

Data File : BG033394.D
Acq On : 28 Mar 2018 20:13
Operator : SJ/JU
Sample : J2097-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PZ-4

Quant Time: Mar 29 06:31:40 2018
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	44318	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	186279	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	140813	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	328561	20.00	ng	0.00
75) Chrysene-d12	22.56	240	337206	20.00	ng	0.00
86) Perylene-d12	26.33	264	370939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	164390	69.55	ng	0.02
7) Phenol-d6	7.99	99	163168	40.18	ng	0.01
23) Nitrobenzene-d5	10.06	82	378197	93.28	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	275715	130.92	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	940023	96.37	ng	0.00
78) Terphenyl-d14	20.73	244	1414939	89.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	52437	17.62	ng	# 73
50) 2,6-Dinitrotoluene	15.48	165	18244	7.28	ng	# 19
53) 2,4-Dinitrophenol	15.59	184	69	7.69	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	18244	4.94	ng	# 17
66) 4-Bromophenyl-phenylether	16.96	248	20161	5.22	ng	# 1
76) Benzidine	20.73	184	23572	2.58	ng	95

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

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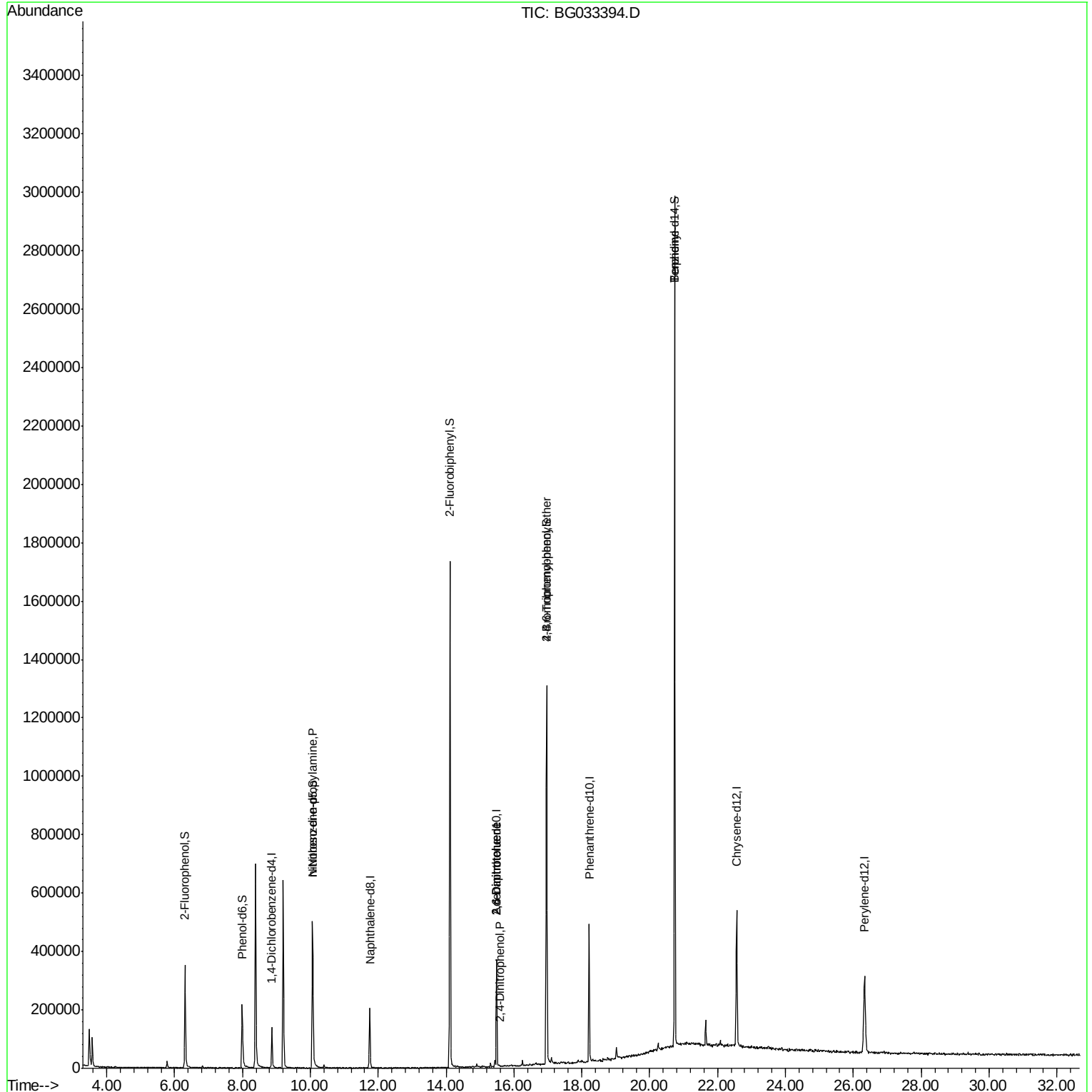
Quant Time: Mar 29 06:31:40 2018

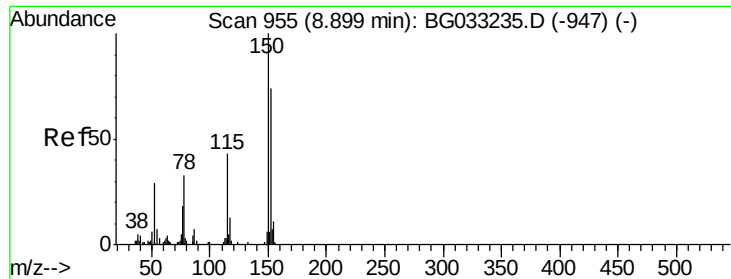
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M

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QLast Update : Wed Mar 28 18:34:58 2018

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.87 min Scan# 949

Delta R.T. -0.01 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

Instrument :

BNA_G

ClientSampleId :

