

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054388.D
 Acq On : 25 Jul 2022 20:51
 Operator : CG/JU
 Sample : N3855-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-072222

Quant Time: Jul 26 00:55:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

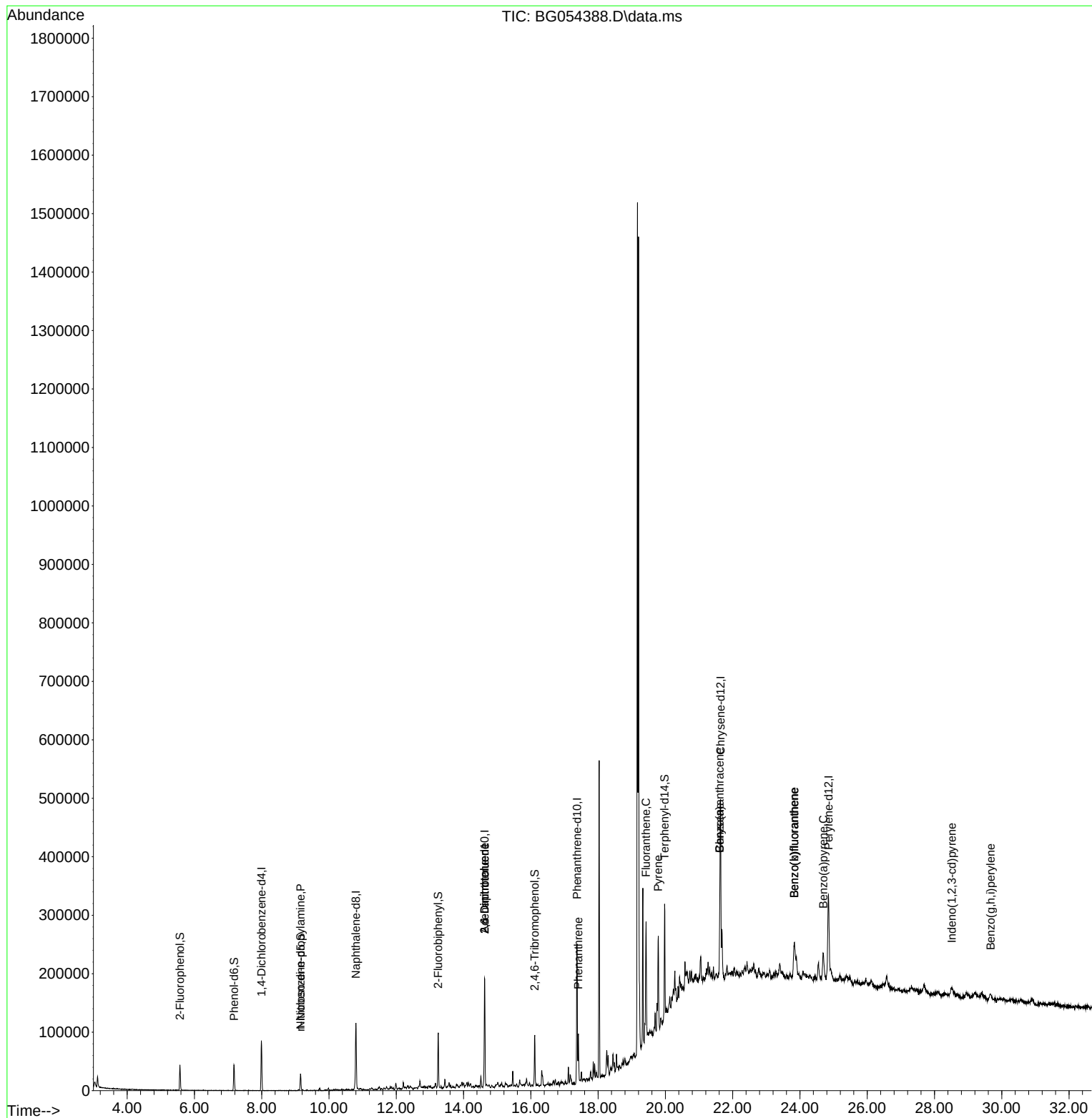
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.991	152	26821	20.000	ng	0.00
21) Naphthalene-d8	10.799	136	101266	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	74109	20.000	ng	0.00
64) Phenanthrene-d10	17.374	188	176831	20.000	ng	# 0.00
76) Chrysene-d12	21.640	240	202450	20.000	ng	# 0.00
86) Perylene-d12	24.848	264	189275	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	20862	16.240	ng	0.00
7) Phenol-d6	7.174	99	27270	15.492	ng	0.00
23) Nitrobenzene-d5	9.154	82	18674	10.042	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	22578	14.510	ng	0.00
45) 2-Fluorobiphenyl	13.249	172	55842	10.630	ng	0.00
79) Terphenyl-d14	19.977	244	112995	11.072	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.160	70	2772	2.358	ng	# 63
51) 2,6-Dinitrotoluene	14.624	165	10170	8.010	ng	# 16
57) 2,4-Dinitrotoluene	14.624	165	10170	5.587	ng	# 21
71) Phenanthrene	17.415	178	59808	6.792	ng	98
75) Fluoranthene	19.425	202	124294	10.354	ng	95
78) Pyrene	19.789	202	115020	9.901	ng	97
81) Benzo(a)anthracene	21.616	228	69652	5.420	ng	94
83) Chrysene	21.616	228	69652	5.737	ng	96
87) Indeno(1,2,3-cd)pyrene	28.514	276	30785	2.138	ng	# 74
88) Benzo(b)fluoranthene	23.831	252	84540	7.553	ng	# 92
89) Benzo(k)fluoranthene	23.831	252	84540	7.589	ng	# 93
90) Benzo(a)pyrene	24.695	252	60496	6.328	ng	# 92
92) Benzo(g,h,i)perylene	29.671	276	26193	2.241	ng	# 84

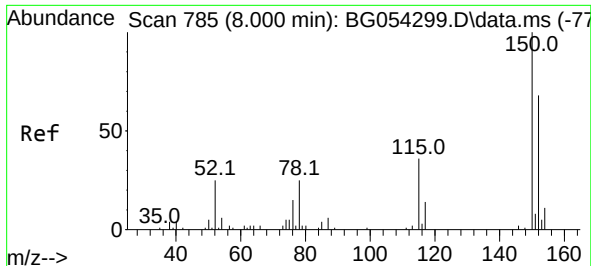
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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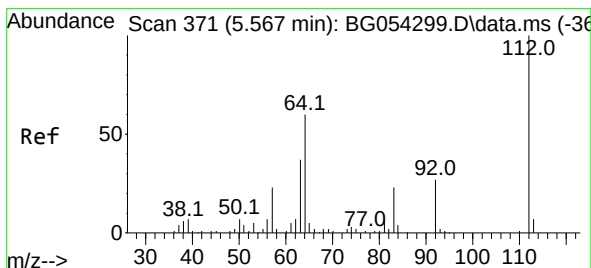
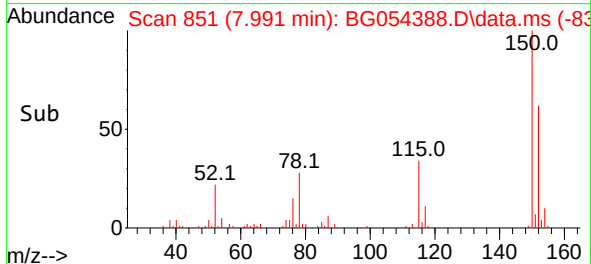
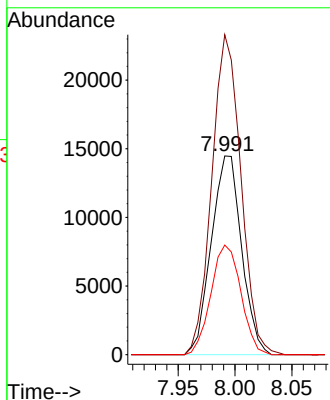
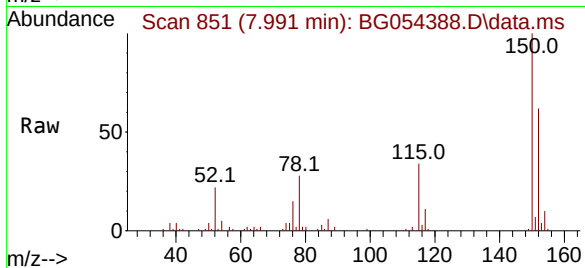




