

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054377.D
 Acq On : 25 Jul 2022 13:04
 Operator : CG/JU
 Sample : N3814-09DL 25X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(10-15)DL

Quant Time: Jul 26 00:54:29 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)

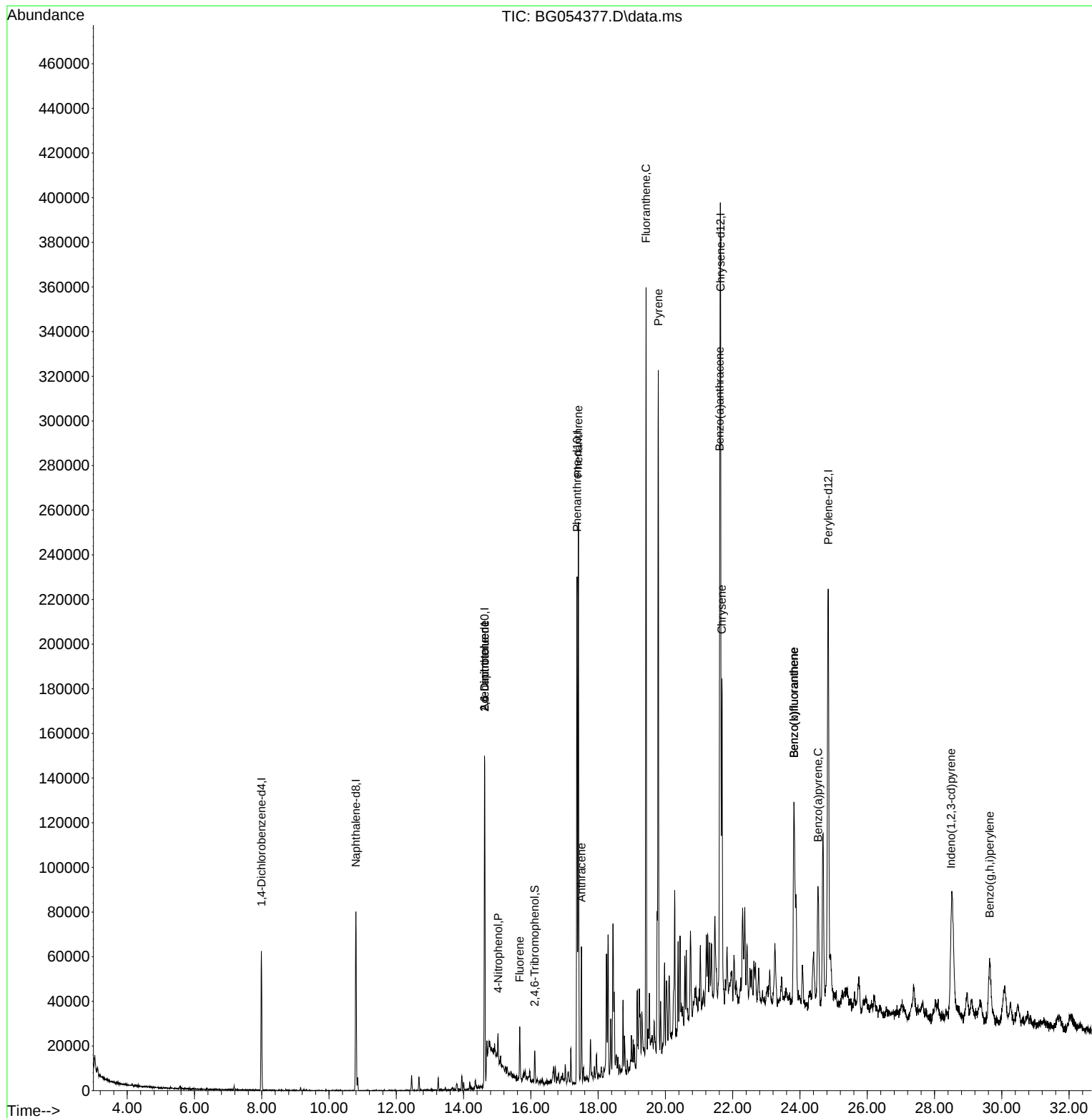
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	19085	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	72922	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	59712	20.000	ng	-0.01
64) Phenanthrene-d10	17.372	188	166288	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	210299	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	226996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	805	0.881	ng	0.00
7) Phenol-d6	7.178	99	1146	0.915	ng	0.00
23) Nitrobenzene-d5	9.152	82	920	0.687	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	2899	2.312	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	4175	0.986	ng	-0.01
79) Terphenyl-d14	19.975	244	15569	1.469	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.622	165	8894	8.694	ng	# 16
56) 4-Nitrophenol	15.028	139	2300	4.029	ng	# 1
57) 2,4-Dinitrotoluene	14.622	165	8894	6.064	ng	# 21
58) Fluorene	15.668	166	11386	2.530	ng	100
71) Phenanthrene	17.413	178	173398	20.939	ng	99
72) Anthracene	17.501	178	44259	5.446	ng	98
75) Fluoranthene	19.422	202	233580	20.692	ng	94
78) Pyrene	19.787	202	219934	18.226	ng	99
81) Benzo(a)anthracene	21.614	228	129866	9.728	ng	96
83) Chrysene	21.679	228	110864	8.790	ng	98
87) Indeno(1,2,3-cd)pyrene	28.494	276	64306	3.724	ng	# 95
88) Benzo(b)fluoranthene	23.823	252	131601	9.803	ng	# 97
89) Benzo(k)fluoranthene	23.823	252	131601	9.850	ng	# 98
90) Benzo(a)pyrene	24.534	252	60785	5.302	ng	95
92) Benzo(g,h,i)perylene	29.640	276	63237	4.512	ng	# 95

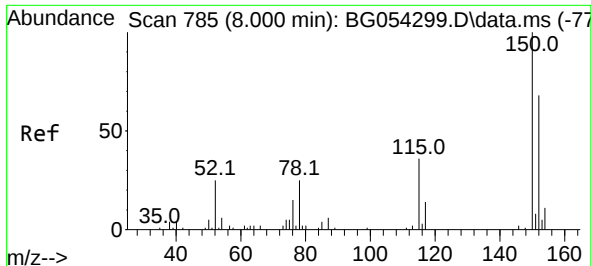
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054377.D
Acq On : 25 Jul 2022 13:04
Operator : CG/JU
Sample : N3814-09DL 25X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

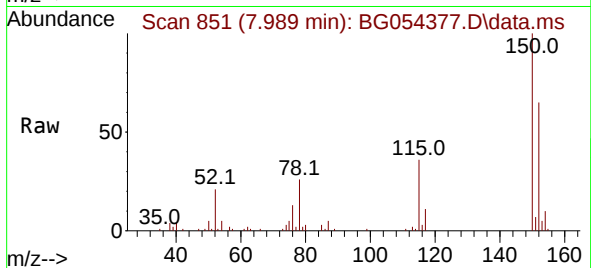
Quant Time: Jul 26 00:54:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration



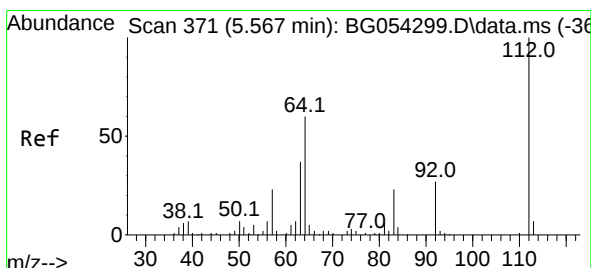
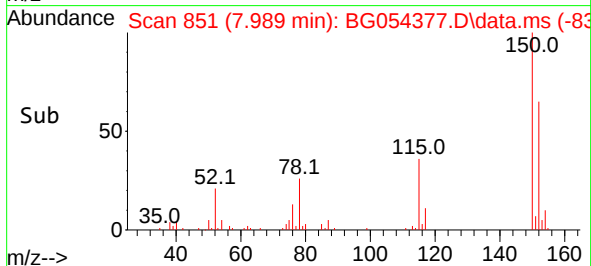
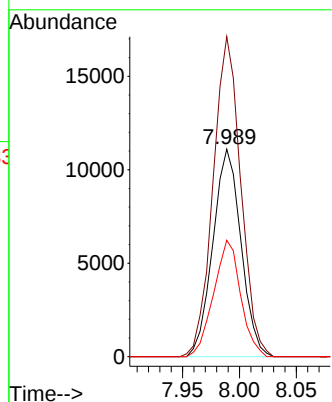