PZ-4

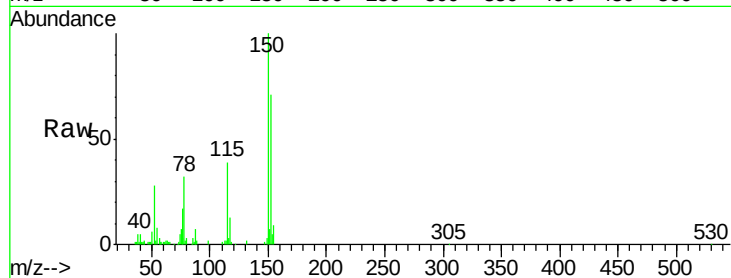
Tgt Ion:152 Resp: 44318

Ion Ratio Lower Upper

152 100

150 141.1 126.6 189.8

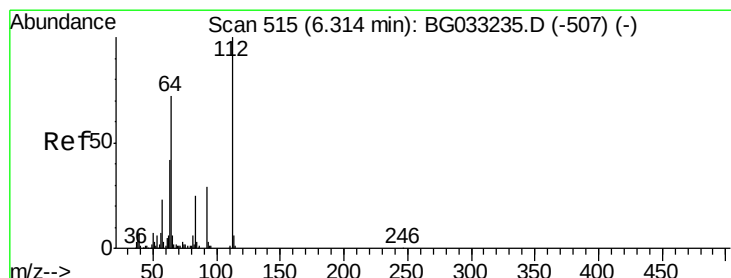
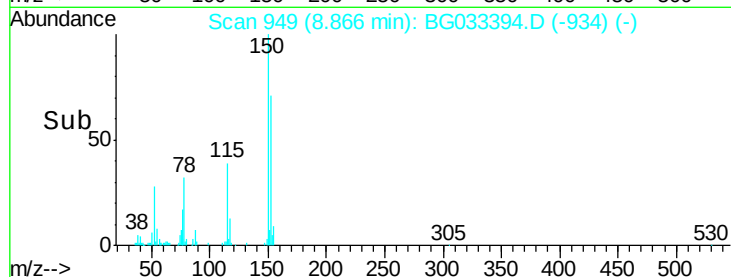
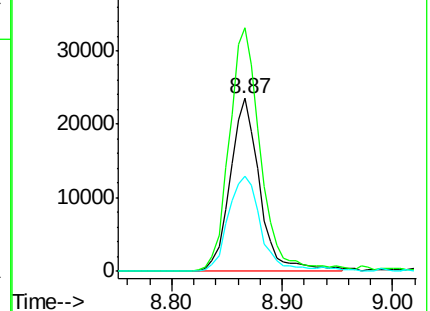
115 55.0 53.0 79.4



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: 69.55 ng

RT: 6.31 min Scan# 514

Delta R.T. 0.02 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

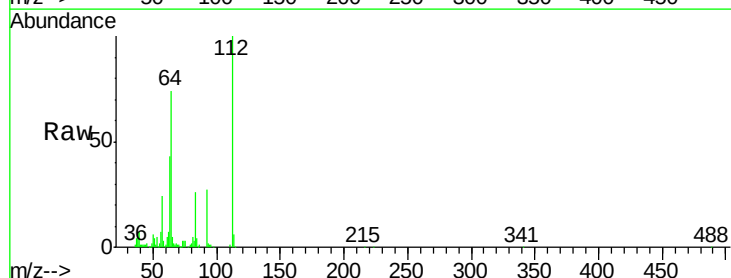
Tgt Ion:112 Resp: 164390

Ion Ratio Lower Upper

112 100

64 73.5 56.3 84.5

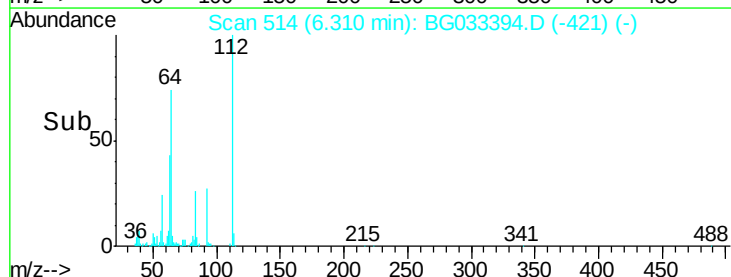
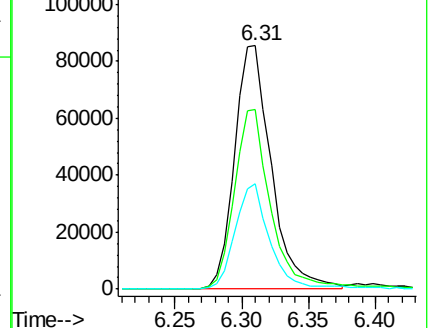
63 43.0 30.1 45.1

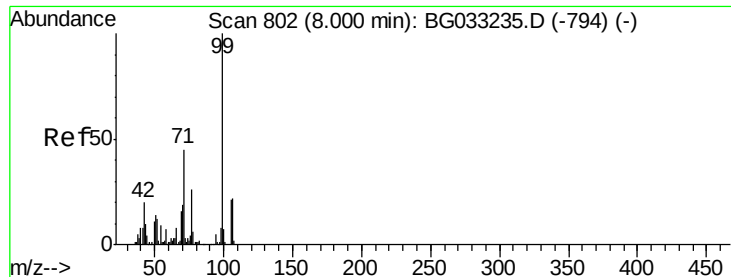


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 40.18 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

Instrument :

BNA_G

ClientSampleId :

PZ-4

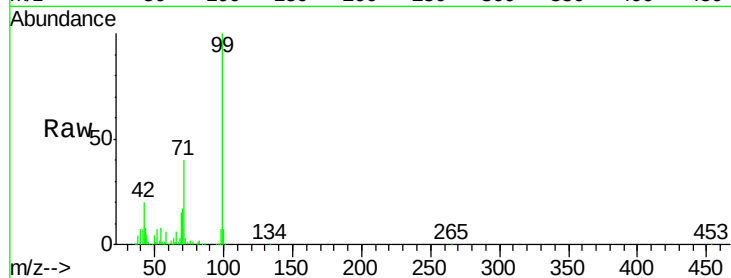
Tgt Ion: 99 Resp: 163168

Ion Ratio Lower Upper

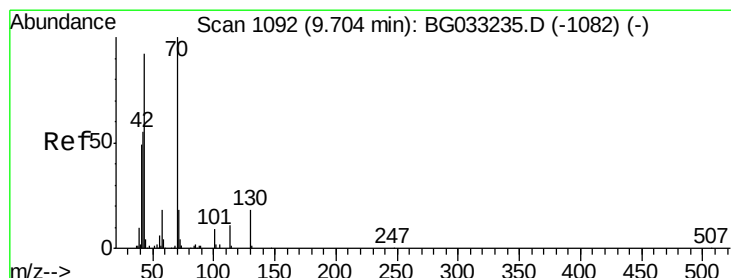
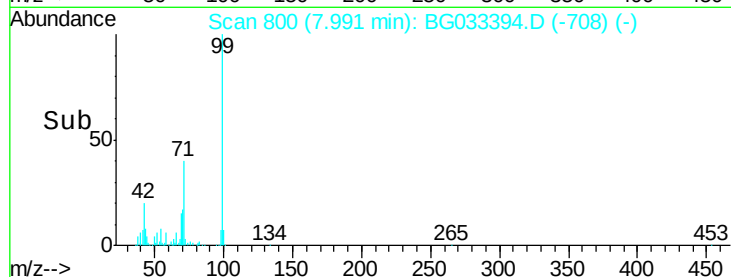
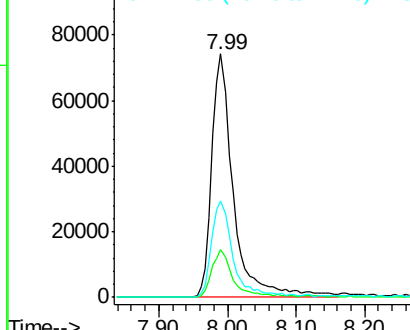
99 100

