

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041318\
 Data File : BG033794.D
 Acq On : 13 Apr 2018 12:05
 Operator : SJ/JU
 Sample : J2335-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 14 00:48:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	46835	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	184231	20.00	ng	0.00
38) Acenaphthene-d10	15.47	164	50987	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	196215	20.00	ng	0.00
75) Chrysene-d12	22.56	240	45095	20.00	ng	0.00
86) Perylene-d12	26.30	264	260	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.30	112	345472	138.32	ng	0.02
7) Phenol-d6	8.01	99	259161	60.39	ng	0.04
23) Nitrobenzene-d5	10.06	82	389863	97.23	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	247719	324.85	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	849100	240.41	ng	0.00
78) Terphenyl-d14	20.73	244	885799	420.09	ng	0.00

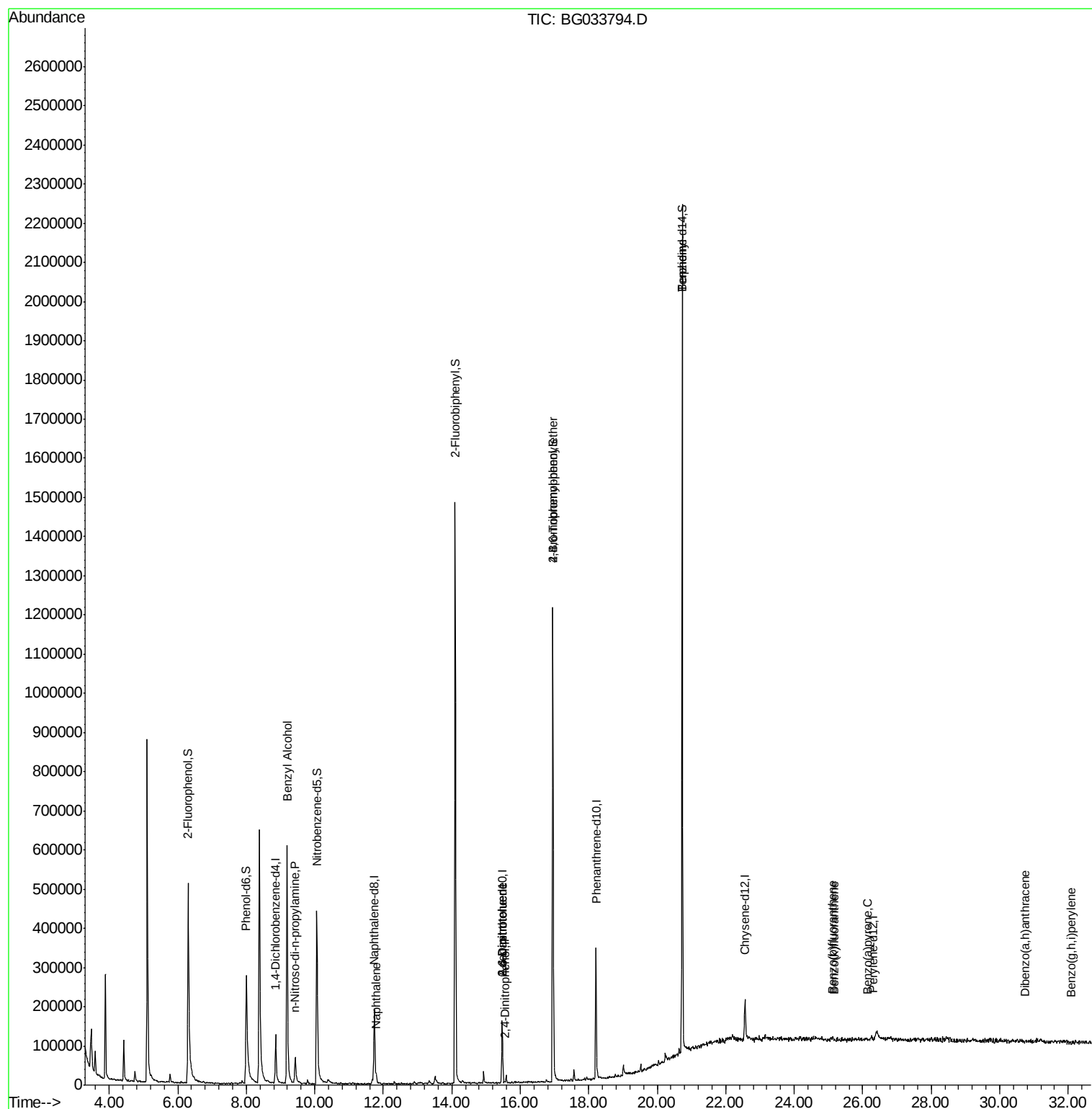
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.19	79	7986	2.363	ng	# 42
19) n-Nitroso-di-n-propylamine	9.43	70	8479	2.696	ng	# 79
31) Naphthalene	11.80	128	19924	2.087	ng	# 89
50) 2,6-Dinitrotoluene	15.47	165	6478	7.140	ng	# 26
53) 2,4-Dinitrophenol	15.56	184	63	7.764	ng	# 1
56) 2,4-Dinitrotoluene	15.47	165	6478	4.849	ng	# 23
66) 4-Bromophenyl-phenylether	16.95	248	18513	8.034	ng	# 1
76) Benzydine	20.73	184	16800	13.738	ng	# 76
87) Benzo(b)fluoranthene	25.10	252	534	35.549	ng	# 20
88) Benzo(k)fluoranthene	25.18	252	321	21.129	ng	# 32
89) Benzo(a)pyrene	26.14	252	95	6.586	ng	# 1
90) Dibenzo(a,h)anthracene	30.74	278	63	4.636	ng	# 1
91) Benzo(a,h,i)perylene	32.08	276	222	16.499	ng	# 1

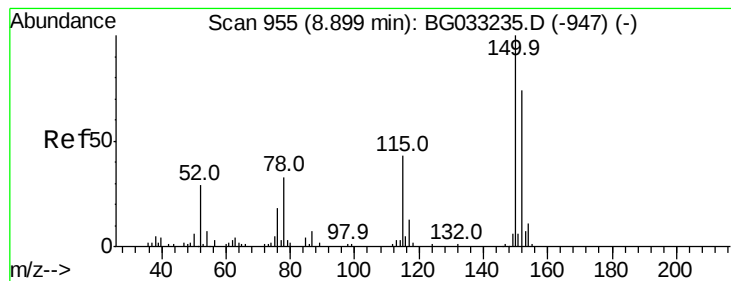
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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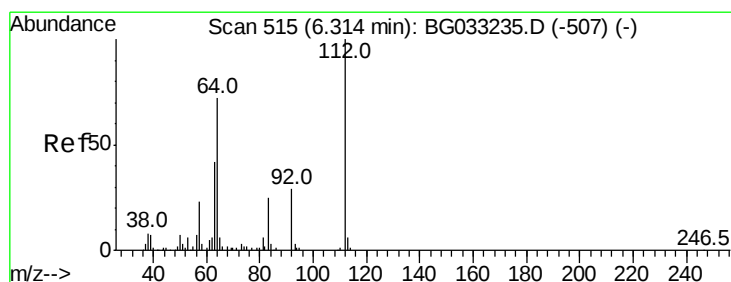
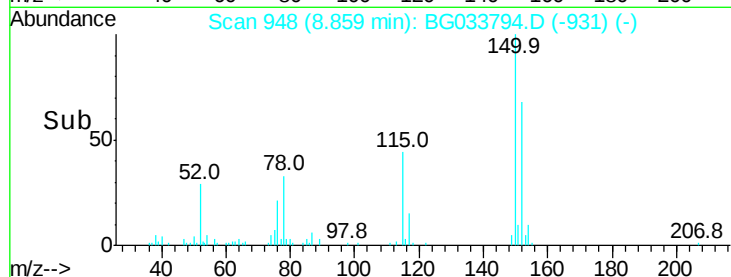
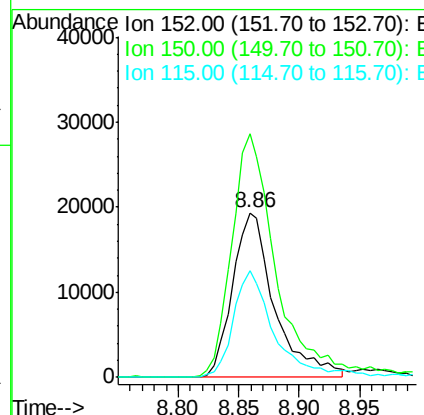
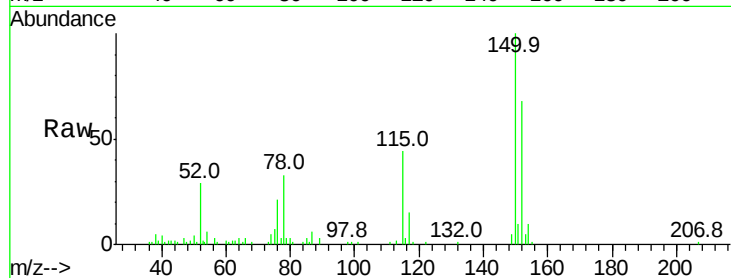


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. 0.00 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

Instrument :
BNA_G
ClientSampled :

