

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054133.D
 Acq On : 29 Jun 2022 1:23
 Operator : CG/JU
 Sample : N3494-31 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-1

Quant Time: Jun 29 02:37:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

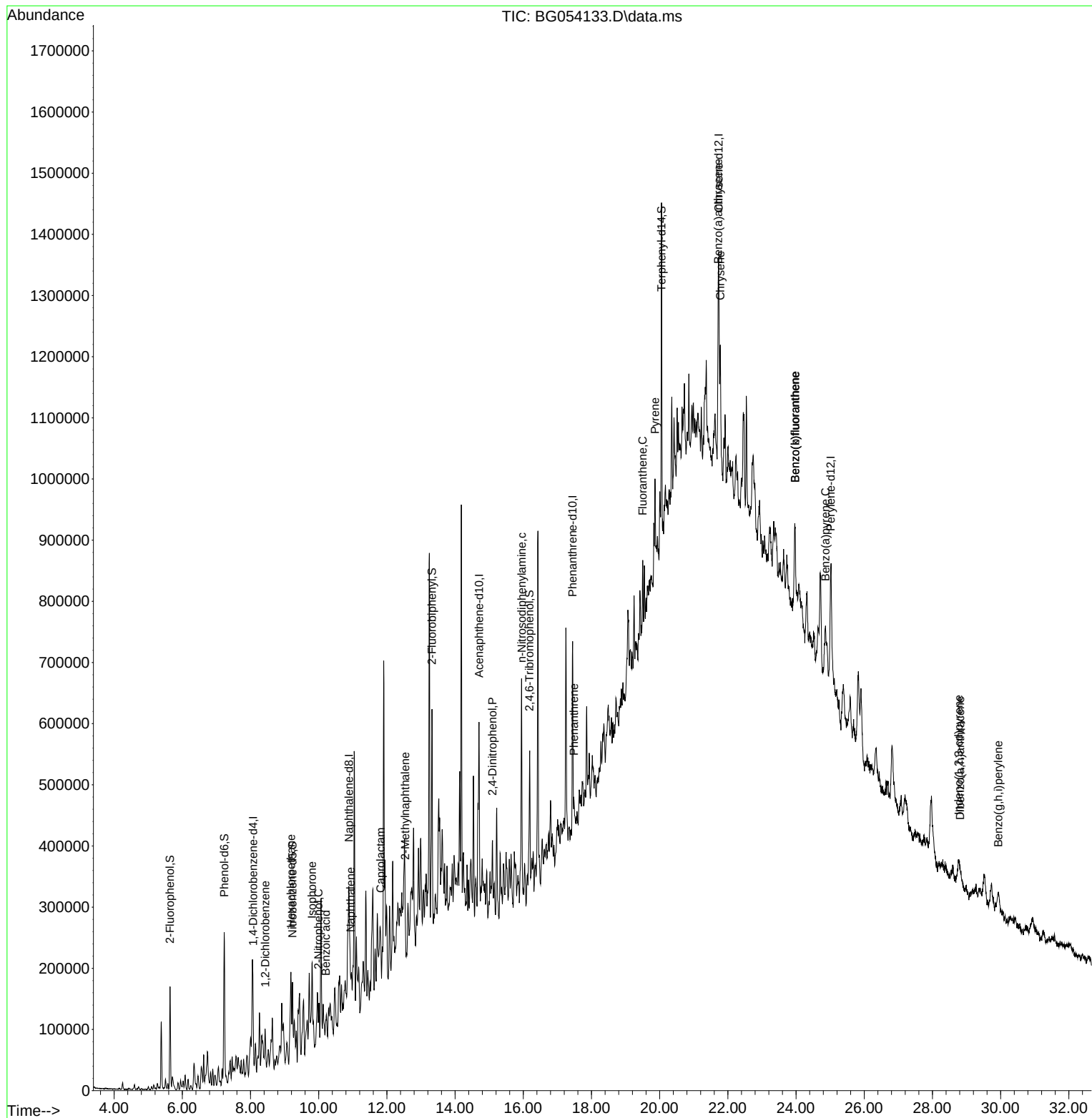
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	36612	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	137744	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	88944	20.000	ng	0.00
64) Phenanthrene-d10	17.447	188	193919	20.000	ng	0.00
76) Chrysene-d12	21.730	240	205613	20.000	ng	# 0.01
86) Perylene-d12	25.015	264	216751	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	82656	43.164	ng	0.00
7) Phenol-d6	7.236	99	108036	41.588	ng	0.00
23) Nitrobenzene-d5	9.233	82	73977	30.181	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	53864	37.692	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	178454	29.175	ng	0.00
79) Terphenyl-d14	20.056	244	298901	29.279	ng	0.01
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	8.434	146	13177	5.334	ng	94
18) Hexachloroethane	9.186	117	1949	2.283	ng	# 1
25) Isophorone	9.803	82	16985	3.710	ng	# 1
26) 2-Nitrophenol	9.997	139	2481	2.327	ng	# 1
31) Naphthalene	10.937	128	19458	2.798	ng	# 92
32) Benzoic acid	10.209	122	397	11.689	ng	# 16
35) Caprolactam	11.818	113	1353	2.124	ng	# 1
37) 2-Methylnaphthalene	12.535	142	15486	3.010	ng	94
54) 2,4-Dinitrophenol	15.097	184	475	7.624	ng	# 1
66) n-Nitrosodiphenylamine	15.955	169	17310	3.425	ng	# 46
71) Phenanthrene	17.488	178	26512	2.661	ng	# 79
75) Fluoranthene	19.503	202	70710	5.406	ng	89
78) Pyrene	19.862	202	109337	8.804	ng	# 95
81) Benzo(a)anthracene	21.713	228	102545	7.703	ng	# 87
83) Chrysene	21.777	228	192854	15.197	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.775	276	48704	2.978	ng	99
88) Benzo(b)fluoranthene	23.975	252	140057	10.627	ng	# 81
89) Benzo(k)fluoranthene	23.975	252	140057	10.734	ng	# 82
90) Benzo(a)pyrene	24.862	252	106721	9.598	ng	# 81
91) Dibenzo(a,h)anthracene	28.810	278	44727	3.307	ng	# 66
92) Benzo(g,h,i)perylene	29.932	276	82646	6.191	ng	# 82

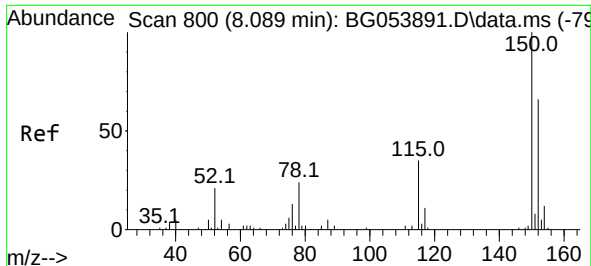
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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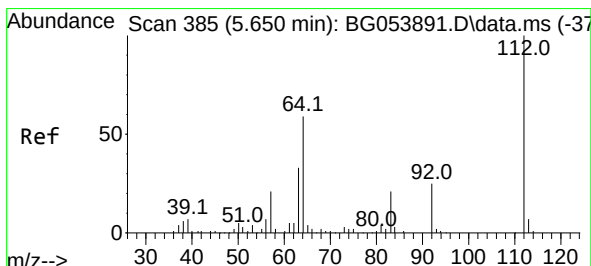
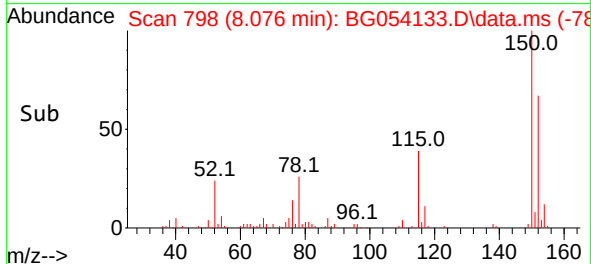
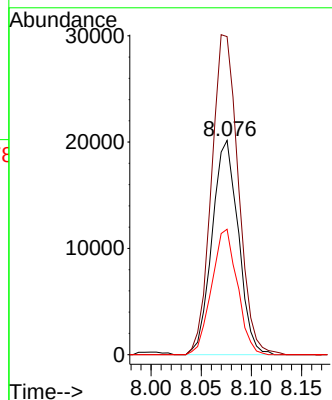
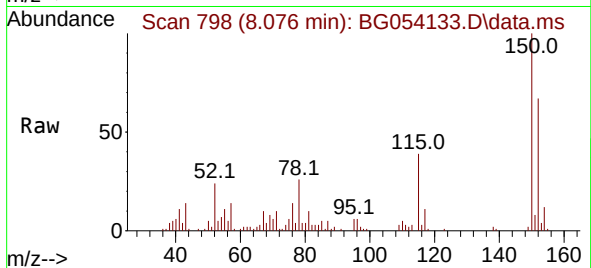




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

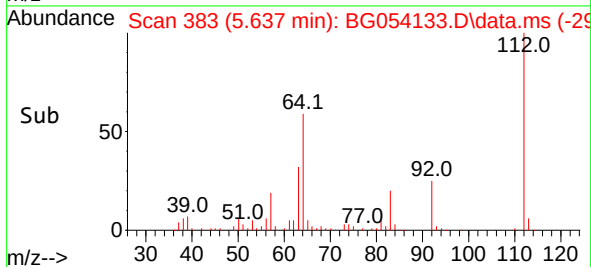
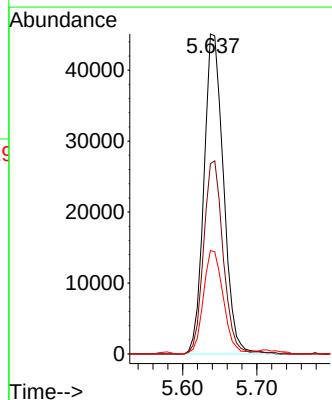
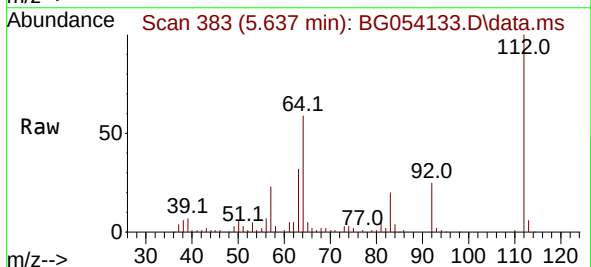
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

