

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101121\
 Data File : BG050537.D
 Acq On : 11 Oct 2021 15:55
 Operator : CG/JU
 Sample : M4107-01DL 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-100621DL

Manual Integrations
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Quant Time: Oct 11 16:32:52 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	8.265	152	60880	20.00	ng	0.00
21) Naphthalene-d8	11.086	136	257514	20.00	ng	# 0.00
39) Acenaphthene-d10	14.881	164	168890	20.00	ng	0.00
64) Phenanthrene-d10	17.625	188	345899	20.00	ng	# 0.00
76) Chrysene-d12	21.926	240	298859	20.00	ng	# 0.00
86) Perylene-d12	25.345	264	301183	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	6465	1.59	ng	0.00
7) Phenol-d6	7.396	99	9296	1.58	ng	0.00
23) Nitrobenzene-d5	9.435	82	6886	1.11	ng	0.00
42) 2,4,6-Tribromophenol	16.362	330	2345	1.46	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	12431	1.11	ng	0.00
79) Terphenyl-d14	20.210	244	16987	1.11	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.139	128	134746	9.78	ng	98
52) Acenaphthene	14.940	154	76558	7.69	ng	91
55) Dibenzofuran	15.275	168	45974	2.98	ng	96
58) Fluorene	15.921	166	73522	6.21	ng	94
71) Phenanthrene	17.666	178	673417	36.95	ng	98
72) Anthracene	17.754	178	156424	8.64	ng	98
73) Carbazole	18.019	167	103139	5.71	ng	98
75) Fluoranthene	19.664	202	885020	39.50	ng	96
78) Pyrene	20.022	202	737354	34.77	ng	97
81) Benzo(a)anthracene	21.902	228	387930	19.62	ng	100
83) Chrysene	21.973	228	335174m	18.02	ng	
87) Indeno(1,2,3-cd)pyrene	29.258	276	177307	8.45	ng	# 91
88) Benzo(b)fluoranthene	24.253	252	398364	21.60	ng	# 93
89) Benzo(k)fluoranthene	24.317	252	134274m	7.40	ng	
90) Benzo(a)pyrene	25.181	252	300710	19.17	ng	# 94
91) Dibenzo(a,h)anthracene	29.300	278	46635	2.69	ng	# 87
92) Benzo(g,h,i)perylene	30.492	276	163582	9.63	ng	# 92

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

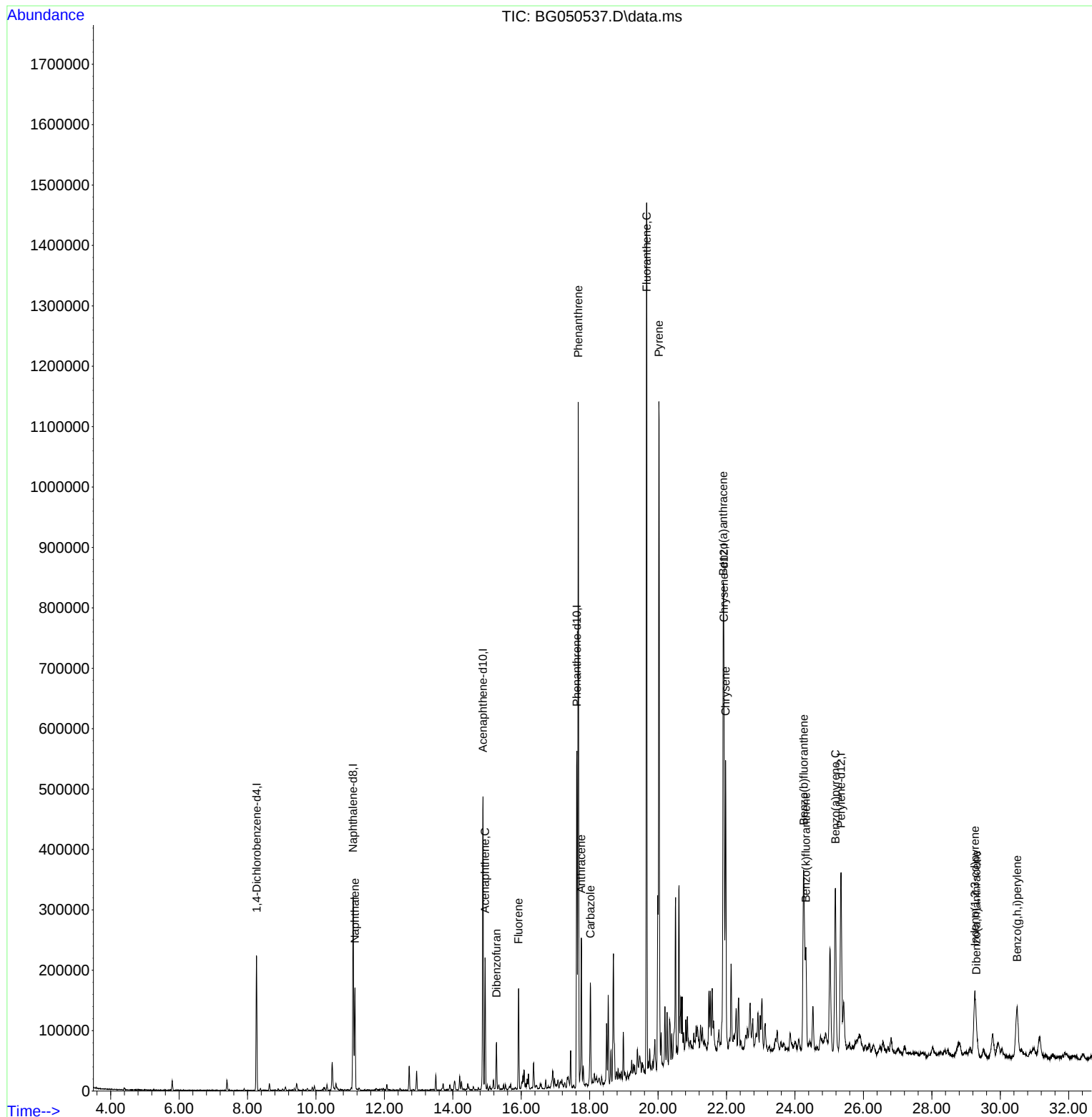
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101121\
Data File : BG050537.D
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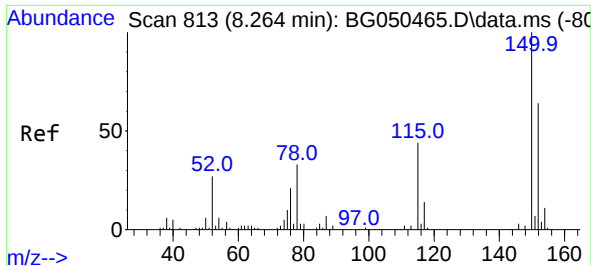
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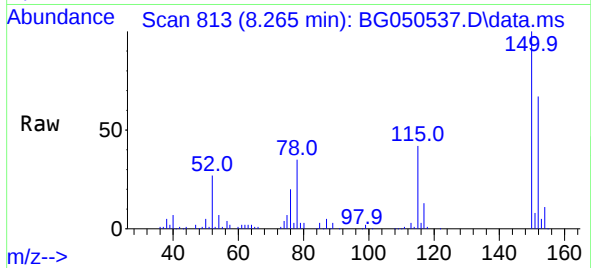
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Quant Time: Oct 11 16:32:52 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 06 15:51:01 2021
Response via : Initial Calibration

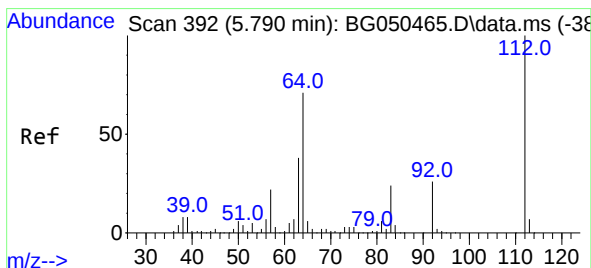
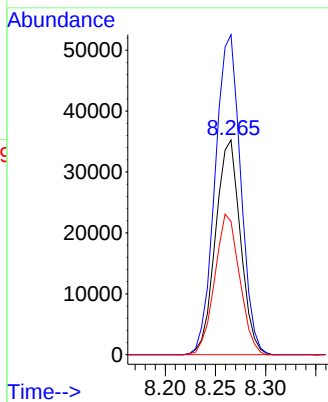
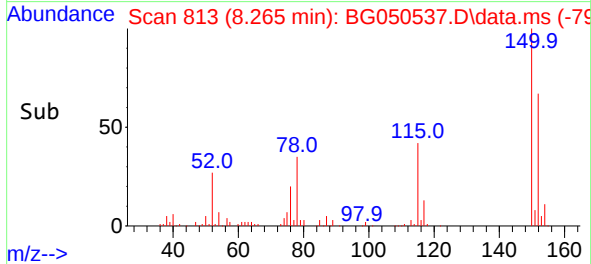




