

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032018\
 Data File : BG033281.D
 Acq On : 21 Mar 2018 00:50
 Operator : SJ/JU
 Sample : J1755-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 03:29:12 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 16:48:53 2018
 Response via : Initial Calibration

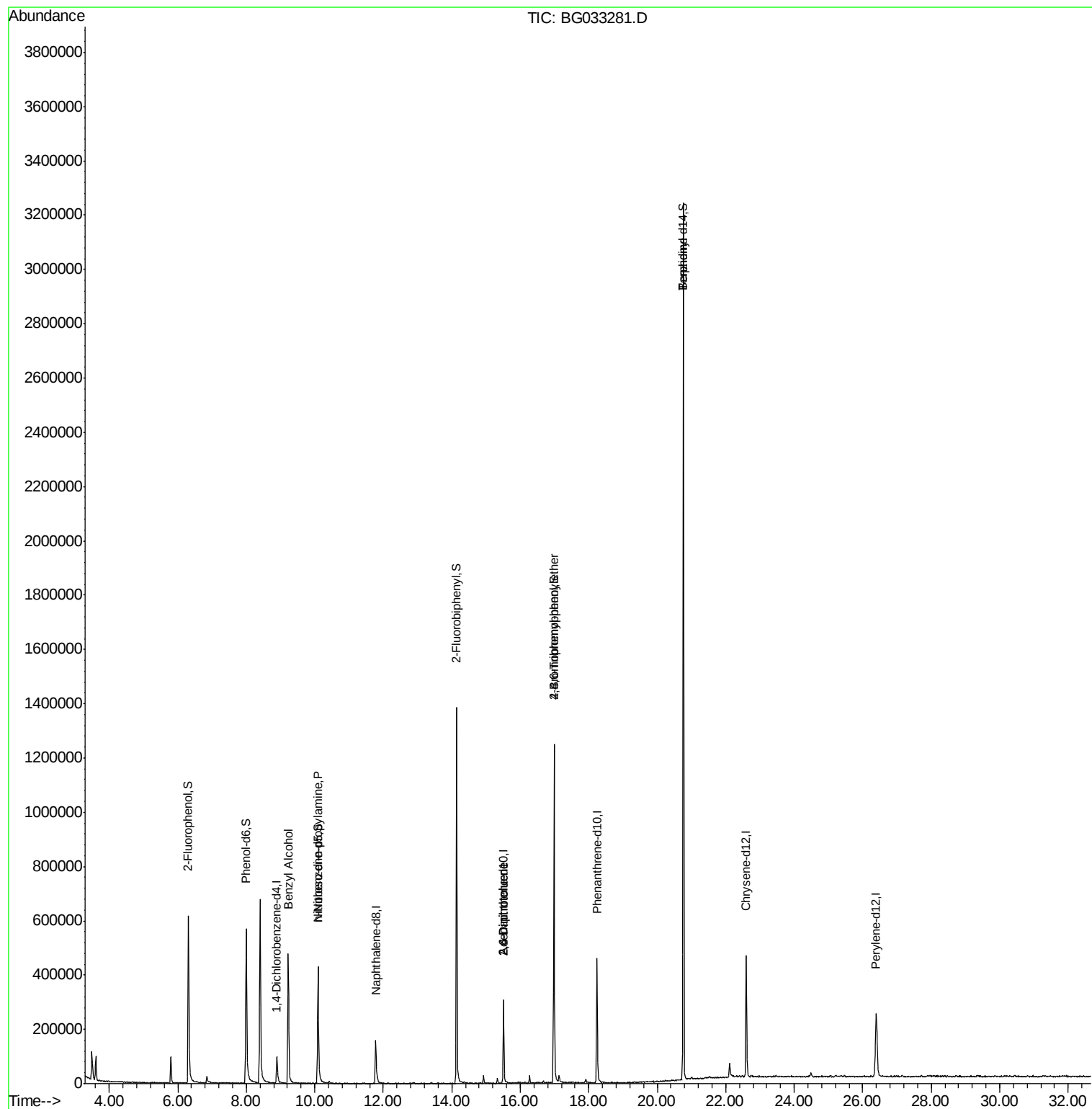
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	38011	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	158157	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	121783	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	336338	20.00	ng	0.00
75) Chrysene-d12	22.60	240	332230	20.00	ng	0.00
86) Perylene-d12	26.39	264	342210	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	303240	149.59	ng	0.00
7) Phenol-d6	8.00	99	430972	123.74	ng	0.00
23) Nitrobenzene-d5	10.09	82	339288	98.56	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	265485	145.76	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	798483	94.65	ng	0.00
78) Terphenyl-d14	20.76	244	1579061	101.65	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.23	79	5501	2.006	ng	# 49
19) n-Nitroso-di-n-propylamine	10.10	70	44783	17.547	ng	# 77
50) 2,6-Dinitrotoluene	15.51	165	15528	7.165	ng	# 21
56) 2,4-Dinitrotoluene	15.51	165	15659	4.908	ng	# 19
66) 4-Bromophenyl-phenylether	16.98	248	18851	4.772	ng	# 1
76) Benzidine	20.76	184	26015	2.887	ng	94

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

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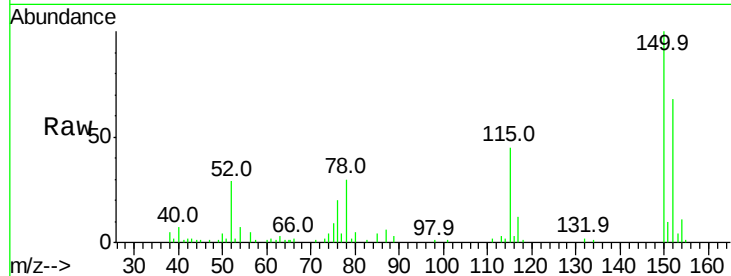