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

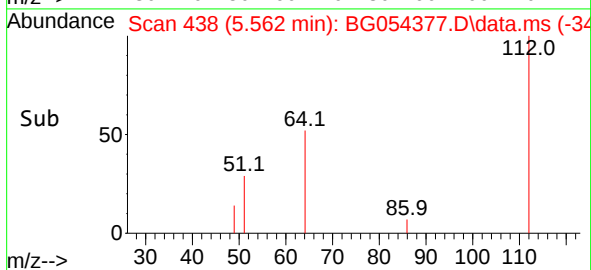
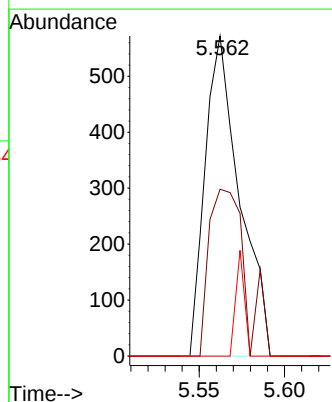
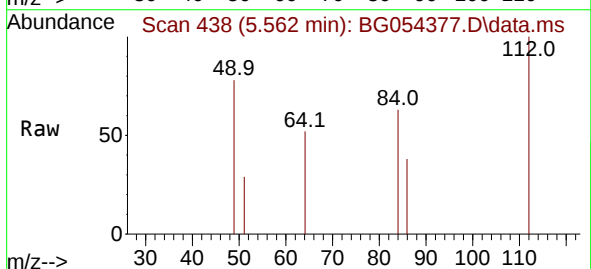


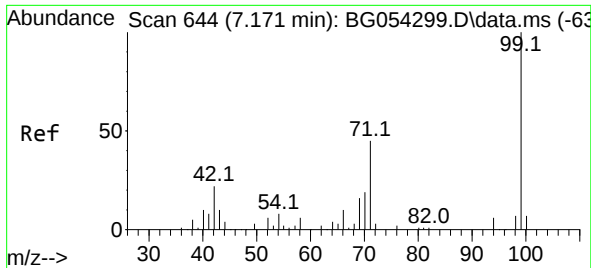
Tgt Ion:152 Resp: 19085
Ion Ratio Lower Upper
152 100
150 154.2 131.6 197.4
115 56.1 50.9 76.3



#5
2-Fluorophenol
Concen: 0.881 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion:112 Resp: 805
Ion Ratio Lower Upper
112 100
64 52.1 55.1 82.7#
63 0.0 30.4 45.6#

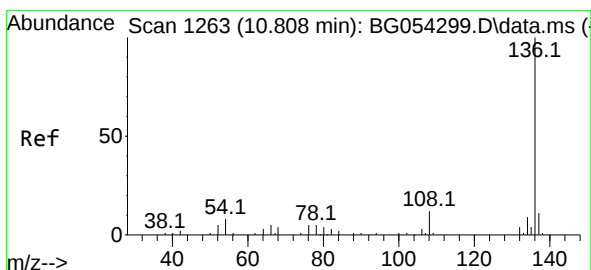
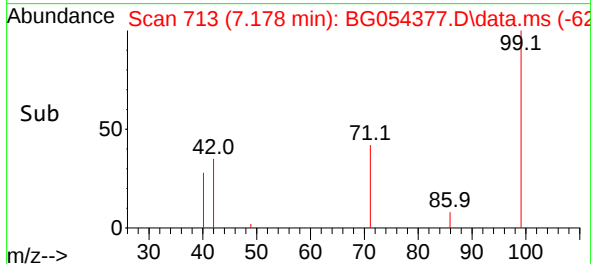
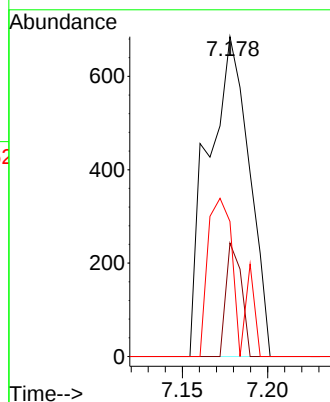
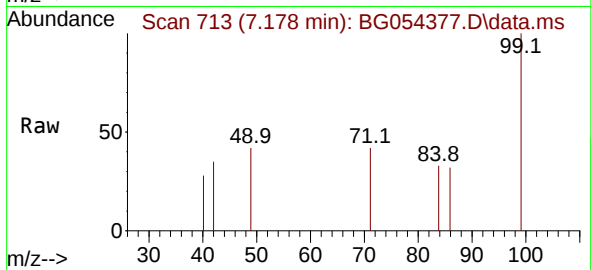




#7
Phenol-d6
Concen: 0.915 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

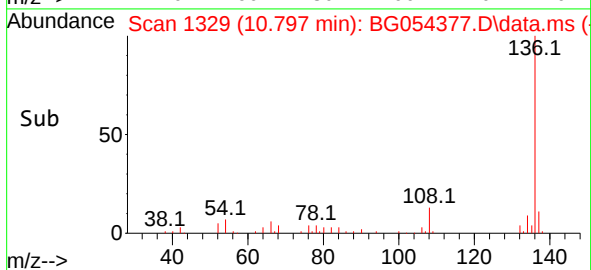
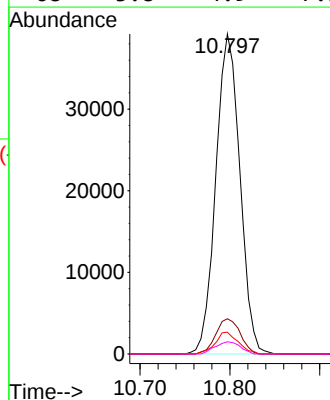
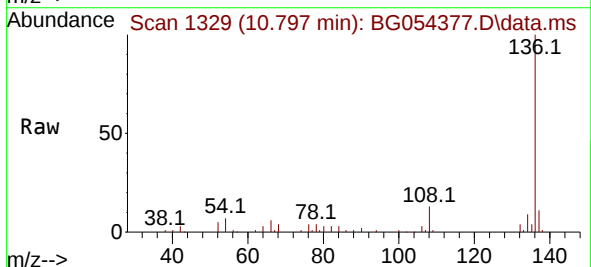
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

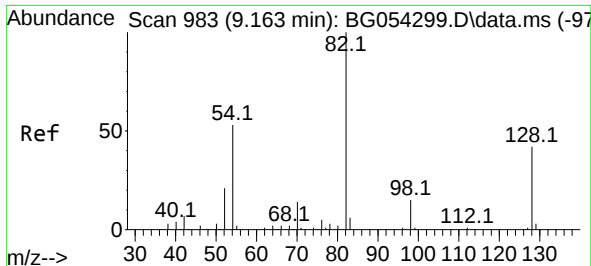
Tgt Ion: 99 Resp: 1146
Ion Ratio Lower Upper
99 100
42 35.5 17.0 25.6#
71 42.2 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion: 136 Resp: 72922
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 6.8 7.4 11.2#
68 3.8 4.9 7.3#

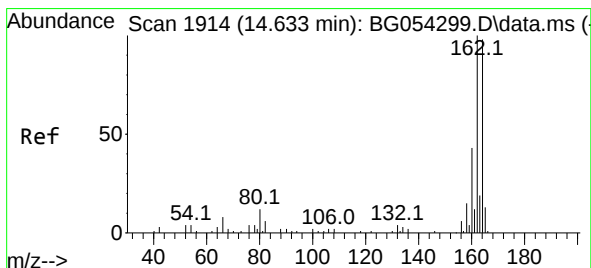
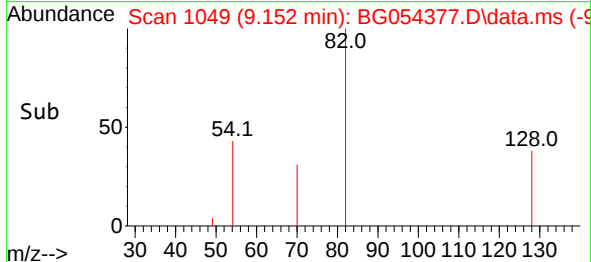
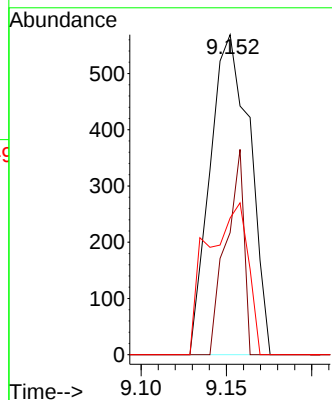
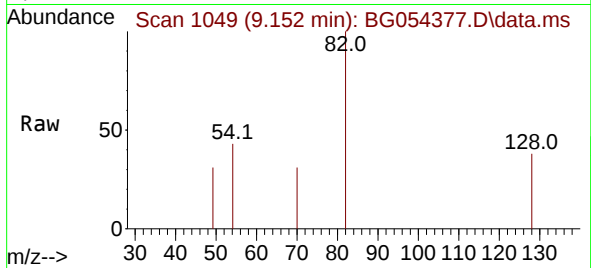




