

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032379.D
 Acq On : 28 Jan 2018 6:14
 Operator : SJ/JU
 Sample : J1325-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 29 01:07:27 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	8.72	152	34071	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	120701	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	79157	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	212005	20.00	ng	0.00
75) Chrysene-d12	22.42	240	302449	20.00	ng	0.00
86) Perylene-d12	26.11	264	303209	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	232907	125.02	ng	0.00
7) Phenol-d6	7.84	99	258596	110.22	ng	0.00
23) Nitrobenzene-d5	9.92	82	191323	107.24	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	219494	167.57	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	649416	101.73	ng	0.00
78) Terphenyl-d14	20.63	244	1387327	101.28	ng	0.00

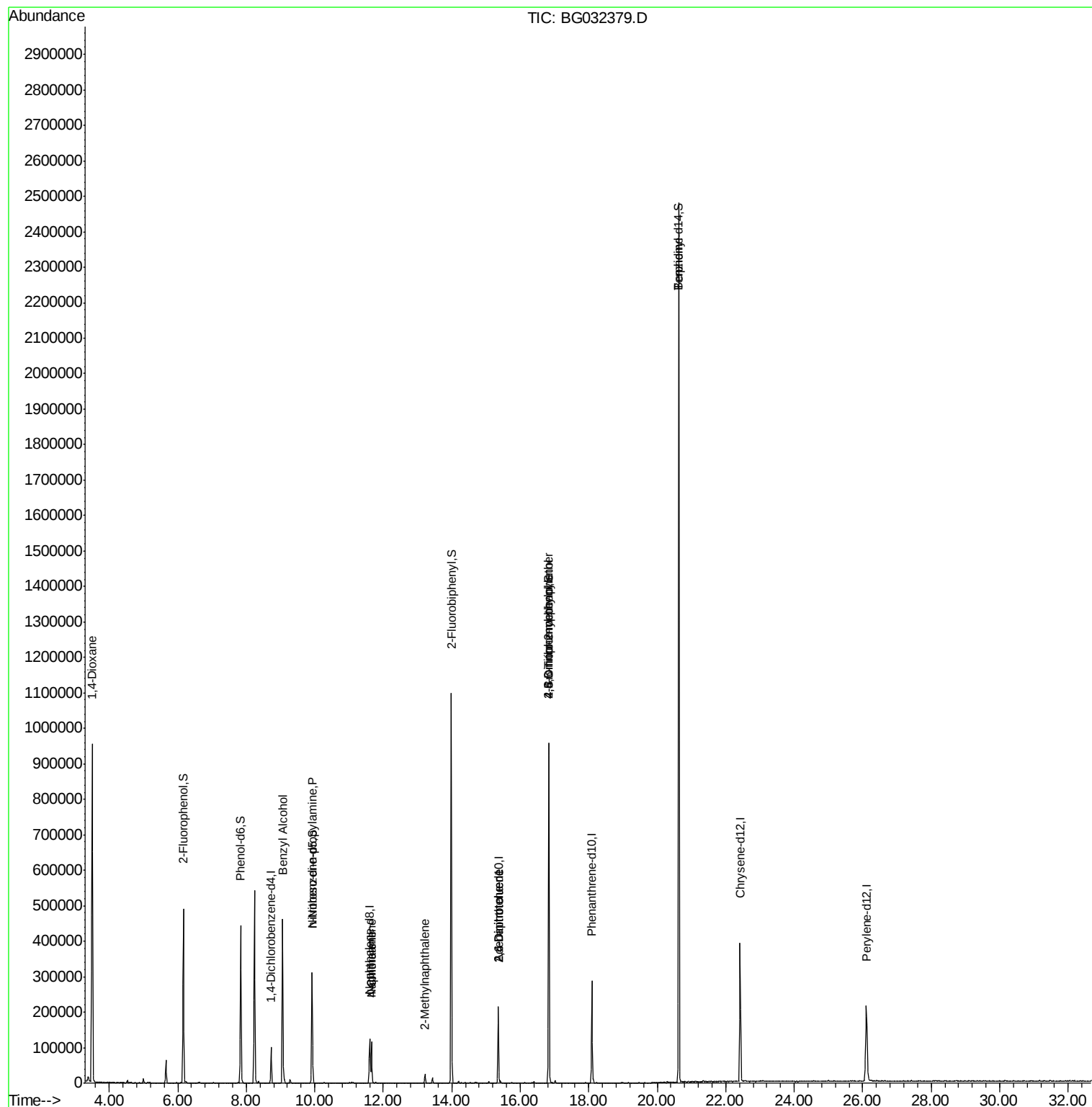
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.51	88	10346	14.456	ng	# 1
15) Benzyl Alcohol	9.06	79	4024	2.361	ng	# 46
19) n-Nitroso-di-n-propylamine	9.92	70	28353	19.477	ng	# 78
31) Naphthalene	11.65	128	105561	17.655	ng	# 99
33) 4-Chloroaniline	11.65	127	14781	5.765	ng	# 34
37) 2-Methylnaphthalene	13.22	142	13510	2.846	ng	# 93
50) 2,6-Dinitrotoluene	15.36	165	10714	7.452	ng	# 21
56) 2,4-Dinitrotoluene	15.36	165	10714	5.535	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.84	198	764	5.390	ng	# 76
66) 4-Bromophenyl-phenylether	16.83	248	18496	6.132	ng	# 1
76) Benzidine	20.63	184	20420	2.700	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

Instrument :

BNA_G

ClientSampleId :

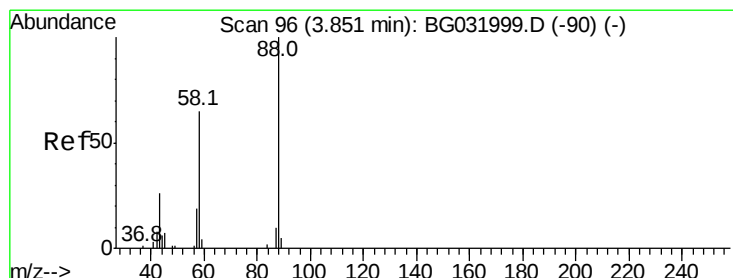
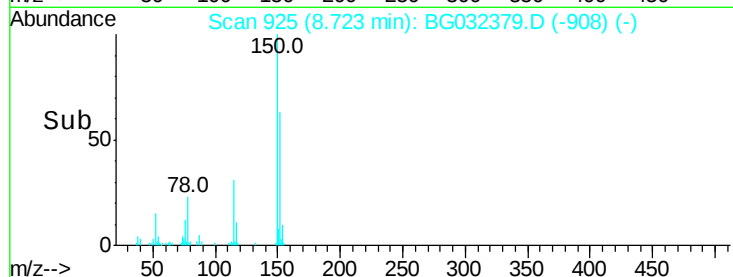
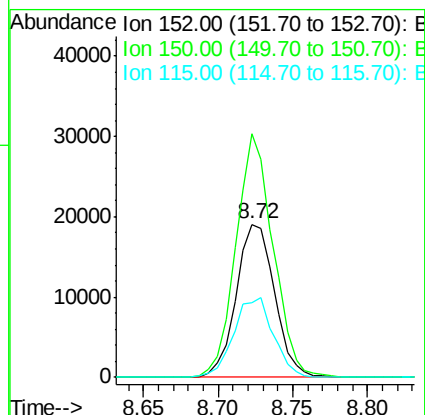
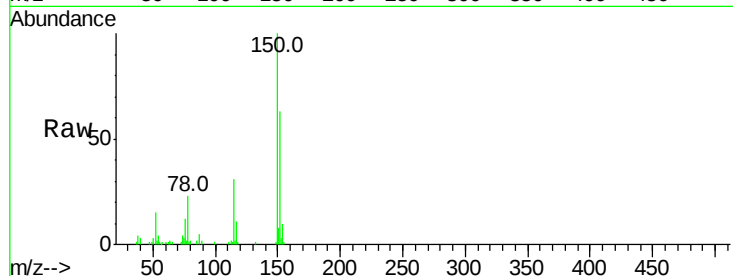
Tot Ion:152 Resp: 34071

