

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
 Data File : BG038770.D
 Acq On : 20 Dec 2018 20:12
 Operator : JU/SJ
 Sample : J6426-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS013-3036-01

Quant Time: Dec 21 00:55:27 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

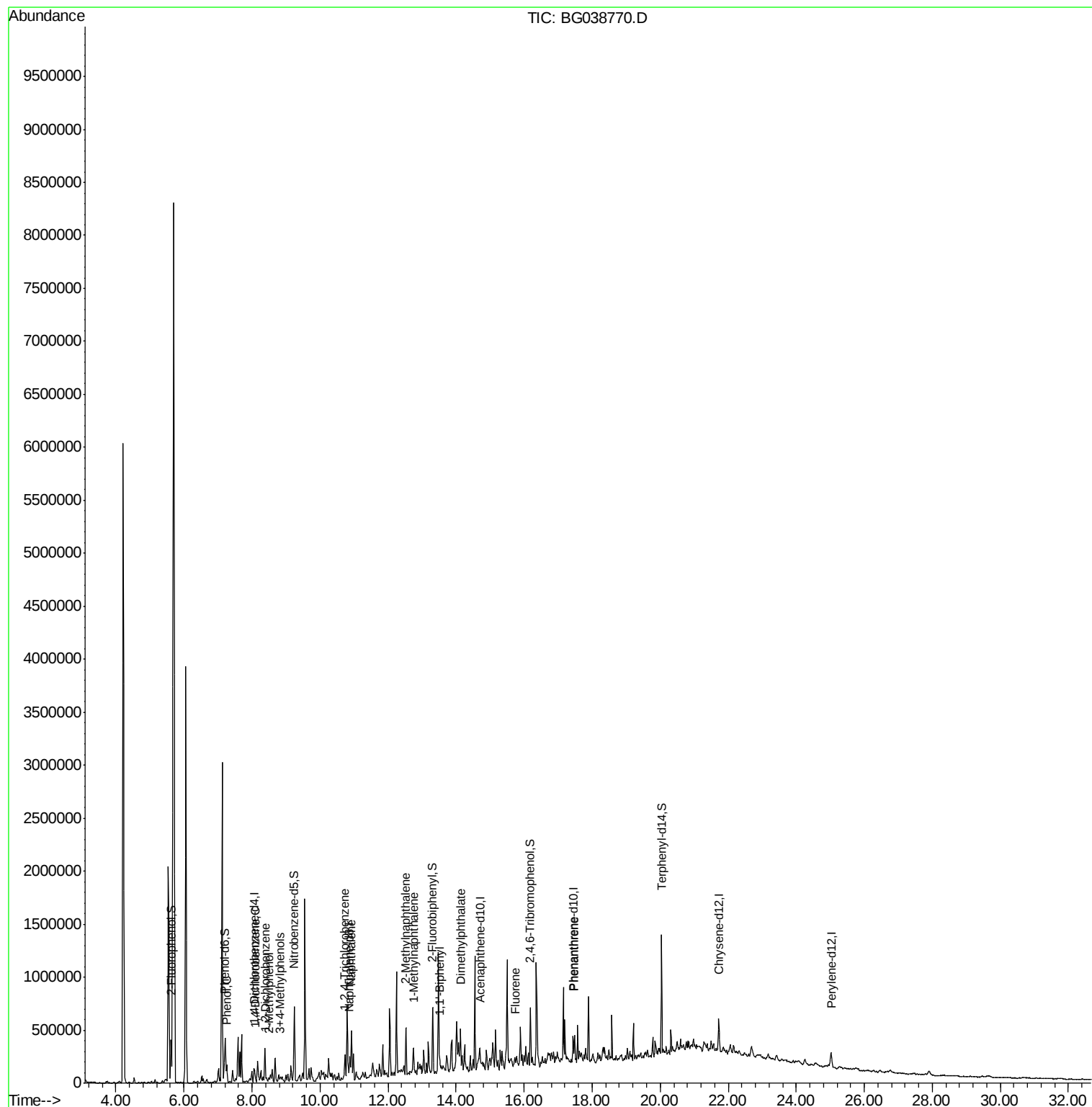
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	27464	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	103559	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	68406	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	149279	20.00	ng	0.00
76) Chrysene-d12	21.73	240	157788	20.00	ng	0.00
87) Perylene-d12	25.03	264	173159	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	166471	107.51	ng	0.02
7) Phenol-d6	7.21	99	227045	106.81	ng	0.00
23) Nitrobenzene-d5	9.23	82	145621	71.84	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	109962	116.64	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	347778	69.75	ng	0.00
79) Terphenyl-d14	20.05	244	551381	76.05	ng	0.00
Target Compounds						
10) Phenol	7.24	94	24791	10.977	ng	89
13) 1,4-Dichlorobenzene	8.09	146	10550	4.862	ng	92
14) 1,2-Dichlorobenzene	8.41	146	5799	2.835	ng	94
17) 2-Methylphenol	8.50	107	11137	7.361	ng	94
20) 3+4-Methylphenols	8.82	107	14847	7.105	ng	93
30) 1,2,4-Trichlorobenzene	10.73	180	67989	33.636	ng	96
31) Naphthalene	10.93	128	341900	67.007	ng	99
37) 2-Methylnaphthalene	12.53	142	220611	60.605	ng	98
38) 1-Methylnaphthalene	12.75	142	121972	34.530	ng	99
46) 1,1'-Biphenyl	13.53	154	46555	8.118	ng	96
50) Dimethylphthalate	14.14	163	27651	4.950	ng	# 96
58) Fluorene	15.74	166	18736	3.726	ng	# 95
71) Phenanthrene	17.48	178	97783	12.632	ng	97

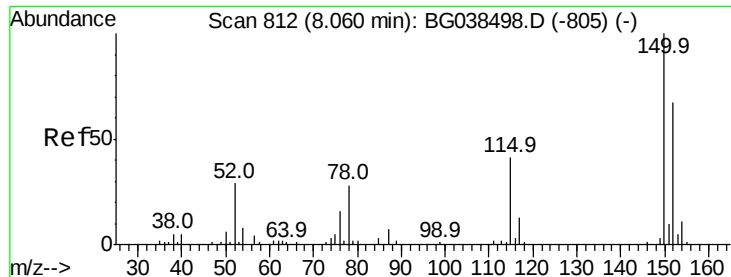
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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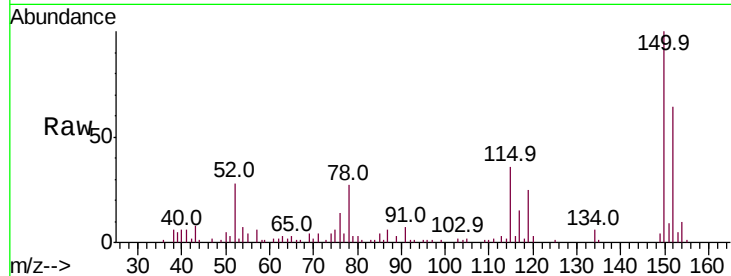


#1

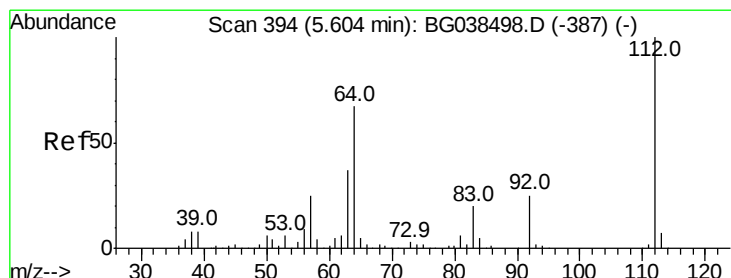
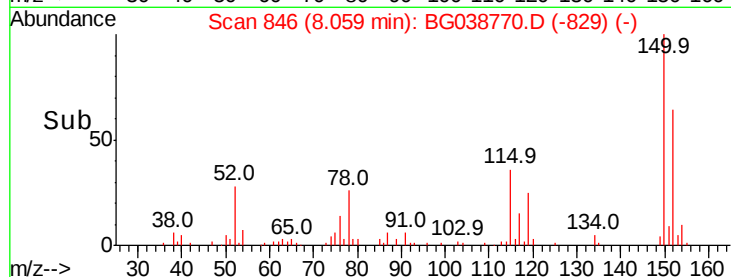
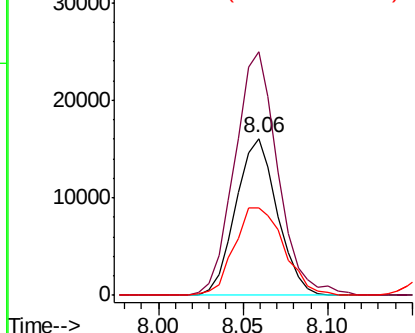
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Instrument :
BNA_G
ClientSampleId :
P001-SS013-3036-01

Tot Ion:152 Resp: 27464
Ion Ratio Lower Upper
152 100
150 155.5 119.5 179.3
115 55.8 49.6 74.4



