

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033197.D
 Acq On : 16 Mar 2018 13:32
 Operator : SJ/JU
 Sample : J1913-02RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES-124029

Quant Time: Mar 17 05:18:20 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	35912	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	131995	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	96228	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	276342	20.00	ng	0.00
75) Chrysene-d12	22.60	240	313094	20.00	ng	0.00
86) Perylene-d12	26.40	264	332167	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	307556	137.01	ng	0.00
7) Phenol-d6	8.00	99	407484	130.24	ng	-0.01
23) Nitrobenzene-d5	10.10	82	328569	162.51	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	245807	242.94	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	731946	109.70	ng	0.00
78) Terphenyl-d14	20.76	244	1554684	111.56	ng	0.00

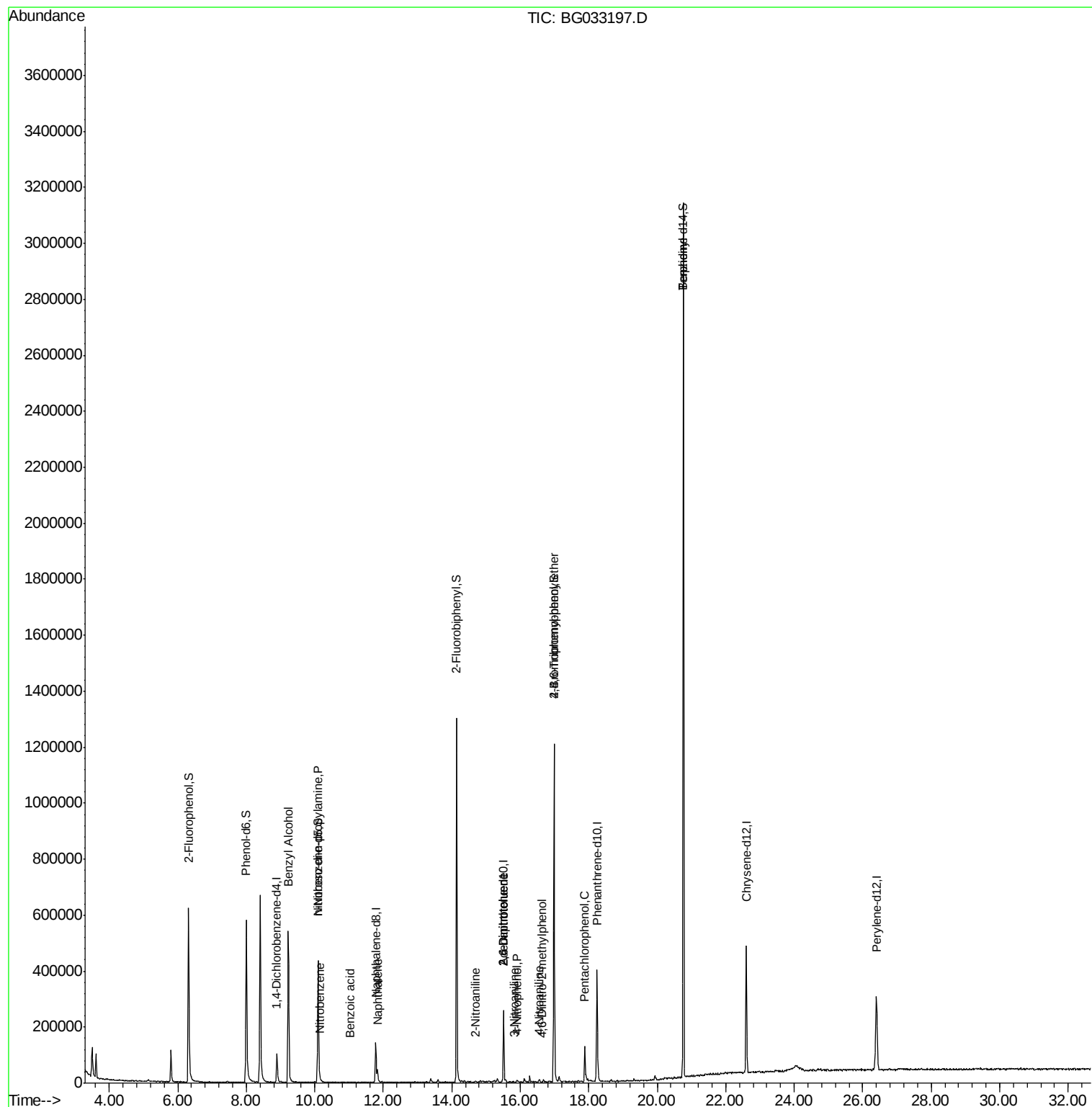
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	5693	2.475	ng	# 42
19) n-Nitroso-di-n-propylamine	10.10	70	44976	20.362	ng	# 76
24) Nitrobenzene	10.16	77	122	6.431	ng	# 42
31) Naphthalene	11.83	128	39032	5.659	ng	# 96
32) Benzoic acid	11.04	122	67	5.880	ng	# 58
47) 2-Nitroaniline	14.70	65	53	9.862	ng	# 9
50) 2,6-Dinitrotoluene	15.51	165	12644	16.514	ng	# 21
52) 3-Nitroaniline	15.81	138	81	7.584	ng	# 1
55) 4-Nitrophenol	15.91	139	2349	8.681	ng	# 5
56) 2,4-Dinitrotoluene	15.51	165	12644	14.713	ng	# 19
61) 4-Nitroaniline	16.55	138	79	5.339	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.63	198	61	5.041	ng	# 29
66) 4-Bromophenyl-phenylether	16.99	248	18476	6.323	ng	# 1
69) Pentachlorophenol	17.88	266	30967	15.569	ng	# 95
76) Benzidine	20.76	184	26907	2.521	ng	# 93

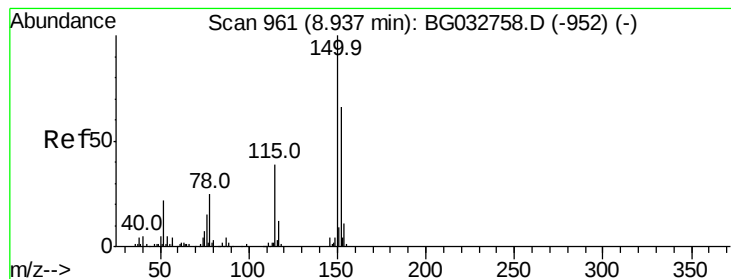
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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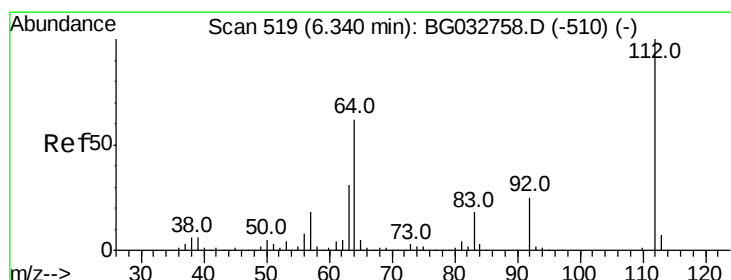
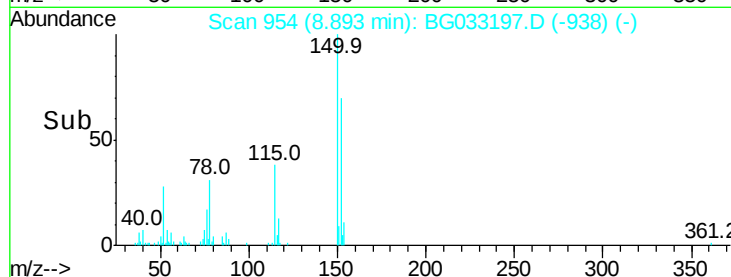
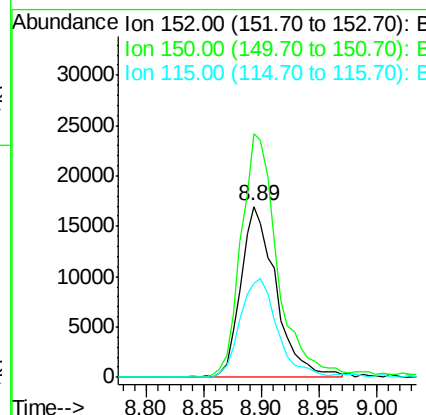
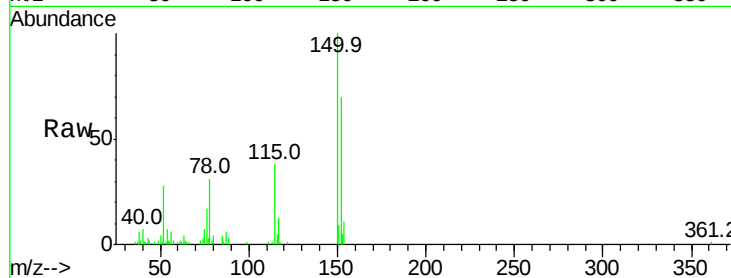


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Instrument :
BNA_G
ClientSampleId :
OILY-STONES-124029