#23
Nitrobenzene-d5
Concen: 0.687 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

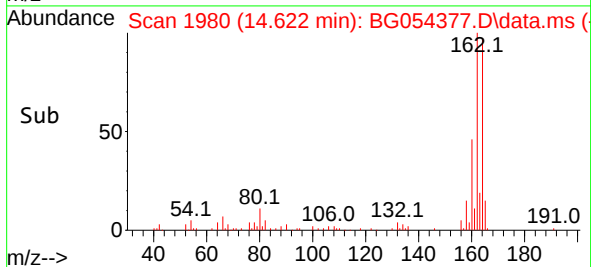
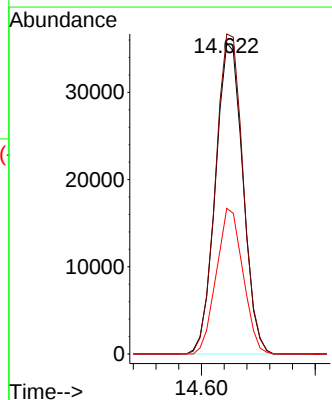
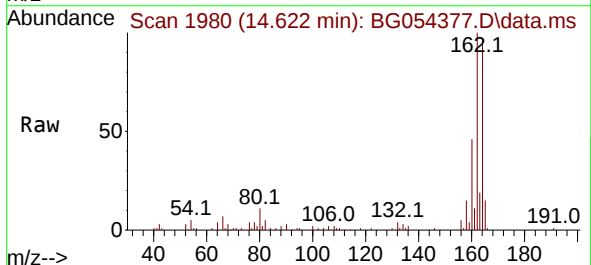
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

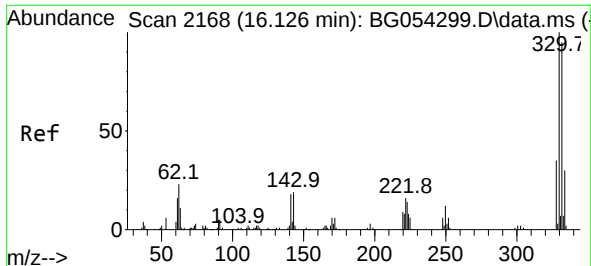
Tgt Ion: 82 Resp: 920
Ion Ratio Lower Upper
82 100
128 38.1 27.9 41.9
54 42.7 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

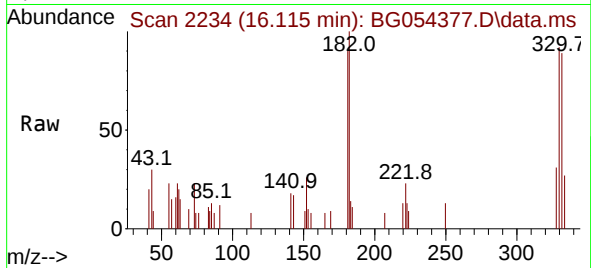
Tgt Ion:164 Resp: 59712
Ion Ratio Lower Upper
164 100
162 102.8 82.3 123.5
160 46.8 34.2 51.2



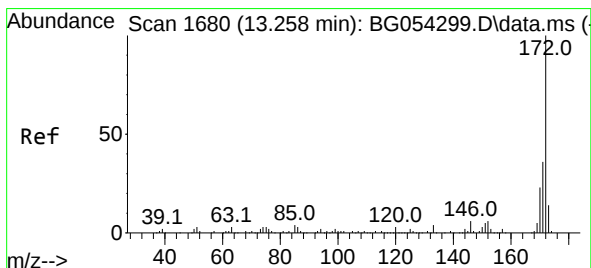
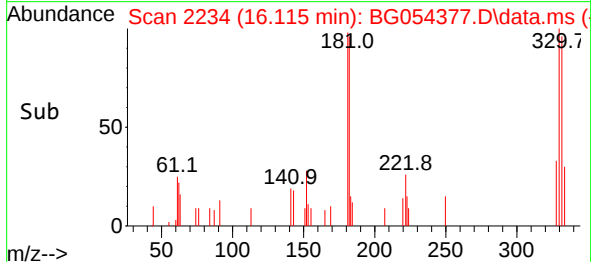
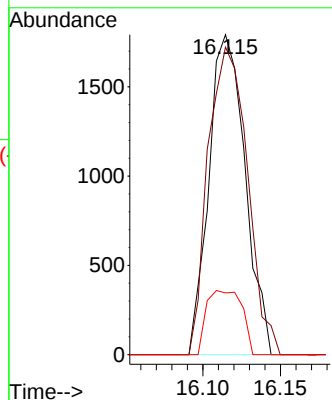


#42
2,4,6-Tribromophenol
Concen: 2.312 ng
RT: 16.115 min Scan# 2168
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

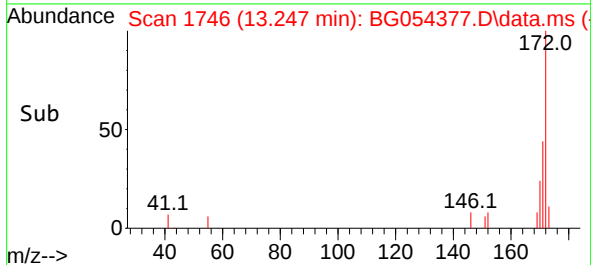
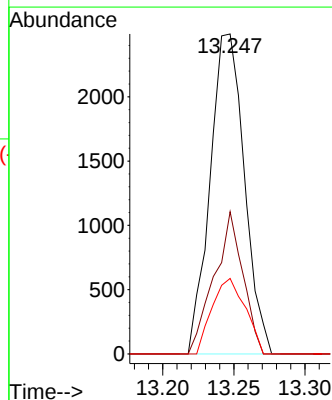
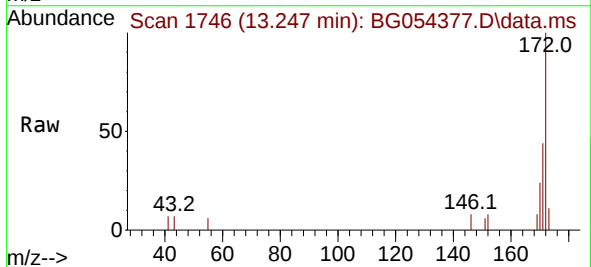


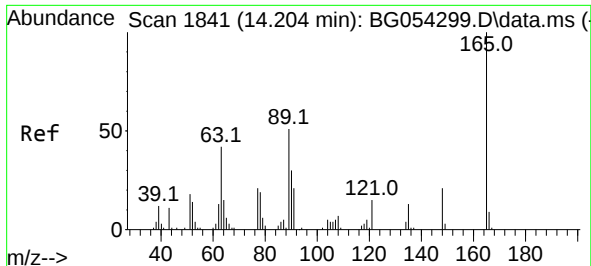
Tgt Ion:330 Resp: 2899
Ion Ratio Lower Upper
330 100
332 104.6 76.0 114.0
141 19.7 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 0.986 ng
RT: 13.247 min Scan# 1746
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion:172 Resp: 4175
Ion Ratio Lower Upper
172 100
171 44.4 28.5 42.7#
170 23.6 18.9 28.3

