

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050705.D
 Acq On : 23 Oct 2021 1:48
 Operator : CG/JU
 Sample : M4297-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-10202021

Quant Time: Oct 23 02:55:12 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

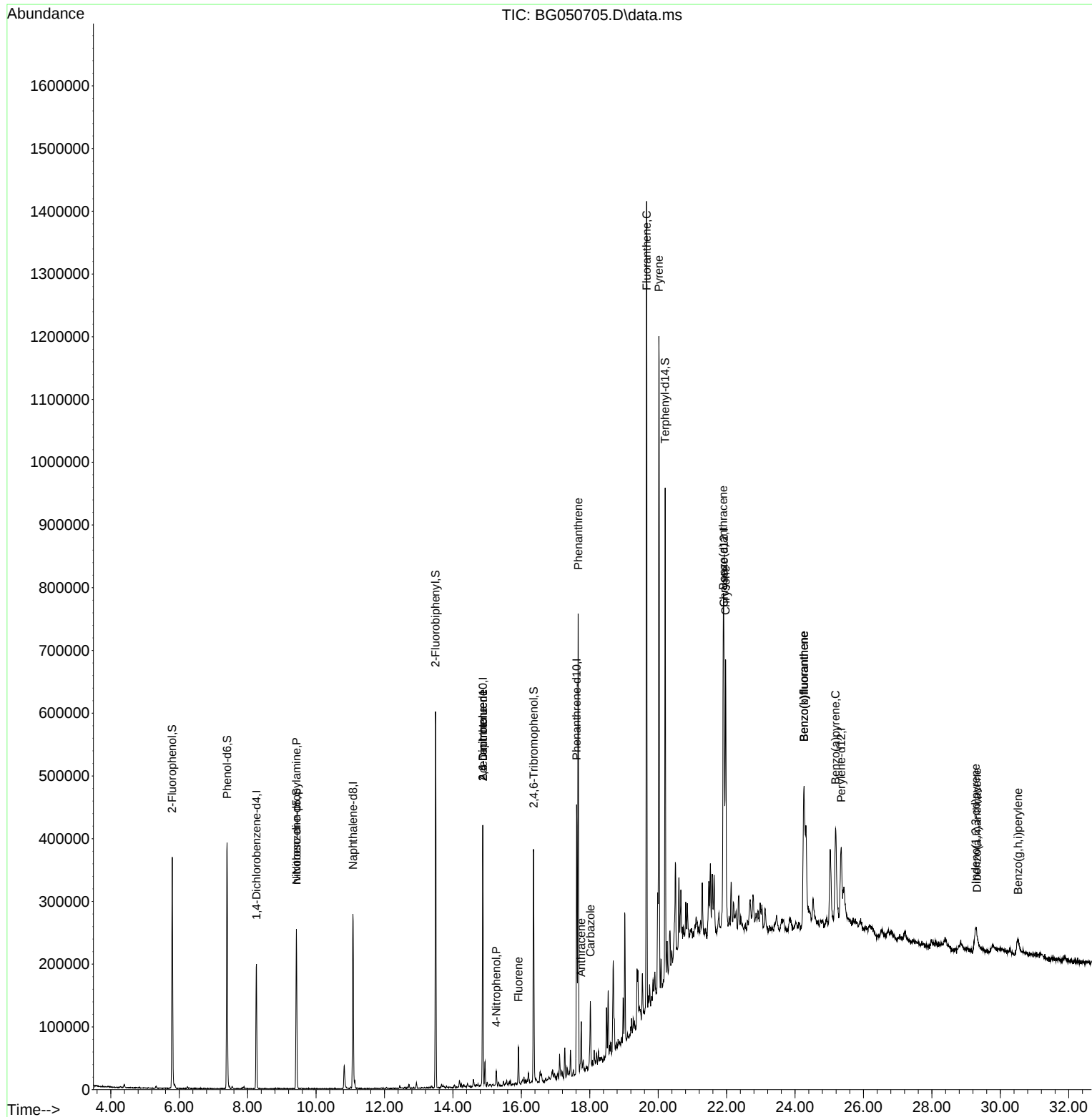
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.258	152	54681	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	231873	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	140489	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	263674	20.000	ng	# 0.00
76) Chrysene-d12	21.924	240	213409	20.000	ng	# 0.00
86) Perylene-d12	25.350	264	153648	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	170515	46.636	ng	0.00
7) Phenol-d6	7.400	99	233860	44.177	ng	0.00
23) Nitrobenzene-d5	9.427	82	164617	29.389	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	57655	43.026	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	299471	32.082	ng	-0.01
79) Terphenyl-d14	20.203	244	342519	31.278	ng	0.00
Target Compounds						
9) Benzaldehyde	7.394	77	622	Below Cal		Qvalue # 44
19) n-Nitroso-di-n-propyla...	9.427	70	22998	5.961	ng	# 70
51) 2,6-Dinitrotoluene	14.874	165	19322	9.084	ng	# 11
56) 4-Nitrophenol	15.267	139	5352	2.645	ng	# 1
57) 2,4-Dinitrotoluene	14.874	165	19322	6.445	ng	# 16
58) Fluorene	15.914	166	27690	2.813	ng	98
71) Phenanthrene	17.665	178	453647	32.649	ng	97
72) Anthracene	17.753	178	50697	3.672	ng	99
73) Carbazole	18.017	167	68057	4.946	ng	98
75) Fluoranthene	19.662	202	800197	46.850	ng	95
78) Pyrene	20.021	202	671833	44.371	ng	96
81) Benzo(a)anthracene	21.901	228	294982	20.890	ng	98
83) Chrysene	21.971	228	346151	26.060	ng	96
87) Indeno(1,2,3-cd)pyrene	29.275	276	39571	3.698	ng	# 57
88) Benzo(b)fluoranthene	24.263	252	329558	35.023	ng	# 88
89) Benzo(k)fluoranthene	24.263	252	329558	35.600	ng	# 93
90) Benzo(a)pyrene	25.185	252	244351	30.542	ng	# 89
91) Dibenzo(a,h)anthracene	29.322	278	19907	2.249	ng	# 57
92) Benzo(g,h,i)perylene	30.520	276	70907	8.179	ng	# 89

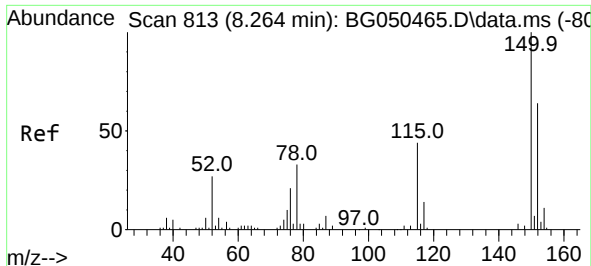
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050705.D
Acq On : 23 Oct 2021 1:48
Operator : CG/JU
Sample : M4297-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

Quant Time: Oct 23 02:55:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
Response via : Initial Calibration

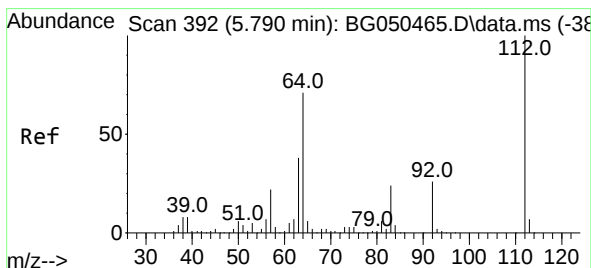
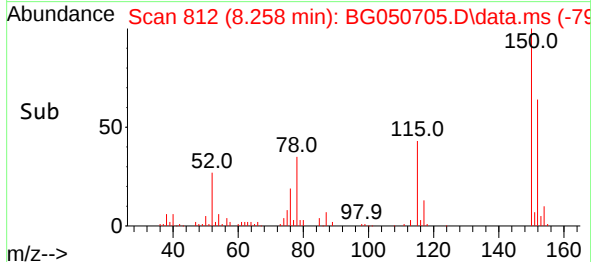
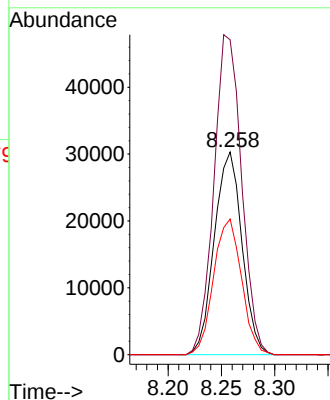
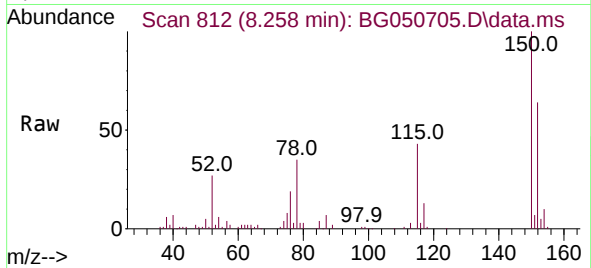




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 812
Delta R.T. 0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

