

Data Path : Z:\HPCHEM1\BNA_F\Data\BF090517\
 Data File : BF098271.D
 Acq On : 5 Sep 2017 12:47
 Operator : SJ/JU
 Sample : I5048-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONESRE

Quant Time: Sep 05 17:28:26 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	117205	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	443493	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	133736	20.00	ng	0.01
63) Phenanthrene-d10	11.27	188	94581	20.00	ng	0.05
75) Chrysene-d12	13.87	240	214048	20.00	ng	0.00
86) Perylene-d12	15.27	264	235080	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	983381	127.62	ng	0.01
7) Phenol-d6	6.35	99	1371453	131.00	ng	0.00
23) Nitrobenzene-d5	7.27	82	823356	100.85	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	127509	109.89	ng	0.02
44) 2-Fluorobiphenyl	9.07	172	1129900	124.13	ng	0.00
78) Terphenyl-d14	12.84	244	477658	46.54	ng	0.03

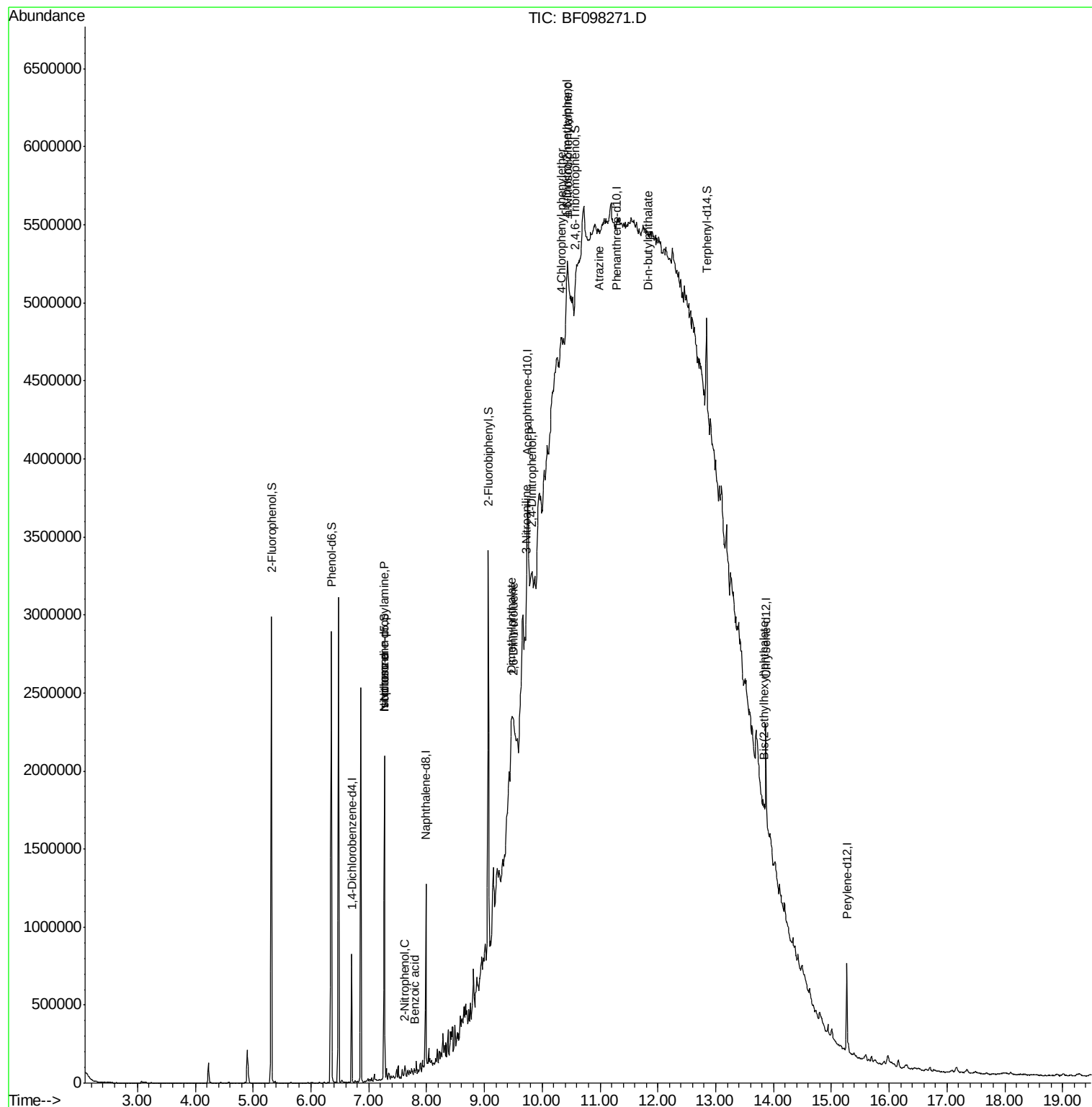
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	109395	15.264	ng	# 71
25) Isophorone	7.27	82	811749	47.819	ng	# 67
26) 2-Nitrophenol	7.63	139	158	5.301	ng	# 1
32) Benzoic acid	7.79	122	786	6.536	ng	# 33
49) Dimethylphthalate	9.46	163	77952	7.974	ng	# 83
50) 2,6-Dinitrotoluene	9.51	165	29634	15.187	ng	# 47
52) 3-Nitroaniline	9.72	138	5042	2.003	ng	# 23
53) 2,4-Dinitrophenol	9.82	184	388	10.507	ng	# 1
60) 4-Chlorophenyl-phenylether	10.32	204	10300	2.398	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.43	198	582	9.400	ng	# 1
65) n-Nitrosodiphenylamine	10.45	169	20310	6.306	ng	# 84
68) Atrazine	10.98	200	14604	17.098	ng	# 1
73) Di-n-butylphthalate	11.83	149	17369	3.108	ng	# 30
83) Bis(2-ethylhexyl)phthalate	13.84	149	18375	2.471	ng	# 86

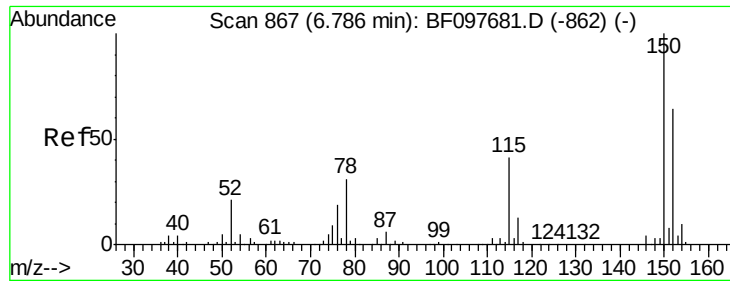
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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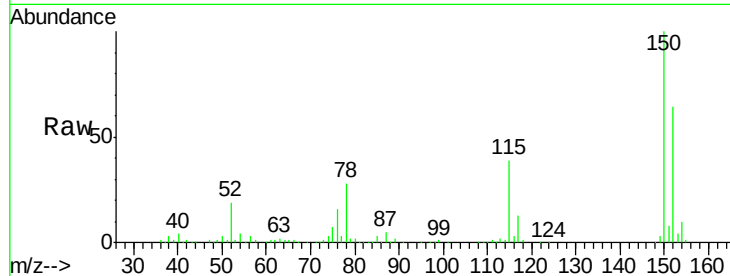


#1

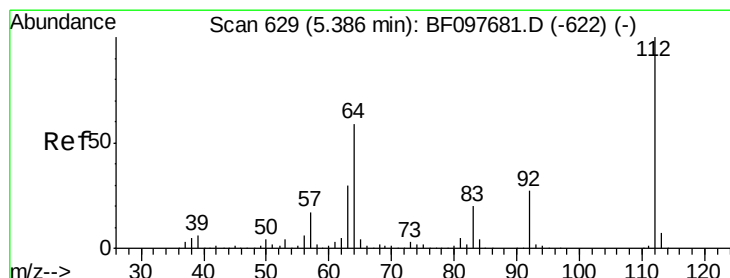
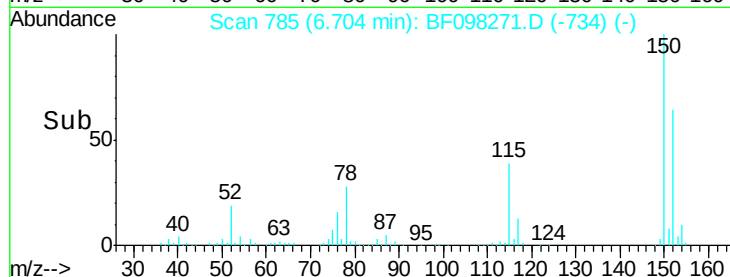
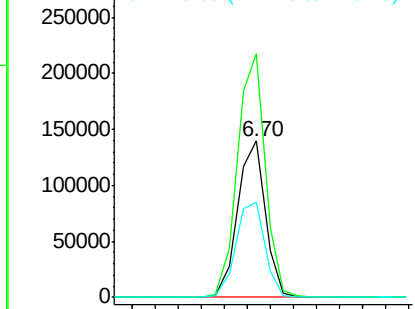
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

Instrument :
BNA_F
ClientSampleId :
OILY-STONESRE

Tgt Ion:152 Resp: 117205
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 61.1 52.2 78.2



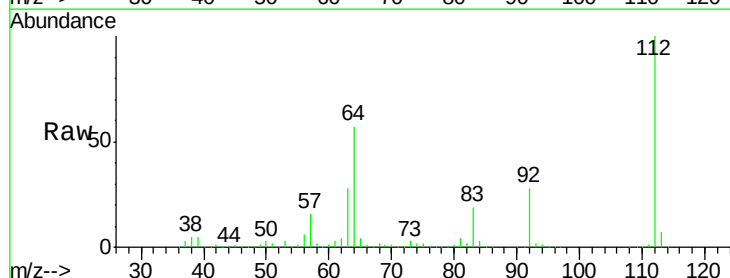
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