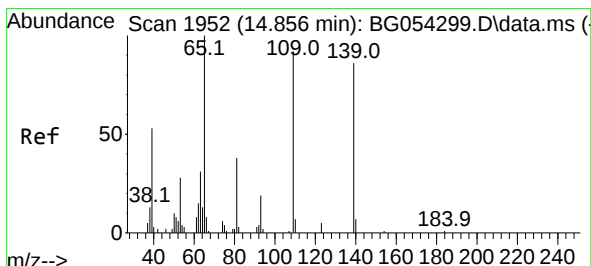
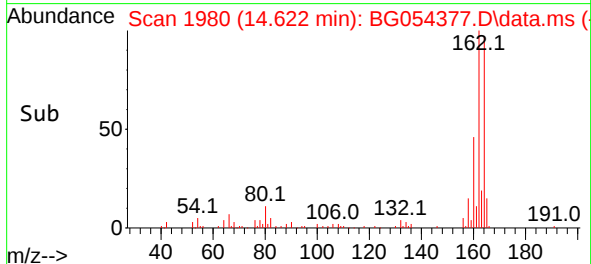
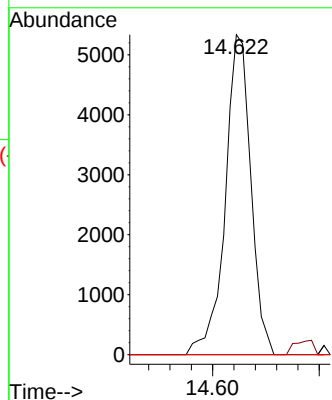
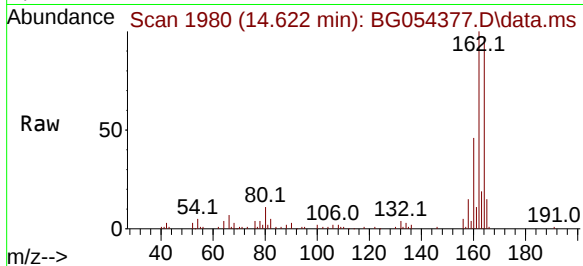




#51
2,6-Dinitrotoluene
Concen: 8.694 ng
RT: 14.622 min Scan# 11
Delta R.T. 0.418 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

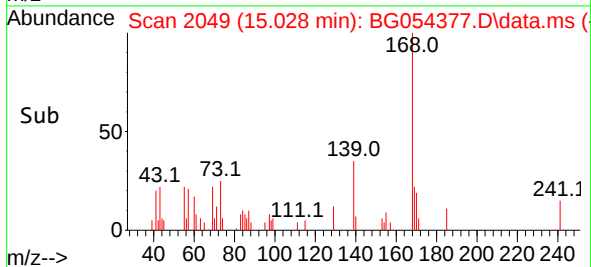
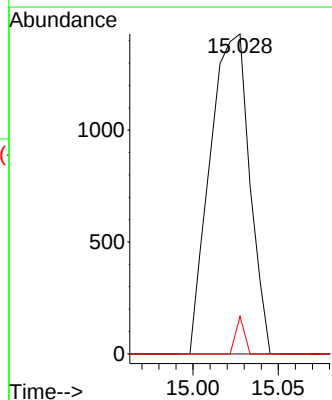
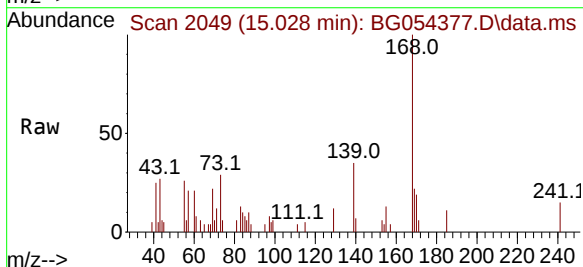
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

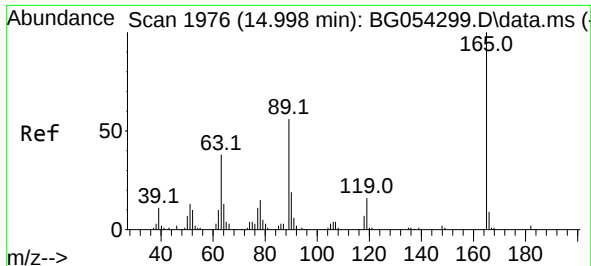
Tgt Ion:165 Resp: 8894
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#56
4-Nitrophenol
Concen: 4.029 ng
RT: 15.028 min Scan# 2049
Delta R.T. 0.172 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

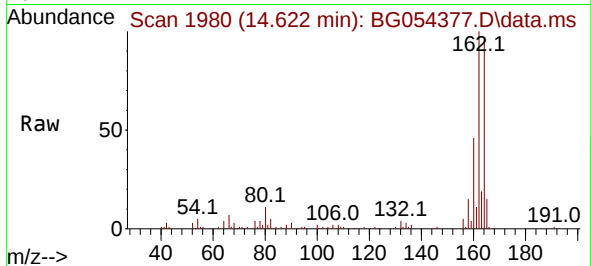
Tgt Ion:139 Resp: 2300
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 11.8 93.9 133.9#



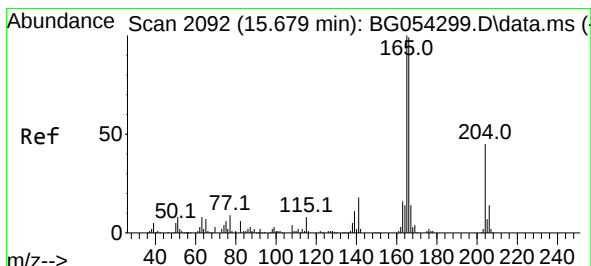
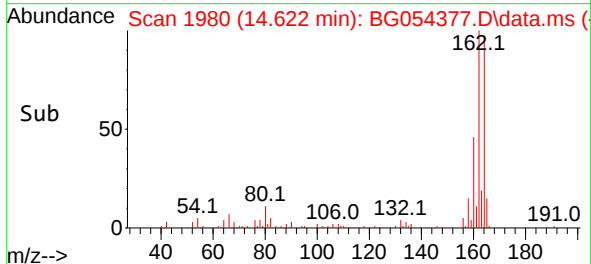
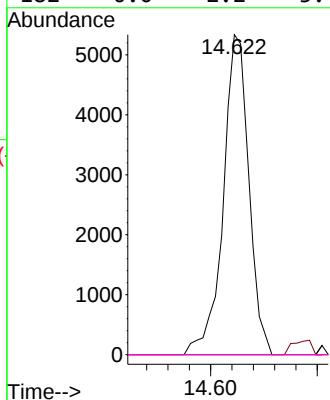


#57
2,4-Dinitrotoluene
Concen: 6.064 ng
RT: 14.622 min Scan# 1976
Delta R.T. -0.375 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

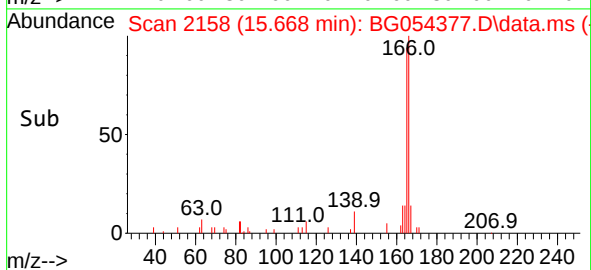
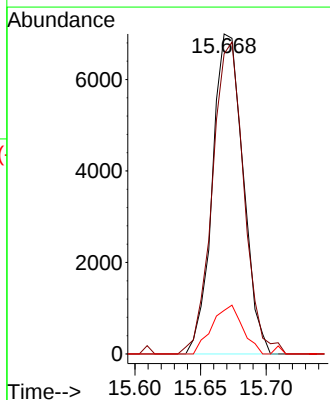
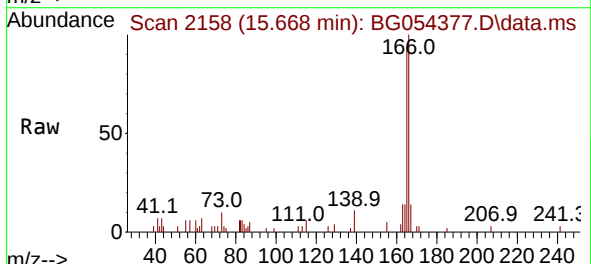


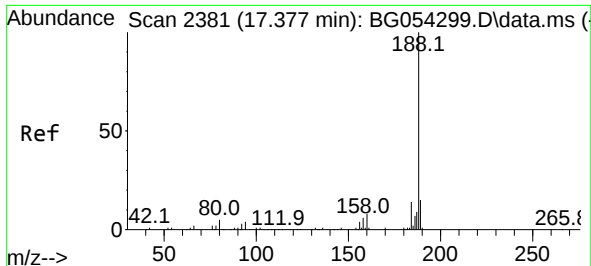
Tgt Ion:165 Resp: 8894
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#58
Fluorene
Concen: 2.530 ng
RT: 15.668 min Scan# 2158
Delta R.T. -0.011 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion:166 Resp: 11386
Ion Ratio Lower Upper
166 100
165 93.8 75.0 112.6
167 13.6 10.8 16.2

