

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051074.D
 Acq On : 16 Nov 2021 19:57
 Operator : CG/JU
 Sample : M4701-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-111521

Quant Time: Nov 17 00:42:33 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

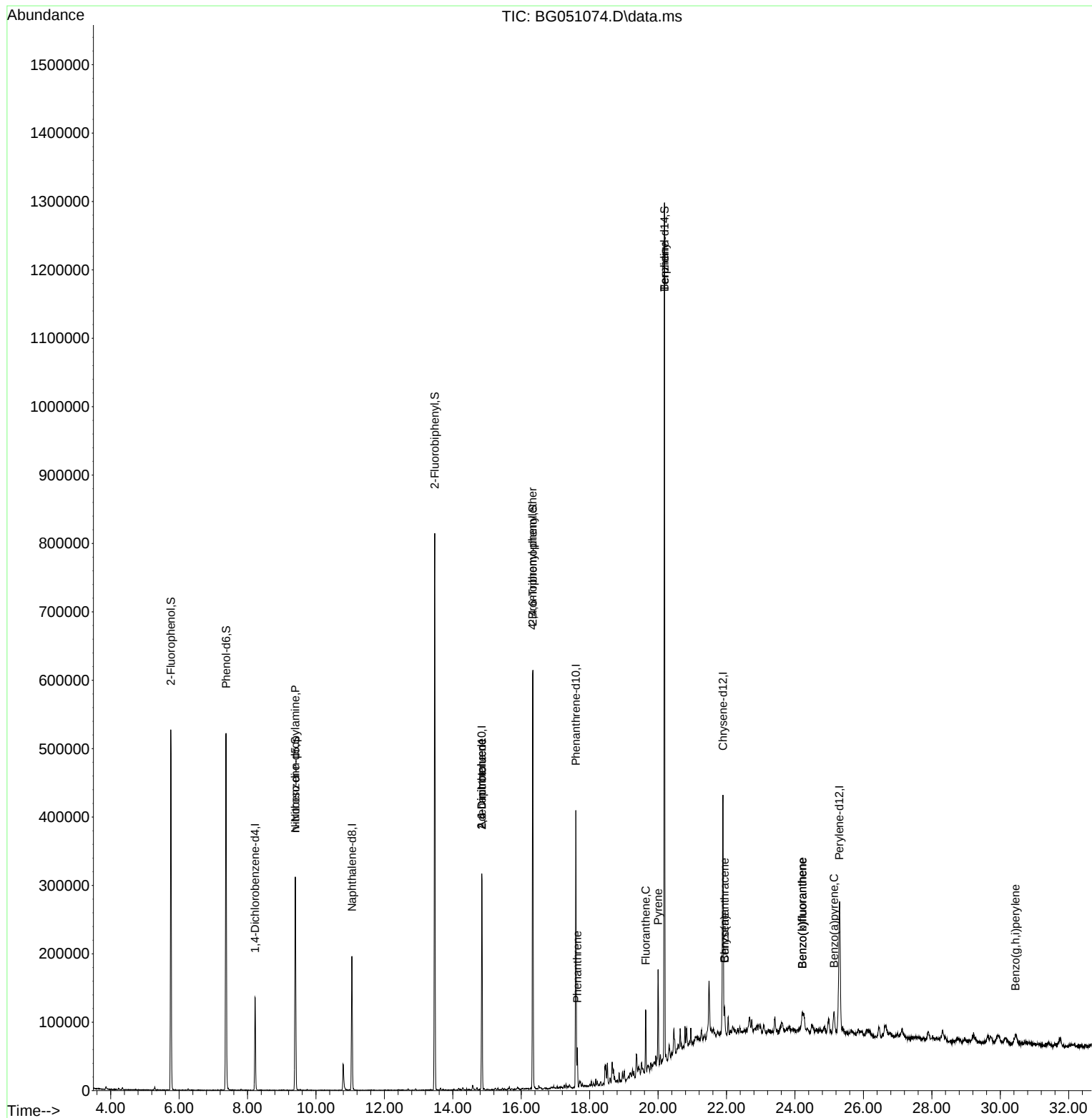
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	37691	20.000	ng	-0.01
21) Naphthalene-d8	11.050	136	166757	20.000	ng	# 0.00
39) Acenaphthene-d10	14.846	164	112318	20.000	ng	-0.01
64) Phenanthrene-d10	17.596	188	241961	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	209118	20.000	ng	# 0.00
86) Perylene-d12	25.298	264	210204	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.757	112	231386	91.834	ng	0.00
7) Phenol-d6	7.372	99	312896	87.983	ng	0.00
23) Nitrobenzene-d5	9.399	82	208064	55.232	ng	0.00
42) 2,4,6-Tribromophenol	16.338	330	101771	90.544	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	414254	58.275	ng	0.00
79) Terphenyl-d14	20.187	244	593247	51.909	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.399	70	30012	11.420	ng	# 67
51) 2,6-Dinitrotoluene	14.846	165	14634	8.046	ng	# 11
57) 2,4-Dinitrotoluene	14.846	165	14634	5.671	ng	# 16
67) 4-Bromophenyl-phenylether	16.332	248	7859	3.101	ng	# 1
71) Phenanthrene	17.637	178	34801	2.696	ng	95
75) Fluoranthene	19.634	202	56343	3.558	ng	95
77) Benzidine	20.187	184	10632	2.690	ng	# 87
78) Pyrene	19.999	202	83474	5.321	ng	98
81) Benzo(a)anthracene	21.943	228	31997	2.228	ng	95
83) Chrysene	21.943	228	31997	2.362	ng	95
88) Benzo(b)fluoranthene	24.217	252	42796	3.234	ng	# 90
89) Benzo(k)fluoranthene	24.217	252	42796	3.243	ng	# 94
90) Benzo(a)pyrene	25.140	252	31029	2.747	ng	# 91
92) Benzo(g,h,i)perylene	30.445	276	30712	2.541	ng	# 87

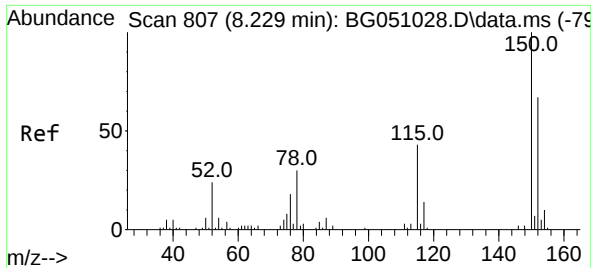
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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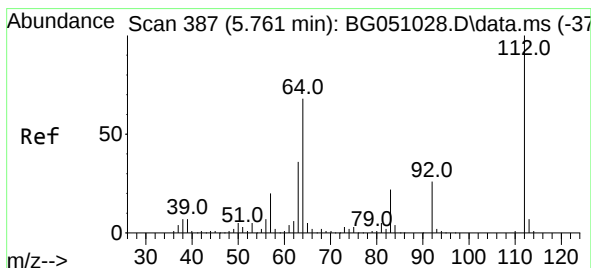
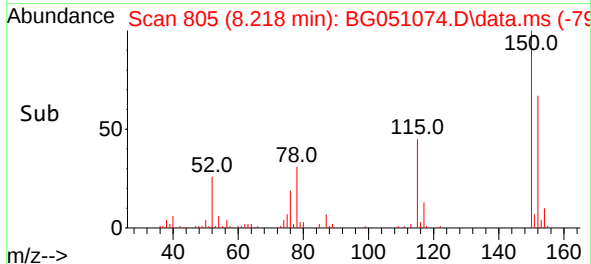
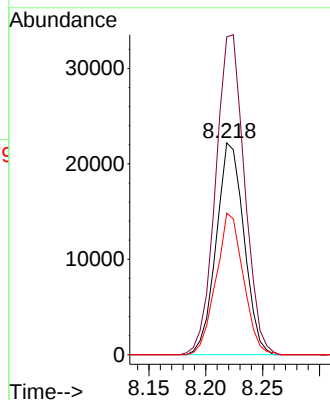
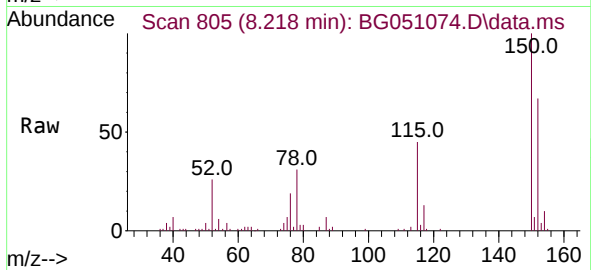




