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 Data File : BG033285.D
 Acq On : 21 Mar 2018 3:20
 Operator : SJ/JU
 Sample : J1977-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 06:36:51 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

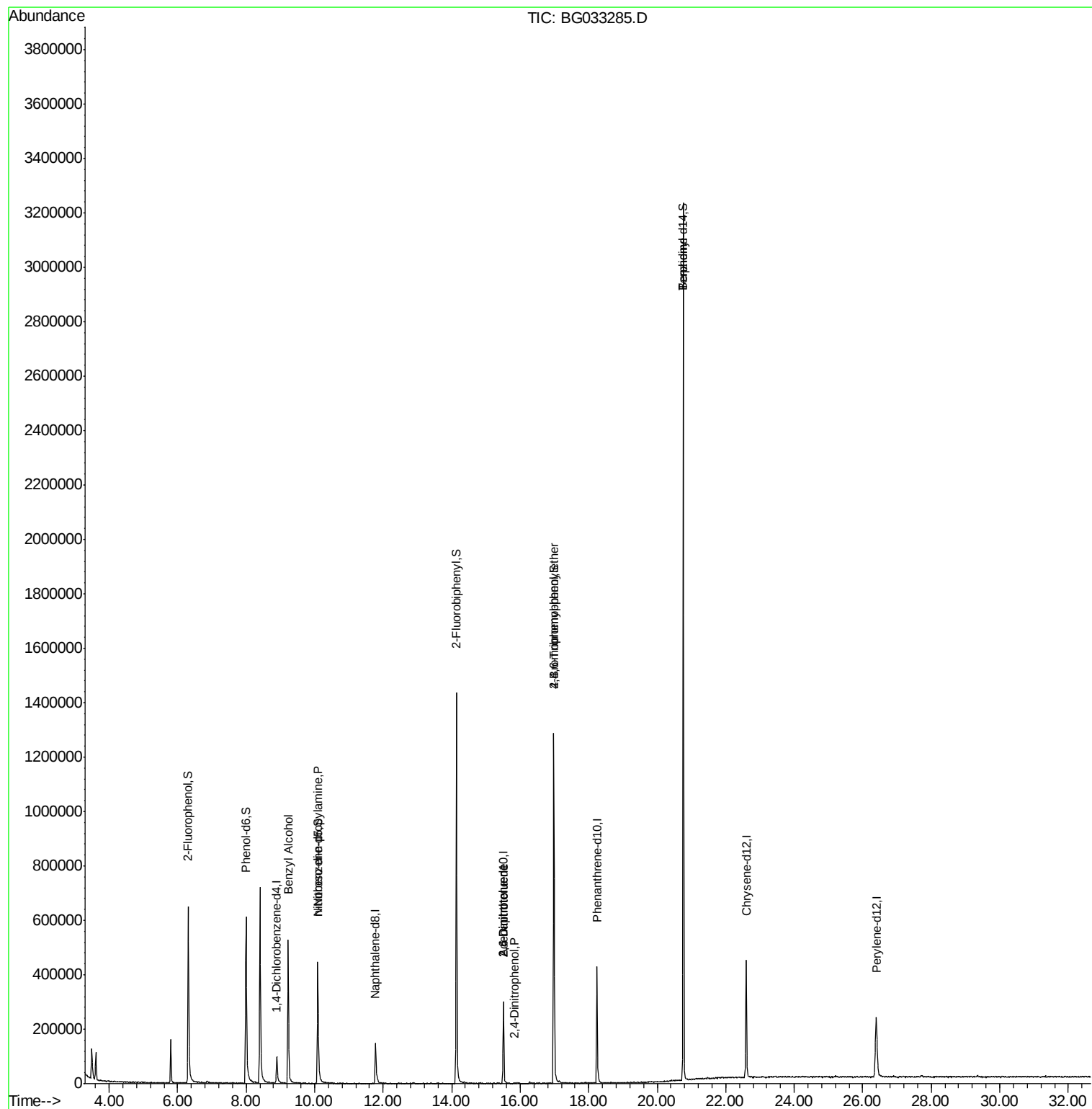
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	35141	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	149649	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	117041	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	320264	20.00	ng	0.00
75) Chrysene-d12	22.60	240	319830	20.00	ng	0.00
86) Perylene-d12	26.39	264	329078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	321093	171.33	ng	0.00
7) Phenol-d6	8.00	99	439547	136.50	ng	0.00
23) Nitrobenzene-d5	10.09	82	354229	108.75	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	259426	148.20	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	831098	102.51	ng	0.00
78) Terphenyl-d14	20.76	244	1657953	110.86	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.23	79	5478	2.161	ng	# 34
19) n-Nitroso-di-n-propylamine	10.09	70	46538	19.724	ng	# 79
50) 2,6-Dinitrotoluene	15.51	165	14655	7.037	ng	# 18
53) 2,4-Dinitrophenol	15.83	184	56	7.690	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	14655	4.779	ng	# 16
66) 4-Bromophenyl-phenylether	16.98	248	18569	4.937	ng	# 1
76) Benzidine	20.76	184	28872	3.329	ng	# 92

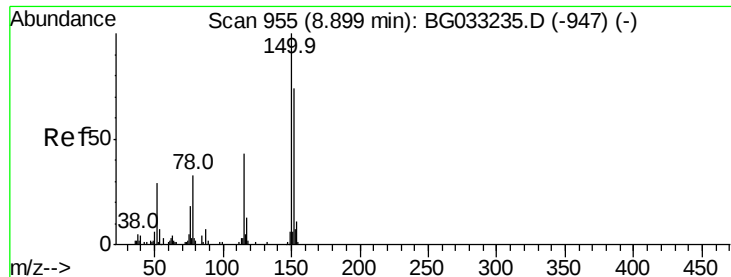
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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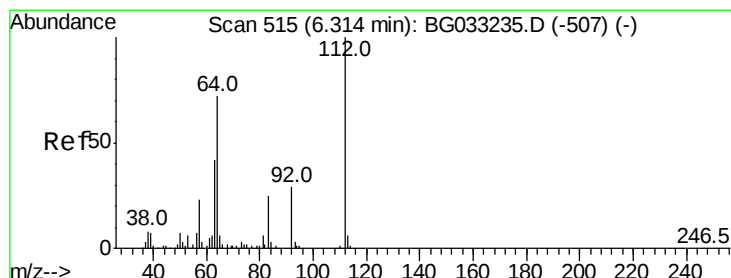
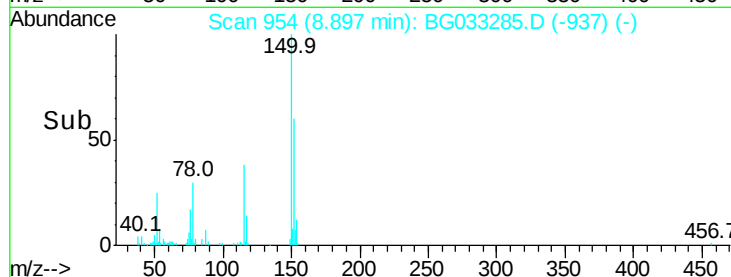
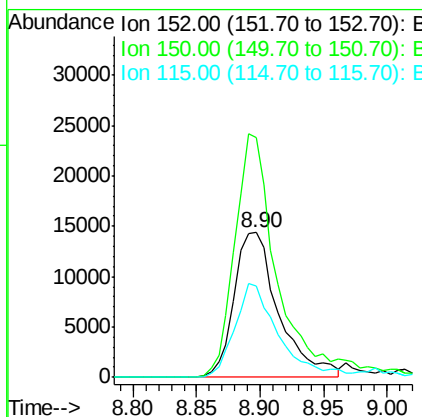
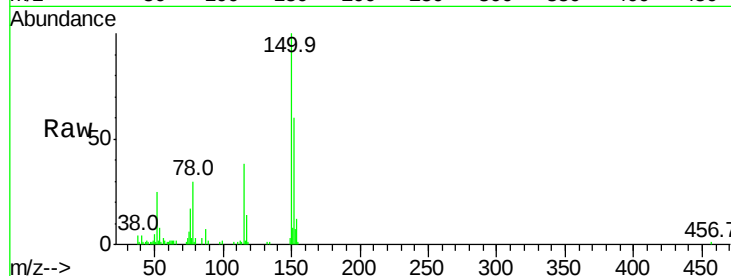