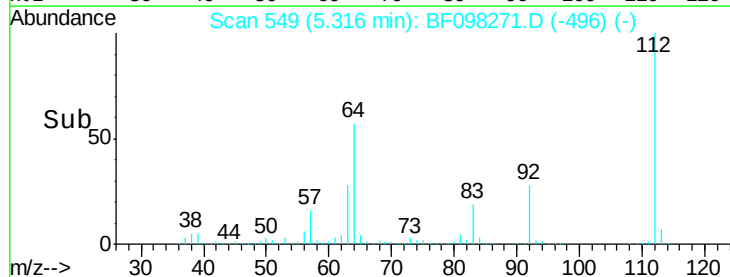
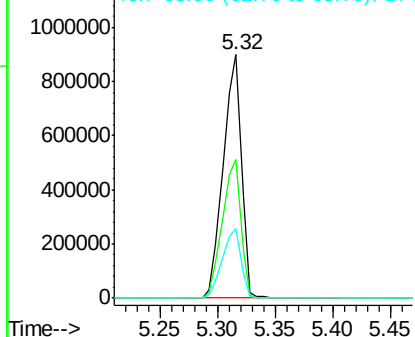
#5

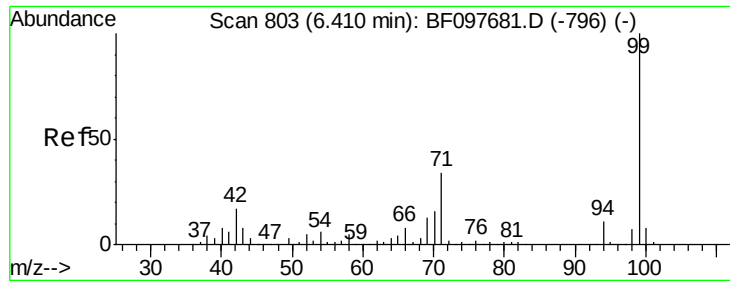
2-Fluorophenol
Concen: 127.622 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

Tgt Ion:112 Resp: 983381
Ion Ratio Lower Upper
112 100
64 57.0 46.0 69.0
63 28.4 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: 130.996 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

OILY-STONESRE

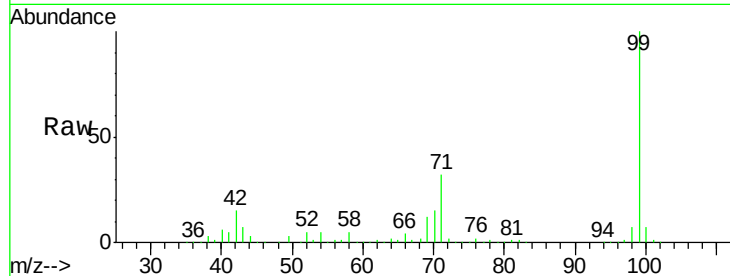
Tgt Ion: 99 Resp: 1371453

Ion Ratio Lower Upper

99 100

42 14.5 13.5 20.3

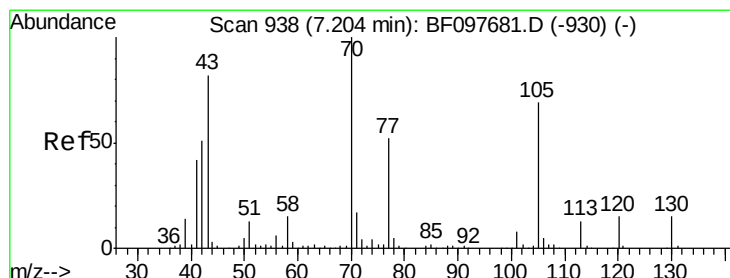
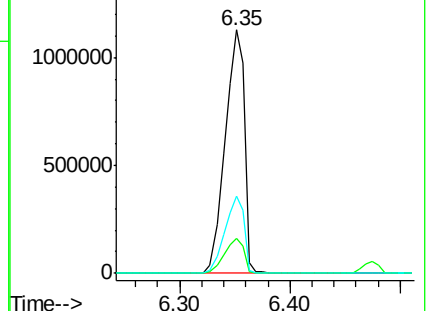
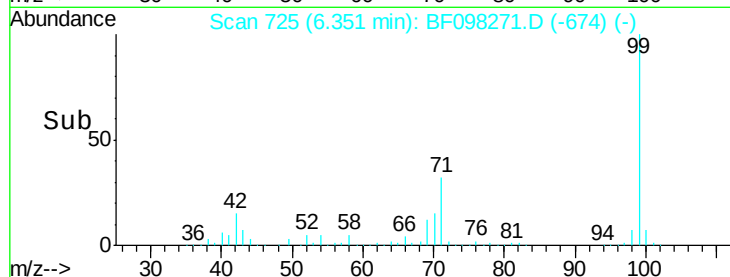
71 31.8 24.5 36.7



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: 15.264 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Tgt Ion: 70 Resp: 109395

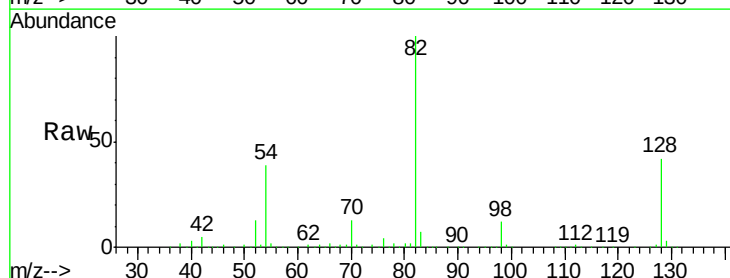
Ion Ratio Lower Upper

70 100

42 39.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

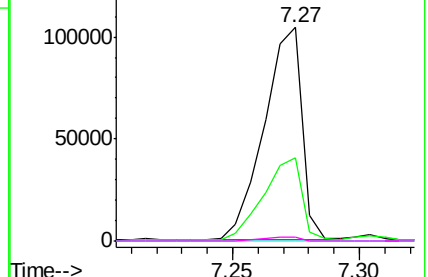
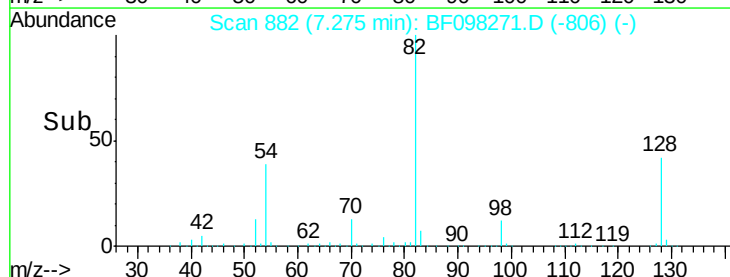


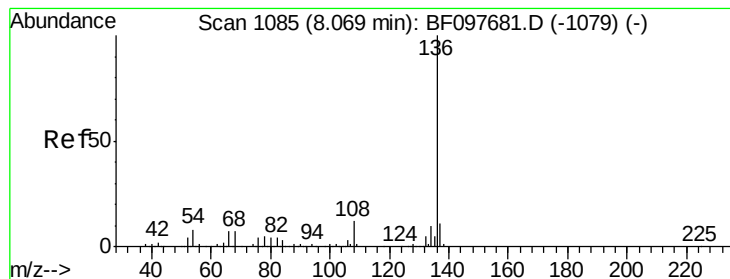
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

OILY-STONESRE

Tgt Ion:136 Resp: 443493

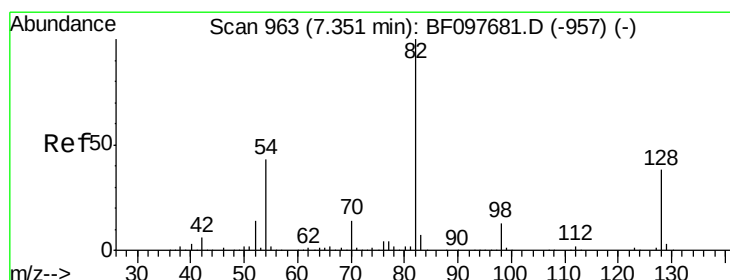
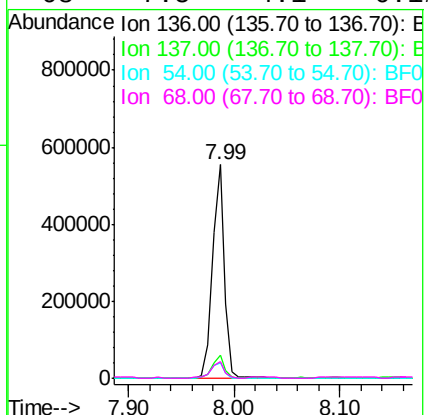
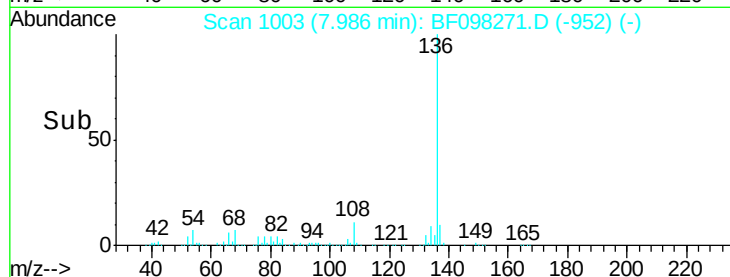
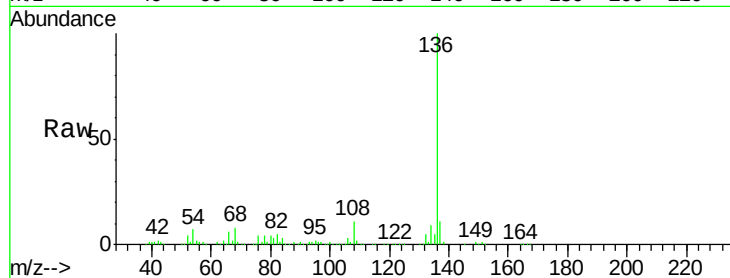
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.2 4.9 7.3