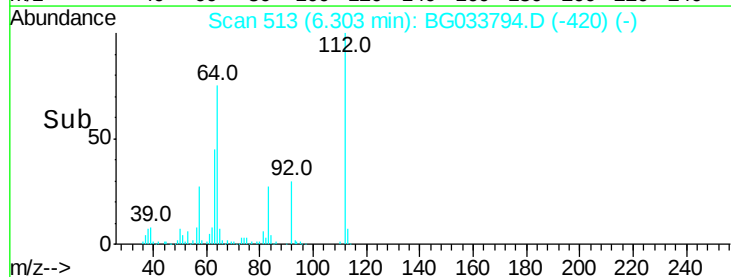
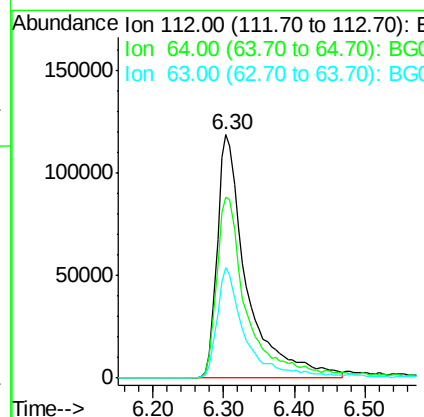
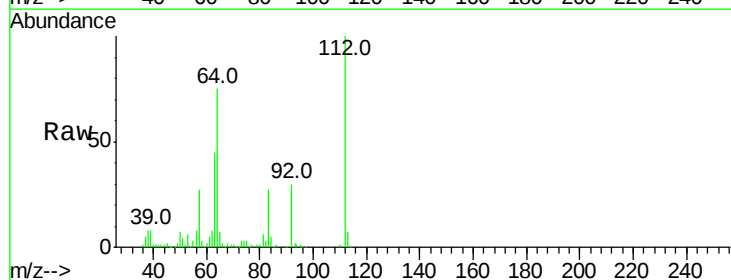
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.9	126.6	189.8
115	64.7	53.0	79.4

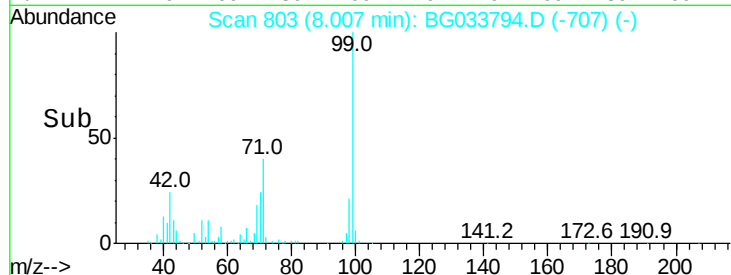
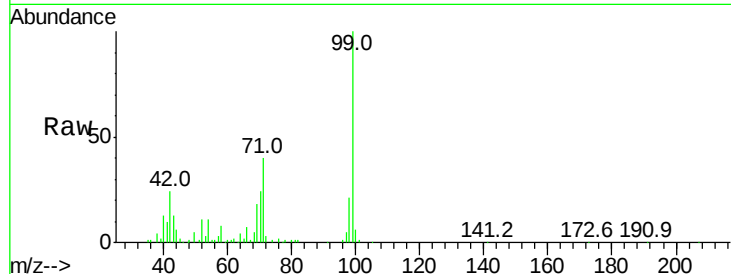
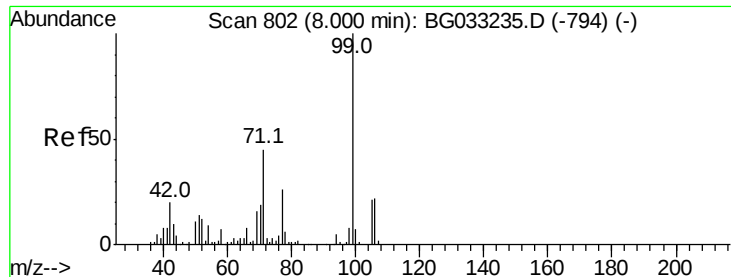


#5

2-Fluorophenol
Concen: 138.316 ng
RT: 6.30 min Scan# 513
Delta R.T. 0.02 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.6	56.3	84.5
63	45.2	30.1	45.1





#7

Phenol-d6

Concen: 60.388 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.04 min

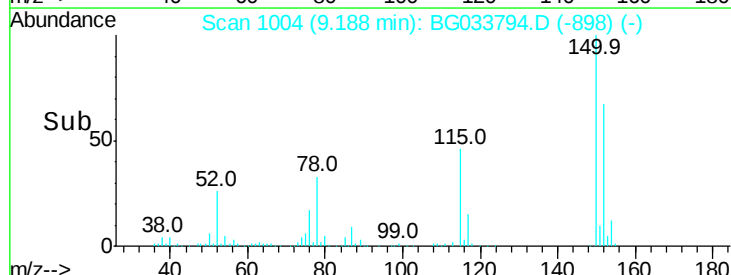
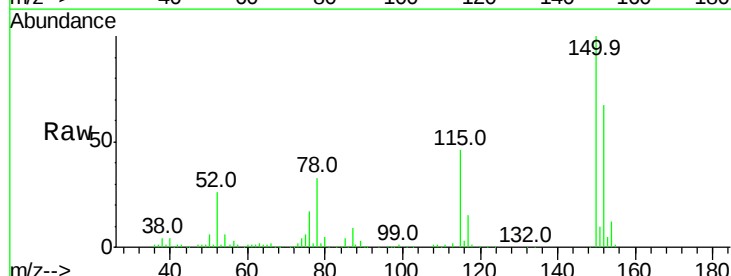
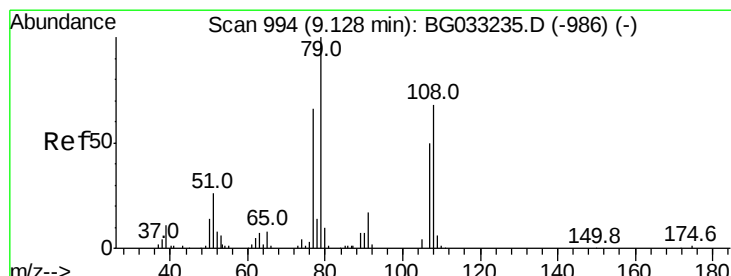
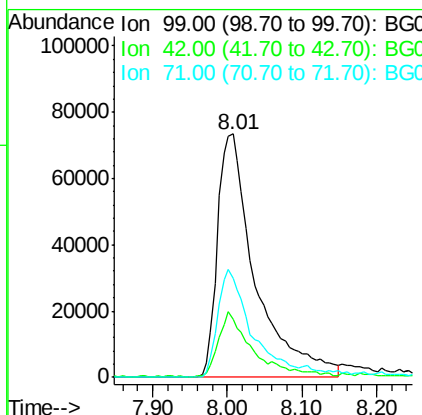
Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 99 Resp: 259161

Ion	Ratio	Lower	Upper
99	100		
42	23.8	14.1	21.1#
71	40.4	26.1	39.1#



#15

Benzyl Alcohol

Concen: 2.363 ng

RT: 9.19 min Scan# 1004

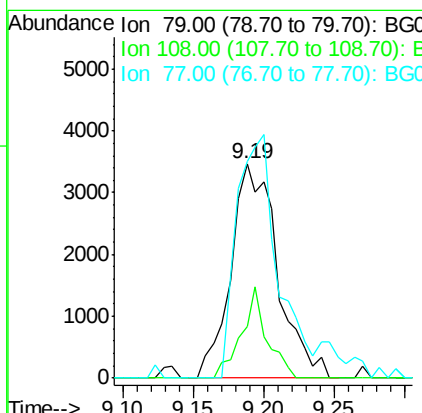
Delta R.T. 0.10 min

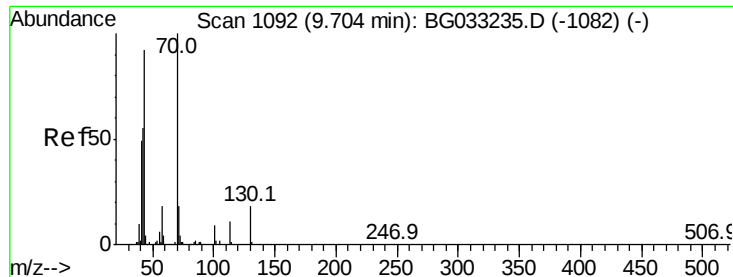
Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Tgt Ion: 79 Resp: 7986

