

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
 Data File : BF129249.D
 Acq On : 15 Jul 2022 20:58
 Operator : CG\JU
 Sample : N3697-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMSD

Quant Time: Jul 16 01:43:14 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	246989	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	1000885	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	509990	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	794624	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	471490	20.000	ng	# 0.00
86) Perylene-d12	15.562	264	462190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1821722	117.794	ng	0.02
7) Phenol-d6	6.534	99	2221126	111.045	ng	0.00
23) Nitrobenzene-d5	7.469	82	1666038	88.979	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	618516	130.666	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2617127	86.942	ng	0.00
79) Terphenyl-d14	13.015	244	2146116	85.150	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	341347	48.448	ng	91
3) Pyridine	3.546	79	855367	47.207	ng	92
4) n-Nitrosodimethylamine	3.498	42	468319	54.718	ng	93
6) Aniline	6.569	93	1024103	43.580	ng	98
8) 2-Chlorophenol	6.686	128	917005	56.312	ng	98
9) Benzaldehyde	6.451	77	459346	37.421	ng	99
10) Phenol	6.545	94	992103m	49.378	ng	
11) bis(2-Chloroethyl)ether	6.634	93	985995	60.507	ng	96
12) 1,3-Dichlorobenzene	6.839	146	957158	55.271	ng	98
13) 1,4-Dichlorobenzene	6.916	146	966108	55.157	ng	98
14) 1,2-Dichlorobenzene	7.069	146	929518	56.934	ng	99
15) Benzyl Alcohol	7.045	79	855148	64.195	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1488816	57.339	ng	96
17) 2-Methylphenol	7.151	107	744598	54.396	ng	99
18) Hexachloroethane	7.410	117	377669	57.707	ng	# 88
19) n-Nitroso-di-n-propyla...	7.316	70	683564	58.102	ng	95
20) 3+4-Methylphenols	7.304	107	890400	52.925	ng	90
22) Acetophenone	7.310	105	1245749	53.934	ng	# 95
24) Nitrobenzene	7.486	77	1009470	56.675	ng	94
25) Isophorone	7.722	82	1905443	60.550	ng	100
26) 2-Nitrophenol	7.798	139	497145	55.565	ng	95
27) 2,4-Dimethylphenol	7.833	122	894283	64.280	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	1179334	56.261	ng	99
29) 2,4-Dichlorophenol	8.039	162	738831	53.419	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	758880	52.878	ng	96
31) Naphthalene	8.204	128	2644053	55.757	ng	99
32) Benzoic acid	7.963	122	449891	41.637	ng	# 74
33) 4-Chloroaniline	8.251	127	391431	19.905	ng	96
34) Hexachlorobutadiene	8.316	225	429363	53.179	ng	100
35) Caprolactam	8.686	113	256733m	55.879	ng	
36) 4-Chloro-3-methylphenol	8.739	107	832931	55.205	ng	94
37) 2-Methylnaphthalene	8.898	142	1769416	57.249	ng	99
38) 1-Methylnaphthalene	8.998	142	1661368	55.582	ng	98
40) 1,2,4,5-Tetrachloroben...	9.063	216	692154	54.588	ng	98
41) Hexachlorocyclopentadiene	9.045	237	542649	85.046	ng	98
43) 2,4,6-Trichlorophenol	9.175	196	498974	53.442	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.222	196	524353	53.092	ng	# 94
46) 1,1'-Biphenyl	9.363	154	1967772	54.552	ng	99
47) 2-Chloronaphthalene	9.386	162	1545857	54.409	ng	98
48) 2-Nitroaniline	9.486	65	550325	57.653	ng	95
49) Acenaphthylene	9.810	152	2326359	54.401	ng	100
50) Dimethylphthalate	9.669	163	1839003	55.568	ng	99
51) 2,6-Dinitrotoluene	9.727	165	423974	59.203	ng	88
52) Acenaphthene	9.980	154	1519812m	54.371	ng	
53) 3-Nitroaniline	9.898	138	247735	28.969	ng	96
54) 2,4-Dinitrophenol	10.004	184	194627	50.708	ng	95
55) Dibenzofuran	10.151	168	2056220	51.820	ng	96
56) 4-Nitrophenol	10.069	139	568745	84.028	ng	95
57) 2,4-Dinitrotoluene	10.133	165	548752	58.435	ng	97
58) Fluorene	10.492	166	1616279	53.554	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.269	232	388973	50.985	ng	# 90
60) Diethylphthalate	10.363	149	1758329	54.941	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	725276	51.876	ng	# 87
62) 4-Nitroaniline	10.516	138	397795	46.986	ng	96
63) Azobenzene	10.645	77	1798295	52.639	ng	96
65) 4,6-Dinitro-2-methylph...	10.539	198	192734	38.389	ng	# 73
66) n-Nitrosodiphenylamine	10.604	169	1462257	57.676	ng	97
67) 4-Bromophenyl-phenylether	10.974	248	467476	55.886	ng	90
68) Hexachlorobenzene	11.045	284	482568	54.960	ng	98
69) Atrazine	11.145	200	432652	61.556	ng	94
70) Pentachlorophenol	11.245	266	523992	100.359	ng	98
71) Phenanthrene	11.463	178	2240096	55.525	ng	100
72) Anthracene	11.516	178	2198394	54.856	ng	99
73) Carbazole	11.669	167	2031623	50.823	ng	99
74) Di-n-butylphthalate	11.986	149	2570365	55.952	ng	97
75) Fluoranthene	12.651	202	2008894	49.997	ng	98
78) Pyrene	12.880	202	1985141	51.983	ng	100
80) Butylbenzylphthalate	13.486	149	928929	54.612	ng	99
81) Benzo(a)anthracene	14.068	228	1523017	51.211	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	206084	27.701	ng	# 96
83) Chrysene	14.104	228	1423815	50.157	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	1349138	59.608	ng	100
85) Di-n-octyl phthalate	14.657	149	1933928	59.573	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	1812420	62.887	ng	97
88) Benzo(b)fluoranthene	15.127	252	1687697m	59.439	ng	
89) Benzo(k)fluoranthene	15.162	252	1405408	50.662	ng	99
90) Benzo(a)pyrene	15.504	252	1409607	60.982	ng	# 95
91) Dibenzo(a,h)anthracene	17.103	278	1546054	66.320	ng	96
92) Benzo(g,h,i)perylene	17.551	276	1578292	66.232	ng	97

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

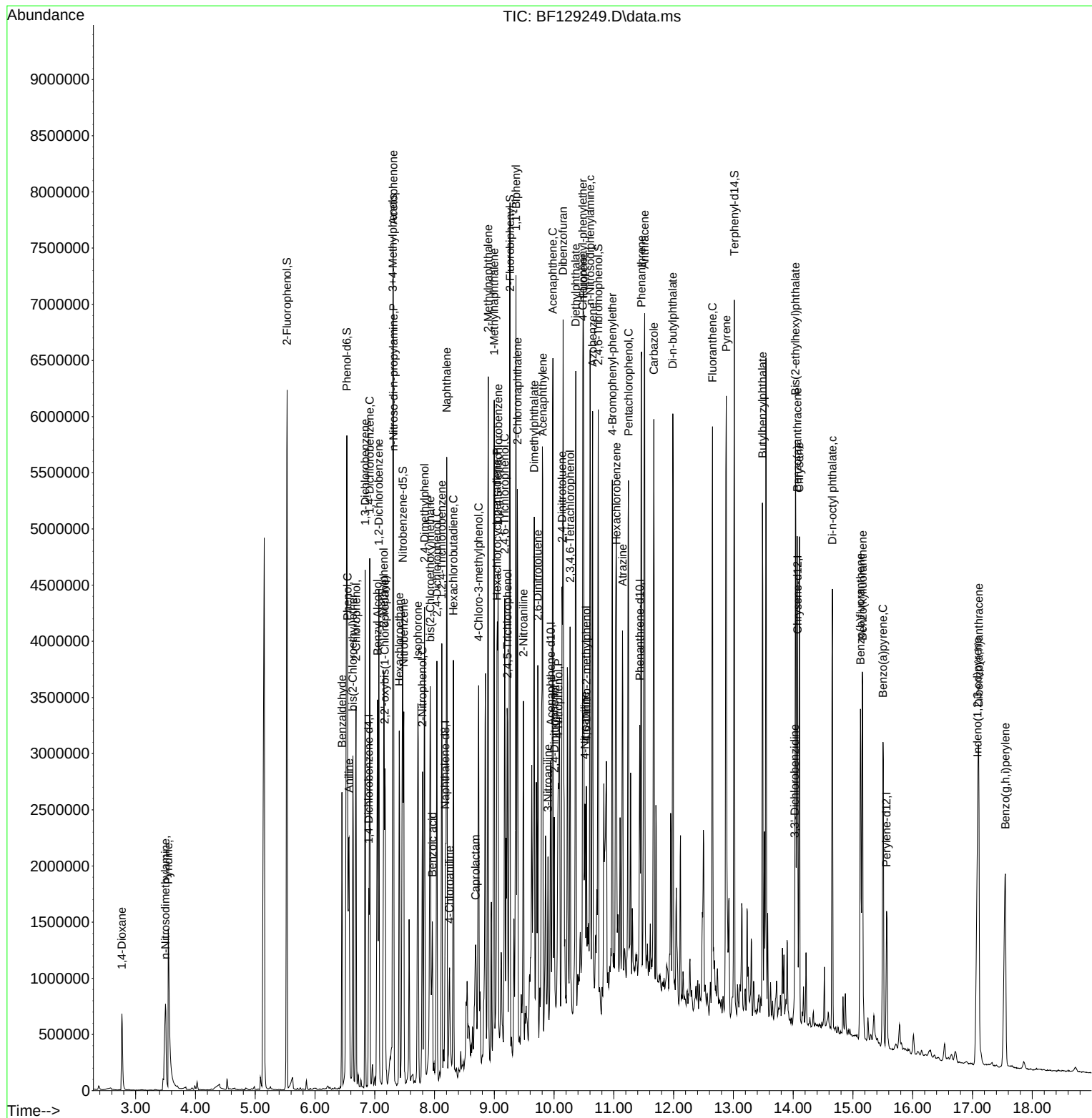
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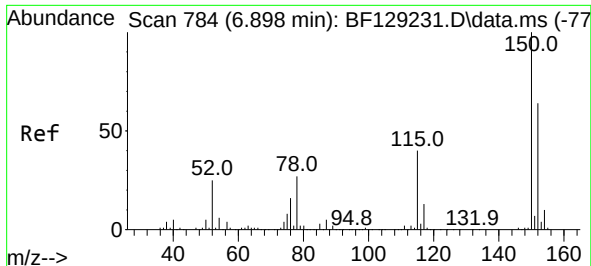
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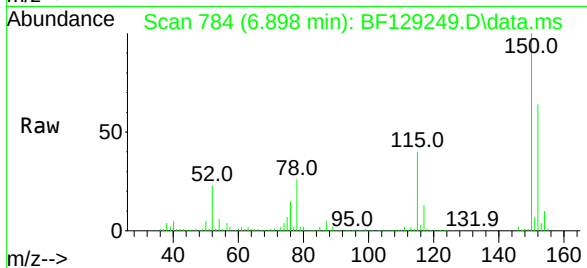
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF129249.D
 Acq: 15 Jul 2022 20:58

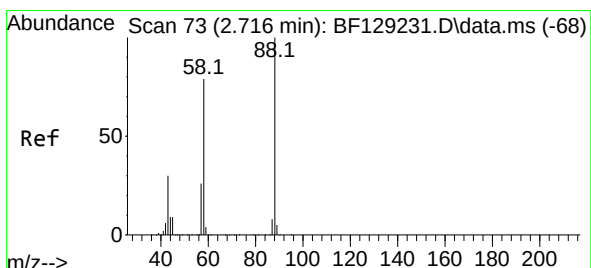
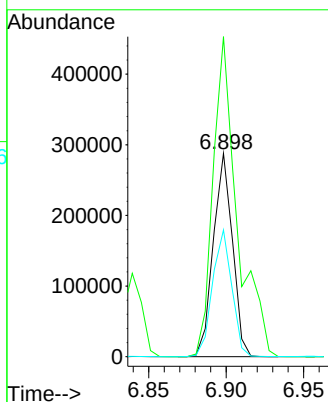
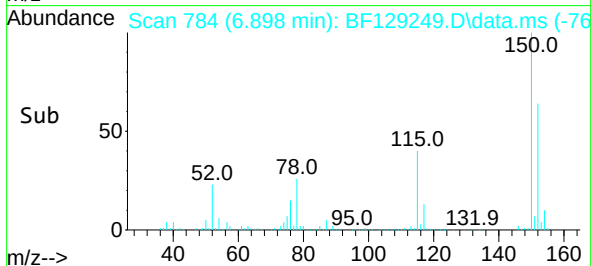
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 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMSD



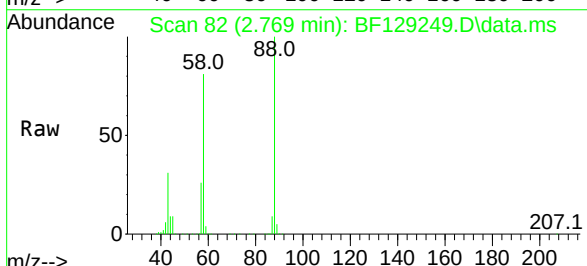
Tgt Ion:152 Resp: 246989
 Ion Ratio Lower Upper
 152 100
 150 157.4 123.7 185.5
 115 62.3 49.9 74.9

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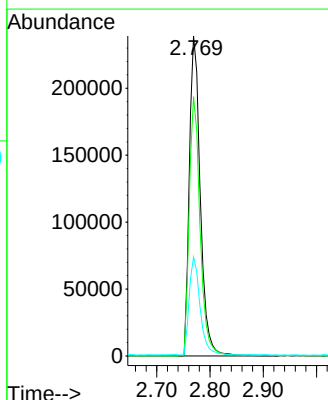
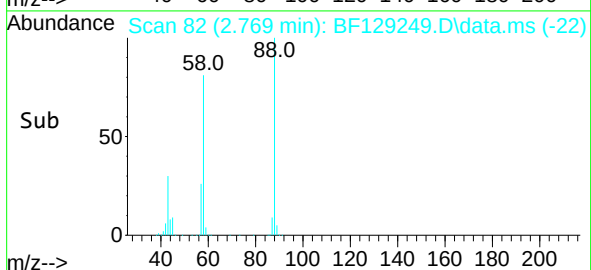
Reviewed By :Christian Giraldo 07/18/2022
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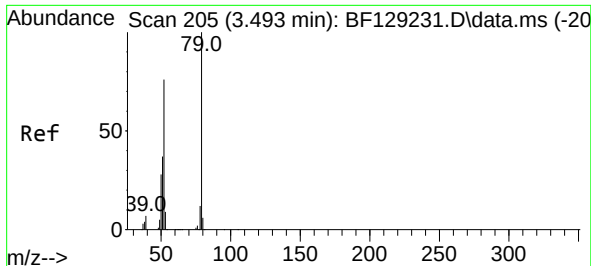


#2
 1,4-Dioxane
 Concen: 48.448 ng
 RT: 2.769 min Scan# 82
 Delta R.T. 0.053 min
 Lab File: BF129249.D
 Acq: 15 Jul 2022 20:58



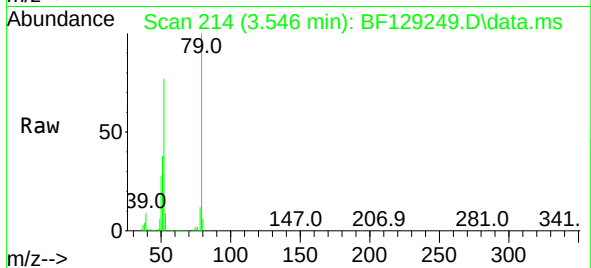
Tgt Ion: 88 Resp: 341347
 Ion Ratio Lower Upper
 88 100
 58 80.0 71.8 107.8
 43 30.4 26.6 39.8





#3
Pyridine
Concen: 47.207 ng
RT: 3.546 min Scan# 214
Delta R.T. 0.053 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

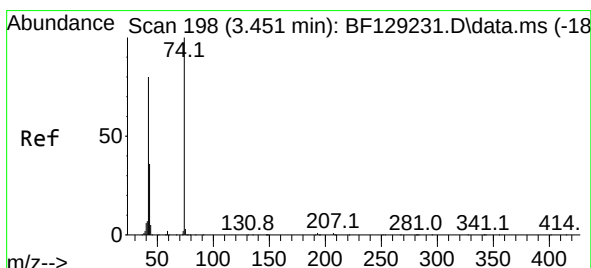
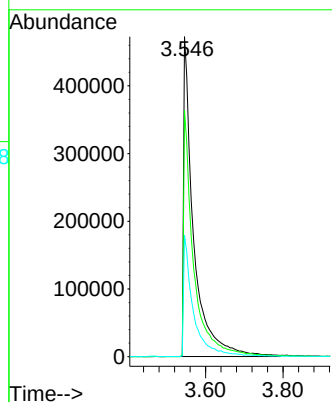
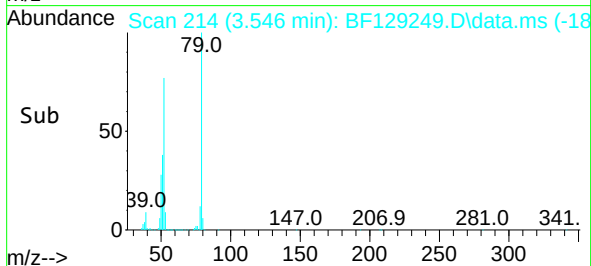
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



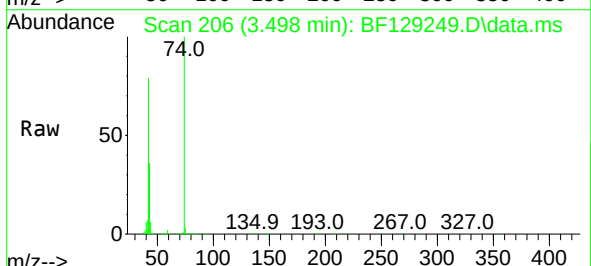
Tgt Ion: 79 Resp: 85536
Ion Ratio Lower Upper
79 100
52 77.0 68.6 102.8
51 38.0 32.9 49.3

Manual Integrations
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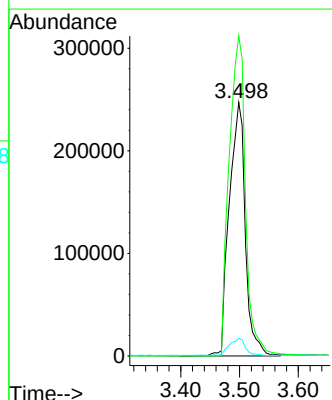
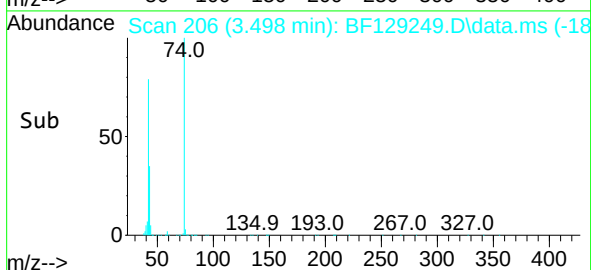
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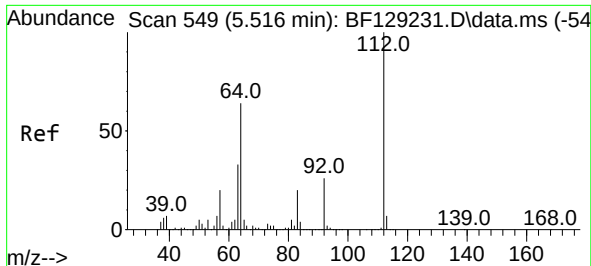


#4
n-Nitrosodimethylamine
Concen: 54.718 ng
RT: 3.498 min Scan# 206
Delta R.T. 0.047 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



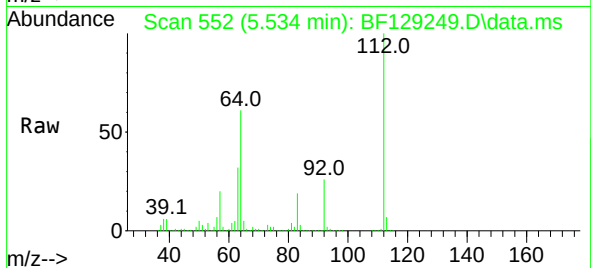
Tgt Ion: 42 Resp: 468319
Ion Ratio Lower Upper
42 100
74 126.2 94.8 142.2
44 7.0 6.6 10.0





#5
2-Fluorophenol
Concen: 117.794 ng
RT: 5.534 min Scan# 511
Delta R.T. 0.018 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

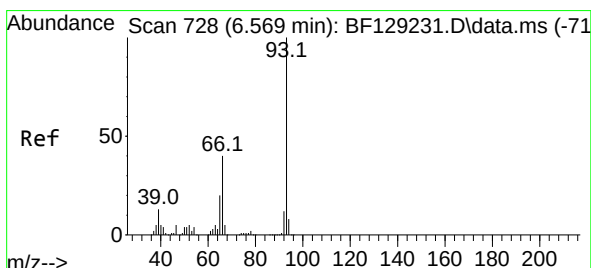
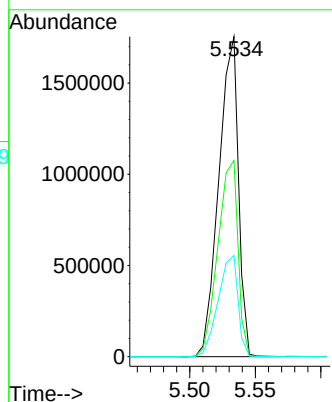
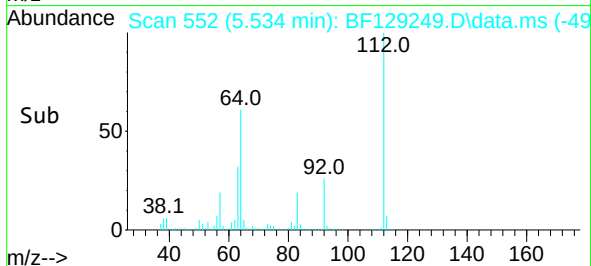
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion: 112 Resp: 182172
Ion Ratio Lower Upper
112 100
64 61.3 53.3 79.9
63 31.6 28.0 42.0

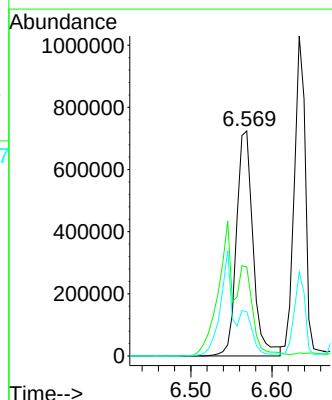
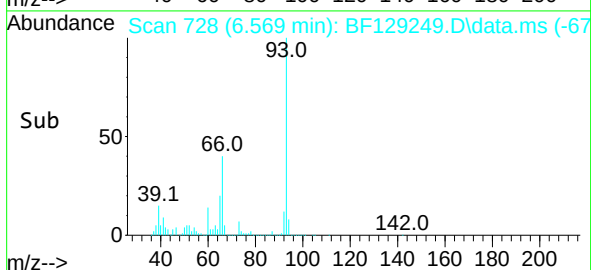
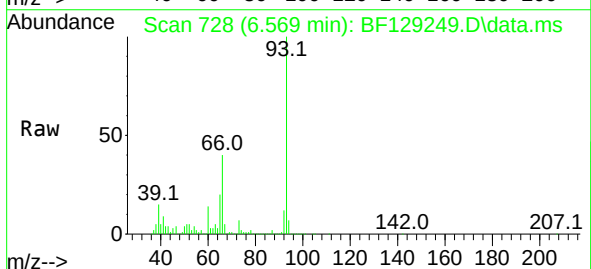
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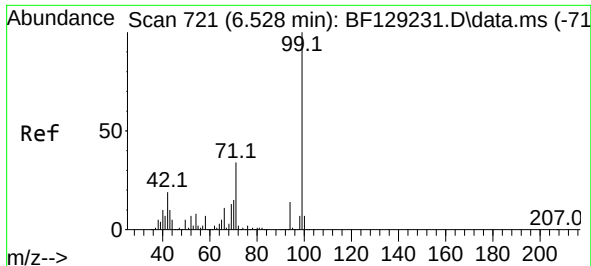
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#6
Aniline
Concen: 43.580 ng
RT: 6.569 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF129249.D
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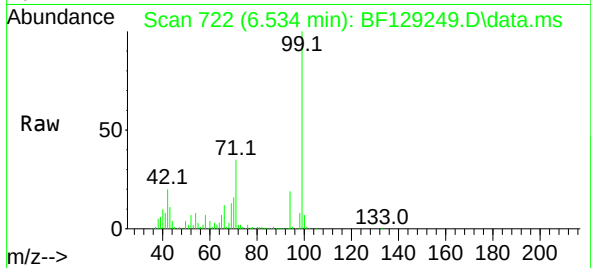
Tgt Ion: 93 Resp: 1024103
Ion Ratio Lower Upper
93 100
66 39.6 32.5 48.7
65 19.7 16.4 24.6





#7
Phenol-d6
Concen: 111.045 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

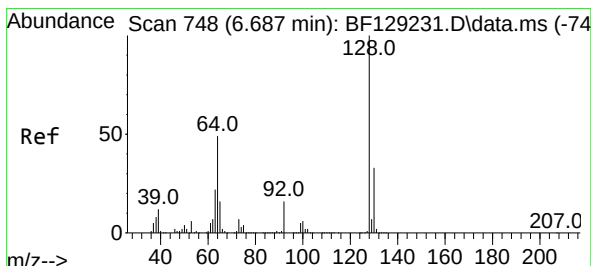
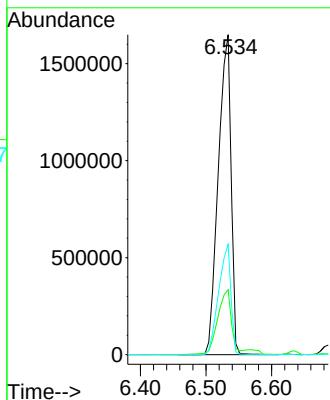
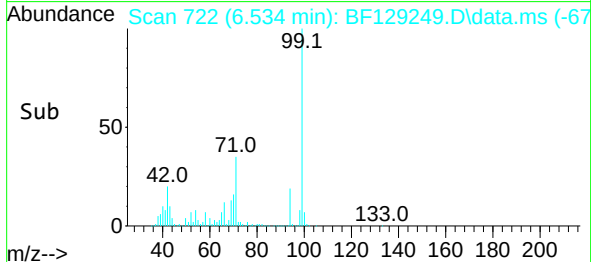
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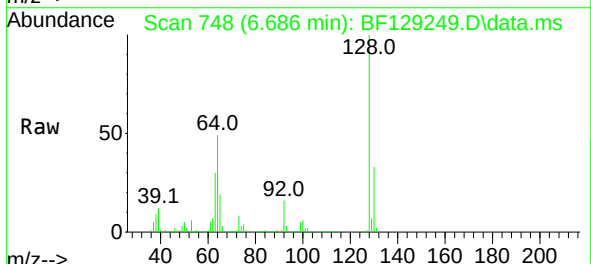
Tgt Ion: 99 Resp: 2221120
Ion Ratio Lower Upper
99 100
42 20.3 17.3 25.9
71 34.5 28.9 43.3