Ion Ratio Lower Upper

152 100

150 159.4 126.6 189.8

115 49.0 53.0 79.4#



#2

1,4-Dioxane

Concen: 14.456 ng

RT: 3.51 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

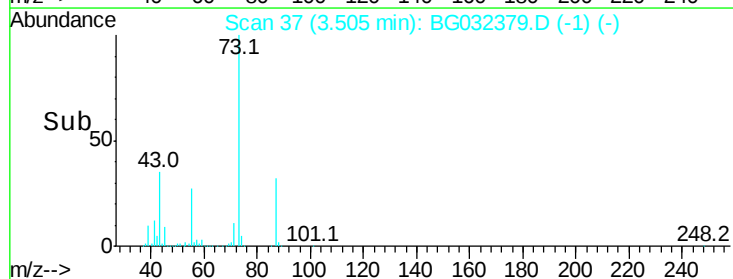
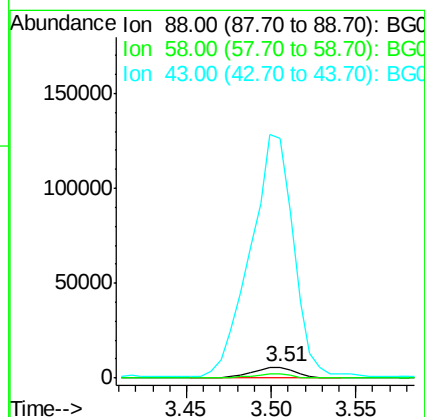
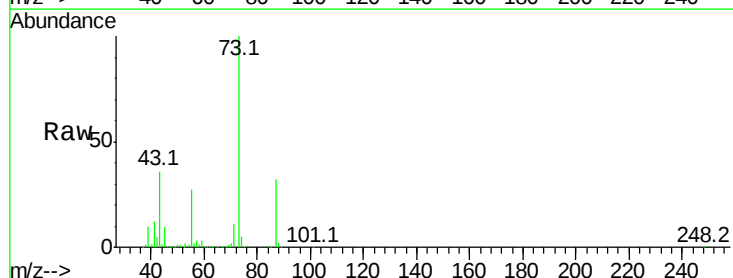
Tgt Ion: 88 Resp: 10346

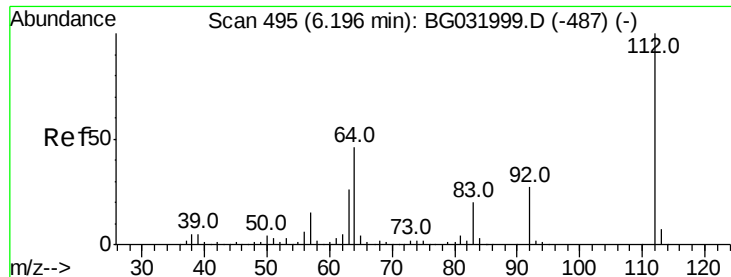
Ion Ratio Lower Upper

88 100

58 37.2 79.6 119.4#

43 2203.9 27.4 41.0#





#5

2-Fluorophenol

Concen: 125.025 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

Instrument :

BNA_G

ClientSampled :

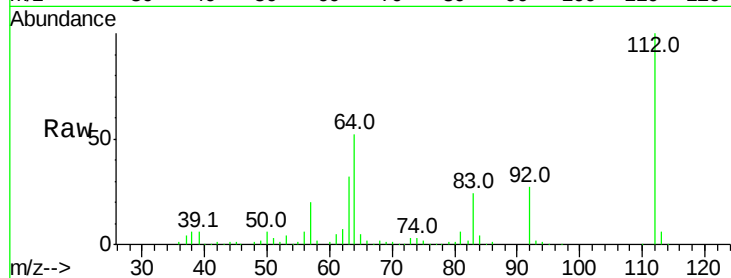
Tot Ion:112 Resp: 232907

Ion Ratio Lower Upper

112 100

64 52.1 56.3 84.5#

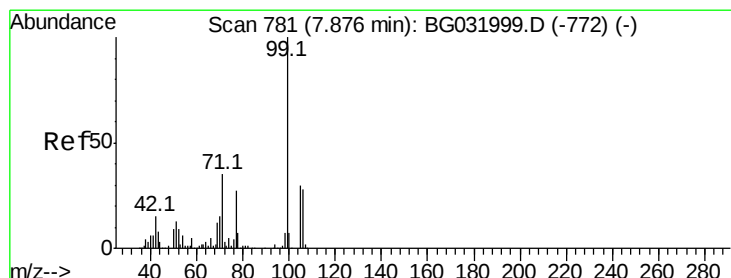
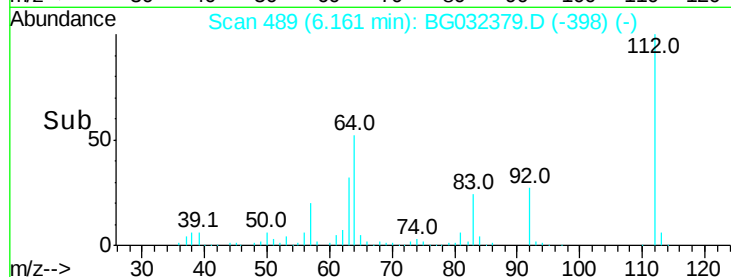
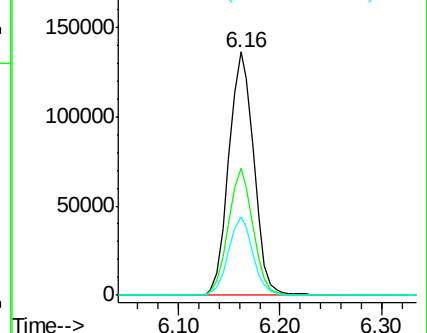
63 32.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 110.219 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

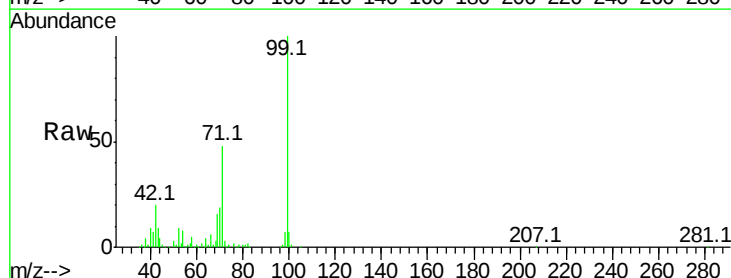
Tgt Ion: 99 Resp: 258596

Ion Ratio Lower Upper

99 100

42 19.7 14.1 21.1

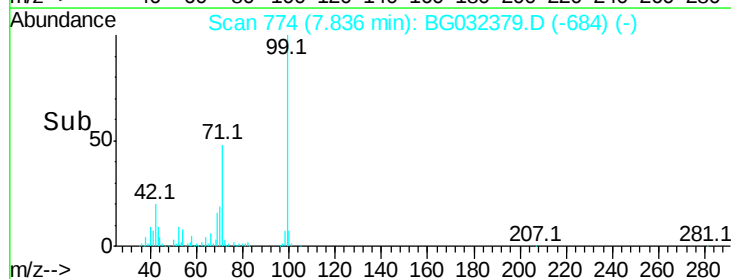
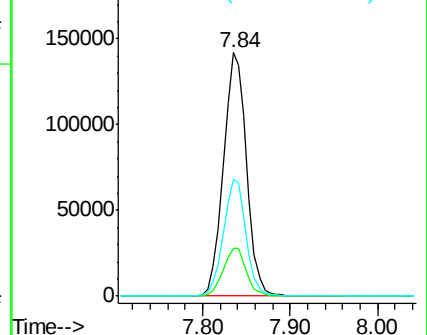
71 48.3 26.1 39.1#

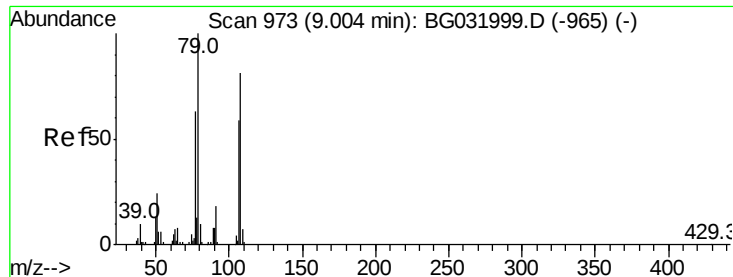


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.361 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.10 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