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033285.D
Acq: 21 Mar 2018 3:20

Instrument :
BNA_G
ClientSampleId :

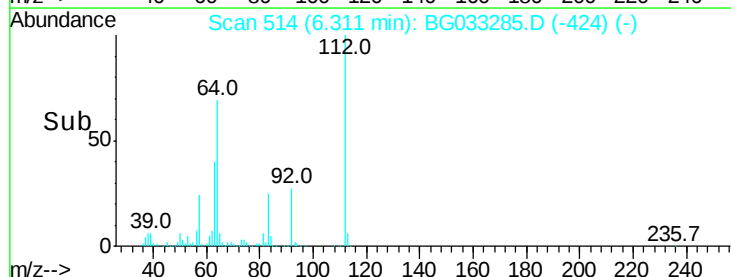
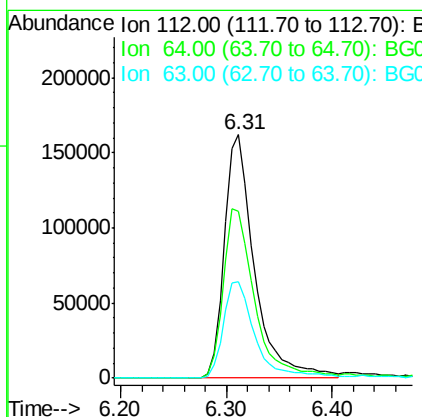
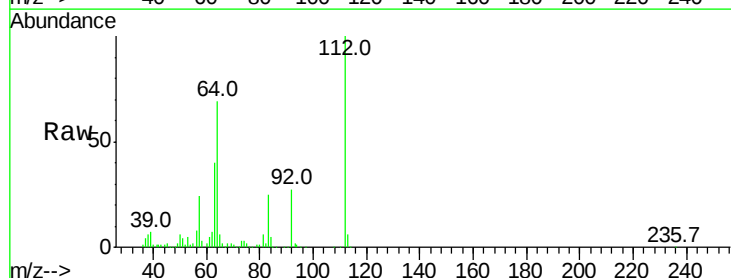
Tot Ion:152 Resp: 35141
Ion Ratio Lower Upper
152 100
150 165.3 126.6 189.8
115 62.9 53.0 79.4

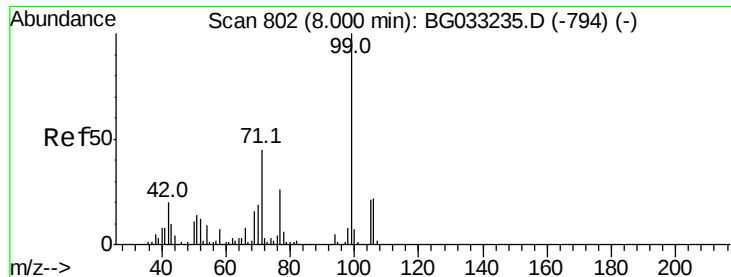


#5

2-Fluorophenol
Concen: 171.335 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.00 min
Lab File: BG033285.D
Acq: 21 Mar 2018 3:20

Tgt Ion:112 Resp: 321093
Ion Ratio Lower Upper
112 100
64 68.8 56.3 84.5
63 39.5 30.1 45.1





#7

Phenol-d6

Concen: 136.504 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033285.D

Acq: 21 Mar 2018 3:20

Instrument :

BNA_G

ClientSampleId :

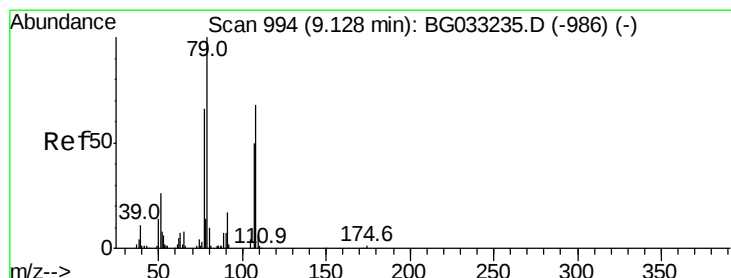
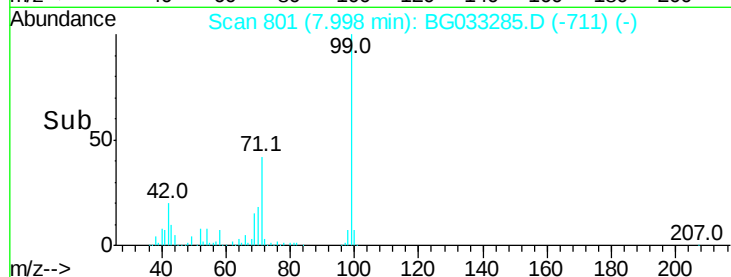
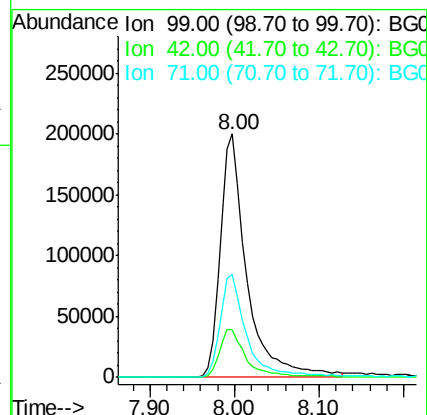
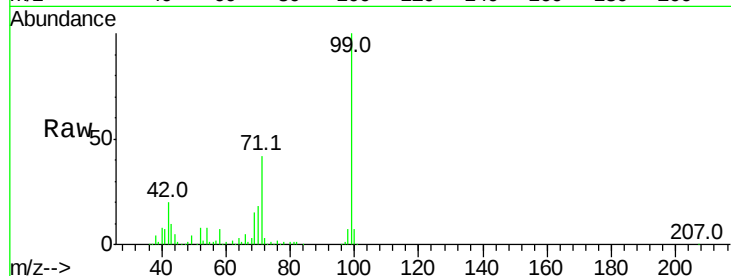
Tot Ion: 99 Resp: 439547