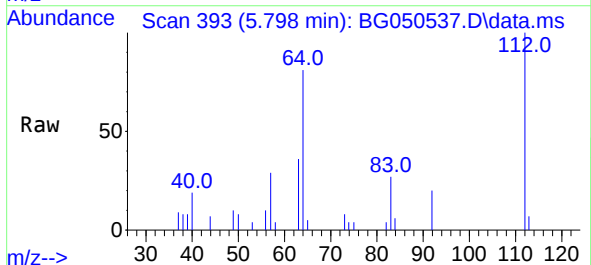
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.265 min Scan# 813
Delta R.T. 0.001 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



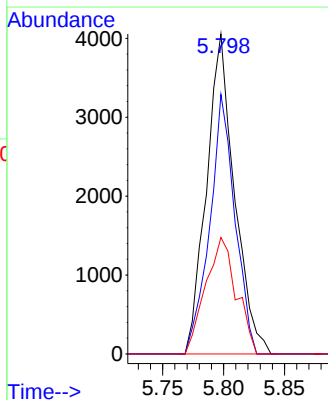
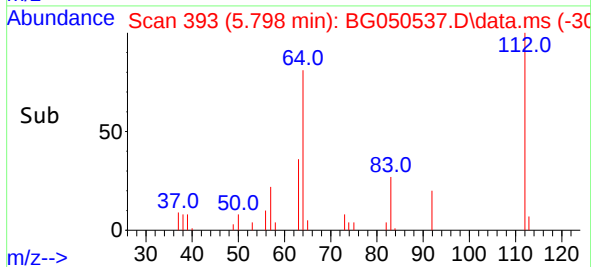
Tgt Ion:152 Resp: 60880
Ion Ratio Lower Upper
152 100
150 149.0 119.4 179.0
115 62.0 60.2 90.4



#5
2-Fluorophenol
Concen: 1.59 ng
RT: 5.798 min Scan# 393
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



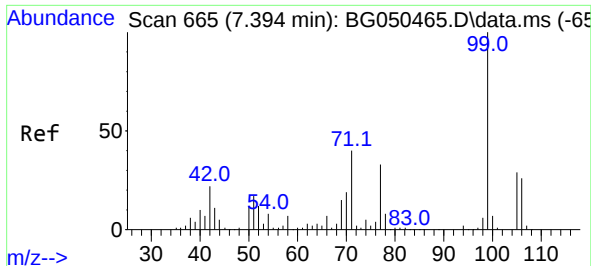
Tgt Ion:112 Resp: 6465
Ion Ratio Lower Upper
112 100
64 81.1 46.7 70.1#
63 36.4 35.3 52.9



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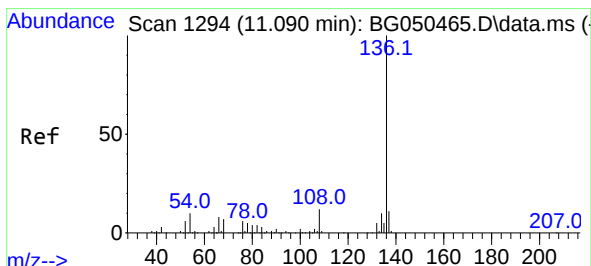
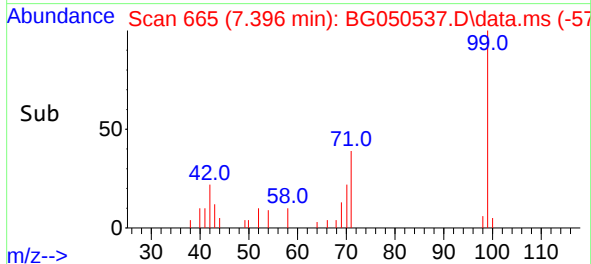
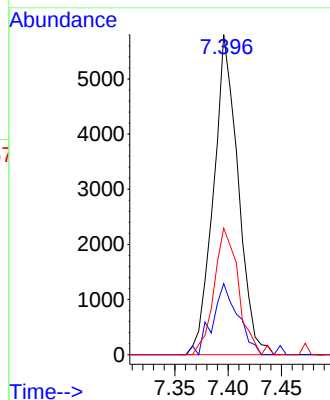
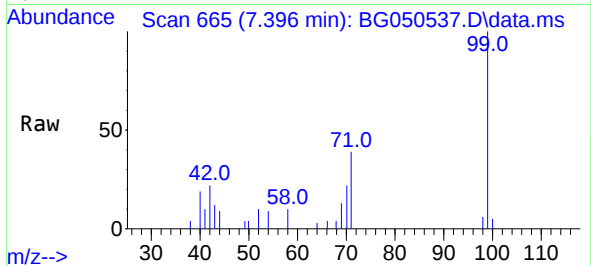
#7
Phenol-d6
Concen: 1.58 ng
RT: 7.396 min Scan# 665
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:	99	Resp:	9296
Ion	Ratio	Lower	Upper
99	100		
42	22.2	20.5	30.7
71	39.5	41.5	62.3#

Instrument :
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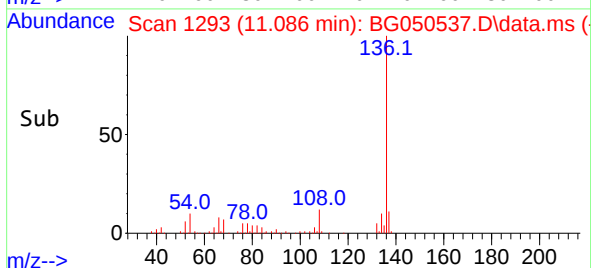
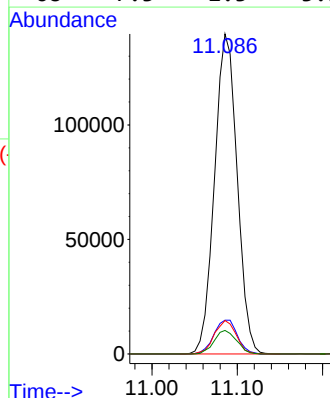
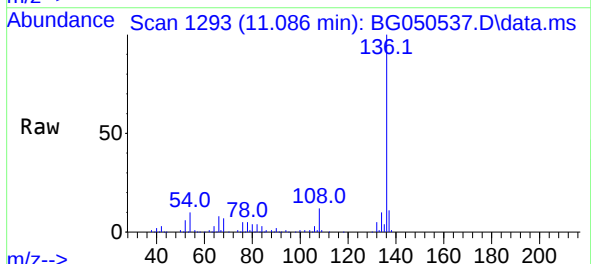
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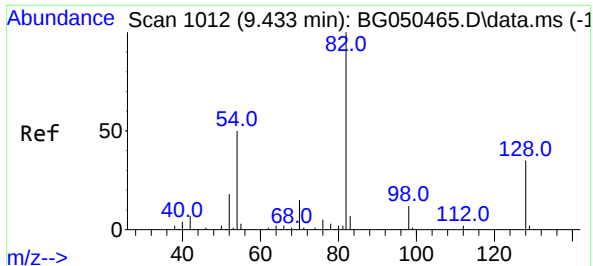
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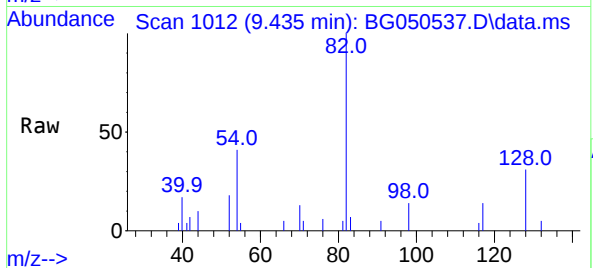
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.086 min Scan# 1293
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:	136	Resp:	257514
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.2
54	10.4	5.5	8.3#
68	7.3	2.3	3.5#

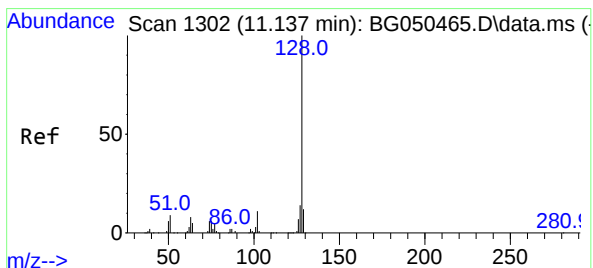
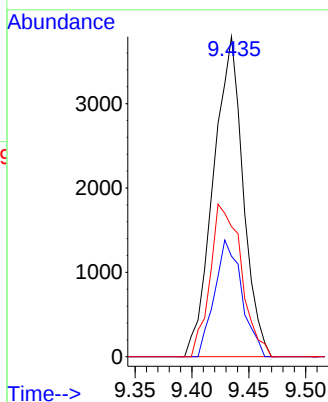
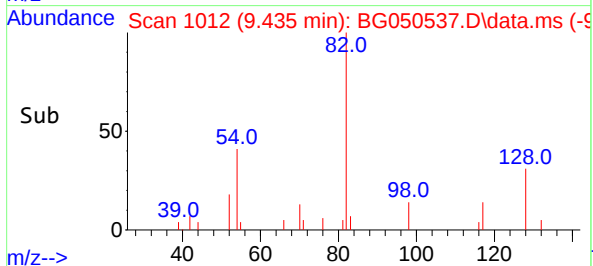




