

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042542.D
 Acq On : 28 Aug 2019 21:14
 Operator : HP/JU
 Sample : K4522-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 05:59:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	36904	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	134721	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	98131	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	237967	20.00	ng	0.00
76) Chrysene-d12	21.69	240	298080	20.00	ng	0.00
87) Perylene-d12	24.92	264	356320	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	247801	135.99	ng	0.00
7) Phenol-d6	7.16	99	318817	129.53	ng	0.00
23) Nitrobenzene-d5	9.17	82	180599	92.64	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	205623	147.42	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	541157	93.27	ng	0.00
79) Terphenyl-d14	20.02	244	1155942	83.84	ng	0.00

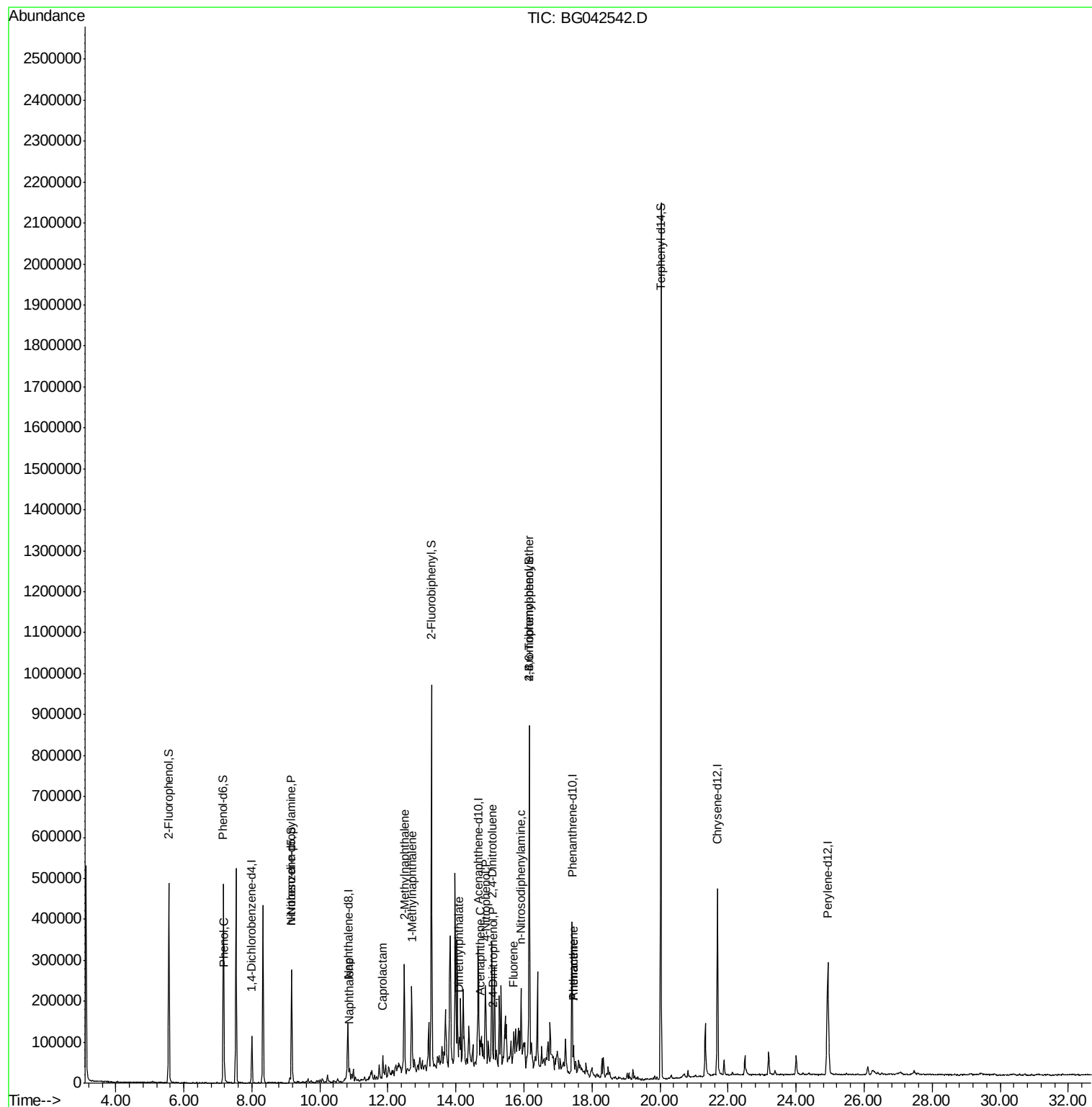
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	11894	4.753	ng	76
19) n-Nitroso-di-n-propylamine	9.17	70	24096	15.111	ng	# 72
31) Naphthalene	10.87	128	17074	2.730	ng	# 87
35) Caprolactam	11.86	113	2715	3.649	ng	# 67
37) 2-Methylnaphthalene	12.48	142	146830	29.236	ng	98
38) 1-Methylnaphthalene	12.70	142	107854	22.608	ng	100
50) Dimethylphthalate	14.10	163	40906	5.777	ng	# 97
52) Acenaphthene	14.72	154	10300	2.061	ng	# 93
54) 2,4-Dinitrophenol	15.09	184	308	6.518	ng	# 1
56) 4-Nitrophenol	14.86	139	8682	7.444	ng	# 42
57) 2,4-Dinitrotoluene	15.06	165	5209	2.216	ng	# 65
58) Fluorene	15.71	166	22384	3.311	ng	# 91
66) n-Nitrosodiphenylamine	15.92	169	30420	4.648	ng	# 55
67) 4-Bromophenyl-phenylether	16.15	248	14163	4.692	ng	# 1
71) Phenanthrene	17.45	178	46939	3.971	ng	97
72) Anthracene	17.45	178	46939	3.978	ng	97

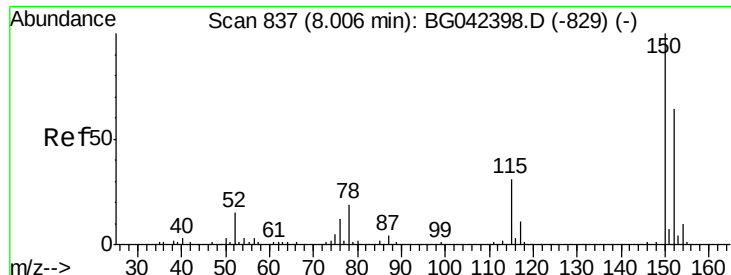
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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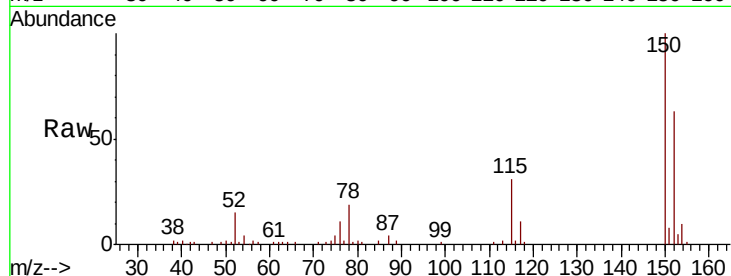


#1

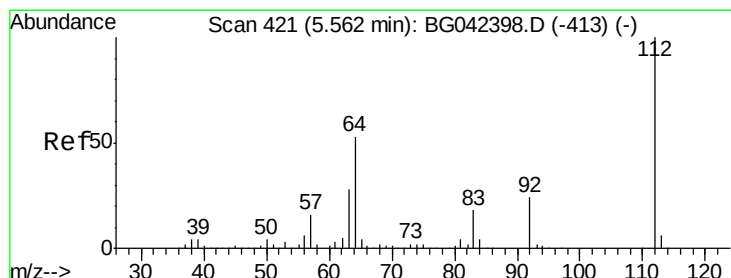
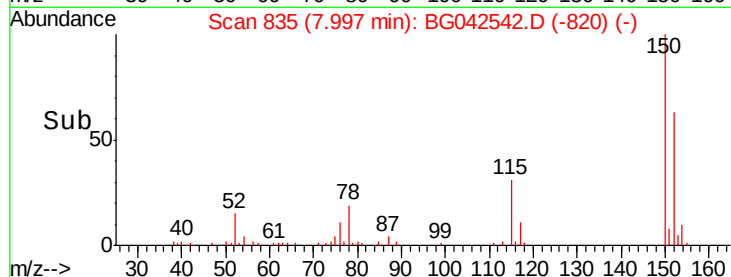
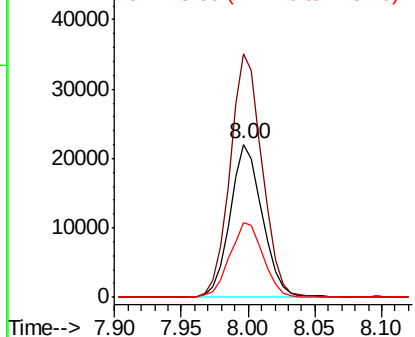
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 36904
Ion Ratio Lower Upper
152 100
150 159.0 125.4 188.0
115 48.9 38.5 57.7



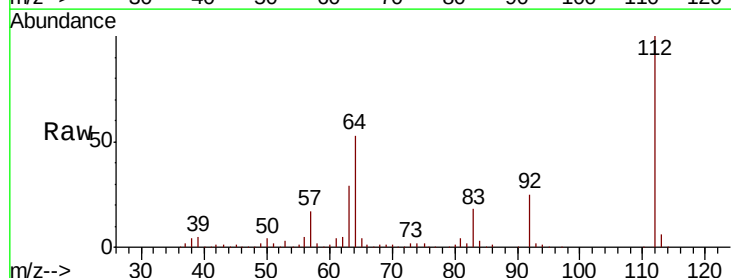
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



