

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
 Data File : BG038032.D
 Acq On : 16 Nov 2018 14:06
 Operator : JU/SJ
 Sample : J5965-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 15:08:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	46677	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	202293	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	131117	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	287586	20.00	ng	0.00
76) Chrysene-d12	21.75	240	280152	20.00	ng	0.00
87) Perylene-d12	25.07	264	293407	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	145155	53.69	ng	0.00
7) Phenol-d6	7.23	99	130260	33.75	ng	0.00
23) Nitrobenzene-d5	9.26	82	286514	75.82	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	163819	109.55	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	673940	74.88	ng	0.00
79) Terphenyl-d14	20.07	244	936292	78.64	ng	0.00

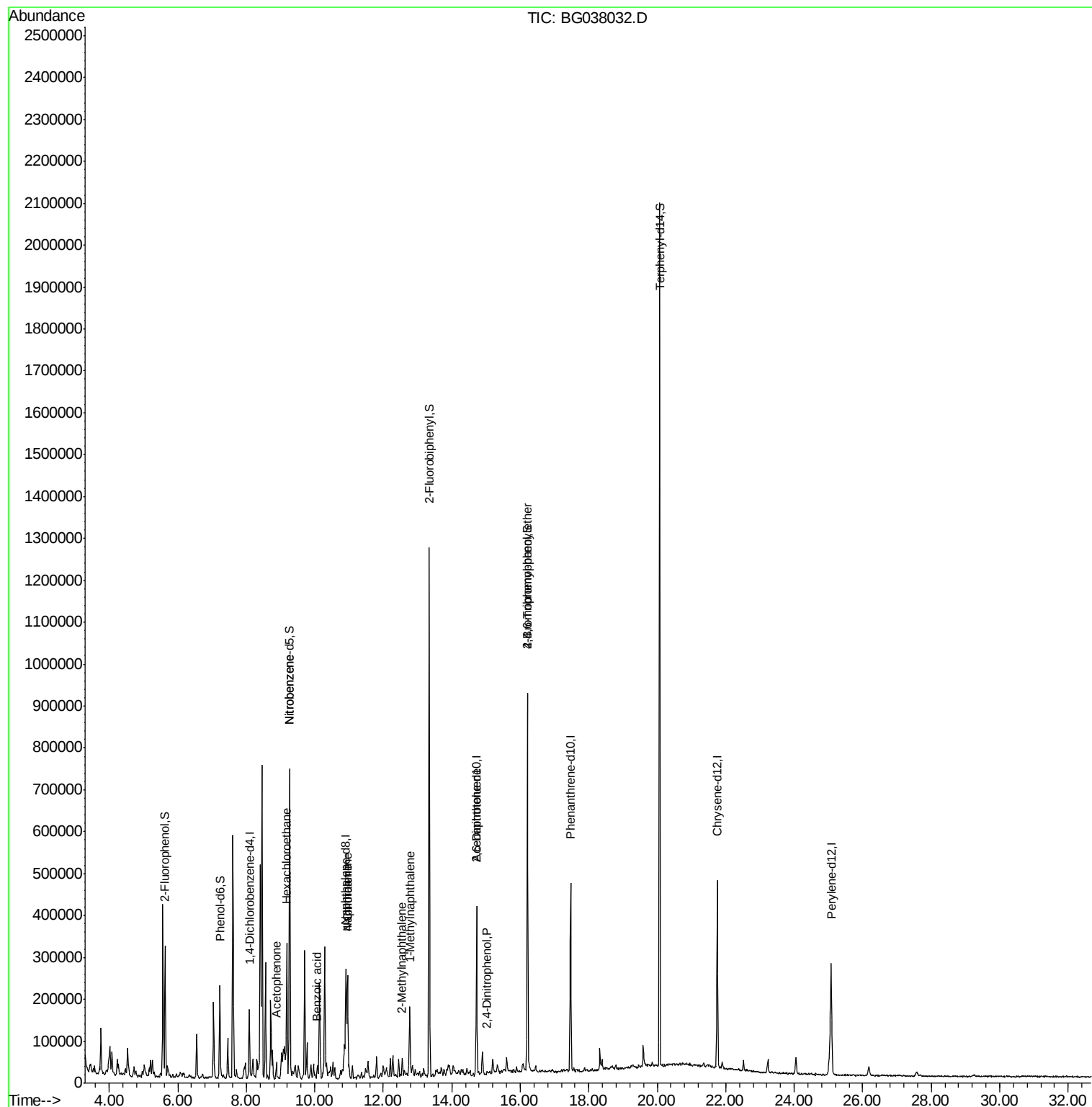
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.19	117	58595	44.104	ng	# 1
22) Acetophenone	8.88	105	31155	6.190	ng	# 53
24) Nitrobenzene	9.27	77	12490	3.231	ng	# 1
31) Naphthalene	10.96	128	176065	17.695	ng	97
32) Benzoic acid	10.07	122	826	12.661	ng	93
33) 4-Chloroaniline	10.96	127	25313	5.469	ng	# 38
37) 2-Methylnaphthalene	12.55	142	21259	2.975	ng	98
38) 1-Methylnaphthalene	12.77	142	69318	10.076	ng	99
51) 2,6-Dinitrotoluene	14.72	165	17367	7.382	ng	# 31
54) 2,4-Dinitrophenol	15.02	184	53	9.321	ng	# 13
67) 4-Bromophenyl-phenylether	16.21	248	11830	3.748	ng	# 1

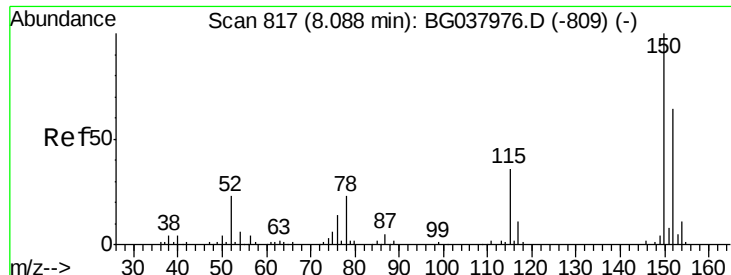
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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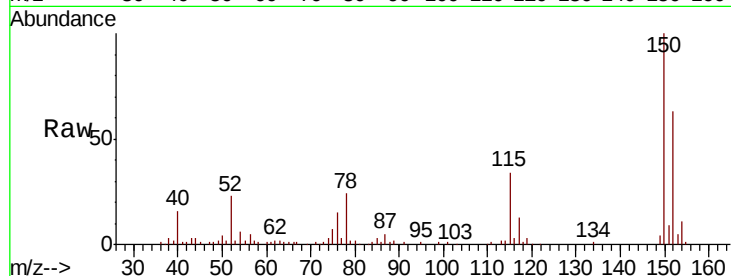


#1

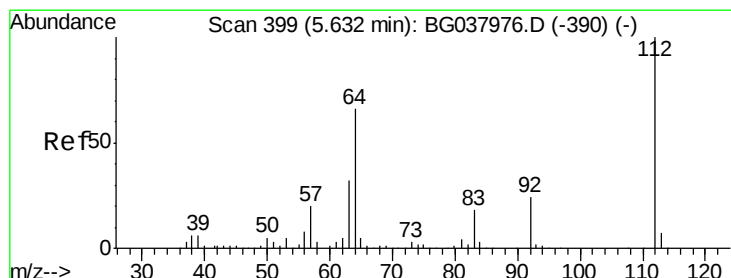
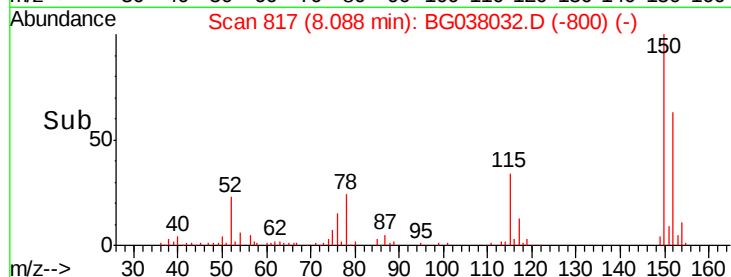
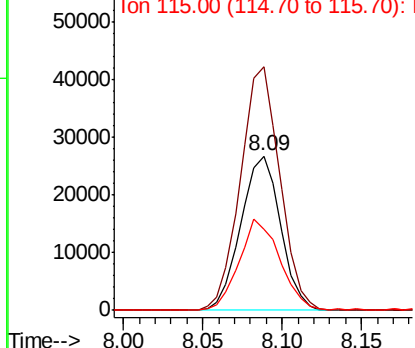
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.00 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46677
Ion Ratio Lower Upper
152 100
150 157.7 126.0 189.0
115 52.9 45.5 68.3



