

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071818\
 Data File : BG035751.D
 Acq On : 19 Jul 2018 13:23
 Operator : JU/SJ
 Sample : J4033-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 14:30:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

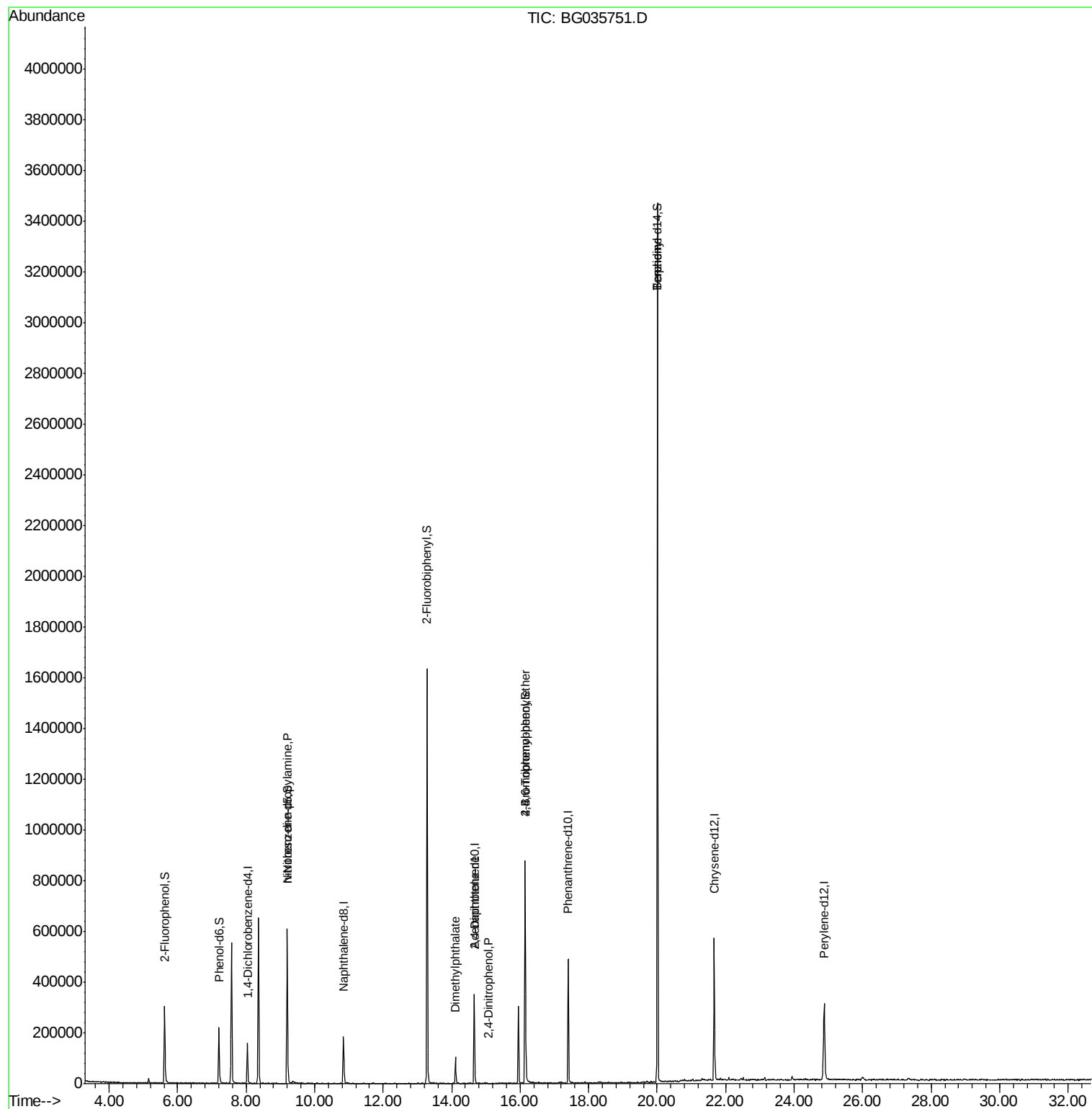
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	47287	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	164243	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	120316	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	328861	20.00	ng	0.00
75) Chrysene-d12	21.67	240	359822	20.00	ng	0.00
86) Perylene-d12	24.87	264	341054	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	141686	49.75	ng	0.00
7) Phenol-d6	7.20	99	136576	32.14	ng	0.00
23) Nitrobenzene-d5	9.20	82	410800	104.49	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	176471	111.28	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	871853	97.08	ng	0.00
78) Terphenyl-d14	20.01	244	1603009	98.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	57957	16.196	ng	Qvalue # 68
49) Dimethylphthalate	14.11	163	80956	7.680	ng	98
53) 2,4-Dinitrophenol	15.06	184	68	6.639	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	17145	5.567	ng	# 21
66) 4-Bromophenyl-phenylether	16.14	248	13543	3.550	ng	# 1
76) Benzidine	20.01	184	28740	3.038	ng	# 87

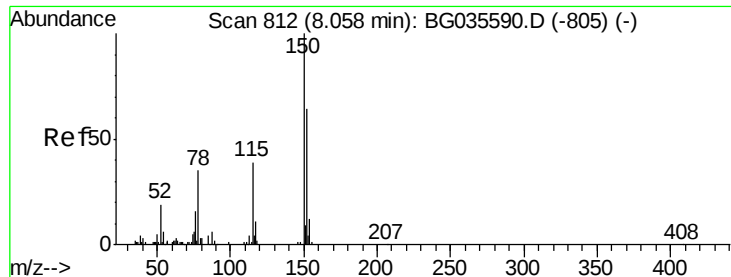
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 18 17:45:13 2018
Response via : Initial Calibration



