

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)

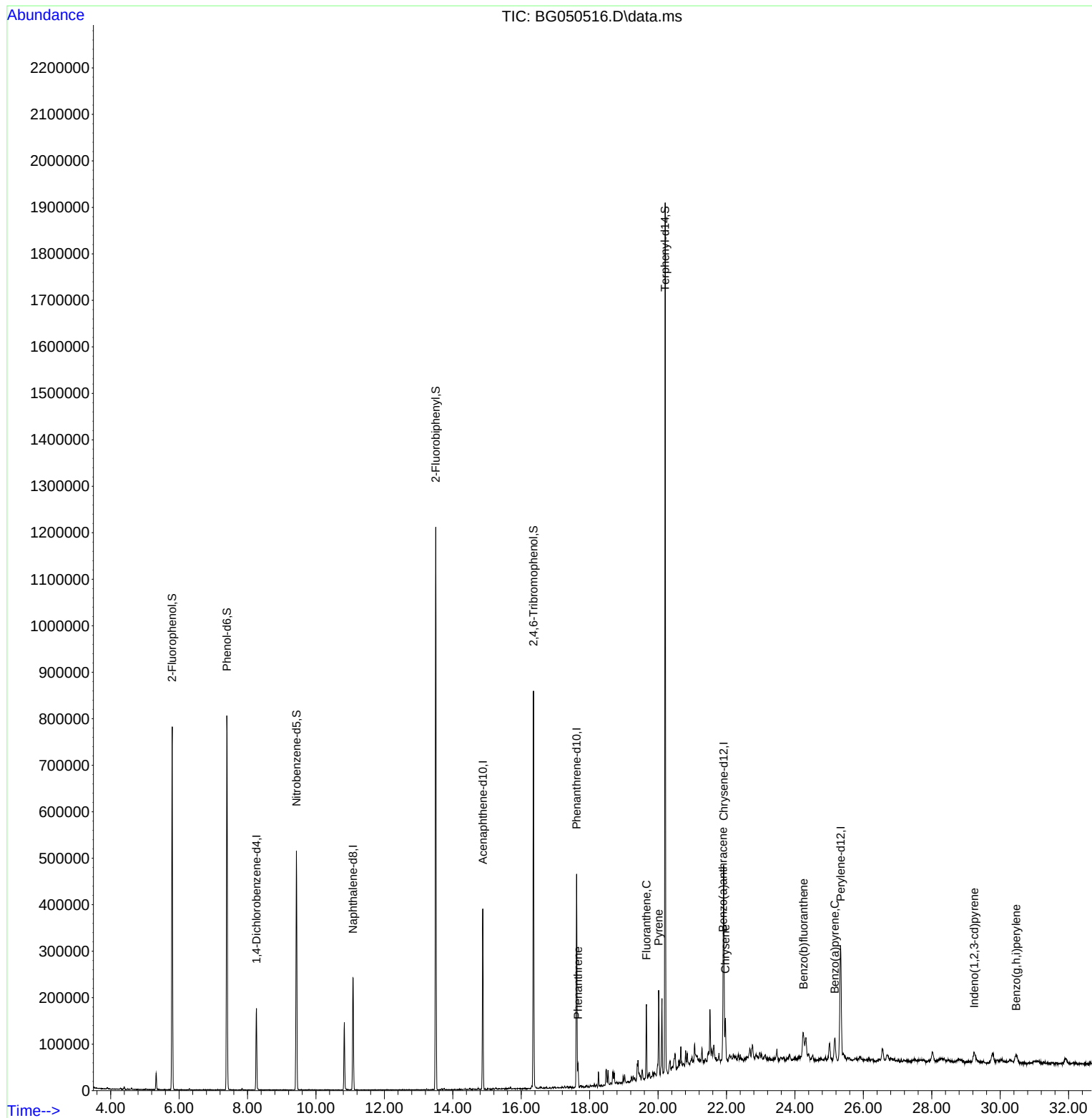
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.261	152	46344	20.00	ng	0.00
21) Naphthalene-d8	11.081	136	197633	20.00	ng	# 0.00
39) Acenaphthene-d10	14.877	164	134540	20.00	ng	0.00
64) Phenanthrene-d10	17.621	188	280558	20.00	ng	# 0.00
76) Chrysene-d12	21.916	240	247287	20.00	ng	# 0.00
86) Perylene-d12	25.335	264	243655	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	316733	102.21	ng	0.00
7) Phenol-d6	7.398	99	448992	100.08	ng	0.00
23) Nitrobenzene-d5	9.430	82	329784	69.08	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	118383	92.25	ng	0.00
45) 2-Fluorobiphenyl	13.502	172	583193	65.24	ng	0.00
79) Terphenyl-d14	20.206	244	819334	64.57	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.662	178	31407	2.12	ng	95
75) Fluoranthene	19.660	202	96753	5.32	ng	97
78) Pyrene	20.018	202	111420	6.35	ng	98
81) Benzo(a)anthracene	21.898	228	57703	3.53	ng	96
83) Chrysene	21.969	228	63592	4.13	ng	96
87) Indeno(1,2,3-cd)pyrene	29.243	276	34788	2.05	ng	# 73
88) Benzo(b)fluoranthene	24.248	252	72863	4.88	ng	# 94
90) Benzo(a)pyrene	25.165	252	54109	4.26	ng	# 94
92) Benzo(g,h,i)perylene	30.470	276	33723	2.45	ng	# 89

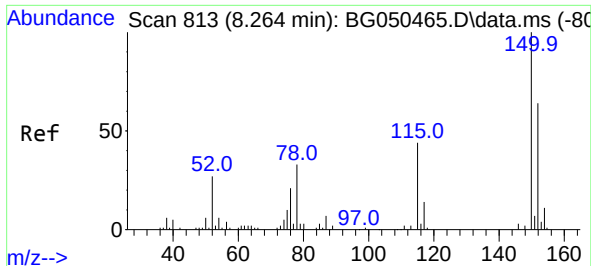
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-5(3.0-3.5)

