

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134061.D
 Acq On : 30 Jun 2023 20:05
 Operator : CG\JU
 Sample : 03428-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-2

Quant Time: Jul 01 04:32:11 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)

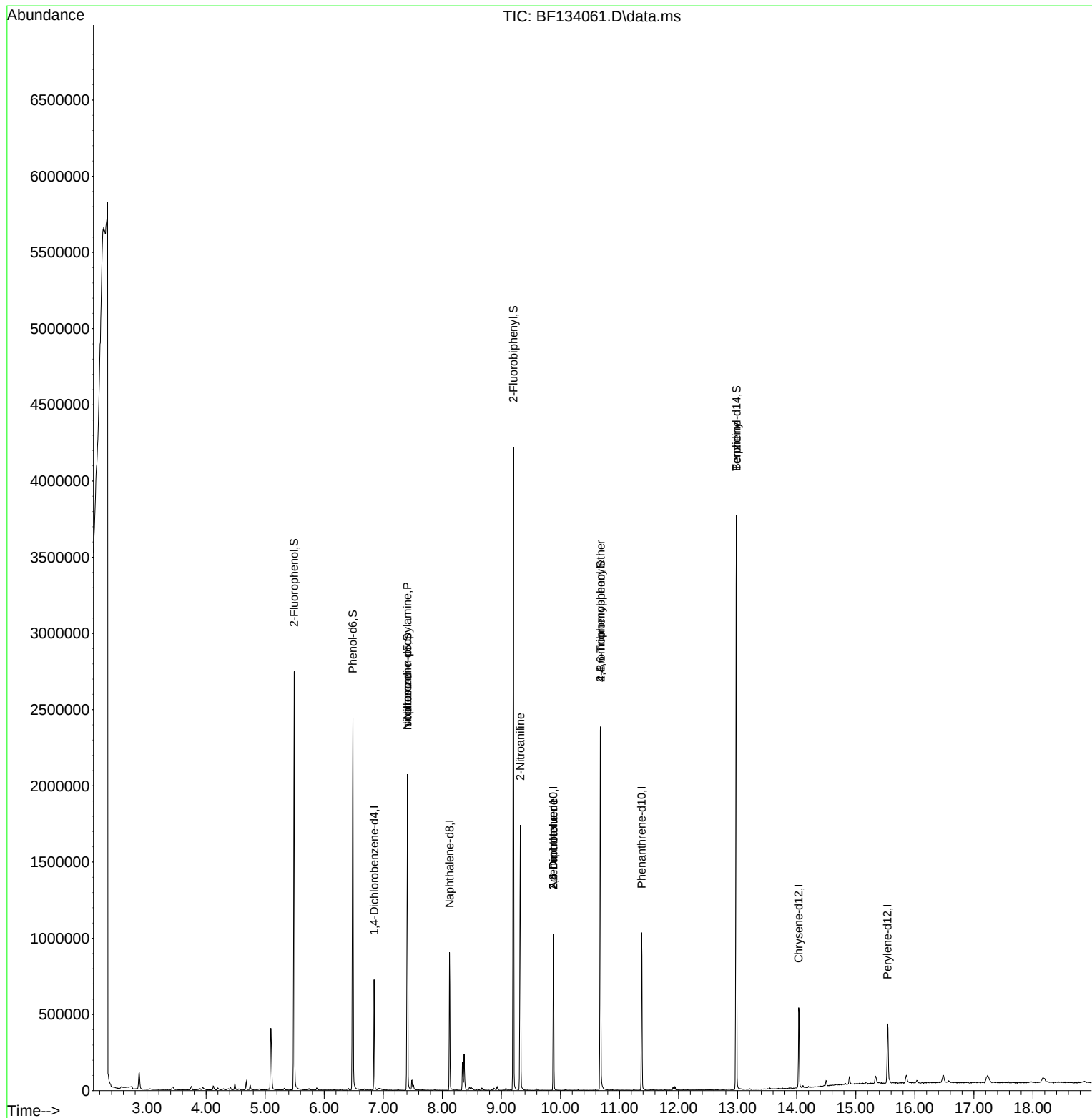
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	95923	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	376563	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	190478	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	389016	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	189028	20.000	ng	#-0.02
86) Perylene-d12	15.539	264	202595	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	692551	120.772	ng	0.00
7) Phenol-d6	6.487	99	780847	110.724	ng	0.00
23) Nitrobenzene-d5	7.410	82	620409	88.812	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	322248	134.933	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1145945	87.468	ng	0.00
79) Terphenyl-d14	12.980	244	1379679	117.468	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.487	77	1442	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	86939	19.440	ng	# 80
25) Isophorone	7.410	82	620401	48.866	ng	# 64
48) 2-Nitroaniline	9.322	65	17985	4.414	ng	# 16
51) 2,6-Dinitrotoluene	9.880	165	24719	8.300	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	24719	6.285	ng	# 22
67) 4-Bromophenyl-phenylether	10.680	248	19669	4.757	ng	# 1
77) Benzidine	12.980	184	19424	4.319	ng	# 94

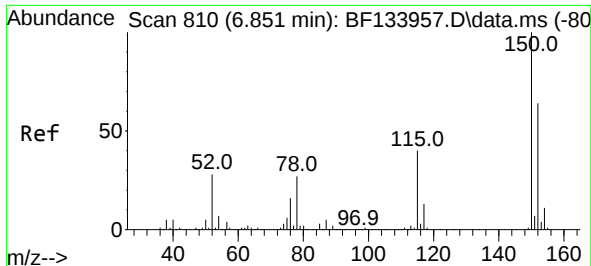
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
Data File : BF134061.D
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PNNL-APM-0621-2

