

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101121\
 Data File : BG050544.D
 Acq On : 11 Oct 2021 20:52
 Operator : CG/JU
 Sample : M4136-01DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC124055DL

Quant Time: Oct 12 04:49:40 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

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

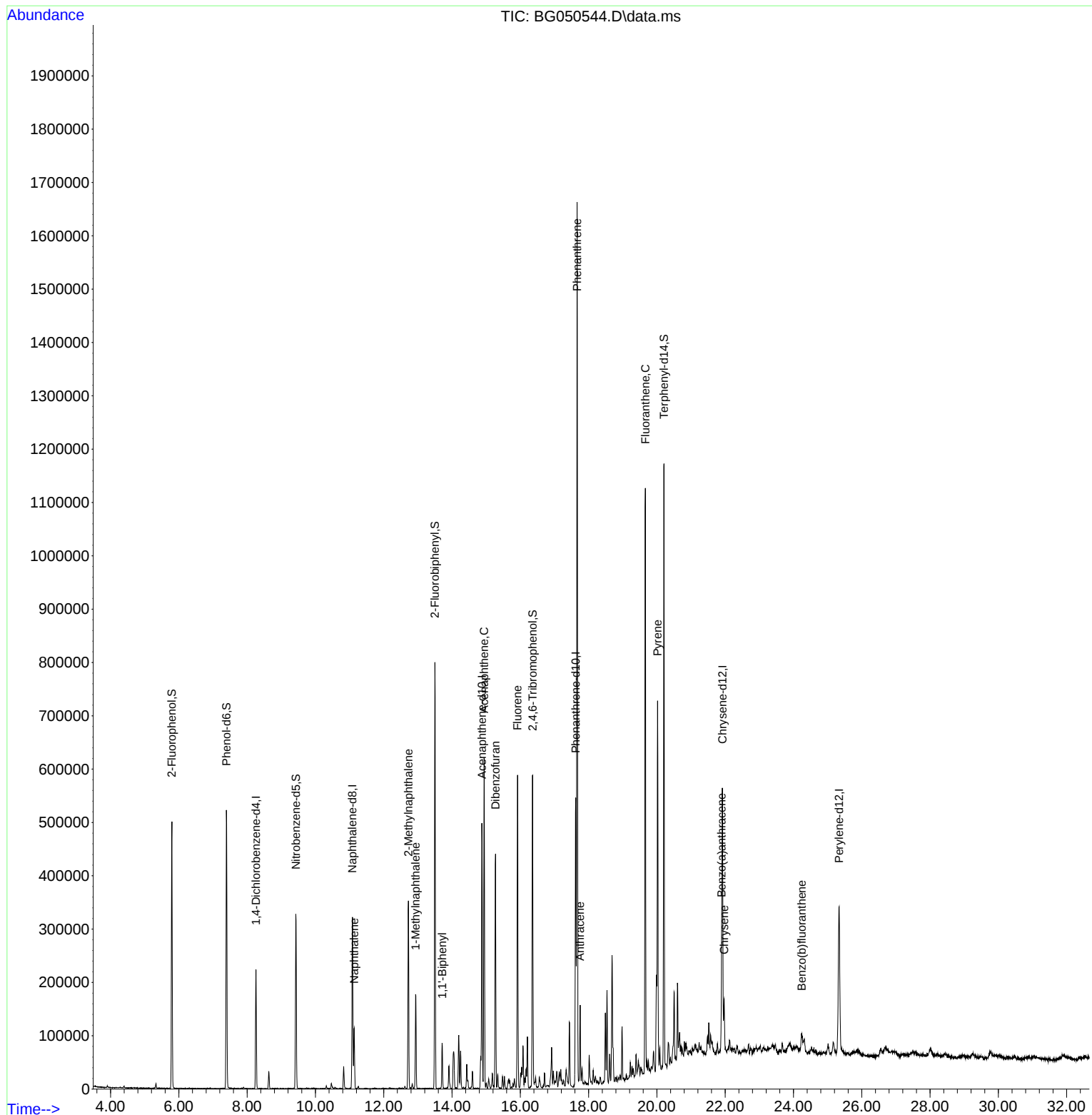
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	57300	20.00	ng	0.00
21) Naphthalene-d8	11.084	136	258190	20.00	ng	# 0.00
39) Acenaphthene-d10	14.874	164	168229	20.00	ng	0.00
64) Phenanthrene-d10	17.624	188	333466	20.00	ng	# 0.00
76) Chrysene-d12	21.919	240	283866	20.00	ng	# 0.00
86) Perylene-d12	25.332	264	283059	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	206776	53.97	ng	0.00
7) Phenol-d6	7.394	99	291840	52.61	ng	0.00
23) Nitrobenzene-d5	9.427	82	209655	33.61	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	73176	45.60	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	389275	34.83	ng	0.00
79) Terphenyl-d14	20.209	244	504294	34.62	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.137	128	93845	6.79	ng	98
37) 2-Methylnaphthalene	12.723	142	160385	16.82	ng	93
38) 1-Methylnaphthalene	12.935	142	78348	8.47	ng	94
46) 1,1'-Biphenyl	13.711	154	43190	3.52	ng	93
52) Acenaphthene	14.938	154	212573	21.43	ng	93
55) Dibenzofuran	15.273	168	272714	17.77	ng	97
58) Fluorene	15.920	166	256297	21.75	ng	97
71) Phenanthrene	17.665	178	978591	55.69	ng	98
72) Anthracene	17.753	178	94309	5.40	ng	97
75) Fluoranthene	19.662	202	681573	31.55	ng	96
78) Pyrene	20.021	202	454137	22.55	ng	97
81) Benzo(a)anthracene	21.895	228	97730	5.20	ng	96
83) Chrysene	21.971	228	74785	4.23	ng	97
88) Benzo(b)fluoranthene	24.239	252	44558	2.57	ng	# 92

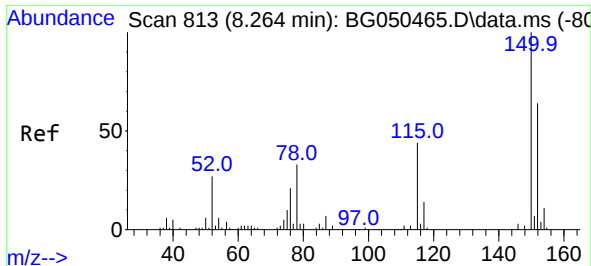
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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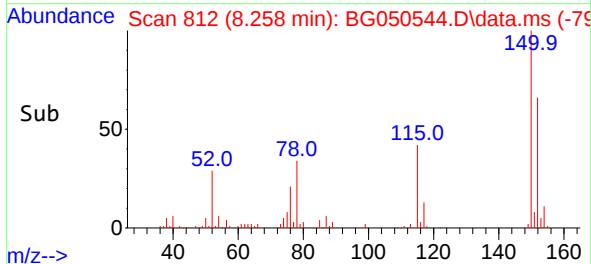
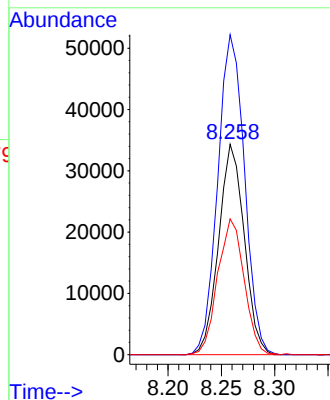
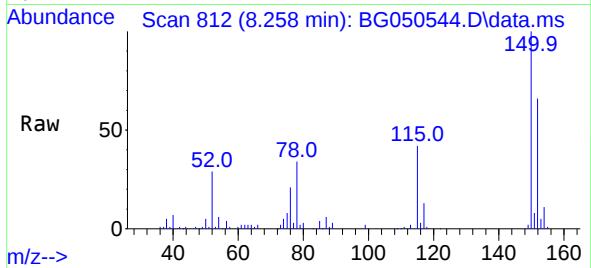