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

71 42.2 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.161 ng

RT: 9.23 min Scan# 1010

Delta R.T. 0.10 min

Lab File: BG033285.D

Acq: 21 Mar 2018 3:20

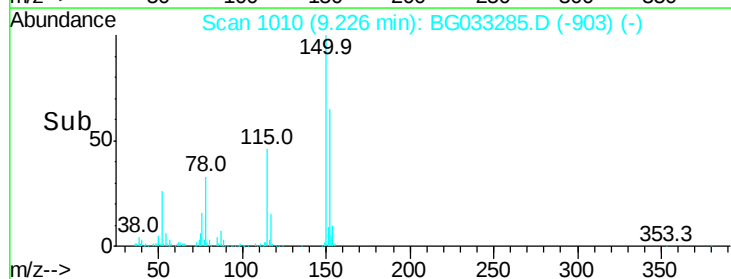
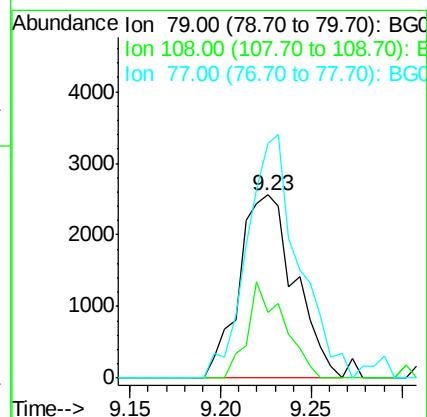
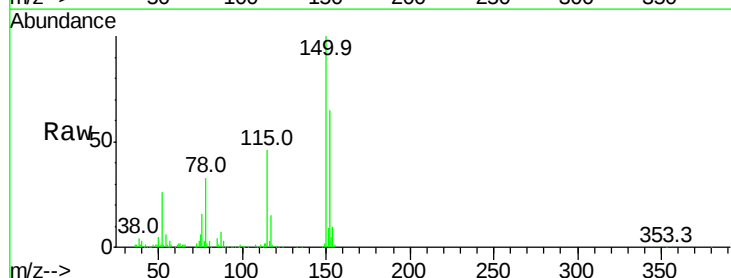
Tgt Ion: 79 Resp: 5478

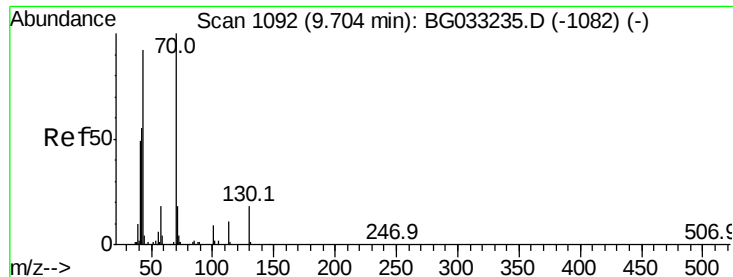
Ion Ratio Lower Upper

79 100

108 36.1 57.2 85.8#

77 127.7 46.1 69.1#

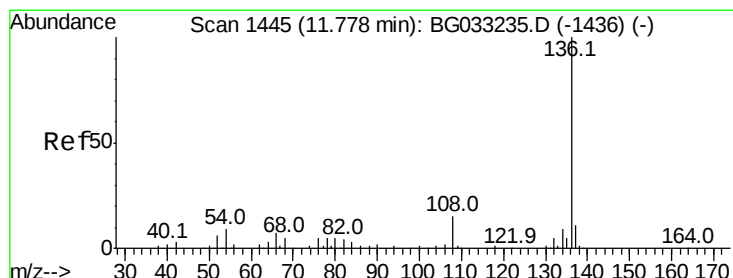
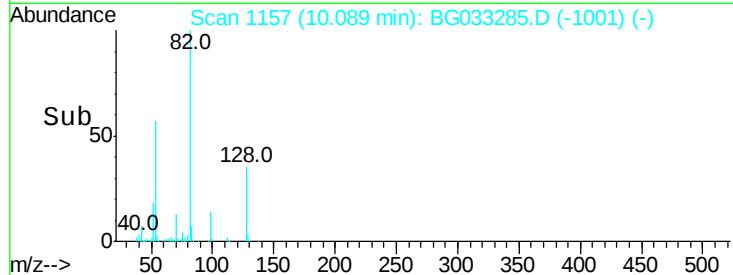
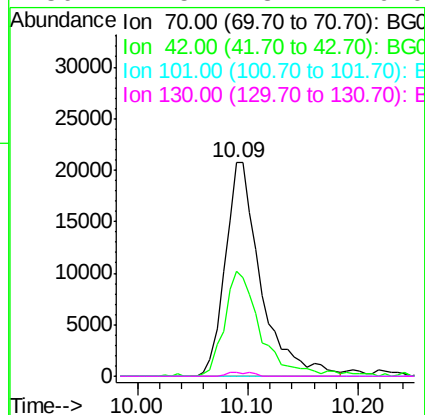
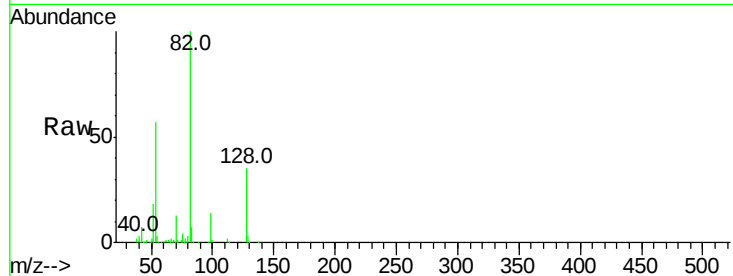




#19
n-Nitroso-di-n-propylamine
Concen: 19.724 ng
RT: 10.09 min Scan# 1157
Delta R.T. 0.39 min
Lab File: BG033285.D
Acq: 21 Mar 2018 3:20

