

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020822\
 Data File : BG052326.D
 Acq On : 8 Feb 2022 19:28
 Operator : CG/JU
 Sample : N1401-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124055

Quant Time: Feb 09 01:26:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

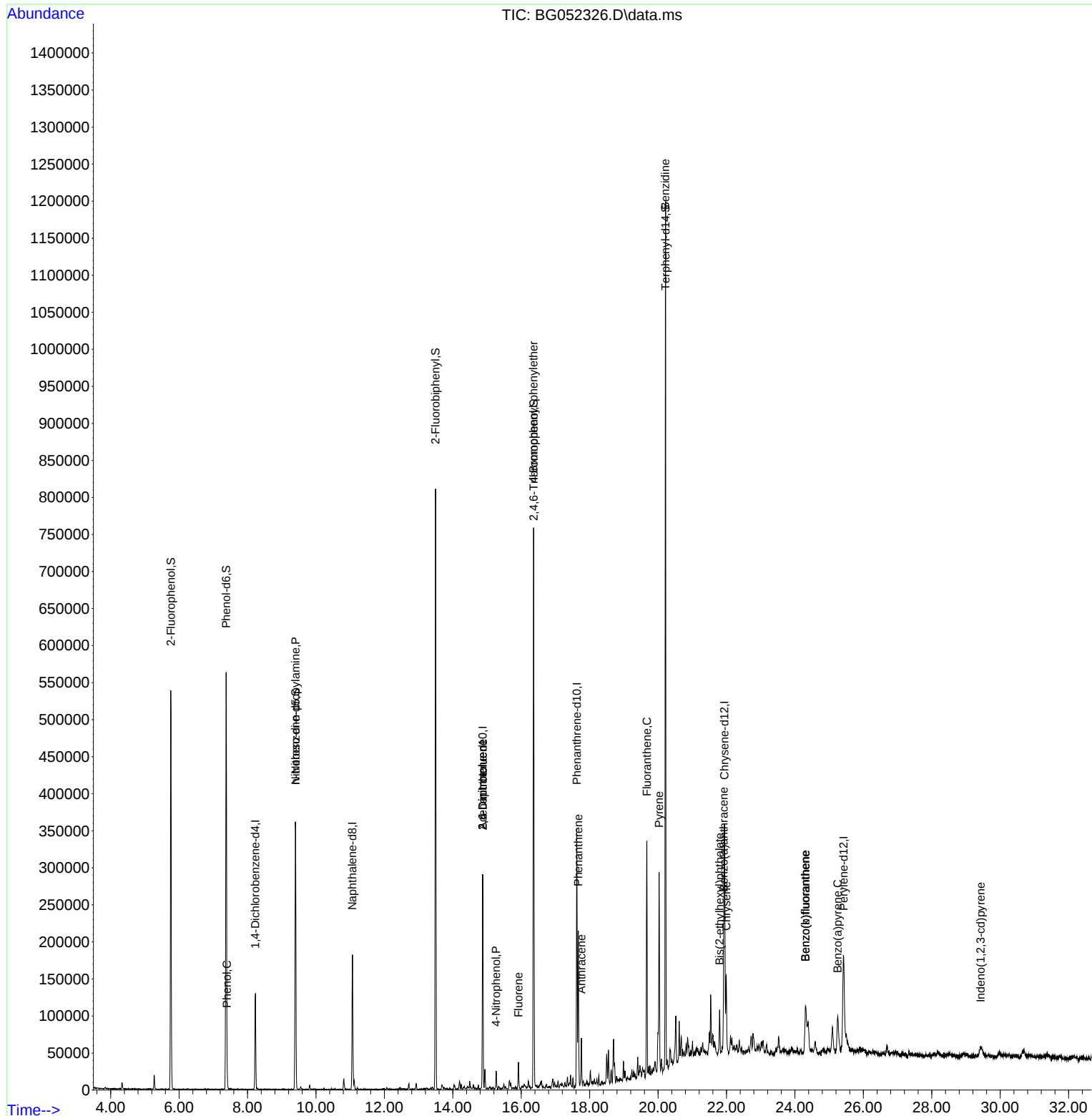
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	36508	20.000	ng	0.00
21) Naphthalene-d8	11.067	136	153307	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	100625	20.000	ng	0.00
64) Phenanthrene-d10	17.623	188	217093	20.000	ng	0.00
76) Chrysene-d12	21.941	240	187804	20.000	ng	0.00
86) Perylene-d12	25.419	264	171977	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.757	112	227544	108.628	ng	0.00
7) Phenol-d6	7.372	99	330126	102.142	ng	0.00
23) Nitrobenzene-d5	9.405	82	235584	66.786	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	155362	107.469	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	440912	60.886	ng	0.00
79) Terphenyl-d14	20.220	244	567628	53.372	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.367	77	659	Below Cal	#	8
10) Phenol	7.402	94	7839	2.441	ng	85
19) n-Nitroso-di-n-propyla...	9.405	70	33929	13.925	ng	# 69
51) 2,6-Dinitrotoluene	14.874	165	14164	8.515	ng	# 16
56) 4-Nitrophenol	15.268	139	4671	3.597	ng	# 1
57) 2,4-Dinitrotoluene	14.874	165	14164	5.983	ng	# 15
58) Fluorene	15.920	166	16481	2.166	ng	95
67) 4-Bromophenyl-phenylether	16.360	248	9730	3.685	ng	# 1
71) Phenanthrene	17.670	178	133509	11.930	ng	97
72) Anthracene	17.758	178	38215	3.485	ng	99
75) Fluoranthene	19.673	202	210621	14.780	ng	100
77) Benzidine	20.214	184	8755	2.182	ng	# 93
78) Pyrene	20.032	202	176016	14.007	ng	98
81) Benzo(a)anthracene	21.917	228	92371	7.433	ng	98
83) Chrysene	21.994	228	80366	6.824	ng	97
84) Bis(2-ethylhexyl)phtha...	21.800	149	22773	3.762	ng	# 96
87) Indeno(1,2,3-cd)pyrene	29.431	276	30414	2.417	ng	# 57
88) Benzo(b)fluoranthene	24.308	252	94388	8.807	ng	98
89) Benzo(k)fluoranthene	24.308	252	94388	8.916	ng	# 98
90) Benzo(a)pyrene	25.248	252	67113	7.413	ng	# 95

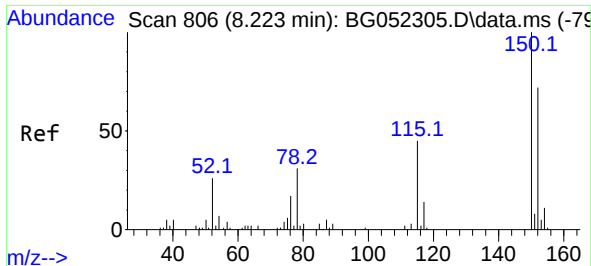
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020822\
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BNA_G
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PSC-124055

Quant Time: Feb 09 01:26:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 08 01:21:20 2022
Response via : Initial Calibration

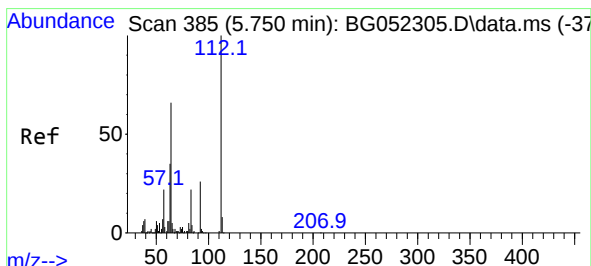
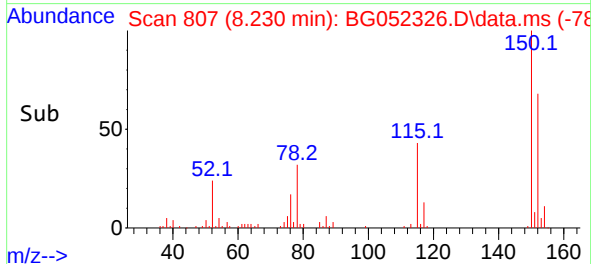
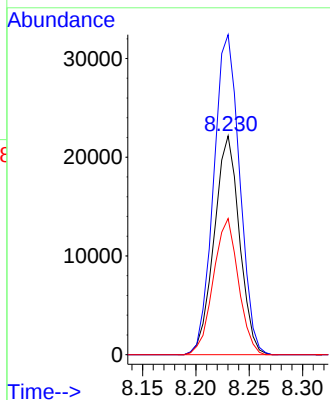
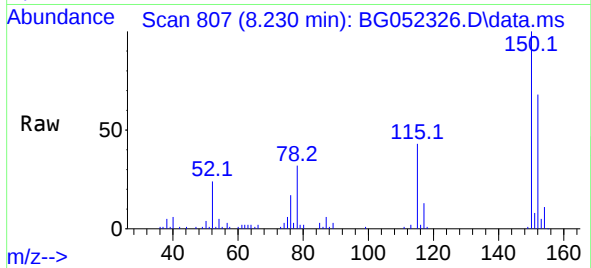




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 806
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