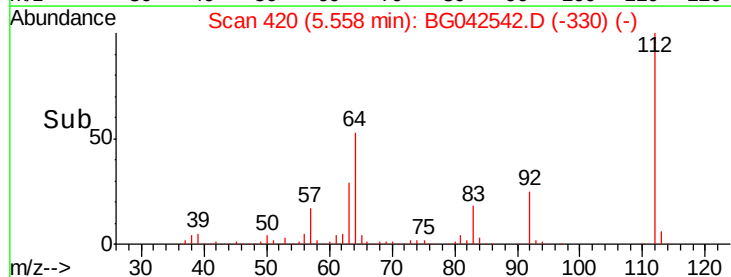
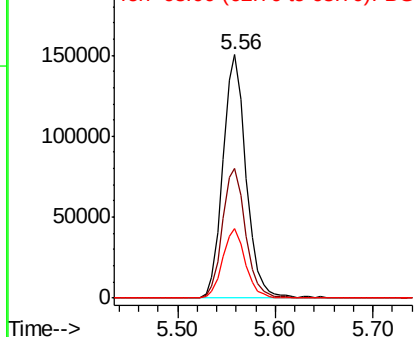
#5

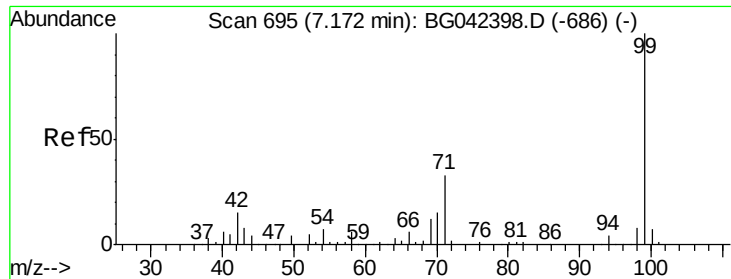
2-Fluorophenol
Concen: 135.993 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Tgt Ion:112 Resp: 247801
Ion Ratio Lower Upper
112 100
64 53.2 42.8 64.2
63 28.5 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 129.531 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

Instrument :

BNA_G

ClientSampled :

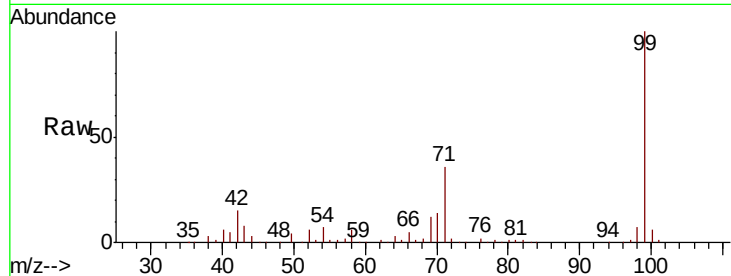
Tot Ion: 99 Resp: 318817

Ion Ratio Lower Upper

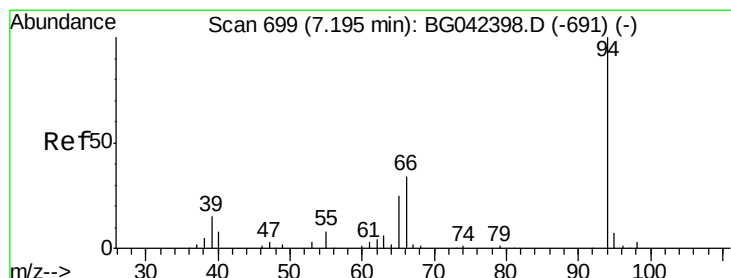
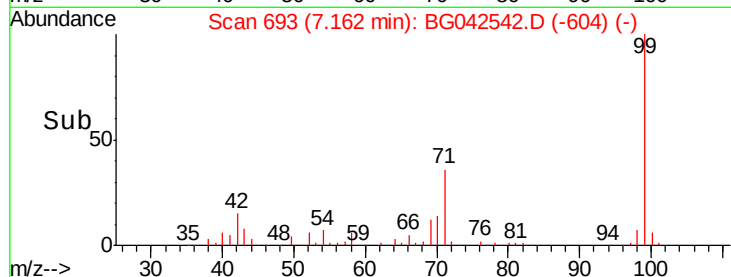
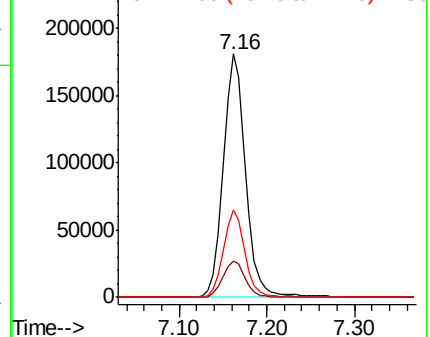
99 100

42 14.9 12.0 18.0

71 35.9 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 4.753 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

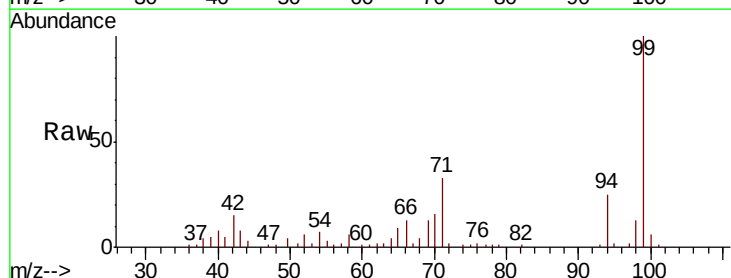
Tgt Ion: 94 Resp: 11894

Ion Ratio Lower Upper

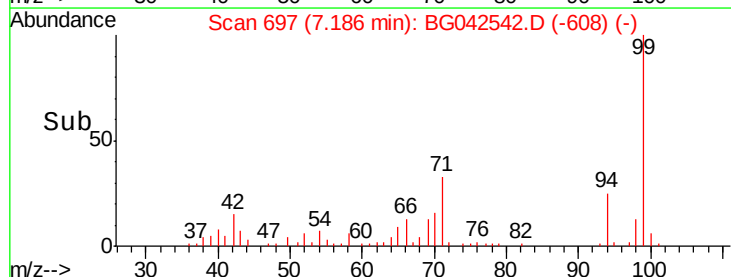
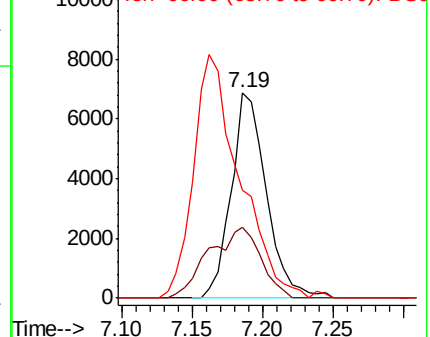
94 100

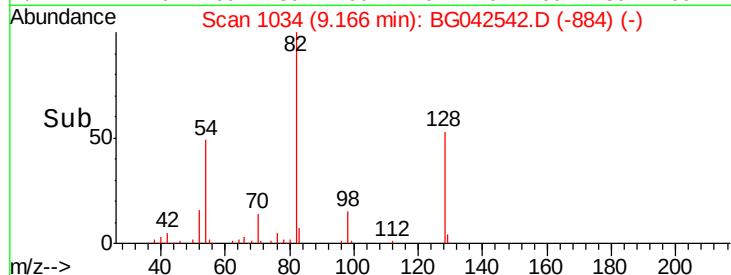
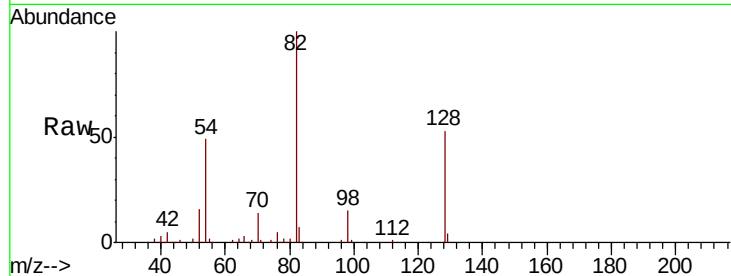
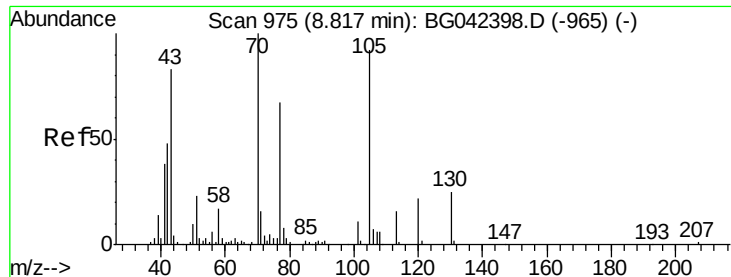
65 34.7 5.6 45.6

66 52.6 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

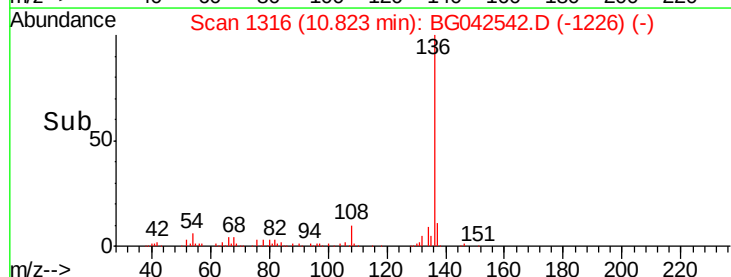
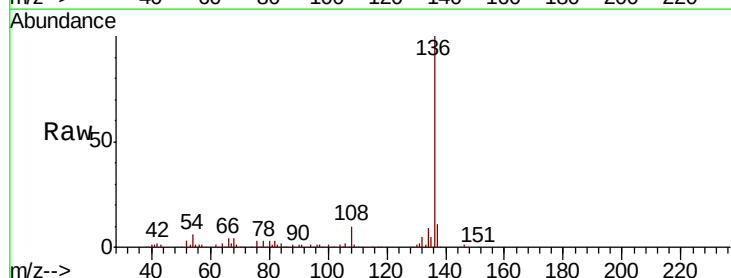
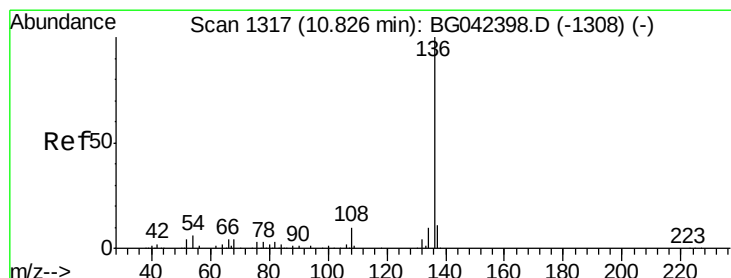
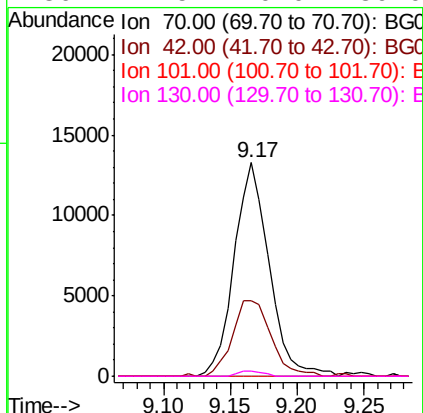




