

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133167.D
 Acq On : 01 May 2023 21:13
 Operator : CG\JU
 Sample : 02558-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS012-0006-01

Quant Time: May 02 05:23:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

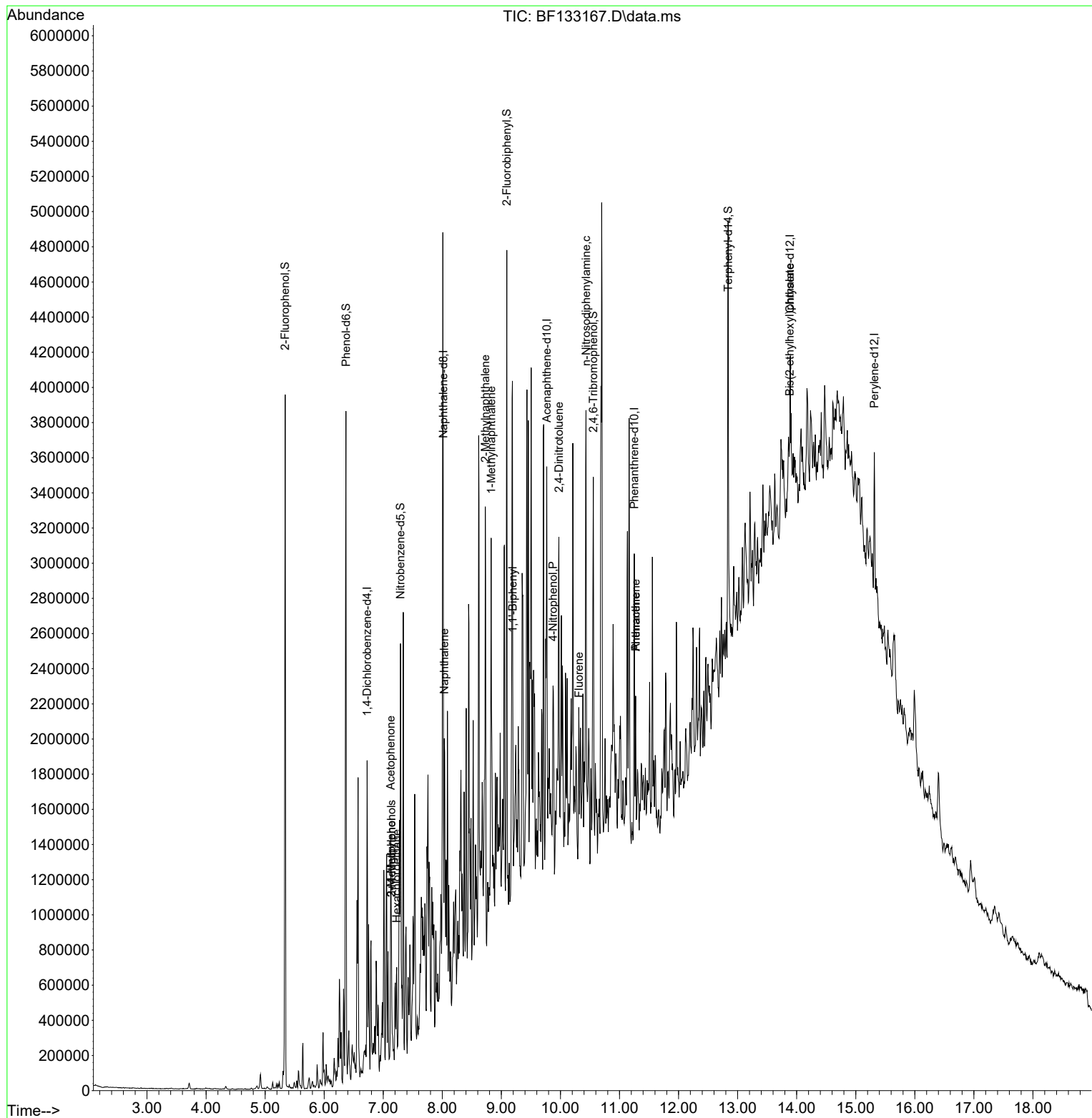
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	212779	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	698927	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	365704	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	605822	20.000	ng	0.00
76) Chrysene-d12	13.886	240	307015	20.000	ng	# 0.00
86) Perylene-d12	15.315	264	419020	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1090093	77.390	ng	0.00
7) Phenol-d6	6.369	99	1331358	76.151	ng	0.00
23) Nitrobenzene-d5	7.292	82	655502	50.623	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	266703	72.516	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1047383	47.915	ng	0.00
79) Terphenyl-d14	12.839	244	778543	43.735	ng	0.00
Target Compounds						
9) Benzaldehyde	6.287	77	8121	Below Cal	#	1
17) 2-Methylphenol	7.139	107	134879	10.300	ng	# 69
18) Hexachloroethane	7.228	117	11548	2.180	ng	# 1
20) 3+4-Methylphenols	7.139	107	134879	8.746	ng	# 55
22) Acetophenone	7.128	105	125298	7.739	ng	# 45
31) Naphthalene	8.034	128	358994	10.273	ng	# 97
37) 2-Methylnaphthalene	8.728	142	699944	29.298	ng	99
38) 1-Methylnaphthalene	8.828	142	484340	21.672	ng	100
46) 1,1'-Biphenyl	9.192	154	82136	2.832	ng	97
56) 4-Nitrophenol	9.875	139	25648	4.853	ng	# 48
57) 2,4-Dinitrotoluene	9.975	165	18024	2.463	ng	# 58
58) Fluorene	10.316	166	86229	3.799	ng	# 88
66) n-Nitrosodiphenylamine	10.433	169	116483	5.927	ng	# 49
71) Phenanthrene	11.274	178	229665	7.053	ng	96
72) Anthracene	11.274	178	229665	6.892	ng	97
84) Bis(2-ethylhexyl)phtha...	13.880	149	23735	2.029	ng	# 76

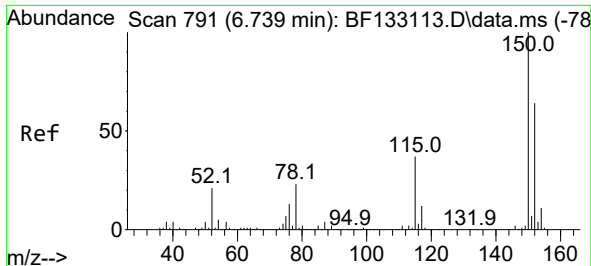
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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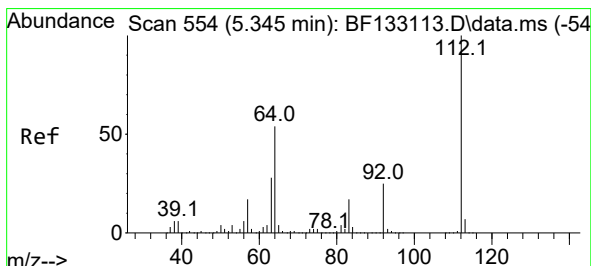
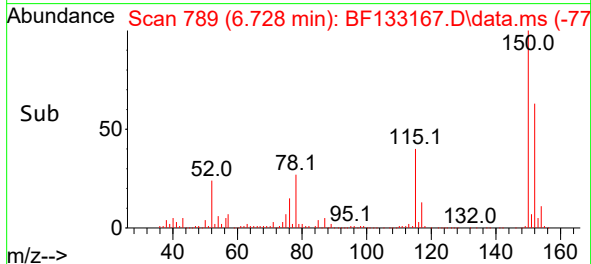
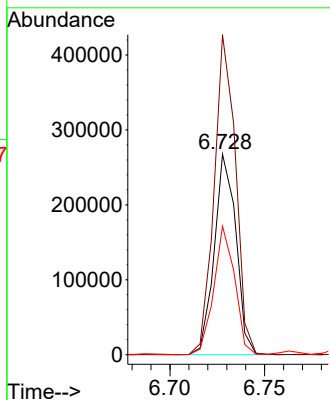
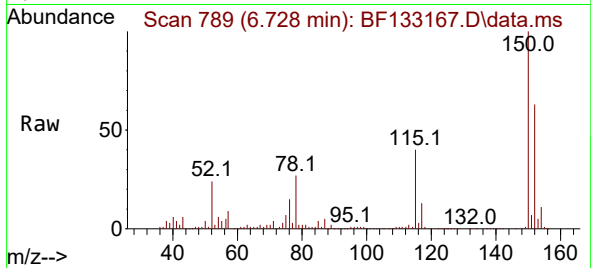




