

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101121\
 Data File : BG050543.D
 Acq On : 11 Oct 2021 20:10
 Operator : CG/JU
 Sample : M4077-15DL 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EJ-2DL

Quant Time: Oct 12 04:49:29 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)

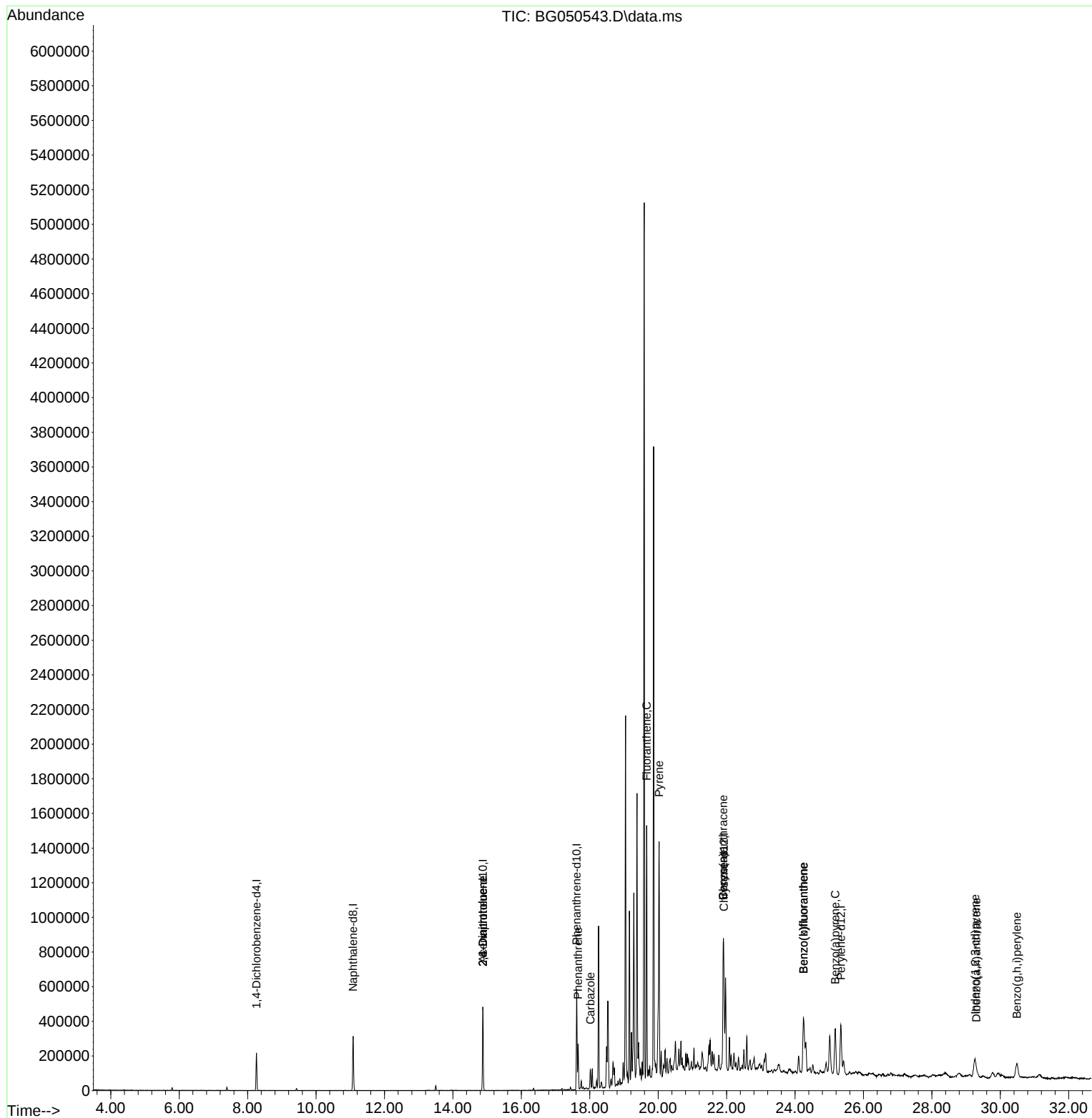
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	58112	20.000	ng	0.00
21) Naphthalene-d8	11.084	136	252497	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	167679	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	342079	20.000	ng	# 0.00
76) Chrysene-d12	21.919	240	281253	20.000	ng	# 0.00
86) Perylene-d12	25.338	264	285653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	6859	1.765	ng	0.00
7) Phenol-d6	7.395	99	9593	1.705	ng	0.00
23) Nitrobenzene-d5	9.427	82	7462	1.223	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	1987	1.242	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	14819	1.330	ng	0.00
79) Terphenyl-d14	20.203	244	20724	1.436	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.880	165	22176	8.736	ng	# 12
57) 2,4-Dinitrotoluene	14.880	165	22176	6.198	ng	# 17
71) Phenanthrene	17.659	178	163576	9.074	ng	96
73) Carbazole	18.017	167	67123	3.760	ng	99
75) Fluoranthene	19.663	202	861501	38.879	ng	95
78) Pyrene	20.027	202	831779	41.683	ng	96
81) Benzo(a)anthracene	21.901	228	404606	21.741	ng	98
83) Chrysene	21.901	228	404606	23.113	ng	97
87) Indeno(1,2,3-cd)pyrene	29.263	276	190244	9.562	ng	# 93
88) Benzo(b)fluoranthene	24.245	252	413627	23.644	ng	# 92
89) Benzo(k)fluoranthene	24.245	252	413627	24.034	ng	# 96
90) Benzo(a)pyrene	25.174	252	301662	20.281	ng	# 95
91) Dibenzo(a,h)anthracene	29.298	278	47278	2.873	ng	# 84
92) Benzo(g,h,i)perylene	30.485	276	175763	10.905	ng	# 91

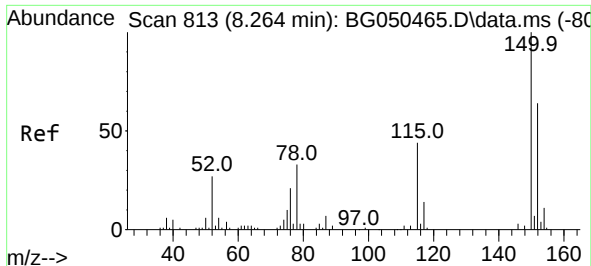
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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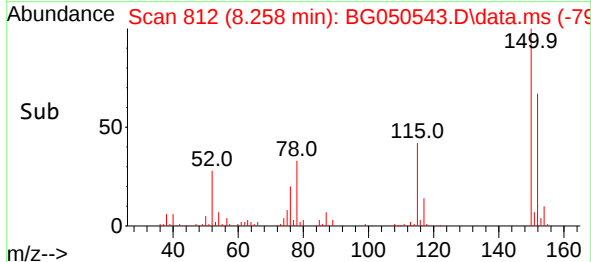
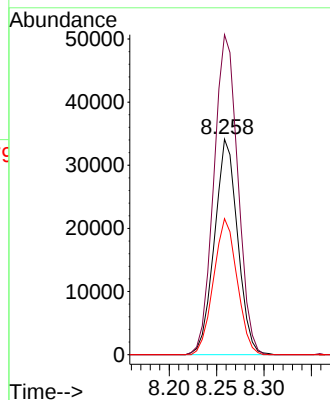
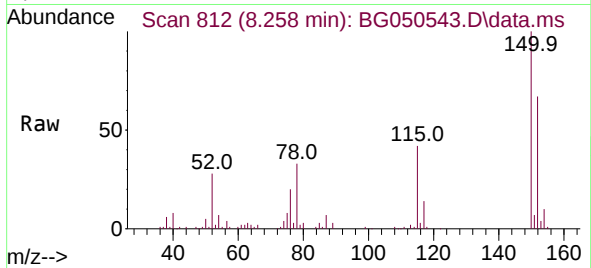




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 812
Delta R.T. -0.006 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

