

Data File : BG033397.D
Acq On : 28 Mar 2018 22:06
Operator : SJ/JU
Sample : J2097-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LIP-16

Quant Time: Mar 29 06:32:26 2018
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	43527	20.00	ng	-0.02
21) Naphthalene-d8	11.75	136	185626	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	139879	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	327450	20.00	ng	0.00
75) Chrysene-d12	22.56	240	339405	20.00	ng	0.00
86) Perylene-d12	26.33	264	370962	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	144323	62.17	ng	0.00
7) Phenol-d6	7.99	99	128626	32.25	ng	0.00
23) Nitrobenzene-d5	10.07	82	386296	95.61	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	256851	122.77	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	948277	97.87	ng	0.00
78) Terphenyl-d14	20.74	244	1519974	95.77	ng	0.00

Target Compounds						Qvalue
15) Benzyl Alcohol	9.20	79	6951	2.21	ng	# 48
19) n-Nitroso-di-n-propylamine	10.07	70	52695	18.03	ng	# 78
49) Dimethylphthalate	14.90	163	26394	2.17	ng	# 93
50) 2,6-Dinitrotoluene	15.48	165	17769	7.14	ng	# 21
53) 2,4-Dinitrophenol	16.01	184	58	7.68	ng	# 1
56) 2,4-Dinitrotoluene	15.48	165	17769	4.85	ng	# 18
66) 4-Bromophenyl-phenylether	16.96	248	19485	5.07	ng	# 1
76) Benzidine	20.73	184	25365	2.76	ng	# 91

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

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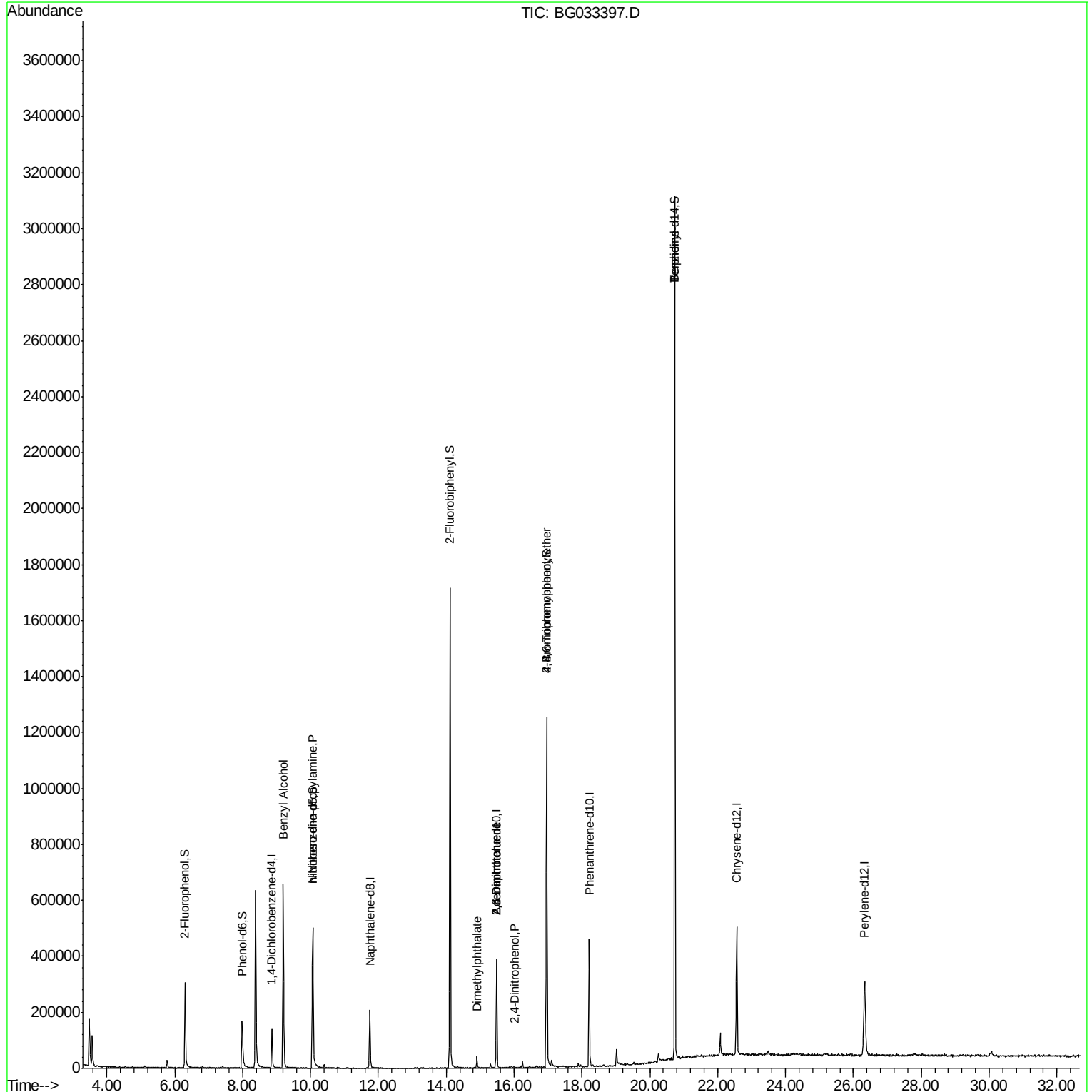
Quant Time: Mar 29 06:32:26 2018

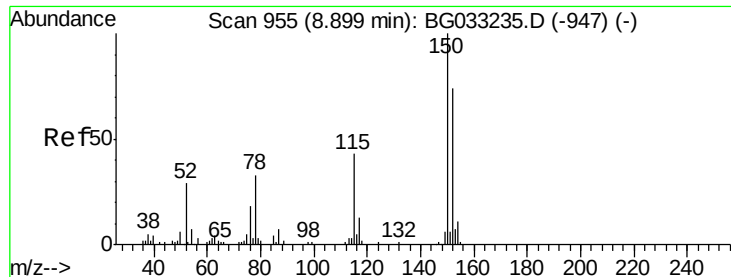
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.02 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

Instrument :

BNA_G

ClientSampleId :

