

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

Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	246219	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	992008	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	495268	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	775093	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	459039	20.000	ng	# 0.00
86) Perylene-d12	15.562	264	457560	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1820595	118.090	ng	0.02
7) Phenol-d6	6.534	99	2216378	111.154	ng	0.00
23) Nitrobenzene-d5	7.463	82	1645419	88.664	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	601663	130.884	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2628818	89.926	ng	0.00
79) Terphenyl-d14	13.016	244	2044621	83.323	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	342576	48.774	ng	91
3) Pyridine	3.546	79	895668	49.586	ng	91
4) n-Nitrosodimethylamine	3.498	42	475423	55.722	ng	89
6) Aniline	6.563	93	1022700	43.657	ng	100
8) 2-Chlorophenol	6.687	128	905719	55.793	ng	98
9) Benzaldehyde	6.451	77	458661	37.482	ng	99
10) Phenol	6.545	94	1053575	52.601	ng	93
11) bis(2-Chloroethyl)ether	6.634	93	1016276	62.561	ng	93
12) 1,3-Dichlorobenzene	6.839	146	961912	55.719	ng	99
13) 1,4-Dichlorobenzene	6.916	146	969161	55.504	ng	99
14) 1,2-Dichlorobenzene	7.069	146	929084	57.085	ng	98
15) Benzyl Alcohol	7.045	79	842950	63.478	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1498516	57.893	ng	95
17) 2-Methylphenol	7.151	107	728073	53.355	ng	99
18) Hexachloroethane	7.410	117	376468	57.703	ng	# 89
19) n-Nitroso-di-n-propyla...	7.316	70	678736	57.872	ng	96
20) 3+4-Methylphenols	7.304	107	897849	53.534	ng	# 90
22) Acetophenone	7.310	105	1252906	54.729	ng	# 96
24) Nitrobenzene	7.486	77	1006875	57.035	ng	93
25) Isophorone	7.722	82	1901620	60.969	ng	100
26) 2-Nitrophenol	7.798	139	484920	54.684	ng	97
27) 2,4-Dimethylphenol	7.833	122	889599	64.515	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	1173803	56.498	ng	100
29) 2,4-Dichlorophenol	8.039	162	729190	53.193	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	750909	52.791	ng	96
31) Naphthalene	8.204	128	2624692	55.844	ng	99
32) Benzoic acid	7.957	122	449027	41.928	ng	# 75
33) 4-Chloroaniline	8.251	127	389165	19.967	ng	98
34) Hexachlorobutadiene	8.316	225	427653	53.441	ng	100
35) Caprolactam	8.686	113	209634	46.036	ng	91
36) 4-Chloro-3-methylphenol	8.733	107	817161	54.645	ng	98
37) 2-Methylnaphthalene	8.898	142	1752912	57.222	ng	99
38) 1-Methylnaphthalene	8.998	142	1643211	55.466	ng	98
40) 1,2,4,5-Tetrachloroben...	9.063	216	684677	55.604	ng	# 97
41) Hexachlorocyclopentadiene	9.045	237	537699	86.775	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	496179	54.722	ng	98

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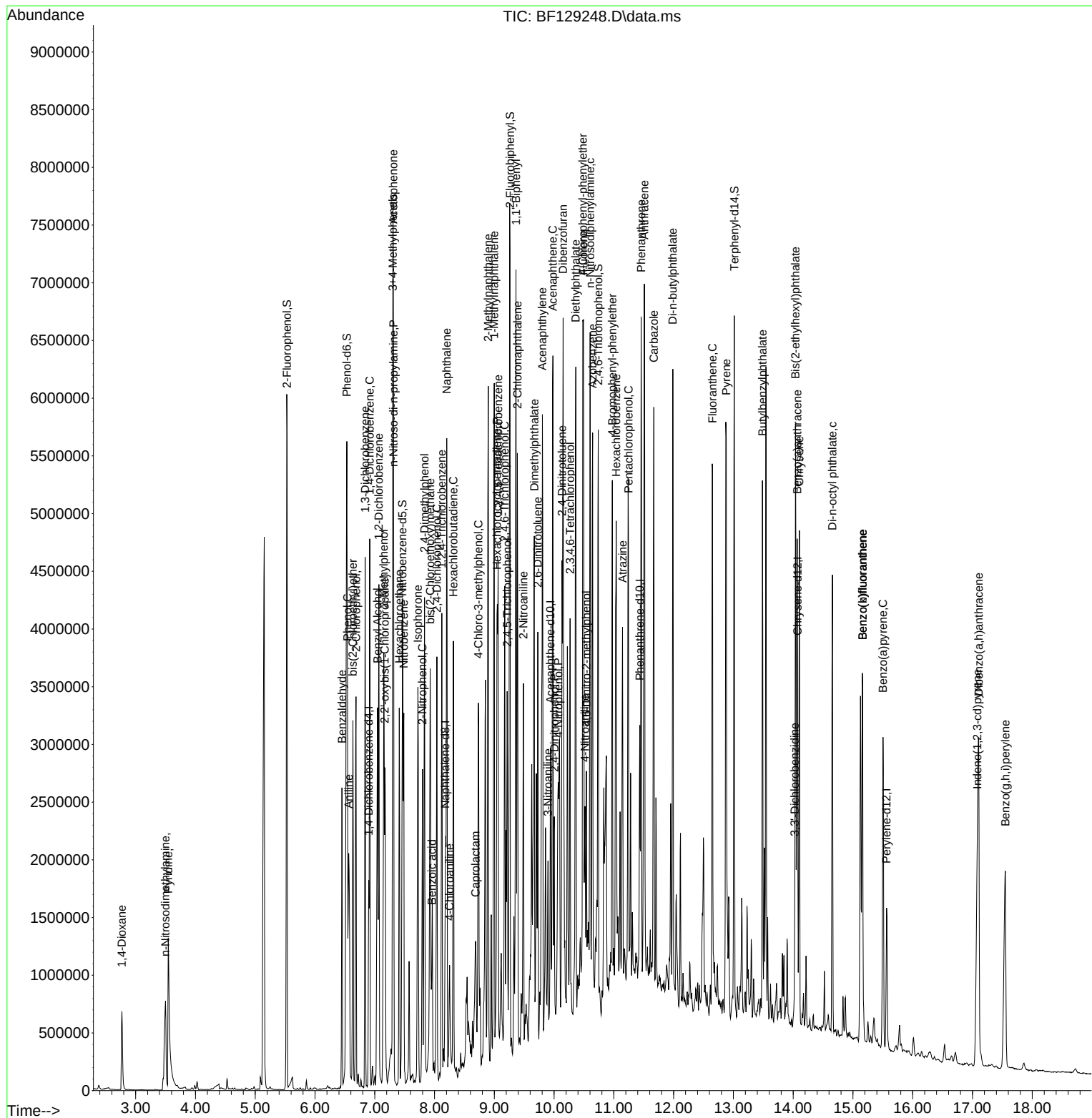
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44) 2,4,5-Trichlorophenol	9.216	196	521114	54.333	ng	# 91
46) 1,1'-Biphenyl	9.363	154	1932149	55.157	ng	99
47) 2-Chloronaphthalene	9.386	162	1548729	56.130	ng	99
48) 2-Nitroaniline	9.486	65	540059	58.259	ng	95
49) Acenaphthylene	9.804	152	2293372	55.223	ng	99
50) Dimethylphthalate	9.669	163	1805844	56.188	ng	100
51) 2,6-Dinitrotoluene	9.727	165	416553	59.896	ng	91
52) Acenaphthene	9.980	154	1512662	55.724	ng	99
53) 3-Nitroaniline	9.898	138	242270	29.173	ng	92
54) 2,4-Dinitrophenol	10.004	184	211654	56.784	ng	93
55) Dibenzofuran	10.151	168	2006216	52.062	ng	95
56) 4-Nitrophenol	10.069	139	555200	84.465	ng	97
57) 2,4-Dinitrotoluene	10.133	165	528280	57.927	ng	98
58) Fluorene	10.492	166	1600275	54.600	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	379559	51.229	ng	# 89
60) Diethylphthalate	10.363	149	1726364	55.545	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	716005	52.736	ng	# 86
62) 4-Nitroaniline	10.516	138	379350	46.139	ng	93
63) Azobenzene	10.645	77	1769988	53.350	ng	96
65) 4,6-Dinitro-2-methylph...	10.539	198	199315	40.700	ng	# 79
66) n-Nitrosodiphenylamine	10.604	169	1431319	57.879	ng	97
67) 4-Bromophenyl-phenylether	10.974	248	464740	56.959	ng	91
68) Hexachlorobenzene	11.039	284	482969	56.392	ng	93
69) Atrazine	11.145	200	415293	60.575	ng	95
70) Pentachlorophenol	11.245	266	509317	100.006	ng	99
71) Phenanthrene	11.457	178	2177269	55.328	ng	99
72) Anthracene	11.510	178	2135645	54.633	ng	99
73) Carbazole	11.669	167	1945510	49.895	ng	99
74) Di-n-butylphthalate	11.986	149	2497747	55.741	ng	97
75) Fluoranthene	12.651	202	1935105	49.375	ng	99
78) Pyrene	12.880	202	1893300	50.922	ng	99
80) Butylbenzylphthalate	13.486	149	887687	53.603	ng	98
81) Benzo(a)anthracene	14.068	228	1485445	51.302	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	207840	28.695	ng	# 96
83) Chrysene	14.104	228	1380285	49.942	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	1308791	59.394	ng	98
85) Di-n-octyl phthalate	14.657	149	1870214	59.173	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1799275	63.062	ng	97
88) Benzo(b)fluoranthene	15.162	252	1364581	48.545	ng	99
89) Benzo(k)fluoranthene	15.162	252	1364581	49.688	ng	99
90) Benzo(a)pyrene	15.504	252	1387799	60.646	ng	# 96
91) Dibenzo(a,h)anthracene	17.103	278	1533621	66.452	ng	# 96
92) Benzo(g,h,i)perylene	17.551	276	1582521	67.082	ng	98

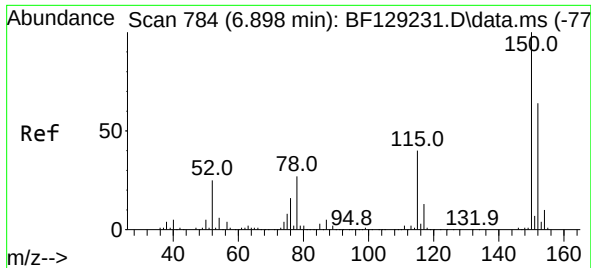
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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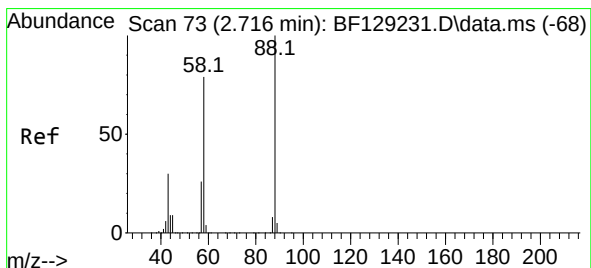
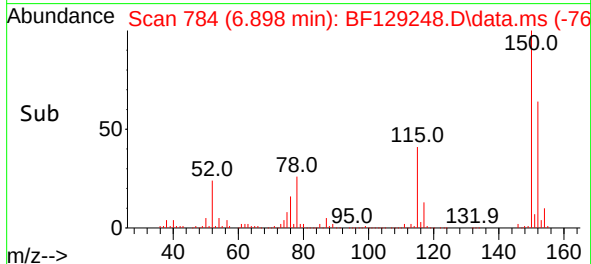
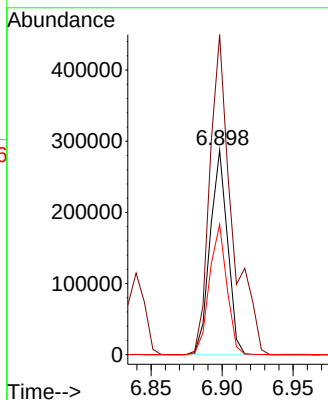
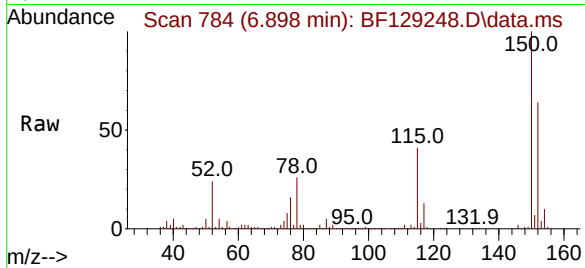




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

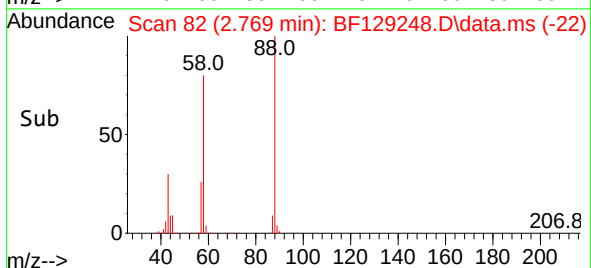
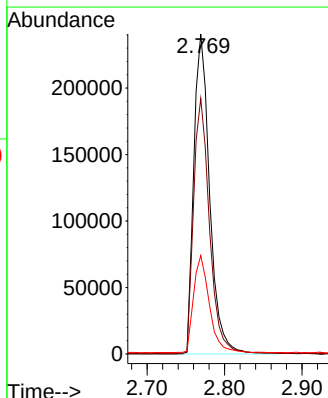
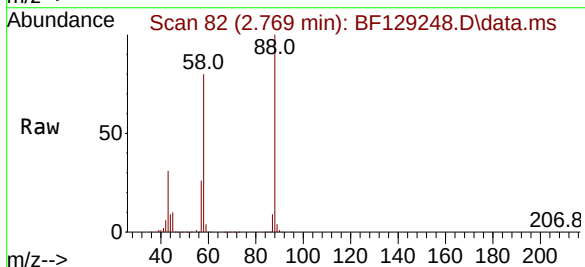
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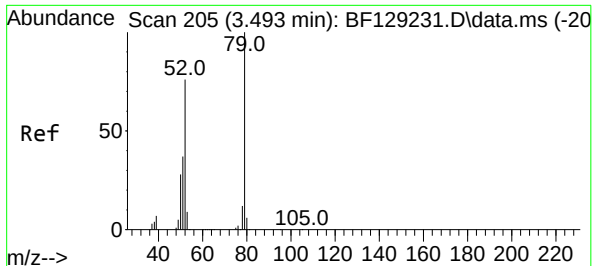
Tgt Ion:152 Resp: 246219
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.7 185.5
 115 63.7 49.9 74.9



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

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

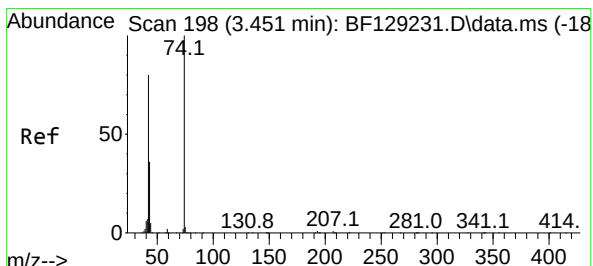
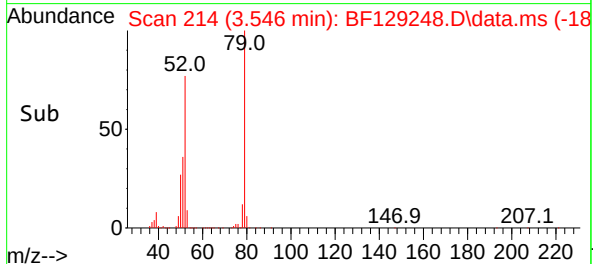
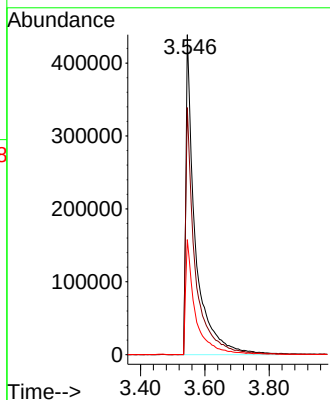
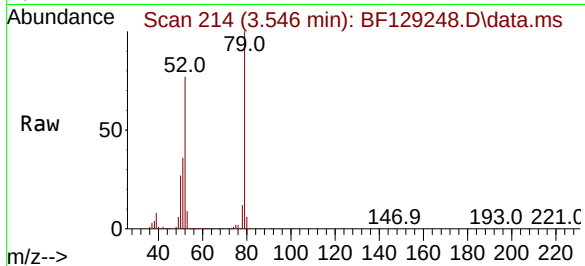




#3
 Pyridine
 Concen: 49.586 ng
 RT: 3.546 min Scan# 214
 Delta R.T. 0.053 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

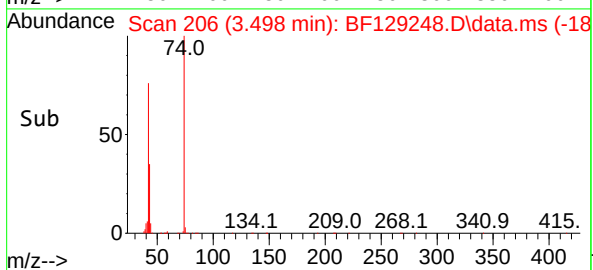
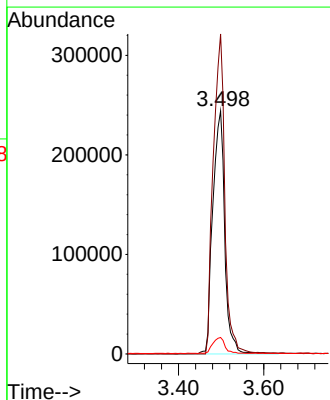
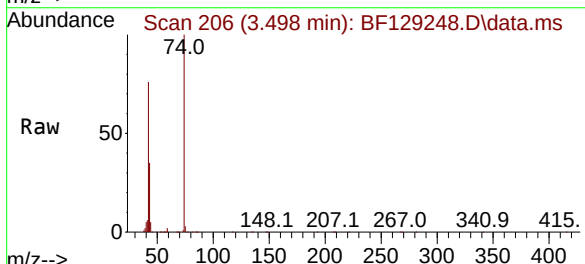
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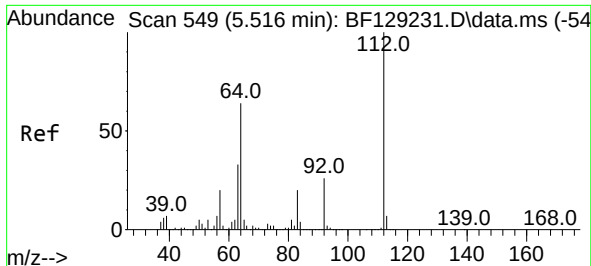
Tgt Ion: 79 Resp: 895668
 Ion Ratio Lower Upper
 79 100
 52 77.2 68.6 102.8
 51 36.0 32.9 49.3



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

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

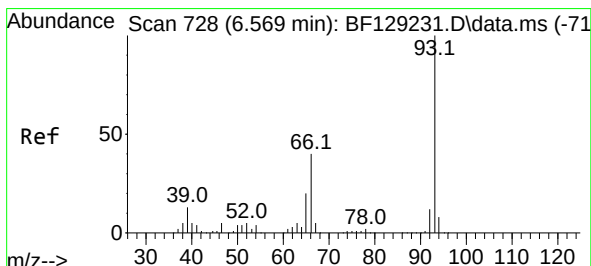
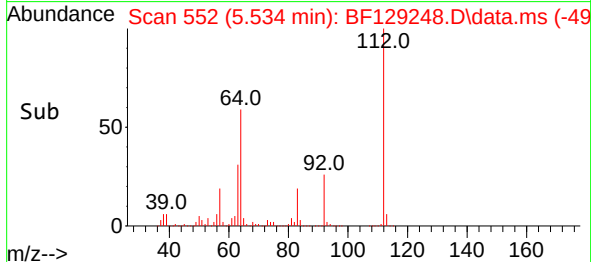
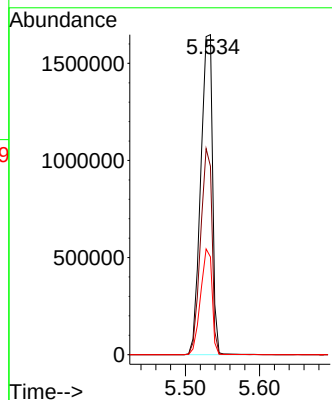
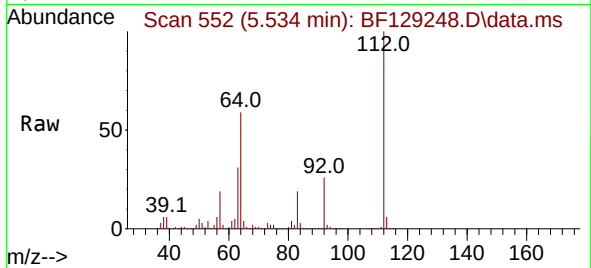




#5
2-Fluorophenol
Concen: 118.090 ng
RT: 5.534 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

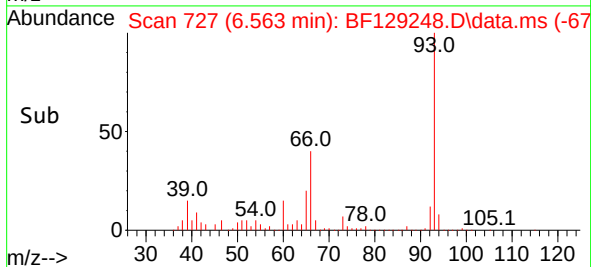
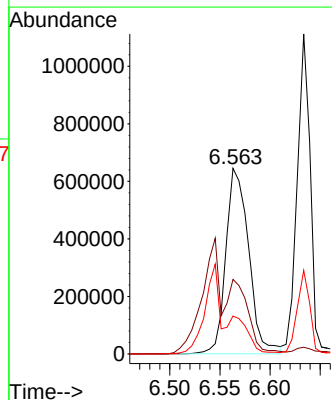
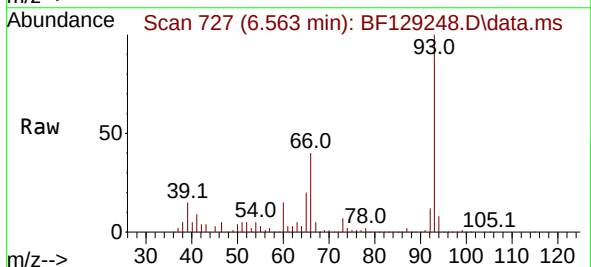
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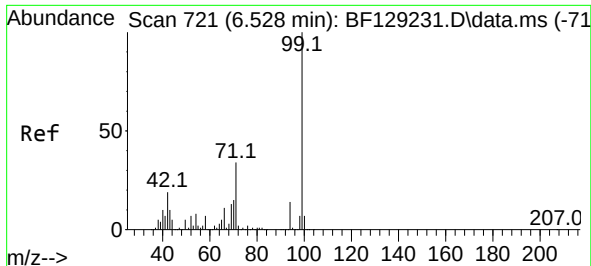
Tgt Ion:112 Resp: 1820595
Ion Ratio Lower Upper
112 100
64 58.9 53.3 79.9
63 30.6 28.0 42.0



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

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

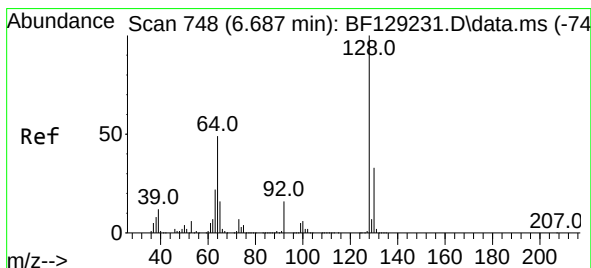
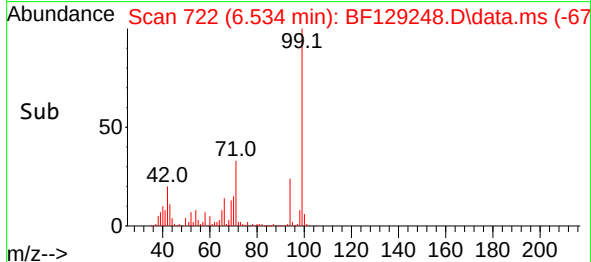
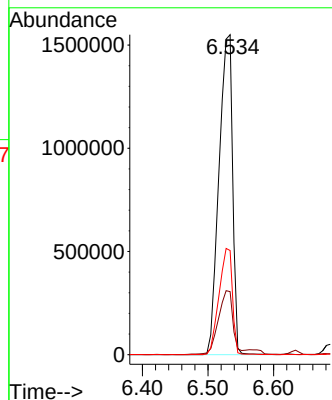
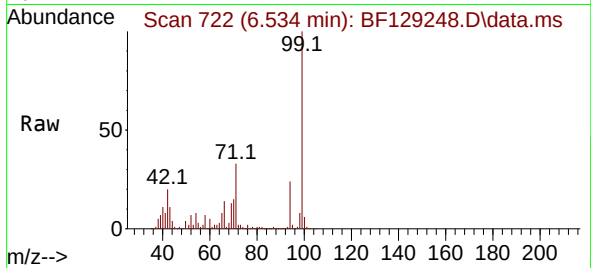




#7
Phenol-d6
Concen: 111.154 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

