

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054379.D
 Acq On : 25 Jul 2022 14:27
 Operator : CG/JU
 Sample : N3814-07DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(0-5)DL

Quant Time: Jul 26 00:54:43 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)

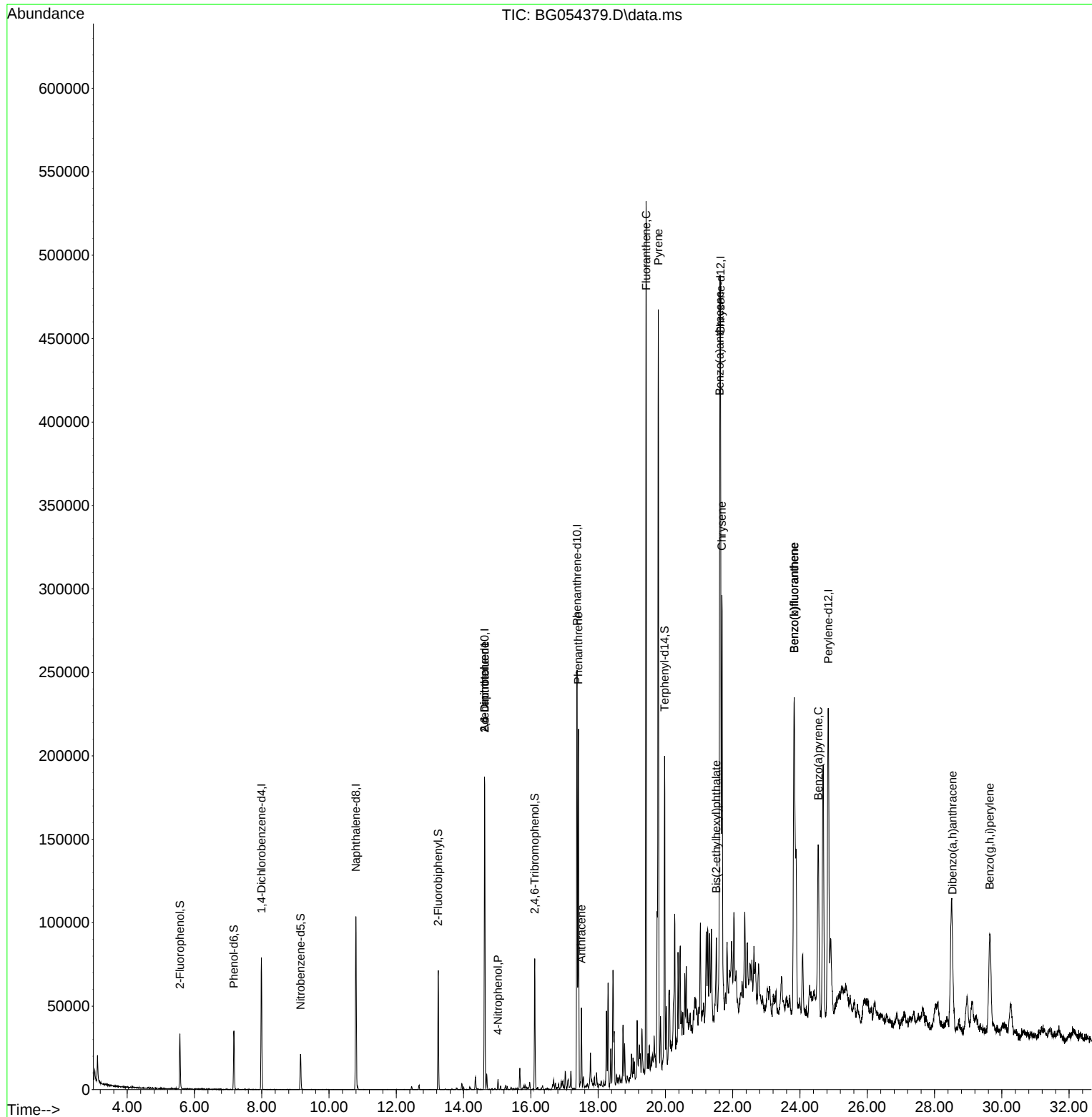
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.989	152	25110	20.000	ng	-0.01
21) Naphthalene-d8	10.798	136	93976	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	73544	20.000	ng	-0.01
64) Phenanthrene-d10	17.372	188	191101	20.000	ng	# 0.00
76) Chrysene-d12	21.638	240	215224	20.000	ng	# 0.00
86) Perylene-d12	24.840	264	231021	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	16287	13.543	ng	0.00
7) Phenol-d6	7.167	99	21829	13.246	ng	0.00
23) Nitrobenzene-d5	9.152	82	14379	8.332	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	20444	13.240	ng	-0.01
45) 2-Fluorobiphenyl	13.248	172	43338	8.313	ng	-0.01
79) Terphenyl-d14	19.975	244	94588	8.719	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.622	165	10243	8.129	ng	# 16
56) 4-Nitrophenol	15.022	139	1412	2.008	ng	# 1
57) 2,4-Dinitrotoluene	14.622	165	10243	5.671	ng	# 21
71) Phenanthrene	17.413	178	155803	16.372	ng	97
72) Anthracene	17.501	178	36596	3.919	ng	99
75) Fluoranthene	19.429	202	374221	28.846	ng	96
78) Pyrene	19.787	202	333661	27.018	ng	98
81) Benzo(a)anthracene	21.614	228	227716	16.668	ng	98
83) Chrysene	21.679	228	198156	15.352	ng	95
84) Bis(2-ethylhexyl)phtha...	21.514	149	18728	3.439	ng	# 94
88) Benzo(b)fluoranthene	23.829	252	282548	20.681	ng	# 98
89) Benzo(k)fluoranthene	23.829	252	282548	20.780	ng	# 99
90) Benzo(a)pyrene	24.540	252	129362	11.087	ng	99
91) Dibenzo(a,h)anthracene	28.536	278	41518	2.873	ng	# 89
92) Benzo(g,h,i)perylene	29.640	276	137209	9.620	ng	# 93

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

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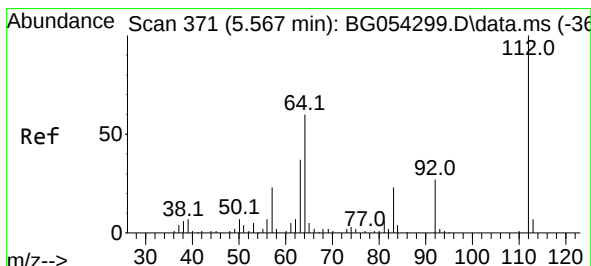
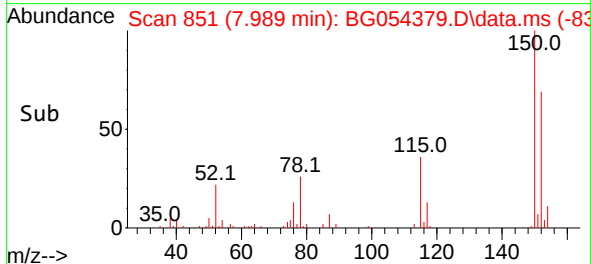
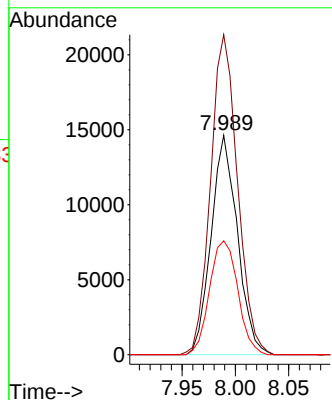
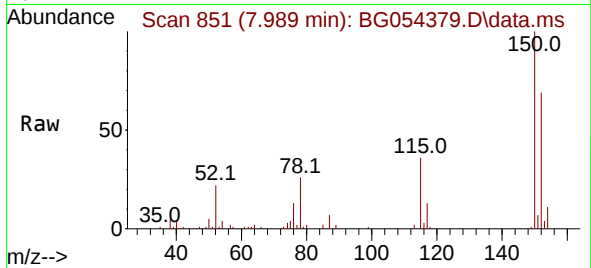




