

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032377.D
 Acq On : 28 Jan 2018 4:59
 Operator : SJ/JU
 Sample : J1322-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 29 01:06:46 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	34099	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	125926	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	82404	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	227219	20.00	ng	0.00
75) Chrysene-d12	22.42	240	313729	20.00	ng	0.00
86) Perylene-d12	26.10	264	248324	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	221570	118.84	ng	0.00
7) Phenol-d6	7.84	99	230005	97.95	ng	0.00
23) Nitrobenzene-d5	9.92	82	190891	102.56	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	222377	163.08	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	651878	98.09	ng	0.00
78) Terphenyl-d14	20.63	244	1419118	99.88	ng	0.00

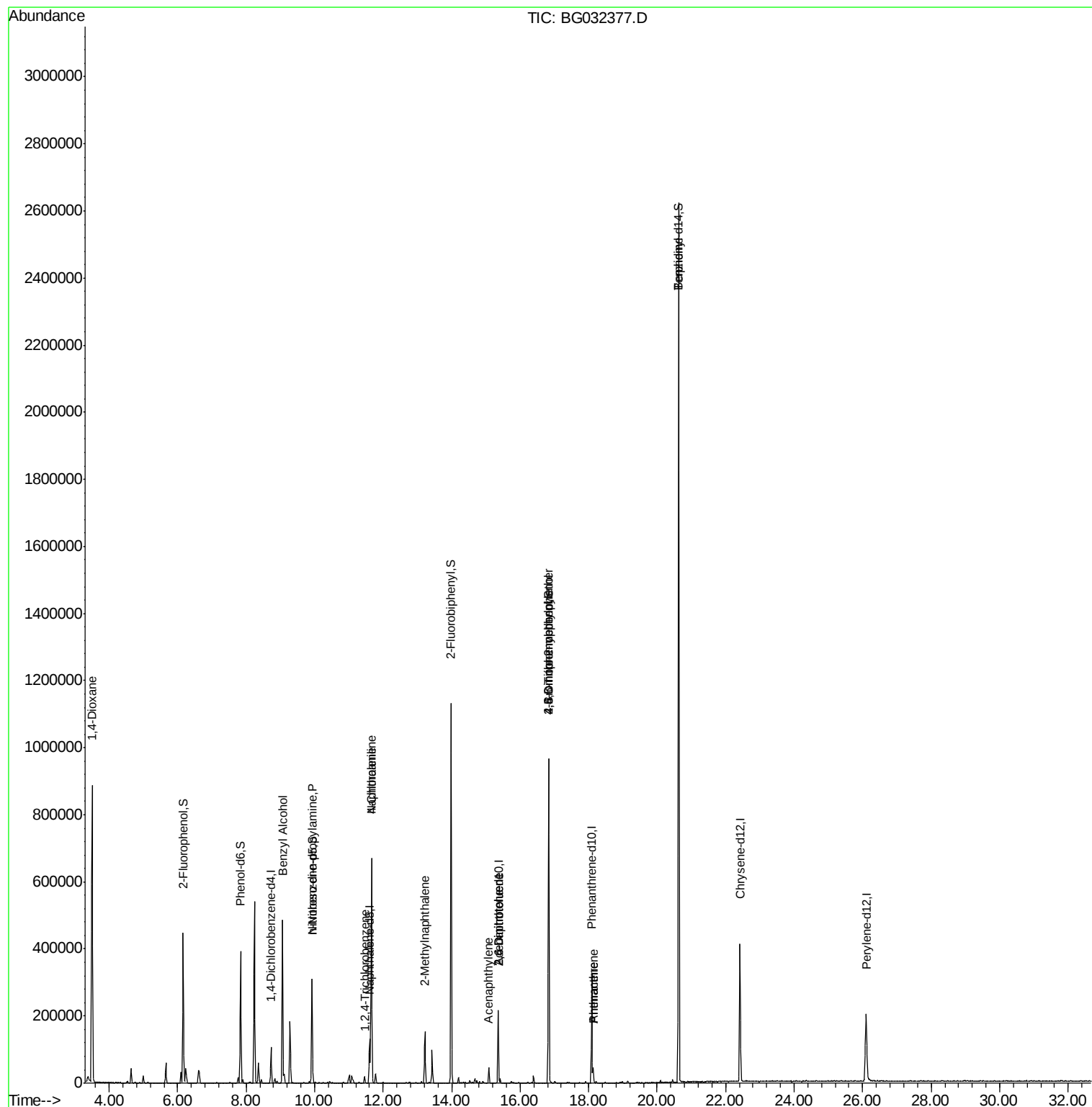
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	10326	14.416	ng	# 1
15) Benzyl Alcohol	9.05	79	3765	2.207	ng	# 53
19) n-Nitroso-di-n-propylamine	9.92	70	28305	19.428	ng	# 74
30) 1,2,4-Trichlorobenzene	11.46	180	9045	3.260	ng	# 96
31) Naphthalene	11.66	128	607653	97.410	ng	# 99
33) 4-Chloroaniline	11.66	127	89770	33.559	ng	# 35
37) 2-Methylnaphthalene	13.22	142	74123	14.967	ng	# 91
48) Acenaphthylene	15.08	152	34513	4.124	ng	# 96
50) 2,6-Dinitrotoluene	15.35	165	11241	7.510	ng	# 18
56) 2,4-Dinitrotoluene	15.35	165	11241	5.578	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	741	5.342	ng	# 60
66) 4-Bromophenyl-phenylether	16.83	248	18451	5.707	ng	# 1
70) Phenanthrene	18.13	178	32572	2.575	ng	# 97
71) Anthracene	18.13	178	32572	2.581	ng	# 96
76) Benzidine	20.62	184	21504	2.741	ng	# 90

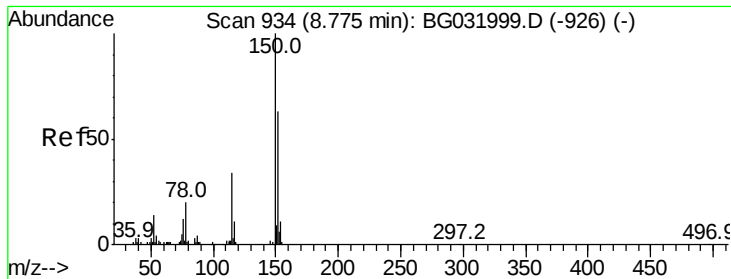
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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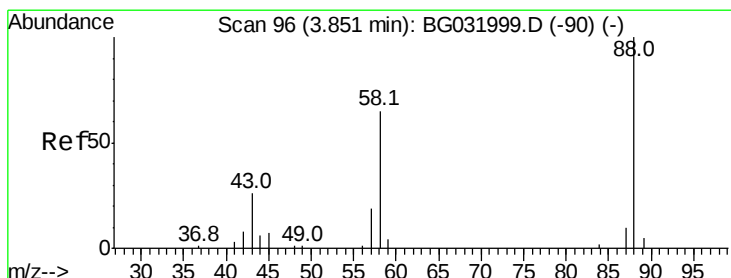
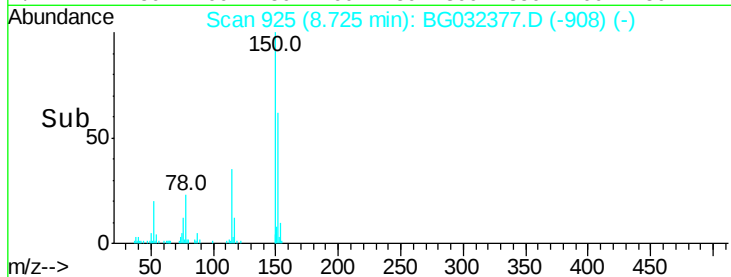
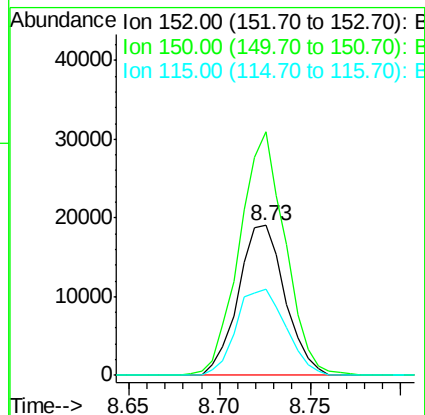
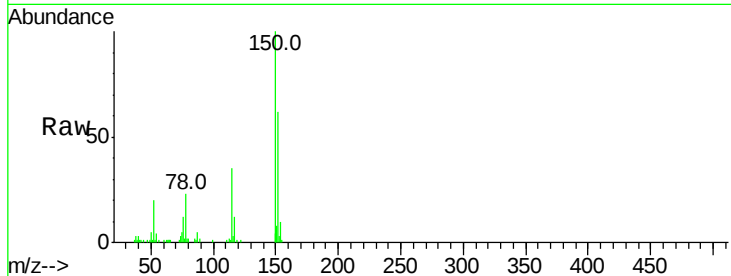


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Instrument :
BNA_G
ClientSampleId :