42 19.6 14.1 21.1

71 39.7 26.1 39.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.62 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.39 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

Tgt Ion: 70 Resp: 52437

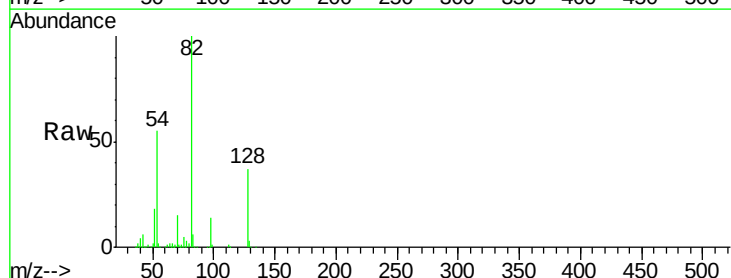
Ion Ratio Lower Upper

70 100

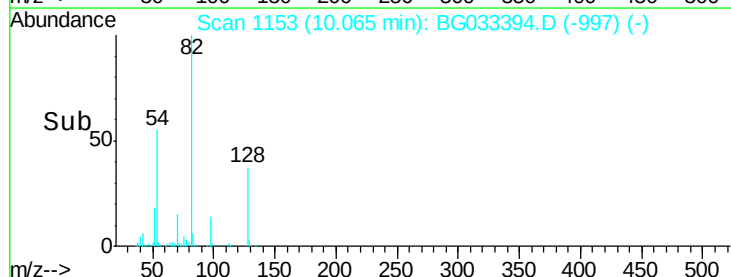
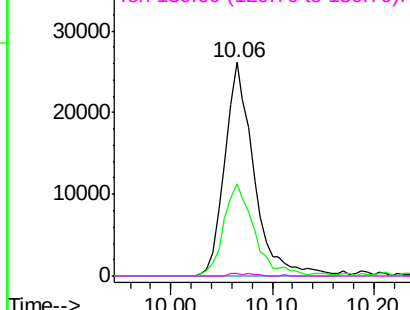
42 43.1 49.1 73.7#

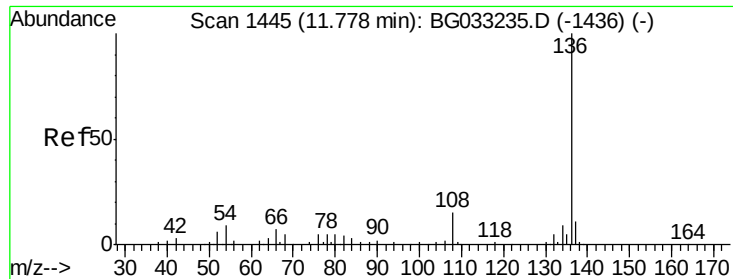
101 0.0 8.5 12.7#

130 1.4 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

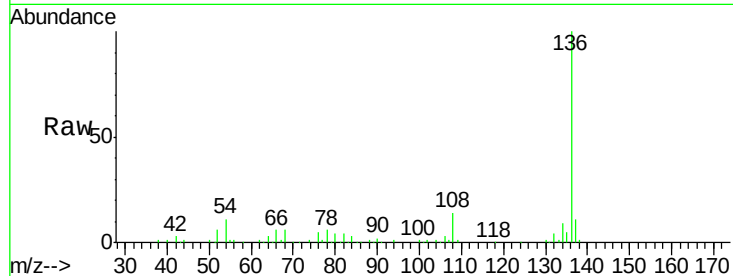




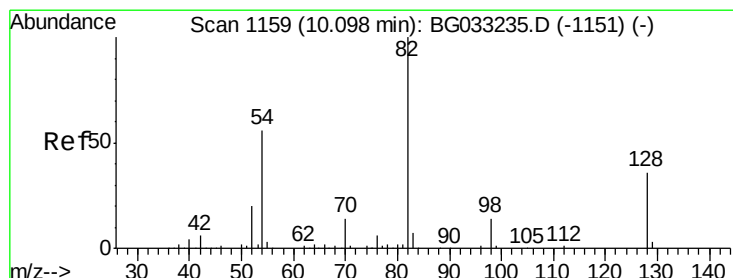
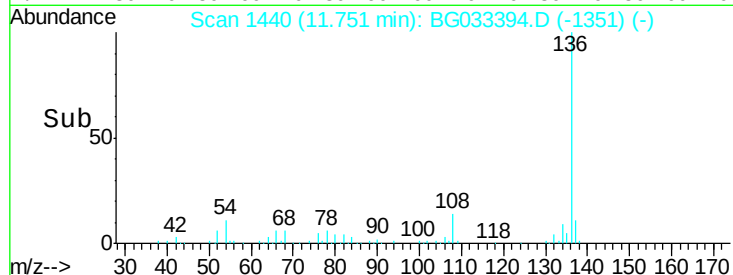
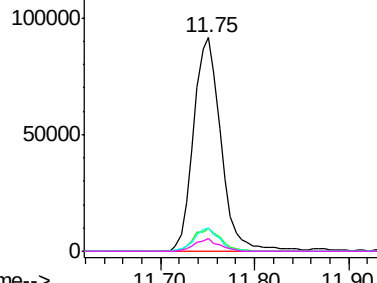
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033394.D
Acq: 28 Mar 2018 20:13

Instrument :
BNA_G
ClientSampleId :
PZ-4

Tgt Ion:	136	Resp:	186279
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.7	10.3	15.5
68	6.3	4.5	6.7