Quant Time: Jul 01 04:32:11 2023
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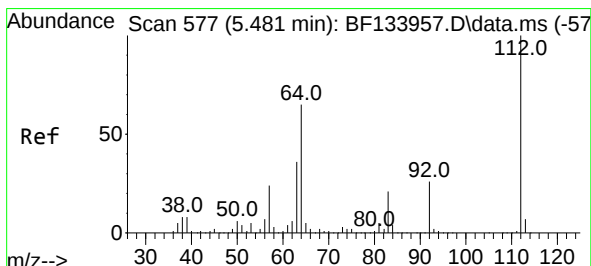
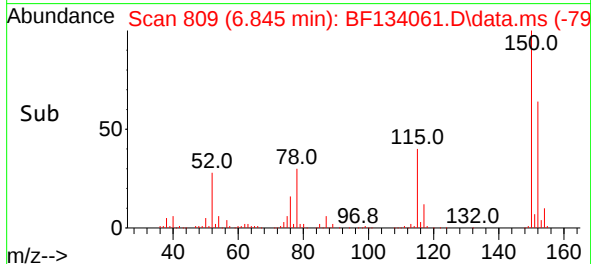
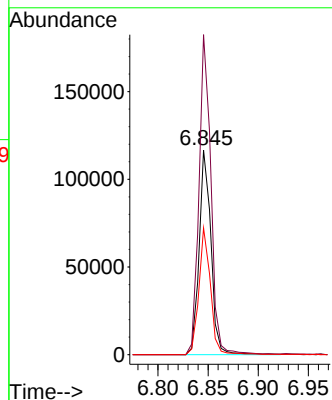
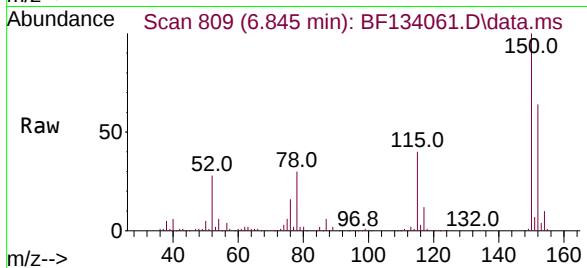




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

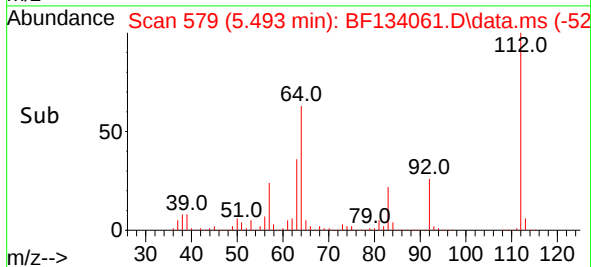
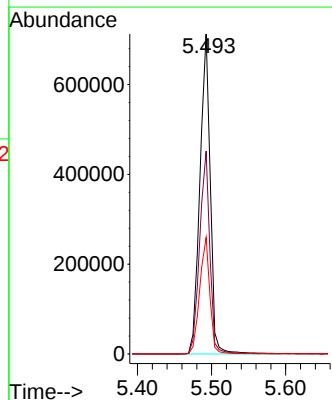
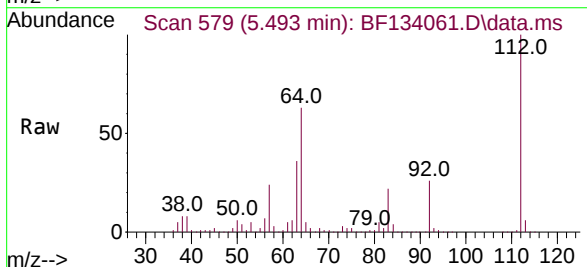
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-2

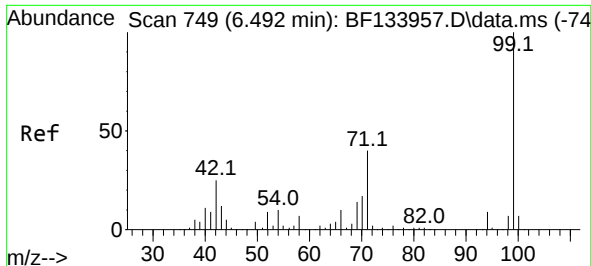
Tgt Ion:152 Resp: 95923
Ion Ratio Lower Upper
152 100
150 156.4 124.5 186.7
115 61.9 50.2 75.2



#5
2-Fluorophenol
Concen: 120.772 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

Tgt Ion:112 Resp: 692551
Ion Ratio Lower Upper
112 100
64 63.4 52.1 78.1
63 36.4 28.6 42.8

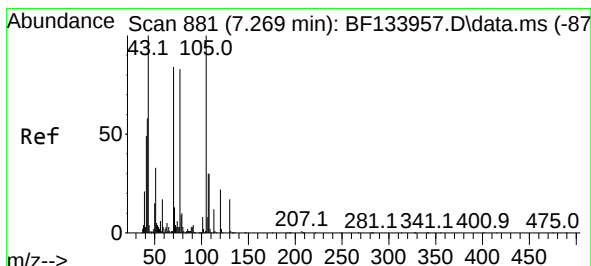
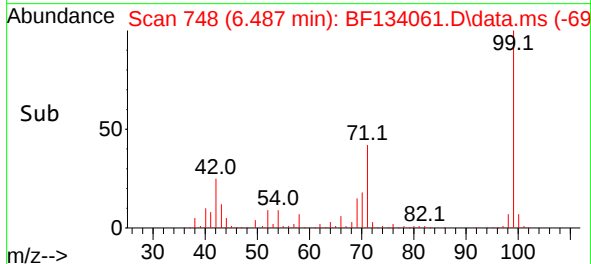
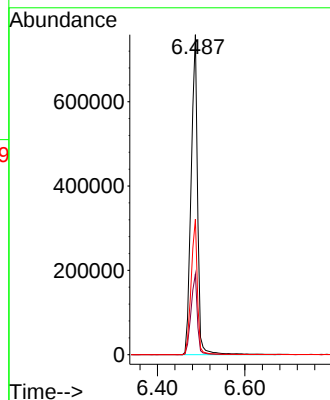
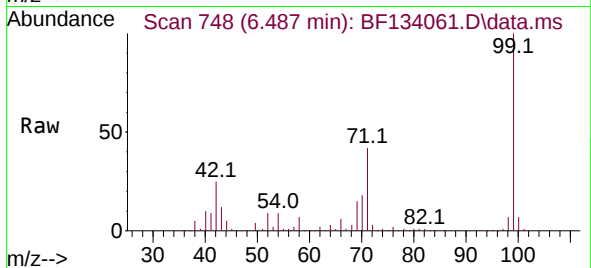