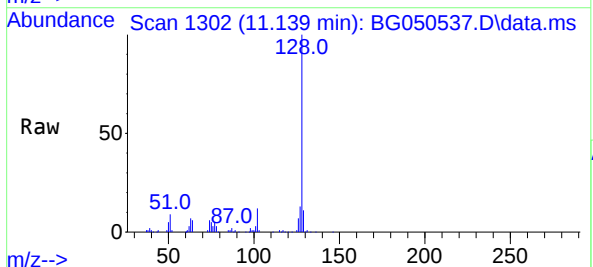
#23
Nitrobenzene-d5
Concen: 1.11 ng
RT: 9.435 min Scan# 1012
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



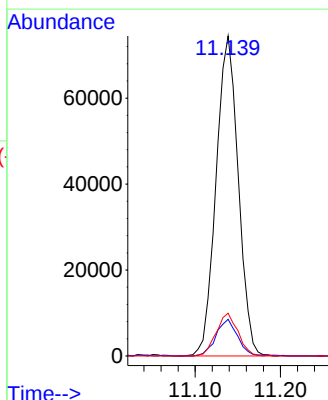
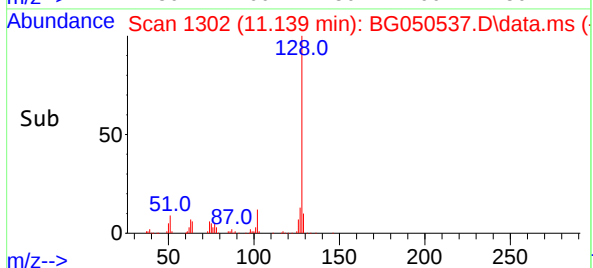
Tgt Ion: 82 Resp: 6886
Ion Ratio Lower Upper
82 100
128 31.4 29.8 44.6
54 40.7 45.8 68.8#



#31
Naphthalene
Concen: 9.78 ng
RT: 11.139 min Scan# 1302
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



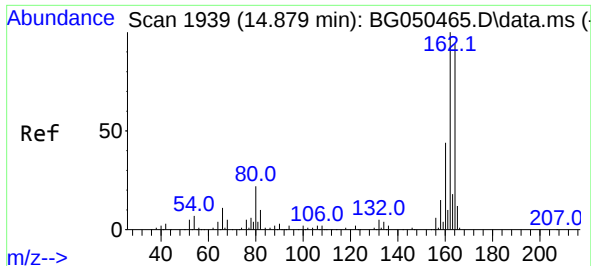
Tgt Ion: 128 Resp: 134746
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 13.4 10.2 15.4



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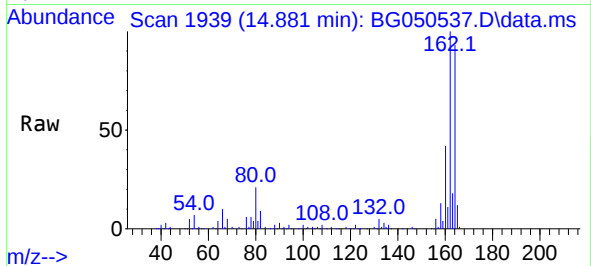
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.881 min Scan# 1939
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

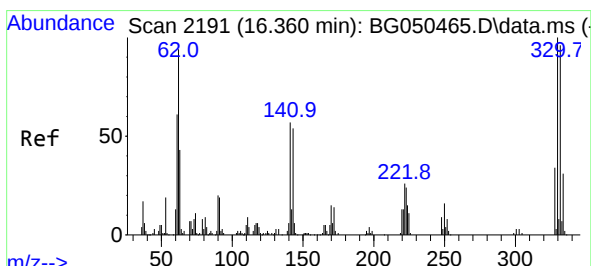
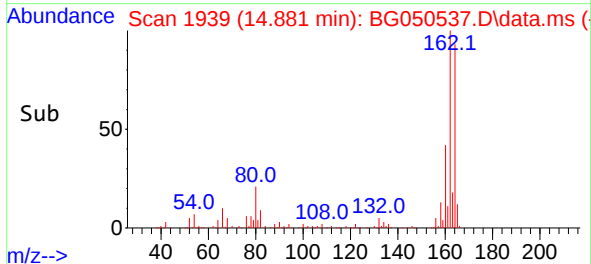
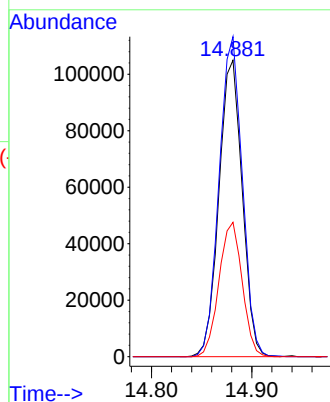
Instrument :
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ClientSampleId :
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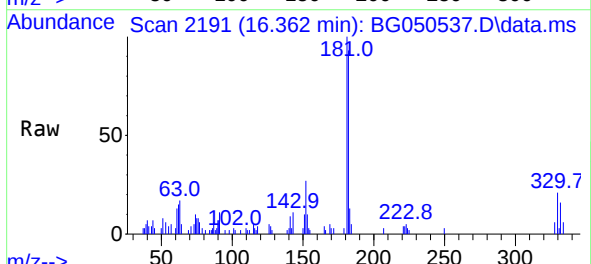
Tgt Ion:164 Resp: 168890
Ion Ratio Lower Upper
164 100
162 107.9 81.4 122.0
160 45.3 34.9 52.3

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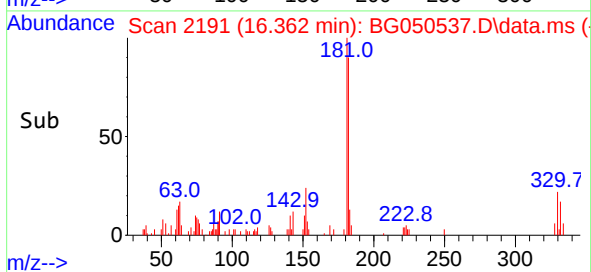
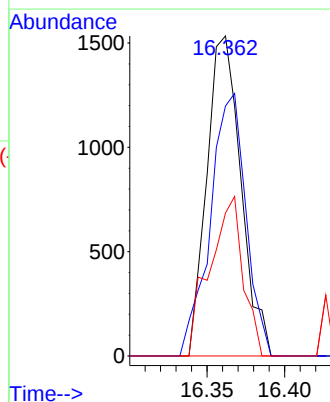
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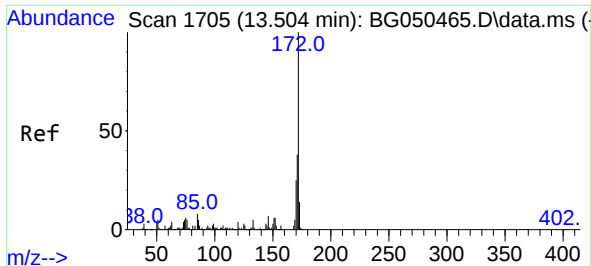


#42
2,4,6-Tribromophenol
Concen: 1.46 ng
RT: 16.362 min Scan# 2191
Delta R.T. 0.002 min
Lab File: BG050537.D
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Tgt Ion:330 Resp: 2345
Ion Ratio Lower Upper
330 100
332 85.8 77.3 115.9
141 48.6 35.6 53.4





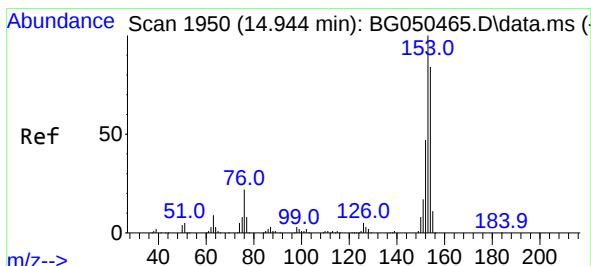
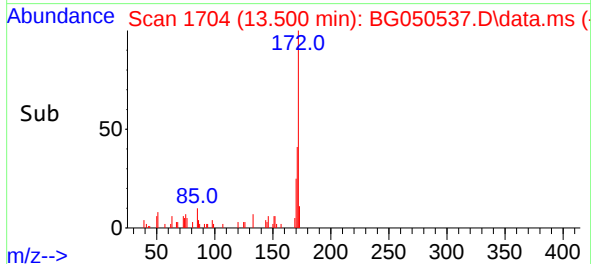
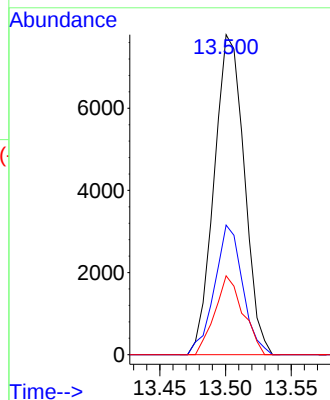
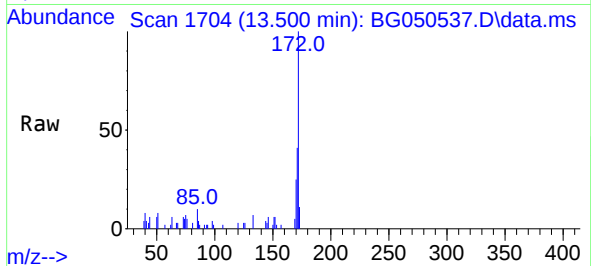
#45
2-Fluorobiphenyl
Concen: 1.11 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.5	28.6	43.0
170	24.6	18.6	27.8