#1

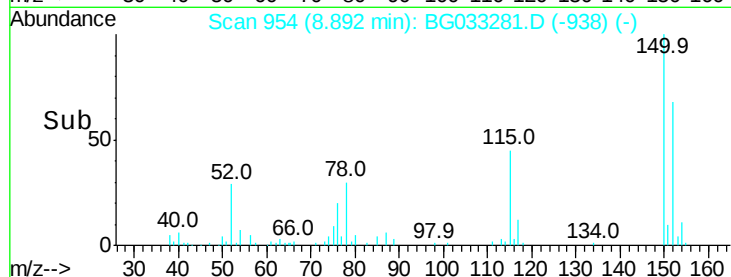
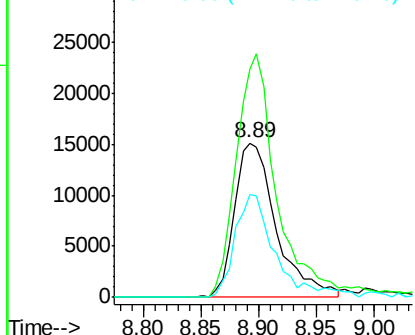
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG033281.D
Acq: 21 Mar 2018 00:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 38011
Ion Ratio Lower Upper
152 100
150 148.0 126.6 189.8
115 66.4 53.0 79.4



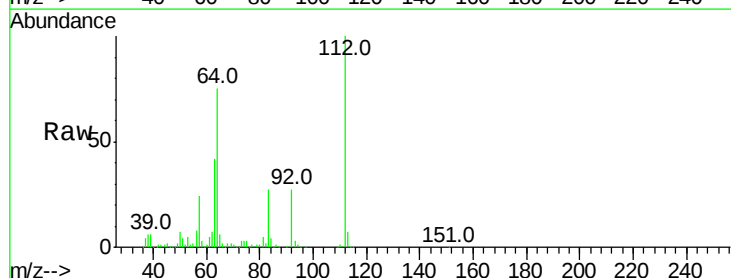
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



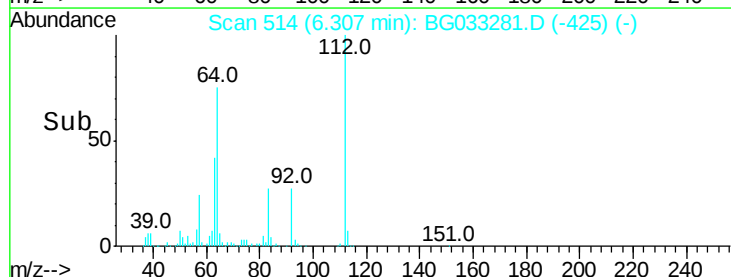
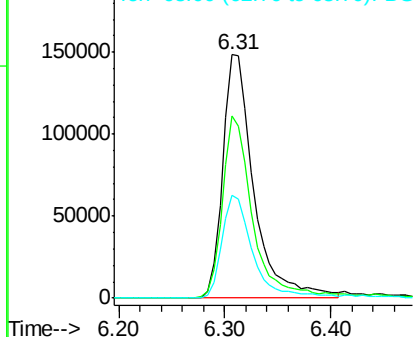
#5

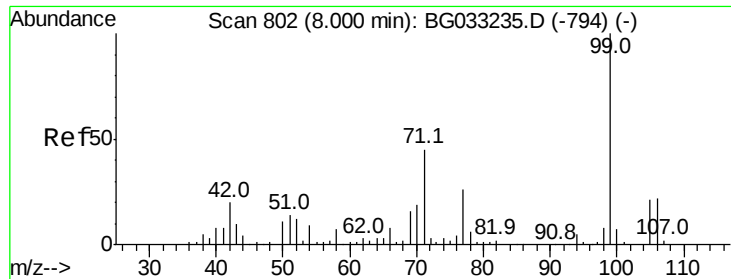
2-Fluorophenol
Concen: 149.591 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.01 min
Lab File: BG033281.D
Acq: 21 Mar 2018 00:50

Tgt Ion:112 Resp: 303240
Ion Ratio Lower Upper
112 100
64 75.0 56.3 84.5
63 42.3 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: 123.735 ng

RT: 8.00 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

Instrument :

BNA_F

ClientSampled :

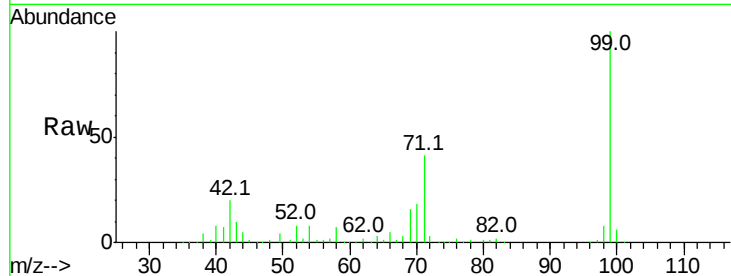
Tot Ion: 99 Resp: 430972

Ion Ratio Lower Upper

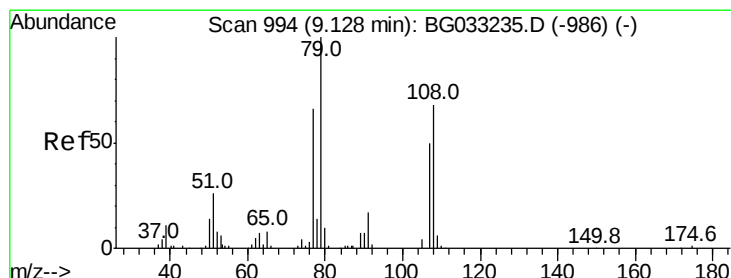
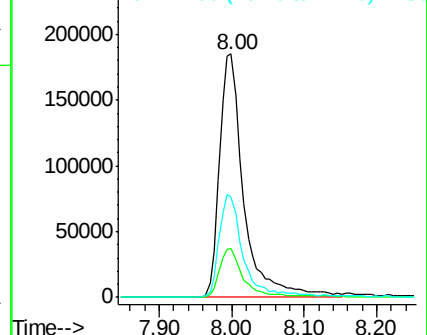
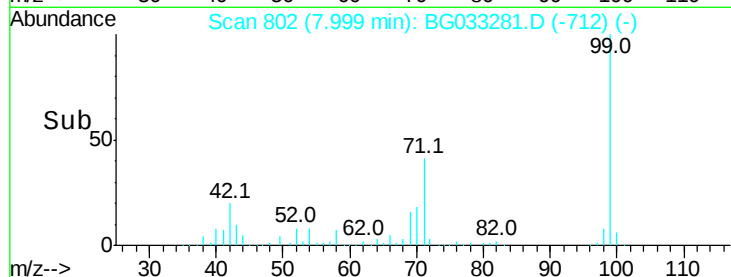
99 100

42 20.4 14.1 21.1

71 41.4 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: 2.006 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

