

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081523\
 Data File : BG058737.D
 Acq On : 15 Aug 2023 18:26
 Operator : MA/JU
 Sample : 03985-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PNNL-APM2-0811-2

Quant Time: Aug 16 04:51:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

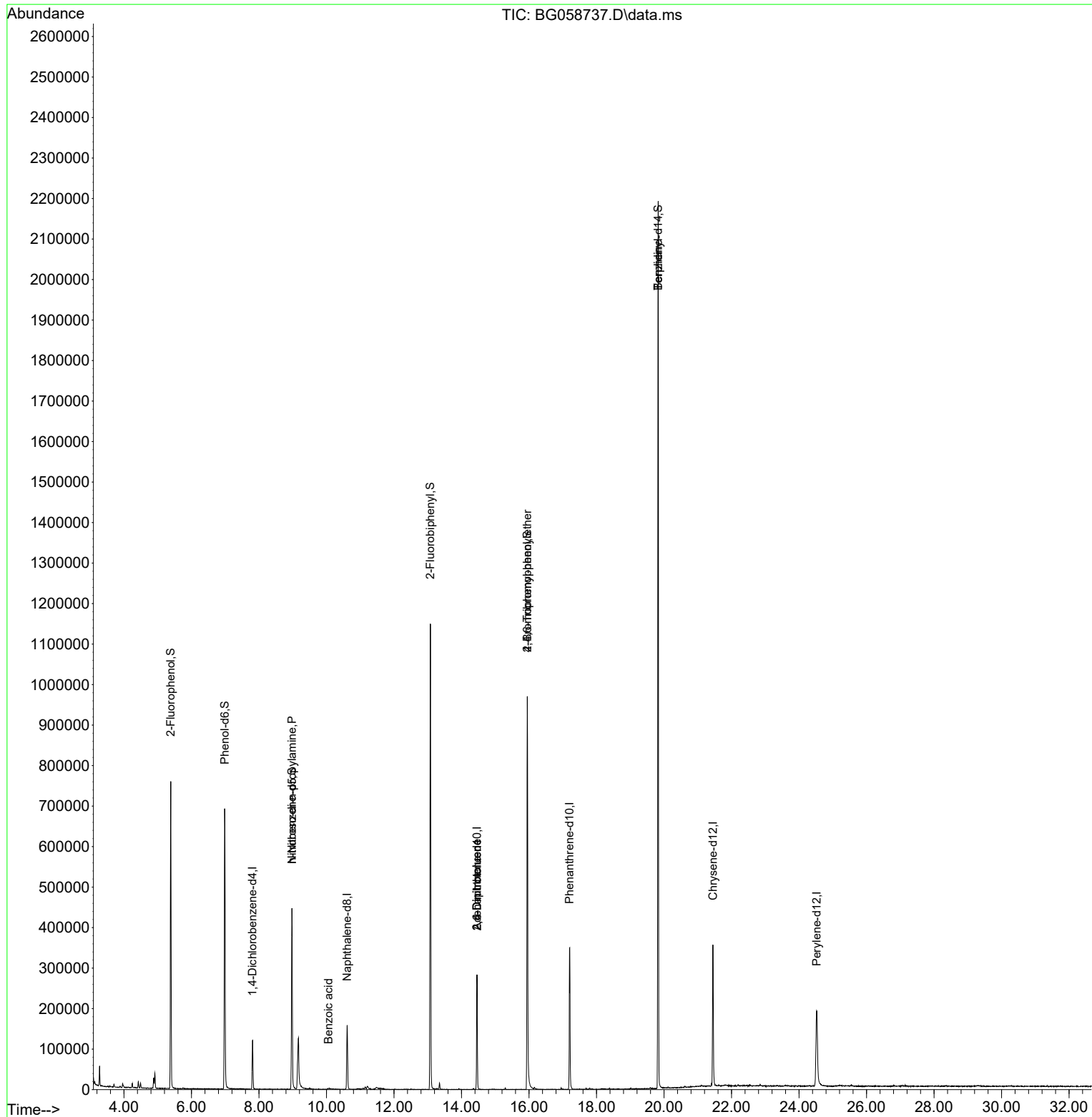
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	33009	20.000	ng	0.00
21) Naphthalene-d8	10.607	136	140837	20.000	ng	0.00
39) Acenaphthene-d10	14.456	164	104477	20.000	ng	0.00
64) Phenanthrene-d10	17.200	188	252281	20.000	ng	0.00
76) Chrysene-d12	21.448	240	218287	20.000	ng	0.00
86) Perylene-d12	24.520	264	258313	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	296254	137.178	ng	0.00
7) Phenol-d6	6.982	99	395014	131.448	ng	0.00
23) Nitrobenzene-d5	8.974	82	270136	94.226	ng	0.00
42) 2,4,6-Tribromophenol	15.948	330	225416	131.633	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	639307	91.701	ng	0.00
79) Terphenyl-d14	19.826	244	1171422	100.917	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.974	70	34940	18.000	ng	Qvalue
32) Benzoic acid	10.055	122	800	5.013	ng	# 85
51) 2,6-Dinitrotoluene	14.456	165	13334	7.745	ng	# 74
57) 2,4-Dinitrotoluene	14.456	165	13334	5.586	ng	# 24
67) 4-Bromophenyl-phenylether	15.948	248	14414	5.037	ng	# 24
77) Benzidine	19.826	184	16295	4.923	ng	# 1

