

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
 Data File : BF109487.D
 Acq On : 1 Oct 2018 21:42
 Operator : JU/SJ
 Sample : J515154-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Quant Time: Oct 02 03:43:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	99765	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	358951	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	124593	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	153501	20.00	ng	0.02
75) Chrysene-d12	13.86	240	191717	20.00	ng	0.01
86) Perylene-d12	15.25	264	164264	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	734084	121.19	ng	0.01
7) Phenol-d6	6.36	99	913965	118.25	ng	0.00
23) Nitrobenzene-d5	7.27	82	568819	93.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	139809	113.83	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	950531	115.06	ng	-0.01
78) Terphenyl-d14	12.82	244	589221	75.43	ng	0.02

Target Compounds

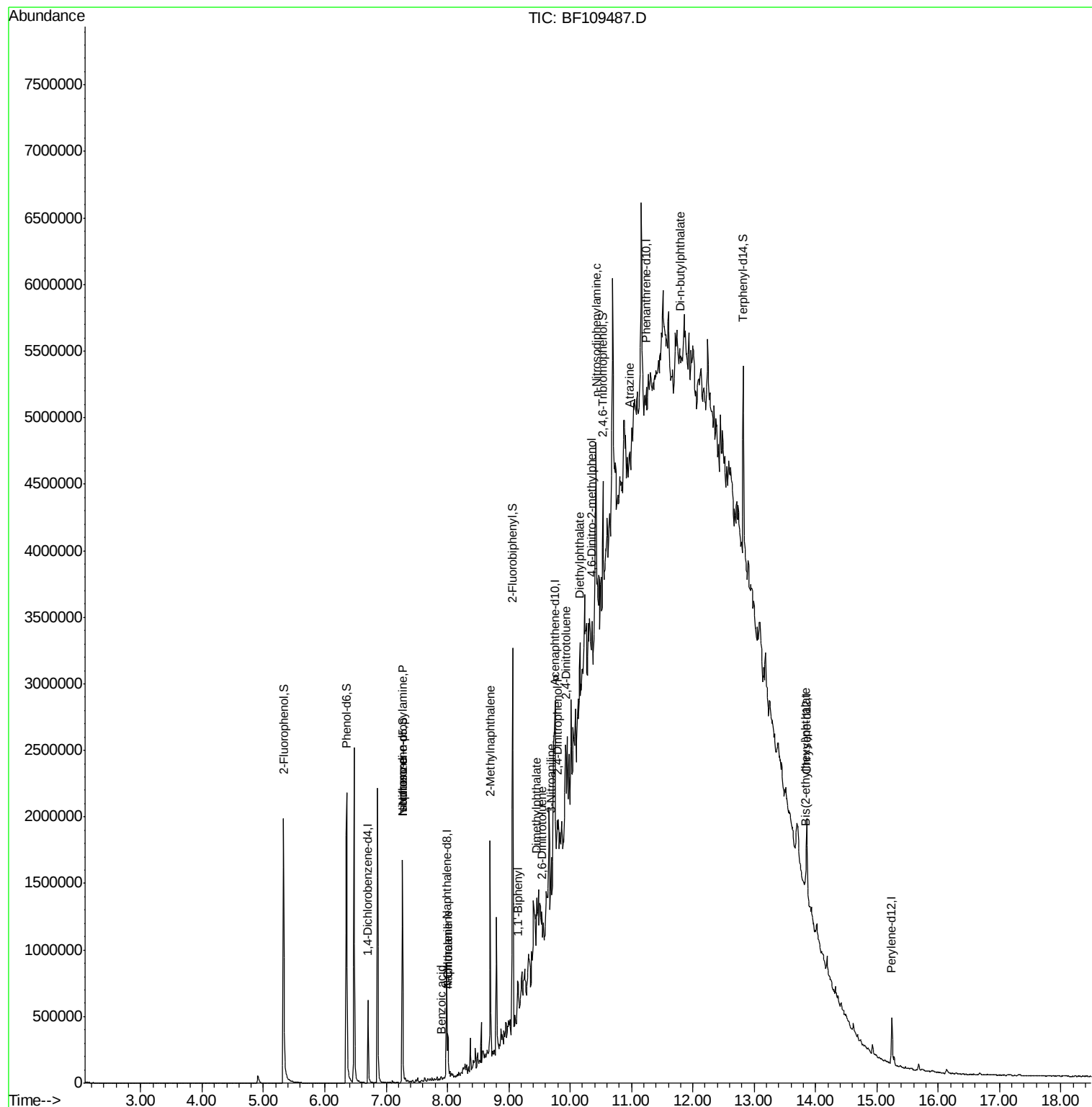
						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	76558	15.117	ng	# 76
25) Isophorone	7.27	82	544096	49.691	ng	# 64
31) Naphthalene	8.01	128	151297	9.020	ng	99
32) Benzoic acid	7.91	122	123	6.830	ng	# 20
33) 4-Chloroaniline	8.01	127	19262	2.629	ng	# 34
37) 2-Methylnaphthalene	8.70	142	489101	45.232	ng	99
45) 1,1'-Biphenyl	9.16	154	22580	2.224	ng	99
49) Dimethylphthalate	9.46	163	68096	7.514	ng	# 85
50) 2,6-Dinitrotoluene	9.55	165	4555	2.538	ng	# 39
52) 3-Nitroaniline	9.70	138	4829	2.323	ng	# 28
53) 2,4-Dinitrophenol	9.79	184	230	8.825	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	7963	3.507	ng	# 41
59) Diethylphthalate	10.16	149	18365	2.001	ng	# 42
64) 4,6-Dinitro-2-methylphenol	10.36	198	906	7.794	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	18042	3.557	ng	# 77
68) Atrazine	10.97	200	4863	3.118	ng	# 1
73) Di-n-butylphthalate	11.80	149	19525	2.193	ng	# 34
83) Bis(2-ethylhexyl)phthalate	13.84	149	33179	4.501	ng	# 94

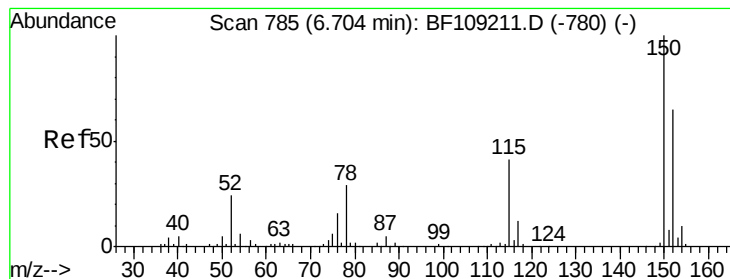
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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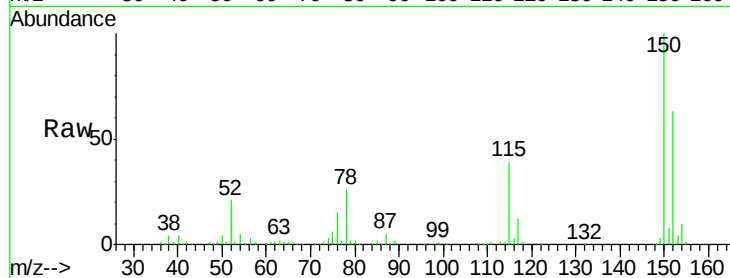


#1

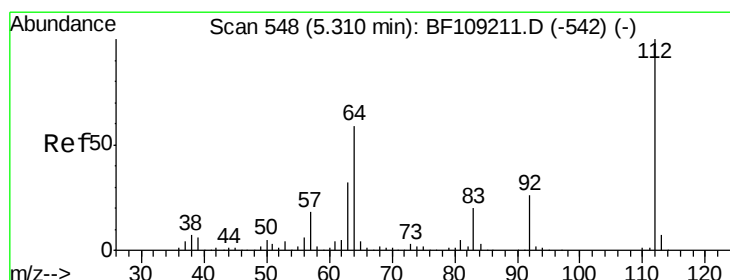
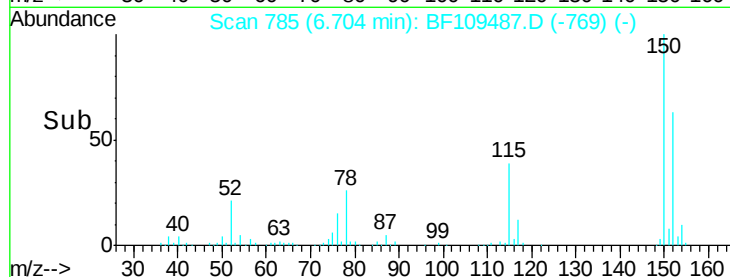
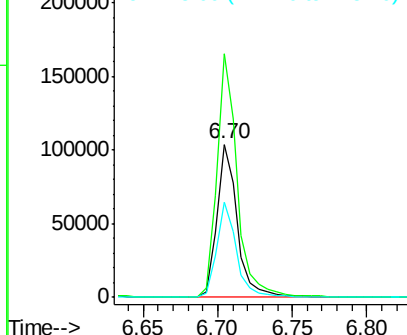
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tgt Ion:152 Resp: 99765
 Ion Ratio Lower Upper
 152 100
 150 159.2 124.6 186.8
 115 62.3 50.1 75.1



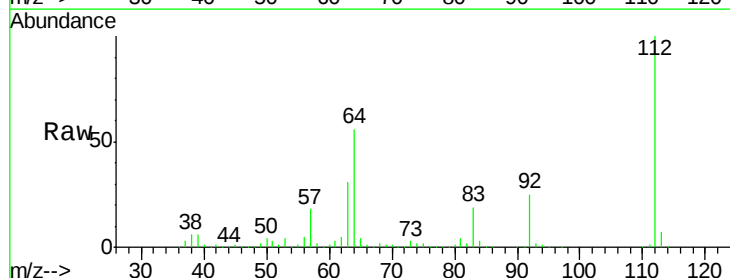
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



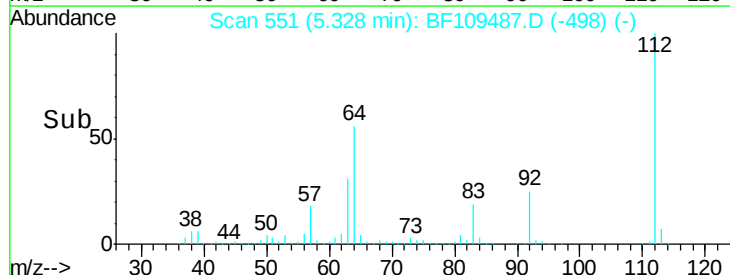
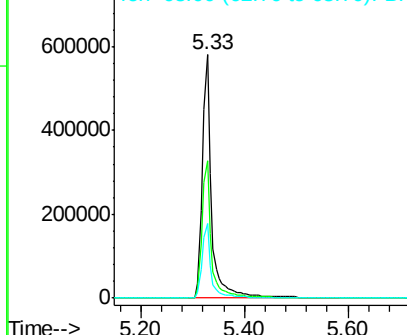
#5

