

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134058.D
 Acq On : 30 Jun 2023 18:18
 Operator : CG\JU
 Sample : 03428-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1

Quant Time: Jun 30 19:15:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

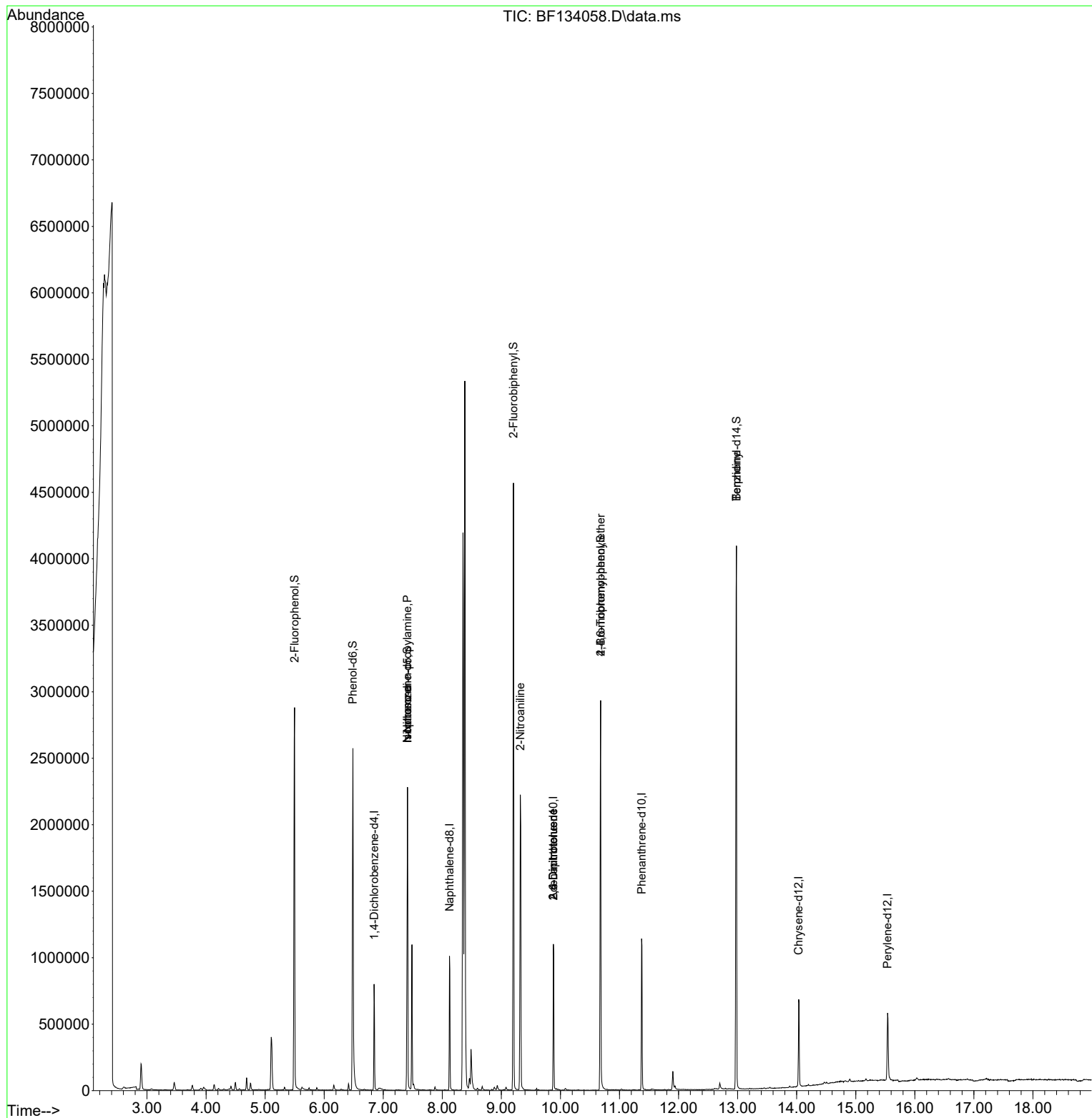
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	112600	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	432516	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	220397	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	446035	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	238671	20.000	ng	#-0.02
86) Perylene-d12	15.539	264	257171	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	808175	120.061	ng	0.01
7) Phenol-d6	6.487	99	929233	112.250	ng	0.00
23) Nitrobenzene-d5	7.410	82	719230	89.639	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	374716	135.603	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1324188	87.353	ng	0.00
79) Terphenyl-d14	12.980	244	1558457	105.091	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.487	77	1610	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	100888	19.218	ng	# 77
25) Isophorone	7.410	82	719222	49.321	ng	# 64
48) 2-Nitroaniline	9.322	65	25221	5.350	ng	# 16
51) 2,6-Dinitrotoluene	9.880	165	28323	8.219	ng	# 24
57) 2,4-Dinitrotoluene	9.880	165	28323	6.224	ng	# 22
67) 4-Bromophenyl-phenylether	10.680	248	22406	4.726	ng	# 1
77) Benzidine	12.980	184	21322	3.755	ng	# 90