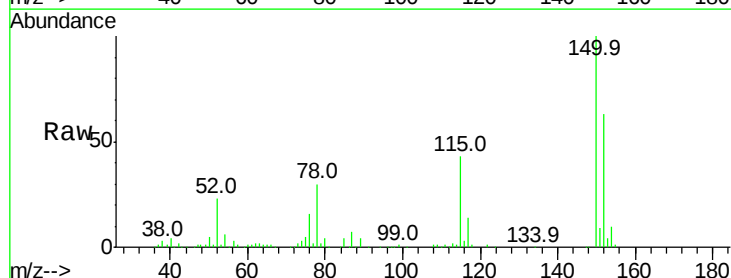
Tgt Ion: 79 Resp: 5501

Ion Ratio Lower Upper

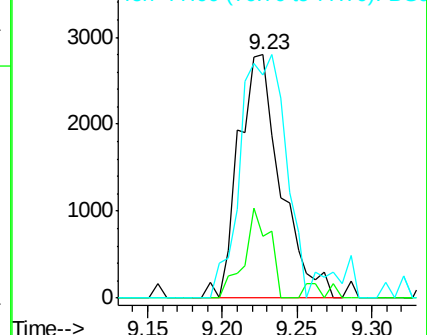
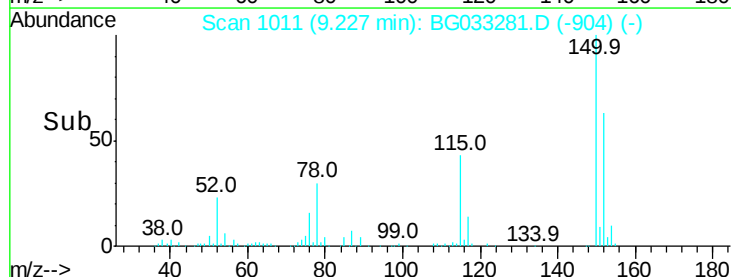
79 100

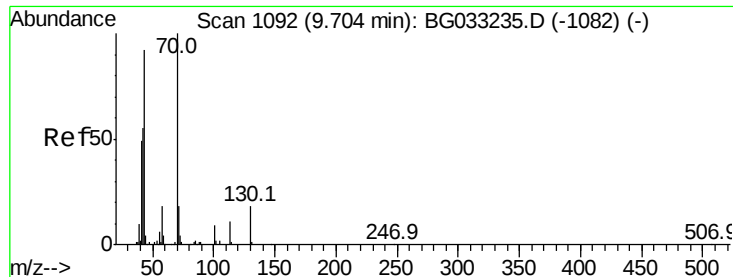
108 25.5 57.2 85.8#

77 91.7 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

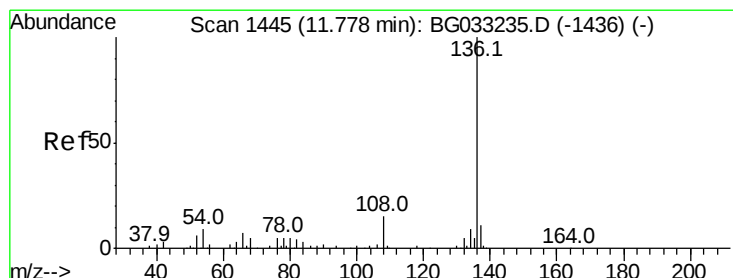
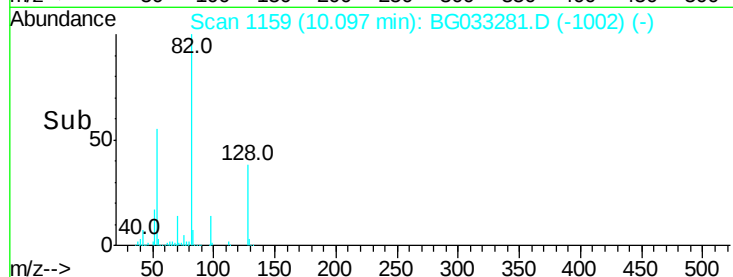
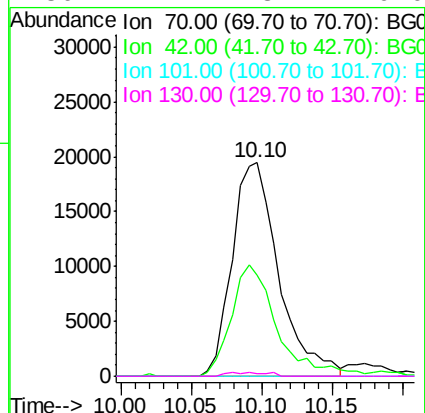
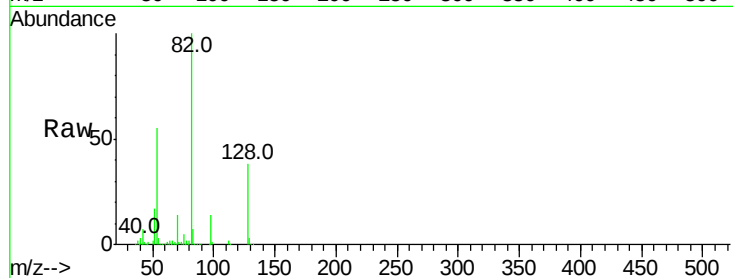




#19
n-Nitroso-di-n-propylamine
Concen: 17.547 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.39 min
Lab File: BG033281.D
Acq: 21 Mar 2018 00:50