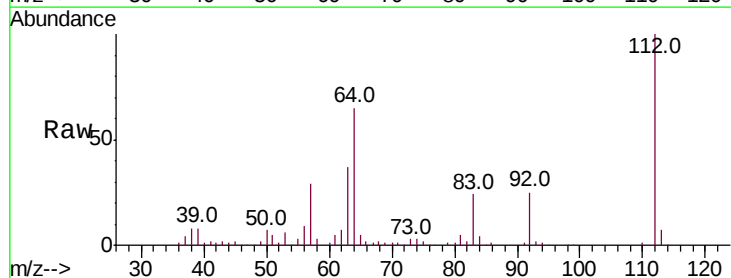
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



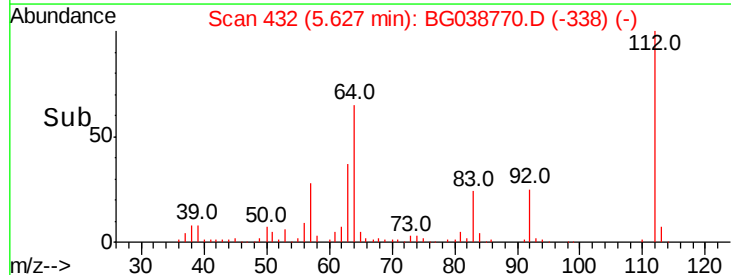
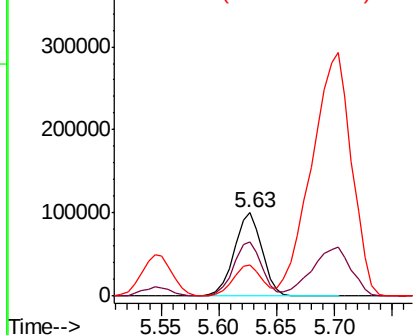
#5

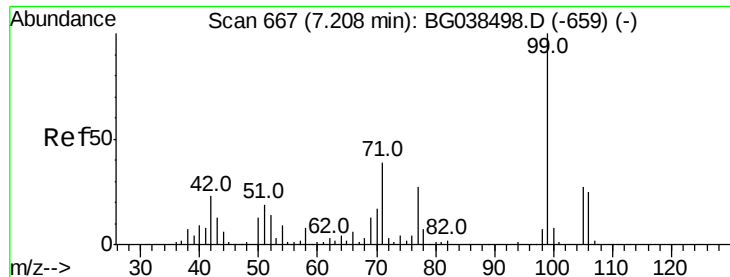
2-Fluorophenol
Concen: 107.509 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.02 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Tgt Ion:112 Resp: 166471
Ion Ratio Lower Upper
112 100
64 64.8 53.4 80.2
63 37.2 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: 106.809 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3036-01

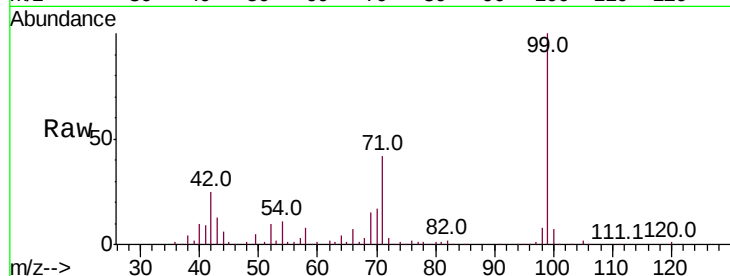
Tot Ion: 99 Resp: 227045

Ion Ratio Lower Upper

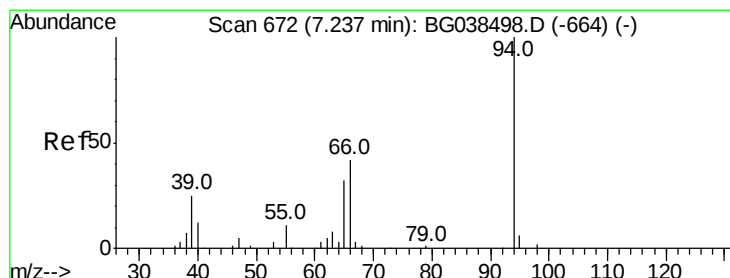
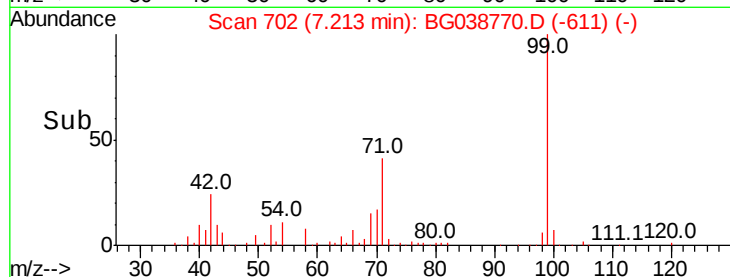
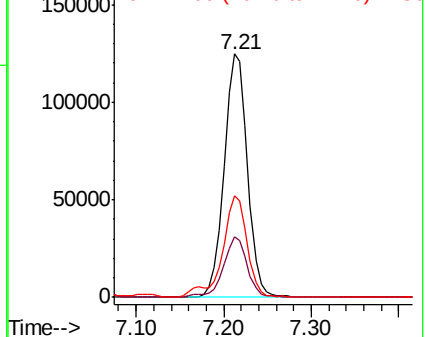
99 100

42 24.9 18.5 27.7

71 41.9 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: 10.977 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

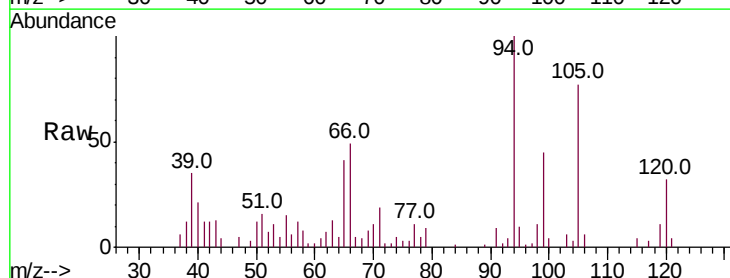
Tgt Ion: 94 Resp: 24791

Ion Ratio Lower Upper

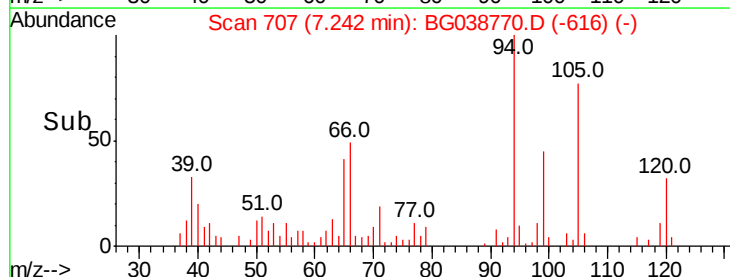
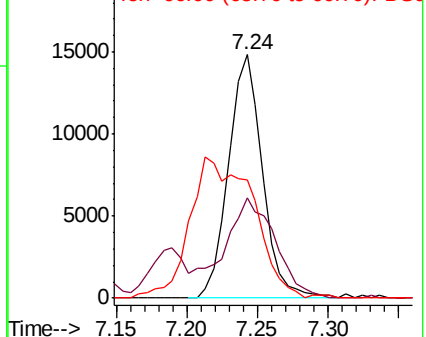
94 100