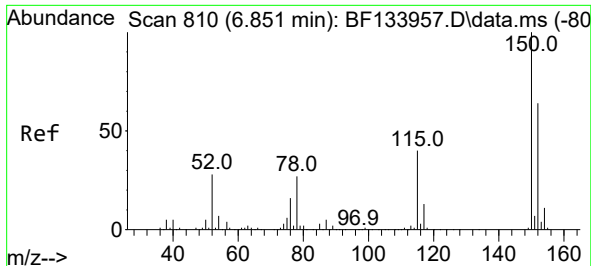
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
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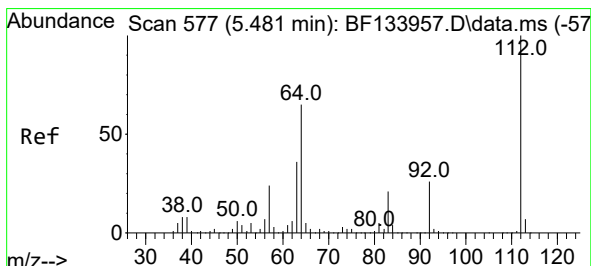
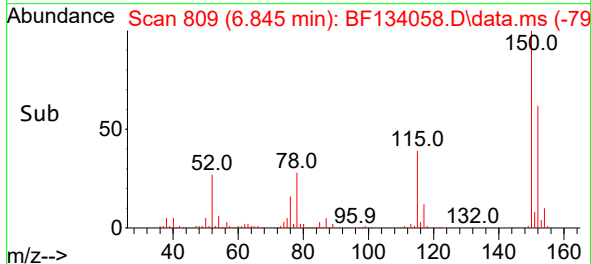
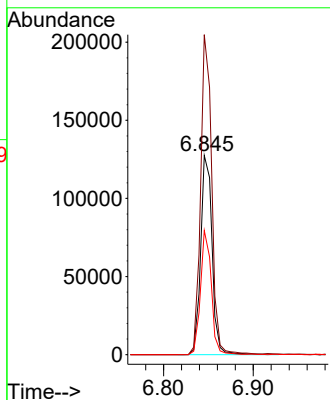
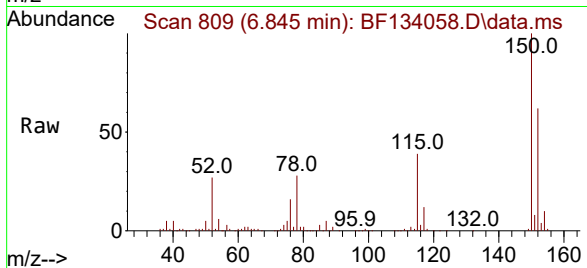




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

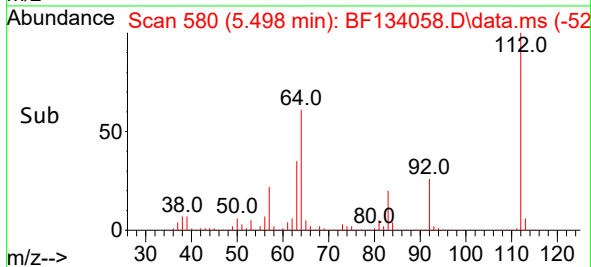
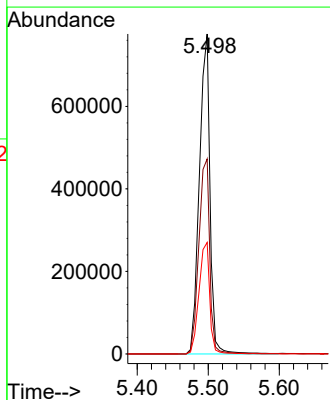
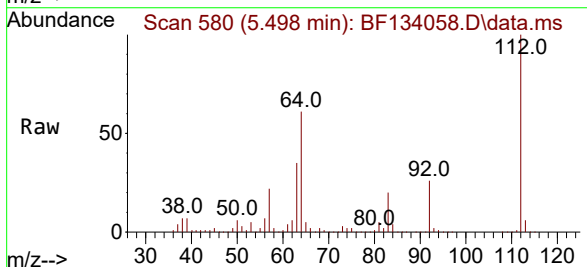
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1

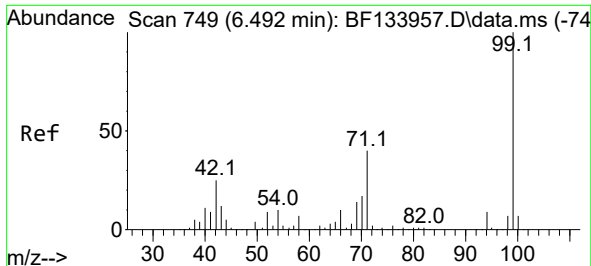
Tgt Ion:152 Resp: 112600
Ion Ratio Lower Upper
152 100
150 160.6 124.5 186.7
115 62.3 50.2 75.2



#5
2-Fluorophenol
Concen: 120.061 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion:112 Resp: 808175
Ion Ratio Lower Upper
112 100
64 61.0 52.1 78.1
63 34.9 28.6 42.8

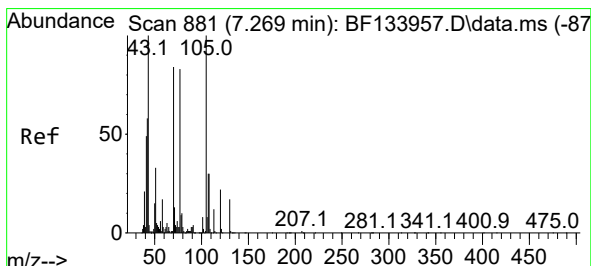
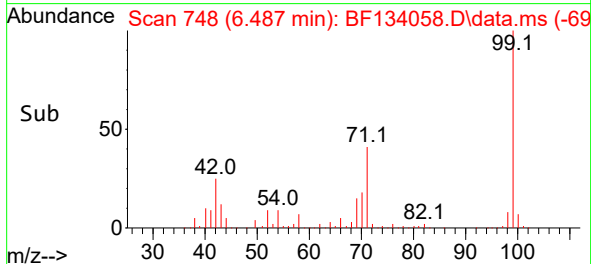
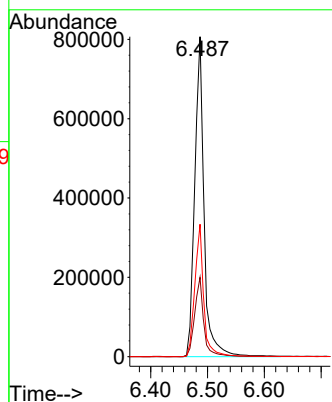
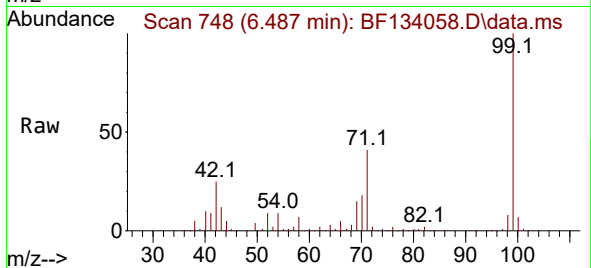