Instrument :

BNA_G

ClientSampleId :

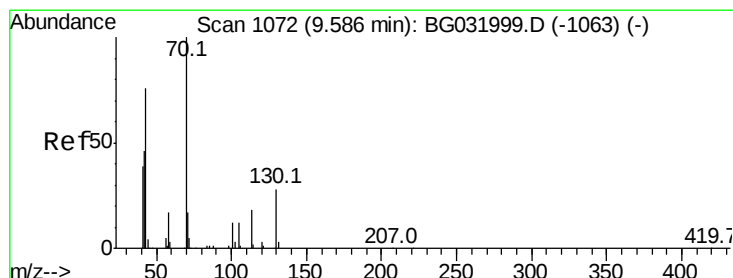
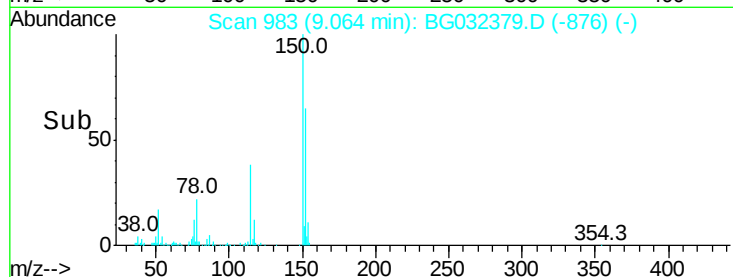
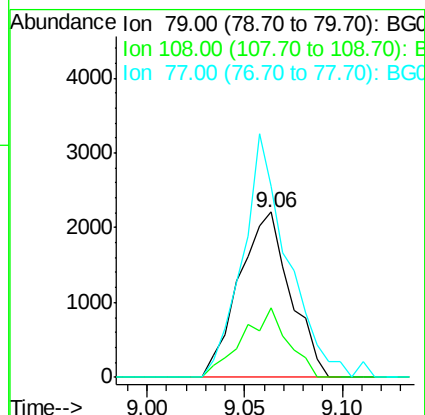
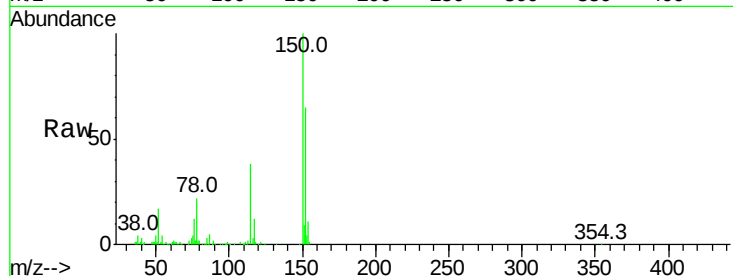
Tot Ion: 79 Resp: 4024

Ion Ratio Lower Upper

79 100

108 42.3 57.2 85.8#

77 115.6 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.477 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

Tgt Ion: 70 Resp: 28353

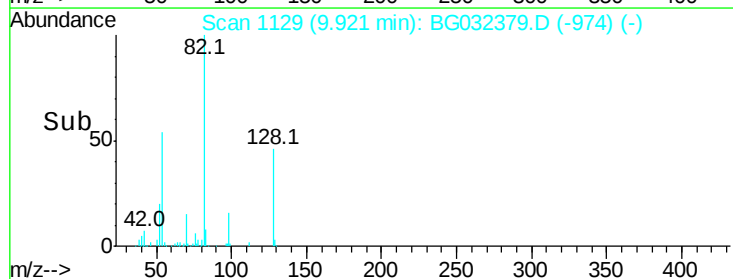
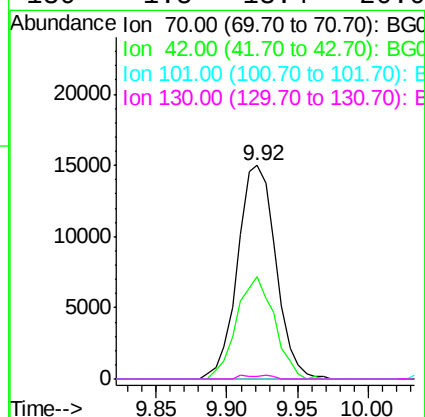
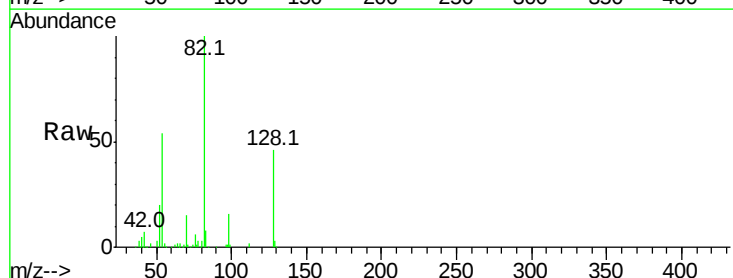
Ion Ratio Lower Upper

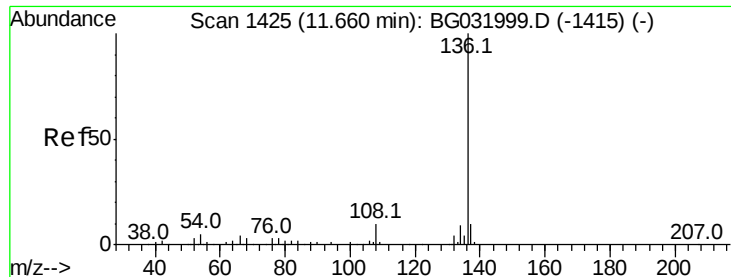
70 100

42 47.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

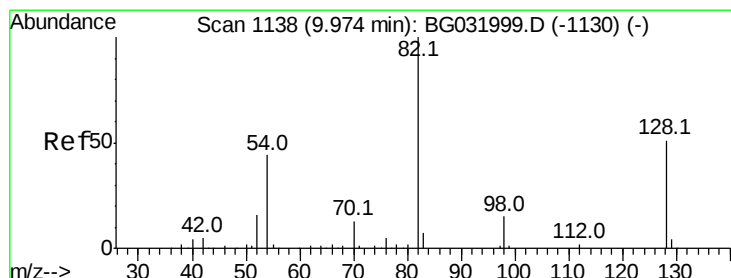
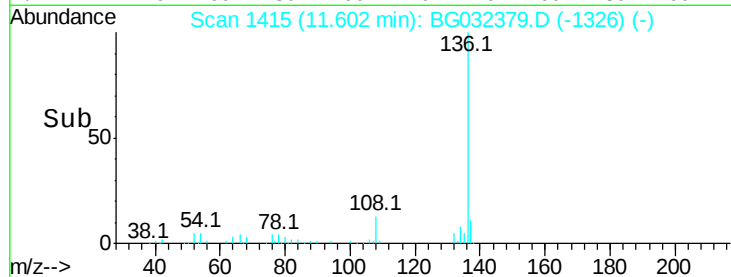
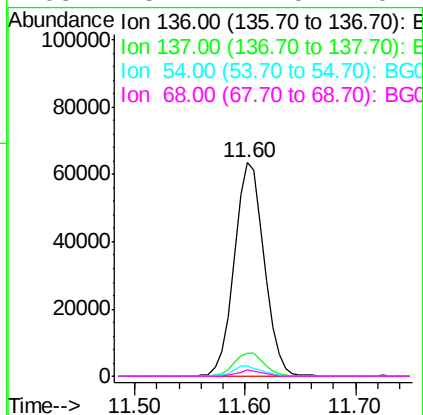
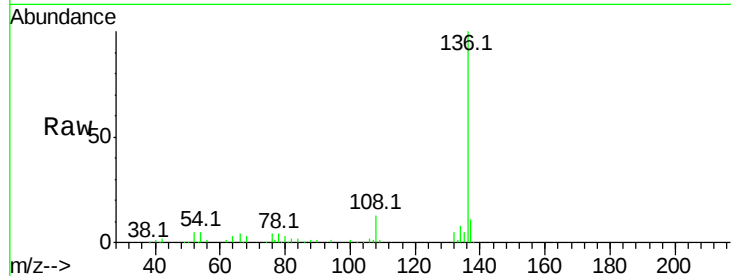