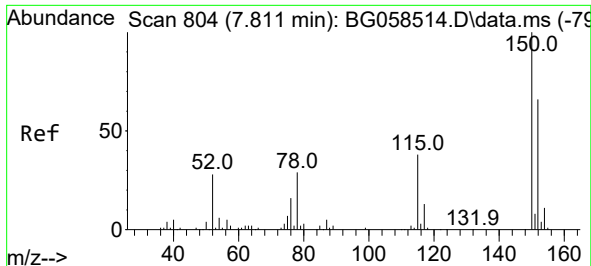
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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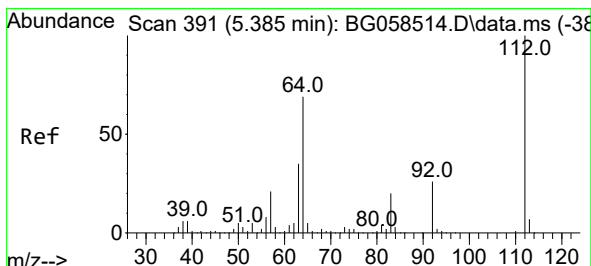
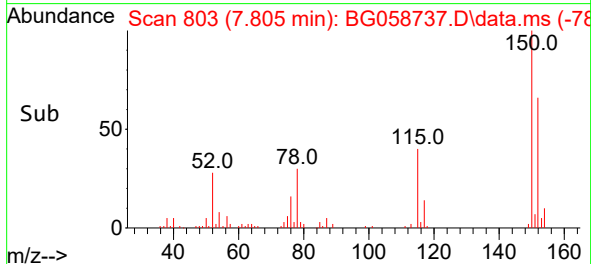
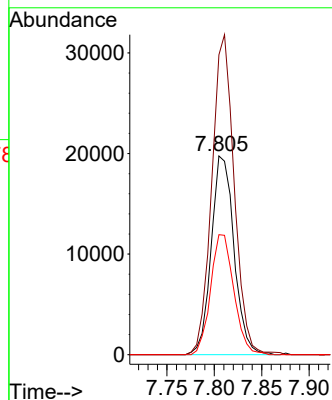
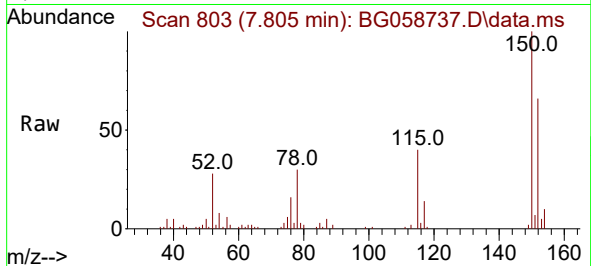




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 804
Delta R.T. -0.006 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

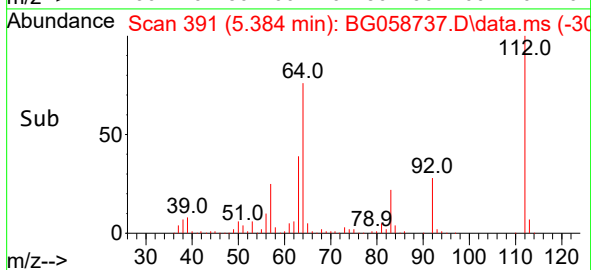
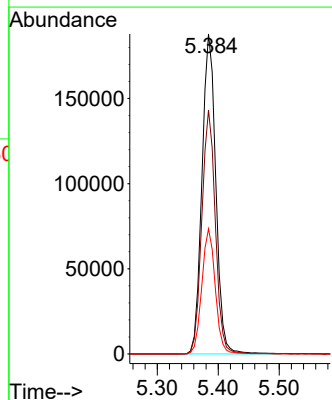
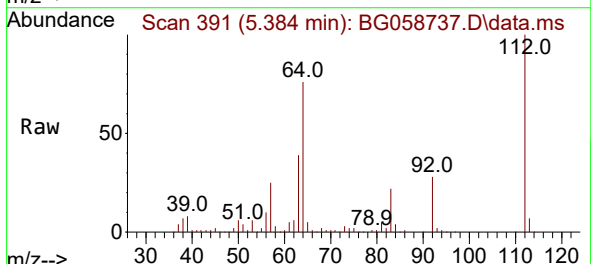
Instrument :
BNA_G
ClientSampleId :
PNNL-APM2-0811-2

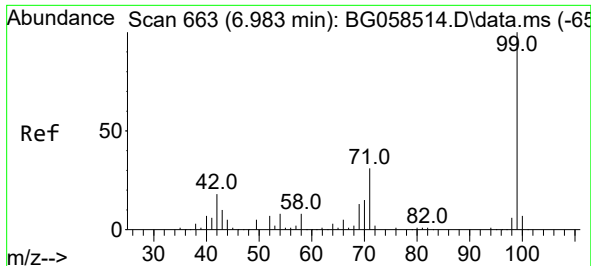
Tgt Ion:152 Resp: 33009
Ion Ratio Lower Upper
152 100
150 151.0 120.5 180.7
115 60.4 45.9 68.9



#5
2-Fluorophenol
Concen: 137.178 ng
RT: 5.384 min Scan# 391
Delta R.T. -0.001 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

Tgt Ion:112 Resp: 296254
Ion Ratio Lower Upper
112 100
64 76.3 55.3 82.9
63 39.1 28.3 42.5