#7
Phenol-d6
Concen: 112.250 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

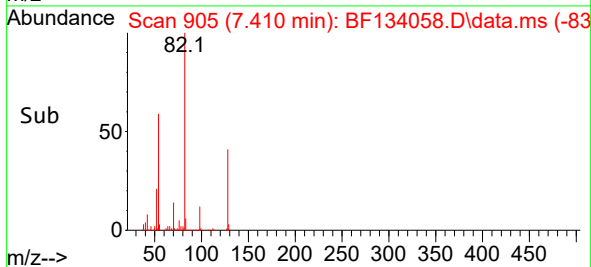
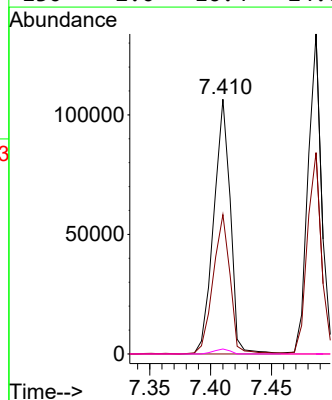
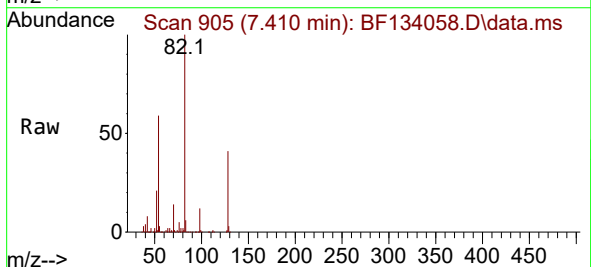
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1

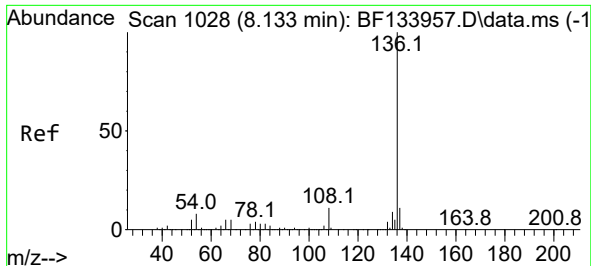
Tgt Ion: 99 Resp: 929233
Ion Ratio Lower Upper
99 100
42 24.8 19.8 29.6
71 41.4 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 19.218 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion: 70 Resp: 100888
Ion Ratio Lower Upper
70 100
42 54.7 54.7 82.1#
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#

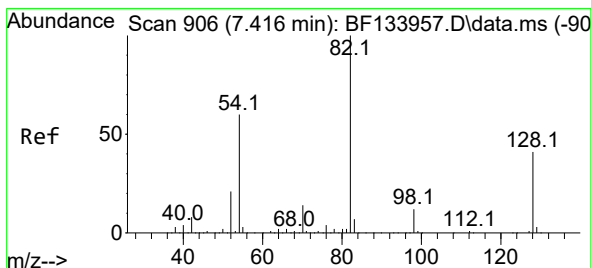
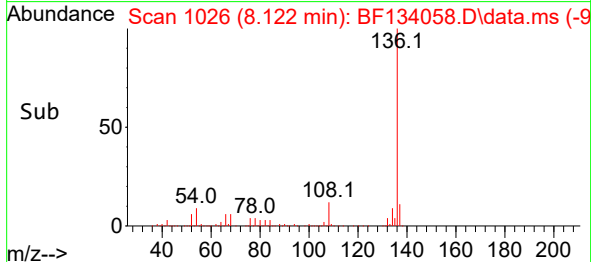
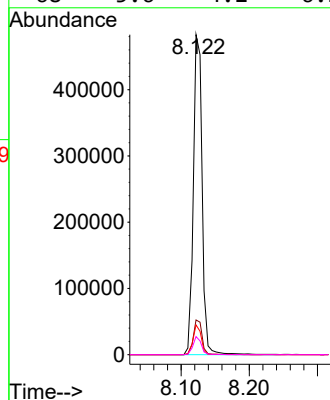
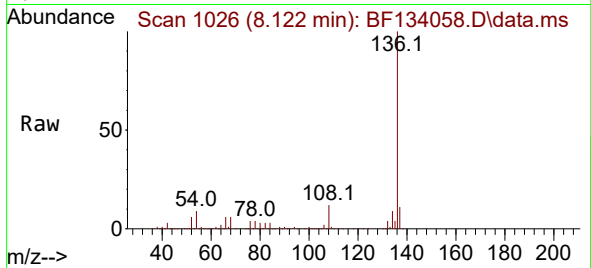