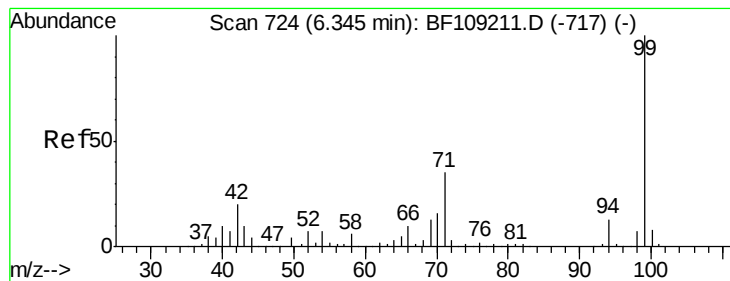
2-Fluorophenol
 Concen: 121.194 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

Tgt Ion:112 Resp: 734084
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.9 71.9
 63 30.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 118.250 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

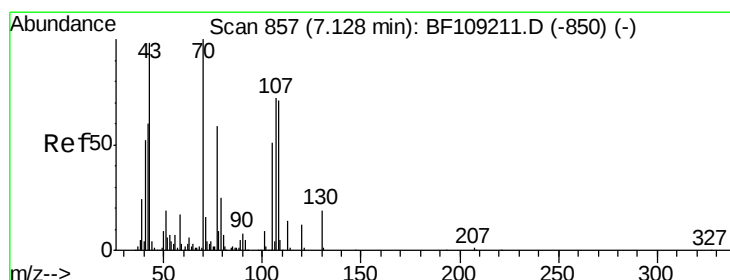
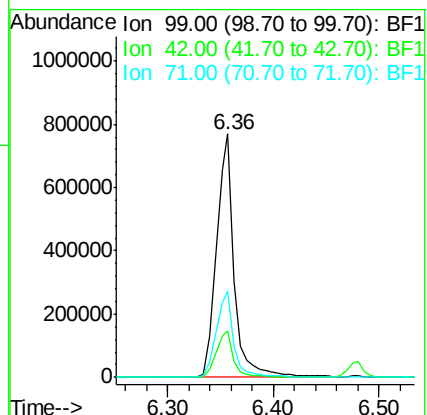
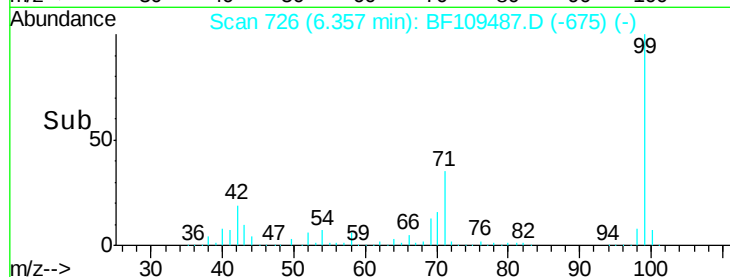
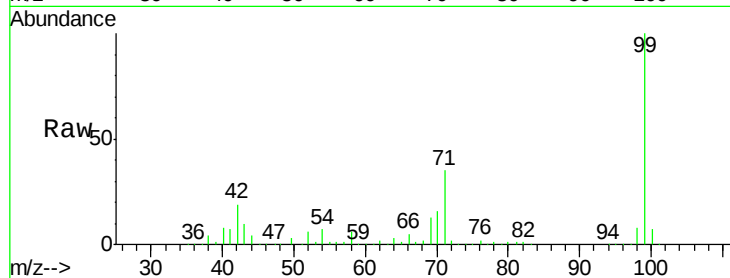
Tgt Ion: 99 Resp: 913965

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 35.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.117 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Tgt Ion: 70 Resp: 76558

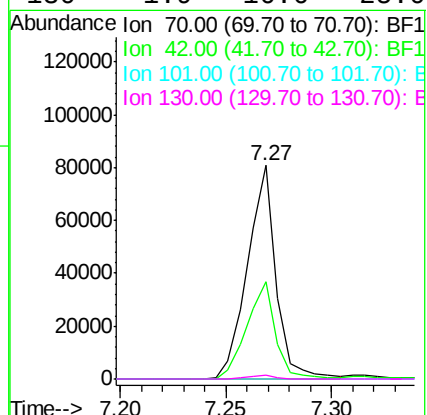
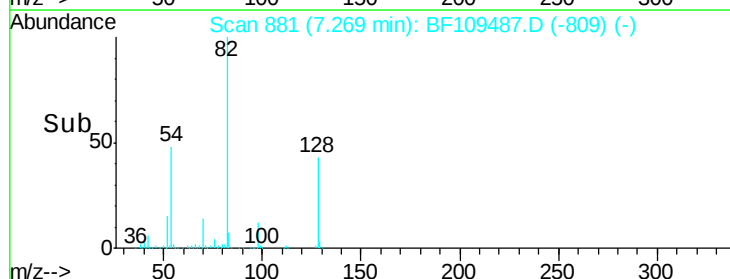
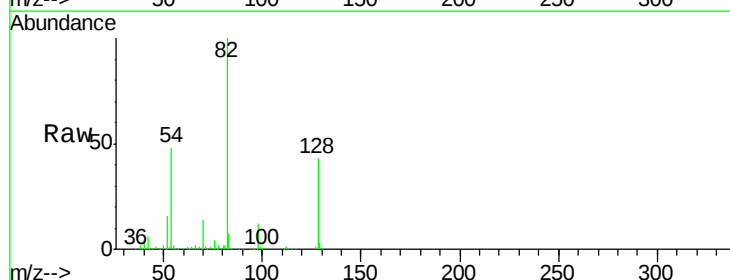
Ion Ratio Lower Upper

70 100

42 45.5 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

Tgt Ion:136 Resp: 358951

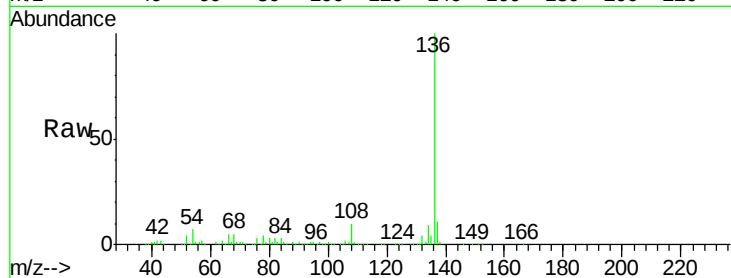
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

68 5.5 5.0 7.4

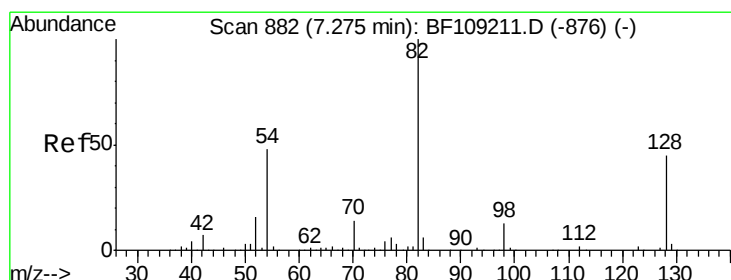
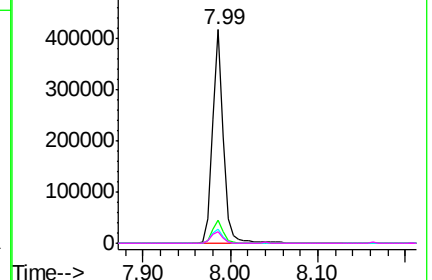
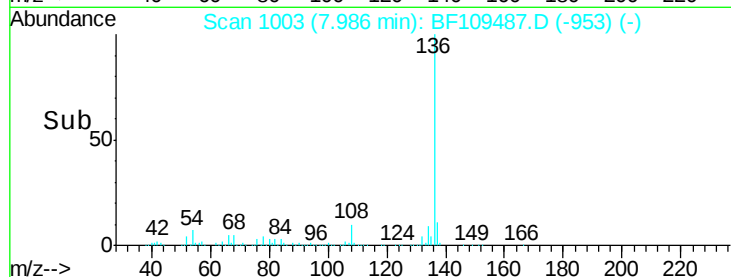


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 93.545 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

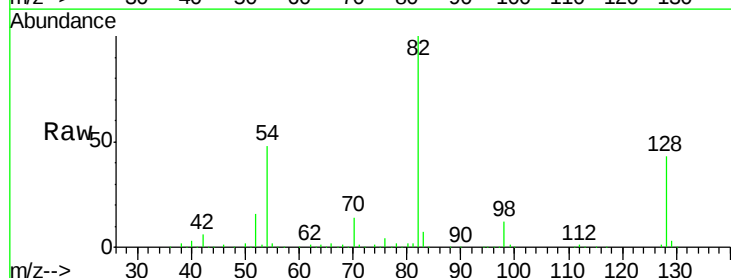
Tgt Ion: 82 Resp: 568819

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

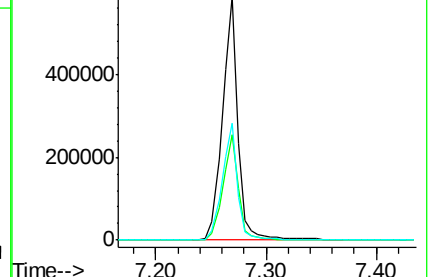
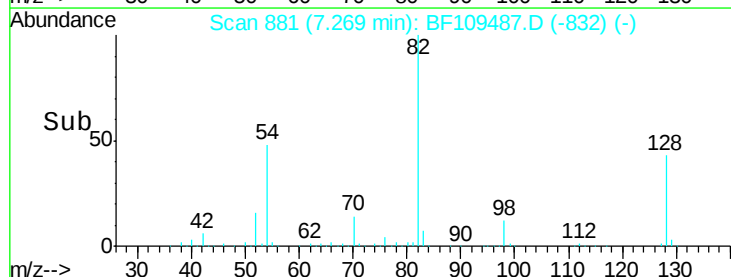
54 47.9 41.4 62.2

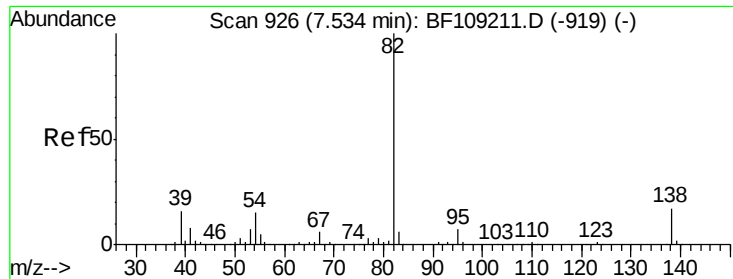


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.691 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

