

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061523\
 Data File : BG057724.D
 Acq On : 15 Jun 2023 14:39
 Operator : CG/JU
 Sample : 03160-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PNNL-B-0609-2

Quant Time: Jun 15 15:42:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 03:52:08 2023
 Response via : Initial Calibration

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

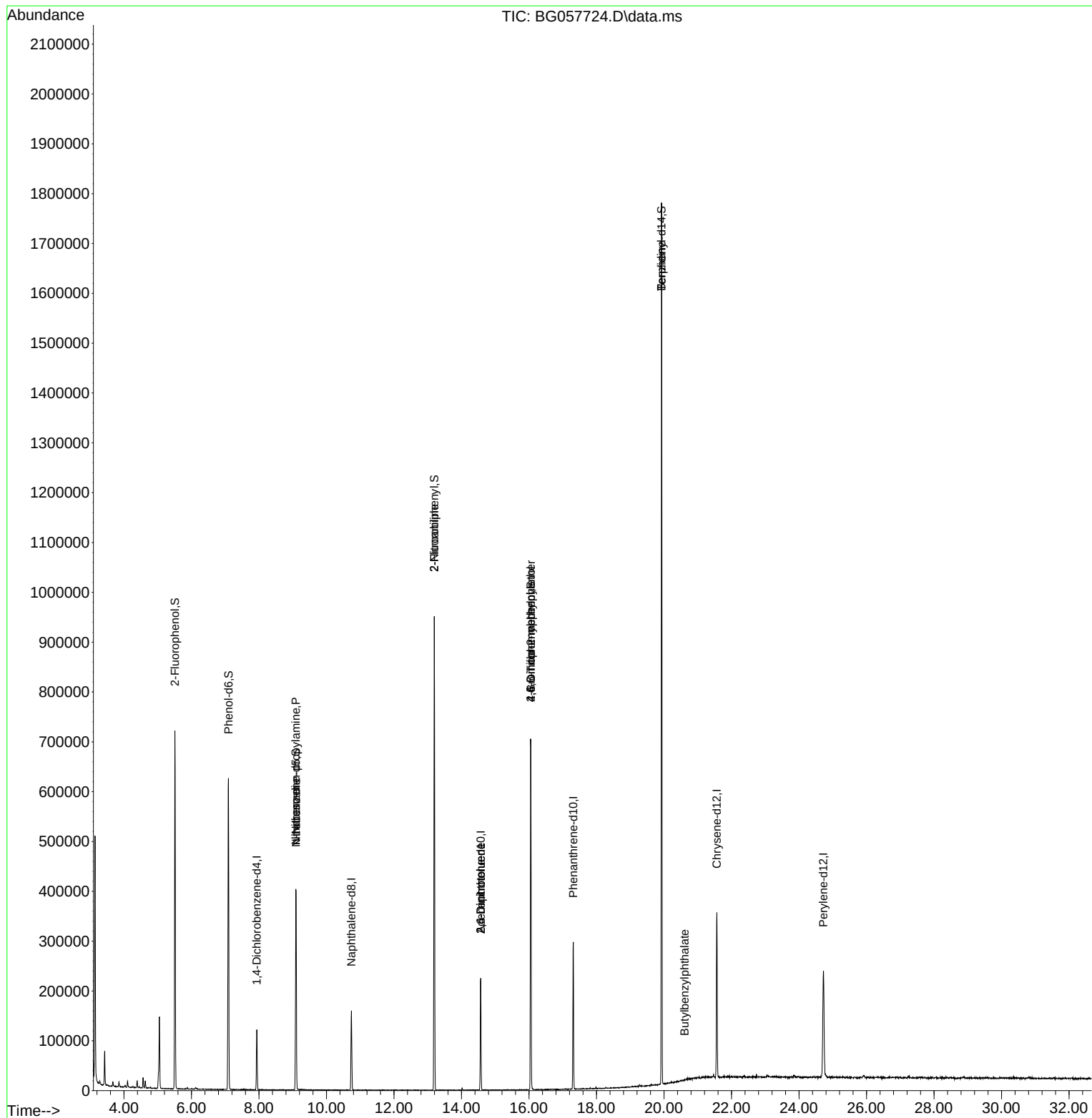
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	32217	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	130212	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	79993	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	188712	20.000	ng	0.00
76) Chrysene-d12	21.566	240	188520	20.000	ng	0.00
86) Perylene-d12	24.721	264	230958	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.509	112	288549	145.837	ng	0.00
7) Phenol-d6	7.095	99	361201	118.833	ng	0.00
23) Nitrobenzene-d5	9.093	82	234488	107.220	ng	-0.01
42) 2,4,6-Tribromophenol	16.055	330	139700	156.536	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	503969	93.911	ng	0.00
79) Terphenyl-d14	19.927	244	897270	87.997	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.093	70	29831	13.573	ng	# 77
24) Nitrobenzene	9.099	77	600	5.306	ng	# 44
48) 2-Nitroaniline	13.194	65	1069	5.306	ng	# 27
51) 2,6-Dinitrotoluene	14.569	165	10285	17.559	ng	# 12
57) 2,4-Dinitrotoluene	14.569	165	10285	14.581	ng	# 15
65) 4,6-Dinitro-2-methylph...	16.055	198	265	2.442	ng	# 31
67) 4-Bromophenyl-phenylether	16.055	248	9015	4.692	ng	# 1
77) Benzidine	19.927	184	12806	2.849	ng	# 94
80) Butylbenzylphthalate	20.609	149	57	4.117	ng	# 21