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.258 min Scan# 812
Delta R.T. -0.006 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

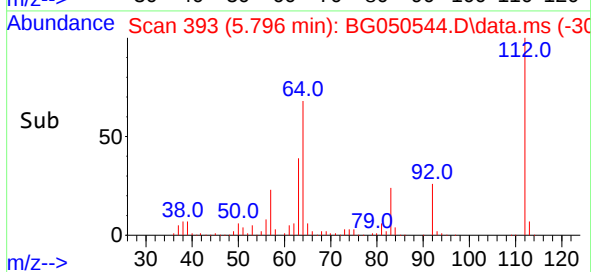
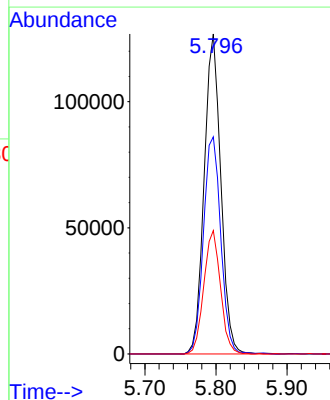
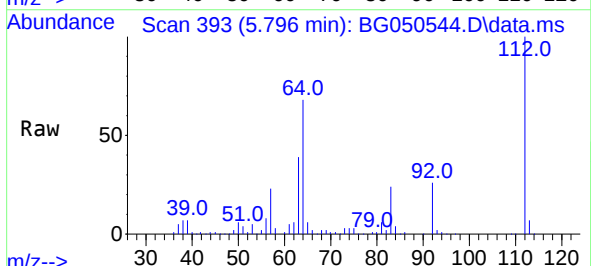
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

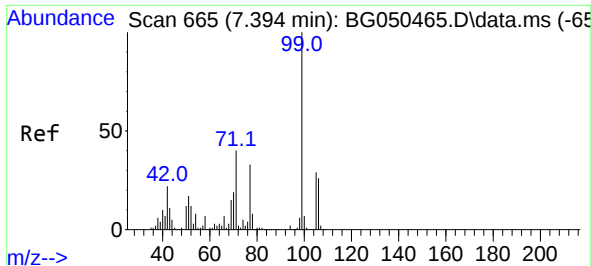
Tgt Ion:152 Resp: 57300
Ion Ratio Lower Upper
152 100
150 152.1 119.4 179.0
115 64.6 60.2 90.4



#5
2-Fluorophenol
Concen: 53.97 ng
RT: 5.796 min Scan# 393
Delta R.T. 0.006 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:112 Resp: 206776
Ion Ratio Lower Upper
112 100
64 67.8 46.7 70.1
63 38.5 35.3 52.9

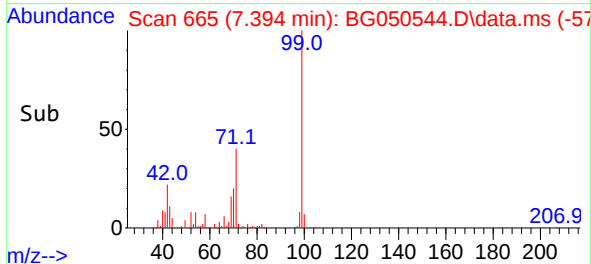
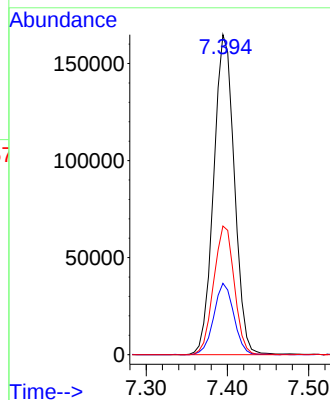
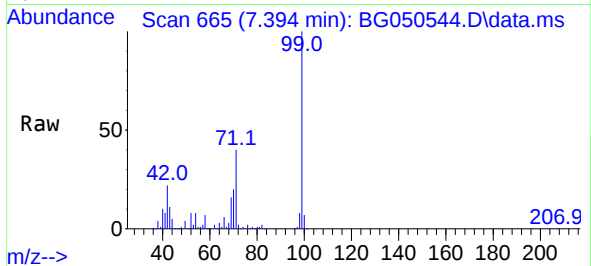




#7
Phenol-d6
Concen: 52.61 ng
RT: 7.394 min Scan# 665
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

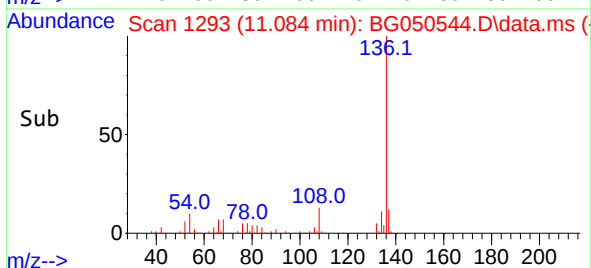
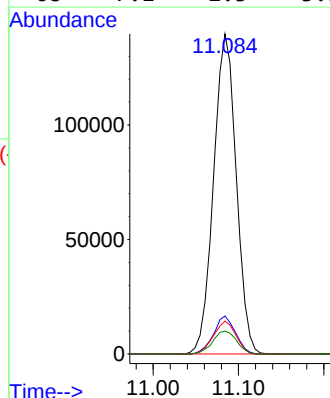
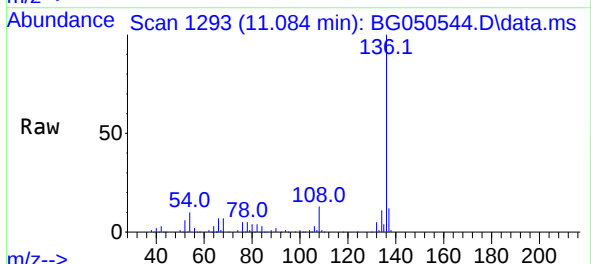
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

Tgt Ion: 99 Resp: 291840
Ion Ratio Lower Upper
99 100
42 22.3 20.5 30.7
71 40.2 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.084 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:136 Resp: 258190
Ion Ratio Lower Upper
136 100
137 11.9 8.2 12.2
54 10.2 5.5 8.3#
68 7.1 2.3 3.5#

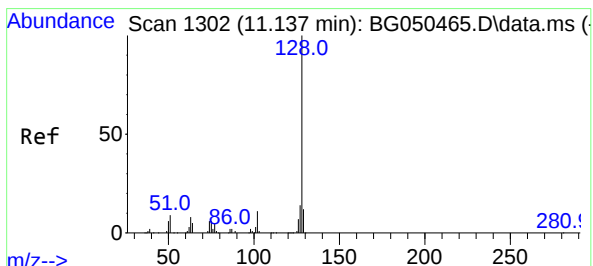
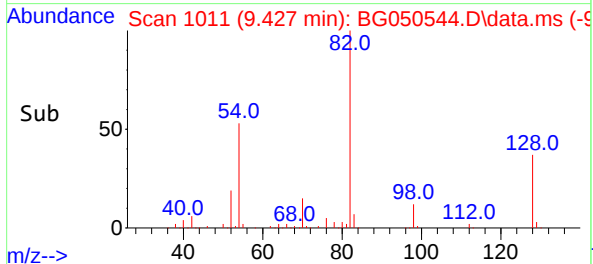
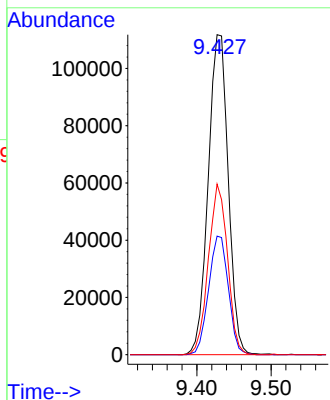
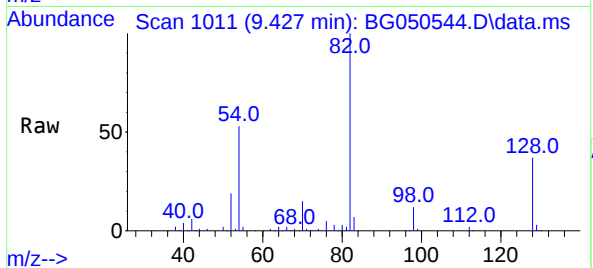