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.991 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

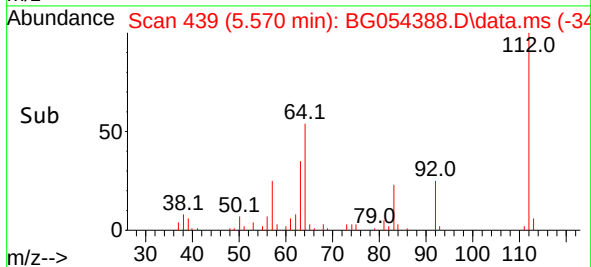
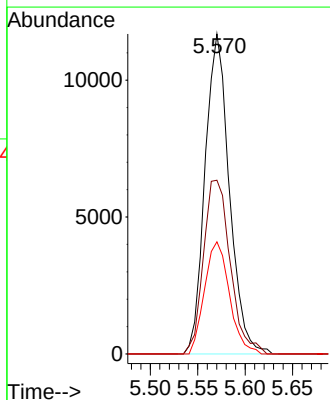
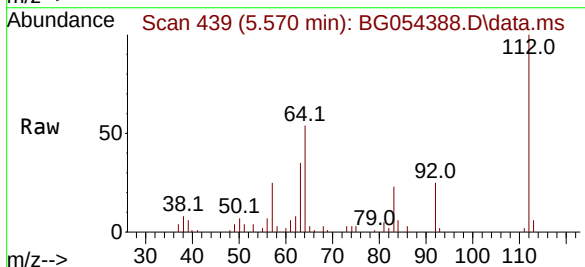
Instrument :
BNA_G
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EO-03-072222

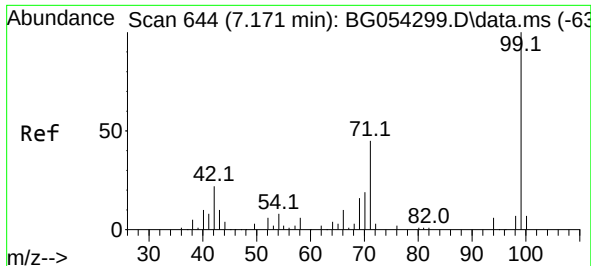
Tgt Ion:152 Resp: 26821
Ion Ratio Lower Upper
152 100
150 161.0 131.6 197.4
115 55.2 50.9 76.3



#5
2-Fluorophenol
Concen: 16.240 ng
RT: 5.570 min Scan# 439
Delta R.T. 0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Tgt Ion:112 Resp: 20862
Ion Ratio Lower Upper
112 100
64 54.3 55.1 82.7#
63 35.0 30.4 45.6

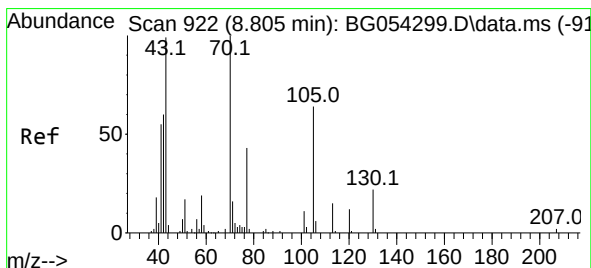
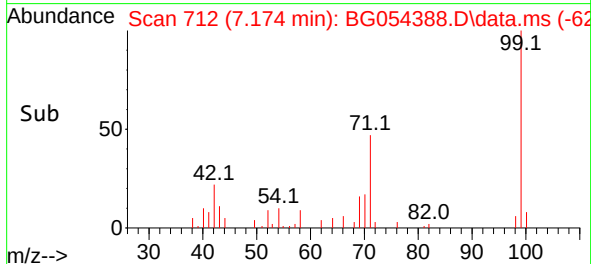
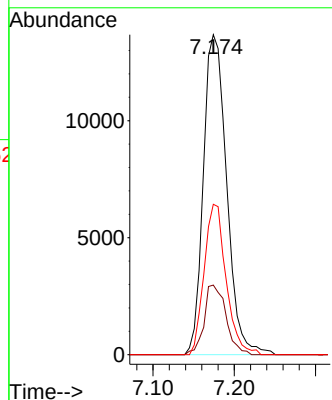
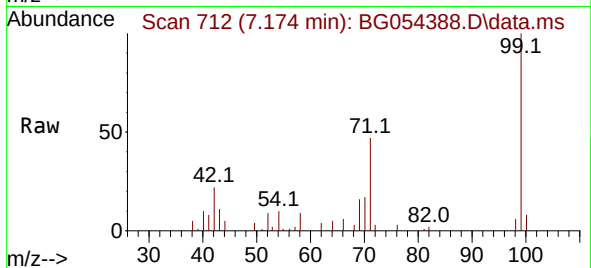




#7
Phenol-d6
Concen: 15.492 ng
RT: 7.174 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

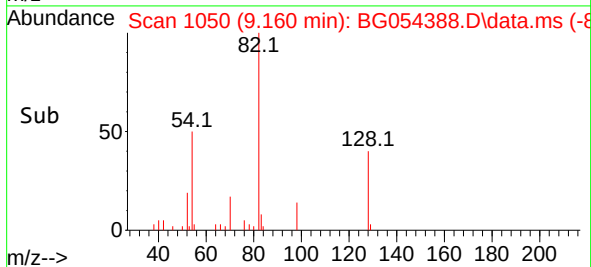
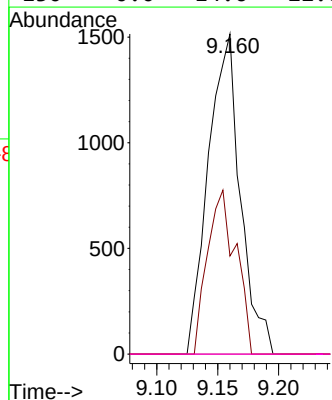
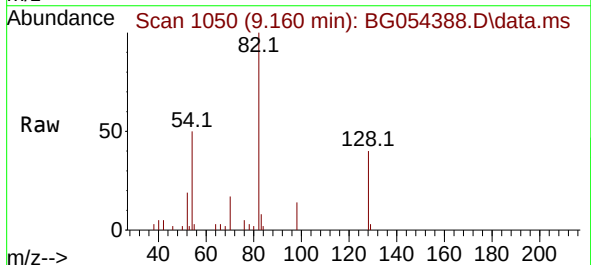
Instrument :
BNA_G
ClientSampleId :
EO-03-072222

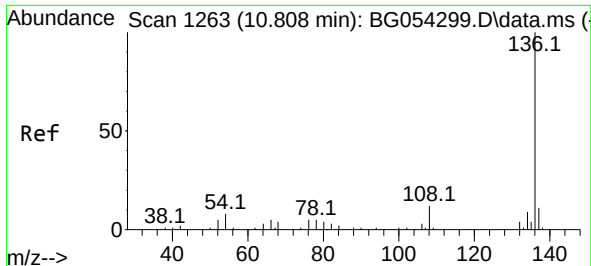
Tgt Ion: 99 Resp: 27270
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 47.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.358 ng
RT: 9.160 min Scan# 1050
Delta R.T. 0.355 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Tgt Ion: 70 Resp: 2772
Ion Ratio Lower Upper
70 100
42 30.6 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