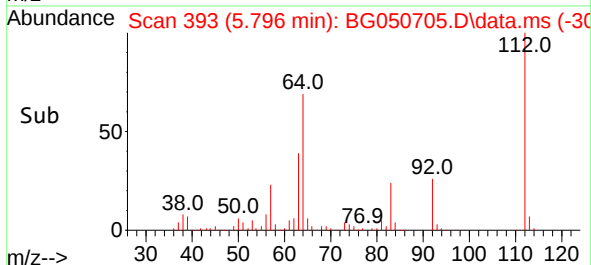
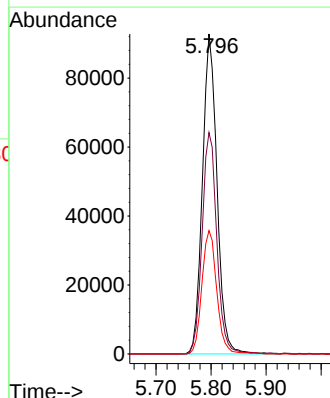
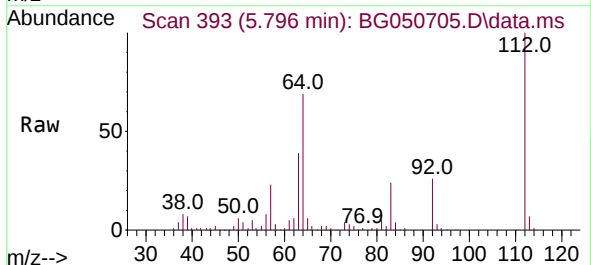
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

Tgt Ion:152 Resp: 54681
Ion Ratio Lower Upper
152 100
150 155.3 119.4 179.0
115 66.9 60.2 90.4



#5
2-Fluorophenol
Concen: 46.636 ng
RT: 5.796 min Scan# 393
Delta R.T. 0.006 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:112 Resp: 170515
Ion Ratio Lower Upper
112 100
64 69.2 46.7 70.1
63 38.5 35.3 52.9

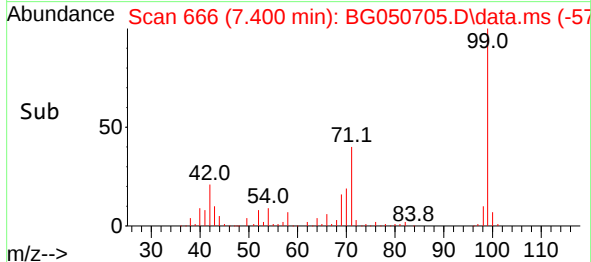
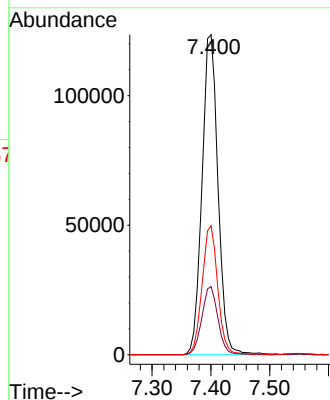
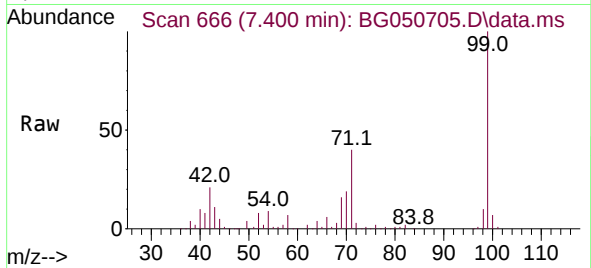




#7
Phenol-d6
Concen: 44.177 ng
RT: 7.400 min Scan# 666
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

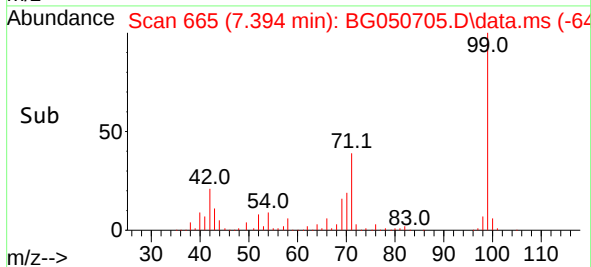
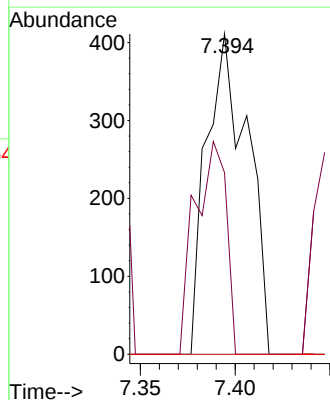
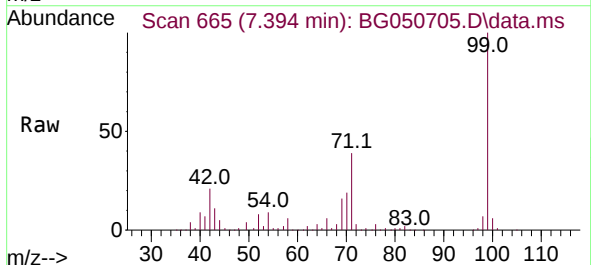
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

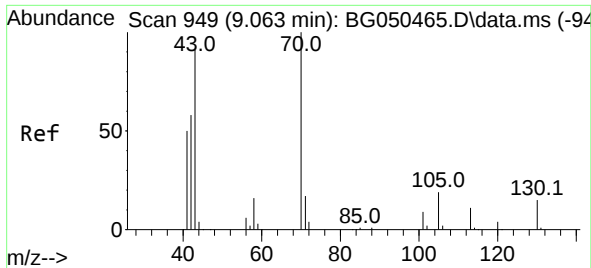
Tgt Ion: 99 Resp: 233860
Ion Ratio Lower Upper
99 100
42 21.3 20.5 30.7
71 40.3 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.394 min Scan# 665
Delta R.T. 0.006 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion: 77 Resp: 622
Ion Ratio Lower Upper
77 100
105 56.7 68.8 108.8#
106 0.0 47.9 87.9#

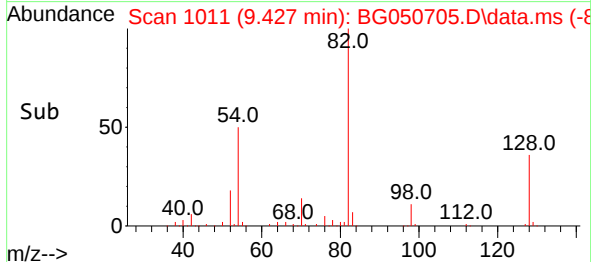
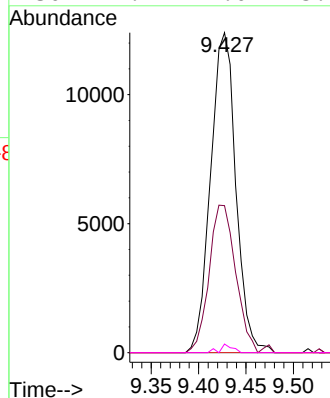
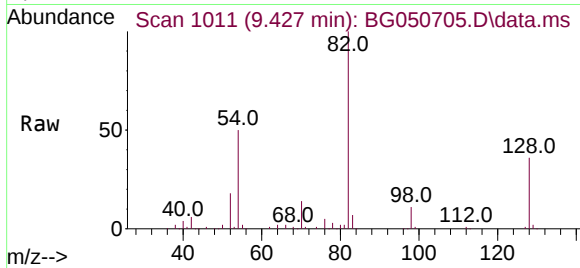




#19
n-Nitroso-di-n-propylamine
Concen: 5.961 ng
RT: 9.427 min Scan# 1011
Delta R.T. 0.370 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

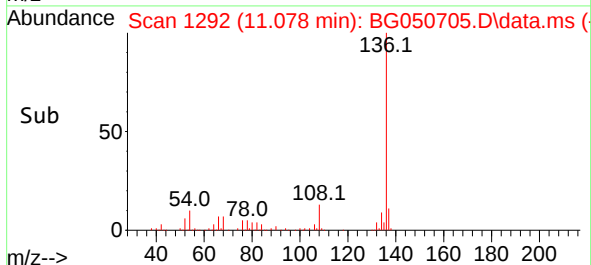
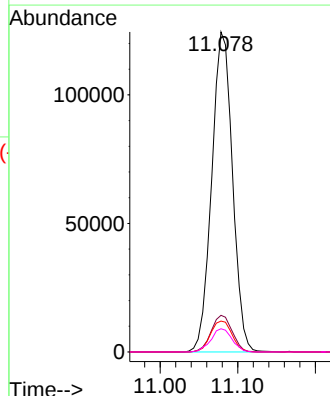
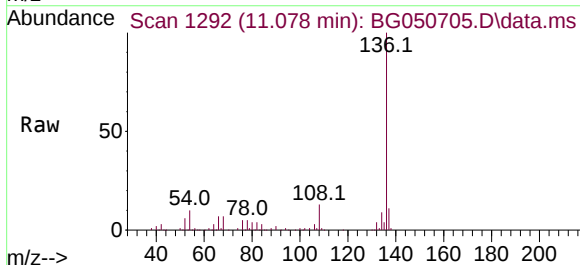
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