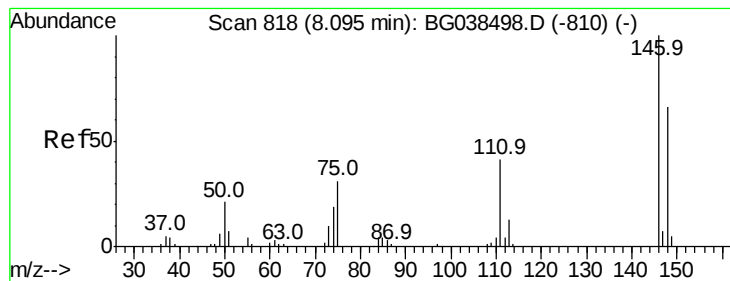
65 41.3 12.6 52.6

66 48.6 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





#13

1,4-Dichlorobenzene

Concen: 4.862 ng

RT: 8.09 min Scan# 851

Delta R.T. -0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3036-01

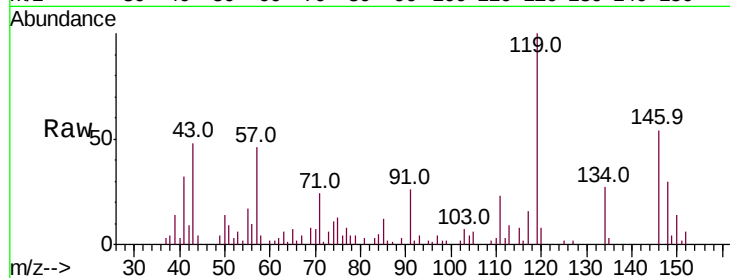
Tot Ion:146 Resp: 10550

Ion Ratio Lower Upper

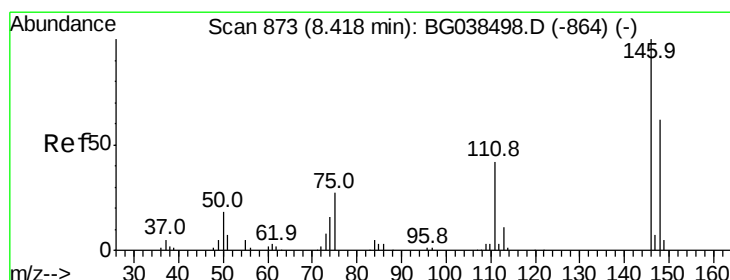
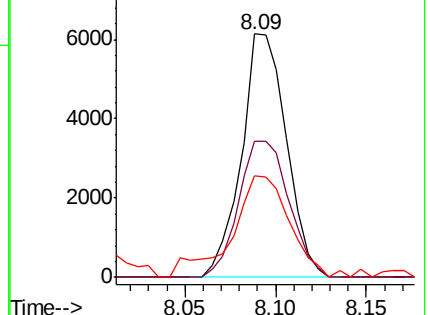
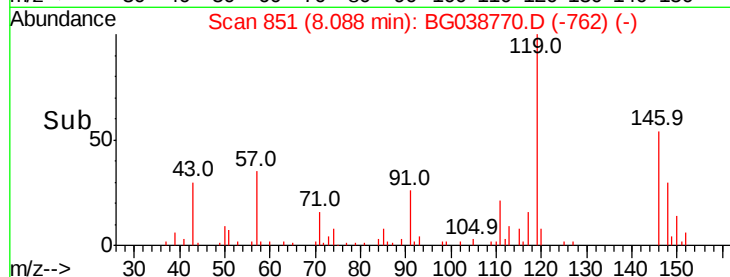
146 100

148 55.6 52.4 78.6

111 41.7 33.0 49.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 2.835 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

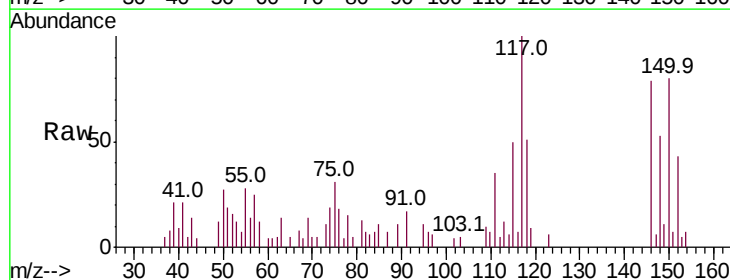
Tgt Ion:146 Resp: 5799

Ion Ratio Lower Upper

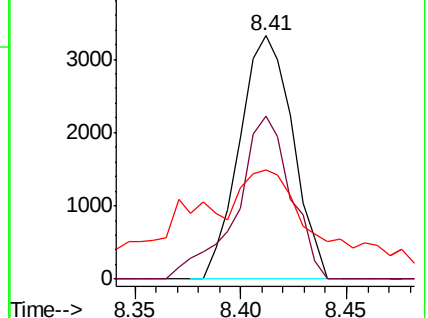
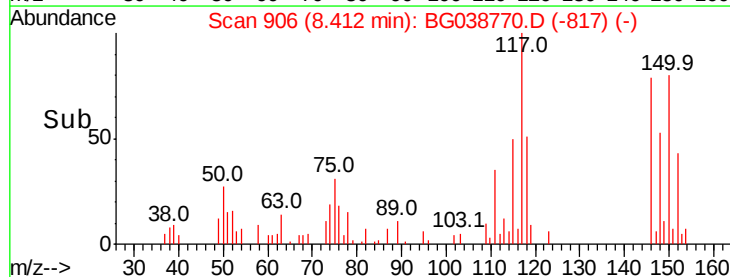
146 100

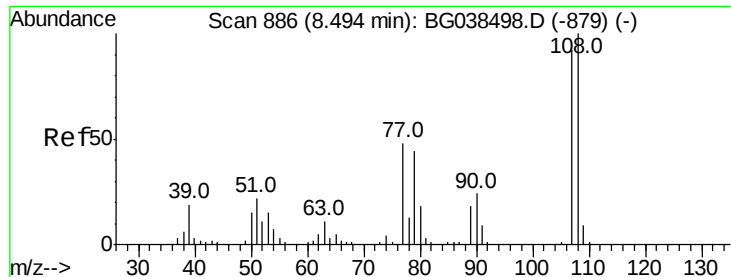
148 66.9 49.4 74.0

111 44.6 33.8 50.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

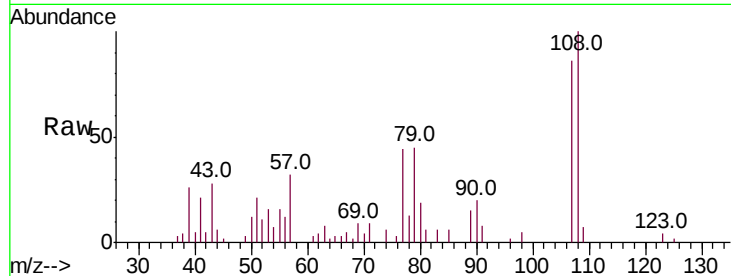




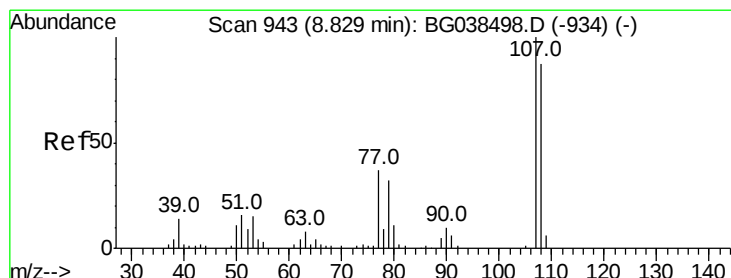
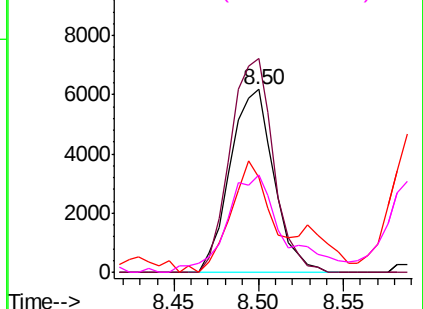
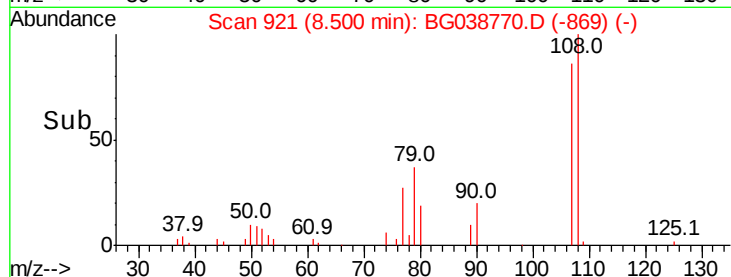
#17
2-Methylphenol
Concen: 7.361 ng
RT: 8.50 min Scan# 921
Delta R.T. 0.01 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Instrument :
BNA_G
ClientSampleId :
P001-SS013-3036-01

Tot Ion:107 Resp: 11137
Ion Ratio Lower Upper
107 100
108 116.8 87.1 130.7
77 51.8 42.0 63.0
79 52.9 38.2 57.2

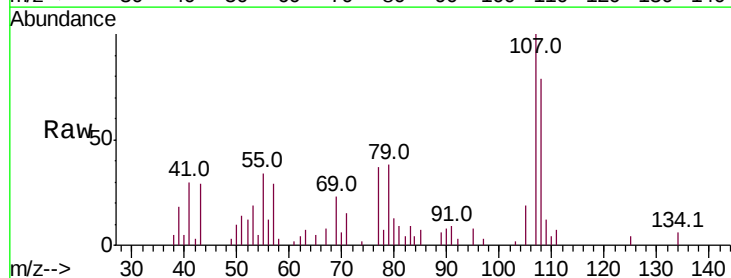


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

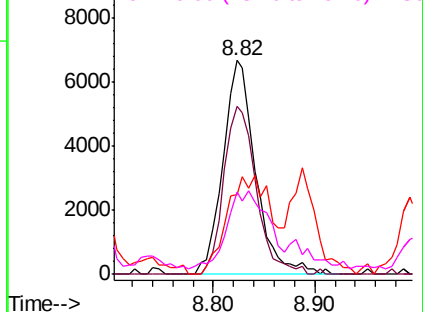
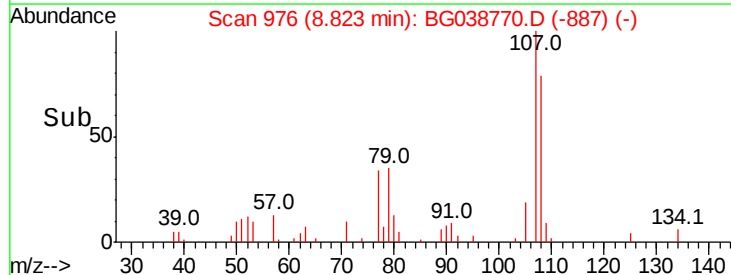