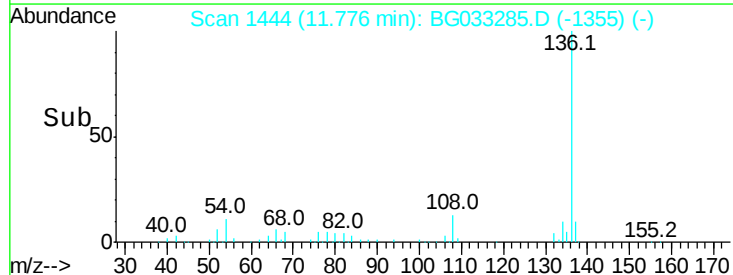
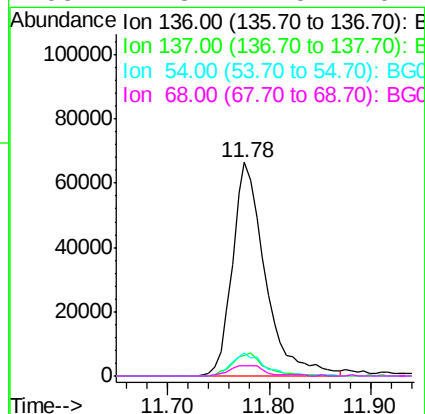
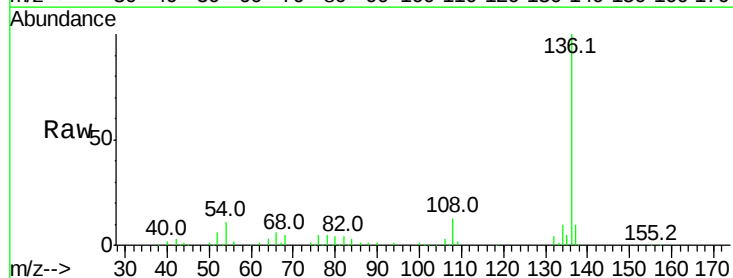
Instrument :
BNA_G
ClientSampleId :

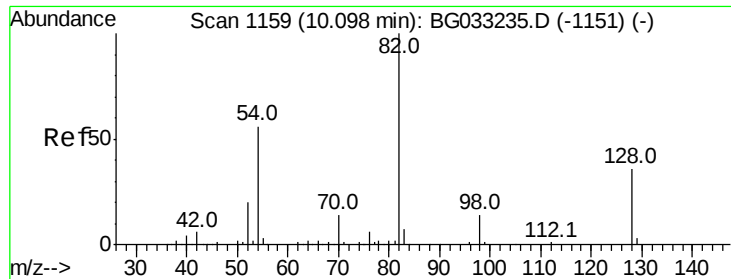
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.3	49.1	73.7
101	0.0	8.5	12.7#
130	1.5	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BG033285.D
Acq: 21 Mar 2018 3:20

Tgt Ion	Ratio	Lower	Upper
136	100		
137	9.7	9.2	13.8
54	10.5	10.3	15.5
68	4.8	4.5	6.7

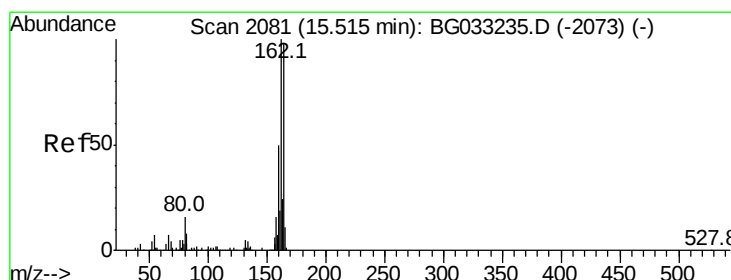
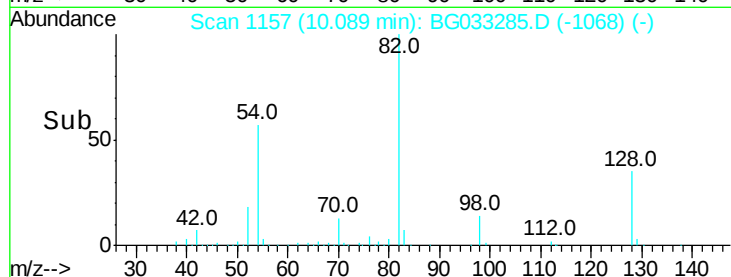
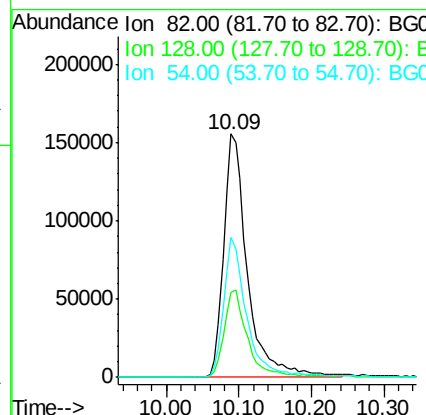
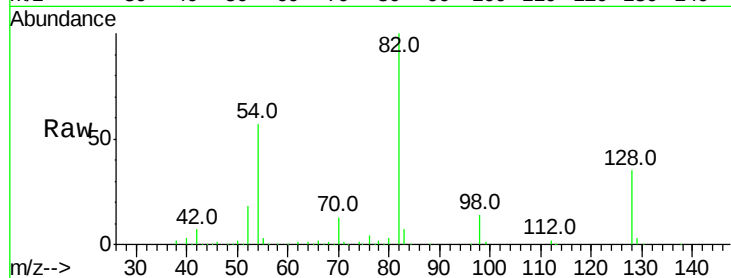




#23
 Nitrobenzene-d5
 Concen: 108.753 ng
 RT: 10.09 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BG033285.D
 Acq: 21 Mar 2018 3:20

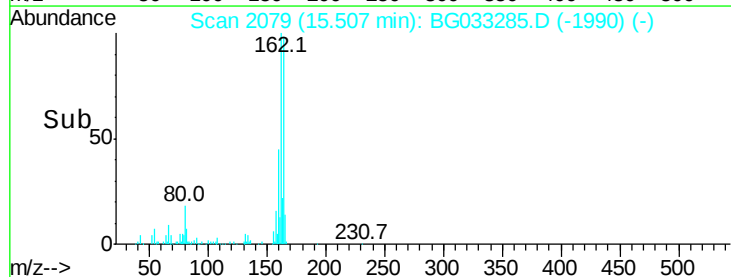
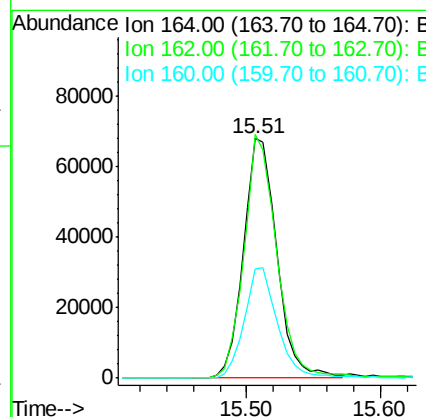
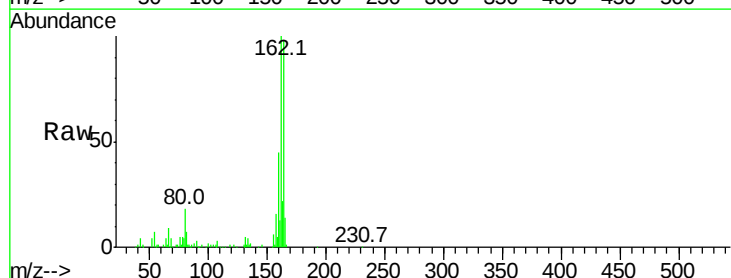
Instrument :
 BNA_G
 ClientSampleId :

