

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
 Data File : BG058535.D
 Acq On : 29 Jul 2023 2:36
 Operator : MA/JU
 Sample : 03642-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

Quant Time: Jul 29 03:14:48 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)

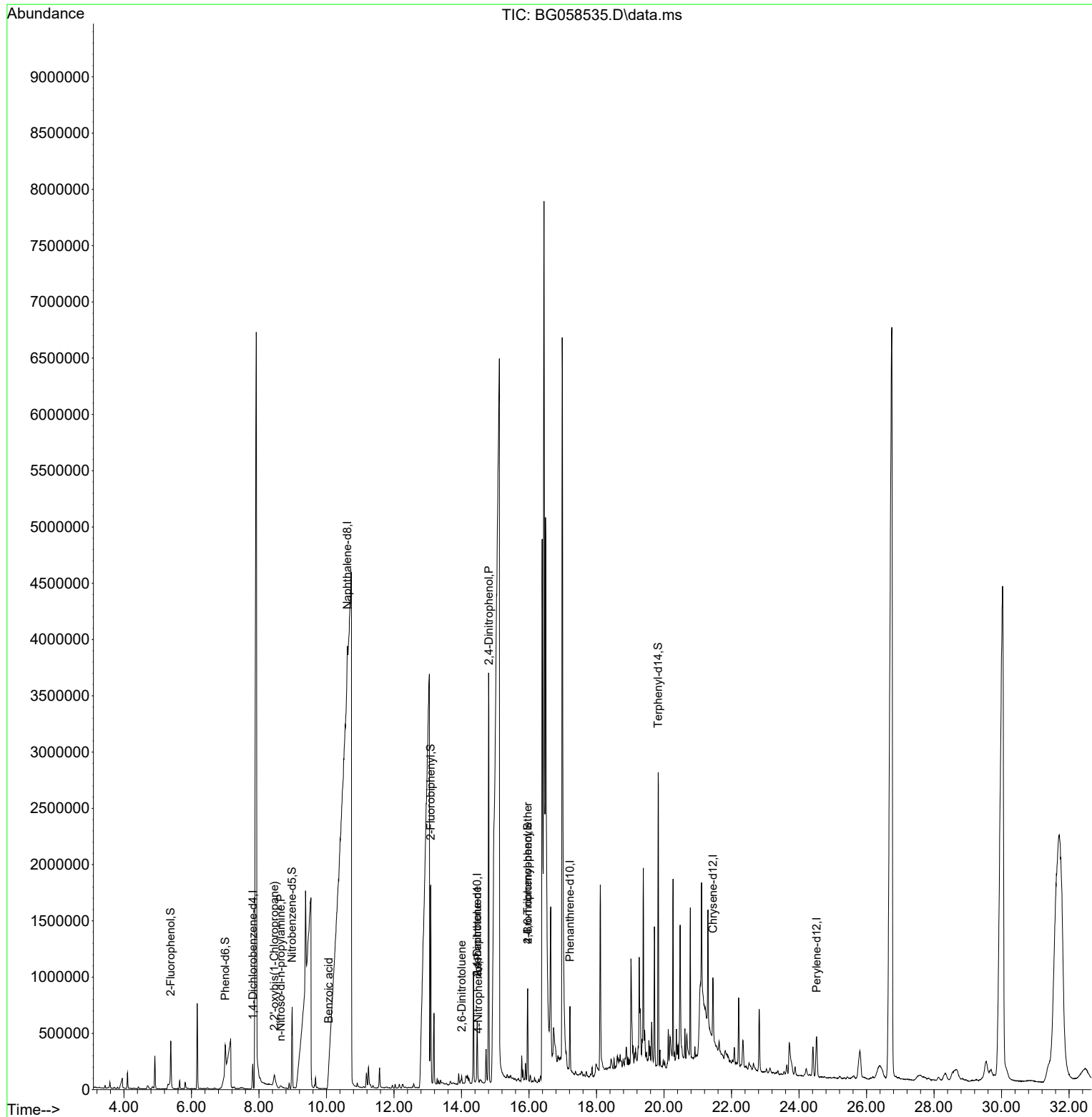
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	59446	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	183142	20.000	ng	# 0.00
39) Acenaphthene-d10	14.463	164	167454	20.000	ng	0.00
64) Phenanthrene-d10	17.212	188	352068	20.000	ng	0.00
76) Chrysene-d12	21.448	240	303690	20.000	ng	0.00
86) Perylene-d12	24.521	264	392843	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	159913	41.116	ng	0.00
7) Phenol-d6	7.001	99	159930	29.552	ng	0.02
23) Nitrobenzene-d5	8.981	82	441774	118.500	ng	0.00
42) 2,4,6-Tribromophenol	15.961	330	184123	67.083	ng	0.00
45) 2-Fluorobiphenyl	13.088	172	966105	86.459	ng	0.00
79) Terphenyl-d14	19.827	244	1407215	87.138	ng	0.00
Target Compounds						
						Qvalue
16) 2,2'-oxybis(1-Chloropr...	8.452	45	18328	2.707	ng	76
19) n-Nitroso-di-n-propyla...	8.646	70	7551	2.160	ng	# 63
32) Benzoic acid	10.062	122	457	4.760	ng	# 36
51) 2,6-Dinitrotoluene	14.004	165	9267	3.358	ng	# 30
54) 2,4-Dinitrophenol	14.809	184	304	7.662	ng	# 1
56) 4-Nitrophenol	14.492	139	423	3.523	ng	88
57) 2,4-Dinitrotoluene	14.463	165	22023	5.757	ng	# 27
67) 4-Bromophenyl-phenylether	15.961	248	11738	2.939	ng	# 1

