

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033379.D
 Acq On : 28 Mar 2018 1:50
 Operator : SJ/JU
 Sample : J2061-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:59:44 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

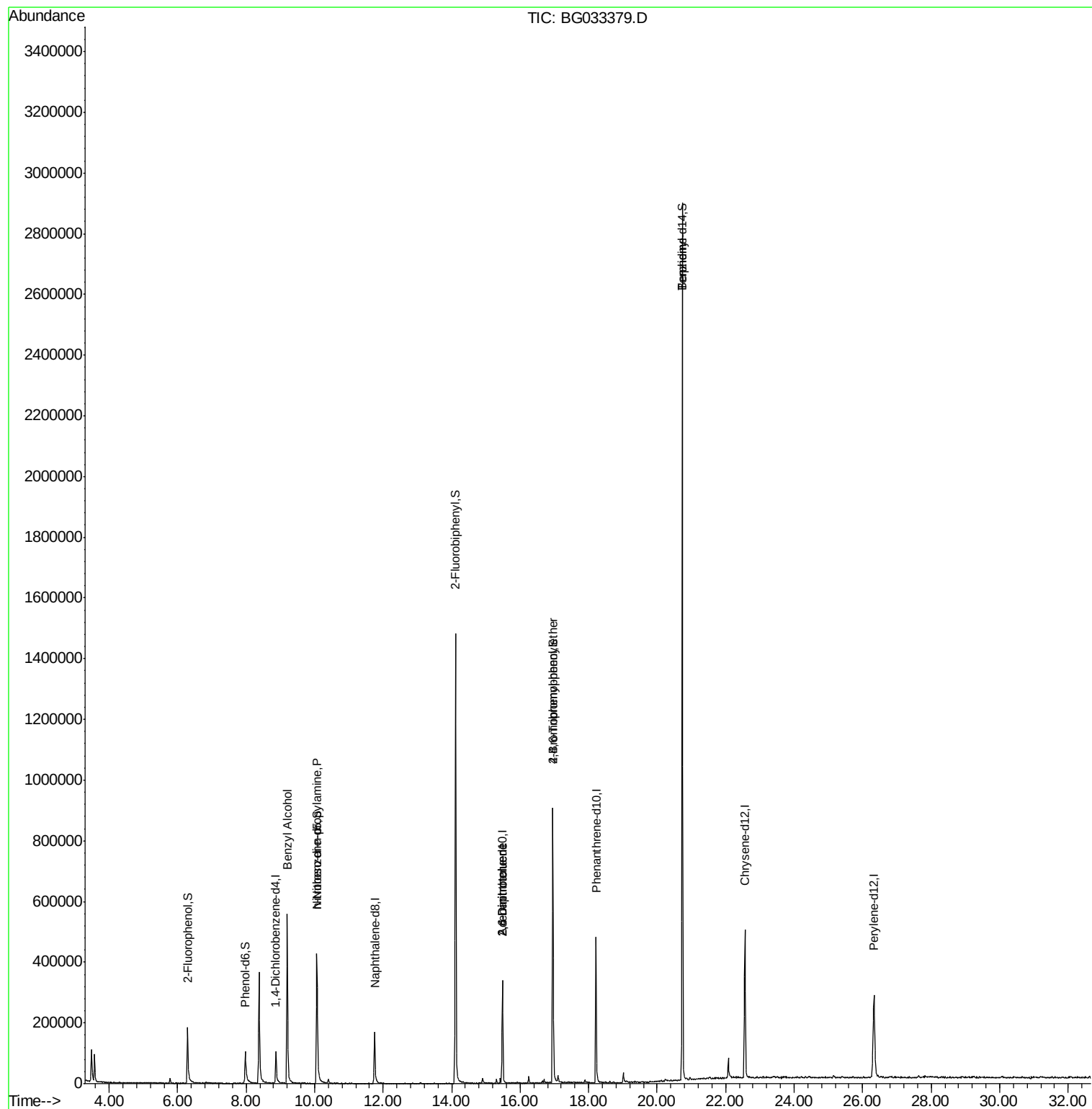
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	41974	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	165440	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	132746	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	353500	20.00	ng	-0.02
75) Chrysene-d12	22.56	240	354284	20.00	ng	-0.04
86) Perylene-d12	26.33	264	377189	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	101594	45.39	ng	-0.02
7) Phenol-d6	7.97	99	93988	24.44	ng	-0.02
23) Nitrobenzene-d5	10.07	82	350730	97.40	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	191436	96.42	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	871834	94.81	ng	-0.02
78) Terphenyl-d14	20.74	244	1484305	89.60	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.20	79	6356	2.099	ng	# 49
19) n-Nitroso-di-n-propylamine	10.07	70	48668	17.268	ng	# 76
50) 2,6-Dinitrotoluene	15.48	165	17561	7.434	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	17628	5.068	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	13863	3.339	ng	# 1
76) Benzidine	20.74	184	24293	2.529	ng	# 94

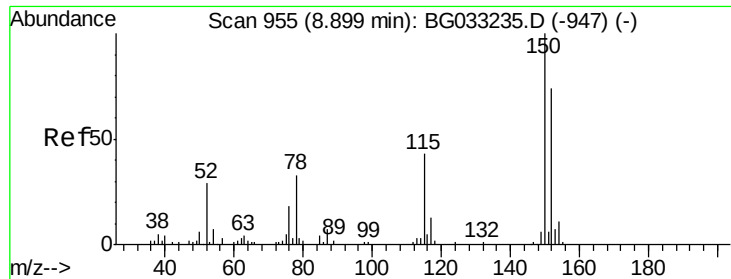
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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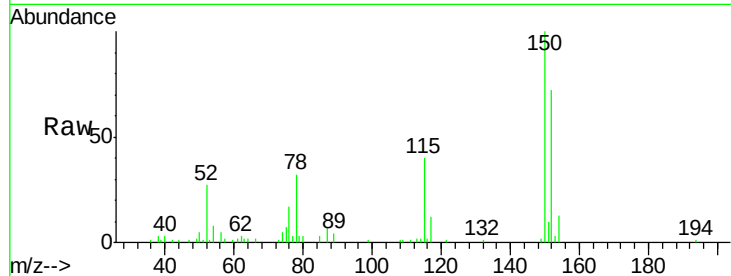


