

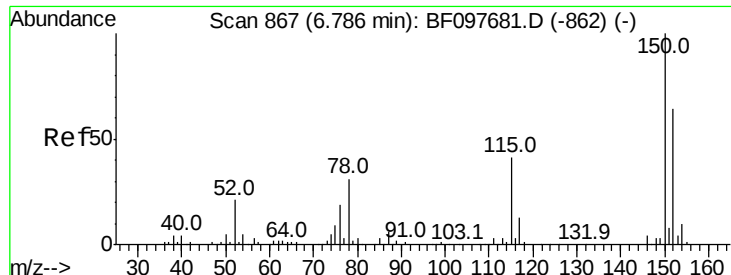
Data Path : Z:\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098241.D
 Acq On : 1 Sep 2017 21:55
 Operator : SJ/JU
 Sample : I5048-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Quant Time: Sep 01 22:56:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	112464	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	414637	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	123341	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	78280	20.00	ng	0.03
75) Chrysene-d12	13.89	240	237326	20.00	ng	0.00
86) Perylene-d12	15.29	264	196147	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	959308	129.75	ng	-0.02
7) Phenol-d6	6.37	99	1306773	130.08	ng	-0.02
23) Nitrobenzene-d5	7.29	82	785706	102.94	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	115457	107.89	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1072585	127.76	ng	-0.03
78) Terphenyl-d14	12.87	244	461937	40.59	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	103336	15.026	ng	# 70
25) Isophorone	7.29	82	768505	48.422	ng	# 67
26) 2-Nitrophenol	7.64	139	158	5.304	ng	# 1
32) Benzoic acid	7.79	122	420	6.480	ng	# 1
49) Dimethylphthalate	9.48	163	73646	8.168	ng	# 80
50) 2,6-Dinitrotoluene	9.52	165	16307	9.061	ng	# 45
52) 3-Nitroaniline	9.75	138	8789	3.785	ng	# 23
53) 2,4-Dinitrophenol	9.83	184	335	10.484	ng	# 1
59) Diethylphthalate	10.20	149	26370	2.797	ng	# 29
60) 4-Chlorophenyl-phenylether	10.33	204	8750	2.208	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.40	198	704	9.898	ng	# 1
65) n-Nitrosodiphenylamine	10.46	169	26017	9.760	ng	# 85
68) Atrazine	10.99	200	11758	16.632	ng	# 1
73) Di-n-butylphthalate	11.86	149	18571	4.015	ng	# 30

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

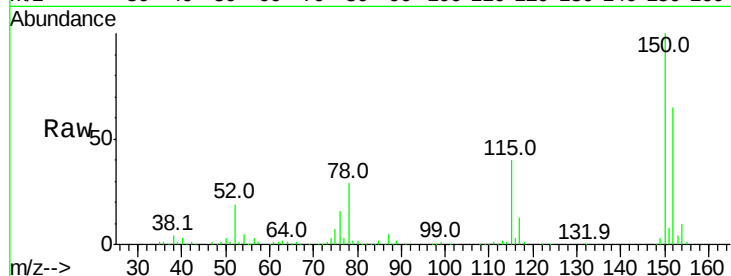


#1

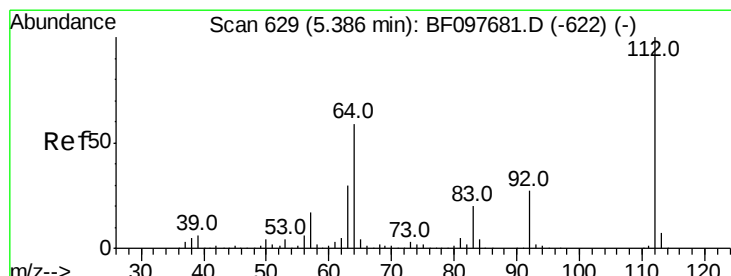
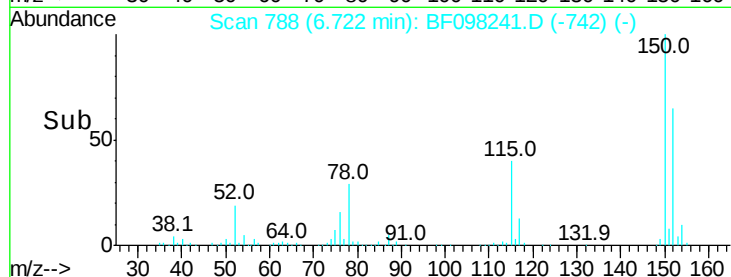
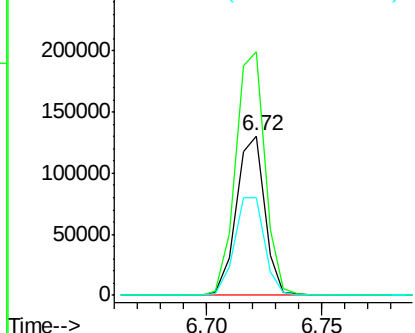
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tot Ion:152 Resp: 112464
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.2
115 61.4 52.2 78.2



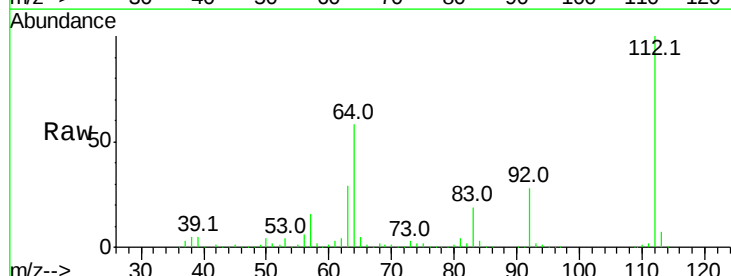
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



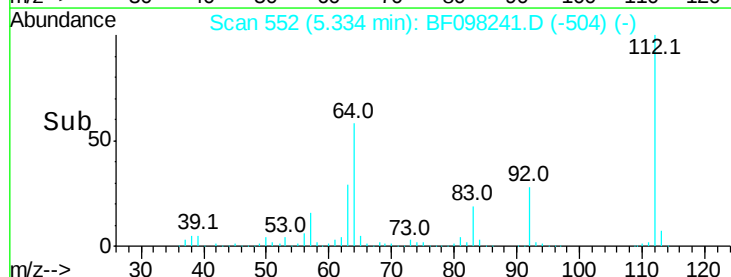
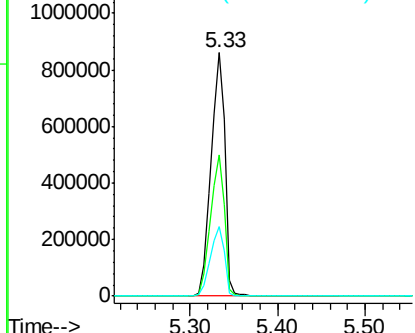
#5

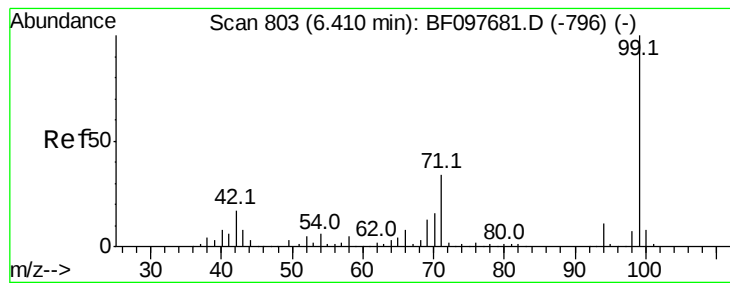
2-Fluorophenol
Concen: 129.746 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

Tgt Ion:112 Resp: 959308
Ion Ratio Lower Upper
112 100
64 58.1 46.0 69.0
63 28.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.080 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