68 7.5 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 100.855 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.00 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

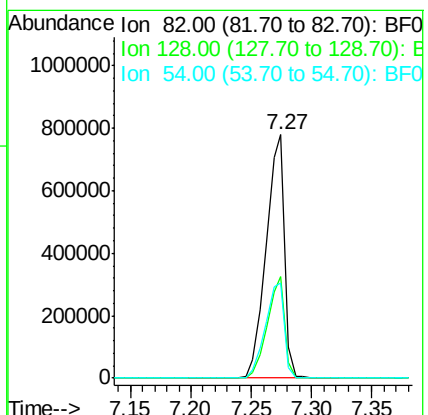
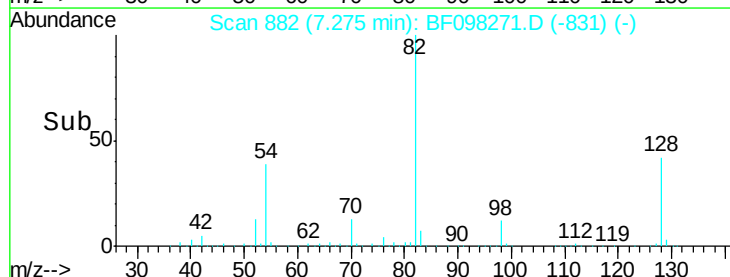
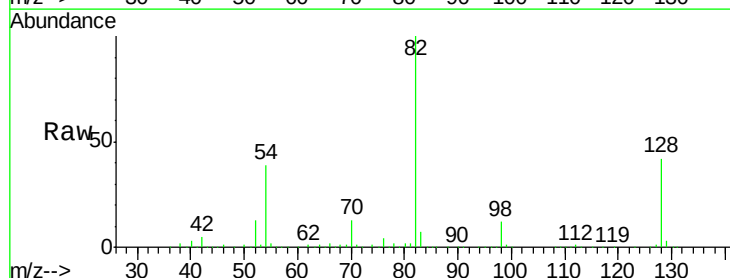
Tgt Ion: 82 Resp: 823356

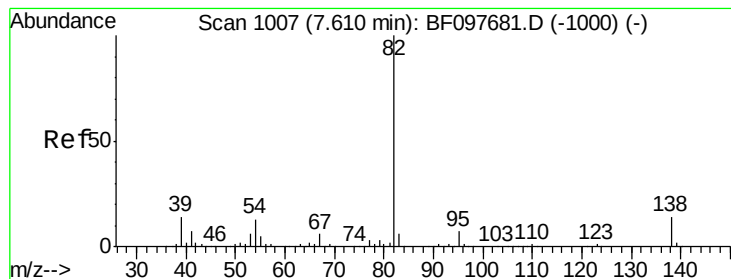
Ion Ratio Lower Upper

82 100

128 41.8 34.0 51.0

54 39.2 42.2 63.2#





#25

Isophorone

Concen: 47.819 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

OILY-STONESRE

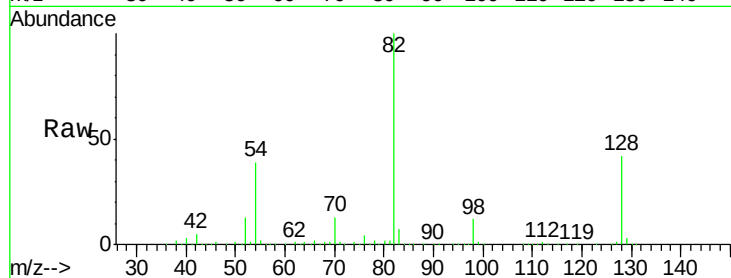
Tgt Ion: 82 Resp: 811749

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

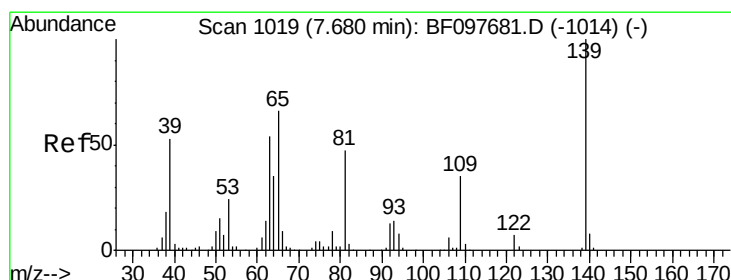
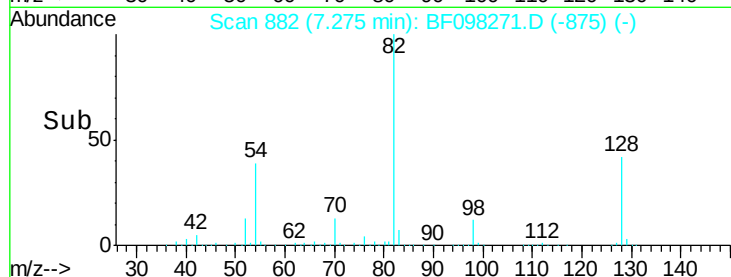
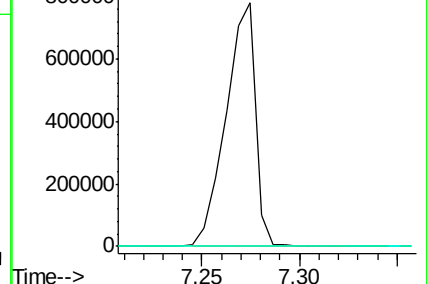
138 0.0 13.1 19.7#



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: 5.301 ng

RT: 7.63 min Scan# 942

Delta R.T. 0.02 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

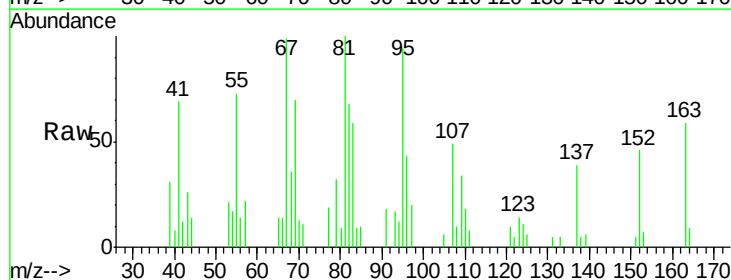
Tgt Ion: 139 Resp: 158

Ion Ratio Lower Upper

139 100

109 557.5 21.0 31.6#

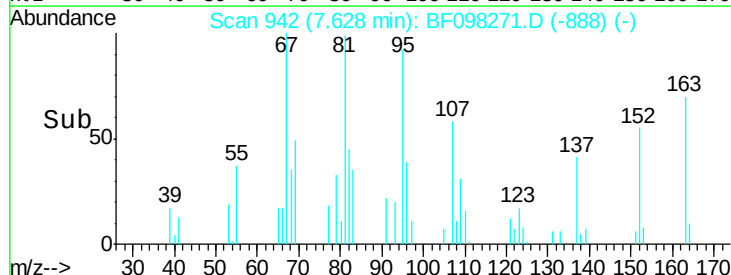
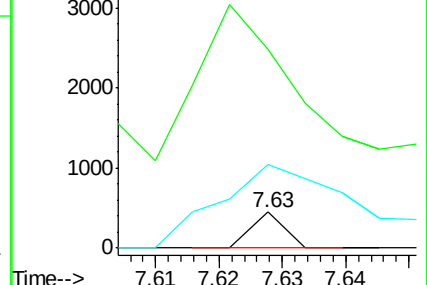
65 232.7 33.0 49.6#