LIP-16

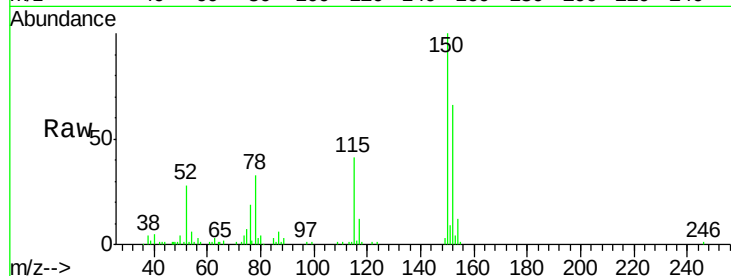
Tgt Ion:152 Resp: 43527

Ion Ratio Lower Upper

152 100

150 151.6 126.6 189.8

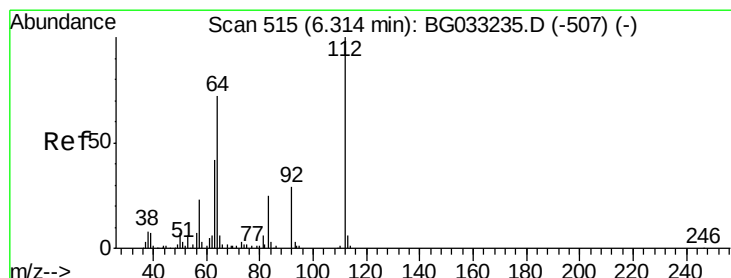
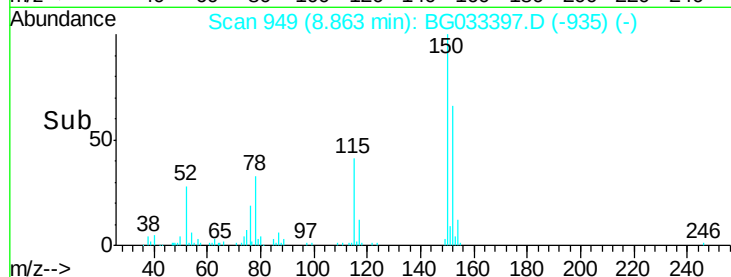
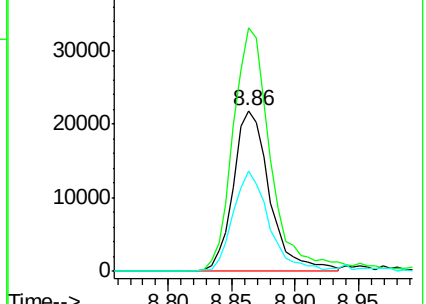
115 62.4 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 62.17 ng

RT: 6.30 min Scan# 513

Delta R.T. 0.01 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

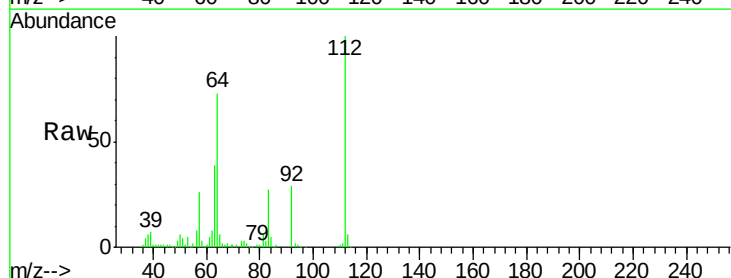
Tgt Ion:112 Resp: 144323

Ion Ratio Lower Upper

112 100

64 72.7 56.3 84.5

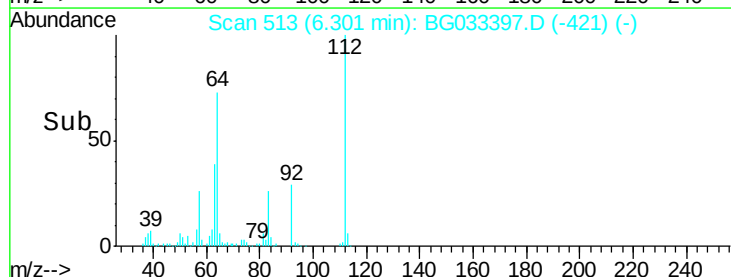
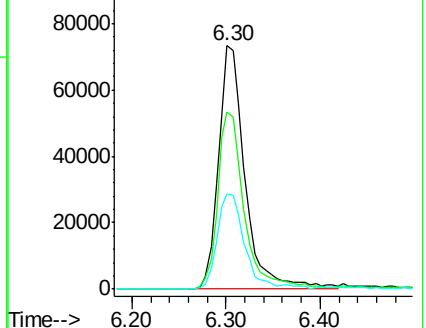
63 39.0 30.1 45.1

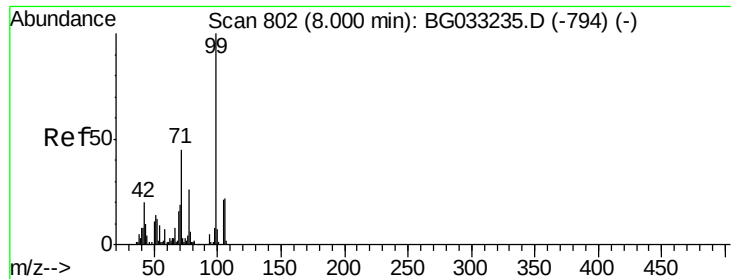


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 32.25 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

Instrument :

BNA_G

ClientSampleId :

LIP-16

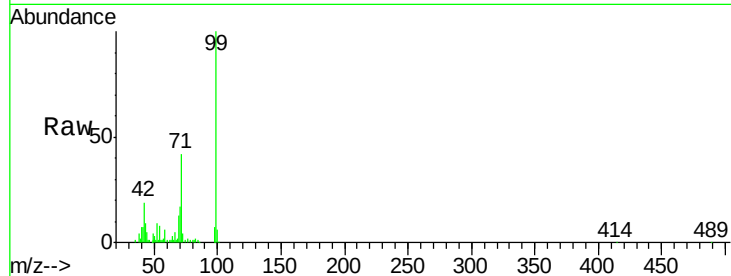
Tgt Ion: 99 Resp: 128626

Ion Ratio Lower Upper

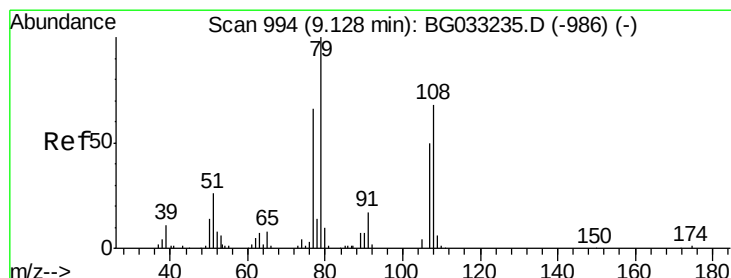
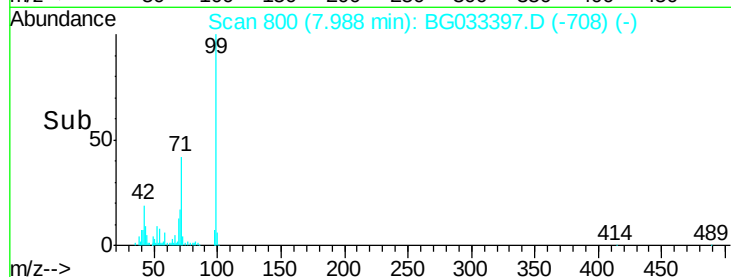
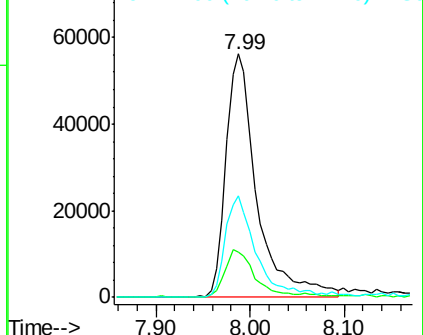
99 100

42 18.8 14.1 21.1

71 41.7 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: 2.21 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

