

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122718\
 Data File : BG038850.D
 Acq On : 27 Dec 2018 19:19
 Operator : JU/SJ
 Sample : J6533-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

Quant Time: Dec 28 00:29:32 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	25095	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	110237	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	79231	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	179935	20.00	ng	0.00
76) Chrysene-d12	21.72	240	188991	20.00	ng	-0.01
87) Perylene-d12	25.02	264	204160	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	91234	64.48	ng	0.00
7) Phenol-d6	7.22	99	97776	50.34	ng	0.01
23) Nitrobenzene-d5	9.24	82	159103	73.73	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	154296	141.30	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	432898	74.95	ng	0.00
79) Terphenyl-d14	20.04	244	602981	69.44	ng	0.00

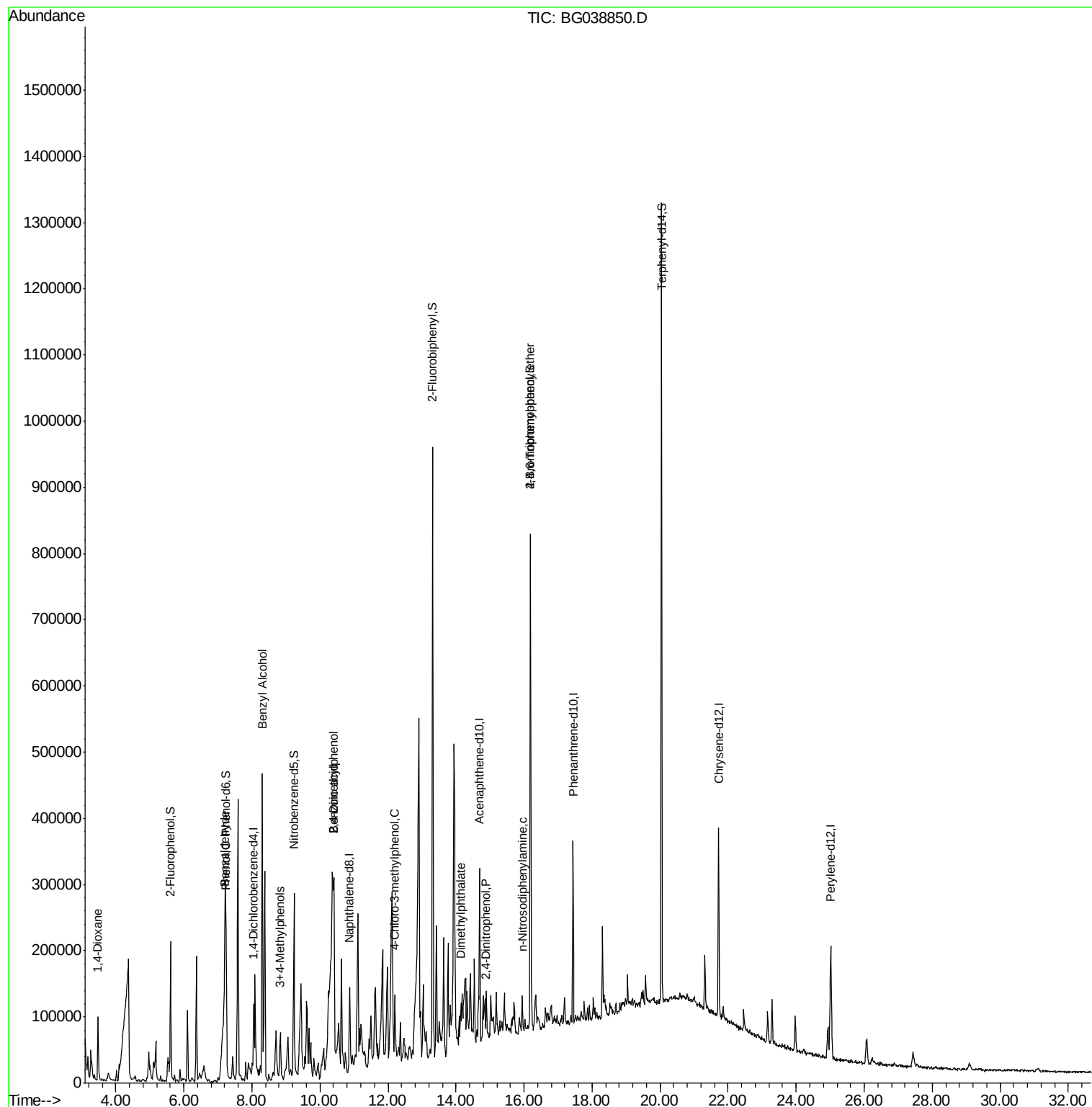
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	6444	9.786	ng	# 1
9) Benzaldehyde	7.20	77	12694	10.074	ng	87
10) Phenol	7.24	94	21552	10.444	ng	99
15) Benzyl Alcohol	8.30	79	144695	95.440	ng	99
20) 3+4-Methylphenols	8.83	107	20054	10.503	ng	97
27) 2,4-Dimethylphenol	10.41	122	345577	215.822	ng	# 1
32) Benzoic acid	10.41	122	345577	277.994	ng	95
36) 4-Chloro-3-methylphenol	12.20	107	14909	7.334	ng	# 22
50) Dimethylphthalate	14.14	163	40224	6.217	ng	97
54) 2,4-Dinitrophenol	14.87	184	58	5.244	ng	# 1
66) n-Nitrosodiphenylamine	15.95	169	16029	3.032	ng	97
67) 4-Bromophenyl-phenylether	16.19	248	9927	4.517	ng	# 1

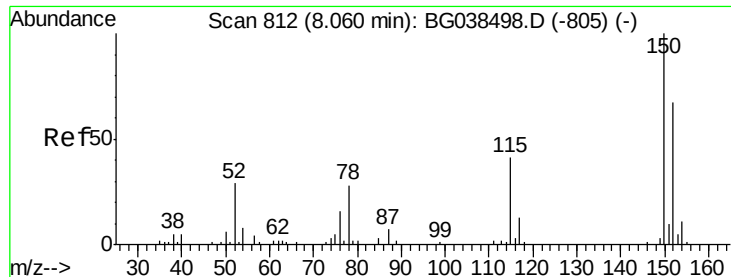
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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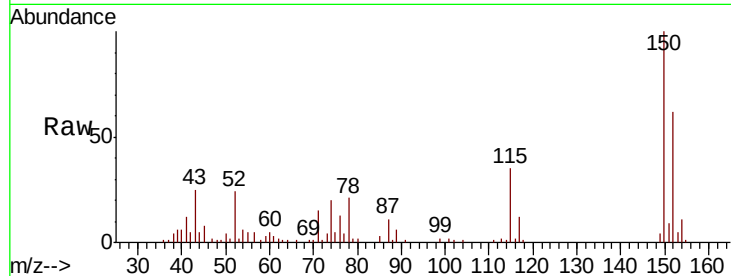


#1

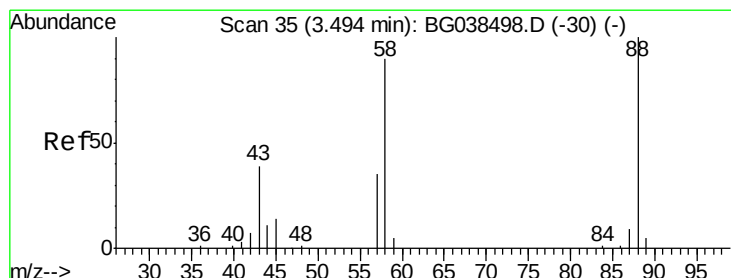
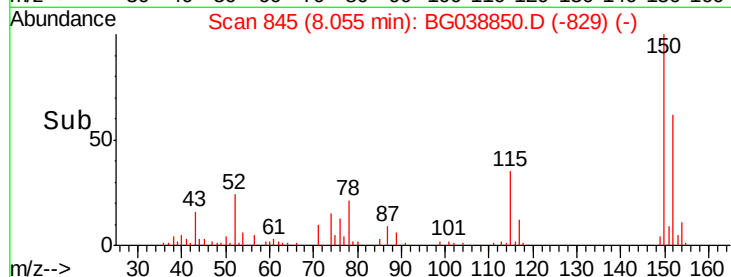
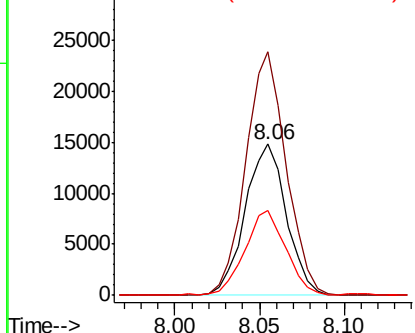
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

Instrument :
BNA_G
ClientSampleId :
COMP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	119.5	179.3
115	56.1	49.6	74.4