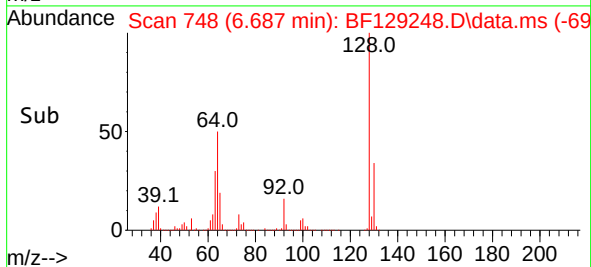
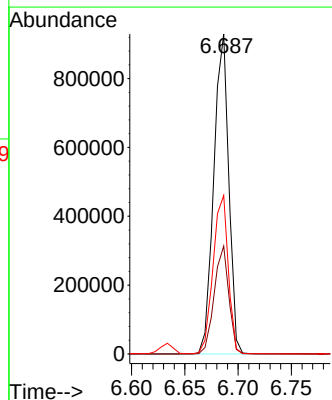
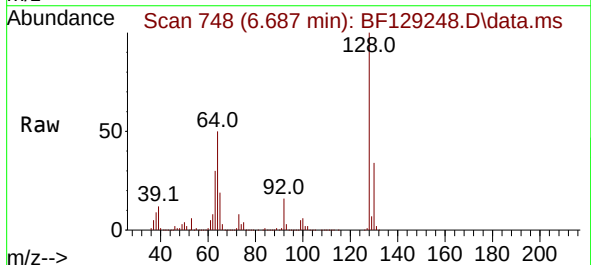
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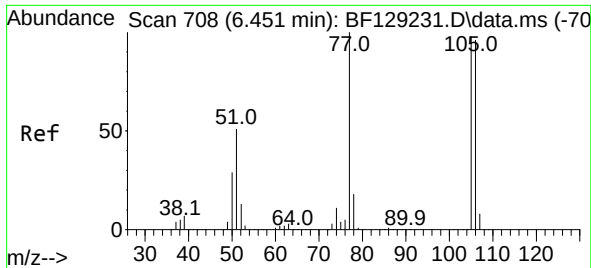
Tgt Ion: 99 Resp: 2216378
Ion Ratio Lower Upper
99 100
42 19.7 17.3 25.9
71 32.6 28.9 43.3



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

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



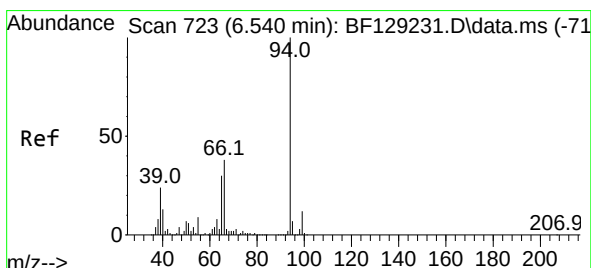
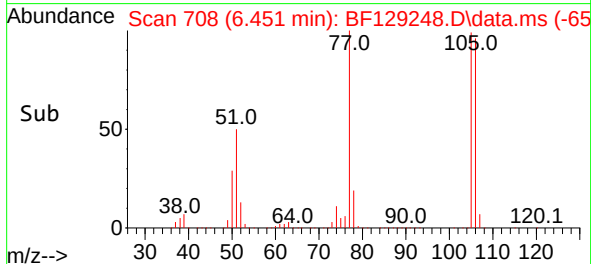
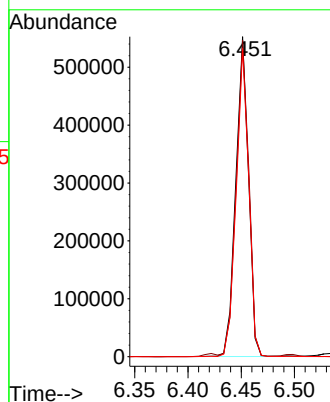
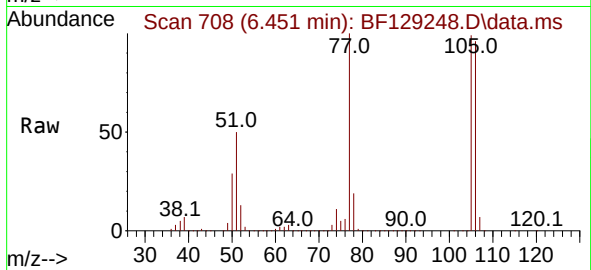


#9
Benzaldehyde
Concen: 37.482 ng
RT: 6.451 min Scan# 708
Delta R.T. -0.000 min
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ClientSampleId : PIPELINE-PIGGING-TK2045LMS

Tgt Ion: 77 Resp: 458661

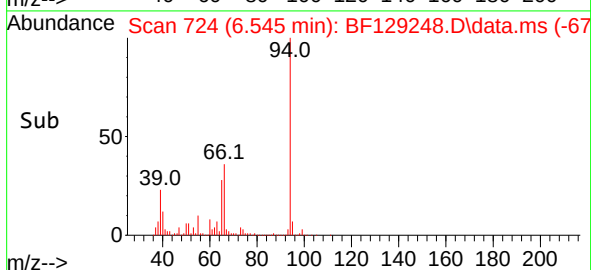
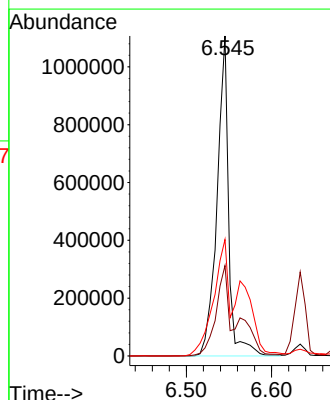
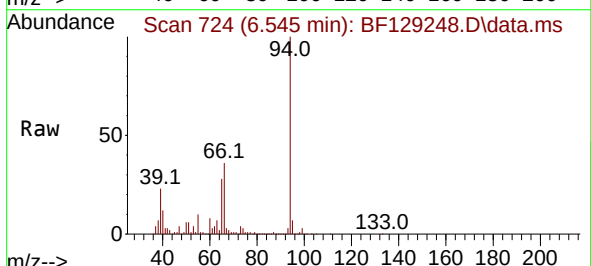
Ion	Ratio	Lower	Upper
77	100		
105	99.0	81.6	121.6
106	96.3	76.1	116.1

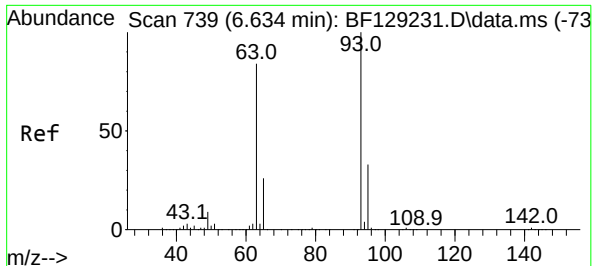


#10
Phenol
Concen: 52.601 ng
RT: 6.545 min Scan# 724
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion: 94 Resp: 1053575

Ion	Ratio	Lower	Upper
94	100		
65	28.2	11.4	51.4
66	36.4	21.4	61.4



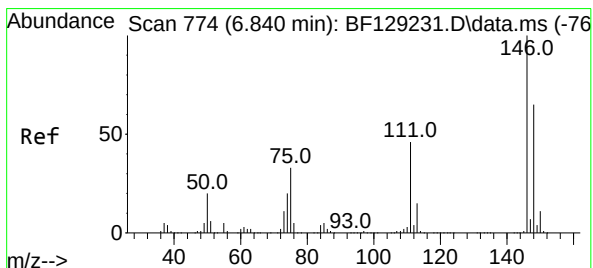
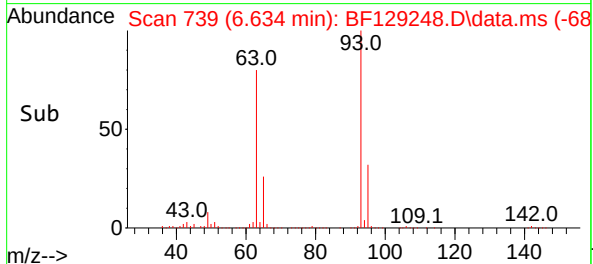
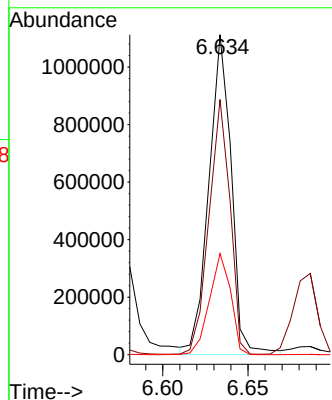
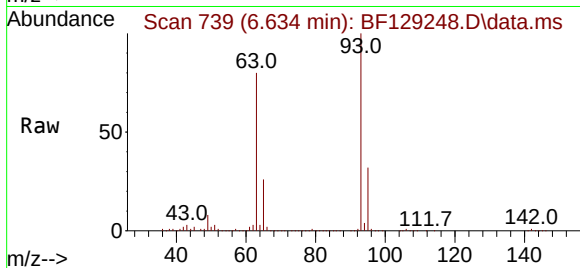


#11
bis(2-Chloroethyl)ether
Concen: 62.561 ng
RT: 6.634 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

Tgt Ion: 93 Resp: 1016276

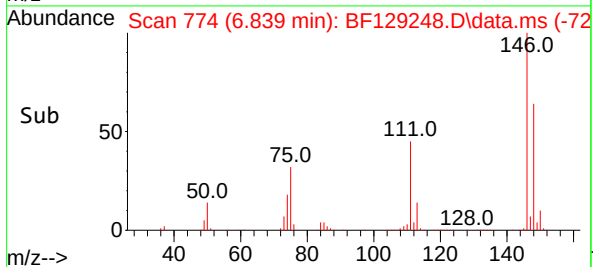
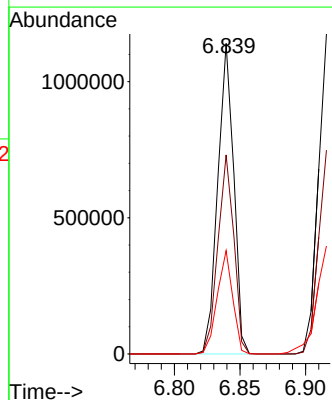
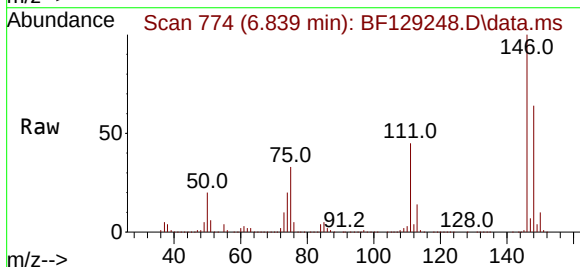
Ion	Ratio	Lower	Upper
93	100		
63	79.7	67.4	107.4
95	31.6	12.7	52.7

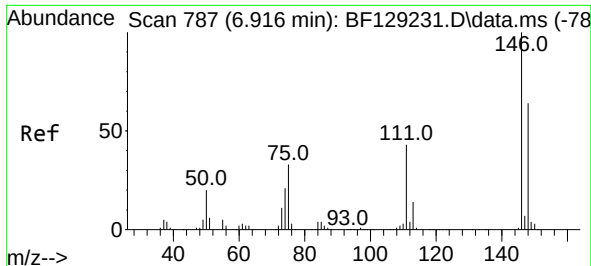


#12
1,3-Dichlorobenzene
Concen: 55.719 ng
RT: 6.839 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:146 Resp: 961912

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	75.8
75	33.3	26.3	39.5





#13

1,4-Dichlorobenzene

Concen: 55.504 ng

RT: 6.916 min Scan# 787

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

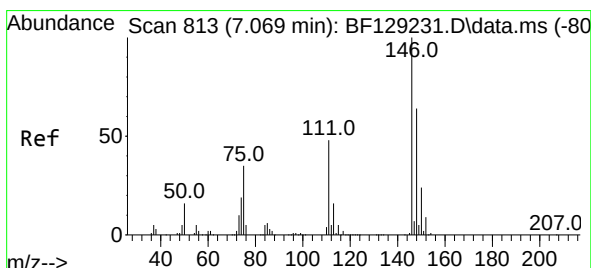
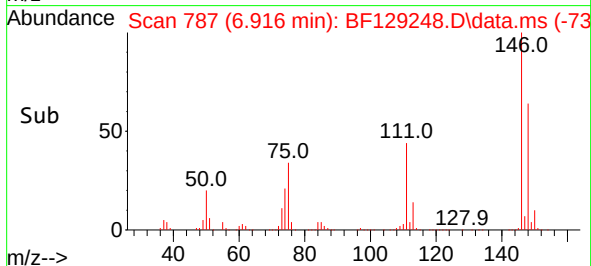
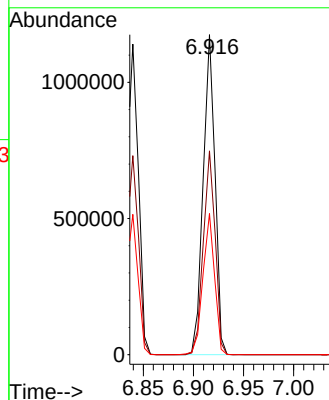
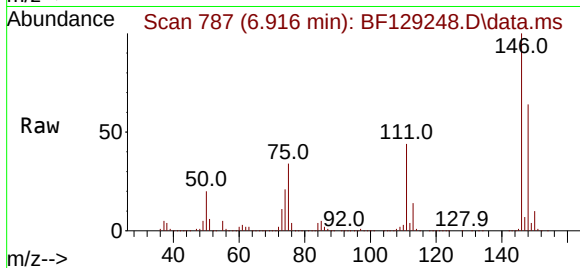
Tgt Ion:146 Resp: 969161

Ion Ratio Lower Upper

146 100

148 63.7 51.1 76.7

111 44.1 34.2 51.4



#14

1,2-Dichlorobenzene

Concen: 57.085 ng

RT: 7.069 min Scan# 813

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

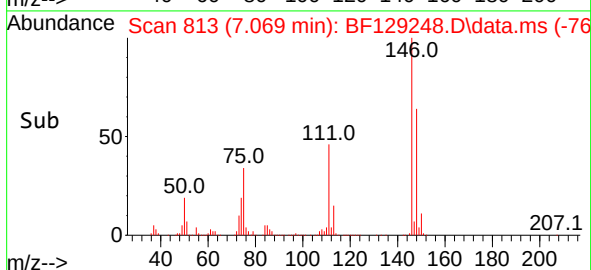
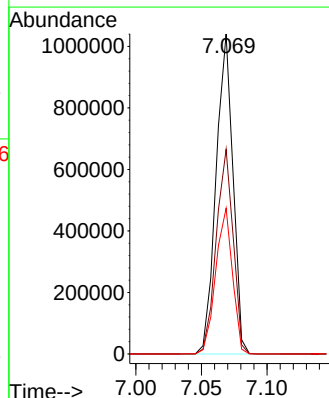
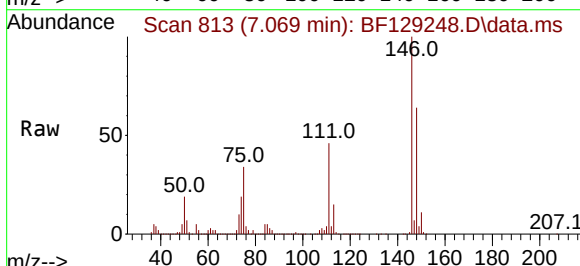
Tgt Ion:146 Resp: 929084

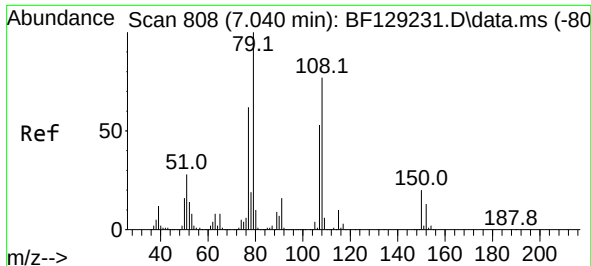
Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.8

111 45.5 35.1 52.7

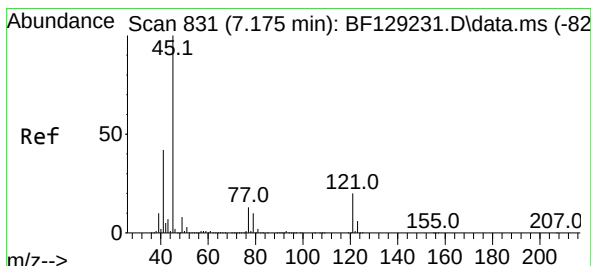
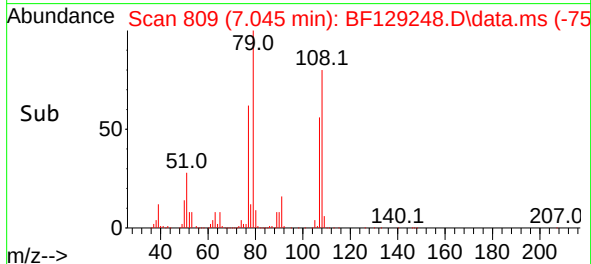
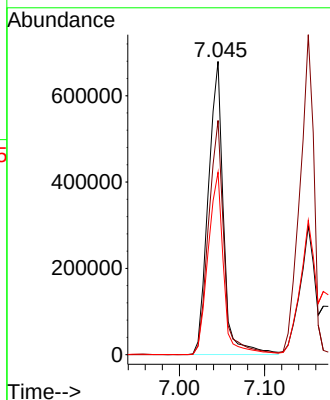
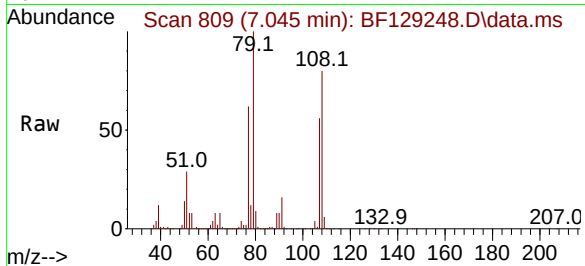




#15
Benzyl Alcohol
Concen: 63.478 ng
RT: 7.045 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

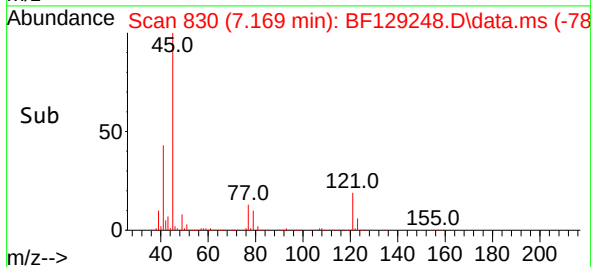
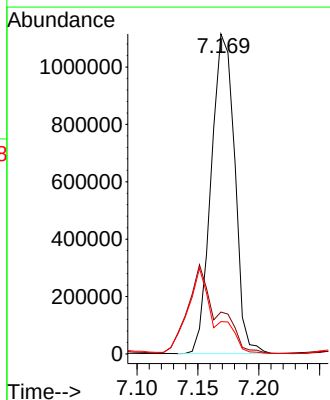
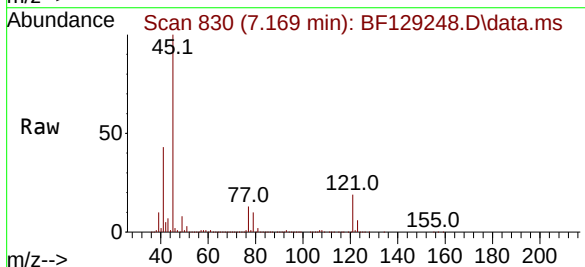
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

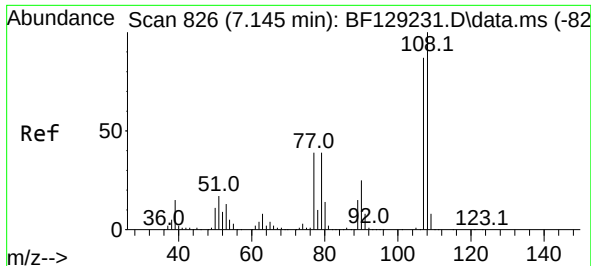
Tgt Ion: 79 Resp: 842950
Ion Ratio Lower Upper
79 100
108 79.9 61.8 92.6
77 62.2 50.2 75.4



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

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





#17

2-Methylphenol

Concen: 53.355 ng

RT: 7.151 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF129248.D

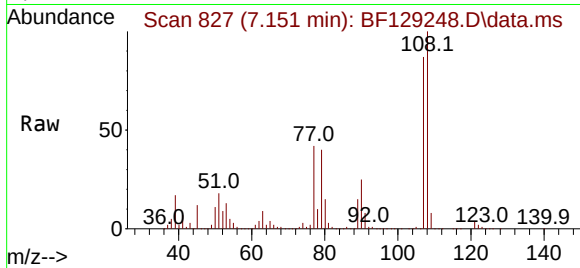
Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS



Tgt Ion:107 Resp: 728073

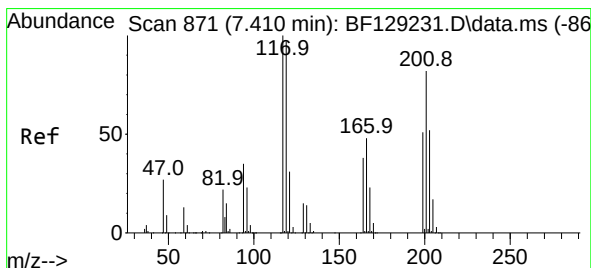
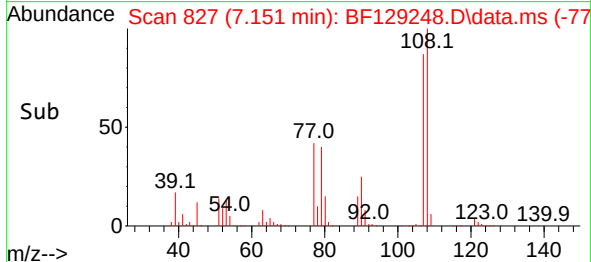
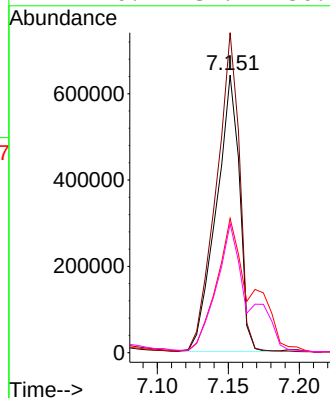
Ion Ratio Lower Upper

107 100

108 115.3 91.9 137.9

77 48.4 37.8 56.8

79 46.4 37.4 56.0



#18

Hexachloroethane

Concen: 57.703 ng

RT: 7.410 min Scan# 871

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

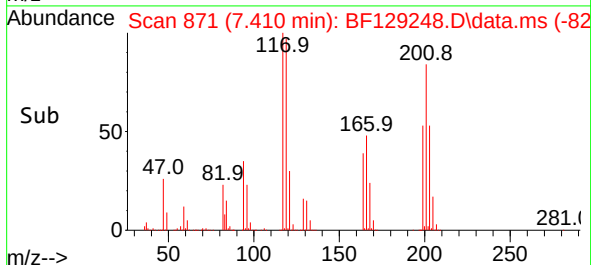
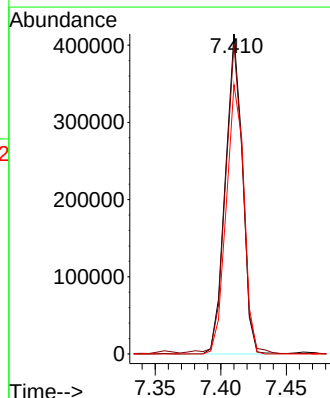
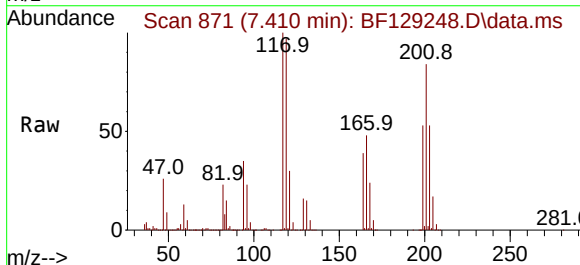
Tgt Ion:117 Resp: 376468

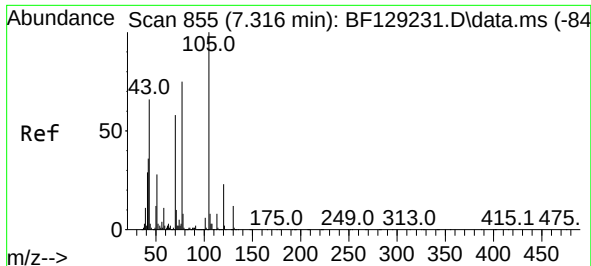
Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.2

201 84.2 84.6 127.0#

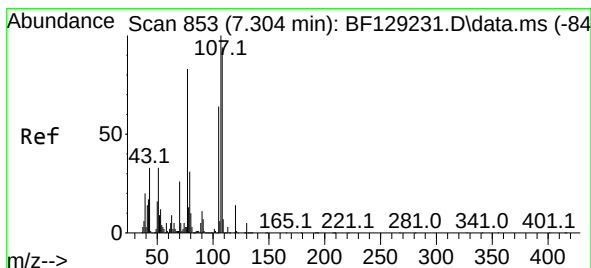
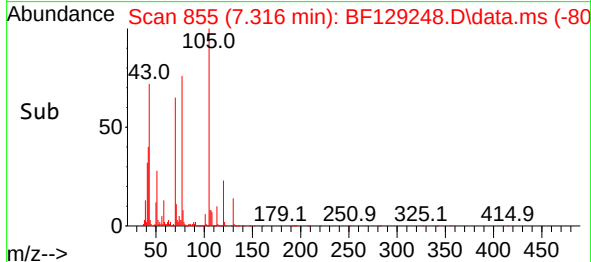
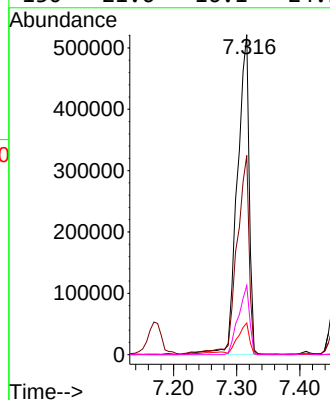
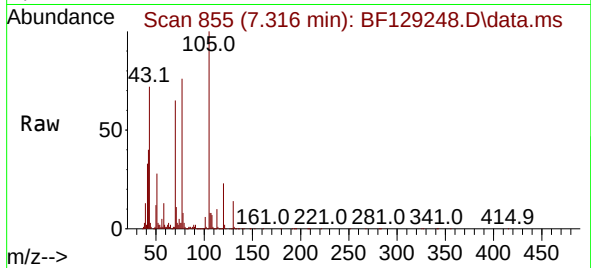




#19
n-Nitroso-di-n-propylamine
Concen: 57.872 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