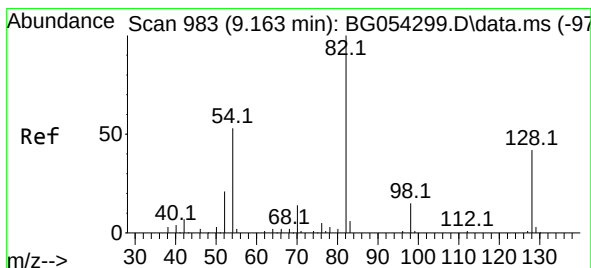
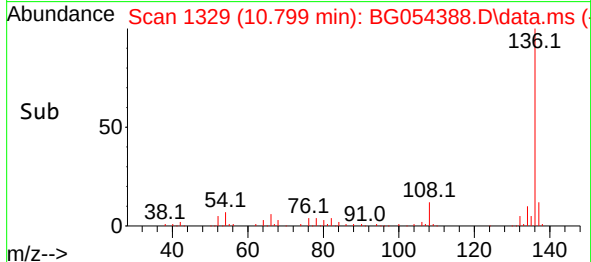
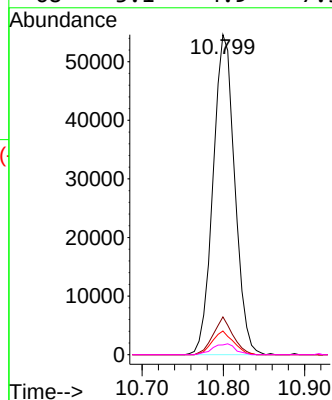
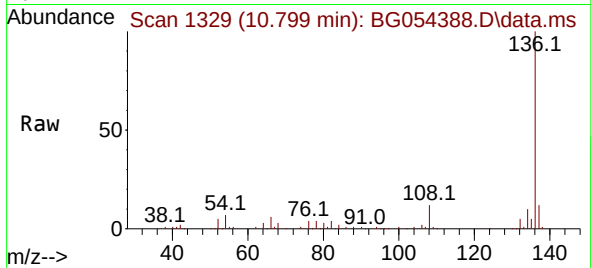




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.799 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

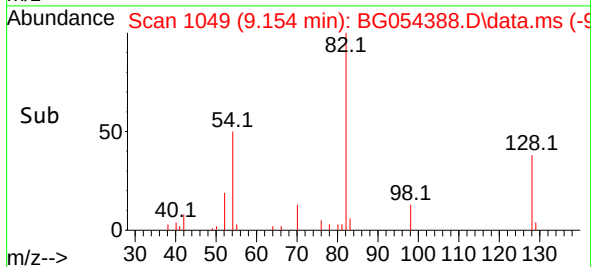
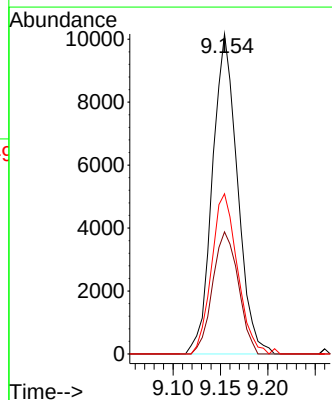
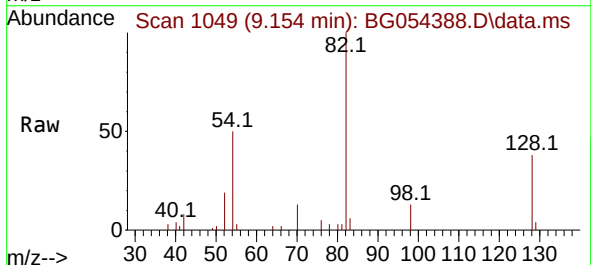
Instrument :
BNA_G
ClientSampleId :
EO-03-072222

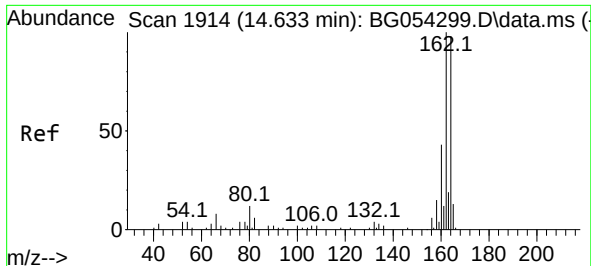
Tgt Ion:	136	Resp:	101266
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.5	12.7
54	7.4	7.4	11.2#
68	3.1	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 10.042 ng
RT: 9.154 min Scan# 1049
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Tgt Ion:	82	Resp:	18674
Ion	Ratio	Lower	Upper
82	100		
128	38.1	27.9	41.9
54	50.1	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.624 min Scan# 11

Delta R.T. -0.009 min

Lab File: BG054388.D

Acq: 25 Jul 2022 20:51

Instrument :

BNA_G

ClientSampleId :

EO-03-072222

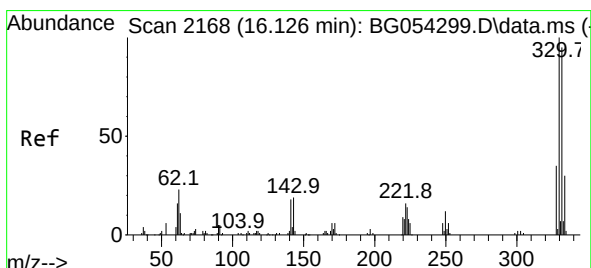
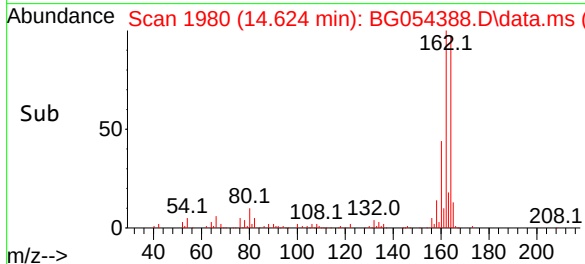
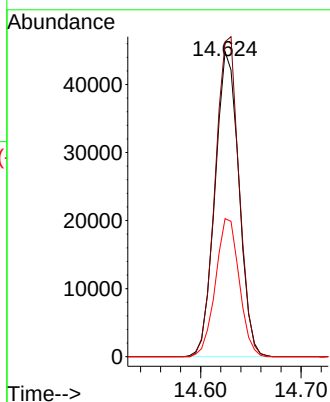
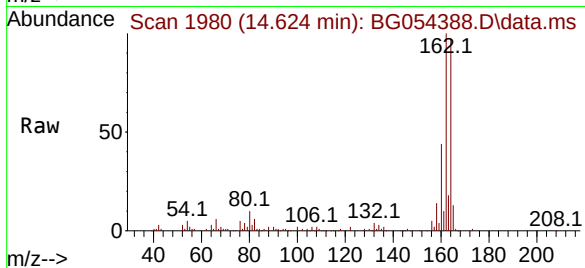
Tgt Ion:164 Resp: 74109

Ion Ratio Lower Upper

164 100

162 103.2 82.3 123.5

160 45.3 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 14.510 ng

RT: 16.117 min Scan# 2234

Delta R.T. -0.009 min

Lab File: BG054388.D

Acq: 25 Jul 2022 20:51

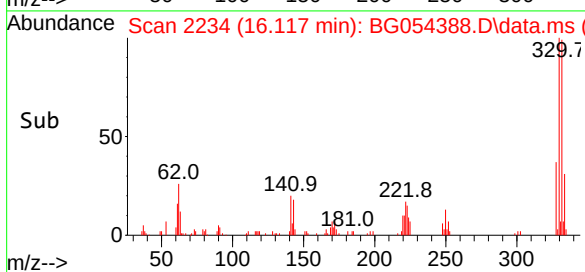
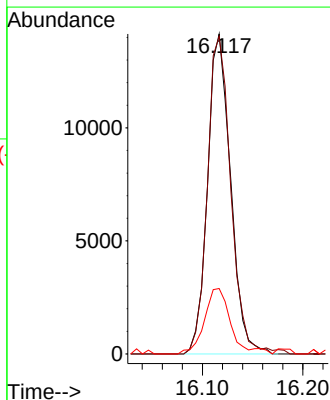
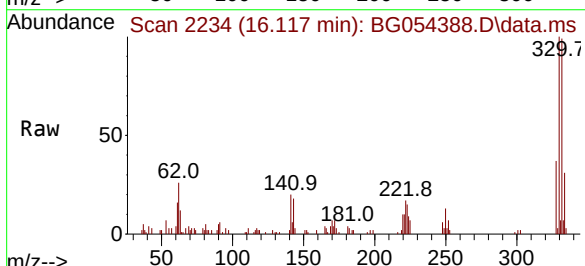
Tgt Ion:330 Resp: 22578