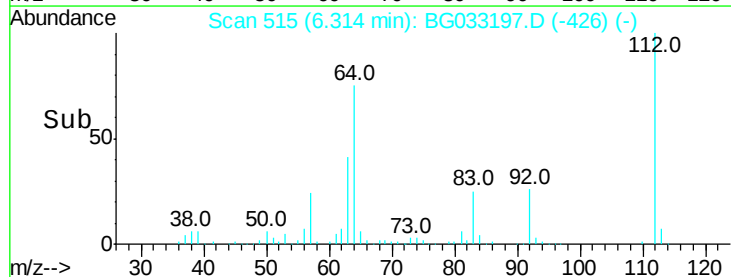
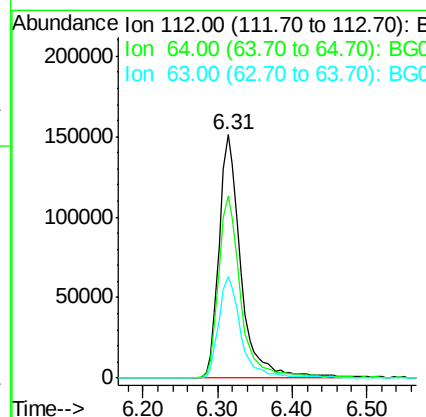
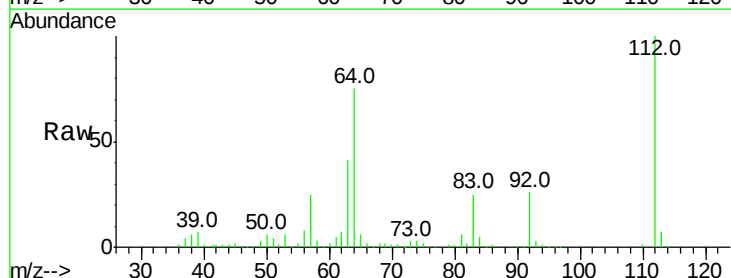
Tot Ion:152 Resp: 35912
Ion Ratio Lower Upper
152 100
150 142.2 126.6 189.8
115 54.7 53.0 79.4

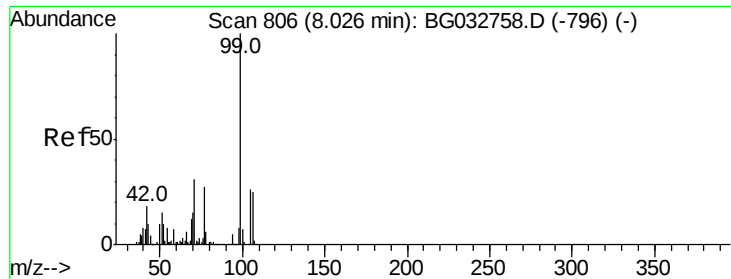


#5

2-Fluorophenol
Concen: 137.014 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Tgt Ion:112 Resp: 307556
Ion Ratio Lower Upper
112 100
64 74.7 56.3 84.5
63 41.4 30.1 45.1





#7

Phenol-d6

Concen: 130.236 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

Instrument :

BNA_G

ClientSampleId :

OILY-STONES-124029

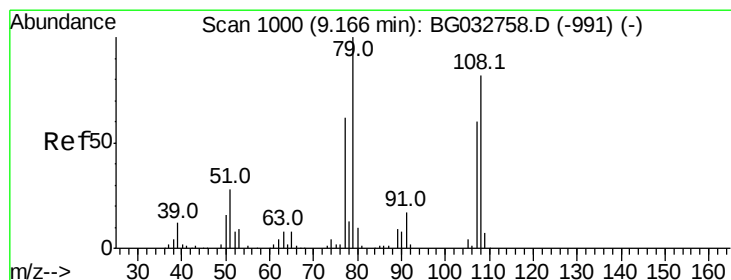
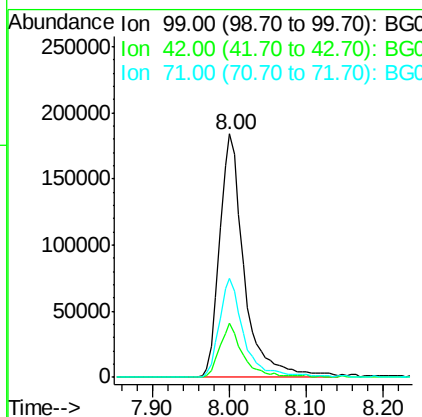
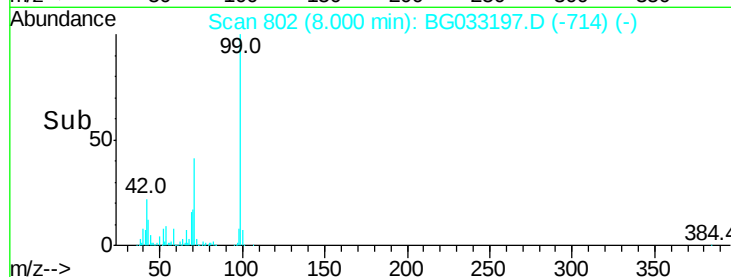
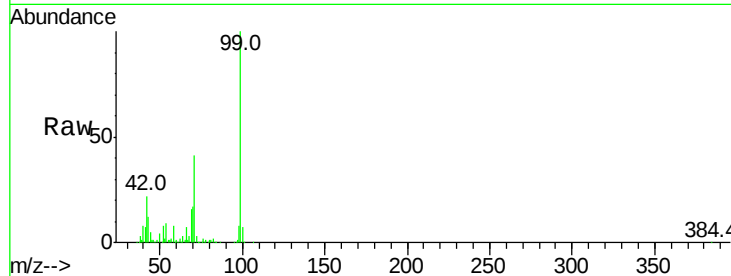
Tot Ion: 99 Resp: 407484

Ion Ratio Lower Upper

99 100

42 22.3 14.1 21.1#

71 40.8 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.475 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

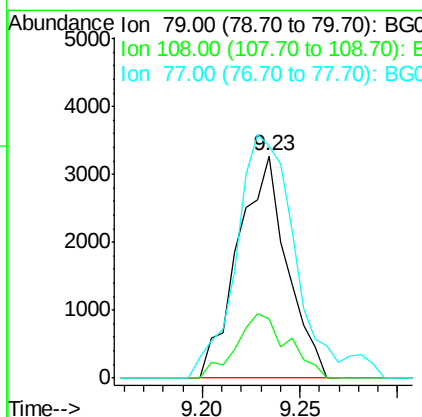
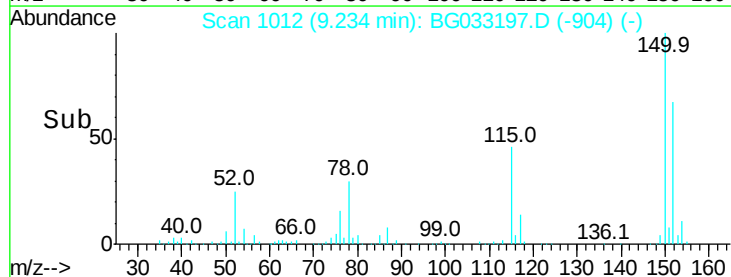
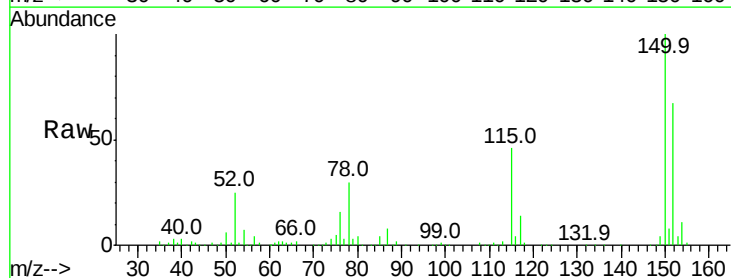
Tgt Ion: 79 Resp: 5693

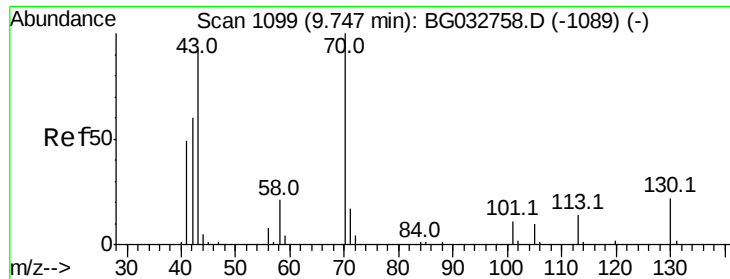
Ion Ratio Lower Upper

79 100

108 26.6 57.2 85.8#

77 104.6 46.1 69.1#

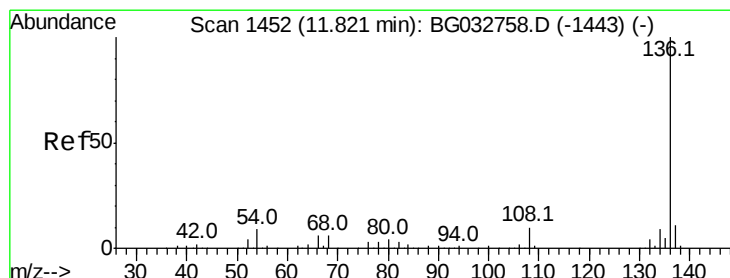
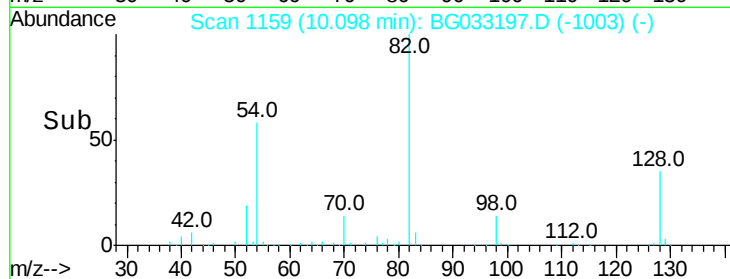
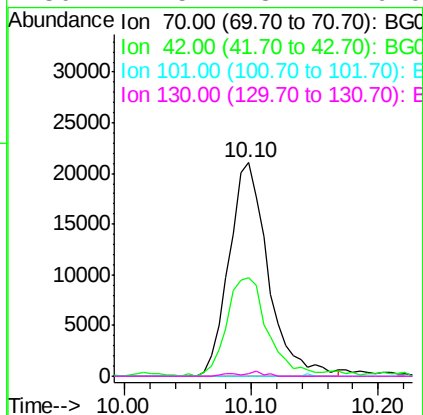
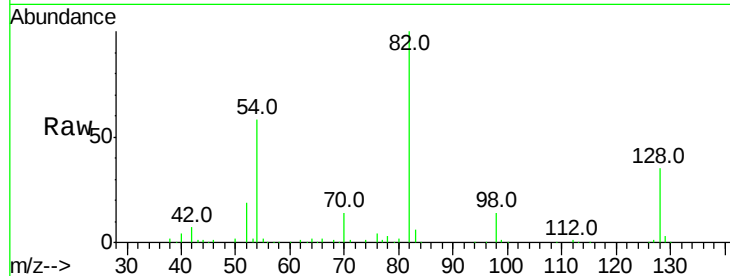