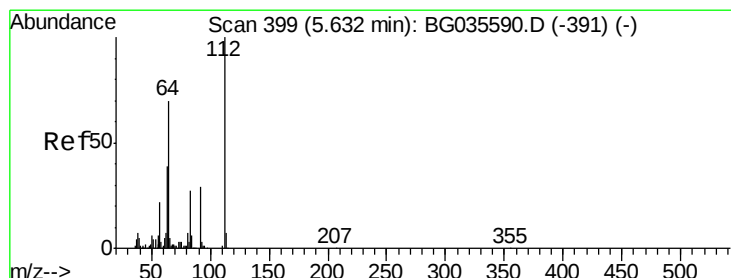
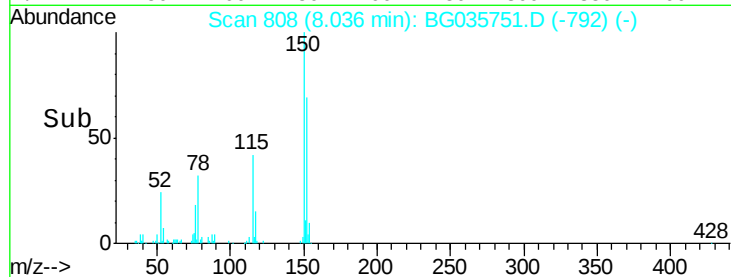
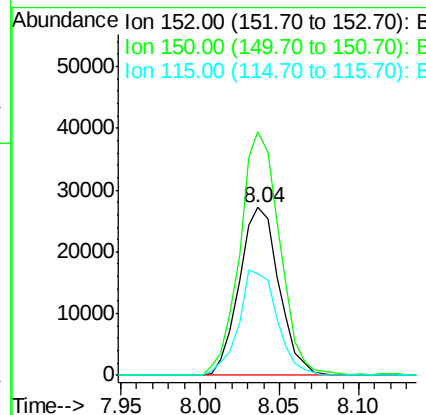
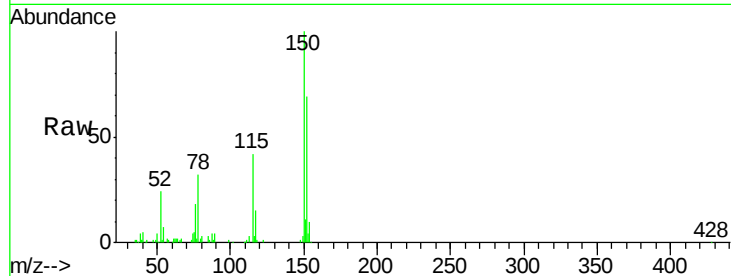


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.00 min
Lab File: BG035751.D
Acq: 19 Jul 2018 13:23

Instrument :
BNA_F
ClientSampled :

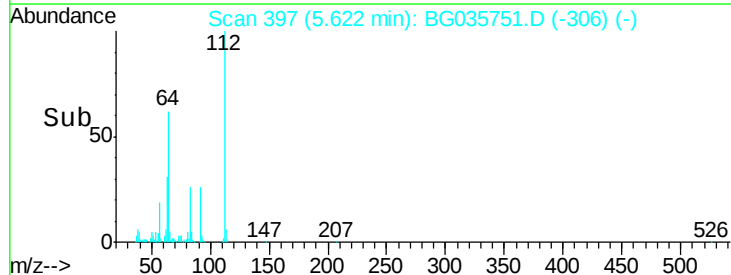
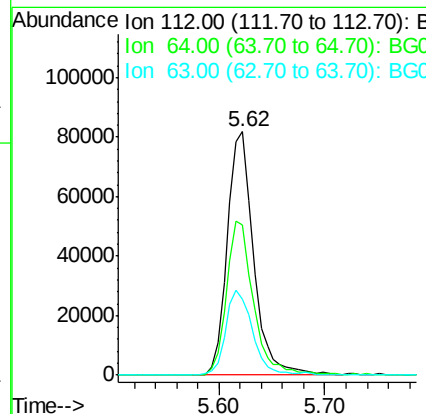
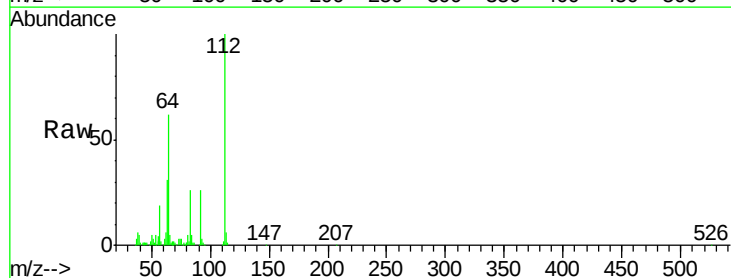
Tgt Ion:152 Resp: 47287
Ion Ratio Lower Upper
152 100
150 144.9 126.6 189.8
115 60.8 53.0 79.4

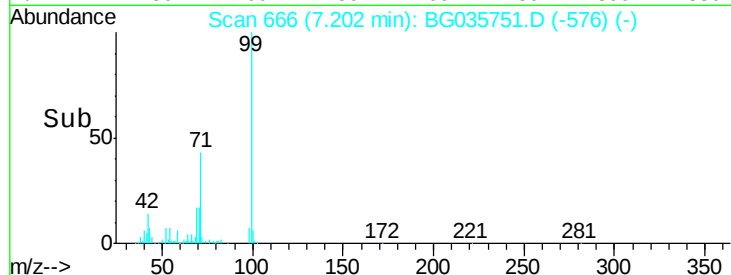
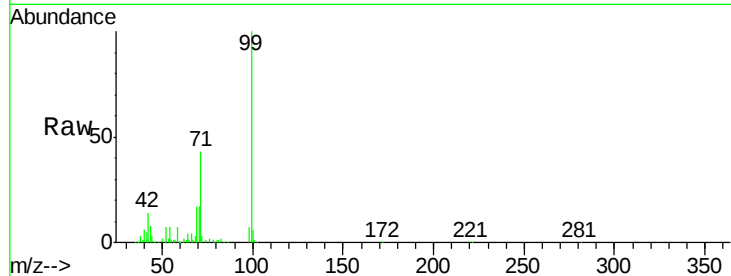
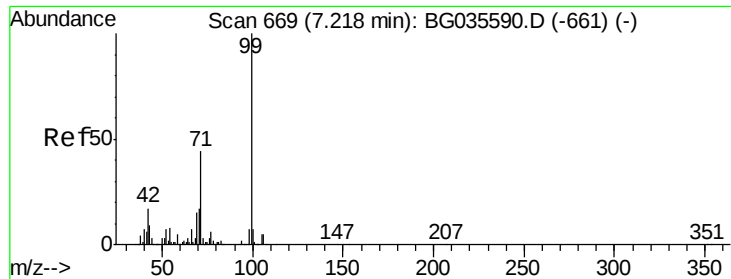


#5

2-Fluorophenol
Concen: 49.746 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG035751.D
Acq: 19 Jul 2018 13:23

Tgt Ion:112 Resp: 141686
Ion Ratio Lower Upper
112 100
64 61.9 56.3 84.5
63 31.2 30.1 45.1





#7

Phenol-d6

Concen: 32.139 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.00 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

Instrument :

BNA_F

ClientSampled :

