

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054552.D
 Acq On : 8 Aug 2022 14:02
 Operator : CG/JU
 Sample : N4023-04DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6DL

Quant Time: Aug 08 14:52:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

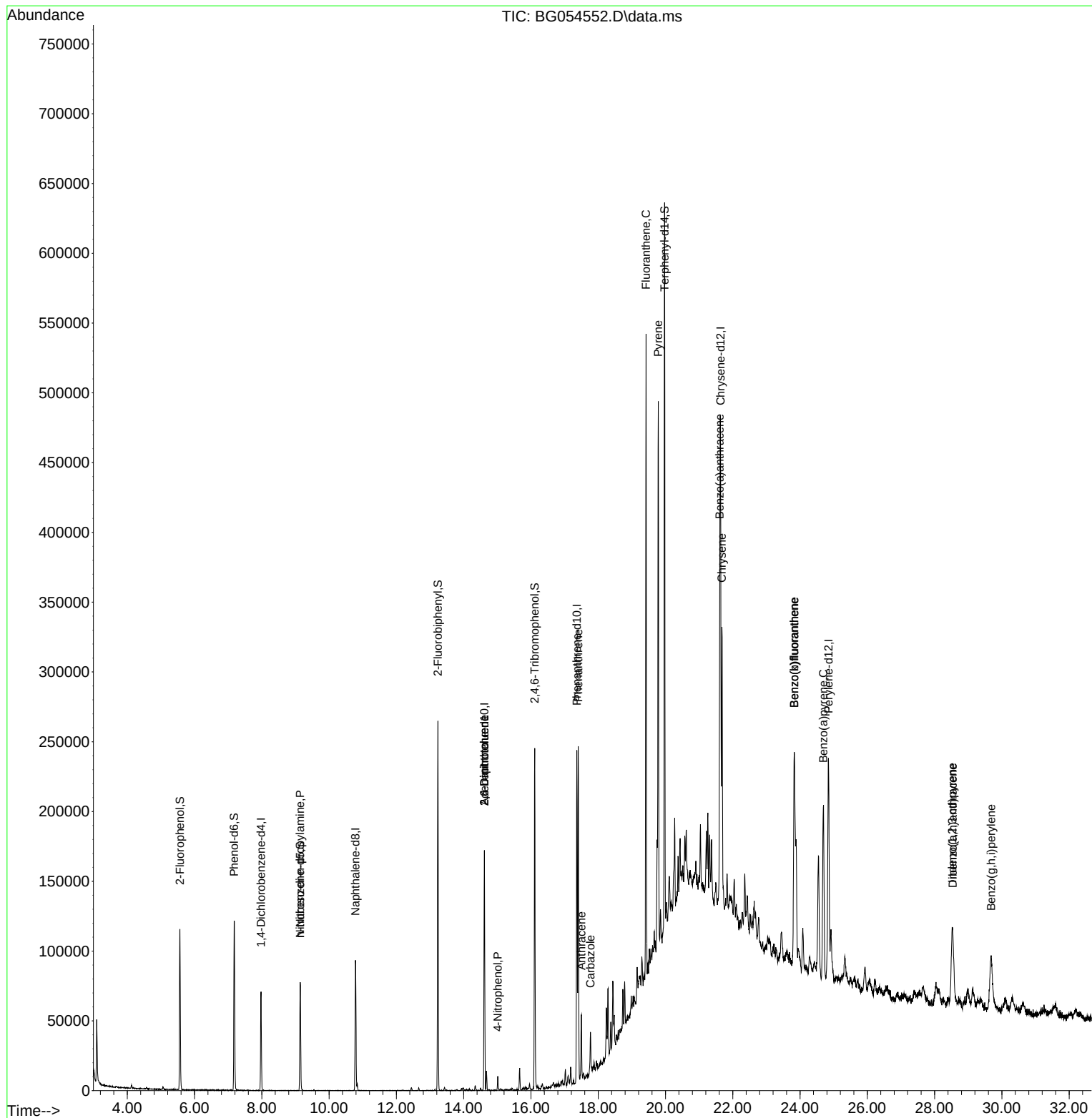
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	22442	20.000	ng	0.00
21) Naphthalene-d8	10.784	136	86973	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	66648	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	162696	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	179249	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	190359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	54931	51.105	ng	0.00
7) Phenol-d6	7.177	99	73294	49.764	ng	0.00
23) Nitrobenzene-d5	9.139	82	49750	31.150	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	65977	47.148	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	152808	32.344	ng	0.00
79) Terphenyl-d14	19.974	244	298521	33.038	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.139	70	7270	7.392	ng	# 81
51) 2,6-Dinitrotoluene	14.615	165	9627	8.431	ng	# 16
56) 4-Nitrophenol	15.015	139	2530	3.971	ng	# 1
57) 2,4-Dinitrotoluene	14.615	165	9627	5.881	ng	# 21
71) Phenanthrene	17.406	178	169881	20.967	ng	98
72) Anthracene	17.500	178	35483	4.463	ng	97
73) Carbazole	17.770	167	20622	3.150	ng	97
75) Fluoranthene	19.421	202	318161	28.807	ng	95
78) Pyrene	19.785	202	282291	27.446	ng	97
81) Benzo(a)anthracene	21.613	228	170459	14.981	ng	98
83) Chrysene	21.677	228	163148	15.176	ng	95
87) Indeno(1,2,3-cd)pyrene	28.522	276	111444	7.696	ng	# 96
88) Benzo(b)fluoranthene	23.828	252	220122	19.553	ng	98
89) Benzo(k)fluoranthene	23.828	252	220122	19.647	ng	# 99
90) Benzo(a)pyrene	24.692	252	156567	16.285	ng	98
91) Dibenzo(a,h)anthracene	28.540	278	28603	2.402	ng	98
92) Benzo(g,h,i)perylene	29.680	276	105011	8.935	ng	# 94

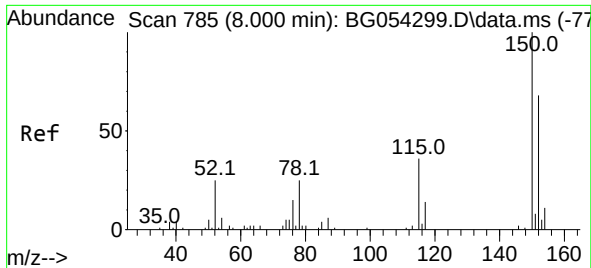
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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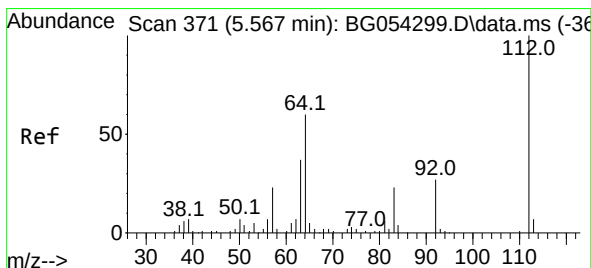
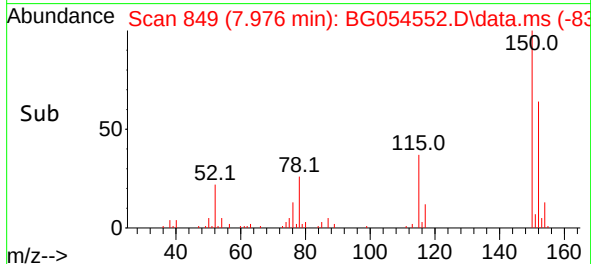
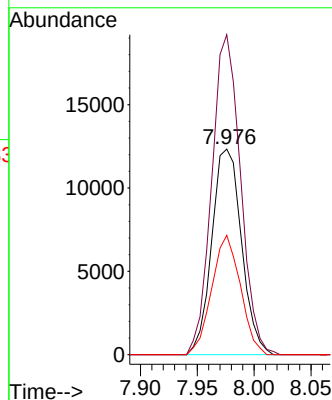
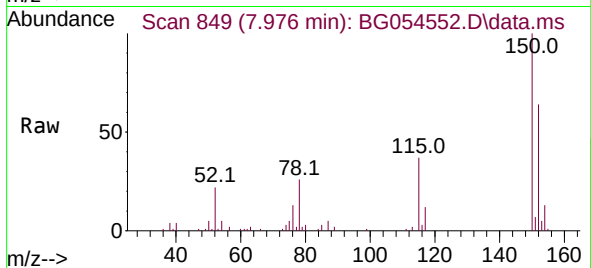