#19
n-Nitroso-di-n-propylamine
Concen: 15.111 ng
RT: 9.17 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

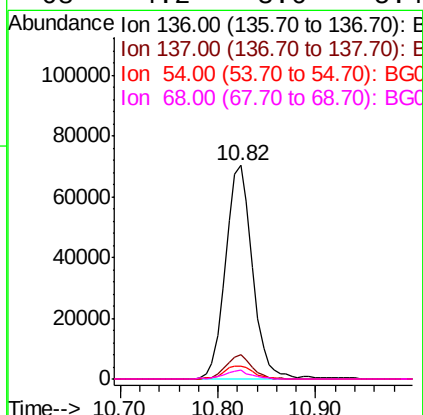
Instrument :
BNA_G
ClientSampleId :

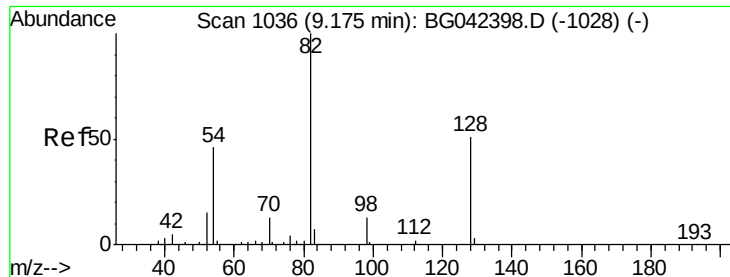
Tot Ion: 70 Resp: 24096
Ion Ratio Lower Upper
70 100
42 35.1 38.8 58.2#
101 0.0 9.0 13.6#
130 2.5 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Tgt Ion:136 Resp: 134721
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 6.1 4.9 7.3
68 4.2 3.6 5.4

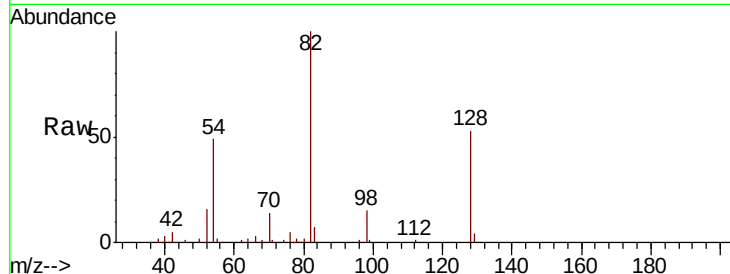




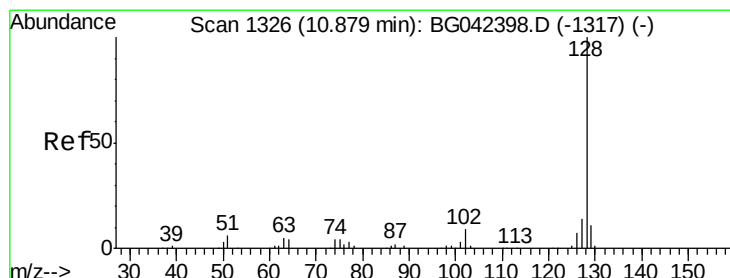
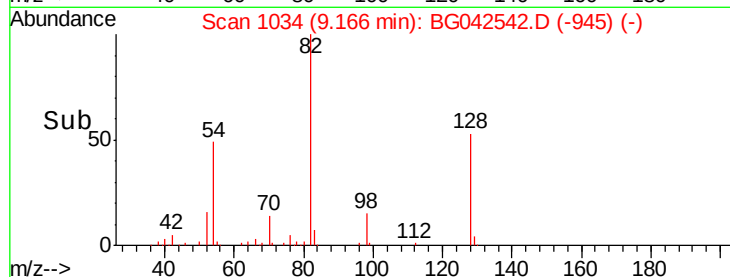
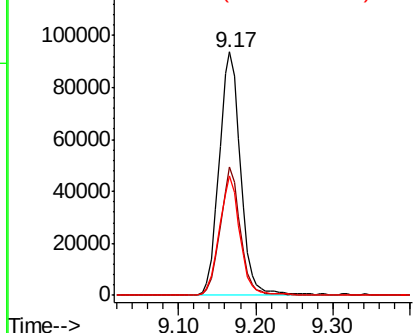
#23
Nitrobenzene-d5
Concen: 92.637 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	180599
Ion Ratio	Lower	Upper	
82	100		
128	52.7	40.7	61.1
54	49.0	36.3	54.5

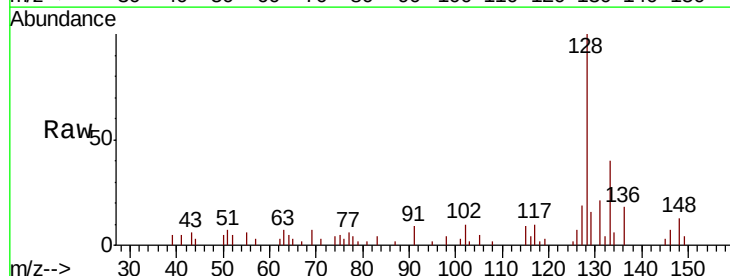


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

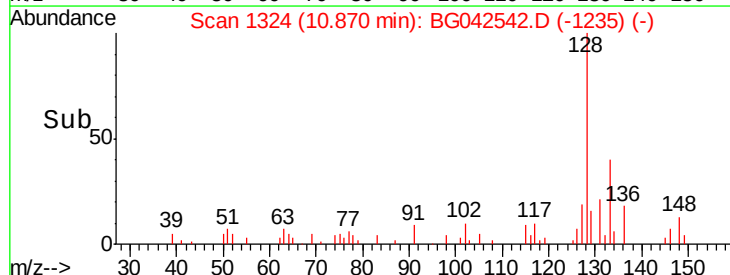
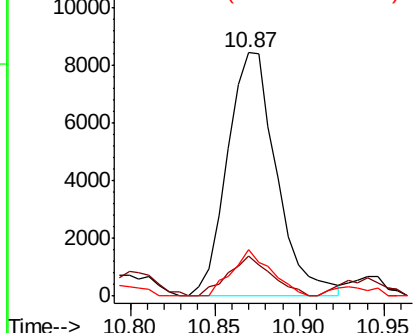


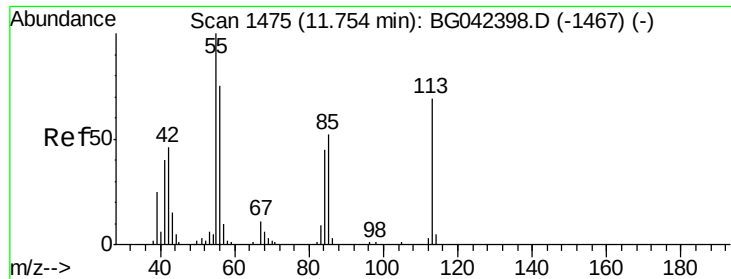
#31
Naphthalene
Concen: 2.730 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Tgt Ion	128	Resp	17074
Ion Ratio	Lower	Upper	
128	100		
129	16.5	8.8	13.2#
127	19.1	11.4	17.0#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#35

Caprolactam

Concen: 3.649 ng

RT: 11.86 min Scan# 1492

Delta R.T. 0.10 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

Instrument :

BNA_G

ClientSampled :

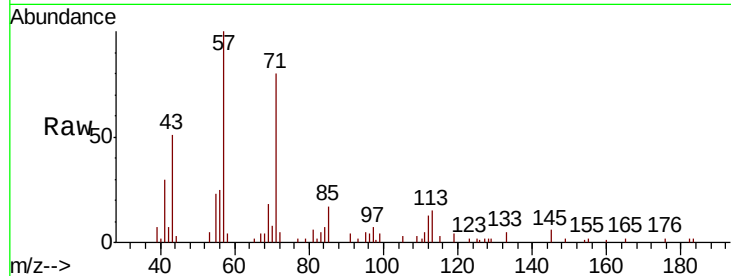
Tot Ion:113 Resp: 2715

Ion Ratio Lower Upper

113 100

55 159.2 124.6 164.6

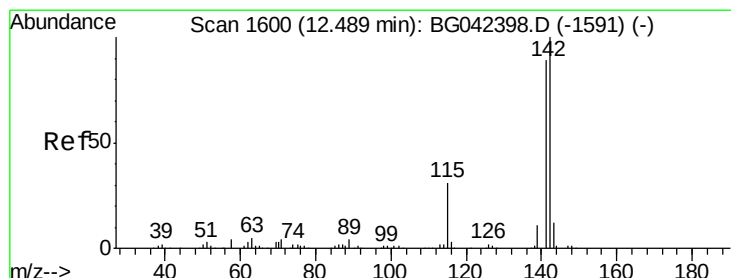
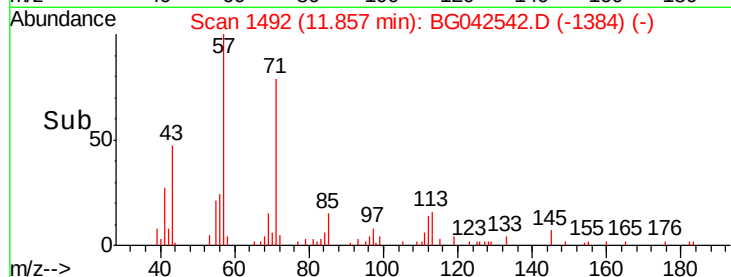
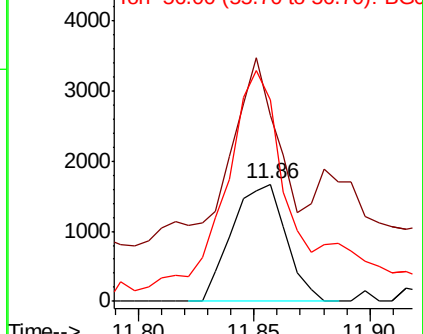
56 171.5 88.3 128.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#37