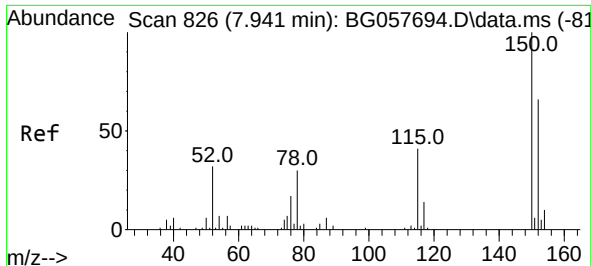
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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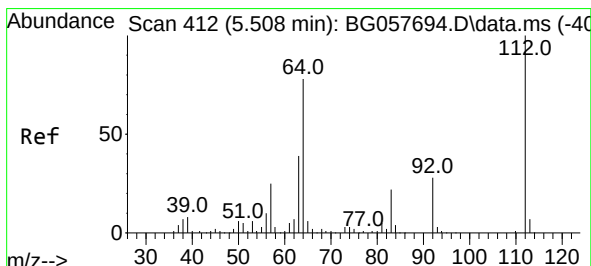
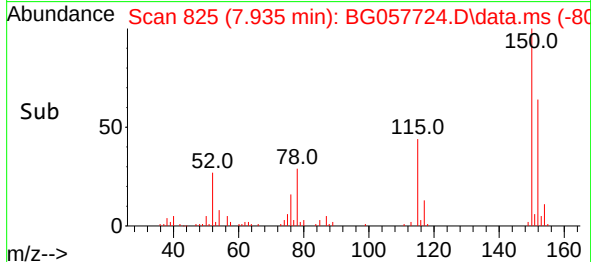
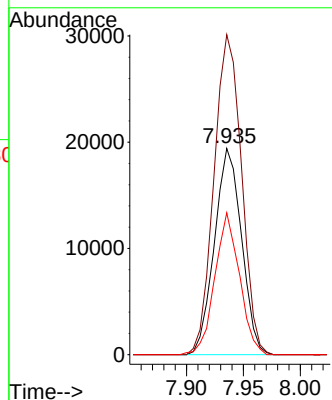
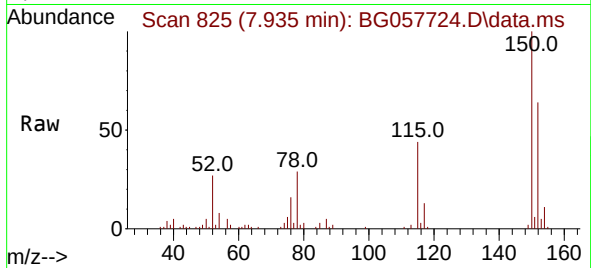




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

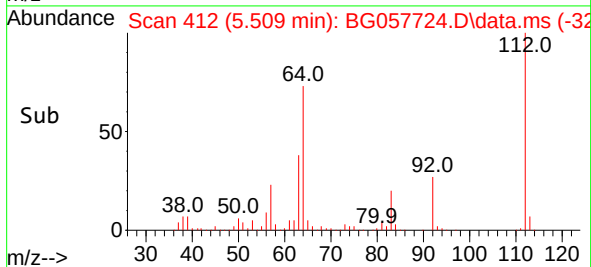
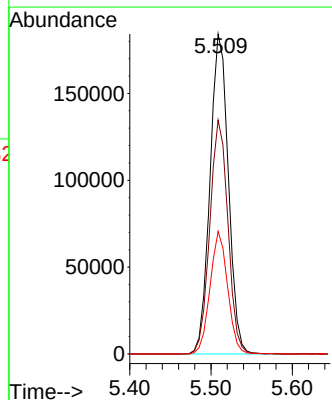
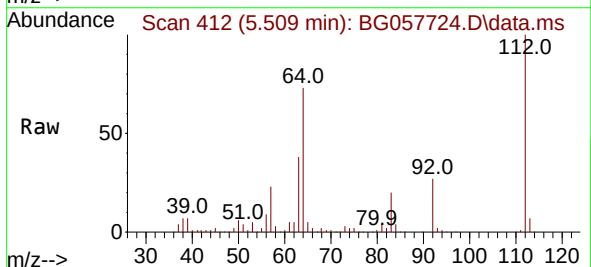
Instrument :
BNA_G
ClientSampleId :
PNNL-B-0609-2

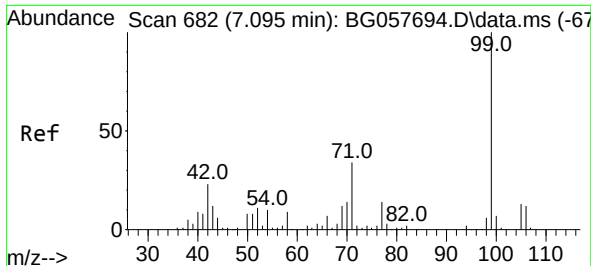
Tgt Ion:152 Resp: 32217
Ion Ratio Lower Upper
152 100
150 155.1 120.8 181.2
115 68.8 49.4 74.2



#5
2-Fluorophenol
Concen: 145.837 ng
RT: 5.509 min Scan# 412
Delta R.T. 0.000 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion:112 Resp: 288549
Ion Ratio Lower Upper
112 100
64 73.1 62.3 93.5
63 38.3 31.5 47.3

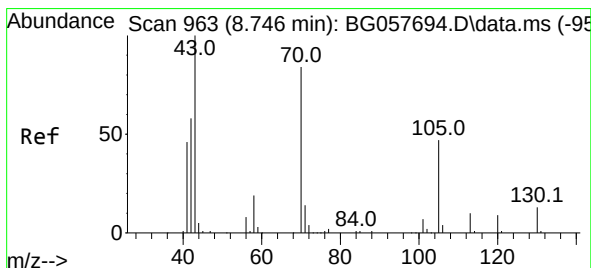
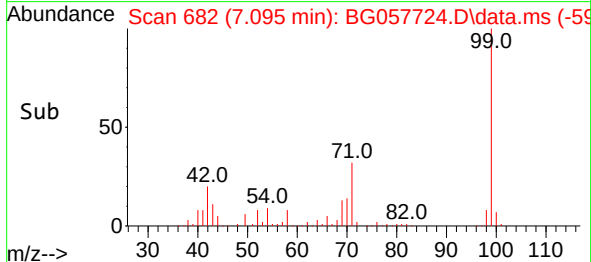
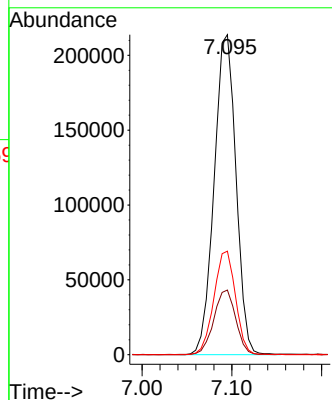
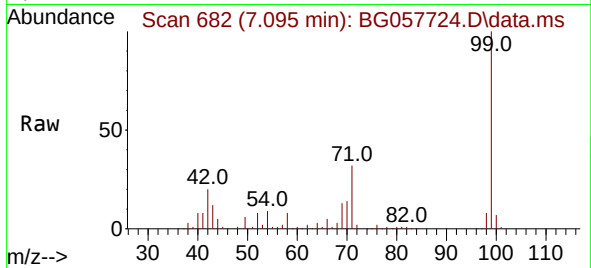




#7
Phenol-d6
Concen: 118.833 ng
RT: 7.095 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

