

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
 Data File : BF129248.D
 Acq On : 15 Jul 2022 20:26
 Operator : CG\JU
 Sample : N3697-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS

Quant Time: Jul 16 01:43:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 12:55:49 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/18/2022
 Supervised By : Jagrut Upadhyay 07/18/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	246219	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	992008	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	495268	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	775093	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	459039	20.000	ng	# 0.00
86) Perylene-d12	15.562	264	457560	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1820595	118.090	ng	0.02
7) Phenol-d6	6.534	99	2216378	111.154	ng	0.00
23) Nitrobenzene-d5	7.463	82	1645419	88.664	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	601663	130.884	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2628818	89.926	ng	0.00
79) Terphenyl-d14	13.016	244	2044621	83.323	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	342576	48.774	ng	91
3) Pyridine	3.546	79	895668	49.586	ng	91
4) n-Nitrosodimethylamine	3.498	42	475423	55.722	ng	89
6) Aniline	6.563	93	1022700	43.657	ng	100
8) 2-Chlorophenol	6.687	128	905719	55.793	ng	98
9) Benzaldehyde	6.451	77	458661	37.482	ng	99
10) Phenol	6.545	94	992553m	49.555	ng	
11) bis(2-Chloroethyl)ether	6.634	93	1016276	62.561	ng	93
12) 1,3-Dichlorobenzene	6.839	146	961912	55.719	ng	99
13) 1,4-Dichlorobenzene	6.916	146	969161	55.504	ng	99
14) 1,2-Dichlorobenzene	7.069	146	929084	57.085	ng	98
15) Benzyl Alcohol	7.045	79	842950	63.478	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1498516	57.893	ng	95
17) 2-Methylphenol	7.151	107	728073	53.355	ng	99
18) Hexachloroethane	7.410	117	376468	57.703	ng	# 89
19) n-Nitroso-di-n-propyla...	7.316	70	678736	57.872	ng	96
20) 3+4-Methylphenols	7.304	107	897849	53.534	ng	# 90
22) Acetophenone	7.310	105	1252906	54.729	ng	# 96
24) Nitrobenzene	7.486	77	1006875	57.035	ng	93
25) Isophorone	7.722	82	1901620	60.969	ng	100
26) 2-Nitrophenol	7.798	139	484920	54.684	ng	97
27) 2,4-Dimethylphenol	7.833	122	889599	64.515	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	1173803	56.498	ng	100
29) 2,4-Dichlorophenol	8.039	162	729190	53.193	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	750909	52.791	ng	96
31) Naphthalene	8.204	128	2624692	55.844	ng	99
32) Benzoic acid	7.957	122	449027	41.928	ng	# 75
33) 4-Chloroaniline	8.251	127	389165	19.967	ng	98
34) Hexachlorobutadiene	8.316	225	427653	53.441	ng	100
35) Caprolactam	8.686	113	241423m	53.017	ng	
36) 4-Chloro-3-methylphenol	8.733	107	817161	54.645	ng	98
37) 2-Methylnaphthalene	8.898	142	1752912	57.222	ng	99
38) 1-Methylnaphthalene	8.998	142	1643211	55.466	ng	98
40) 1,2,4,5-Tetrachloroben...	9.063	216	684677	55.604	ng	# 97
41) Hexachlorocyclopentadiene	9.045	237	537699	86.775	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	496179	54.722	ng	98

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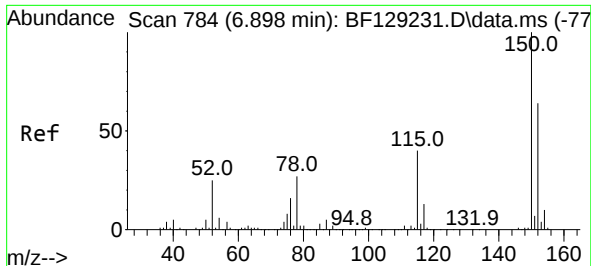
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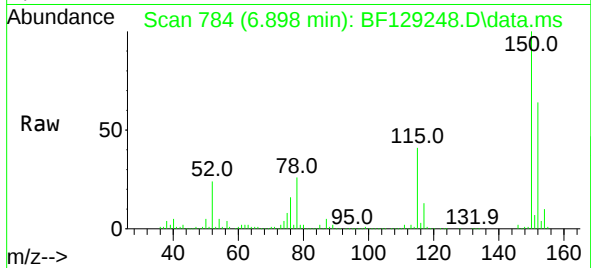
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44) 2,4,5-Trichlorophenol	9.216	196	521114	54.333	ng	# 91
46) 1,1'-Biphenyl	9.363	154	1932149	55.157	ng	99
47) 2-Chloronaphthalene	9.386	162	1548729	56.130	ng	99
48) 2-Nitroaniline	9.486	65	540059	58.259	ng	95
49) Acenaphthylene	9.804	152	2293372	55.223	ng	99
50) Dimethylphthalate	9.669	163	1805844	56.188	ng	100
51) 2,6-Dinitrotoluene	9.727	165	416553	59.896	ng	91
52) Acenaphthene	9.980	154	1512662	55.724	ng	99
53) 3-Nitroaniline	9.898	138	242270	29.173	ng	92
54) 2,4-Dinitrophenol	10.004	184	211654	56.784	ng	93
55) Dibenzofuran	10.151	168	2006216	52.062	ng	95
56) 4-Nitrophenol	10.069	139	555200	84.465	ng	97
57) 2,4-Dinitrotoluene	10.133	165	528280	57.927	ng	98
58) Fluorene	10.492	166	1600275	54.600	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	379559	51.229	ng	# 89
60) Diethylphthalate	10.363	149	1726364	55.545	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	716005	52.736	ng	# 86
62) 4-Nitroaniline	10.516	138	379350	46.139	ng	93
63) Azobenzene	10.645	77	1769988	53.350	ng	96
65) 4,6-Dinitro-2-methylph...	10.539	198	199315	40.700	ng	# 79
66) n-Nitrosodiphenylamine	10.604	169	1431319	57.879	ng	97
67) 4-Bromophenyl-phenylether	10.974	248	464740	56.959	ng	91
68) Hexachlorobenzene	11.039	284	482969	56.392	ng	93
69) Atrazine	11.145	200	415293	60.575	ng	95
70) Pentachlorophenol	11.245	266	509317	100.006	ng	99
71) Phenanthrene	11.457	178	2177269	55.328	ng	99
72) Anthracene	11.510	178	2135645	54.633	ng	99
73) Carbazole	11.669	167	1945510	49.895	ng	99
74) Di-n-butylphthalate	11.986	149	2497747	55.741	ng	97
75) Fluoranthene	12.651	202	1935105	49.375	ng	99
78) Pyrene	12.880	202	1893300	50.922	ng	99
80) Butylbenzylphthalate	13.486	149	887687	53.603	ng	98
81) Benzo(a)anthracene	14.068	228	1485445	51.302	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	207840	28.695	ng	# 96
83) Chrysene	14.104	228	1380285	49.942	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	1308791	59.394	ng	98
85) Di-n-octyl phthalate	14.657	149	1870214	59.173	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1799275	63.062	ng	97
88) Benzo(b)fluoranthene	15.127	252	1661798m	59.119	ng	
89) Benzo(k)fluoranthene	15.162	252	1364581	49.688	ng	99
90) Benzo(a)pyrene	15.504	252	1387799	60.646	ng	# 96
91) Dibenzo(a,h)anthracene	17.103	278	1533621	66.452	ng	# 96
92) Benzo(g,h,i)perylene	17.551	276	1582521	67.082	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

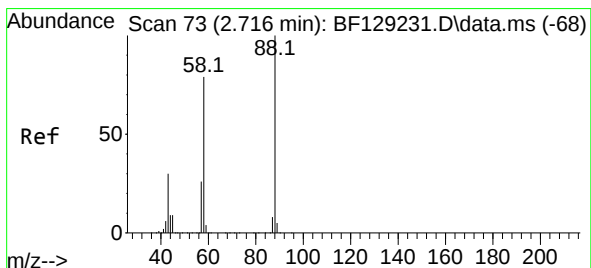
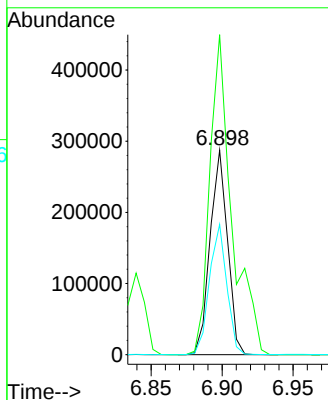
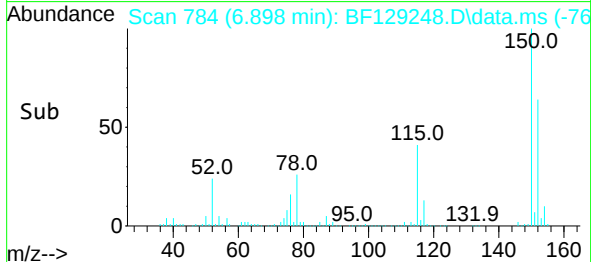
Instrument :
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 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS



Tgt Ion:152 Resp: 246219
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.7 185.5
 115 63.7 49.9 74.9

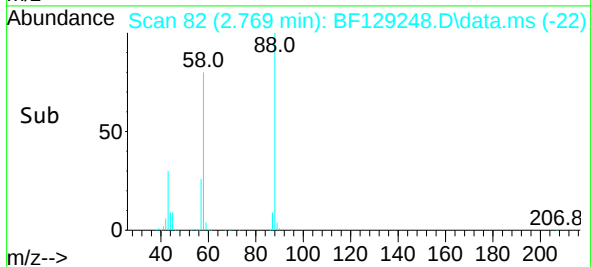
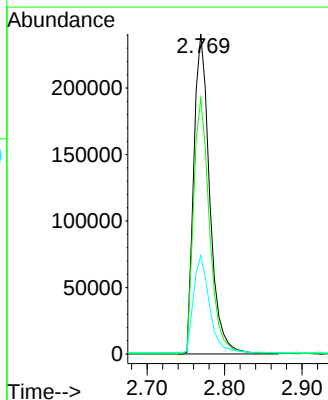
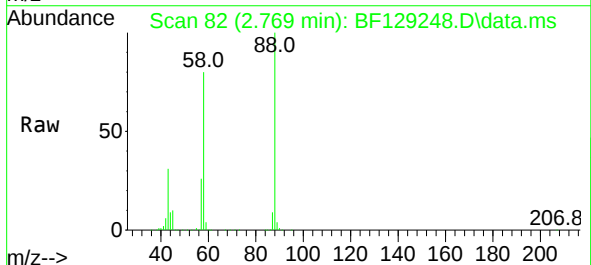
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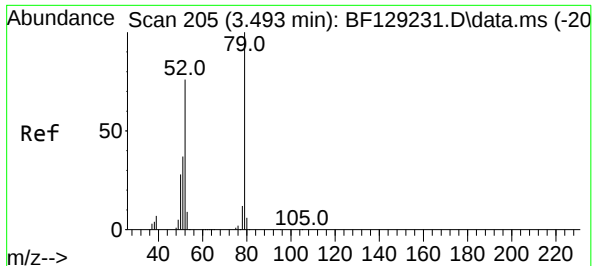
Reviewed By :Christian Giraldo 07/18/2022
 Supervised By :Jagrut Upadhyay 07/18/2022



#2
 1,4-Dioxane
 Concen: 48.774 ng
 RT: 2.769 min Scan# 82
 Delta R.T. 0.053 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

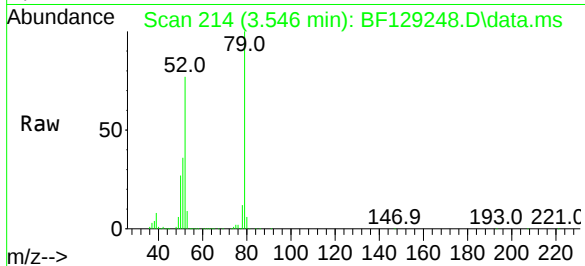
Tgt Ion: 88 Resp: 342576
 Ion Ratio Lower Upper
 88 100
 58 79.9 71.8 107.8
 43 30.2 26.6 39.8





#3
Pyridine
Concen: 49.586 ng
RT: 3.546 min Scan# 214
Delta R.T. 0.053 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

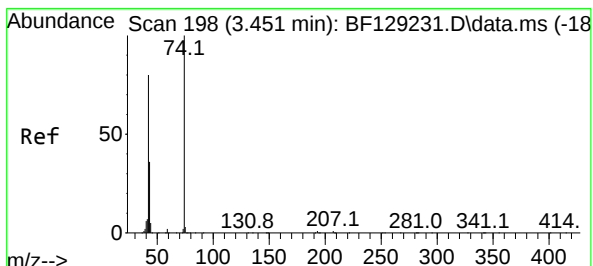
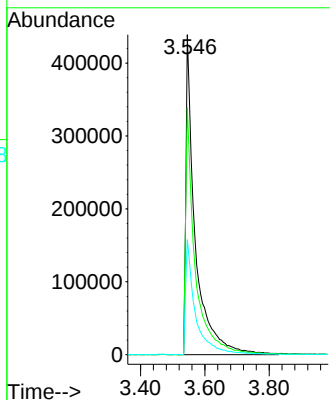
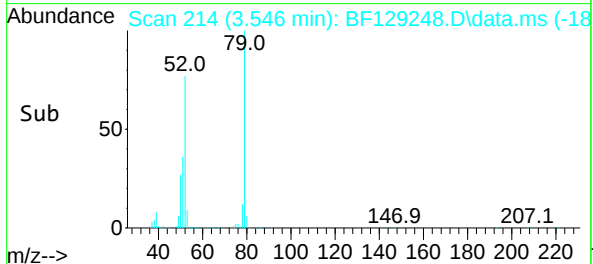
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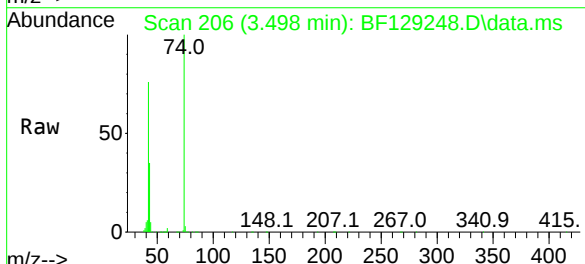
Tgt Ion: 79 Resp: 89566
Ion Ratio Lower Upper
79 100
52 77.2 68.6 102.8
51 36.0 32.9 49.3

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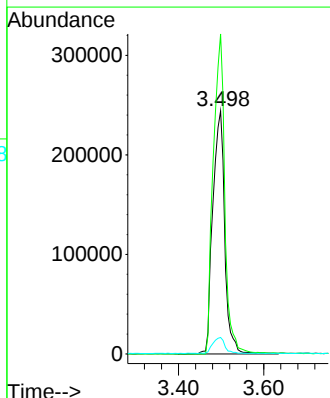
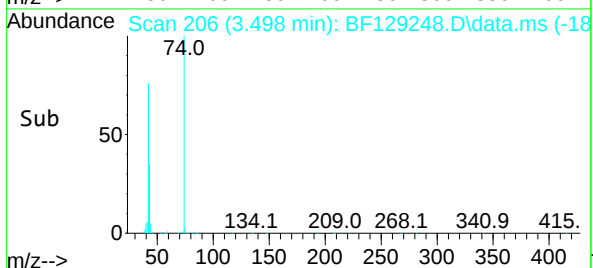
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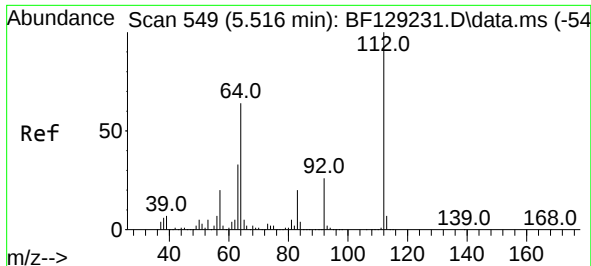


#4
n-Nitrosodimethylamine
Concen: 55.722 ng
RT: 3.498 min Scan# 206
Delta R.T. 0.047 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



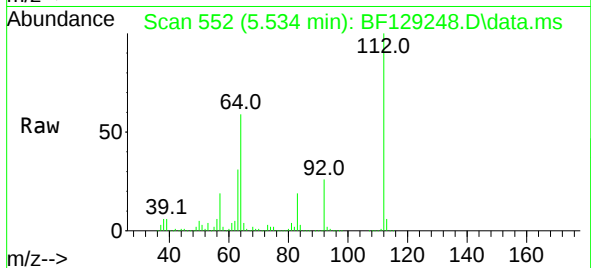
Tgt Ion: 42 Resp: 475423
Ion Ratio Lower Upper
42 100
74 131.6 94.8 142.2
44 6.8 6.6 10.0





#5
2-Fluorophenol
Concen: 118.090 ng
RT: 5.534 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

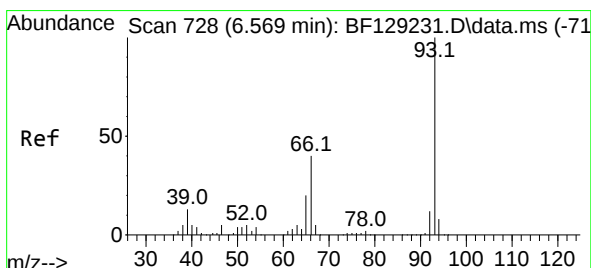
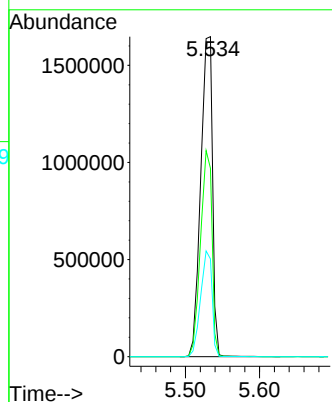
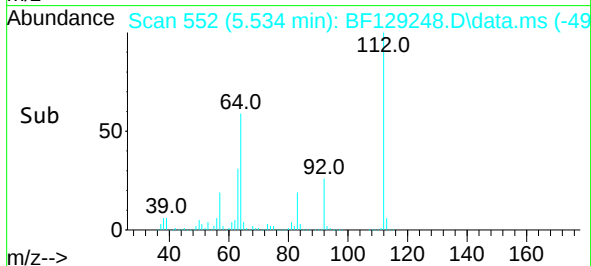
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PIPELINE-PIGGING-TK2045LMS



Tgt Ion:112 Resp: 182059
Ion Ratio Lower Upper
112 100
64 58.9 53.3 79.9
63 30.6 28.0 42.0

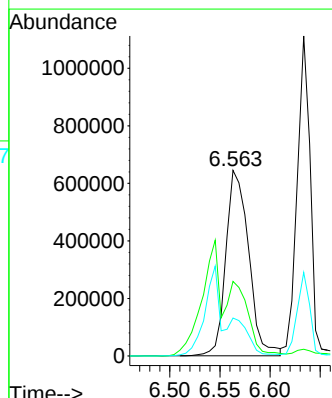
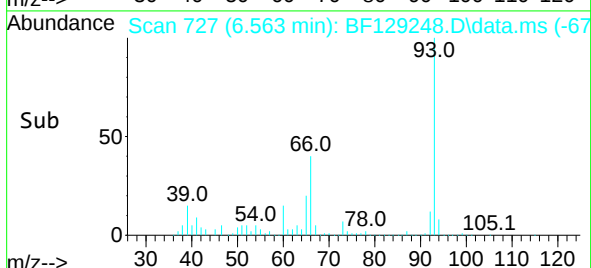
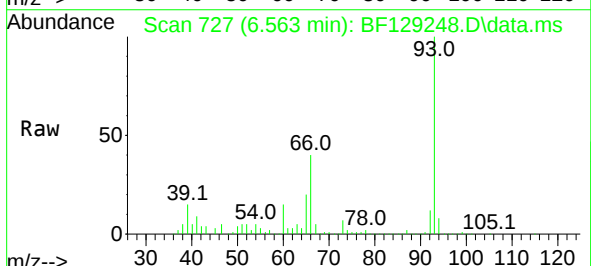
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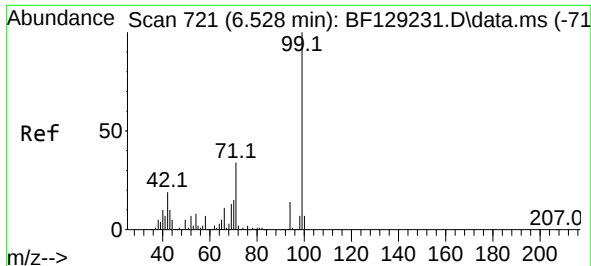
Reviewed By :Christian Giraldo 07/18/2022
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#6
Aniline
Concen: 43.657 ng
RT: 6.563 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

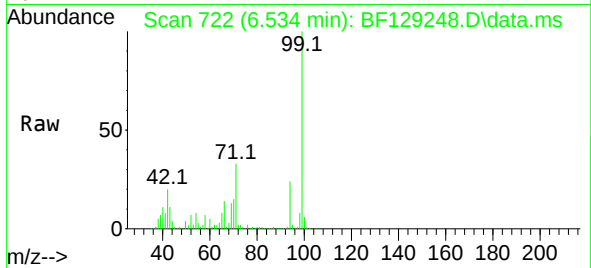
Tgt Ion: 93 Resp: 1022700
Ion Ratio Lower Upper
93 100
66 40.2 32.5 48.7
65 20.4 16.4 24.6





#7
Phenol-d6
Concen: 111.154 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

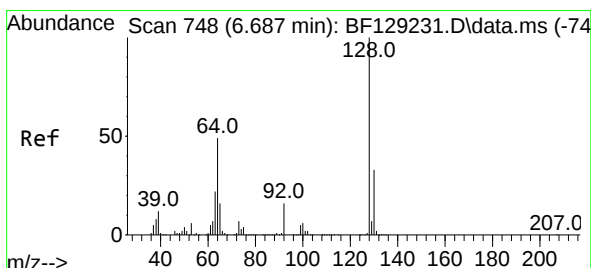
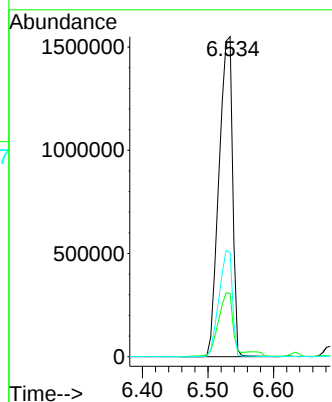
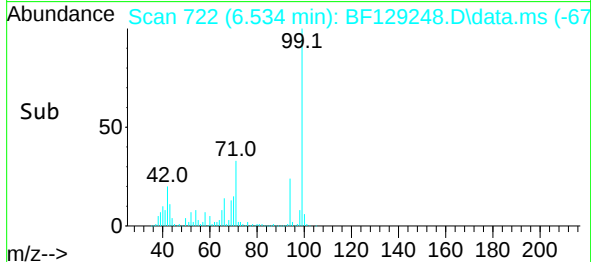
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BNA_F
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Tgt Ion: 99 Resp: 2216378
Ion Ratio Lower Upper
99 100
42 19.7 17.3 25.9
71 32.6 28.9 43.3

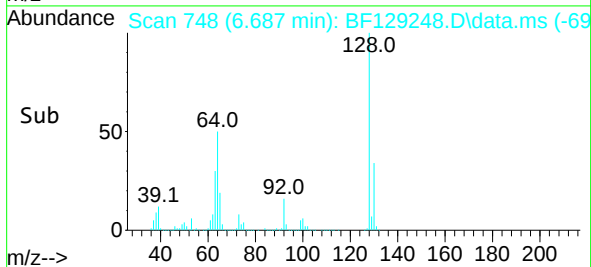
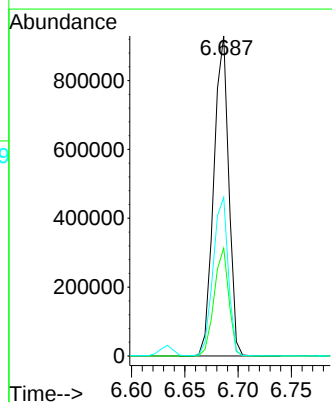
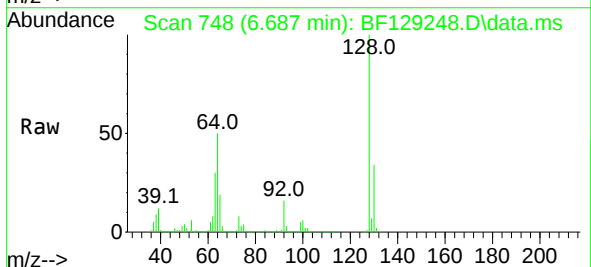
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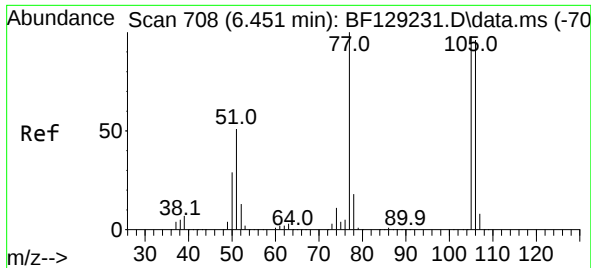
Reviewed By :Christian Giraldo 07/18/2022
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#8
2-Chlorophenol
Concen: 55.793 ng
RT: 6.687 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

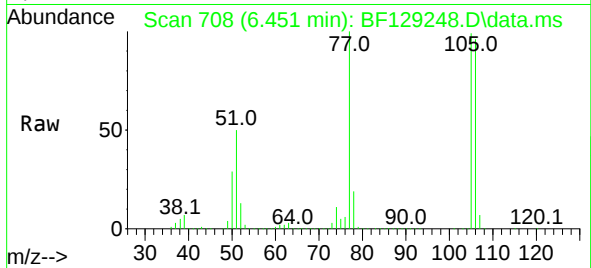
Tgt Ion:128 Resp: 905719
Ion Ratio Lower Upper
128 100
130 33.7 13.1 53.1
64 49.5 30.9 70.9





#9
Benzaldehyde
Concen: 37.482 ng
RT: 6.451 min Scan# 708
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

