

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121318\
 Data File : BG038542.D
 Acq On : 13 Dec 2018 21:22
 Operator : JU/SJ
 Sample : J6350-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SV-27781L

Quant Time: Dec 13 22:37:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	23634	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	97573	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	62078	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	155424	20.00	ng	0.00
76) Chrysene-d12	21.72	240	157477	20.00	ng	0.00
87) Perylene-d12	25.02	264	169727	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	93702	70.32	ng	0.00
7) Phenol-d6	7.21	99	79653	43.54	ng	0.00
23) Nitrobenzene-d5	9.23	82	195682	102.45	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	143844	168.13	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	456166	100.81	ng	0.00
79) Terphenyl-d14	20.05	244	786122	108.64	ng	0.00

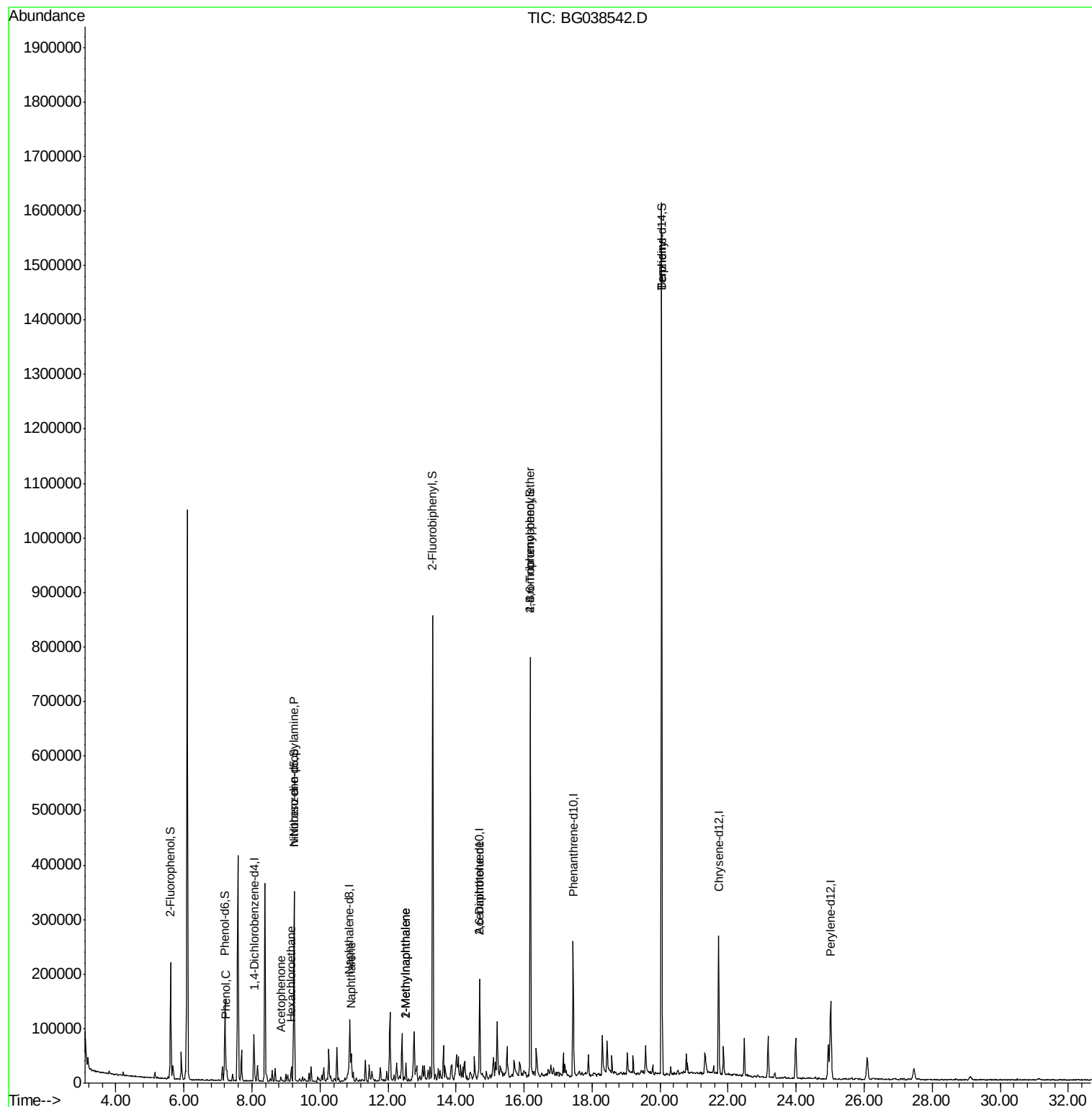
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	5543	2.852	ng	93
18) Hexachloroethane	9.16	117	4086	5.988	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	26449	20.586	ng	# 73
22) Acetophenone	8.85	105	7395	3.034	ng	# 57
31) Naphthalene	10.93	128	22894	4.762	ng	98
37) 2-Methylnaphthalene	12.52	142	17235	5.025	ng	89
38) 1-Methylnaphthalene	12.52	142	17235	5.179	ng	84
51) 2,6-Dinitrotoluene	14.69	165	9609	8.364	ng	# 24
67) 4-Bromophenyl-phenylether	16.19	248	9413	4.959	ng	# 1
77) Benzidine	20.05	184	14342	3.080	ng	# 92

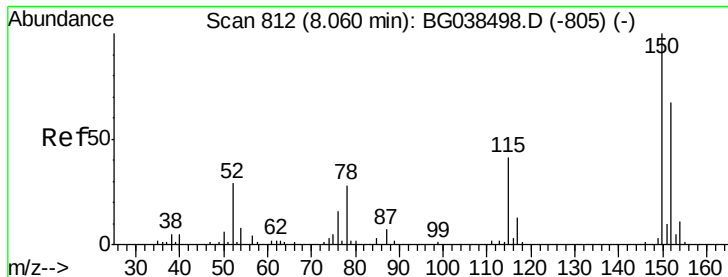
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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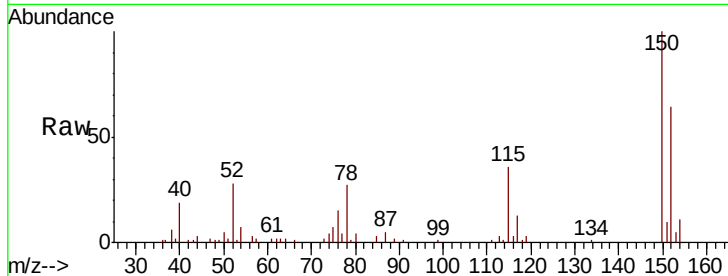


#1

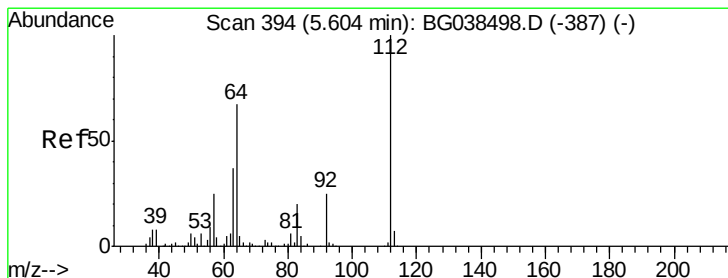
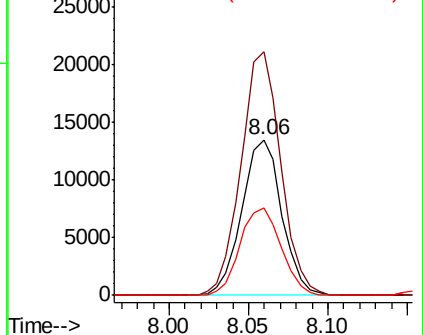
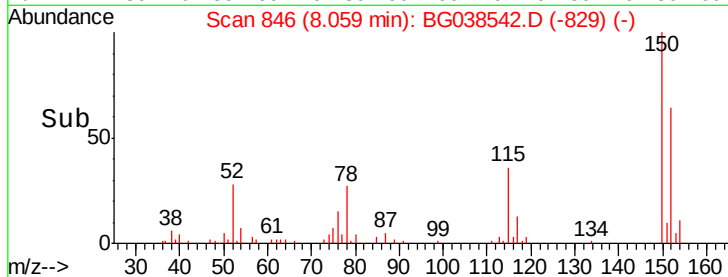
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038542.D
Acq: 13 Dec 2018 21:22

