

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032218\
 Data File : BG033293.D
 Acq On : 22 Mar 2018 14:11
 Operator : SJ/JU
 Sample : J1976-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 22 17:33:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 17:32:09 2018
 Response via : Initial Calibration

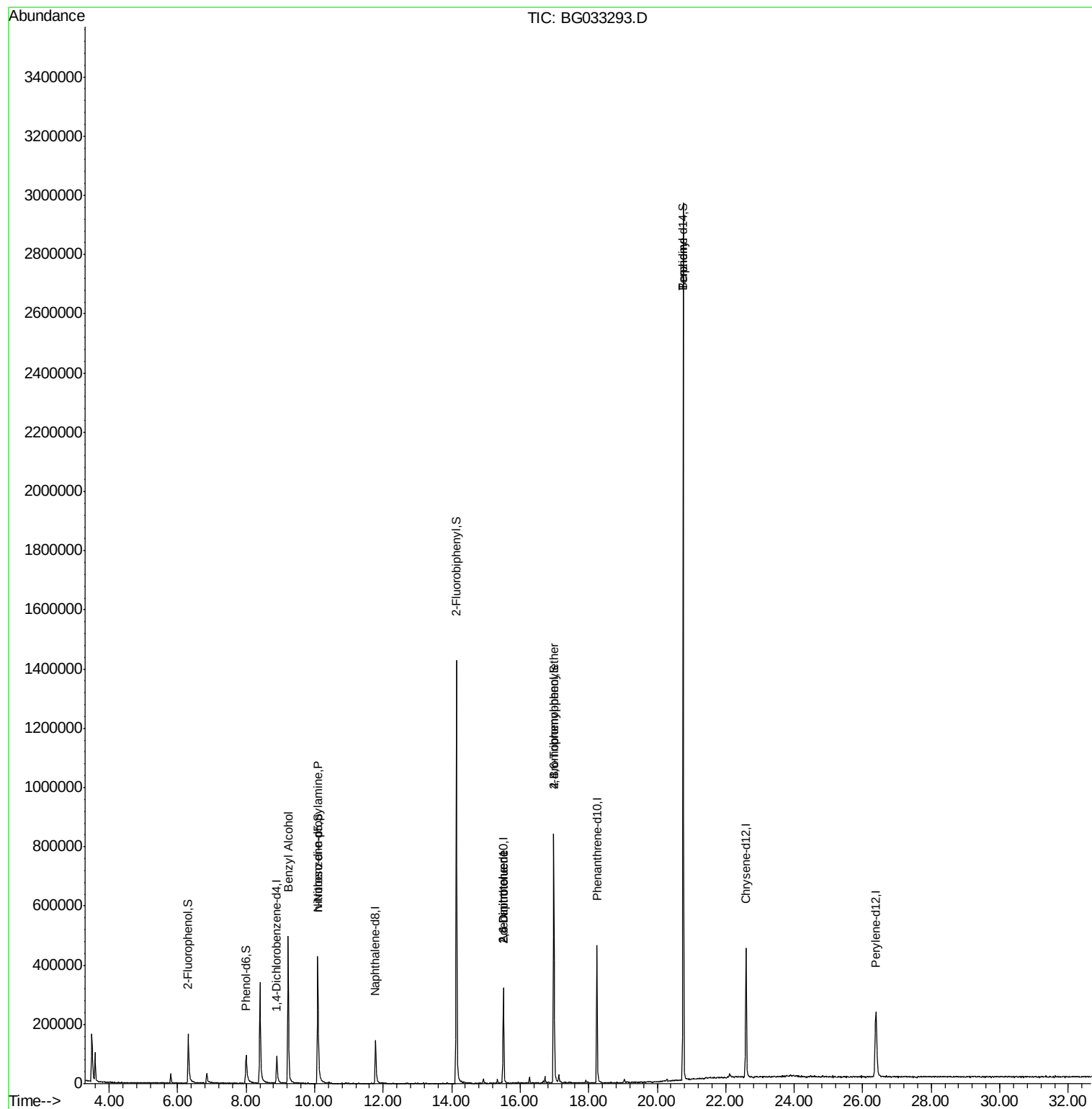
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	35897	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	155197	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	122816	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	320263	20.00	ng	0.00
75) Chrysene-d12	22.59	240	320265	20.00	ng	0.00
86) Perylene-d12	26.38	264	328388	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	96562	50.44	ng	0.00
7) Phenol-d6	8.00	99	88681	26.96	ng	0.00
23) Nitrobenzene-d5	10.09	82	345045	102.15	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	178040	96.93	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	839464	98.67	ng	0.00
78) Terphenyl-d14	20.76	244	1466675	97.94	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.22	79	5515	2.130	ng	# 59
19) n-Nitroso-di-n-propylamine	10.10	70	48074	19.945	ng	# 75
50) 2,6-Dinitrotoluene	15.51	165	15702	7.185	ng	# 21
56) 2,4-Dinitrotoluene	15.51	165	16088	5.000	ng	# 19
66) 4-Bromophenyl-phenylether	16.98	248	13603	3.617	ng	# 1
76) Benzidine	20.76	184	24784	2.854	ng	# 94

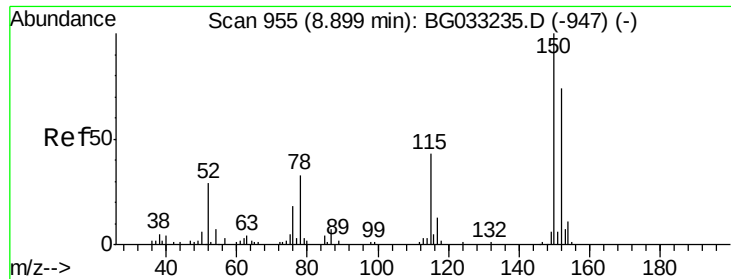
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 22 17:32:09 2018
Response via : Initial Calibration