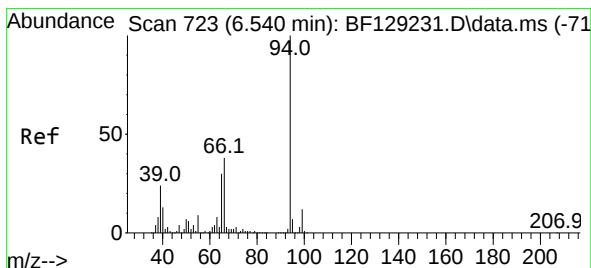
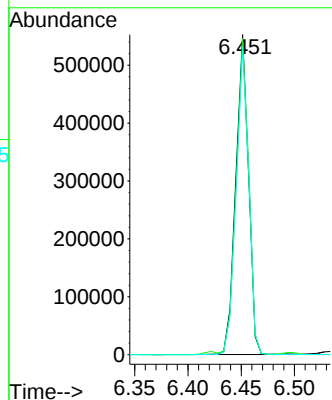
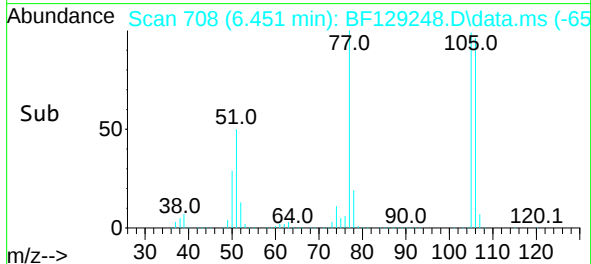
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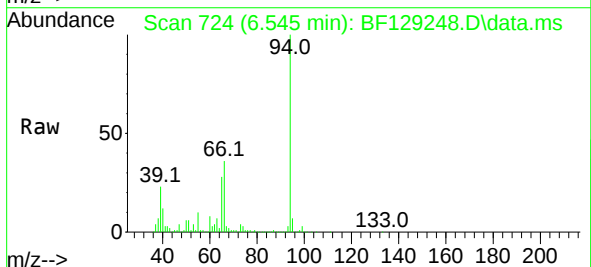
Tgt Ion: 77 Resp: 45866
Ion Ratio Lower Upper
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105 99.0 81.6 121.6
106 96.3 76.1 116.1

Manual Integrations
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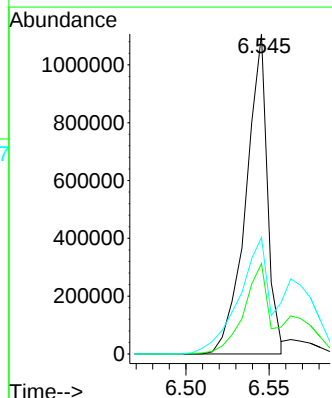
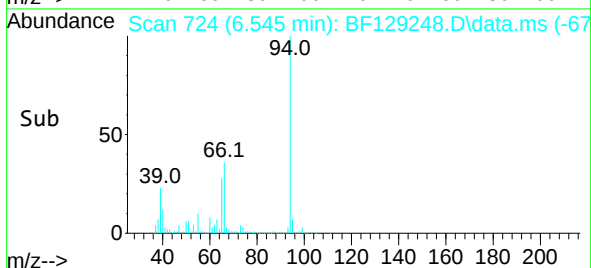
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

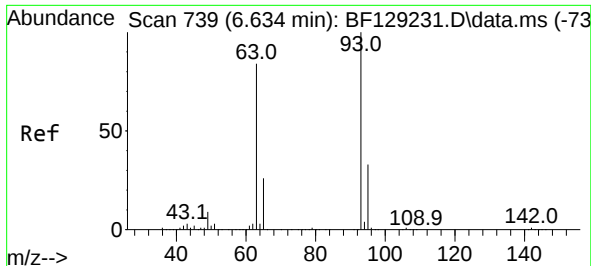


#10
Phenol
Concen: 49.555 ng m
RT: 6.545 min Scan# 724
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



Tgt Ion: 94 Resp: 992553
Ion Ratio Lower Upper
94 100
65 28.2 11.4 51.4
66 36.4 21.4 61.4





#11

bis(2-Chloroethyl)ether

Concen: 62.561 ng

RT: 6.634 min Scan# 739

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion: 93 Resp: 1016270

Ion Ratio Lower Upper

93 100

63 79.7 67.4 107.4

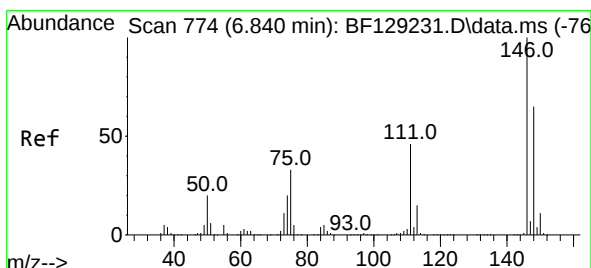
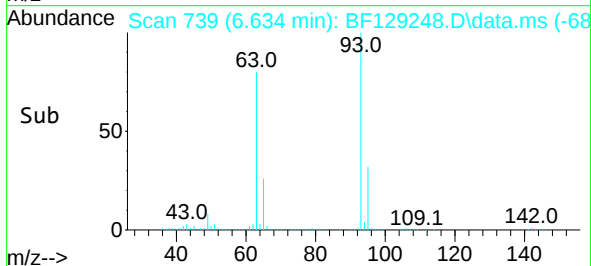
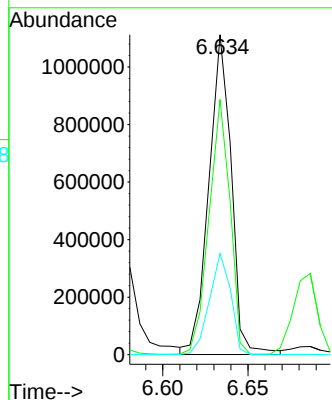
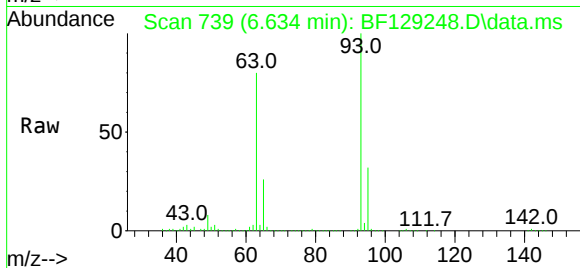
95 31.6 12.7 52.7

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#12

1,3-Dichlorobenzene

Concen: 55.719 ng

RT: 6.839 min Scan# 774

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

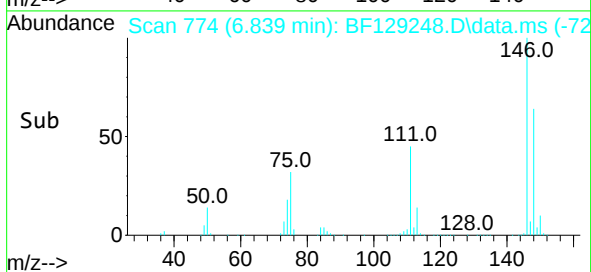
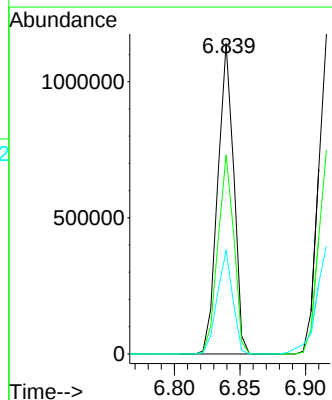
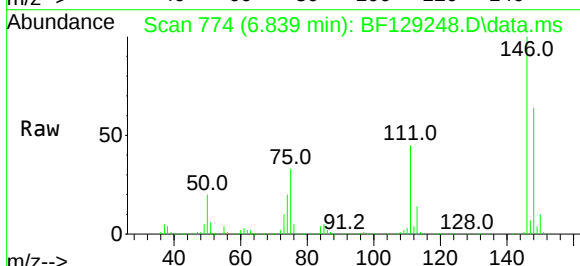
Tgt Ion:146 Resp: 961912

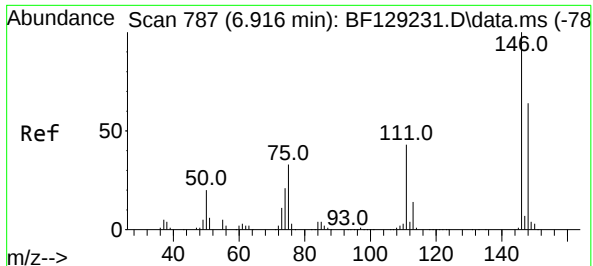
Ion Ratio Lower Upper

146 100

148 64.1 50.6 75.8

75 33.3 26.3 39.5





#13

1,4-Dichlorobenzene

Concen: 55.504 ng

RT: 6.916 min Scan# 787

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion:146 Resp: 96916

Ion Ratio Lower Upper

146 100

148 63.7 51.1 76.7

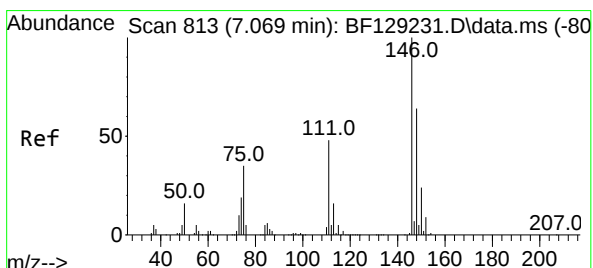
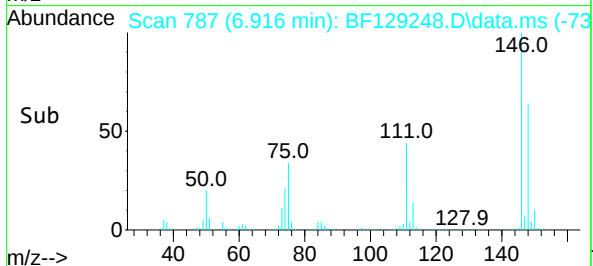
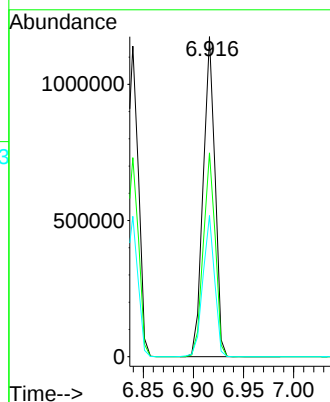
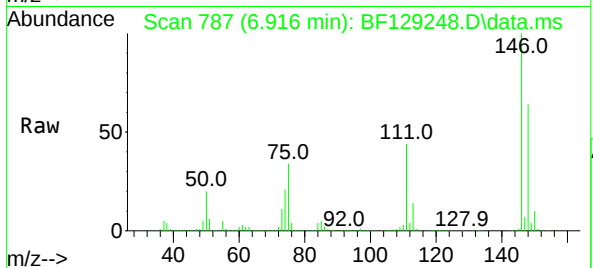
111 44.1 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#14

1,2-Dichlorobenzene

Concen: 57.085 ng

RT: 7.069 min Scan# 813

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

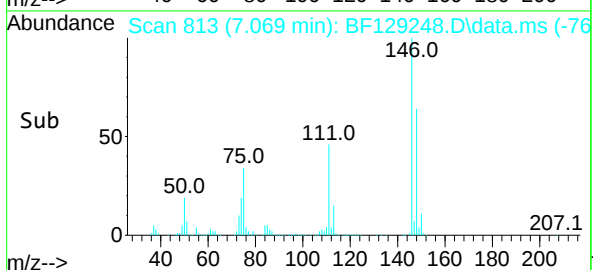
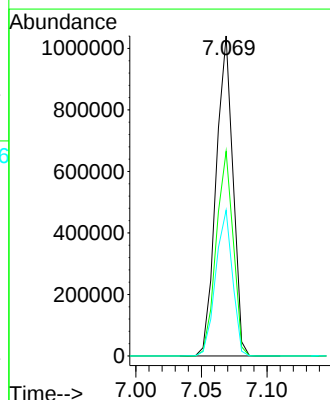
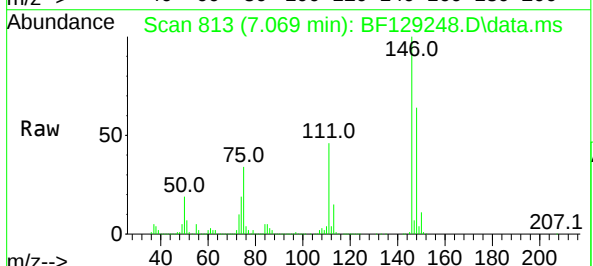
Tgt Ion:146 Resp: 929084

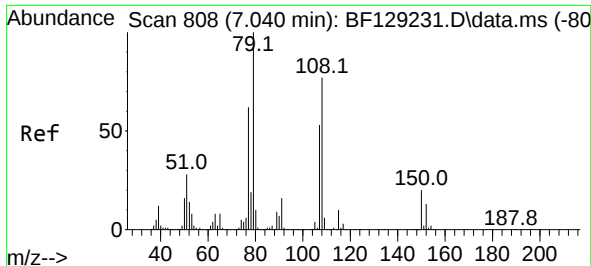
Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.8

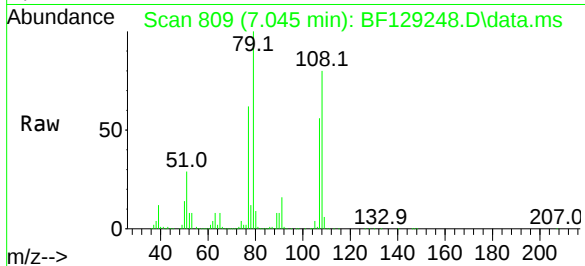
111 45.5 35.1 52.7





#15
Benzyl Alcohol
Concen: 63.478 ng
RT: 7.045 min Scan# 808
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

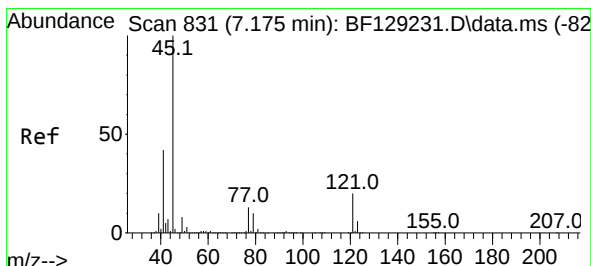
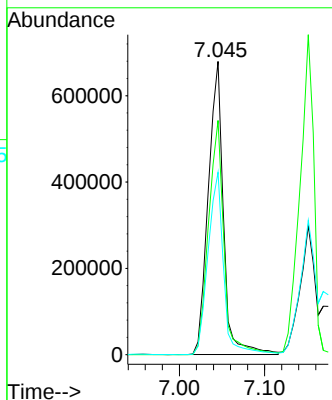
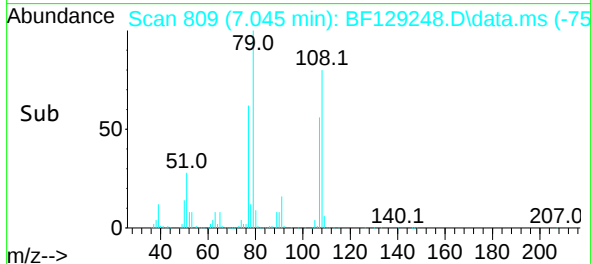
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion: 79 Resp: 842950
Ion Ratio Lower Upper
79 100
108 79.9 61.8 92.6
77 62.2 50.2 75.4

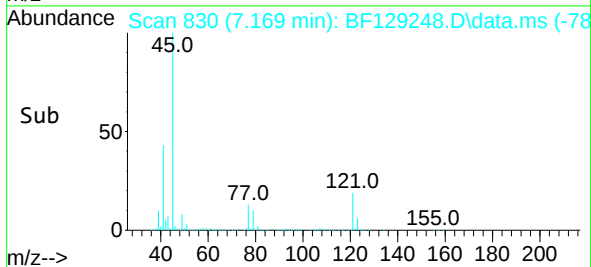
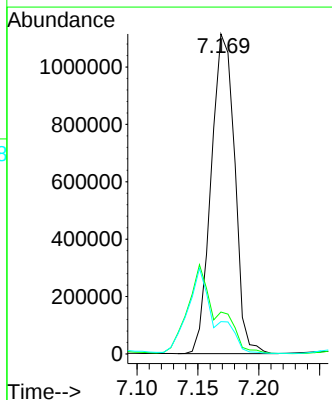
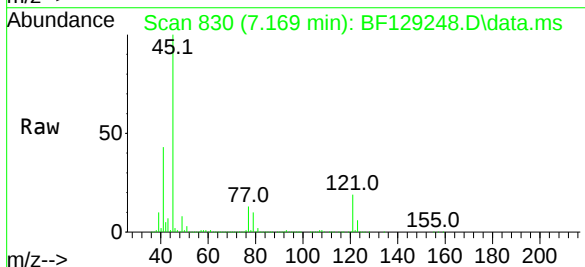
Manual Integrations
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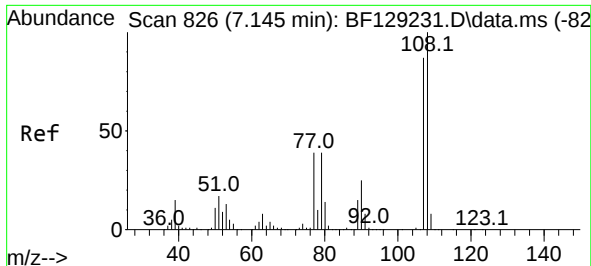
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.893 ng
RT: 7.169 min Scan# 830
Delta R.T. -0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

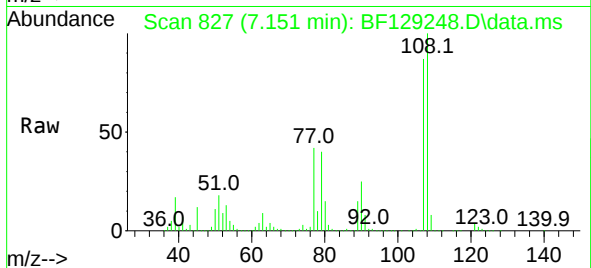
Tgt Ion: 45 Resp: 1498516
Ion Ratio Lower Upper
45 100
77 13.1 0.0 31.3
79 10.1 0.0 28.3





#17
2-Methylphenol
Concen: 53.355 ng
RT: 7.151 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

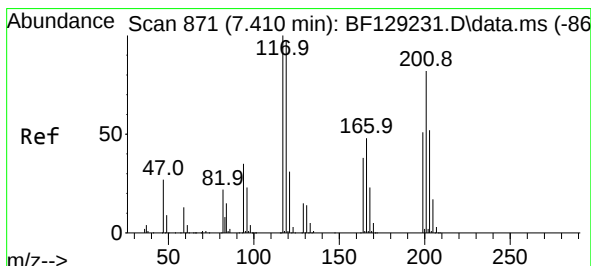
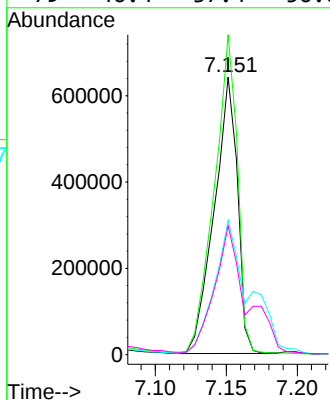
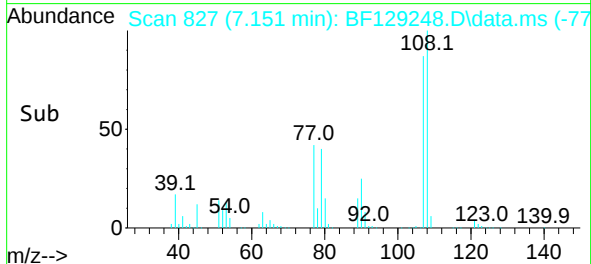


Tgt Ion:107 Resp: 72807

Ion	Ratio	Lower	Upper
107	100		
108	115.3	91.9	137.9
77	48.4	37.8	56.8
79	46.4	37.4	56.0

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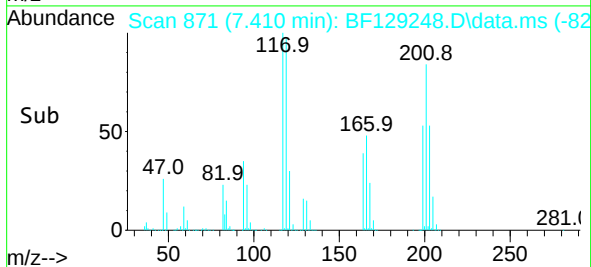
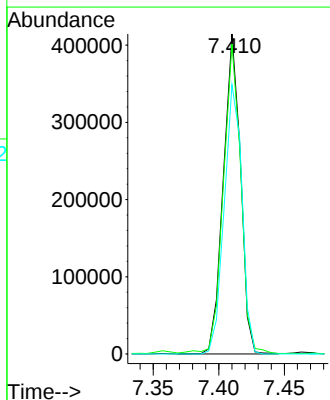
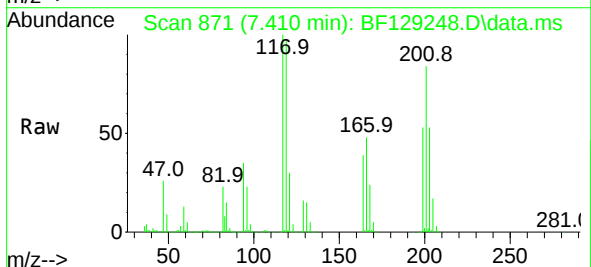
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

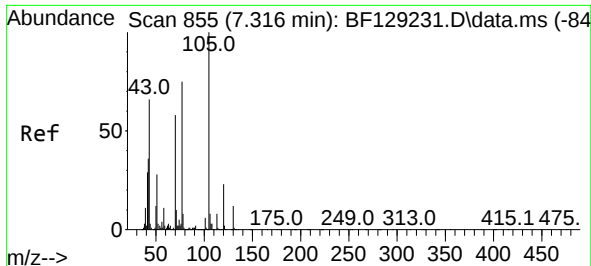


#18
Hexachloroethane
Concen: 57.703 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:117 Resp: 376468

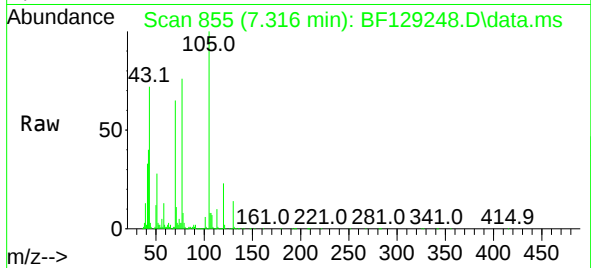
Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.2
201	84.2	84.6	127.0#





#19
n-Nitroso-di-n-propylamine
Concen: 57.872 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

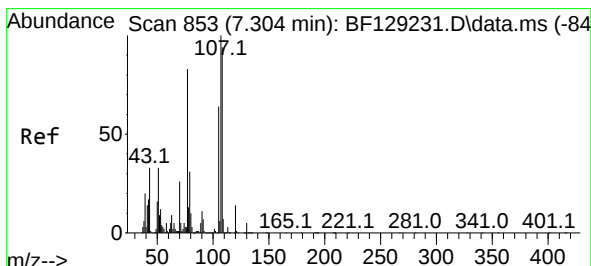
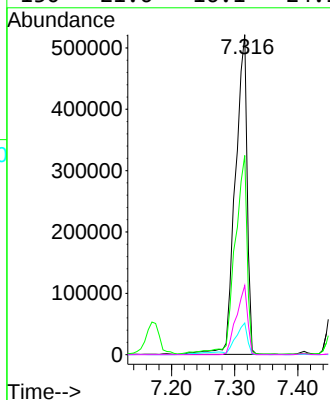
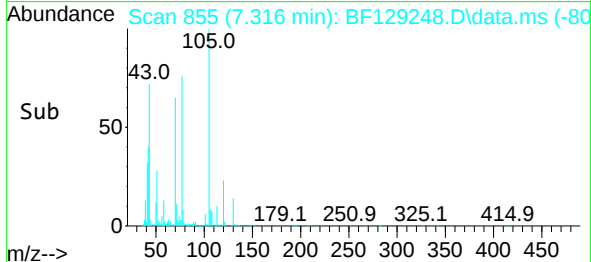
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



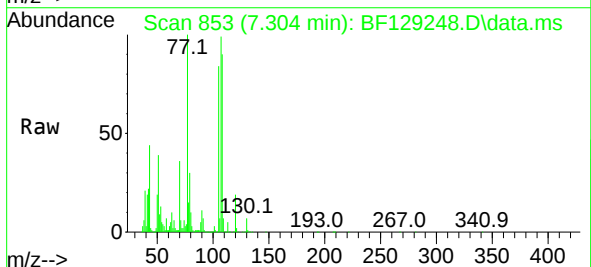
Tgt Ion: 70 Resp: 678730
Ion Ratio Lower Upper
70 100
42 62.2 52.3 78.5
101 9.9 7.5 11.3
130 21.6 16.1 24.1

Manual Integrations
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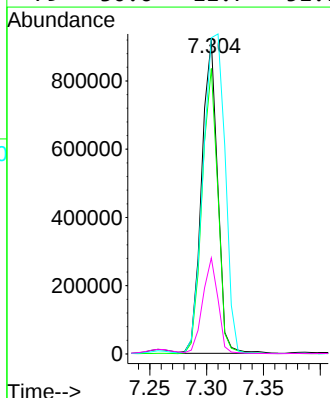
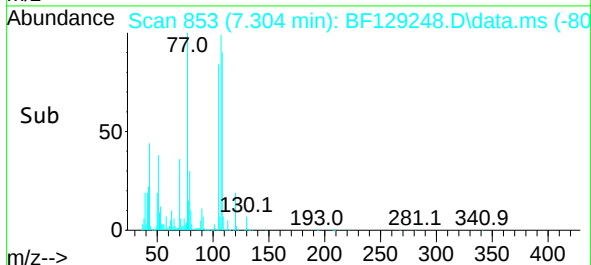
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

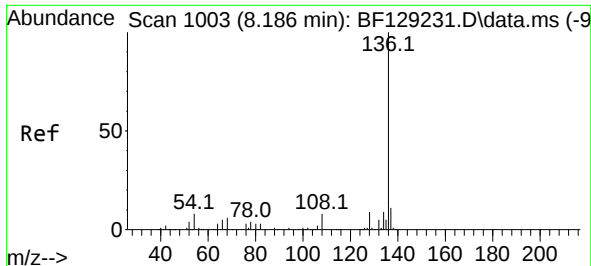


#20
3+4-Methylphenols
Concen: 53.534 ng
RT: 7.304 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



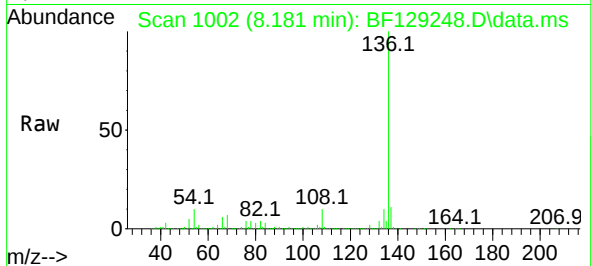
Tgt Ion:107 Resp: 897849
Ion Ratio Lower Upper
107 100
108 90.9 71.8 111.8
77 100.7 59.3 99.3#
79 30.6 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

