

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\
 Data File : BG038768.D
 Acq On : 20 Dec 2018 18:52
 Operator : JU/SJ
 Sample : J6426-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS013-3638-01

Quant Time: Dec 21 00:44:10 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

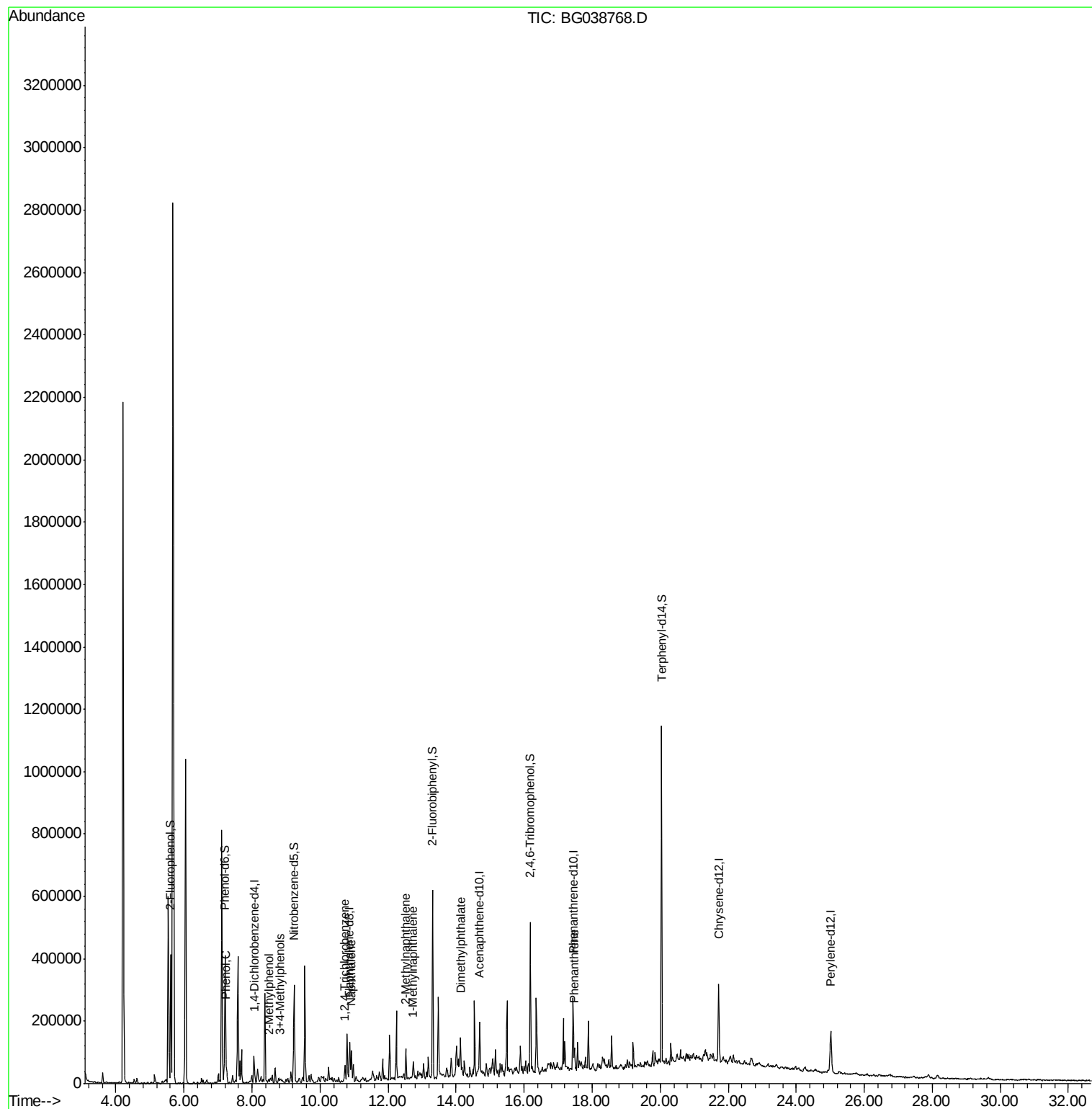
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	24036	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	93335	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	61409	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	144694	20.00	ng	0.00
76) Chrysene-d12	21.72	240	152320	20.00	ng	0.00
87) Perylene-d12	25.02	264	166774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	168248	124.15	ng	0.00
7) Phenol-d6	7.21	99	228376	122.76	ng	0.00
23) Nitrobenzene-d5	9.23	82	142074	77.76	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	102048	120.58	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	312589	69.83	ng	0.00
79) Terphenyl-d14	20.04	244	545068	77.88	ng	0.00
Target Compounds						
10) Phenol	7.24	94	18670	9.446	ng	95
17) 2-Methylphenol	8.49	107	3596	2.716	ng	98
20) 3+4-Methylphenols	8.83	107	4302	2.352	ng	91
30) 1,2,4-Trichlorobenzene	10.73	180	15928	8.743	ng	91
31) Naphthalene	10.93	128	76756	16.691	ng	97
37) 2-Methylnaphthalene	12.52	142	46095	14.050	ng	98
38) 1-Methylnaphthalene	12.74	142	26872	8.441	ng	96
50) Dimethylphthalate	14.13	163	38005	7.578	ng	97
71) Phenanthrene	17.48	178	21727	2.896	ng	# 95

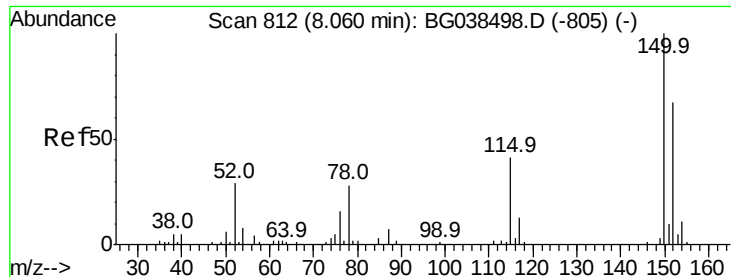
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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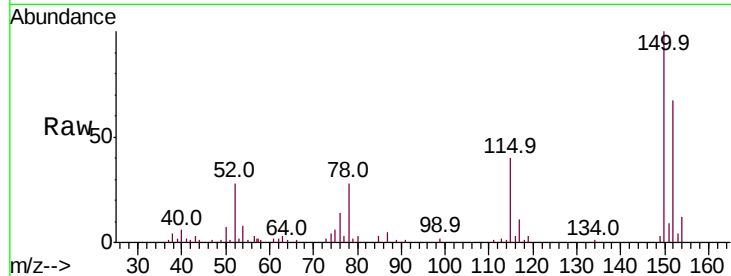


#1

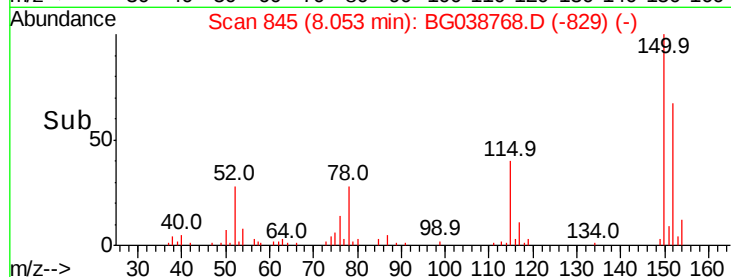
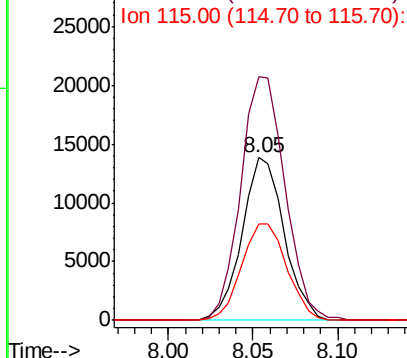
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Instrument :
BNA_G
ClientSampleId :
P001-SS013-3638-01