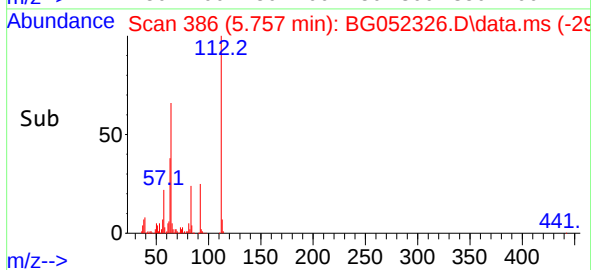
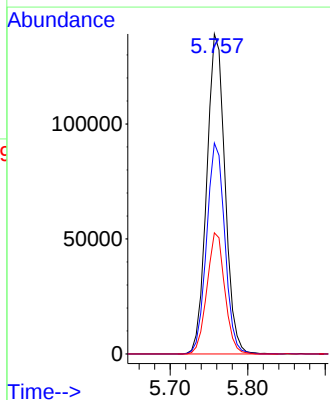
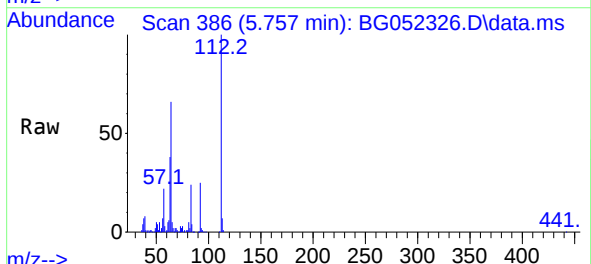
Instrument :
BNA_G
ClientSampleId :
PSC-124055

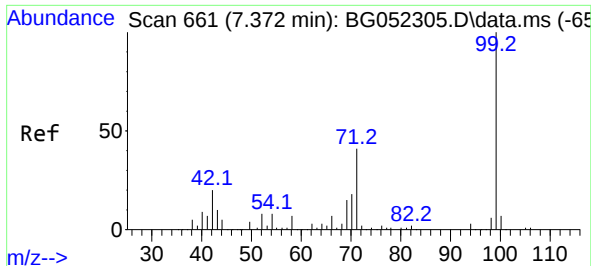
Tgt Ion:152 Resp: 36508
Ion Ratio Lower Upper
152 100
150 146.2 117.8 176.8
115 62.2 50.2 75.2



#5
2-Fluorophenol
Concen: 108.628 ng
RT: 5.757 min Scan# 386
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:112 Resp: 227544
Ion Ratio Lower Upper
112 100
64 65.9 60.4 90.6
63 37.9 33.3 49.9

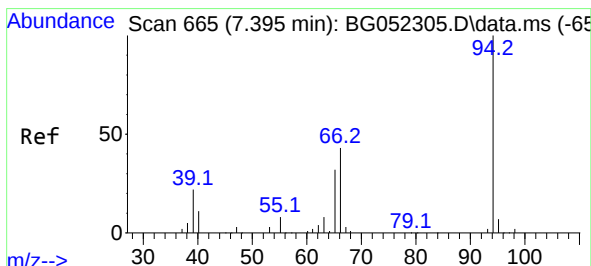
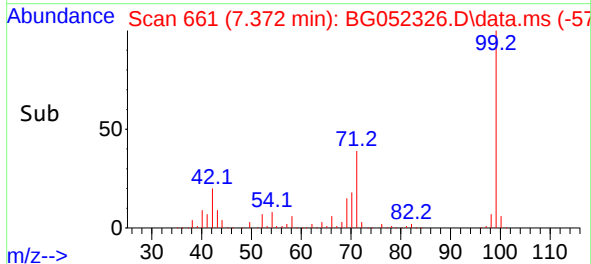
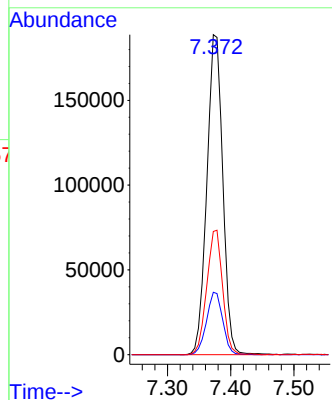
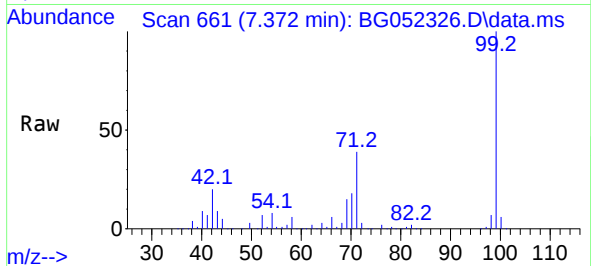




#7
Phenol-d6
Concen: 102.142 ng
RT: 7.372 min Scan# 661
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

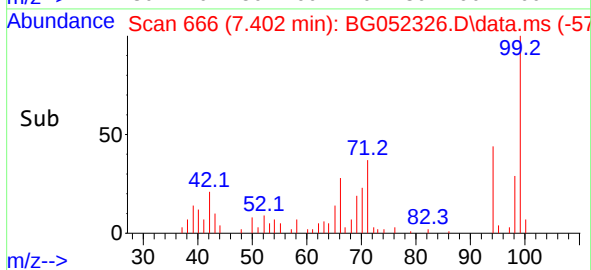
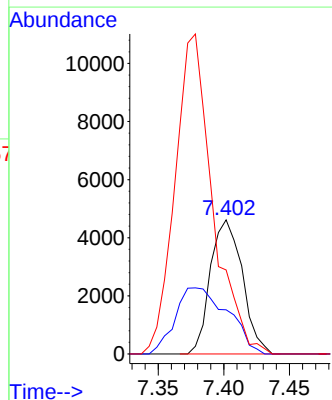
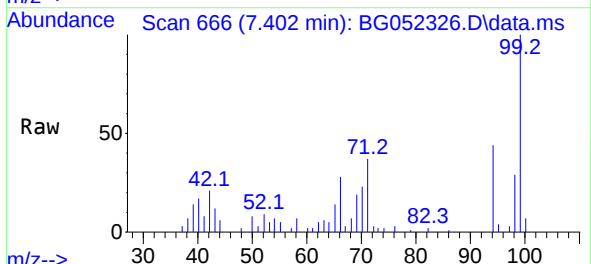
Instrument :
BNA_G
ClientSampleId :
PSC-124055

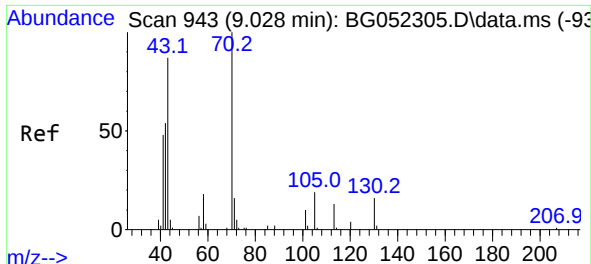
Tgt Ion: 99 Resp: 330126
Ion Ratio Lower Upper
99 100
42 19.5 19.1 28.7
71 38.5 33.4 50.2



#10
Phenol
Concen: 2.441 ng
RT: 7.402 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion: 94 Resp: 7839
Ion Ratio Lower Upper
94 100
65 32.9 14.1 54.1
66 62.6 26.6 66.6

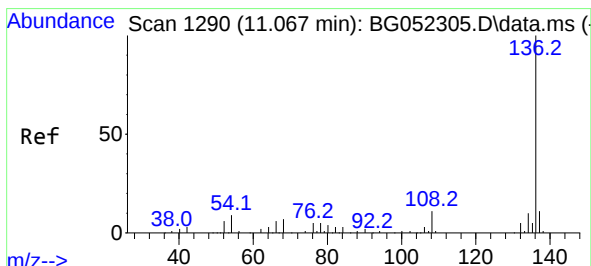
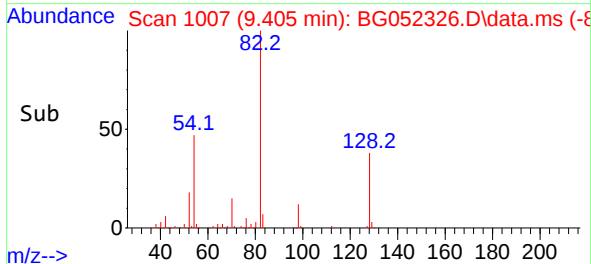
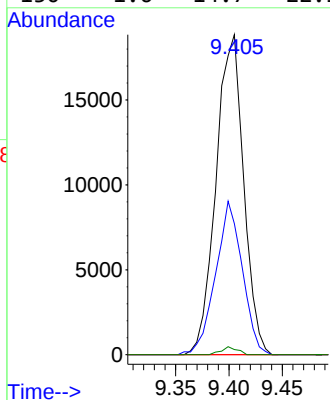
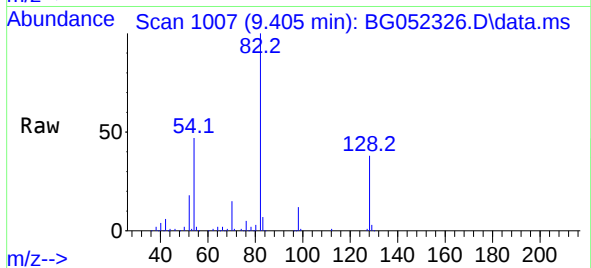




#19
n-Nitroso-di-n-propylamine
Concen: 13.925 ng
RT: 9.405 min Scan# 10
Delta R.T. 0.377 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

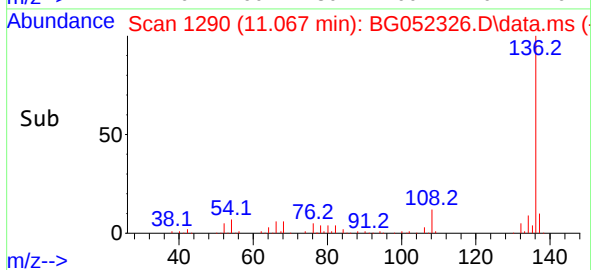
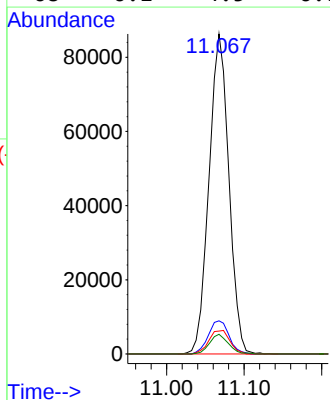
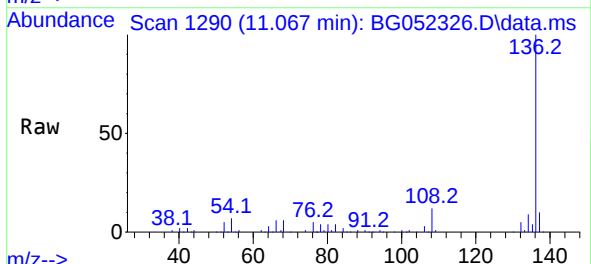
Instrument :
BNA_G
ClientSampleId :
PSC-124055