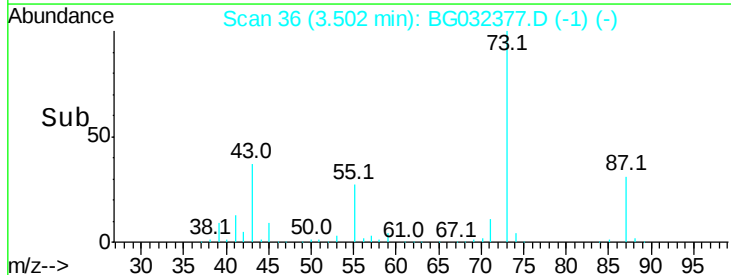
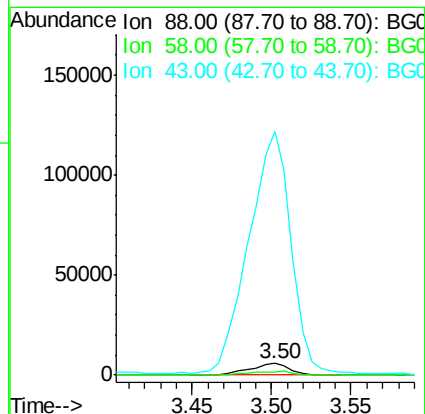
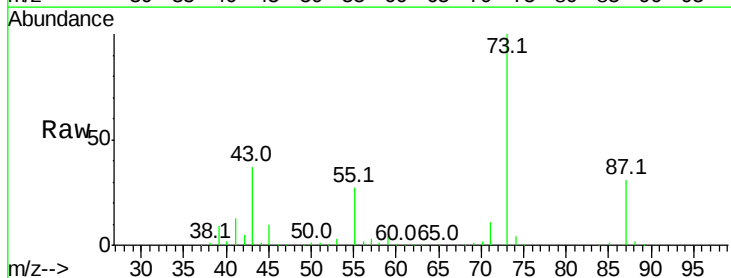
Tot Ion:152 Resp: 34099
Ion Ratio Lower Upper
152 100
150 162.3 126.6 189.8
115 57.3 53.0 79.4

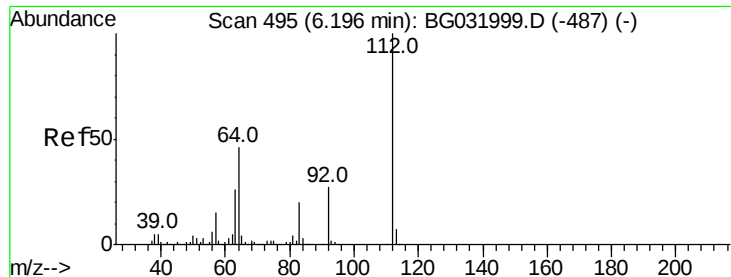


#2

1,4-Dioxane
Concen: 14.416 ng
RT: 3.50 min Scan# 36
Delta R.T. -0.32 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Tgt Ion: 88 Resp: 10326
Ion Ratio Lower Upper
88 100
58 35.3 79.6 119.4#
43 2177.3 27.4 41.0#





#5

2-Fluorophenol

Concen: 118.841 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

Instrument :

BNA_G

ClientSampleId :

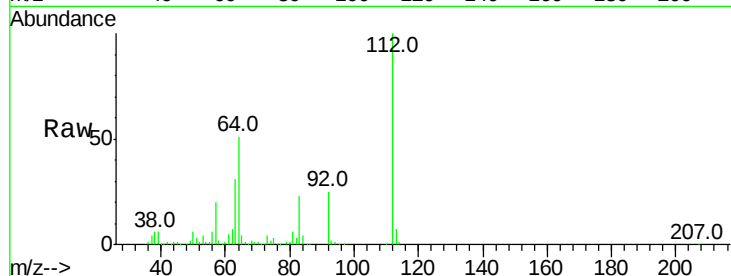
Tot Ion:112 Resp: 221570

Ion Ratio Lower Upper

112 100

64 51.2 56.3 84.5#

63 30.8 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

150000

100000

50000

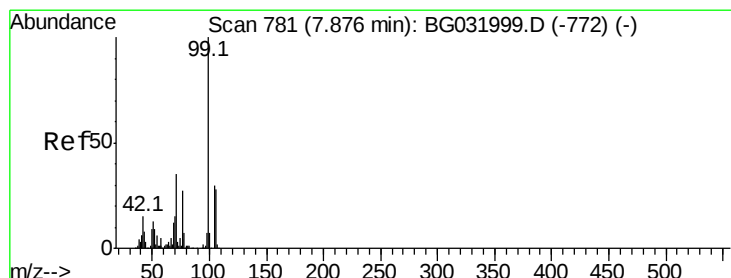
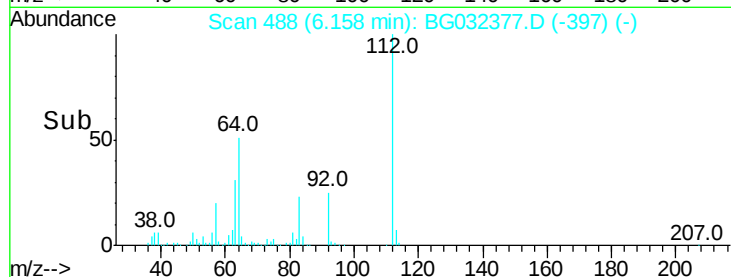
0

6.16

6.10

6.20

Time-->



#7

Phenol-d6

Concen: 97.953 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

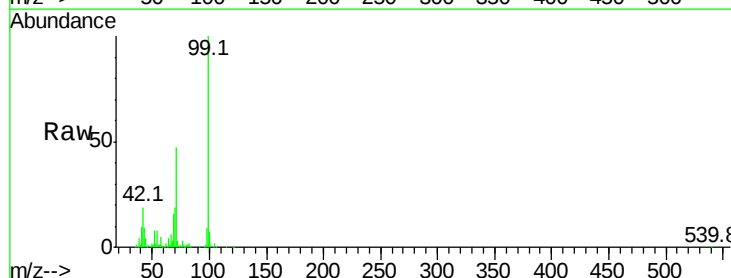
Tgt Ion: 99 Resp: 230005

Ion Ratio Lower Upper

99 100

42 19.4 14.1 21.1

71 46.5 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

150000

100000

50000

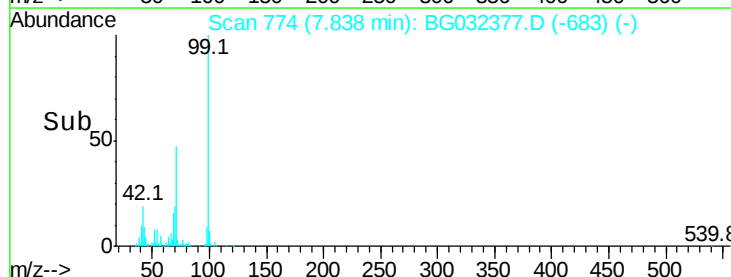
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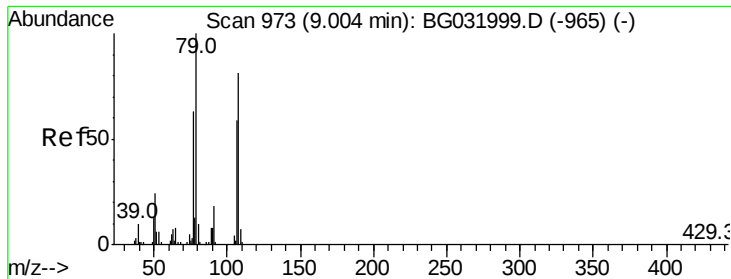
7.84

7.80

7.90

Time-->





#15

Benzyl Alcohol

Concen: 2.207 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

Instrument :

BNA_G

ClientSampleId :

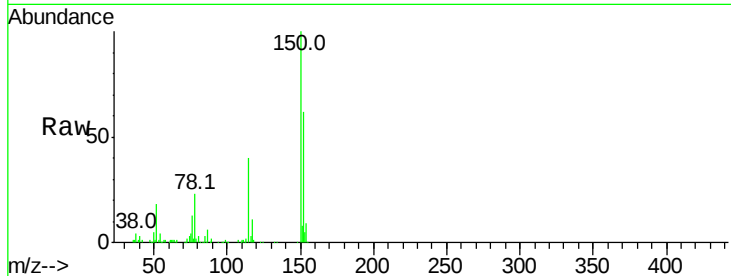
Tot Ion: 79 Resp: 3765

Ion Ratio Lower Upper

79 100

108 42.2 57.2 85.8#

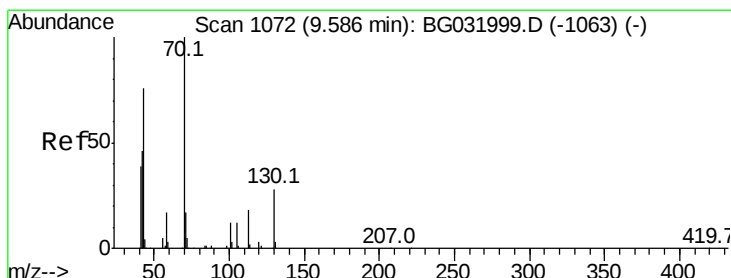
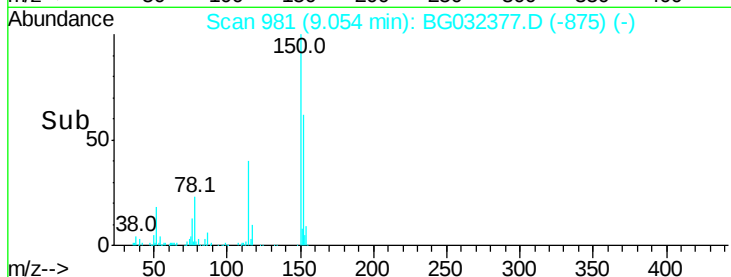
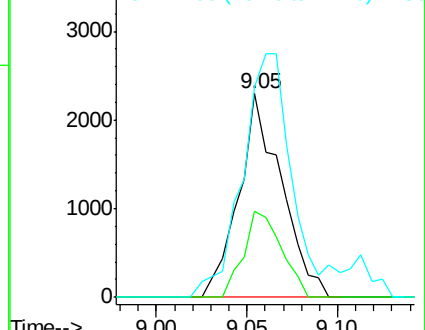
77 103.3 46.1 69.1#



