

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
 Data File : BG050516.D
 Acq On : 8 Oct 2021 19:39
 Operator : CG/JU
 Sample : M4117-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-5(3.0-3.5)

Quant Time: Oct 09 01:27:03 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)

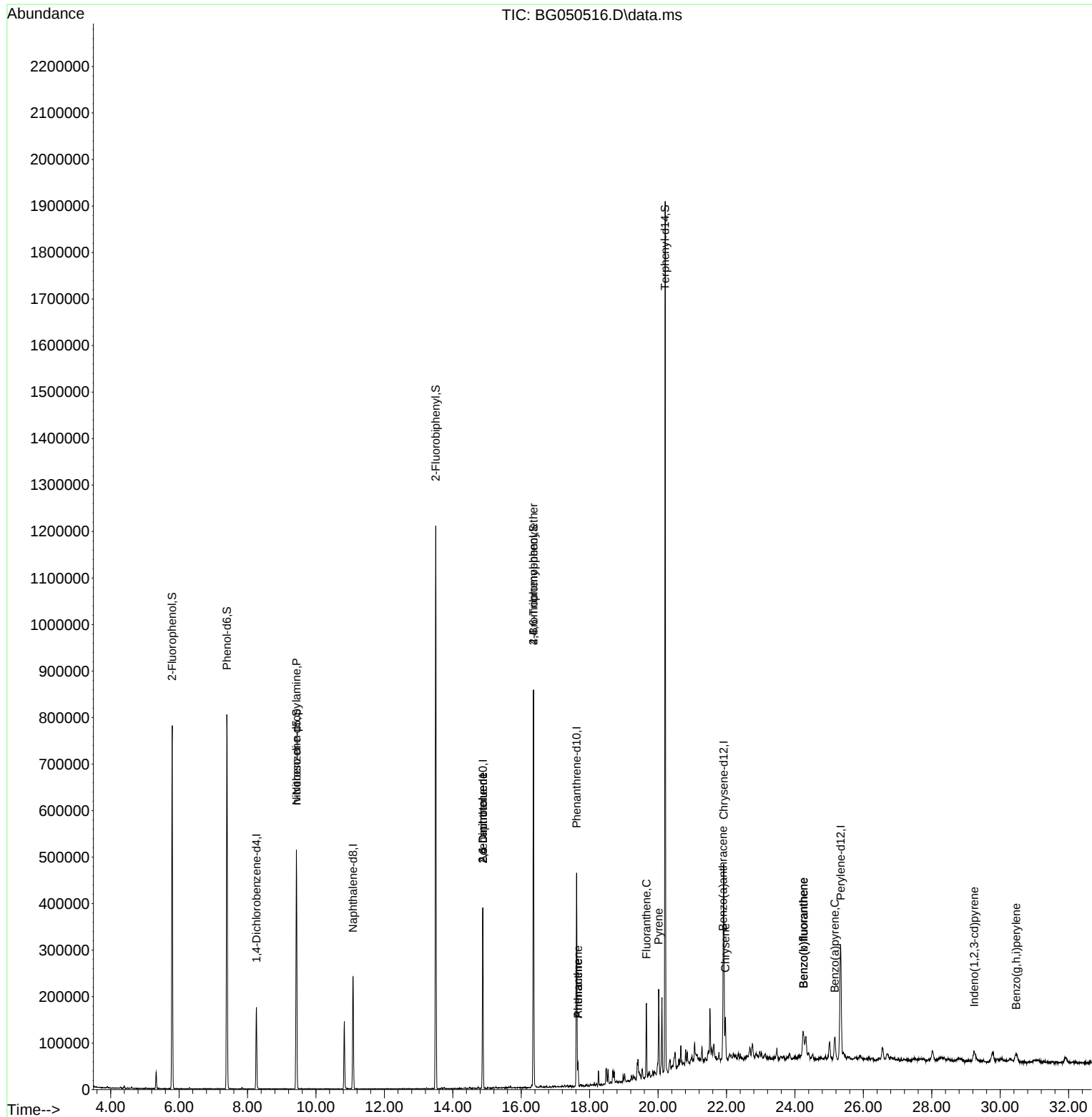
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.261	152	46344	20.000	ng	0.00
21) Naphthalene-d8	11.081	136	197633	20.000	ng	# 0.00
39) Acenaphthene-d10	14.877	164	134540	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	280558	20.000	ng	# 0.00
76) Chrysene-d12	21.916	240	247287	20.000	ng	# 0.00
86) Perylene-d12	25.335	264	243655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	316733	102.211	ng	0.00
7) Phenol-d6	7.398	99	448992	100.075	ng	0.00
23) Nitrobenzene-d5	9.430	82	329784	69.076	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	118383	92.251	ng	0.00
45) 2-Fluorobiphenyl	13.502	172	583193	65.239	ng	0.00
79) Terphenyl-d14	20.206	244	819334	64.570	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.403	77	1131	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.430	70	46131	14.107	ng	# 73
51) 2,6-Dinitrotoluene	14.877	165	17099	8.395	ng	# 12
57) 2,4-Dinitrotoluene	14.877	165	17099	5.956	ng	# 18
67) 4-Bromophenyl-phenylether	16.358	248	9766	3.454	ng	# 1
71) Phenanthrene	17.662	178	31407	2.124	ng	95
72) Anthracene	17.662	178	31407	2.138	ng	97
75) Fluoranthene	19.660	202	96753	5.324	ng	97
78) Pyrene	20.018	202	111420	6.351	ng	98
81) Benzo(a)anthracene	21.898	228	57703	3.526	ng	96
83) Chrysene	21.969	228	63592	4.132	ng	96
87) Indeno(1,2,3-cd)pyrene	29.243	276	34788	2.050	ng	# 73
88) Benzo(b)fluoranthene	24.248	252	72863	4.883	ng	# 94
89) Benzo(k)fluoranthene	24.248	252	72863	4.963	ng	# 97
90) Benzo(a)pyrene	25.165	252	54109	4.265	ng	# 94
92) Benzo(g,h,i)perylene	30.470	276	33723	2.453	ng	# 89

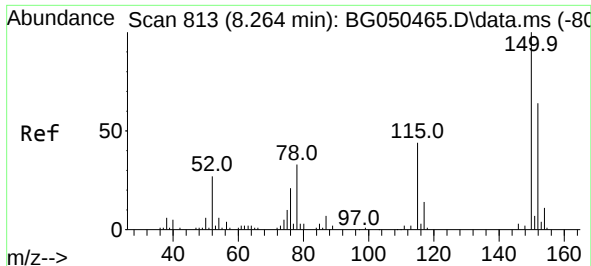
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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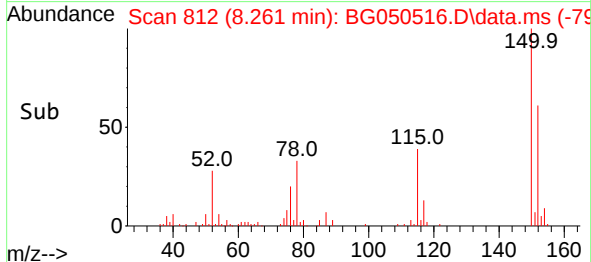
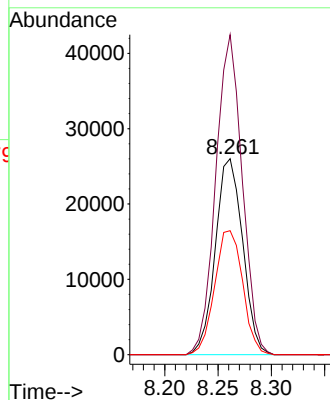
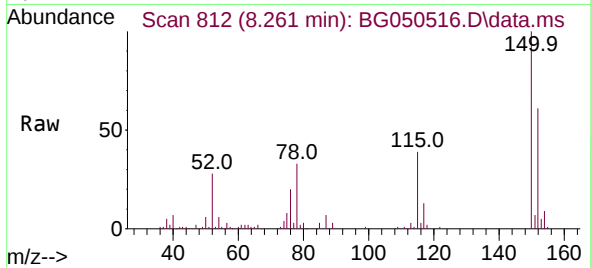




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.261 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

