

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
 Data File : BG052770.D
 Acq On : 21 Mar 2022 16:31
 Operator : CG/JU
 Sample : N1983-05DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 124019DL

Quant Time: Mar 21 17:03:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

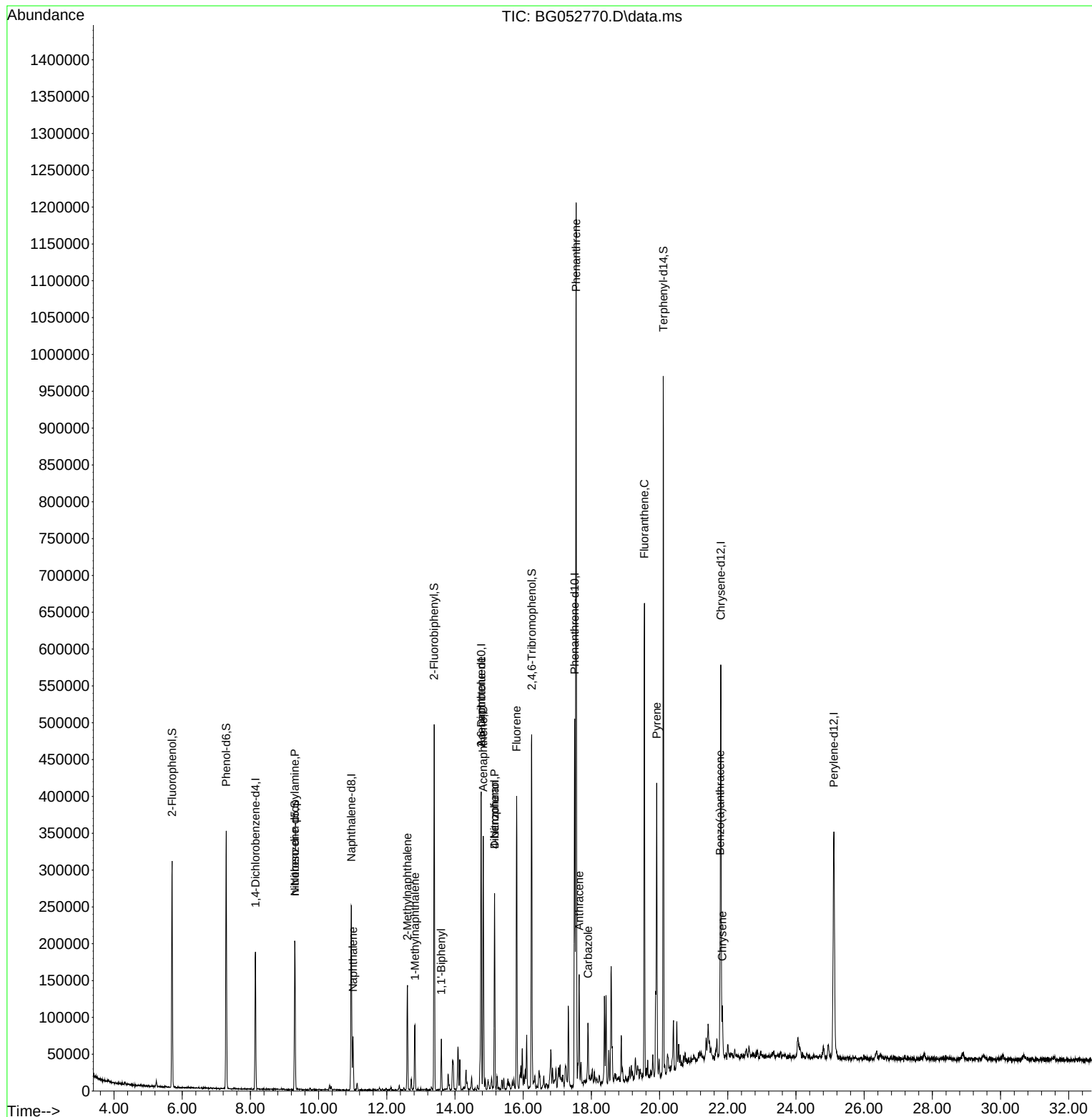
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	51175	20.000	ng	-0.01
21) Naphthalene-d8	10.961	136	208456	20.000	ng	#-0.01
39) Acenaphthene-d10	14.767	164	144505	20.000	ng	0.00
64) Phenanthrene-d10	17.511	188	318883	20.000	ng	0.00
76) Chrysene-d12	21.793	240	325148	20.000	ng	-0.02
86) Perylene-d12	25.112	264	342945	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.703	112	130000	44.240	ng	0.00
7) Phenol-d6	7.289	99	191477	43.221	ng	0.00
23) Nitrobenzene-d5	9.298	82	129373	31.149	ng	-0.02
42) 2,4,6-Tribromophenol	16.248	330	82109	42.286	ng	-0.01
45) 2-Fluorobiphenyl	13.387	172	264569	27.002	ng	-0.02
79) Terphenyl-d14	20.107	244	478207	26.162	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.289	77	430	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.298	70	18036	5.748	ng	# 73
31) Naphthalene	11.008	128	54877	5.091	ng	96
37) 2-Methylnaphthalene	12.606	142	66615	8.438	ng	98
38) 1-Methylnaphthalene	12.823	142	42020	5.454	ng	94
46) 1,1'-Biphenyl	13.598	154	29357	2.905	ng	97
51) 2,6-Dinitrotoluene	14.767	165	23778	13.113	ng	# 25
52) Acenaphthene	14.826	154	123662	15.215	ng	92
55) Dibenzofuran	15.161	168	164256	12.376	ng	98
56) 4-Nitrophenol	15.161	139	62357	36.028	ng	# 2
58) Fluorene	15.807	166	180179	16.654	ng	100
71) Phenanthrene	17.552	178	752452	44.108	ng	99
72) Anthracene	17.640	178	97448	5.778	ng	98
73) Carbazole	17.898	167	49309	2.952	ng	96
75) Fluoranthene	19.555	202	408167	18.849	ng	98
78) Pyrene	19.913	202	265674	11.779	ng	97
81) Benzo(a)anthracene	21.776	228	55672	2.557	ng	98
83) Chrysene	21.840	228	51274	2.505	ng	98

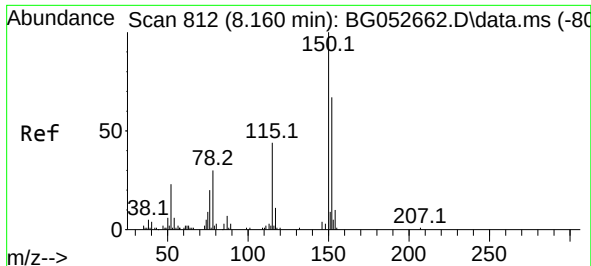
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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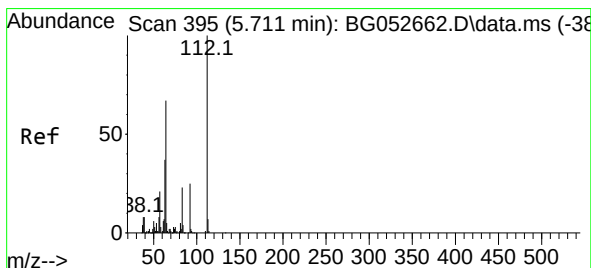
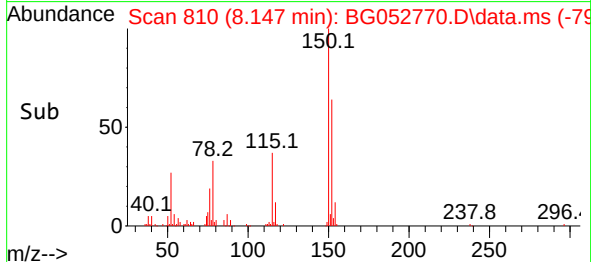
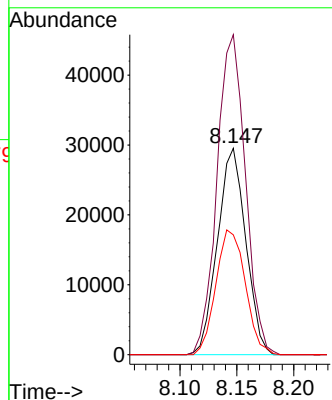
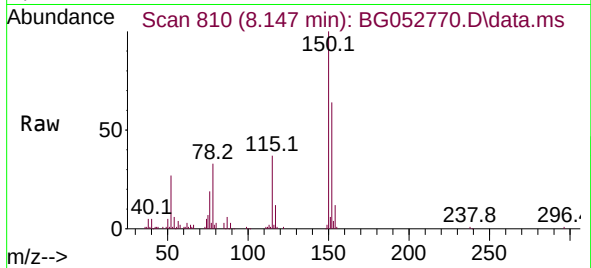