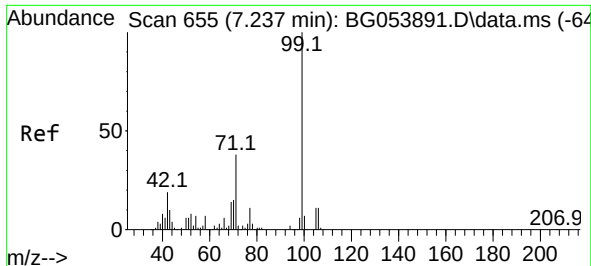
Tgt Ion:152 Resp: 36612
Ion Ratio Lower Upper
152 100
150 148.5 131.6 197.4
115 58.6 50.9 76.3



#5
2-Fluorophenol
Concen: 43.164 ng
RT: 5.637 min Scan# 383
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:112 Resp: 82656
Ion Ratio Lower Upper
112 100
64 59.4 55.1 82.7
63 32.3 30.4 45.6

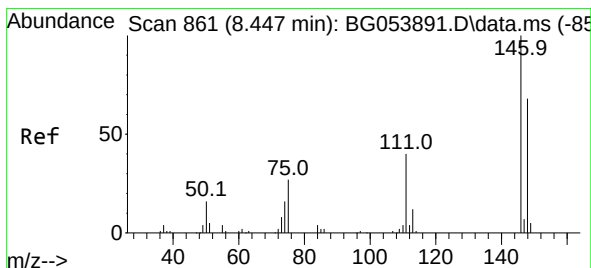
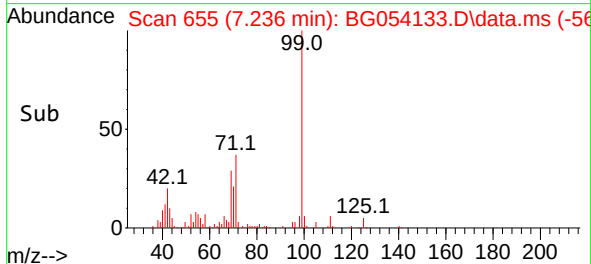
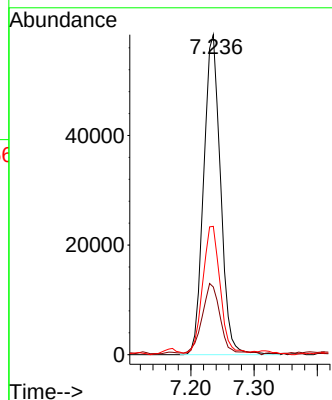
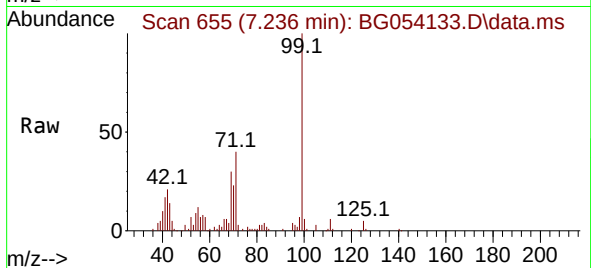




#7
Phenol-d6
Concen: 41.588 ng
RT: 7.236 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

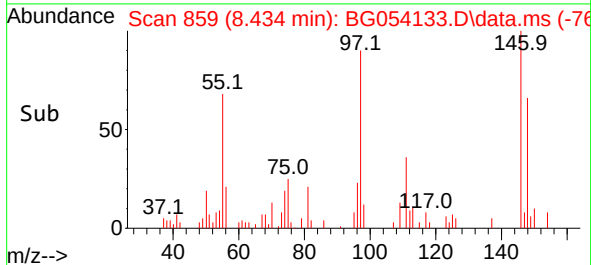
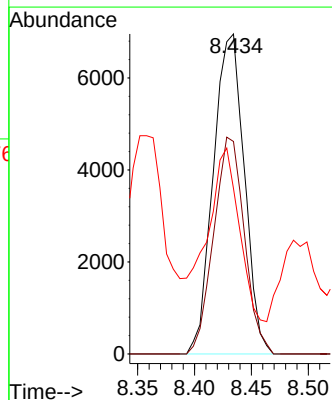
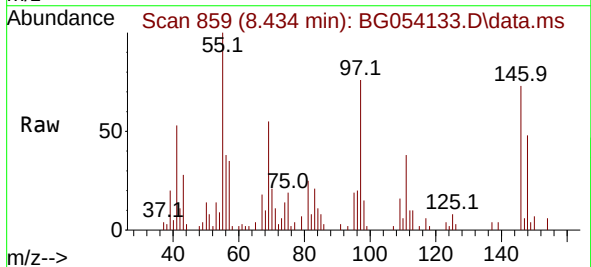
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

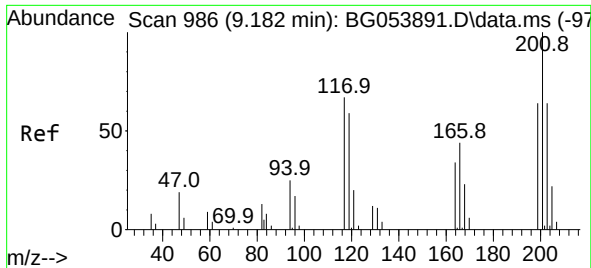
Tgt Ion: 99 Resp: 108036
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 40.1 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 5.334 ng
RT: 8.434 min Scan# 859
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:146 Resp: 13177
Ion Ratio Lower Upper
146 100
148 66.4 52.6 78.8
111 51.7 34.5 51.7

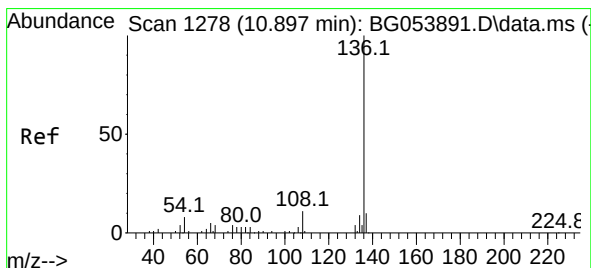
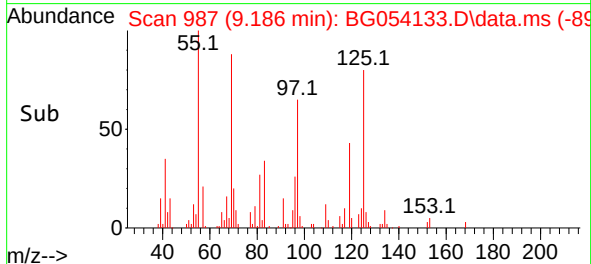
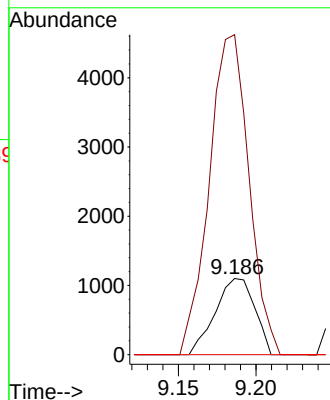
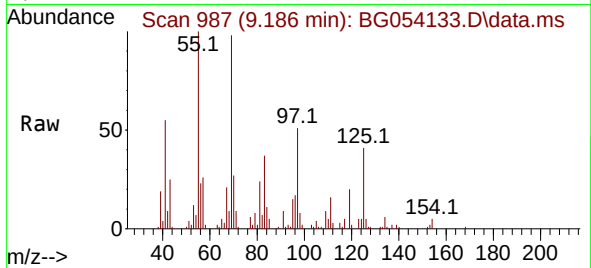




#18
Hexachloroethane
Concen: 2.283 ng
RT: 9.186 min Scan# 91
Delta R.T. 0.023 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

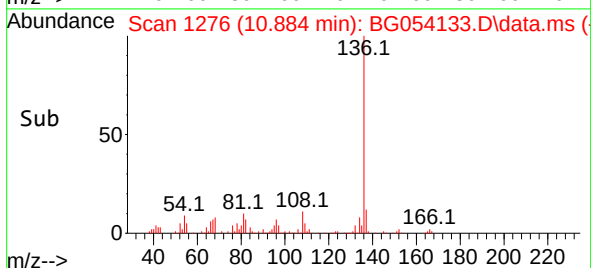
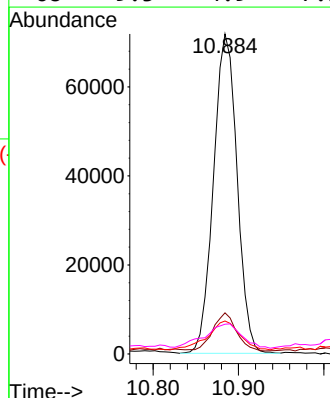
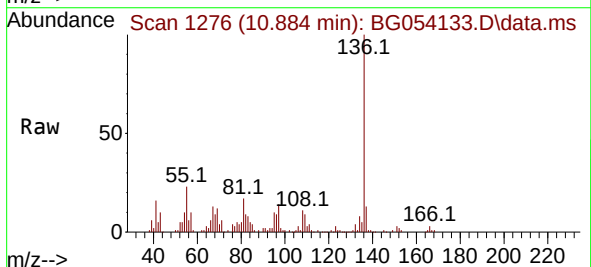
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

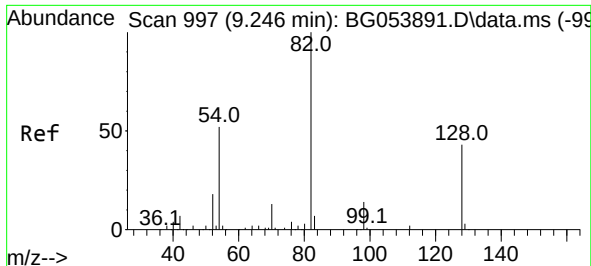
Tgt Ion:117 Resp: 1949
Ion Ratio Lower Upper
117 100
119 420.7 75.0 112.6#
201 0.0 89.0 133.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1276
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:136 Resp: 137744
Ion Ratio Lower Upper
136 100
137 12.8 8.5 12.7#
54 10.3 7.4 11.2
68 9.3 4.9 7.3#