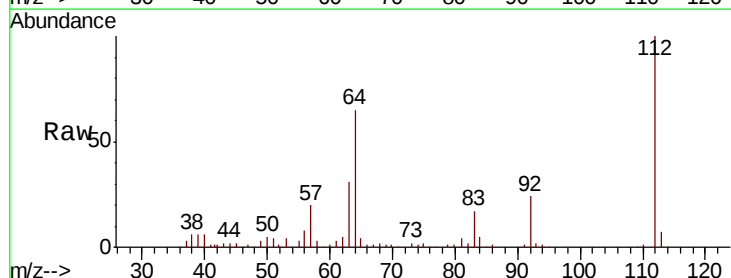
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



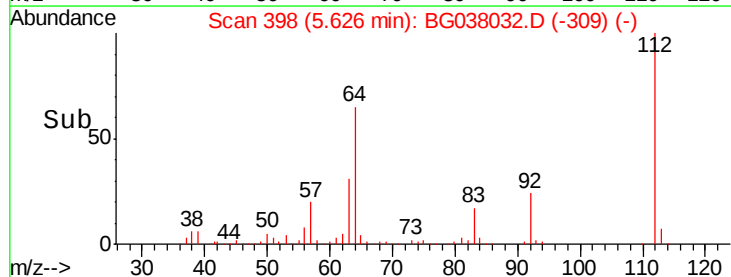
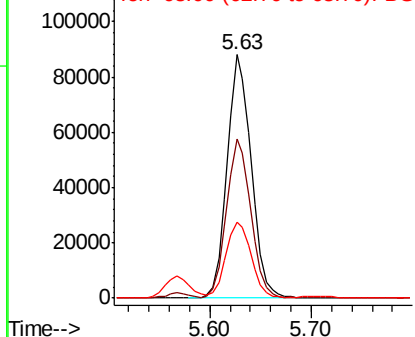
#5

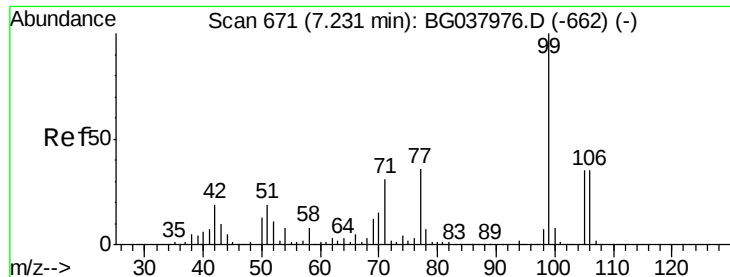
2-Fluorophenol
Concen: 53.692 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

Tgt Ion:112 Resp: 145155
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 31.3 27.3 40.9



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





#7

Phenol-d6

Concen: 33.755 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

Instrument :

BNA_F

ClientSampleId :

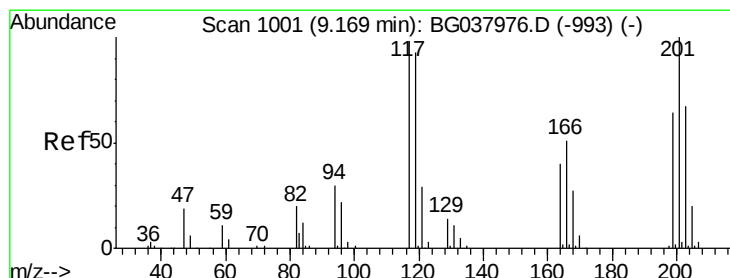
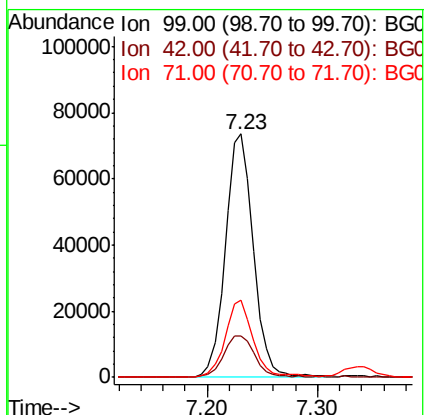
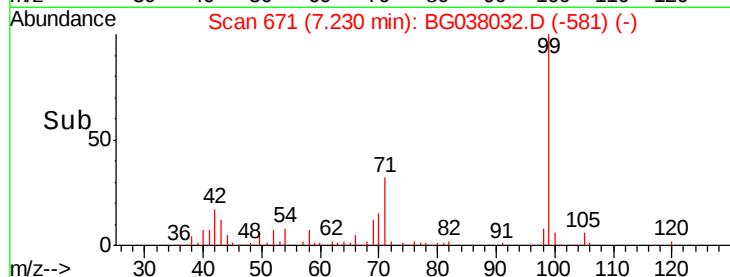
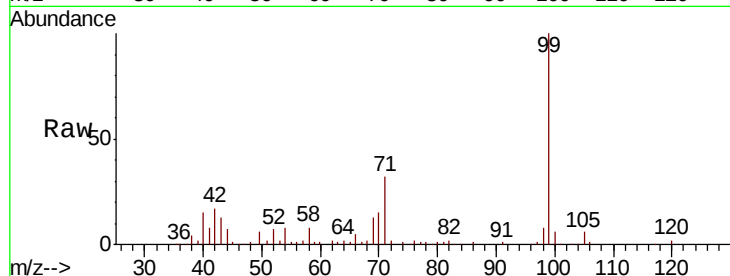
Tot Ion: 99 Resp: 130260

Ion Ratio Lower Upper

99 100

42 17.1 15.0 22.4

71 31.8 25.5 38.3



#18

Hexachloroethane

Concen: 44.104 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.02 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

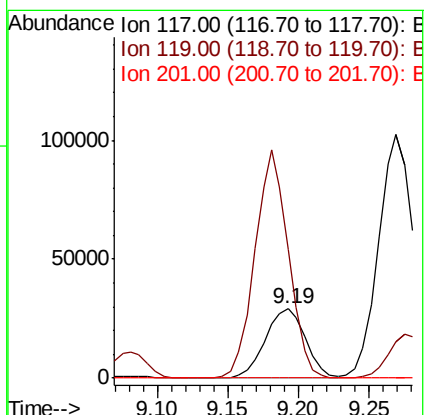
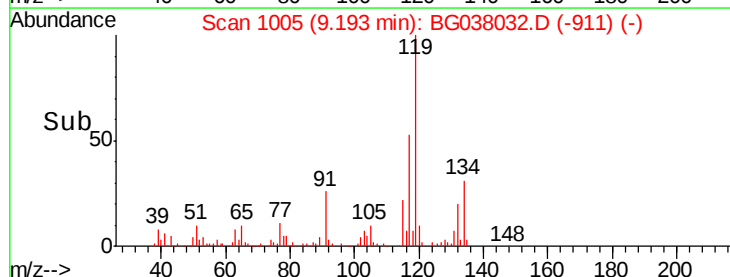
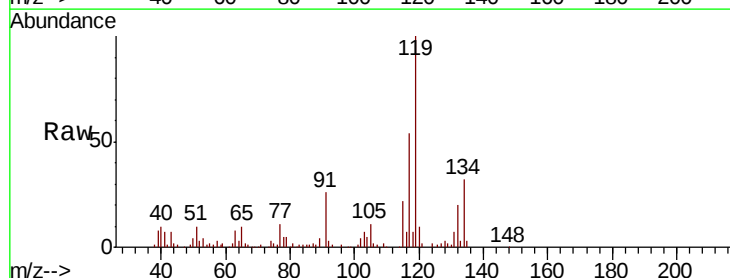
Tgt Ion: 117 Resp: 58595

