

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112143.D
 Acq On : 18 Jan 2019 23:46
 Operator : JU/SJ
 Sample : K1180-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-STONES

Quant Time: Jan 19 00:48:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 23:33:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	271170	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1022867	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	489001	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	888661	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	648570	20.00	ng	-0.01
87) Perylene-d12	15.49	264	656352	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1448427	96.95	ng	0.00
7) Phenol-d6	6.50	99	1575207	84.27	ng	0.00
23) Nitrobenzene-d5	7.42	82	1339961	90.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	644288	122.13	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2523764	75.67	ng	0.00
79) Terphenyl-d14	12.96	244	2503936	82.13	ng	0.00

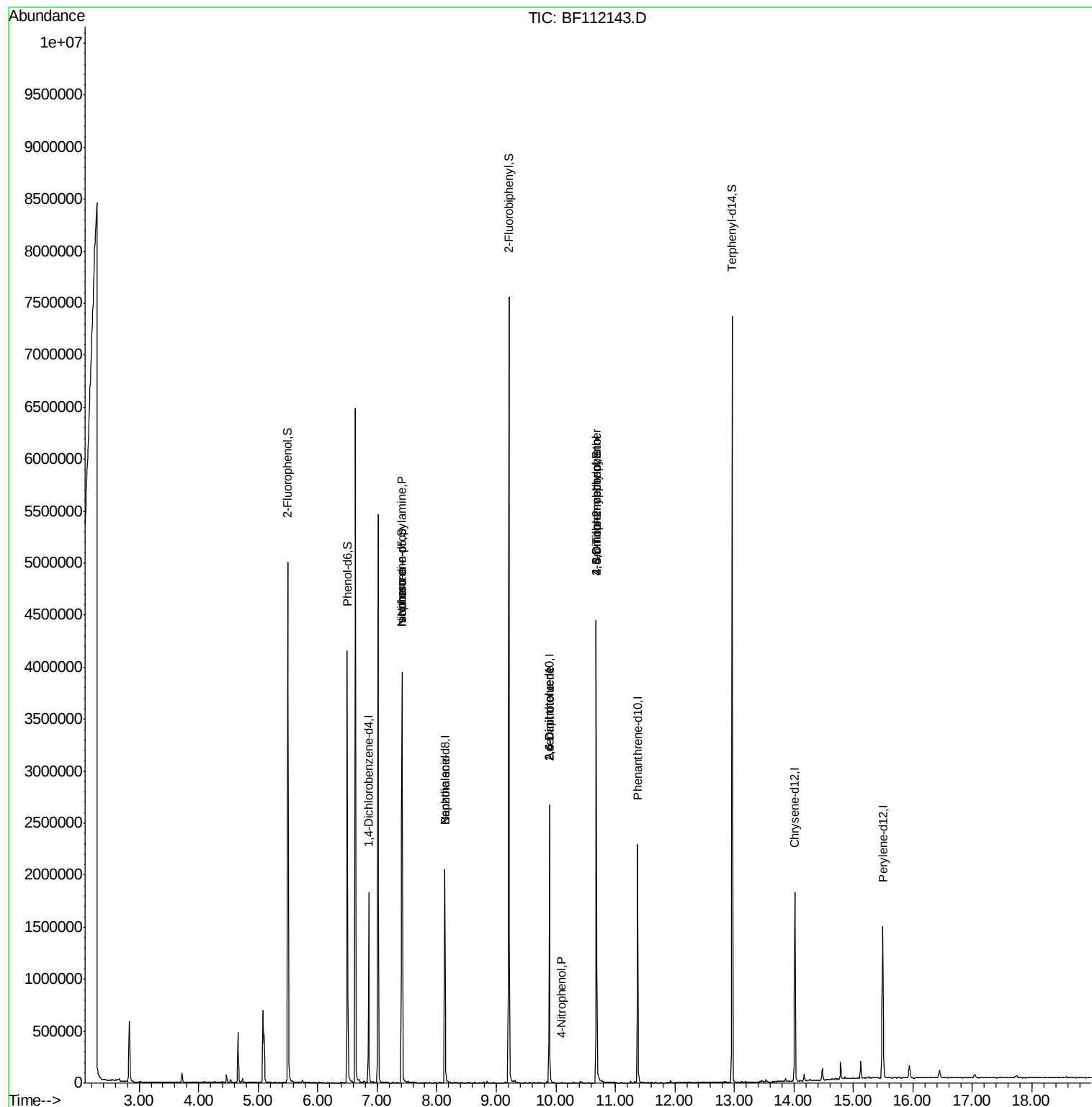
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2382	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	183117	16.081	ng	# 76
25) Isophorone	7.42	82	1321863	46.225	ng	# 64
32) Benzoic acid	8.13	122	136	7.192	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	63267	8.884	ng	# 34
56) 4-Nitrophenol	10.10	139	653	5.762	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	63267	10.841	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.68	198	1292	10.345	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	37545	3.637	ng	# 1