Tot Ion:152 Resp: 24036
Ion Ratio Lower Upper
152 100
150 149.5 119.5 179.3
115 59.1 49.6 74.4



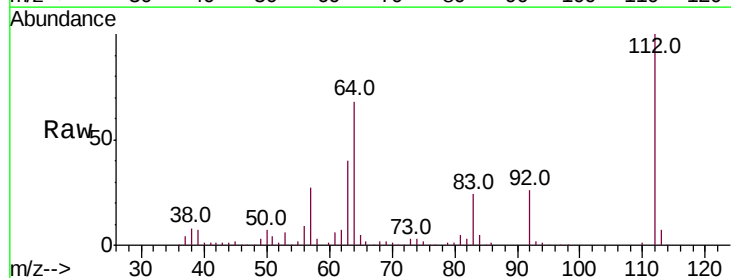
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



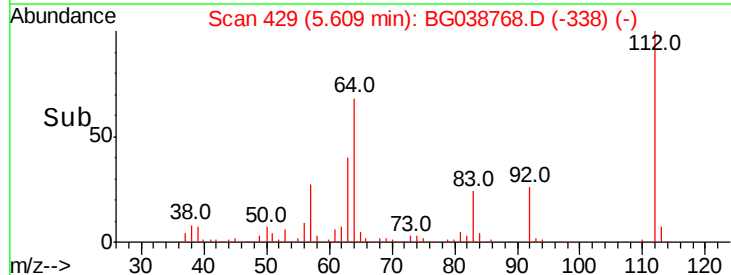
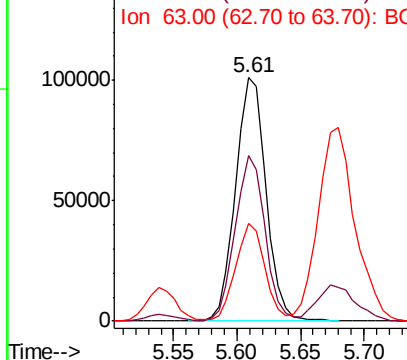
#5

2-Fluorophenol
Concen: 124.153 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Tgt Ion:112 Resp: 168248
Ion Ratio Lower Upper
112 100
64 67.8 53.4 80.2
63 39.9 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: 122.757 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038768.D

Acq: 20 Dec 2018 18:52

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3638-01

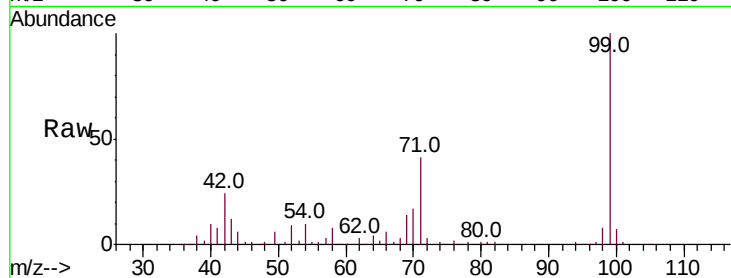
Tot Ion: 99 Resp: 228376

Ion Ratio Lower Upper

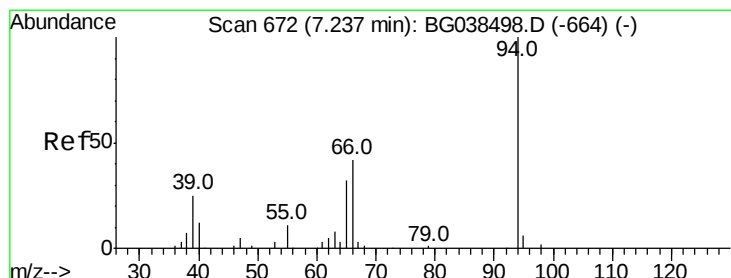
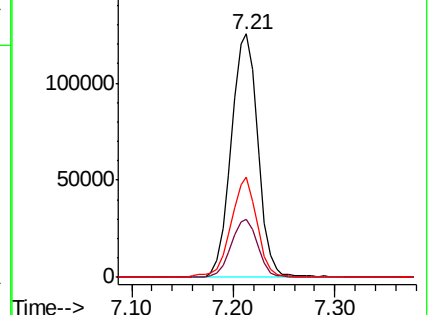
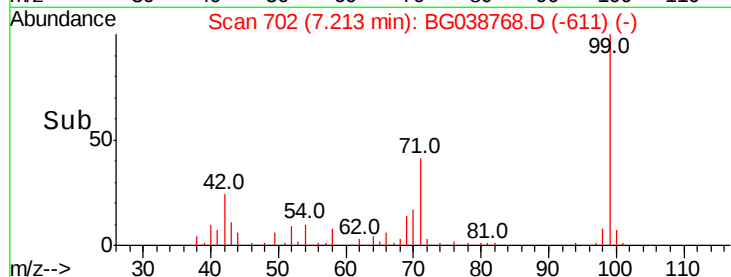
99 100

42 23.9 18.5 27.7

71 41.2 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: 9.446 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038768.D

Acq: 20 Dec 2018 18:52

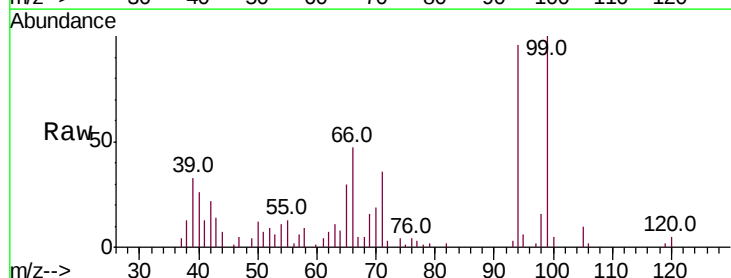
Tgt Ion: 94 Resp: 18670

Ion Ratio Lower Upper

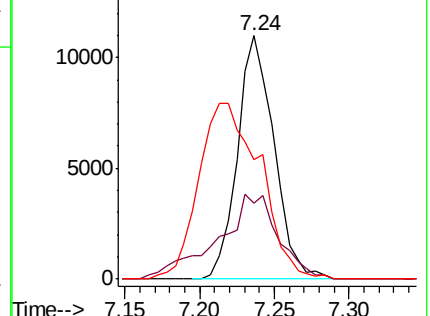
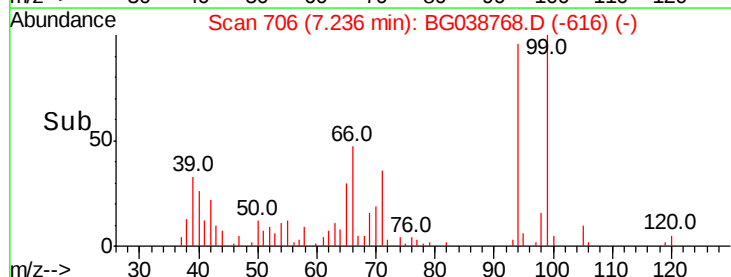
94 100