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

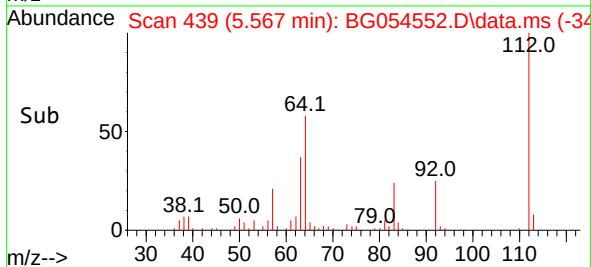
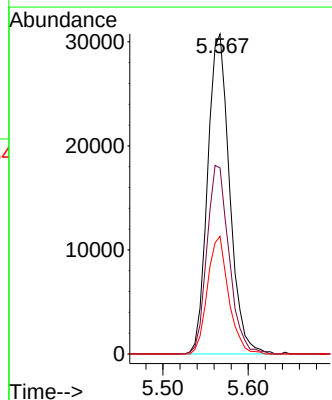
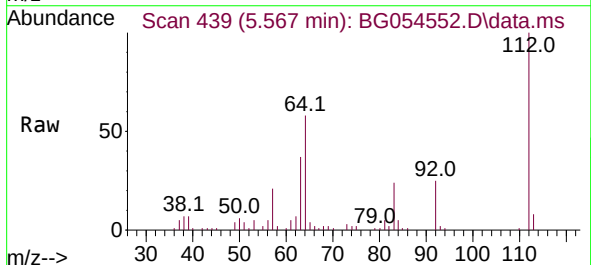
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

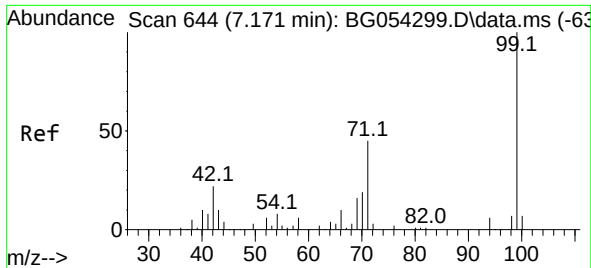
Tgt Ion:152 Resp: 22442
Ion Ratio Lower Upper
152 100
150 155.7 131.6 197.4
115 58.0 50.9 76.3



#5
2-Fluorophenol
Concen: 51.105 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:112 Resp: 54931
Ion Ratio Lower Upper
112 100
64 58.2 55.1 82.7
63 36.8 30.4 45.6

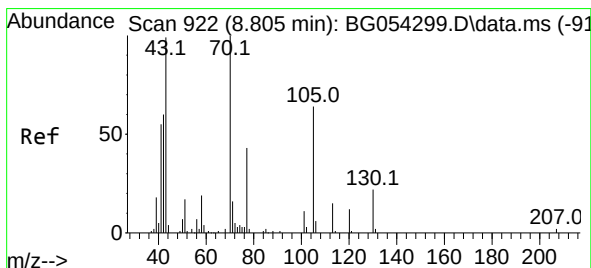
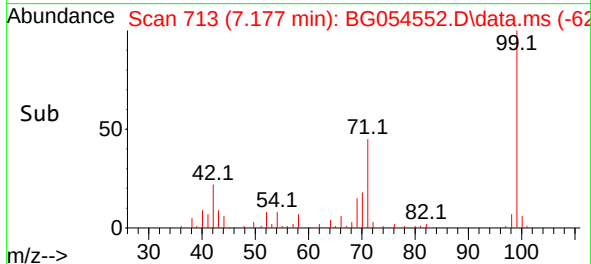
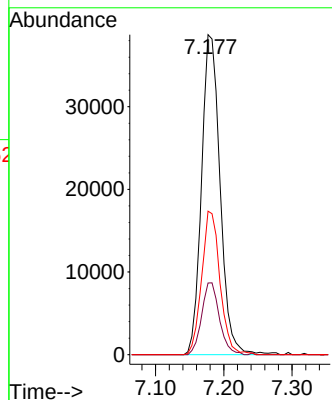
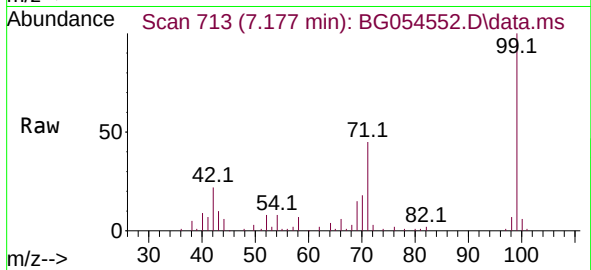




#7
Phenol-d6
Concen: 49.764 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

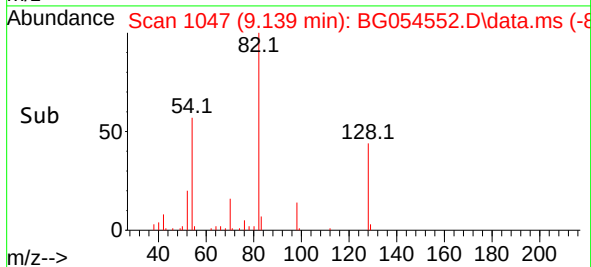
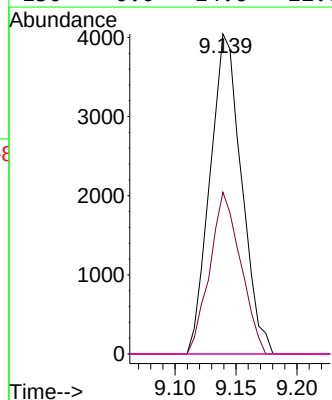
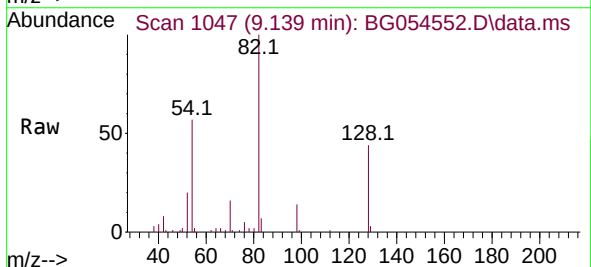
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

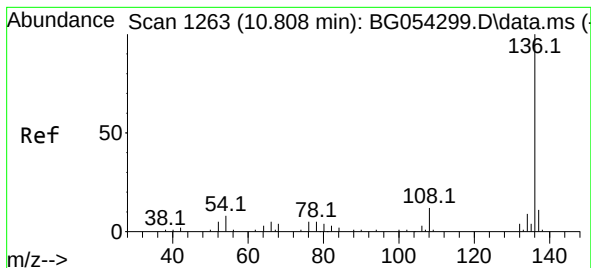
Tgt Ion: 99 Resp: 73294
Ion Ratio Lower Upper
99 100
42 22.4 17.0 25.6
71 44.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.392 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.356 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion: 70 Resp: 7270
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#

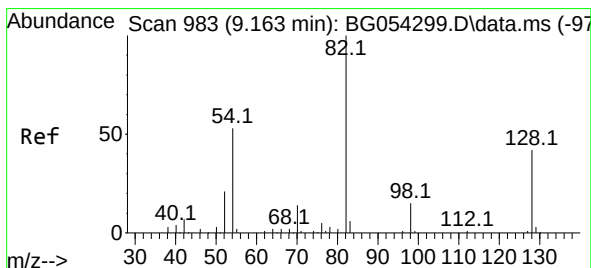
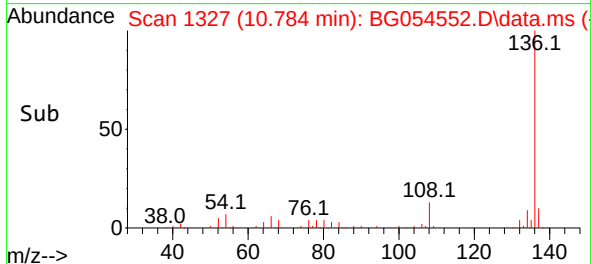
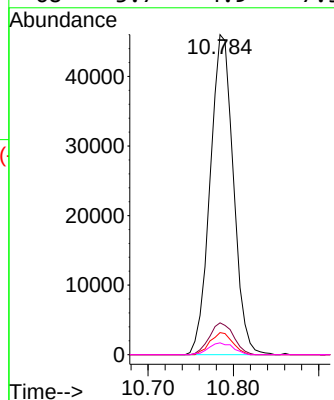
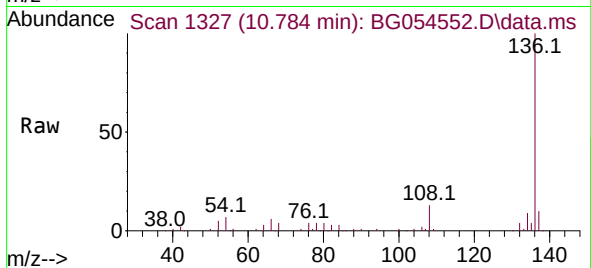




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.784 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

