

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101738.D
 Acq On : 27 Dec 2017 2:27
 Operator : SJ/JU
 Sample : I7037-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221-OILY-STONES

Quant Time: Dec 27 05:02:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	132318	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	470660	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	88084	20.00	ng	0.02
63) Phenanthrene-d10	11.36	188	113073	20.00	ng	0.04
75) Chrysene-d12	14.00	240	197816	20.00	ng	0.03
86) Perylene-d12	15.46	264	236217	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1112684	125.26	ng	0.01
7) Phenol-d6	6.44	99	1302767	117.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	797377	94.31	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	136007	160.24	ng	0.03
44) 2-Fluorobiphenyl	9.15	172	1017659	179.22	ng	0.00
78) Terphenyl-d14	12.94	244	423591	51.62	ng	0.05

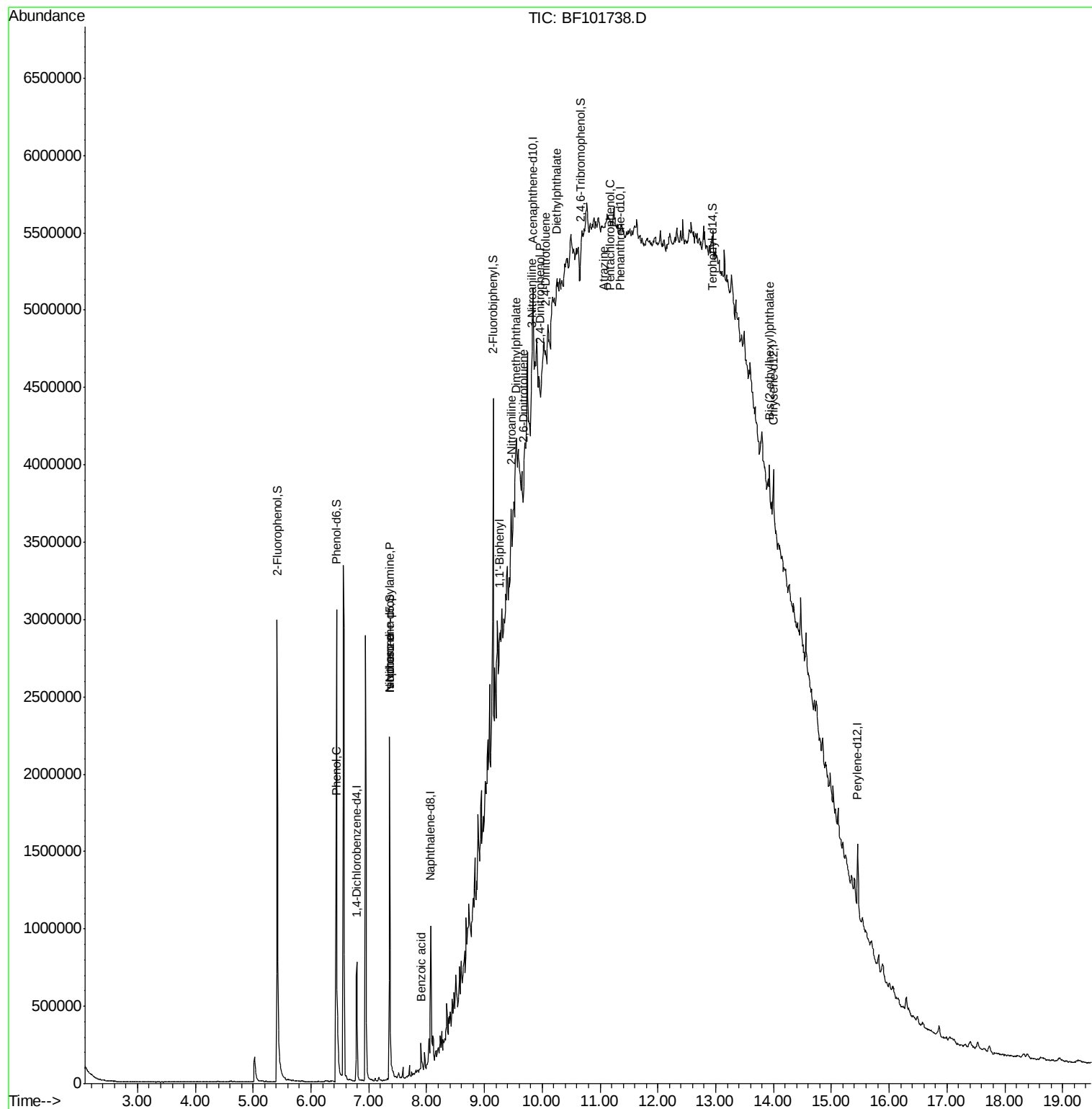
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	47363	3.759	ng	83
19) n-Nitroso-di-n-propylamine	7.36	70	104511	14.395	ng	# 81
25) Isophorone	7.36	82	793992	46.811	ng	# 64
32) Benzoic acid	7.92	122	107	7.980	ng	# 1
45) 1,1'-Biphenyl	9.26	154	20765	2.658	ng	84
47) 2-Nitroaniline	9.46	65	10431	5.052	ng	# 58
49) Dimethylphthalate	9.55	163	53721	7.582	ng	# 64
50) 2,6-Dinitrotoluene	9.67	165	7514	5.218	ng	# 40
52) 3-Nitroaniline	9.81	138	6766	3.769	ng	# 25
53) 2,4-Dinitrophenol	9.96	184	257	10.767	ng	# 1
56) 2,4-Dinitrotoluene	10.06	165	15568	9.596	ng	# 37
59) Diethylphthalate	10.25	149	35131	5.007	ng	# 42
68) Atrazine	11.06	200	18216	14.632	ng	# 2
69) Pentachlorophenol	11.17	266	3510	12.719	ng	# 26
83) Bis(2-ethylhexyl)phthalate	13.93	149	110320	12.966	ng	# 97

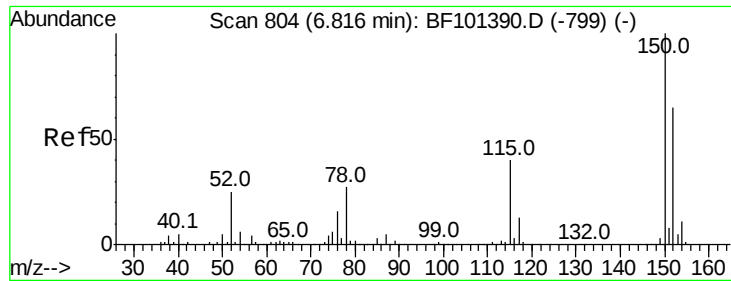
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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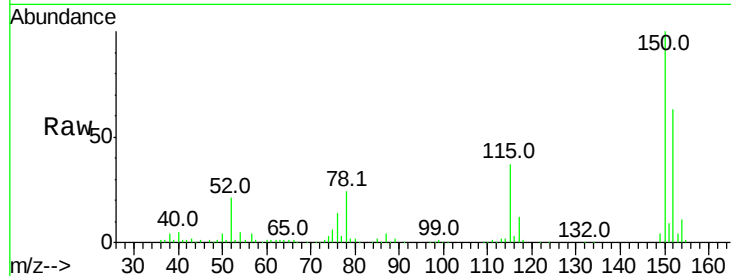


#1

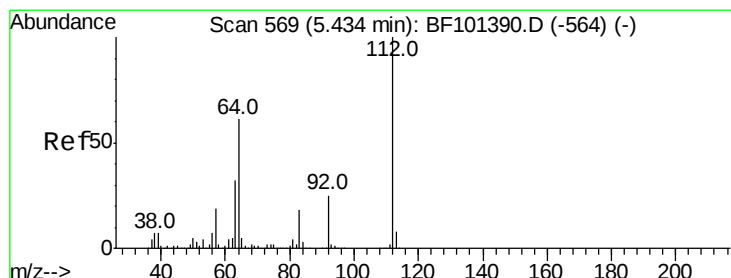
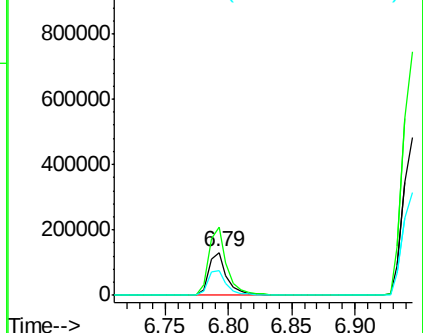
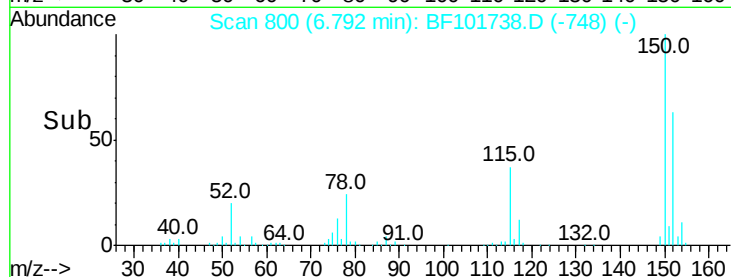
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

Instrument :
BNA_F
ClientSampleId :
VNJ-221-OILY-STONES

Tot Ion:152 Resp: 132318
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 58.8 50.1 75.1



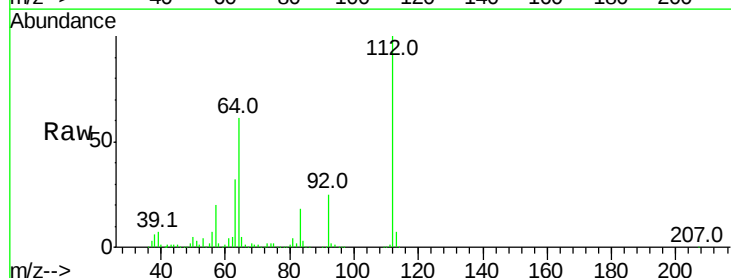
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