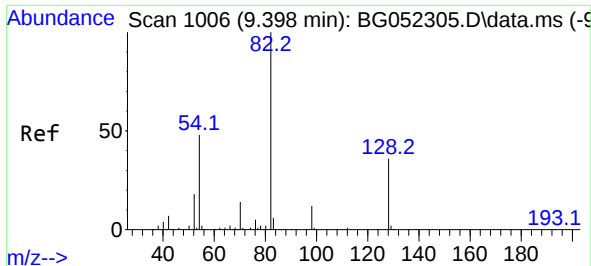
Tgt Ion: 70 Resp: 33929
Ion Ratio Lower Upper
70 100
42 41.0 51.8 77.6#
101 0.0 6.6 10.0#
130 1.6 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.067 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:136 Resp: 153307
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 7.1 8.3 12.5#
68 6.1 4.5 6.7

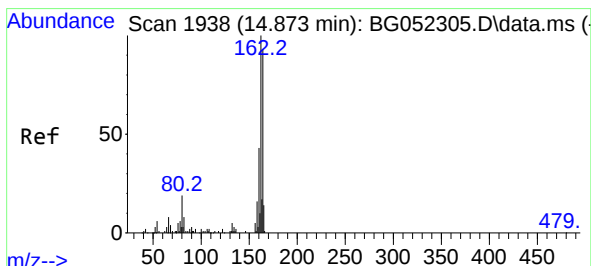
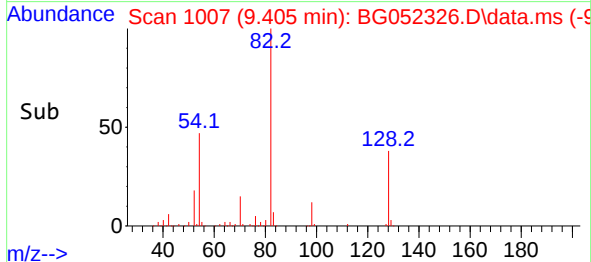
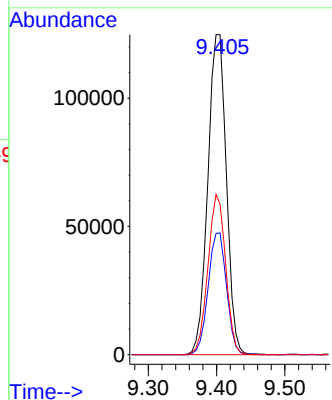
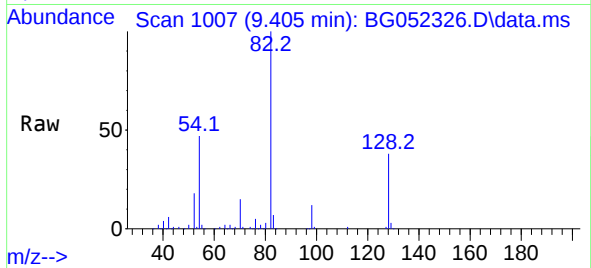




#23
Nitrobenzene-d5
Concen: 66.786 ng
RT: 9.405 min Scan# 1007
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

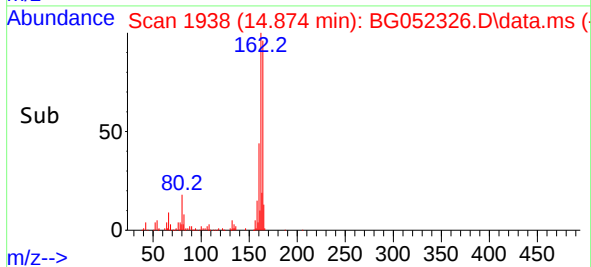
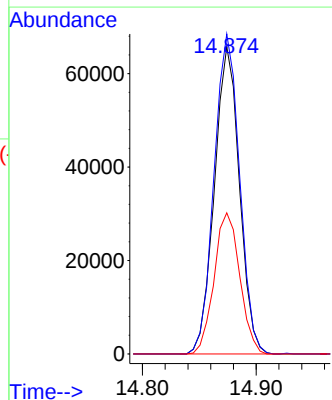
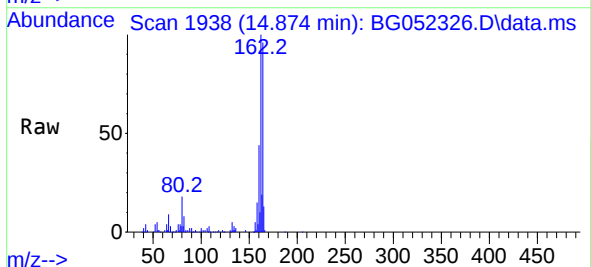
Instrument :
BNA_G
ClientSampleId :
PSC-124055

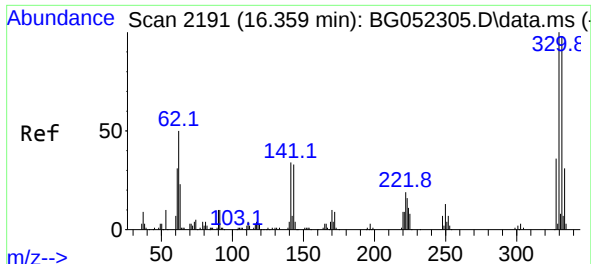
Tgt Ion: 82 Resp: 235584
Ion Ratio Lower Upper
82 100
128 38.0 27.0 40.4
54 47.1 41.0 61.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

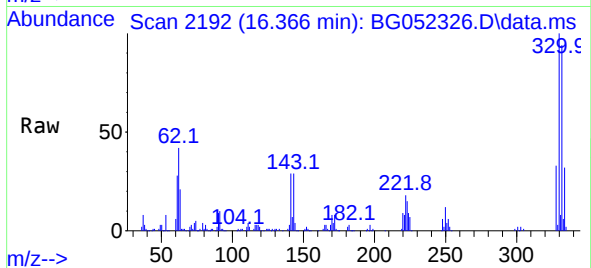
Tgt Ion:164 Resp: 100625
Ion Ratio Lower Upper
164 100
162 104.2 82.2 123.2
160 45.9 36.2 54.2



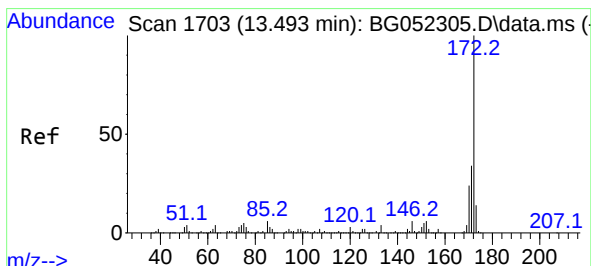
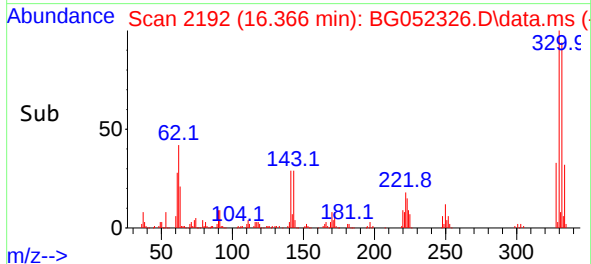
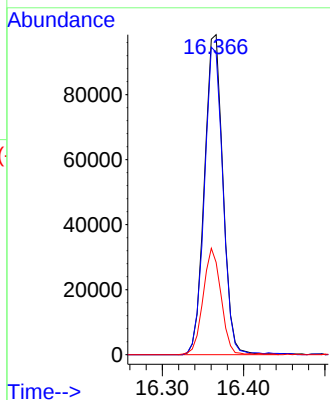


#42
2,4,6-Tribromophenol
Concen: 107.469 ng
RT: 16.366 min Scan# 2191
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Instrument :
BNA_G
ClientSampleId :
PSC-124055

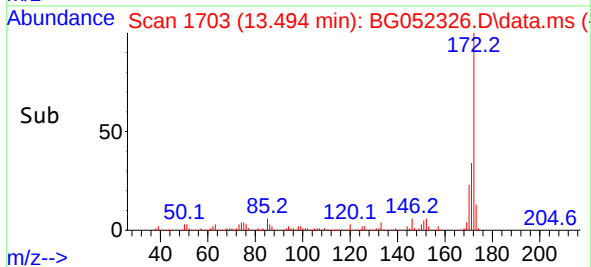
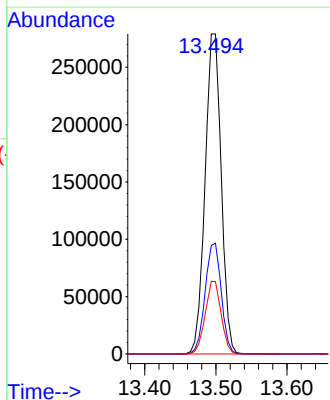
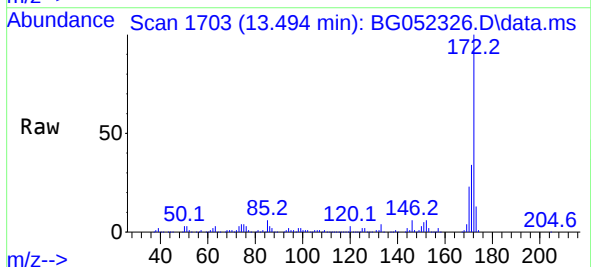