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

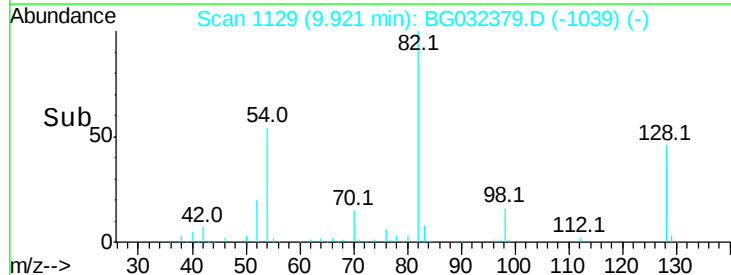
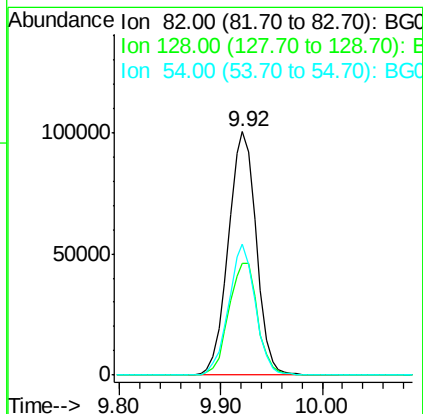
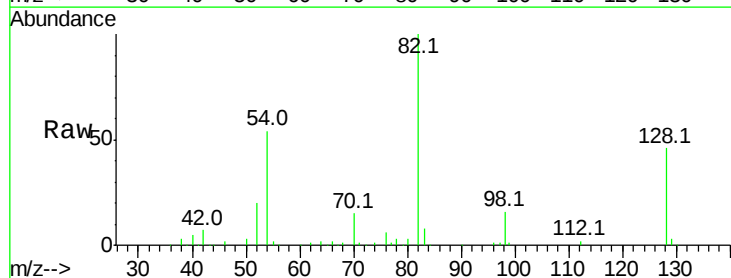
Instrument :
BNA_G
ClientSampleId :

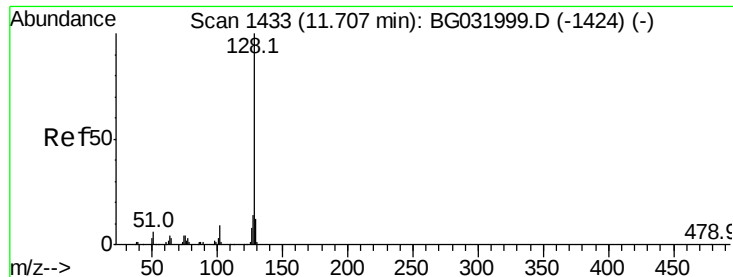
Tot Ion:	136	Resp:	120701
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	5.1	10.3	15.5#
68	3.1	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 107.239 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

Tgt Ion:	82	Resp:	191323
Ion	Ratio	Lower	Upper
82	100		
128	46.1	29.7	44.5#
54	54.1	43.1	64.7

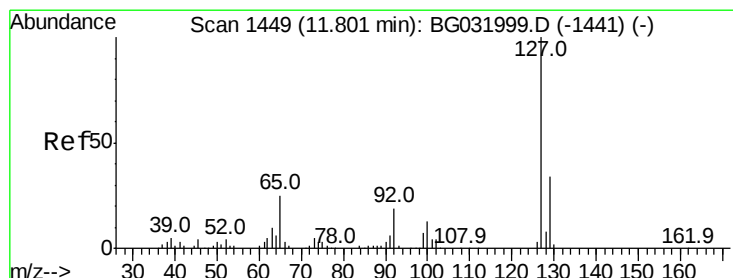
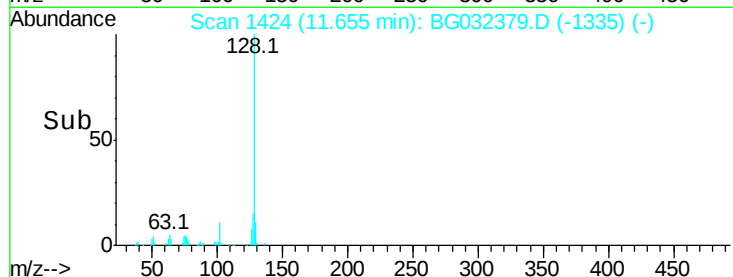
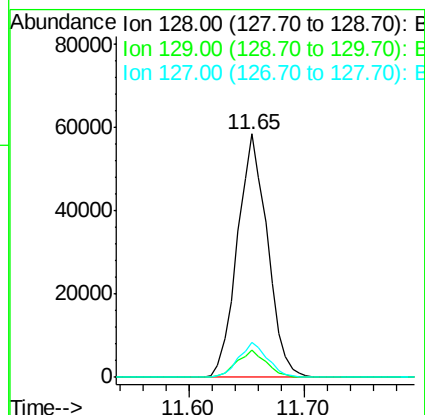
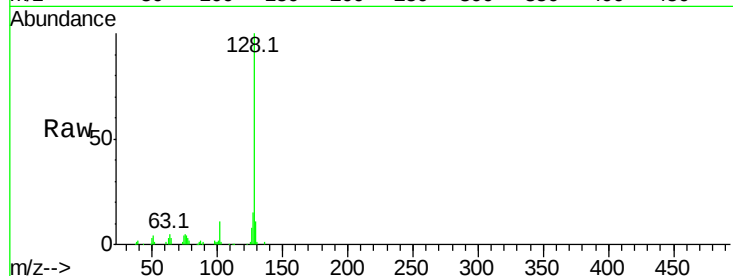




#31
Naphthalene
Concen: 17.655 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

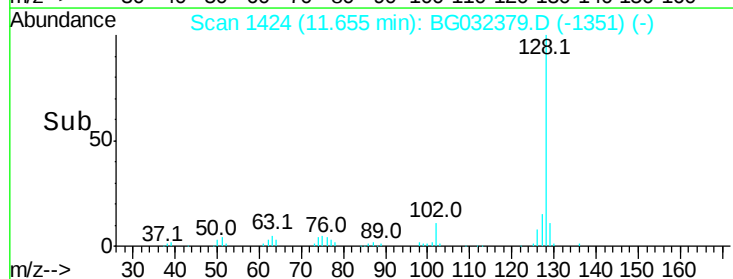
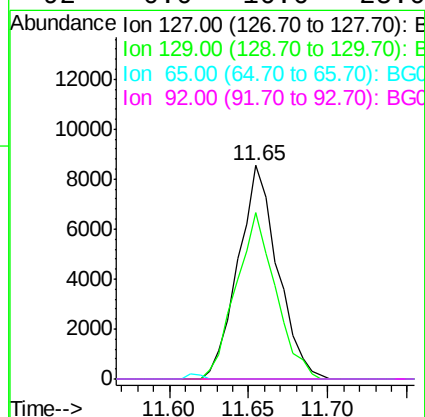
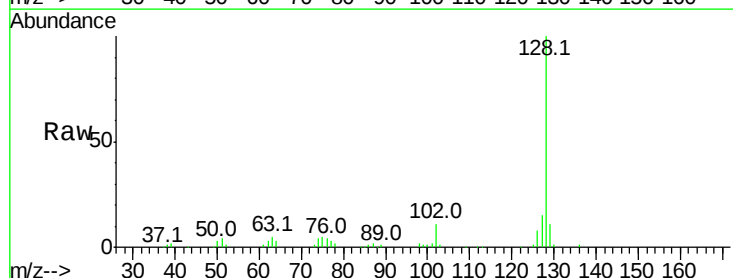
Instrument :
BNA_G
ClientSampleId :

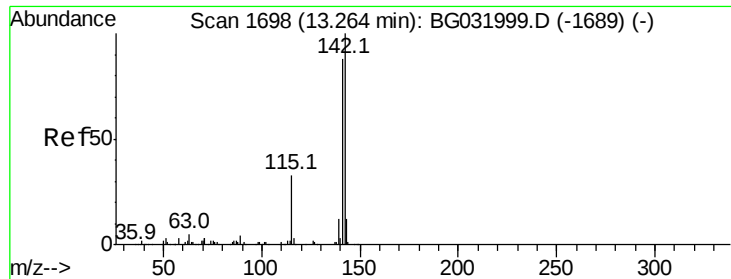
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	14.6	11.6	17.4