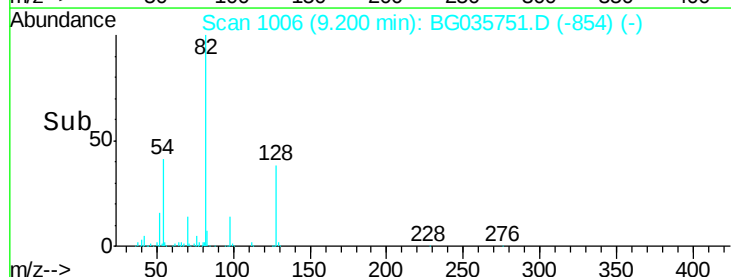
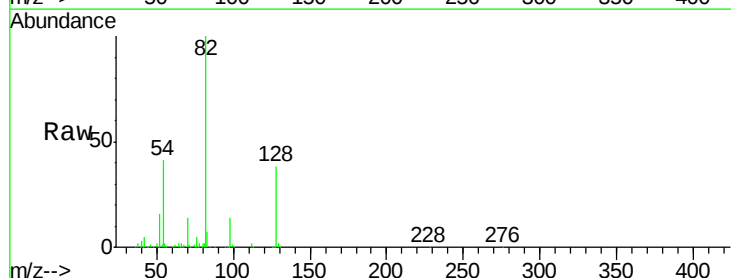
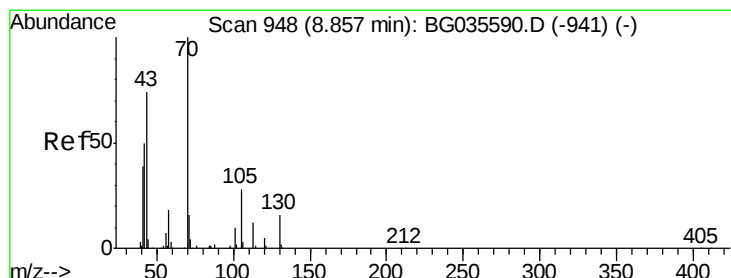
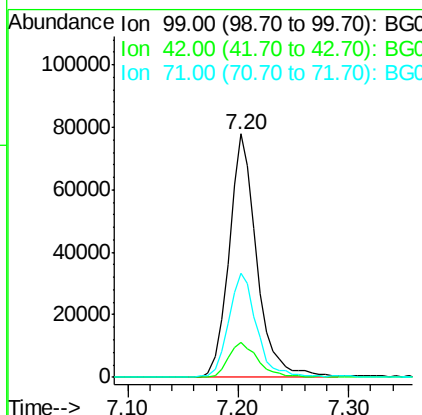
Tgt Ion: 99 Resp: 136576

Ion Ratio Lower Upper

99 100

42 14.4 14.1 21.1

71 42.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.196 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

Tgt Ion: 70 Resp: 57957

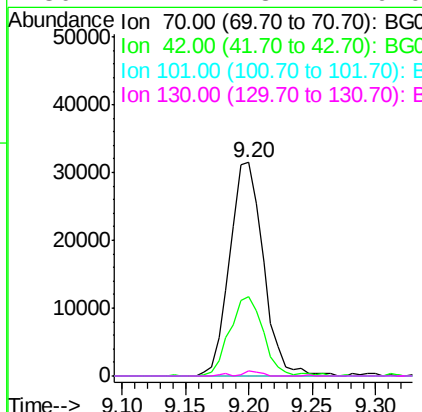
Ion Ratio Lower Upper

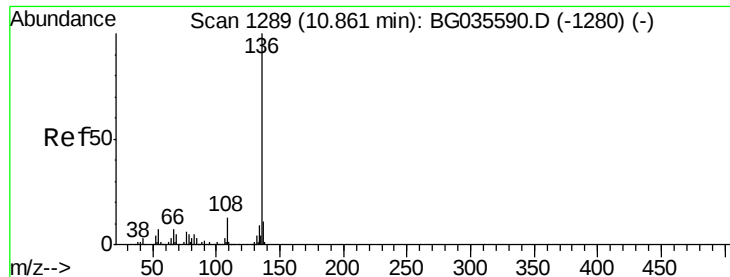
70 100

42 37.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

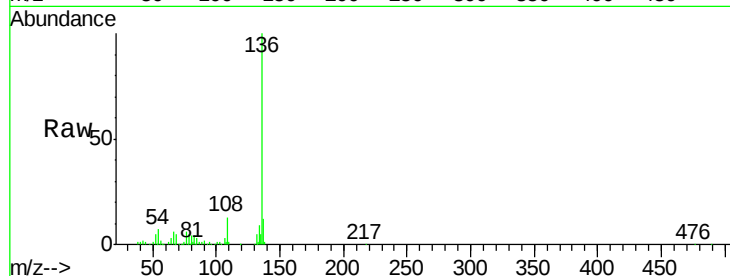




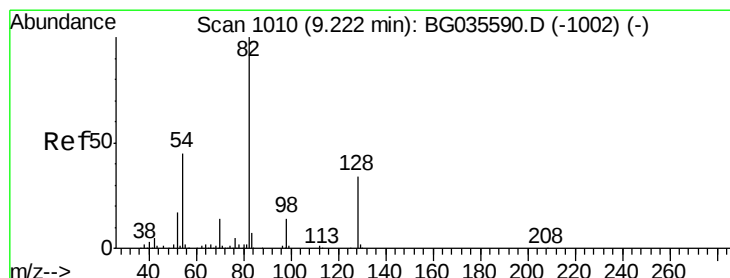
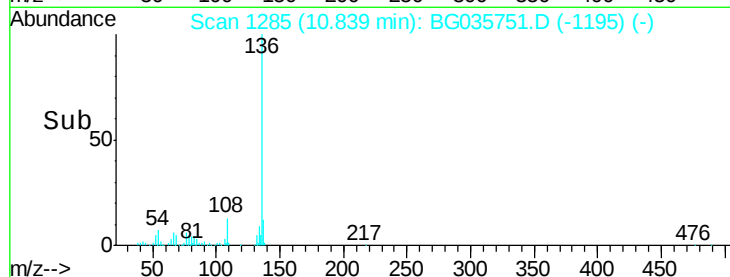
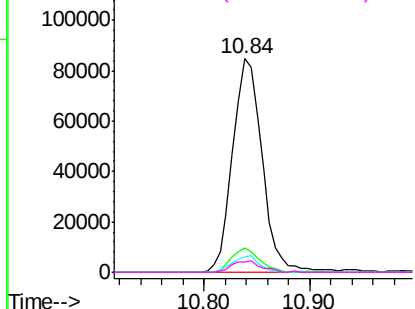
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BG035751.D
Acq: 19 Jul 2018 13:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	136	Resp:	164243
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.4	10.3	15.5#
68	4.8	4.5	6.7