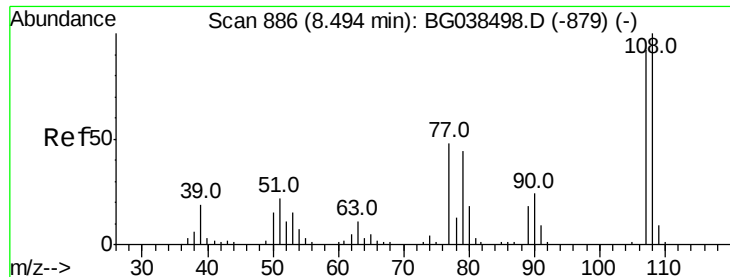
65 31.4 12.6 52.6

66 48.8 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

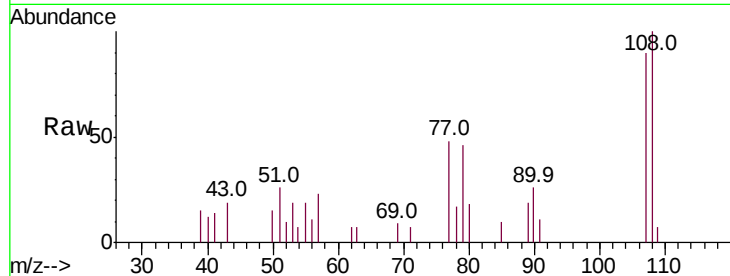




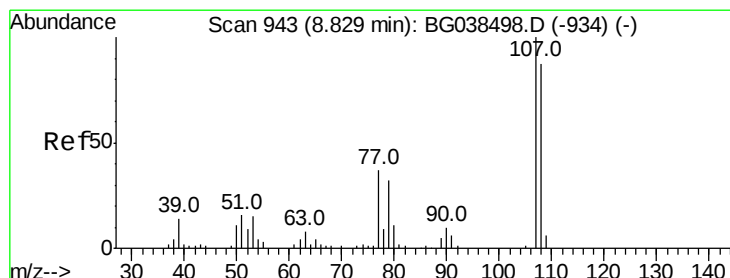
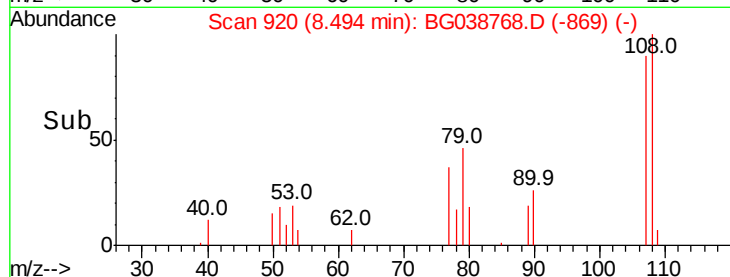
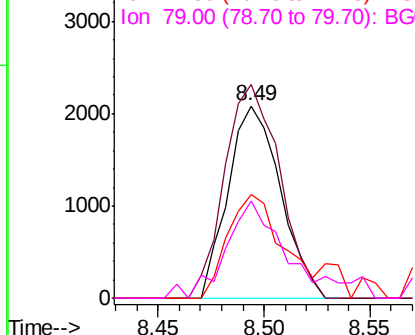
#17
2-Methylphenol
Concen: 2.716 ng
RT: 8.49 min Scan# 920
Delta R.T. -0.00 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Instrument :
BNA_G
ClientSampleId :
P001-SS013-3638-01

Tot Ion:107 Resp: 3596
Ion Ratio Lower Upper
107 100
108 111.0 87.1 130.7
77 53.6 42.0 63.0
79 50.6 38.2 57.2

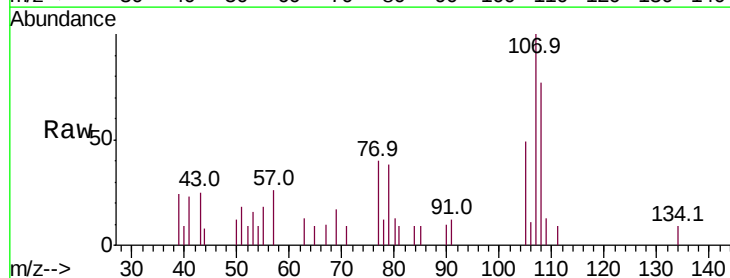


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

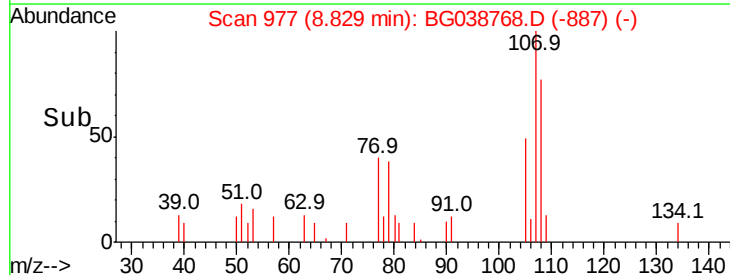
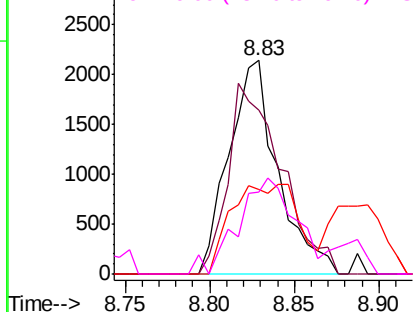


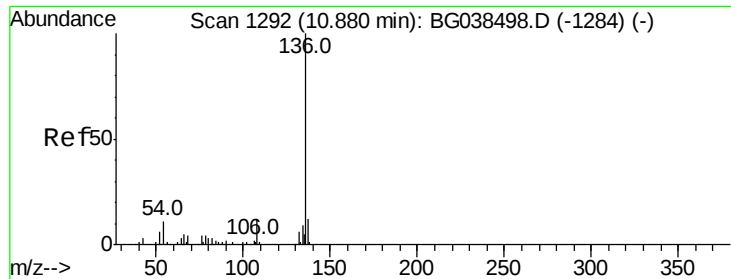
#20
3+4-Methylphenols
Concen: 2.352 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Tgt Ion:107 Resp: 4302
Ion Ratio Lower Upper
107 100
108 77.0 66.7 106.7
77 39.8 17.3 57.3
79 38.3 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

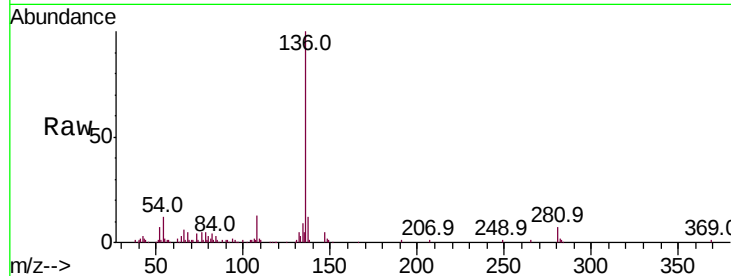




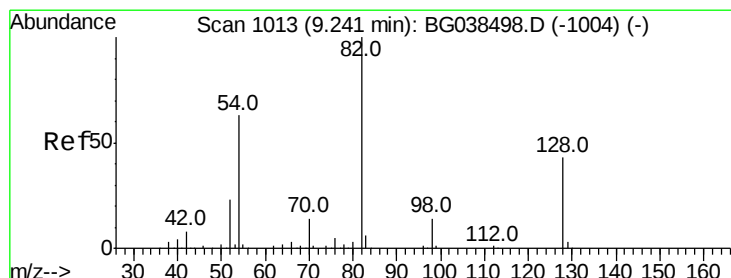
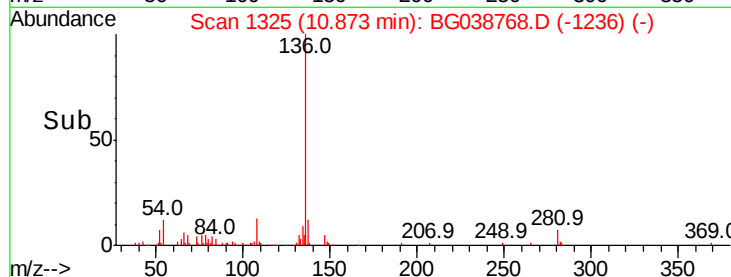
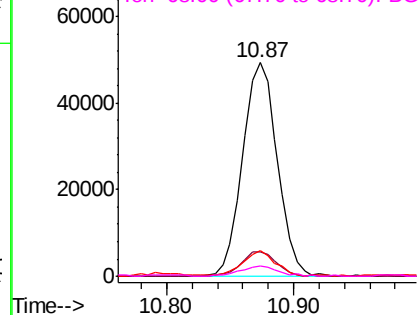
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Instrument :
BNA_G
ClientSampleId :
P001-SS013-3638-01