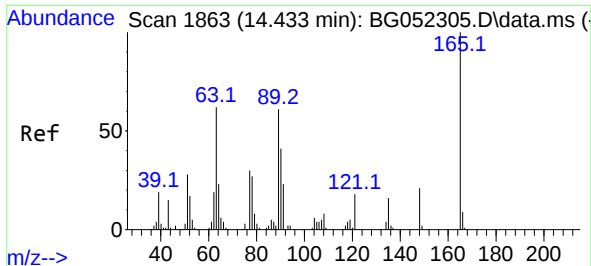
Tgt Ion:330 Resp: 155362
Ion Ratio Lower Upper
330 100
332 96.2 78.6 117.8
141 32.2 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 60.886 ng
RT: 13.494 min Scan# 1703
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:172 Resp: 440912
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.7 18.3 27.5

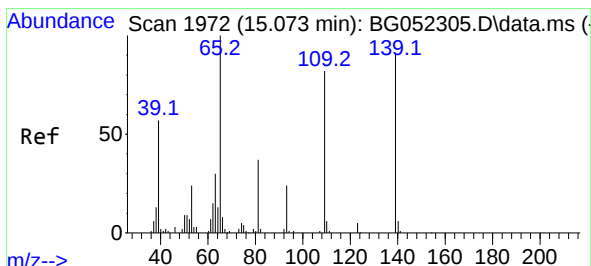
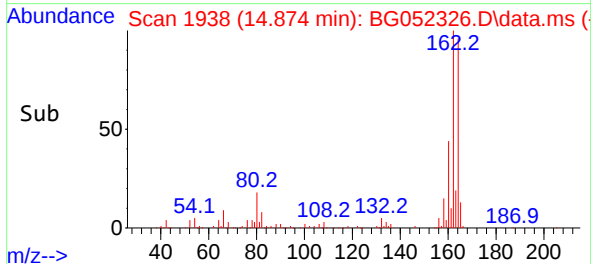
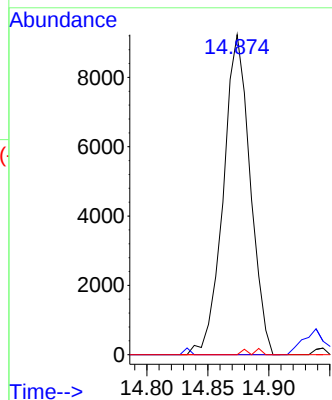
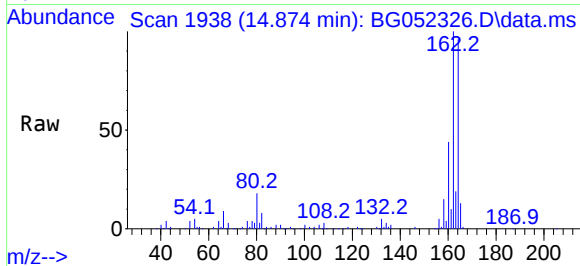




#51
2,6-Dinitrotoluene
Concen: 8.515 ng
RT: 14.874 min Scan# 14
Delta R.T. 0.441 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

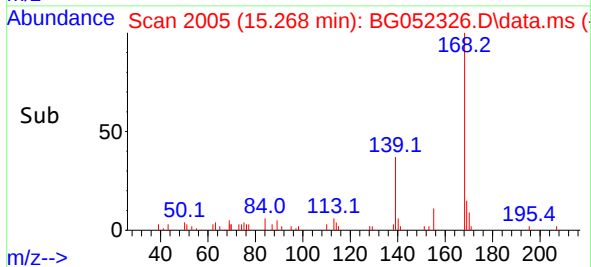
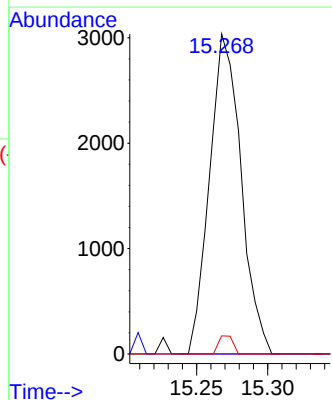
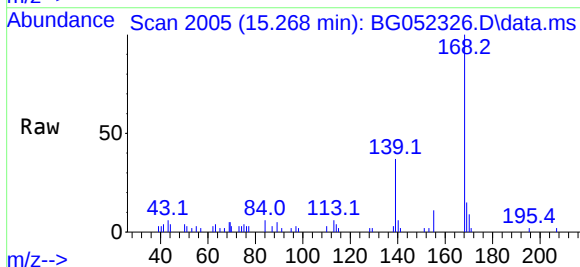
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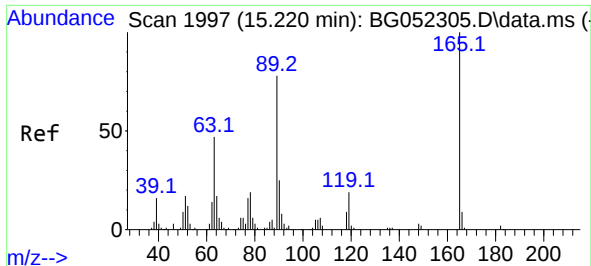
Tgt Ion:165 Resp: 14164
Ion Ratio Lower Upper
165 100
63 0.0 59.0 88.4#
89 0.0 49.4 74.0#



#56
4-Nitrophenol
Concen: 3.597 ng
RT: 15.268 min Scan# 2005
Delta R.T. 0.195 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:139 Resp: 4671
Ion Ratio Lower Upper
139 100
109 0.0 84.9 124.9#
65 5.7 109.9 149.9#





#57

2,4-Dinitrotoluene

Concen: 5.983 ng

RT: 14.874 min Scan# 1997

Delta R.T. -0.346 min

Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

Instrument :

BNA_G

ClientSampleId :

PSC-124055

Tgt Ion:165 Resp: 14164

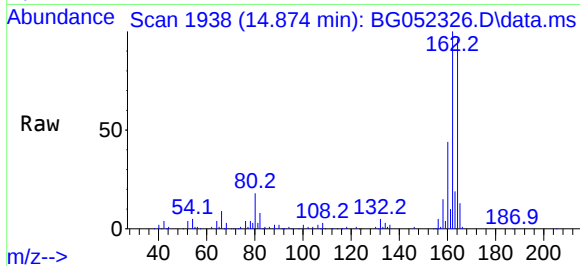
Ion Ratio Lower Upper

165 100

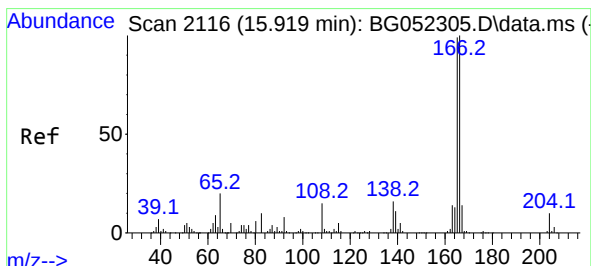
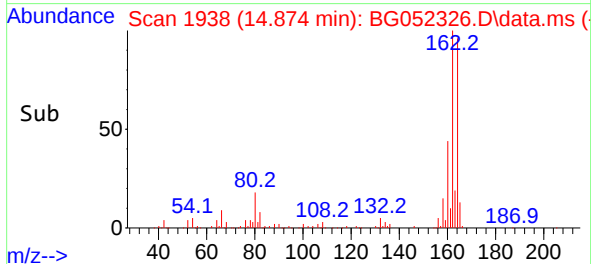
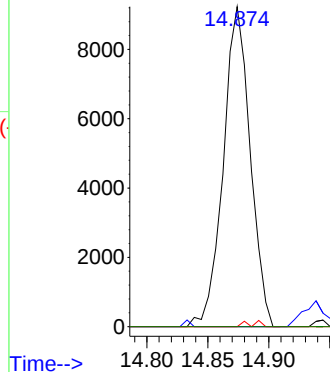
63 0.0 44.6 66.8#

89 0.0 67.4 101.0#

182 0.0 1.6 2.4#



Abundance



#58

Fluorene

Concen: 2.166 ng

RT: 15.920 min Scan# 2116

Delta R.T. 0.001 min

Lab File: BG052326.D

Acq: 8 Feb 2022 19:28

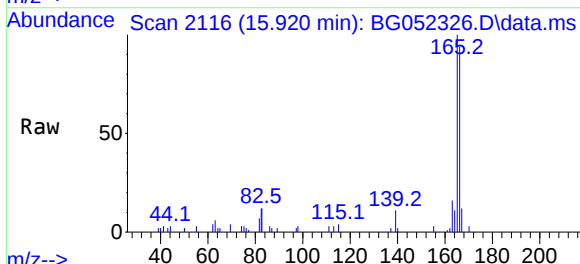
Tgt Ion:166 Resp: 16481

Ion Ratio Lower Upper

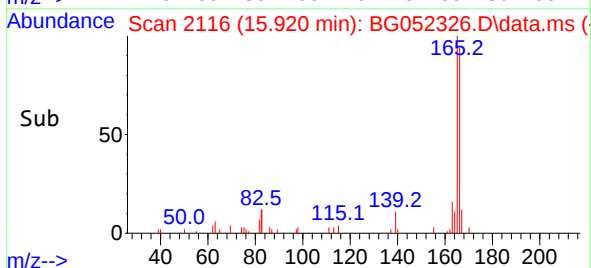
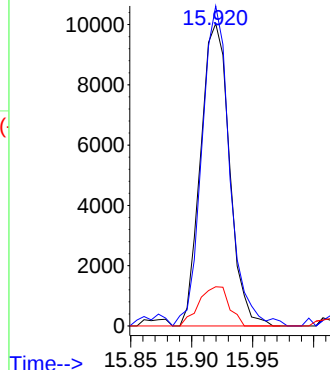
166 100

