

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072222\
 Data File : BG054367.D
 Acq On : 22 Jul 2022 20:03
 Operator : CG/JU
 Sample : N3814-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)

Quant Time: Jul 23 00:12:30 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)

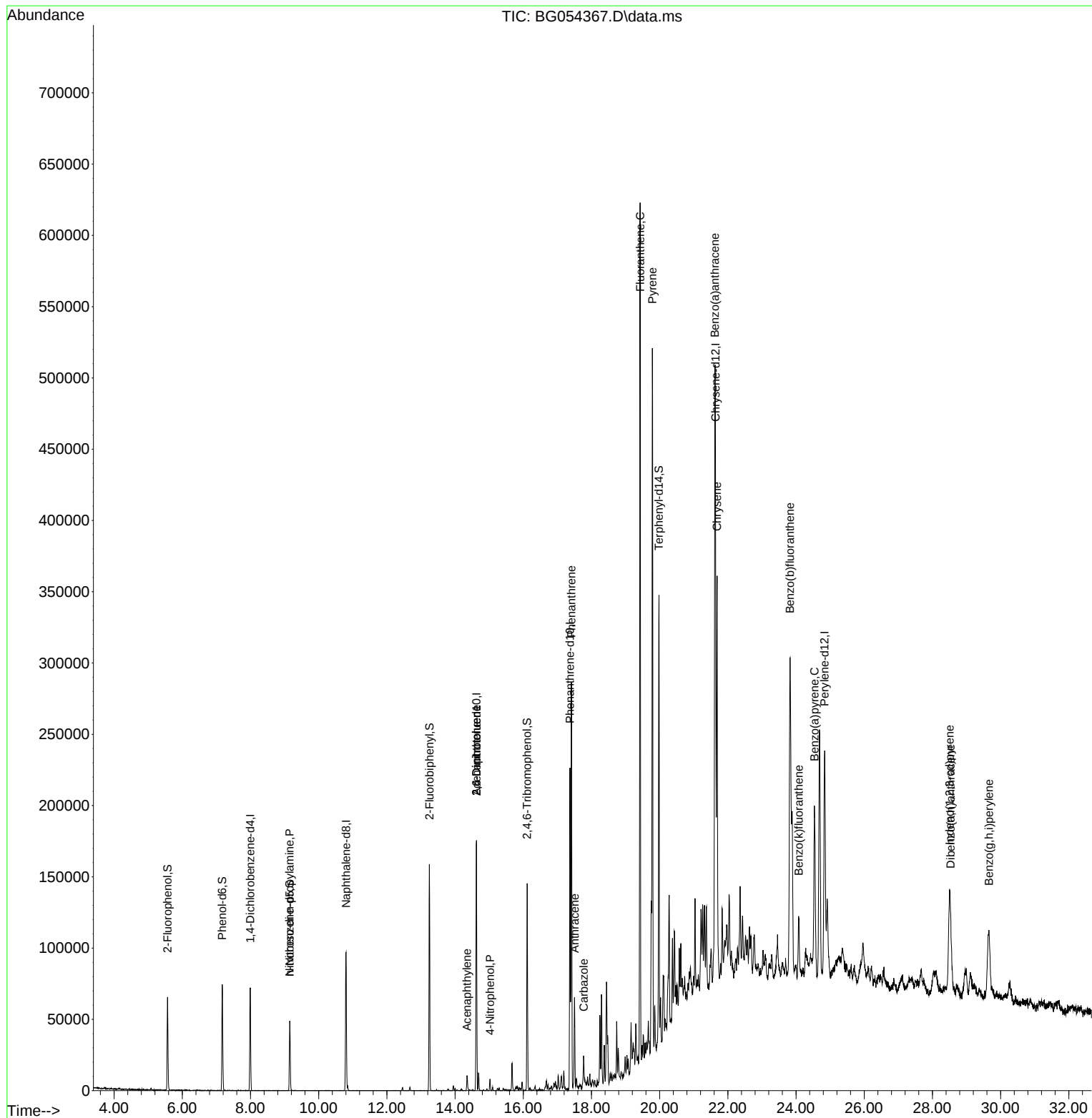
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.994	152	23532	20.000	ng	0.00
21) Naphthalene-d8	10.802	136	90672	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	66774	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	158523	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	176103	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	189295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	30718	27.255	ng	0.00
7) Phenol-d6	7.171	99	42940	27.804	ng	0.00
23) Nitrobenzene-d5	9.151	82	30611	18.385	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	36689	26.169	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	93573	19.769	ng	-0.01
79) Terphenyl-d14	19.980	244	170172	19.170	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.151	70	4172	4.045	ng	# 81
49) Acenaphthylene	14.351	152	11905	2.096	ng	98
51) 2,6-Dinitrotoluene	14.627	165	9287	8.118	ng	# 16
56) 4-Nitrophenol	15.027	139	2045	3.204	ng	# 1
57) 2,4-Dinitrotoluene	14.627	165	9287	5.663	ng	# 21
71) Phenanthrene	17.412	178	197799	25.056	ng	98
72) Anthracene	17.506	178	48356	6.242	ng	98
73) Carbazole	17.771	167	15766	2.472	ng	97
75) Fluoranthene	19.428	202	423472	39.351	ng	95
78) Pyrene	19.786	202	370016	36.618	ng	98
81) Benzo(a)anthracene	21.619	228	259899	23.249	ng	98
83) Chrysene	21.684	228	216258	20.476	ng	96
87) Indeno(1,2,3-cd)pyrene	28.505	276	152944	10.621	ng	98
88) Benzo(b)fluoranthene	23.823	252	319228	28.516	ng	# 98
89) Benzo(k)fluoranthene	24.081	252	50073	4.494	ng	93
90) Benzo(a)pyrene	24.539	252	147369	15.415	ng	99
91) Dibenzo(a,h)anthracene	28.535	278	39056	3.298	ng	# 92
92) Benzo(g,h,i)perylene	29.657	276	139745	11.957	ng	# 91

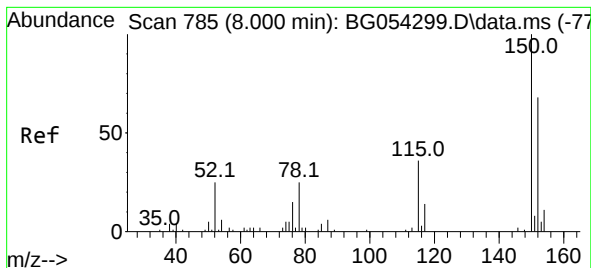
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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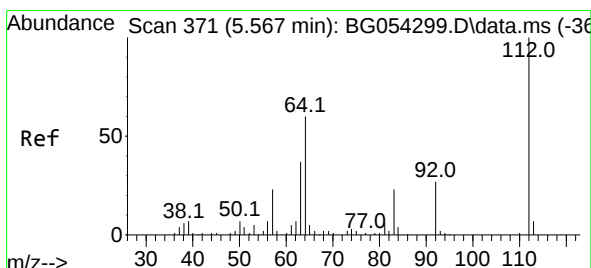
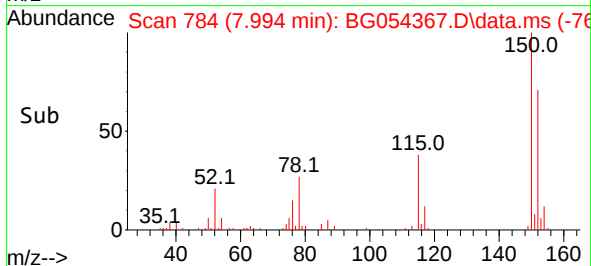
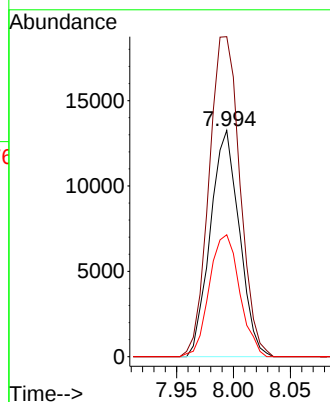
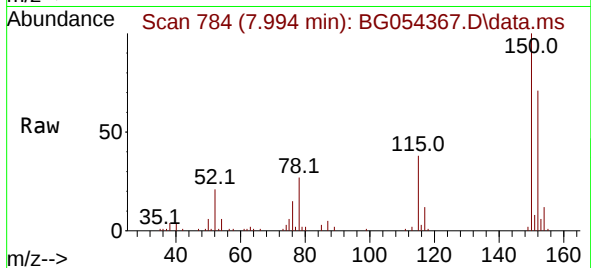




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.994 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