Tot Ion:136	Resp:	93335
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.3 13.9
54	12.0	8.5 12.7
68	5.1	3.5 5.3

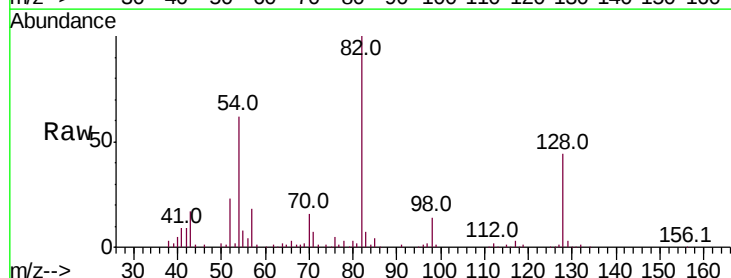


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

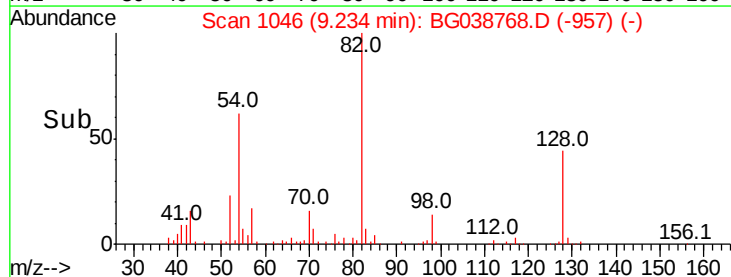
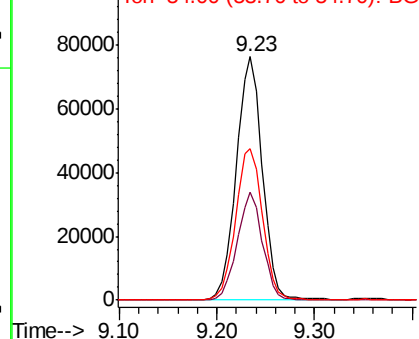


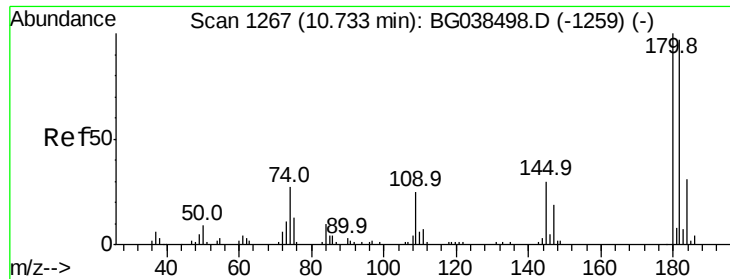
#23
Nitrobenzene-d5
Concen: 77.765 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Tgt Ion: 82	Resp:	142074
Ion Ratio	Lower	Upper
82	100	
128	44.1	34.6 52.0
54	62.4	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

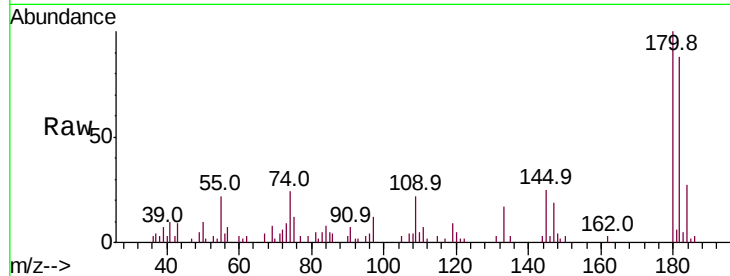




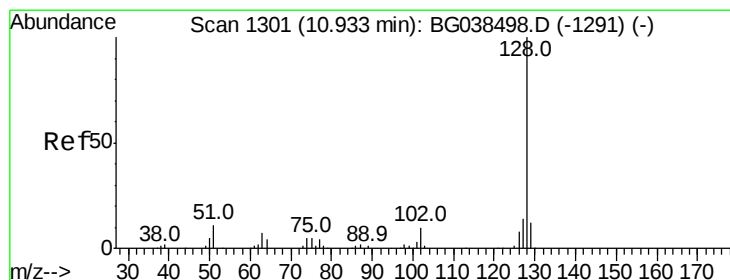
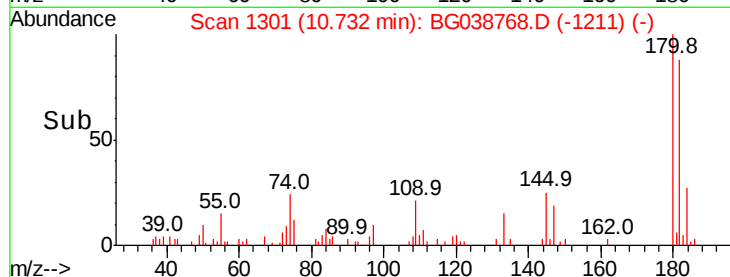
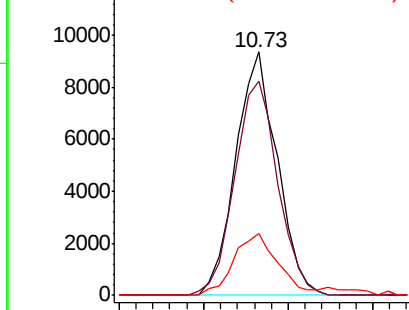
#30
 1,2,4-Trichlorobenzene
 Concen: 8.743 ng
 RT: 10.73 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BG038768.D
 Acq: 20 Dec 2018 18:52

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS013-3638-01

Tot Ion:180 Resp: 15928
 Ion Ratio Lower Upper
 180 100
 182 87.8 77.4 116.0
 145 25.3 24.1 36.1