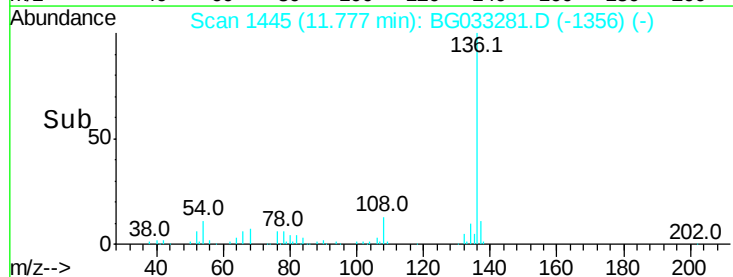
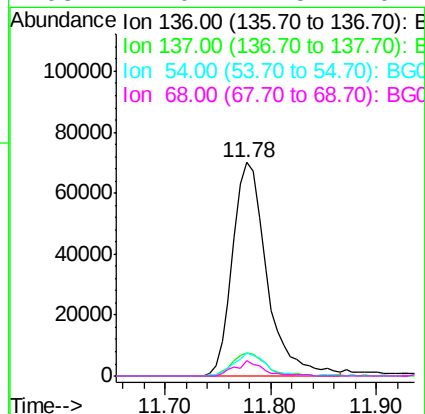
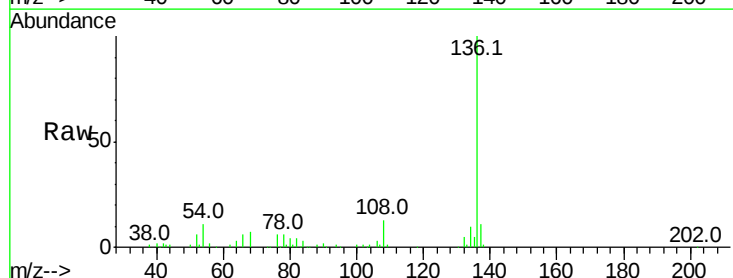
Instrument :
BNA_F
ClientSampleId :

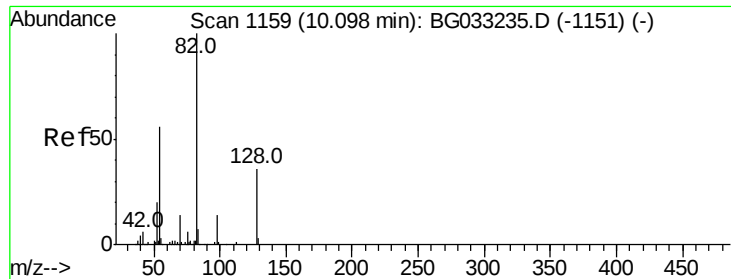
Tot Ion: 70 Resp: 44783
Ion Ratio Lower Upper
70 100
42 47.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033281.D
Acq: 21 Mar 2018 00:50

Tgt Ion: 136 Resp: 158157
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 10.9 10.3 15.5
68 7.0 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 98.562 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

Instrument :

BNA_F

ClientSampleId :

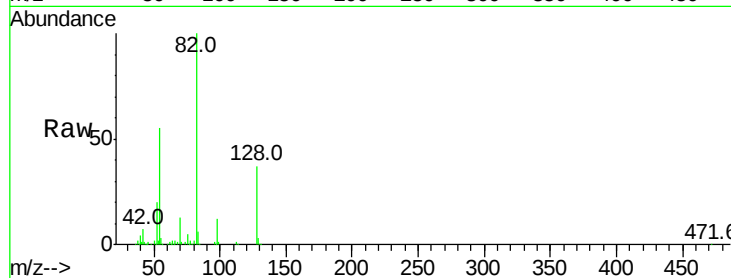
Tot Ion: 82 Resp: 339288

Ion Ratio Lower Upper

82 100

128 37.3 29.7 44.5

54 54.9 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

10.09

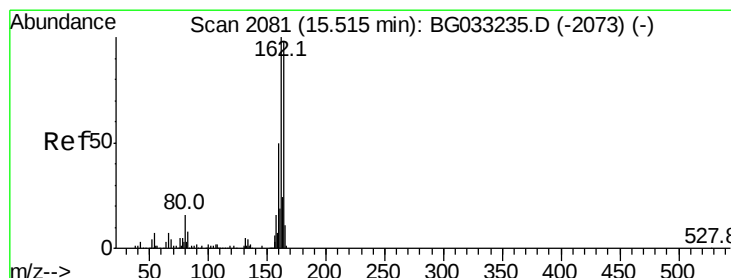
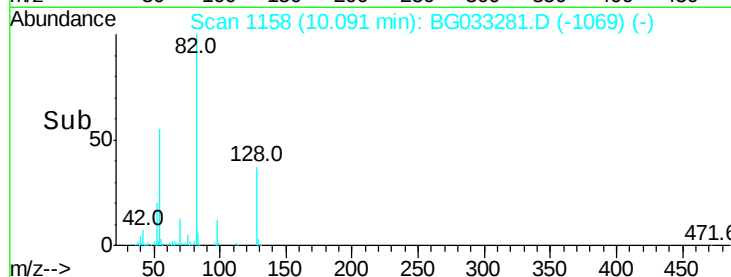
150000