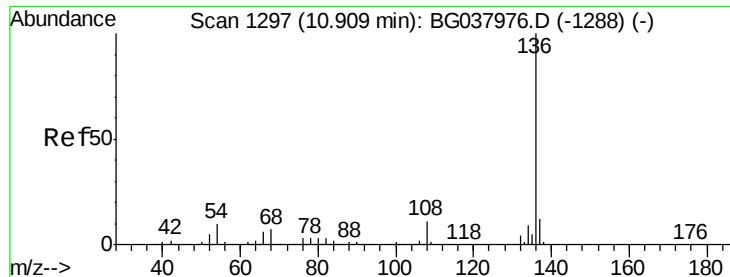
Ion Ratio Lower Upper

117 100

119 185.9 74.6 111.8#

201 0.0 80.8 121.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 202293

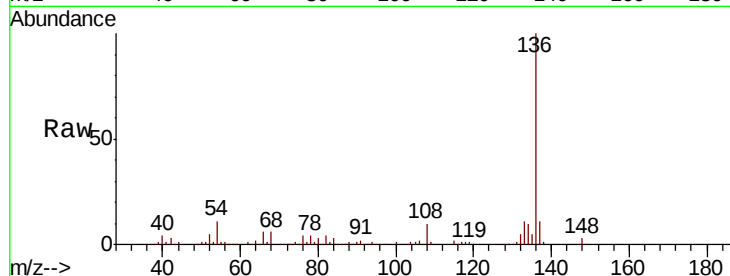
Ion Ratio Lower Upper

136 100

137 10.8 9.6 14.4

54 11.5 7.9 11.9

68 6.4 4.8 7.2

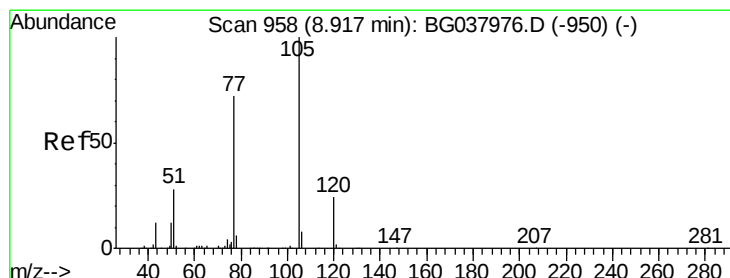
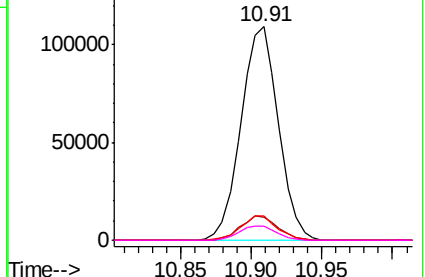
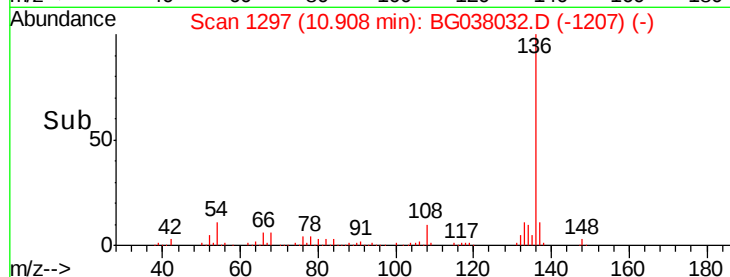


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 6.190 ng

RT: 8.88 min Scan# 952

Delta R.T. -0.04 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

Tgt Ion:105 Resp: 31155

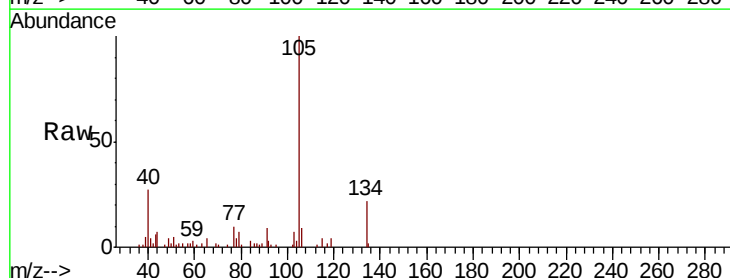
Ion Ratio Lower Upper

105 100

71 0.0 1.2 1.8#

51 4.7 25.0 37.6#

120 0.0 18.6 28.0#

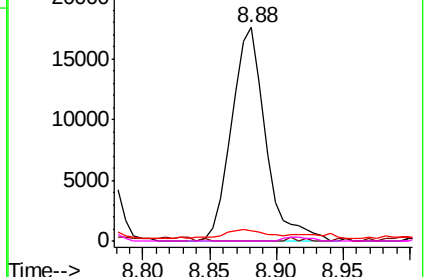
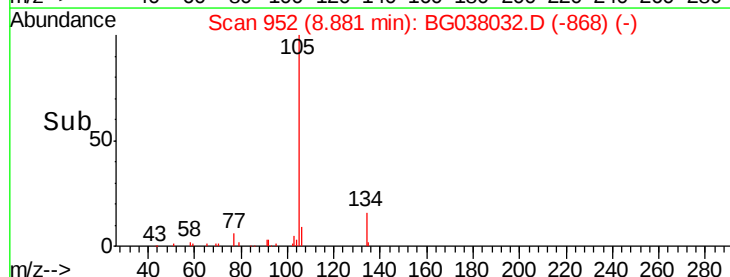


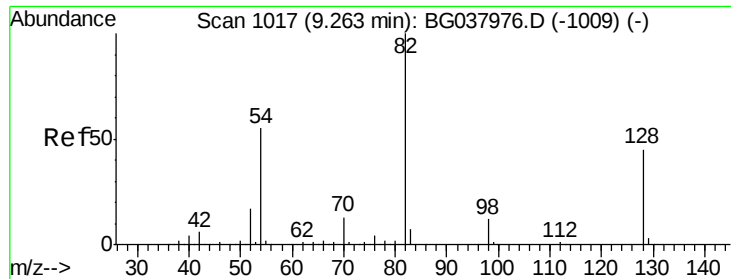
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

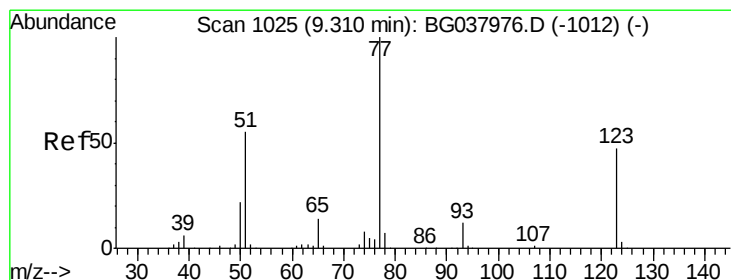
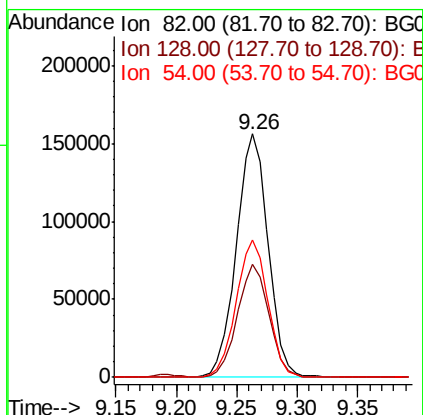
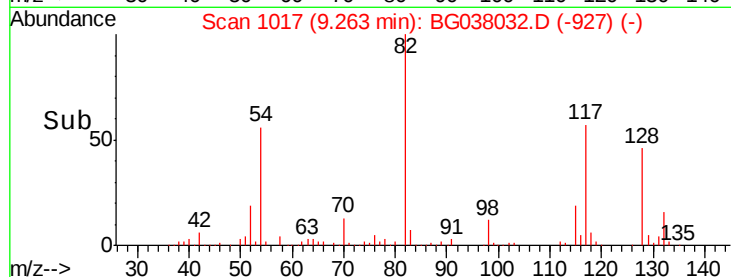
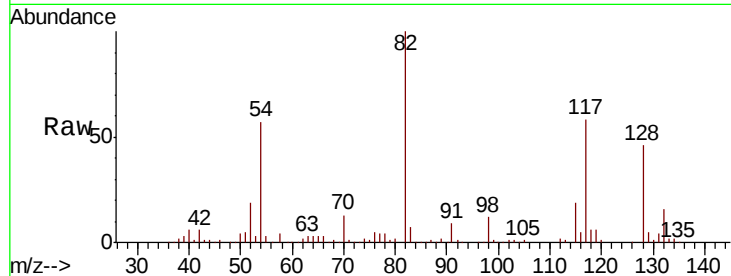




#23
Nitrobenzene-d5
Concen: 75.817 ng
RT: 9.26 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