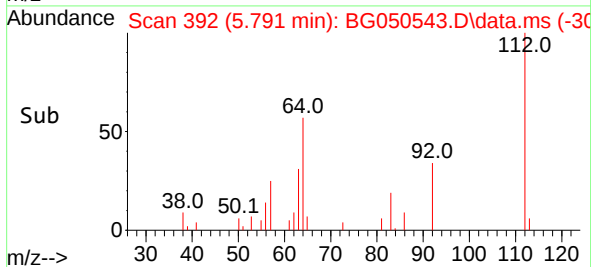
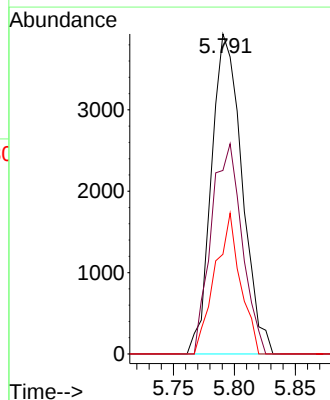
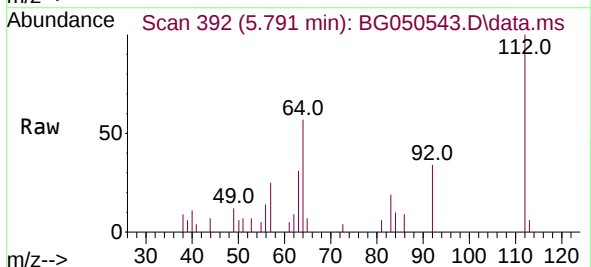
Instrument :
BNA_G
ClientSampleId :
EJ-2DL

Tgt Ion:152 Resp: 58112
Ion Ratio Lower Upper
152 100
150 148.5 119.4 179.0
115 63.1 60.2 90.4



#5
2-Fluorophenol
Concen: 1.765 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:112 Resp: 6859
Ion Ratio Lower Upper
112 100
64 57.3 46.7 70.1
63 31.2 35.3 52.9#

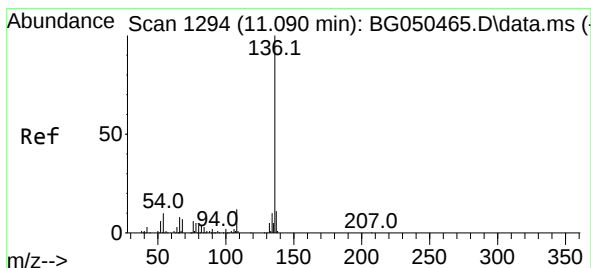
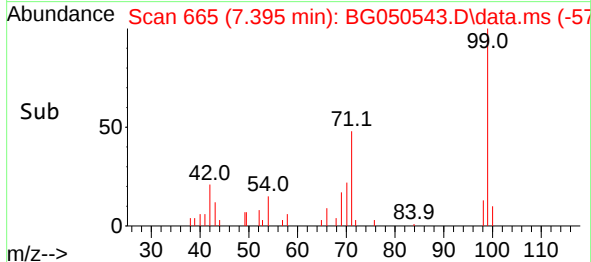
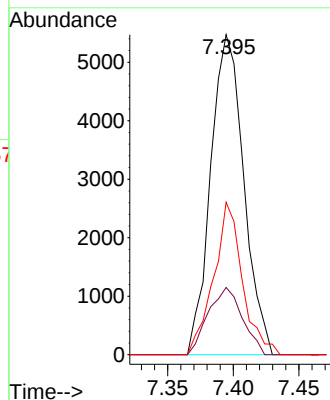
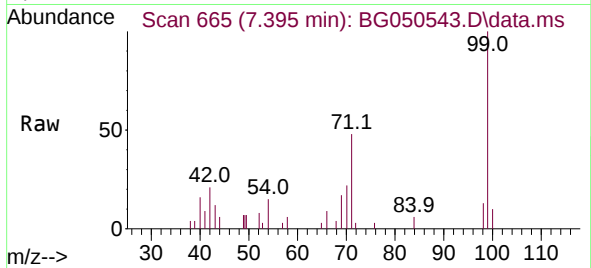




#7
Phenol-d6
Concen: 1.705 ng
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

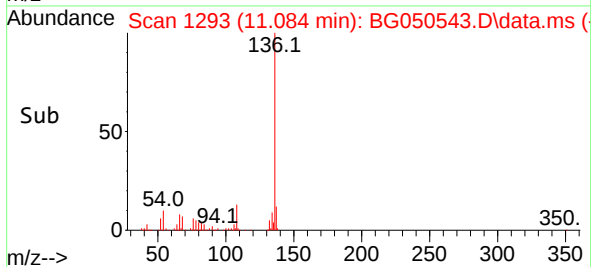
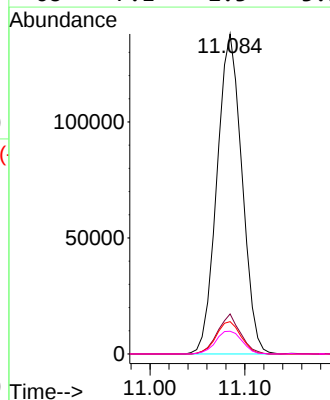
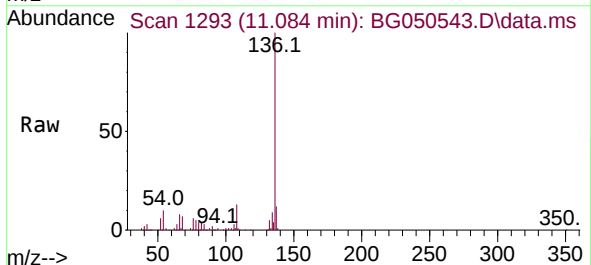
Instrument :
BNA_G
ClientSampled :
EJ-2DL

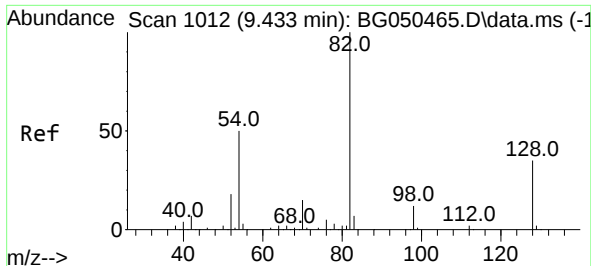
Tgt Ion:	99	Resp:	9593
Ion	Ratio	Lower	Upper
99	100		
42	21.0	20.5	30.7
71	47.6	41.5	62.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.084 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:	136	Resp:	252497
Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.2	12.2#
54	10.1	5.5	8.3#
68	7.1	2.3	3.5#

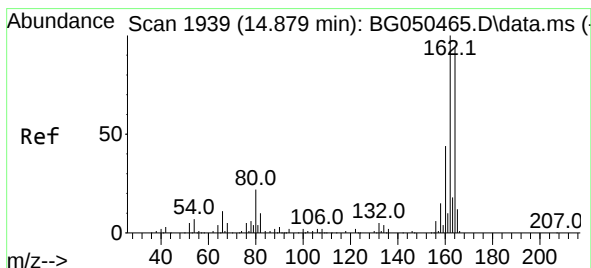
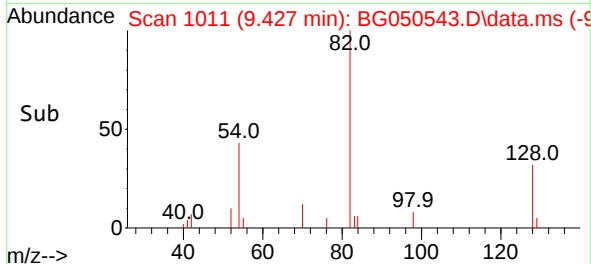
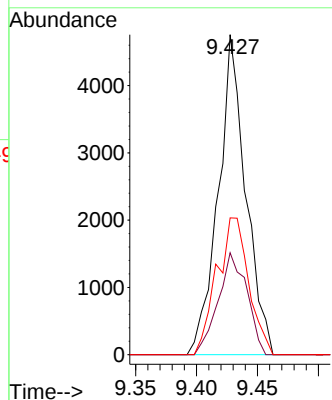
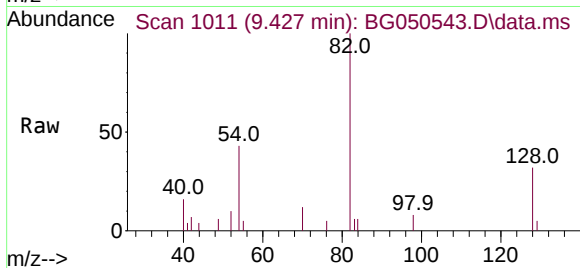




