

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101121\
 Data File : BG050544.D
 Acq On : 11 Oct 2021 20:52
 Operator : CG/JU
 Sample : M3136-01DL 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)

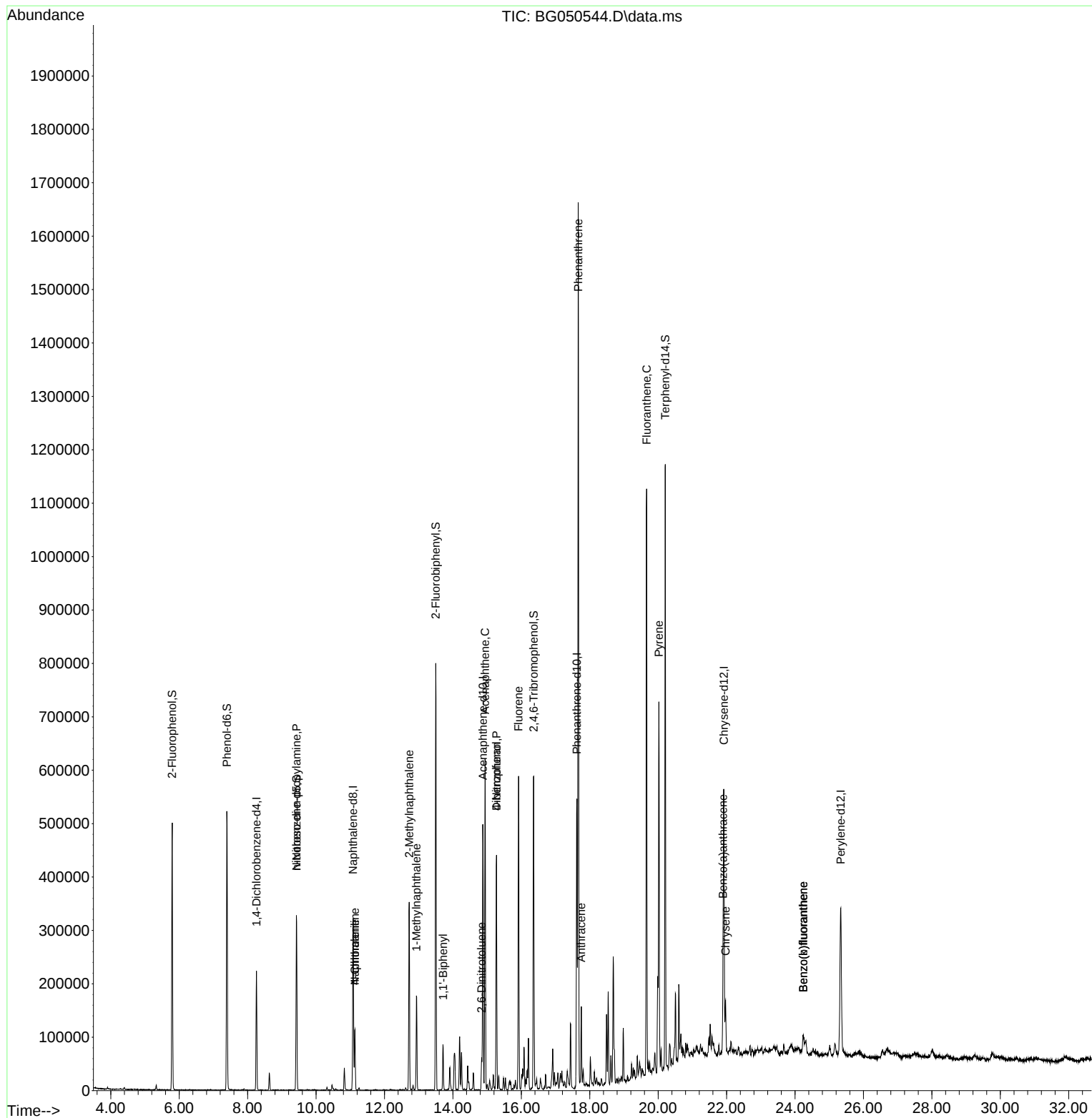
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	57300	20.000	ng	0.00
21) Naphthalene-d8	11.084	136	258190	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	168229	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	333466	20.000	ng	# 0.00
76) Chrysene-d12	21.919	240	283866	20.000	ng	# 0.00
86) Perylene-d12	25.332	264	283059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	206776	53.969	ng	0.00
7) Phenol-d6	7.394	99	291840	52.610	ng	0.00
23) Nitrobenzene-d5	9.427	82	209655	33.614	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	73176	45.604	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	389275	34.826	ng	0.00
79) Terphenyl-d14	20.209	244	504294	34.621	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.400	77	452	Below Cal	#	35
19) n-Nitroso-di-n-propyla...	9.427	70	29845	7.382	ng	# 64
31) Naphthalene	11.137	128	93845	6.790	ng	98
33) 4-Chloroaniline	11.137	127	12626	2.177	ng	# 34
37) 2-Methylnaphthalene	12.723	142	160385	16.820	ng	93
38) 1-Methylnaphthalene	12.935	142	78348	8.473	ng	94
46) 1,1'-Biphenyl	13.711	154	43190	3.520	ng	93
51) 2,6-Dinitrotoluene	14.839	165	5678	2.229	ng	# 34
52) Acenaphthene	14.938	154	212573	21.427	ng	93
55) Dibenzofuran	15.273	168	272714	17.774	ng	97
56) 4-Nitrophenol	15.273	139	109974	45.380	ng	# 1
58) Fluorene	15.920	166	256297	21.747	ng	97
71) Phenanthrene	17.665	178	978591	55.689	ng	98
72) Anthracene	17.753	178	94309	5.401	ng	97
75) Fluoranthene	19.662	202	681573	31.553	ng	96
78) Pyrene	20.021	202	454137	22.549	ng	97
81) Benzo(a)anthracene	21.895	228	97730	5.203	ng	96
83) Chrysene	21.971	228	74785	4.233	ng	97
88) Benzo(b)fluoranthene	24.239	252	44558	2.570	ng	# 92
89) Benzo(k)fluoranthene	24.239	252	44558	2.613	ng	# 95

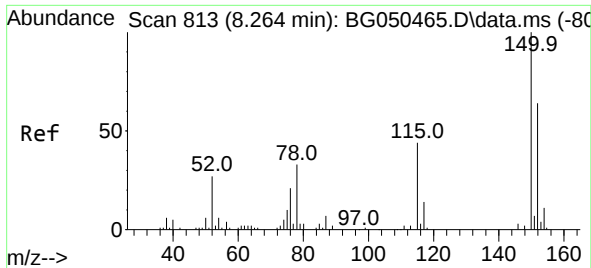
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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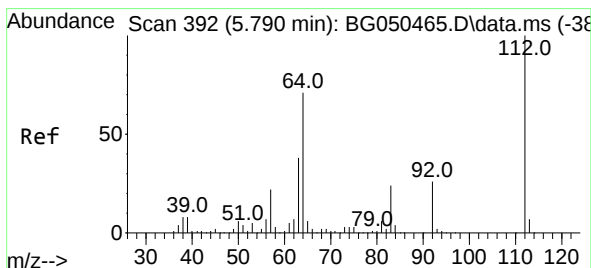
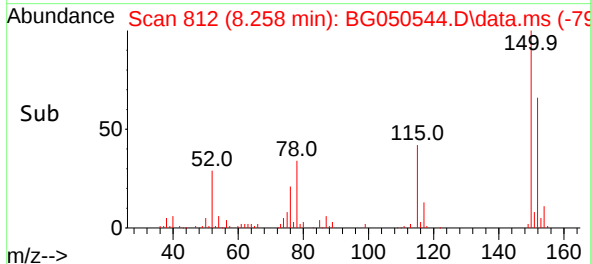
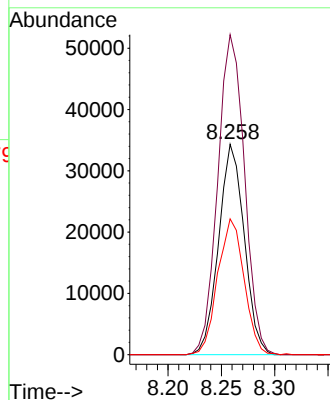
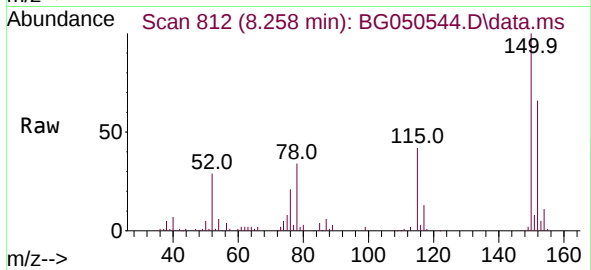




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 812
Delta R.T. -0.006 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