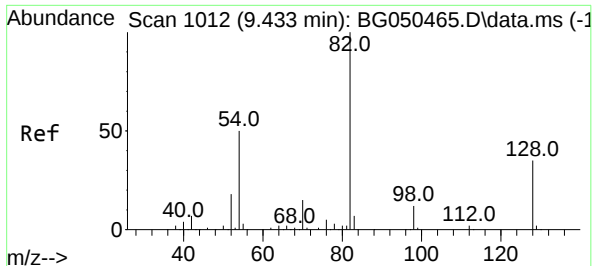
Tgt Ion:	70	Resp:	22998
Ion	Ratio	Lower	Upper
70	100		
42	46.0	54.5	81.7#
101	0.0	9.0	13.6#
130	2.7	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:	136	Resp:	231873
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.2
54	9.6	5.5	8.3#
68	7.2	2.3	3.5#

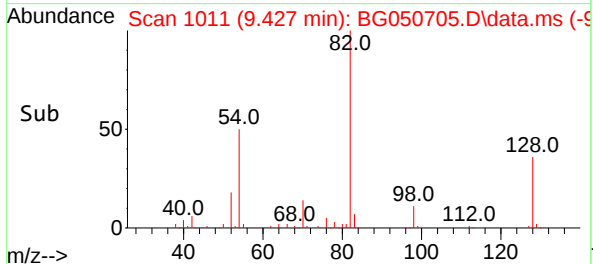
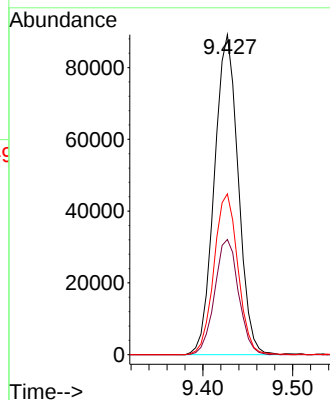
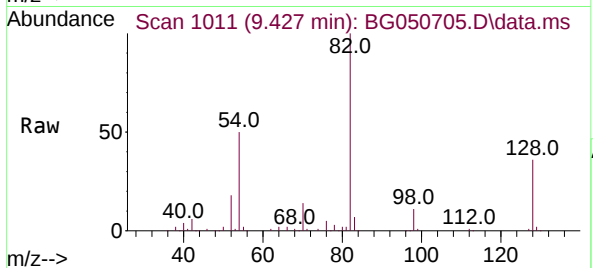




#23
Nitrobenzene-d5
Concen: 29.389 ng
RT: 9.427 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

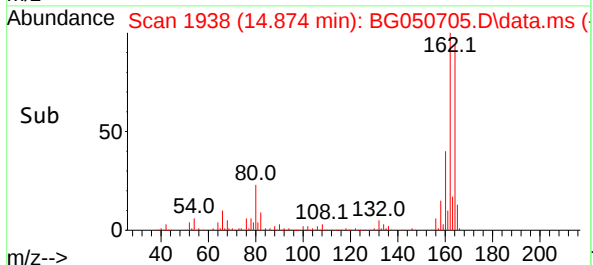
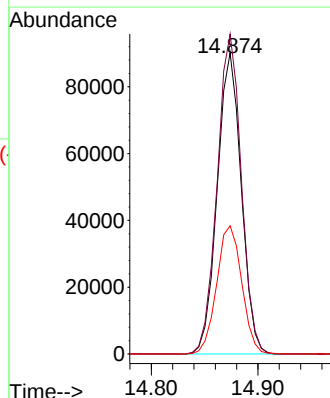
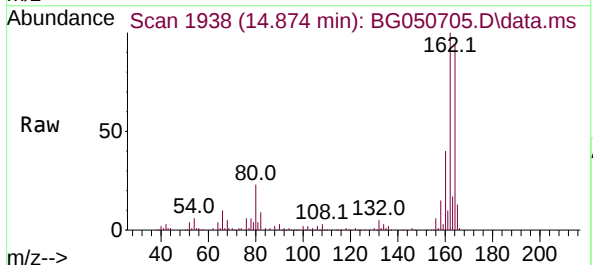
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

Tgt Ion: 82 Resp: 164617
Ion Ratio Lower Upper
82 100
128 36.0 29.8 44.6
54 50.3 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:164 Resp: 140489
Ion Ratio Lower Upper
164 100
162 106.3 81.4 122.0
160 42.6 34.9 52.3

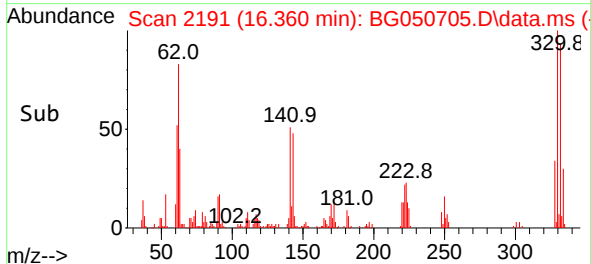
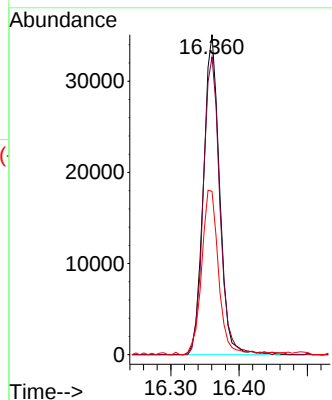
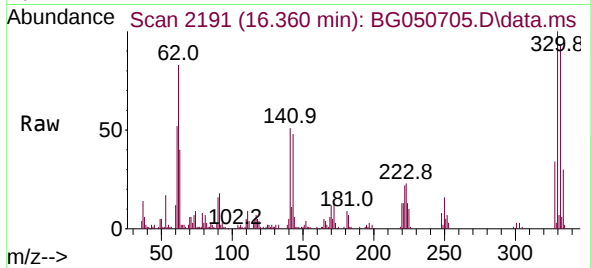




#42
2,4,6-Tribromophenol
Concen: 43.026 ng
RT: 16.360 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

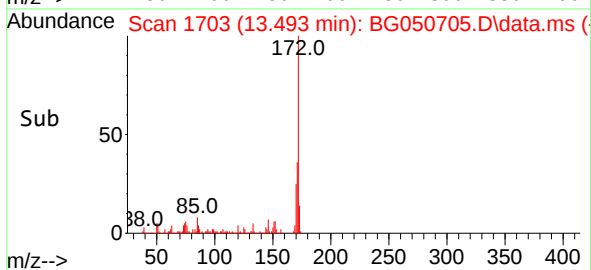
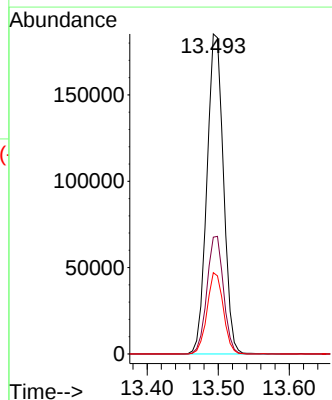
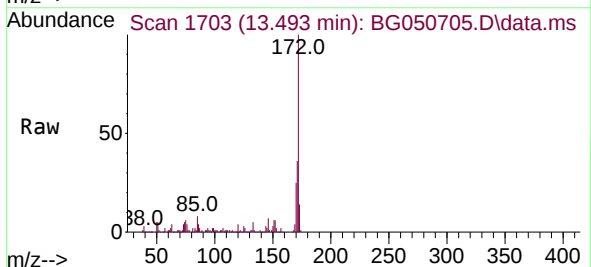
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

Tgt Ion:330 Resp: 57655
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 54.1 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 32.082 ng
RT: 13.493 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:172 Resp: 299471
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 25.4 18.6 27.8

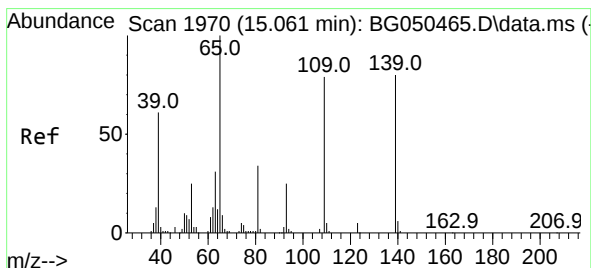
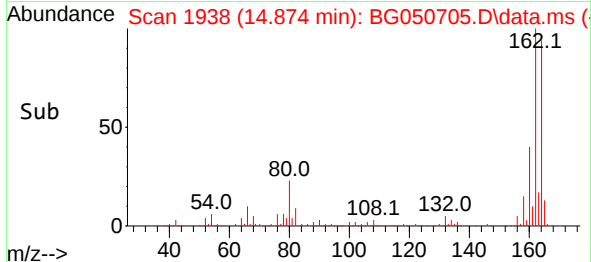
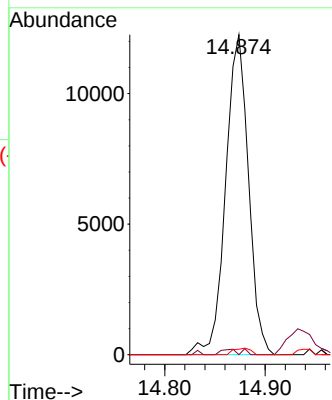
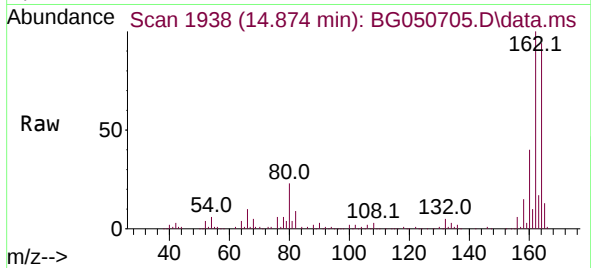