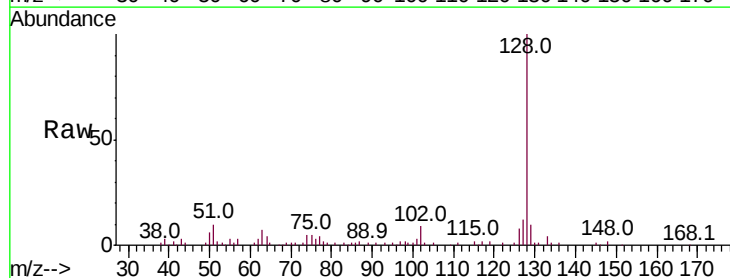


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

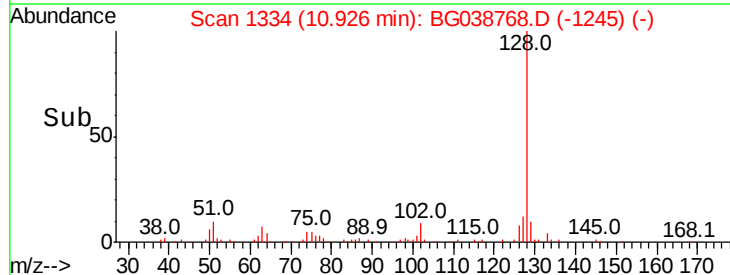
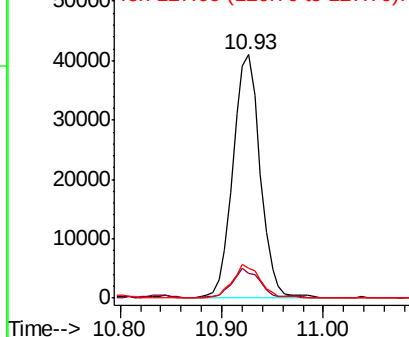


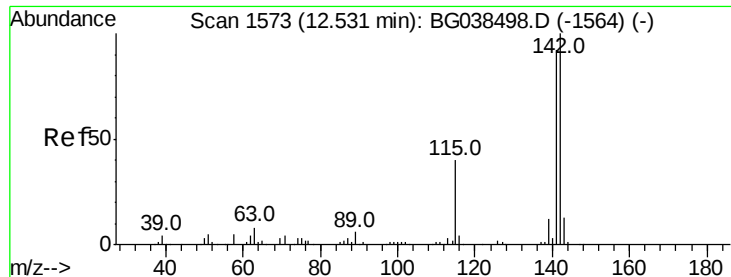
#31
 Naphthalene
 Concen: 16.691 ng
 RT: 10.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BG038768.D
 Acq: 20 Dec 2018 18:52

Tgt Ion:128 Resp: 76756
 Ion Ratio Lower Upper
 128 100
 129 10.3 9.5 14.3
 127 12.5 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

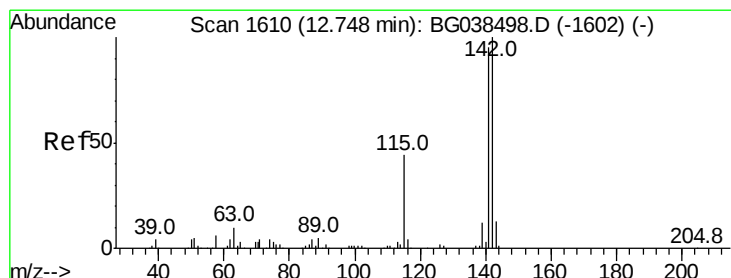
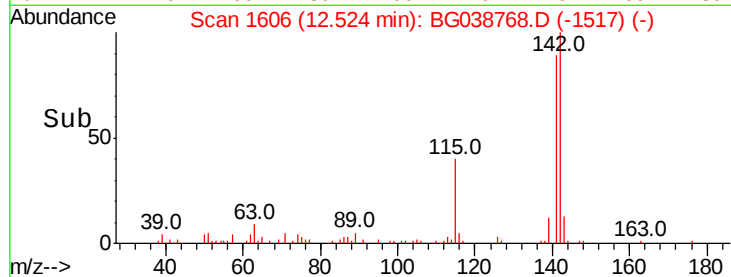
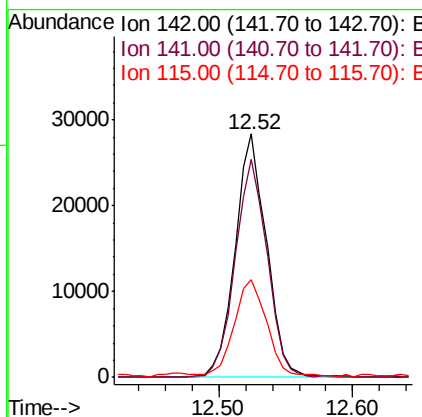
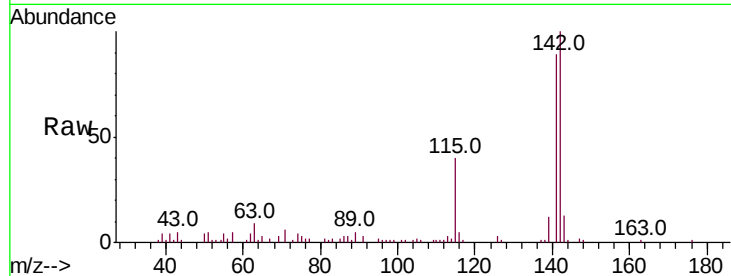




#37
 2-Methylnaphthalene
 Concen: 14.050 ng
 RT: 12.52 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BG038768.D
 Acq: 20 Dec 2018 18:52

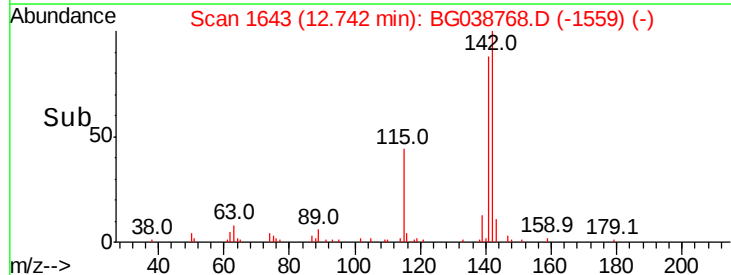
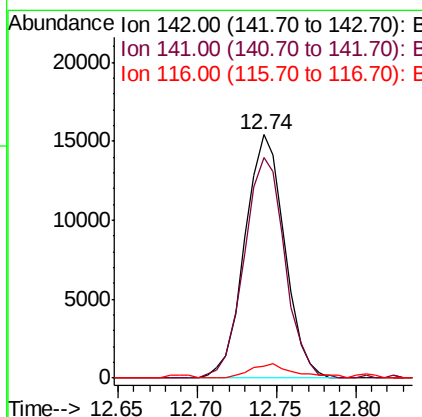
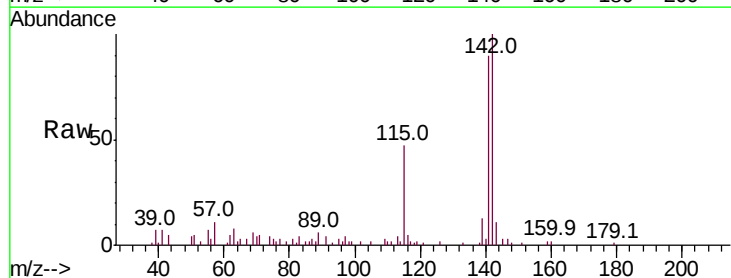
Instrument :
 BNA_G
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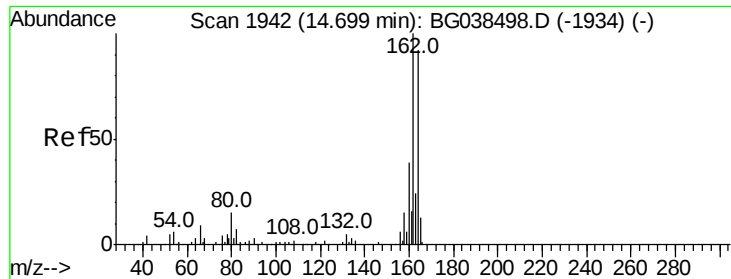
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	73.5	110.3
115	40.3	31.7	47.5



#38
 1-Methylnaphthalene
 Concen: 8.441 ng
 RT: 12.74 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BG038768.D
 Acq: 20 Dec 2018 18:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	75.8	113.8
116	5.1	3.6	5.4