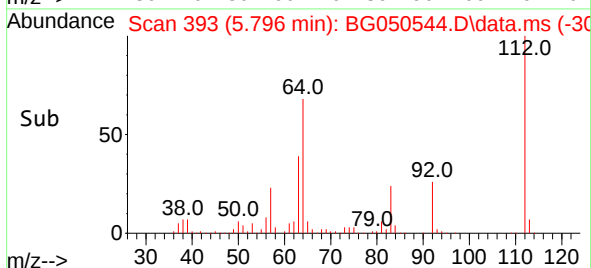
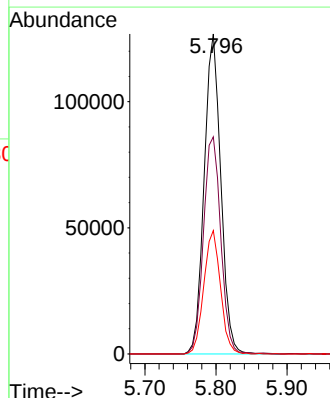
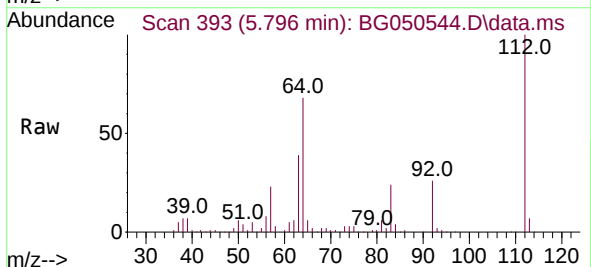
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

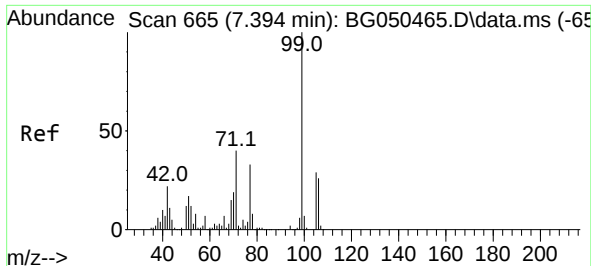
Tgt Ion:152 Resp: 57300
Ion Ratio Lower Upper
152 100
150 152.1 119.4 179.0
115 64.6 60.2 90.4



#5
2-Fluorophenol
Concen: 53.969 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

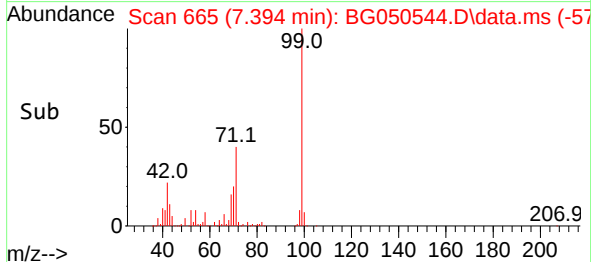
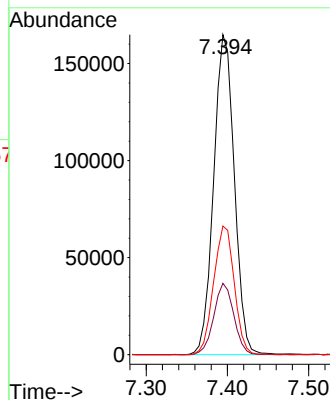
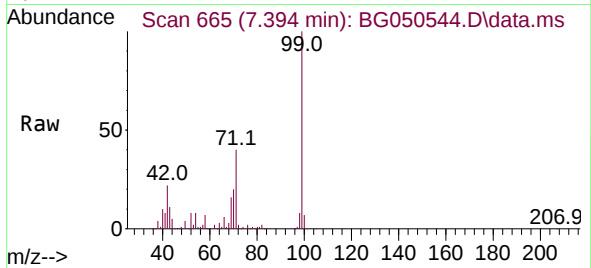




#7
Phenol-d6
Concen: 52.610 ng
RT: 7.394 min Scan# 665
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

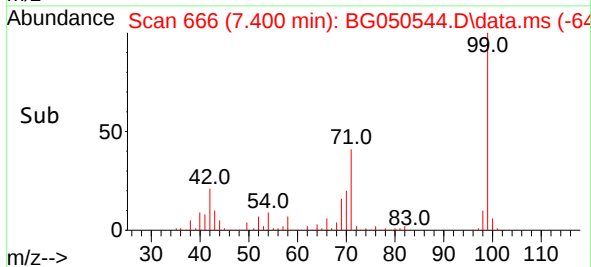
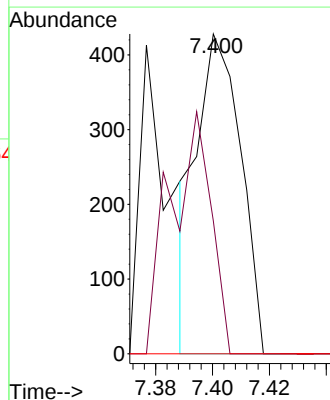
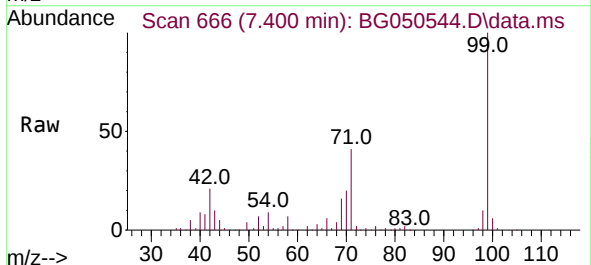
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

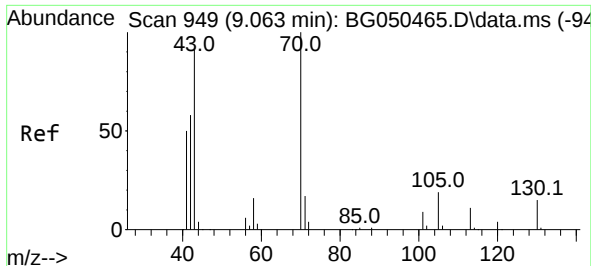
Tgt Ion: 99 Resp: 291840
Ion Ratio Lower Upper
99 100
42 22.3 20.5 30.7
71 40.2 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.400 min Scan# 666
Delta R.T. 0.006 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Tgt Ion: 77 Resp: 452
Ion Ratio Lower Upper
77 100
105 41.6 68.8 108.8#
106 0.0 47.9 87.9#

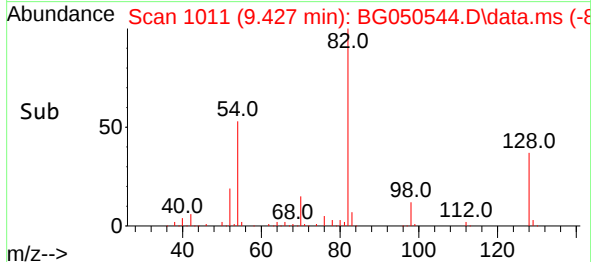
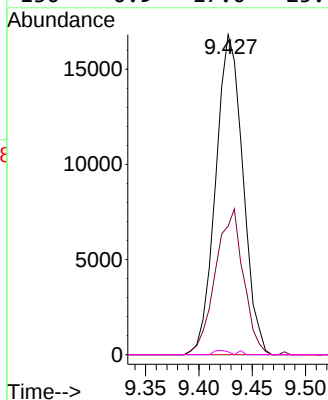
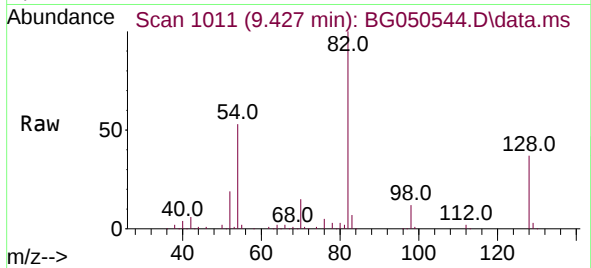




#19
n-Nitroso-di-n-propylamine
Concen: 7.382 ng
RT: 9.427 min Scan# 1011
Delta R.T. 0.365 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

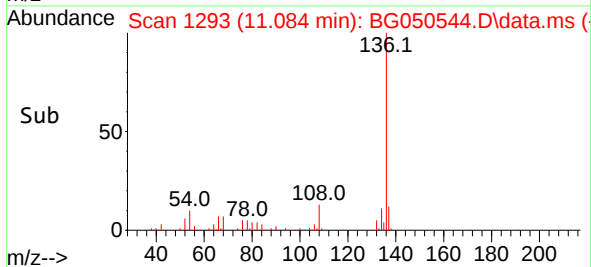
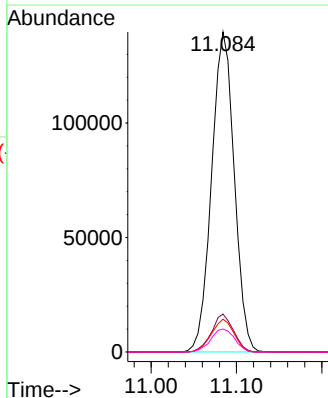
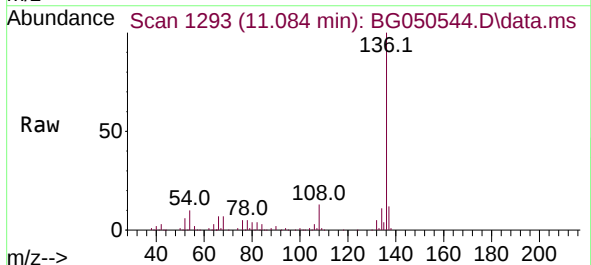
Instrument :
BNA_G
ClientSampleID :
PSC124055DL

Tgt Ion:	70	Resp:	29845
Ion	Ratio	Lower	Upper
70	100		
42	40.1	54.5	81.7#
101	0.0	9.0	13.6#
130	0.9	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 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#