#1

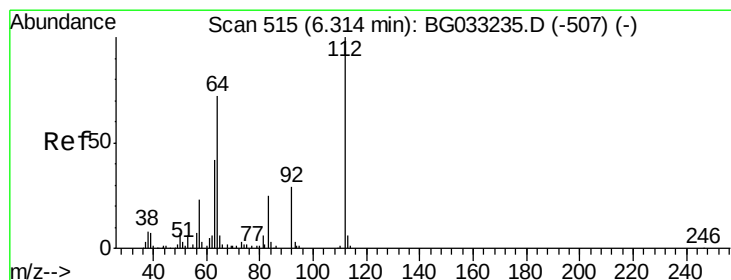
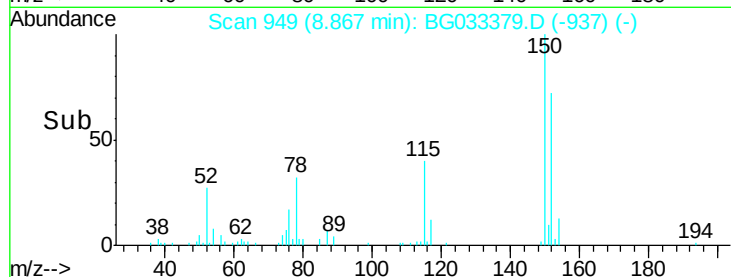
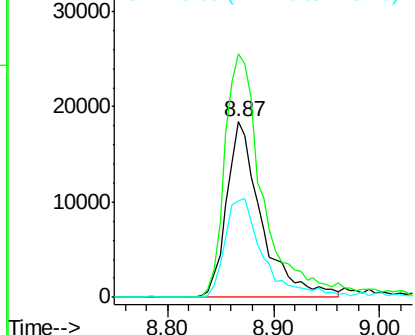
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.87 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BG033379.D
 Acq: 28 Mar 2018 1:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.0	126.6	189.8
115	55.2	53.0	79.4



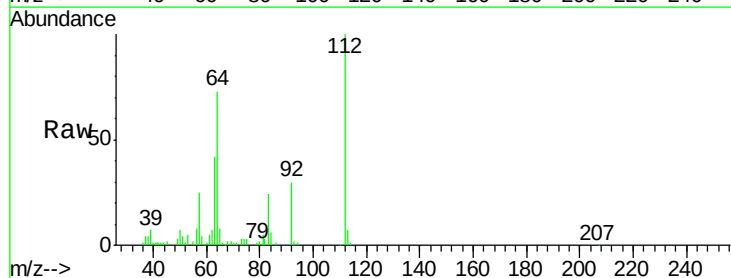
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



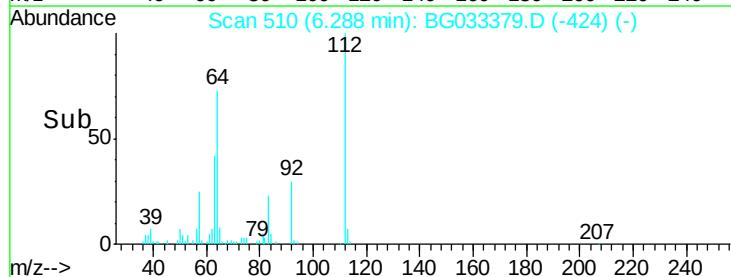
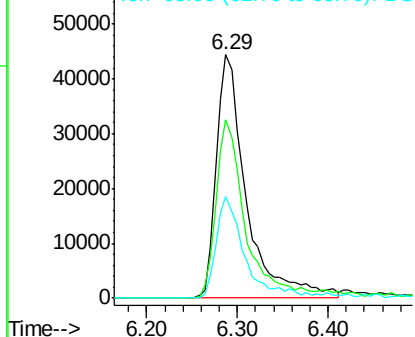
#5

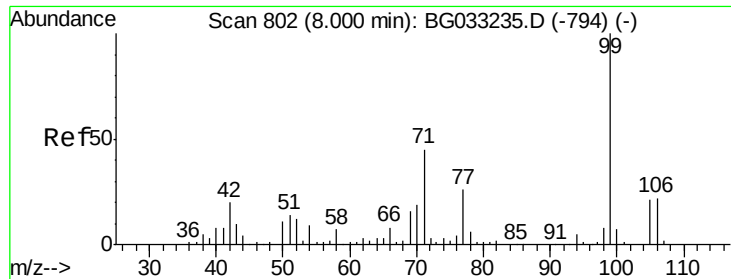
2-Fluorophenol
 Concen: 45.385 ng
 RT: 6.29 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: BG033379.D
 Acq: 28 Mar 2018 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	56.3	84.5
63	41.8	30.1	45.1



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





#7

Phenol-d6

Concen: 24.437 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.02 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

Instrument :

BNA_G

ClientSampled :

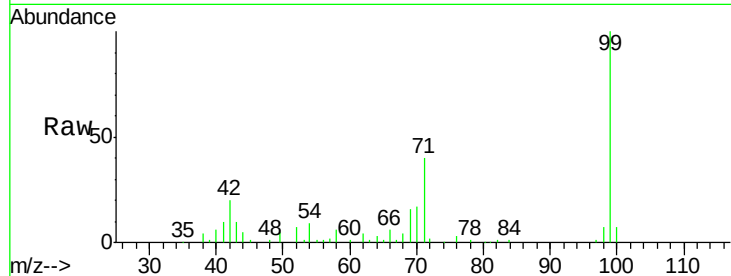
Tot Ion: 99 Resp: 93988

Ion Ratio Lower Upper

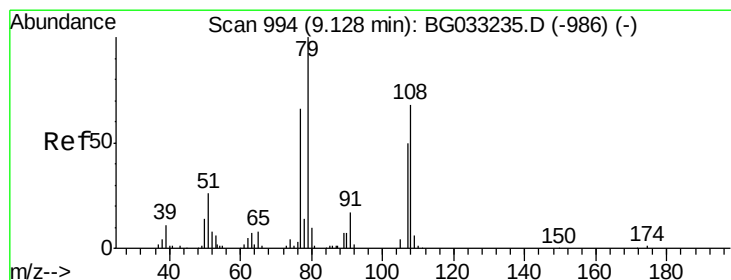
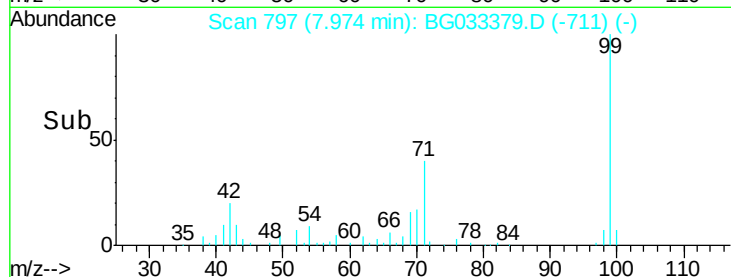
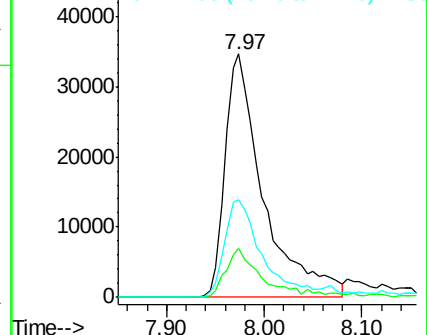
99 100