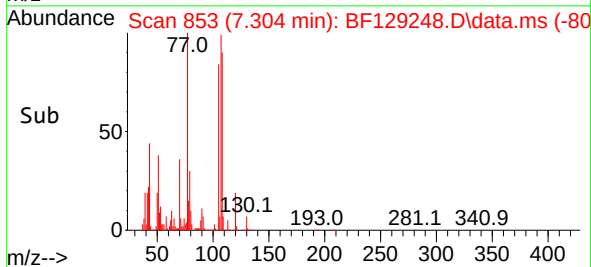
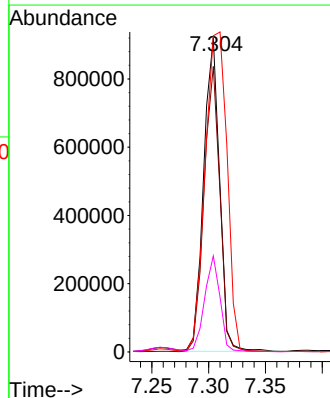
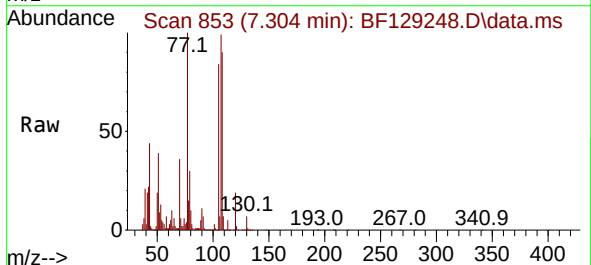
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

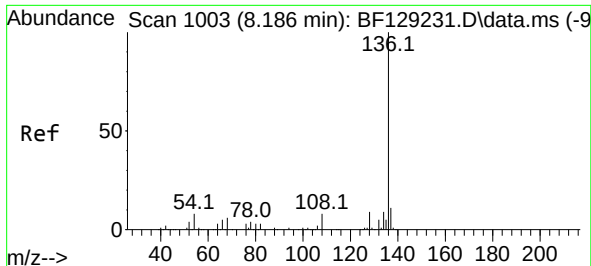
Tgt Ion: 70 Resp: 678736
Ion Ratio Lower Upper
70 100
42 62.2 52.3 78.5
101 9.9 7.5 11.3
130 21.6 16.1 24.1



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

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

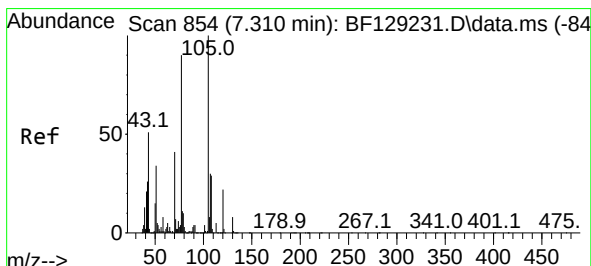
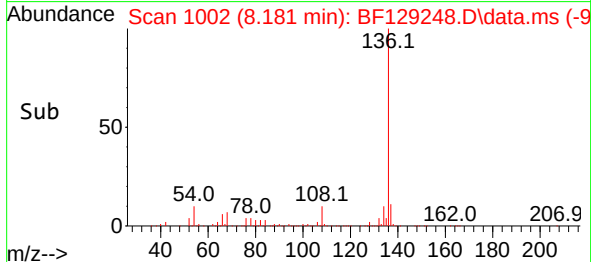
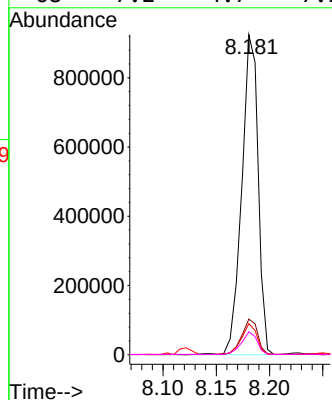
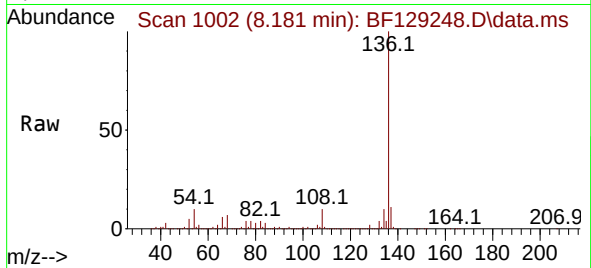




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

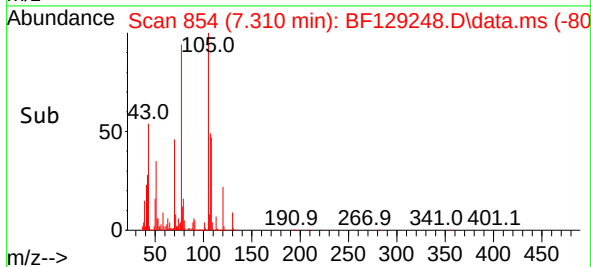
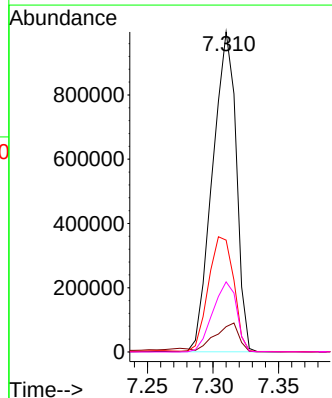
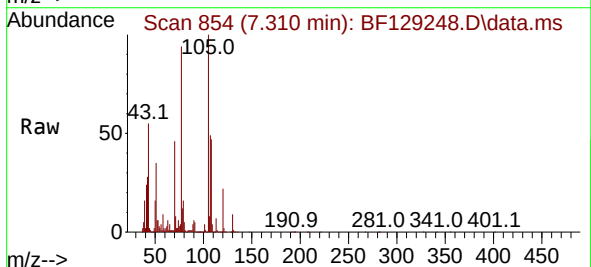
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

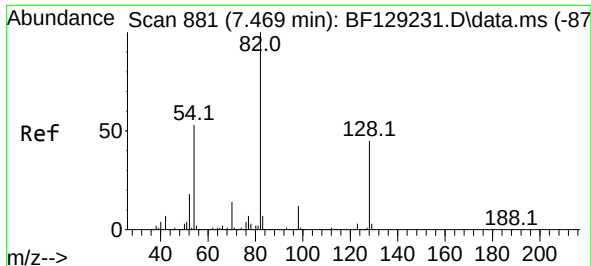
Tgt Ion:136 Resp: 992008
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.7 7.5 11.3
68 7.2 4.7 7.1#



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

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





#23

Nitrobenzene-d5

Concen: 88.664 ng

RT: 7.463 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

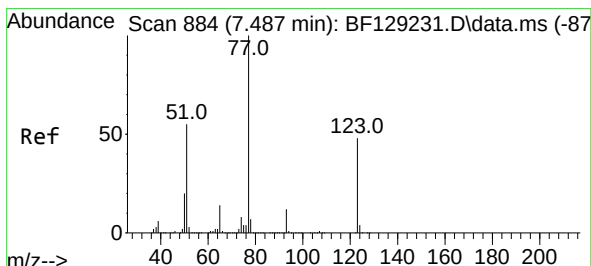
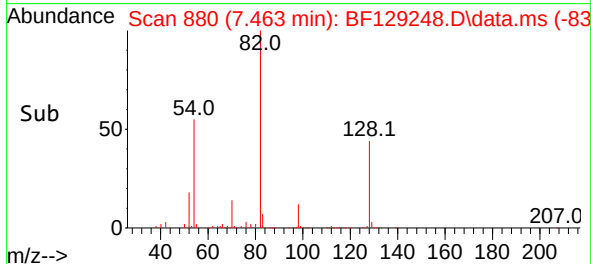
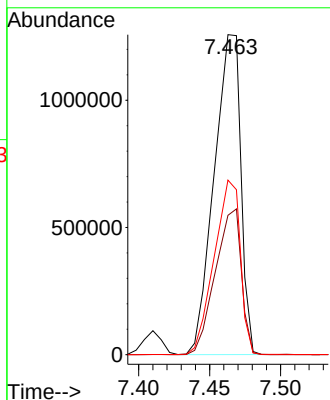
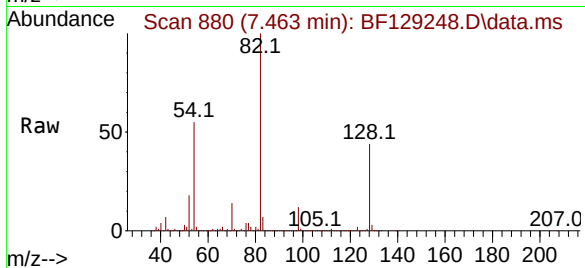
Tgt Ion: 82 Resp: 1645419

Ion Ratio Lower Upper

82 100

128 43.5 34.0 51.0

54 54.5 46.9 70.3



#24

Nitrobenzene

Concen: 57.035 ng

RT: 7.486 min Scan# 884

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

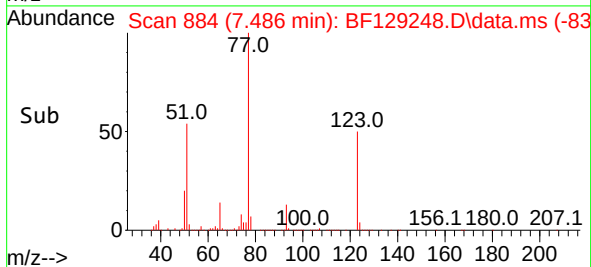
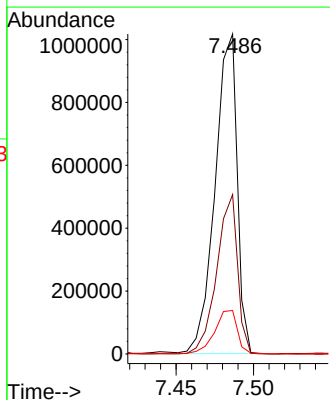
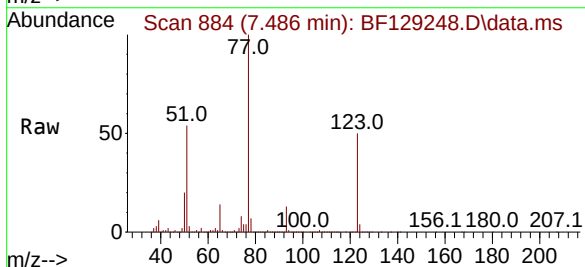
Tgt Ion: 77 Resp: 1006875

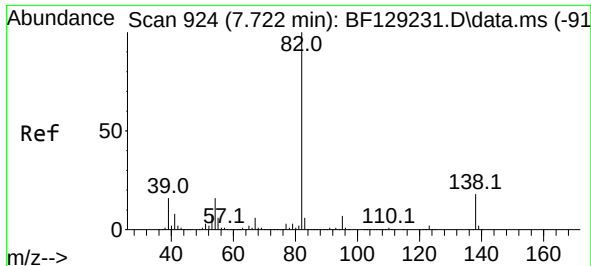
Ion Ratio Lower Upper

77 100

123 49.8 35.4 53.2

65 13.6 11.8 17.8

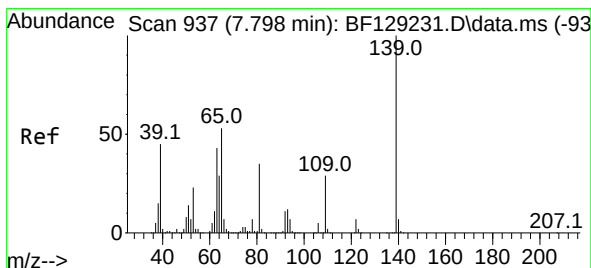
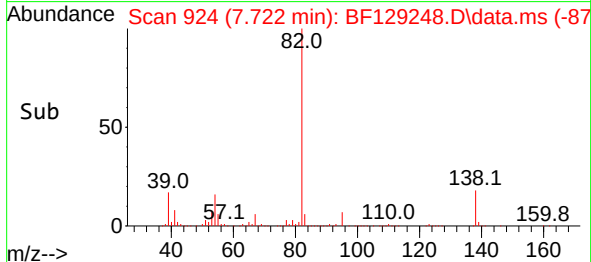
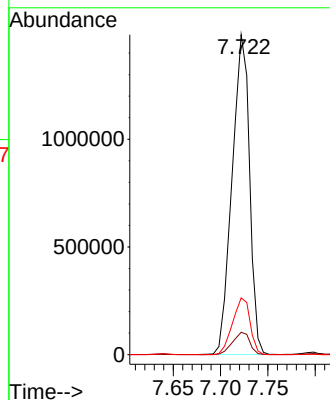
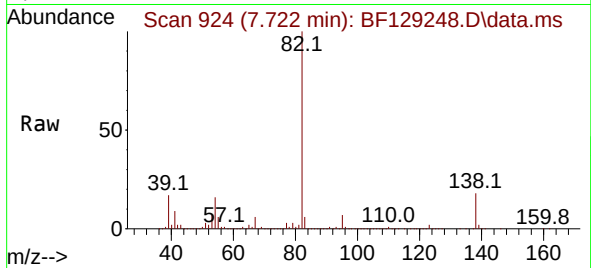




#25
Isophorone
Concen: 60.969 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

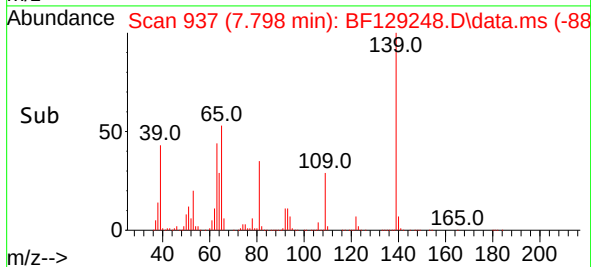
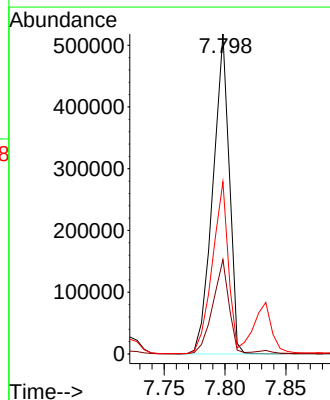
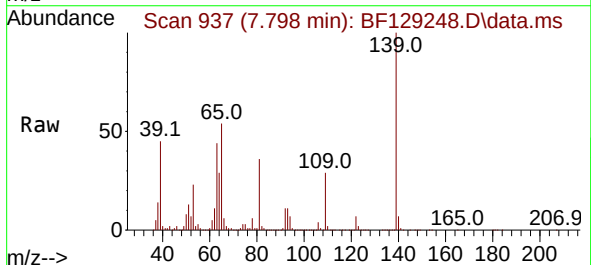
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

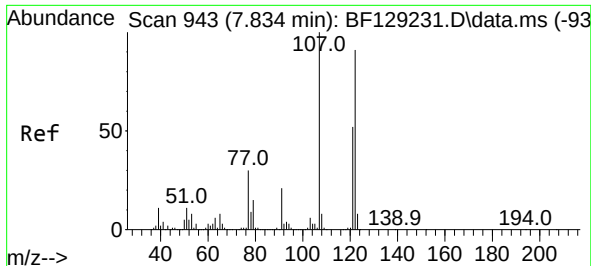
Tgt Ion: 82 Resp: 1901620
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 17.8 14.2 21.2



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

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





#27

2,4-Dimethylphenol

Concen: 64.515 ng

RT: 7.833 min Scan# 943

Delta R.T. -0.000 min

Lab File: BF129248.D

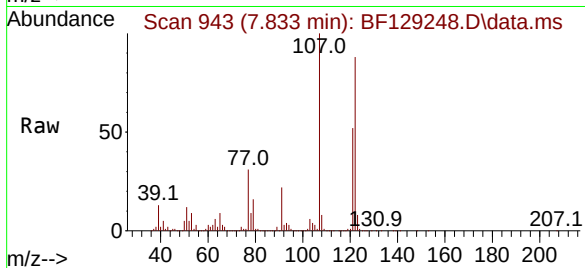
Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS



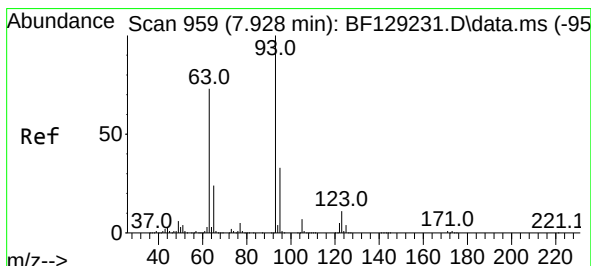
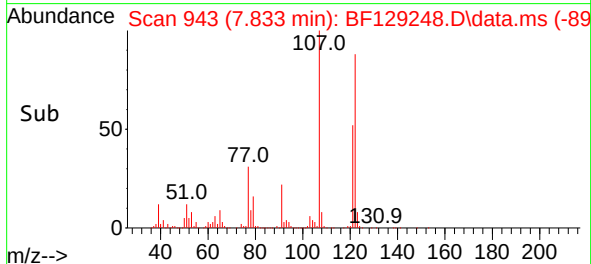
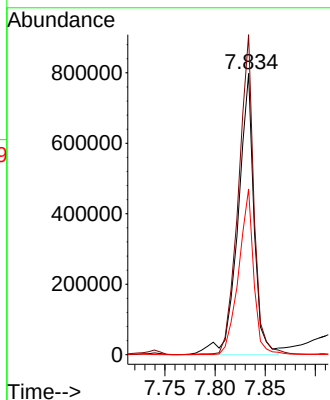
Tgt Ion:122 Resp: 889599

Ion Ratio Lower Upper

122 100

107 113.8 93.0 139.6

121 59.0 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 56.498 ng

RT: 7.928 min Scan# 959

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

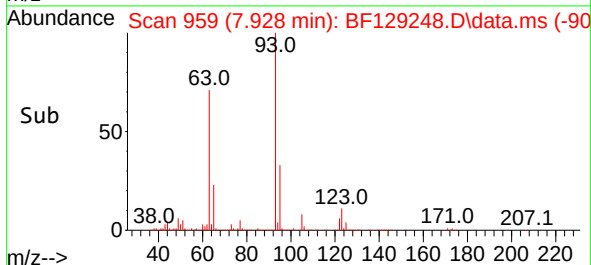
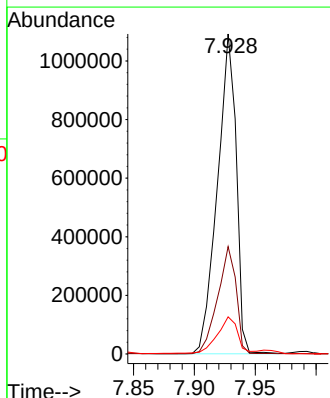
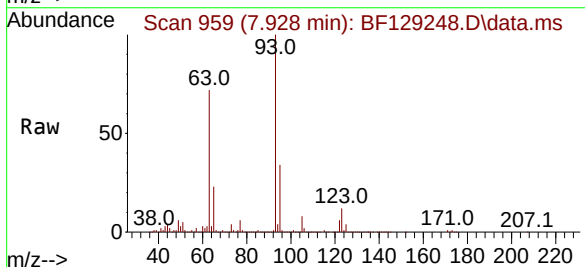
Tgt Ion: 93 Resp: 1173803

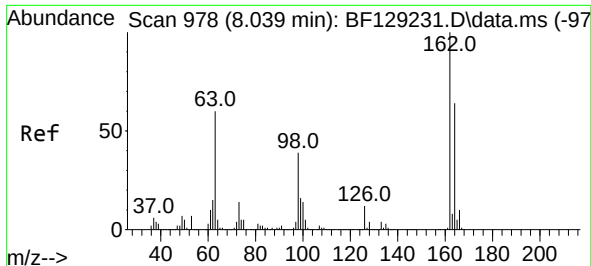
Ion Ratio Lower Upper

93 100

95 33.5 26.8 40.2

123 11.6 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 53.193 ng

RT: 8.039 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

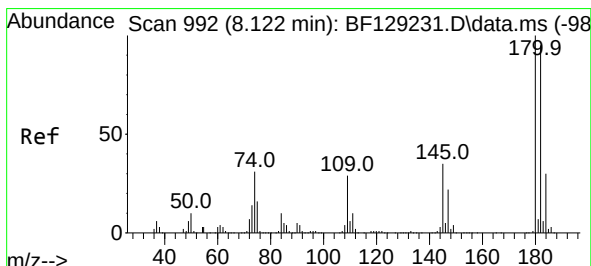
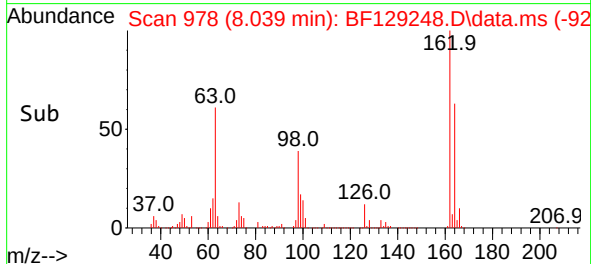
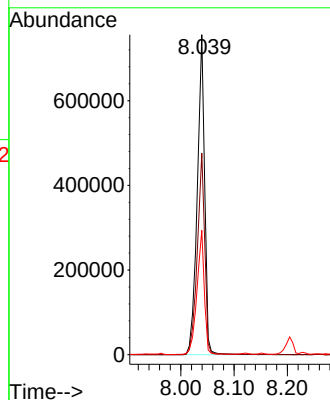
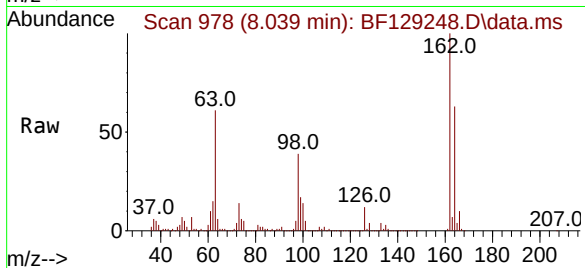
Tgt Ion:162 Resp: 729190

Ion Ratio Lower Upper

162 100

164 63.0 44.2 84.2

98 38.8 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 52.791 ng

RT: 8.122 min Scan# 992

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

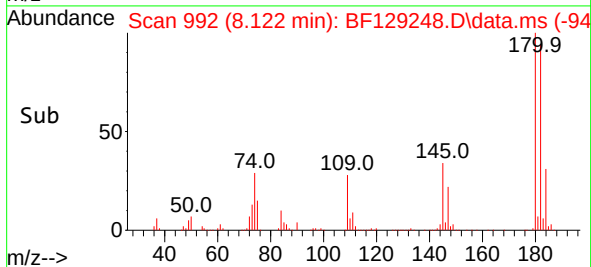
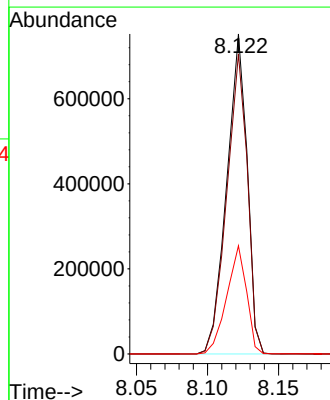
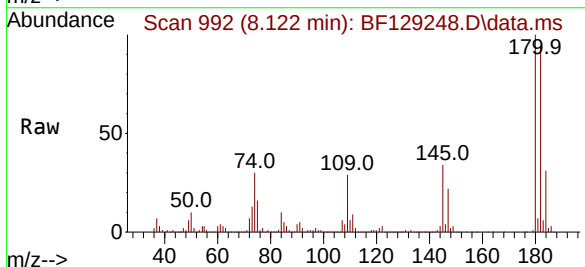
Tgt Ion:180 Resp: 750909

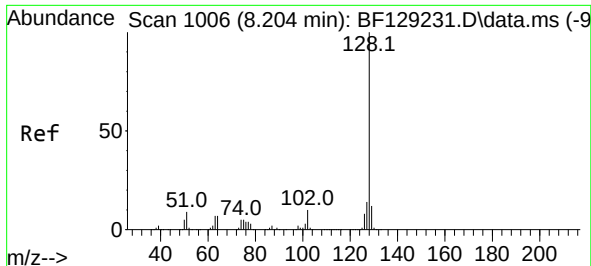
Ion Ratio Lower Upper

180 100

182 93.8 79.2 118.8

145 33.8 26.2 39.2

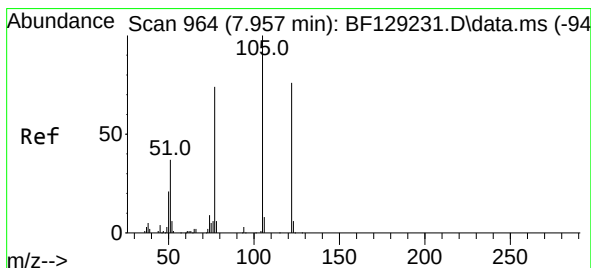
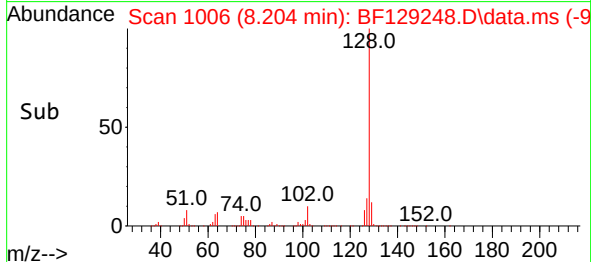
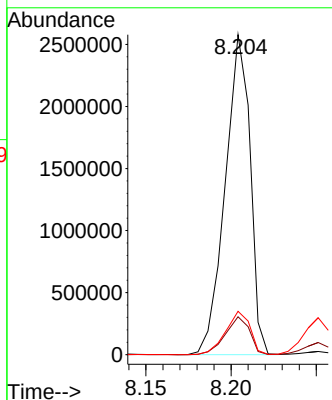
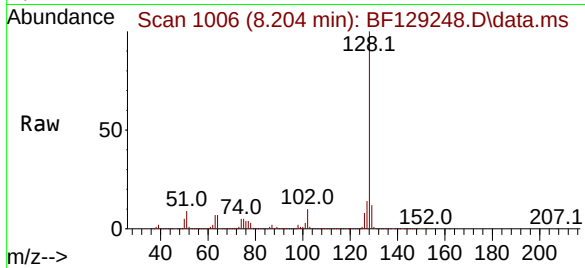




#31
Naphthalene
Concen: 55.844 ng
RT: 8.204 min Scan# 1006
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