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

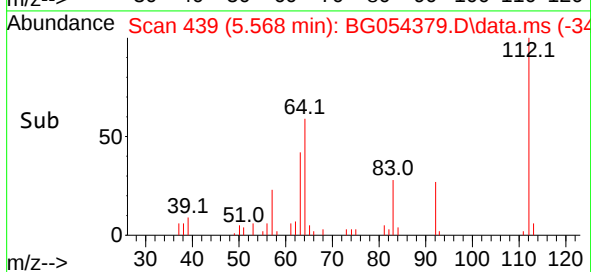
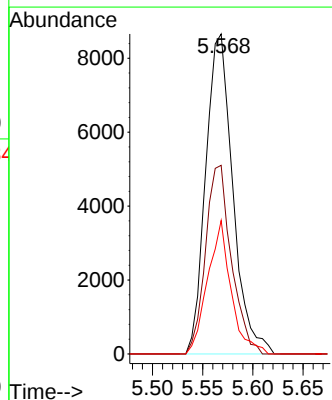
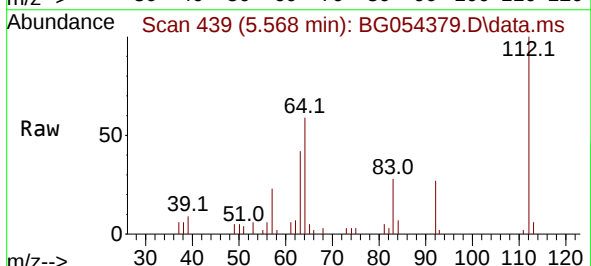
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL

Tgt Ion:152 Resp: 25110
Ion Ratio Lower Upper
152 100
150 145.9 131.6 197.4
115 52.0 50.9 76.3



#5
2-Fluorophenol
Concen: 13.543 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.001 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

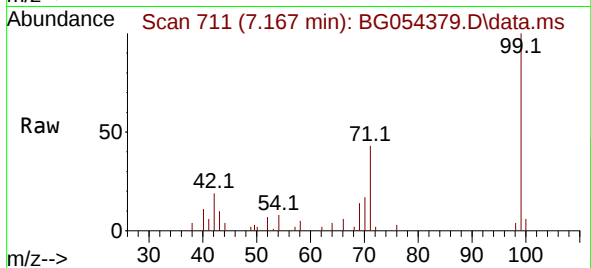
Tgt Ion:112 Resp: 16287
Ion Ratio Lower Upper
112 100
64 59.0 55.1 82.7
63 41.7 30.4 45.6



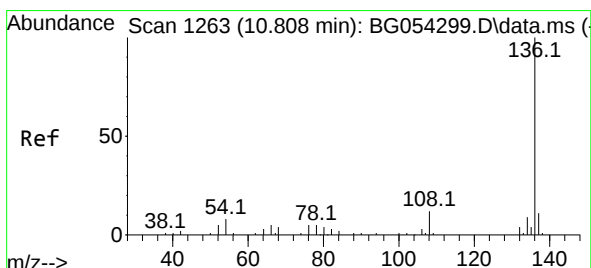
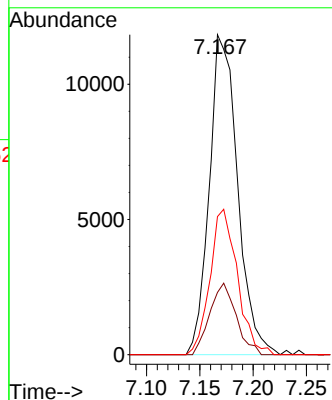
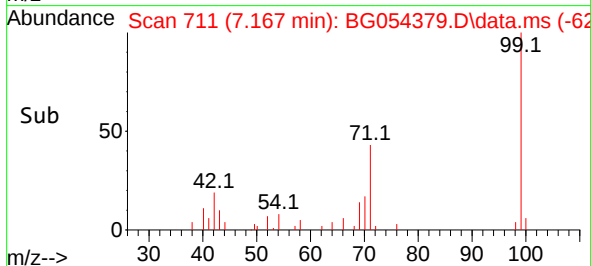


#7
Phenol-d6
Concen: 13.246 ng
RT: 7.167 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

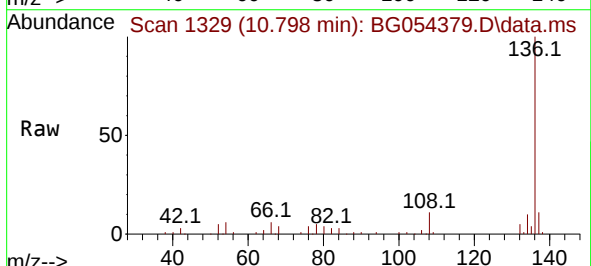
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL



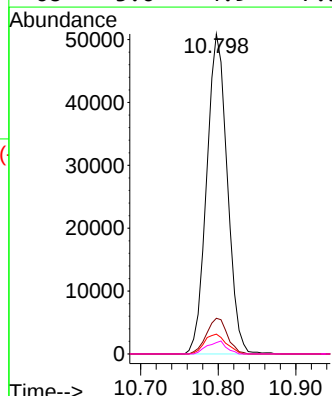
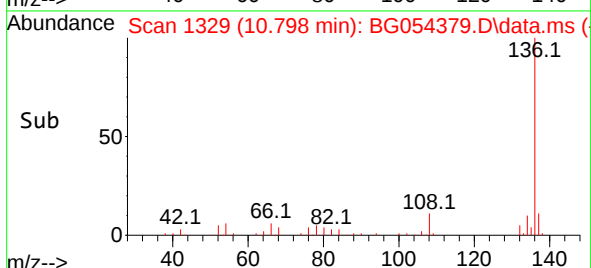
Tgt Ion: 99 Resp: 21829
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.6
71 43.2 33.8 50.8

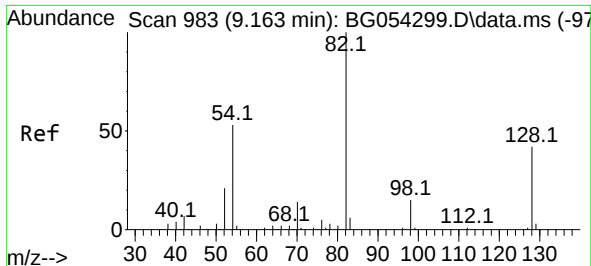


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1329
Delta R.T. -0.010 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27



Tgt Ion: 136 Resp: 93976
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.2 7.4 11.2#
68 3.6 4.9 7.3#

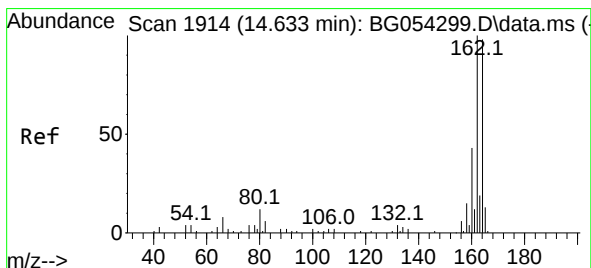
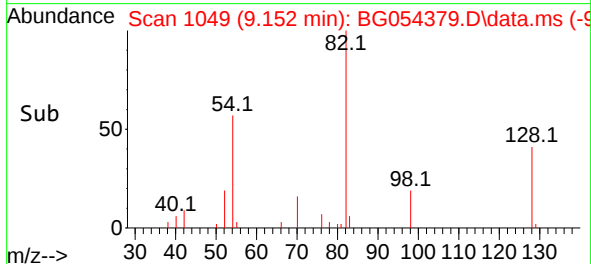
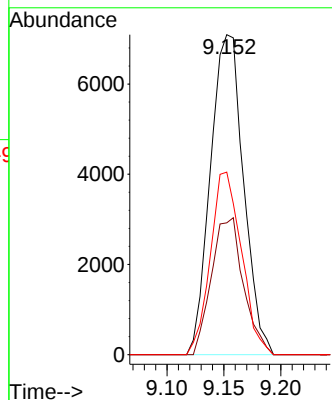
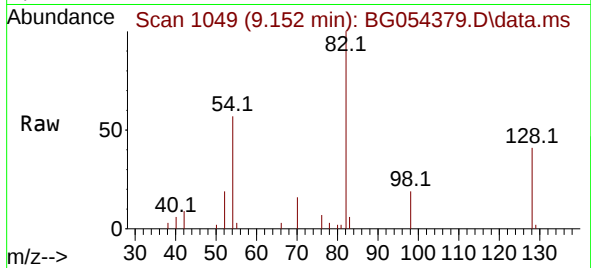