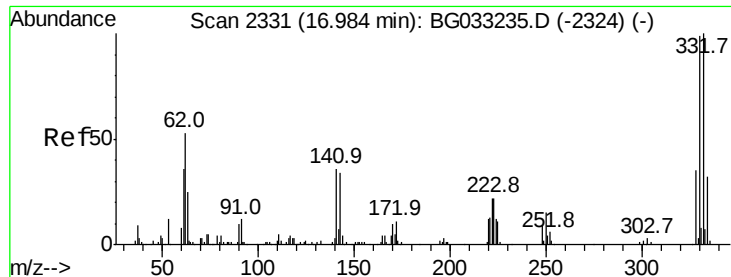
Tot Ion	82	Resp	354229
Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.7	44.5
54	57.4	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: BG033285.D
 Acq: 21 Mar 2018 3:20

Tgt Ion	164	Resp	117041
Ion	Ratio	Lower	Upper
164	100		
162	101.8	78.8	118.2
160	45.5	35.4	53.0

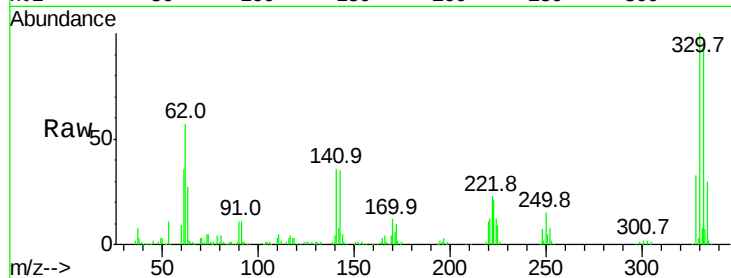




#41
 2,4,6-Tribromophenol
 Concen: 148.202 ng
 RT: 16.98 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: BG033285.D
 Acq: 21 Mar 2018 3:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	36.5	25.2	37.8

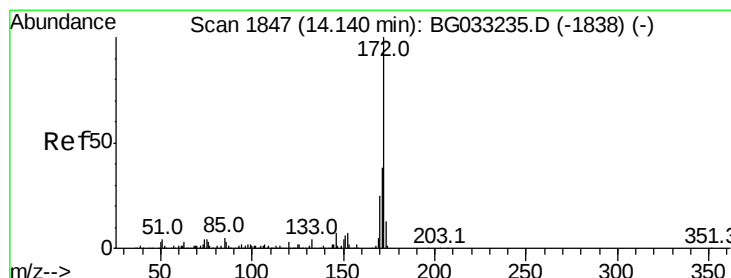
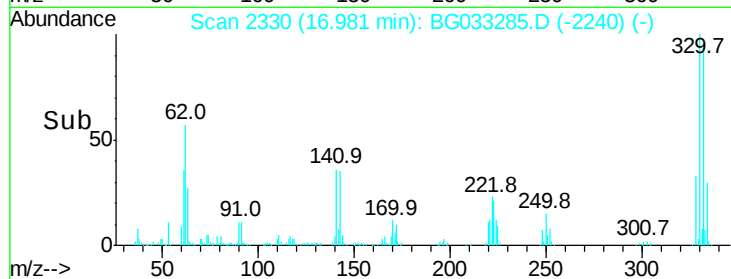
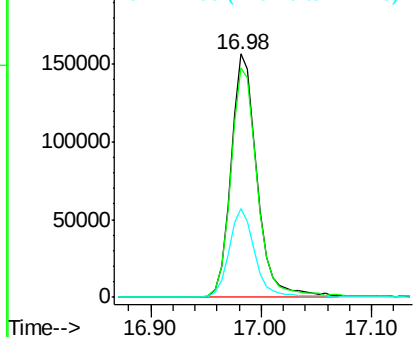


Abundance

Ion 329.80 (329.50 to 330.50): E

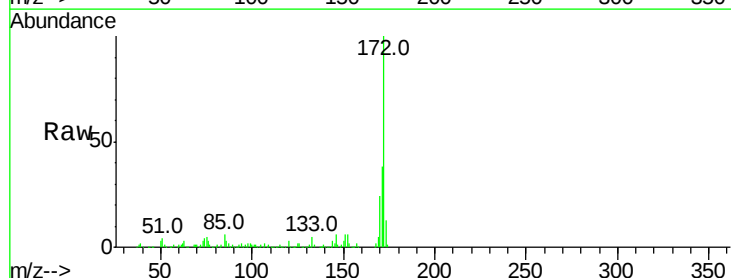
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.511 ng
 RT: 14.14 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: BG033285.D
 Acq: 21 Mar 2018 3:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.0	45.0
170	24.4	19.5	29.3

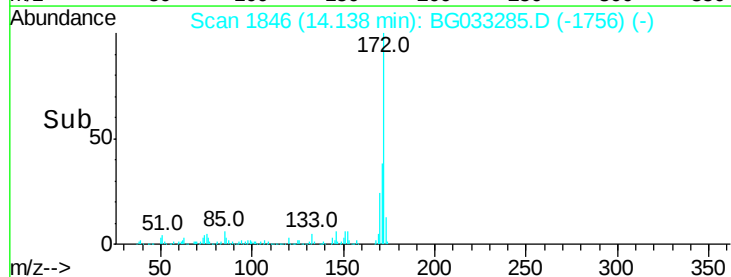
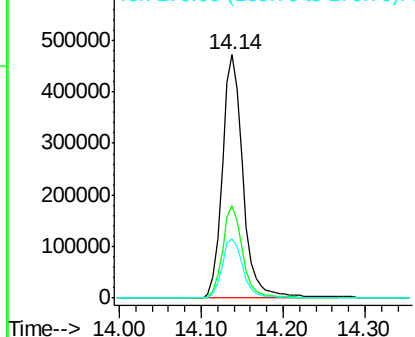


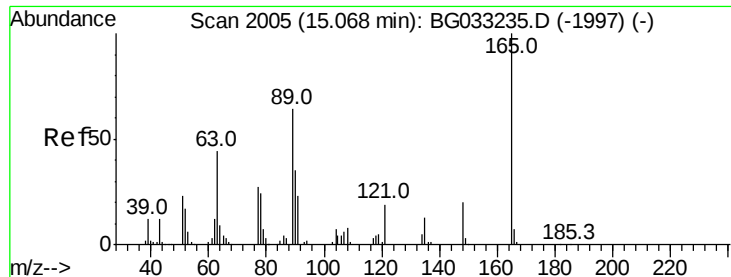
Abundance

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: 7.037 ng

RT: 15.51 min Scan# 2079

Delta R.T. 0.44 min

Lab File: BG033285.D

Acq: 21 Mar 2018 3:20

Instrument :

BNA_G

ClientSampleId :