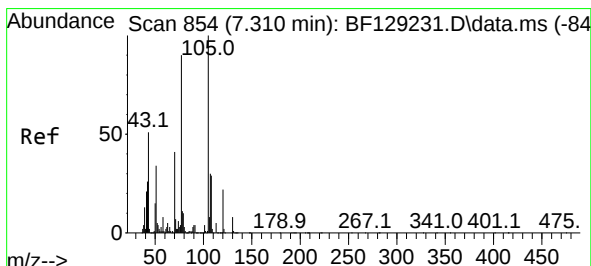
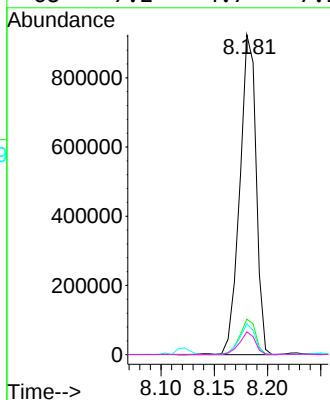
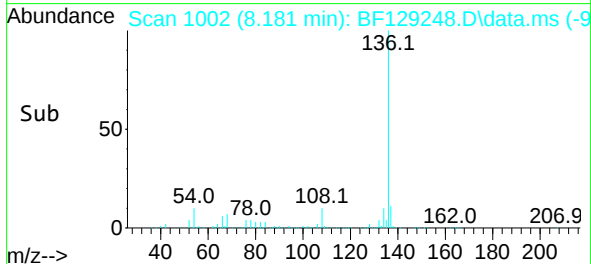
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:136 Resp: 992000
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.7 7.5 11.3
68 7.2 4.7 7.1#

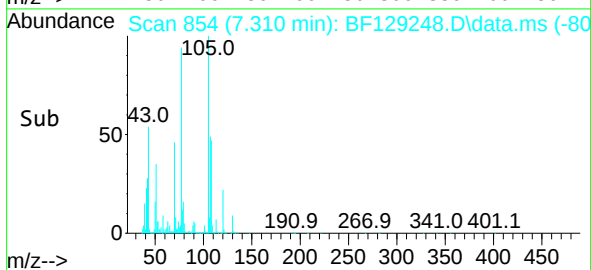
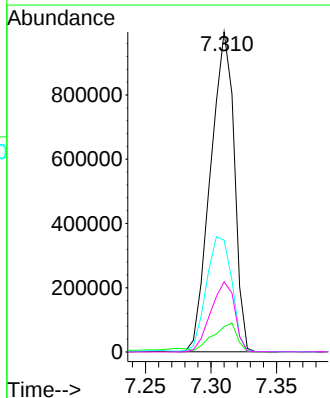
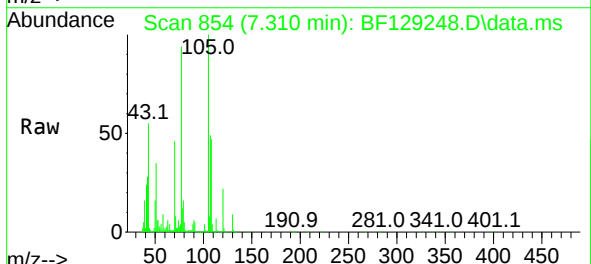
Manual Integrations
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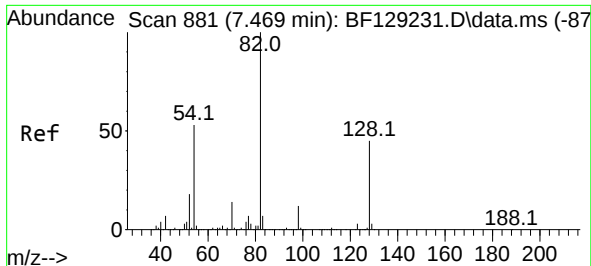
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#22
Acetophenone
Concen: 54.729 ng
RT: 7.310 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:105 Resp: 1252906
Ion Ratio Lower Upper
105 100
71 7.9 5.0 7.4#
51 35.0 25.0 37.4
120 21.9 17.8 26.8





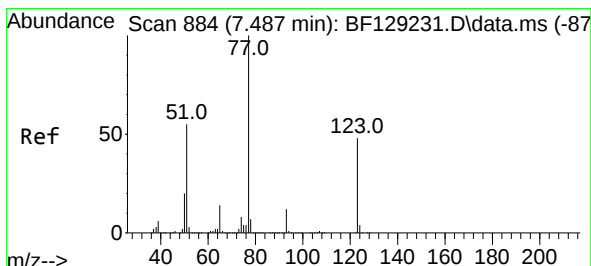
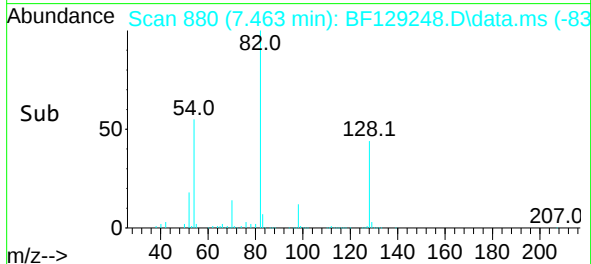
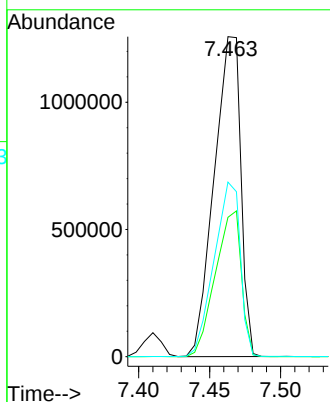
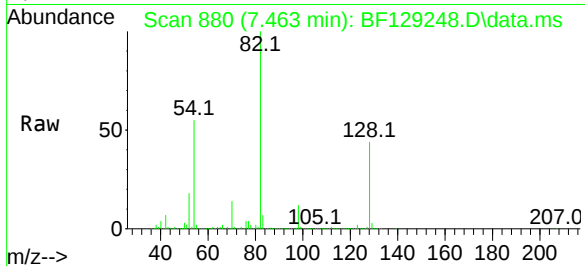
#23
Nitrobenzene-d5
Concen: 88.664 ng
RT: 7.463 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

Tgt Ion: 82 Resp: 1645419
Ion Ratio Lower Upper
82 100
128 43.5 34.0 51.0
54 54.5 46.9 70.3

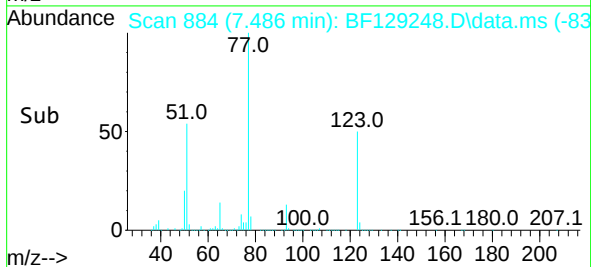
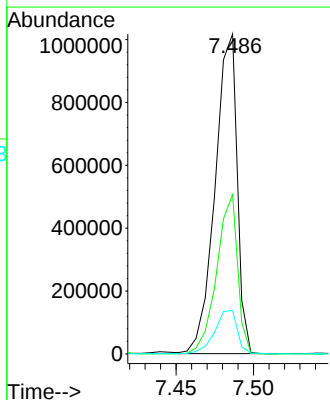
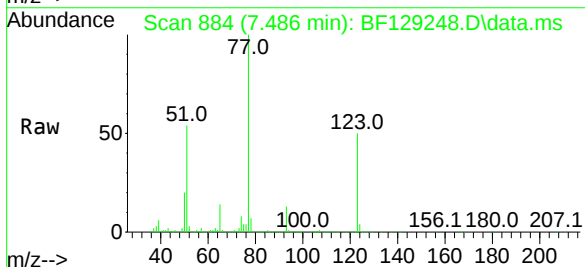
Manual Integrations
APPROVED

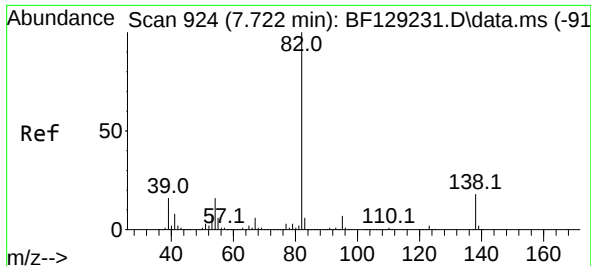
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#24
Nitrobenzene
Concen: 57.035 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

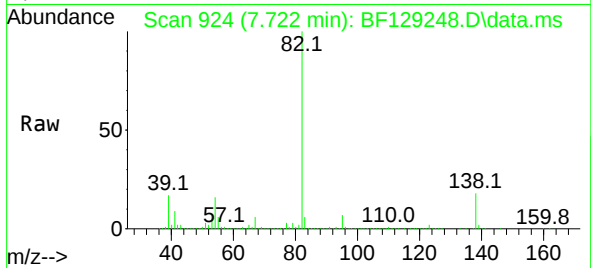
Tgt Ion: 77 Resp: 1006875
Ion Ratio Lower Upper
77 100
123 49.8 35.4 53.2
65 13.6 11.8 17.8





#25
Isophorone
Concen: 60.969 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

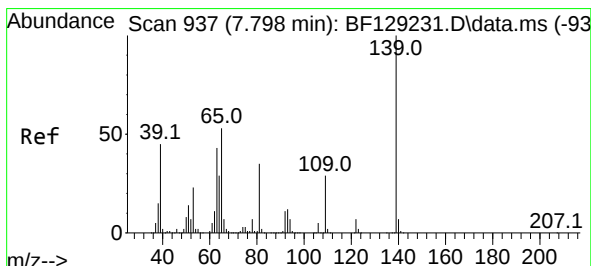
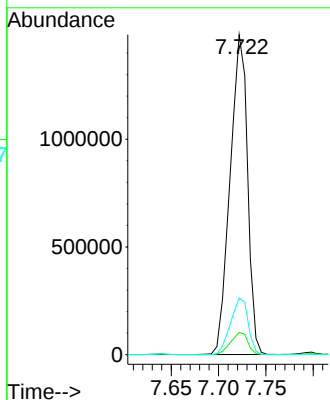
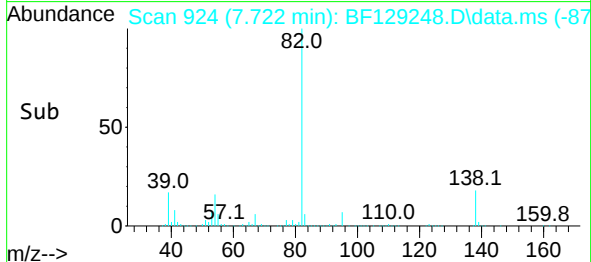
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



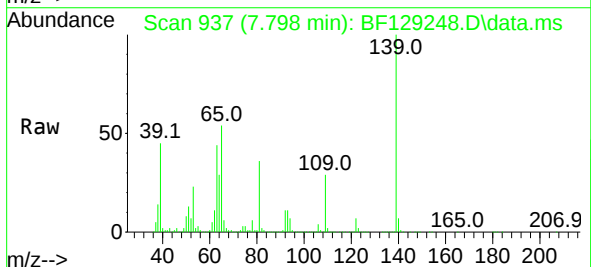
Tgt Ion: 82 Resp: 1901620
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 17.8 14.2 21.2

Manual Integrations
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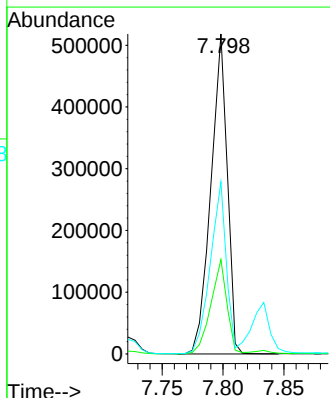
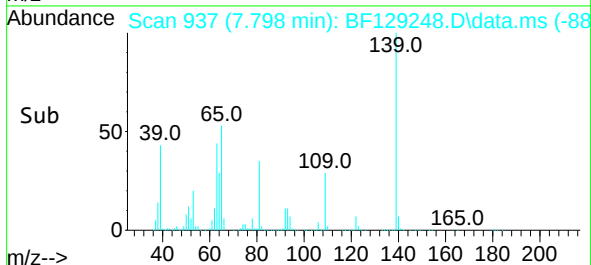
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

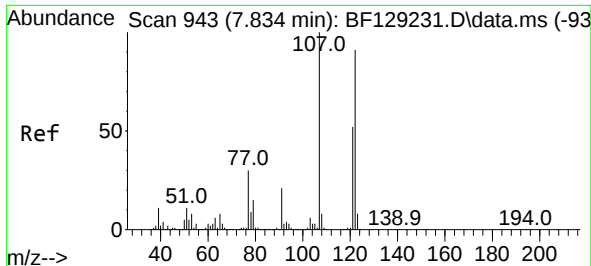


#26
2-Nitrophenol
Concen: 54.684 ng
RT: 7.798 min Scan# 937
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



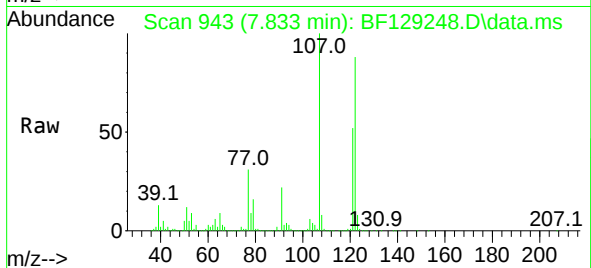
Tgt Ion:139 Resp: 484920
Ion Ratio Lower Upper
139 100
109 29.5 25.0 37.4
65 53.8 45.1 67.7





#27
2,4-Dimethylphenol
Concen: 64.515 ng
RT: 7.833 min Scan# 943
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

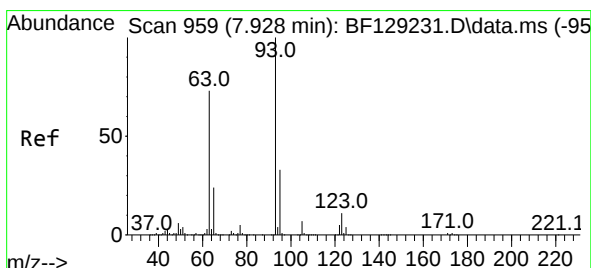
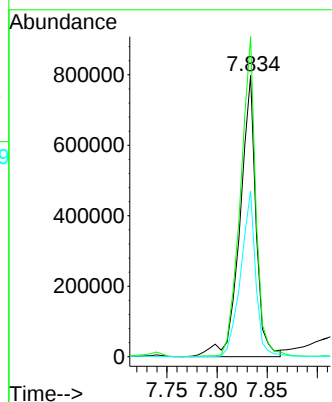
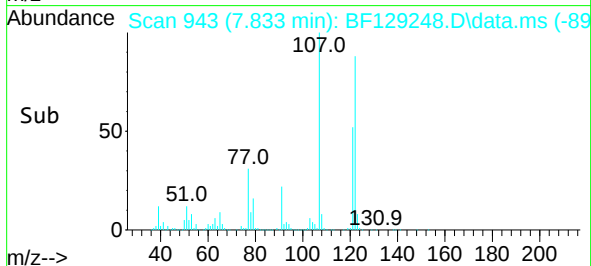
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:122 Resp: 889599
Ion Ratio Lower Upper
122 100
107 113.8 93.0 139.6
121 59.0 46.6 70.0

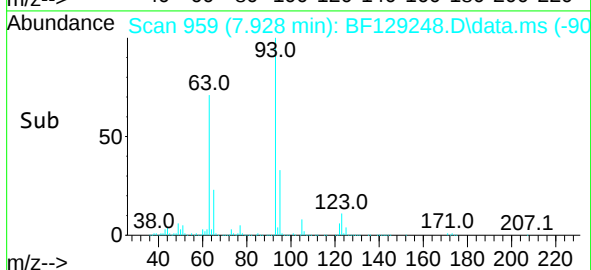
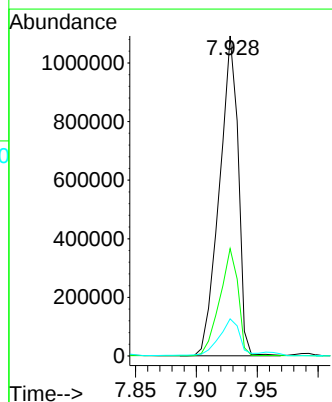
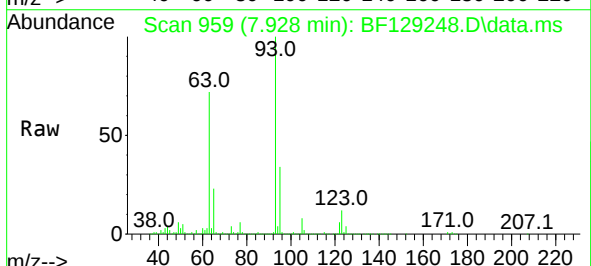
Manual Integrations
APPROVED

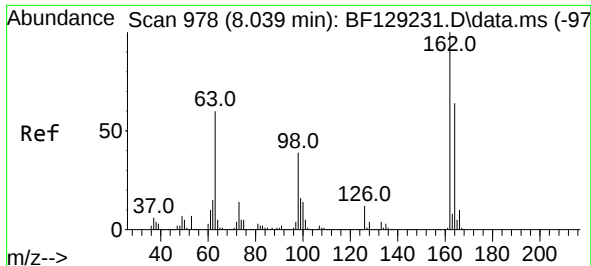
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#28
bis(2-Chloroethoxy)methane
Concen: 56.498 ng
RT: 7.928 min Scan# 959
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

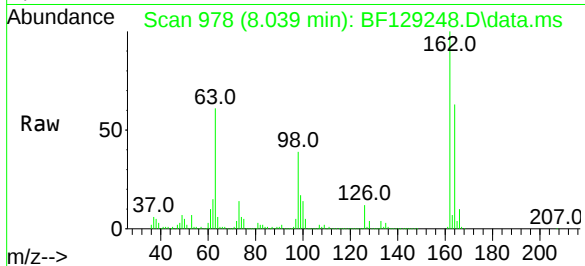
Tgt Ion: 93 Resp: 1173803
Ion Ratio Lower Upper
93 100
95 33.5 26.8 40.2
123 11.6 9.2 13.8





#29
2,4-Dichlorophenol
Concen: 53.193 ng
RT: 8.039 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

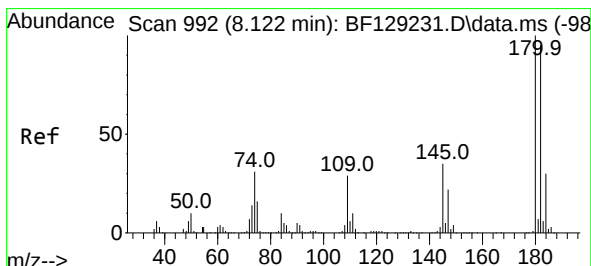
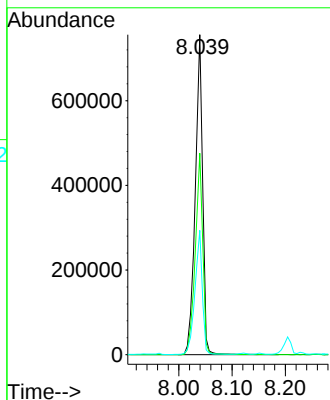
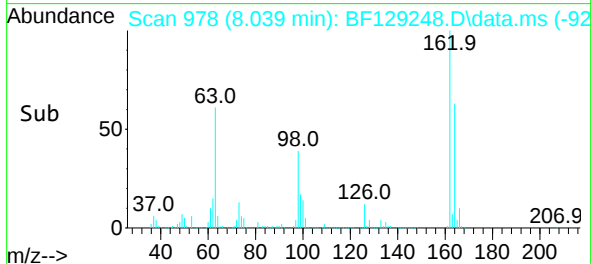
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



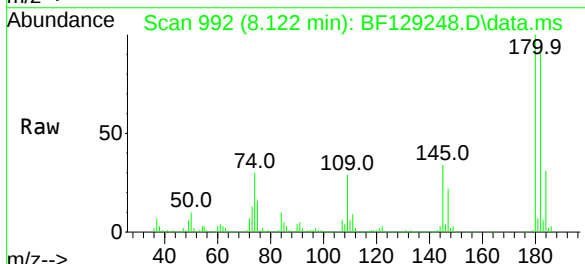
Tgt Ion:162 Resp: 729190
Ion Ratio Lower Upper
162 100
164 63.0 44.2 84.2
98 38.8 19.6 59.6

Manual Integrations
APPROVED

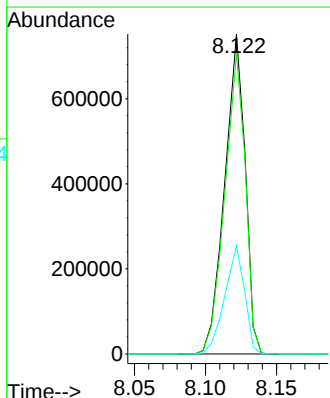
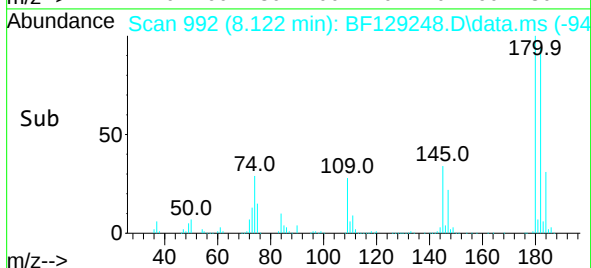
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

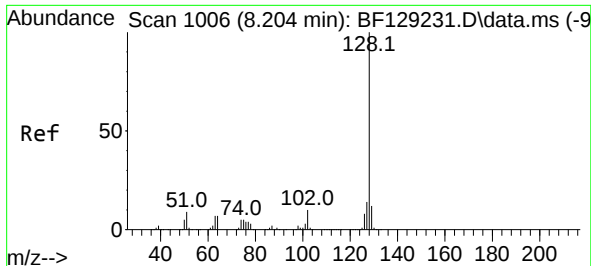


#30
1,2,4-Trichlorobenzene
Concen: 52.791 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



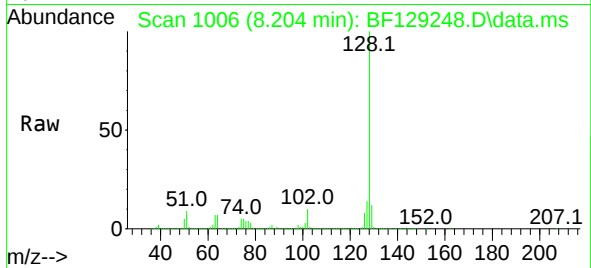
Tgt Ion:180 Resp: 750909
Ion Ratio Lower Upper
180 100
182 93.8 79.2 118.8
145 33.8 26.2 39.2





#31
Naphthalene
Concen: 55.844 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

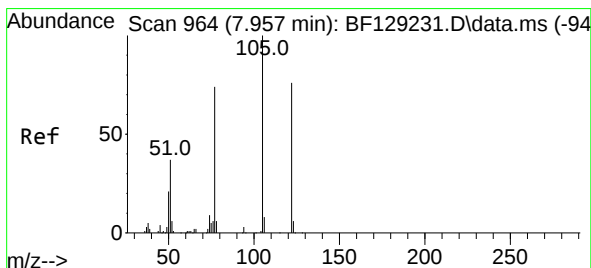
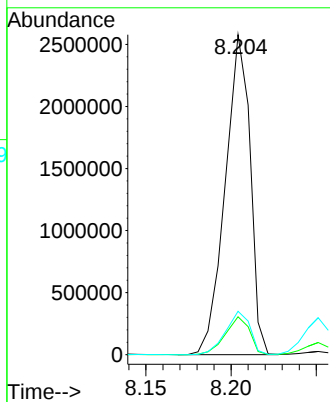
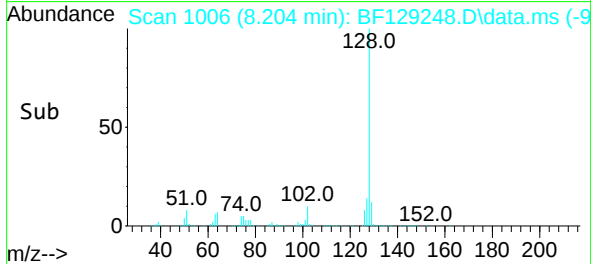
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:128 Resp: 2624692
Ion Ratio Lower Upper
128 100
129 11.8 9.2 13.8
127 13.6 10.5 15.7

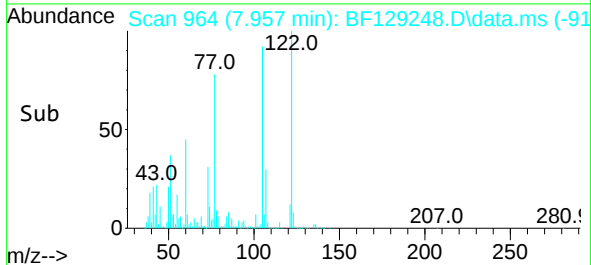
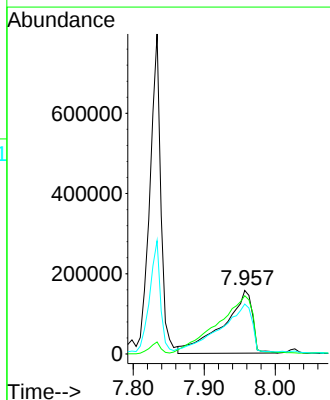
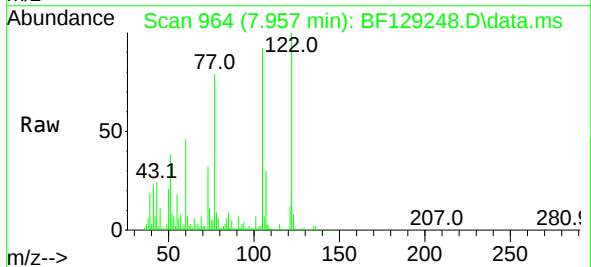
Manual Integrations
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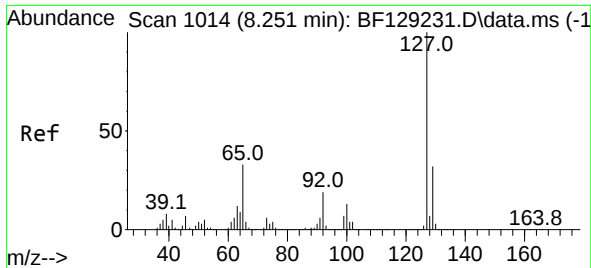
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#32
Benzoic acid
Concen: 41.928 ng
RT: 7.957 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:122 Resp: 449027
Ion Ratio Lower Upper
122 100
105 91.6 107.1 147.1#
77 78.7 74.2 114.2