#23
Nitrobenzene-d5
Concen: 8.332 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

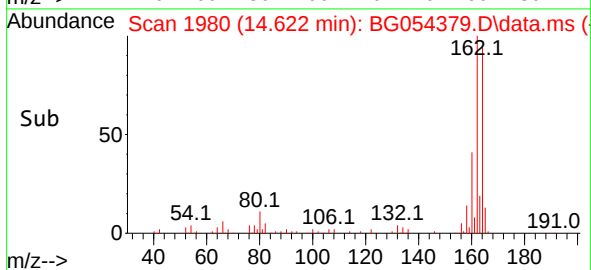
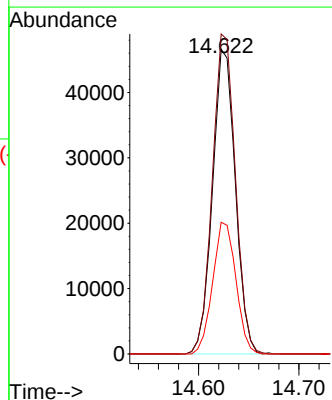
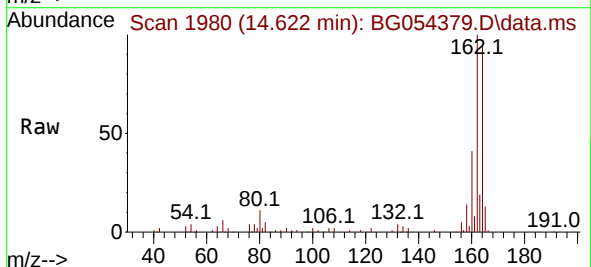
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL

Tgt Ion: 82 Resp: 14379
Ion Ratio Lower Upper
82 100
128 41.2 27.9 41.9
54 57.1 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: BG054379.D
Acq: 25 Jul 2022 14:27

Tgt Ion:164 Resp: 73544
Ion Ratio Lower Upper
164 100
162 105.0 82.3 123.5
160 43.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 13.240 ng

RT: 16.115 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG054379.D

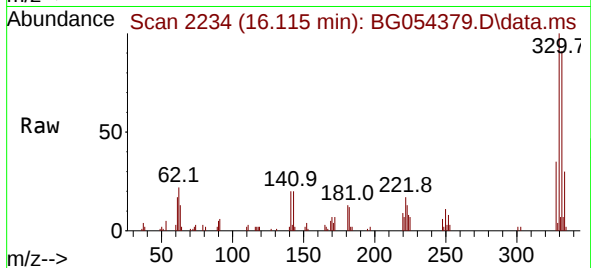
Acq: 25 Jul 2022 14:27

Instrument :

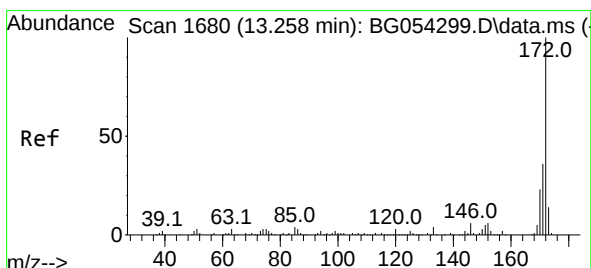
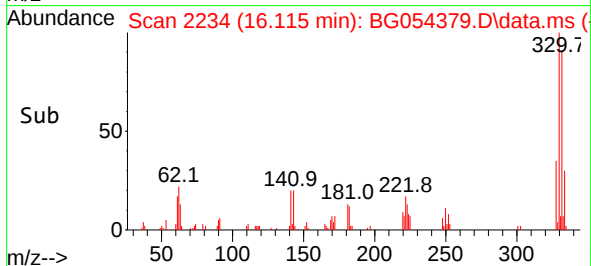
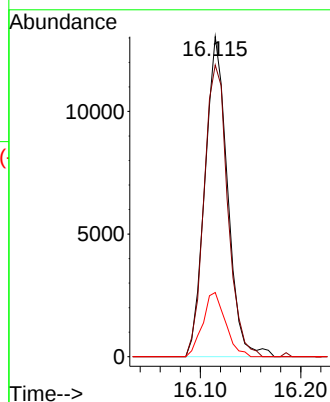
BNA_G

ClientSampleId :

ENV-DE-2(0-5)DL



Tgt Ion:	330	Resp:	20444
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.0	114.0
141	20.2	27.1	40.7#



#45

2-Fluorobiphenyl

Concen: 8.313 ng

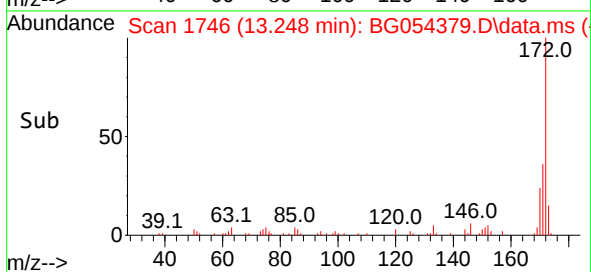
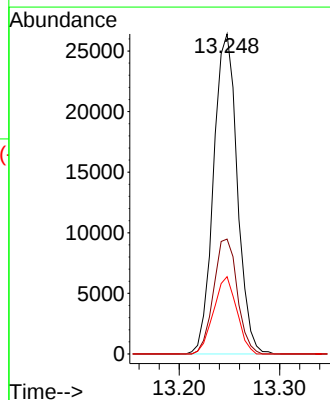
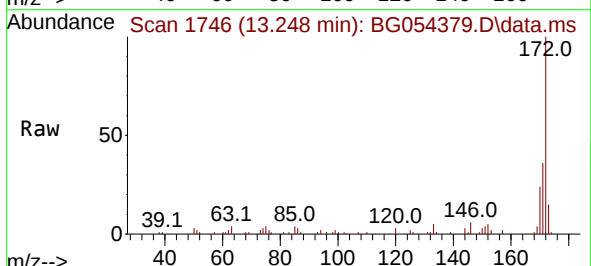
RT: 13.248 min Scan# 1746

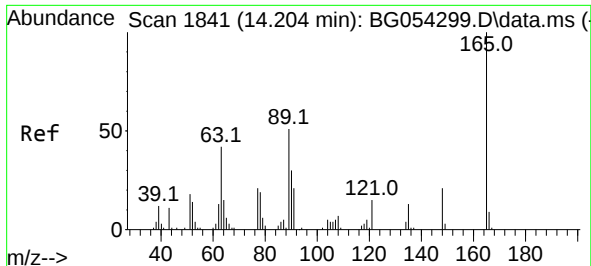
Delta R.T. -0.011 min

Lab File: BG054379.D

Acq: 25 Jul 2022 14:27

Tgt Ion:	172	Resp:	43338
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.5	42.7
170	24.2	18.9	28.3





#51

2,6-Dinitrotoluene

Concen: 8.129 ng

RT: 14.622 min Scan# 1980

Delta R.T. 0.418 min

Lab File: BG054379.D

Acq: 25 Jul 2022 14:27

Instrument :

BNA_G

ClientSampleId :