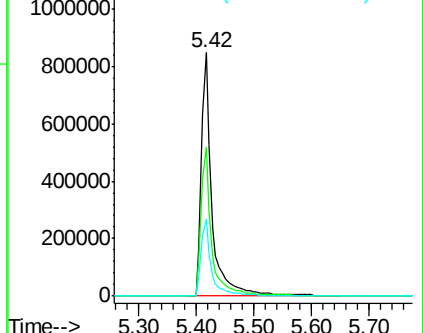
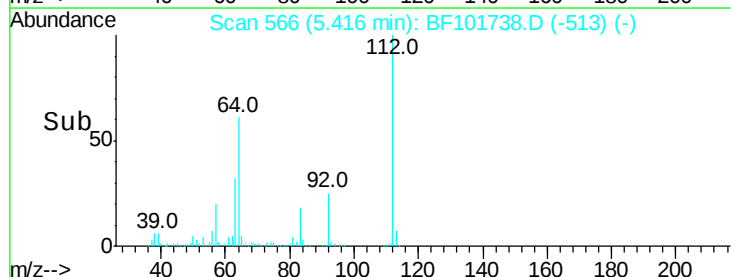
#5

2-Fluorophenol
Concen: 125.261 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

Tgt Ion:112 Resp: 1112684
Ion Ratio Lower Upper
112 100
64 61.1 47.9 71.9
63 31.9 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: 117.843 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

Instrument :

BNA_F

ClientSampleId :

VNJ-221-OILY-STONES

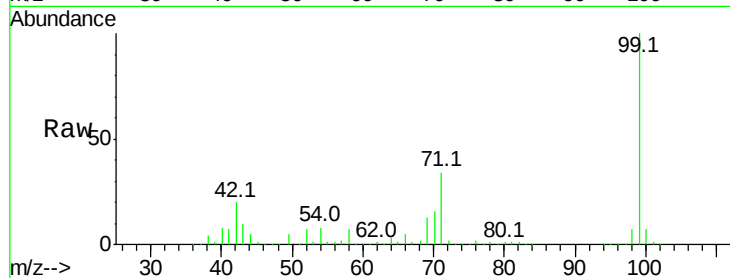
Tot Ion: 99 Resp: 1302767

Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	33.6	25.4	38.0

99 100

42 20.2 14.5 21.7

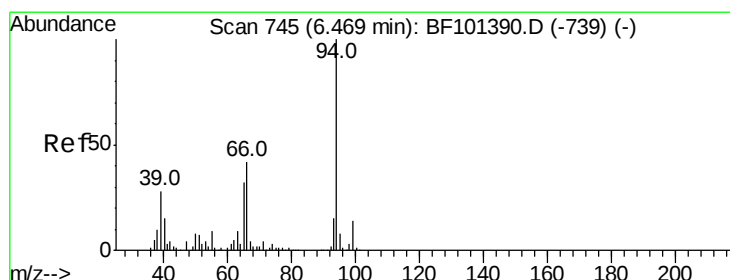
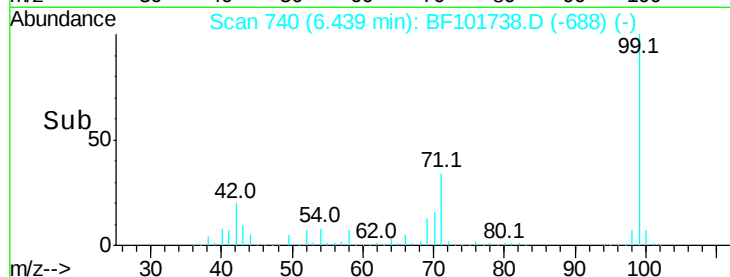
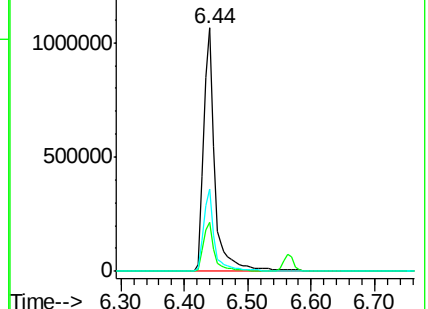
71 33.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.759 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

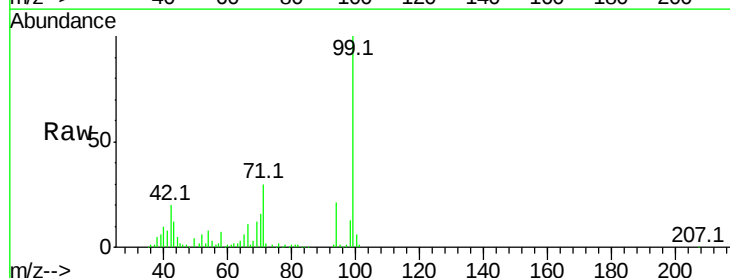
Tgt Ion: 94 Resp: 47363

Ion	Ratio	Lower	Upper
94	100		
65	29.4	7.9	47.9
66	52.2	16.2	56.2

94 100

65 29.4 7.9 47.9

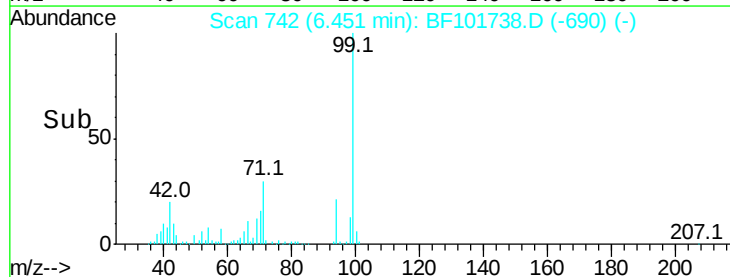
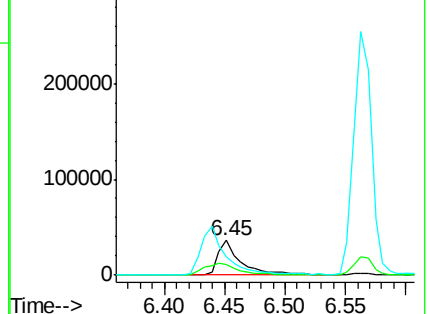
66 52.2 16.2 56.2

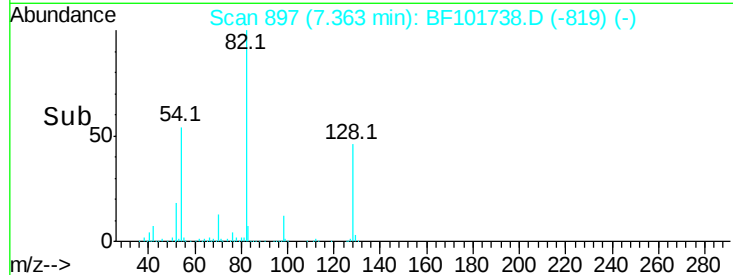
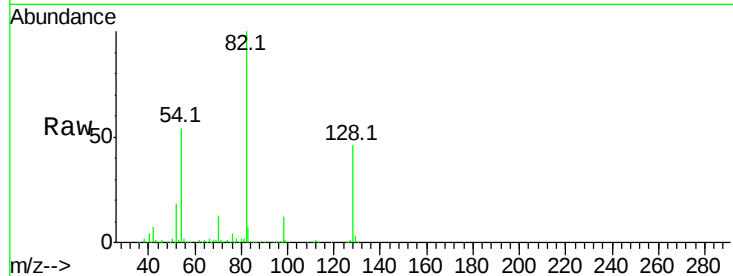


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 14.395 ng

RT: 7.36 min Scan# 897

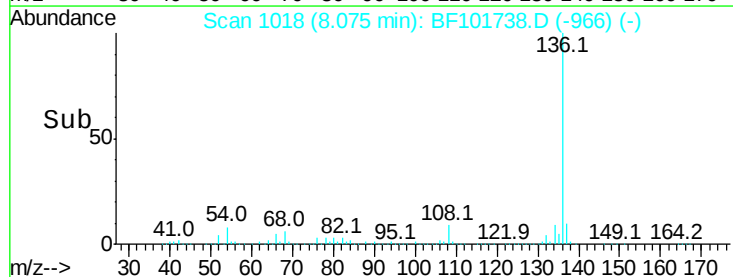
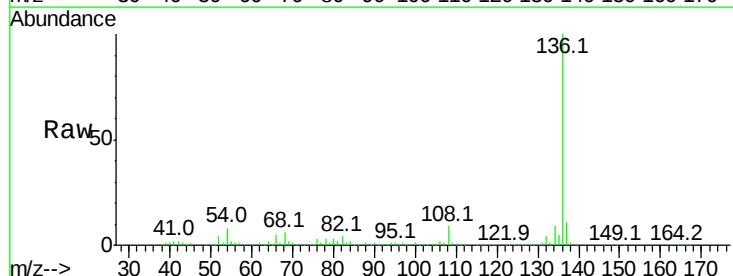
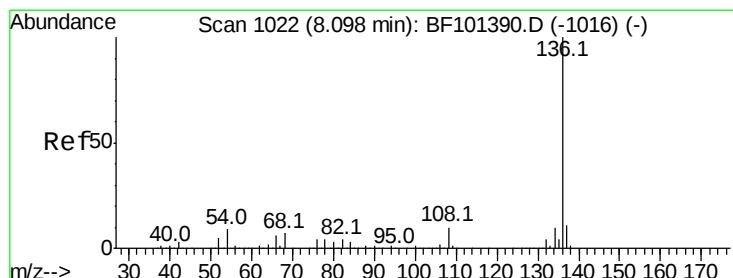
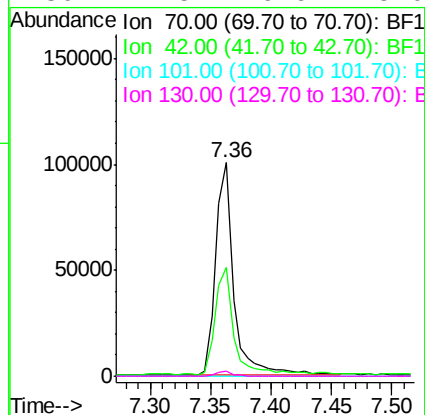
Delta R.T. 0.16 min