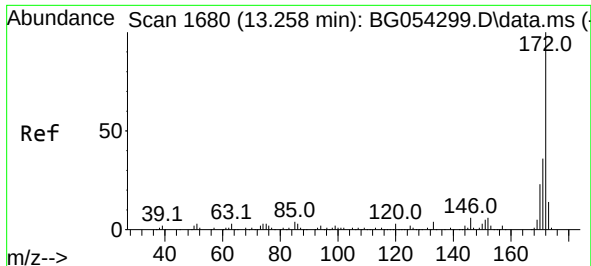
Ion Ratio Lower Upper

330 100

332 101.1 76.0 114.0

141 23.2 27.1 40.7#

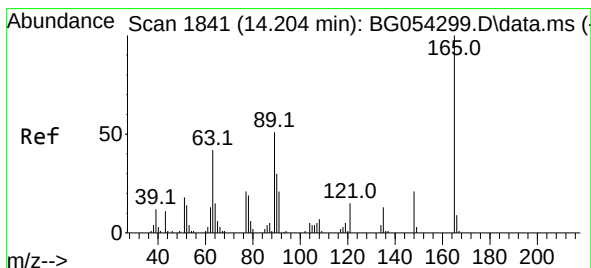
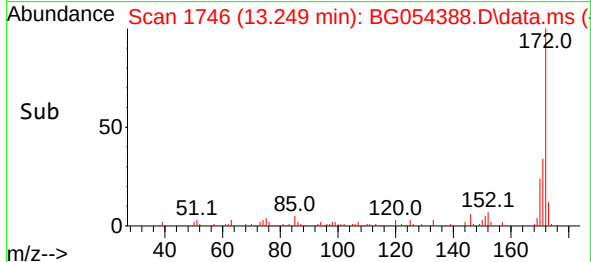
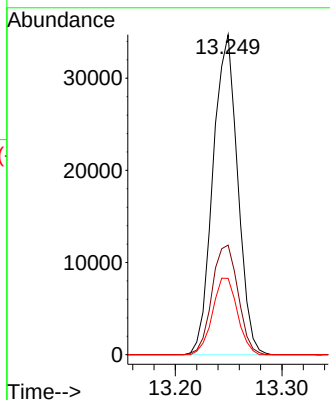
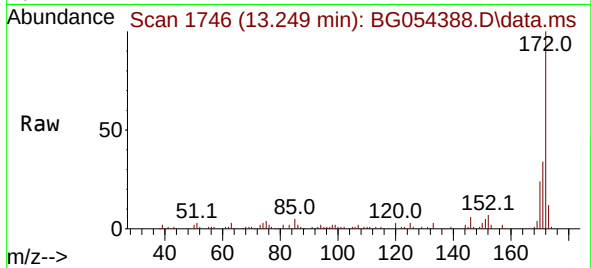




#45
2-Fluorobiphenyl
Concen: 10.630 ng
RT: 13.249 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

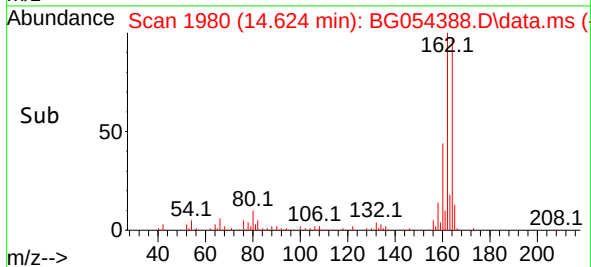
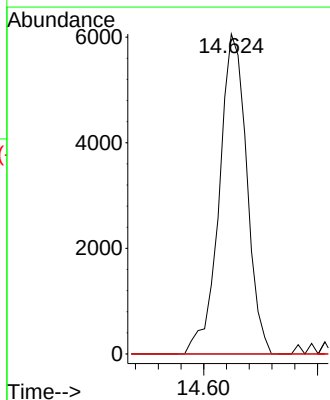
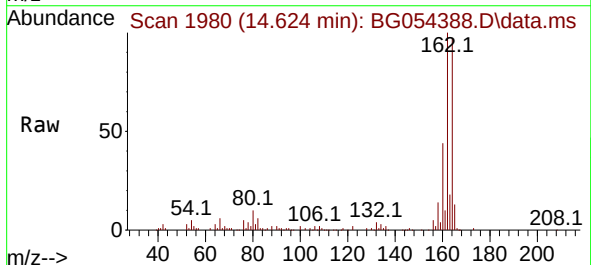
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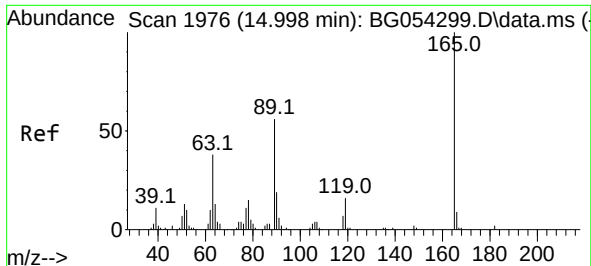
Tgt Ion:172 Resp: 55842
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 23.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.010 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.420 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Tgt Ion:165 Resp: 10170
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.587 ng

RT: 14.624 min Scan# 1976

Delta R.T. -0.373 min

Lab File: BG054388.D

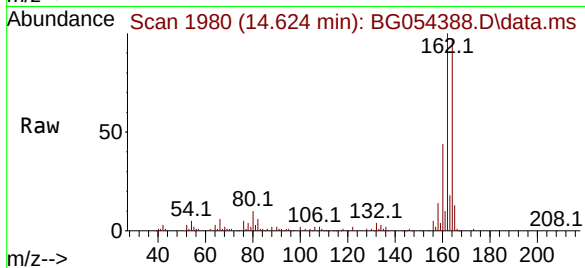
Acq: 25 Jul 2022 20:51

Instrument :

BNA_G

ClientSampleId :

EO-03-072222



Tgt Ion:165 Resp: 10170

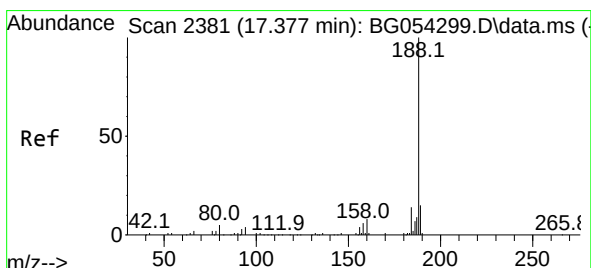
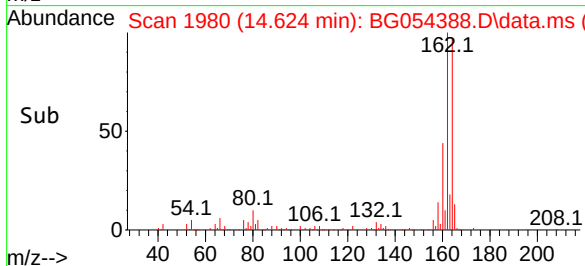
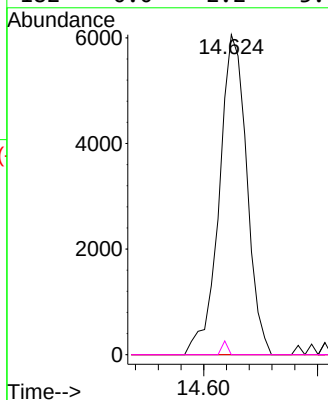
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.374 min Scan# 2448