Instrument :
BNA_G
ClientSampleId :
SV-27781L

Tgt Ion:152 Resp: 23634
Ion Ratio Lower Upper
152 100
150 156.2 119.5 179.3
115 55.7 49.6 74.4



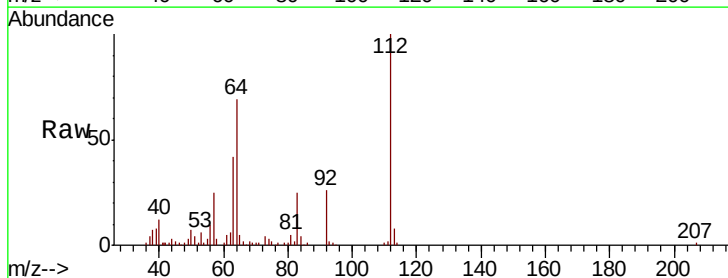
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



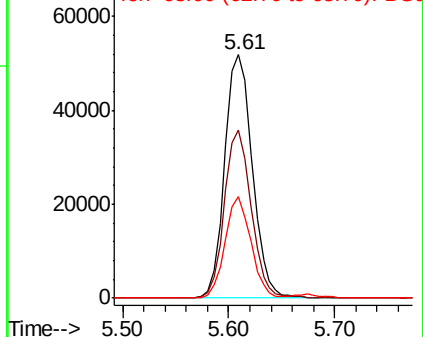
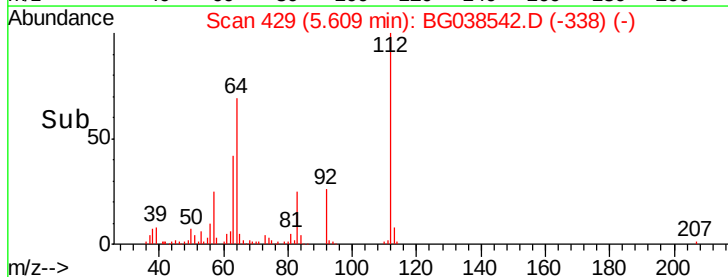
#5

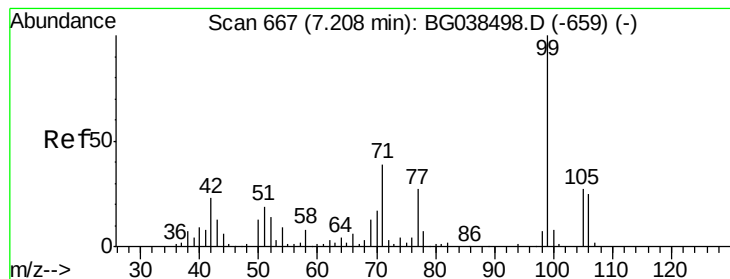
2-Fluorophenol
Concen: 70.320 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038542.D
Acq: 13 Dec 2018 21:22

Tgt Ion:112 Resp: 93702
Ion Ratio Lower Upper
112 100
64 69.1 53.4 80.2
63 41.6 29.3 43.9



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: 43.544 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

Instrument :

BNA_G

ClientSampleId :

SV-27781L

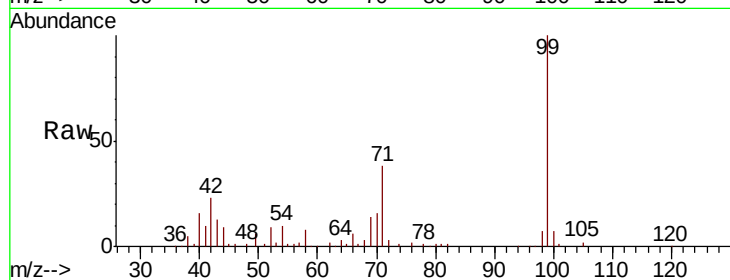
Tgt Ion: 99 Resp: 79653

Ion Ratio Lower Upper

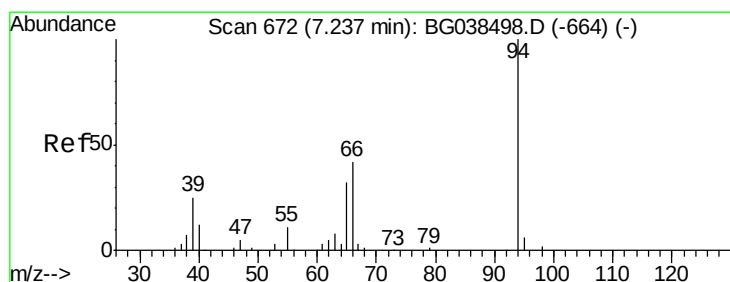
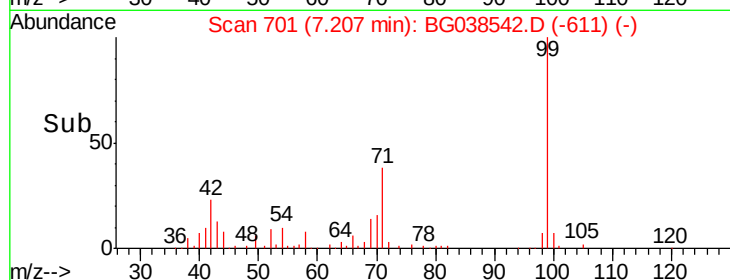
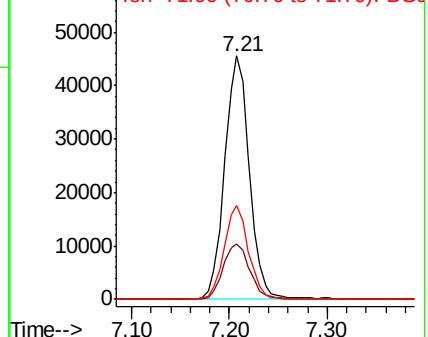
99 100

42 23.0 18.5 27.7

71 38.5 31.1 46.7



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: 2.852 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

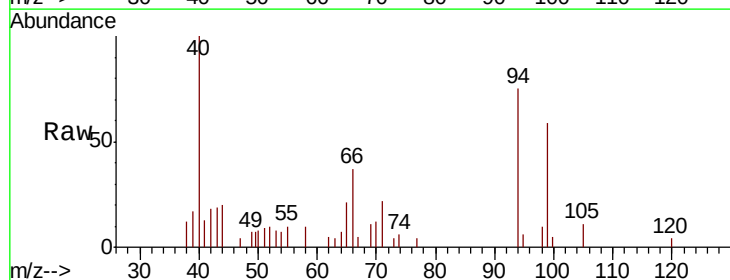
Tgt Ion: 94 Resp: 5543

Ion Ratio Lower Upper

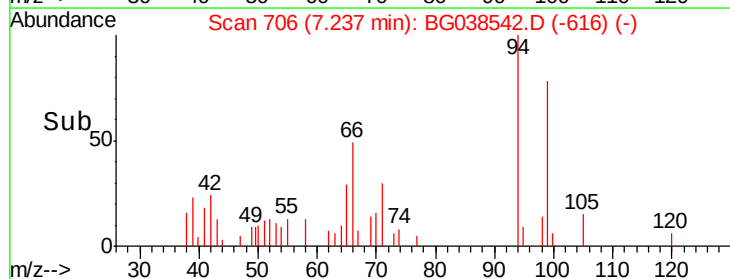
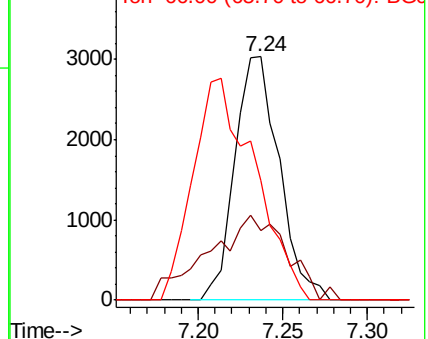
94 100