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 807
Delta R.T. -0.011 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

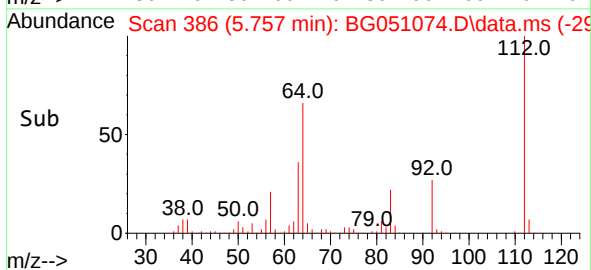
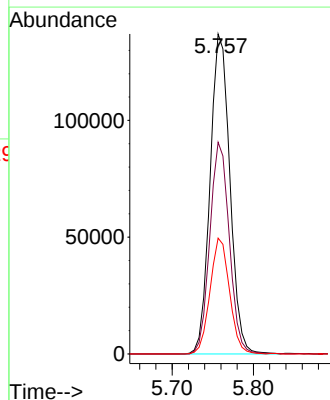
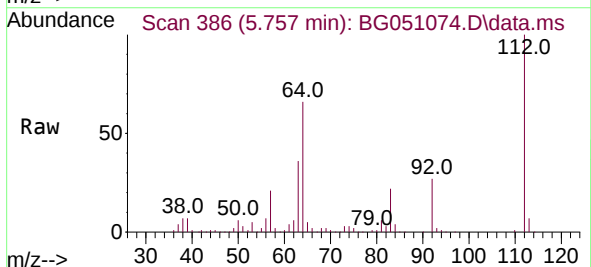
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BNA_G
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OR-03-111521

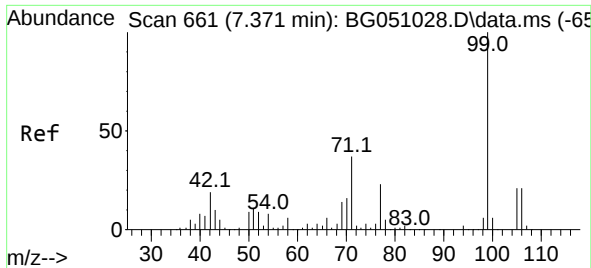
Tgt Ion:152 Resp: 37691
Ion Ratio Lower Upper
152 100
150 150.0 119.4 179.0
115 66.8 60.2 90.4



#5
2-Fluorophenol
Concen: 91.834 ng
RT: 5.757 min Scan# 386
Delta R.T. -0.005 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:112 Resp: 231386
Ion Ratio Lower Upper
112 100
64 66.2 46.7 70.1
63 36.2 35.3 52.9

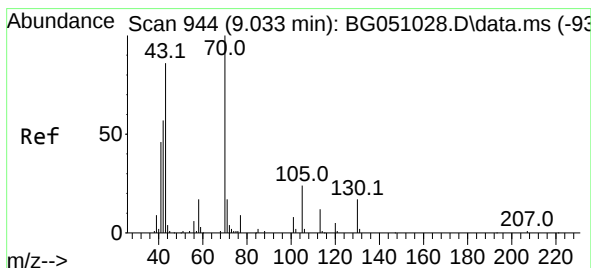
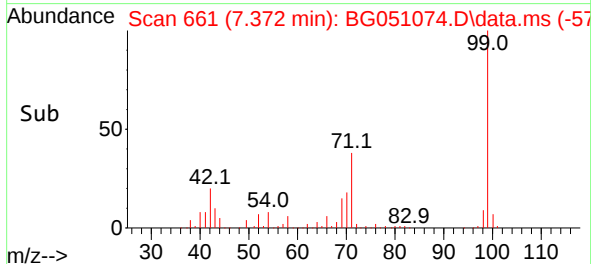
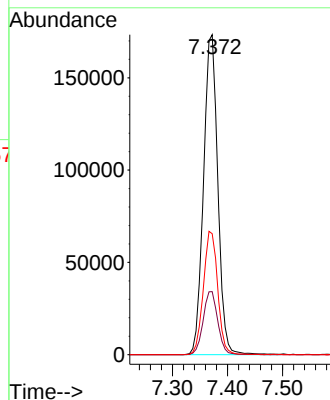
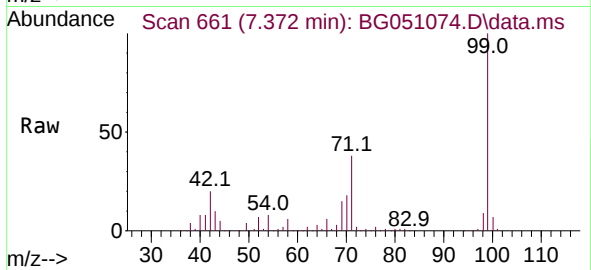




#7
Phenol-d6
Concen: 87.983 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

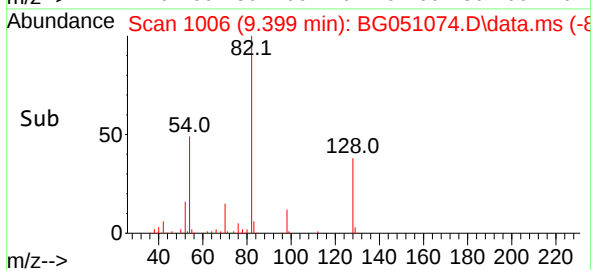
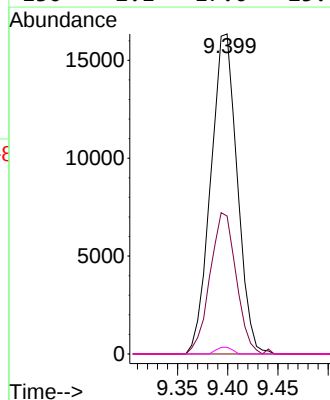
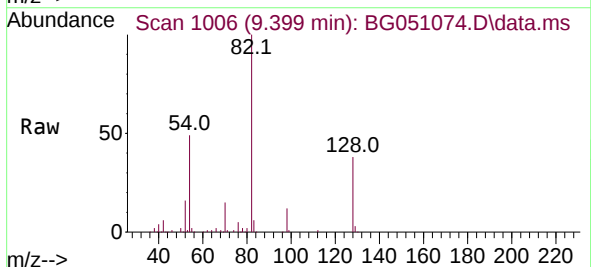
Instrument :
BNA_G
ClientSampleId :
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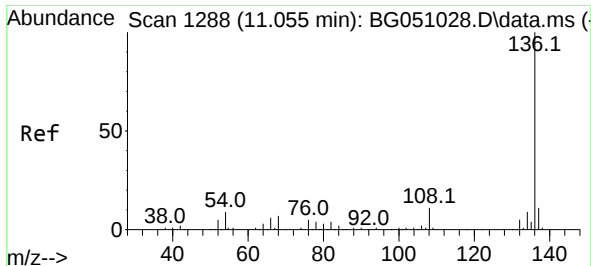
Tgt Ion: 99 Resp: 312896
Ion Ratio Lower Upper
99 100
42 19.7 20.5 30.7#
71 37.8 41.5 62.3#



#19
n-Nitroso-di-n-propylamine
Concen: 11.420 ng
RT: 9.399 min Scan# 1006
Delta R.T. 0.366 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion: 70 Resp: 30012
Ion Ratio Lower Upper
70 100
42 43.1 54.5 81.7#
101 0.0 9.0 13.6#
130 2.1 17.0 25.6#