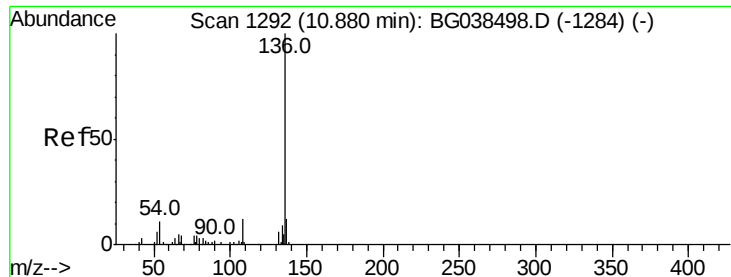
#20
3+4-Methylphenols
Concen: 7.105 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Tgt Ion:107 Resp: 14847
Ion Ratio Lower Upper
107 100
108 78.8 66.7 106.7
77 37.2 17.3 57.3
79 38.1 12.3 52.3



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

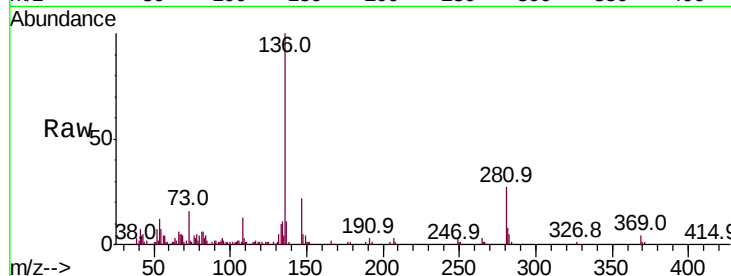




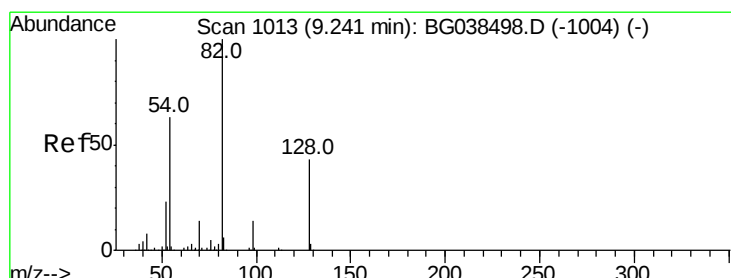
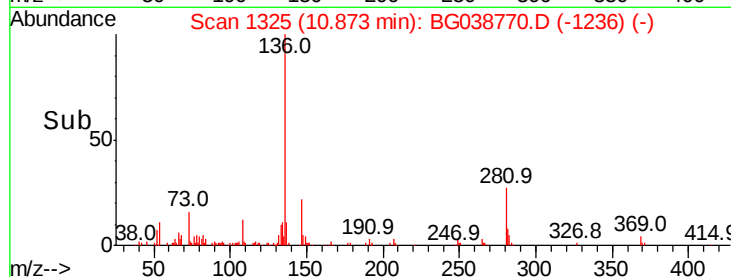
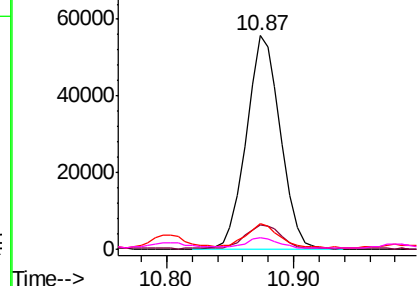
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Instrument :
BNA_G
ClientSampleId :
P001-SS013-3036-01

Tot Ion:	136	Resp:	103559
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	11.8	8.5	12.7
68	5.2	3.5	5.3

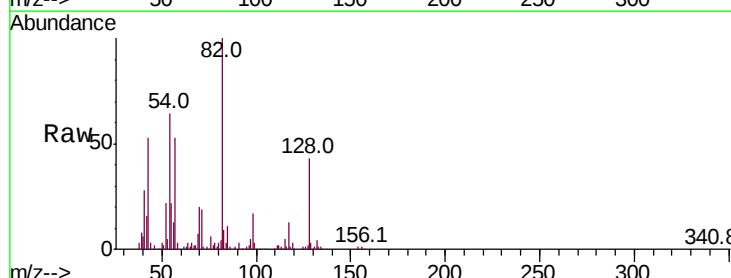


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

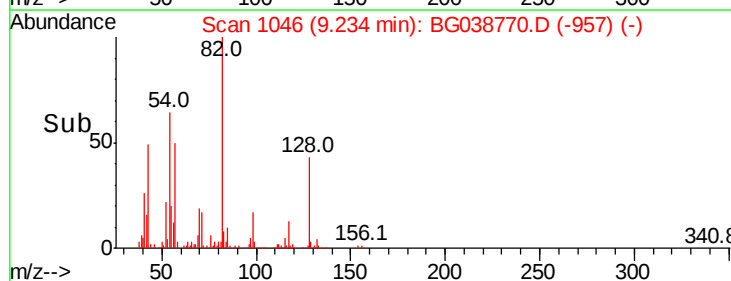
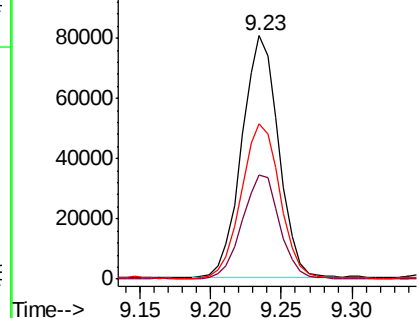


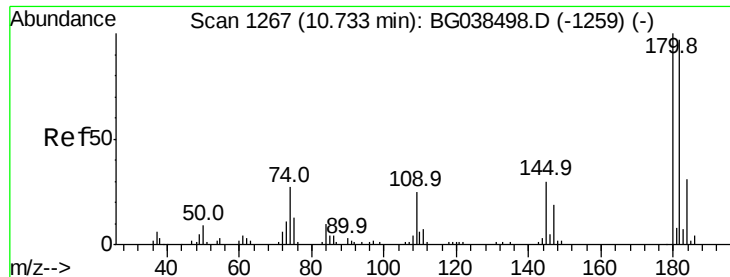
#23
Nitrobenzene-d5
Concen: 71.837 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Tgt Ion:	82	Resp:	145621
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	63.8	50.6	76.0



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

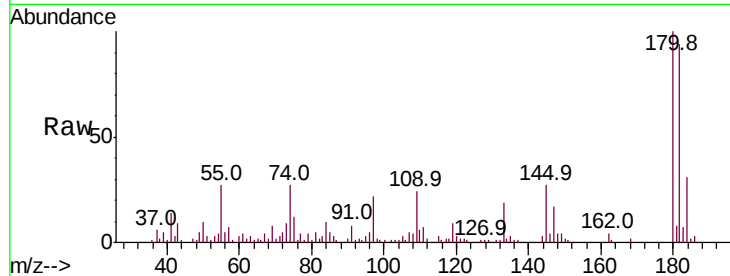




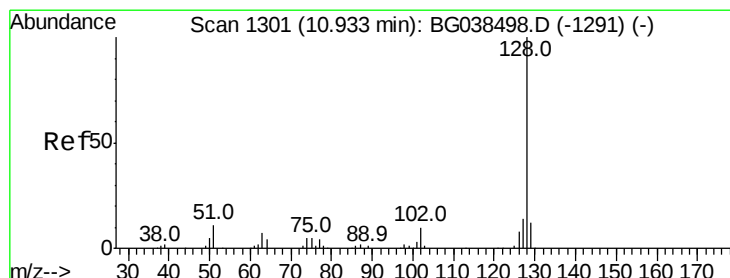
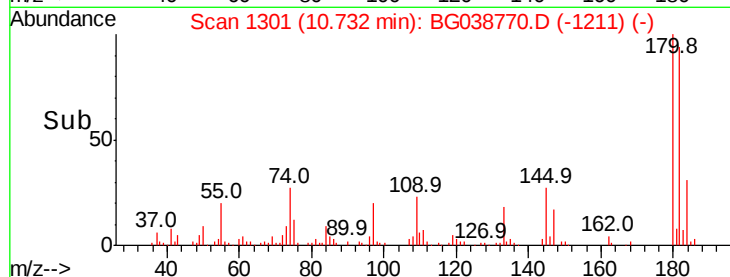
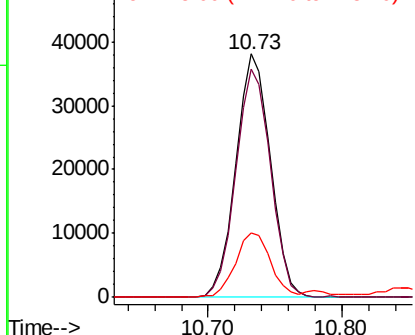
#30
 1,2,4-Trichlorobenzene
 Concen: 33.636 ng
 RT: 10.73 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BG038770.D
 Acq: 20 Dec 2018 20:12

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS013-3036-01

Tot Ion:180 Resp: 67989
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.4 116.0
 145 26.7 24.1 36.1