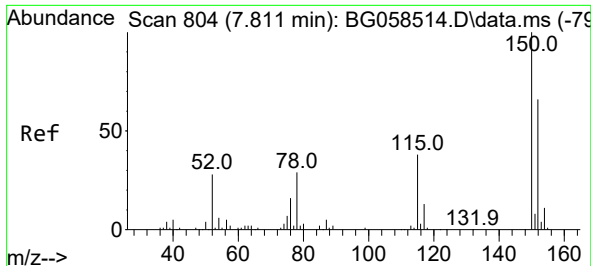
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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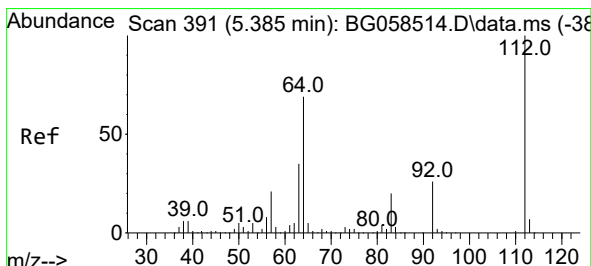
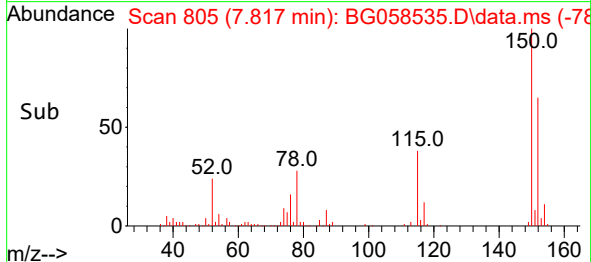
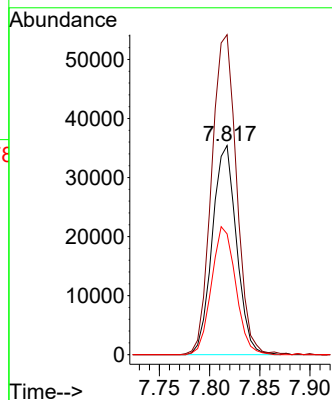
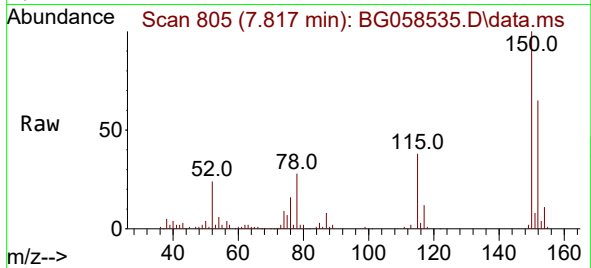




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.817 min Scan# 804
Delta R.T. 0.006 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

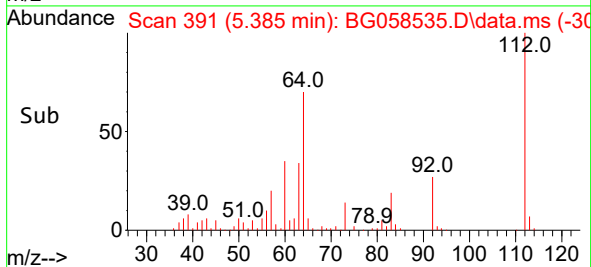
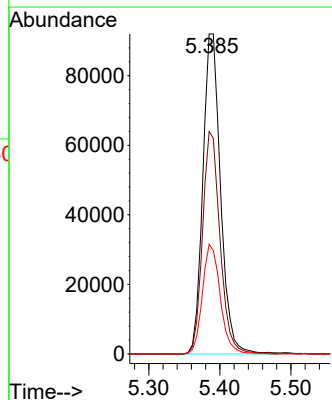
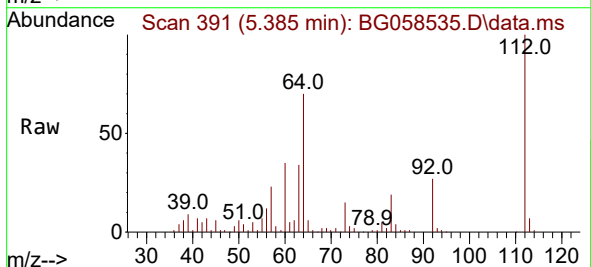
Instrument :
BNA_G
ClientSampleId :
EFF-WW

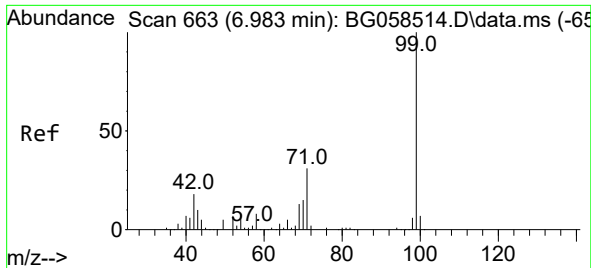
Tgt Ion:152 Resp: 59446
Ion Ratio Lower Upper
152 100
150 153.0 120.5 180.7
115 57.8 45.9 68.9



#5
2-Fluorophenol
Concen: 41.116 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Tgt Ion:112 Resp: 159913
Ion Ratio Lower Upper
112 100
64 69.5 55.3 82.9
63 34.2 28.3 42.5

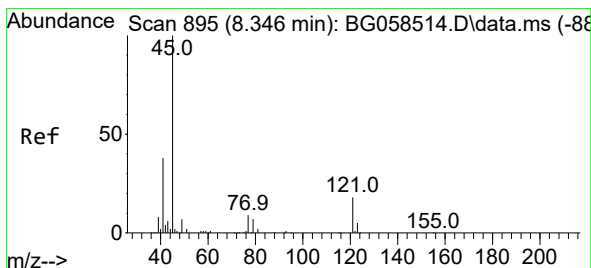
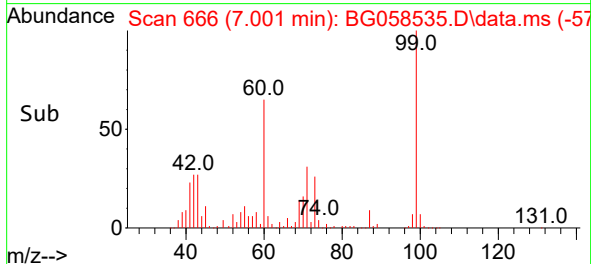
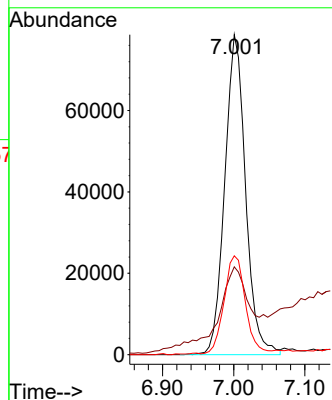
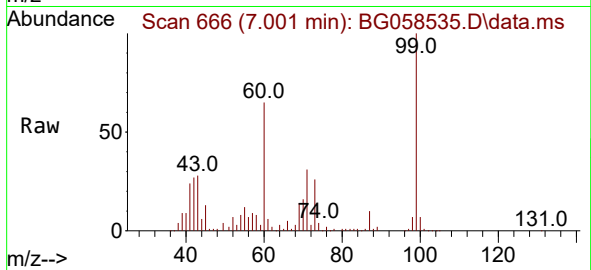