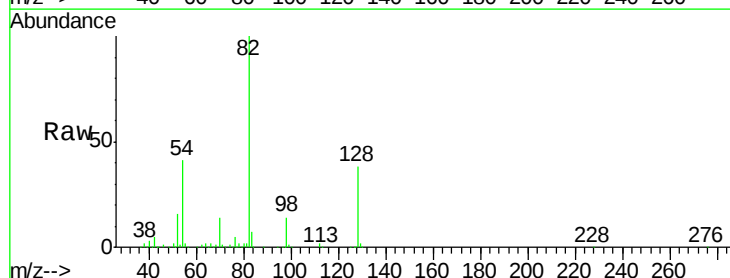


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

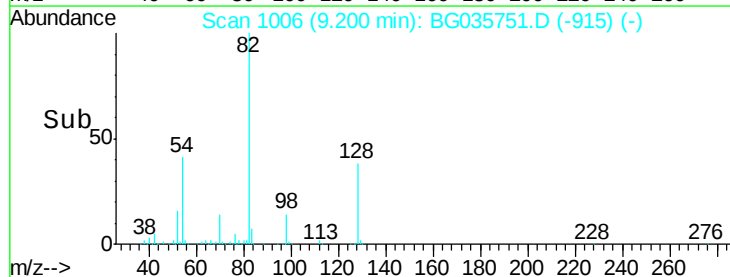
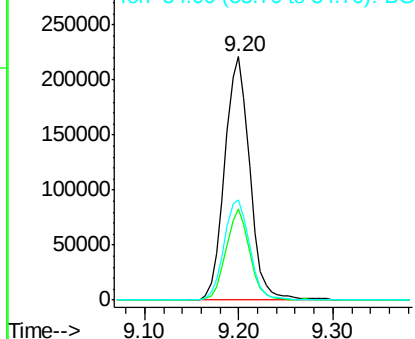


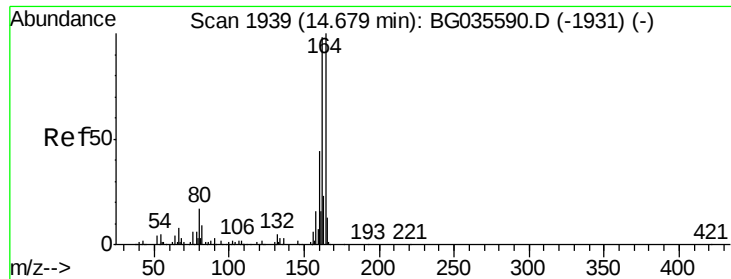
#23
Nitrobenzene-d5
Concen: 104.486 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035751.D
Acq: 19 Jul 2018 13:23

Tgt Ion:	82	Resp:	410800
Ion	Ratio	Lower	Upper
82	100		
128	37.7	29.7	44.5
54	41.4	43.1	64.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

Instrument :

BNA_F

ClientSampleId :

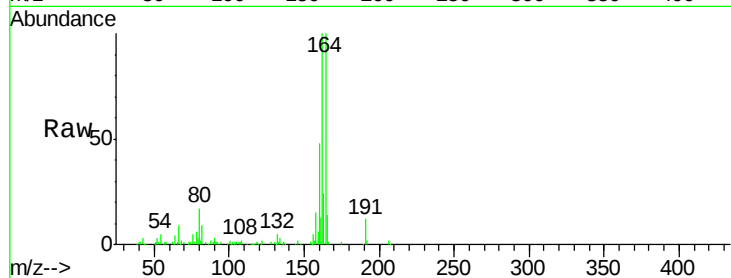
Tgt Ion:164 Resp: 120316

Ion Ratio Lower Upper

164 100

162 100.2 78.8 118.2

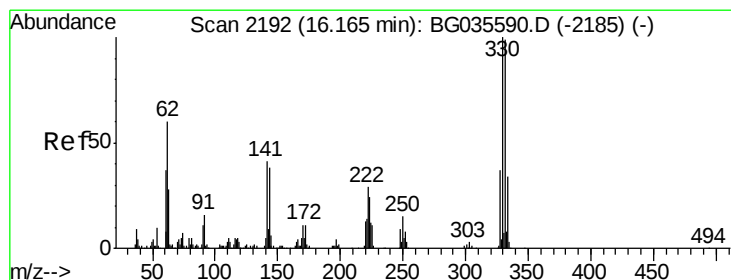
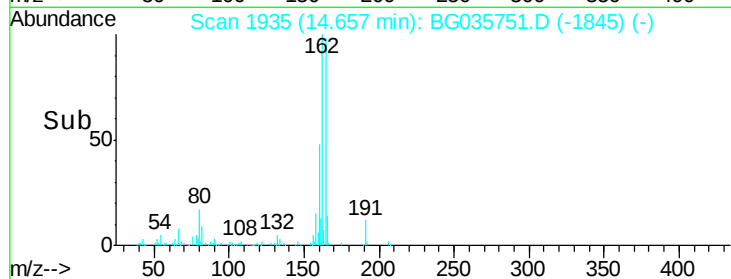
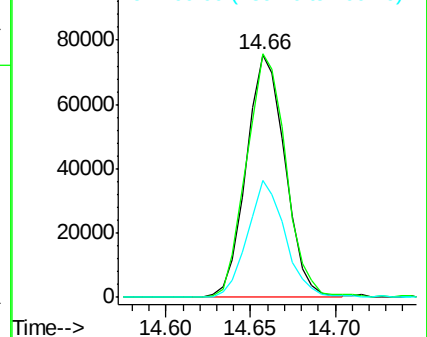
160 48.2 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 111.279 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

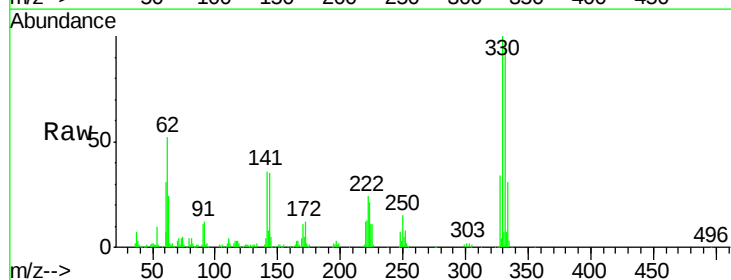
Tgt Ion:330 Resp: 176471

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

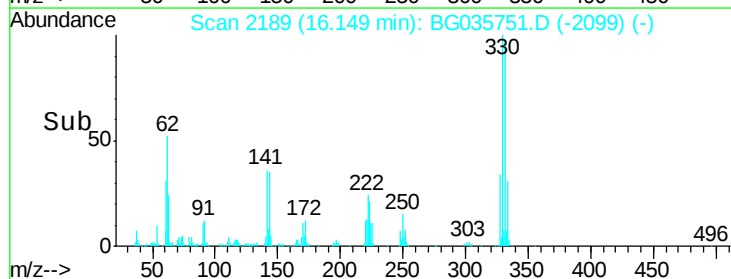
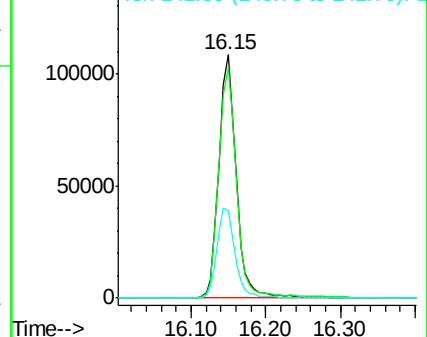
141 38.2 25.2 37.8#