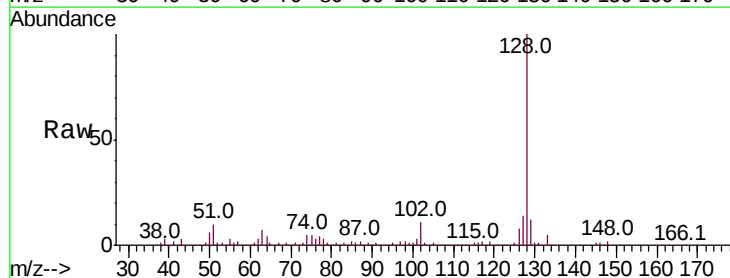


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

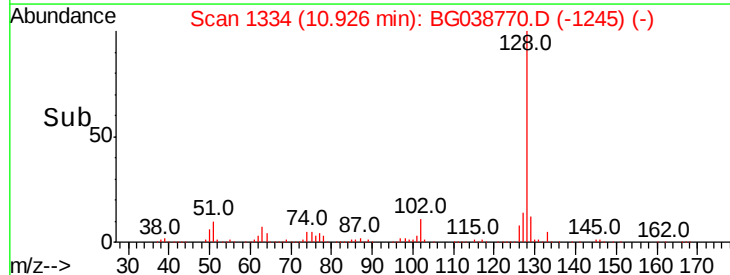
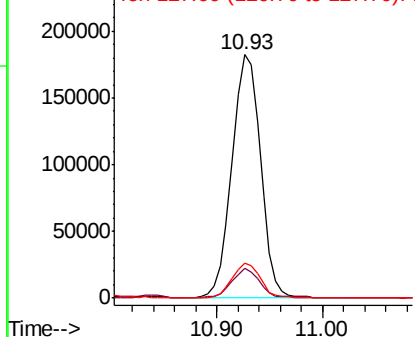


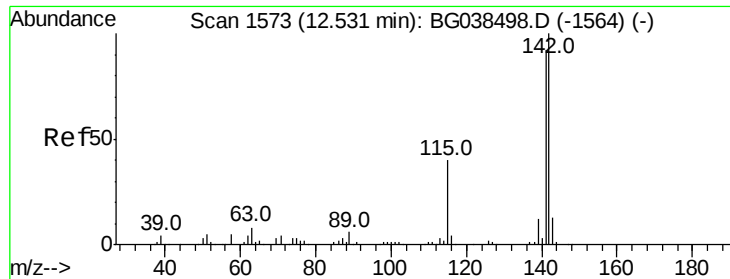
#31
 Naphthalene
 Concen: 67.007 ng
 RT: 10.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BG038770.D
 Acq: 20 Dec 2018 20:12

Tgt Ion:128 Resp: 341900
 Ion Ratio Lower Upper
 128 100
 129 12.0 9.5 14.3
 127 14.2 10.9 16.3



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

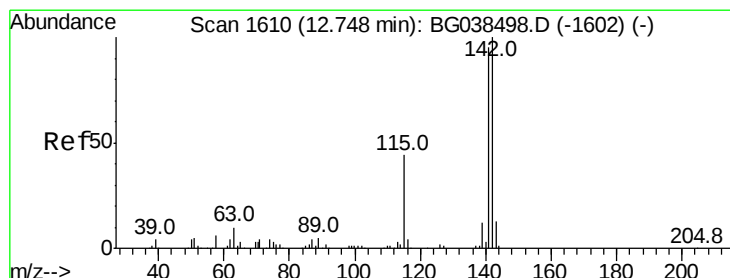
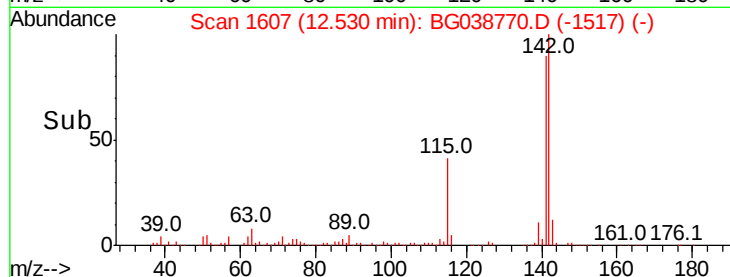
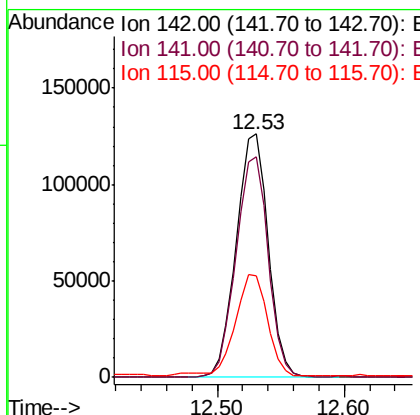
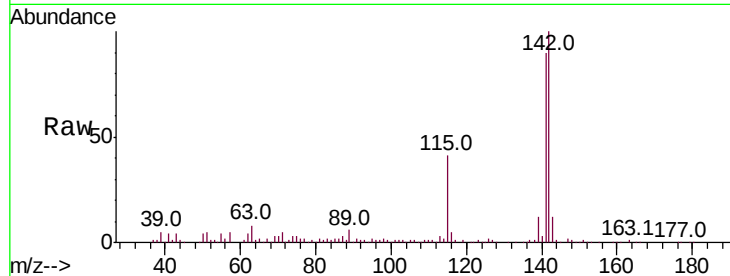




#37
2-Methylnaphthalene
Concen: 60.605 ng
RT: 12.53 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

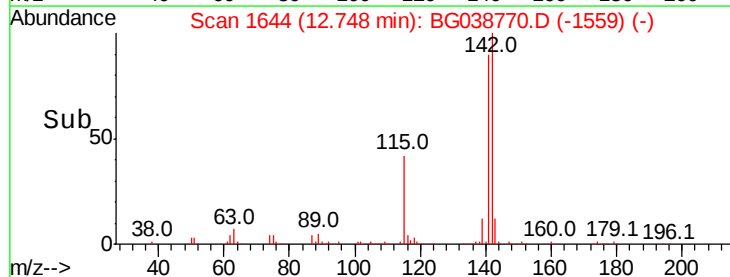
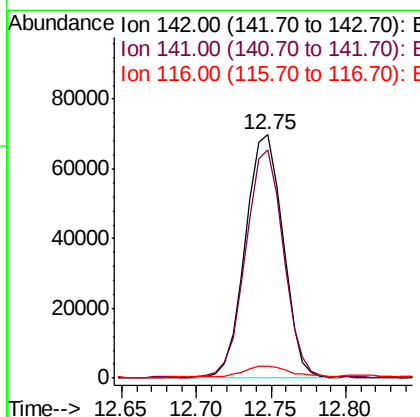
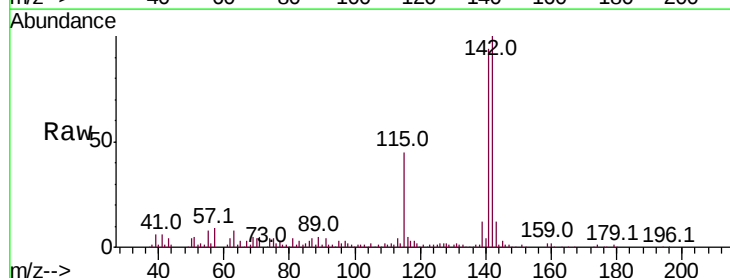
Instrument :
BNA_G
ClientSampleId :
P001-SS013-3036-01

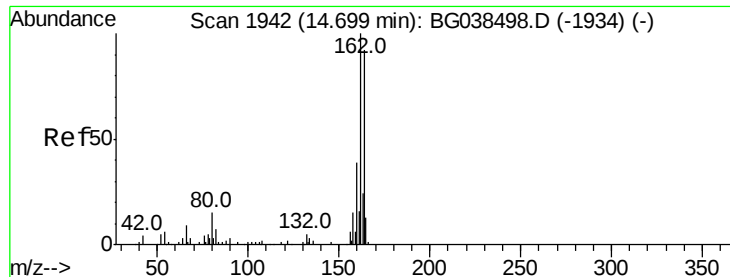
Tot Ion:142 Resp: 220611
Ion Ratio Lower Upper
142 100
141 90.5 73.5 110.3
115 41.4 31.7 47.5



#38
1-Methylnaphthalene
Concen: 34.530 ng
RT: 12.75 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Tgt Ion:142 Resp: 121972
Ion Ratio Lower Upper
142 100
141 93.5 75.8 113.8
116 5.1 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3036-01