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

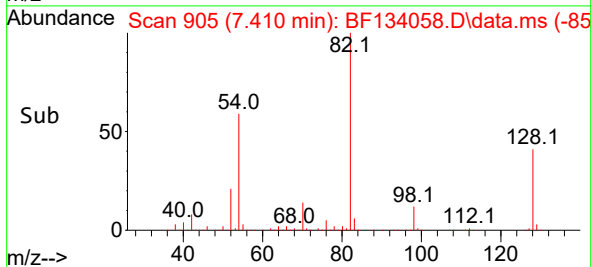
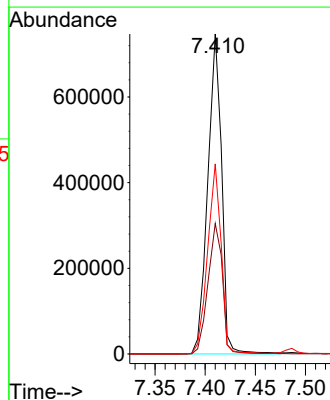
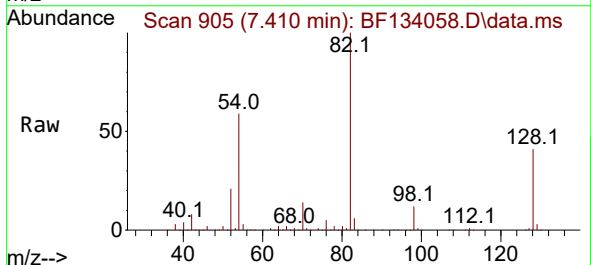
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1

Tgt Ion:136 Resp: 432516
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.3 6.5 9.7
68 5.6 4.2 6.2



#23
Nitrobenzene-d5
Concen: 89.639 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion: 82 Resp: 719230
Ion Ratio Lower Upper
82 100
128 40.7 32.5 48.7
54 59.4 48.2 72.2

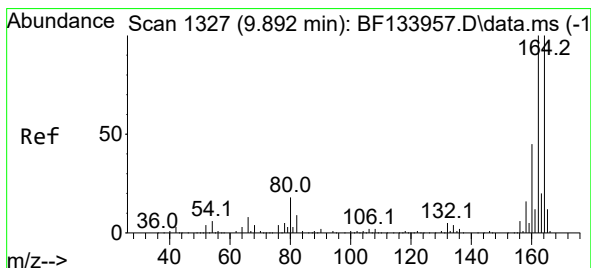
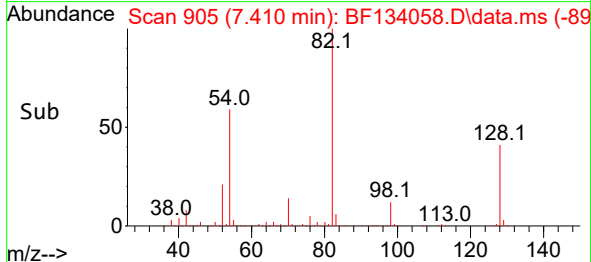
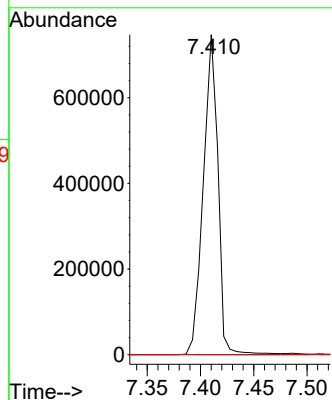
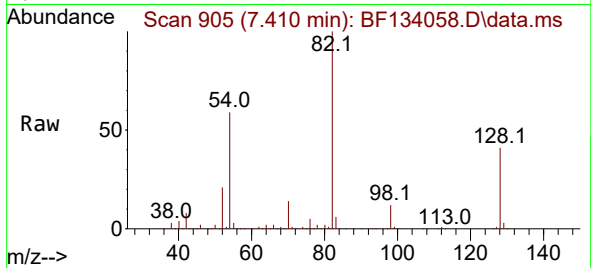




#25
Isophorone
Concen: 49.321 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

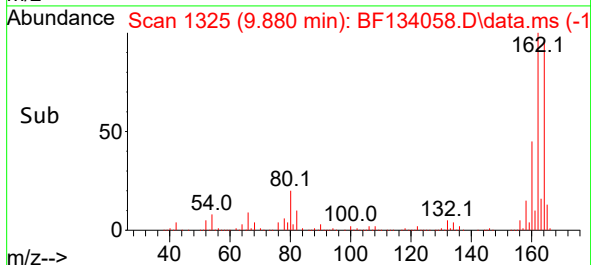
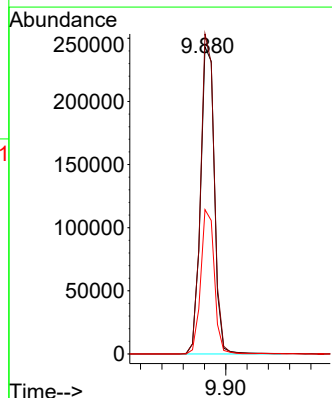
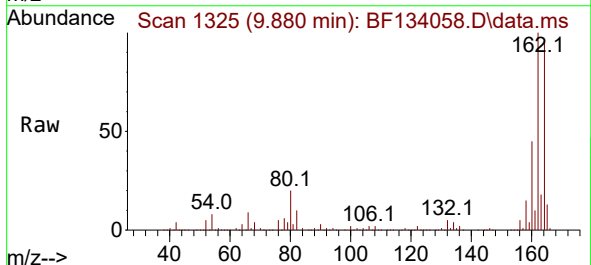
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1

Tgt Ion: 82 Resp: 719222
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion:164 Resp: 220397
Ion Ratio Lower Upper
164 100
162 104.2 80.0 120.0
160 47.0 35.9 53.9