#19
n-Nitroso-di-n-propylamine
Concen: 20.362 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

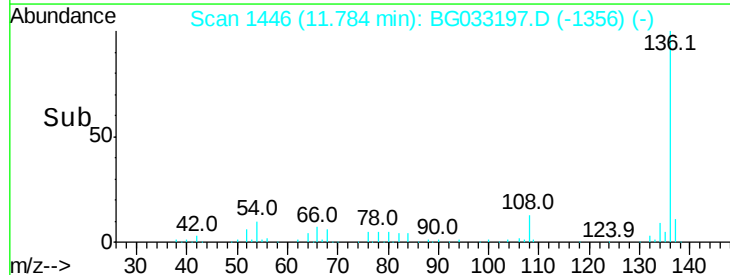
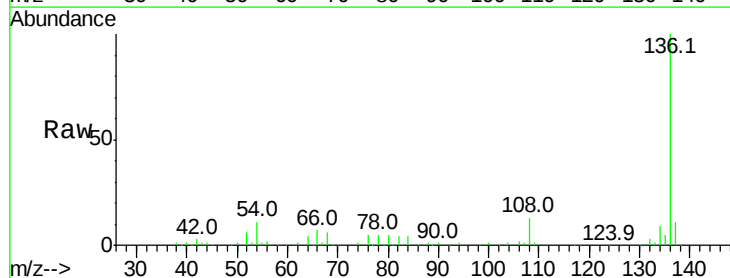
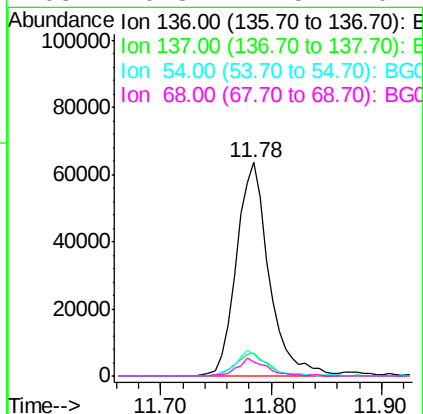
Instrument :
BNA_G
ClientSampleId :
OILY-STONES-124029

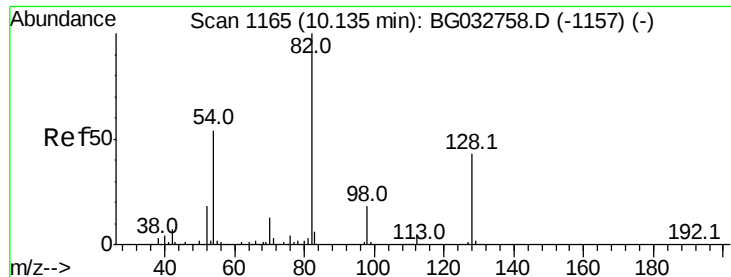
Tot Ion: 70 Resp: 44976
Ion Ratio Lower Upper
70 100
42 46.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.5 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Tgt Ion: 136 Resp: 131995
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 10.5 10.3 15.5
68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 162.510 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

Instrument :

BNA_G

ClientSampleId :

OILY-STONES-124029

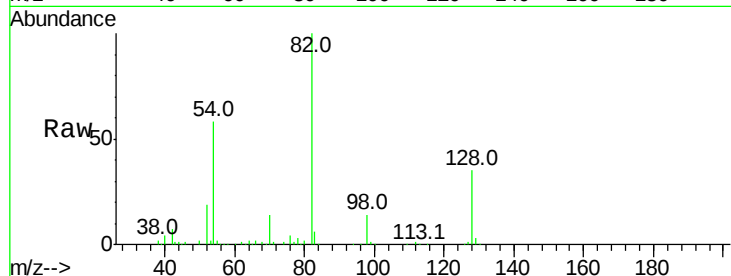
Tot Ion: 82 Resp: 328569

Ion Ratio Lower Upper

82 100

128 35.5 29.7 44.5

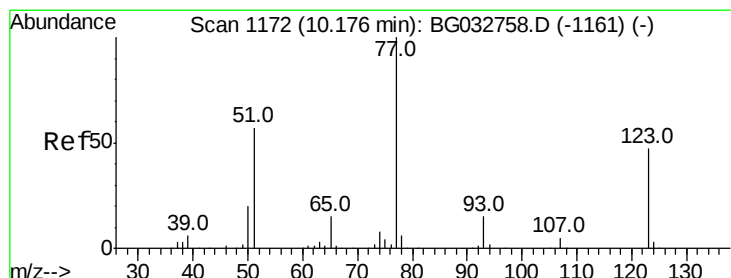
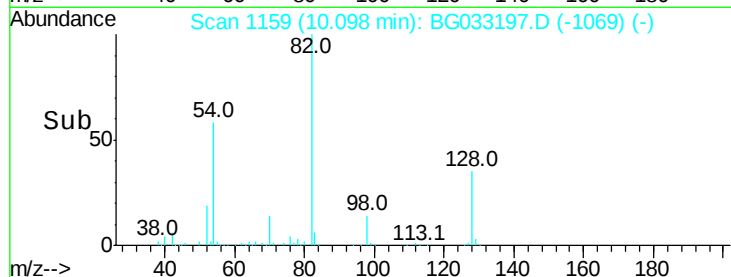
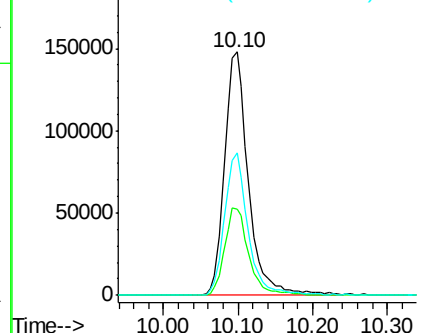
54 58.5 43.1 64.7



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



#24

Nitrobenzene

Concen: 6.431 ng

RT: 10.16 min Scan# 1170

Delta R.T. 0.02 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

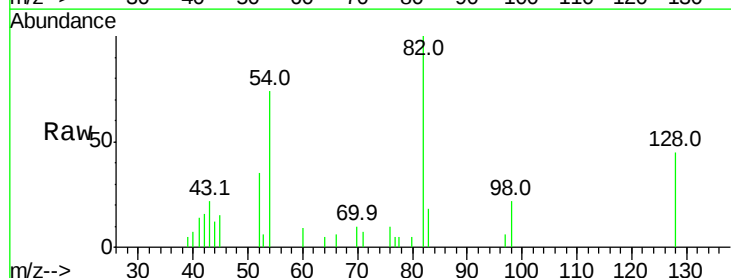
Tgt Ion: 77 Resp: 122

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

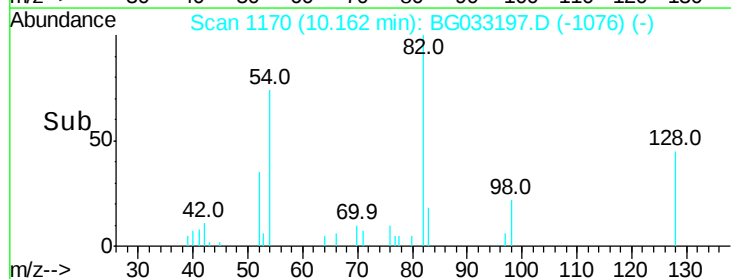
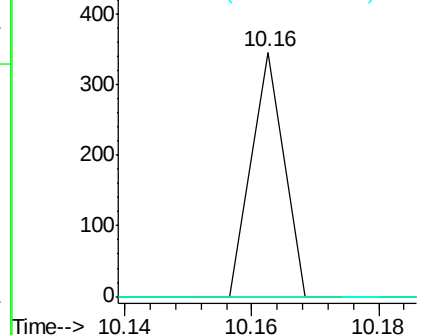
65 0.0 13.0 19.6#

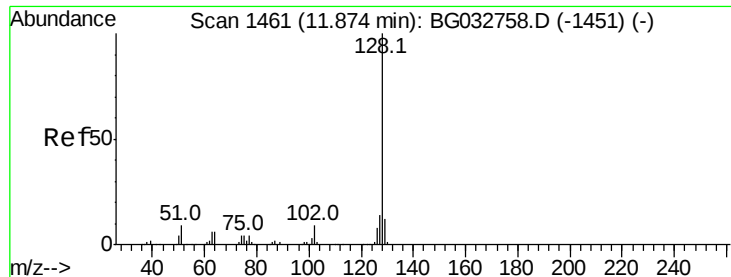


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#31

Naphthalene

Concen: 5.659 ng

RT: 11.83 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

Instrument :

BNA_G

ClientSampleId :