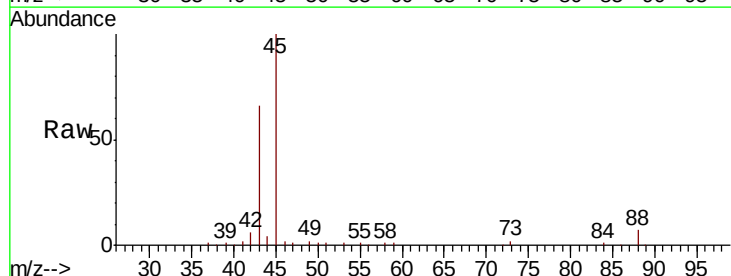
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



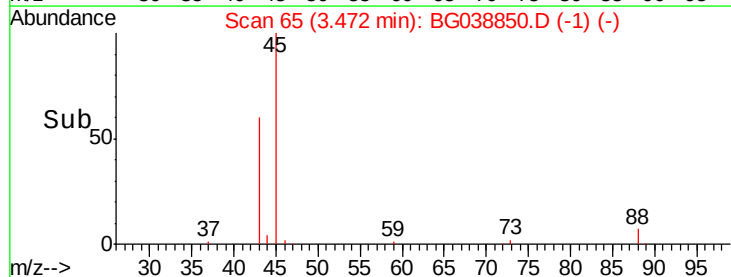
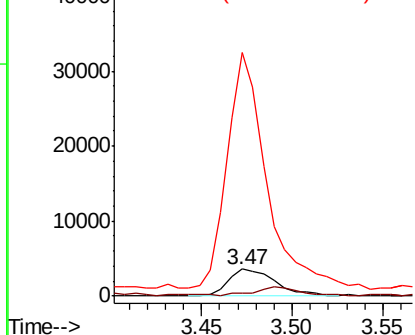
#2

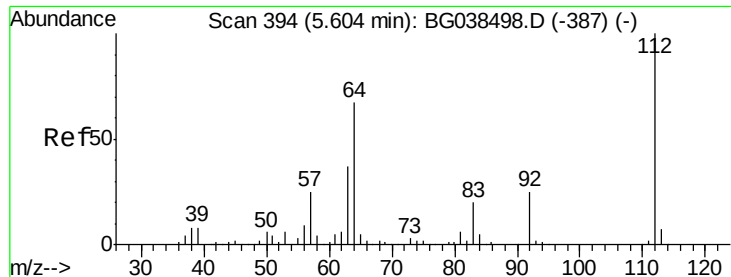
1,4-Dioxane
Concen: 9.786 ng
RT: 3.47 min Scan# 65
Delta R.T. -0.02 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	35.1	75.7	113.5#
43	746.3	31.6	47.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 64.482 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

Instrument :

BNA_G

ClientSampleId :

COMP-4

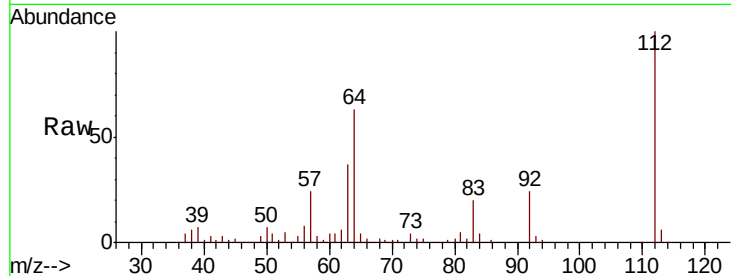
Tot Ion:112 Resp: 91234

Ion Ratio Lower Upper

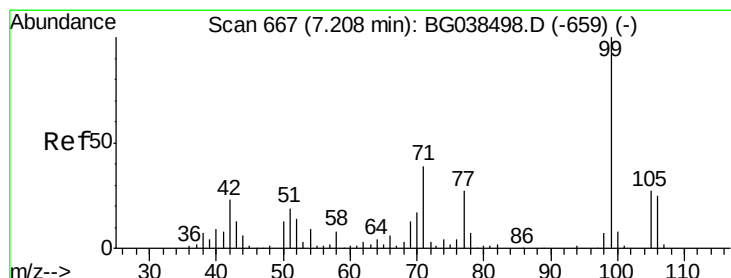
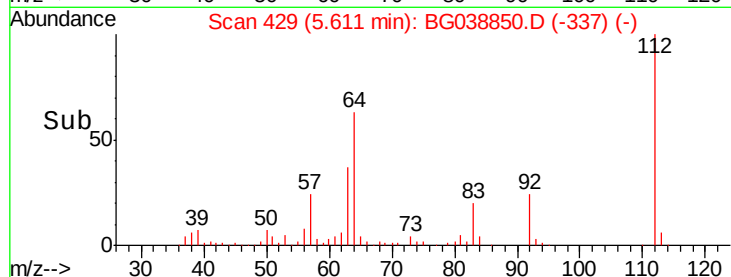
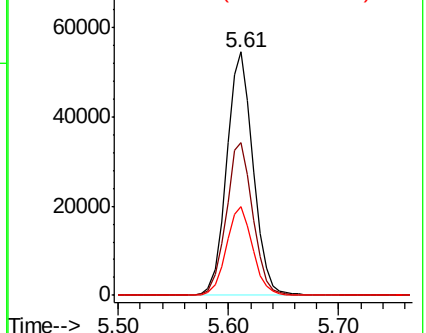
112 100

64 62.8 53.4 80.2

63 36.7 29.3 43.9



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



#7

Phenol-d6

Concen: 50.339 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

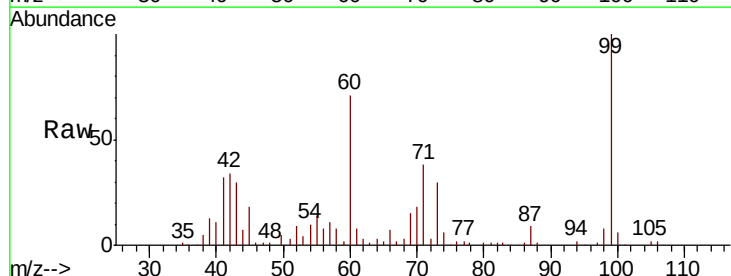
Tgt Ion: 99 Resp: 97776

Ion Ratio Lower Upper

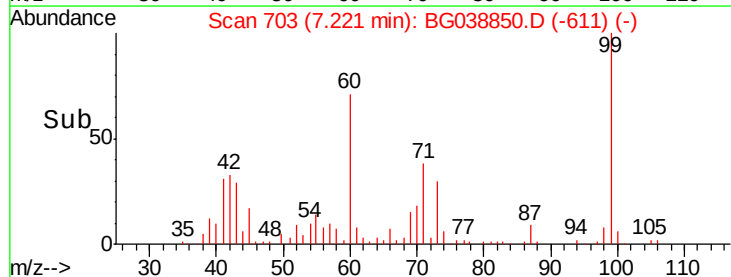
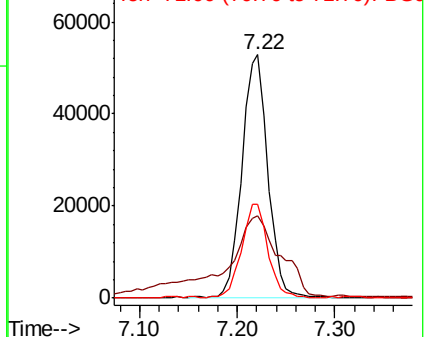
99 100

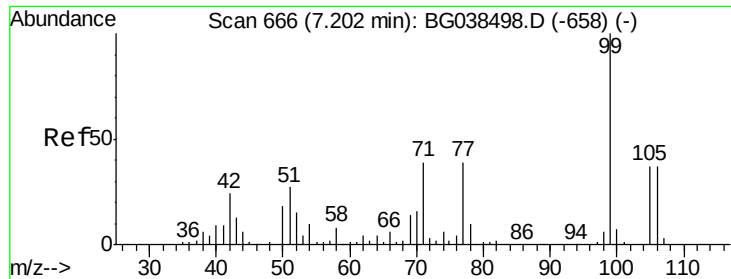
42 33.6 18.5 27.7#

71 38.4 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





#9

Benzaldehyde

Concen: 10.074 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

Instrument :

BNA_G

ClientSampled :