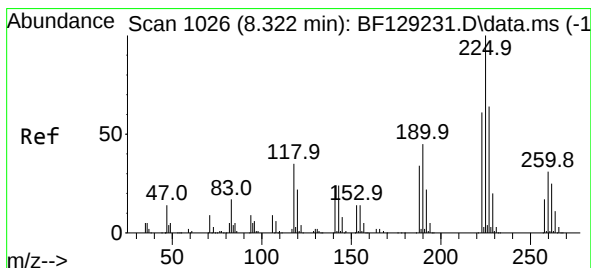
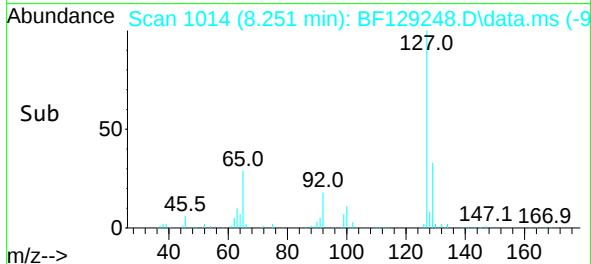
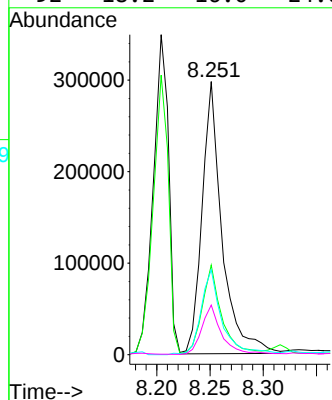
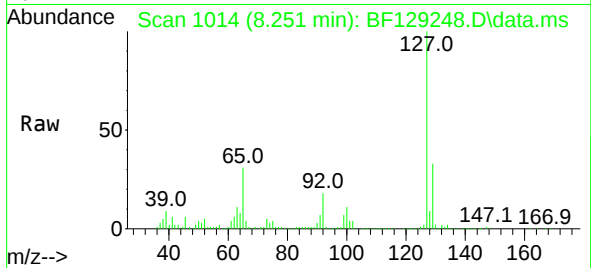
#33
4-Chloroaniline
Concen: 19.967 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

Tgt Ion:	127	Resp:	38916
Ion Ratio	Lower	Upper	
127	100		
129	32.8	26.4	39.6
65	31.1	26.4	39.6
92	18.2	16.0	24.0

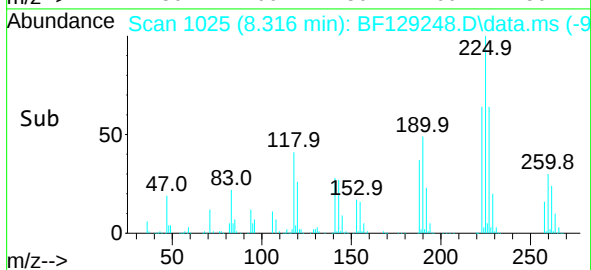
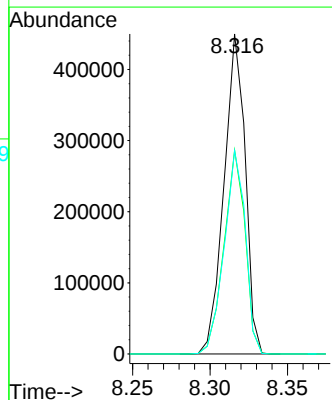
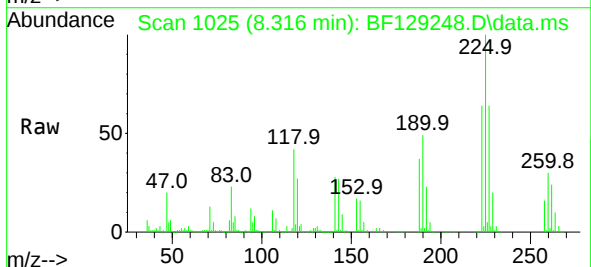
Manual Integrations
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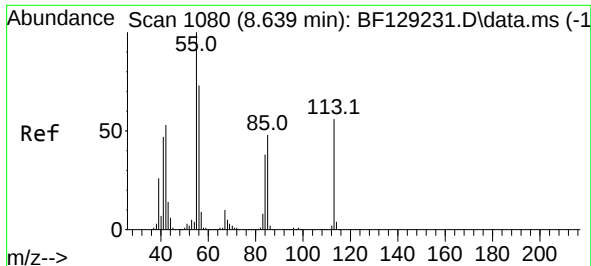
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#34
Hexachlorobutadiene
Concen: 53.441 ng
RT: 8.316 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

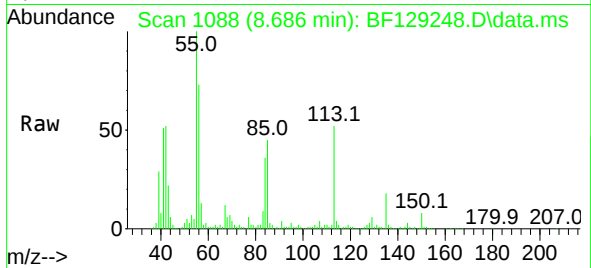
Tgt Ion:	225	Resp:	427653
Ion Ratio	Lower	Upper	
225	100		
223	63.7	51.0	76.6
227	63.5	51.1	76.7





#35
Caprolactam
Concen: 53.017 ng m
RT: 8.686 min Scan# 1088
Delta R.T. 0.047 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

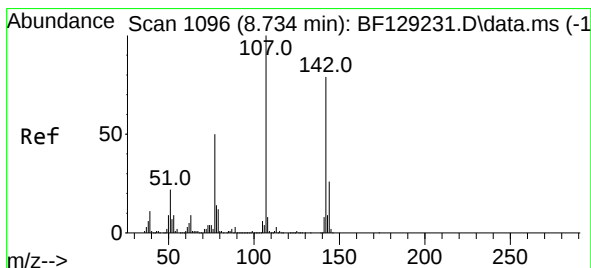
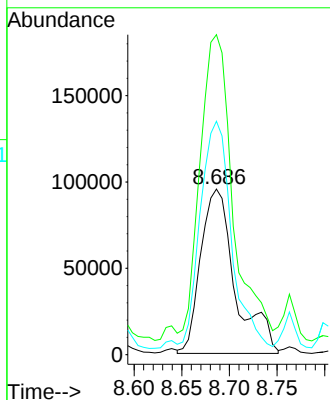
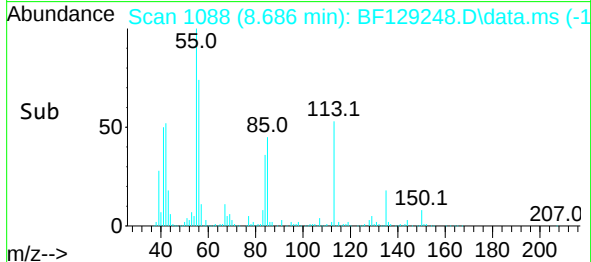
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:113 Resp: 24142
Ion Ratio Lower Upper
113 100
55 193.2 188.5 228.5
56 141.0 130.6 170.6

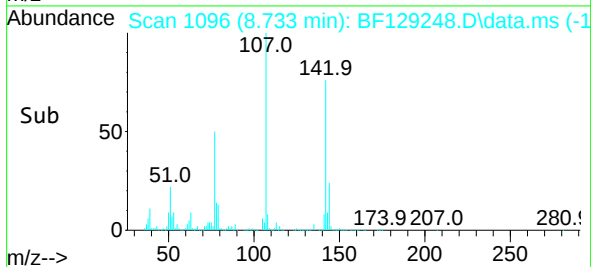
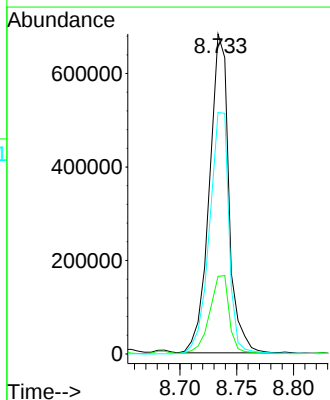
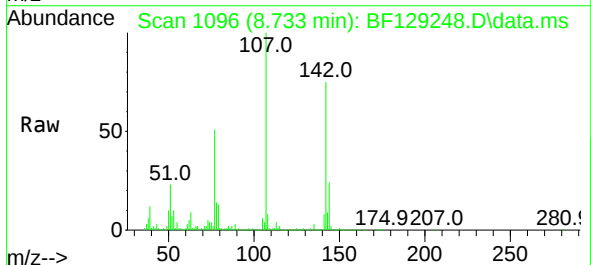
Manual Integrations
APPROVED

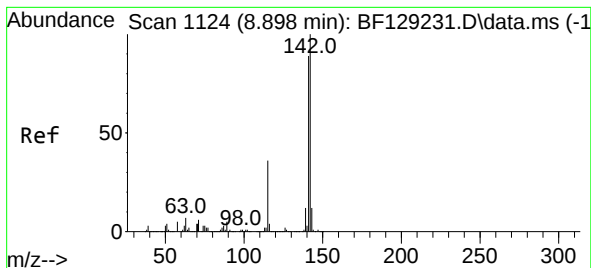
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#36
4-Chloro-3-methylphenol
Concen: 54.645 ng
RT: 8.733 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:107 Resp: 817161
Ion Ratio Lower Upper
107 100
144 24.2 19.5 29.3
142 75.5 58.2 87.4





#37

2-Methylnaphthalene

Concen: 57.222 ng

RT: 8.898 min Scan# 1124

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNF

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion:142 Resp: 175291

Ion Ratio Lower Upper

142 100

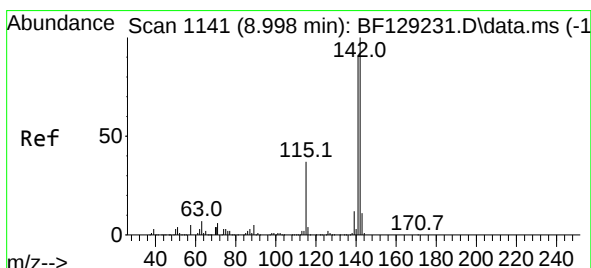
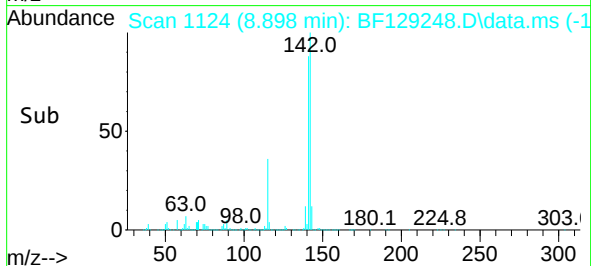
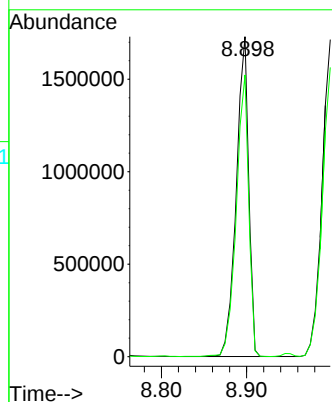
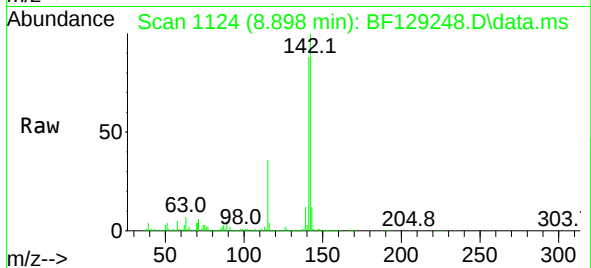
141 88.0 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#38

1-Methylnaphthalene

Concen: 55.466 ng

RT: 8.998 min Scan# 1141

Delta R.T. -0.000 min

Lab File: BF129248.D

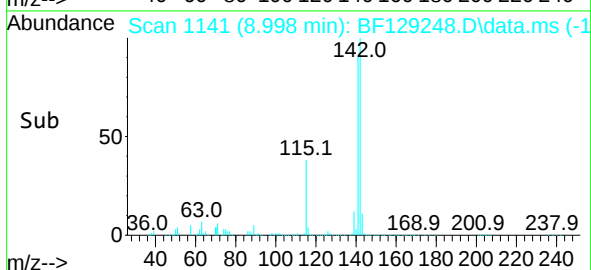
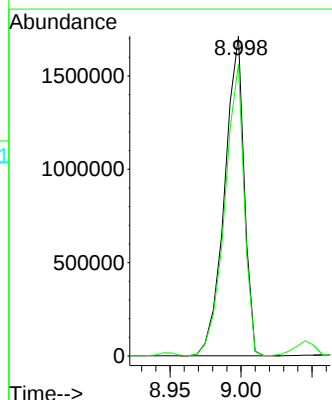
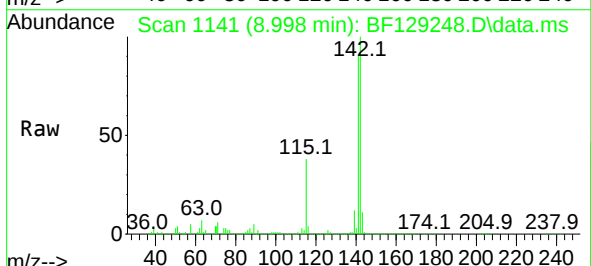
Acq: 15 Jul 2022 20:26

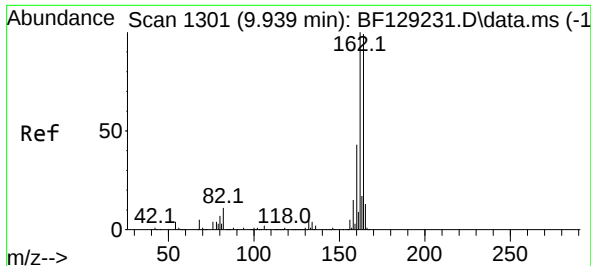
Tgt Ion:142 Resp: 1643211

Ion Ratio Lower Upper

142 100

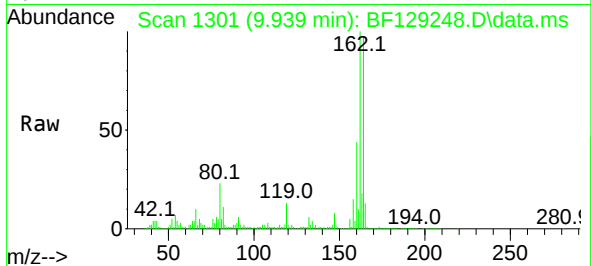
141 91.2 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1130
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

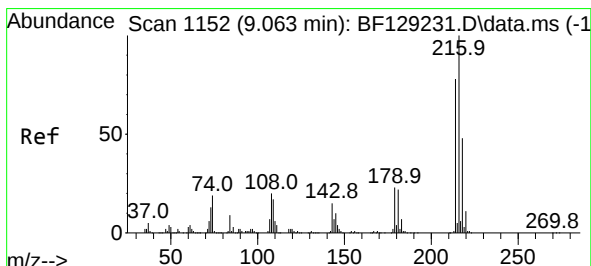
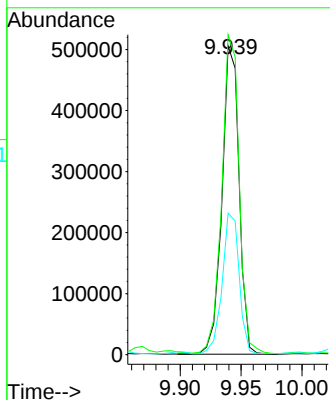
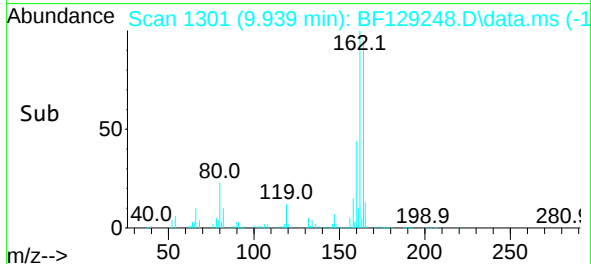
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



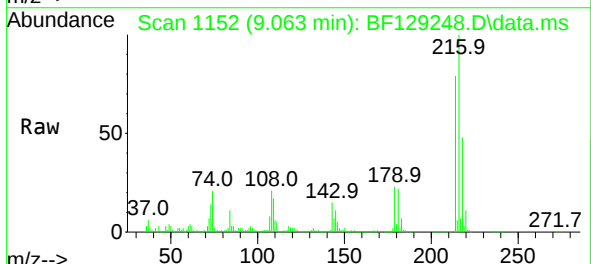
Tgt Ion:164 Resp: 495268
Ion Ratio Lower Upper
164 100
162 103.6 79.5 119.3
160 45.9 34.2 51.4

Manual Integrations
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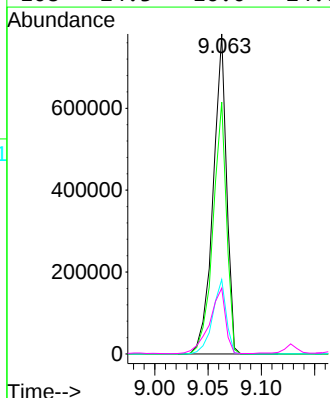
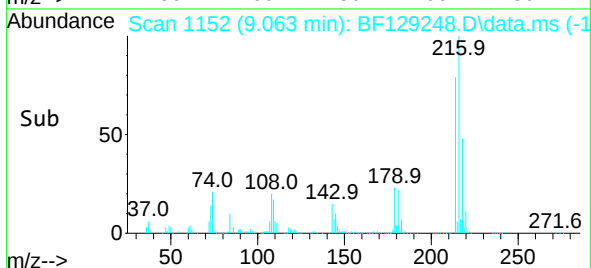
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

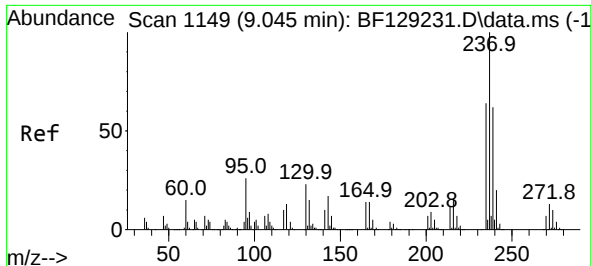


#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.604 ng
RT: 9.063 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



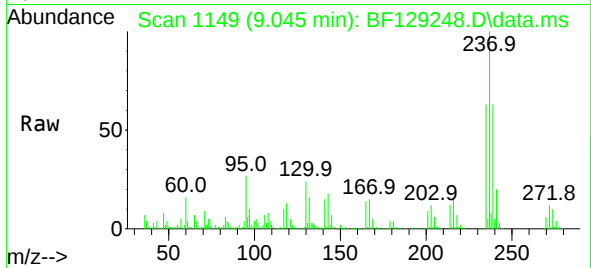
Tgt Ion:216 Resp: 684677
Ion Ratio Lower Upper
216 100
214 79.2 63.6 95.4
179 23.5 17.0 25.6
108 24.3 16.0 24.0#





#41
Hexachlorocyclopentadiene
Concen: 86.775 ng
RT: 9.045 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

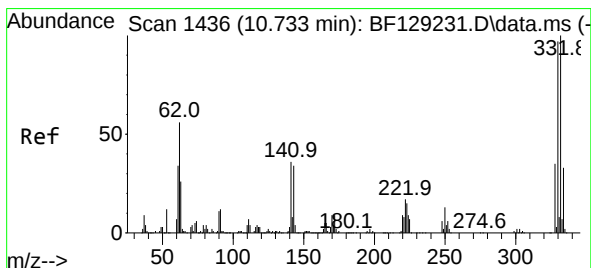
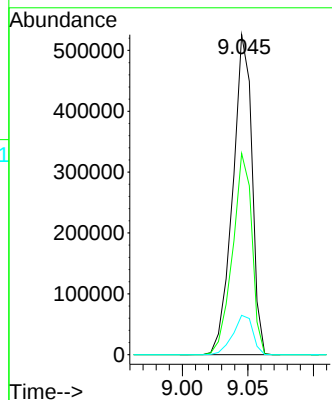
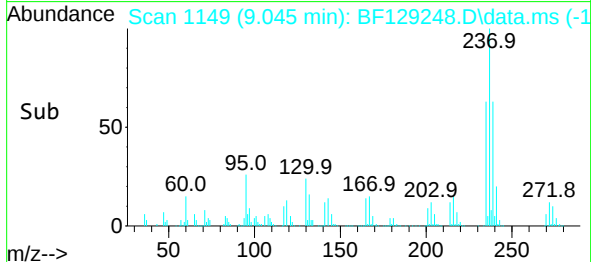
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



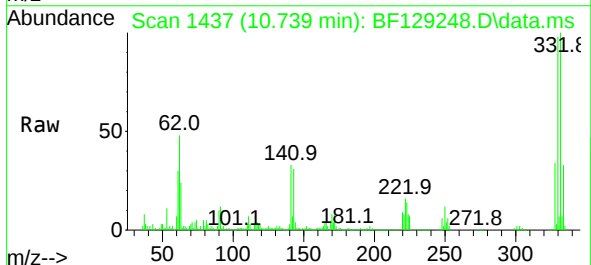
Tgt Ion:237 Resp: 537699
Ion Ratio Lower Upper
237 100
235 62.9 43.2 83.2
272 12.3 0.0 31.9

Manual Integrations
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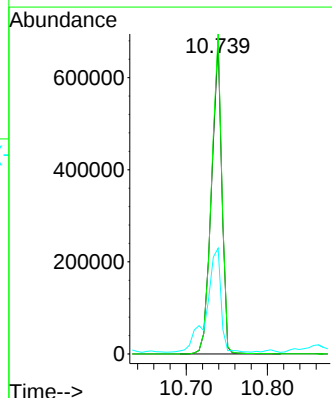
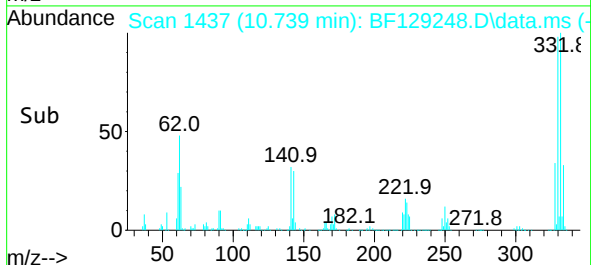
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

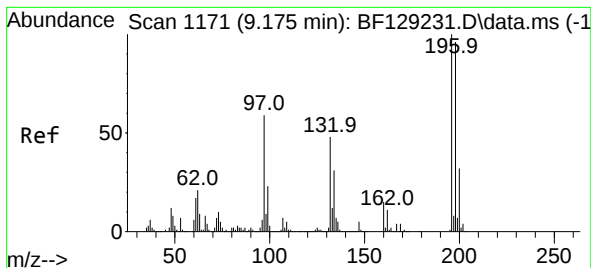


#42
2,4,6-Tribromophenol
Concen: 130.884 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



Tgt Ion:330 Resp: 601663
Ion Ratio Lower Upper
330 100
332 102.0 76.8 115.2
141 45.8 28.0 42.0#





#43

2,4,6-Trichlorophenol

Concen: 54.722 ng

RT: 9.175 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion:196 Resp: 496179

Ion Ratio Lower Upper

196 100

198 95.1 74.0 111.0

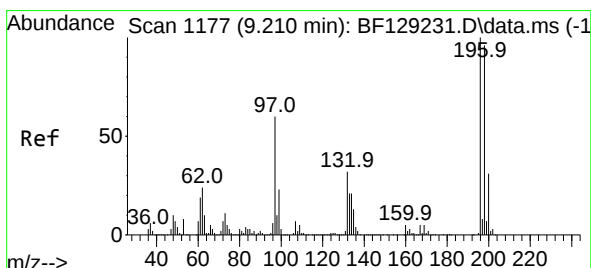
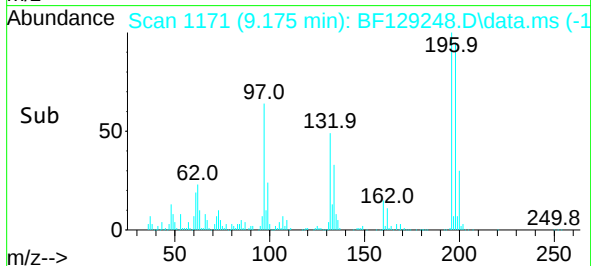
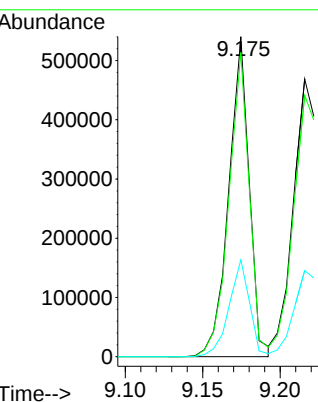
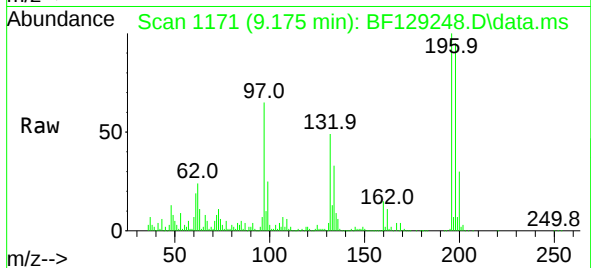
200 30.3 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#44

2,4,5-Trichlorophenol

Concen: 54.333 ng

RT: 9.216 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Tgt Ion:196 Resp: 521114