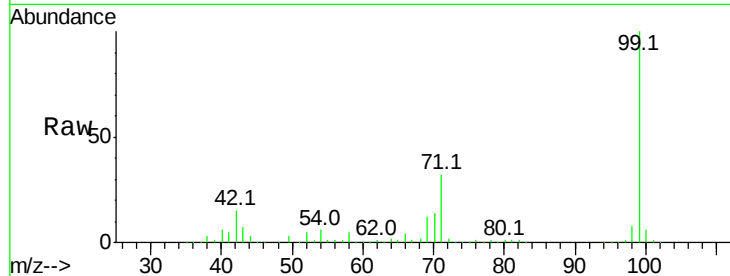
Tot Ion: 99 Resp: 1306773

Ion Ratio Lower Upper

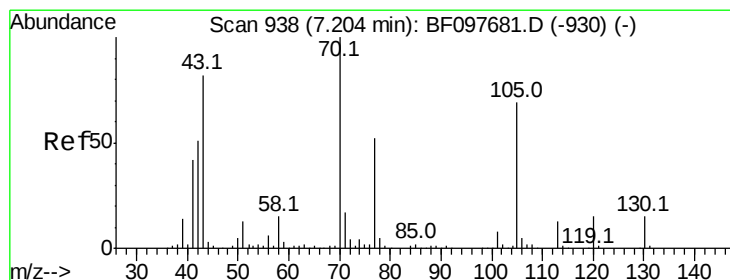
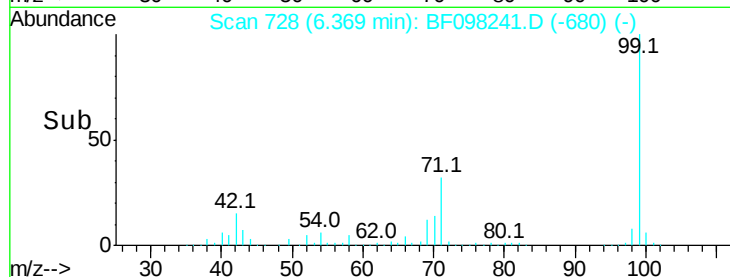
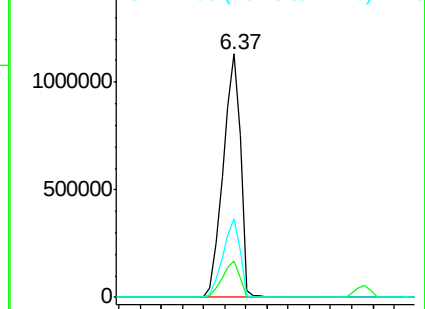
99 100

42 14.8 13.5 20.3

71 32.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.026 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Tgt Ion: 70 Resp: 103336

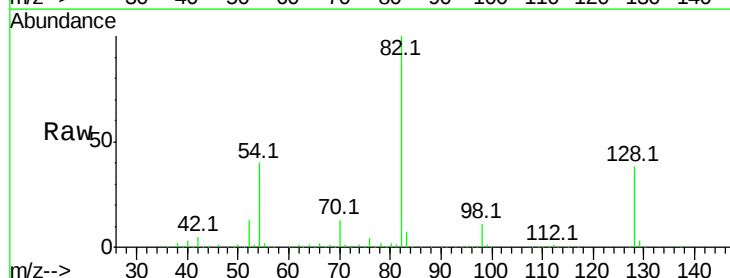
Ion Ratio Lower Upper

70 100

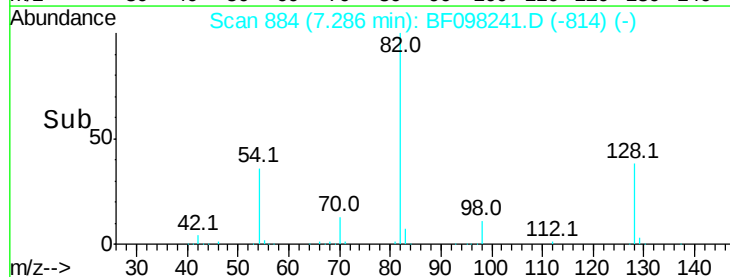
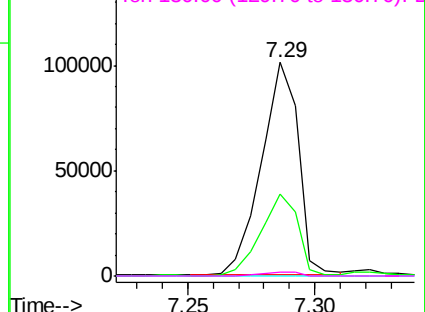
42 38.2 47.2 70.8#

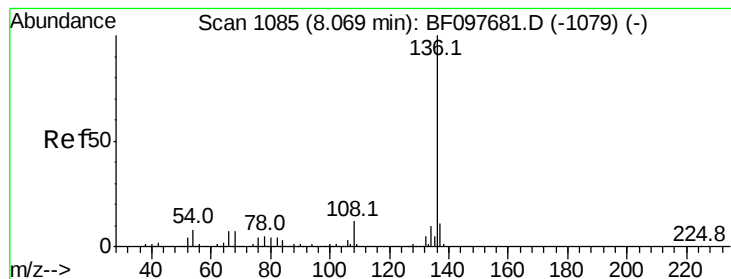
101 0.0 7.2 10.8#

130 1.8 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

Tot Ion:136 Resp: 414637

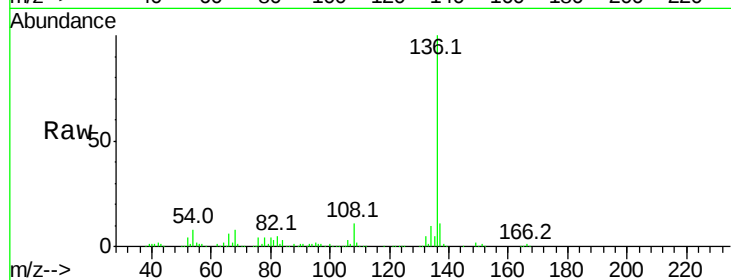
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.7 4.9 7.3#

68 7.7 4.1 6.1#

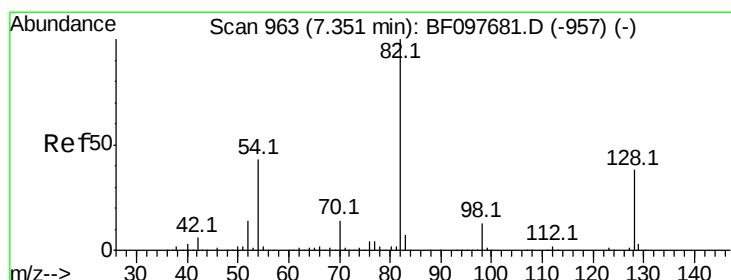
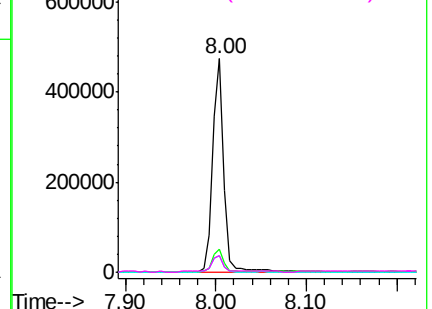
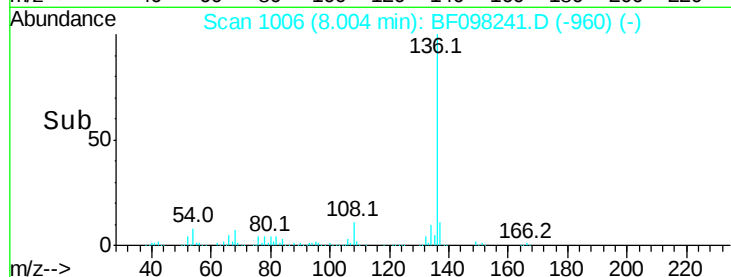


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 102.941 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

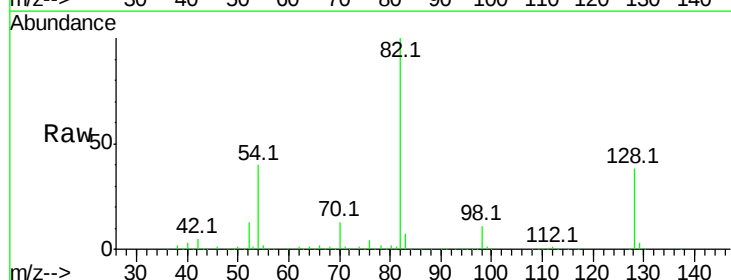
Tgt Ion: 82 Resp: 785706

Ion Ratio Lower Upper

82 100

128 38.4 34.0 51.0

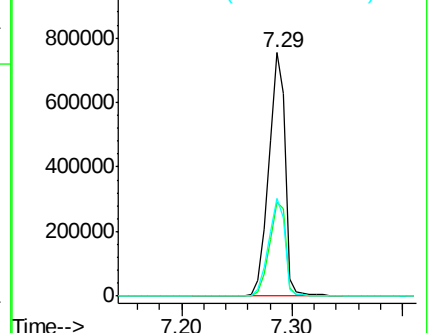
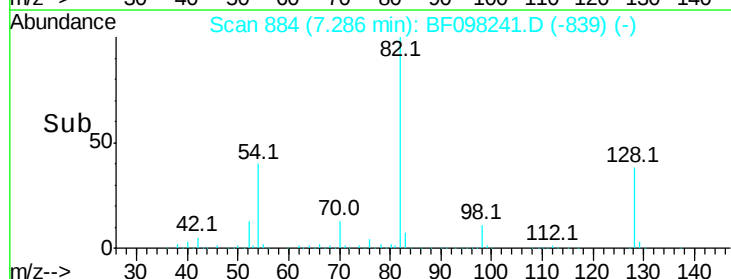
54 40.2 42.2 63.2#