#23
Nitrobenzene-d5
Concen: 1.223 ng
RT: 9.427 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

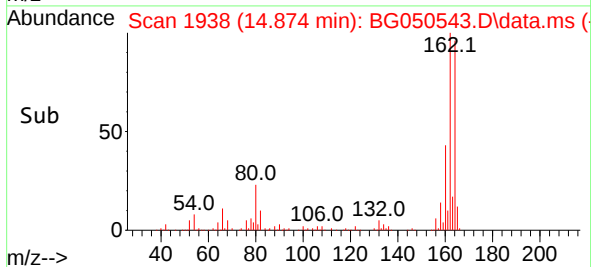
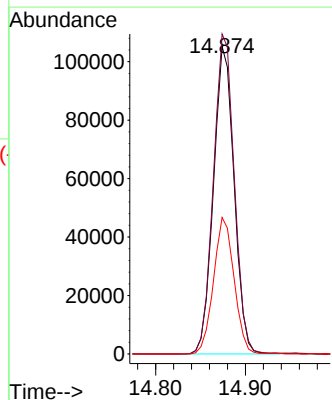
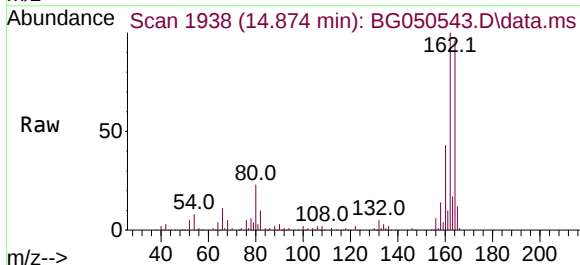
Instrument :
BNA_G
ClientSampleId :
EJ-2DL

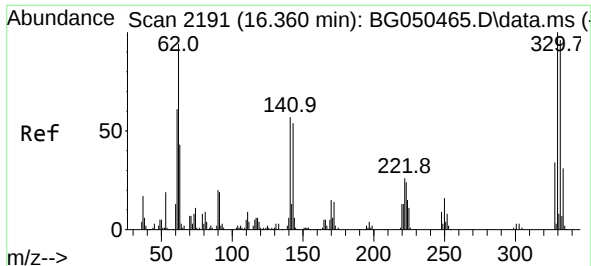
Tgt Ion:	82	Resp:	7462
Ion	Ratio	Lower	Upper
82	100		
128	31.8	29.8	44.6
54	42.8	45.8	68.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:	164	Resp:	167679
Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.4	122.0
160	44.4	34.9	52.3

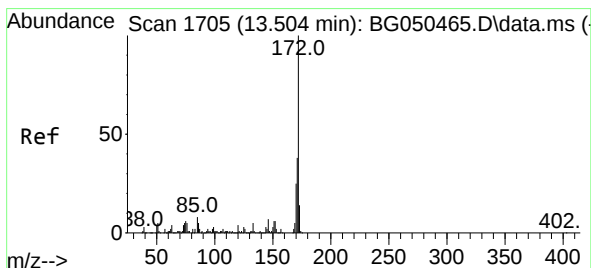
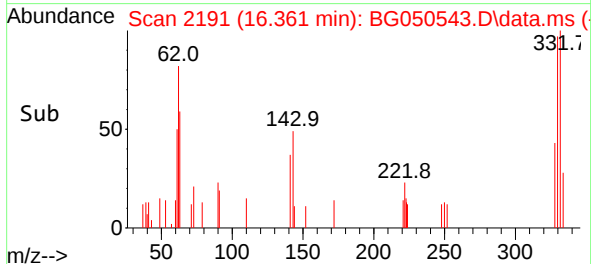
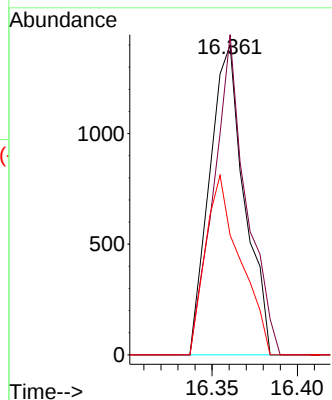
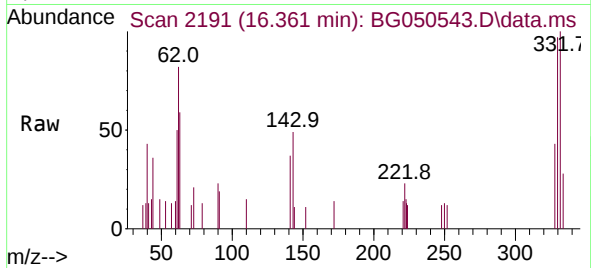




#42
2,4,6-Tribromophenol
Concen: 1.242 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

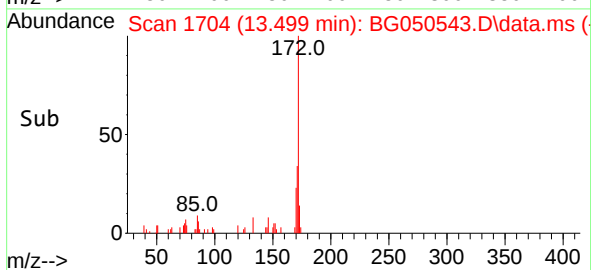
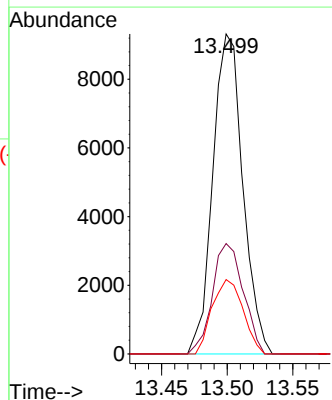
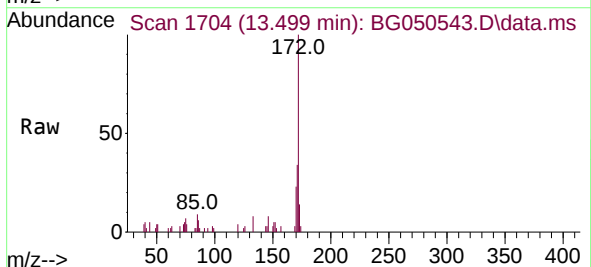
Instrument :
BNA_G
ClientSampled :
EJ-2DL

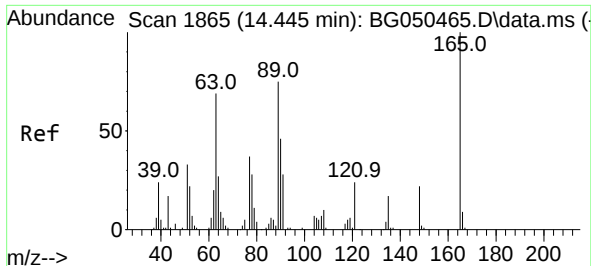
Tgt Ion:330 Resp: 1987
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 57.8 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 1.330 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:172 Resp: 14819
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 23.2 18.6 27.8