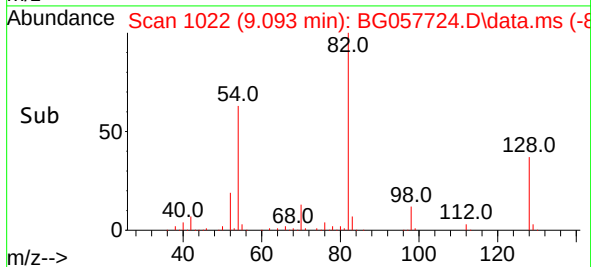
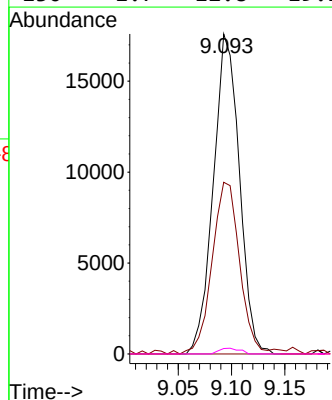
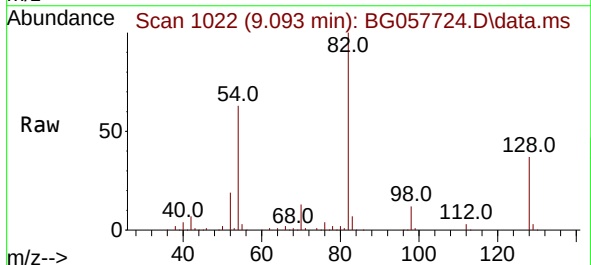
Instrument :
BNA_G
ClientSampleId :
PNNL-B-0609-2

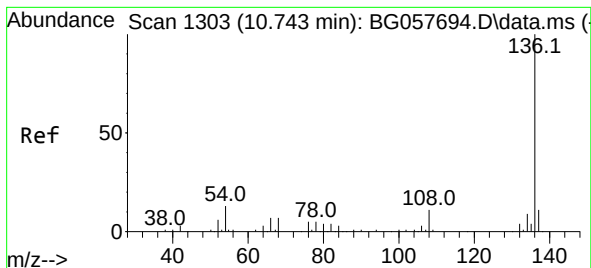
Tgt Ion: 99 Resp: 361201
Ion Ratio Lower Upper
99 100
42 20.2 18.3 27.5
71 32.4 27.5 41.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.573 ng
RT: 9.093 min Scan# 1022
Delta R.T. 0.347 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion: 70 Resp: 29831
Ion Ratio Lower Upper
70 100
42 53.7 56.6 84.8#
101 0.0 6.2 9.4#
130 1.7 12.8 19.2#

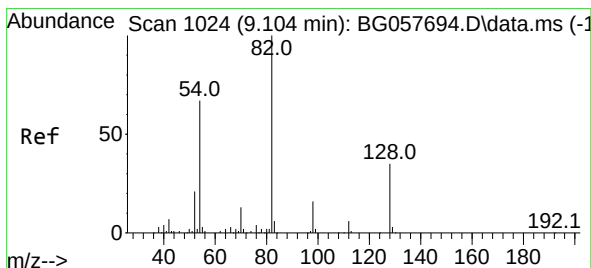
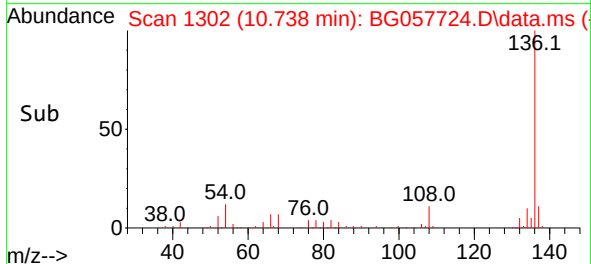
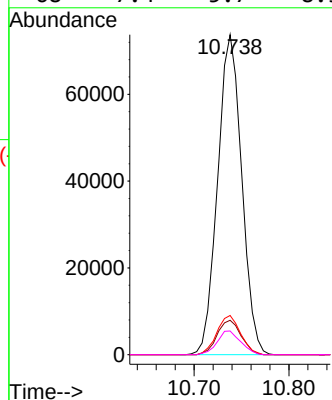
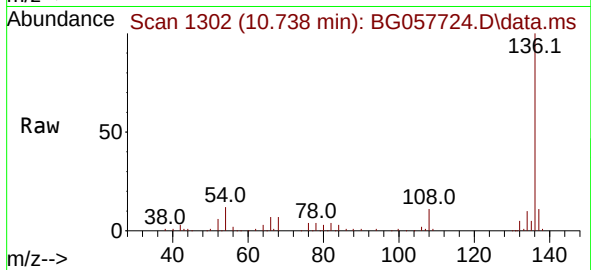




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

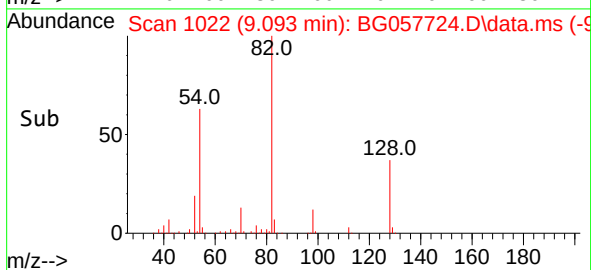
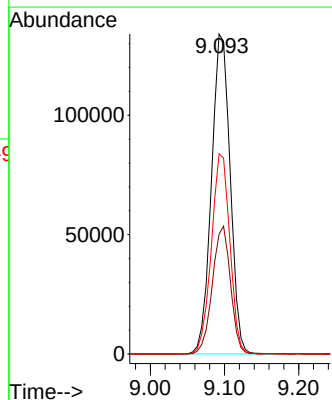
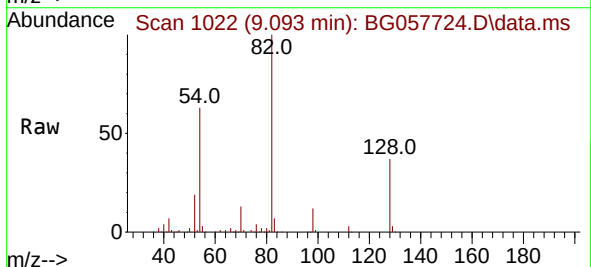
Instrument :
BNA_G
ClientSampleId :
PNNL-B-0609-2

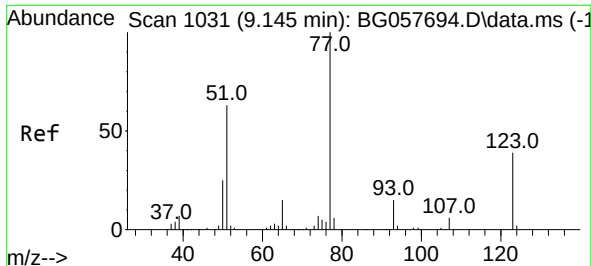
Tgt Ion:	136	Resp:	130212
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	12.2	10.8	16.2
68	7.4	5.7	8.5



#23
Nitrobenzene-d5
Concen: 107.220 ng
RT: 9.093 min Scan# 1022
Delta R.T. -0.011 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion:	82	Resp:	234488
Ion Ratio	Lower	Upper	
82	100		
128	37.5	27.7	41.5
54	62.5	53.8	80.8