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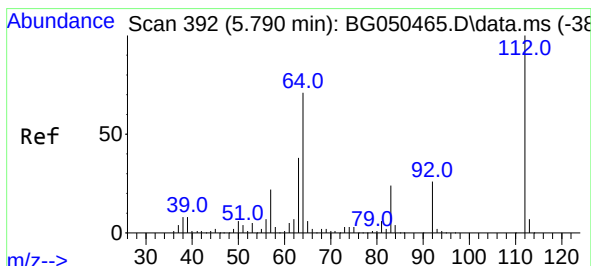
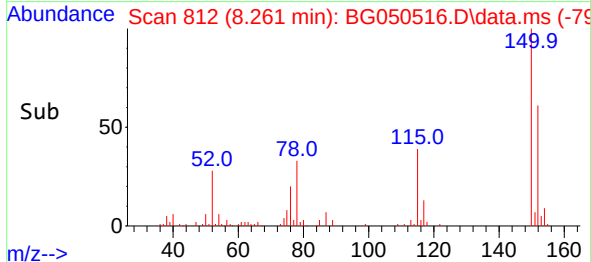
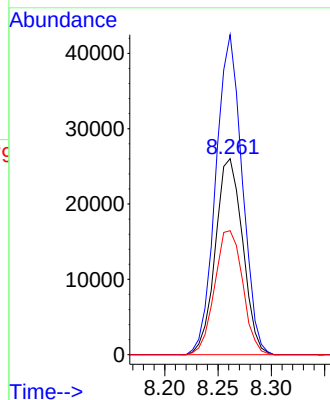
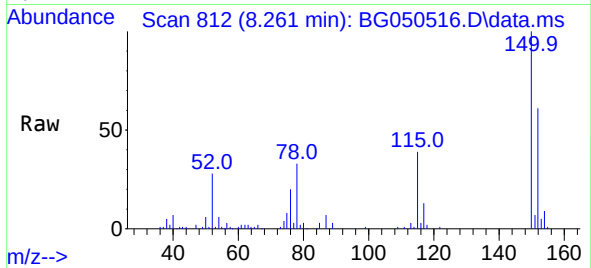




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.261 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

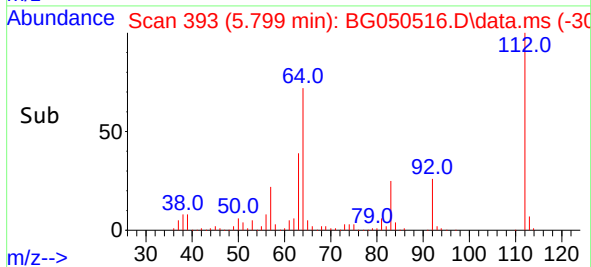
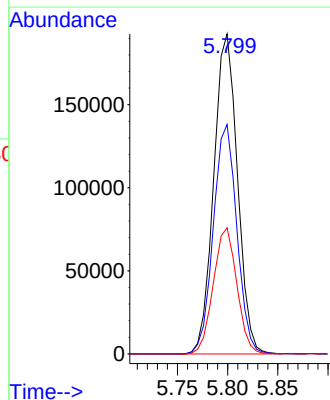
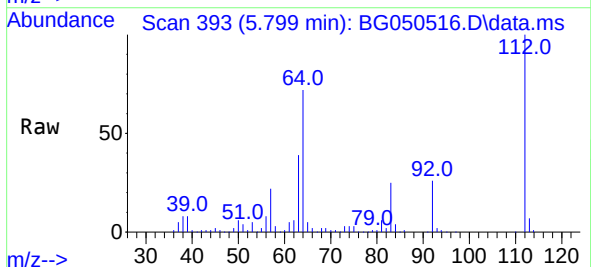
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

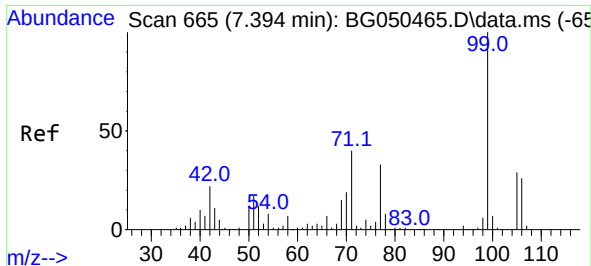
Tgt Ion:152 Resp: 46344
Ion Ratio Lower Upper
152 100
150 163.2 119.4 179.0
115 63.3 60.2 90.4



#5
2-Fluorophenol
Concen: 102.21 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

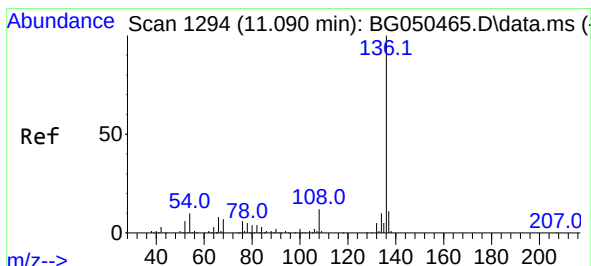
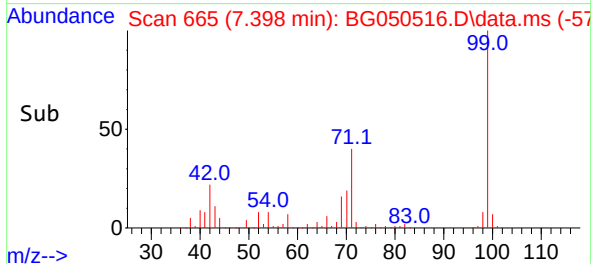
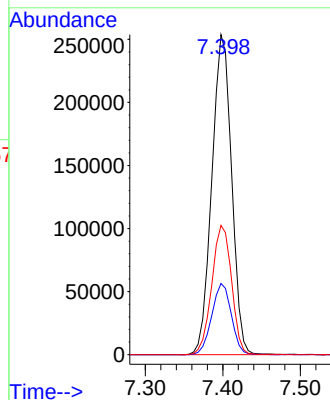
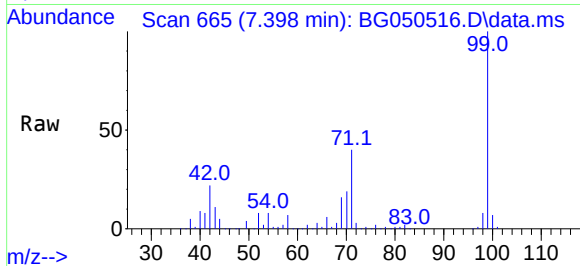




#7
Phenol-d6
Concen: 100.08 ng
RT: 7.398 min Scan# 665
Delta R.T. 0.004 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