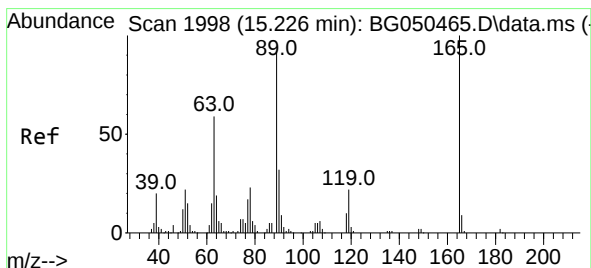
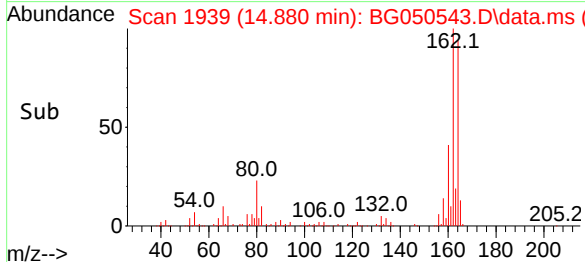
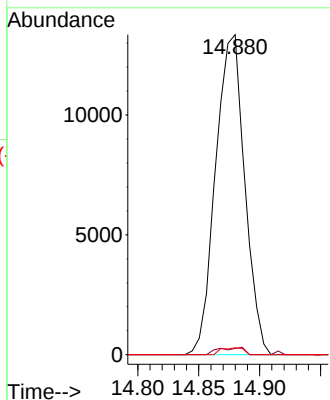
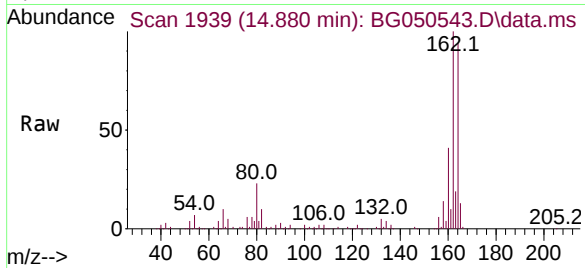




#51
2,6-Dinitrotoluene
Concen: 8.736 ng
RT: 14.880 min Scan# 1939
Delta R.T. 0.435 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

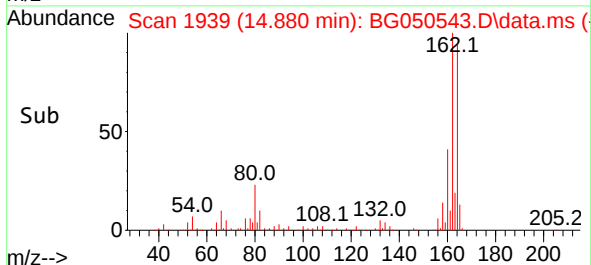
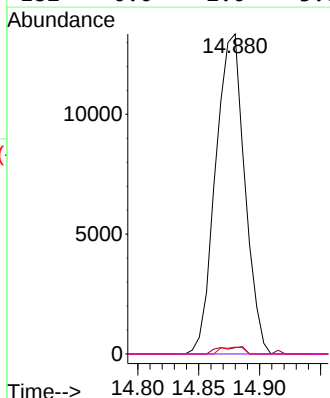
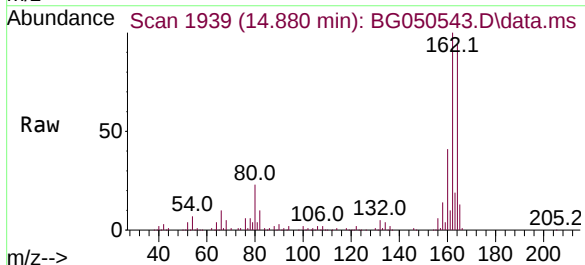
Instrument :
BNA_G
ClientSampled :
EJ-2DL

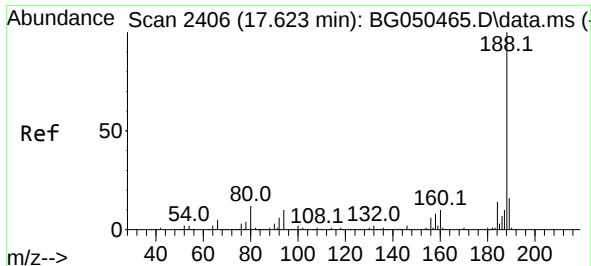
Tgt Ion:165 Resp: 22176
Ion Ratio Lower Upper
165 100
63 2.0 63.3 94.9#
89 2.1 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.198 ng
RT: 14.880 min Scan# 1939
Delta R.T. -0.346 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:165 Resp: 22176
Ion Ratio Lower Upper
165 100
63 2.0 48.0 72.0#
89 2.1 65.4 98.0#
182 0.0 2.0 3.0#

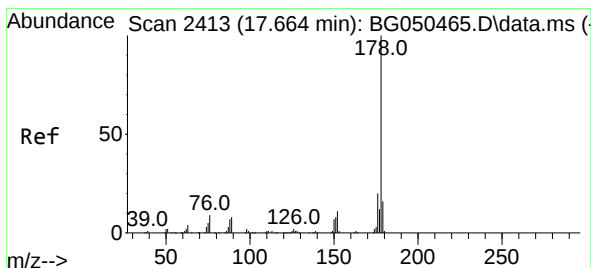
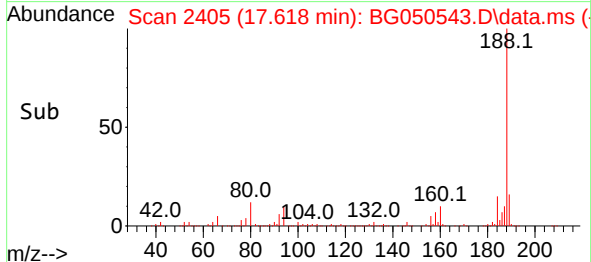
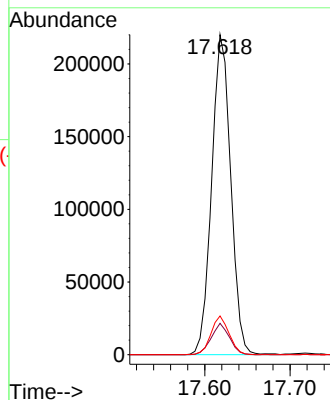
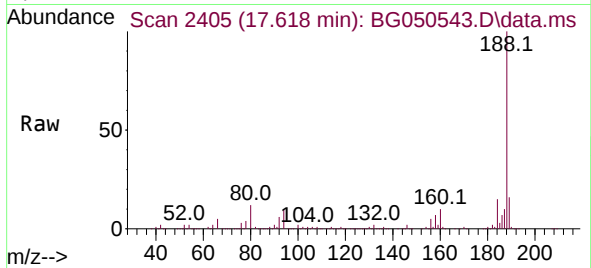




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

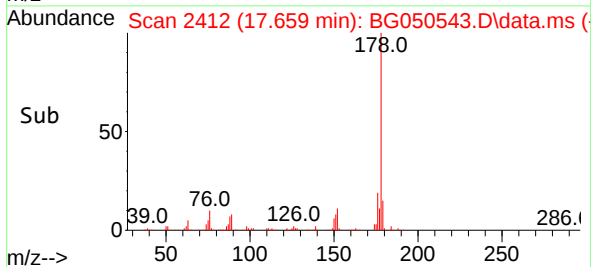
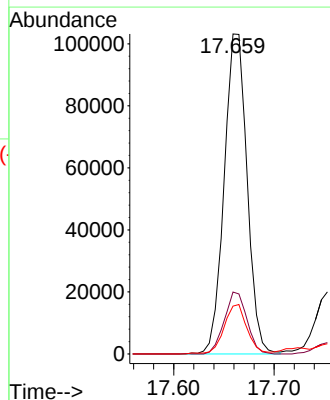
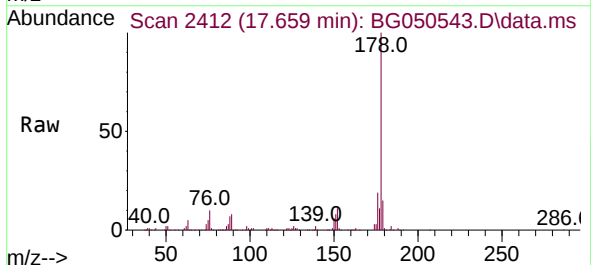
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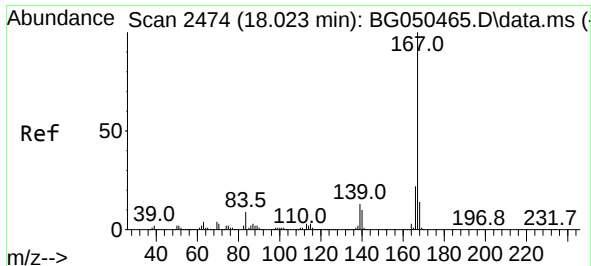
Tgt Ion:188 Resp: 342079
Ion Ratio Lower Upper
188 100
94 9.8 5.4 8.0#
80 12.1 3.7 5.5#