42 20.3 14.1 21.1

71 40.3 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: 2.099 ng

RT: 9.20 min Scan# 1005

Delta R.T. 0.07 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

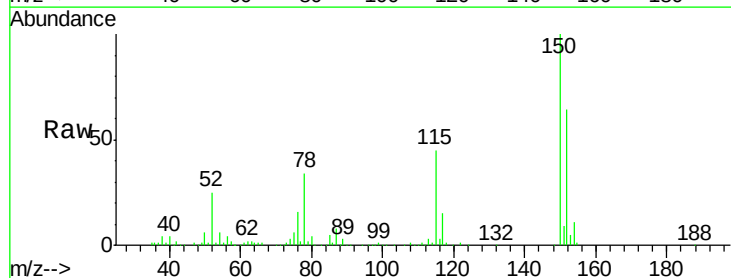
Tgt Ion: 79 Resp: 6356

Ion Ratio Lower Upper

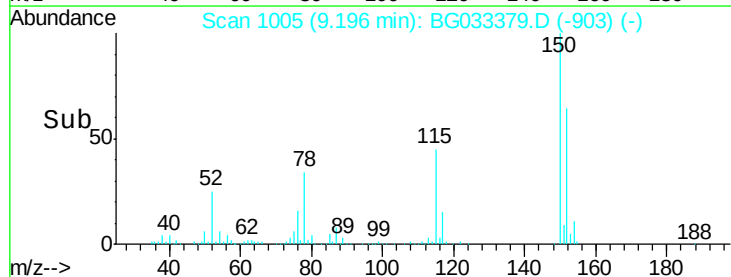
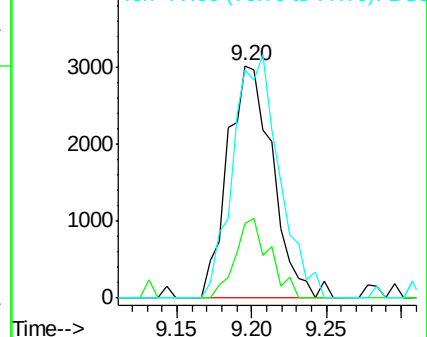
79 100

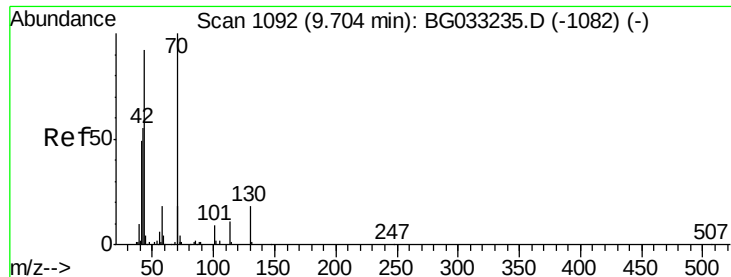
108 32.4 57.2 85.8#

77 98.2 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

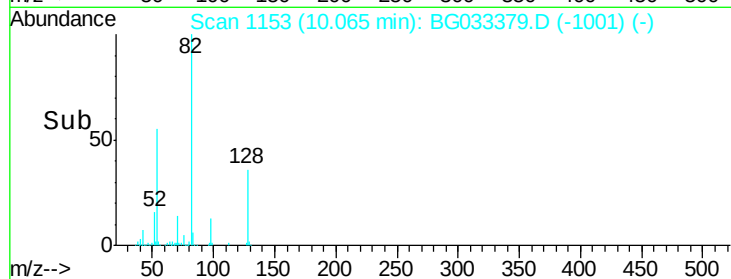
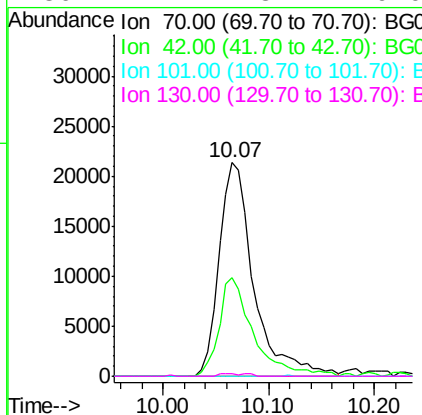
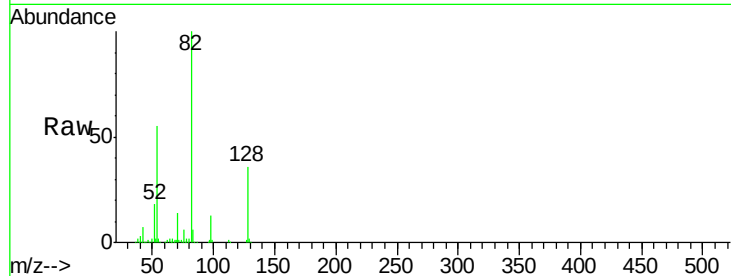




#19
n-Nitroso-di-n-propylamine
Concen: 17.268 ng
RT: 10.07 min Scan# 1153
Delta R.T. 0.36 min
Lab File: BG033379.D
Acq: 28 Mar 2018 1:50

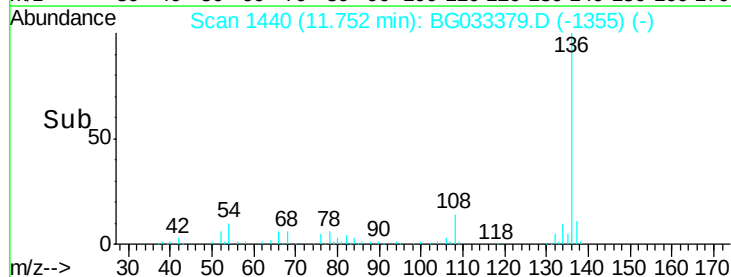
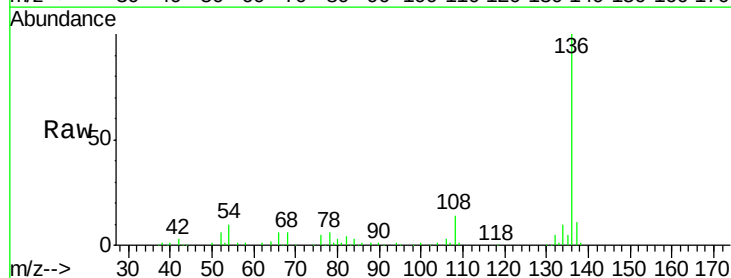
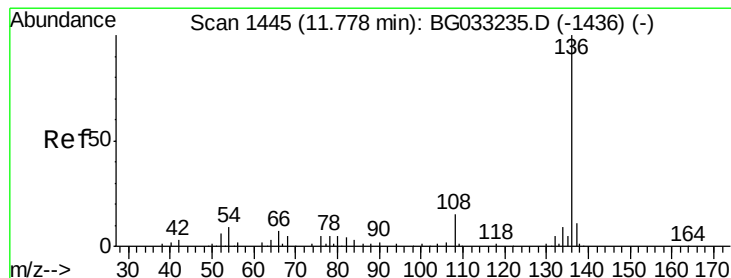
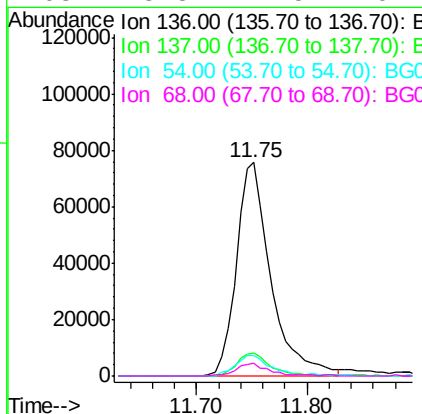
Instrument :
BNA_G
ClientSampleId :