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

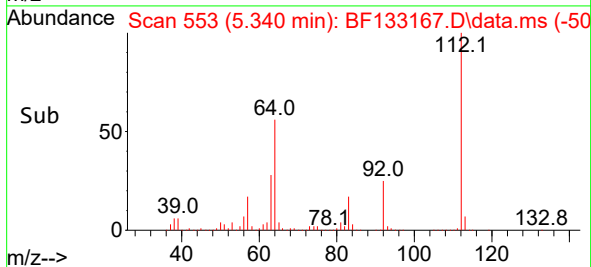
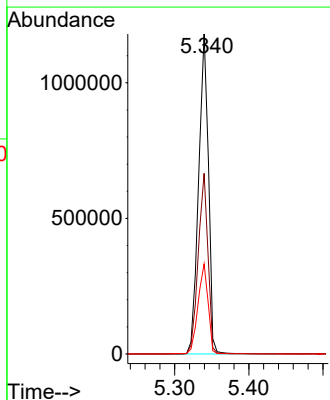
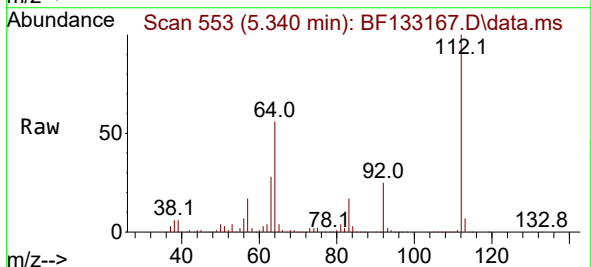
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

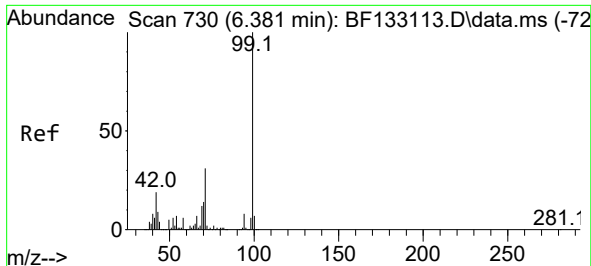
Tgt Ion:152 Resp: 212779
Ion Ratio Lower Upper
152 100
150 159.6 124.8 187.2
115 64.0 49.9 74.9



#5
2-Fluorophenol
Concen: 77.390 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:112 Resp: 1090093
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 28.1 23.8 35.8

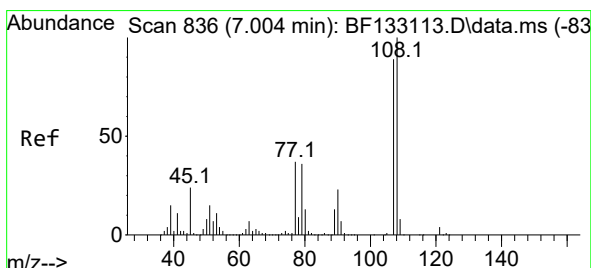
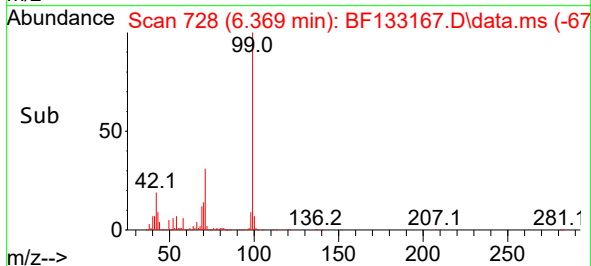
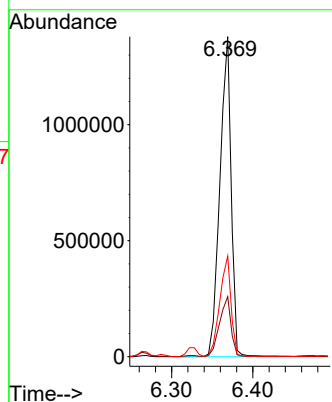
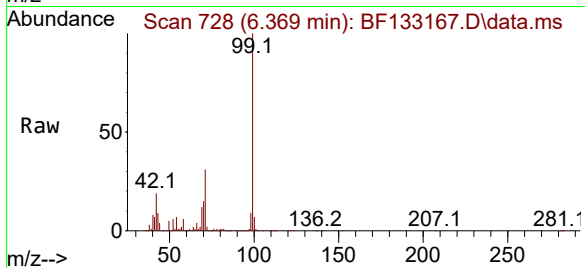




#7
Phenol-d6
Concen: 76.151 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

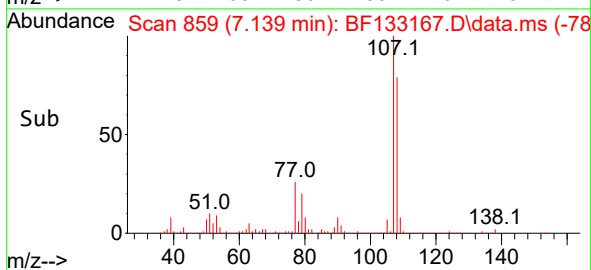
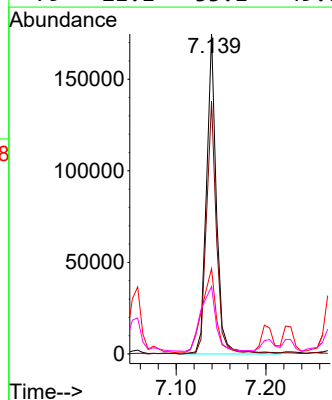
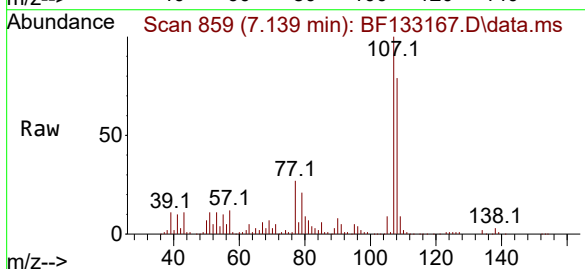
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

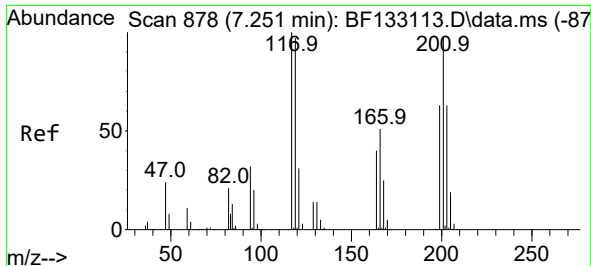
Tgt Ion: 99 Resp: 1331358
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 31.5 25.6 38.4



#17
2-Methylphenol
Concen: 10.300 ng
RT: 7.139 min Scan# 859
Delta R.T. 0.141 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

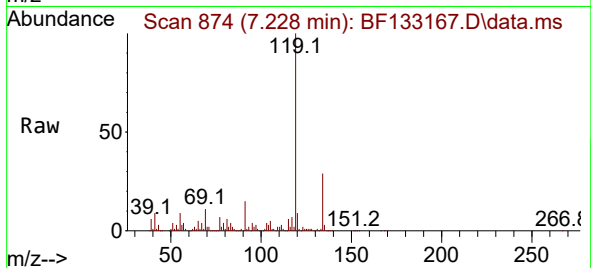
Tgt Ion: 107 Resp: 134879
Ion Ratio Lower Upper
107 100
108 78.9 92.4 138.6#
77 26.6 33.8 50.8#
79 21.1 33.1 49.7#