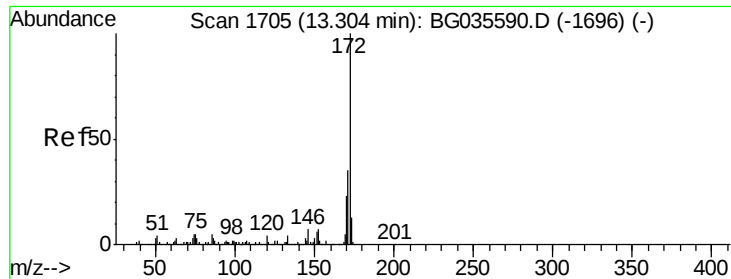


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 97.082 ng

RT: 13.28 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

Instrument :

BNA_F

ClientSampleId :

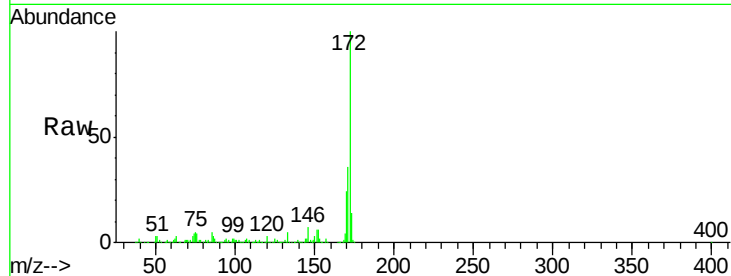
Tgt Ion:172 Resp: 871853

Ion Ratio Lower Upper

172 100

171 35.8 30.0 45.0

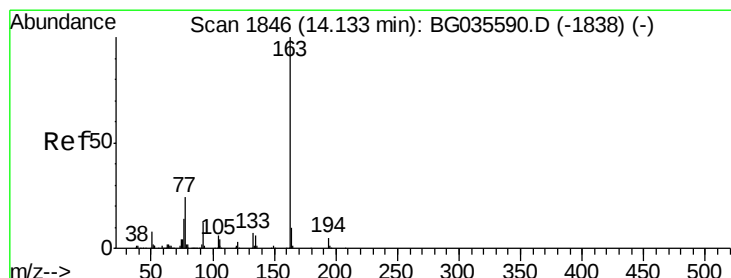
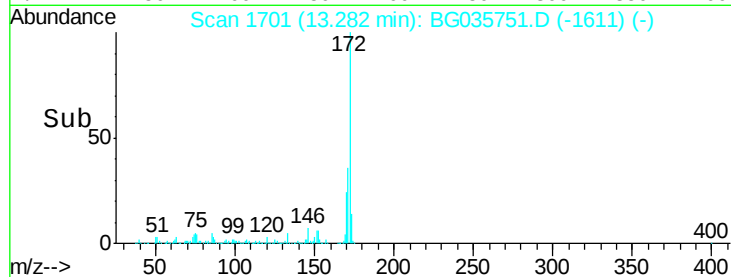
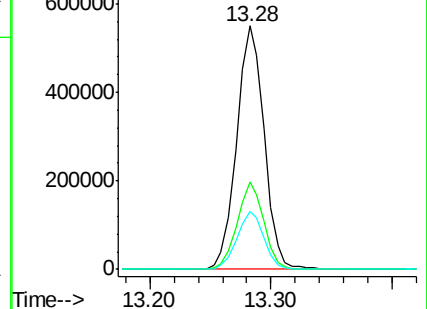
170 23.8 19.5 29.3



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



#49

Dimethylphthalate

Concen: 7.680 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

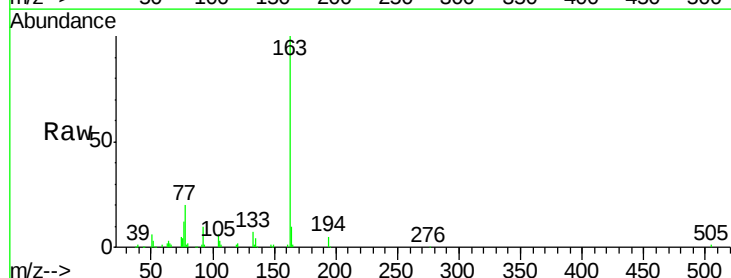
Tgt Ion:163 Resp: 80956

Ion Ratio Lower Upper

163 100

194 5.1 3.4 5.2

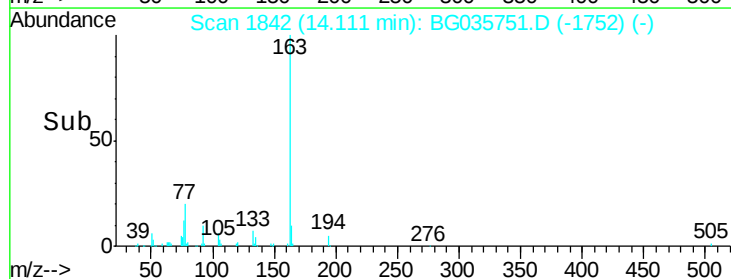
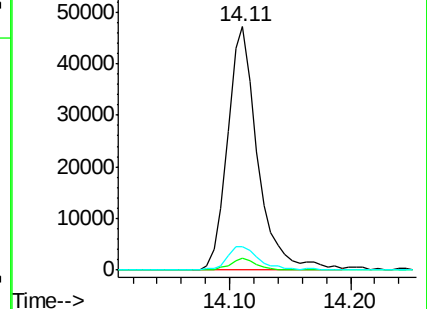
164 9.9 8.2 12.4