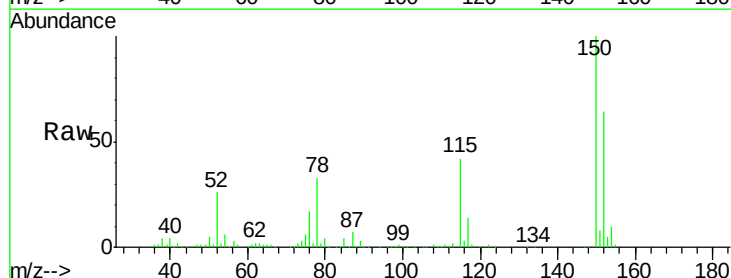
Tgt Ion: 79 Resp: 6951

Ion Ratio Lower Upper

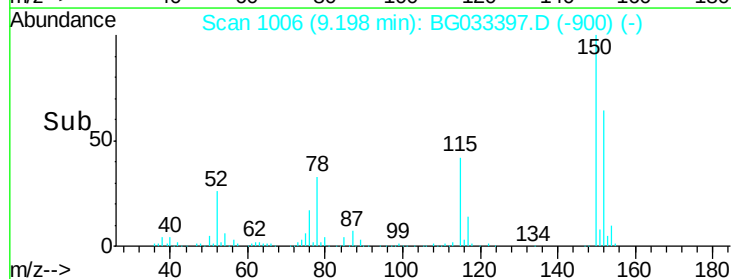
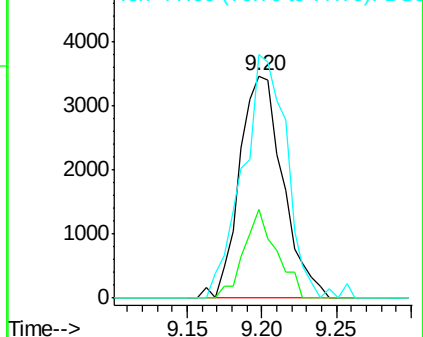
79 100

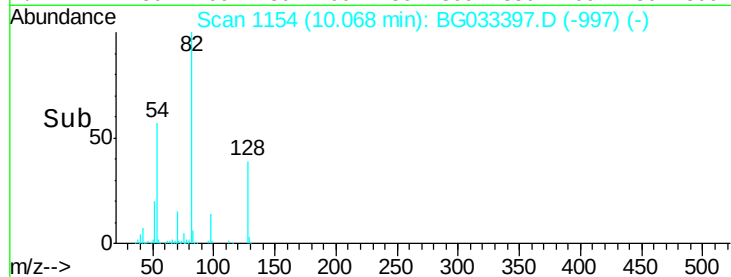
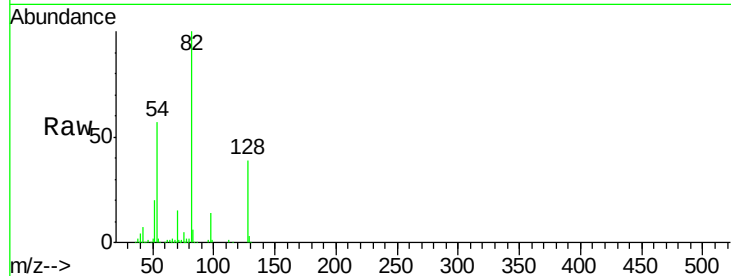
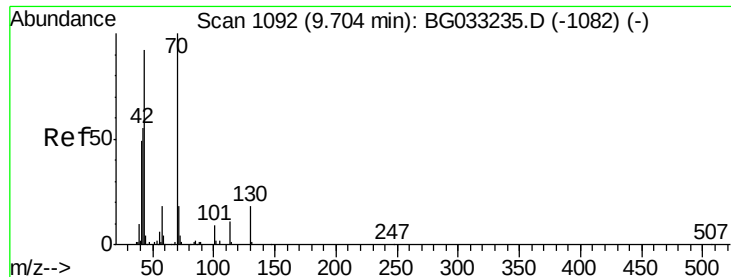
108 40.1 57.2 85.8#

77 109.5 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

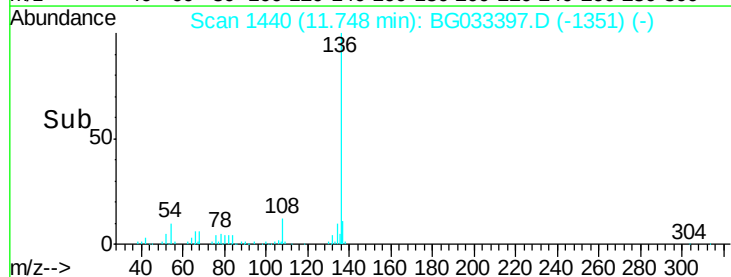
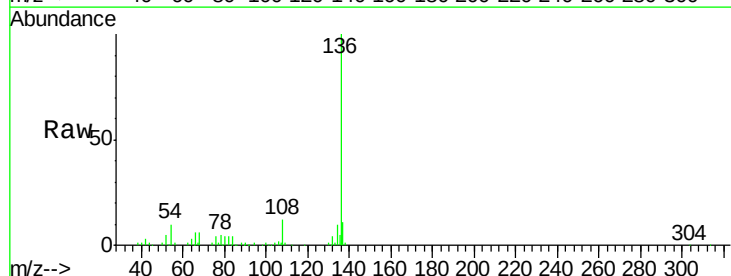
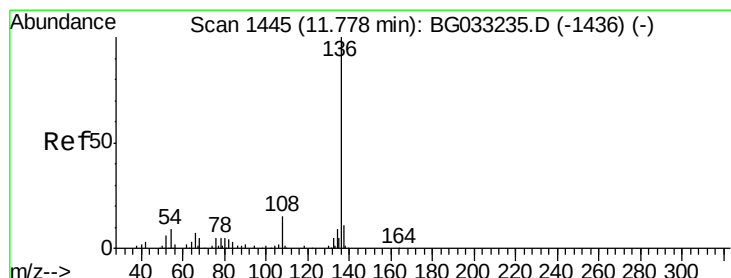
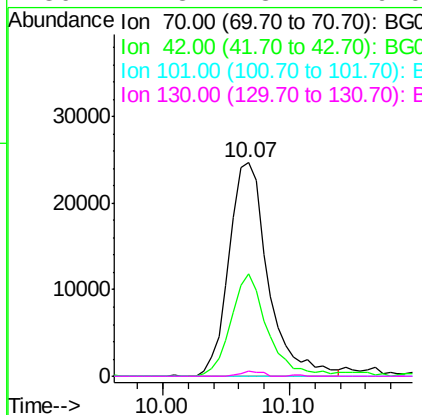




#19
n-Nitroso-di-n-propylamine
Concen: 18.03 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.39 min
Lab File: BG033397.D
Acq: 28 Mar 2018 22:06

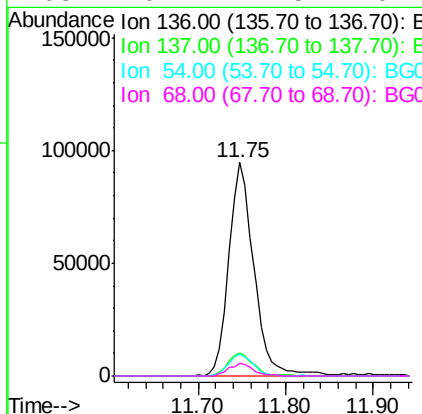
Instrument :
BNA_G
ClientSampleId :
LIP-16

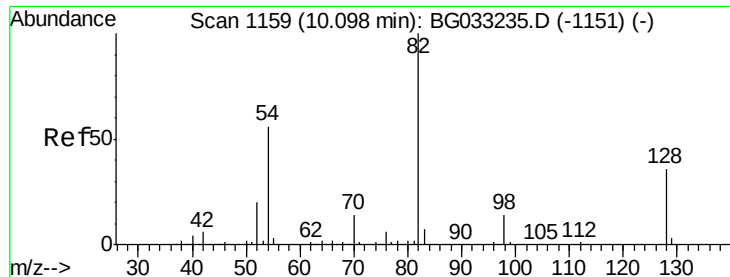
Tgt Ion:	70	Resp:	52695
Ion	Ratio	Lower	Upper
70	100		
42	47.9	49.1	73.7#
101	0.0	8.5	12.7#
130	2.3	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033397.D
Acq: 28 Mar 2018 22:06