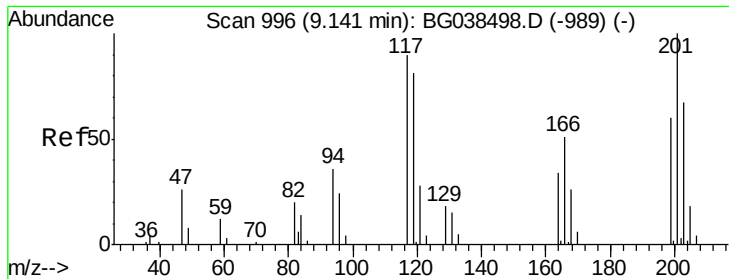
65 28.6 12.6 52.6

66 48.9 24.1 64.1



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

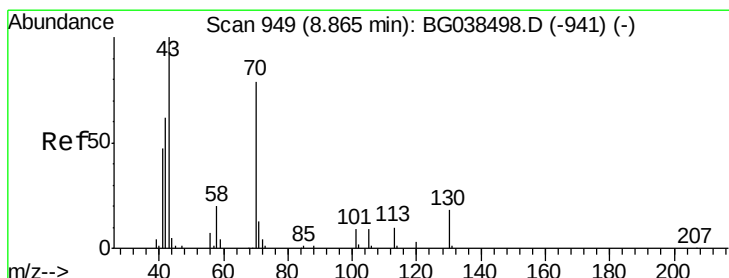
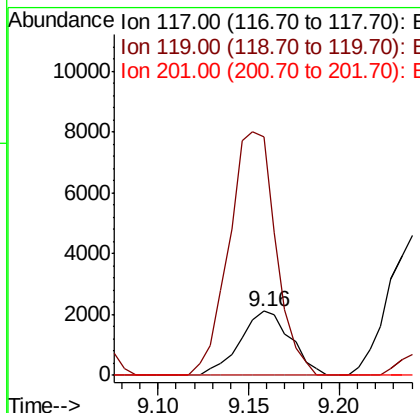
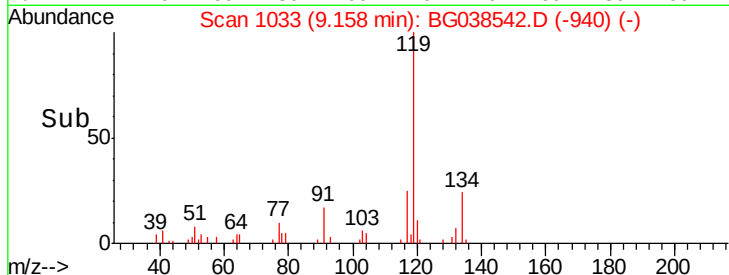
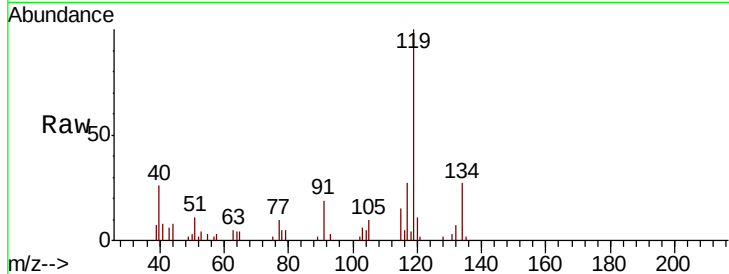




#18
Hexachloroethane
Concen: 5.988 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.02 min
Lab File: BG038542.D
Acq: 13 Dec 2018 21:22

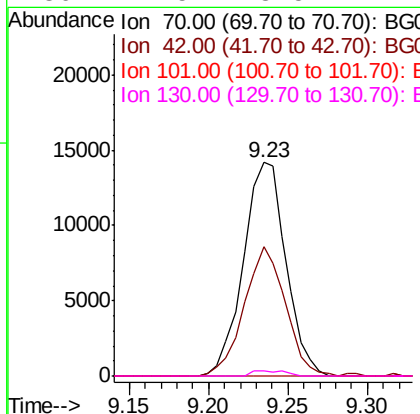
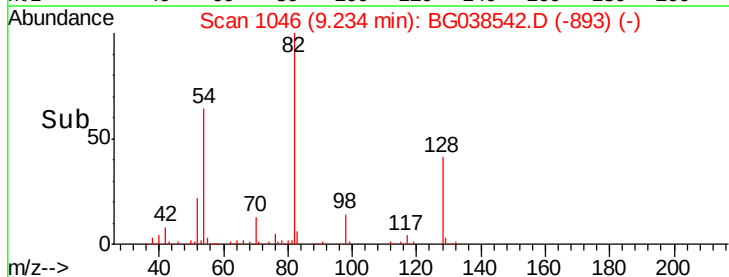
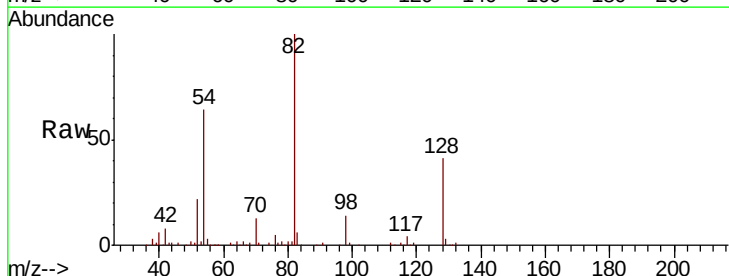
Instrument :
BNA_G
ClientSampleId :
SV-27781L

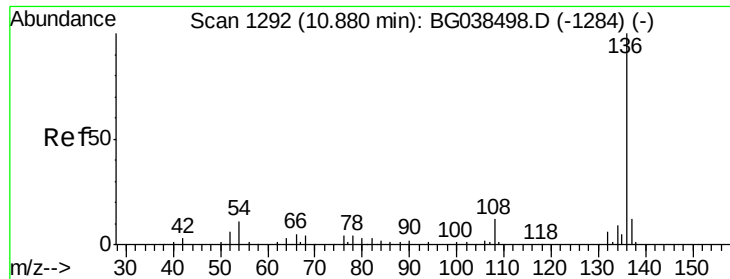
Tgt Ion: 117 Resp: 4086
Ion Ratio Lower Upper
117 100
119 373.2 73.8 110.8#
201 0.0 89.4 134.0#



#19
n-Nitroso-di-n-propylamine
Concen: 20.586 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038542.D
Acq: 13 Dec 2018 21:22

Tgt Ion: 70 Resp: 26449
Ion Ratio Lower Upper
70 100
42 60.6 63.6 95.4#
101 0.0 9.2 13.8#
130 2.5 18.5 27.7#

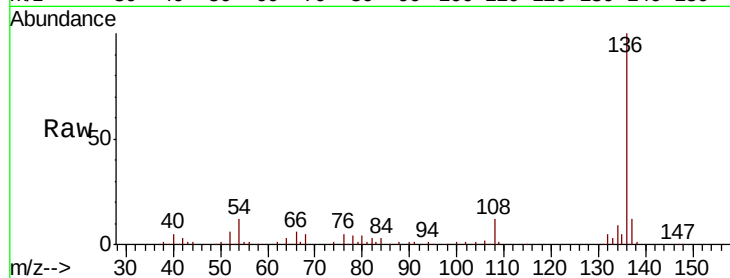




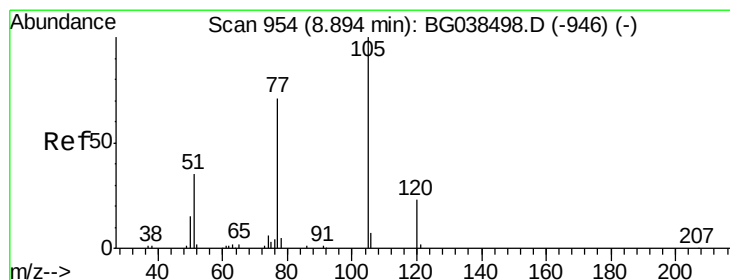
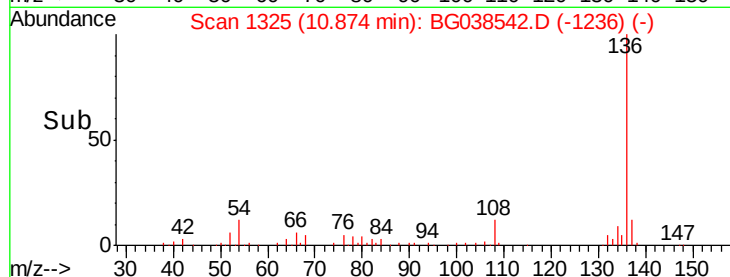
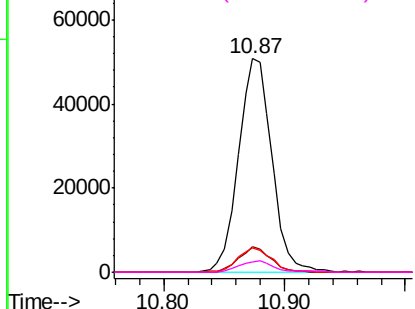
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038542.D
Acq: 13 Dec 2018 21:22