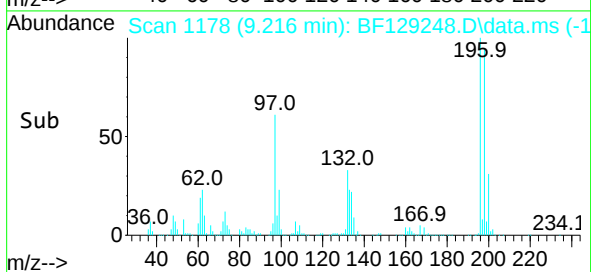
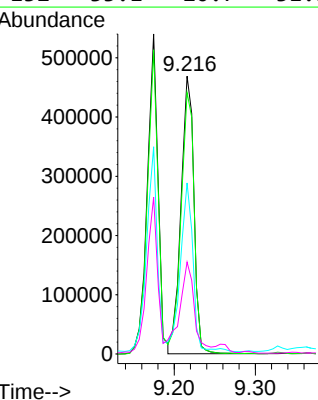
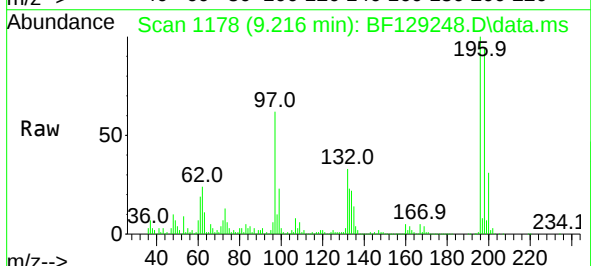
Ion Ratio Lower Upper

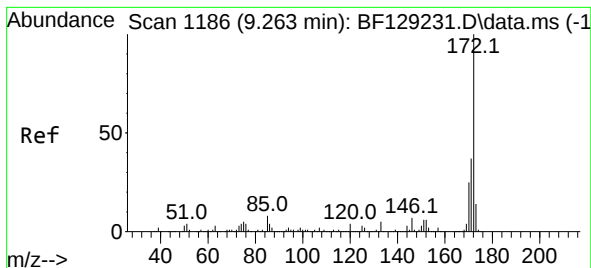
196 100

198 94.1 75.7 113.5

97 61.6 36.4 54.6#

132 33.1 20.7 31.1#





#45

2-Fluorobiphenyl

Concen: 89.926 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion:172 Resp: 2628818

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

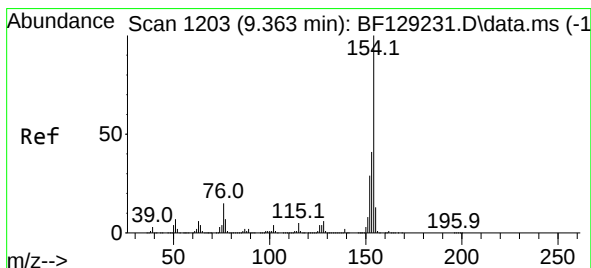
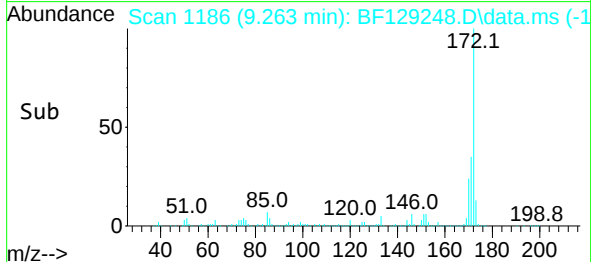
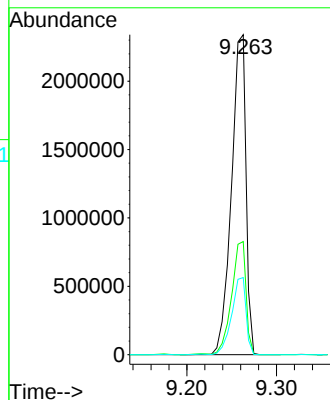
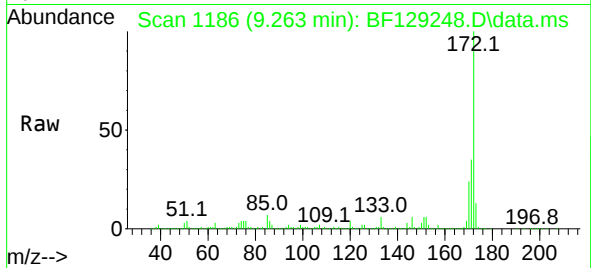
170 24.1 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#46

1,1'-Biphenyl

Concen: 55.157 ng

RT: 9.363 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

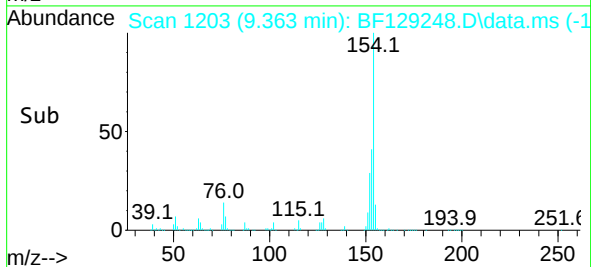
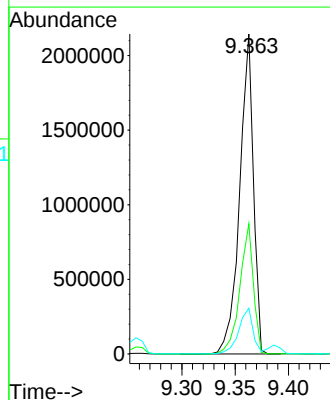
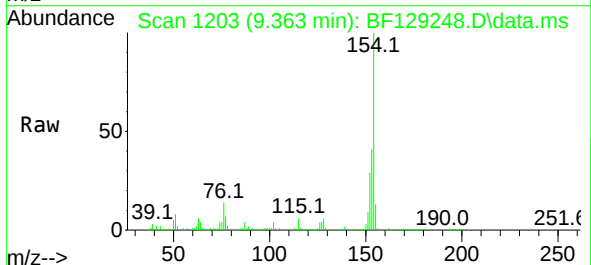
Tgt Ion:154 Resp: 1932149

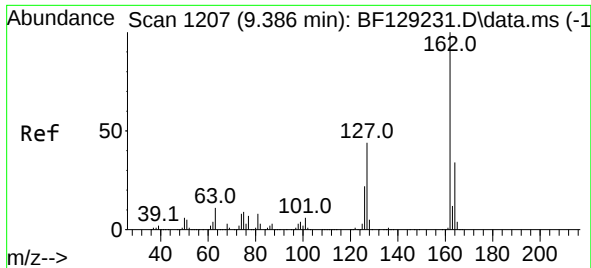
Ion Ratio Lower Upper

154 100

153 40.7 20.6 60.6

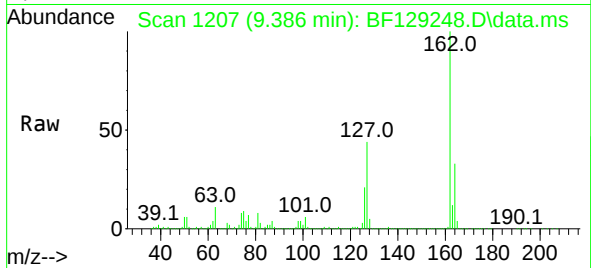
76 14.3 0.0 33.3





#47
2-Chloronaphthalene
Concen: 56.130 ng
RT: 9.386 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

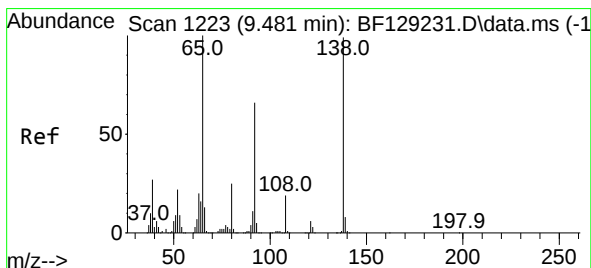
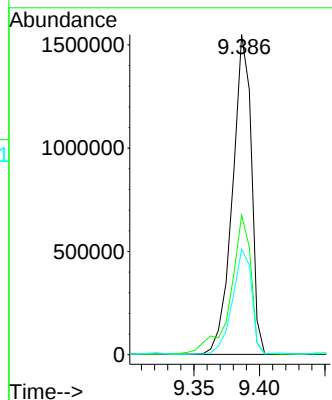
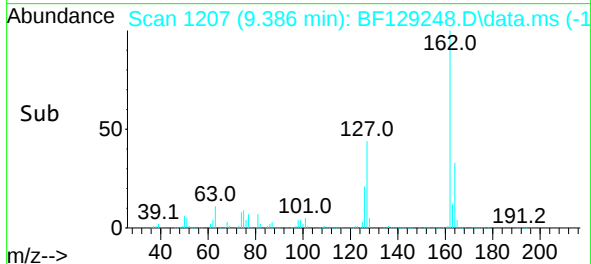
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:162 Resp: 1548729
Ion Ratio Lower Upper
162 100
127 43.6 34.5 51.7
164 33.0 26.5 39.7

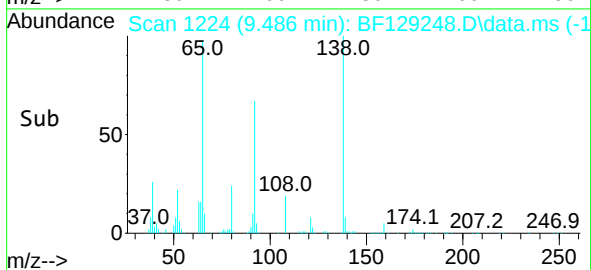
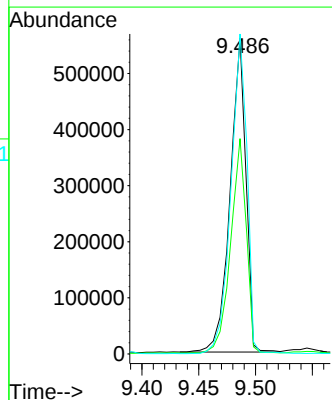
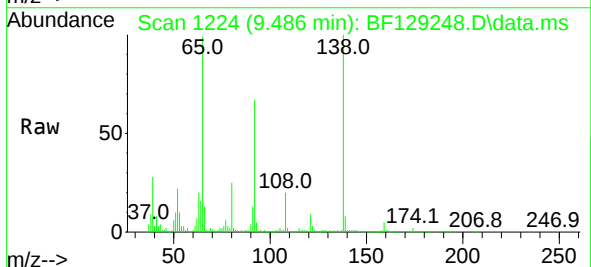
Manual Integrations
APPROVED

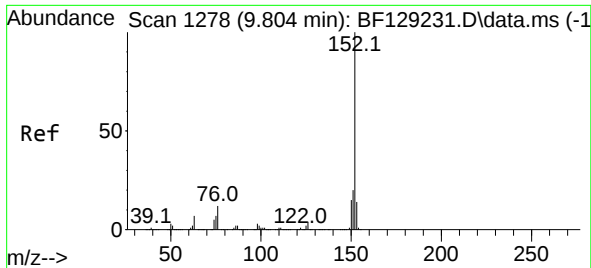
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#48
2-Nitroaniline
Concen: 58.259 ng
RT: 9.486 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

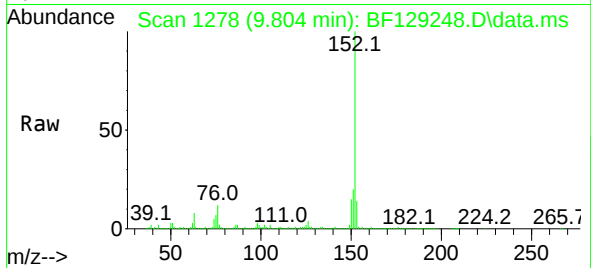
Tgt Ion: 65 Resp: 540059
Ion Ratio Lower Upper
65 100
92 68.2 51.9 77.9
138 101.3 76.4 114.6





#49
Acenaphthylene
Concen: 55.223 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

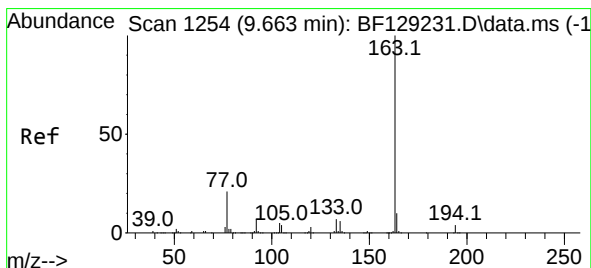
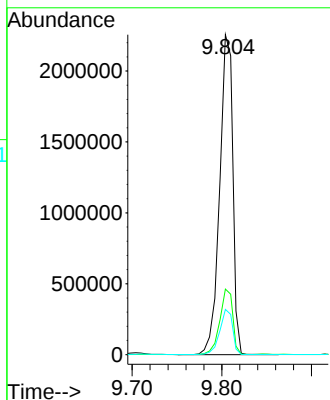
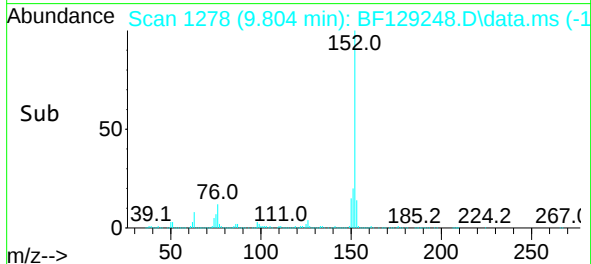
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



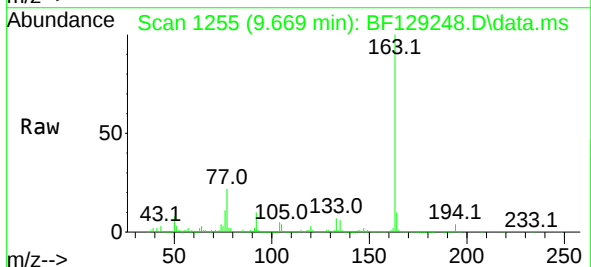
Tgt Ion:152 Resp: 2293372
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4
153 14.2 10.7 16.1

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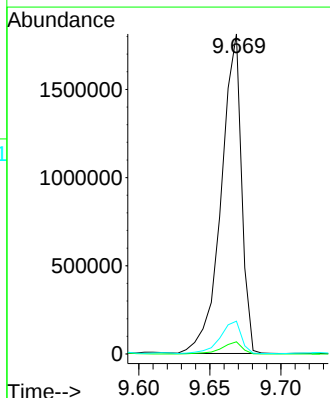
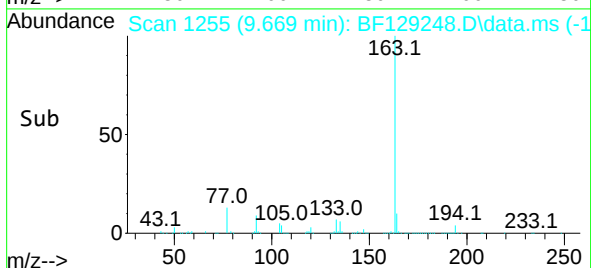
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

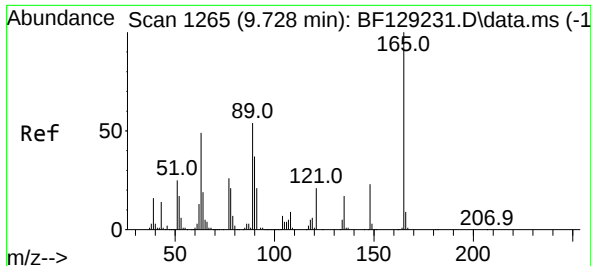


#50
Dimethylphthalate
Concen: 56.188 ng
RT: 9.669 min Scan# 1255
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



Tgt Ion:163 Resp: 1805844
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.3 8.2 12.2





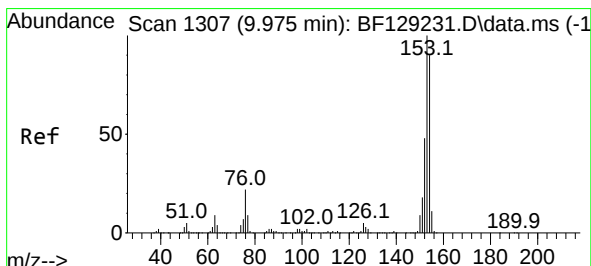
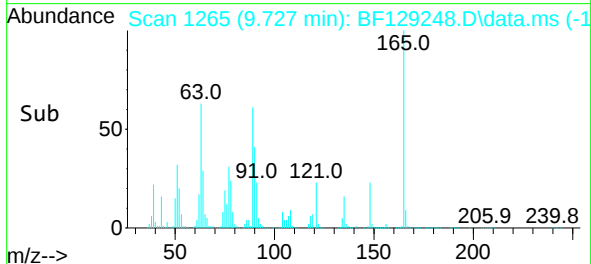
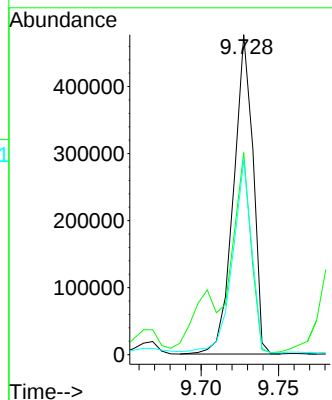
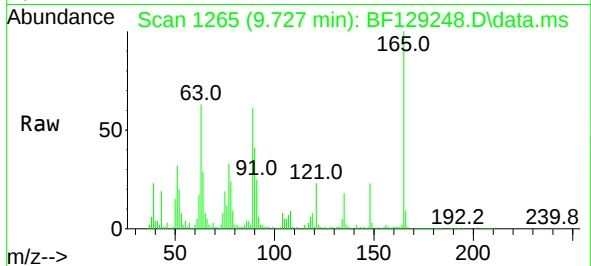
#51
2,6-Dinitrotoluene
Concen: 59.896 ng
RT: 9.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

Tgt Ion:165 Resp: 41655
Ion Ratio Lower Upper
165 100
63 63.1 44.9 67.3
89 60.9 43.6 65.4

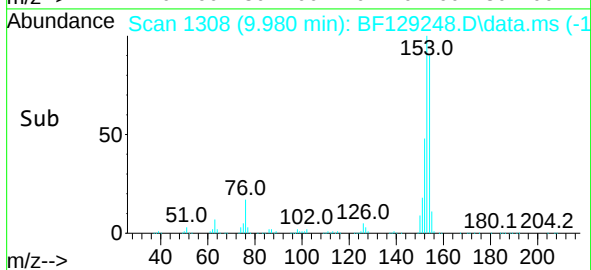
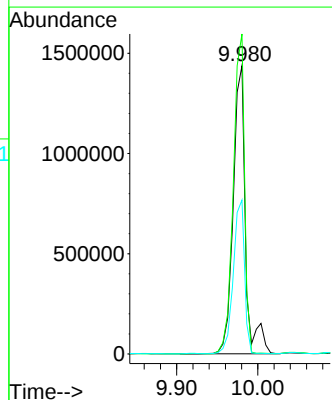
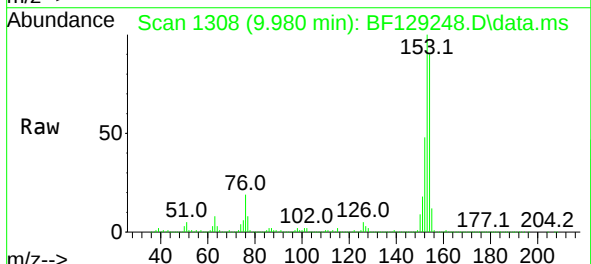
Manual Integrations
APPROVED

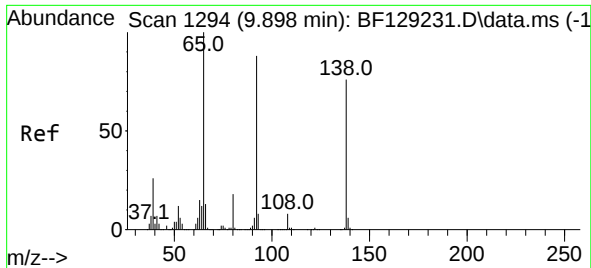
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#52
Acenaphthene
Concen: 55.724 ng
RT: 9.980 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

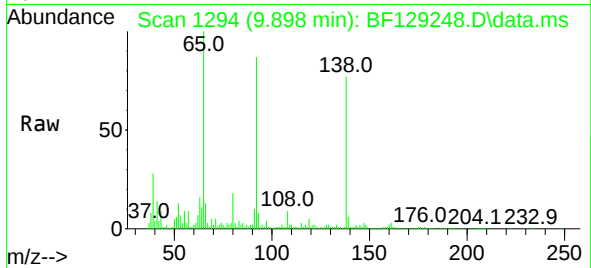
Tgt Ion:154 Resp: 1512662
Ion Ratio Lower Upper
154 100
153 111.0 89.6 134.4
152 53.4 42.4 63.6





#53
3-Nitroaniline
Concen: 29.173 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

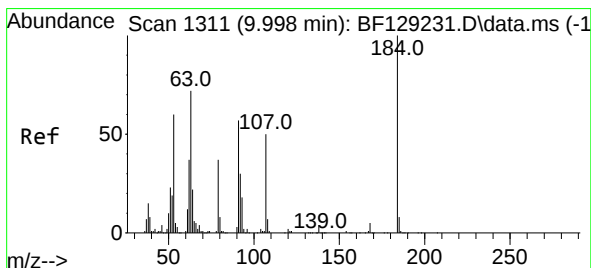
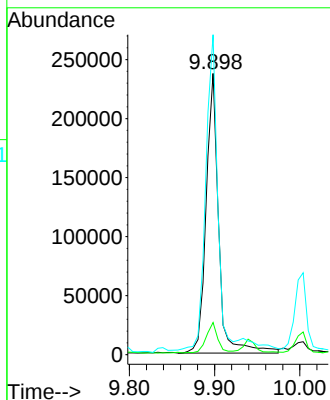
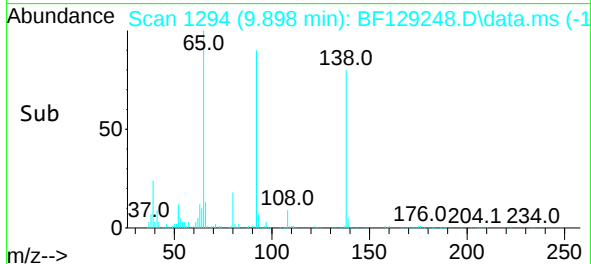
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



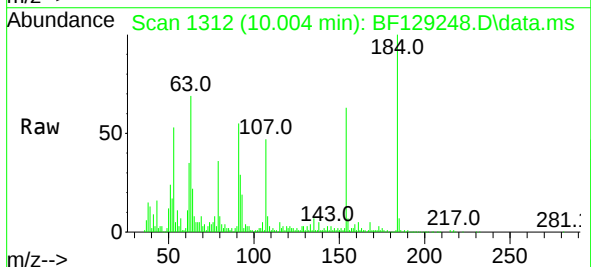
Tgt Ion:138 Resp: 242270
Ion Ratio Lower Upper
138 100
108 11.4 10.9 16.3
92 113.8 98.2 147.2

Manual Integrations
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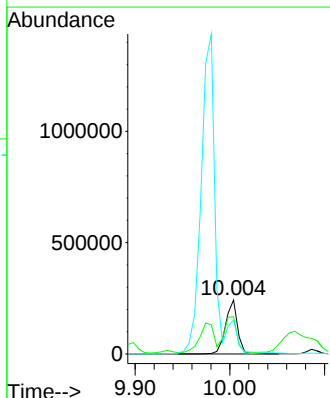
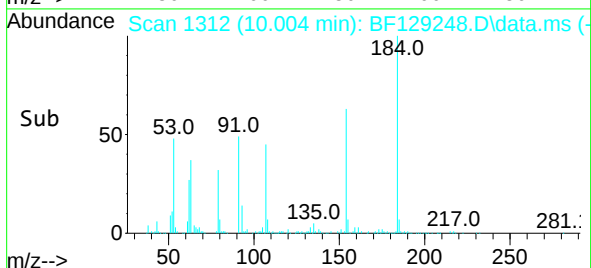
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

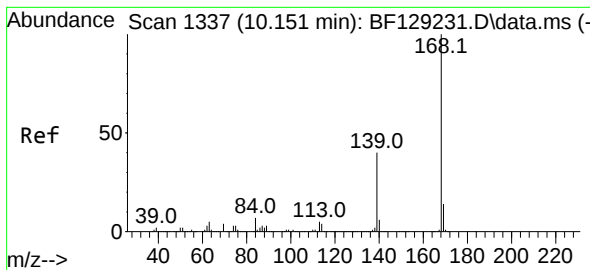


#54
2,4-Dinitrophenol
Concen: 56.784 ng
RT: 10.004 min Scan# 1312
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



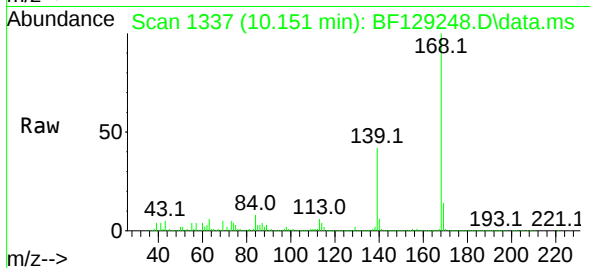
Tgt Ion:184 Resp: 211654
Ion Ratio Lower Upper
184 100
63 69.1 64.5 96.7
154 62.9 50.6 75.8





#55
Dibenzofuran
Concen: 52.062 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

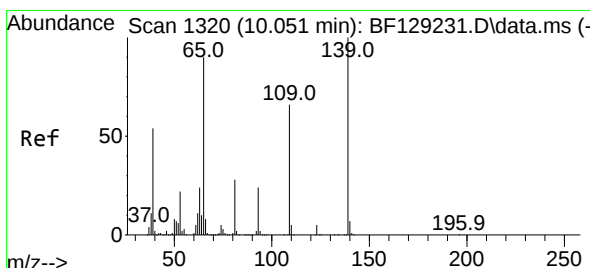
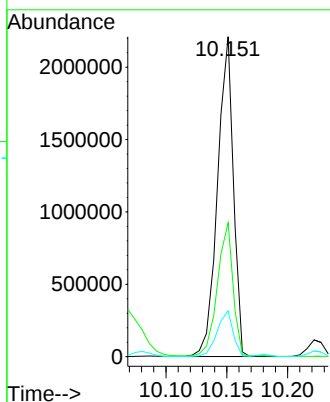
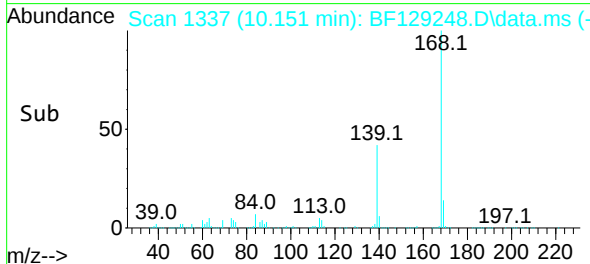
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:168 Resp: 2006210
Ion Ratio Lower Upper
168 100
139 41.9 30.6 46.0
169 14.3 11.0 16.6