#33
4-Chloroaniline
Concen: 5.765 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

Tgt Ion	Ratio	Lower	Upper
127	100		
129	77.9	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

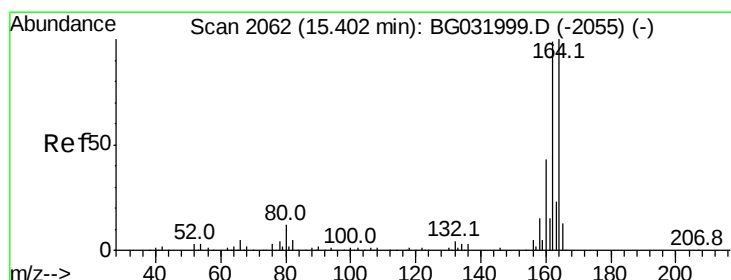
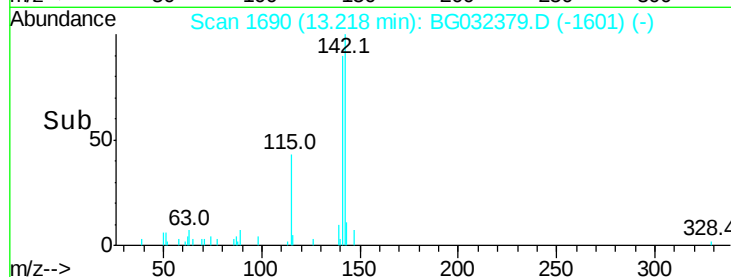
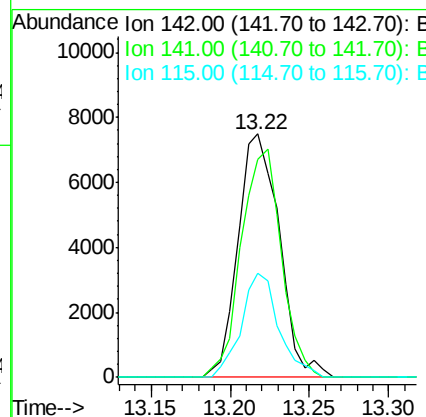
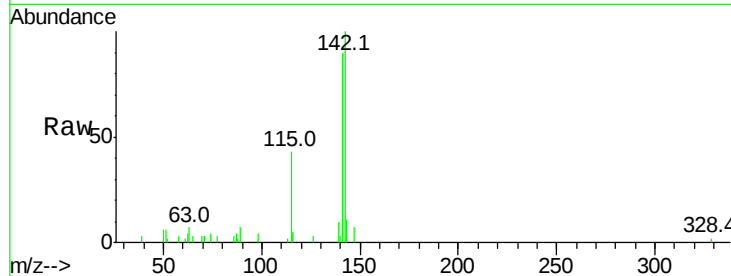




#37
2-Methylnaphthalene
Concen: 2.846 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

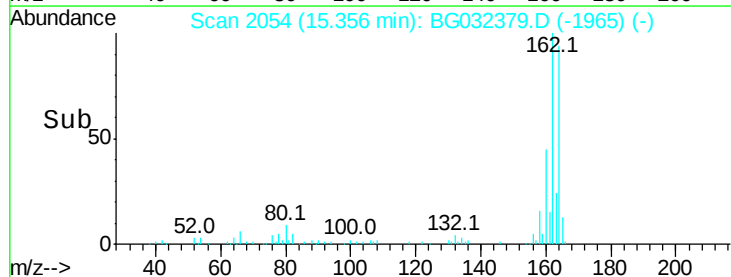
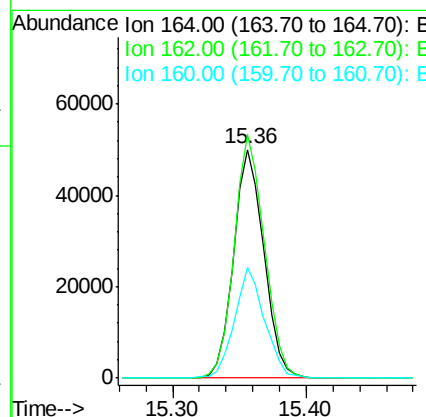
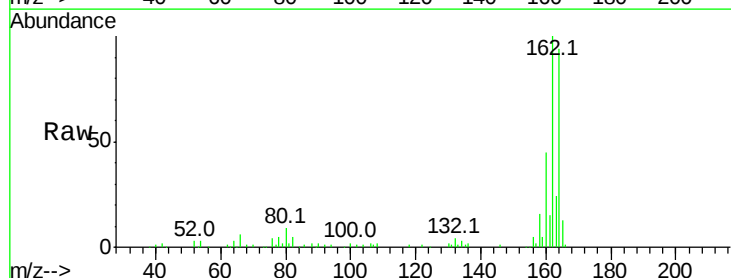
Instrument :
BNA_G
ClientSampled :

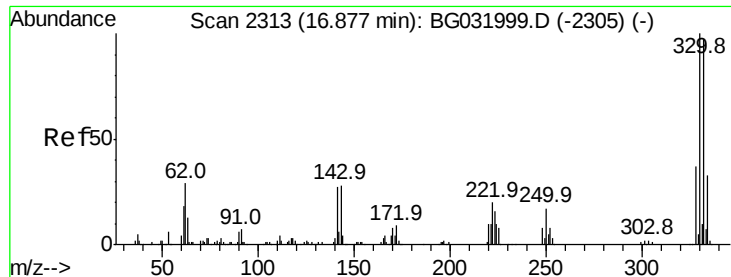
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	67.1	100.7
115	42.8	30.7	46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	78.8	118.2
160	48.2	35.4	53.0

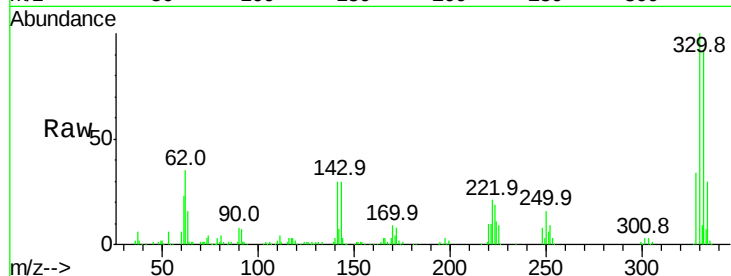




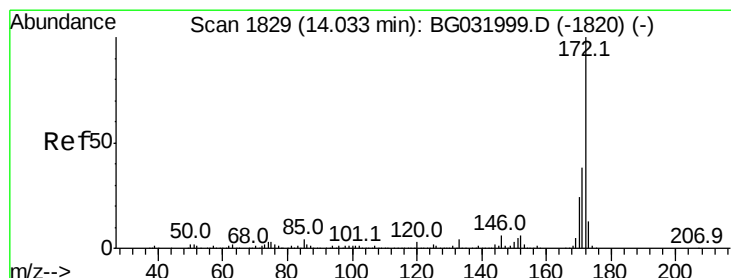
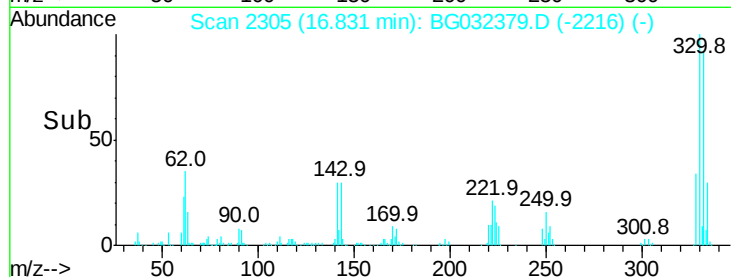
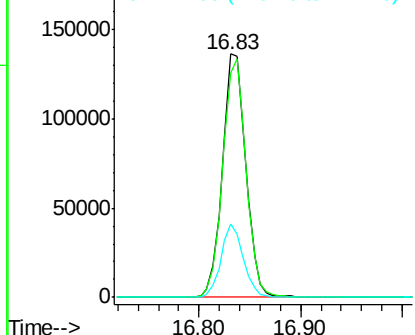
#41
 2,4,6-Tribromophenol
 Concen: 167.570 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: BG032379.D
 Acq: 28 Jan 2018 6:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	28.7	25.2	37.8