COMP-4

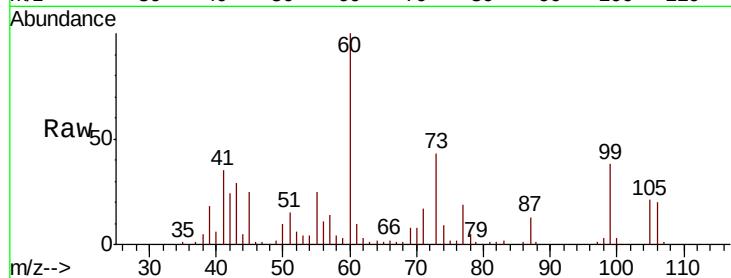
Tot Ion: 77 Resp: 12694

Ion Ratio Lower Upper

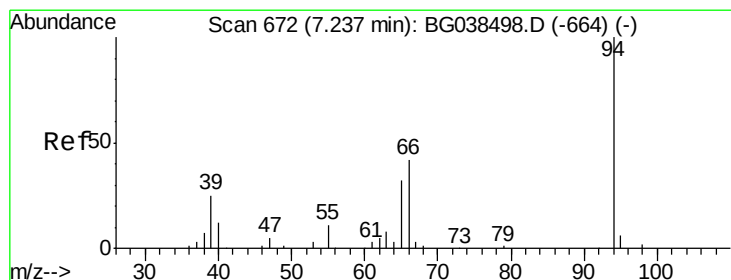
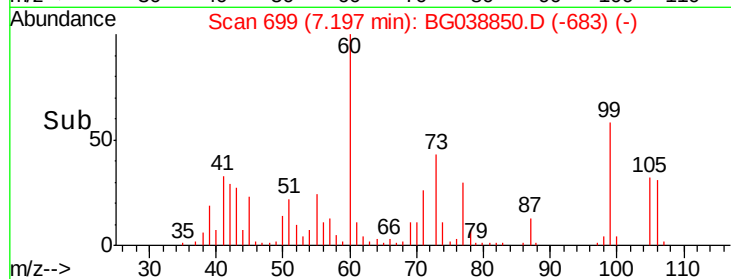
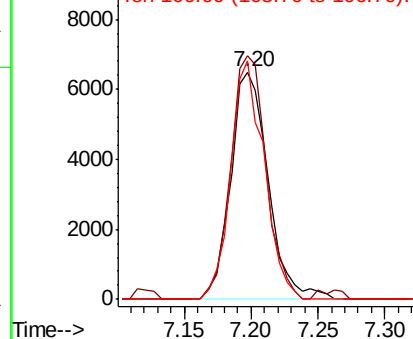
77 100

105 107.1 74.0 114.0

106 105.1 73.9 113.9



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 10.444 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

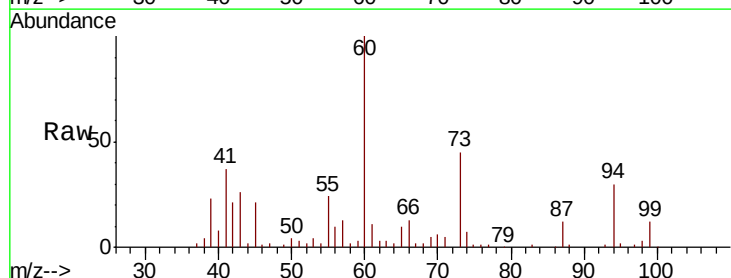
Tgt Ion: 94 Resp: 21552

Ion Ratio Lower Upper

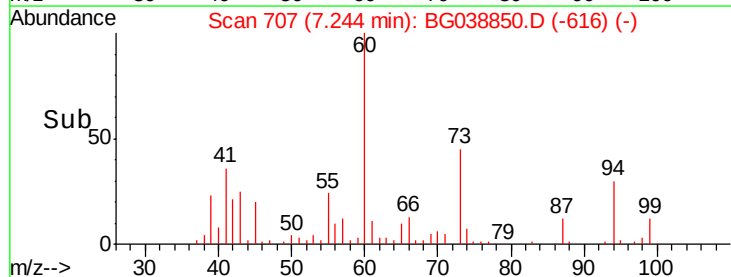
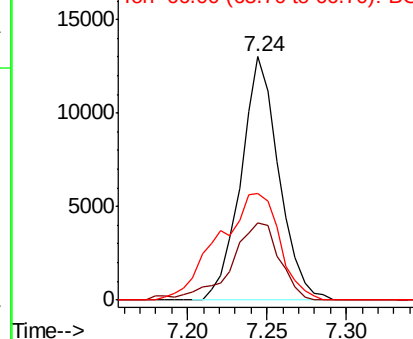
94 100

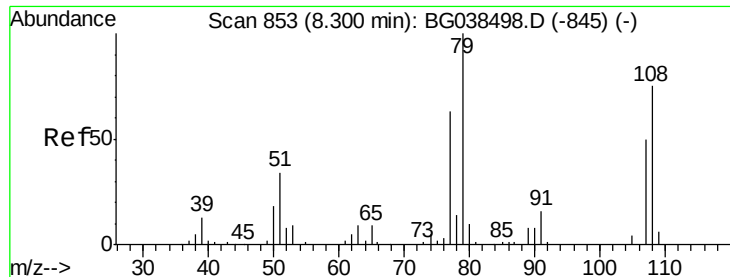
65 32.0 12.6 52.6

66 43.7 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





#15

Benzyl Alcohol

Concen: 95.440 ng

RT: 8.30 min Scan# 887

Delta R.T. 0.00 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

Instrument :

BNA_G

ClientSampled :

COMP-4

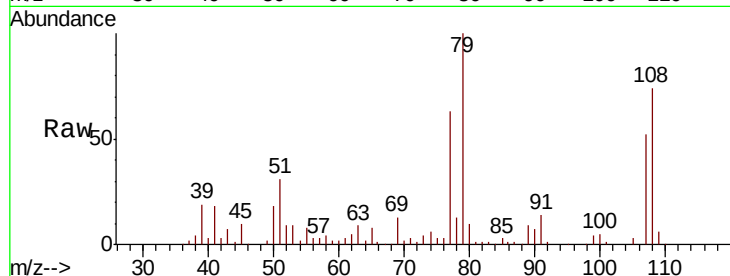
Tot Ion: 79 Resp: 144695

Ion Ratio Lower Upper

79 100

108 73.9 60.2 90.4

77 63.3 50.7 76.1

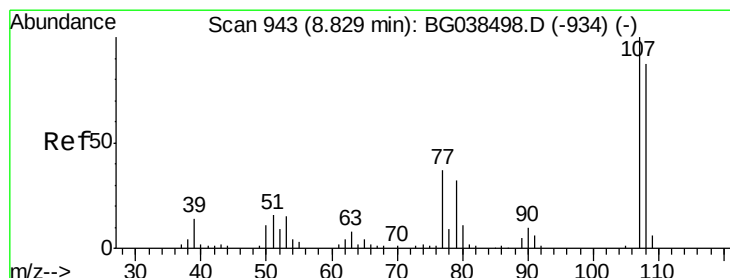
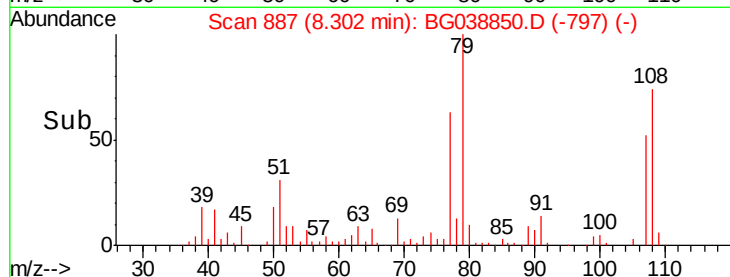
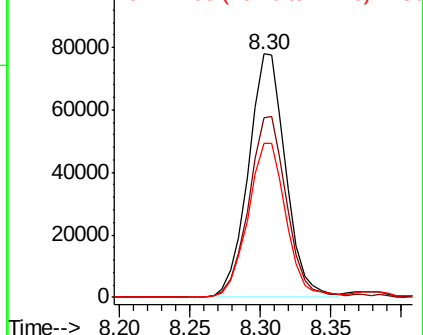


Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#20

3+4-Methylphenols

Concen: 10.503 ng

RT: 8.83 min Scan# 977

Delta R.T. 0.00 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

Tgt Ion: 107 Resp: 20054

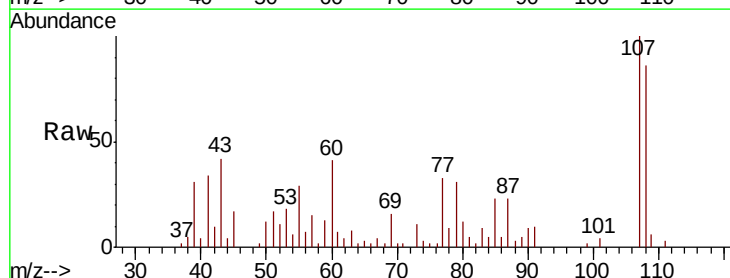
Ion Ratio Lower Upper

107 100

108 85.5 66.7 106.7

77 32.9 17.3 57.3

79 31.1 12.3 52.3



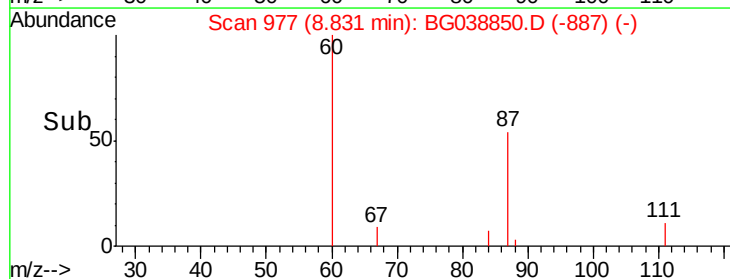
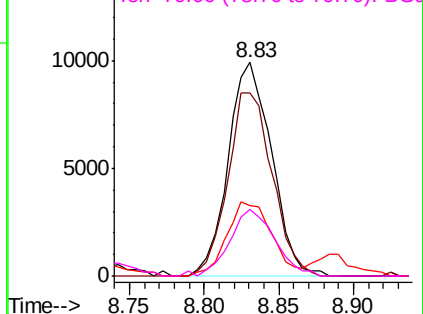
Abundance