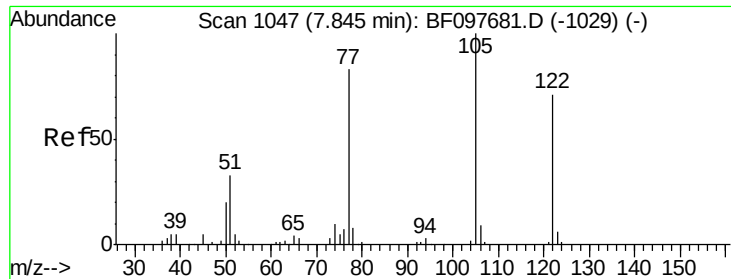


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

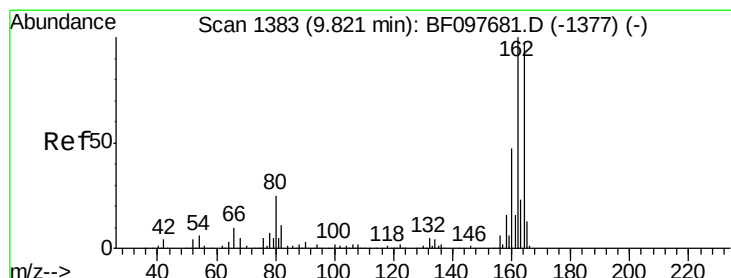
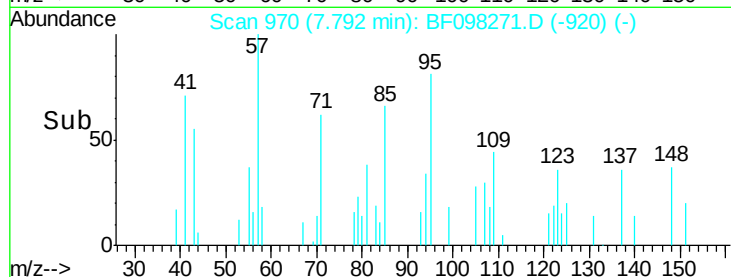
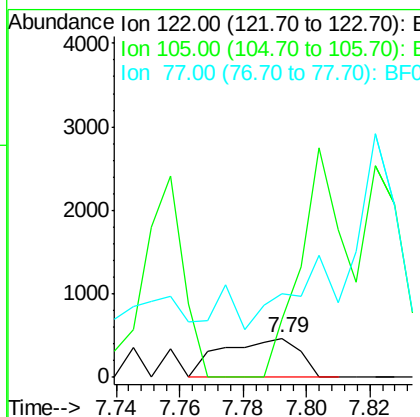
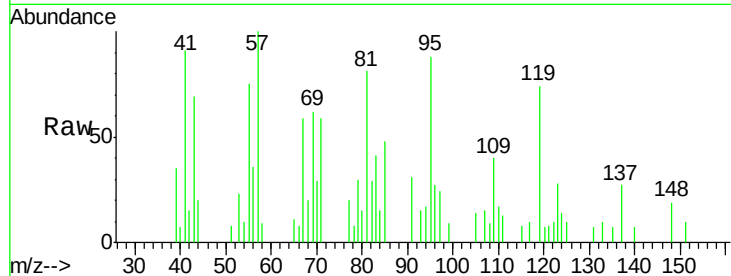




#32
Benzoic acid
Concen: 6.536 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

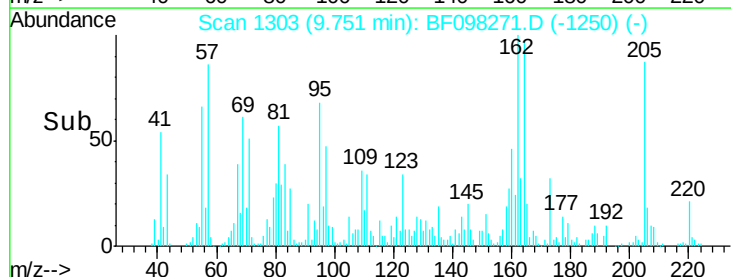
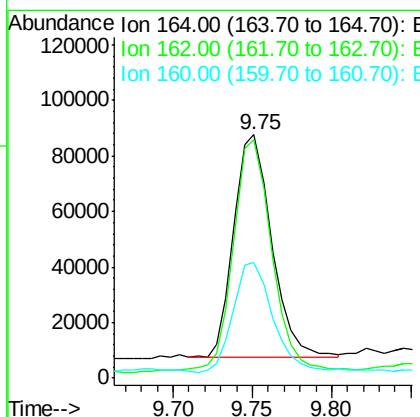
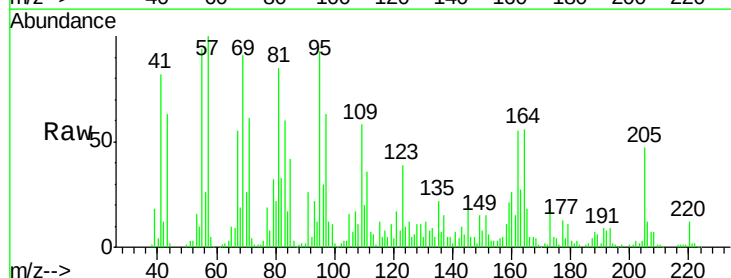
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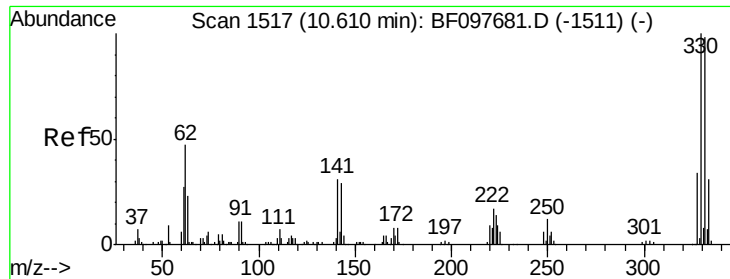
Tgt Ion:122 Resp: 786
Ion Ratio Lower Upper
122 100
105 149.5 103.3 143.3#
77 213.5 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

Tgt Ion:164 Resp: 133736
Ion Ratio Lower Upper
164 100
162 98.1 82.6 123.8
160 47.5 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 109.886 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.02 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

OILY-STONESRE

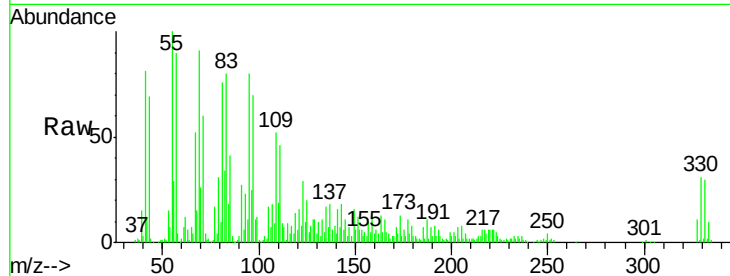
Tgt Ion:330 Resp: 127509

Ion Ratio Lower Upper

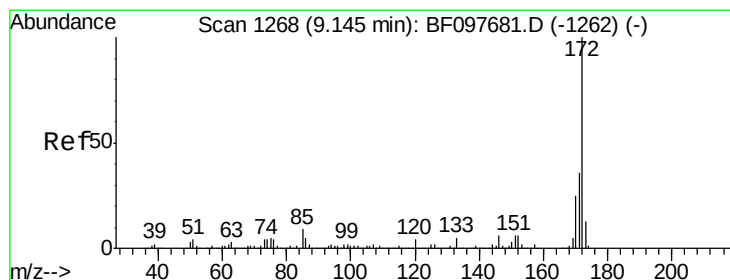
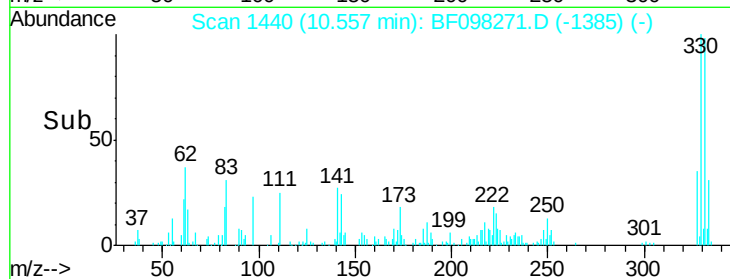
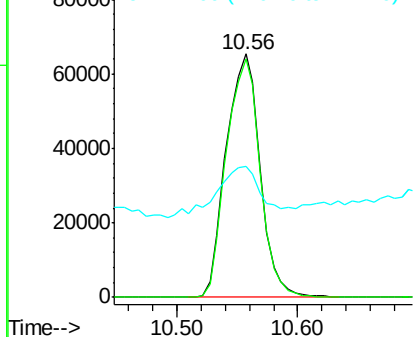
330 100

332 97.6 76.6 115.0

141 26.2 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: 124.129 ng

RT: 9.07 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

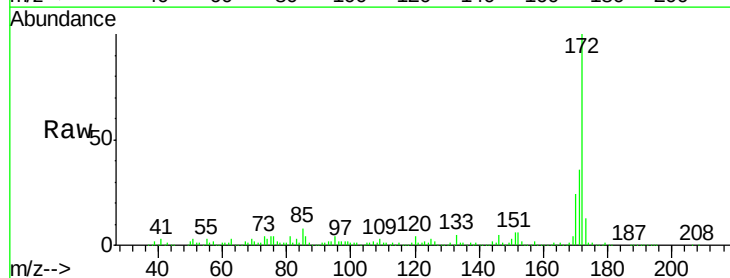
Tgt Ion:172 Resp: 1129900

Ion Ratio Lower Upper

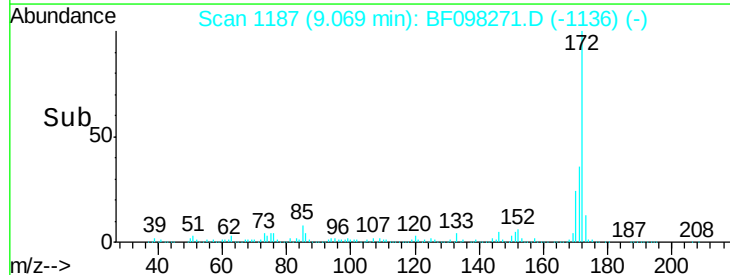
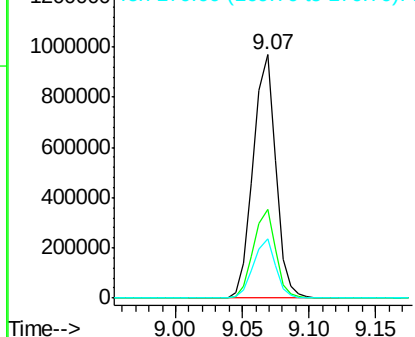
172 100