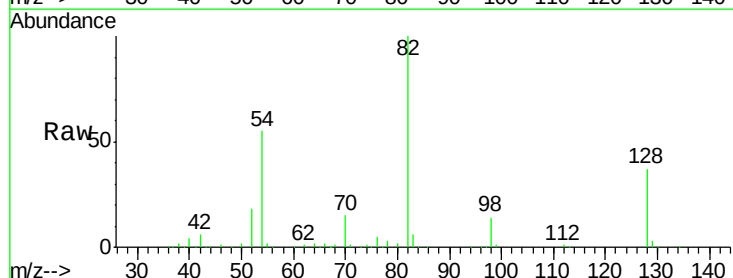


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

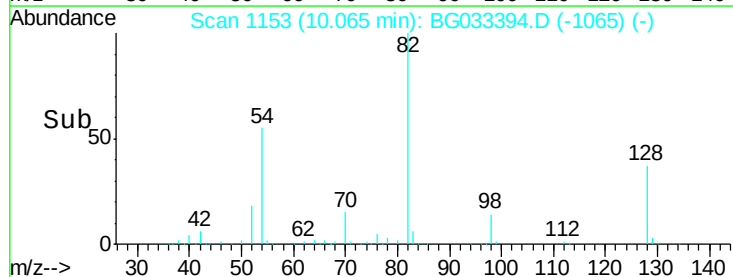
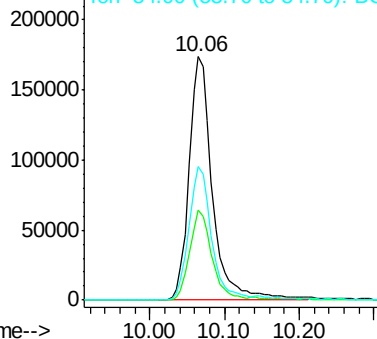


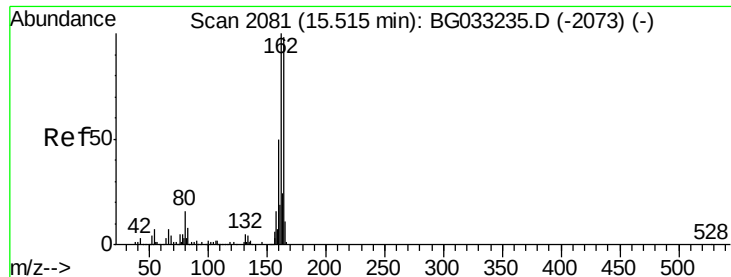
#23
Nitrobenzene-d5
Concen: 93.28 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BG033394.D
Acq: 28 Mar 2018 20:13

Tgt Ion:	82	Resp:	378197
Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.7	44.5
54	55.0	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

Instrument :

BNA_G

ClientSampled :

PZ-4

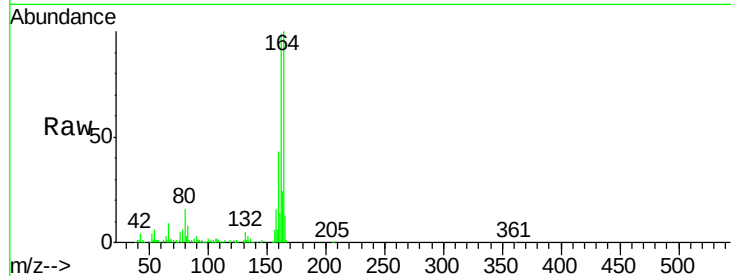
Tgt Ion:164 Resp: 140813

Ion Ratio Lower Upper

164 100

162 98.6 78.8 118.2

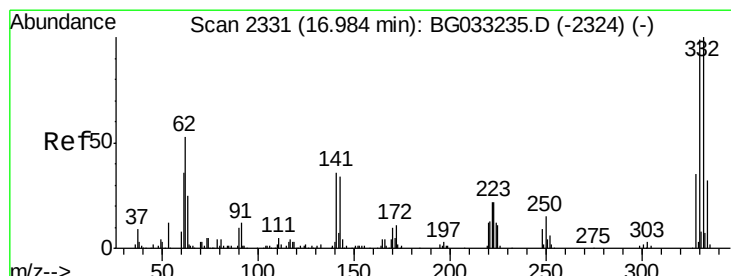
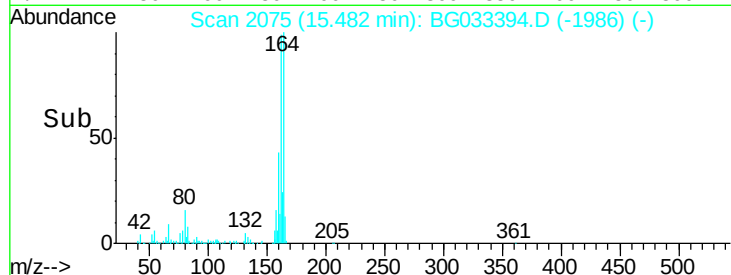
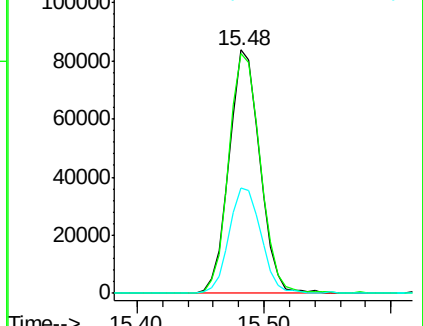
160 43.5 35.4 53.0



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: 130.92 ng

RT: 16.96 min Scan# 2327

Delta R.T. 0.01 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

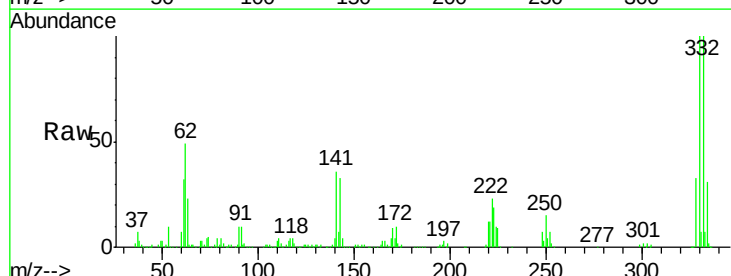
Tgt Ion:330 Resp: 275715

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

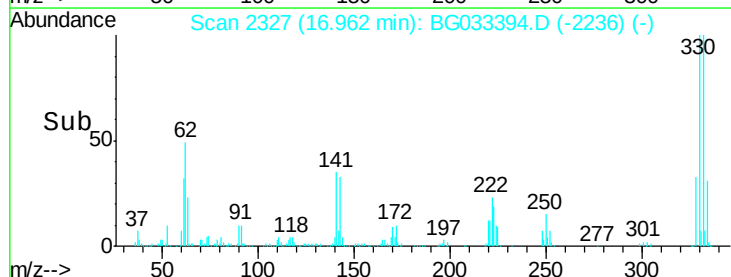
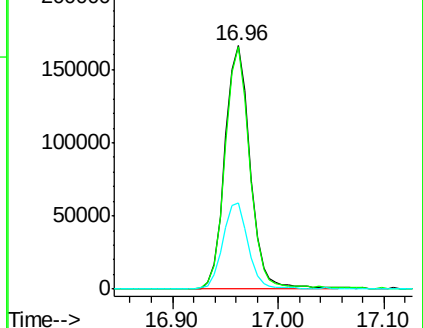
141 35.6 25.2 37.8