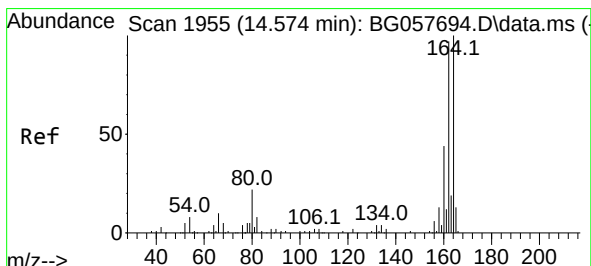
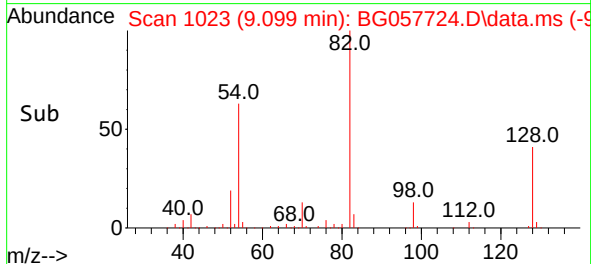
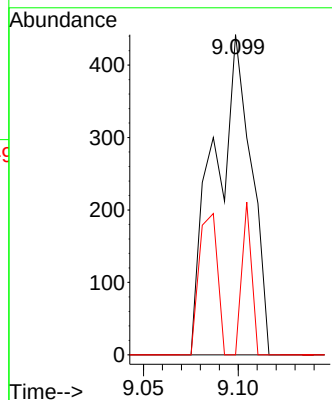
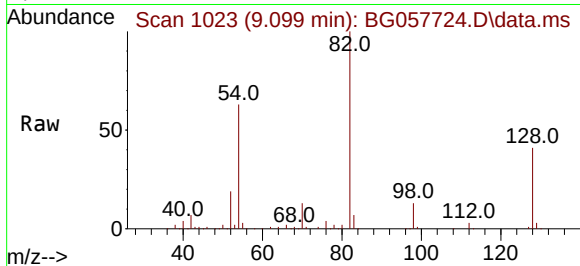




#24
Nitrobenzene
Concen: 5.306 ng
RT: 9.099 min Scan# 1031
Delta R.T. -0.046 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

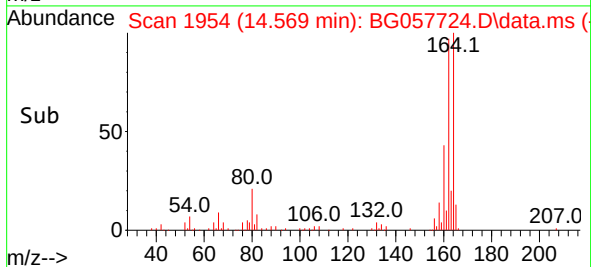
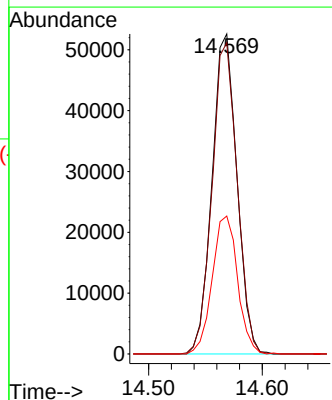
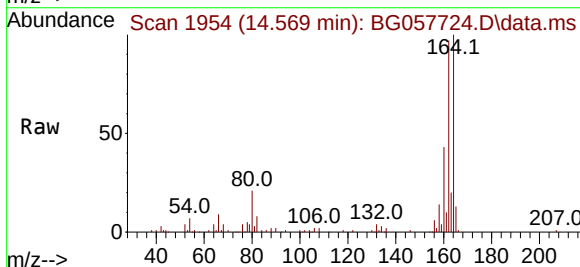
Instrument :
BNA_G
ClientSampleId :
PNNL-B-0609-2

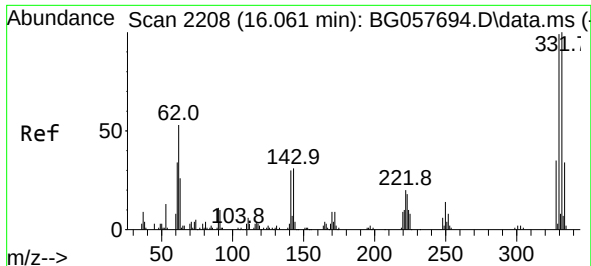
Tgt Ion: 77 Resp: 600
Ion Ratio Lower Upper
77 100
123 0.0 31.2 46.8#
65 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1954
Delta R.T. -0.005 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion: 164 Resp: 79993
Ion Ratio Lower Upper
164 100
162 97.2 77.7 116.5
160 43.1 35.1 52.7

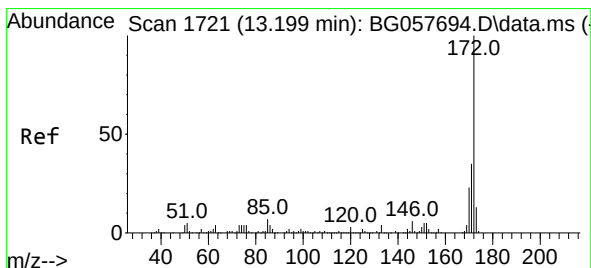
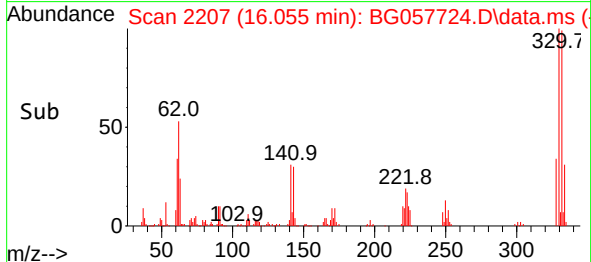
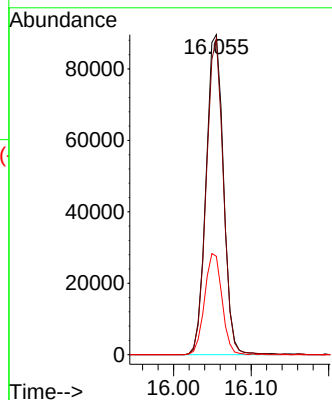
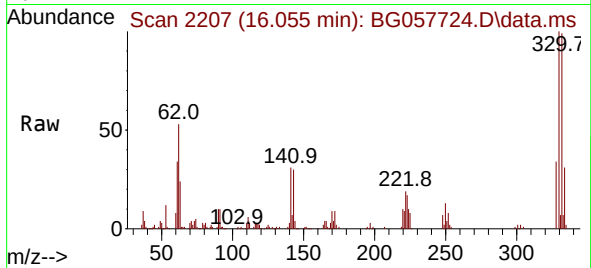




#42
 2,4,6-Tribromophenol
 Concen: 156.536 ng
 RT: 16.055 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057724.D
 Acq: 15 Jun 2023 14:39