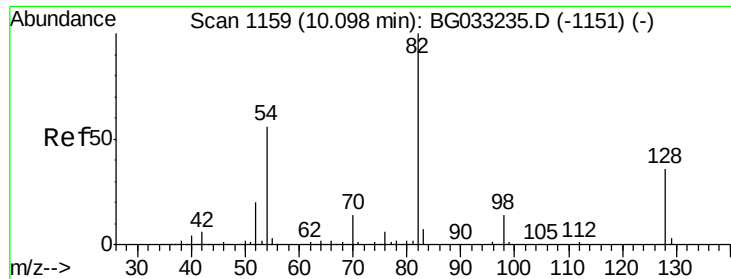
Tot Ion	70	Resp	48668
Ion Ratio	100	Lower	Upper
42	46.4	49.1	73.7#
101	0.0	8.5	12.7#
130	1.4	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033379.D
Acq: 28 Mar 2018 1:50

Tgt Ion	136	Resp	165440
Ion Ratio	100	Lower	Upper
137	10.9	9.2	13.8
54	9.6	10.3	15.5#
68	5.8	4.5	6.7

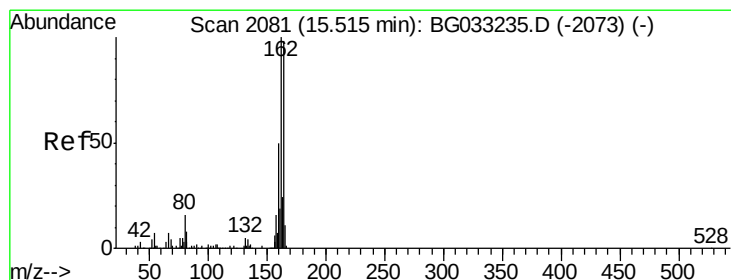
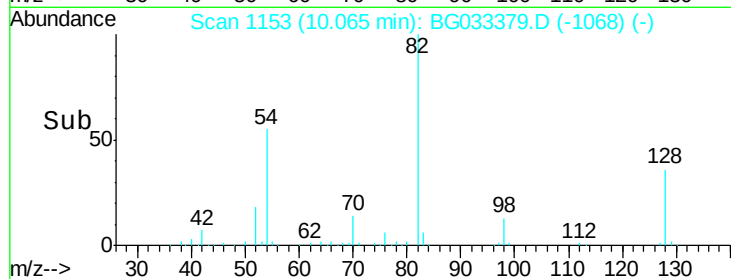
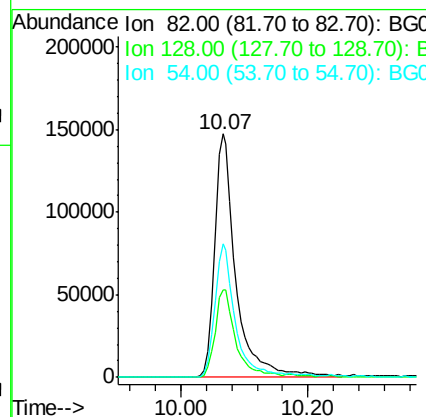
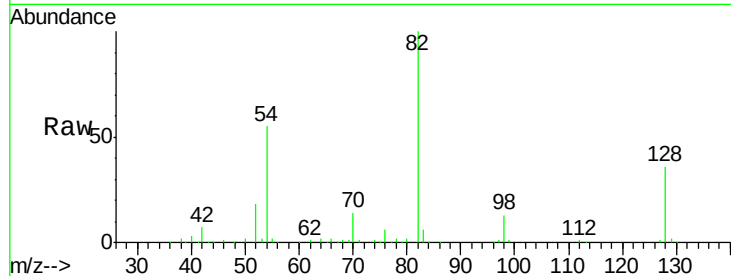




#23
 Nitrobenzene-d5
 Concen: 97.401 ng
 RT: 10.07 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: BG033379.D
 Acq: 28 Mar 2018 1:50

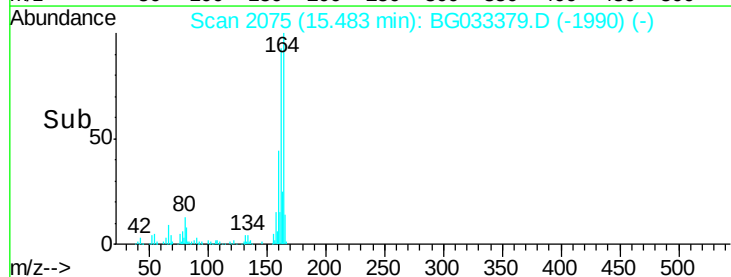
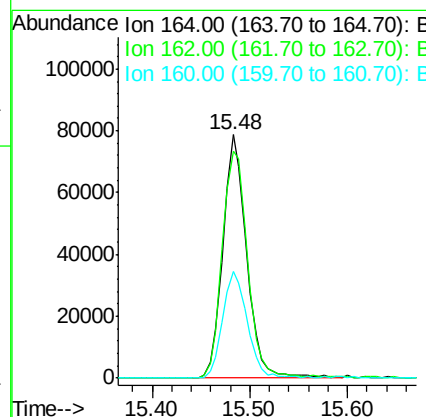
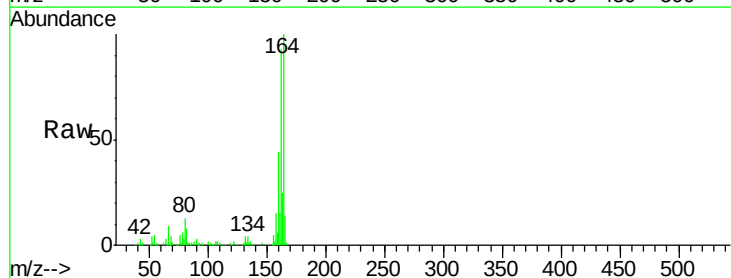
Instrument :
 BNA_G
 ClientSampled :