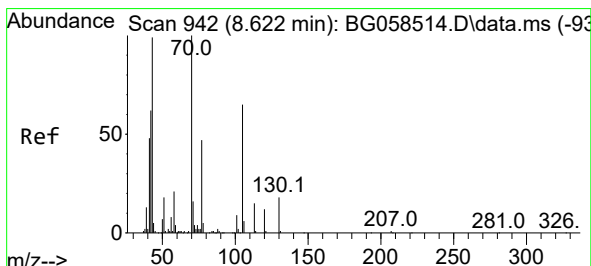
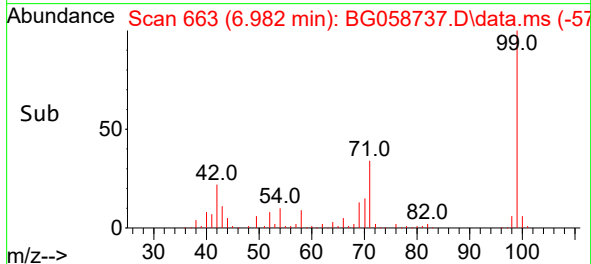
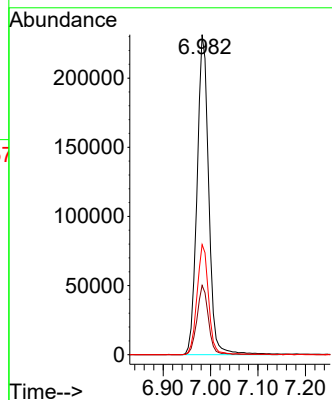
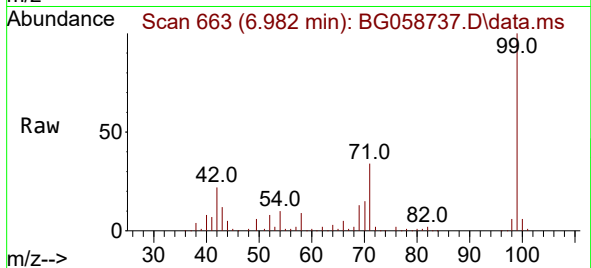




#7
Phenol-d6
Concen: 131.448 ng
RT: 6.982 min Scan# 60
Delta R.T. -0.001 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

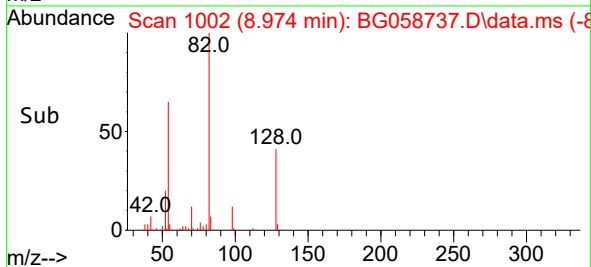
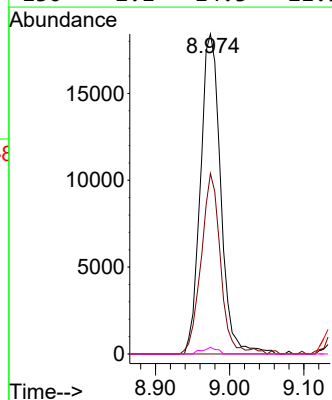
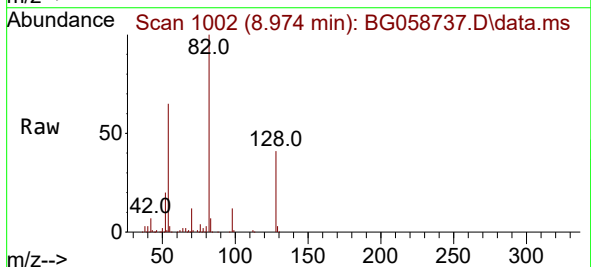
Instrument :
BNA_G
ClientSampleId :
PNNL-APM2-0811-2

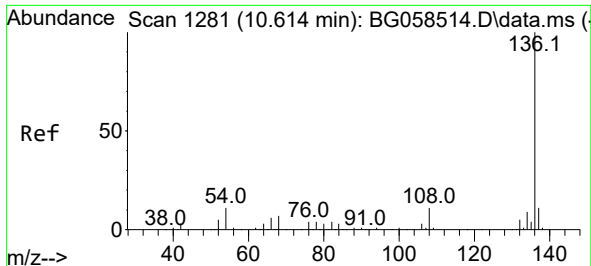
Tgt Ion: 99 Resp: 395014
Ion Ratio Lower Upper
99 100
42 21.7 14.6 21.8
71 34.4 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.000 ng
RT: 8.974 min Scan# 1002
Delta R.T. 0.352 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

Tgt Ion: 70 Resp: 34940
Ion Ratio Lower Upper
70 100
42 56.4 49.7 74.5
101 0.0 7.0 10.4#
130 2.1 14.3 21.5#

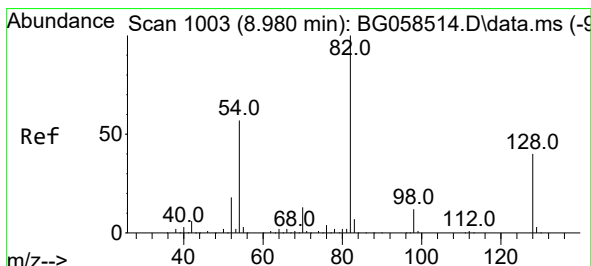
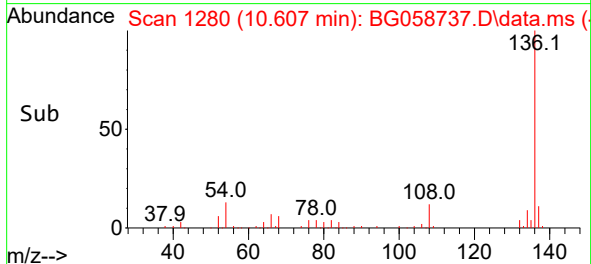
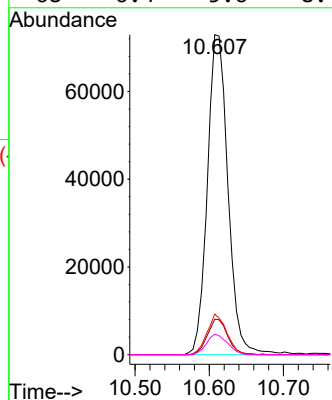
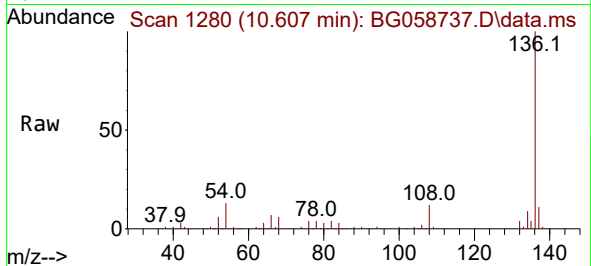