Tgt Ion:	136	Resp:	185626
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	10.0	10.3	15.5#
68	6.2	4.5	6.7





#23

Nitrobenzene-d5

Concen: 95.61 ng

RT: 10.07 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

Instrument :

BNA_G

ClientSampleId :

LIP-16

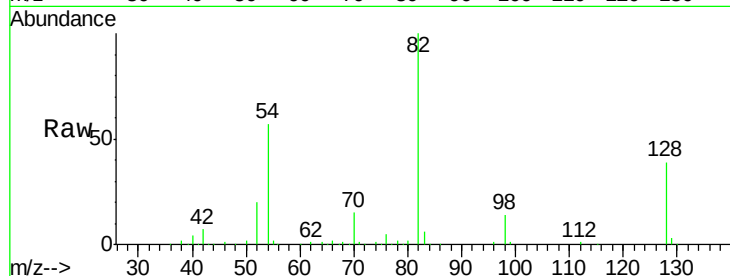
Tgt Ion: 82 Resp: 386296

Ion Ratio Lower Upper

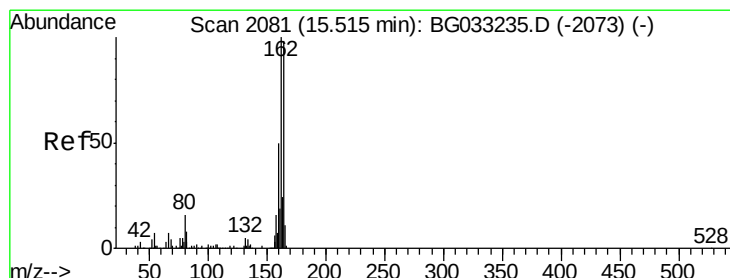
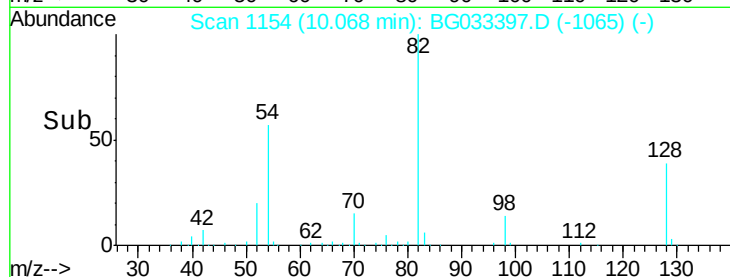
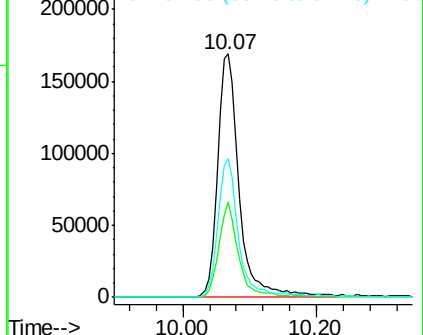
82 100

128 38.9 29.7 44.5

54 57.0 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

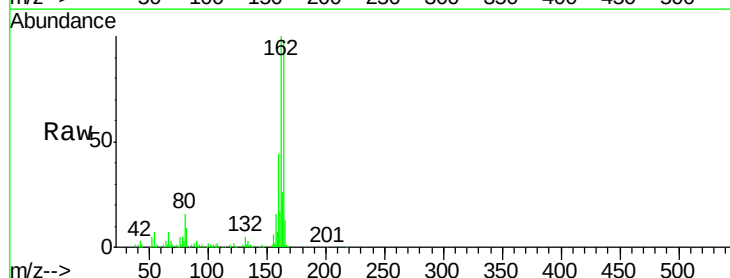
Tgt Ion: 164 Resp: 139879

Ion Ratio Lower Upper

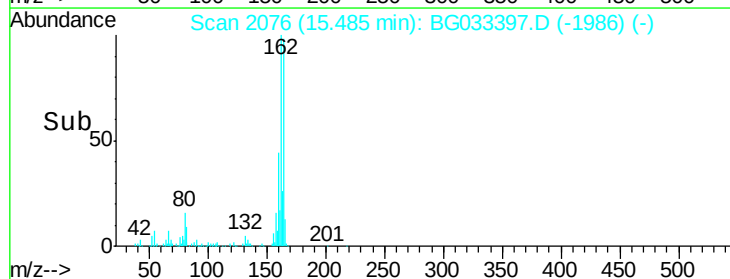
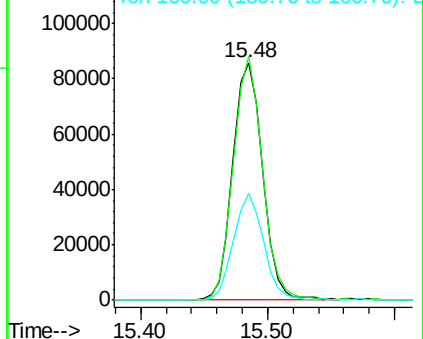
164 100

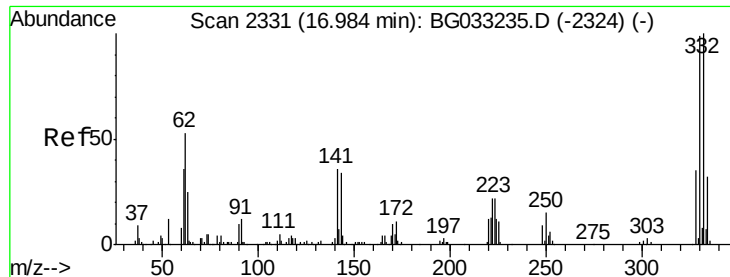
162 102.5 78.8 118.2

160 44.8 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

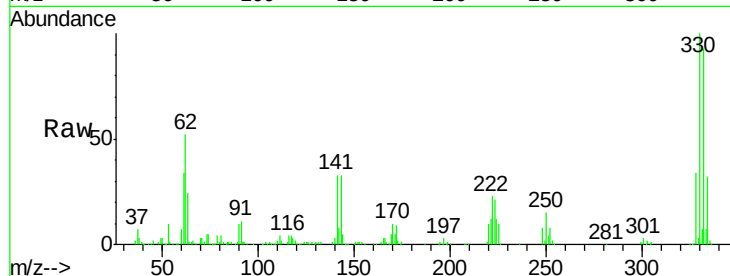




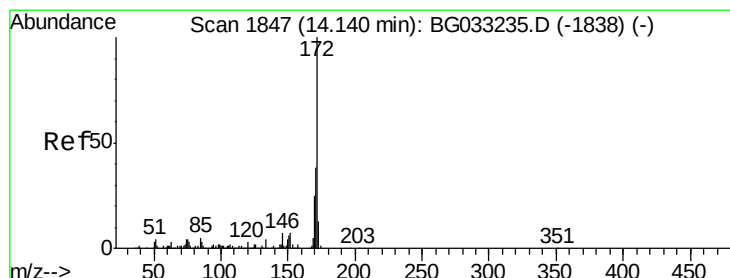
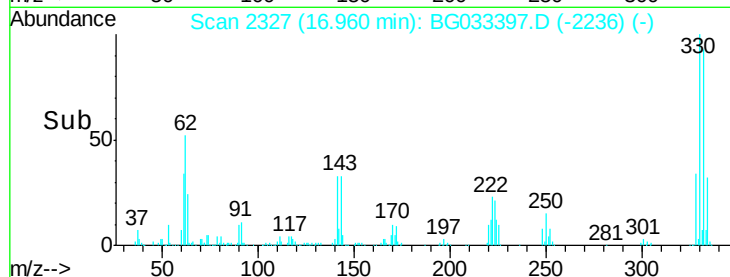
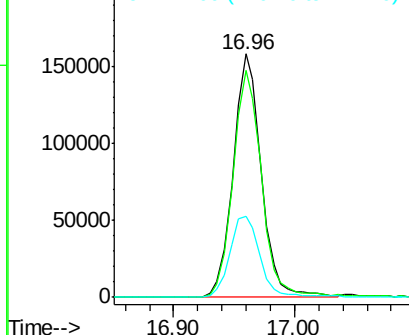
#41
 2,4,6-Tribromophenol
 Concen: 122.77 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: BG033397.D
 Acq: 28 Mar 2018 22:06