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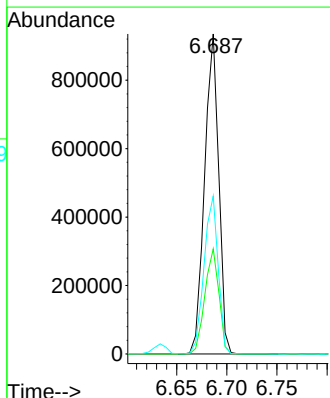
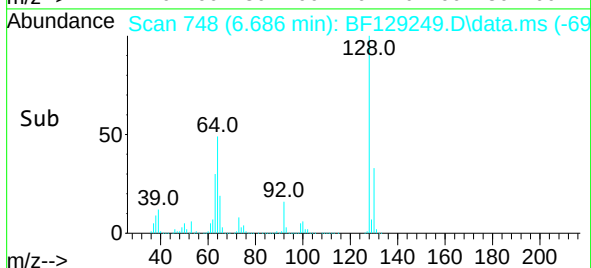
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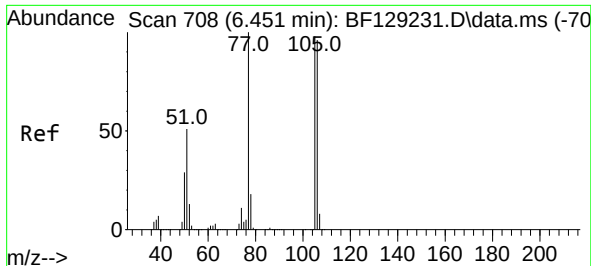


#8
2-Chlorophenol
Concen: 56.312 ng
RT: 6.686 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



Tgt Ion:128 Resp: 917005
Ion Ratio Lower Upper
128 100
130 32.9 13.1 53.1
64 49.4 30.9 70.9





#9

Benzaldehyde

Concen: 37.421 ng

RT: 6.451 min Scan# 708

Delta R.T. -0.000 min

Lab File: BF129249.D

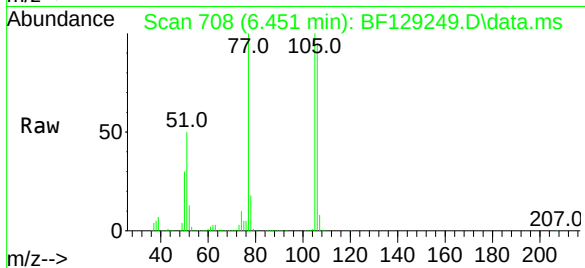
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Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

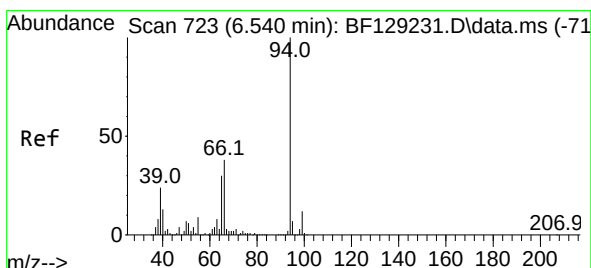
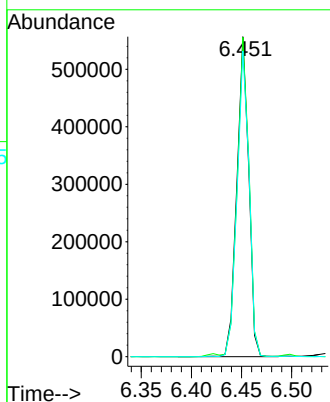
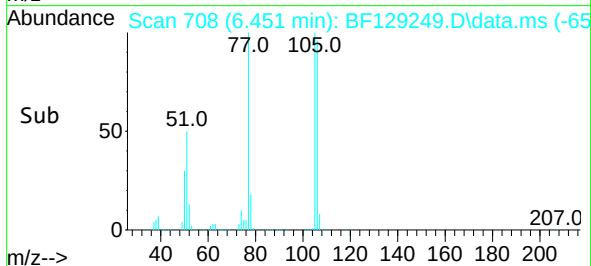


Tgt Ion: 77	Resp: 459340
Ion Ratio	Lower Upper
77 100	
105 99.8	81.6 121.6
106 95.5	76.1 116.1

Manual Integrations

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#10

Phenol

Concen: 49.378 ng m

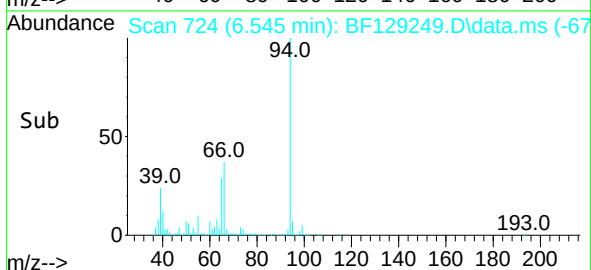
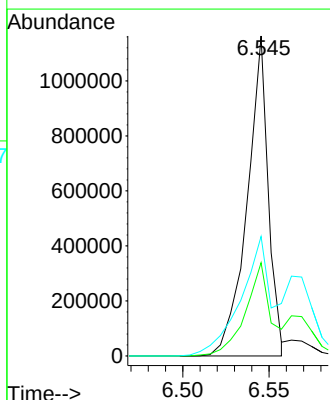
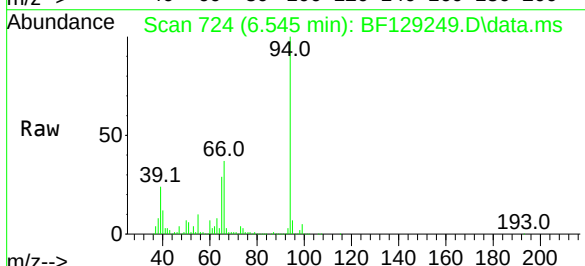
RT: 6.545 min Scan# 724

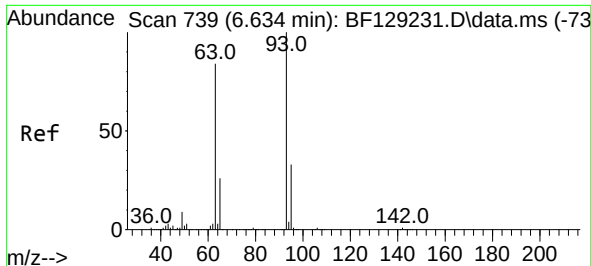
Delta R.T. 0.006 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Tgt Ion: 94	Resp: 992103
Ion Ratio	Lower Upper
94 100	
65 29.1	11.4 51.4
66 37.4	21.4 61.4





#11

bis(2-Chloroethyl)ether

Concen: 60.507 ng

RT: 6.634 min Scan# 739

Delta R.T. -0.000 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

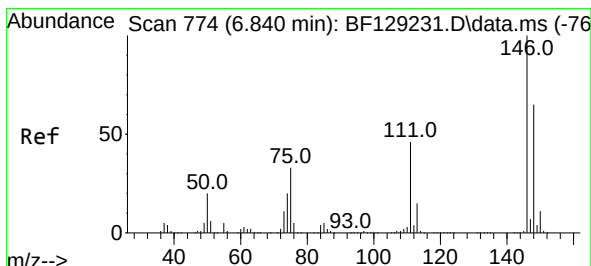
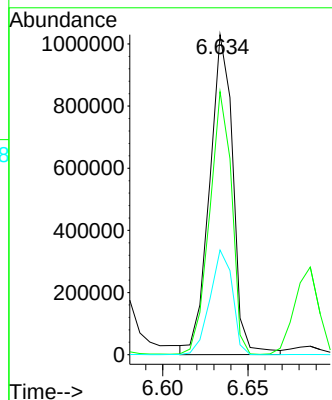
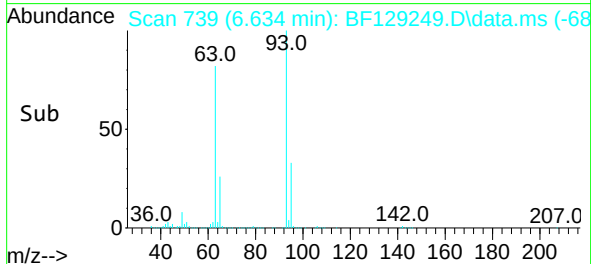
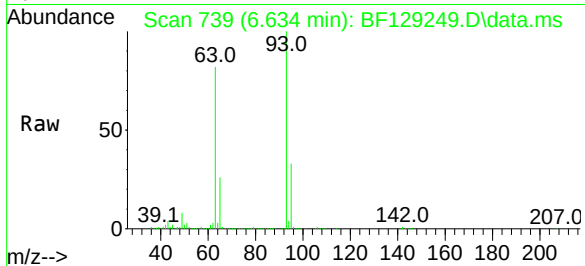
PIPELINE-PIGGING-TK2045LMSD

Tgt Ion: 93	Resp: 98599
Ion Ratio	Lower Upper
93 100	
63 82.2	67.4 107.4
95 32.7	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: 55.271 ng

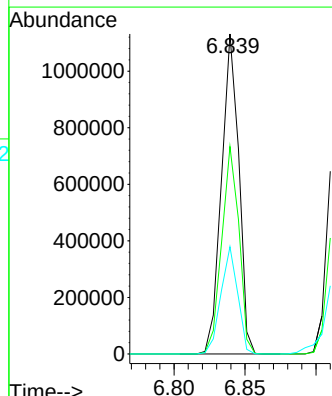
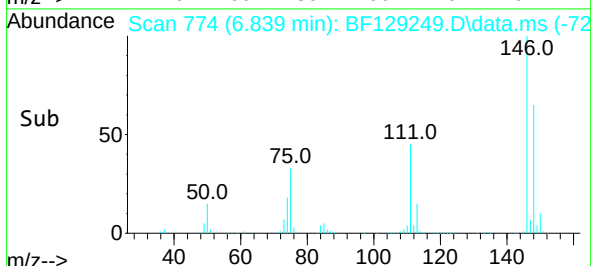
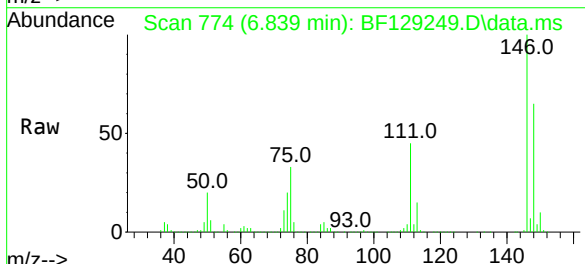
RT: 6.839 min Scan# 774

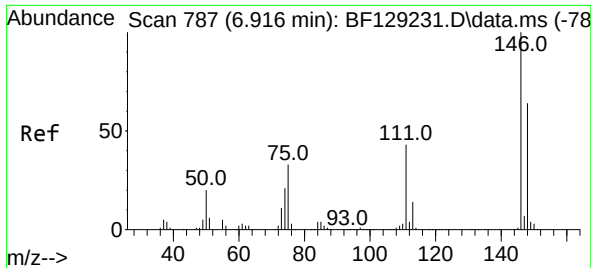
Delta R.T. -0.000 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

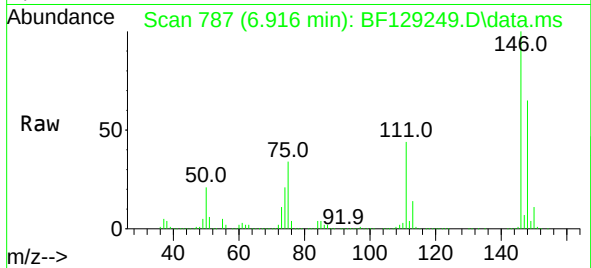
Tgt	Ion:146	Resp:	957158
Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.6	75.8
75	33.5	26.3	39.5





#13
1,4-Dichlorobenzene
Concen: 55.157 ng
RT: 6.916 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

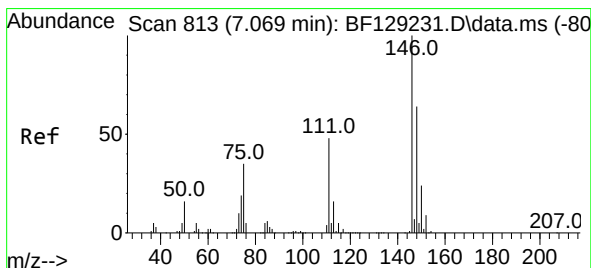
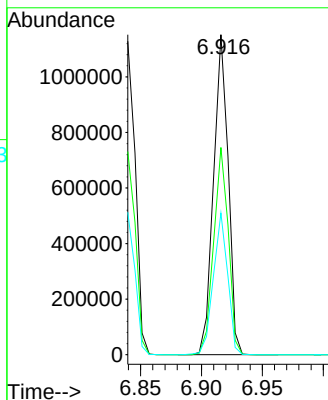
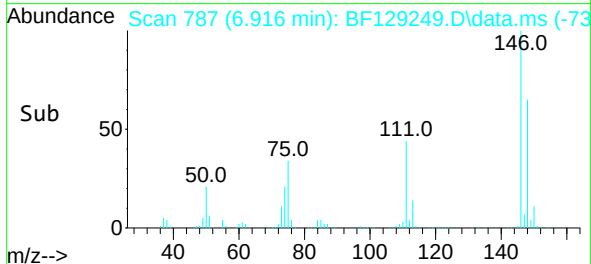
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMSD



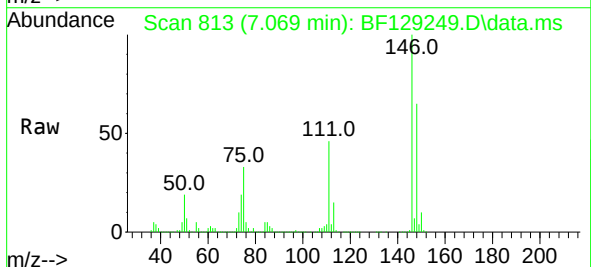
Tgt Ion:146 Resp: 966108
Ion Ratio Lower Upper
146 100
148 64.8 51.1 76.7
111 44.2 34.2 51.4

Manual Integrations
APPROVED

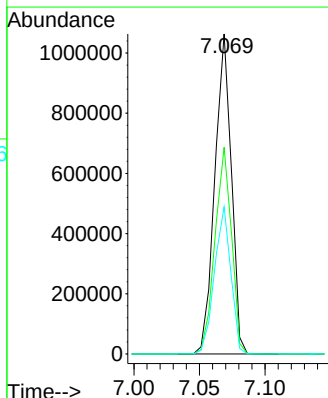
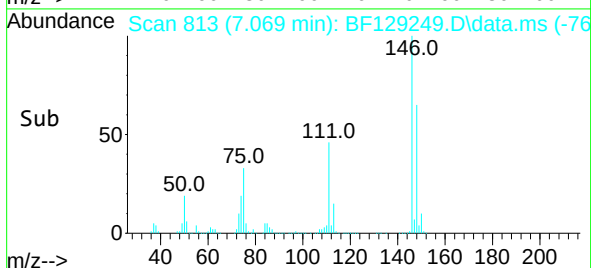
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

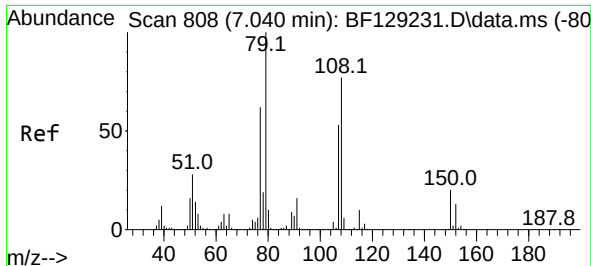


#14
1,2-Dichlorobenzene
Concen: 56.934 ng
RT: 7.069 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



Tgt Ion:146 Resp: 929518
Ion Ratio Lower Upper
146 100
148 64.6 51.8 77.8
111 45.9 35.1 52.7





#15

Benzyl Alcohol

Concen: 64.195 ng

RT: 7.045 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

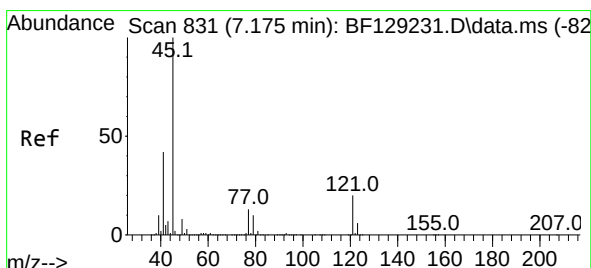
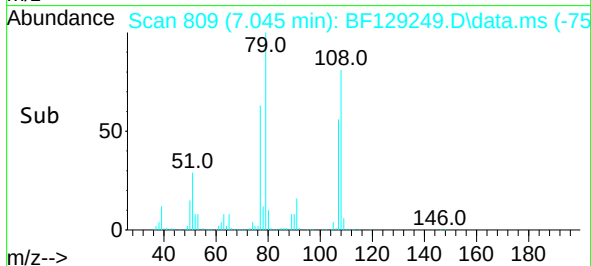
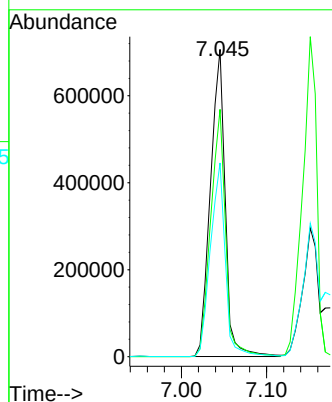
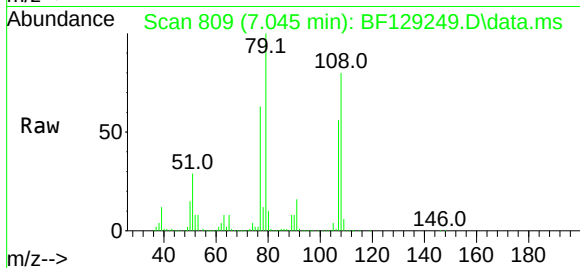
Tgt Ion: 79 Resp: 85514

Ion	Ratio	Lower	Upper
79	100		
108	80.5	61.8	92.6
77	63.0	50.2	75.4

Manual Integrations

APPROVED

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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.339 ng

RT: 7.169 min Scan# 830

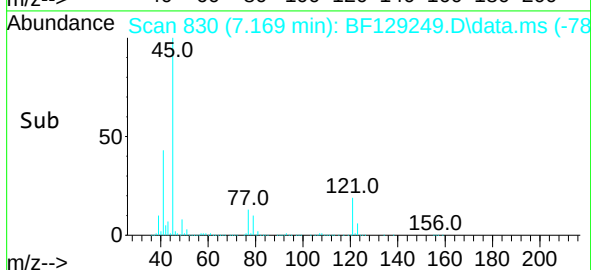
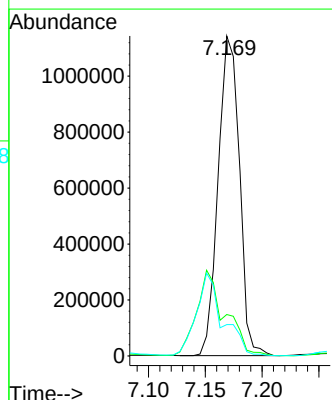
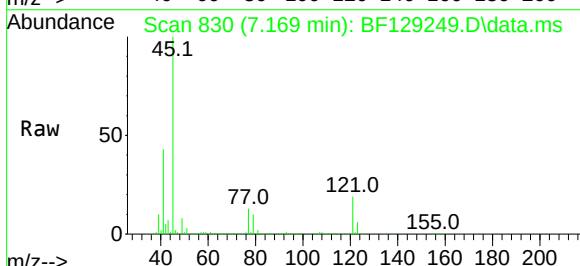
Delta R.T. -0.006 min

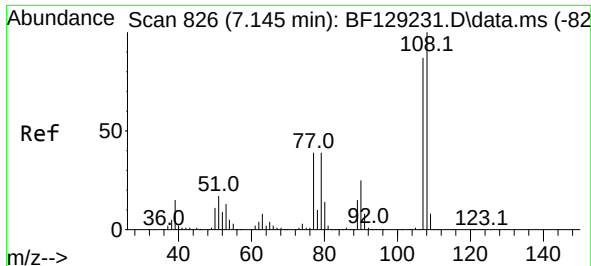
Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Tgt Ion: 45 Resp: 1488816

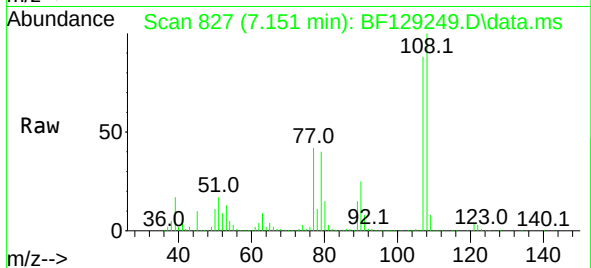
Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	31.3
79	9.8	0.0	28.3





#17
2-Methylphenol
Concen: 54.396 ng
RT: 7.151 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD

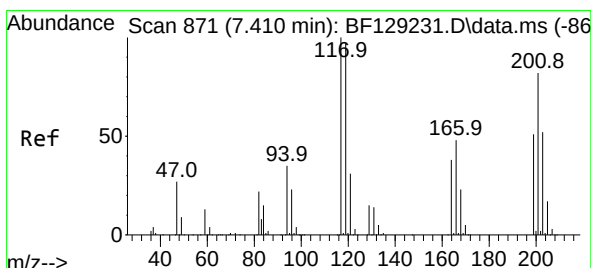
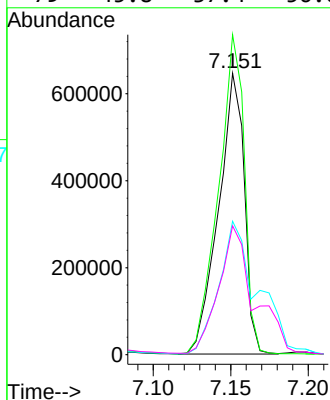
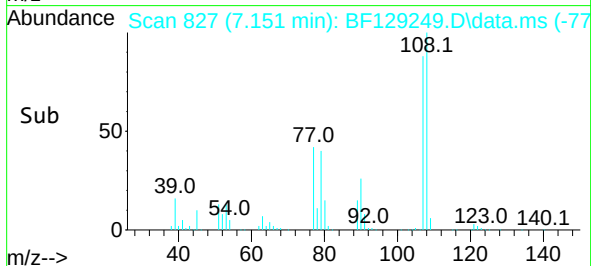


Tgt Ion:107 Resp: 744598

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.9	137.9
77	47.4	37.8	56.8
79	45.8	37.4	56.0

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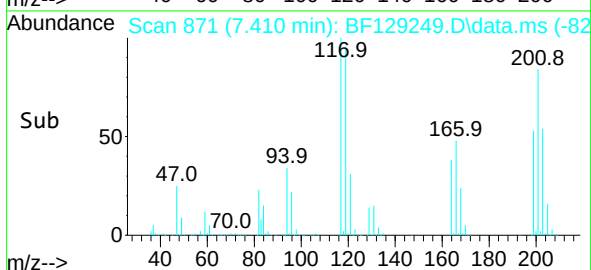
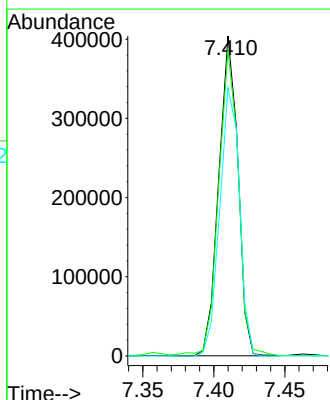
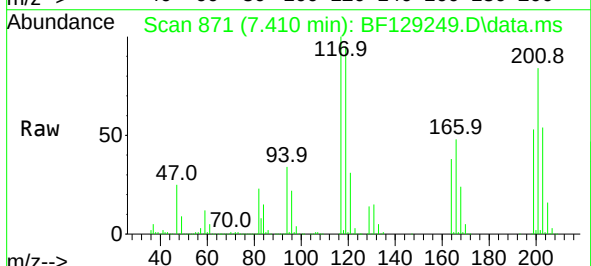
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

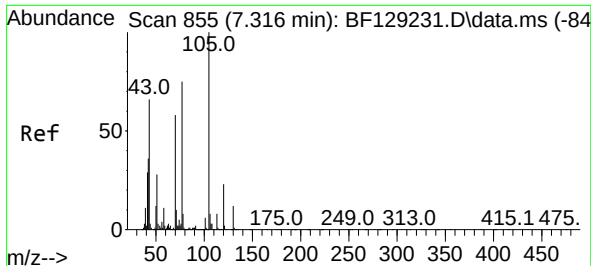


#18
Hexachloroethane
Concen: 57.707 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

Tgt Ion:117 Resp: 377669

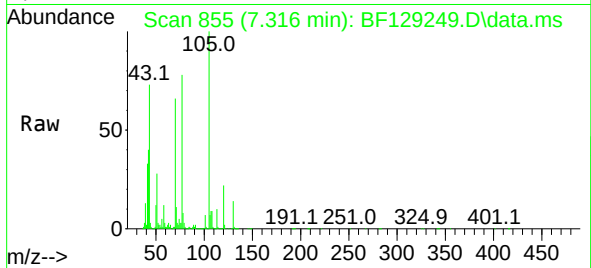
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.2
201	83.8	84.6	127.0





#19
n-Nitroso-di-n-propylamine
Concen: 58.102 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

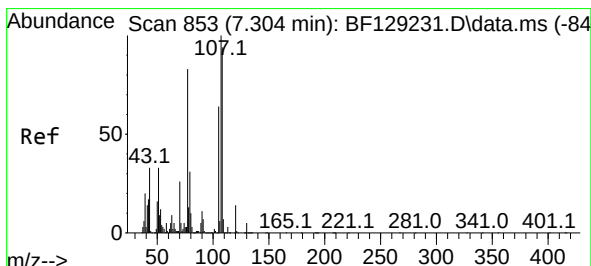
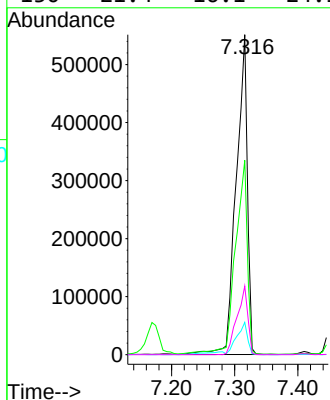
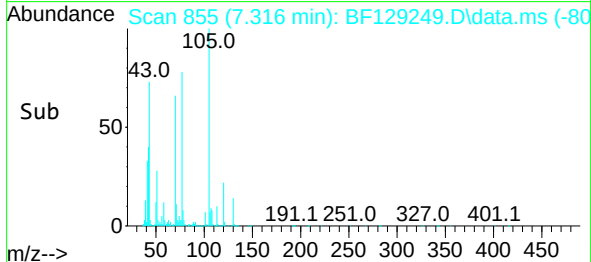
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMSD