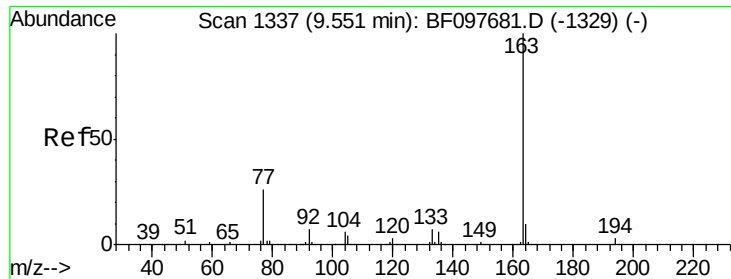
171 36.3 29.6 44.4

170 24.1 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

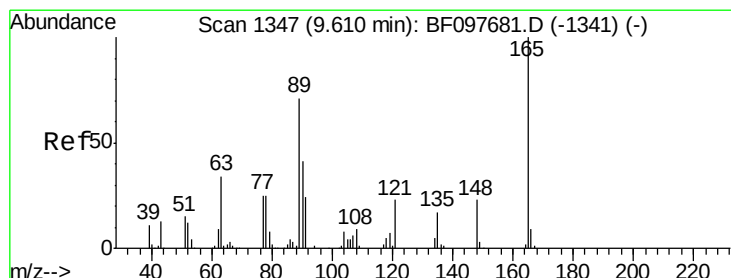
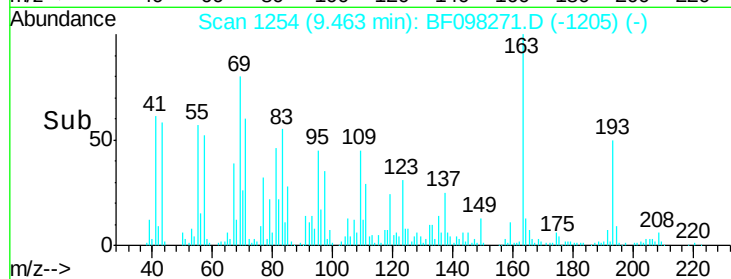
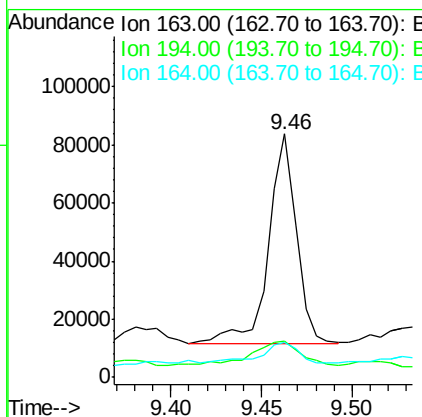
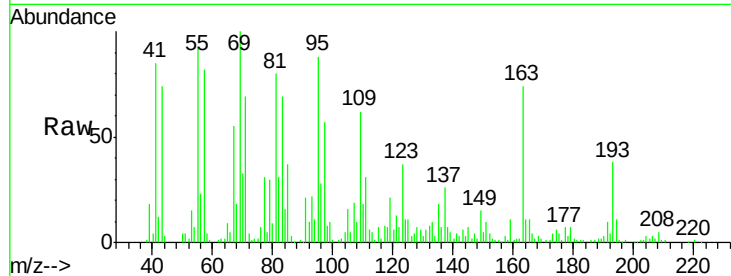




#49
Dimethylphthalate
Concen: 7.974 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

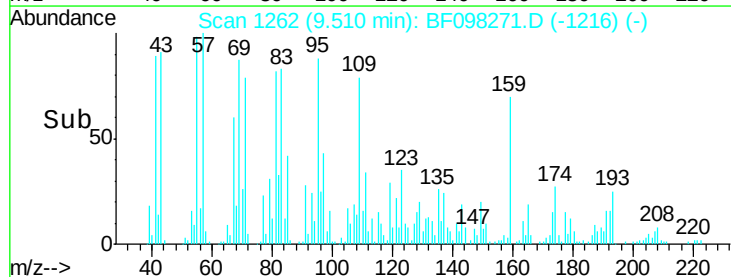
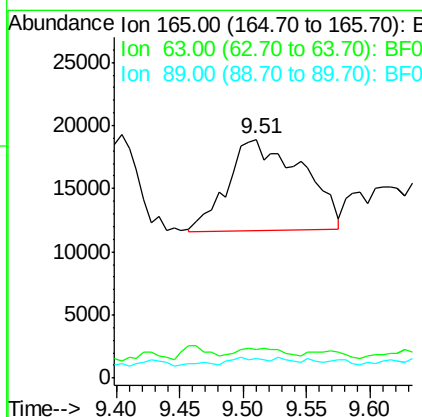
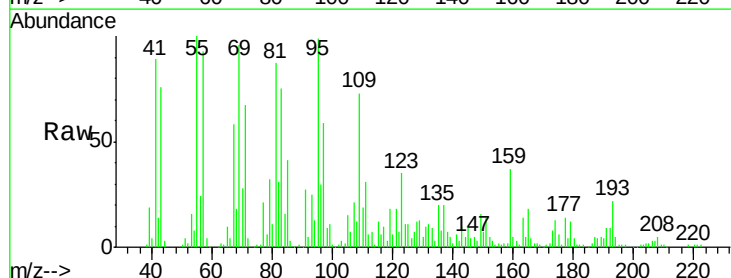
Instrument :
BNA_F
ClientSampleId :
OILY-STONESRE

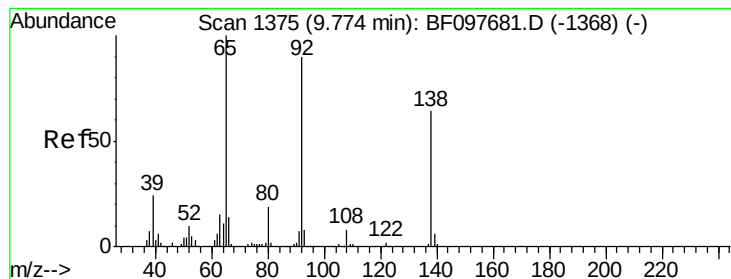
Tgt Ion:163 Resp: 77952
Ion Ratio Lower Upper
163 100
194 15.0 2.6 4.0#
164 14.6 8.4 12.6#



#50
2,6-Dinitrotoluene
Concen: 15.187 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

Tgt Ion:165 Resp: 29634
Ion Ratio Lower Upper
165 100
63 11.8 34.3 51.5#
89 8.0 37.1 55.7#





#52

3-Nitroaniline

Concen: 2.003 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

OILY-STONESRE

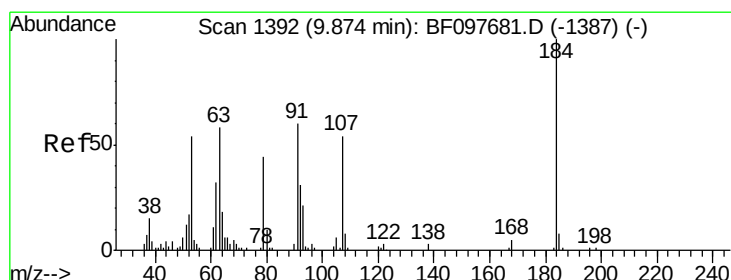
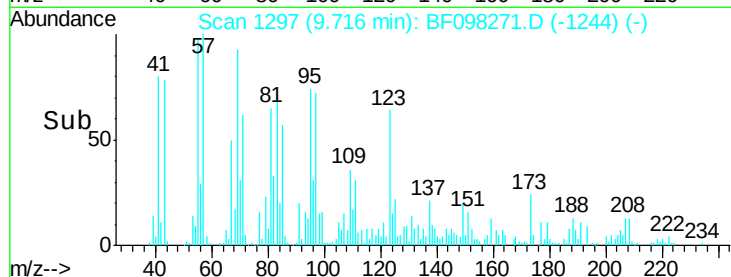
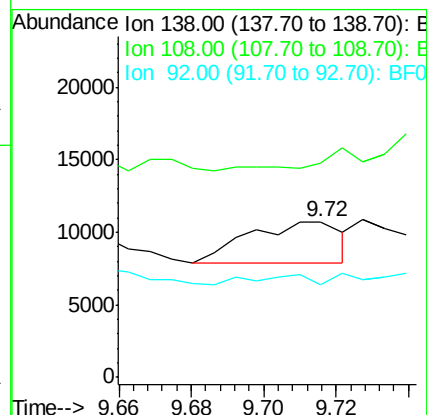
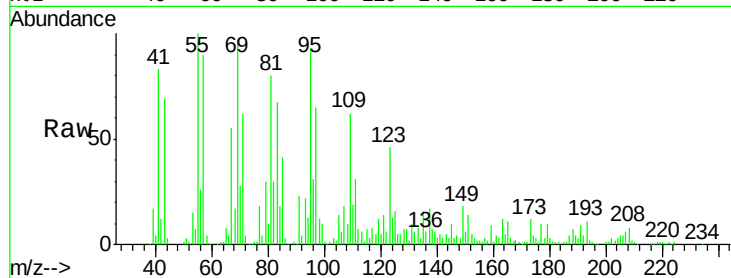
Tgt Ion:138 Resp: 5042