#23
Nitrobenzene-d5
Concen: 33.61 ng
RT: 9.427 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

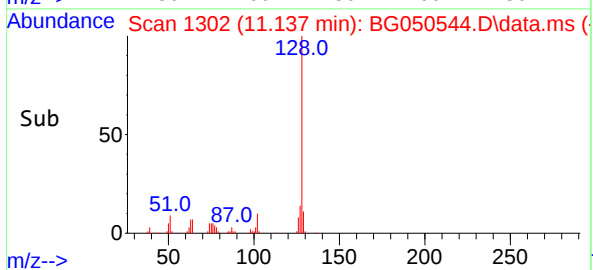
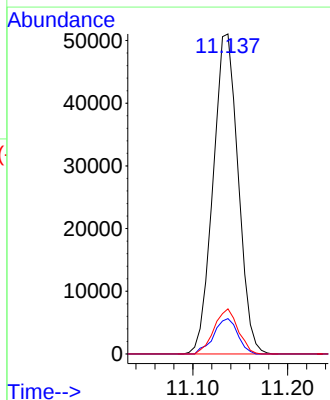
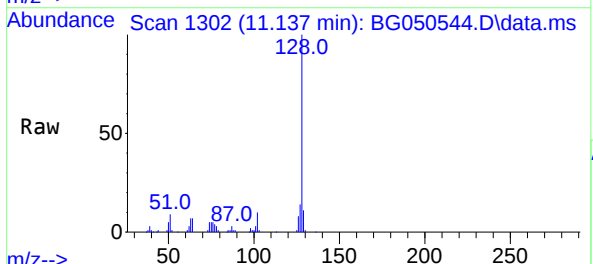
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

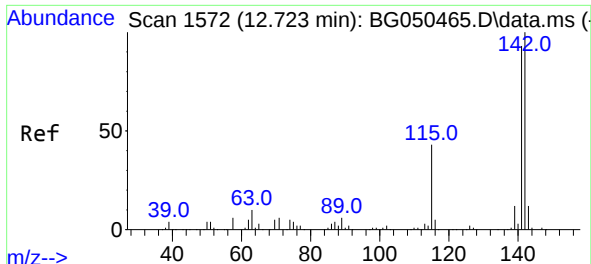
Tgt Ion: 82 Resp: 209655
Ion Ratio Lower Upper
82 100
128 37.1 29.8 44.6
54 53.3 45.8 68.8



#31
Naphthalene
Concen: 6.79 ng
RT: 11.137 min Scan# 1302
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion: 128 Resp: 93845
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 14.1 10.2 15.4

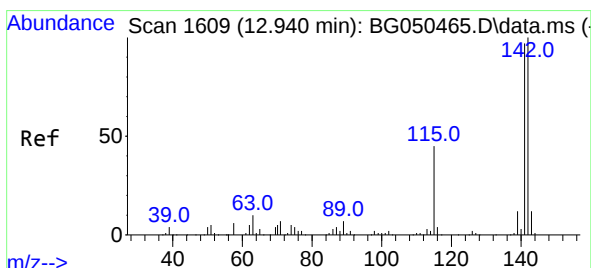
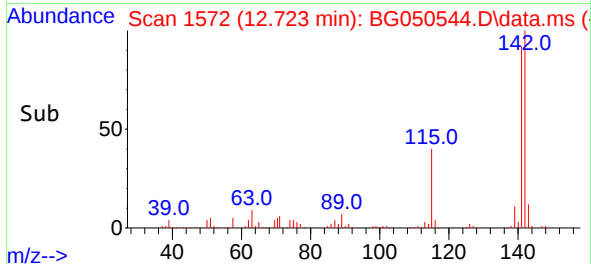
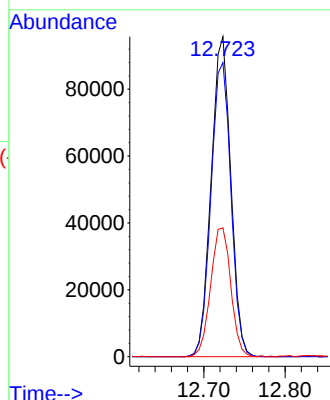
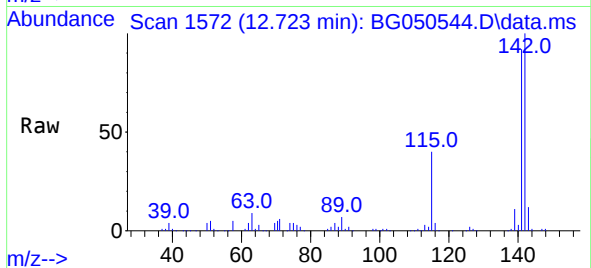




#37
2-Methylnaphthalene
Concen: 16.82 ng
RT: 12.723 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

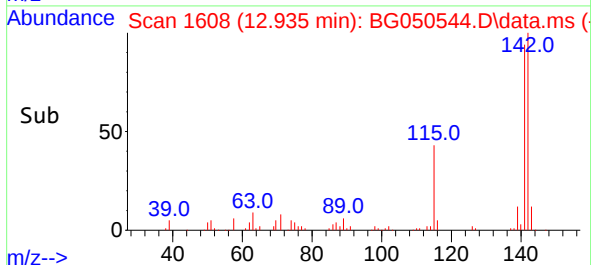
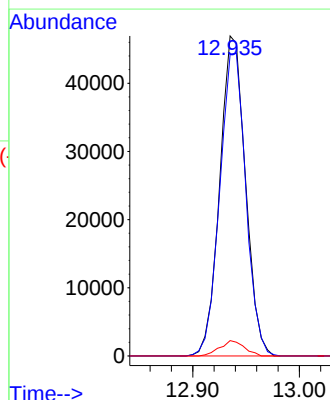
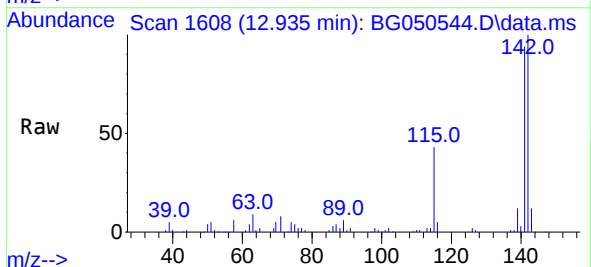
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

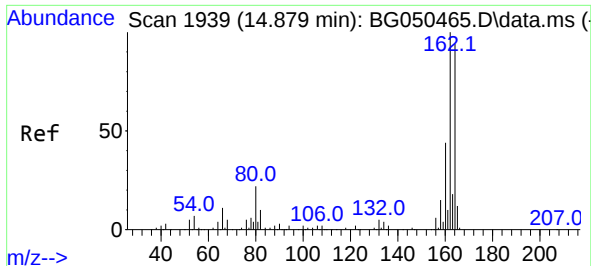
Tgt Ion:142 Resp: 160385
Ion Ratio Lower Upper
142 100
141 91.9 68.8 103.2
115 40.3 36.4 54.6



#38
1-Methylnaphthalene
Concen: 8.47 ng
RT: 12.935 min Scan# 1608
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:142 Resp: 78348
Ion Ratio Lower Upper
142 100
141 94.2 70.6 106.0
116 4.8 4.0 6.0