Tgt Ion: 70 Resp: 683564
Ion Ratio Lower Upper
70 100
42 60.8 52.3 78.5
101 10.1 7.5 11.3
130 21.4 16.1 24.1

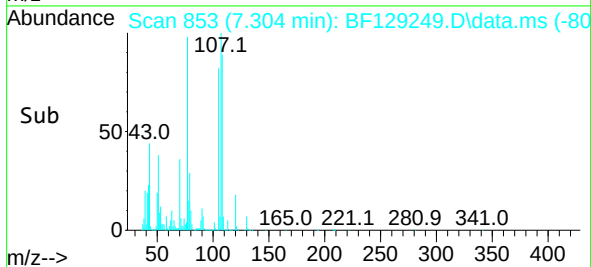
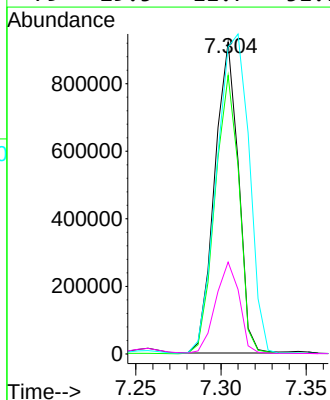
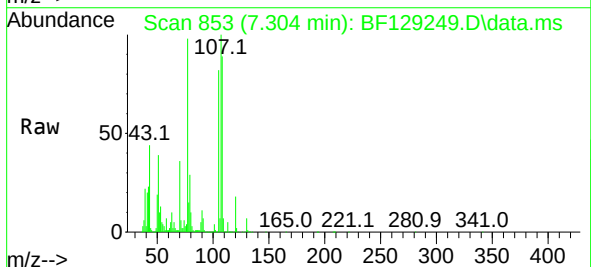
Manual Integrations
APPROVED

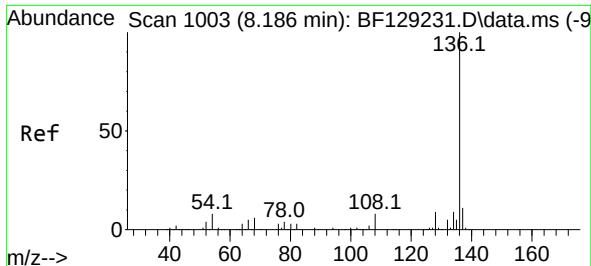
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#20
3+4-Methylphenols
Concen: 52.925 ng
RT: 7.304 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

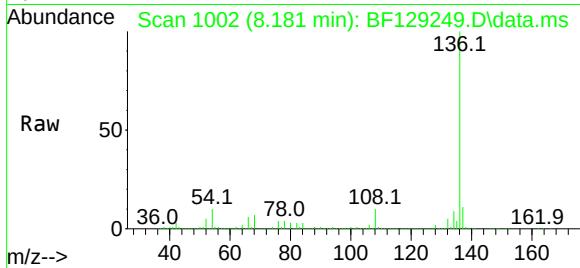
Tgt Ion:107 Resp: 890400
Ion Ratio Lower Upper
107 100
108 89.3 71.8 111.8
77 98.4 59.3 99.3
79 29.5 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

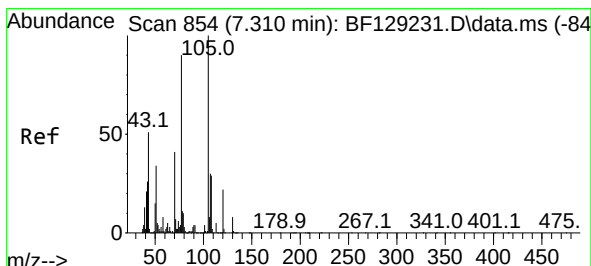
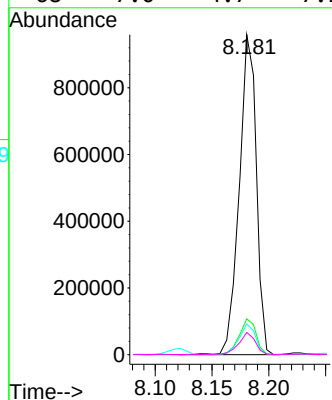
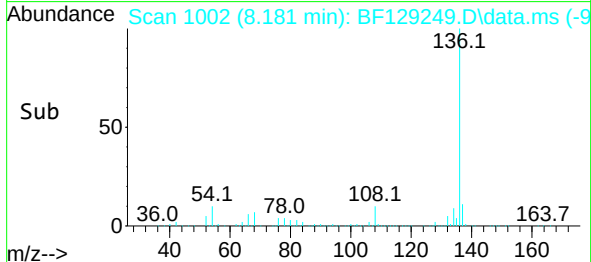
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:136 Resp: 100088
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.6 7.5 11.3
68 7.0 4.7 7.1

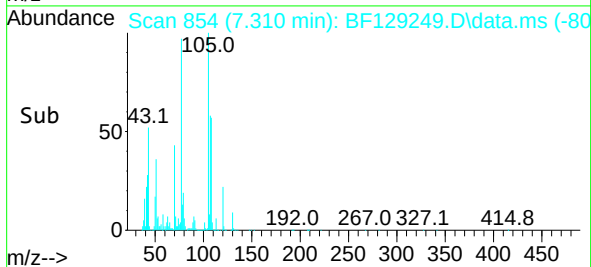
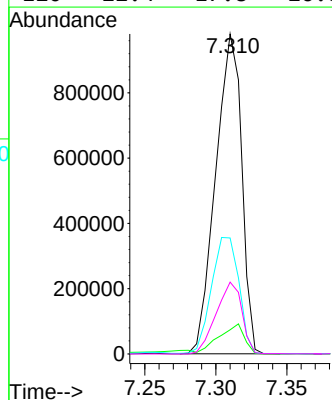
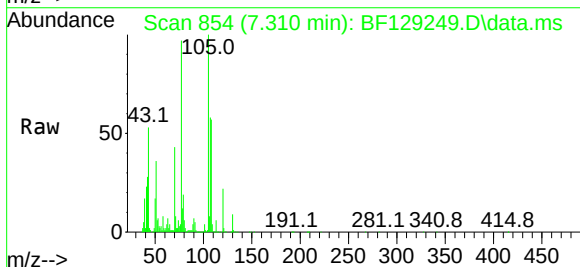
Manual Integrations
APPROVED

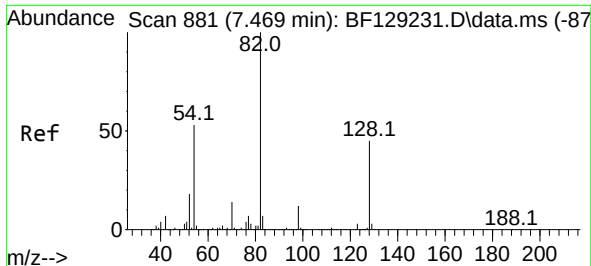
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#22
Acetophenone
Concen: 53.934 ng
RT: 7.310 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

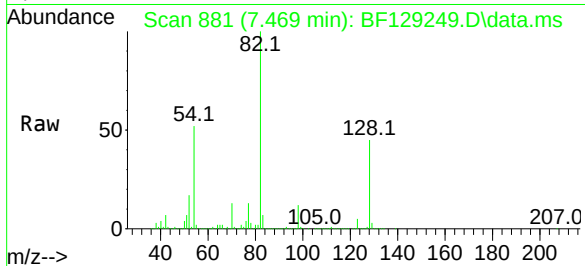
Tgt Ion:105 Resp: 1245749
Ion Ratio Lower Upper
105 100
71 7.5 5.0 7.4#
51 36.3 25.0 37.4
120 22.4 17.8 26.8





#23
Nitrobenzene-d5
Concen: 88.979 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

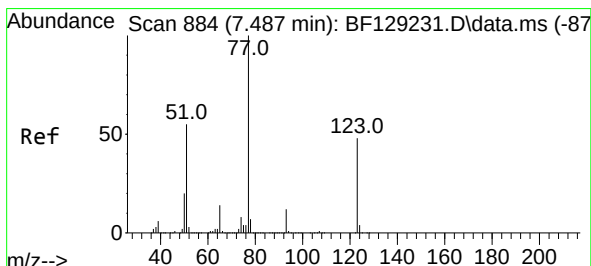
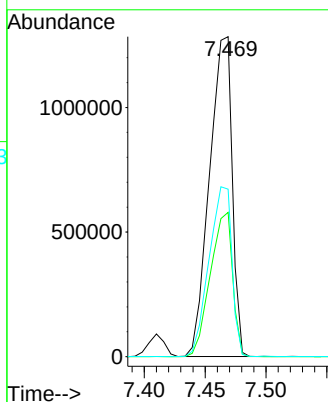
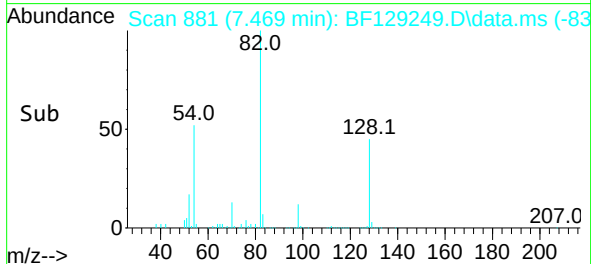
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMSD



Tgt Ion: 82 Resp: 1666038
Ion Ratio Lower Upper
82 100
128 45.1 34.0 51.0
54 52.4 46.9 70.3

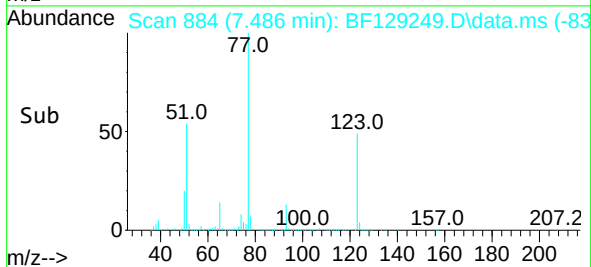
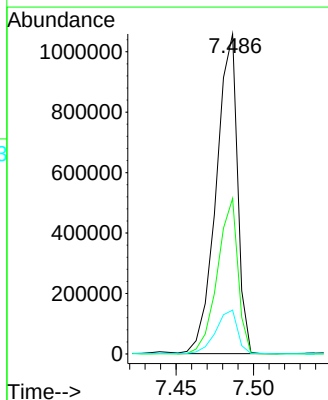
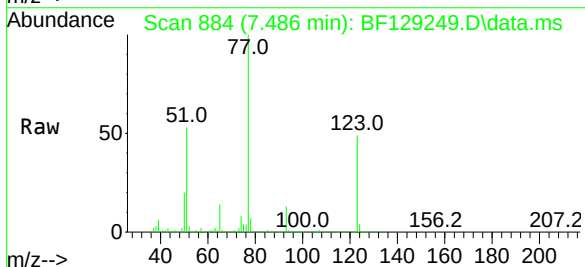
Manual Integrations
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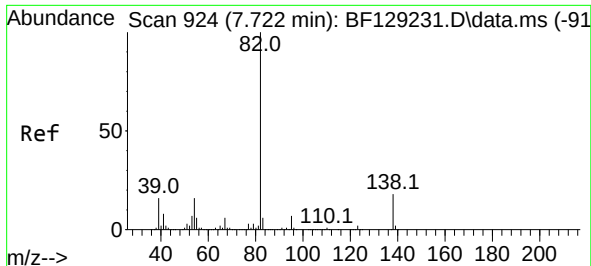
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#24
Nitrobenzene
Concen: 56.675 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

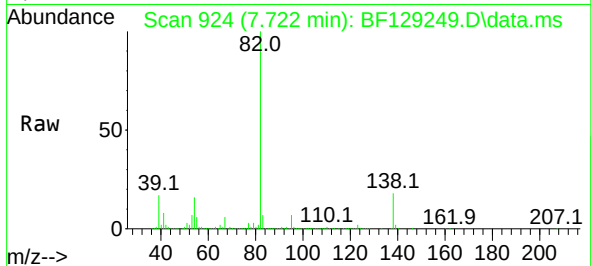
Tgt Ion: 77 Resp: 1009470
Ion Ratio Lower Upper
77 100
123 48.6 35.4 53.2
65 13.7 11.8 17.8





#25
Isophorone
Concen: 60.550 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

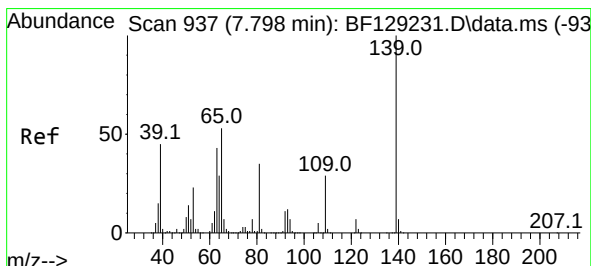
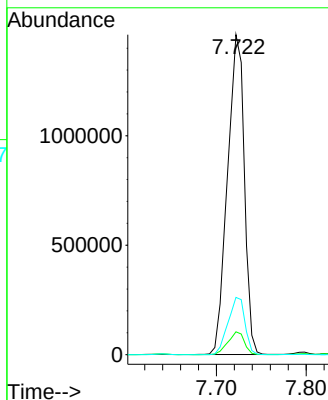
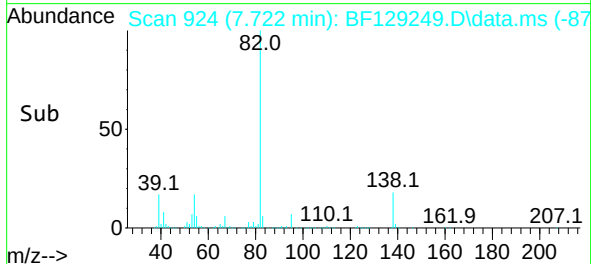
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion: 82 Resp: 190544
Ion Ratio Lower Upper
82 100
95 7.1 5.7 8.5
138 17.9 14.2 21.2

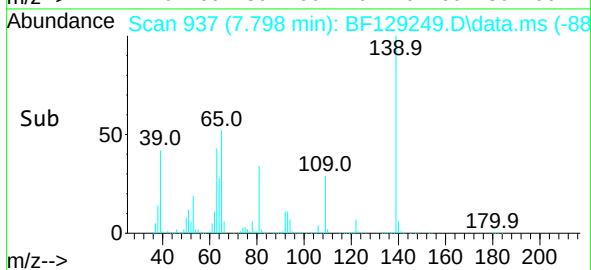
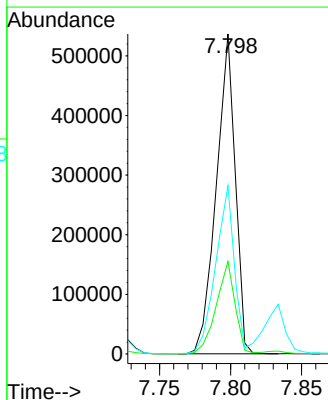
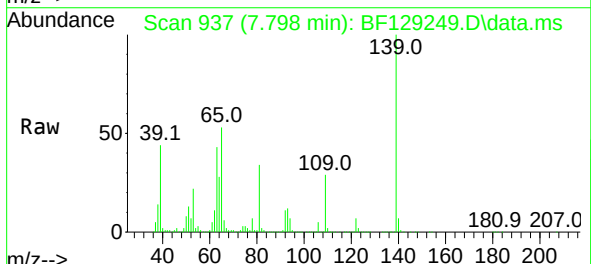
Manual Integrations
APPROVED

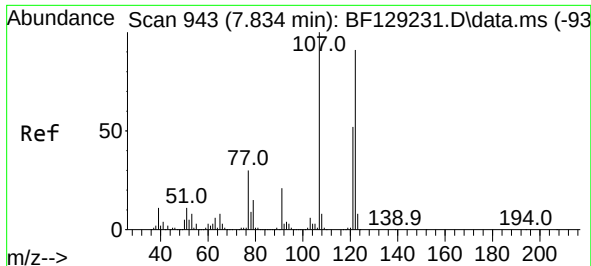
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#26
2-Nitrophenol
Concen: 55.565 ng
RT: 7.798 min Scan# 937
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

Tgt Ion:139 Resp: 497145
Ion Ratio Lower Upper
139 100
109 28.9 25.0 37.4
65 52.6 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 64.280 ng

RT: 7.833 min Scan# 943

Delta R.T. -0.000 min

Lab File: BF129249.D

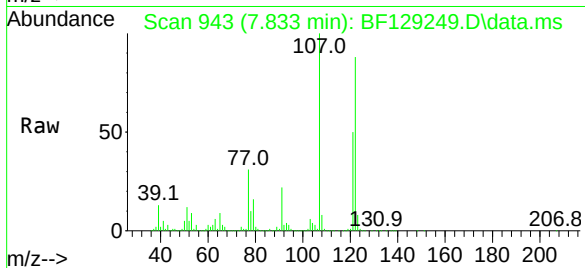
Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

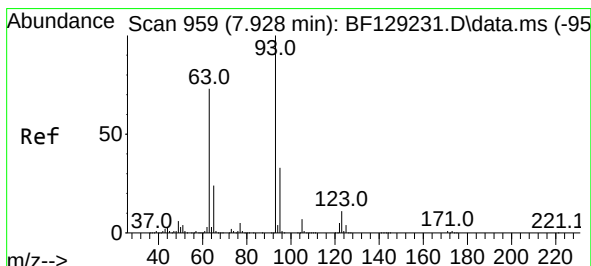
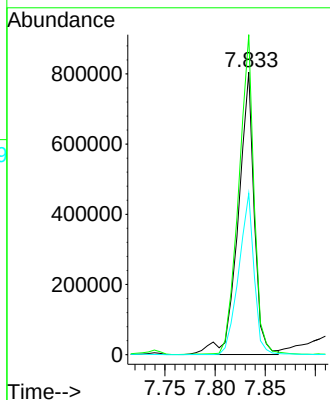
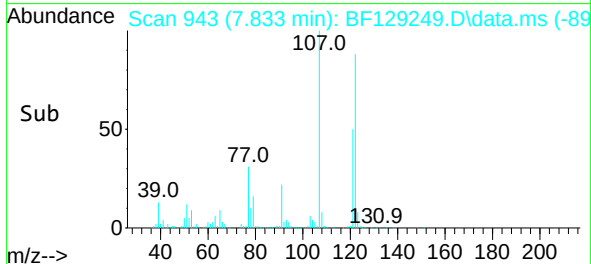


Tgt Ion:	122	Resp:	89428
Ion	Ratio	Lower	Upper
122	100		
107	113.3	93.0	139.6
121	57.1	46.6	70.0

Manual Integrations

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



#28

bis(2-Chloroethoxy)methane

Concen: 56.261 ng

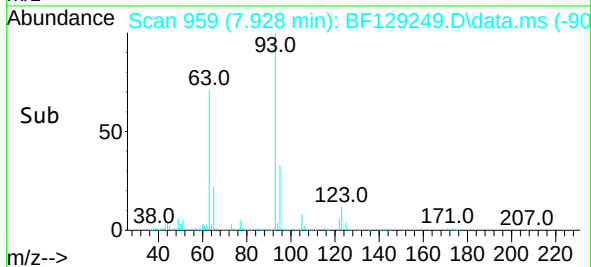
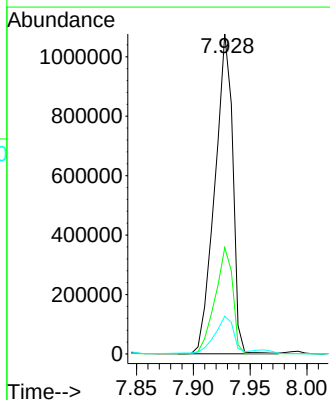
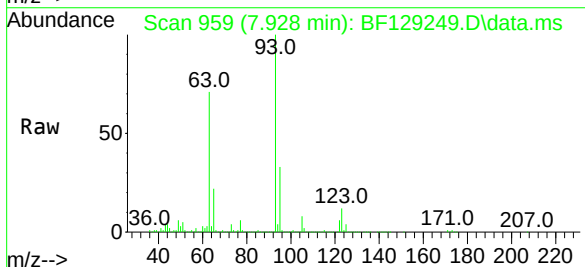
RT: 7.928 min Scan# 959

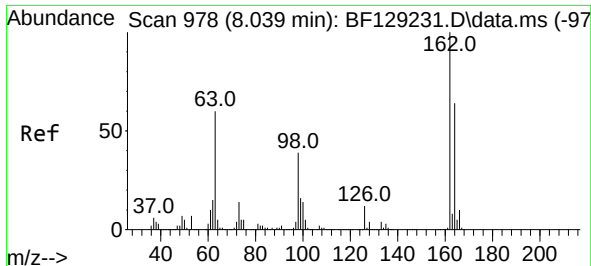
Delta R.T. -0.000 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Tgt Ion:	93	Resp:	1179334
Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.8	40.2
123	11.8	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 53.419 ng

RT: 8.039 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

Tgt Ion:162 Resp: 73883

Ion Ratio Lower Upper

162 100

164 64.7 44.2 84.2

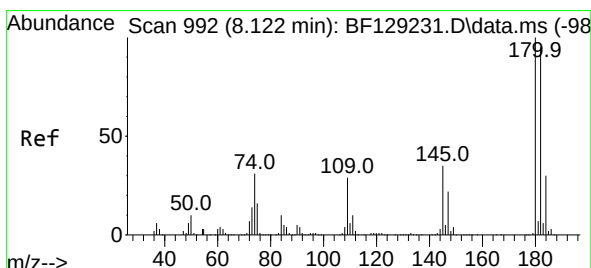
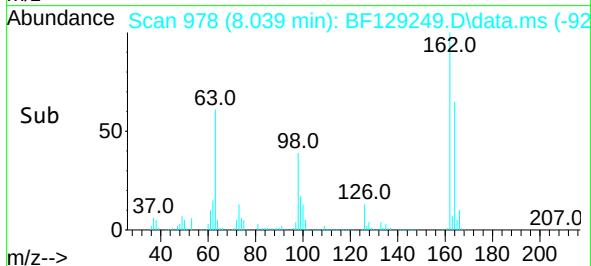
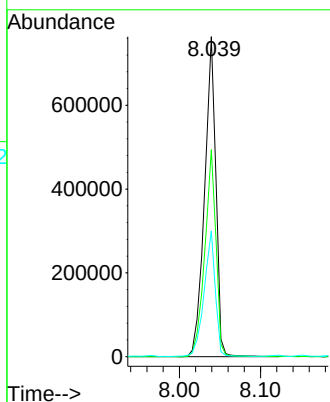
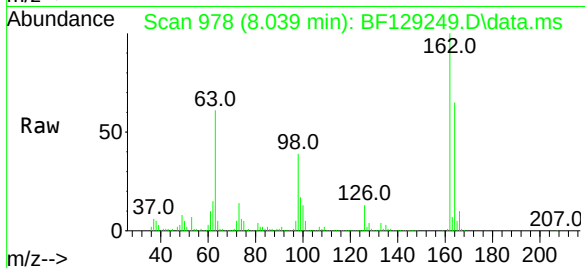
98 39.3 19.6 59.6

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#30

1,2,4-Trichlorobenzene

Concen: 52.878 ng

RT: 8.122 min Scan# 992

Delta R.T. -0.000 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

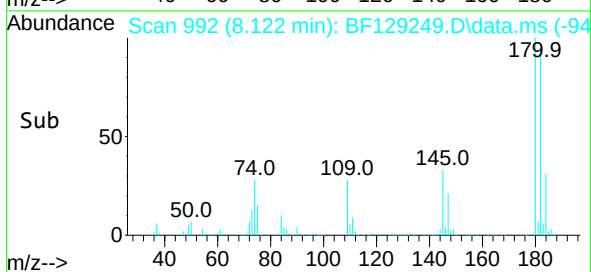
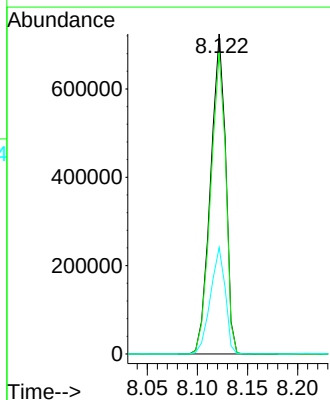
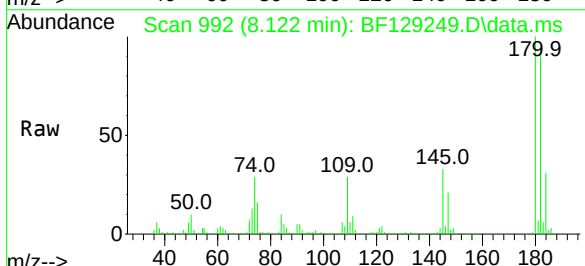
Tgt Ion:180 Resp: 758880

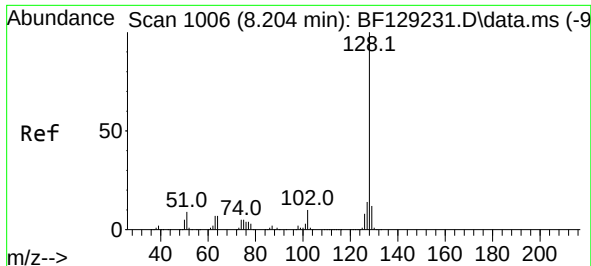
Ion Ratio Lower Upper

180 100

182 94.1 79.2 118.8

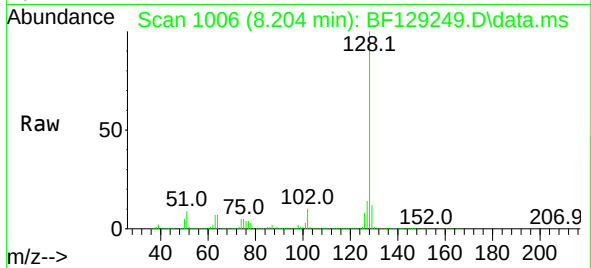
145 33.2 26.2 39.2





#31
Naphthalene
Concen: 55.757 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

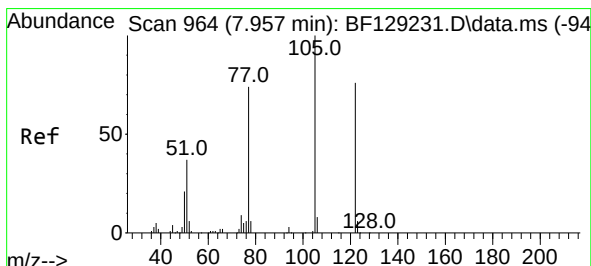
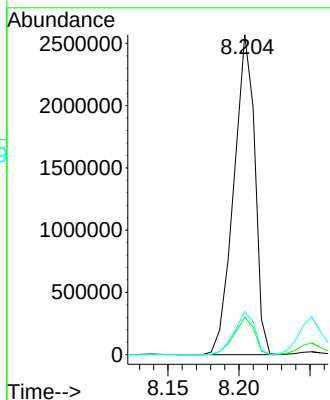
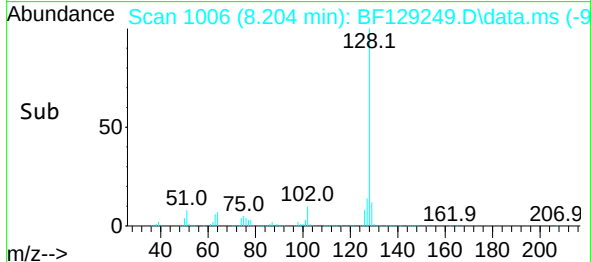
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:128 Resp: 264405
Ion Ratio Lower Upper
128 100
129 11.7 9.2 13.8
127 13.6 10.5 15.7