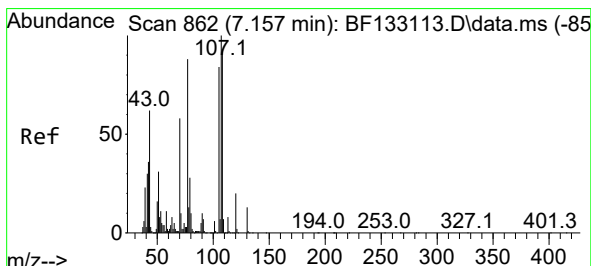
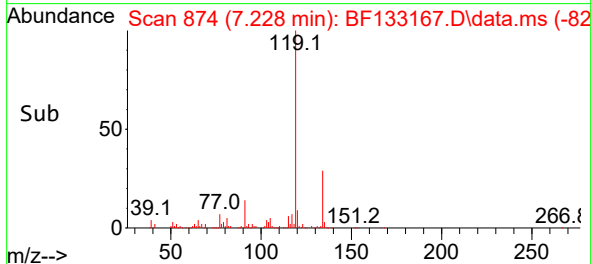
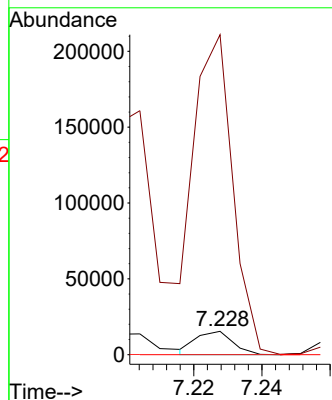


#18
Hexachloroethane
Concen: 2.180 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

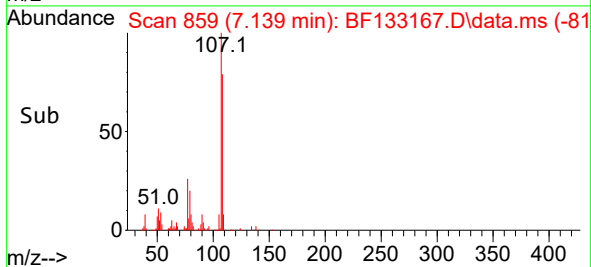
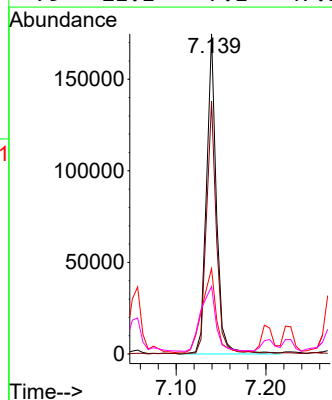
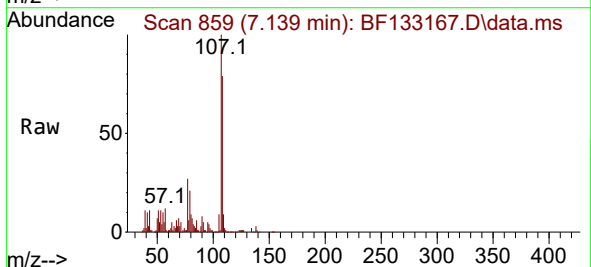


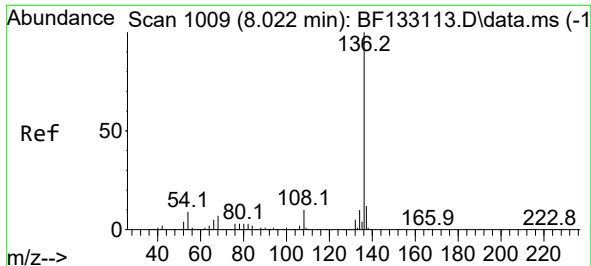
Tgt Ion:117 Resp: 11548
Ion Ratio Lower Upper
117 100
119 1366.4 78.2 117.4#
201 0.0 81.7 122.5#



#20
3+4-Methylphenols
Concen: 8.746 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.012 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:107 Resp: 134879
Ion Ratio Lower Upper
107 100
108 78.9 70.5 110.5
77 26.6 91.7 131.7#
79 21.1 7.1 47.1

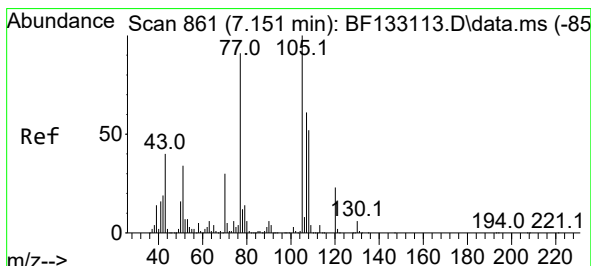
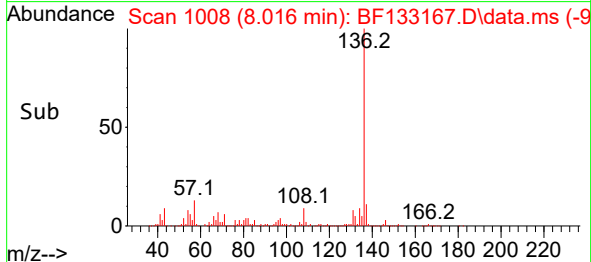
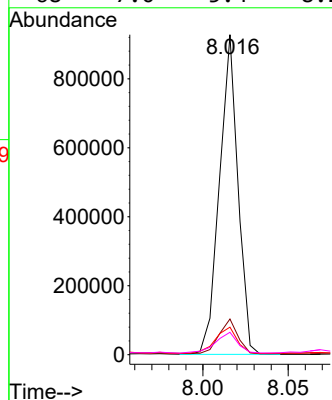
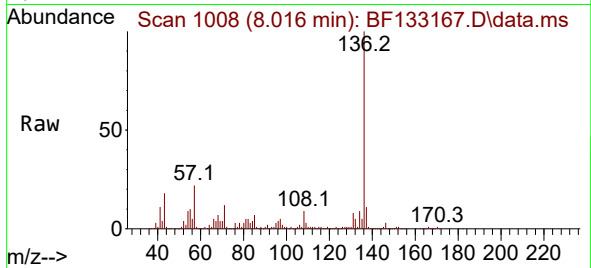




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

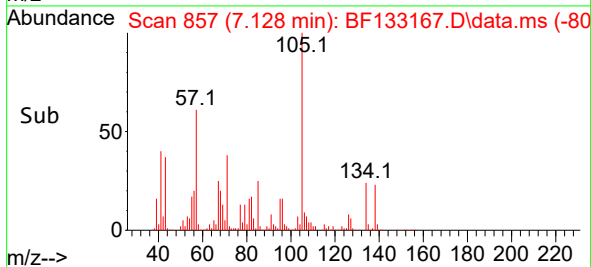
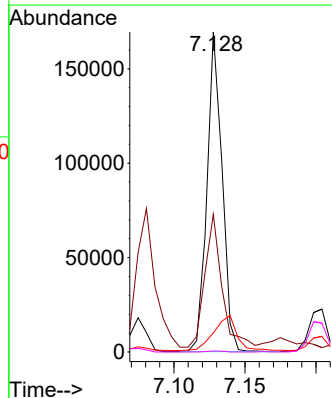
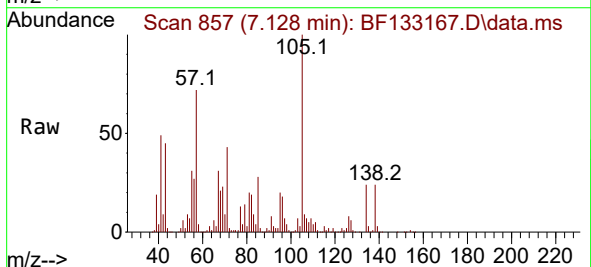
Instrument :
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ClientSampleId :
P001-SS012-0006-01

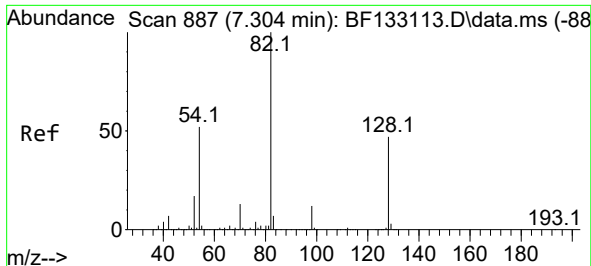
Tgt Ion:136 Resp: 698927
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 7.0 10.4
68 7.0 5.4 8.2



#22
Acetophenone
Concen: 7.739 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.018 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:105 Resp: 125298
Ion Ratio Lower Upper
105 100
71 43.0 4.6 7.0#
51 5.9 28.2 42.2#
120 0.3 18.4 27.6#