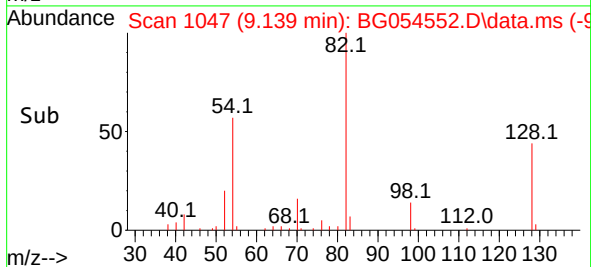
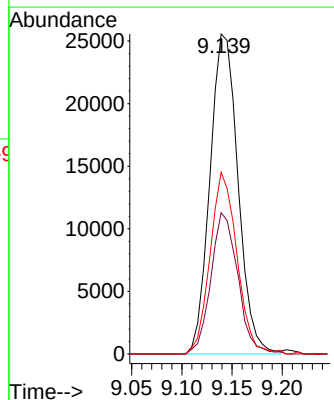
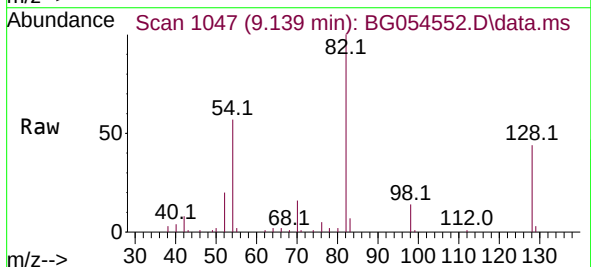
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

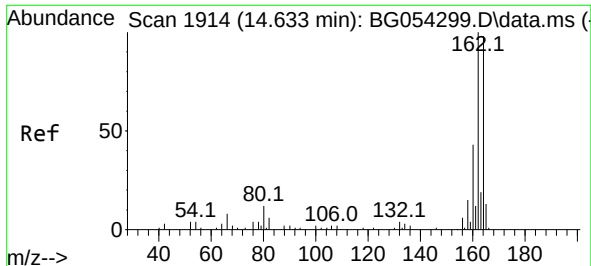
Tgt Ion:	136	Resp:	86973
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.5	12.7
54	6.9	7.4	11.2#
68	3.7	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 31.150 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:	82	Resp:	49750
Ion	Ratio	Lower	Upper
82	100		
128	44.1	27.9	41.9#
54	56.8	41.2	61.8

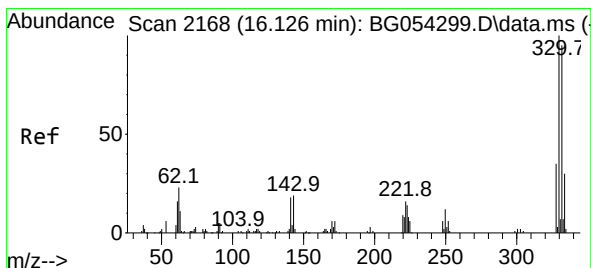
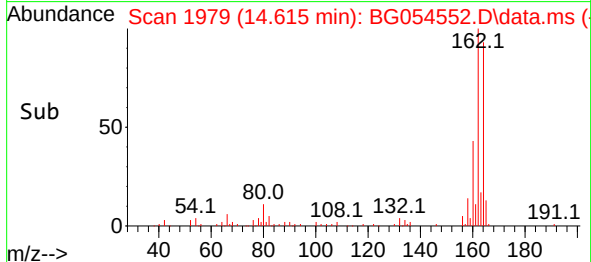
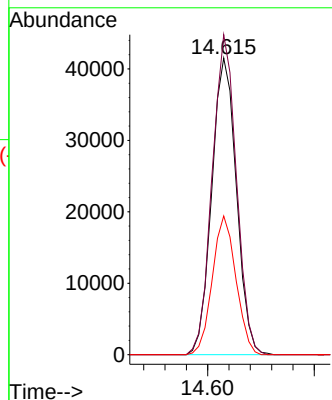
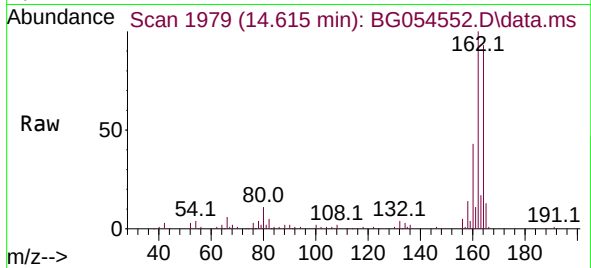




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1914
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

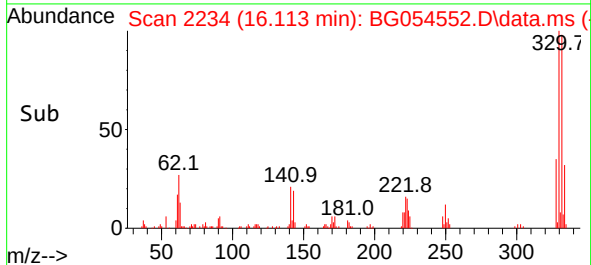
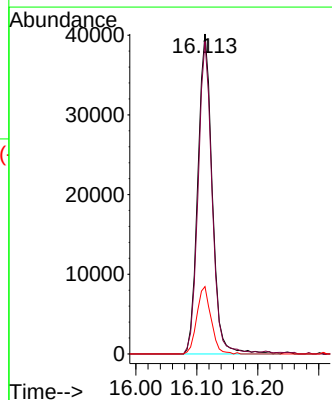
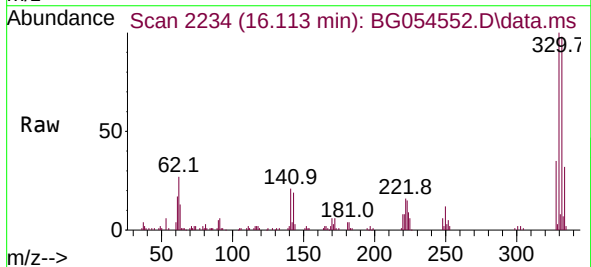
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

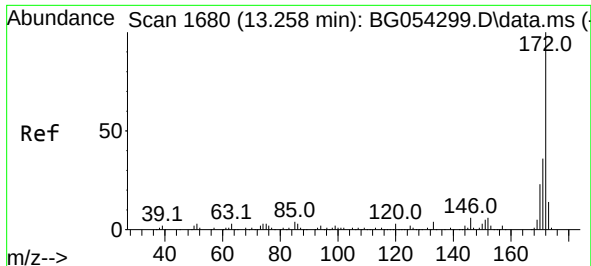
Tgt Ion:164 Resp: 66648
Ion Ratio Lower Upper
164 100
162 107.9 82.3 123.5
160 46.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 47.148 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:330 Resp: 65977
Ion Ratio Lower Upper
330 100
332 94.3 76.0 114.0
141 20.7 27.1 40.7#

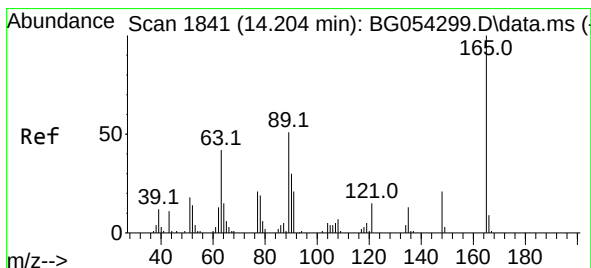
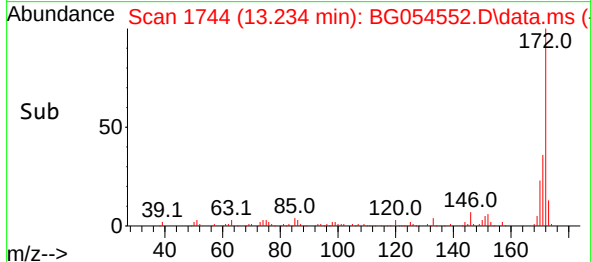
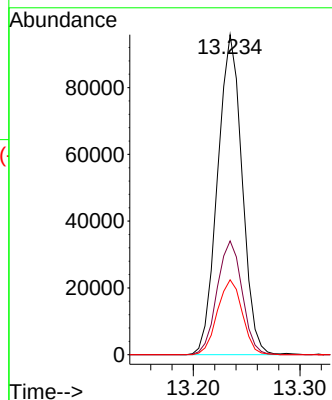
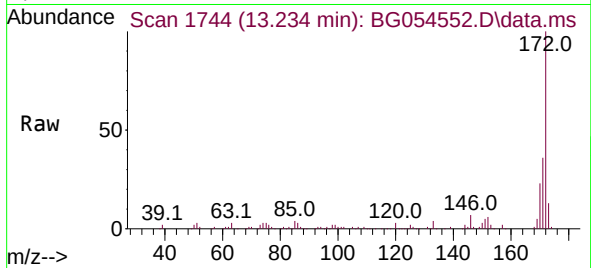




#45
2-Fluorobiphenyl
Concen: 32.344 ng
RT: 13.234 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