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: 19.428 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

Tgt Ion: 70 Resp: 28305

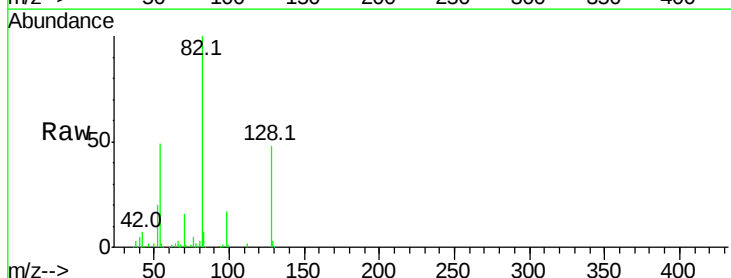
Ion Ratio Lower Upper

70 100

42 43.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

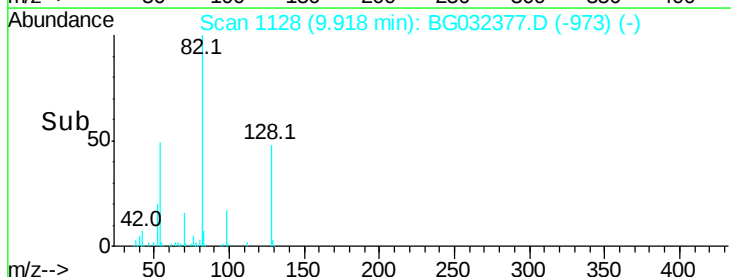
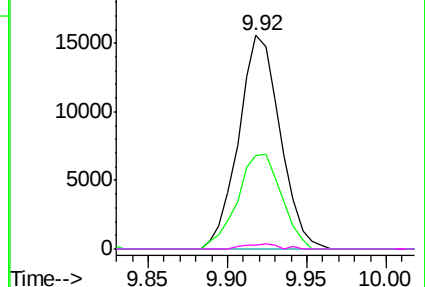


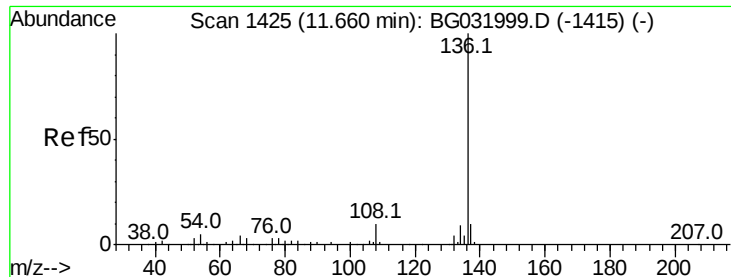
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

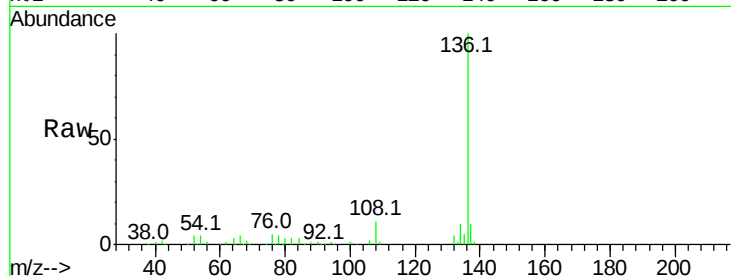




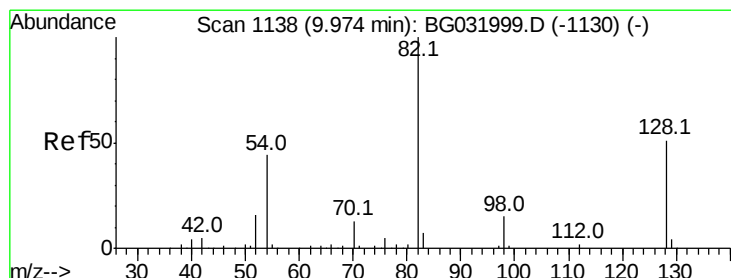
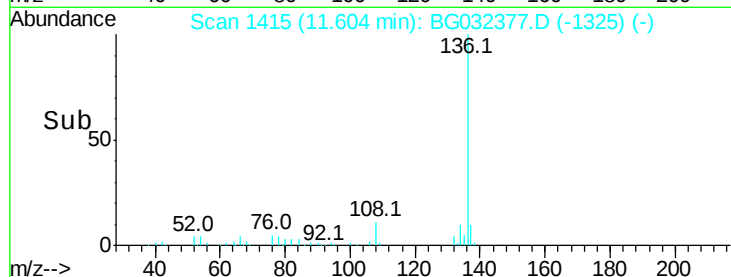
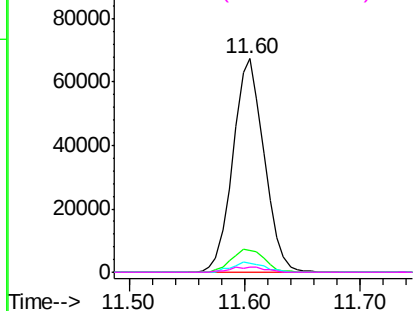
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	125926
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	4.4	10.3	15.5#
68	2.4	4.5	6.7#

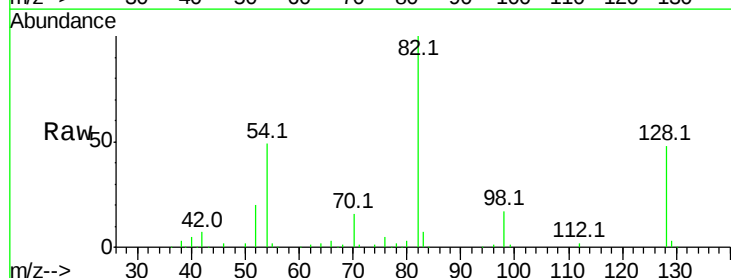


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

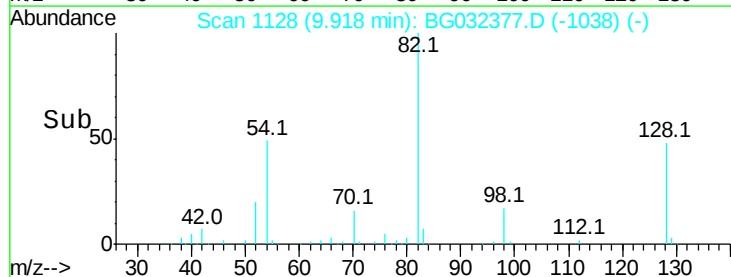
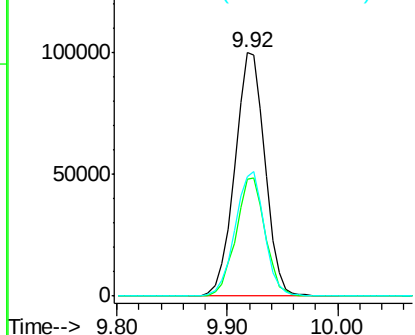


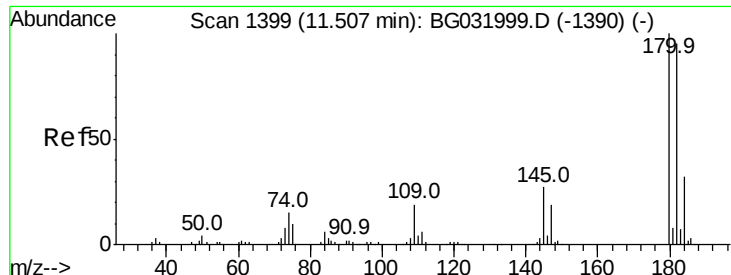
#23
Nitrobenzene-d5
Concen: 102.557 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Tgt Ion:	82	Resp:	190891
Ion	Ratio	Lower	Upper
82	100		
128	48.0	29.7	44.5#
54	48.9	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

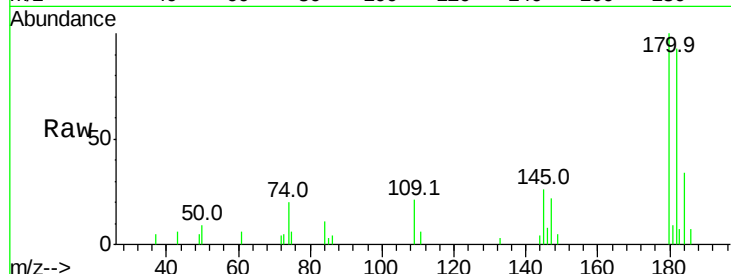




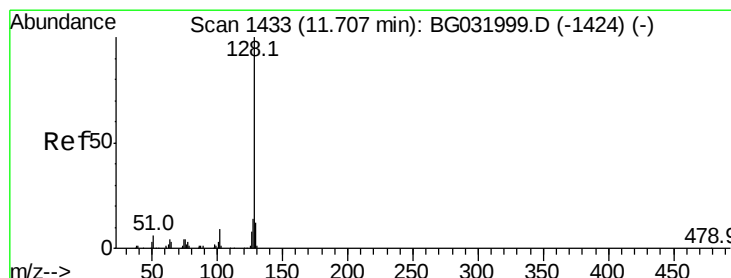
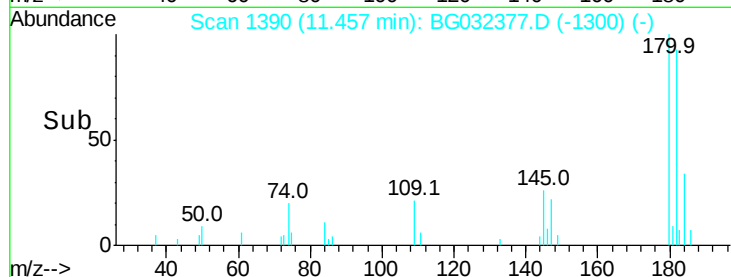
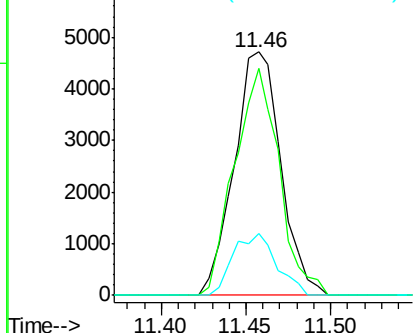
#30
 1,2,4-Trichlorobenzene
 Concen: 3.260 ng
 RT: 11.46 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: BG032377.D
 Acq: 28 Jan 2018 4:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:180 Resp: 9045
 Ion Ratio Lower Upper
 180 100
 182 93.3 77.5 116.3
 145 25.6 23.4 35.2