2-Methylnaphthalene

Concen: 29.236 ng

RT: 12.48 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

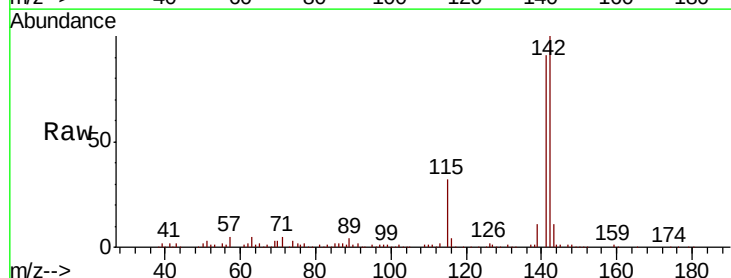
Tgt Ion:142 Resp: 146830

Ion Ratio Lower Upper

142 100

141 91.0 71.4 107.2

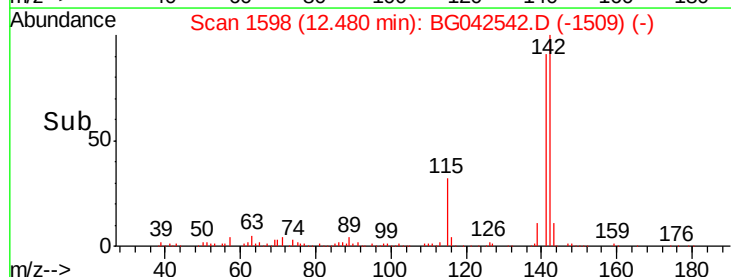
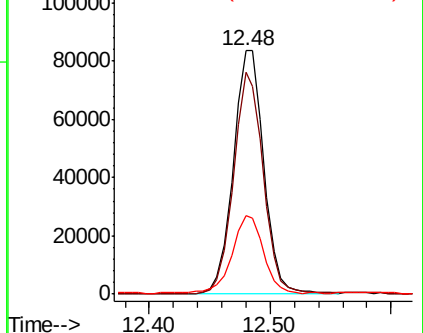
115 32.3 25.2 37.8

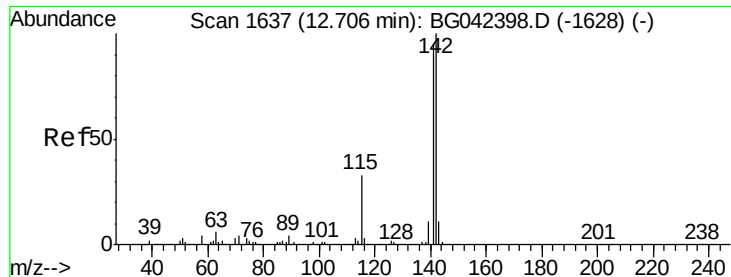


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

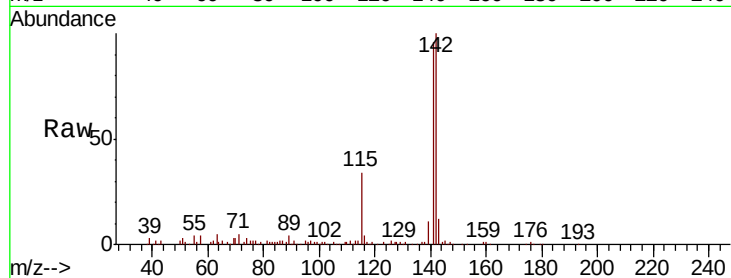




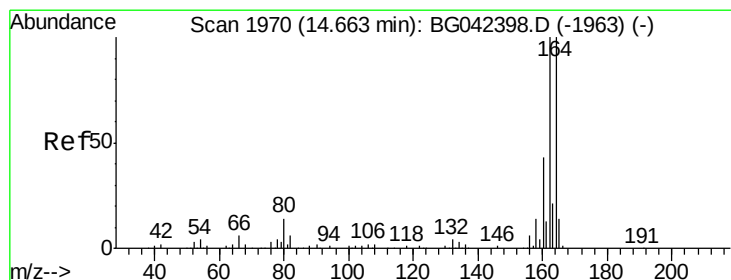
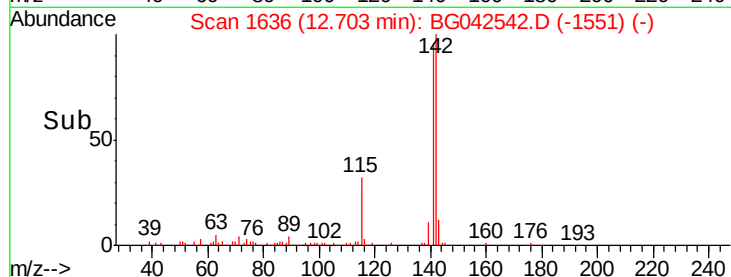
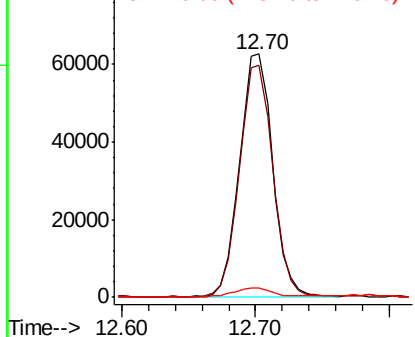
#38
1-Methylnaphthalene
Concen: 22.608 ng
RT: 12.70 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 107854
Ion Ratio Lower Upper
142 100
141 95.6 76.2 114.2
116 3.9 2.8 4.2

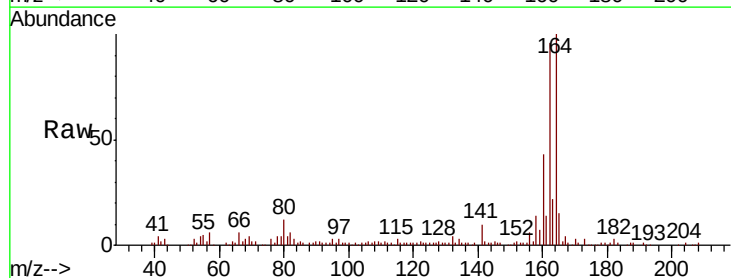


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

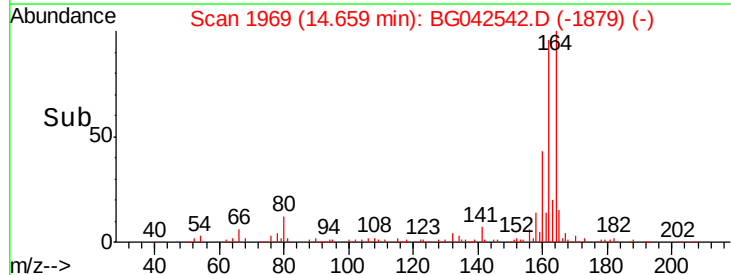
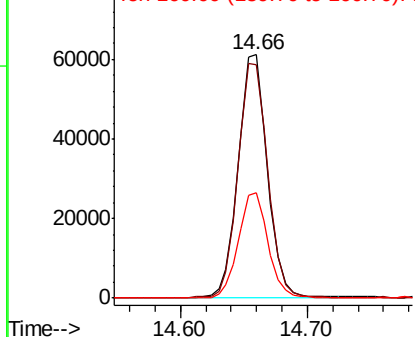


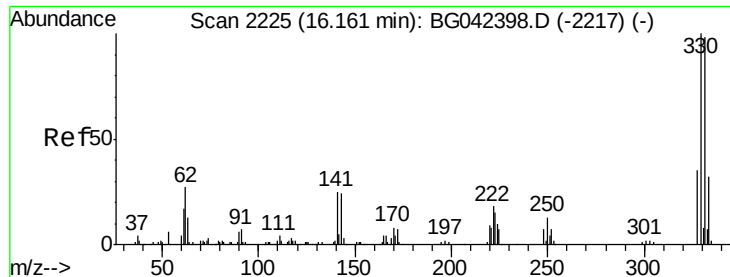
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Tgt Ion:164 Resp: 98131
Ion Ratio Lower Upper
164 100
162 95.6 79.9 119.9
160 43.2 34.3 51.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 147.424 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

Instrument :

BNA_G

ClientSampleId :

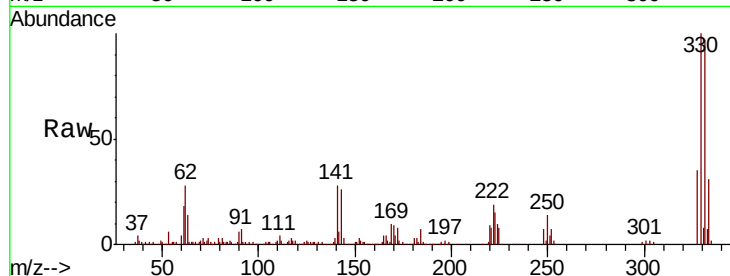
Tot Ion:330 Resp: 205623

Ion Ratio Lower Upper

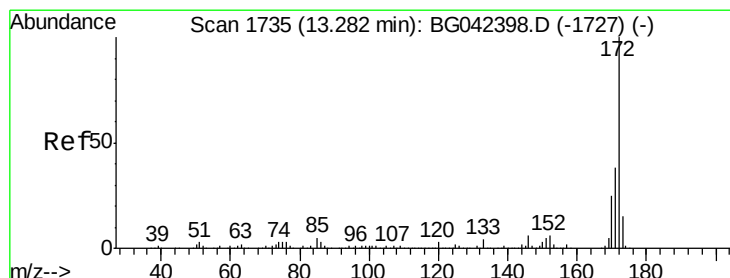
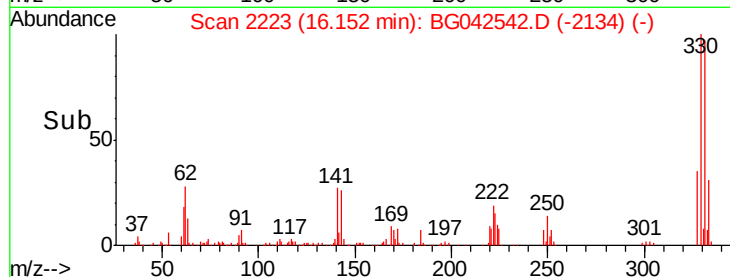
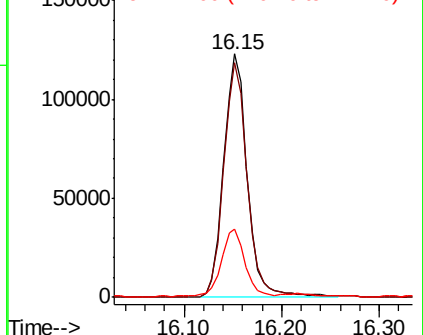
330 100