#7
Phenol-d6
Concen: 29.552 ng
RT: 7.001 min Scan# 601
Delta R.T. 0.018 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

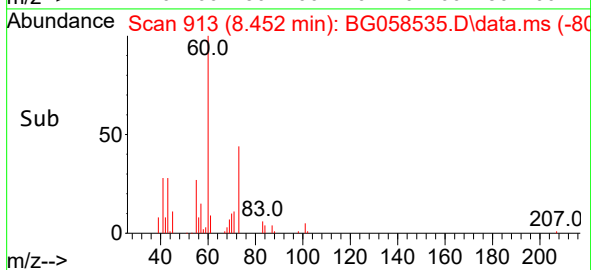
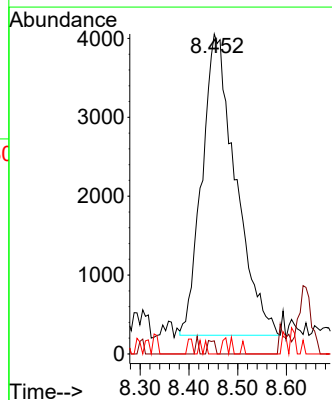
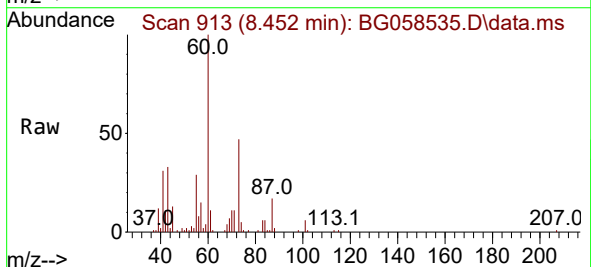
Instrument :
BNA_G
ClientSampleId :
EFF-WW

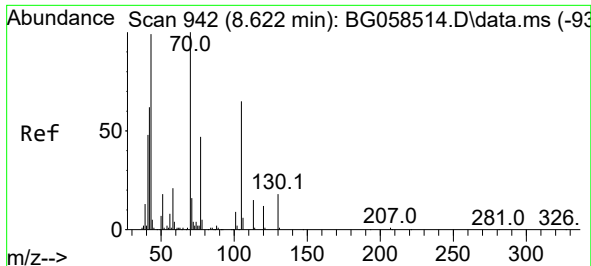
Tgt Ion: 99 Resp: 159930
Ion Ratio Lower Upper
99 100
42 27.5 14.6 21.8#
71 30.9 25.0 37.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 2.707 ng
RT: 8.452 min Scan# 913
Delta R.T. 0.106 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Tgt Ion: 45 Resp: 18328
Ion Ratio Lower Upper
45 100
77 4.1 0.0 32.6
79 0.0 0.0 30.2



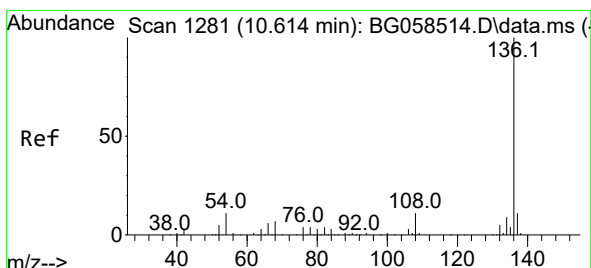
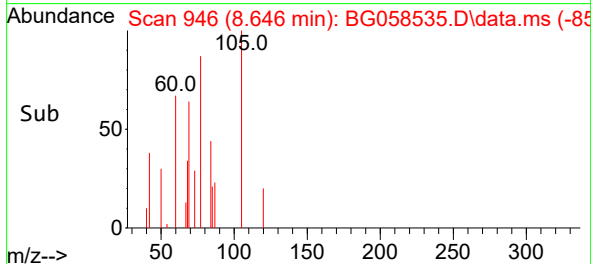
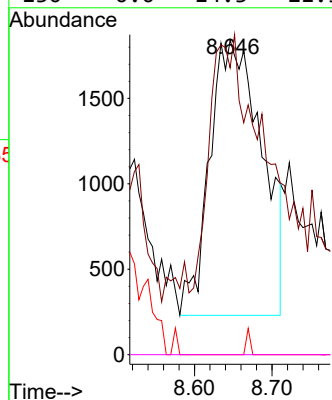
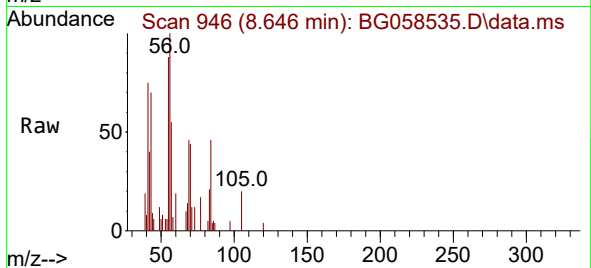


#19
n-Nitroso-di-n-propylamine
Concen: 2.160 ng
RT: 8.646 min Scan# 942
Delta R.T. 0.024 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Instrument :
BNA_G
ClientSampleId :
EFF-WW

Tgt Ion: 70 Resp: 7551

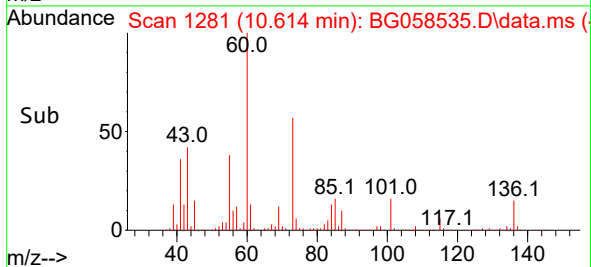
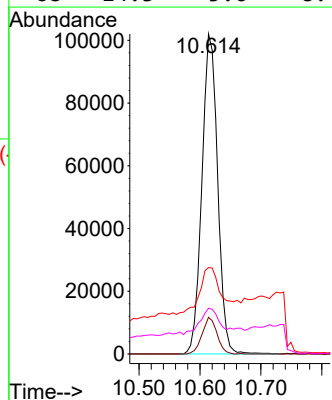
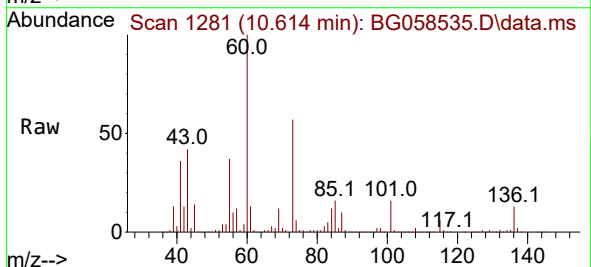
Ion	Ratio	Lower	Upper
70	100		
42	91.2	49.7	74.5#
101	0.0	7.0	10.4#
130	0.0	14.3	21.5#