OILY-STONES-124029

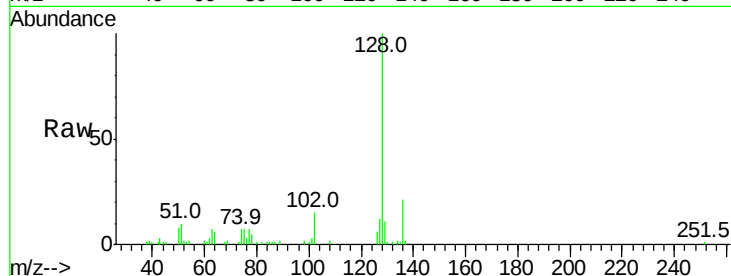
Tot Ion:128 Resp: 39032

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

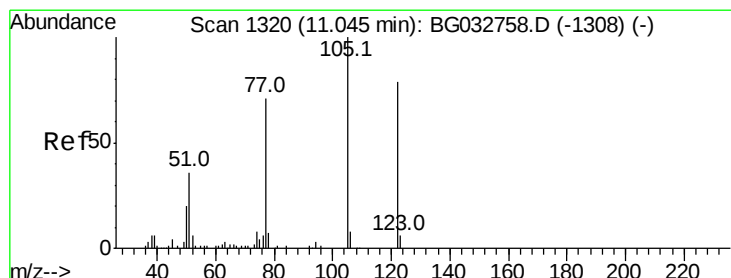
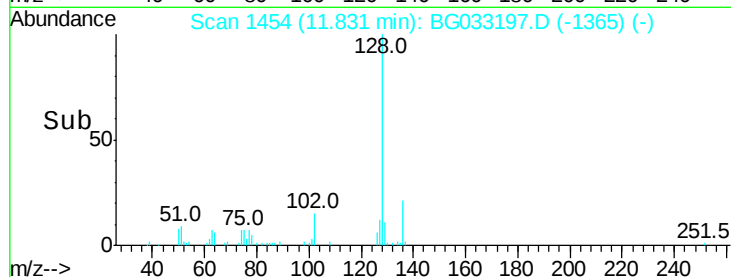
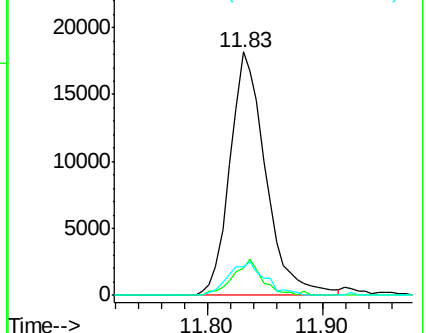
127 11.8 11.6 17.4



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



#32

Benzoic acid

Concen: 5.880 ng

RT: 11.04 min Scan# 1320

Delta R.T. 0.07 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

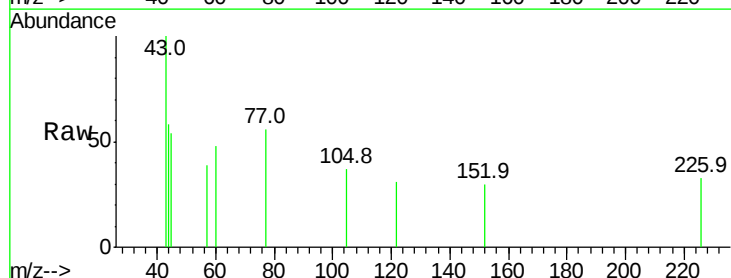
Tgt Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 119.4 123.5 163.5#

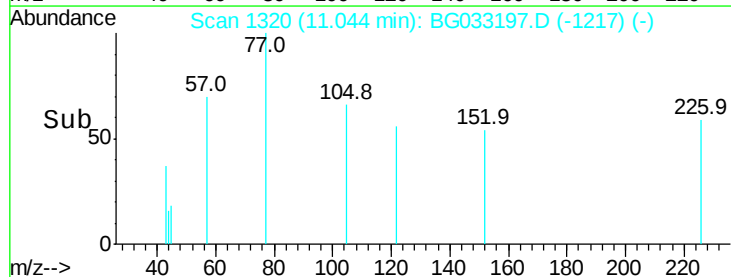
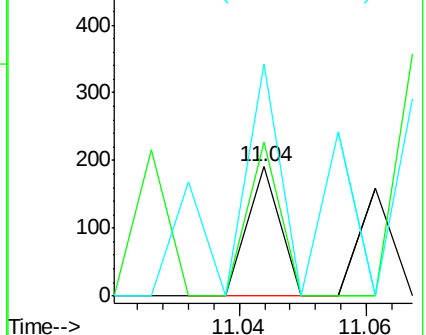
77 179.6 85.7 125.7#

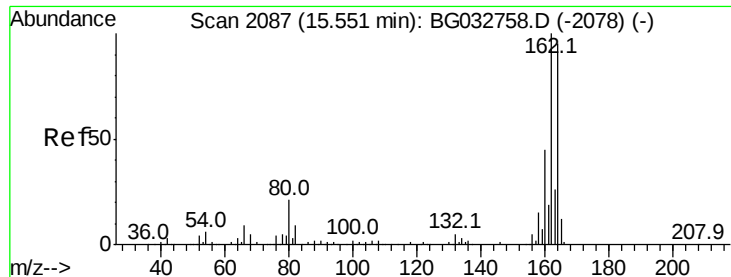


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

Instrument :

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ClientSampleId :

OILY-STONES-124029

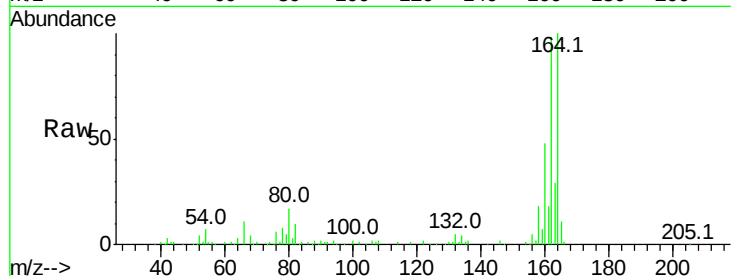
Tot Ion:164 Resp: 96228

Ion Ratio Lower Upper

164 100

162 97.5 78.8 118.2

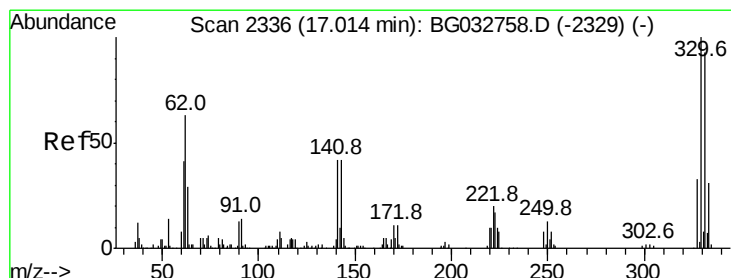
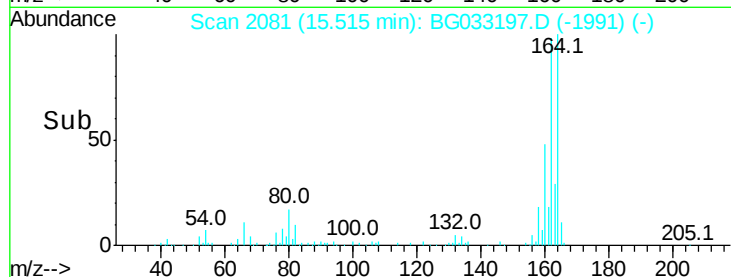
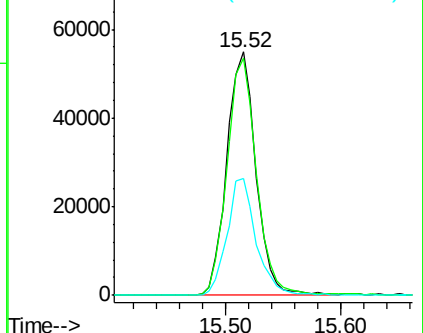
160 47.8 35.4 53.0



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: 242.939 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

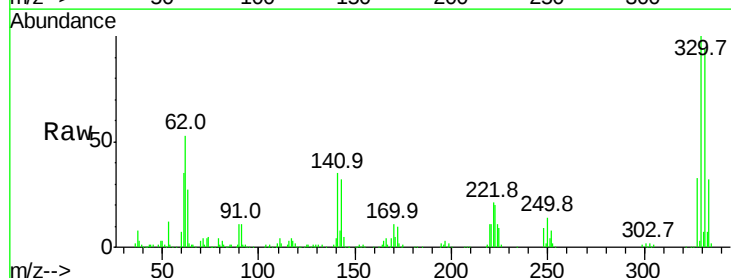
Tgt Ion:330 Resp: 245807

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

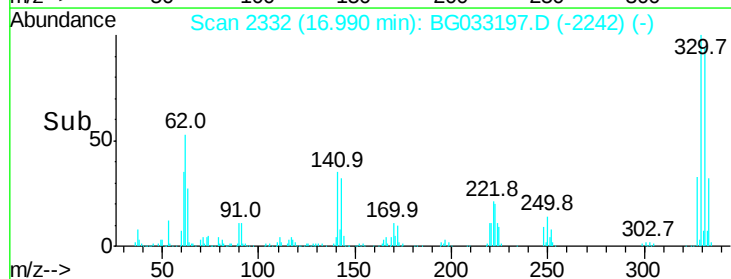
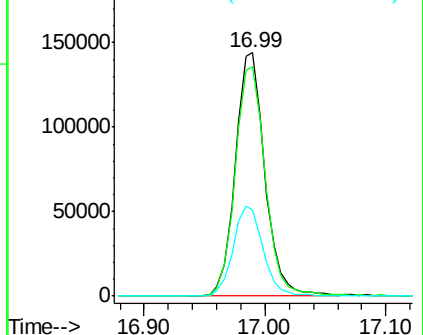
141 37.3 25.2 37.8