#23

Nitrobenzene-d5

Concen: 50.623 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01

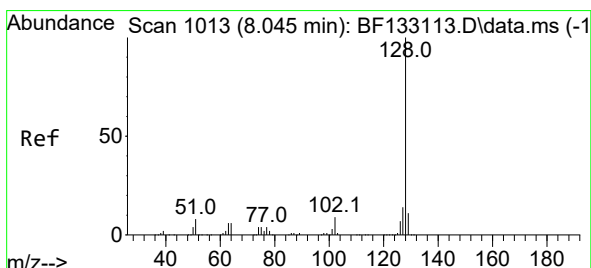
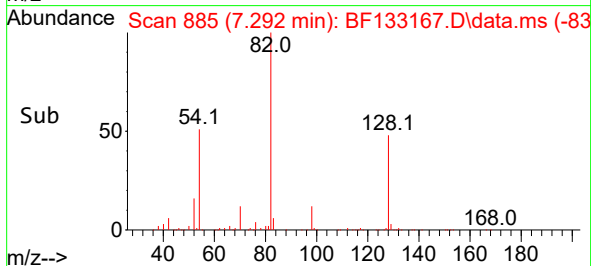
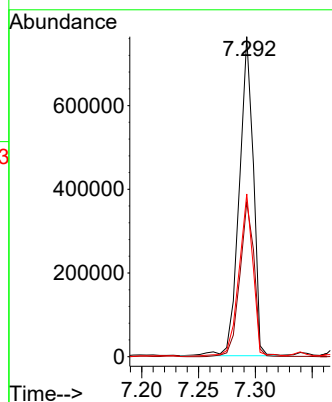
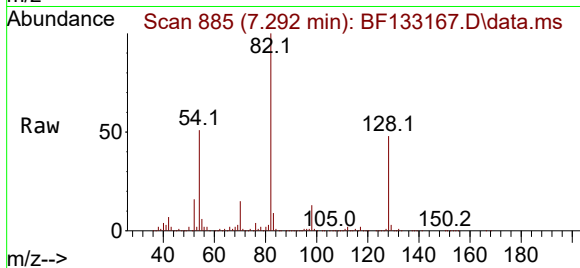
Tgt Ion: 82 Resp: 655502

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 50.8 43.0 64.4



#31

Naphthalene

Concen: 10.273 ng

RT: 8.034 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

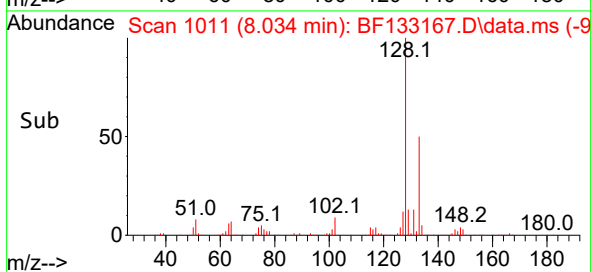
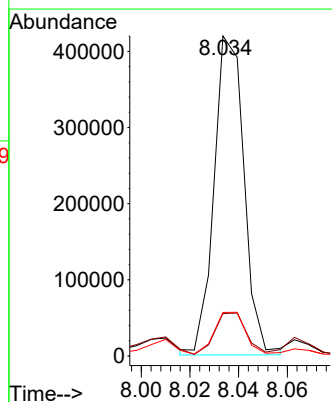
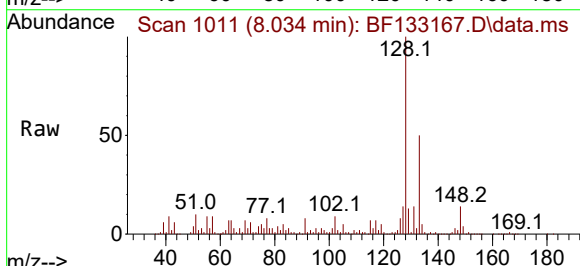
Tgt Ion: 128 Resp: 358994

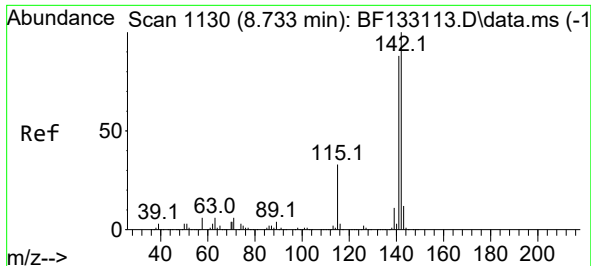
Ion Ratio Lower Upper

128 100

129 13.3 8.8 13.2#

127 13.6 10.7 16.1

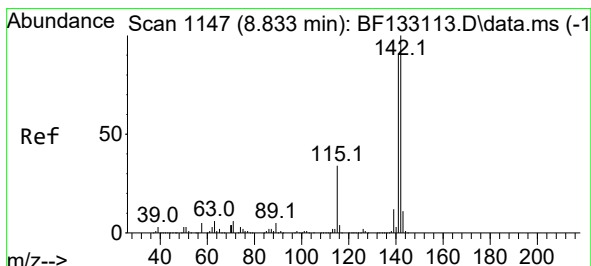
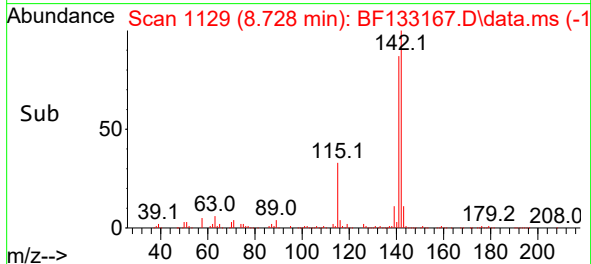
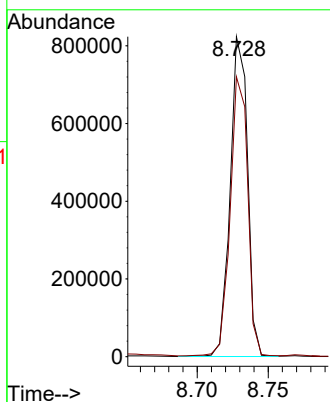
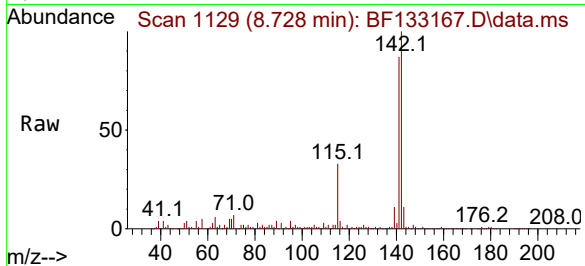




#37
2-Methylnaphthalene
Concen: 29.298 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

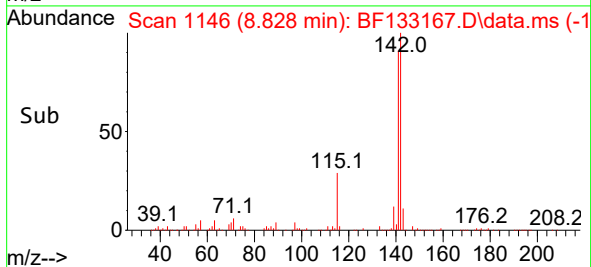
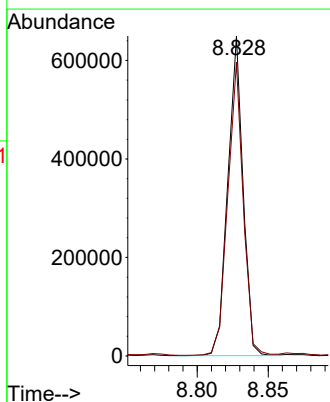
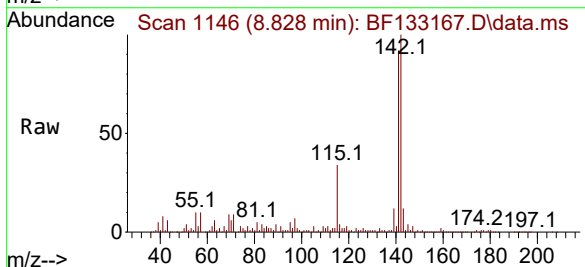
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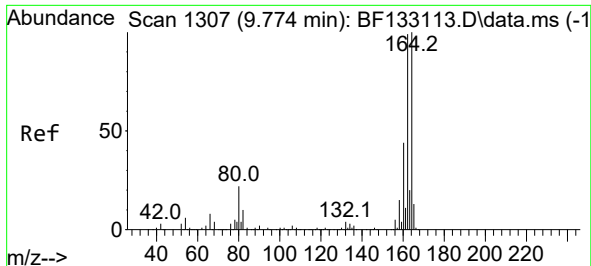
Tgt Ion:142 Resp: 699944
Ion Ratio Lower Upper
142 100
141 87.5 69.4 104.0