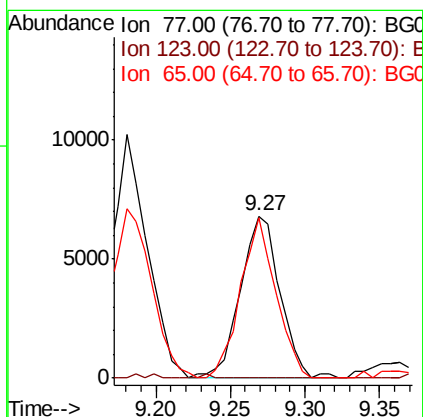
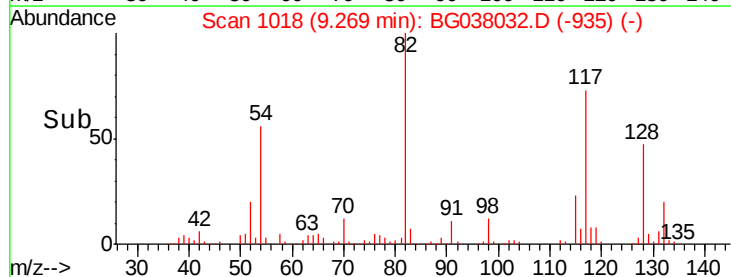
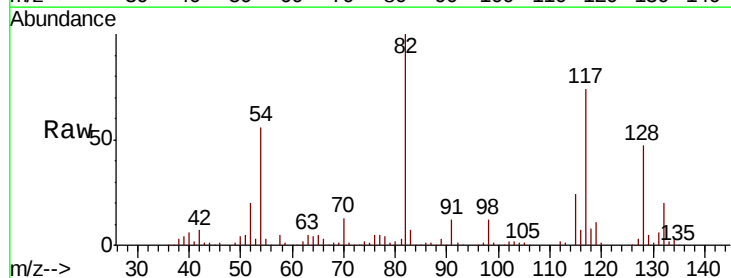
Instrument :
BNA_F
ClientSampleId :

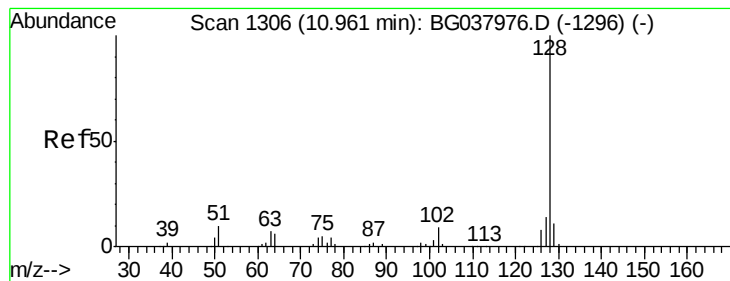
Tot Ion	82	Resp	286514
Ion Ratio	Lower	Upper	
82	100		
128	46.3	34.6	51.8
54	56.5	45.3	67.9



#24
Nitrobenzene
Concen: 3.231 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.04 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

Tgt Ion	77	Resp	12490
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.6	50.4#
65	99.2	11.3	16.9#





#31

Naphthalene

Concen: 17.695 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

Instrument :

BNA_F

ClientSampleId :

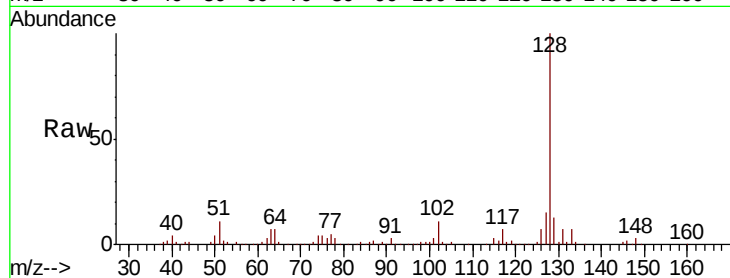
Tot Ion:128 Resp: 176065

Ion Ratio Lower Upper

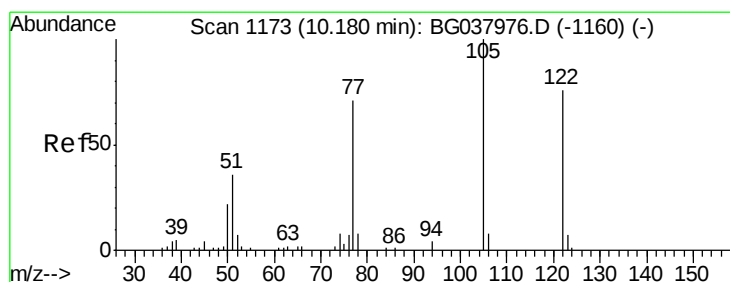
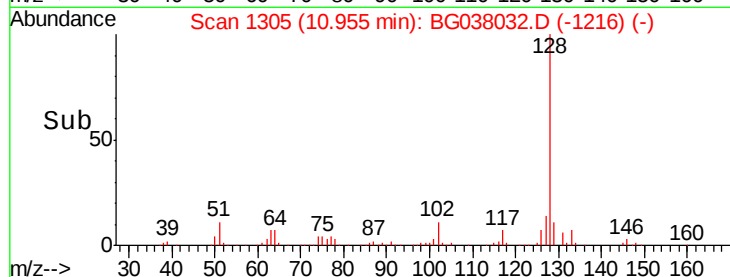
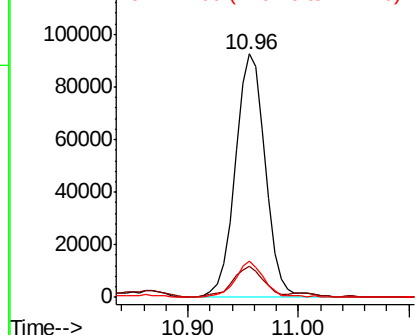
128 100

129 12.6 9.0 13.6

127 14.7 11.1 16.7



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



#32

Benzoic acid

Concen: 12.661 ng

RT: 10.07 min Scan# 1154

Delta R.T. -0.11 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

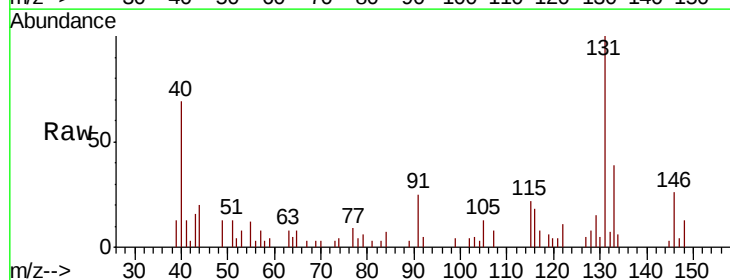
Tgt Ion:122 Resp: 826

Ion Ratio Lower Upper

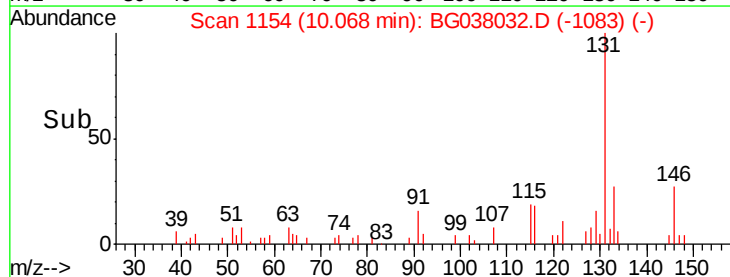
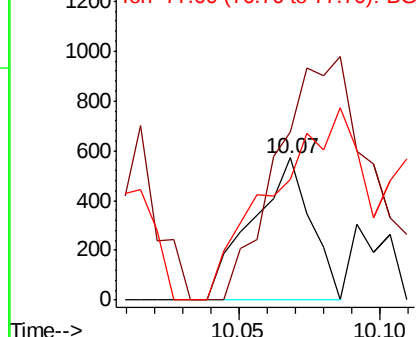
122 100