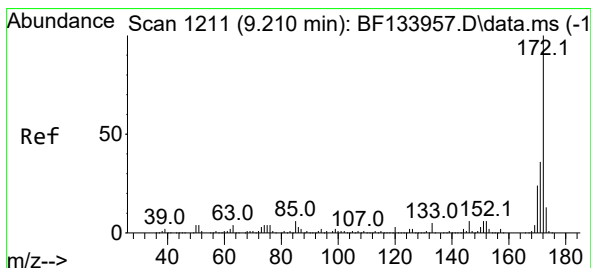
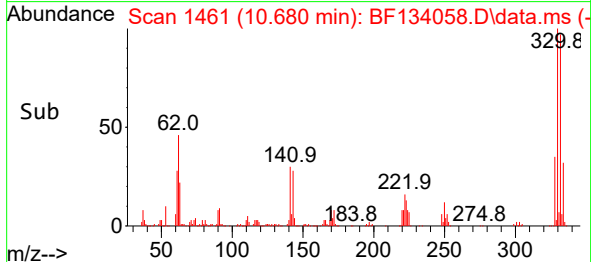
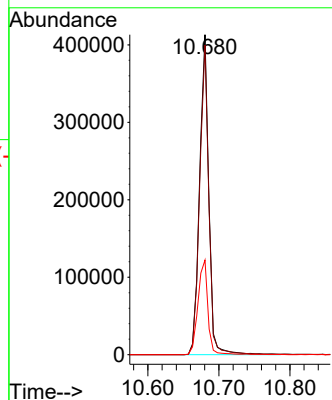
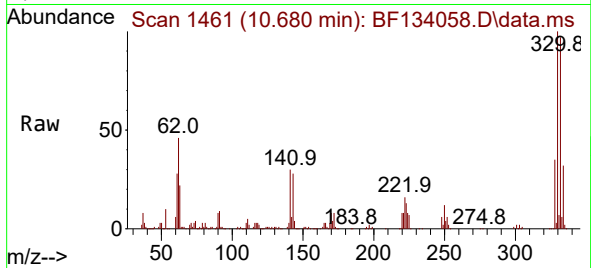




#42
2,4,6-Tribromophenol
Concen: 135.603 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

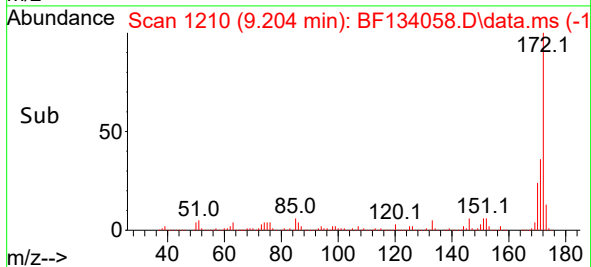
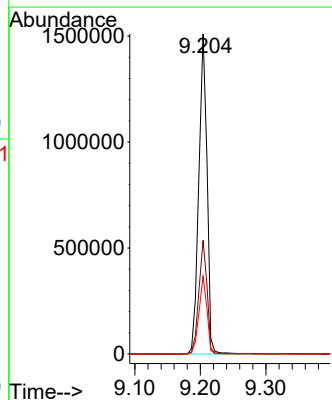
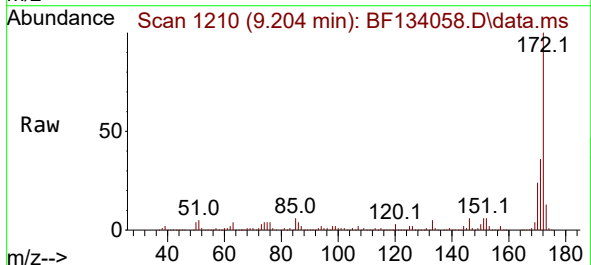
Instrument :
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ClientSampleId :
PNNL-APM-0621-1

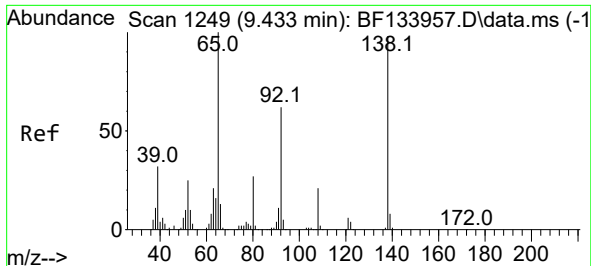
Tgt Ion:330 Resp: 374716
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 31.9 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 87.353 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion:172 Resp: 1324188
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 24.3 19.4 29.0

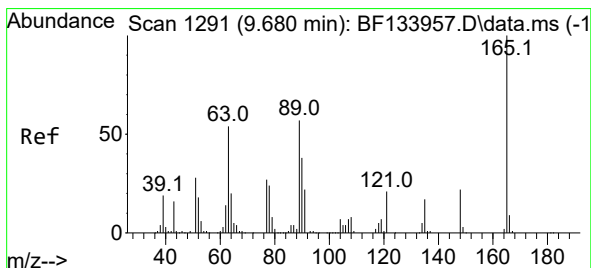
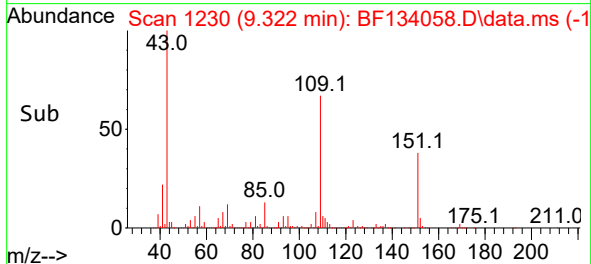
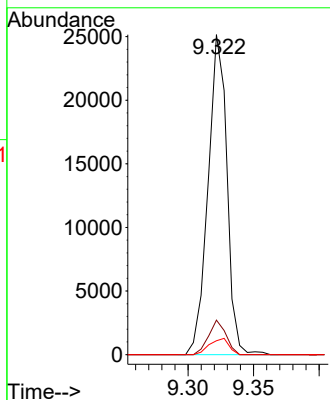
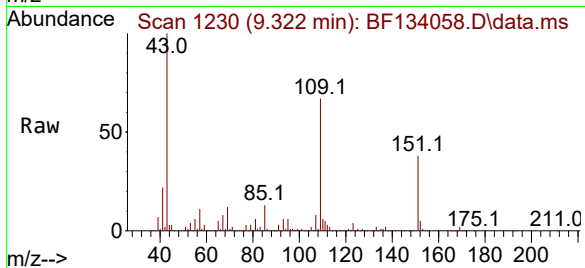