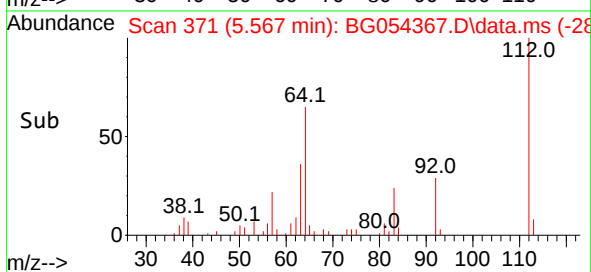
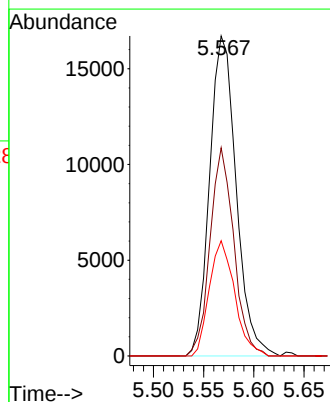
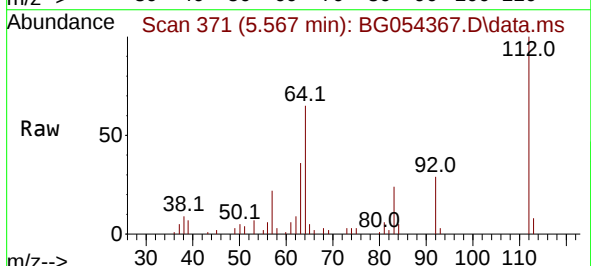
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

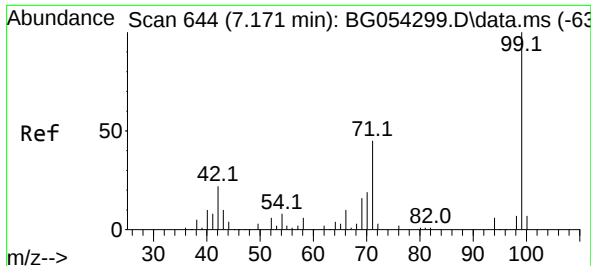
Tgt Ion:152 Resp: 23532
Ion Ratio Lower Upper
152 100
150 141.4 131.6 197.4
115 53.9 50.9 76.3



#5
2-Fluorophenol
Concen: 27.255 ng
RT: 5.567 min Scan# 371
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:112 Resp: 30718
Ion Ratio Lower Upper
112 100
64 65.0 55.1 82.7
63 36.0 30.4 45.6

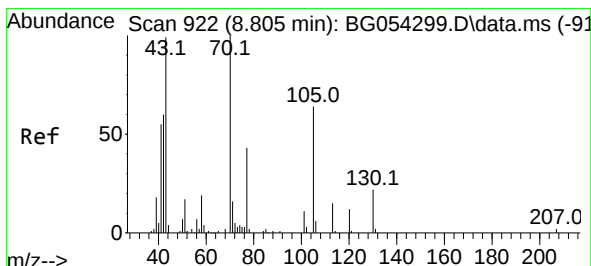
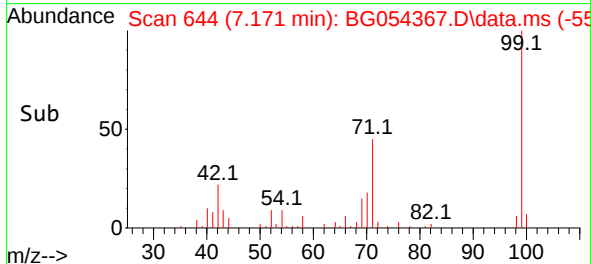
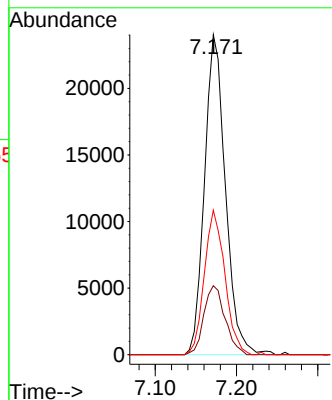
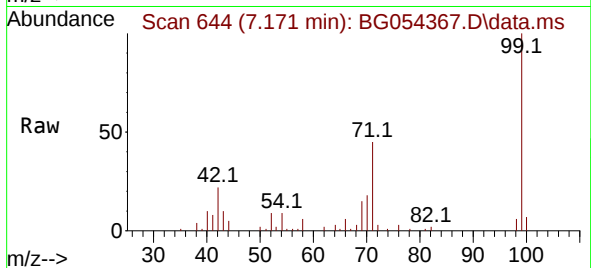




#7
Phenol-d6
Concen: 27.804 ng
RT: 7.171 min Scan# 644
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

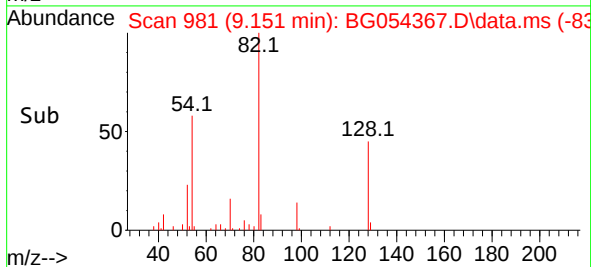
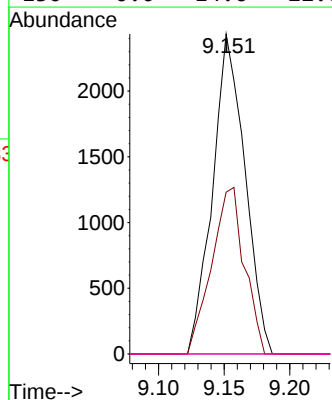
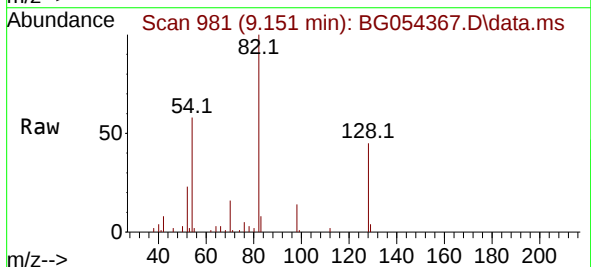
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

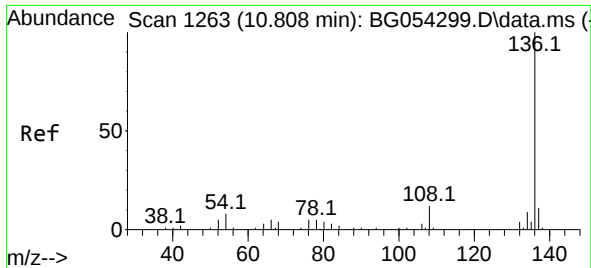
Tgt Ion: 99 Resp: 42940
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 45.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.045 ng
RT: 9.151 min Scan# 981
Delta R.T. 0.347 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion: 70 Resp: 4172
Ion Ratio Lower Upper
70 100
42 50.6 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

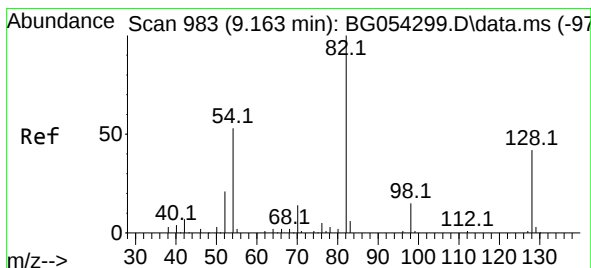
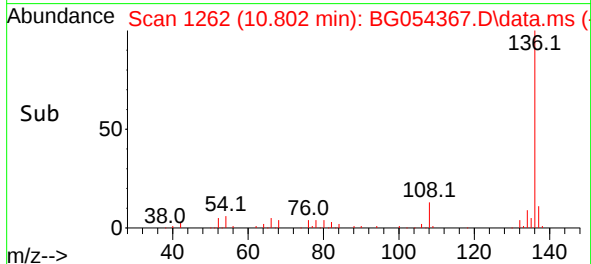
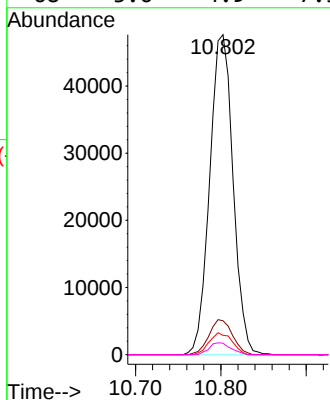
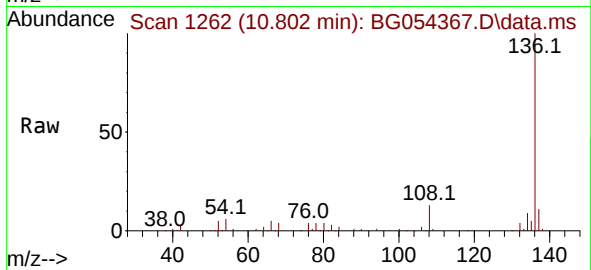




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.802 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