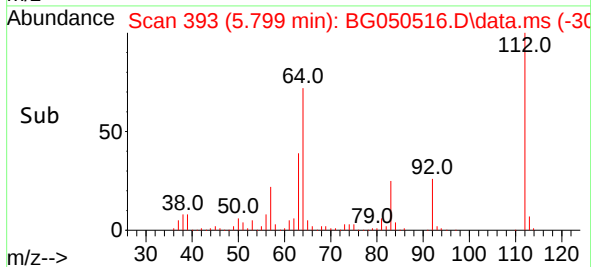
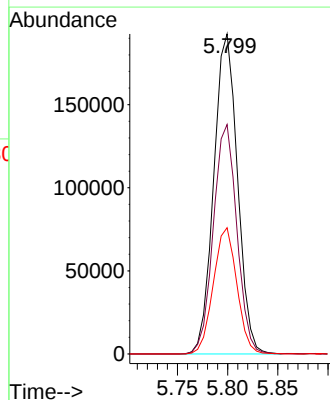
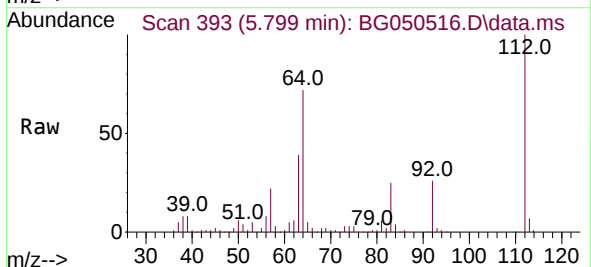
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

Tgt Ion:152 Resp: 46344
Ion Ratio Lower Upper
152 100
150 163.2 119.4 179.0
115 63.3 60.2 90.4



#5
2-Fluorophenol
Concen: 102.211 ng
RT: 5.799 min Scan# 393
Delta R.T. 0.009 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:112 Resp: 316733
Ion Ratio Lower Upper
112 100
64 71.7 46.7 70.1#
63 39.5 35.3 52.9

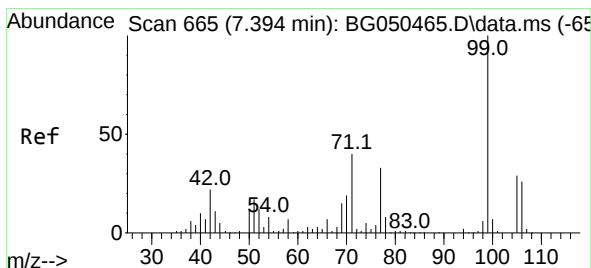
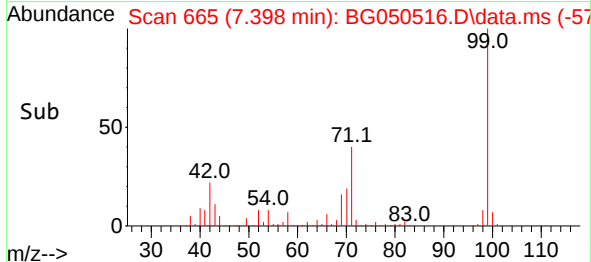
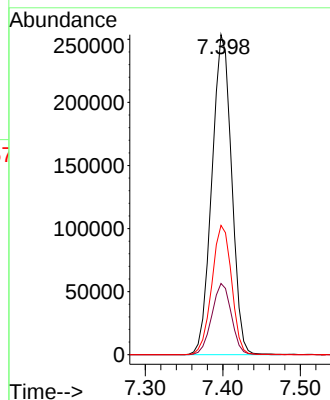
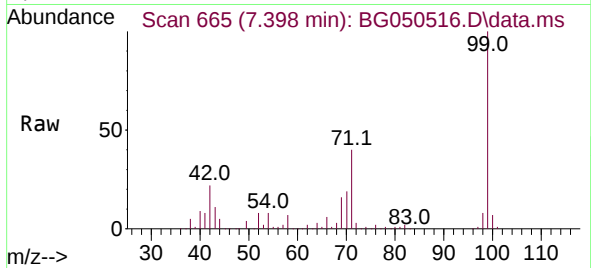




#7
Phenol-d6
Concen: 100.075 ng
RT: 7.398 min Scan# 665
Delta R.T. 0.004 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

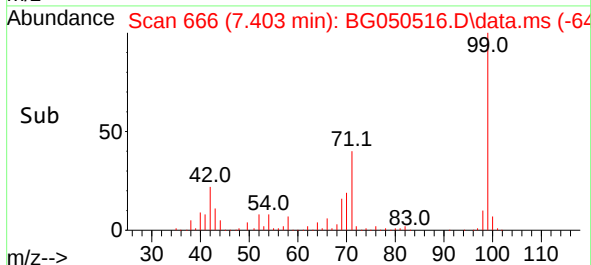
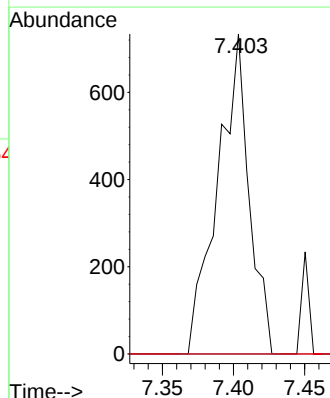
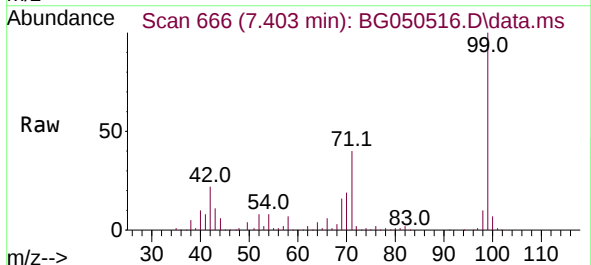
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

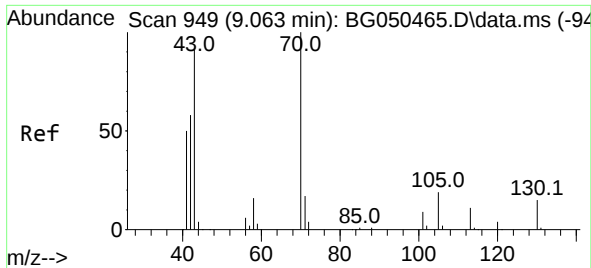
Tgt Ion: 99 Resp: 448992
Ion Ratio Lower Upper
99 100
42 22.3 20.5 30.7
71 40.4 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.403 min Scan# 666
Delta R.T. 0.009 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion: 77 Resp: 1131
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

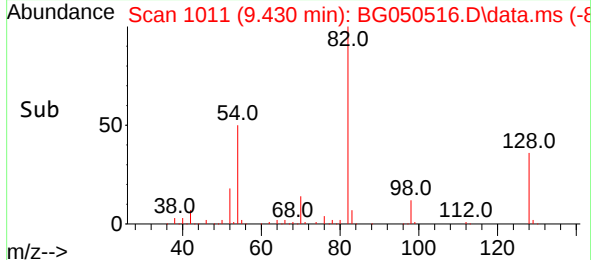
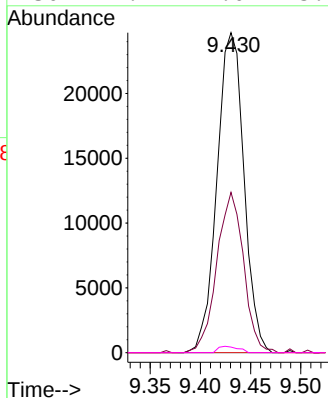
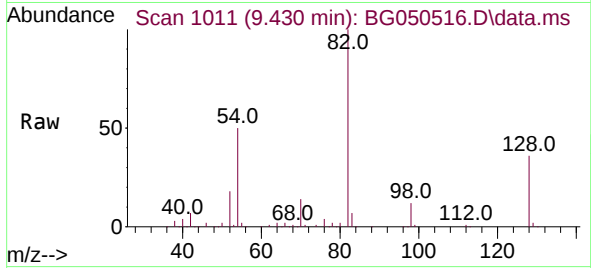




#19
n-Nitroso-di-n-propylamine
Concen: 14.107 ng
RT: 9.430 min Scan# 1011
Delta R.T. 0.368 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