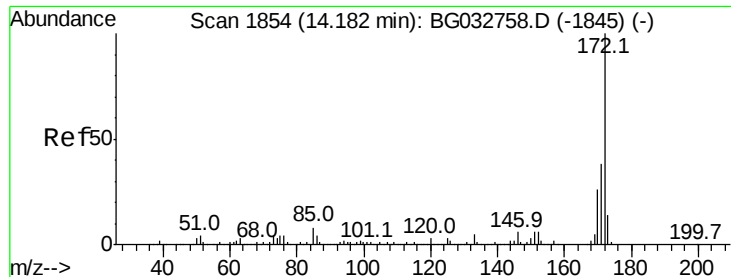


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

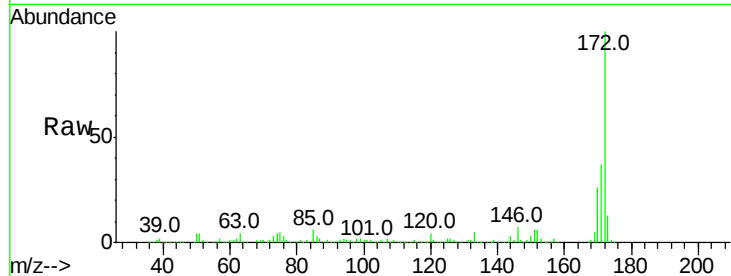




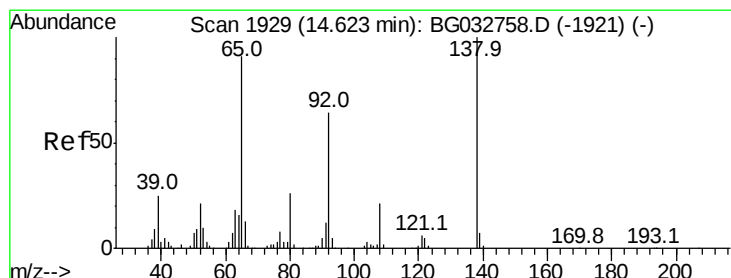
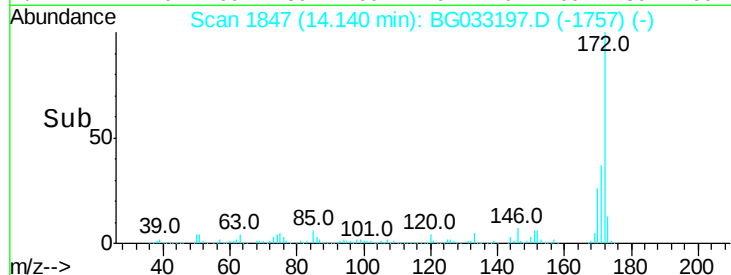
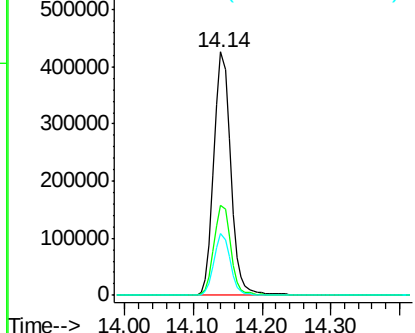
#44
 2-Fluorobiphenyl
 Concen: 109.703 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033197.D
 Acq: 16 Mar 2018 13:32

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES-124029

Tot Ion:172 Resp: 731946
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 25.6 19.5 29.3

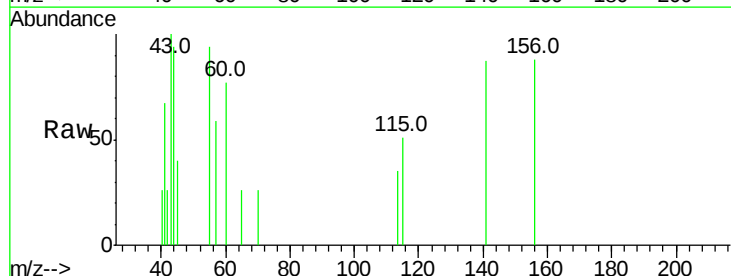


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

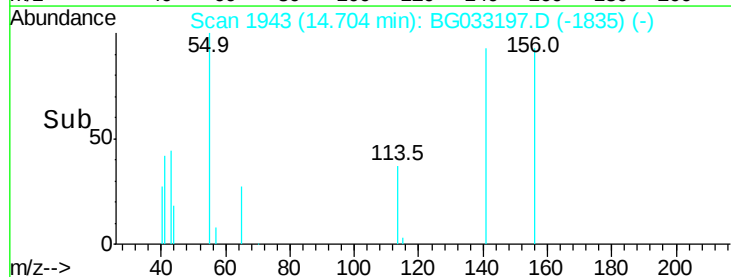
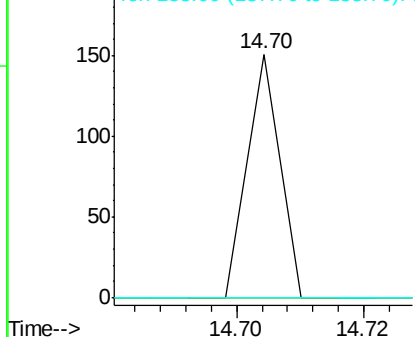


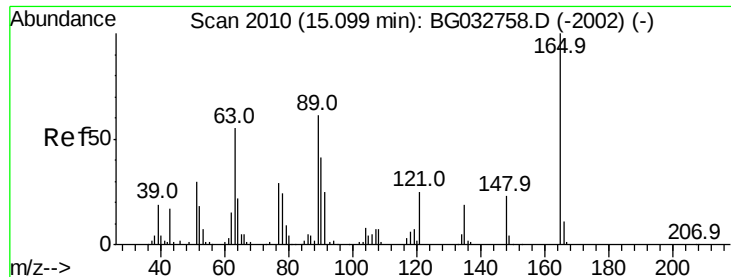
#47
 2-Nitroaniline
 Concen: 9.862 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.10 min
 Lab File: BG033197.D
 Acq: 16 Mar 2018 13:32

Tgt Ion: 65 Resp: 53
 Ion Ratio Lower Upper
 65 100
 92 0.0 54.6 82.0#
 138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E

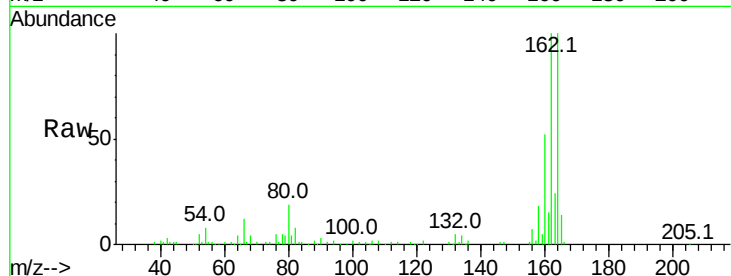




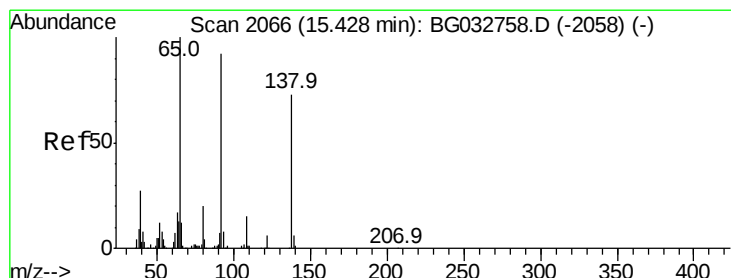
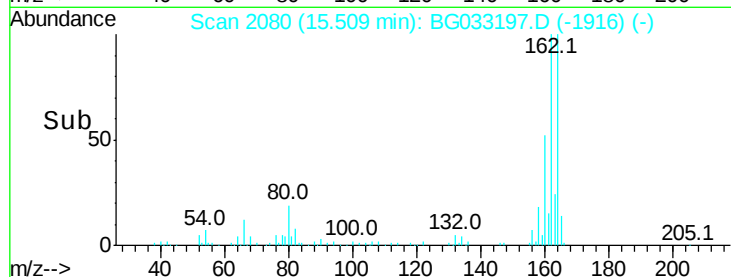
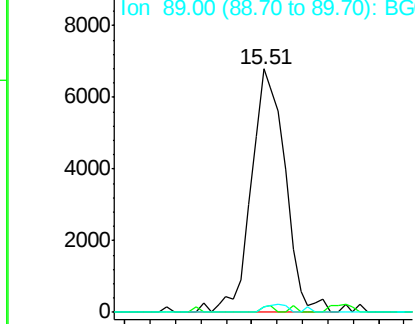
#50
 2,6-Dinitrotoluene
 Concen: 16.514 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.43 min
 Lab File: BG033197.D
 Acq: 16 Mar 2018 13:32

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES-124029

Tot Ion:165 Resp: 12644
 Ion Ratio Lower Upper
 165 100
 63 2.3 52.7 79.1#
 89 2.5 49.2 73.8#

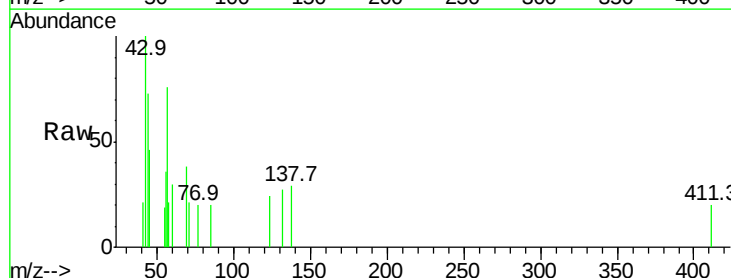


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

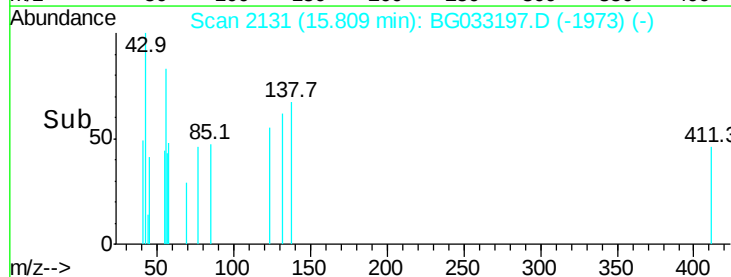
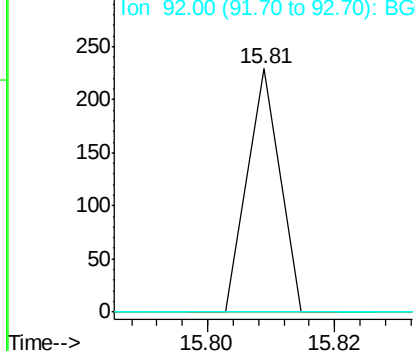