ENV-DE-2(0-5)DL

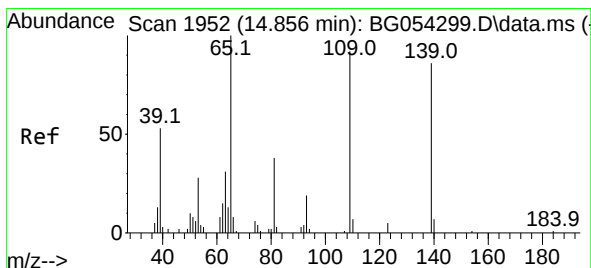
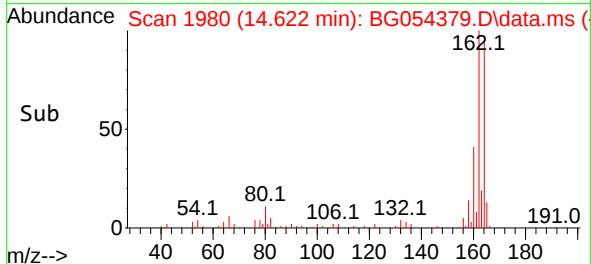
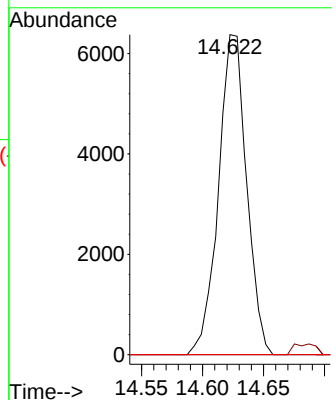
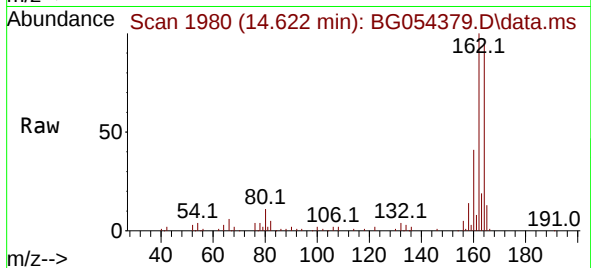
Tgt Ion:165 Resp: 10243

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#56

4-Nitrophenol

Concen: 2.008 ng

RT: 15.022 min Scan# 2048

Delta R.T. 0.166 min

Lab File: BG054379.D

Acq: 25 Jul 2022 14:27

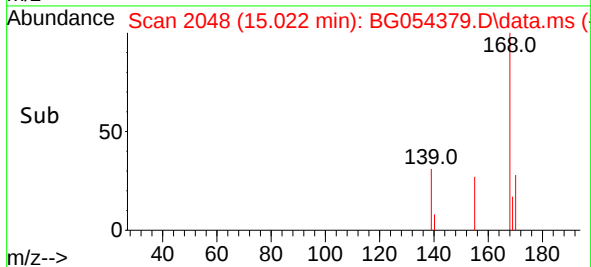
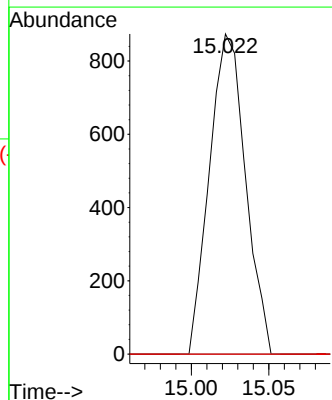
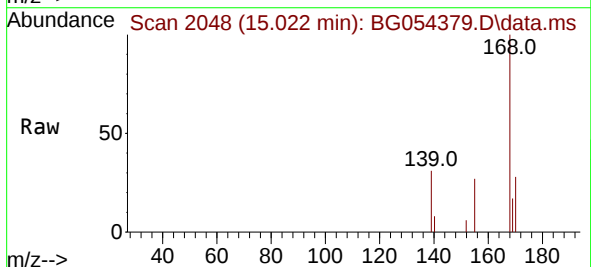
Tgt Ion:139 Resp: 1412

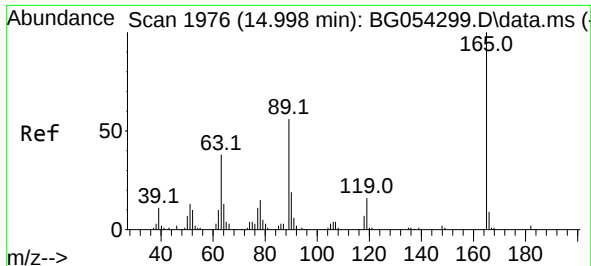
Ion Ratio Lower Upper

139 100

109 0.0 88.5 128.5#

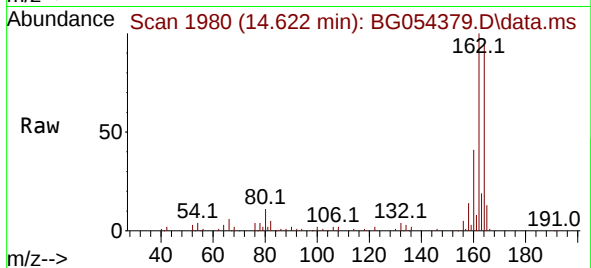
65 0.0 93.9 133.9#



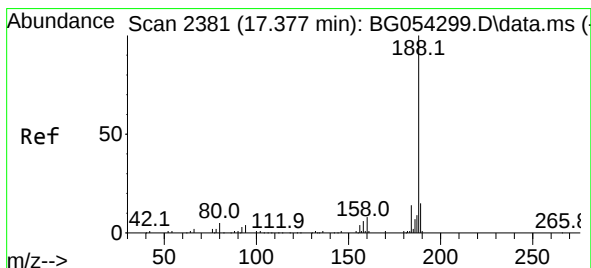
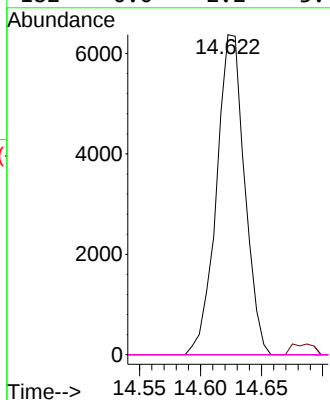
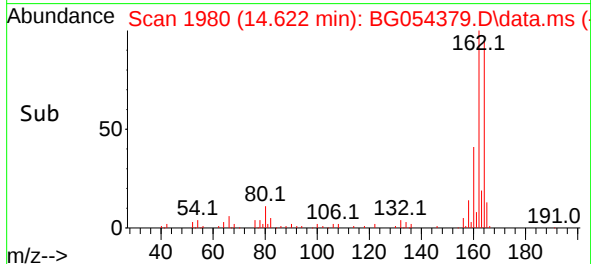


#57
2,4-Dinitrotoluene
Concen: 5.671 ng
RT: 14.622 min Scan# 14
Delta R.T. -0.375 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

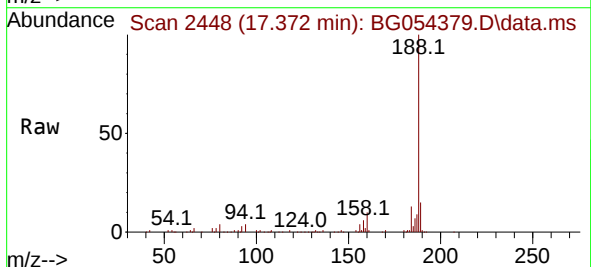
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL



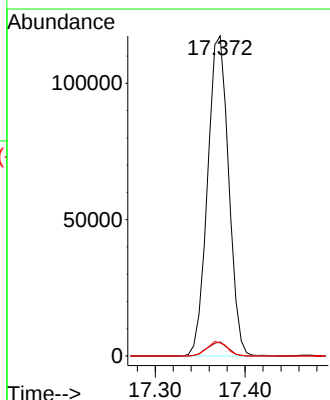
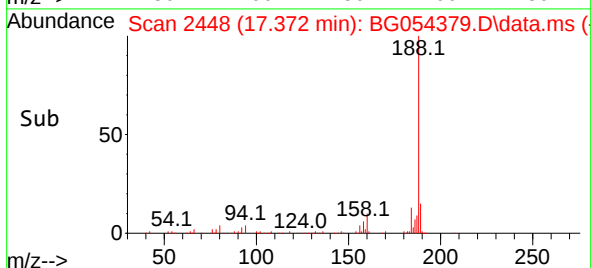
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Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

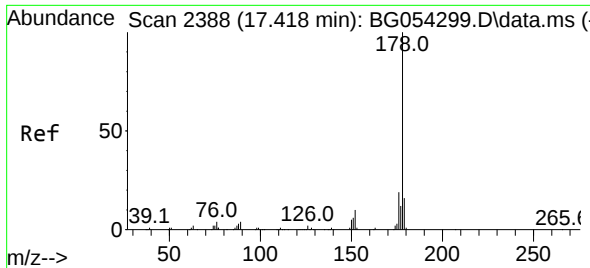


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27



Tgt Ion:188 Resp: 191101
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.1 6.8 10.2#