Ion	Ratio	Lower	Upper
79	100		
108	24.1	57.2	85.8#
77	101.0	46.1	69.1#

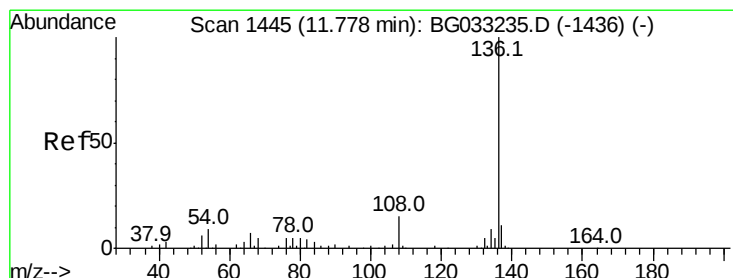
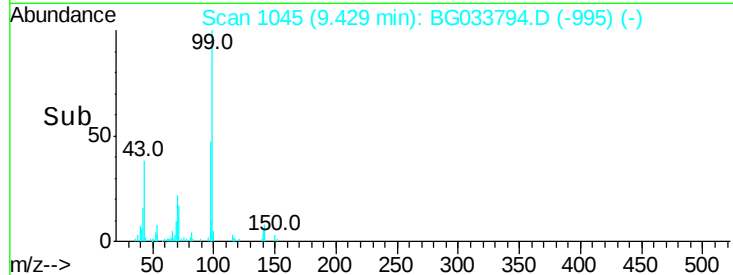
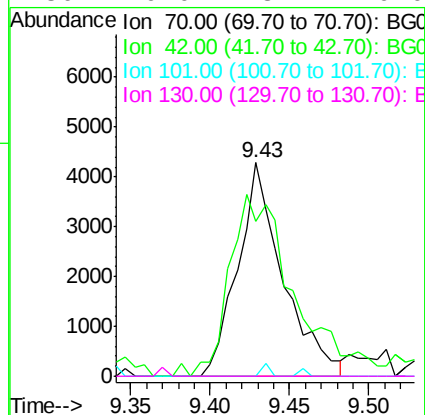
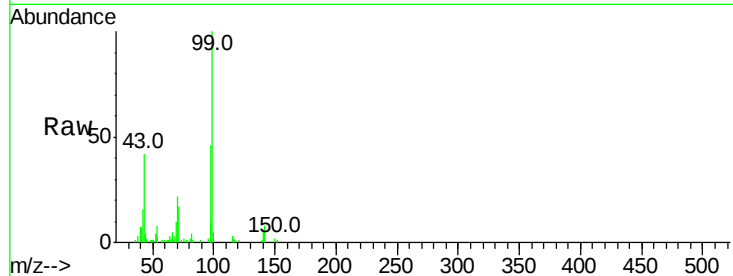




#19
n-Nitroso-di-n-propylamine
Concen: 2.696 ng
RT: 9.43 min Scan# 1045
Delta R.T. -0.23 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

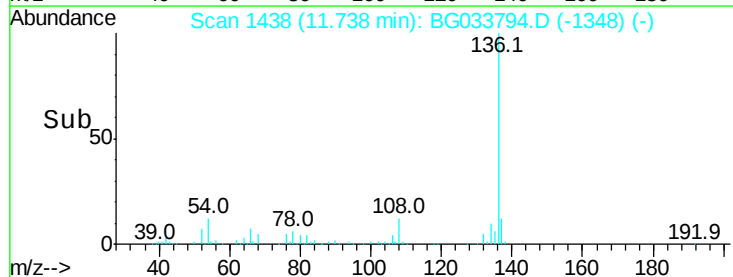
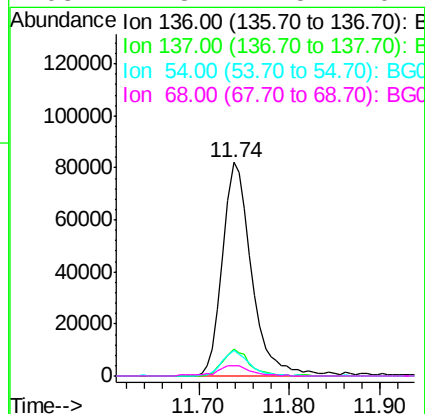
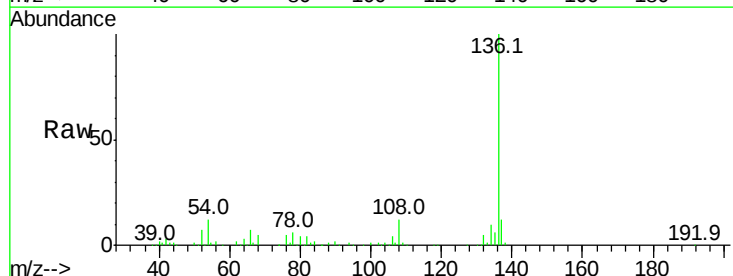
Instrument :
BNA_G
ClientSampleId :

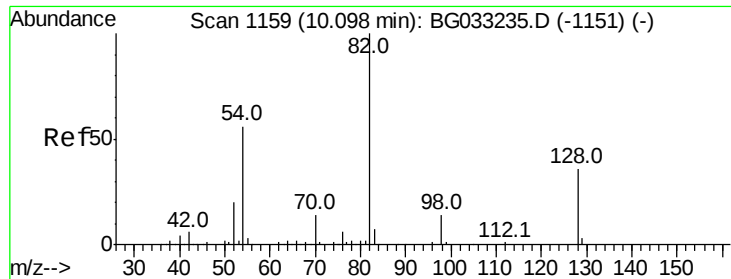
Tot Ion: 70 Resp: 8479
Ion Ratio Lower Upper
70 100
42 72.3 49.1 73.7
101 0.0 8.5 12.7#
130 0.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.74 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

Tgt Ion: 136 Resp: 184231
Ion Ratio Lower Upper
136 100
137 12.4 9.2 13.8
54 11.9 10.3 15.5
68 4.8 4.5 6.7

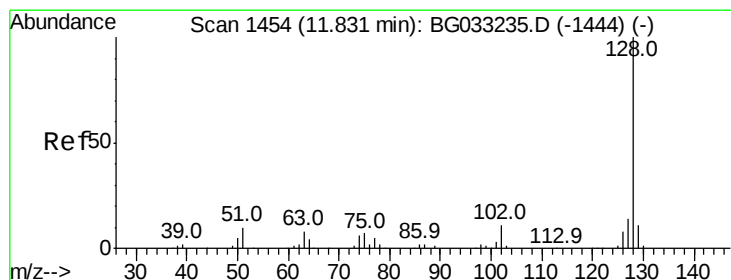
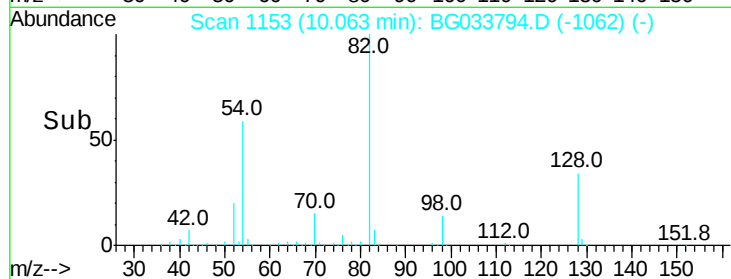
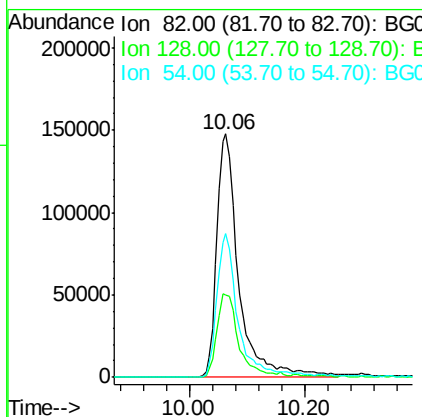
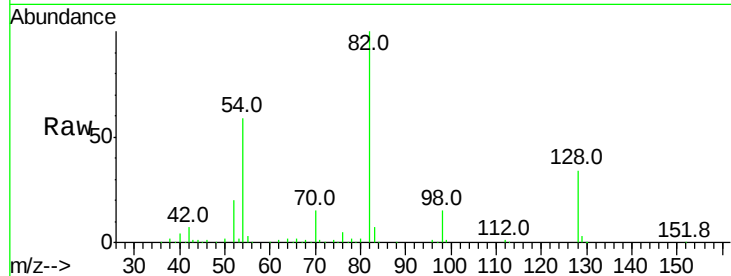




#23
 Nitrobenzene-d5
 Concen: 97.225 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: BG033794.D
 Acq: 13 Apr 2018 12:05

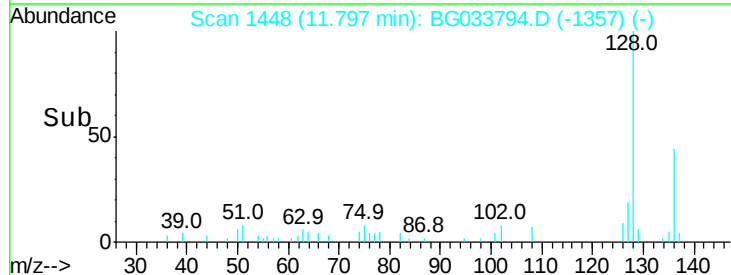
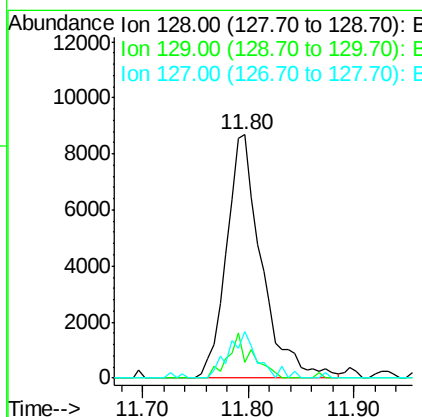
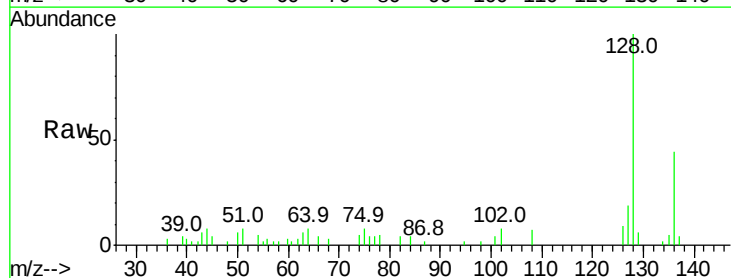
Instrument :
 BNA_G
 ClientSampleId :