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

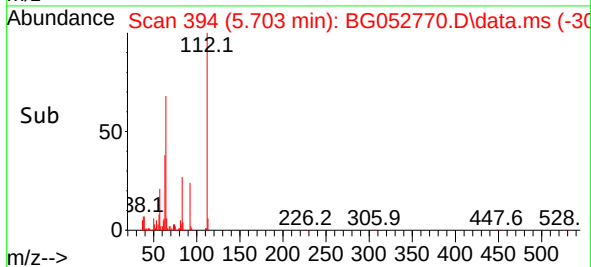
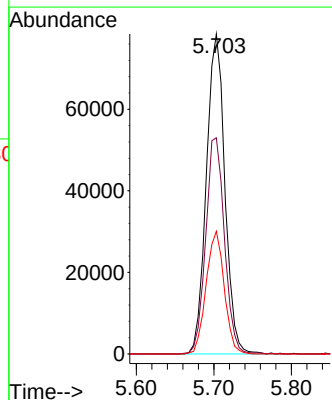
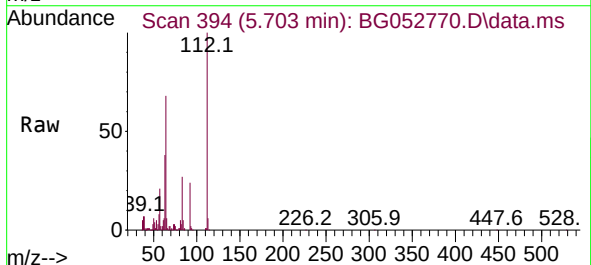
Instrument :
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ClientSampleId :
124019DL

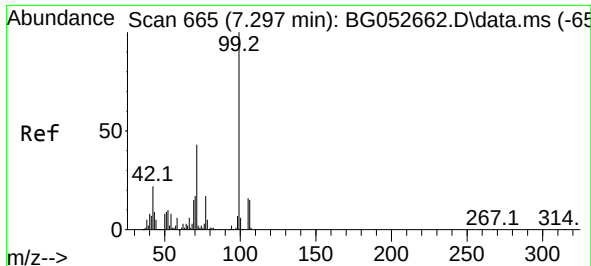
Tgt Ion:152 Resp: 51175
Ion Ratio Lower Upper
152 100
150 155.1 114.6 172.0
115 58.1 45.9 68.9



#5
2-Fluorophenol
Concen: 44.240 ng
RT: 5.703 min Scan# 394
Delta R.T. -0.008 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:112 Resp: 130000
Ion Ratio Lower Upper
112 100
64 67.5 48.0 72.0
63 38.3 26.5 39.7

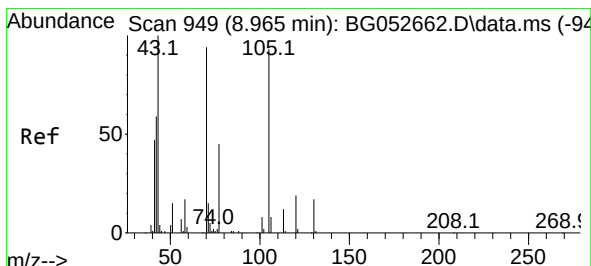
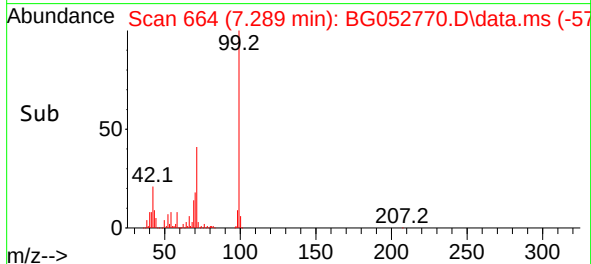
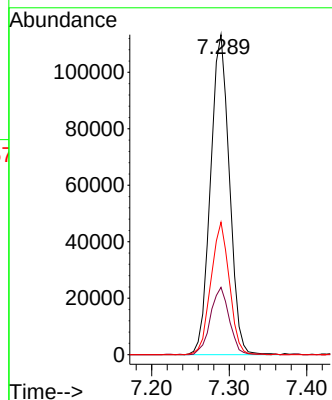
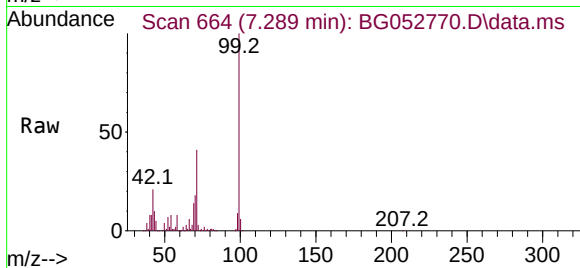




#7
Phenol-d6
Concen: 43.221 ng
RT: 7.289 min Scan# 61
Delta R.T. -0.008 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

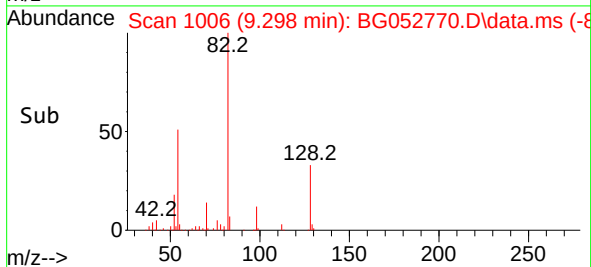
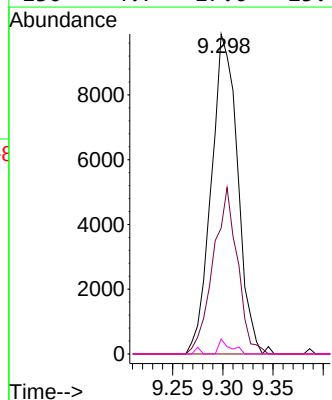
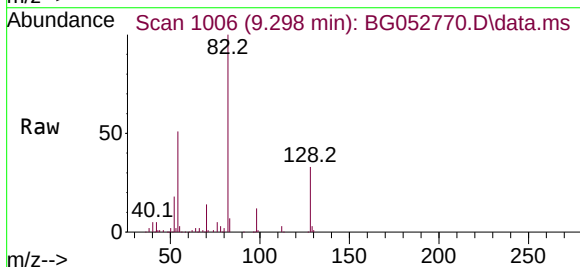
Instrument :
BNA_G
ClientSampleId :
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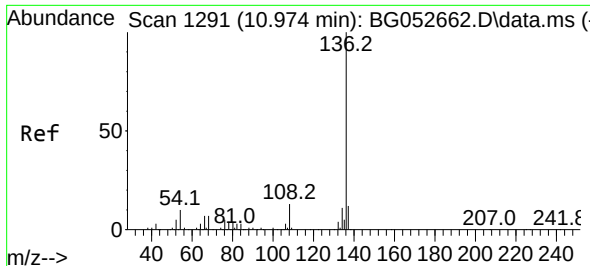
Tgt Ion: 99 Resp: 191477
Ion Ratio Lower Upper
99 100
42 21.0 14.7 22.1
71 41.4 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.748 ng
RT: 9.298 min Scan# 1006
Delta R.T. 0.333 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion: 70 Resp: 18036
Ion Ratio Lower Upper
70 100
42 39.3 46.0 69.0#
101 0.0 6.2 9.4#
130 4.7 17.0 25.4#

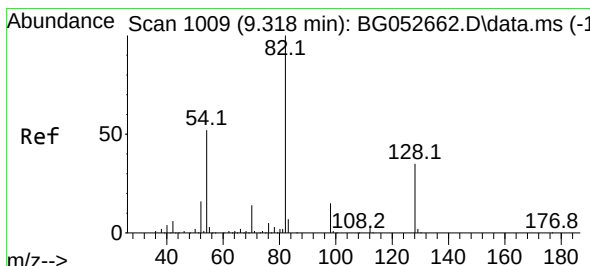
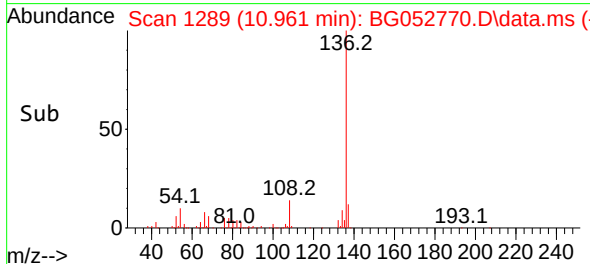
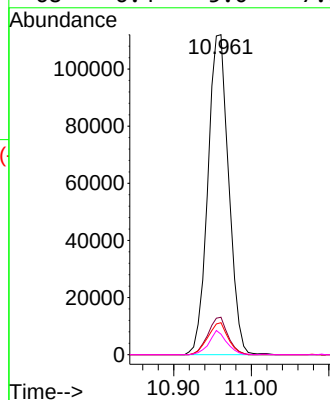
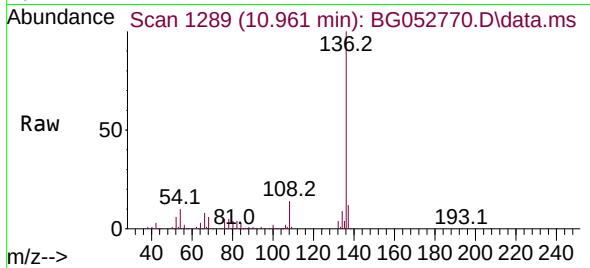




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.961 min Scan# 1006
Delta R.T. -0.013 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