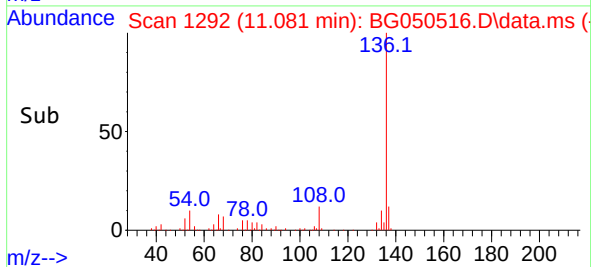
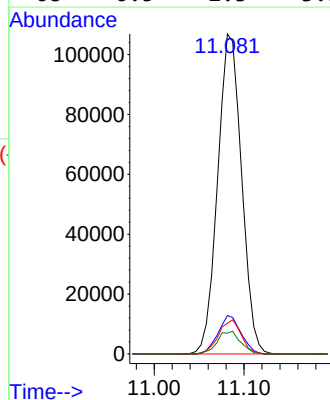
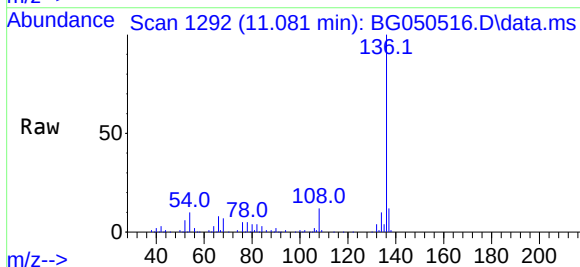
Instrument :
BNA_G
ClientSampled :
SB-5(3.0-3.5)

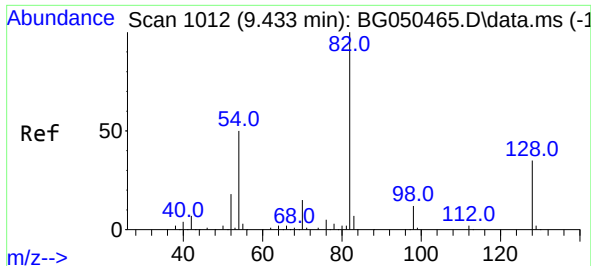
Tgt Ion: 99 Resp: 448992
Ion Ratio Lower Upper
99 100
42 22.3 20.5 30.7
71 40.4 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.00 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#

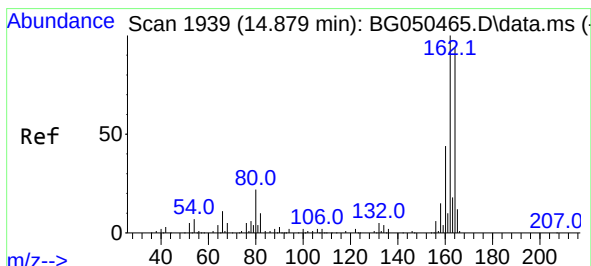
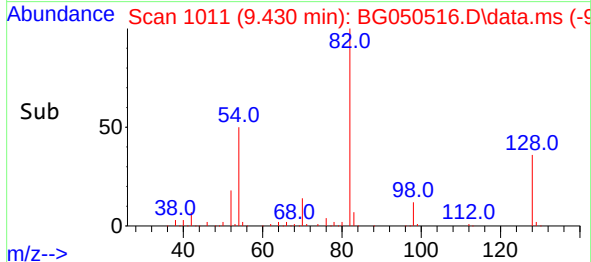
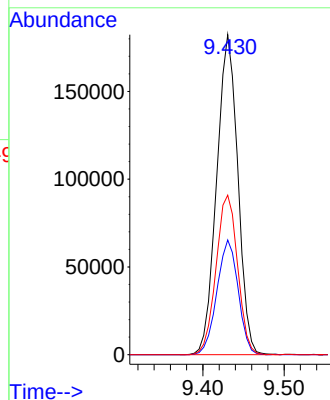
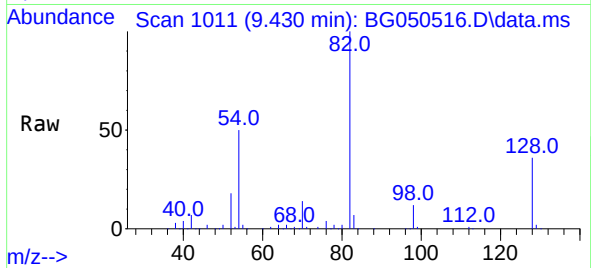




#23
Nitrobenzene-d5
Concen: 69.08 ng
RT: 9.430 min Scan# 1011
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

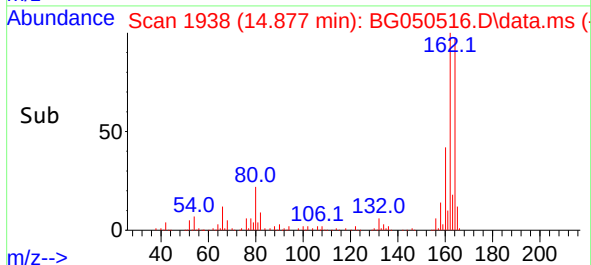
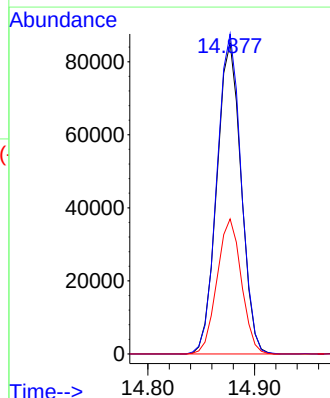
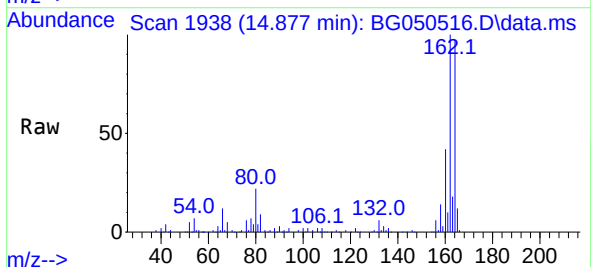
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

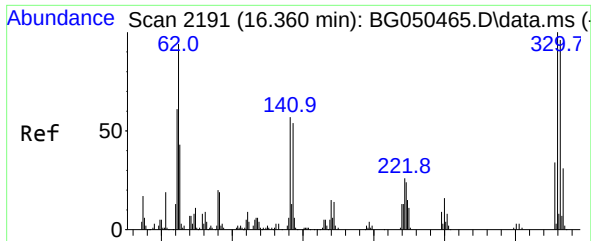
Tgt Ion: 82 Resp: 329784
Ion Ratio Lower Upper
82 100
128 35.8 29.8 44.6
54 49.9 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.877 min Scan# 1938
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