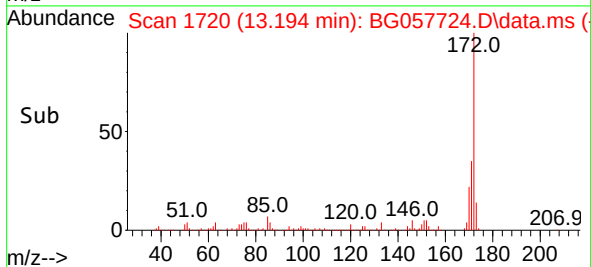
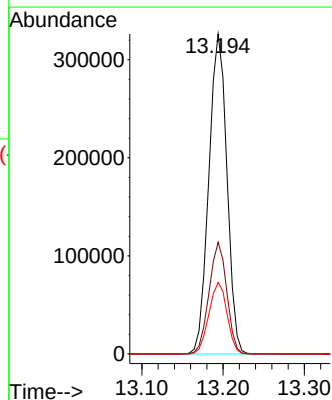
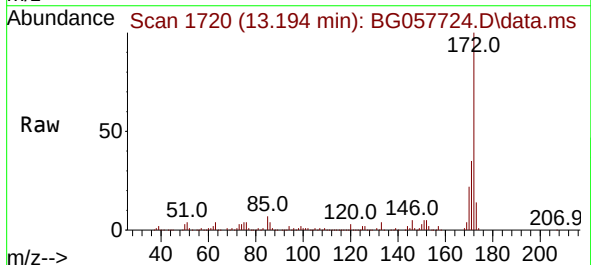
Instrument :
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 ClientSampleId :
 PNNL-B-0609-2

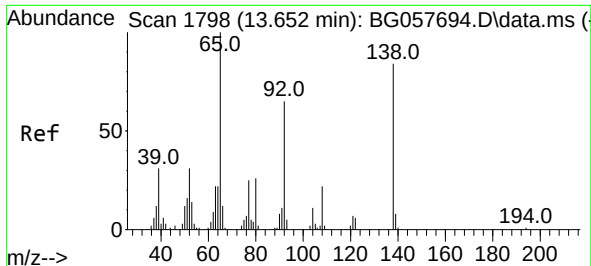
Tgt Ion:330 Resp: 139700
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.0 118.6
 141 31.6 25.0 37.6



#45
 2-Fluorobiphenyl
 Concen: 93.911 ng
 RT: 13.194 min Scan# 1720
 Delta R.T. -0.006 min
 Lab File: BG057724.D
 Acq: 15 Jun 2023 14:39

Tgt Ion:172 Resp: 503969
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.9 41.9
 170 22.3 18.2 27.4

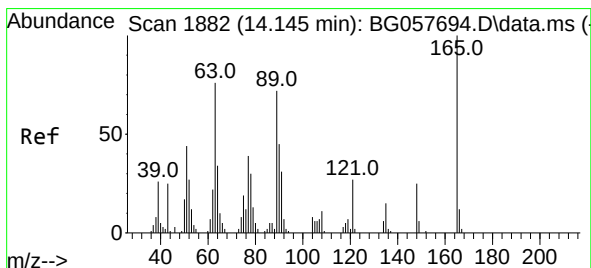
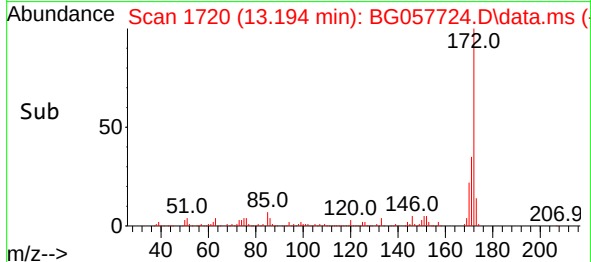
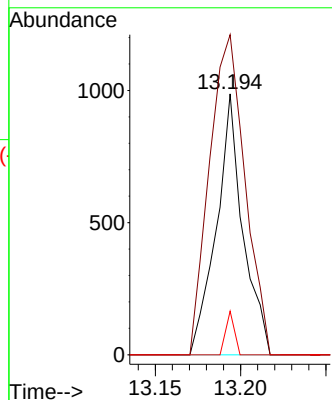
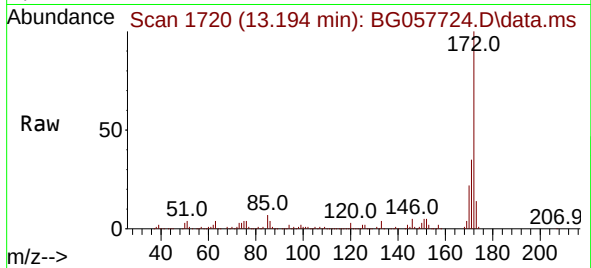




#48
2-Nitroaniline
Concen: 5.306 ng
RT: 13.194 min Scan# 11
Delta R.T. -0.458 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

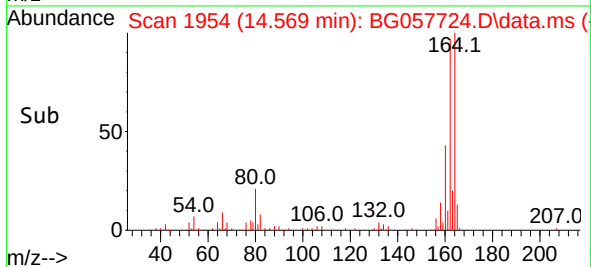
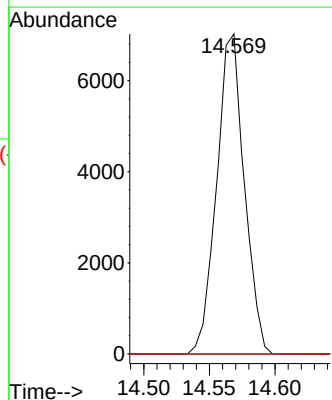
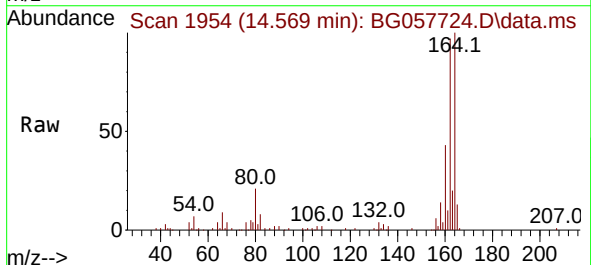
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ClientSampleId :
PNNL-B-0609-2