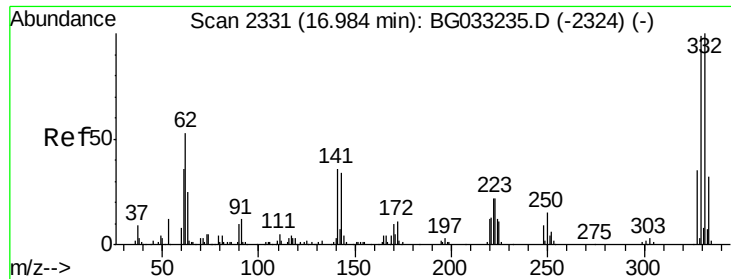
Tot Ion	82	Resp	350730
Ion Ratio	Lower	Upper	
82	100		
128	36.0	29.7	44.5
54	55.0	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: BG033379.D
 Acq: 28 Mar 2018 1:50

Tgt Ion	164	Resp	132746
Ion Ratio	Lower	Upper	
164	100		
162	93.3	78.8	118.2
160	43.7	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 96.423 ng

RT: 16.96 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

Instrument :

BNA_G

ClientSampleId :

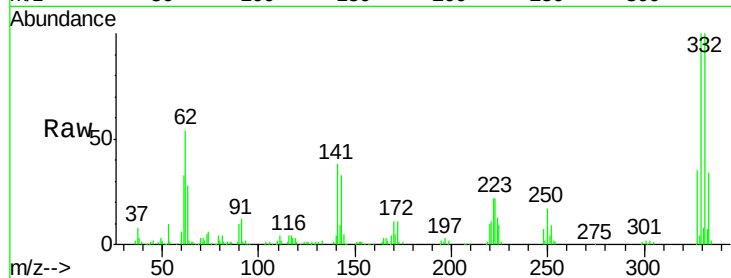
Tot Ion:330 Resp: 191436

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

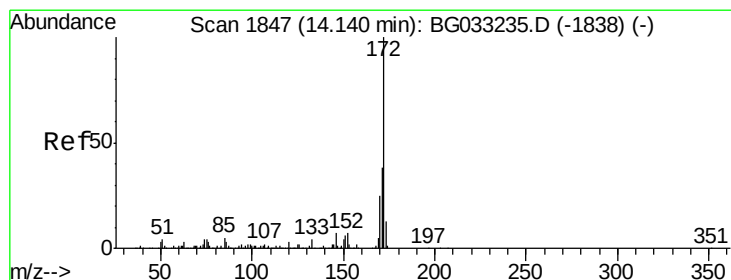
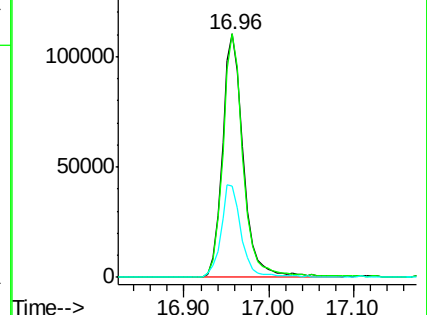
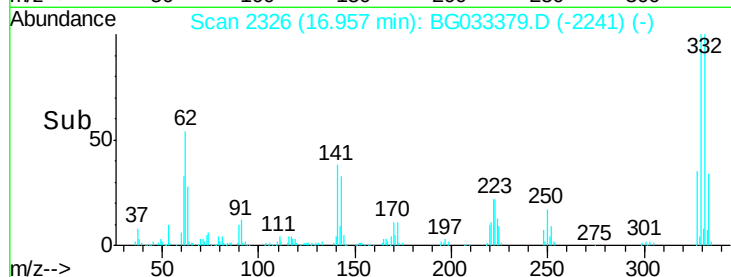
141 36.8 25.2 37.8



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: 94.813 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

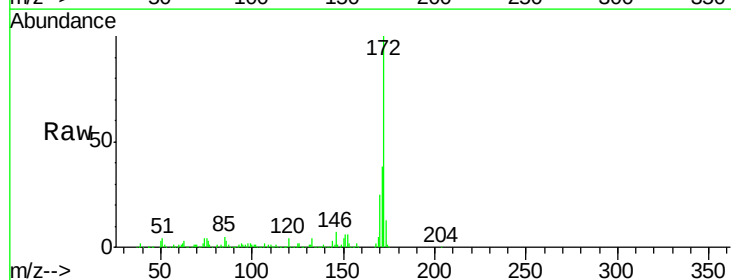
Tgt Ion:172 Resp: 871834

Ion Ratio Lower Upper

172 100

171 37.9 30.0 45.0

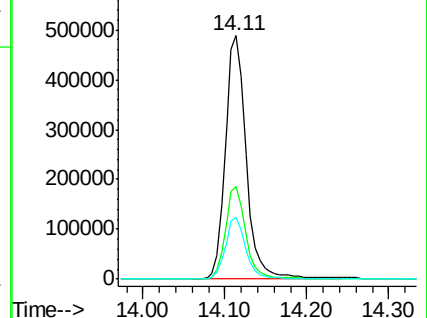
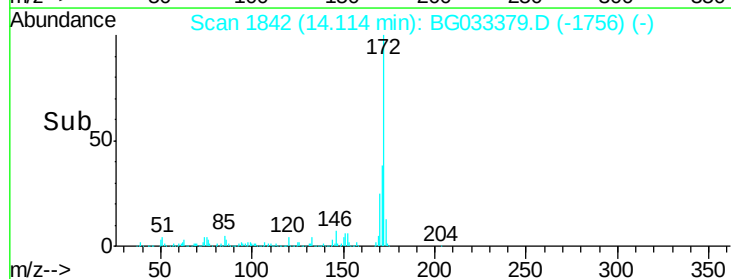
170 25.2 19.5 29.3