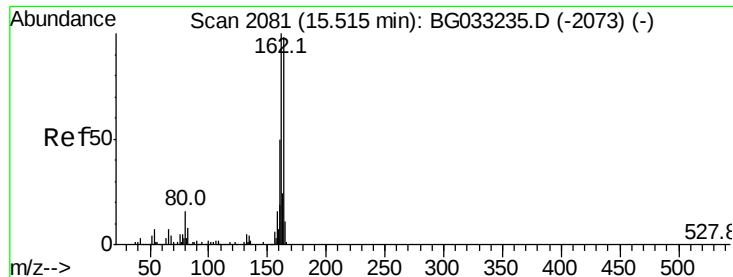
Tot Ion	82	Resp	389863
Ion	Ratio	Lower	Upper
82	100		
128	34.0	29.7	44.5
54	58.9	43.1	64.7



#31
 Naphthalene
 Concen: 2.087 ng
 RT: 11.80 min Scan# 1448
 Delta R.T. 0.01 min
 Lab File: BG033794.D
 Acq: 13 Apr 2018 12:05

Tgt Ion	128	Resp	19924
Ion	Ratio	Lower	Upper
128	100		
129	6.4	8.6	12.8#
127	19.0	11.6	17.4#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Instrument :

BNA_G

ClientSampleId :

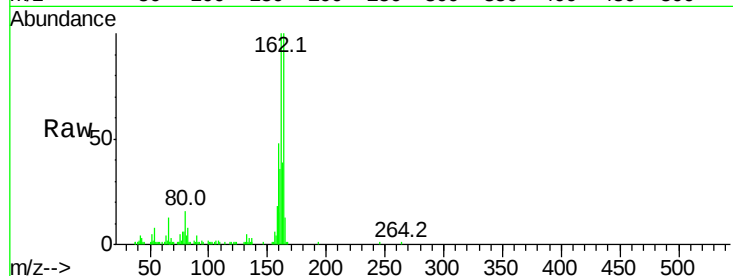
Tot Ion:164 Resp: 50987

Ion Ratio Lower Upper

164 100

162 100.2 78.8 118.2

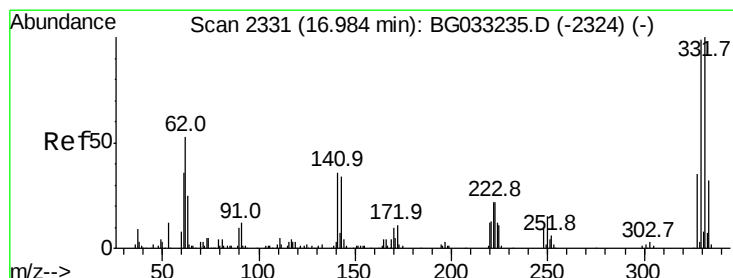
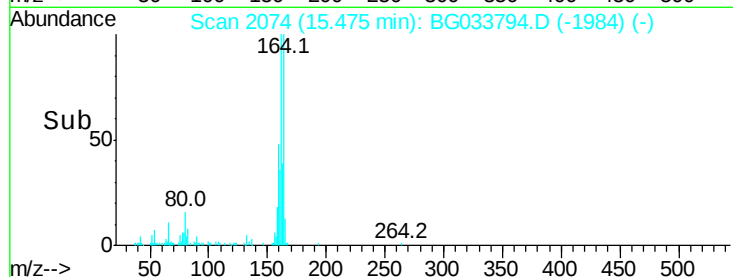
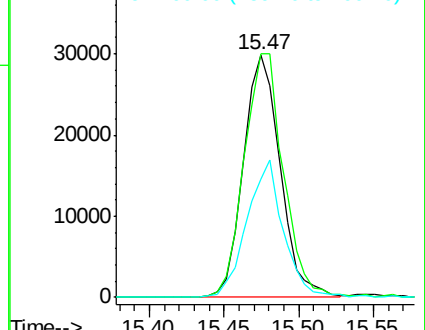
160 48.5 35.4 53.0



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: 324.848 ng

RT: 16.96 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

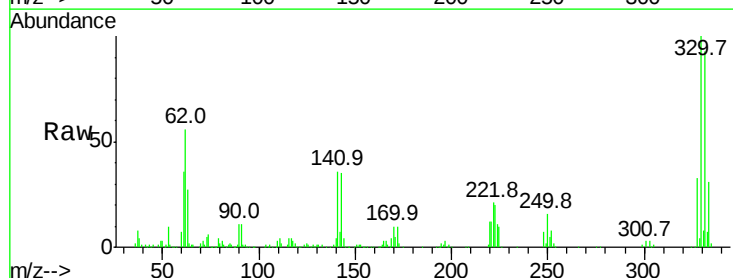
Tgt Ion:330 Resp: 247719

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

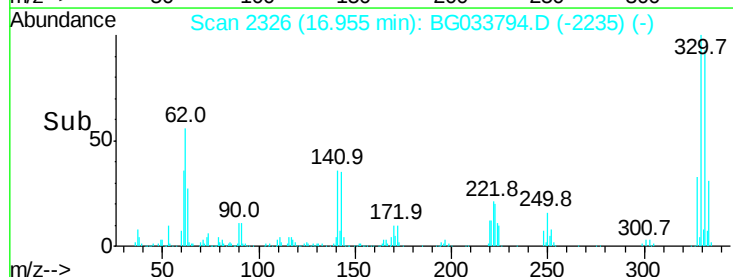
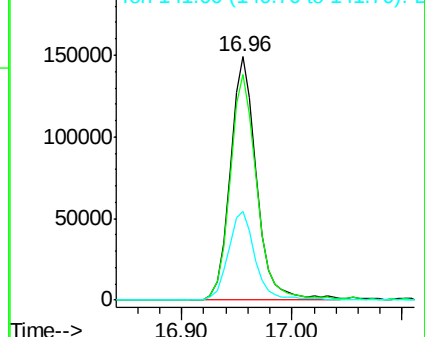
141 37.7 25.2 37.8

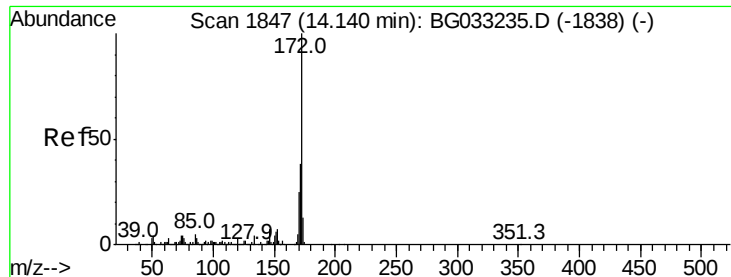


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

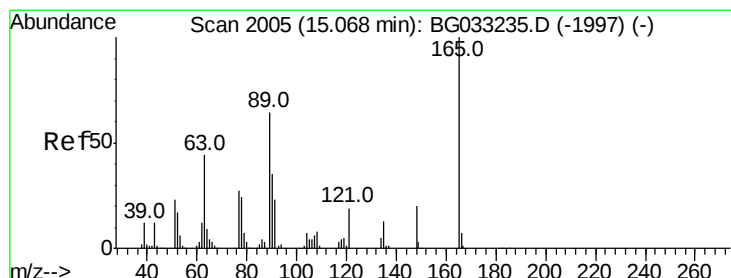
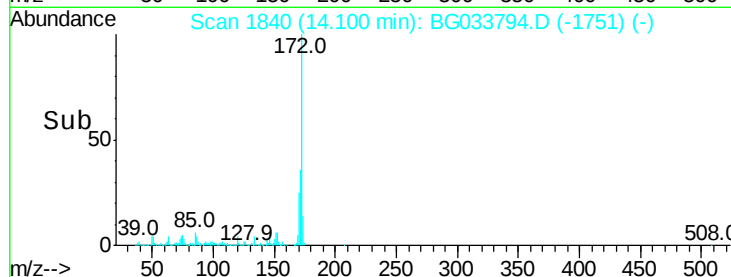
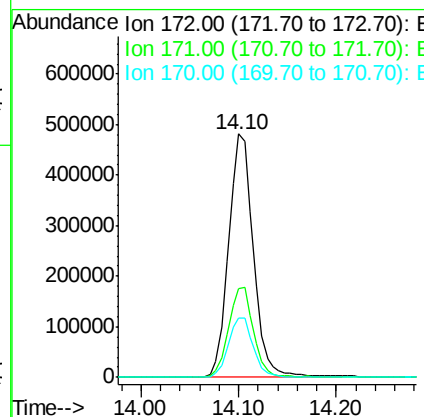
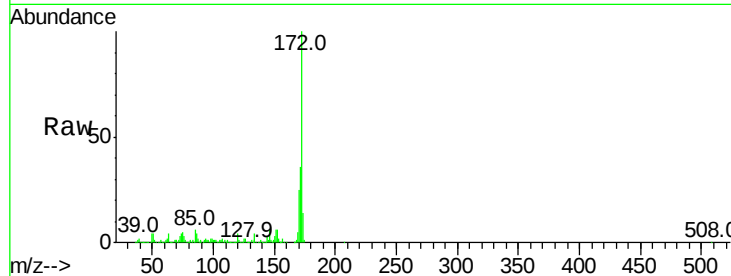