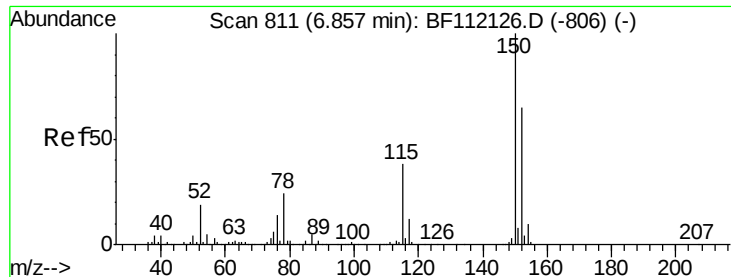
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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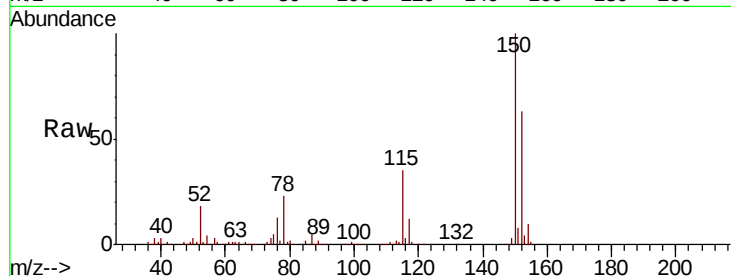


#1

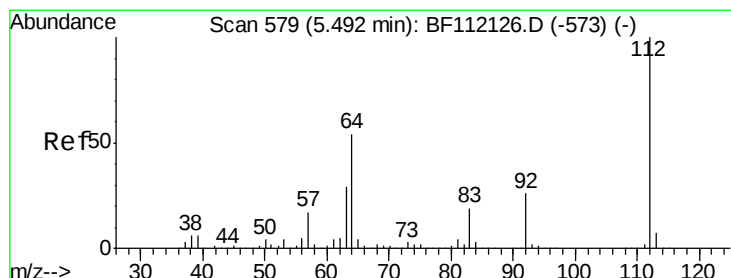
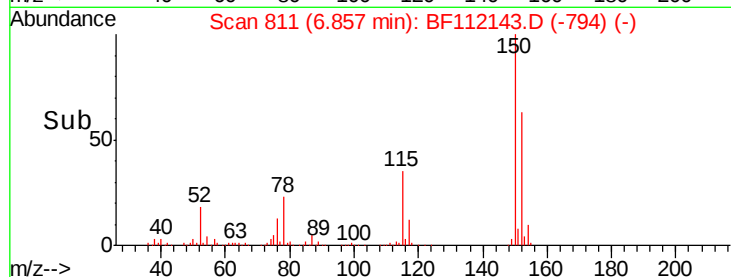
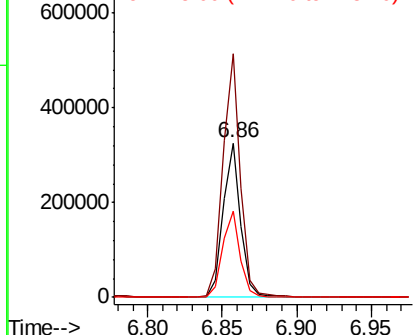
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tgt Ion:152 Resp: 271170
Ion Ratio Lower Upper
152 100
150 157.8 127.4 191.0
115 55.9 45.5 68.3