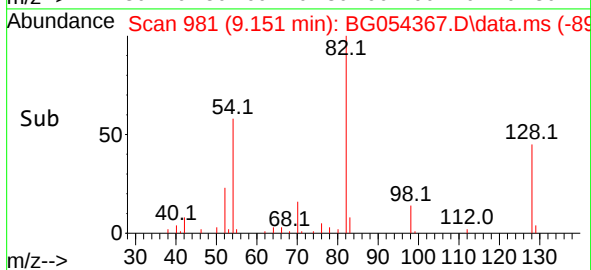
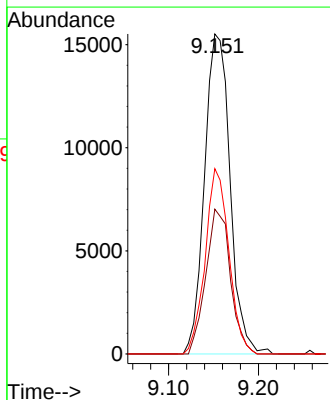
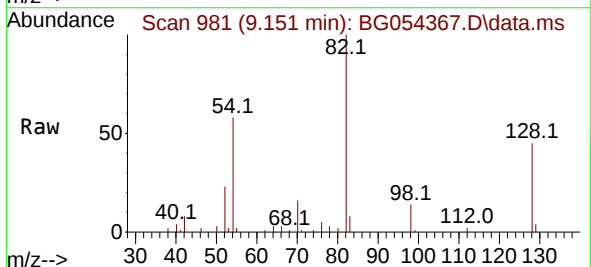
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

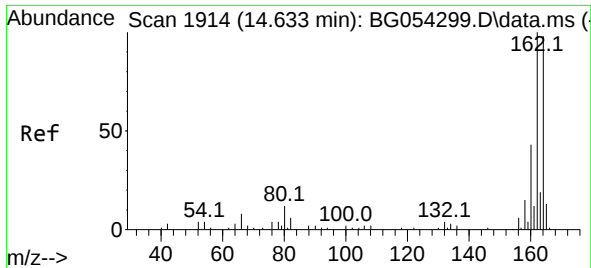
Tgt Ion:	136	Resp:	90672
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.0	7.4	11.2#
68	3.6	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 18.385 ng
RT: 9.151 min Scan# 981
Delta R.T. -0.012 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:	82	Resp:	30611
Ion	Ratio	Lower	Upper
82	100		
128	45.3	27.9	41.9#
54	57.9	41.2	61.8

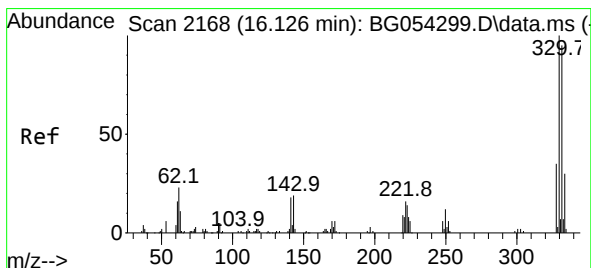
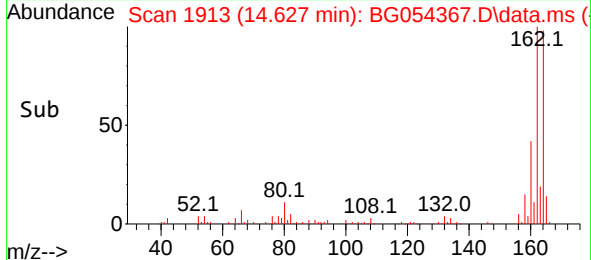
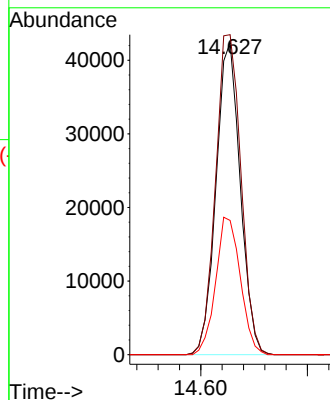
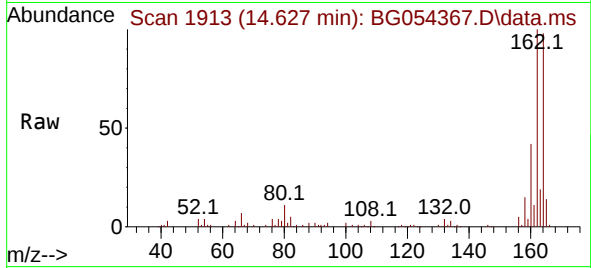




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.627 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

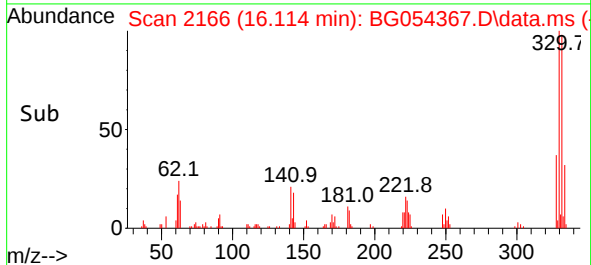
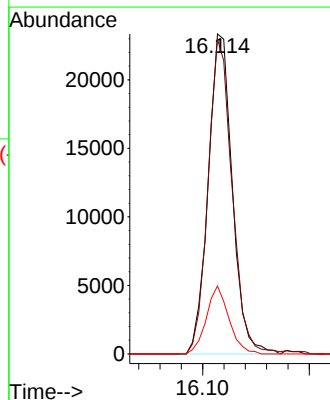
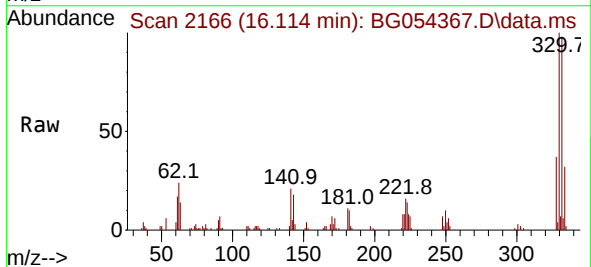
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

Tgt Ion:164 Resp: 66774
Ion Ratio Lower Upper
164 100
162 102.5 82.3 123.5
160 43.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 26.169 ng
RT: 16.114 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:330 Resp: 36689
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 19.8 27.1 40.7#

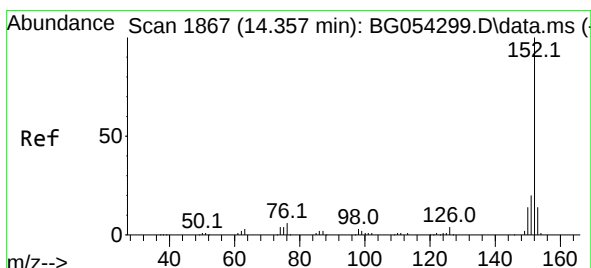
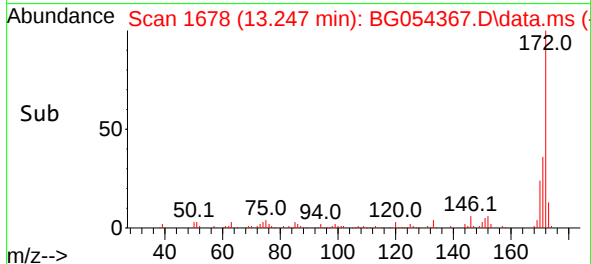
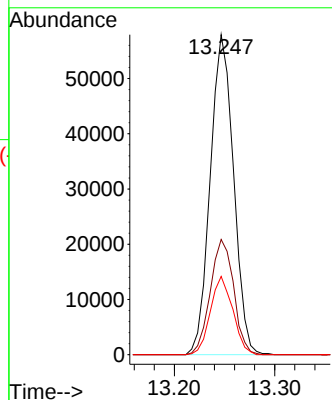
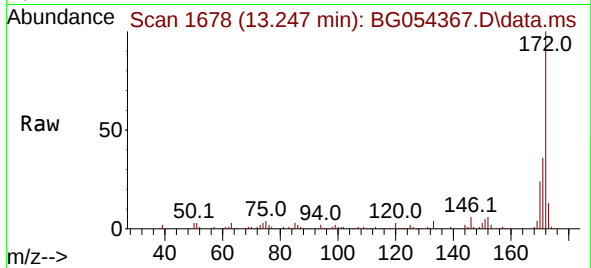




#45
2-Fluorobiphenyl
Concen: 19.769 ng
RT: 13.247 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

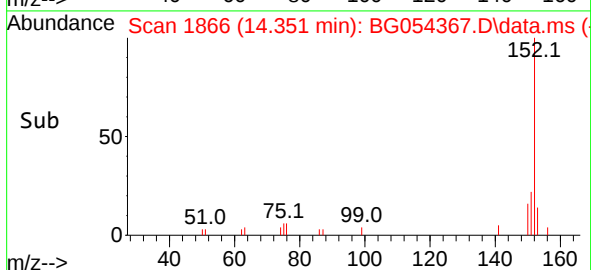
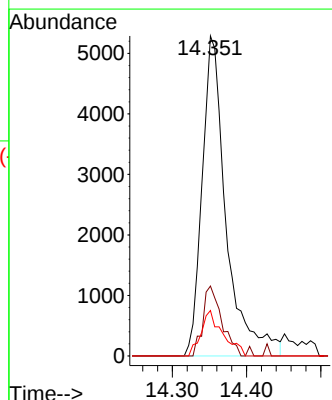
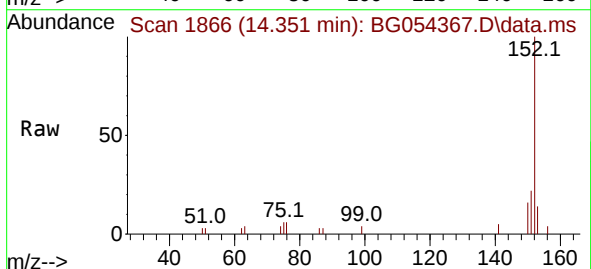
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