100000

50000

0

Time--> 10.00 10.10 10.20 10.30



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

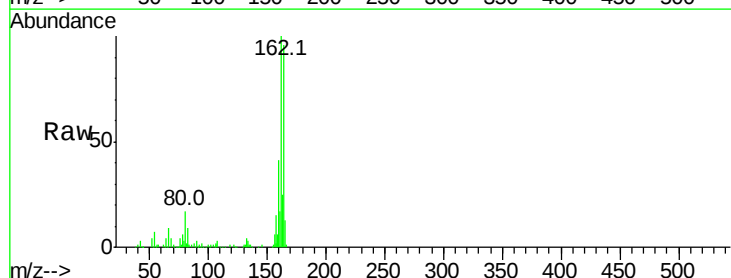
Tgt Ion: 164 Resp: 121783

Ion Ratio Lower Upper

164 100

162 104.4 78.8 118.2

160 43.3 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

15.51

80000

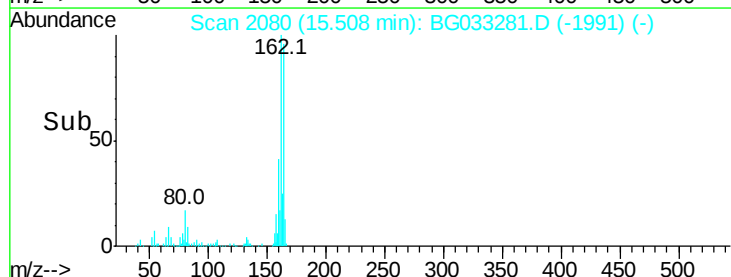
60000

40000

20000

0

Time--> 15.40 15.50 15.60

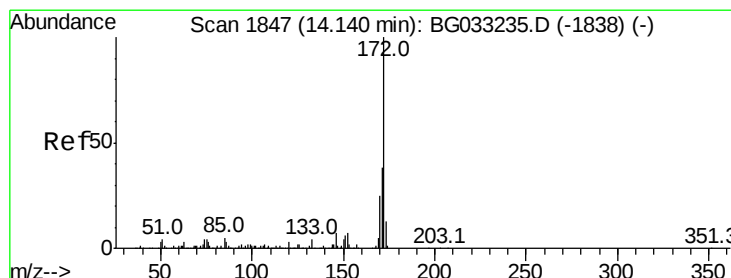
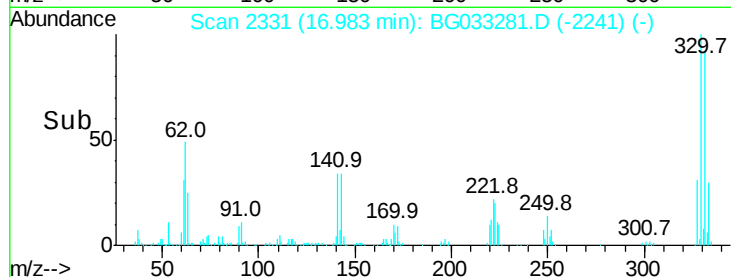
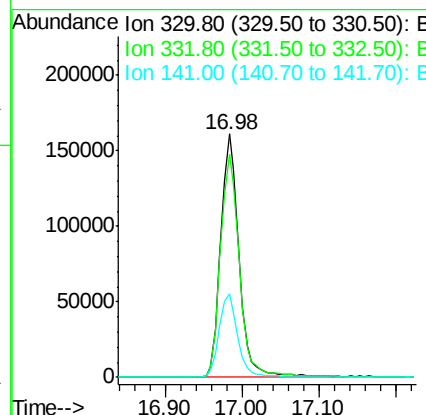
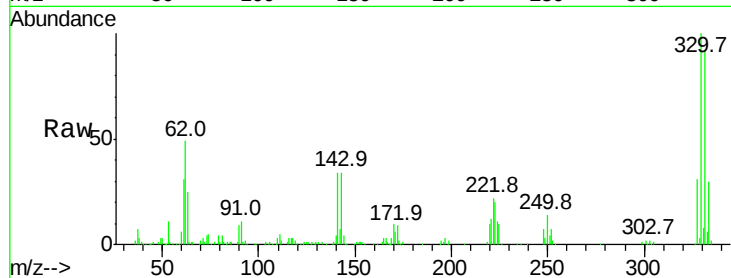




#41
 2,4,6-Tribromophenol
 Concen: 145.758 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: BG033281.D
 Acq: 21 Mar 2018 00:50

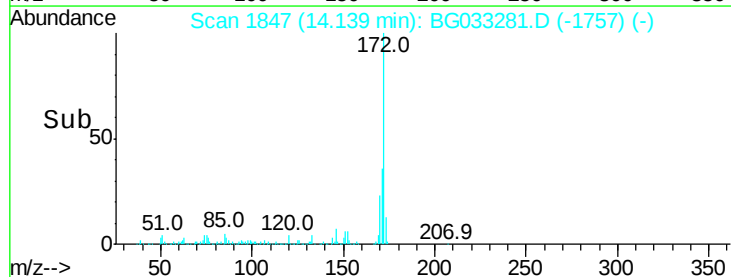
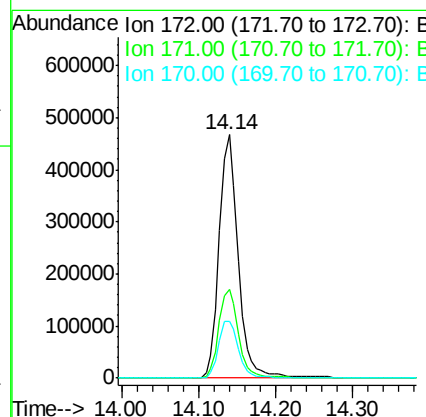
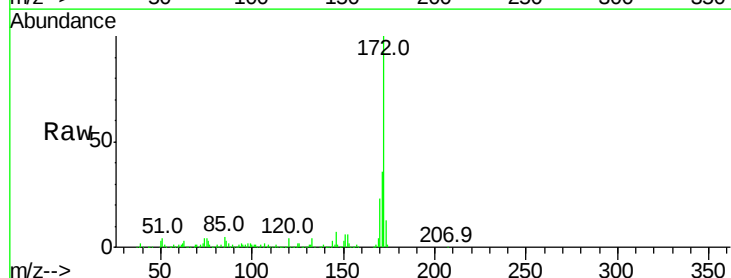
Instrument :
 BNA_F
 ClientSampleId :

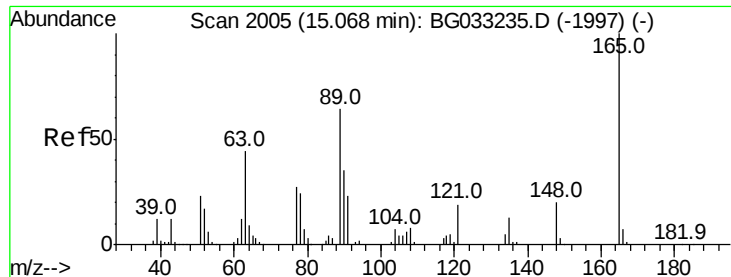
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	34.8	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 94.653 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033281.D
 Acq: 21 Mar 2018 00:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.0	45.0
170	23.2	19.5	29.3