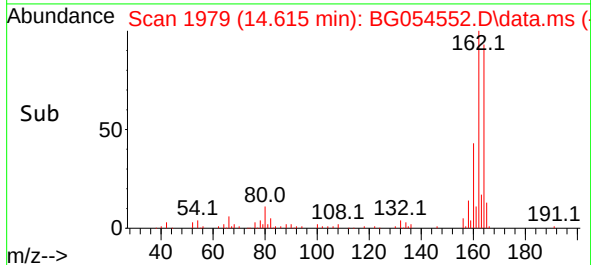
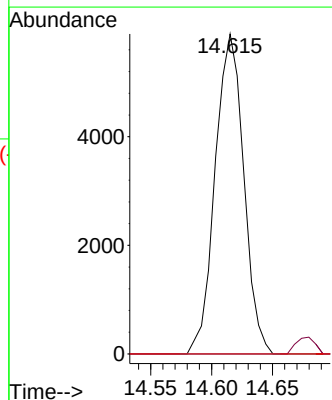
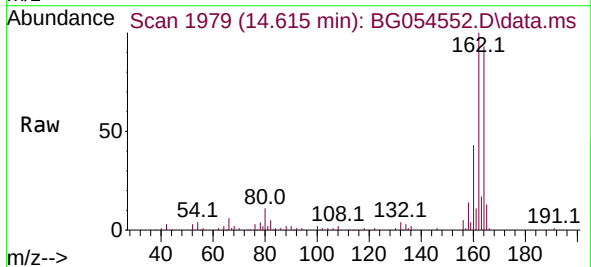
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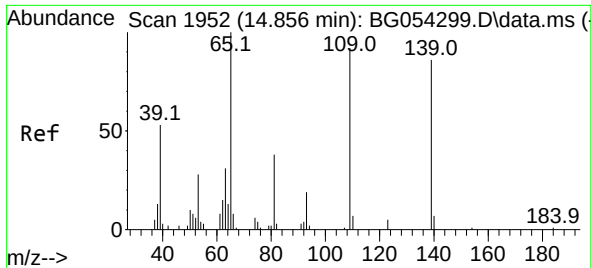
Tgt Ion:172 Resp: 152808
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.4 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.431 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.421 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:165 Resp: 9627
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

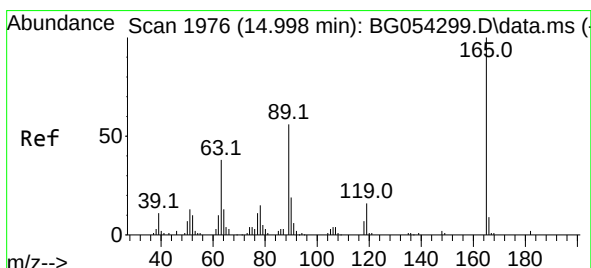
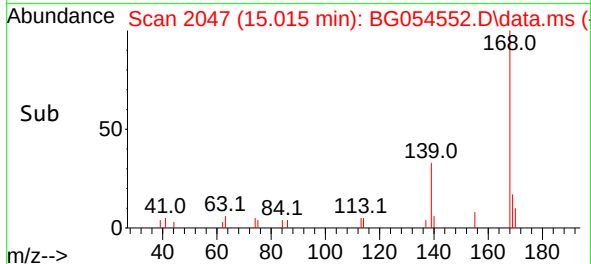
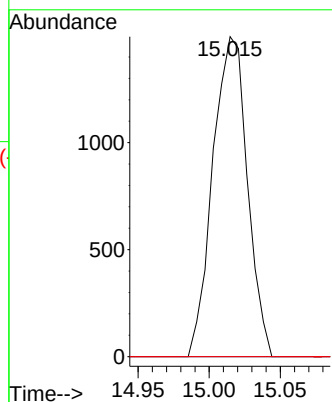
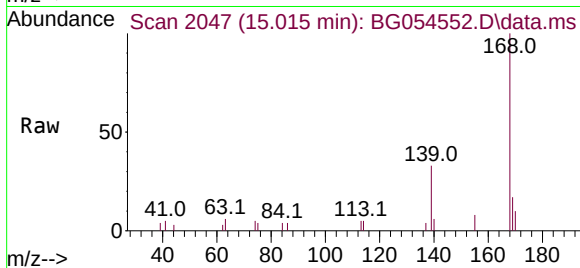




#56
4-Nitrophenol
Concen: 3.971 ng
RT: 15.015 min Scan# 2047
Delta R.T. 0.109 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

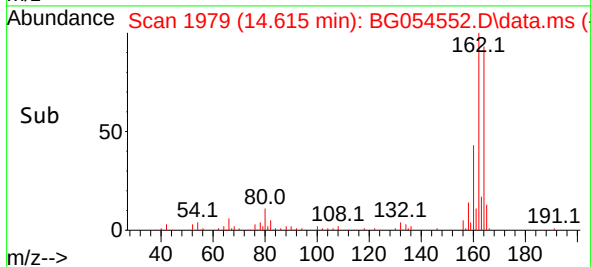
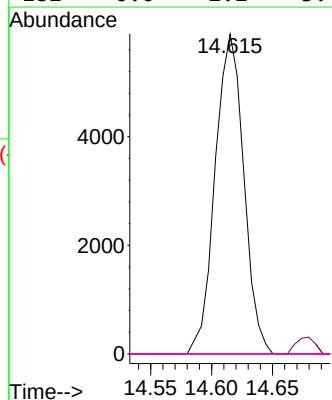
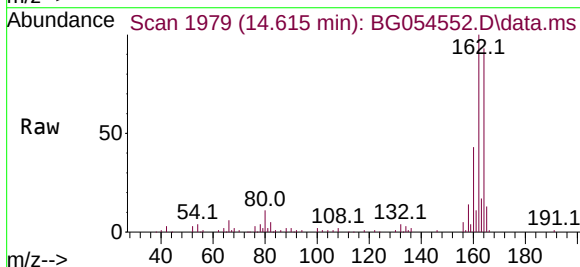
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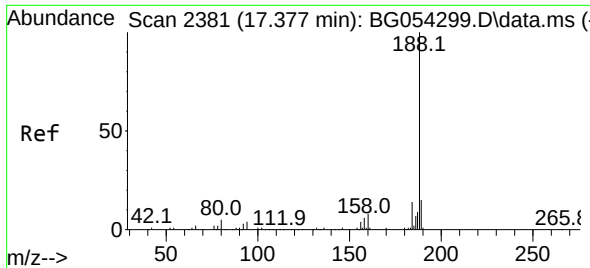
Tgt Ion:139 Resp: 2530
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.881 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.378 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:165 Resp: 9627
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#

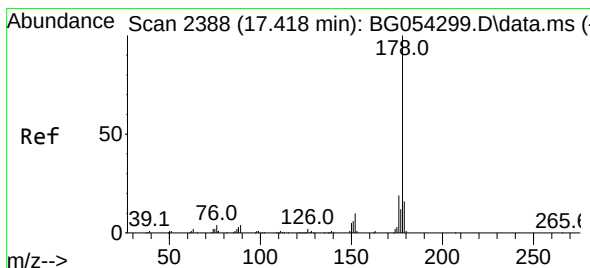
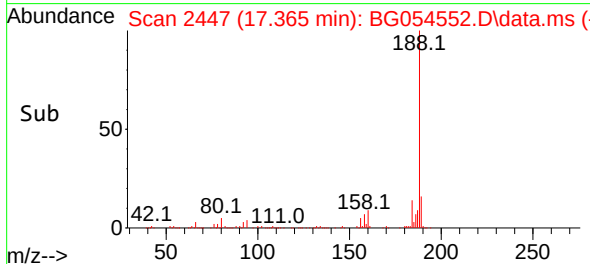
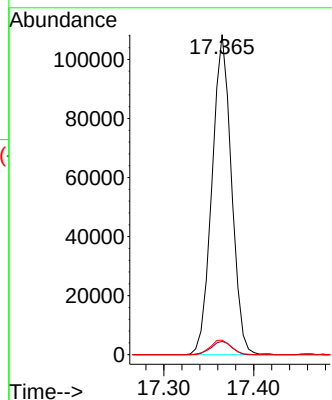
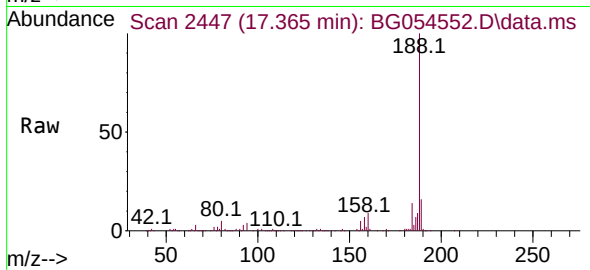