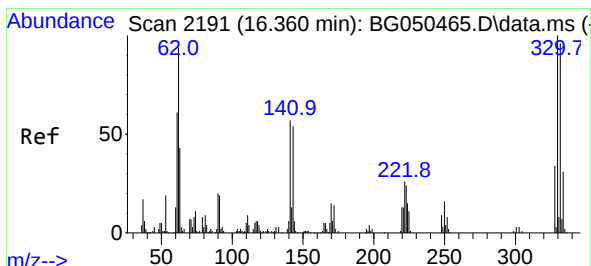
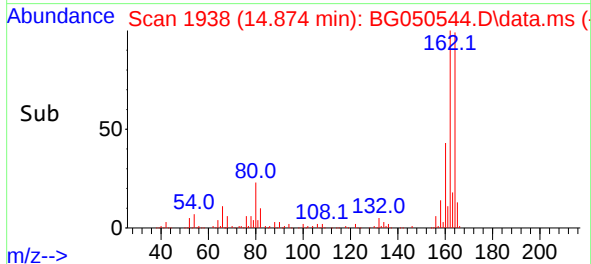
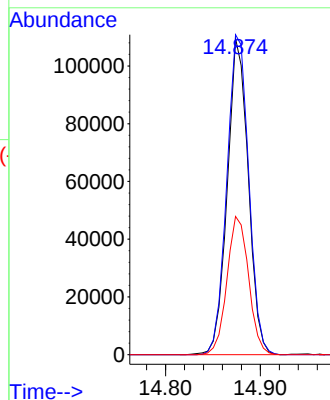
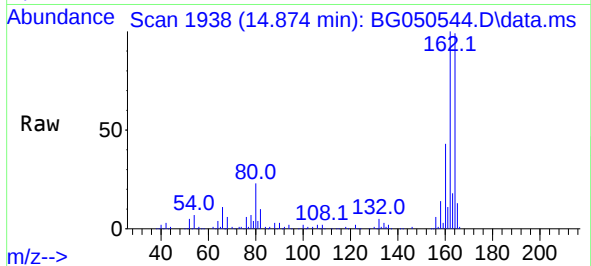




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

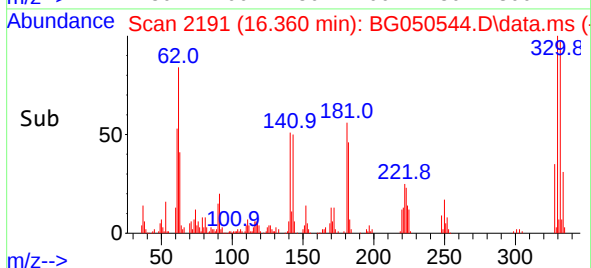
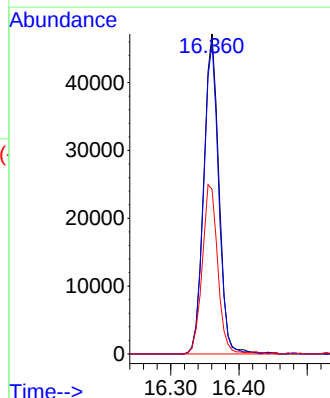
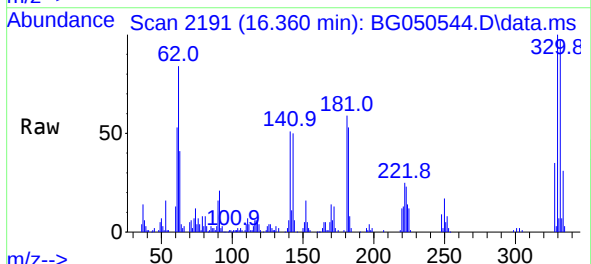
Instrument :
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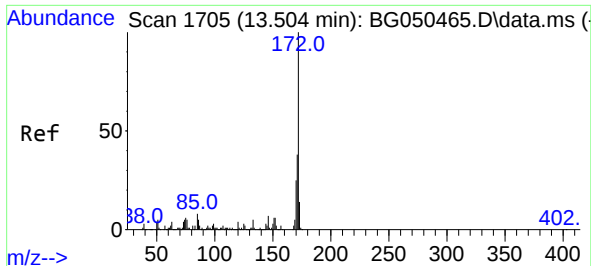
Tgt Ion:164 Resp: 168229
Ion Ratio Lower Upper
164 100
162 101.2 81.4 122.0
160 43.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 45.60 ng
RT: 16.360 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:330 Resp: 73176
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 53.5 35.6 53.4#

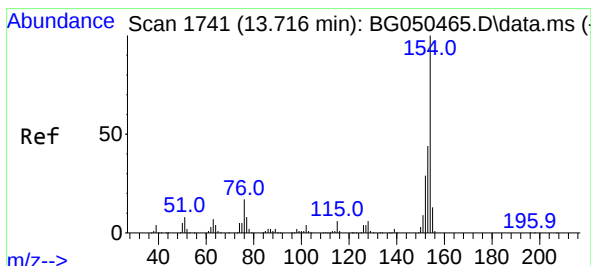
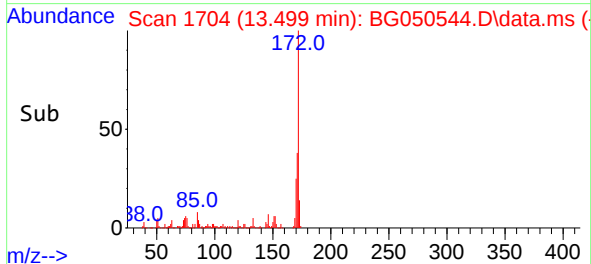
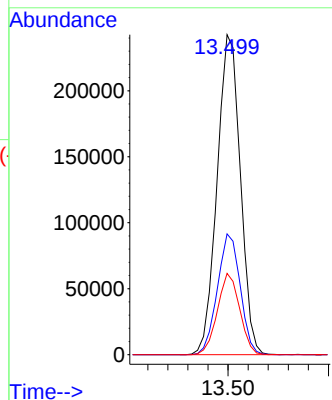
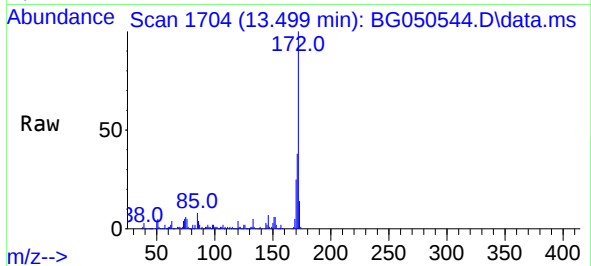




#45
2-Fluorobiphenyl
Concen: 34.83 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

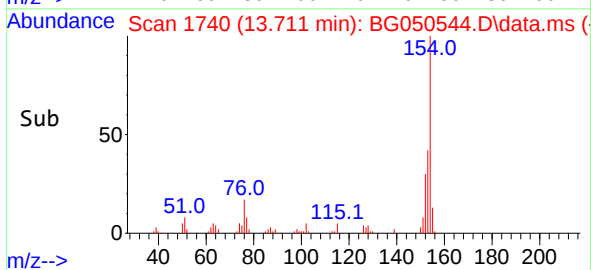
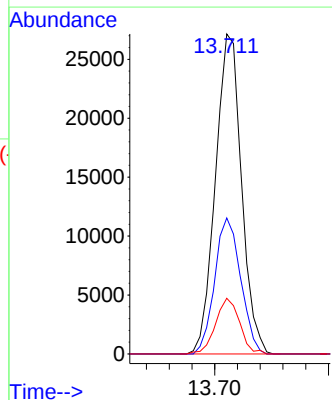
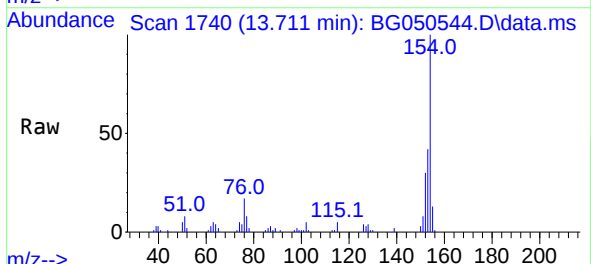
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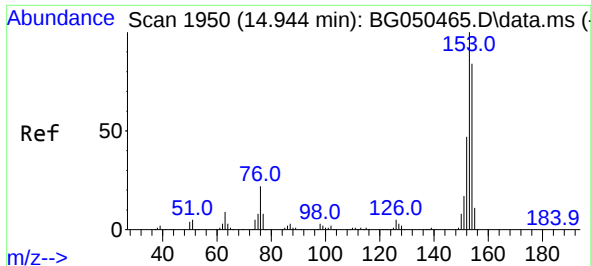
Tgt Ion:172 Resp: 389275
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 25.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 3.52 ng
RT: 13.711 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