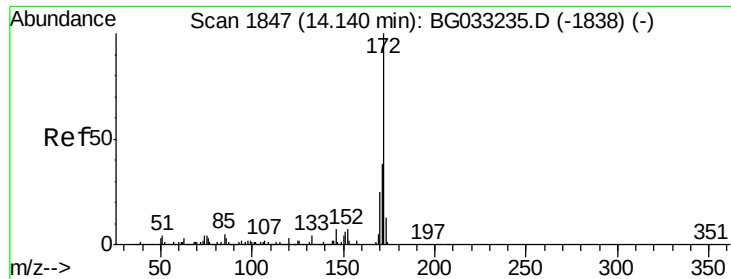


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

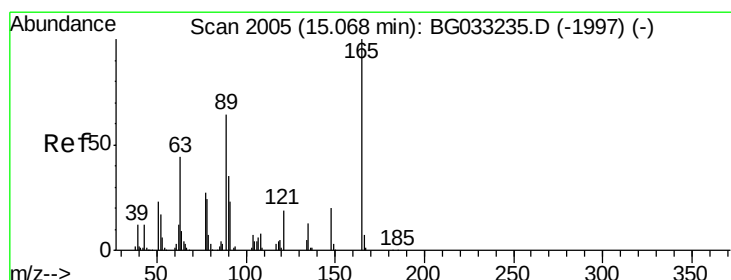
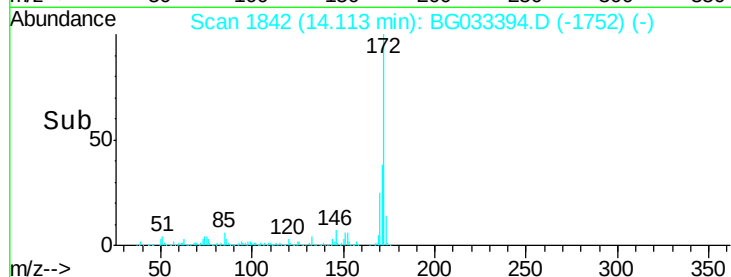
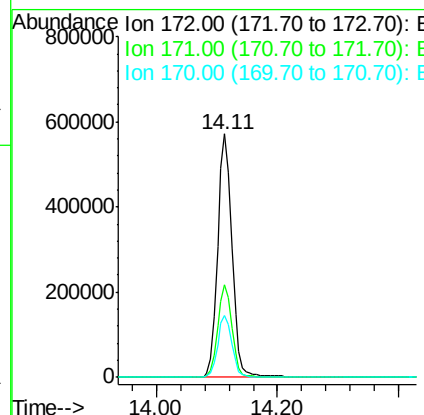
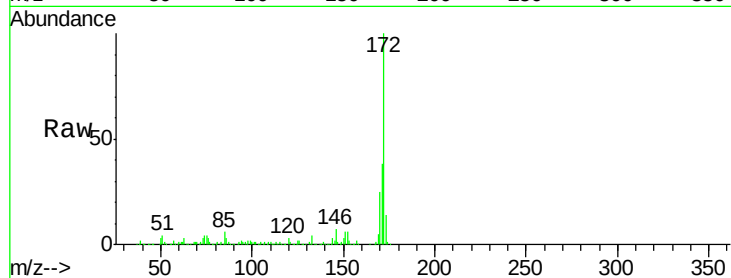




#44
2-Fluorobiphenyl
Concen: 96.37 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BG033394.D
Acq: 28 Mar 2018 20:13

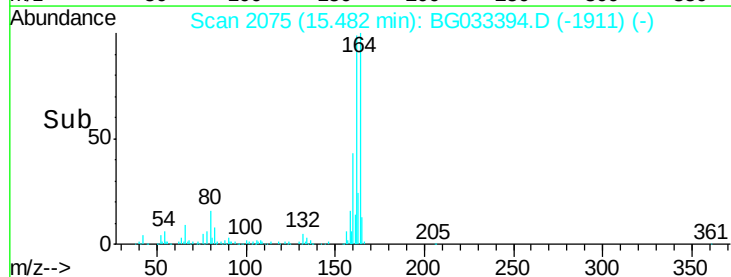
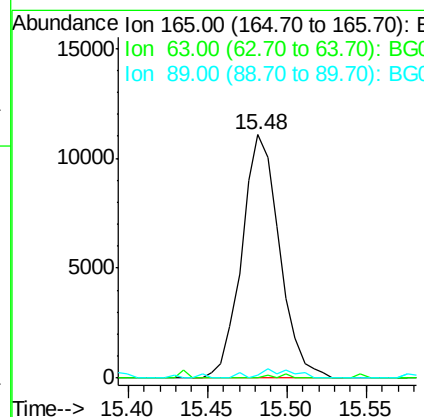
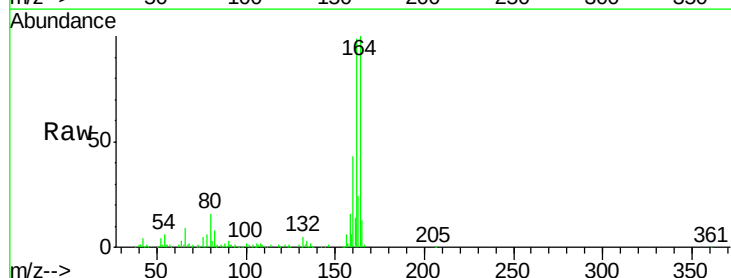
Instrument :
BNA_G
ClientSampleId :
PZ-4

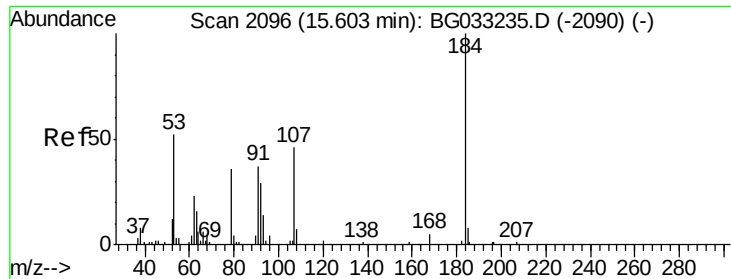
Tgt Ion:172 Resp: 940023
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 25.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.28 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.43 min
Lab File: BG033394.D
Acq: 28 Mar 2018 20:13