#51
2,6-Dinitrotoluene
Concen: 9.084 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.429 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

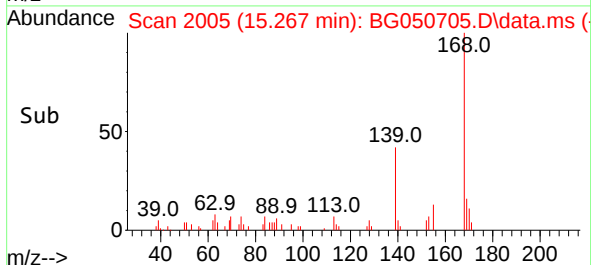
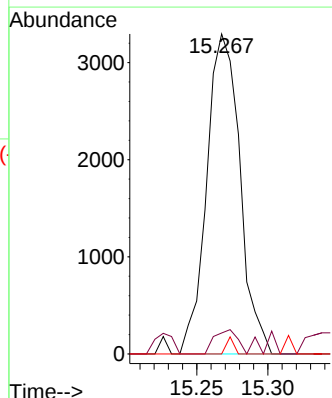
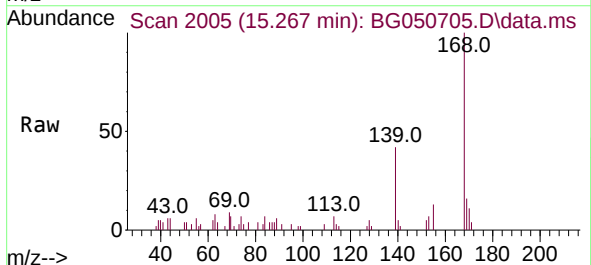
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

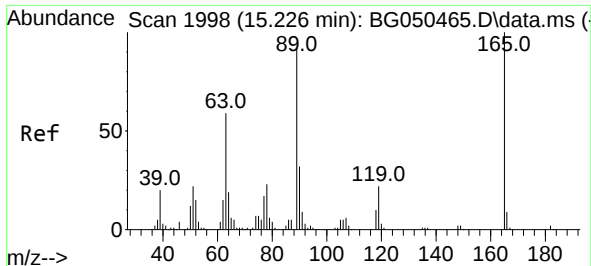
Tgt Ion:165 Resp: 19322
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.7 63.4 95.0#



#56
4-Nitrophenol
Concen: 2.645 ng
RT: 15.267 min Scan# 2005
Delta R.T. 0.199 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

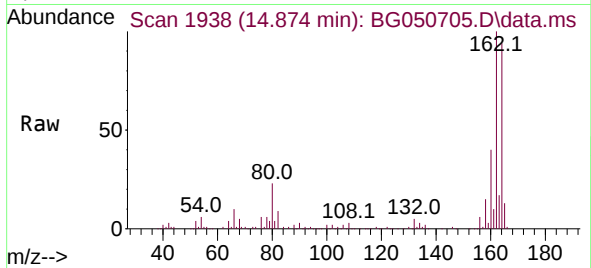
Tgt Ion:139 Resp: 5352
Ion Ratio Lower Upper
139 100
109 6.5 116.3 156.3#
65 0.0 105.0 145.0#



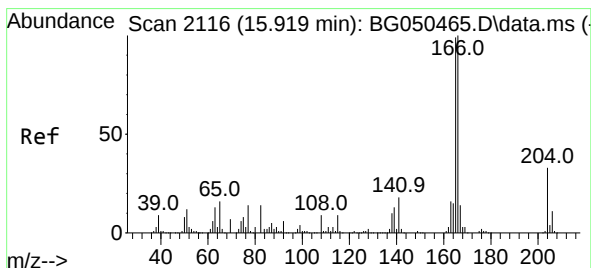
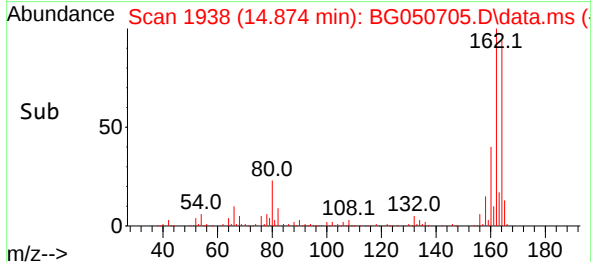
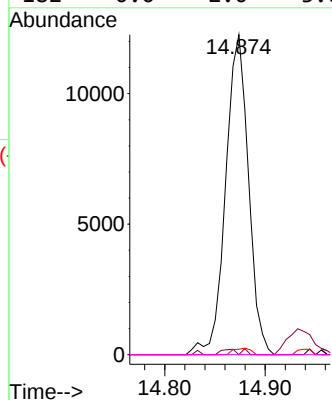


#57
2,4-Dinitrotoluene
Concen: 6.445 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.353 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

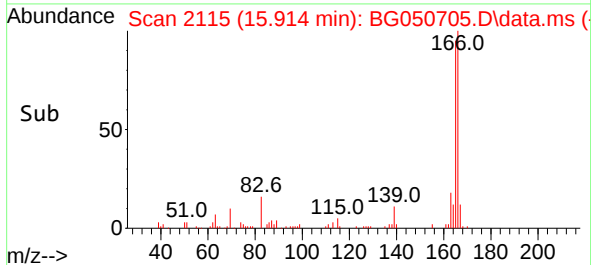
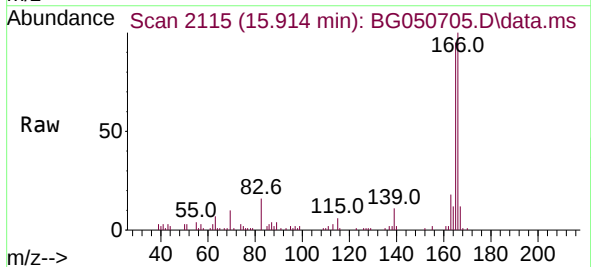
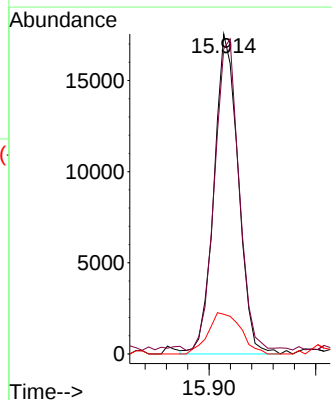


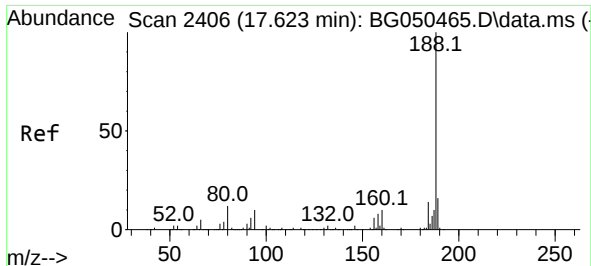
Tgt Ion:165 Resp: 19322
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.7 65.4 98.0#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.813 ng
RT: 15.914 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:166 Resp: 27690
Ion Ratio Lower Upper
166 100
165 95.3 77.7 116.5
167 12.4 10.8 16.2

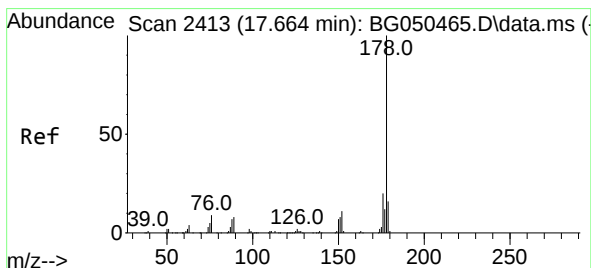
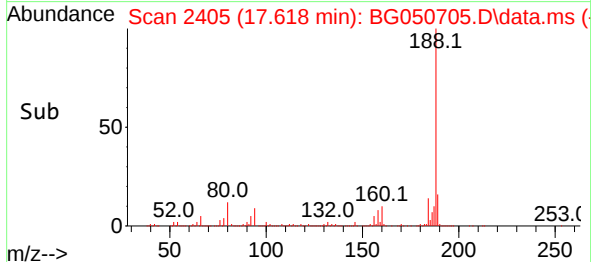
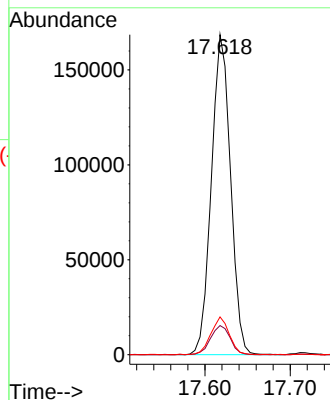
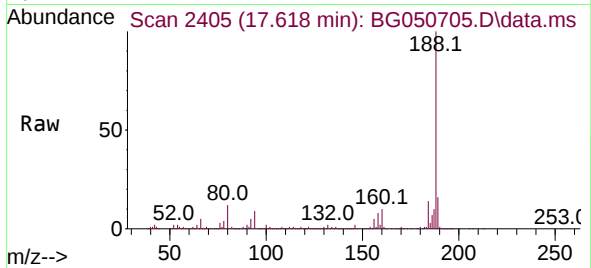