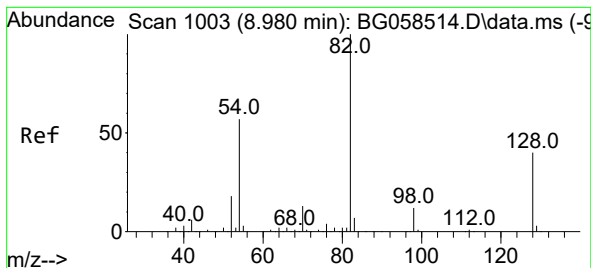


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Tgt Ion: 136 Resp: 183142

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	27.0	8.9	13.3#
68	14.3	5.6	8.4#





#23

Nitrobenzene-d5

Concen: 118.500 ng

RT: 8.981 min Scan# 110

Delta R.T. 0.000 min

Lab File: BG058535.D

Acq: 29 Jul 2023 2:36

Instrument :

BNA_G

ClientSampleId :

EFF-WW

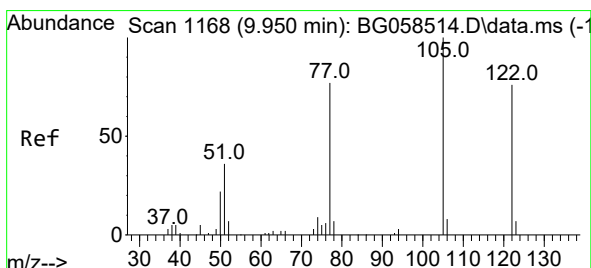
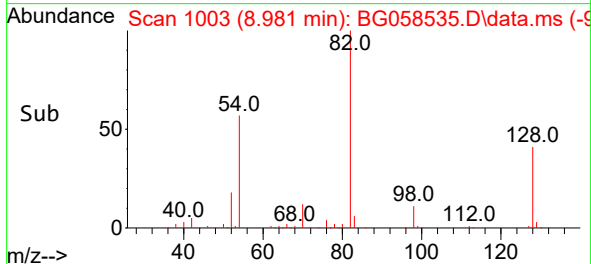
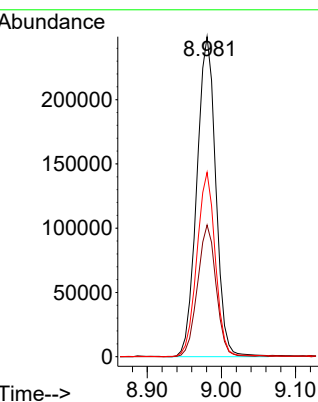
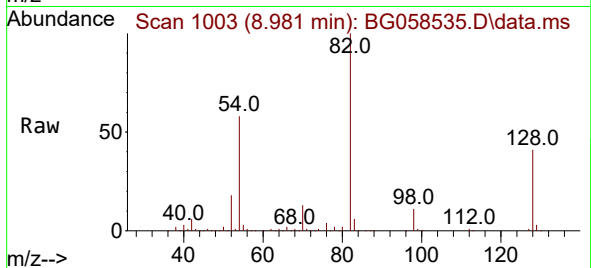
Tgt Ion: 82 Resp: 441774

Ion Ratio Lower Upper

82 100

128 41.2 32.2 48.2

54 57.6 46.0 69.0



#32

Benzoic acid

Concen: 4.760 ng

RT: 10.062 min Scan# 1187

Delta R.T. 0.112 min

Lab File: BG058535.D

Acq: 29 Jul 2023 2:36

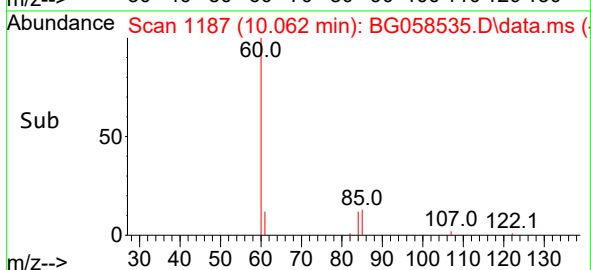
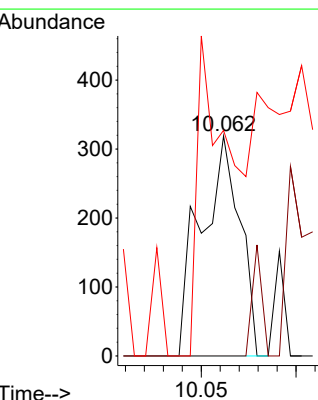
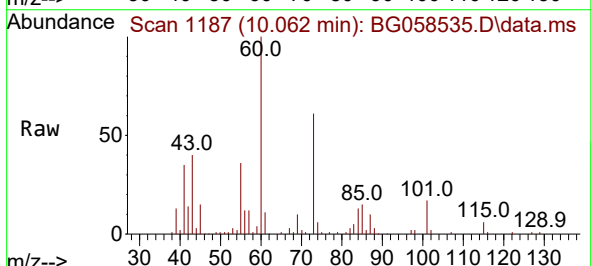
Tgt Ion:122 Resp: 457