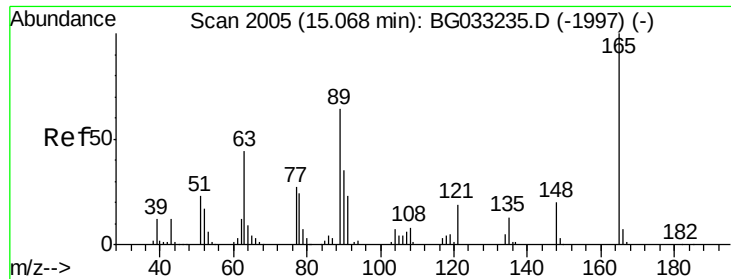


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

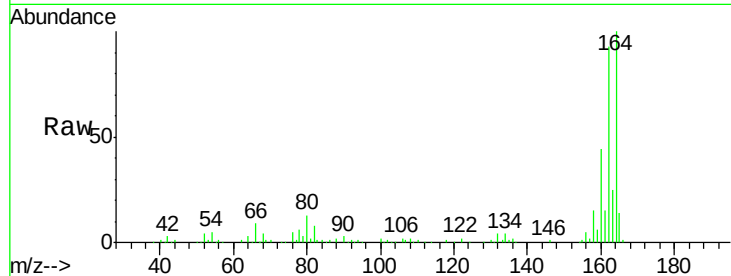




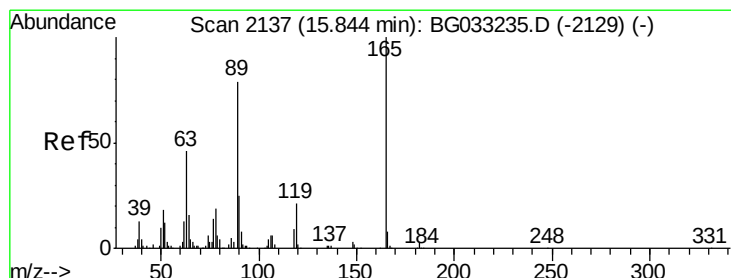
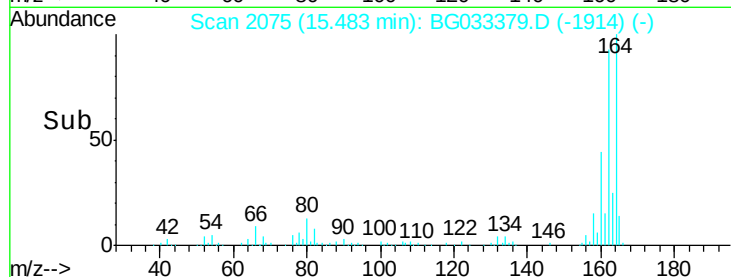
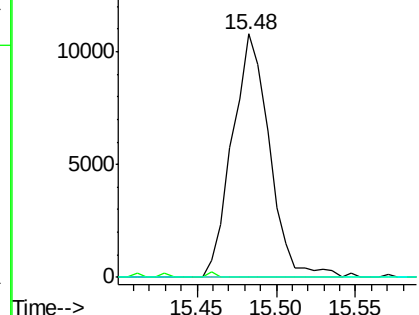
#50
2,6-Dinitrotoluene
Concen: 7.434 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.42 min
Lab File: BG033379.D
Acq: 28 Mar 2018 1:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

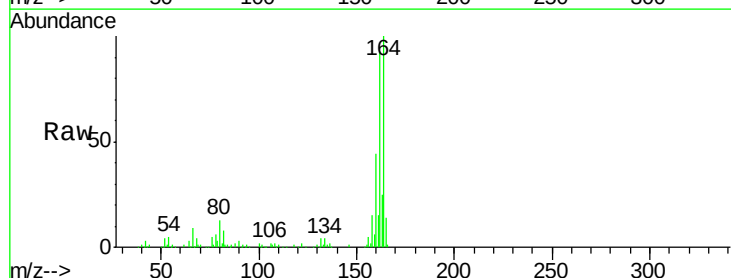


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

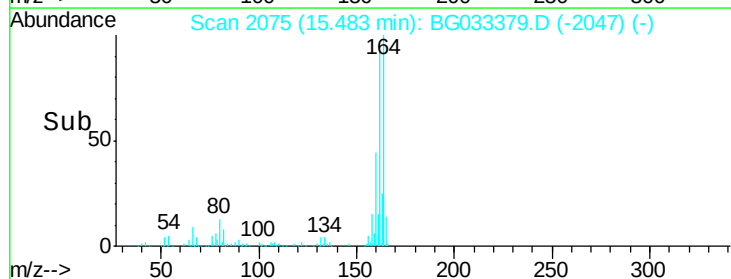
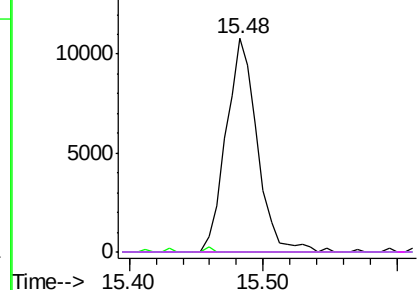


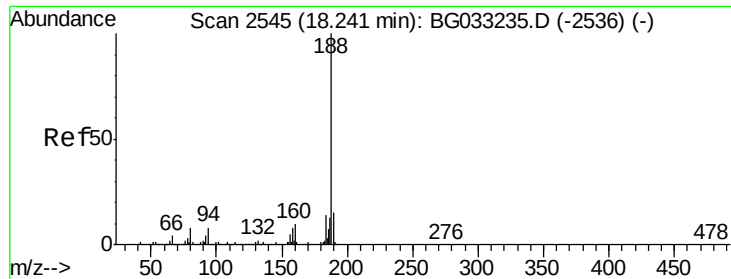
#56
2,4-Dinitrotoluene
Concen: 5.068 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.36 min
Lab File: BG033379.D
Acq: 28 Mar 2018 1:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	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