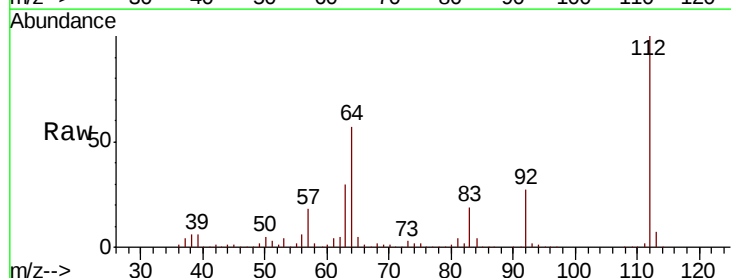
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



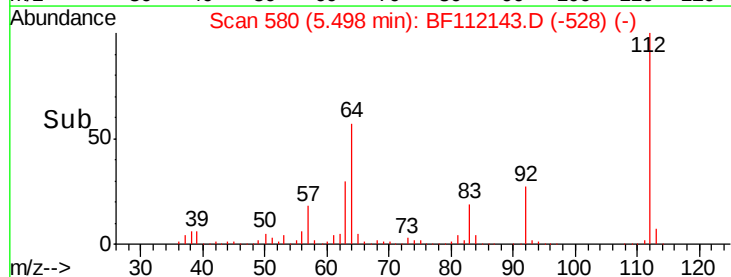
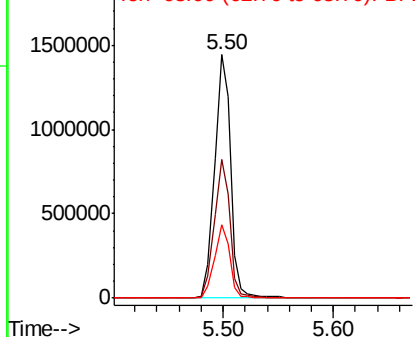
#5

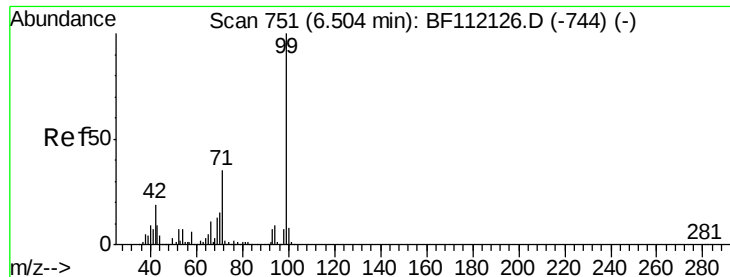
2-Fluorophenol
Concen: 96.948 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Tgt Ion:112 Resp: 1448427
Ion Ratio Lower Upper
112 100
64 56.7 45.7 68.5
63 30.0 23.6 35.4



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: 84.270 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