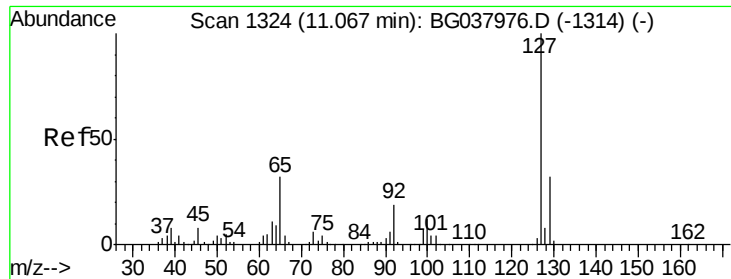
105 118.6 106.7 146.7

77 85.3 72.2 112.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

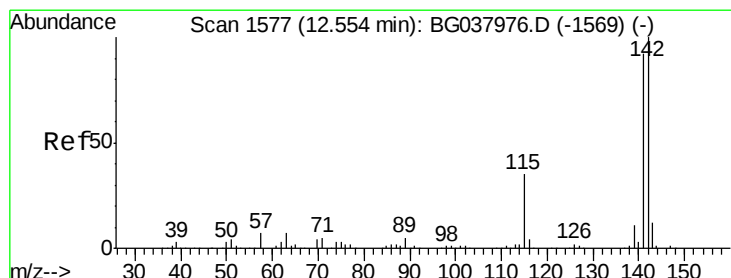
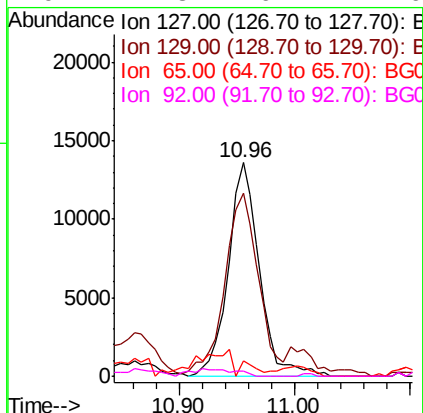
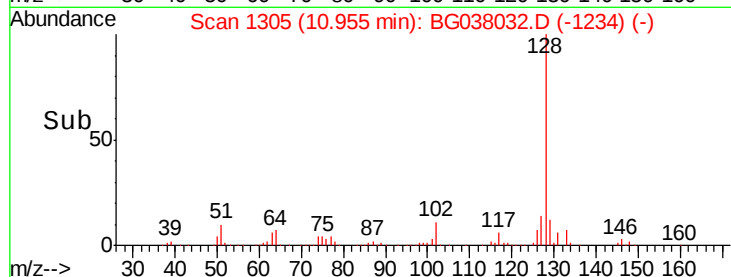
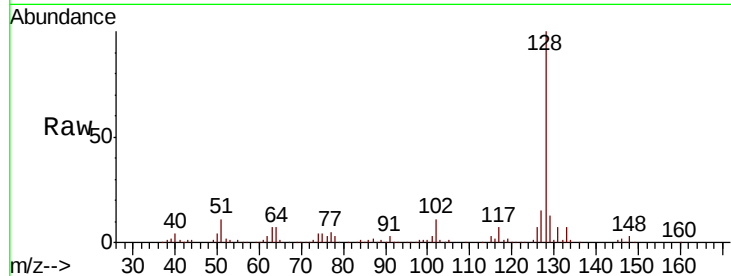




#33
4-Chloroaniline
Concen: 5.469 ng
RT: 10.96 min Scan# 1305
Delta R.T. -0.11 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

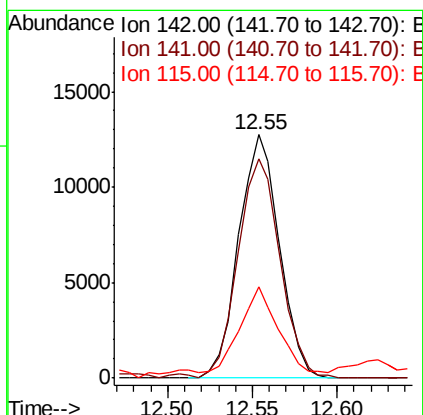
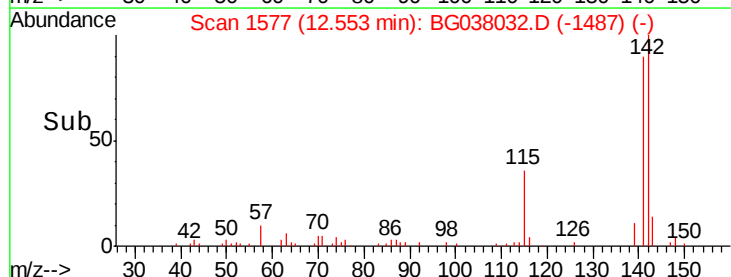
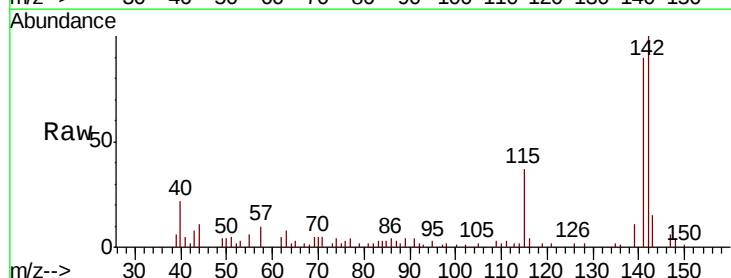
Instrument :
BNA_F
ClientSampleId :

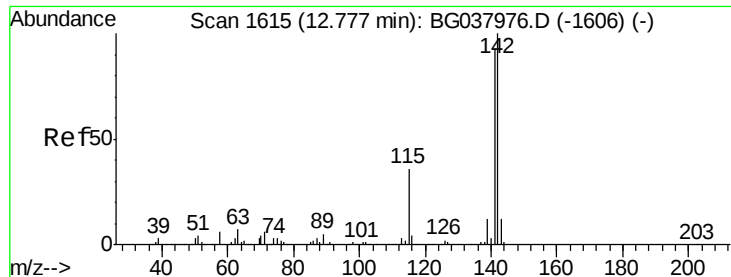
Tot Ion:127 Resp: 25313
Ion Ratio Lower Upper
127 100
129 86.0 27.1 40.7#
65 7.1 26.6 39.8#
92 2.3 16.4 24.6#



#37
2-Methylnaphthalene
Concen: 2.975 ng
RT: 12.55 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

Tgt Ion:142 Resp: 21259
Ion Ratio Lower Upper
142 100
141 90.3 71.9 107.9
115 37.3 27.8 41.8

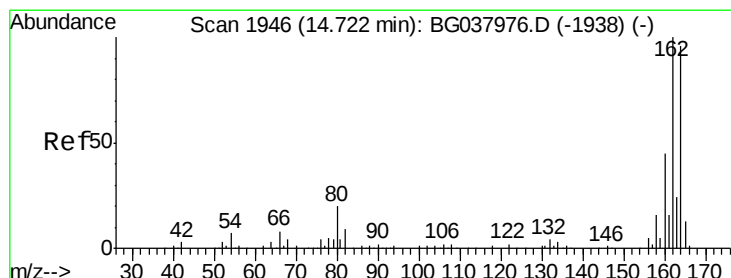
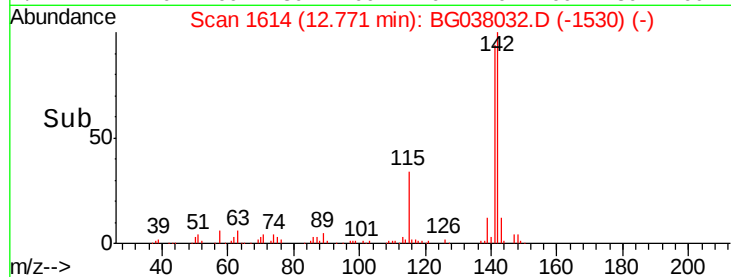
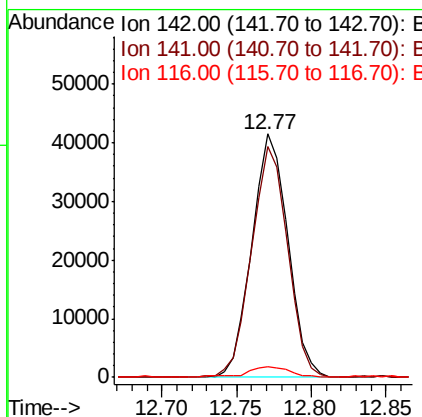
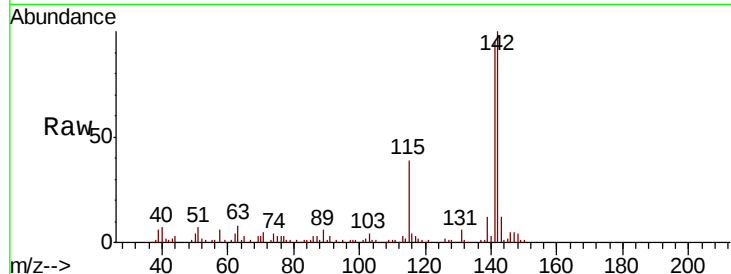