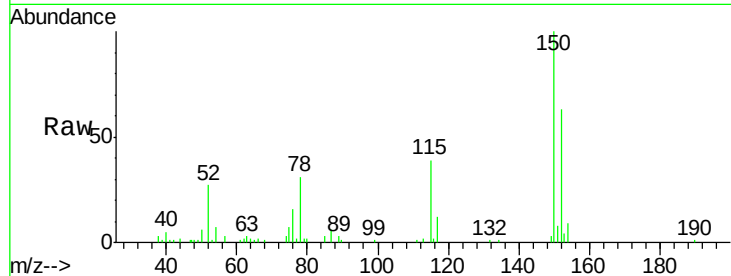


#1

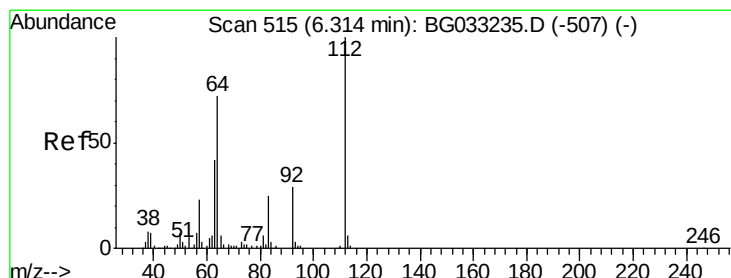
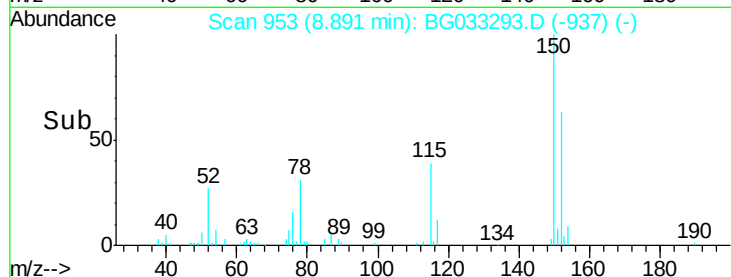
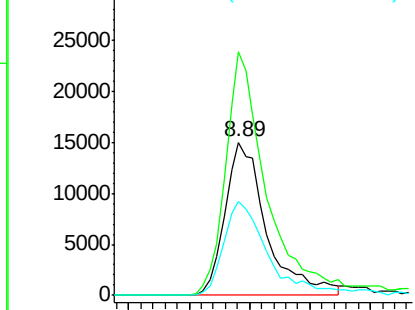
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 953
Delta R.T. -0.01 min
Lab File: BG033293.D
Acq: 22 Mar 2018 14:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	61.3	53.0	79.4



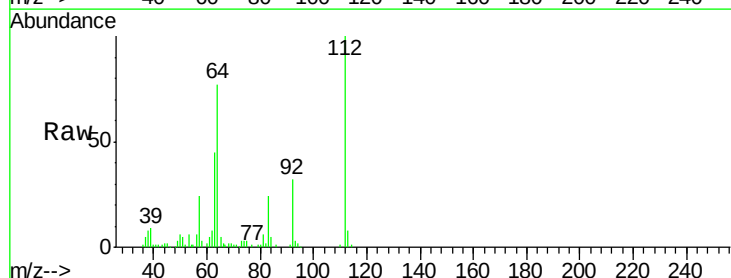
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



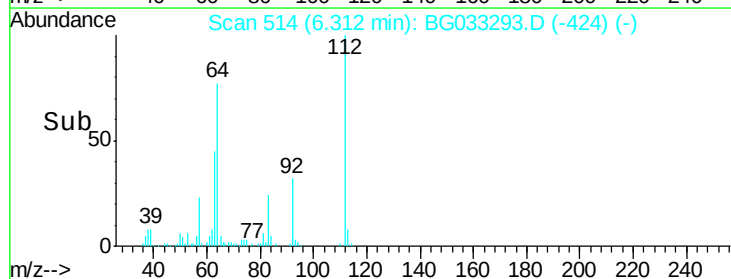
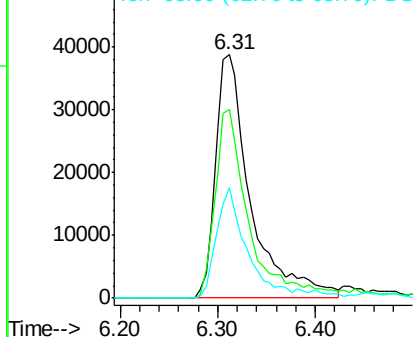
#5

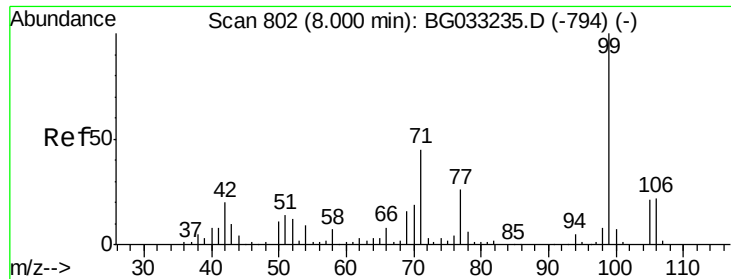
2-Fluorophenol
Concen: 50.440 ng
RT: 6.31 min Scan# 514
Delta R.T. 0.00 min
Lab File: BG033293.D
Acq: 22 Mar 2018 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.4	56.3	84.5
63	45.4	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 26.960 ng

RT: 8.00 min Scan# 801

Delta R.T. 0.00 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

Instrument :

BNA_G

ClientSampleId :

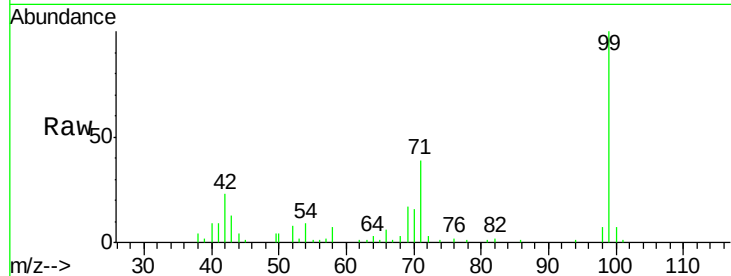
Tot Ion: 99 Resp: 88681

Ion Ratio Lower Upper

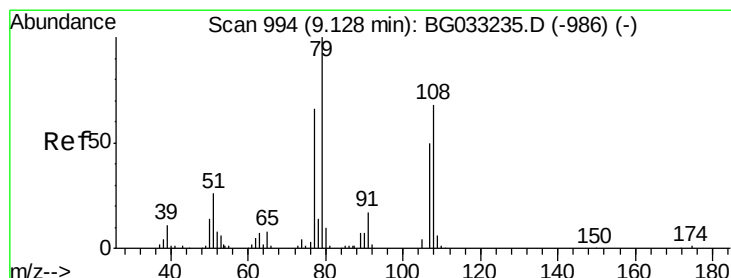
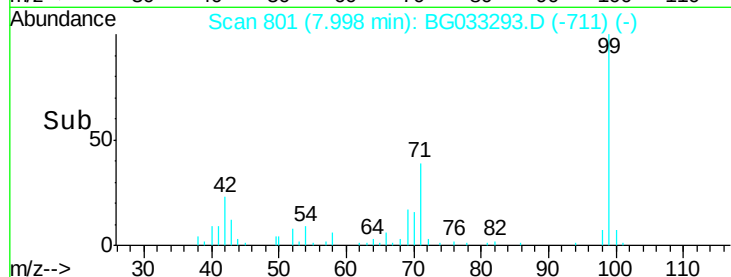
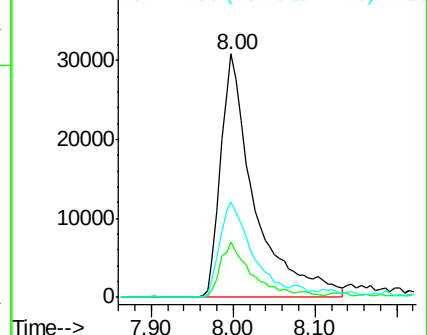
99 100