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

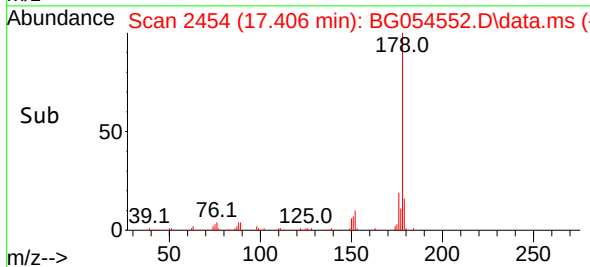
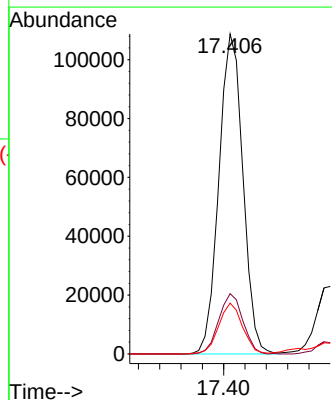
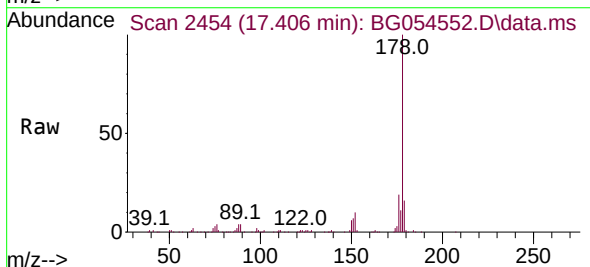
Instrument :
BNA_G
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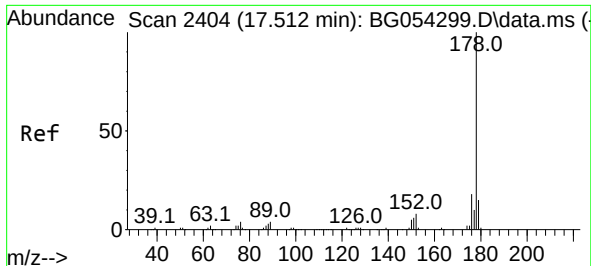
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Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.6 6.8 10.2#



#71
Phenanthrene
Concen: 20.967 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:178 Resp: 169881
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.9 12.1 18.1

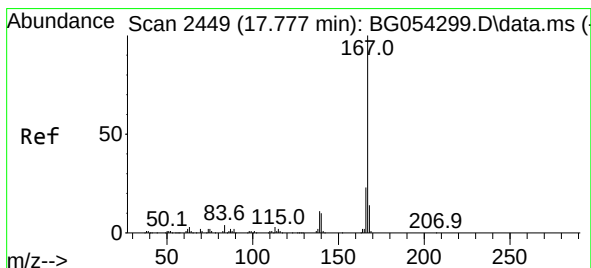
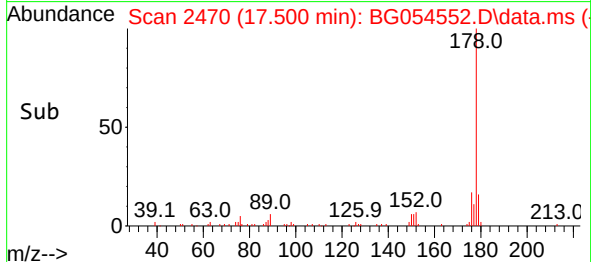
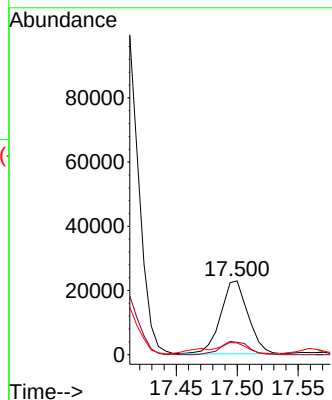
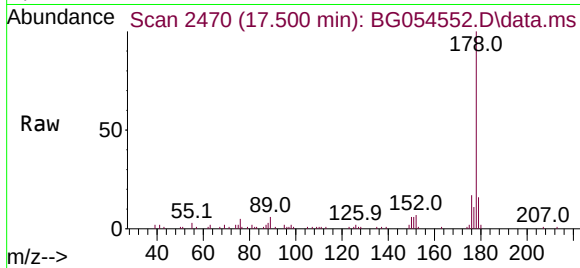




#72
 Anthracene
 Concen: 4.463 ng
 RT: 17.500 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: BG054552.D
 Acq: 8 Aug 2022 14:02

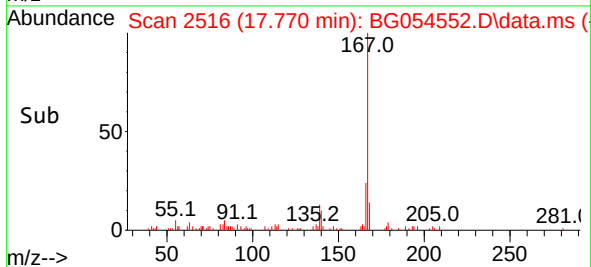
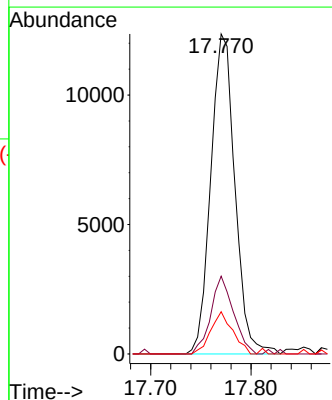
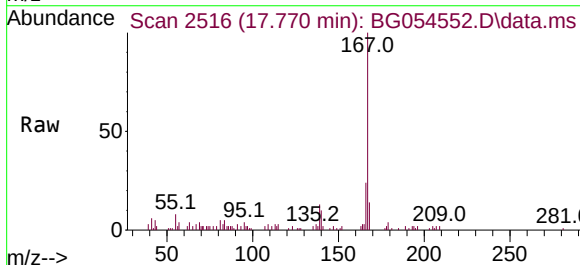
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6DL

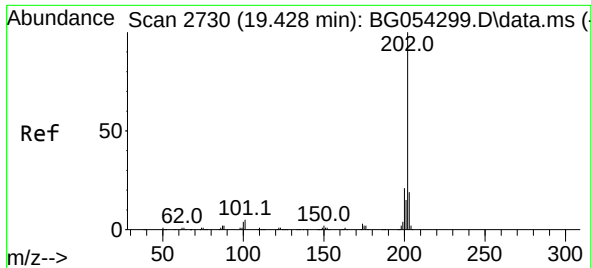
Tgt Ion:178 Resp: 35483
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.2 22.8
 179 15.8 13.0 19.4



#73
 Carbazole
 Concen: 3.150 ng
 RT: 17.770 min Scan# 2516
 Delta R.T. -0.002 min
 Lab File: BG054552.D
 Acq: 8 Aug 2022 14:02

Tgt Ion:167 Resp: 20622
 Ion Ratio Lower Upper
 167 100
 166 24.3 18.2 27.2
 139 13.2 10.1 15.1

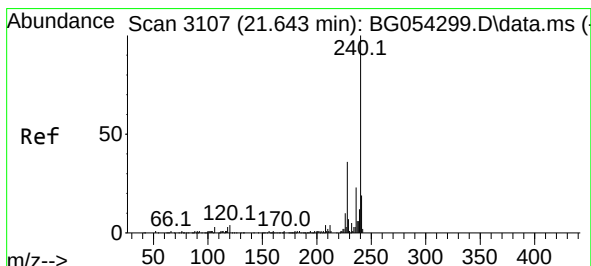
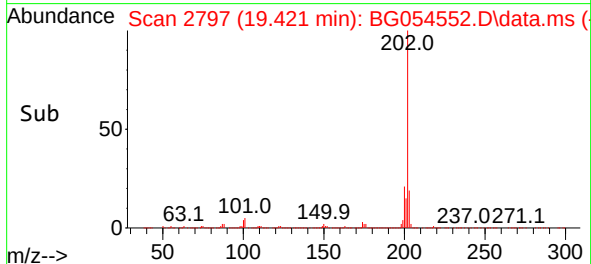
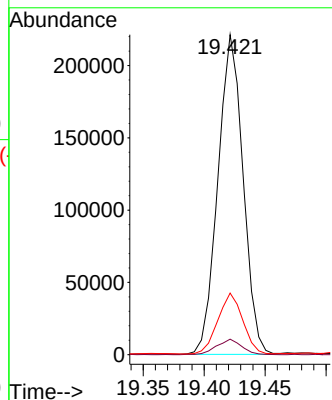
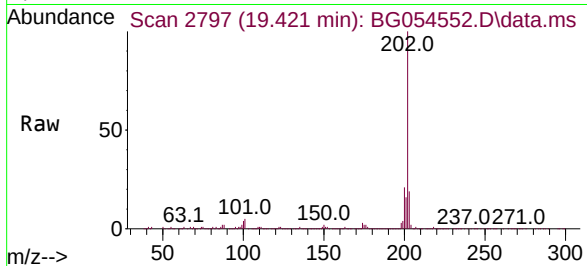