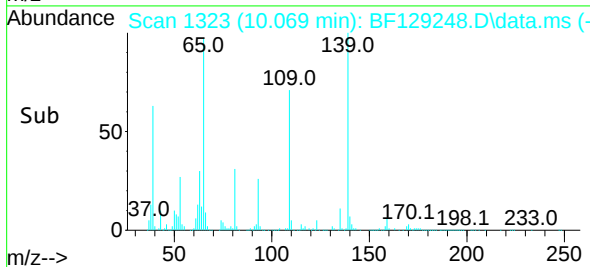
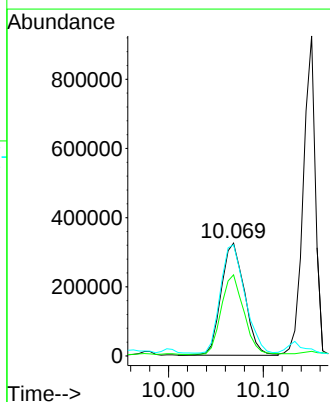
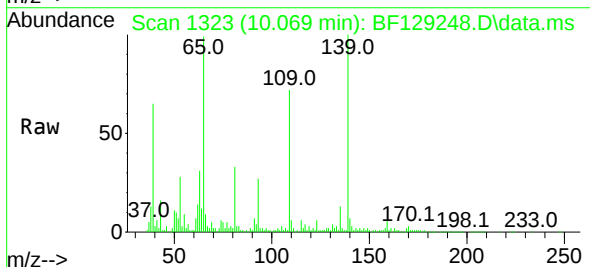
Manual Integrations
APPROVED

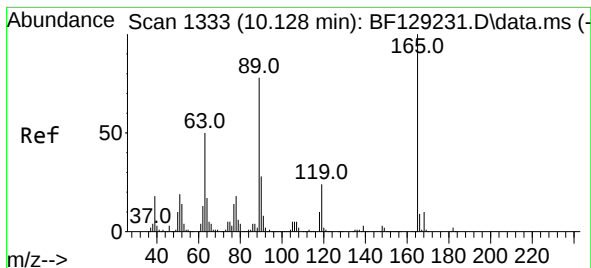
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#56
4-Nitrophenol
Concen: 84.465 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.018 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

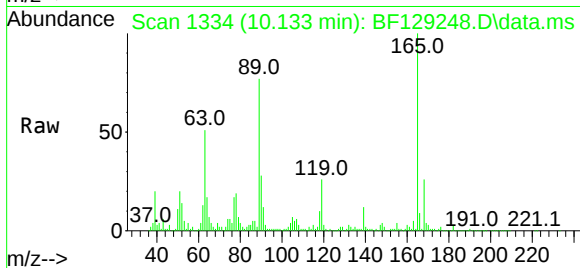
Tgt Ion:139 Resp: 555200
Ion Ratio Lower Upper
139 100
109 71.9 50.7 90.7
65 98.6 74.5 114.5





#57
2,4-Dinitrotoluene
Concen: 57.927 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

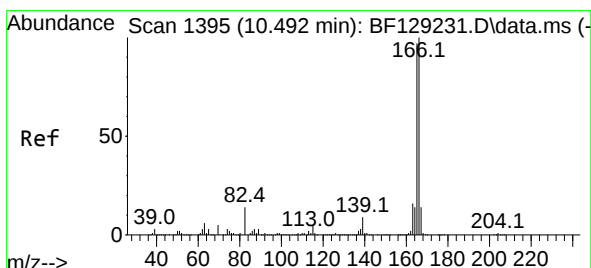
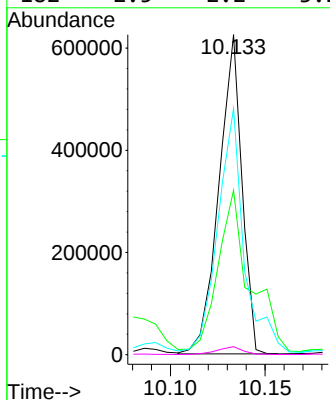
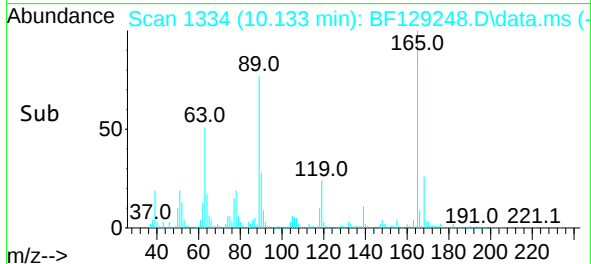
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:165 Resp: 528280
Ion Ratio Lower Upper
165 100
63 51.4 39.8 59.6
89 77.0 60.2 90.2
182 2.5 2.2 3.2

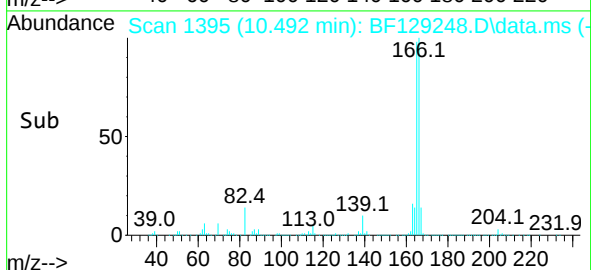
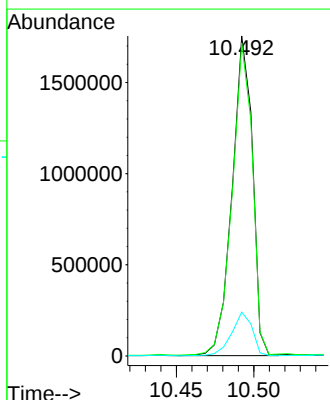
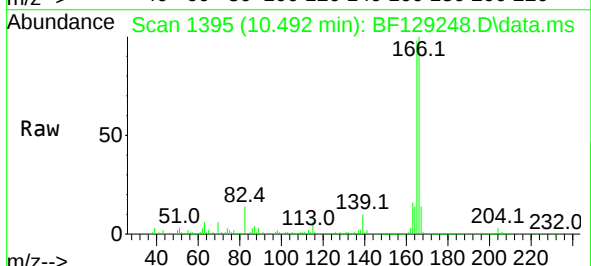
Manual Integrations
APPROVED

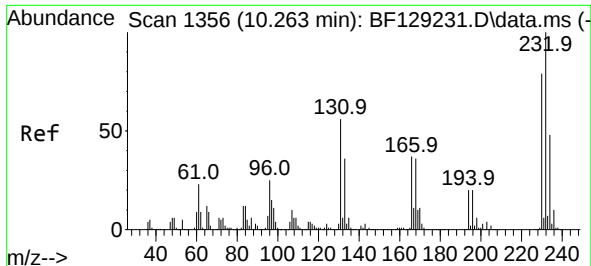
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#58
Fluorene
Concen: 54.600 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

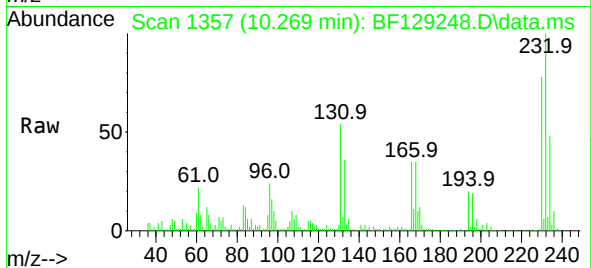
Tgt Ion:166 Resp: 1600275
Ion Ratio Lower Upper
166 100
165 97.7 78.1 117.1
167 13.7 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.229 ng
RT: 10.269 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

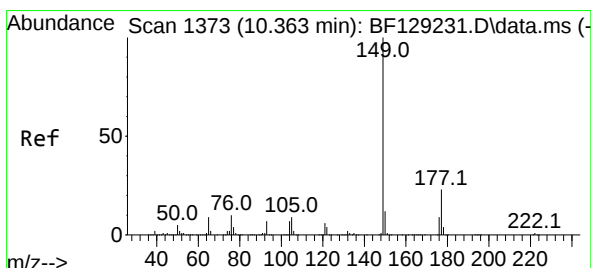
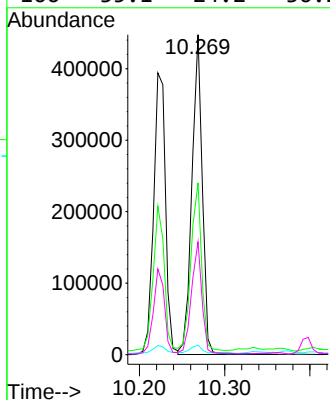
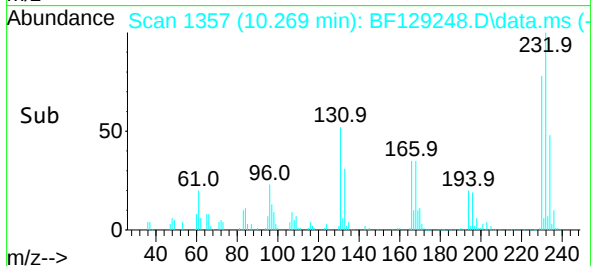
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:232 Resp: 379559
Ion Ratio Lower Upper
232 100
131 53.0 36.1 54.1
130 3.2 1.8 2.8
166 35.1 24.2 36.2

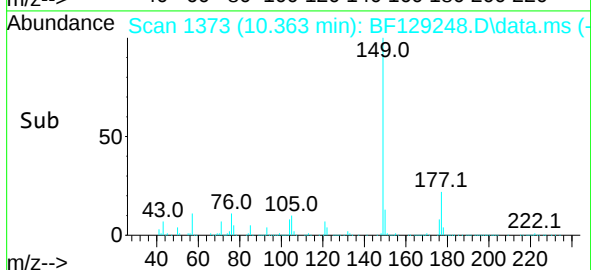
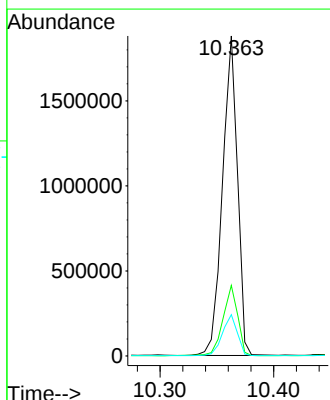
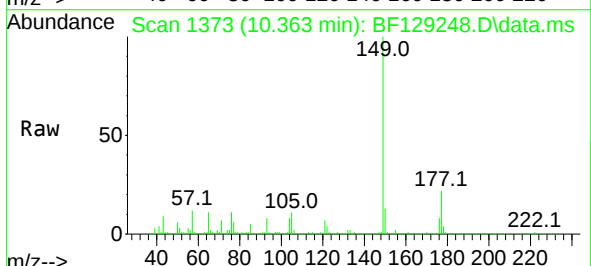
Manual Integrations
APPROVED

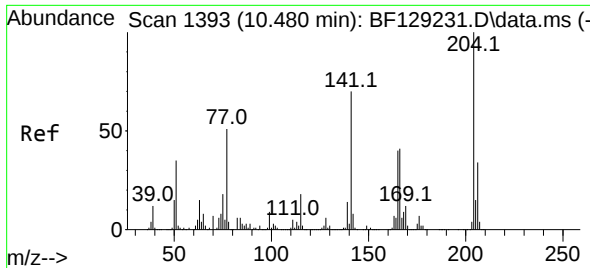
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#60
Diethylphthalate
Concen: 55.545 ng
RT: 10.363 min Scan# 1373
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

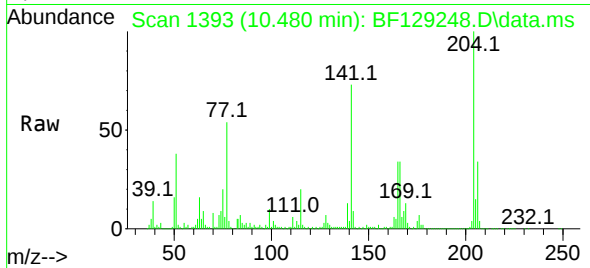
Tgt Ion:149 Resp: 1726364
Ion Ratio Lower Upper
149 100
177 22.1 17.3 25.9
150 12.9 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 52.736 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

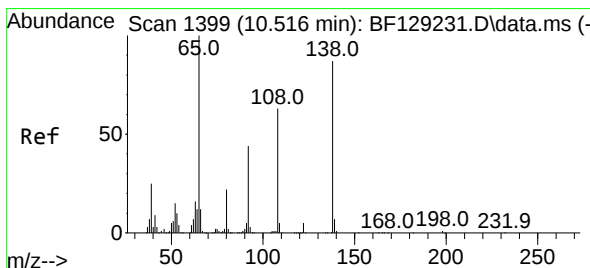
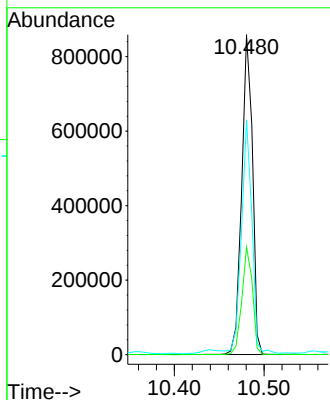
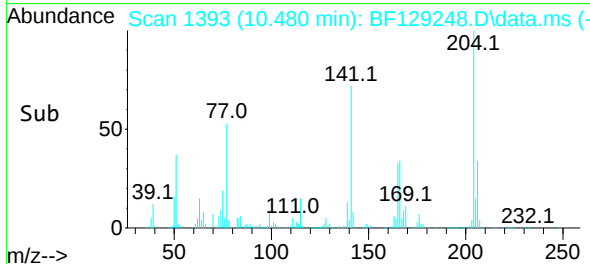
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



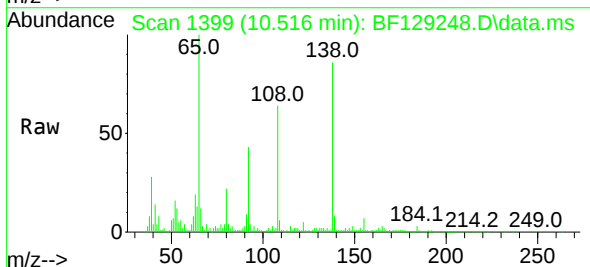
Tgt Ion:204 Resp: 716000
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.6
141 73.4 47.0 70.4

Manual Integrations
APPROVED

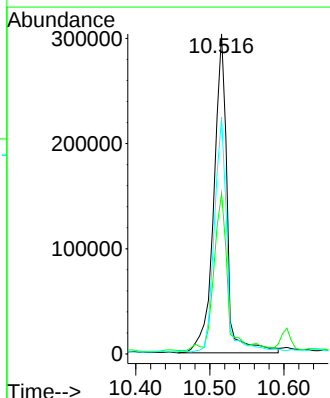
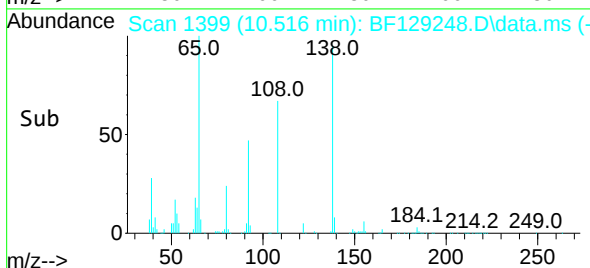
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

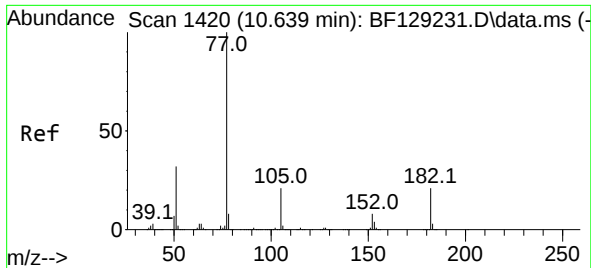


#62
4-Nitroaniline
Concen: 46.139 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



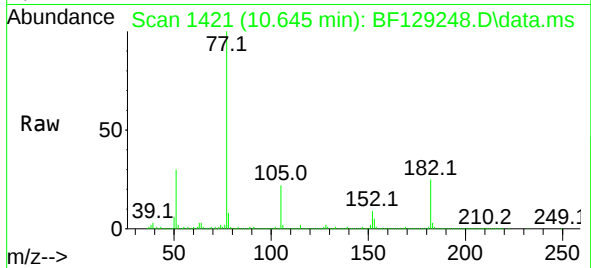
Tgt Ion:138 Resp: 379350
Ion Ratio Lower Upper
138 100
92 50.2 33.5 73.5
108 73.9 61.0 101.0





#63
Azobenzene
Concen: 53.350 ng
RT: 10.645 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

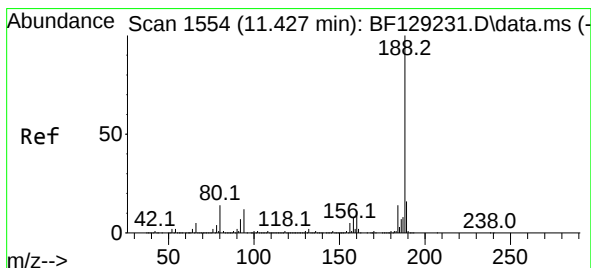
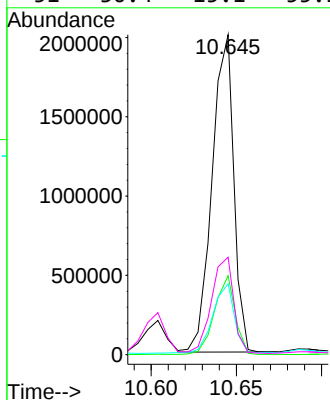
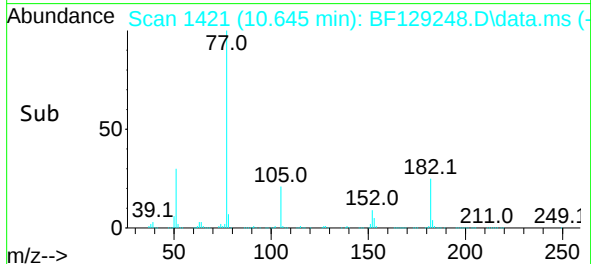
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion: 77 Resp: 1769988
Ion Ratio Lower Upper
77 100
182 24.7 5.6 45.6
105 22.2 1.6 41.6
51 30.4 15.1 55.1

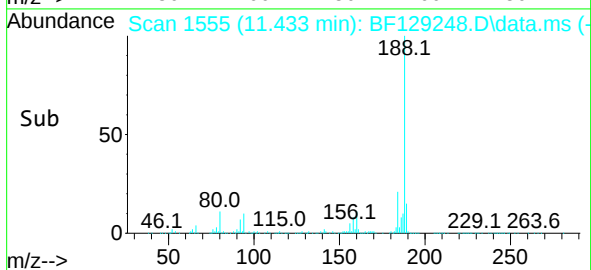
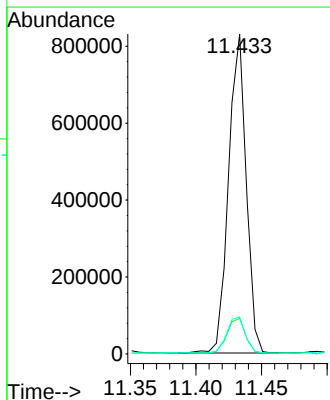
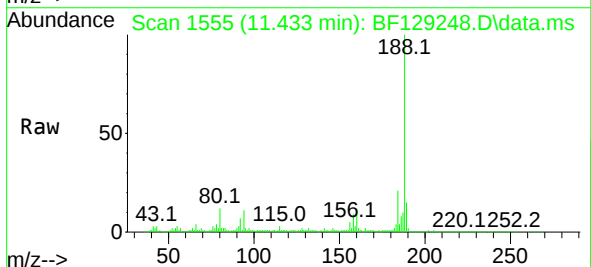
Manual Integrations
APPROVED

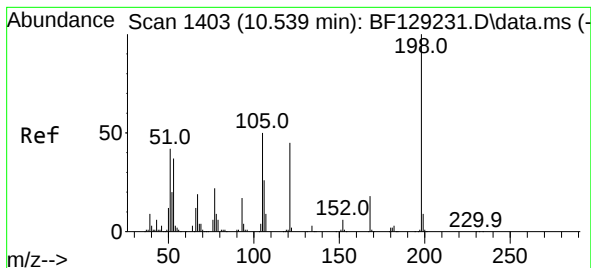
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

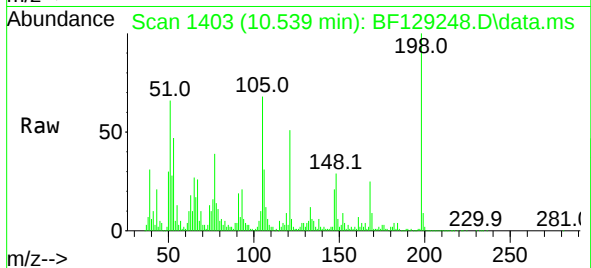
Tgt Ion:188 Resp: 775093
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.6#
80 11.6 7.6 11.4#





#65
4,6-Dinitro-2-methylphenol
Concen: 40.700 ng
RT: 10.539 min Scan# 1403
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

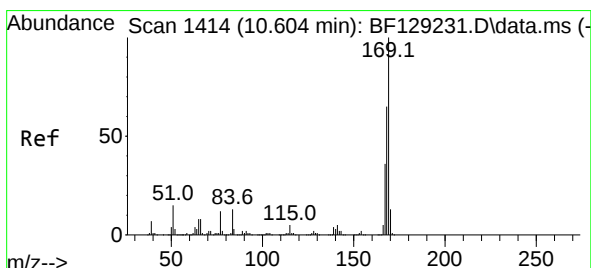
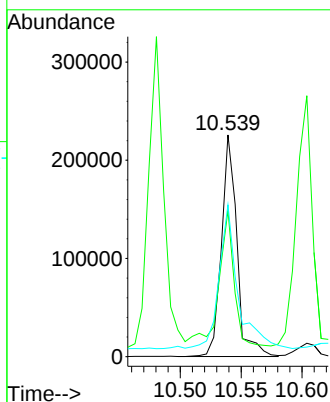
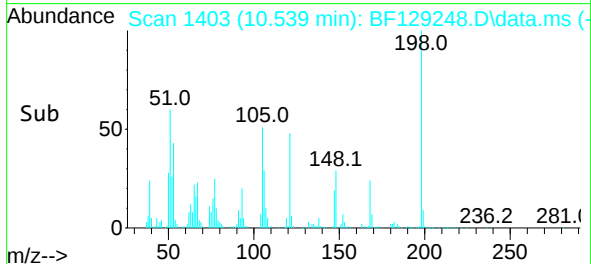
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMS



Tgt Ion:198 Resp: 199319
Ion Ratio Lower Upper
198 100
51 65.9 37.6 77.6
105 68.5 27.0 67.0

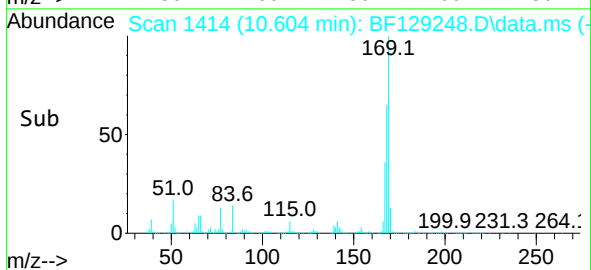
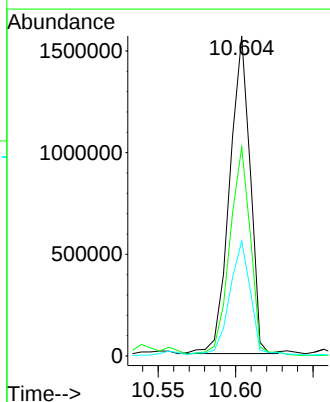
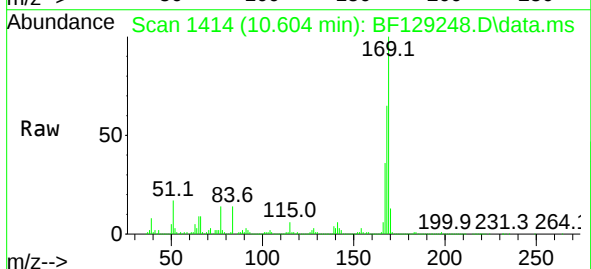
Manual Integrations
APPROVED

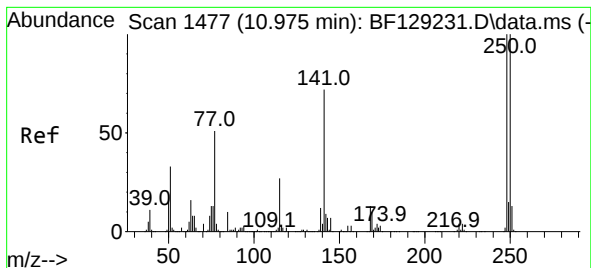
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#66
n-Nitrosodiphenylamine
Concen: 57.879 ng
RT: 10.604 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

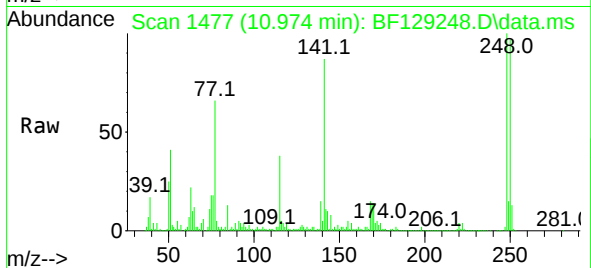
Tgt Ion:169 Resp: 1431319
Ion Ratio Lower Upper
169 100
168 65.3 50.1 75.1
167 35.9 27.9 41.9





#67
4-Bromophenyl-phenylether
Concen: 56.959 ng
RT: 10.974 min Scan# 1477
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

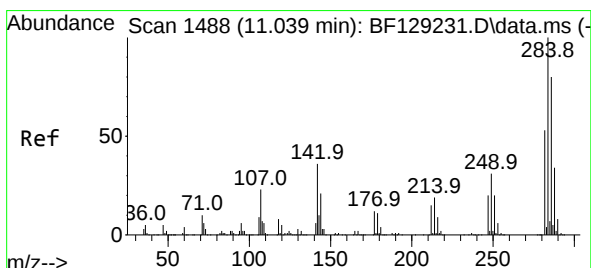
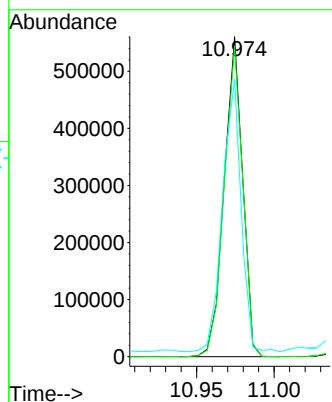
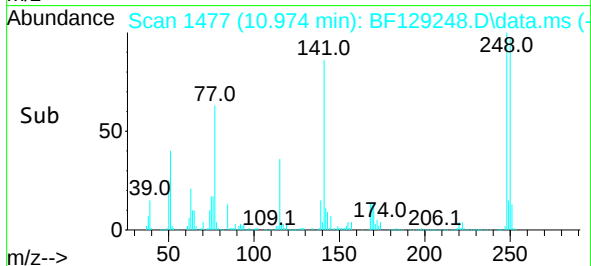
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