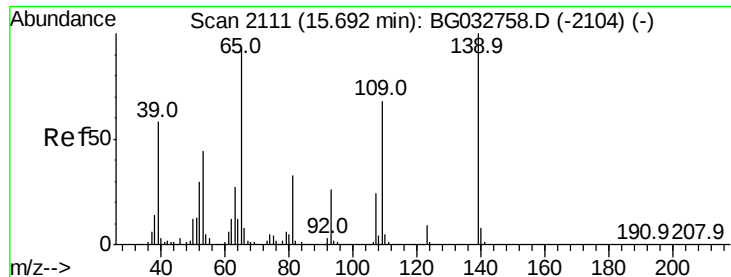
#52
 3-Nitroaniline
 Concen: 7.584 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. 0.40 min
 Lab File: BG033197.D
 Acq: 16 Mar 2018 13:32

Tgt Ion:138 Resp: 81
 Ion Ratio Lower Upper
 138 100
 108 0.0 17.5 26.3#
 92 0.0 105.8 158.8#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC

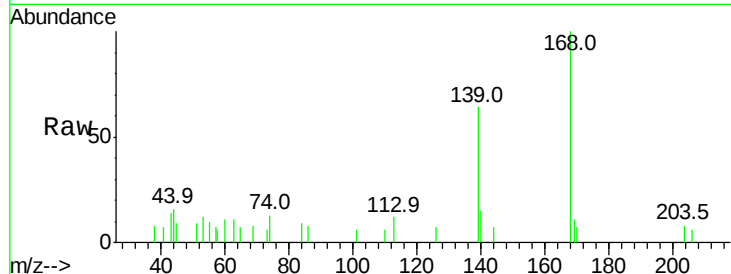




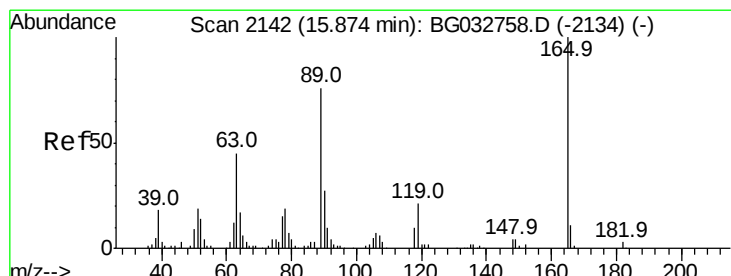
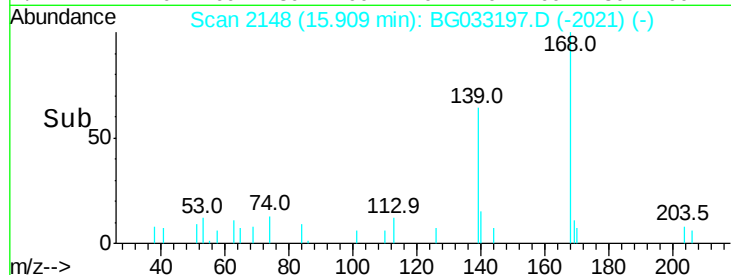
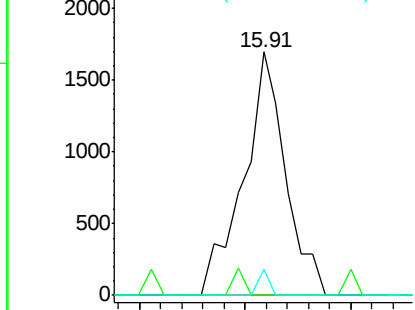
#55
4-Nitrophenol
Concen: 8.681 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.21 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Instrument :
BNA_G
ClientSampleId :
OILY-STONES-124029

Tot Ion:139 Resp: 2349
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 10.7 97.2 137.2#

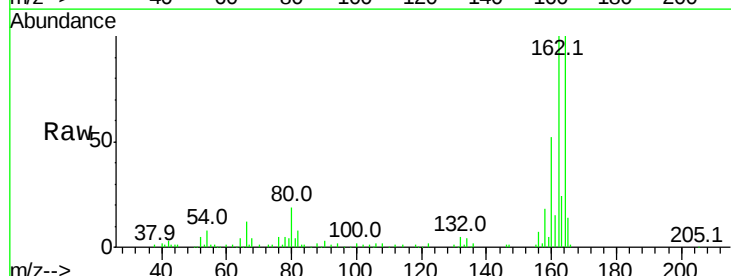


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

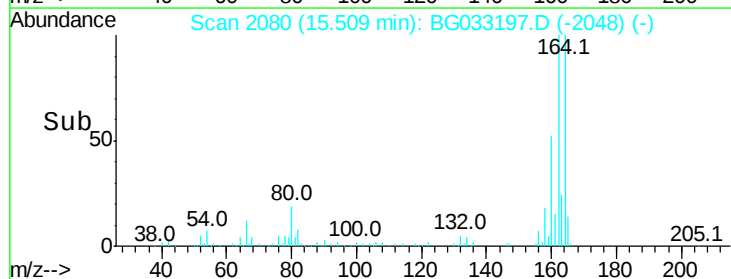
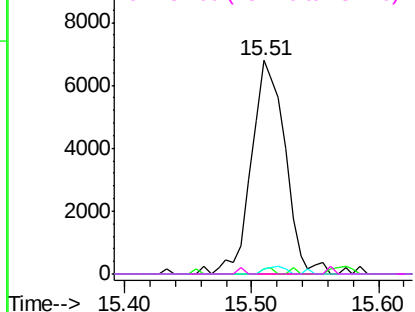


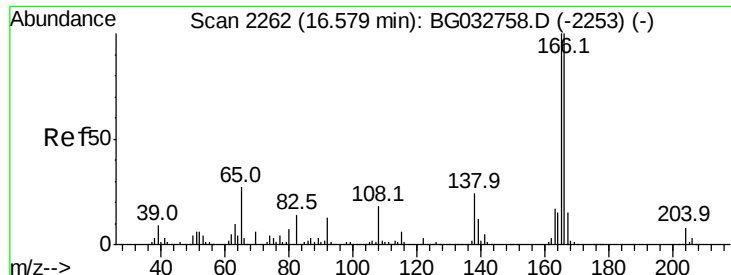
#56
2,4-Dinitrotoluene
Concen: 14.713 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Tgt Ion:165 Resp: 12644
Ion Ratio Lower Upper
165 100
63 2.3 42.0 63.0#
89 2.5 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

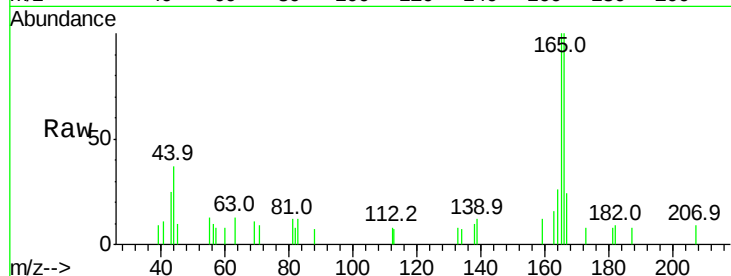




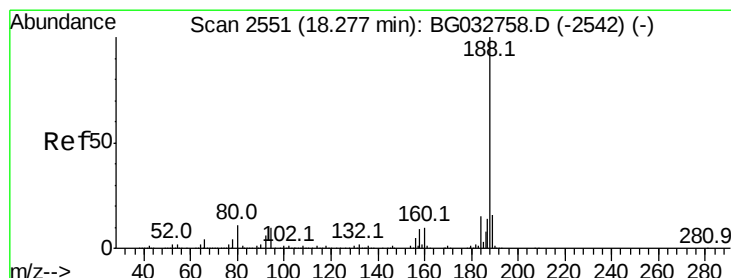
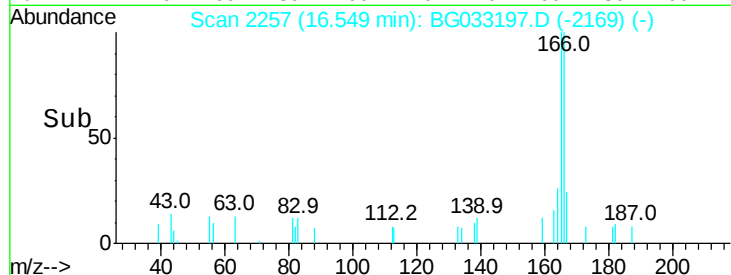
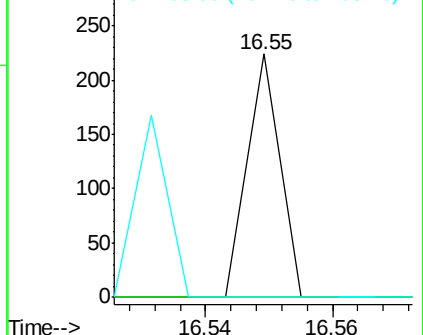
#61
4-Nitroaniline
Concen: 5.339 ng
RT: 16.55 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Instrument :
BNA_G
ClientSampleId :
OILY-STONES-124029

Tot Ion:138 Resp: 79
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

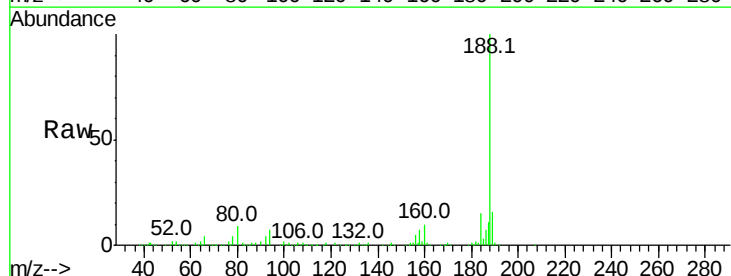


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

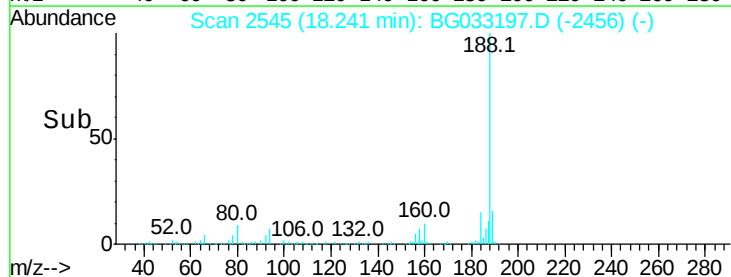
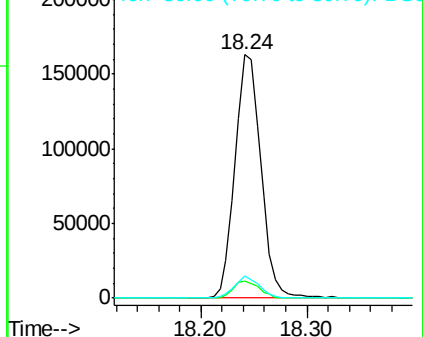