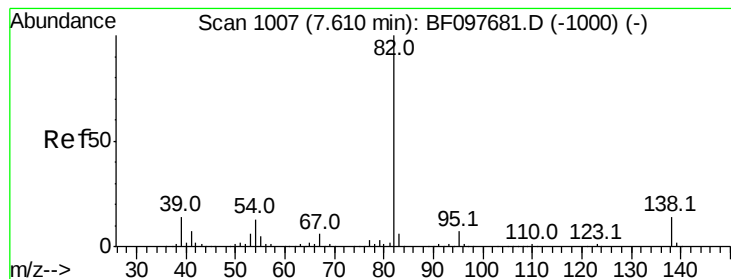


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 48.422 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

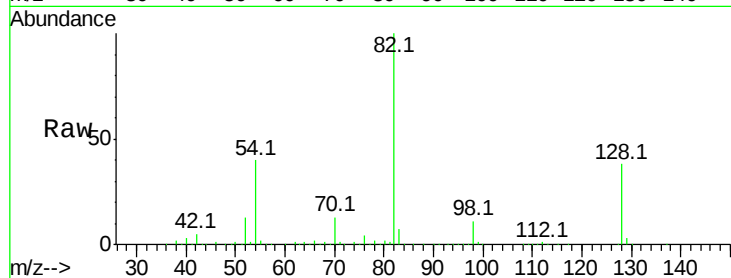
Tot Ion: 82 Resp: 768505

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

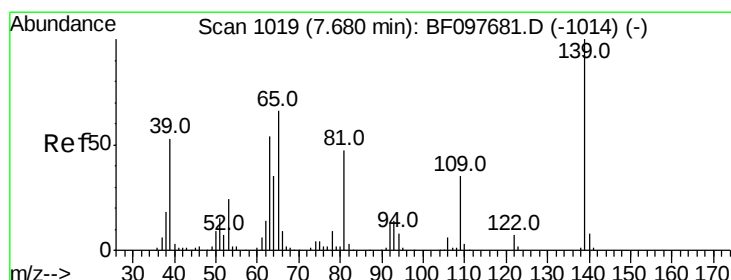
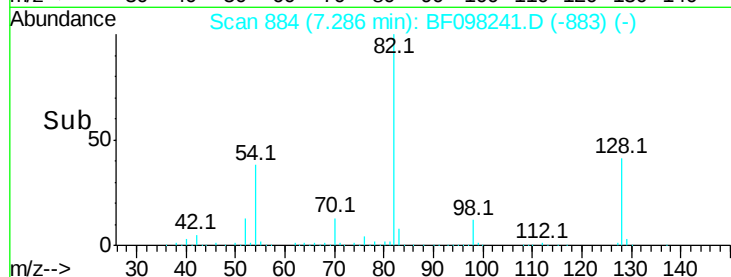
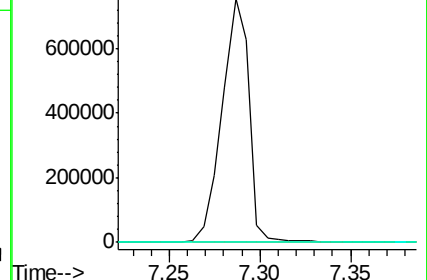
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 5.304 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

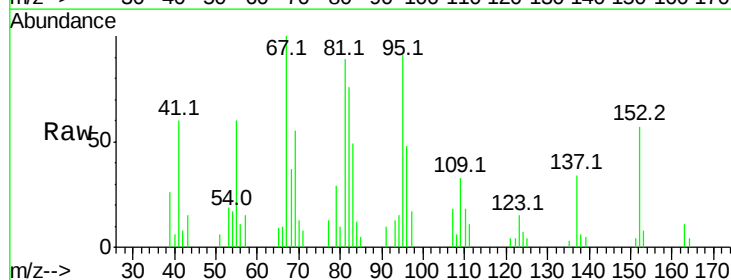
Tgt Ion:139 Resp: 158

Ion Ratio Lower Upper

139 100

109 683.9 21.0 31.6#

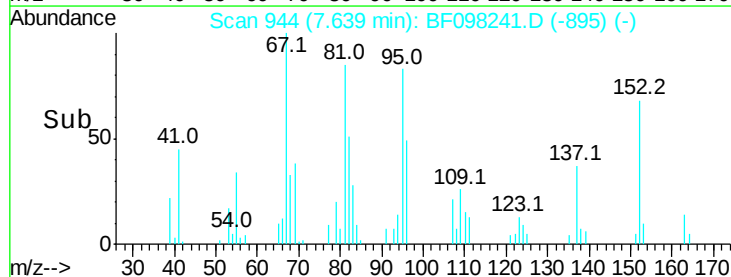
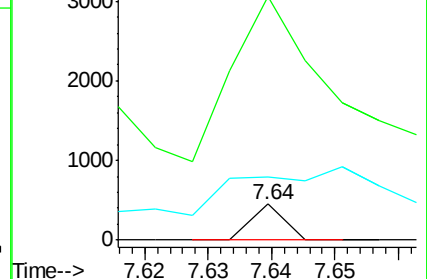
65 178.3 33.0 49.6#

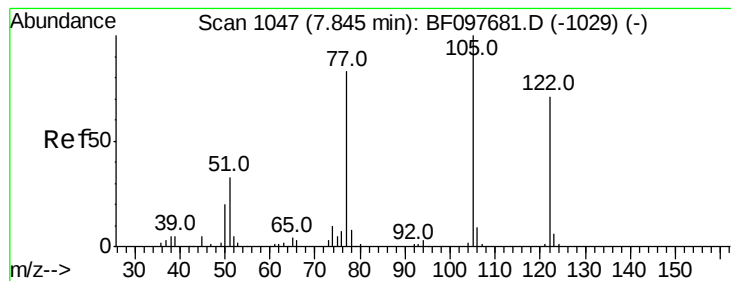


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#32

Benzoic acid

Concen: 6.480 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.04 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

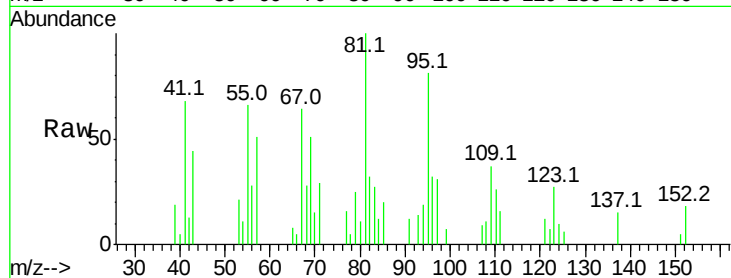
Tot Ion:122 Resp: 420

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

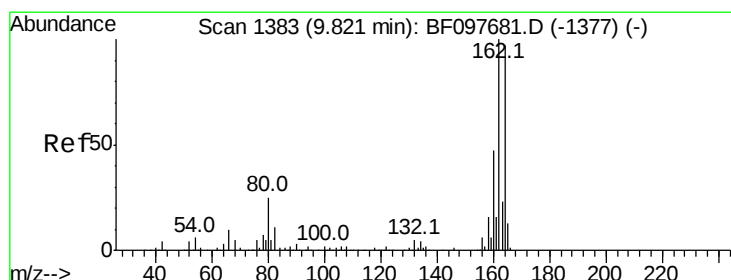
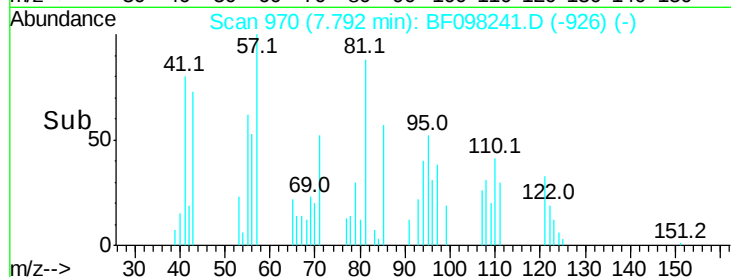
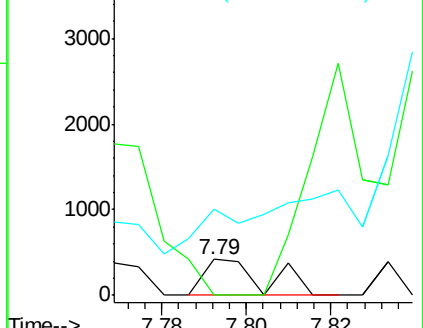
77 238.4 73.7 113.7#



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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