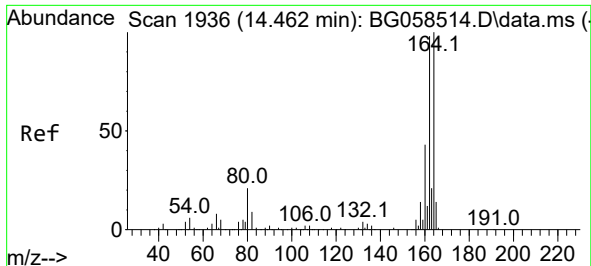
Ion Ratio Lower Upper

122 100

105 0.0 106.5 146.5#

77 102.5 78.1 118.1

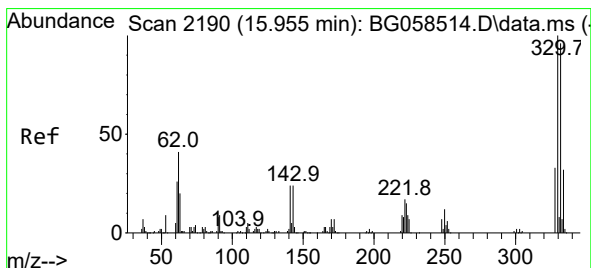
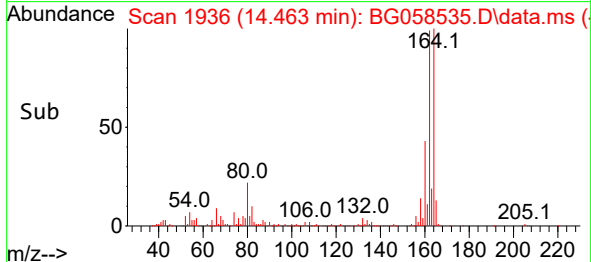
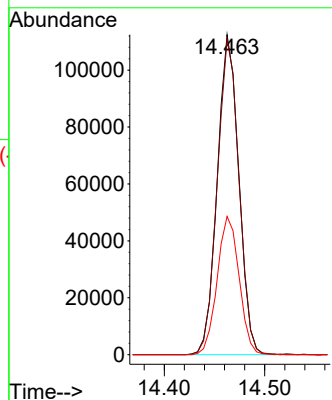
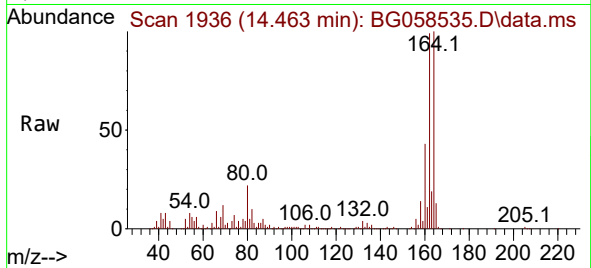




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

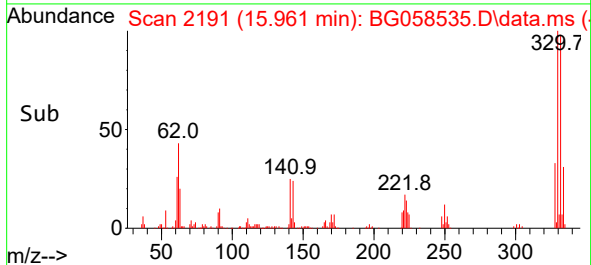
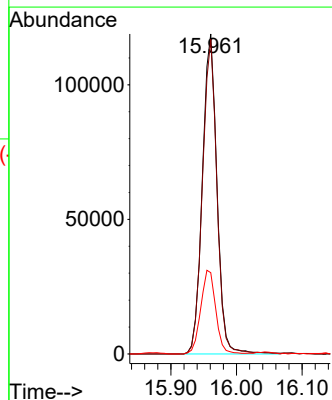
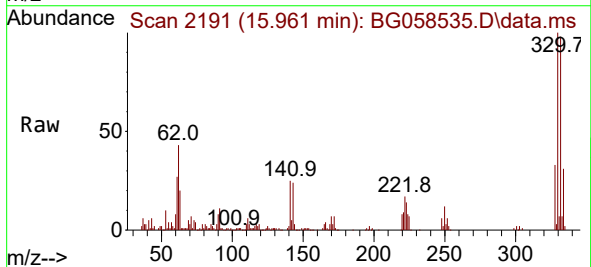
Instrument :
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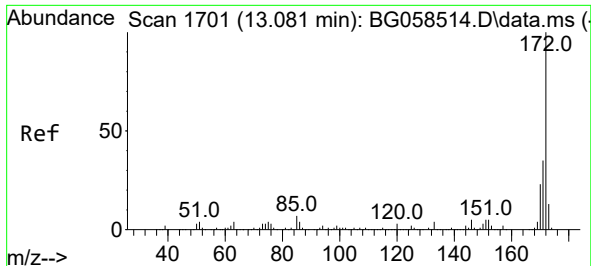
Tgt Ion:164 Resp: 167454
Ion Ratio Lower Upper
164 100
162 98.6 78.3 117.5
160 43.2 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 67.083 ng
RT: 15.961 min Scan# 2191
Delta R.T. 0.006 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Tgt Ion:330 Resp: 184123
Ion Ratio Lower Upper
330 100
332 97.4 77.5 116.3
141 26.9 20.7 31.1

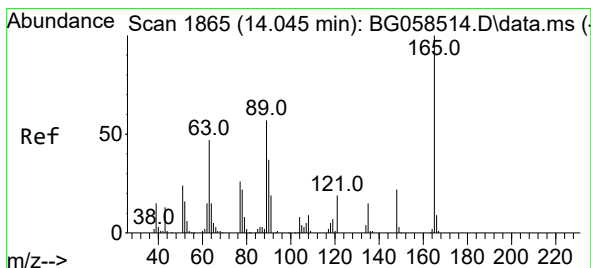
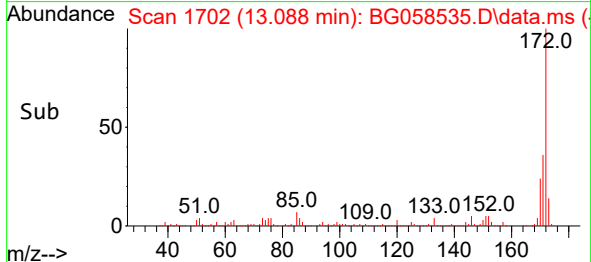
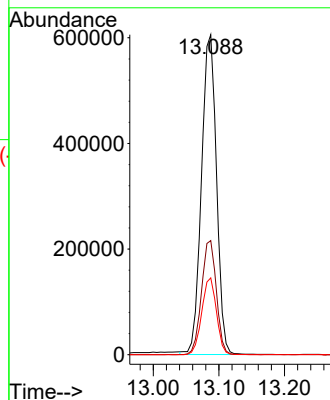
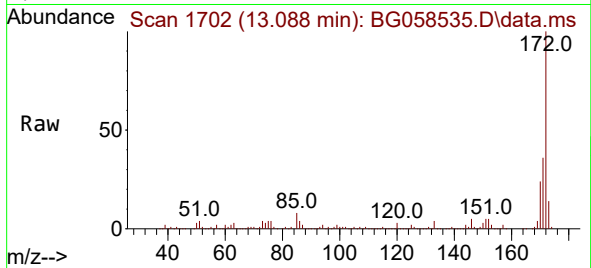




#45
2-Fluorobiphenyl
Concen: 86.459 ng
RT: 13.088 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