#71
Phenanthrene
Concen: 9.074 ng
RT: 17.659 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:178 Resp: 163576
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.0 14.2 21.4

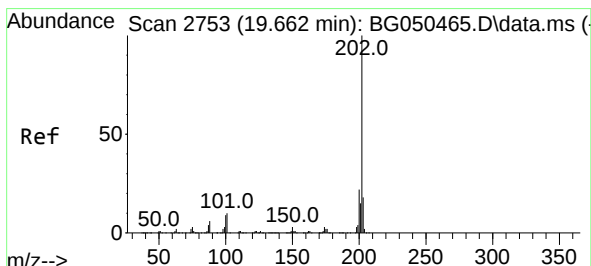
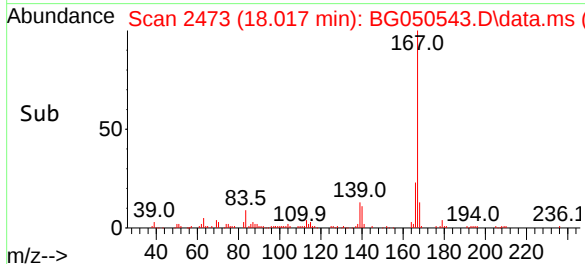
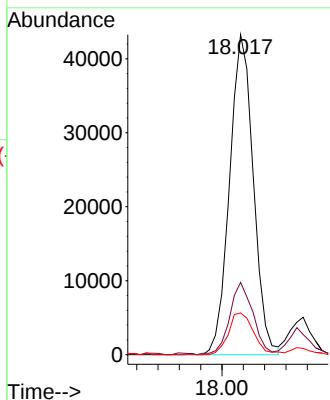
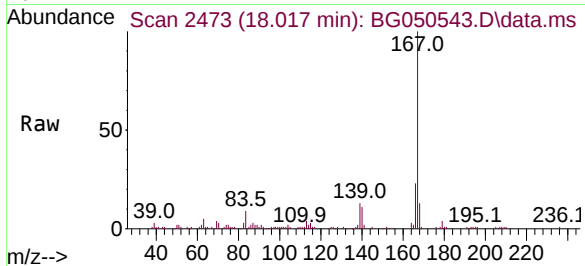




#73
 Carbazole
 Concen: 3.760 ng
 RT: 18.017 min Scan# 2473
 Delta R.T. -0.005 min
 Lab File: BG050543.D
 Acq: 11 Oct 2021 20:10

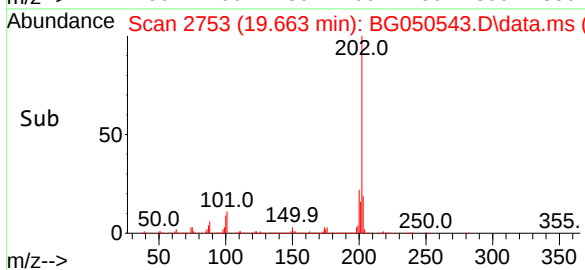
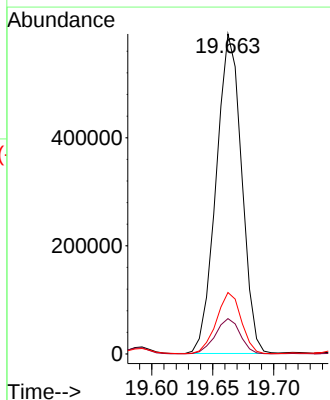
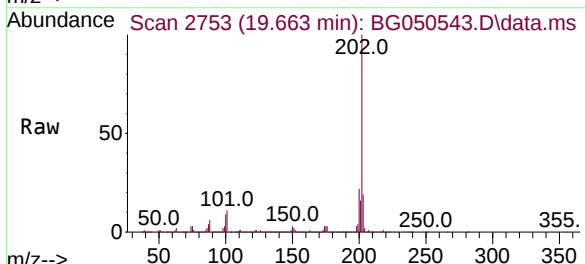
Instrument :
 BNA_G
 ClientSampled :
 EJ-2DL

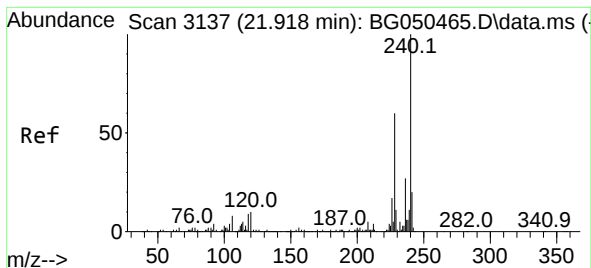
Tgt Ion:167 Resp: 67123
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.2
 139 13.1 10.7 16.1



#75
 Fluoranthene
 Concen: 38.879 ng
 RT: 19.663 min Scan# 2753
 Delta R.T. 0.001 min
 Lab File: BG050543.D
 Acq: 11 Oct 2021 20:10

Tgt Ion:202 Resp: 861501
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 24.7
 203 19.2 0.0 38.5

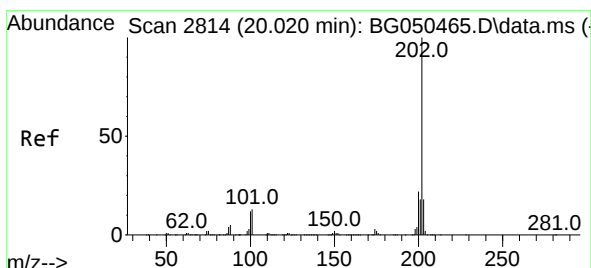
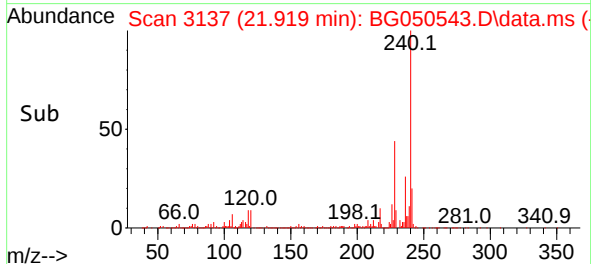
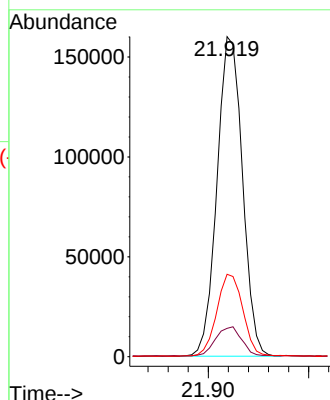
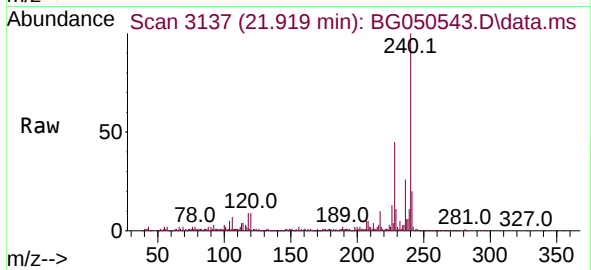




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3137
Delta R.T. 0.001 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