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.607 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

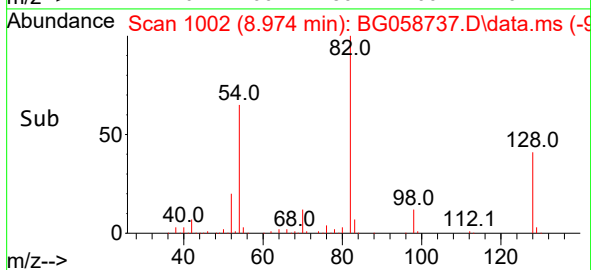
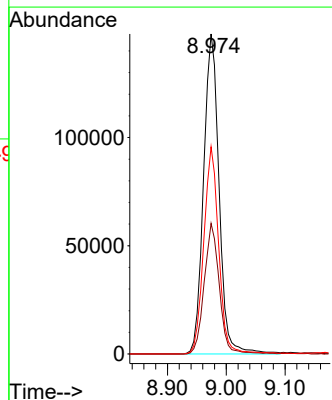
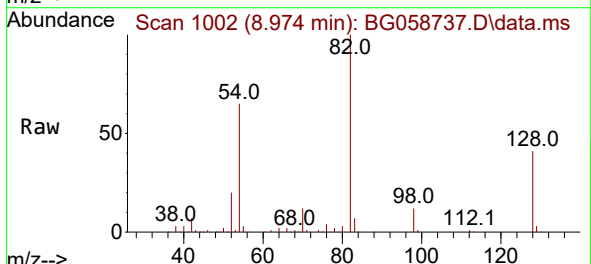
Instrument :
BNA_G
ClientSampleId :
PNNL-APM2-0811-2

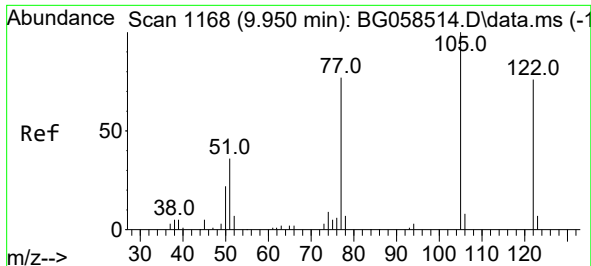
Tgt Ion:	136	Resp:	140837
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	12.7	8.9	13.3
68	6.4	5.6	8.4



#23
Nitrobenzene-d5
Concen: 94.226 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

Tgt Ion:	82	Resp:	270136
Ion Ratio	Lower	Upper	
82	100		
128	40.8	32.2	48.2
54	64.8	46.0	69.0

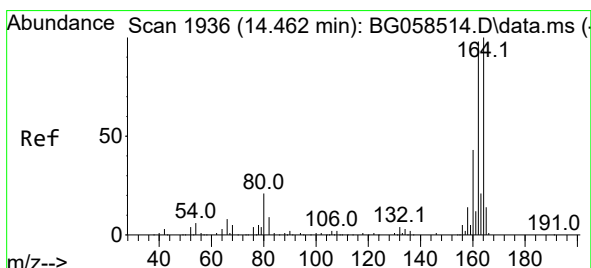
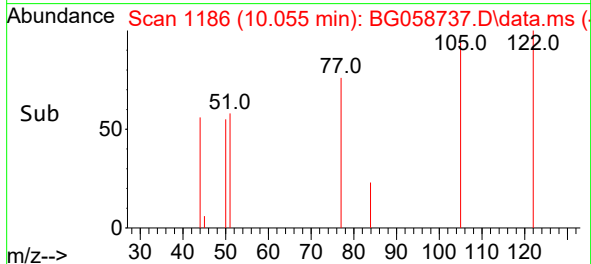
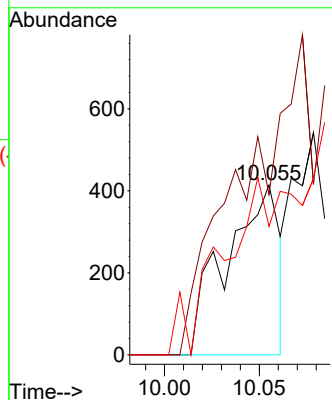
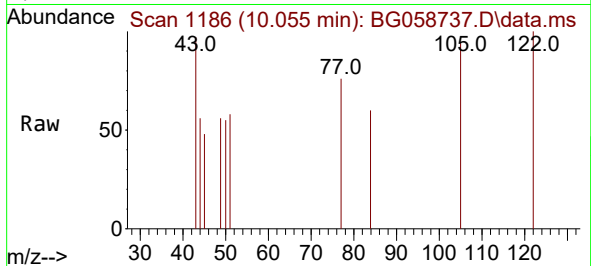




#32
Benzoic acid
Concen: 5.013 ng
RT: 10.055 min Scan# 1186
Delta R.T. 0.105 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

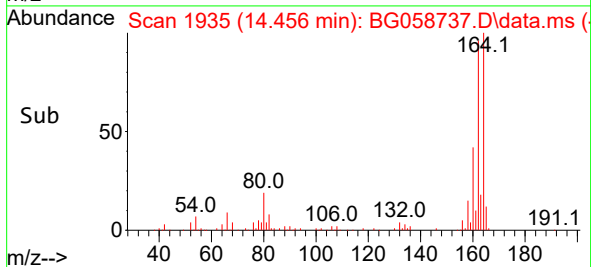
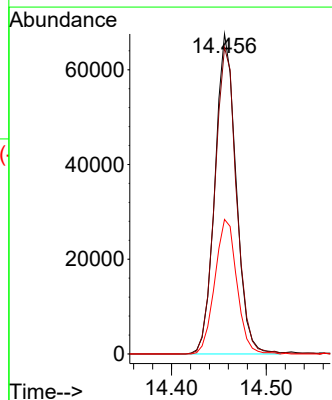
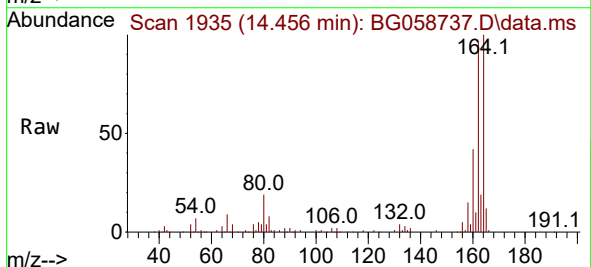
Instrument :
BNA_G
ClientSampleId :
PNNL-APM2-0811-2