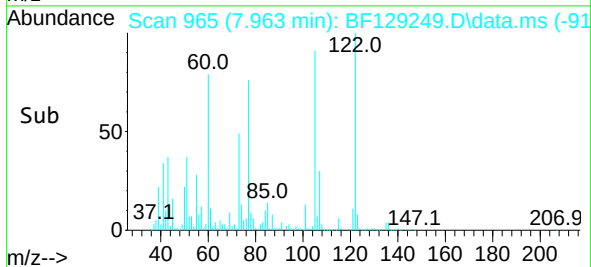
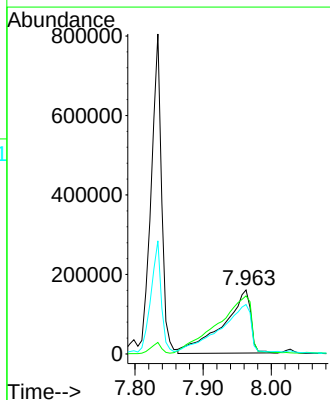
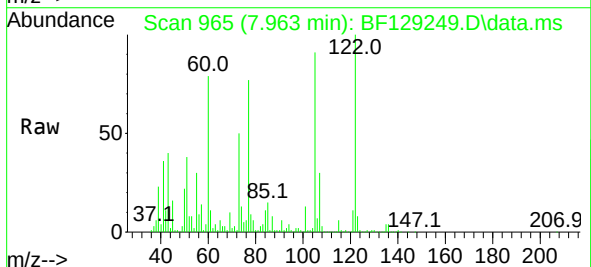
Manual Integrations
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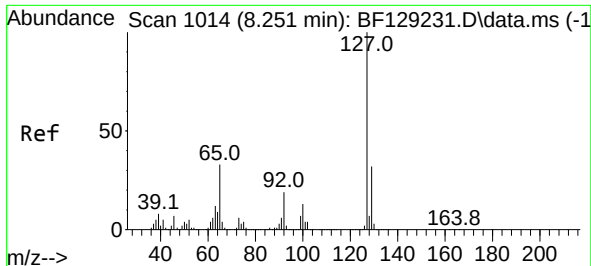
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#32
Benzoic acid
Concen: 41.637 ng
RT: 7.963 min Scan# 965
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

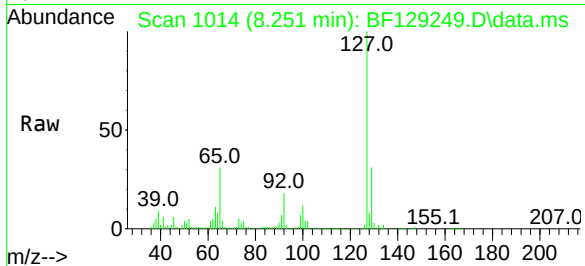
Tgt Ion:122 Resp: 449891
Ion Ratio Lower Upper
122 100
105 90.9 107.1 147.1#
77 77.3 74.2 114.2





#33
4-Chloroaniline
Concen: 19.905 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

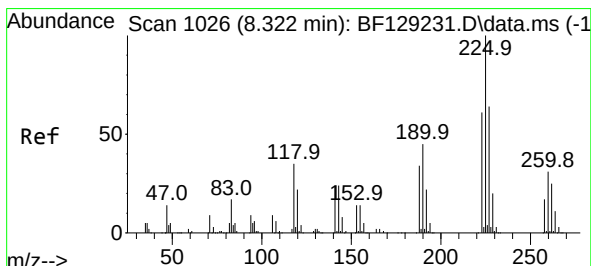
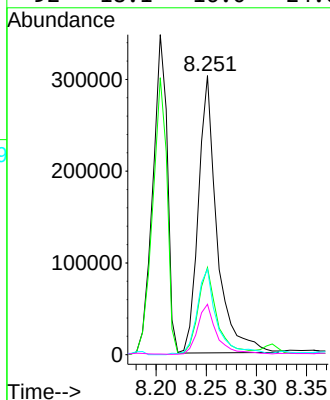
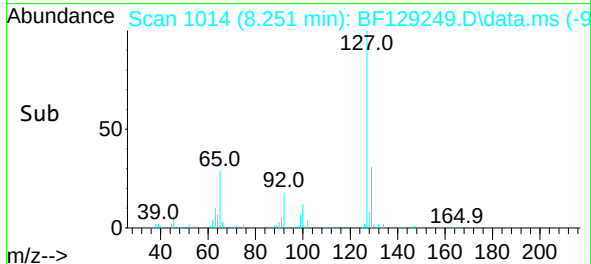
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:127 Resp: 39143
Ion Ratio Lower Upper
127 100
129 31.2 26.4 39.6
65 30.7 26.4 39.6
92 18.1 16.0 24.0

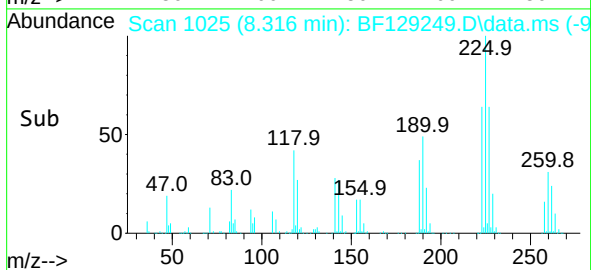
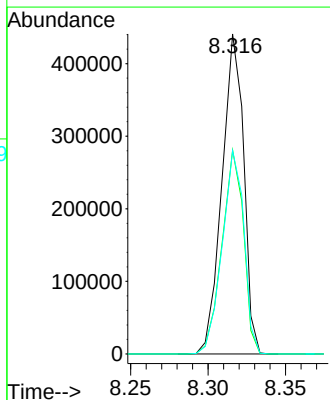
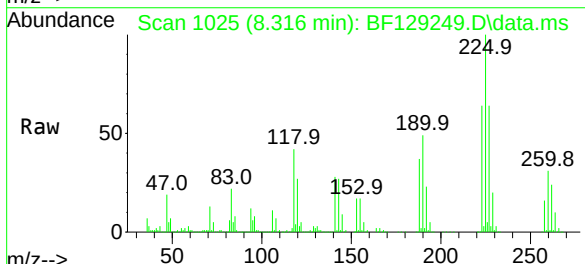
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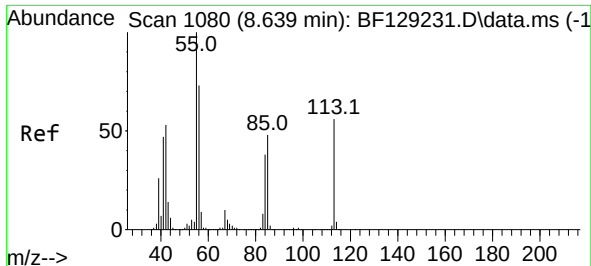
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#34
Hexachlorobutadiene
Concen: 53.179 ng
RT: 8.316 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

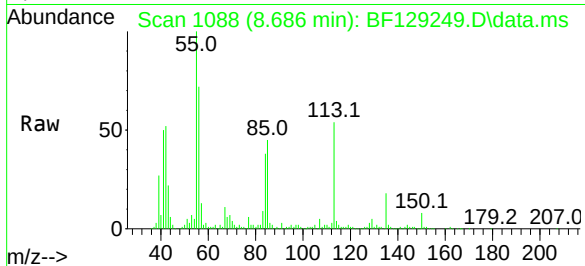
Tgt Ion:225 Resp: 429363
Ion Ratio Lower Upper
225 100
223 63.7 51.0 76.6
227 63.6 51.1 76.7





#35
Caprolactam
Concen: 55.879 ng m
RT: 8.686 min Scan# 1088
Delta R.T. 0.047 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

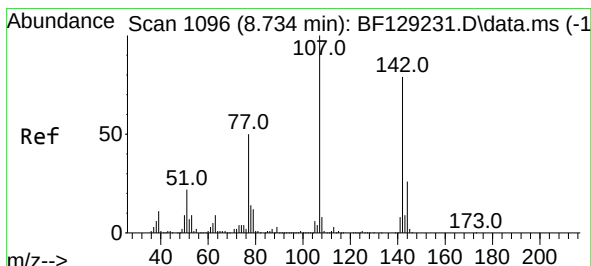
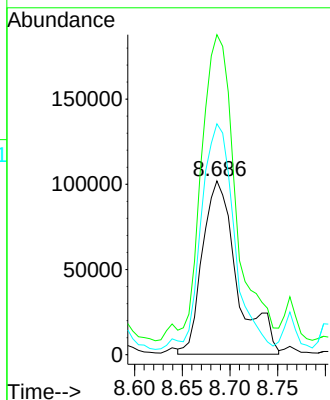
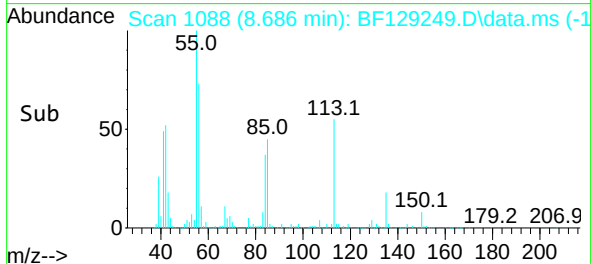
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:113 Resp: 25673
Ion Ratio Lower Upper
113 100
55 184.2 188.5 228.5
56 132.9 130.6 170.6

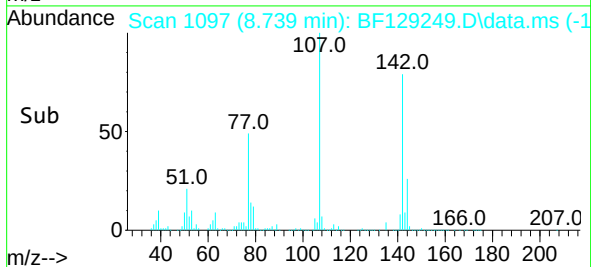
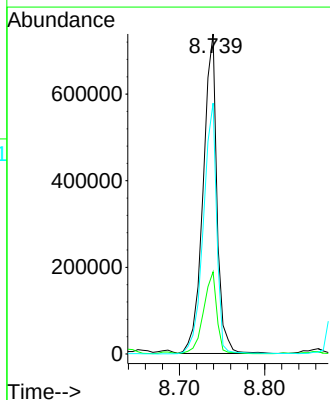
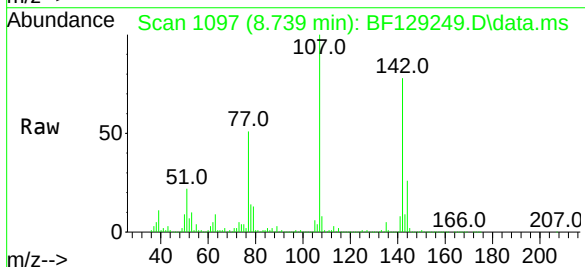
Manual Integrations
APPROVED

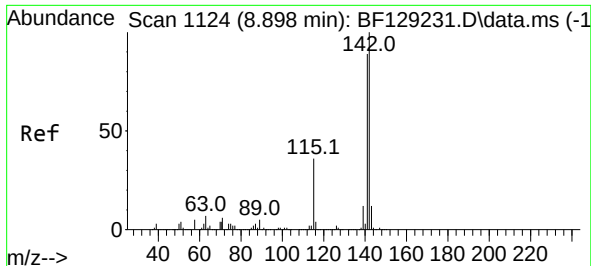
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#36
4-Chloro-3-methylphenol
Concen: 55.205 ng
RT: 8.739 min Scan# 1097
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

Tgt Ion:107 Resp: 832931
Ion Ratio Lower Upper
107 100
144 25.6 19.5 29.3
142 78.4 58.2 87.4





#37

2-Methylnaphthalene

Concen: 57.249 ng

RT: 8.898 min Scan# 1124

Delta R.T. -0.000 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

Tgt Ion:142 Resp: 1769410

Ion Ratio Lower Upper

142 100

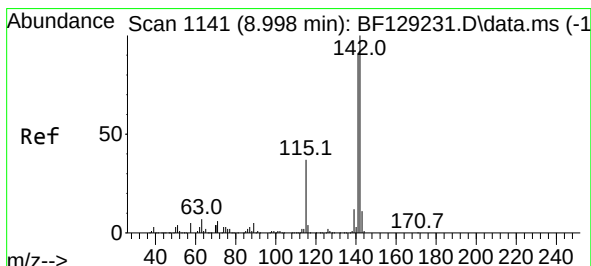
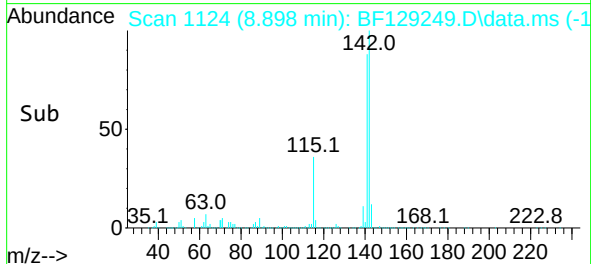
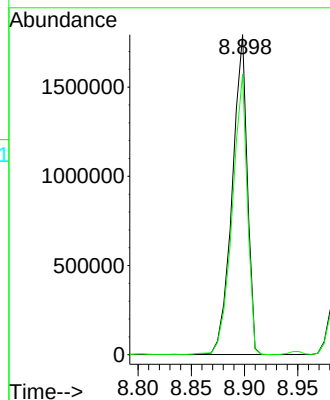
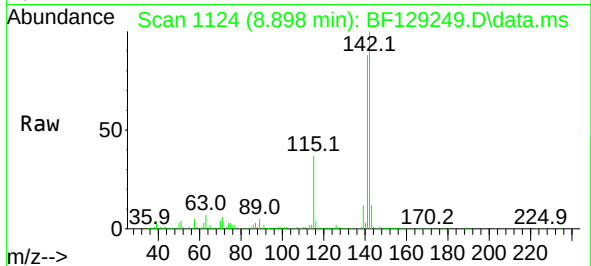
141 87.7 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#38

1-Methylnaphthalene

Concen: 55.582 ng

RT: 8.998 min Scan# 1141

Delta R.T. -0.000 min

Lab File: BF129249.D

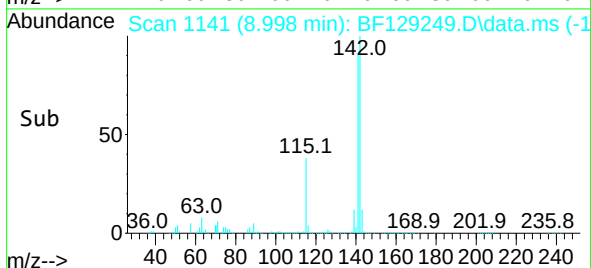
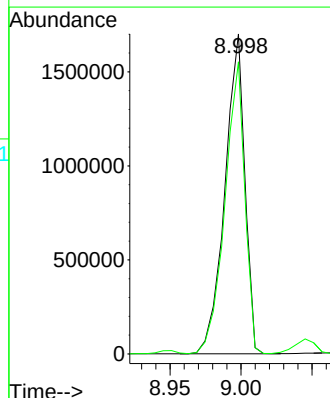
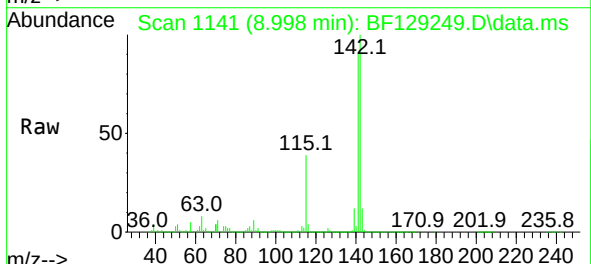
Acq: 15 Jul 2022 20:58

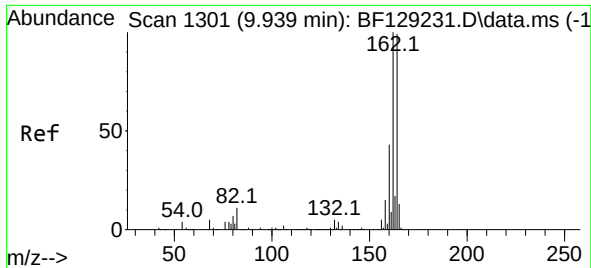
Tgt Ion:142 Resp: 1661368

Ion Ratio Lower Upper

142 100

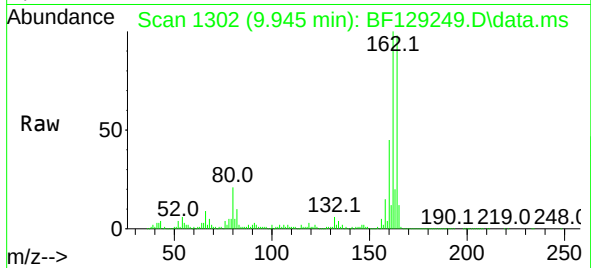
141 91.3 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1130
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

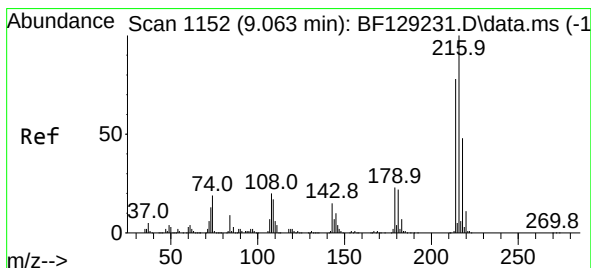
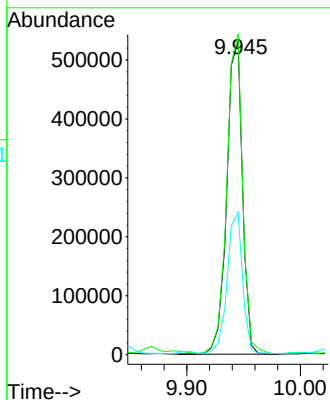
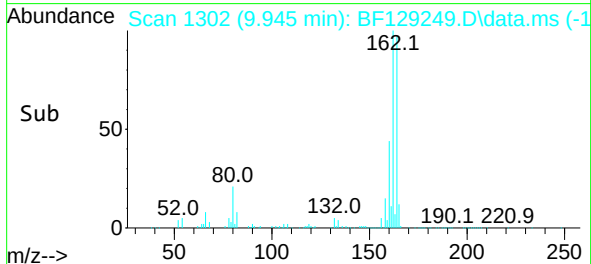
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



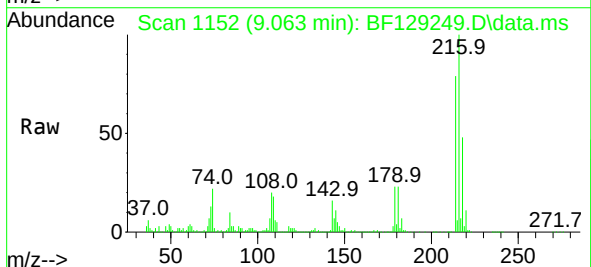
Tgt Ion:164 Resp: 509990
Ion Ratio Lower Upper
164 100
162 102.1 79.5 119.3
160 45.5 34.2 51.4

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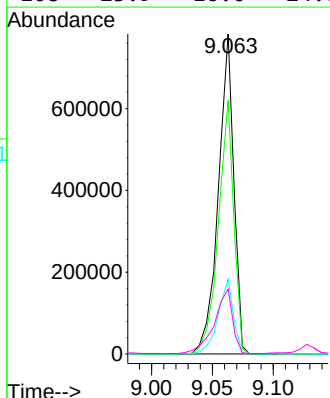
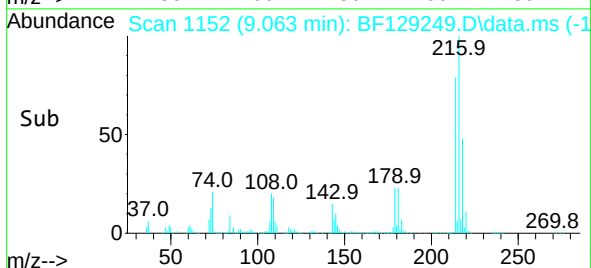
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

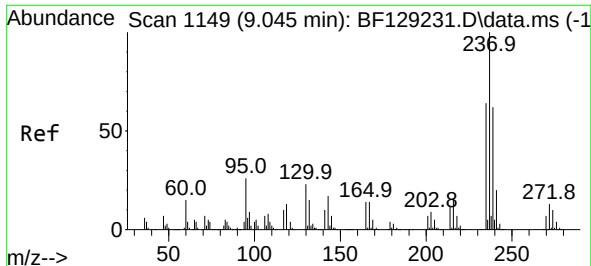


#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.588 ng
RT: 9.063 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



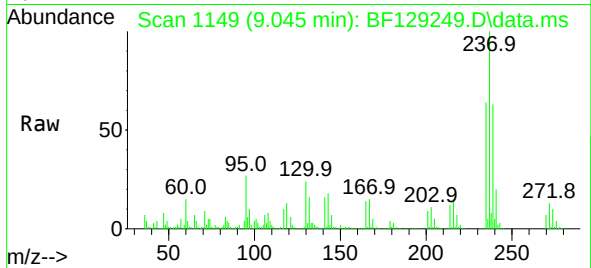
Tgt Ion:216 Resp: 692154
Ion Ratio Lower Upper
216 100
214 79.0 63.6 95.4
179 23.2 17.0 25.6
108 23.9 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 85.046 ng
RT: 9.045 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

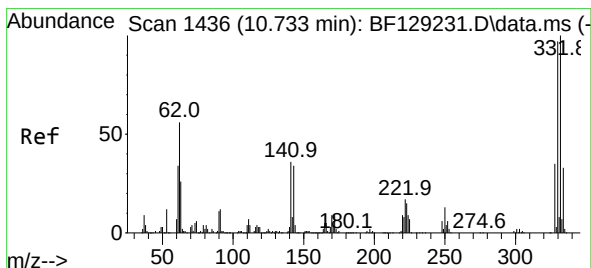
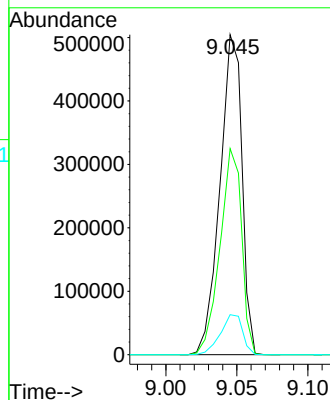
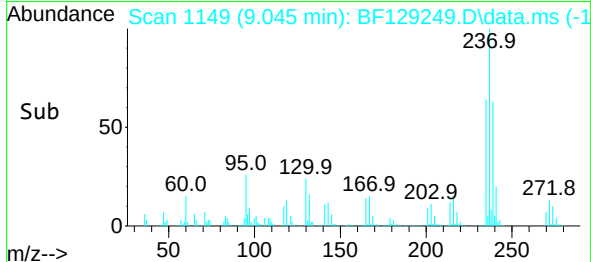
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



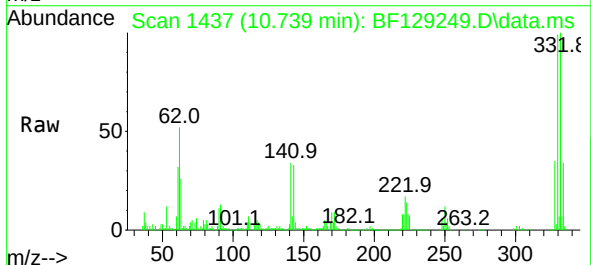
Tgt Ion:237 Resp: 542649
Ion Ratio Lower Upper
237 100
235 64.4 43.2 83.2
272 12.5 0.0 31.9

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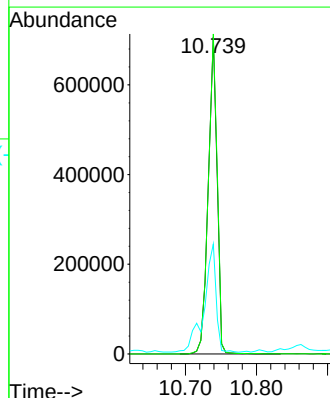
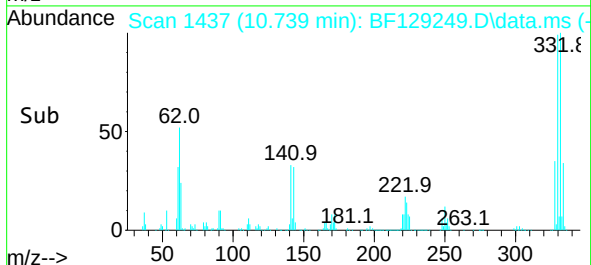
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

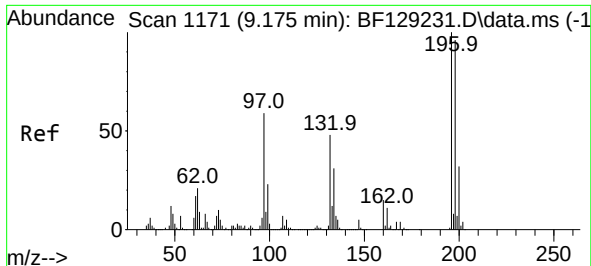


#42
2,4,6-Tribromophenol
Concen: 130.666 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



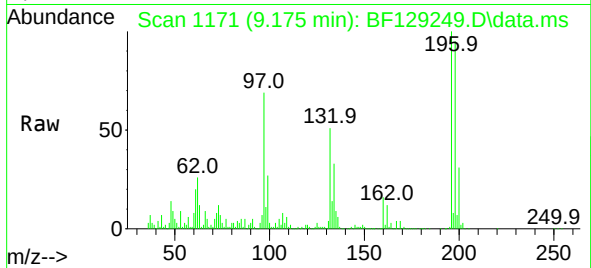
Tgt Ion:330 Resp: 618516
Ion Ratio Lower Upper
330 100
332 101.5 76.8 115.2
141 45.7 28.0 42.0#





#43
2,4,6-Trichlorophenol
Concen: 53.442 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

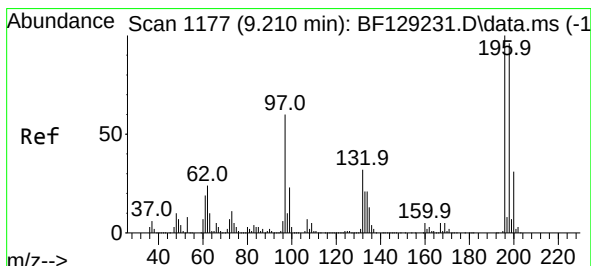
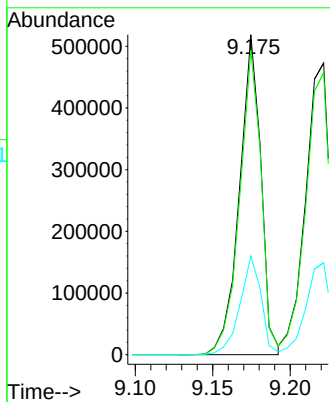
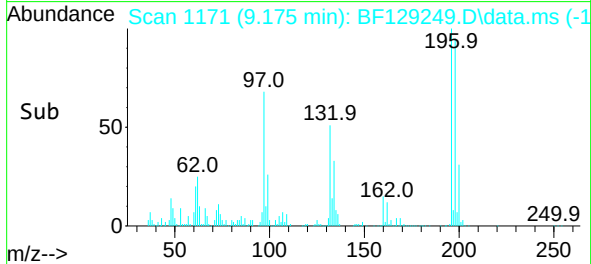
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