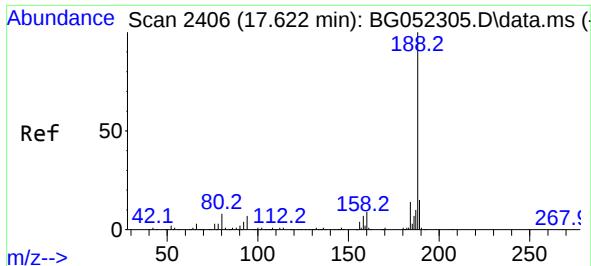
165 105.8 80.0 120.0

167 12.9 11.1 16.7



Abundance

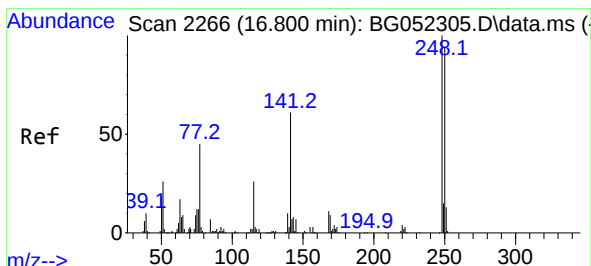
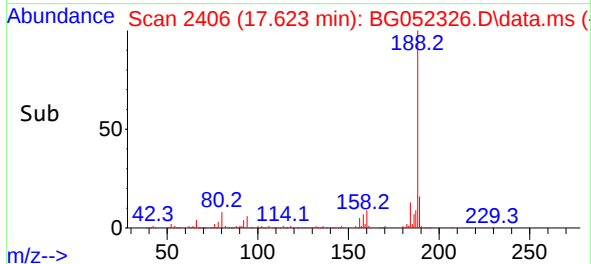
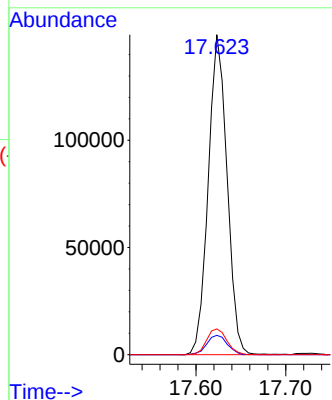
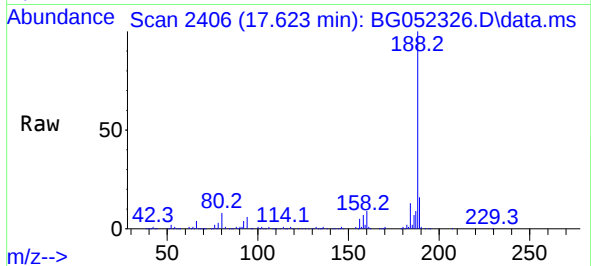




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.623 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

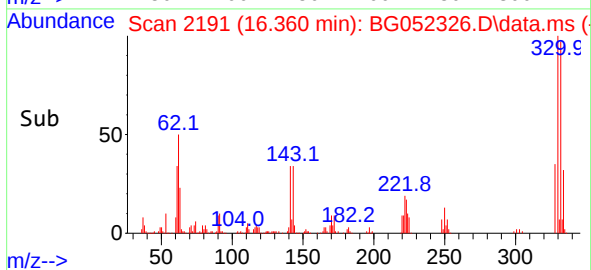
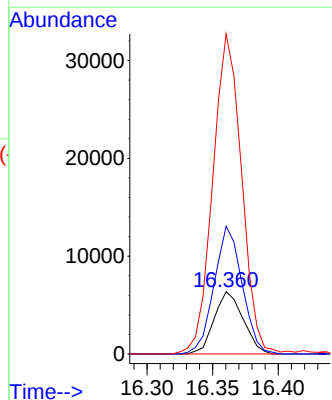
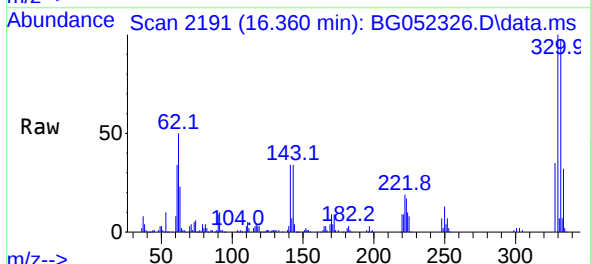
Instrument :
BNA_G
ClientSampleId :
PSC-124055

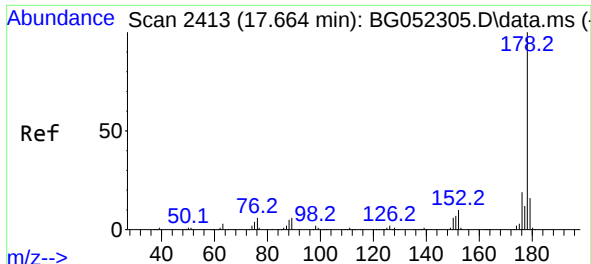
Tgt Ion:188 Resp: 217093
Ion Ratio Lower Upper
188 100
94 6.0 5.9 8.9
80 8.1 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 3.685 ng
RT: 16.360 min Scan# 2191
Delta R.T. -0.440 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:248 Resp: 9730
Ion Ratio Lower Upper
248 100
250 205.2 79.6 119.4#
141 514.2 54.6 81.8#

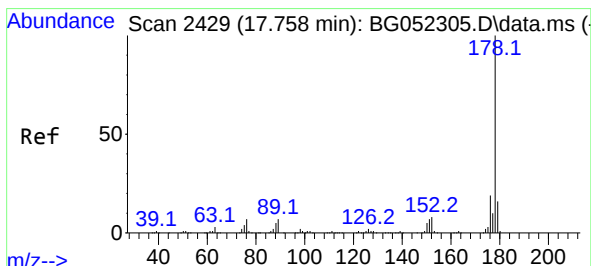
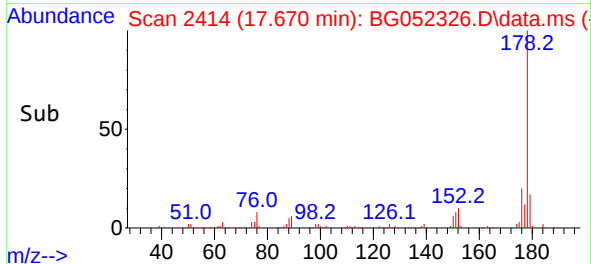
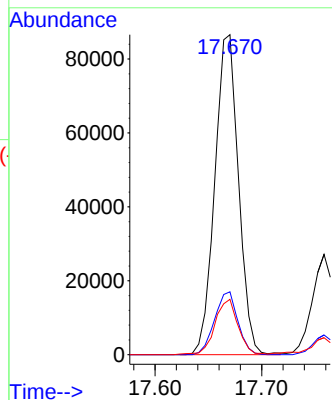
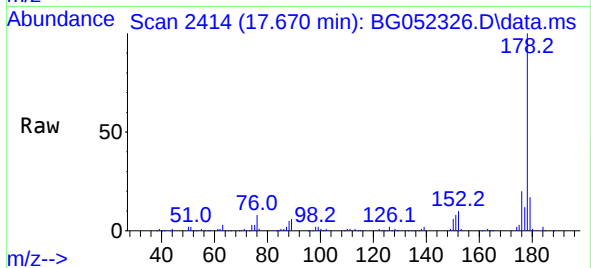




#71
Phenanthrene
Concen: 11.930 ng
RT: 17.670 min Scan# 2413
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

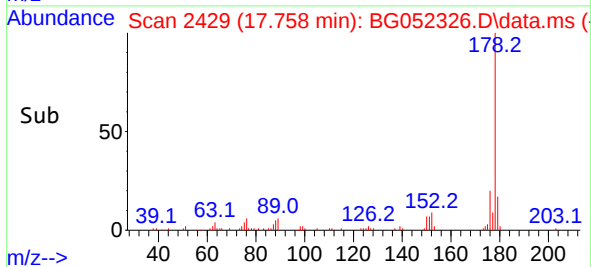
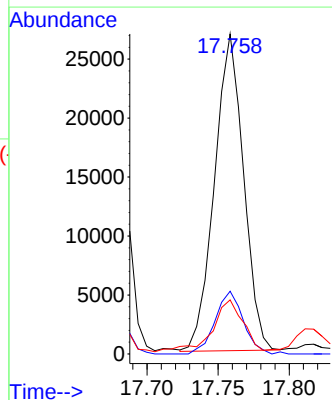
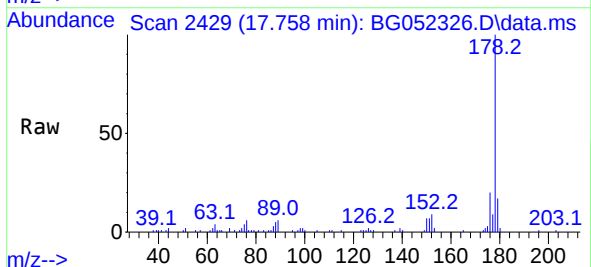
Instrument :
BNA_G
ClientSampleId :
PSC-124055

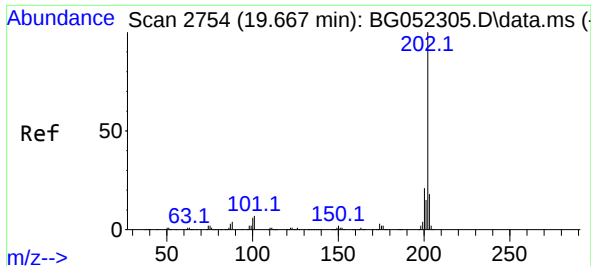
Tgt Ion:178 Resp: 133509
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 17.3 12.6 18.8