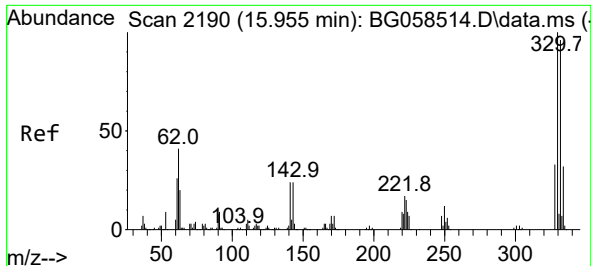
Tgt Ion:122 Resp: 800
Ion Ratio Lower Upper
122 100
105 94.4 106.5 146.5#
77 75.6 78.1 118.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.456 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

Tgt Ion:164 Resp: 104477
Ion Ratio Lower Upper
164 100
162 95.8 78.3 117.5
160 42.0 34.1 51.1

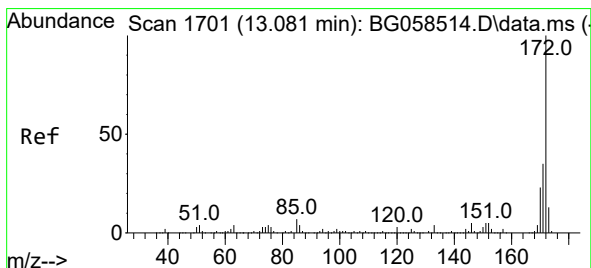
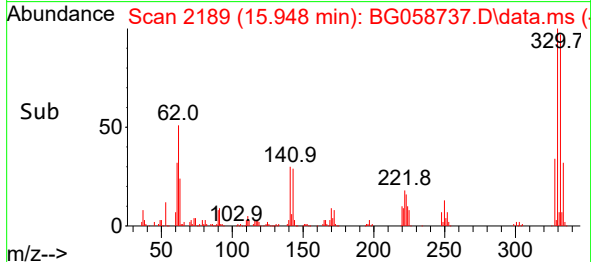
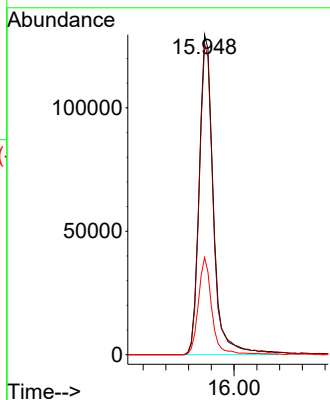
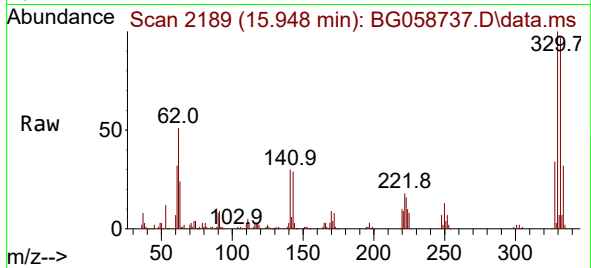




#42
 2,4,6-Tribromophenol
 Concen: 131.633 ng
 RT: 15.948 min Scan# 2190
 Delta R.T. -0.006 min
 Lab File: BG058737.D
 Acq: 15 Aug 2023 18:26

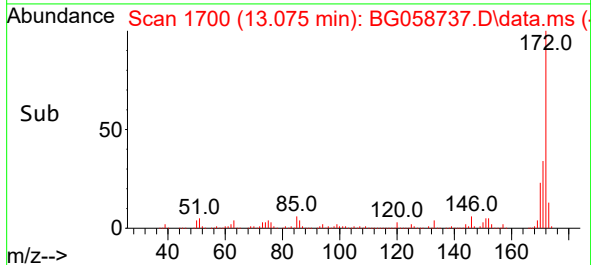
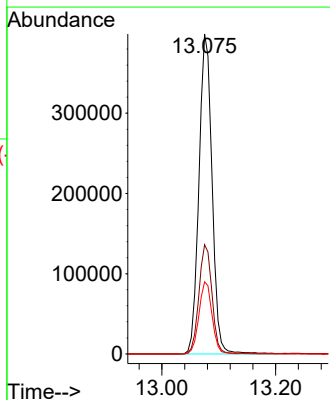
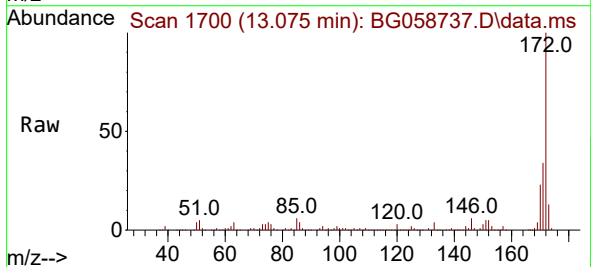
Instrument :
 BNA_G
 ClientSampleId :
 PNNL-APM2-0811-2

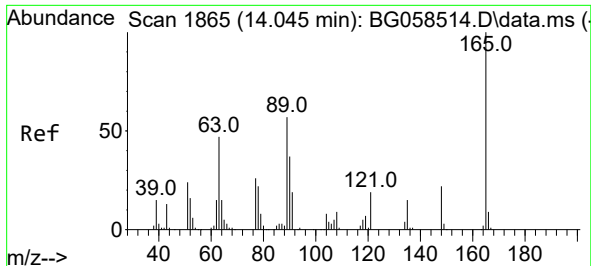
Tgt Ion:330 Resp: 225416
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.5 116.3
 141 28.9 20.7 31.1