BNA_F

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OILY-STONES

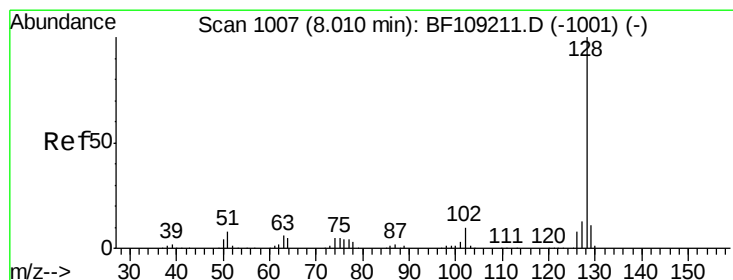
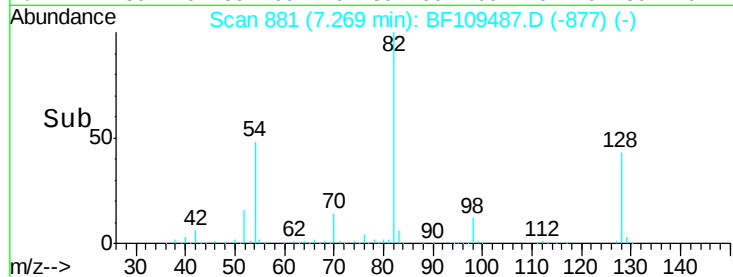
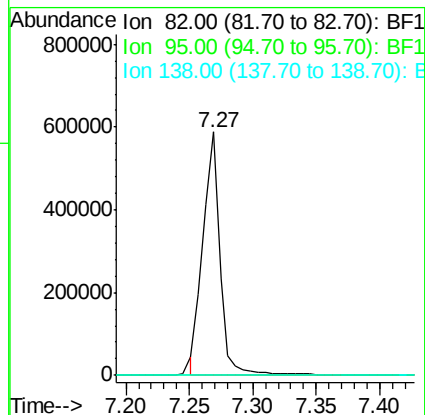
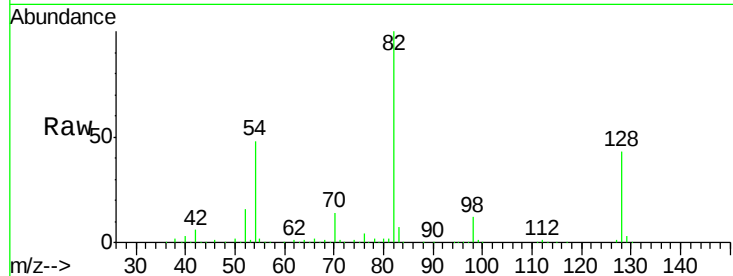
Tgt Ion: 82 Resp: 544096

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 9.020 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

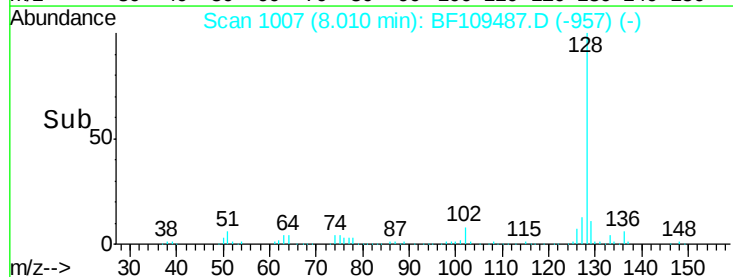
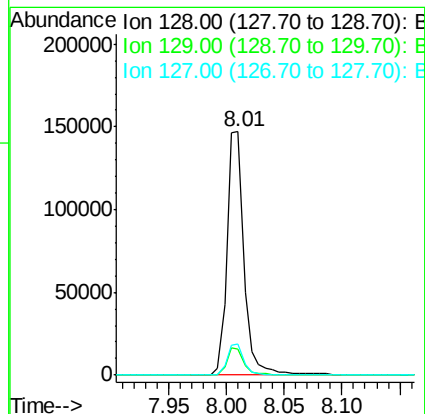
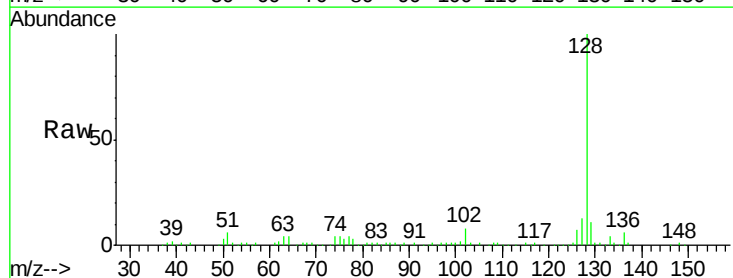
Tgt Ion: 128 Resp: 151297

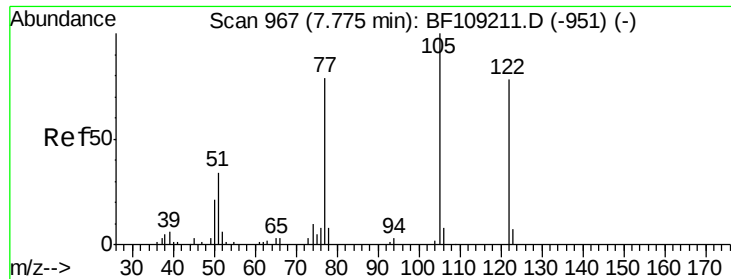
Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 12.9 10.9 16.3





#32

Benzoic acid

Concen: 6.830 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.09 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

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ClientSampleId :

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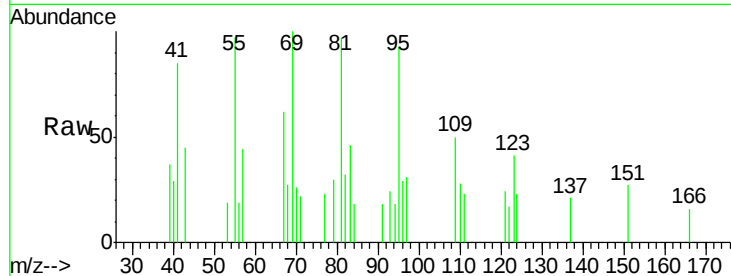
Tgt Ion:122 Resp: 123

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

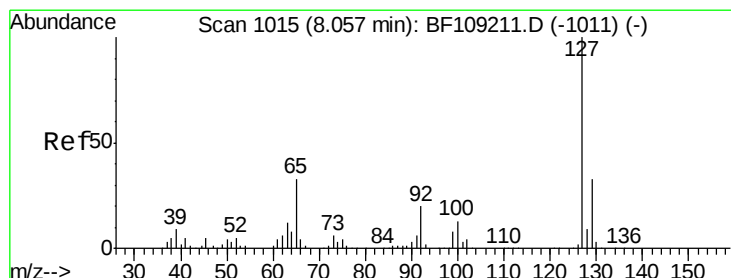
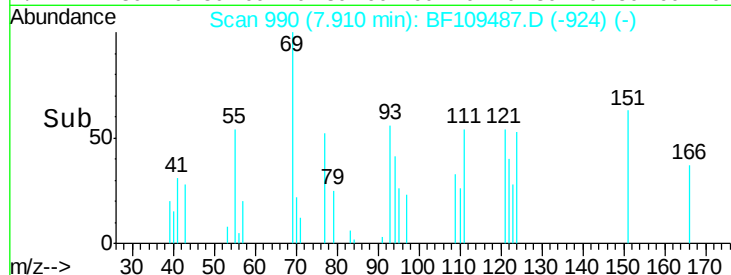
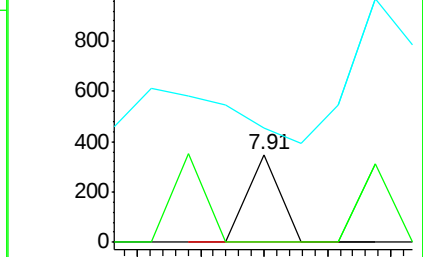
77 130.3 70.7 110.7#



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): BF1



#33

4-Chloroaniline

Concen: 2.629 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.05 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Tgt Ion:127 Resp: 19262

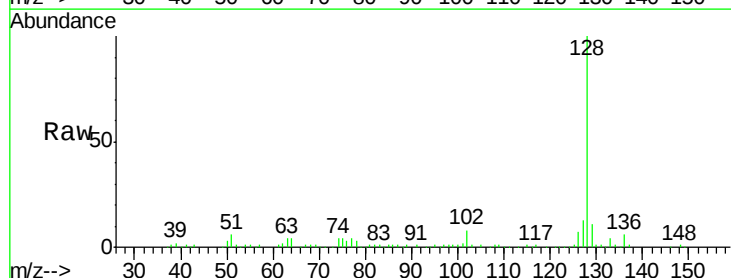
Ion Ratio Lower Upper

127 100

129 82.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

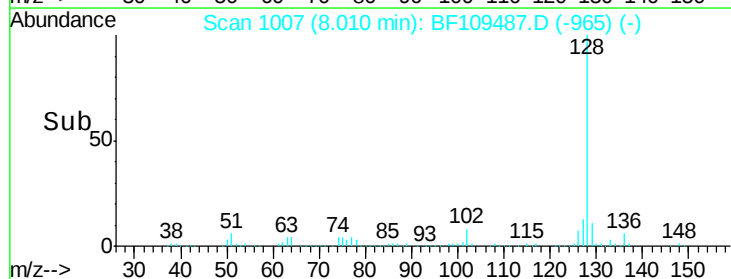
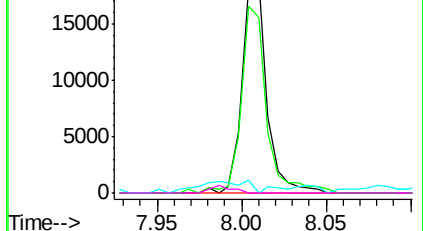


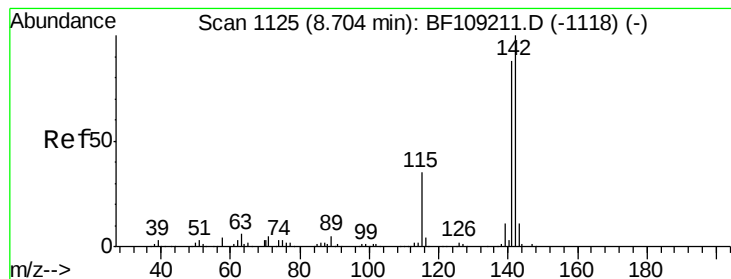
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 45.232 ng