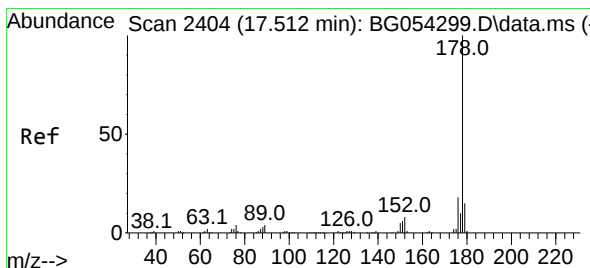
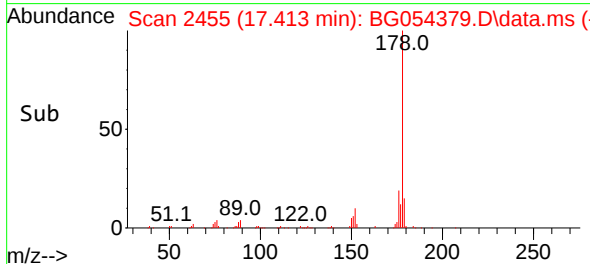
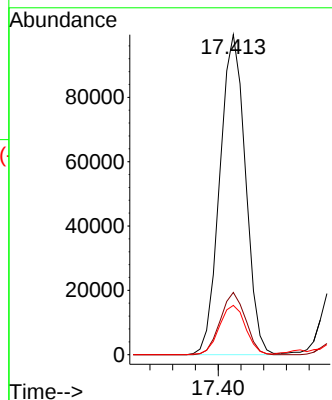
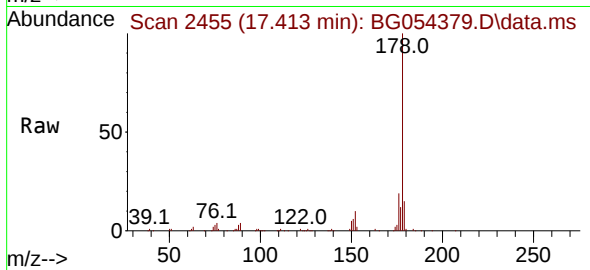




#71
Phenanthrene
Concen: 16.372 ng
RT: 17.413 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

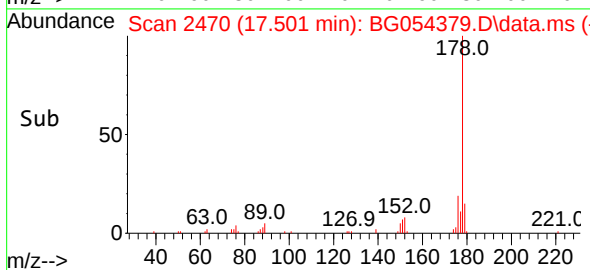
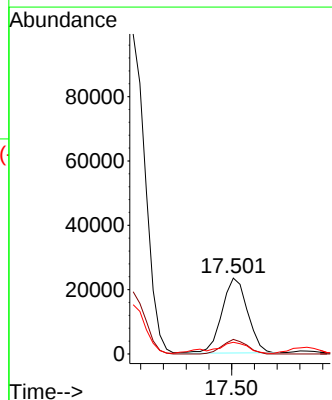
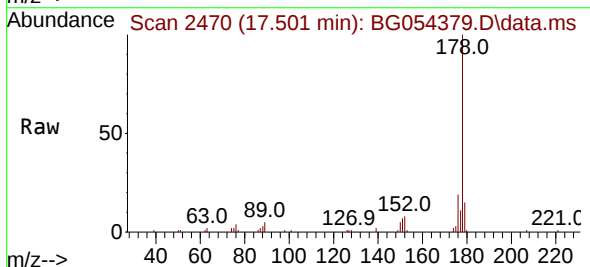
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL

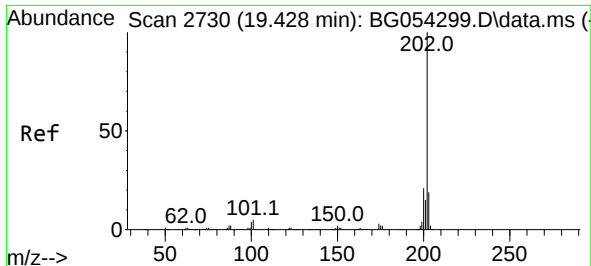
Tgt Ion:178 Resp: 155803
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 15.4 12.1 18.1



#72
Anthracene
Concen: 3.919 ng
RT: 17.501 min Scan# 2470
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Tgt Ion:178 Resp: 36596
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.4 13.0 19.4

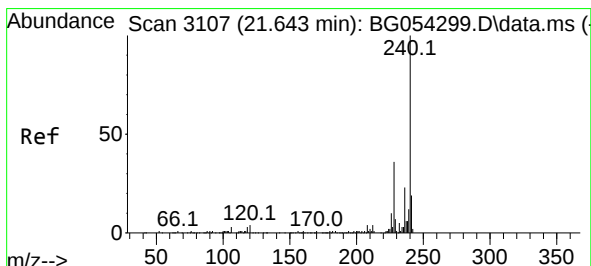
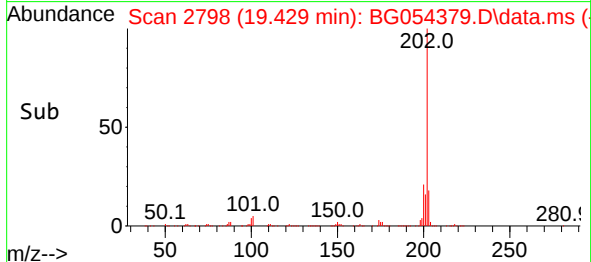
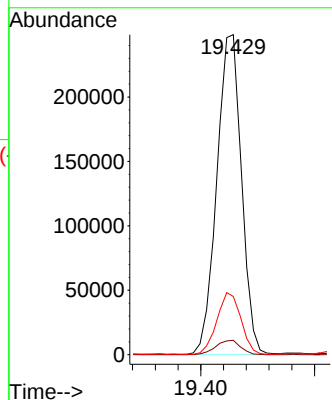
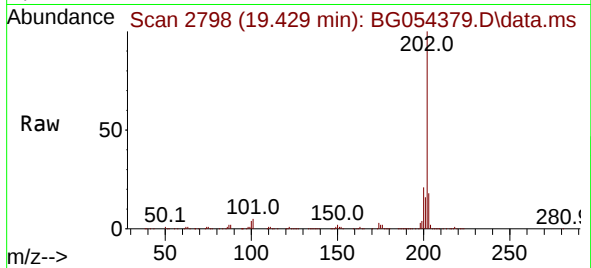




#75
Fluoranthene
Concen: 28.846 ng
RT: 19.429 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

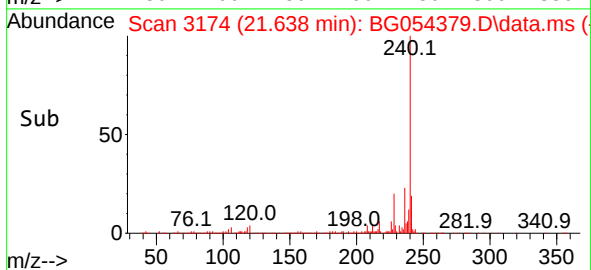
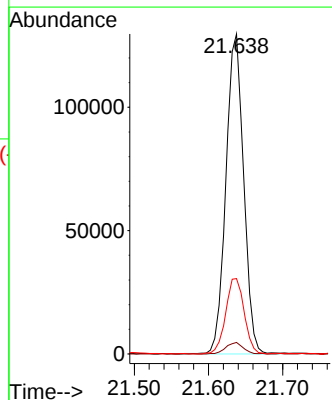
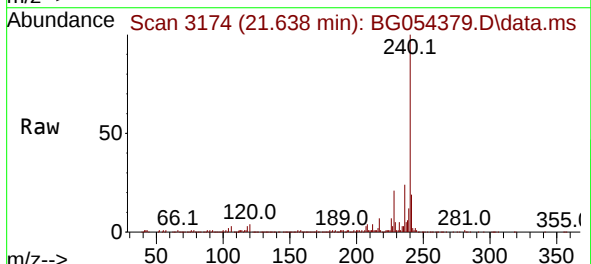
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL