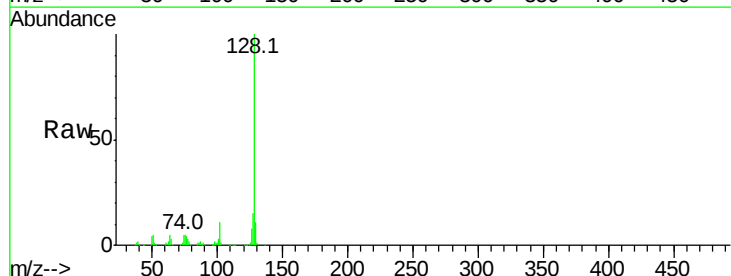


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

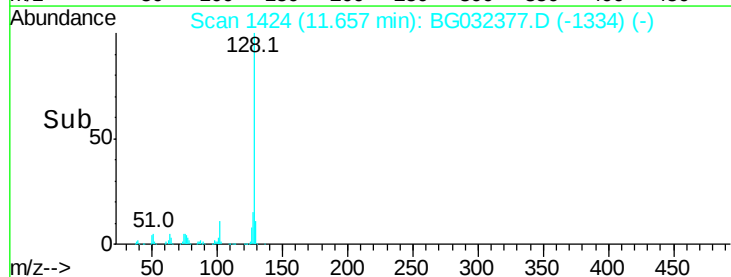
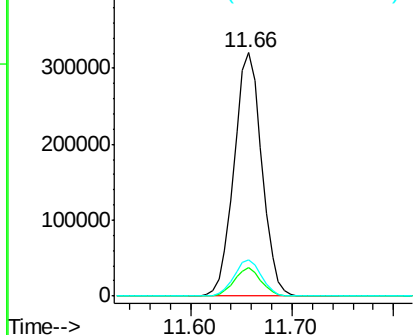


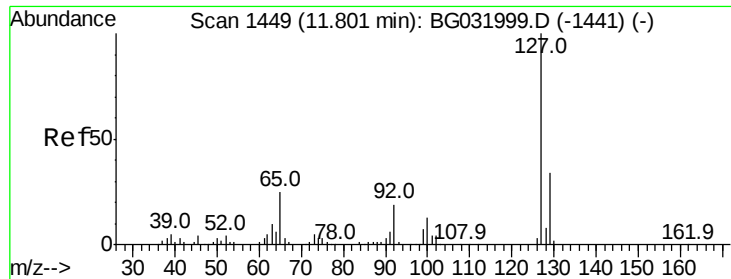
#31
 Naphthalene
 Concen: 97.410 ng
 RT: 11.66 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BG032377.D
 Acq: 28 Jan 2018 4:59

Tgt Ion:128 Resp: 607653
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.6 12.8
 127 14.8 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

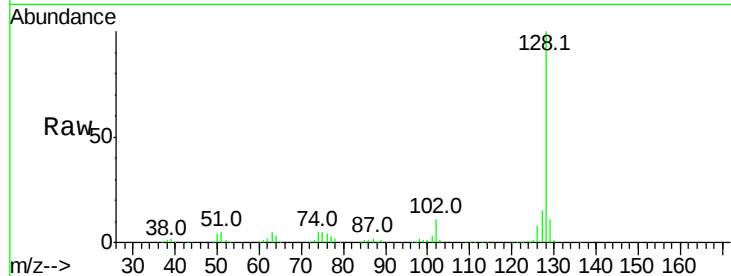




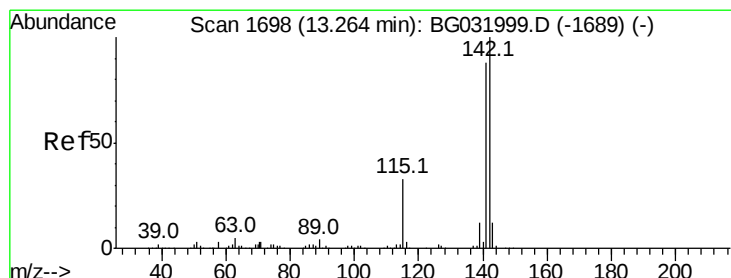
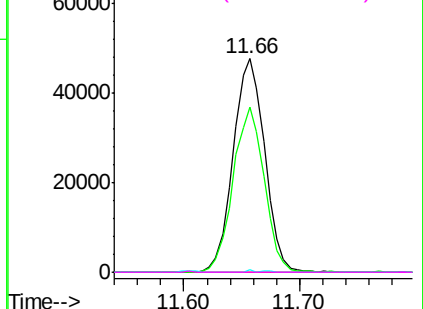
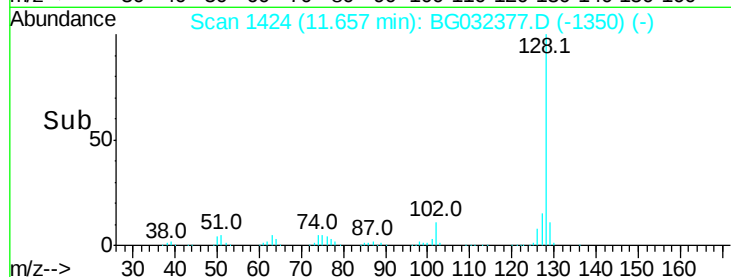
#33
4-Chloroaniline
Concen: 33.559 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	77.4	24.0	36.0#
65	1.5	27.0	40.4#
92	0.0	16.6	25.0#

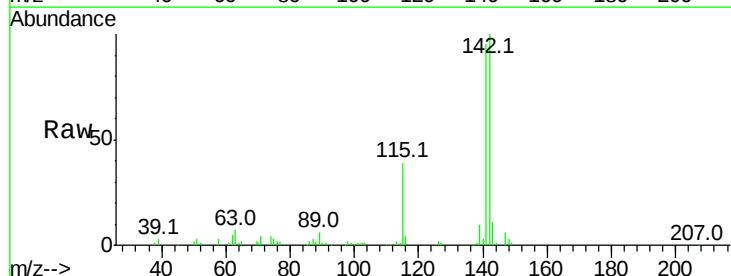


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

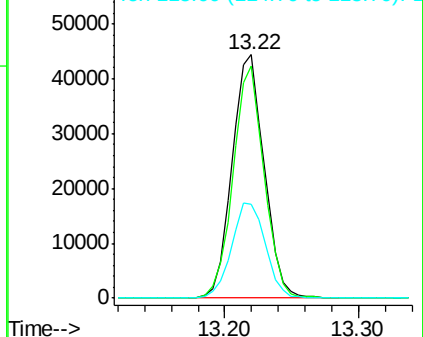
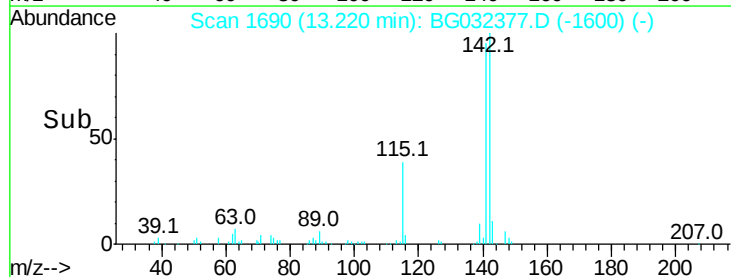


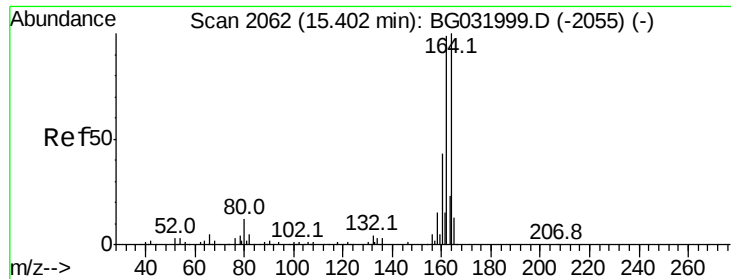
#37
2-Methylnaphthalene
Concen: 14.967 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.00 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.4	67.1	100.7
115	38.5	30.7	46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

Instrument :

BNA_G

ClientSampleId :