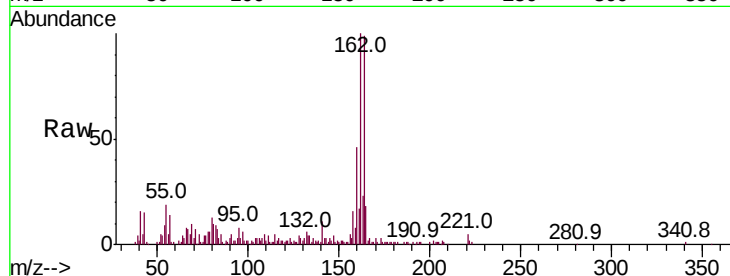
Tot Ion:164 Resp: 68406

Ion Ratio Lower Upper

164 100

162 101.4 86.6 130.0

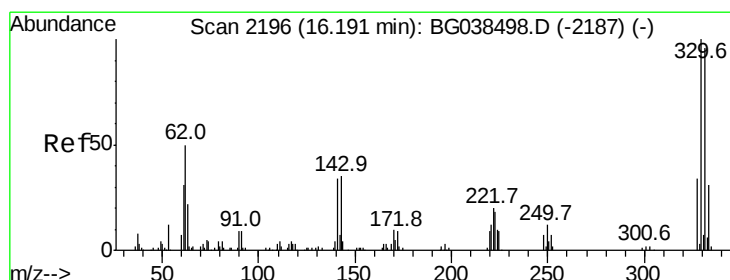
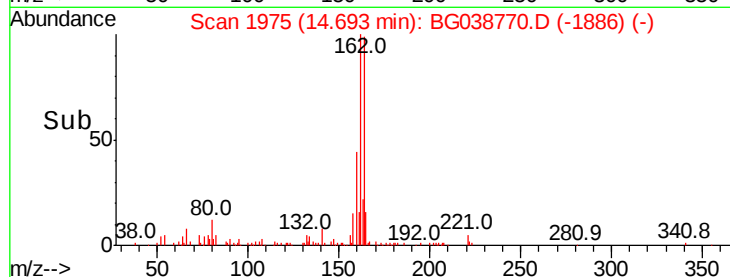
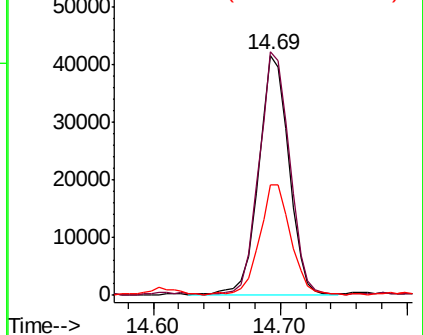
160 46.2 34.2 51.2



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: 116.639 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

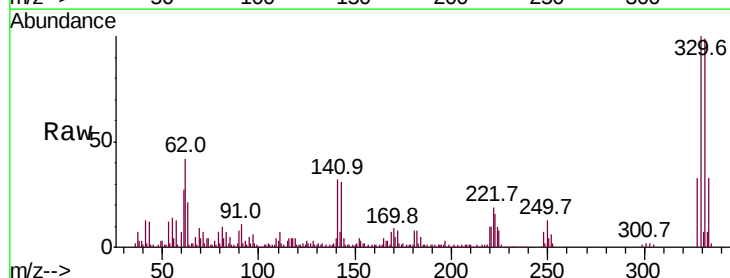
Tgt Ion:330 Resp: 109962

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

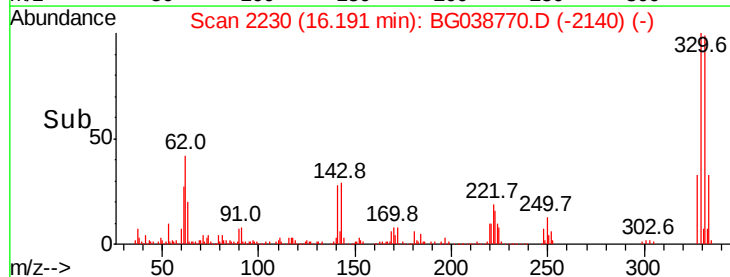
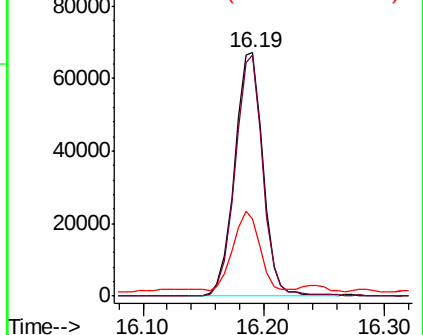
141 31.5 28.8 43.2

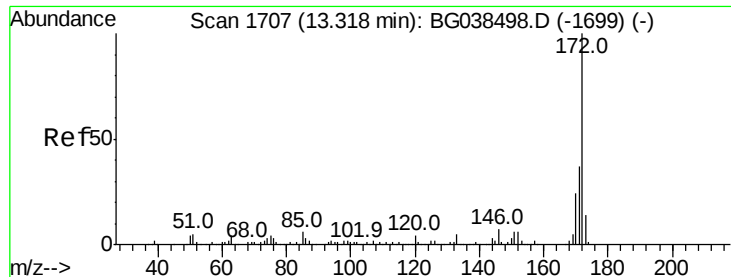


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

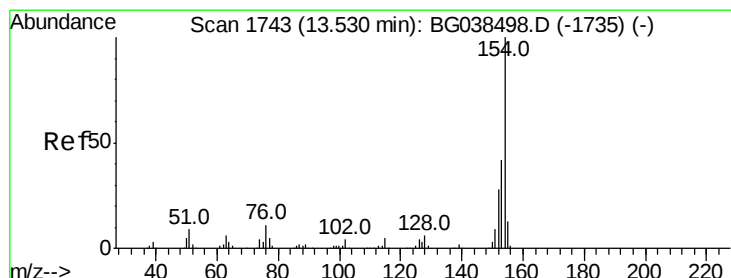
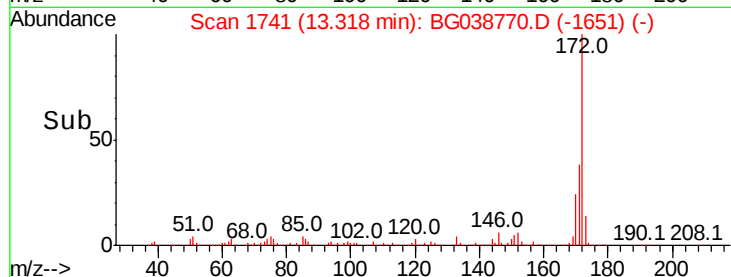
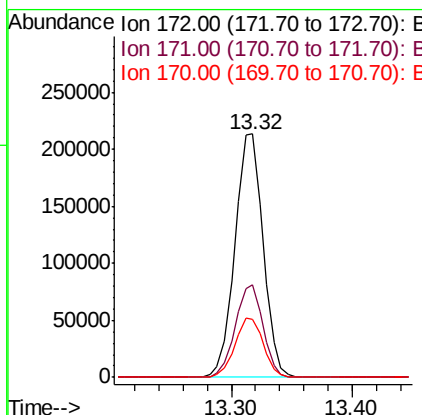
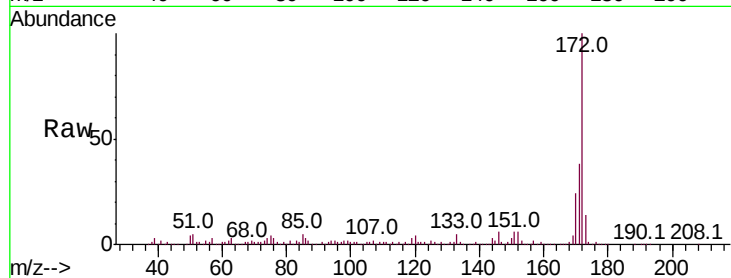




#45
2-Fluorobiphenyl
Concen: 69.745 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.00 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

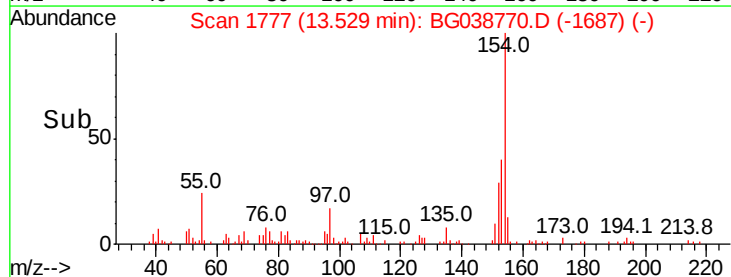
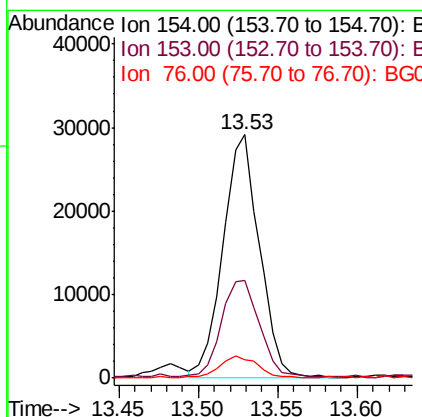
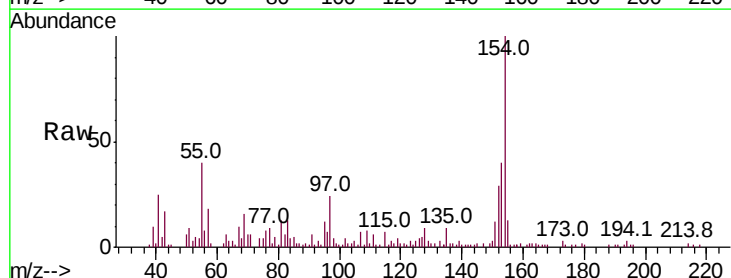
Instrument :
BNA_G
ClientSampleId :
P001-SS013-3036-01