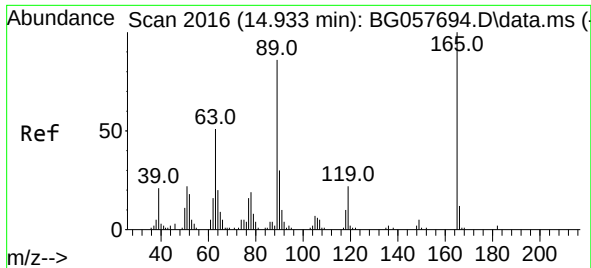
Tgt Ion: 65 Resp: 1069
Ion Ratio Lower Upper
65 100
92 122.7 52.2 78.4#
138 16.7 67.0 100.4#



#51
2,6-Dinitrotoluene
Concen: 17.559 ng
RT: 14.569 min Scan# 1954
Delta R.T. 0.424 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion:165 Resp: 10285
Ion Ratio Lower Upper
165 100
63 0.0 62.3 93.5#
89 0.0 57.4 86.0#

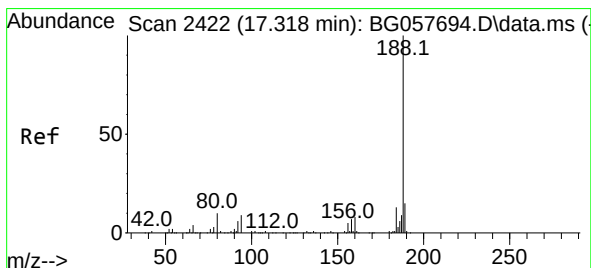
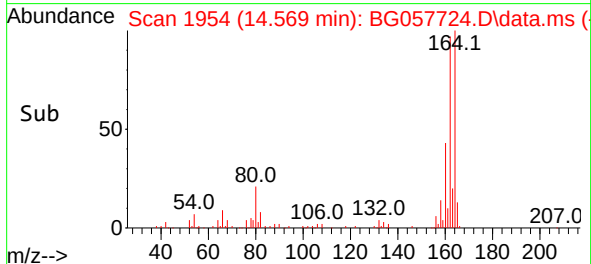
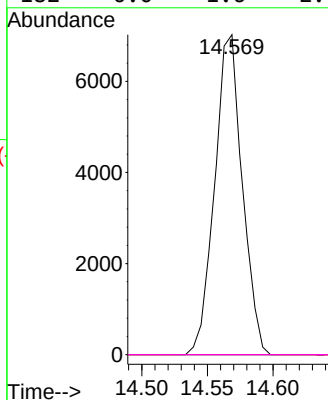
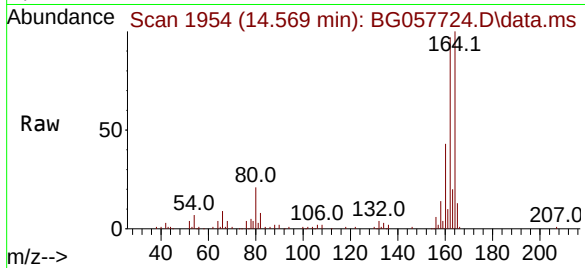




#57
2,4-Dinitrotoluene
Concen: 14.581 ng
RT: 14.569 min Scan# 1954
Delta R.T. -0.364 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

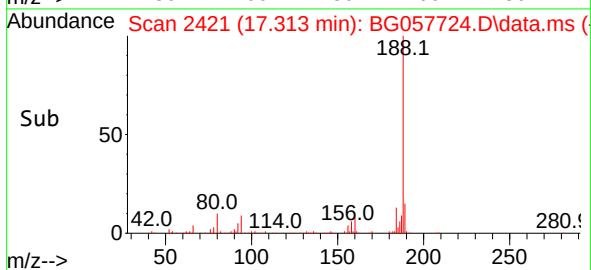
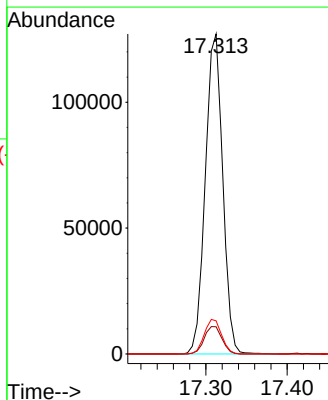
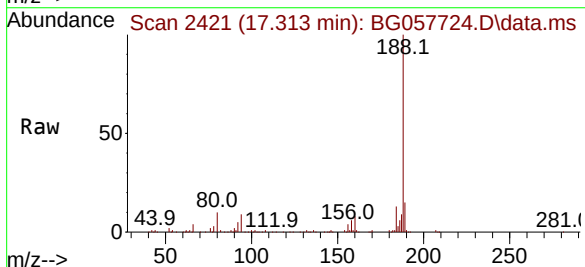
Instrument :
BNA_G
ClientSampleId :
PNNL-B-0609-2

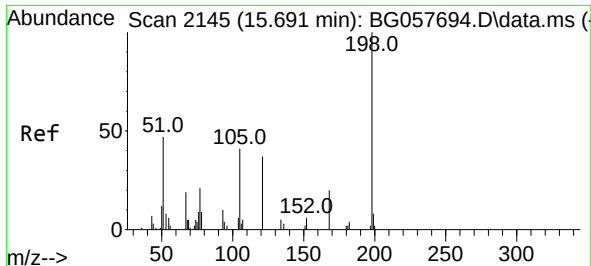
Tgt Ion:165 Resp: 10285
Ion Ratio Lower Upper
165 100
63 0.0 40.8 61.2#
89 0.0 68.5 102.7#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion:188 Resp: 188712
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 10.4 8.2 12.4

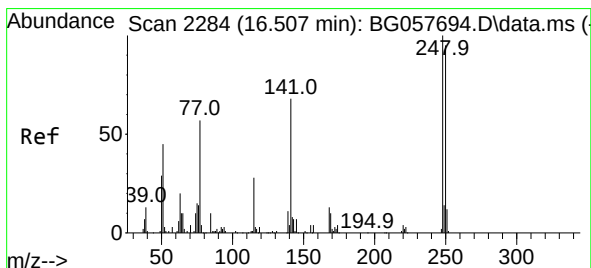
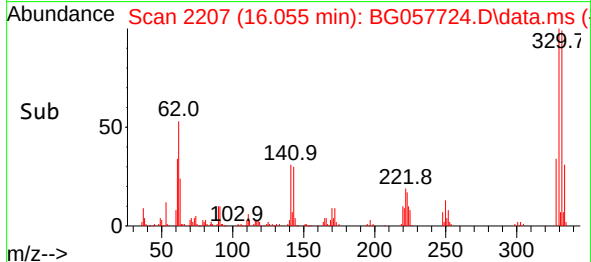
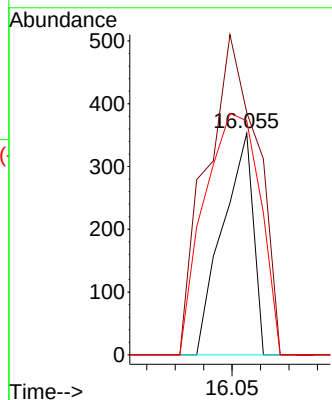
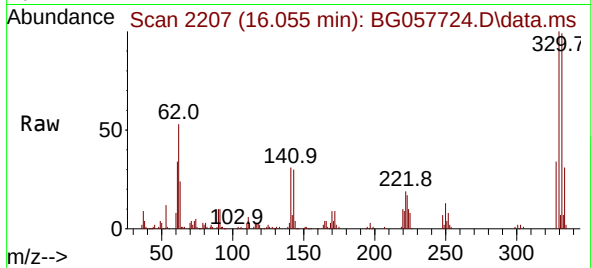