#75
Fluoranthene
Concen: 28.807 ng
RT: 19.421 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

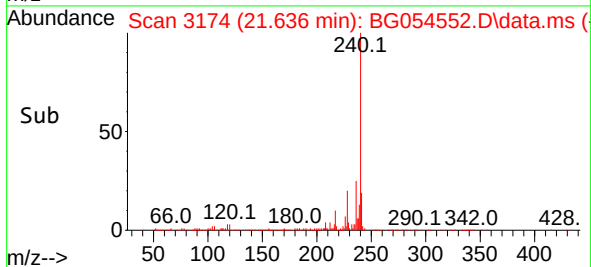
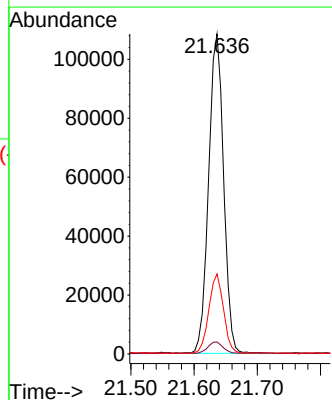
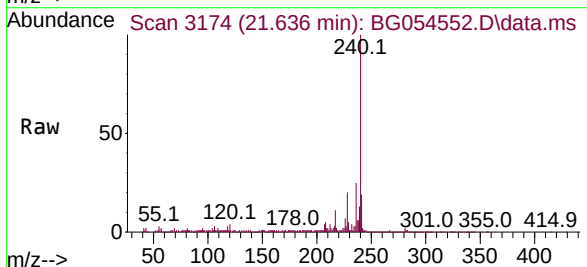
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

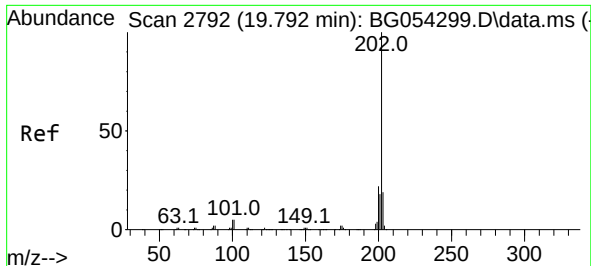
Tgt Ion:202 Resp: 318161
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 19.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. 0.004 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:240 Resp: 179249
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.0 20.2 30.4

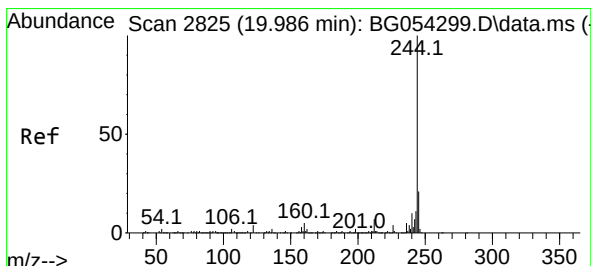
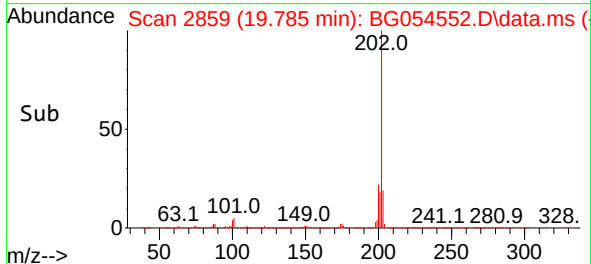
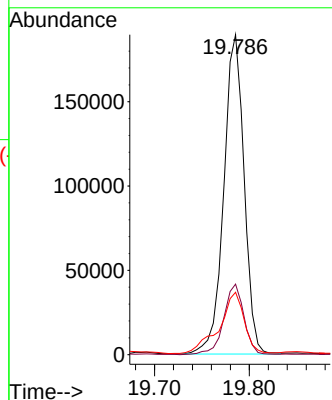
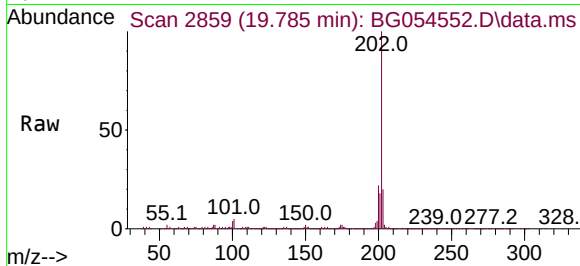




#78
 Pyrene
 Concen: 27.446 ng
 RT: 19.785 min Scan# 2859
 Delta R.T. 0.003 min
 Lab File: BG054552.D
 Acq: 8 Aug 2022 14:02

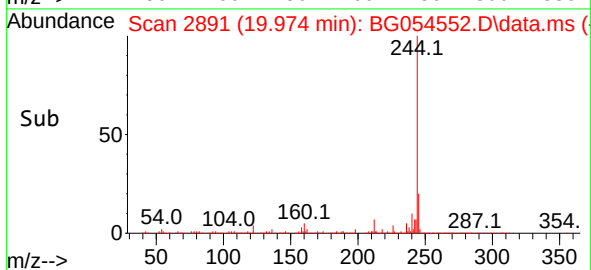
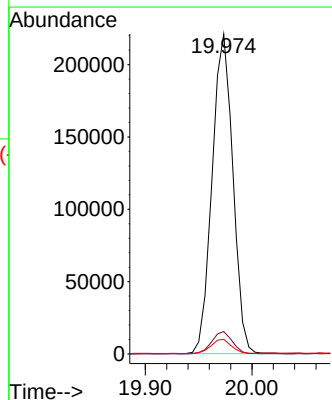
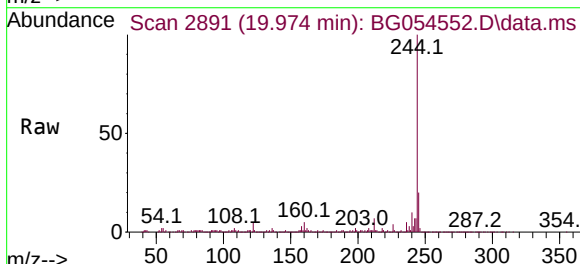
Instrument :
 BNA_G
 ClientSampleId :
 TP2-1-6DL

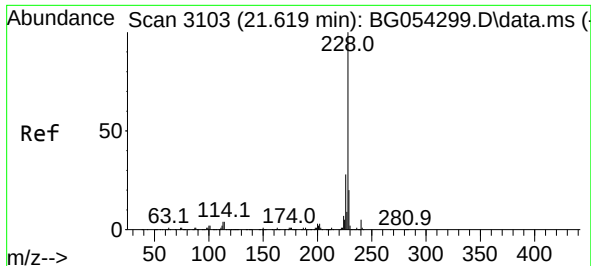
Tgt Ion:	202	Resp:	282291
Ion Ratio	Lower	Upper	
202	100		
200	22.0	16.6	24.8
203	19.5	14.6	21.8



#79
 Terphenyl-d14
 Concen: 33.038 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. 0.003 min
 Lab File: BG054552.D
 Acq: 8 Aug 2022 14:02

Tgt Ion:	244	Resp:	298521
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.5	9.7
122	4.6	5.0	7.4

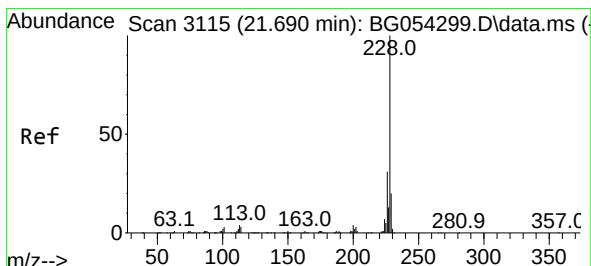
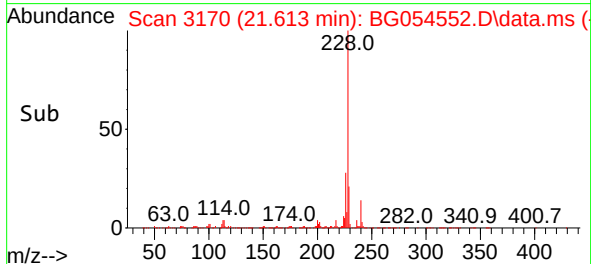
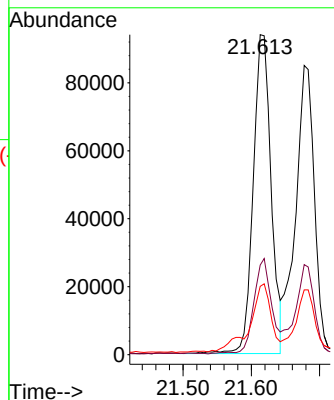
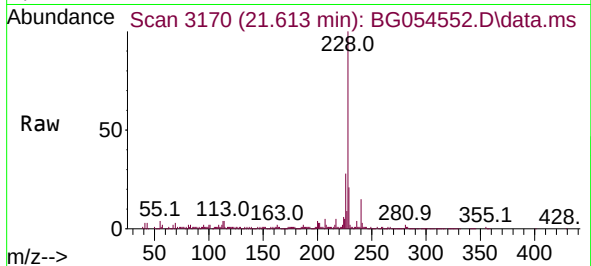