Delta R.T. -0.003 min

Lab File: BG054388.D

Acq: 25 Jul 2022 20:51

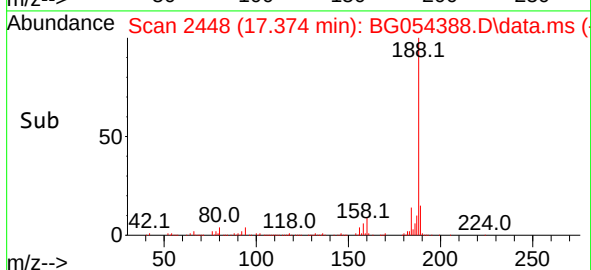
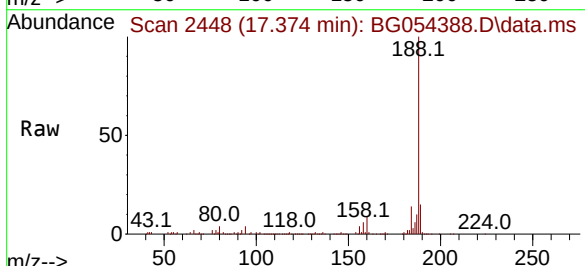
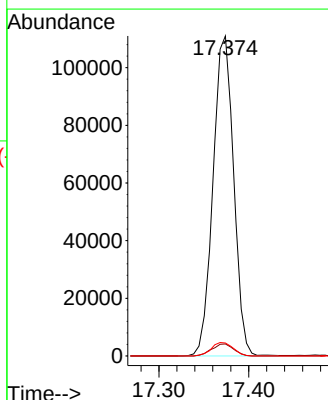
Tgt Ion:188 Resp: 176831

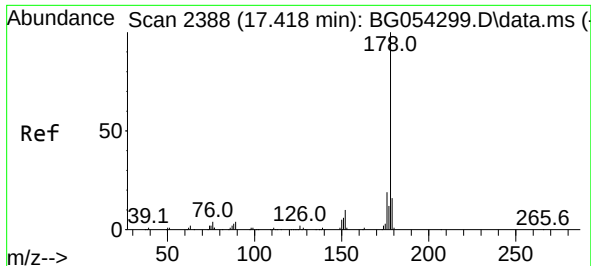
Ion Ratio Lower Upper

188 100

94 3.8 5.4 8.0#

80 4.0 6.8 10.2#

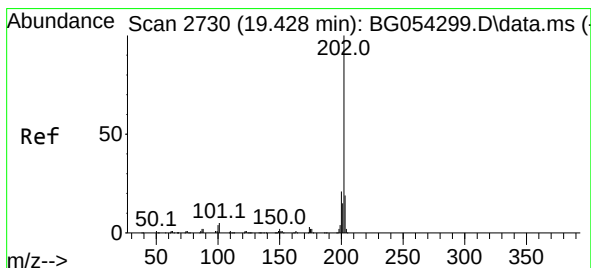
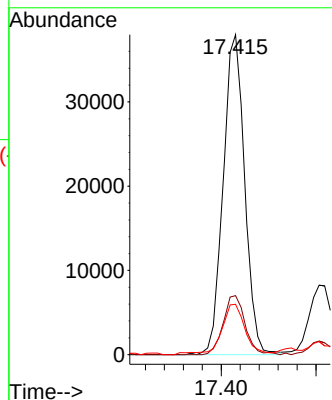
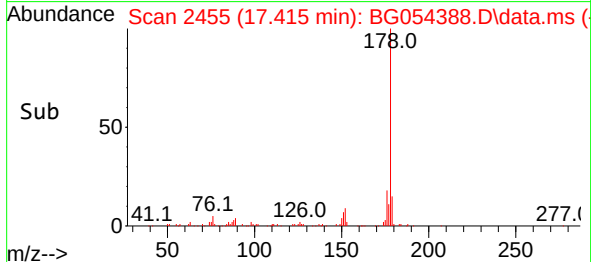
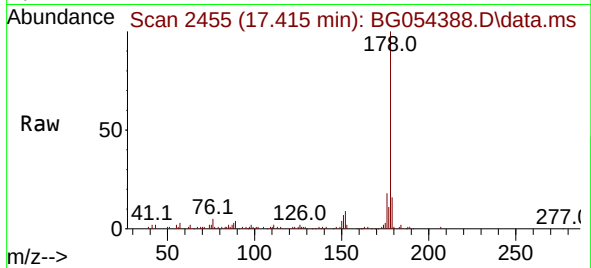




#71
Phenanthrene
Concen: 6.792 ng
RT: 17.415 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

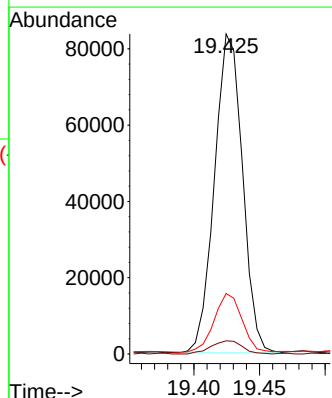
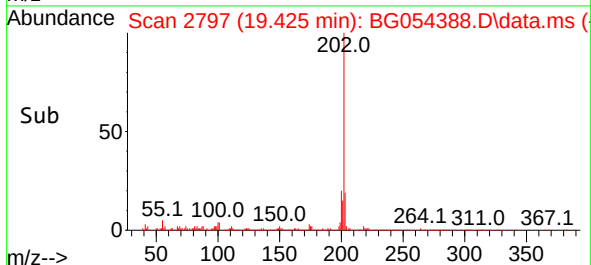
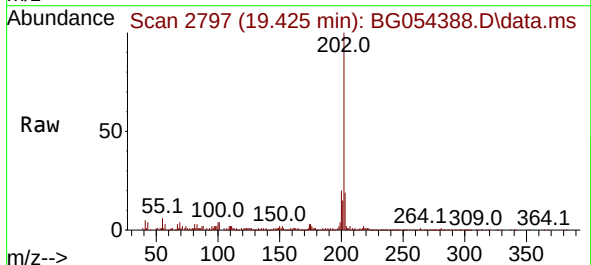
Instrument :
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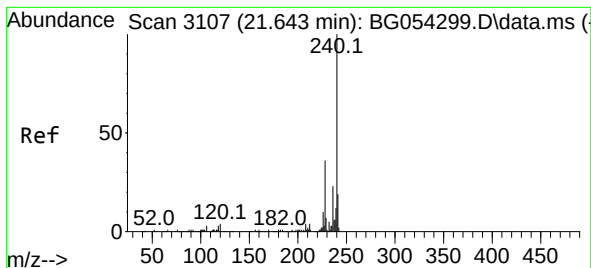
Tgt Ion:178 Resp: 59808
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 15.8 12.1 18.1



#75
Fluoranthene
Concen: 10.354 ng
RT: 19.425 min Scan# 2797
Delta R.T. -0.003 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Tgt Ion:202 Resp: 124294
Ion Ratio Lower Upper
202 100
101 4.1 0.0 26.9
203 18.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.640 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG054388.D

Acq: 25 Jul 2022 20:51

Instrument :

BNA_G

ClientSampleId :