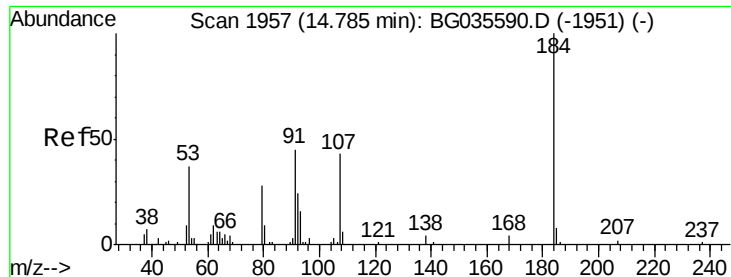


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

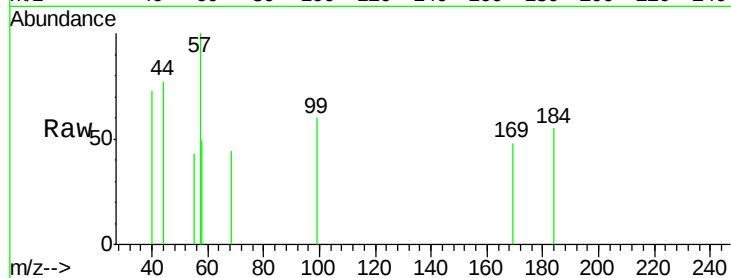




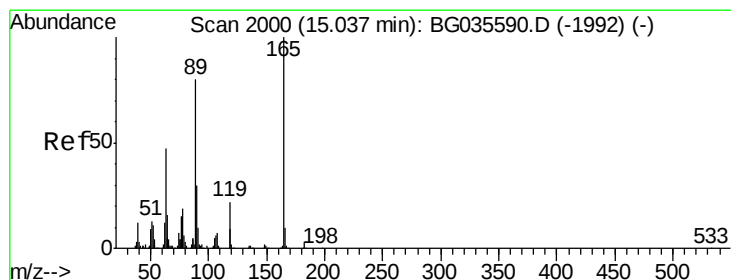
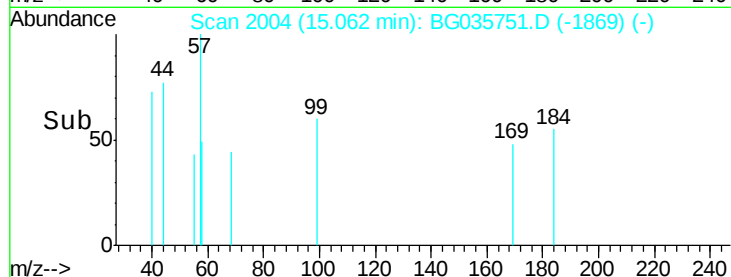
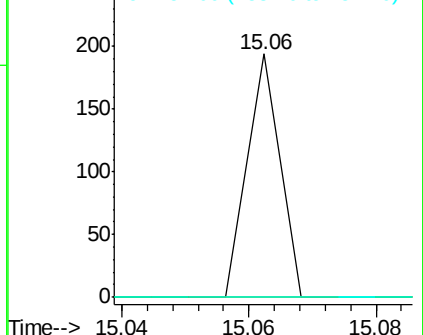
#53
2,4-Dinitrophenol
Concen: 6.639 ng
RT: 15.06 min Scan# 2004
Delta R.T. 0.26 min
Lab File: BG035751.D
Acq: 19 Jul 2018 13:23

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

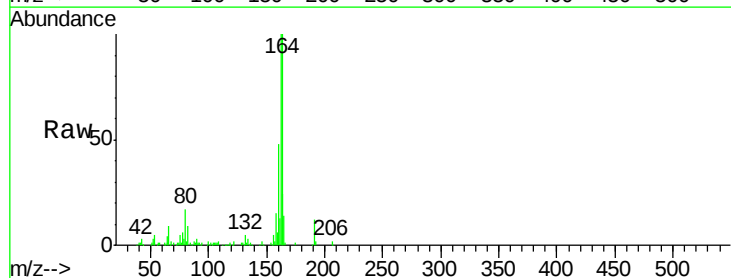


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

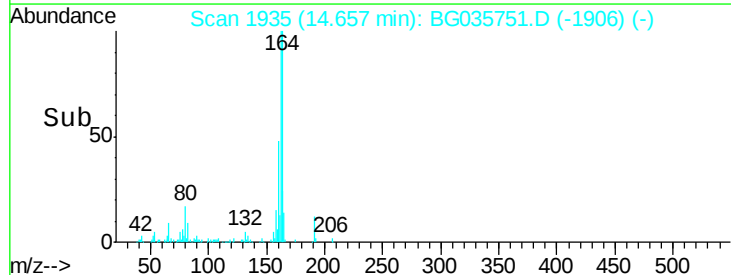
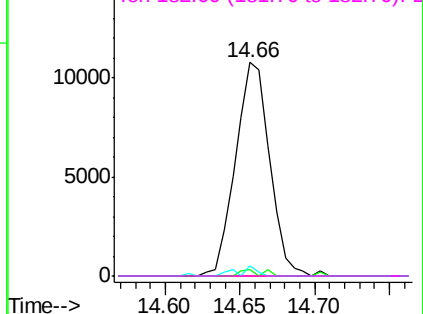


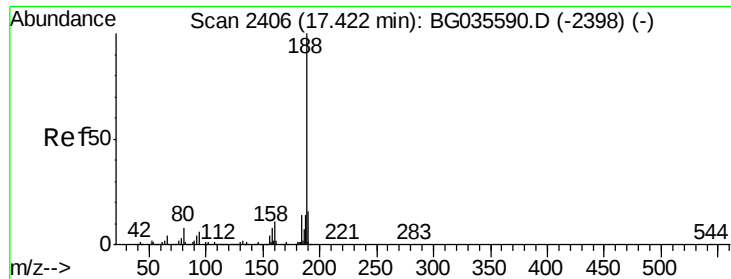
#56
2,4-Dinitrotoluene
Concen: 5.567 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.36 min
Lab File: BG035751.D
Acq: 19 Jul 2018 13:23

Tgt Ion:165 Resp: 17145
Ion Ratio Lower Upper
165 100
63 2.8 42.0 63.0#
89 4.6 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

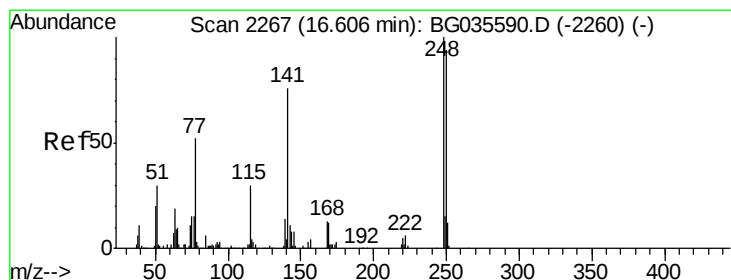
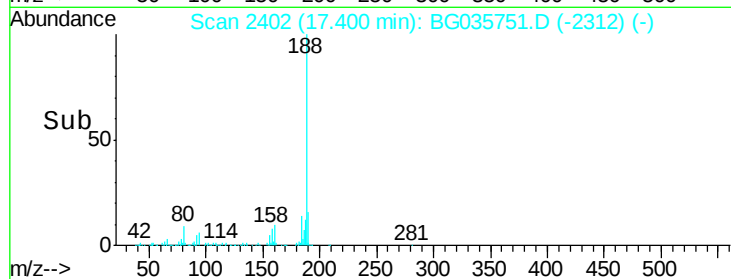
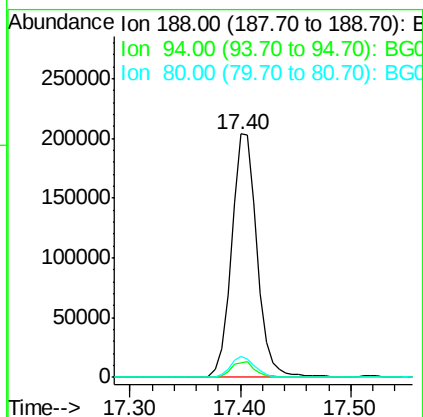
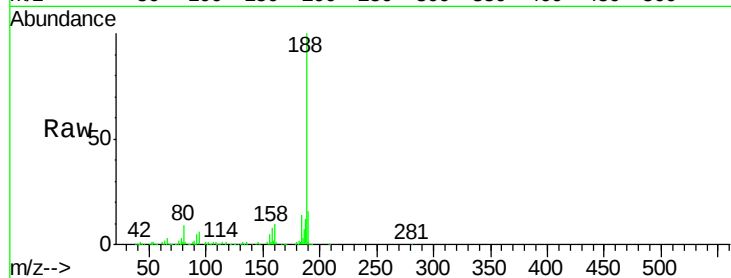