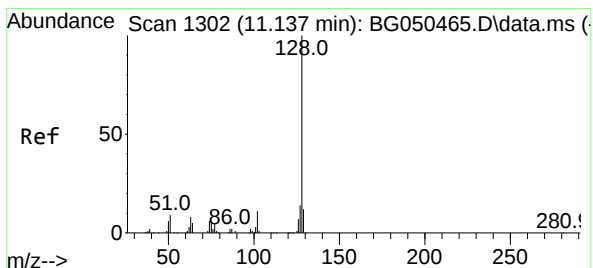
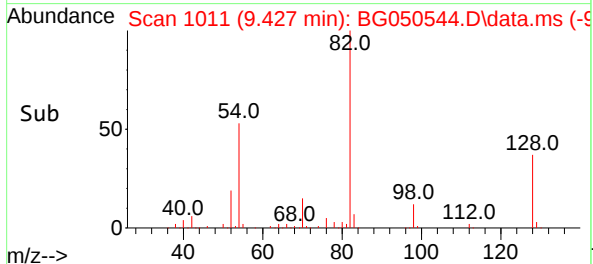
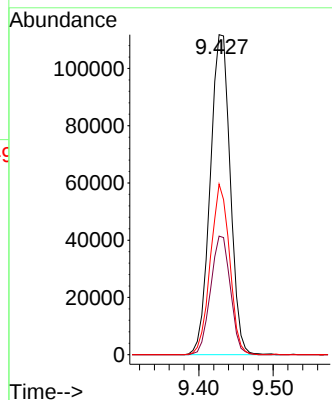
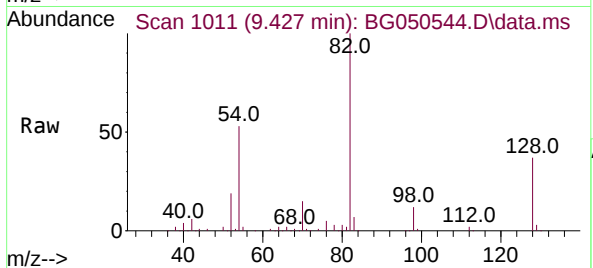




#23
Nitrobenzene-d5
Concen: 33.614 ng
RT: 9.427 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

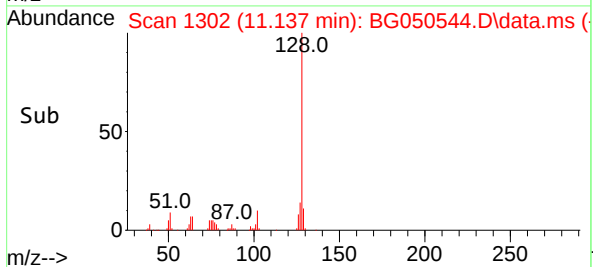
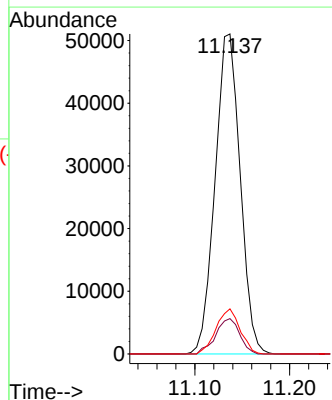
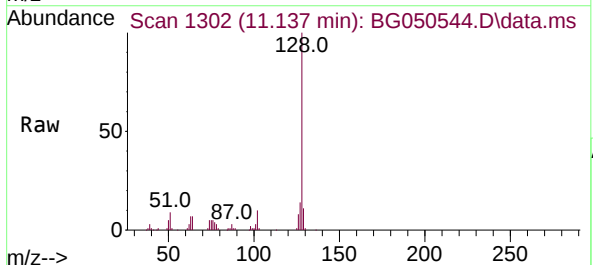
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

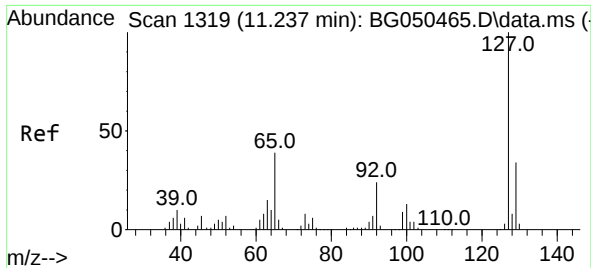
Tgt Ion: 82 Resp: 209655
Ion Ratio Lower Upper
82 100
128 37.1 29.8 44.6
54 53.3 45.8 68.8



#31
Naphthalene
Concen: 6.790 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

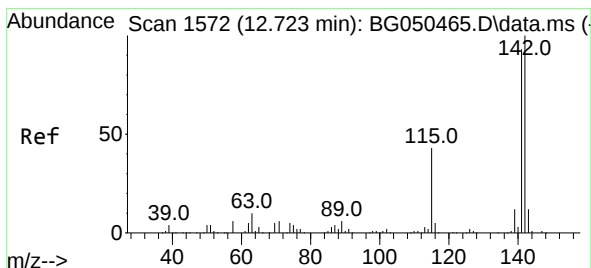
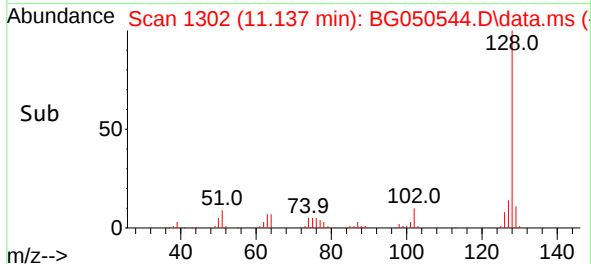
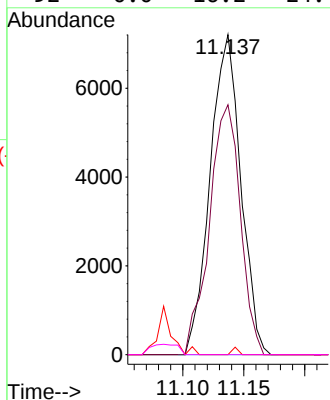
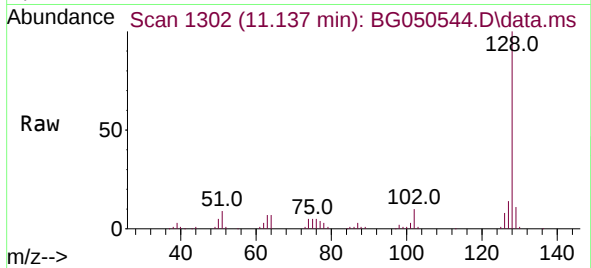




#33
4-Chloroaniline
Concen: 2.177 ng
RT: 11.137 min Scan# 1302
Delta R.T. -0.099 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

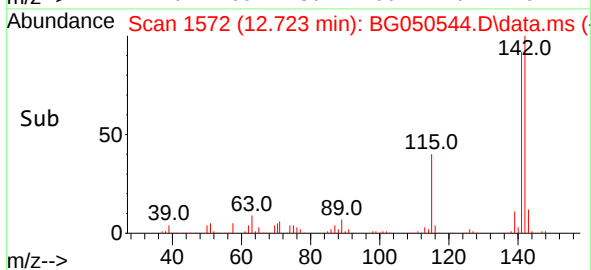
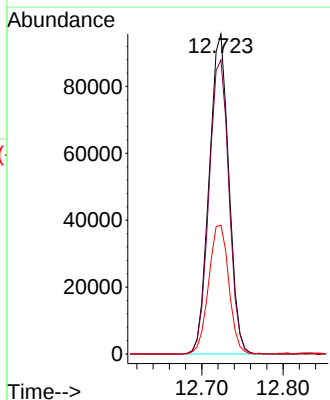
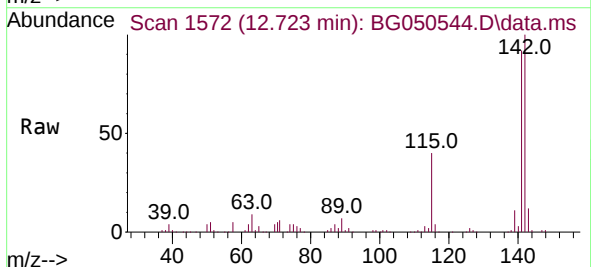
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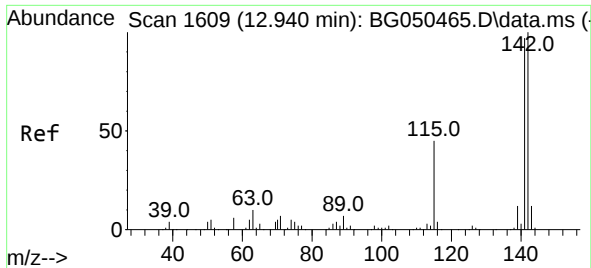
Tgt Ion:	127	Resp:	12626
Ion Ratio	Lower	Upper	
127	100		
129	78.1	26.7	40.1#
65	0.0	32.8	49.2#
92	0.0	16.2	24.4#



#37
2-Methylnaphthalene
Concen: 16.820 ng
RT: 12.723 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