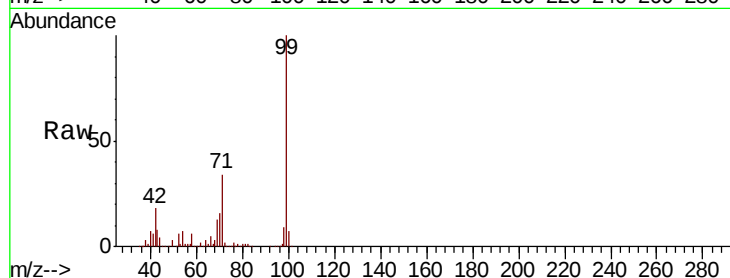
Tgt Ion: 99 Resp: 1575207

Ion Ratio Lower Upper

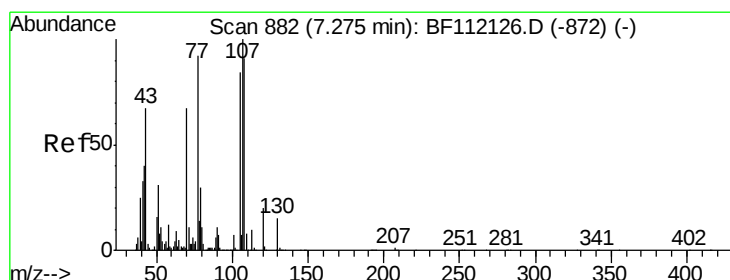
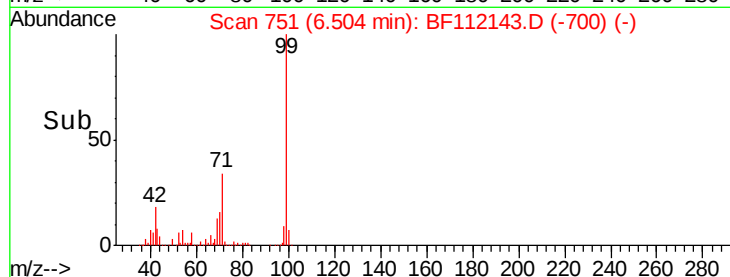
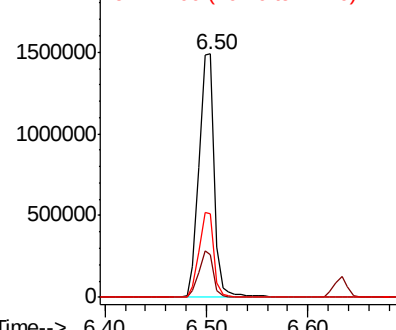
99 100

42 17.5 15.1 22.7

71 34.1 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.081 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

Tgt Ion: 70 Resp: 183117

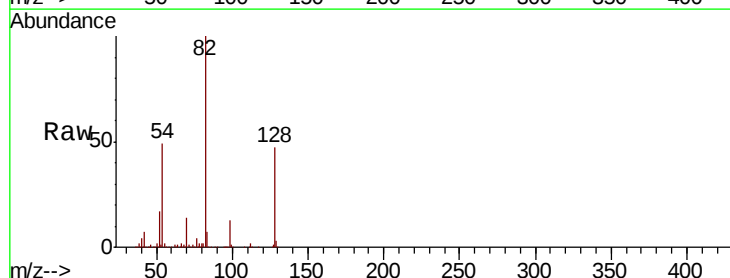
Ion Ratio Lower Upper

70 100

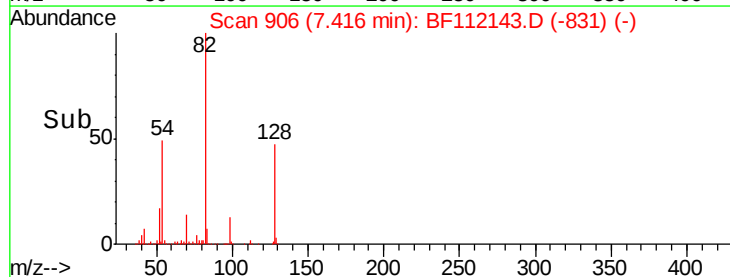
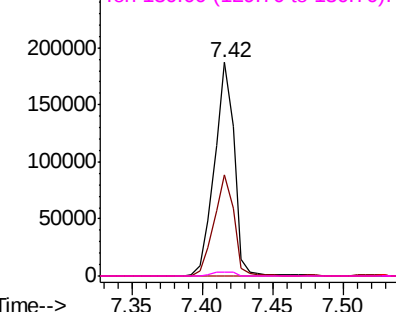
42 47.1 47.6 71.4#

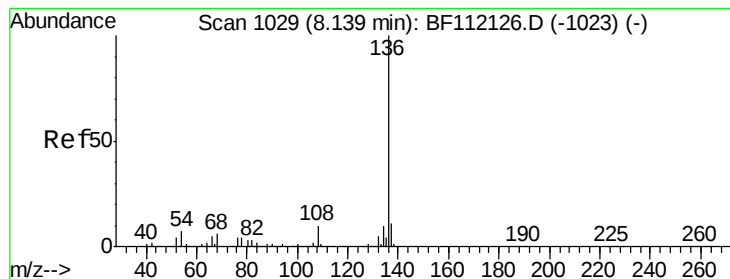
101 0.0 7.9 11.9#

130 1.9 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

Instrument :