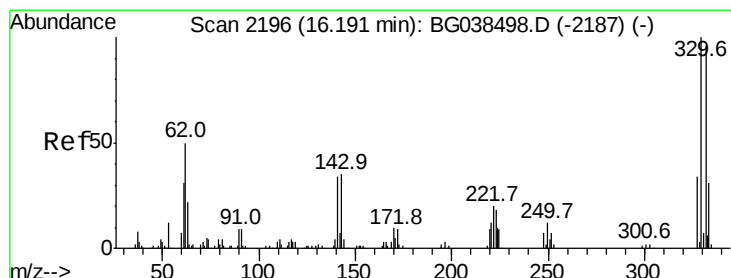
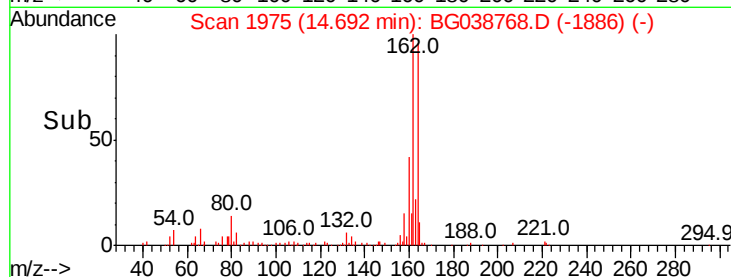
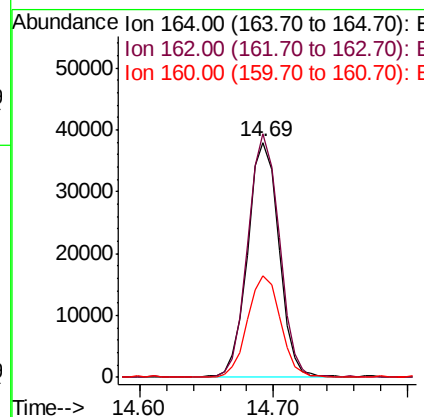
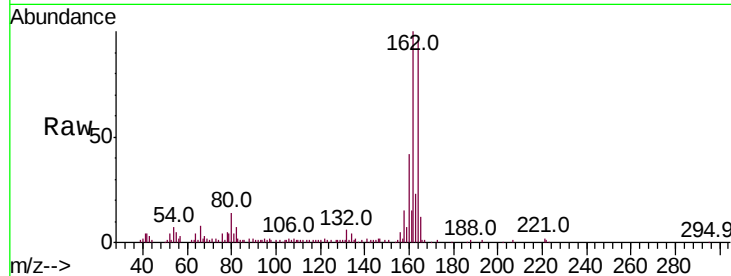




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038768.D
 Acq: 20 Dec 2018 18:52

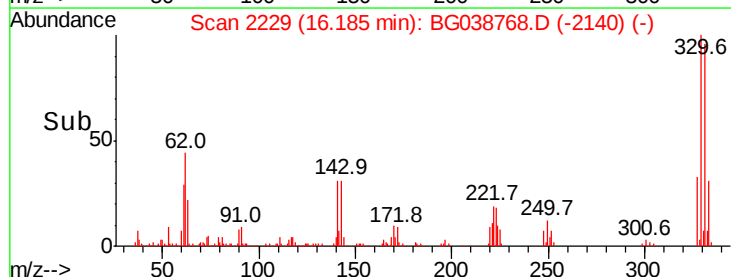
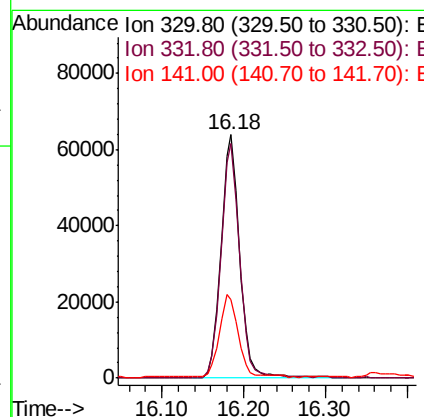
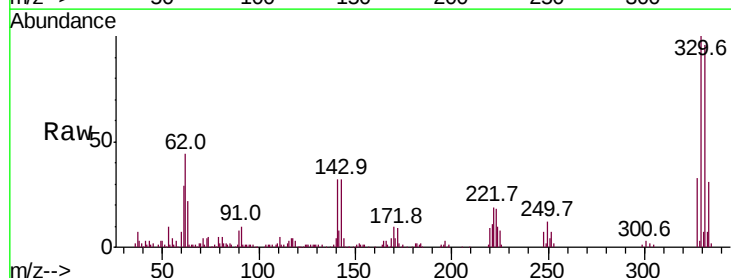
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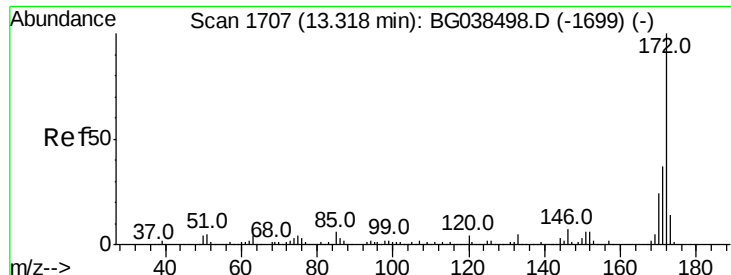
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.6	130.0
160	43.5	34.2	51.2



#42
 2,4,6-Tribromophenol
 Concen: 120.578 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038768.D
 Acq: 20 Dec 2018 18:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	34.3	28.8	43.2

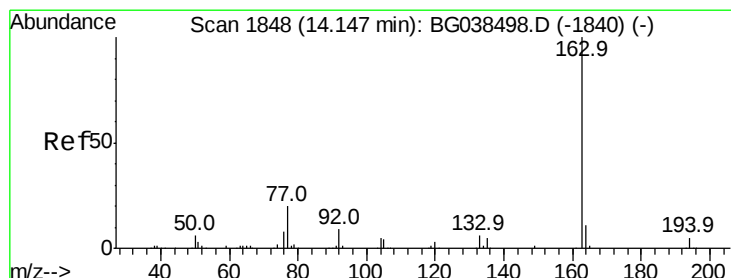
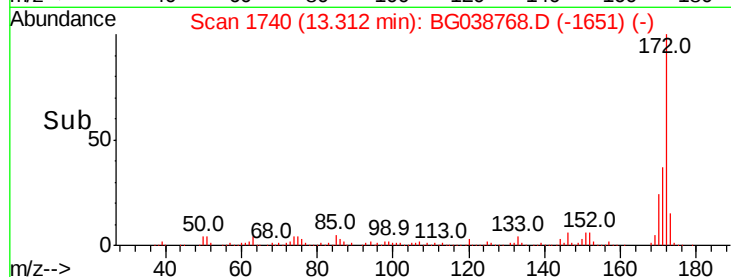
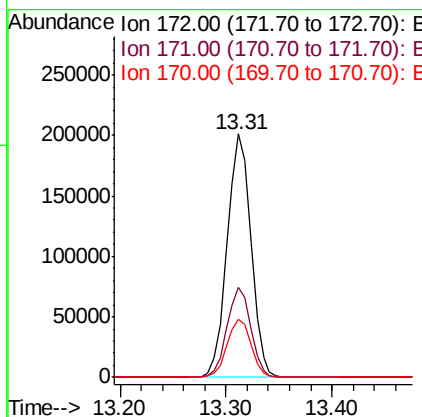
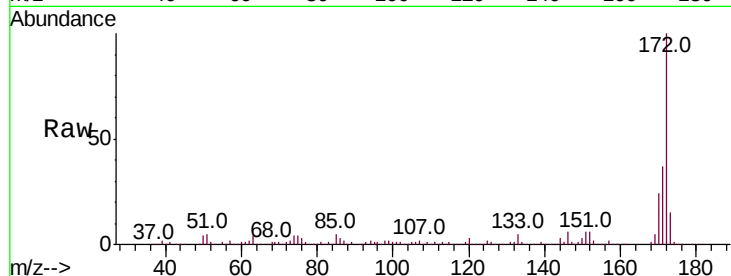