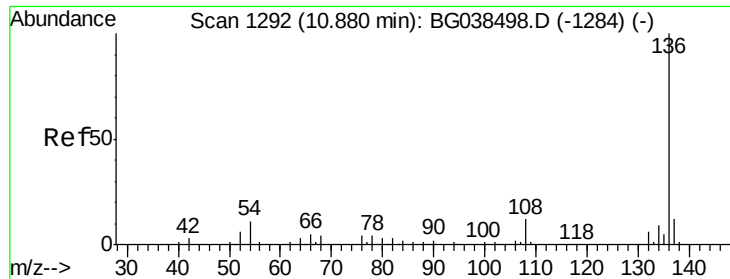
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

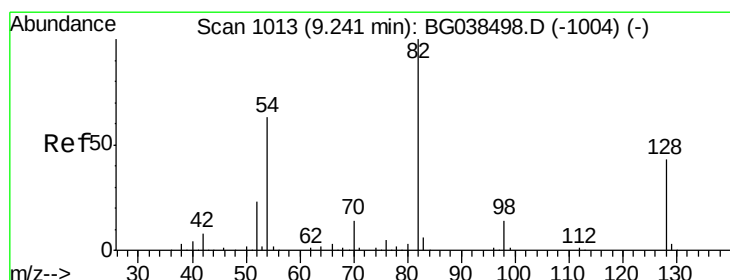
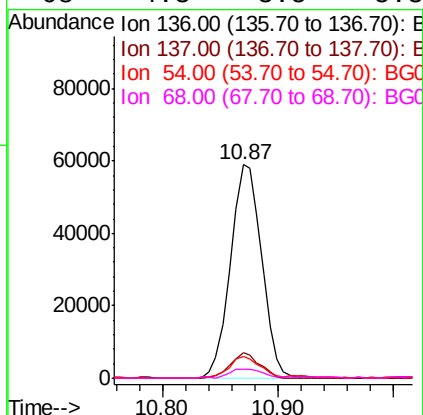
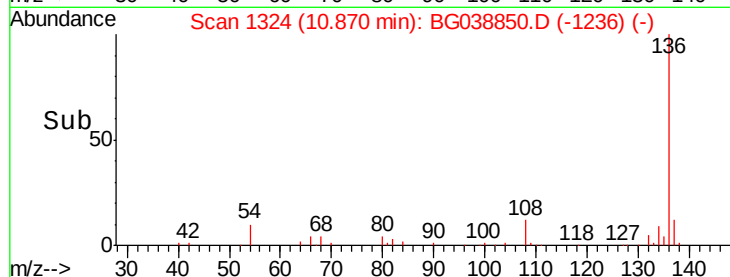
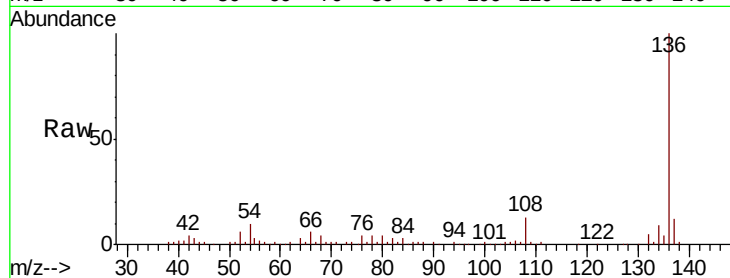




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

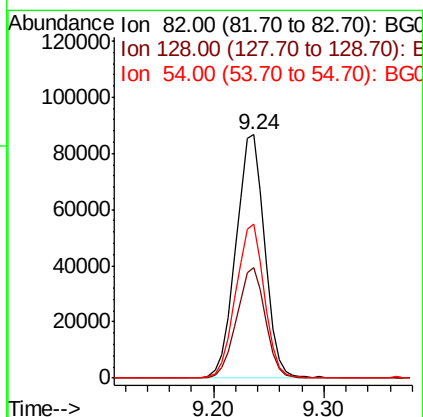
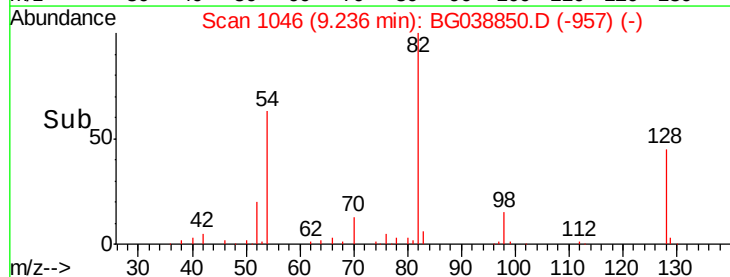
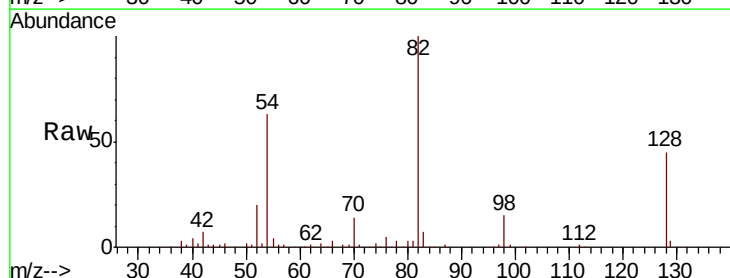
Instrument :
BNA_G
ClientSampleId :
COMP-4

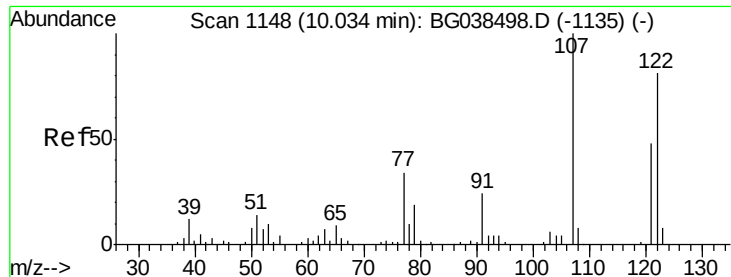
Tot Ion:136	Resp:	110237
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.3 13.9
54	10.2	8.5 12.7
68	4.3	3.5 5.3



#23
Nitrobenzene-d5
Concen: 73.733 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

Tgt Ion: 82	Resp:	159103
Ion	Ratio	Lower Upper
82	100	
128	45.2	34.6 52.0
54	63.0	50.6 76.0

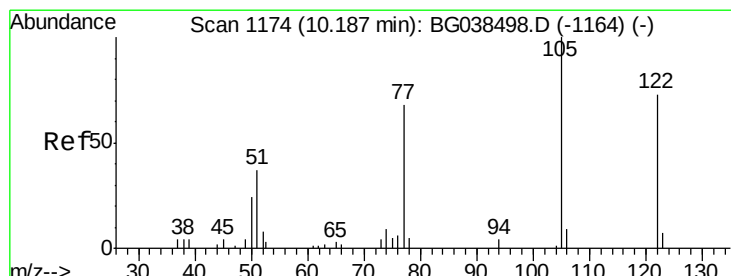
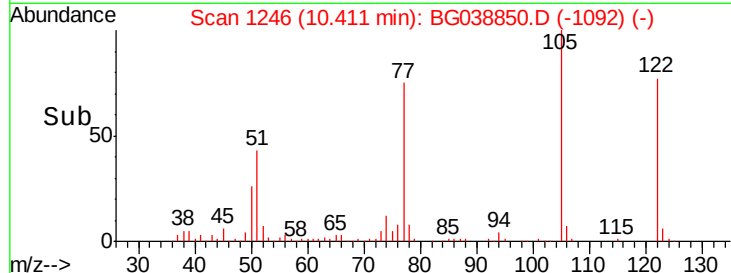
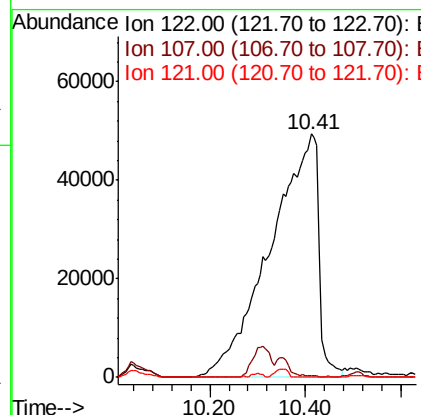
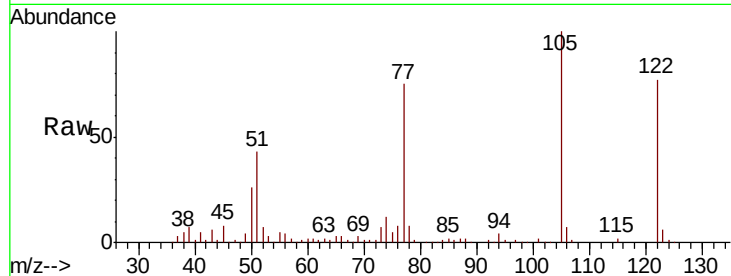