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

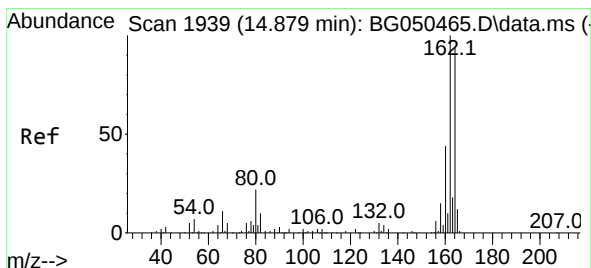
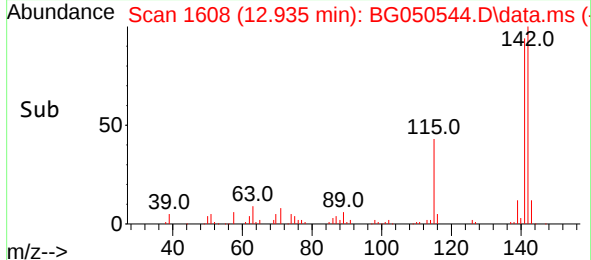
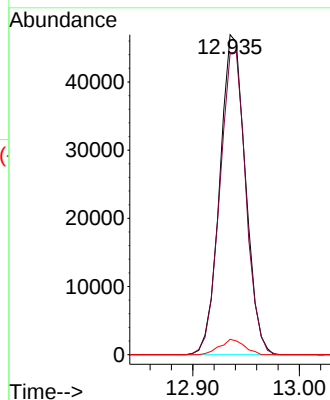
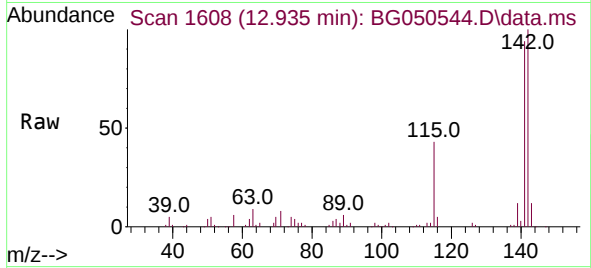




#38
1-Methylnaphthalene
Concen: 8.473 ng
RT: 12.935 min Scan# 1608
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

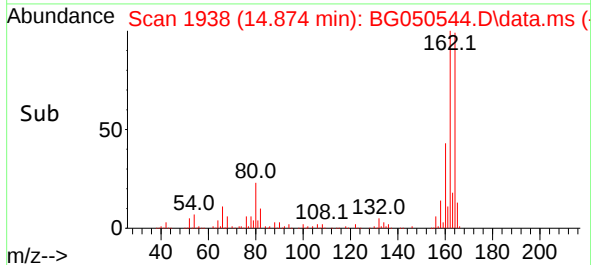
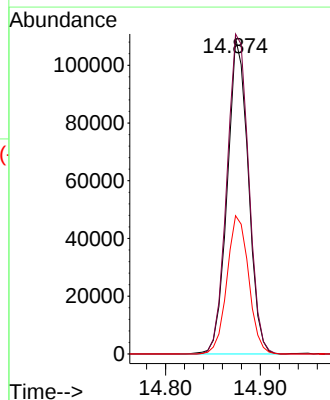
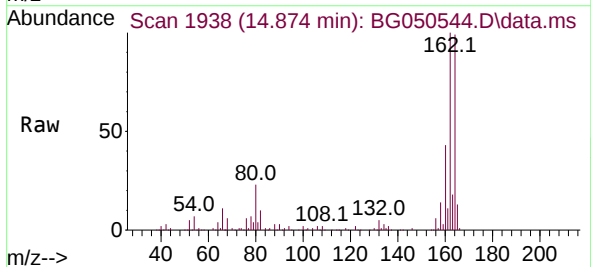
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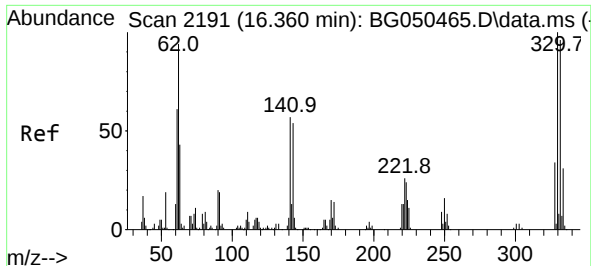
Tgt Ion:142 Resp: 78348
Ion Ratio Lower Upper
142 100
141 94.2 70.6 106.0
116 4.8 4.0 6.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

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

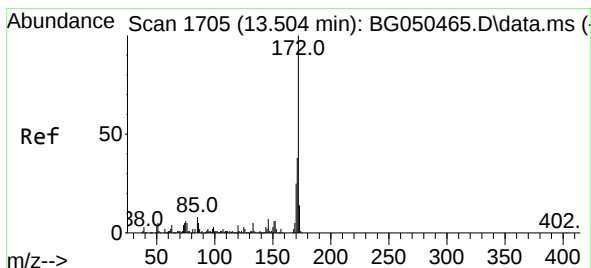
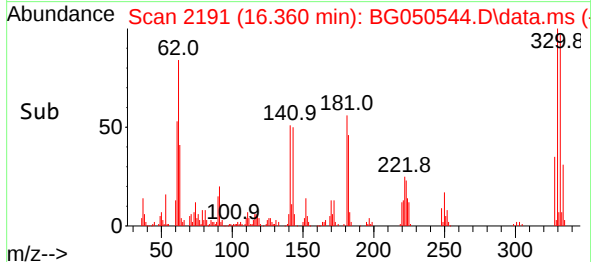
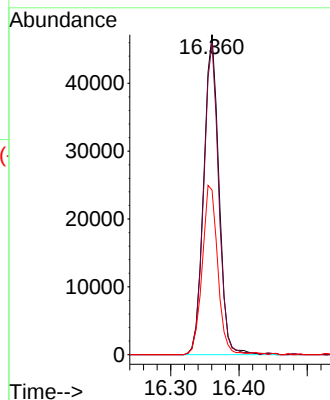
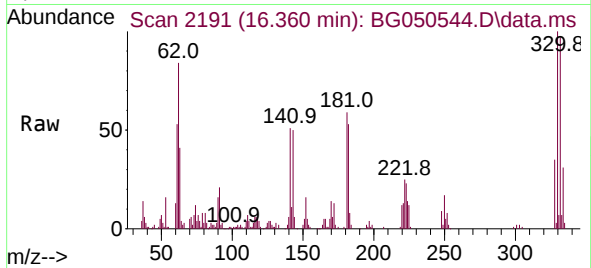




#42
2,4,6-Tribromophenol
Concen: 45.604 ng
RT: 16.360 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

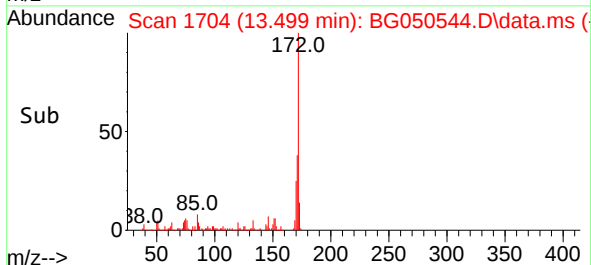
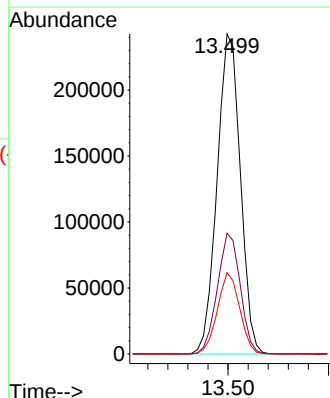
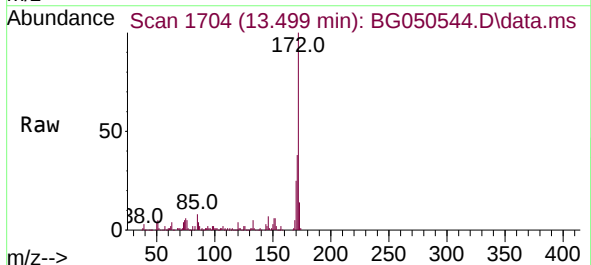
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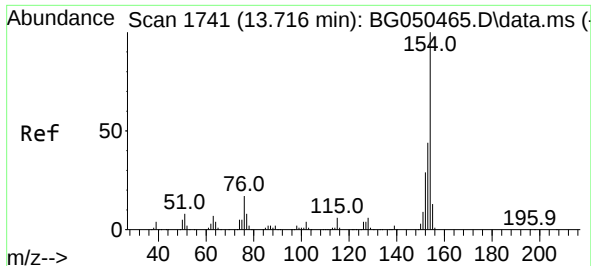
Tgt Ion:330 Resp: 73176
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 53.5 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 34.826 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

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

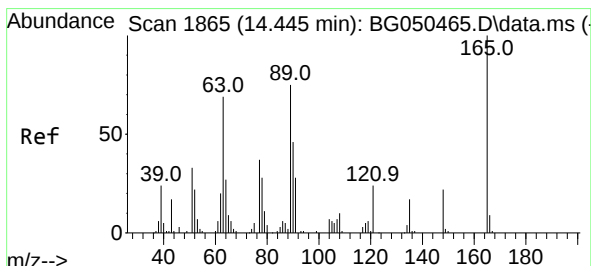
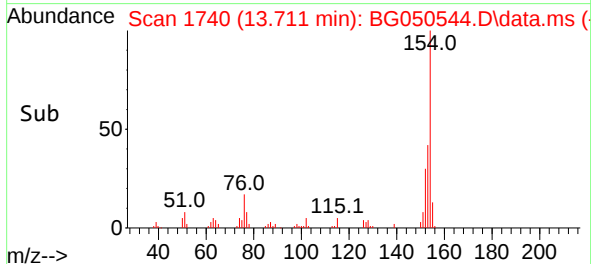
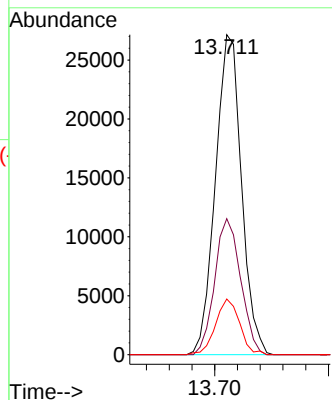
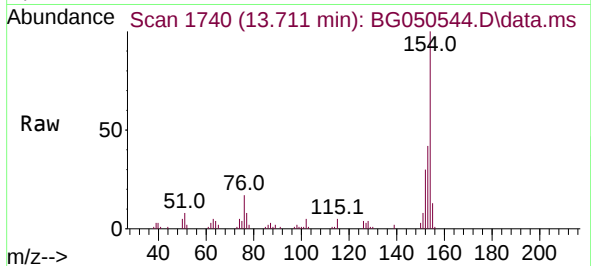