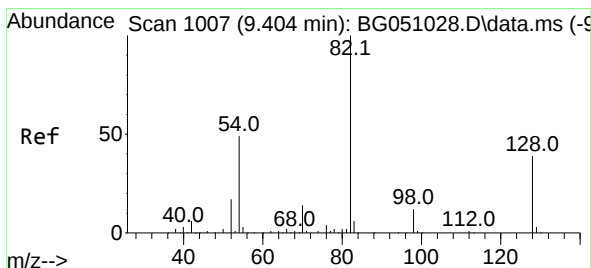
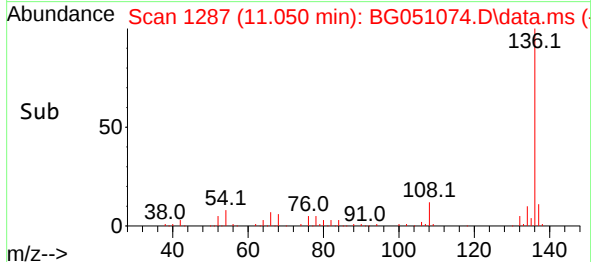
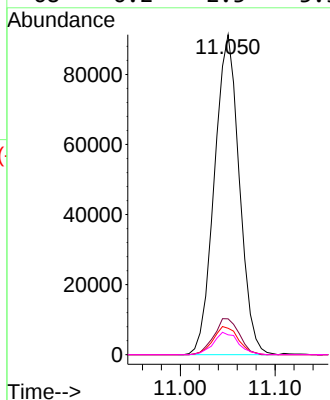
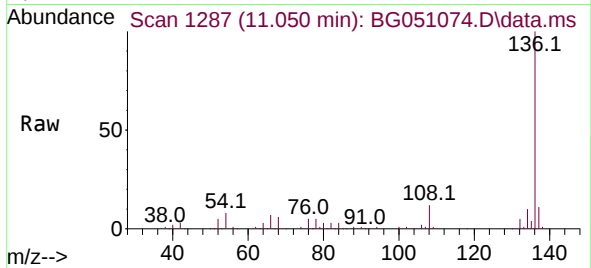




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1106
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

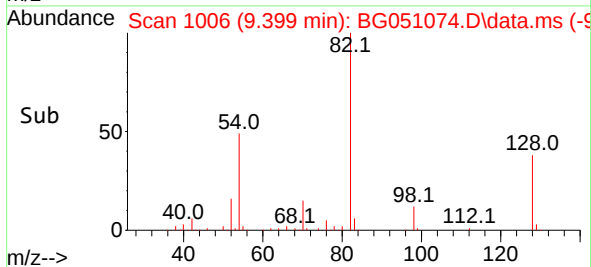
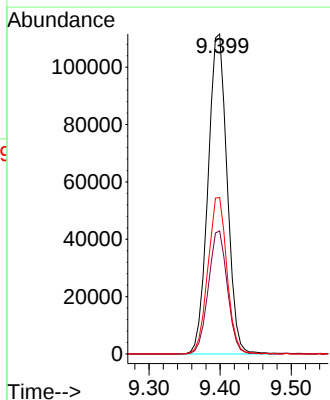
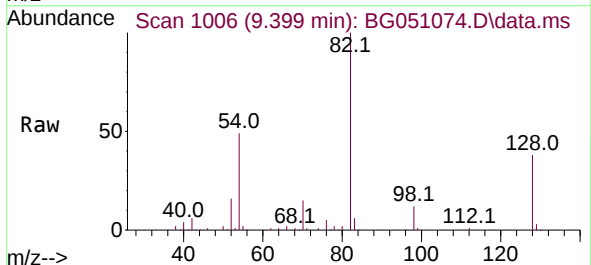
Instrument :
BNA_G
ClientSampleId :
OR-03-111521

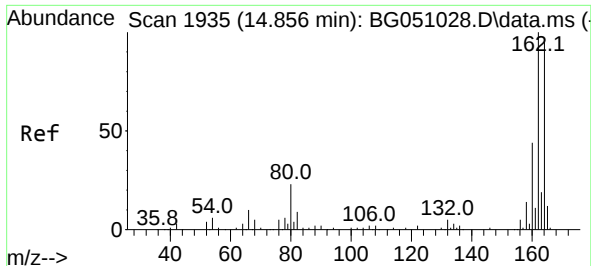
Tgt Ion:	136	Resp:	166757
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.2
54	8.3	5.5	8.3
68	6.2	2.3	3.5



#23
Nitrobenzene-d5
Concen: 55.232 ng
RT: 9.399 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

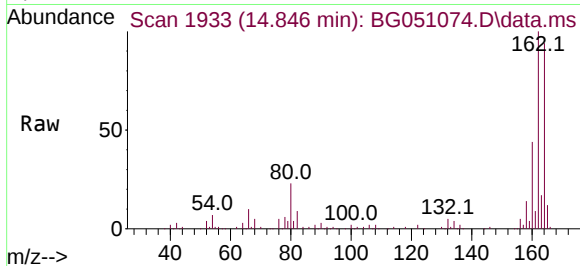
Tgt Ion:	82	Resp:	208064
Ion Ratio	Lower	Upper	
82	100		
128	38.4	29.8	44.6
54	48.9	45.8	68.8



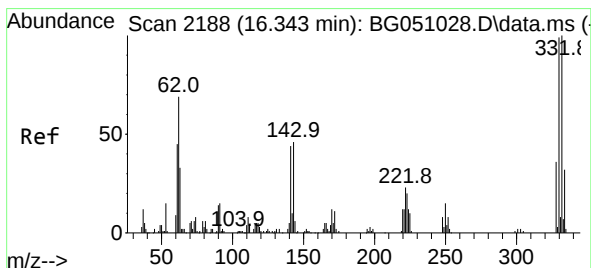
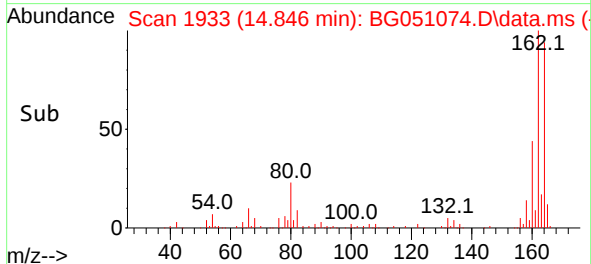
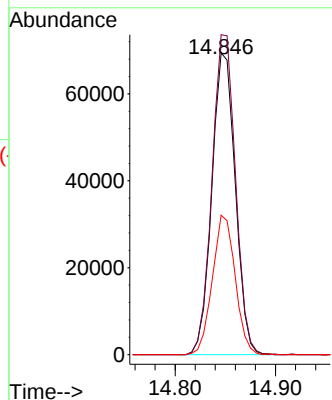


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 1933
Delta R.T. -0.010 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Instrument :
BNA_G
ClientSampleId :
OR-03-111521

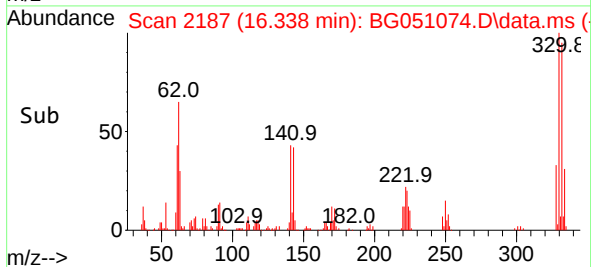
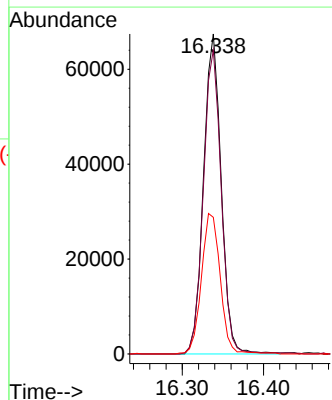
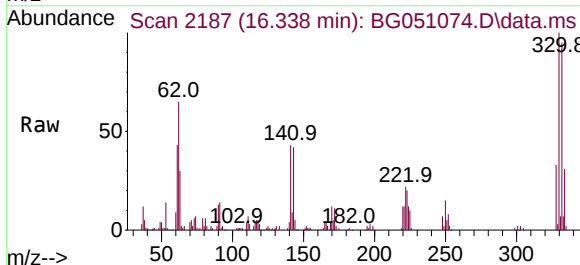