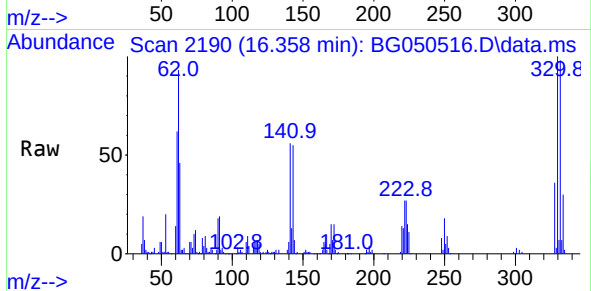
Tgt Ion:164 Resp: 134540
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.0
160 43.4 34.9 52.3



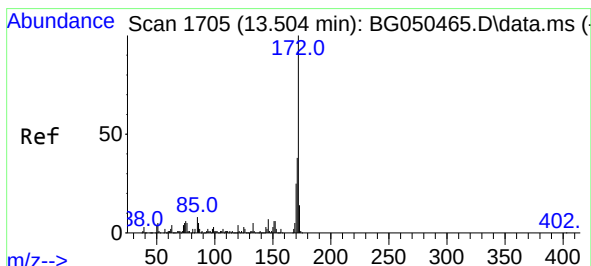
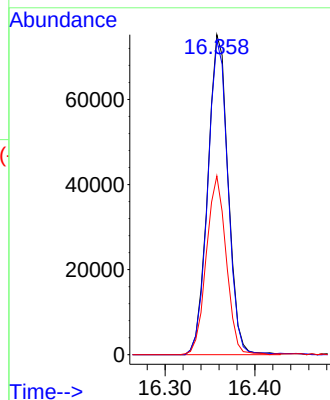
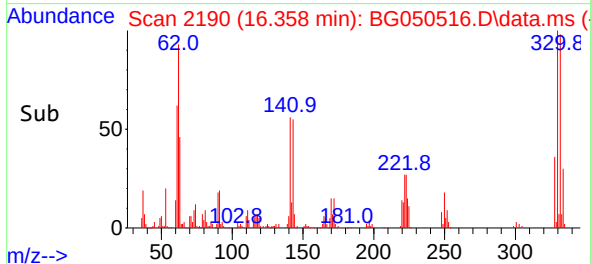


#42
2,4,6-Tribromophenol
Concen: 92.25 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

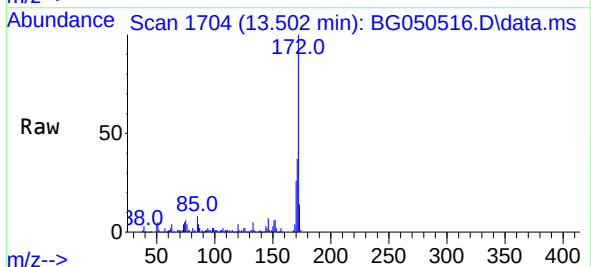
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)



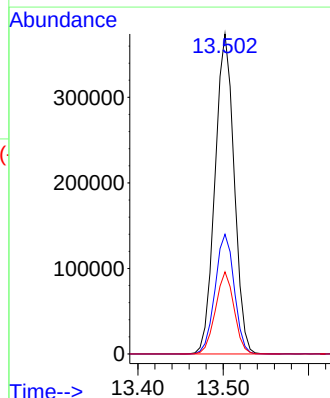
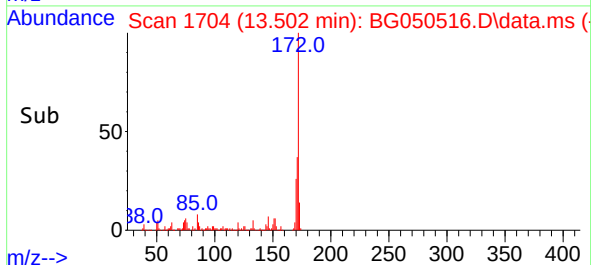
Tgt Ion:330 Resp: 118383
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 54.5 35.6 53.4#

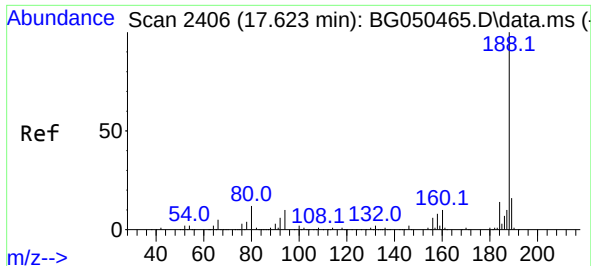


#45
2-Fluorobiphenyl
Concen: 65.24 ng
RT: 13.502 min Scan# 1704
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39



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

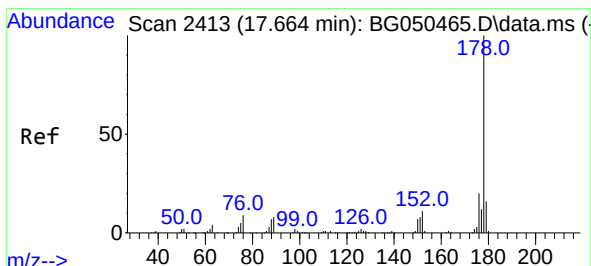
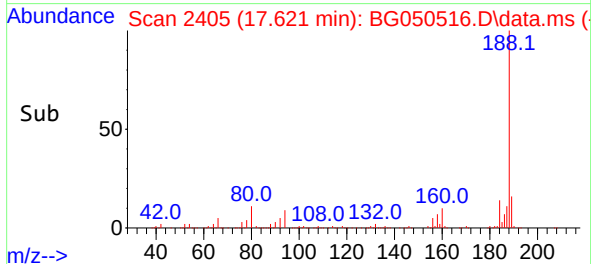
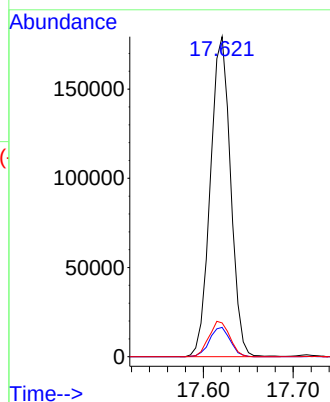
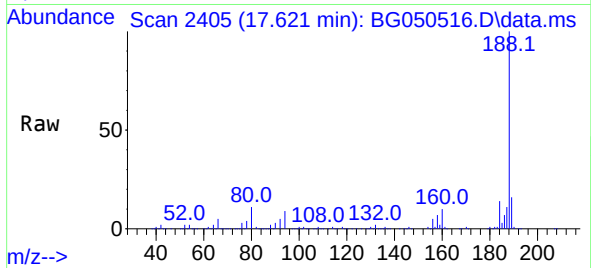