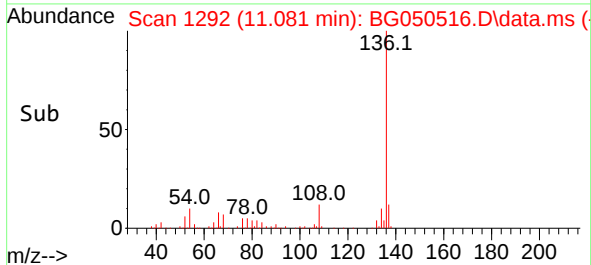
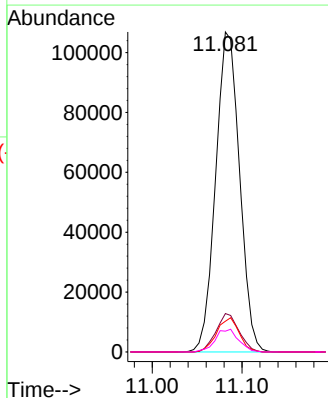
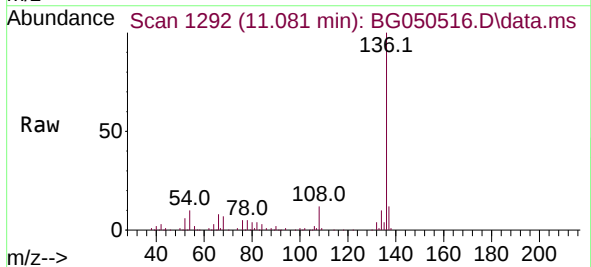
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

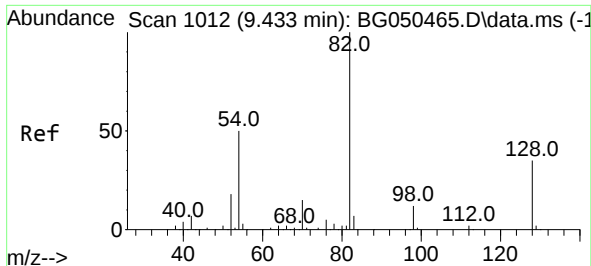
Tgt Ion: 70 Resp: 46131
Ion Ratio Lower Upper
70 100
42 50.1 54.5 81.7#
101 0.0 9.0 13.6#
130 1.7 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.081 min Scan# 1292
Delta R.T. -0.008 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion: 136 Resp: 197633
Ion Ratio Lower Upper
136 100
137 12.0 8.2 12.2
54 9.6 5.5 8.3#
68 6.5 2.3 3.5#

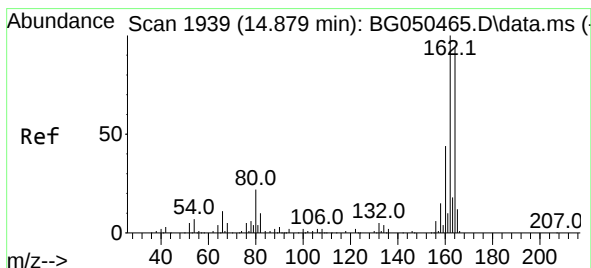
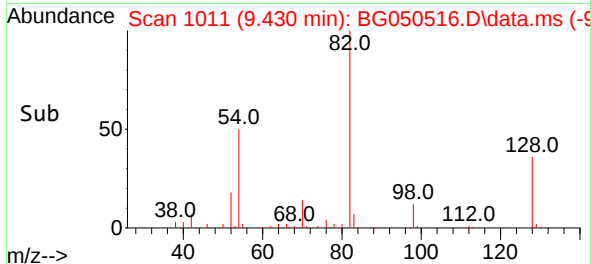
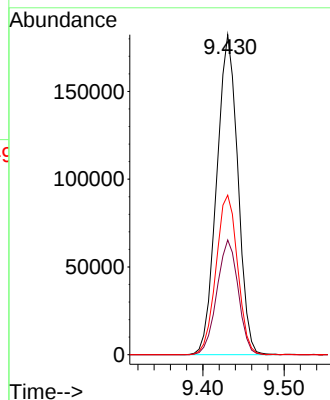
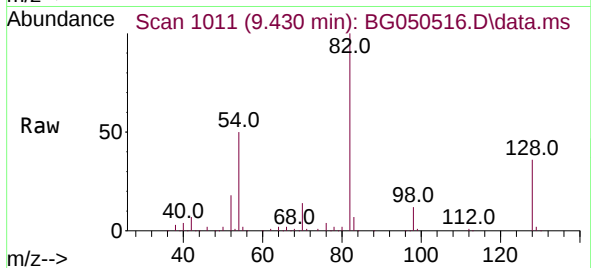




#23
Nitrobenzene-d5
Concen: 69.076 ng
RT: 9.430 min Scan# 1011
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

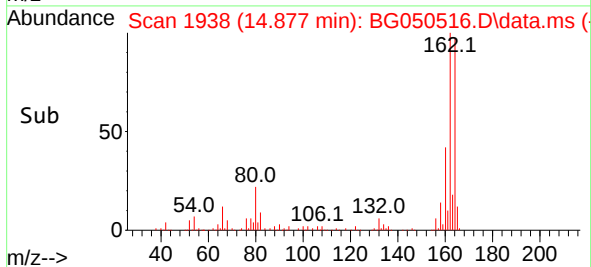
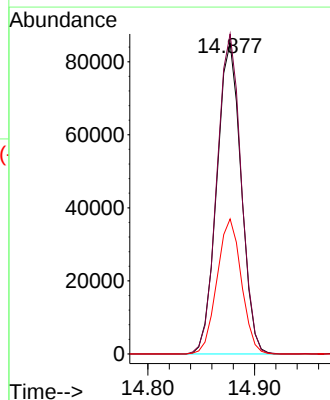
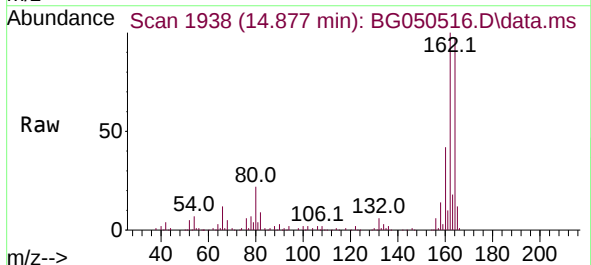
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

Tgt Ion: 82 Resp: 329784
Ion Ratio Lower Upper
82 100
128 35.8 29.8 44.6
54 49.9 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.877 min Scan# 1938
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

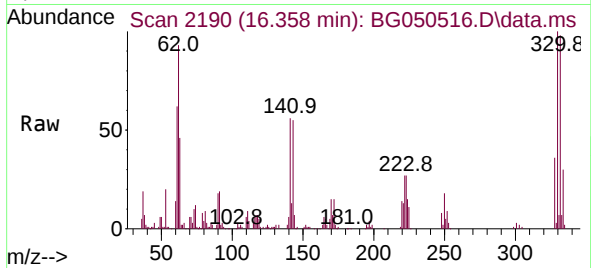
Tgt Ion:164 Resp: 134540
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.0
160 43.4 34.9 52.3



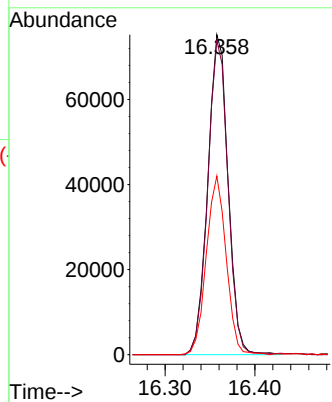
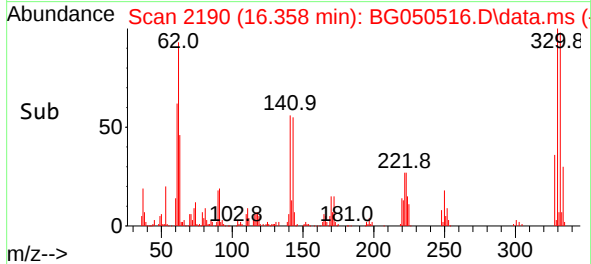


#42
2,4,6-Tribromophenol
Concen: 92.251 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