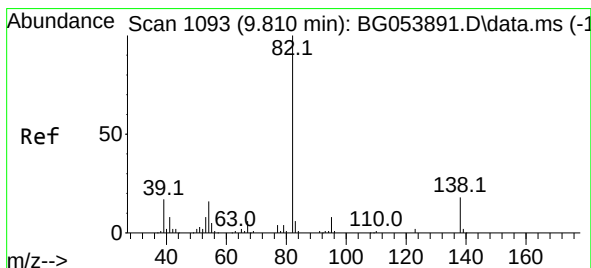
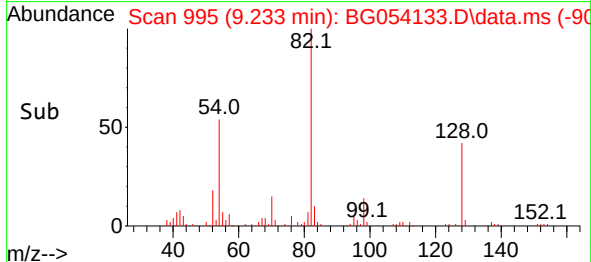
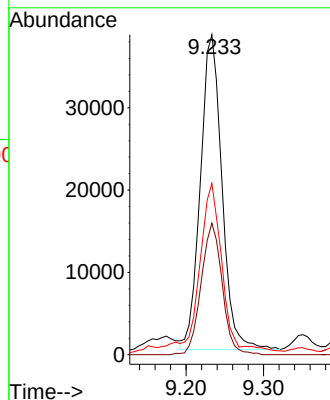
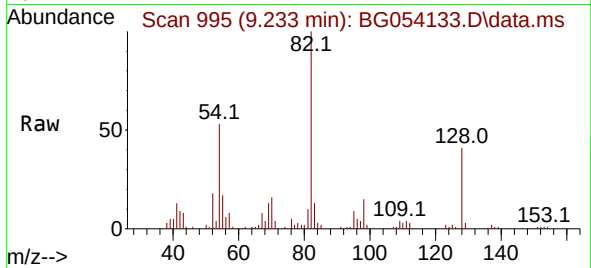




#23
Nitrobenzene-d5
Concen: 30.181 ng
RT: 9.233 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

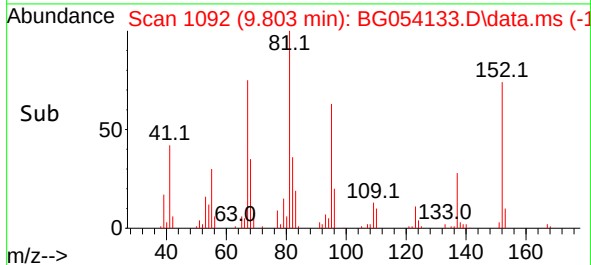
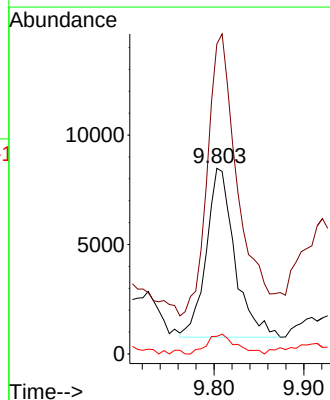
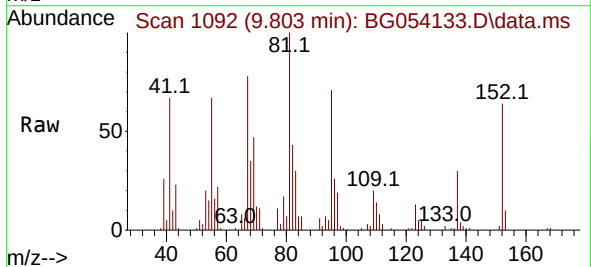
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

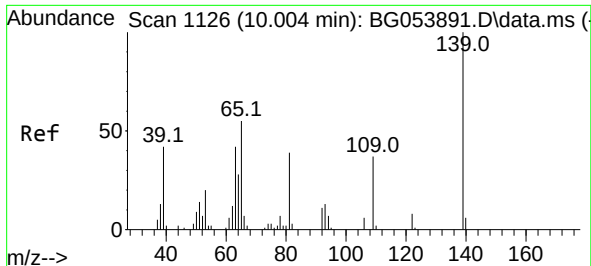
Tgt Ion: 82 Resp: 73977
Ion Ratio Lower Upper
82 100
128 41.1 27.9 41.9
54 53.5 41.2 61.8



#25
Isophorone
Concen: 3.710 ng
RT: 9.803 min Scan# 1092
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion: 82 Resp: 16985
Ion Ratio Lower Upper
82 100
95 166.9 6.2 9.4#
138 9.5 11.6 17.4#

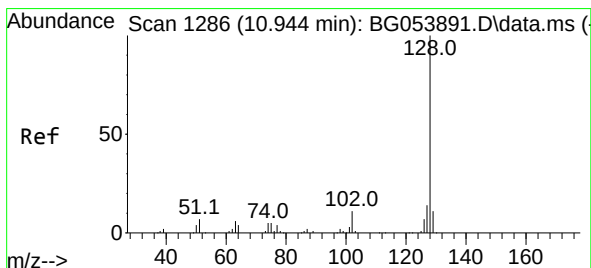
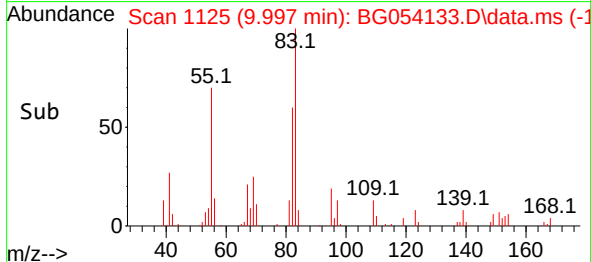
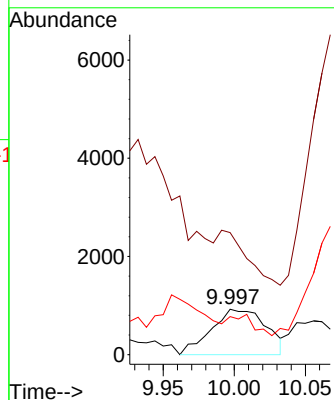
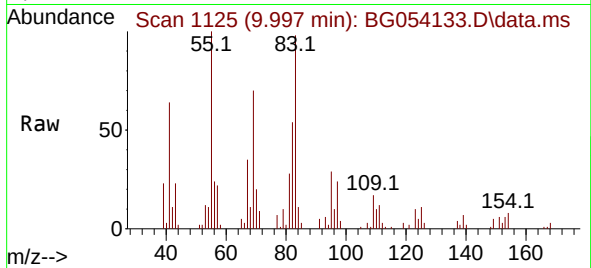




#26
2-Nitrophenol
Concen: 2.327 ng
RT: 9.997 min Scan# 1125
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

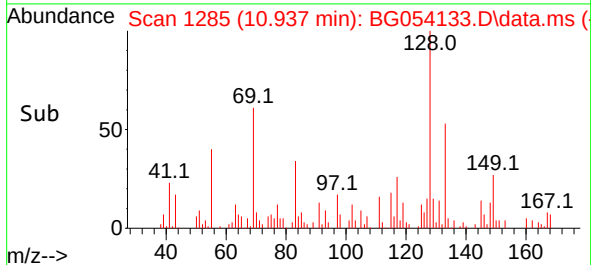
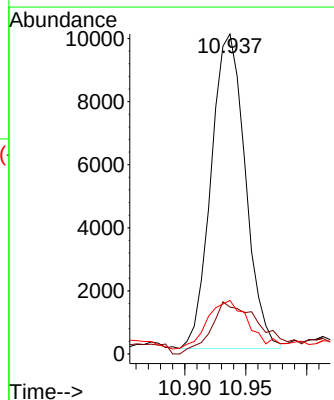
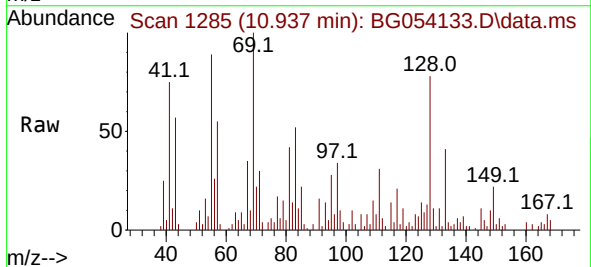
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

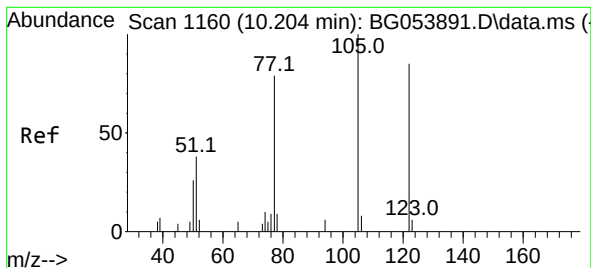
Tgt Ion:139 Resp: 2481
Ion Ratio Lower Upper
139 100
109 268.9 36.1 54.1#
65 84.0 55.8 83.6#



#31
Naphthalene
Concen: 2.798 ng
RT: 10.937 min Scan# 1285
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:128 Resp: 19458
Ion Ratio Lower Upper
128 100
129 14.6 9.0 13.6#
127 16.8 11.1 16.7#





