

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101502.D
 Acq On : 19 Dec 2017 2:30
 Operator : SJ/JU
 Sample : I6916-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Quant Time: Dec 19 04:21:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

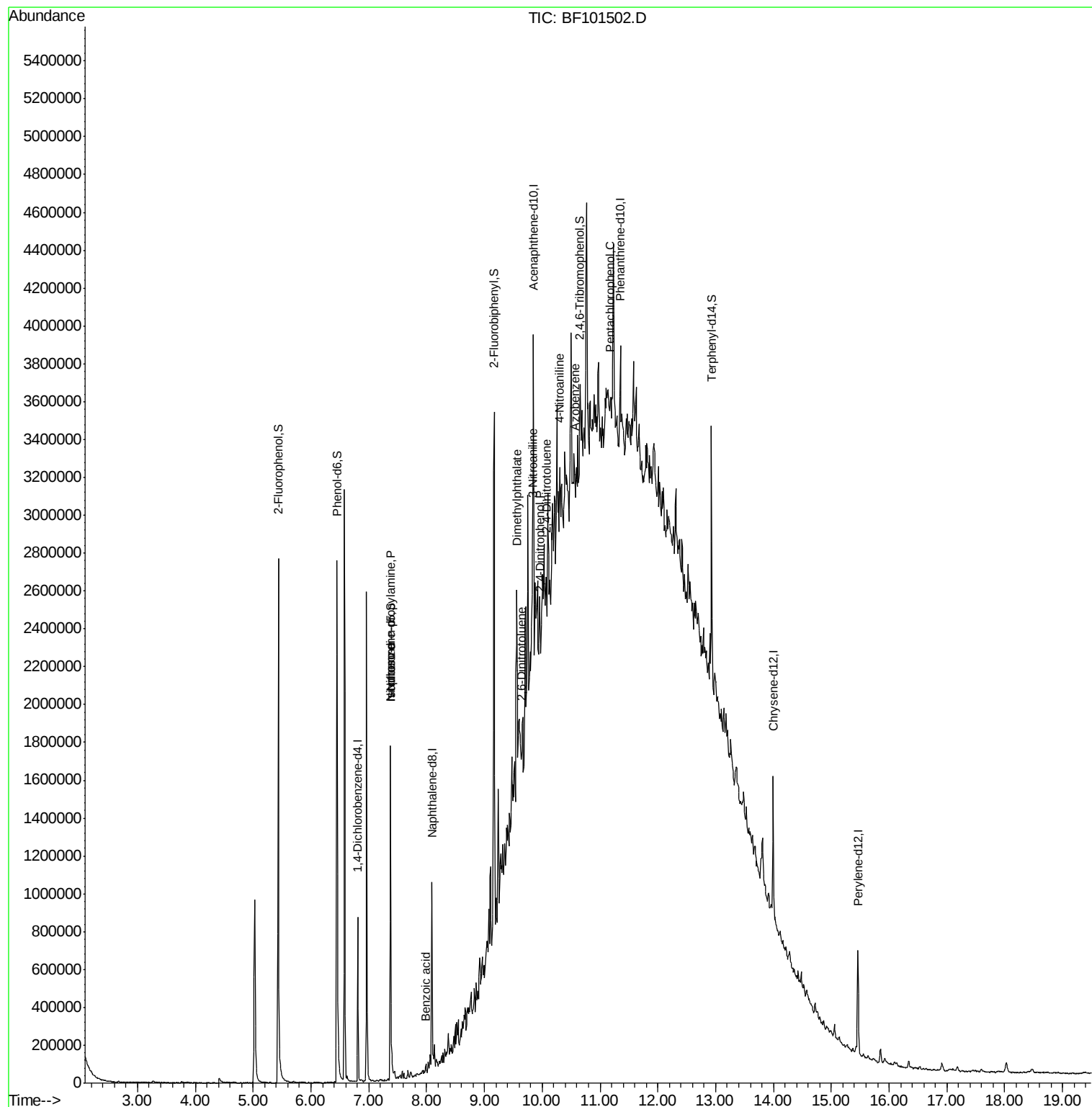
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	134503	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	498647	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	130299	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	179540	20.00	ng	0.01
75) Chrysene-d12	13.99	240	265091	20.00	ng	0.00
86) Perylene-d12	15.46	264	283751	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	917133	101.57	ng	0.01
7) Phenol-d6	6.45	99	1097889	97.70	ng	0.00
23) Nitrobenzene-d5	7.37	82	652382	72.83	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	139465	111.08	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1018152	121.21	ng	0.00
78) Terphenyl-d14	12.93	244	680576	61.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	86393	11.71	ng	# 80
25) Isophorone	7.37	82	648631	36.10	ng	# 64
32) Benzoic acid	8.00	122	874	8.11	ng	# 72
49) Dimethylphthalate	9.56	163	56181	5.36	ng	# 88
50) 2,6-Dinitrotoluene	9.64	165	5892	2.77	ng	# 36
52) 3-Nitroaniline	9.83	138	6615	2.49	ng	# 35
53) 2,4-Dinitrophenol	9.97	184	121	10.46	ng	# 1
56) 2,4-Dinitrotoluene	10.07	165	7031	2.93	ng	# 43
61) 4-Nitroaniline	10.30	138	16059	6.02	ng	# 91
62) Azobenzene	10.56	77	28863	2.68	ng	# 1
69) Pentachlorophenol	11.17	266	1995	8.76	ng	# 26

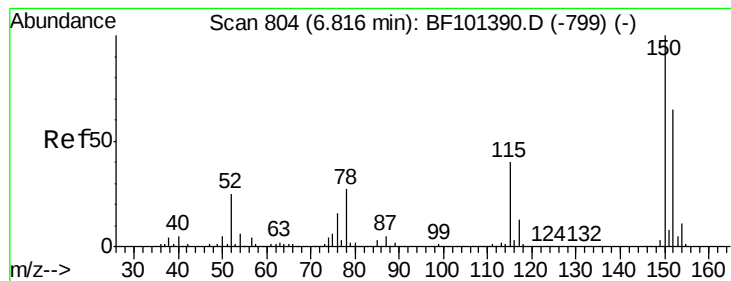
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
Data File : BF101502.D
Acq On : 19 Dec 2017 2:30
Operator : SJ/JU
Sample : I6916-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Quant Time: Dec 19 04:21:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

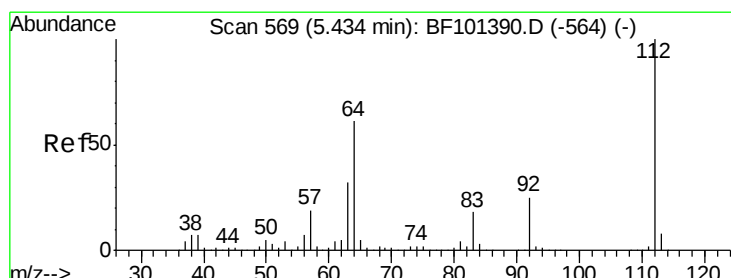
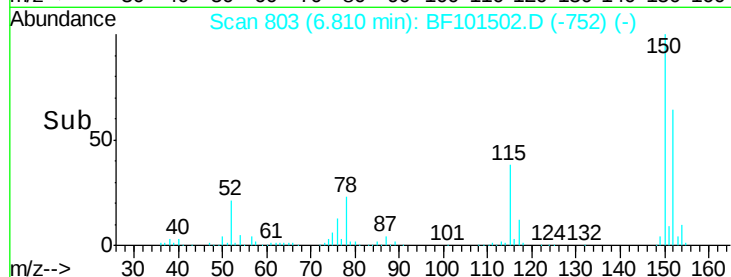
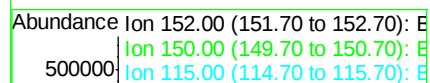
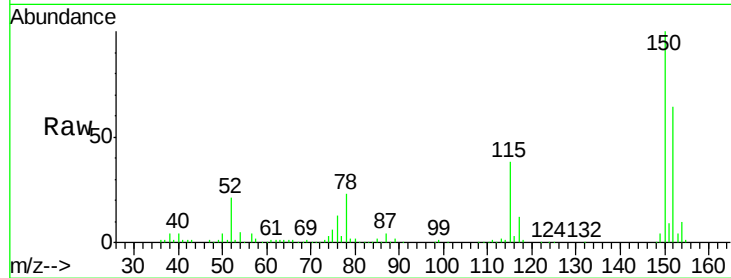
Tot Ion:152 Resp: 134503