332 97.4 77.4 116.0

141 27.1 21.4 32.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 93.268 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

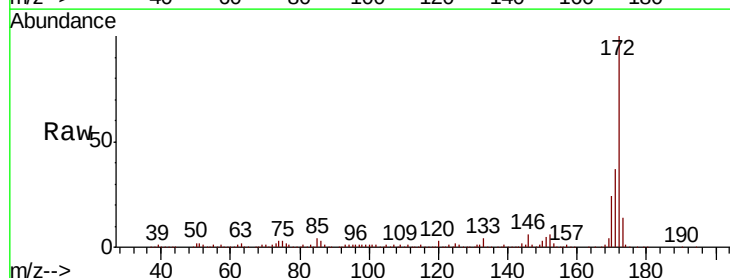
Tgt Ion:172 Resp: 541157

Ion Ratio Lower Upper

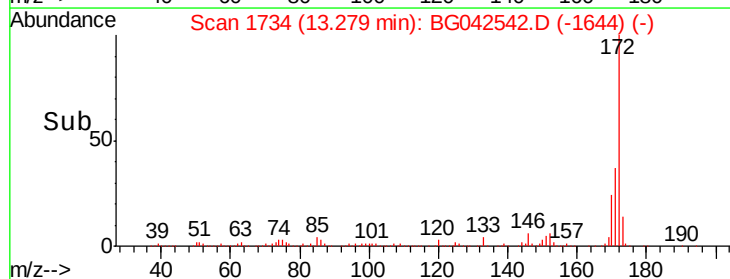
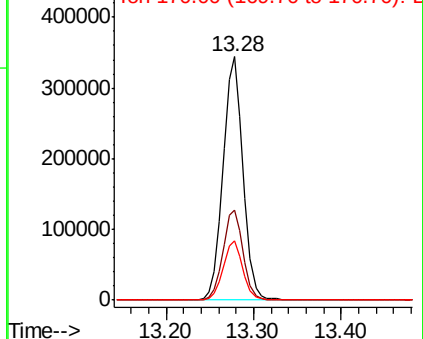
172 100

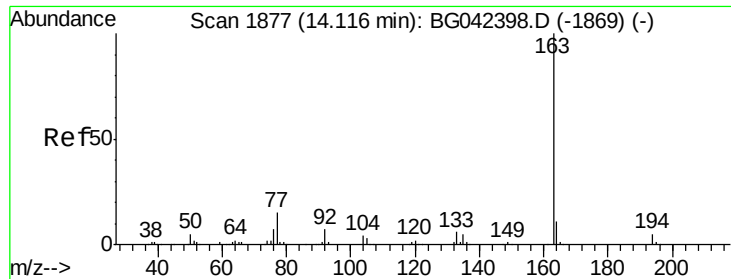
171 37.0 30.5 45.7

170 24.2 20.2 30.2



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

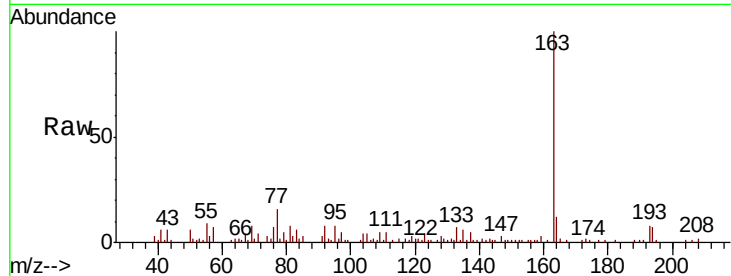




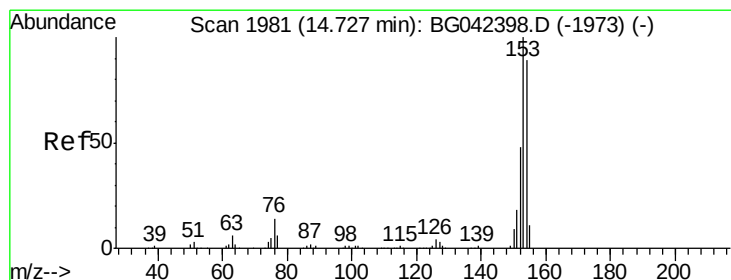
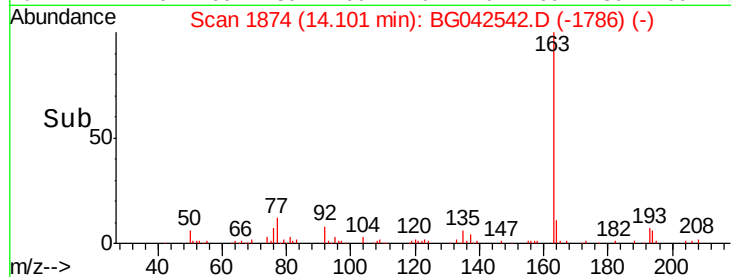
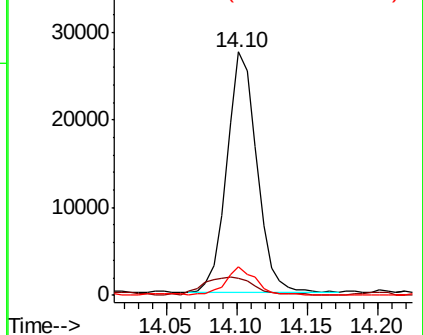
#50
Dimethylphthalate
Concen: 5.777 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.02 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 40906
Ion Ratio Lower Upper
163 100
194 7.0 4.2 6.2#
164 11.5 8.8 13.2

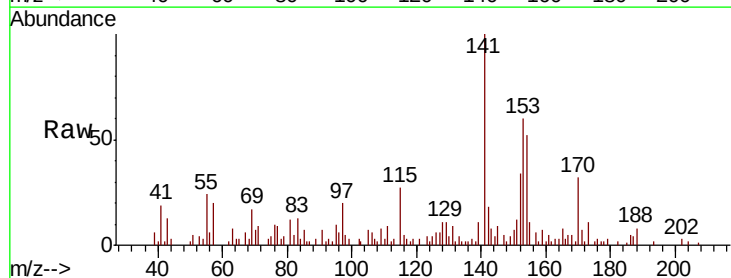


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

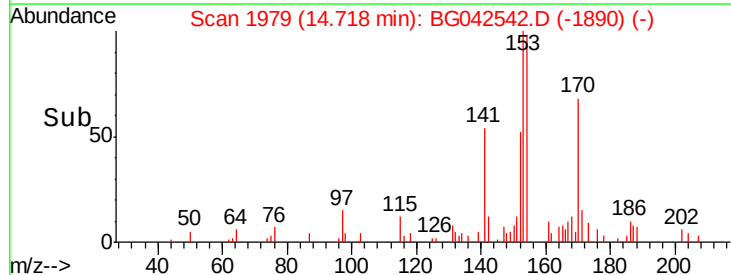
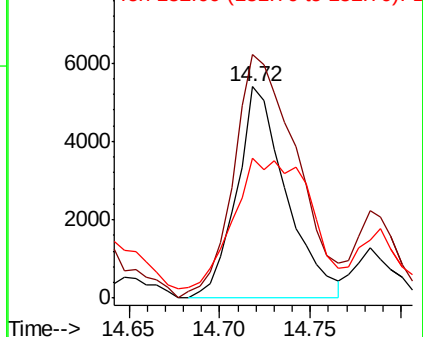


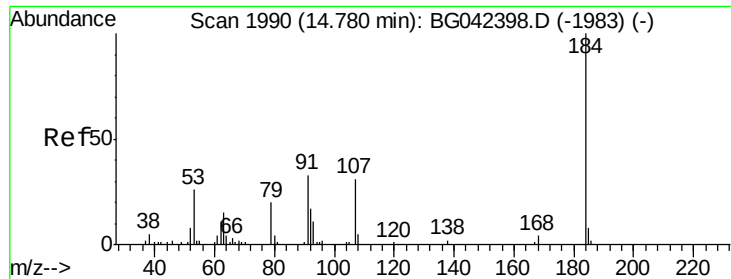
#52
Acenaphthene
Concen: 2.061 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG042542.D
Acq: 28 Aug 2019 21:14

Tgt Ion:154 Resp: 10300
Ion Ratio Lower Upper
154 100
153 115.1 90.2 135.4
152 65.9 43.2 64.8#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