#45
2-Fluorobiphenyl
Concen: 69.831 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

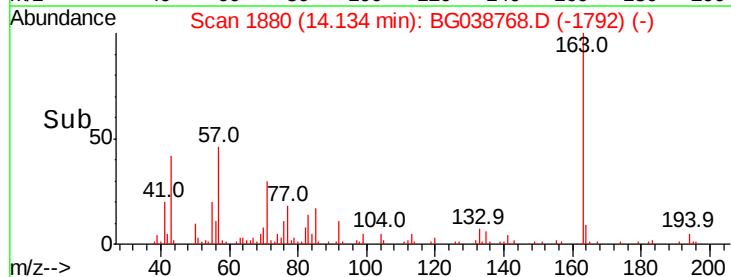
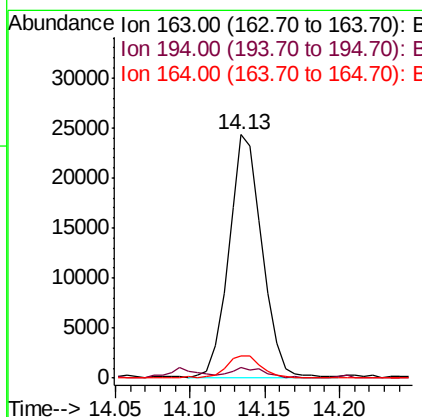
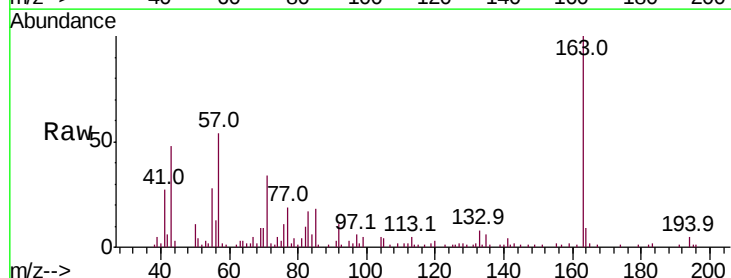
Instrument :
BNA_G
ClientSampleId :
P001-SS013-3638-01

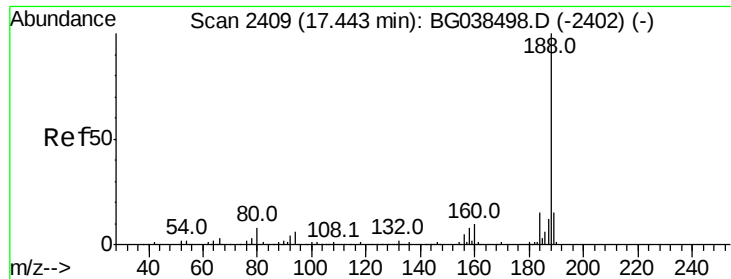
Tot Ion:172 Resp: 312589
Ion Ratio Lower Upper
172 100
171 36.8 29.8 44.6
170 23.9 19.5 29.3



#50
Dimethylphthalate
Concen: 7.578 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Tgt Ion:163 Resp: 38005
Ion Ratio Lower Upper
163 100
194 4.6 3.7 5.5
164 9.2 8.6 12.8

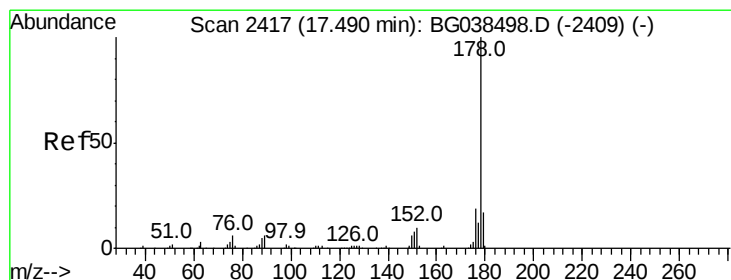
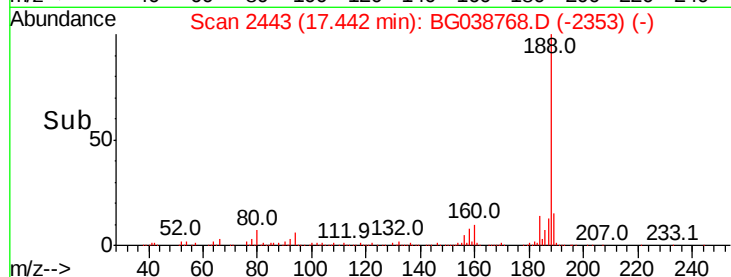
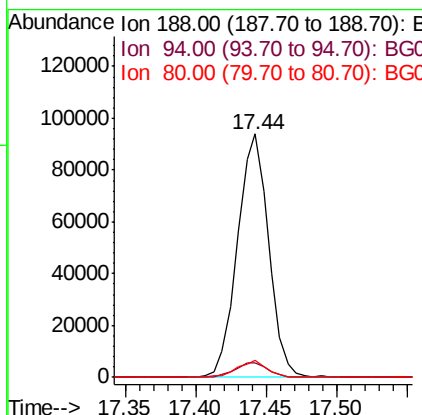
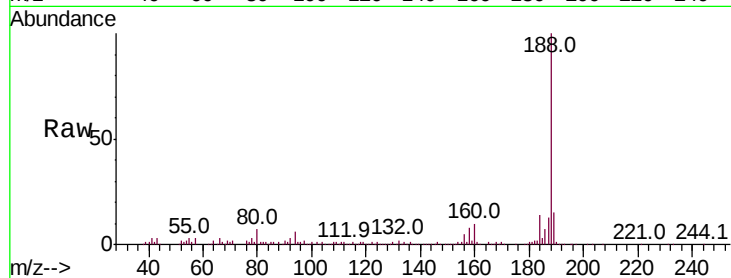




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

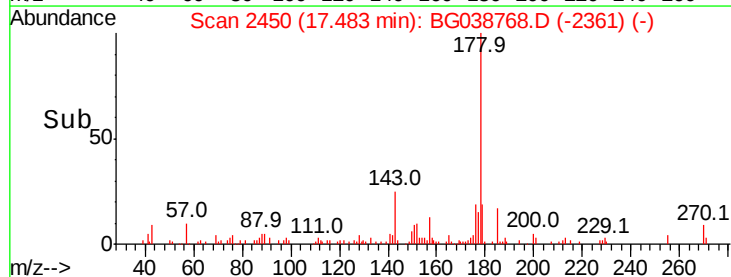
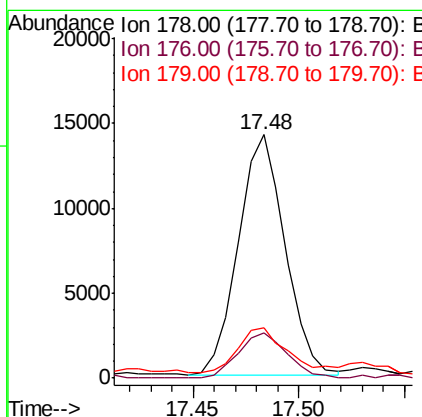
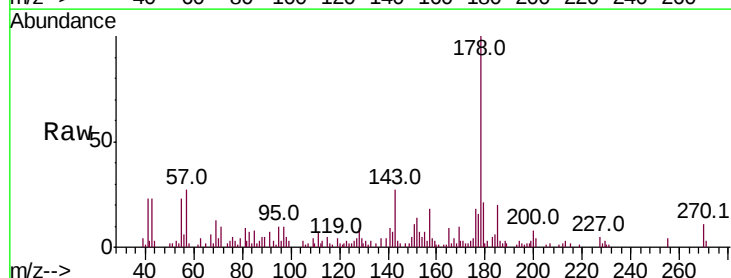
Instrument :
BNA_G
ClientSampleId :
P001-SS013-3638-01