#38
1-Methylnaphthalene
Concen: 21.672 ng
RT: 8.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:142 Resp: 484340
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01

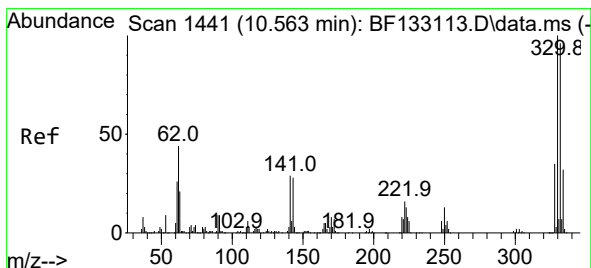
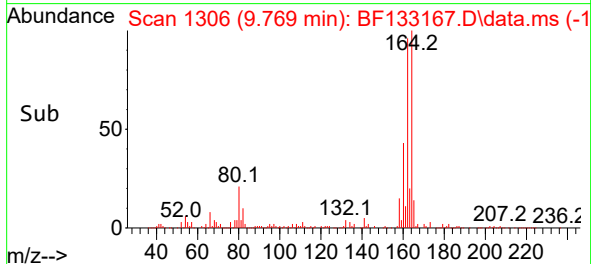
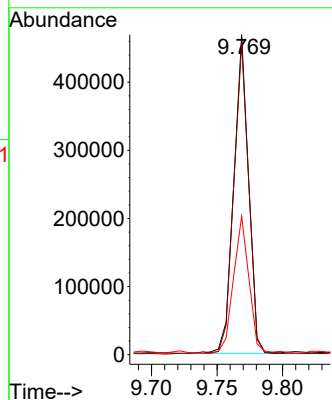
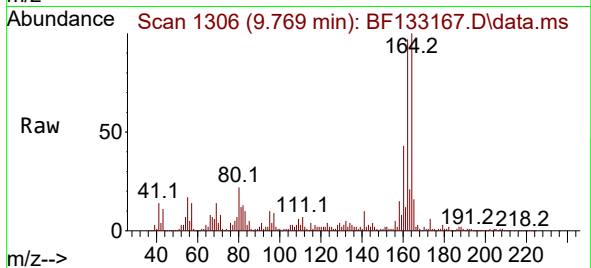
Tgt Ion:164 Resp: 365704

Ion Ratio Lower Upper

164 100

162 97.5 78.7 118.1

160 43.2 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 72.516 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

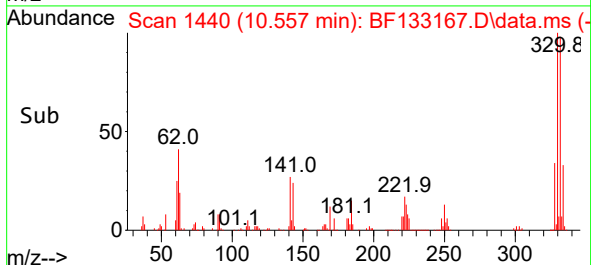
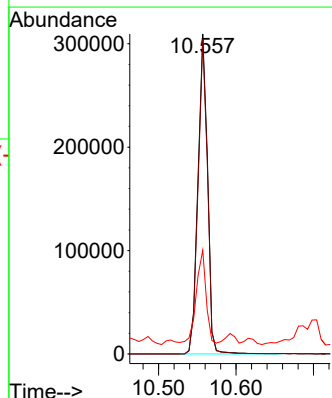
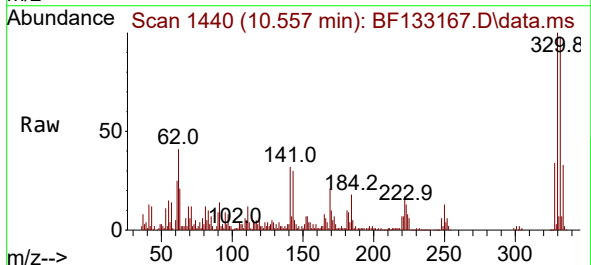
Tgt Ion:330 Resp: 266703

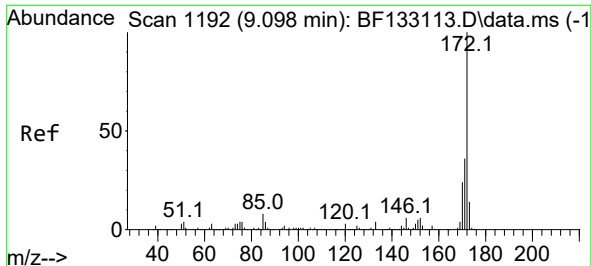
Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

141 29.1 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 47.915 ng

RT: 9.092 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01

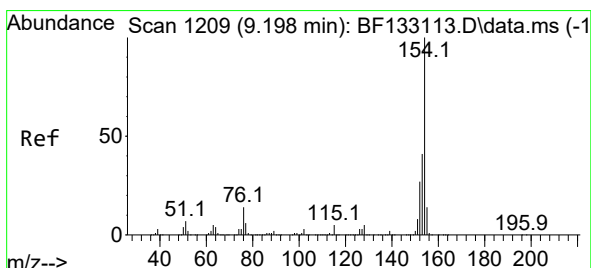
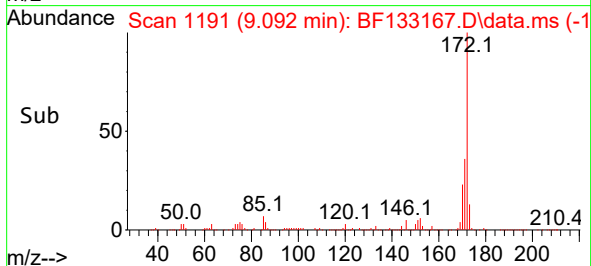
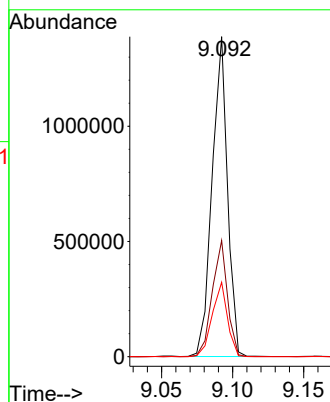
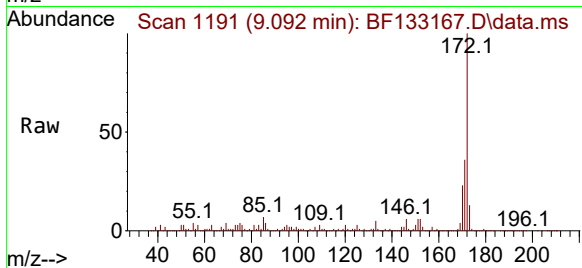
Tgt Ion:172 Resp: 1047383

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 23.3 19.4 29.2



#46

1,1'-Biphenyl

Concen: 2.832 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

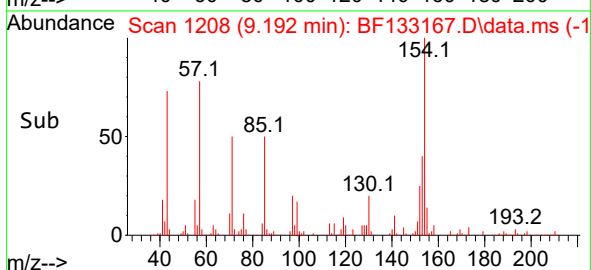
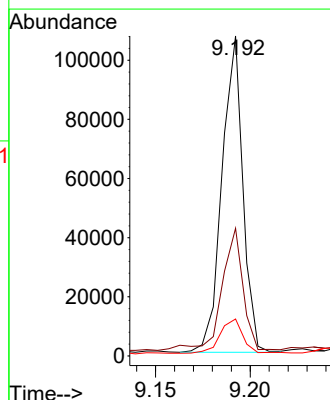
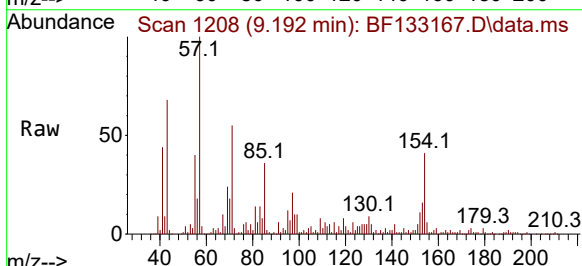
Tgt Ion:154 Resp: 82136