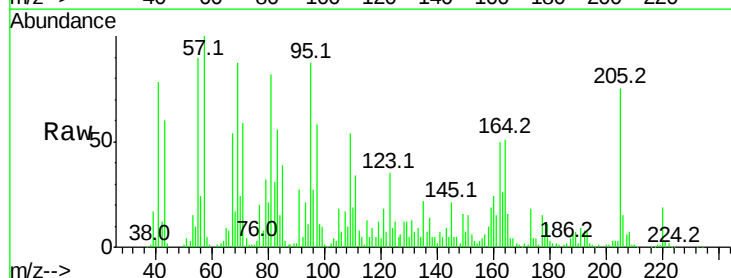
Tgt Ion:164 Resp: 123341

Ion Ratio Lower Upper

164 100

162 98.0 82.6 123.8

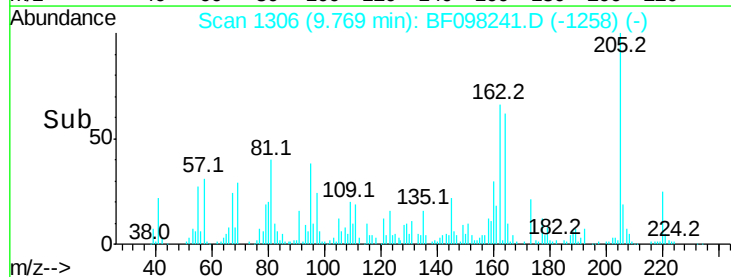
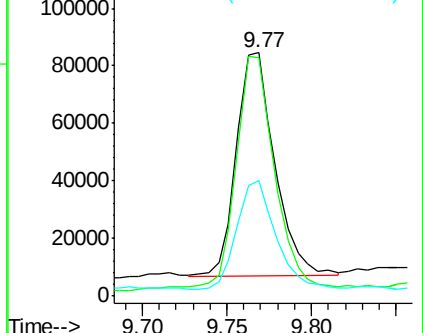
160 47.3 36.2 54.2

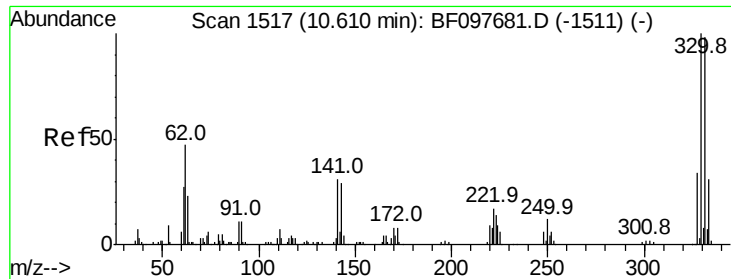


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 107.885 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.00 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

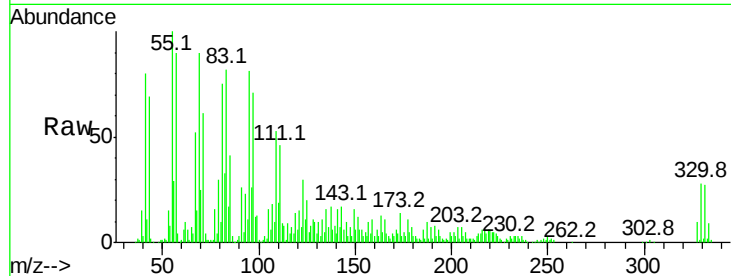
Tot Ion:330 Resp: 115457

Ion Ratio Lower Upper

330 100

332 98.2 76.6 115.0

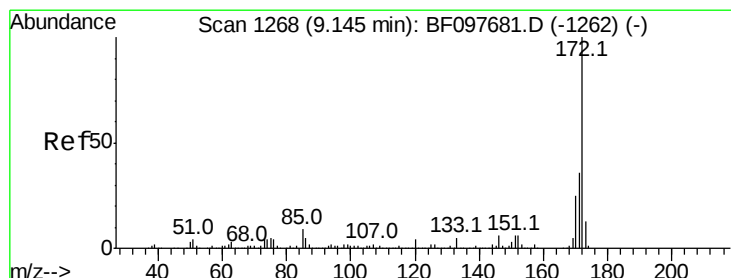
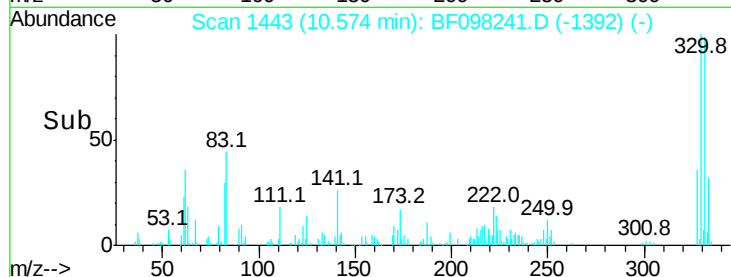
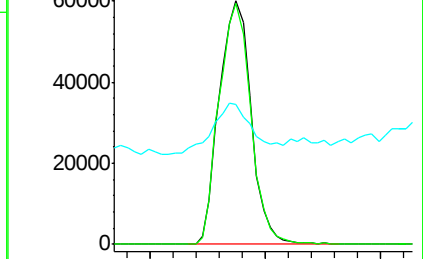
141 25.5 31.4 47.2#



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: 127.763 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

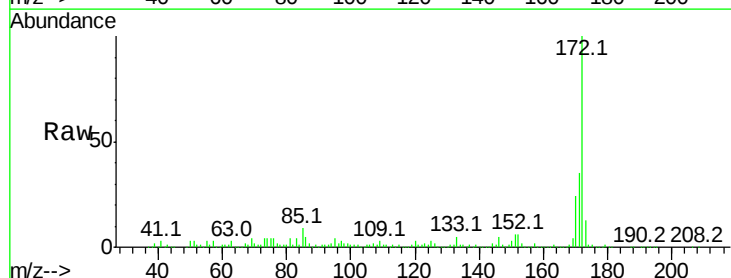
Tgt Ion:172 Resp: 1072585

Ion Ratio Lower Upper

172 100

171 35.3 29.6 44.4

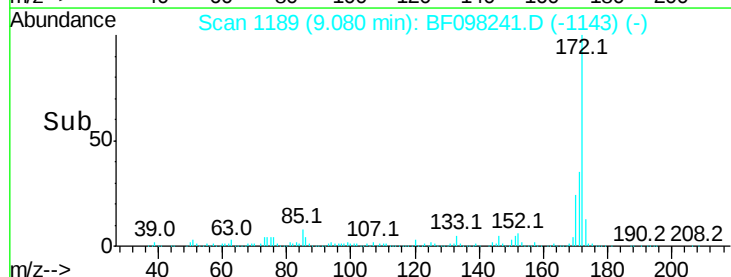
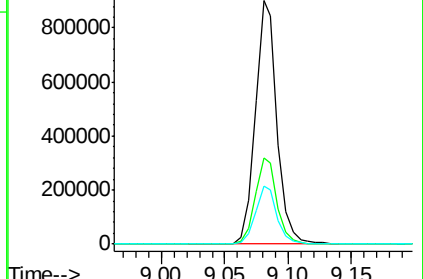
170 24.0 19.8 29.8

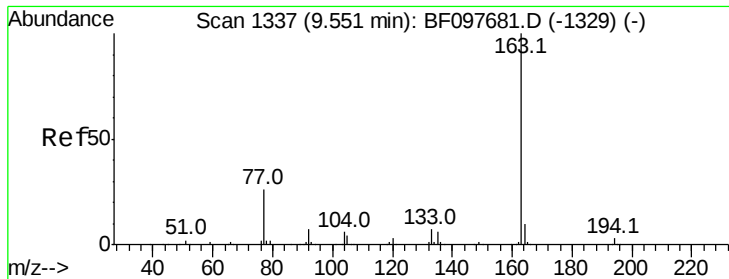


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

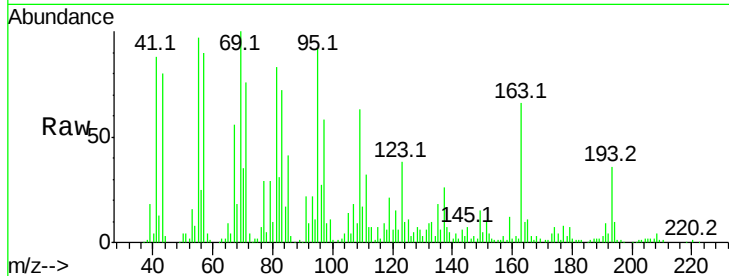




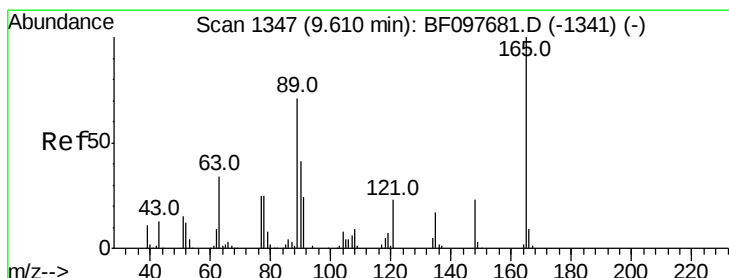
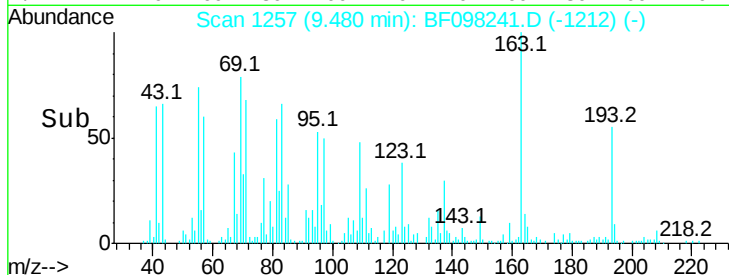
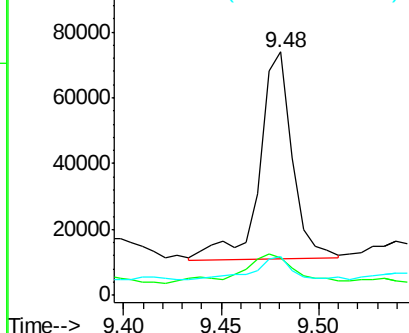
#49
Dimethylphthalate
Concen: 8.168 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tot Ion:163 Resp: 73646
Ion Ratio Lower Upper
163 100
194 15.4 2.6 4.0#
164 15.9 8.4 12.6#