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

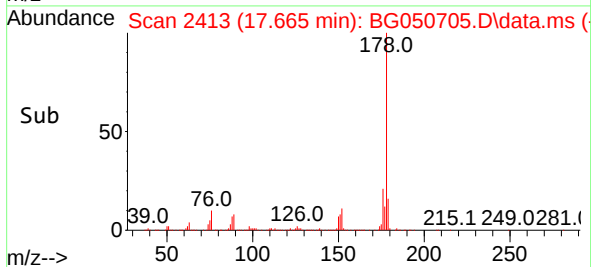
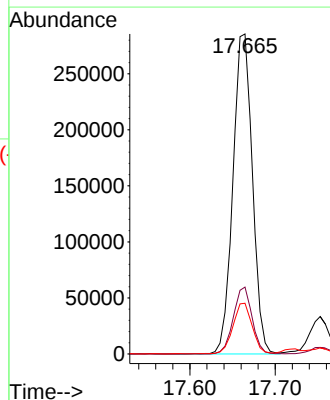
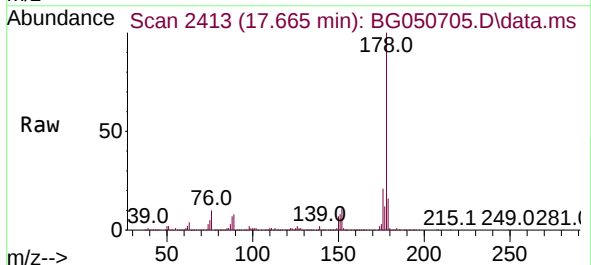
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

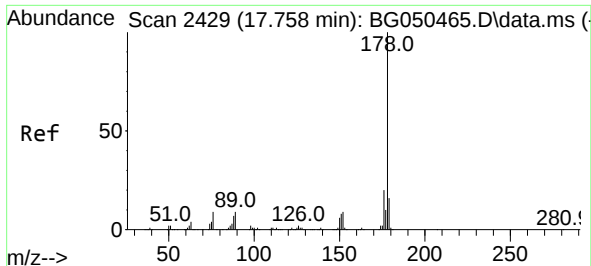
Tgt Ion:188 Resp: 263674
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 11.8 3.7 5.5#



#71
Phenanthrene
Concen: 32.649 ng
RT: 17.665 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:178 Resp: 453647
Ion Ratio Lower Upper
178 100
176 20.9 16.0 24.0
179 15.8 14.2 21.4

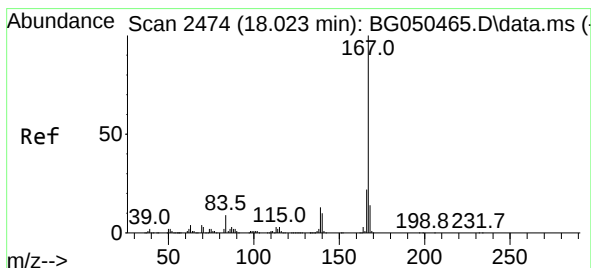
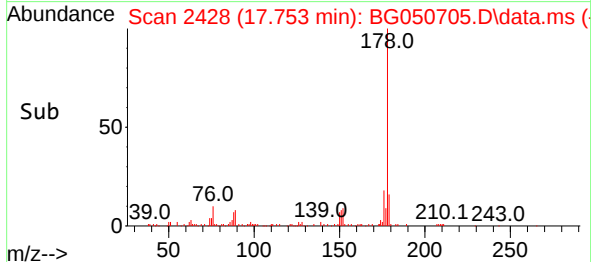
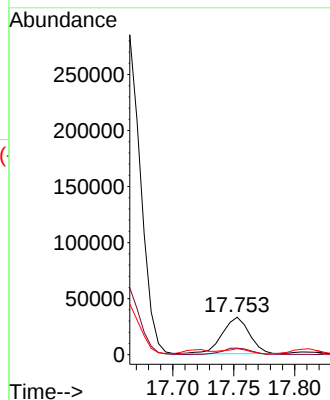
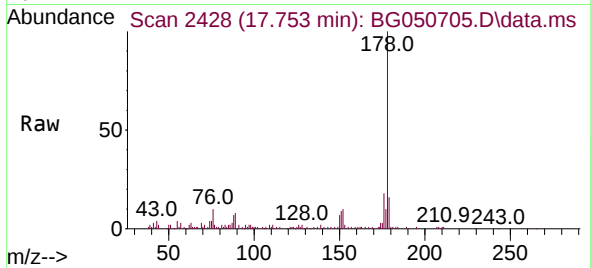




#72
 Anthracene
 Concen: 3.672 ng
 RT: 17.753 min Scan# 2428
 Delta R.T. -0.000 min
 Lab File: BG050705.D
 Acq: 23 Oct 2021 1:48

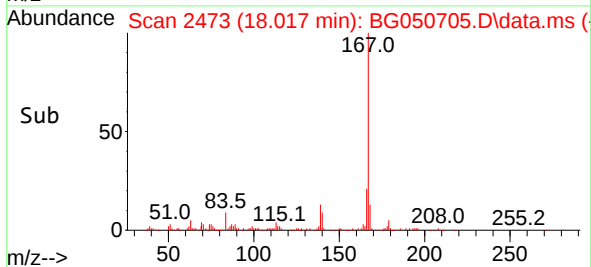
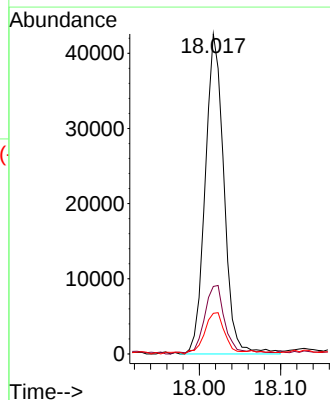
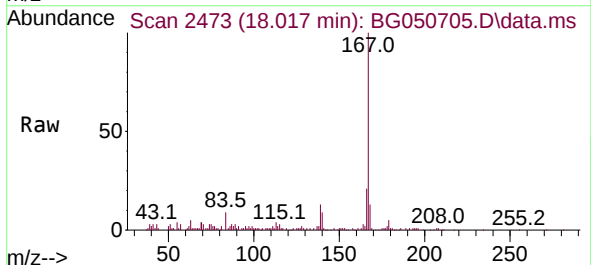
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-10202021

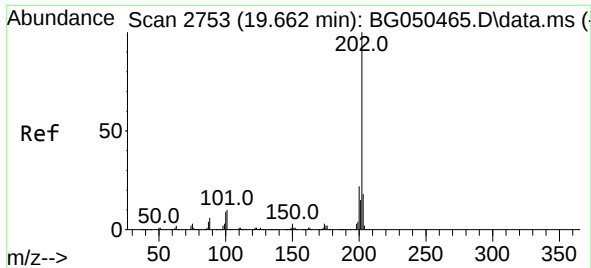
Tgt Ion:178 Resp: 50697
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.6 21.8
 179 16.5 13.4 20.0



#73
 Carbazole
 Concen: 4.946 ng
 RT: 18.017 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG050705.D
 Acq: 23 Oct 2021 1:48

Tgt Ion:167 Resp: 68057
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.2
 139 12.7 10.7 16.1

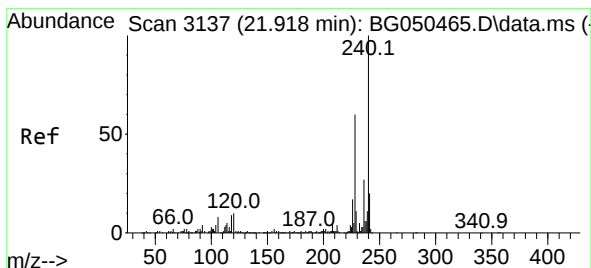
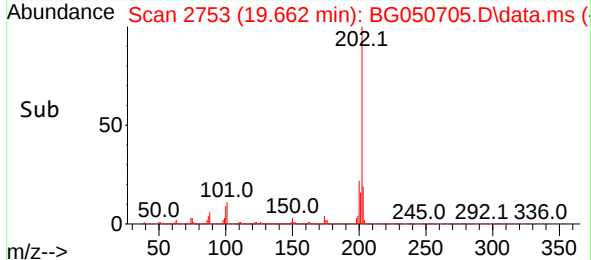
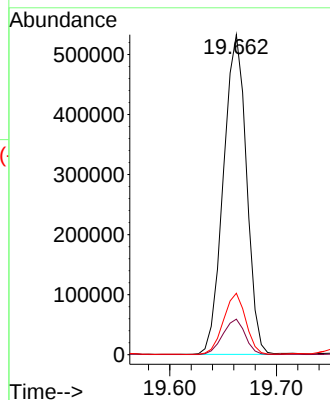
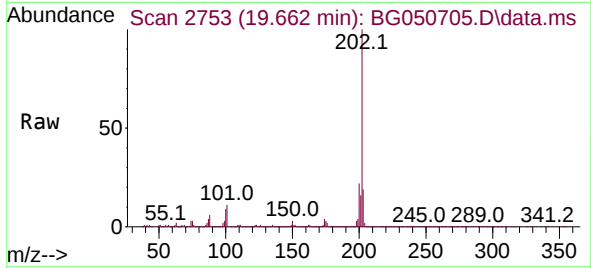