EO-03-072222

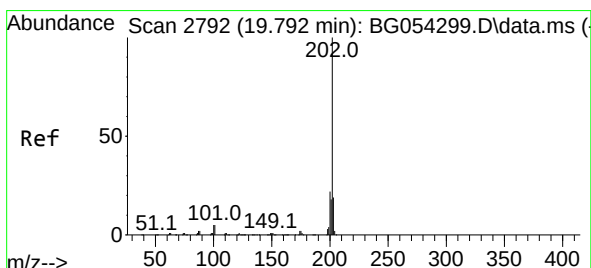
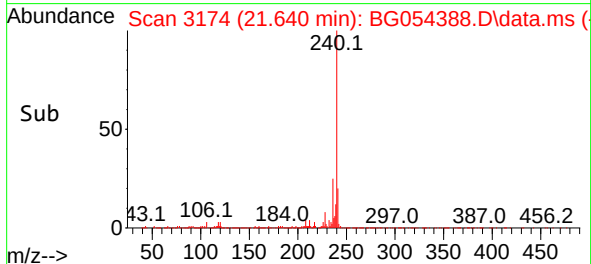
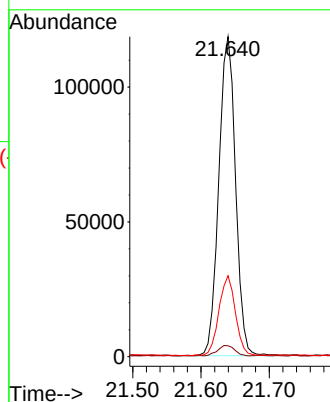
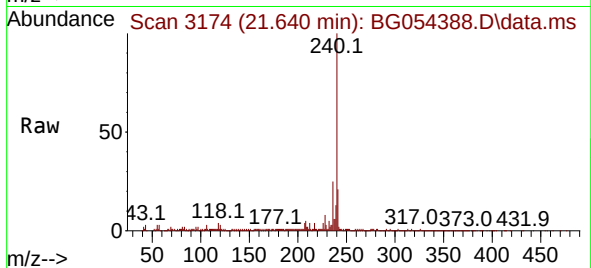
Tgt Ion:240 Resp: 202450

Ion Ratio Lower Upper

240 100

120 3.4 4.6 7.0#

236 25.3 20.2 30.4



#78

Pyrene

Concen: 9.901 ng

RT: 19.789 min Scan# 2859

Delta R.T. -0.003 min

Lab File: BG054388.D

Acq: 25 Jul 2022 20:51

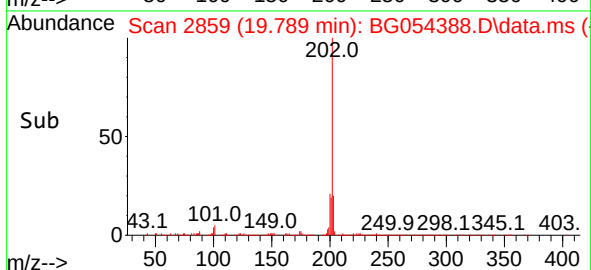
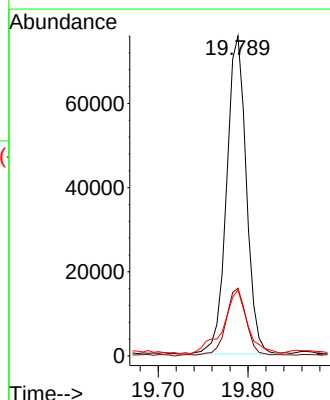
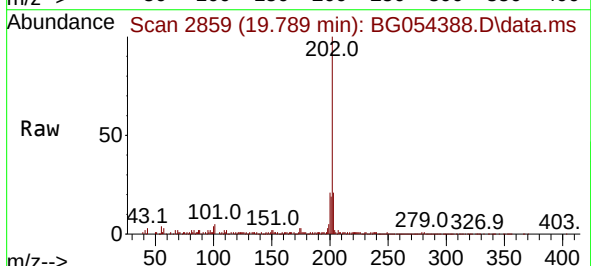
Tgt Ion:202 Resp: 115020

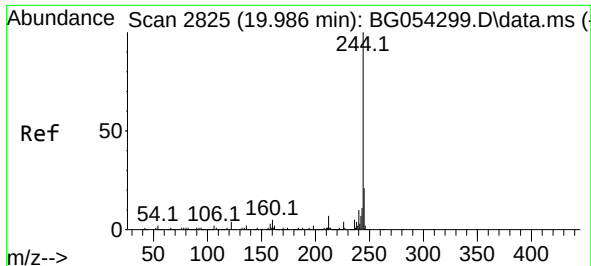
Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

203 20.7 14.6 21.8

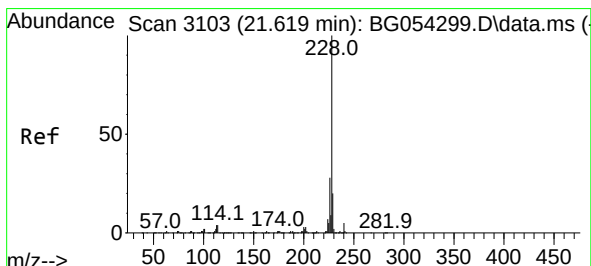
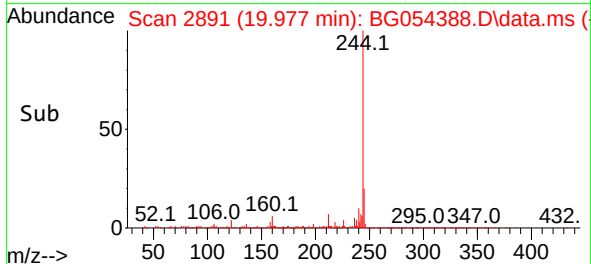
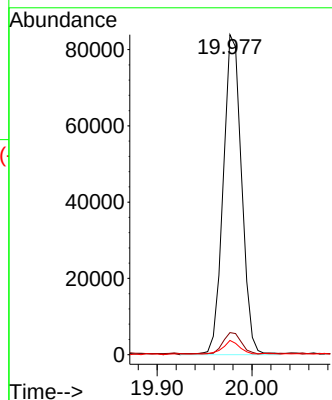
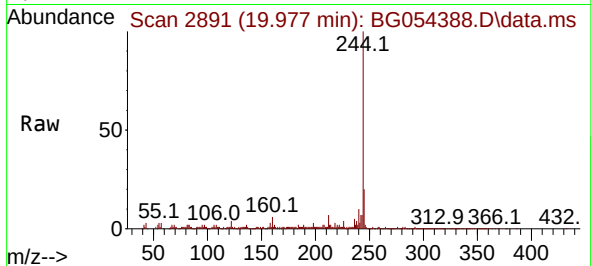




#79
 Terphenyl-d14
 Concen: 11.072 ng
 RT: 19.977 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG054388.D
 Acq: 25 Jul 2022 20:51

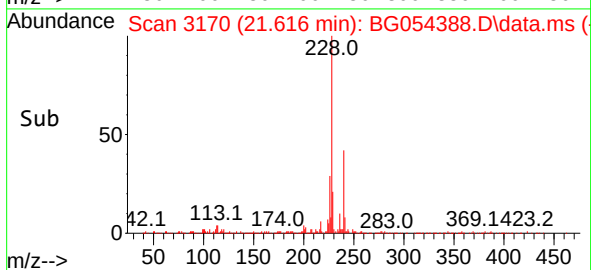
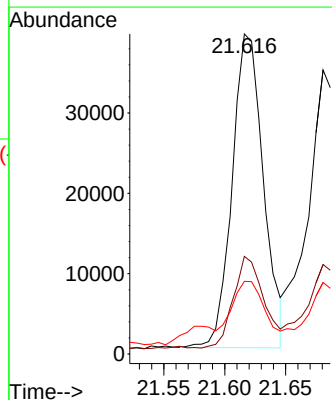
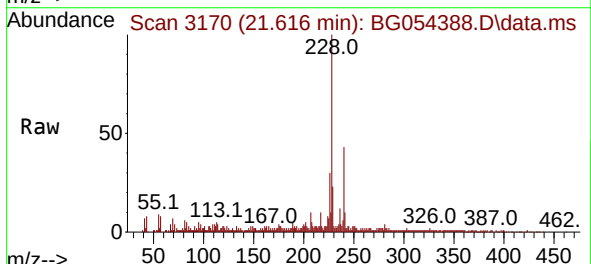
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-072222