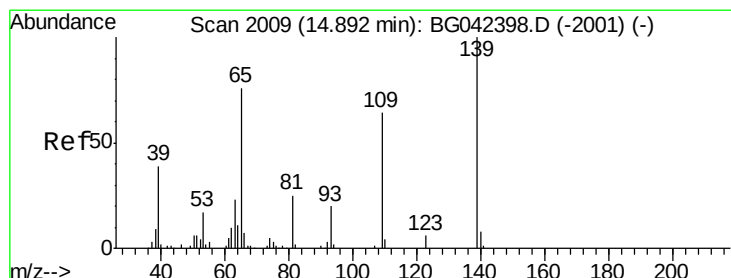
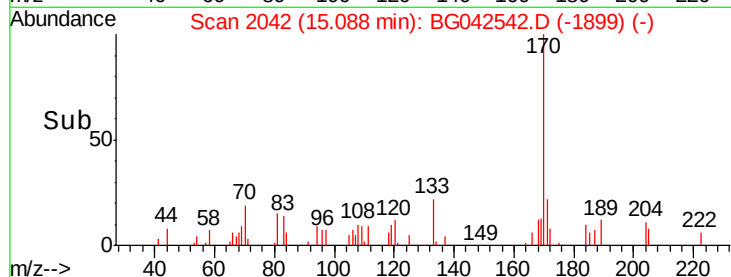
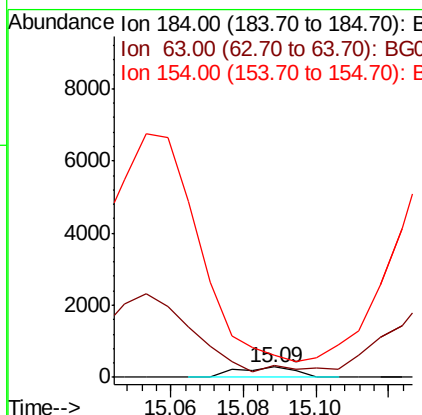
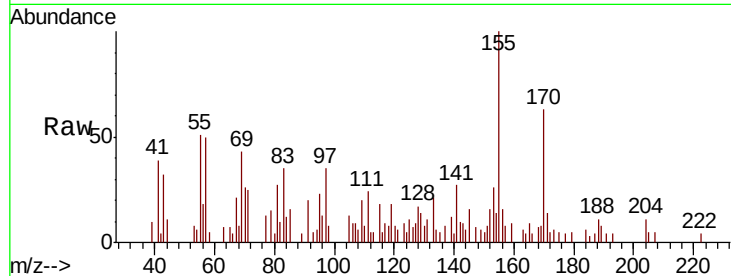




#54
 2,4-Dinitrophenol
 Concen: 6.518 ng
 RT: 15.09 min Scan# 2042
 Delta R.T. 0.31 min
 Lab File: BG042542.D
 Acq: 28 Aug 2019 21:14

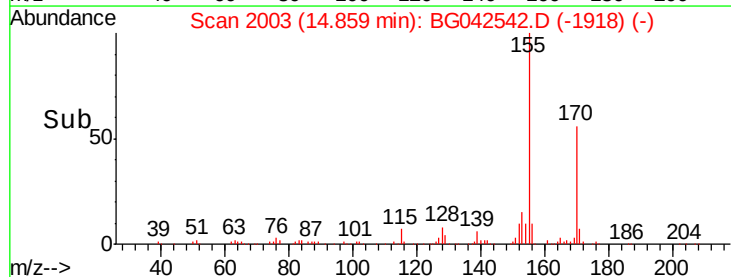
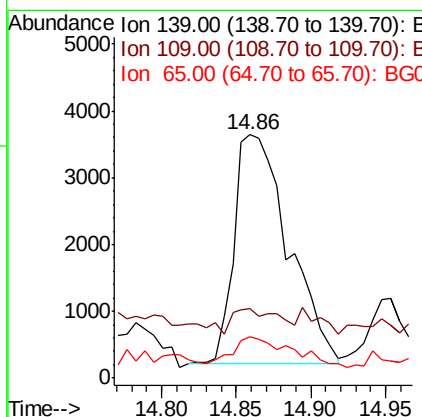
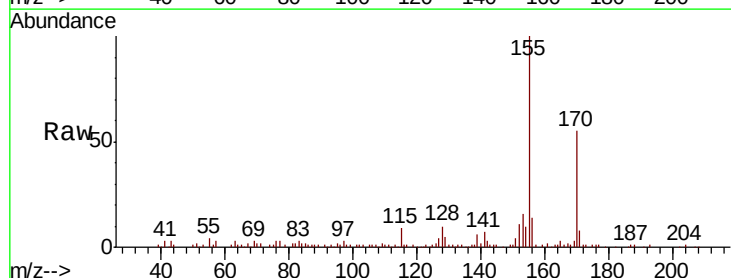
Instrument :
 BNA_G
 ClientSampled :

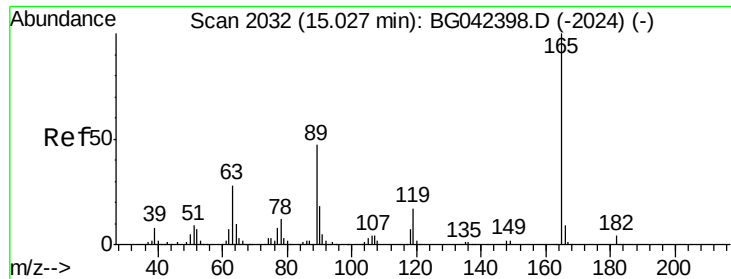
Tot Ion:184 Resp: 308
 Ion Ratio Lower Upper
 184 100
 63 109.0 31.7 47.5#
 154 215.3 42.0 63.0#



#56
 4-Nitrophenol
 Concen: 7.444 ng
 RT: 14.86 min Scan# 2003
 Delta R.T. -0.03 min
 Lab File: BG042542.D
 Acq: 28 Aug 2019 21:14

Tgt Ion:139 Resp: 8682
 Ion Ratio Lower Upper
 139 100
 109 28.5 43.9 83.9#
 65 17.0 56.3 96.3#

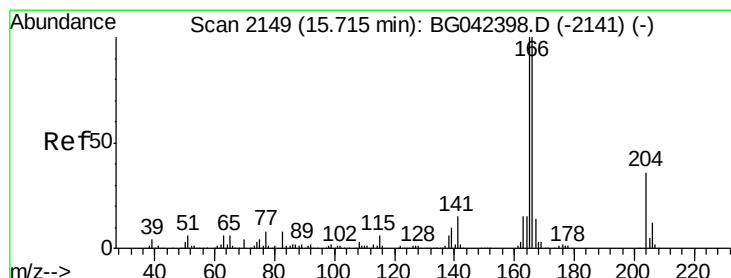
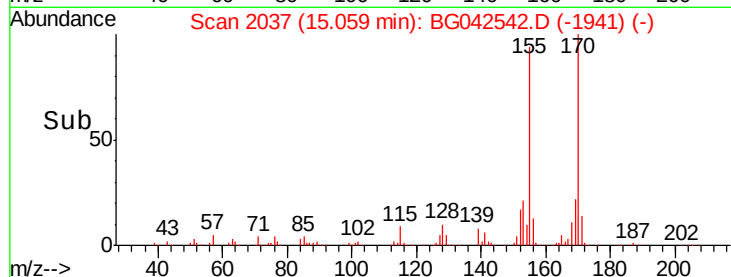
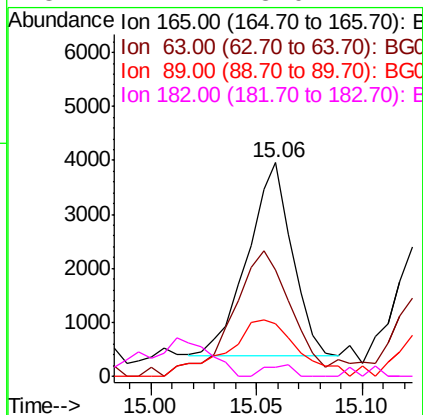
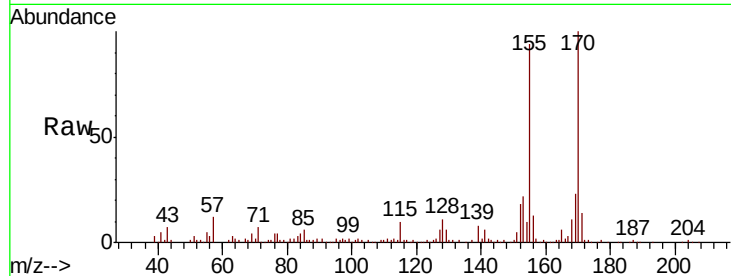




#57
 2,4-Dinitrotoluene
 Concen: 2.216 ng
 RT: 15.06 min Scan# 2037
 Delta R.T. 0.03 min
 Lab File: BG042542.D
 Acq: 28 Aug 2019 21:14

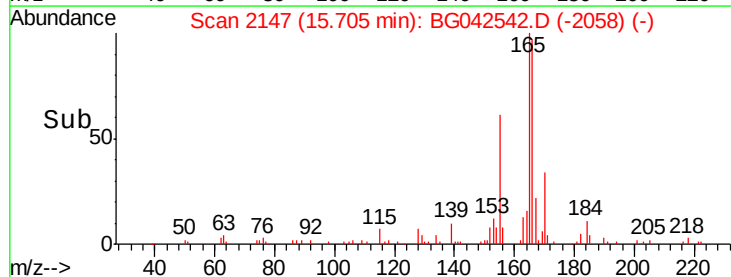
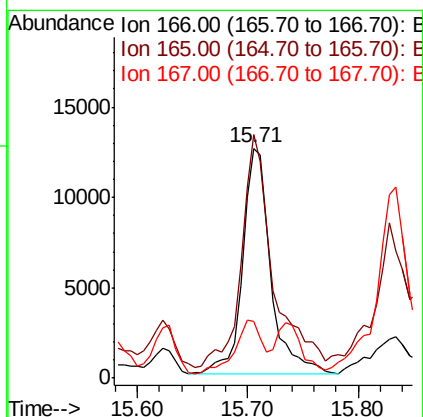
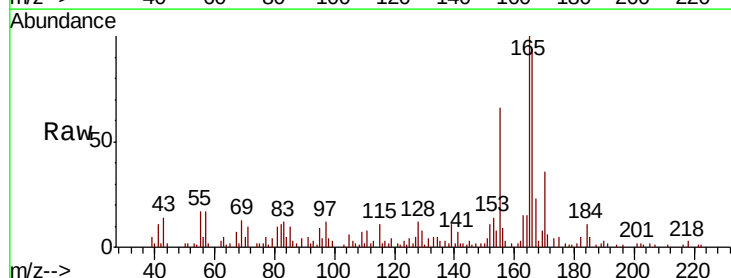
Instrument :
 BNA_G
 ClientSampleId :