Instrument :
BNA_G
ClientSampleId :
SV-27781L

Tgt Ion:	136	Resp:	97573
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	11.7	8.5	12.7
68	4.7	3.5	5.3

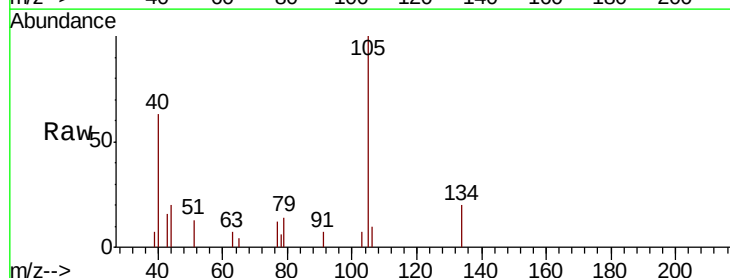


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

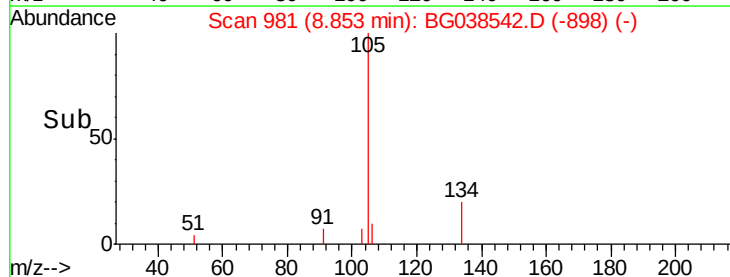
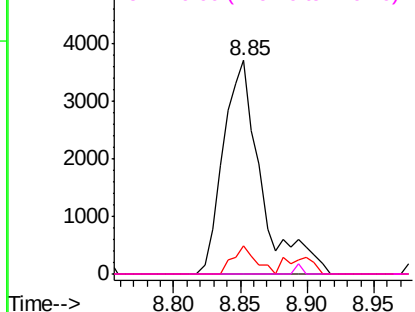


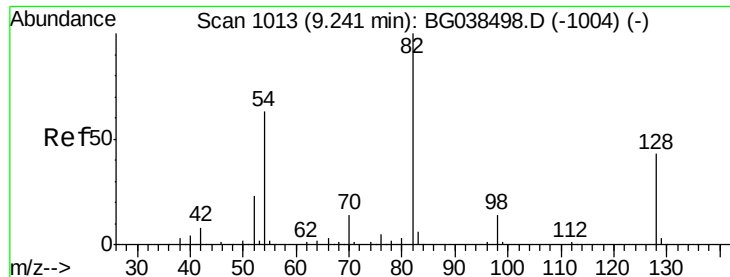
#22
Acetophenone
Concen: 3.034 ng
RT: 8.85 min Scan# 981
Delta R.T. -0.04 min
Lab File: BG038542.D
Acq: 13 Dec 2018 21:22

Tgt Ion:	105	Resp:	7395
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.4	0.6#
51	13.4	30.6	46.0#
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: 102.455 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

Instrument :

BNA_G

ClientSampleId :

SV-27781L

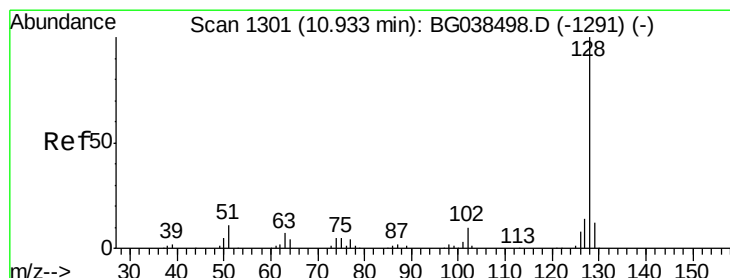
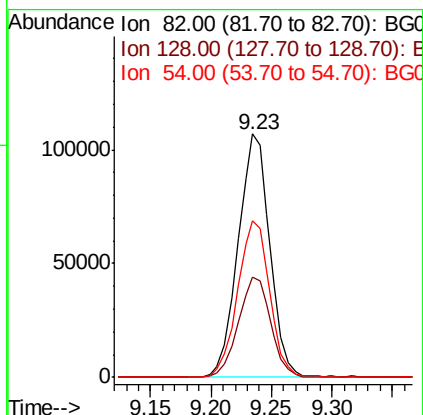
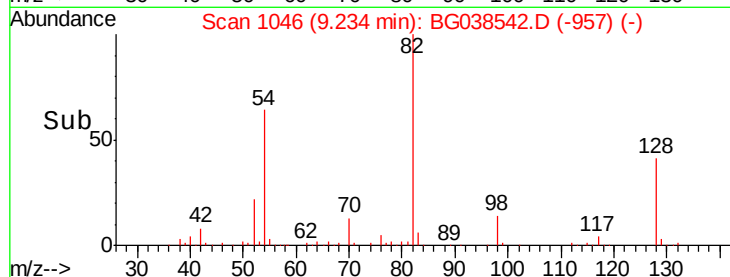
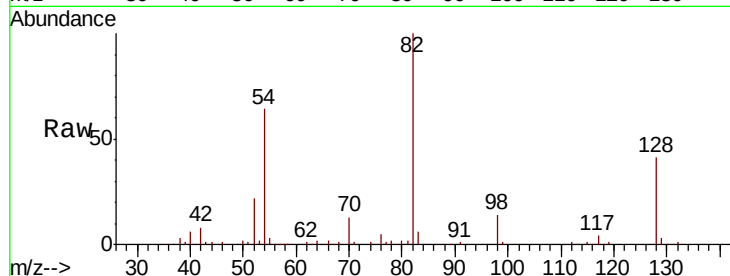
Tgt Ion: 82 Resp: 195682

Ion Ratio Lower Upper

82 100

128 41.2 34.6 52.0

54 64.4 50.6 76.0



#31

Naphthalene

Concen: 4.762 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

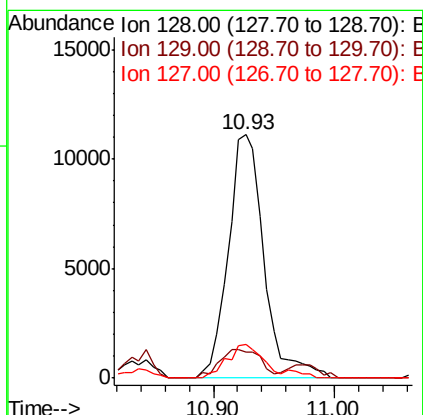
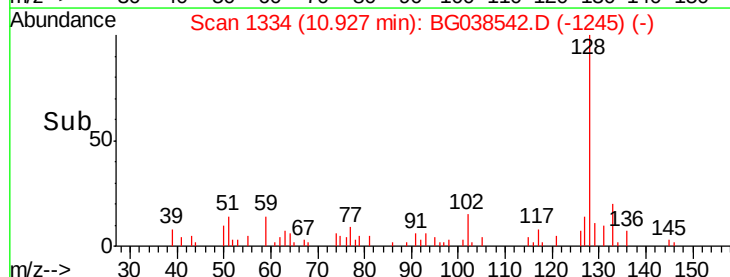
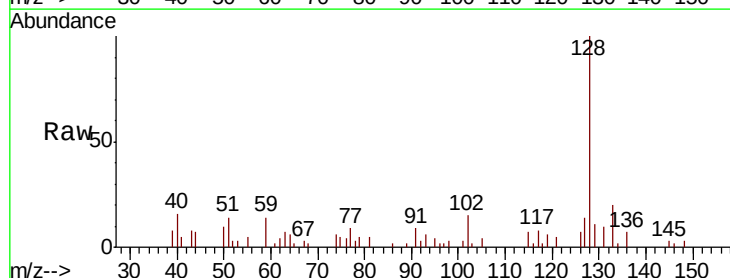
Tgt Ion: 128 Resp: 22894