#7
Phenol-d6
Concen: 110.724 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

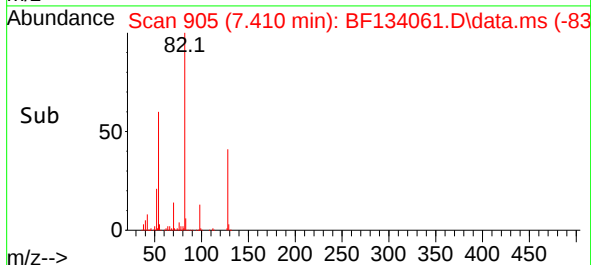
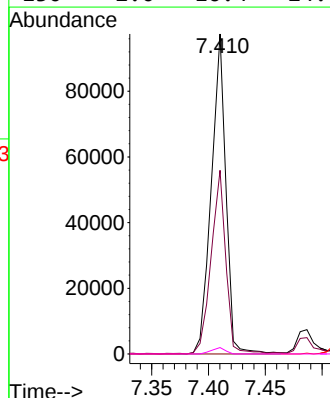
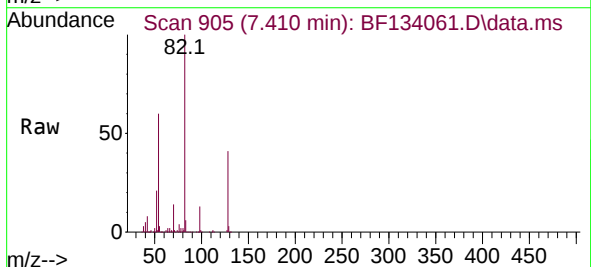
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-2

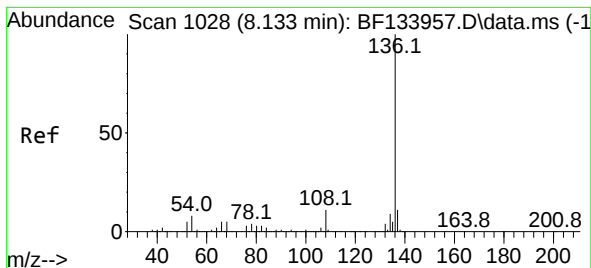
Tgt Ion: 99 Resp: 780847
Ion Ratio Lower Upper
99 100
42 25.2 19.8 29.6
71 42.4 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 19.440 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

Tgt Ion: 70 Resp: 86939
Ion Ratio Lower Upper
70 100
42 57.4 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# 1

Delta R.T. -0.012 min

Lab File: BF134061.D

Acq: 30 Jun 2023 20:05

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-2

Tgt Ion:136 Resp: 376563

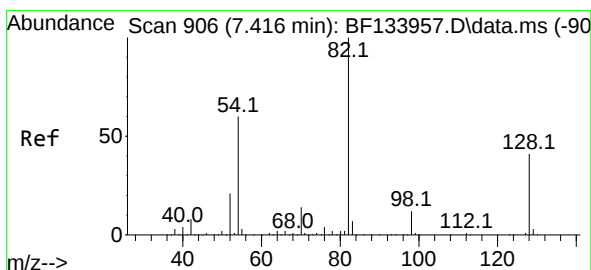
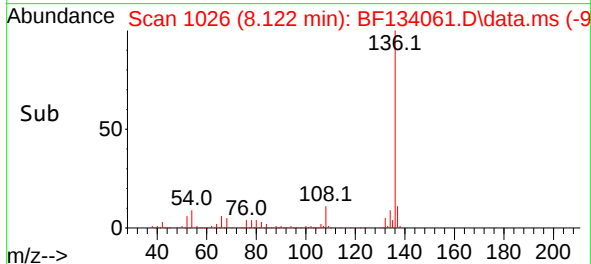
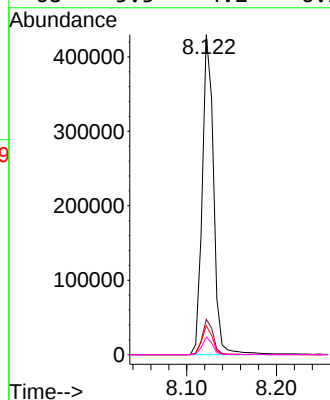
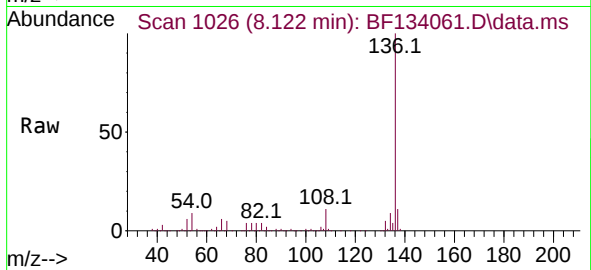
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 9.0 6.5 9.7