42 22.9 14.1 21.1#

71 39.1 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



#15

Benzyl Alcohol

Concen: 2.130 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.09 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

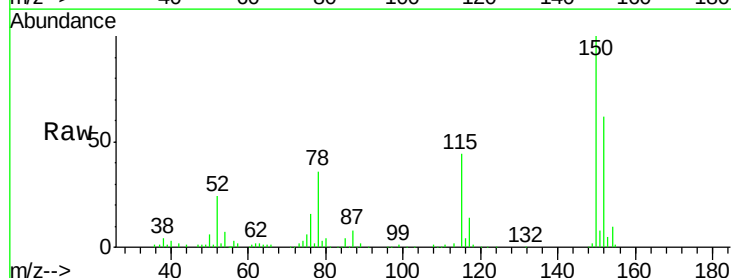
Tgt Ion: 79 Resp: 5515

Ion Ratio Lower Upper

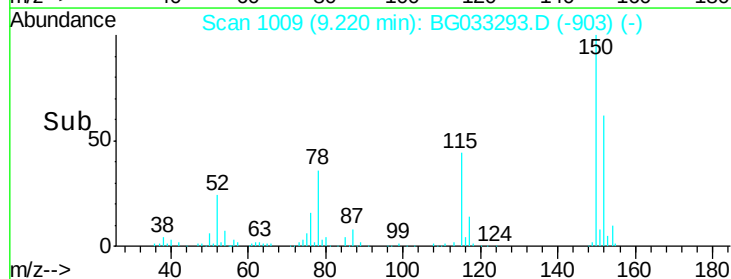
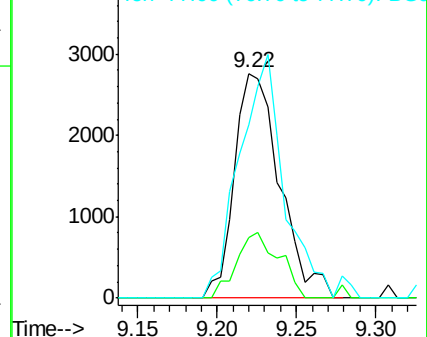
79 100

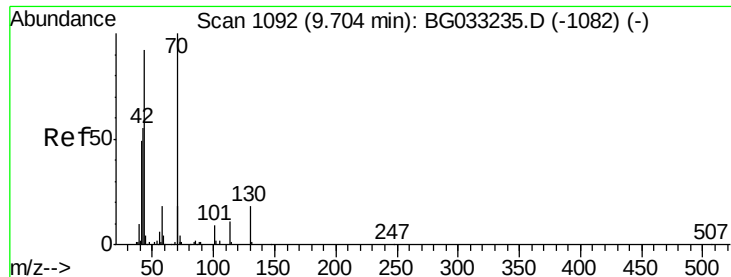
108 27.0 57.2 85.8#

77 76.9 46.1 69.1#



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

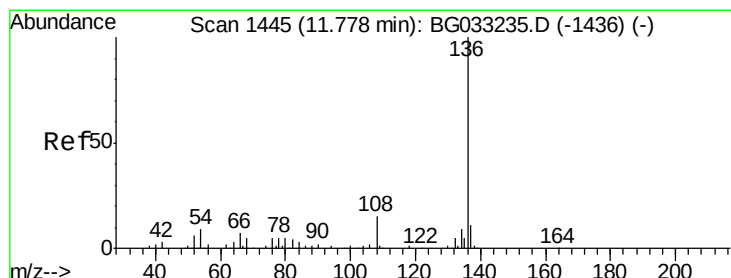
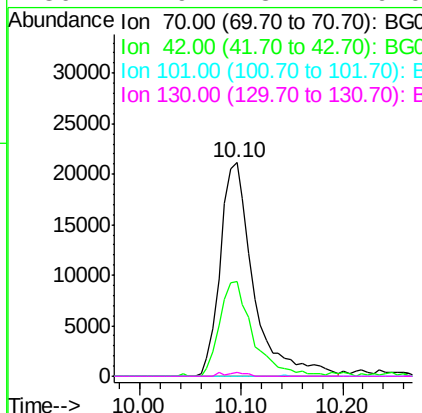
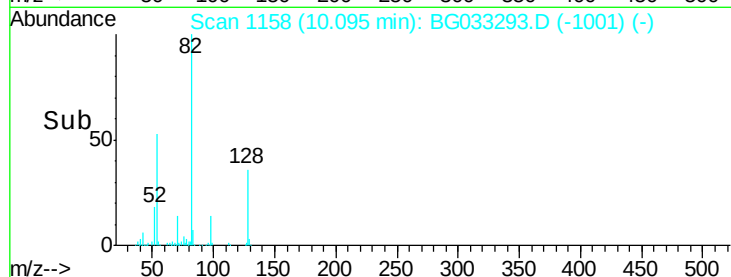
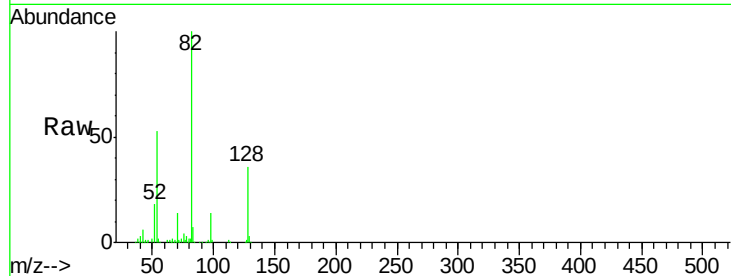




#19
n-Nitroso-di-n-propylamine
Concen: 19.945 ng
RT: 10.10 min Scan# 1158
Delta R.T. 0.39 min
Lab File: BG033293.D
Acq: 22 Mar 2018 14:11