#48
2-Nitroaniline
Concen: 5.350 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.118 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

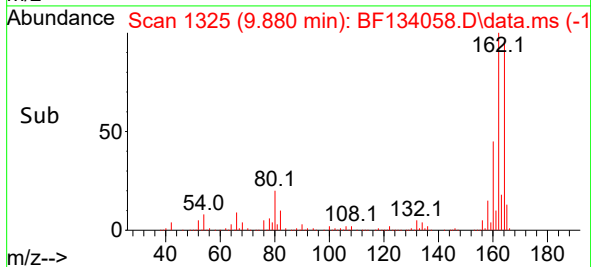
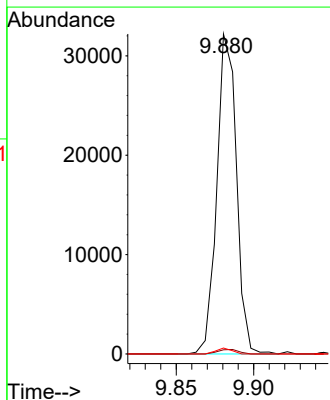
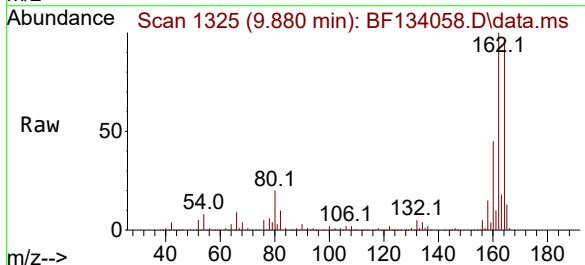
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BNA_F
ClientSampleId :
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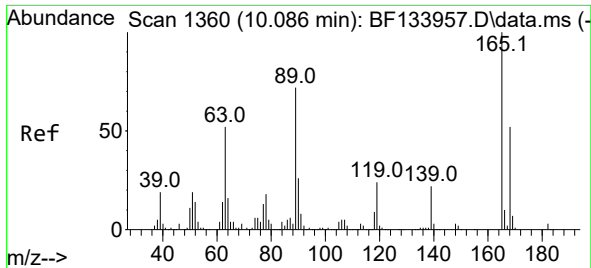
Tgt Ion: 65 Resp: 25221
Ion Ratio Lower Upper
65 100
92 10.8 49.5 74.3#
138 4.3 78.0 117.0#



#51
2,6-Dinitrotoluene
Concen: 8.219 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

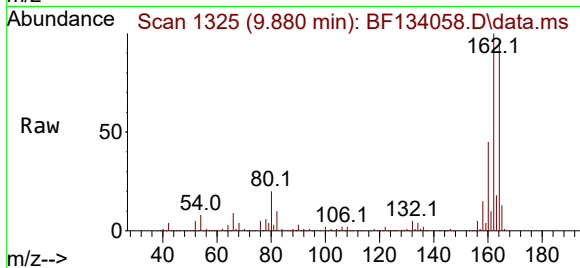
Tgt Ion:165 Resp: 28323
Ion Ratio Lower Upper
165 100
63 1.3 48.5 72.7#
89 1.8 45.5 68.3#



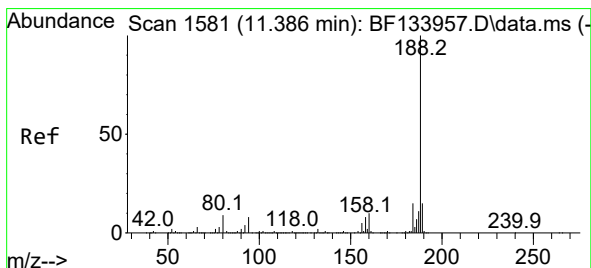
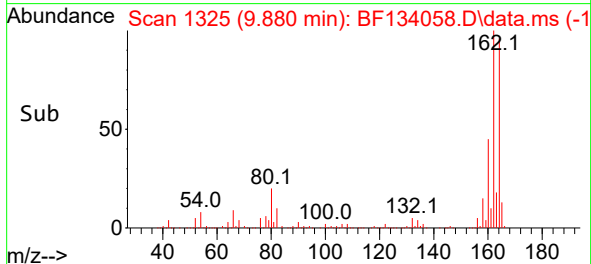
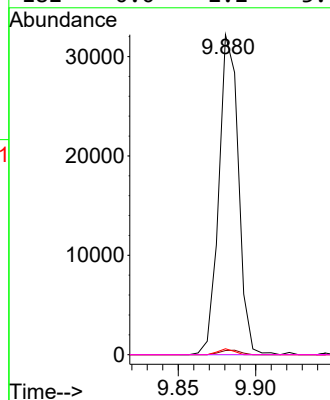


#57
2,4-Dinitrotoluene
Concen: 6.224 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1