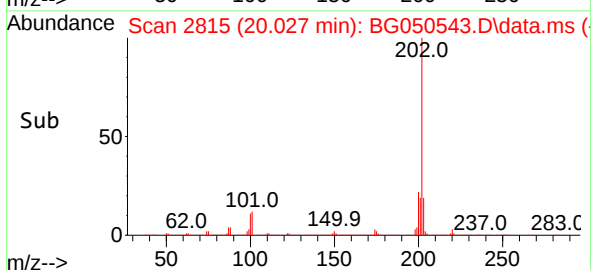
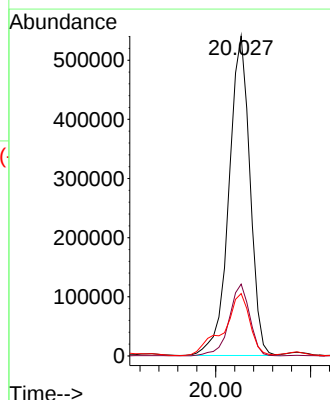
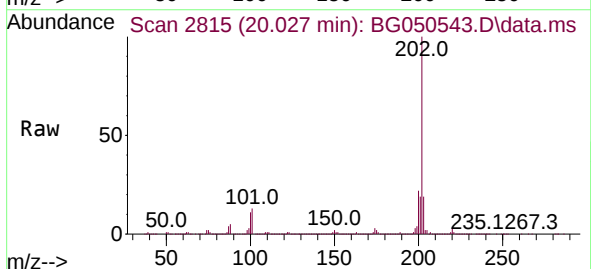
Instrument :
BNA_G
ClientSampled :
EJ-2DL

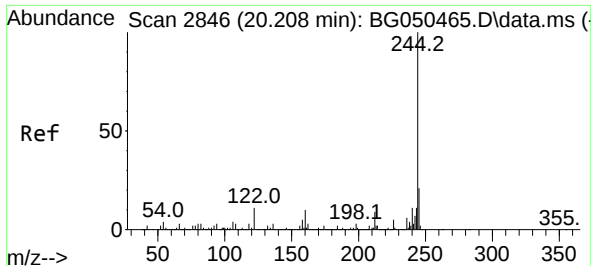
Tgt Ion:240 Resp: 281253
Ion Ratio Lower Upper
240 100
120 8.8 4.2 6.2#
236 25.8 21.8 32.6



#78
Pyrene
Concen: 41.683 ng
RT: 20.027 min Scan# 2815
Delta R.T. 0.006 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:202 Resp: 831779
Ion Ratio Lower Upper
202 100
200 22.4 15.8 23.8
203 19.5 14.6 21.8

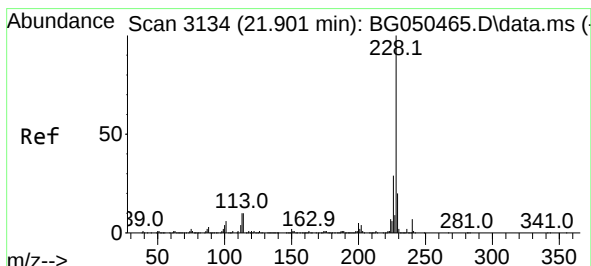
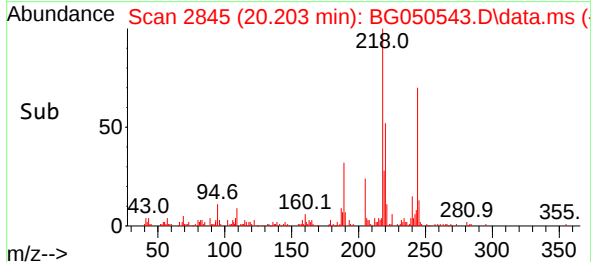
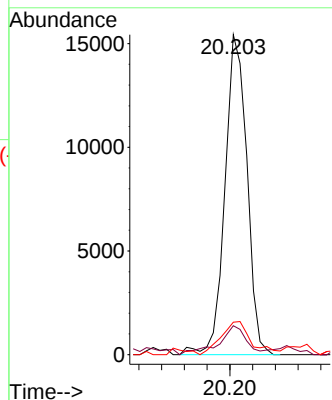
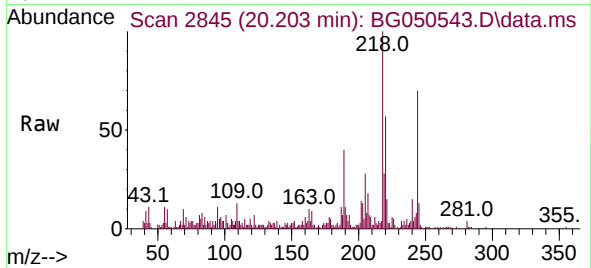




#79
 Terphenyl-d14
 Concen: 1.436 ng
 RT: 20.203 min Scan# 2845
 Delta R.T. -0.005 min
 Lab File: BG050543.D
 Acq: 11 Oct 2021 20:10

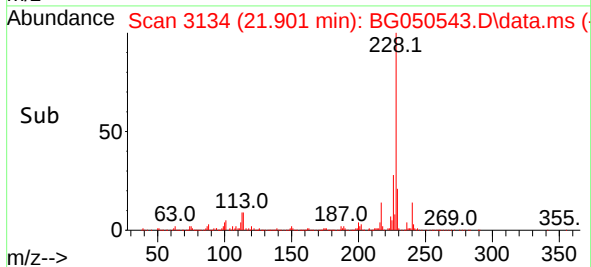
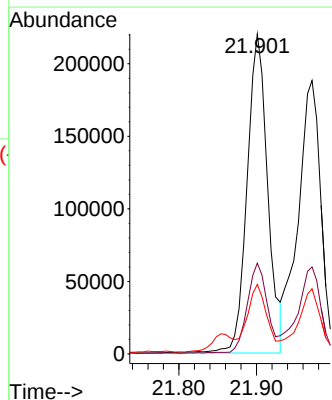
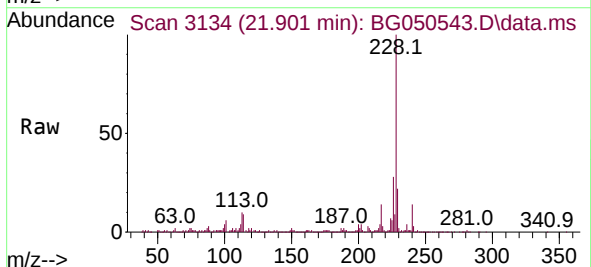
Instrument :
 BNA_G
 ClientSampled :
 EJ-2DL

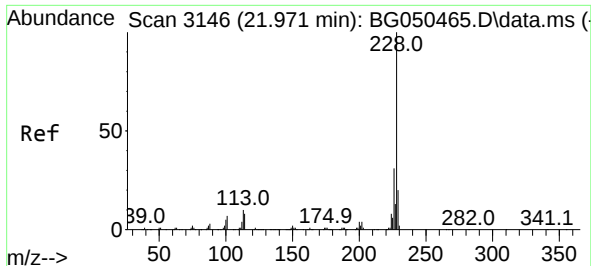
Tgt Ion:244 Resp: 20724
 Ion Ratio Lower Upper
 244 100
 212 9.0 6.9 10.3
 122 10.2 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 21.741 ng
 RT: 21.901 min Scan# 3134
 Delta R.T. 0.001 min
 Lab File: BG050543.D
 Acq: 11 Oct 2021 20:10

Tgt Ion:228 Resp: 404606
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.7 34.1
 229 21.8 16.0 24.0

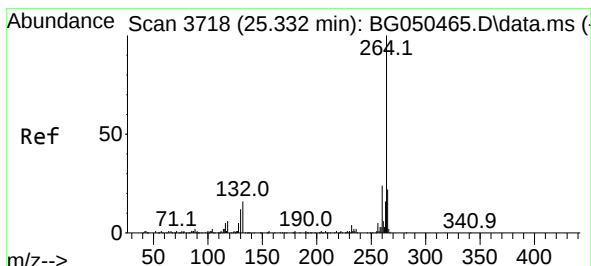
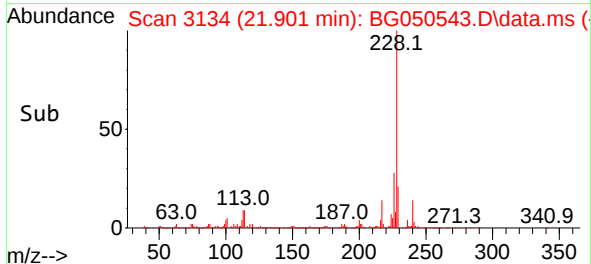
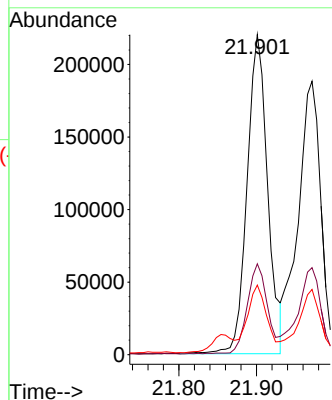
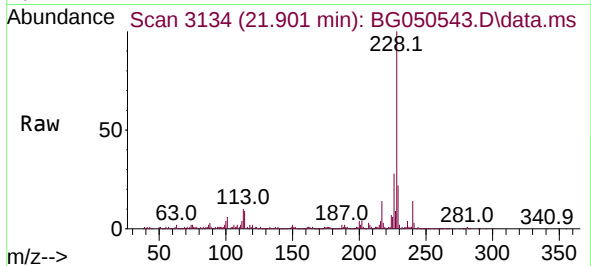