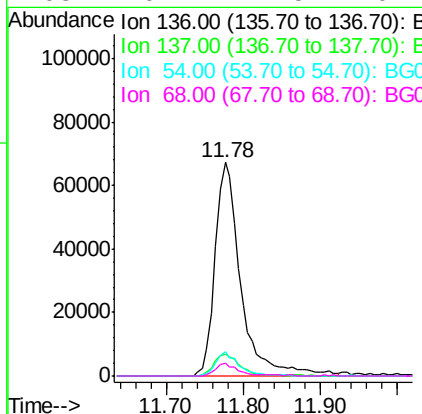
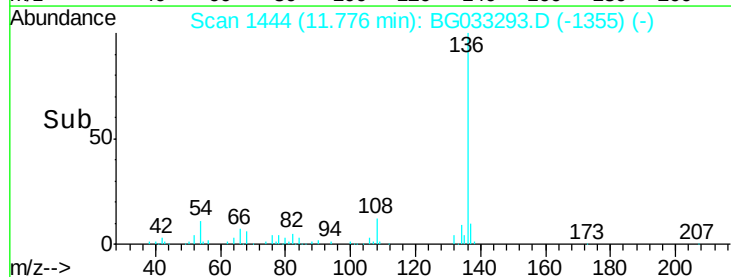
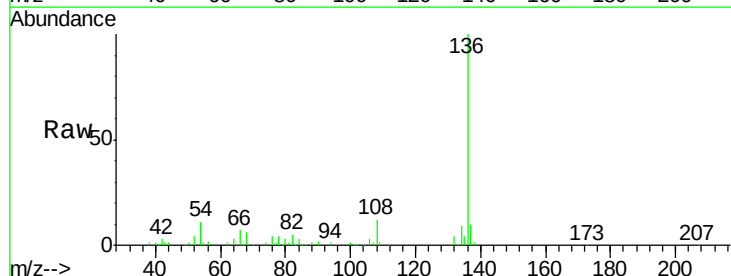
Instrument :
BNA_G
ClientSampleId :

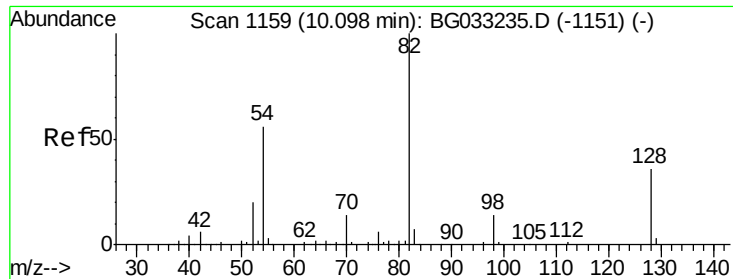
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.2	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BG033293.D
Acq: 22 Mar 2018 14:11

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	11.1	10.3	15.5
68	6.2	4.5	6.7





#23

Nitrobenzene-d5

Concen: 102.146 ng

RT: 10.09 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

Instrument :

BNA_G

ClientSampleId :

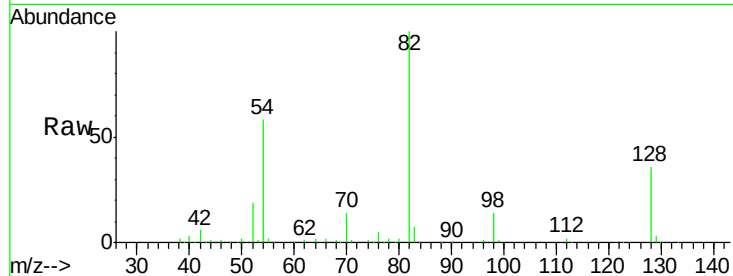
Tot Ion: 82 Resp: 345045

Ion Ratio Lower Upper

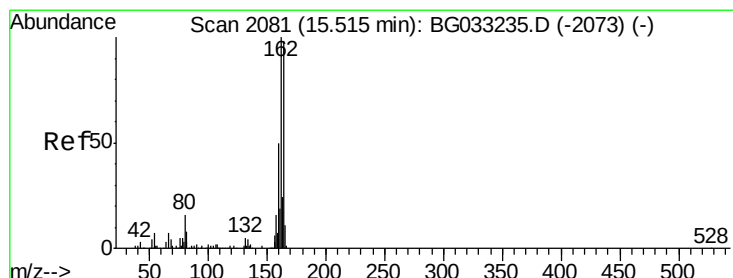
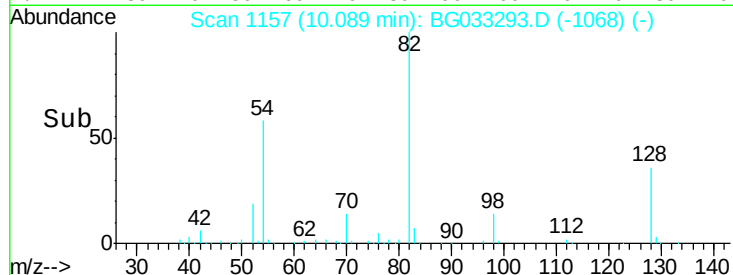
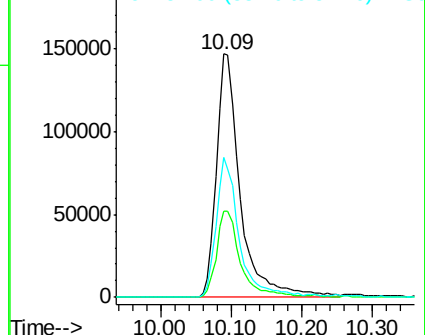
82 100

128 35.5 29.7 44.5

54 57.7 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: 15.51 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

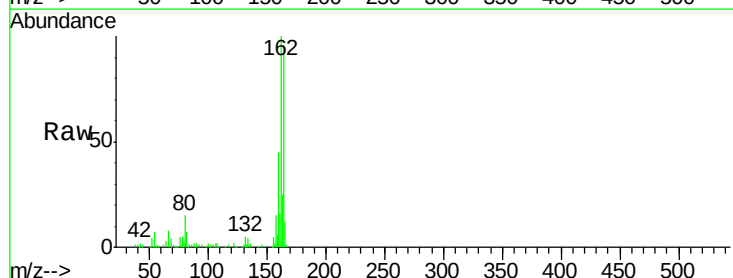
Tgt Ion:164 Resp: 122816

Ion Ratio Lower Upper

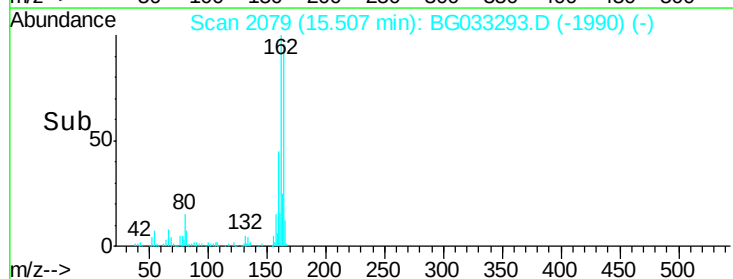
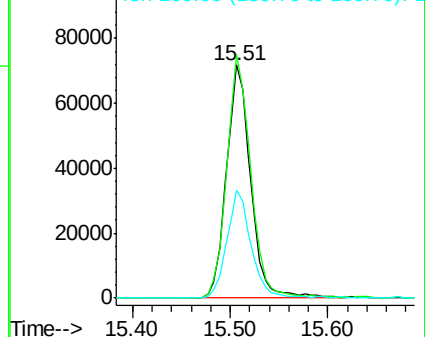
164 100