68 5.5 4.2 6.2



#23

Nitrobenzene-d5

Concen: 88.812 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF134061.D

Acq: 30 Jun 2023 20:05

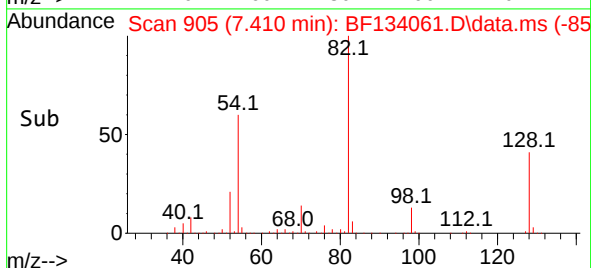
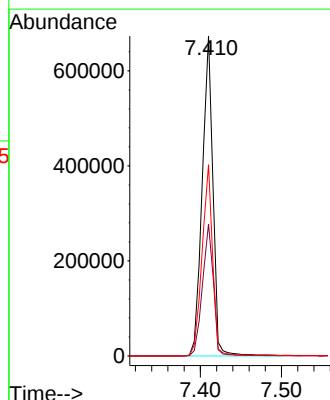
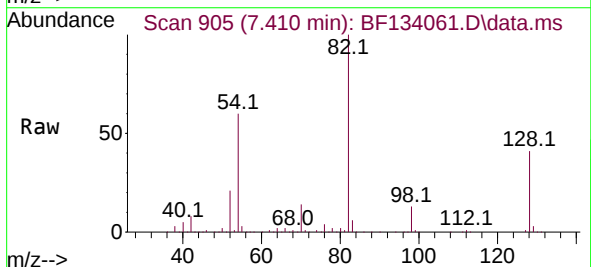
Tgt Ion: 82 Resp: 620409

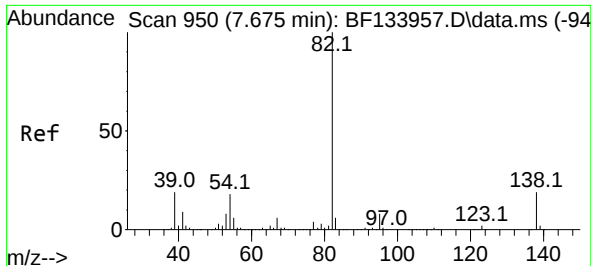
Ion Ratio Lower Upper

82 100

128 41.3 32.5 48.7

54 59.7 48.2 72.2

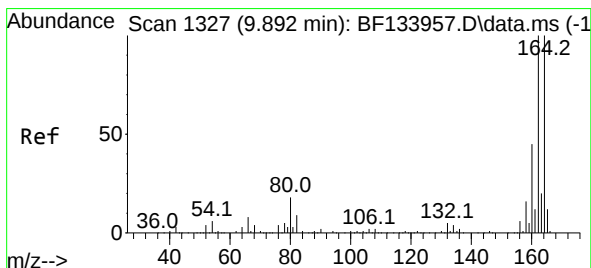
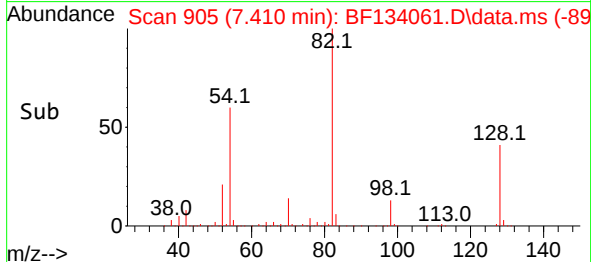
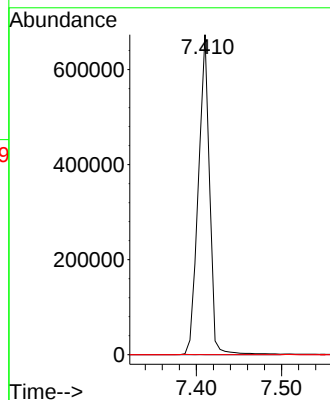
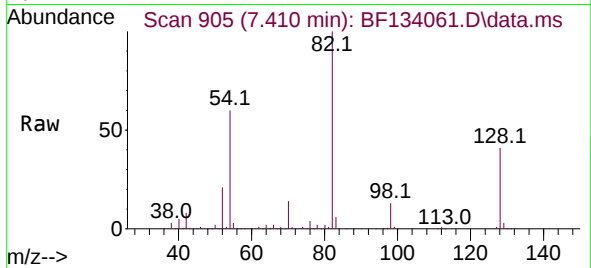




#25
Isophorone
Concen: 48.866 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

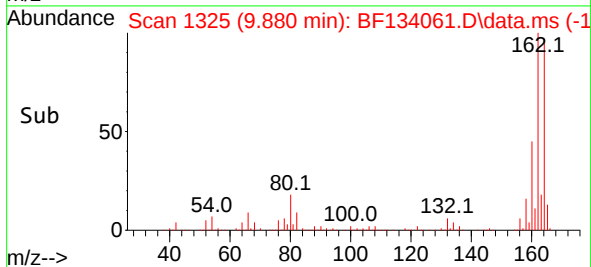
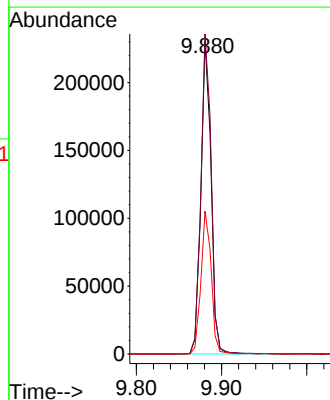
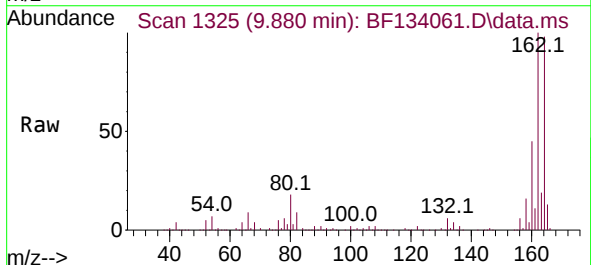
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-2

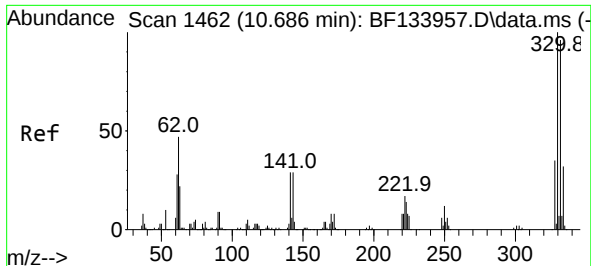
Tgt Ion: 82 Resp: 620401
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