#75
Fluoranthene
Concen: 46.850 ng
RT: 19.662 min Scan# 2753
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

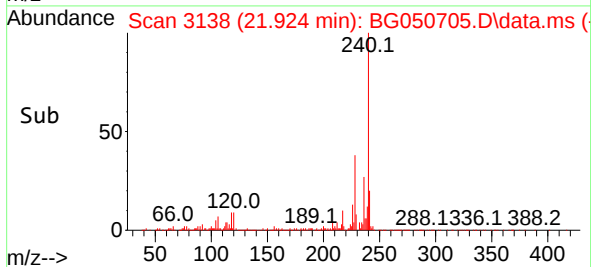
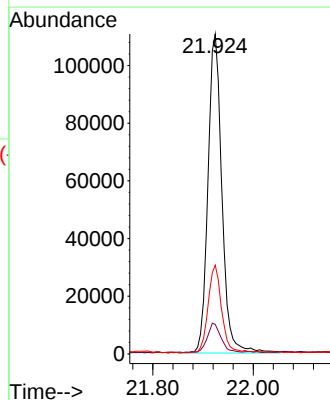
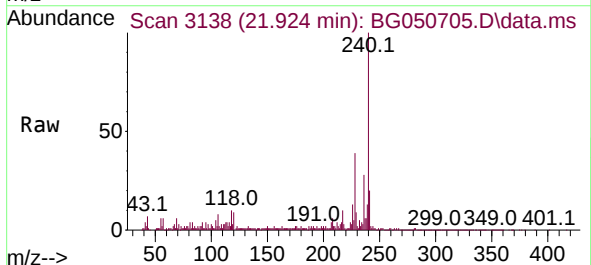
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

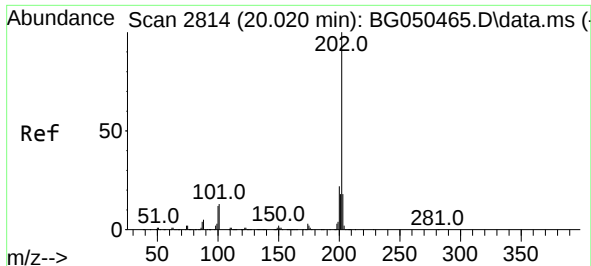
Tgt Ion:202 Resp: 800197
Ion Ratio Lower Upper
202 100
101 11.1 0.0 24.7
203 19.2 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:240 Resp: 213409
Ion Ratio Lower Upper
240 100
120 9.2 4.2 6.2#
236 27.8 21.8 32.6

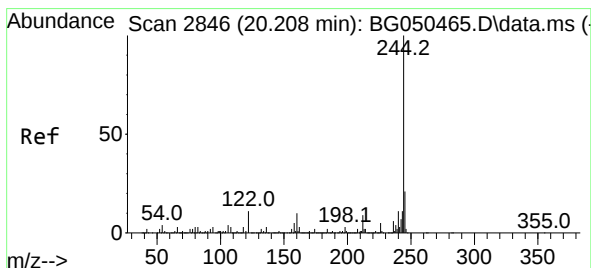
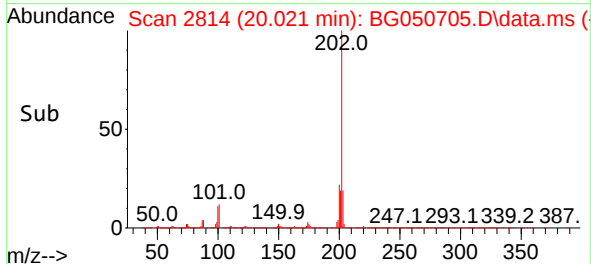
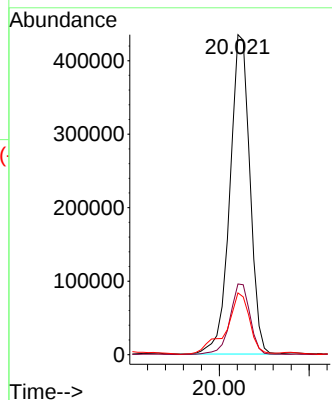
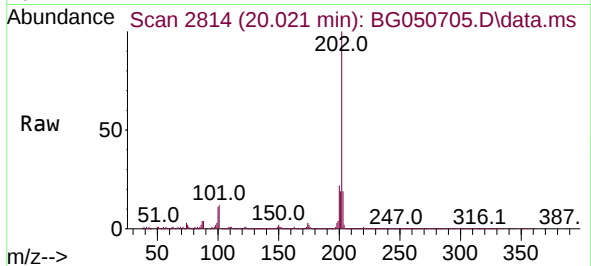




#78
Pyrene
Concen: 44.371 ng
RT: 20.021 min Scan# 2814
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

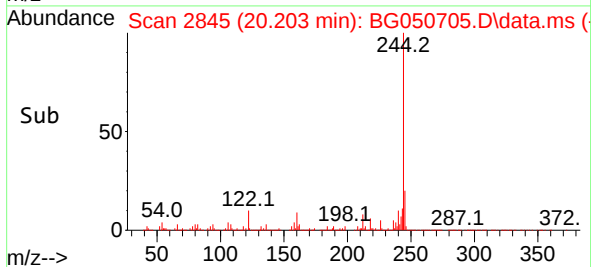
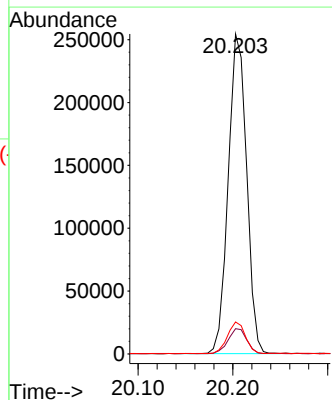
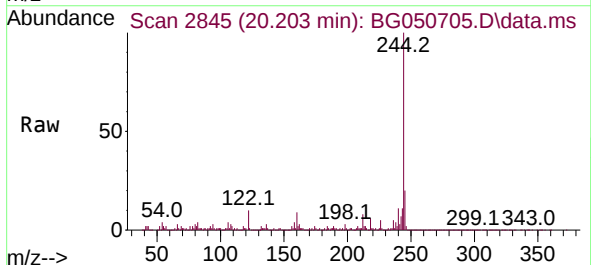
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

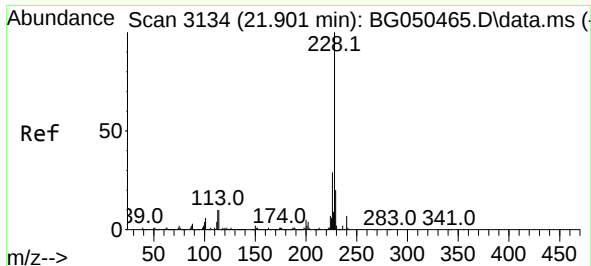
Tgt Ion:	202	Resp:	671833
Ion Ratio	Lower	Upper	
202	100		
200	22.1	15.8	23.8
203	19.3	14.6	21.8



#79
Terphenyl-d14
Concen: 31.278 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:	244	Resp:	342519
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.9	10.3
122	10.0	5.0	7.6#

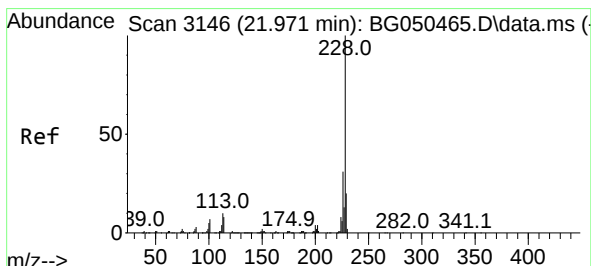
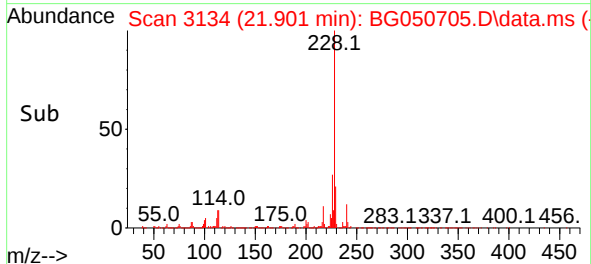
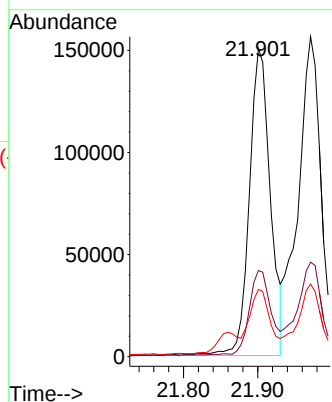
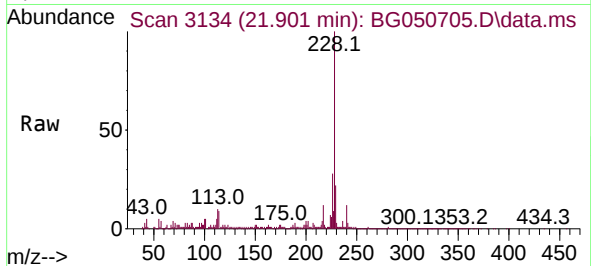