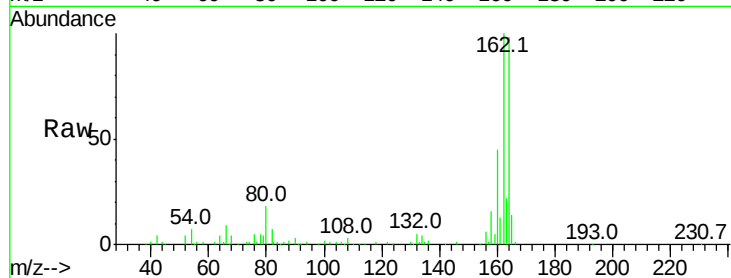
Tot Ion:165 Resp: 14655

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

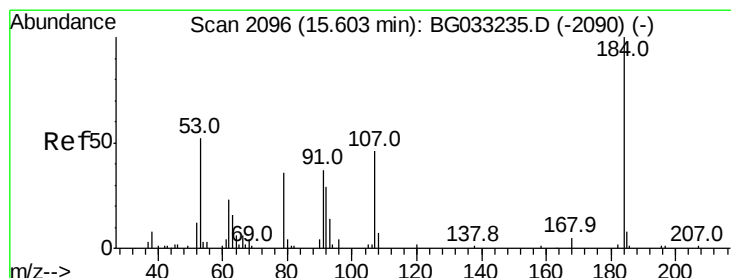
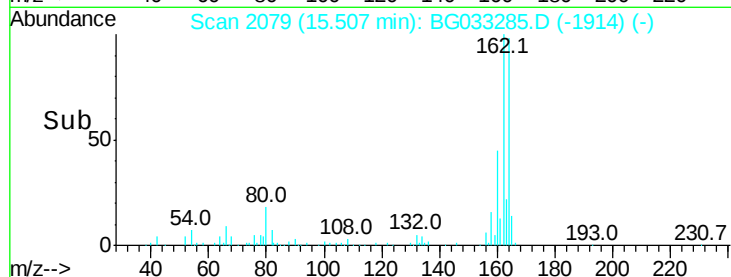
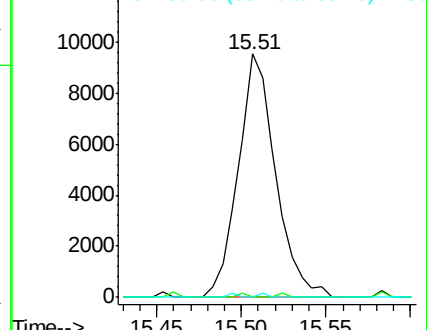
89 0.0 49.2 73.8#



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



#53

2,4-Dinitrophenol

Concen: 7.690 ng

RT: 15.83 min Scan# 2134

Delta R.T. 0.23 min

Lab File: BG033285.D

Acq: 21 Mar 2018 3:20

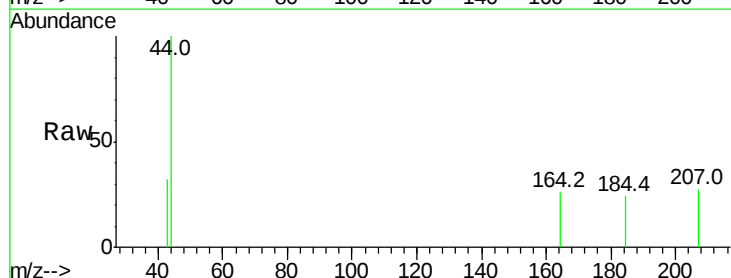
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

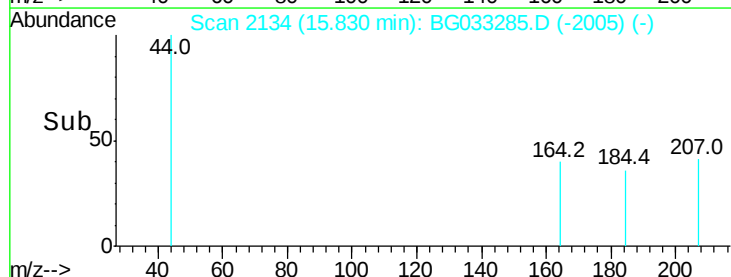
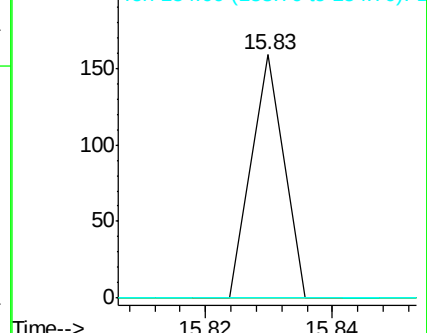
154 0.0 101.8 152.8#

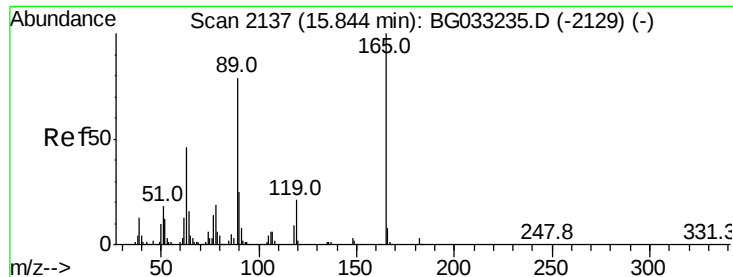


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

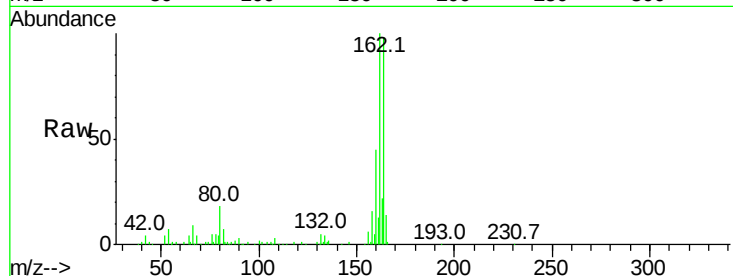




#56
 2,4-Dinitrotoluene
 Concen: 4.779 ng
 RT: 15.51 min Scan# 2079
 Delta R.T. -0.34 min
 Lab File: BG033285.D
 Acq: 21 Mar 2018 3:20

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

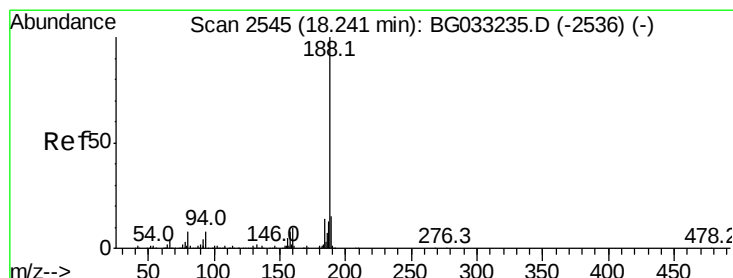
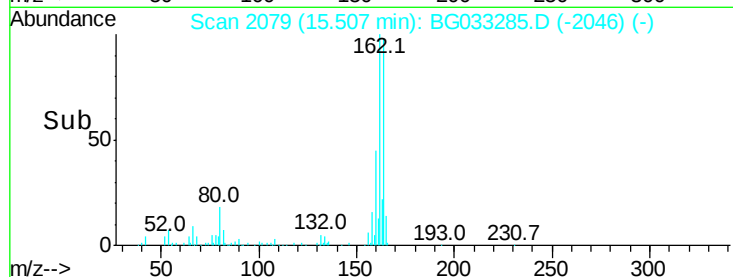
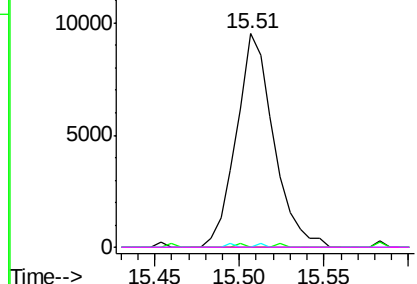