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.621 min Scan# 2405
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

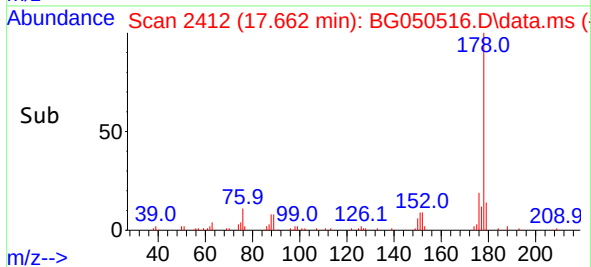
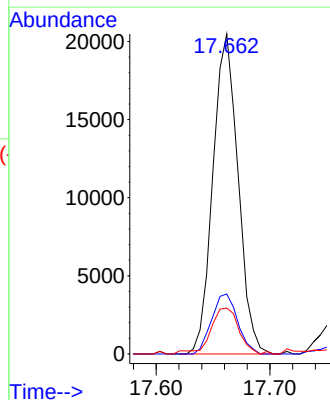
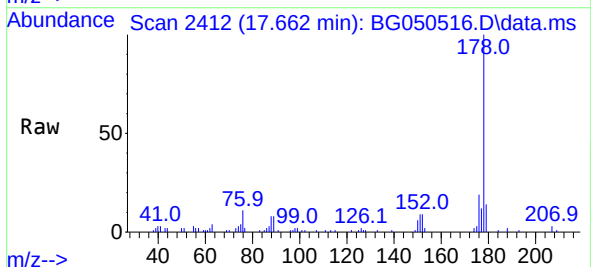
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

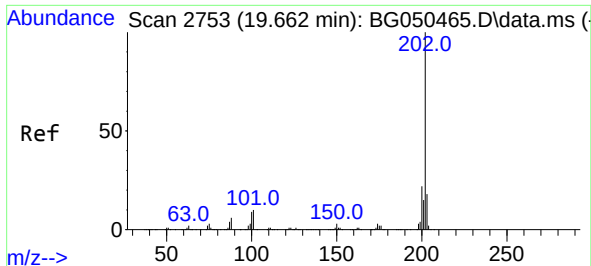
Tgt Ion:188 Resp: 280558
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 10.5 3.7 5.5#



#71
Phenanthrene
Concen: 2.12 ng
RT: 17.662 min Scan# 2412
Delta R.T. -0.002 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 16.0 24.0
179 14.4 14.2 21.4

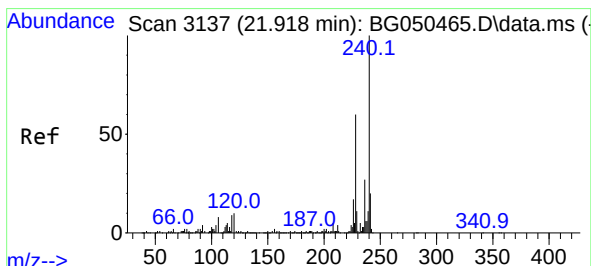
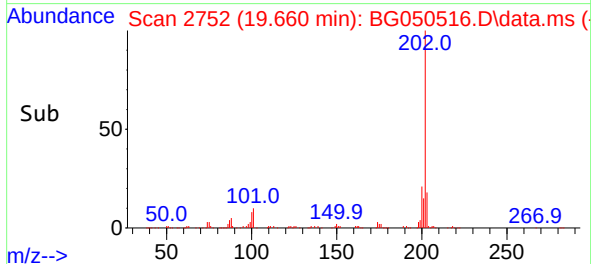
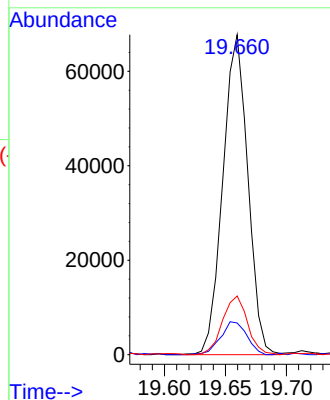
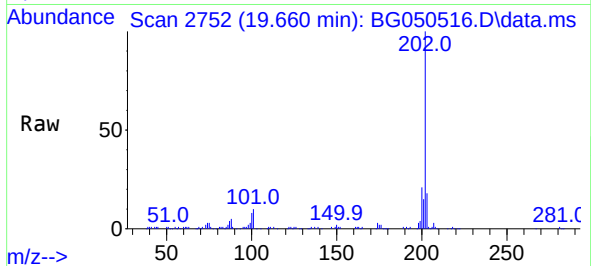




#75
Fluoranthene
Concen: 5.32 ng
RT: 19.660 min Scan# 2752
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

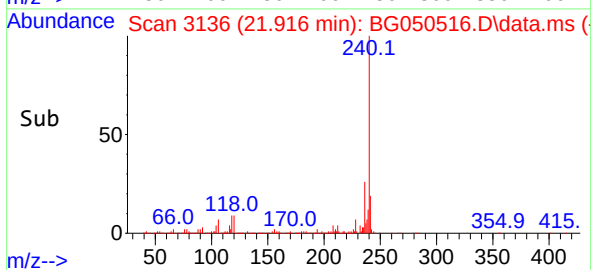
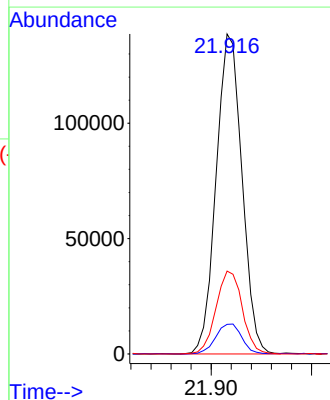
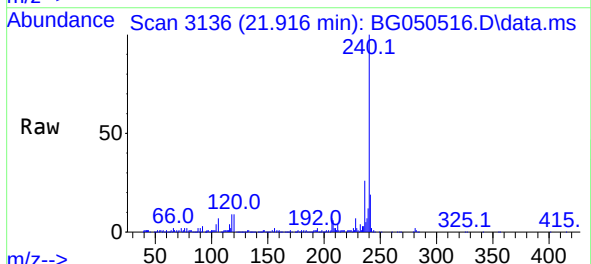
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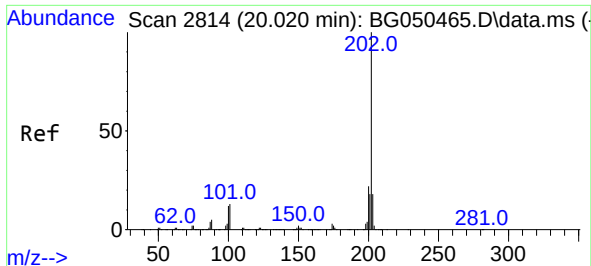
Tgt Ion:202 Resp: 96753
Ion Ratio Lower Upper
202 100
101 9.9 0.0 24.7
203 18.4 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 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