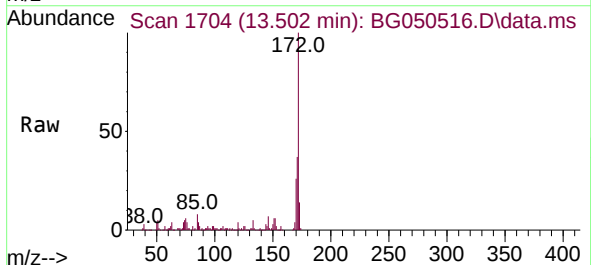
Instrument :
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ClientSampleId :
SB-5(3.0-3.5)



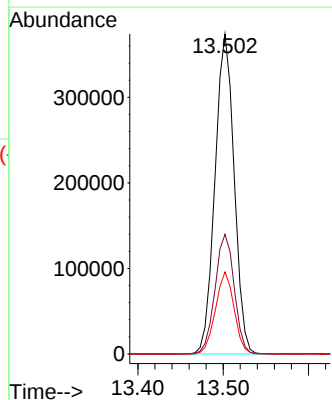
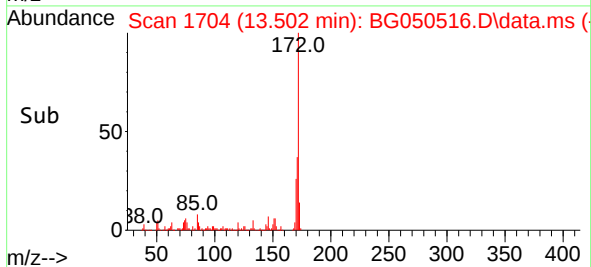
Tgt Ion:330 Resp: 118383
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 54.5 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 65.239 ng
RT: 13.502 min Scan# 1704
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39



Tgt Ion:172 Resp: 583193
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 25.6 18.6 27.8

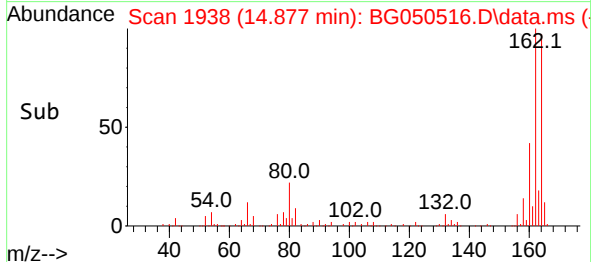
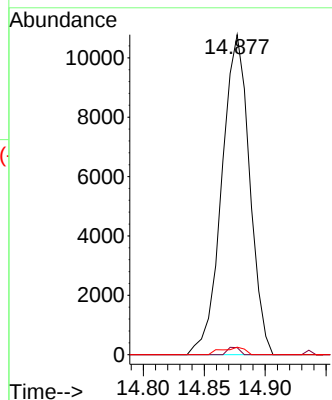
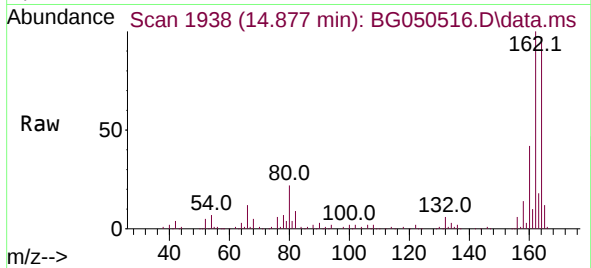




#51
2,6-Dinitrotoluene
Concen: 8.395 ng
RT: 14.877 min Scan# 1938
Delta R.T. 0.432 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

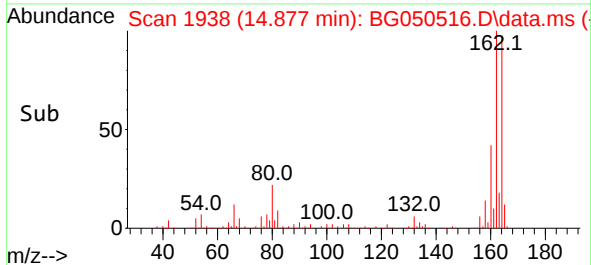
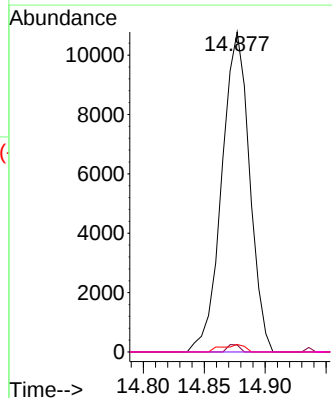
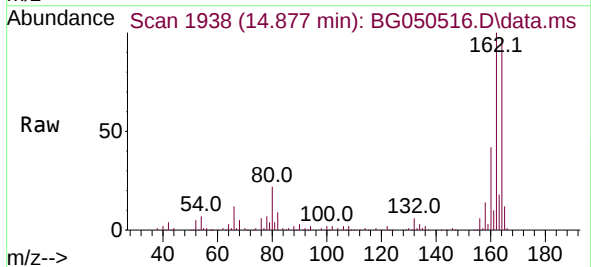
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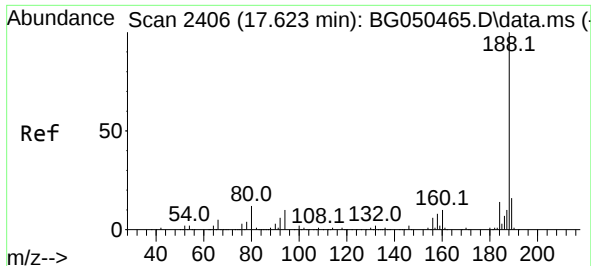
Tgt Ion:165 Resp: 17099
Ion Ratio Lower Upper
165 100
63 2.2 63.3 94.9#
89 2.3 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.956 ng
RT: 14.877 min Scan# 1938
Delta R.T. -0.349 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:165 Resp: 17099
Ion Ratio Lower Upper
165 100
63 2.2 48.0 72.0#
89 2.3 65.4 98.0#
182 0.0 2.0 3.0#

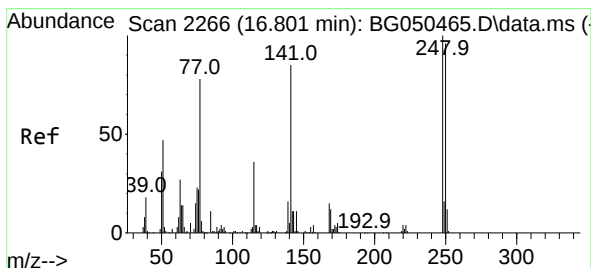
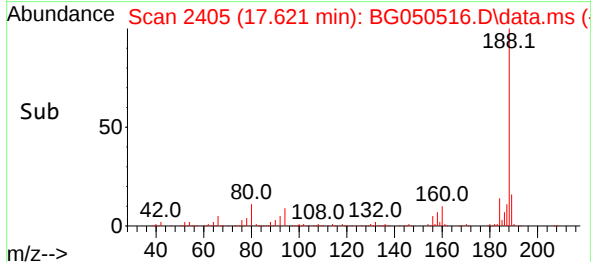
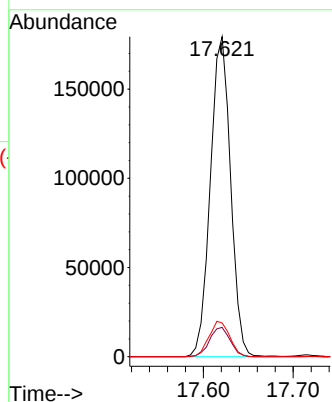
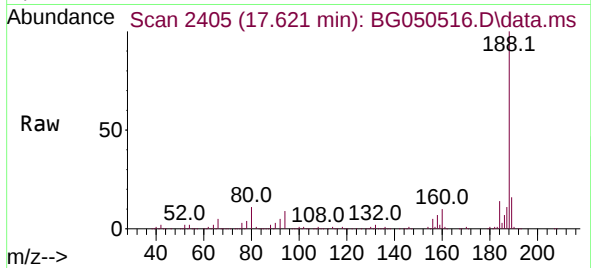




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.621 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