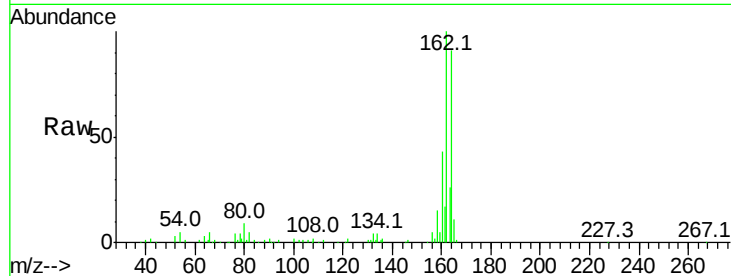
Tot Ion:164 Resp: 82404

Ion Ratio Lower Upper

164 100

162 109.9 78.8 118.2

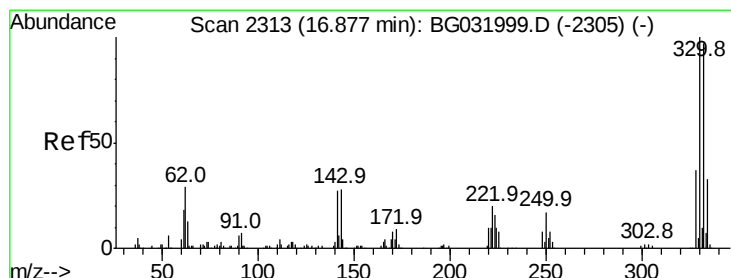
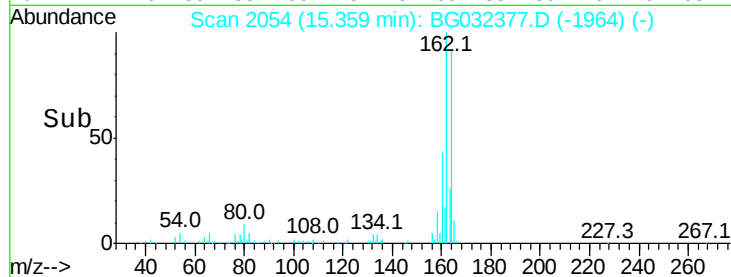
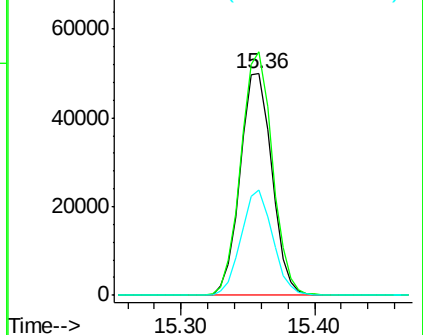
160 47.4 35.4 53.0



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: 163.082 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

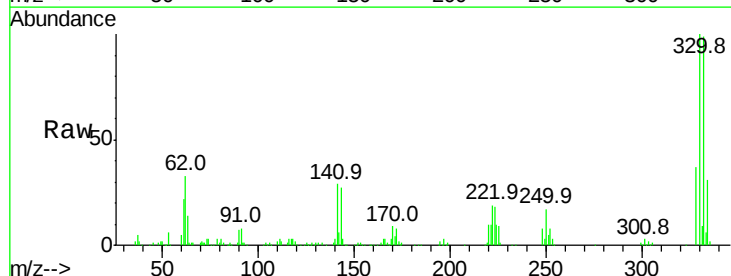
Tgt Ion:330 Resp: 222377

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

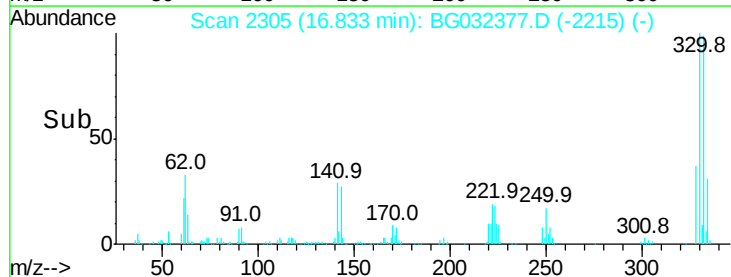
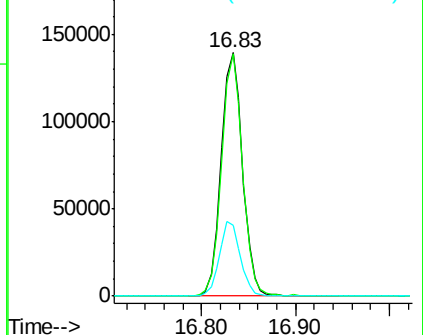
141 30.0 25.2 37.8

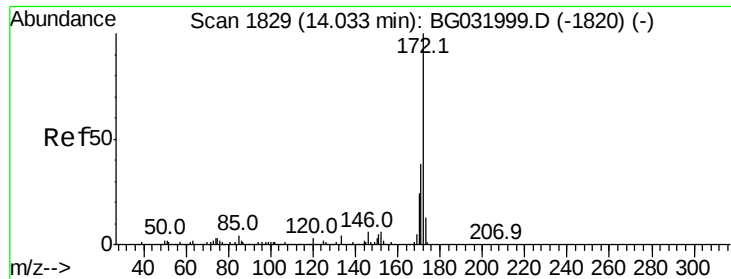


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

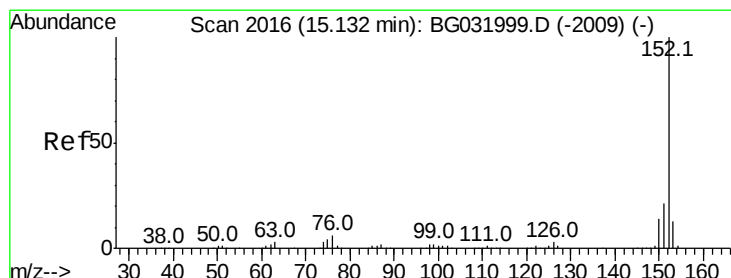
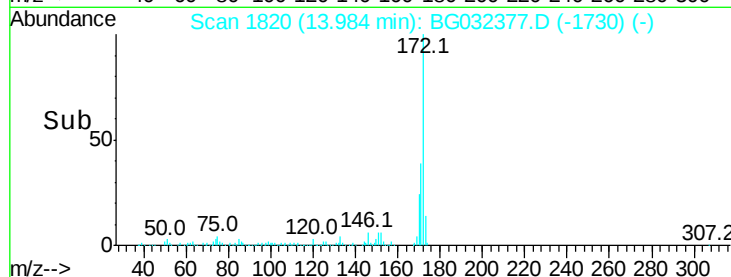
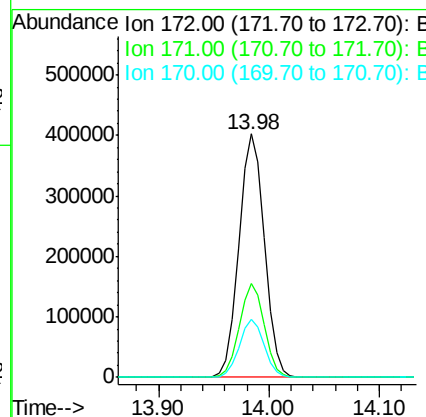
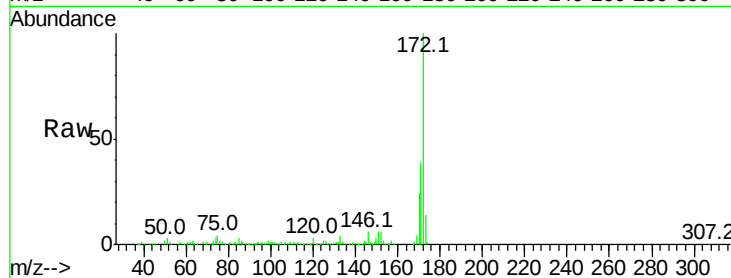




#44
2-Fluorobiphenyl
Concen: 98.090 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

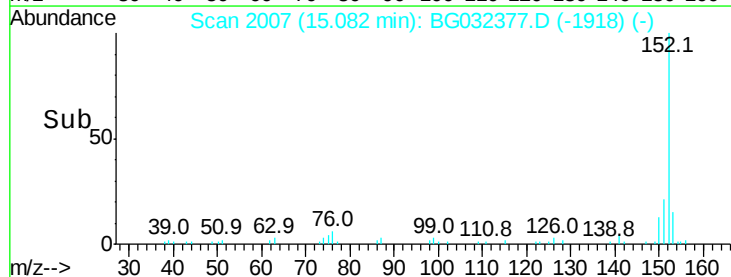
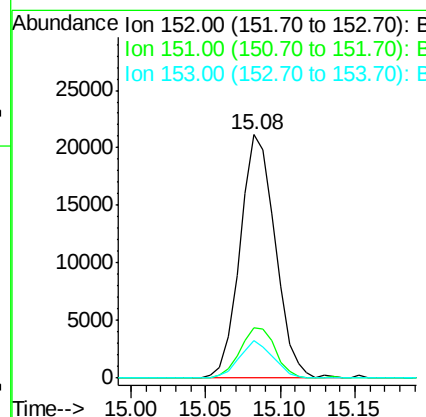
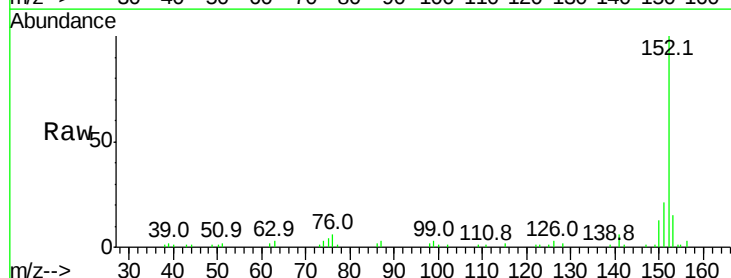
Instrument :
BNA_G
ClientSampleId :