BNA_F

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OILY-STONES

Tgt Ion: 136 Resp: 1022867

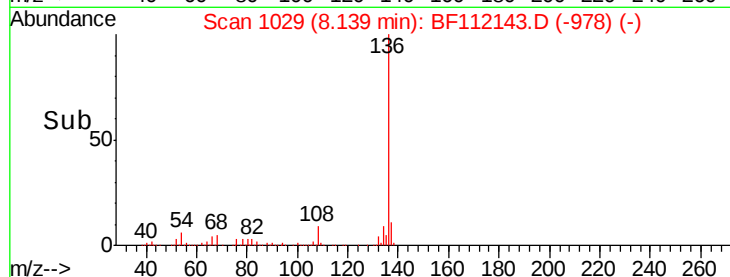
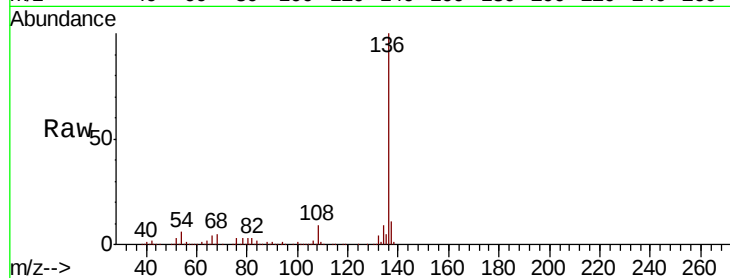
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.1 5.9 8.9

68 5.0 5.1 7.7#

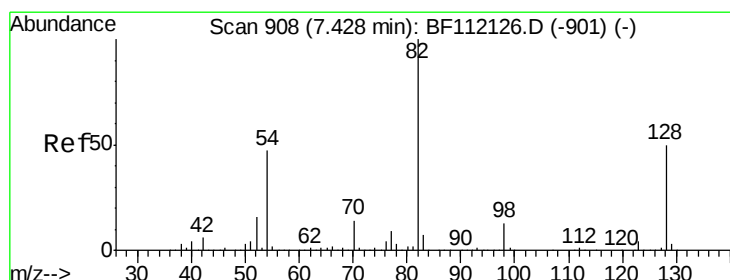
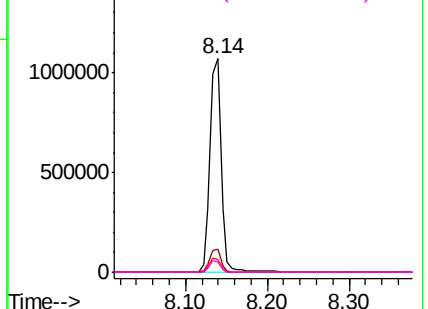


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.507 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

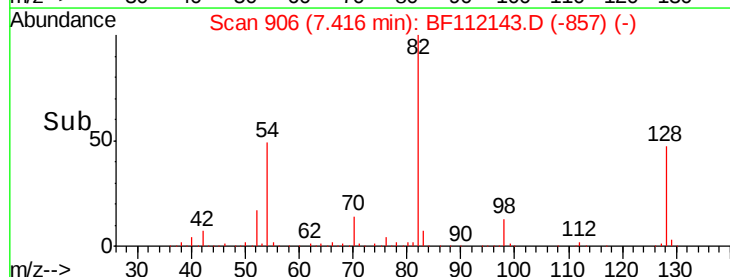
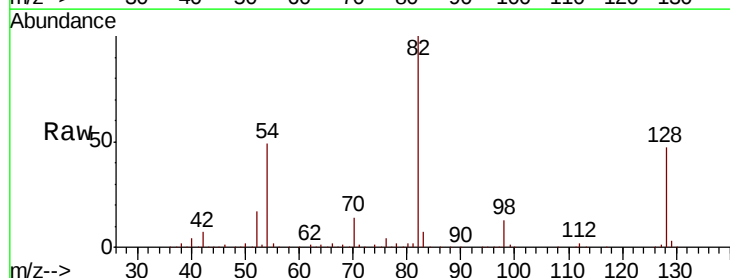
Tgt Ion: 82 Resp: 1339961