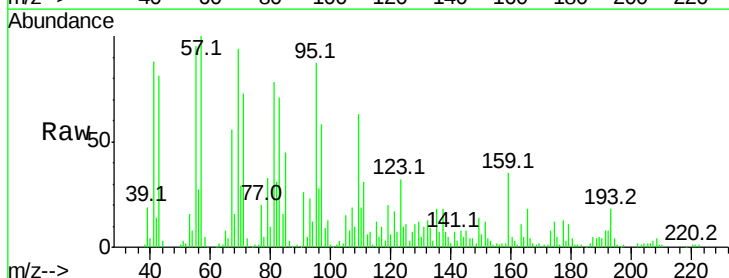


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

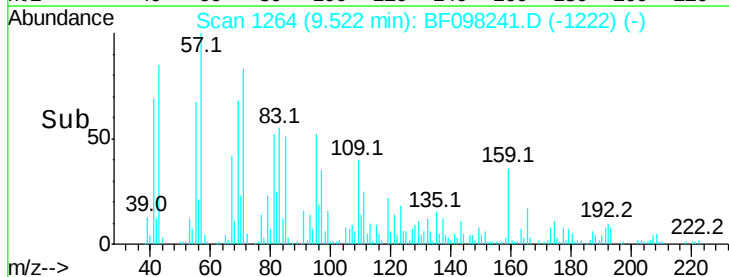
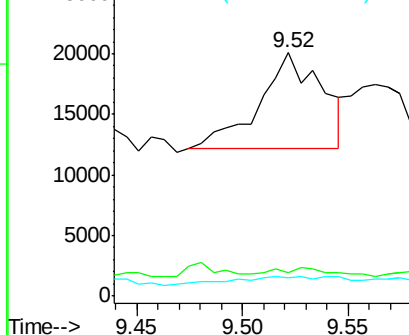


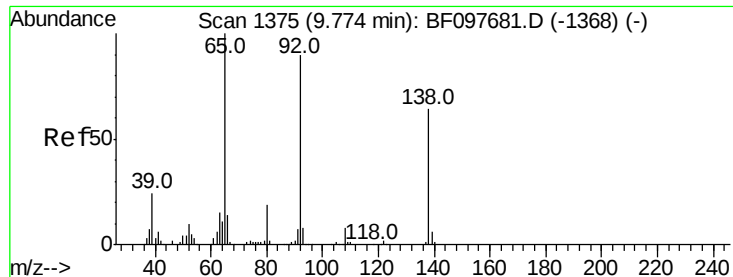
#50
2,6-Dinitrotoluene
Concen: 9.061 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.05 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

Tgt Ion:165 Resp: 16307
Ion Ratio Lower Upper
165 100
63 9.8 34.3 51.5#
89 7.8 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 3.785 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

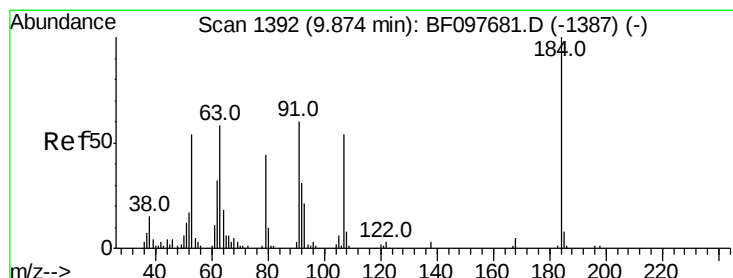
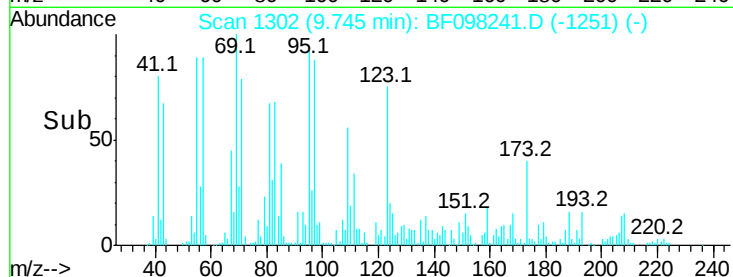
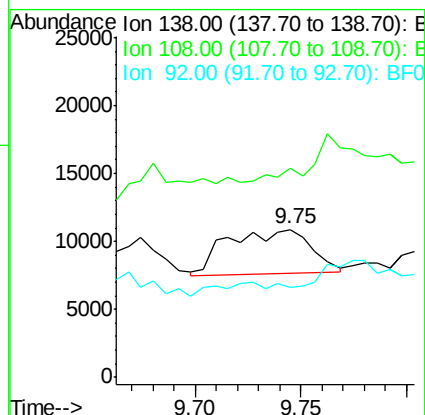
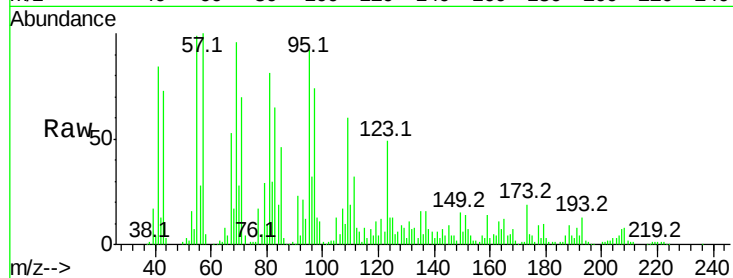
Tot Ion:138 Resp: 8789

Ion Ratio Lower Upper

138 100

108 141.9 9.1 13.7#

92 61.0 93.8 140.6#



#53

2,4-Dinitrophenol

Concen: 10.484 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

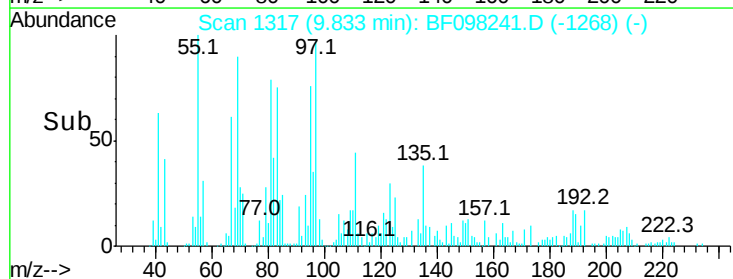
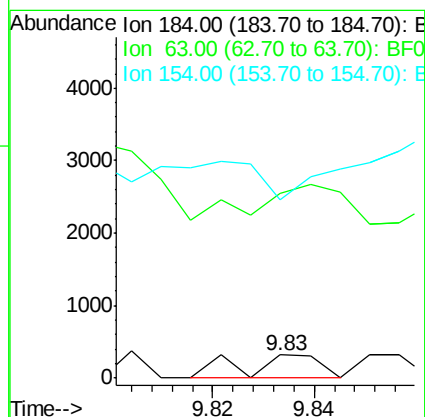
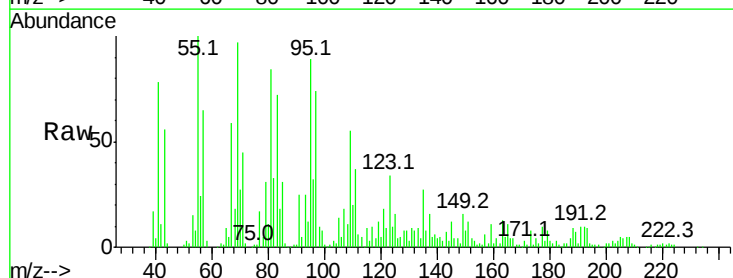
Tgt Ion:184 Resp: 335