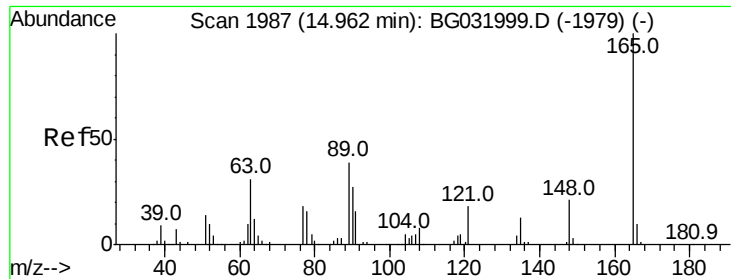
Tot Ion:172 Resp: 651878
Ion Ratio Lower Upper
172 100
171 38.8 30.0 45.0
170 23.7 19.5 29.3



#48
Acenaphthylene
Concen: 4.124 ng
RT: 15.08 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Tgt Ion:152 Resp: 34513
Ion Ratio Lower Upper
152 100
151 20.6 17.2 25.8
153 15.4 10.2 15.4#

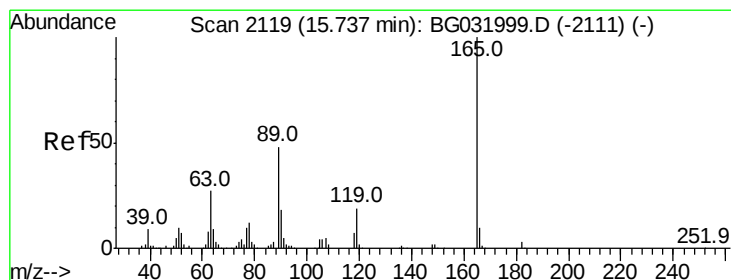
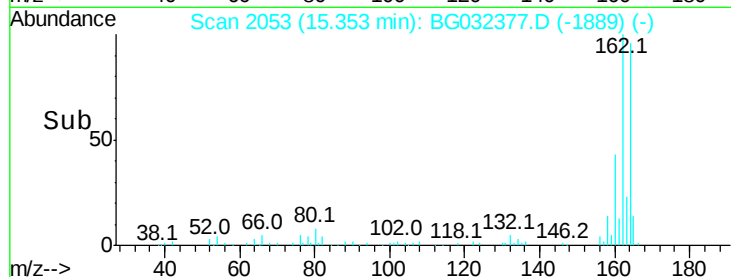
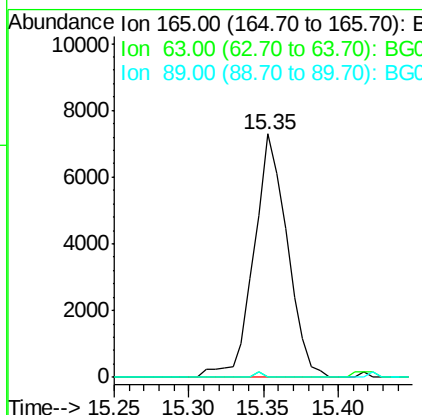
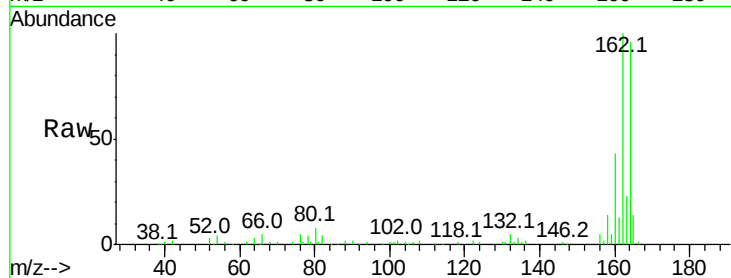




#50
 2,6-Dinitrotoluene
 Concen: 7.510 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. 0.43 min
 Lab File: BG032377.D
 Acq: 28 Jan 2018 4:59

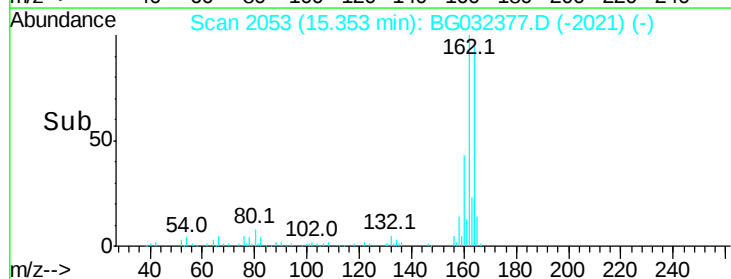
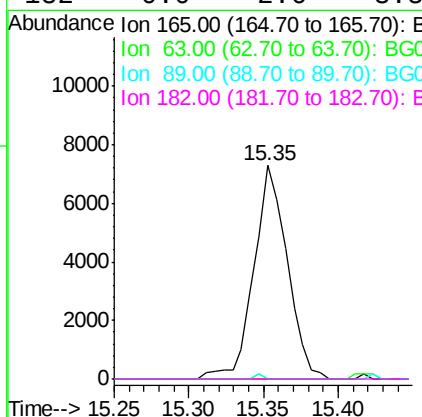
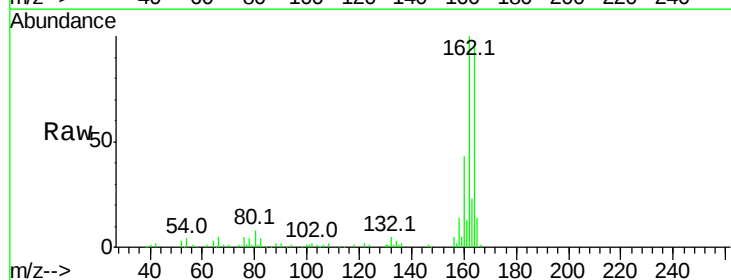
Instrument :
 BNA_G
 ClientSampleId :

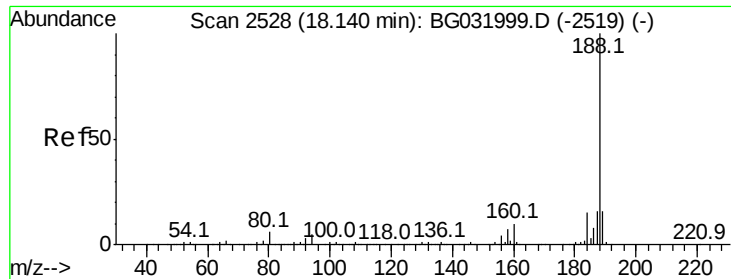
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.578 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.34 min
 Lab File: BG032377.D
 Acq: 28 Jan 2018 4:59

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#

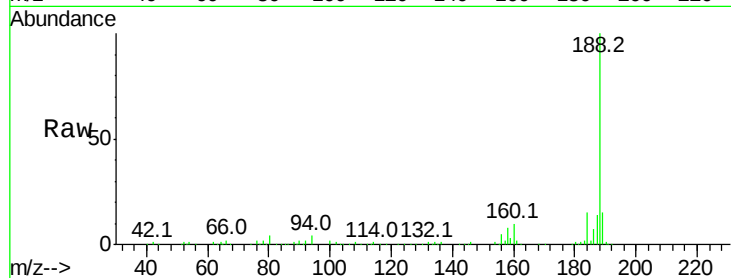




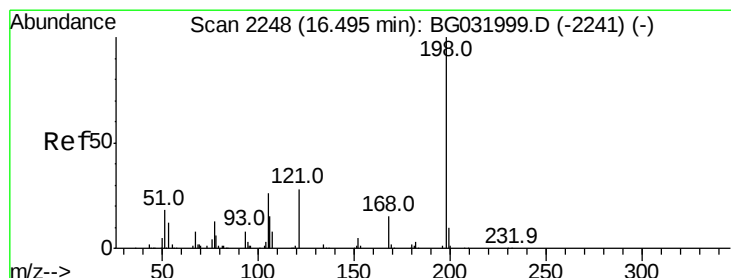
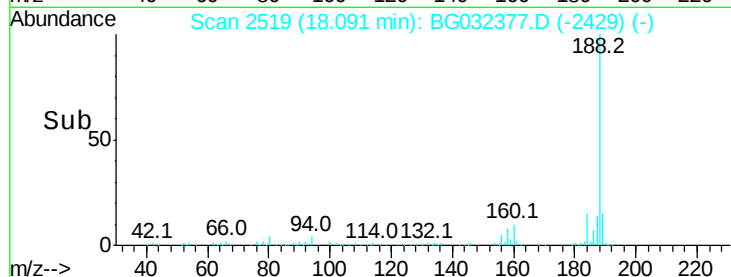
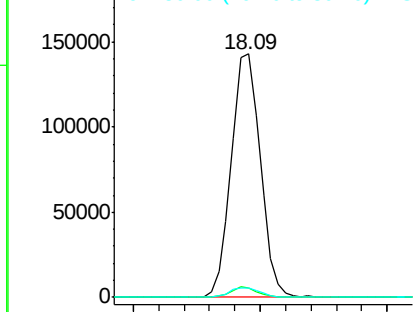
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG032377.D
 Acq: 28 Jan 2018 4:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 227219
 Ion Ratio Lower Upper
 188 100
 94 3.8 6.9 10.3#
 80 3.9 7.7 11.5#