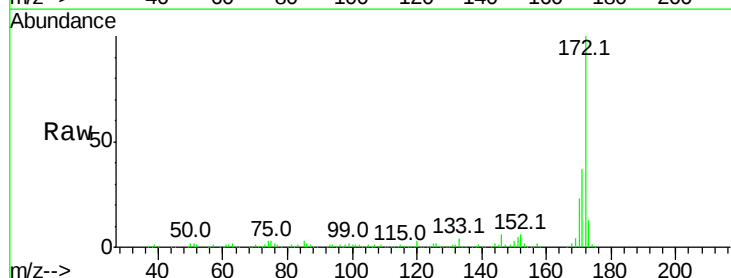


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

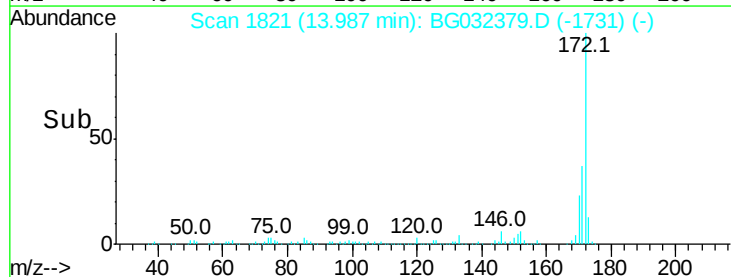
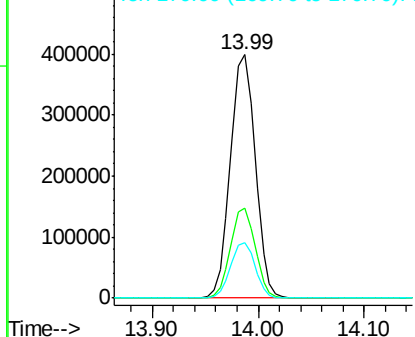


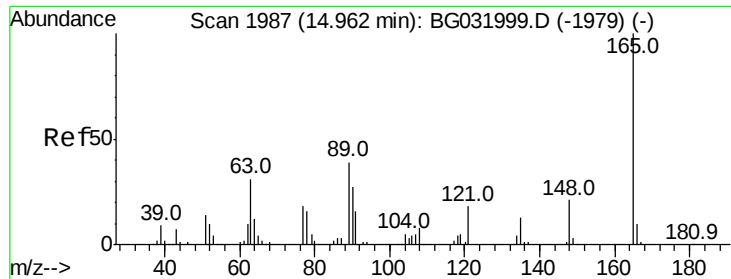
#44
 2-Fluorobiphenyl
 Concen: 101.727 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032379.D
 Acq: 28 Jan 2018 6:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	22.7	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

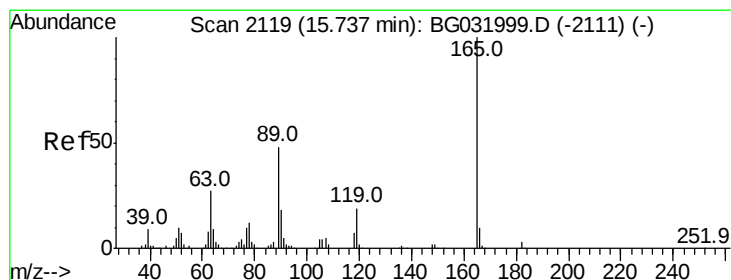
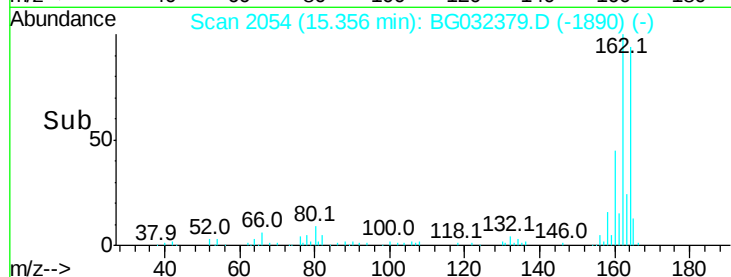
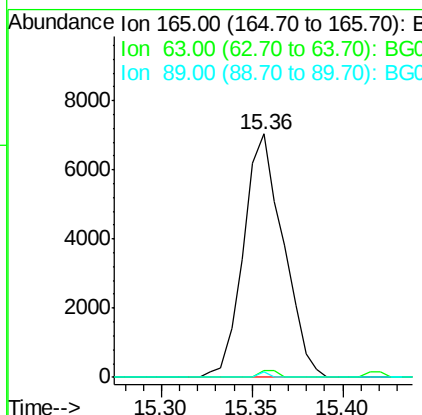
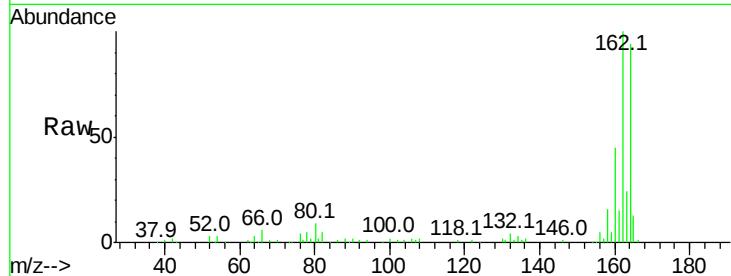




#50
 2,6-Dinitrotoluene
 Concen: 7.452 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032379.D
 Acq: 28 Jan 2018 6:14

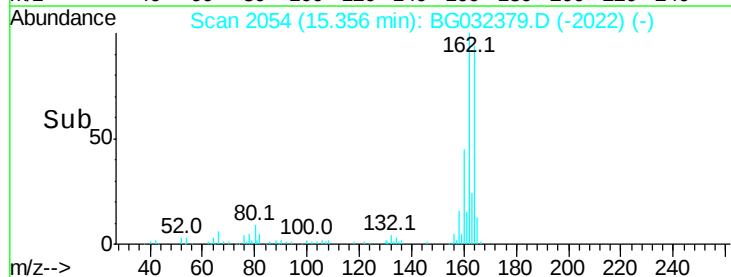
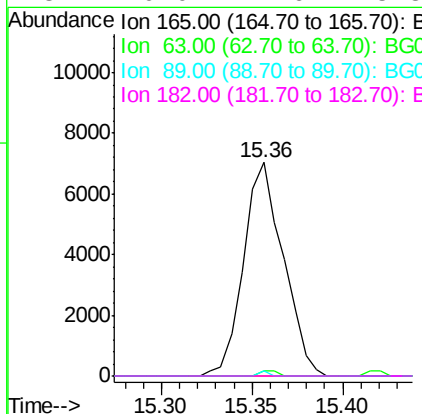
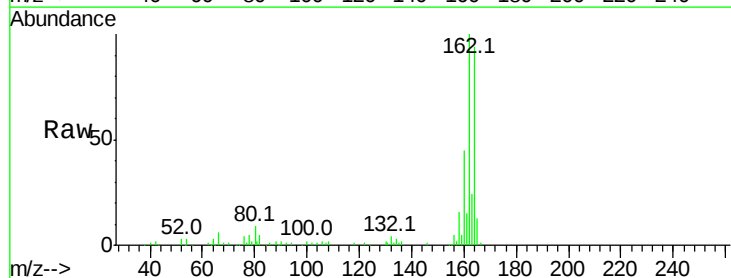
Instrument :
 BNA_G
 ClientSampleId :

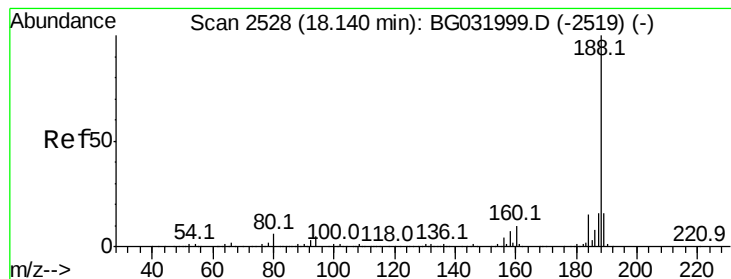
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	52.7	79.1#
89	2.2	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.535 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032379.D
 Acq: 28 Jan 2018 6:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	42.0	63.0#
89	2.2	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. -0.01 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