#81
Benzo(a)anthracene
Concen: 14.981 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

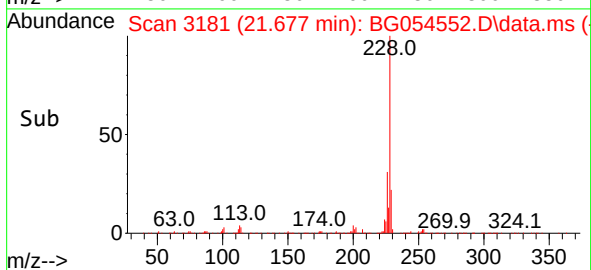
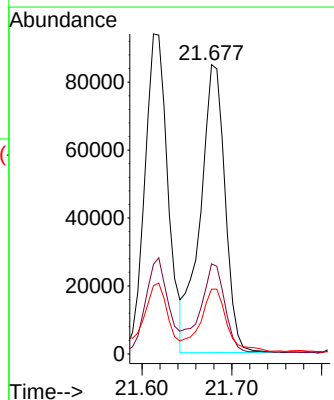
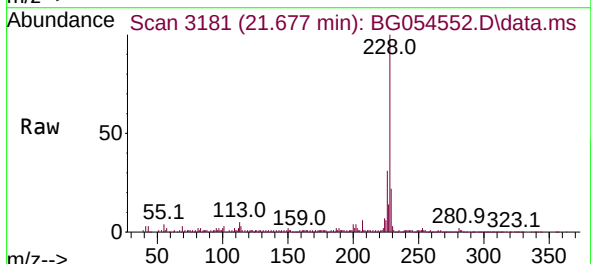
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

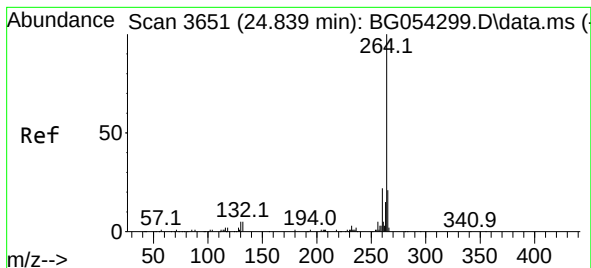
Tgt Ion:228 Resp: 170459
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 21.4 16.2 24.2



#83
Chrysene
Concen: 15.176 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.002 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:228 Resp: 163148
Ion Ratio Lower Upper
228 100
226 31.1 23.4 35.2
229 22.4 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.844 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG054552.D

Acq: 8 Aug 2022 14:02

Instrument :

BNA_G

ClientSampleId :

TP2-1-6DL

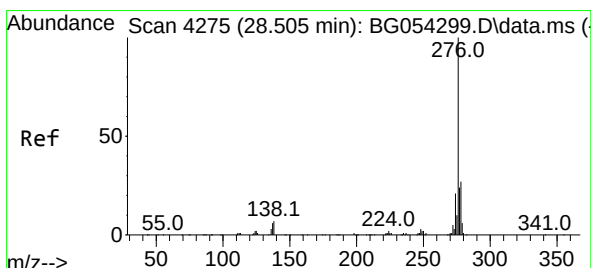
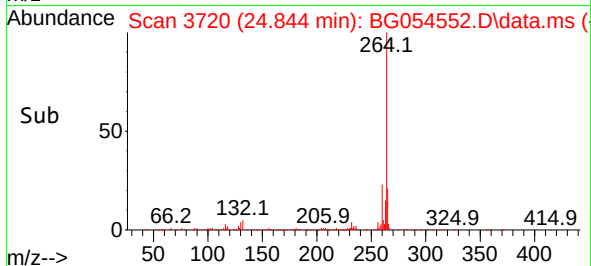
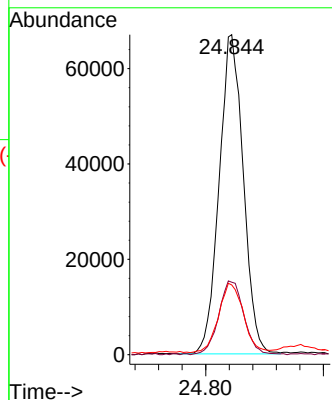
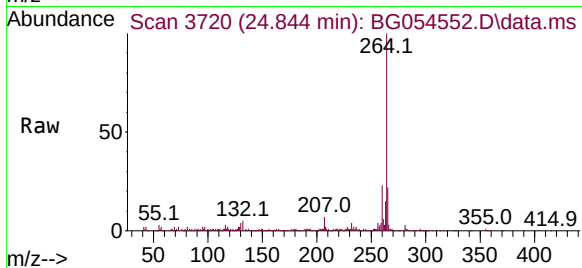
Tgt Ion:264 Resp: 190359

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 21.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.696 ng

RT: 28.522 min Scan# 4346

Delta R.T. -0.008 min

Lab File: BG054552.D

Acq: 8 Aug 2022 14:02

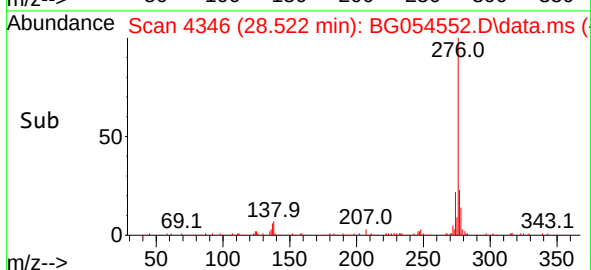
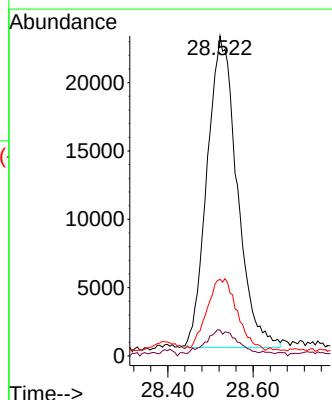
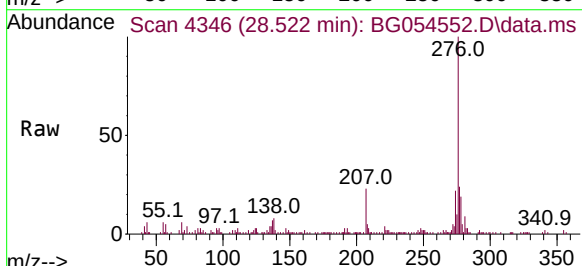
Tgt Ion:276 Resp: 111444

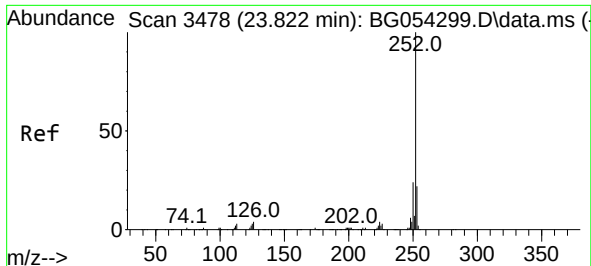
Ion Ratio Lower Upper

276 100

138 7.6 5.0 7.4#

277 23.3 20.3 30.5

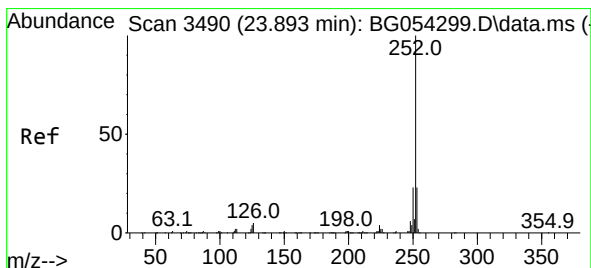
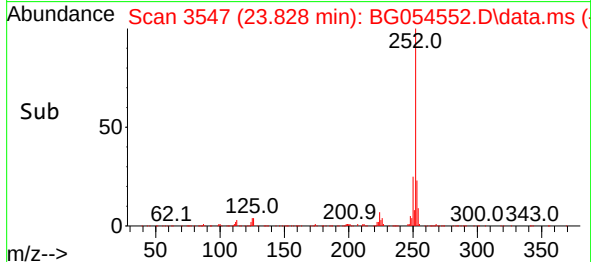
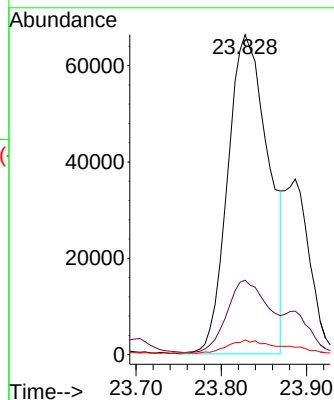
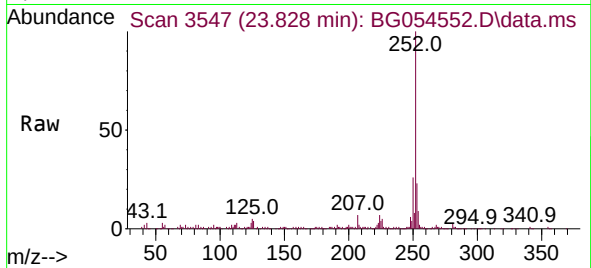