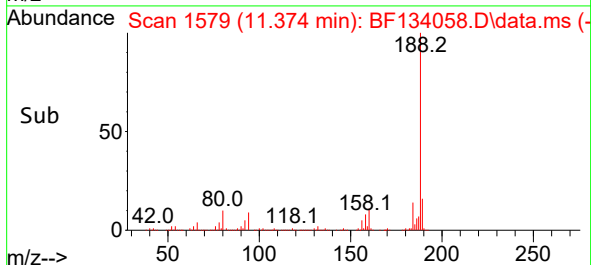
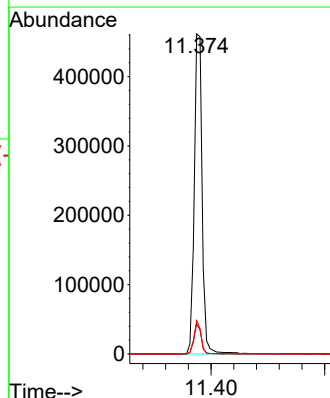
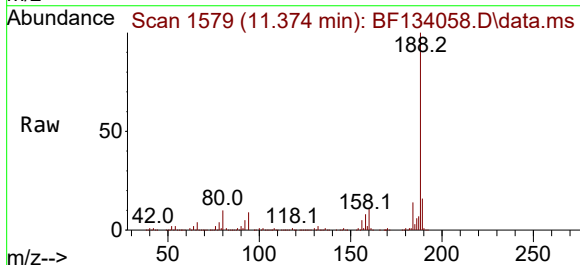


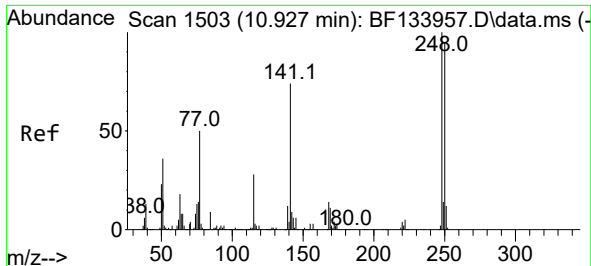
Tgt Ion:165 Resp: 28323
Ion Ratio Lower Upper
165 100
63 1.3 42.2 63.2#
89 1.8 57.4 86.2#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion:188 Resp: 446035
Ion Ratio Lower Upper
188 100
94 9.5 6.4 9.6
80 10.5 7.3 10.9

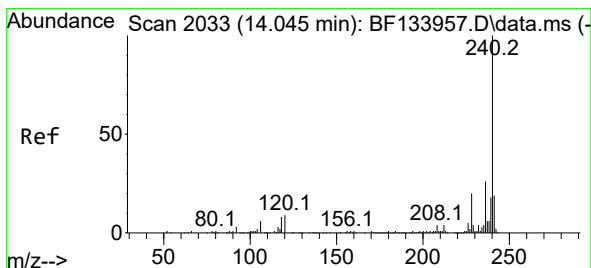
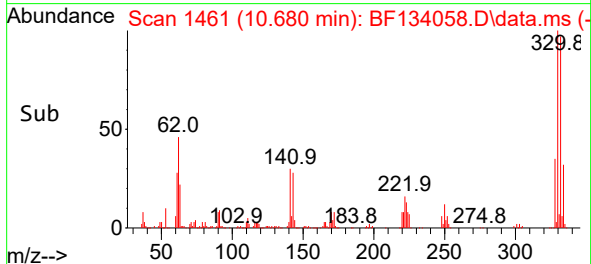
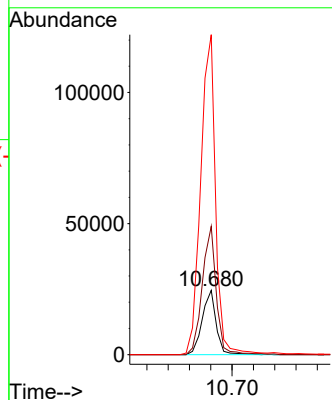
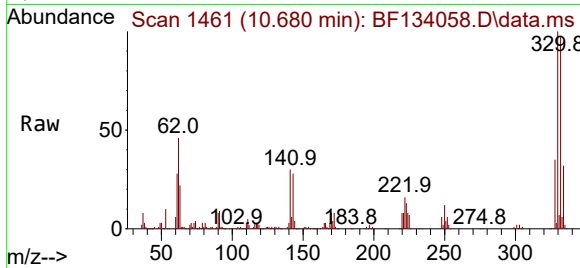




#67
4-Bromophenyl-phenylether
Concen: 4.726 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

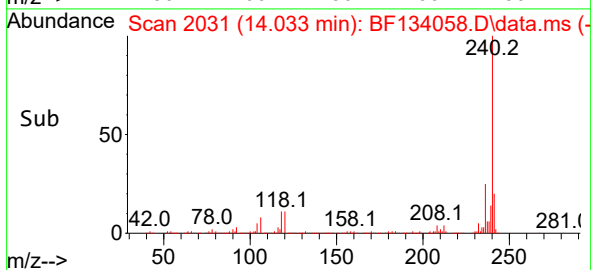
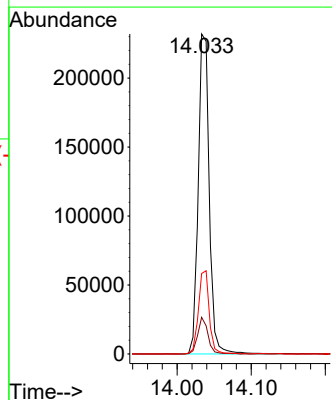
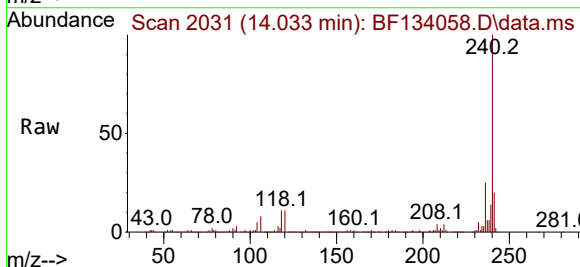
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1