#81
Benzo(a)anthracene
Concen: 20.890 ng
RT: 21.901 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

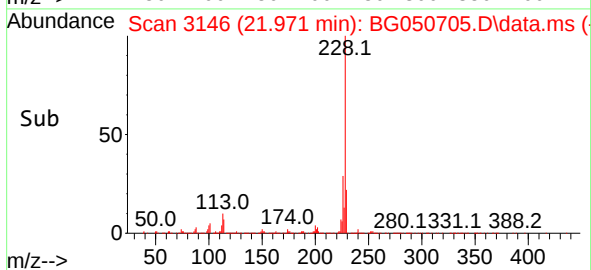
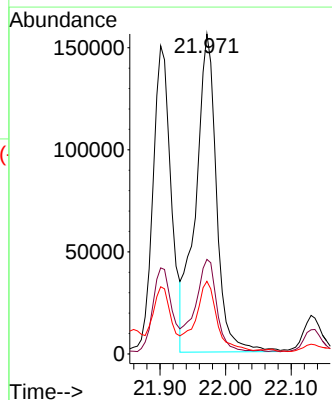
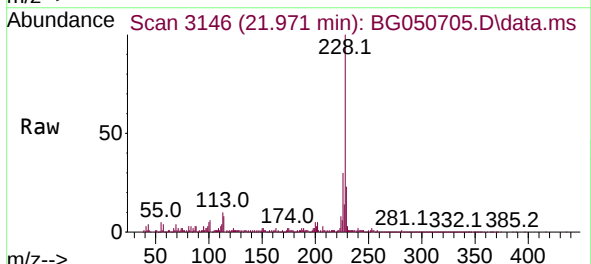
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

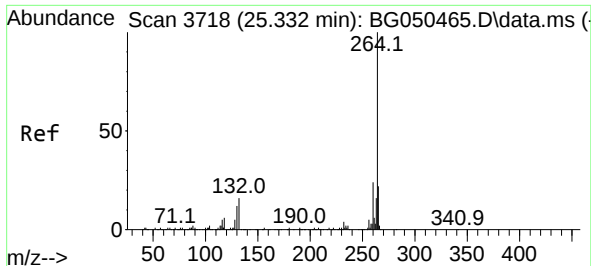
Tgt Ion:228 Resp: 294982
Ion Ratio Lower Upper
228 100
226 28.0 22.7 34.1
229 21.8 16.0 24.0



#83
Chrysene
Concen: 26.060 ng
RT: 21.971 min Scan# 3146
Delta R.T. -0.000 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:228 Resp: 346151
Ion Ratio Lower Upper
228 100
226 29.5 23.1 34.7
229 22.7 15.3 22.9

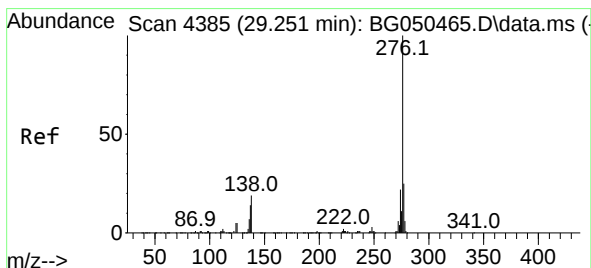
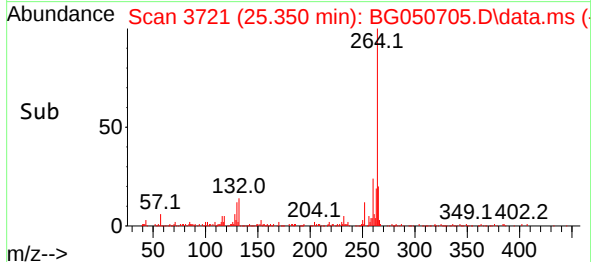
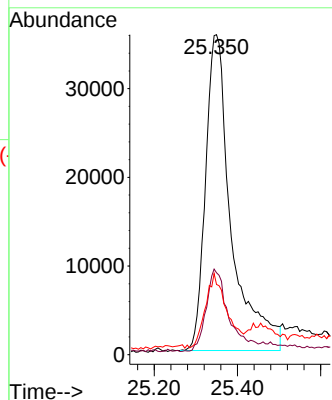
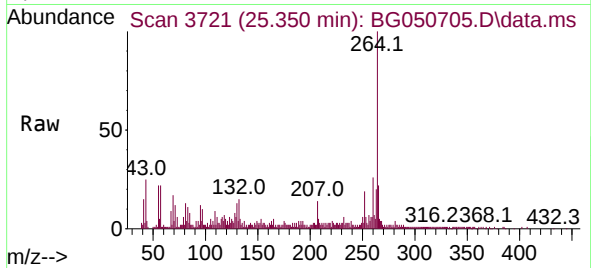




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.350 min Scan# 3721
 Delta R.T. 0.017 min
 Lab File: BG050705.D
 Acq: 23 Oct 2021 1:48

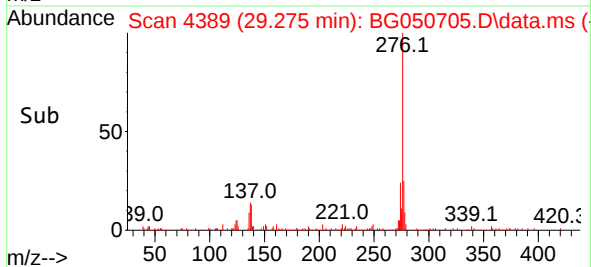
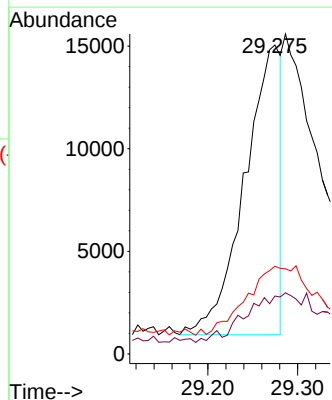
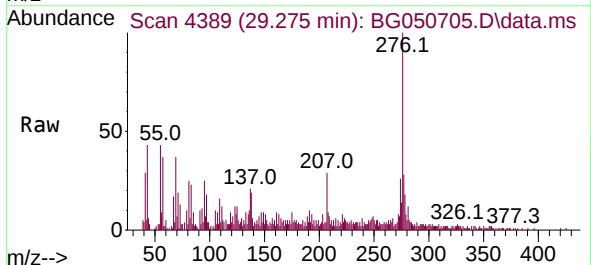
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-10202021

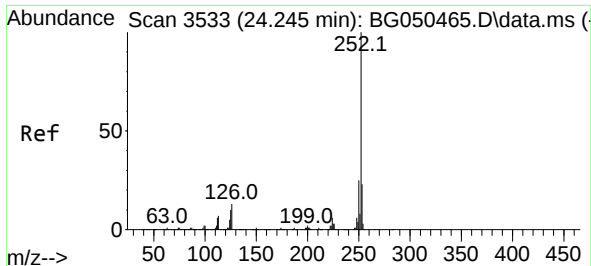
Tgt Ion:	264	Resp:	153648
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.4	29.2
265	22.0	16.9	25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.698 ng
 RT: 29.275 min Scan# 4389
 Delta R.T. 0.011 min
 Lab File: BG050705.D
 Acq: 23 Oct 2021 1:48

Tgt Ion:	276	Resp:	39571
Ion Ratio	Lower	Upper	
276	100		
138	0.0	5.1	7.7#
277	0.0	19.8	29.6#

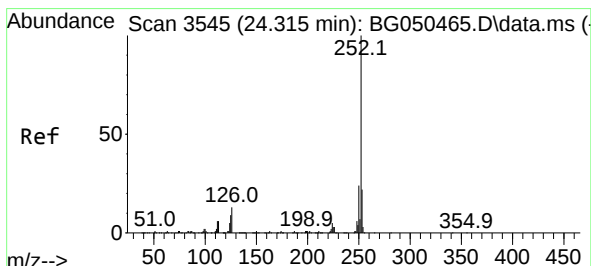
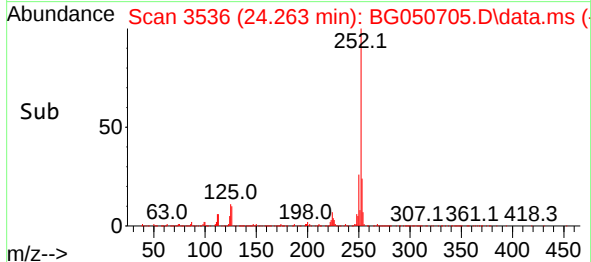
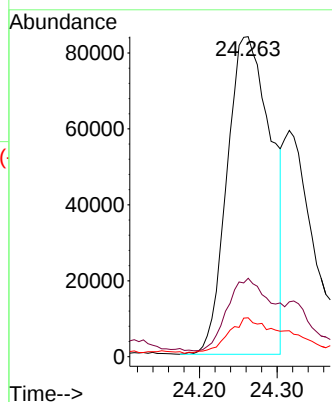
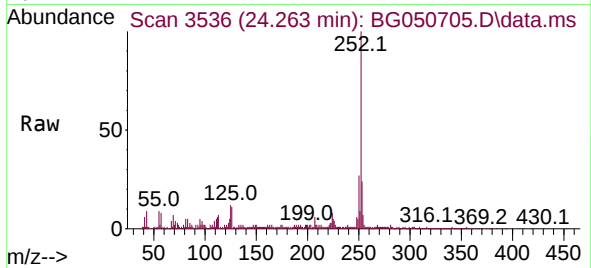