RT: 8.70 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

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ClientSampleId :

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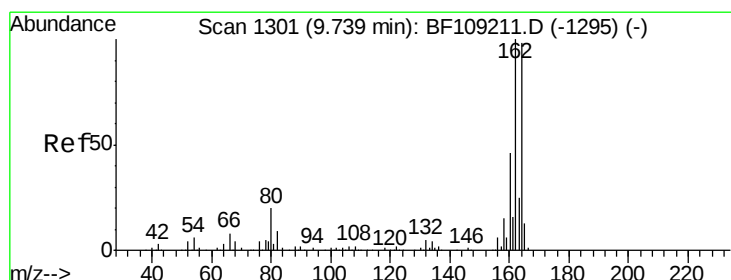
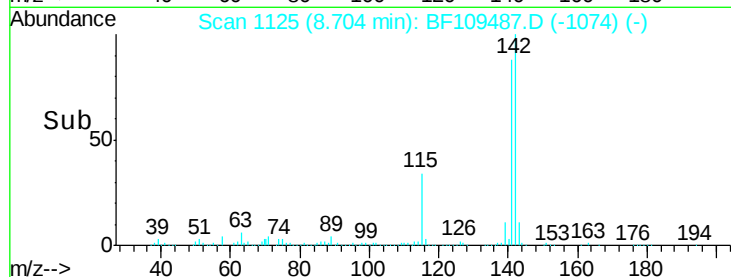
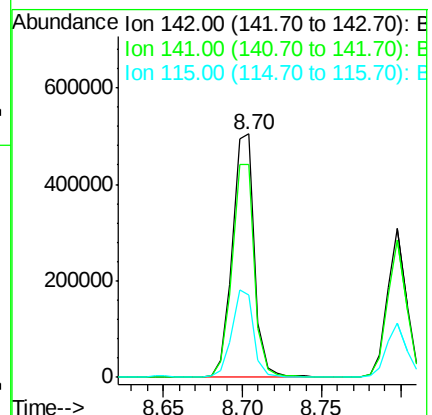
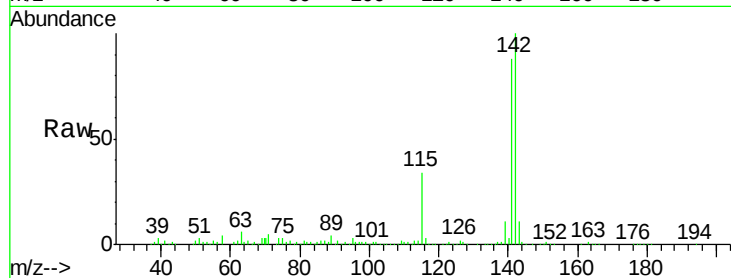
Tgt Ion:142 Resp: 489101

Ion Ratio Lower Upper

142 100

141 87.5 70.8 106.2

115 33.9 26.1 39.1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

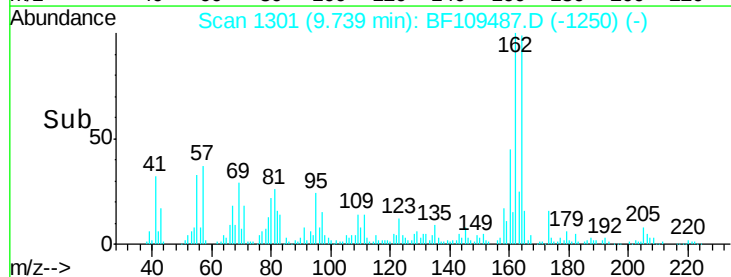
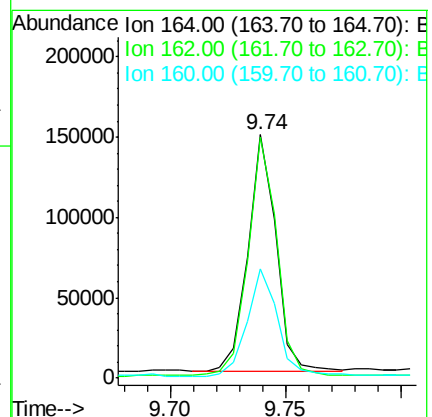
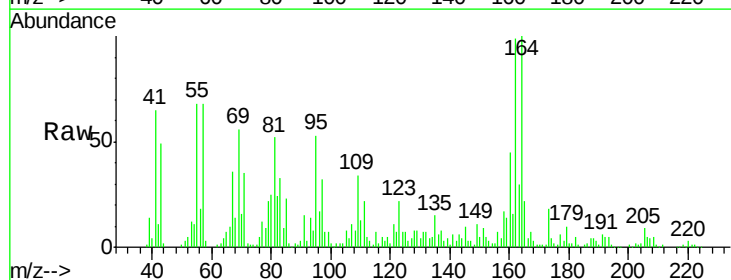
Tgt Ion:164 Resp: 124593

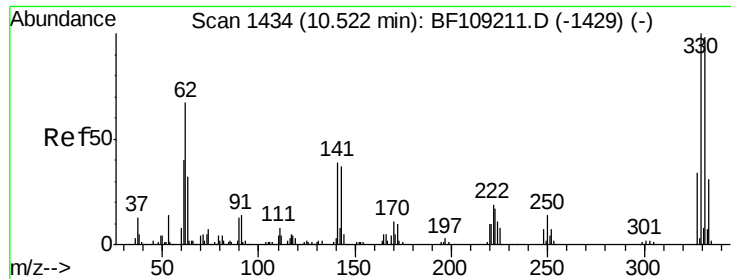
Ion Ratio Lower Upper

164 100

162 99.0 86.1 129.1

160 44.6 38.3 57.5

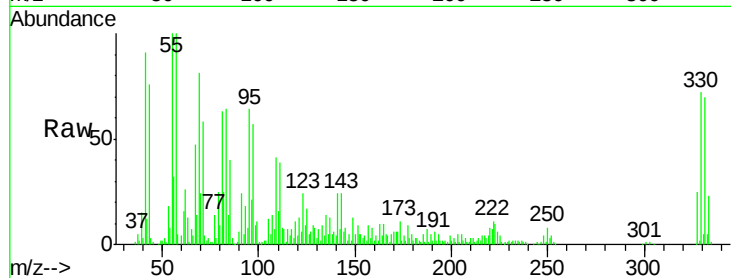




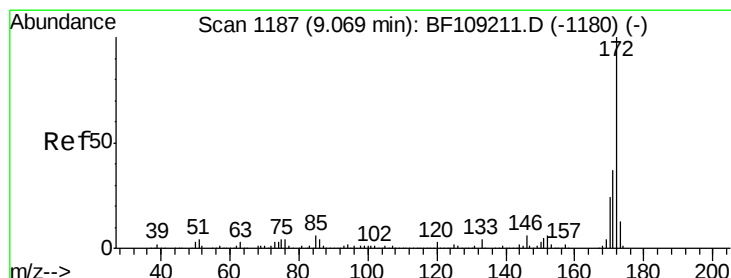
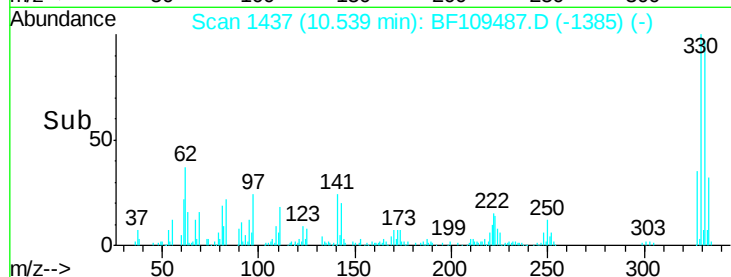
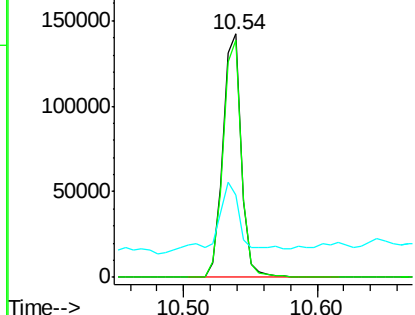
#41
 2,4,6-Tribromophenol
 Concen: 113.830 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tgt Ion:330 Resp: 139809
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 35.8 29.9 44.9

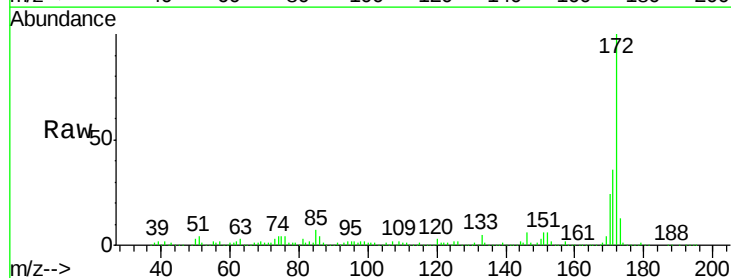


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

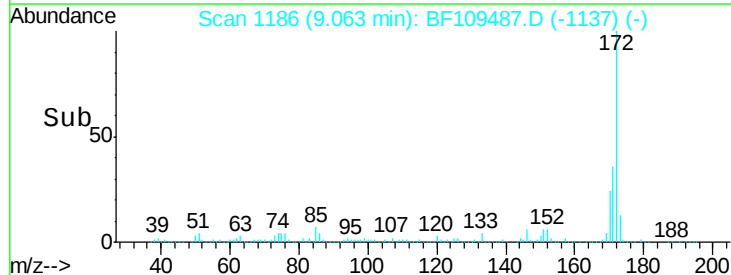
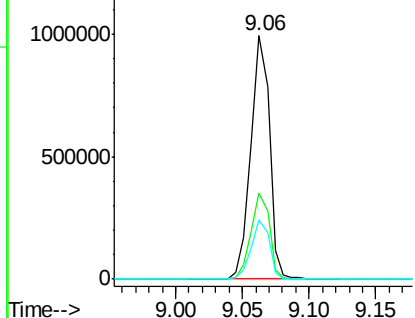


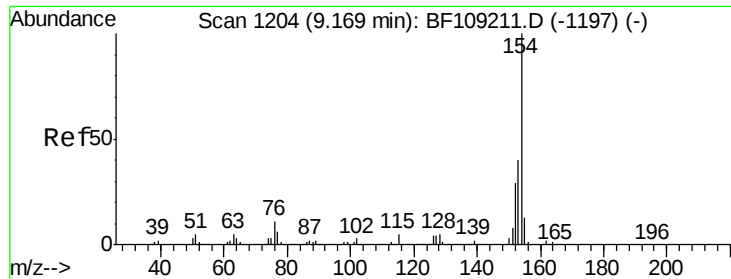
#44
 2-Fluorobiphenyl
 Concen: 115.061 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