#45
 2-Fluorobiphenyl
 Concen: 91.701 ng
 RT: 13.075 min Scan# 1700
 Delta R.T. -0.006 min
 Lab File: BG058737.D
 Acq: 15 Aug 2023 18:26

Tgt Ion:172 Resp: 639307
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.0 42.0
 170 22.5 18.4 27.6

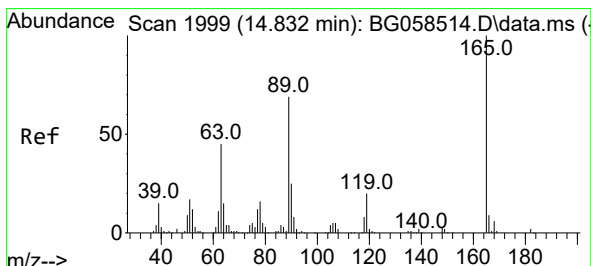
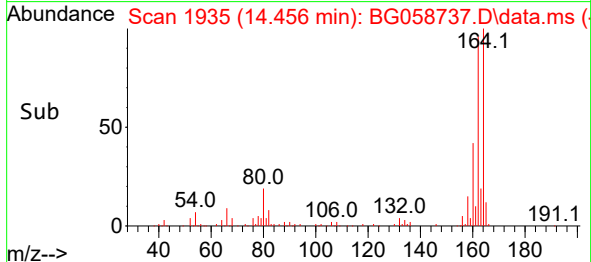
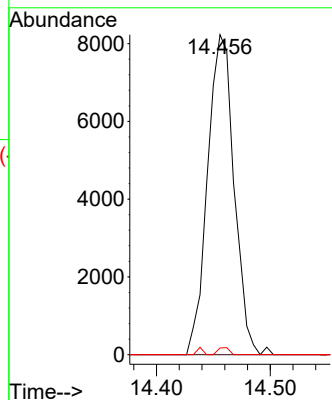
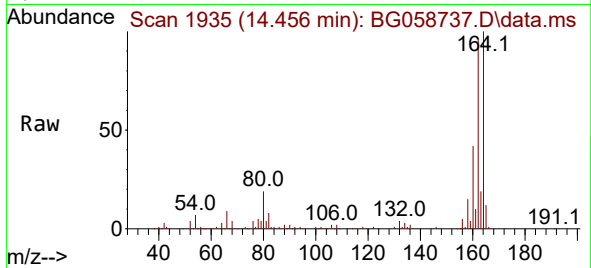




#51
2,6-Dinitrotoluene
Concen: 7.745 ng
RT: 14.456 min Scan# 1935
Delta R.T. 0.411 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

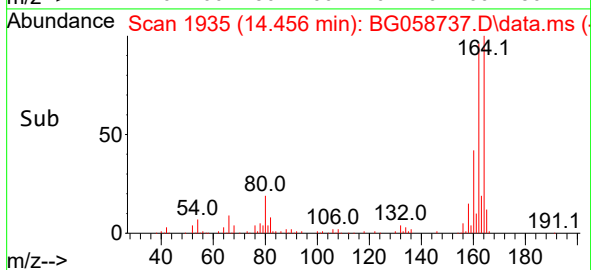
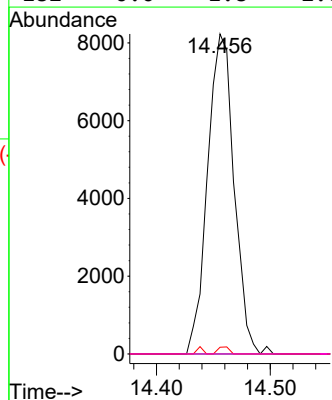
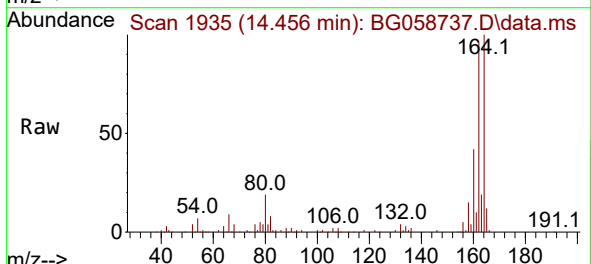
Instrument :
BNA_G
ClientSampleId :
PNNL-APM2-0811-2

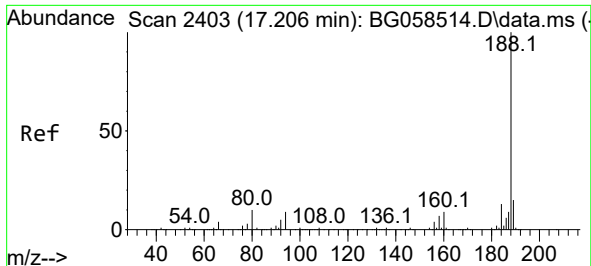
Tgt Ion:165 Resp: 13334
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 2.1 45.3 67.9#



#57
2,4-Dinitrotoluene
Concen: 5.586 ng
RT: 14.456 min Scan# 1935
Delta R.T. -0.376 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

Tgt Ion:165 Resp: 13334
Ion Ratio Lower Upper
165 100
63 0.0 36.6 54.8#
89 2.1 55.4 83.0#
182 0.0 1.8 2.6#