Lab File: BF101738.D

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BNA_F
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VNJ-221-OILY-STONES

Tot Ion:	70	Resp:	104511
Ion	Ratio	Lower	Upper
70	100		
42	51.0	47.5	71.3
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

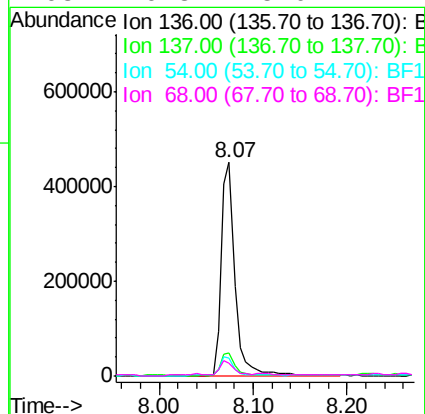
RT: 8.07 min Scan# 1018

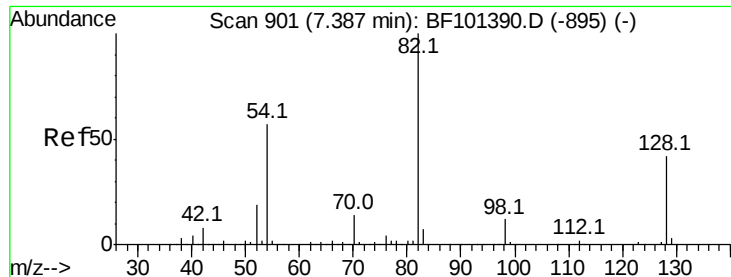
Delta R.T. 0.01 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

Tgt Ion:	136	Resp:	470660
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.3	6.6	9.8
68	6.3	5.0	7.4

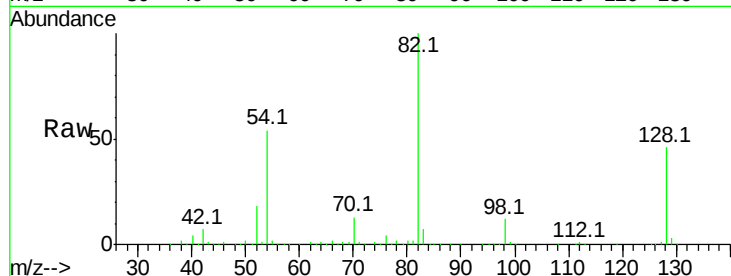




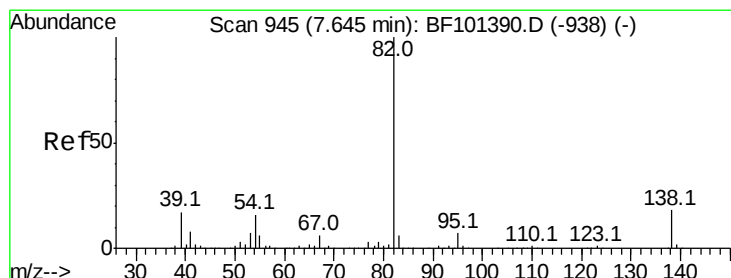
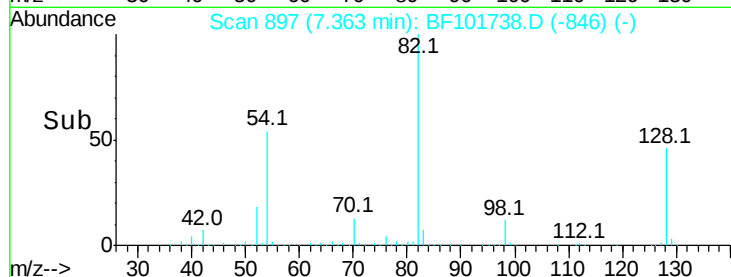
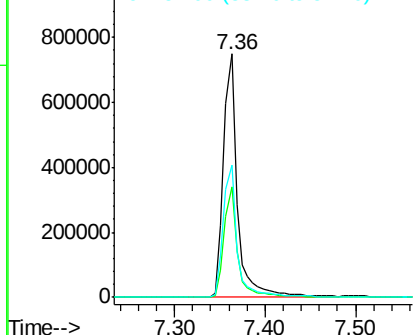
#23
Nitrobenzene-d5
Concen: 94.307 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

Instrument :
BNA_F
ClientSampleId :
VNJ-221-OILY-STONES

Tot Ion	82	Resp	797377
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	54.4	41.4	62.2

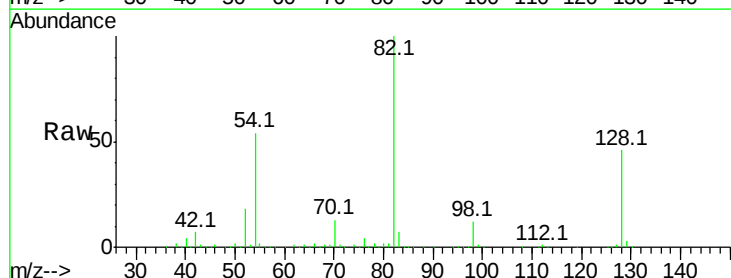


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

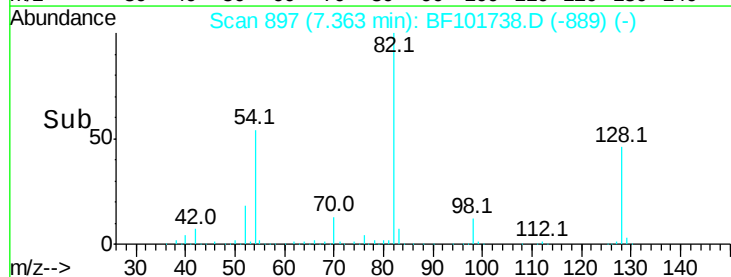
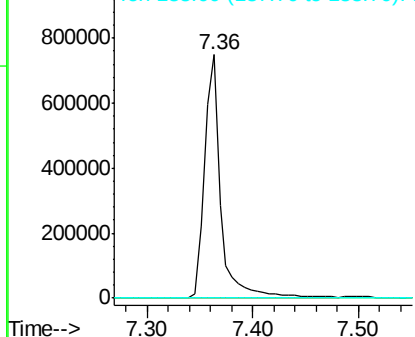


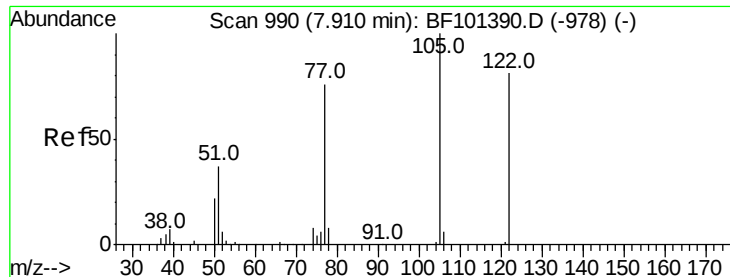
#25
Isophorone
Concen: 46.811 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.25 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

Tgt Ion	82	Resp	793992
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

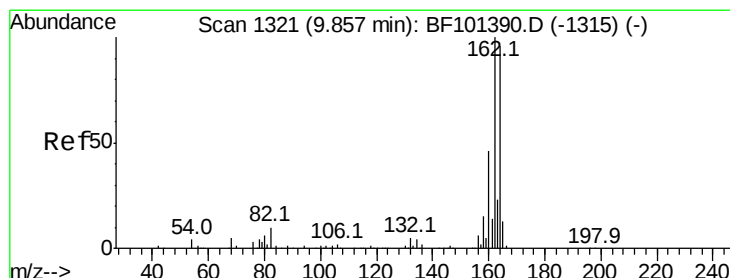
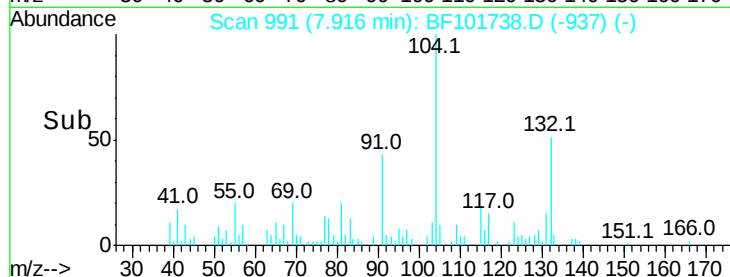
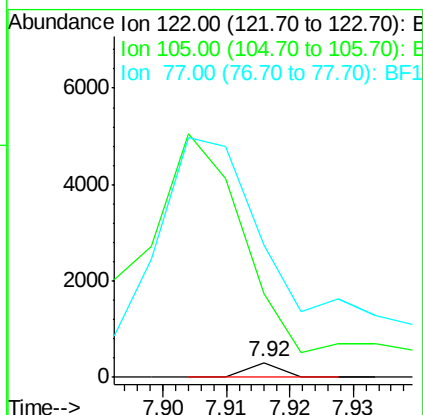
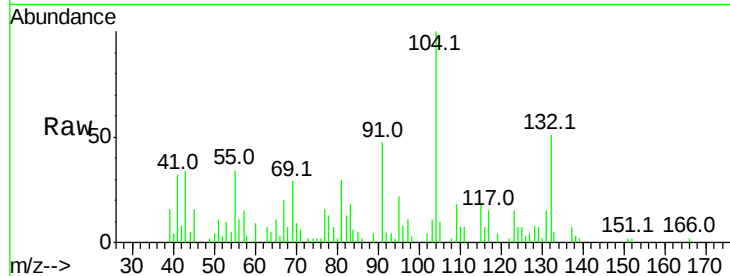