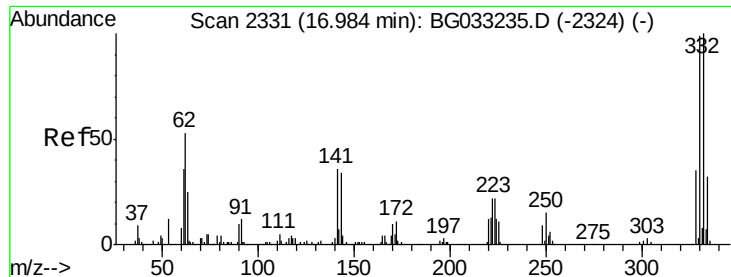
162 104.5 78.8 118.2

160 46.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

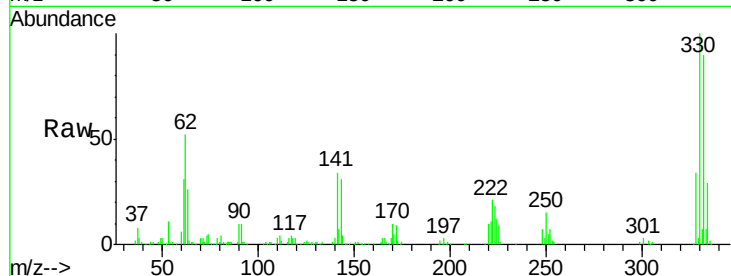




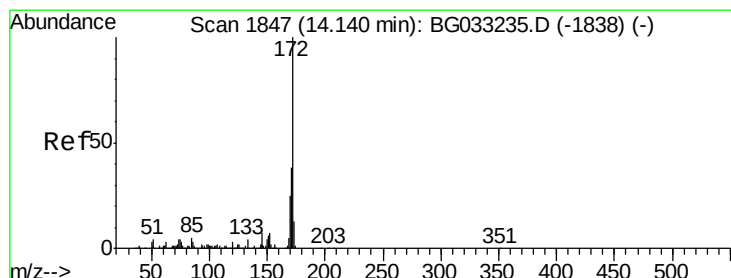
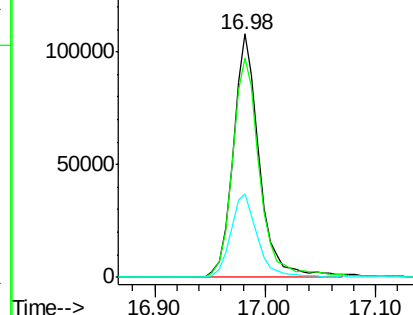
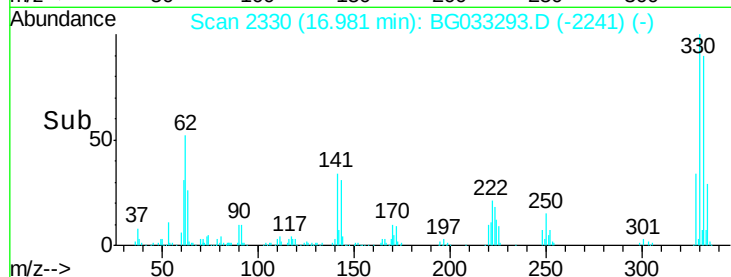
#41
 2,4,6-Tribromophenol
 Concen: 96.926 ng
 RT: 16.98 min Scan# 2330
 Delta R.T. -0.01 min
 Lab File: BG033293.D
 Acq: 22 Mar 2018 14:11

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	35.4	25.2	37.8

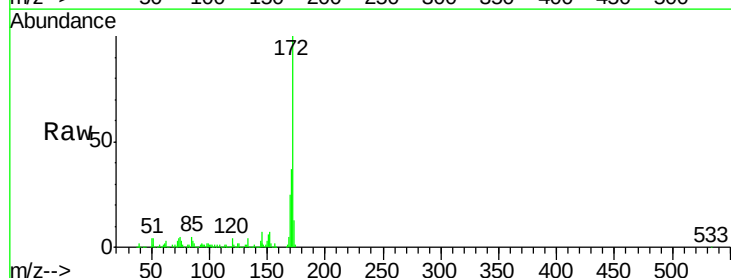


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

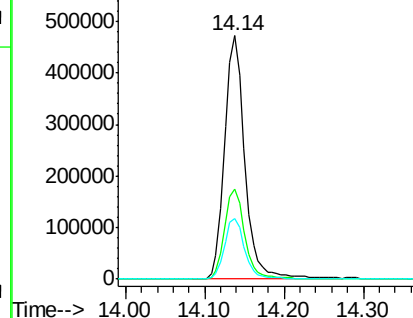
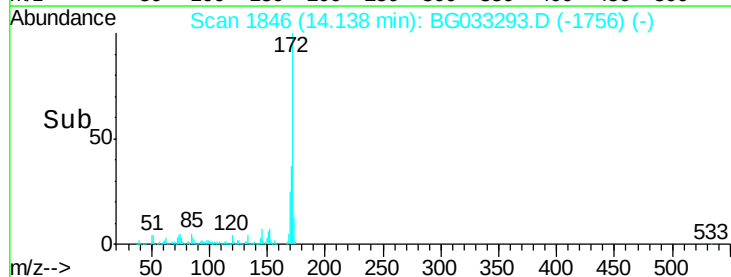


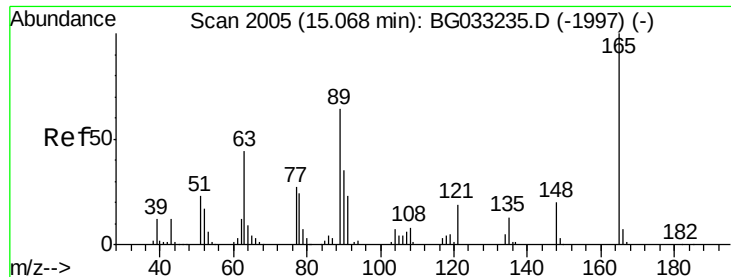
#44
 2-Fluorobiphenyl
 Concen: 98.674 ng
 RT: 14.14 min Scan# 1846
 Delta R.T. 0.00 min
 Lab File: BG033293.D
 Acq: 22 Mar 2018 14:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	25.1	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