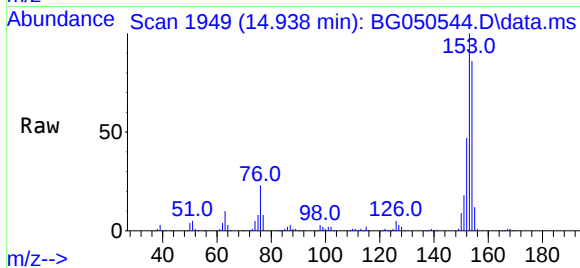
Tgt Ion:154 Resp: 43190
Ion Ratio Lower Upper
154 100
153 42.5 20.5 60.5
76 17.4 0.0 29.3



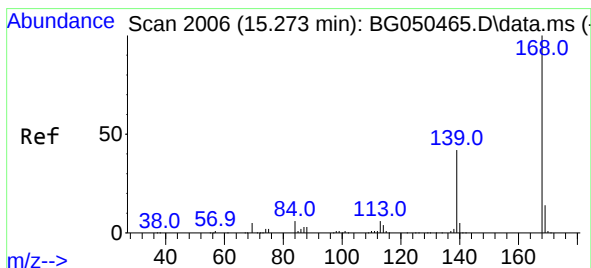
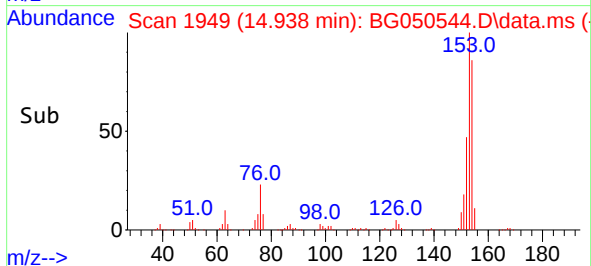
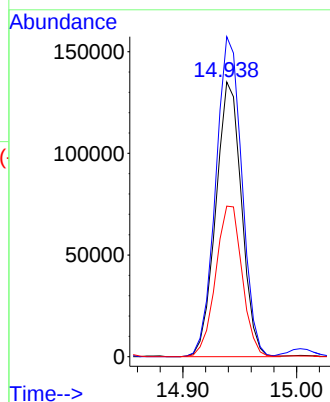


#52
Acenaphthene
Concen: 21.43 ng
RT: 14.938 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Instrument :
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ClientSampleId :
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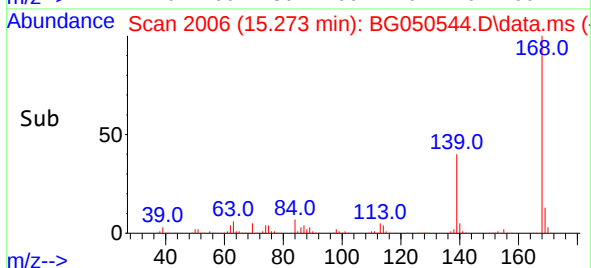
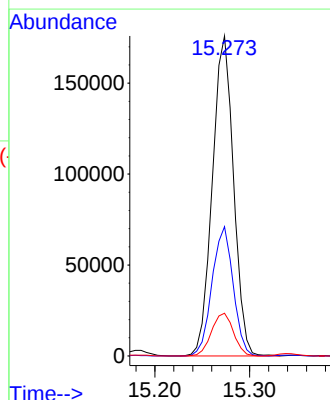
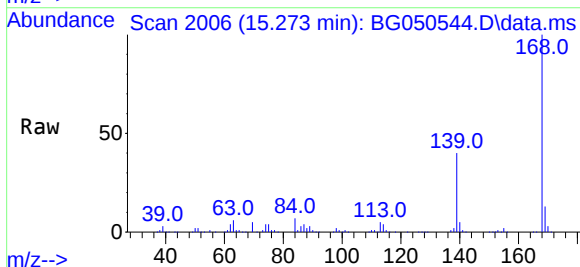


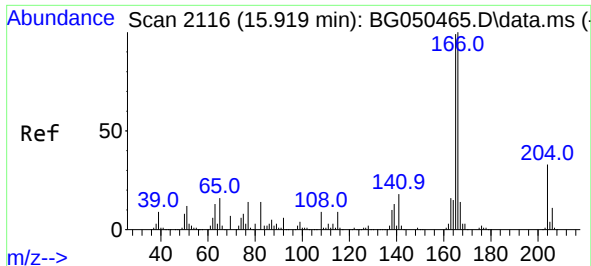
Tgt Ion:154 Resp: 212573
Ion Ratio Lower Upper
154 100
153 116.5 87.0 130.4
152 54.8 40.1 60.1



#55
Dibenzofuran
Concen: 17.77 ng
RT: 15.273 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:168 Resp: 272714
Ion Ratio Lower Upper
168 100
139 40.4 33.4 50.2
169 13.3 12.3 18.5

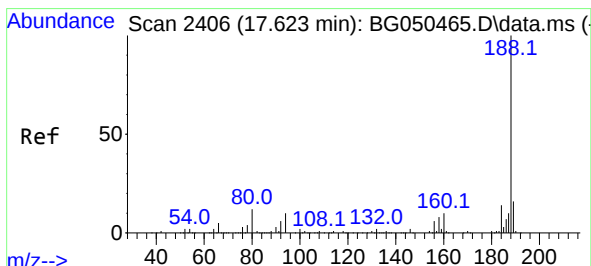
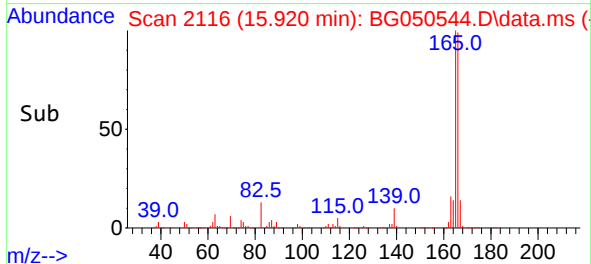
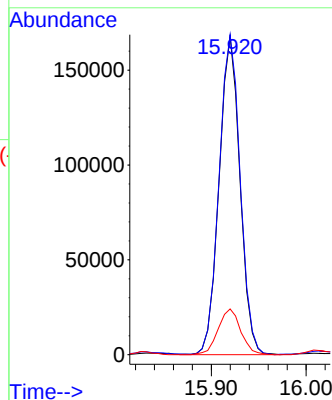
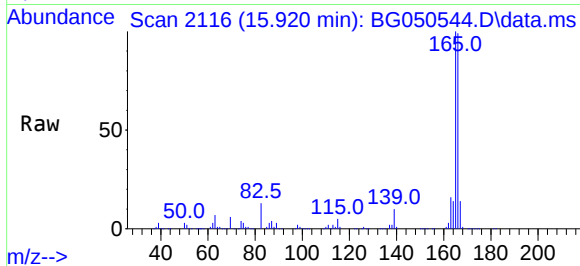