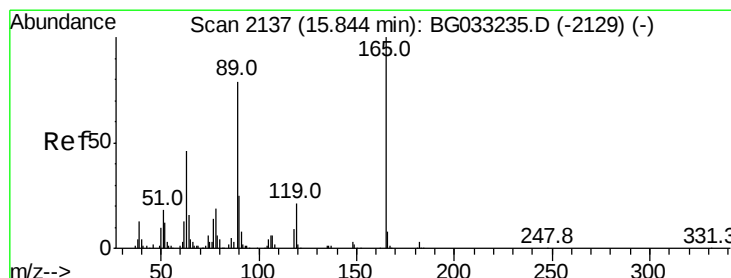
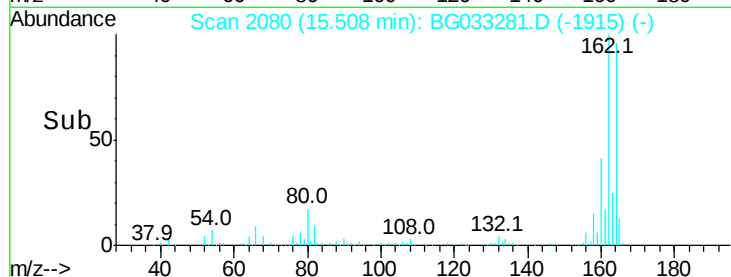
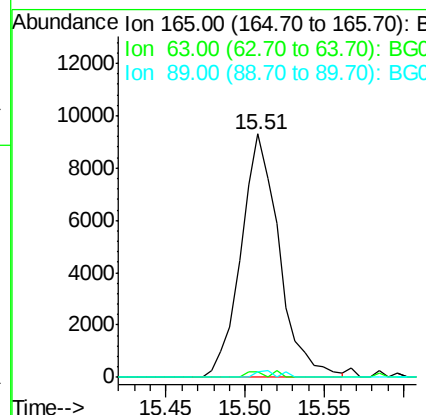
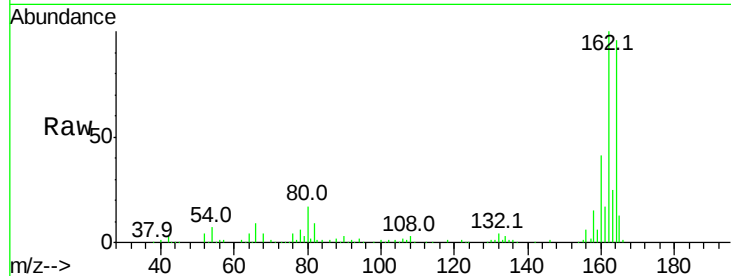




#50
 2,6-Dinitrotoluene
 Concen: 7.165 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.44 min
 Lab File: BG033281.D
 Acq: 21 Mar 2018 00:50

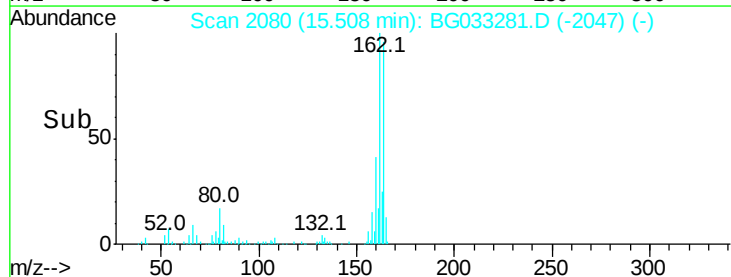
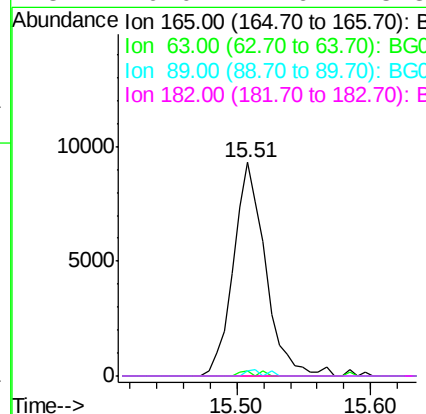
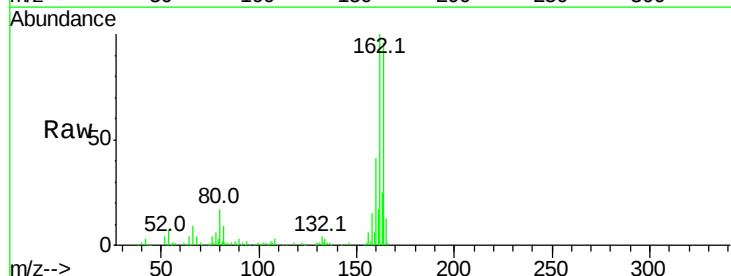
Instrument :
 BNA_F
 ClientSampleId :

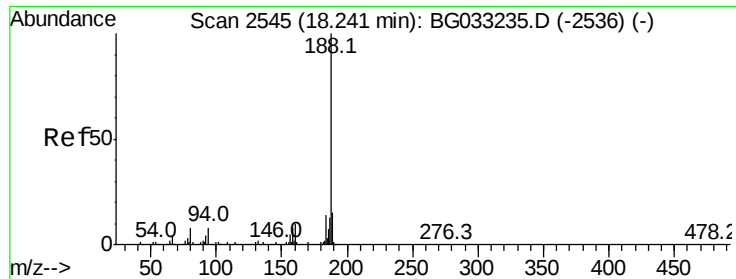
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	2.5	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.908 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. -0.34 min
 Lab File: BG033281.D
 Acq: 21 Mar 2018 00:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.24 min Scan# 2545

Delta R.T. -0.00 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

Instrument :

BNA_F

ClientSampled :

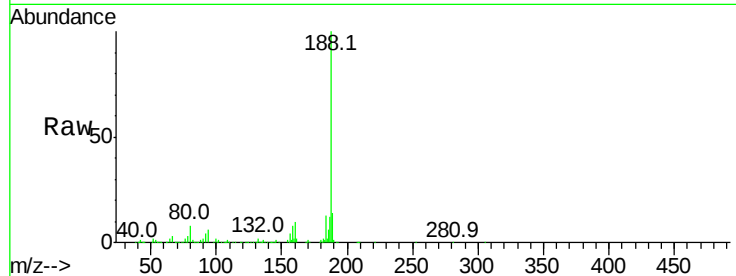
Tot Ion:188 Resp: 336338

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

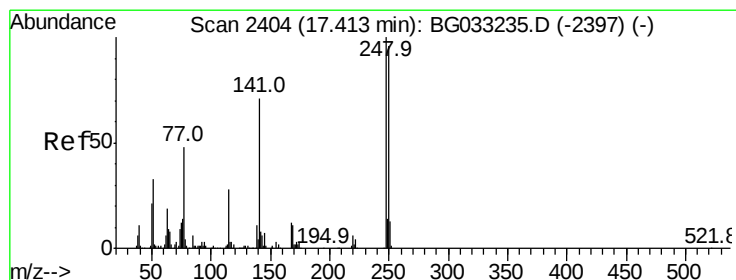
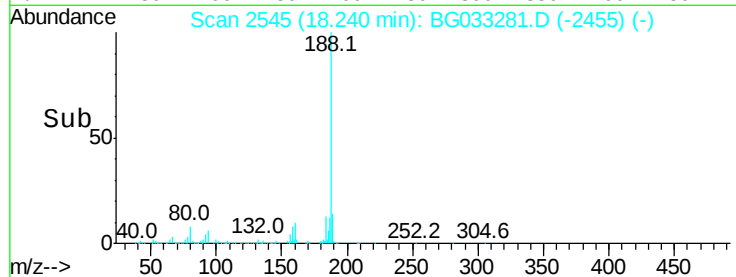
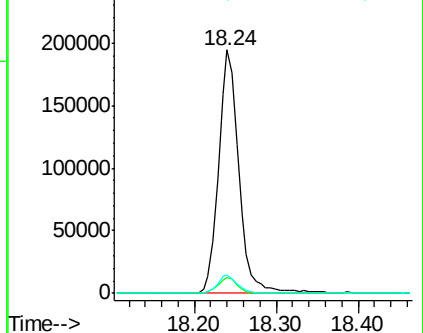
80 7.7 7.7 11.5