#88
Benzo(b)fluoranthene
Concen: 35.023 ng
RT: 24.263 min Scan# 3536
Delta R.T. 0.017 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

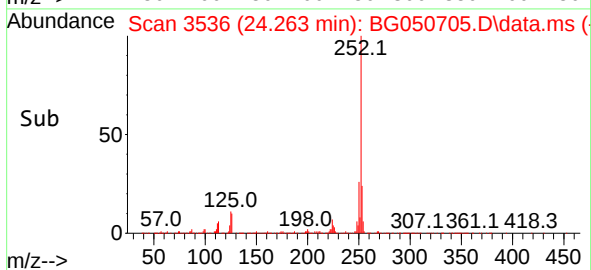
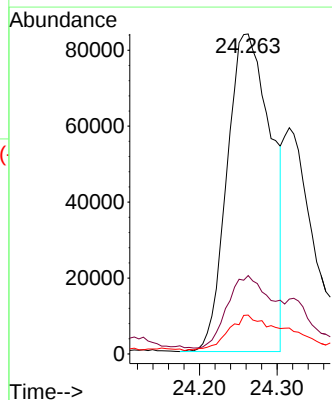
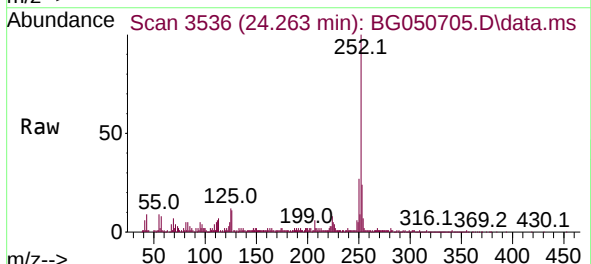
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

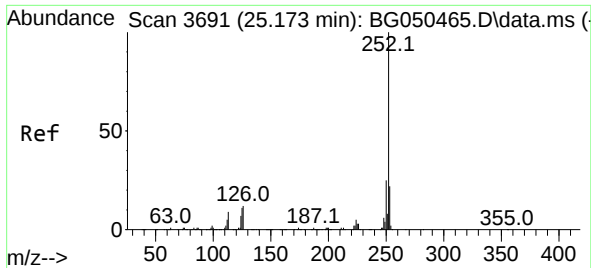
Tgt Ion:252 Resp: 329558
Ion Ratio Lower Upper
252 100
253 24.5 16.2 24.4#
125 12.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 35.600 ng
RT: 24.263 min Scan# 3536
Delta R.T. -0.053 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

Tgt Ion:252 Resp: 329558
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 12.2 3.1 4.7#

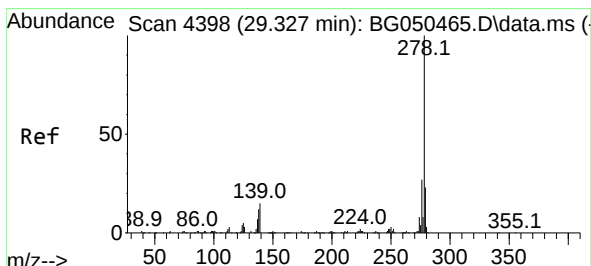
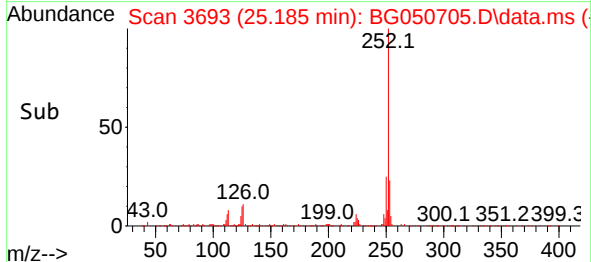
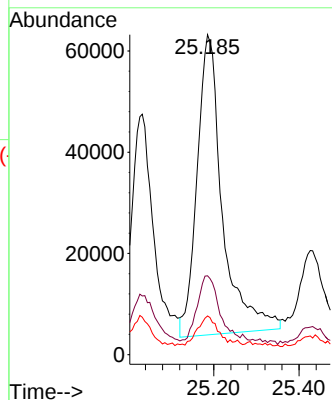
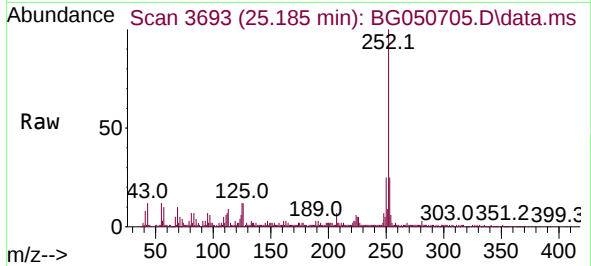




#90
Benzo(a)pyrene
Concen: 30.542 ng
RT: 25.185 min Scan# 3693
Delta R.T. 0.011 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

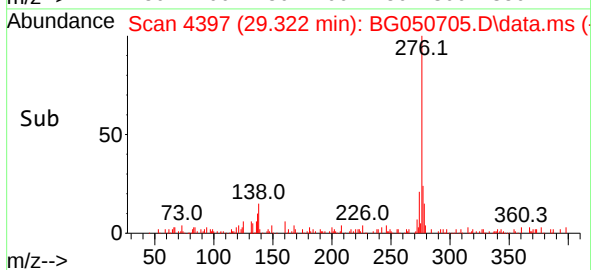
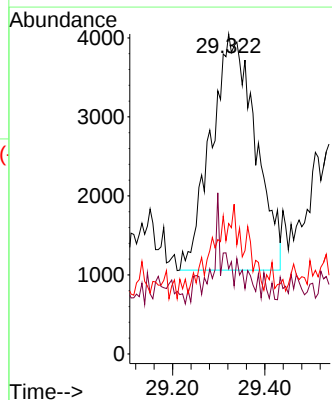
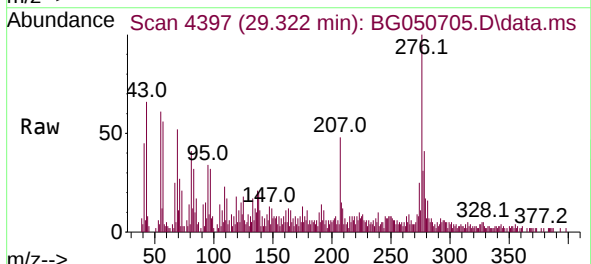
Instrument :
BNA_G
ClientSampleId :
TR-04-10202021

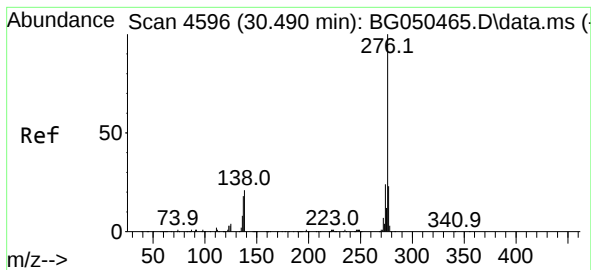
Tgt Ion:252 Resp: 244351
Ion Ratio Lower Upper
252 100
253 24.6 16.6 25.0
125 12.1 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 2.249 ng
RT: 29.322 min Scan# 4397
Delta R.T. -0.012 min
Lab File: BG050705.D
Acq: 23 Oct 2021 1:48

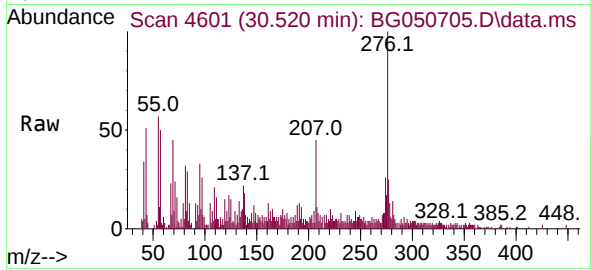
Tgt Ion:278 Resp: 19907
Ion Ratio Lower Upper
278 100
139 26.6 4.6 6.8#
279 40.7 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 8.179 ng
 RT: 30.520 min Scan# 4601
 Delta R.T. 0.023 min
 Lab File: BG050705.D
 Acq: 23 Oct 2021 1:48

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-10202021



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.4	27.6
138	18.2	7.0	10.6