#32

Benzoic acid

Concen: 11.689 ng

RT: 10.209 min Scan# 1161

Delta R.T. 0.011 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1

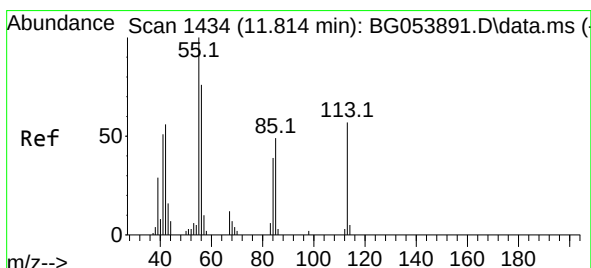
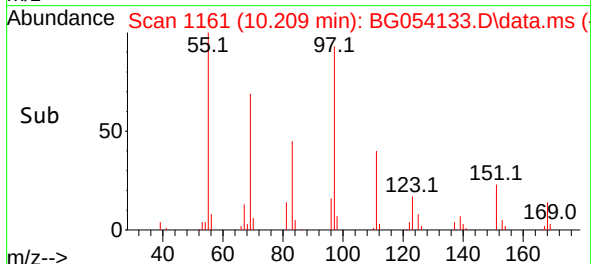
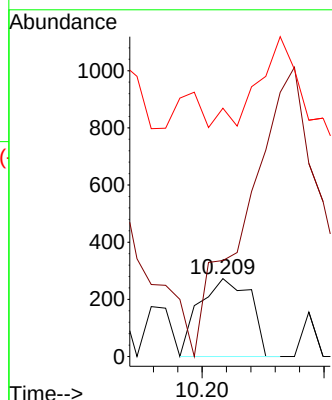
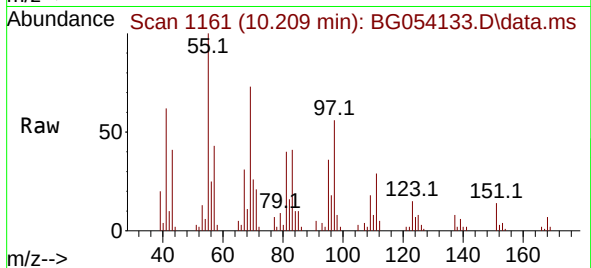
Tgt Ion:122 Resp: 397

Ion Ratio Lower Upper

122 100

105 123.1 111.8 151.8

77 318.3 109.4 149.4#



#35

Caprolactam

Concen: 2.124 ng

RT: 11.818 min Scan# 1435

Delta R.T. 0.029 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

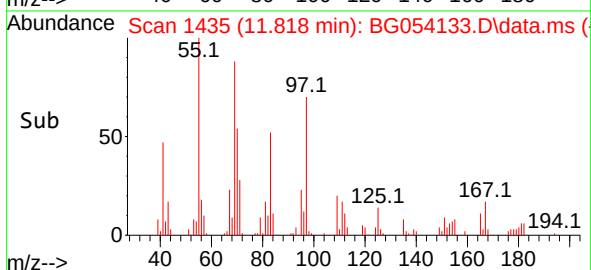
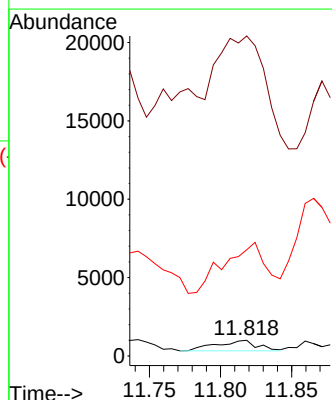
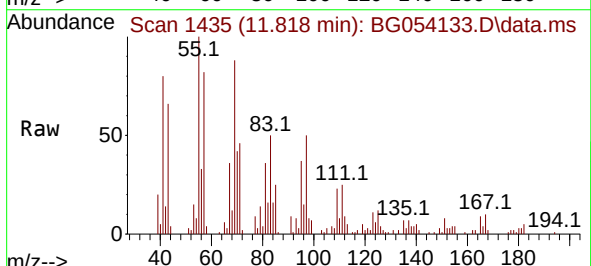
Tgt Ion:113 Resp: 1353

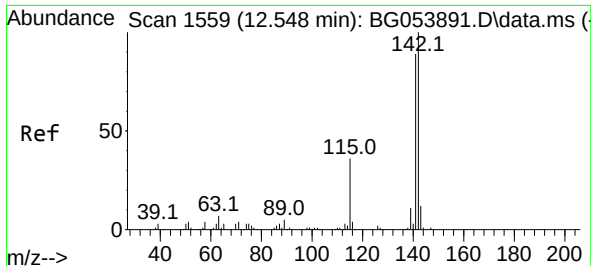
Ion Ratio Lower Upper

113 100

55 2035.5 169.8 209.8#

56 676.3 141.2 181.2#





#37

2-Methylnaphthalene

Concen: 3.010 ng

RT: 12.535 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1

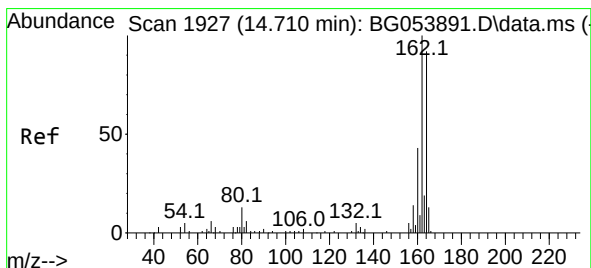
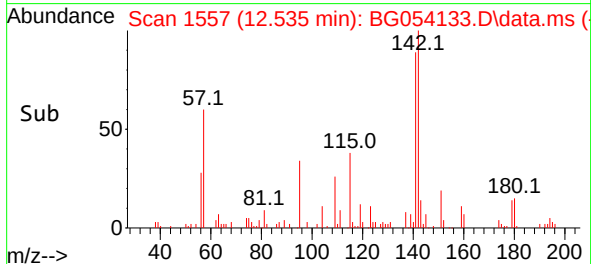
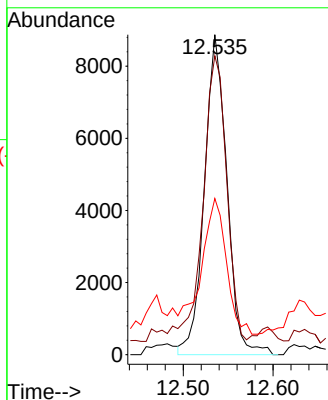
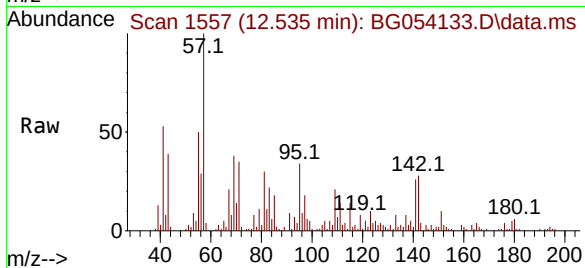
Tgt Ion:142 Resp: 15486

Ion Ratio Lower Upper

142 100

141 93.4 72.3 108.5

115 48.8 33.7 50.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.703 min Scan# 1926

Delta R.T. 0.005 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

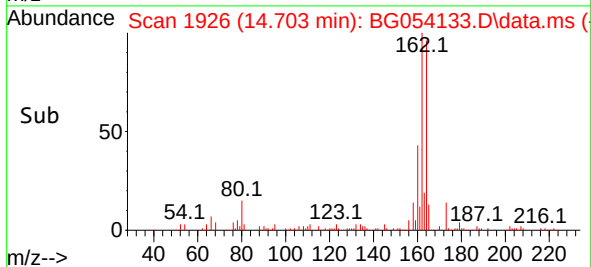
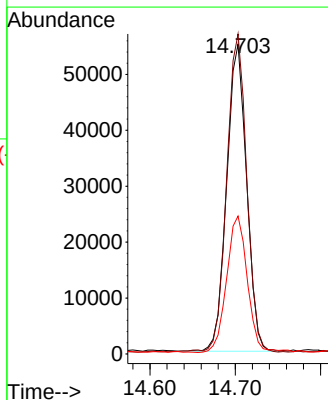
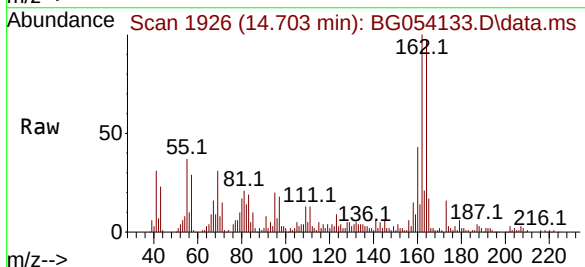
Tgt Ion:164 Resp: 88944

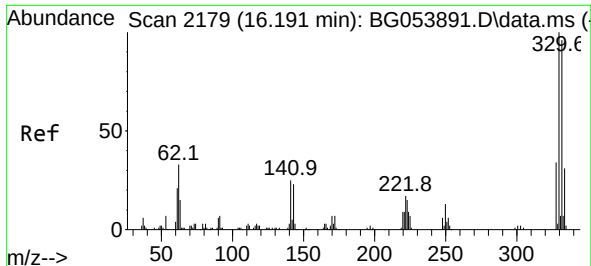
Ion Ratio Lower Upper

164 100

162 103.3 82.3 123.5

160 44.5 34.2 51.2

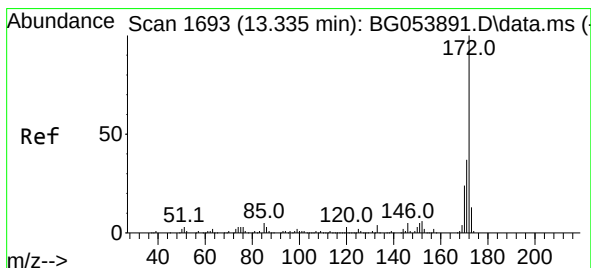
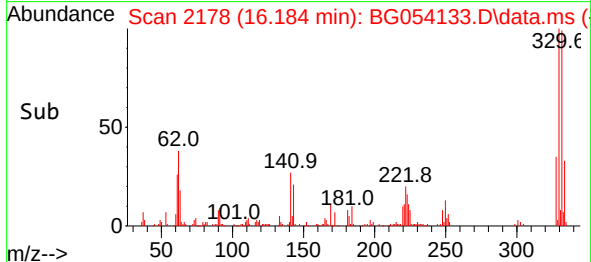
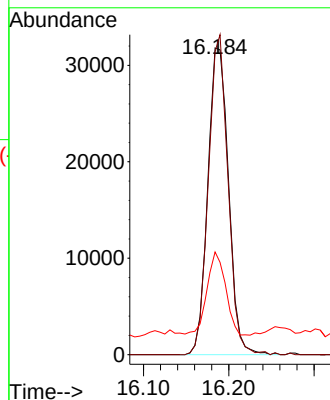
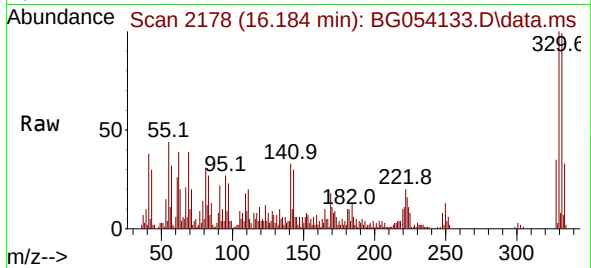