Ion Ratio Lower Upper

138 100

108 137.7 9.1 13.7#

92 59.2 93.8 140.6#



#53

2,4-Dinitrophenol

Concen: 10.507 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

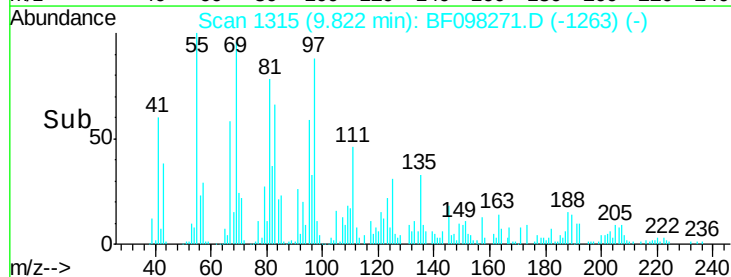
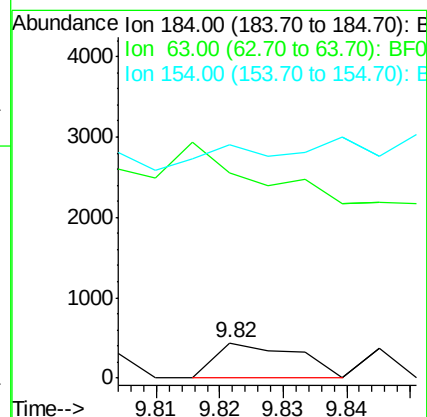
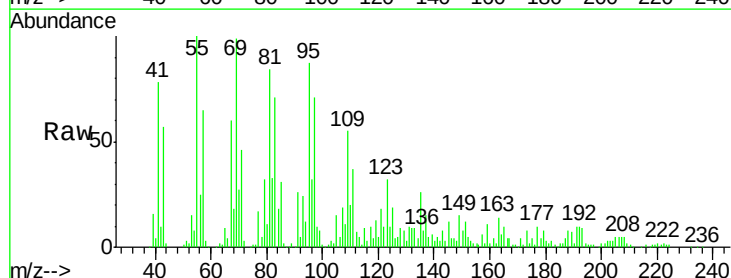
Tgt Ion:184 Resp: 388

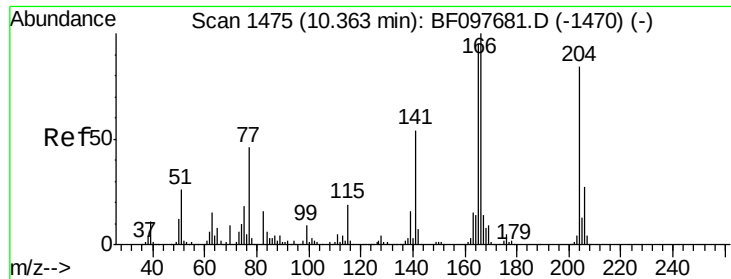
Ion Ratio Lower Upper

184 100

63 583.5 62.7 94.1#

154 663.6 81.1 121.7#

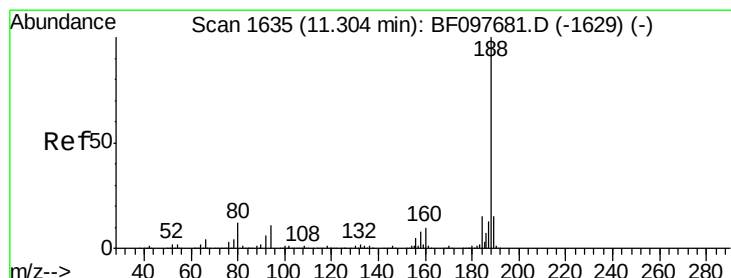
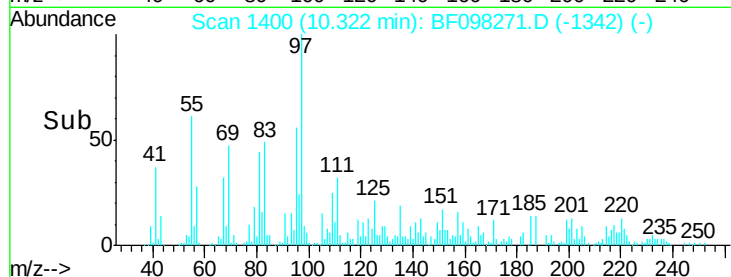
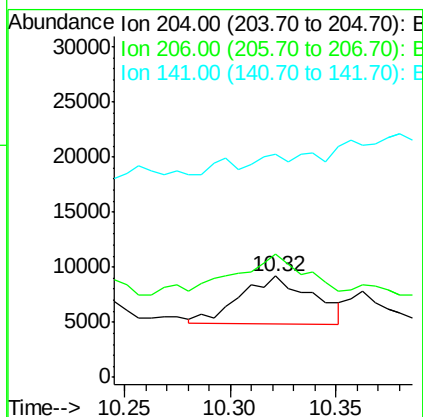
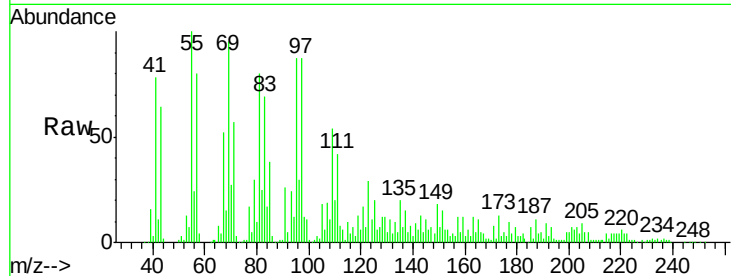




#60
4-Chlorophenyl-phenylether
Concen: 2.398 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.04 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

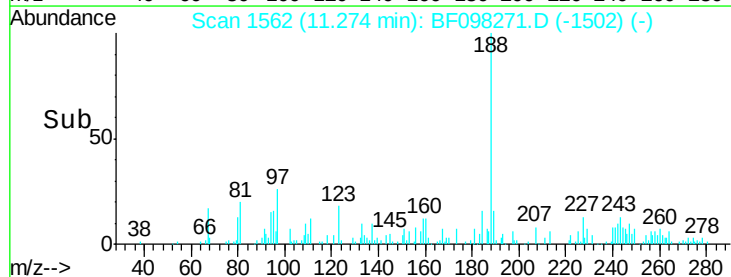
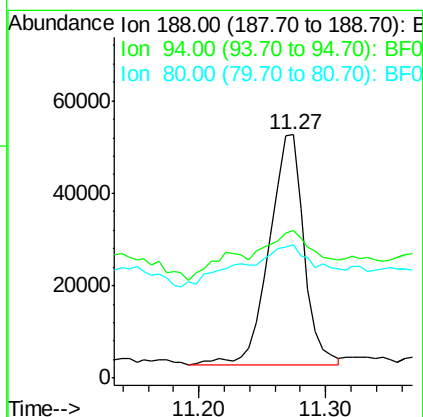
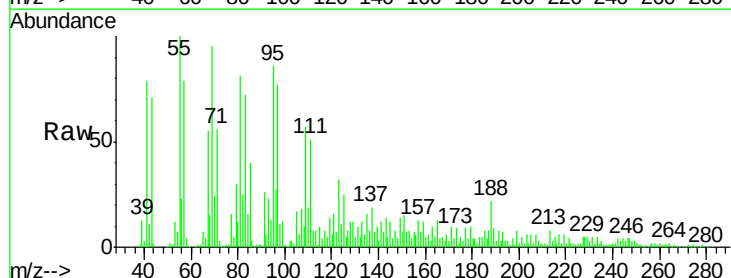
Instrument :
BNA_F
ClientSampleId :
OILY-STONESRE

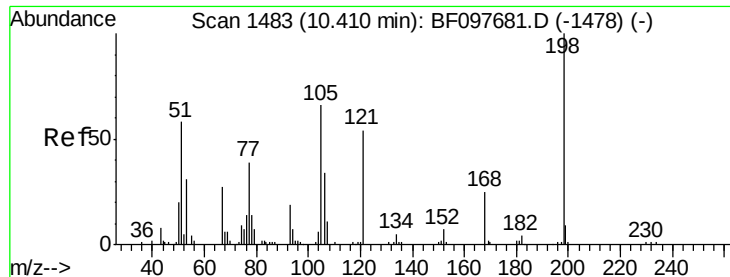
Tgt Ion: 204 Resp: 10300
Ion Ratio Lower Upper
204 100
206 122.6 26.2 39.2#
141 221.4 60.8 91.2#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.05 min
Lab File: BF098271.D
Acq: 5 Sep 2017 12:47

Tgt Ion: 188 Resp: 94581
Ion Ratio Lower Upper
188 100
94 60.7 9.4 14.2#
80 55.0 10.2 15.2#

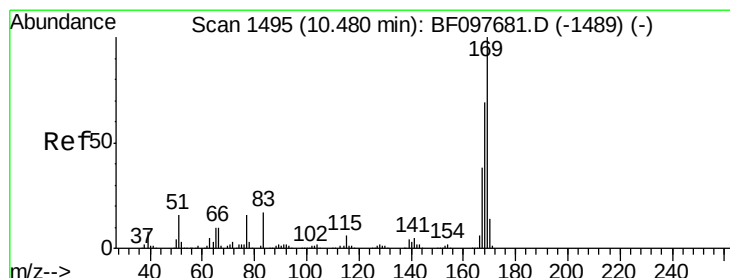
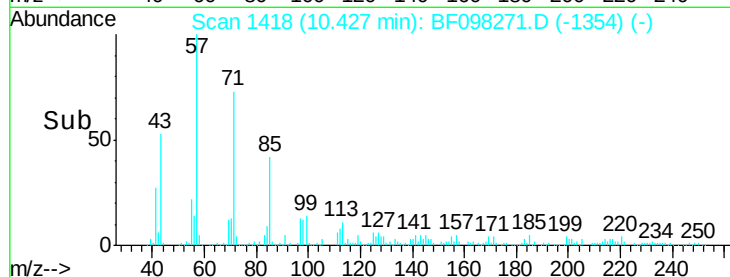
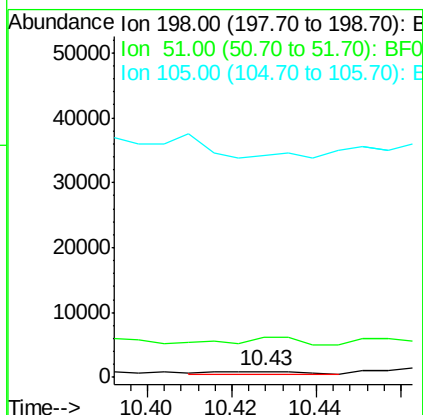
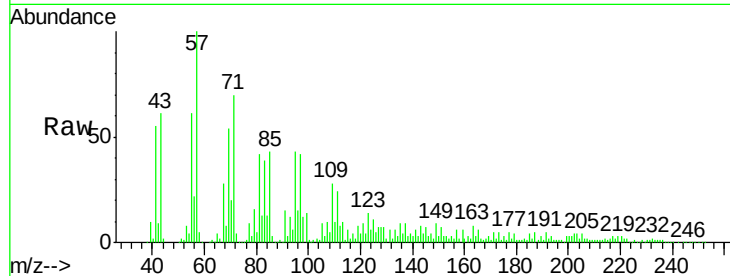