Tgt Ion:172 Resp: 950531
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 24.1 19.6 29.4



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

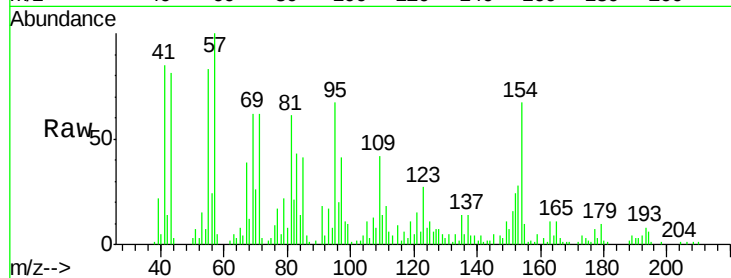




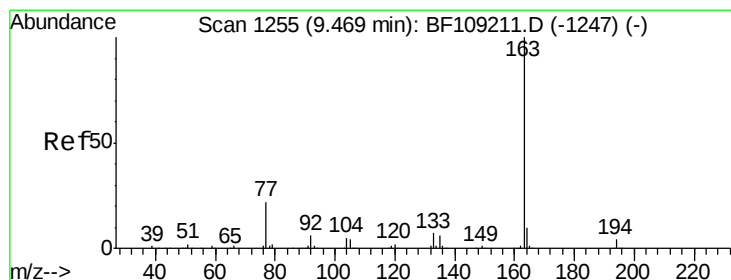
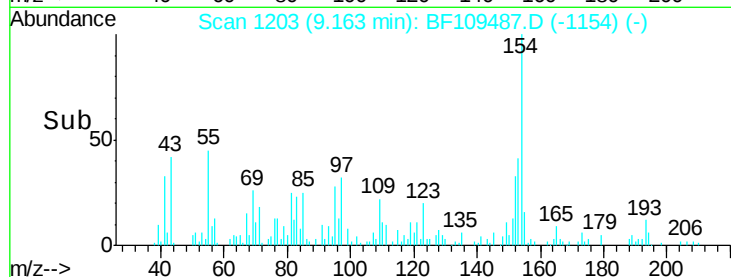
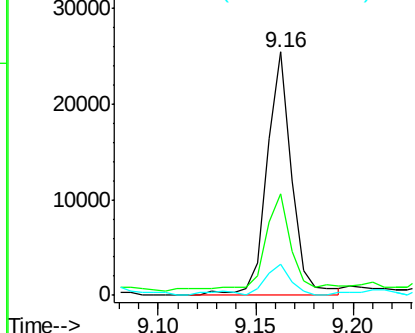
#45
 1,1'-Biphenyl
 Concen: 2.224 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tgt Ion:154 Resp: 22580
 Ion Ratio Lower Upper
 154 100
 153 41.7 21.3 61.3
 76 12.8 0.0 34.0

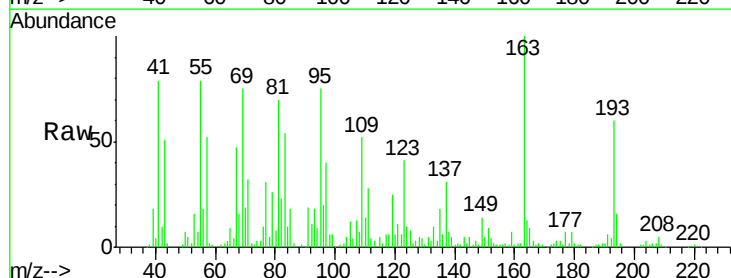


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

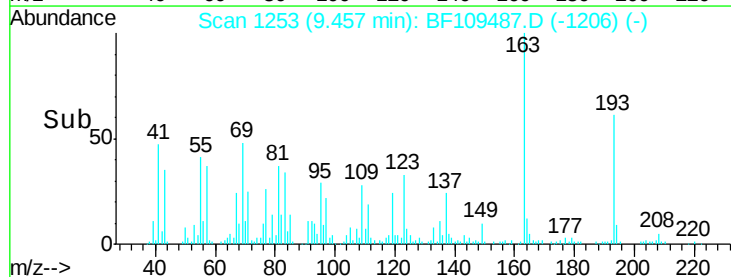
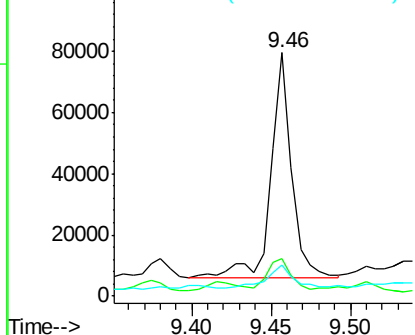


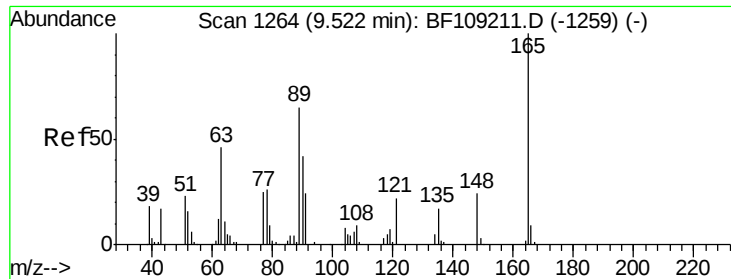
#49
 Dimethylphthalate
 Concen: 7.514 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

Tgt Ion:163 Resp: 68096
 Ion Ratio Lower Upper
 163 100
 194 15.5 2.7 4.1#
 164 12.9 8.2 12.2#



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

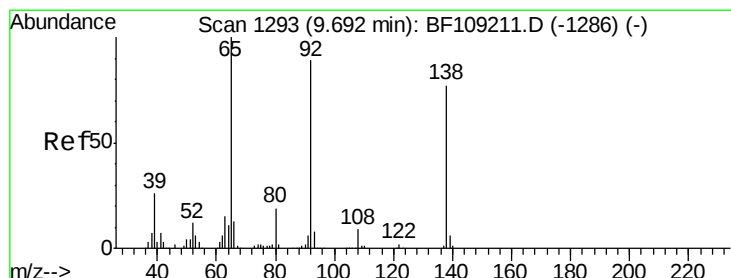
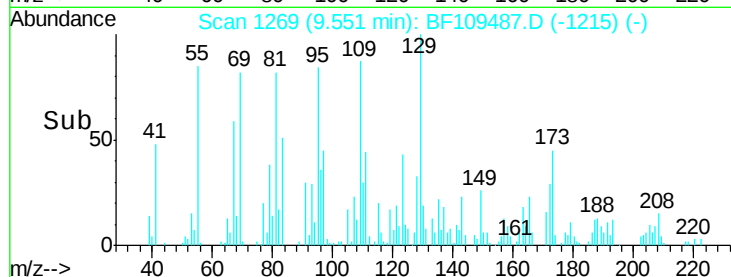
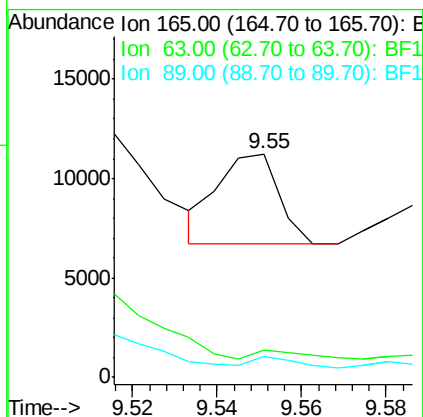
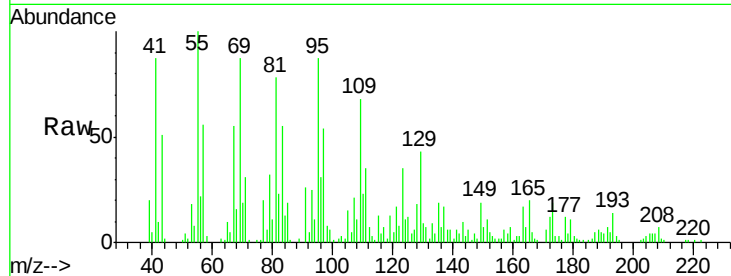




#50
 2,6-Dinitrotoluene
 Concen: 2.538 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. 0.02 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

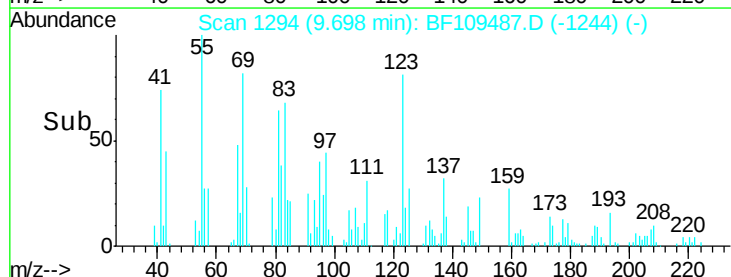
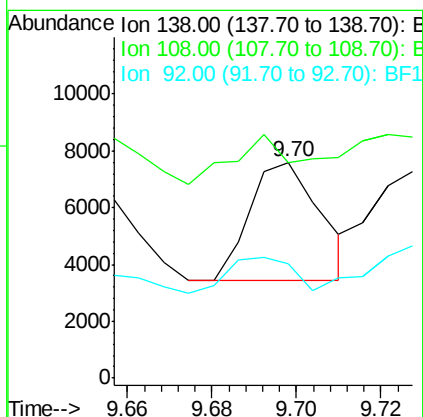
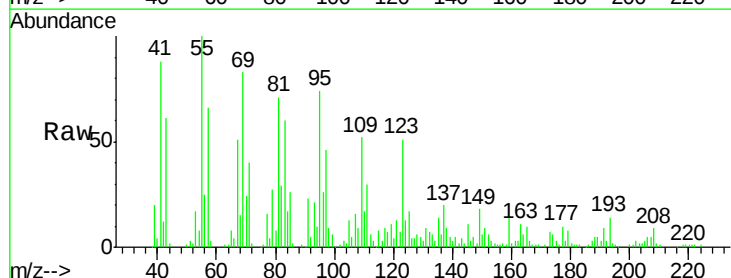
Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

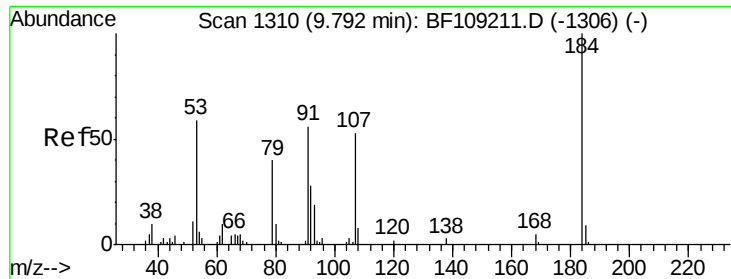
Tgt Ion:165 Resp: 4555
 Ion Ratio Lower Upper
 165 100
 63 12.2 44.7 67.1#
 89 9.6 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 2.323 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF109487.D
 Acq: 1 Oct 2018 21:42