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: 4.772 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.43 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

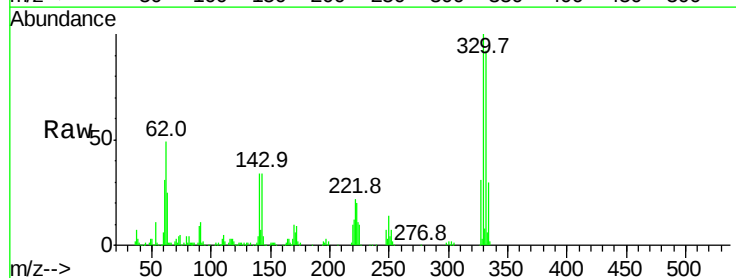
Tgt Ion:248 Resp: 18851

Ion Ratio Lower Upper

248 100

250 198.5 77.1 115.7#

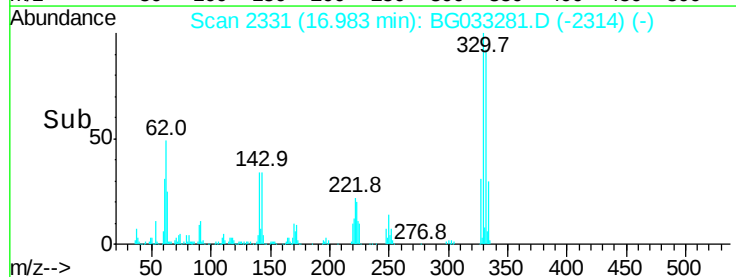
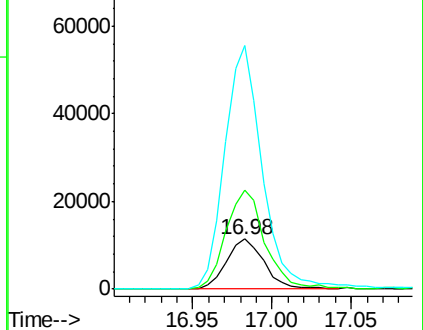
141 486.9 50.8 76.2#

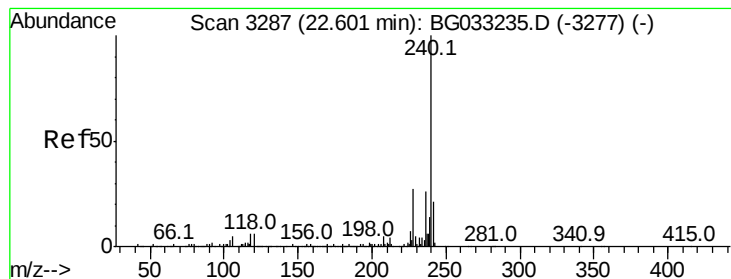


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.60 min Scan# 3287

Delta R.T. -0.00 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

Instrument :

BNA_F

ClientSampleId :

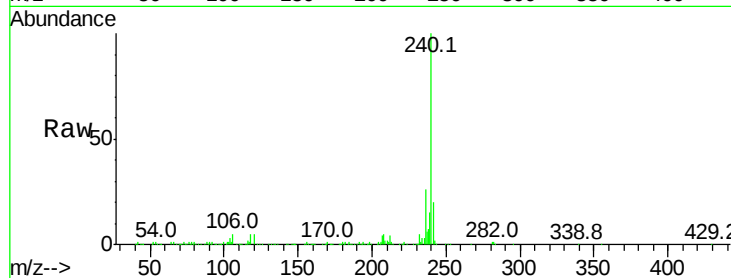
Tot Ion:240 Resp: 332230

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

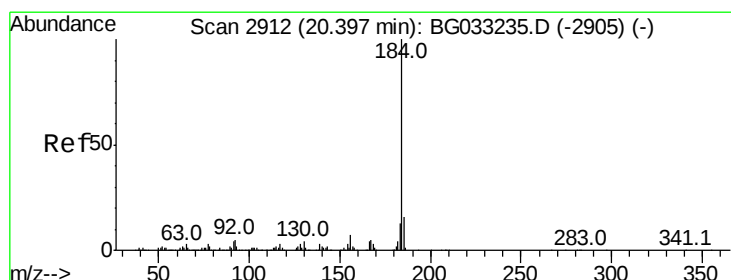
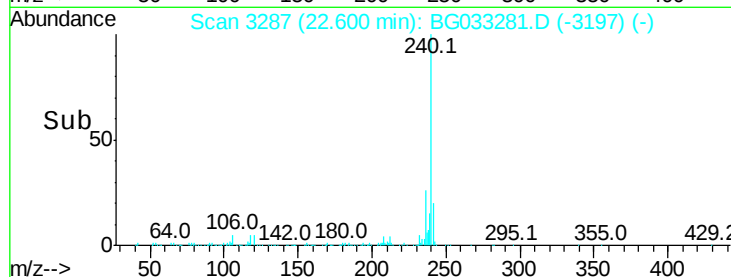
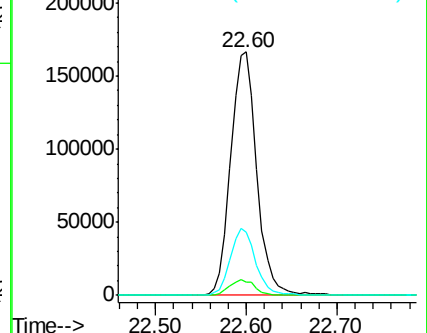
236 25.8 20.9 31.3



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: 2.887 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