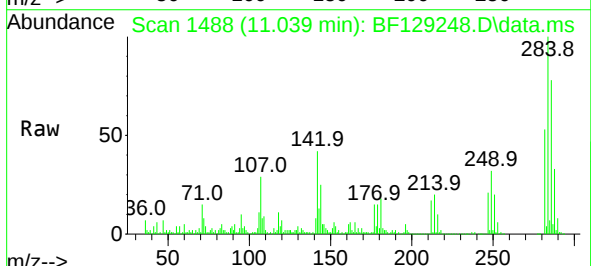
Tgt Ion:248 Resp: 464740
Ion Ratio Lower Upper
248 100
250 97.0 80.6 120.8
141 86.8 58.9 88.3

Manual Integrations
APPROVED

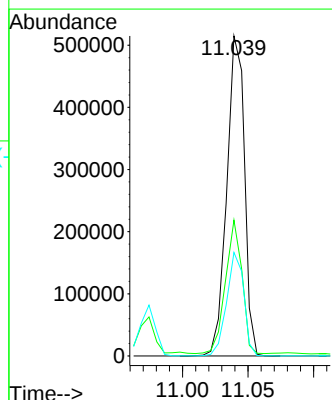
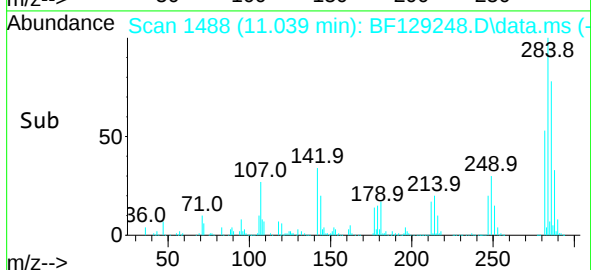
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

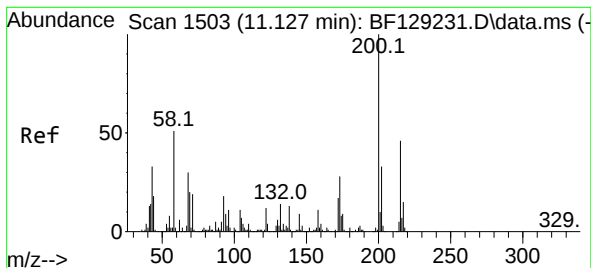


#68
Hexachlorobenzene
Concen: 56.392 ng
RT: 11.039 min Scan# 1488
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



Tgt Ion:284 Resp: 482969
Ion Ratio Lower Upper
284 100
142 42.4 29.0 43.4
249 32.3 25.0 37.6





#69

Atrazine

Concen: 60.575 ng

RT: 11.145 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

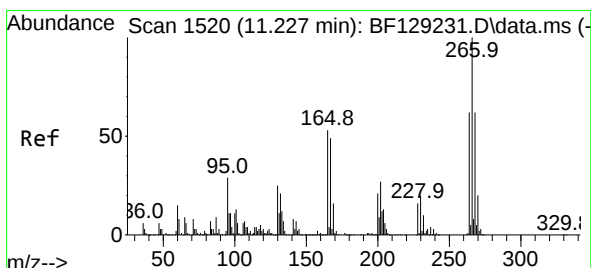
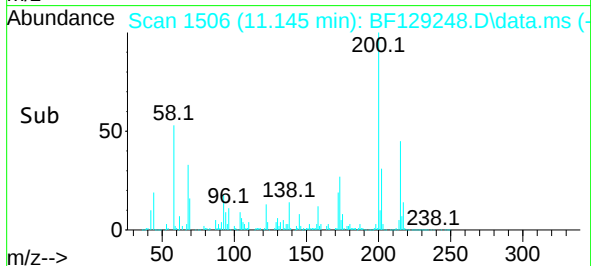
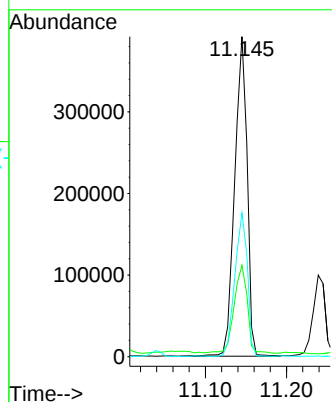
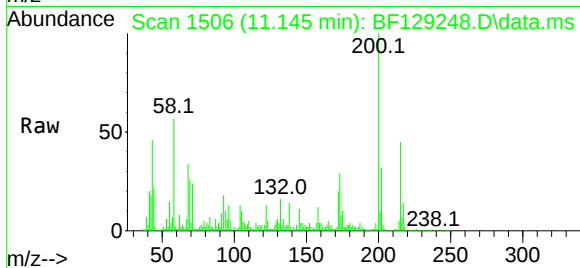
PIPELINE-PIGGING-TK2045LMS

Tgt Ion:200 Resp: 415293
 Ion Ratio Lower Upper
 200 100
 173 28.6 6.3 46.3
 215 44.9 28.3 68.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022
 Supervised By :Jagrut Upadhyay 07/18/2022



#70

Pentachlorophenol

Concen: 100.006 ng

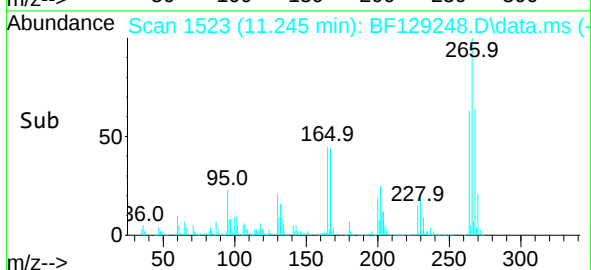
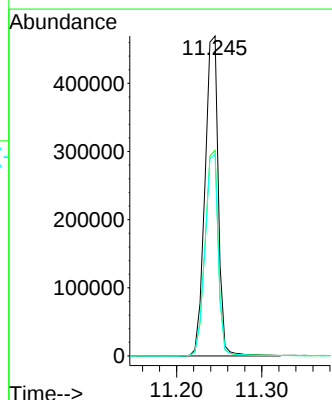
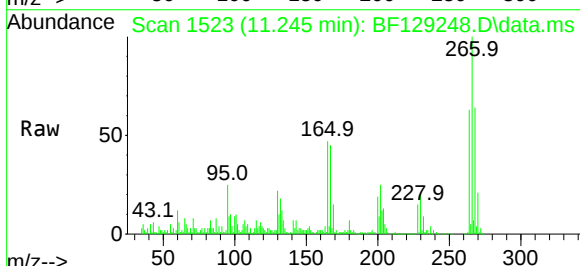
RT: 11.245 min Scan# 1523

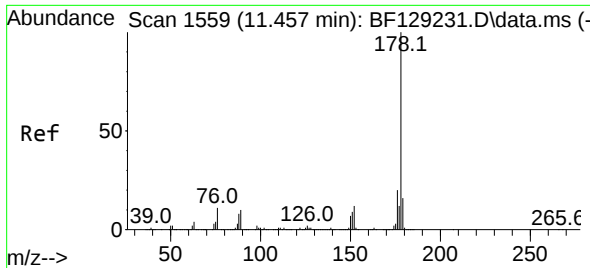
Delta R.T. 0.018 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

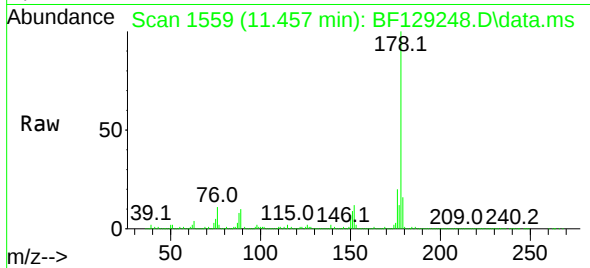
Tgt Ion:266 Resp: 509317
 Ion Ratio Lower Upper
 266 100
 268 64.2 51.0 76.4
 264 63.0 49.4 74.2





#71
Phenanthrene
Concen: 55.328 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

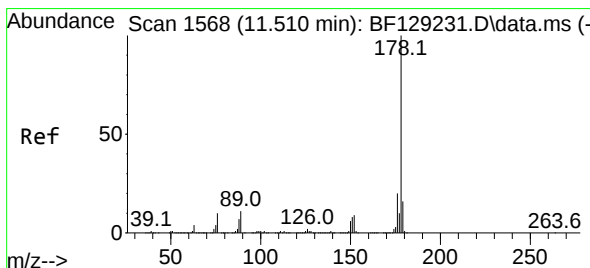
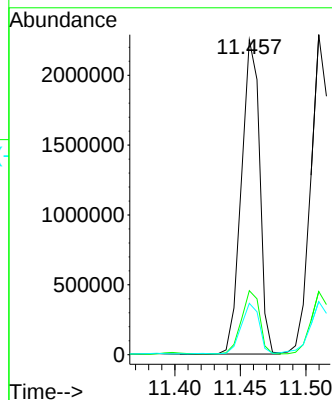
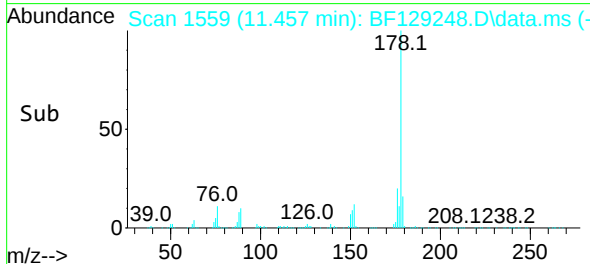
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:178 Resp: 2177269
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 16.3 12.6 19.0

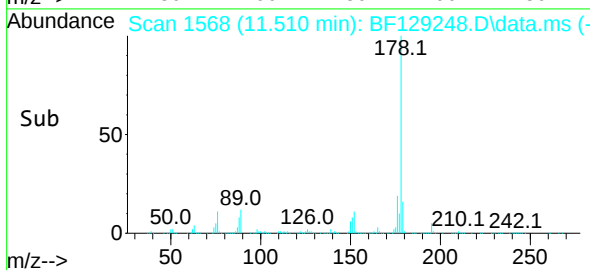
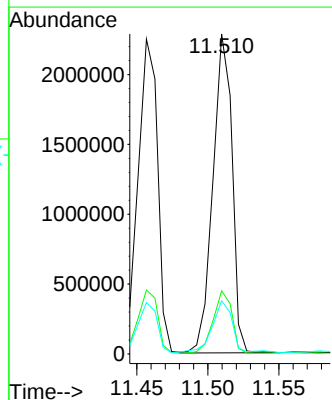
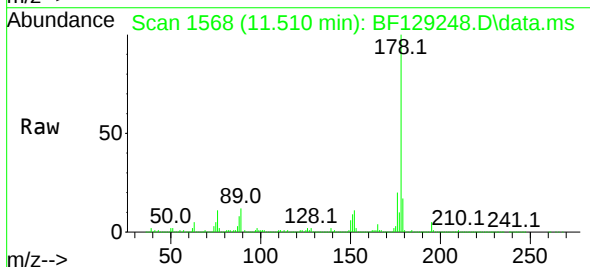
Manual Integrations
APPROVED

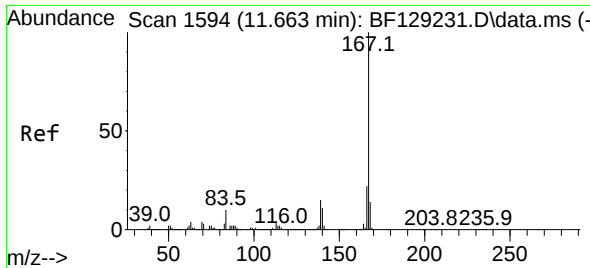
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#72
Anthracene
Concen: 54.633 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

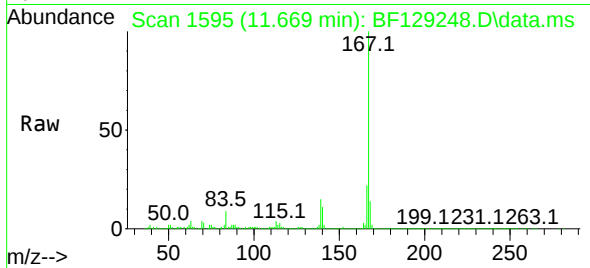
Tgt Ion:178 Resp: 2135645
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.6 12.6 19.0





#73
 Carbazole
 Concen: 49.895 ng
 RT: 11.669 min Scan# 1595
 Delta R.T. 0.006 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

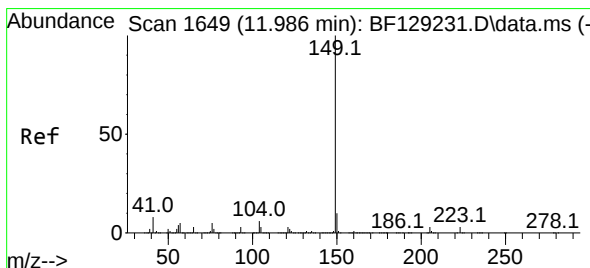
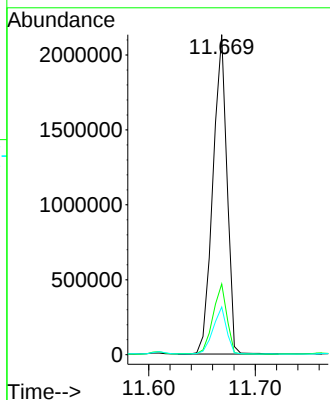
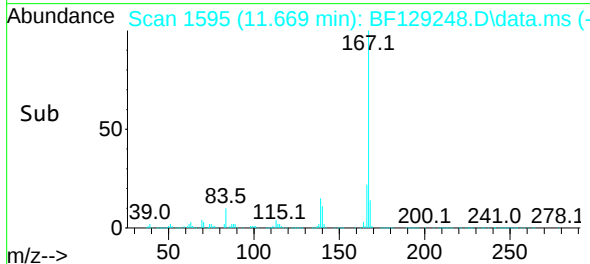
Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS



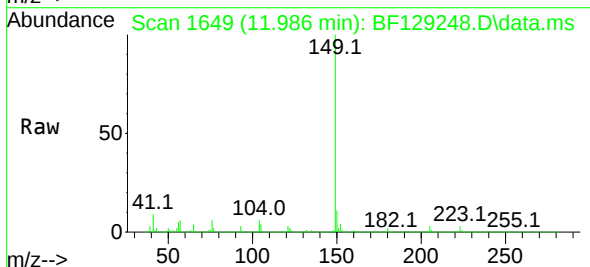
Tgt Ion:167 Resp: 1945510
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 14.9 11.2 16.8

Manual Integrations
 APPROVED

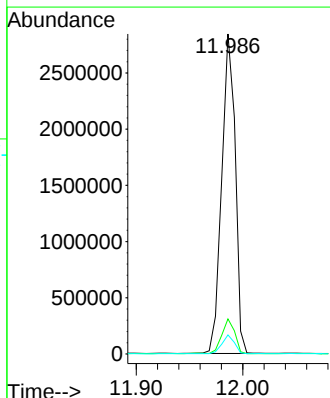
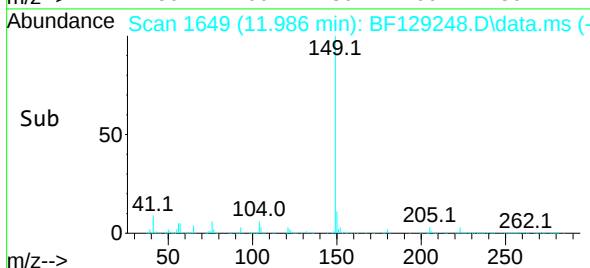
Reviewed By :Christian Giraldo 07/18/2022
 Supervised By :Jagrut Upadhyay 07/18/2022

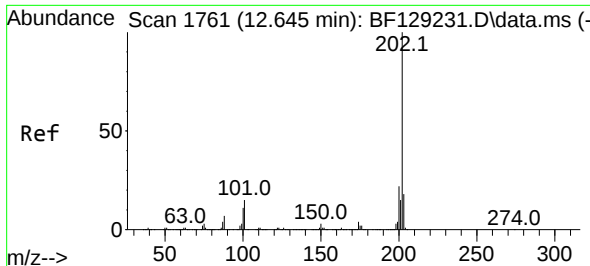


#74
 Di-n-butylphthalate
 Concen: 55.741 ng
 RT: 11.986 min Scan# 1649
 Delta R.T. -0.000 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26



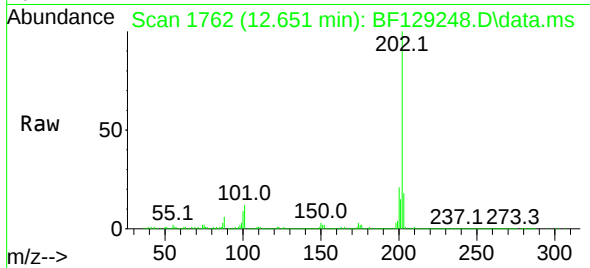
Tgt Ion:149 Resp: 2497747
 Ion Ratio Lower Upper
 149 100
 150 10.9 7.5 11.3
 104 6.0 4.4 6.6





#75
Fluoranthene
Concen: 49.375 ng
RT: 12.651 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

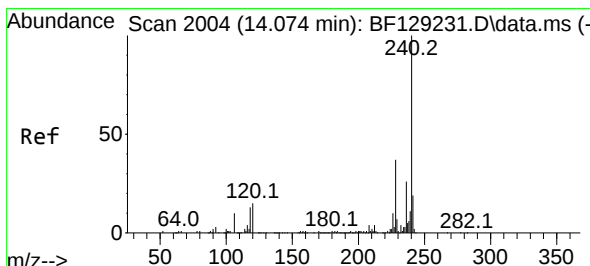
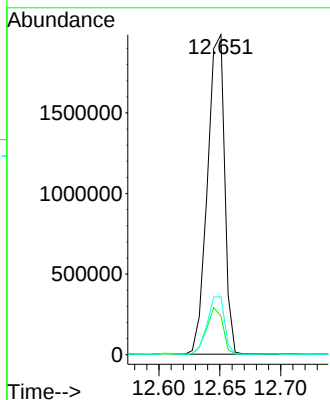
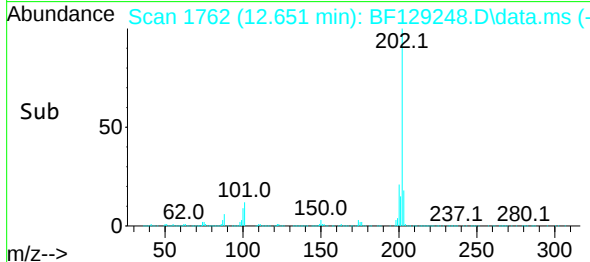
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:202 Resp: 193510
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.4
203 18.1 0.0 38.0

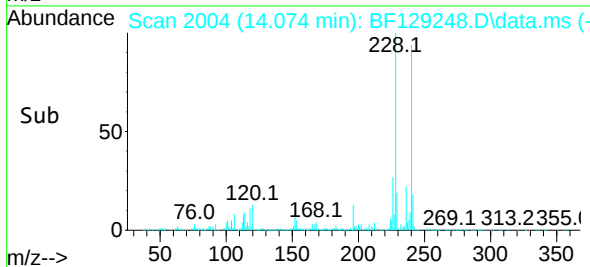
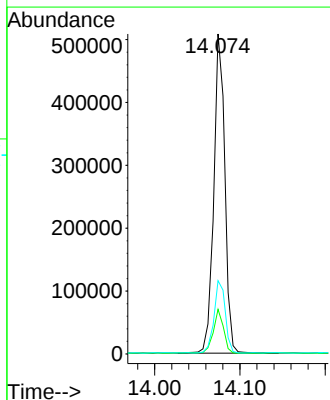
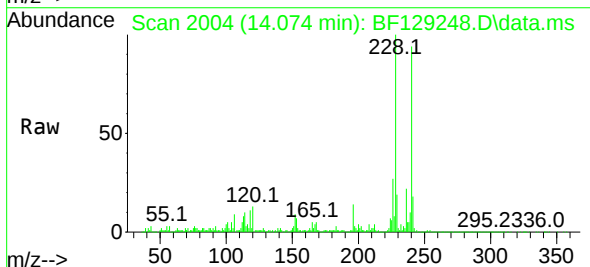
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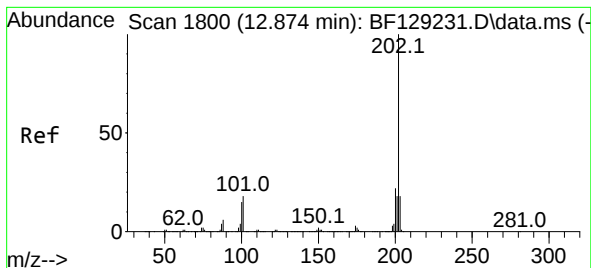
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:240 Resp: 459039
Ion Ratio Lower Upper
240 100
120 14.0 8.9 13.3#
236 22.9 20.8 31.2





#78

Pyrene

Concen: 50.922 ng

RT: 12.880 min Scan# 1801

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion:202 Resp: 1893300

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

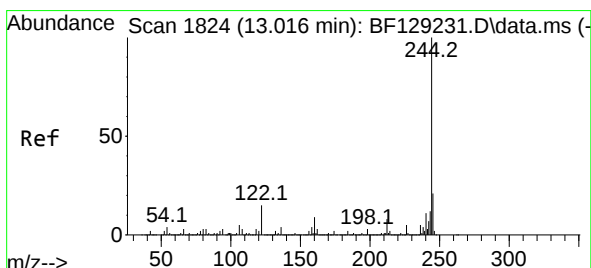
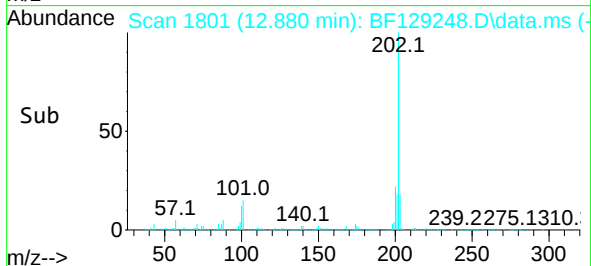
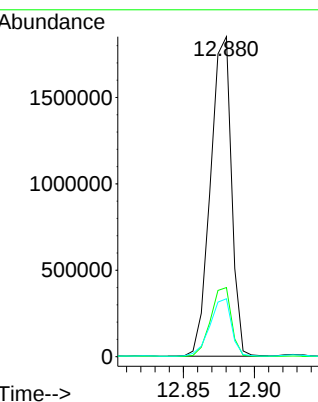
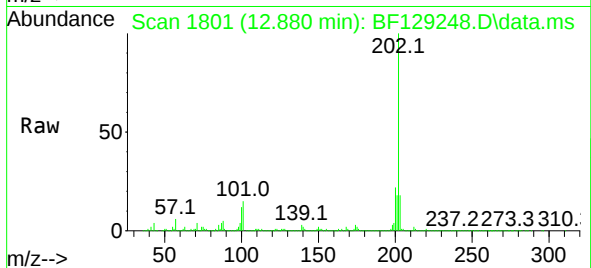
203 18.1 14.6 21.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#79

Terphenyl-d14

Concen: 83.323 ng

RT: 13.016 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

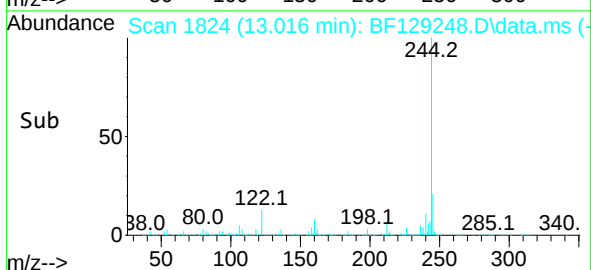
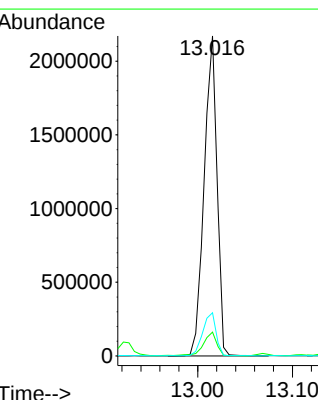
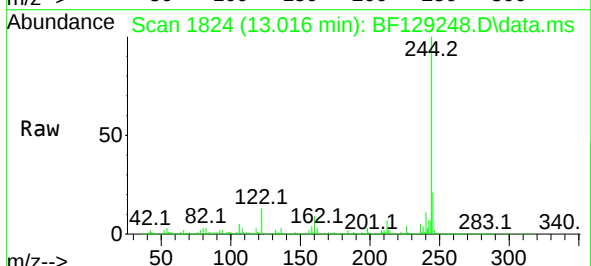
Tgt Ion:244 Resp: 2044621

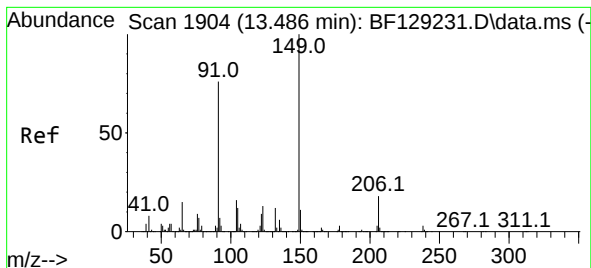
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

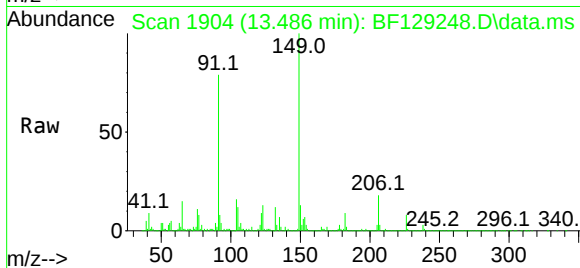
122 13.5 8.8 13.2#





#80
Butylbenzylphthalate
Concen: 53.603 ng
RT: 13.486 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