Tgt Ion:165 Resp: 18244
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.5 49.2 73.8#

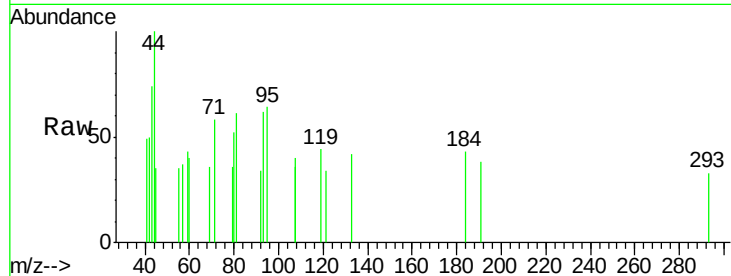




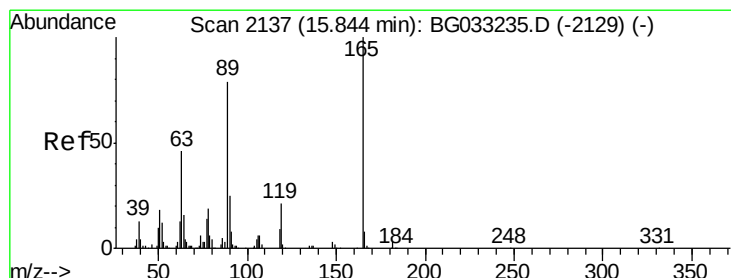
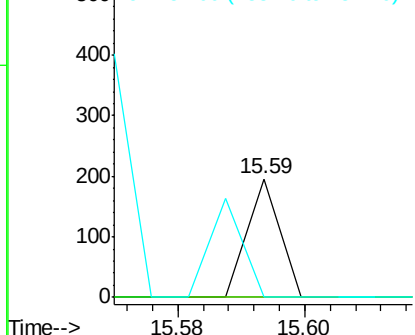
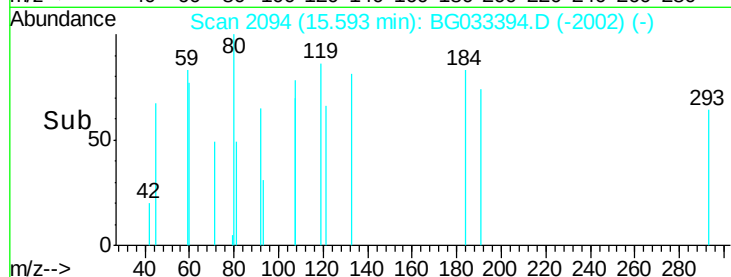
#53
2,4-Dinitrophenol
Concen: 7.69 ng
RT: 15.59 min Scan# 2094
Delta R.T. 0.01 min
Lab File: BG033394.D
Acq: 28 Mar 2018 20:13

Instrument :
BNA_G
ClientSampleId :
PZ-4

Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

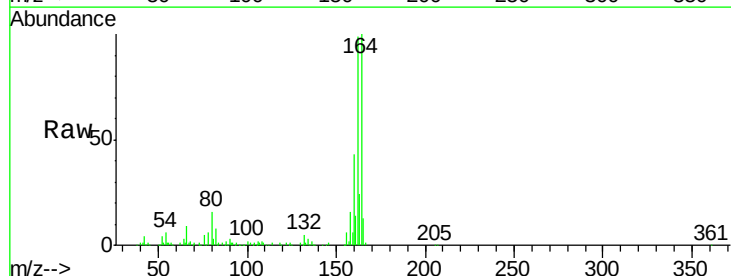


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

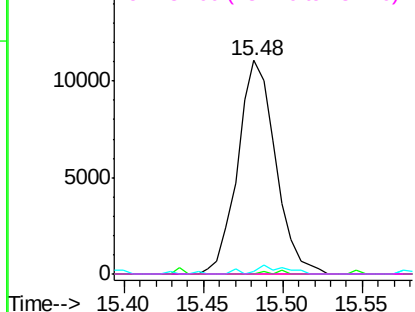
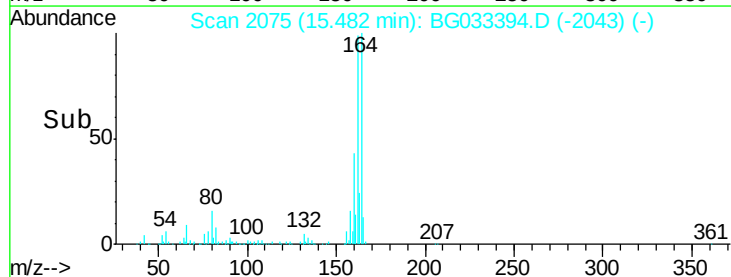


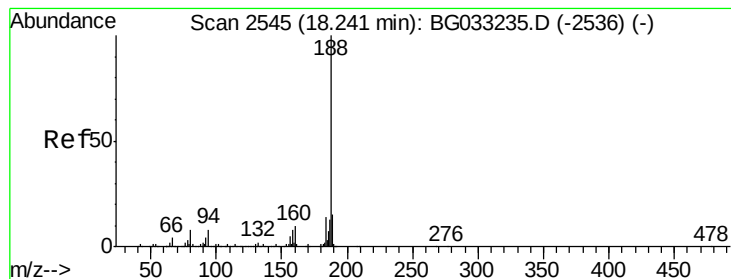
#56
2,4-Dinitrotoluene
Concen: 4.94 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.34 min
Lab File: BG033394.D
Acq: 28 Mar 2018 20:13

Tgt Ion:165 Resp: 18244
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.5 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: 20.00 ng

RT: 18.21 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

Instrument :

BNA_G

ClientSampleId :