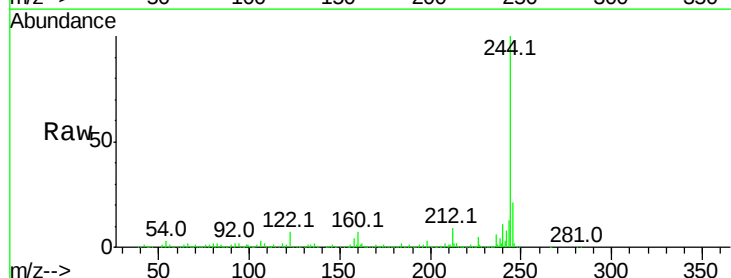
Tgt Ion:184 Resp: 26015

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

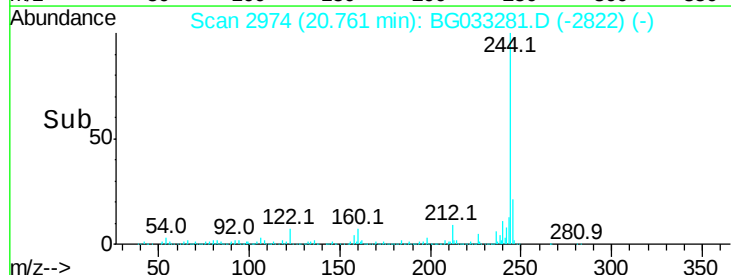
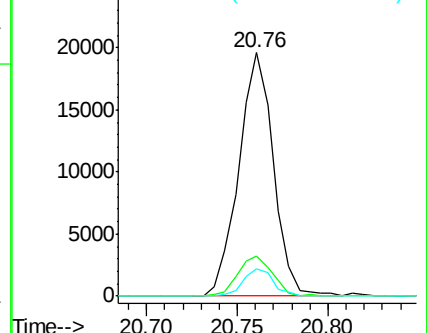
183 11.2 10.6 16.0

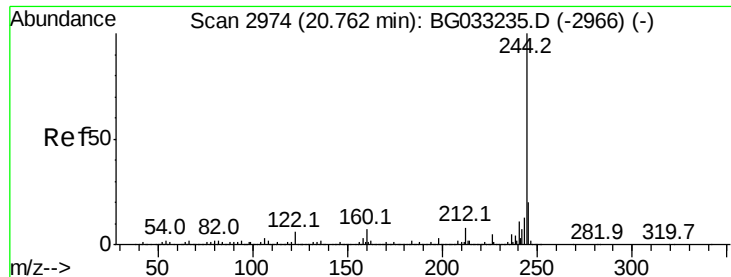


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.646 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

Instrument :

BNA_F

ClientSampleId :

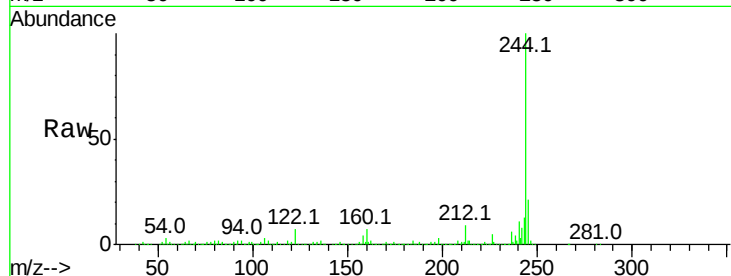
Tot Ion:244 Resp: 1579061

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	7.1	7.0	10.4

244 100

212 8.5 5.8 8.8

122 7.1 7.0 10.4

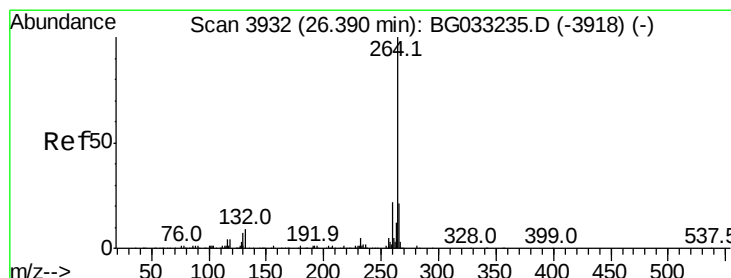
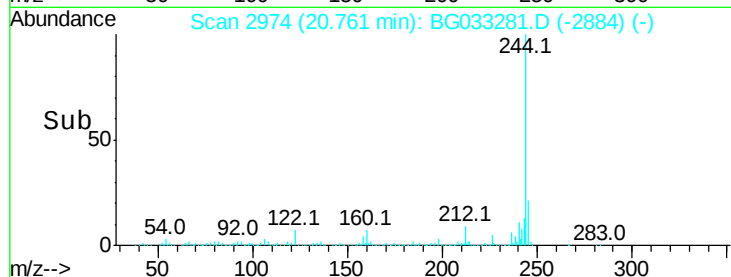
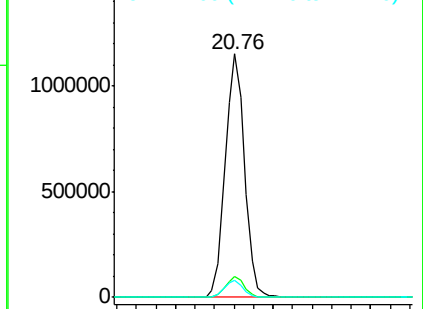


Abundance

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: 26.39 min Scan# 3932

Delta R.T. -0.01 min

Lab File: BG033281.D

Acq: 21 Mar 2018 00:50

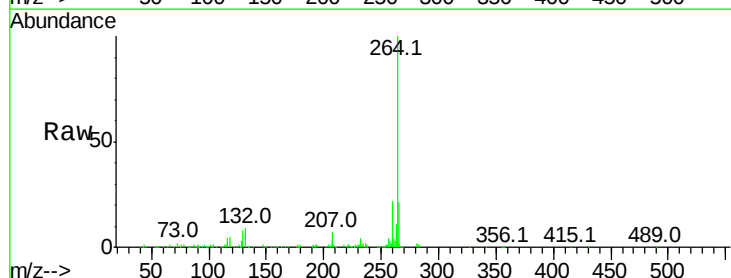
Tgt Ion:264 Resp: 342210

Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.4	26.0
265	21.4	17.7	26.5

264 100

260 21.8 17.4 26.0

265 21.4 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