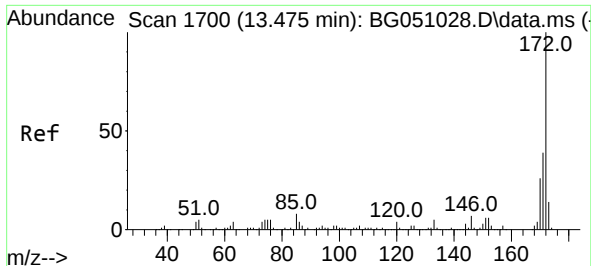
Tgt Ion:164 Resp: 112318
Ion Ratio Lower Upper
164 100
162 106.1 81.4 122.0
160 46.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 90.544 ng
RT: 16.338 min Scan# 2187
Delta R.T. -0.005 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:330 Resp: 101771
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 46.9 35.6 53.4

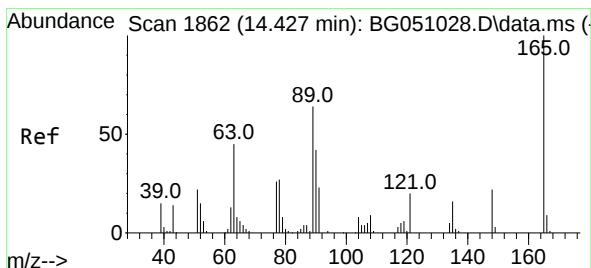
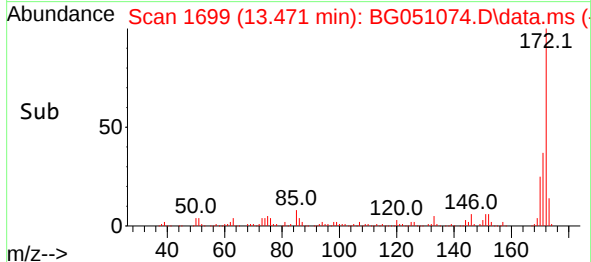
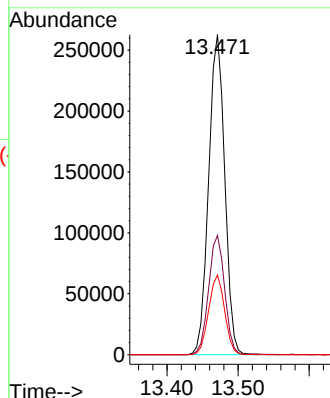
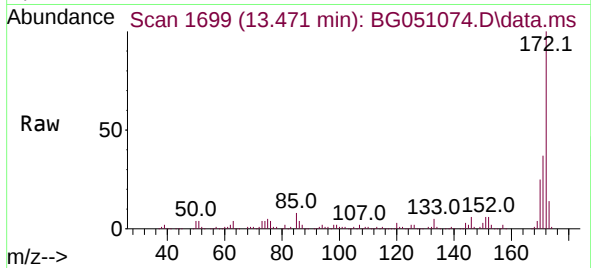




#45
2-Fluorobiphenyl
Concen: 58.275 ng
RT: 13.471 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

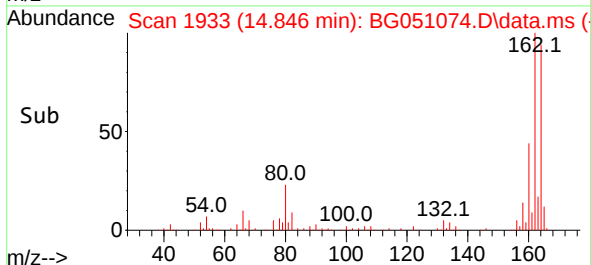
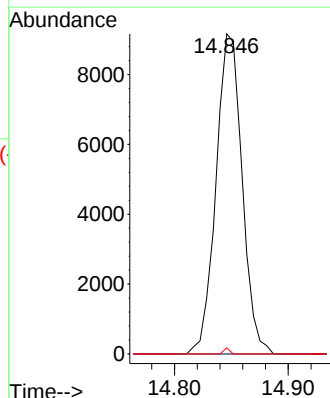
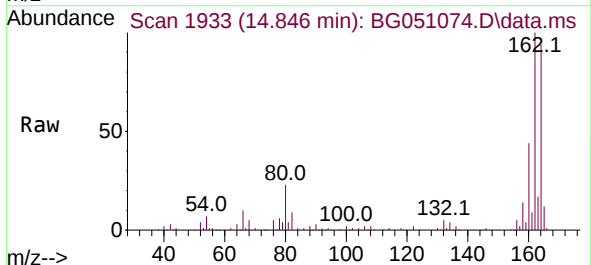
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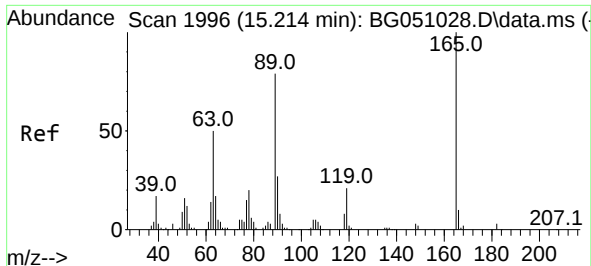
Tgt Ion:172 Resp: 414254
Ion Ratio Lower Upper
172 100
171 37.3 28.6 43.0
170 24.9 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.046 ng
RT: 14.846 min Scan# 1933
Delta R.T. 0.419 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:165 Resp: 14634
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.9 63.4 95.0#

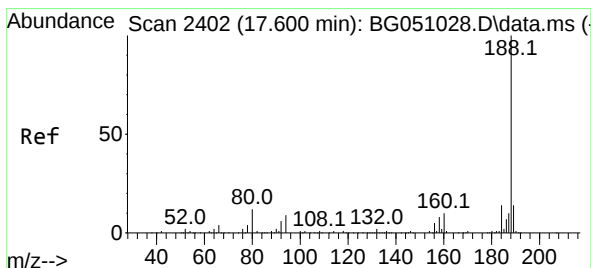
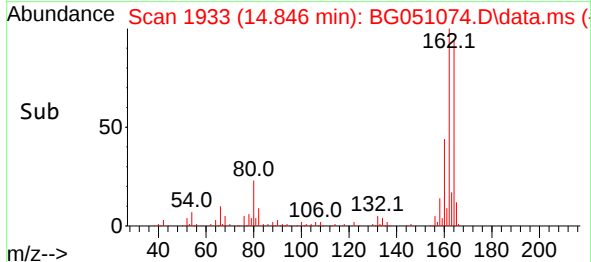
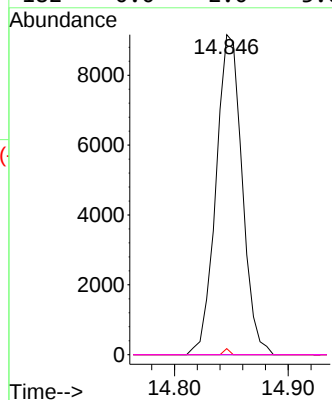
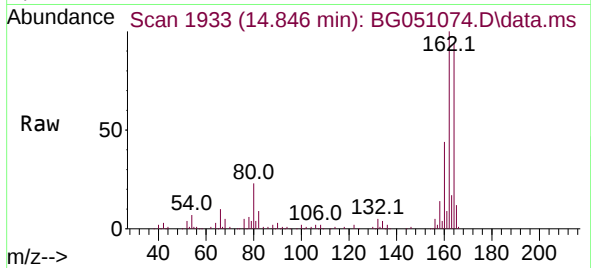




#57
2,4-Dinitrotoluene
Concen: 5.671 ng
RT: 14.846 min Scan# 1996
Delta R.T. -0.369 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