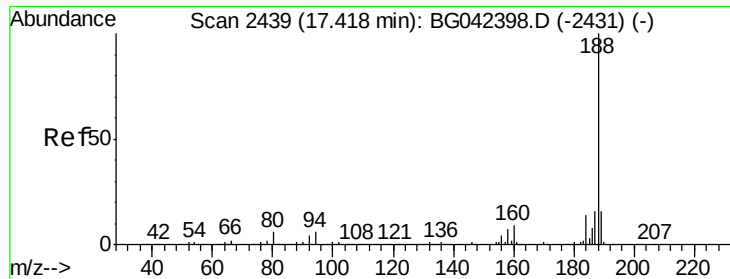
Tot Ion	Ratio	Lower	Upper
165	100		
63	49.7	22.5	33.7#
89	24.7	37.8	56.6#
182	4.4	3.0	4.4



#58
 Fluorene
 Concen: 3.311 ng
 RT: 15.71 min Scan# 2147
 Delta R.T. -0.01 min
 Lab File: BG042542.D
 Acq: 28 Aug 2019 21:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.7	119.5
167	24.7	10.9	16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

Instrument :

BNA_G

ClientSampleId :

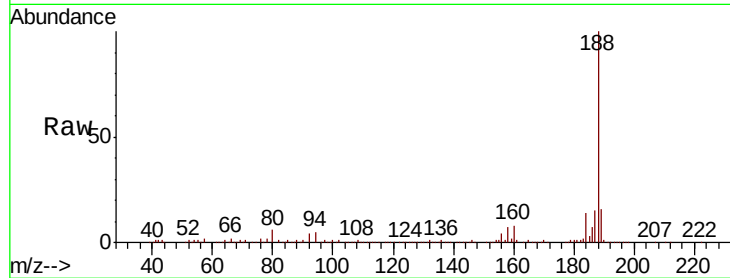
Tot Ion:188 Resp: 237967

Ion Ratio Lower Upper

188 100

94 5.3 4.5 6.7

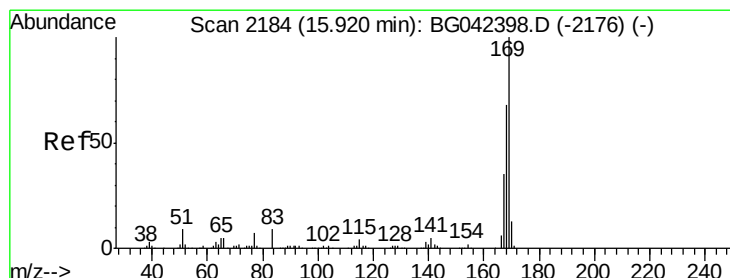
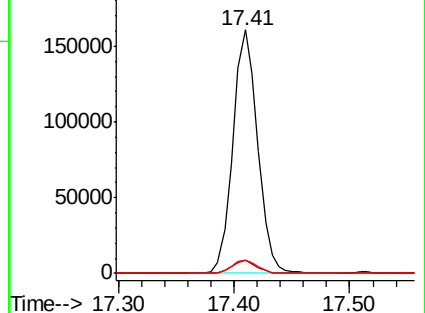
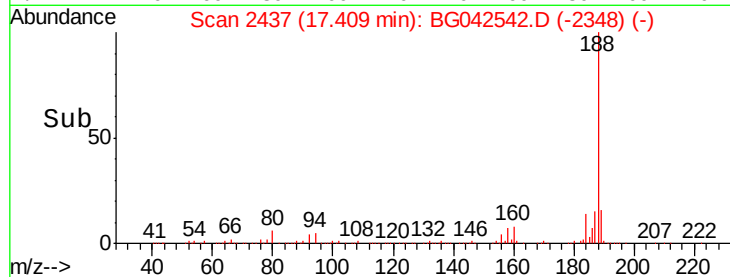
80 5.6 4.9 7.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

n-Nitrosodiphenylamine

Concen: 4.648 ng

RT: 15.92 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

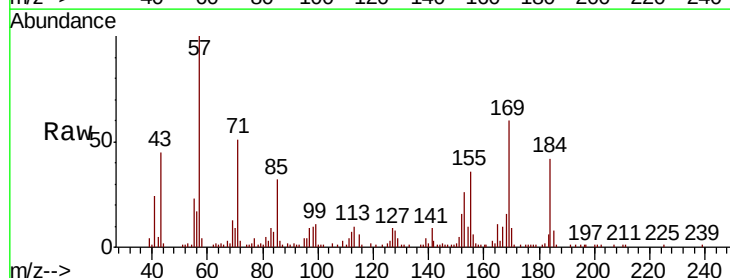
Tgt Ion:169 Resp: 30420

Ion Ratio Lower Upper

169 100

168 26.4 54.3 81.5#

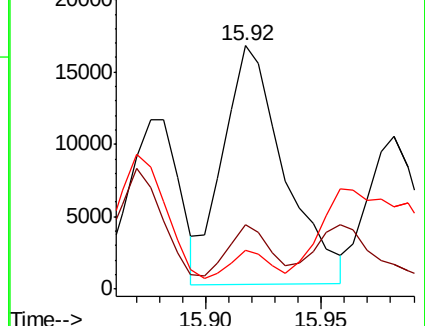
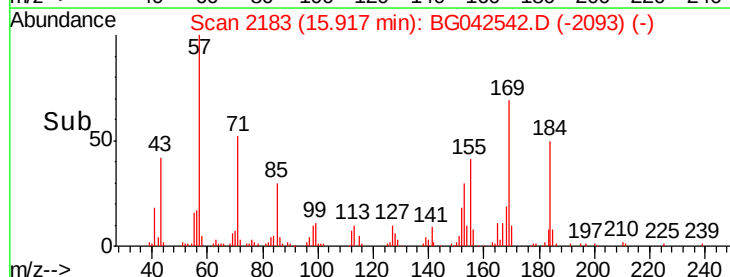
167 16.2 28.2 42.2#

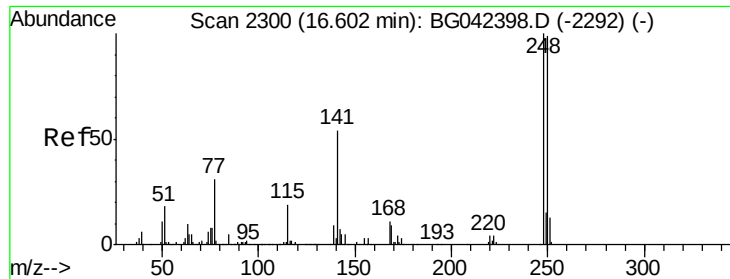


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

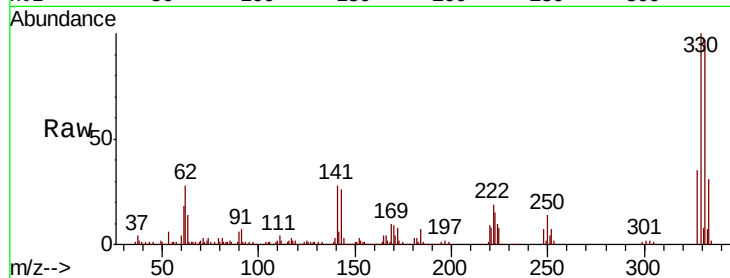




#67
 4-Bromophenyl-phenylether
 Concen: 4.692 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042542.D
 Acq: 28 Aug 2019 21:14

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.9	78.9	118.3#
141	390.5	43.3	64.9#

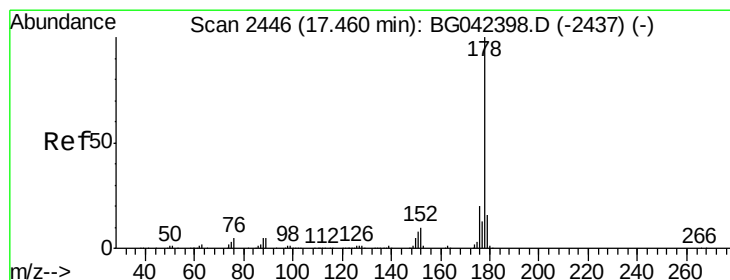
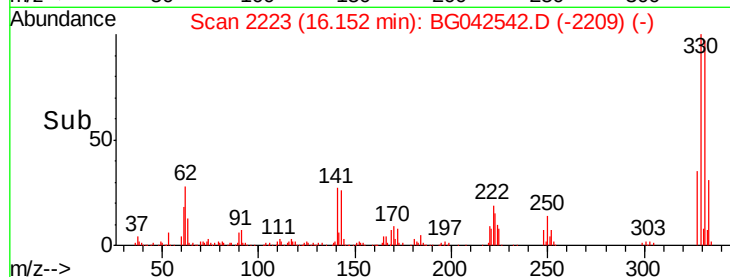
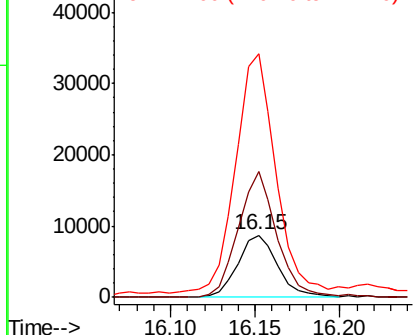


Abundance

Ion 248.00 (247.70 to 248.70): E

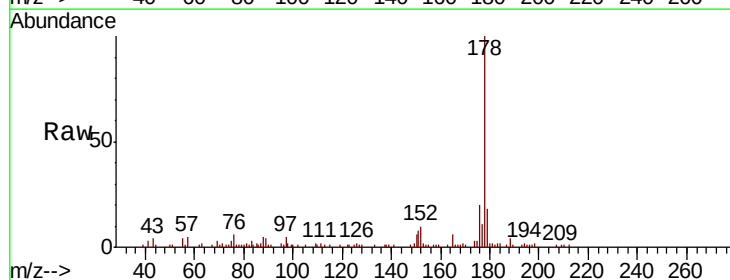
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 3.971 ng
 RT: 17.45 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BG042542.D
 Acq: 28 Aug 2019 21:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	18.3	12.7	19.1