#27
 2,4-Dimethylphenol
 Concen: 215.822 ng
 RT: 10.41 min Scan# 1246
 Delta R.T. 0.38 min
 Lab File: BG038850.D
 Acq: 27 Dec 2018 19:19

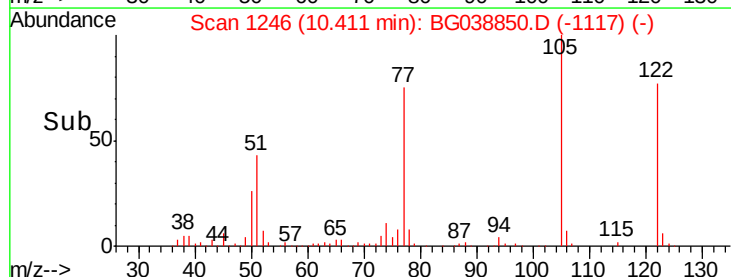
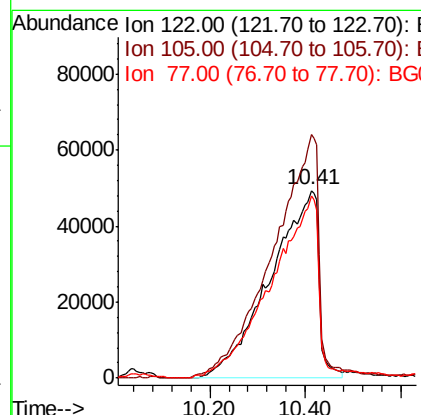
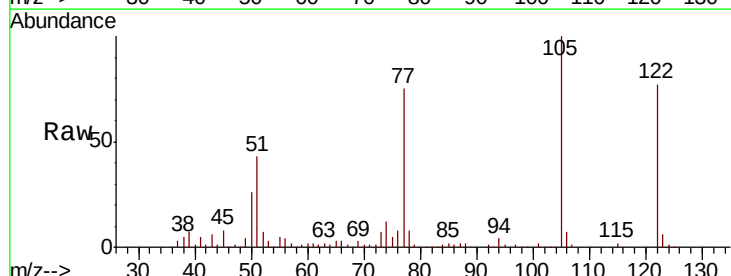
Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

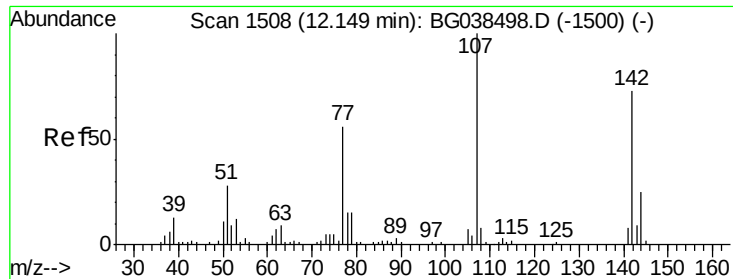
Tot Ion:	122	Resp:	345577
Ion	Ratio	Lower	Upper
122	100		
107	0.9	98.4	147.6#
121	0.0	47.2	70.8#



#32
 Benzoic acid
 Concen: 277.994 ng
 RT: 10.41 min Scan# 1246
 Delta R.T. 0.23 min
 Lab File: BG038850.D
 Acq: 27 Dec 2018 19:19

Tgt Ion:	122	Resp:	345577
Ion	Ratio	Lower	Upper
122	100		
105	129.7	116.7	156.7
77	97.3	72.5	112.5

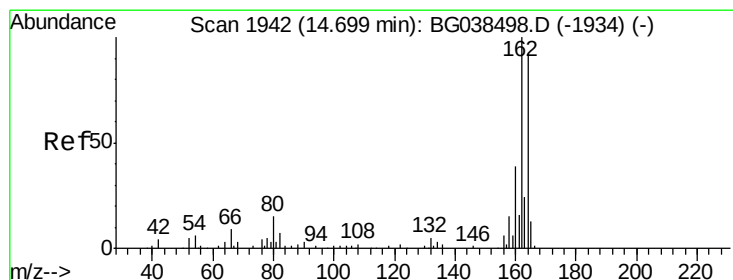
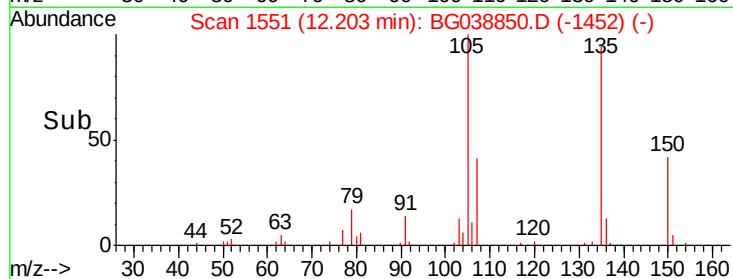
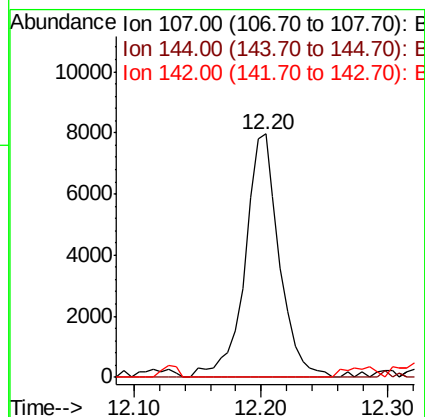
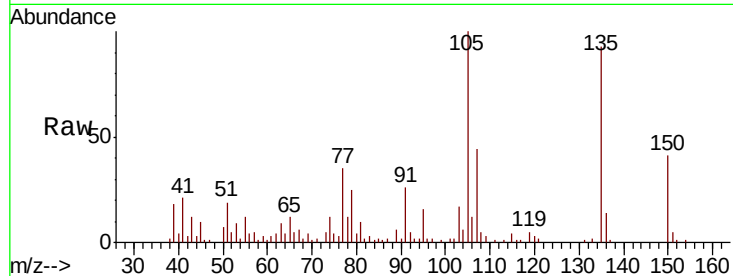




#36
4-Chloro-3-methylphenol
Concen: 7.334 ng
RT: 12.20 min Scan# 1551
Delta R.T. 0.05 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

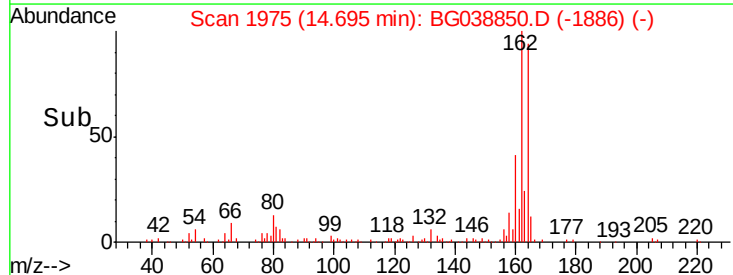
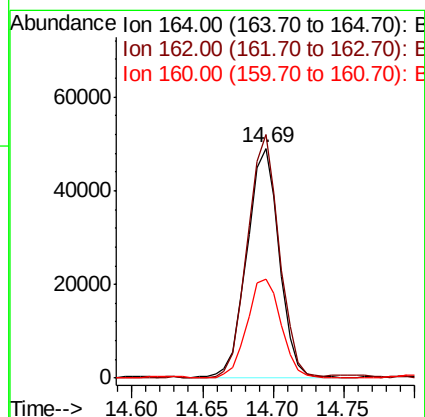
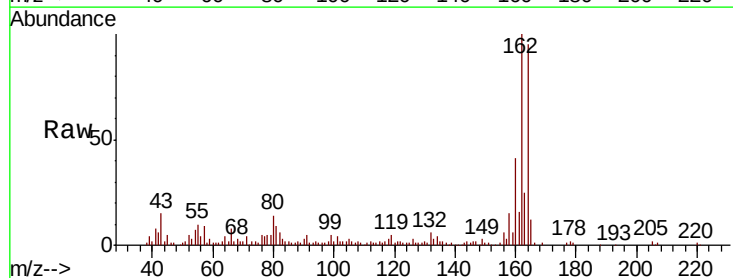
Instrument :
BNA_G
ClientSampleId :
COMP-4