#38
1-Methylnaphthalene
Concen: 10.076 ng
RT: 12.77 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

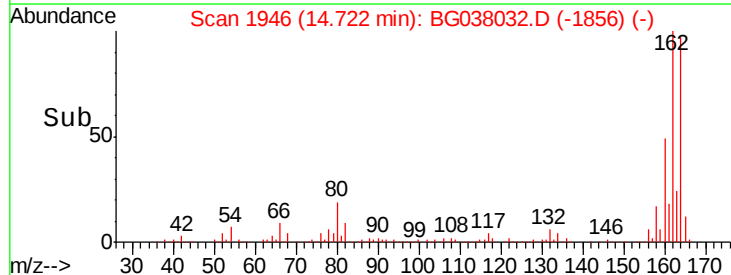
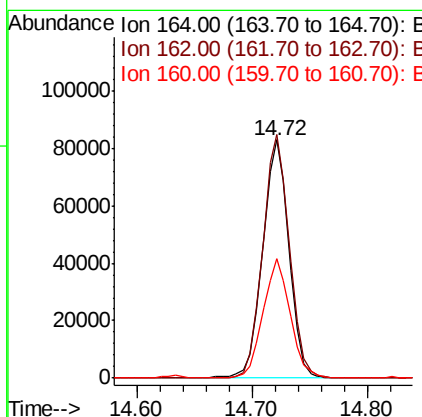
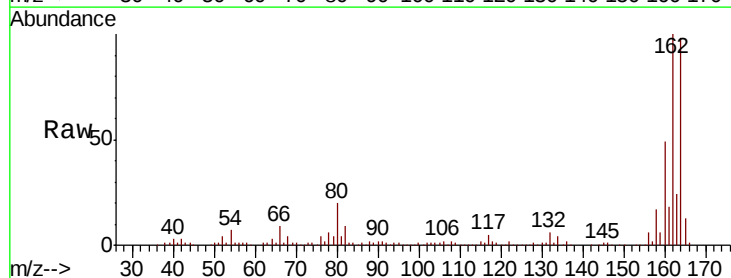
Instrument :
BNA_F
ClientSampleId :

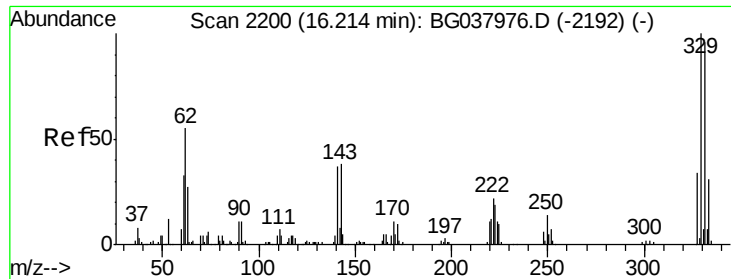
Tot Ion:142 Resp: 69318
Ion Ratio Lower Upper
142 100
141 94.7 75.2 112.8
116 4.3 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

Tgt Ion:164 Resp: 131117
Ion Ratio Lower Upper
164 100
162 102.3 81.3 121.9
160 50.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 109.552 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

Instrument :

BNA_F

ClientSampleId :

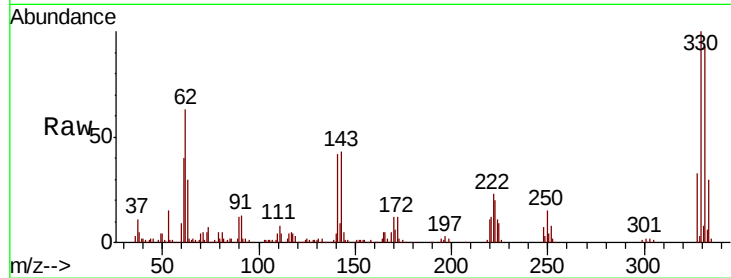
Tot Ion:330 Resp: 163819

Ion Ratio Lower Upper

330 100

332 94.2 78.4 117.6

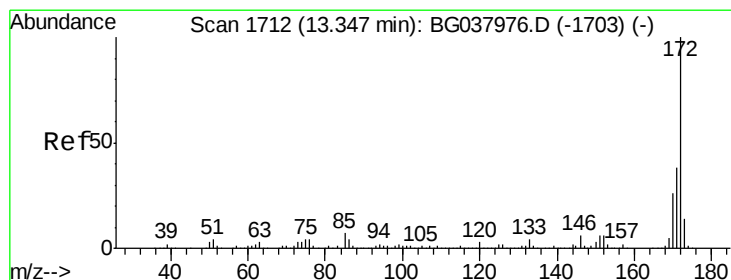
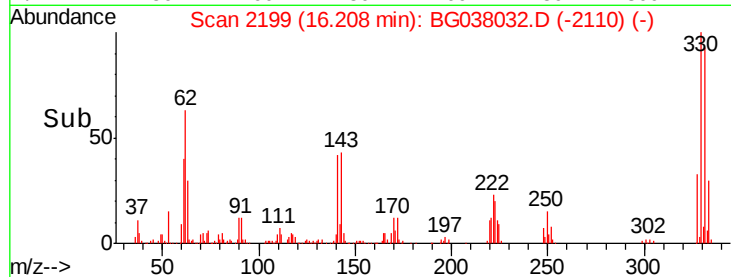
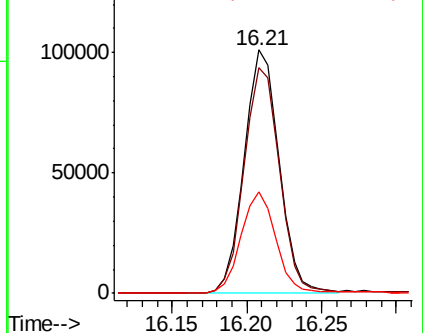
141 42.4 32.2 48.2



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: 74.882 ng

RT: 13.34 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

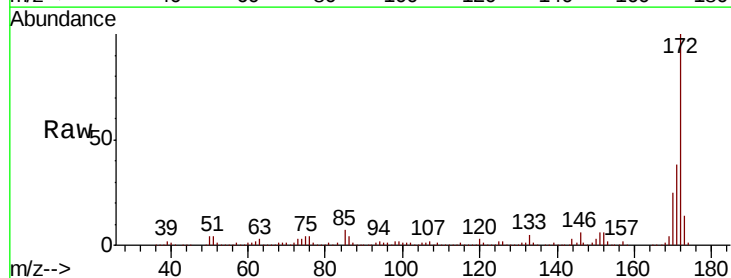
Tgt Ion:172 Resp: 673940

Ion Ratio Lower Upper

172 100

171 38.1 31.0 46.4

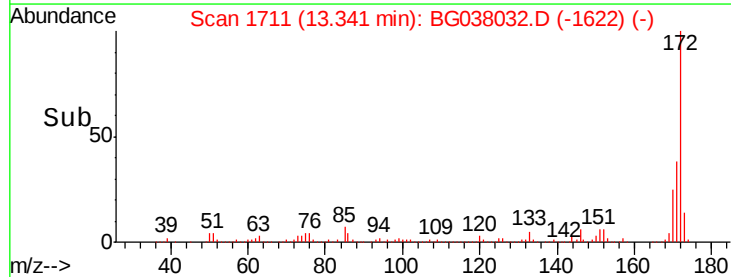
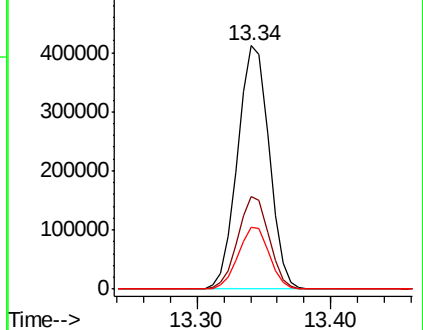
170 25.2 20.2 30.2