#65
4,6-Dinitro-2-methylphenol
Concen: 2.442 ng
RT: 16.055 min Scan# 2145
Delta R.T. 0.364 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

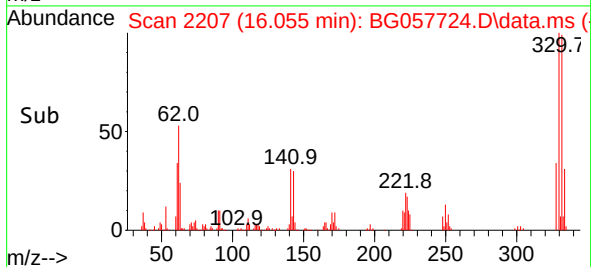
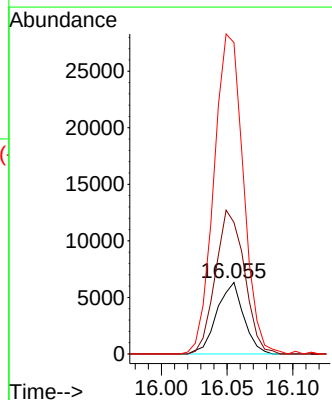
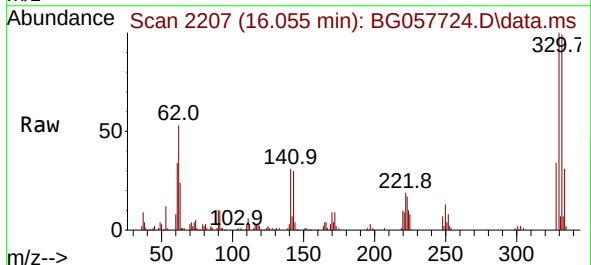
Instrument :
BNA_G
ClientSampleId :
PNNL-B-0609-2

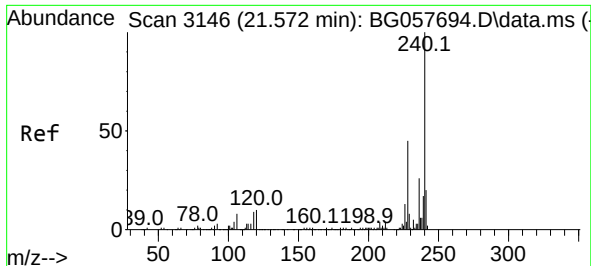
Tgt Ion:198 Resp: 265
Ion Ratio Lower Upper
198 100
51 109.3 42.0 82.0#
105 105.7 30.9 70.9#



#67
4-Bromophenyl-phenylether
Concen: 4.692 ng
RT: 16.055 min Scan# 2207
Delta R.T. -0.452 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion:248 Resp: 9015
Ion Ratio Lower Upper
248 100
250 183.8 76.3 114.5#
141 435.3 54.6 82.0#

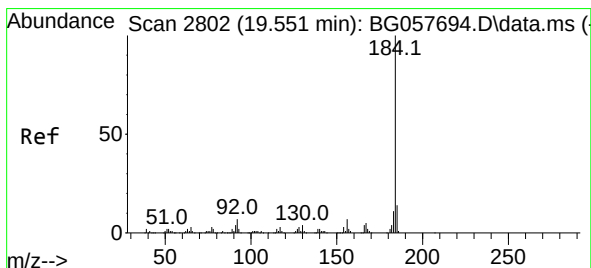
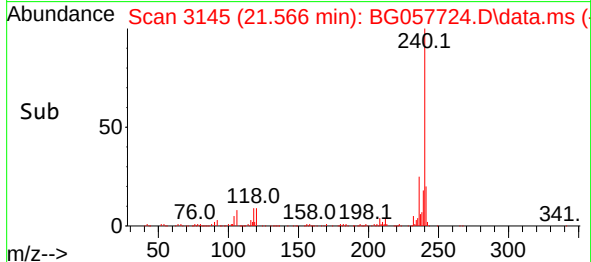
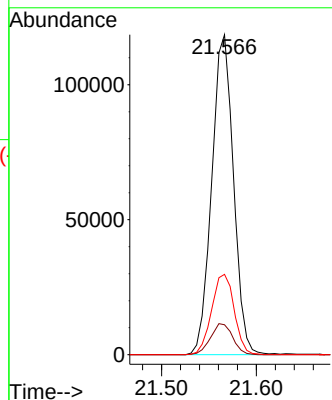
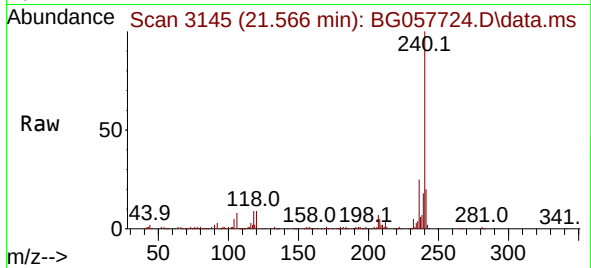




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

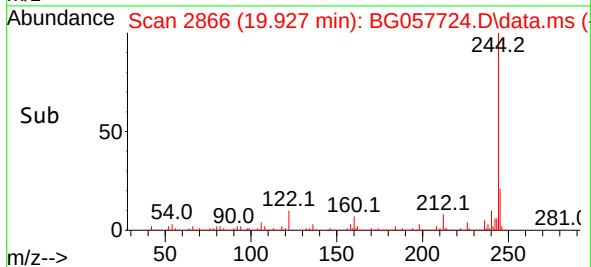
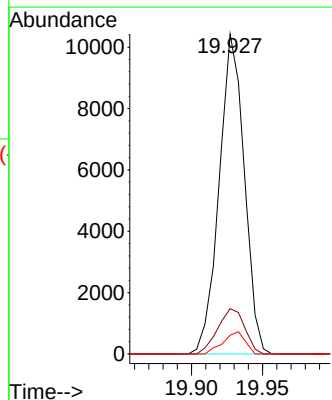
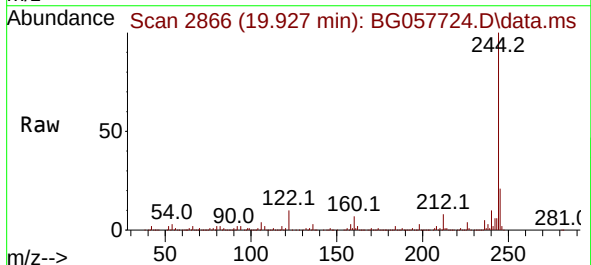
Instrument :
BNA_G
ClientSampleId :
PNNL-B-0609-2