Ion Ratio Lower Upper

152 100

150 156.8 124.6 186.8

115 59.6 50.1 75.1



#5

2-Fluorophenol

Concen: 101.57 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

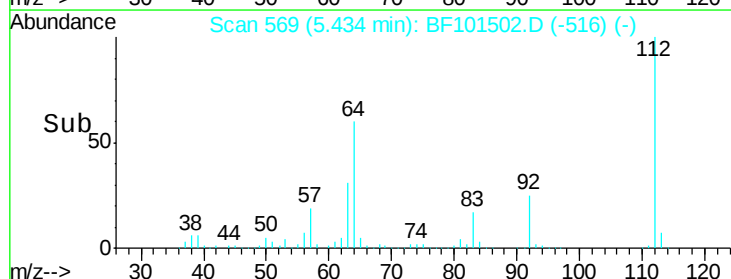
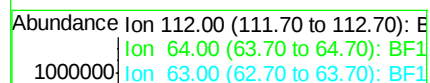
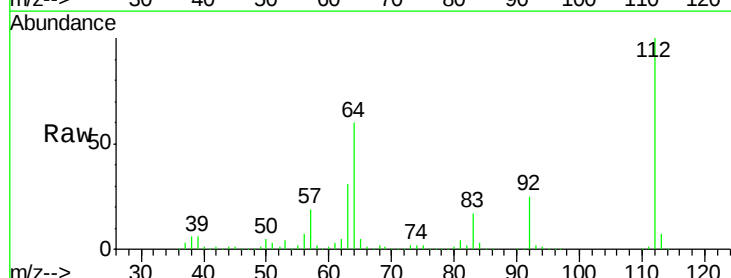
Tgt Ion:112 Resp: 917133

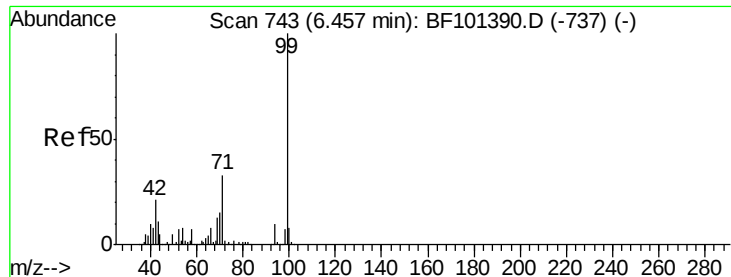
Ion Ratio Lower Upper

112 100

64 59.9 47.9 71.9

63 31.2 23.7 35.5





#7

Phenol-d6

Concen: 97.70 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

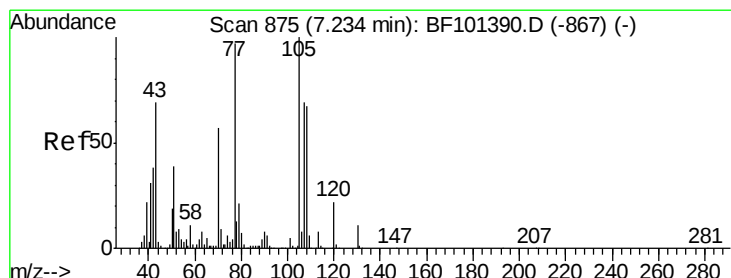
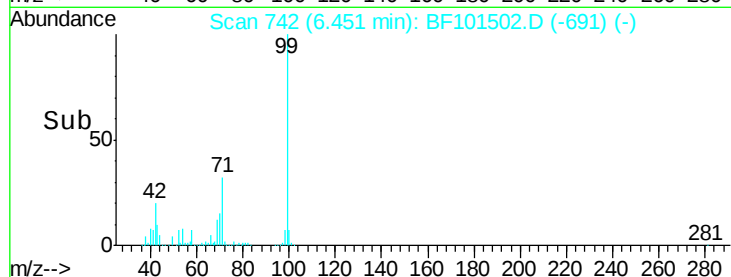
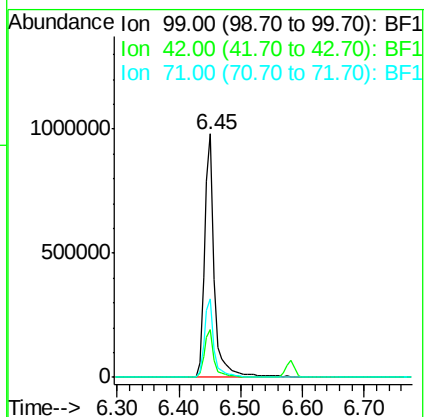
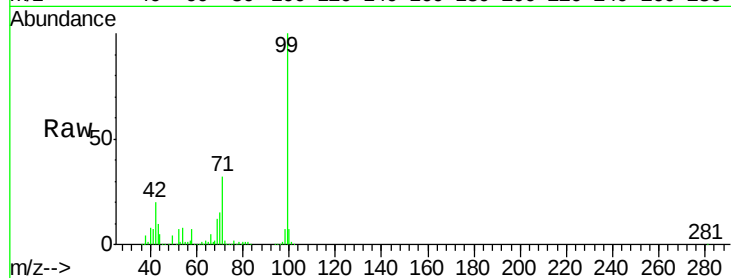
Tot Ion: 99 Resp: 1097889

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 32.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.71 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

Tgt Ion: 70 Resp: 86393

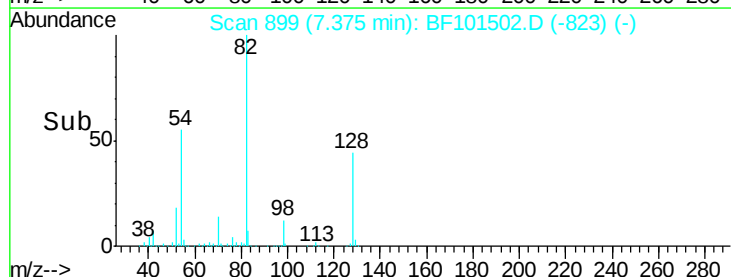
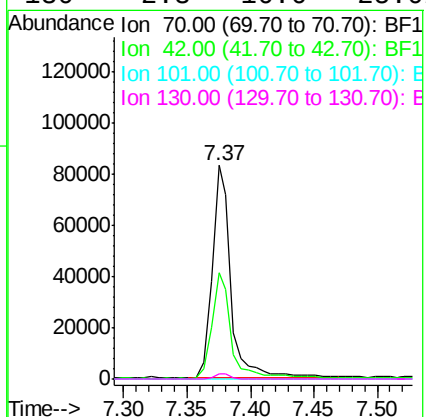
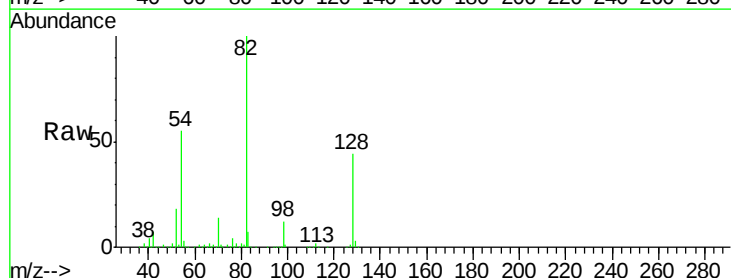
Ion Ratio Lower Upper

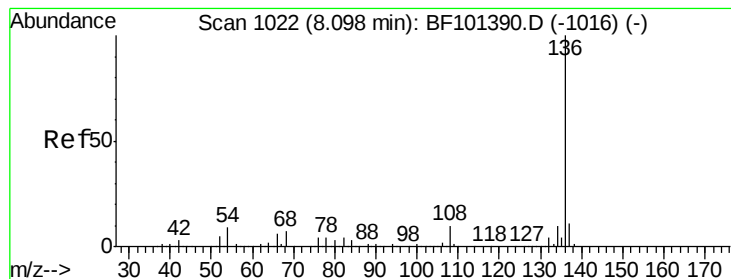
70 100

42 49.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

Tot Ion:136 Resp: 498647

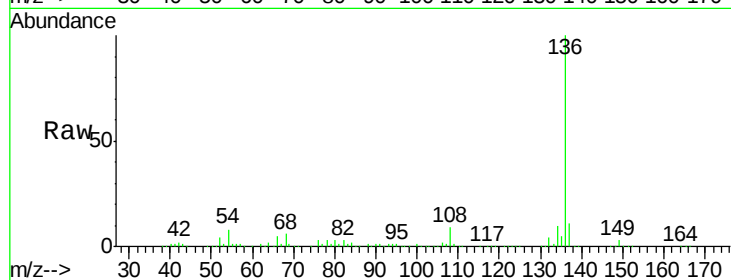
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.2 6.6 9.8