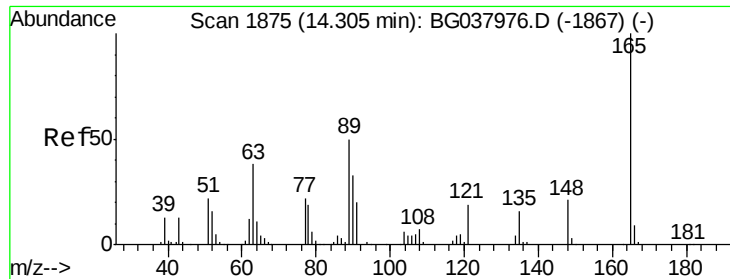


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

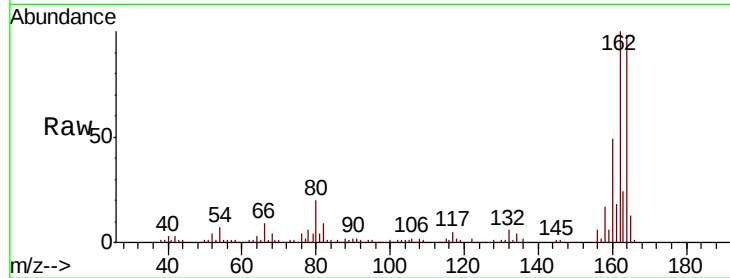




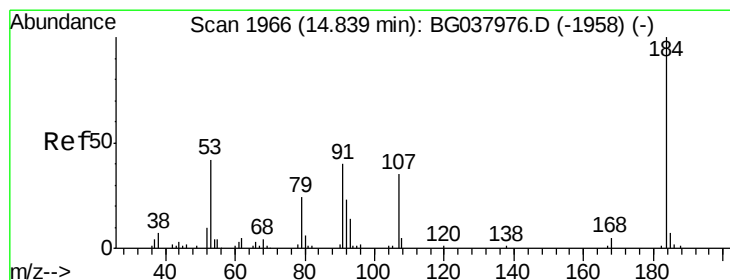
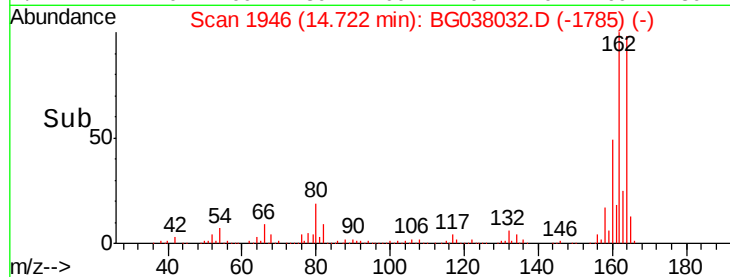
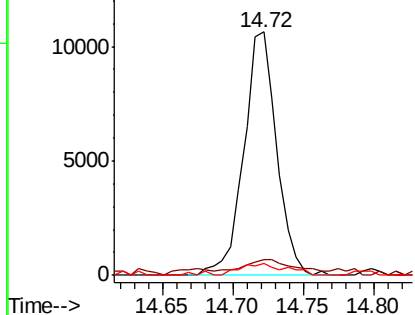
#51
 2,6-Dinitrotoluene
 Concen: 7.382 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG038032.D
 Acq: 16 Nov 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	6.6	43.4	65.2#
89	4.6	45.8	68.6#

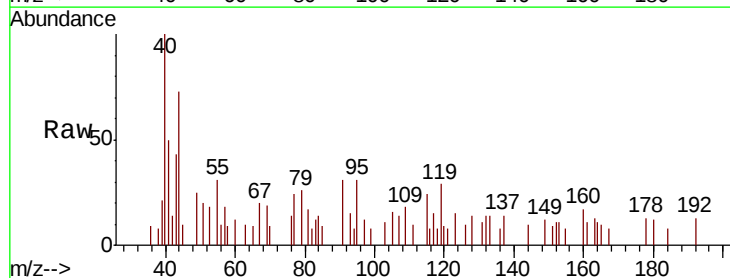


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

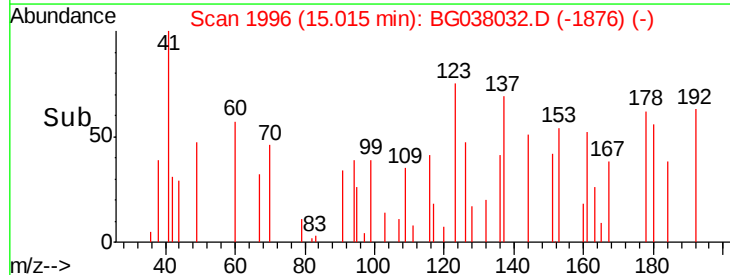
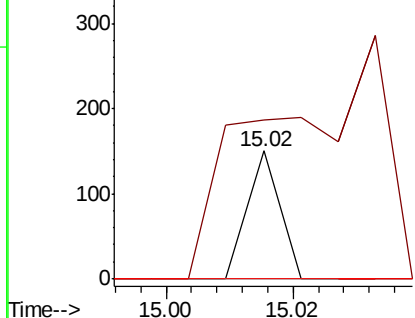


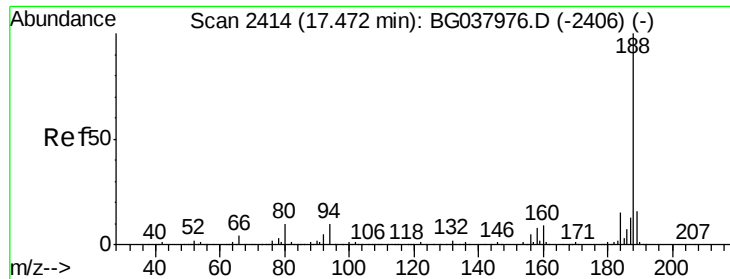
#54
 2,4-Dinitrophenol
 Concen: 9.321 ng
 RT: 15.02 min Scan# 1996
 Delta R.T. 0.18 min
 Lab File: BG038032.D
 Acq: 16 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
184	100		
63	124.7	42.6	63.8#
154	0.0	41.8	62.6#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

Instrument :

BNA_F

ClientSampled :

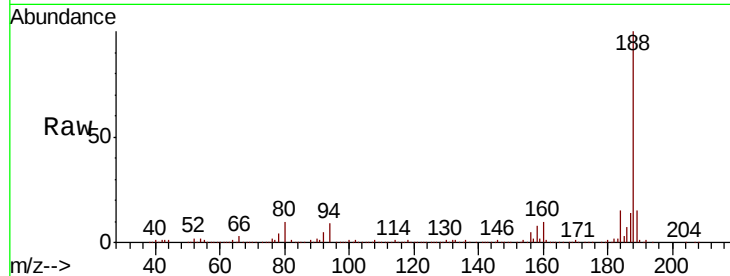
Tot Ion:188 Resp: 287586

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

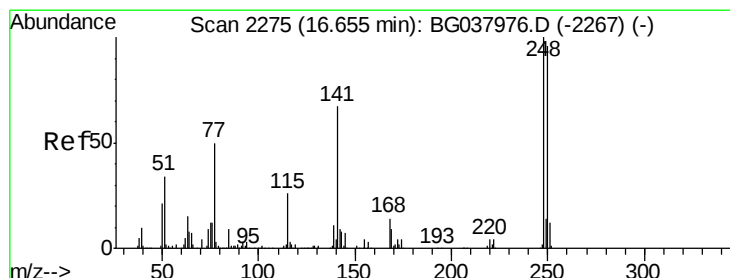
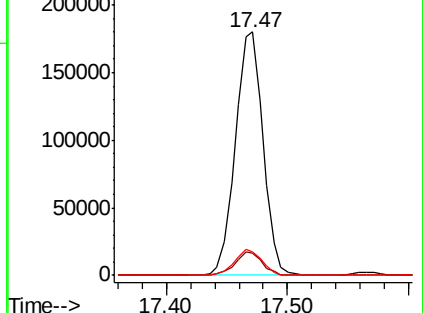
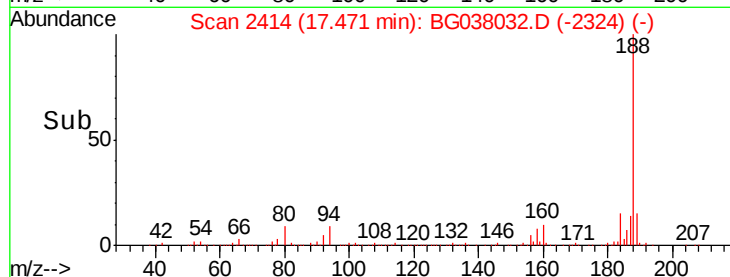
80 9.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.748 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG038032.D