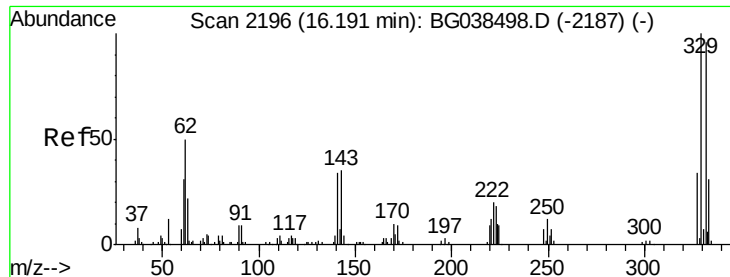
Tot Ion:107 Resp: 14909
Ion Ratio Lower Upper
107 100
144 0.0 20.1 30.1#
142 0.0 58.7 88.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

Tgt Ion:164 Resp: 79231
Ion Ratio Lower Upper
164 100
162 105.8 86.6 130.0
160 42.9 34.2 51.2

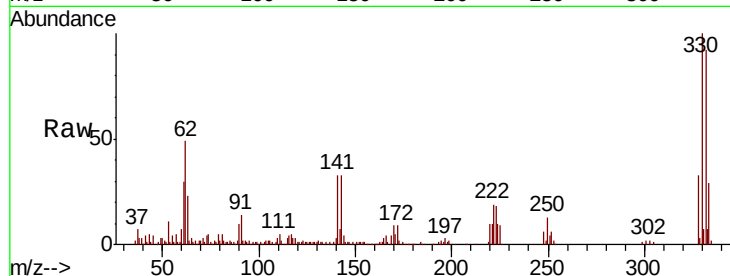




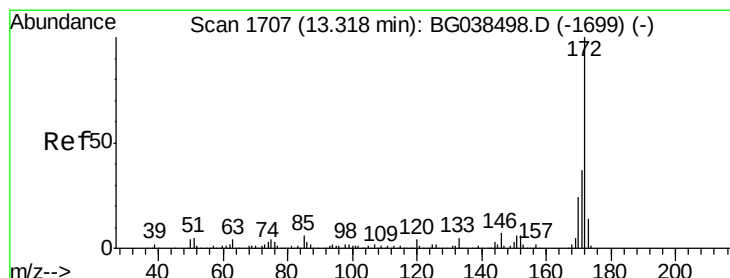
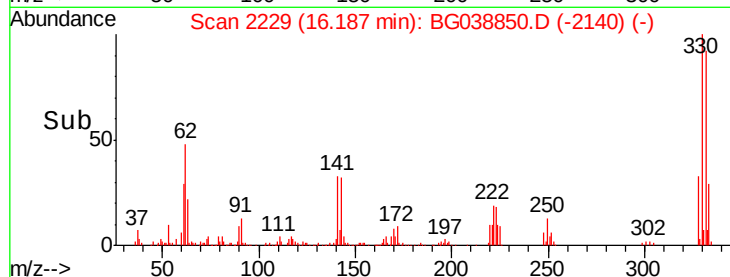
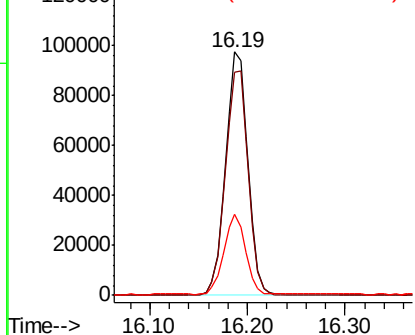
#42
 2,4,6-Tribromophenol
 Concen: 141.304 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG038850.D
 Acq: 27 Dec 2018 19:19

Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.9	115.3
141	31.7	28.8	43.2

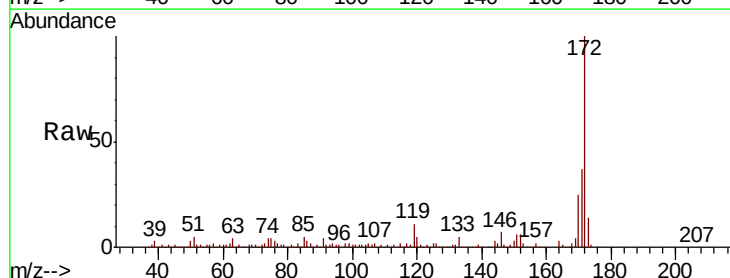


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

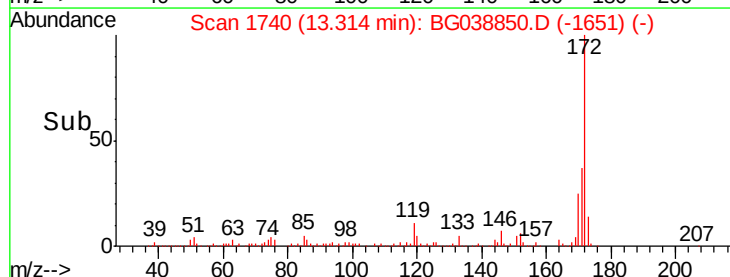
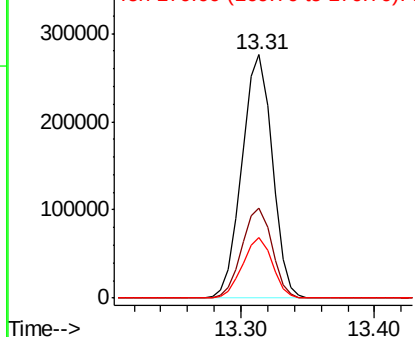


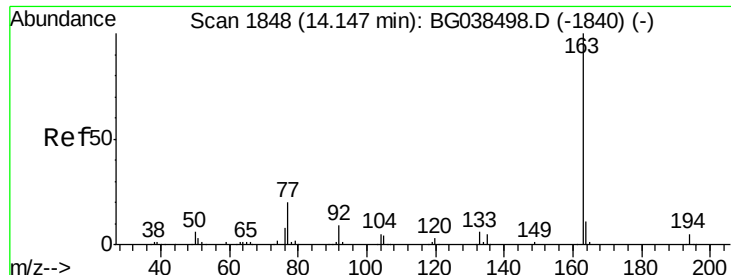
#45
 2-Fluorobiphenyl
 Concen: 74.954 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038850.D
 Acq: 27 Dec 2018 19:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.7	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

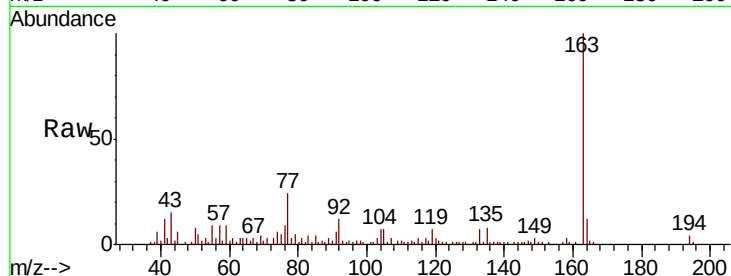




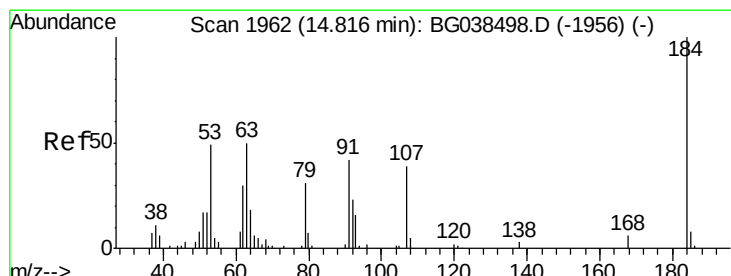
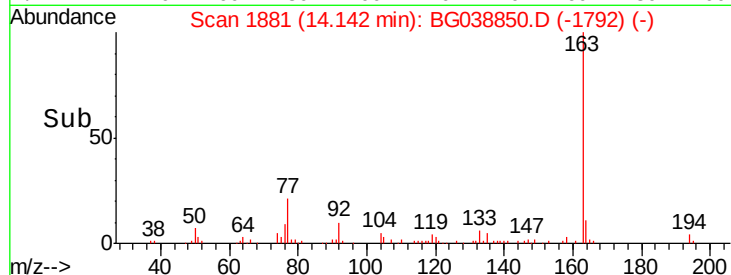
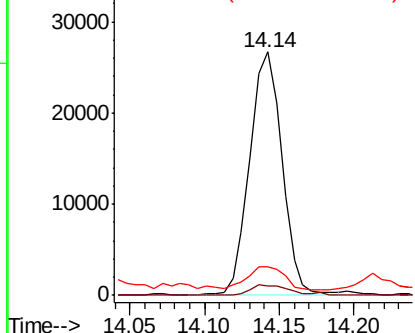
#50
Dimethylphthalate
Concen: 6.217 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