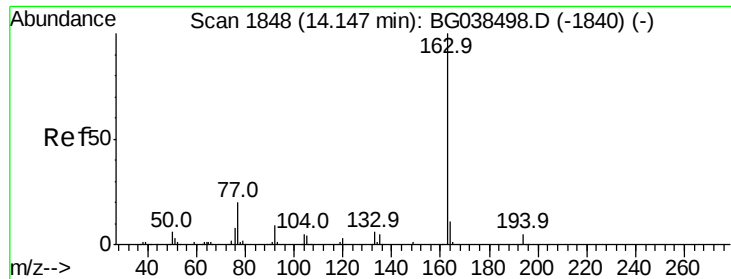
Tot Ion:172 Resp: 347778
Ion Ratio Lower Upper
172 100
171 37.8 29.8 44.6
170 23.9 19.5 29.3



#46
1,1'-Biphenyl
Concen: 8.118 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.00 min
Lab File: BG038770.D
Acq: 20 Dec 2018 20:12

Tgt Ion:154 Resp: 46555
Ion Ratio Lower Upper
154 100
153 40.3 22.1 62.1
76 7.6 0.0 31.2





#50

Dimethylphthalate

Concen: 4.950 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3036-01

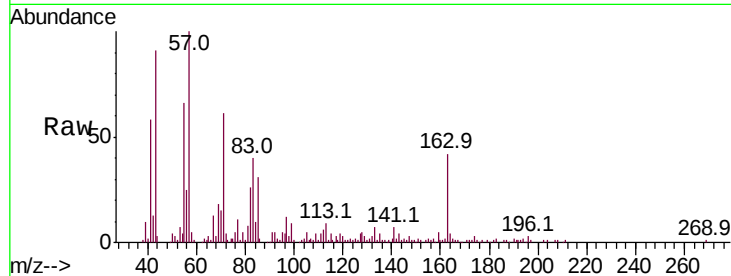
Tot Ion:163 Resp: 27651

Ion Ratio Lower Upper

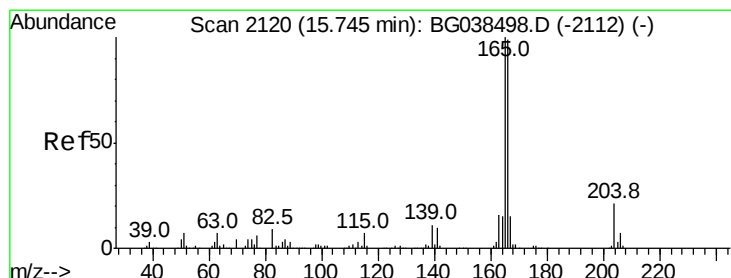
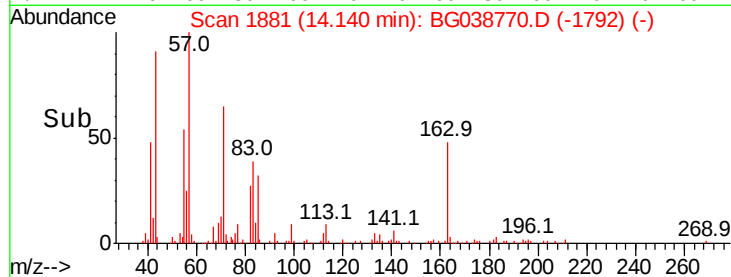
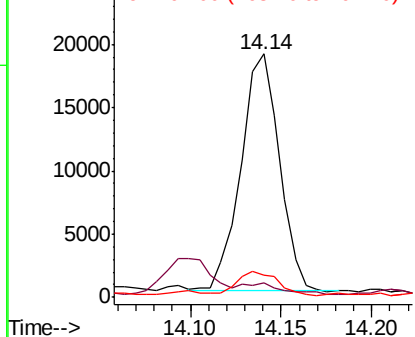
163 100

194 5.9 3.7 5.5#

164 9.0 8.6 12.8



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



#58

Fluorene

Concen: 3.726 ng

RT: 15.74 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

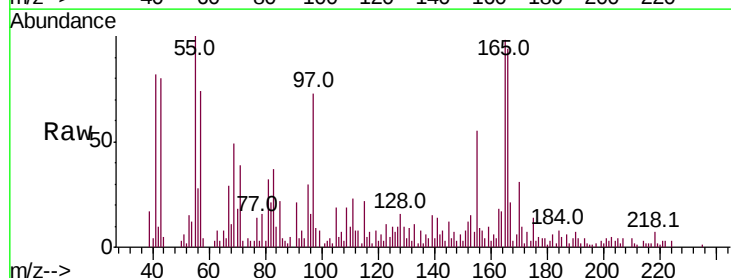
Tgt Ion:166 Resp: 18736

Ion Ratio Lower Upper

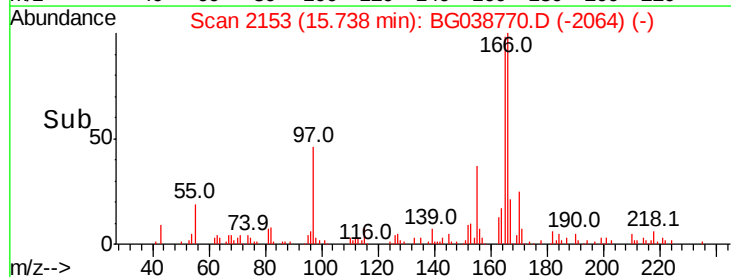
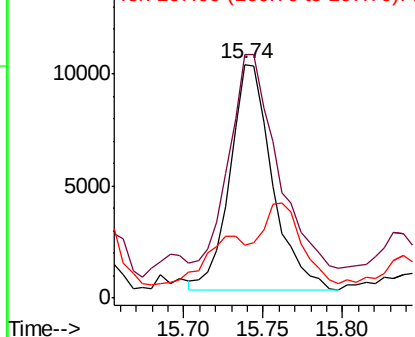
166 100

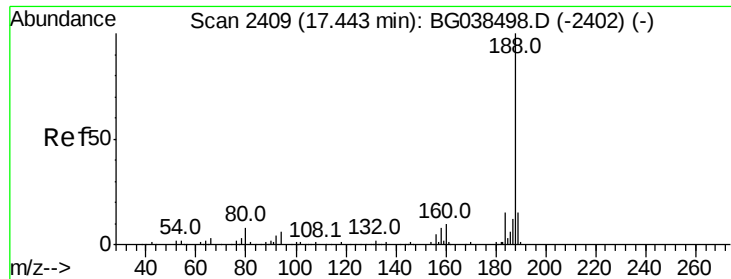
165 104.2 80.6 120.8

167 22.5 12.0 18.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3036-01

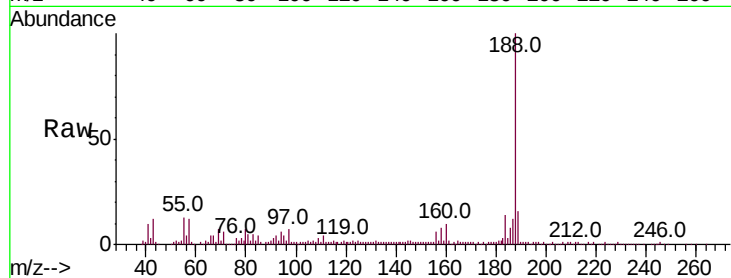
Tot Ion:188 Resp: 149279

Ion Ratio Lower Upper

188 100

94 6.1 5.1 7.7

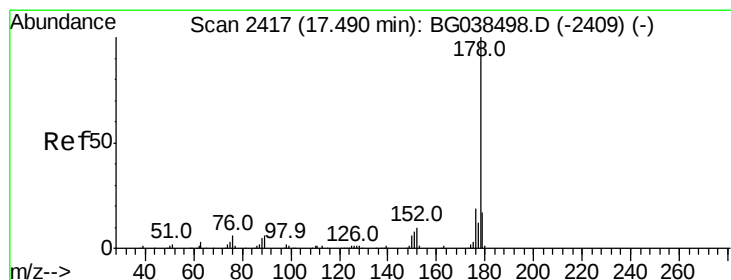
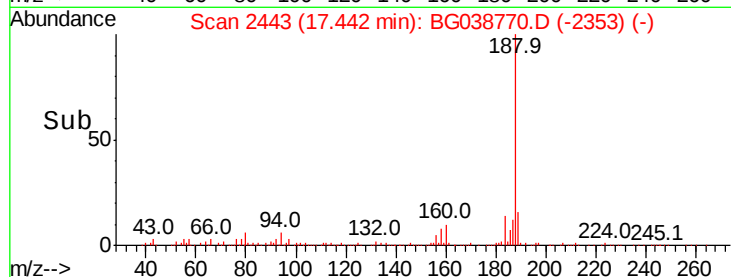
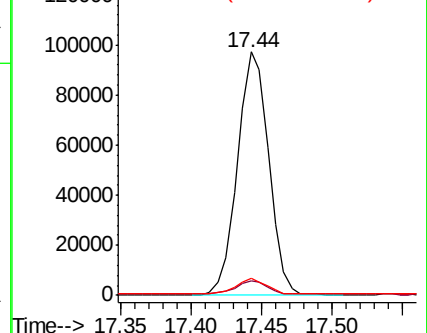
80 7.0 6.1 9.1