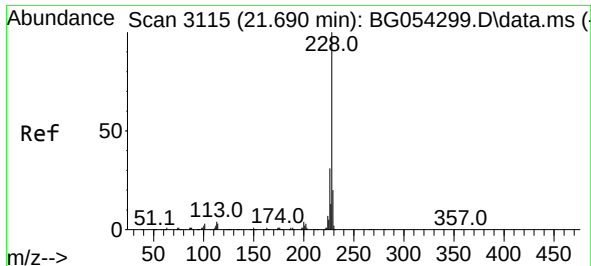
Tgt Ion:244 Resp: 112995
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 5.420 ng
 RT: 21.616 min Scan# 3170
 Delta R.T. -0.003 min
 Lab File: BG054388.D
 Acq: 25 Jul 2022 20:51

Tgt Ion:228 Resp: 69652
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.6 32.4
 229 22.7 16.2 24.2

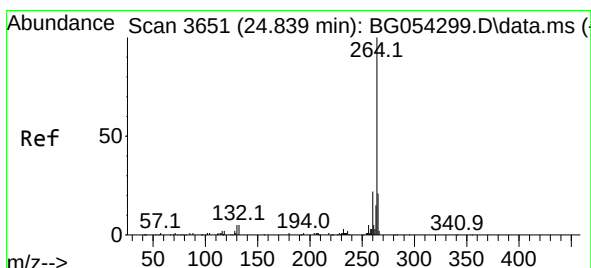
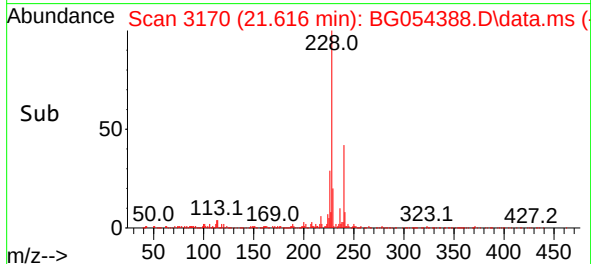
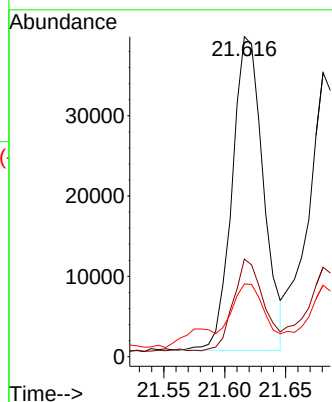
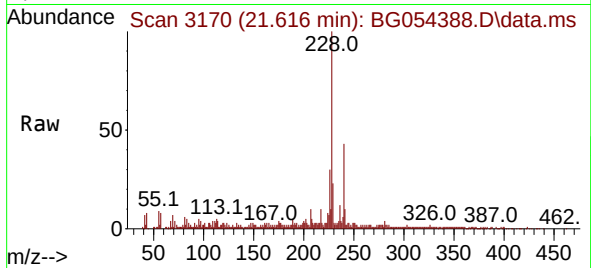




#83
Chrysene
Concen: 5.737 ng
RT: 21.616 min Scan# 3115
Delta R.T. -0.074 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

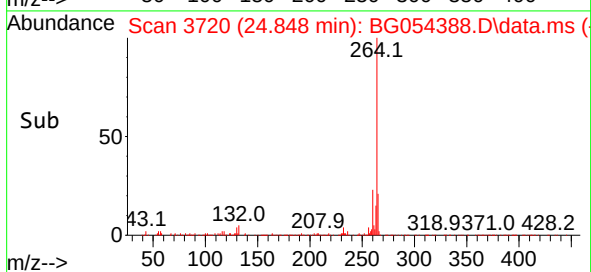
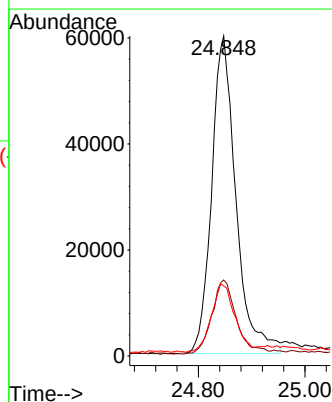
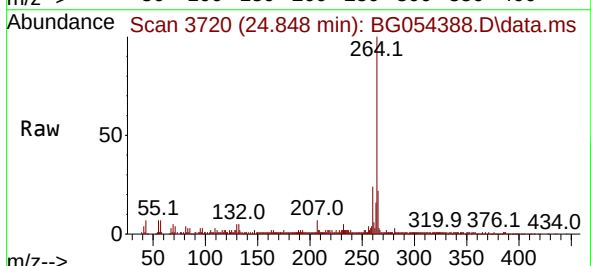
Instrument :
BNA_G
ClientSampleId :
EO-03-072222

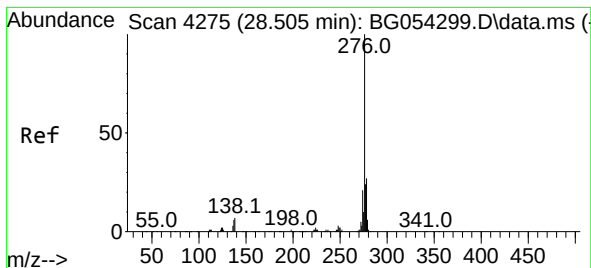
Tgt Ion:228	Resp: 69652
Ion Ratio	Lower Upper
228	100
226	30.5 23.4 35.2
229	22.7 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.848 min Scan# 3720
Delta R.T. 0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Tgt Ion:264	Resp: 189275
Ion Ratio	Lower Upper
264	100
260	23.8 19.0 28.6
265	21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.138 ng

RT: 28.514 min Scan# 41

Delta R.T. 0.009 min

Lab File: BG054388.D

Acq: 25 Jul 2022 20:51

Instrument :

BNA_G

ClientSampleId :

EO-03-072222

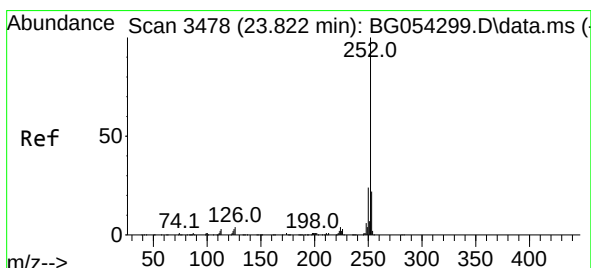
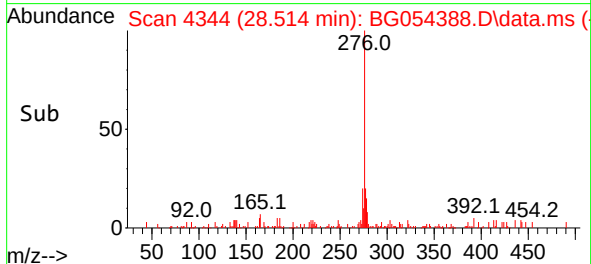
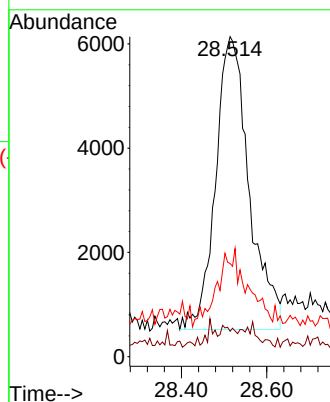
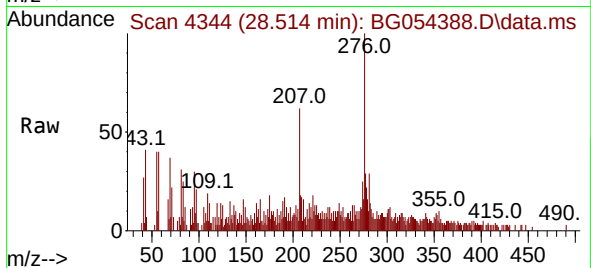
Tgt Ion:276 Resp: 30785