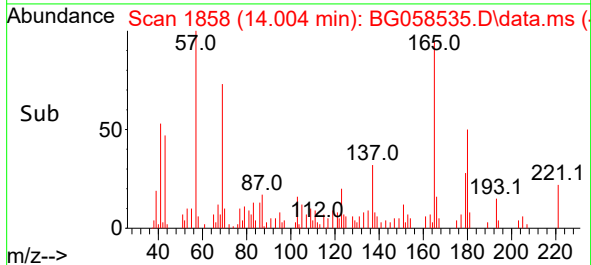
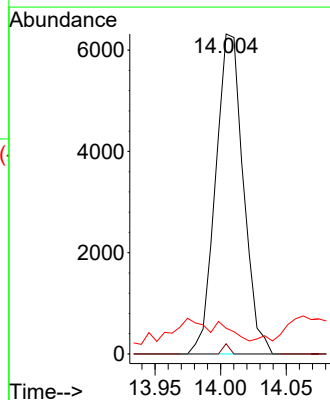
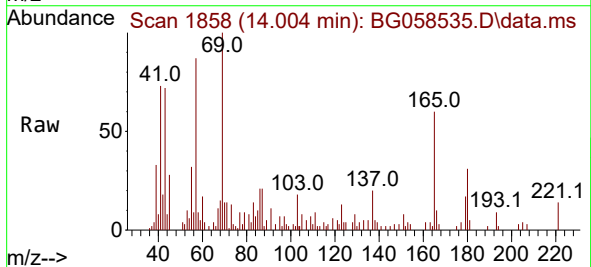
Instrument :
BNA_G
ClientSampleId :
EFF-WW

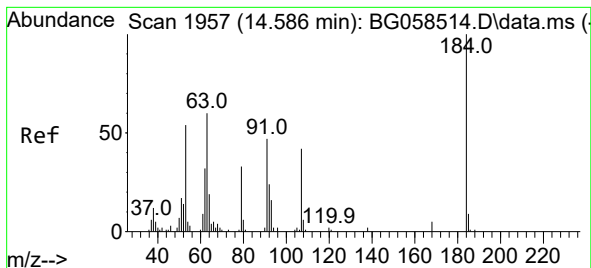
Tgt Ion:172 Resp: 966105
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 24.0 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 3.358 ng
RT: 14.004 min Scan# 1858
Delta R.T. -0.041 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Tgt Ion:165 Resp: 9267
Ion Ratio Lower Upper
165 100
63 3.2 46.4 69.6#
89 8.0 45.3 67.9#

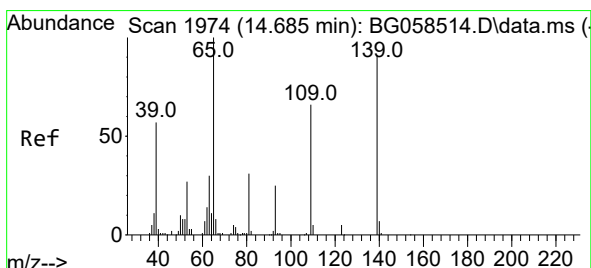
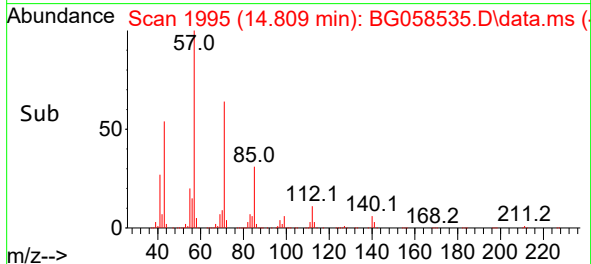
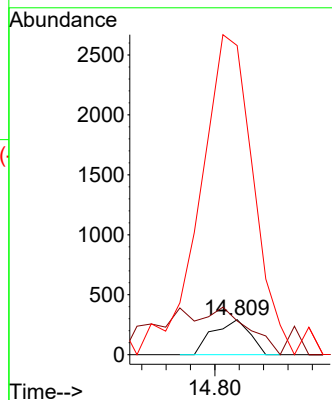
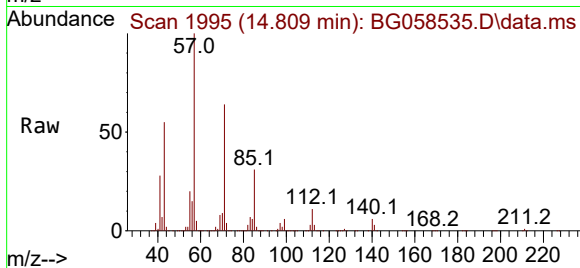




#54
2,4-Dinitrophenol
Concen: 7.662 ng
RT: 14.809 min Scan# 1941
Delta R.T. 0.223 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

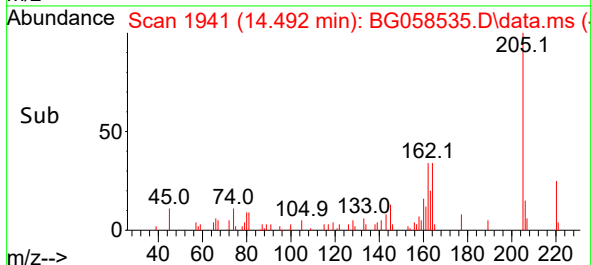
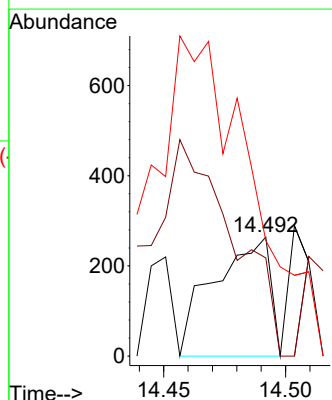
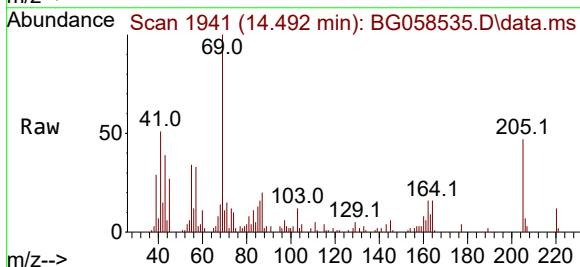
Instrument :
BNA_G
ClientSampleId :
EFF-WW