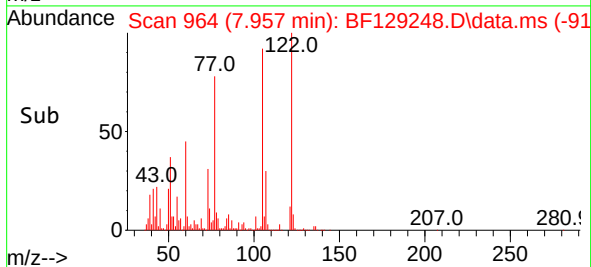
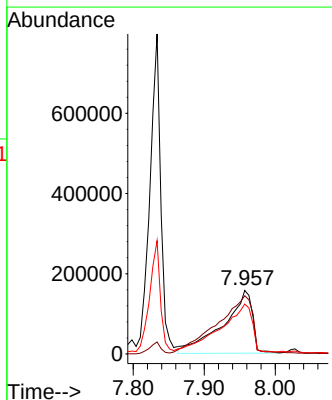
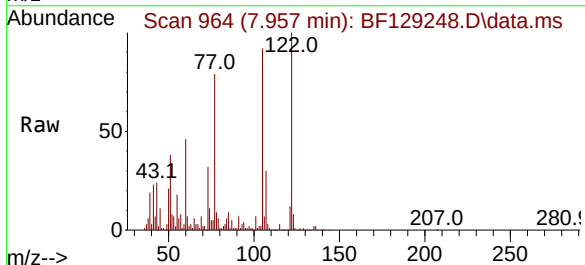
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

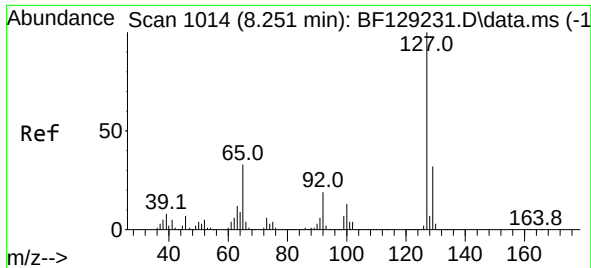
Tgt Ion:128 Resp: 2624692
Ion Ratio Lower Upper
128 100
129 11.8 9.2 13.8
127 13.6 10.5 15.7



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

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

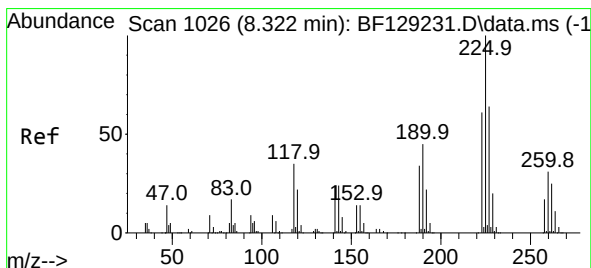
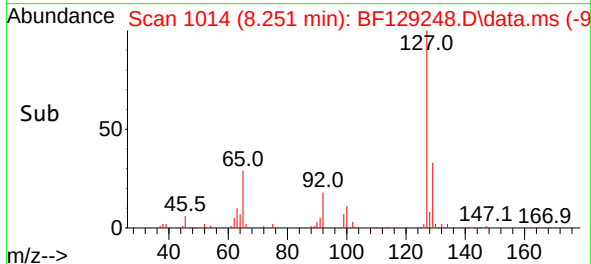
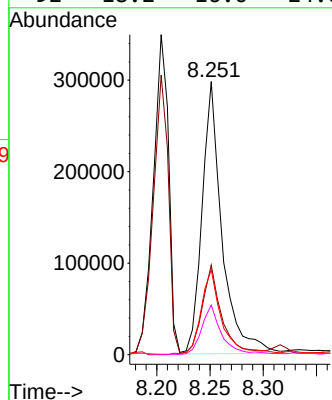
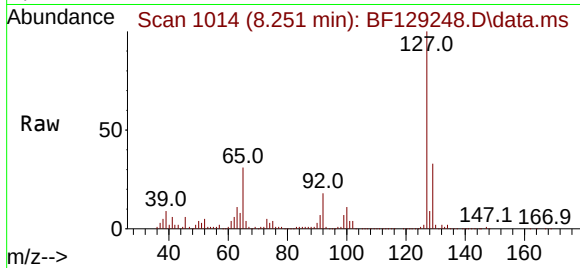




#33
4-Chloroaniline
Concen: 19.967 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

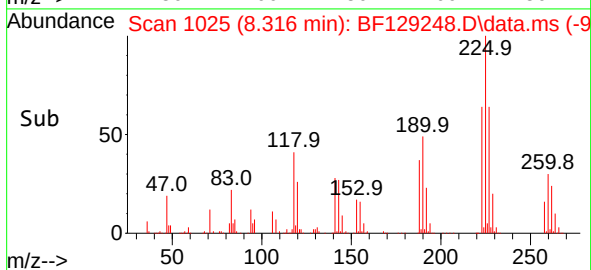
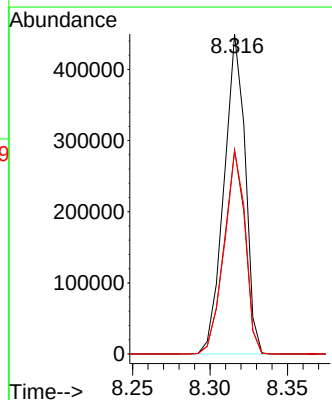
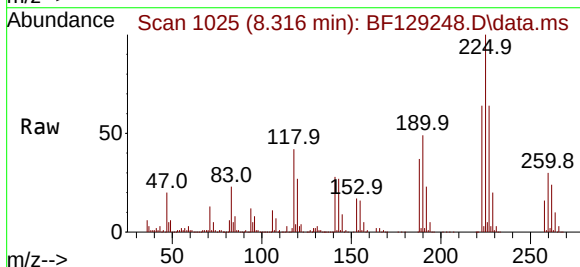
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

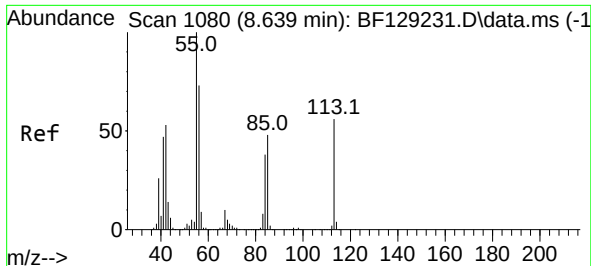
Tgt Ion:	127	Resp:	389165
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.4	39.6
65	31.1	26.4	39.6
92	18.2	16.0	24.0



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

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

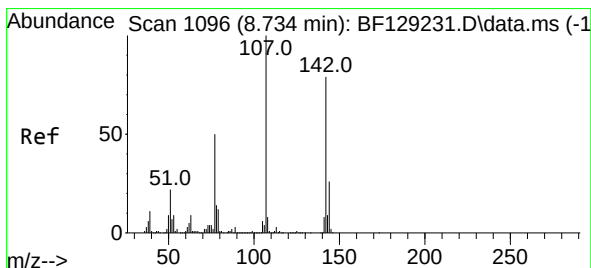
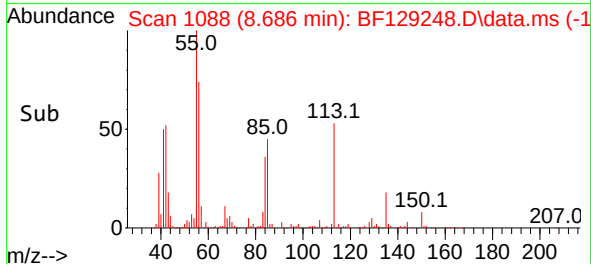
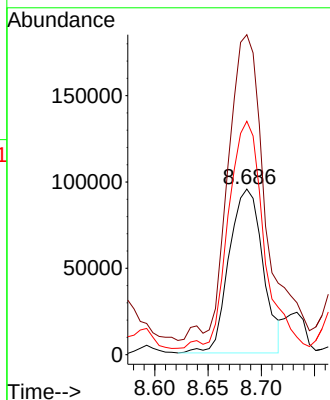
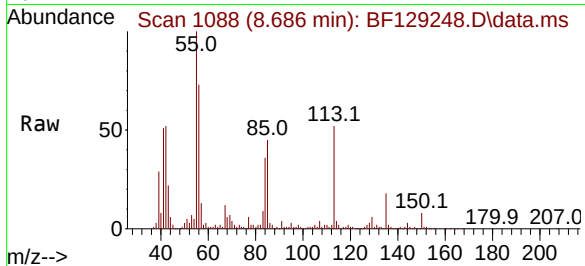




#35
 Caprolactam
 Concen: 46.036 ng
 RT: 8.686 min Scan# 1088
 Delta R.T. 0.047 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

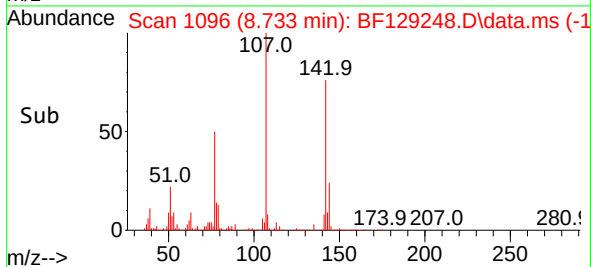
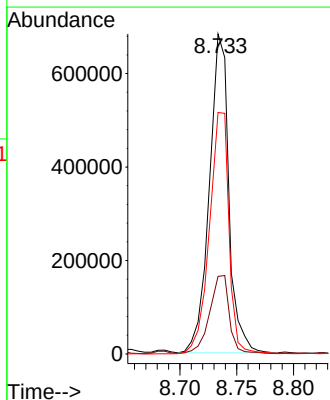
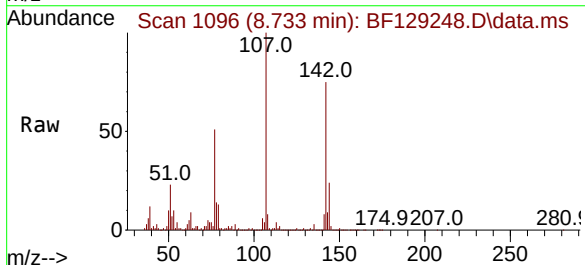
Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS

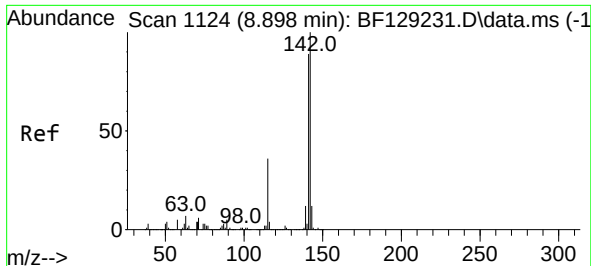
Tgt Ion:113 Resp: 209634
 Ion Ratio Lower Upper
 113 100
 55 193.2 188.5 228.5
 56 141.0 130.6 170.6



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

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





#37

2-Methylnaphthalene

Concen: 57.222 ng

RT: 8.898 min Scan# 1124

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

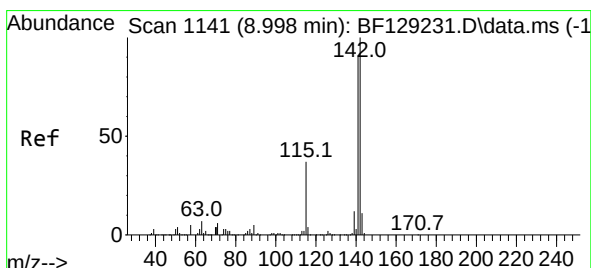
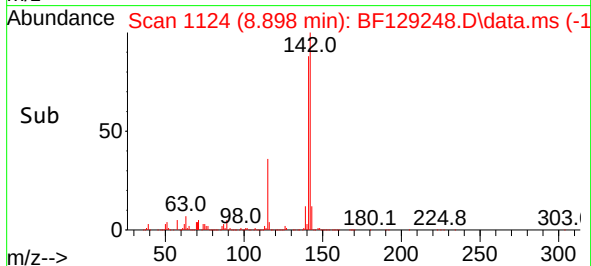
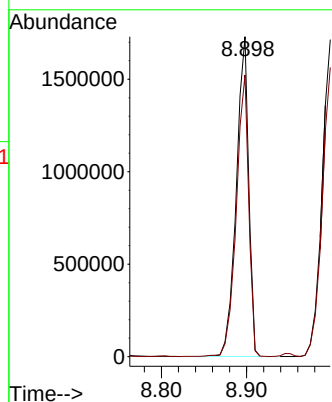
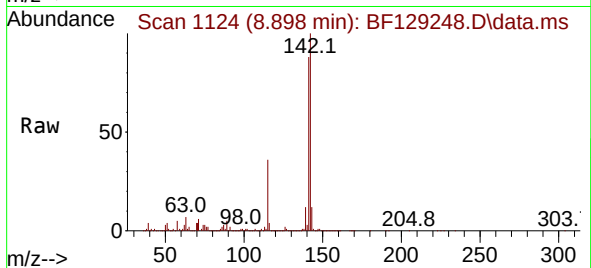
PIPELINE-PIGGING-TK2045LMS

Tgt Ion:142 Resp: 1752912

Ion Ratio Lower Upper

142 100

141 88.0 71.0 106.4



#38

1-Methylnaphthalene

Concen: 55.466 ng

RT: 8.998 min Scan# 1141

Delta R.T. -0.000 min

Lab File: BF129248.D

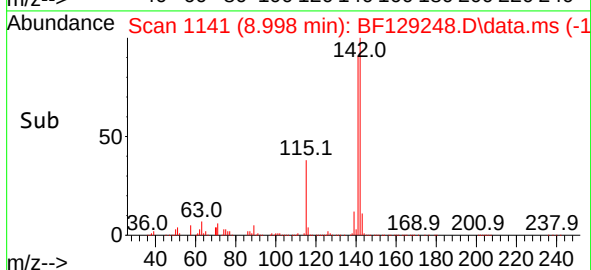
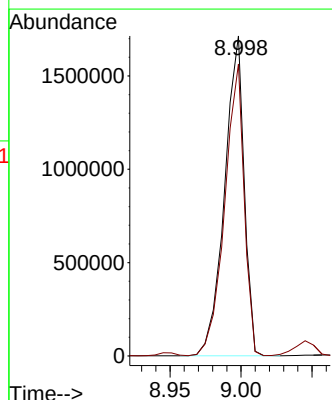
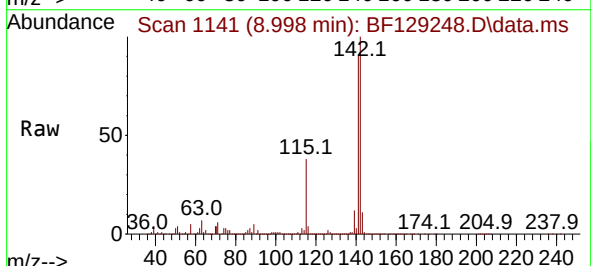
Acq: 15 Jul 2022 20:26

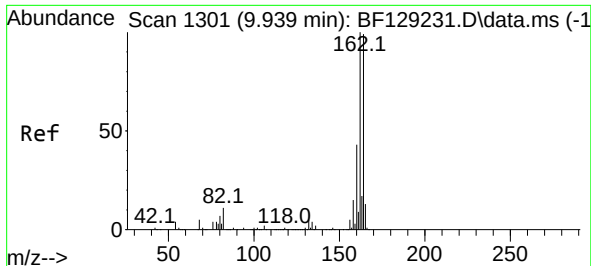
Tgt Ion:142 Resp: 1643211

Ion Ratio Lower Upper

142 100

141 91.2 74.2 111.4

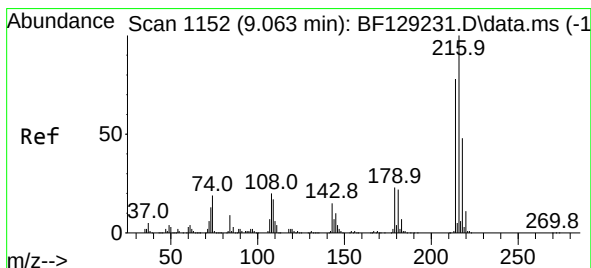
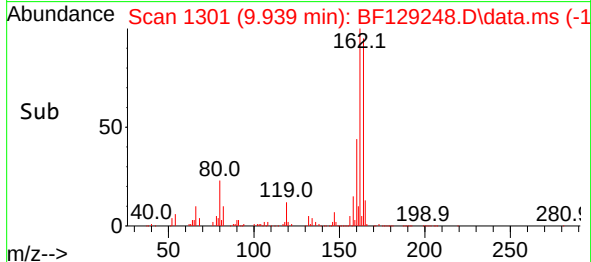
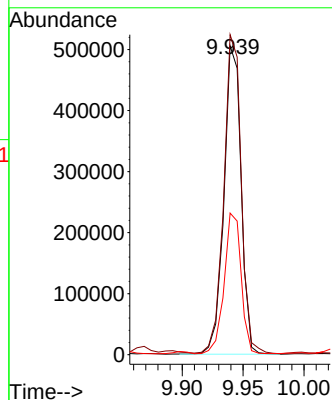
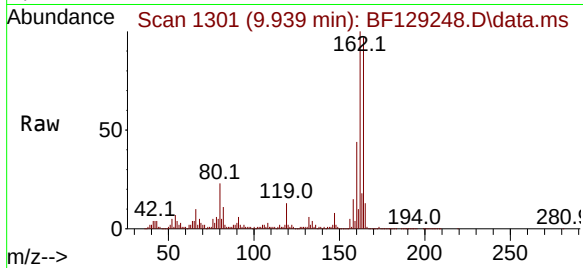




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1130
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

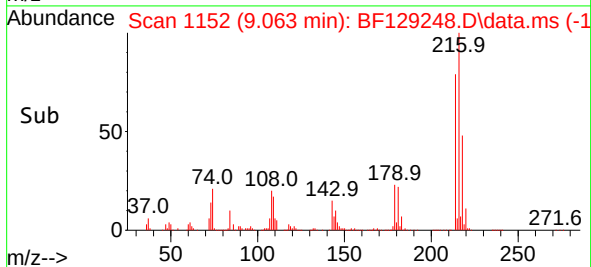
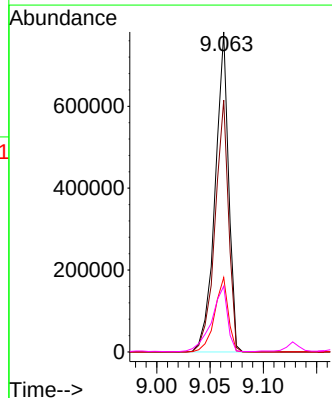
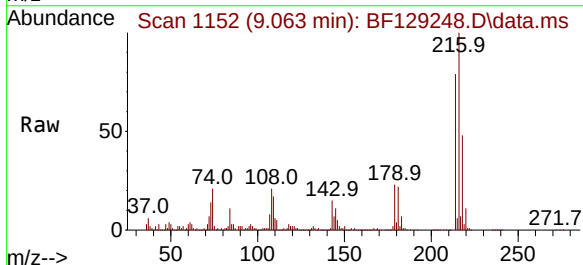
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

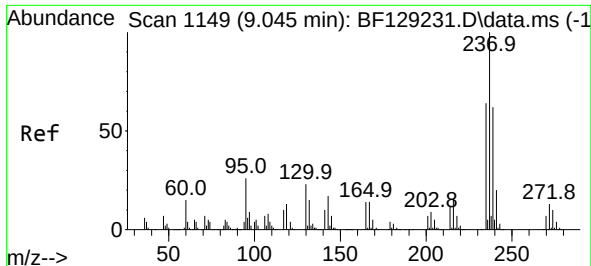
Tgt Ion:164 Resp: 495268
Ion Ratio Lower Upper
164 100
162 103.6 79.5 119.3
160 45.9 34.2 51.4



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

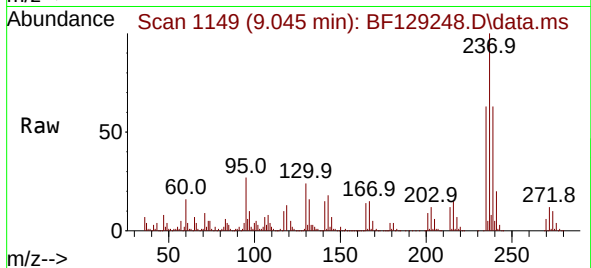
Tgt Ion:216 Resp: 684677
Ion Ratio Lower Upper
216 100
214 79.2 63.6 95.4
179 23.5 17.0 25.6
108 24.3 16.0 24.0#



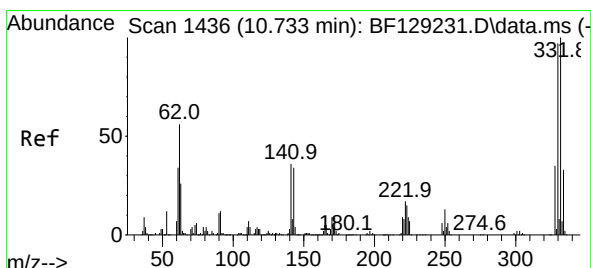
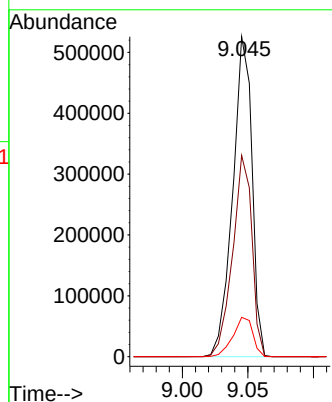
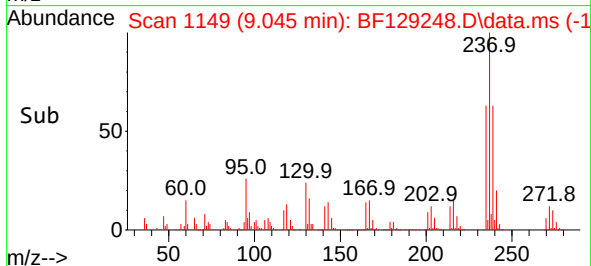


#41
Hexachlorocyclopentadiene
Concen: 86.775 ng
RT: 9.045 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

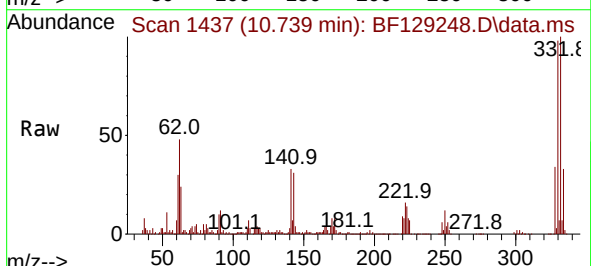
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS



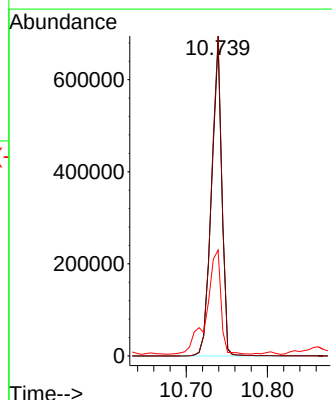
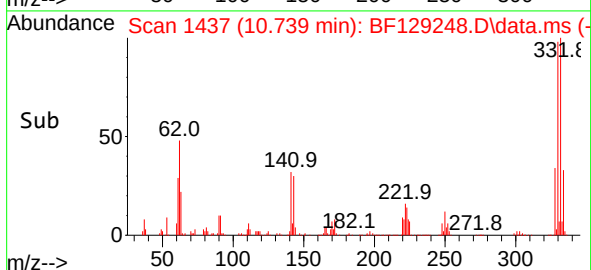
Tgt Ion:237 Resp: 537699
Ion Ratio Lower Upper
237 100
235 62.9 43.2 83.2
272 12.3 0.0 31.9

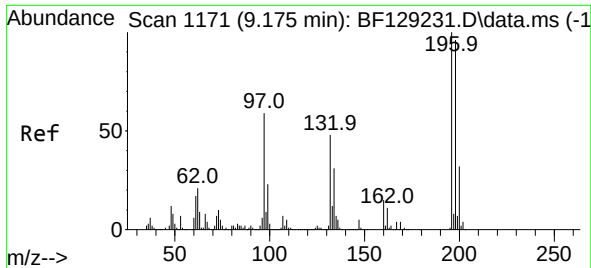


#42
2,4,6-Tribromophenol
Concen: 130.884 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26



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

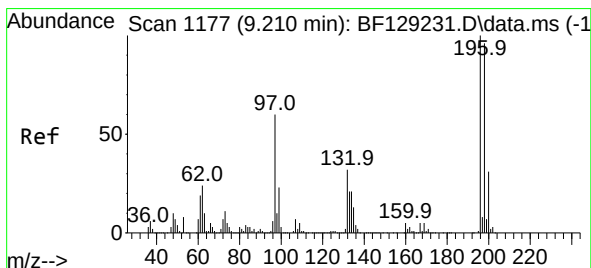
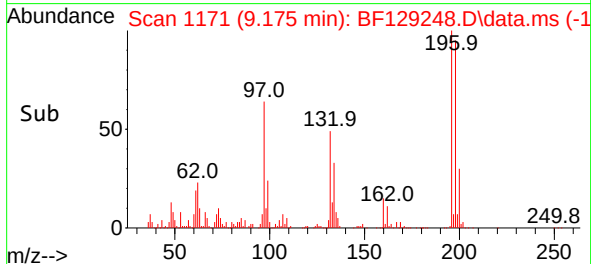
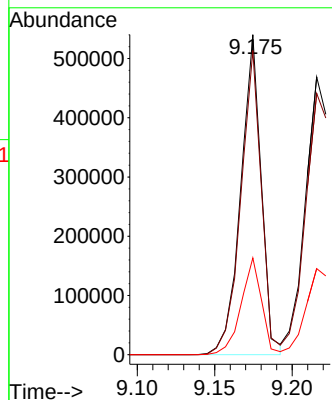
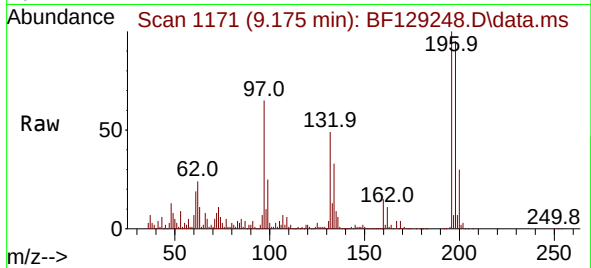