68 6.4 5.0 7.4

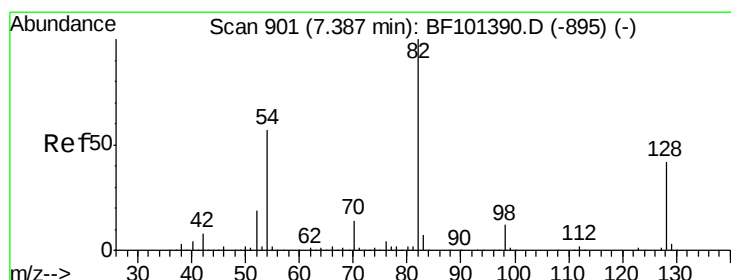
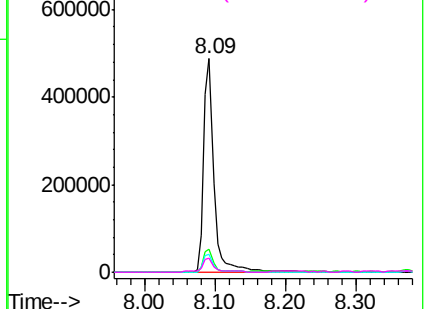
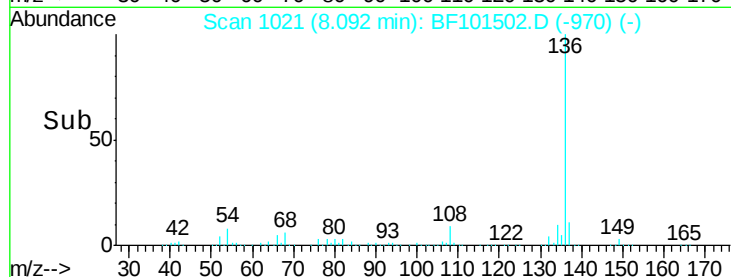


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.83 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

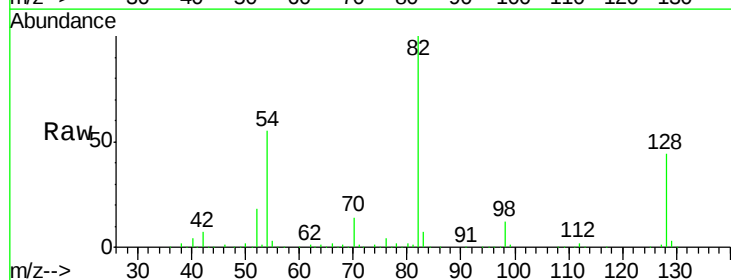
Tgt Ion: 82 Resp: 652382

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

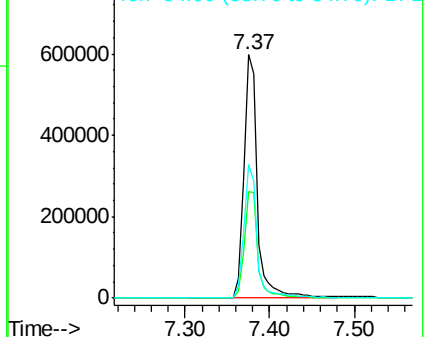
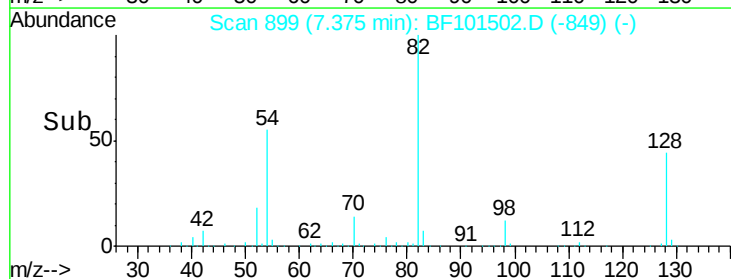
54 55.0 41.4 62.2

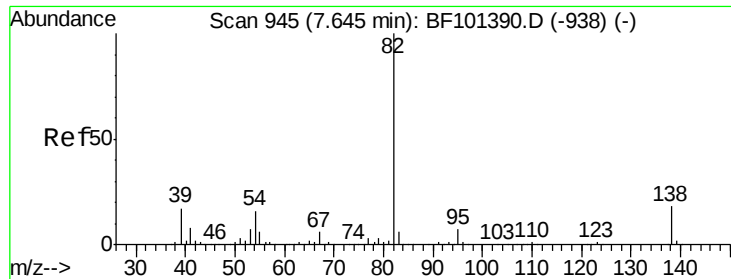


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.10 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

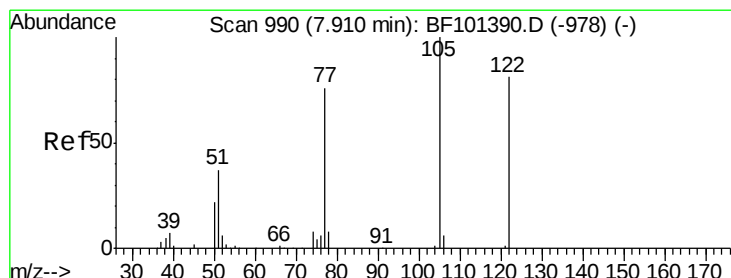
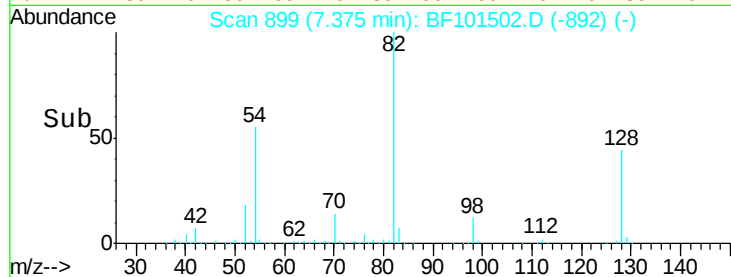
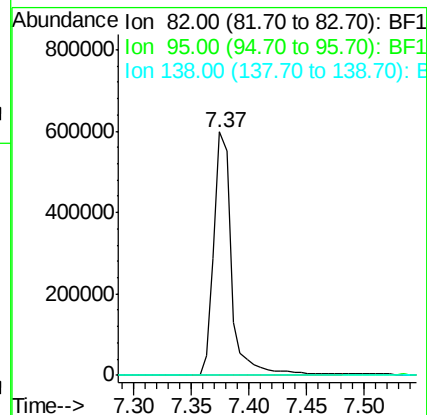
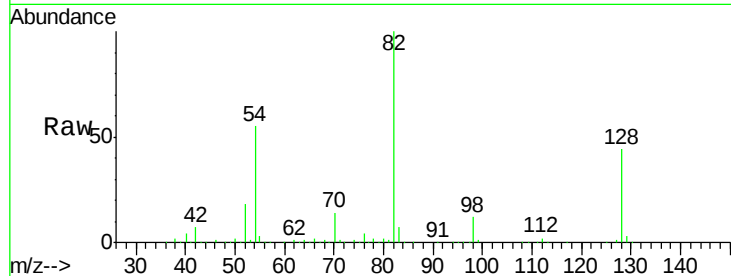
Tot Ion: 82 Resp: 648631

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 8.11 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