#32
Benzoic acid
Concen: 7.980 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.02 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

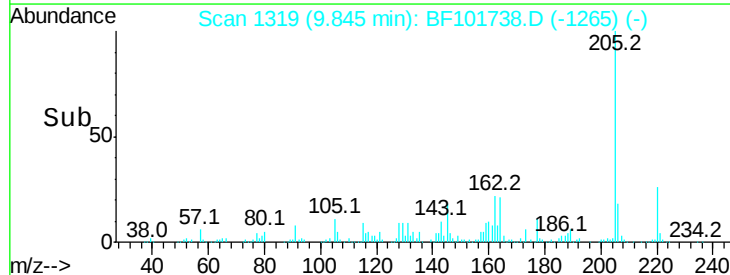
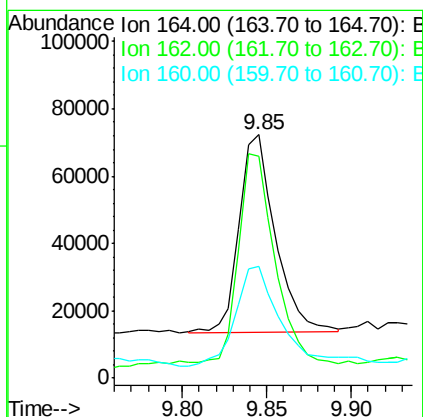
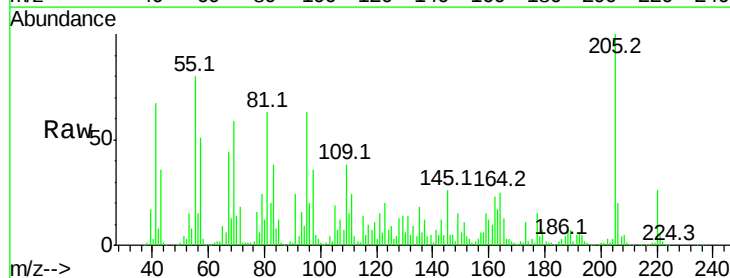
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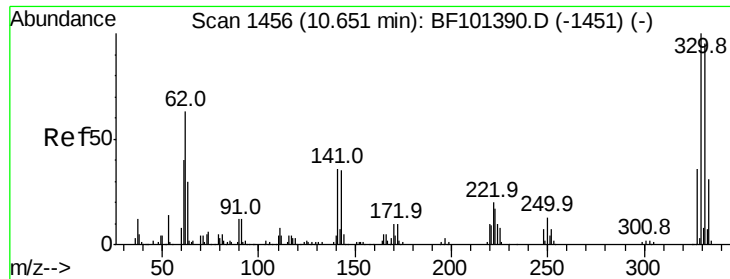
Tot Ion:122 Resp: 107
Ion Ratio Lower Upper
122 100
105 569.7 101.1 141.1#
77 904.3 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

Tgt Ion:164 Resp: 88084
Ion Ratio Lower Upper
164 100
162 91.3 86.1 129.1
160 45.8 38.3 57.5

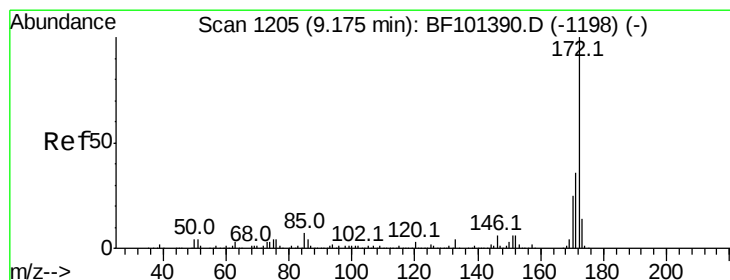
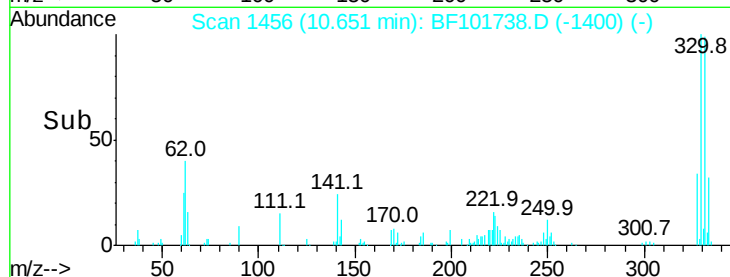
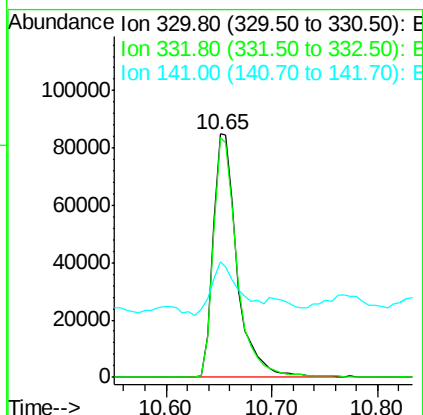
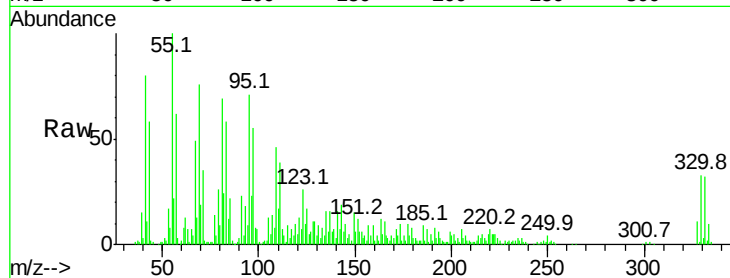




#41
 2,4,6-Tribromophenol
 Concen: 160.242 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.03 min
 Lab File: BF101738.D
 Acq: 27 Dec 2017 2:27

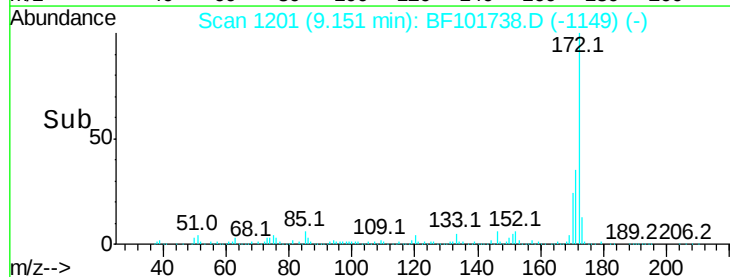
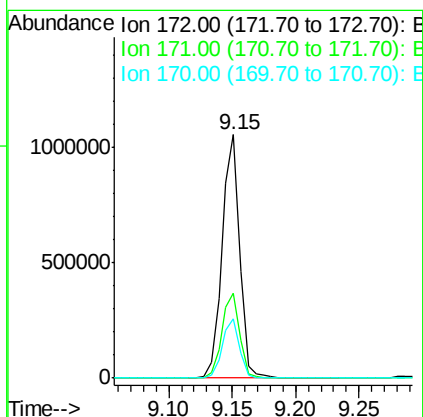
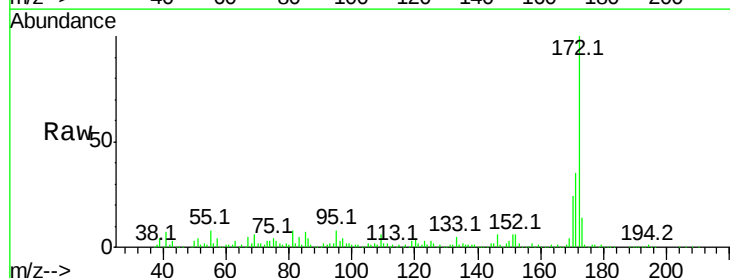
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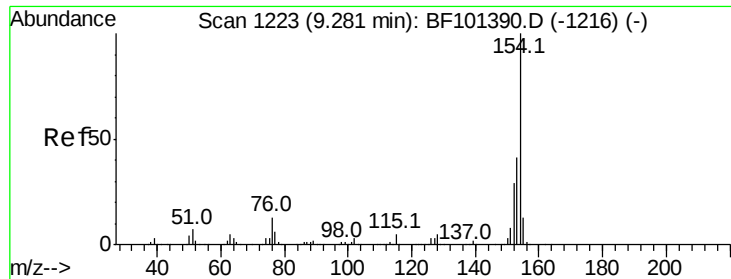
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	26.2	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 179.219 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF101738.D
 Acq: 27 Dec 2017 2:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.1	19.6	29.4





#45

1,1'-Biphenyl

Concen: 2.658 ng

RT: 9.26 min Scan# 1219

Delta R.T. 0.01 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

Instrument :

BNA_F

ClientSampleId :