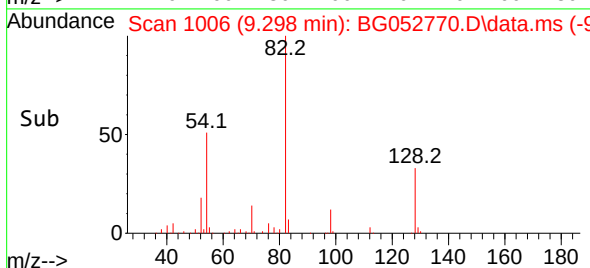
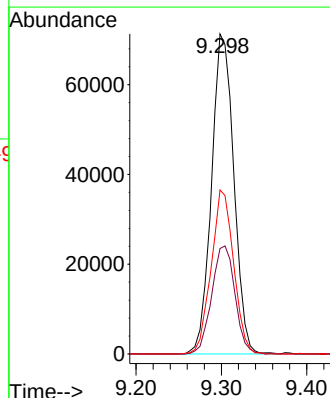
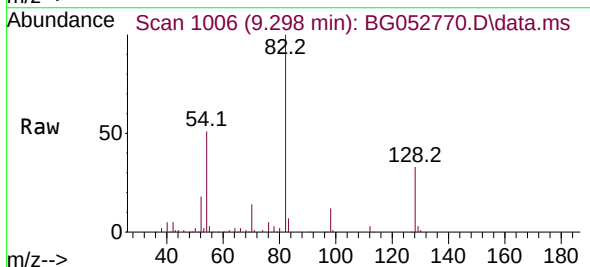
Instrument :
BNA_G
ClientSampleId :
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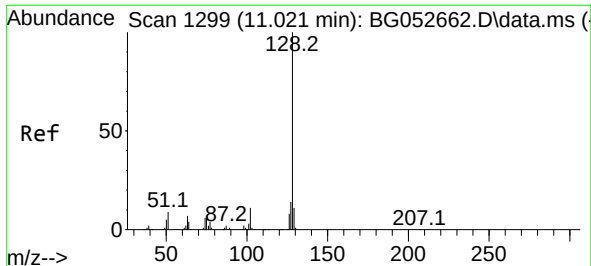
Tgt Ion:136 Resp: 208456
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 10.0 6.4 9.6#
68 6.4 5.0 7.6



#23
Nitrobenzene-d5
Concen: 31.149 ng
RT: 9.298 min Scan# 1006
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion: 82 Resp: 129373
Ion Ratio Lower Upper
82 100
128 32.9 31.3 46.9
54 51.3 37.8 56.8

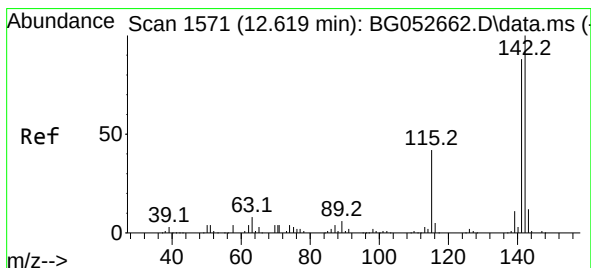
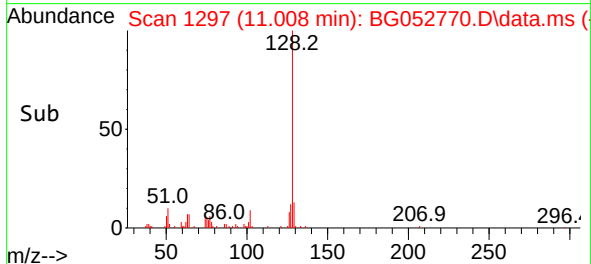
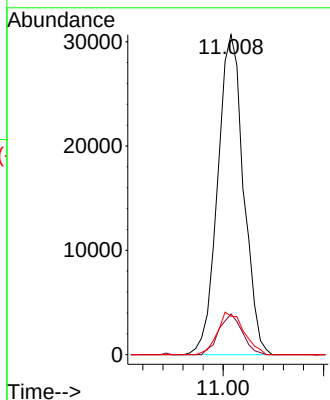
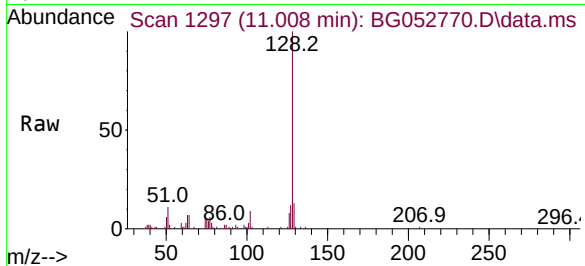




#31
Naphthalene
Concen: 5.091 ng
RT: 11.008 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

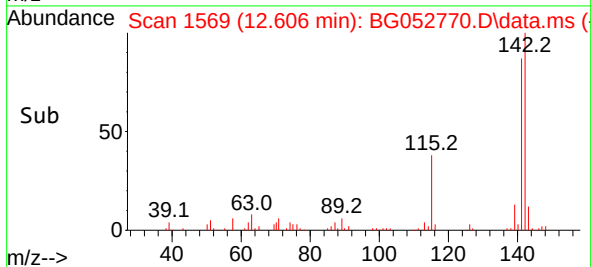
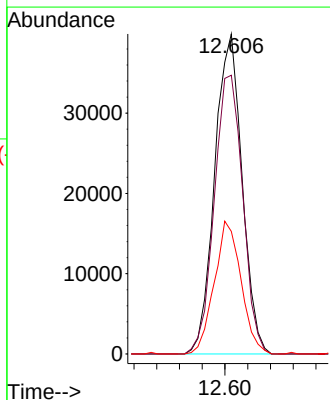
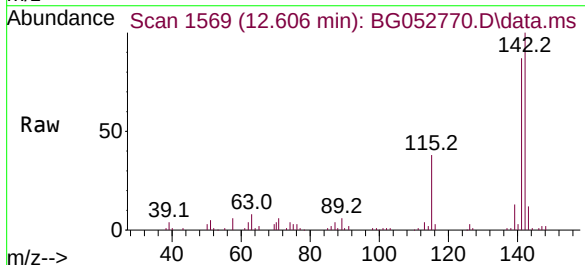
Instrument :
BNA_G
ClientSampleId :
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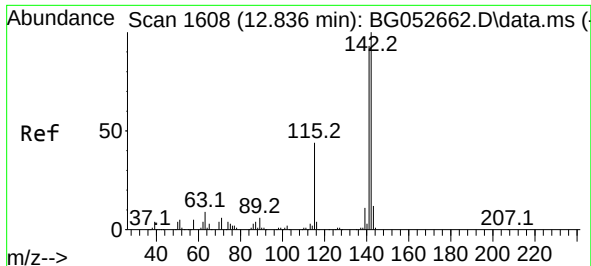
Tgt Ion:128 Resp: 54877
Ion Ratio Lower Upper
128 100
129 12.7 8.8 13.2
127 12.0 10.5 15.7



#37
2-Methylnaphthalene
Concen: 8.438 ng
RT: 12.606 min Scan# 1569
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:142 Resp: 66615
Ion Ratio Lower Upper
142 100
141 87.1 71.3 106.9
115 38.3 29.5 44.3

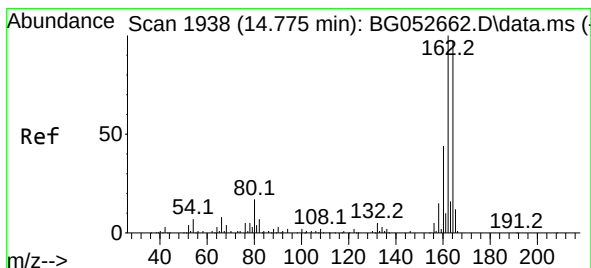
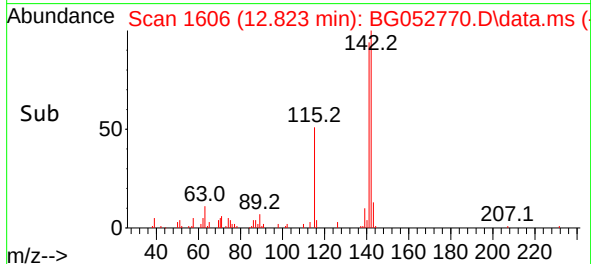
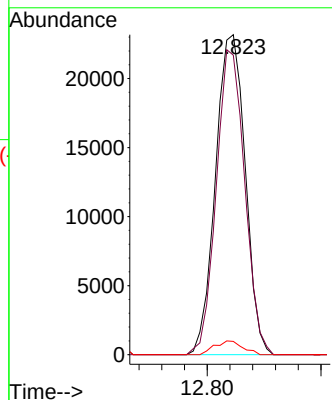
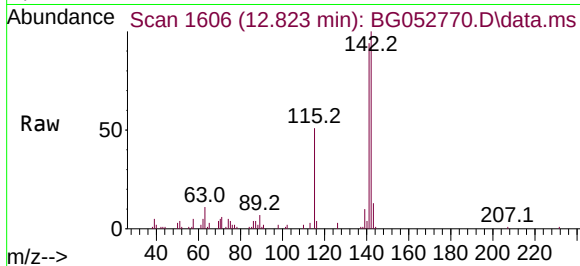