PZ-4

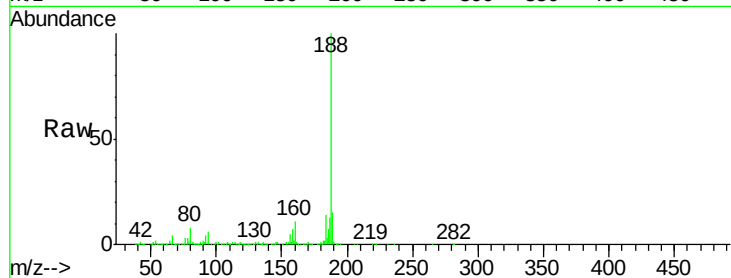
Tgt Ion:188 Resp: 328561

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

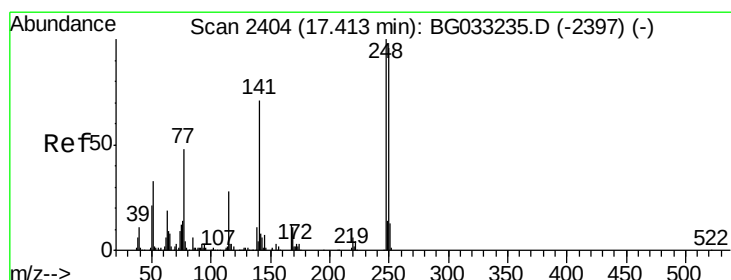
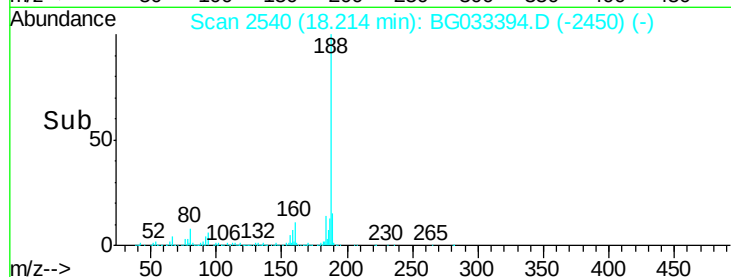
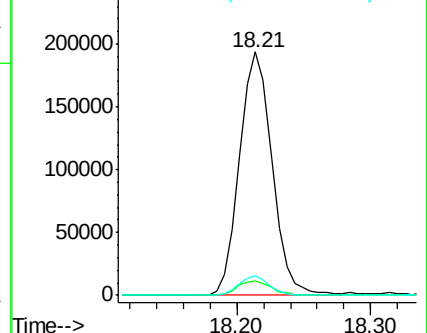
80 7.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.22 ng

RT: 16.96 min Scan# 2327

Delta R.T. -0.42 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

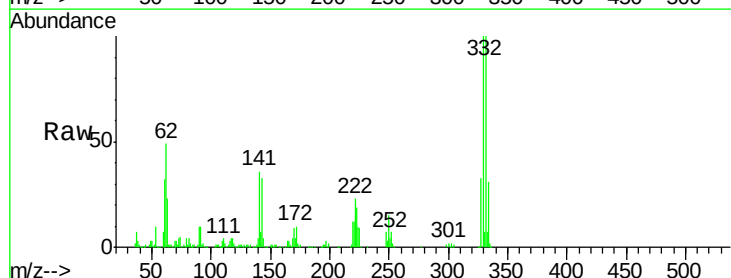
Tgt Ion:248 Resp: 20161

Ion Ratio Lower Upper

248 100

250 199.8 77.1 115.7#

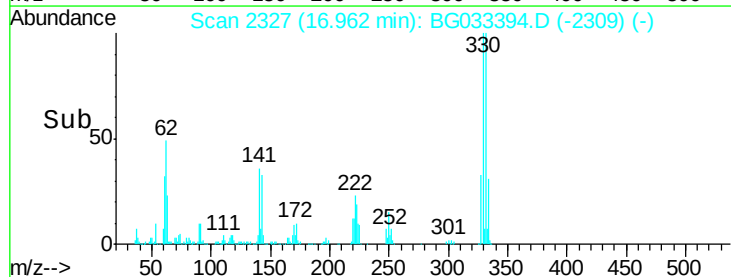
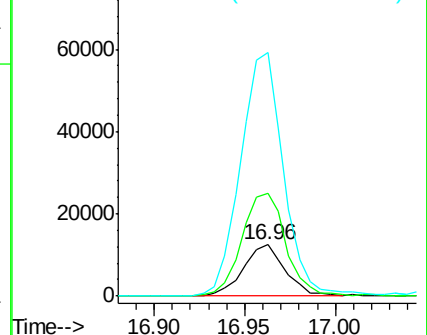
141 474.8 50.8 76.2#

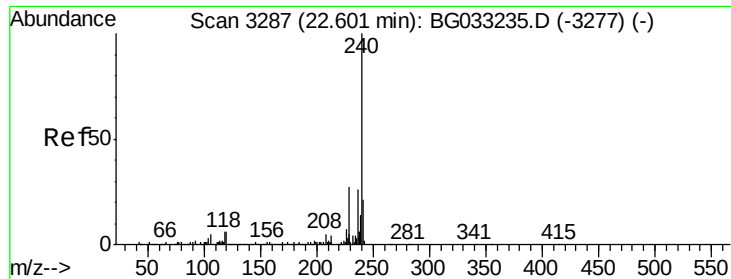


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

Instrument :

BNA_G

ClientSampleId :

PZ-4

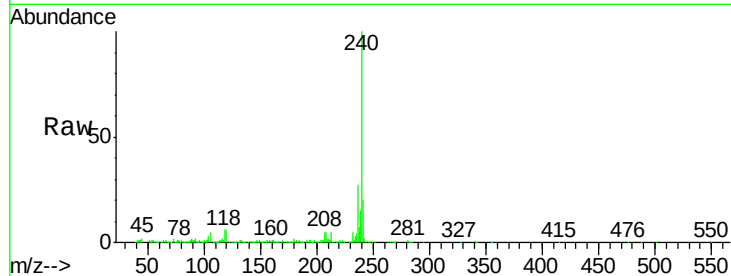
Tgt Ion:240 Resp: 337206

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

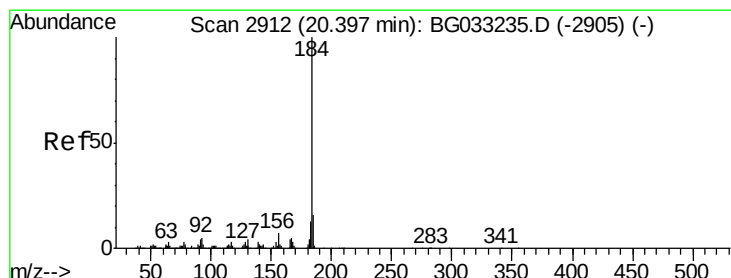
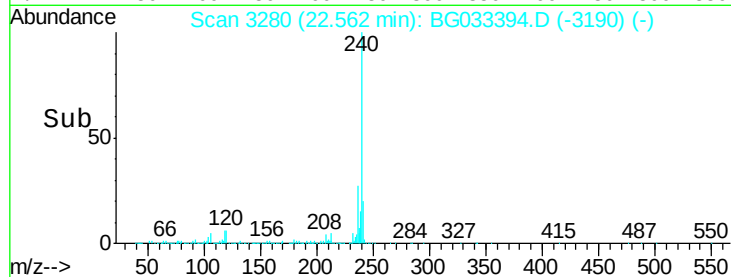
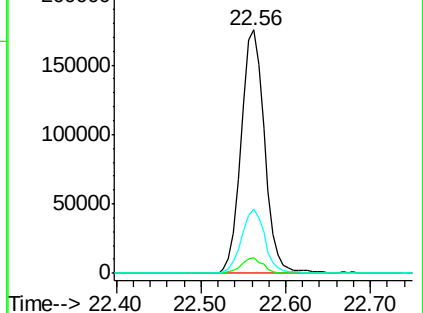
236 26.5 20.9 31.3