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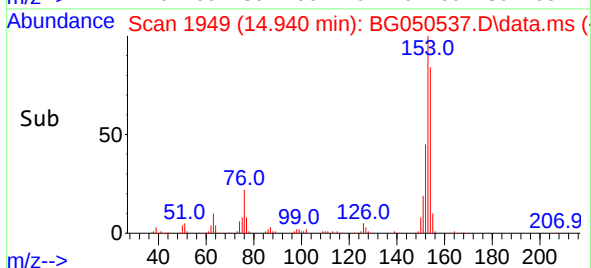
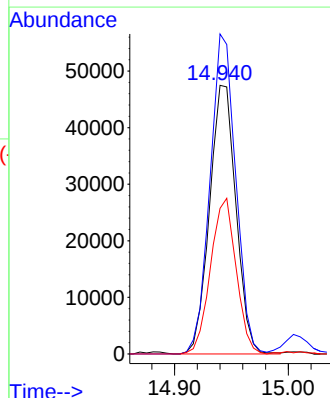
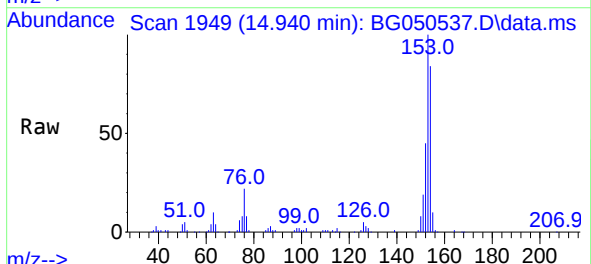
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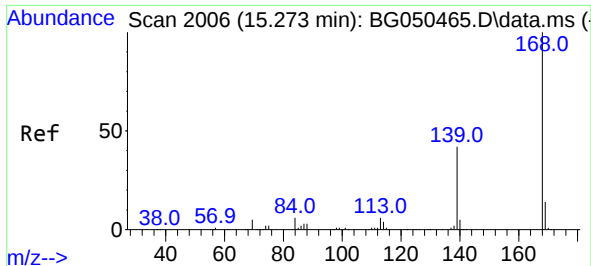
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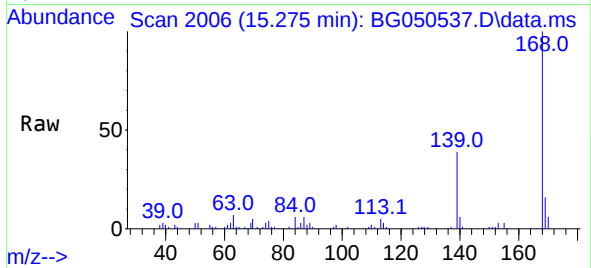
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Acenaphthene
Concen: 7.69 ng
RT: 14.940 min Scan# 1949
Delta R.T. -0.004 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	119.1	87.0	130.4
152	54.2	40.1	60.1

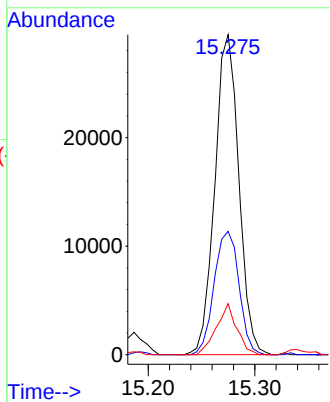
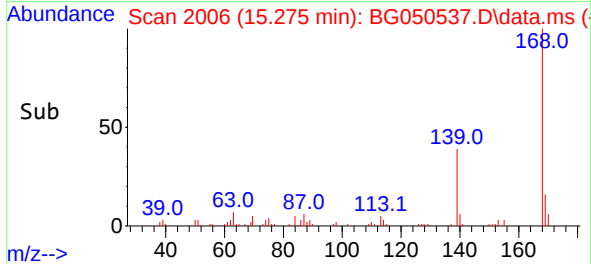




#55
Dibenzenofuran
Concen: 2.98 ng
RT: 15.275 min Scan# 2006
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



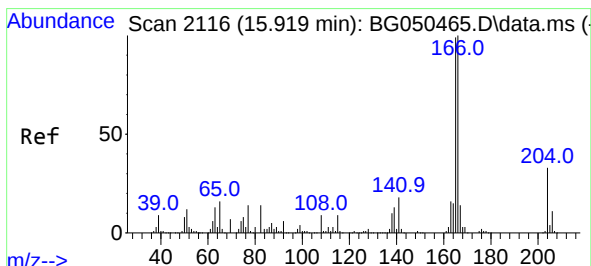
Tgt Ion:168 Resp: 45974
Ion Ratio Lower Upper
168 100
139 38.5 33.4 50.2
169 16.0 12.3 18.5



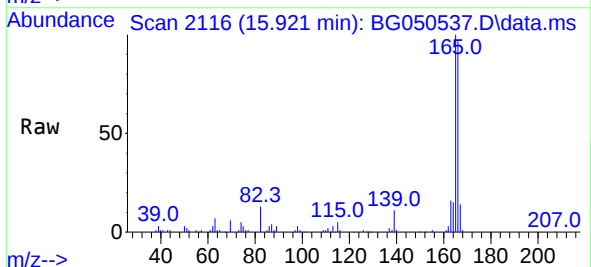
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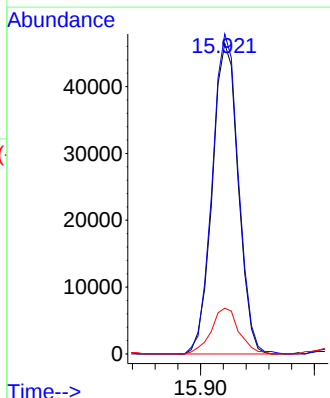
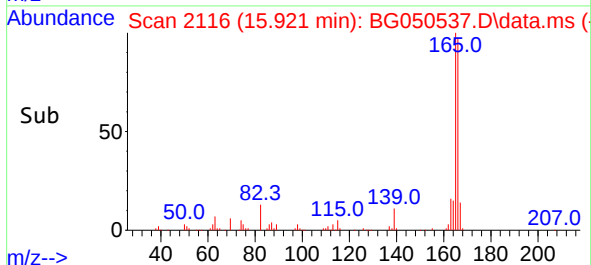
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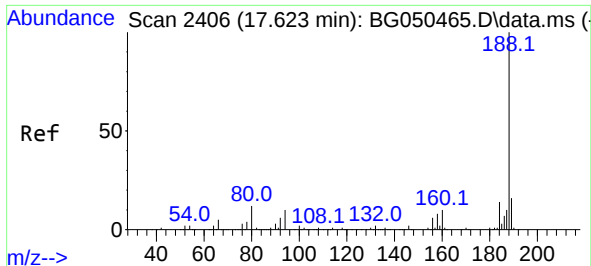


#58
Fluorene
Concen: 6.21 ng
RT: 15.921 min Scan# 2116
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



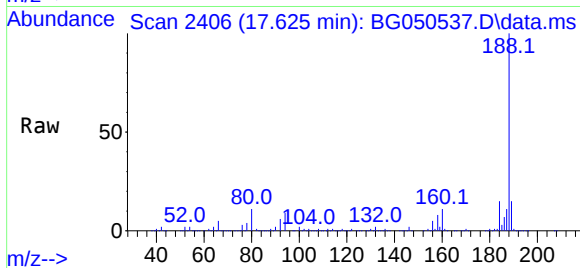
Tgt Ion:166 Resp: 73522
Ion Ratio Lower Upper
166 100
165 103.1 77.7 116.5
167 14.8 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.625 min Scan# 2406
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

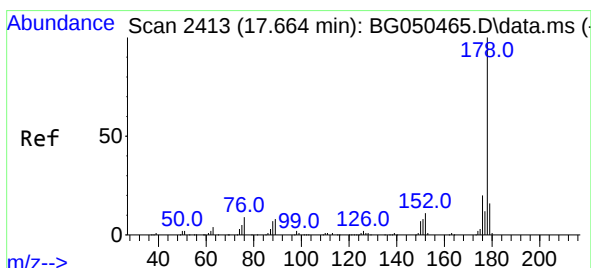
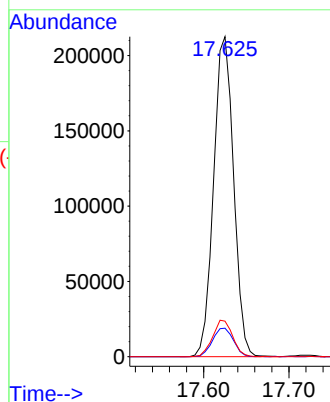
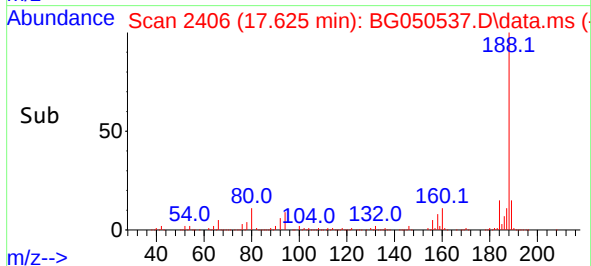
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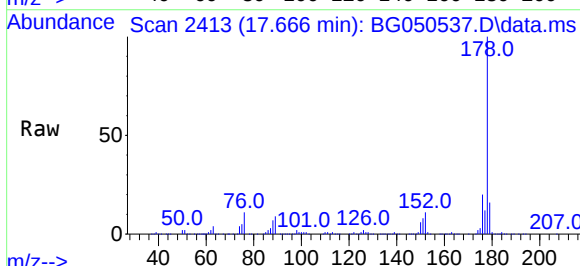
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Ion Ratio Lower Upper
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94 8.9 5.4 8.0#
80 11.1 3.7 5.5#