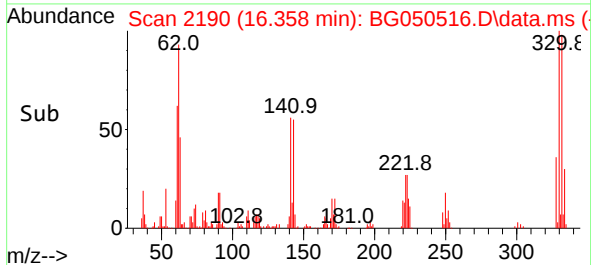
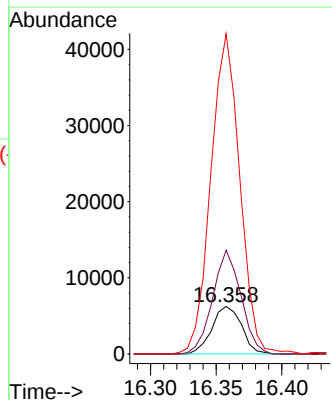
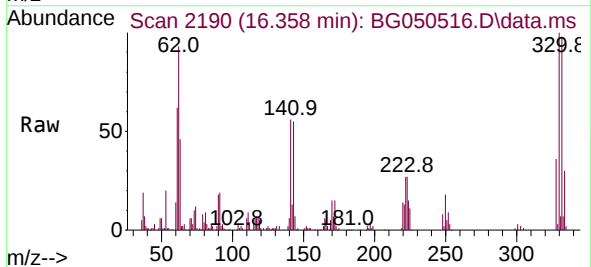
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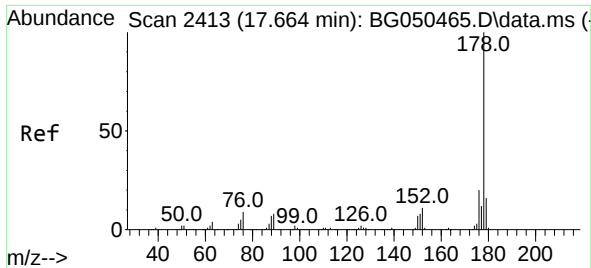
Tgt Ion:188 Resp: 280558
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 10.5 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.454 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.443 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:248 Resp: 9766
Ion Ratio Lower Upper
248 100
250 218.2 76.1 114.1#
141 673.9 65.4 98.2#

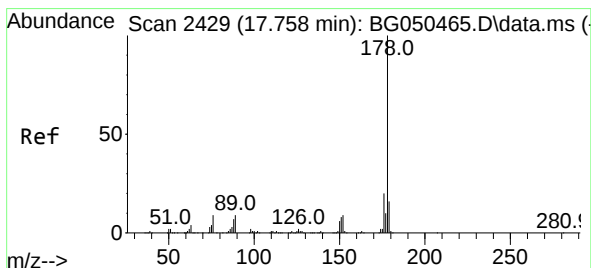
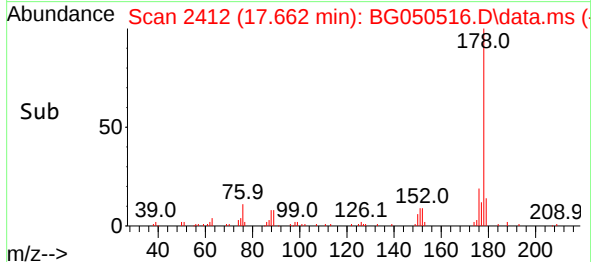
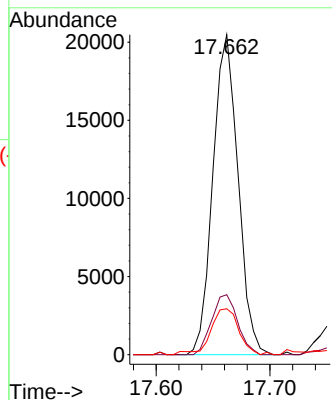
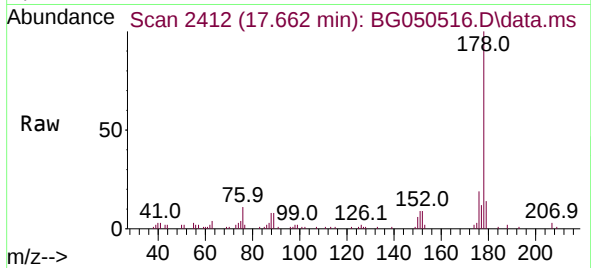




#71
Phenanthrene
Concen: 2.124 ng
RT: 17.662 min Scan# 2412
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

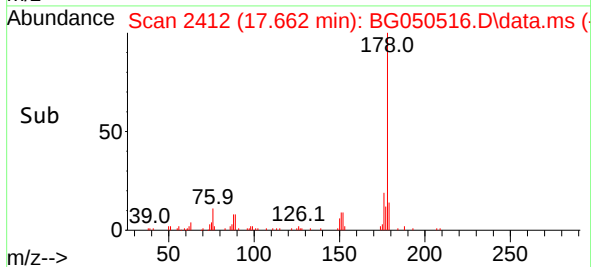
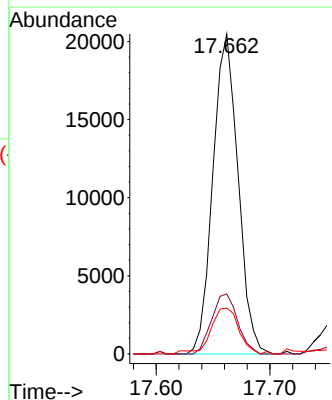
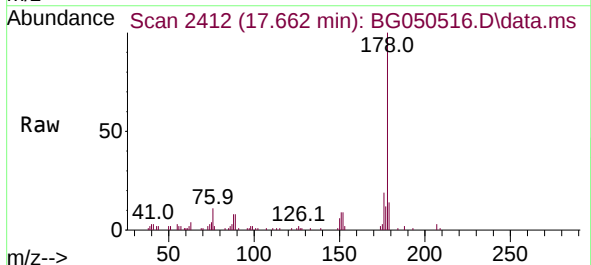
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

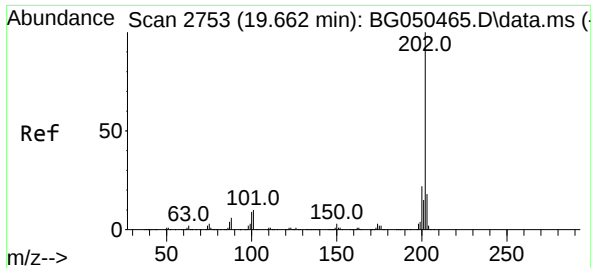
Tgt Ion:178 Resp: 31407
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 14.4 14.2 21.4



#72
Anthracene
Concen: 2.138 ng
RT: 17.662 min Scan# 2412
Delta R.T. -0.096 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:178 Resp: 31407
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 14.4 13.4 20.0

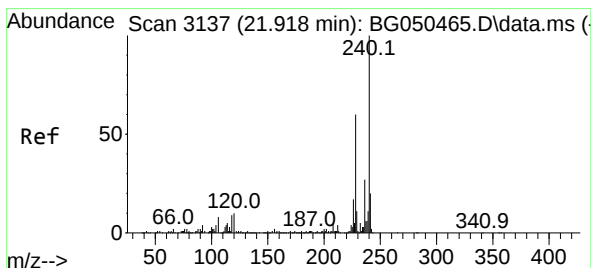
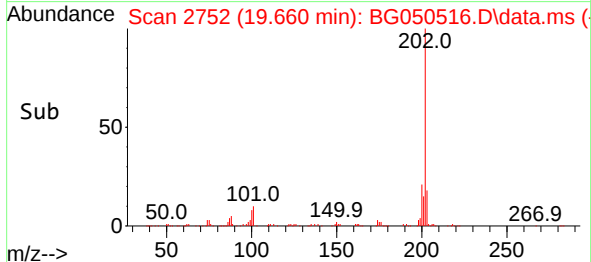
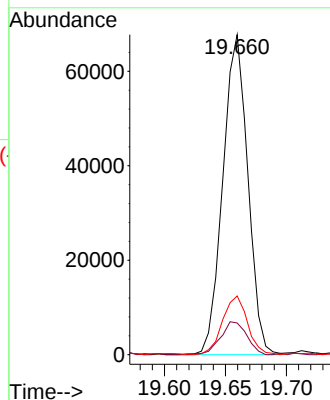
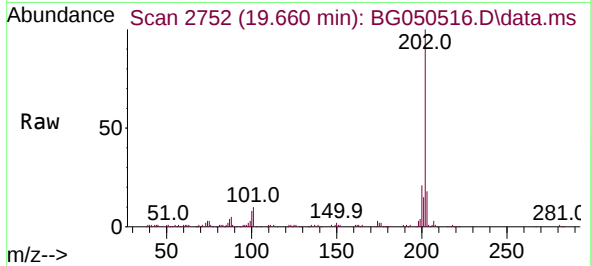