#43
2,4,6-Trichlorophenol
Concen: 54.722 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

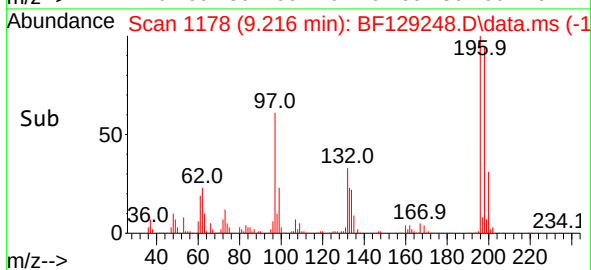
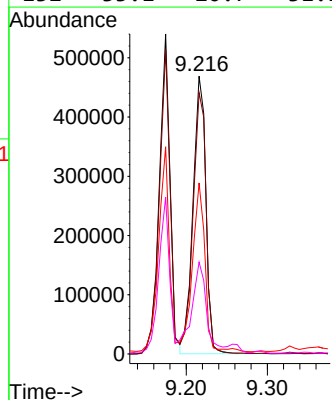
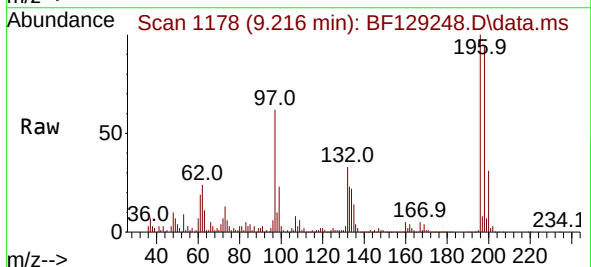
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

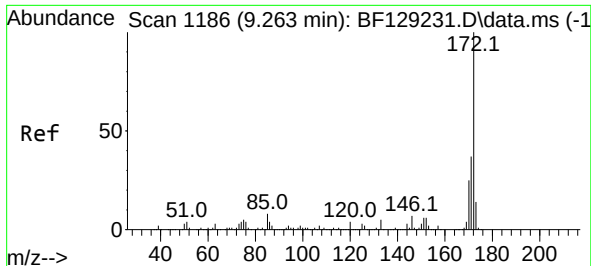
Tgt Ion:196 Resp: 496179
Ion Ratio Lower Upper
196 100
198 95.1 74.0 111.0
200 30.3 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 54.333 ng
RT: 9.216 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:196 Resp: 521114
Ion Ratio Lower Upper
196 100
198 94.1 75.7 113.5
97 61.6 36.4 54.6#
132 33.1 20.7 31.1#

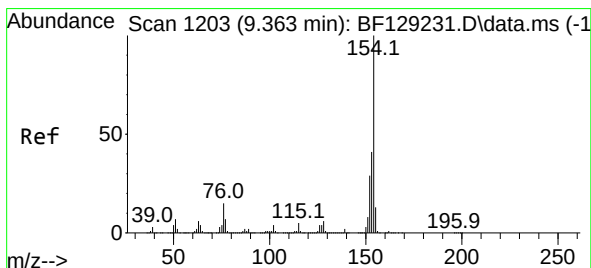
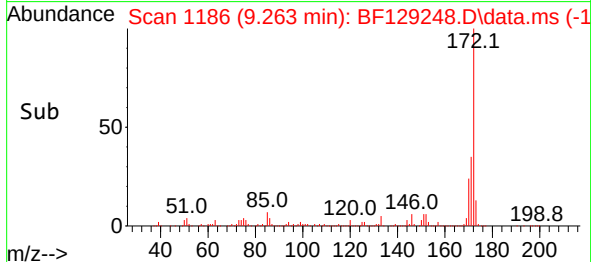
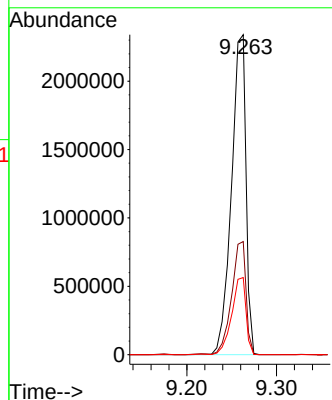
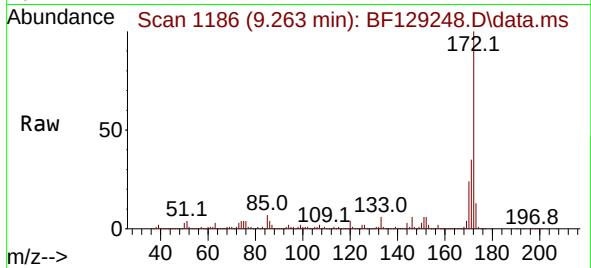




#45
2-Fluorobiphenyl
Concen: 89.926 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

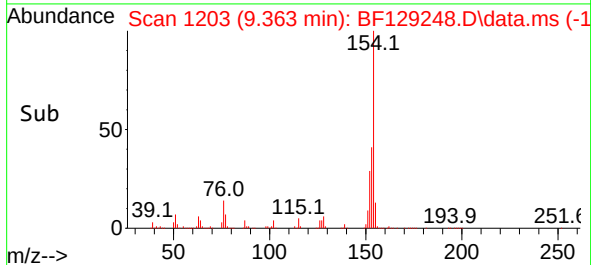
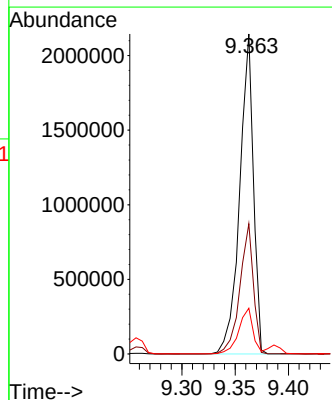
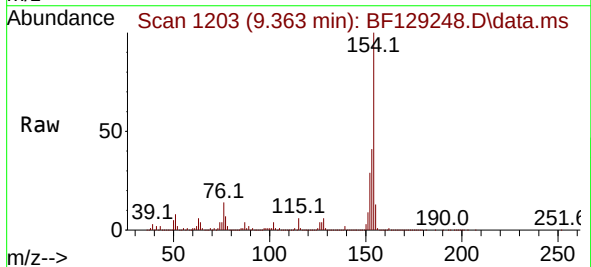
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

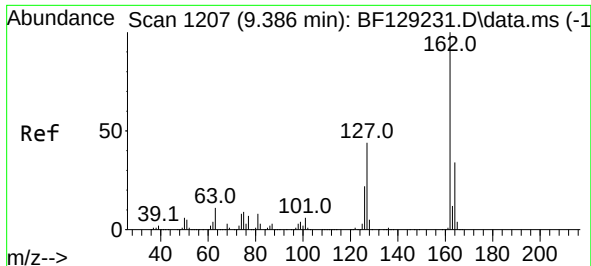
Tgt Ion:172 Resp: 2628818
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.1 19.8 29.8



#46
1,1'-Biphenyl
Concen: 55.157 ng
RT: 9.363 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:154 Resp: 1932149
Ion Ratio Lower Upper
154 100
153 40.7 20.6 60.6
76 14.3 0.0 33.3

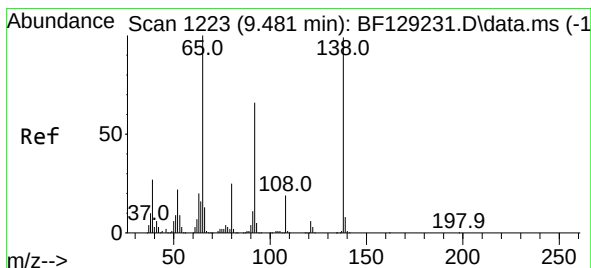
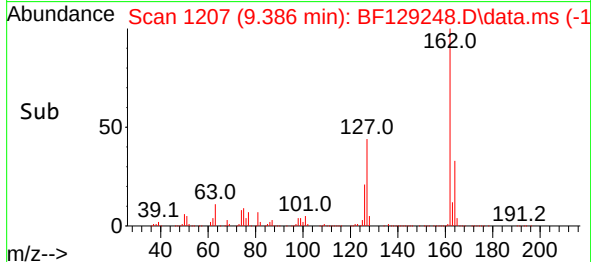
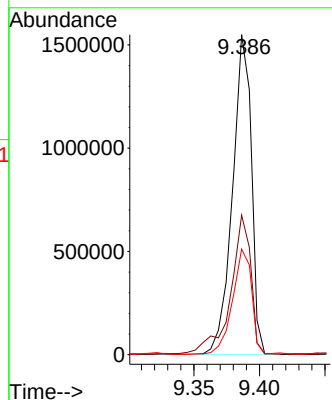
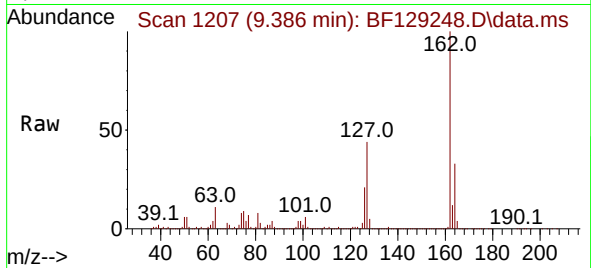




#47
2-Chloronaphthalene
Concen: 56.130 ng
RT: 9.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

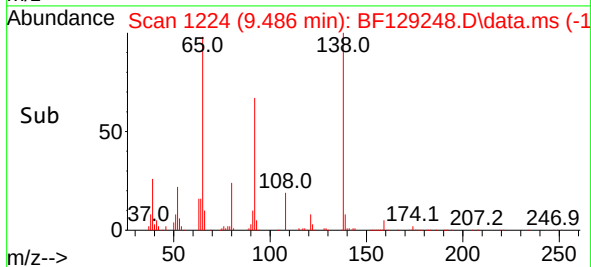
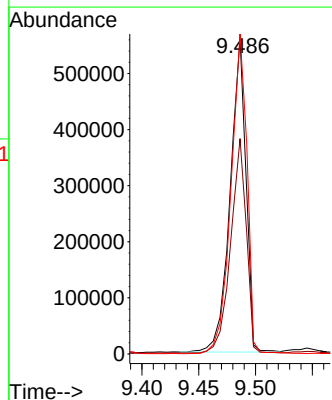
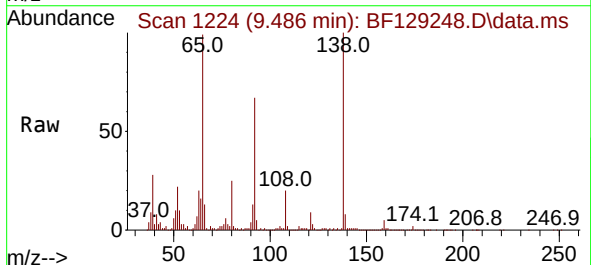
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

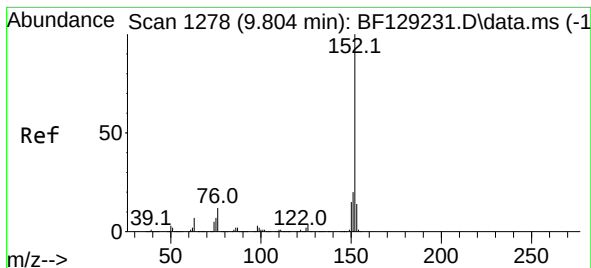
Tgt Ion:162 Resp: 1548729
Ion Ratio Lower Upper
162 100
127 43.6 34.5 51.7
164 33.0 26.5 39.7



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

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





#49

Acenaphthylene

Concen: 55.223 ng

RT: 9.804 min Scan# 1278

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

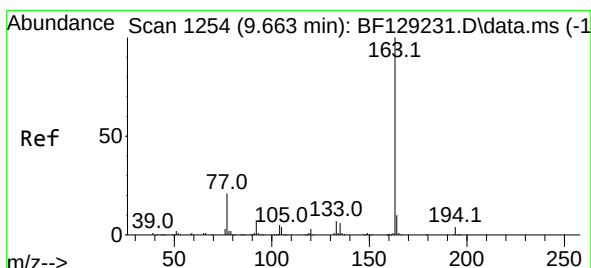
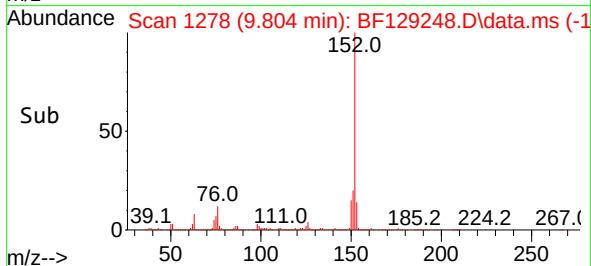
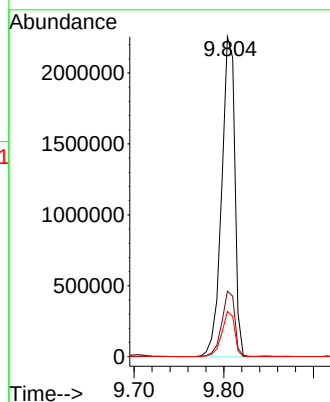
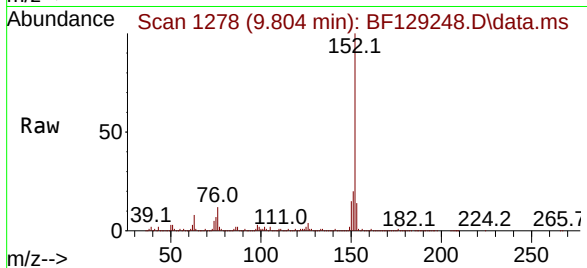
Tgt Ion:152 Resp: 2293372

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 14.2 10.7 16.1



#50

Dimethylphthalate

Concen: 56.188 ng

RT: 9.669 min Scan# 1255

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

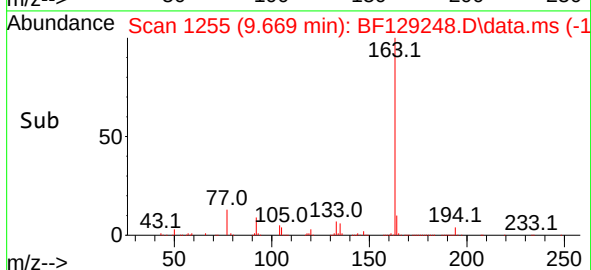
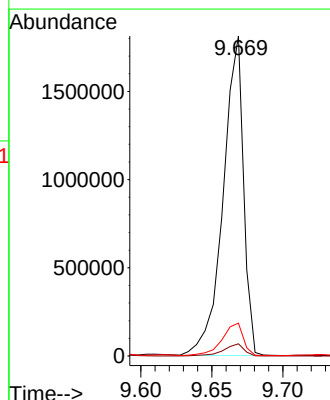
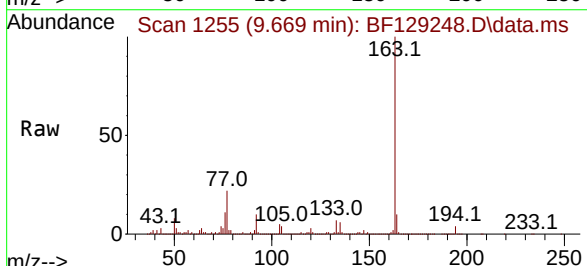
Tgt Ion:163 Resp: 1805844

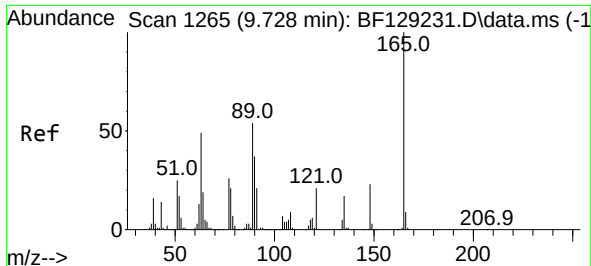
Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 59.896 ng

RT: 9.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

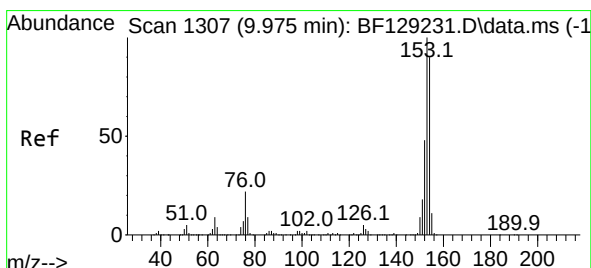
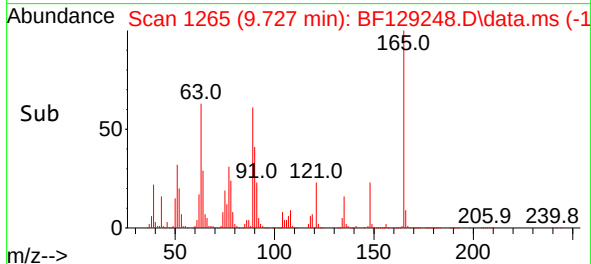
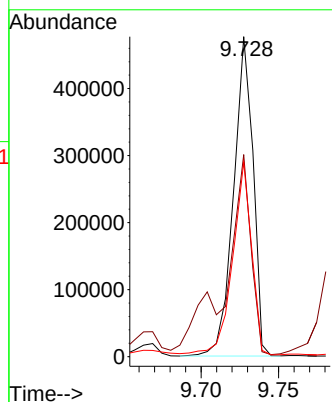
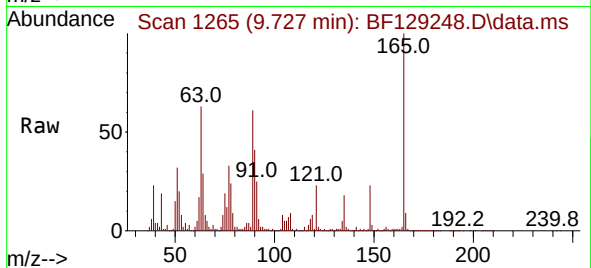
Tgt Ion:165 Resp: 416553

Ion Ratio Lower Upper

165 100

63 63.1 44.9 67.3

89 60.9 43.6 65.4



#52

Acenaphthene

Concen: 55.724 ng

RT: 9.980 min Scan# 1308

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

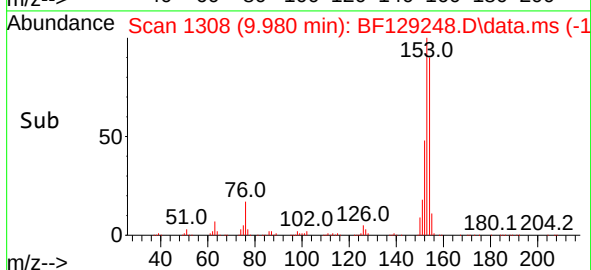
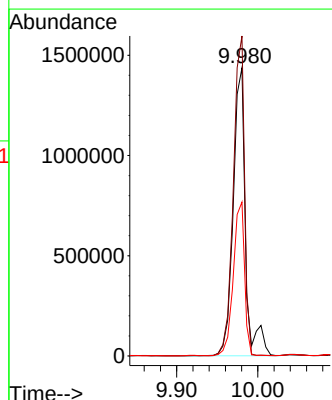
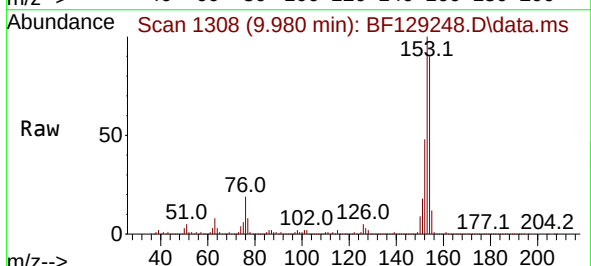
Tgt Ion:154 Resp: 1512662

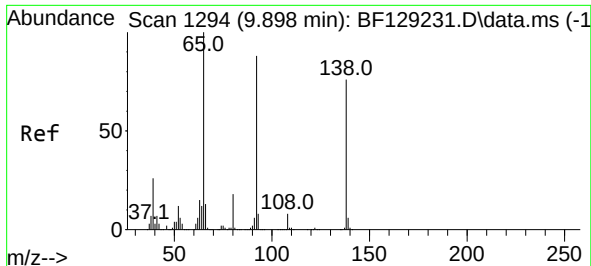
Ion Ratio Lower Upper

154 100

153 111.0 89.6 134.4

152 53.4 42.4 63.6

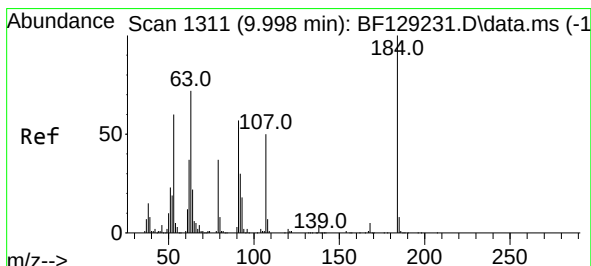
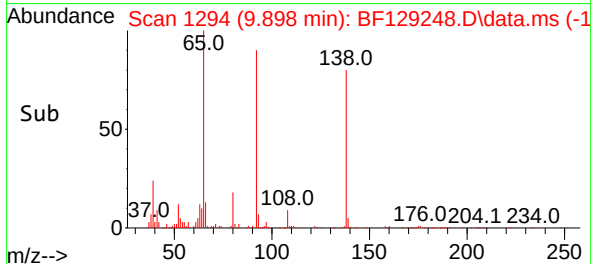
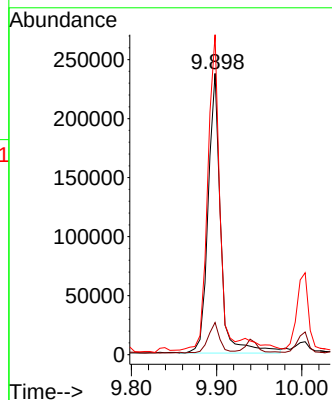
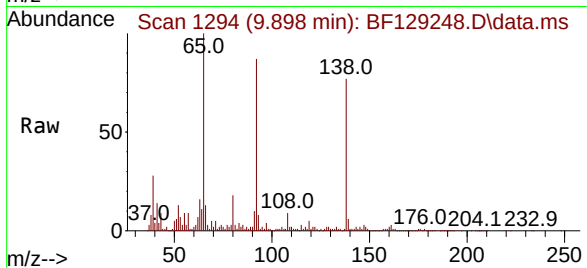




#53
3-Nitroaniline
Concen: 29.173 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

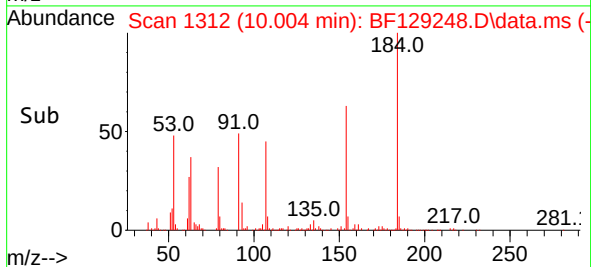
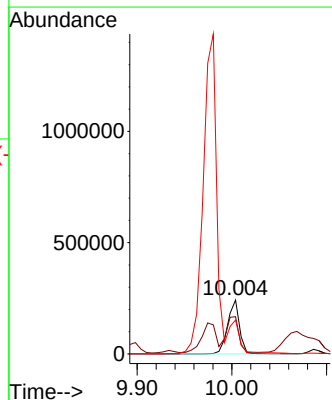
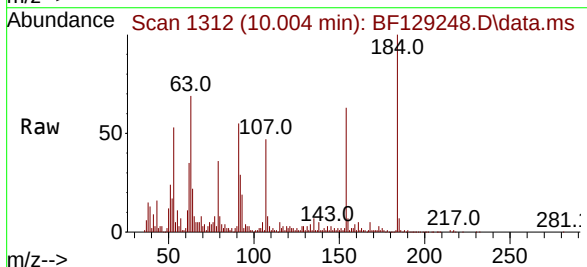
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

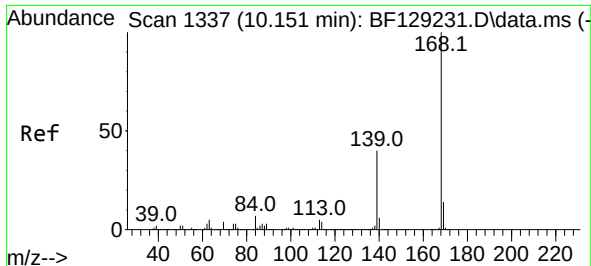
Tgt Ion:138 Resp: 242270
Ion Ratio Lower Upper
138 100
108 11.4 10.9 16.3
92 113.8 98.2 147.2



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

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

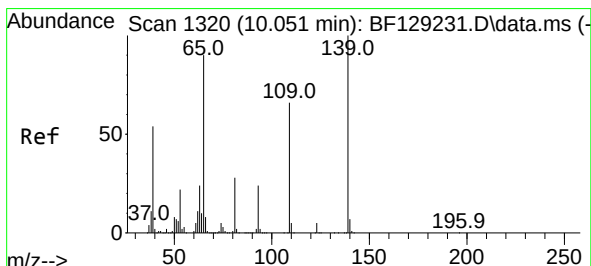
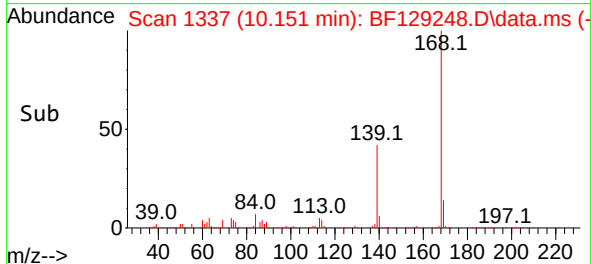
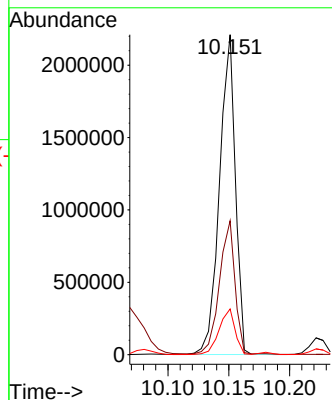
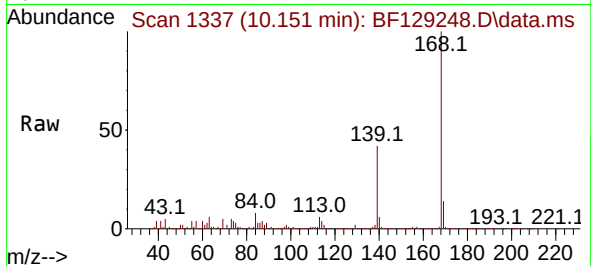