Ion Ratio Lower Upper

82 100

128 47.4 37.8 56.8

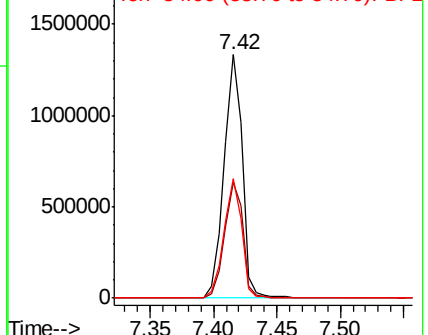
54 49.2 39.7 59.5

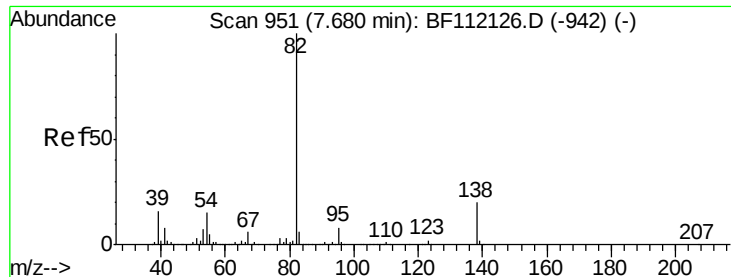


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.225 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112143.D

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OILY-STONES

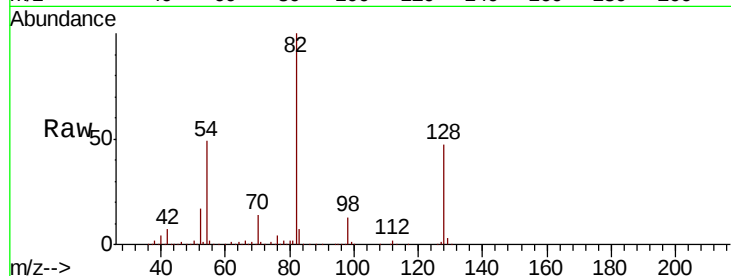
Tgt Ion: 82 Resp: 1321863

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

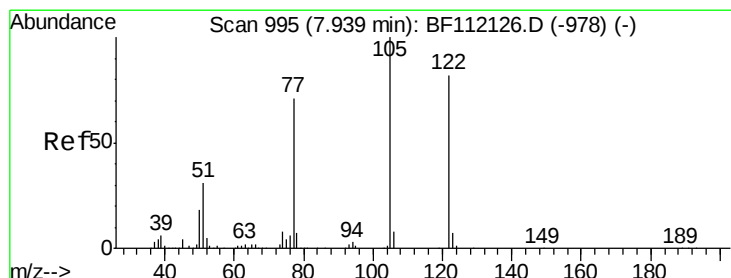
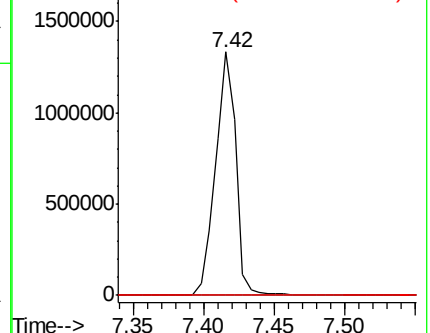
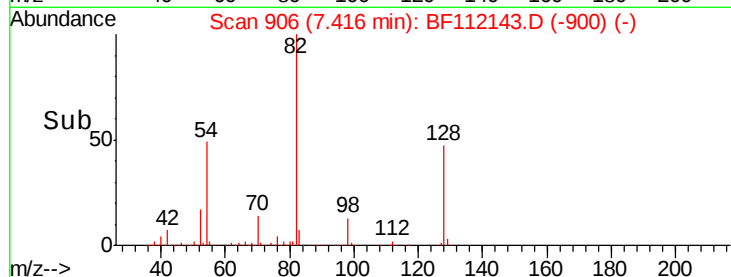
138 0.0 15.4 23.0#



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: 7.192 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.19 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