#75
Fluoranthene
Concen: 5.324 ng
RT: 19.660 min Scan# 2752
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

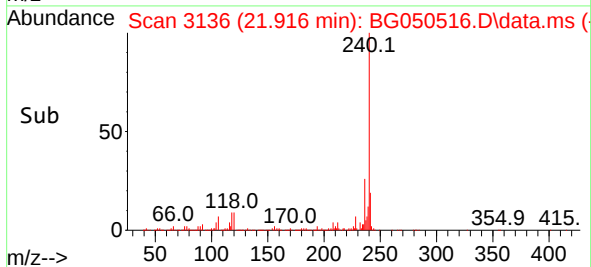
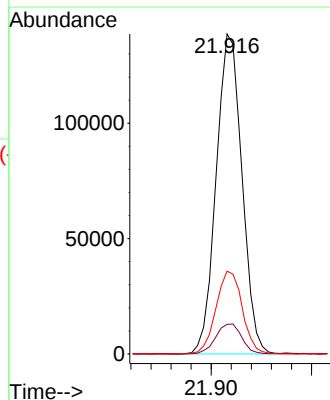
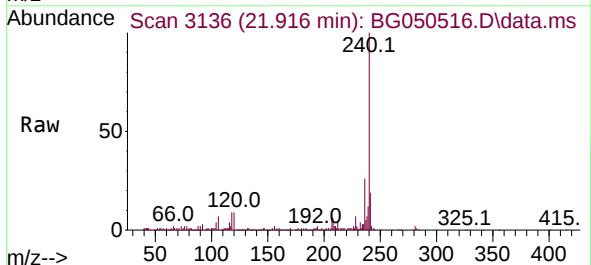
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

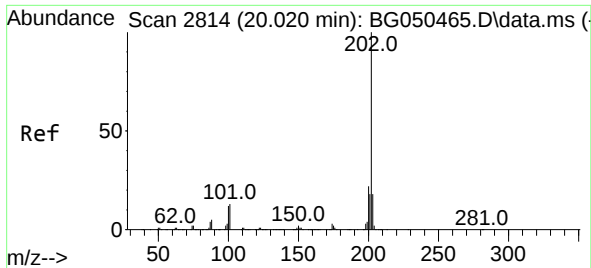
Tgt Ion:	202	Resp:	96753
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	24.7
203	18.4	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.916 min Scan# 3136
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:	240	Resp:	247287
Ion Ratio	Lower	Upper	
240	100		
120	9.3	4.2	6.2#
236	25.9	21.8	32.6

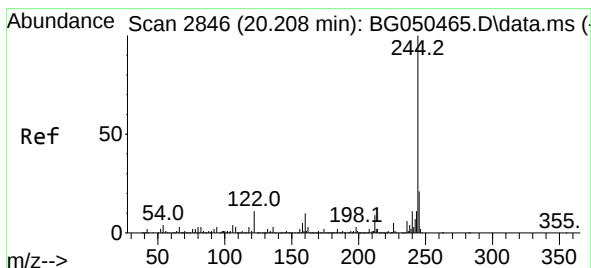
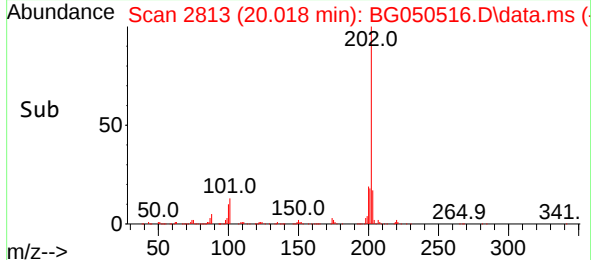
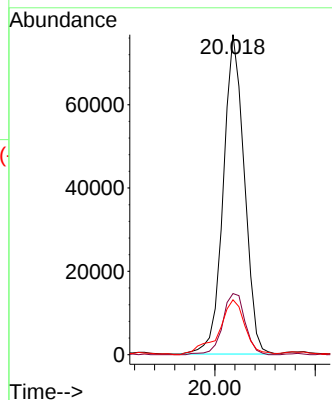
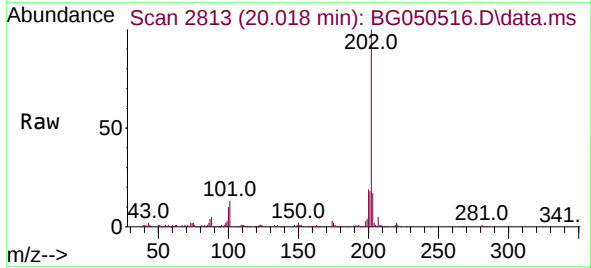




#78
Pyrene
Concen: 6.351 ng
RT: 20.018 min Scan# 2813
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

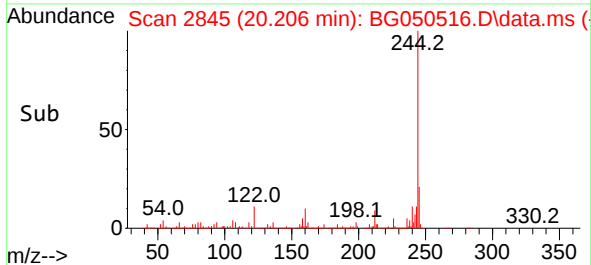
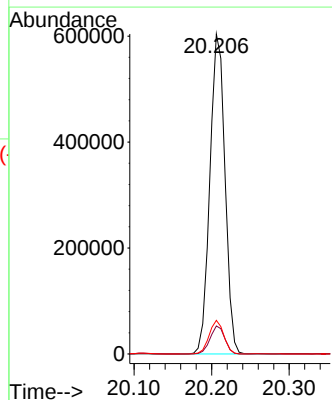
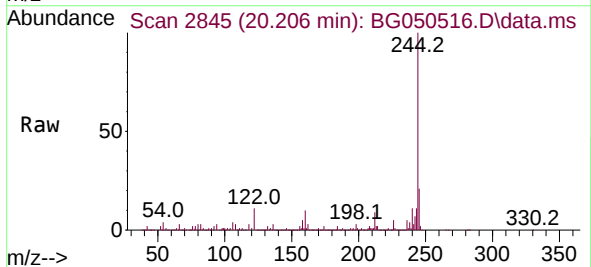
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

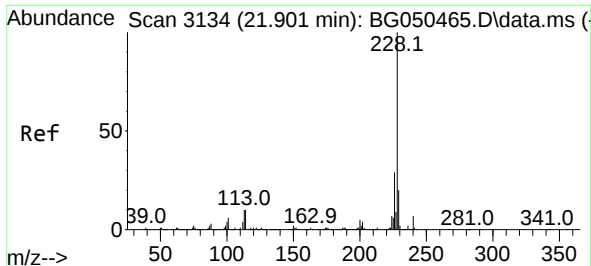
Tgt Ion:202 Resp: 111420
Ion Ratio Lower Upper
202 100
200 19.1 15.8 23.8
203 17.2 14.6 21.8



#79
Terphenyl-d14
Concen: 64.570 ng
RT: 20.206 min Scan# 2845
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:244 Resp: 819334
Ion Ratio Lower Upper
244 100
212 8.8 6.9 10.3
122 10.5 5.0 7.6#