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: 2.58 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

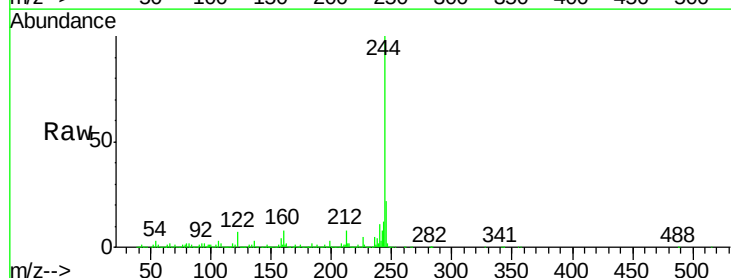
Tgt Ion:184 Resp: 23572

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

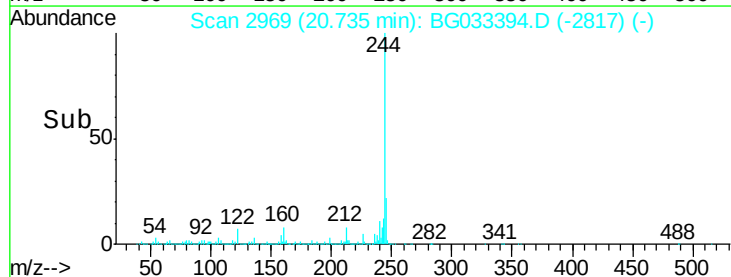
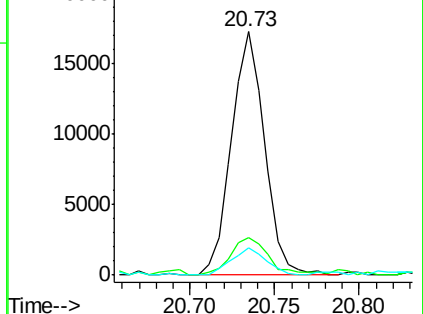
183 11.2 10.6 16.0

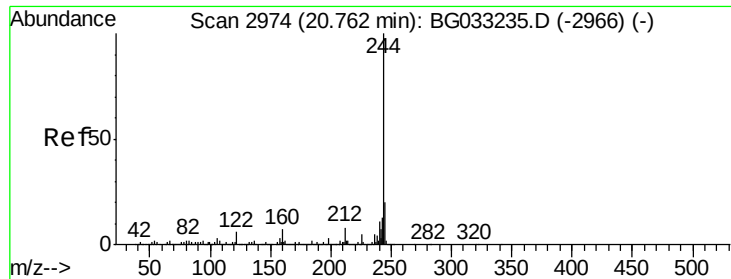


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.74 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

Instrument :

BNA_G

ClientSampleId :

PZ-4

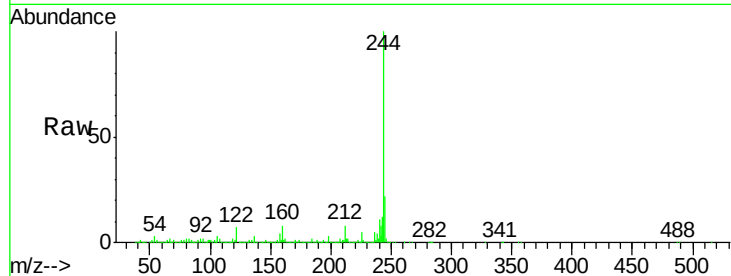
Tgt Ion:244 Resp: 1414939

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

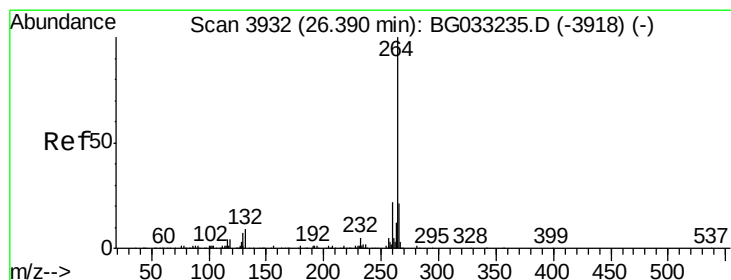
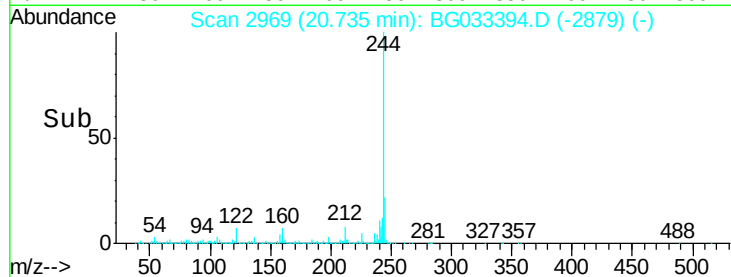
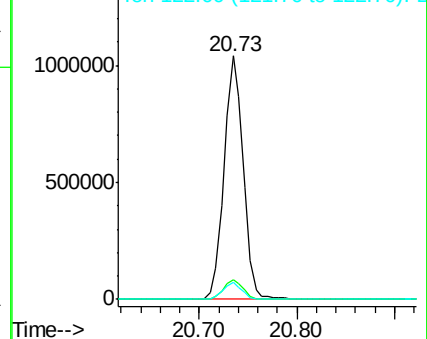
122 7.0 7.0 10.4#



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: 20.00 ng

RT: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033394.D

Acq: 28 Mar 2018 20:13

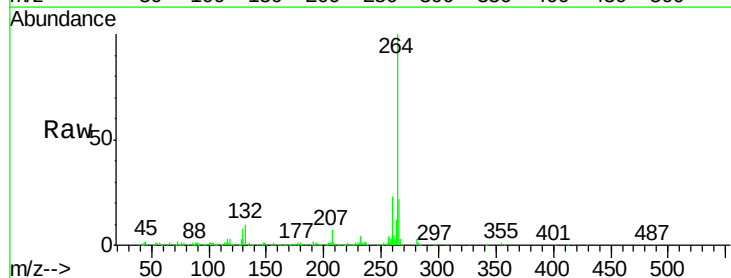
Tgt Ion:264 Resp: 370939

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 21.8 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