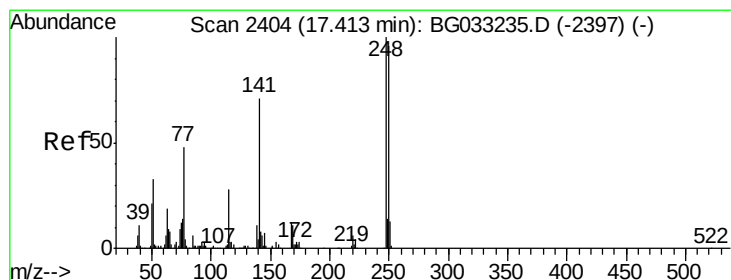
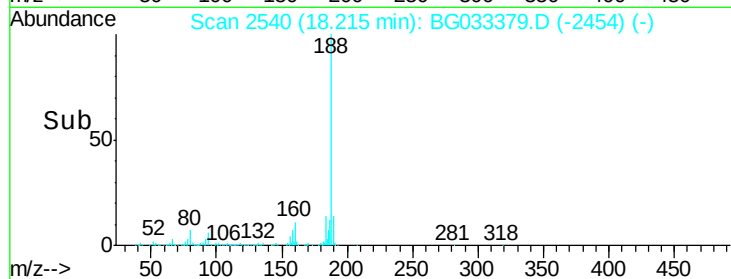
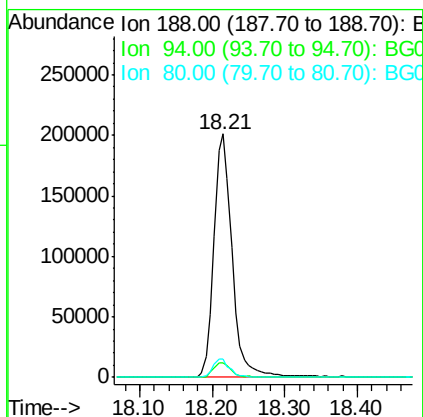
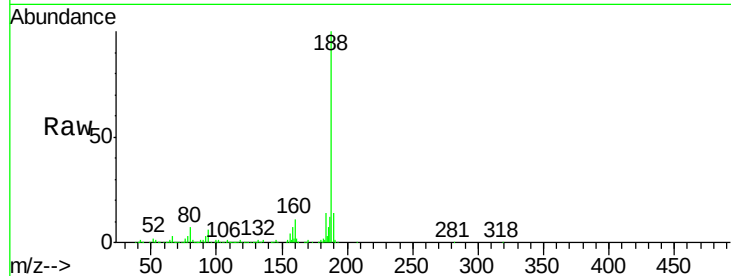




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BG033379.D
Acq: 28 Mar 2018 1:50

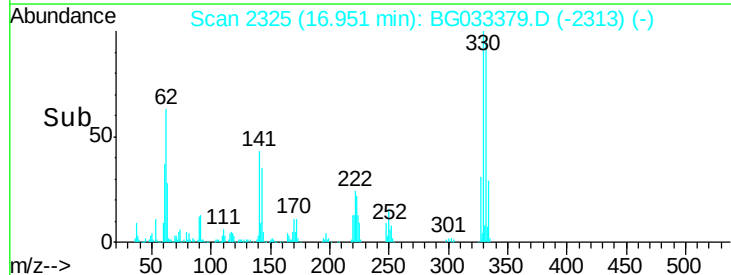
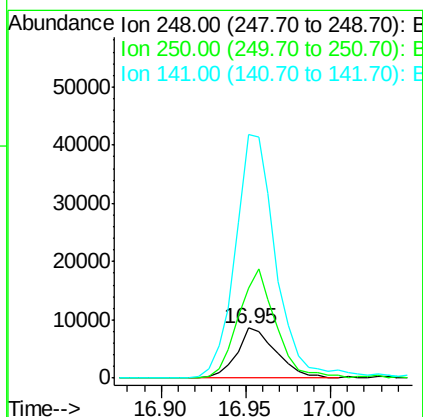
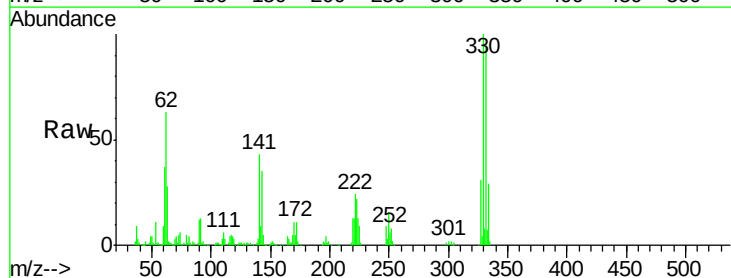
Instrument :
BNA_G
ClientSampleId :

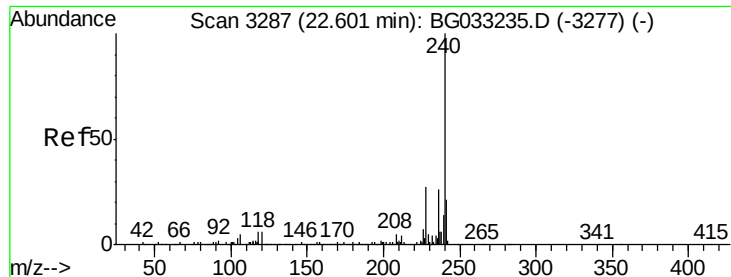
Tot Ion:188 Resp: 353500
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 7.4 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.339 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.46 min
Lab File: BG033379.D
Acq: 28 Mar 2018 1:50

Tgt Ion:248 Resp: 13863
Ion Ratio Lower Upper
248 100
250 180.7 77.1 115.7#
141 486.0 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

Instrument :

BNA_G

ClientSampled :

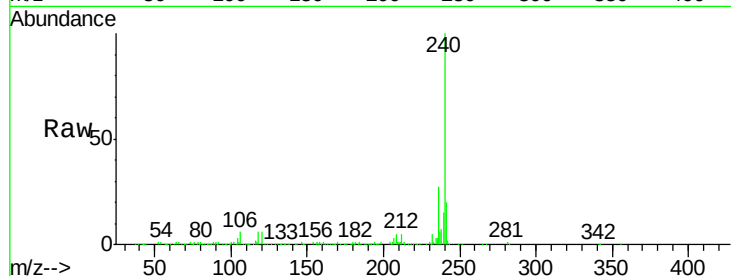
Tot Ion:240 Resp: 354284

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

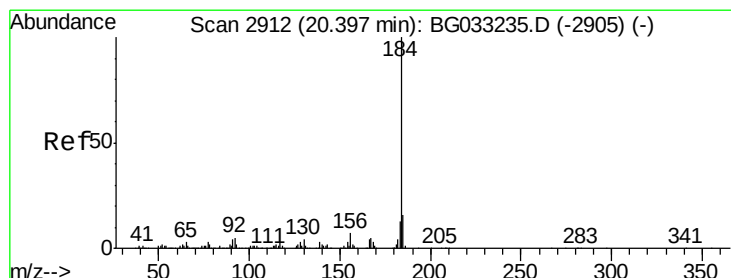
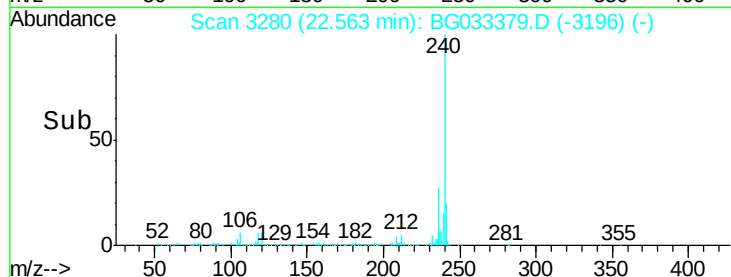
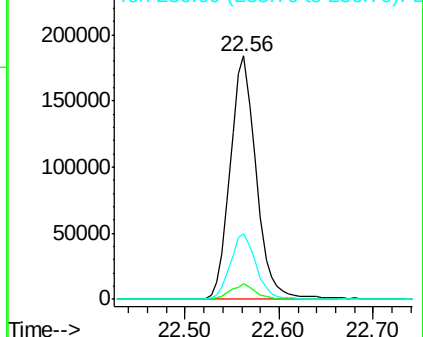
236 27.0 20.9 31.3