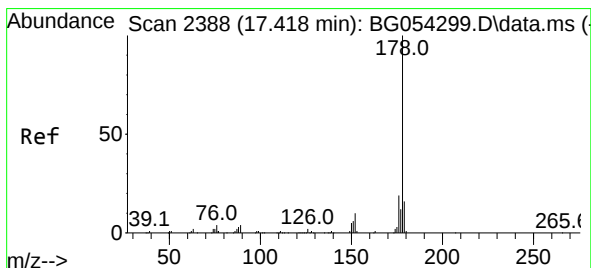
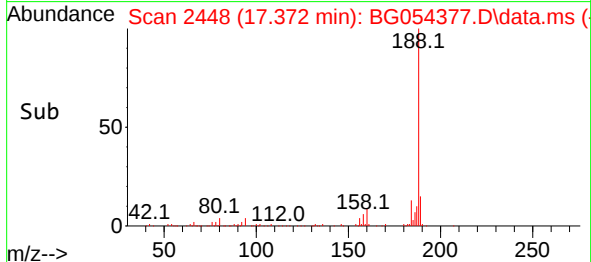
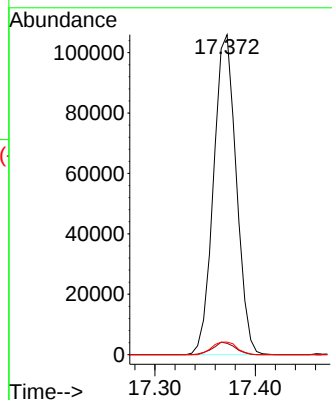
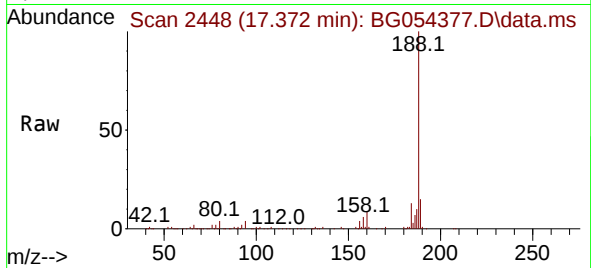




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

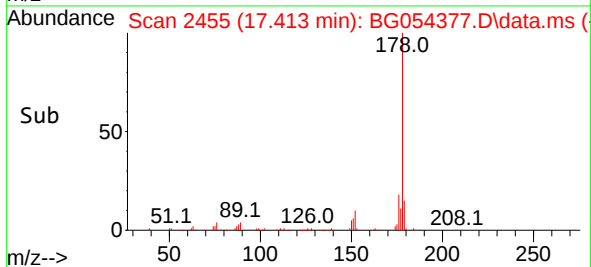
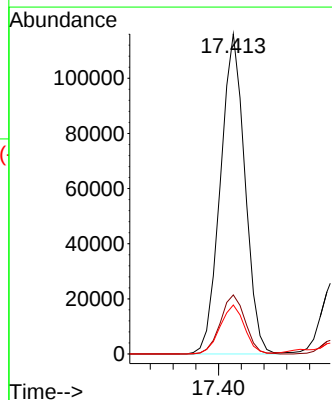
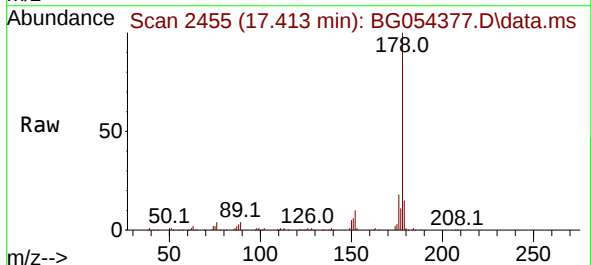
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

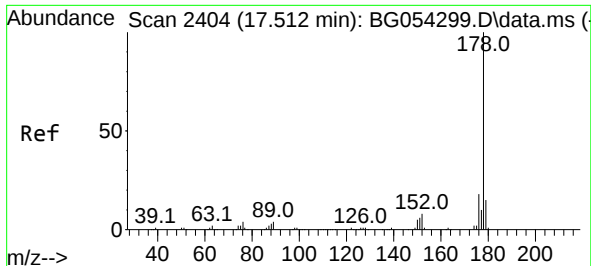
Tgt Ion:188 Resp: 166288
Ion Ratio Lower Upper
188 100
94 3.6 5.4 8.0#
80 4.0 6.8 10.2#



#71
Phenanthrene
Concen: 20.939 ng
RT: 17.413 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion:178 Resp: 173398
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 15.3 12.1 18.1

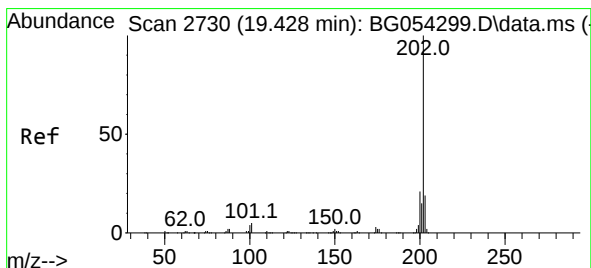
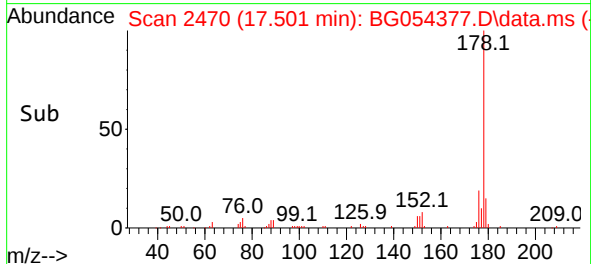
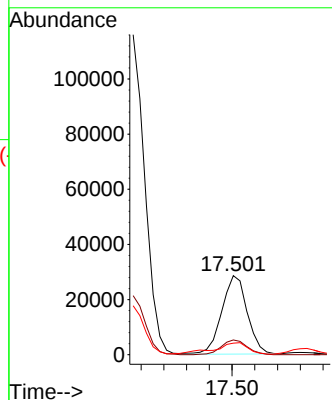
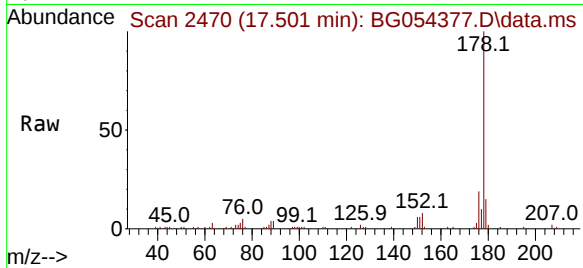




#72
 Anthracene
 Concen: 5.446 ng
 RT: 17.501 min Scan# 2404
 Delta R.T. -0.011 min
 Lab File: BG054377.D
 Acq: 25 Jul 2022 13:04

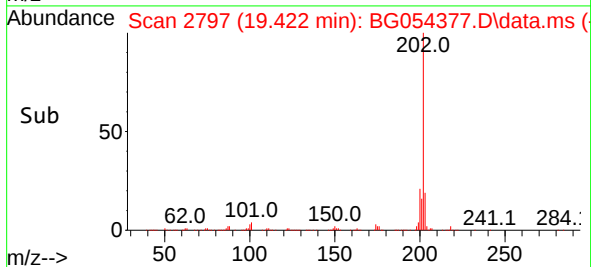
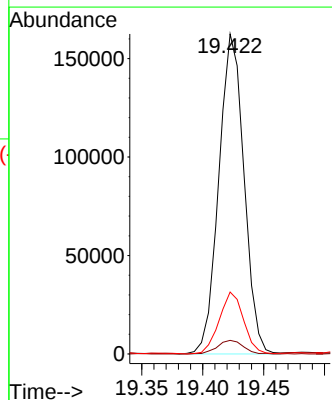
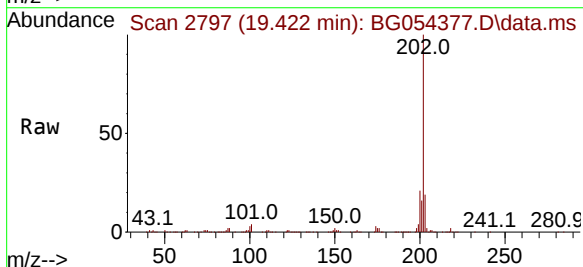
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(10-15)DL