#83
Chrysene
Concen: 23.113 ng
RT: 21.901 min Scan# 3134
Delta R.T. -0.070 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

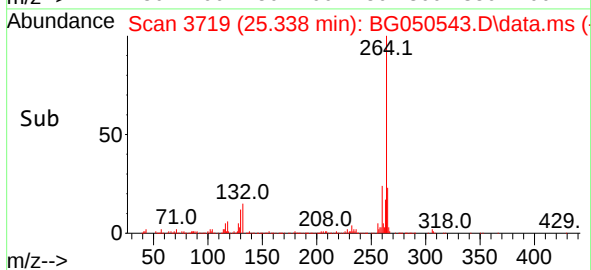
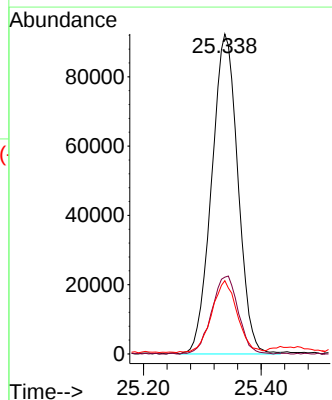
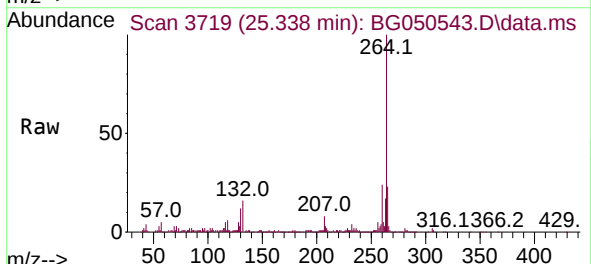
Instrument :
BNA_G
ClientSampleId :
EJ-2DL

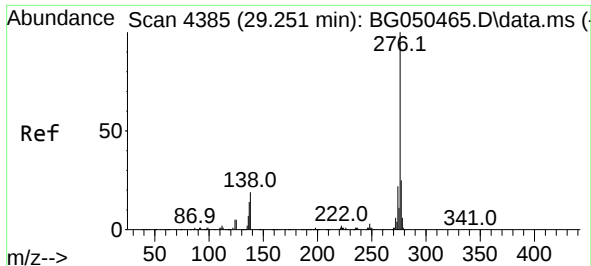
Tgt Ion:228 Resp: 404606
Ion Ratio Lower Upper
228 100
226 28.4 23.1 34.7
229 21.8 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.338 min Scan# 3719
Delta R.T. 0.006 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

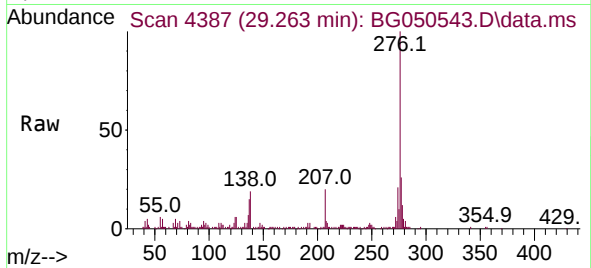
Tgt Ion:264 Resp: 285653
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 22.9 16.9 25.3



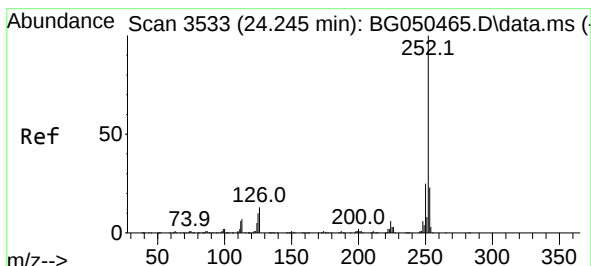
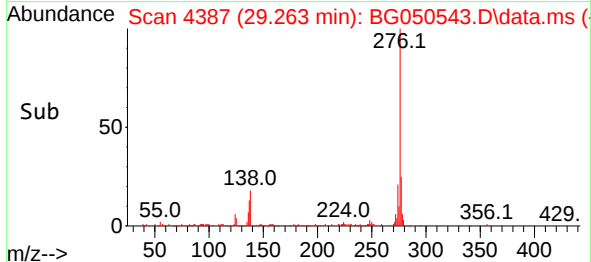
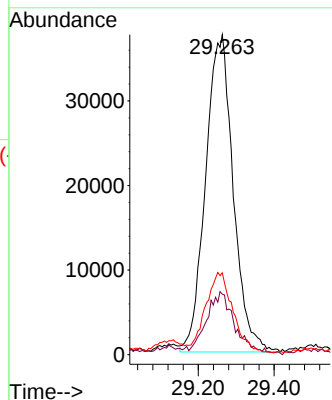


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.562 ng
RT: 29.263 min Scan# 4387
Delta R.T. 0.012 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Instrument :
BNA_G
ClientSampled :
EJ-2DL

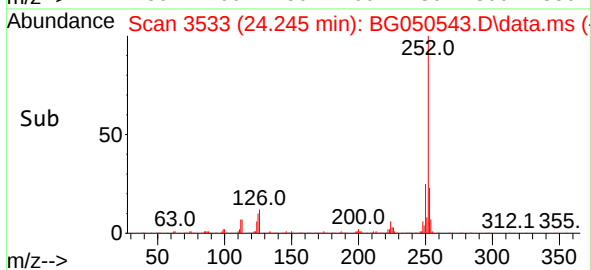
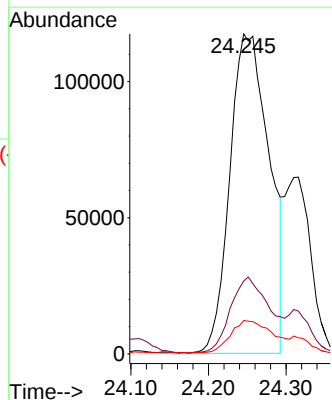
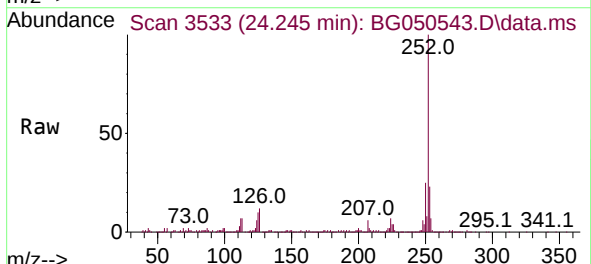


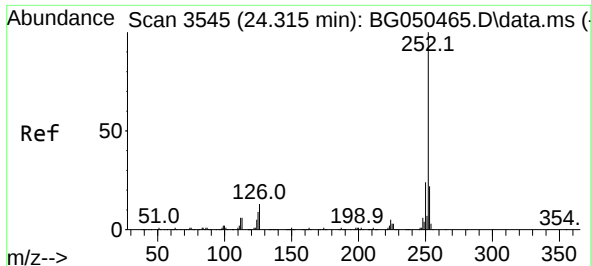
Tgt Ion:276 Resp: 190244
Ion Ratio Lower Upper
276 100
138 18.0 5.1 7.7#
277 24.9 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 23.644 ng
RT: 24.245 min Scan# 3533
Delta R.T. 0.001 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:252 Resp: 413627
Ion Ratio Lower Upper
252 100
253 22.8 16.2 24.4
125 10.4 3.0 4.4#