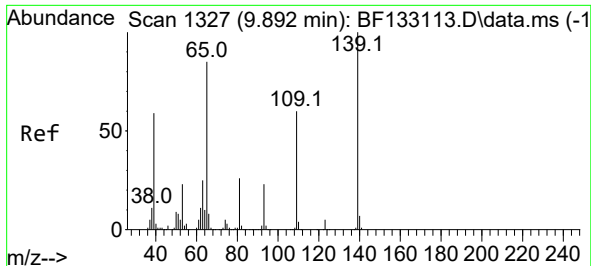
Ion Ratio Lower Upper

154 100

153 39.9 21.0 61.0

76 11.5 0.0 34.5

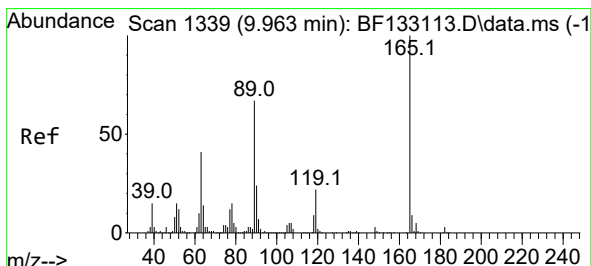
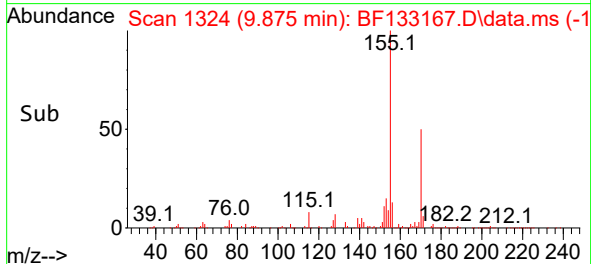
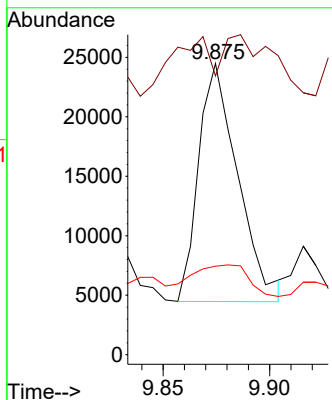
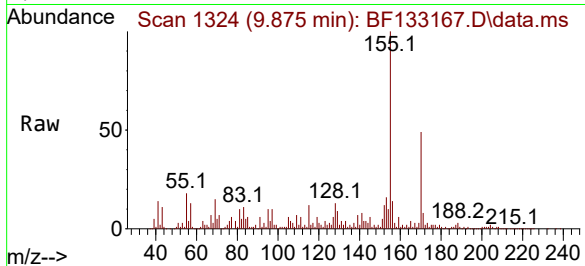




#56
4-Nitrophenol
Concen: 4.853 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

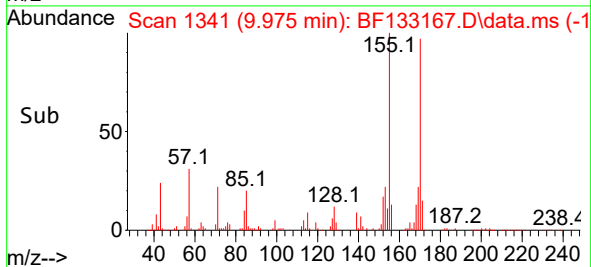
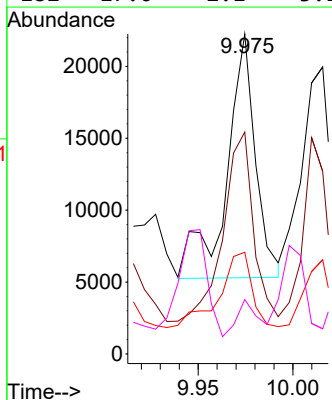
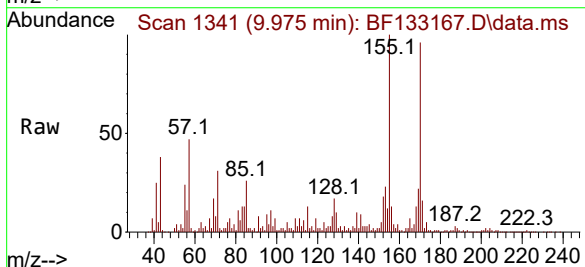
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

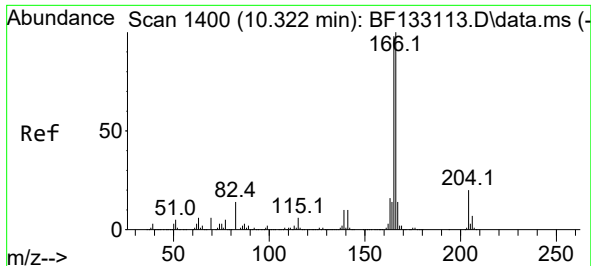
Tgt Ion:139 Resp: 25648
Ion Ratio Lower Upper
139 100
109 95.7 39.4 79.4#
65 30.4 57.5 97.5#



#57
2,4-Dinitrotoluene
Concen: 2.463 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:165 Resp: 18024
Ion Ratio Lower Upper
165 100
63 69.3 37.7 56.5#
89 31.8 57.0 85.4#
182 17.0 2.1 3.1#

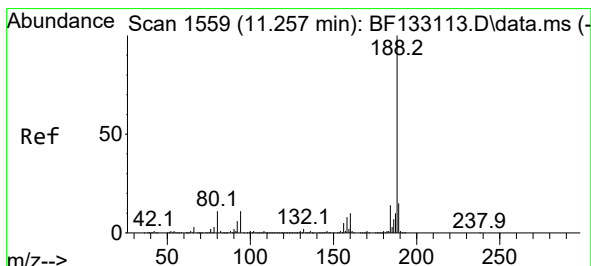
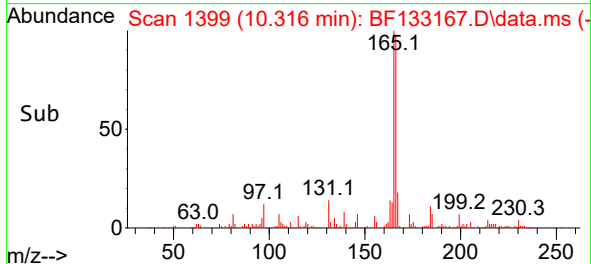
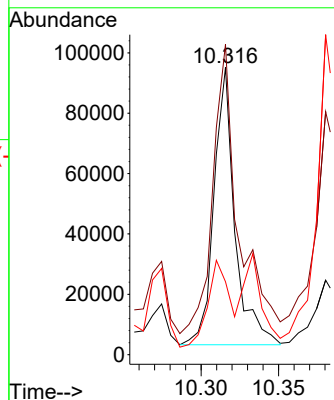
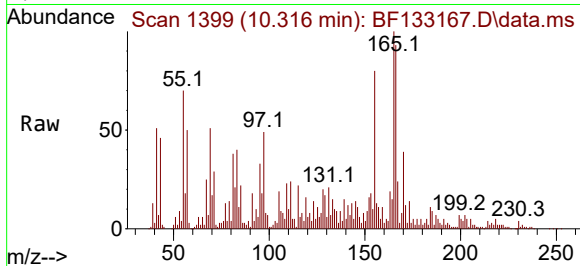




#58
Fluorene
Concen: 3.799 ng
RT: 10.316 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