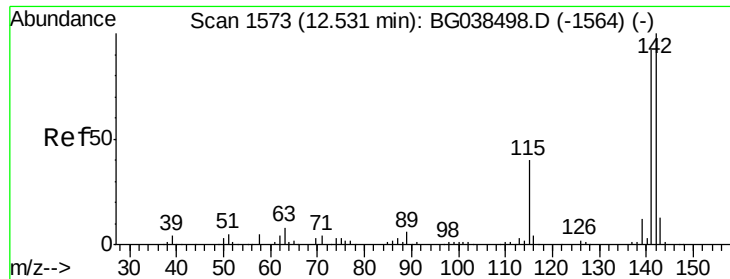
Ion Ratio Lower Upper

128 100

129 10.7 9.5 14.3

127 13.7 10.9 16.3

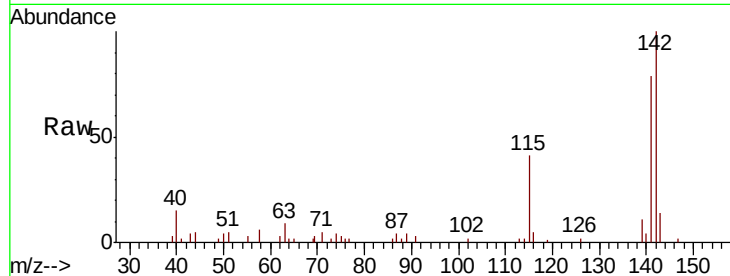




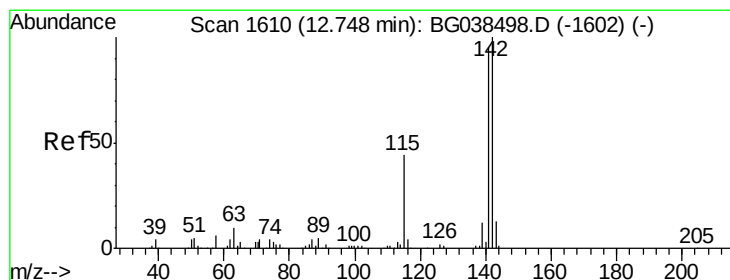
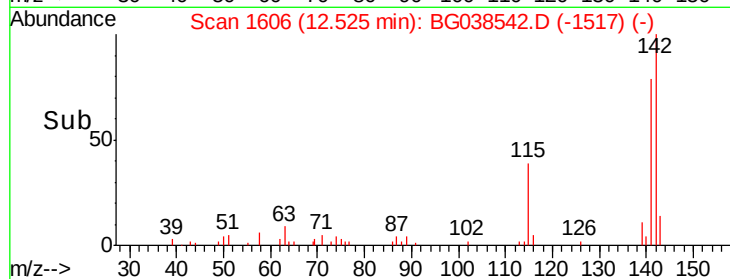
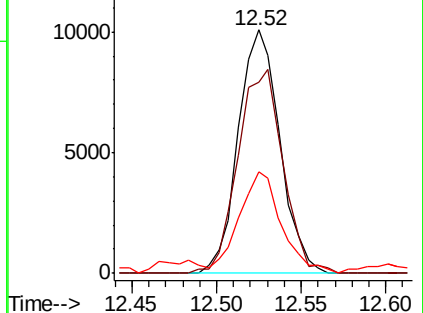
#37
 2-Methylnaphthalene
 Concen: 5.025 ng
 RT: 12.52 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

Instrument :
 BNA_G
 ClientSampleId :
 SV-27781L

Tgt Ion:142 Resp: 17235
 Ion Ratio Lower Upper
 142 100
 141 78.6 73.5 110.3
 115 41.5 31.7 47.5

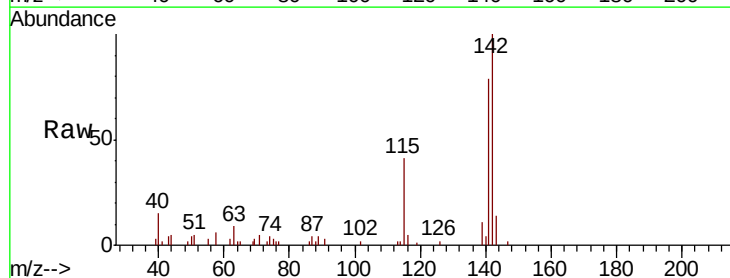


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

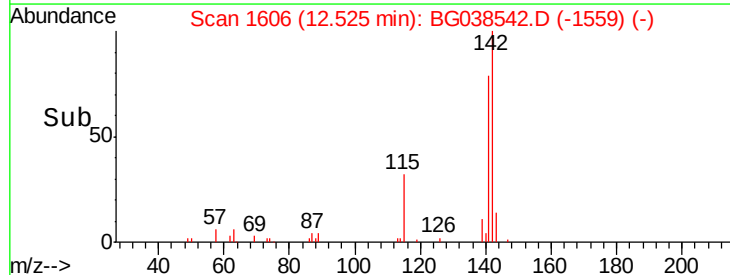
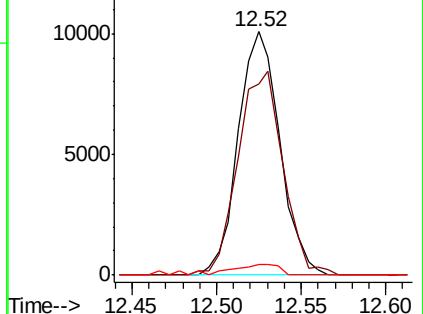


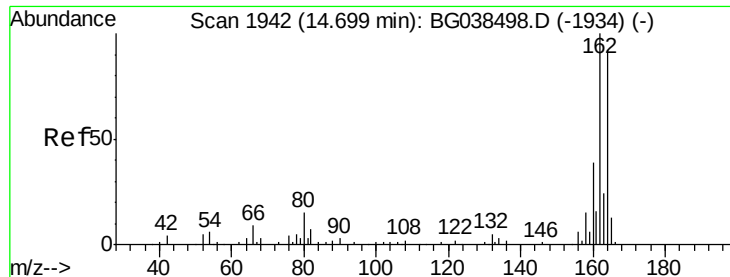
#38
 1-Methylnaphthalene
 Concen: 5.179 ng
 RT: 12.52 min Scan# 1606
 Delta R.T. -0.22 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

Tgt Ion:142 Resp: 17235
 Ion Ratio Lower Upper
 142 100
 141 78.6 75.8 113.8
 116 4.5 3.6 5.4



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: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

Instrument :

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ClientSampleId :

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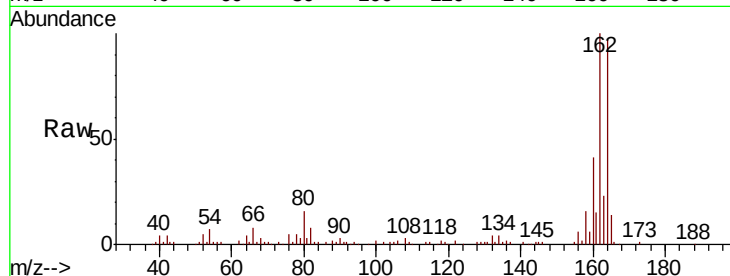
Tgt Ion:164 Resp: 62078