#42
2,4,6-Tribromophenol
Concen: 37.692 ng
RT: 16.184 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

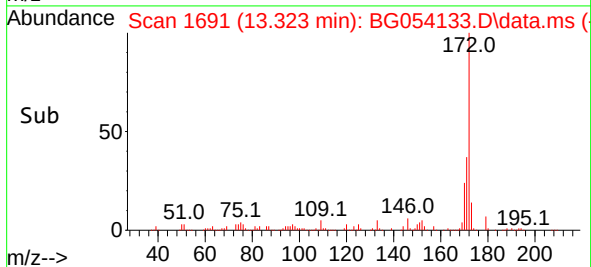
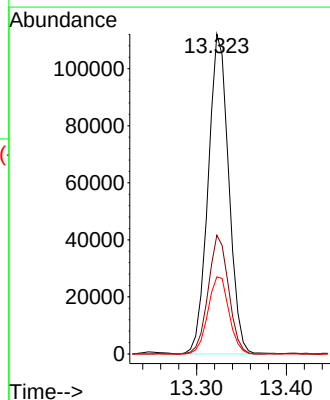
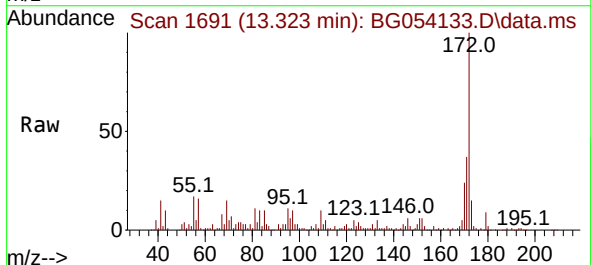
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

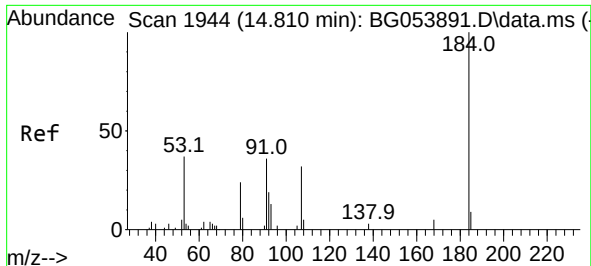
Tgt Ion:330 Resp: 53864
Ion Ratio Lower Upper
330 100
332 98.2 76.0 114.0
141 24.2 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 29.175 ng
RT: 13.323 min Scan# 1691
Delta R.T. -0.001 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:172 Resp: 178454
Ion Ratio Lower Upper
172 100
171 37.1 28.5 42.7
170 24.1 18.9 28.3

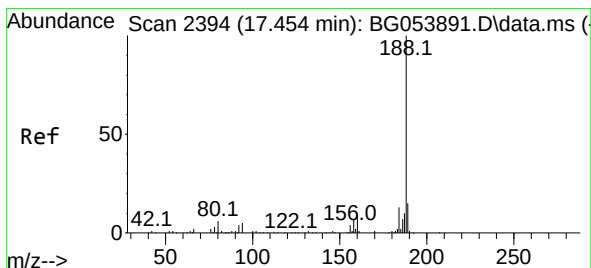
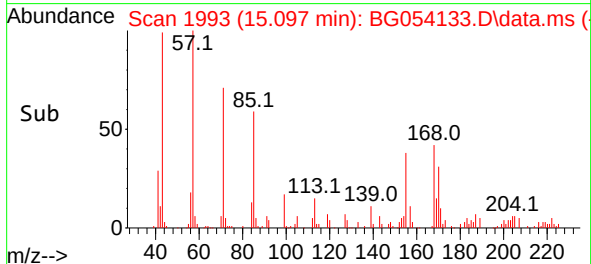
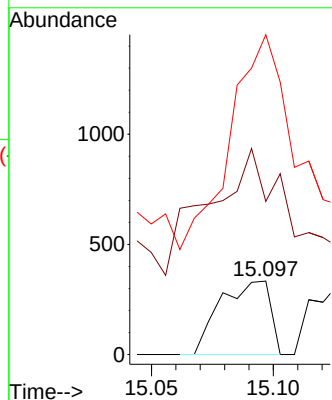
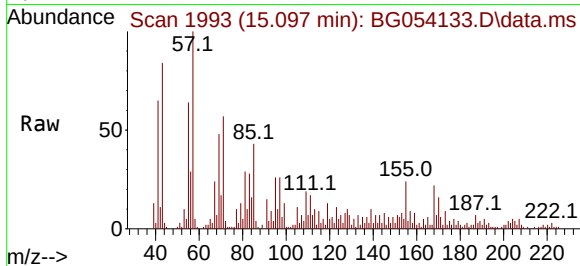




#54
2,4-Dinitrophenol
Concen: 7.624 ng
RT: 15.097 min Scan# 1944
Delta R.T. 0.293 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

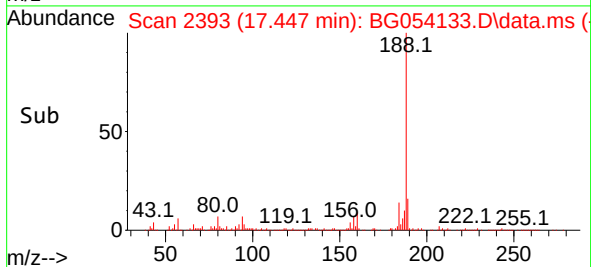
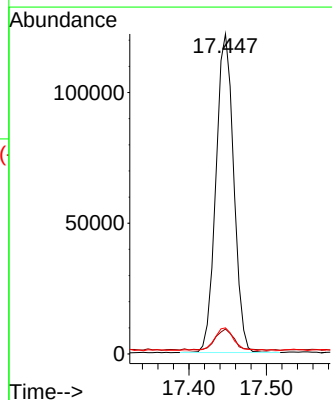
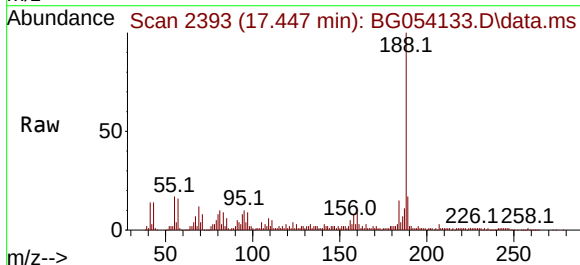
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

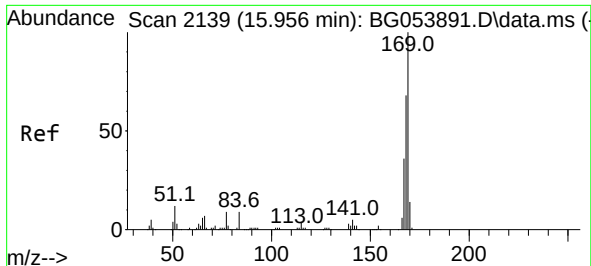
Tgt Ion:184 Resp: 475
Ion Ratio Lower Upper
184 100
63 208.1 61.1 91.7#
154 434.7 60.6 91.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.447 min Scan# 2393
Delta R.T. 0.005 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:188 Resp: 193919
Ion Ratio Lower Upper
188 100
94 7.8 5.4 8.0
80 8.2 6.8 10.2

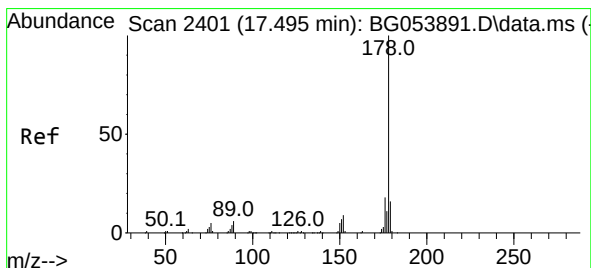
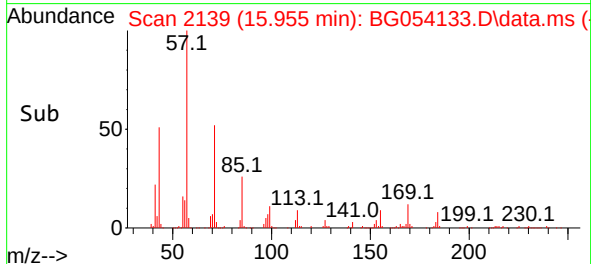
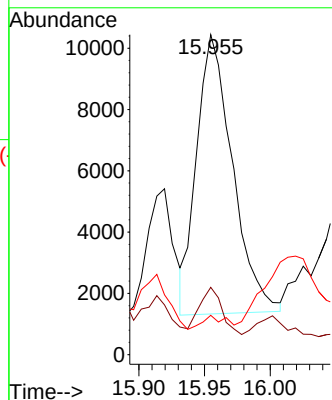
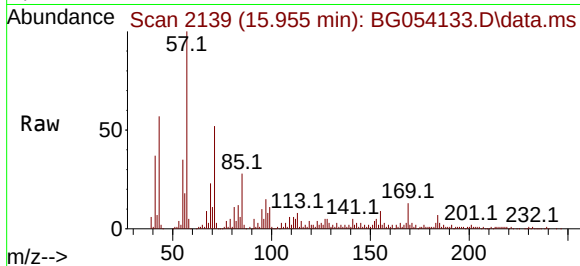




#66
 n-Nitrosodiphenylamine
 Concen: 3.425 ng
 RT: 15.955 min Scan# 2139
 Delta R.T. 0.011 min
 Lab File: BG054133.D
 Acq: 29 Jun 2022 1:23

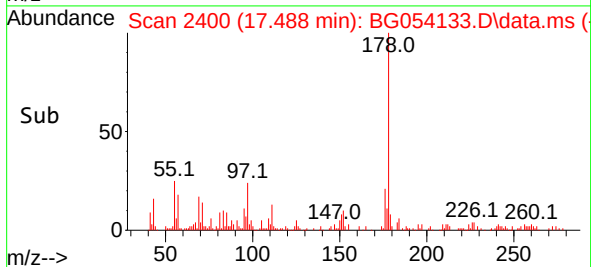
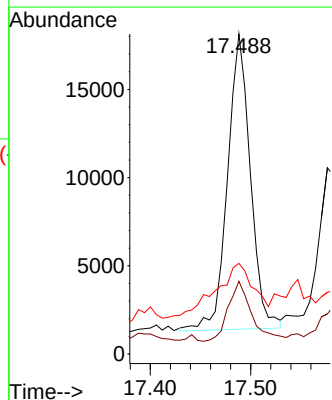
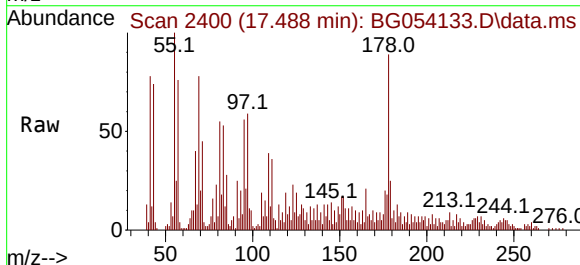
Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-1