Acq: 16 Nov 2018 14:06

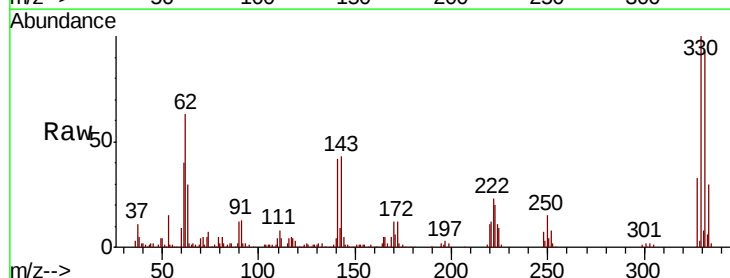
Tgt Ion:248 Resp: 11830

Ion Ratio Lower Upper

248 100

250 194.3 77.0 115.6#

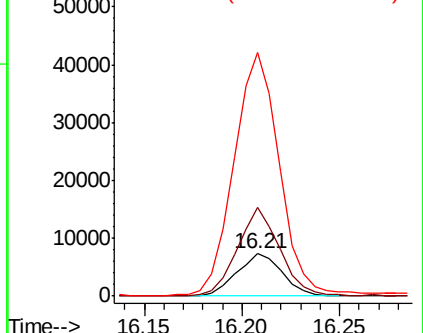
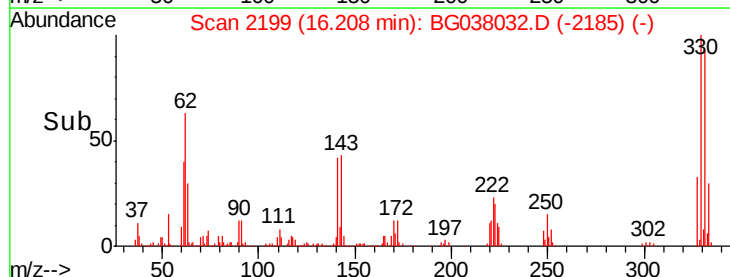
141 417.0 55.5 83.3#

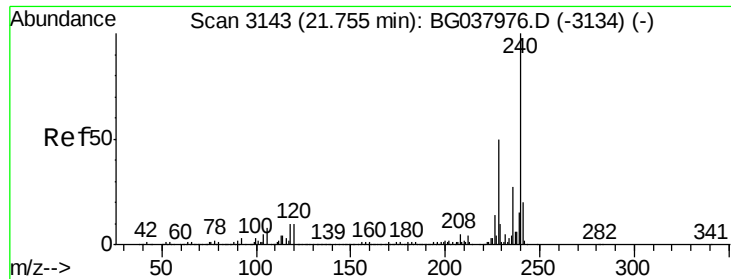


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

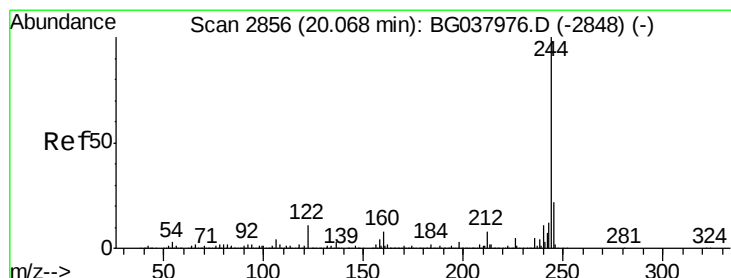
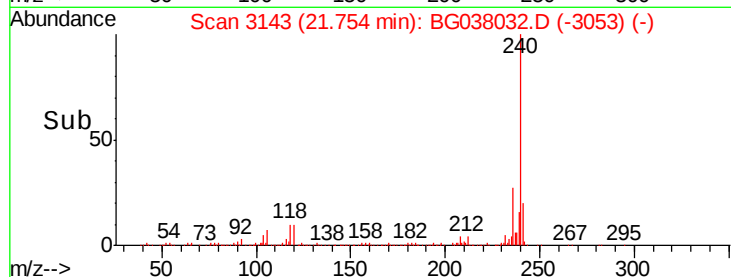
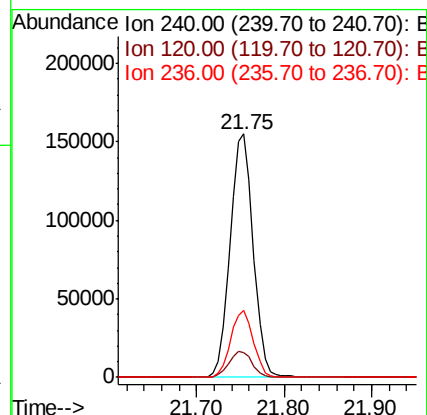
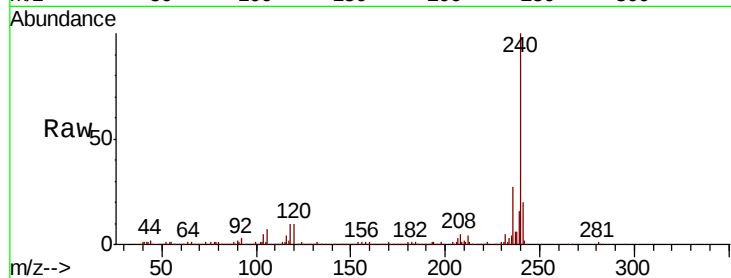




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

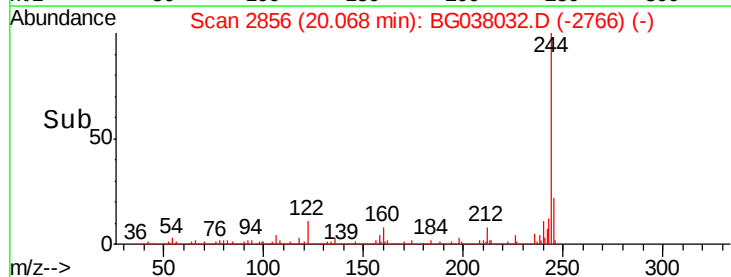
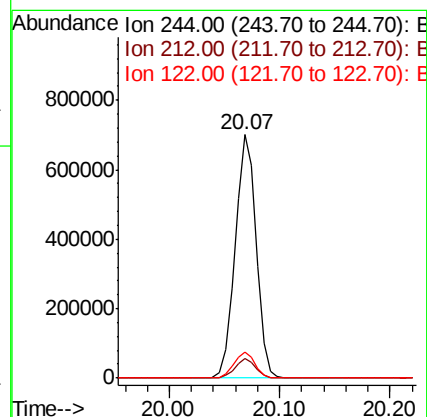
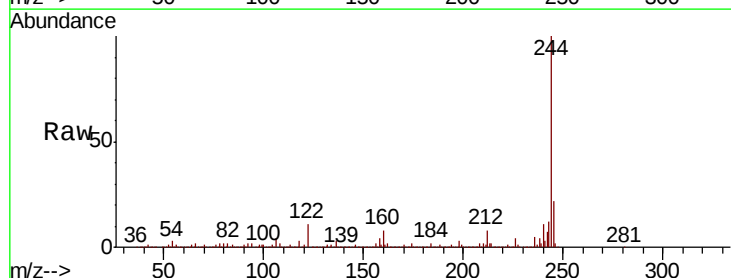
Instrument :
BNA_F
ClientSampleId :

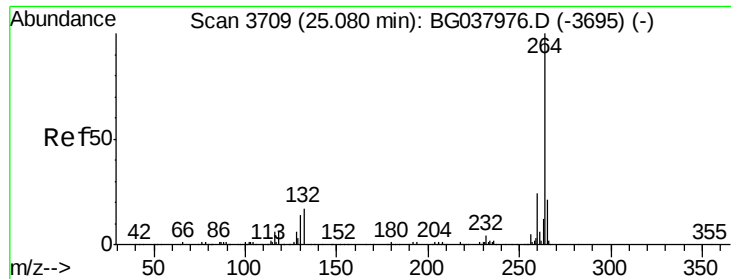
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.1	12.1
236	27.4	21.4	32.0



#79
Terphenyl-d14
Concen: 78.640 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	10.6	9.0	13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3708
Delta R.T. -0.01 min
Lab File: BG038032.D
Acq: 16 Nov 2018 14:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	23.1	17.9	26.9