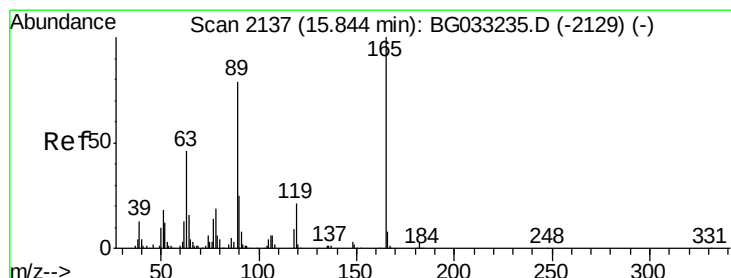
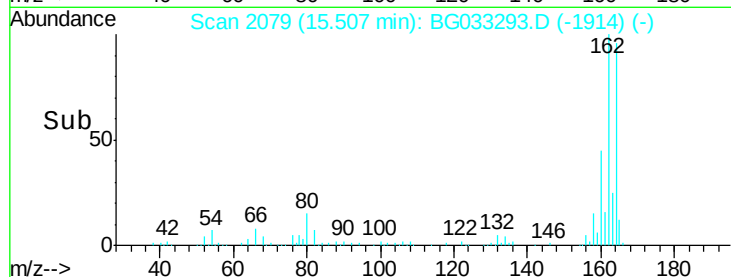
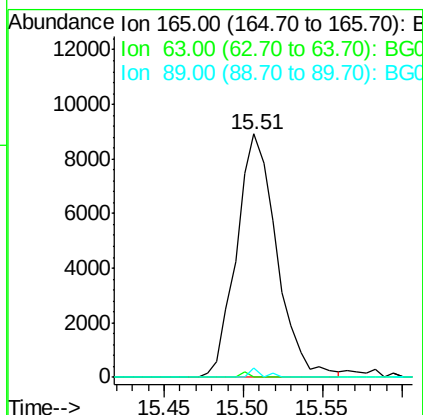
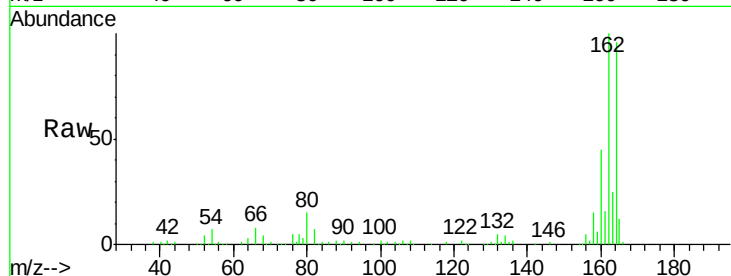




#50
 2,6-Dinitrotoluene
 Concen: 7.185 ng
 RT: 15.51 min Scan# 2079
 Delta R.T. 0.44 min
 Lab File: BG033293.D
 Acq: 22 Mar 2018 14:11

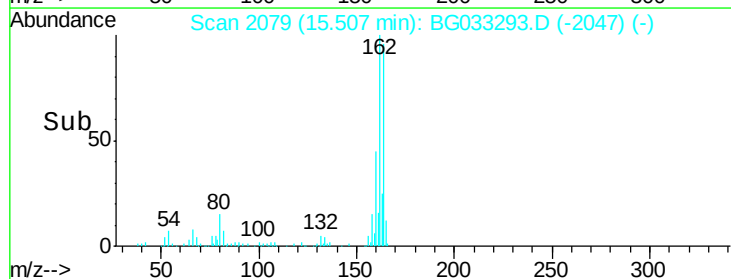
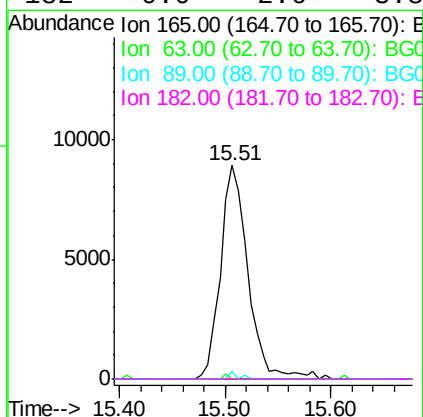
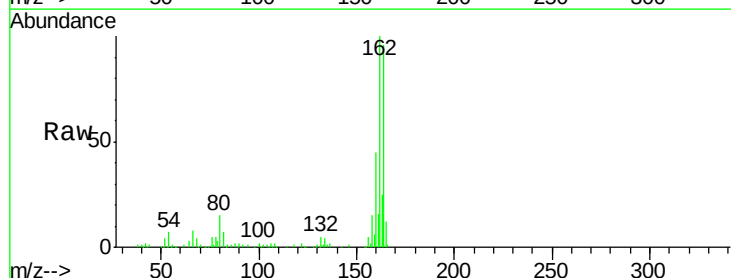
Instrument :
 BNA_G
 ClientSampleId :

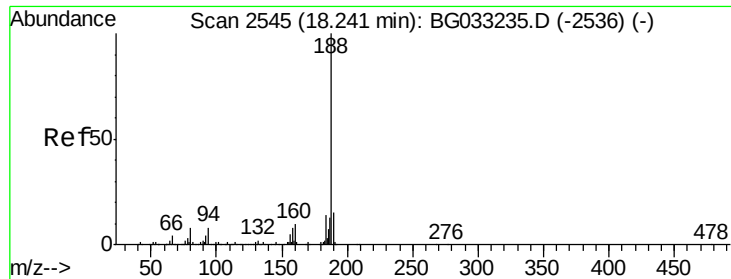
Tot Ion:165 Resp: 15702
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.7 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.000 ng
 RT: 15.51 min Scan# 2079
 Delta R.T. -0.34 min
 Lab File: BG033293.D
 Acq: 22 Mar 2018 14:11

Tgt Ion:165 Resp: 16088
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.7 66.9 100.3#
 182 0.0 2.6 3.8#