#38
1-Methylnaphthalene
Concen: 5.454 ng
RT: 12.823 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

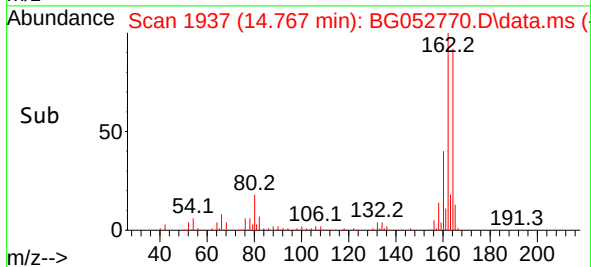
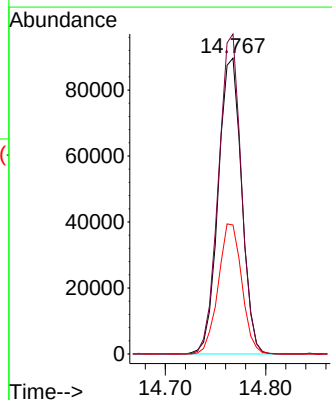
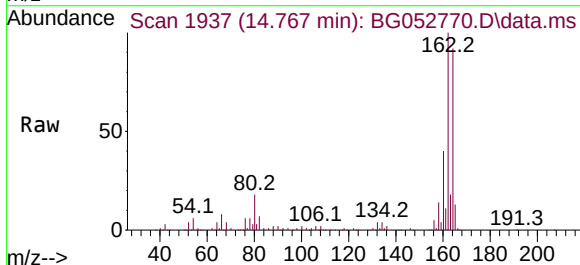
Instrument :
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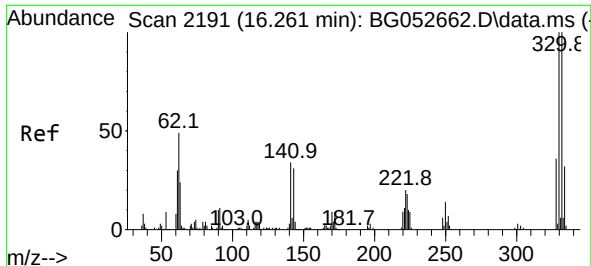
Tgt Ion:142 Resp: 42020
Ion Ratio Lower Upper
142 100
141 93.6 70.5 105.7
116 4.1 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.767 min Scan# 1937
Delta R.T. -0.008 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:164 Resp: 144505
Ion Ratio Lower Upper
164 100
162 108.2 80.0 120.0
160 43.6 38.8 58.2

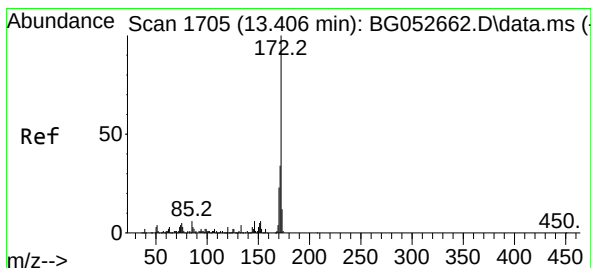
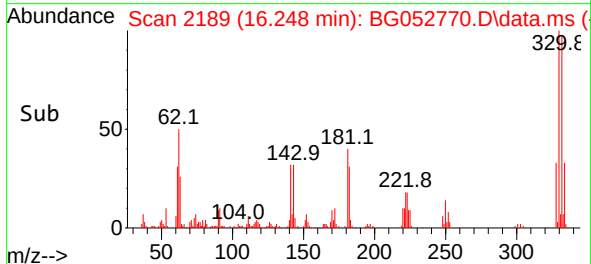
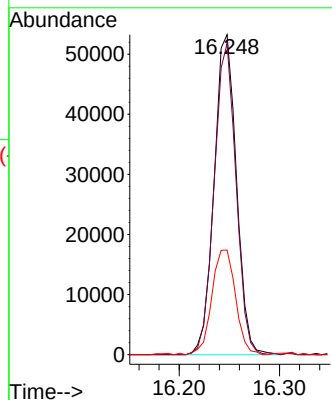
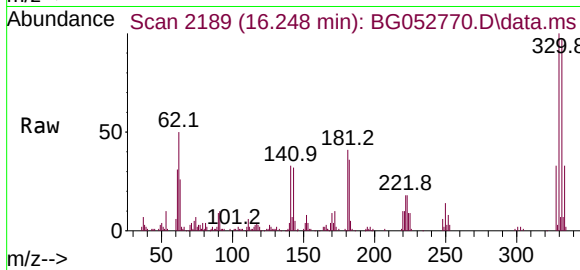




#42
2,4,6-Tribromophenol
Concen: 42.286 ng
RT: 16.248 min Scan# 2191
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

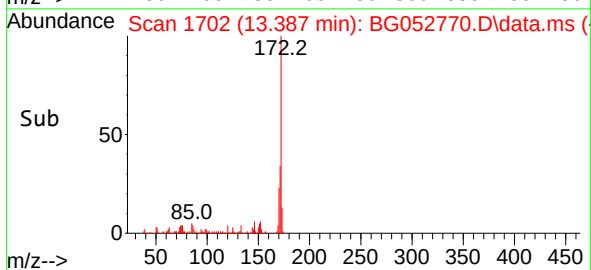
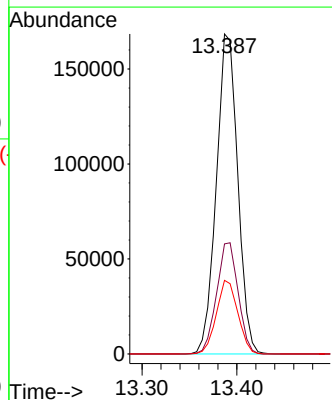
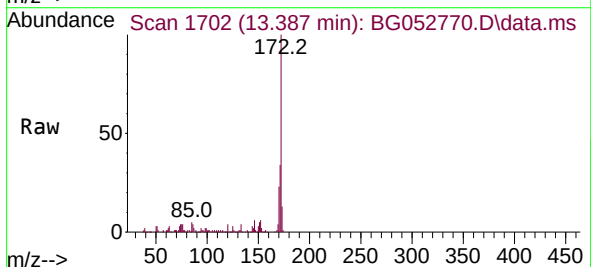
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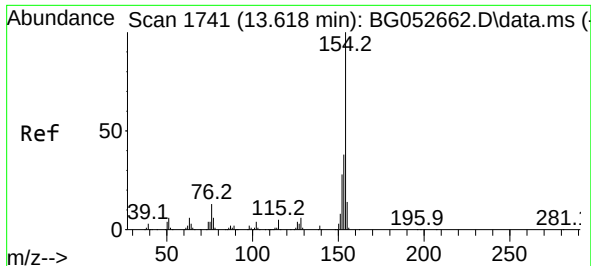
Tgt Ion:330 Resp: 82109
Ion Ratio Lower Upper
330 100
332 95.4 75.8 113.6
141 34.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 27.002 ng
RT: 13.387 min Scan# 1702
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:172 Resp: 264569
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.0 18.0 27.0

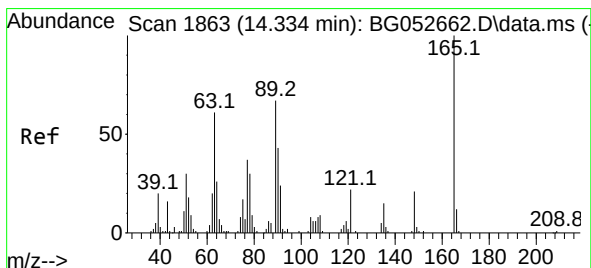
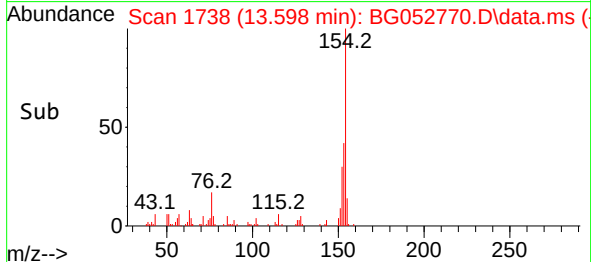
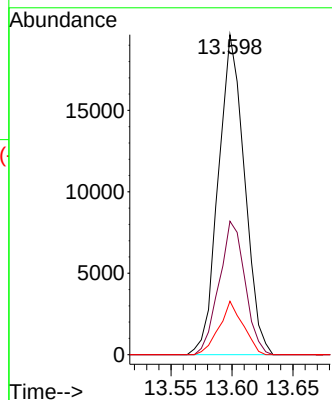
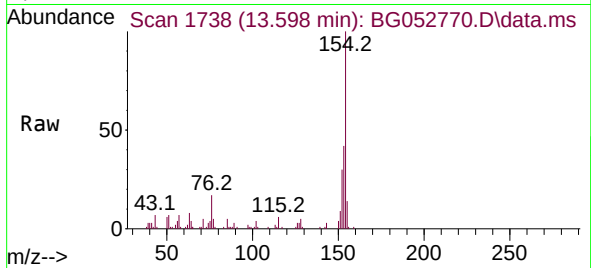