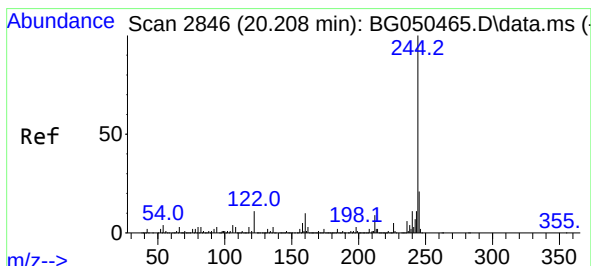
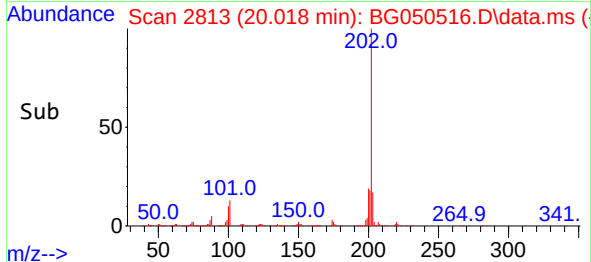
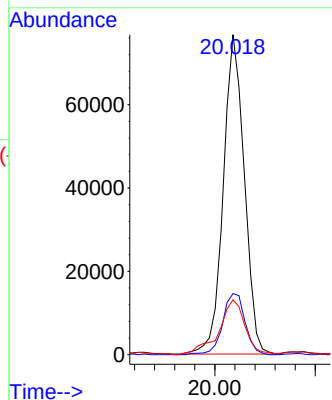
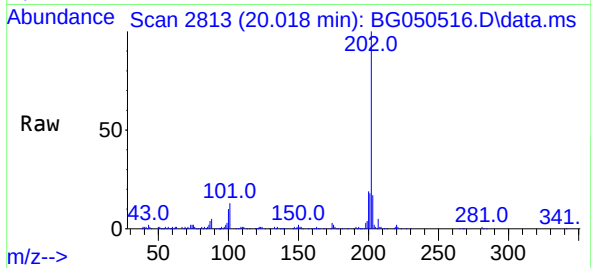




#78
Pyrene
Concen: 6.35 ng
RT: 20.018 min Scan# 2813
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

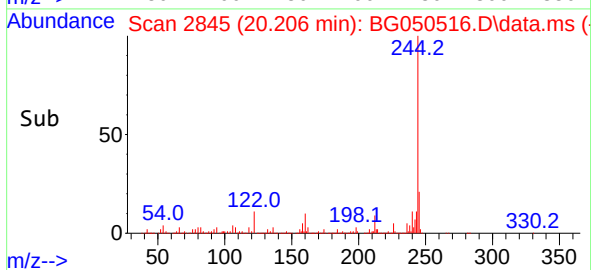
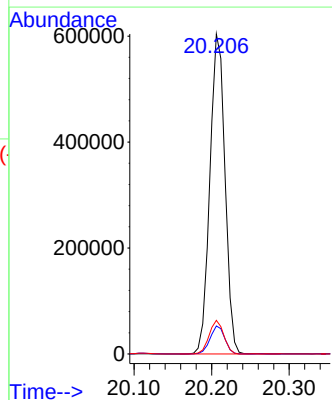
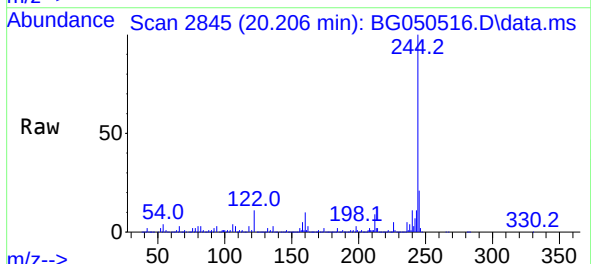
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

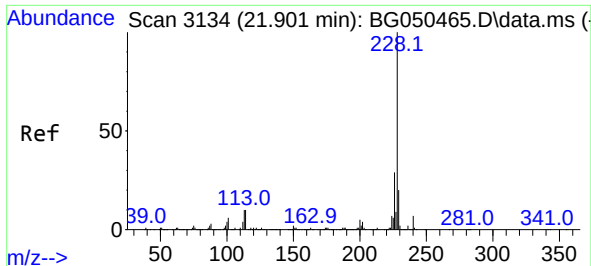
Tgt Ion:202	Resp:	111420
Ion Ratio	Lower	Upper
202	100	
200	19.1	15.8 23.8
203	17.2	14.6 21.8



#79
Terphenyl-d14
Concen: 64.57 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#

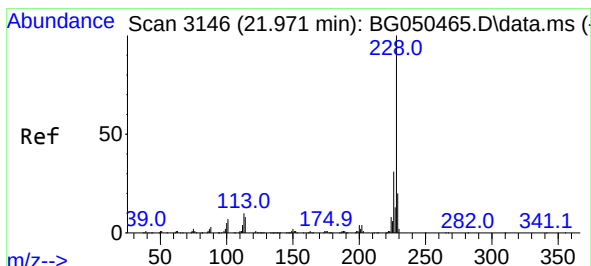
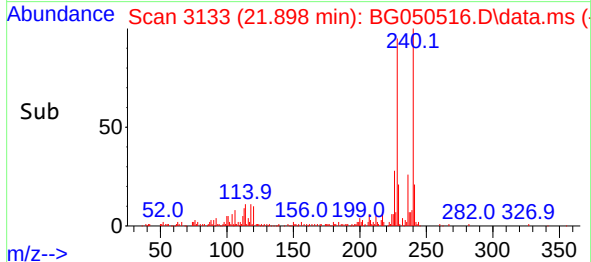
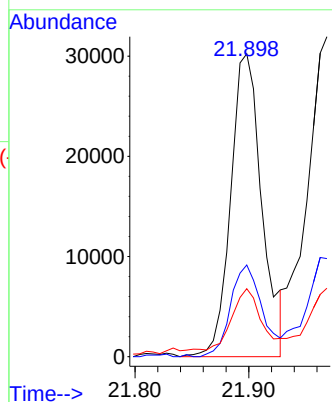
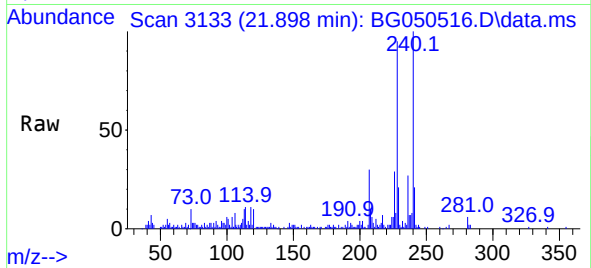