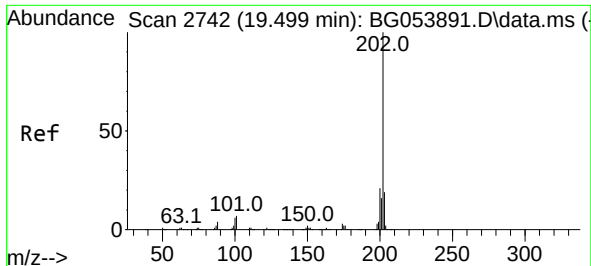
Tgt Ion:169 Resp: 17310
 Ion Ratio Lower Upper
 169 100
 168 21.1 55.9 83.9#
 167 12.3 30.6 46.0#



#71
 Phenanthrene
 Concen: 2.661 ng
 RT: 17.488 min Scan# 2400
 Delta R.T. 0.005 min
 Lab File: BG054133.D
 Acq: 29 Jun 2022 1:23

Tgt Ion:178 Resp: 26512
 Ion Ratio Lower Upper
 178 100
 176 22.7 14.1 21.1#
 179 28.3 12.1 18.1#

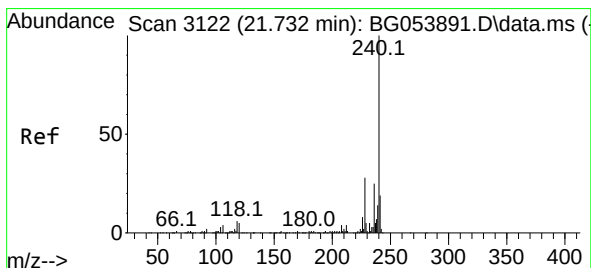
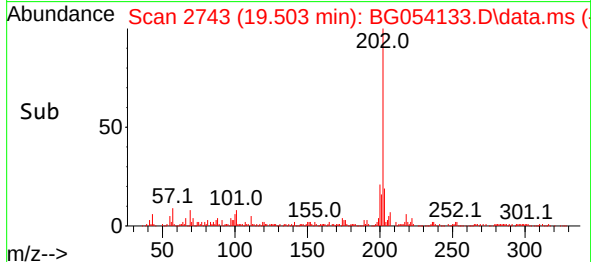
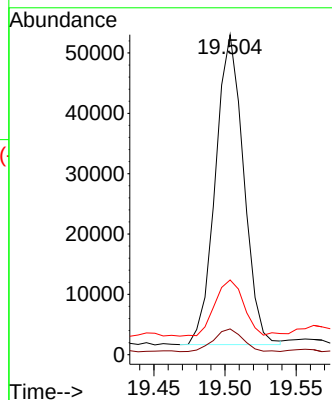
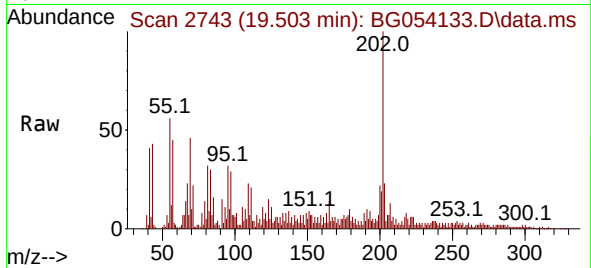




#75
Fluoranthene
Concen: 5.406 ng
RT: 19.503 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

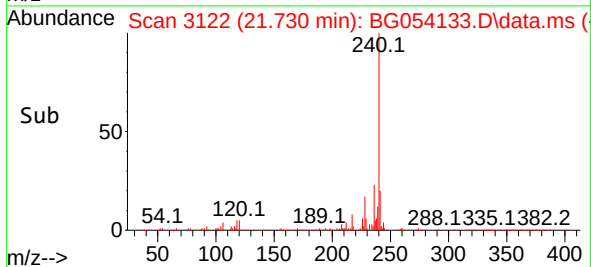
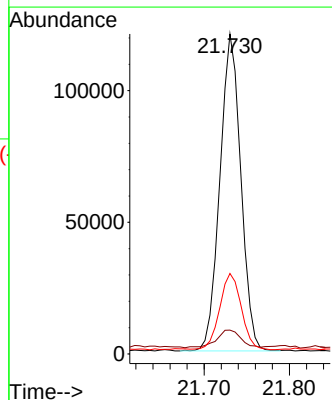
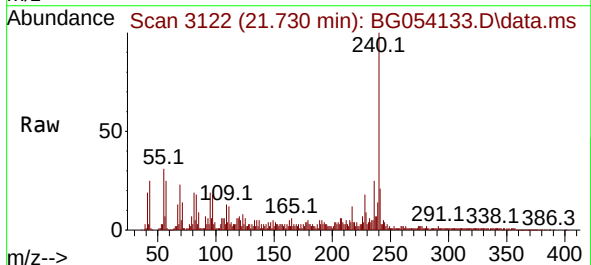
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

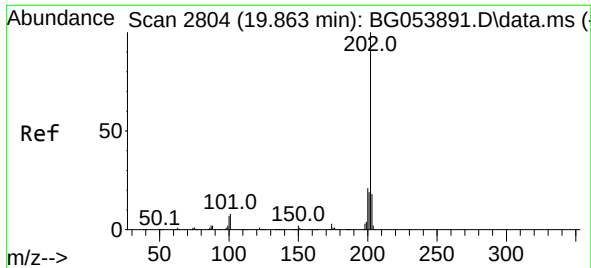
Tgt Ion:202 Resp: 70710
Ion Ratio Lower Upper
202 100
101 8.1 0.0 26.9
203 23.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.730 min Scan# 3122
Delta R.T. 0.011 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:240 Resp: 205613
Ion Ratio Lower Upper
240 100
120 7.5 4.6 7.0#
236 25.1 20.2 30.4

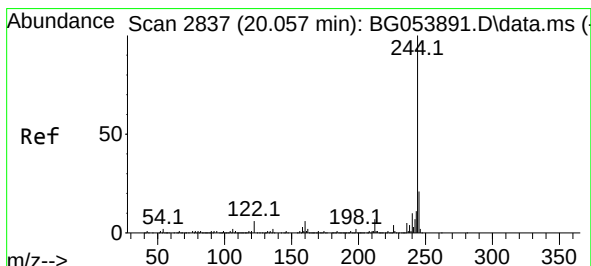
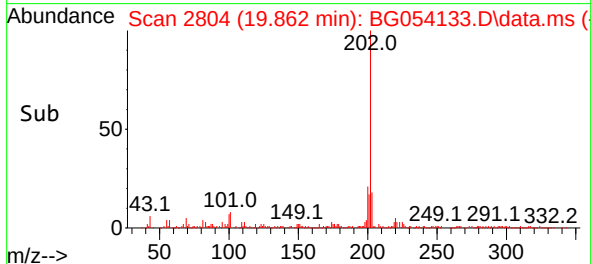
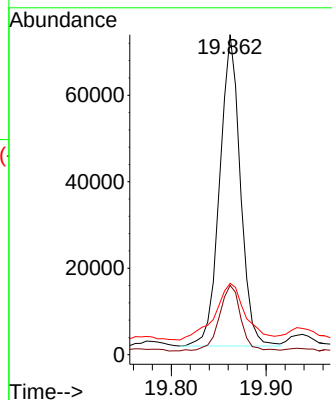
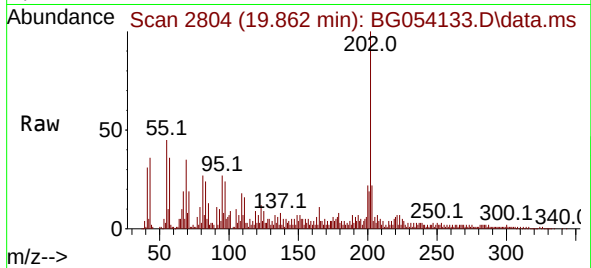




#78
 Pyrene
 Concen: 8.804 ng
 RT: 19.862 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: BG054133.D
 Acq: 29 Jun 2022 1:23

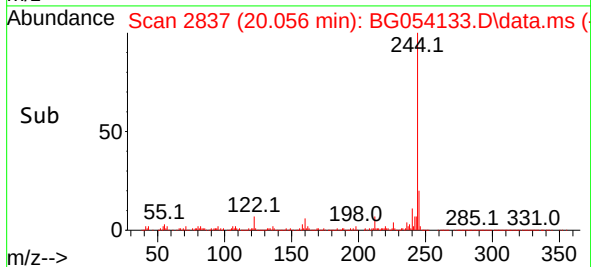
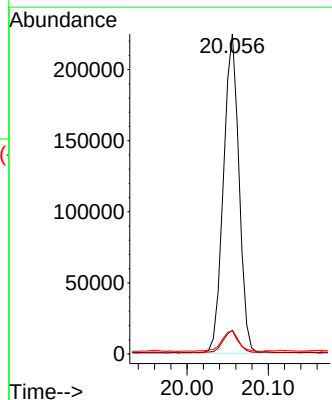
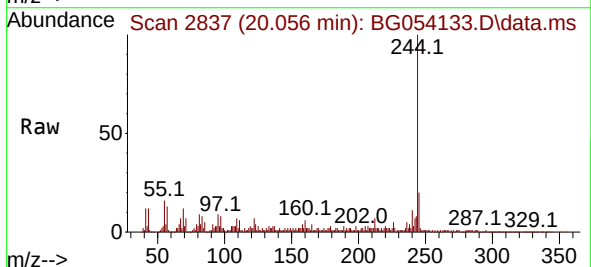
Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-1