Ion Ratio Lower Upper

164 100

162 103.0 86.6 130.0

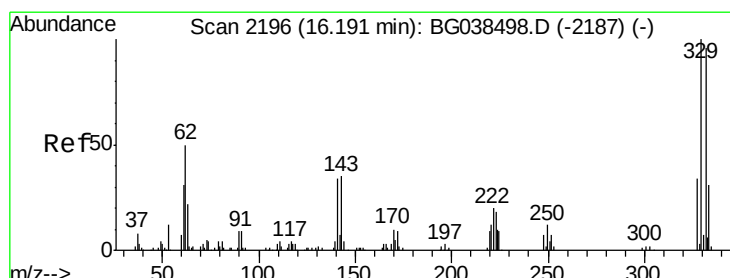
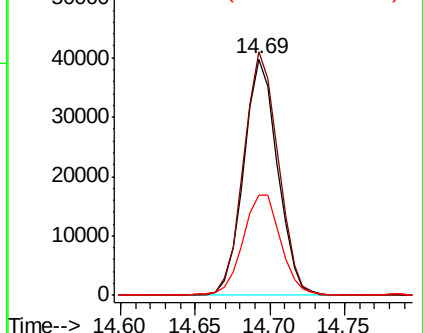
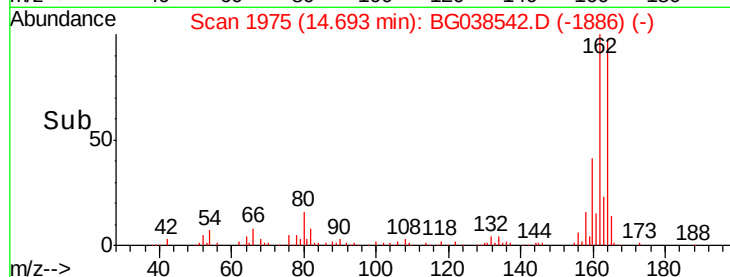
160 42.4 34.2 51.2



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: 168.131 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

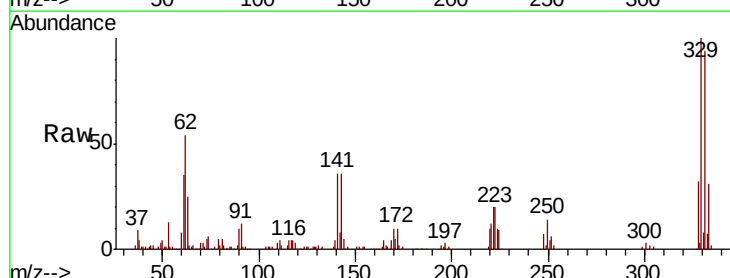
Tgt Ion:330 Resp: 143844

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

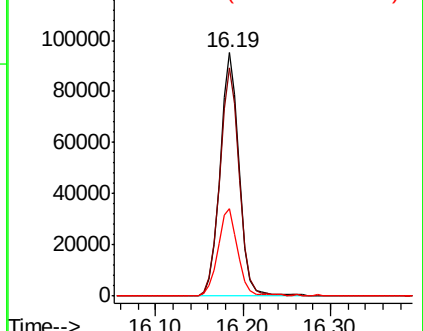
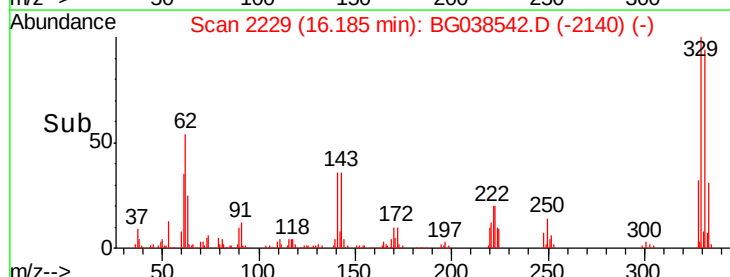
141 37.7 28.8 43.2

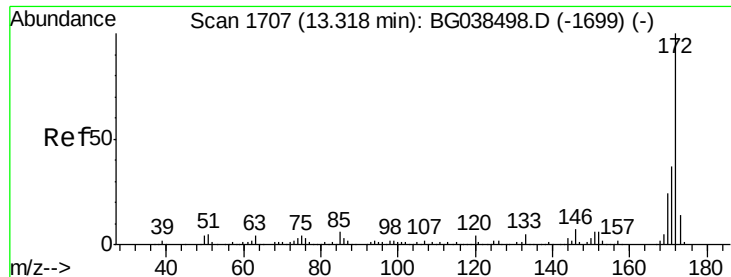


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

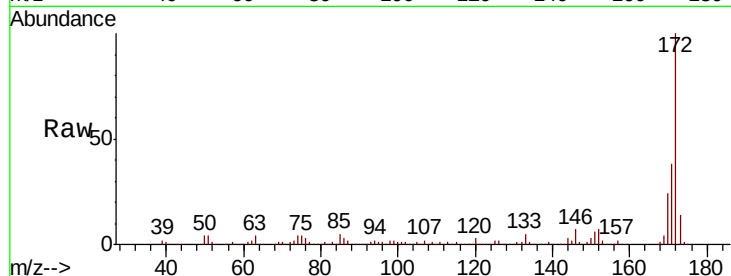




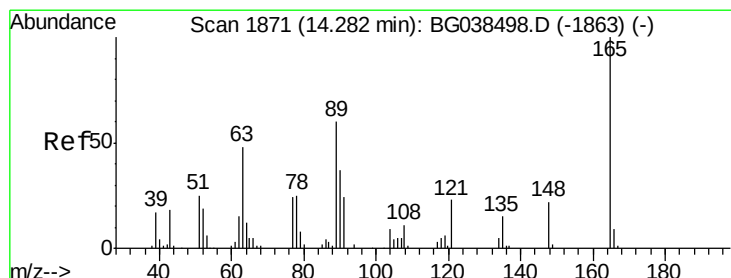
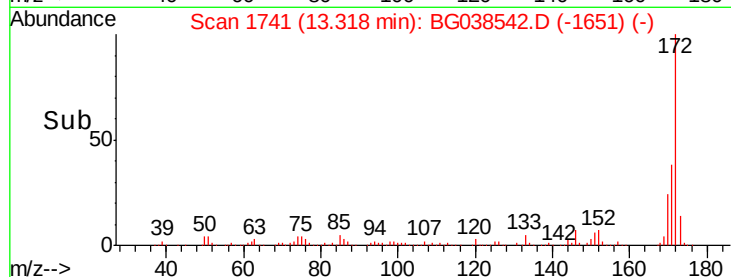
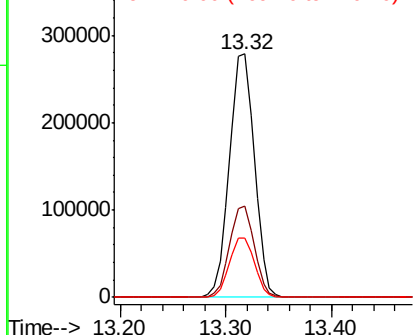
#45
 2-Fluorobiphenyl
 Concen: 100.807 ng
 RT: 13.32 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

Instrument :
 BNA_G
 ClientSampleId :
 SV-27781L

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.8	44.6
170	24.2	19.5	29.3

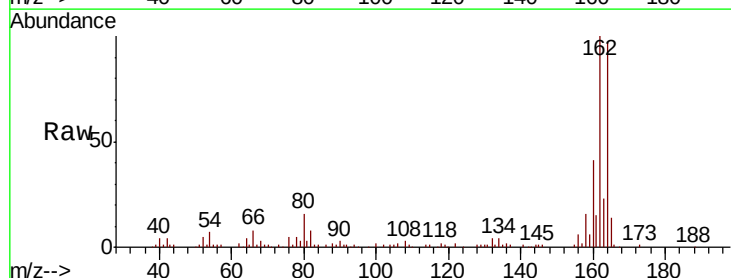


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

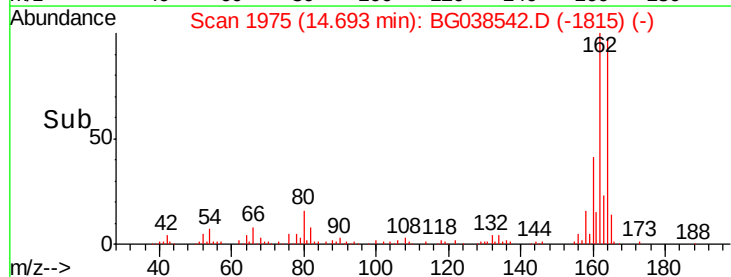
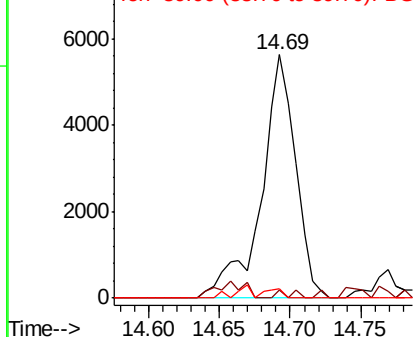