#46
1,1'-Biphenyl
Concen: 3.520 ng
RT: 13.711 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

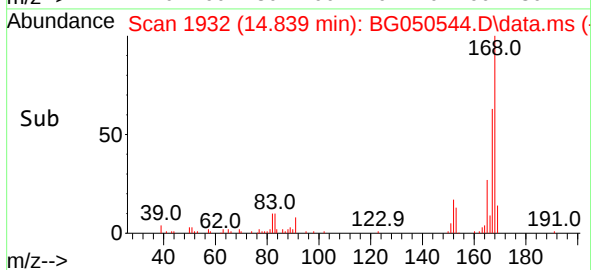
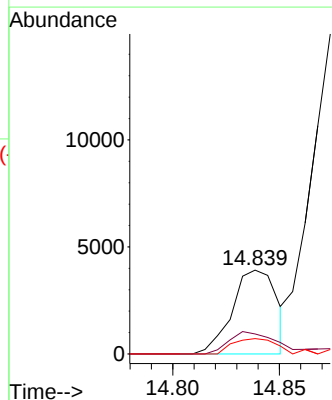
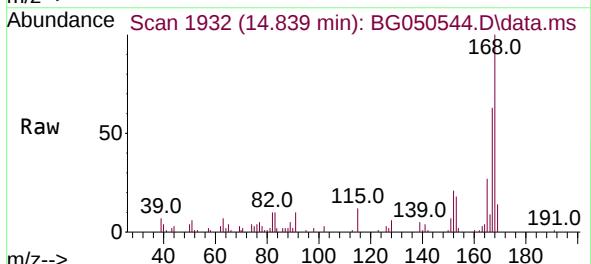
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

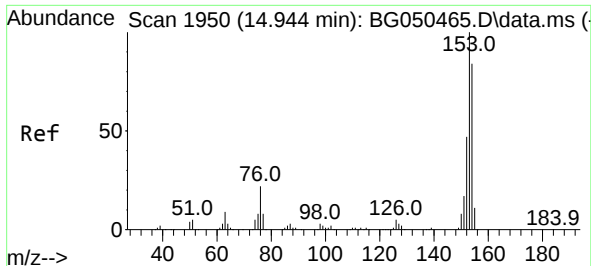
Tgt Ion:154	Resp:	43190
Ion Ratio	Lower	Upper
154	100	
153	42.5	20.5 60.5
76	17.4	0.0 29.3



#51
2,6-Dinitrotoluene
Concen: 2.229 ng
RT: 14.839 min Scan# 1932
Delta R.T. 0.394 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

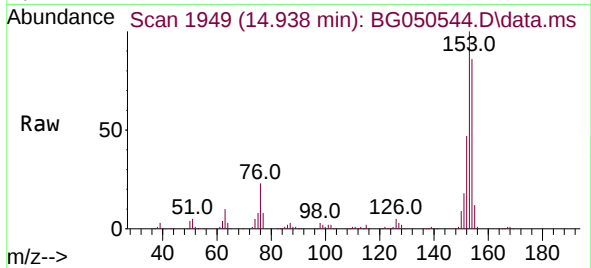
Tgt Ion:165	Resp:	5678
Ion Ratio	Lower	Upper
165	100	
63	23.8	63.3 94.9#
89	18.3	63.4 95.0#



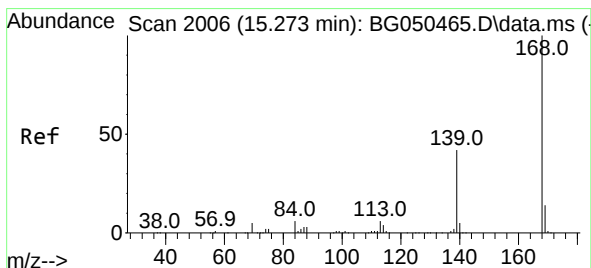
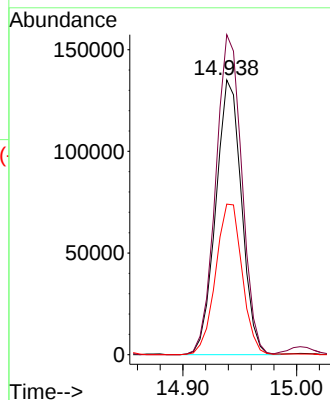
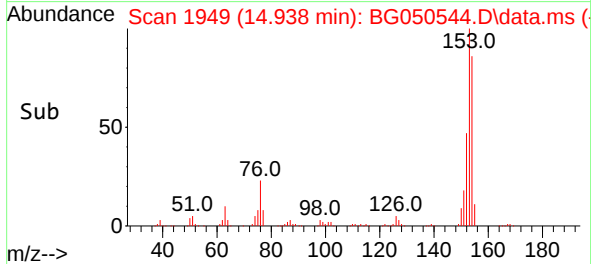


#52
Acenaphthene
Concen: 21.427 ng
RT: 14.938 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

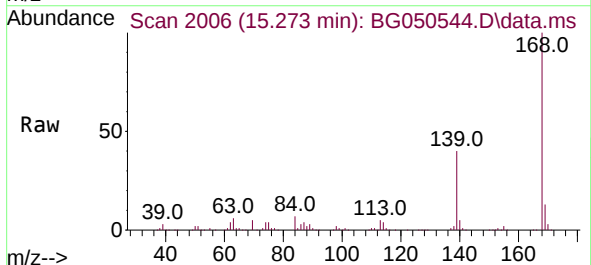
Instrument :
BNA_G
ClientSampleId :
PSC124055DL



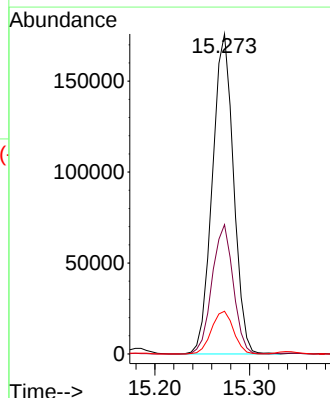
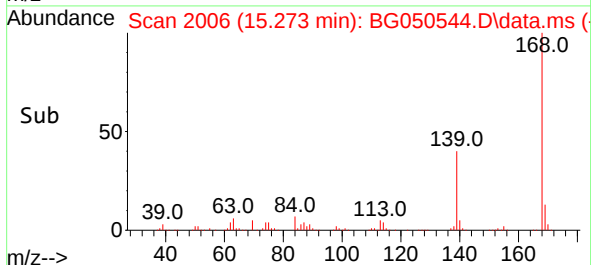
Tgt Ion:154 Resp: 212573
Ion Ratio Lower Upper
154 100
153 116.5 87.0 130.4
152 54.8 40.1 60.1

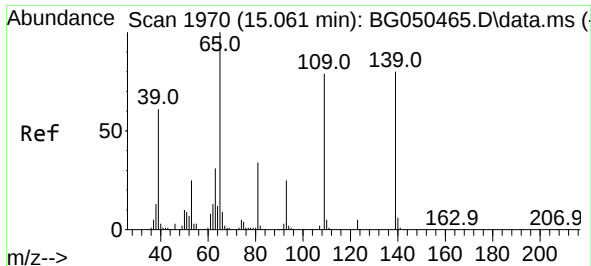


#55
Dibenzofuran
Concen: 17.774 ng
RT: 15.273 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52



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

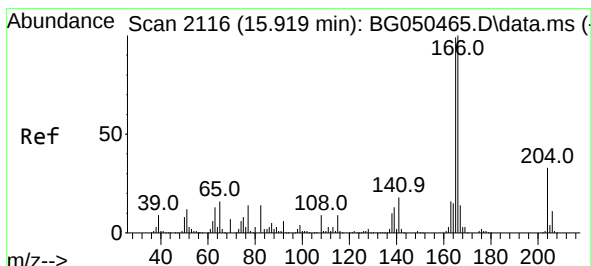
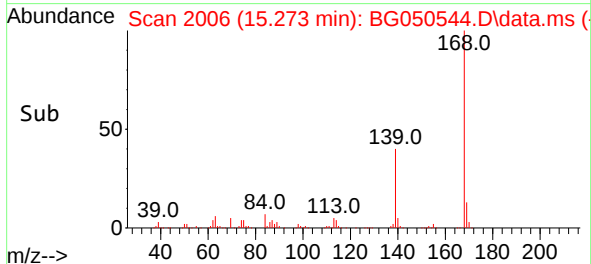
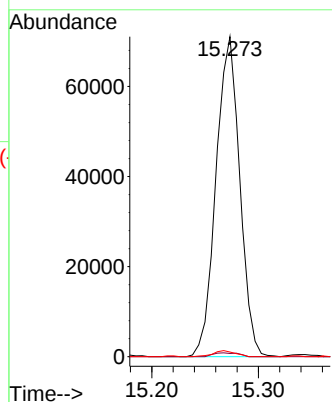
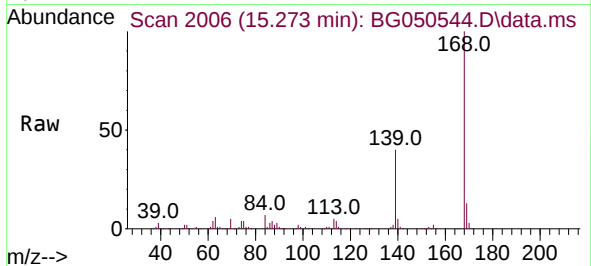