#58
Fluorene
Concen: 21.75 ng
RT: 15.920 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

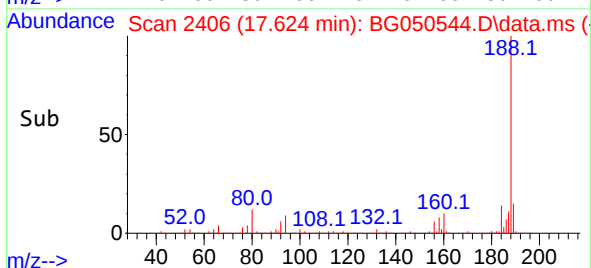
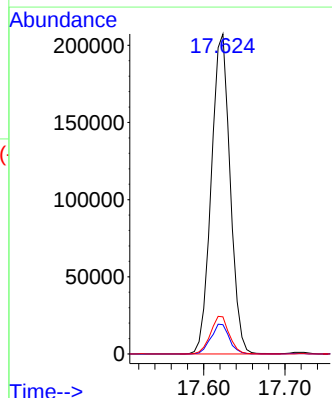
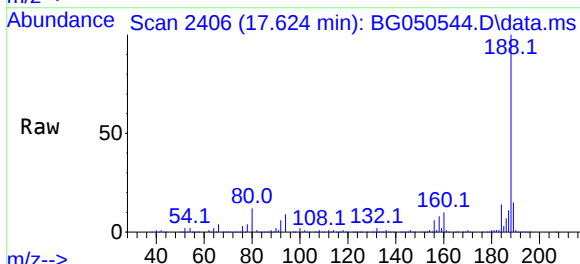
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

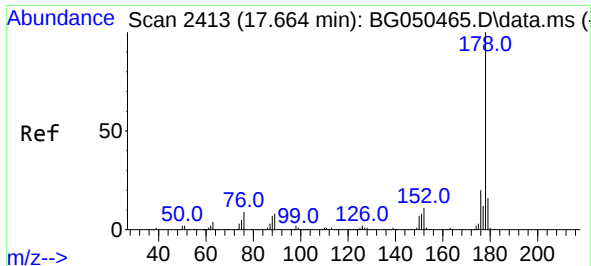
Tgt Ion:166 Resp: 256297
Ion Ratio Lower Upper
166 100
165 100.6 77.7 116.5
167 14.4 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.624 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:188 Resp: 333466
Ion Ratio Lower Upper
188 100
94 9.2 5.4 8.0#
80 11.6 3.7 5.5#

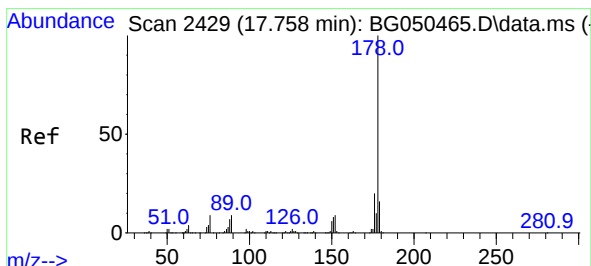
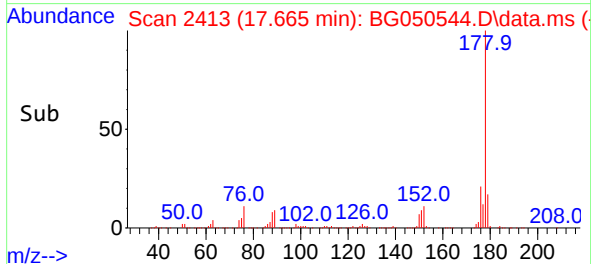
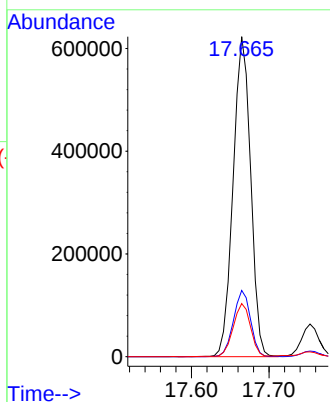
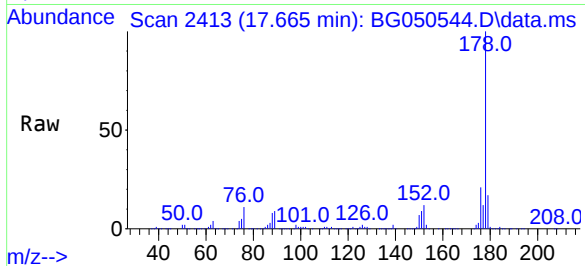




#71
Phenanthrene
Concen: 55.69 ng
RT: 17.665 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

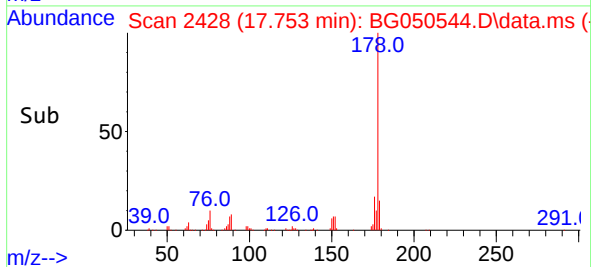
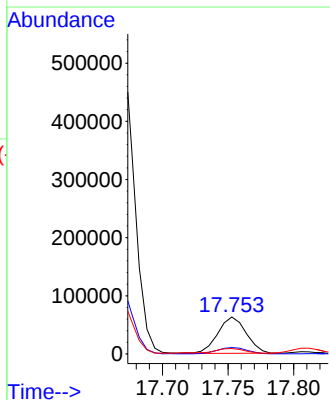
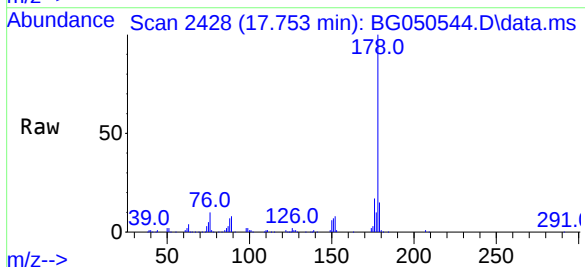
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

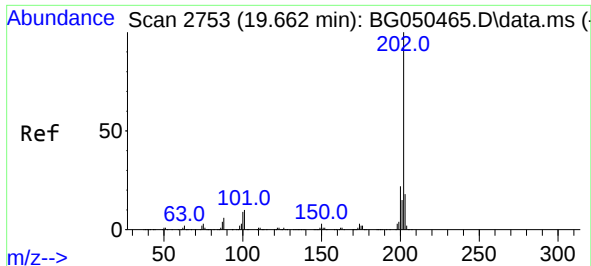
Tgt Ion:178 Resp: 978591
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 16.6 14.2 21.4



#72
Anthracene
Concen: 5.40 ng
RT: 17.753 min Scan# 2428
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:178 Resp: 94309
Ion Ratio Lower Upper
178 100
176 17.2 14.6 21.8
179 14.8 13.4 20.0