#46
1,1'-Biphenyl
Concen: 2.905 ng
RT: 13.598 min Scan# 1
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

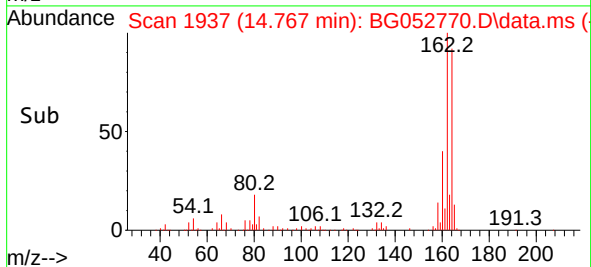
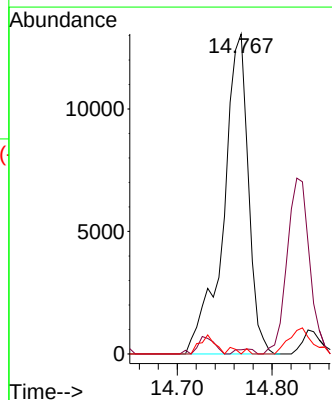
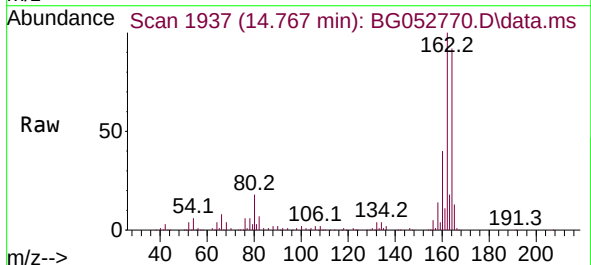
Instrument :
BNA_G
ClientSampleId :
124019DL

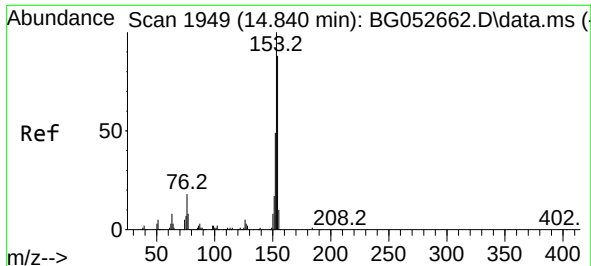
Tgt Ion:154 Resp: 29357
Ion Ratio Lower Upper
154 100
153 41.7 21.6 61.6
76 16.7 0.0 31.5



#51
2,6-Dinitrotoluene
Concen: 13.113 ng
RT: 14.767 min Scan# 1937
Delta R.T. 0.433 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:165 Resp: 23778
Ion Ratio Lower Upper
165 100
63 1.3 43.7 65.5#
89 0.0 45.0 67.4#

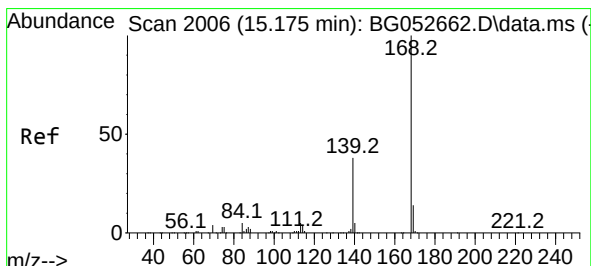
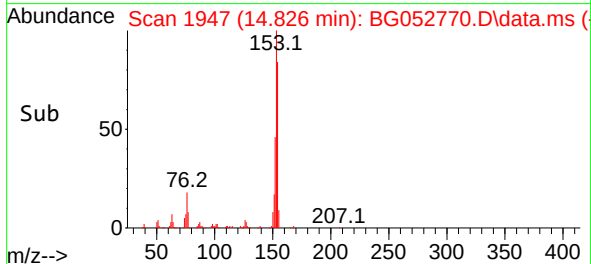
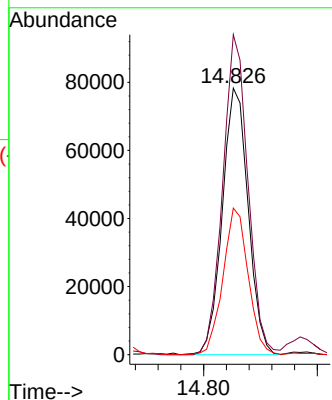
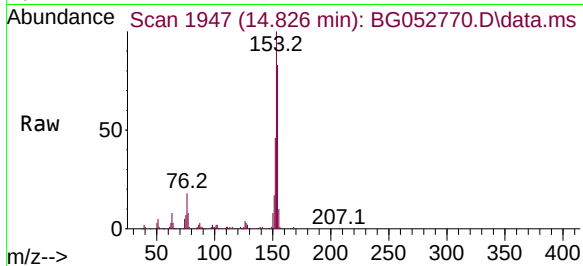




#52
Acenaphthene
Concen: 15.215 ng
RT: 14.826 min Scan# 1947
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

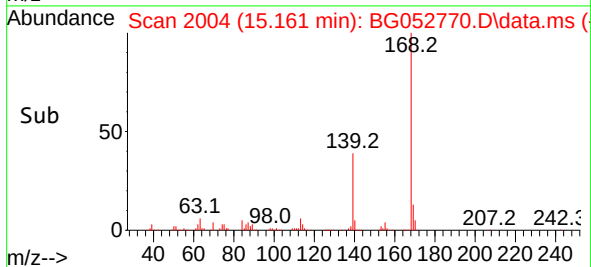
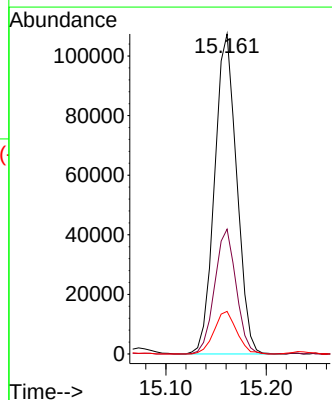
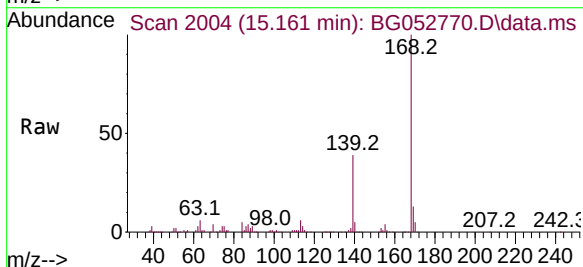
Instrument :
BNA_G
ClientSampleId :
124019DL

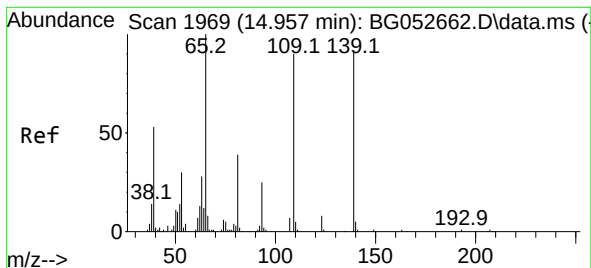
Tgt Ion:154 Resp: 123662
Ion Ratio Lower Upper
154 100
153 120.1 89.0 133.4
152 55.0 40.5 60.7



#55
Dibenzofuran
Concen: 12.376 ng
RT: 15.161 min Scan# 2004
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:168 Resp: 164256
Ion Ratio Lower Upper
168 100
139 39.0 30.2 45.4
169 13.3 10.7 16.1

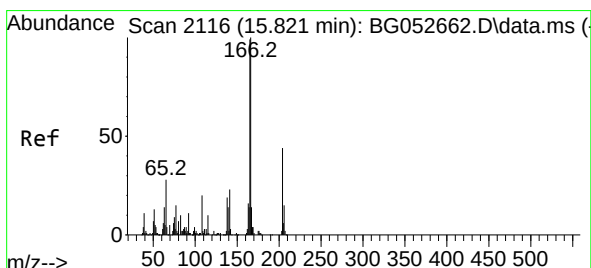
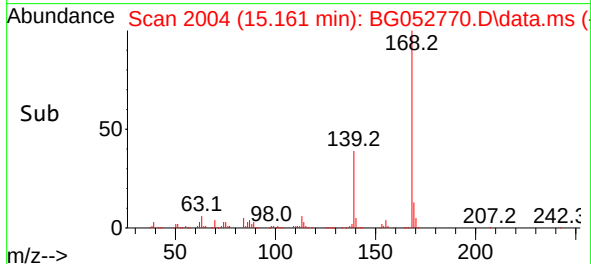
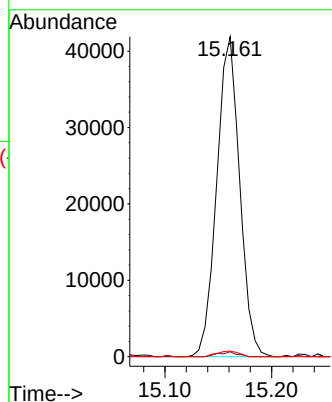
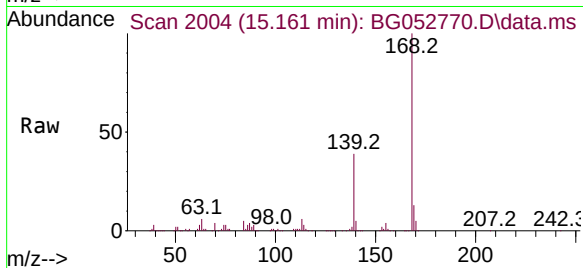