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2402
 Delta R.T. -0.00 min
 Lab File: BG035751.D
 Acq: 19 Jul 2018 13:23

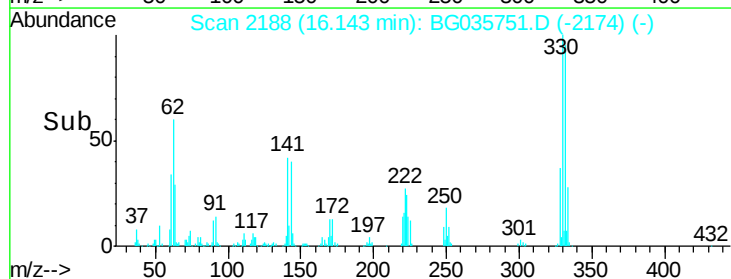
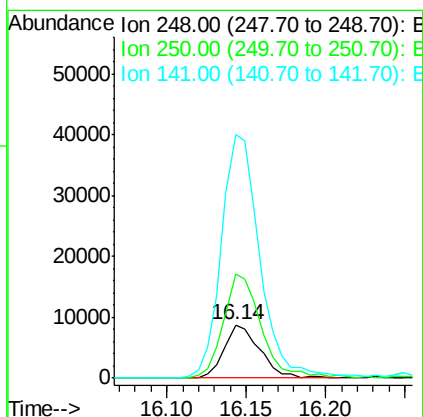
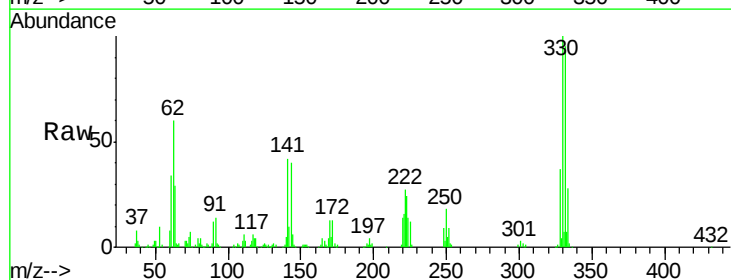
Instrument :
 BNA_F
 ClientSampled :

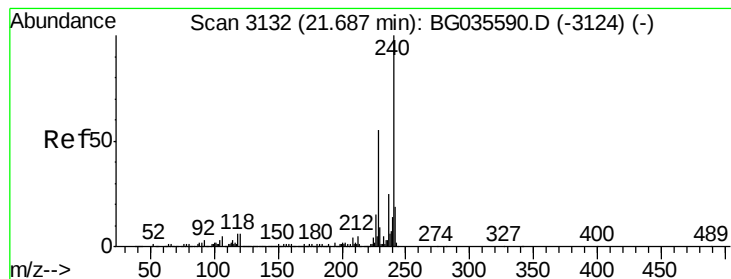
Tgt Ion:188 Resp: 328861
 Ion Ratio Lower Upper
 188 100
 94 6.1 6.9 10.3#
 80 8.6 7.7 11.5



#66
 4-Bromophenyl-phenylether
 Concen: 3.550 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.45 min
 Lab File: BG035751.D
 Acq: 19 Jul 2018 13:23

Tgt Ion:248 Resp: 13543
 Ion Ratio Lower Upper
 248 100
 250 194.2 77.1 115.7#
 141 456.7 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.01 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

Instrument :

BNA_F

ClientSampleId :

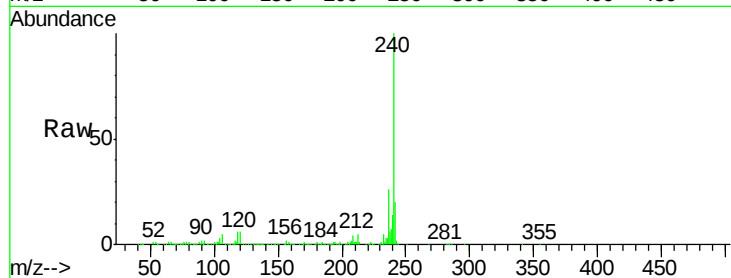
Tgt Ion:240 Resp: 359822

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

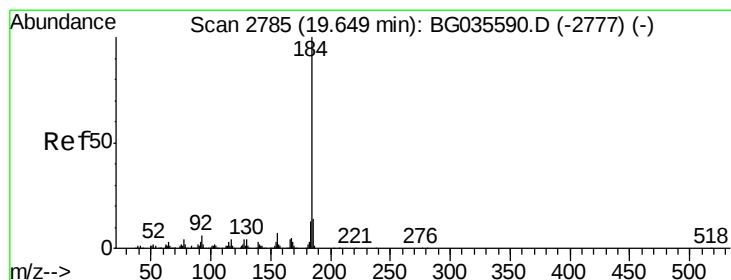
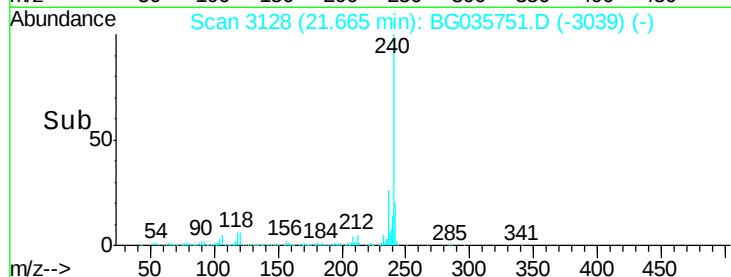
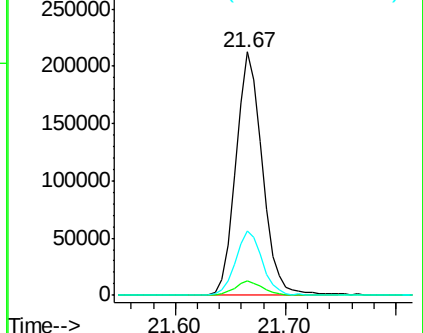
236 26.4 20.9 31.3