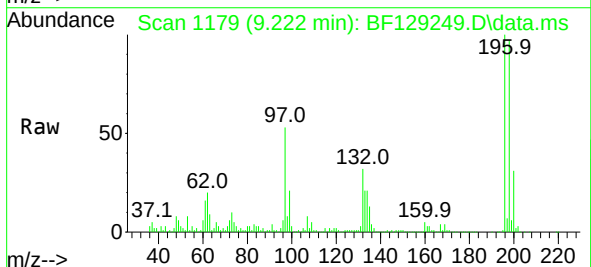
Tgt Ion:196 Resp: 498974
Ion Ratio Lower Upper
196 100
198 95.0 74.0 111.0
200 30.8 24.1 36.1

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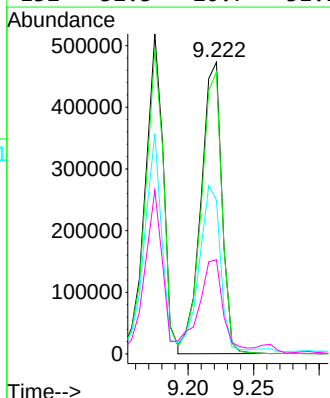
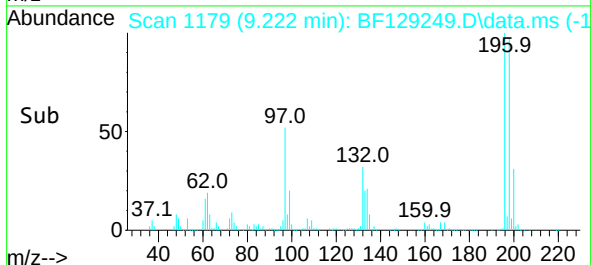
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

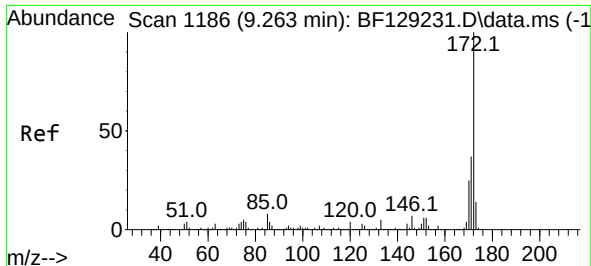


#44
2,4,5-Trichlorophenol
Concen: 53.092 ng
RT: 9.222 min Scan# 1179
Delta R.T. 0.012 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



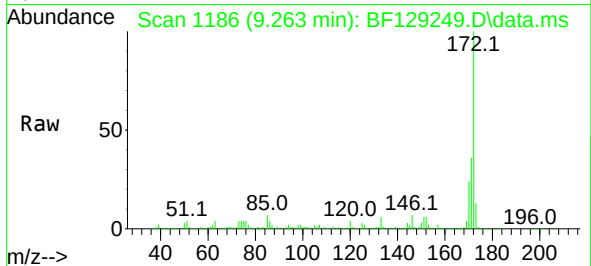
Tgt Ion:196 Resp: 524353
Ion Ratio Lower Upper
196 100
198 96.7 75.7 113.5
97 52.8 36.4 54.6
132 32.3 20.7 31.1#





#45
2-Fluorobiphenyl
Concen: 86.942 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

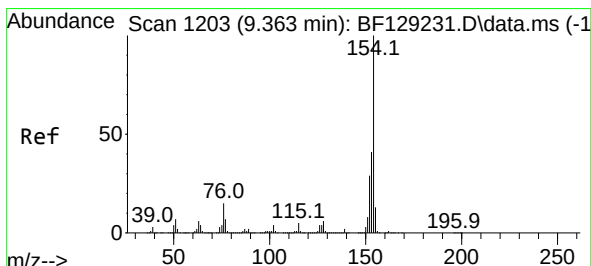
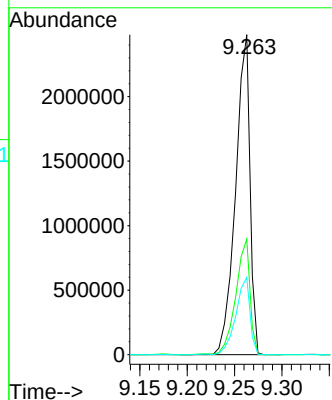
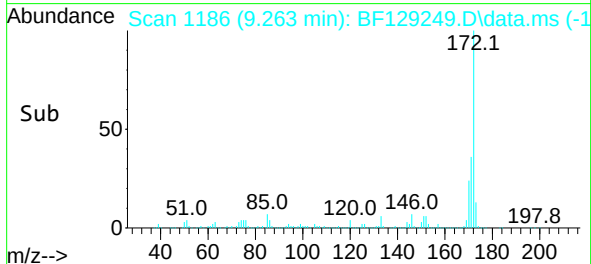
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



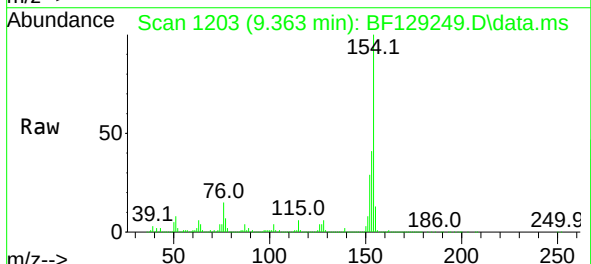
Tgt Ion:172 Resp: 261712
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.1 19.8 29.8

Manual Integrations
APPROVED

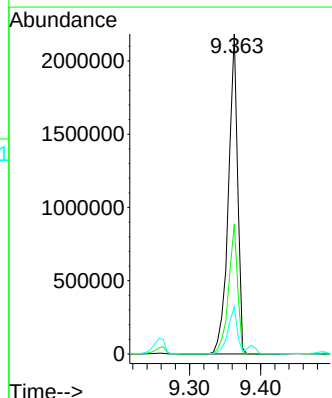
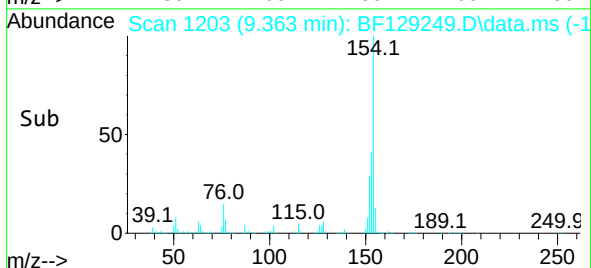
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

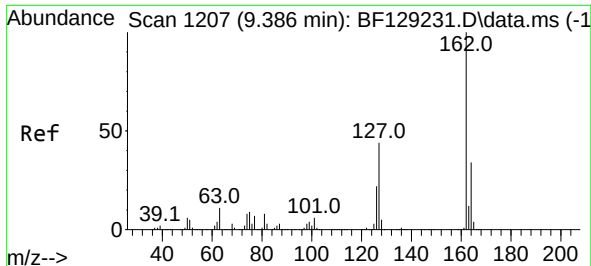


#46
1,1'-Biphenyl
Concen: 54.552 ng
RT: 9.363 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



Tgt Ion:154 Resp: 1967772
Ion Ratio Lower Upper
154 100
153 40.6 20.6 60.6
76 14.8 0.0 33.3





#47

2-Chloronaphthalene

Concen: 54.409 ng

RT: 9.386 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

Tgt Ion:162 Resp: 154585

Ion Ratio Lower Upper

162 100

127 44.7 34.5 51.7

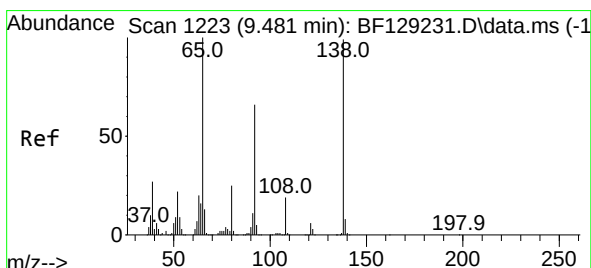
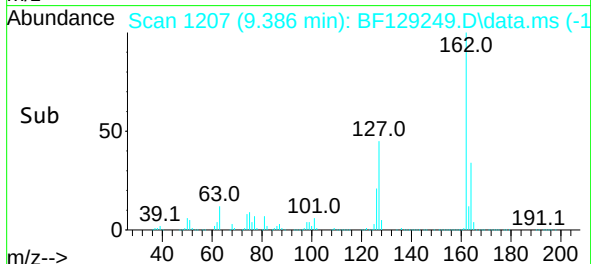
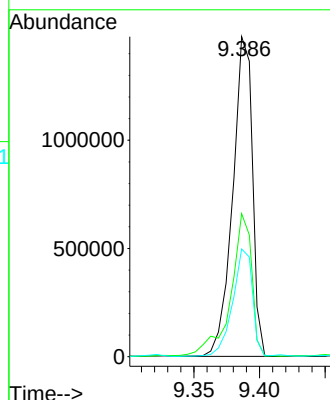
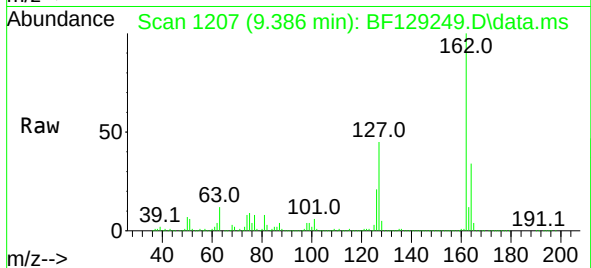
164 33.7 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#48

2-Nitroaniline

Concen: 57.653 ng

RT: 9.486 min Scan# 1224

Delta R.T. 0.006 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

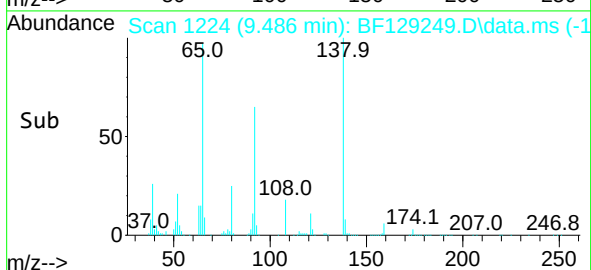
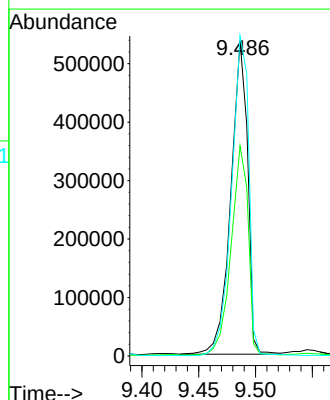
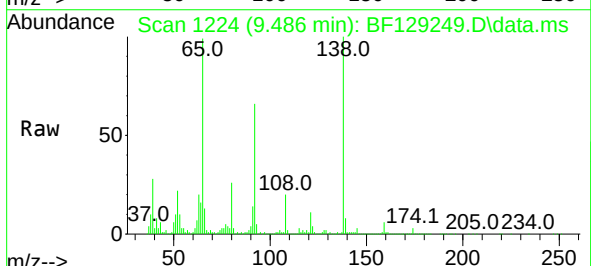
Tgt Ion: 65 Resp: 550325

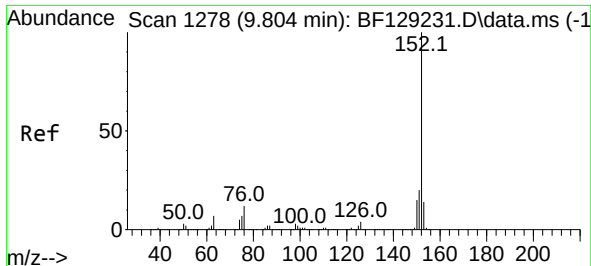
Ion Ratio Lower Upper

65 100

92 66.6 51.9 77.9

138 101.4 76.4 114.6





#49

Acenaphthylene

Concen: 54.401 ng

RT: 9.810 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF129249.D

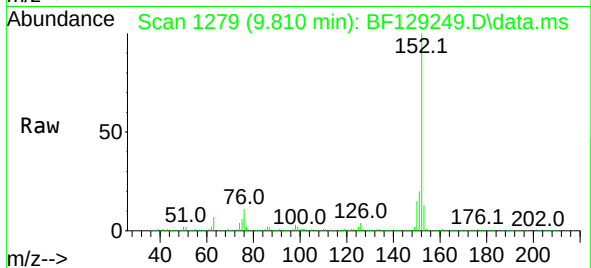
Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:152 Resp: 232635

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

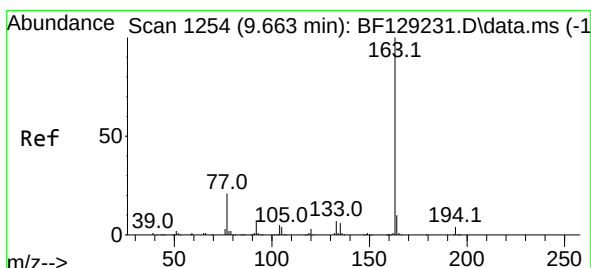
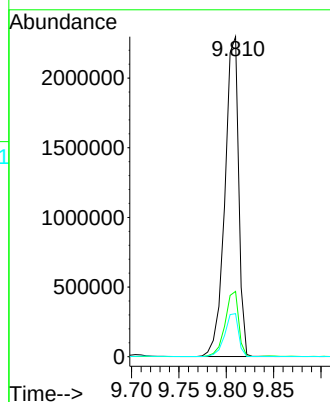
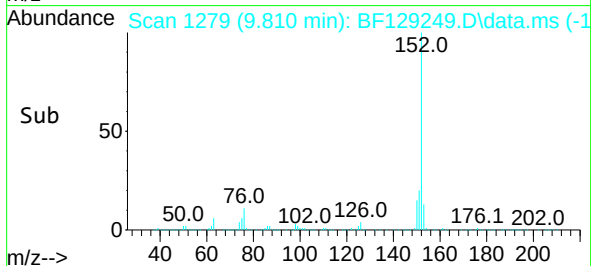
153 13.5 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#50

Dimethylphthalate

Concen: 55.568 ng

RT: 9.669 min Scan# 1255

Delta R.T. 0.006 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

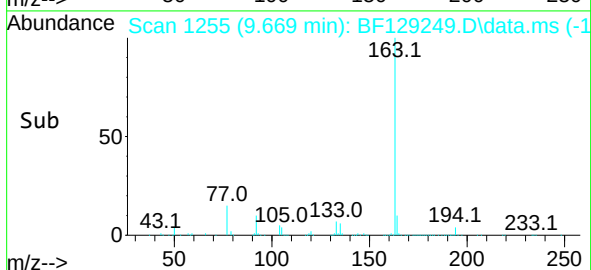
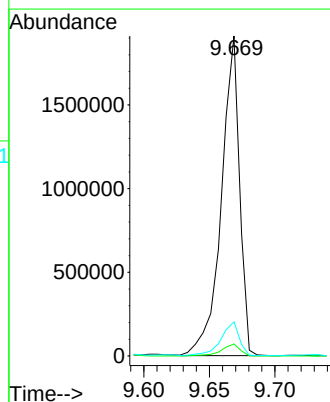
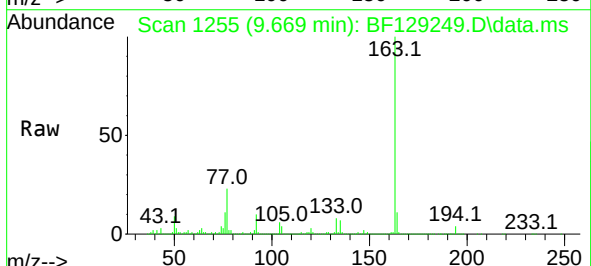
Tgt Ion:163 Resp: 1839003

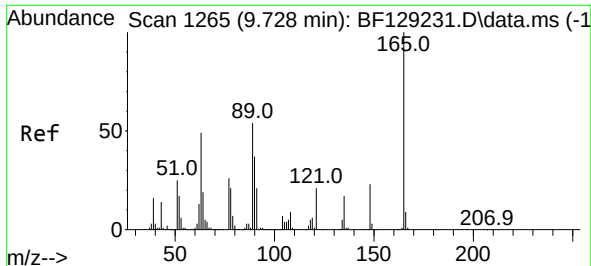
Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

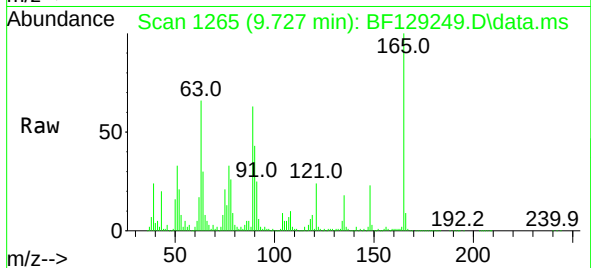
164 10.6 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 59.203 ng
RT: 9.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

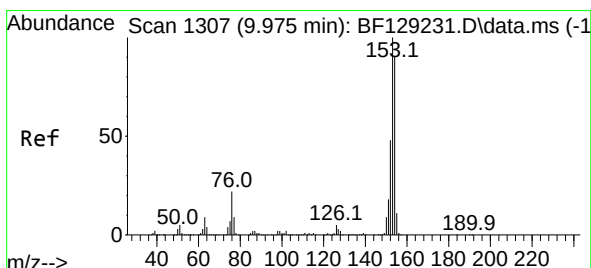
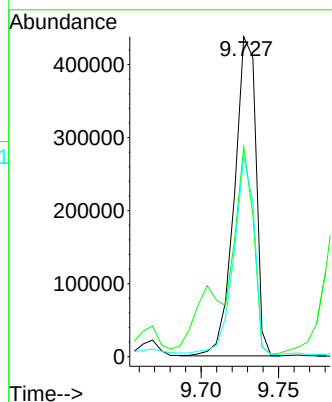
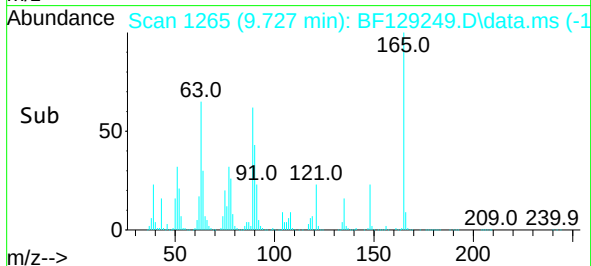
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:165 Resp: 423974
Ion Ratio Lower Upper
165 100
63 65.6 44.9 67.3
89 62.7 43.6 65.4

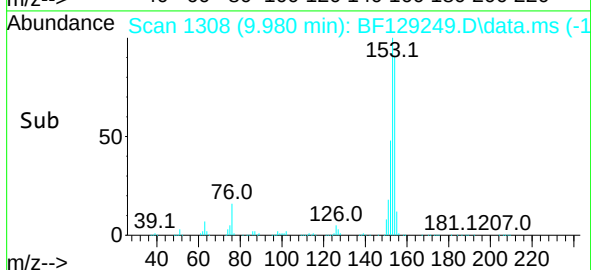
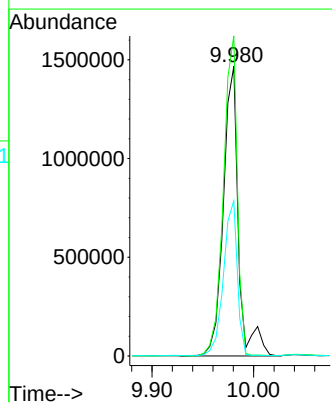
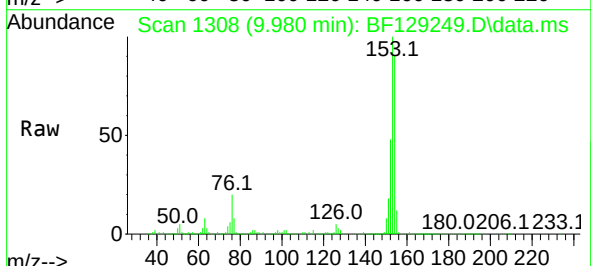
Manual Integrations
APPROVED

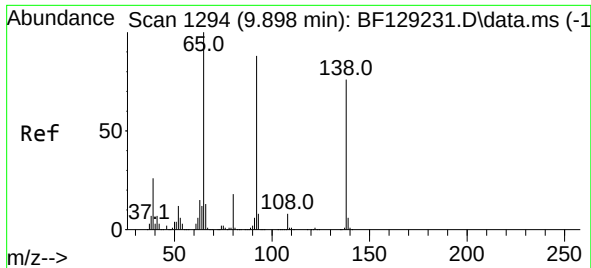
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#52
Acenaphthene
Concen: 54.371 ng m
RT: 9.980 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

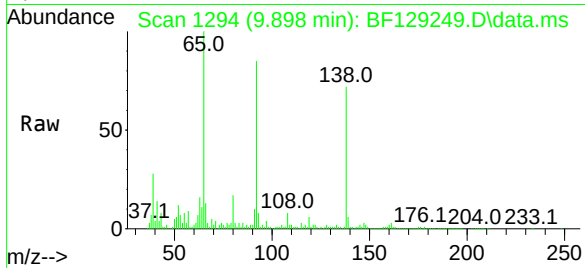
Tgt Ion:154 Resp: 1519812
Ion Ratio Lower Upper
154 100
153 110.5 89.6 134.4
152 53.5 42.4 63.6





#53
3-Nitroaniline
Concen: 28.969 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

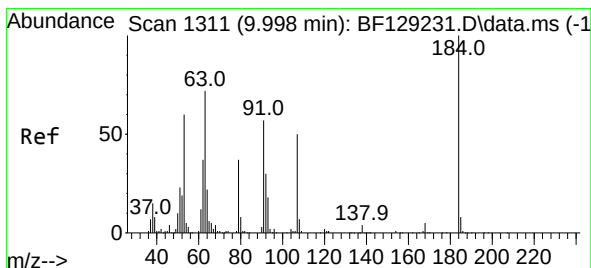
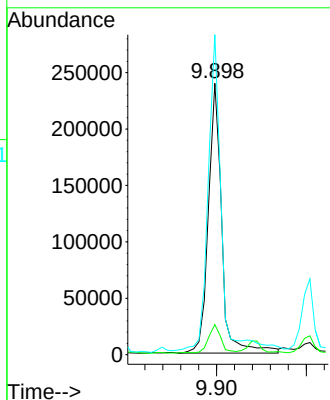
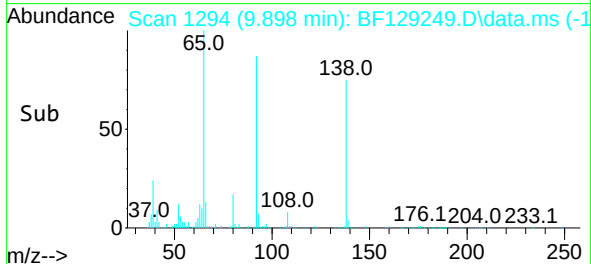
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



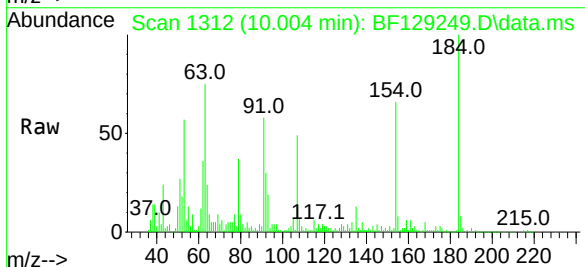
Tgt Ion:138 Resp: 24773
Ion Ratio Lower Upper
138 100
108 11.1 10.9 16.3
92 117.9 98.2 147.2

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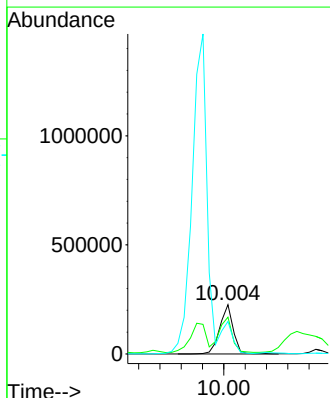
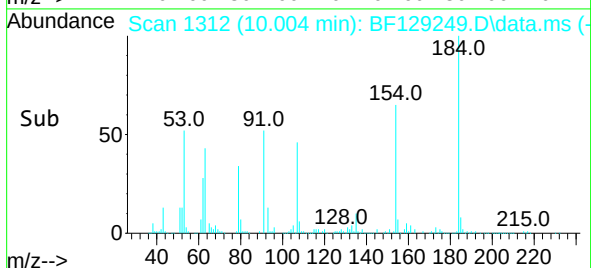
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

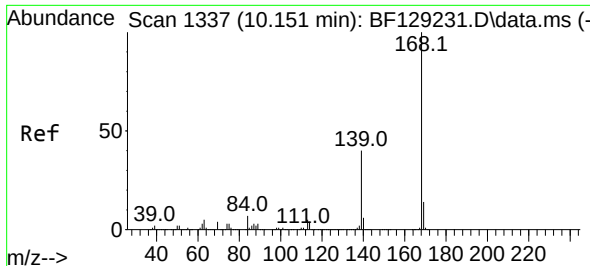


#54
2,4-Dinitrophenol
Concen: 50.708 ng
RT: 10.004 min Scan# 1312
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



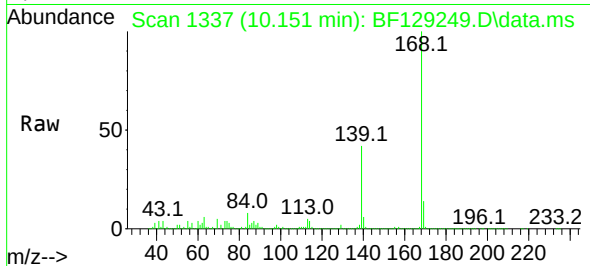
Tgt Ion:184 Resp: 194627
Ion Ratio Lower Upper
184 100
63 74.5 64.5 96.7
154 65.9 50.6 75.8





#55
Dibenzofuran
Concen: 51.820 ng
RT: 10.151 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

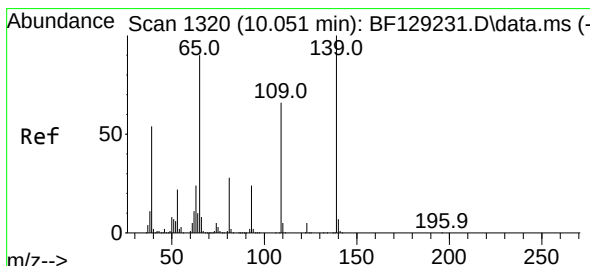
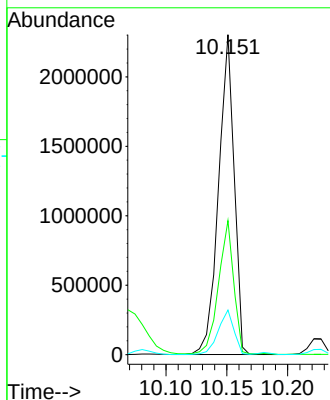
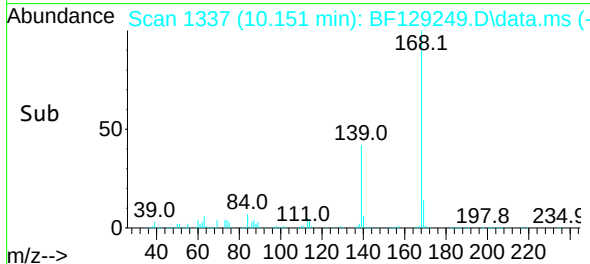
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:168 Resp: 2056220
Ion Ratio Lower Upper
168 100
139 41.9 30.6 46.0
169 14.0 11.0 16.6