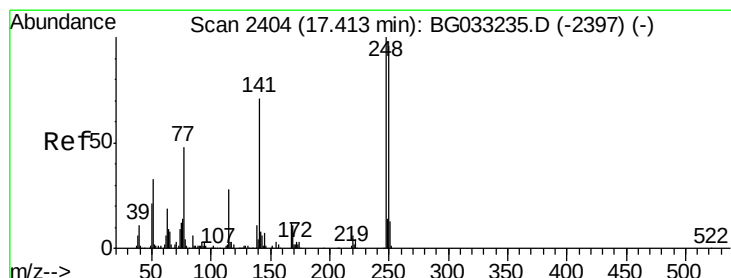
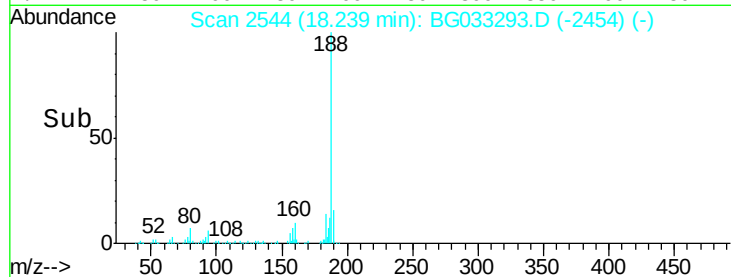
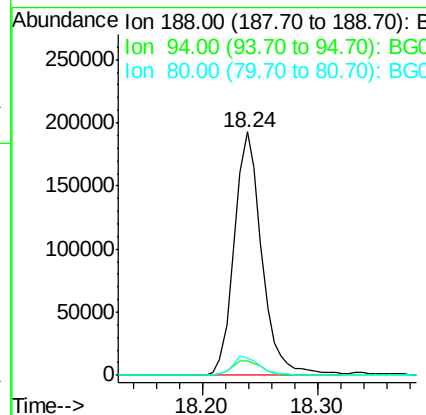
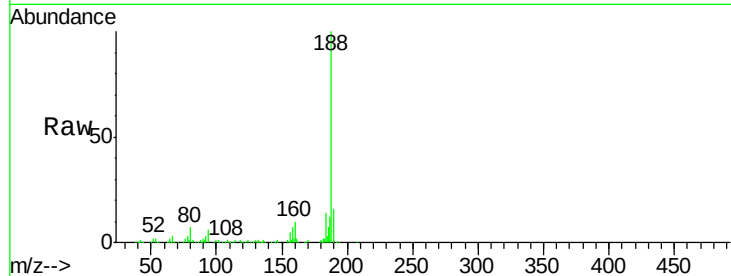




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2544
Delta R.T. 0.00 min
Lab File: BG033293.D
Acq: 22 Mar 2018 14:11

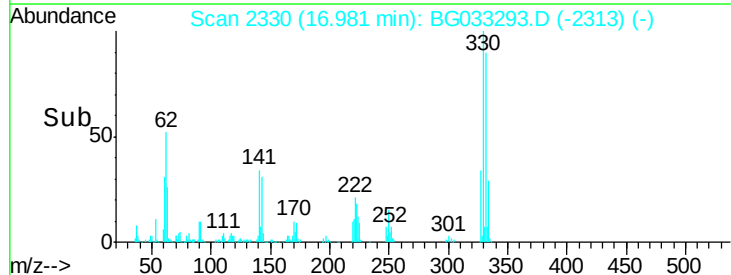
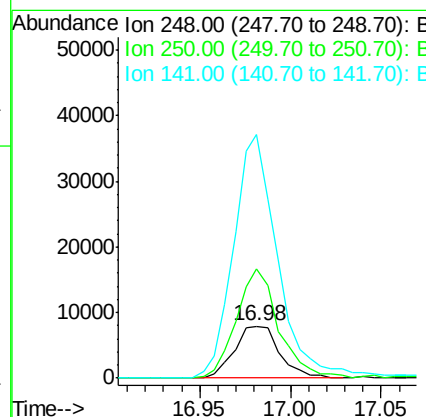
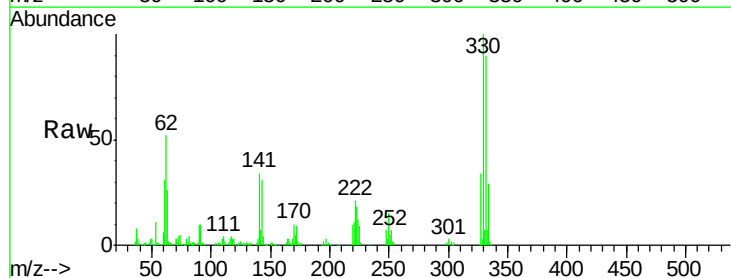
Instrument :
BNA_G
ClientSampled :

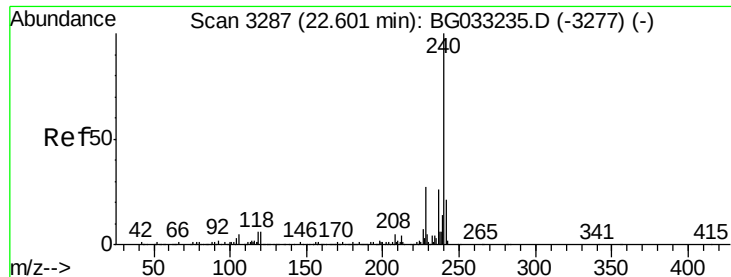
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.9	10.3#
80	6.9	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.617 ng
RT: 16.98 min Scan# 2330
Delta R.T. -0.43 min
Lab File: BG033293.D
Acq: 22 Mar 2018 14:11

Tgt Ion	Ratio	Lower	Upper
248	100		
250	209.3	77.1	115.7#
141	468.4	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.59 min Scan# 3285

Delta R.T. -0.01 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

Instrument :

BNA_G

ClientSampleId :

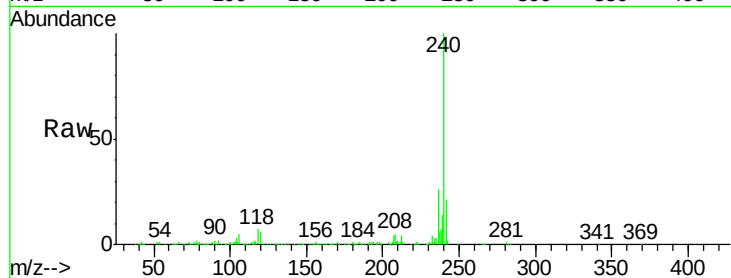
Tot Ion:240 Resp: 320265

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

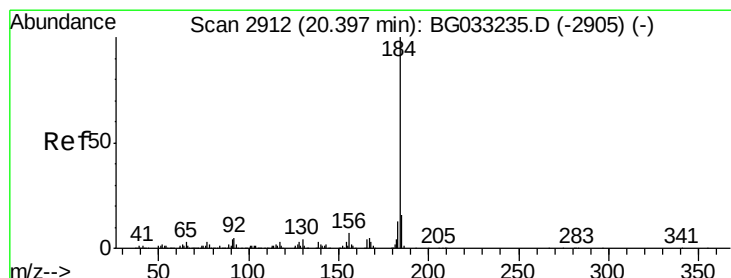
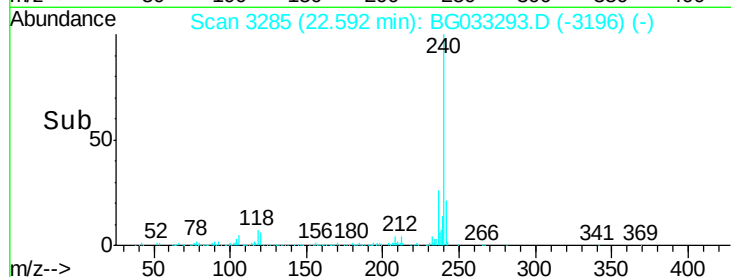
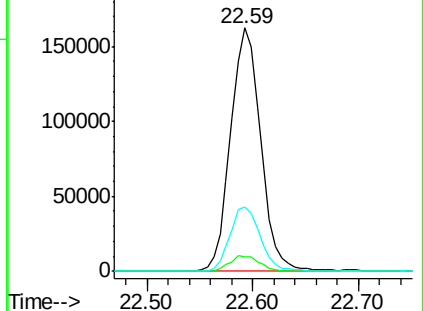
236 26.4 20.9 31.3