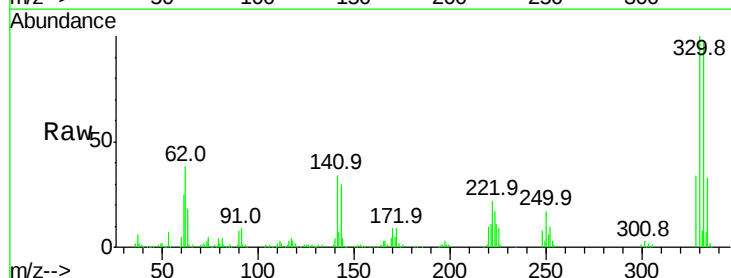


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

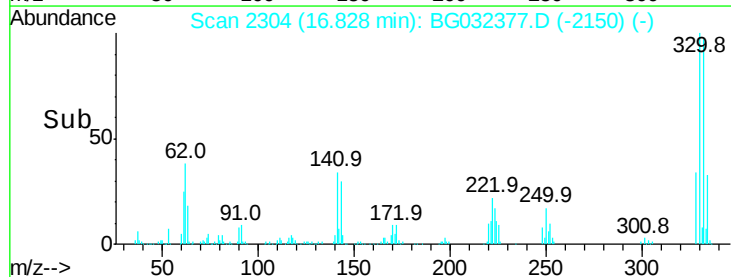
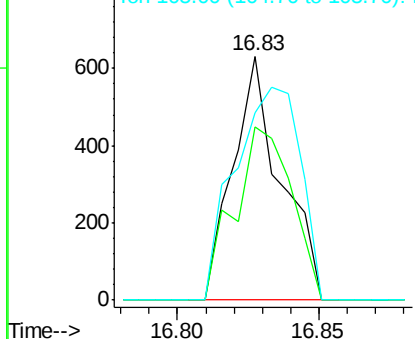


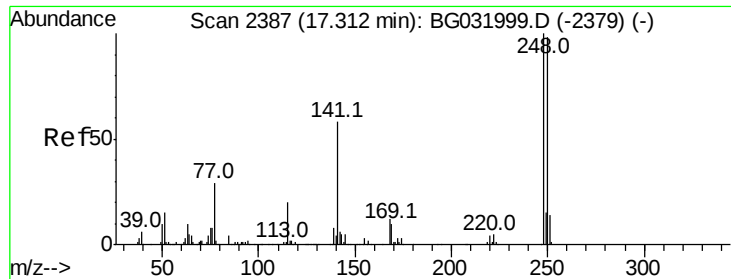
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.342 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. 0.37 min
 Lab File: BG032377.D
 Acq: 28 Jan 2018 4:59

Tgt Ion:198 Resp: 741
 Ion Ratio Lower Upper
 198 100
 51 71.3 30.6 70.6#
 105 76.7 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

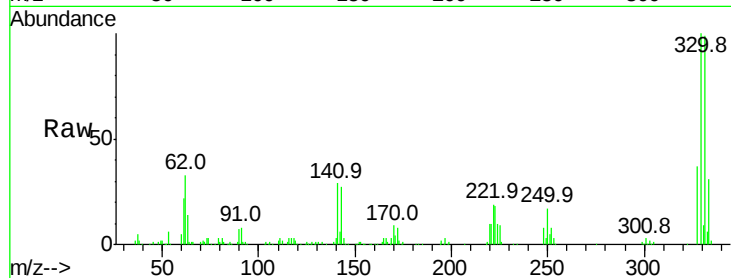




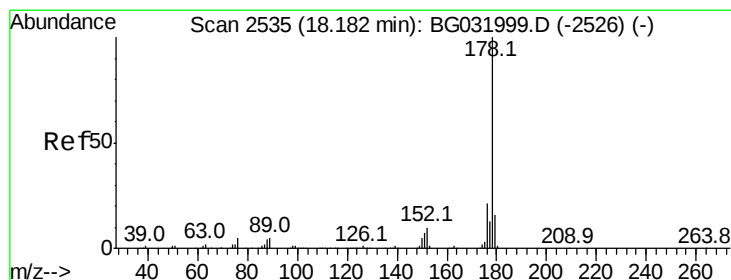
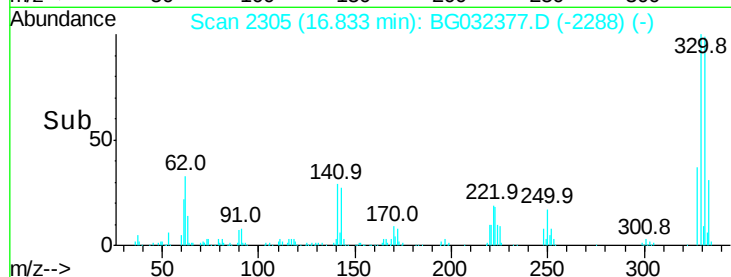
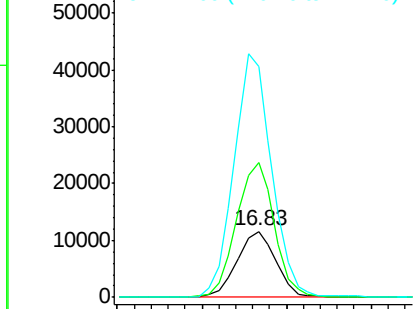
#66
4-Bromophenyl-phenylether
Concen: 5.707 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 18451
Ion Ratio Lower Upper
248 100
250 204.7 77.1 115.7#
141 350.5 50.8 76.2#

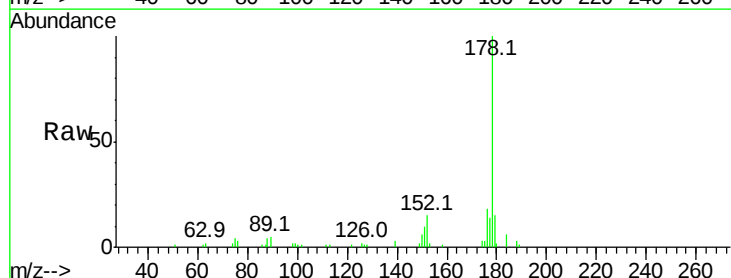


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

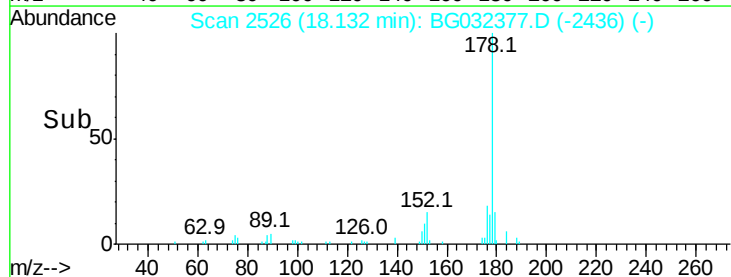
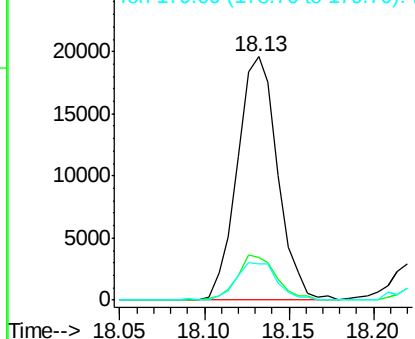


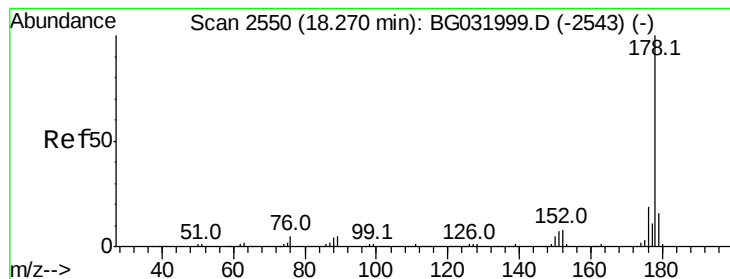
#70
Phenanthrene
Concen: 2.575 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.00 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Tgt Ion:178 Resp: 32572
Ion Ratio Lower Upper
178 100
176 17.7 15.7 23.5
179 14.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.581 ng

RT: 18.13 min Scan# 2526

Delta R.T. -0.10 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

Instrument :

BNA_G

ClientSampled :

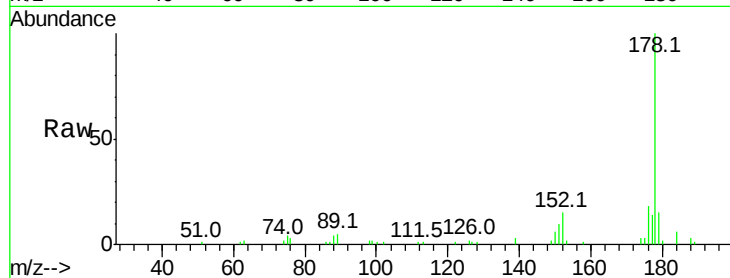
Tot Ion:178 Resp: 32572

Ion Ratio Lower Upper

178 100

176 17.7 16.0 24.0

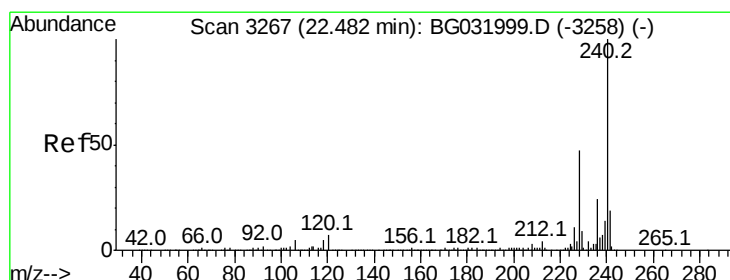
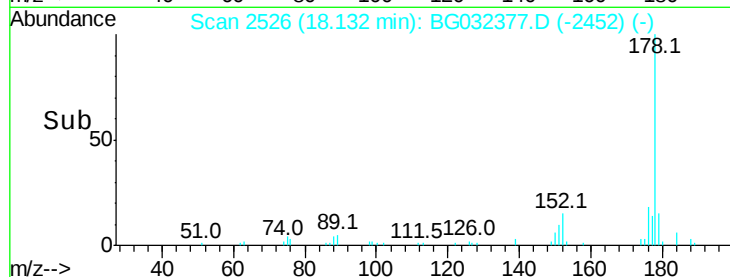
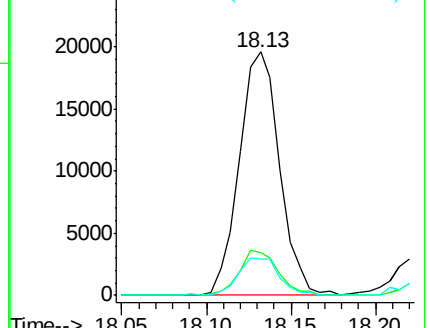
179 14.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032377.D