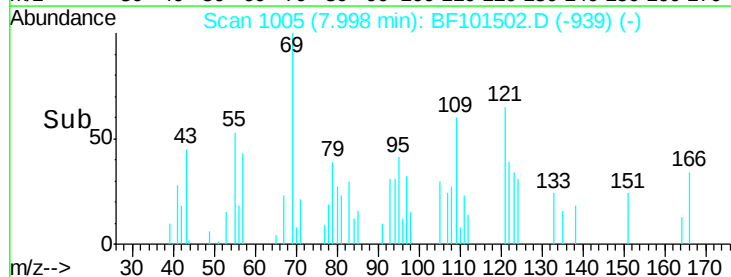
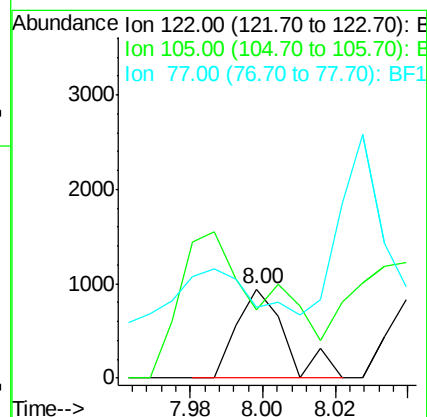
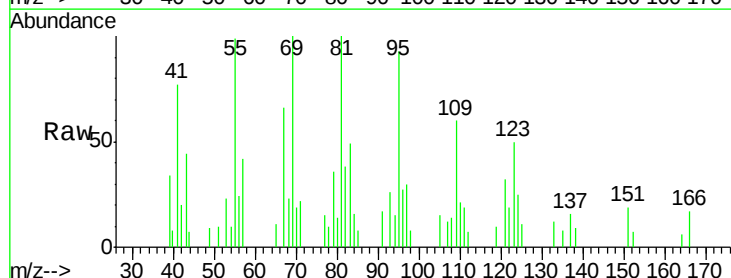
Tgt Ion: 122 Resp: 874

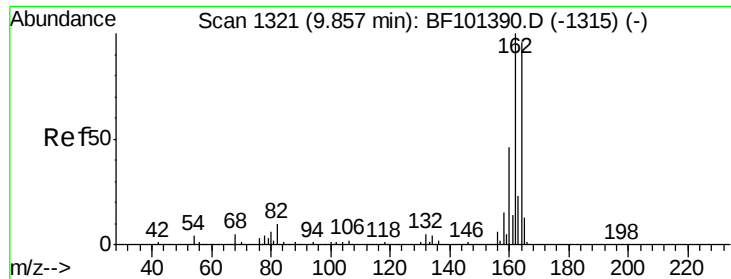
Ion Ratio Lower Upper

122 100

105 77.0 101.1 141.1#

77 79.7 70.7 110.7

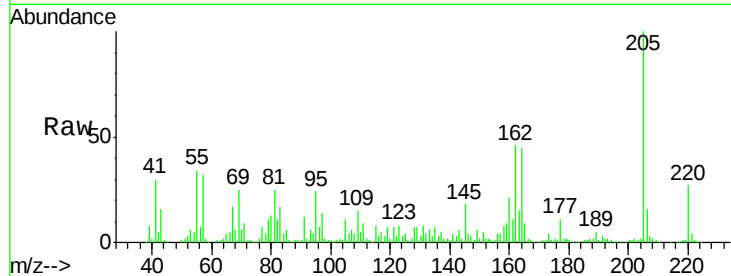




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF101502.D
 Acq: 19 Dec 2017 2:30

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	86.1	129.1
160	46.6	38.3	57.5

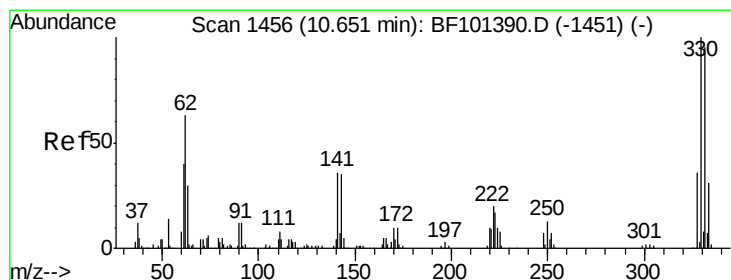
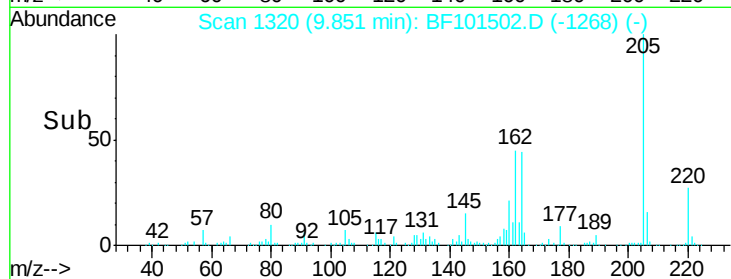
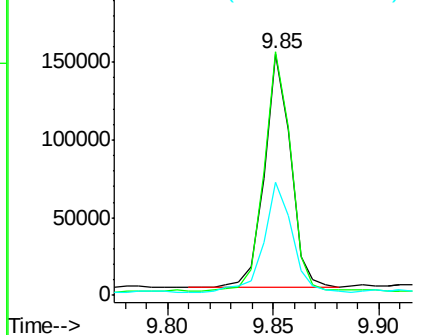


Abundance

Ion 164.00 (163.70 to 164.70): E

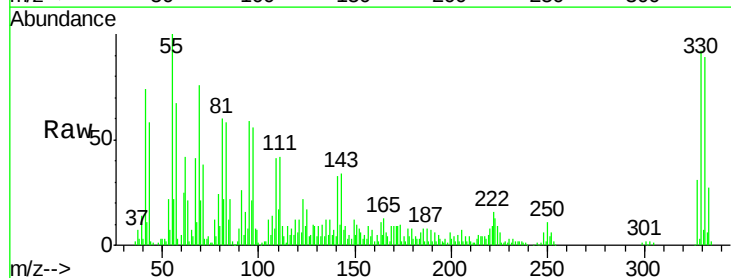
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 111.08 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF101502.D
 Acq: 19 Dec 2017 2:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	32.2	29.9	44.9

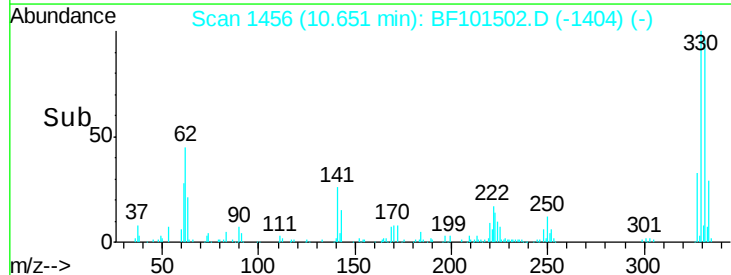
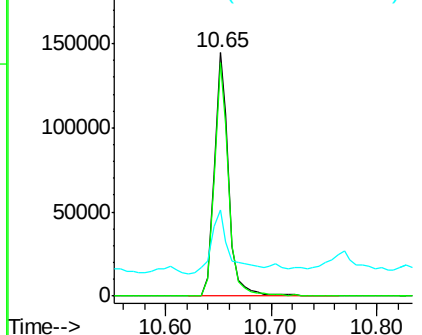