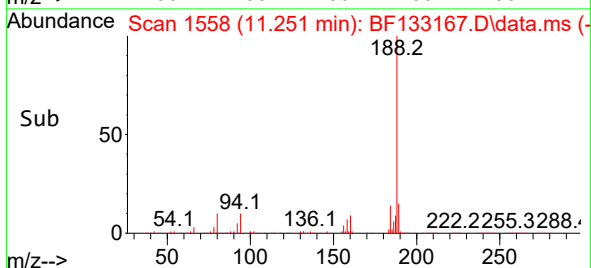
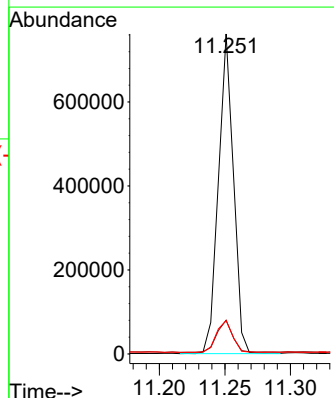
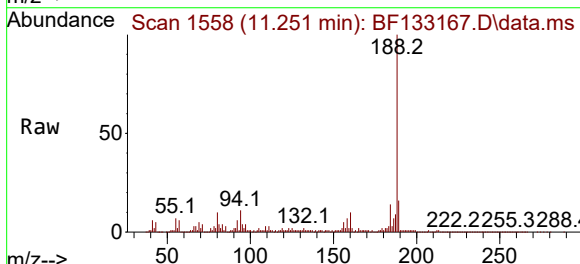
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

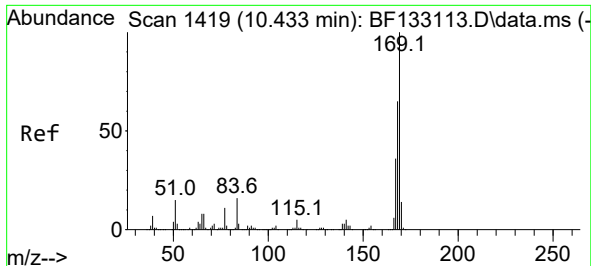
Tgt Ion:166 Resp: 86229
Ion Ratio Lower Upper
166 100
165 108.0 78.6 117.8
167 25.4 11.0 16.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:188 Resp: 605822
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 10.5 10.4 15.6

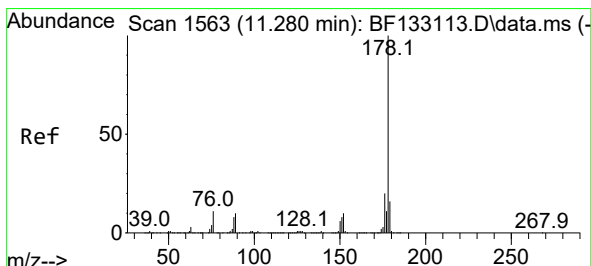
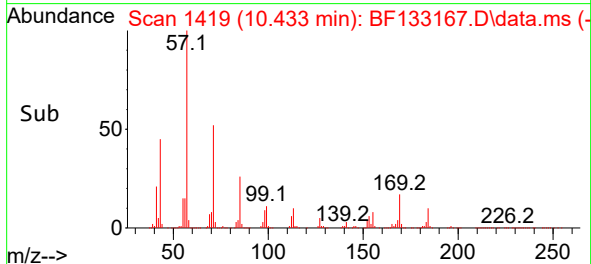
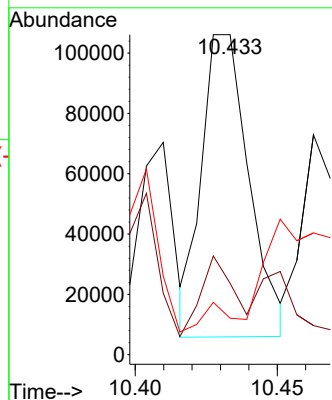
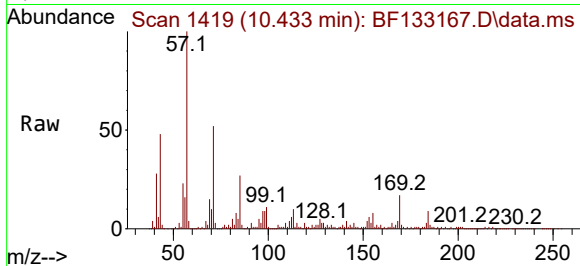




#66
n-Nitrosodiphenylamine
Concen: 5.927 ng
RT: 10.433 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

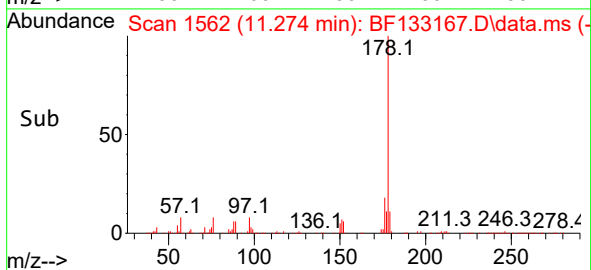
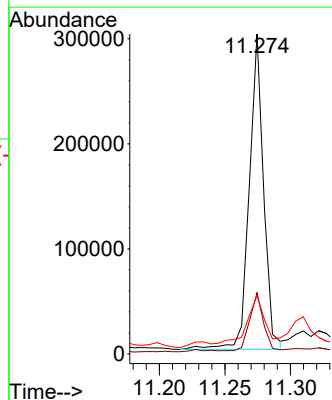
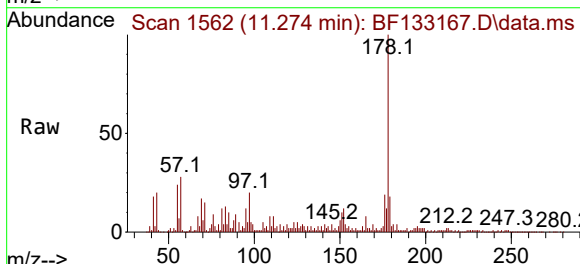
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

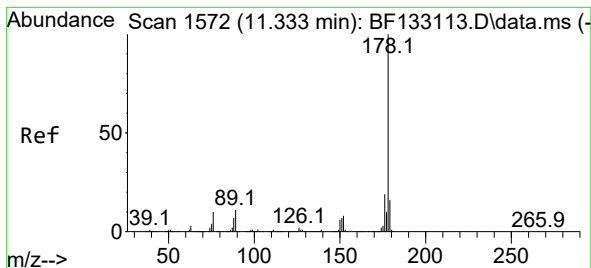
Tgt Ion:169 Resp: 116483
Ion Ratio Lower Upper
169 100
168 22.3 53.8 80.8#
167 11.4 29.7 44.5#



#71
Phenanthrene
Concen: 7.053 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:178 Resp: 229665
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 18.2 12.5 18.7





#72

Anthracene

Concen: 6.892 ng

RT: 11.274 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01

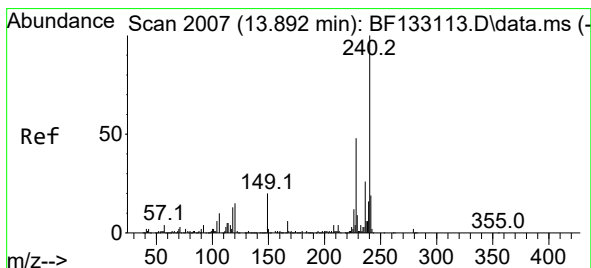
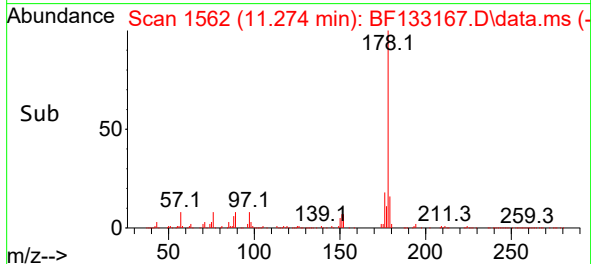
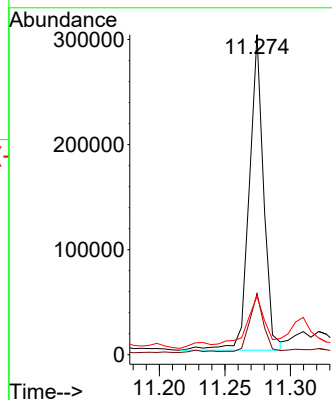
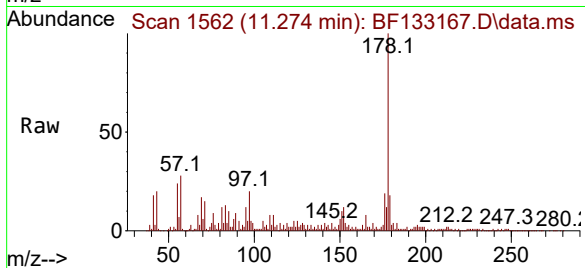
Tgt Ion:178 Resp: 229665