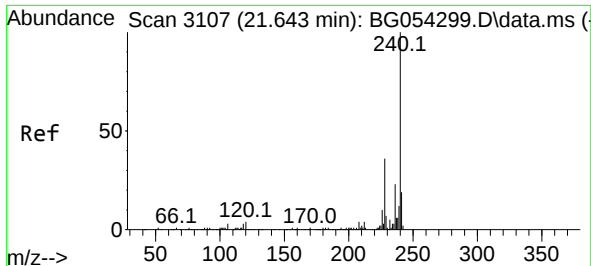
Tgt Ion:178 Resp: 44259
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 14.5 13.0 19.4



#75
 Fluoranthene
 Concen: 20.692 ng
 RT: 19.422 min Scan# 2797
 Delta R.T. -0.005 min
 Lab File: BG054377.D
 Acq: 25 Jul 2022 13:04

Tgt Ion:202 Resp: 233580
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 19.3 0.0 37.2

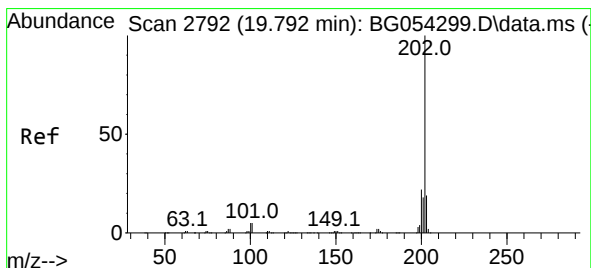
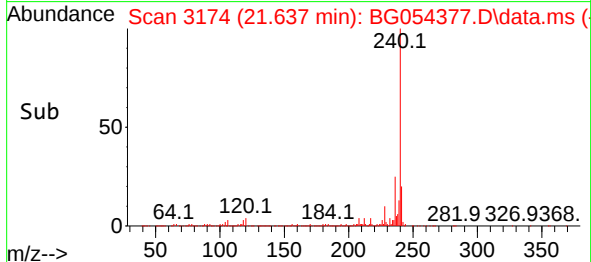
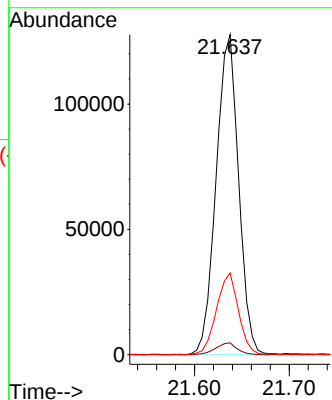
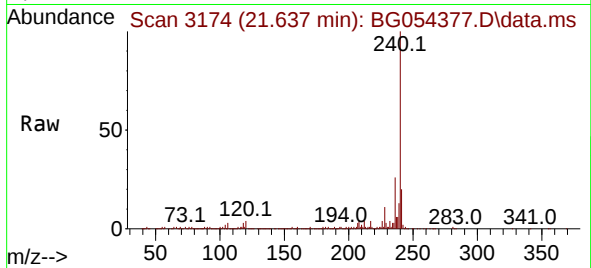




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

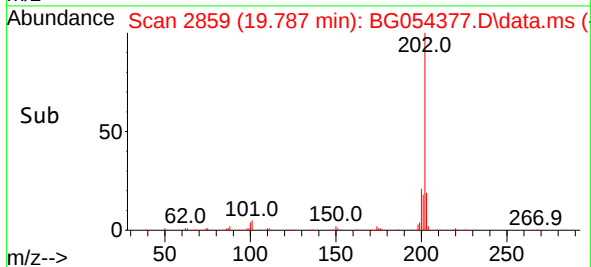
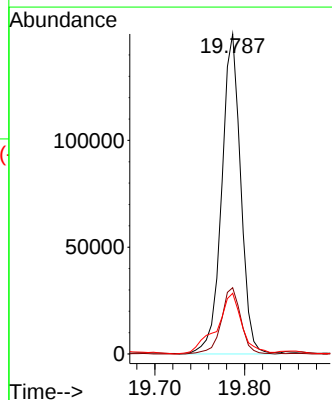
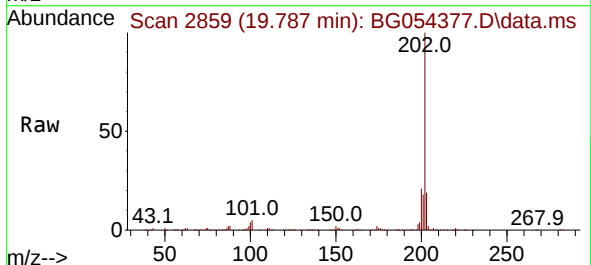
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

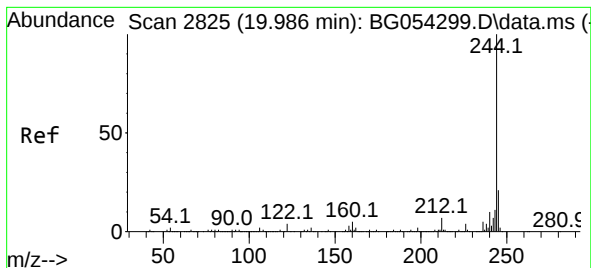
Tgt Ion:240 Resp: 210299
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 25.6 20.2 30.4



#78
Pyrene
Concen: 18.226 ng
RT: 19.787 min Scan# 2859
Delta R.T. -0.005 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion:202 Resp: 219934
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 19.0 14.6 21.8





#79

Terphenyl-d14

Concen: 1.469 ng

RT: 19.975 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG054377.D

Acq: 25 Jul 2022 13:04

Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(10-15)DL

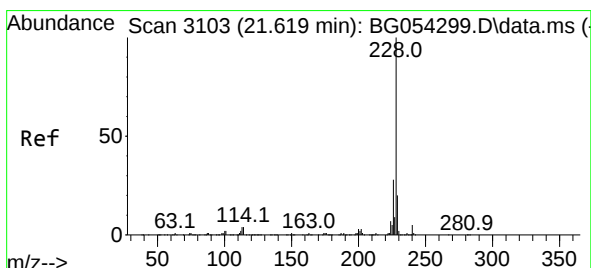
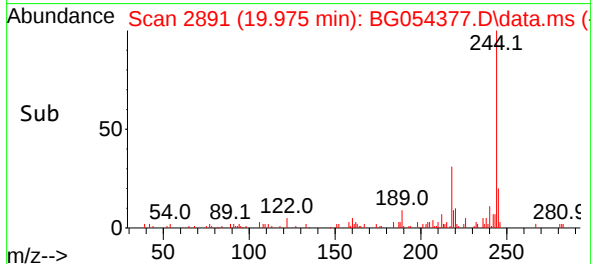
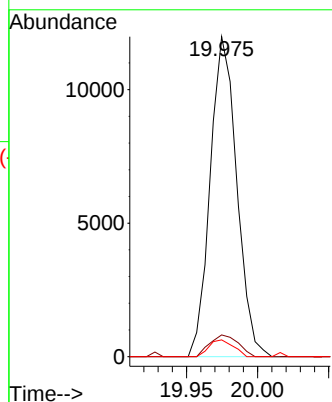
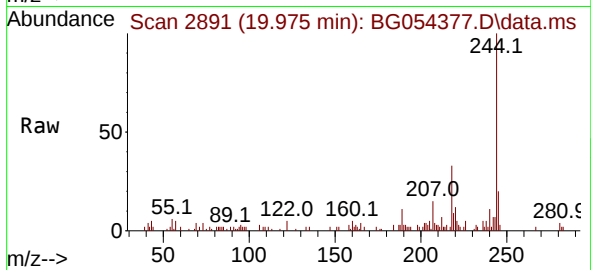
Tgt Ion:244 Resp: 15569