#55
Dibenzofuran
Concen: 52.062 ng
RT: 10.151 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

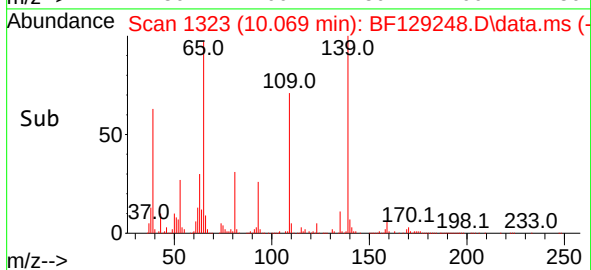
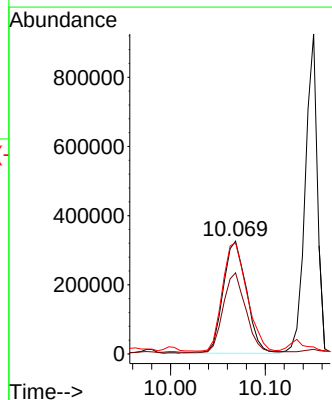
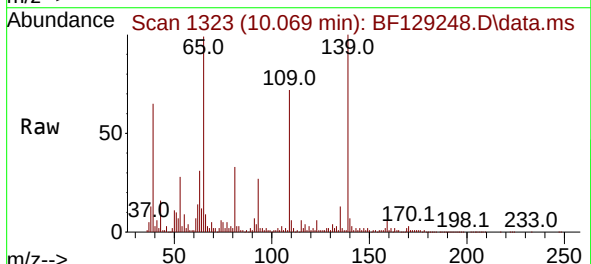
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

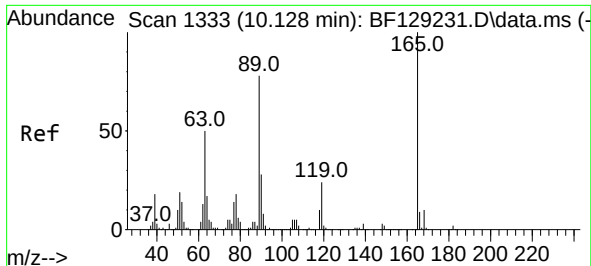
Tgt Ion:168 Resp: 2006216
Ion Ratio Lower Upper
168 100
139 41.9 30.6 46.0
169 14.3 11.0 16.6



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

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



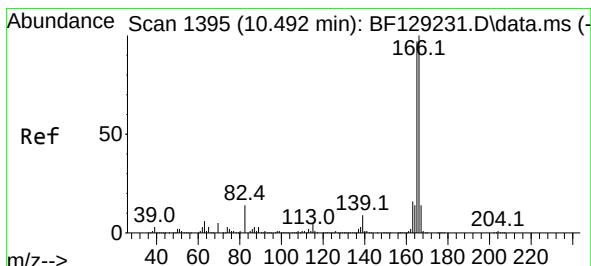
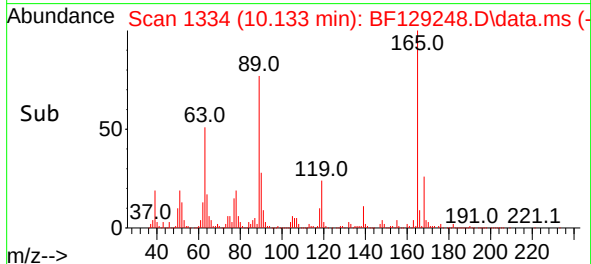
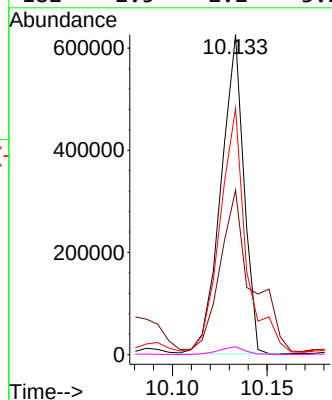
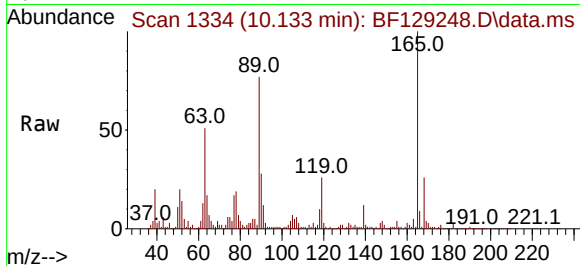


#57
2,4-Dinitrotoluene
Concen: 57.927 ng
RT: 10.133 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

Tgt Ion:165 Resp: 528280

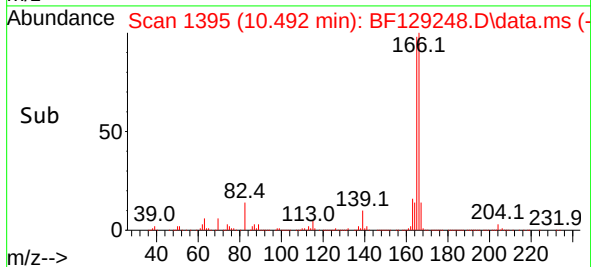
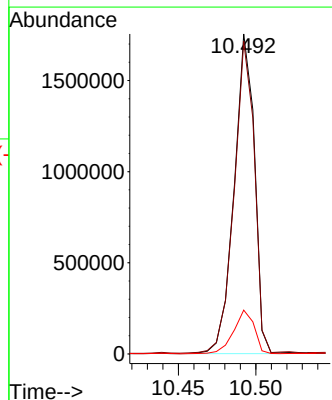
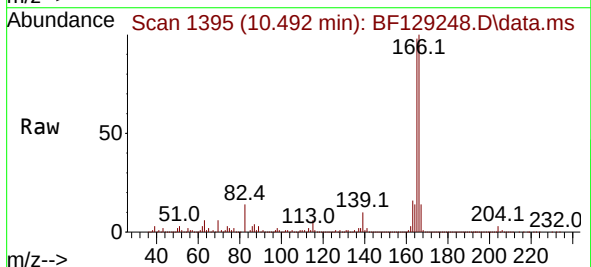
Ion	Ratio	Lower	Upper
165	100		
63	51.4	39.8	59.6
89	77.0	60.2	90.2
182	2.5	2.2	3.2

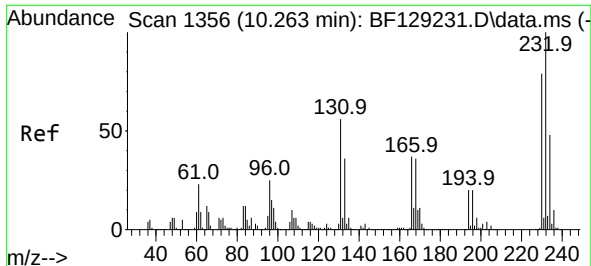


#58
Fluorene
Concen: 54.600 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:166 Resp: 1600275

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.1	117.1
167	13.7	10.5	15.7

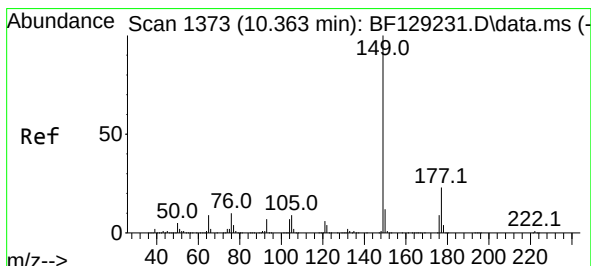
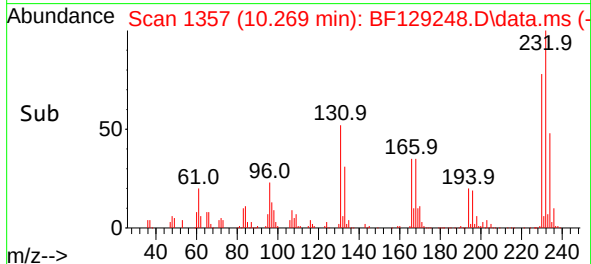
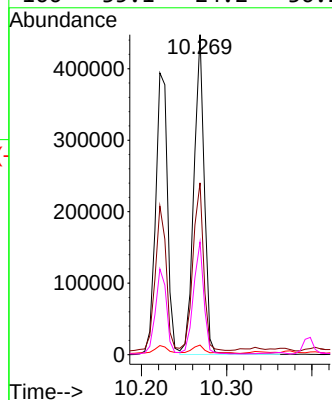
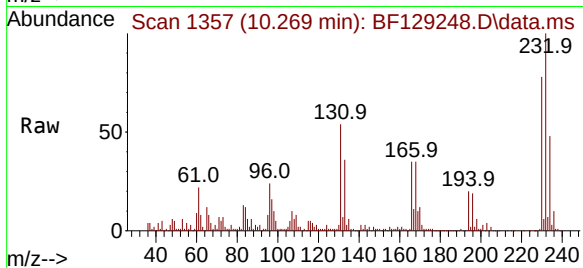




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.229 ng
RT: 10.269 min Scan# 1356
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

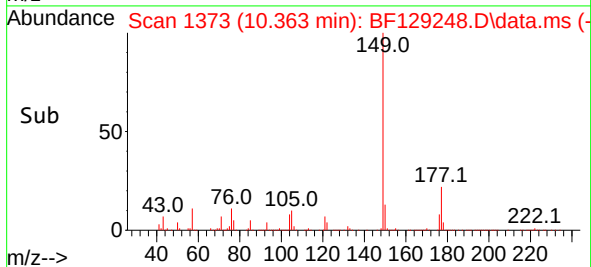
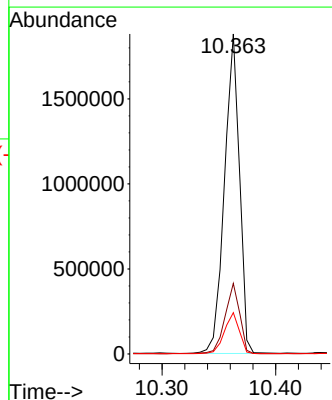
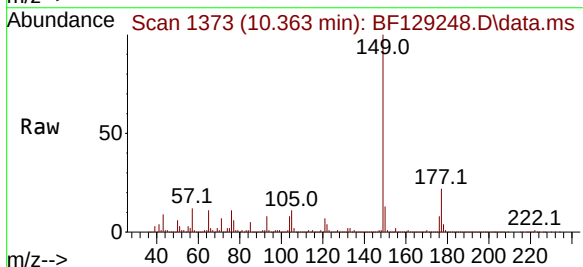
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

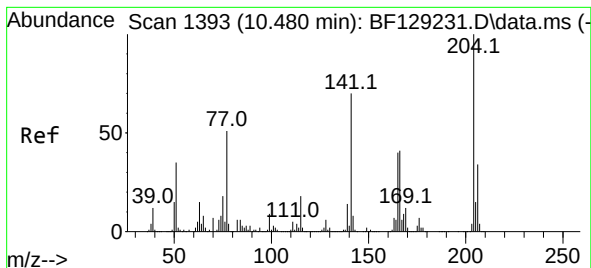
Tgt Ion:232 Resp: 379559
Ion Ratio Lower Upper
232 100
131 53.0 36.1 54.1
130 3.2 1.8 2.8#
166 35.1 24.2 36.2



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

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

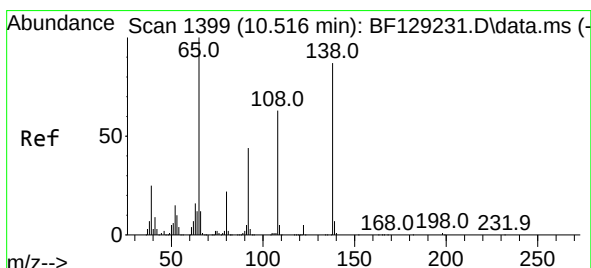
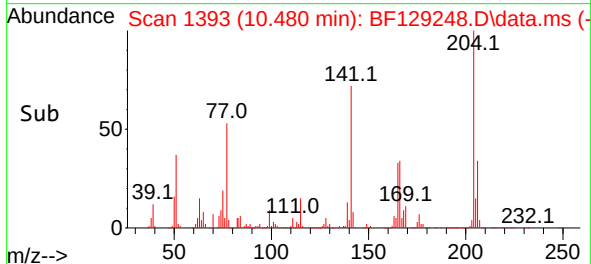
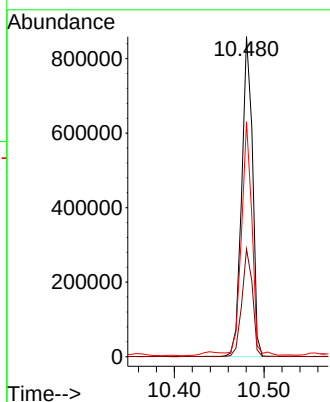
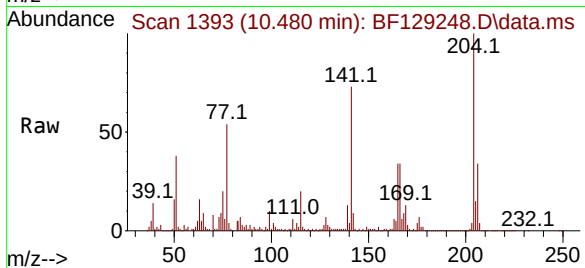




#61
4-Chlorophenyl-phenylether
Concen: 52.736 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

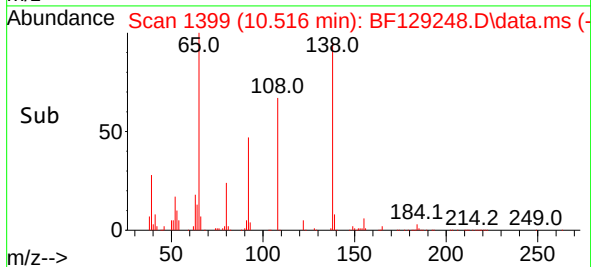
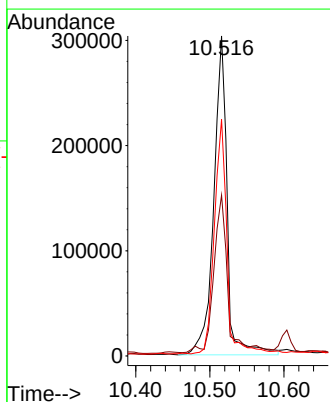
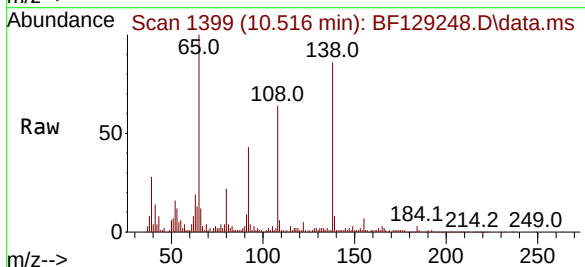
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

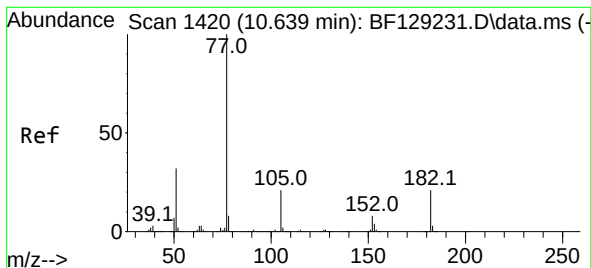
Tgt Ion:204 Resp: 716005
Ion Ratio Lower Upper
204 100
206 33.6 25.8 38.6
141 73.4 47.0 70.4#



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

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





#63

Azobenzene

Concen: 53.350 ng

RT: 10.645 min Scan# 1420

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

Tgt Ion: 77 Resp: 1769988

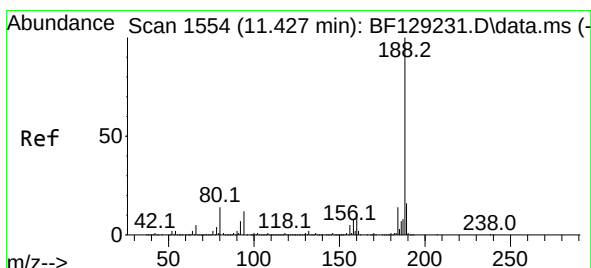
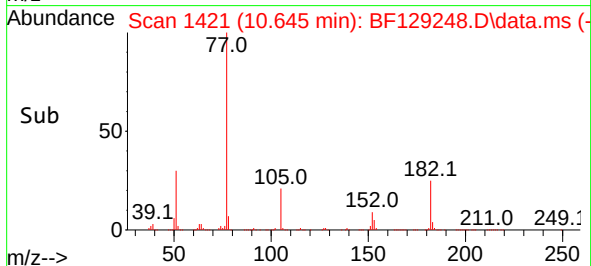
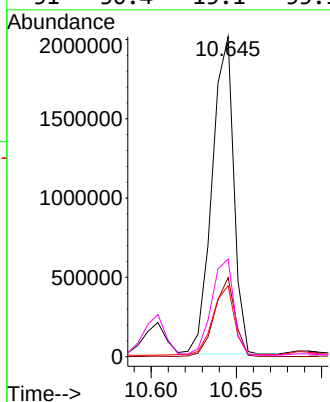
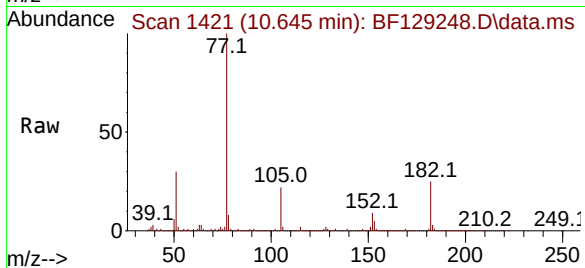
Ion Ratio Lower Upper

77 100

182 24.7 5.6 45.6

105 22.2 1.6 41.6

51 30.4 15.1 55.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 1555

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

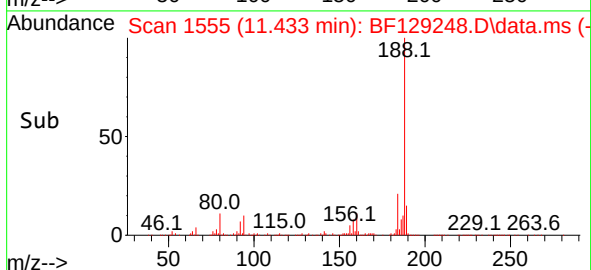
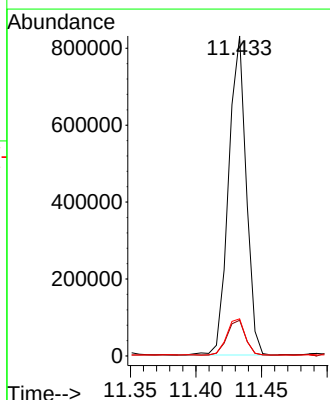
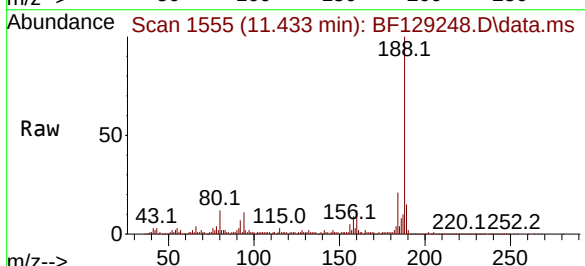
Tgt Ion:188 Resp: 775093

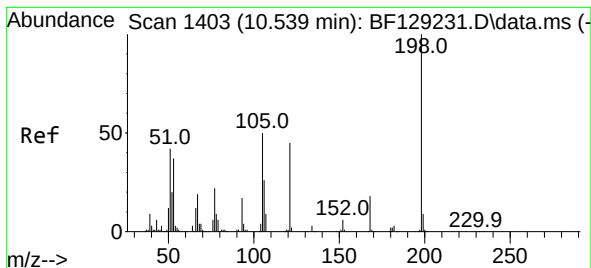
Ion Ratio Lower Upper

188 100

94 11.1 7.0 10.6#

80 11.6 7.6 11.4#

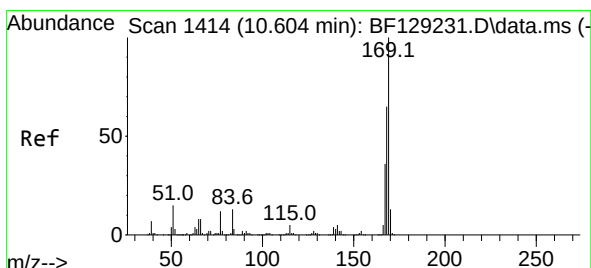
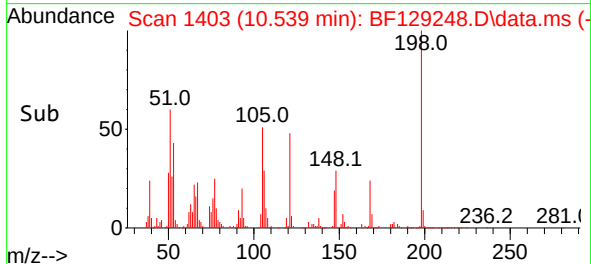
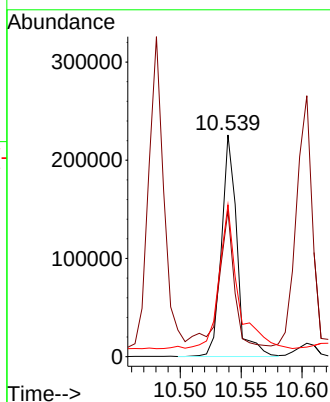
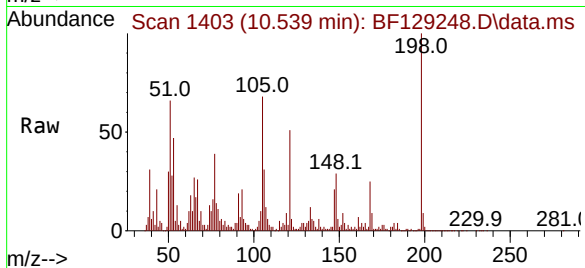




#65
4,6-Dinitro-2-methylphenol
Concen: 40.700 ng
RT: 10.539 min Scan# 1403
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

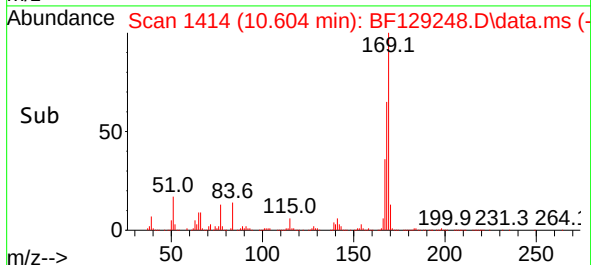
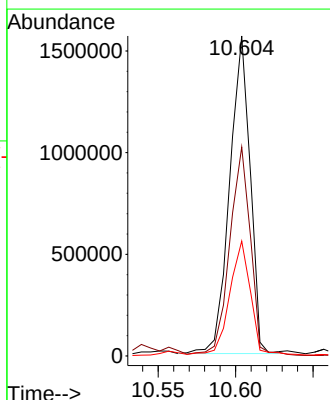
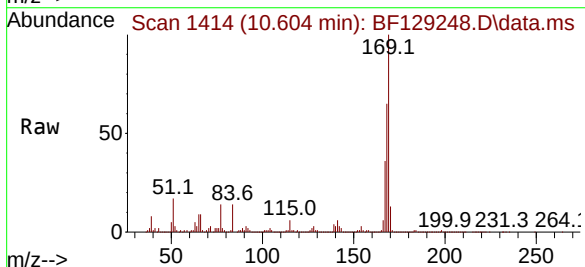
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

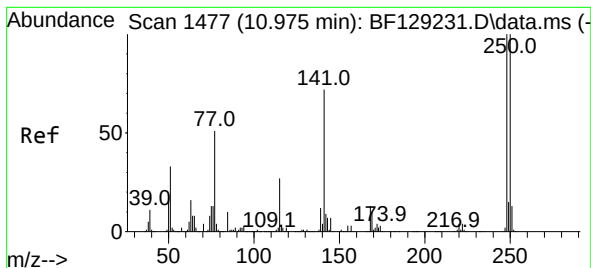
Tgt Ion:198 Resp: 199315
Ion Ratio Lower Upper
198 100
51 65.9 37.6 77.6
105 68.5 27.0 67.0#



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

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

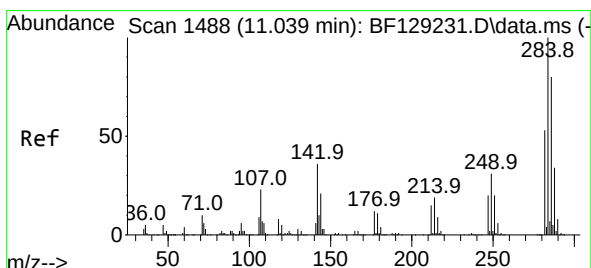
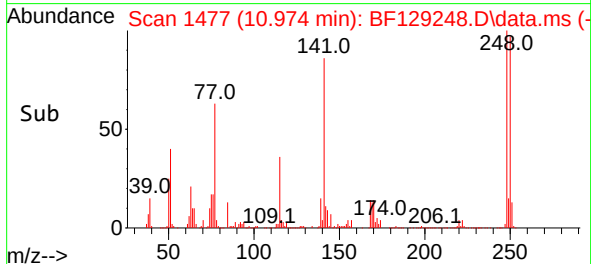
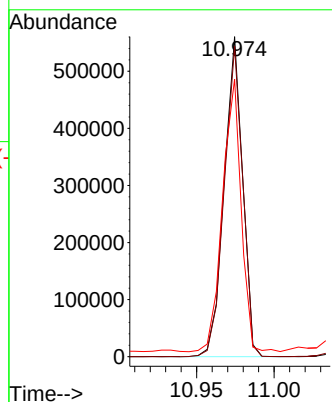
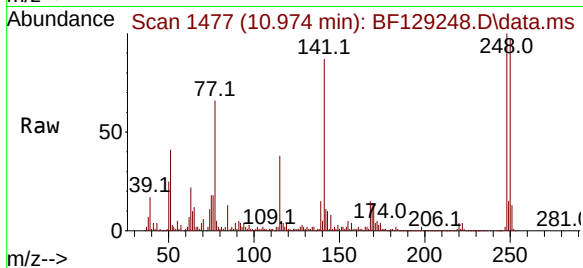