#44
2-Fluorobiphenyl
Concen: 240.412 ng
RT: 14.10 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

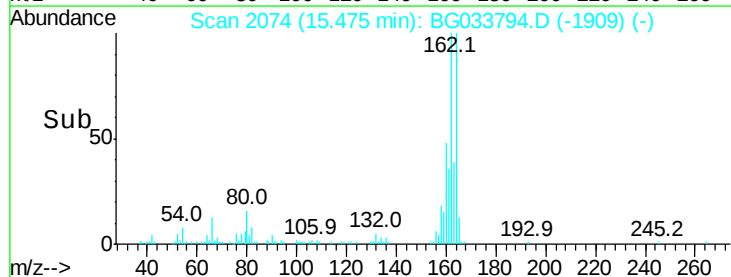
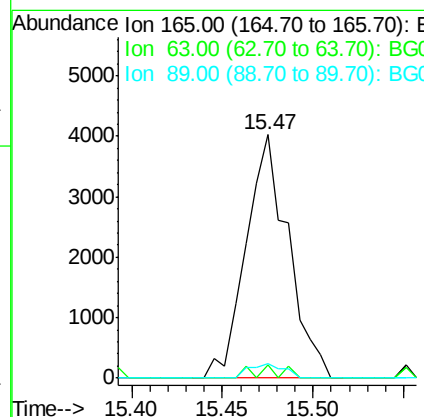
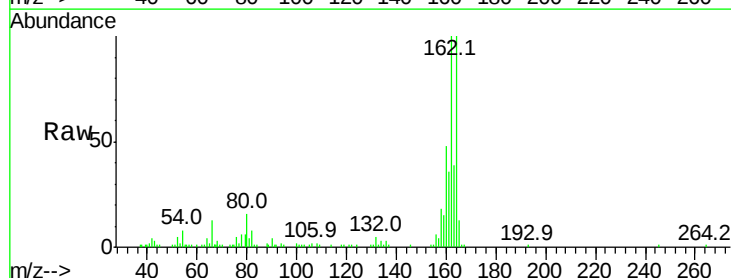
Instrument :
BNA_G
ClientSampleId :

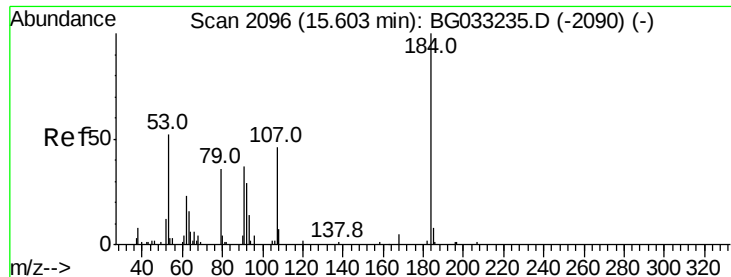
Tot Ion:172 Resp: 849100
Ion Ratio Lower Upper
172 100
171 36.3 30.0 45.0
170 24.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.140 ng
RT: 15.47 min Scan# 2074
Delta R.T. 0.44 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

Tgt Ion:165 Resp: 6478
Ion Ratio Lower Upper
165 100
63 5.5 52.7 79.1#
89 5.7 49.2 73.8#

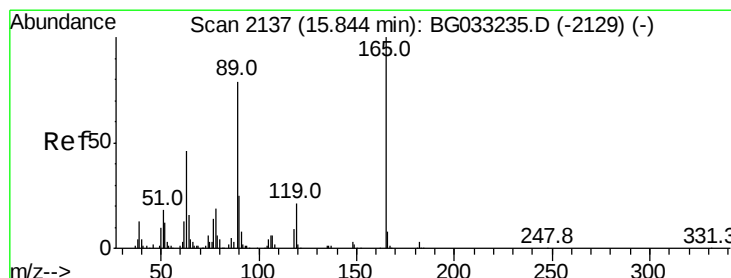
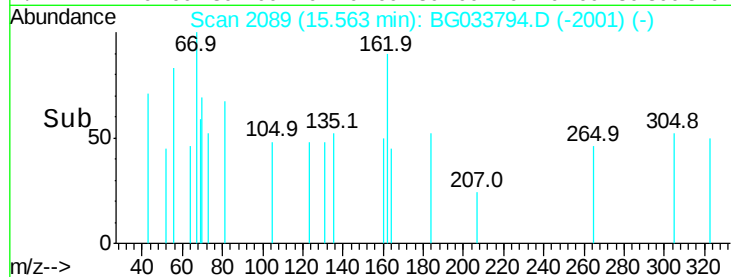
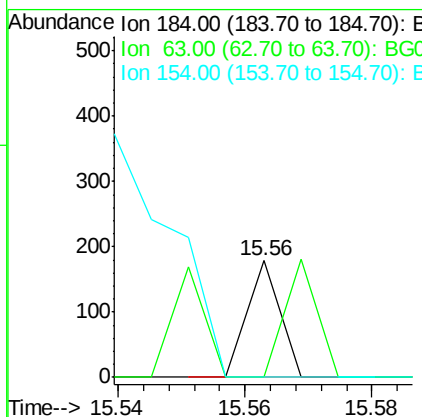
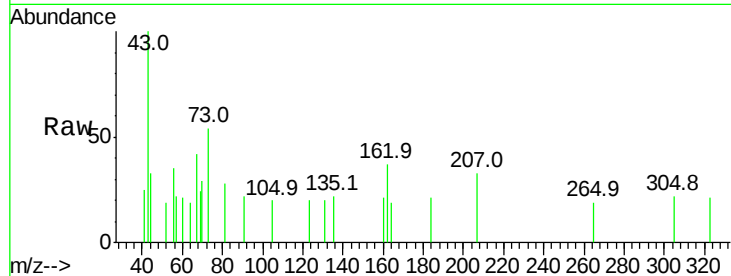




#53
2,4-Dinitrophenol
Concen: 7.764 ng
RT: 15.56 min Scan# 2089
Delta R.T. -0.01 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

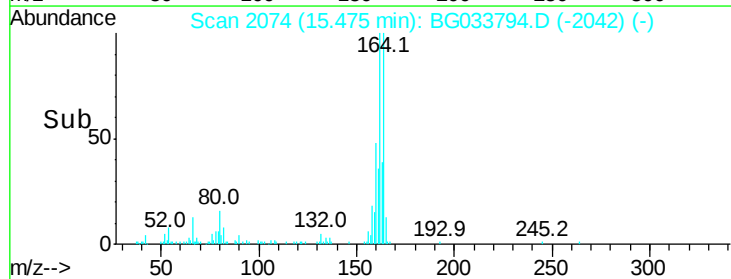
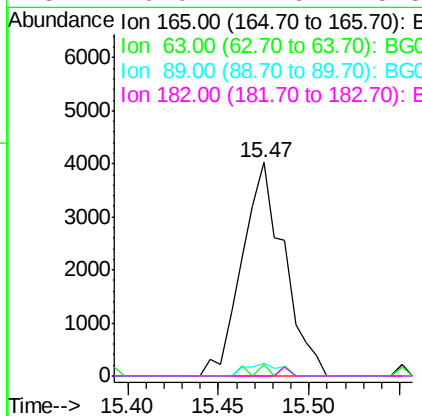
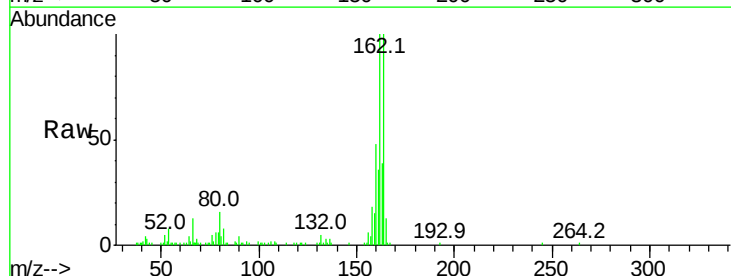
Instrument :
BNA_G
ClientSampled :

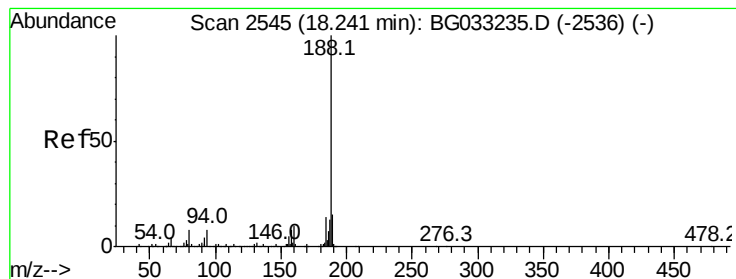
Tot Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 4.849 ng
RT: 15.47 min Scan# 2074
Delta R.T. -0.34 min
Lab File: BG033794.D
Acq: 13 Apr 2018 12:05

Tgt Ion:165 Resp: 6478
Ion Ratio Lower Upper
165 100
63 5.5 42.0 63.0#
89 5.7 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. 0.00 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Instrument :