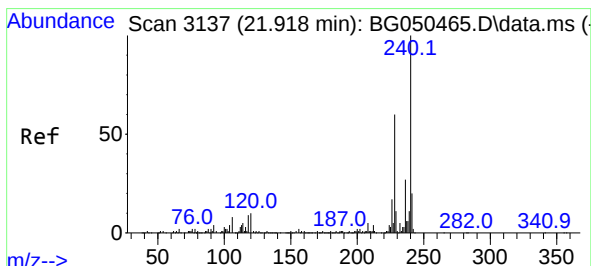
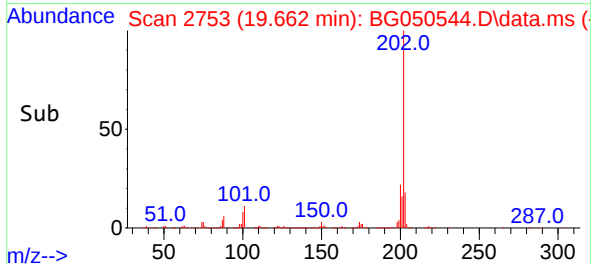
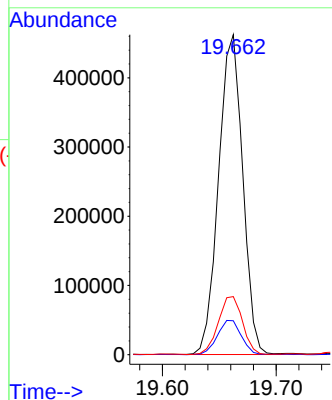
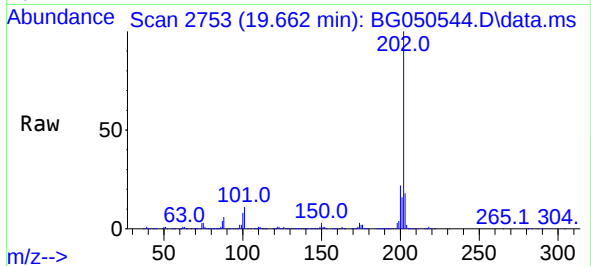




#75
Fluoranthene
Concen: 31.55 ng
RT: 19.662 min Scan# 2753
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

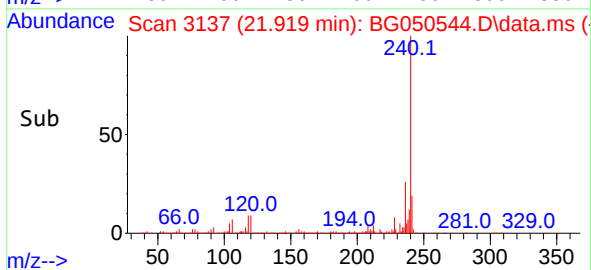
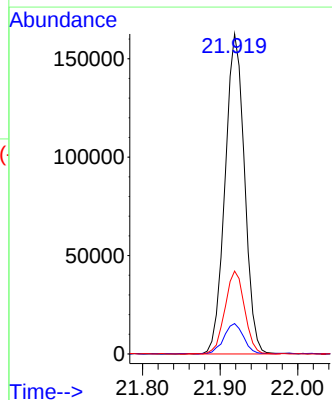
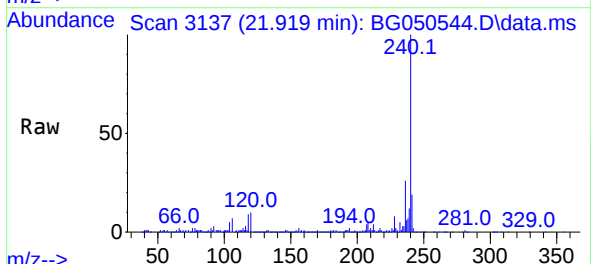
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

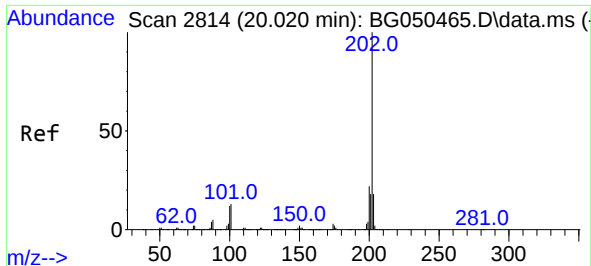
Tgt Ion:202 Resp: 681573
Ion Ratio Lower Upper
202 100
101 10.6 0.0 24.7
203 18.1 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.919 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:240 Resp: 283866
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 25.9 21.8 32.6

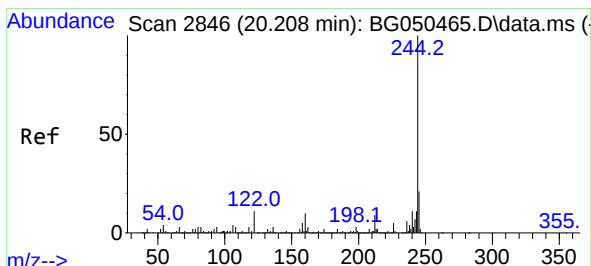
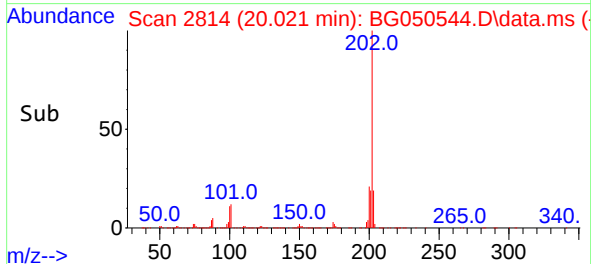
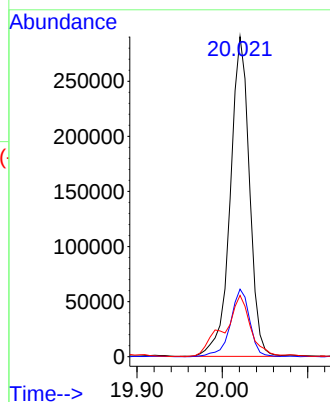
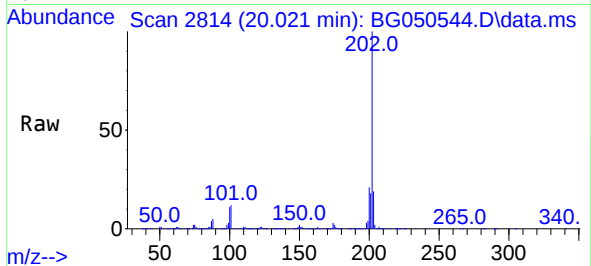




#78
Pyrene
Concen: 22.55 ng
RT: 20.021 min Scan# 2814
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

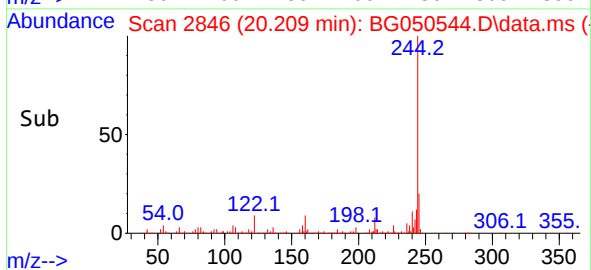
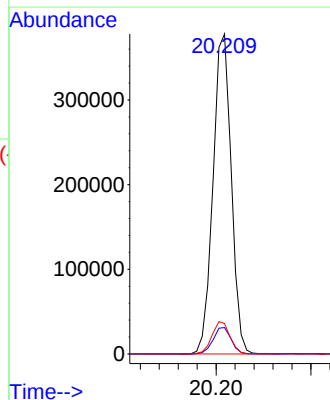
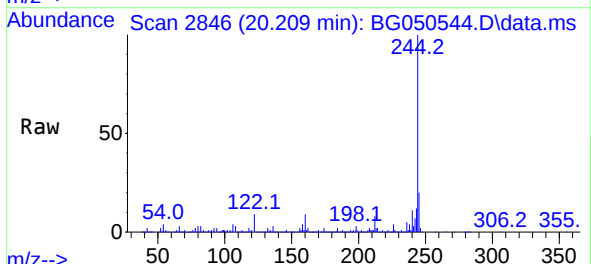
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