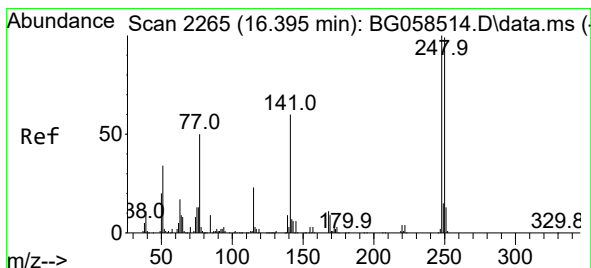
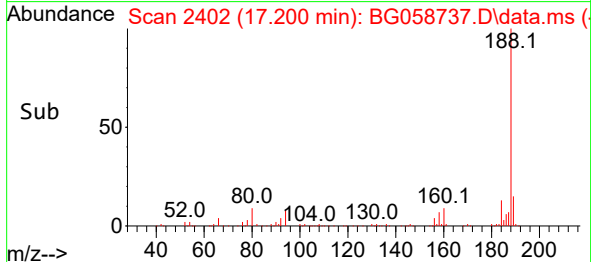
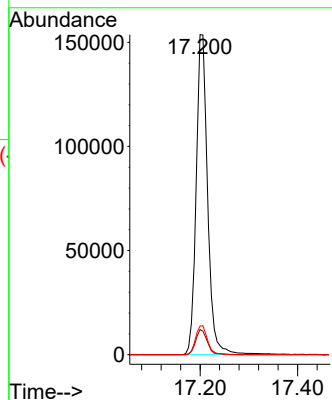
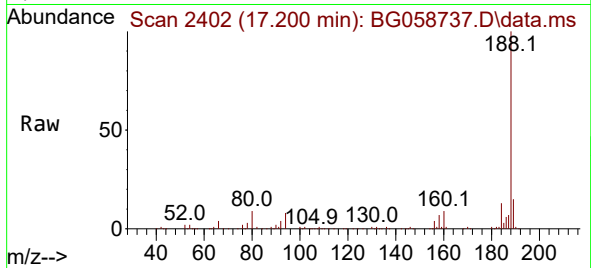




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.200 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

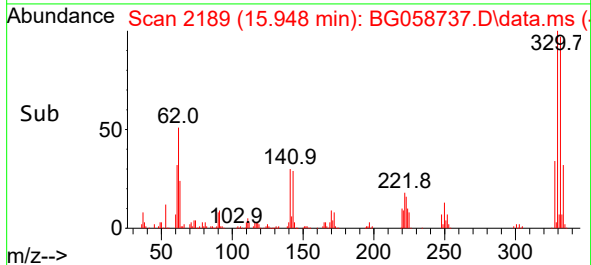
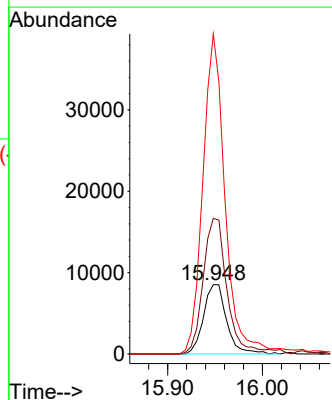
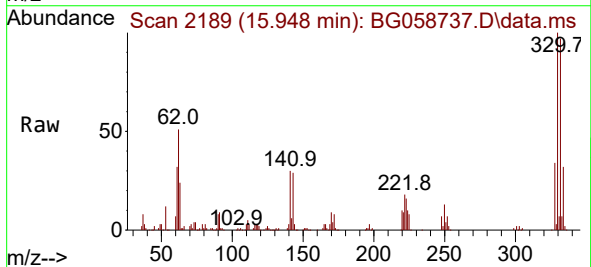
Instrument :
BNA_G
ClientSampleId :
PNNL-APM2-0811-2

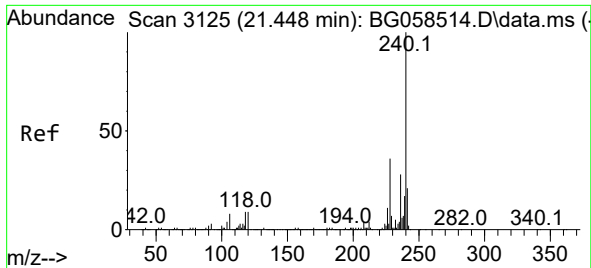
Tgt Ion:188 Resp: 252281
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.6
80 9.0 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 5.037 ng
RT: 15.948 min Scan# 2189
Delta R.T. -0.447 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

Tgt Ion:248 Resp: 14414
Ion Ratio Lower Upper
248 100
250 195.6 79.5 119.3#
141 461.5 48.2 72.2#

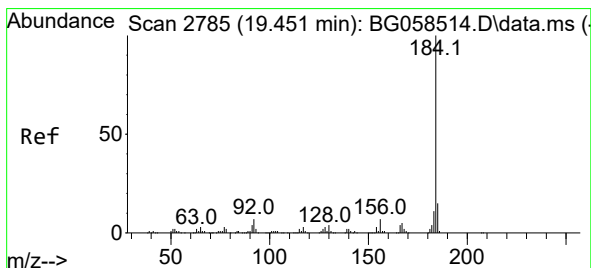
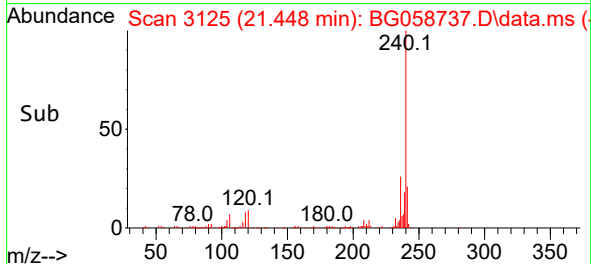
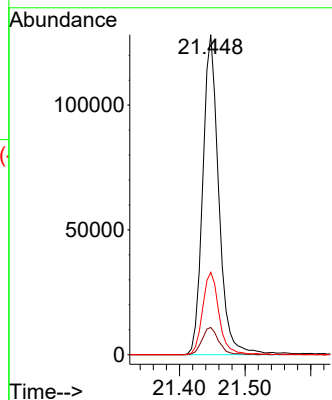
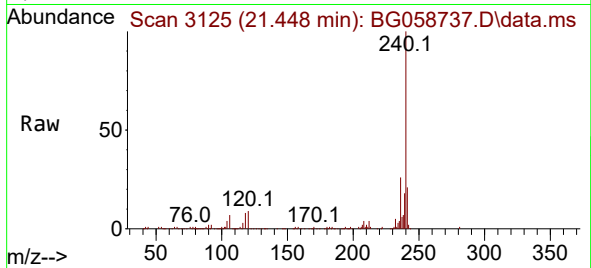