#67
4-Bromophenyl-phenylether
Concen: 56.959 ng
RT: 10.974 min Scan# 1477
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

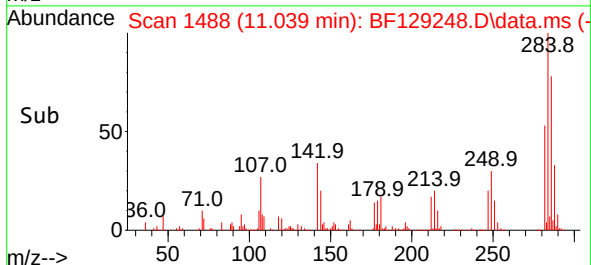
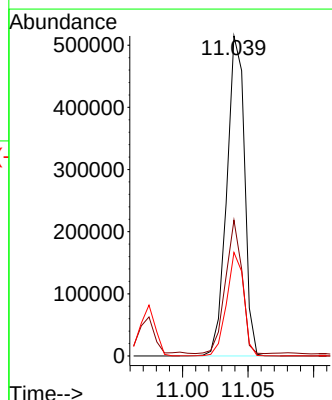
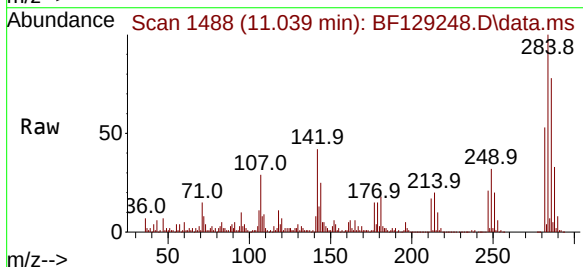
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

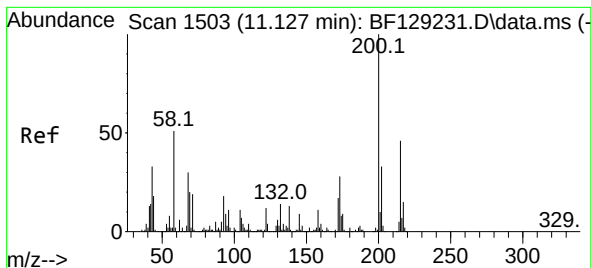
Tgt Ion:248 Resp: 464740
Ion Ratio Lower Upper
248 100
250 97.0 80.6 120.8
141 86.8 58.9 88.3



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

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





#69

Atrazine

Concen: 60.575 ng

RT: 11.145 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

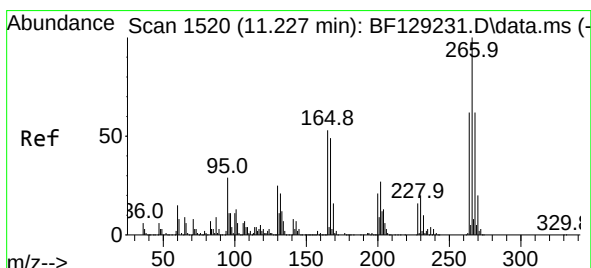
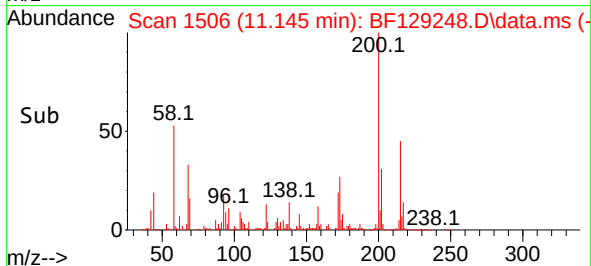
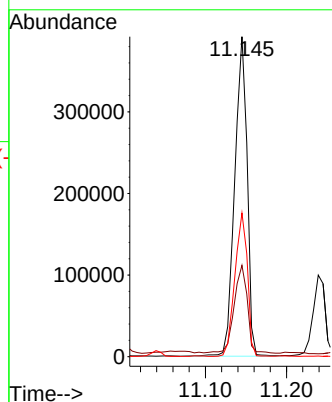
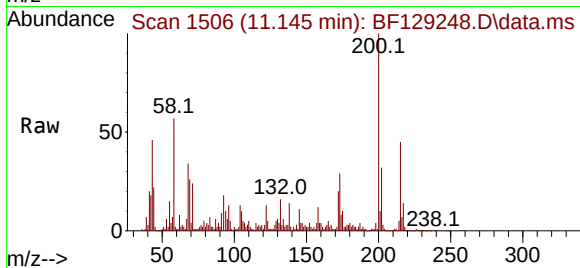
Tgt Ion:200 Resp: 415293

Ion Ratio Lower Upper

200 100

173 28.6 6.3 46.3

215 44.9 28.3 68.3



#70

Pentachlorophenol

Concen: 100.006 ng

RT: 11.245 min Scan# 1523

Delta R.T. 0.018 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

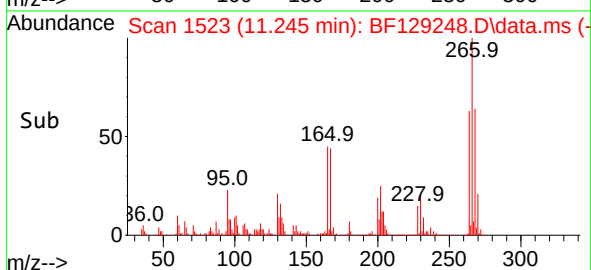
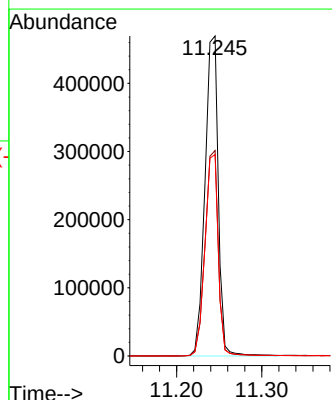
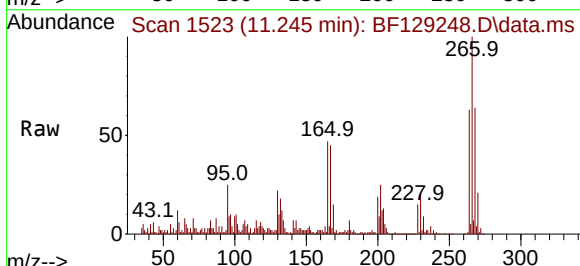
Tgt Ion:266 Resp: 509317

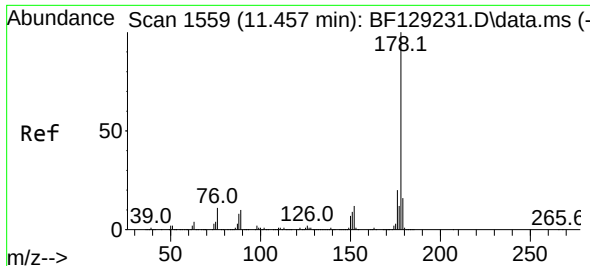
Ion Ratio Lower Upper

266 100

268 64.2 51.0 76.4

264 63.0 49.4 74.2

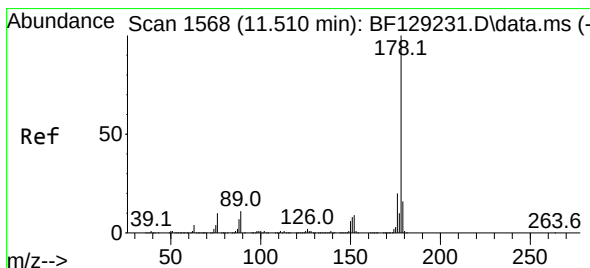
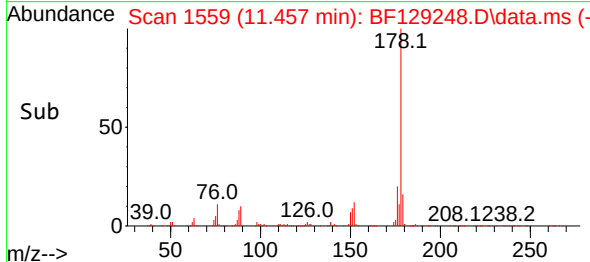
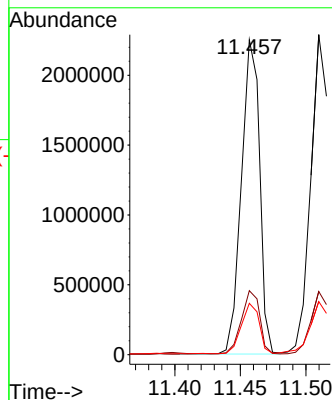
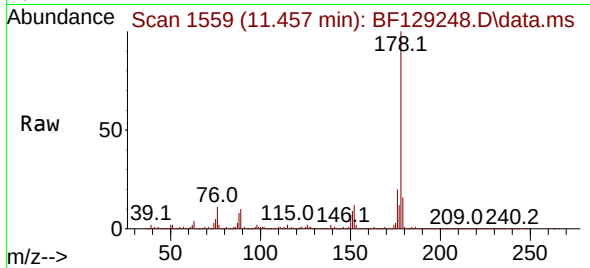




#71
Phenanthrene
Concen: 55.328 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

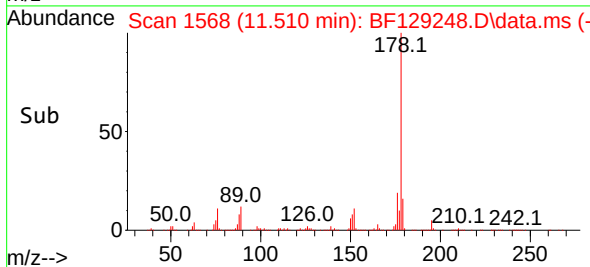
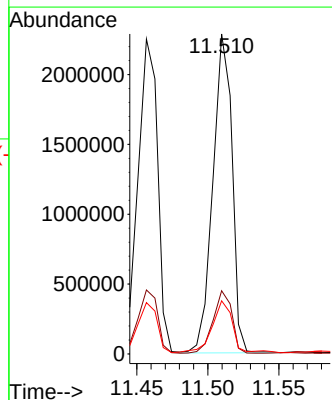
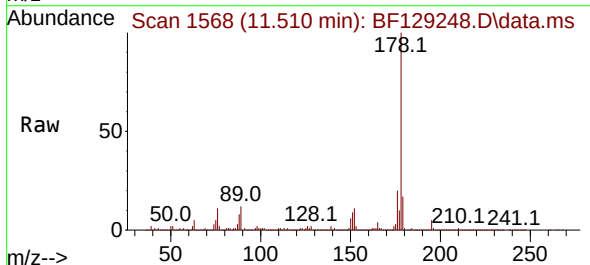
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

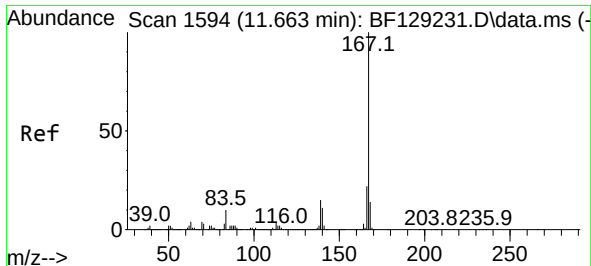
Tgt Ion:178 Resp: 2177269
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 16.3 12.6 19.0



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

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

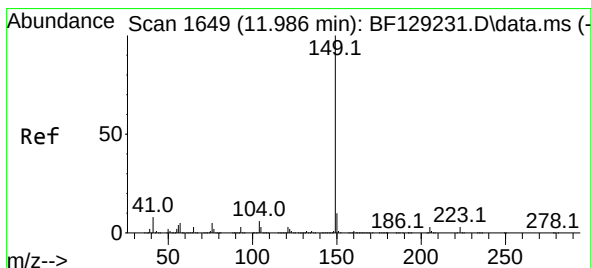
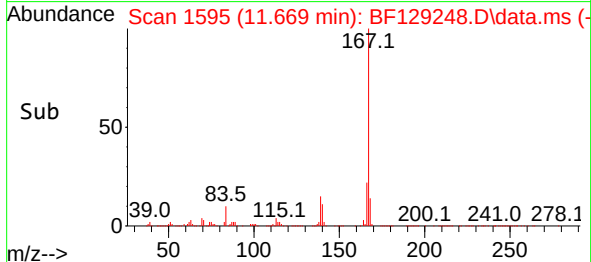
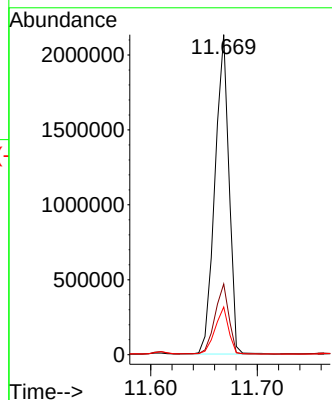
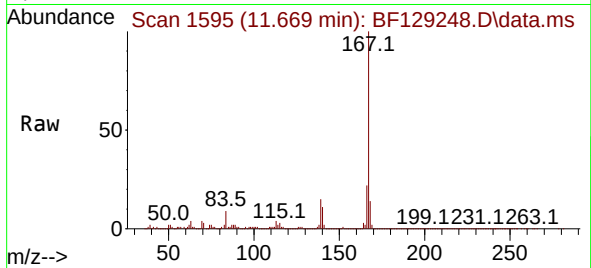




#73
 Carbazole
 Concen: 49.895 ng
 RT: 11.669 min Scan# 1594
 Delta R.T. 0.006 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

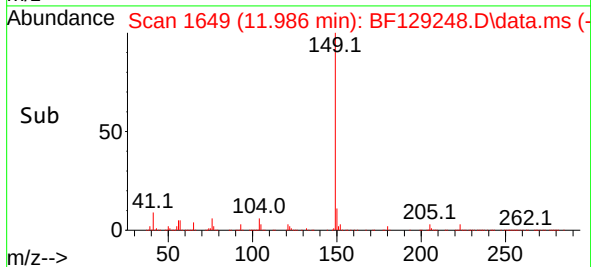
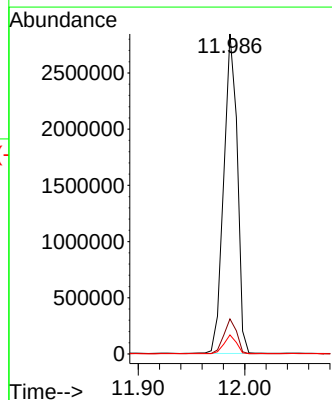
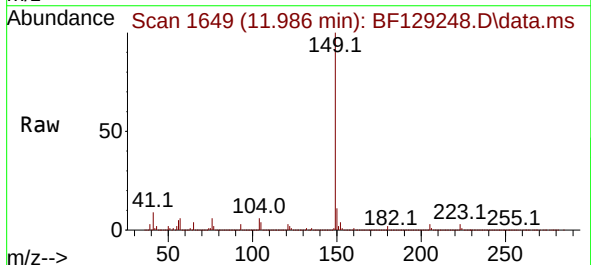
Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS

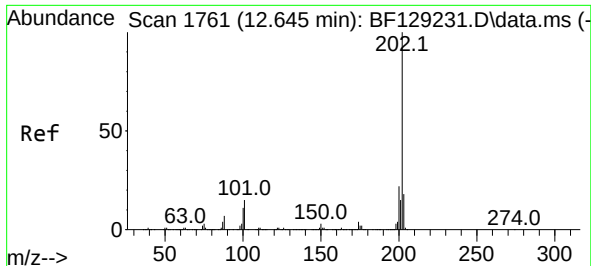
Tgt Ion:167 Resp: 1945510
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.7 26.5
 139 14.9 11.2 16.8



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

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

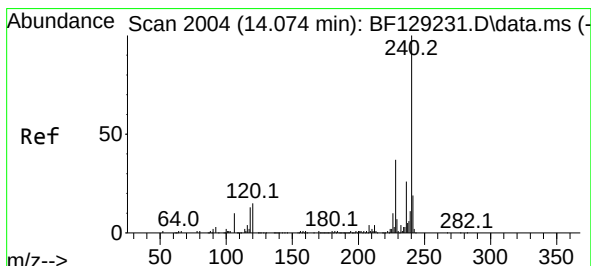
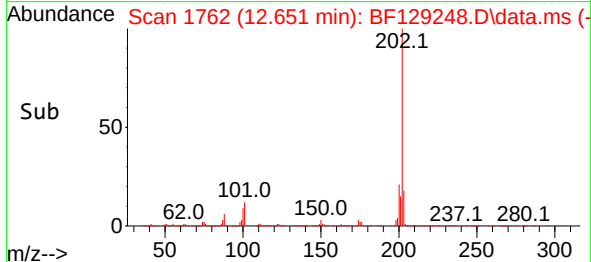
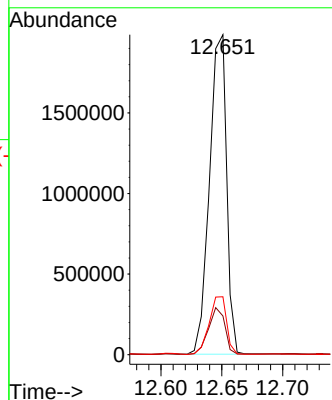
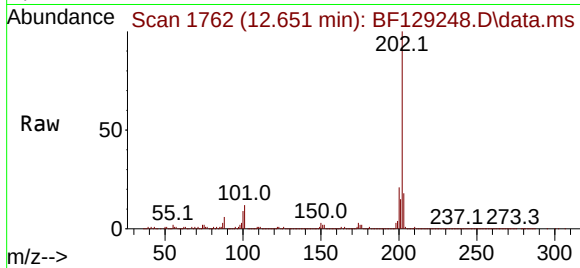




#75
Fluoranthene
Concen: 49.375 ng
RT: 12.651 min Scan# 1762
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

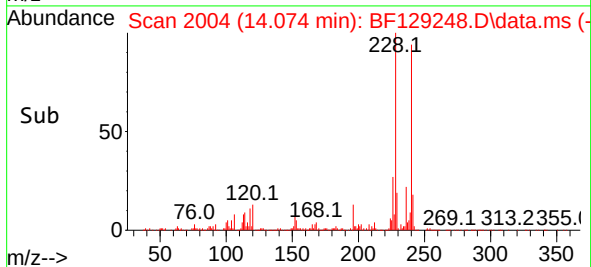
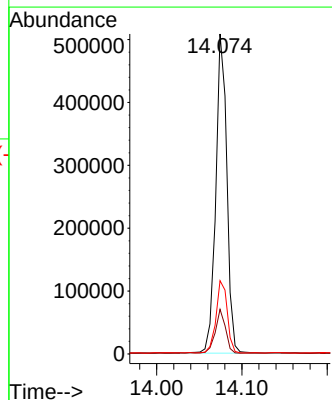
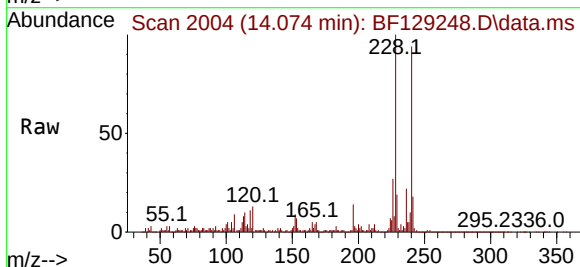
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

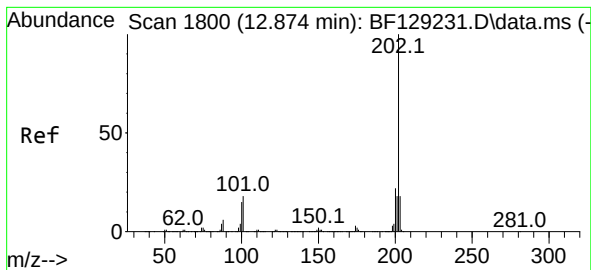
Tgt Ion:202 Resp: 1935105
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.4
203 18.1 0.0 38.0



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

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





#78

Pyrene

Concen: 50.922 ng

RT: 12.880 min Scan# 1801

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

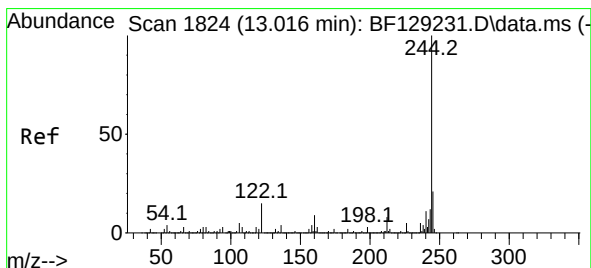
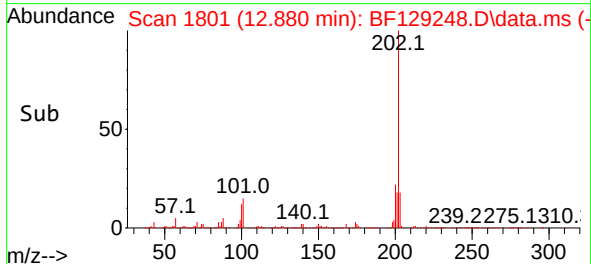
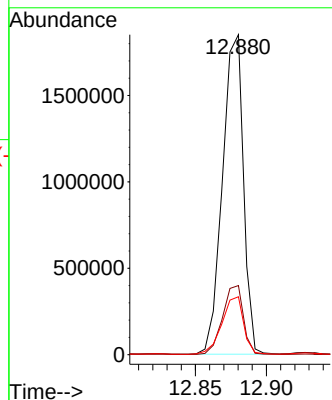
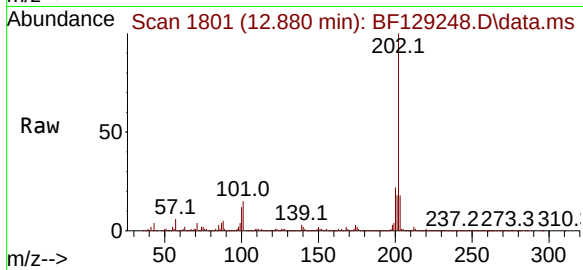
Tgt Ion:202 Resp: 1893300

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

203 18.1 14.6 21.8



#79

Terphenyl-d14

Concen: 83.323 ng

RT: 13.016 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

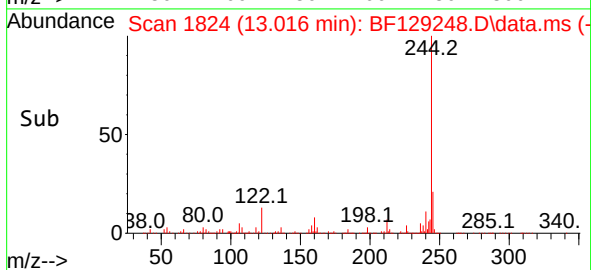
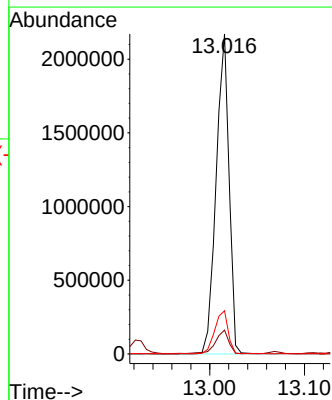
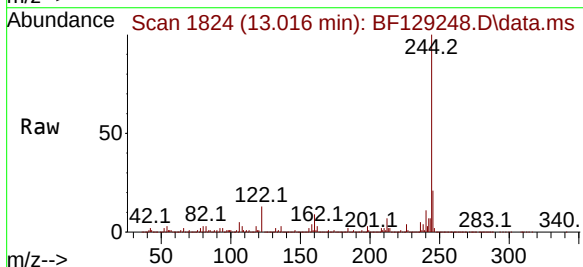
Tgt Ion:244 Resp: 2044621

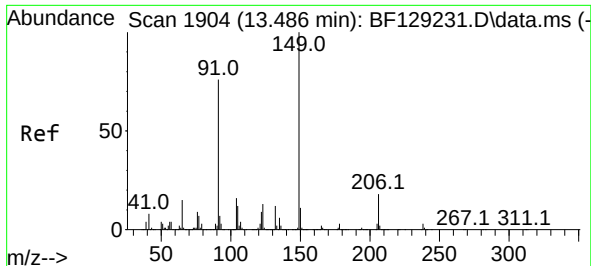
Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 13.5 8.8 13.2#

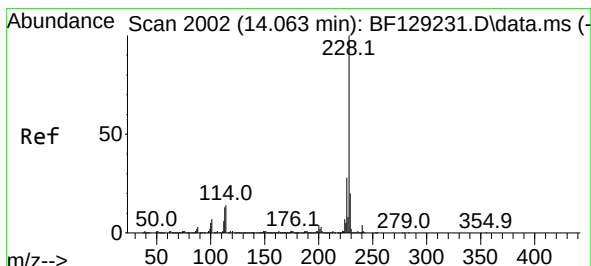
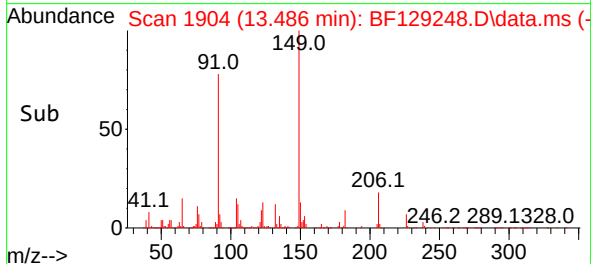
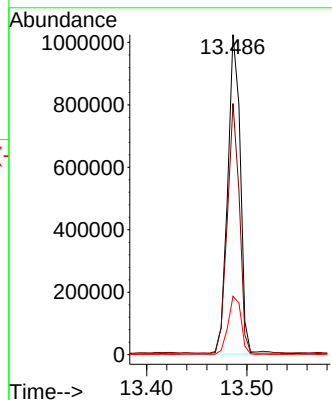
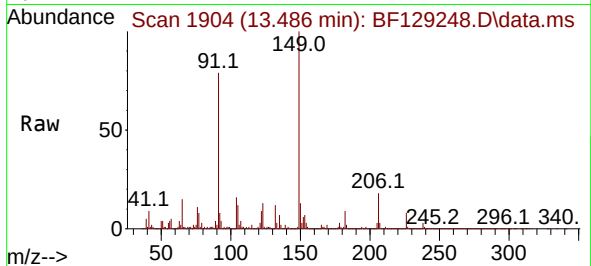