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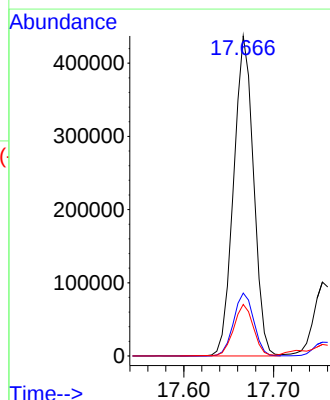
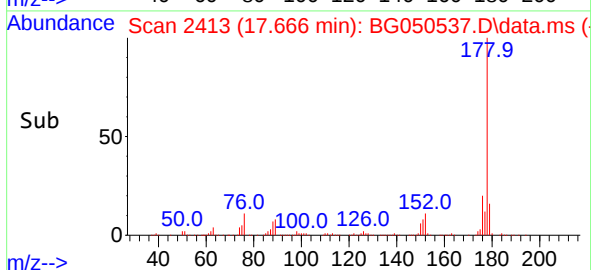
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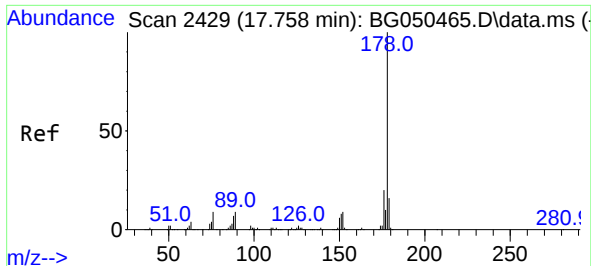


#71
Phenanthrene
Concen: 36.95 ng
RT: 17.666 min Scan# 2413
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



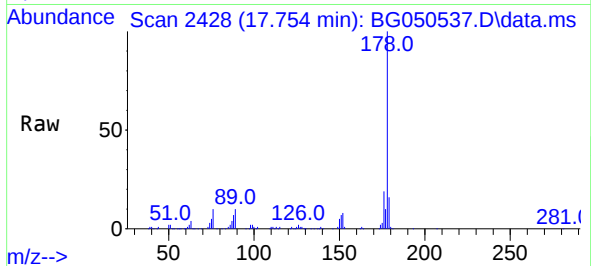
Tgt Ion:178 Resp: 673417
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.1 14.2 21.4





#72
 Anthracene
 Concen: 8.64 ng
 RT: 17.754 min Scan# 2428
 Delta R.T. -0.004 min
 Lab File: BG050537.D
 Acq: 11 Oct 2021 15:55

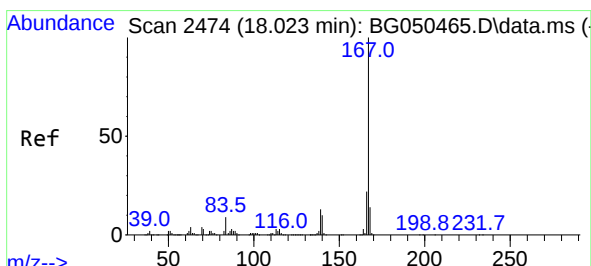
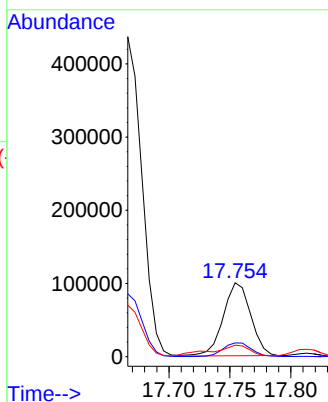
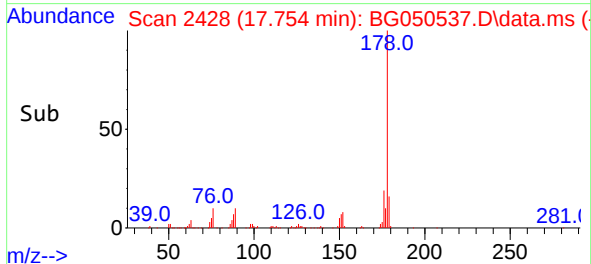
Instrument :
 BNA_G
 ClientSampleID :
 OK-01-100621DL



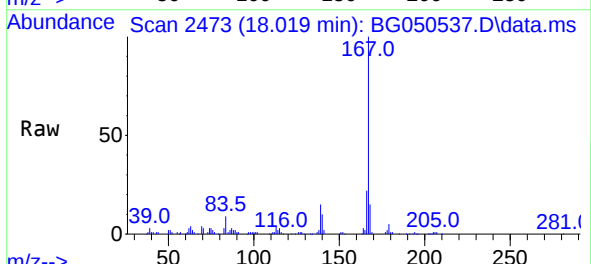
Tgt Ion:178 Resp: 156424
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 21.8
 179 15.6 13.4 20.0

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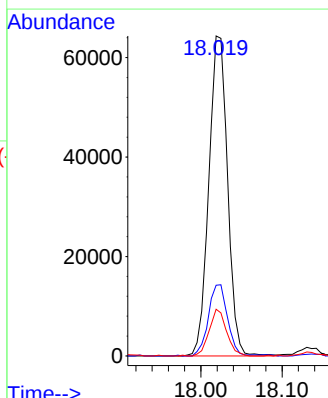
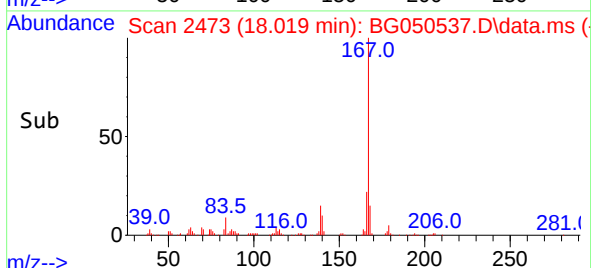
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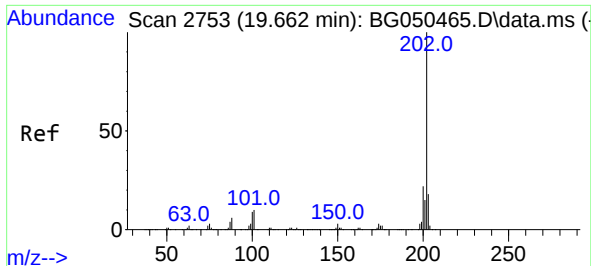


#73
 Carbazole
 Concen: 5.71 ng
 RT: 18.019 min Scan# 2473
 Delta R.T. -0.004 min
 Lab File: BG050537.D
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Tgt Ion:167 Resp: 103139
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 14.6 10.7 16.1





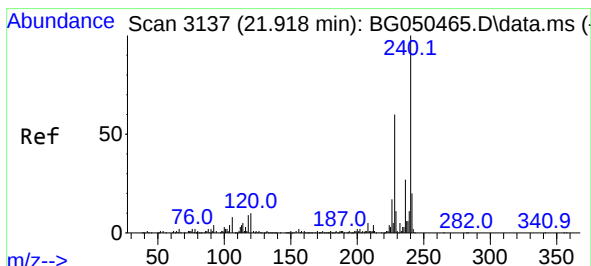
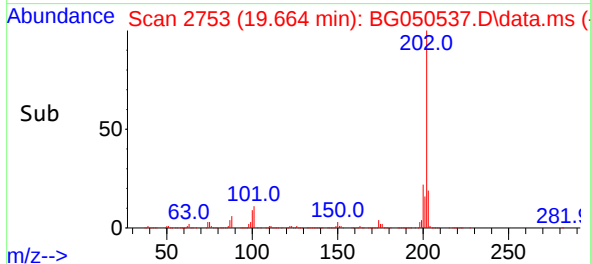
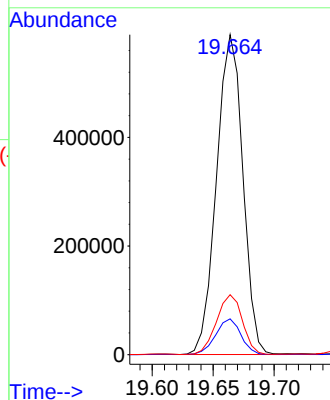
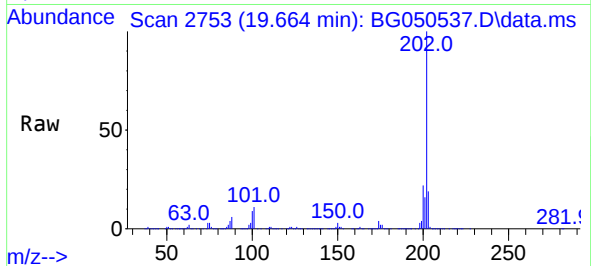
#75
Fluoranthene
Concen: 39.50 ng
RT: 19.664 min Scan# 2753
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:202 Resp: 885020
Ion Ratio Lower Upper
202 100
101 11.2 0.0 24.7
203 18.8 0.0 38.5