#56
4-Nitrophenol
Concen: 45.380 ng
RT: 15.273 min Scan# 2006
Delta R.T. 0.212 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

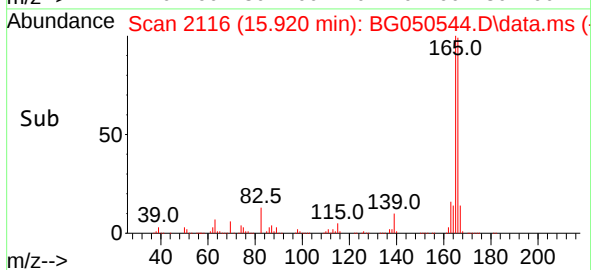
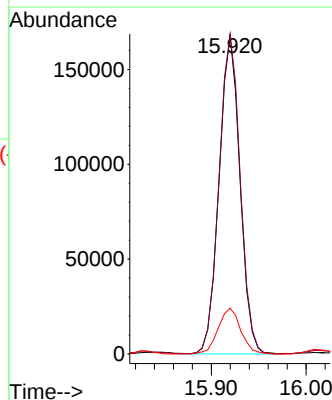
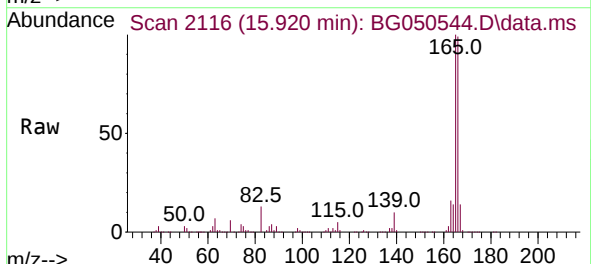
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

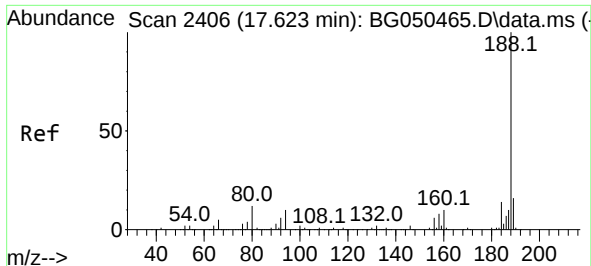
Tgt Ion:139 Resp: 109974
Ion Ratio Lower Upper
139 100
109 1.0 116.3 156.3#
65 1.4 105.0 145.0#



#58
Fluorene
Concen: 21.747 ng
RT: 15.920 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

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

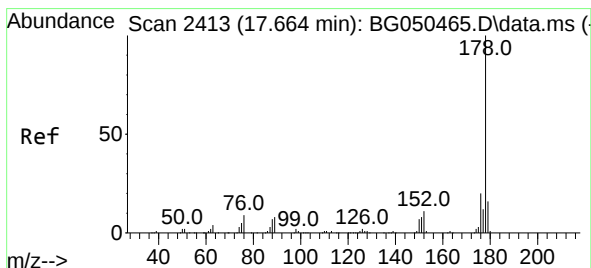
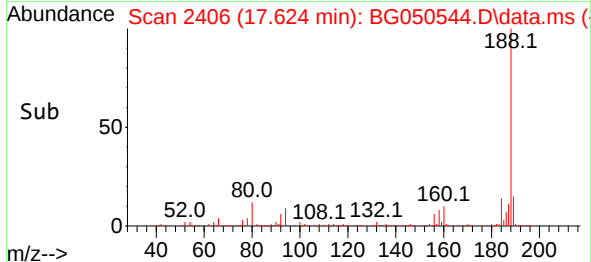
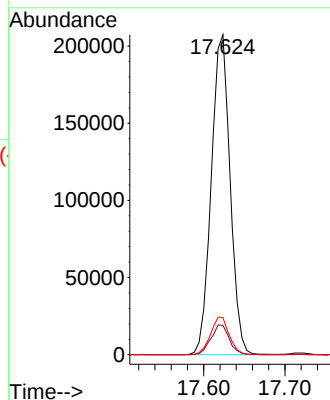
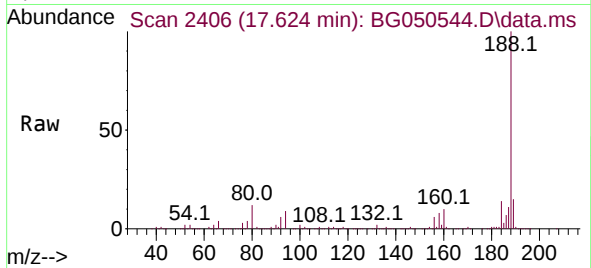




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

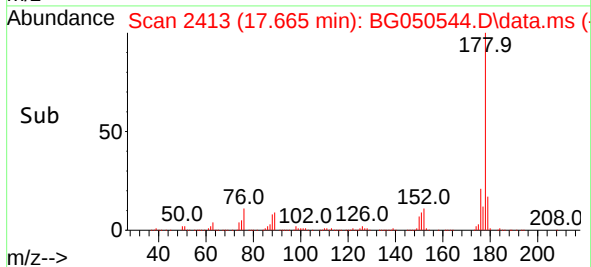
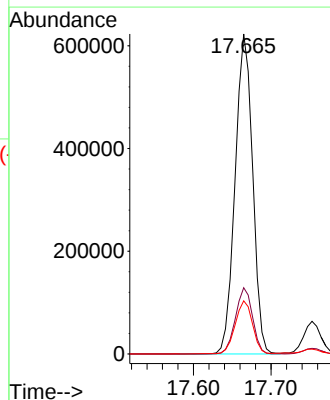
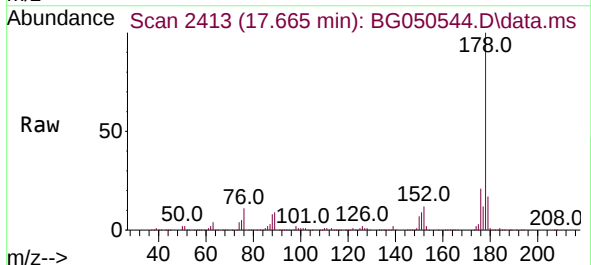
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

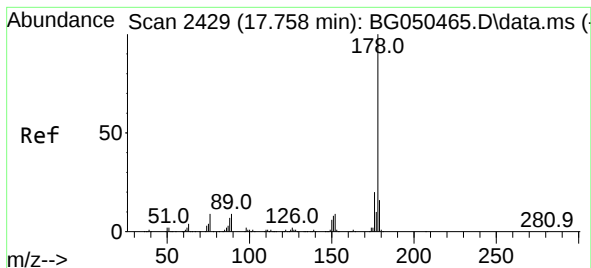
Tgt Ion:188 Resp: 333466
Ion Ratio Lower Upper
188 100
94 9.2 5.4 8.0#
80 11.6 3.7 5.5#



#71
Phenanthrene
Concen: 55.689 ng
RT: 17.665 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

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

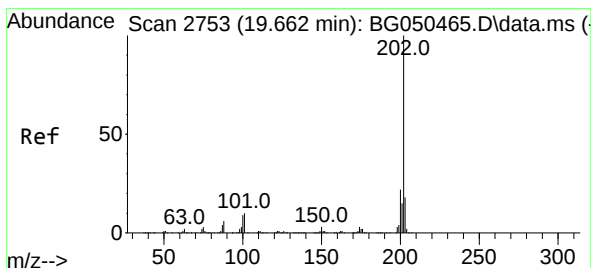
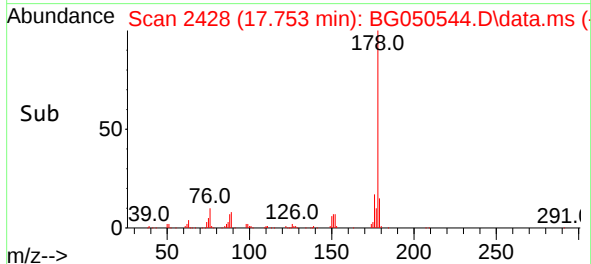
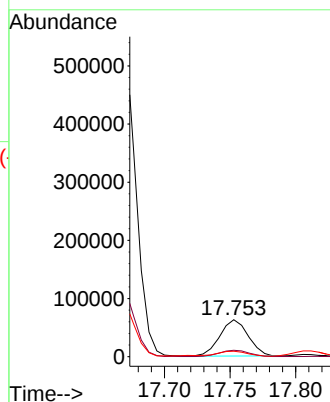
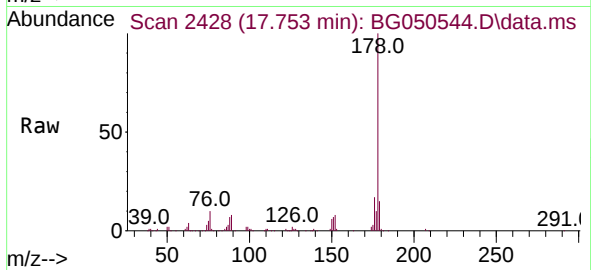