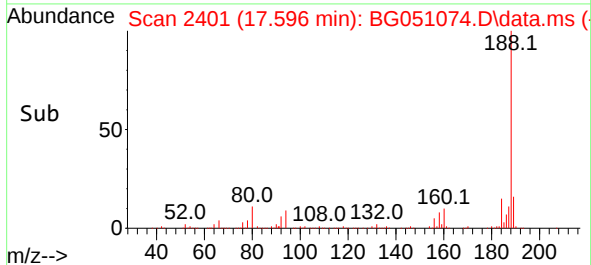
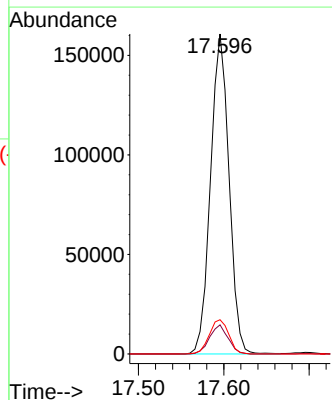
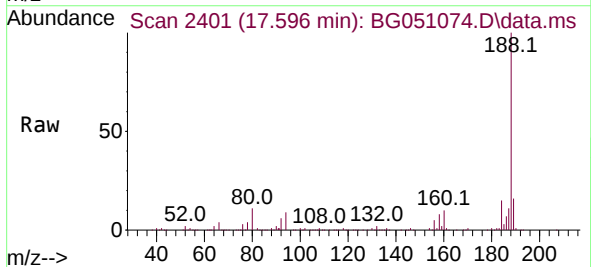
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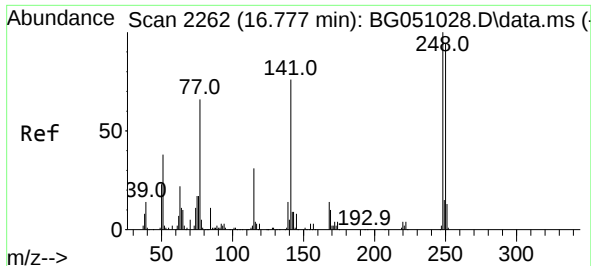
Tgt Ion:165	Resp:	14634
Ion Ratio	Lower	Upper
165	100	
63	0.0	48.0 72.0#
89	1.9	65.4 98.0#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.596 min Scan# 2401
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:188	Resp:	241961
Ion Ratio	Lower	Upper
188	100	
94	9.1	5.4 8.0#
80	10.7	3.7 5.5#

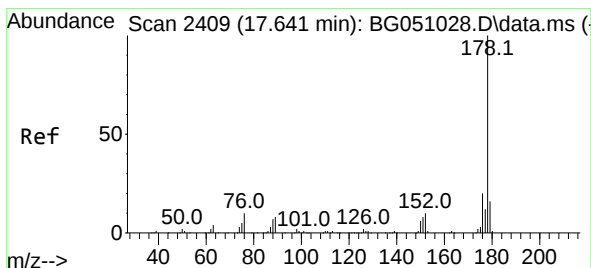
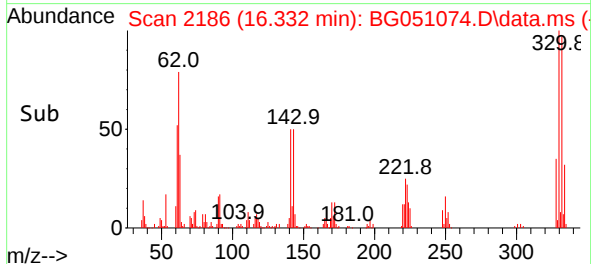
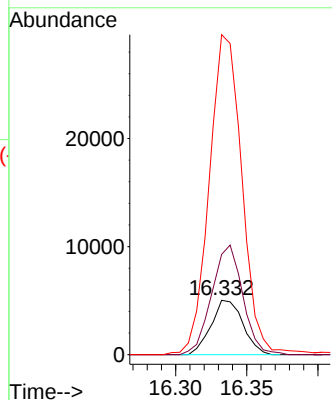
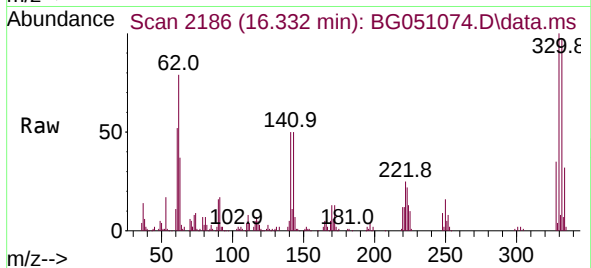




#67
4-Bromophenyl-phenylether
Concen: 3.101 ng
RT: 16.332 min Scan# 2186
Delta R.T. -0.445 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

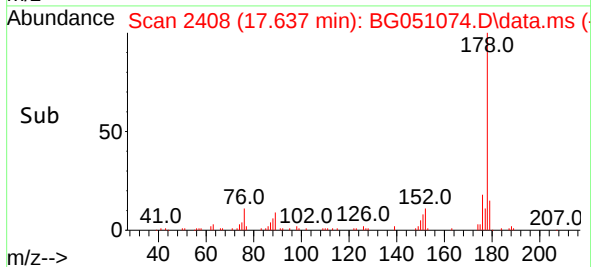
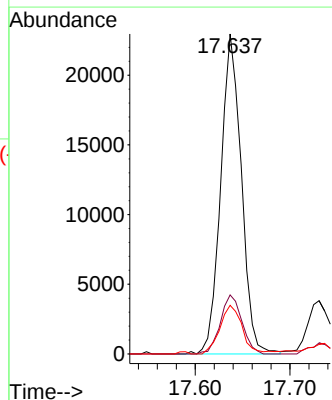
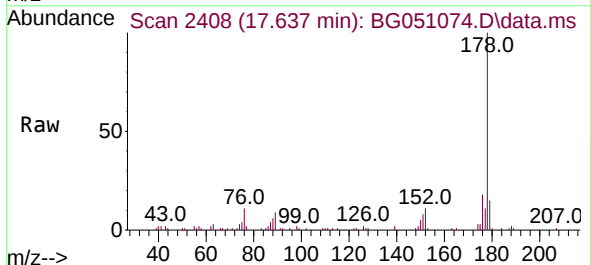
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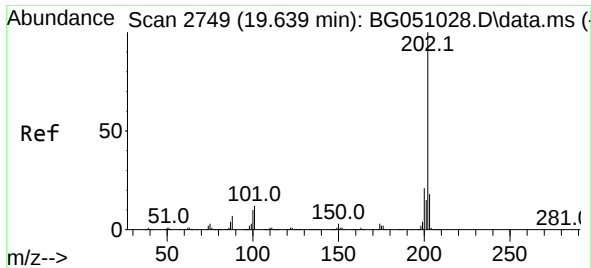
Tgt Ion:248 Resp: 7859
Ion Ratio Lower Upper
248 100
250 184.4 76.1 114.1#
141 587.6 65.4 98.2#



#71
Phenanthrene
Concen: 2.696 ng
RT: 17.637 min Scan# 2408
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:178 Resp: 34801
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.2 14.2 21.4

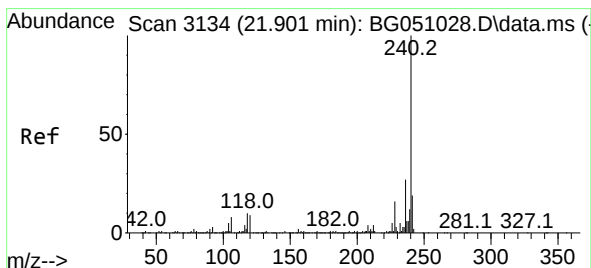
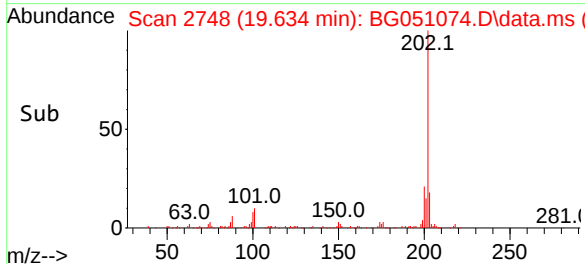
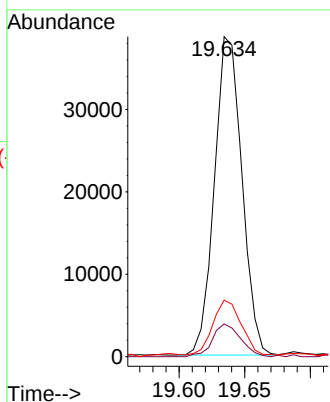
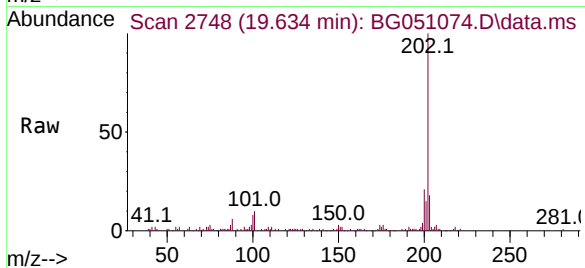