Instrument :
 BNA_G
 ClientSampleId :
 LIP-16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	35.6	25.2	37.8

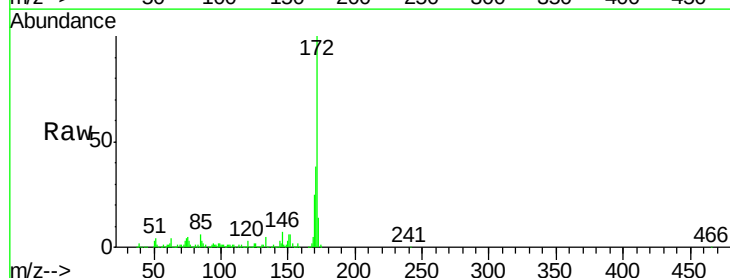


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

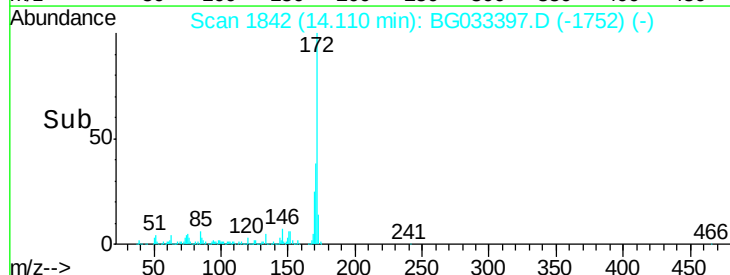
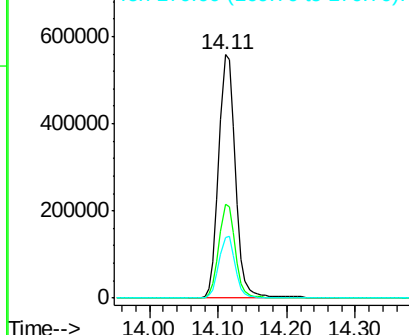


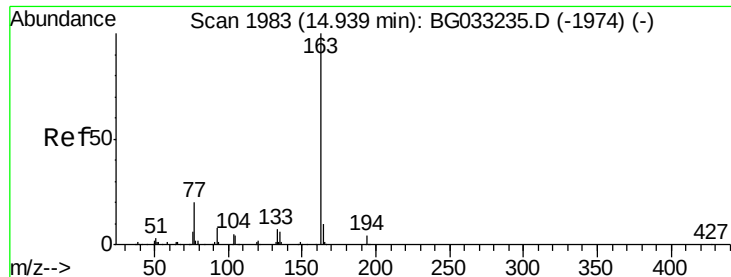
#44
 2-Fluorobiphenyl
 Concen: 97.87 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033397.D
 Acq: 28 Mar 2018 22:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	25.1	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





#49

Dimethylphthalate

Concen: 2.17 ng

RT: 14.90 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

Instrument :

BNA_G

ClientSampleId :

LIP-16

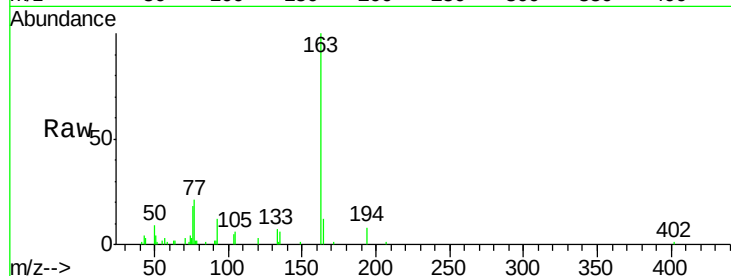
Tgt Ion:163 Resp: 26394

Ion Ratio Lower Upper

163 100

194 8.3 3.4 5.2#

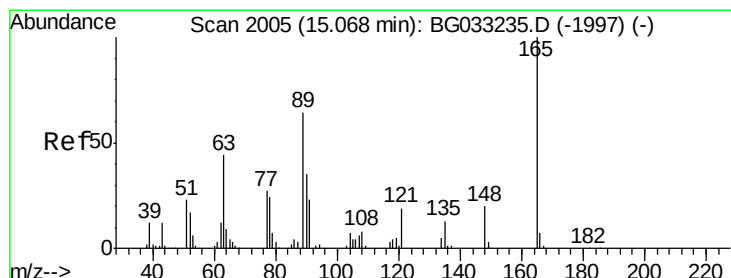
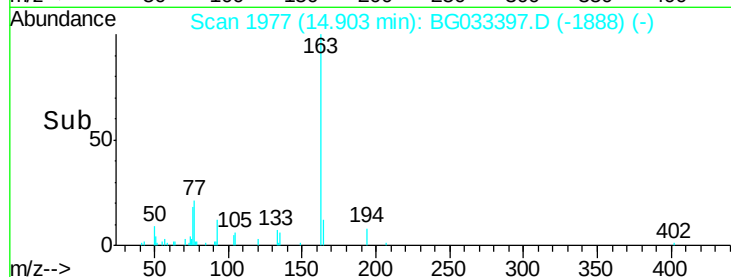
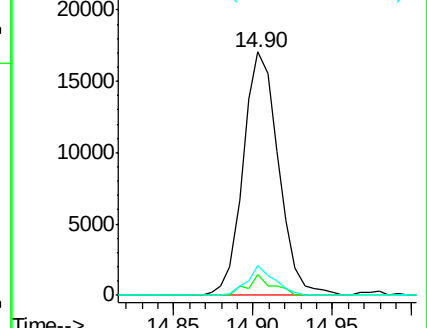
164 12.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.14 ng