#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.400 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.08 min
 Lab File: BF098271.D
 Acq: 5 Sep 2017 12:47

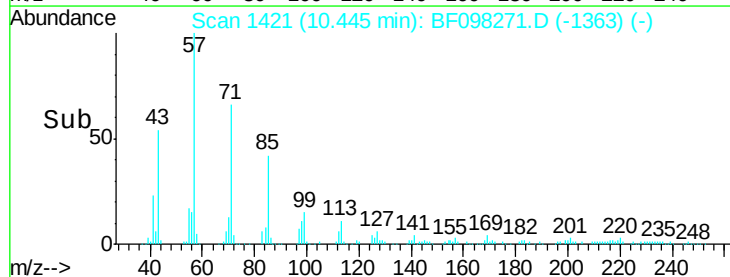
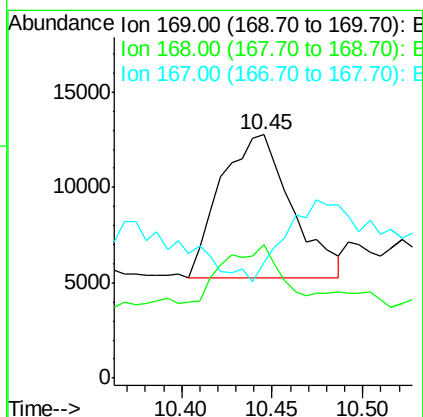
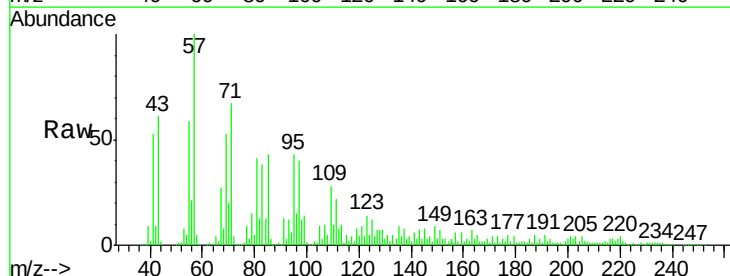
Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONESRE

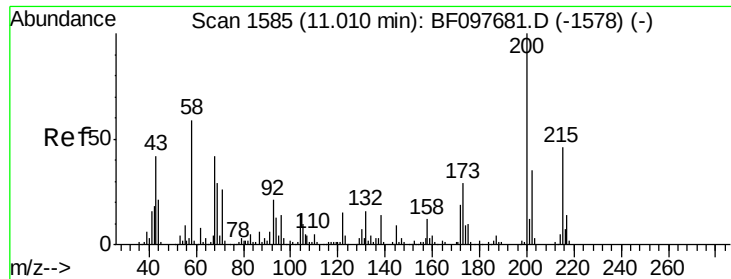
Tgt Ion:198 Resp: 582
 Ion Ratio Lower Upper
 198 100
 51 650.0 53.2 93.2#
 105 3605.1 45.8 85.8#



#65
 n-Nitrosodiphenylamine
 Concen: 6.306 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.04 min
 Lab File: BF098271.D
 Acq: 5 Sep 2017 12:47

Tgt Ion:169 Resp: 20310
 Ion Ratio Lower Upper
 169 100
 168 54.7 53.2 79.8
 167 47.5 29.5 44.3#





#68

Atrazine

Concen: 17.098 ng

RT: 10.98 min Scan# 1512

Delta R.T. 0.05 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

OILY-STONESRE

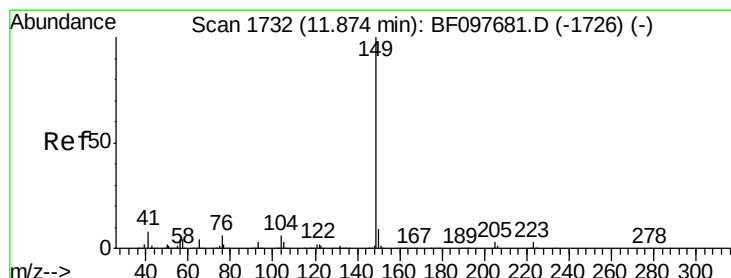
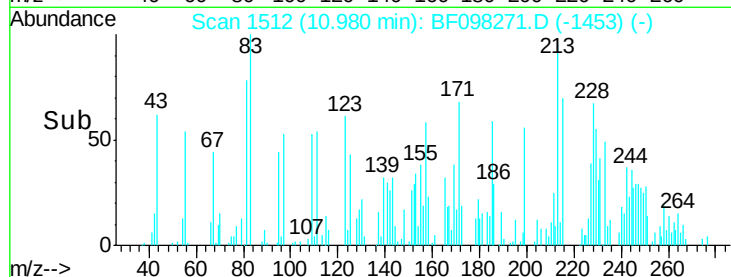
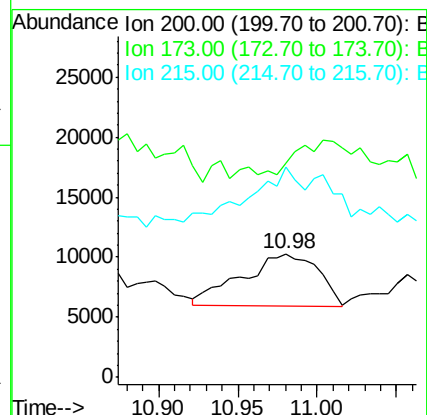
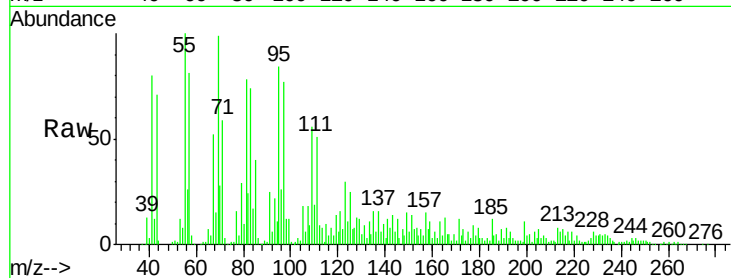
Tgt Ion:200 Resp: 14604

Ion Ratio Lower Upper

200 100

173 173.1 6.3 46.3#

215 169.8 27.2 67.2#



#73

Di-n-butylphthalate

Concen: 3.108 ng

RT: 11.83 min Scan# 1656

Delta R.T. 0.04 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

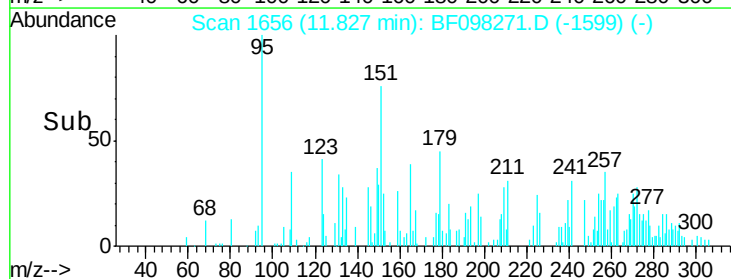
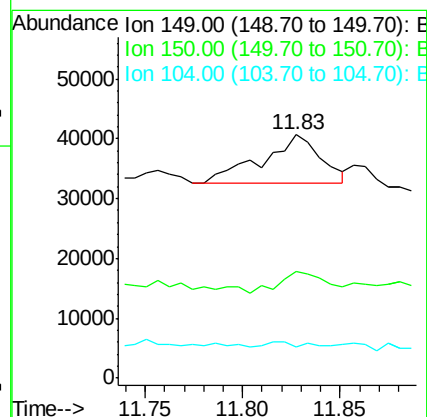
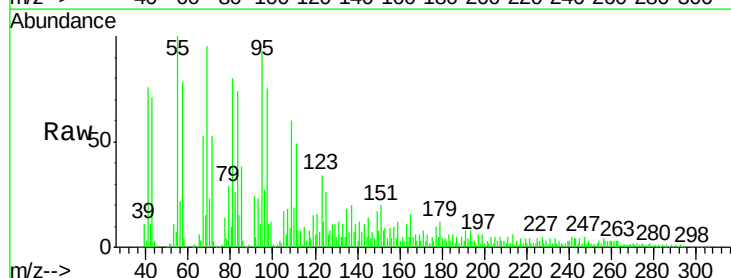
Tgt Ion:149 Resp: 17369