VNJ-221-OILY-STONES

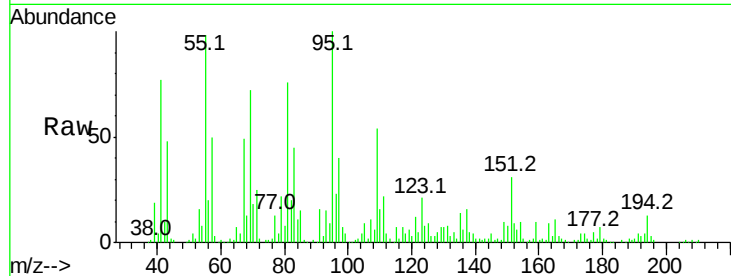
Tot Ion:154 Resp: 20765

Ion Ratio Lower Upper

154 100

153 54.1 21.3 61.3

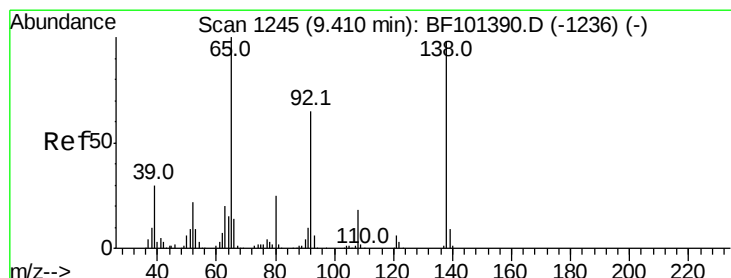
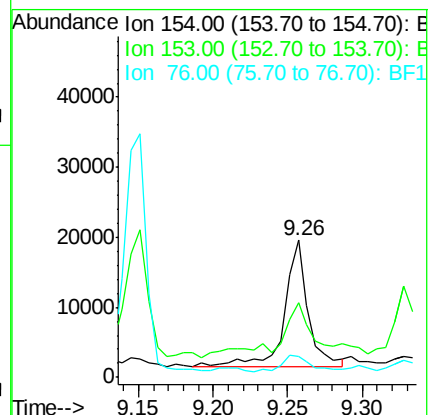
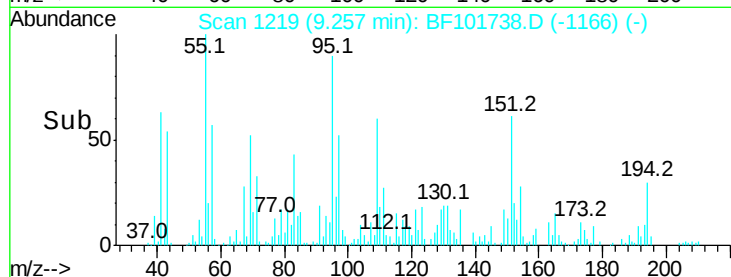
76 15.7 0.0 34.0



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



#47

2-Nitroaniline

Concen: 5.052 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.08 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

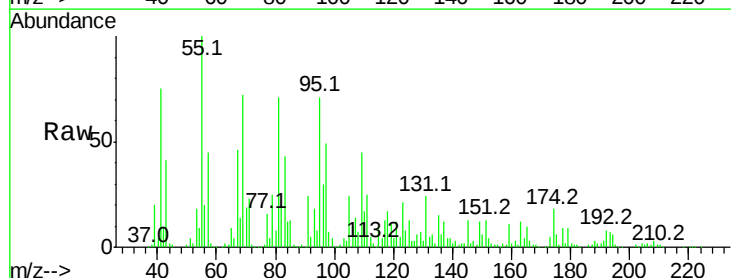
Tgt Ion: 65 Resp: 10431

Ion Ratio Lower Upper

65 100

92 61.7 55.8 83.6

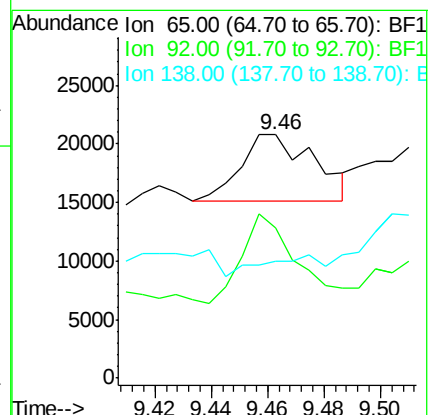
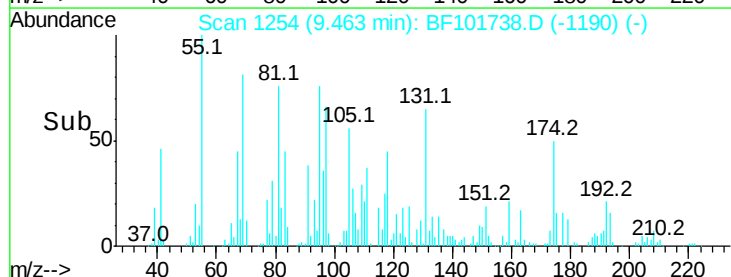
138 47.8 91.2 136.8#

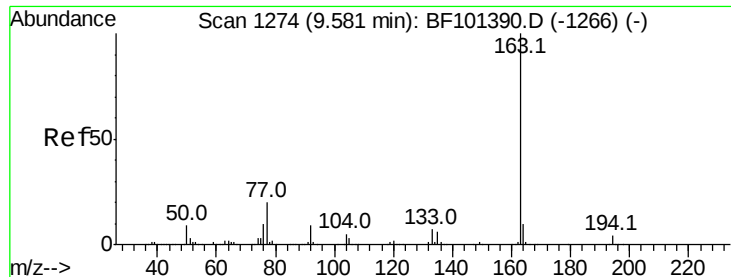


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

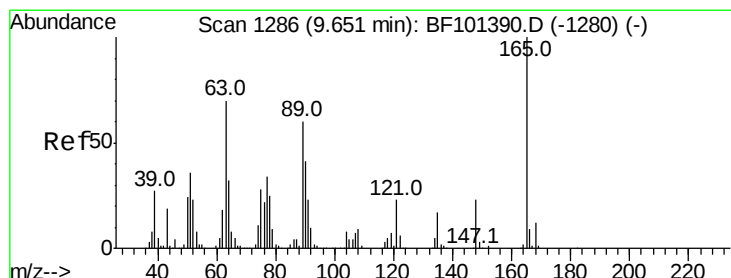
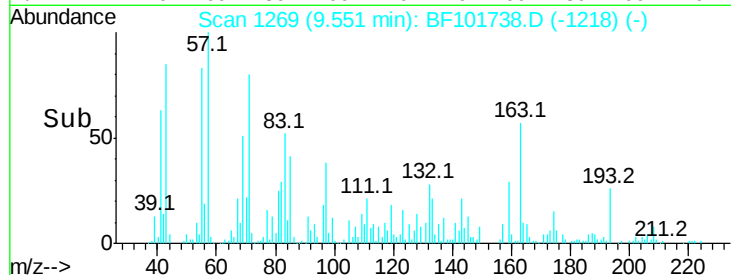
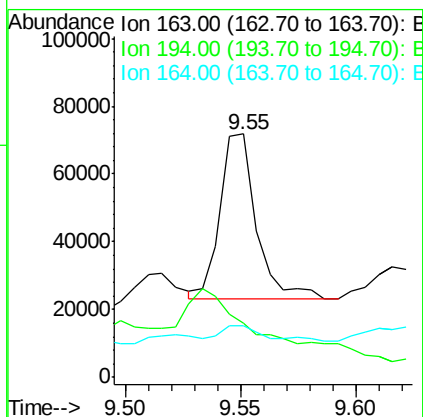
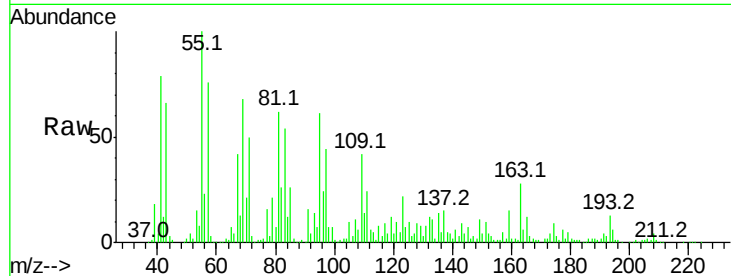




#49
Dimethylphthalate
Concen: 7.582 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

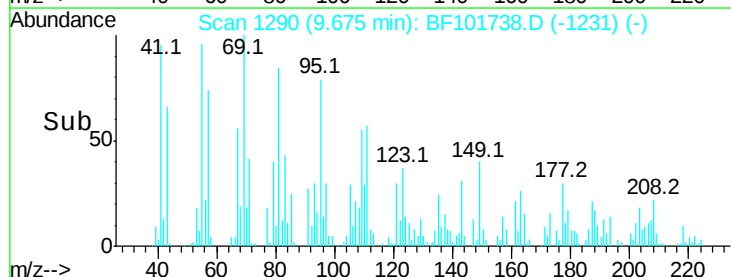
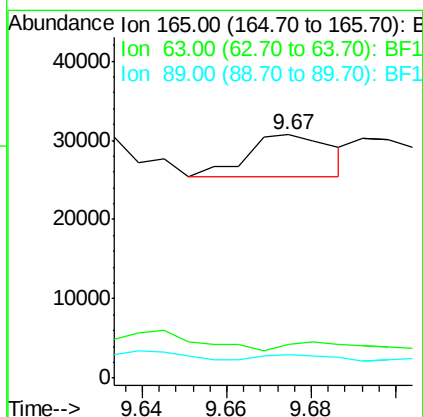
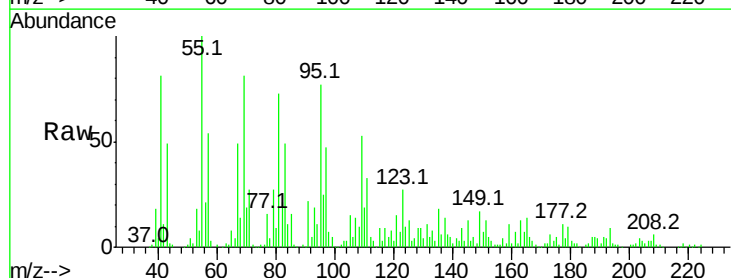
Instrument :
BNA_F
ClientSampleId :
VNJ-221-OILY-STONES