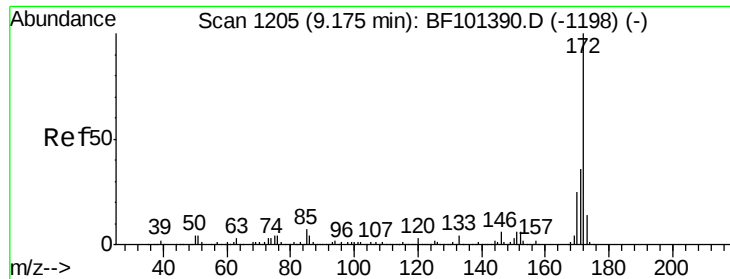
Abundance

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

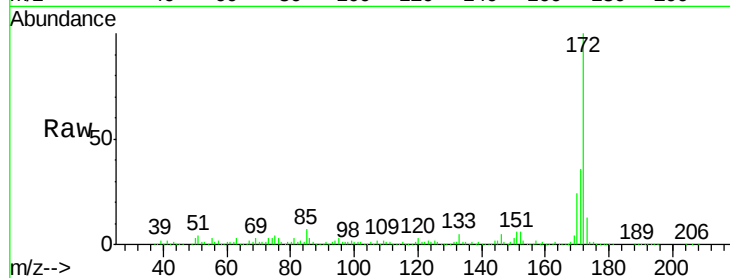




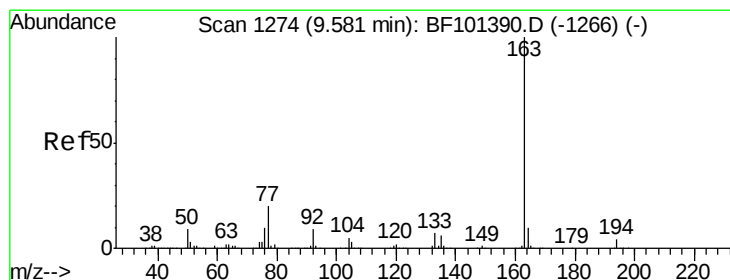
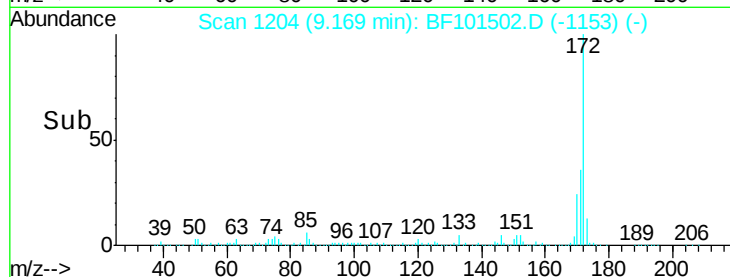
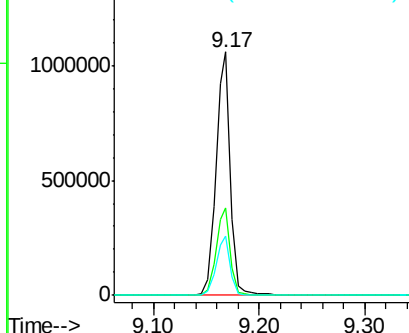
#44
2-Fluorobiphenyl
Concen: 121.21 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tot Ion:172 Resp: 1018152
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.3 19.6 29.4

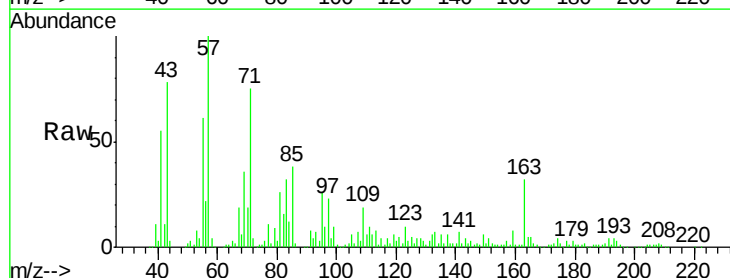


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

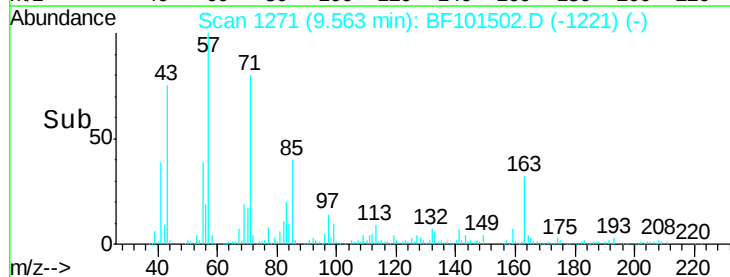
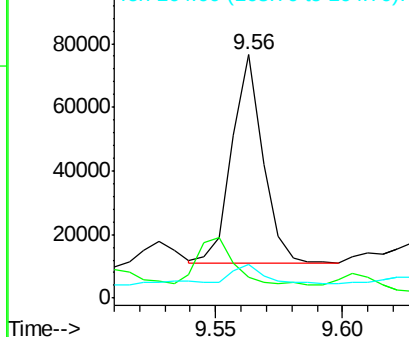


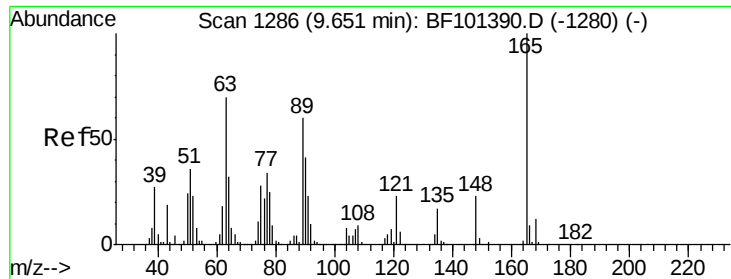
#49
Dimethylphthalate
Concen: 5.36 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

Tgt Ion:163 Resp: 56181
Ion Ratio Lower Upper
163 100
194 8.3 2.7 4.1#
164 14.1 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

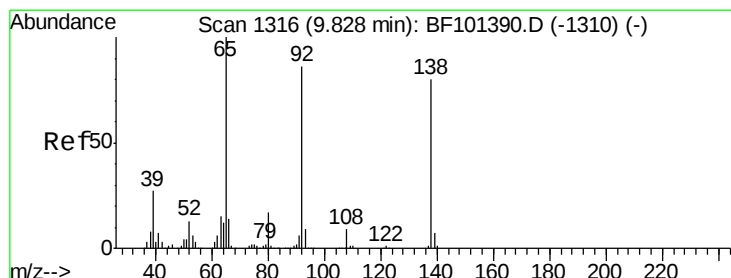
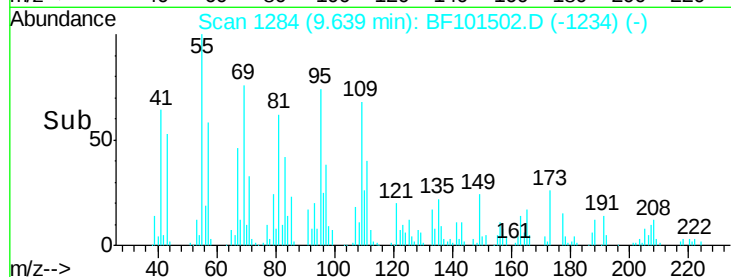
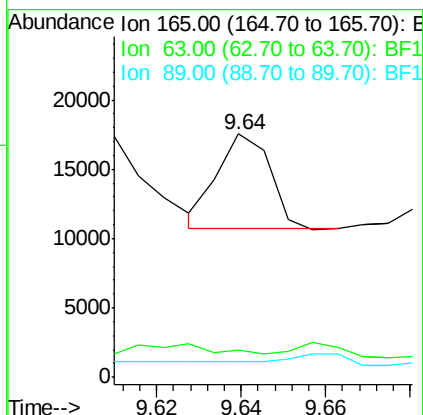
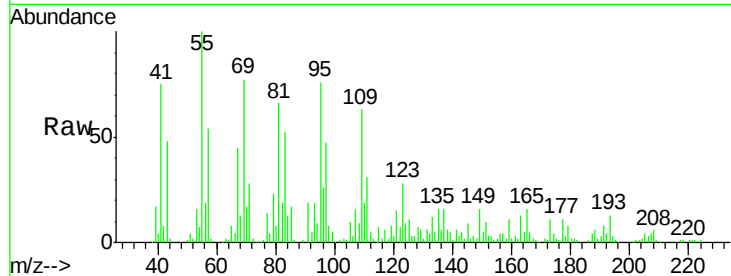




#50
 2,6-Dinitrotoluene
 Concen: 2.77 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF101502.D
 Acq: 19 Dec 2017 2:30