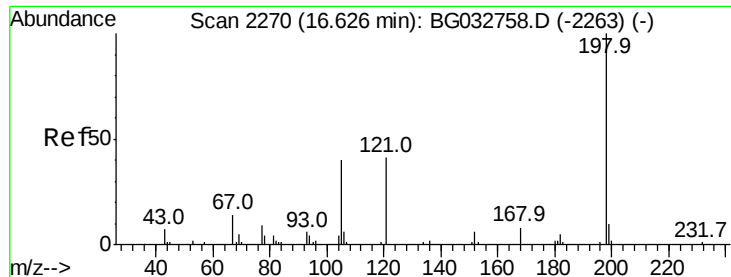
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Tgt Ion:188 Resp: 276342
Ion Ratio Lower Upper
188 100
94 6.9 6.9 10.3#
80 9.3 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

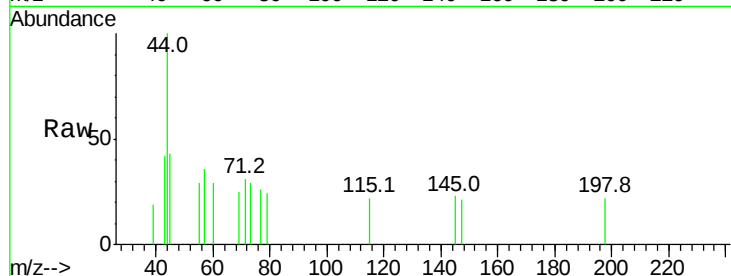




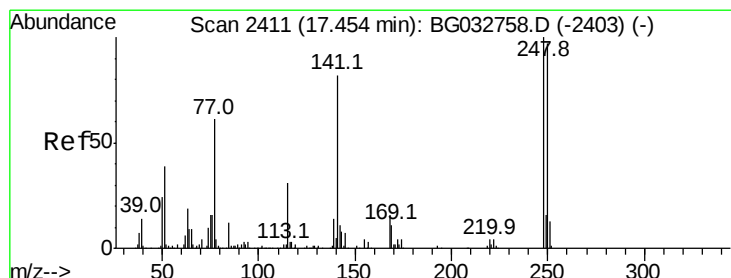
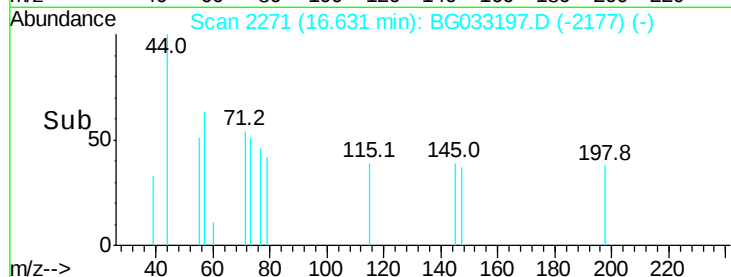
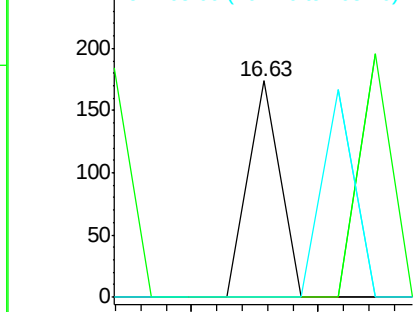
#64
4,6-Dinitro-2-methylphenol
Concen: 5.041 ng
RT: 16.63 min Scan# 2271
Delta R.T. 0.02 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Instrument :
BNA_G
ClientSampleId :
OILY-STONES-124029

Tot Ion:198 Resp: 61
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#

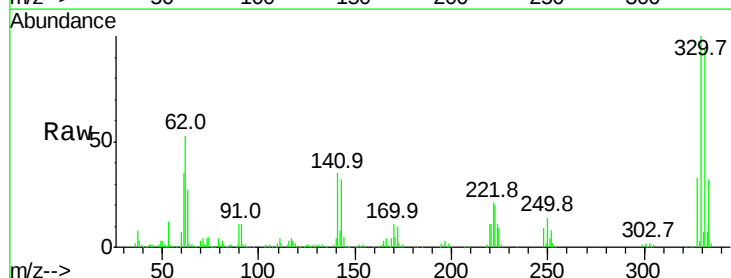


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

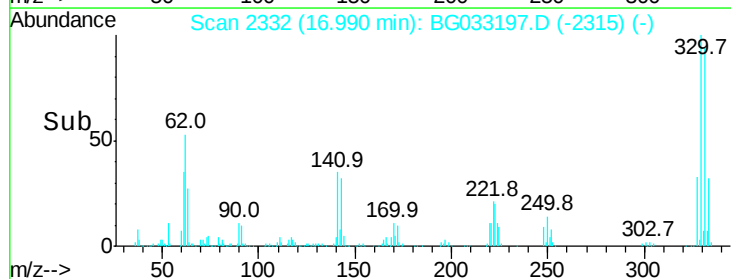
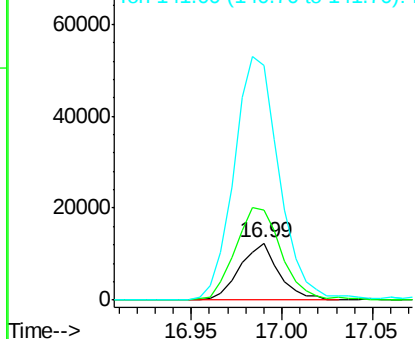


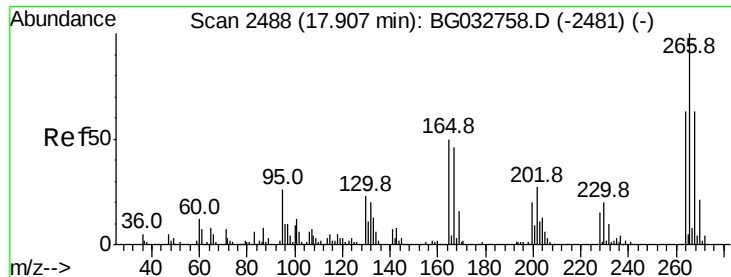
#66
4-Bromophenyl-phenylether
Concen: 6.323 ng
RT: 16.99 min Scan# 2332
Delta R.T. -0.43 min
Lab File: BG033197.D
Acq: 16 Mar 2018 13:32

Tgt Ion:248 Resp: 18476
Ion Ratio Lower Upper
248 100
250 157.0 77.1 115.7#
141 410.7 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

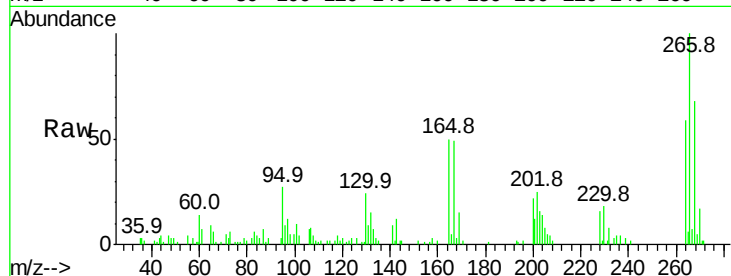




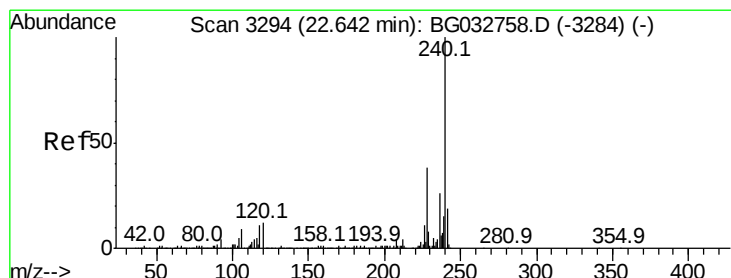
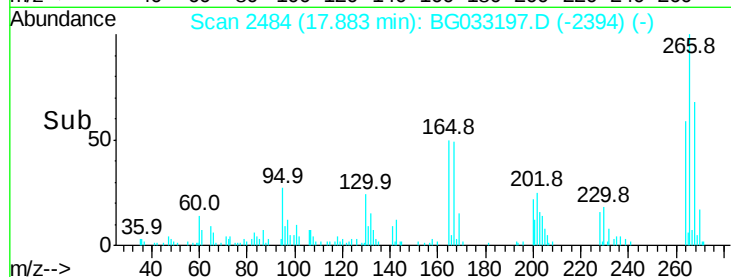
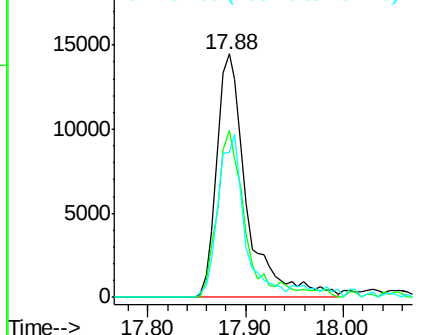
#69
 Pentachlorophenol
 Concen: 15.569 ng
 RT: 17.88 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BG033197.D
 Acq: 16 Mar 2018 13:32