Tgt Ion:164 Resp: 190478
Ion Ratio Lower Upper
164 100
162 102.4 80.0 120.0
160 45.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 134.933 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF134061.D

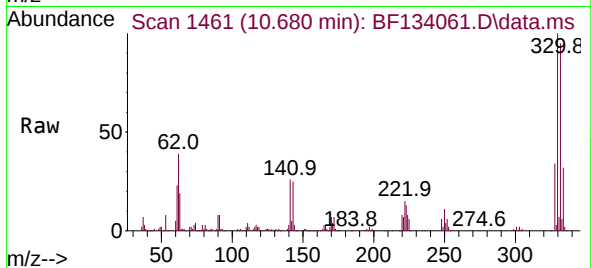
Acq: 30 Jun 2023 20:05

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-2



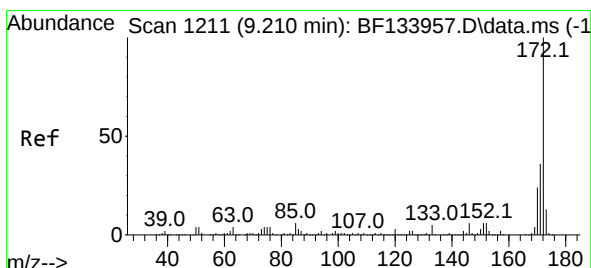
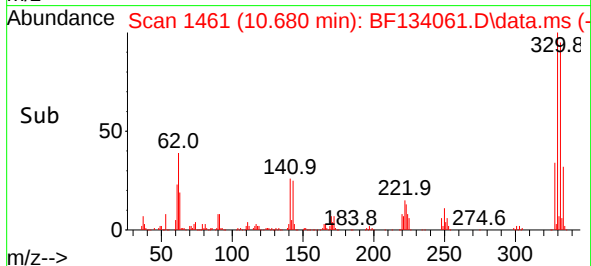
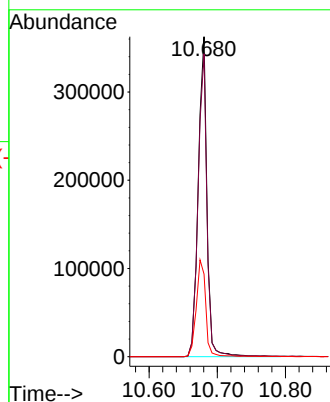
Tgt Ion:330 Resp: 322248

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 32.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 87.468 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134061.D

Acq: 30 Jun 2023 20:05

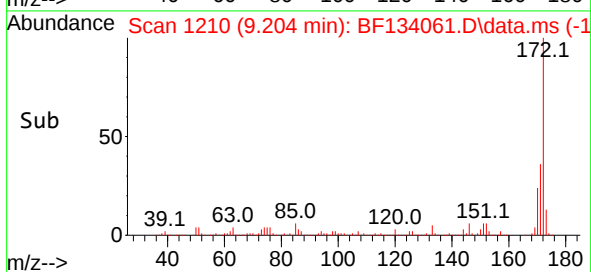
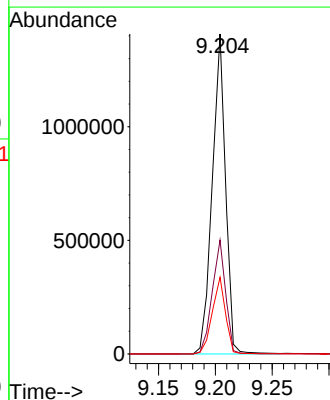
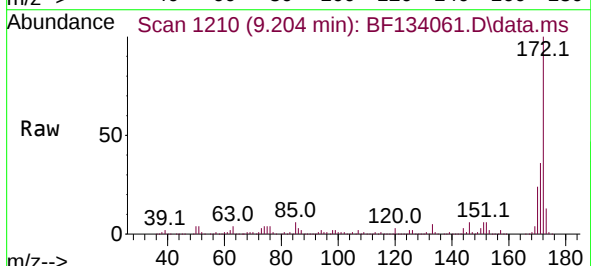
Tgt Ion:172 Resp: 1145945

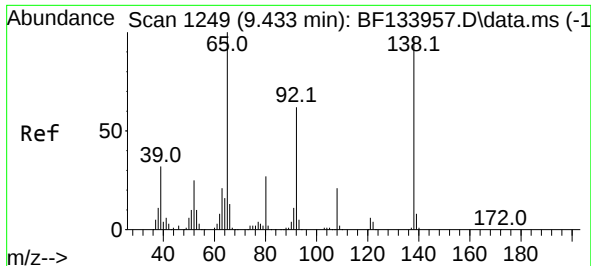
Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 24.0 19.4 29.0





#48

2-Nitroaniline

Concen: 4.414 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.118 min

Lab File: BF134061.D

Acq: 30 Jun 2023 20:05

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-2

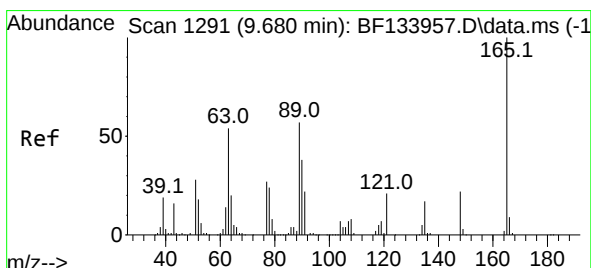
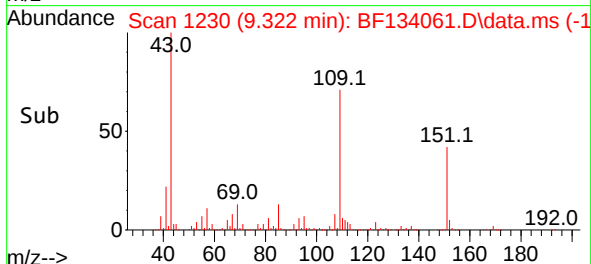
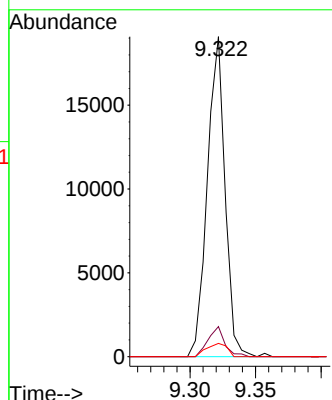
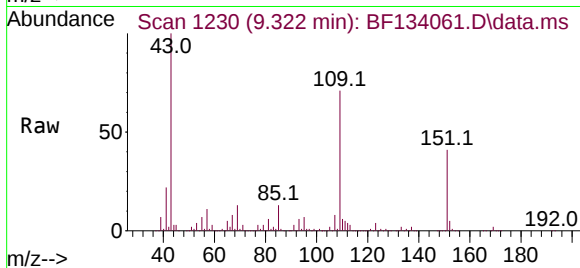
Tgt Ion: 65 Resp: 17985