Tgt Ion:172 Resp: 93573
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.5 18.9 28.3



#49
Acenaphthylene
Concen: 2.096 ng
RT: 14.351 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:152 Resp: 11905
Ion Ratio Lower Upper
152 100
151 21.9 16.4 24.6
153 14.2 10.8 16.2





#51

2,6-Dinitrotoluene

Concen: 8.118 ng

RT: 14.627 min Scan# 1913

Delta R.T. 0.423 min

Lab File: BG054367.D

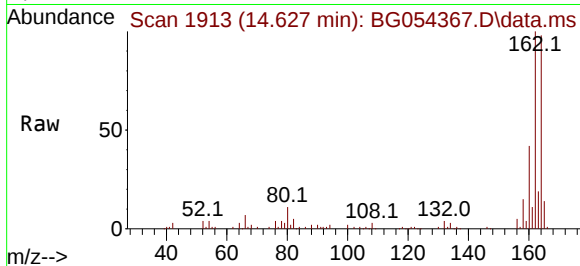
Acq: 22 Jul 2022 20:03

Instrument :

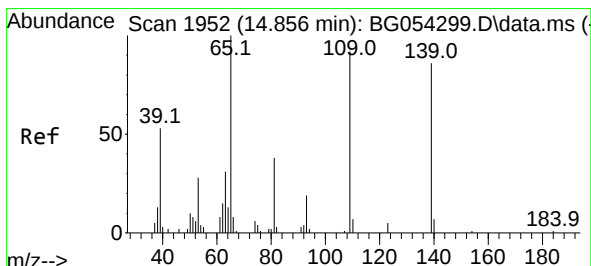
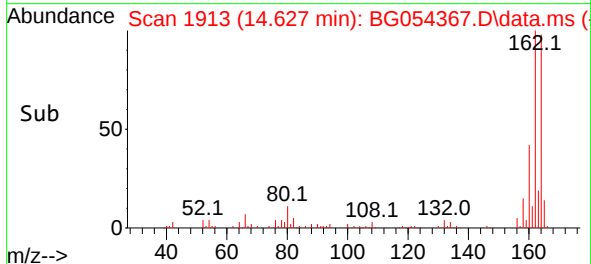
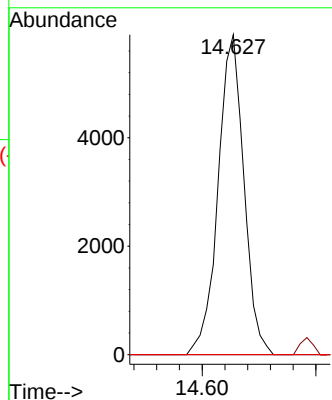
BNA_G

ClientSampleId :

ENV-DE-1(0-5)



Tgt Ion:	165	Resp:	9287
Ion Ratio	Lower	Upper	
165	100		
63	0.0	54.1	81.1#
89	0.0	54.8	82.2#



#56

4-Nitrophenol

Concen: 3.204 ng

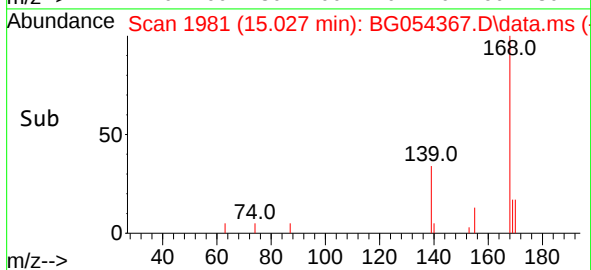
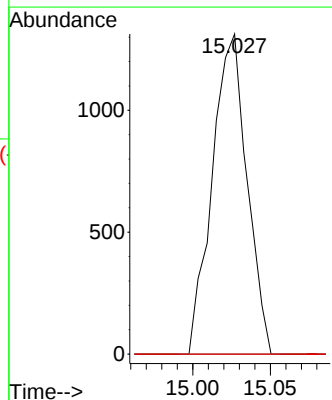
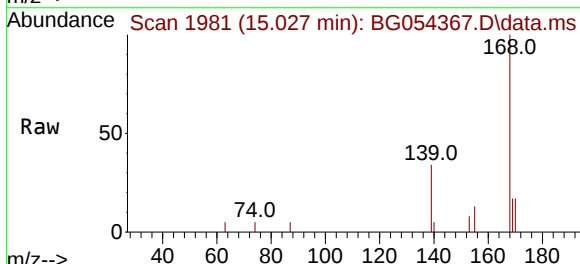
RT: 15.027 min Scan# 1981

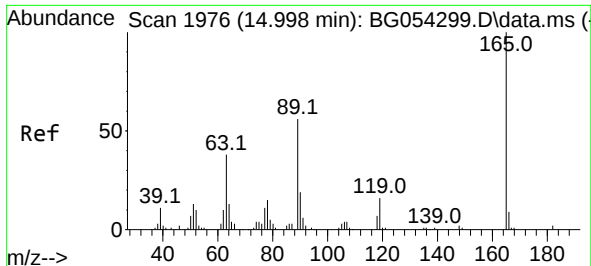
Delta R.T. 0.171 min

Lab File: BG054367.D

Acq: 22 Jul 2022 20:03

Tgt Ion:	139	Resp:	2045
Ion Ratio	Lower	Upper	
139	100		
109	0.0	88.5	128.5#
65	0.0	93.9	133.9#

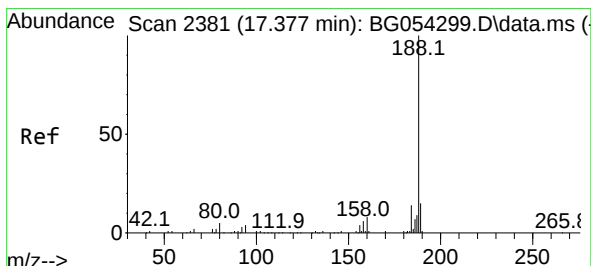
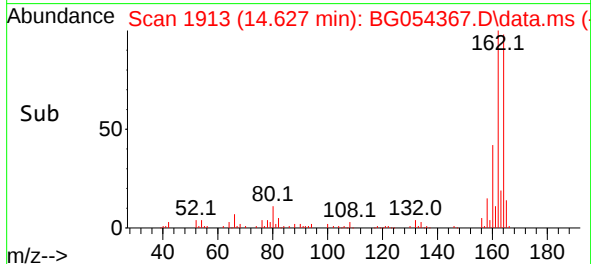
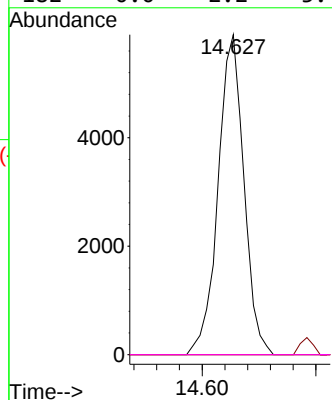
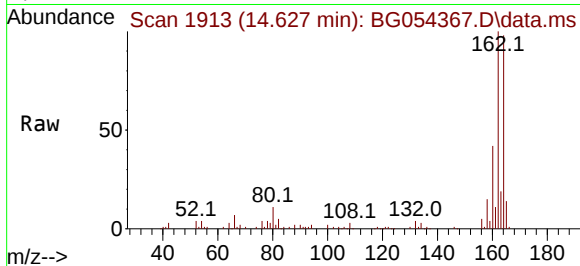




#57
2,4-Dinitrotoluene
Concen: 5.663 ng
RT: 14.627 min Scan# 1976
Delta R.T. -0.370 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

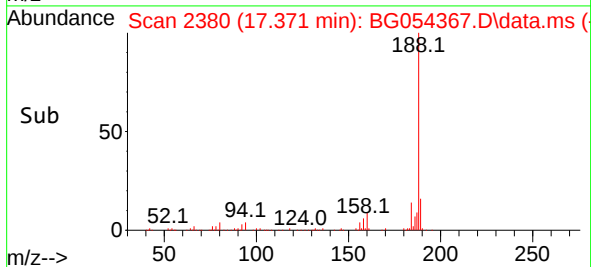
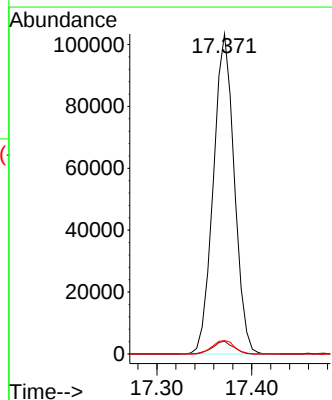
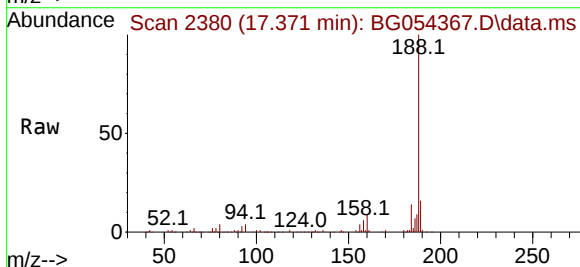
Instrument :
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ClientSampleId :
ENV-DE-1(0-5)