RT: 15.48 min Scan# 2076

Delta R.T. 0.44 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

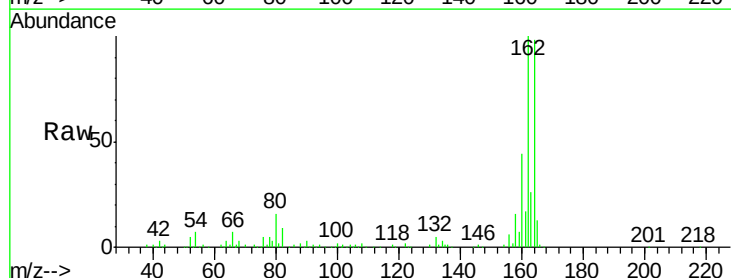
Tgt Ion:165 Resp: 17769

Ion Ratio Lower Upper

165 100

63 2.0 52.7 79.1#

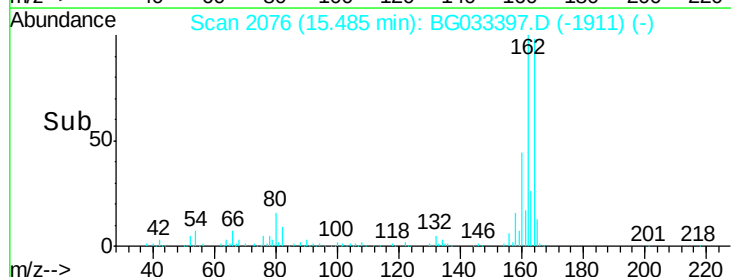
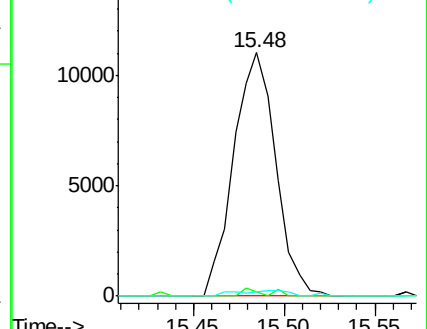
89 1.6 49.2 73.8#

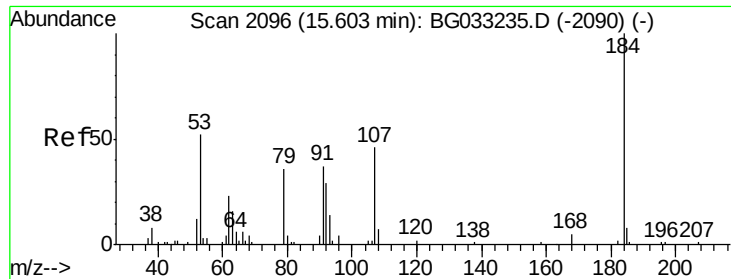


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

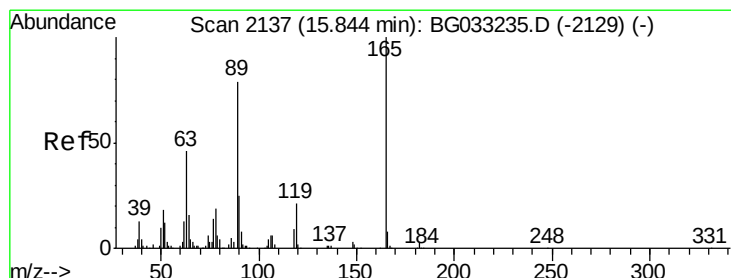
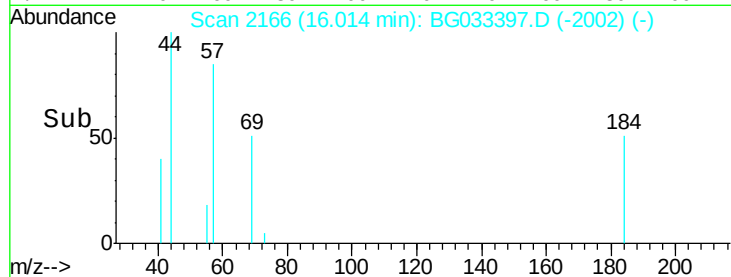
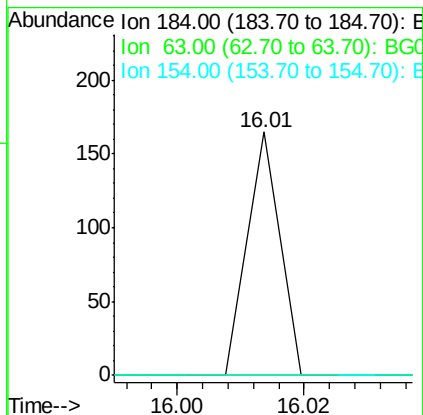
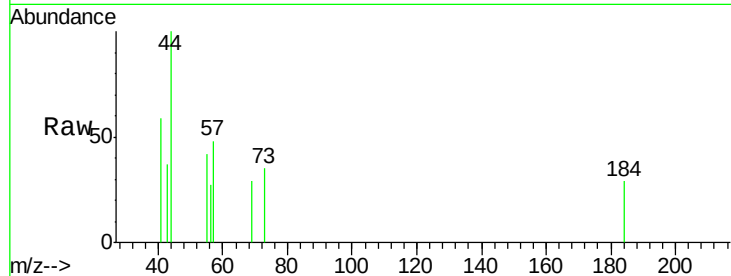




#53
2,4-Dinitrophenol
Concen: 7.68 ng
RT: 16.01 min Scan# 2166
Delta R.T. 0.43 min
Lab File: BG033397.D
Acq: 28 Mar 2018 22:06

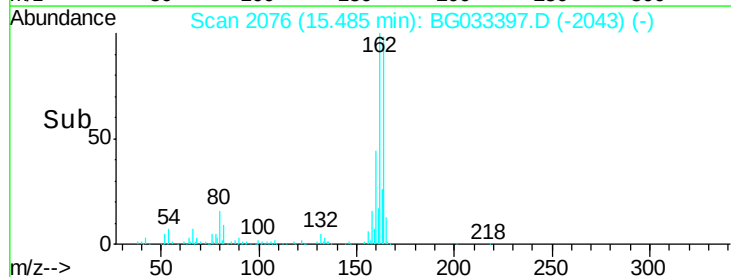
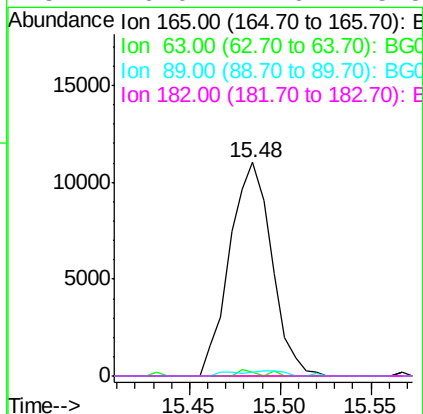
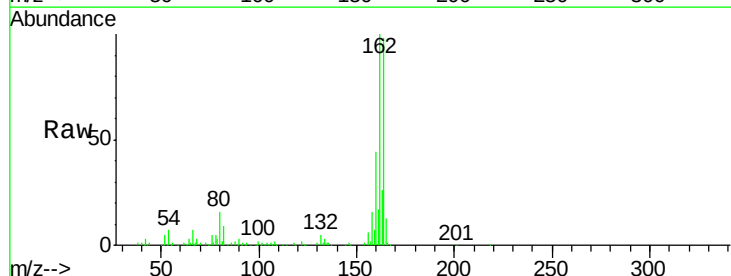
Instrument :
BNA_G
ClientSampleId :
LIP-16

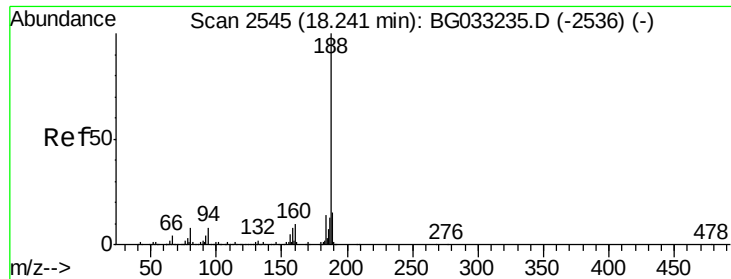
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 4.85 ng
RT: 15.48 min Scan# 2076
Delta R.T. -0.34 min
Lab File: BG033397.D
Acq: 28 Mar 2018 22:06