#56
4-Nitrophenol
Concen: 36.028 ng
RT: 15.161 min Scan# 2014
Delta R.T. 0.204 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

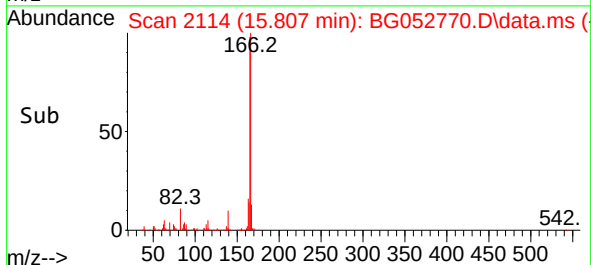
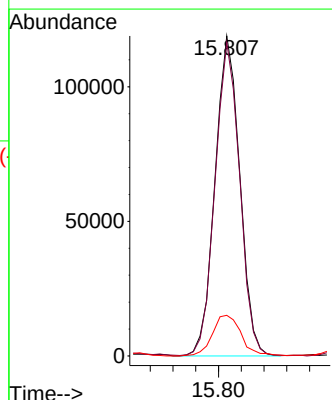
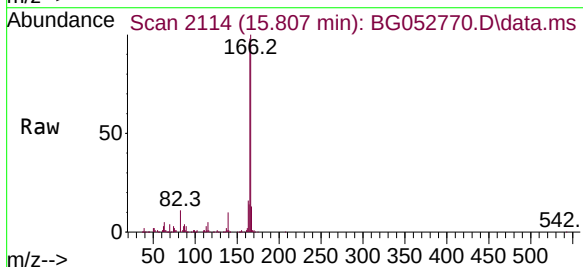
Instrument :
BNA_G
ClientSampleId :
124019DL

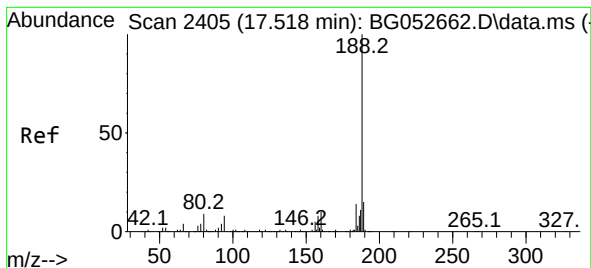
Tgt Ion:139 Resp: 62357
Ion Ratio Lower Upper
139 100
109 1.6 67.1 107.1#
65 1.8 88.2 128.2#



#58
Fluorene
Concen: 16.654 ng
RT: 15.807 min Scan# 2114
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:166 Resp: 180179
Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 12.7 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.511 min Scan# 2404

Delta R.T. -0.008 min

Lab File: BG052770.D

Acq: 21 Mar 2022 16:31

Instrument :

BNA_G

ClientSampleId :

124019DL

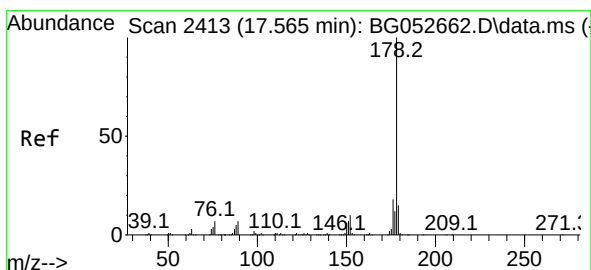
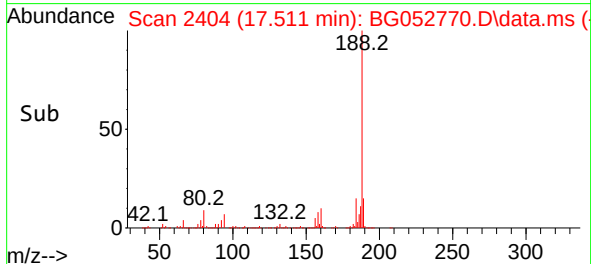
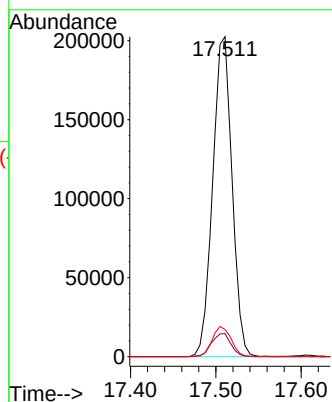
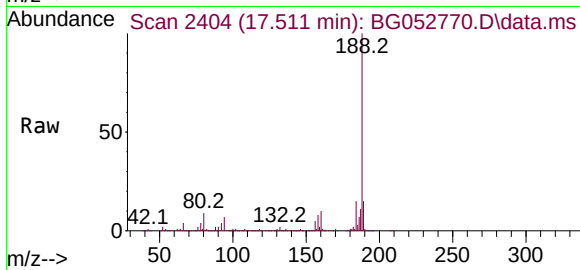
Tgt Ion:188 Resp: 318883

Ion Ratio Lower Upper

188 100

94 7.2 5.7 8.5

80 8.5 7.2 10.8



#71

Phenanthrene

Concen: 44.108 ng

RT: 17.552 min Scan# 2411

Delta R.T. -0.014 min

Lab File: BG052770.D

Acq: 21 Mar 2022 16:31

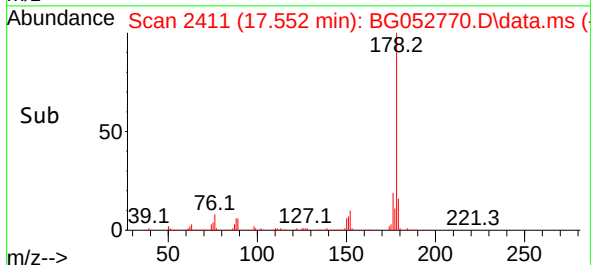
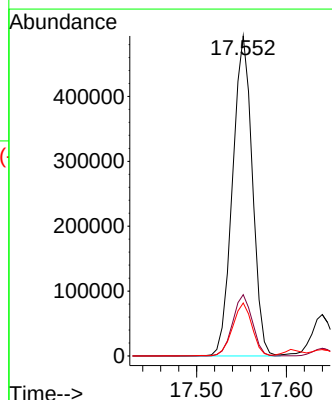
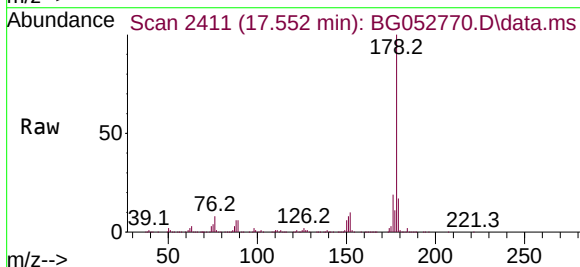
Tgt Ion:178 Resp: 752452

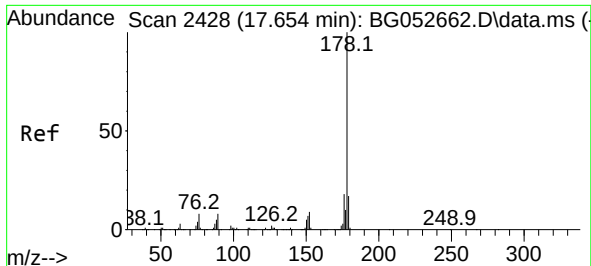
Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

179 16.5 13.4 20.2

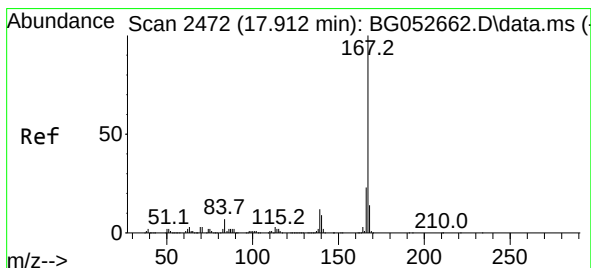
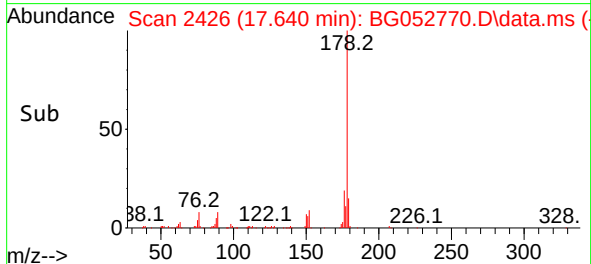
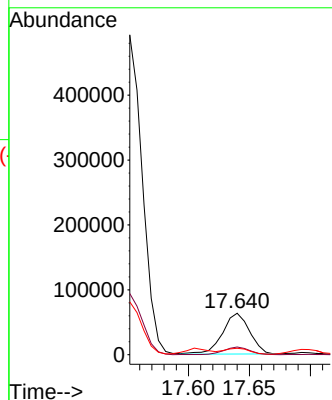
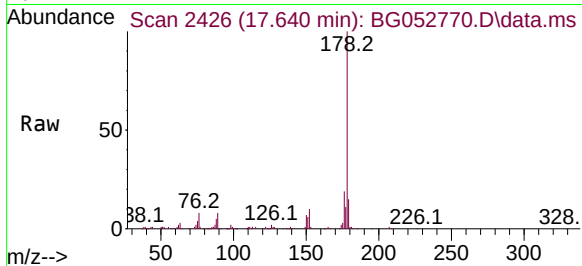