#72
Anthracene
Concen: 3.485 ng
RT: 17.758 min Scan# 2429
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:178 Resp: 38215
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 16.9 13.1 19.7

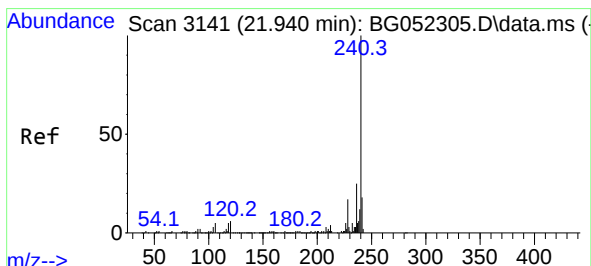
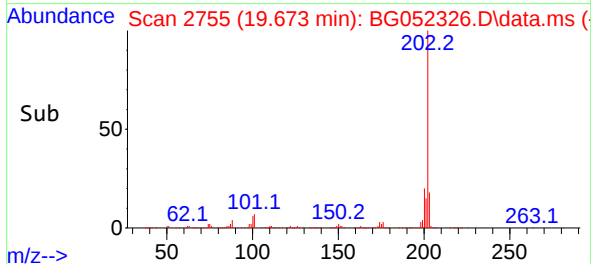
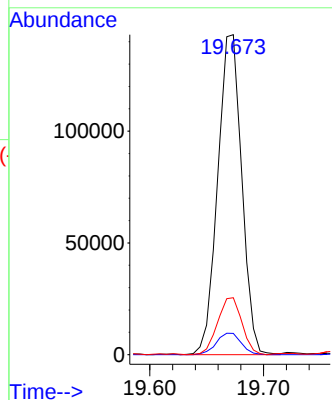
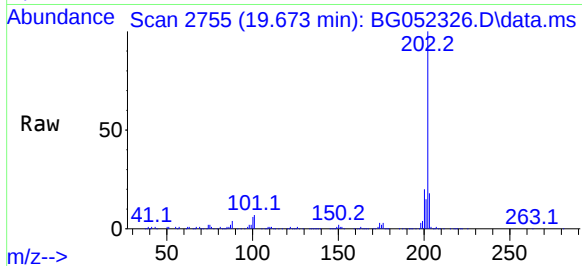




#75
Fluoranthene
Concen: 14.780 ng
RT: 19.673 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

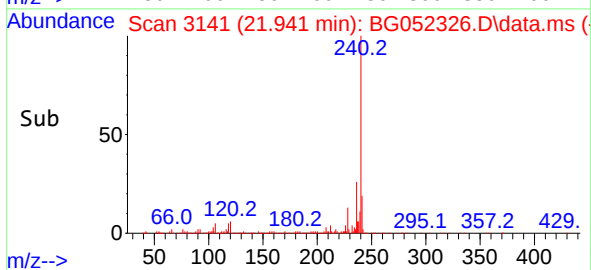
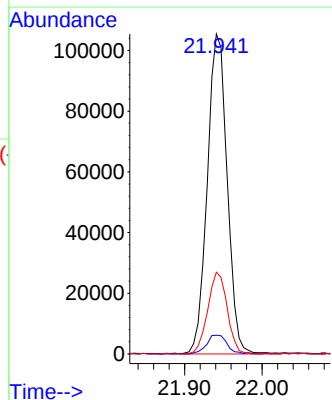
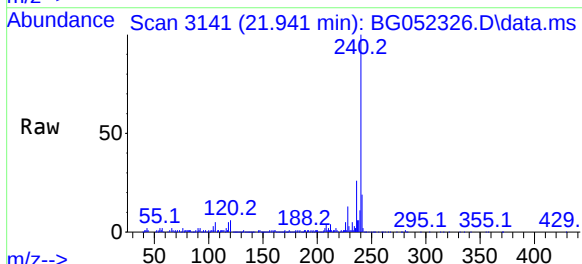
Instrument :
BNA_G
ClientSampleId :
PSC-124055

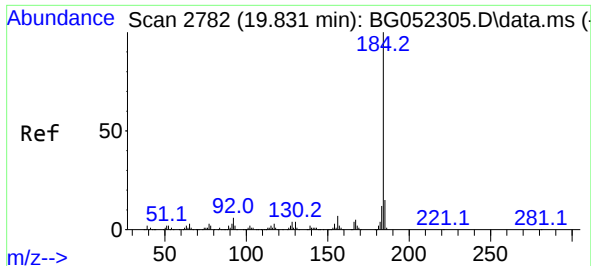
Tgt Ion:202 Resp: 210621
Ion Ratio Lower Upper
202 100
101 6.7 0.0 27.1
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.941 min Scan# 3141
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:240 Resp: 187804
Ion Ratio Lower Upper
240 100
120 5.9 4.4 6.6
236 25.6 20.8 31.2

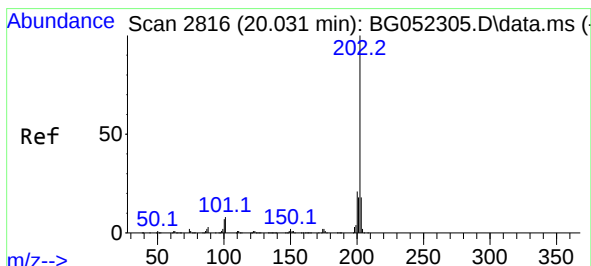
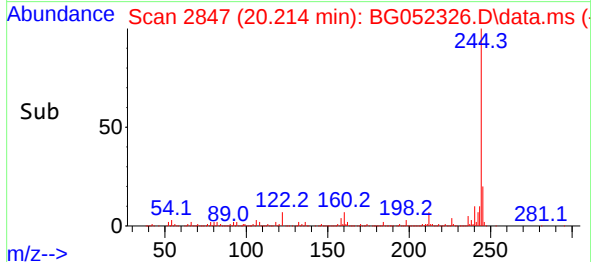
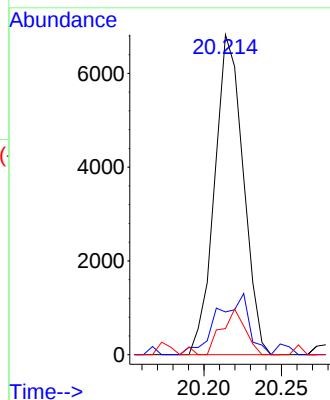
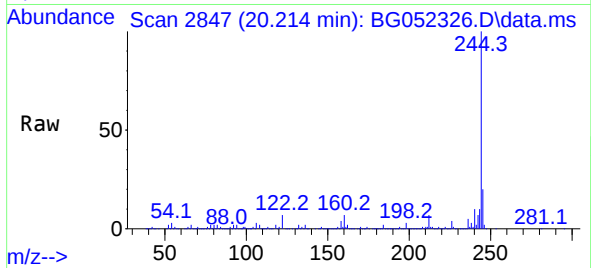




#77
Benzidine
Concen: 2.182 ng
RT: 20.214 min Scan# 21
Delta R.T. 0.383 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

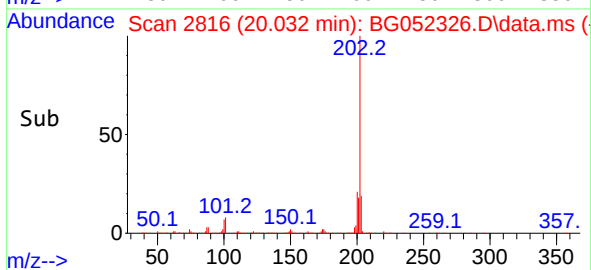
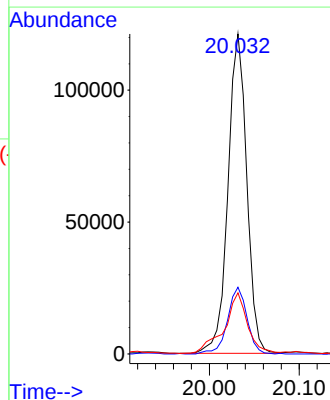
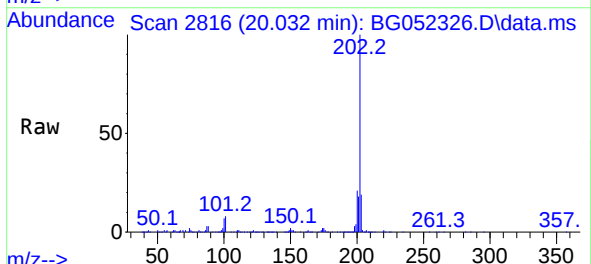
Instrument :
BNA_G
ClientSampleId :
PSC-124055

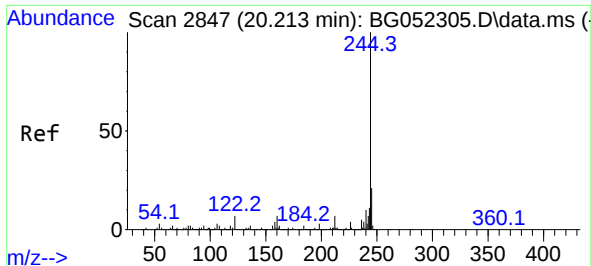
Tgt Ion:184 Resp: 8755
Ion Ratio Lower Upper
184 100
185 13.3 11.8 17.8
183 8.1 9.8 14.6#



#78
Pyrene
Concen: 14.007 ng
RT: 20.032 min Scan# 2816
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:202 Resp: 176016
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 19.1 14.5 21.7