Tgt Ion:165 Resp: 17769
Ion Ratio Lower Upper
165 100
63 2.0 42.0 63.0#
89 1.6 66.9 100.3#
182 0.0 2.6 3.8#

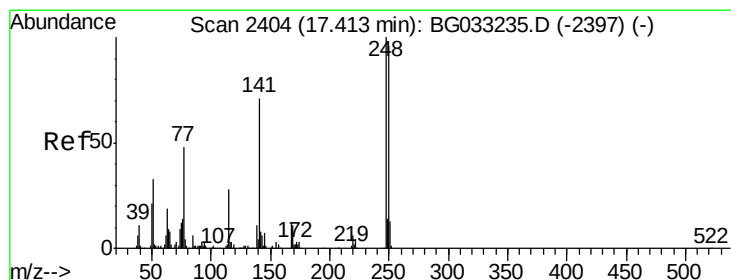
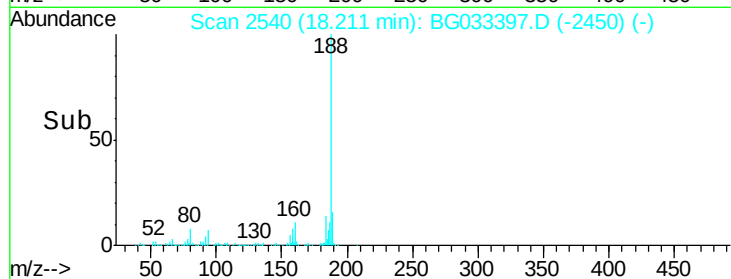
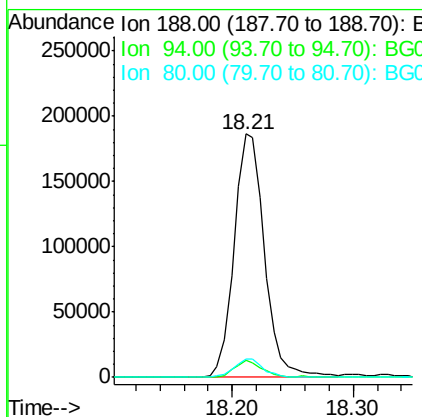
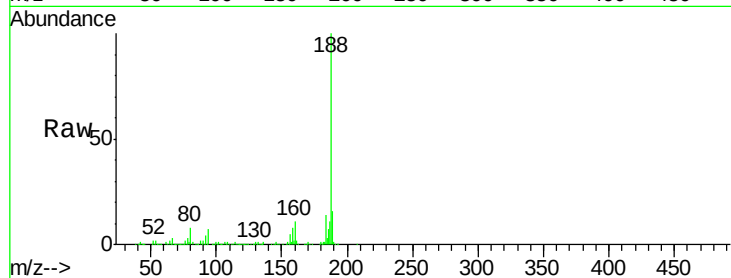




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033397.D
Acq: 28 Mar 2018 22:06

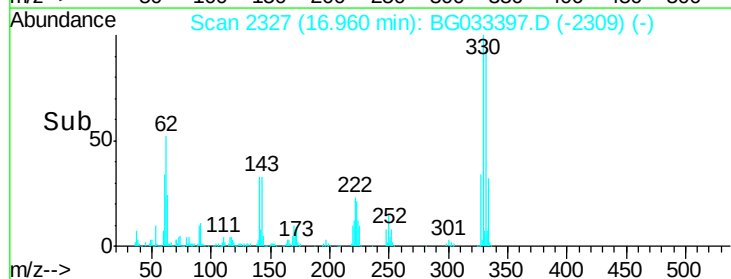
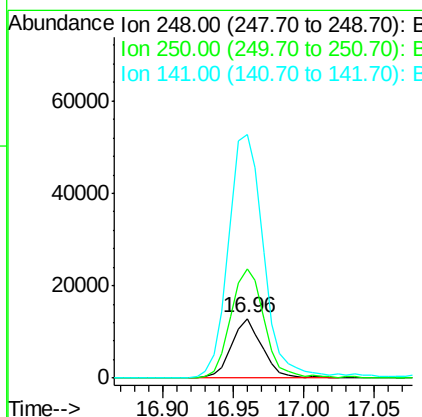
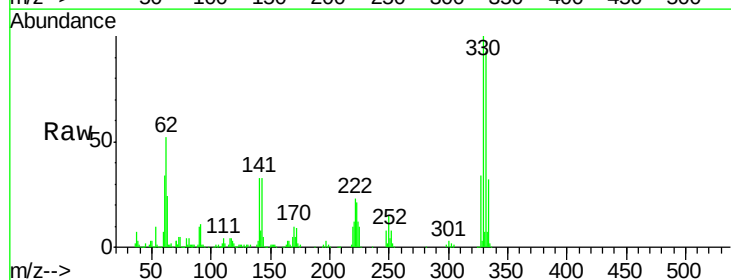
Instrument :
BNA_G
ClientSampled :
LIP-16

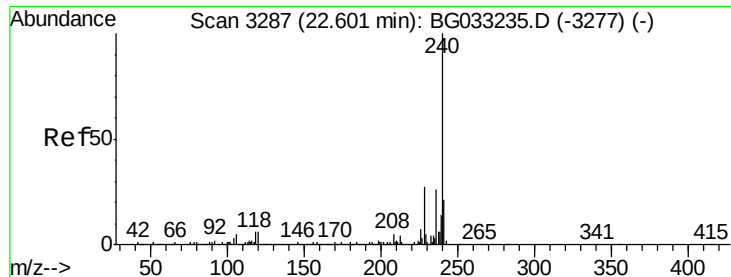
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	7.8	7.7	11.5



#66
4-Bromophenyl-phenylether
Concen: 5.07 ng
RT: 16.96 min Scan# 2327
Delta R.T. -0.43 min
Lab File: BG033397.D
Acq: 28 Mar 2018 22:06

Tgt Ion	Ratio	Lower	Upper
248	100		
250	184.2	77.1	115.7#
141	409.1	50.8	76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

Instrument :

BNA_G

ClientSampleId :