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



#71

Phenanthrene

Concen: 12.632 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

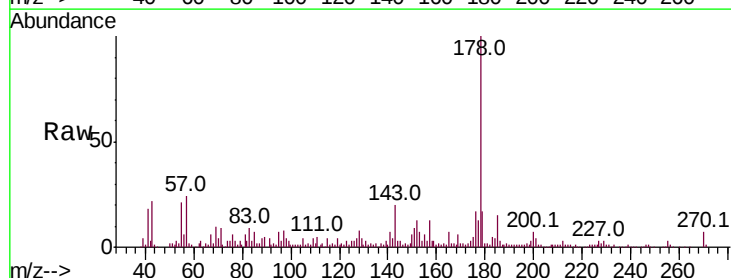
Tgt Ion:178 Resp: 97783

Ion Ratio Lower Upper

178 100

176 16.6 15.1 22.7

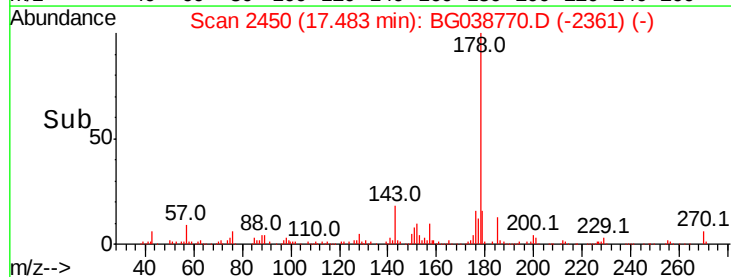
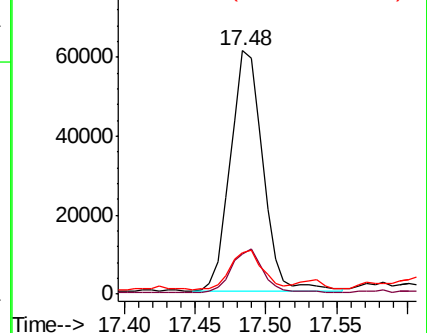
179 17.1 13.2 19.8

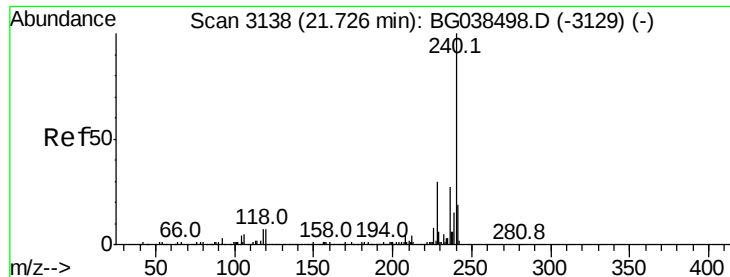


Abundance Ion 178.00 (177.70 to 178.70): E

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: 21.73 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3036-01

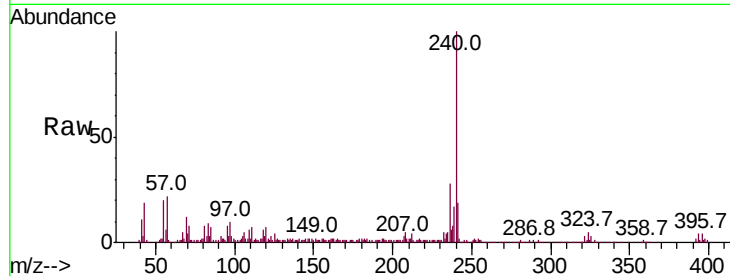
Tot Ion:240 Resp: 157788

Ion Ratio Lower Upper

240 100

120 7.0 5.3 7.9

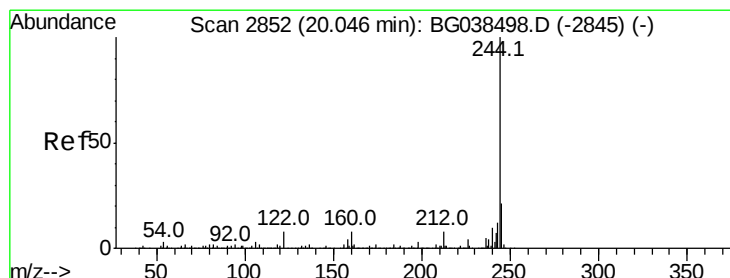
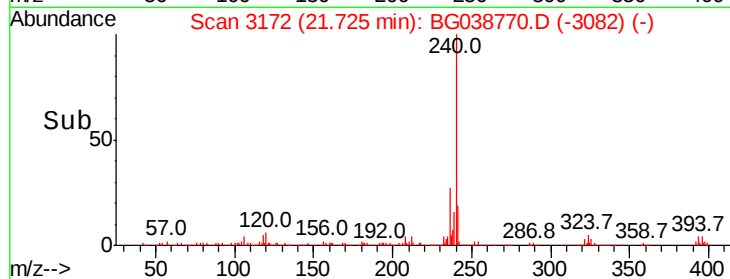
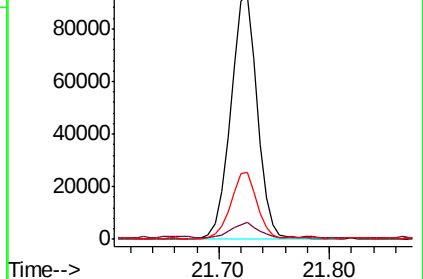
236 27.6 21.4 32.2



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: 76.051 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038770.D

Acq: 20 Dec 2018 20:12

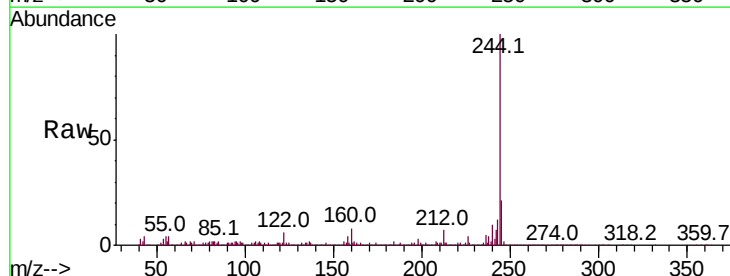
Tgt Ion:244 Resp: 551381

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

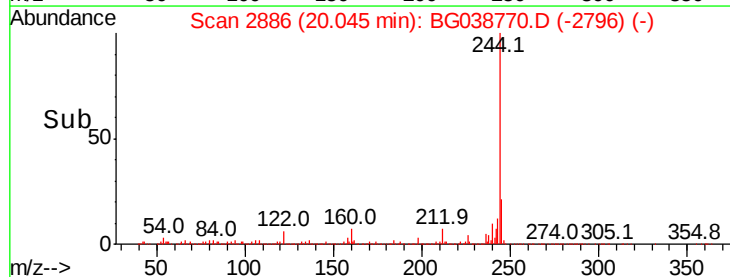
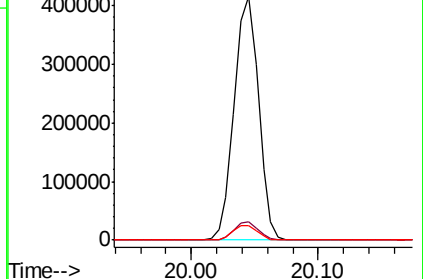
122 6.1 6.3 9.5#

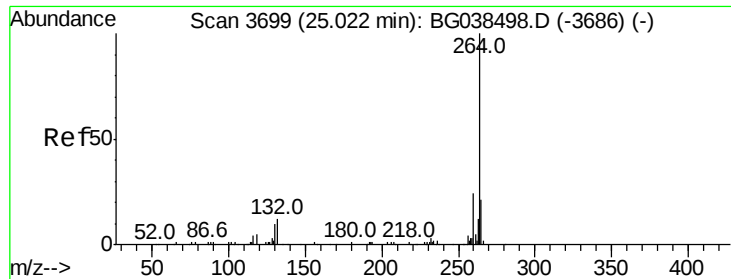


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

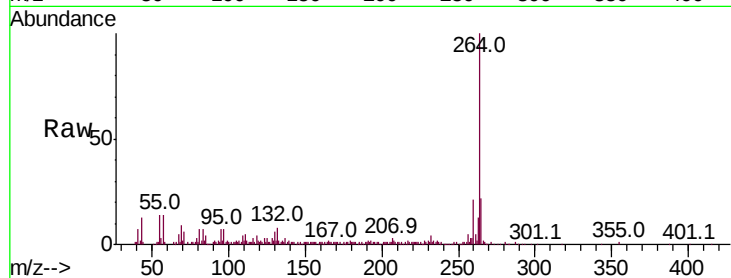




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.03 min Scan# 3734
 Delta R.T. 0.01 min
 Lab File: BG038770.D
 Acq: 20 Dec 2018 20:12

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS013-3036-01

Tot Ion:	264	Resp:	173159
Ion	Ratio	Lower	Upper
264	100		
260	21.1	18.9	28.3
265	21.9	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