Instrument :
BNA_G
ClientSampleId :
COMP-4

Tot Ion:163 Resp: 40224
Ion Ratio Lower Upper
163 100
194 3.9 3.7 5.5
164 11.9 8.6 12.8

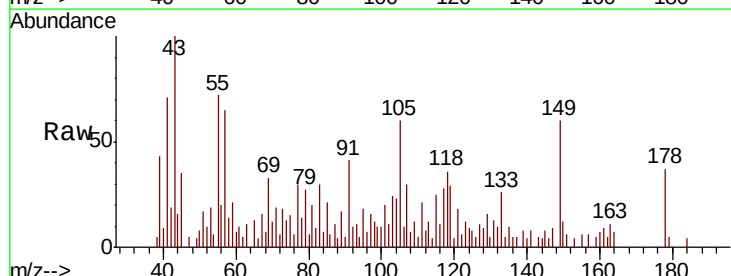


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

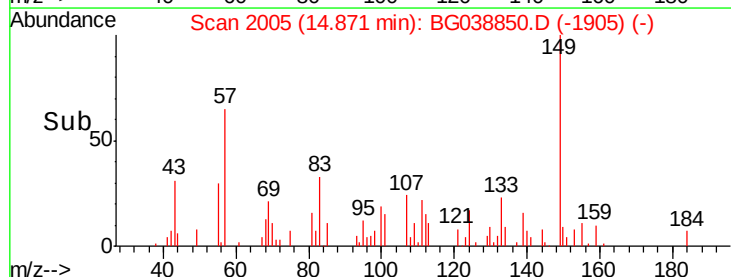
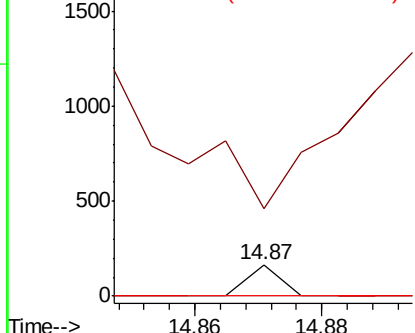


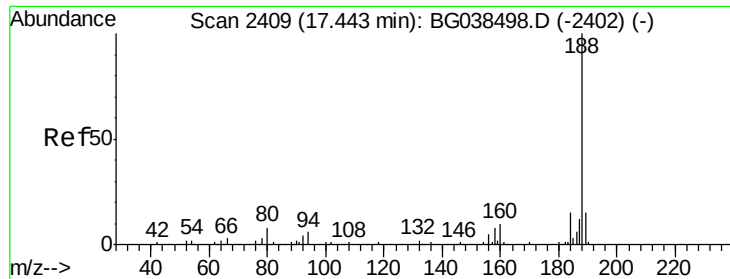
#54
2,4-Dinitrophenol
Concen: 5.244 ng
RT: 14.87 min Scan# 2005
Delta R.T. 0.05 min
Lab File: BG038850.D
Acq: 27 Dec 2018 19:19

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 279.4 47.0 70.6#
154 0.0 50.3 75.5#



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: 17.44 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

Instrument :

BNA_G

ClientSampleId :

COMP-4

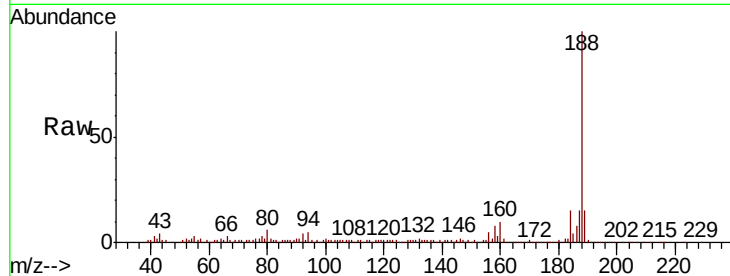
Tot Ion:188 Resp: 179935

Ion Ratio Lower Upper

188 100

94 5.4 5.1 7.7

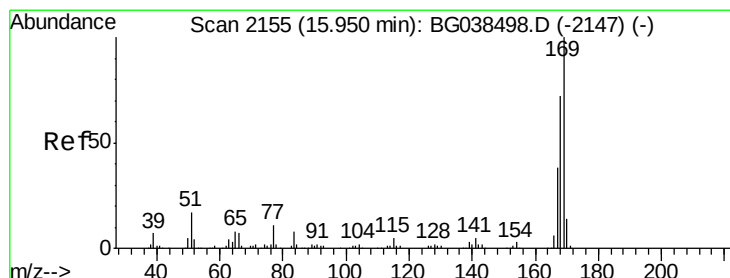
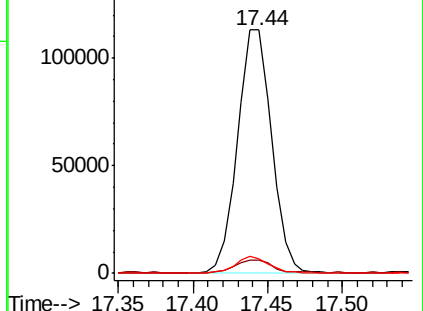
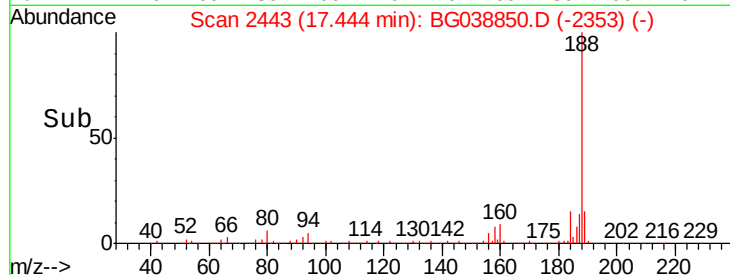
80 6.2 6.1 9.1



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



#66

n-Nitrosodiphenylamine

Concen: 3.032 ng

RT: 15.95 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

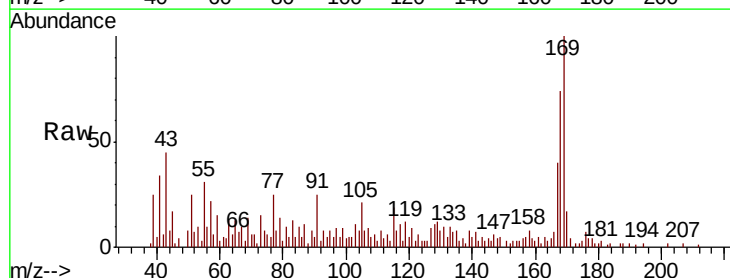
Tgt Ion:169 Resp: 16029

Ion Ratio Lower Upper

169 100

168 73.8 57.5 86.3

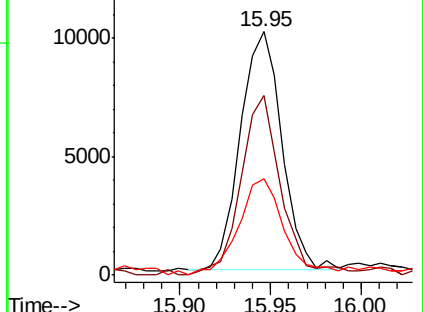
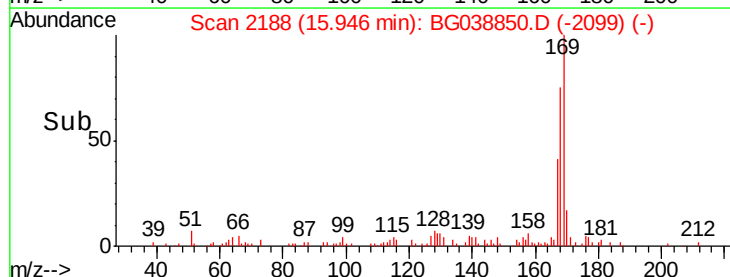
167 39.8 30.2 45.2