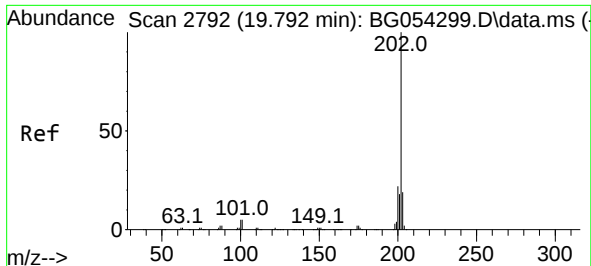
Tgt Ion:202 Resp: 374221
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 18.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.638 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Tgt Ion:240 Resp: 215224
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 23.5 20.2 30.4

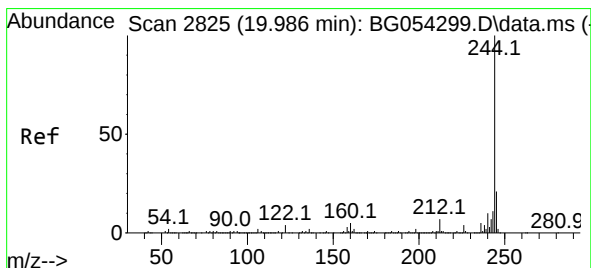
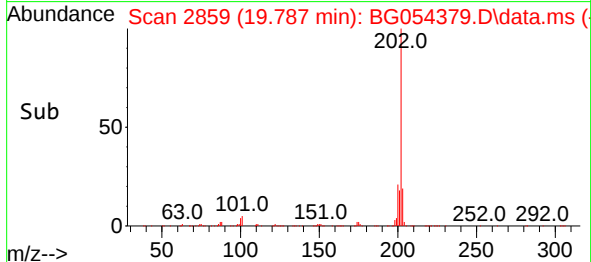
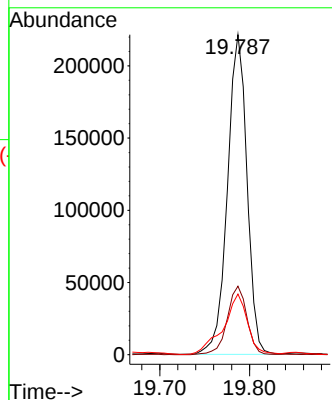
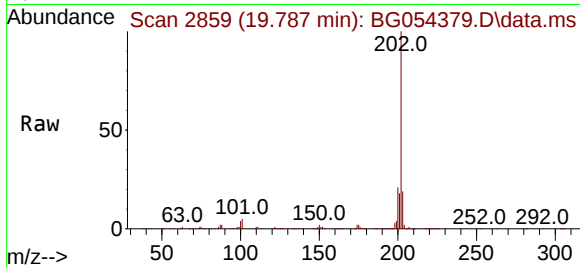




#78
 Pyrene
 Concen: 27.018 ng
 RT: 19.787 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27

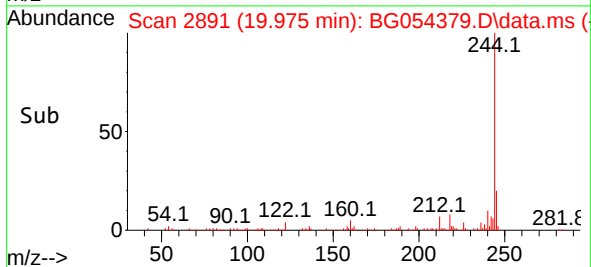
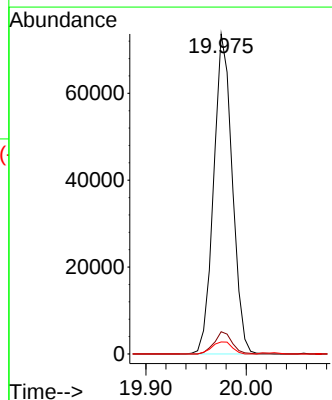
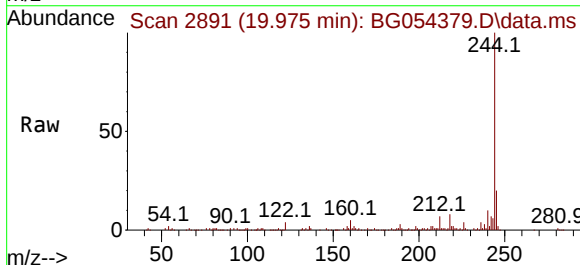
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(0-5)DL

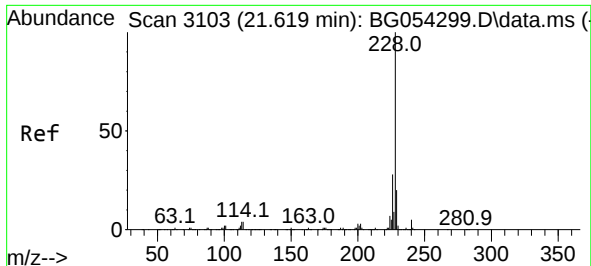
Tgt Ion:	202	Resp:	333661
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.6	24.8
203	19.0	14.6	21.8



#79
 Terphenyl-d14
 Concen: 8.719 ng
 RT: 19.975 min Scan# 2891
 Delta R.T. -0.011 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27

Tgt Ion:	244	Resp:	94588
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.5	9.7
122	3.8	5.0	7.4#

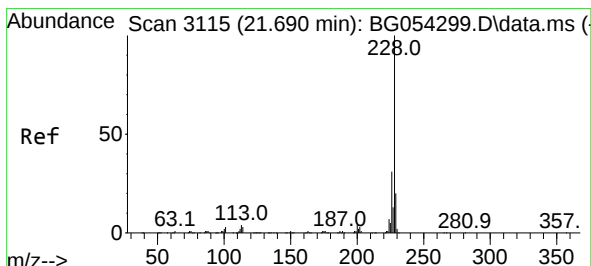
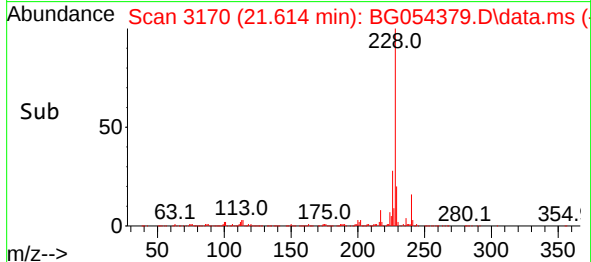
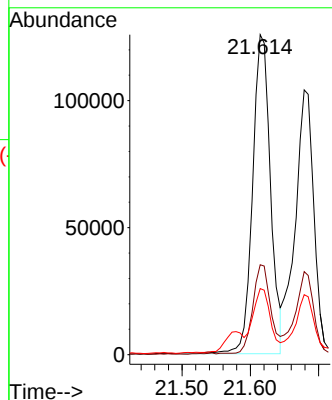
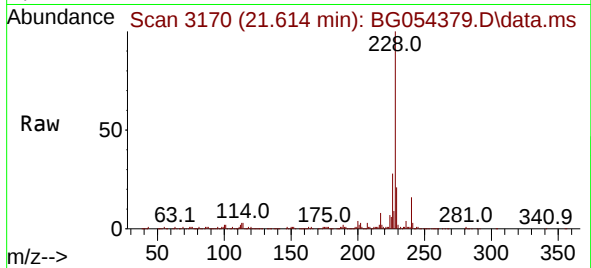




#81
Benzo(a)anthracene
Concen: 16.668 ng
RT: 21.614 min Scan# 3103
Delta R.T. -0.005 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

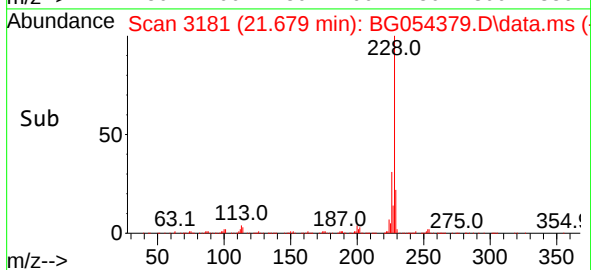
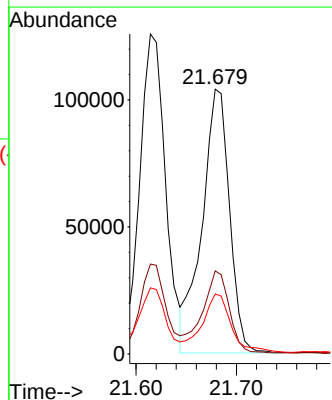
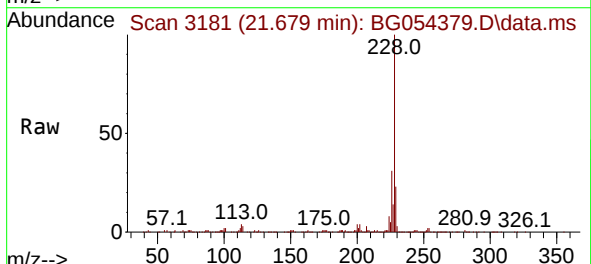
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL

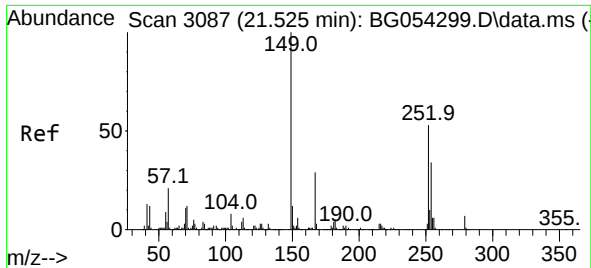
Tgt Ion:228 Resp: 227716
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 20.6 16.2 24.2



#83
Chrysene
Concen: 15.352 ng
RT: 21.679 min Scan# 3181
Delta R.T. -0.011 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Tgt Ion:228 Resp: 198156
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.2
229 22.7 15.5 23.3

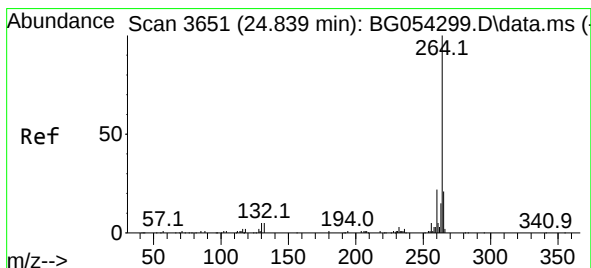
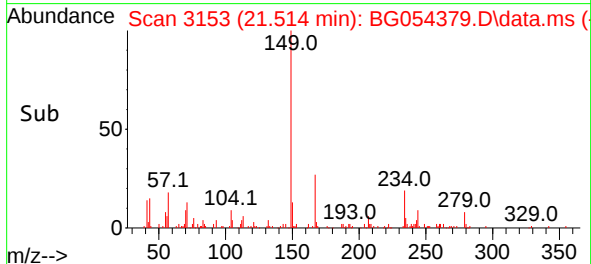
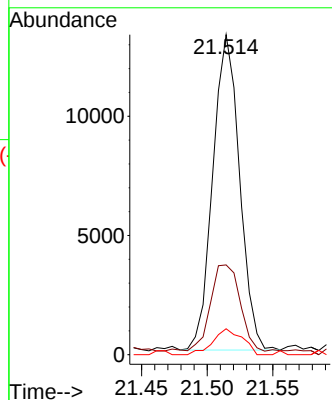
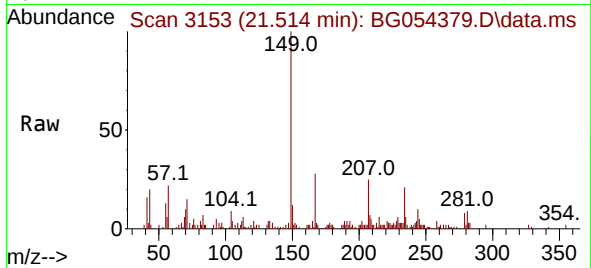




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.439 ng
 RT: 21.514 min Scan# 3153
 Delta R.T. -0.011 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27

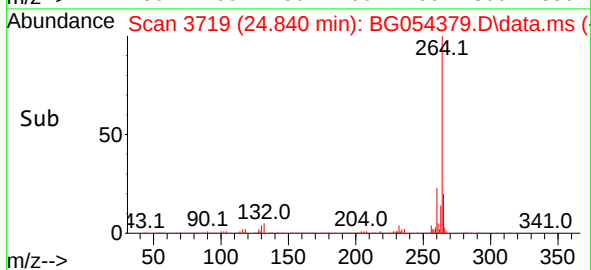
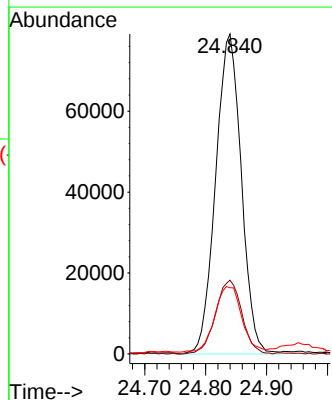
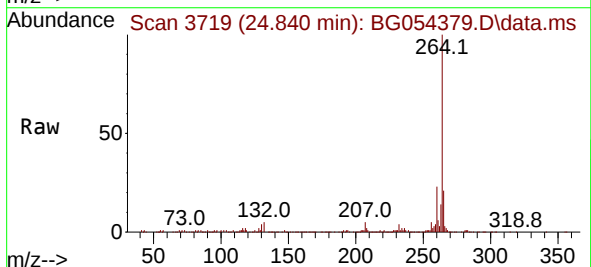
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(0-5)DL

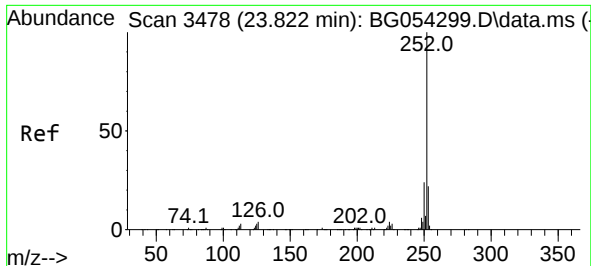
Tgt Ion:149 Resp: 18728
 Ion Ratio Lower Upper
 149 100
 167 28.0 20.2 30.4
 279 8.1 3.6 5.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.840 min Scan# 3719
 Delta R.T. 0.001 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27

Tgt Ion:264 Resp: 231021
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 20.7 17.4 26.2

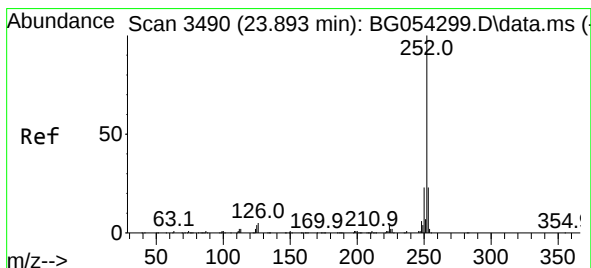
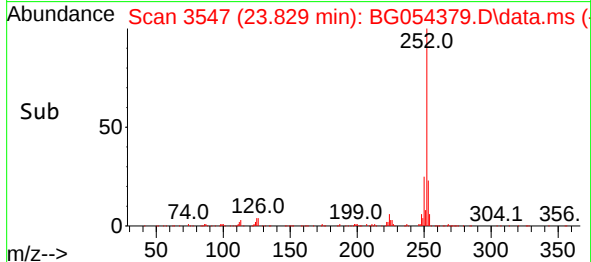
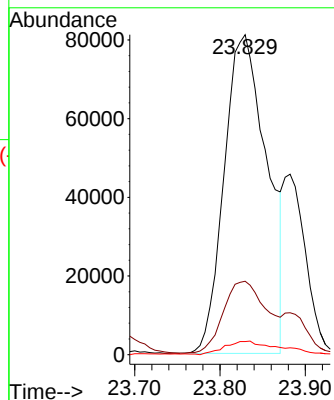
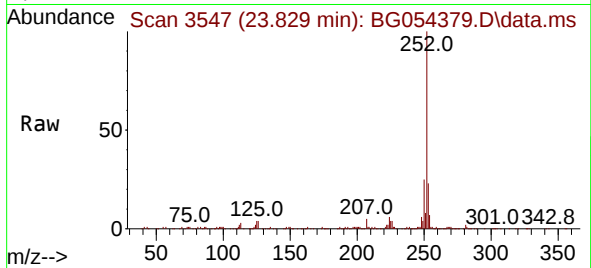