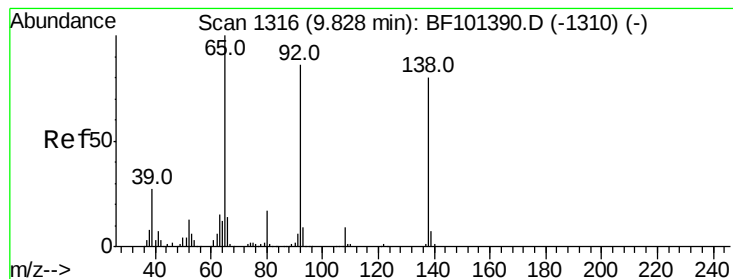
Tot Ion:163 Resp: 53721
Ion Ratio Lower Upper
163 100
194 22.2 2.7 4.1#
164 21.2 8.2 12.2#



#50
2,6-Dinitrotoluene
Concen: 5.218 ng
RT: 9.67 min Scan# 1290
Delta R.T. 0.05 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

Tgt Ion:165 Resp: 7514
Ion Ratio Lower Upper
165 100
63 13.7 44.7 67.1#
89 9.7 44.0 66.0#





#52

3-Nitroaniline

Concen: 3.769 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

Instrument :

BNA_F

ClientSampleId :

VNJ-221-OILY-STONES

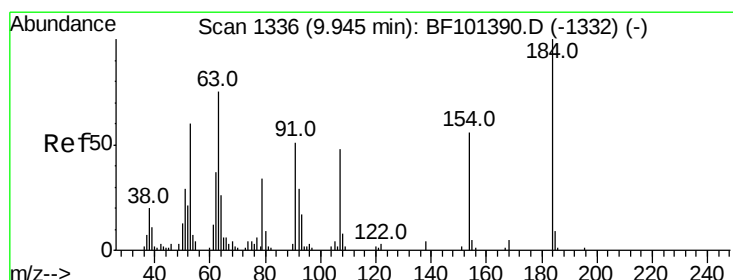
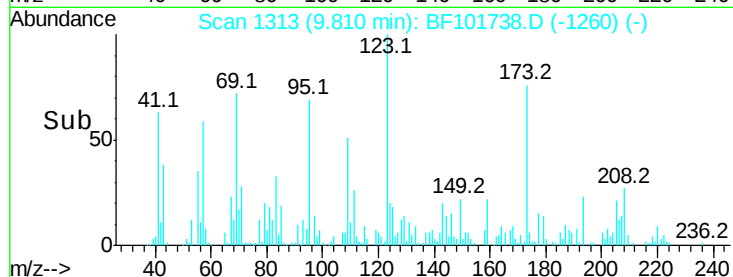
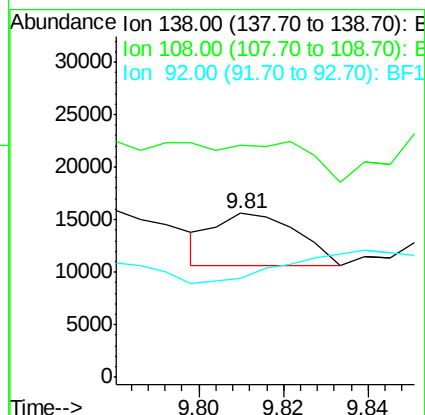
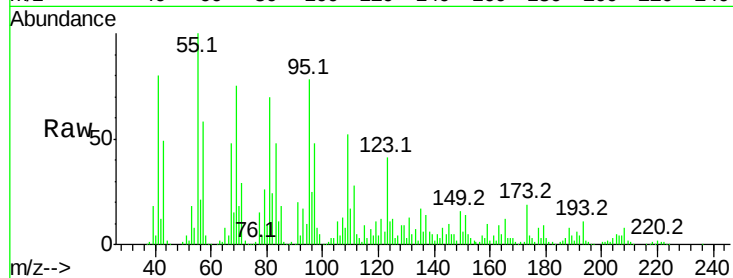
Tot Ion:138 Resp: 6766

Ion Ratio Lower Upper

138 100

108 141.5 9.4 14.0#

92 60.7 89.4 134.2#



#53

2,4-Dinitrophenol

Concen: 10.767 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.02 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

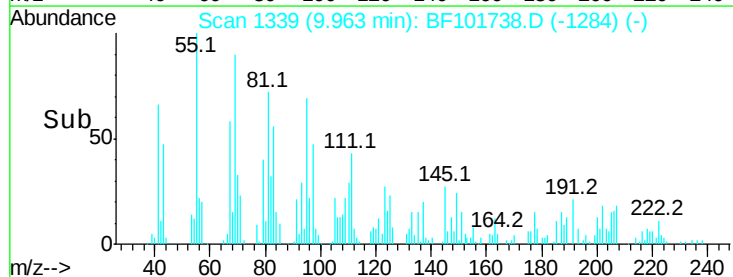
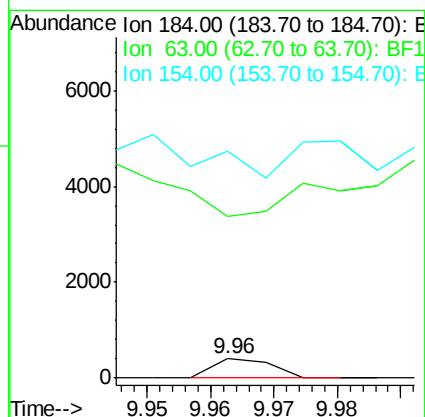
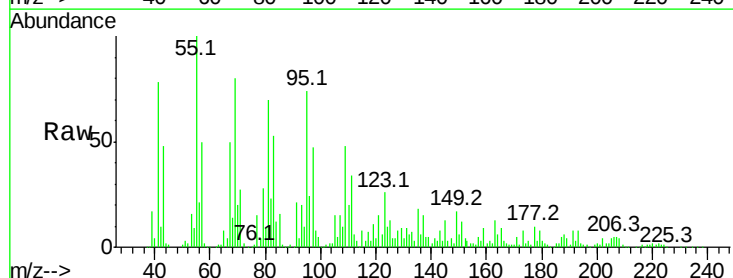
Tgt Ion:184 Resp: 257

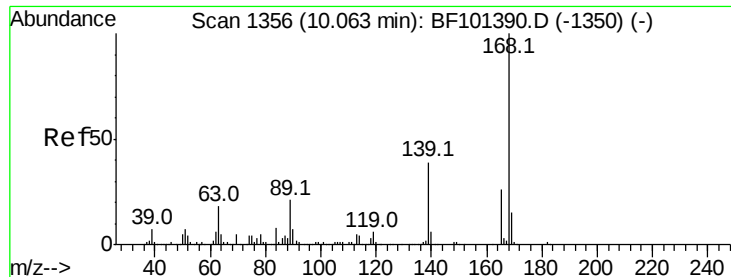
Ion Ratio Lower Upper

184 100

63 844.9 54.2 81.2#

154 1187.5 184.0 276.0#

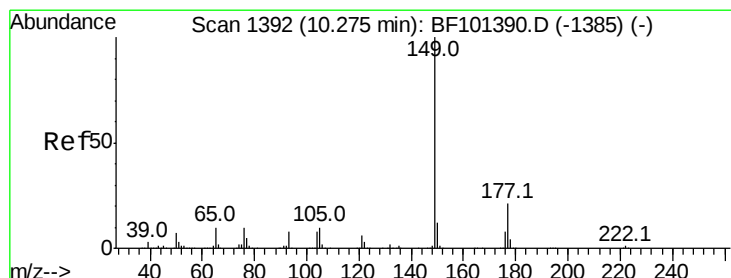
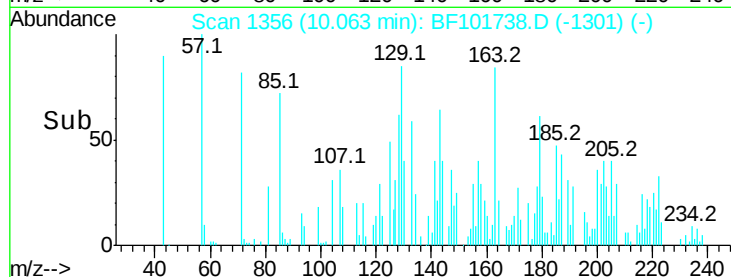
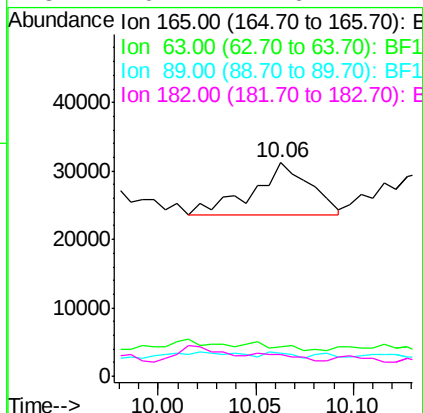
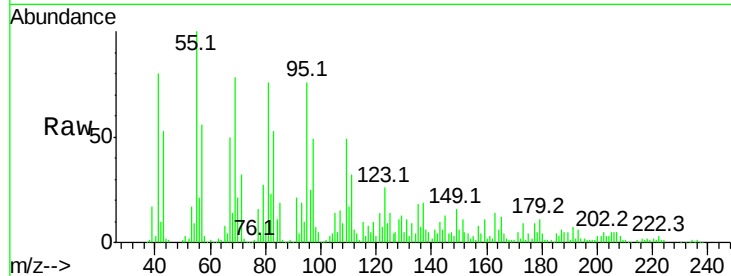




#56
2,4-Dinitrotoluene
Concen: 9.596 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.02 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