#80
Butylbenzylphthalate
Concen: 53.603 ng
RT: 13.486 min Scan# 1904
Delta R.T. -0.000 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

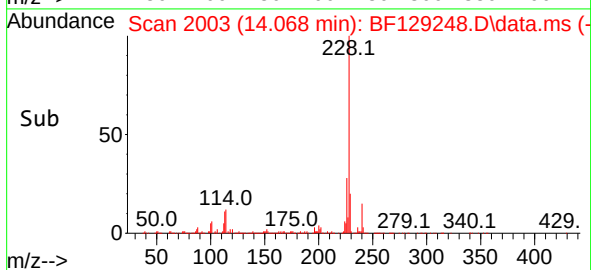
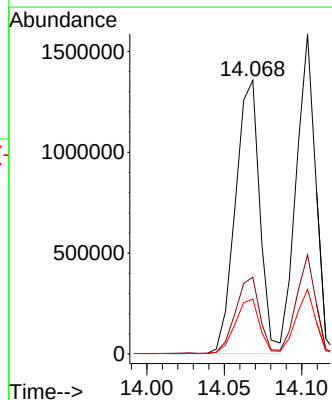
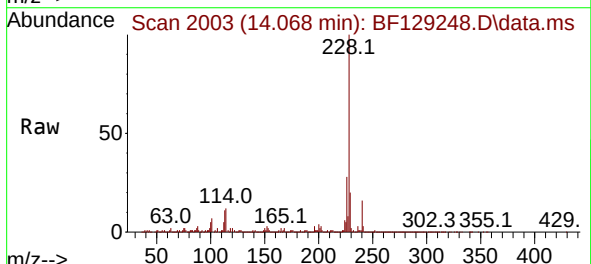
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

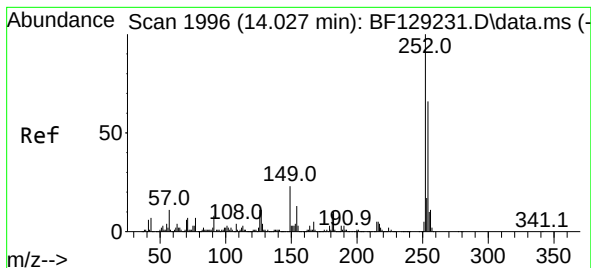
Tgt Ion:149 Resp: 887687
Ion Ratio Lower Upper
149 100
91 78.5 61.2 91.8
206 18.3 15.7 23.5



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

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

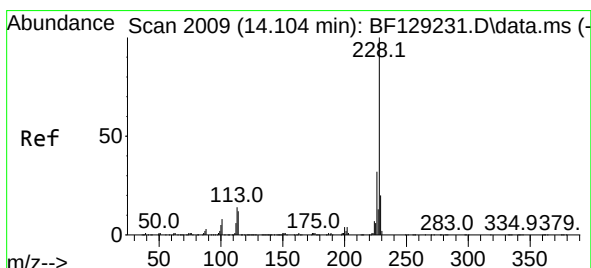
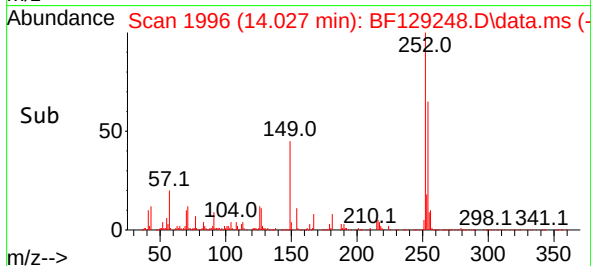
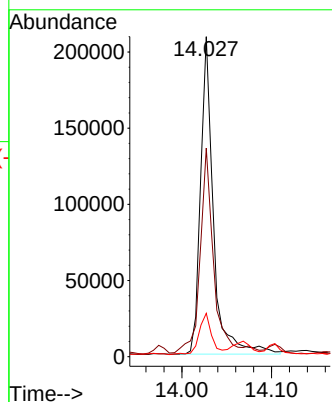
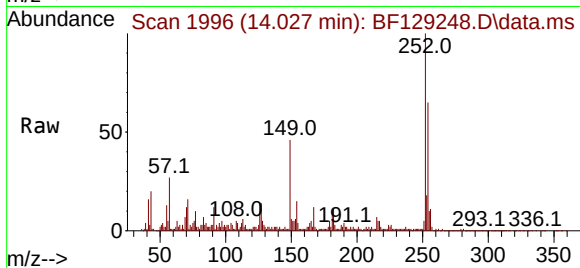




#82
 3,3'-Dichlorobenzidine
 Concen: 28.695 ng
 RT: 14.027 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

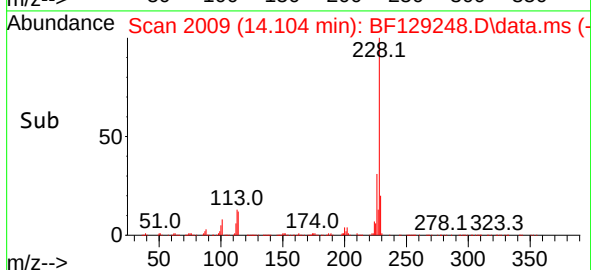
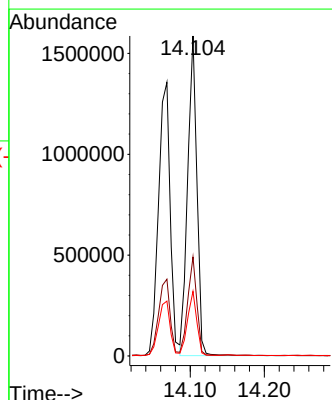
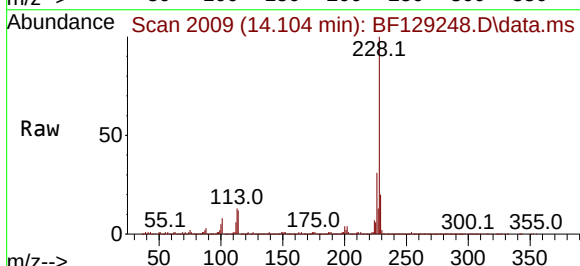
Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS

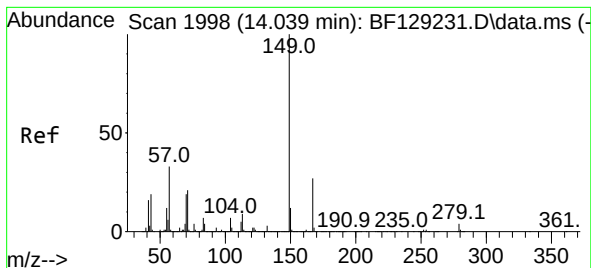
Tgt Ion:252 Resp: 207840
 Ion Ratio Lower Upper
 252 100
 254 65.2 50.2 75.4
 126 13.5 8.2 12.4#



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

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



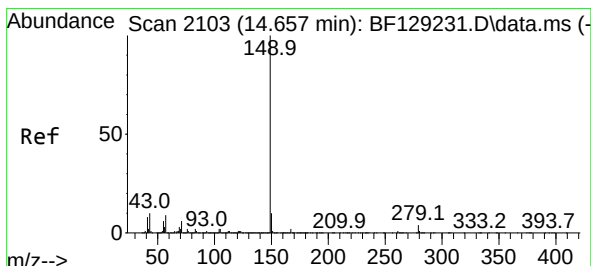
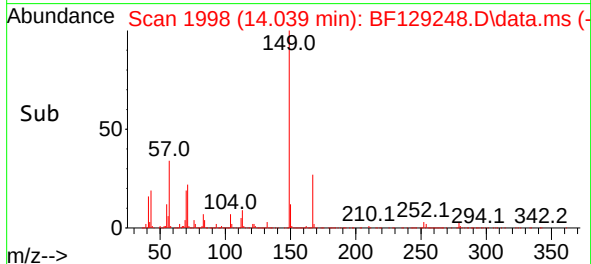
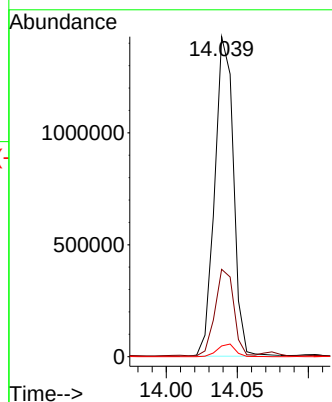
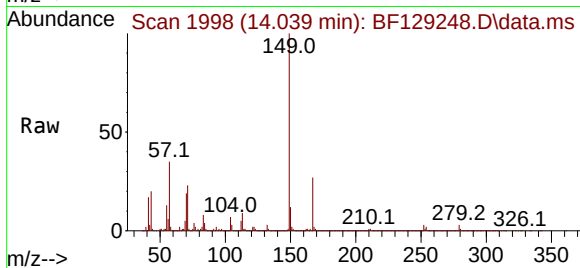


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 59.394 ng
 RT: 14.039 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

Instrument :
 BNA_F
 ClientSampleId :
 PIPELINE-PIGGING-TK2045LMS

Tgt Ion:149 Resp: 1308791

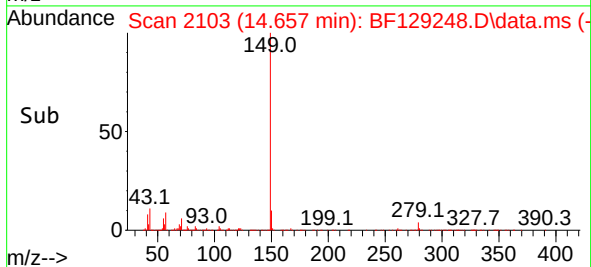
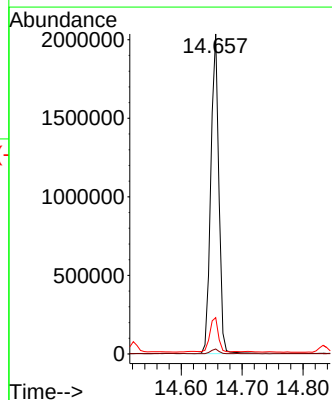
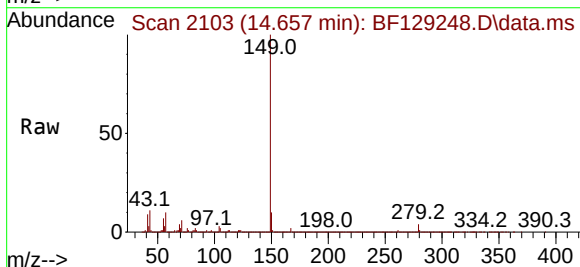
Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.0	31.4
279	3.4	3.1	4.7

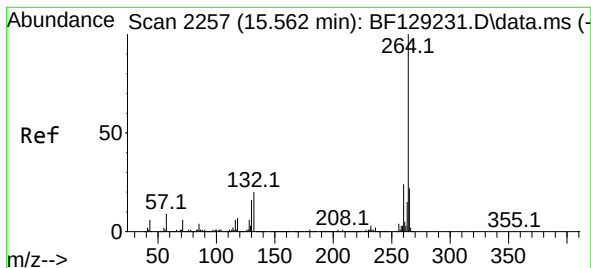


#85
 Di-n-octyl phthalate
 Concen: 59.173 ng
 RT: 14.657 min Scan# 2103
 Delta R.T. -0.000 min
 Lab File: BF129248.D
 Acq: 15 Jul 2022 20:26

Tgt Ion:149 Resp: 1870214

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.6	9.2	13.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

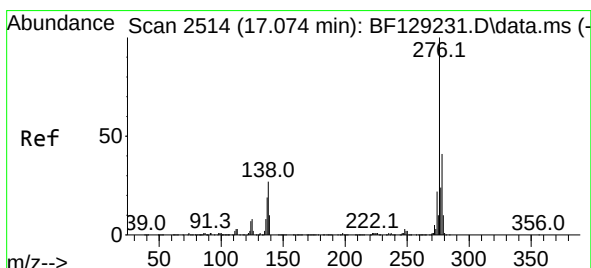
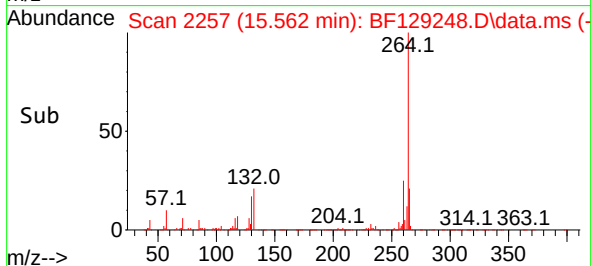
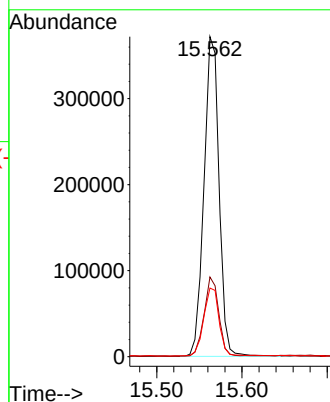
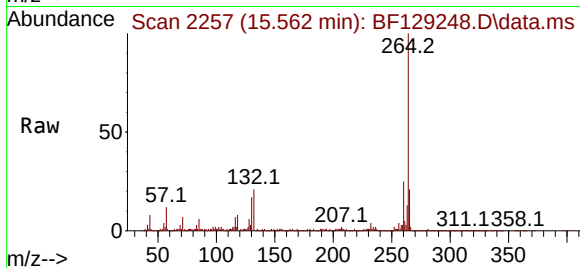
Tgt Ion:264 Resp: 457560

Ion Ratio Lower Upper

264 100

260 24.9 18.4 27.6

265 21.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 63.062 ng

RT: 17.080 min Scan# 2515

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

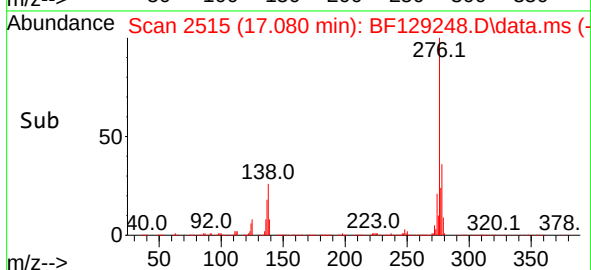
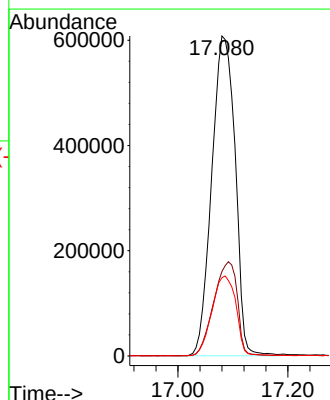
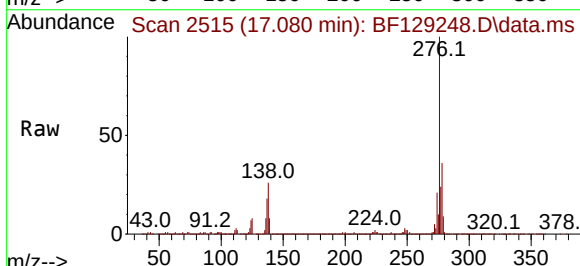
Tgt Ion:276 Resp: 1799275

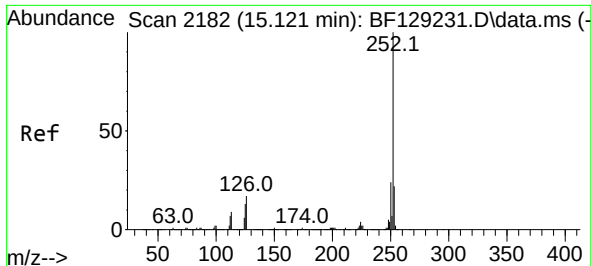
Ion Ratio Lower Upper

276 100

138 29.5 21.1 31.7

277 25.6 20.3 30.5

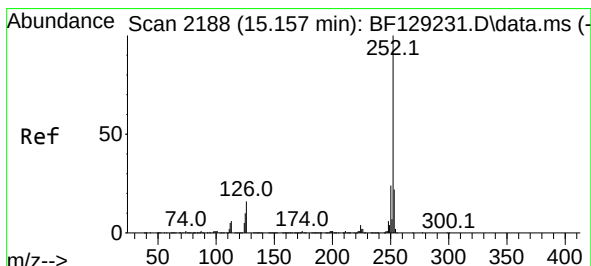
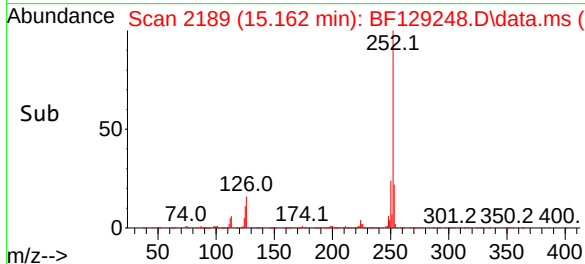
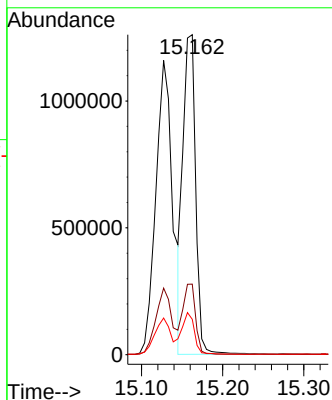
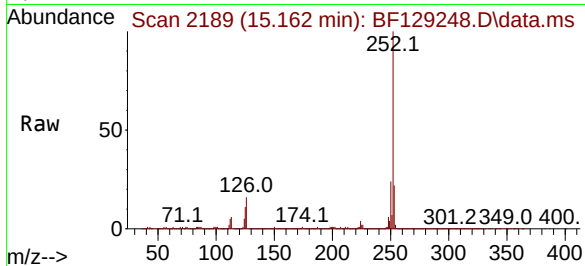




#88
Benzo(b)fluoranthene
Concen: 48.545 ng
RT: 15.162 min Scan# 2182
Delta R.T. 0.041 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

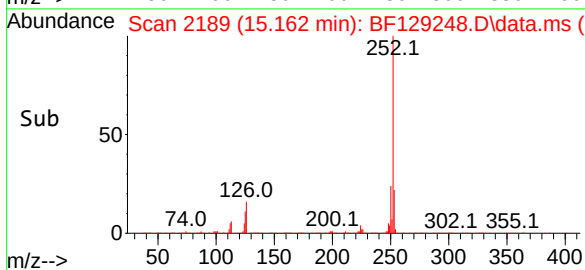
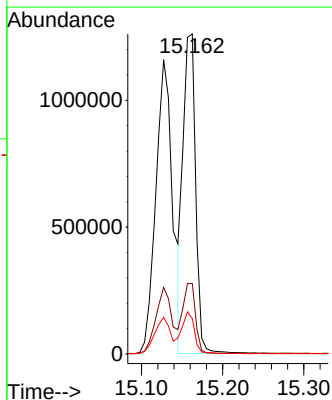
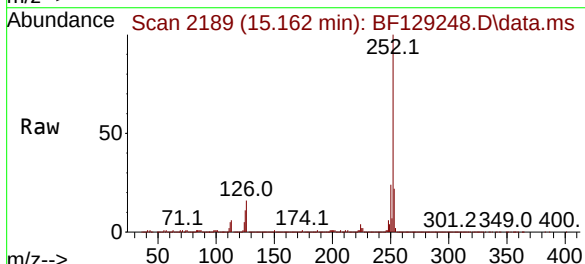
Instrument :
BNA_F
ClientSampleId :
PIPELINE-PIGGING-TK2045LMS

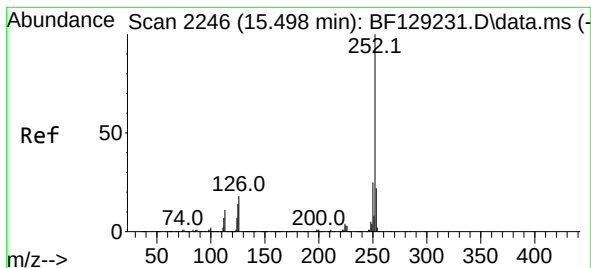
Tgt Ion:252 Resp: 1364581
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 11.0 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 49.688 ng
RT: 15.162 min Scan# 2189
Delta R.T. 0.006 min
Lab File: BF129248.D
Acq: 15 Jul 2022 20:26

Tgt Ion:252 Resp: 1364581
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.0 8.3 12.5





#90

Benzo(a)pyrene

Concen: 60.646 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS

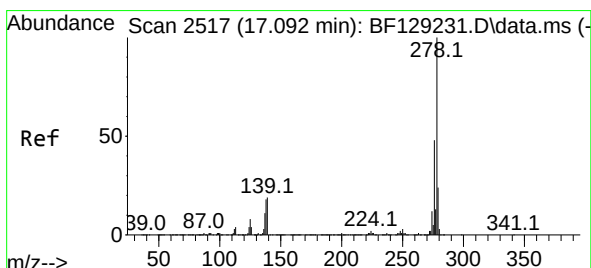
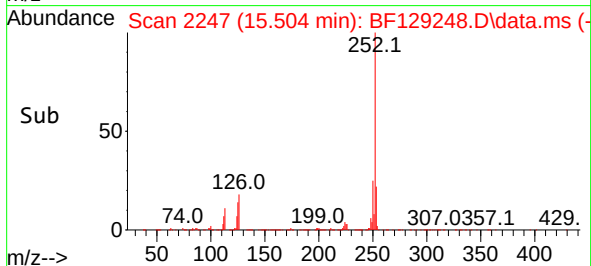
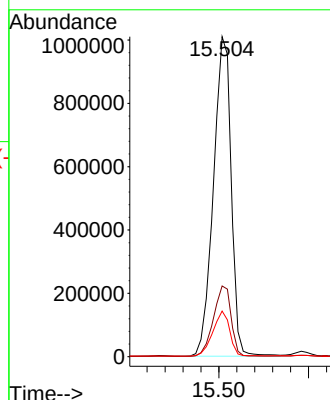
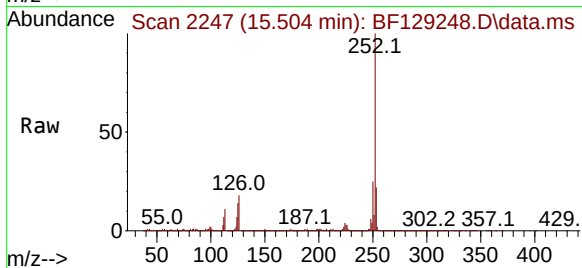
Tgt Ion:252 Resp: 1387799

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 14.2 8.8 13.2#



#91

Dibenzo(a,h)anthracene

Concen: 66.452 ng

RT: 17.103 min Scan# 2519

Delta R.T. 0.012 min

Lab File: BF129248.D

Acq: 15 Jul 2022 20:26

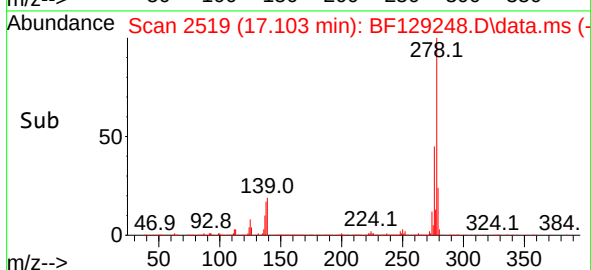
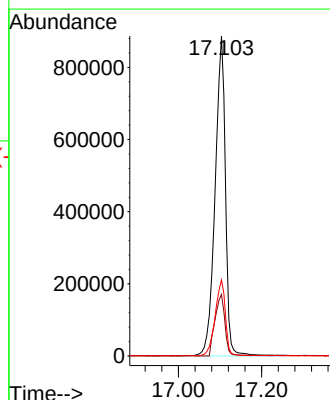
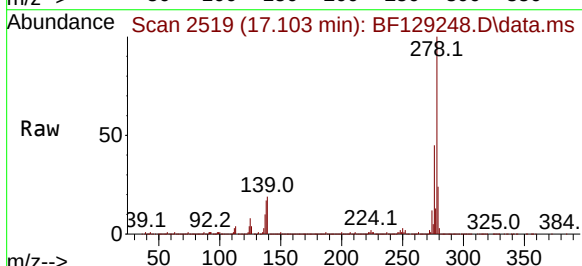
Tgt Ion:278 Resp: 1533621

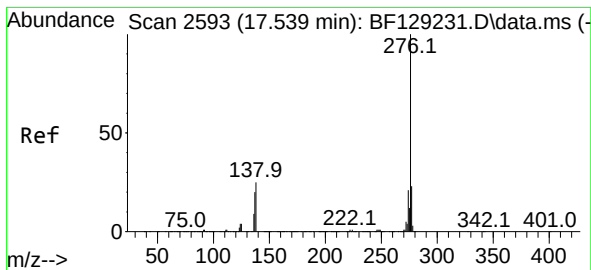
Ion Ratio Lower Upper

278 100

139 19.3 12.8 19.2#

279 23.8 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 67.082 ng

RT: 17.551 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129248.D

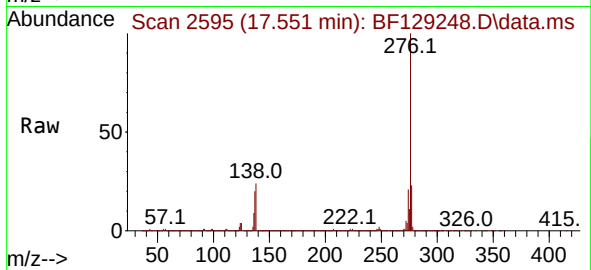
Acq: 15 Jul 2022 20:26

Instrument :

BNA_F

ClientSampleId :

PIPELINE-PIGGING-TK2045LMS



Tgt Ion:276 Resp: 1582521

Ion Ratio Lower Upper

276 100

277 23.3 19.1 28.7

138 23.8 18.0 27.0