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: 2.854 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

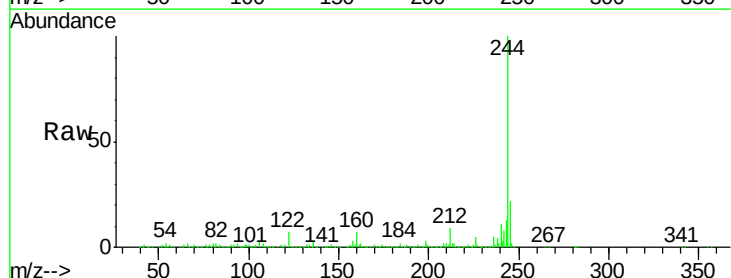
Tgt Ion:184 Resp: 24784

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

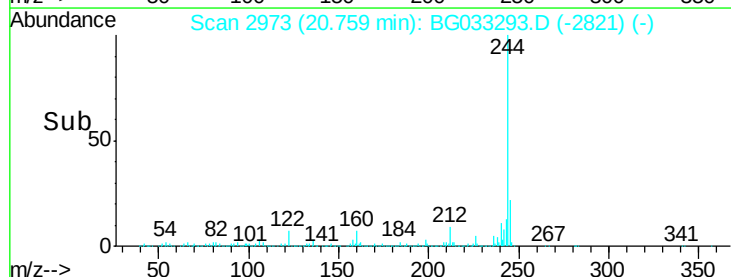
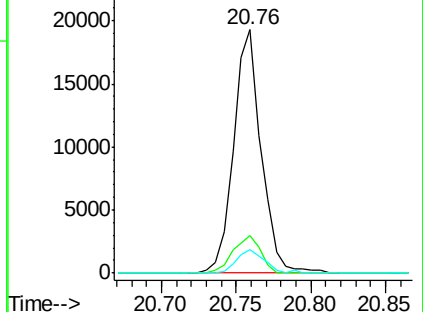
183 9.7 10.6 16.0#

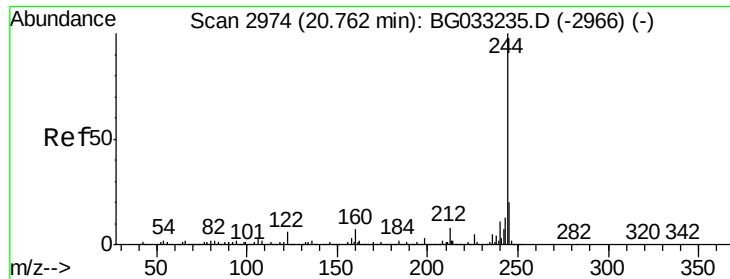


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.939 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

Instrument :

BNA_G

ClientSampleId :

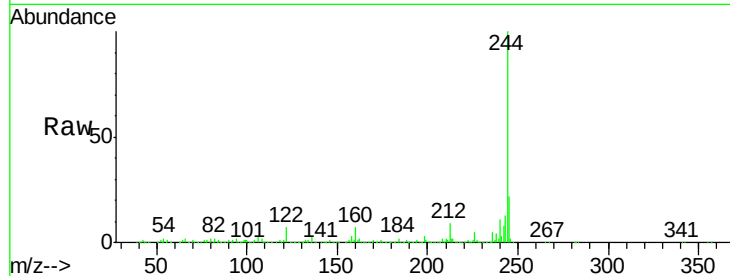
Tot Ion:244 Resp: 1466675

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

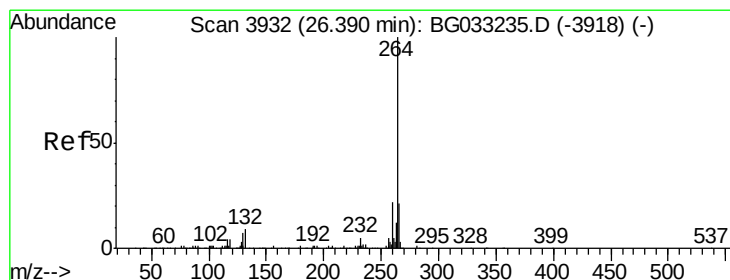
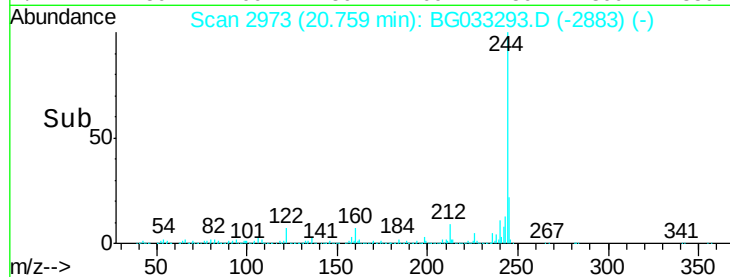
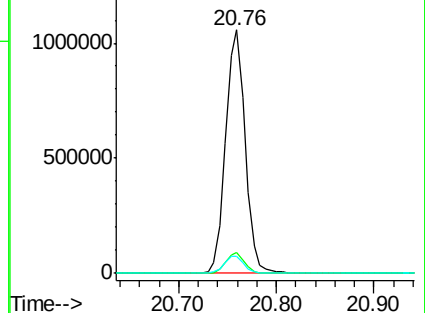
122 6.9 7.0 10.4#



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: 26.38 min Scan# 3930

Delta R.T. -0.01 min

Lab File: BG033293.D

Acq: 22 Mar 2018 14:11

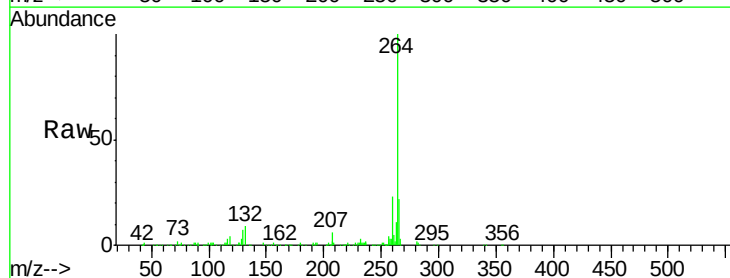
Tgt Ion:264 Resp: 328388

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.6 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