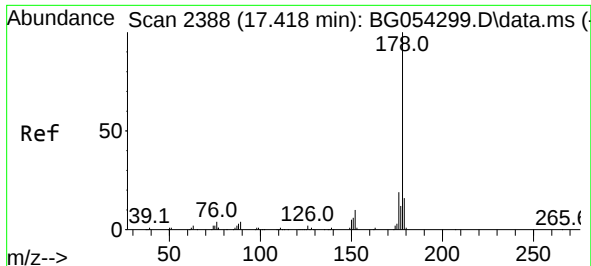
Tgt Ion:165 Resp: 9287
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2380
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:188 Resp: 158523
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0#
80 4.2 6.8 10.2#

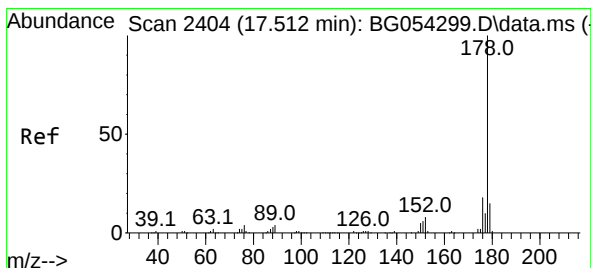
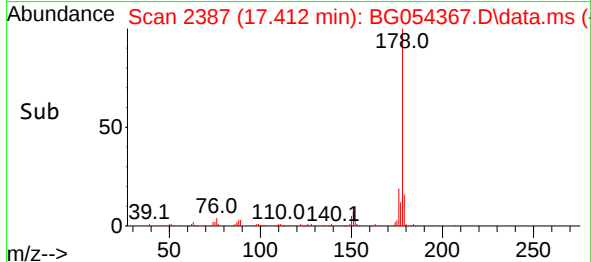
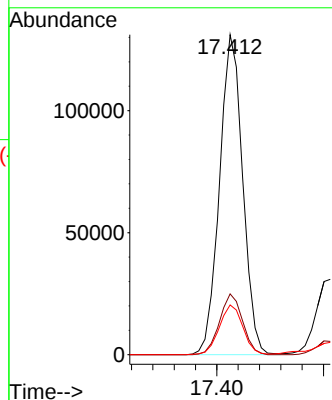
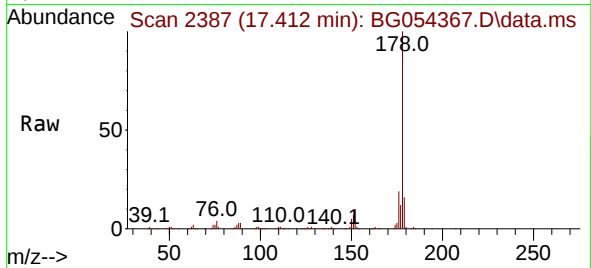




#71
Phenanthrene
Concen: 25.056 ng
RT: 17.412 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

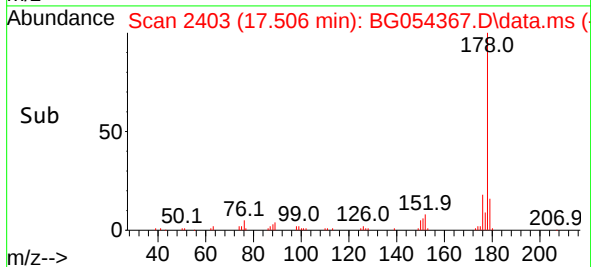
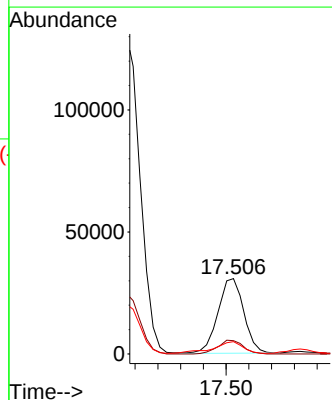
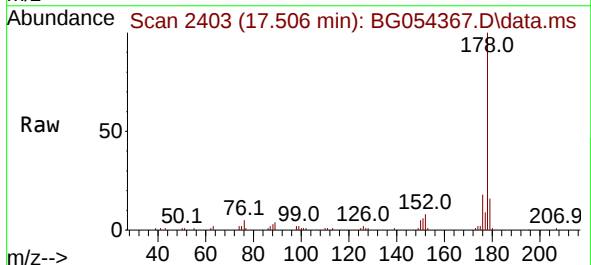
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

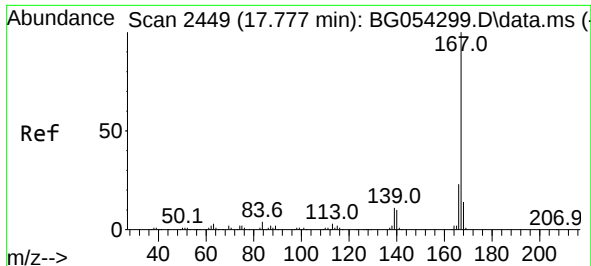
Tgt Ion:178 Resp: 197799
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.6 12.1 18.1



#72
Anthracene
Concen: 6.242 ng
RT: 17.506 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:178 Resp: 48356
Ion Ratio Lower Upper
178 100
176 17.6 15.2 22.8
179 16.3 13.0 19.4

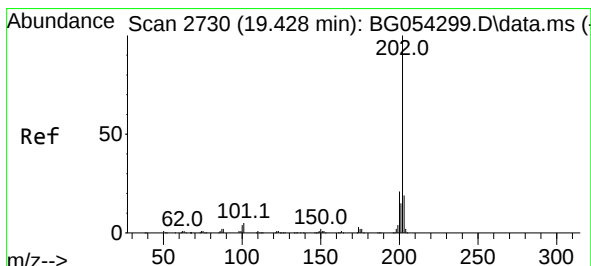
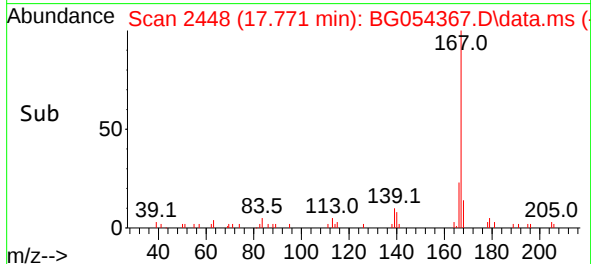
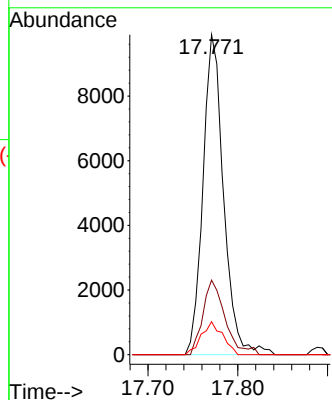
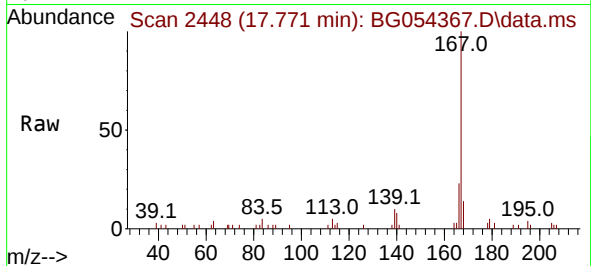




#73
 Carbazole
 Concen: 2.472 ng
 RT: 17.771 min Scan# 2448
 Delta R.T. -0.006 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

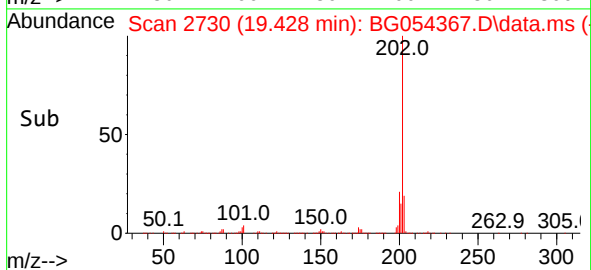
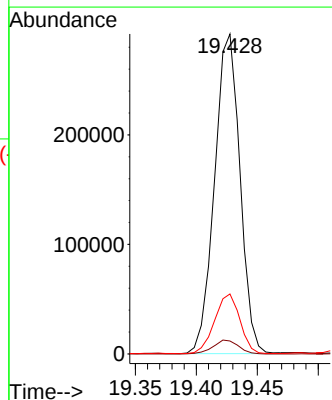
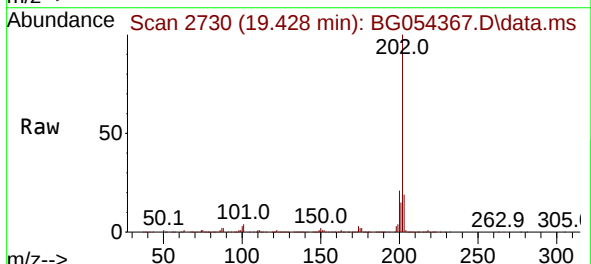
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)