#88
Benzo(b)fluoranthene
Concen: 19.553 ng
RT: 23.828 min Scan# 3547
Delta R.T. 0.009 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

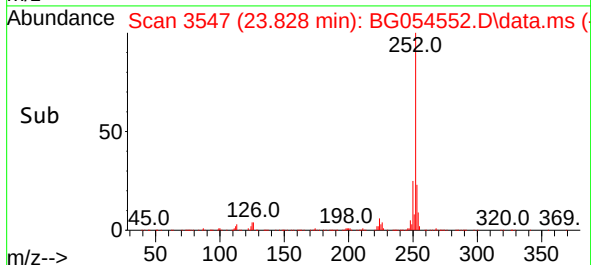
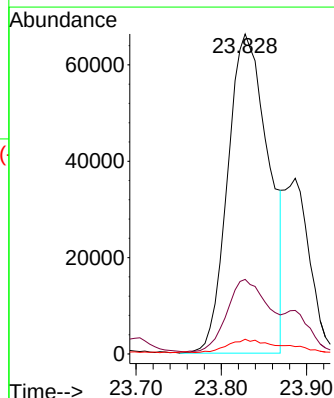
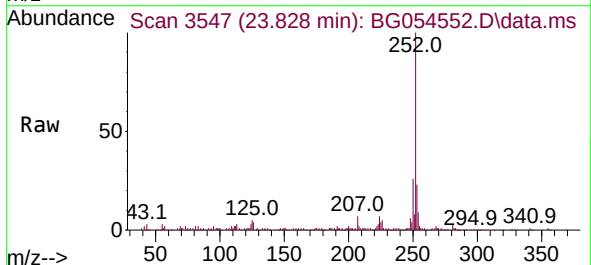
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

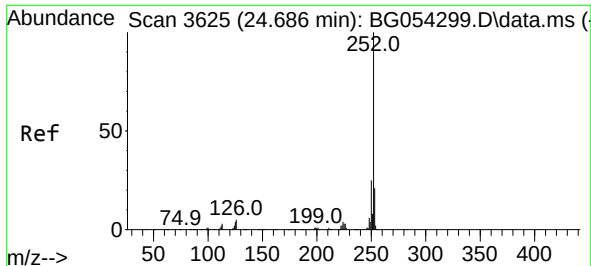
Tgt Ion:252 Resp: 220122
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 4.6 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 19.647 ng
RT: 23.828 min Scan# 3547
Delta R.T. -0.055 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:252 Resp: 220122
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 4.6 4.8 7.2#

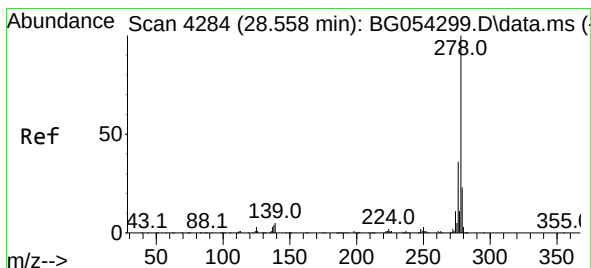
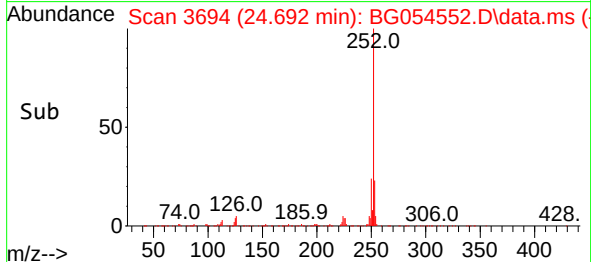
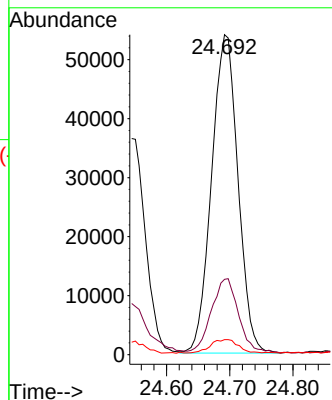
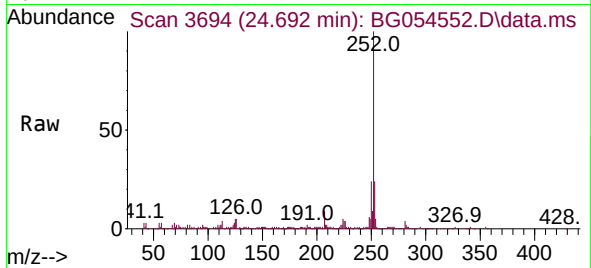




#90
Benzo(a)pyrene
Concen: 16.285 ng
RT: 24.692 min Scan# 30
Delta R.T. 0.003 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

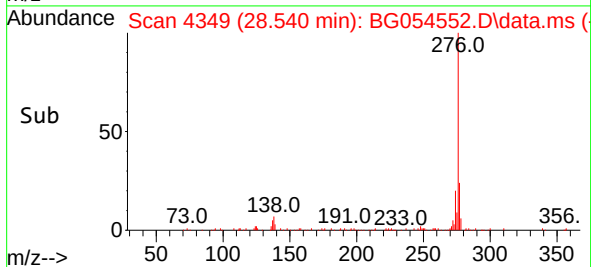
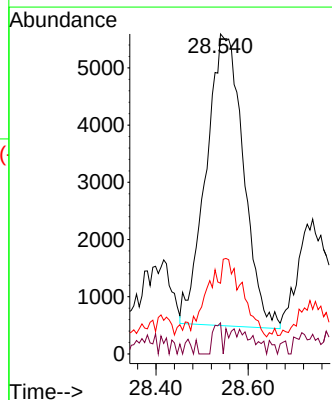
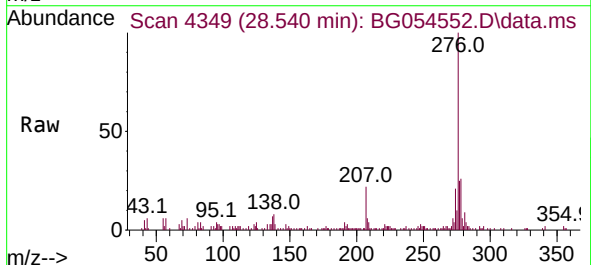
Instrument :
BNA_G
ClientSampleId :
TP2-1-6DL

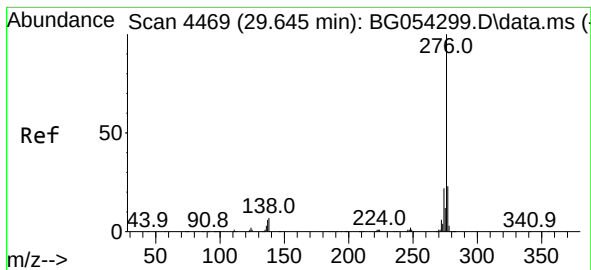
Tgt Ion:252 Resp: 156567
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 4.7 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.402 ng
RT: 28.540 min Scan# 4349
Delta R.T. -0.032 min
Lab File: BG054552.D
Acq: 8 Aug 2022 14:02

Tgt Ion:278 Resp: 28603
Ion Ratio Lower Upper
278 100
139 9.7 7.2 10.8
279 22.1 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 8.935 ng

RT: 29.680 min Scan# 4

Delta R.T. 0.004 min

Lab File: BG054552.D

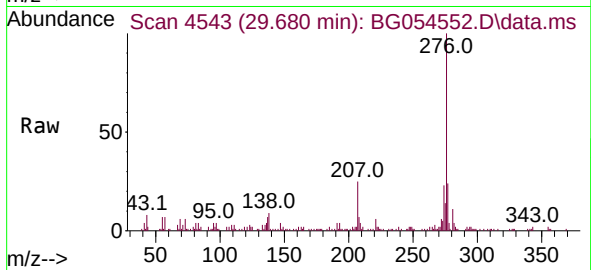
Acq: 8 Aug 2022 14:02

Instrument :

BNA_G

ClientSampleId :

TP2-1-6DL



Tgt Ion:276 Resp: 105011

Ion Ratio Lower Upper

276 100

277 24.1 17.3 25.9

138 8.7 9.6 14.4#