#81
Benzo(a)anthracene
Concen: 3.53 ng
RT: 21.898 min Scan# 3133
Delta R.T. -0.002 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

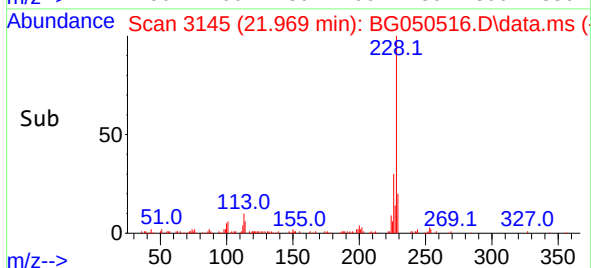
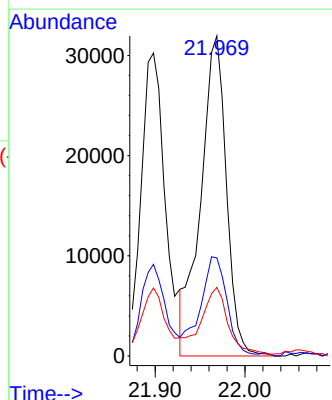
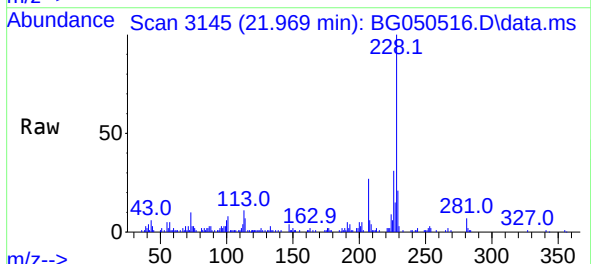
Instrument :
BNA_G
ClientSampled :
SB-5(3.0-3.5)

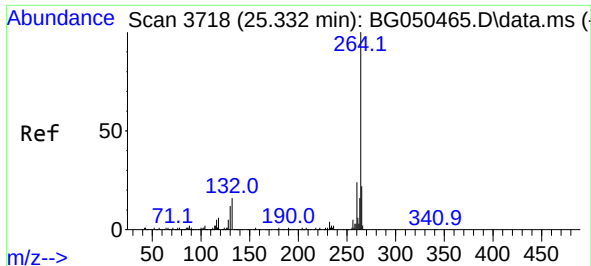
Tgt Ion:228 Resp: 57703
Ion Ratio Lower Upper
228 100
226 30.3 22.7 34.1
229 22.4 16.0 24.0



#83
Chrysene
Concen: 4.13 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

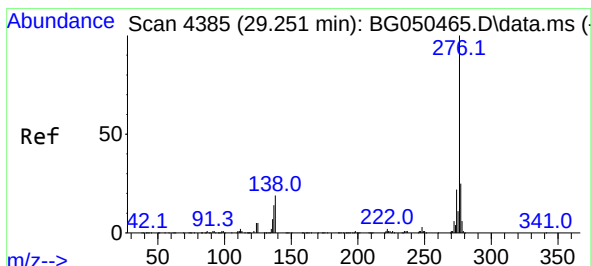
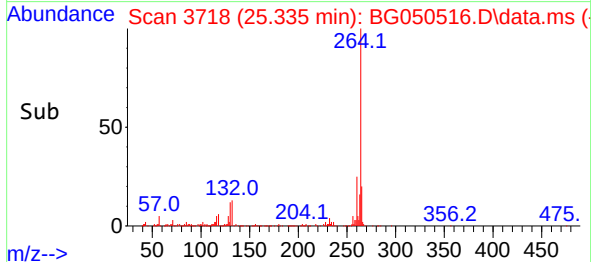
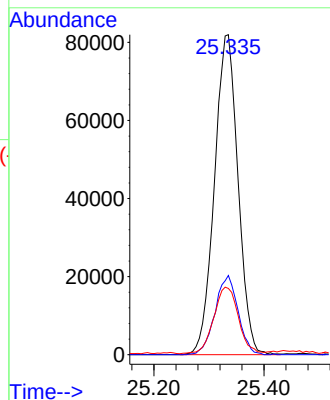
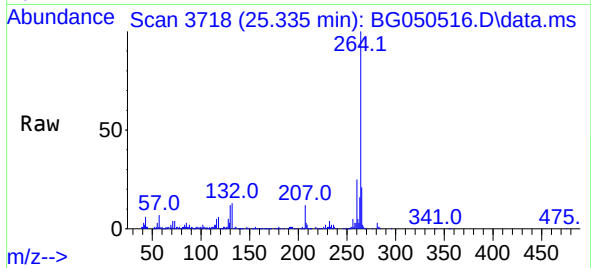




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.335 min Scan# 3718
Delta R.T. 0.004 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