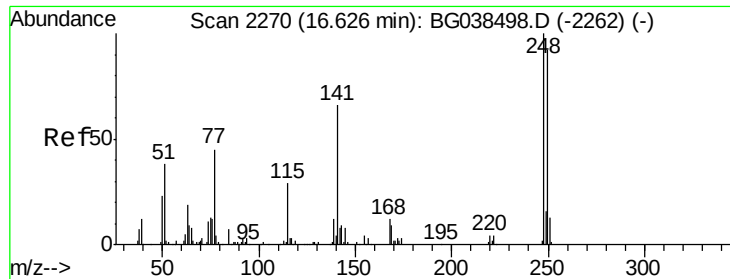


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

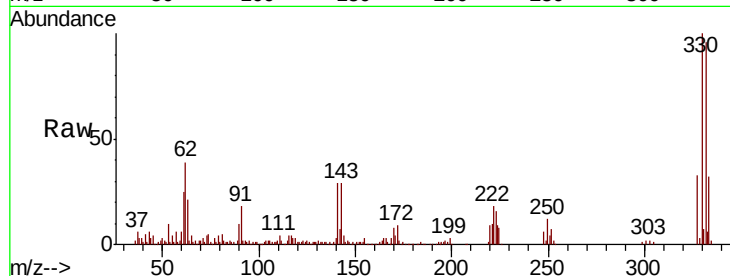




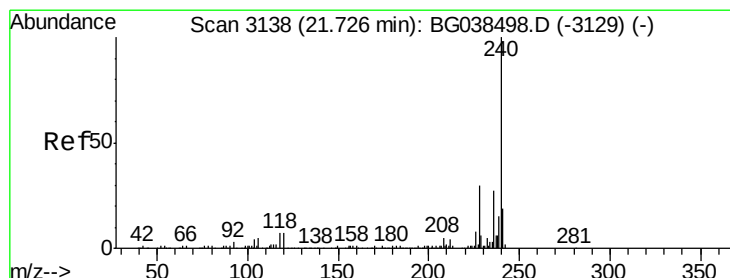
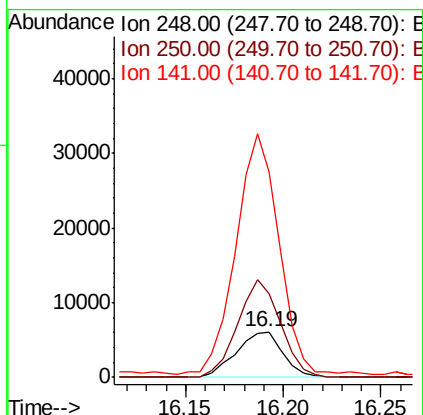
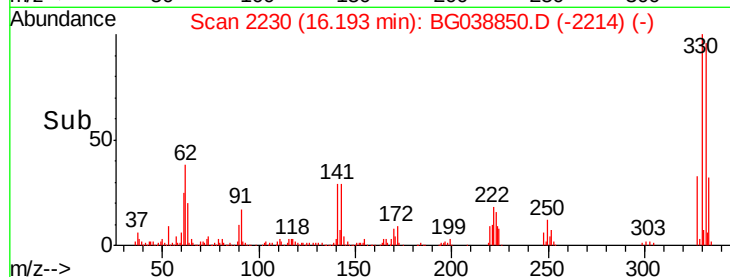
#67
 4-Bromophenyl-phenylether
 Concen: 4.517 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.43 min
 Lab File: BG038850.D
 Acq: 27 Dec 2018 19:19

Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

Tot Ion:248 Resp: 9927
 Ion Ratio Lower Upper
 248 100
 250 189.8 73.4 110.2#
 141 355.9 52.9 79.3#

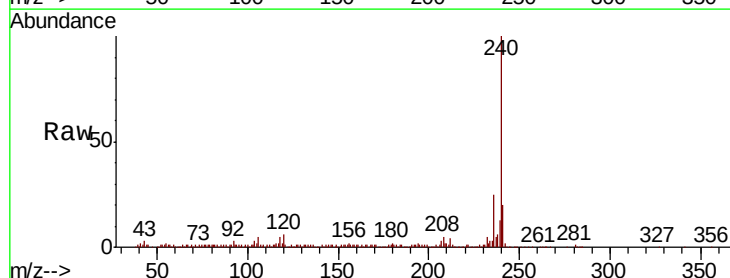


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

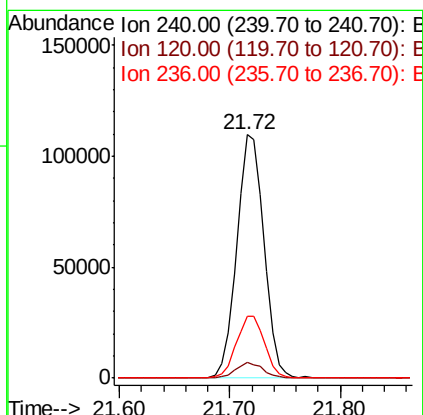
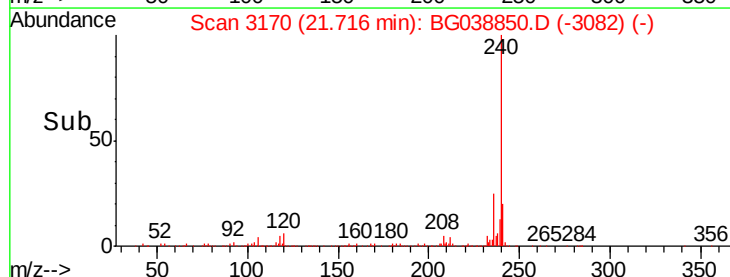


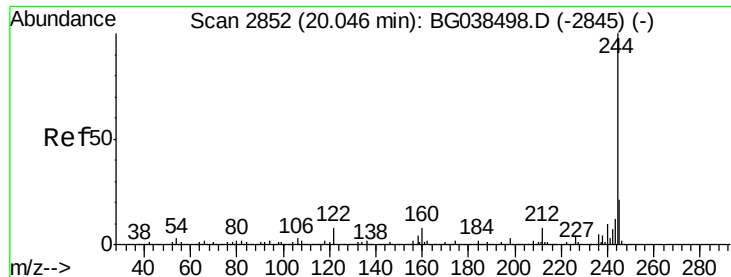
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038850.D
 Acq: 27 Dec 2018 19:19

Tgt Ion:240 Resp: 188991
 Ion Ratio Lower Upper
 240 100
 120 6.2 5.3 7.9
 236 25.4 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: 69.436 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

Instrument :

BNA_G

ClientSampleId :

COMP-4

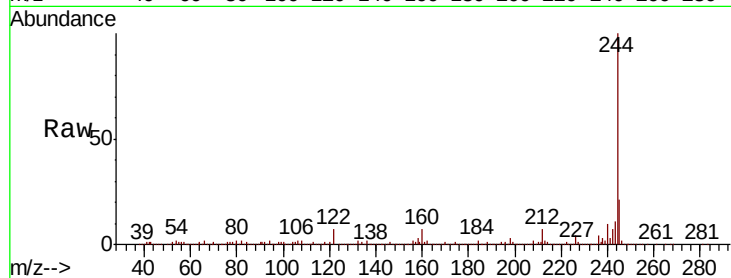
Tot Ion:244 Resp: 602981

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

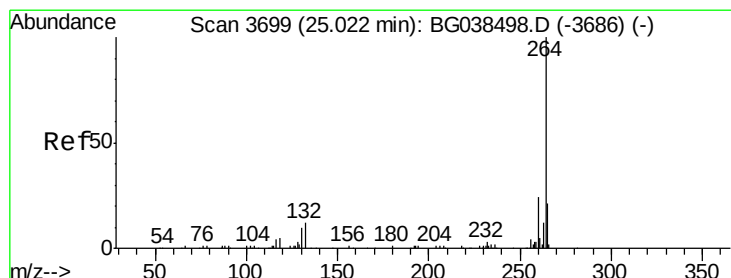
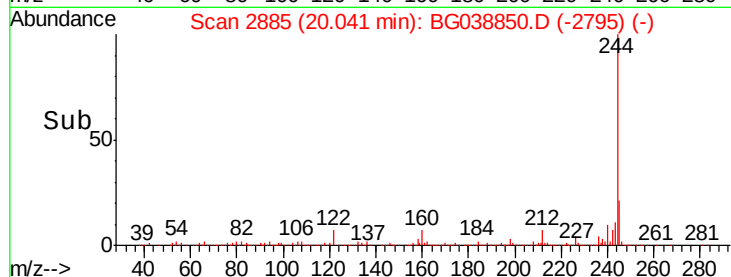
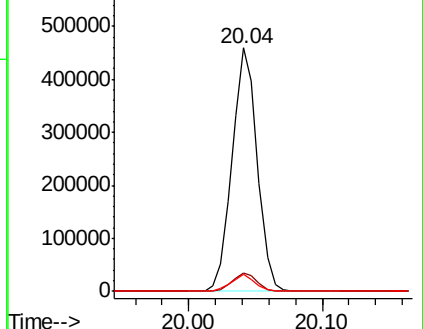
122 6.8 6.3 9.5



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. -0.00 min

Lab File: BG038850.D

Acq: 27 Dec 2018 19:19

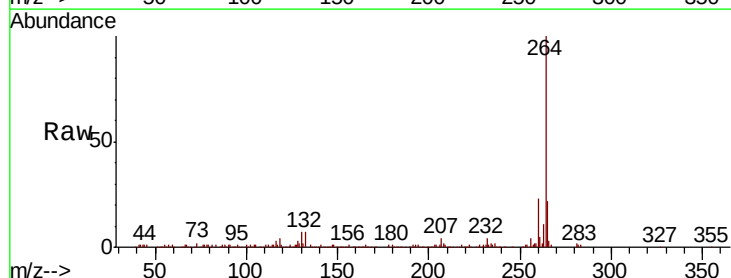
Tgt Ion:264 Resp: 204160

Ion Ratio Lower Upper

264 100

260 23.0 18.9 28.3

265 22.2 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