Instrument :

BNA_G

ClientSampleId :

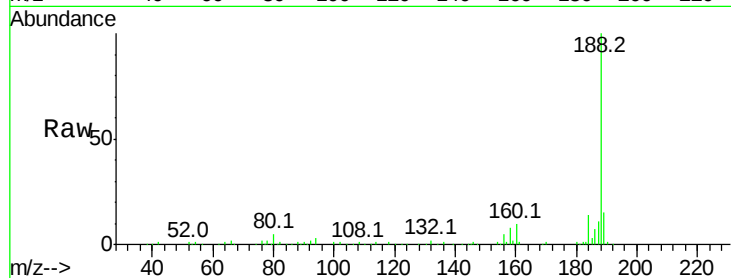
Tot Ion:188 Resp: 212005

Ion Ratio Lower Upper

188 100

94 3.3 6.9 10.3#

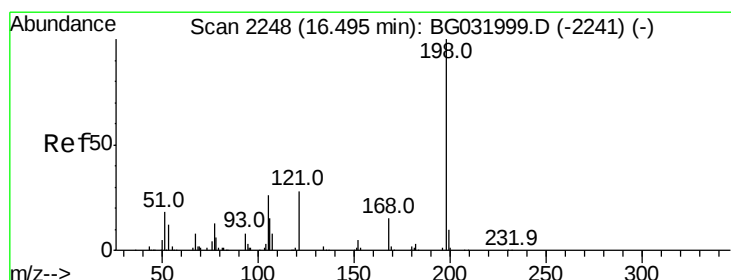
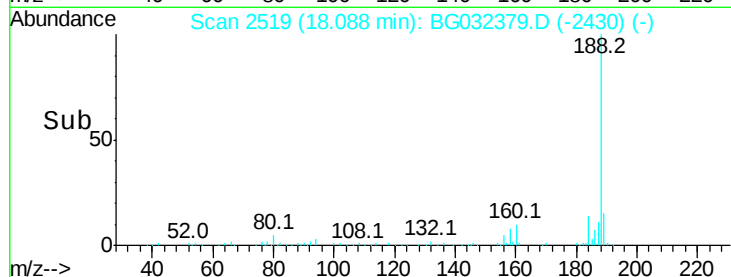
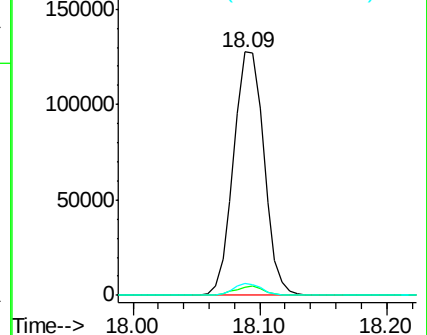
80 4.7 7.7 11.5#



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: 5.390 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.38 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

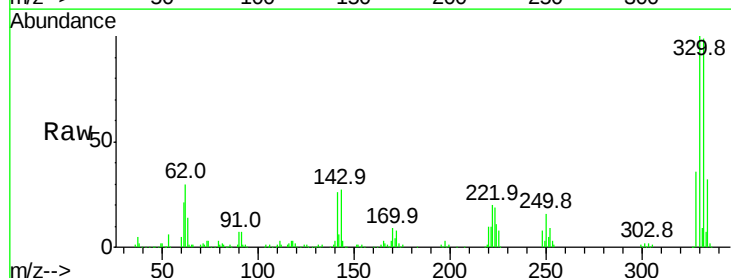
Tgt Ion:198 Resp: 764

Ion Ratio Lower Upper

198 100

51 60.7 30.6 70.6

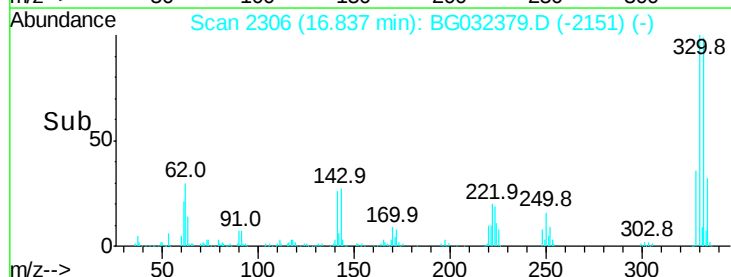
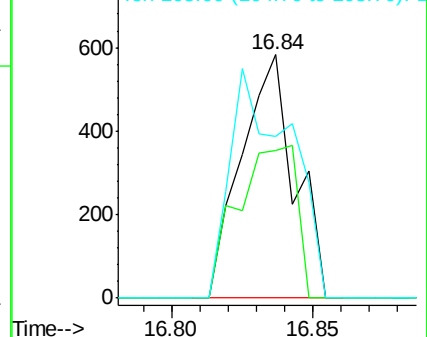
105 66.4 23.8 63.8#

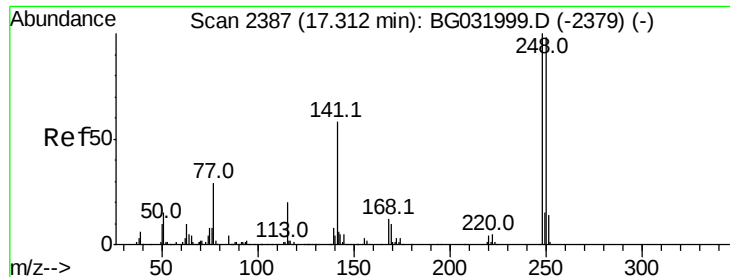


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

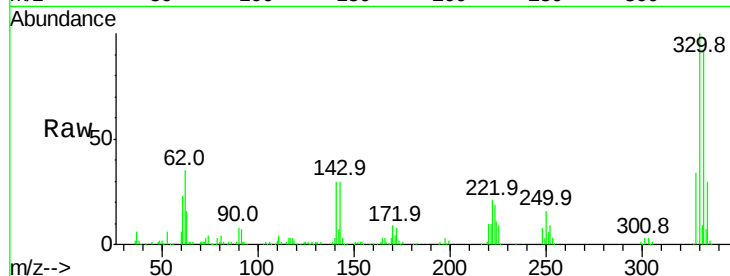




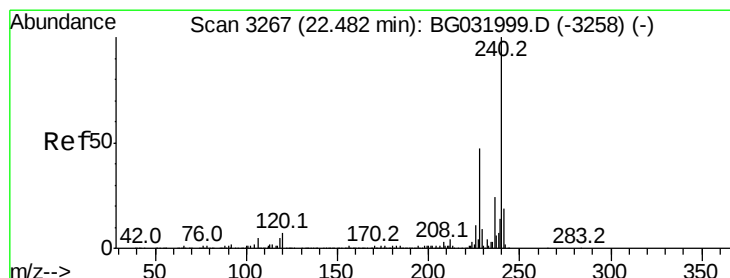
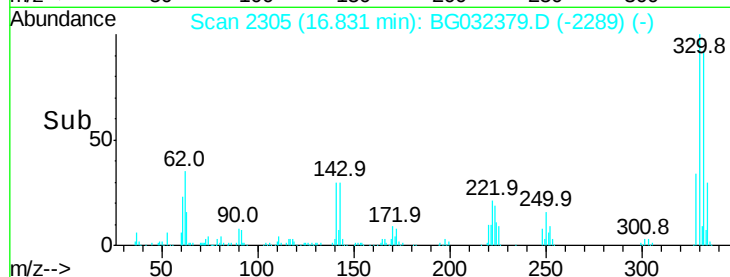
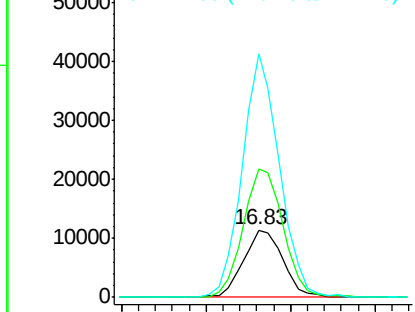
#66
4-Bromophenyl-phenylether
Concen: 6.132 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.44 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18496
Ion Ratio Lower Upper
248 100
250 190.6 77.1 115.7#
141 362.0 50.8 76.2#