Tgt Ion:138 Resp: 4829
 Ion Ratio Lower Upper
 138 100
 108 100.2 9.4 14.0#
 92 53.1 89.4 134.2#

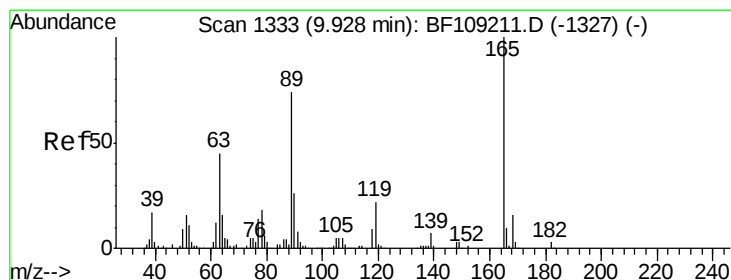
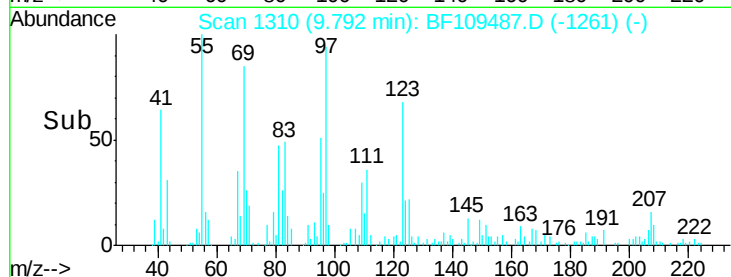
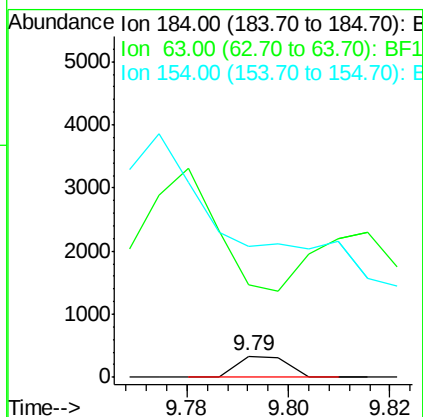
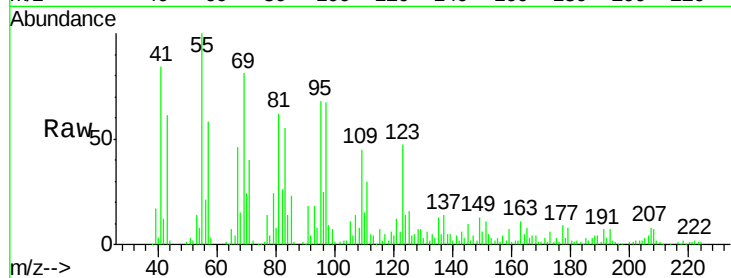




#53
2,4-Dinitrophenol
Concen: 8.825 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF109487.D
Acq: 1 Oct 2018 21:42

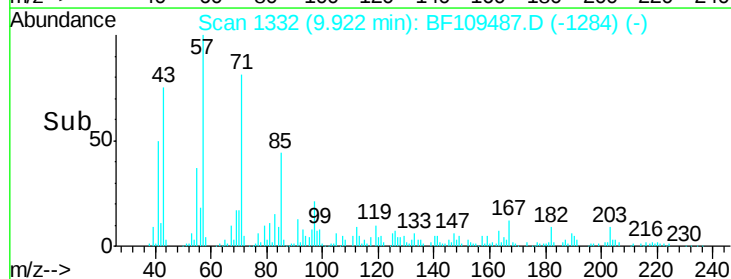
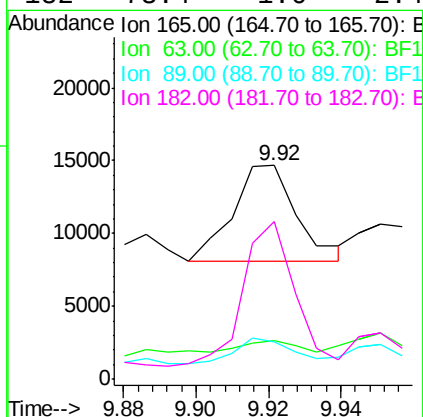
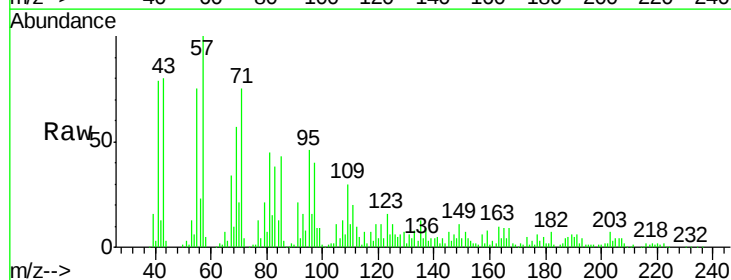
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

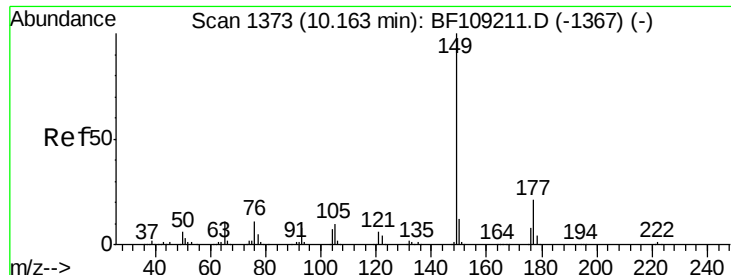
Tgt Ion:184 Resp: 230
Ion Ratio Lower Upper
184 100
63 432.6 54.2 81.2#
154 618.1 184.0 276.0#



#56
2,4-Dinitrotoluene
Concen: 3.507 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF109487.D
Acq: 1 Oct 2018 21:42

Tgt Ion:165 Resp: 7963
Ion Ratio Lower Upper
165 100
63 17.8 36.4 54.6#
89 17.2 57.8 86.6#
182 73.4 1.6 2.4#

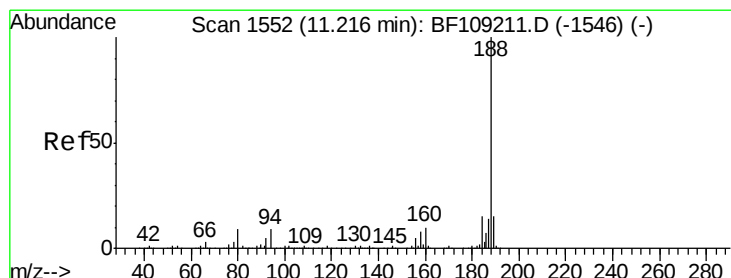
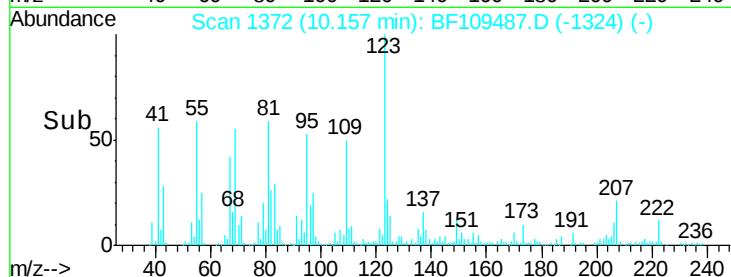
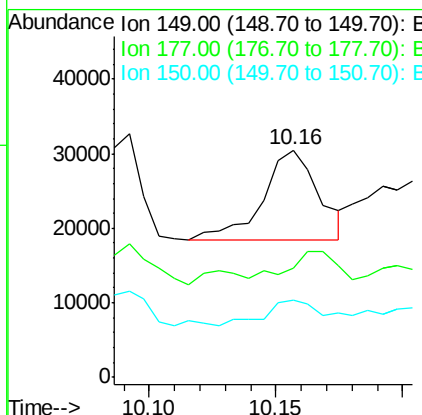
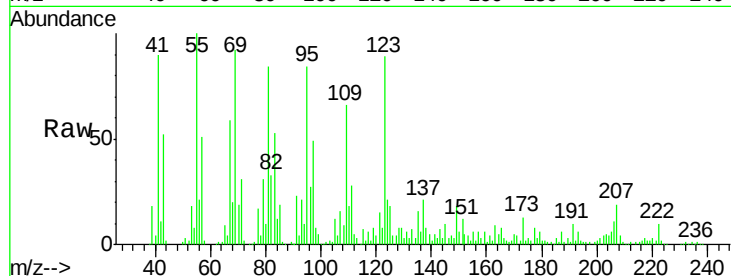




#59
Diethylphthalate
Concen: 2.001 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BF109487.D
Acq: 1 Oct 2018 21:42

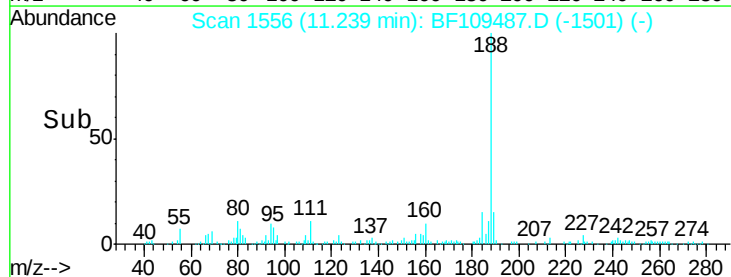
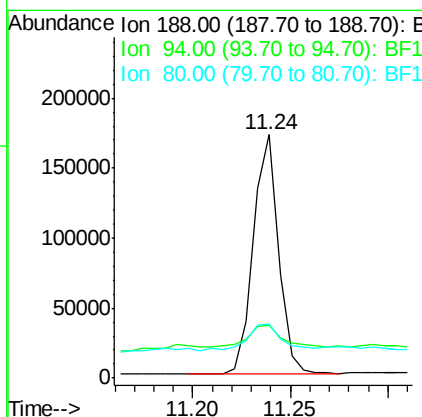
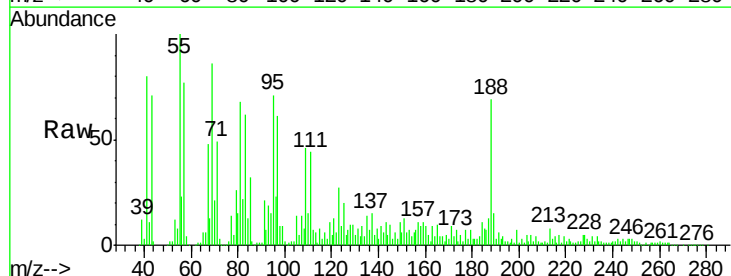
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