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



#76

Benzidine

Concen: 3.038 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.37 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

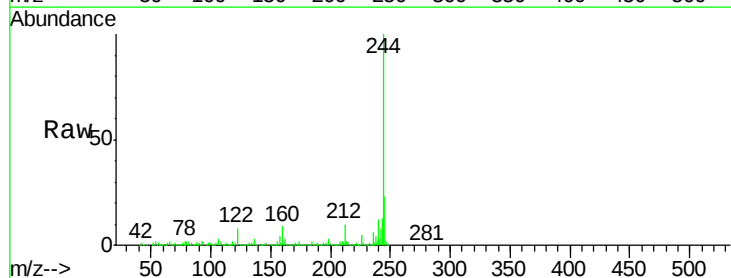
Tgt Ion:184 Resp: 28740

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

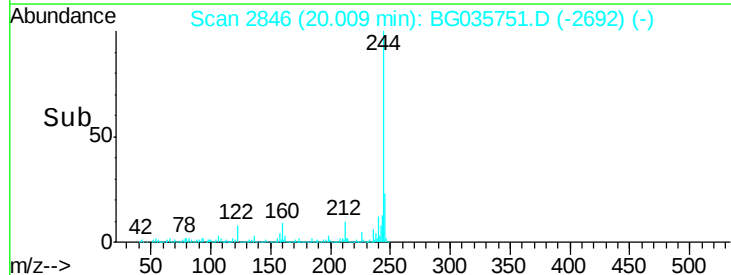
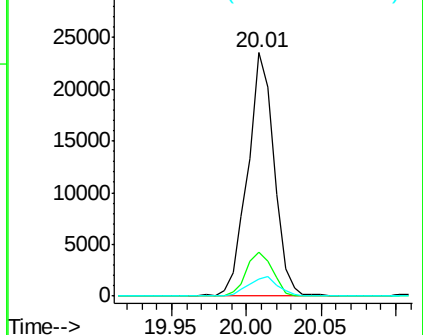
183 7.1 10.6 16.0#

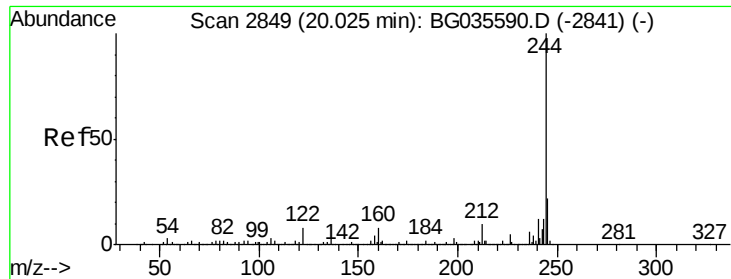


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.202 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

Instrument :

BNA_F

ClientSampleId :

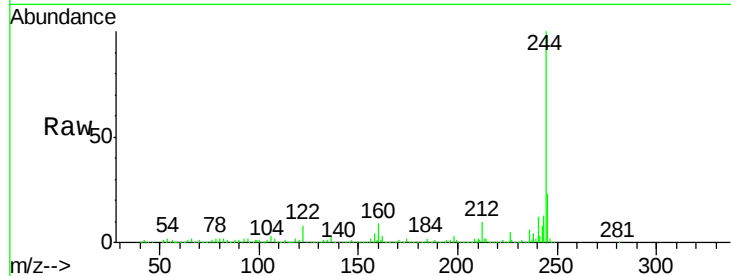
Tgt Ion:244 Resp: 1603009

Ion Ratio Lower Upper

244 100

212 10.1 5.8 8.8#

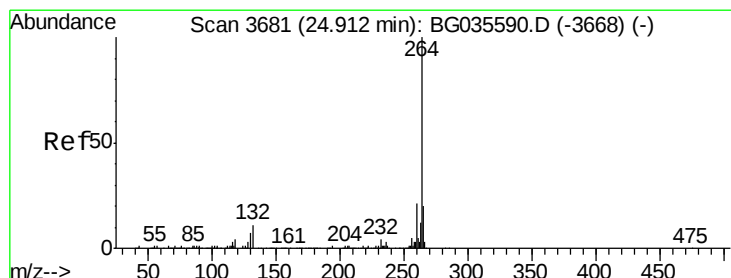
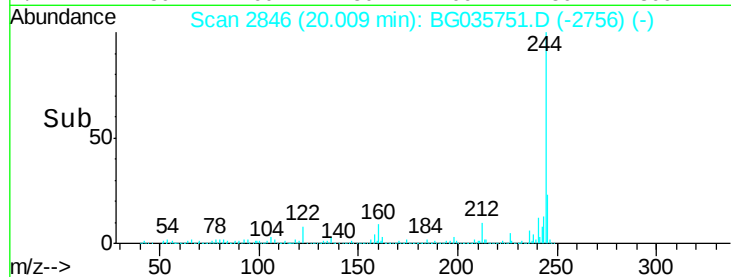
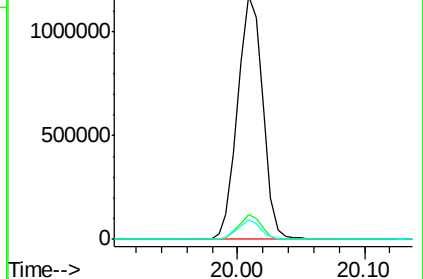
122 7.9 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.87 min Scan# 3674

Delta R.T. -0.01 min

Lab File: BG035751.D

Acq: 19 Jul 2018 13:23

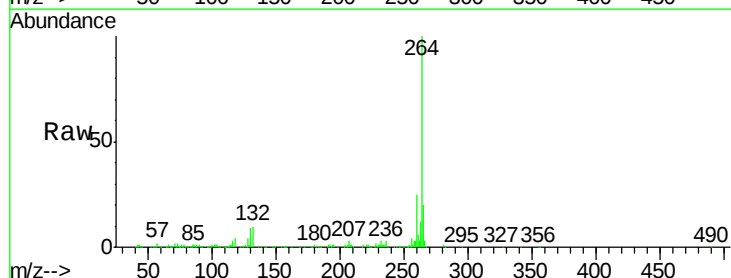
Tgt Ion:264 Resp: 341054

Ion Ratio Lower Upper

264 100

260 25.2 17.4 26.0

265 19.9 17.7 26.5



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