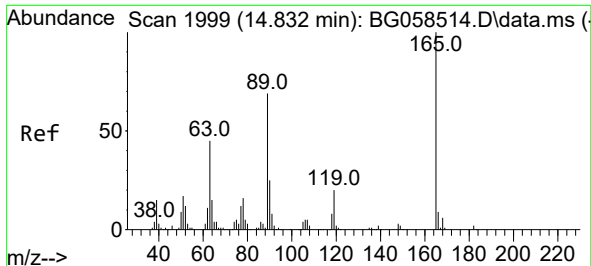
Tgt Ion:184 Resp: 304
Ion Ratio Lower Upper
184 100
63 96.6 56.7 85.1#
154 882.9 46.1 69.1#



#56
4-Nitrophenol
Concen: 3.523 ng
RT: 14.492 min Scan# 1941
Delta R.T. -0.193 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Tgt Ion:139 Resp: 423
Ion Ratio Lower Upper
139 100
109 82.6 52.5 92.5
65 97.0 90.5 130.5





#57

2,4-Dinitrotoluene

Concen: 5.757 ng

RT: 14.463 min Scan# 1999

Delta R.T. -0.369 min

Lab File: BG058535.D

Acq: 29 Jul 2023 2:36

Instrument :

BNA_G

ClientSampleId :

EFF-WW

Tgt Ion:165 Resp: 22023

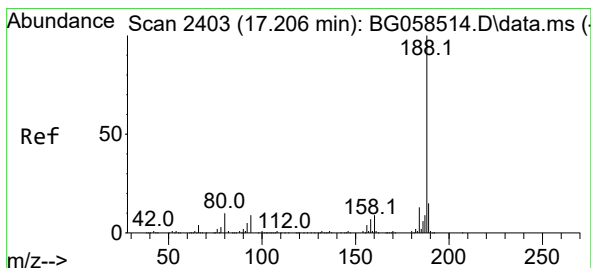
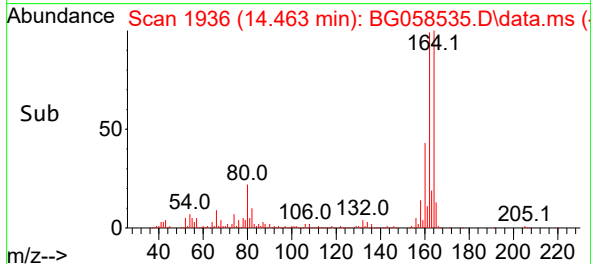
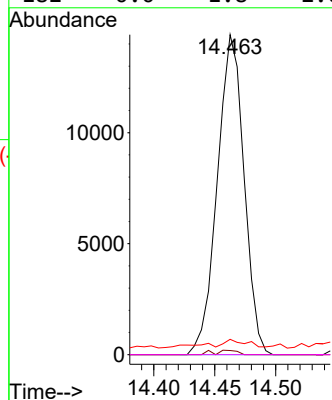
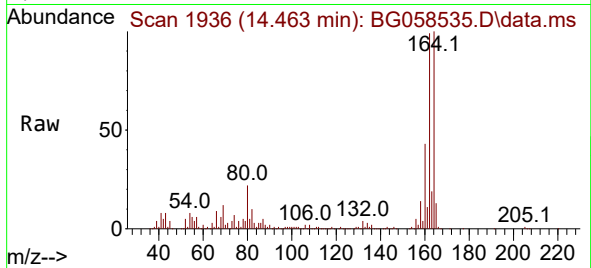
Ion Ratio Lower Upper

165 100

63 1.3 36.6 54.8#

89 4.8 55.4 83.0#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.212 min Scan# 2404

Delta R.T. 0.006 min

Lab File: BG058535.D

Acq: 29 Jul 2023 2:36

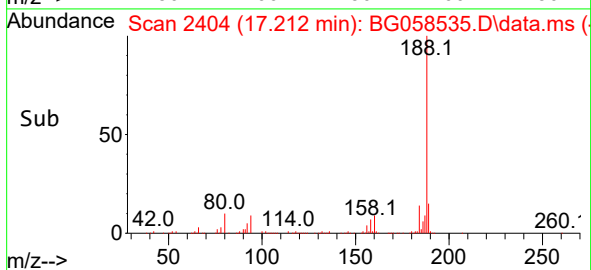
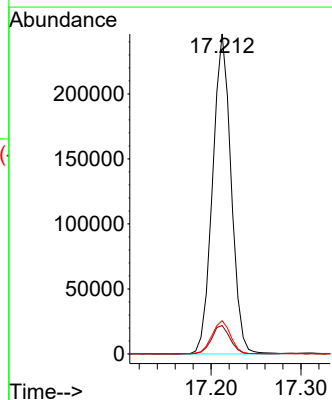
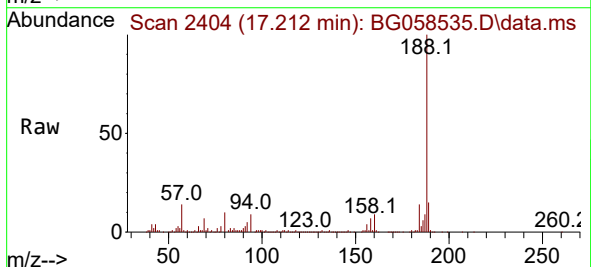
Tgt Ion:188 Resp: 352068

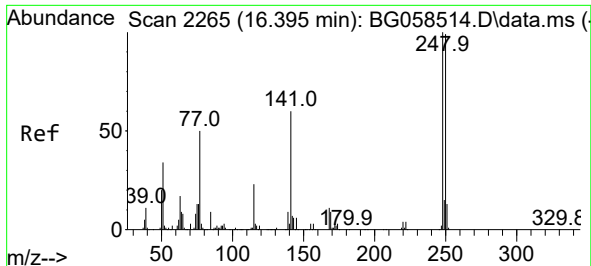
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