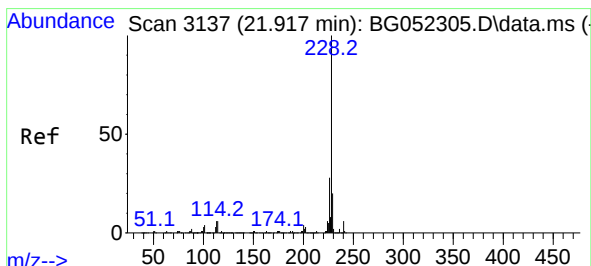
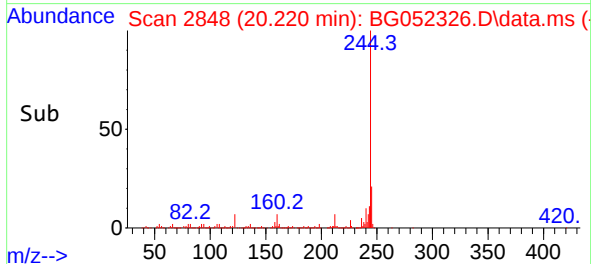
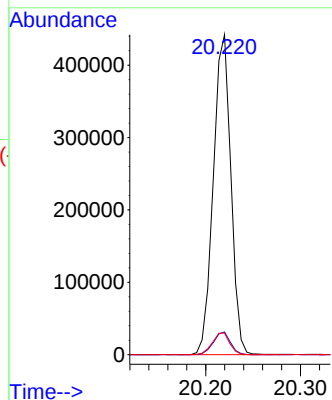
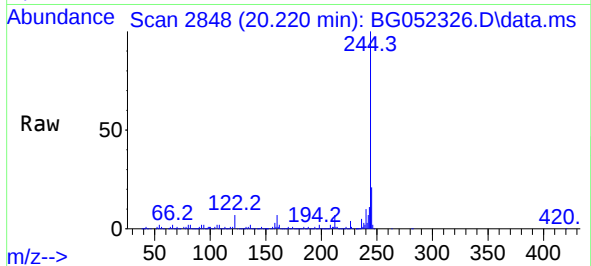




#79
 Terphenyl-d14
 Concen: 53.372 ng
 RT: 20.220 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG052326.D
 Acq: 8 Feb 2022 19:28

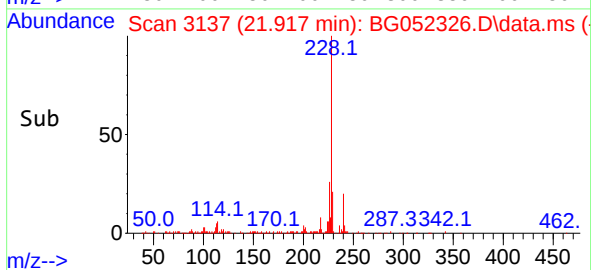
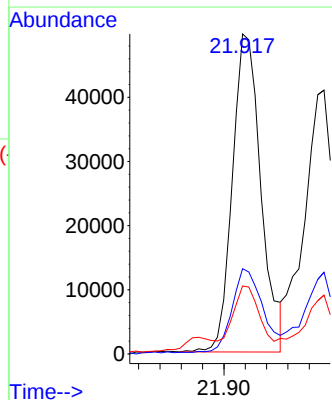
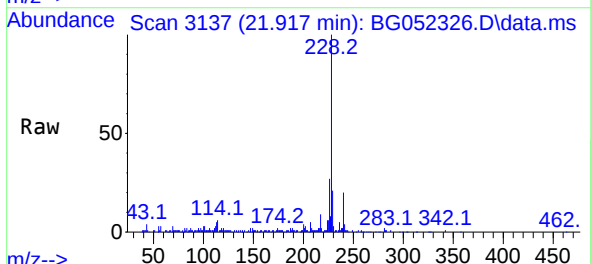
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124055

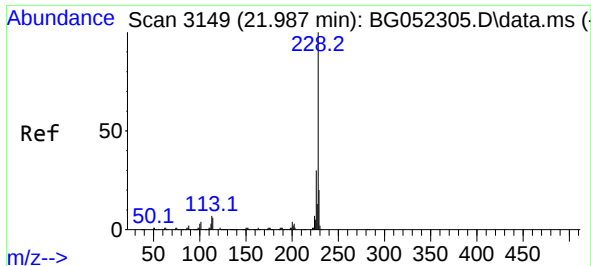
Tgt Ion:244 Resp: 567628
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 6.7 6.2 9.4



#81
 Benzo(a)anthracene
 Concen: 7.433 ng
 RT: 21.917 min Scan# 3137
 Delta R.T. 0.001 min
 Lab File: BG052326.D
 Acq: 8 Feb 2022 19:28

Tgt Ion:228 Resp: 92371
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.6 32.4
 229 21.2 16.0 24.0

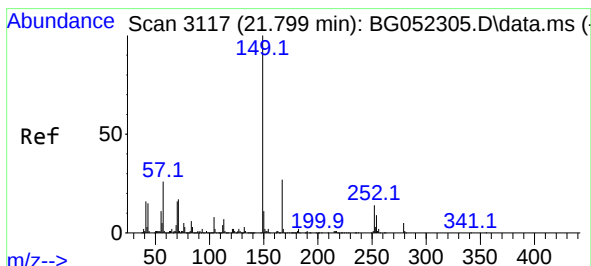
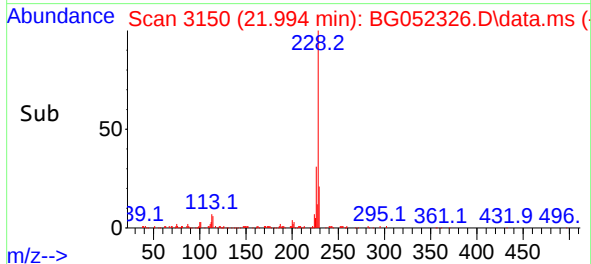
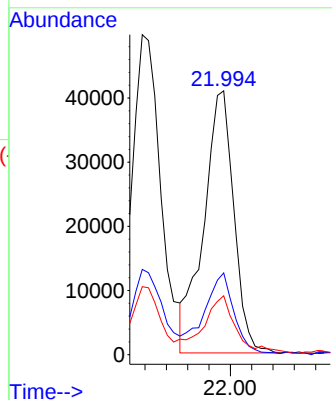
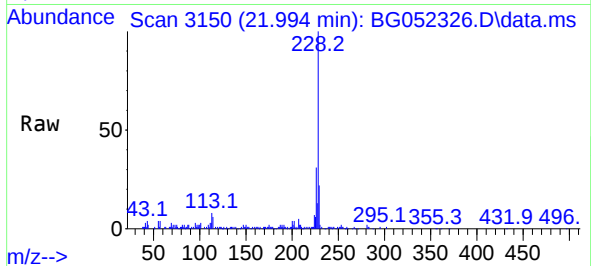




#83
Chrysene
Concen: 6.824 ng
RT: 21.994 min Scan# 3149
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

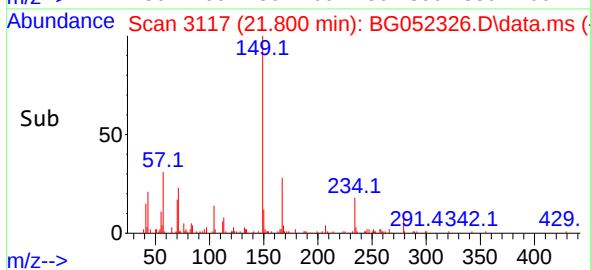
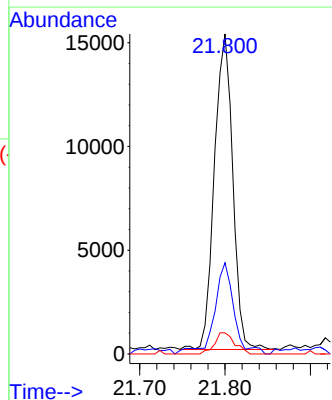
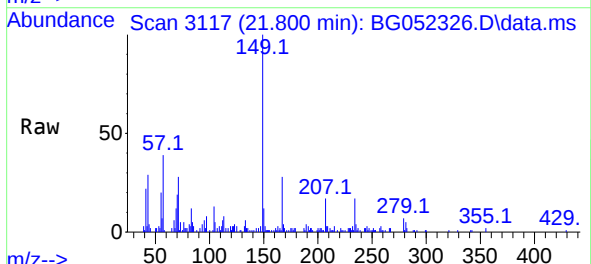
Instrument :
BNA_G
ClientSampleId :
PSC-124055

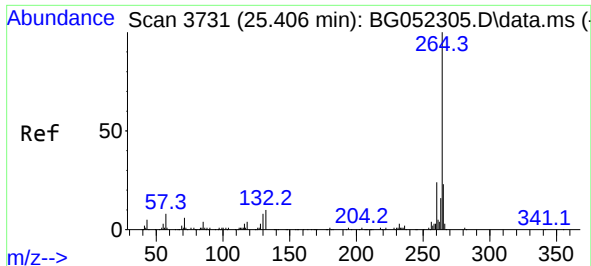
Tgt Ion:228 Resp: 80366
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 22.3 16.4 24.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.762 ng
RT: 21.800 min Scan# 3117
Delta R.T. 0.001 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:149 Resp: 22773
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.0
279 6.6 4.2 6.2#