Instrument :
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ClientSampleId :
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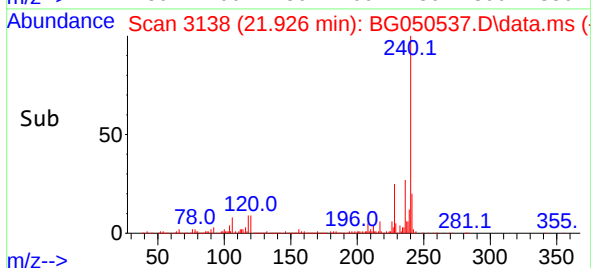
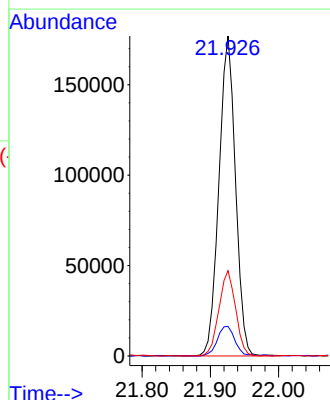
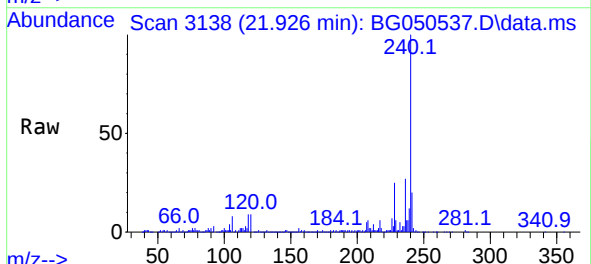
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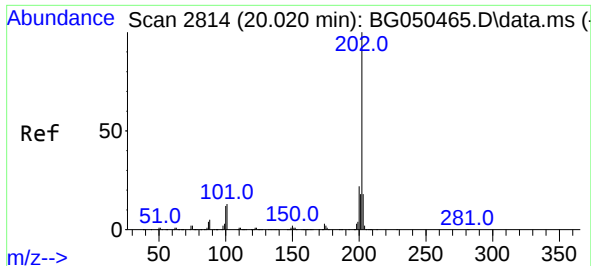
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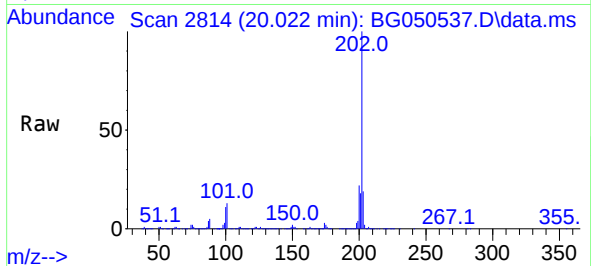
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.926 min Scan# 3138
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:240 Resp: 298859
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 26.7 21.8 32.6

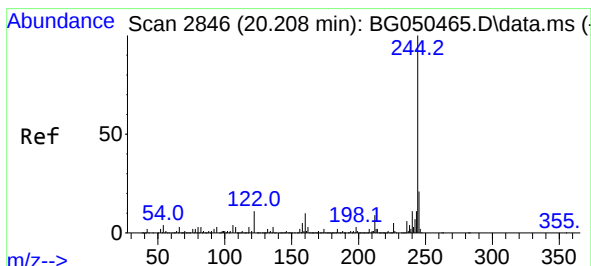
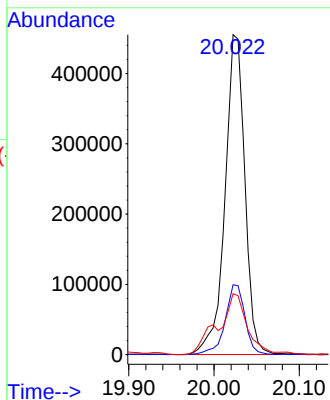
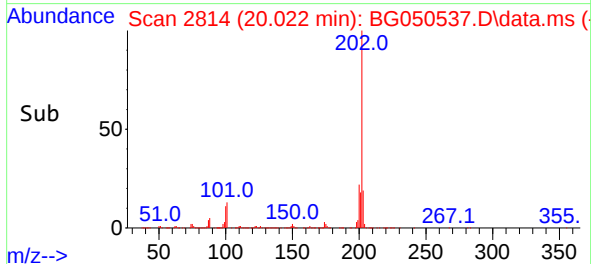




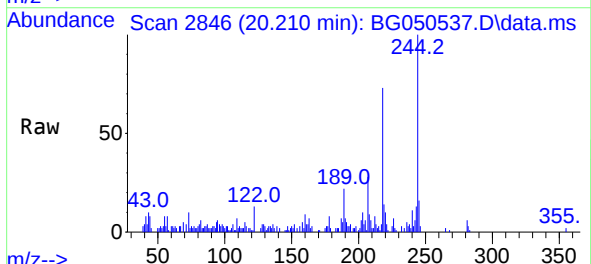
#78
Pyrene
Concen: 34.77 ng
RT: 20.022 min Scan# 2814
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



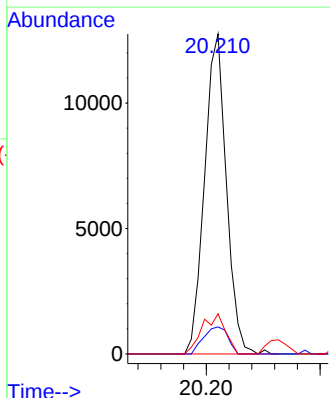
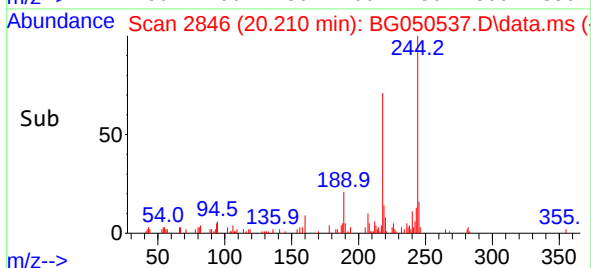
Tgt Ion:202 Resp: 737354
Ion Ratio Lower Upper
202 100
200 21.9 15.8 23.8
203 19.1 14.6 21.8



#79
Terphenyl-d14
Concen: 1.11 ng
RT: 20.210 min Scan# 2846
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



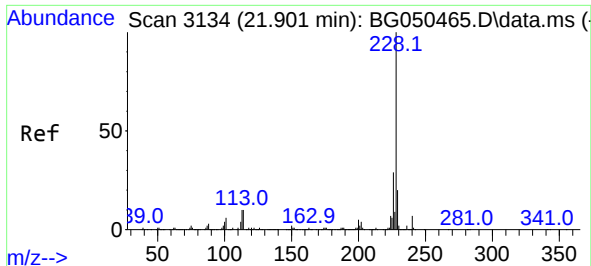
Tgt Ion:244 Resp: 16987
Ion Ratio Lower Upper
244 100
212 8.4 6.9 10.3
122 12.5 5.0 7.6#



Instrument :
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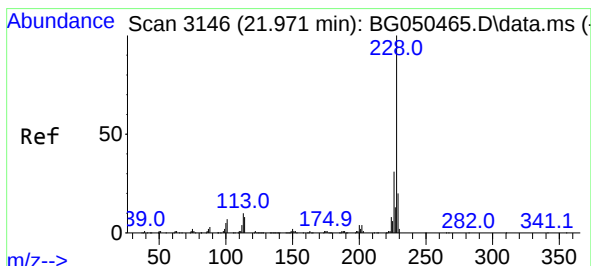
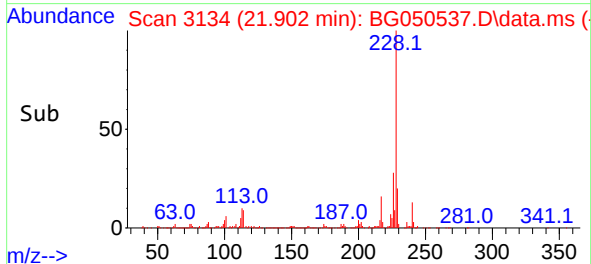
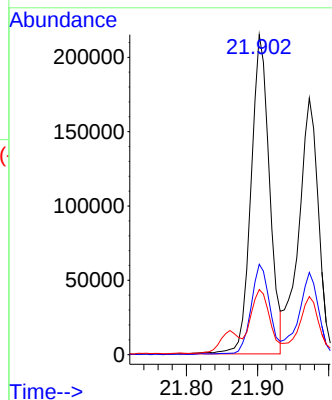
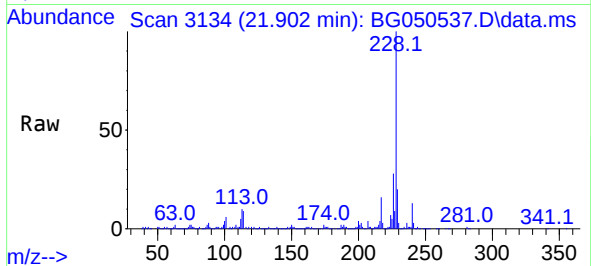
#81
Benzo(a)anthracene
Concen: 19.62 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:228 Resp: 387930
Ion Ratio Lower Upper
228 100
226 28.3 22.7 34.1
229 20.3 16.0 24.0

Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

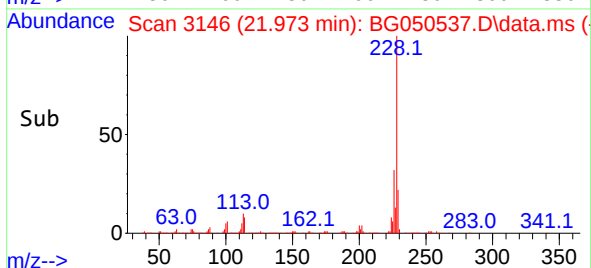
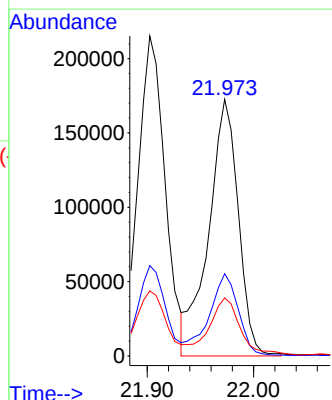
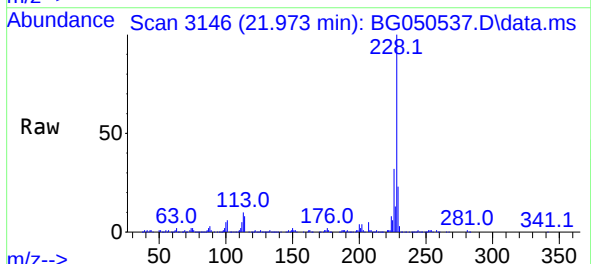
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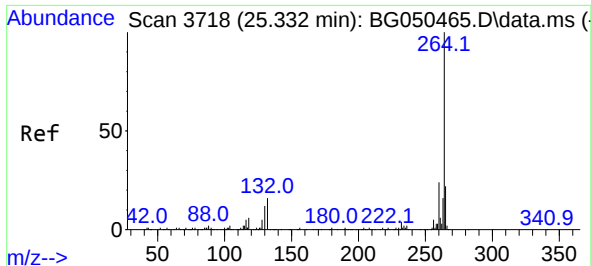
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#83
Chrysene
Concen: 18.02 ng m
RT: 21.973 min Scan# 3146
Delta R.T. 0.002 min
Lab File: BG050537.D
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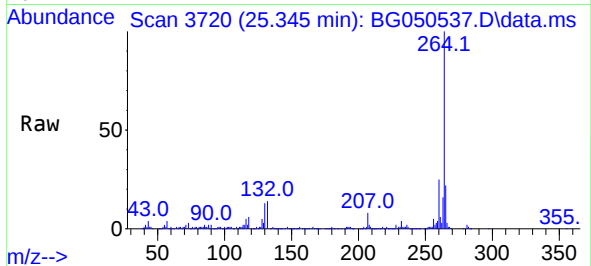
Tgt Ion:228 Resp: 335174
Ion Ratio Lower Upper
228 100
226 32.0 23.1 34.7
229 22.6 15.3 22.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.345 min Scan# 3720
Delta R.T. 0.014 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Instrument :
BNA_G
ClientSampleId :
OK-01-100621DL

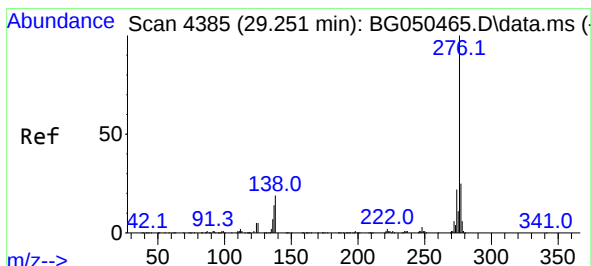
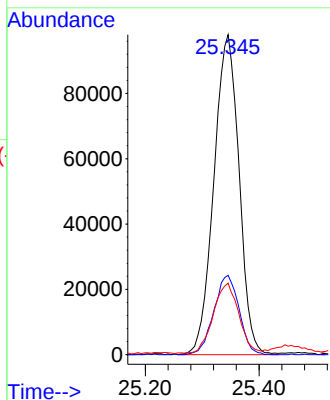
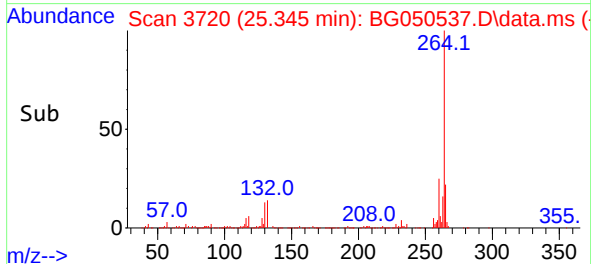


Tgt Ion:264 Resp: 301183

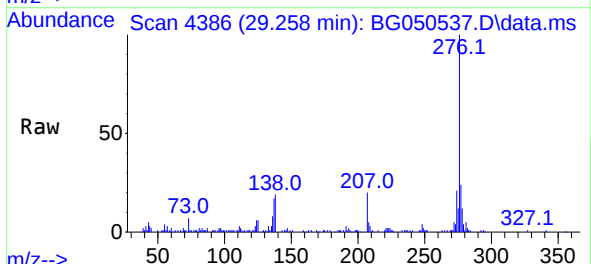
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.4	16.9	25.3

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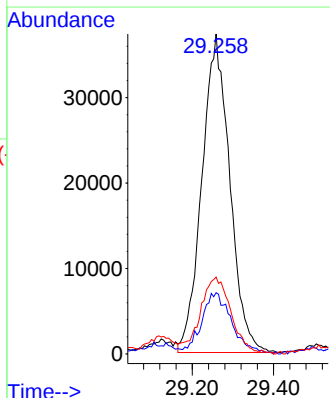
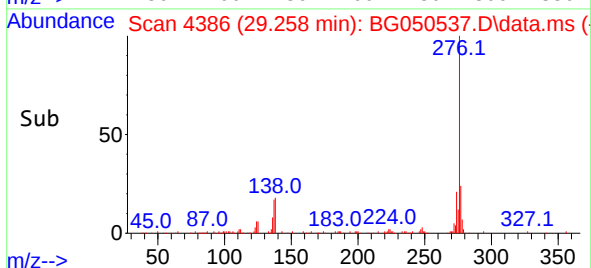


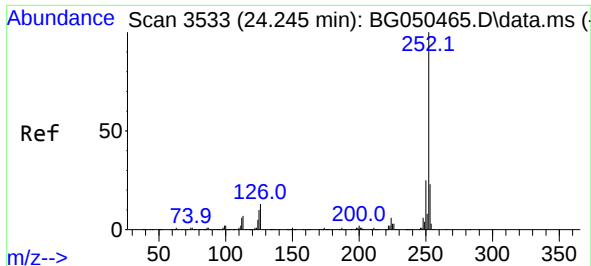
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.45 ng
RT: 29.258 min Scan# 4386
Delta R.T. 0.008 min
Lab File: BG050537.D
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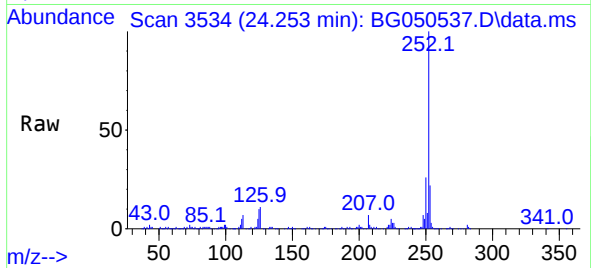
Tgt Ion:276 Resp: 177307

Ion	Ratio	Lower	Upper
276	100		
138	20.9	5.1	7.7#
277	24.9	19.8	29.6

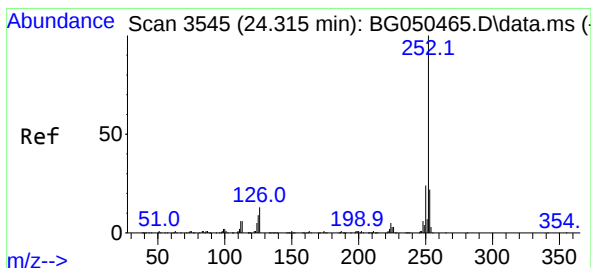
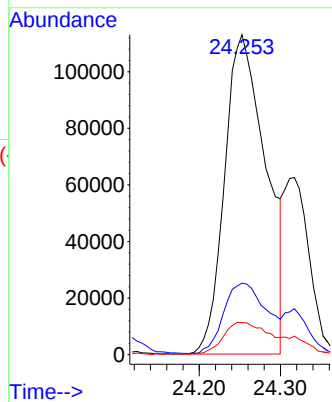
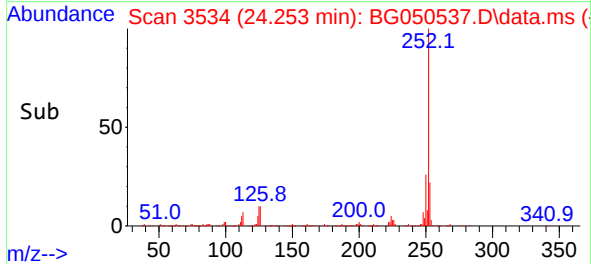