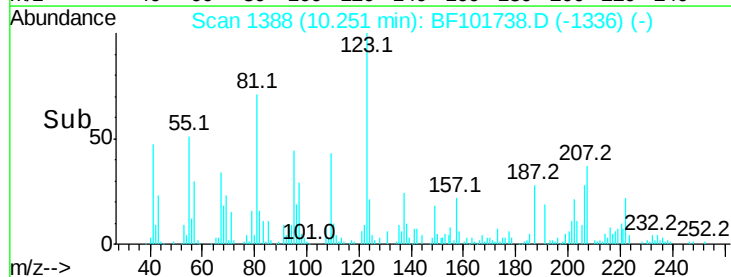
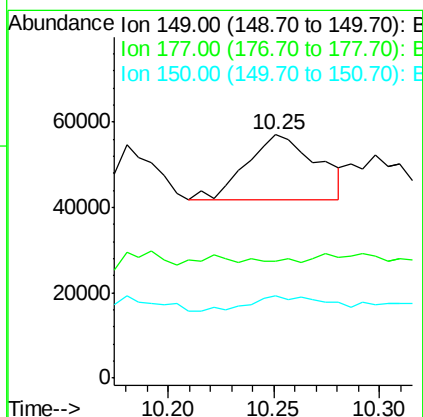
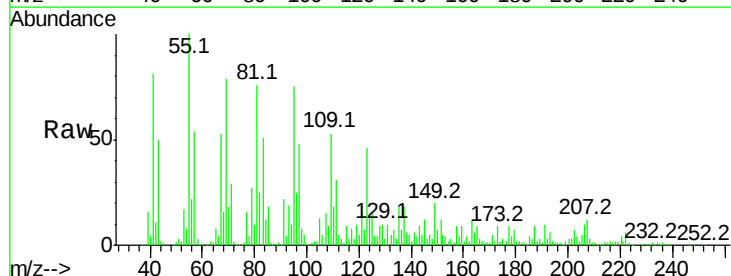
Instrument :
BNA_F
ClientSampleId :
VNJ-221-OILY-STONES

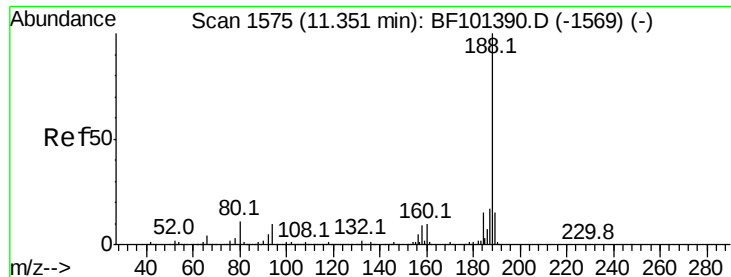
Tot Ion:165 Resp: 15568
Ion Ratio Lower Upper
165 100
63 14.1 36.4 54.6#
89 11.0 57.8 86.6#
182 10.1 1.6 2.4#



#59
Diethylphthalate
Concen: 5.007 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.01 min
Lab File: BF101738.D
Acq: 27 Dec 2017 2:27

Tgt Ion:149 Resp: 35131
Ion Ratio Lower Upper
149 100
177 47.8 16.1 24.1#
150 33.9 10.1 15.1#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.04 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

Instrument :

BNA_F

ClientSampleId :

VNJ-221-OILY-STONES

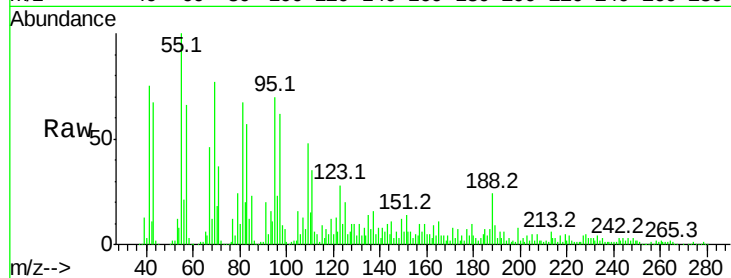
Tot Ion:188 Resp: 113073

Ion Ratio Lower Upper

188 100

94 43.4 8.5 12.7#

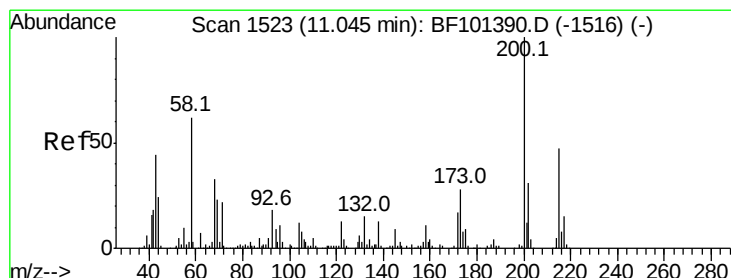
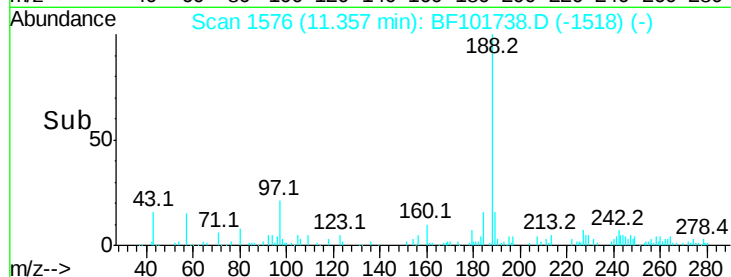
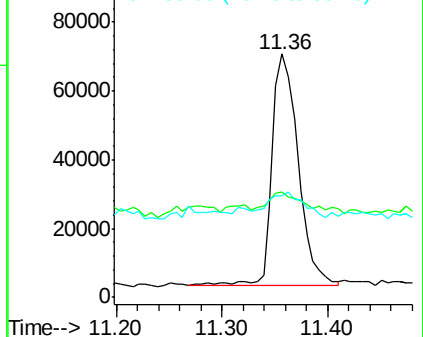
80 42.0 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#68

Atrazine

Concen: 14.632 ng

RT: 11.06 min Scan# 1525

Delta R.T. 0.04 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

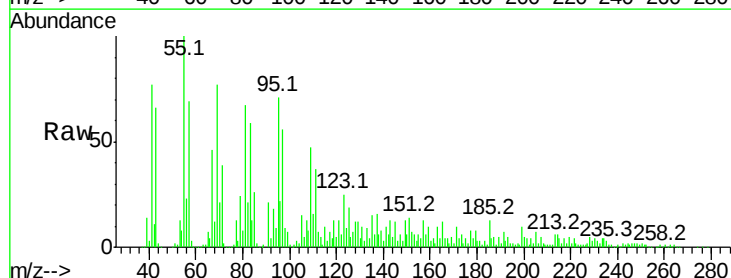
Tgt Ion:200 Resp: 18216

Ion Ratio Lower Upper

200 100

173 112.7 8.6 48.6#

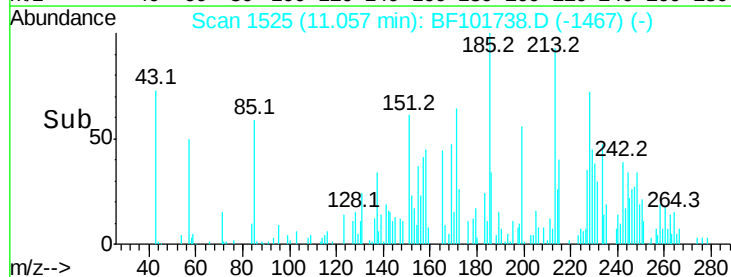
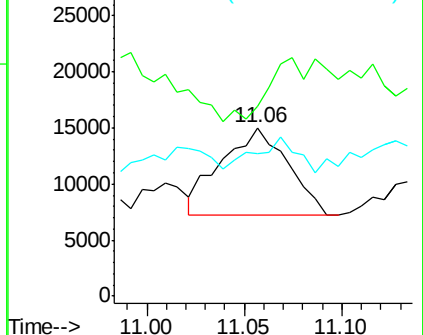
215 84.4 25.1 65.1#

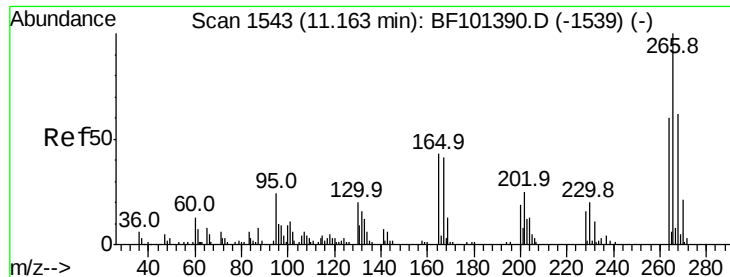


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

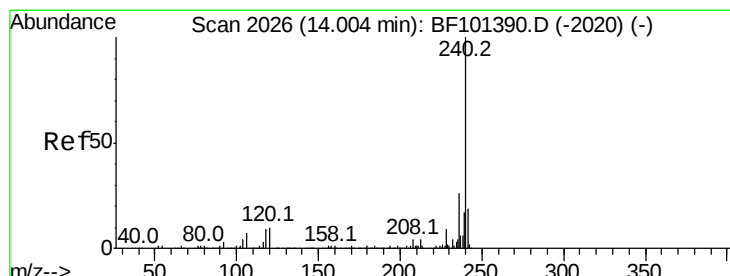
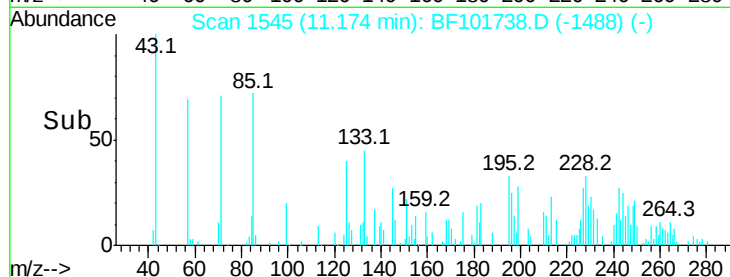
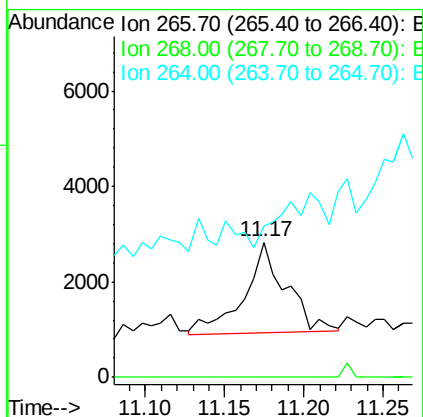
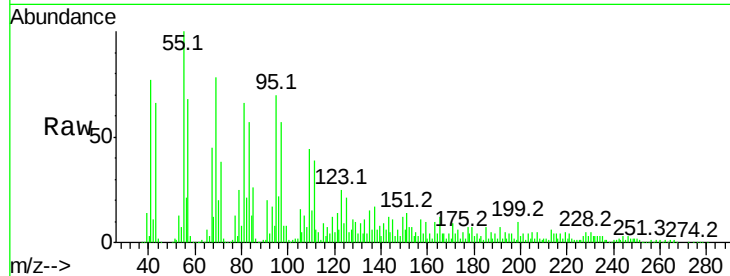