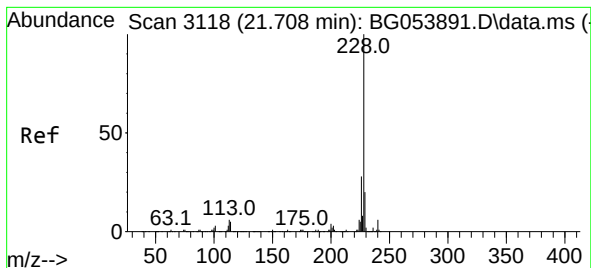
Tgt Ion:202 Resp: 109337
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.6 24.8
 203 22.3 14.6 21.8#



#79
 Terphenyl-d14
 Concen: 29.279 ng
 RT: 20.056 min Scan# 2837
 Delta R.T. 0.011 min
 Lab File: BG054133.D
 Acq: 29 Jun 2022 1:23

Tgt Ion:244 Resp: 298901
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 7.3 5.0 7.4





#81

Benzo(a)anthracene

Concen: 7.703 ng

RT: 21.713 min Scan# 3118

Delta R.T. 0.017 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1

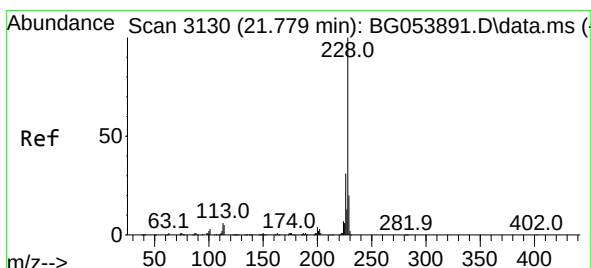
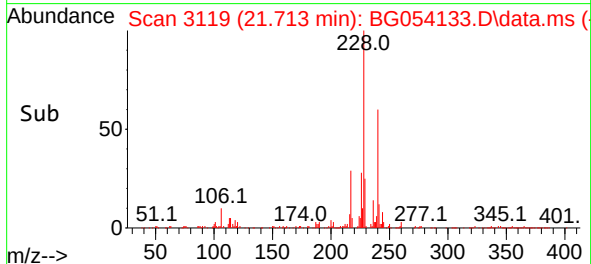
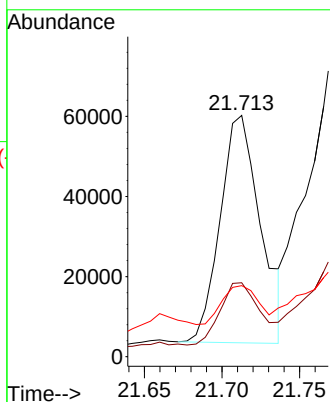
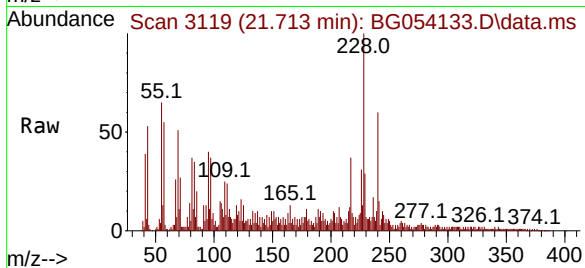
Tgt Ion:228 Resp: 102545

Ion Ratio Lower Upper

228 100

226 30.6 21.6 32.4

229 29.4 16.2 24.2#



#83

Chrysene

Concen: 15.197 ng

RT: 21.777 min Scan# 3130

Delta R.T. 0.017 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

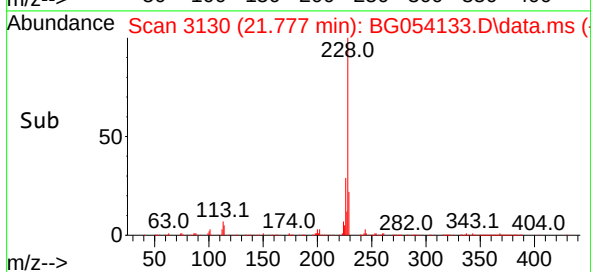
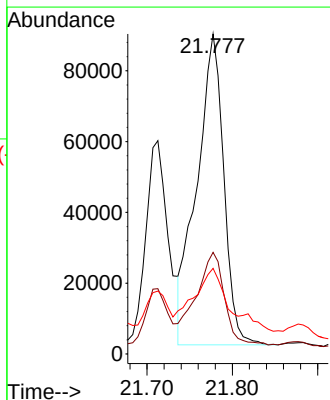
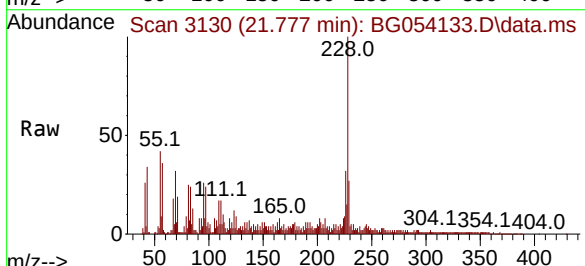
Tgt Ion:228 Resp: 192854

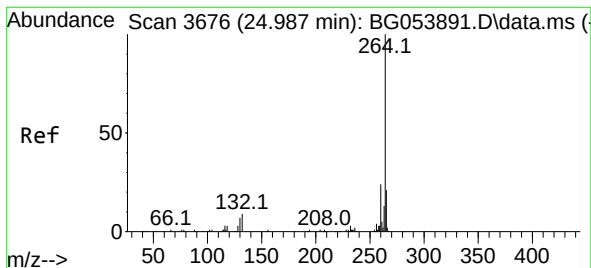
Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.2

229 26.8 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.015 min Scan# 3

Delta R.T. 0.052 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1

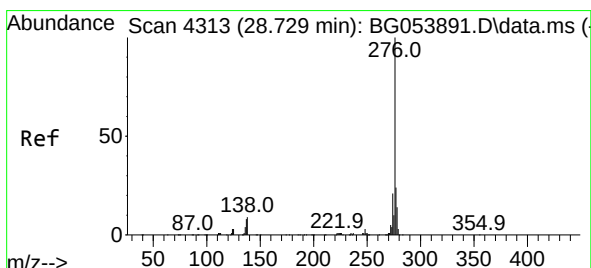
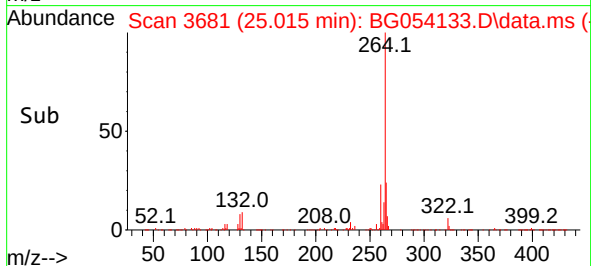
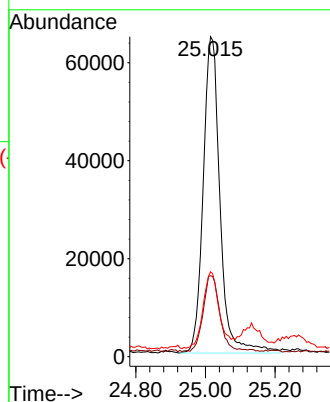
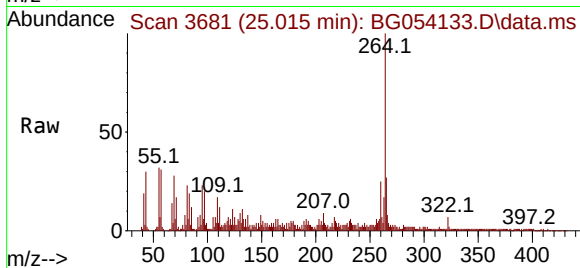
Tgt Ion:264 Resp: 216751

Ion Ratio Lower Upper

264 100

260 25.3 19.0 28.6

265 26.5 17.4 26.2#



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.978 ng

RT: 28.775 min Scan# 4321

Delta R.T. 0.088 min

Lab File: BG054133.D

Acq: 29 Jun 2022 1:23

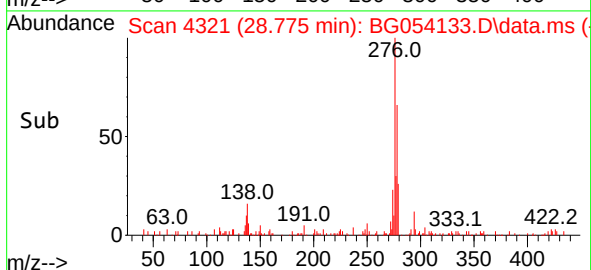
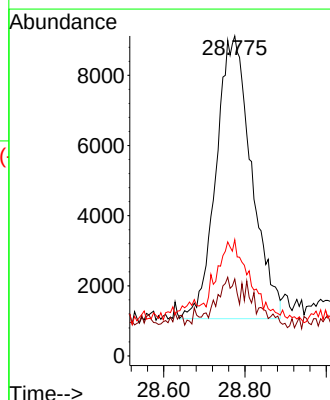
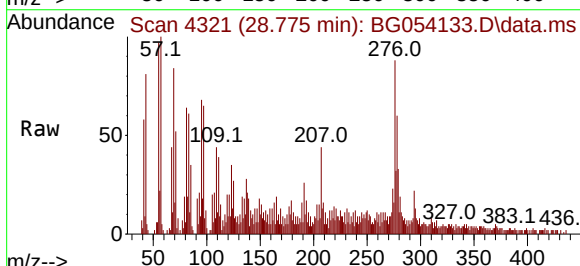
Tgt Ion:276 Resp: 48704