BNA_G

ClientSampleId :

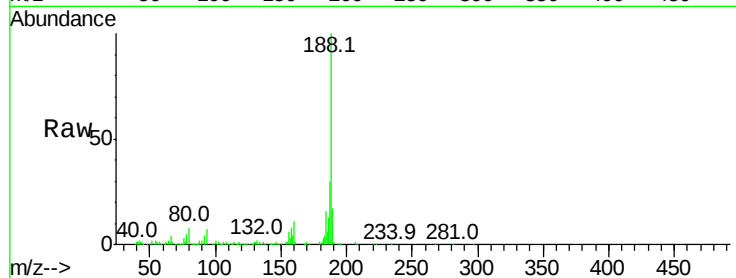
Tot Ion:188 Resp: 196215

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

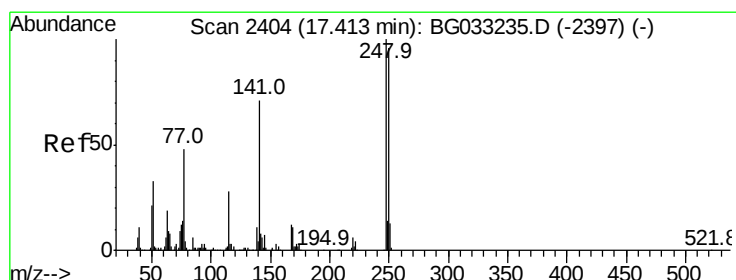
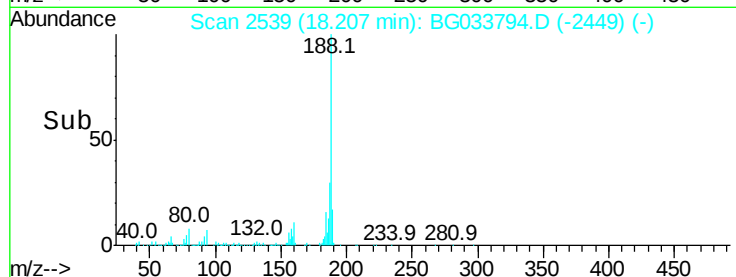
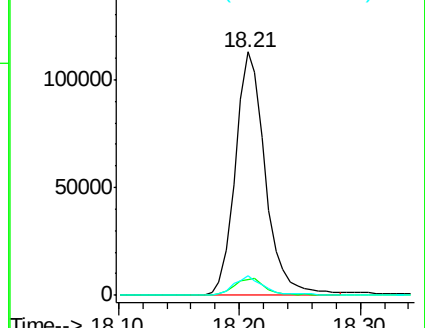
80 7.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 8.034 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.43 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

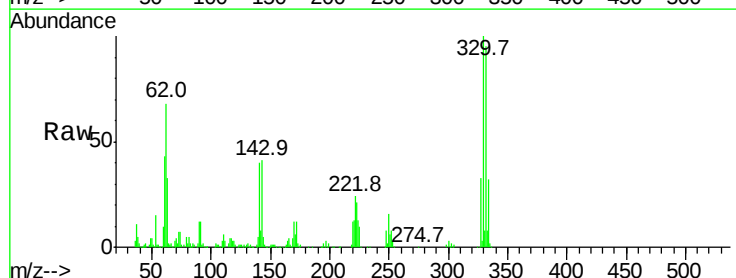
Tgt Ion:248 Resp: 18513

Ion Ratio Lower Upper

248 100

250 190.6 77.1 115.7#

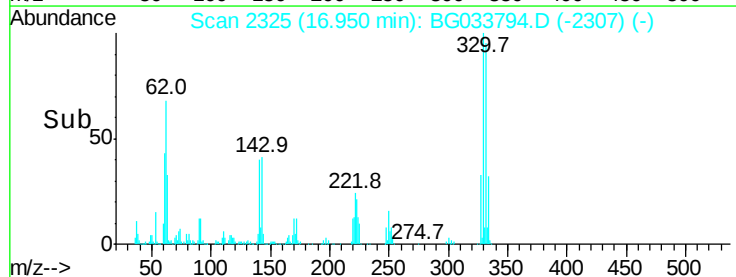
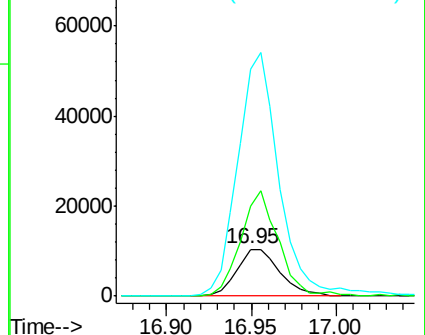
141 482.4 50.8 76.2#

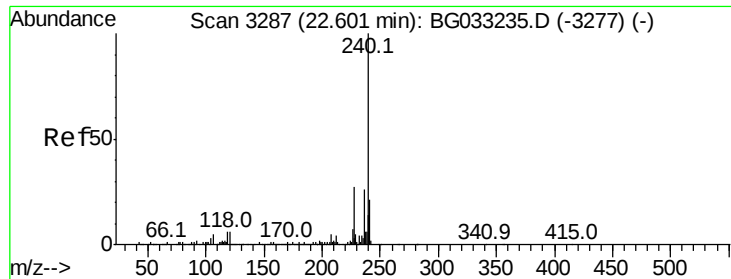


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. 0.01 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Instrument :

BNA_G

ClientSampleId :

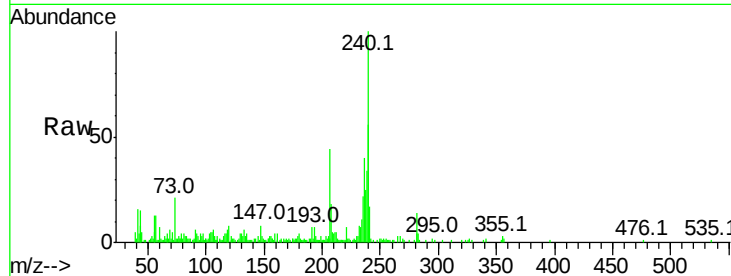
Tot Ion:240 Resp: 45095

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

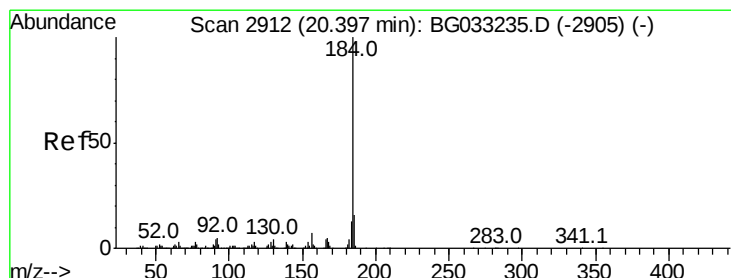
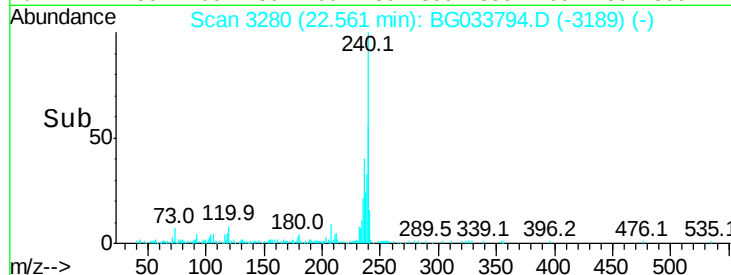
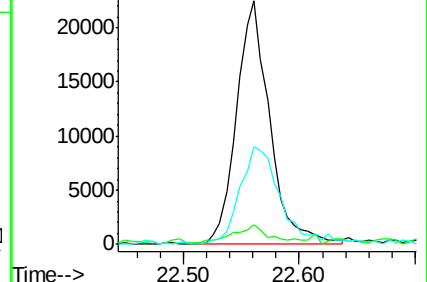
236 39.9 20.9 31.3#



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: 13.738 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.37 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

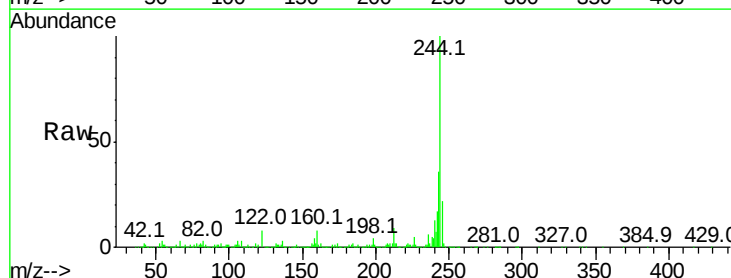
Tgt Ion:184 Resp: 16800

Ion Ratio Lower Upper

184 100

185 18.7 11.1 16.7#

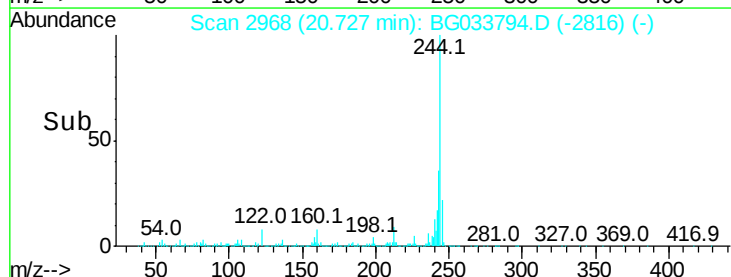
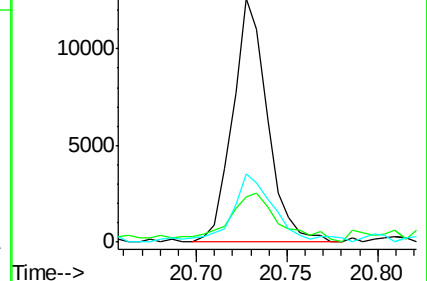
183 27.9 10.6 16.0#