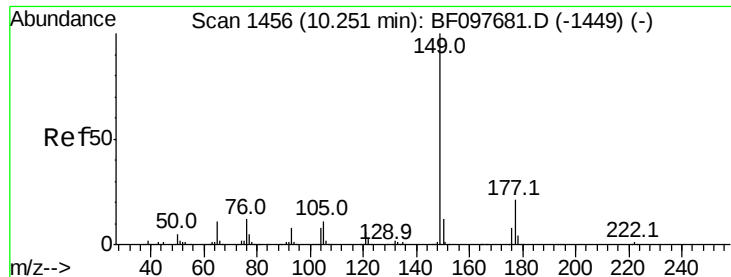
Ion Ratio Lower Upper

184 100

63 790.1 62.7 94.1#

154 765.5 81.1 121.7#

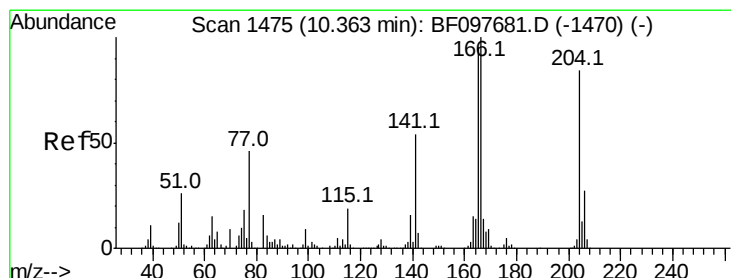
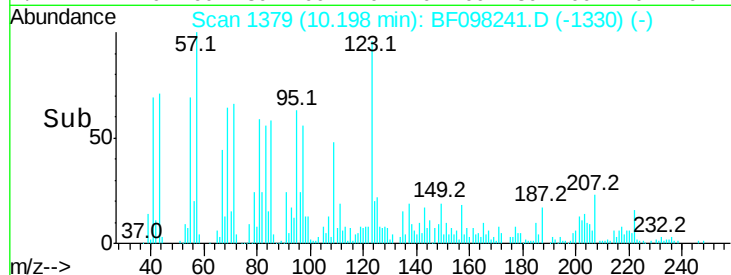
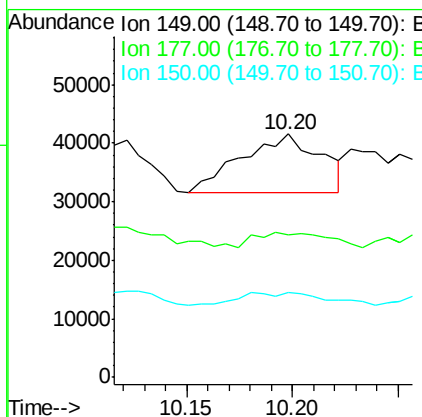
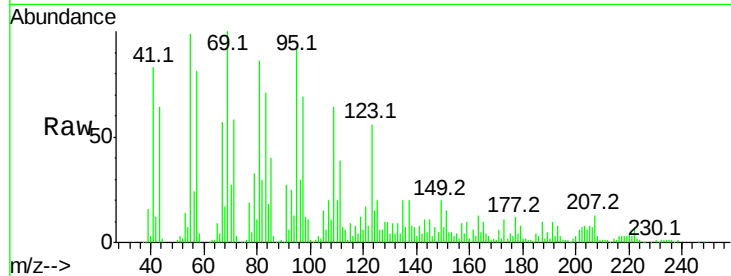




#59
Diethylphthalate
Concen: 2.797 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

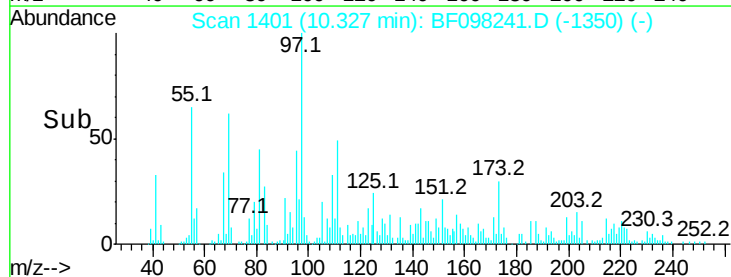
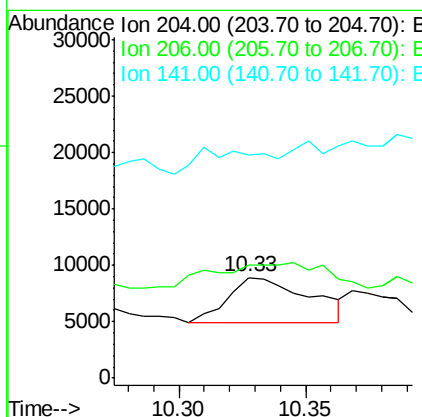
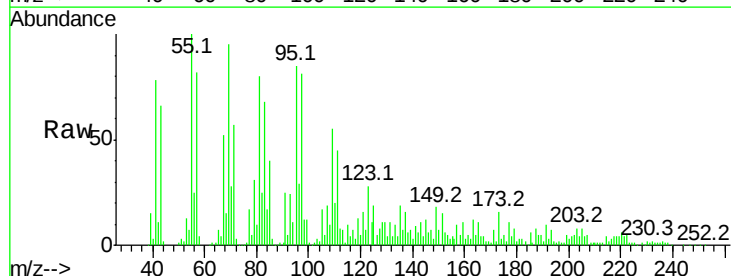
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

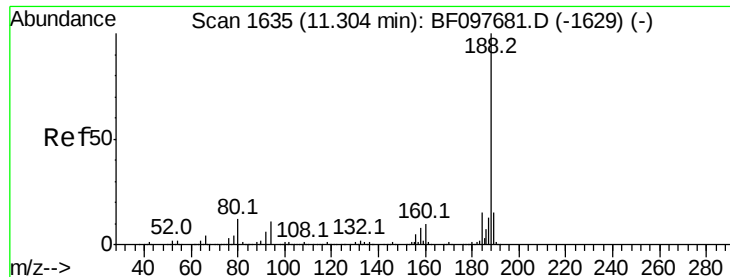
Tot Ion:149 Resp: 26370
Ion Ratio Lower Upper
149 100
177 58.7 16.7 25.1#
150 34.7 10.2 15.2#



#60
4-Chlorophenyl-phenylether
Concen: 2.208 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

Tgt Ion:204 Resp: 8750
Ion Ratio Lower Upper
204 100
206 112.0 26.2 39.2#
141 222.3 60.8 91.2#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.03 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

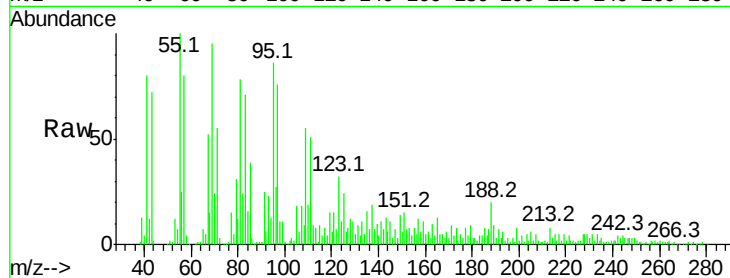
Tot Ion:188 Resp: 78280

Ion Ratio Lower Upper

188 100

94 66.4 9.4 14.2#

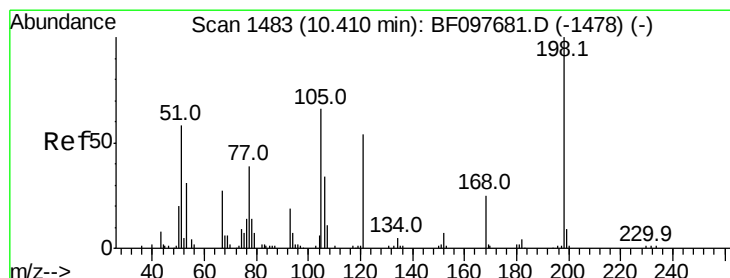
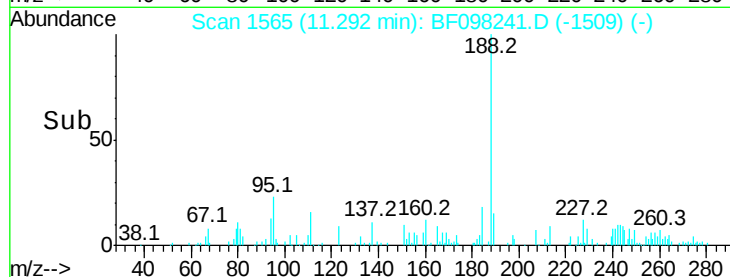
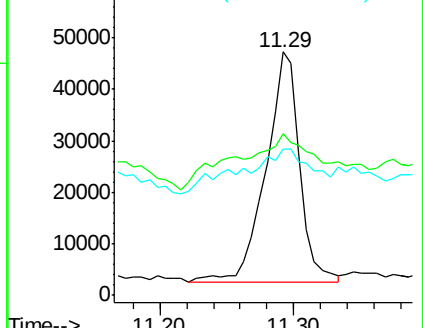
80 60.1 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 9.898 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.02 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