#72
 Anthracene
 Concen: 5.778 ng
 RT: 17.640 min Scan# 2428
 Delta R.T. -0.014 min
 Lab File: BG052770.D
 Acq: 21 Mar 2022 16:31

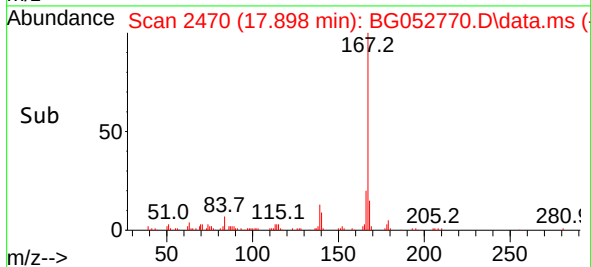
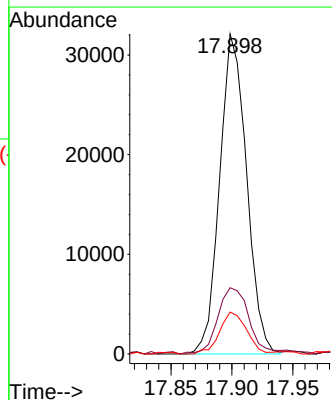
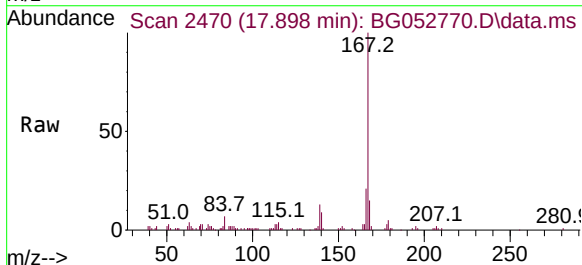
Instrument :
 BNA_G
 ClientSampleId :
 124019DL

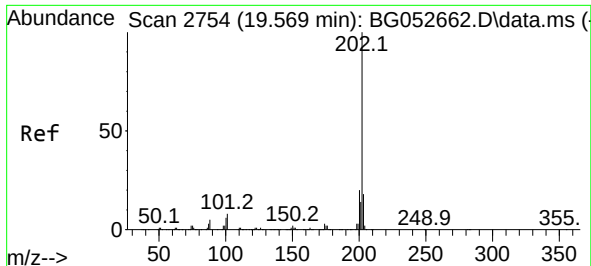
Tgt Ion:178 Resp: 97448
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.7 22.1
 179 15.3 13.2 19.8



#73
 Carbazole
 Concen: 2.952 ng
 RT: 17.898 min Scan# 2470
 Delta R.T. -0.014 min
 Lab File: BG052770.D
 Acq: 21 Mar 2022 16:31

Tgt Ion:167 Resp: 49309
 Ion Ratio Lower Upper
 167 100
 166 20.7 18.5 27.7
 139 13.1 10.0 15.0

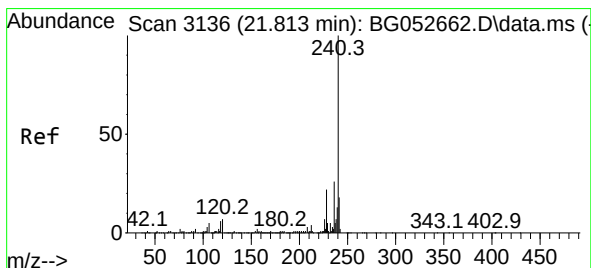
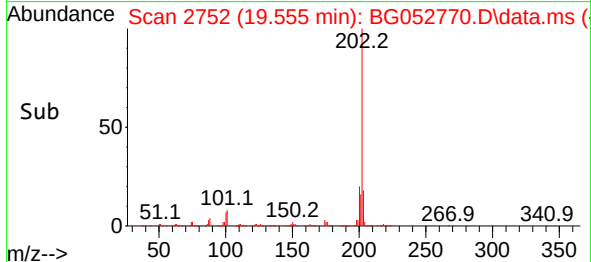
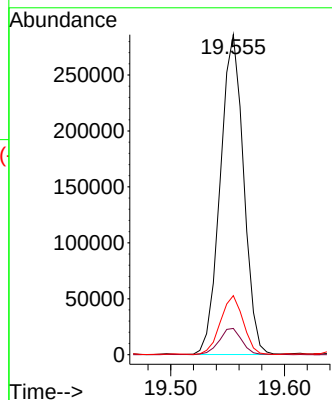
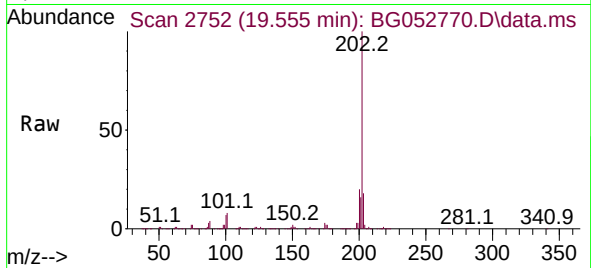




#75
Fluoranthene
Concen: 18.849 ng
RT: 19.555 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

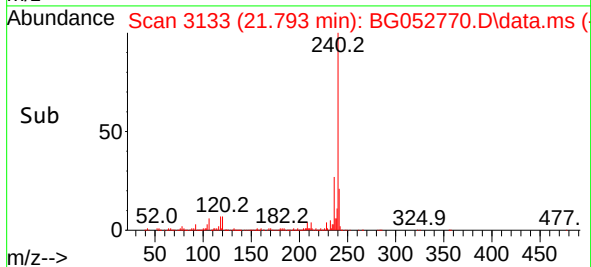
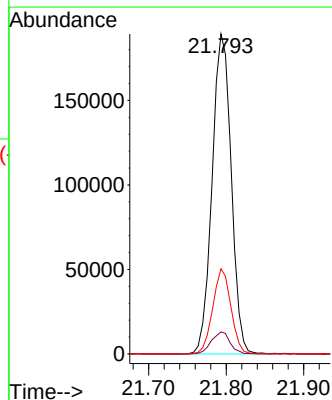
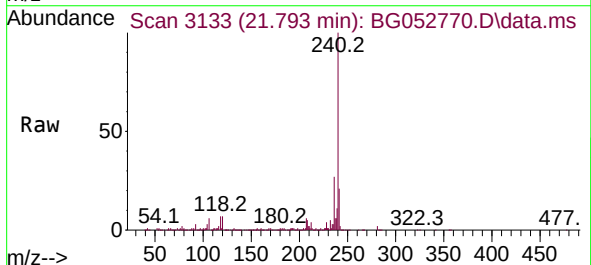
Instrument :
BNA_G
ClientSampleId :
124019DL

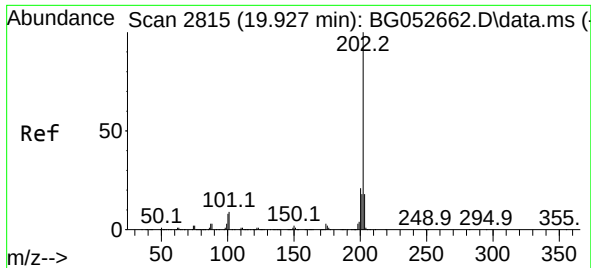
Tgt Ion:202 Resp: 408167
Ion Ratio Lower Upper
202 100
101 8.2 0.0 27.3
203 18.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.793 min Scan# 3133
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Tgt Ion:240 Resp: 325148
Ion Ratio Lower Upper
240 100
120 6.9 5.4 8.0
236 26.6 19.8 29.6

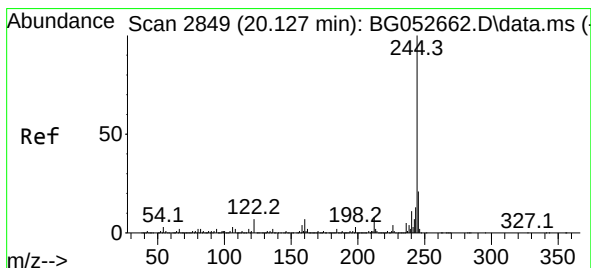
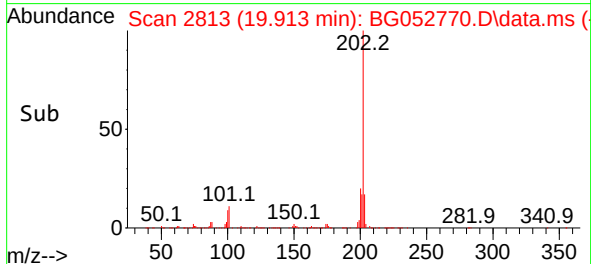
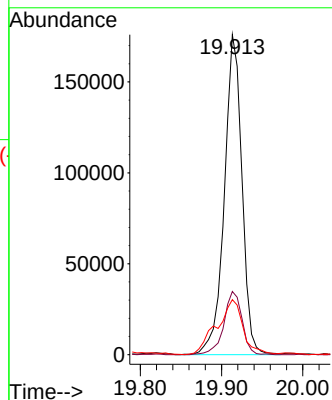
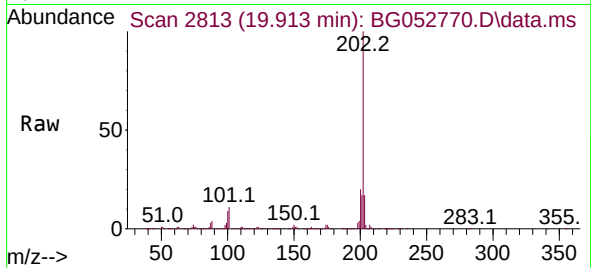