#75
Fluoranthene
Concen: 3.558 ng
RT: 19.634 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

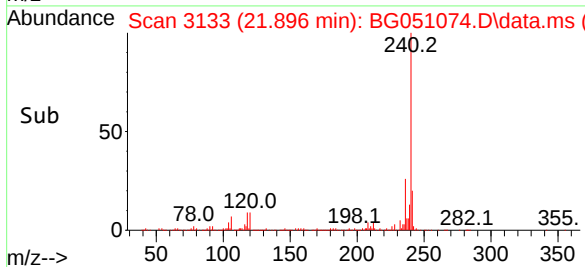
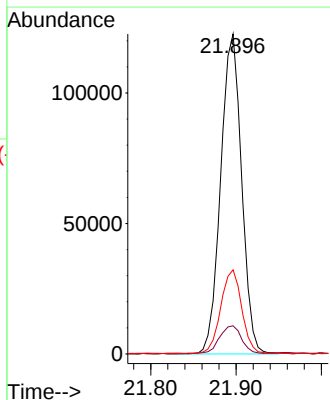
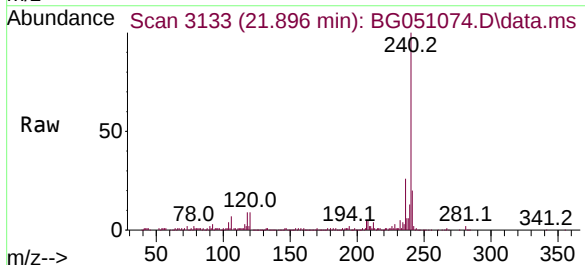
Instrument :
BNA_G
ClientSampleId :
OR-03-111521

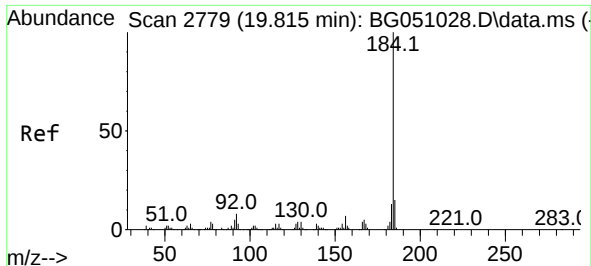
Tgt Ion:202 Resp: 56343
Ion Ratio Lower Upper
202 100
101 10.2 0.0 24.7
203 17.6 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3133
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:240 Resp: 209118
Ion Ratio Lower Upper
240 100
120 8.8 4.2 6.2#
236 26.3 21.8 32.6

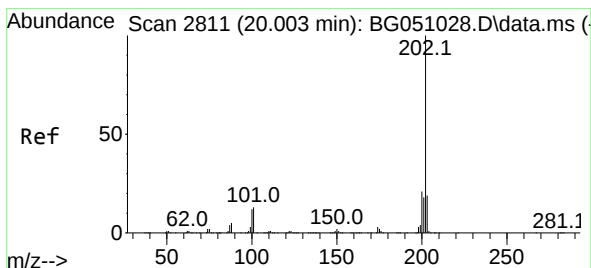
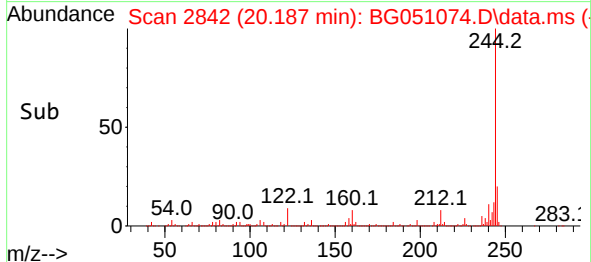
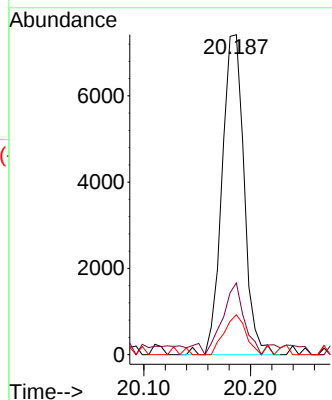
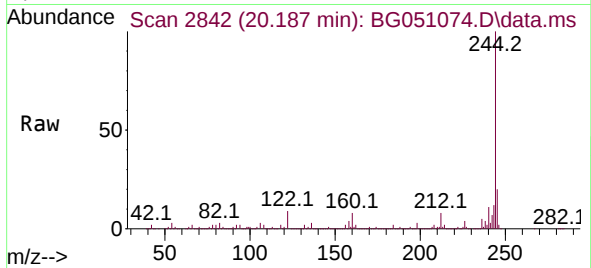




#77
Benzidine
Concen: 2.690 ng
RT: 20.187 min Scan# 21
Delta R.T. 0.372 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

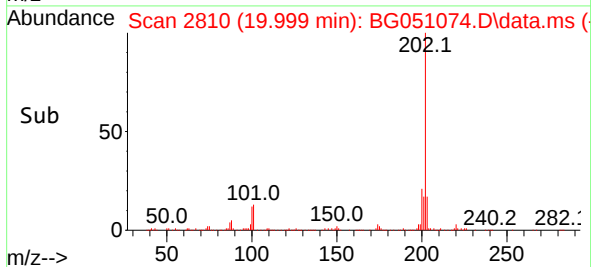
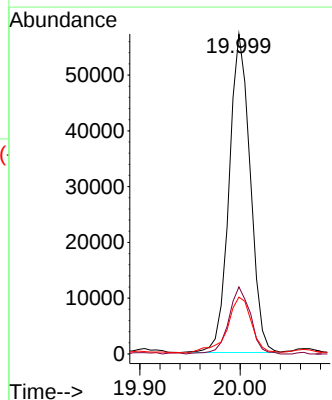
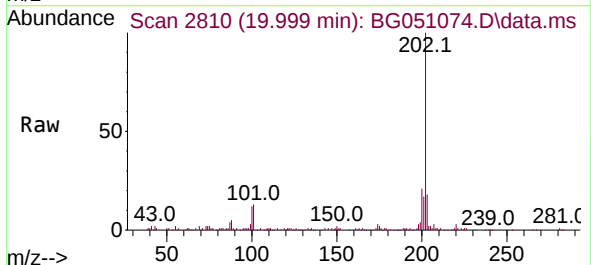
Instrument :
BNA_G
ClientSampleId :
OR-03-111521

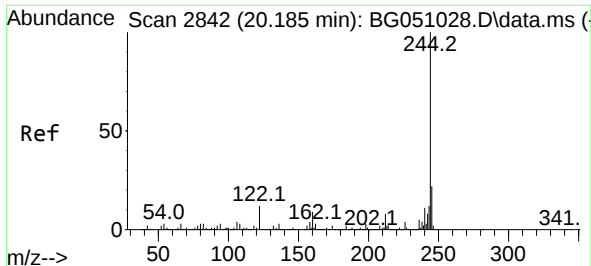
Tgt Ion:184 Resp: 10632
Ion Ratio Lower Upper
184 100
185 22.4 10.7 16.1#
183 12.5 9.4 14.0



#78
Pyrene
Concen: 5.321 ng
RT: 19.999 min Scan# 2810
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:202 Resp: 83474
Ion Ratio Lower Upper
202 100
200 20.9 15.8 23.8
203 17.7 14.6 21.8