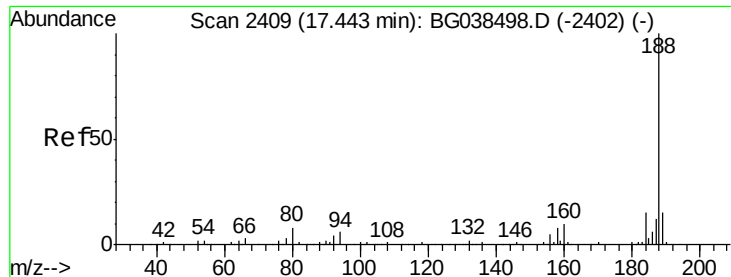
#51
 2,6-Dinitrotoluene
 Concen: 8.364 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.6	51.8	77.6#
89	3.8	47.9	71.9#



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

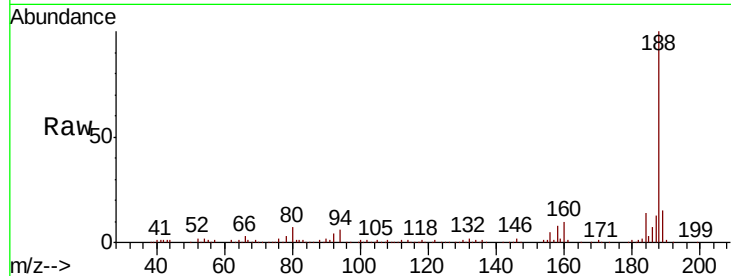




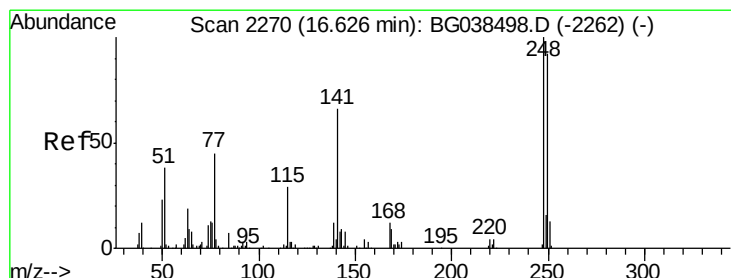
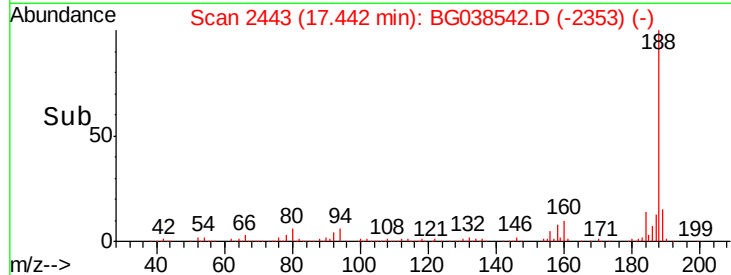
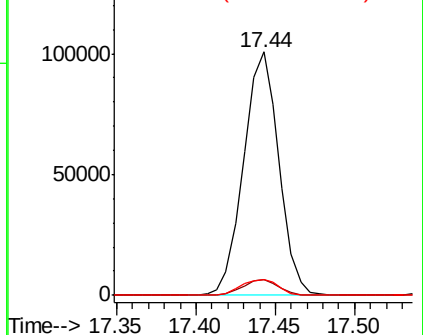
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

Instrument :
 BNA_G
 ClientSampleId :
 SV-27781L

Tgt Ion:188 Resp: 155424
 Ion Ratio Lower Upper
 188 100
 94 6.4 5.1 7.7
 80 6.5 6.1 9.1

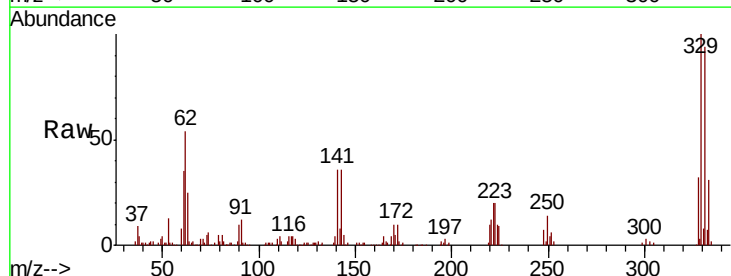


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGO
 Ion 80.00 (79.70 to 80.70): BGO

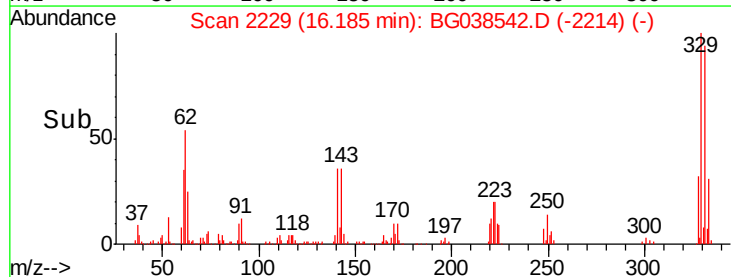
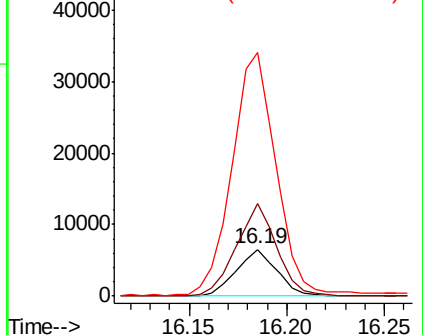


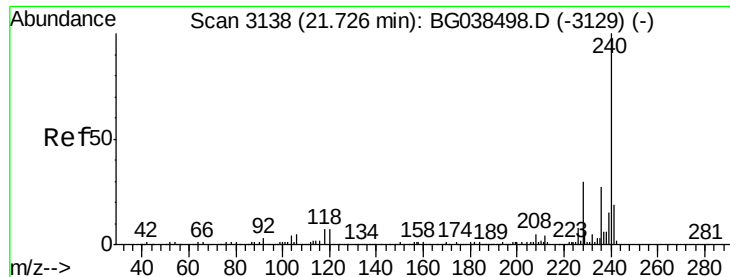
#67
 4-Bromophenyl-phenylether
 Concen: 4.959 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

Tgt Ion:248 Resp: 9413
 Ion Ratio Lower Upper
 248 100
 250 185.1 73.4 110.2#
 141 385.3 52.9 79.3#