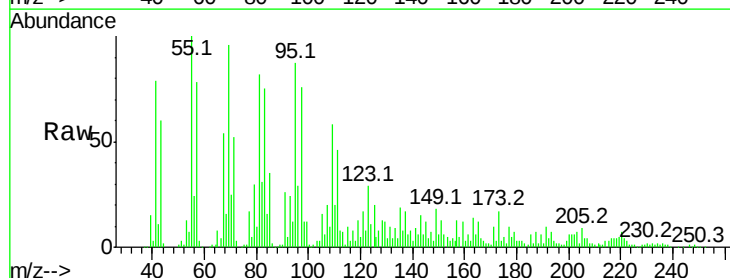
Tgt Ion:198 Resp: 704

Ion Ratio Lower Upper

198 100

51 524.2 53.2 93.2#

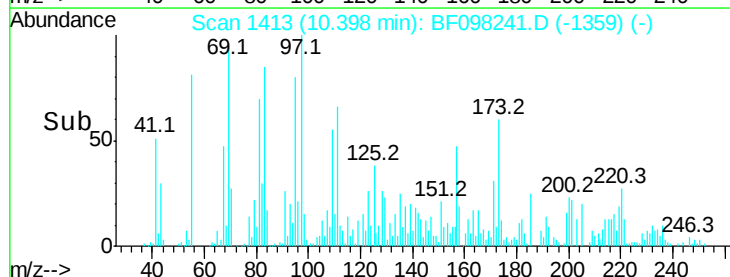
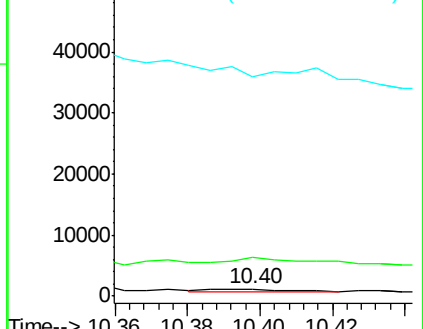
105 2953.7 45.8 85.8#

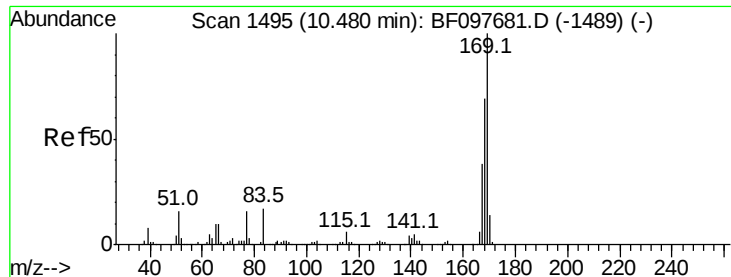


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

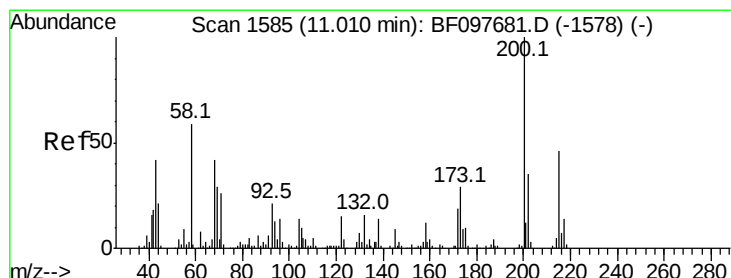
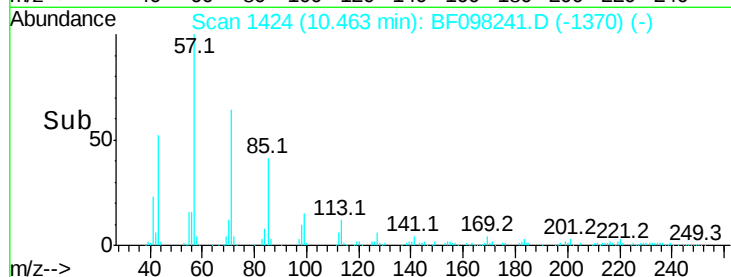
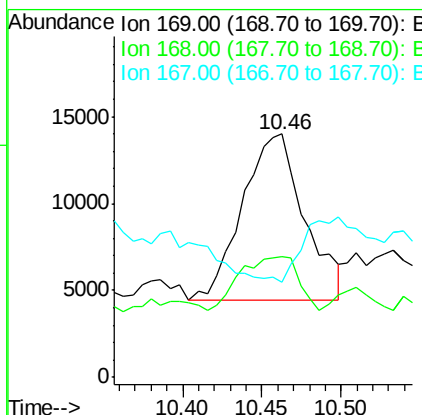
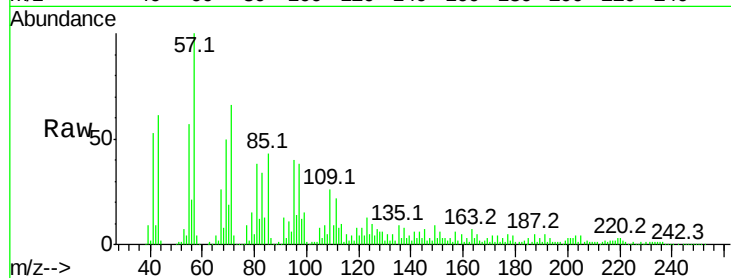




#65
n-Nitrosodiphenylamine
Concen: 9.760 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.02 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

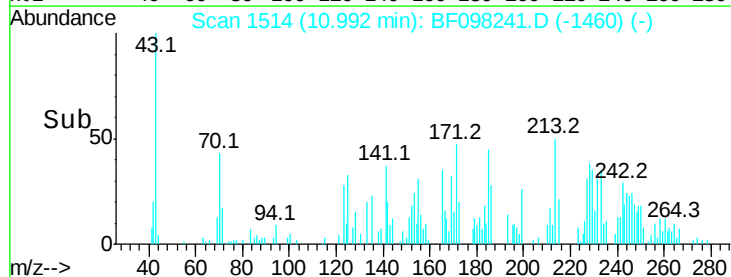
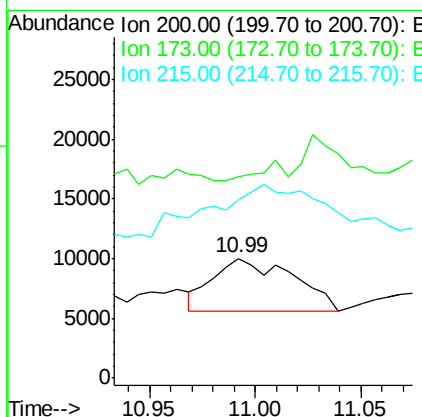
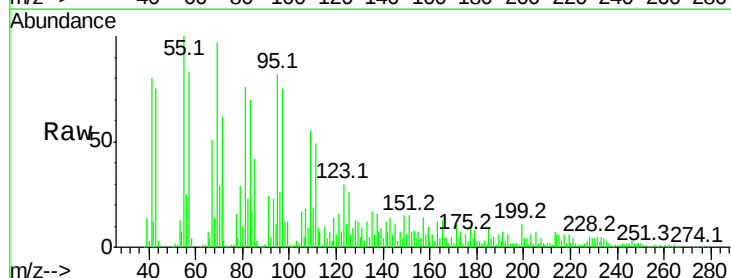
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

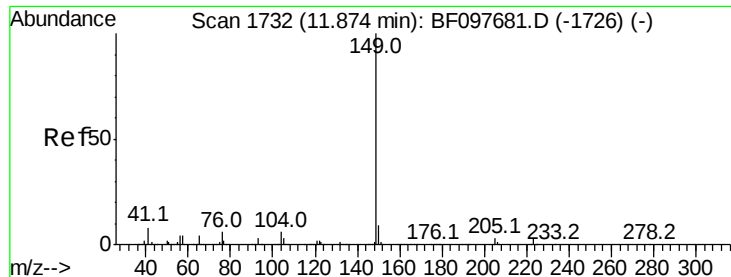
Tot Ion:169 Resp: 26017
Ion Ratio Lower Upper
169 100
168 49.8 53.2 79.8#
167 38.9 29.5 44.3



#68
Atrazine
Concen: 16.632 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.02 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

Tgt Ion:200 Resp: 11758
Ion Ratio Lower Upper
200 100
173 167.7 6.3 46.3#
215 148.2 27.2 67.2#