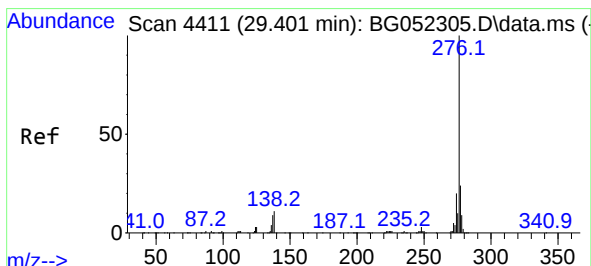
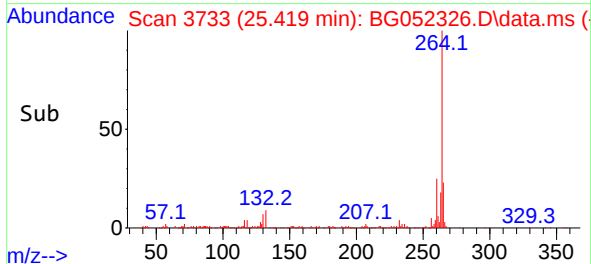
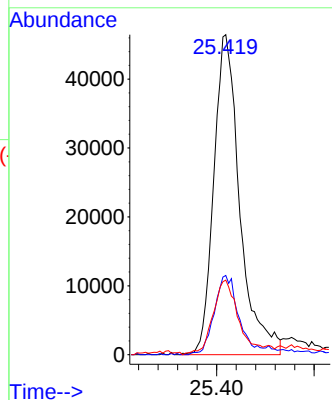
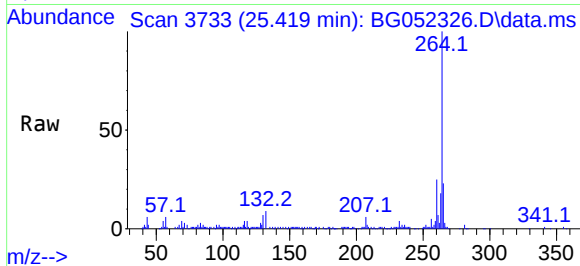


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.419 min Scan# 31
Delta R.T. 0.013 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Instrument :
BNA_G
ClientSampleId :
PSC-124055

Tgt Ion:264 Resp: 171977

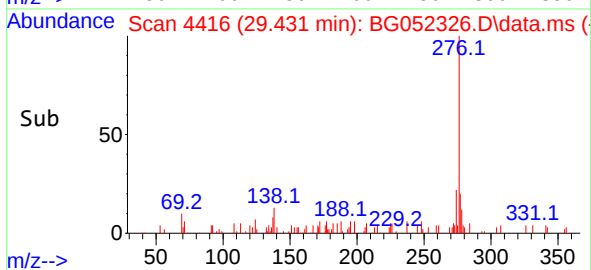
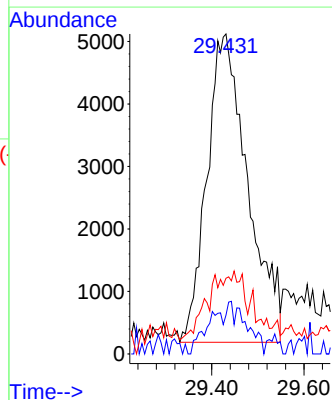
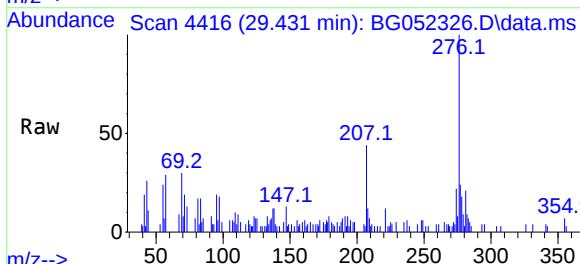
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.5	27.7
265	23.3	17.8	26.6

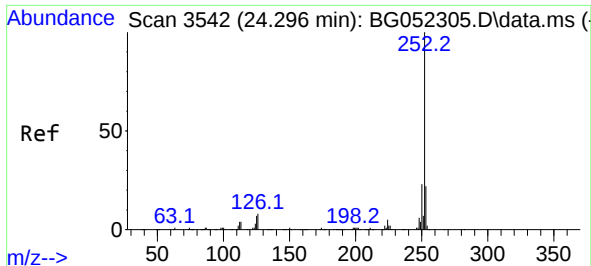


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.417 ng
RT: 29.431 min Scan# 4416
Delta R.T. 0.030 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Tgt Ion:276 Resp: 30414

Ion	Ratio	Lower	Upper
276	100		
138	1.1	6.1	9.1#
277	0.0	20.2	30.4#

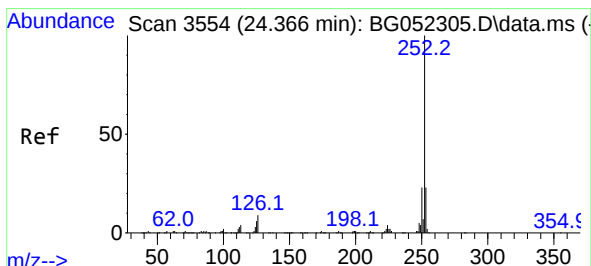
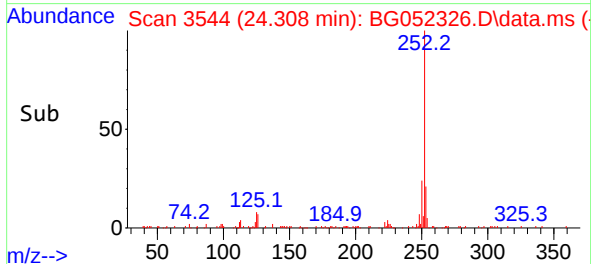
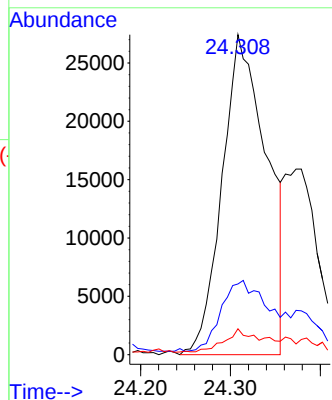
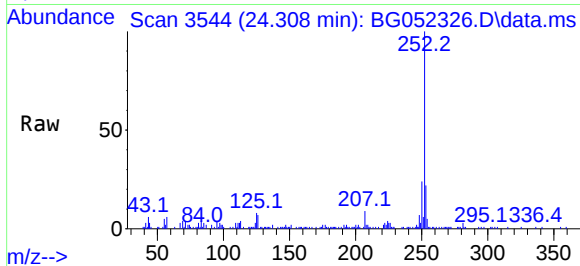




#88
Benzo(b)fluoranthene
Concen: 8.807 ng
RT: 24.308 min Scan# 3544
Delta R.T. 0.013 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

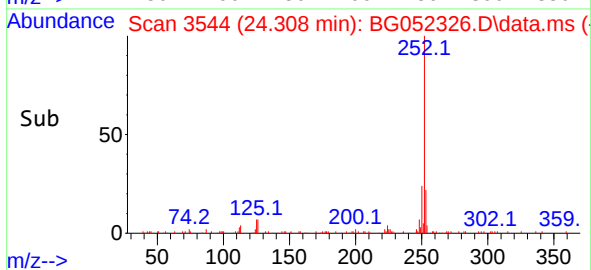
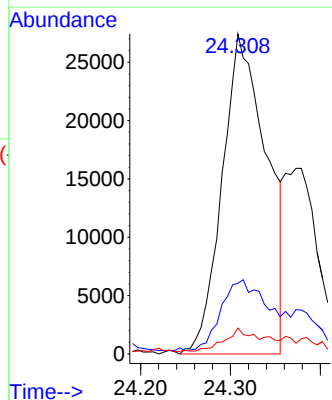
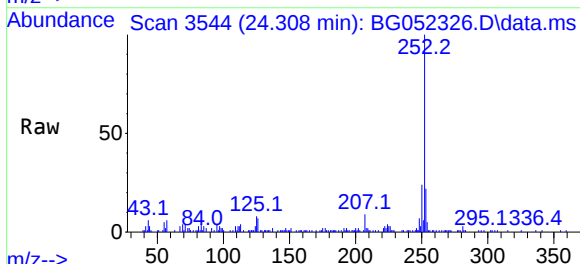
Instrument :
BNA_G
ClientSampleId :
PSC-124055

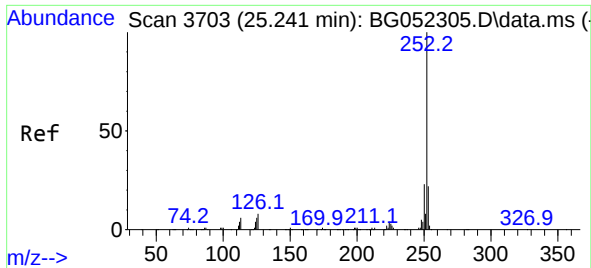
Tgt Ion:252 Resp: 94388
Ion Ratio Lower Upper
252 100
253 22.1 18.3 27.5
125 8.1 5.4 8.2



#89
Benzo(k)fluoranthene
Concen: 8.916 ng
RT: 24.308 min Scan# 3544
Delta R.T. -0.058 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

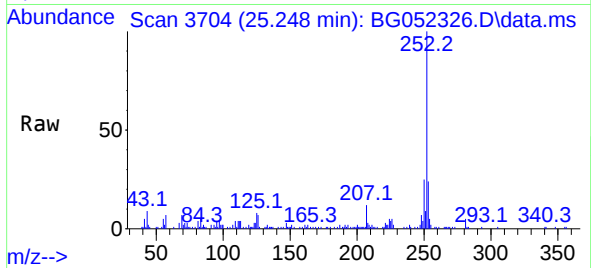
Tgt Ion:252 Resp: 94388
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 8.1 4.6 7.0#





#90
Benzo(a)pyrene
Concen: 7.413 ng
RT: 25.248 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG052326.D
Acq: 8 Feb 2022 19:28

Instrument :
BNA_G
ClientSampleId :
PSC-124055



Tgt Ion:252 Resp: 67113
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 7.7 5.0 7.6#