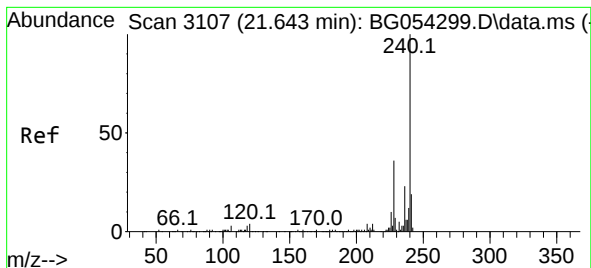
Tgt Ion:167 Resp: 15766
 Ion Ratio Lower Upper
 167 100
 166 23.3 18.2 27.2
 139 10.3 10.1 15.1



#75
 Fluoranthene
 Concen: 39.351 ng
 RT: 19.428 min Scan# 2730
 Delta R.T. 0.000 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

Tgt Ion:202 Resp: 423472
 Ion Ratio Lower Upper
 202 100
 101 4.0 0.0 26.9
 203 18.8 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.637 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BG054367.D

Acq: 22 Jul 2022 20:03

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1(0-5)

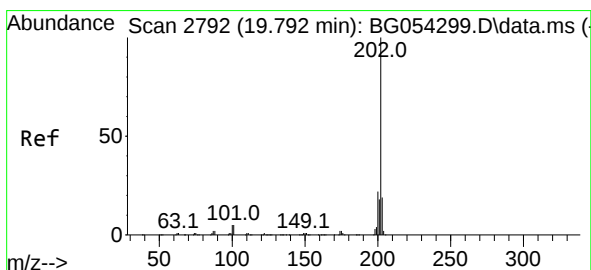
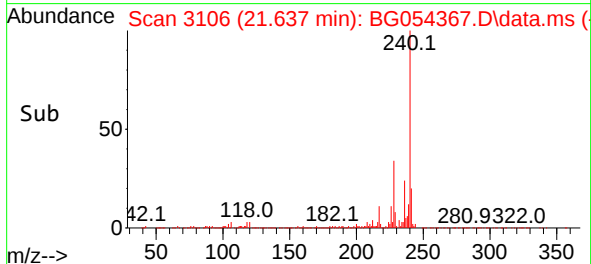
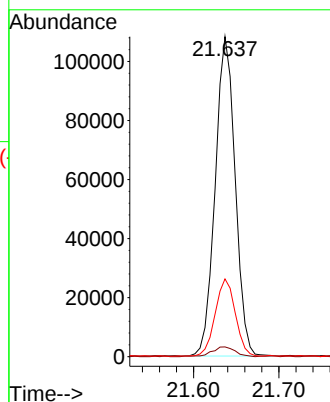
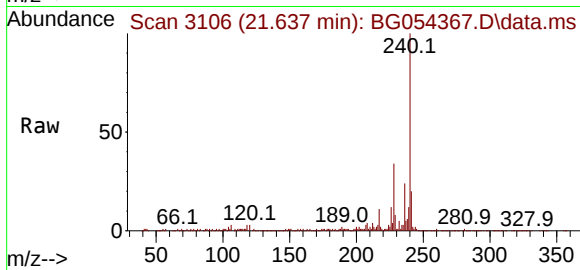
Tgt Ion:240 Resp: 176103

Ion Ratio Lower Upper

240 100

120 3.1 4.6 7.0#

236 24.3 20.2 30.4



#78

Pyrene

Concen: 36.618 ng

RT: 19.786 min Scan# 2791

Delta R.T. -0.006 min

Lab File: BG054367.D

Acq: 22 Jul 2022 20:03

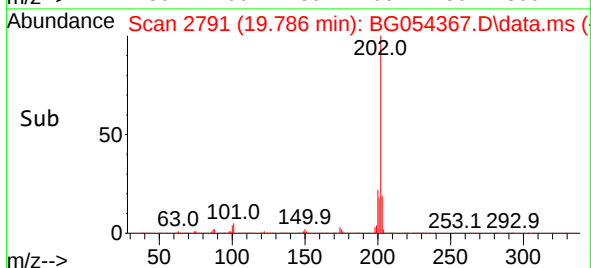
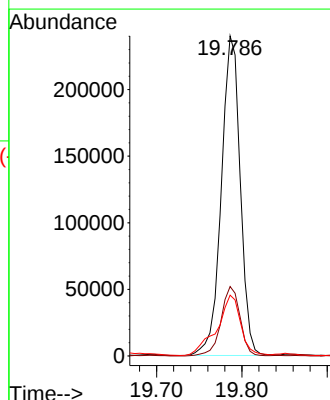
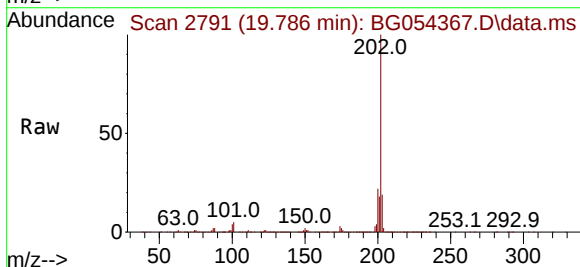
Tgt Ion:202 Resp: 370016

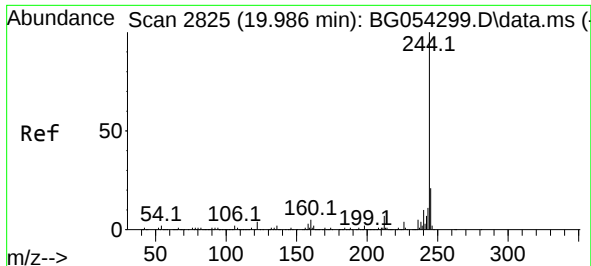
Ion Ratio Lower Upper

202 100

200 21.7 16.6 24.8

203 19.0 14.6 21.8

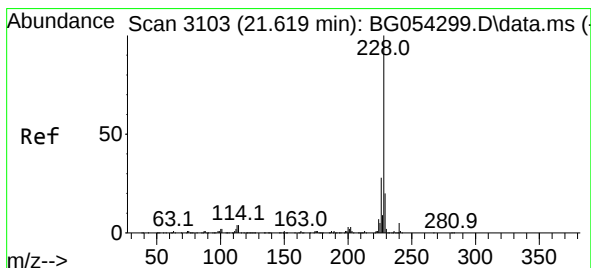
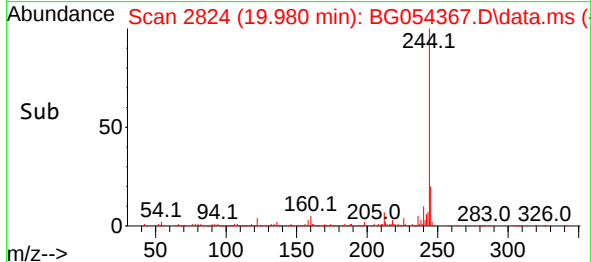
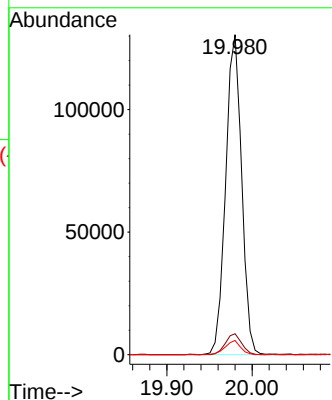
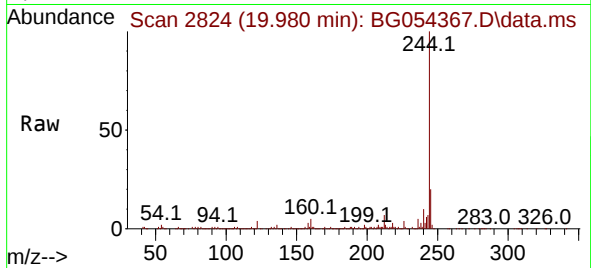




#79
 Terphenyl-d14
 Concen: 19.170 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

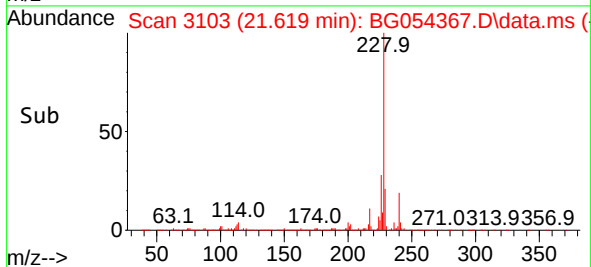
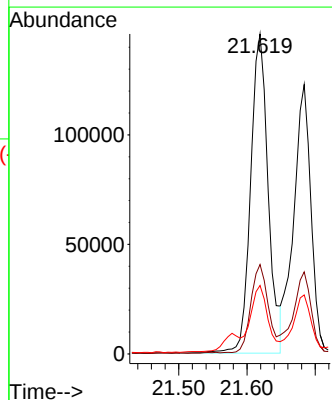
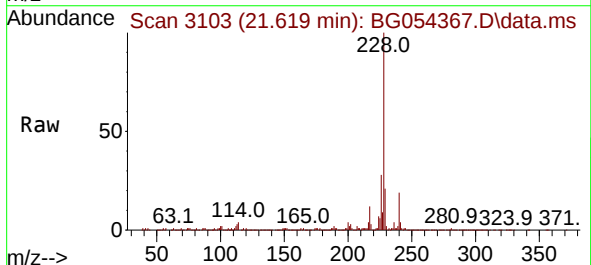
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)