#72
 Anthracene
 Concen: 5.401 ng
 RT: 17.753 min Scan# 2428
 Delta R.T. -0.005 min
 Lab File: BG050544.D
 Acq: 11 Oct 2021 20:52

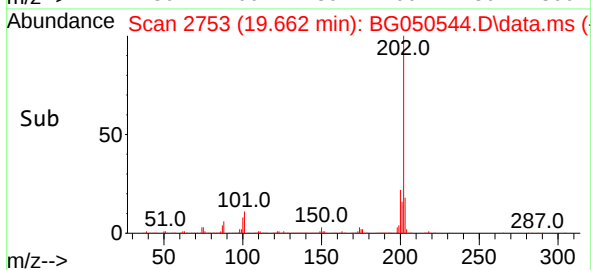
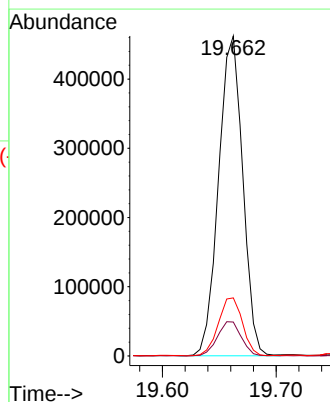
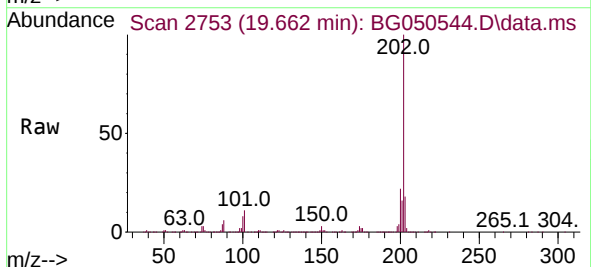
Instrument :
 BNA_G
 ClientSampleId :
 PSC124055DL

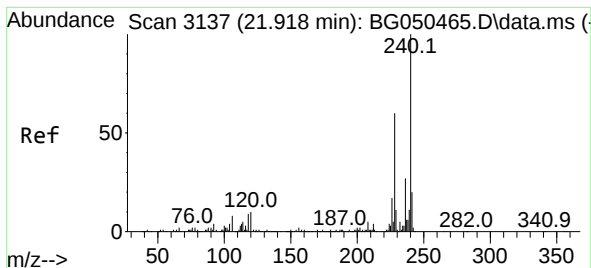
Tgt Ion:178 Resp: 94309
 Ion Ratio Lower Upper
 178 100
 176 17.2 14.6 21.8
 179 14.8 13.4 20.0



#75
 Fluoranthene
 Concen: 31.553 ng
 RT: 19.662 min Scan# 2753
 Delta R.T. 0.000 min
 Lab File: BG050544.D
 Acq: 11 Oct 2021 20:52

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

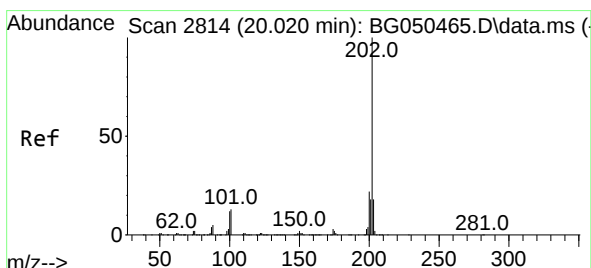
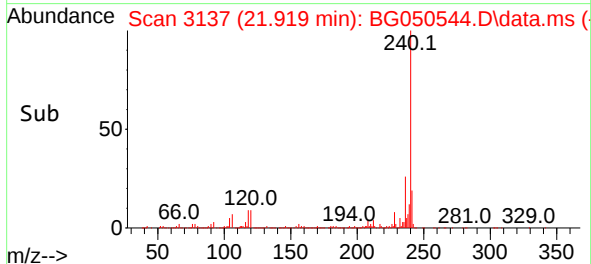
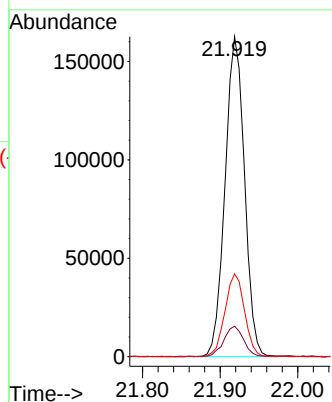
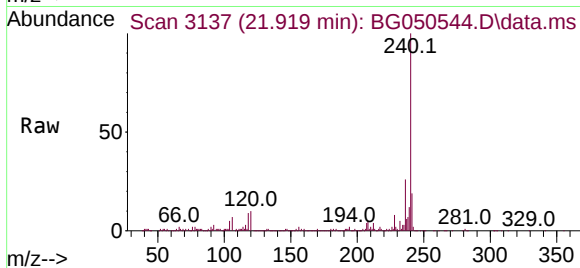




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

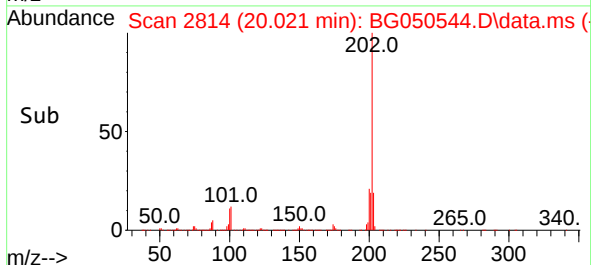
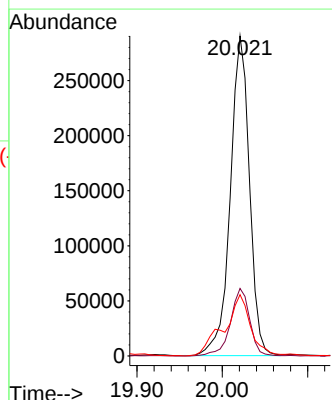
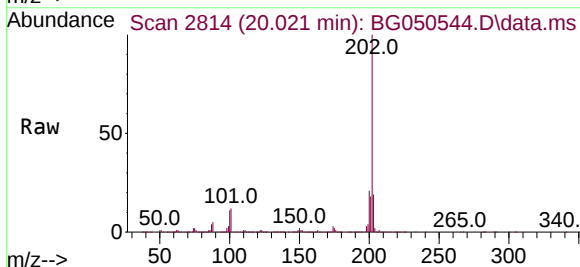
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

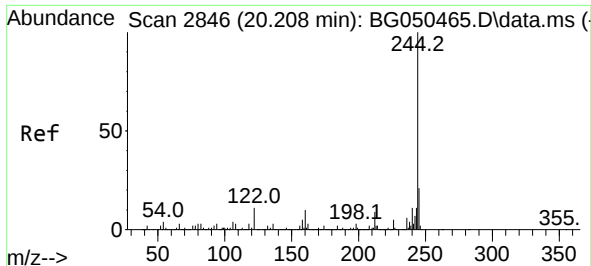
Tgt Ion:240 Resp: 283866
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 25.9 21.8 32.6



#78
Pyrene
Concen: 22.549 ng
RT: 20.021 min Scan# 2814
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

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

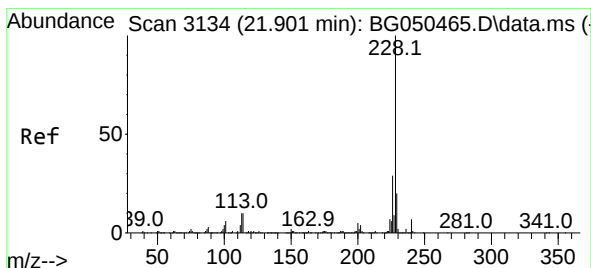
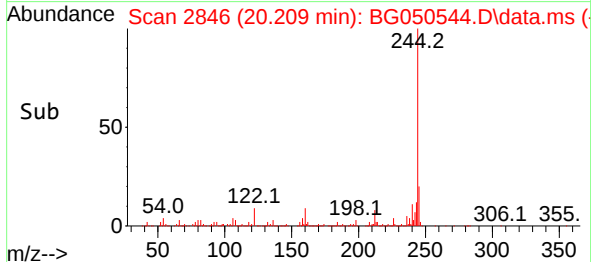
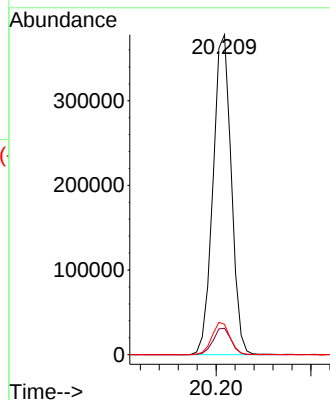
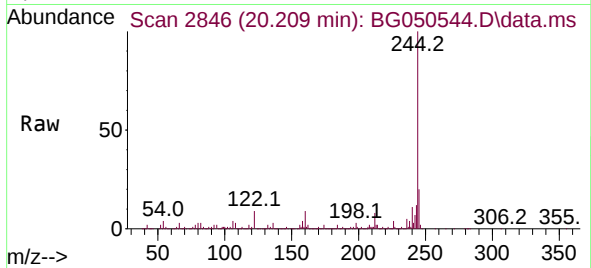




#79
 Terphenyl-d14
 Concen: 34.621 ng
 RT: 20.209 min Scan# 2846
 Delta R.T. 0.000 min
 Lab File: BG050544.D
 Acq: 11 Oct 2021 20:52