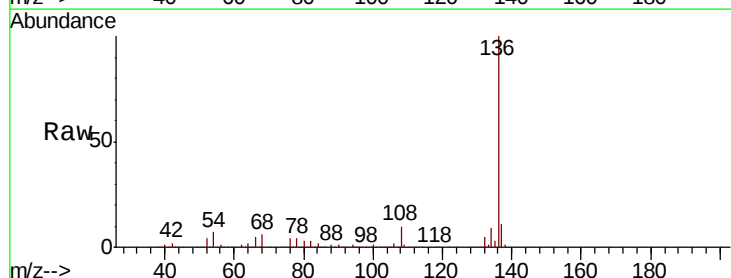
Tgt Ion: 122 Resp: 136

Ion Ratio Lower Upper

122 100

105 186.0 101.2 141.2#

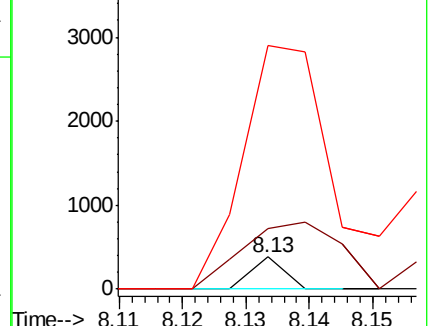
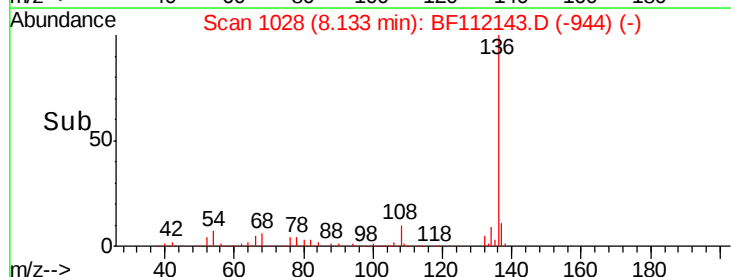
77 753.5 70.4 110.4#

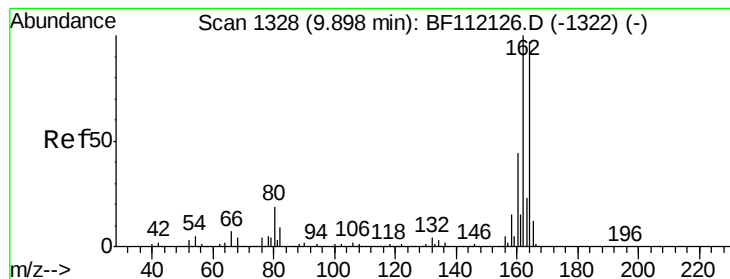


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

Instrument :

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ClientSampleId :

OILY-STONES

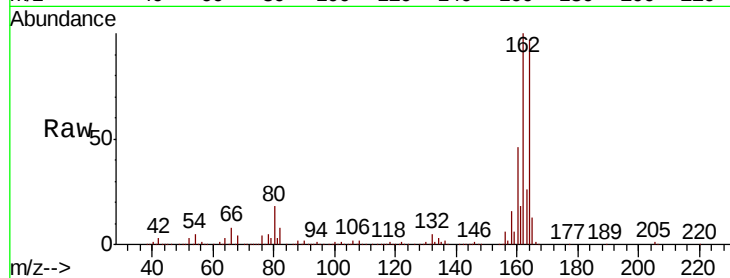
Tgt Ion:164 Resp: 489001

Ion Ratio Lower Upper

164 100

162 103.5 82.2 123.4

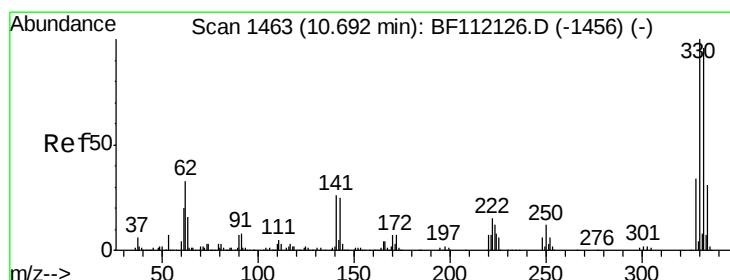
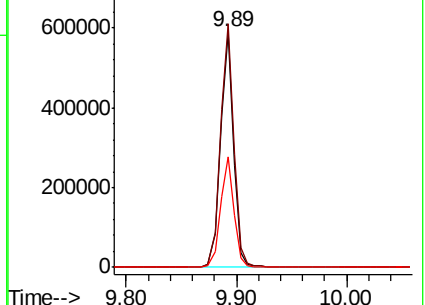
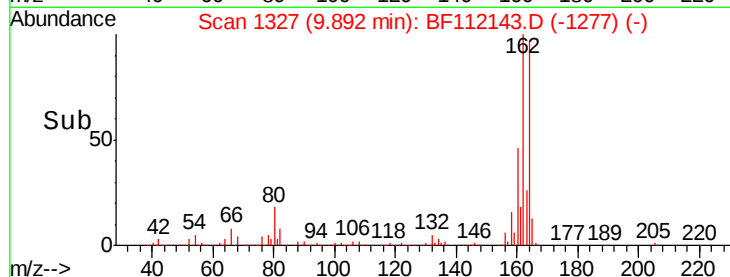
160 47.1 36.2 54.4