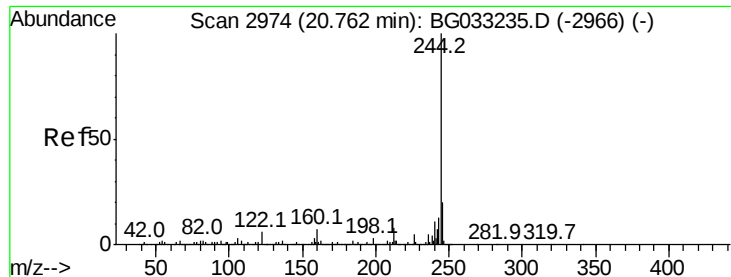


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 420.085 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Instrument :

BNA_G

ClientSampleId :

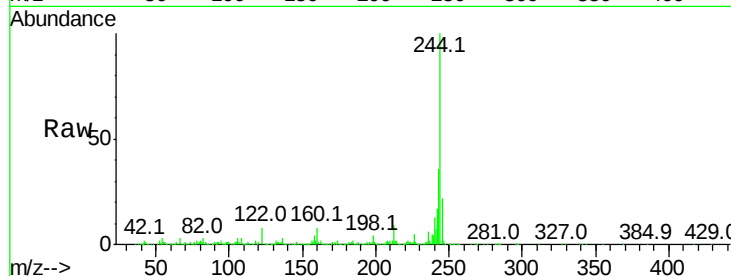
Tot Ion:244 Resp: 885799

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

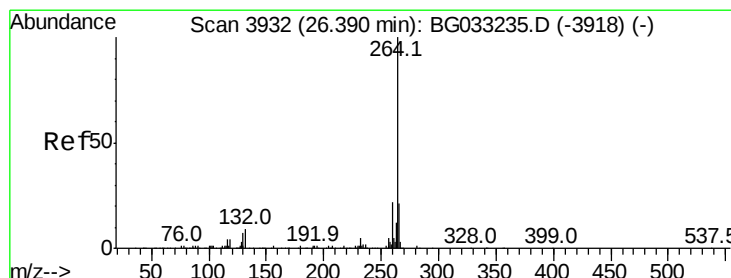
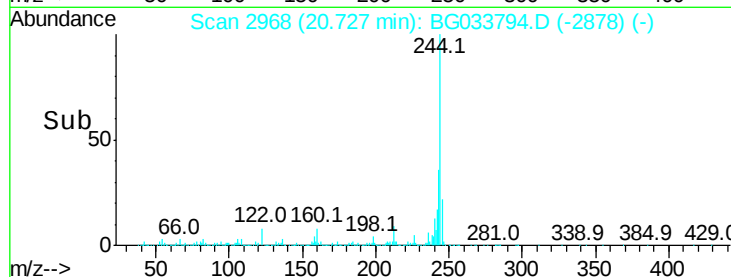
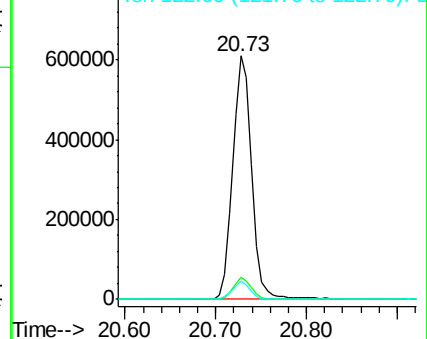
122 7.6 7.0 10.4



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: 26.30 min Scan# 3917

Delta R.T. -0.00 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

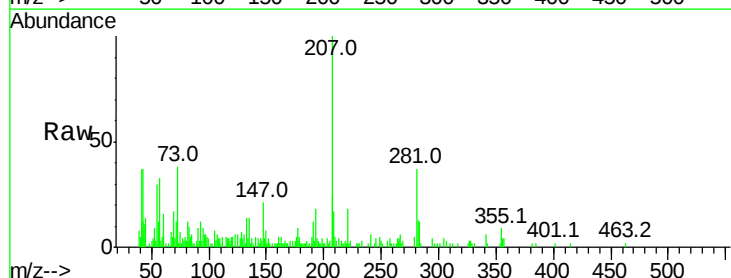
Tgt Ion:264 Resp: 260

Ion Ratio Lower Upper

264 100

260 0.0 17.4 26.0#

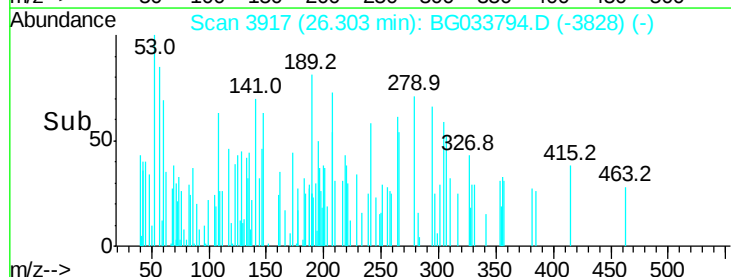
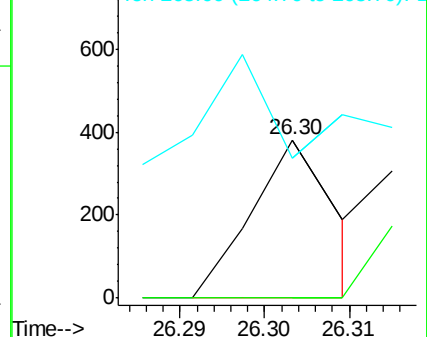
265 88.7 17.7 26.5#

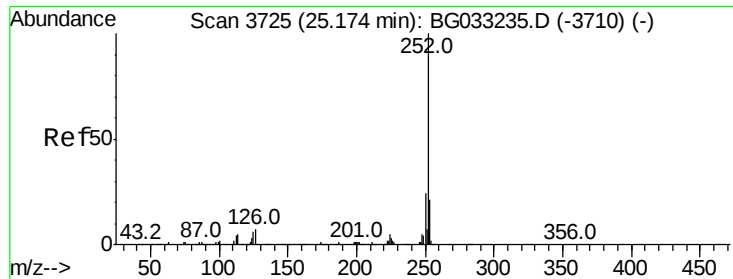


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 35.549 ng

RT: 25.10 min Scan# 3713

Delta R.T. 0.01 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Instrument :

BNA_G

ClientSampleId :

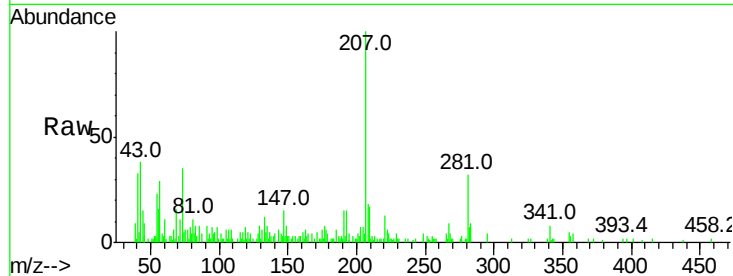
Tot Ion:252 Resp: 534

Ion Ratio Lower Upper

252 100

253 57.2 18.2 27.4#

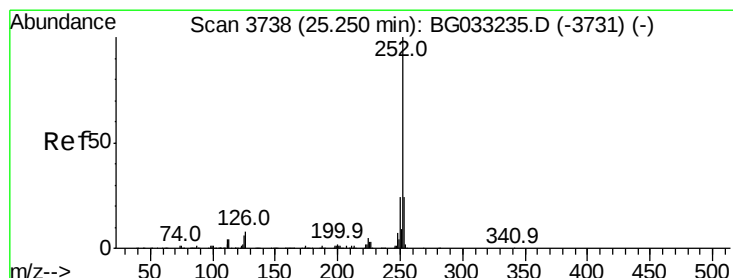
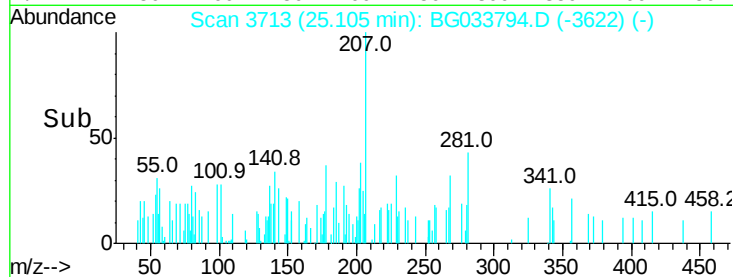
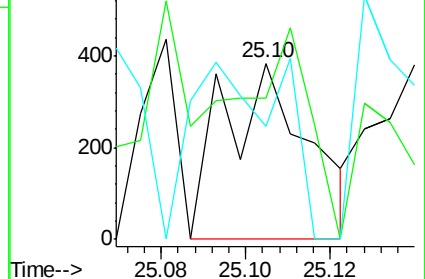
125 45.9 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 21.129 ng