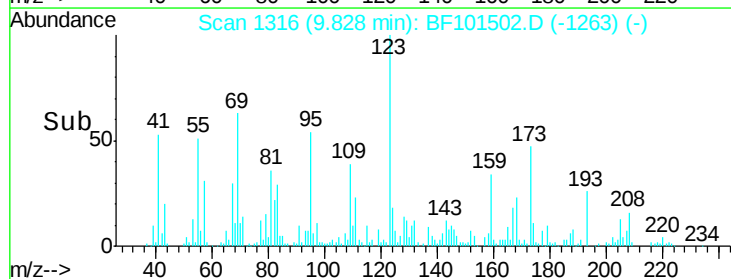
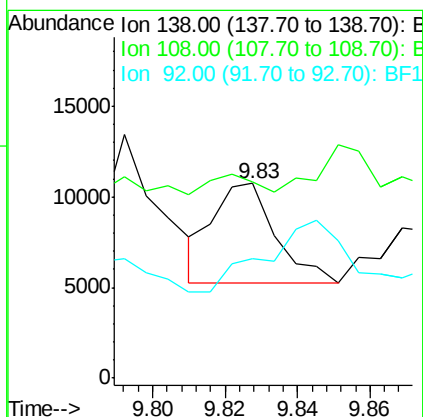
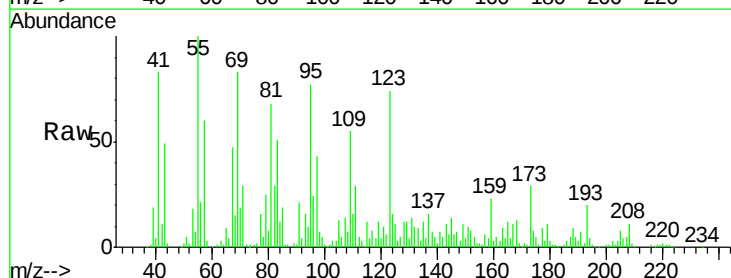
Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

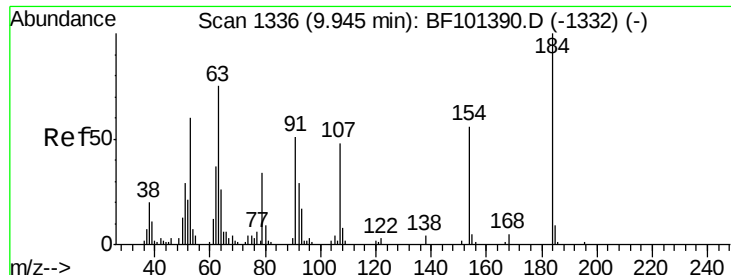
Tot Ion:165 Resp: 5892
 Ion Ratio Lower Upper
 165 100
 63 11.2 44.7 67.1#
 89 6.5 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 2.49 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: BF101502.D
 Acq: 19 Dec 2017 2:30

Tgt Ion:138 Resp: 6615
 Ion Ratio Lower Upper
 138 100
 108 100.9 9.4 14.0#
 92 61.5 89.4 134.2#

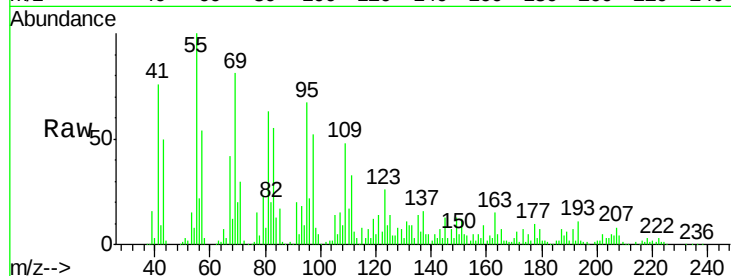




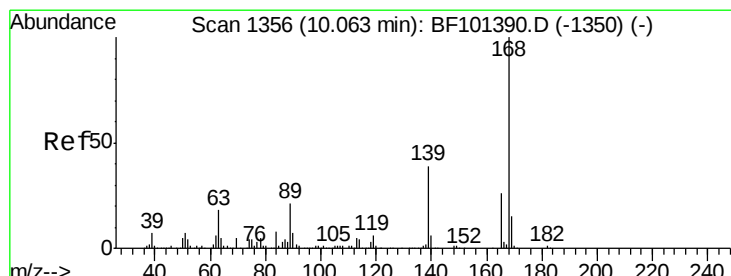
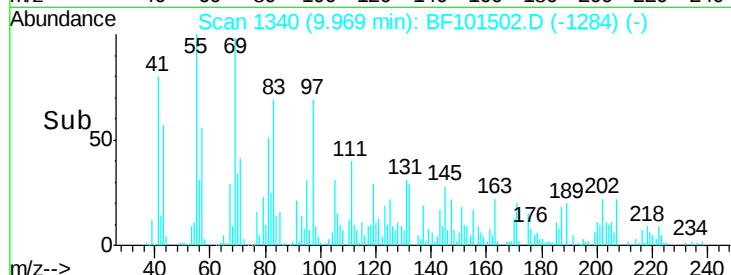
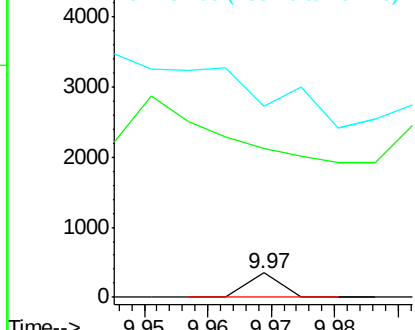
#53
2,4-Dinitrophenol
Concen: 10.46 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.03 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tot Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 614.8 54.2 81.2#
154 795.1 184.0 276.0#

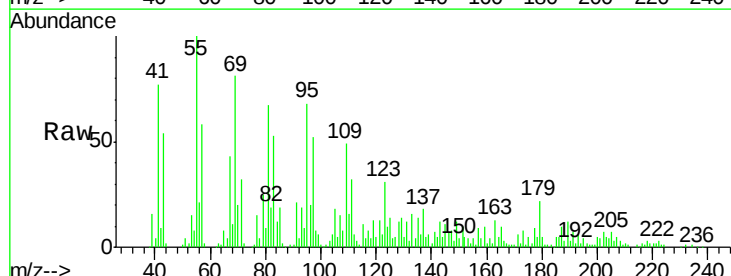


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

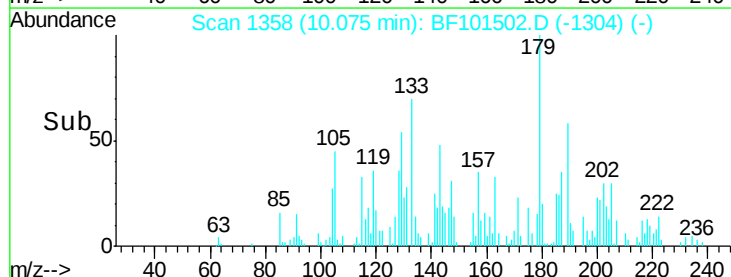
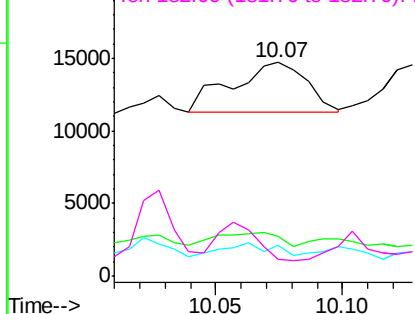


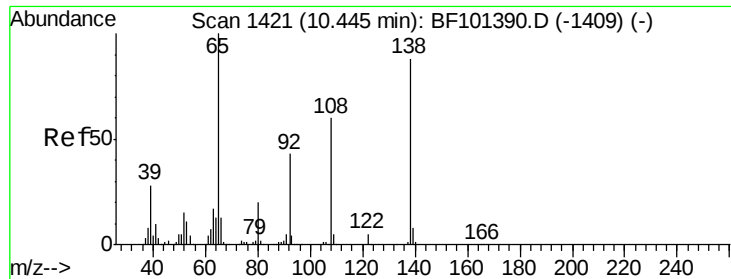
#56
2,4-Dinitrotoluene
Concen: 2.93 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.02 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

Tgt Ion:165 Resp: 7031
Ion Ratio Lower Upper
165 100
63 18.7 36.4 54.6#
89 14.6 57.8 86.6#
182 7.7 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