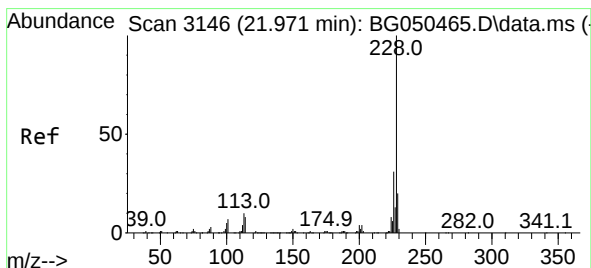
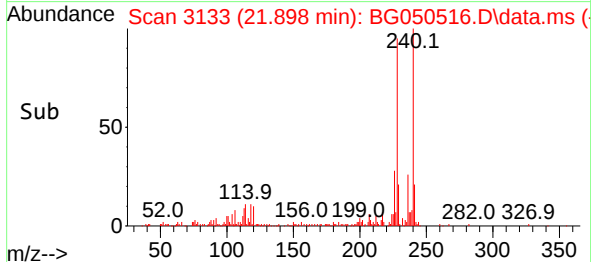
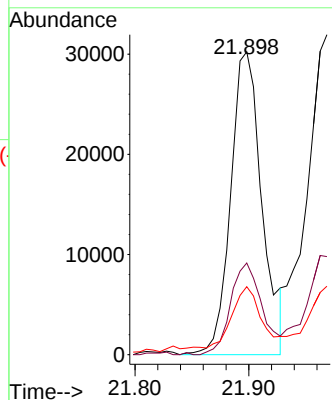
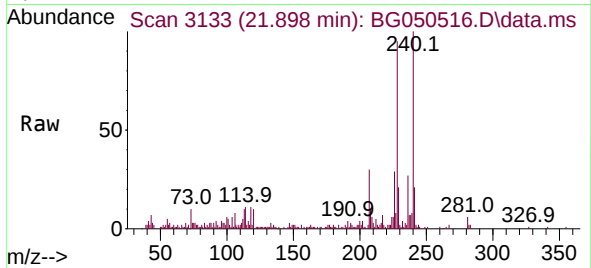




#81
Benzo(a)anthracene
Concen: 3.526 ng
RT: 21.898 min Scan# 3133
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

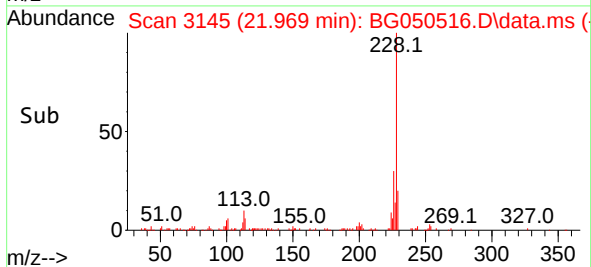
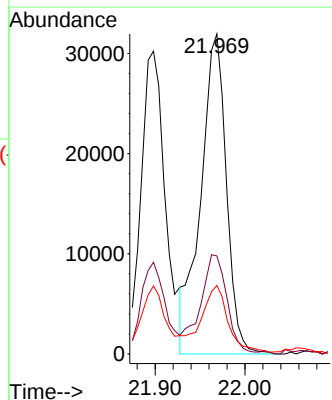
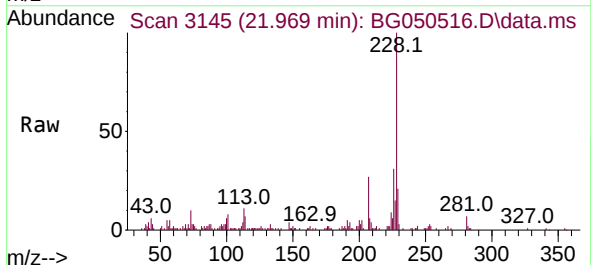
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

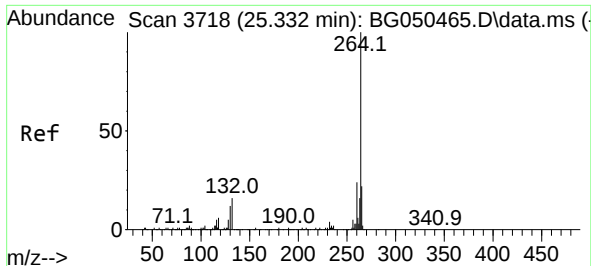
Tgt Ion:228 Resp: 57703
Ion Ratio Lower Upper
228 100
226 30.3 22.7 34.1
229 22.4 16.0 24.0



#83
Chrysene
Concen: 4.132 ng
RT: 21.969 min Scan# 3145
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:228 Resp: 63592
Ion Ratio Lower Upper
228 100
226 30.6 23.1 34.7
229 21.4 15.3 22.9

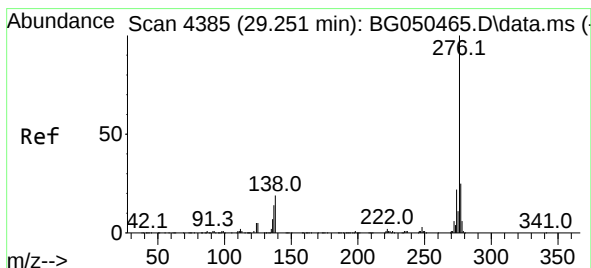
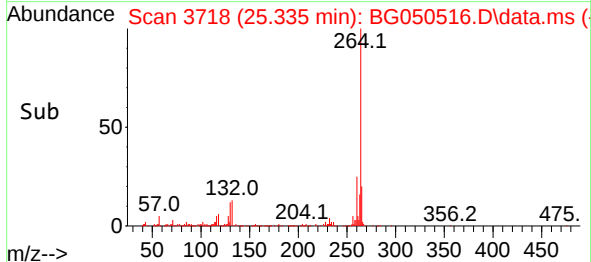
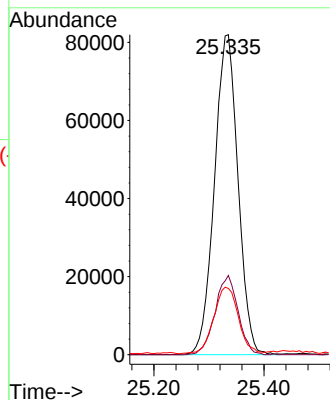
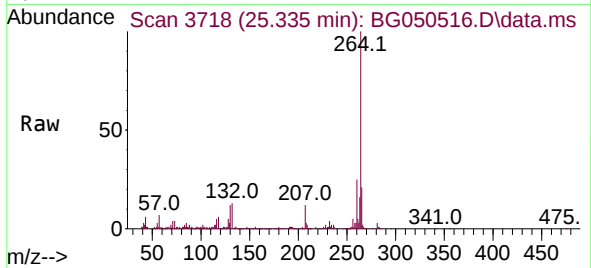




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.335 min Scan# 3718
 Delta R.T. 0.004 min
 Lab File: BG050516.D
 Acq: 8 Oct 2021 19:39

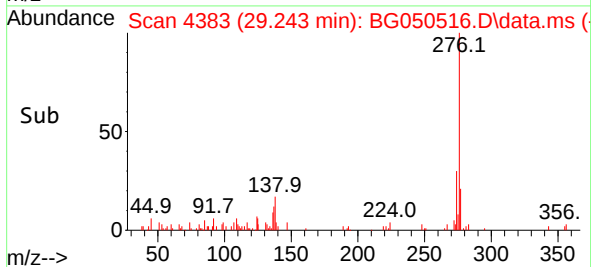
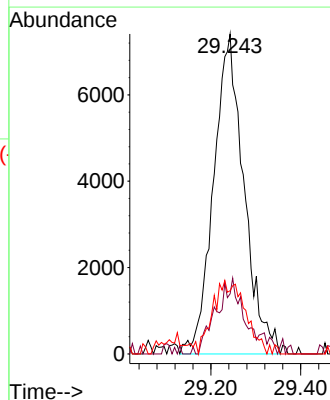
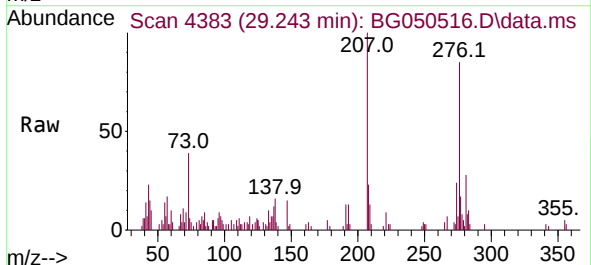
Instrument :
 BNA_G
 ClientSampleId :
 SB-5(3.0-3.5)