Ion Ratio Lower Upper

65 100

92 9.4 49.5 74.3#

138 4.2 78.0 117.0#



#51

2,6-Dinitrotoluene

Concen: 8.300 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.200 min

Lab File: BF134061.D

Acq: 30 Jun 2023 20:05

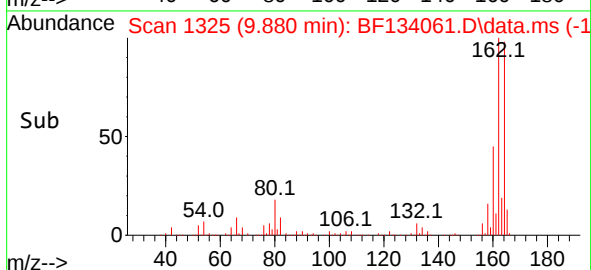
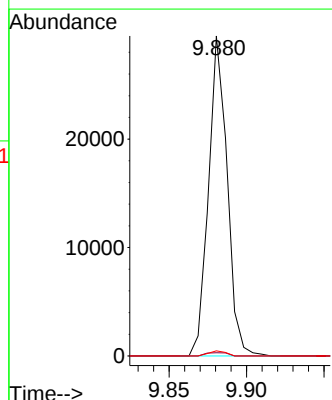
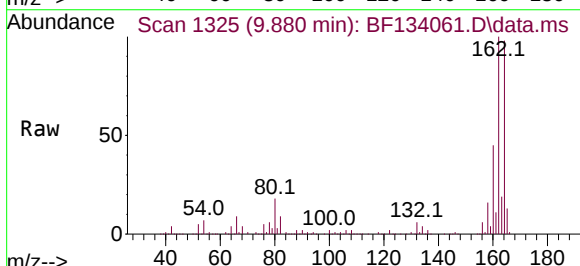
Tgt Ion: 165 Resp: 24719

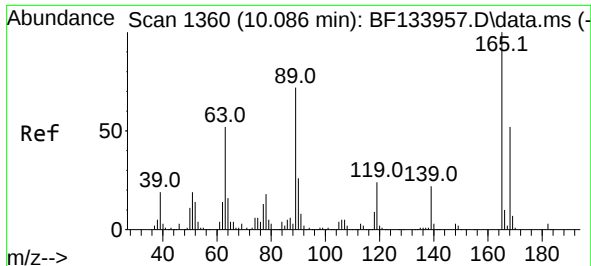
Ion Ratio Lower Upper

165 100

63 1.0 48.5 72.7#

89 1.6 45.5 68.3#

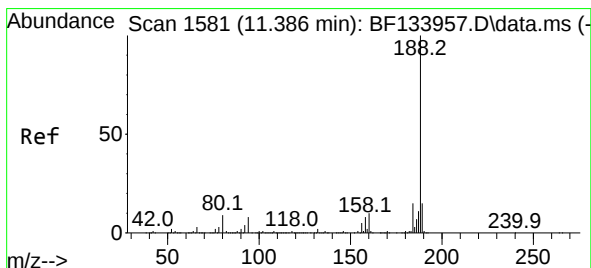
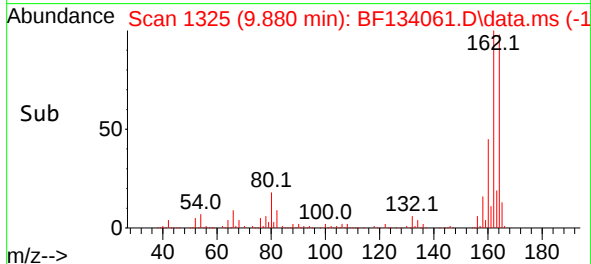
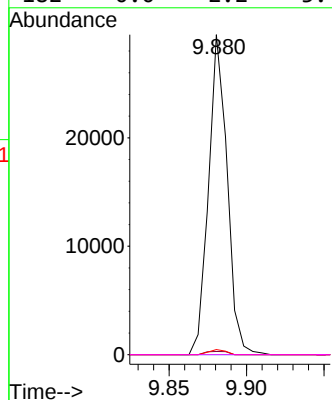
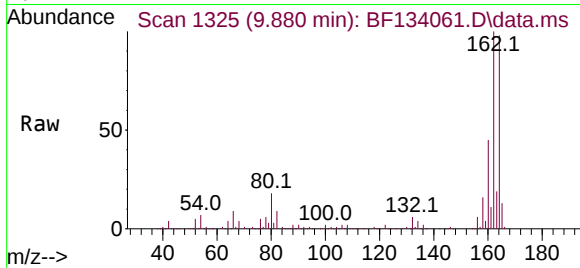




#57
2,4-Dinitrotoluene
Concen: 6.285 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