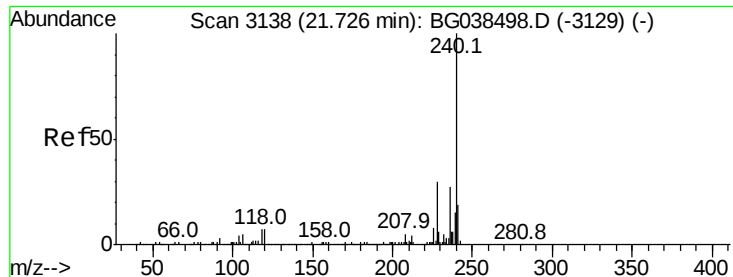
Tot Ion:188 Resp: 144694
Ion Ratio Lower Upper
188 100
94 5.7 5.1 7.7
80 6.8 6.1 9.1



#71
Phenanthrene
Concen: 2.896 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BG038768.D
Acq: 20 Dec 2018 18:52

Tgt Ion:178 Resp: 21727
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 20.7 13.2 19.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038768.D

Acq: 20 Dec 2018 18:52

Instrument :

BNA_G

ClientSampleId :

P001-SS013-3638-01

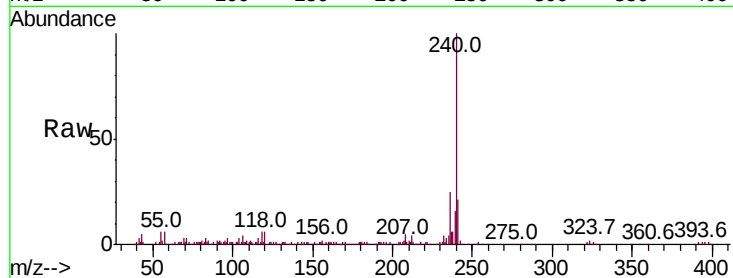
Tot Ion:240 Resp: 152320

Ion Ratio Lower Upper

240 100

120 6.0 5.3 7.9

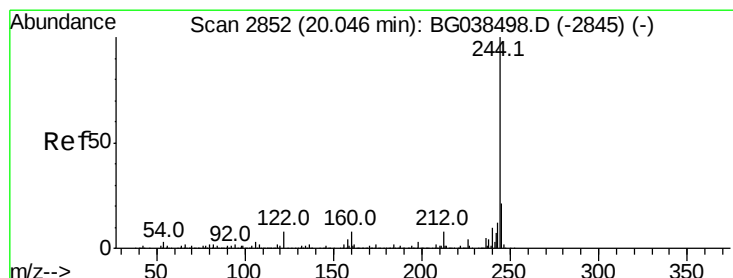
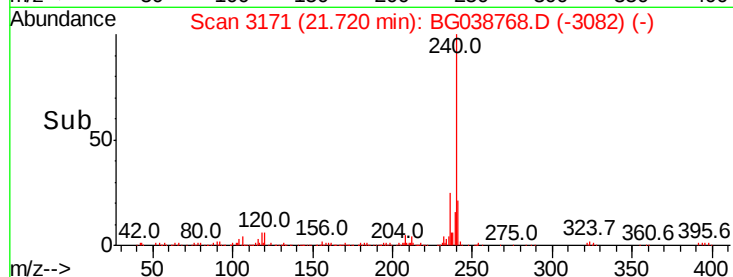
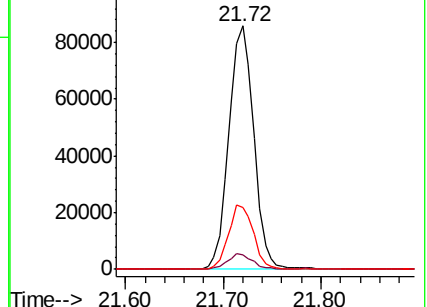
236 25.3 21.4 32.2



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: 77.879 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038768.D

Acq: 20 Dec 2018 18:52

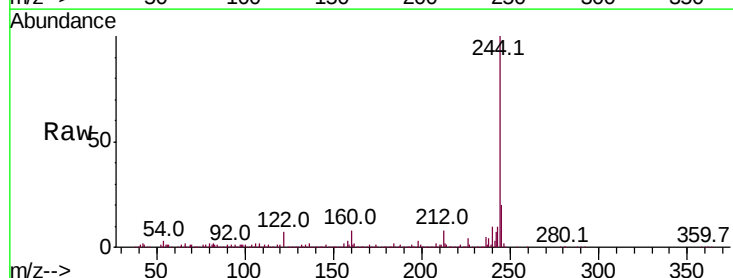
Tgt Ion:244 Resp: 545068

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

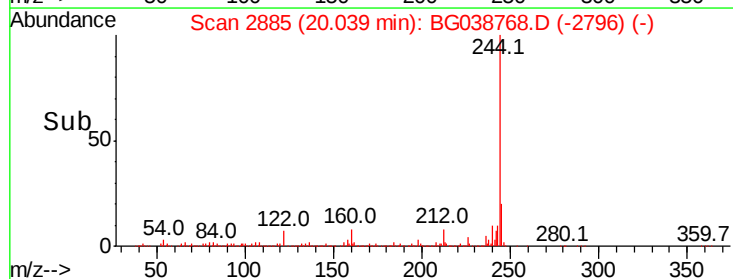
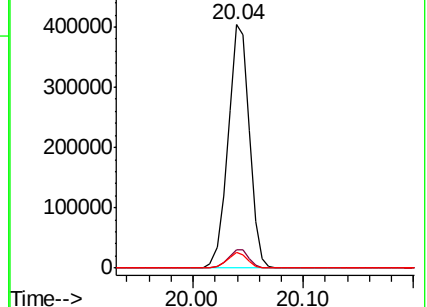
122 6.5 6.3 9.5

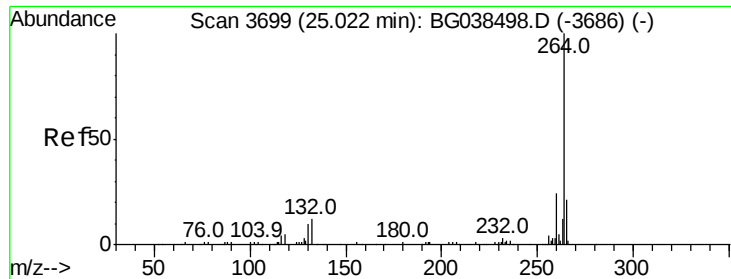


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.02 min Scan# 3732
 Delta R.T. -0.01 min
 Lab File: BG038768.D
 Acq: 20 Dec 2018 18:52

Instrument :
 BNA_G
 ClientSampleId :
 P001-SS013-3638-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.9	28.3
265	21.2	17.0	25.4