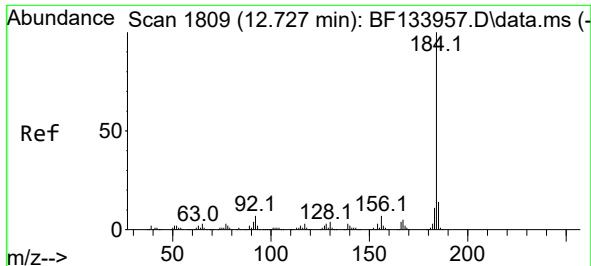
Tgt Ion:248 Resp: 22406
Ion Ratio Lower Upper
248 100
250 199.5 76.2 114.4#
141 497.6 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion:240 Resp: 238671
Ion Ratio Lower Upper
240 100
120 11.4 7.4 11.0#
236 25.1 21.0 31.6

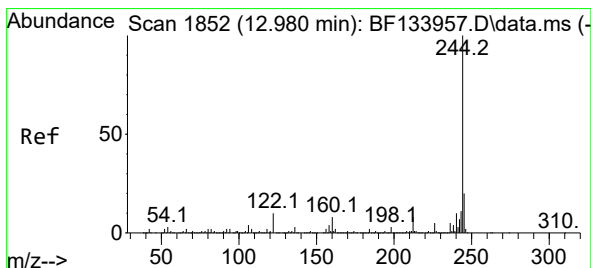
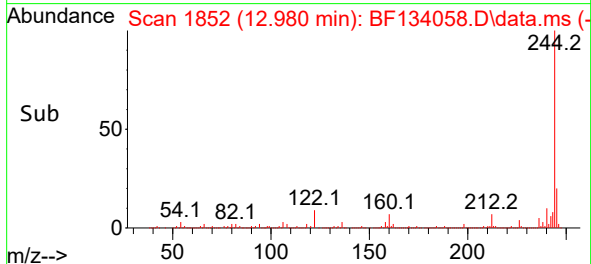
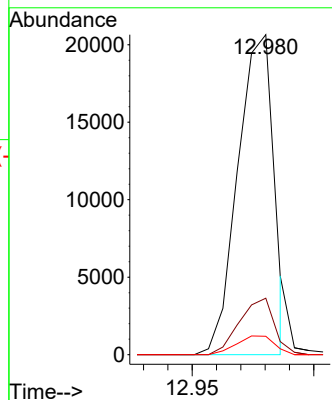
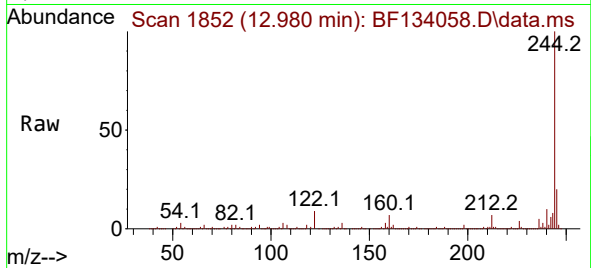




#77
Benzidine
Concen: 3.755 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

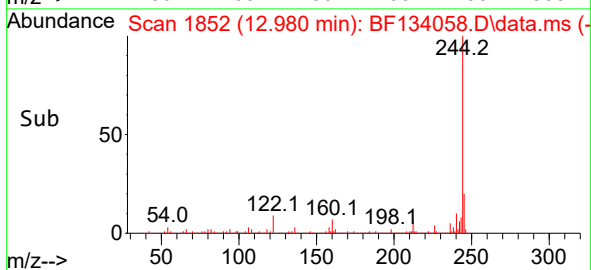
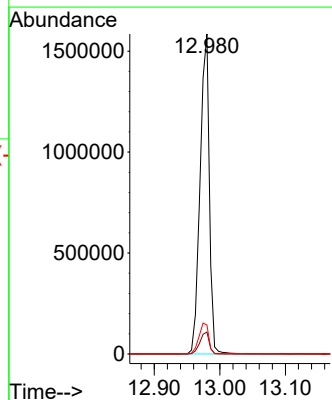
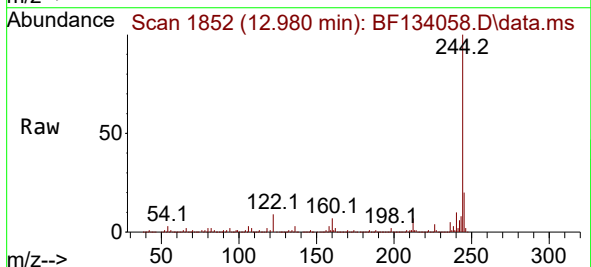
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1

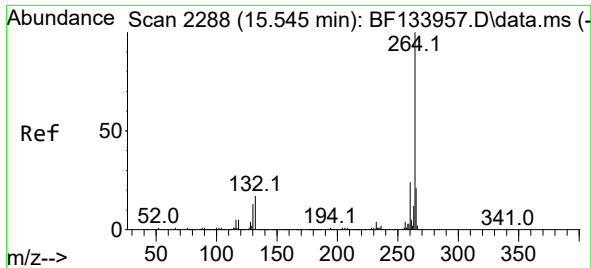
Tgt Ion:184 Resp: 21322
Ion Ratio Lower Upper
184 100
185 17.6 11.6 17.4#
183 5.7 8.8 13.2#



#79
Terphenyl-d14
Concen: 105.091 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF134058.D
Acq: 30 Jun 2023 18:18

Tgt Ion:244 Resp: 1558457
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.0 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134058.D
 Acq: 30 Jun 2023 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1

Tgt Ion:264 Resp: 257171
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.5 29.3
 265 22.0 16.6 25.0