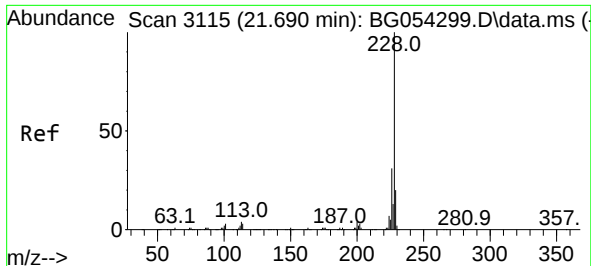
Tgt Ion:244 Resp: 170172
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 23.249 ng
 RT: 21.619 min Scan# 3103
 Delta R.T. 0.000 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

Tgt Ion:228 Resp: 259899
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 21.4 16.2 24.2

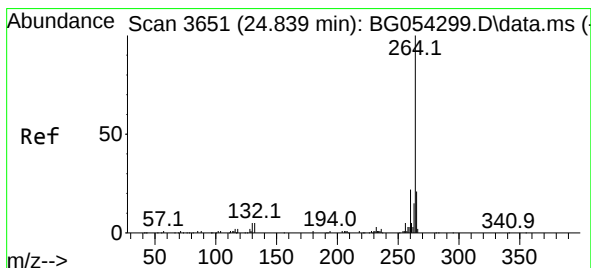
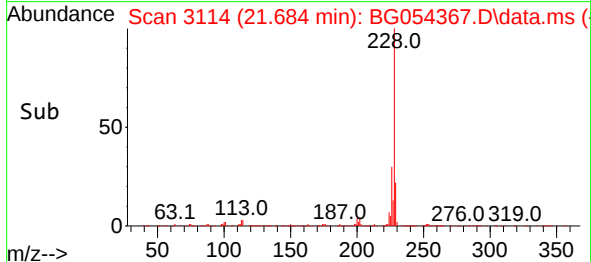
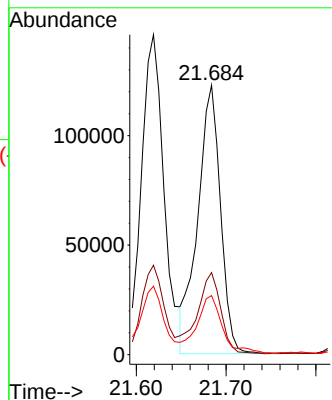
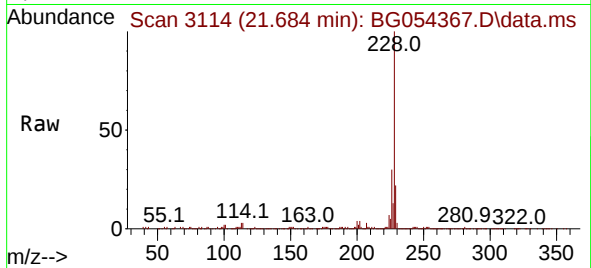




#83
Chrysene
Concen: 20.476 ng
RT: 21.684 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

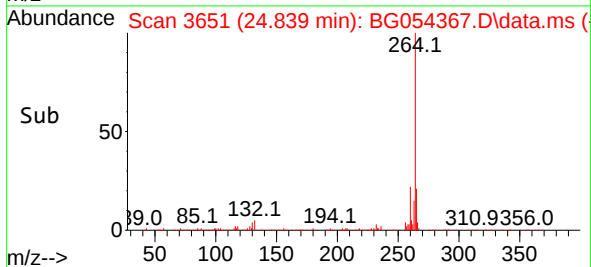
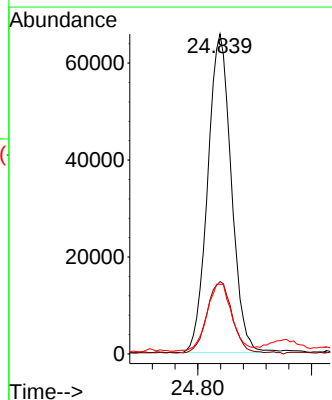
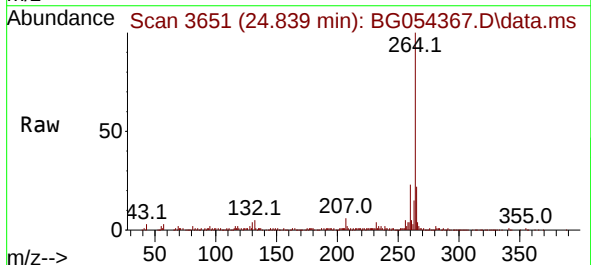
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

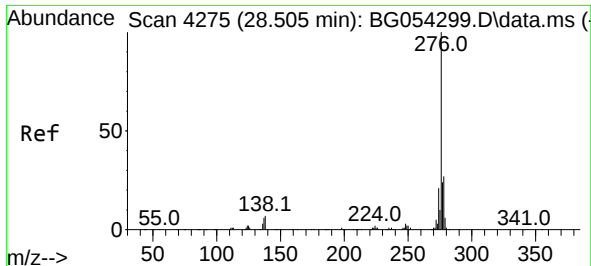
Tgt Ion:228 Resp: 216258
Ion Ratio Lower Upper
228 100
226 30.5 23.4 35.2
229 21.9 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 3651
Delta R.T. 0.000 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:264 Resp: 189295
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 21.8 17.4 26.2

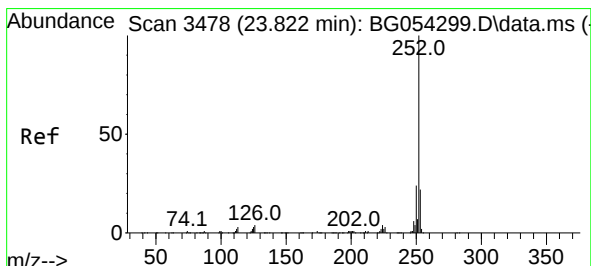
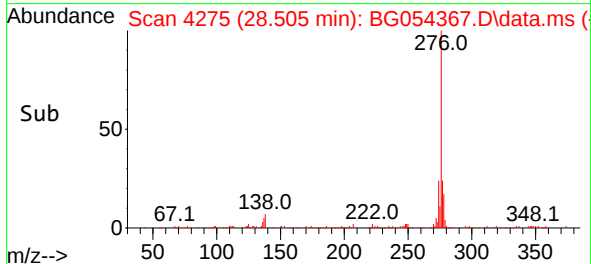
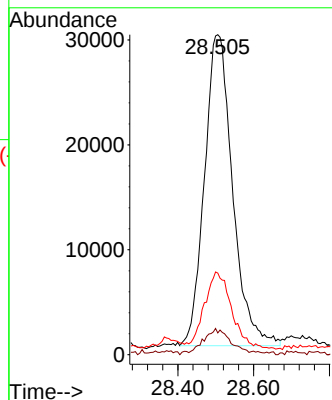
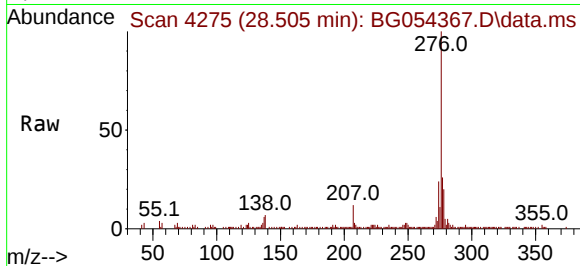




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.621 ng
 RT: 28.505 min Scan# 4275
 Delta R.T. 0.000 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

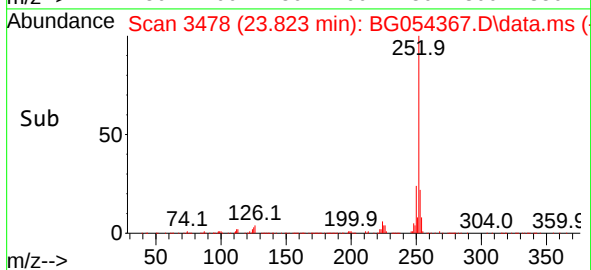
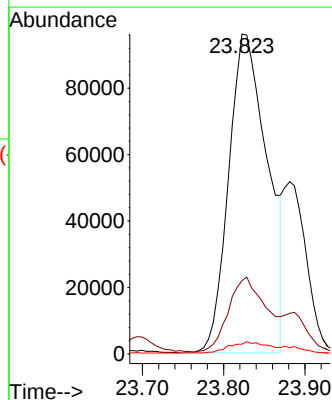
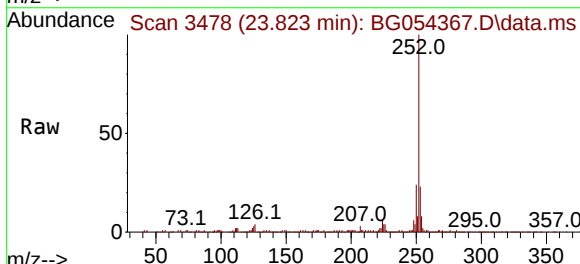
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1(0-5)