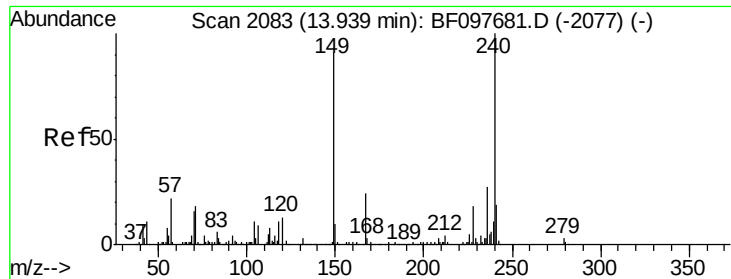
Ion Ratio Lower Upper

149 100

150 43.9 7.7 11.5#

104 12.9 4.0 6.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

Instrument :

BNA_F

ClientSampleId :

OILY-STONESRE

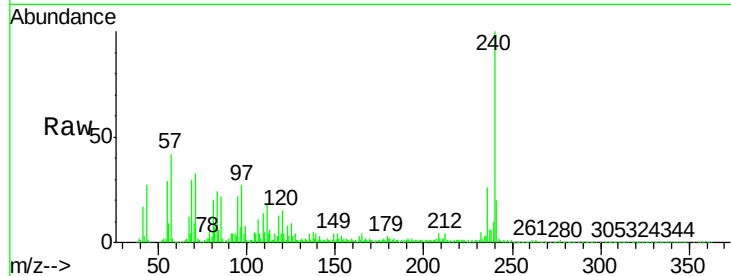
Tgt Ion:240 Resp: 214048

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

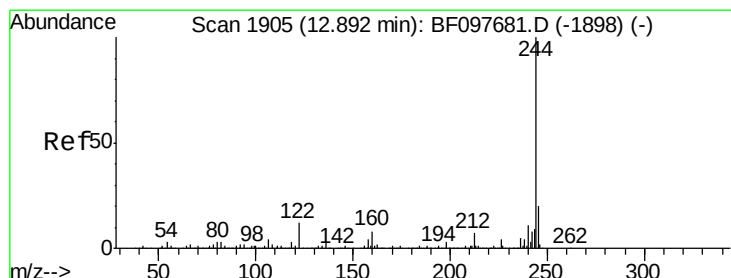
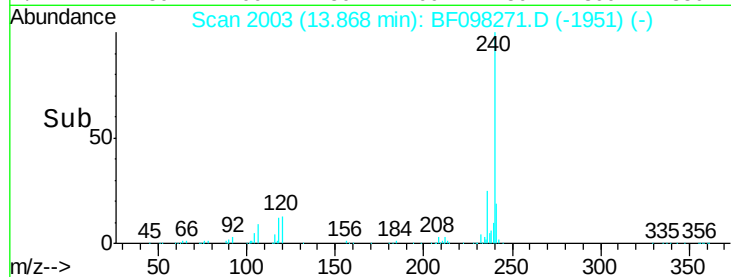
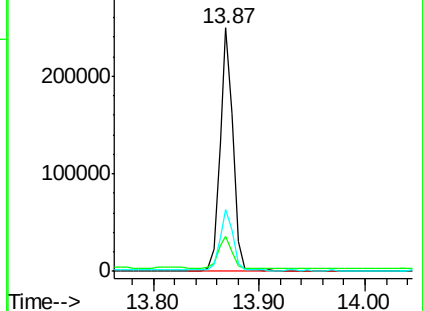
236 25.6 20.5 30.7



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: 46.535 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.03 min

Lab File: BF098271.D

Acq: 5 Sep 2017 12:47

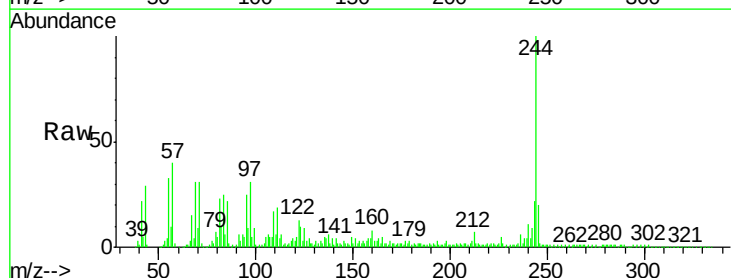
Tgt Ion:244 Resp: 477658

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

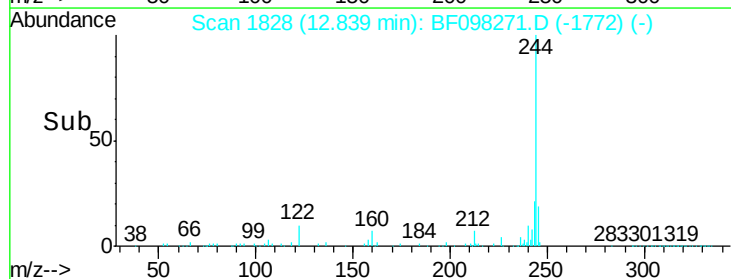
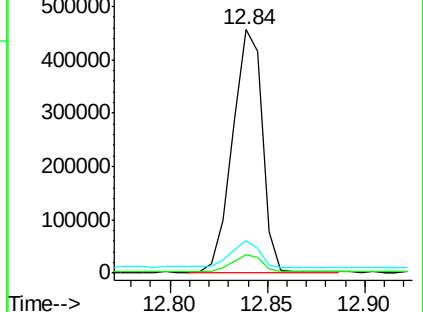
122 13.2 10.3 15.5

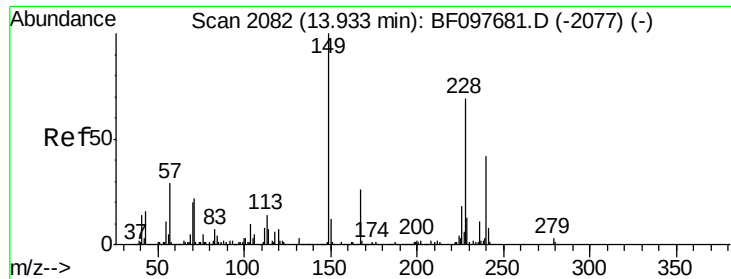


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

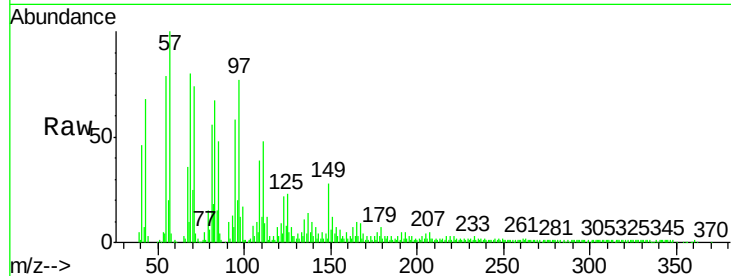




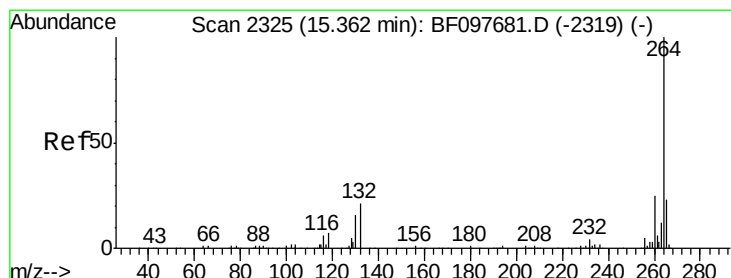
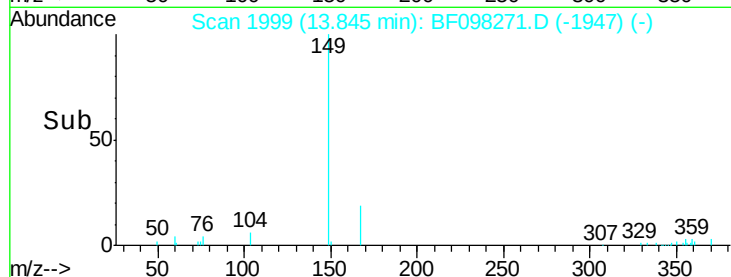
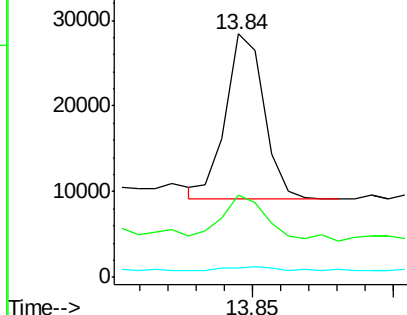
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.471 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. 0.01 min
 Lab File: BF098271.D
 Acq: 5 Sep 2017 12:47

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONESRE

Tgt Ion:149 Resp: 18375
 Ion Ratio Lower Upper
 149 100
 167 33.8 21.0 31.4#
 279 4.1 1.9 2.9#

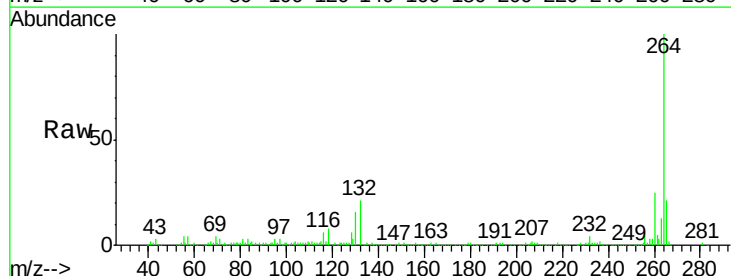


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: BF098271.D
 Acq: 5 Sep 2017 12:47

Tgt Ion:264 Resp: 235080
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 20.9 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