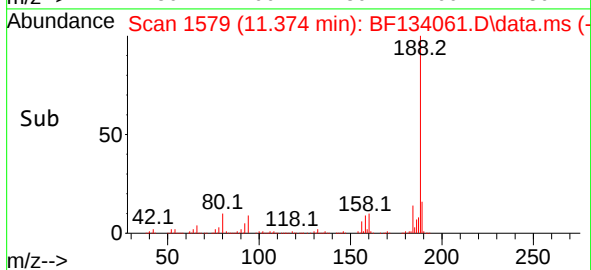
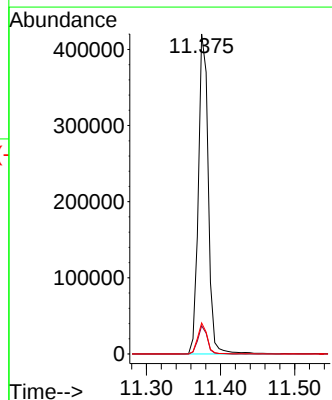
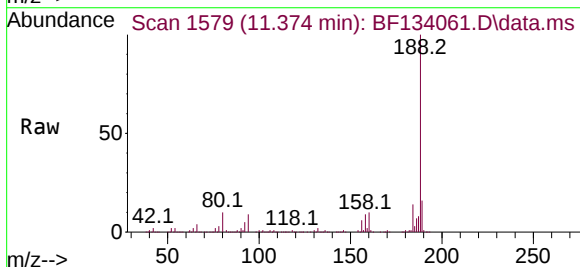
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-2

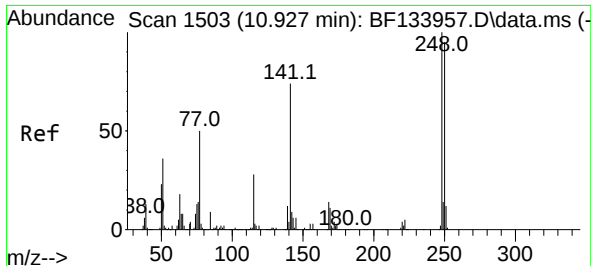
Tgt Ion:165 Resp: 24719
Ion Ratio Lower Upper
165 100
63 1.0 42.2 63.2#
89 1.6 57.4 86.2#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

Tgt Ion:188 Resp: 389016
Ion Ratio Lower Upper
188 100
94 8.8 6.4 9.6
80 9.7 7.3 10.9

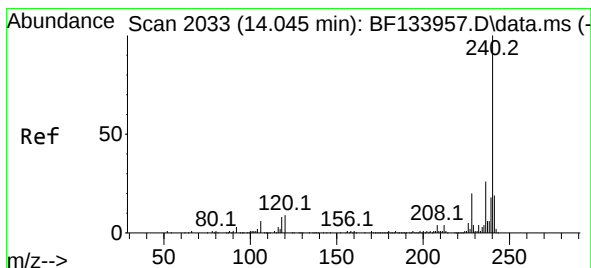
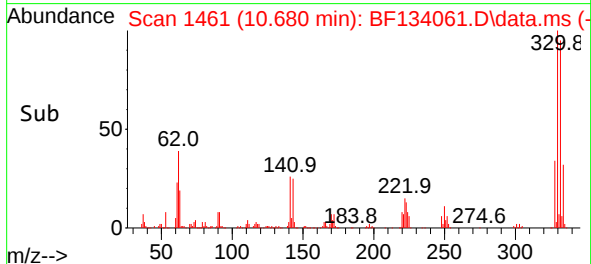
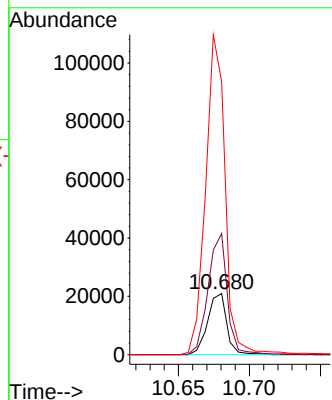
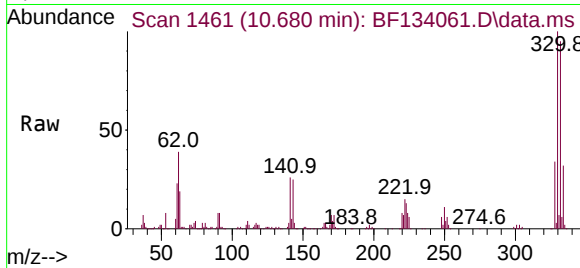




#67
4-Bromophenyl-phenylether
Concen: 4.757 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

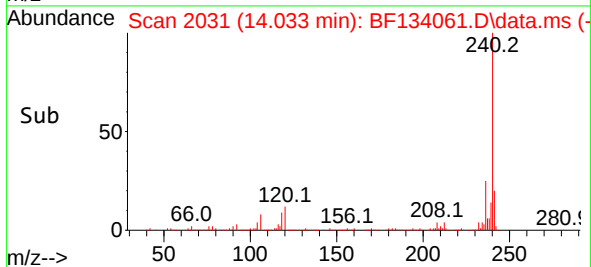
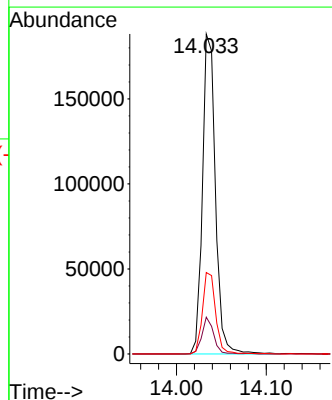
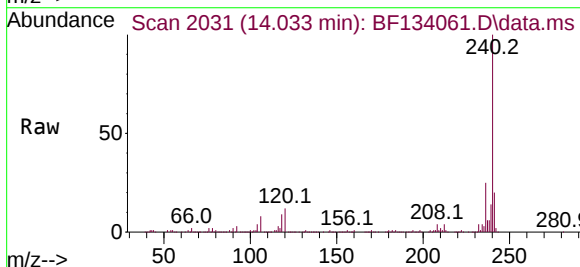
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-2