Acq: 28 Jan 2018 4:59

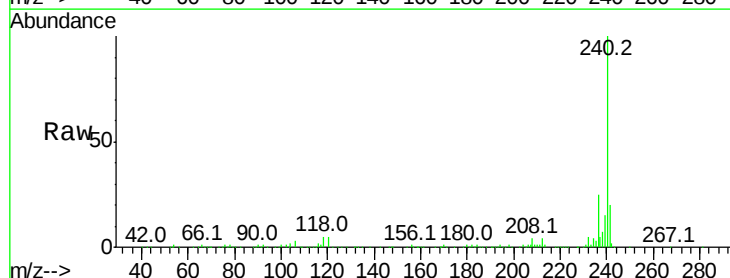
Tgt Ion:240 Resp: 313729

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

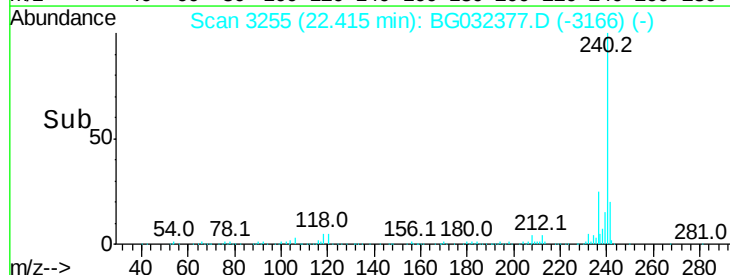
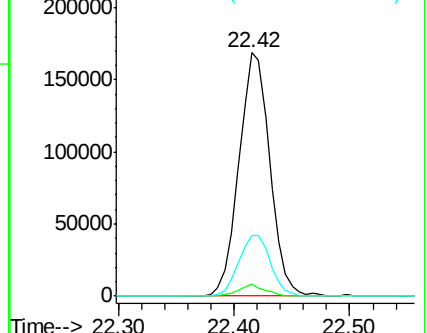
236 24.7 20.9 31.3

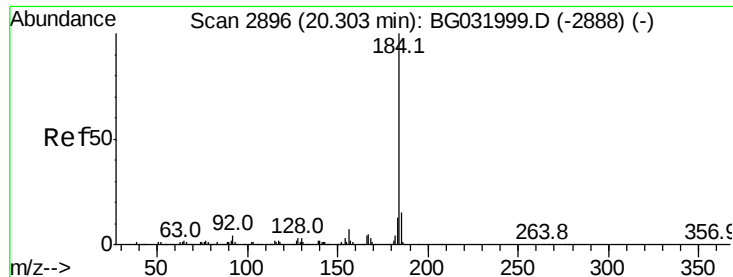


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

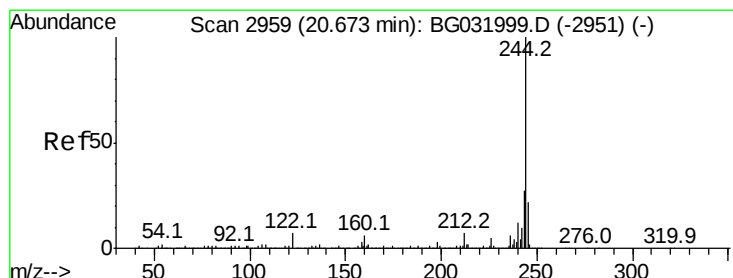
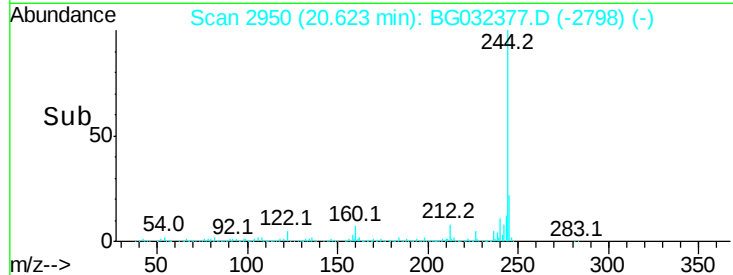
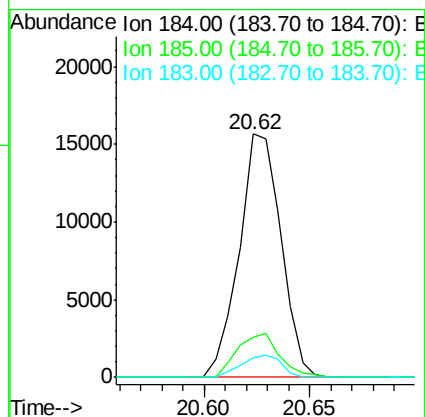
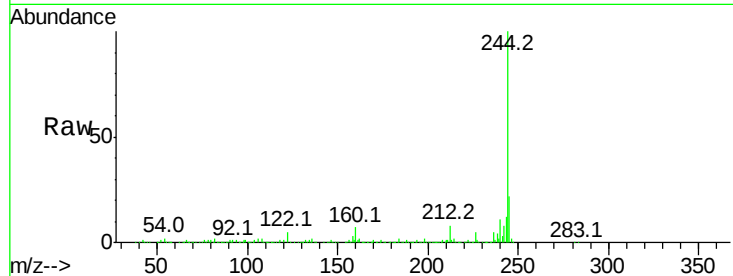




#76
Benzidine
Concen: 2.741 ng
RT: 20.62 min Scan# 2950
Delta R.T. 0.36 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

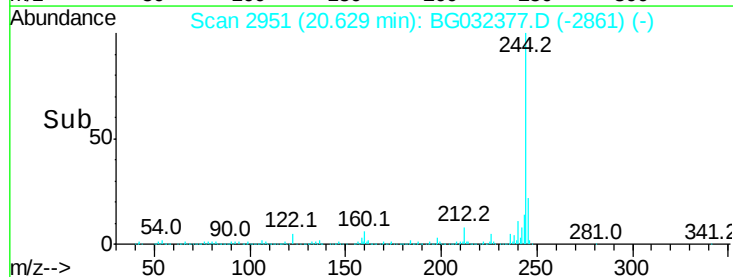
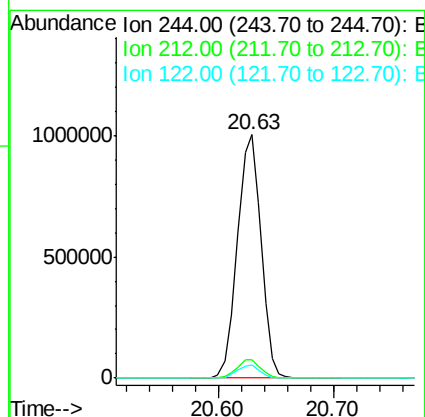
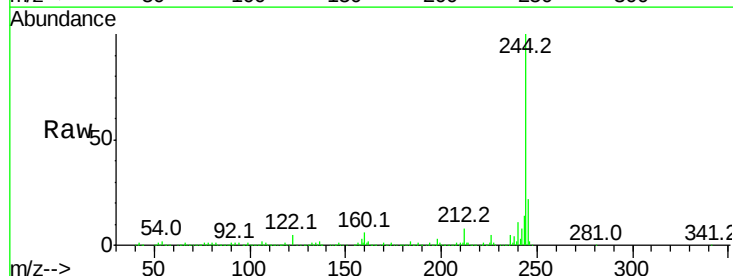
Instrument :
BNA_G
ClientSampleId :

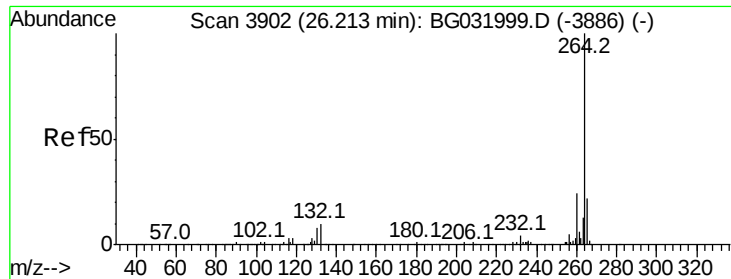
Tot Ion:184 Resp: 21504
Ion Ratio Lower Upper
184 100
185 16.6 11.1 16.7
183 7.8 10.6 16.0#



#78
Terphenyl-d14
Concen: 99.878 ng
RT: 20.63 min Scan# 2951
Delta R.T. -0.00 min
Lab File: BG032377.D
Acq: 28 Jan 2018 4:59

Tgt Ion:244 Resp: 1419118
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.8
122 5.2 7.0 10.4#

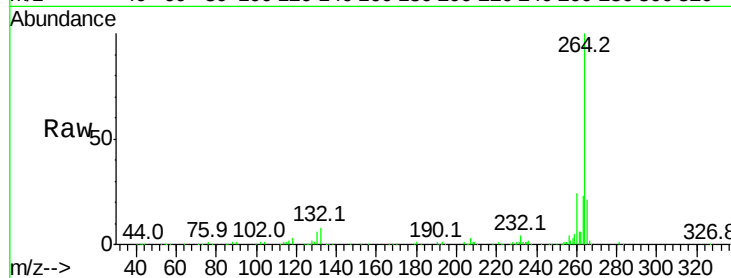




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032377.D
 Acq: 28 Jan 2018 4:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.1	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