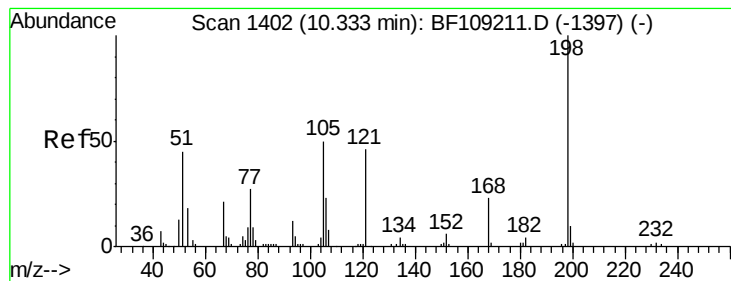
Tgt Ion:149 Resp: 18365
Ion Ratio Lower Upper
149 100
177 47.9 16.1 24.1#
150 33.9 10.1 15.1#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.02 min
Lab File: BF109487.D
Acq: 1 Oct 2018 21:42

Tgt Ion:188 Resp: 153501
Ion Ratio Lower Upper
188 100
94 21.7 8.5 12.7#
80 22.0 9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 7.794 ng

RT: 10.36 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

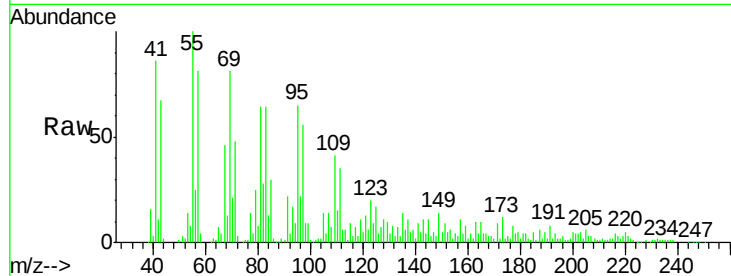
Tgt Ion:198 Resp: 906

Ion Ratio Lower Upper

198 100

51 503.3 37.7 77.7#

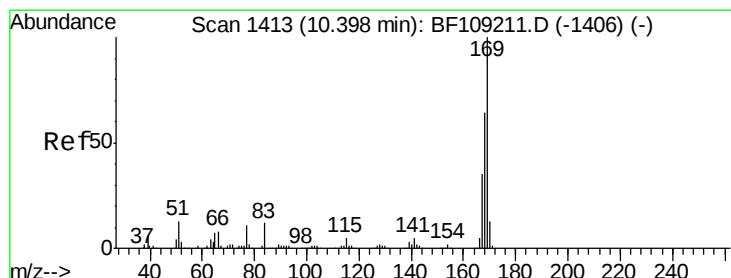
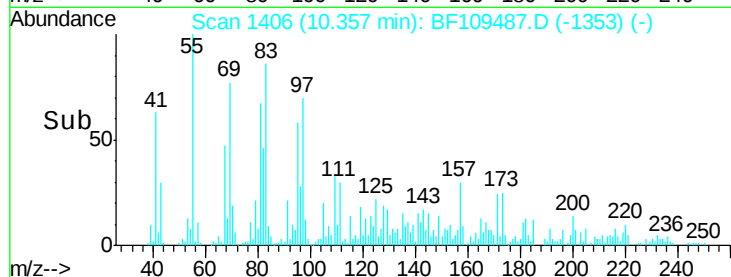
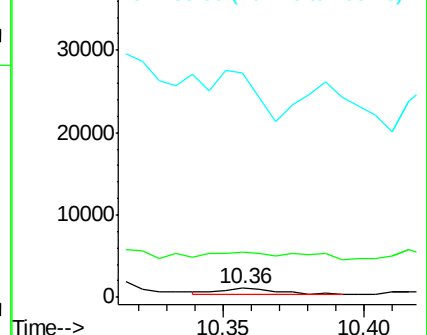
105 2483.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 3.557 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.02 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

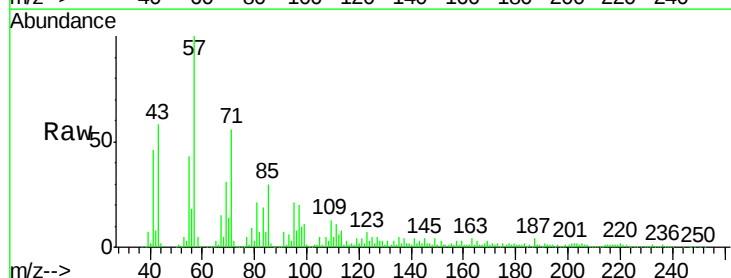
Tgt Ion:169 Resp: 18042

Ion Ratio Lower Upper

169 100

168 50.6 54.4 81.6#

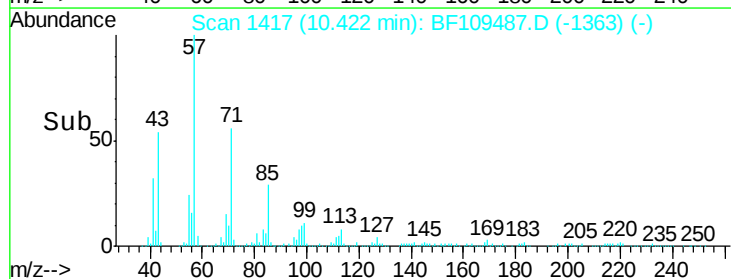
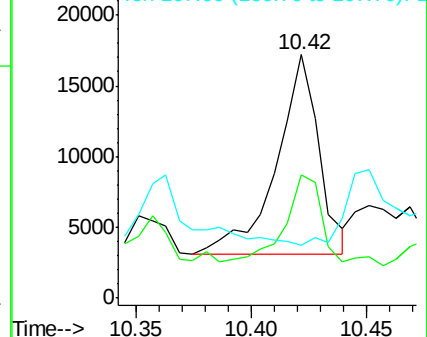
167 21.9 29.8 44.6#

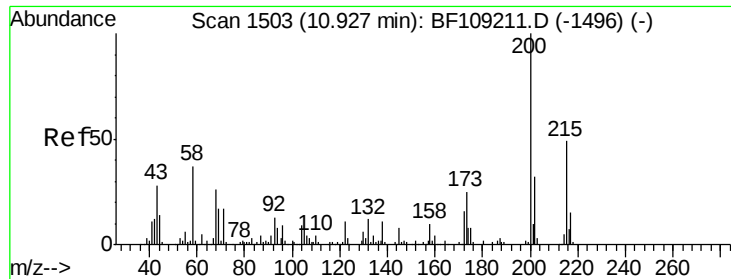


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 3.118 ng

RT: 10.97 min Scan# 1510

Delta R.T. 0.04 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

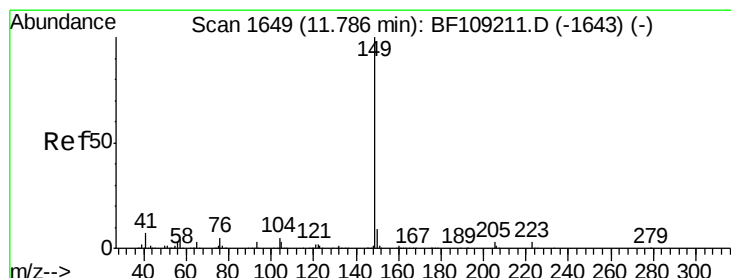
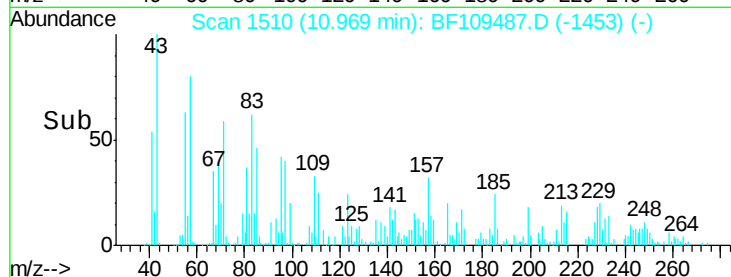
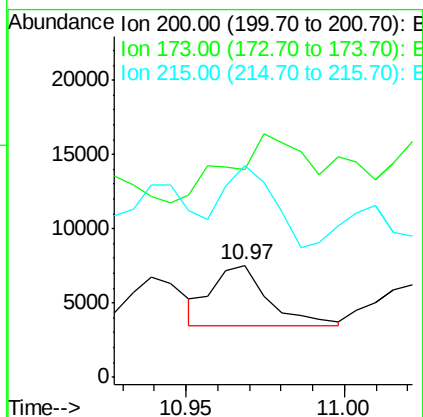
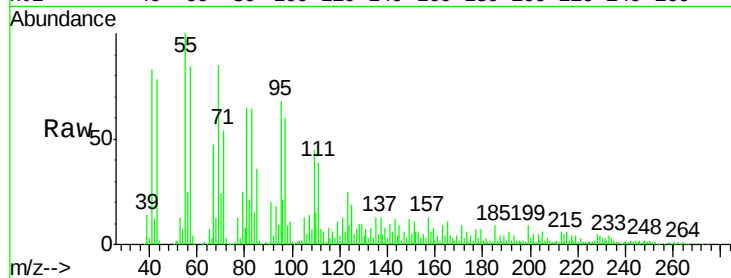
Tgt Ion:200 Resp: 4863