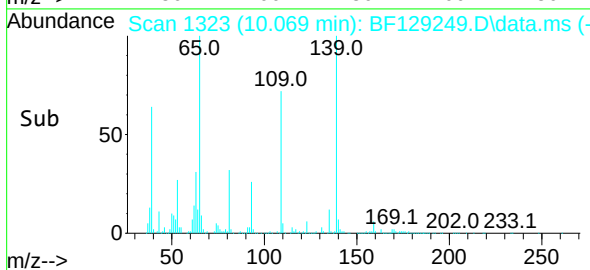
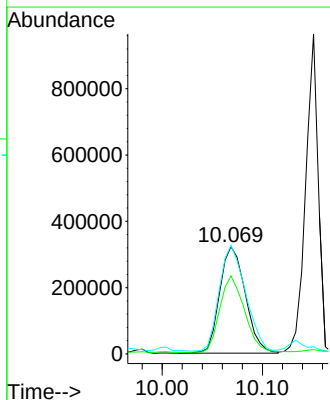
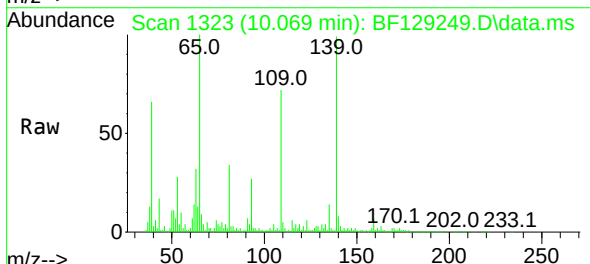
Manual Integrations
APPROVED

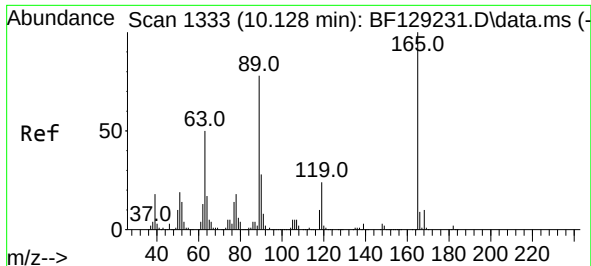
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#56
4-Nitrophenol
Concen: 84.028 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.018 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

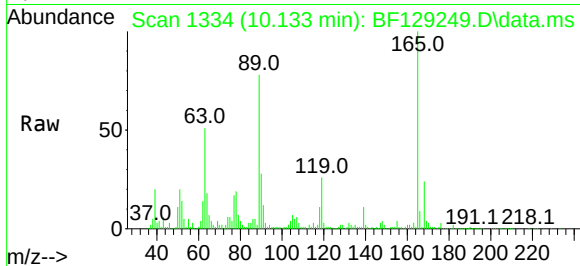
Tgt Ion:139 Resp: 568745
Ion Ratio Lower Upper
139 100
109 72.8 50.7 90.7
65 101.3 74.5 114.5





#57
2,4-Dinitrotoluene
Concen: 58.435 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

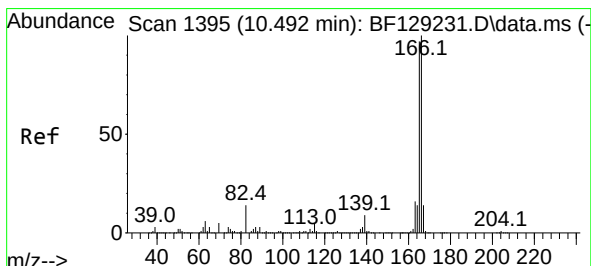
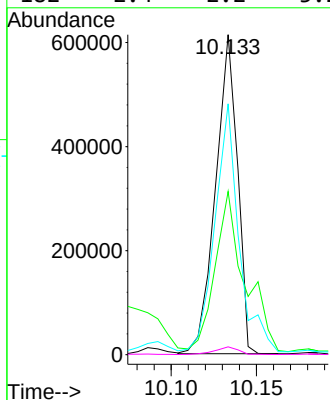
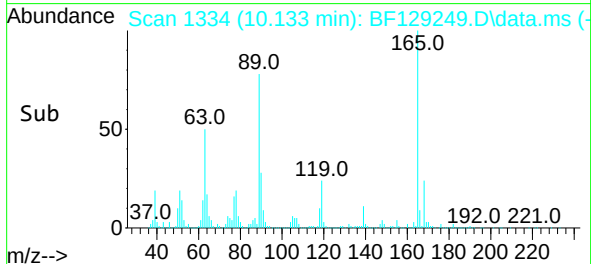
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:165 Resp: 548752
Ion Ratio Lower Upper
165 100
63 51.0 39.8 59.6
89 78.4 60.2 90.2
182 2.4 2.2 3.2

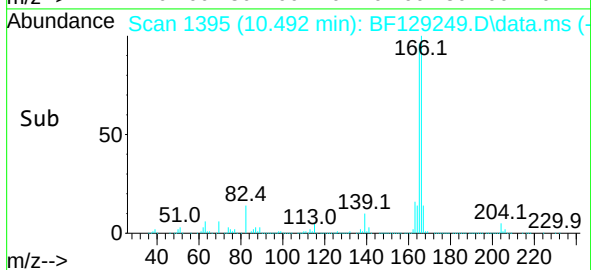
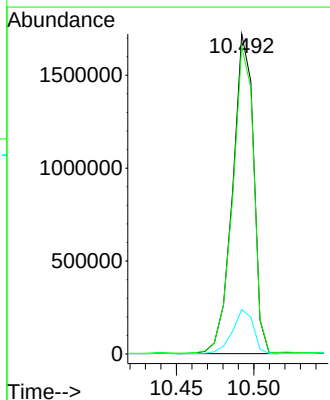
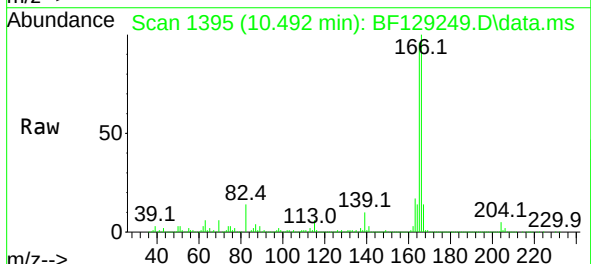
Manual Integrations
APPROVED

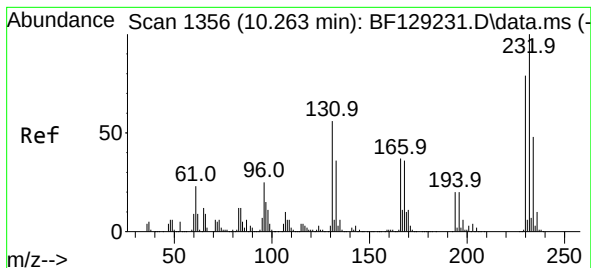
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#58
Fluorene
Concen: 53.554 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

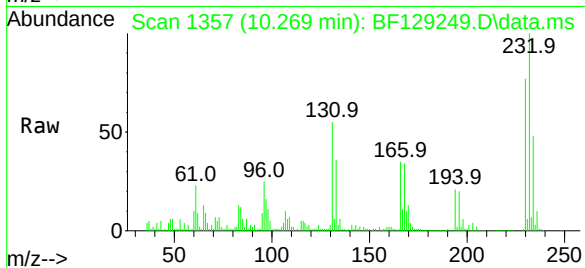
Tgt Ion:166 Resp: 1616279
Ion Ratio Lower Upper
166 100
165 96.0 78.1 117.1
167 13.9 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.985 ng
RT: 10.269 min Scan# 1356
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

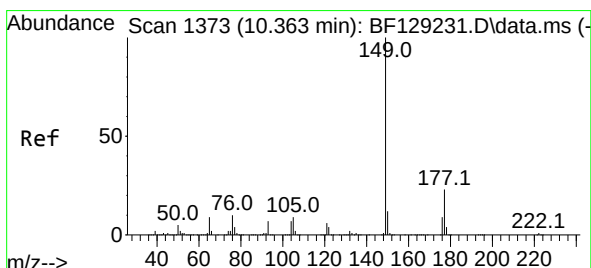
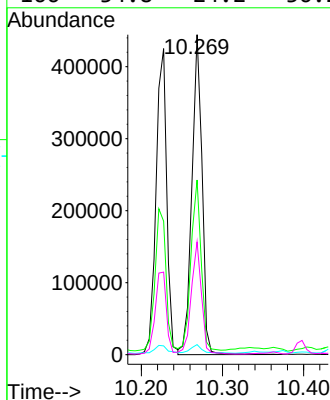
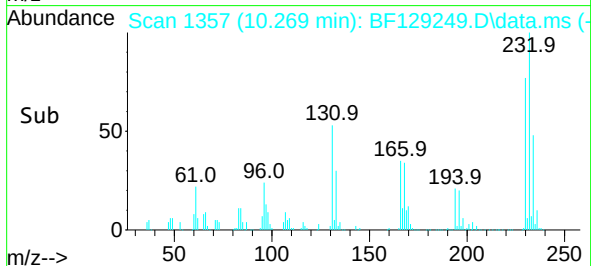
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



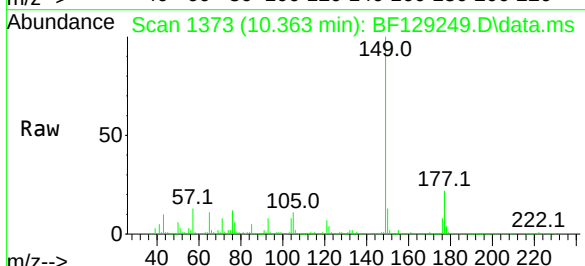
Tgt Ion:232 Resp: 388971
Ion Ratio Lower Upper
232 100
131 52.4 36.1 54.1
130 3.0 1.8 2.8
166 34.8 24.2 36.2

Manual Integrations
APPROVED

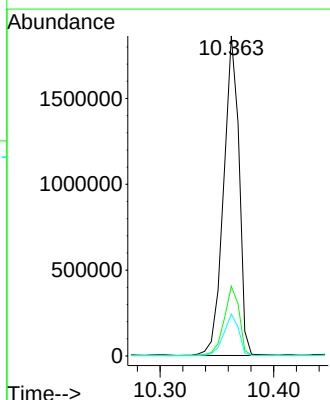
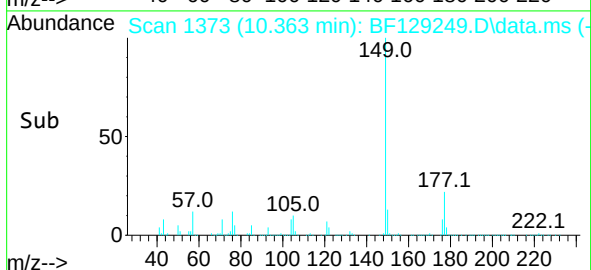
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

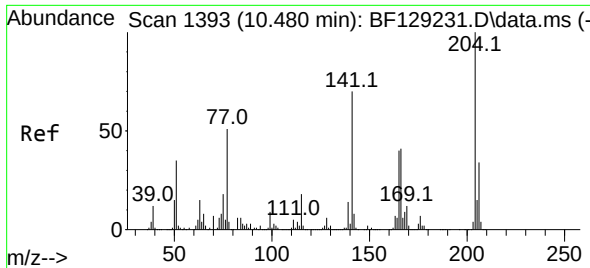


#60
Diethylphthalate
Concen: 54.941 ng
RT: 10.363 min Scan# 1373
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



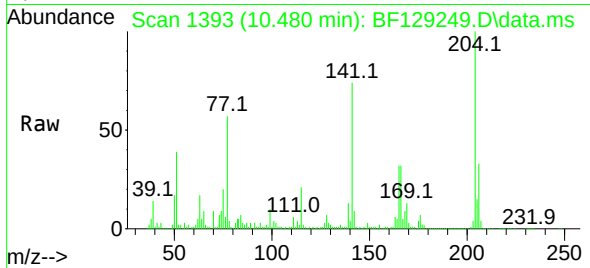
Tgt Ion:149 Resp: 1758329
Ion Ratio Lower Upper
149 100
177 21.8 17.3 25.9
150 13.1 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 51.876 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

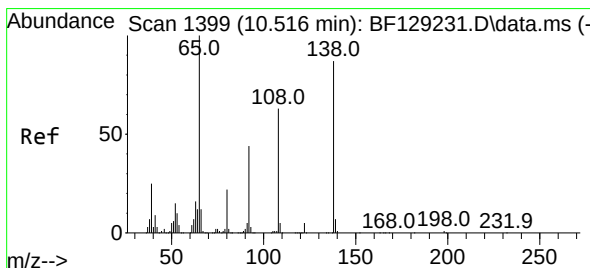
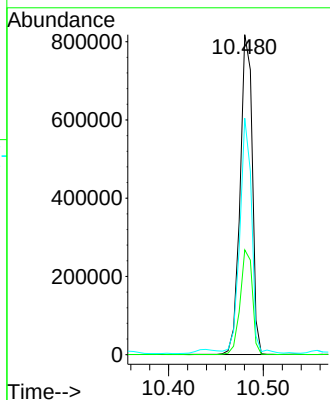
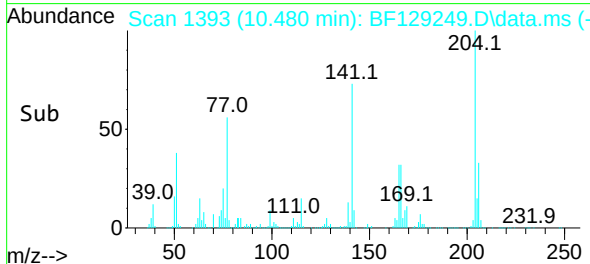
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMSD



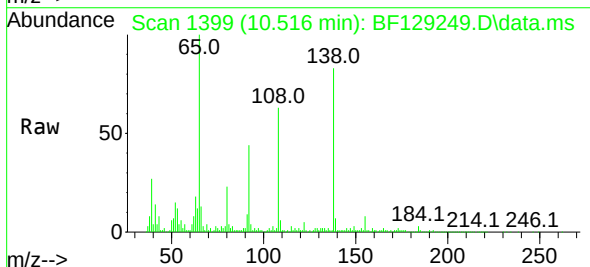
Tgt Ion:204 Resp: 725270
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.6
141 73.9 47.0 70.4

Manual Integrations
APPROVED

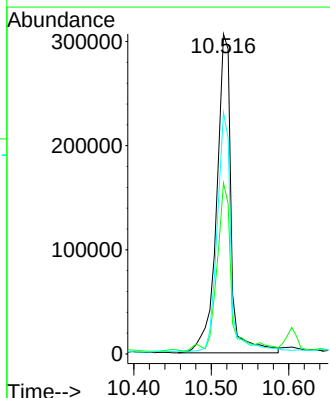
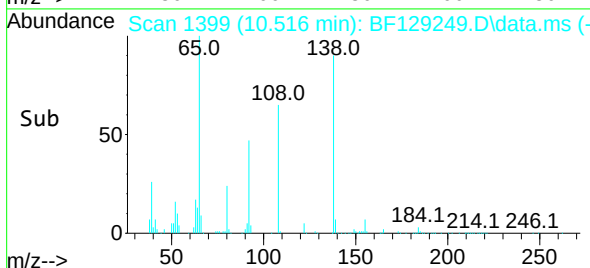
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

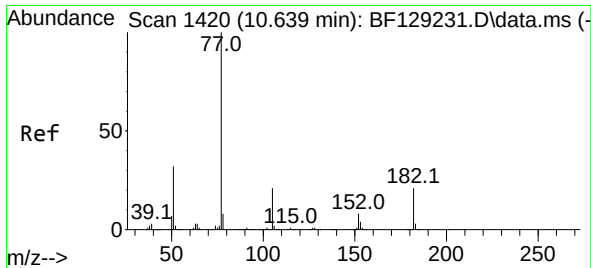


#62
4-Nitroaniline
Concen: 46.986 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



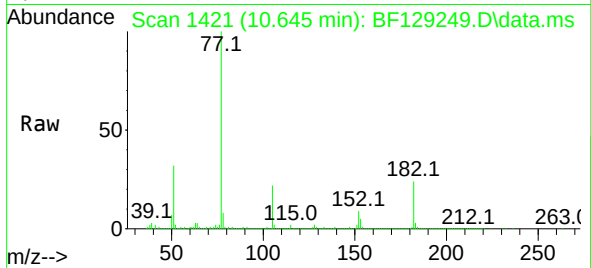
Tgt Ion:138 Resp: 397795
Ion Ratio Lower Upper
138 100
92 53.5 33.5 73.5
108 75.5 61.0 101.0





#63
Azobenzene
Concen: 52.639 ng
RT: 10.645 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

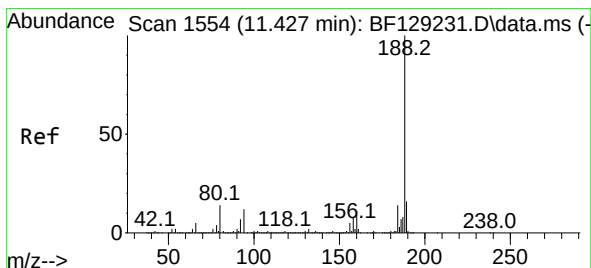
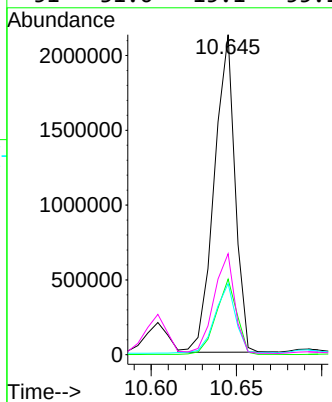
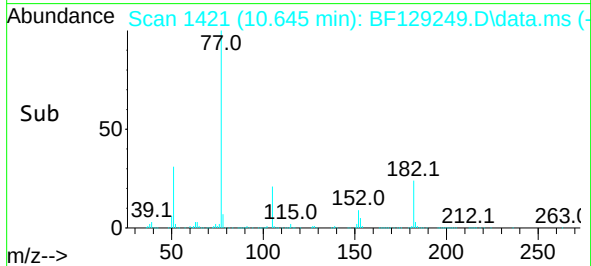
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



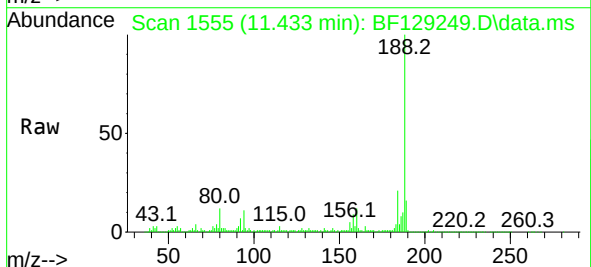
Tgt Ion: 77 Resp: 1798299
Ion Ratio Lower Upper
77 100
182 23.6 5.6 45.6
105 22.2 1.6 41.6
51 31.6 15.1 55.1

Manual Integrations
APPROVED

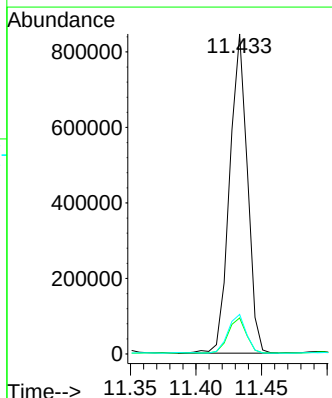
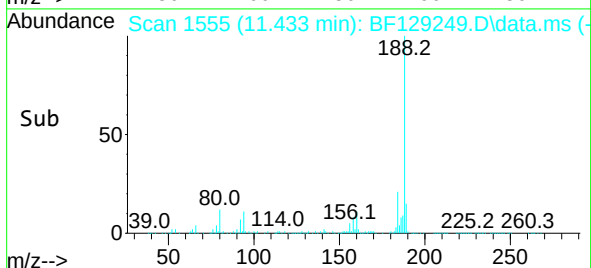
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

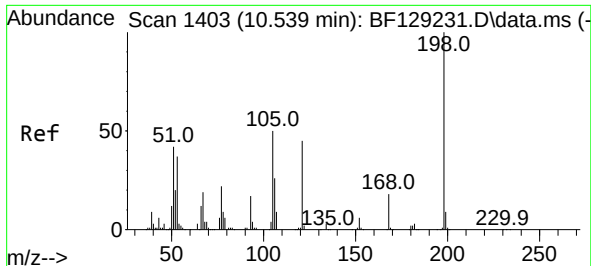


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1555
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



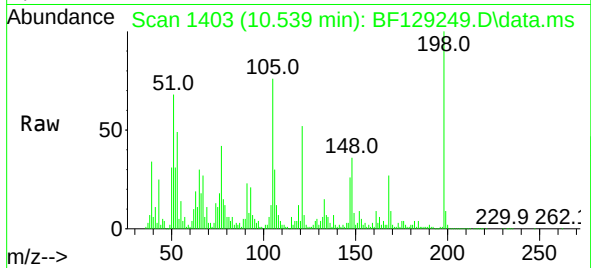
Tgt Ion:188 Resp: 794624
Ion Ratio Lower Upper
188 100
94 11.3 7.0 10.6#
80 12.4 7.6 11.4#





#65
4,6-Dinitro-2-methylphenol
Concen: 38.389 ng
RT: 10.539 min Scan# 1403
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

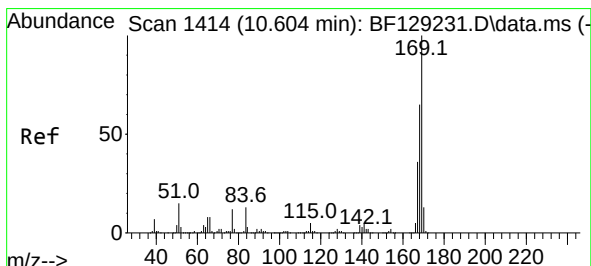
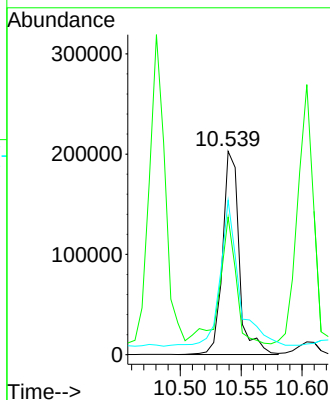
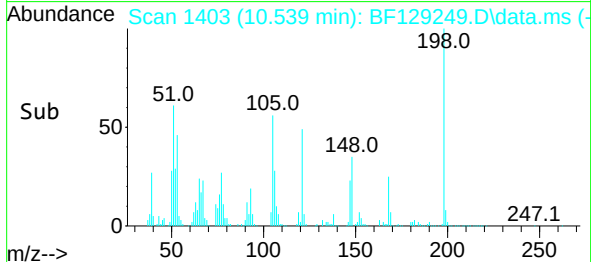
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



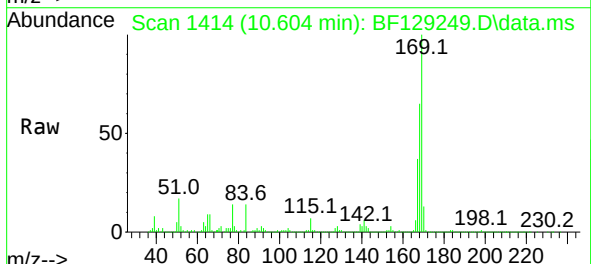
Tgt Ion:198 Resp: 192734
Ion Ratio Lower Upper
198 100
51 67.7 37.6 77.6
105 75.9 27.0 67.0

Manual Integrations
APPROVED

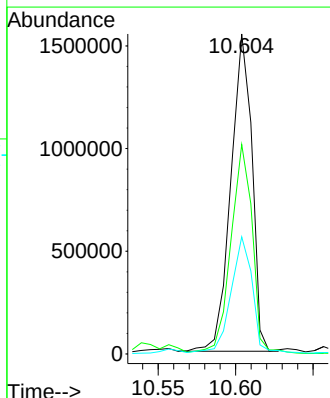
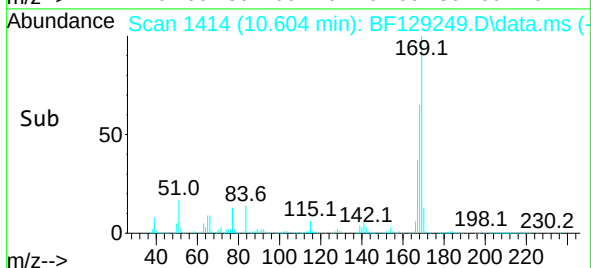
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

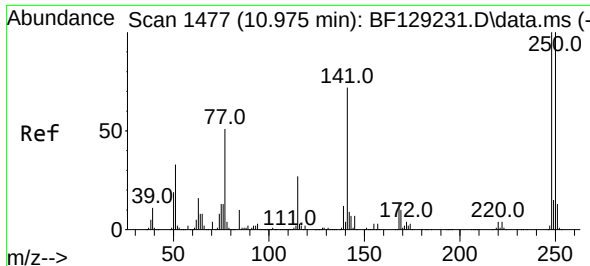


#66
n-Nitrosodiphenylamine
Concen: 57.676 ng
RT: 10.604 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



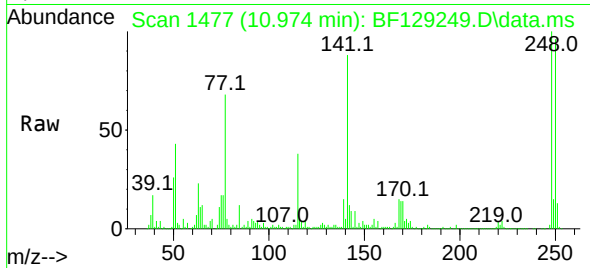
Tgt Ion:169 Resp: 1462257
Ion Ratio Lower Upper
169 100
168 65.5 50.1 75.1
167 36.6 27.9 41.9





#67
4-Bromophenyl-phenylether
Concen: 55.886 ng
RT: 10.974 min Scan# 1477
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