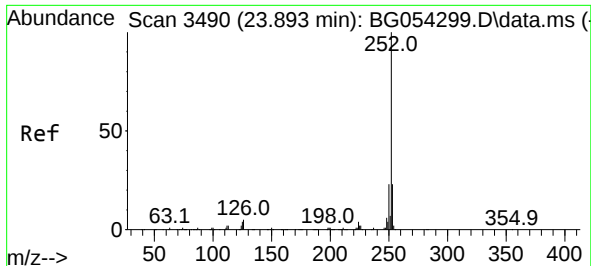
Tgt Ion:276 Resp: 152944
 Ion Ratio Lower Upper
 276 100
 138 6.7 5.0 7.4
 277 24.1 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 28.516 ng
 RT: 23.823 min Scan# 3478
 Delta R.T. 0.000 min
 Lab File: BG054367.D
 Acq: 22 Jul 2022 20:03

Tgt Ion:252 Resp: 319228
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.0 27.0
 125 3.0 4.6 6.8#

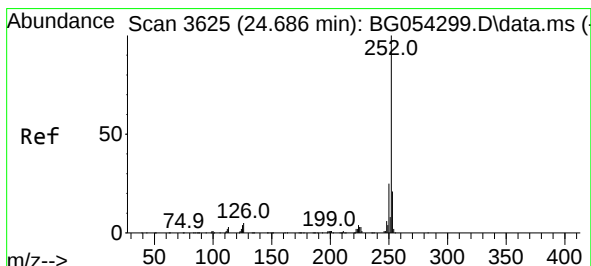
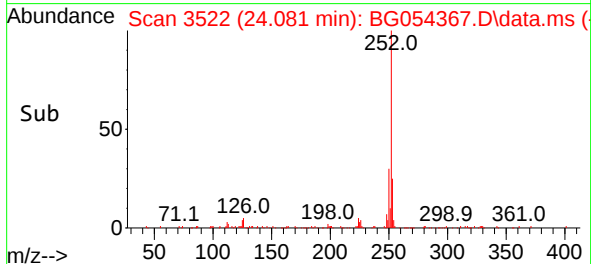
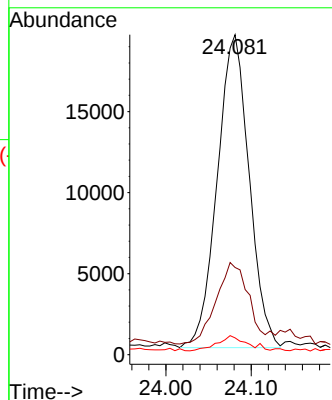
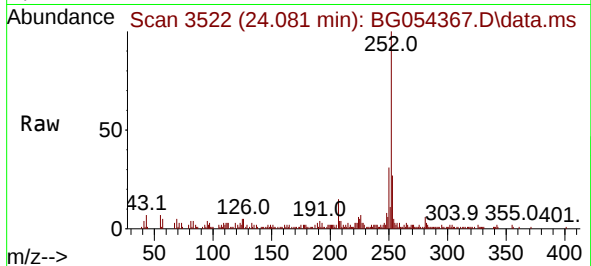




#89
Benzo(k)fluoranthene
Concen: 4.494 ng
RT: 24.081 min Scan# 31
Delta R.T. 0.188 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

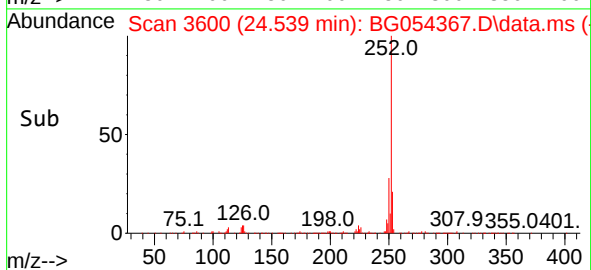
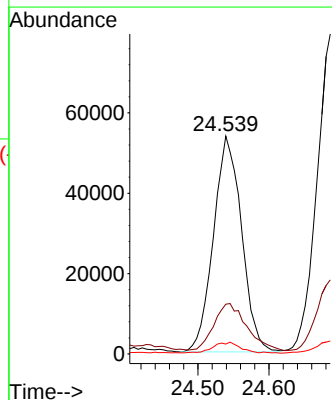
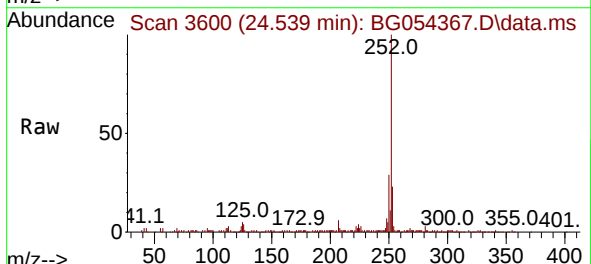
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1(0-5)

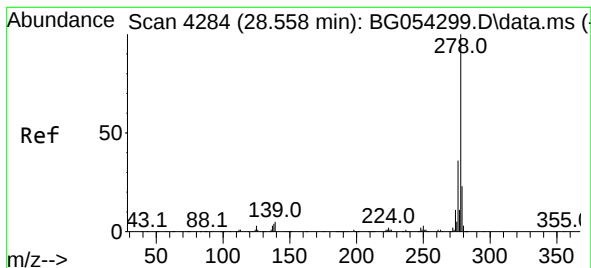
Tgt Ion:252 Resp: 50073
Ion Ratio Lower Upper
252 100
253 27.3 18.4 27.6
125 5.3 4.8 7.2



#90
Benzo(a)pyrene
Concen: 15.415 ng
RT: 24.539 min Scan# 3600
Delta R.T. -0.147 min
Lab File: BG054367.D
Acq: 22 Jul 2022 20:03

Tgt Ion:252 Resp: 147369
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 4.6 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 3.298 ng

RT: 28.535 min Scan# 41

Delta R.T. -0.023 min

Lab File: BG054367.D

Acq: 22 Jul 2022 20:03

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1(0-5)

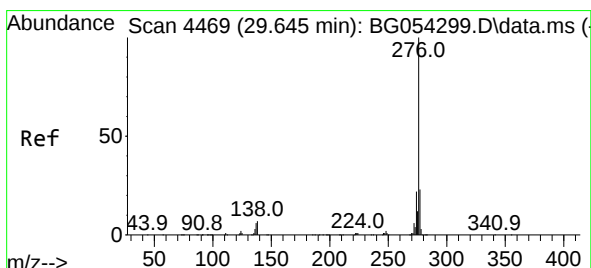
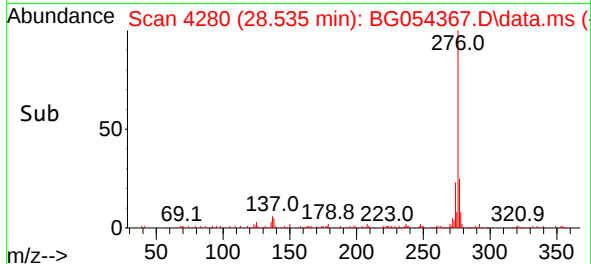
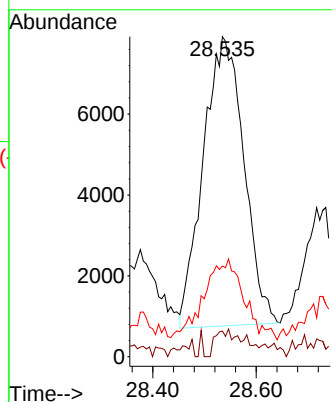
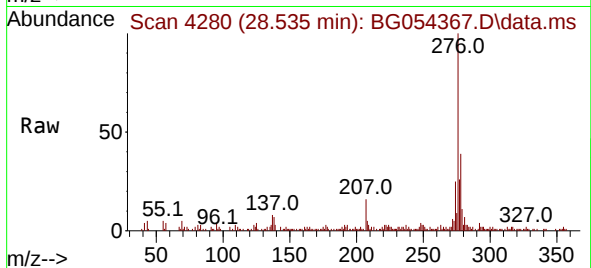
Tgt Ion:278 Resp: 39056

Ion Ratio Lower Upper

278 100

139 8.0 7.2 10.8

279 28.3 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 11.957 ng

RT: 29.657 min Scan# 4471

Delta R.T. 0.012 min

Lab File: BG054367.D

Acq: 22 Jul 2022 20:03

Tgt Ion:276 Resp: 139745

Ion Ratio Lower Upper

276 100

277 23.7 17.3 25.9

138 5.7 9.6 14.4#