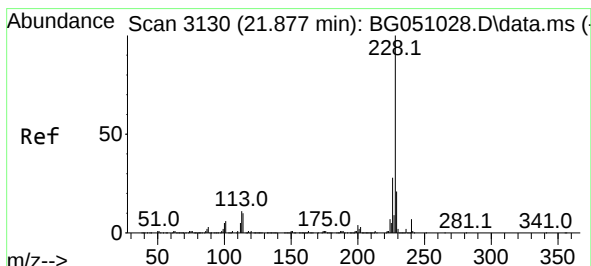
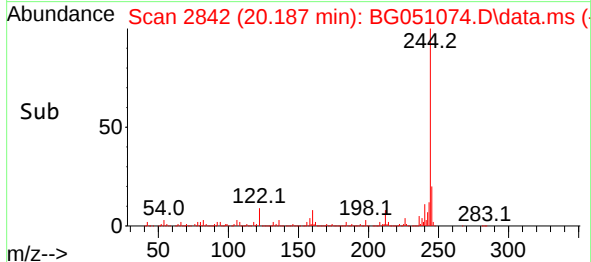
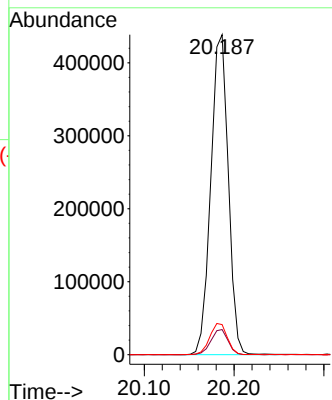
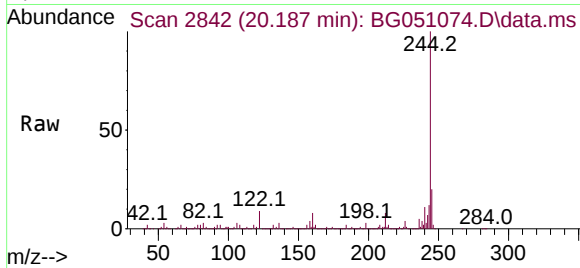




#79
 Terphenyl-d14
 Concen: 51.909 ng
 RT: 20.187 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG051074.D
 Acq: 16 Nov 2021 19:57

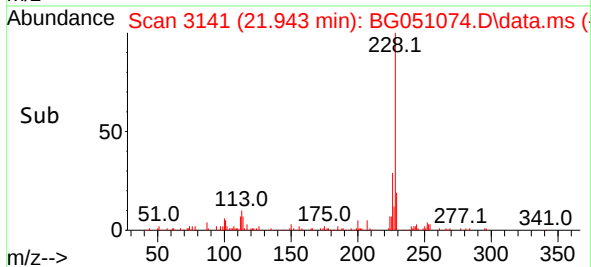
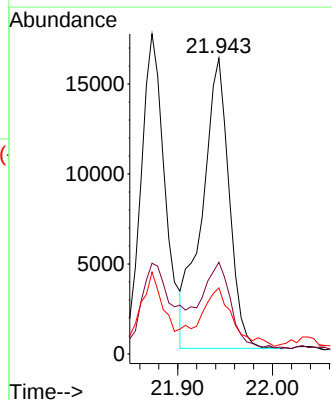
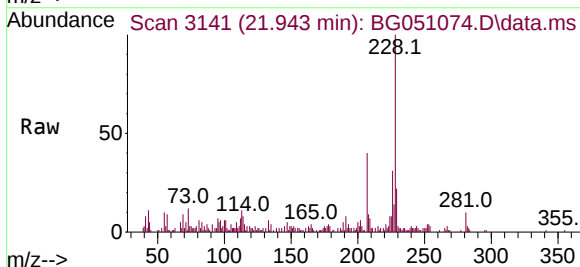
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-111521

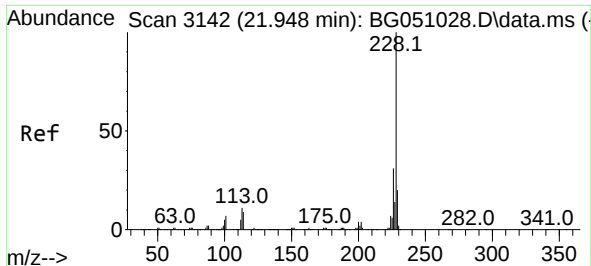
Tgt Ion:244 Resp: 593247
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.9 10.3
 122 9.4 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 2.228 ng
 RT: 21.943 min Scan# 3141
 Delta R.T. 0.066 min
 Lab File: BG051074.D
 Acq: 16 Nov 2021 19:57

Tgt Ion:228 Resp: 31997
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.7 34.1
 229 22.3 16.0 24.0

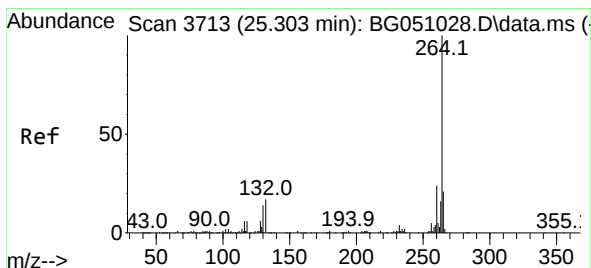
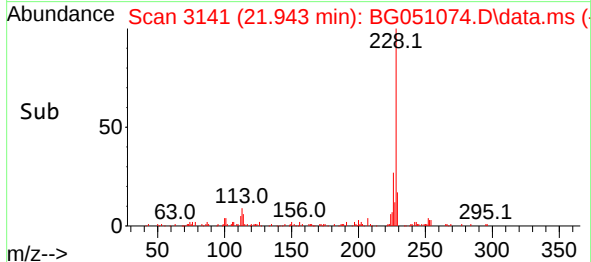
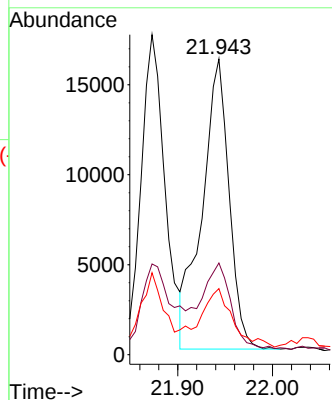
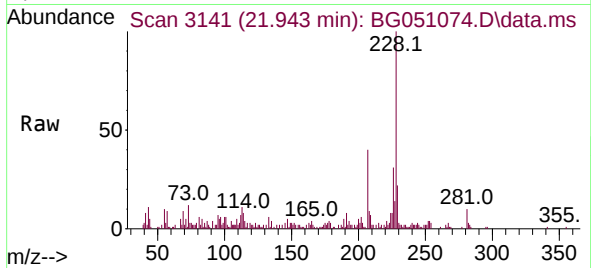




#83
Chrysene
Concen: 2.362 ng
RT: 21.943 min Scan# 3142
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

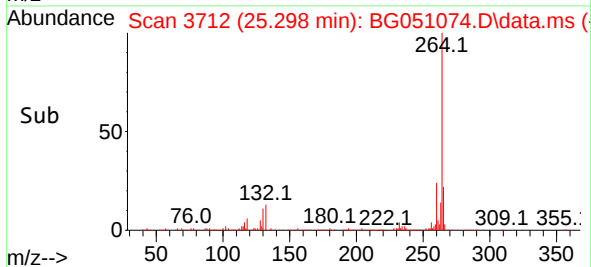
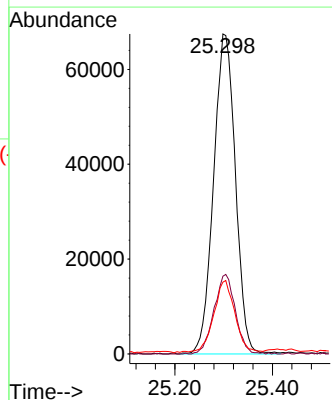
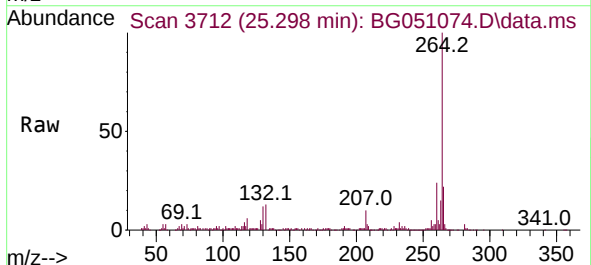
Instrument :
BNA_G
ClientSampleId :
OR-03-111521