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

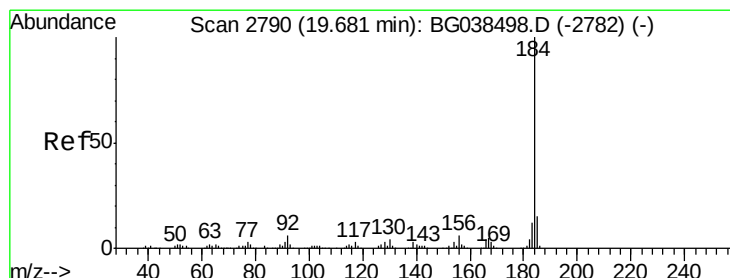
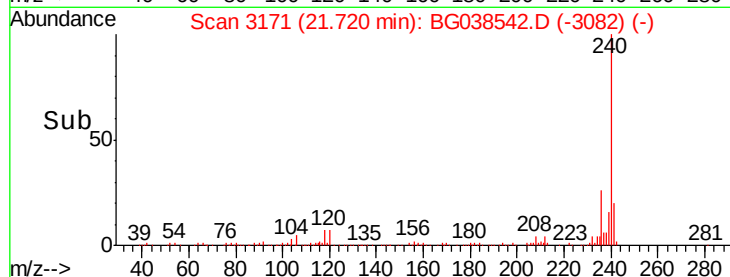
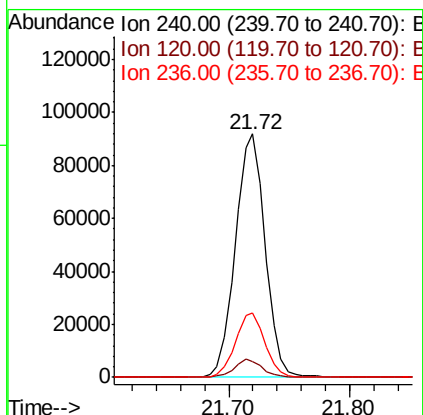
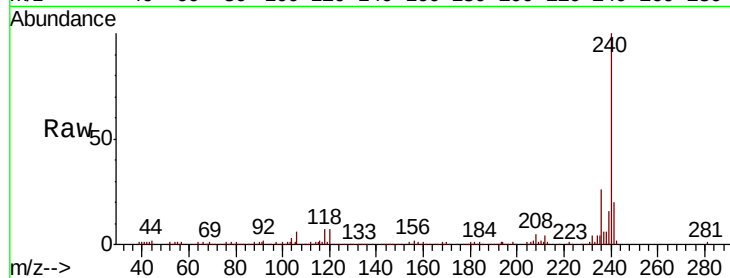




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

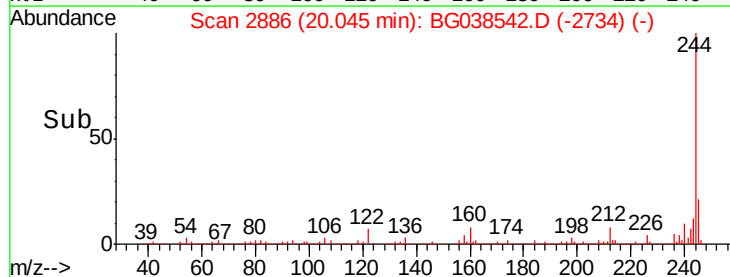
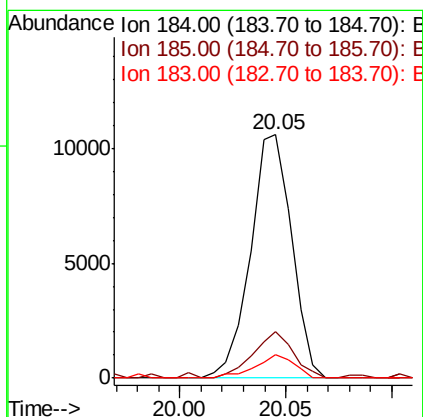
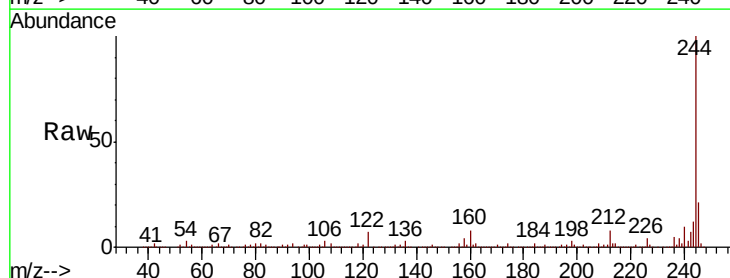
Instrument :
 BNA_G
 ClientSampleId :
 SV-27781L

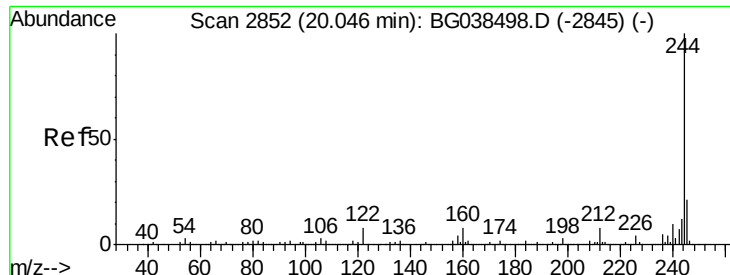
Tgt Ion:240 Resp: 157477
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.3 7.9
 236 26.5 21.4 32.2



#77
 Benzidine
 Concen: 3.080 ng
 RT: 20.05 min Scan# 2886
 Delta R.T. 0.36 min
 Lab File: BG038542.D
 Acq: 13 Dec 2018 21:22

Tgt Ion:184 Resp: 14342
 Ion Ratio Lower Upper
 184 100
 185 18.9 12.2 18.2#
 183 9.4 9.6 14.4#





#79

Terphenyl-d14

Concen: 108.642 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

Instrument :

BNA_G

ClientSampleId :

SV-27781L

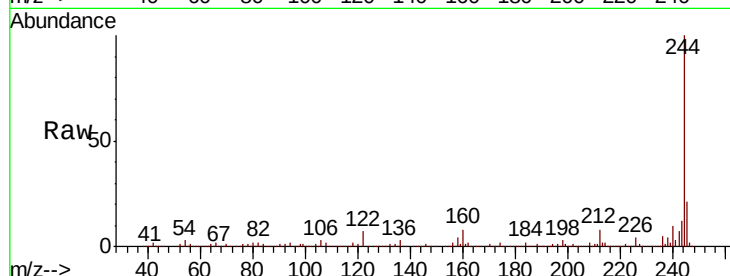
Tgt Ion:244 Resp: 786122

Ion Ratio Lower Upper

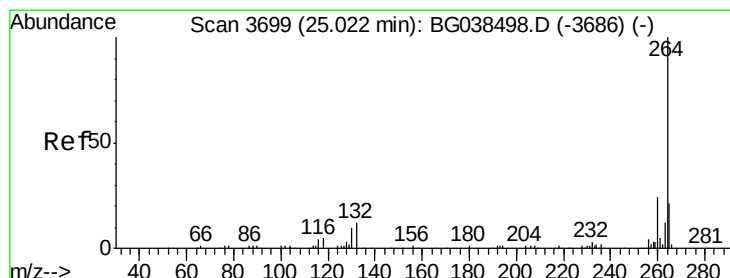
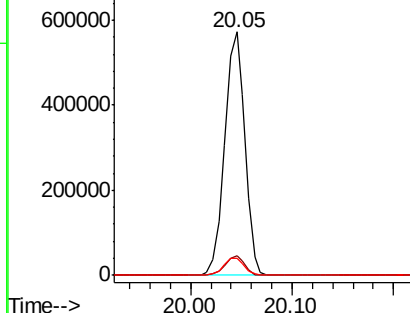
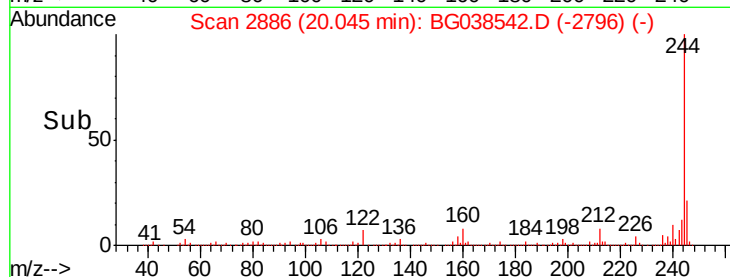
244 100

212 7.9 6.2 9.2

122 7.3 6.3 9.5



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: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038542.D

Acq: 13 Dec 2018 21:22

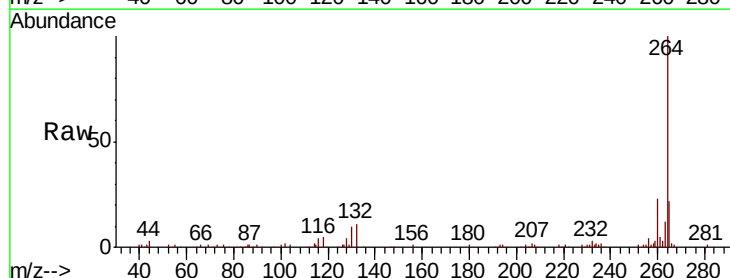
Tgt Ion:264 Resp: 169727

Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

265 22.0 17.0 25.4



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