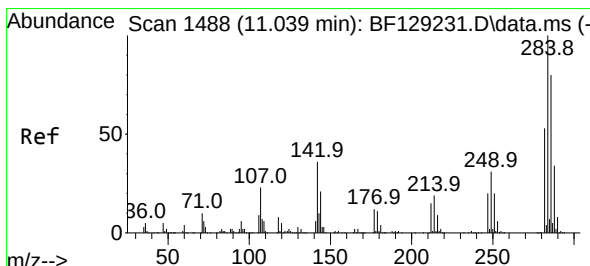
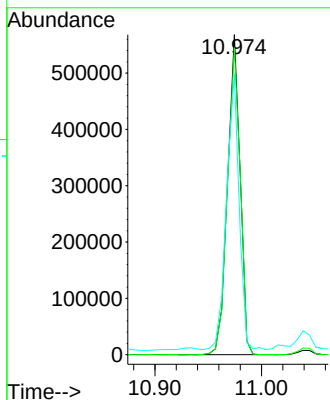
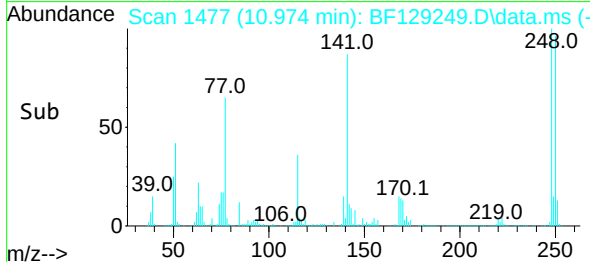
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



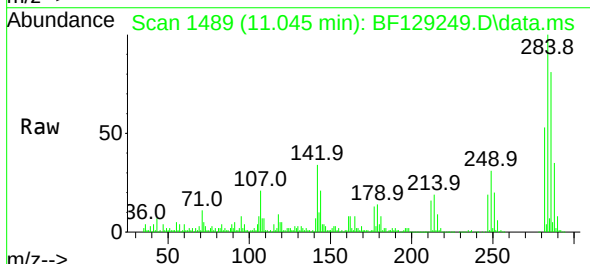
Tgt Ion:248 Resp: 467470
Ion Ratio Lower Upper
248 100
250 96.0 80.6 120.8
141 87.8 58.9 88.3

Manual Integrations
APPROVED

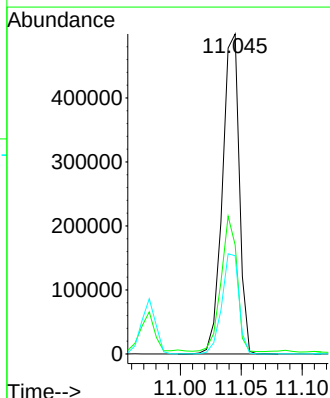
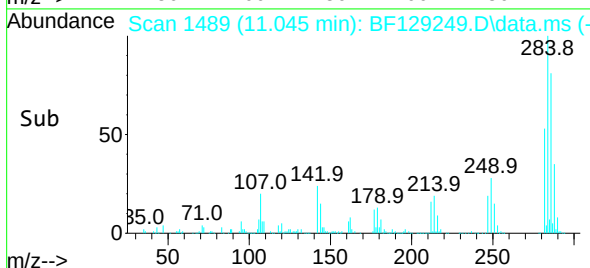
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

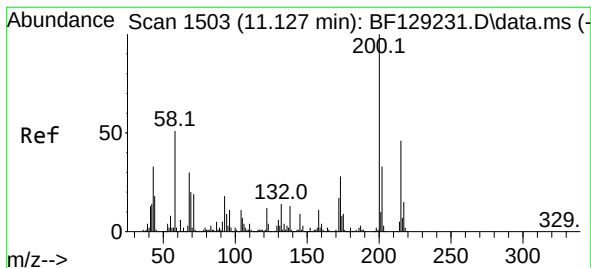


#68
Hexachlorobenzene
Concen: 54.960 ng
RT: 11.045 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



Tgt Ion:284 Resp: 482568
Ion Ratio Lower Upper
284 100
142 34.1 29.0 43.4
249 30.7 25.0 37.6





#69

Atrazine

Concen: 61.556 ng

RT: 11.145 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

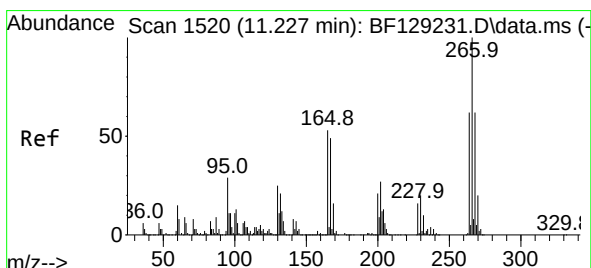
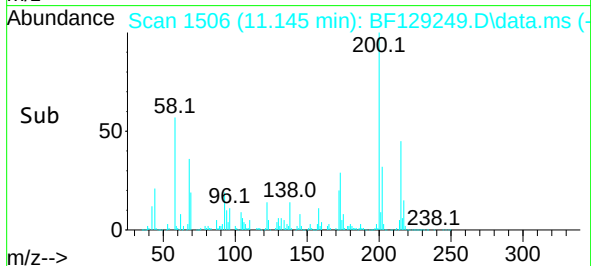
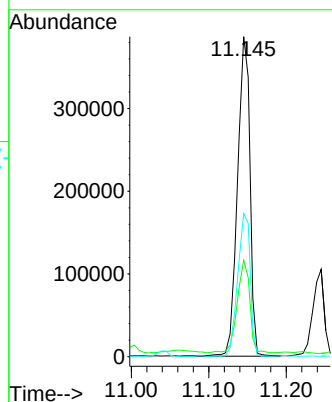
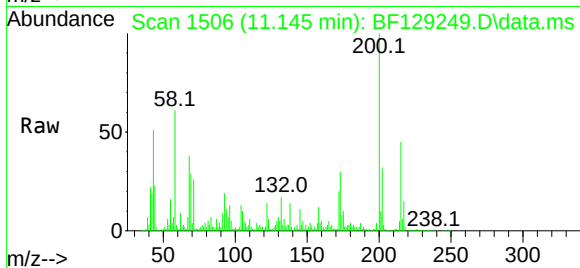
Tgt Ion:	200	Resp:	432652
Ion Ratio	Lower	Upper	
200	100		
173	30.1	6.3	46.3
215	44.8	28.3	68.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#70

Pentachlorophenol

Concen: 100.359 ng

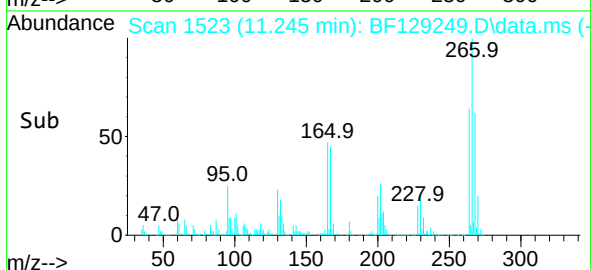
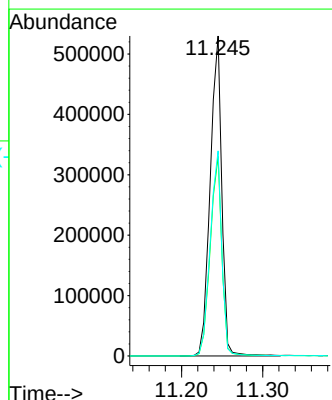
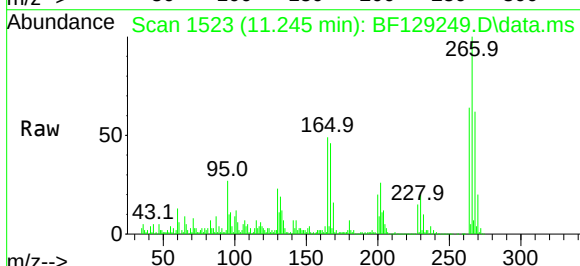
RT: 11.245 min Scan# 1523

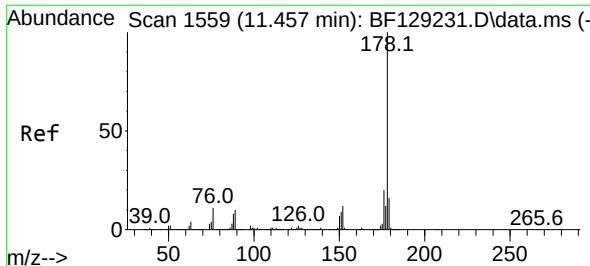
Delta R.T. 0.018 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

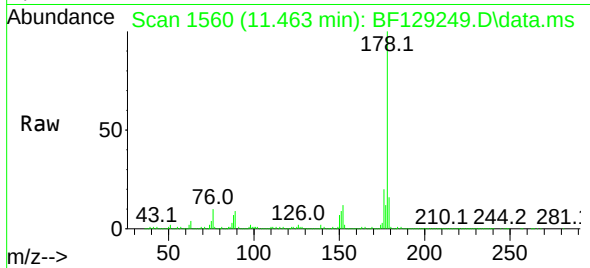
Tgt Ion:	266	Resp:	523992
Ion Ratio	Lower	Upper	
266	100		
268	62.3	51.0	76.4
264	64.1	49.4	74.2





#71
Phenanthrene
Concen: 55.525 ng
RT: 11.463 min Scan# 1560
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

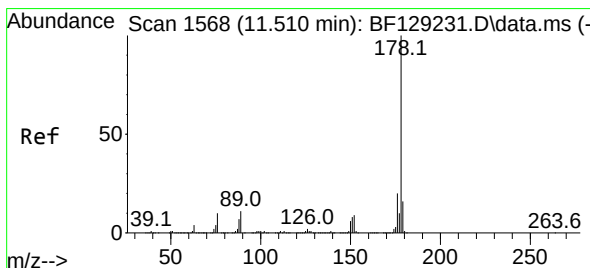
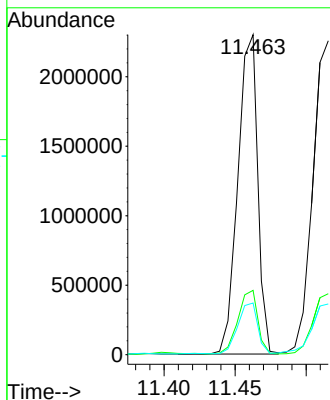
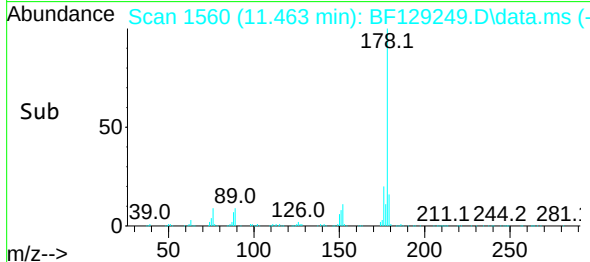
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



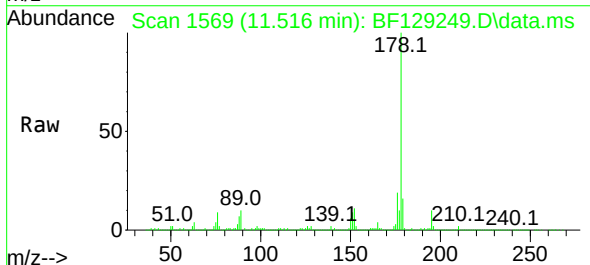
Tgt Ion:178 Resp: 2240090
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 16.2 12.6 19.0

Manual Integrations
APPROVED

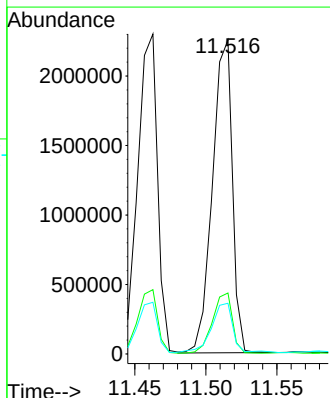
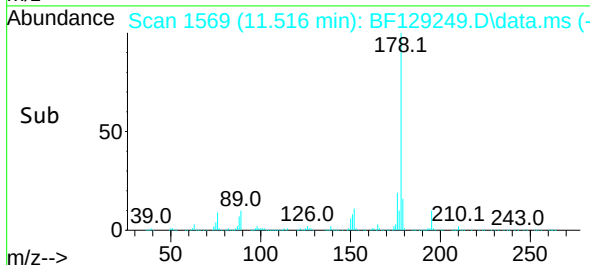
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

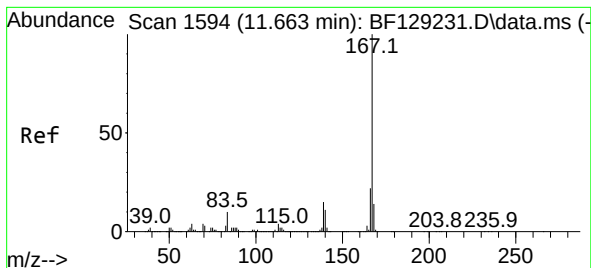


#72
Anthracene
Concen: 54.856 ng
RT: 11.516 min Scan# 1569
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



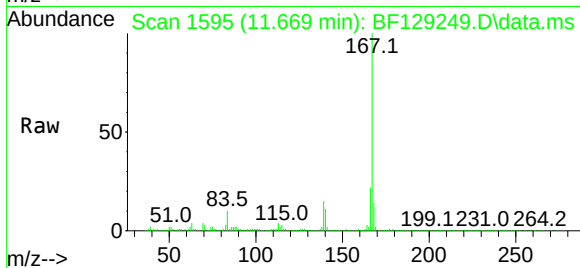
Tgt Ion:178 Resp: 2198394
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.2 12.6 19.0





#73
 Carbazole
 Concen: 50.823 ng
 RT: 11.669 min Scan# 1594
 Delta R.T. 0.006 min
 Lab File: BF129249.D
 Acq: 15 Jul 2022 20:58

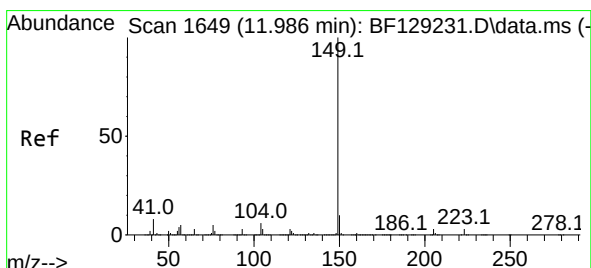
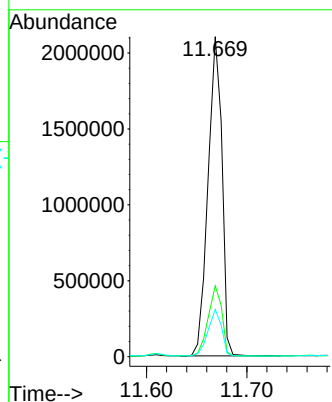
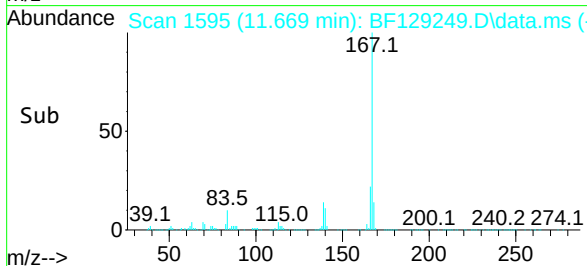
Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMSD



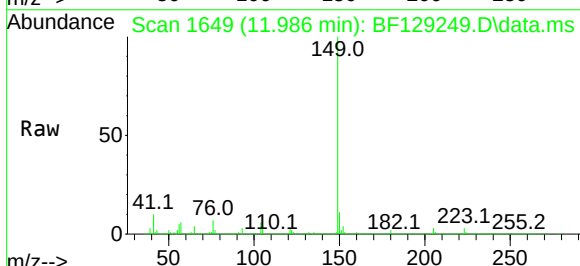
Tgt Ion:167 Resp: 2031623
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.7 26.5
 139 14.8 11.2 16.8

Manual Integrations
 APPROVED

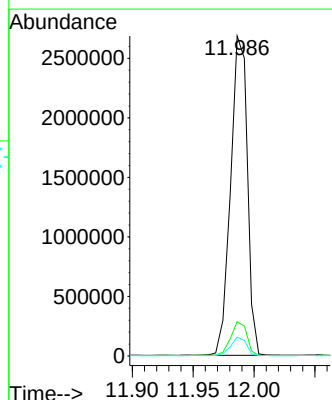
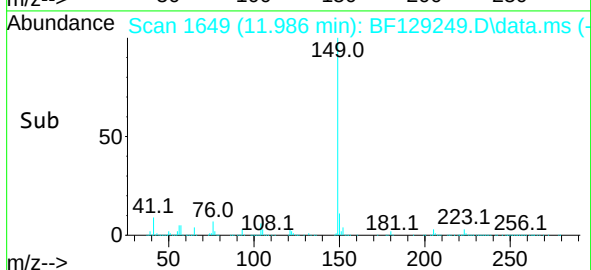
Reviewed By :Christian Giraldo 07/18/2022
 Supervised By :Jagrut Upadhyay 07/18/2022

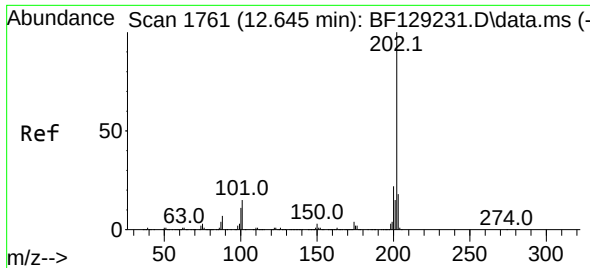


#74
 Di-n-butylphthalate
 Concen: 55.952 ng
 RT: 11.986 min Scan# 1649
 Delta R.T. -0.000 min
 Lab File: BF129249.D
 Acq: 15 Jul 2022 20:58



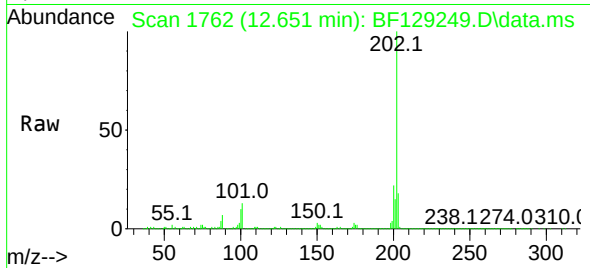
Tgt Ion:149 Resp: 2570365
 Ion Ratio Lower Upper
 149 100
 150 10.7 7.5 11.3
 104 5.9 4.4 6.6





#75
Fluoranthene
Concen: 49.997 ng
RT: 12.651 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

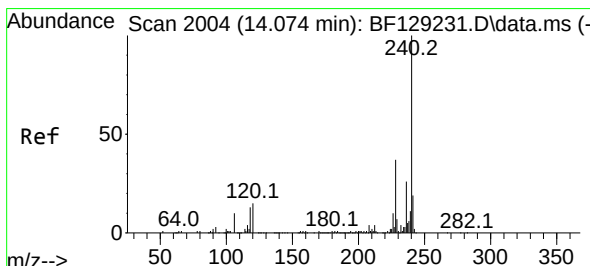
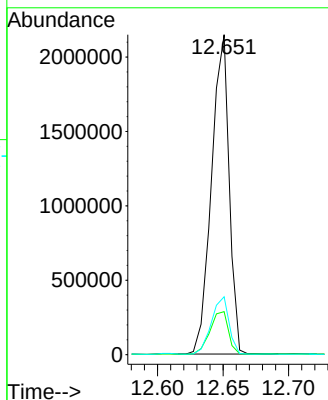
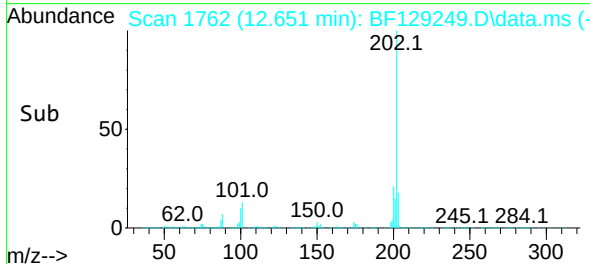
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



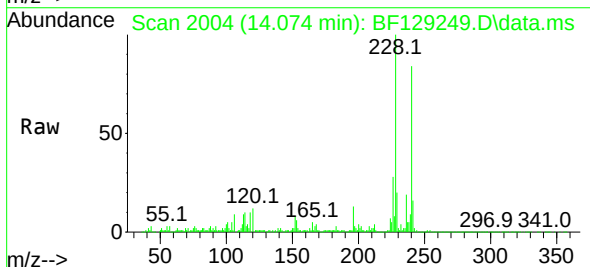
Tgt Ion:202 Resp: 2008894
Ion Ratio Lower Upper
202 100
101 13.4 0.0 31.4
203 18.1 0.0 38.0

Manual Integrations
APPROVED

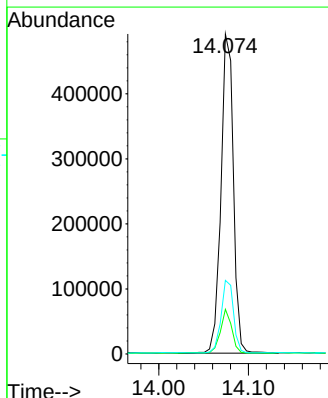
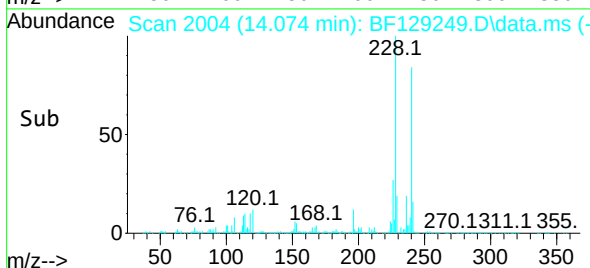
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

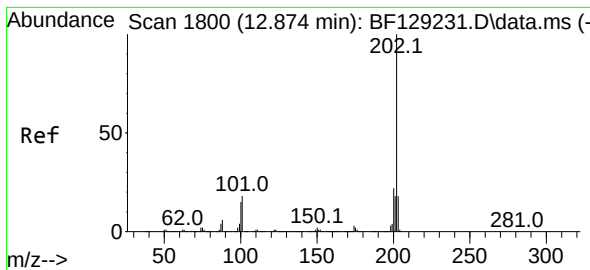


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



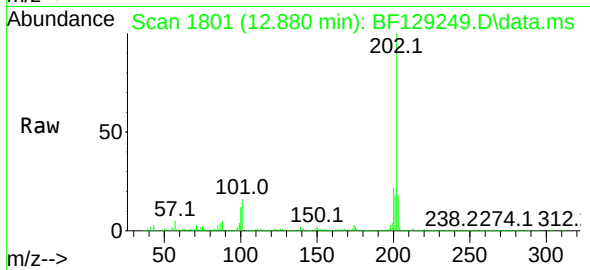
Tgt Ion:240 Resp: 471490
Ion Ratio Lower Upper
240 100
120 14.0 8.9 13.3#
236 23.0 20.8 31.2





#78
Pyrene
Concen: 51.983 ng
RT: 12.880 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

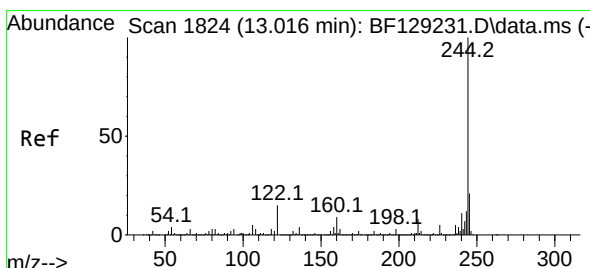
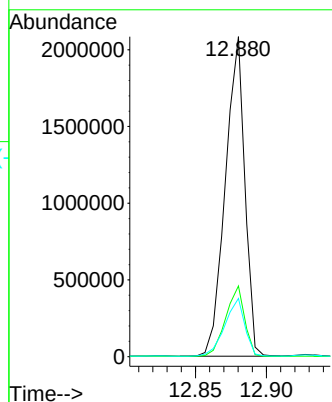
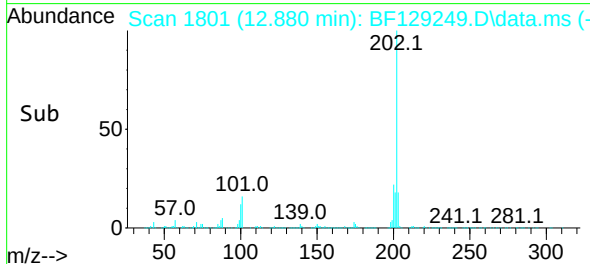
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:202 Resp: 198514
Ion Ratio Lower Upper
202 100
200 22.1 17.7 26.5
203 18.2 14.6 21.8

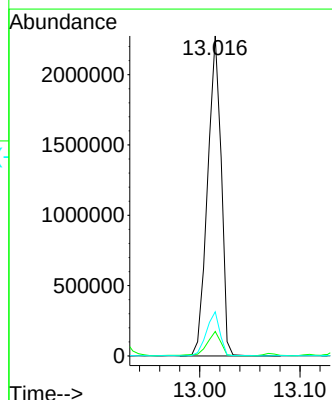
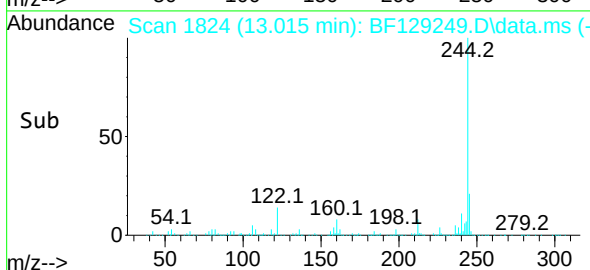
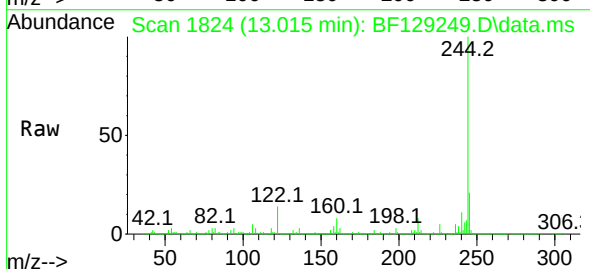
Manual Integrations
APPROVED

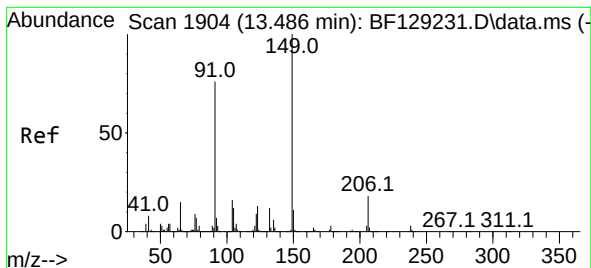
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#79
Terphenyl-d14
Concen: 85.150 ng
RT: 13.015 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

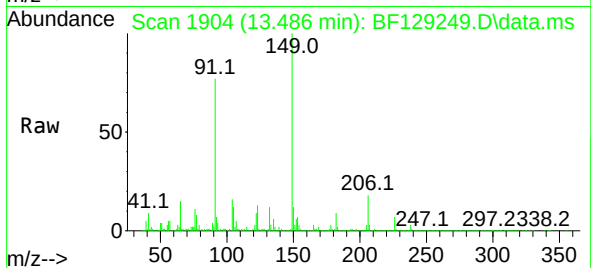
Tgt Ion:244 Resp: 2146116
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 13.8 8.8 13.2#





#80
Butylbenzylphthalate
Concen: 54.612 ng
RT: 13.486 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