Ion Ratio Lower Upper

276 100

138 0.0 5.0 7.4#

277 11.5 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 7.553 ng

RT: 23.831 min Scan# 3547

Delta R.T. 0.009 min

Lab File: BG054388.D

Acq: 25 Jul 2022 20:51

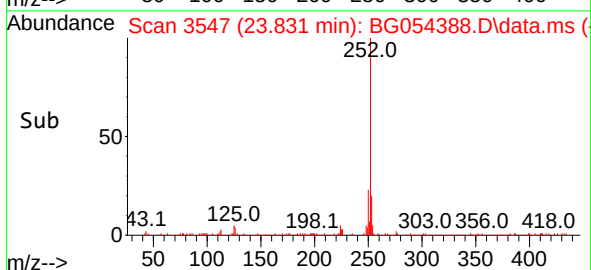
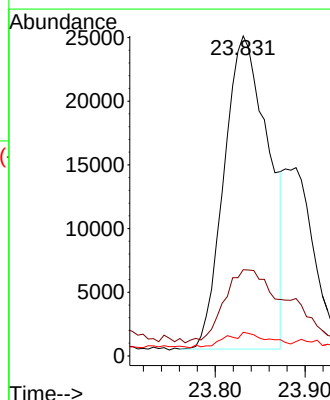
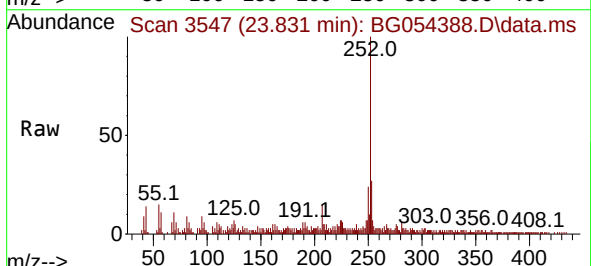
Tgt Ion:252 Resp: 84540

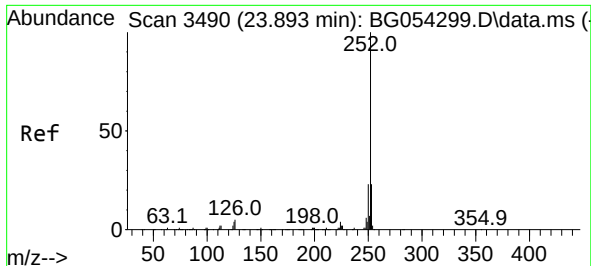
Ion Ratio Lower Upper

252 100

253 27.0 18.0 27.0

125 7.4 4.6 6.8#

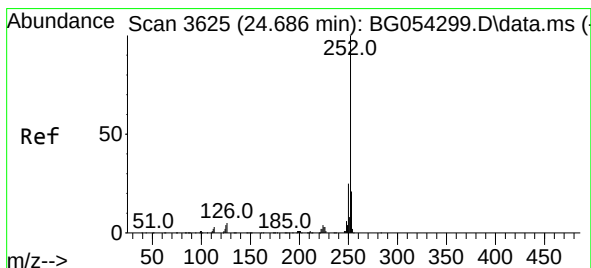
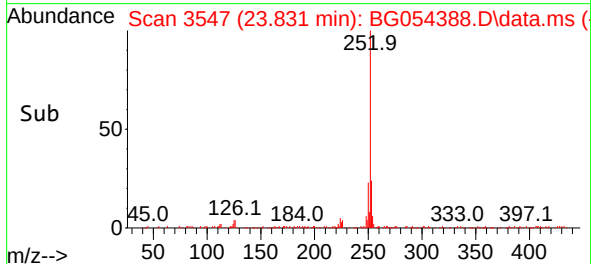
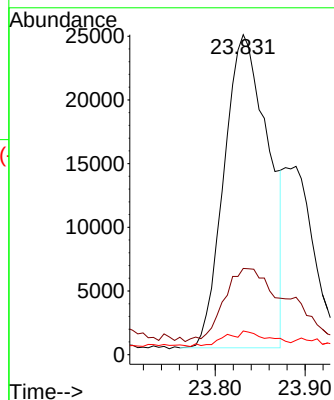
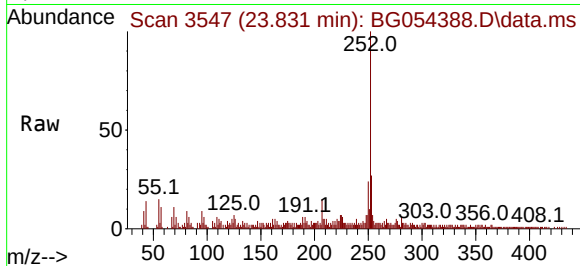




#89
Benzo(k)fluoranthene
Concen: 7.589 ng
RT: 23.831 min Scan# 3547
Delta R.T. -0.062 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

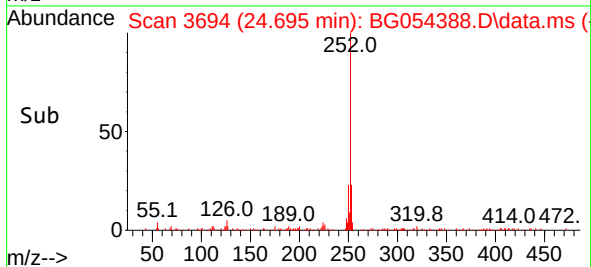
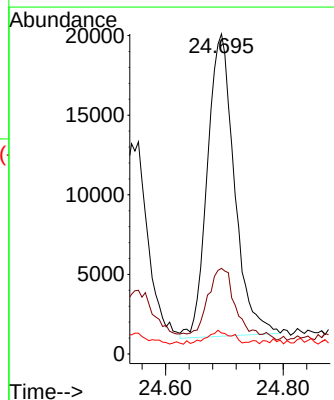
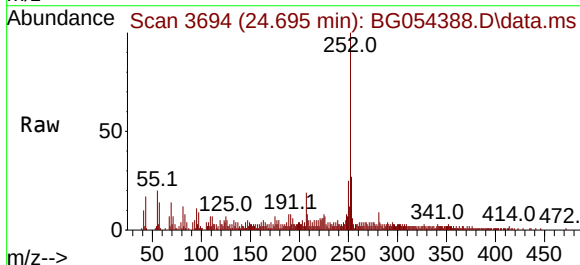
Instrument :
BNA_G
ClientSampleId :
EO-03-072222

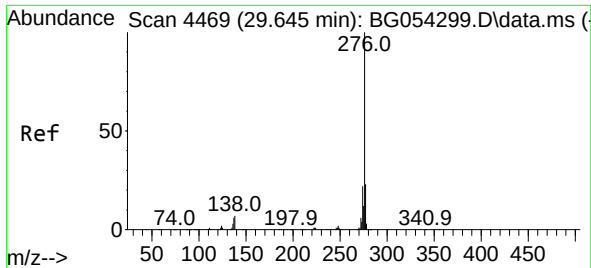
Tgt Ion:252 Resp: 84540
Ion Ratio Lower Upper
252 100
253 27.0 18.4 27.6
125 7.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 6.328 ng
RT: 24.695 min Scan# 3694
Delta R.T. 0.009 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

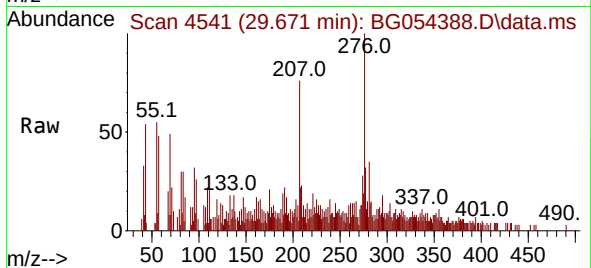
Tgt Ion:252 Resp: 60496
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8
125 6.5 4.3 6.5#





#92
Benzo(g,h,i)perylene
Concen: 2.241 ng
RT: 29.671 min Scan# 4
Delta R.T. 0.026 min
Lab File: BG054388.D
Acq: 25 Jul 2022 20:51

Instrument :
BNA_G
ClientSampleId :
EO-03-072222



Tgt Ion:276 Resp: 26193
Ion Ratio Lower Upper
276 100
277 32.1 17.3 25.9#
138 9.6 9.6 14.4