#88
Benzo(b)fluoranthene
Concen: 20.681 ng
RT: 23.829 min Scan# 3547
Delta R.T. 0.007 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

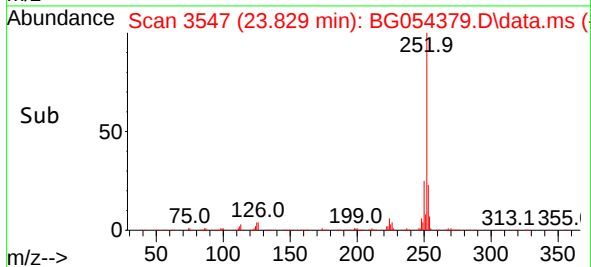
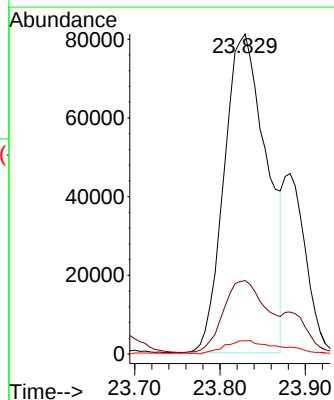
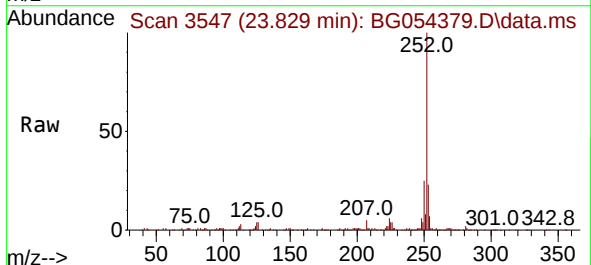
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL

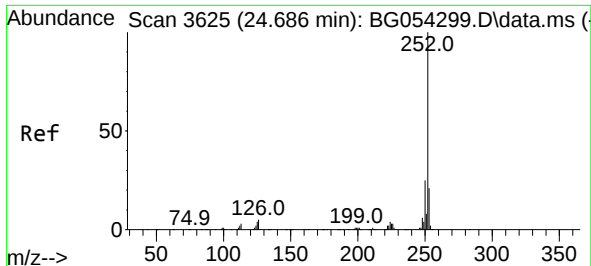
Tgt Ion:252 Resp: 282548
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 4.1 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 20.780 ng
RT: 23.829 min Scan# 3547
Delta R.T. -0.064 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

Tgt Ion:252 Resp: 282548
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 4.1 4.8 7.2#

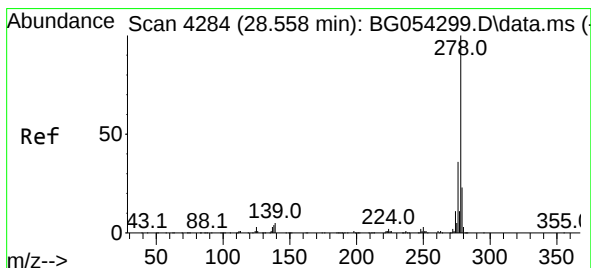
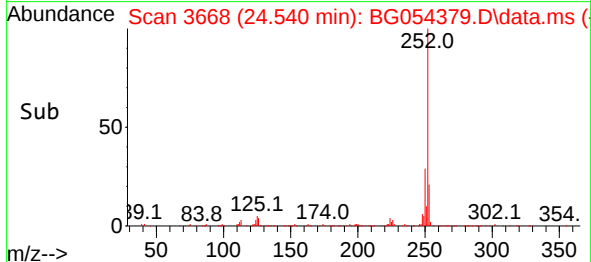
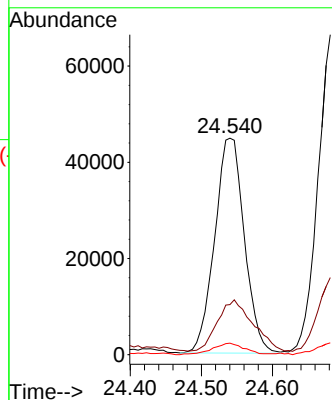
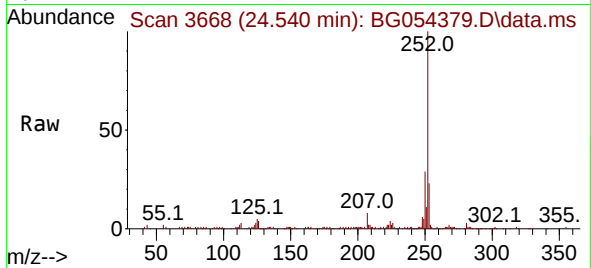




#90
Benzo(a)pyrene
Concen: 11.087 ng
RT: 24.540 min Scan# 3668
Delta R.T. -0.146 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

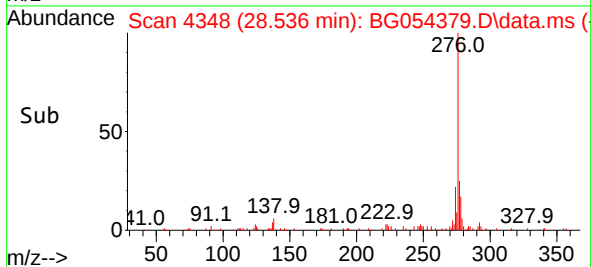
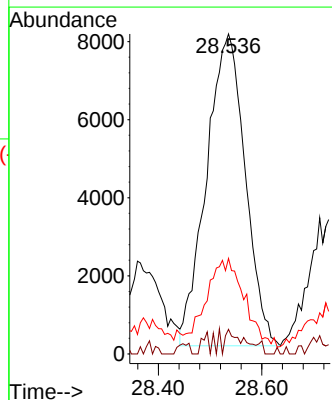
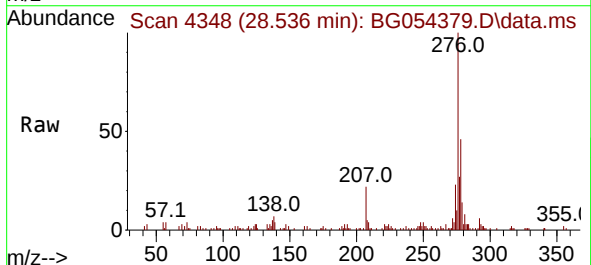
Instrument :
BNA_G
ClientSampleId :
ENV-DE-2(0-5)DL

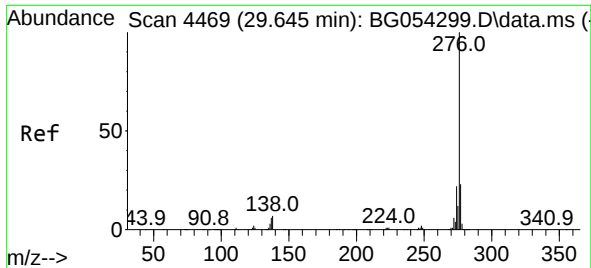
Tgt Ion:252 Resp: 129362
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 5.3 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.873 ng
RT: 28.536 min Scan# 4348
Delta R.T. -0.022 min
Lab File: BG054379.D
Acq: 25 Jul 2022 14:27

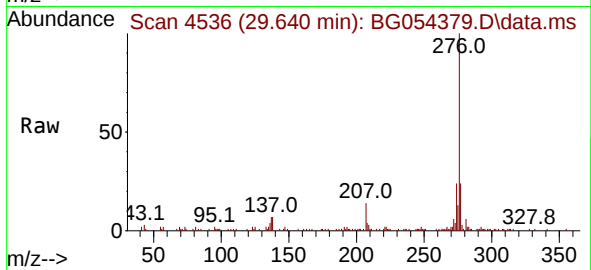
Tgt Ion:278 Resp: 41518
Ion Ratio Lower Upper
278 100
139 7.7 7.2 10.8
279 29.8 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 9.620 ng
 RT: 29.640 min Scan# 41
 Delta R.T. -0.005 min
 Lab File: BG054379.D
 Acq: 25 Jul 2022 14:27

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-2(0-5)DL



Tgt Ion:276 Resp: 137209
 Ion Ratio Lower Upper
 276 100
 277 23.6 17.3 25.9
 138 6.9 9.6 14.4#