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 18.2 12.4 18.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

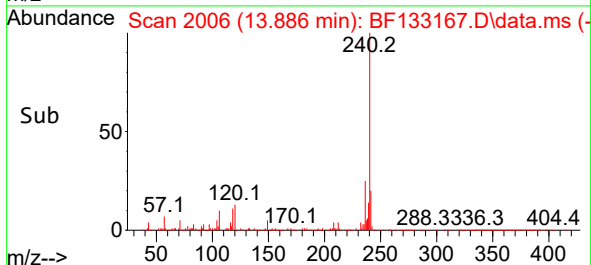
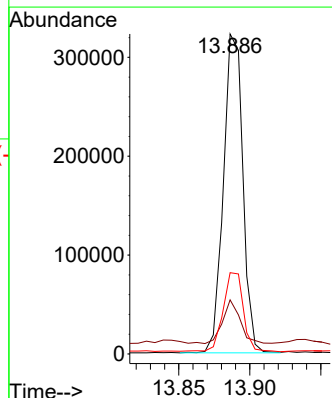
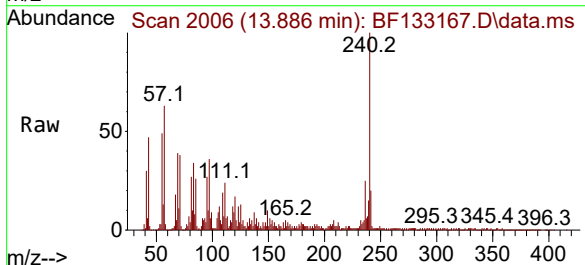
Tgt Ion:240 Resp: 307015

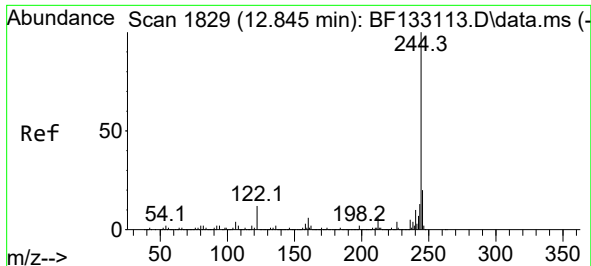
Ion Ratio Lower Upper

240 100

120 16.9 10.5 15.7#

236 25.4 21.5 32.3

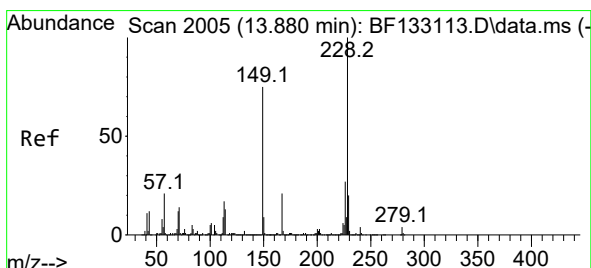
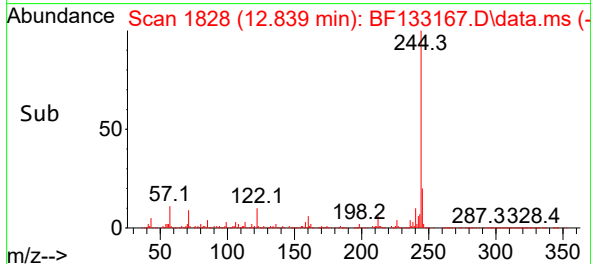
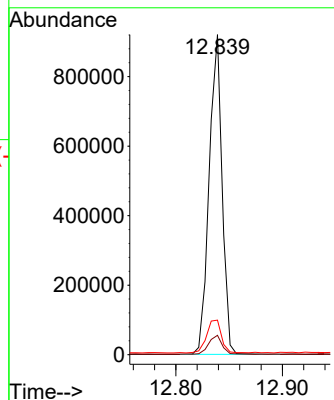
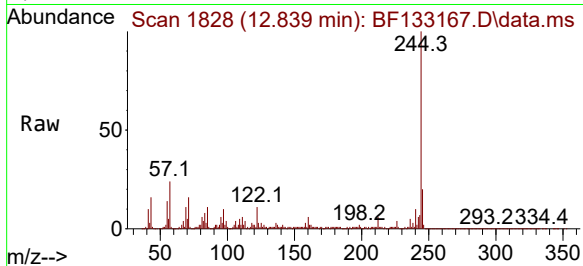




#79
 Terphenyl-d14
 Concen: 43.735 ng
 RT: 12.839 min Scan# 1829
 Delta R.T. 0.000 min
 Lab File: BF133167.D
 Acq: 01 May 2023 21:13

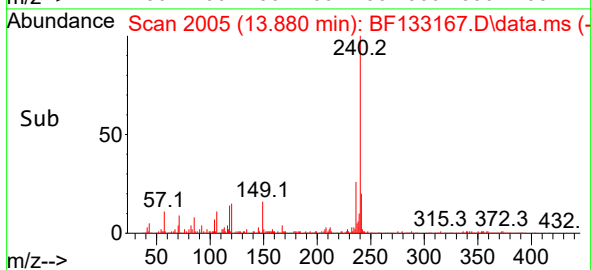
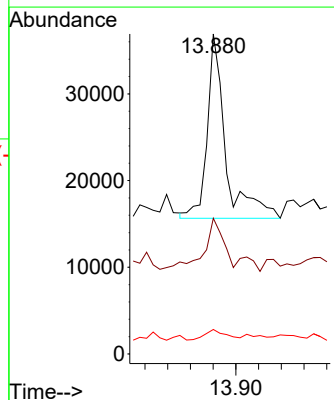
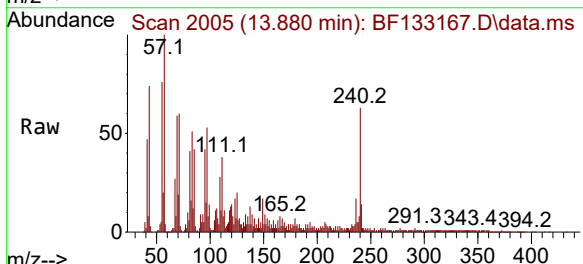
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS012-0006-01

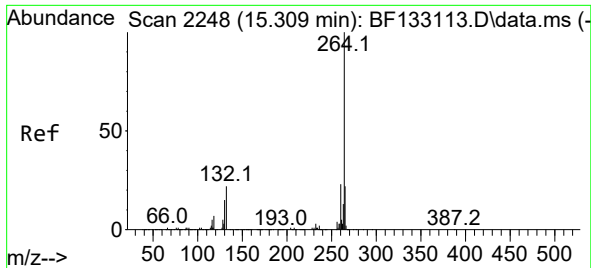
Tgt Ion:244 Resp: 778543
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 10.8 8.6 13.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.029 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: BF133167.D
 Acq: 01 May 2023 21:13

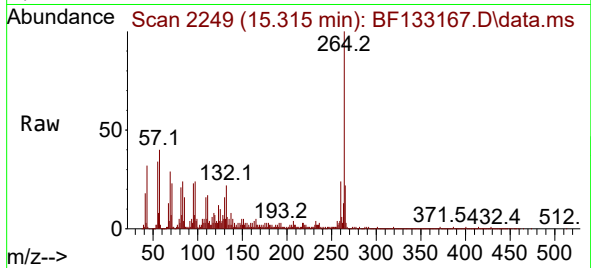
Tgt Ion:149 Resp: 23735
 Ion Ratio Lower Upper
 149 100
 167 42.4 22.5 33.7#
 279 7.7 4.2 6.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.315 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01



Tgt Ion:264 Resp: 419020
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.3 17.0 25.4