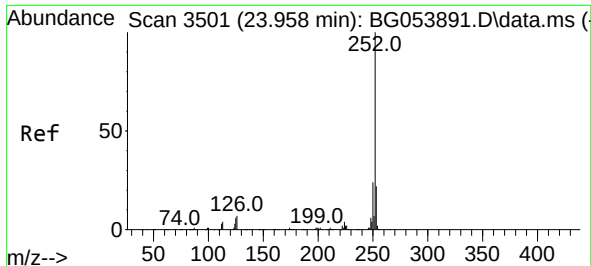
Ion Ratio Lower Upper

276 100

138 6.8 5.0 7.4

277 25.1 20.3 30.5

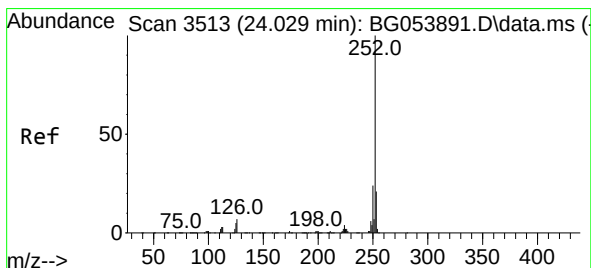
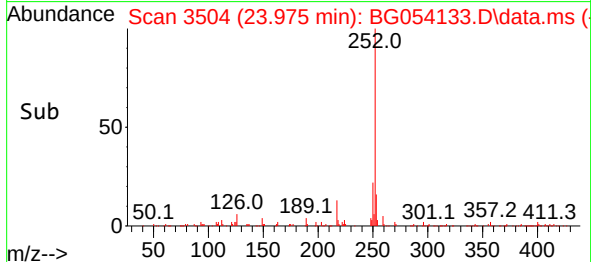
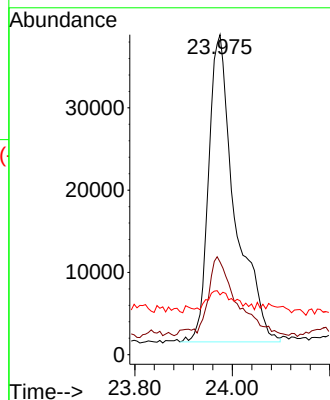
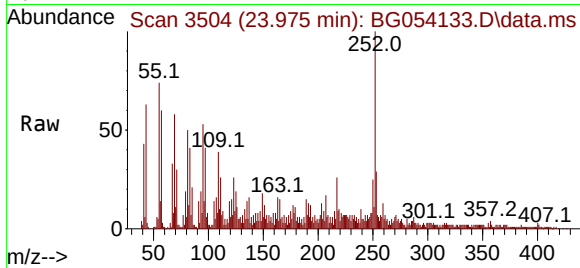




#88
Benzo(b)fluoranthene
Concen: 10.627 ng
RT: 23.975 min Scan# 3504
Delta R.T. 0.041 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

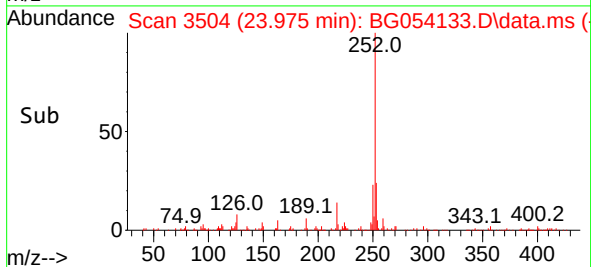
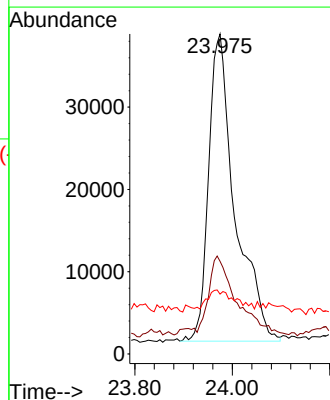
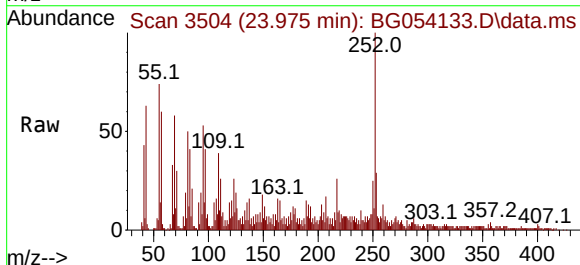
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

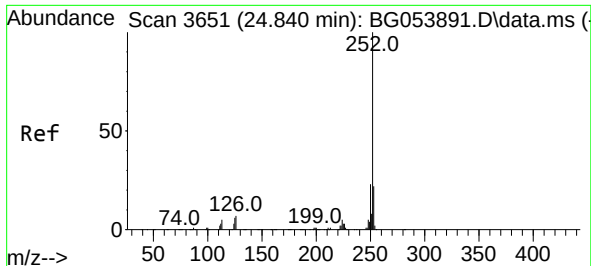
Tgt Ion:252 Resp: 140057
Ion Ratio Lower Upper
252 100
253 29.0 18.0 27.0#
125 18.7 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 10.734 ng
RT: 23.975 min Scan# 3504
Delta R.T. -0.030 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:252 Resp: 140057
Ion Ratio Lower Upper
252 100
253 29.0 18.4 27.6#
125 18.7 4.8 7.2#

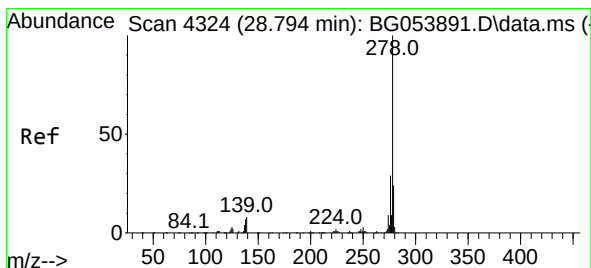
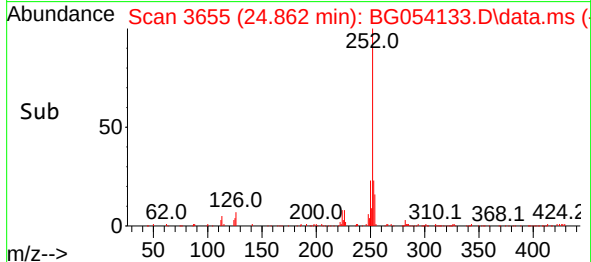
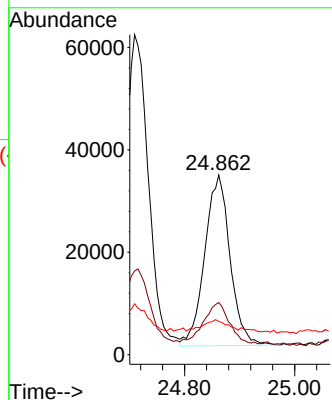
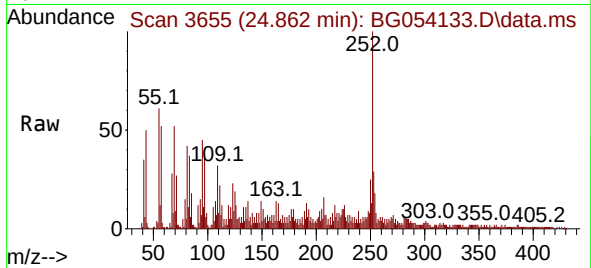




#90
Benzo(a)pyrene
Concen: 9.598 ng
RT: 24.862 min Scan# 30
Delta R.T. 0.046 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

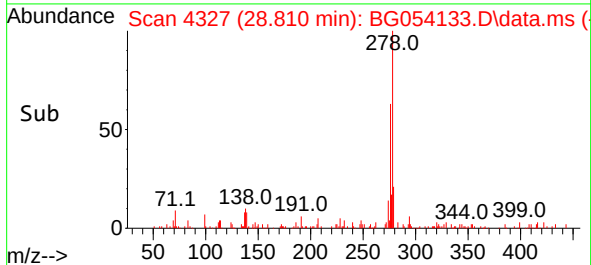
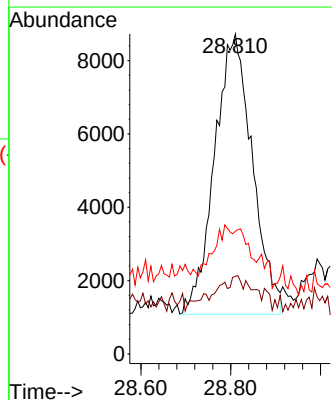
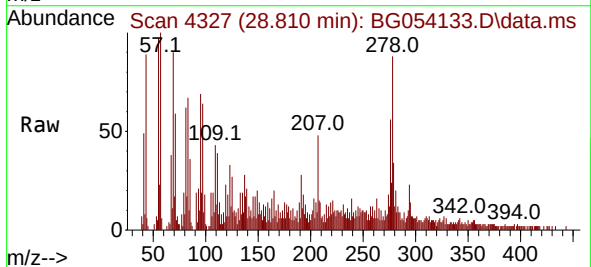
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-1

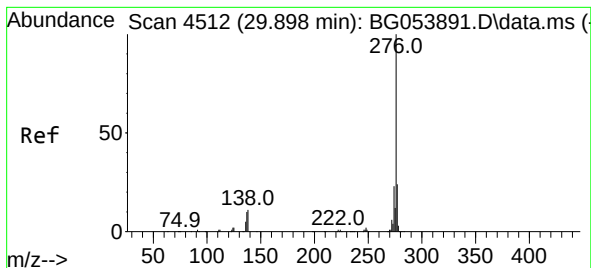
Tgt Ion:252 Resp: 106721
Ion Ratio Lower Upper
252 100
253 29.0 17.8 26.8#
125 18.5 4.3 6.5#



#91
Dibenzo(a,h)anthracene
Concen: 3.307 ng
RT: 28.810 min Scan# 4327
Delta R.T. 0.064 min
Lab File: BG054133.D
Acq: 29 Jun 2022 1:23

Tgt Ion:278 Resp: 44727
Ion Ratio Lower Upper
278 100
139 24.3 7.2 10.8#
279 38.3 18.6 27.8#





#92

Benzo(g,h,i)perylene

Concen: 6.191 ng

RT: 29.932 min Scan# 4

Delta R.T. 0.070 min

Lab File: BG054133.D

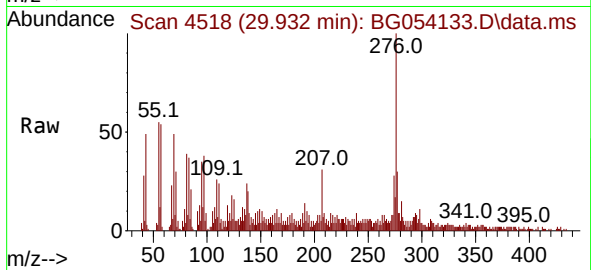
Acq: 29 Jun 2022 1:23

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-1



Tgt Ion:276 Resp: 82646

Ion Ratio Lower Upper

276 100

277 29.5 17.3 25.9#

138 19.7 9.6 14.4#