RT: 25.18 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

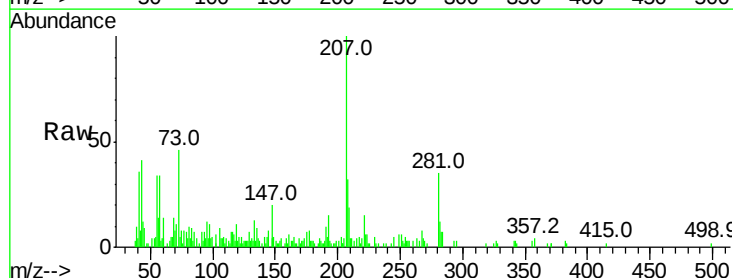
Tgt Ion:252 Resp: 321

Ion Ratio Lower Upper

252 100

253 40.6 17.4 26.2#

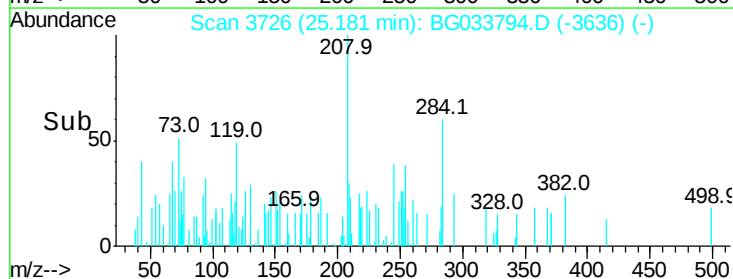
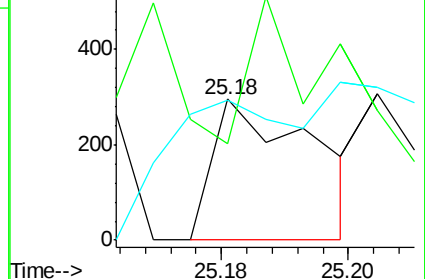
125 59.0 6.6 9.8#

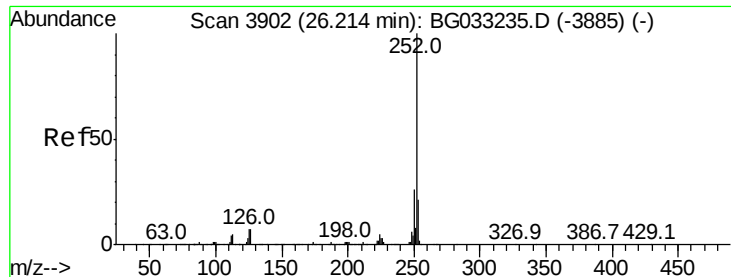


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.586 ng

RT: 26.14 min Scan# 3889

Delta R.T. 0.01 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

Instrument :

BNA_G

ClientSampleId :

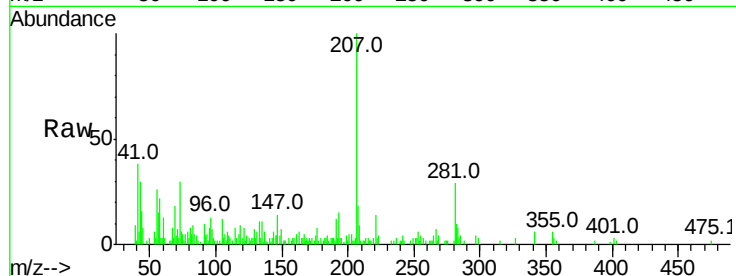
Tot Ion:252 Resp: 95

Ion Ratio Lower Upper

252 100

253 245.5 18.3 27.5#

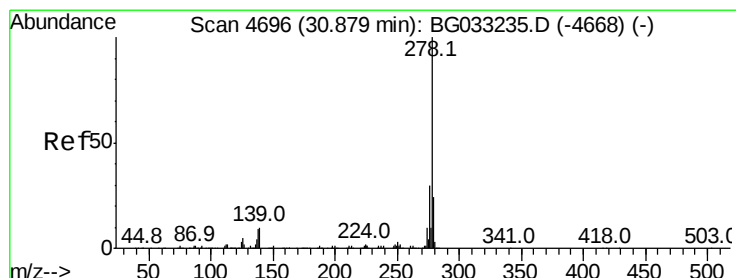
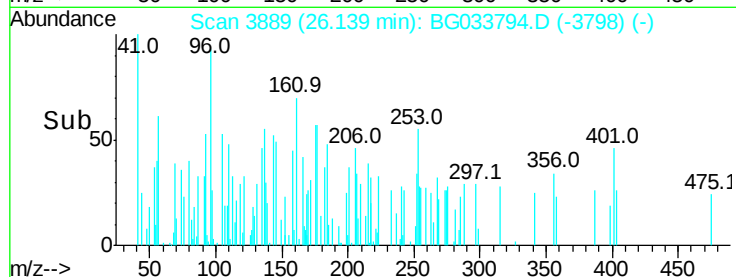
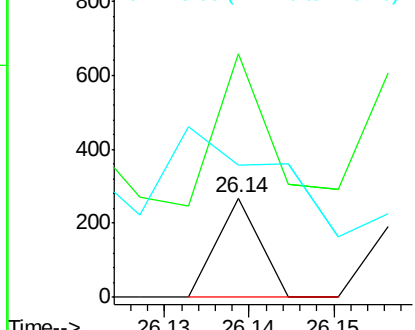
125 133.6 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 4.636 ng

RT: 30.74 min Scan# 4672

Delta R.T. -0.01 min

Lab File: BG033794.D

Acq: 13 Apr 2018 12:05

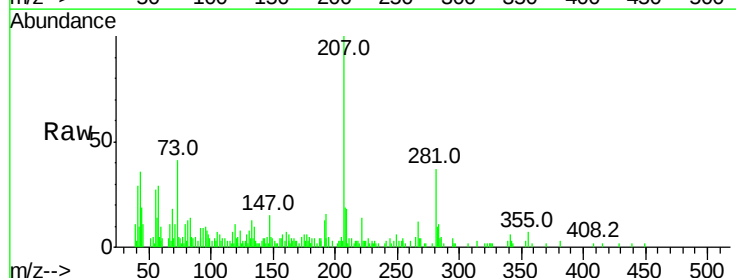
Tgt Ion:278 Resp: 63

Ion Ratio Lower Upper

278 100

139 106.2 9.8 14.6#

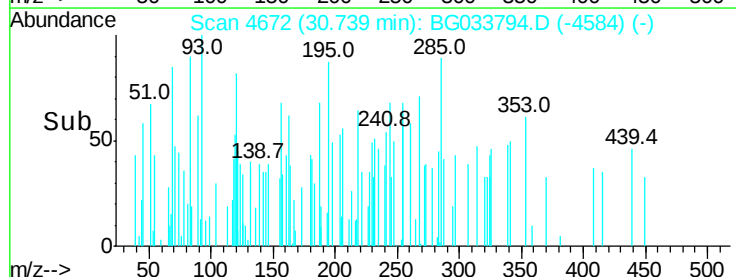
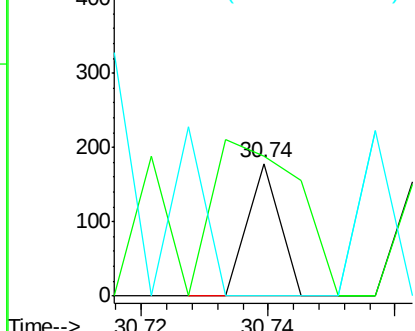
279 0.0 18.4 27.6#

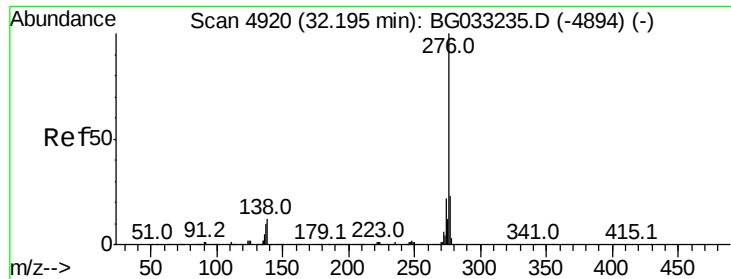


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

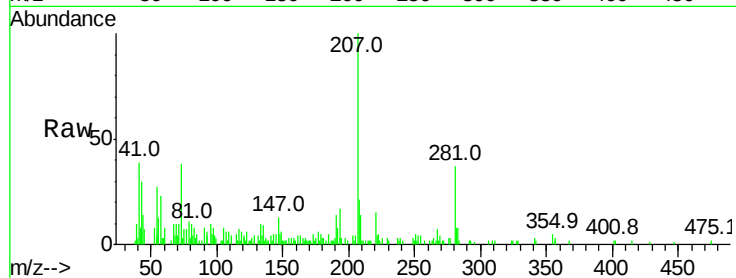




#91
 Benzo(a,h,i)perylene
 Concen: 16.499 ng
 RT: 32.08 min Scan# 4901
 Delta R.T. 0.03 min
 Lab File: BG033794.D
 Acq: 13 Apr 2018 12:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	118.5	18.3	27.5#
138	55.1	13.9	20.9#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