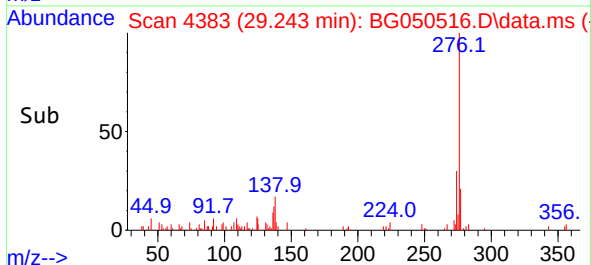
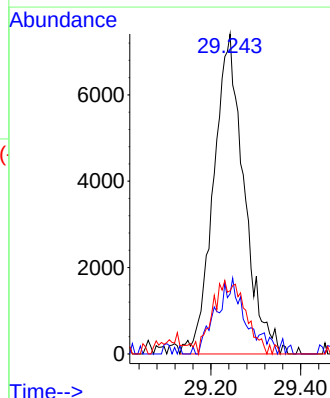
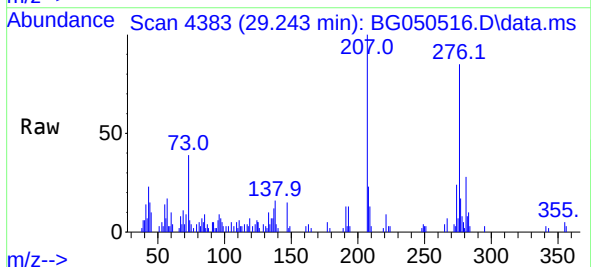
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

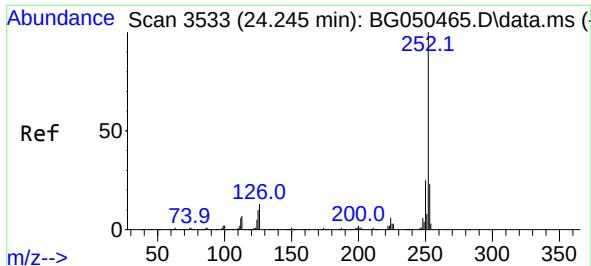
Tgt Ion:264 Resp: 243655
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 20.7 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.05 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#

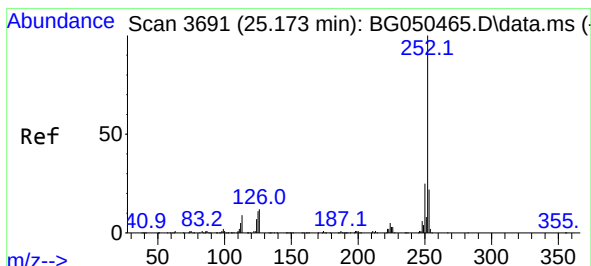
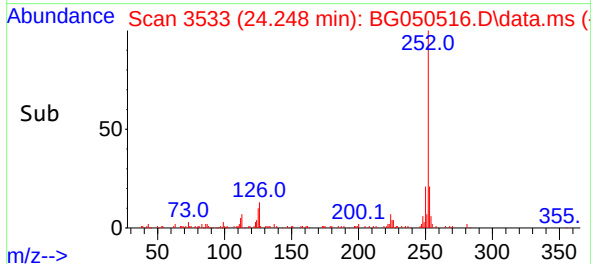
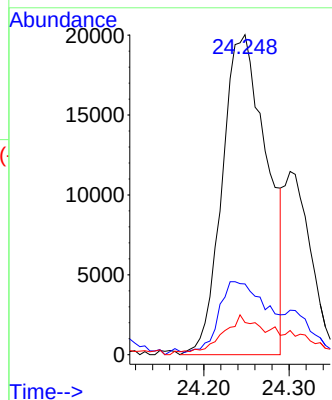
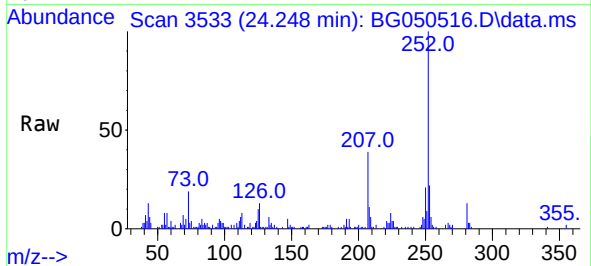




#88
Benzo(b)fluoranthene
Concen: 4.88 ng
RT: 24.248 min Scan# 3533
Delta R.T. 0.004 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

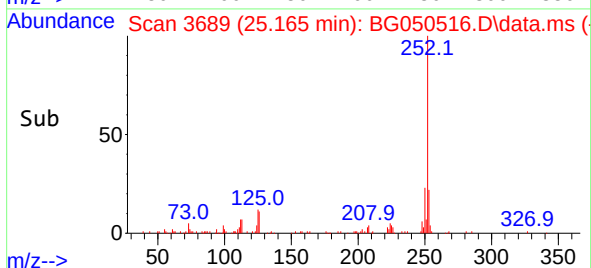
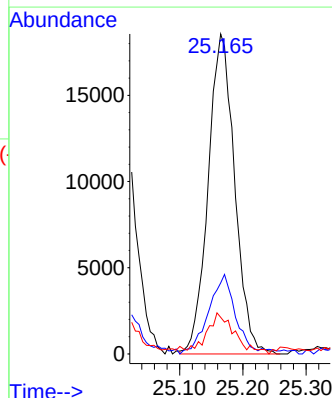
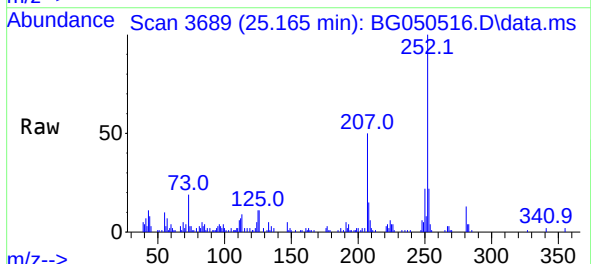
Instrument :
BNA_G
ClientSampleId :
SB-5(3.0-3.5)

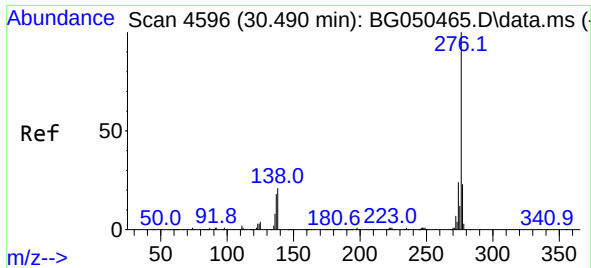
Tgt Ion:252 Resp: 72863
Ion Ratio Lower Upper
252 100
253 22.1 16.2 24.4
125 10.0 3.0 4.4#



#90
Benzo(a)pyrene
Concen: 4.26 ng
RT: 25.165 min Scan# 3689
Delta R.T. -0.008 min
Lab File: BG050516.D
Acq: 8 Oct 2021 19:39

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: 2.45 ng
 RT: 30.470 min Scan# 4592
 Delta R.T. -0.020 min
 Lab File: BG050516.D
 Acq: 8 Oct 2021 19:39

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

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#