Ion Ratio Lower Upper

200 100

173 185.8 8.6 48.6#

215 189.5 25.1 65.1#



#73

Di-n-butylphthalate

Concen: 2.193 ng

RT: 11.80 min Scan# 1651

Delta R.T. 0.01 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

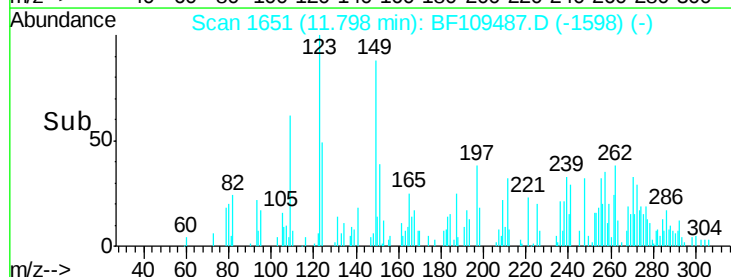
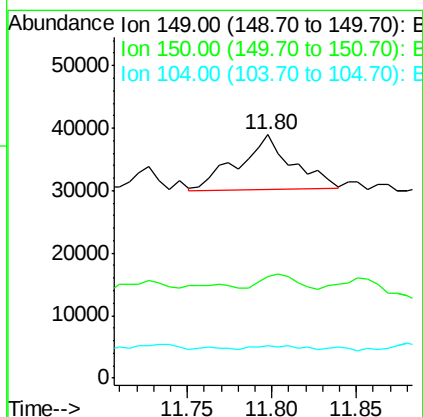
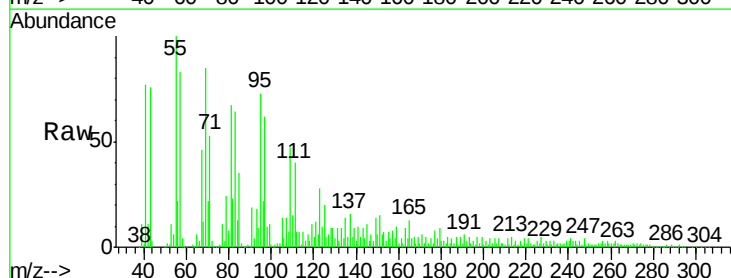
Tgt Ion:149 Resp: 19525

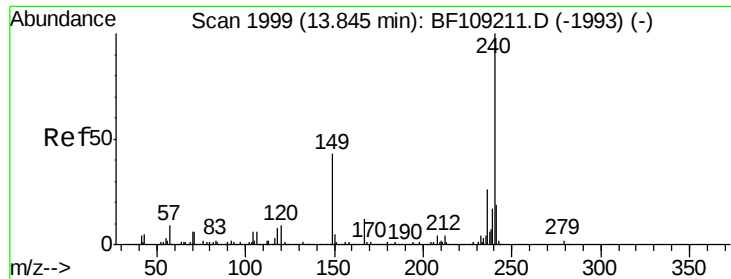
Ion Ratio Lower Upper

149 100

150 41.7 7.8 11.6#

104 13.1 3.8 5.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

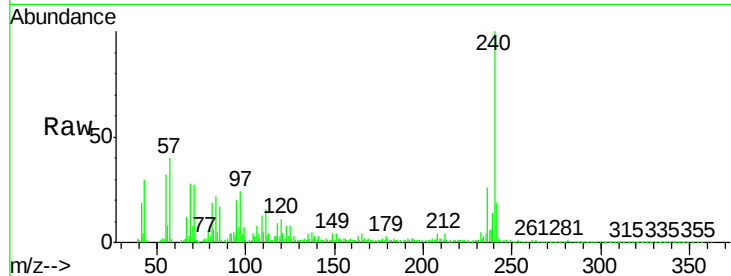
Tgt Ion:240 Resp: 191717

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

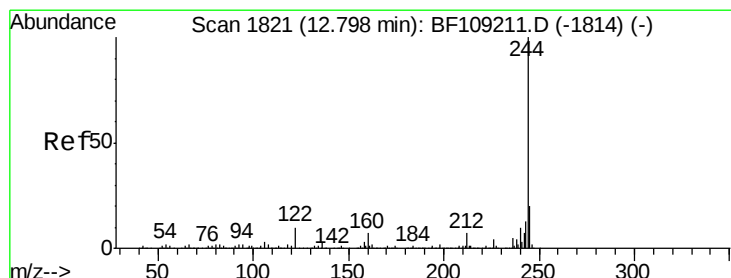
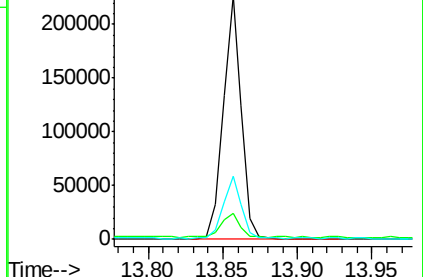
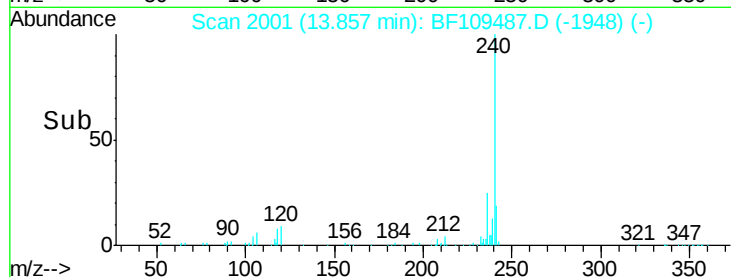
236 25.9 20.7 31.1



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



#78

Terphenyl-d14

Concen: 75.426 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.02 min

Lab File: BF109487.D

Acq: 1 Oct 2018 21:42

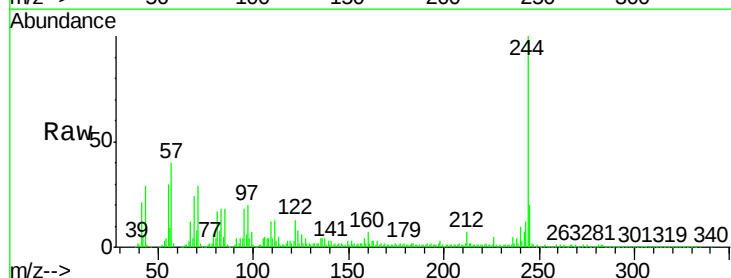
Tgt Ion:244 Resp: 589221

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

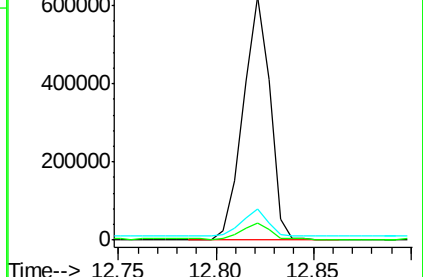
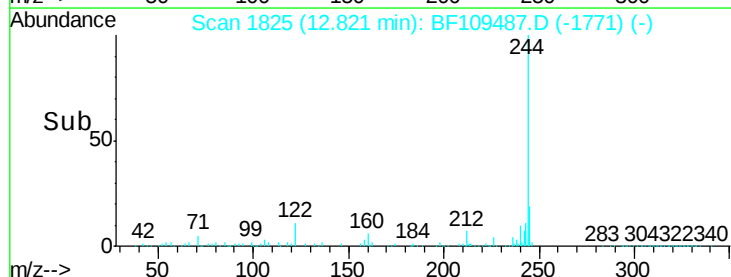
122 12.5 11.0 16.4

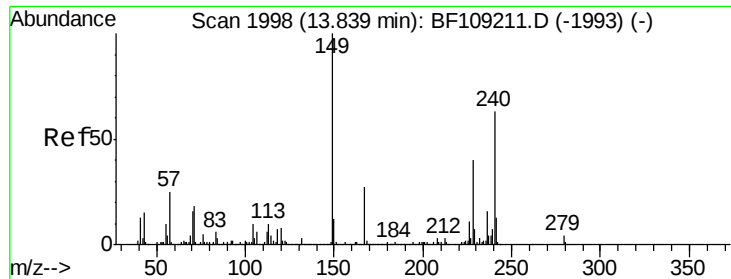


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

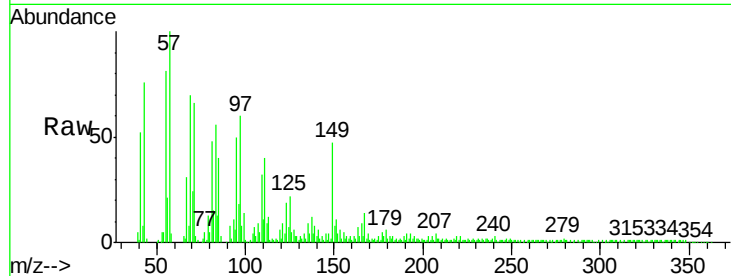




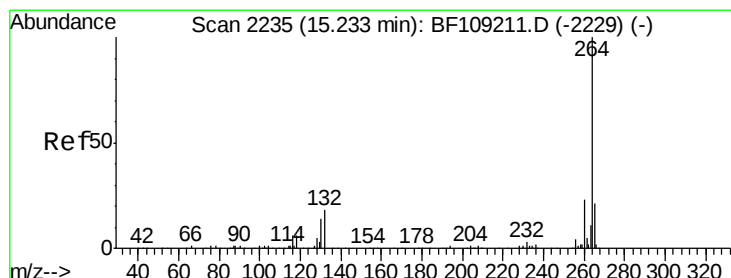
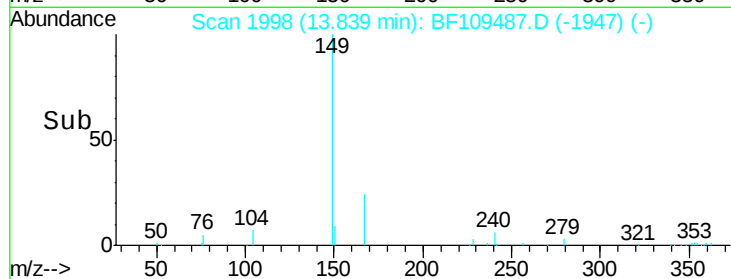
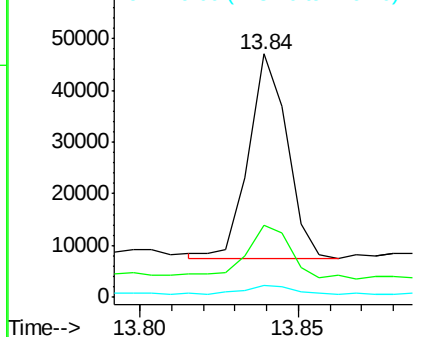
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.501 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BF109487.D
Acq: 1 Oct 2018 21:42

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tgt Ion:149 Resp: 33179
Ion Ratio Lower Upper
149 100
167 29.6 21.3 31.9
279 5.0 3.0 4.4#

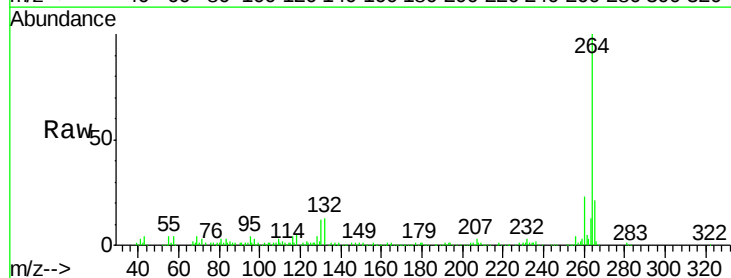


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109487.D
Acq: 1 Oct 2018 21:42

Tgt Ion:264 Resp: 164264
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.1 17.5 26.3



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