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

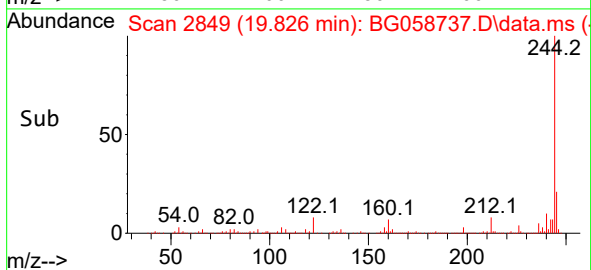
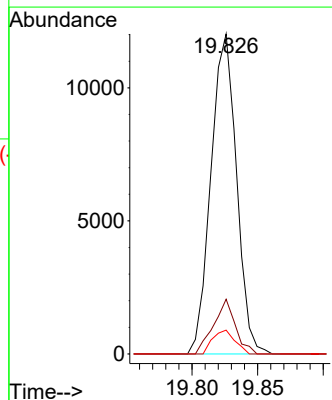
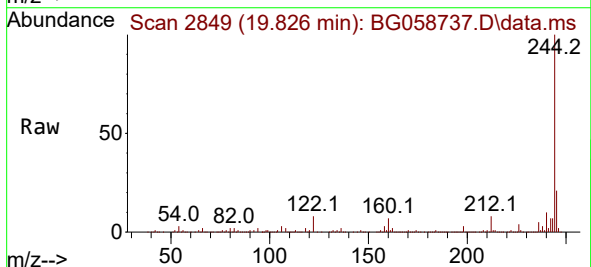
Instrument :
BNA_G
ClientSampleId :
PNNL-APM2-0811-2

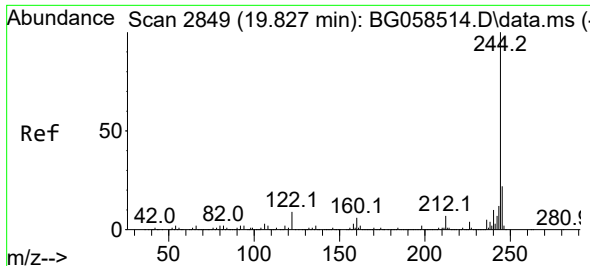
Tgt Ion:240 Resp: 218287
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 25.7 22.2 33.4



#77
Benzidine
Concen: 4.923 ng
RT: 19.826 min Scan# 2849
Delta R.T. 0.375 min
Lab File: BG058737.D
Acq: 15 Aug 2023 18:26

Tgt Ion:184 Resp: 16295
Ion Ratio Lower Upper
184 100
185 17.1 11.9 17.9
183 7.4 8.7 13.1#

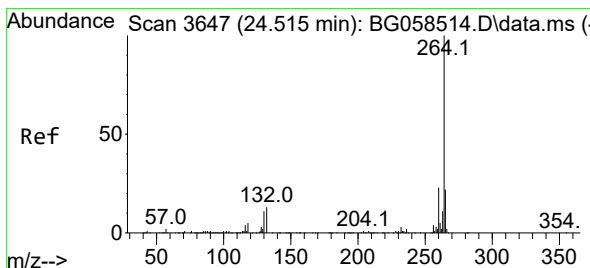
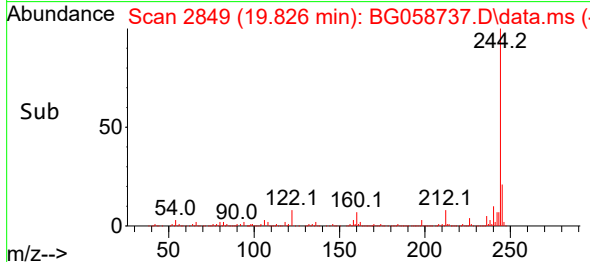
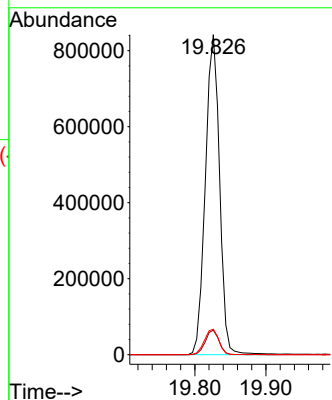
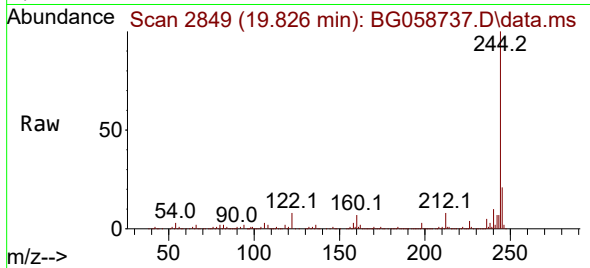




#79
 Terphenyl-d14
 Concen: 100.917 ng
 RT: 19.826 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG058737.D
 Acq: 15 Aug 2023 18:26

Instrument :
 BNA_G
 ClientSampleId :
 PNNL-APM2-0811-2

Tgt Ion:244 Resp: 1171422
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 8.0 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.520 min Scan# 3648
 Delta R.T. 0.005 min
 Lab File: BG058737.D
 Acq: 15 Aug 2023 18:26

Tgt Ion:264 Resp: 258313
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.4 27.6
 265 22.3 17.9 26.9