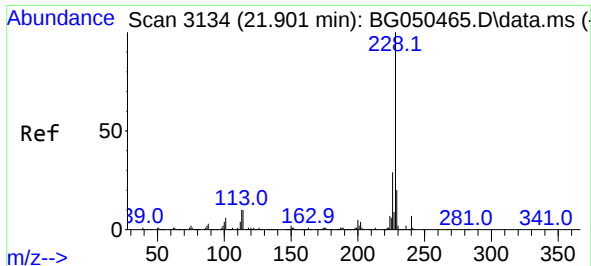
Tgt Ion:202 Resp: 454137
Ion Ratio Lower Upper
202 100
200 21.1 15.8 23.8
203 19.2 14.6 21.8



#79
Terphenyl-d14
Concen: 34.62 ng
RT: 20.209 min Scan# 2846
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:244 Resp: 504294
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 9.5 5.0 7.6#

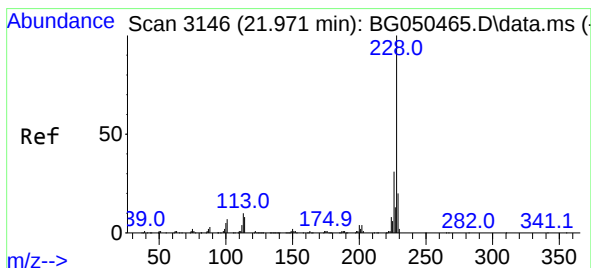
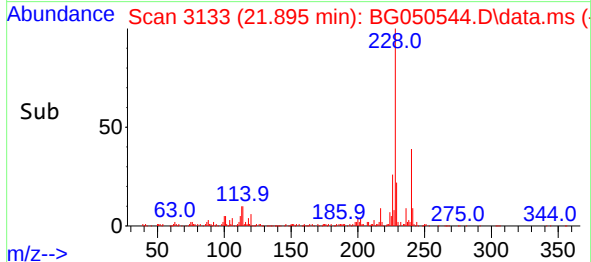
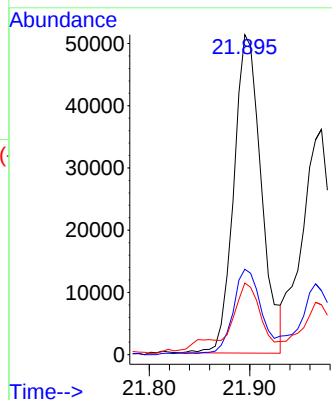
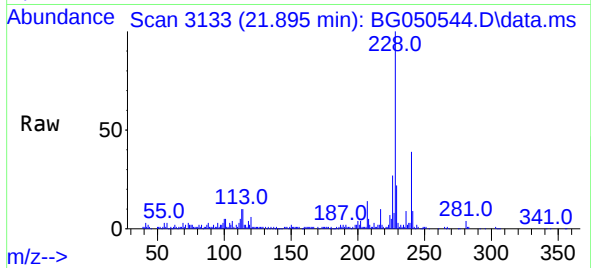




#81
Benzo(a)anthracene
Concen: 5.20 ng
RT: 21.895 min Scan# 3133
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

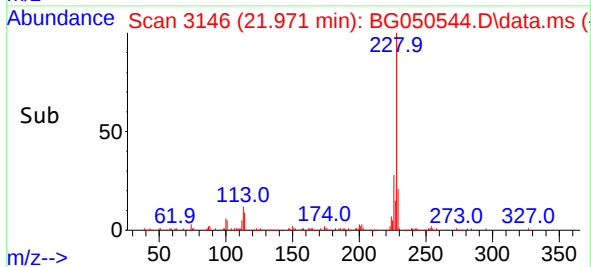
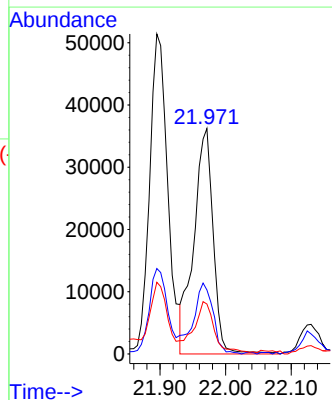
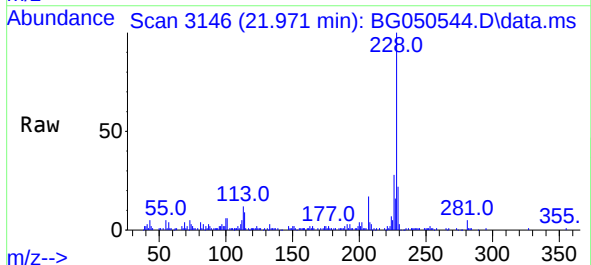
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

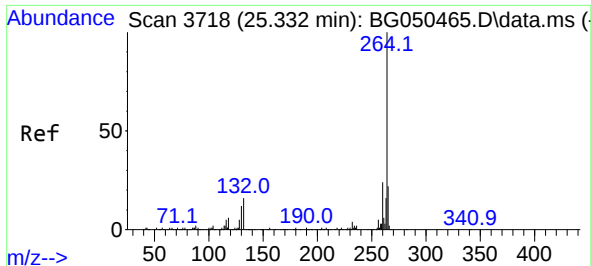
Tgt Ion:228 Resp: 97730
Ion Ratio Lower Upper
228 100
226 26.7 22.7 34.1
229 22.4 16.0 24.0



#83
Chrysene
Concen: 4.23 ng
RT: 21.971 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:228 Resp: 74785
Ion Ratio Lower Upper
228 100
226 28.4 23.1 34.7
229 22.1 15.3 22.9



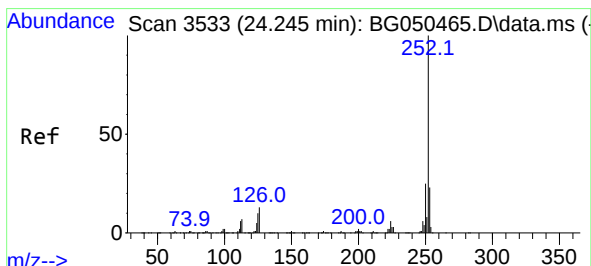
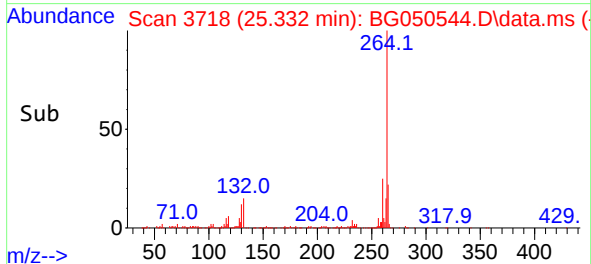
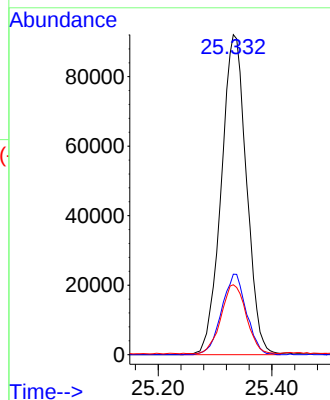
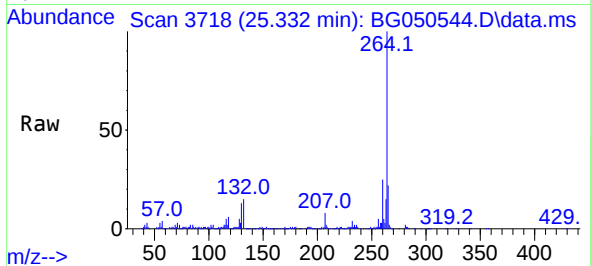


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.332 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Instrument :
BNA_G
ClientSampleId :
PSC124055DL

Tgt Ion:264 Resp: 283059

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	21.9	16.9	25.3



#88
Benzo(b)fluoranthene
Concen: 2.57 ng
RT: 24.239 min Scan# 3532
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion:252 Resp: 44558

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.2	24.4
125	13.5	3.0	4.4#