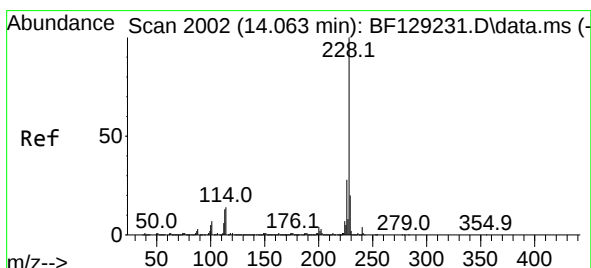
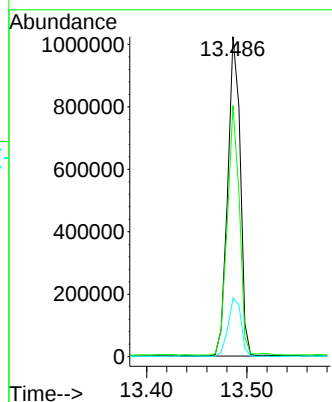
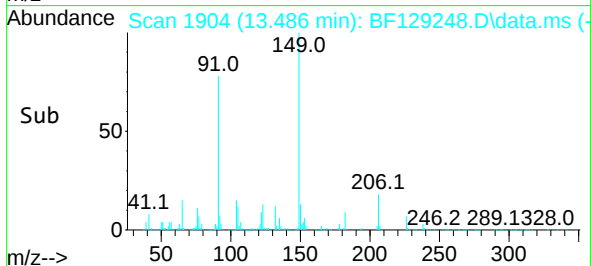
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:149 Resp: 88768
Ion Ratio Lower Upper
149 100
91 78.5 61.2 91.8
206 18.3 15.7 23.5

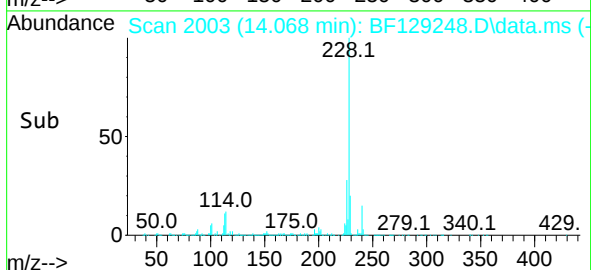
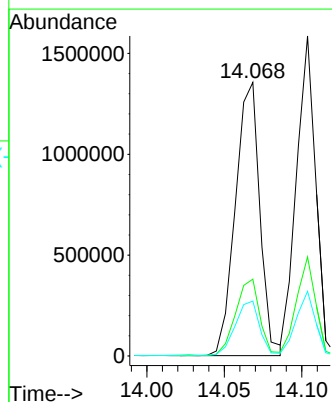
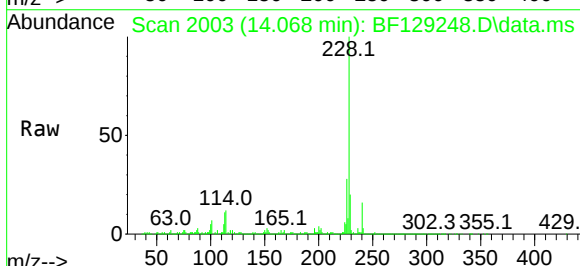
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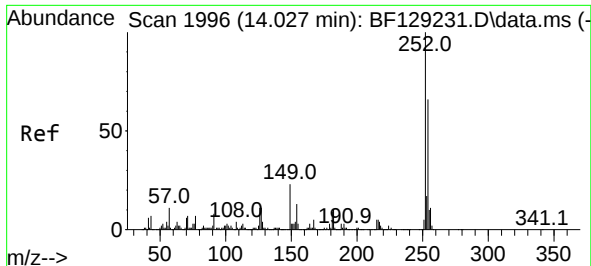
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#81
Benzo(a)anthracene
Concen: 51.302 ng
RT: 14.068 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

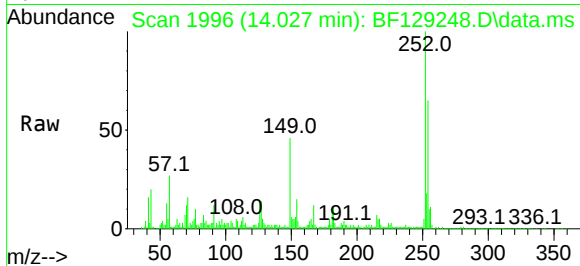
Tgt Ion:228 Resp: 1485445
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.1 15.8 23.8





#82
3,3'-Dichlorobenzidine
Concen: 28.695 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

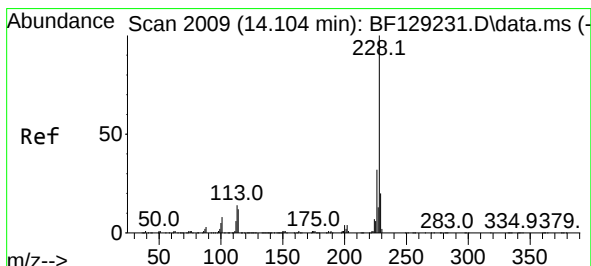
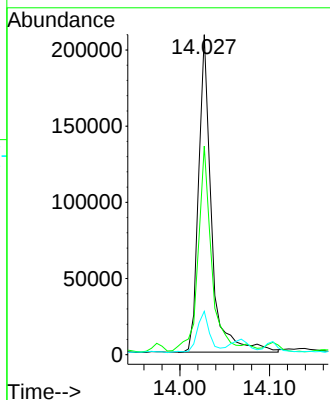
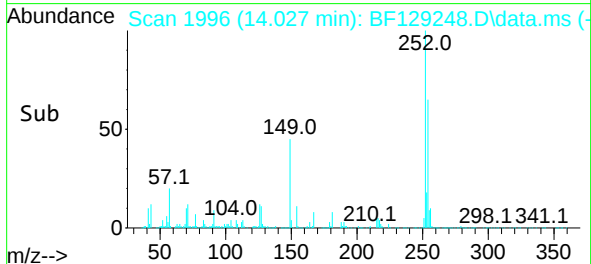
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



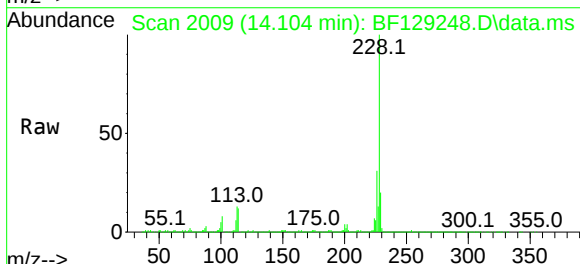
Tgt Ion:252 Resp: 207840
Ion Ratio Lower Upper
252 100
254 65.2 50.2 75.4
126 13.5 8.2 12.4

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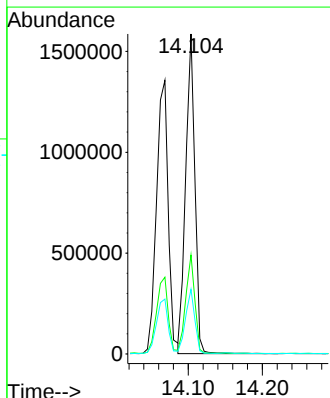
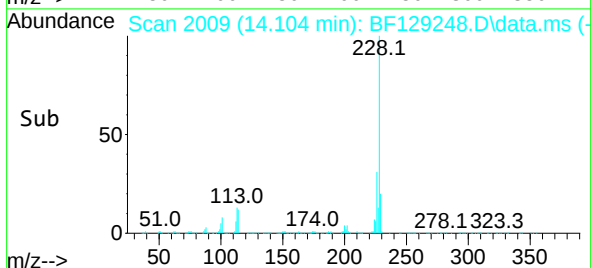
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

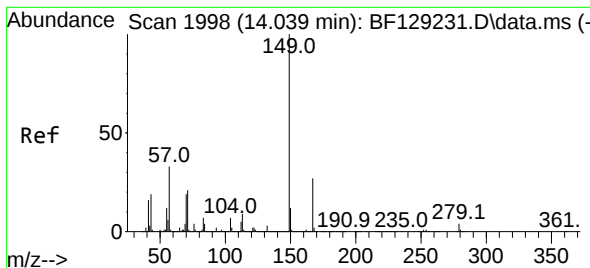


#83
Chrysene
Concen: 49.942 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



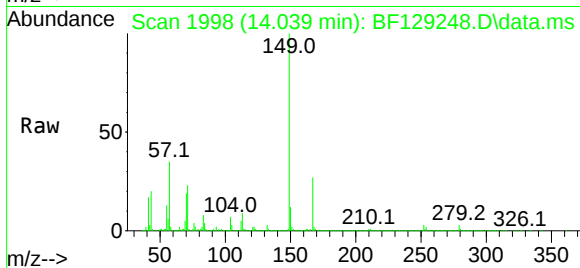
Tgt Ion:228 Resp: 1380285
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 20.2 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 59.394 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

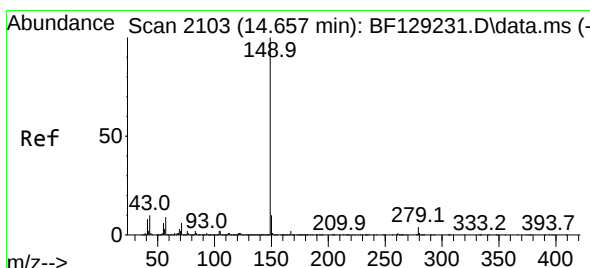
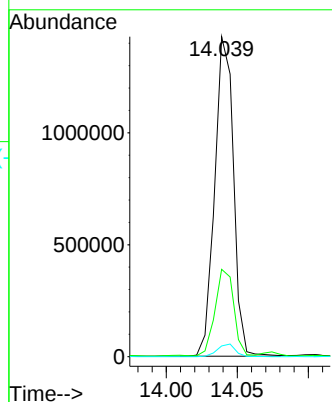
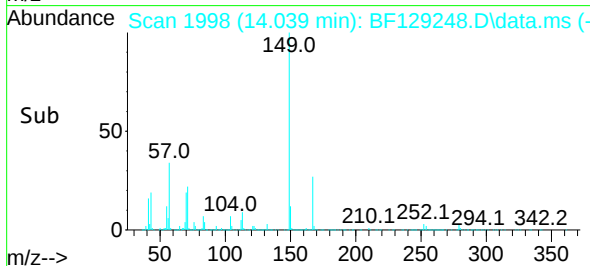
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:149 Resp: 1308791
Ion Ratio Lower Upper
149 100
167 27.3 21.0 31.4
279 3.4 3.1 4.7

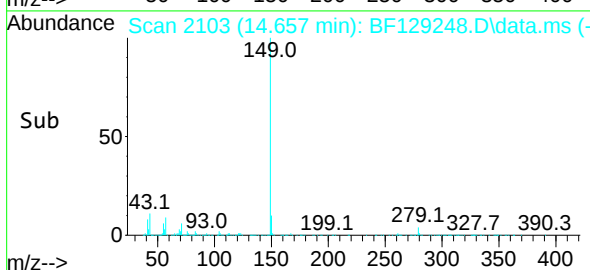
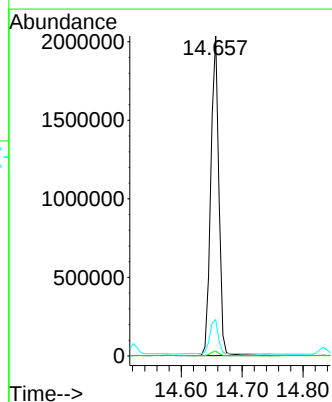
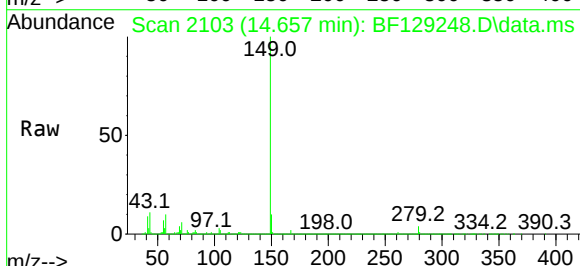
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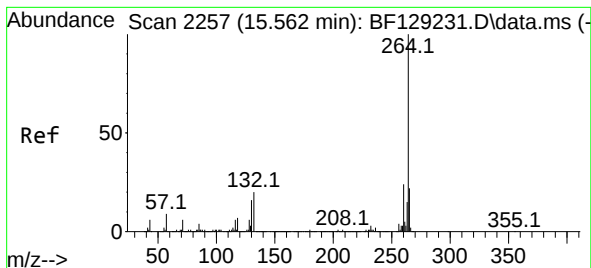
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#85
Di-n-octyl phthalate
Concen: 59.173 ng
RT: 14.657 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:149 Resp: 1870214
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 11.6 9.2 13.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion:264 Resp: 457560

Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

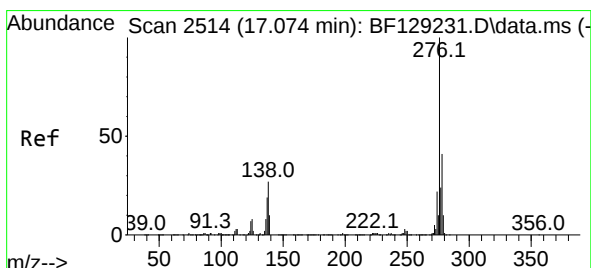
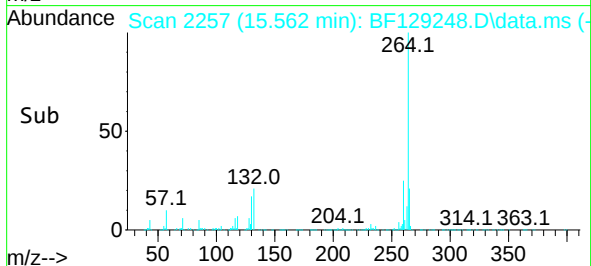
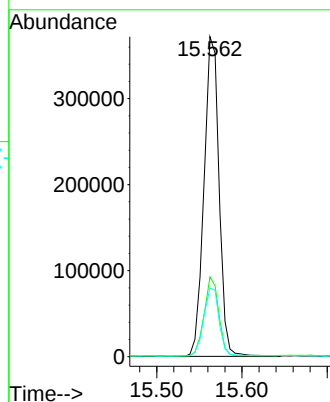
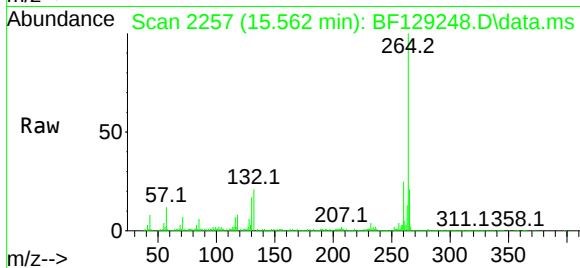
265 21.4 17.2 25.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 63.062 ng

RT: 17.080 min Scan# 2515

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

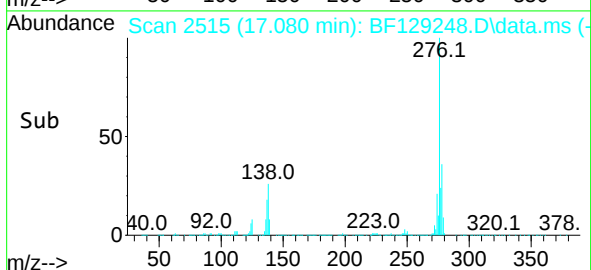
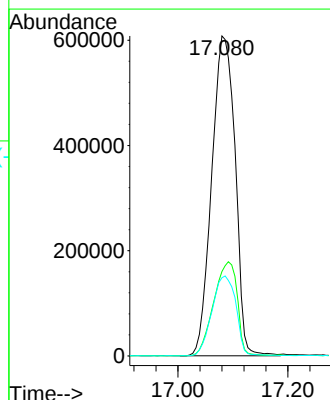
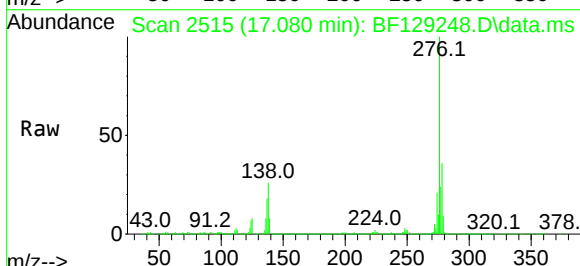
Tgt Ion:276 Resp: 1799275

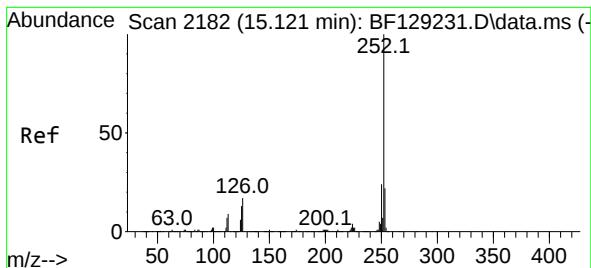
Ion Ratio Lower Upper

276 100

138 29.5 21.1 31.7

277 25.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 59.119 ng m

RT: 15.127 min Scan# 2182

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion:252 Resp: 1661798

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

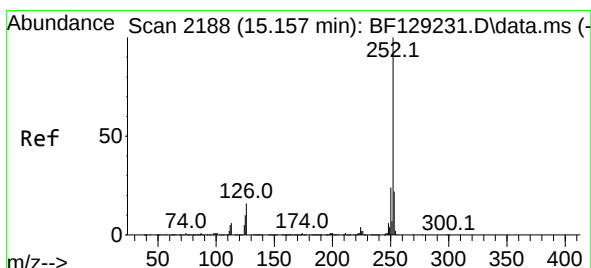
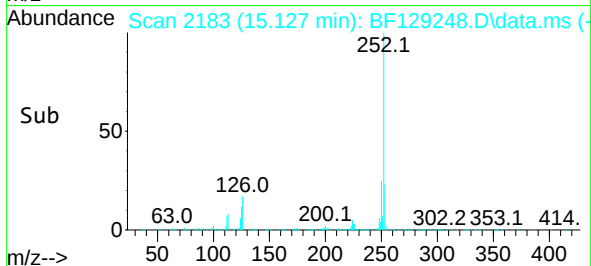
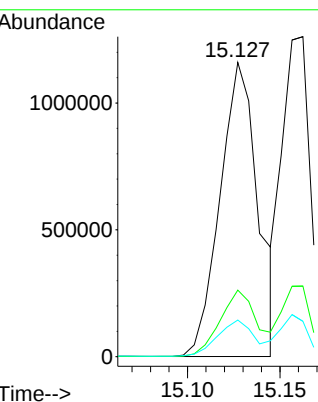
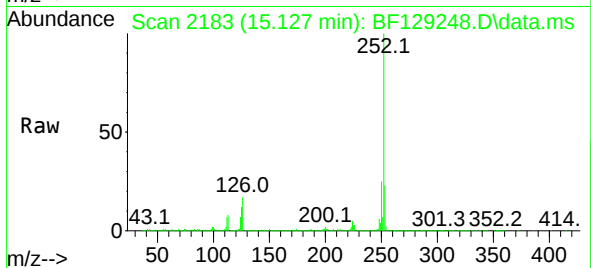
125 12.5 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#89

Benzo(k)fluoranthene

Concen: 49.688 ng

RT: 15.162 min Scan# 2189

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

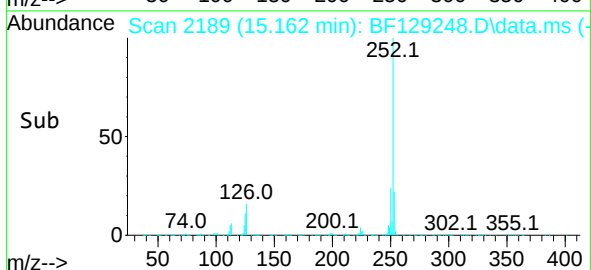
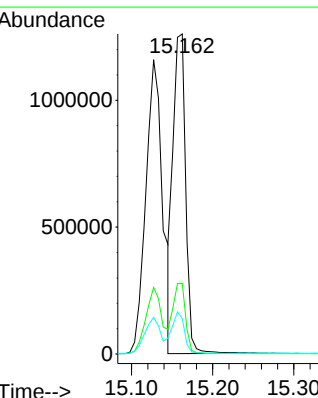
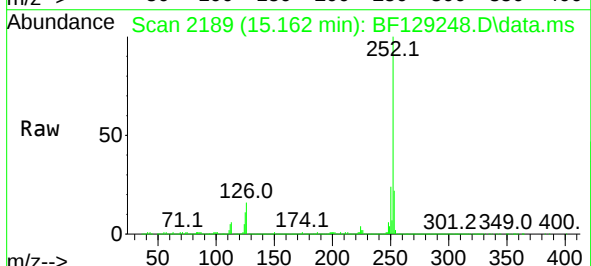
Tgt Ion:252 Resp: 1364581

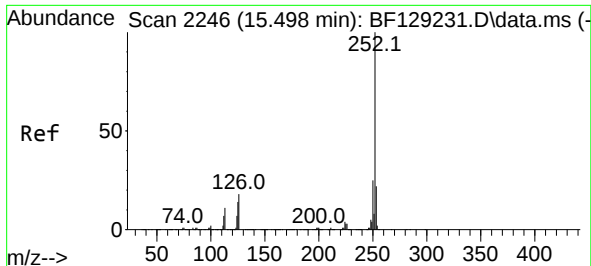
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

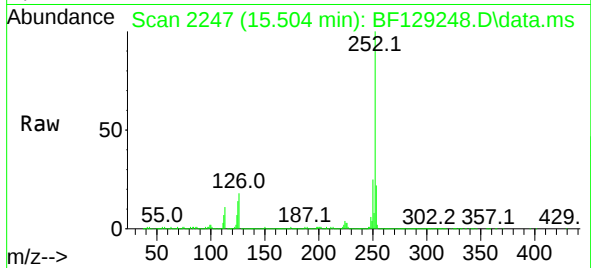
125 11.0 8.3 12.5





#90
Benzo(a)pyrene
Concen: 60.646 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

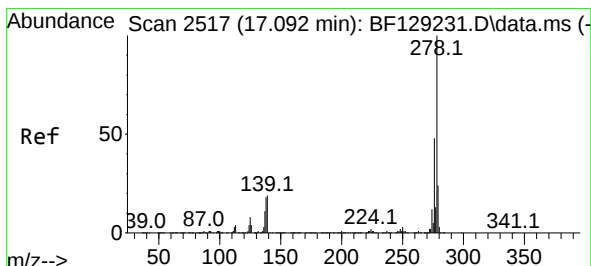
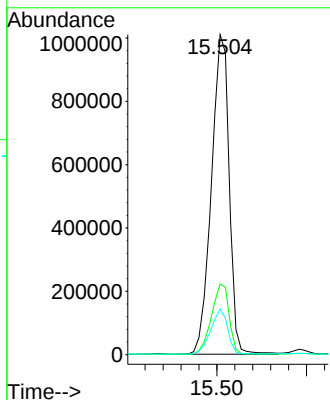
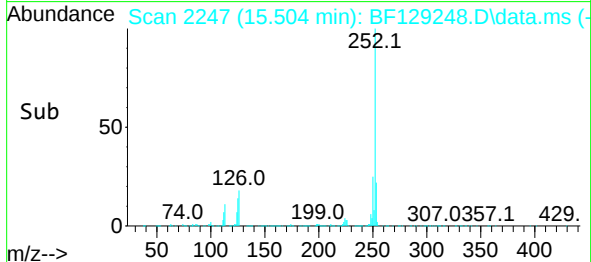
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



Tgt Ion:252 Resp: 1387799
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 14.2 8.8 13.2

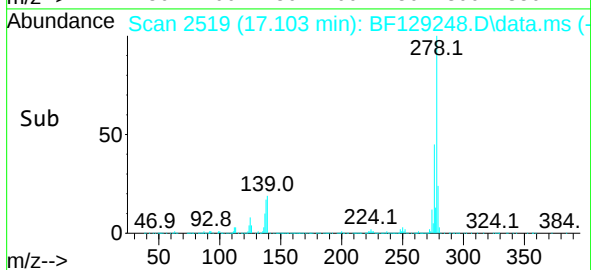
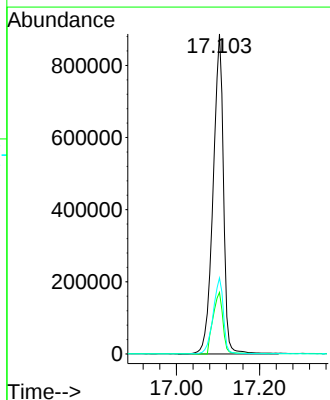
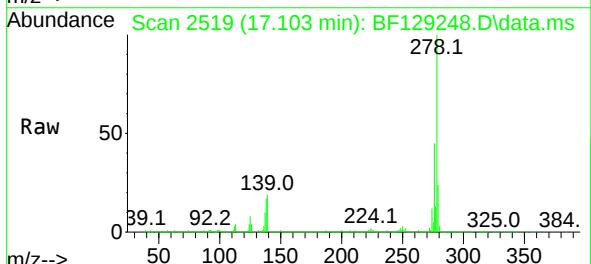
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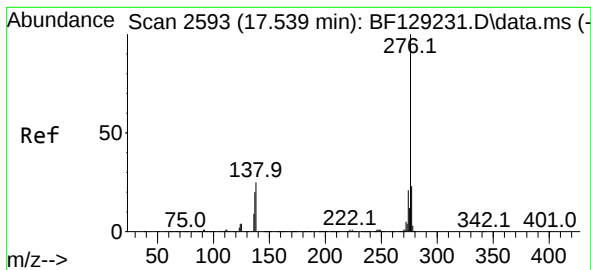
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#91
Dibenzo(a,h)anthracene
Concen: 66.452 ng
RT: 17.103 min Scan# 2519
Delta R.T. 0.012 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

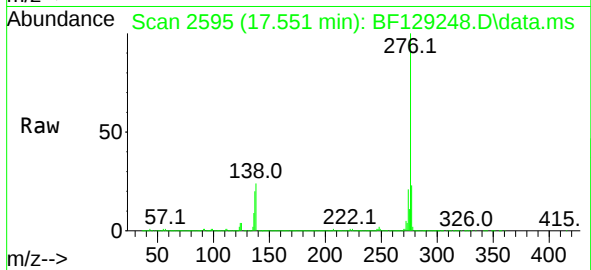
Tgt Ion:278 Resp: 1533621
Ion Ratio Lower Upper
278 100
139 19.3 12.8 19.2#
279 23.8 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 67.082 ng
 RT: 17.551 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS



Tgt Ion: 276 Resp: 158252

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	23.8	18.0	27.0

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Reviewed By : Christian Giraldo 07/18/2022
 Supervised By : Jagrut Upadhyay 07/18/2022