Instrument :
 BNA_G
 ClientSampleId :
 OILY-STONES-124029

Tot Ion	Ratio	Lower	Upper
266	100		
268	68.4	51.1	76.7
264	59.4	49.6	74.4

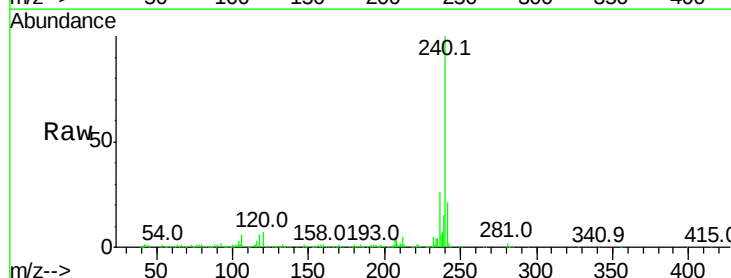


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

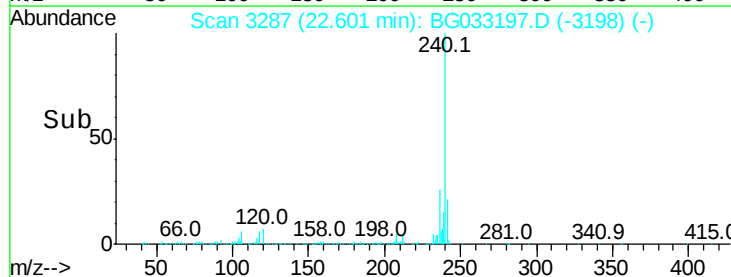
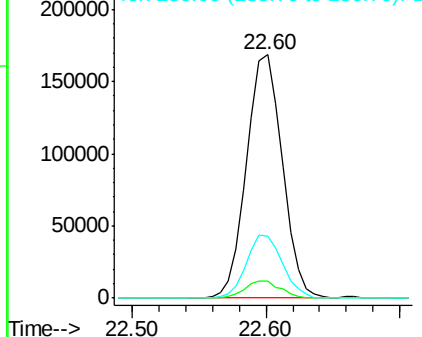


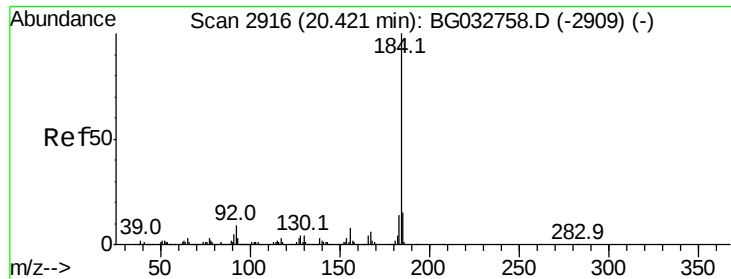
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033197.D
 Acq: 16 Mar 2018 13:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.8	10.2
236	25.6	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: 2.521 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

Instrument :

BNA_G

ClientSampleId :

OILY-STONES-124029

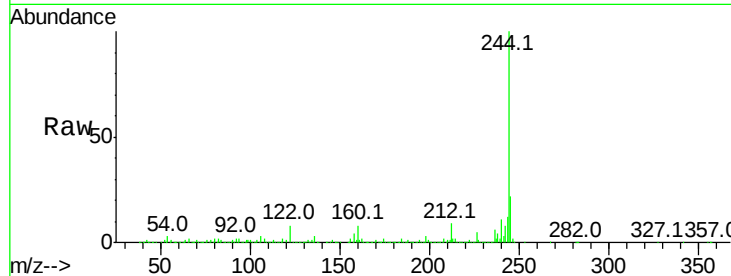
Tot Ion:184 Resp: 26907

Ion Ratio Lower Upper

184 100

185 14.6 11.1 16.7

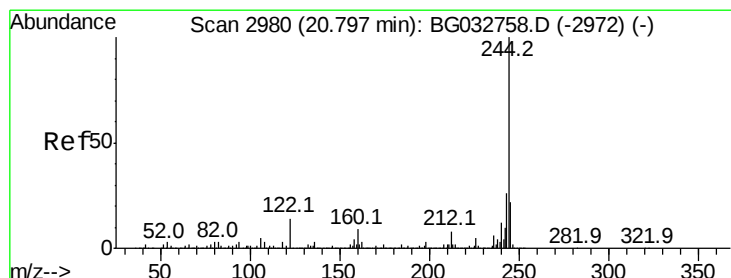
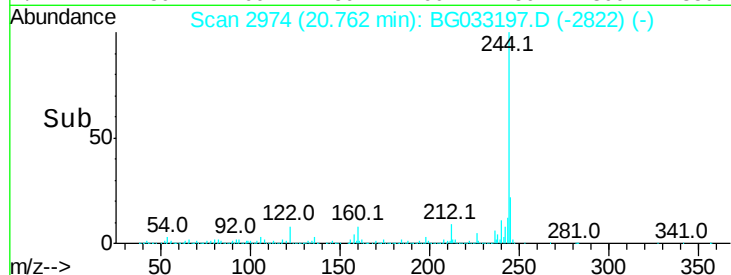
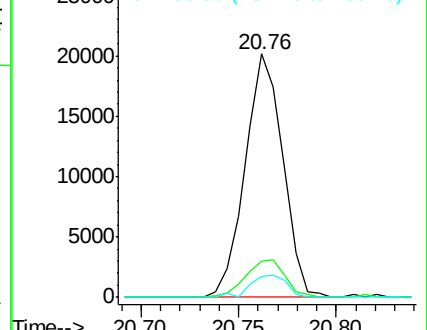
183 8.3 10.6 16.0#



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: 111.562 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

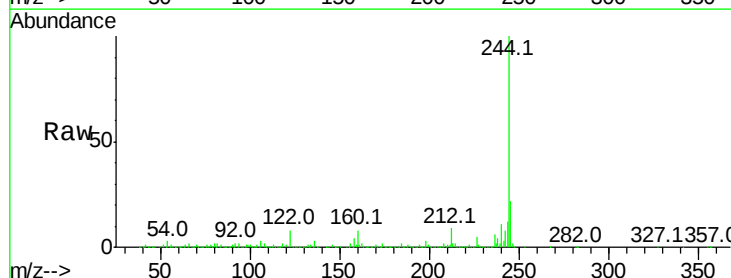
Tgt Ion:244 Resp: 1554684

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

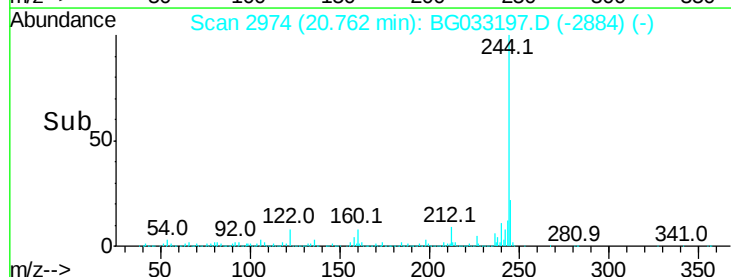
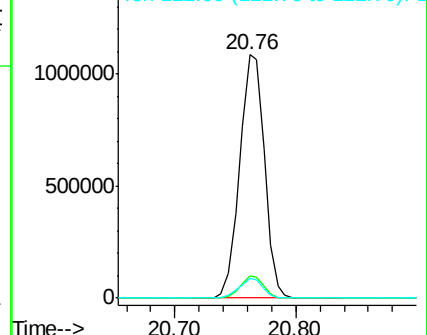
122 8.1 7.0 10.4

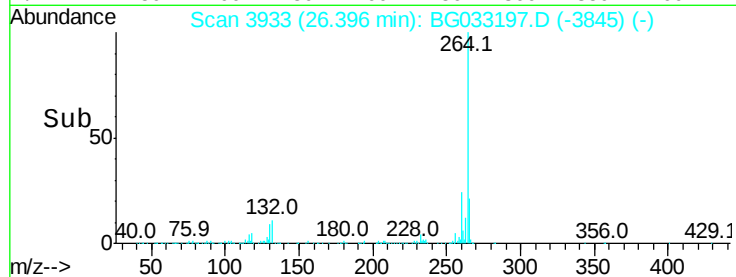
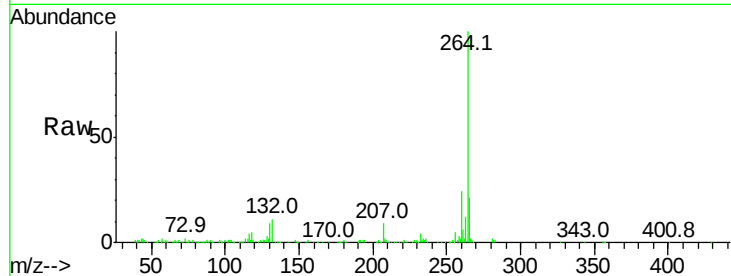
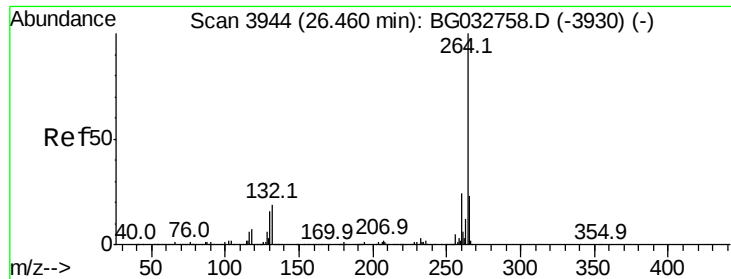


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.40 min Scan# 3933

Delta R.T. -0.01 min

Lab File: BG033197.D

Acq: 16 Mar 2018 13:32

Instrument :

BNA_G

ClientSampleId :

OILY-STONES-124029

Tot Ion:264 Resp: 332167

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 20.9 17.7 26.5