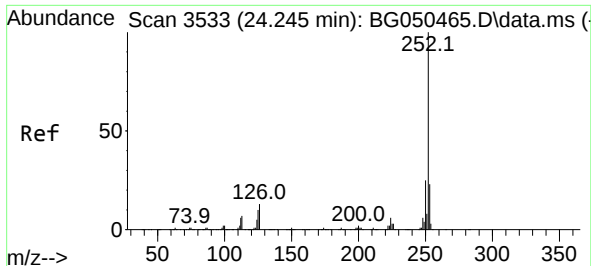
Tgt Ion:264	Resp:	243655
Ion Ratio	Lower	Upper
264	100	
260	24.8	19.4 29.2
265	20.7	16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.050 ng
 RT: 29.243 min Scan# 4383
 Delta R.T. -0.008 min
 Lab File: BG050516.D
 Acq: 8 Oct 2021 19:39

Tgt Ion:276	Resp:	34788
Ion Ratio	Lower	Upper
276	100	
138	20.6	5.1 7.7#
277	13.2	19.8 29.6#

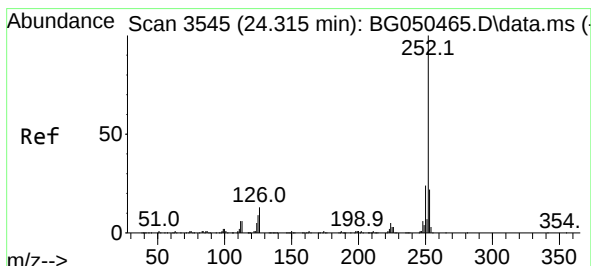
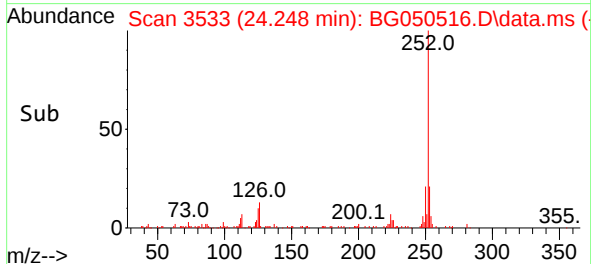
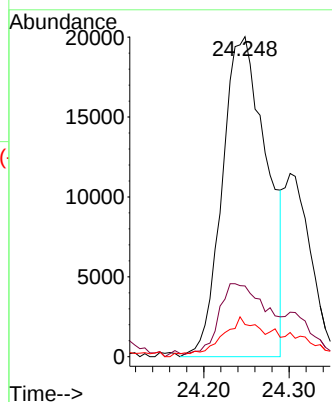
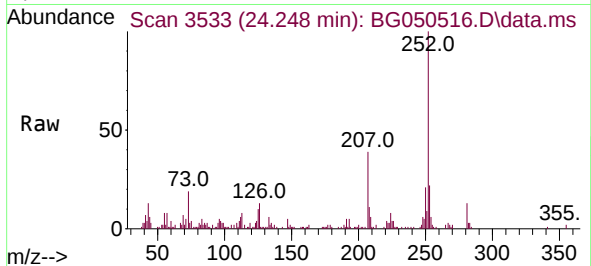




#88
Benzo(b)fluoranthene
Concen: 4.883 ng
RT: 24.248 min Scan# 3533
Delta R.T. 0.004 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

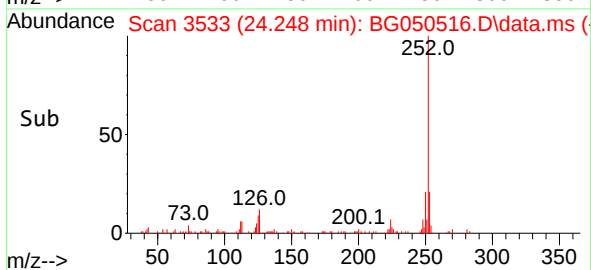
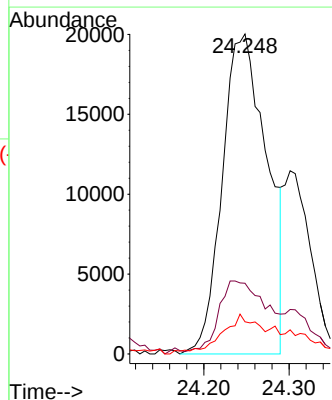
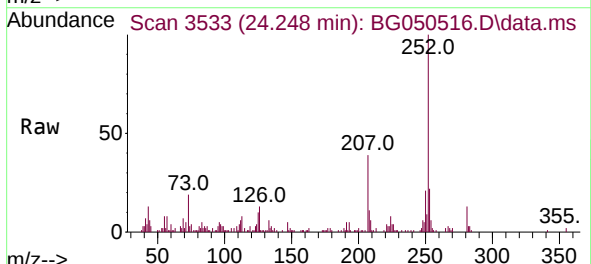
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

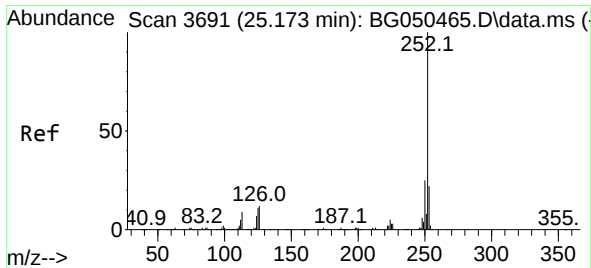
Tgt Ion:252 Resp: 72863
Ion Ratio Lower Upper
252 100
253 22.1 16.2 24.4
125 10.0 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 4.963 ng
RT: 24.248 min Scan# 3533
Delta R.T. -0.067 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:252 Resp: 72863
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 10.0 3.1 4.7#

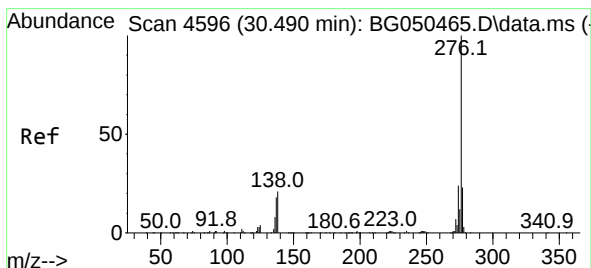
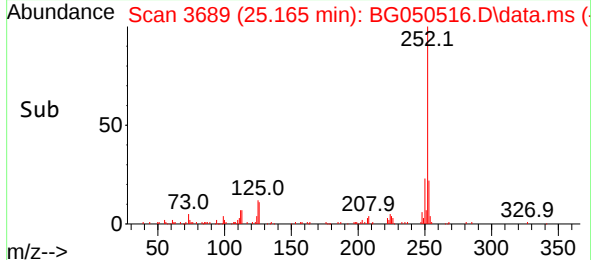
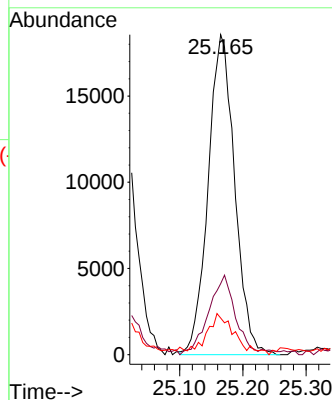
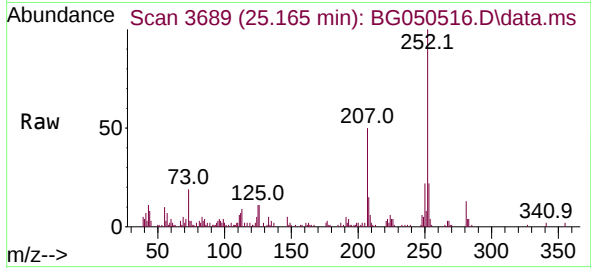




#90
Benzo(a)pyrene
Concen: 4.265 ng
RT: 25.165 min Scan# 3689
Delta R.T. -0.008 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

Tgt Ion:252 Resp: 54109
Ion Ratio Lower Upper
252 100
253 22.2 16.6 25.0
125 11.4 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 2.453 ng
RT: 30.470 min Scan# 4592
Delta R.T. -0.020 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

Tgt Ion:276 Resp: 33723
Ion Ratio Lower Upper
276 100
277 18.8 18.4 27.6
138 14.9 7.0 10.6#