#69
 Pentachlorophenol
 Concen: 12.719 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. 0.04 min
 Lab File: BF101738.D
 Acq: 27 Dec 2017 2:27

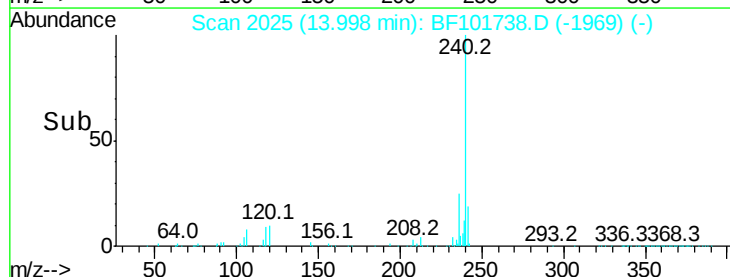
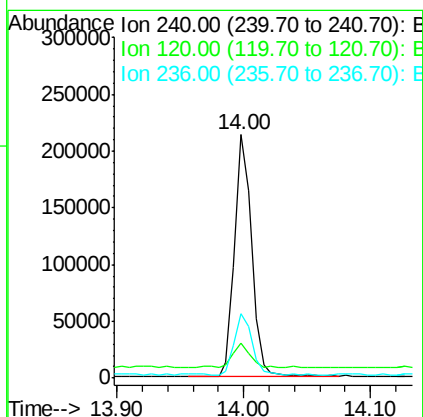
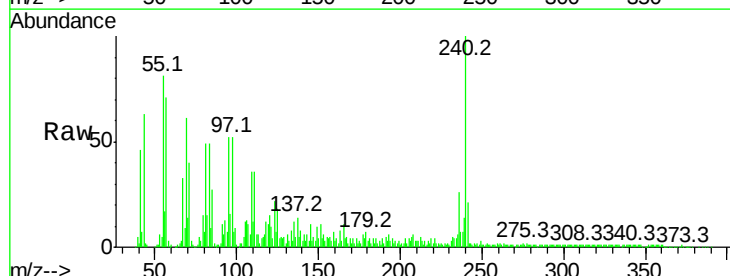
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221-OILY-STONES

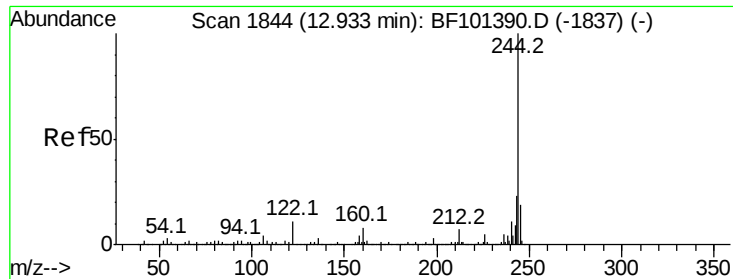
Tot Ion:266 Resp: 3510
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 112.1 49.5 74.3#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.03 min
 Lab File: BF101738.D
 Acq: 27 Dec 2017 2:27

Tgt Ion:240 Resp: 197816
 Ion Ratio Lower Upper
 240 100
 120 14.6 9.5 14.3#
 236 26.4 20.7 31.1





#78

Terphenyl-d14

Concen: 51.623 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.05 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

Instrument :

BNA_F

ClientSampleId :

VNJ-221-OILY-STONES

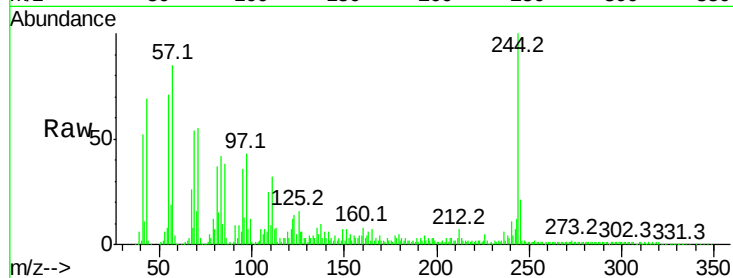
Tot Ion:244 Resp: 423591

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

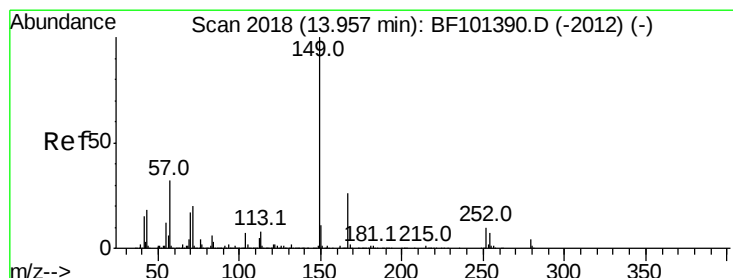
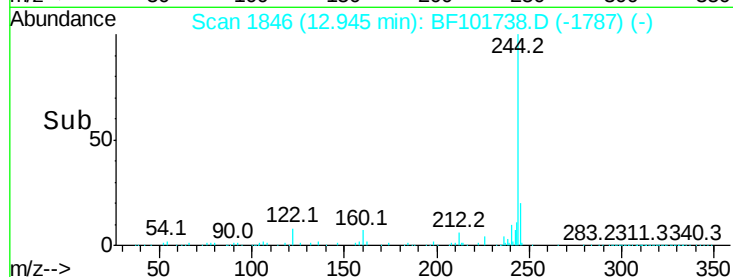
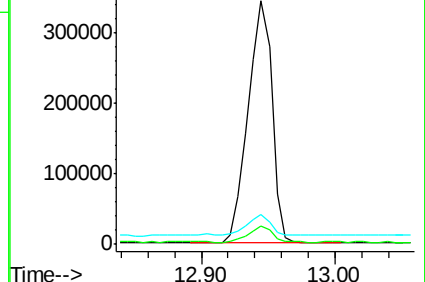
122 12.3 11.0 16.4



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: 12.966 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.02 min

Lab File: BF101738.D

Acq: 27 Dec 2017 2:27

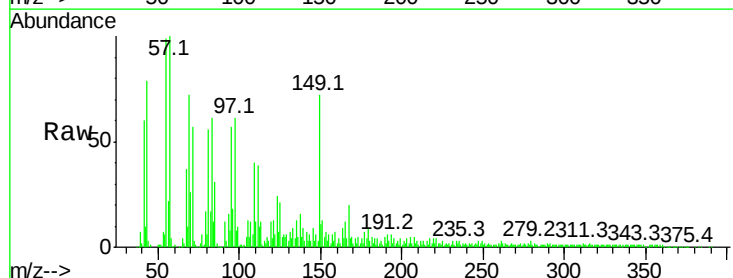
Tgt Ion:149 Resp: 110320

Ion Ratio Lower Upper

149 100

167 28.1 21.3 31.9

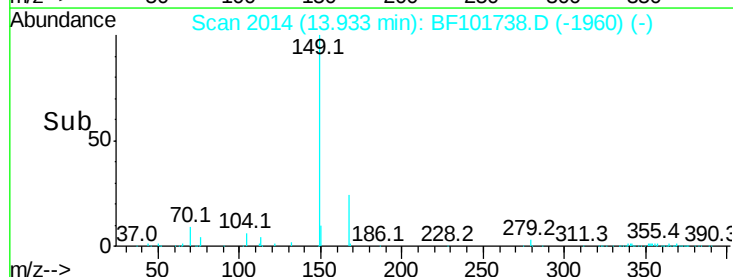
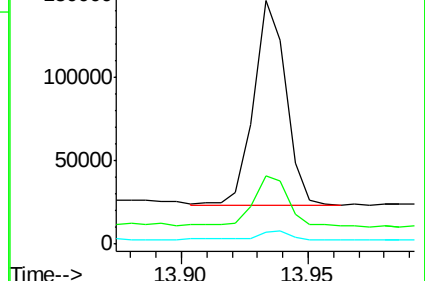
279 4.8 3.0 4.4#

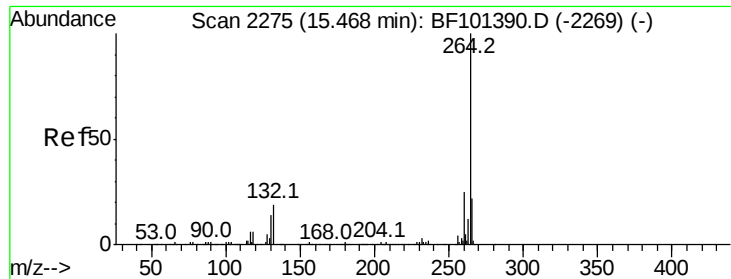


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.02 min
 Lab File: BF101738.D
 Acq: 27 Dec 2017 2:27

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221-OILY-STONES

Tot Ion:	264	Resp:	236217
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	17.5	26.3