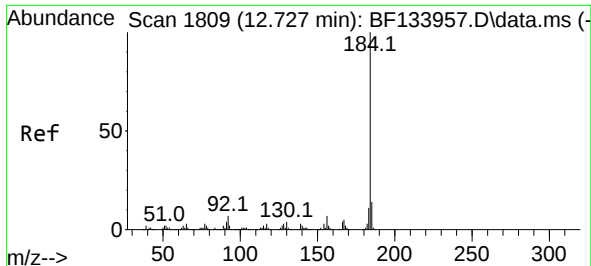
Tgt Ion:248 Resp: 19669
Ion Ratio Lower Upper
248 100
250 198.3 76.2 114.4#
141 446.7 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

Tgt Ion:240 Resp: 189028
Ion Ratio Lower Upper
240 100
120 11.5 7.4 11.0#
236 25.4 21.0 31.6

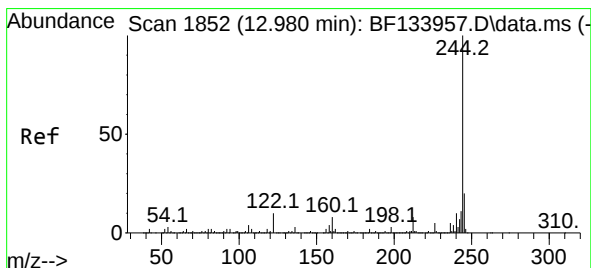
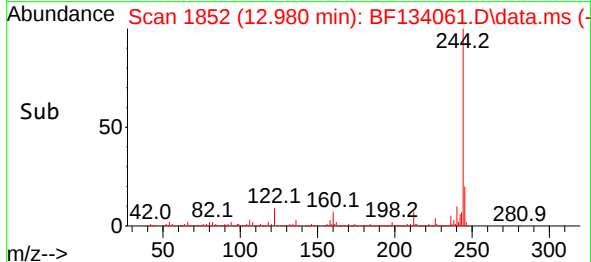
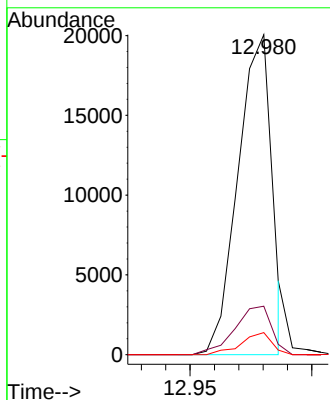
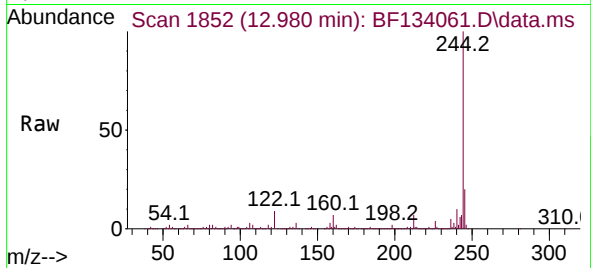




#77
Benzidine
Concen: 4.319 ng
RT: 12.980 min Scan# 1809
Delta R.T. 0.253 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

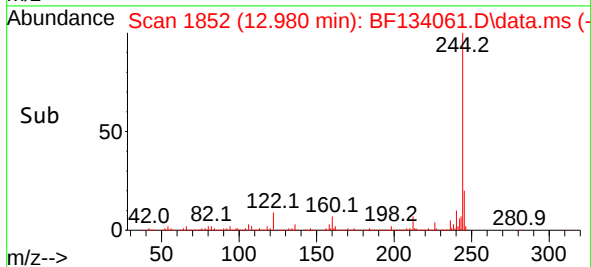
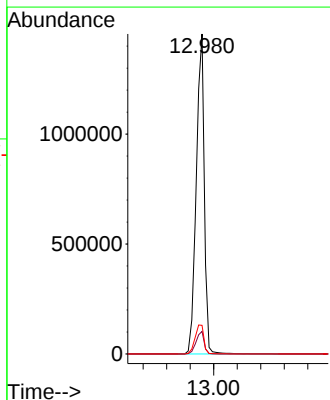
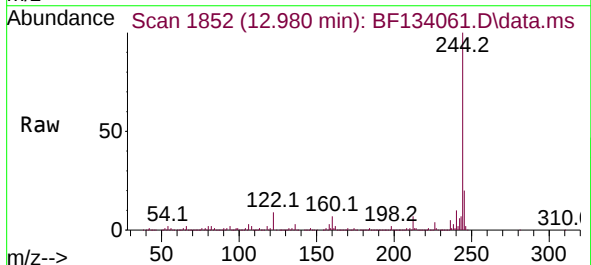
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-2

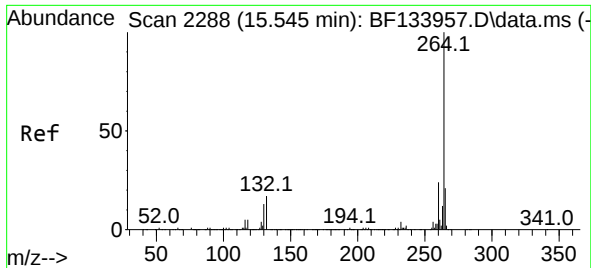
Tgt Ion:184 Resp: 19424
Ion Ratio Lower Upper
184 100
185 15.1 11.6 17.4
183 6.9 8.8 13.2#



#79
Terphenyl-d14
Concen: 117.468 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF134061.D
Acq: 30 Jun 2023 20:05

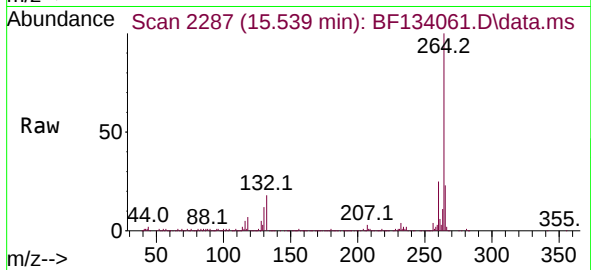
Tgt Ion:244 Resp: 1379679
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 8.9 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134061.D
 Acq: 30 Jun 2023 20:05

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-2



Tgt Ion:264 Resp: 202595
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 22.5 16.6 25.0