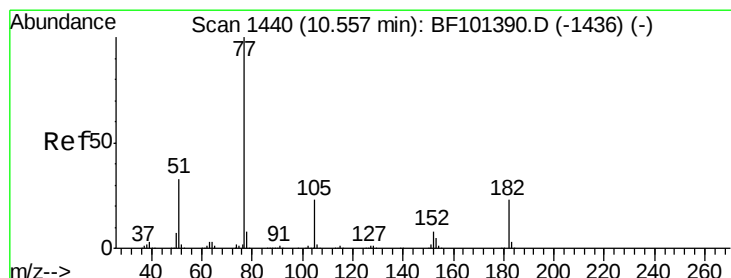
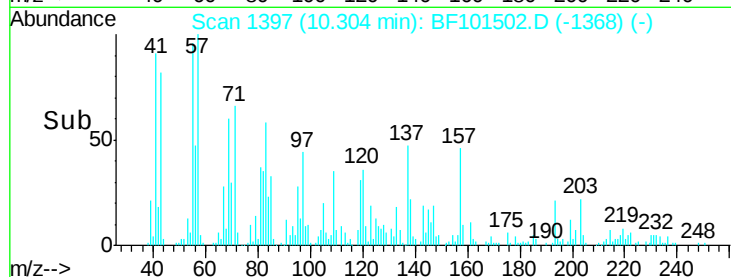
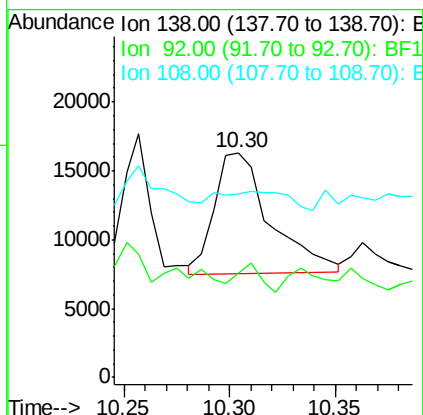
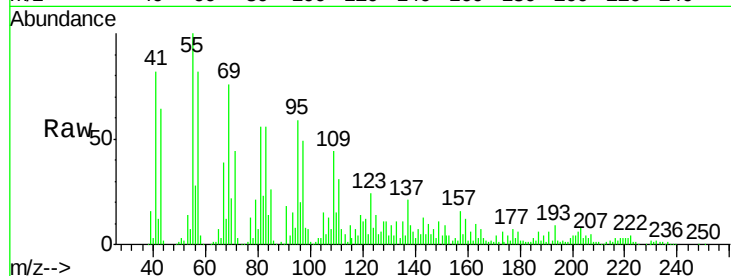




#61
4-Nitroaniline
Concen: 6.02 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.13 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

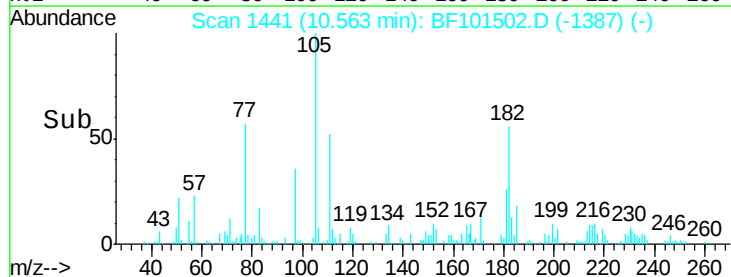
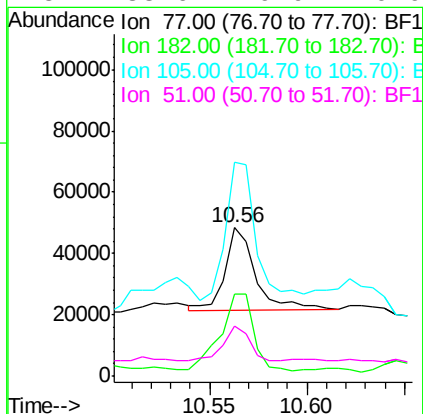
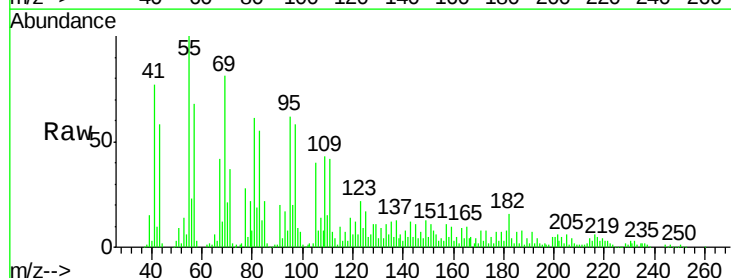
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

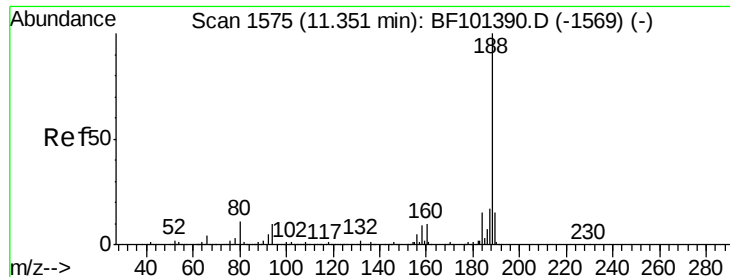
Tot Ion:138 Resp: 16059
Ion Ratio Lower Upper
138 100
92 46.5 30.2 70.2
108 81.6 52.5 92.5



#62
Azobenzene
Concen: 2.68 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.02 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

Tgt Ion: 77 Resp: 28863
Ion Ratio Lower Upper
77 100
182 55.7 1.7 41.7#
105 144.2 3.0 43.0#
51 33.6 9.9 49.9

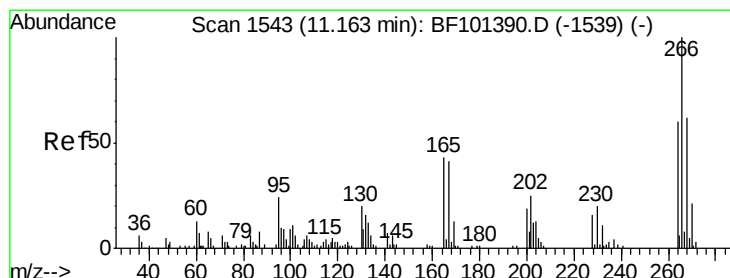
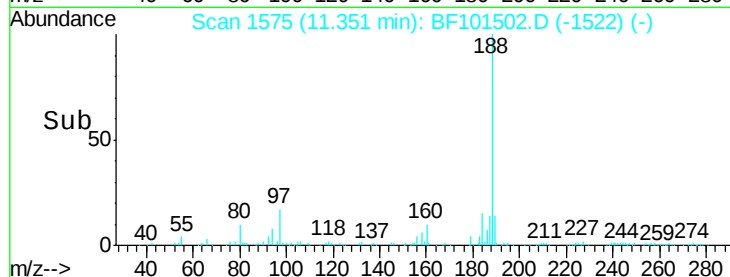
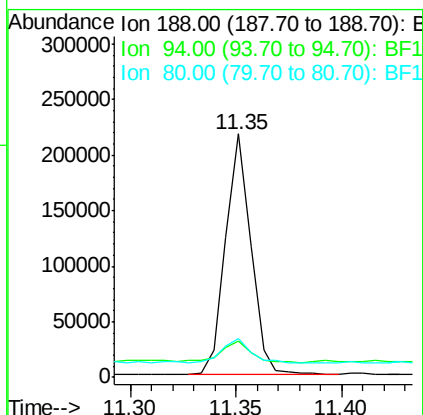
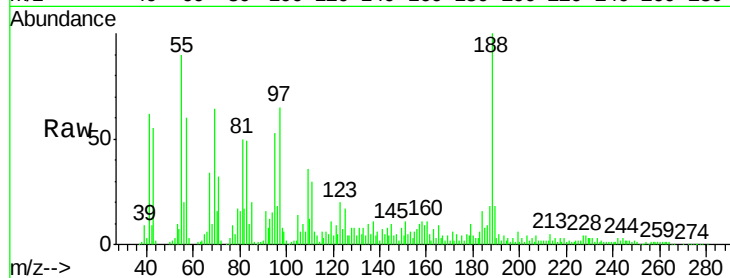