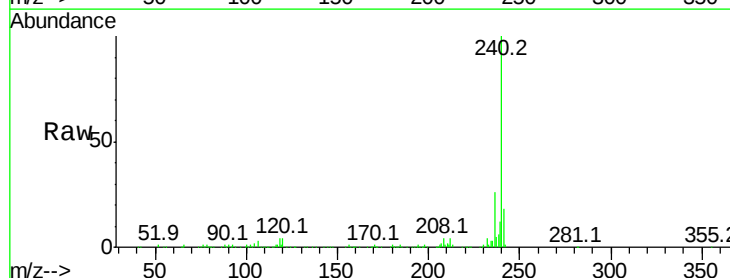


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

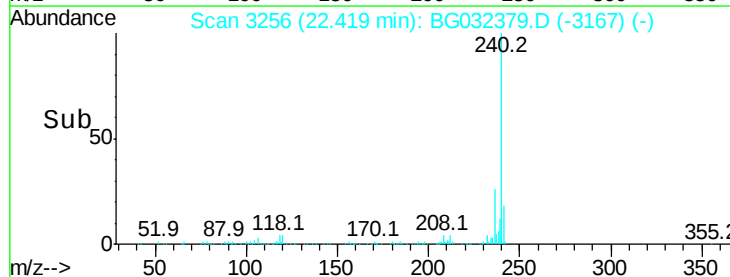
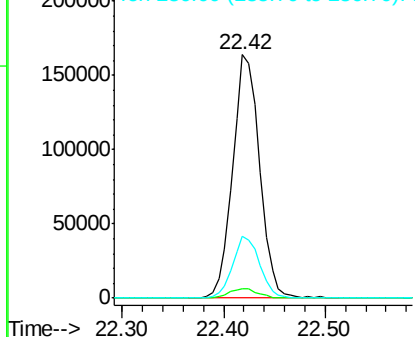


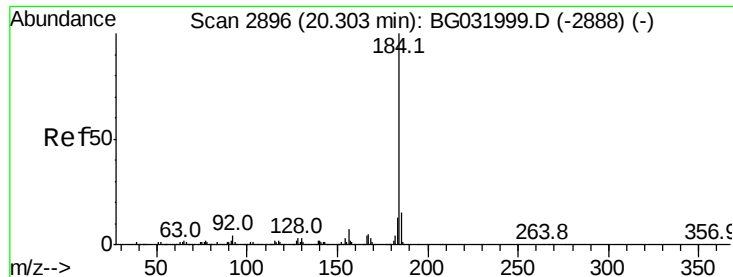
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

Tgt Ion:240 Resp: 302449
Ion Ratio Lower Upper
240 100
120 3.7 6.8 10.2#
236 25.5 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: 2.700 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

Instrument :

BNA_G

ClientSampleId :

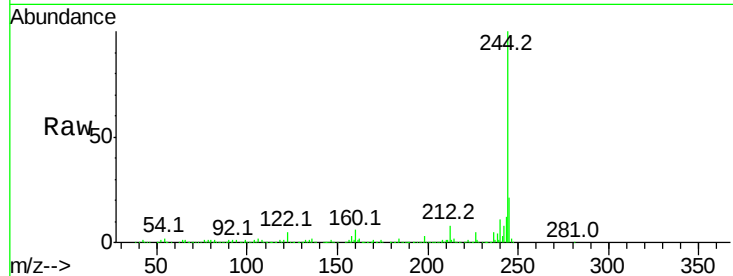
Tot Ion:184 Resp: 20420

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

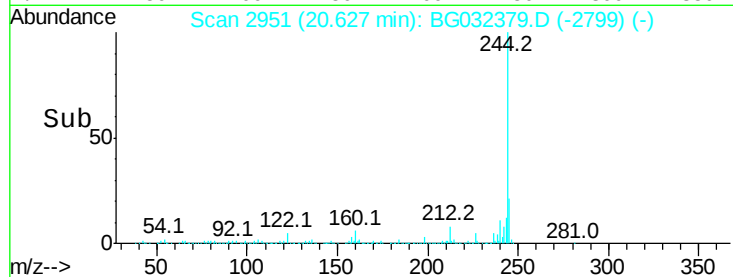
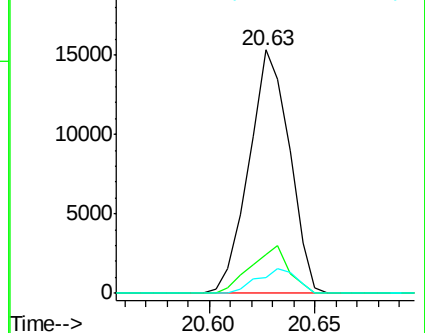
183 6.5 10.6 16.0#



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: 101.282 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032379.D

Acq: 28 Jan 2018 6:14

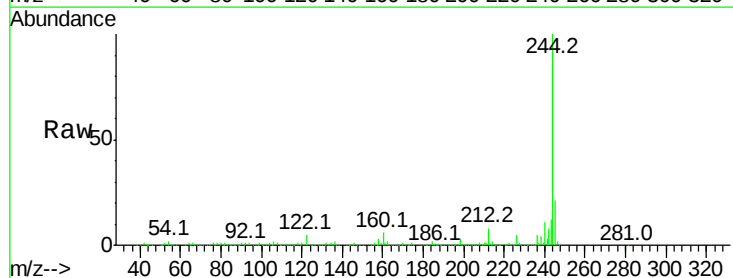
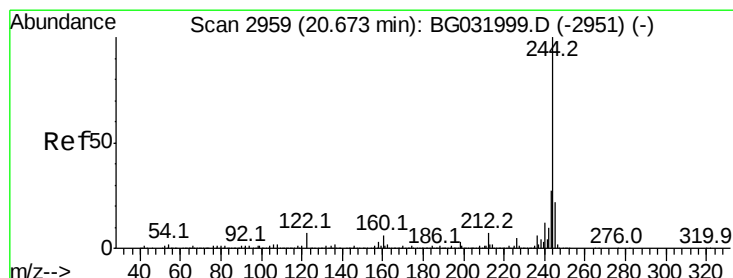
Tgt Ion:244 Resp: 1387327

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

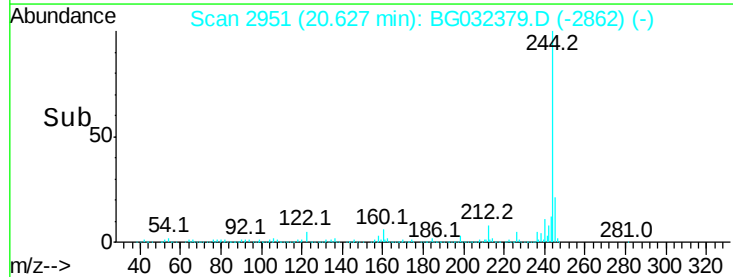
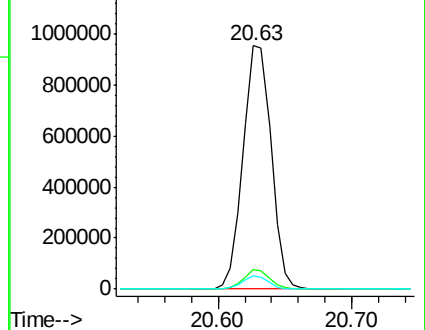
122 5.4 7.0 10.4#

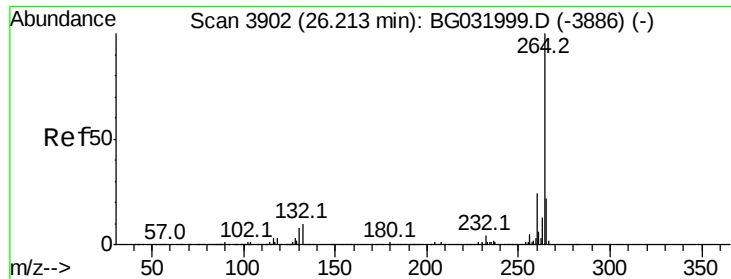


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.11 min Scan# 3884
Delta R.T. -0.00 min
Lab File: BG032379.D
Acq: 28 Jan 2018 6:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	21.5	17.7	26.5