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

122 5.2 5.0 7.4



#81

Benzo(a)anthracene

Concen: 9.728 ng

RT: 21.614 min Scan# 3170

Delta R.T. -0.005 min

Lab File: BG054377.D

Acq: 25 Jul 2022 13:04

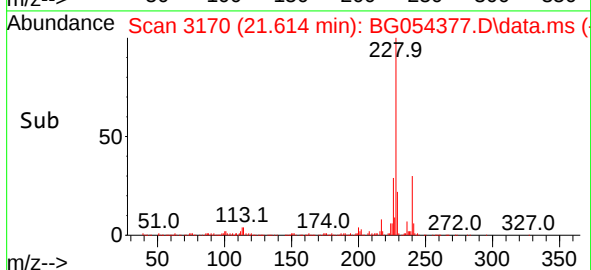
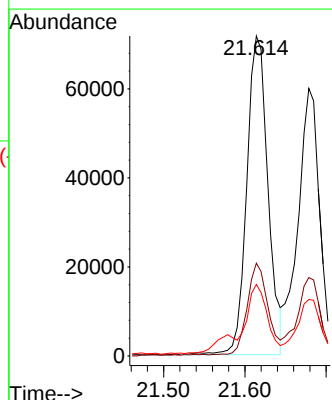
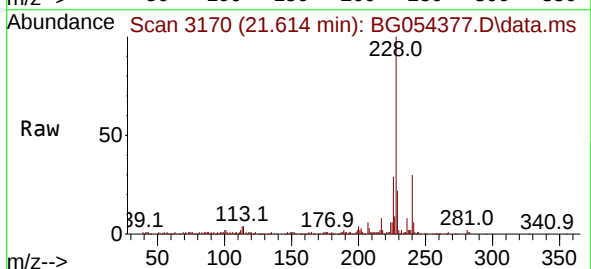
Tgt Ion:228 Resp: 129866

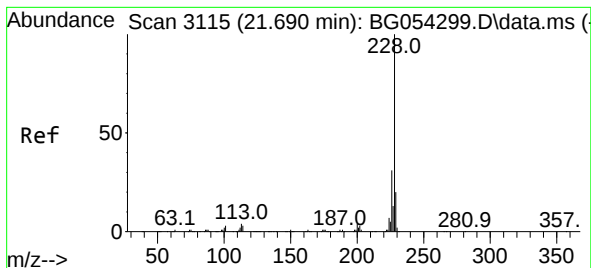
Ion Ratio Lower Upper

228 100

226 29.0 21.6 32.4

229 22.3 16.2 24.2





#83

Chrysene

Concen: 8.790 ng

RT: 21.679 min Scan# 3115

Delta R.T. -0.011 min

Lab File: BG054377.D

Acq: 25 Jul 2022 13:04

Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(10-15)DL

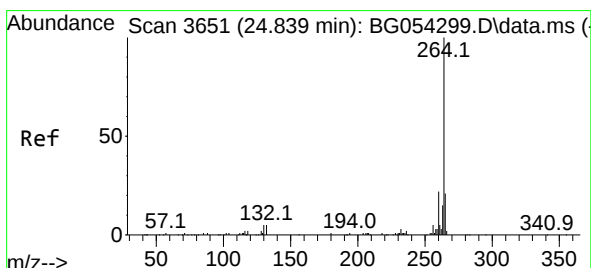
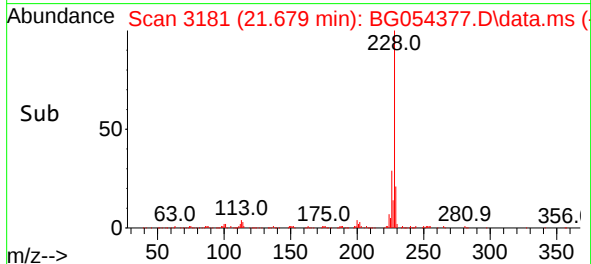
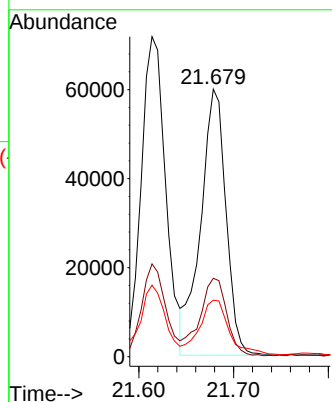
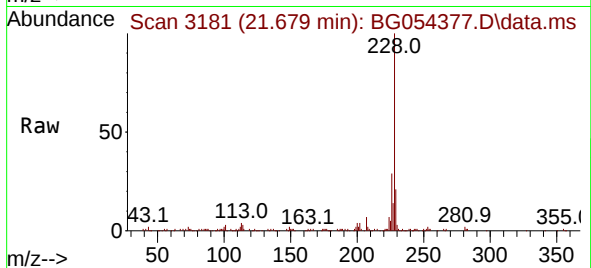
Tgt Ion:228 Resp: 110864

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 21.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.840 min Scan# 3719

Delta R.T. 0.001 min

Lab File: BG054377.D

Acq: 25 Jul 2022 13:04

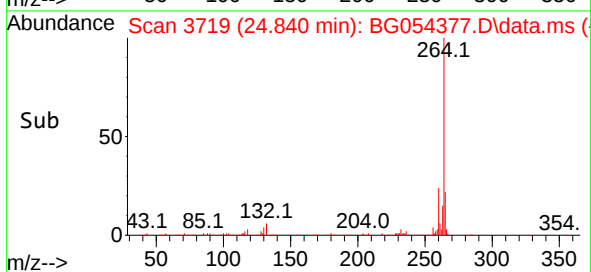
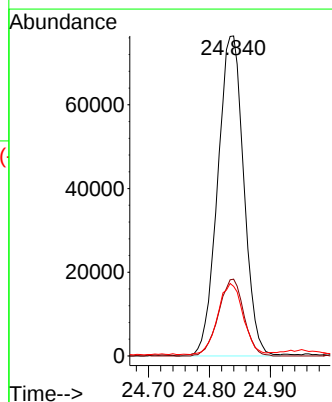
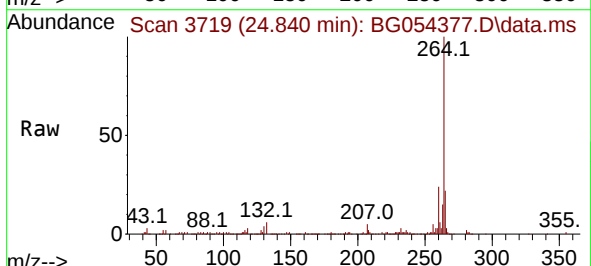
Tgt Ion:264 Resp: 226996

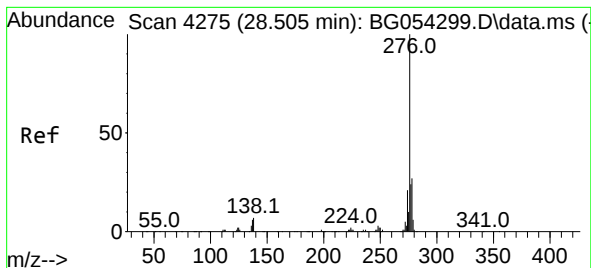
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.724 ng

RT: 28.494 min Scan# 41

Delta R.T. -0.011 min

Lab File: BG054377.D

Acq: 25 Jul 2022 13:04

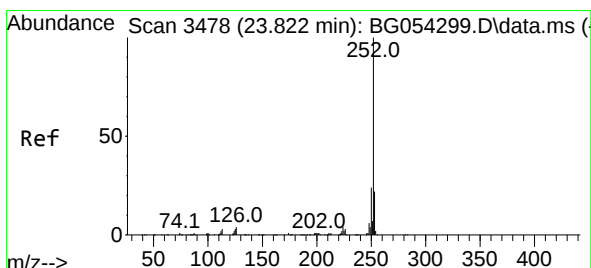
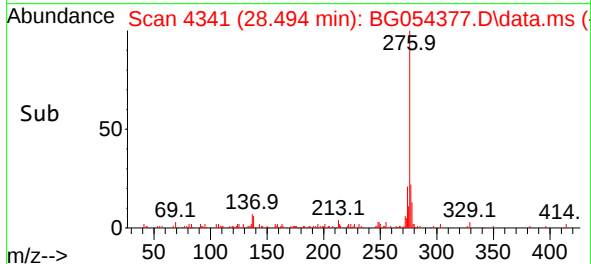
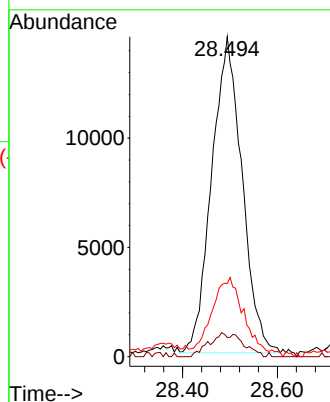
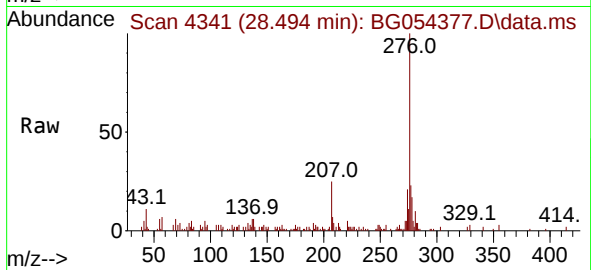
Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(10-15)DL