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

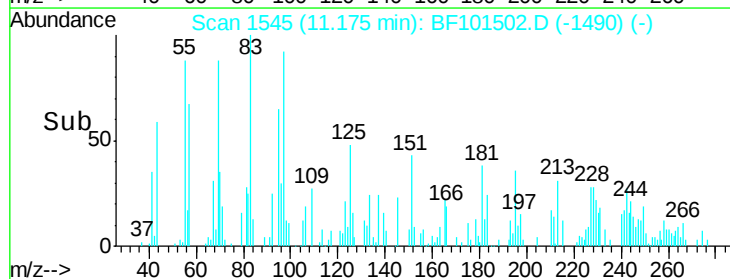
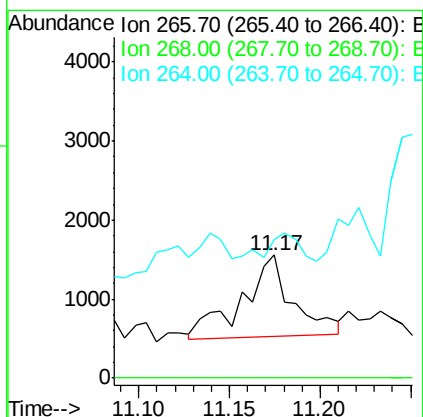
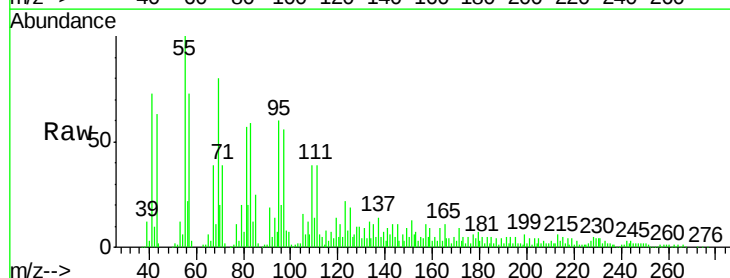
Instrument :
BNA_F
ClientSampleId :
OILY-STONES

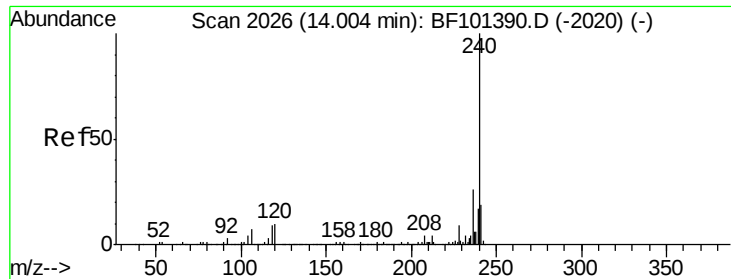
Tot Ion:188 Resp: 179540
Ion Ratio Lower Upper
188 100
94 14.9 8.5 12.7#
80 16.0 9.2 13.8#



#69
Pentachlorophenol
Concen: 8.76 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.02 min
Lab File: BF101502.D
Acq: 19 Dec 2017 2:30

Tgt Ion:266 Resp: 1995
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 112.6 49.5 74.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

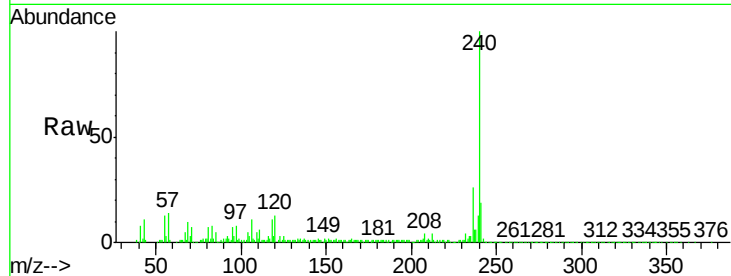
Tot Ion:240 Resp: 265091

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

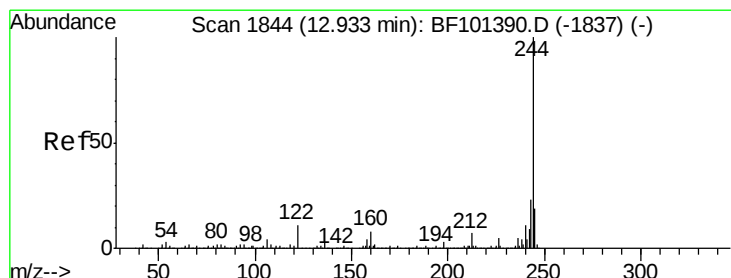
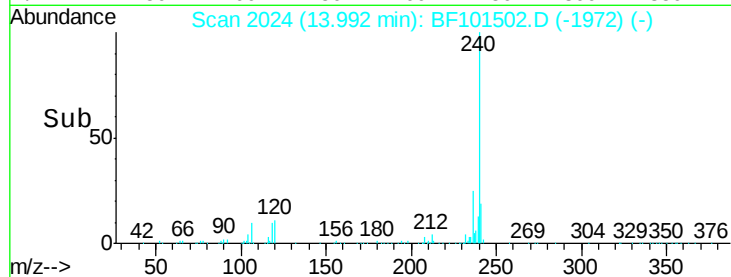
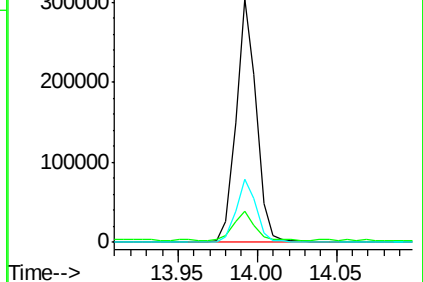
236 25.8 20.7 31.1



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: 61.89 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF101502.D

Acq: 19 Dec 2017 2:30

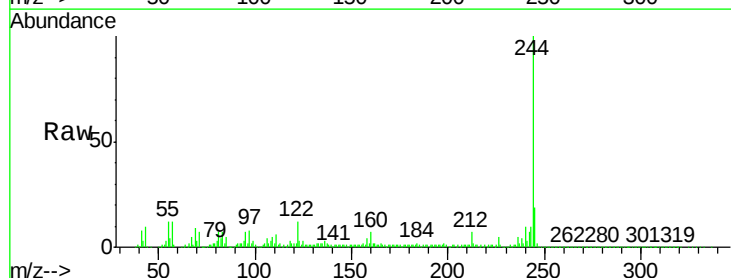
Tgt Ion:244 Resp: 680576

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

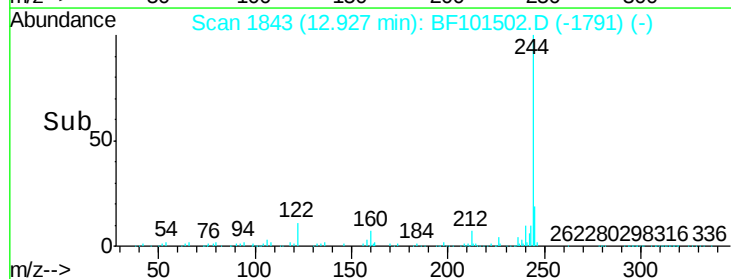
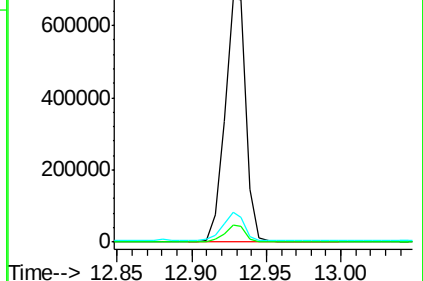
122 12.1 11.0 16.4

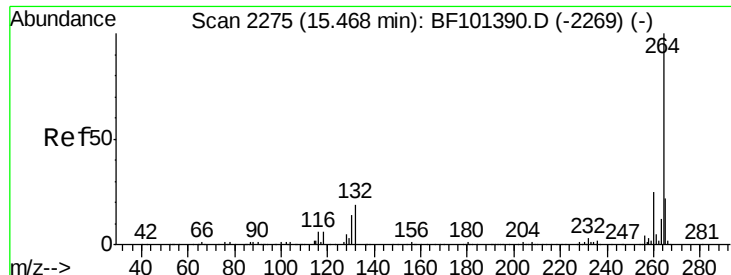


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

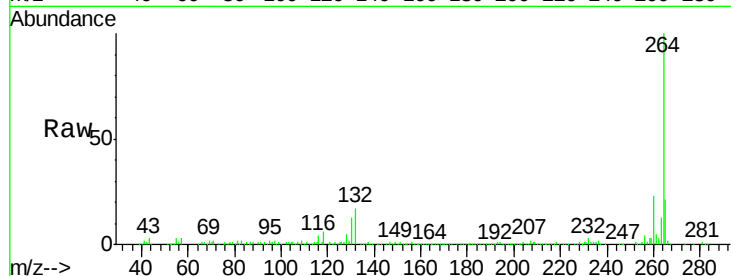




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF101502.D
 Acq: 19 Dec 2017 2:30

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.6	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