#78
 Pyrene
 Concen: 11.779 ng
 RT: 19.913 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG052770.D
 Acq: 21 Mar 2022 16:31

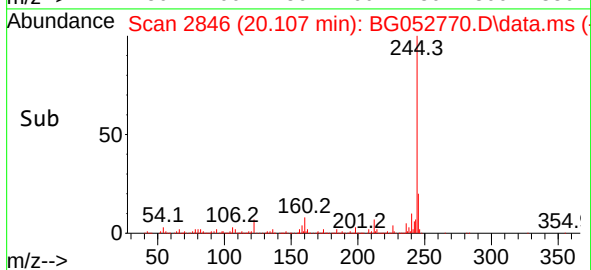
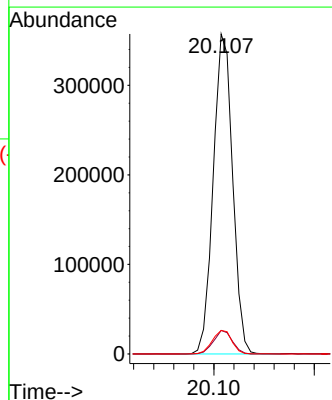
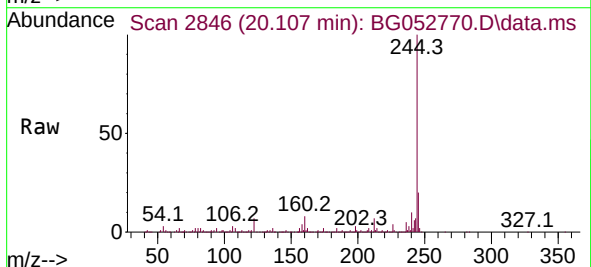
Instrument :
 BNA_G
 ClientSampleId :
 124019DL

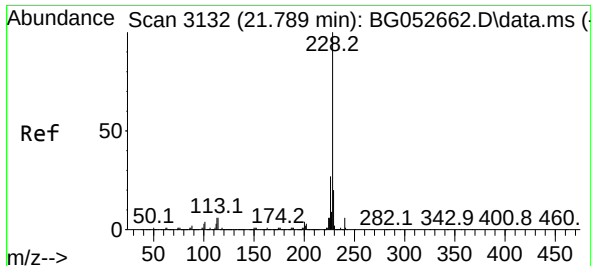
Tgt Ion:202 Resp: 265674
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.0 25.6
 203 17.2 15.0 22.6



#79
 Terphenyl-d14
 Concen: 26.162 ng
 RT: 20.107 min Scan# 2846
 Delta R.T. -0.019 min
 Lab File: BG052770.D
 Acq: 21 Mar 2022 16:31

Tgt Ion:244 Resp: 478207
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 7.3 5.8 8.6

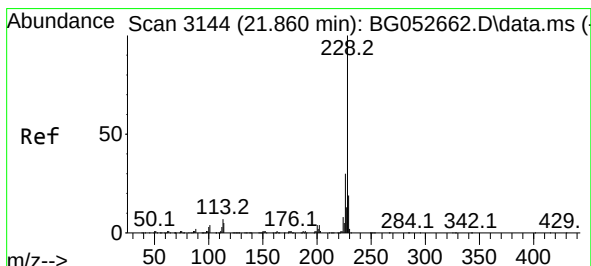
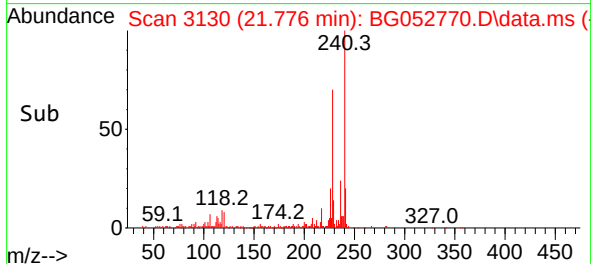
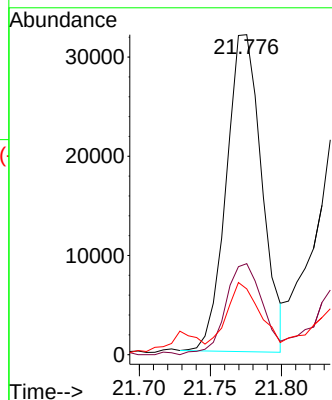
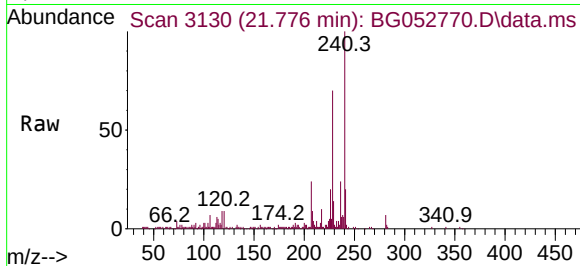




#81
Benzo(a)anthracene
Concen: 2.557 ng
RT: 21.776 min Scan# 3132
Delta R.T. -0.014 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

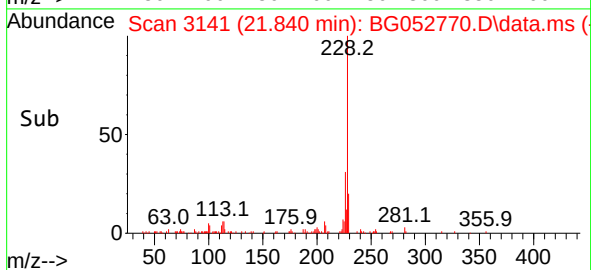
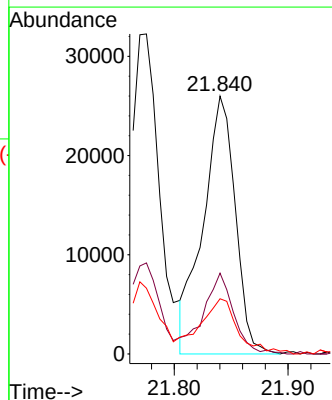
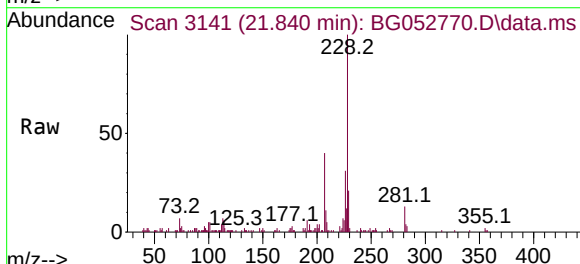
Instrument :
BNA_G
ClientSampleId :
124019DL

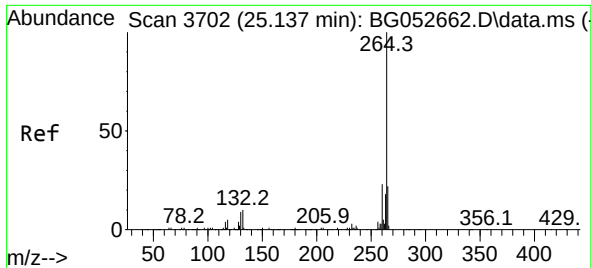
Tgt Ion:228 Resp: 55672
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.0
229 20.6 16.7 25.1



#83
Chrysene
Concen: 2.505 ng
RT: 21.840 min Scan# 3141
Delta R.T. -0.019 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

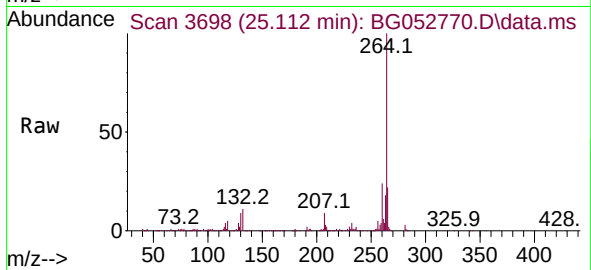
Tgt Ion:228 Resp: 51274
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.4
229 21.4 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.112 min Scan# 30
Delta R.T. -0.025 min
Lab File: BG052770.D
Acq: 21 Mar 2022 16:31

Instrument :
BNA_G
ClientSampleId :
124019DL



Tgt Ion:264 Resp: 342945

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.2
265	21.8	15.1	22.7