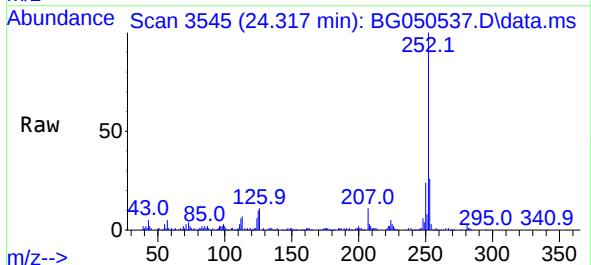
#88
Benzo(b)fluoranthene
Concen: 21.60 ng
RT: 24.253 min Scan# 3534
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



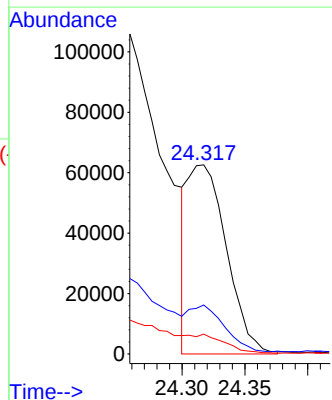
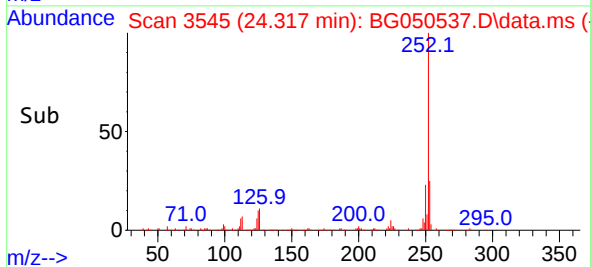
Tgt Ion:252 Resp: 398364
Ion Ratio Lower Upper
252 100
253 22.4 16.2 24.4
125 10.0 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 7.40 ng m
RT: 24.317 min Scan# 3545
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55



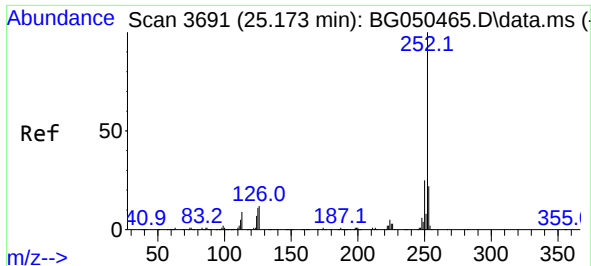
Tgt Ion:252 Resp: 134274
Ion Ratio Lower Upper
252 100
253 25.9 18.0 27.0
125 10.5 3.1 4.7#



Instrument :
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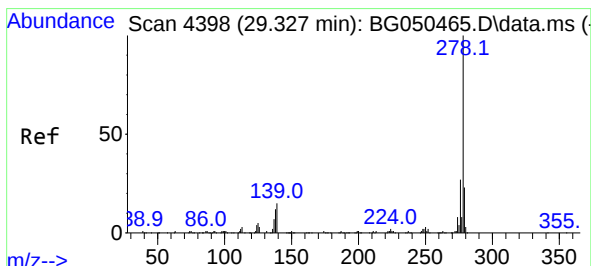
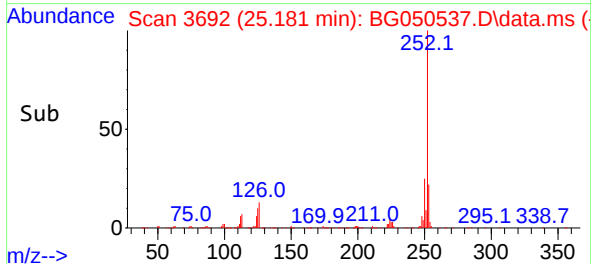
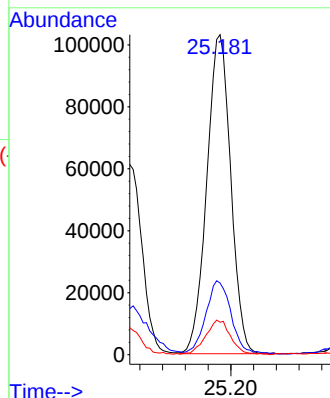
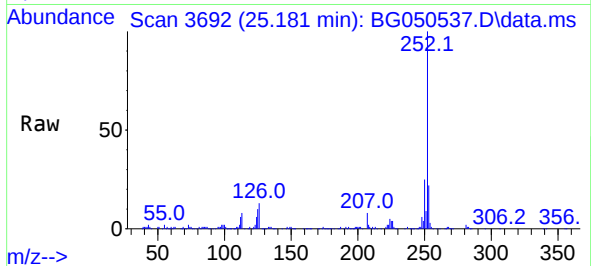
#90
Benzo(a)pyrene
Concen: 19.17 ng
RT: 25.181 min Scan# 3692
Delta R.T. 0.008 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Tgt Ion:252 Resp: 300710
Ion Ratio Lower Upper
252 100
253 22.4 16.6 25.0
125 10.2 3.5 5.3#

Instrument :
BNA_G
ClientSampleId :
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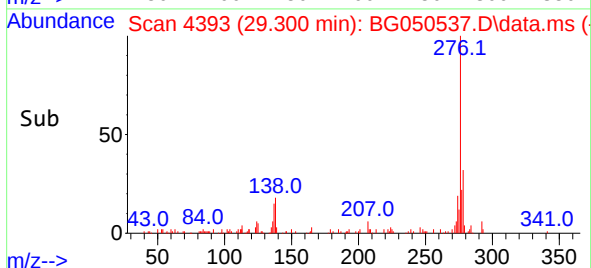
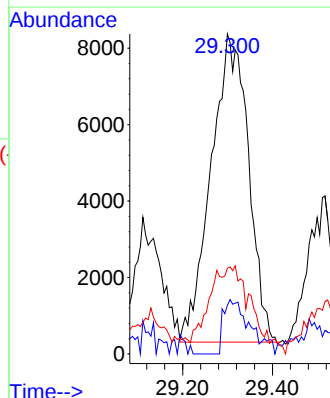
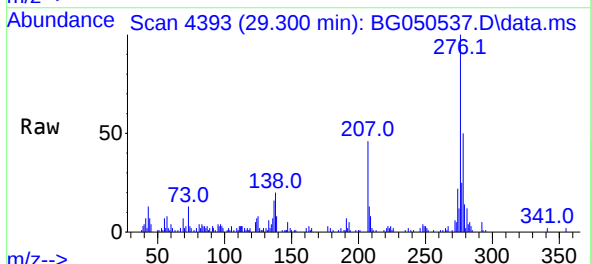
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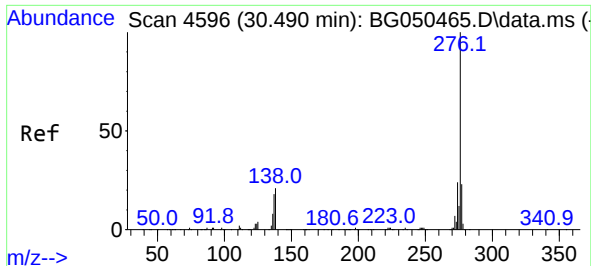
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#91
Dibenzo(a,h)anthracene
Concen: 2.69 ng
RT: 29.300 min Scan# 4393
Delta R.T. -0.027 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

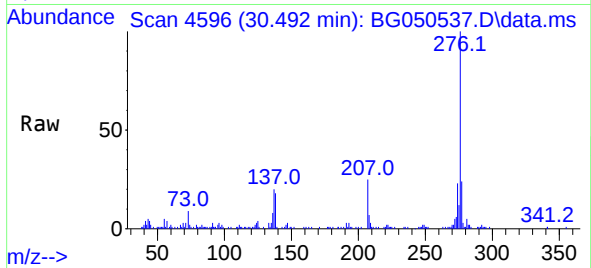
Tgt Ion:278 Resp: 46635
Ion Ratio Lower Upper
278 100
139 15.2 4.6 6.8#
279 26.8 17.9 26.9





#92
Benzo(g,h,i)perylene
Concen: 9.63 ng
RT: 30.492 min Scan# 4596
Delta R.T. 0.002 min
Lab File: BG050537.D
Acq: 11 Oct 2021 15:55

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:276 Resp: 163582
Ion Ratio Lower Upper
276 100
277 23.9 18.4 27.6
138 17.9 7.0 10.6#

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