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

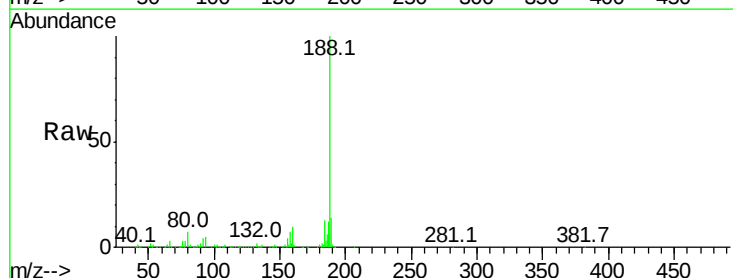
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: BG033285.D
 Acq: 21 Mar 2018 3:20

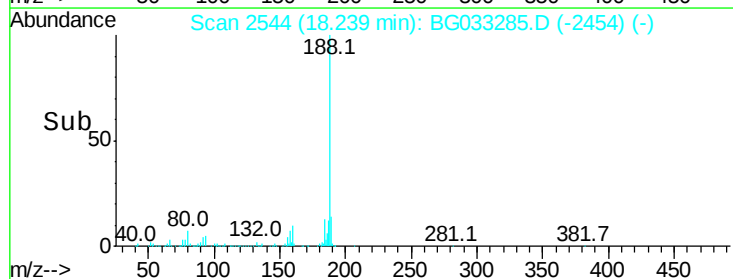
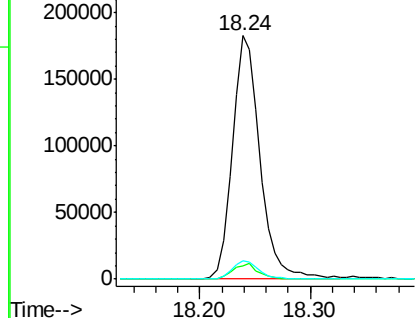
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	6.9	10.3#
80	7.4	7.7	11.5#

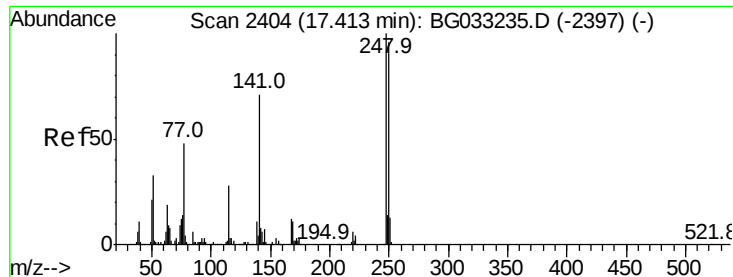


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

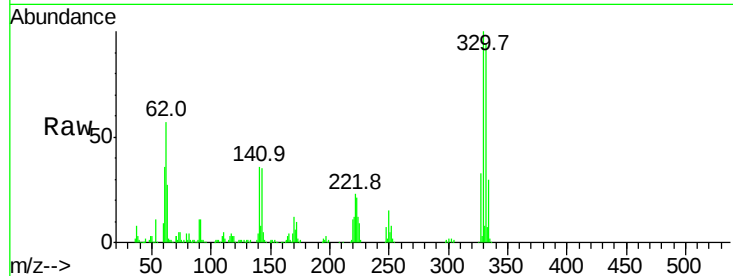




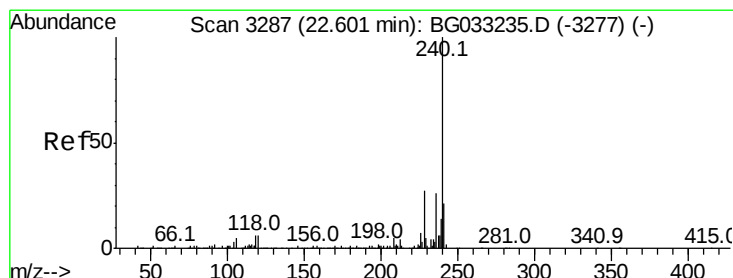
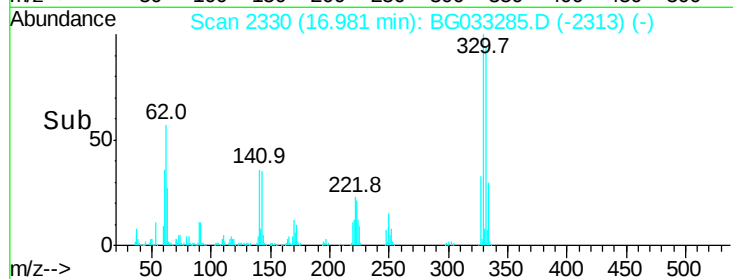
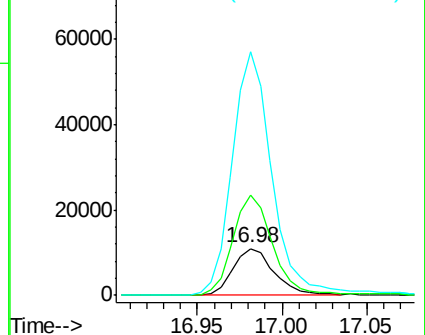
#66
4-Bromophenyl-phenylether
Concen: 4.937 ng
RT: 16.98 min Scan# 2330
Delta R.T. -0.43 min
Lab File: BG033285.D
Acq: 21 Mar 2018 3:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18569
Ion Ratio Lower Upper
248 100
250 214.3 77.1 115.7#
141 519.1 50.8 76.2#

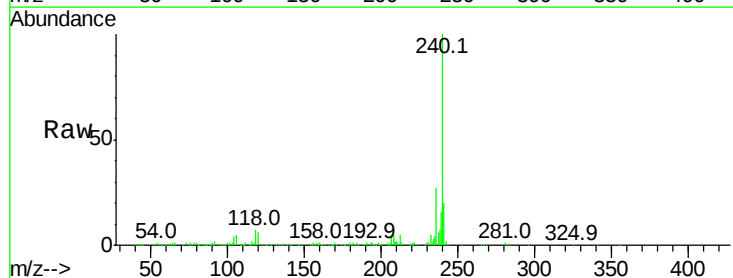


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

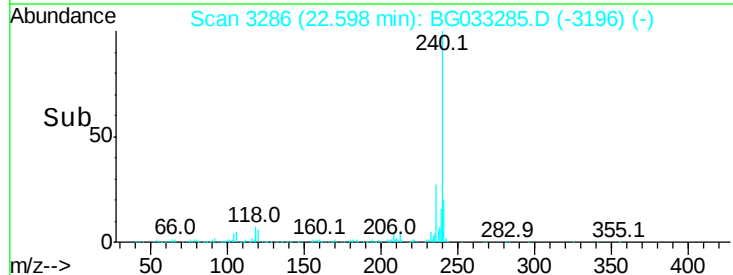
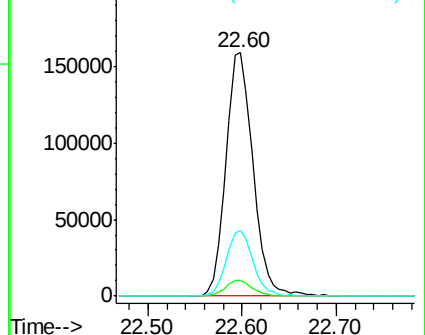