LIP-16

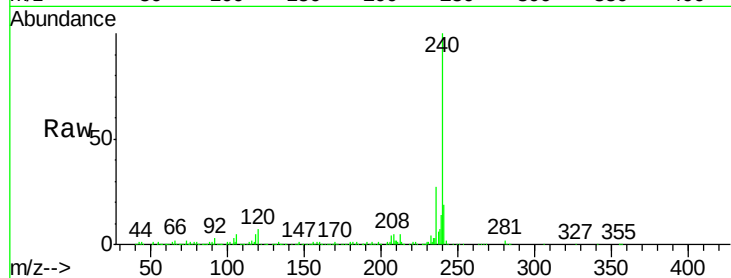
Tgt Ion:240 Resp: 339405

Ion Ratio Lower Upper

240 100

120 7.0 6.8 10.2

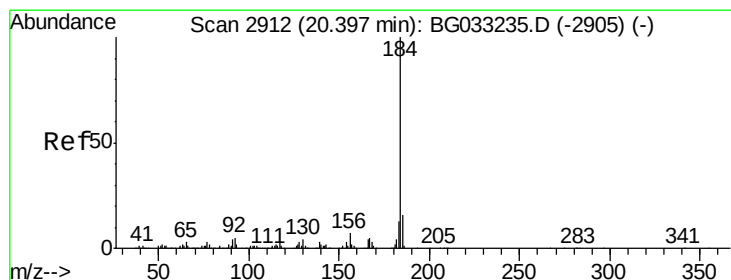
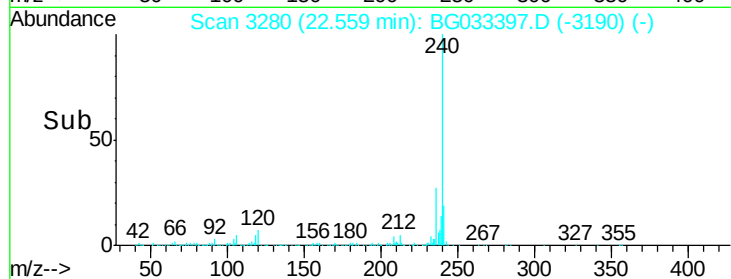
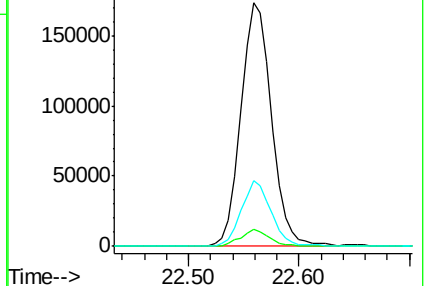
236 27.2 20.9 31.3



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: 2.76 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

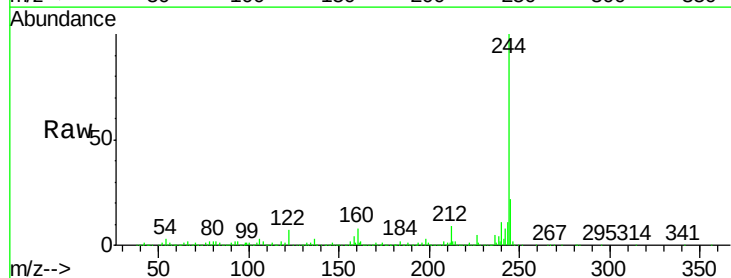
Tgt Ion:184 Resp: 25365

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

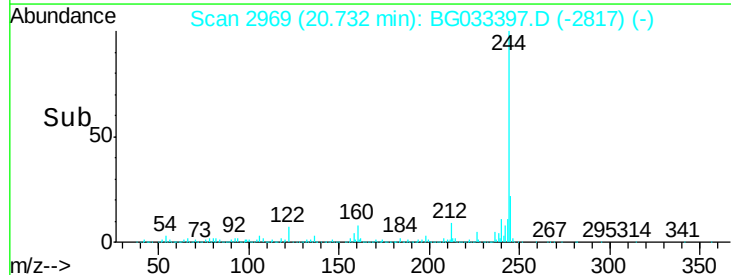
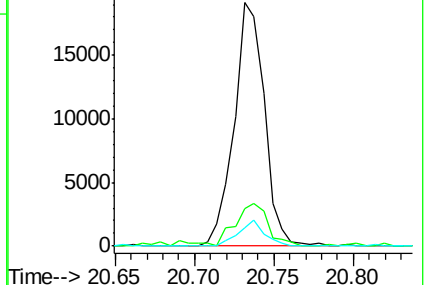
183 7.5 10.6 16.0#

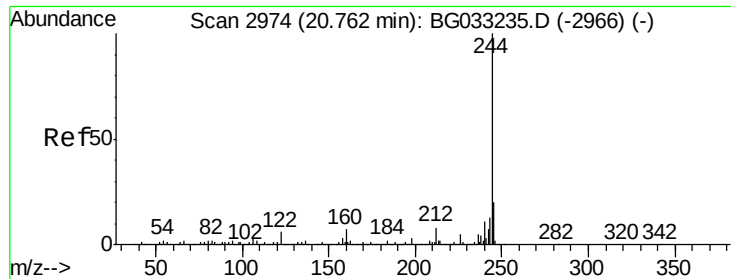


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.77 ng

RT: 20.74 min Scan# 2970

Delta R.T. 0.00 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

Instrument :

BNA_G

ClientSampleId :

LIP-16

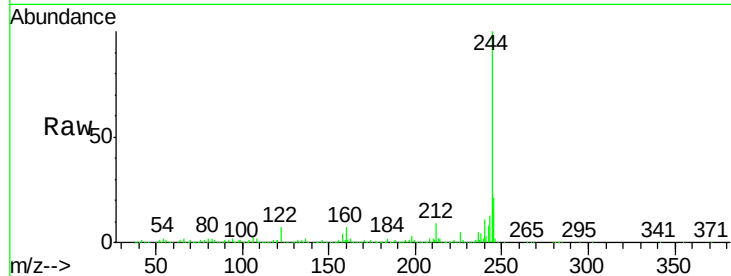
Tgt Ion:244 Resp: 1519974

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

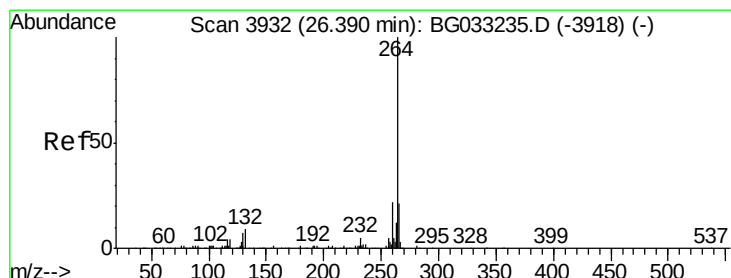
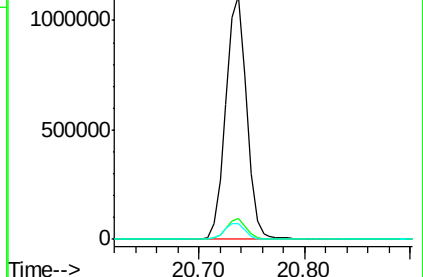
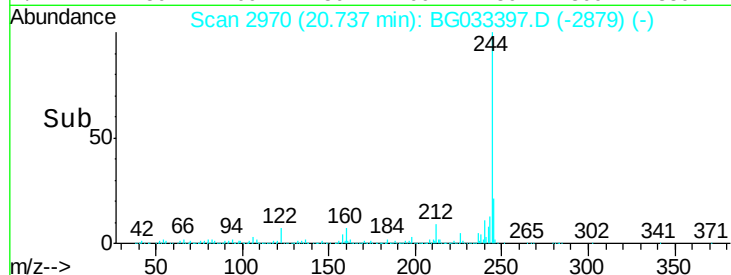
122 6.6 7.0 10.4#



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: 20.00 ng

RT: 26.33 min Scan# 3922

Delta R.T. -0.00 min

Lab File: BG033397.D

Acq: 28 Mar 2018 22:06

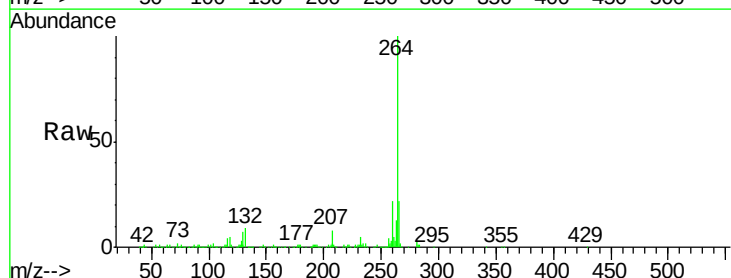
Tgt Ion:264 Resp: 370962

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.0

265 22.0 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