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: 2.529 ng

RT: 20.74 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

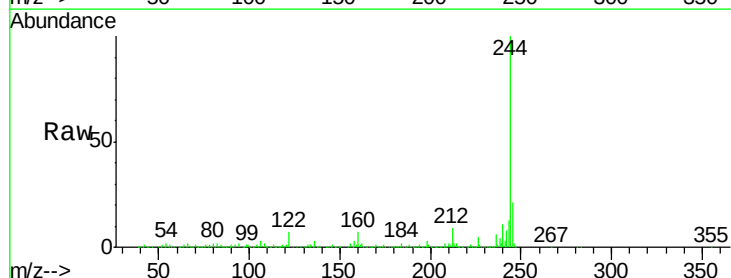
Tgt Ion:184 Resp: 24293

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

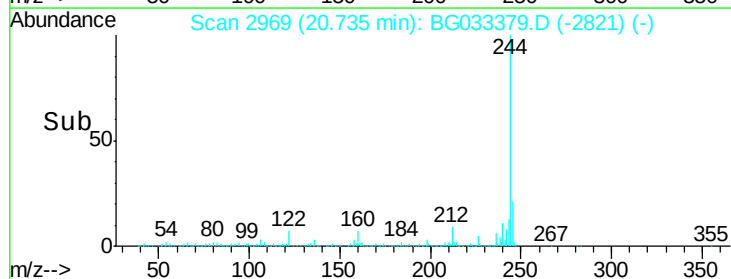
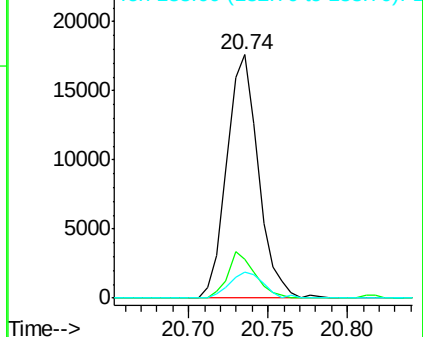
183 10.6 10.6 16.0#

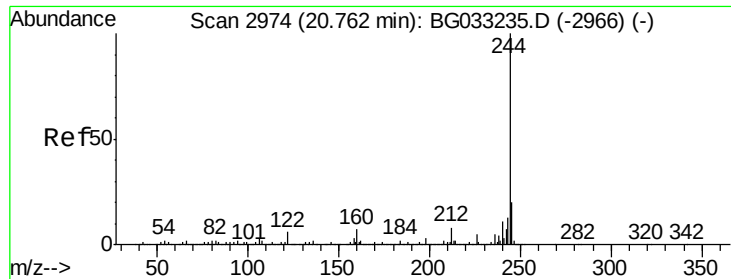


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.599 ng

RT: 20.74 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

Instrument :

BNA_G

ClientSampleId :

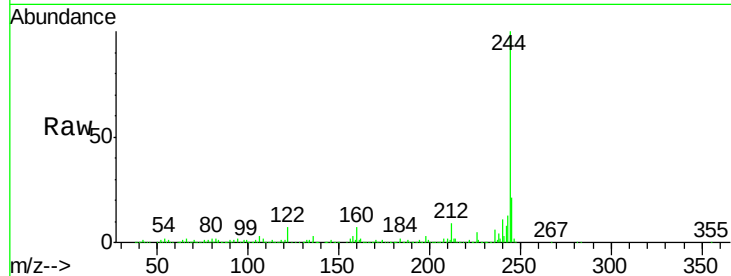
Tot Ion:244 Resp: 1484305

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

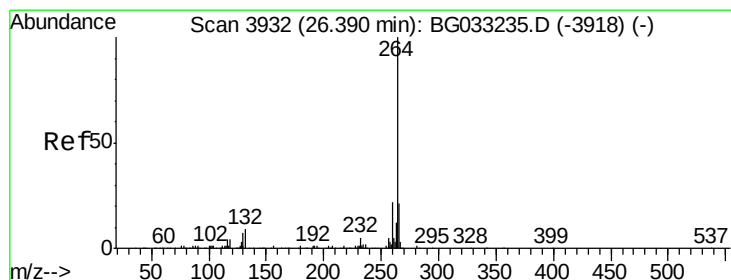
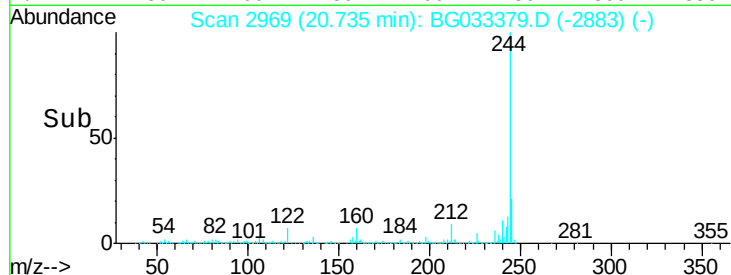
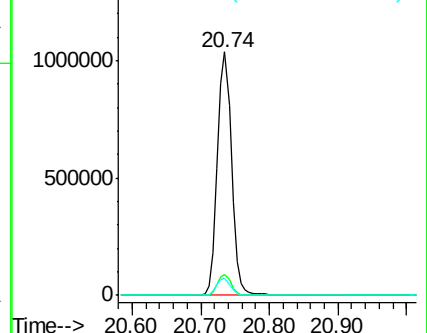
122 6.9 7.0 10.4#



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: 26.33 min Scan# 3921

Delta R.T. -0.06 min

Lab File: BG033379.D

Acq: 28 Mar 2018 1:50

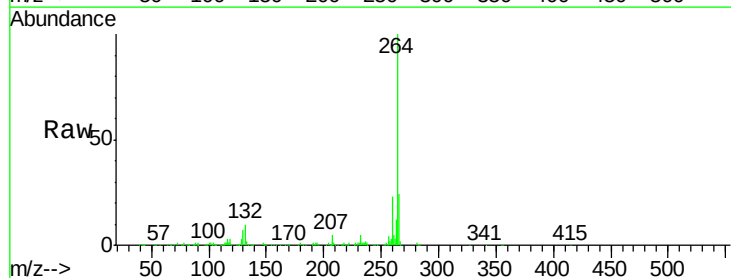
Tgt Ion:264 Resp: 377189

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 24.1 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