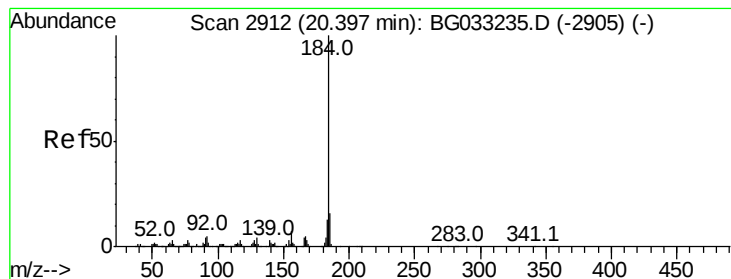
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3286
Delta R.T. -0.00 min
Lab File: BG033285.D
Acq: 21 Mar 2018 3:20

Tgt Ion:240 Resp: 319830
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 26.8 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: 3.329 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033285.D

Acq: 21 Mar 2018 3:20

Instrument :

BNA_G

ClientSampleId :

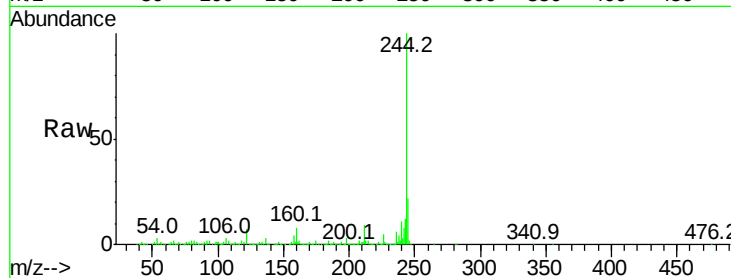
Tot Ion:184 Resp: 28872

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

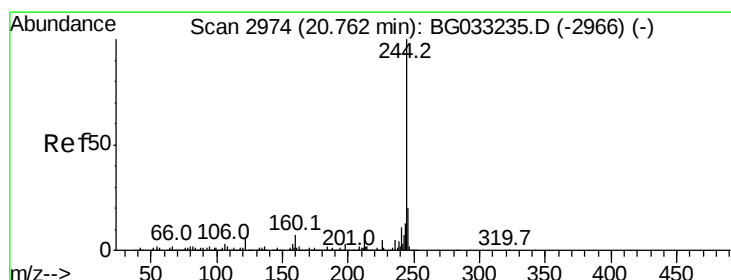
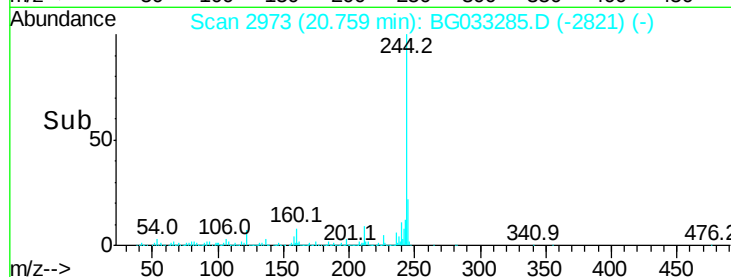
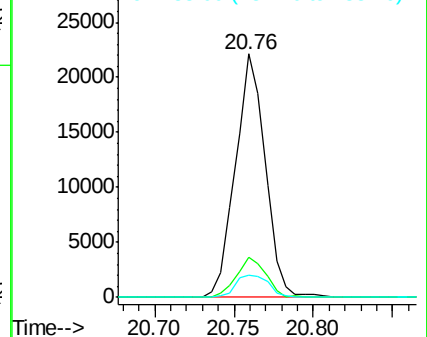
183 9.0 10.6 16.0#



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: 110.862 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG033285.D

Acq: 21 Mar 2018 3:20

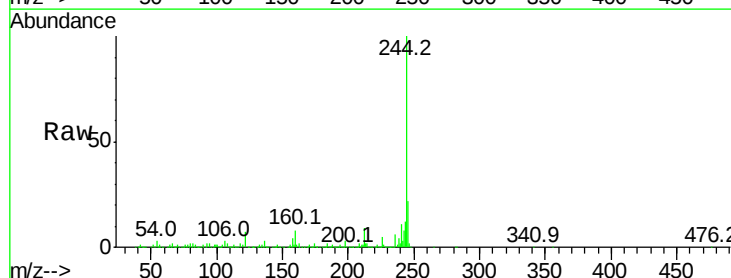
Tgt Ion:244 Resp: 1657953

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

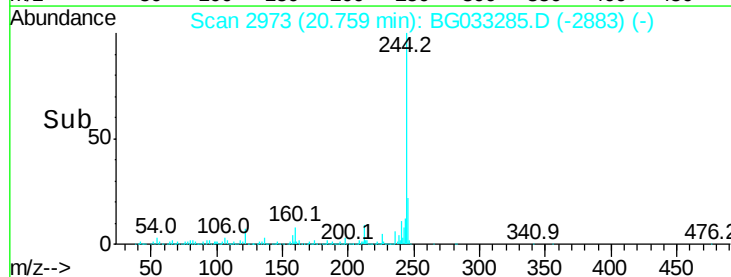
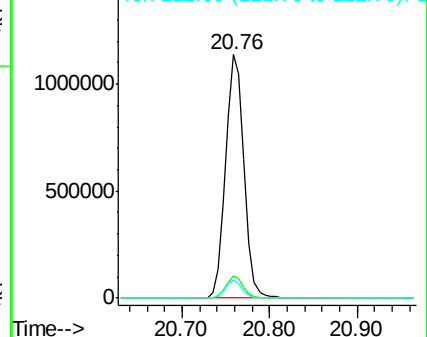
122 7.3 7.0 10.4

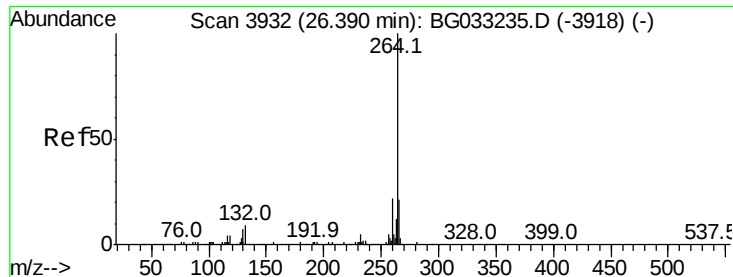


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.39 min Scan# 3932
Delta R.T. -0.00 min
Lab File: BG033285.D
Acq: 21 Mar 2018 3:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	19.3	17.7	26.5