Tgt Ion:276 Resp: 64306
 Ion Ratio Lower Upper
 276 100
 138 4.5 5.0 7.4#
 277 22.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.803 ng

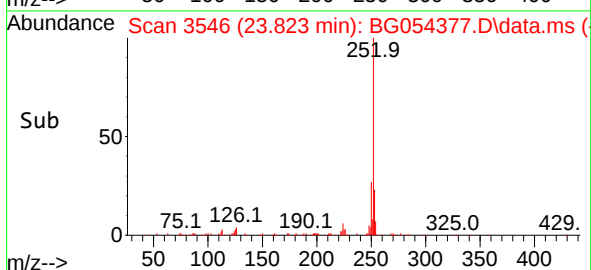
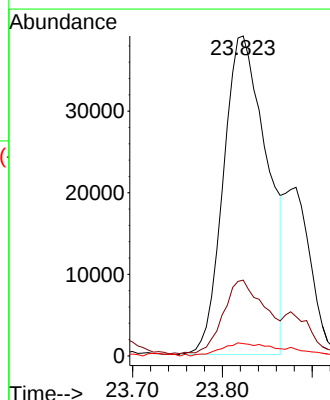
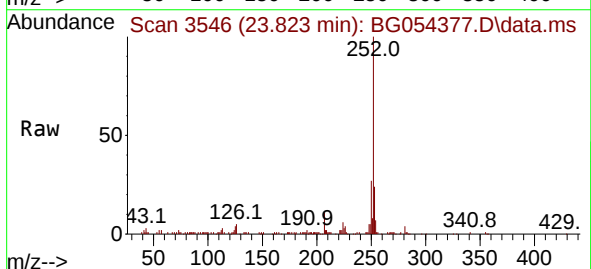
RT: 23.823 min Scan# 3546

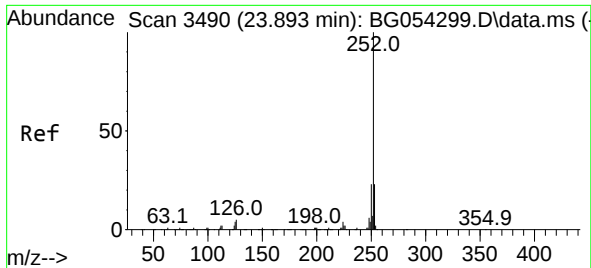
Delta R.T. 0.001 min

Lab File: BG054377.D

Acq: 25 Jul 2022 13:04

Tgt Ion:252 Resp: 131601
 Ion Ratio Lower Upper
 252 100
 253 23.7 18.0 27.0
 125 3.8 4.6 6.8#

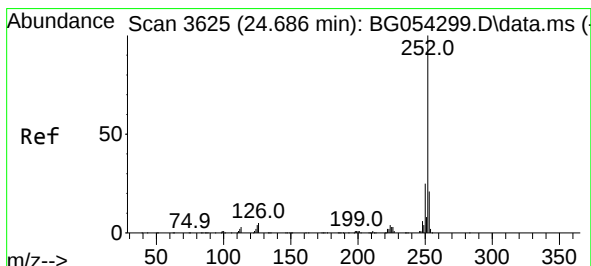
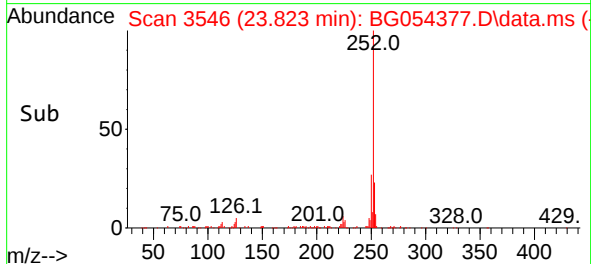
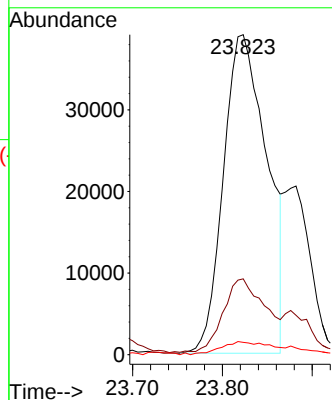
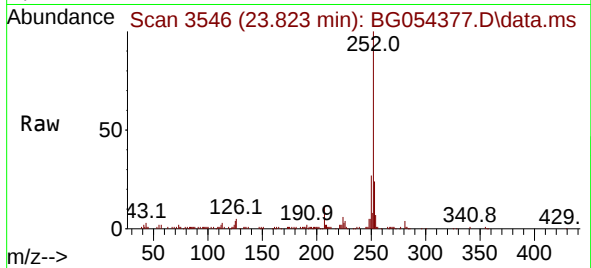




#89
Benzo(k)fluoranthene
Concen: 9.850 ng
RT: 23.823 min Scan# 311
Delta R.T. -0.070 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

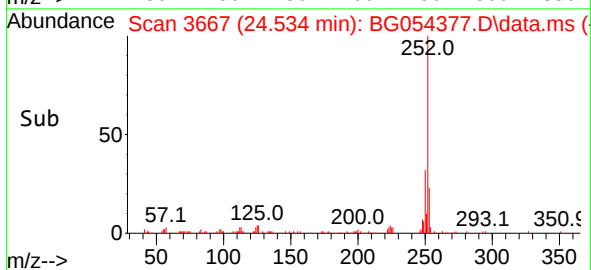
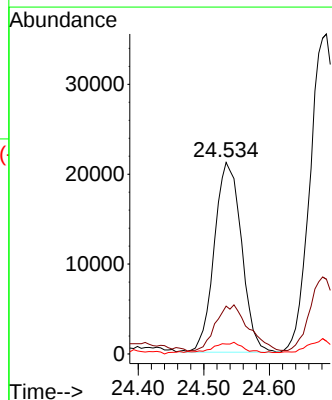
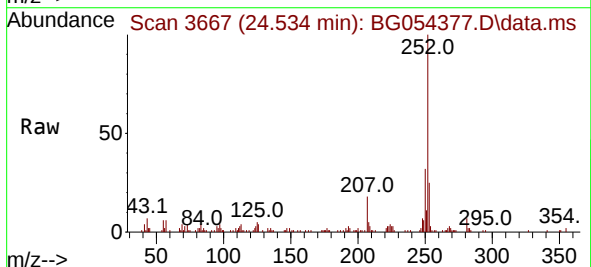
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(10-15)DL

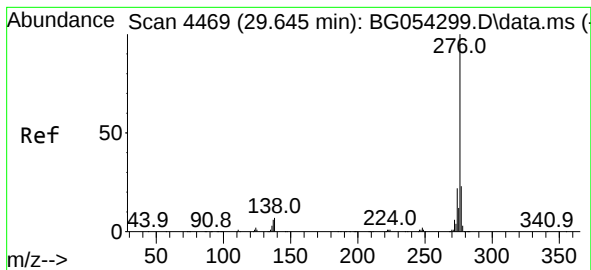
Tgt Ion:252 Resp: 131601
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 3.8 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 5.302 ng
RT: 24.534 min Scan# 3667
Delta R.T. -0.152 min
Lab File: BG054377.D
Acq: 25 Jul 2022 13:04

Tgt Ion:252 Resp: 60785
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 5.2 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 4.512 ng

RT: 29.640 min Scan# 4

Delta R.T. -0.005 min

Lab File: BG054377.D

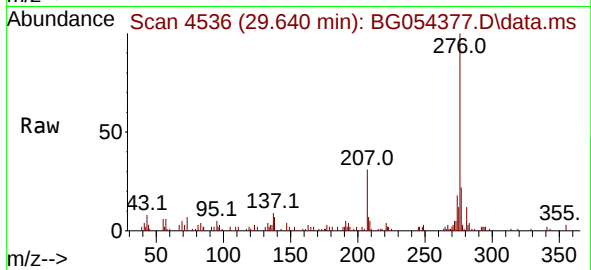
Acq: 25 Jul 2022 13:04

Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(10-15)DL



Tgt Ion:276 Resp: 63237

Ion Ratio Lower Upper

276 100

277 22.5 17.3 25.9

138 7.3 9.6 14.4#