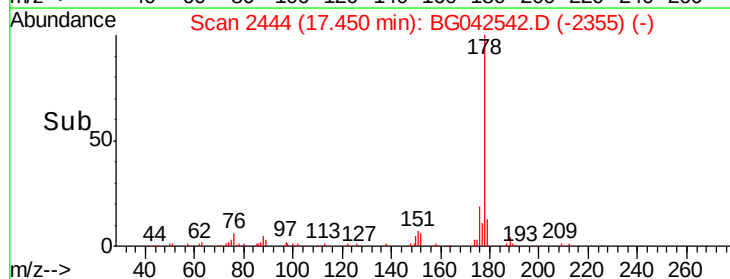
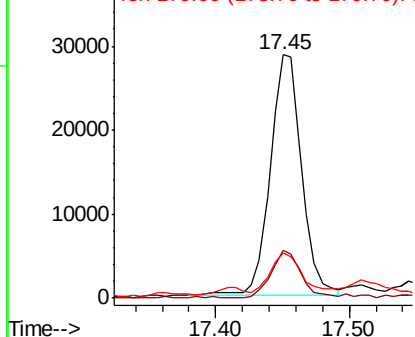


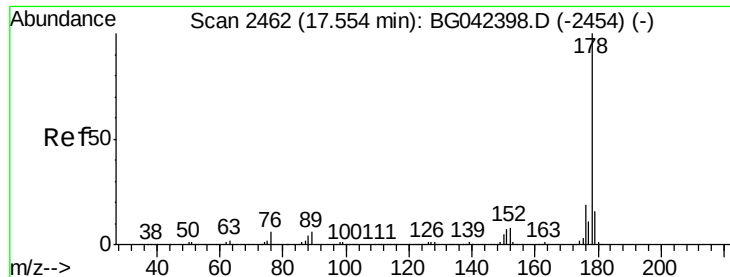
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.978 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.10 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

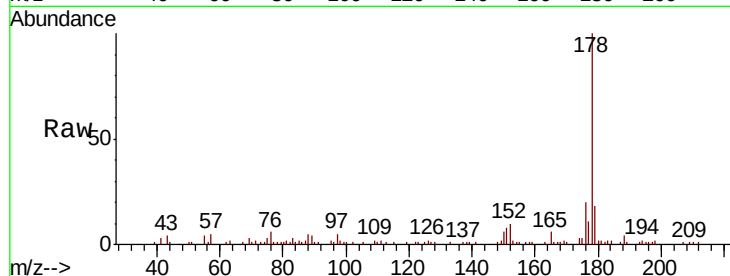
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 46939

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	18.3	12.9	19.3

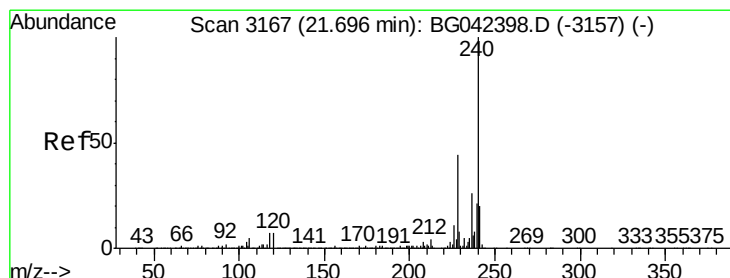
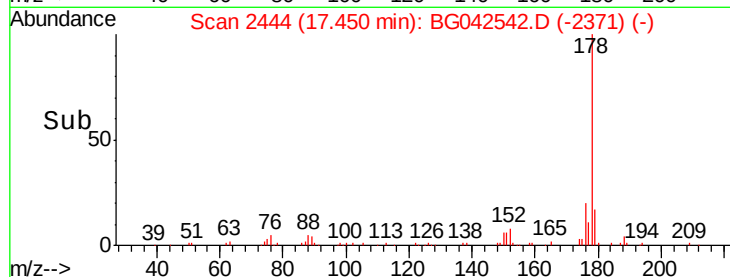
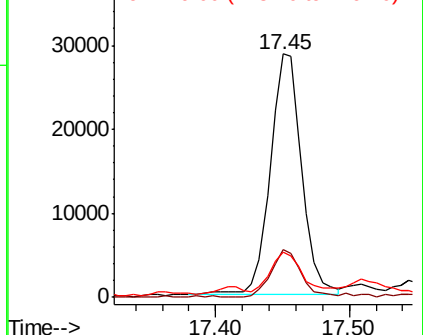


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3165

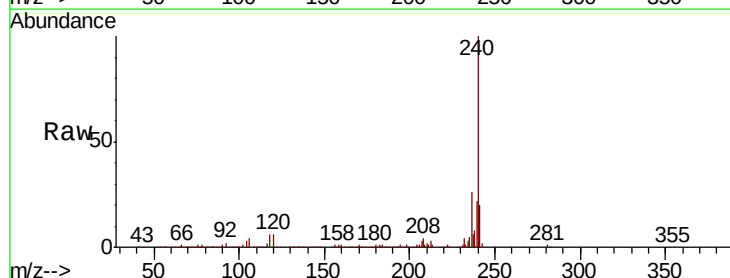
Delta R.T. -0.01 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

Tgt Ion:240 Resp: 298080

Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.7	8.5
236	26.1	21.0	31.4

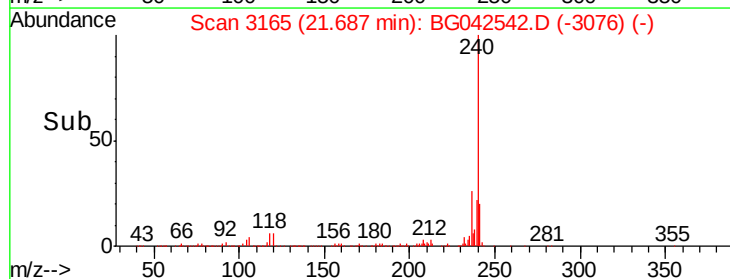
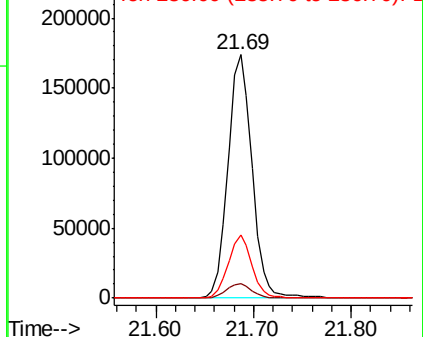


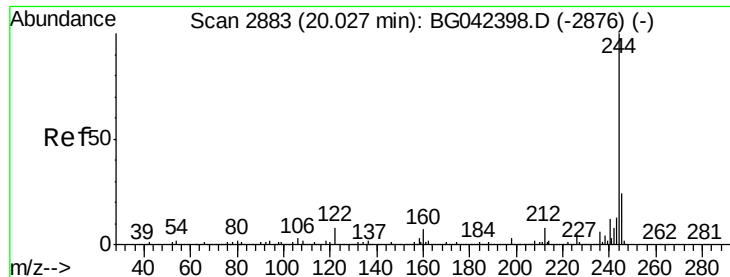
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 83.838 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

Instrument :

BNA_G

ClientSampleId :

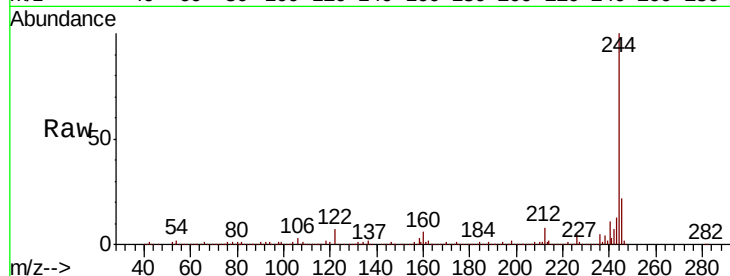
Tot Ion:244 Resp: 1155942

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

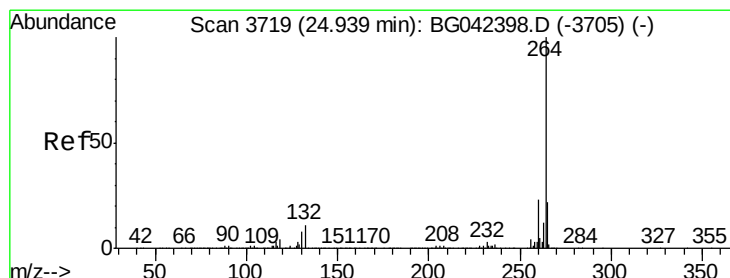
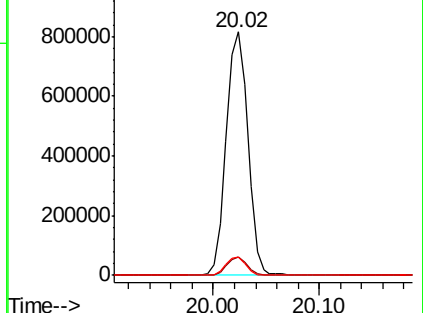
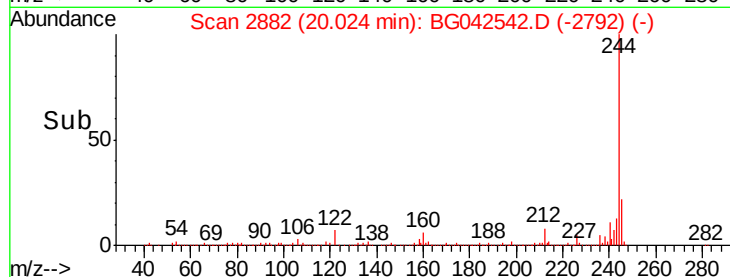
122 7.3 6.7 10.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042542.D

Acq: 28 Aug 2019 21:14

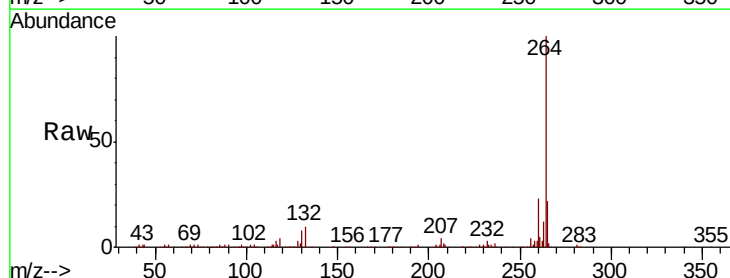
Tgt Ion:264 Resp: 356320

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 22.0 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