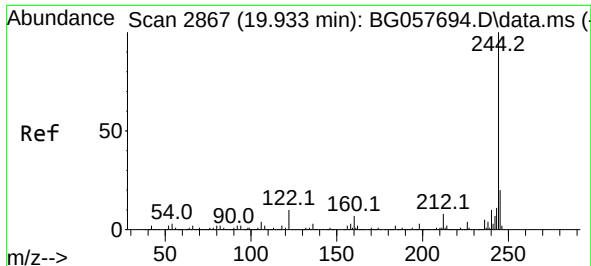
Tgt Ion:240 Resp: 188520
Ion Ratio Lower Upper
240 100
120 9.4 8.1 12.1
236 25.1 20.7 31.1



#77
Benzidine
Concen: 2.849 ng
RT: 19.927 min Scan# 2866
Delta R.T. 0.376 min
Lab File: BG057724.D
Acq: 15 Jun 2023 14:39

Tgt Ion:184 Resp: 12806
Ion Ratio Lower Upper
184 100
185 14.2 11.1 16.7
183 5.9 8.4 12.6#

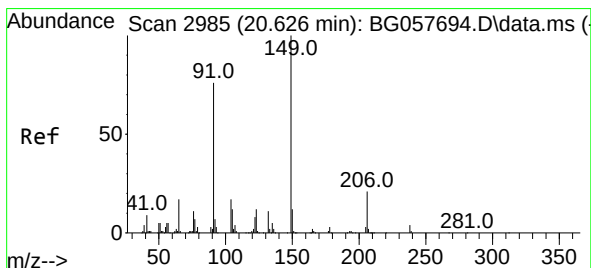
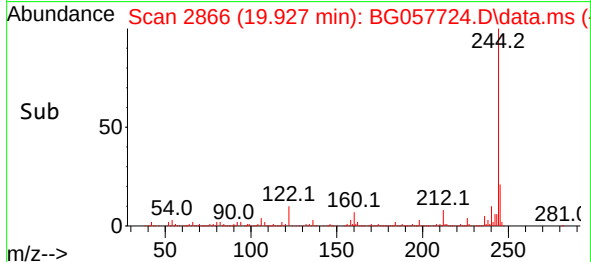
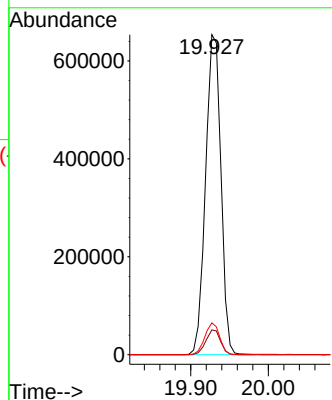
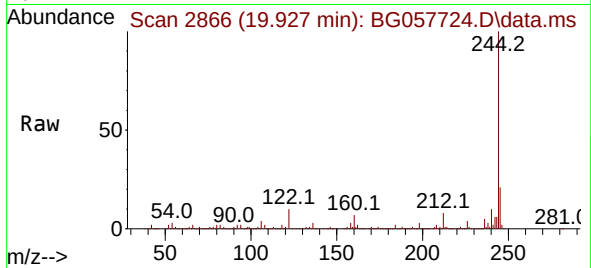




#79
 Terphenyl-d14
 Concen: 87.997 ng
 RT: 19.927 min Scan# 2866
 Delta R.T. -0.006 min
 Lab File: BG057724.D
 Acq: 15 Jun 2023 14:39

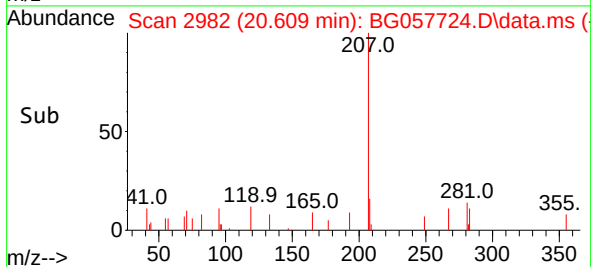
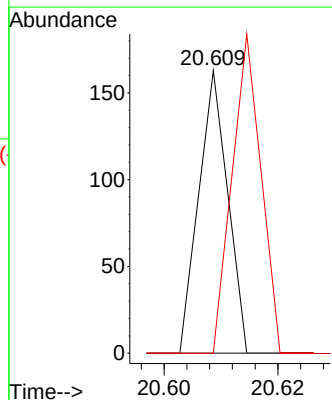
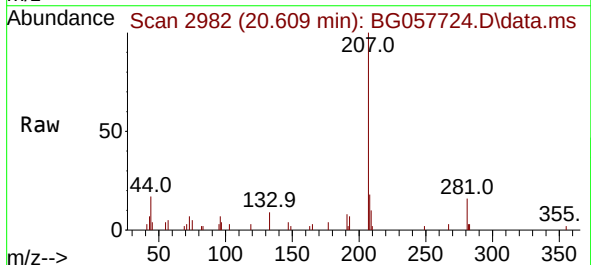
Instrument :
 BNA_G
 ClientSampleId :
 PNNL-B-0609-2

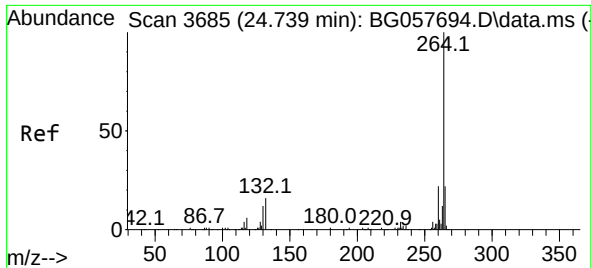
Tgt Ion:244 Resp: 897270
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 10.0 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 4.117 ng
 RT: 20.609 min Scan# 2982
 Delta R.T. -0.017 min
 Lab File: BG057724.D
 Acq: 15 Jun 2023 14:39

Tgt Ion:149 Resp: 57
 Ion Ratio Lower Upper
 149 100
 91 0.0 60.8 91.2#
 206 0.0 16.8 25.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.721 min Scan# 30
 Delta R.T. -0.017 min
 Lab File: BG057724.D
 Acq: 15 Jun 2023 14:39

Instrument :
 BNA_G
 ClientSampleId :
 PNNL-B-0609-2

Tgt Ion:264 Resp: 230958
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.3 25.9
 265 22.7 17.5 26.3