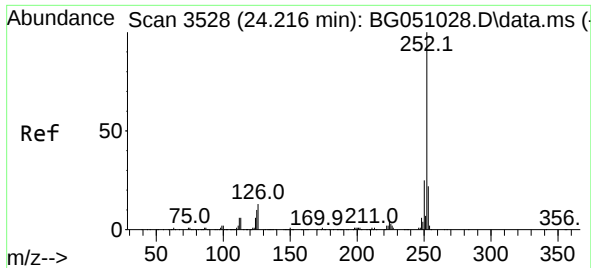
Tgt Ion:228	Resp:	31997
Ion Ratio	Lower	Upper
228	100	
226	31.0	23.1 34.7
229	22.3	15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.298 min Scan# 3712
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:264	Resp:	210204
Ion Ratio	Lower	Upper
264	100	
260	24.3	19.4 29.2
265	22.5	16.9 25.3

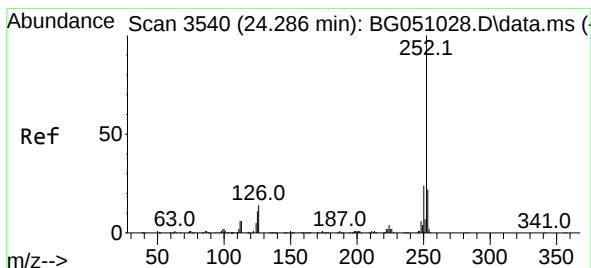
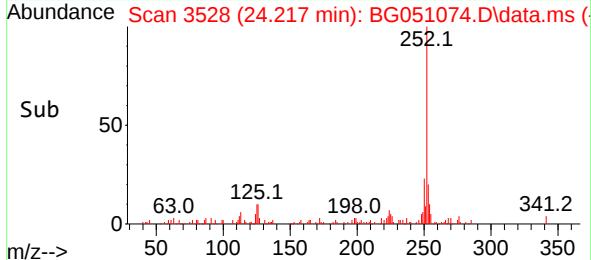
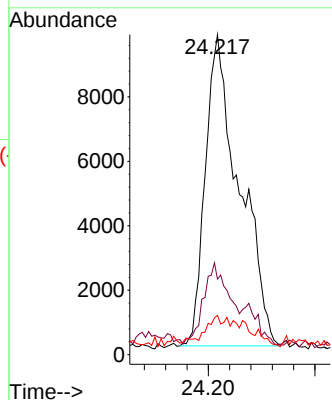
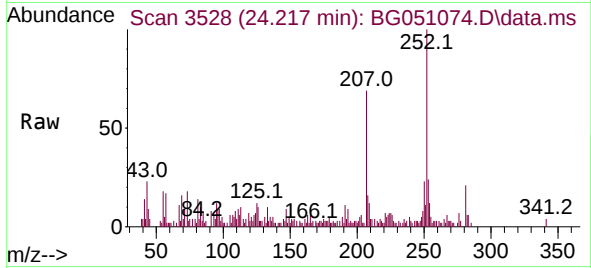




#88
Benzo(b)fluoranthene
Concen: 3.234 ng
RT: 24.217 min Scan# 3528
Delta R.T. 0.002 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

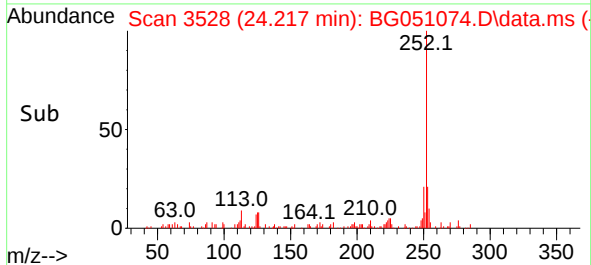
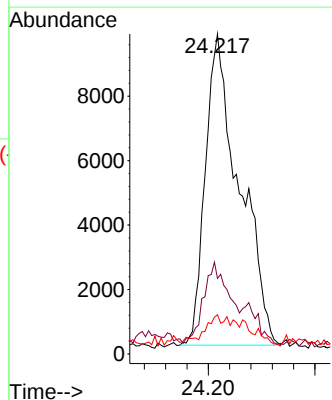
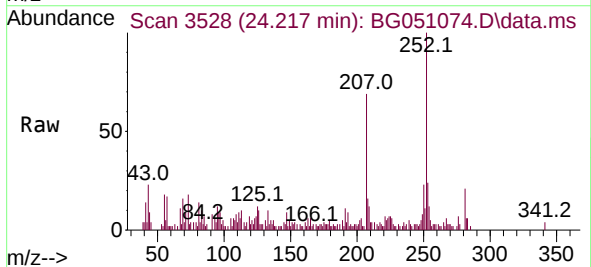
Instrument :
BNA_G
ClientSampleId :
OR-03-111521

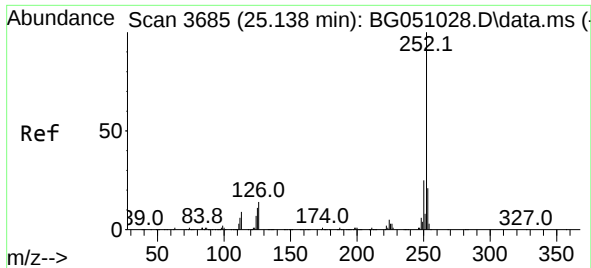
Tgt Ion:252 Resp: 42796
Ion Ratio Lower Upper
252 100
253 23.6 16.2 24.4
125 12.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 3.243 ng
RT: 24.217 min Scan# 3528
Delta R.T. -0.069 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:252 Resp: 42796
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 12.2 3.1 4.7#

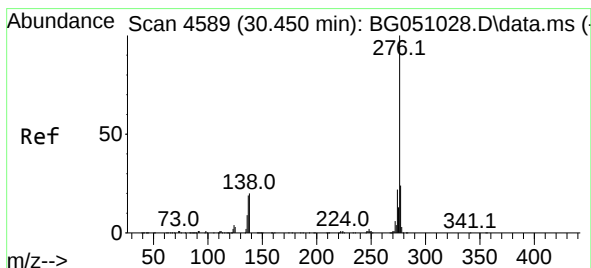
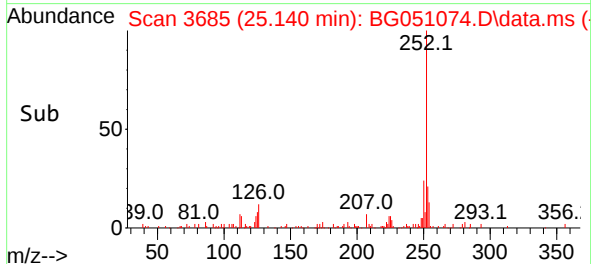
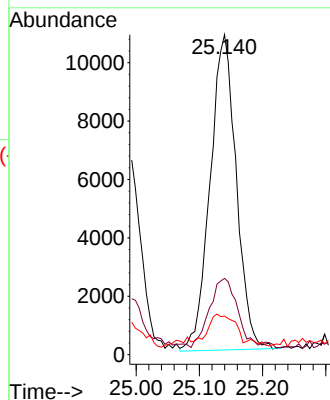
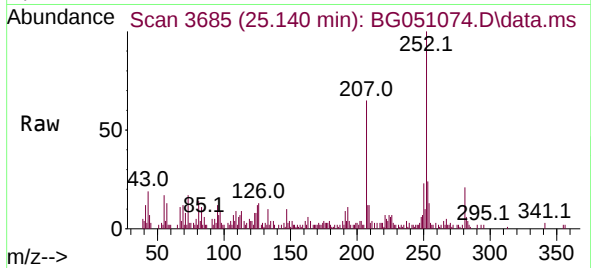




#90
Benzo(a)pyrene
Concen: 2.747 ng
RT: 25.140 min Scan# 30
Delta R.T. 0.002 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Instrument :
BNA_G
ClientSampleId :
OR-03-111521

Tgt Ion:252 Resp: 31029
Ion Ratio Lower Upper
252 100
253 23.9 16.6 25.0
125 12.0 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 2.541 ng
RT: 30.445 min Scan# 4588
Delta R.T. -0.004 min
Lab File: BG051074.D
Acq: 16 Nov 2021 19:57

Tgt Ion:276 Resp: 30712
Ion Ratio Lower Upper
276 100
277 26.8 18.4 27.6
138 18.7 7.0 10.6#