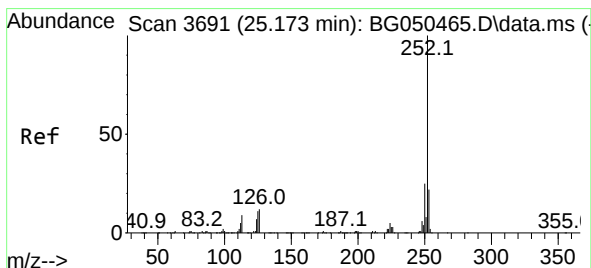
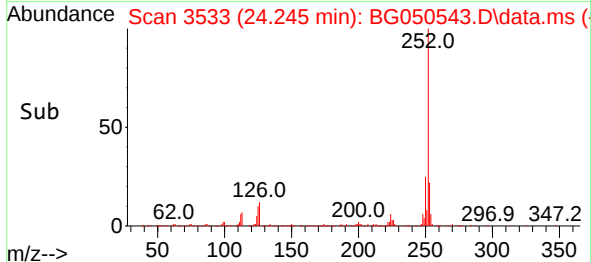
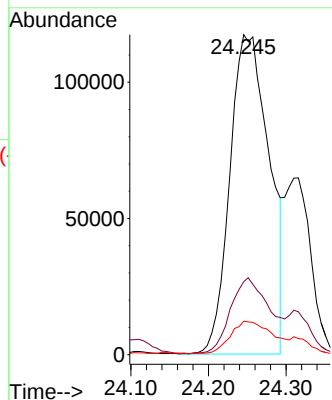
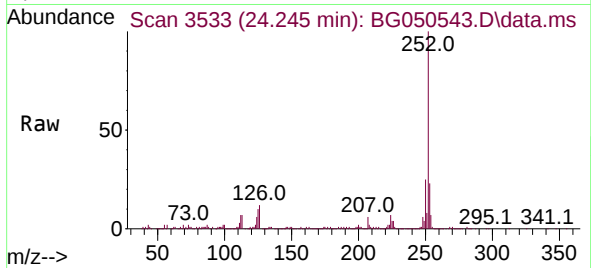




#89
Benzo(k)fluoranthene
Concen: 24.034 ng
RT: 24.245 min Scan# 3533
Delta R.T. -0.070 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

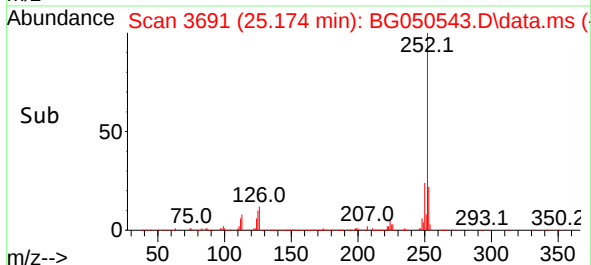
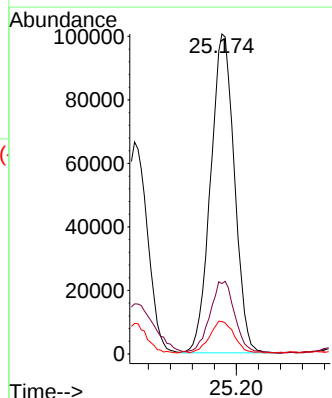
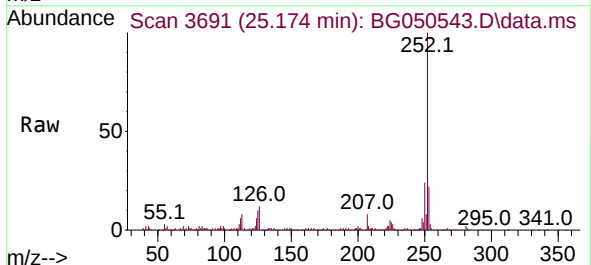
Instrument :
BNA_G
ClientSampled :
EJ-2DL

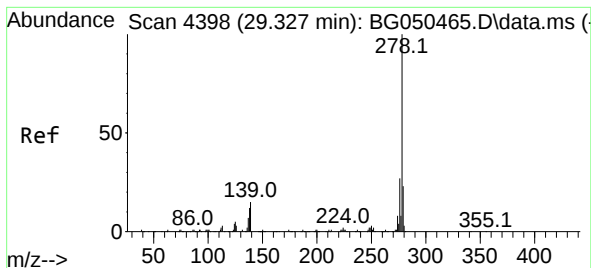
Tgt Ion:252 Resp: 413627
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 10.4 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 20.281 ng
RT: 25.174 min Scan# 3691
Delta R.T. 0.001 min
Lab File: BG050543.D
Acq: 11 Oct 2021 20:10

Tgt Ion:252 Resp: 301662
Ion Ratio Lower Upper
252 100
253 22.0 16.6 25.0
125 10.2 3.5 5.3#

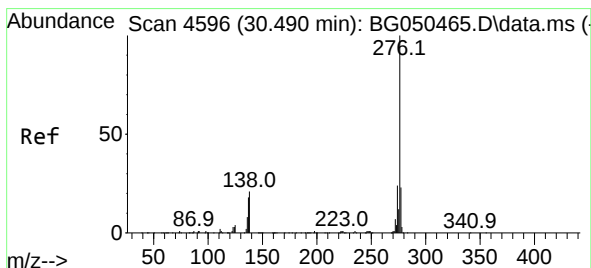
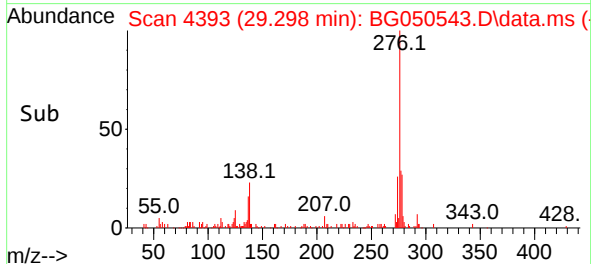
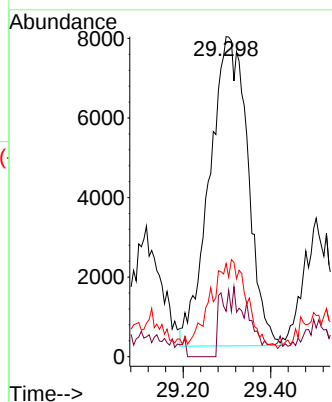
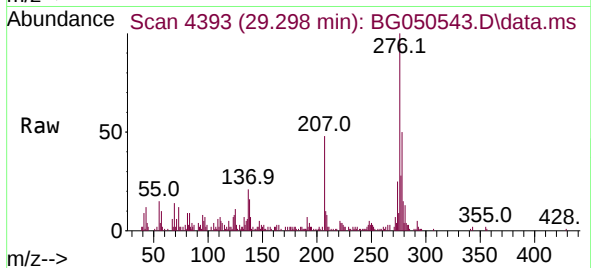




#91
 Dibenzo(a,h)anthracene
 Concen: 2.873 ng
 RT: 29.298 min Scan# 4393
 Delta R.T. -0.029 min
 Lab File: BG050543.D
 Acq: 11 Oct 2021 20:10

Instrument :
 BNA_G
 ClientSampleId :
 EJ-2DL

Tgt Ion:278 Resp: 47278
 Ion Ratio Lower Upper
 278 100
 139 14.2 4.6 6.8#
 279 29.1 17.9 26.9#



#92
 Benzo(g,h,i)perylene
 Concen: 10.905 ng
 RT: 30.485 min Scan# 4595
 Delta R.T. -0.005 min
 Lab File: BG050543.D
 Acq: 11 Oct 2021 20:10

Tgt Ion:276 Resp: 175763
 Ion Ratio Lower Upper
 276 100
 277 22.9 18.4 27.6
 138 19.8 7.0 10.6#