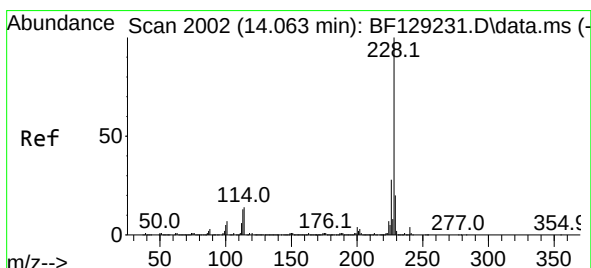
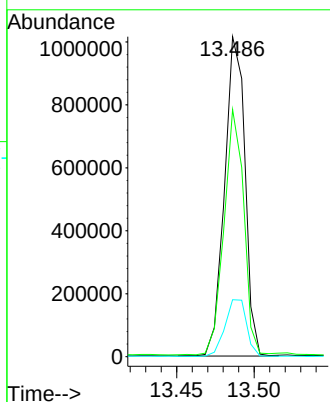
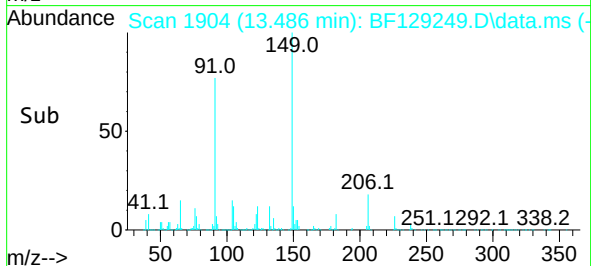
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMSD



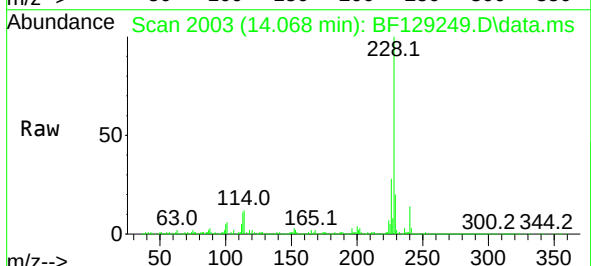
Tgt Ion:149 Resp: 928929
Ion Ratio Lower Upper
149 100
91 77.2 61.2 91.8
206 17.8 15.7 23.5

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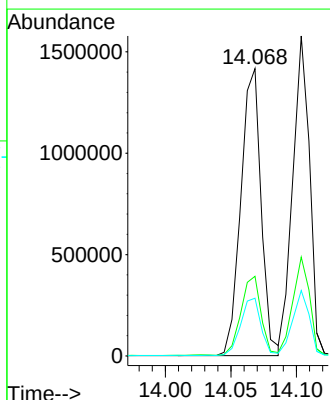
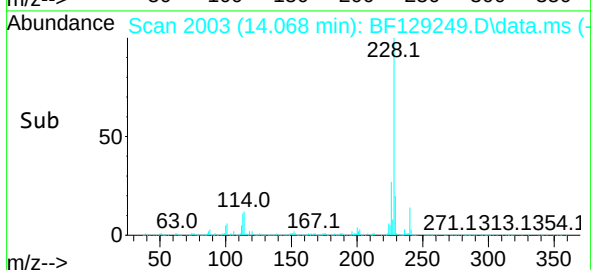
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

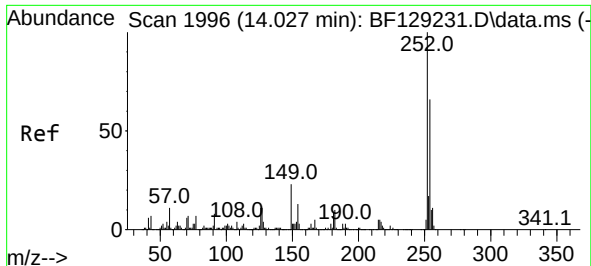


#81
Benzo(a)anthracene
Concen: 51.211 ng
RT: 14.068 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



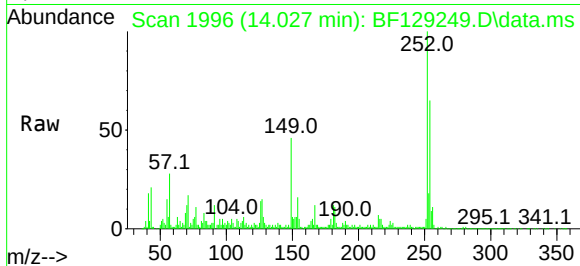
Tgt Ion:228 Resp: 1523017
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 20.1 15.8 23.8





#82
3,3'-Dichlorobenzidine
Concen: 27.701 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

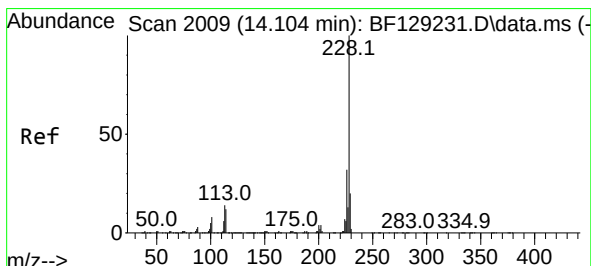
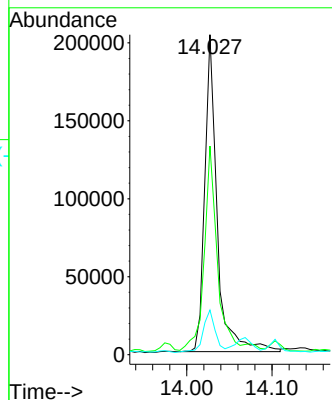
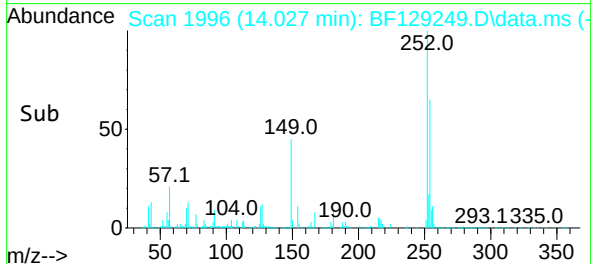
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:252 Resp: 206084
Ion Ratio Lower Upper
252 100
254 65.2 50.2 75.4
126 14.0 8.2 12.4

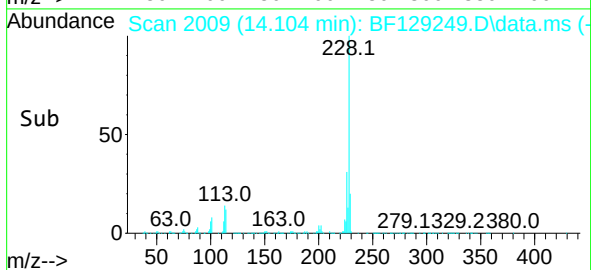
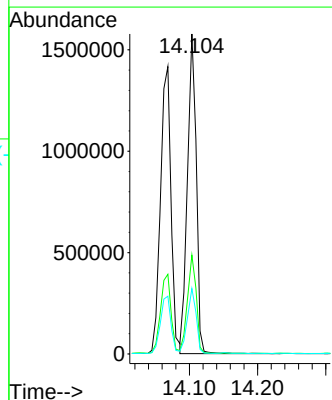
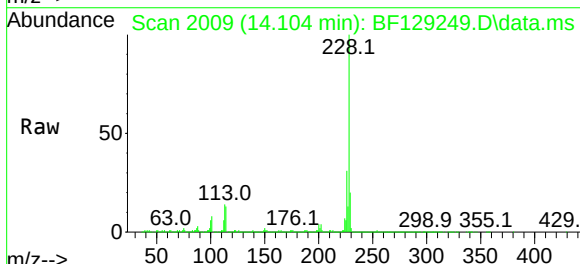
Manual Integrations
APPROVED

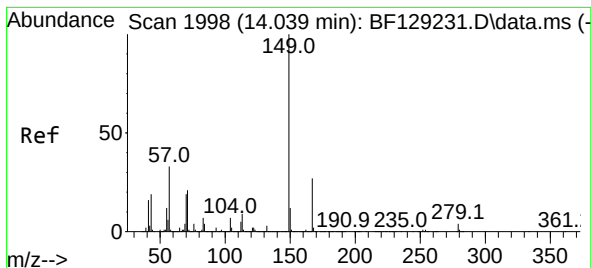
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#83
Chrysene
Concen: 50.157 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

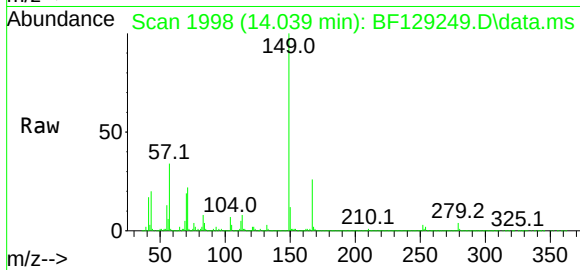
Tgt Ion:228 Resp: 1423815
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 20.5 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 59.608 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

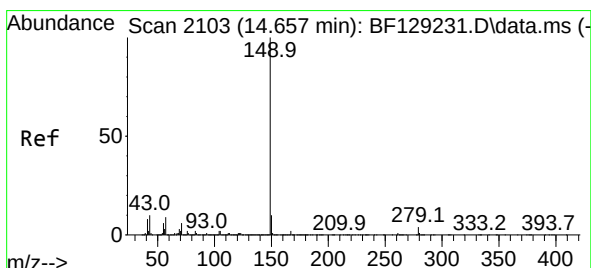
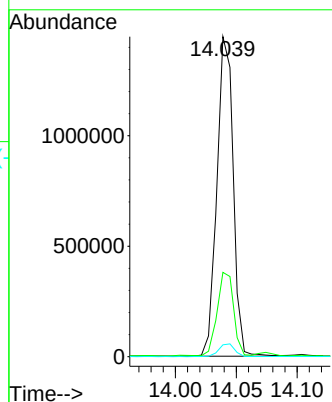
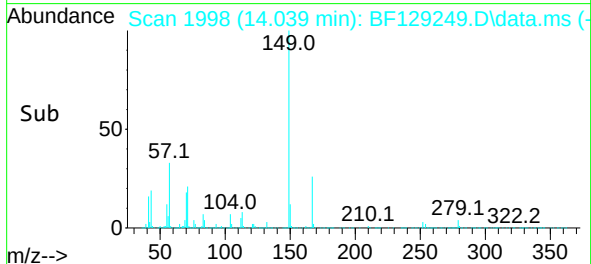
Instrument : BNA_F
ClientSampleId : PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:149 Resp: 1349138
Ion Ratio Lower Upper
149 100
167 26.4 21.0 31.4
279 3.7 3.1 4.7

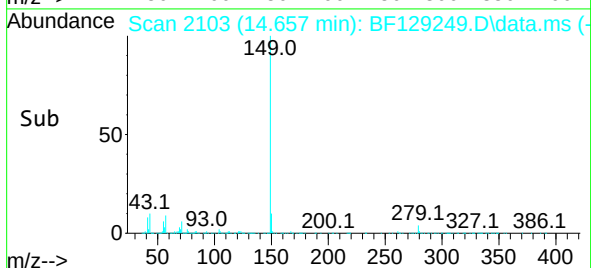
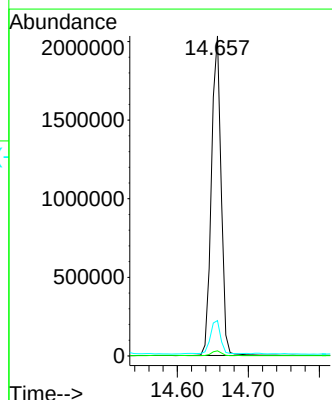
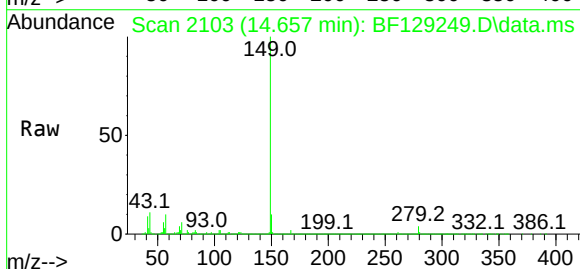
Manual Integrations
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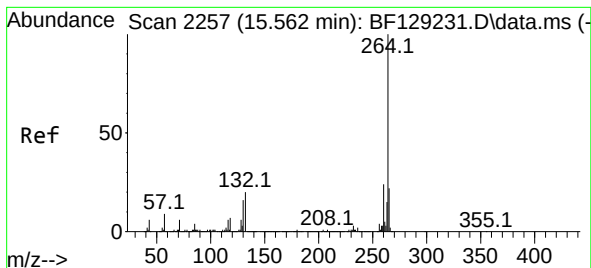
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#85
Di-n-octyl phthalate
Concen: 59.573 ng
RT: 14.657 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

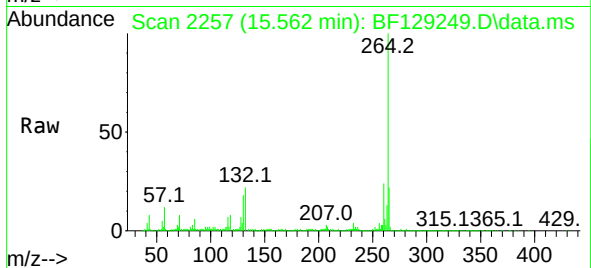
Tgt Ion:149 Resp: 1933928
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.6 9.2 13.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

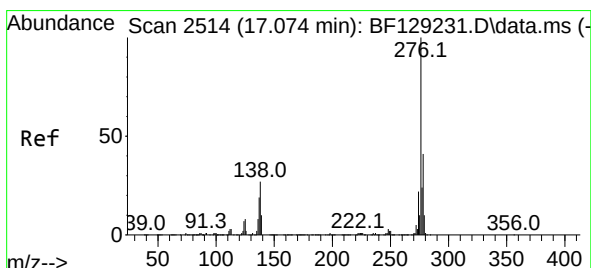
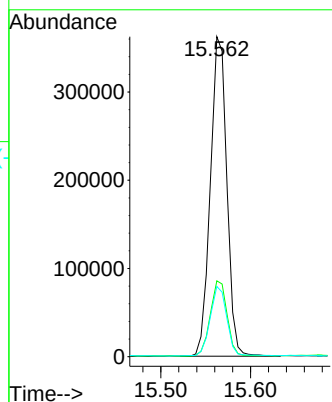
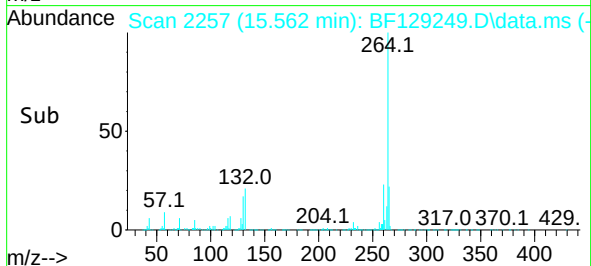
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



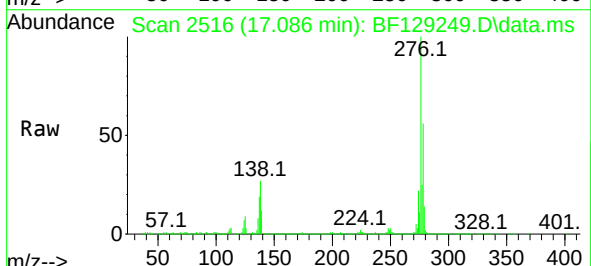
Tgt Ion:264 Resp: 462190
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 21.9 17.2 25.8

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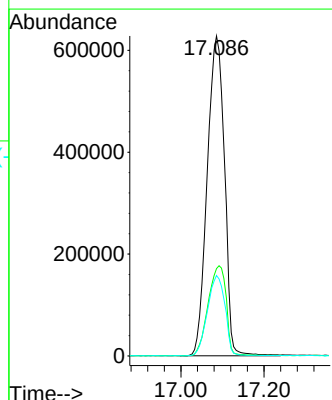
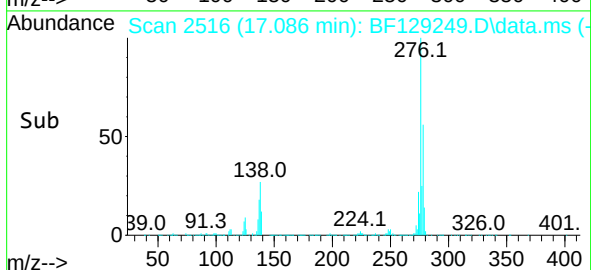
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

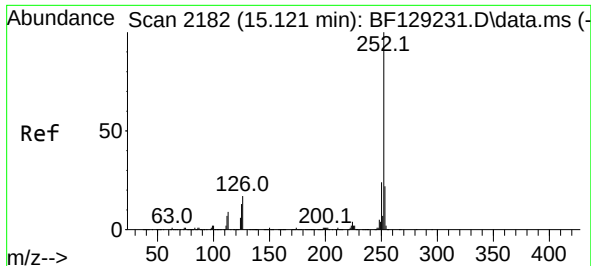


#87
Indeno(1,2,3-cd)pyrene
Concen: 62.887 ng
RT: 17.086 min Scan# 2516
Delta R.T. 0.012 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58



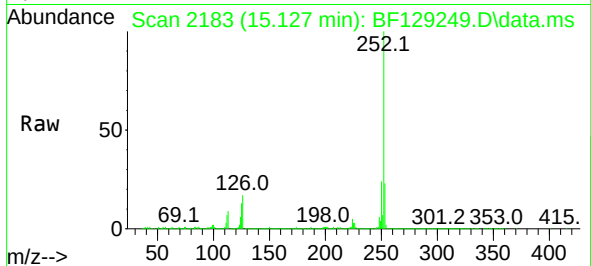
Tgt Ion:276 Resp: 1812420
Ion Ratio Lower Upper
276 100
138 29.3 21.1 31.7
277 25.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 59.439 ng m
RT: 15.127 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

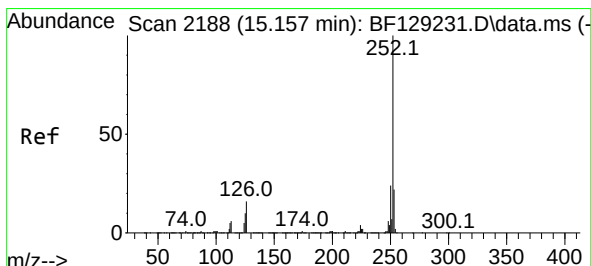
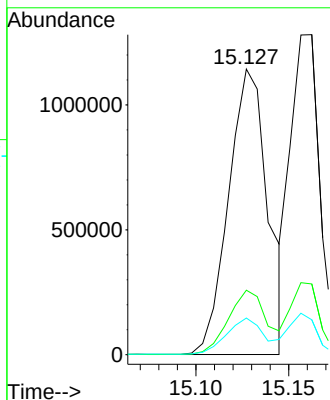
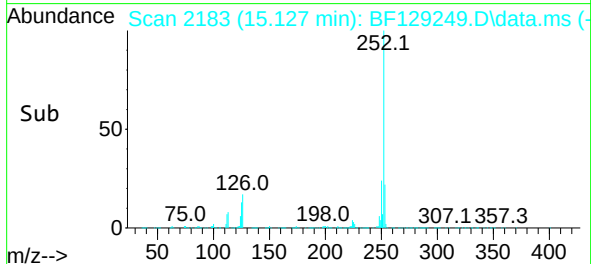
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMSD



Tgt Ion:252 Resp: 168769
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 12.8 8.0 12.0

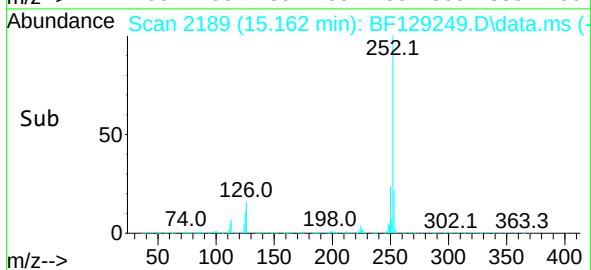
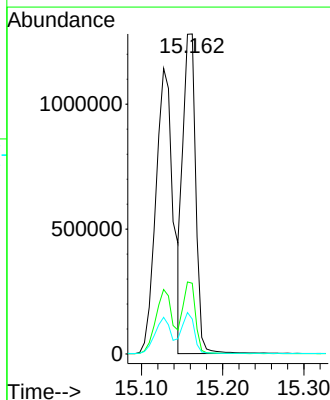
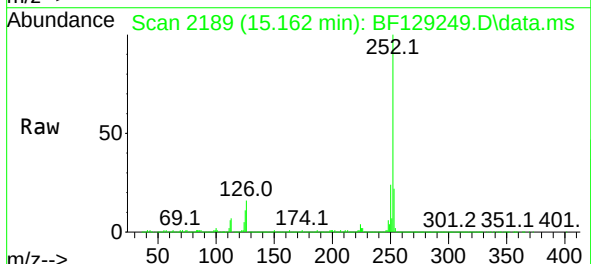
Manual Integrations
APPROVED

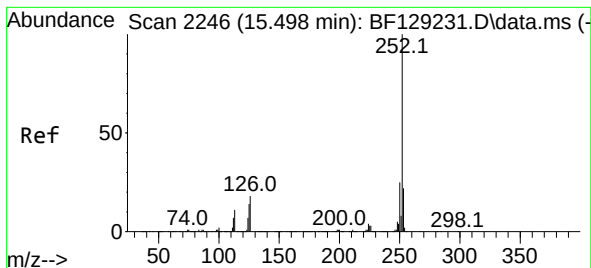
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#89
Benzo(k)fluoranthene
Concen: 50.662 ng
RT: 15.162 min Scan# 2189
Delta R.T. 0.006 min
Lab File: BF129249.D
Acq: 15 Jul 2022 20:58

Tgt Ion:252 Resp: 1405408
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 60.982 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMSD

Tgt Ion:252 Resp: 140960

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

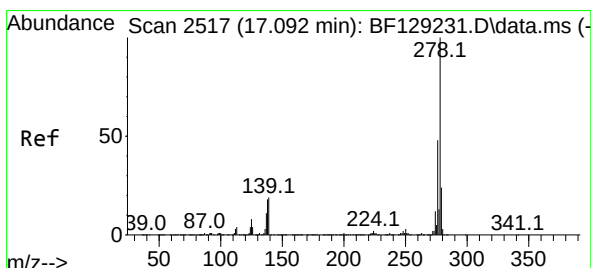
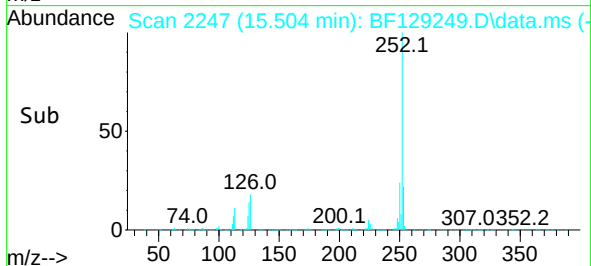
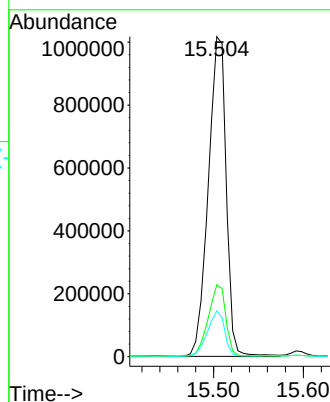
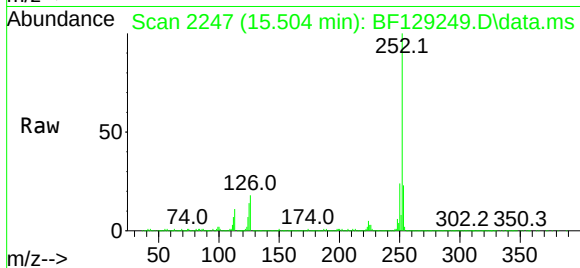
125 14.3 8.8 13.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/18/2022

Supervised By :Jagrut Upadhyay 07/18/2022



#91

Dibenzo(a,h)anthracene

Concen: 66.320 ng

RT: 17.103 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF129249.D

Acq: 15 Jul 2022 20:58

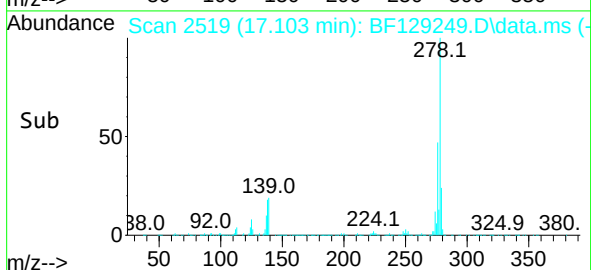
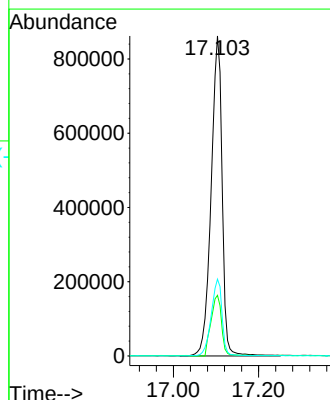
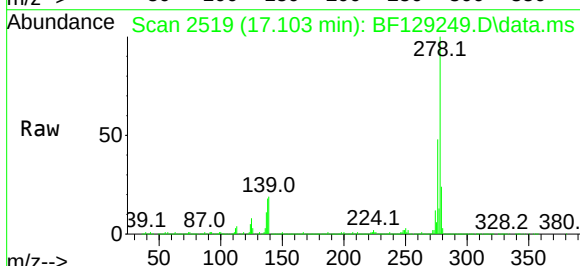
Tgt Ion:278 Resp: 1546054

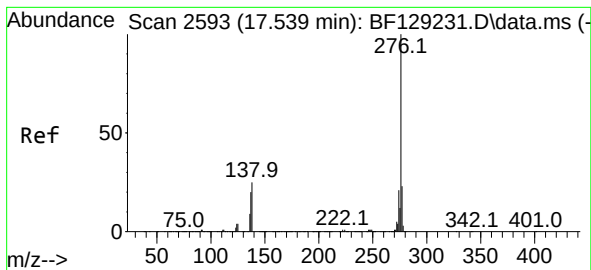
Ion Ratio Lower Upper

278 100

139 18.9 12.8 19.2

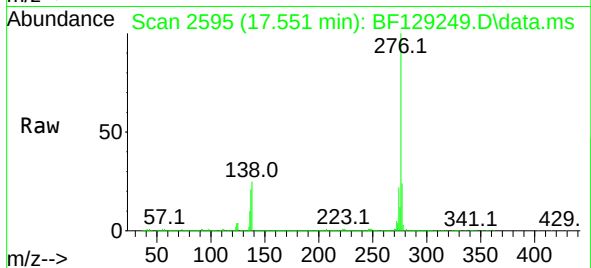
279 24.0 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 66.232 ng
 RT: 17.551 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF129249.D
 Acq: 15 Jul 2022 20:58

Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMSD



Tgt Ion: 276 Resp: 1578292
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.1 28.7
 138 25.0 18.0 27.0

Manual Integrations
 APPROVED

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