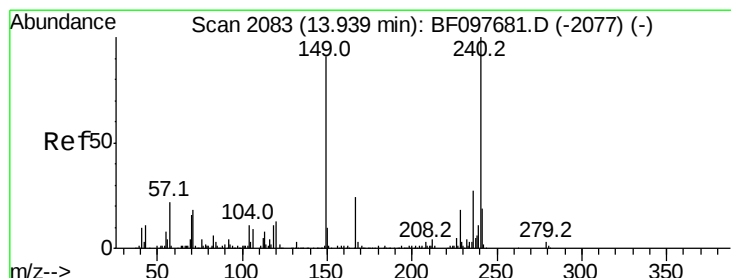
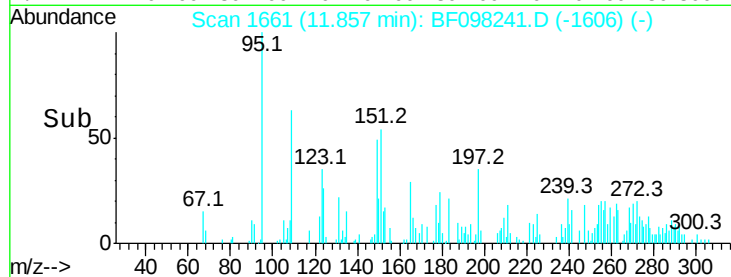
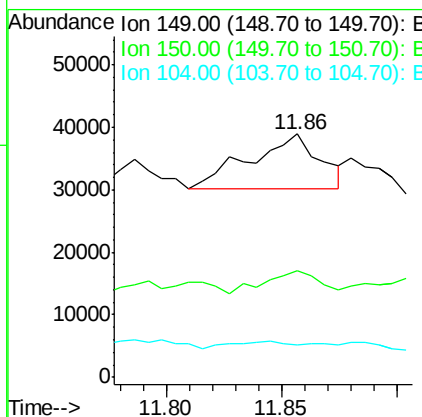
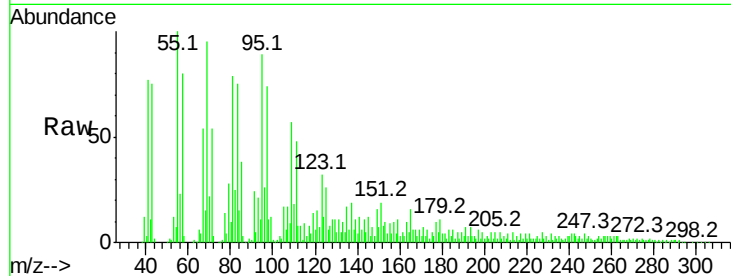




#73
Di-n-butylphthalate
Concen: 4.015 ng
RT: 11.86 min Scan# 1661
Delta R.T. 0.02 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

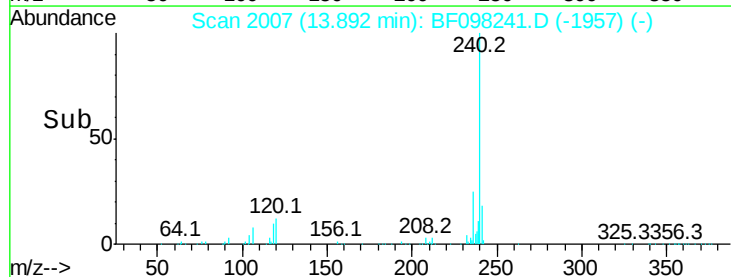
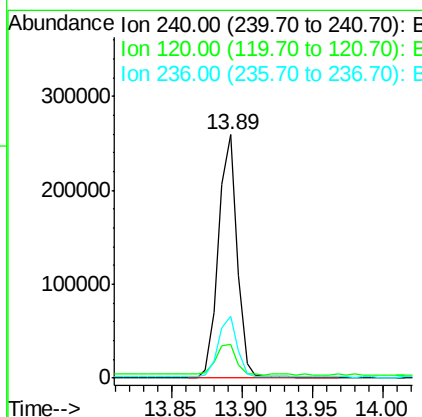
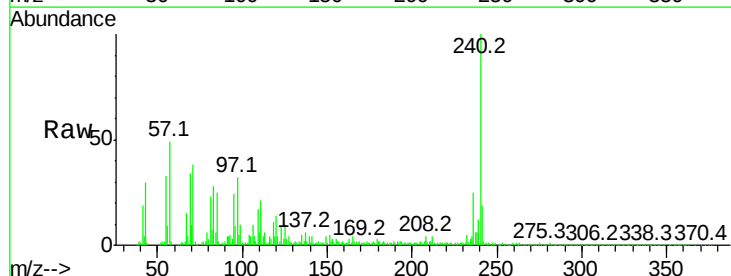
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

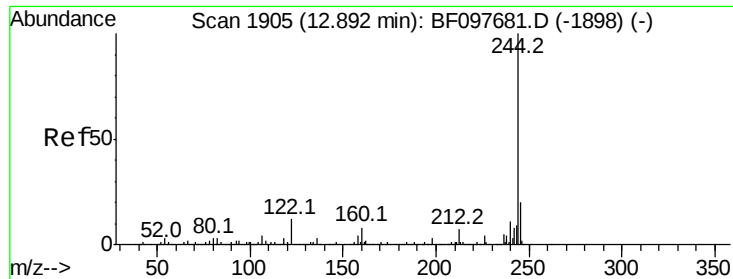
Tot Ion:149 Resp: 18571
Ion Ratio Lower Upper
149 100
150 44.0 7.7 11.5#
104 13.5 4.0 6.0#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF098241.D
Acq: 1 Sep 2017 21:55

Tgt Ion:240 Resp: 237326
Ion Ratio Lower Upper
240 100
120 13.8 5.8 8.8#
236 25.3 20.5 30.7





#78

Terphenyl-d14

Concen: 40.589 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.02 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

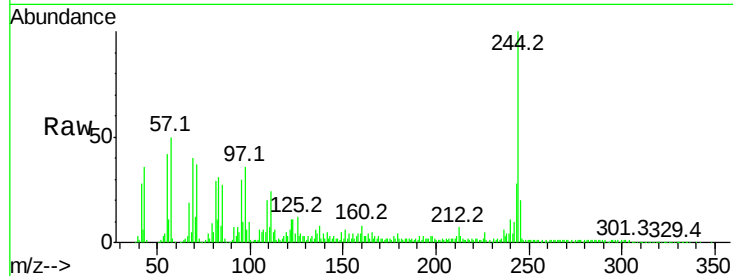
Tot Ion:244 Resp: 461937

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

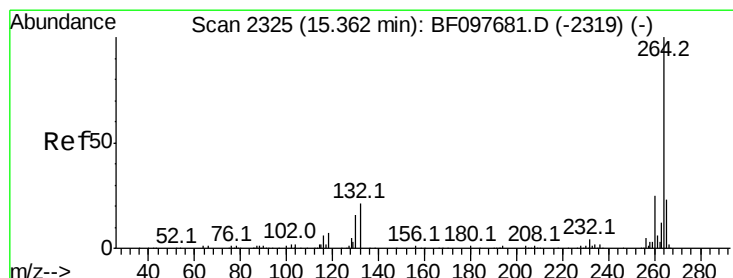
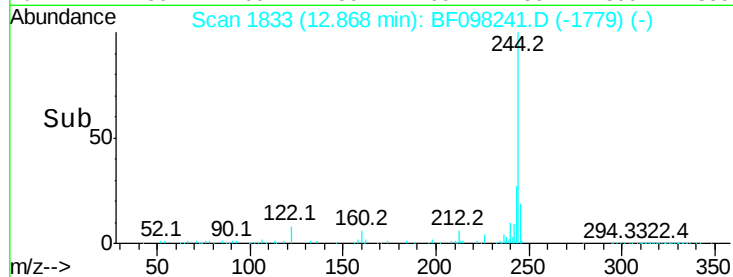
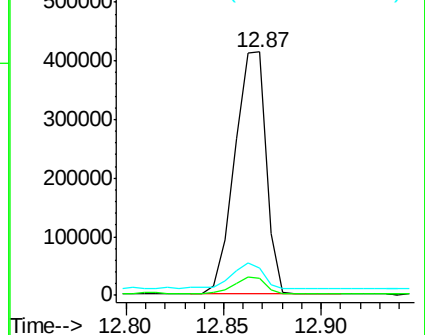
122 11.3 10.3 15.5



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: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BF098241.D

Acq: 1 Sep 2017 21:55

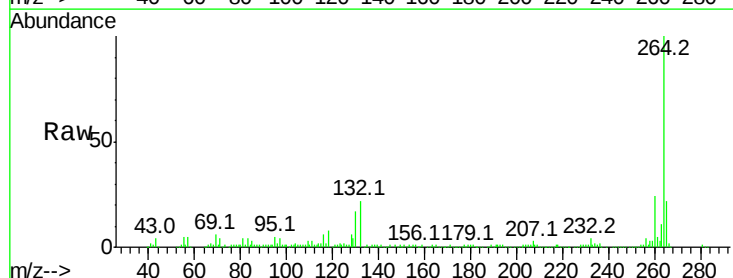
Tgt Ion:264 Resp: 196147

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 22.0 17.2 25.8



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