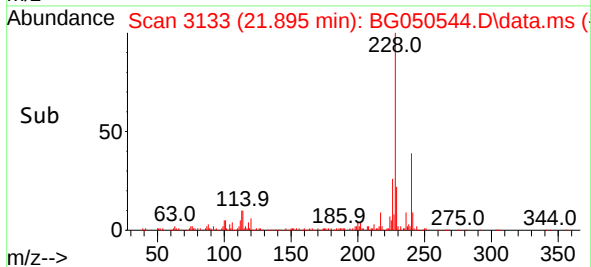
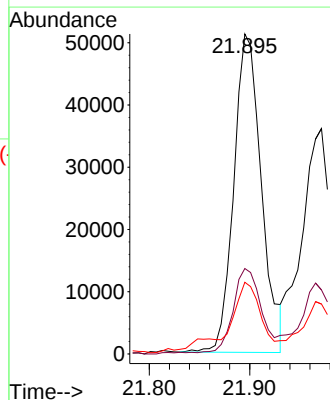
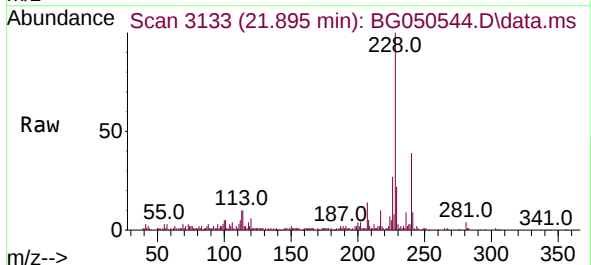
Instrument :
 BNA_G
 ClientSampleId :
 PSC124055DL

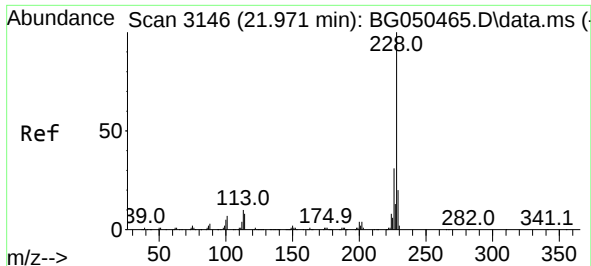
Tgt Ion:244 Resp: 504294
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.9 10.3
 122 9.5 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 5.203 ng
 RT: 21.895 min Scan# 3133
 Delta R.T. -0.005 min
 Lab File: BG050544.D
 Acq: 11 Oct 2021 20:52

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

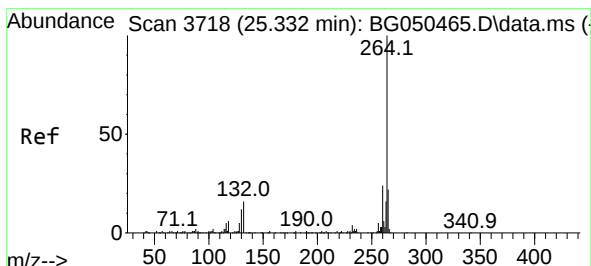
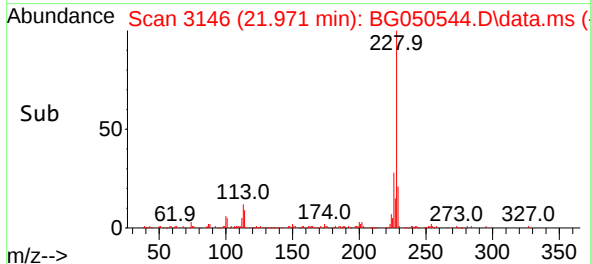
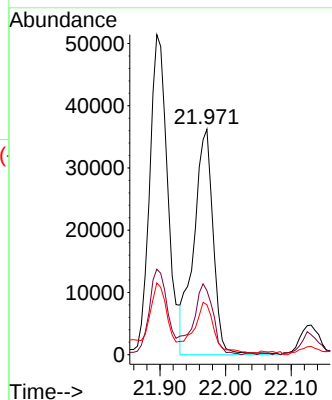
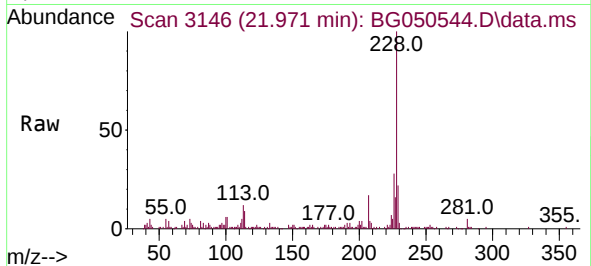




#83
Chrysene
Concen: 4.233 ng
RT: 21.971 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

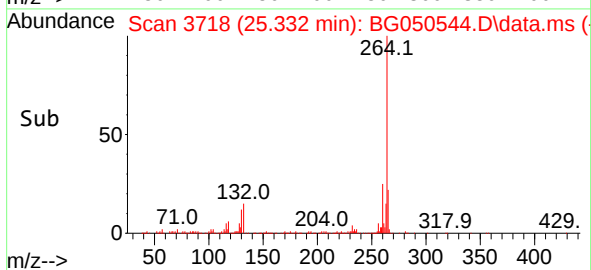
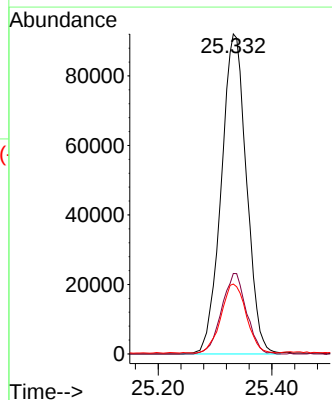
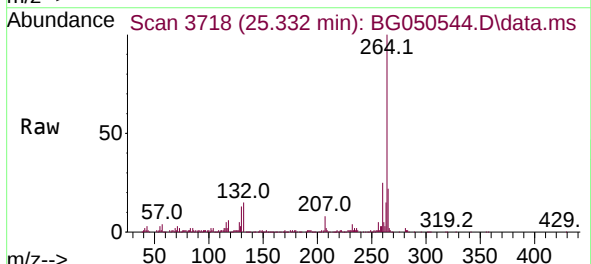
Instrument :
BNA_G
ClientSampleId :
PSC124055DL

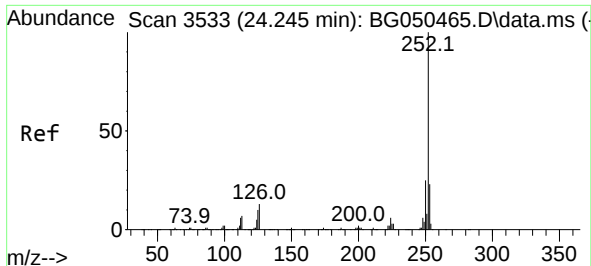
Tgt Ion:228 Resp: 74785
Ion Ratio Lower Upper
228 100
226 28.4 23.1 34.7
229 22.1 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.332 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

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

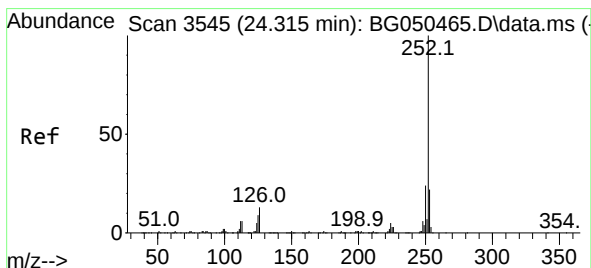
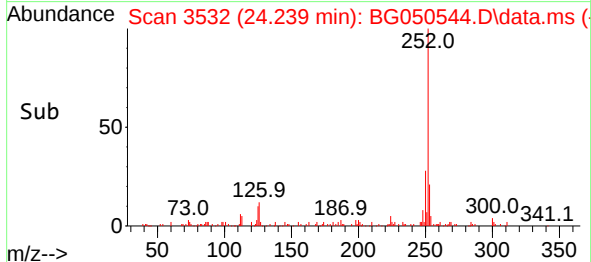
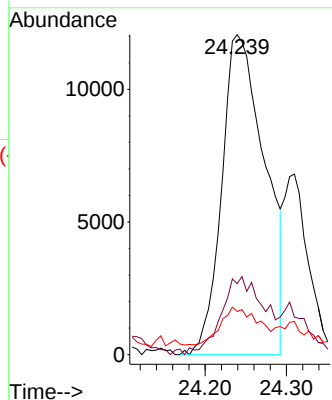
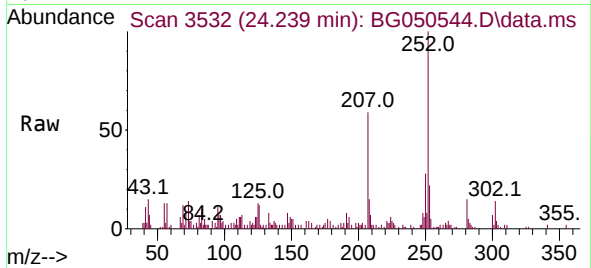




#88
Benzo(b)fluoranthene
Concen: 2.570 ng
RT: 24.239 min Scan# 3532
Delta R.T. -0.005 min
Lab File: BG050544.D
Acq: 11 Oct 2021 20:52

Instrument :
BNA_G
ClientSampleId :
PSC124055DL

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#



#89
Benzo(k)fluoranthene
Concen: 2.613 ng
RT: 24.239 min Scan# 3532
Delta R.T. -0.076 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 18.0 27.0
125 13.5 3.1 4.7#