80 10.4 8.1 12.1

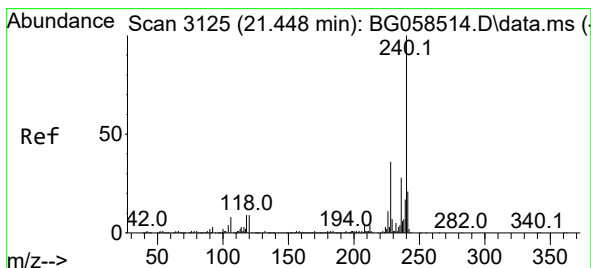
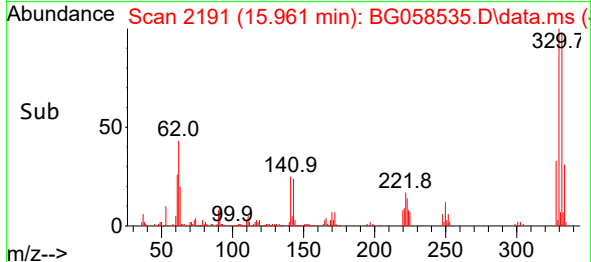
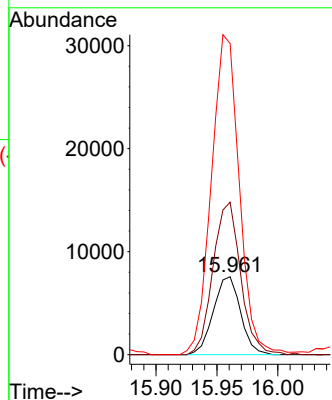
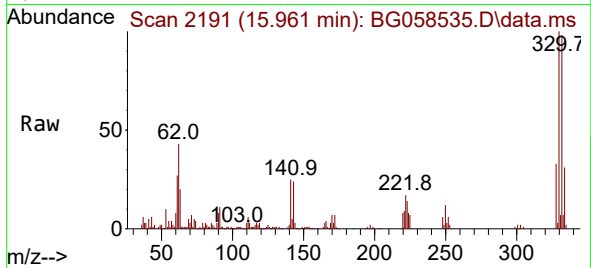




#67
4-Bromophenyl-phenylether
Concen: 2.939 ng
RT: 15.961 min Scan# 211
Delta R.T. -0.434 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

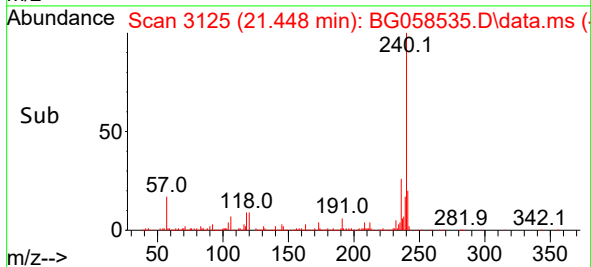
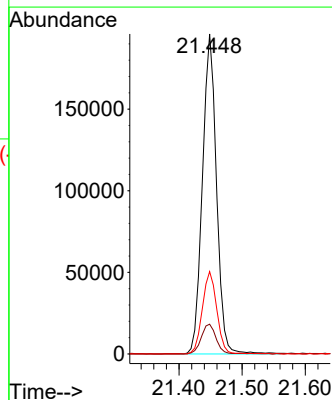
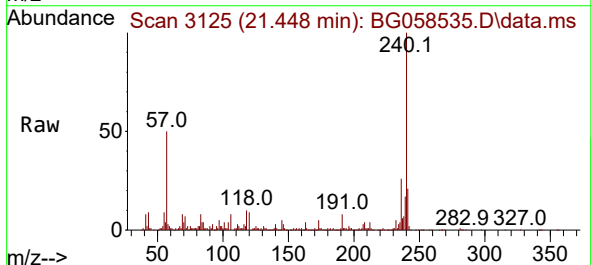
Instrument :
BNA_G
ClientSampleId :
EFF-WW

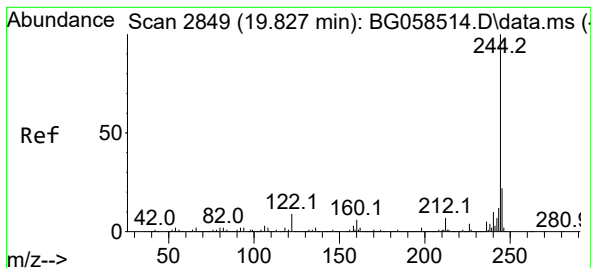
Tgt Ion:248 Resp: 11738
Ion Ratio Lower Upper
248 100
250 195.9 79.5 119.3#
141 399.7 48.2 72.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BG058535.D
Acq: 29 Jul 2023 2:36

Tgt Ion:240 Resp: 303690
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 25.8 22.2 33.4





#79

Terphenyl-d14

Concen: 87.138 ng

RT: 19.827 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG058535.D

Acq: 29 Jul 2023 2:36

Instrument :

BNA_G

ClientSampleId :

EFF-WW

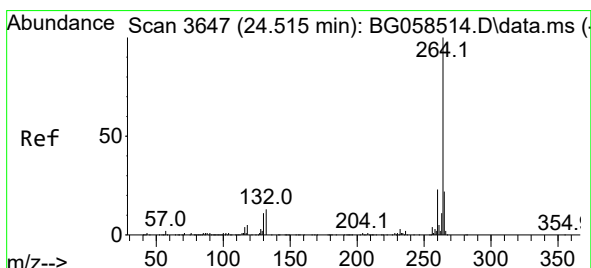
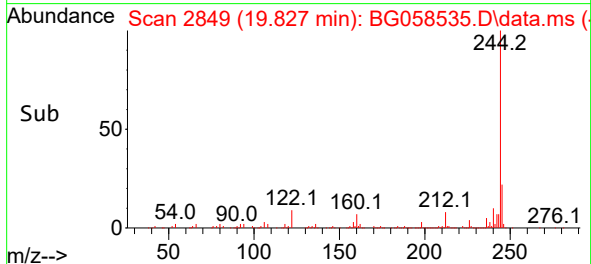
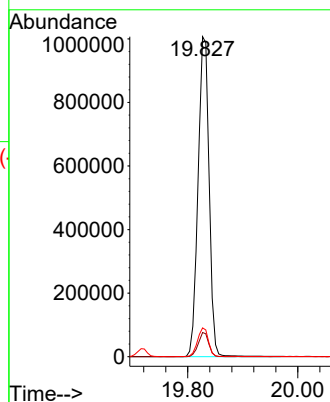
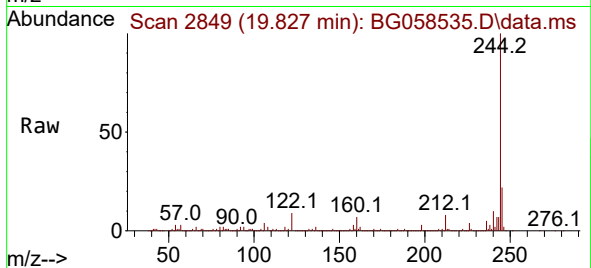
Tgt Ion:244 Resp: 1407215

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 9.0 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.521 min Scan# 3648

Delta R.T. 0.006 min

Lab File: BG058535.D

Acq: 29 Jul 2023 2:36

Tgt Ion:264 Resp: 392843

Ion Ratio Lower Upper

264 100

260 22.3 18.4 27.6

265 21.6 17.9 26.9