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



#42

2,4,6-Tribromophenol

Concen: 122.134 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

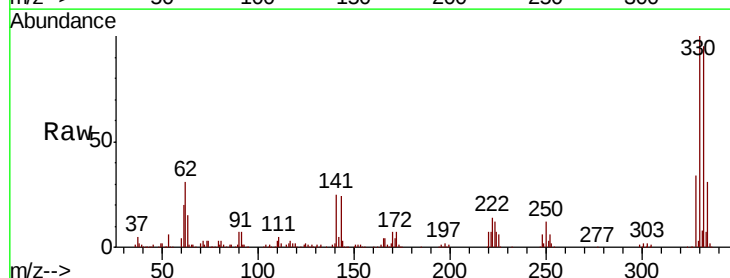
Tgt Ion:330 Resp: 644288

Ion Ratio Lower Upper

330 100

332 94.0 76.6 114.8

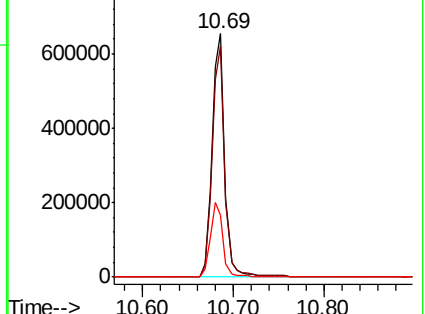
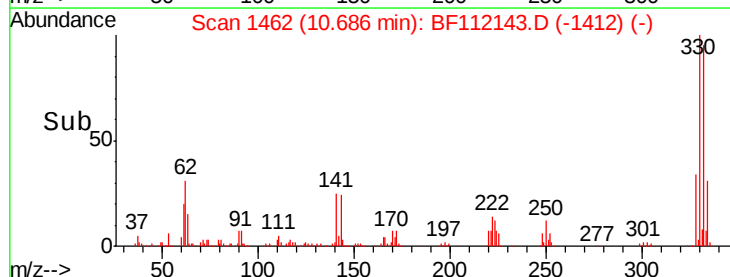
141 30.7 24.3 36.5

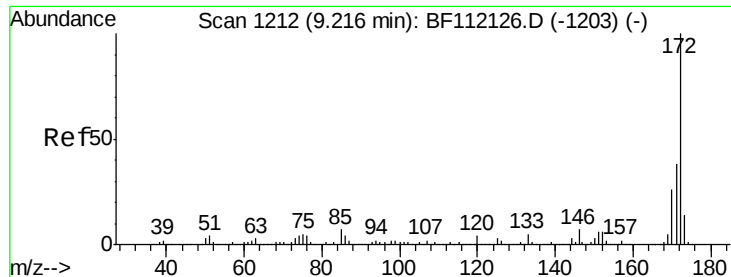


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

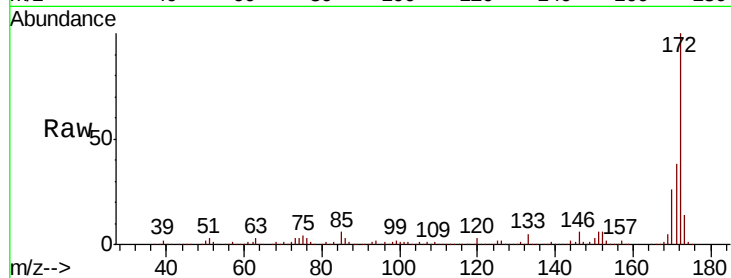




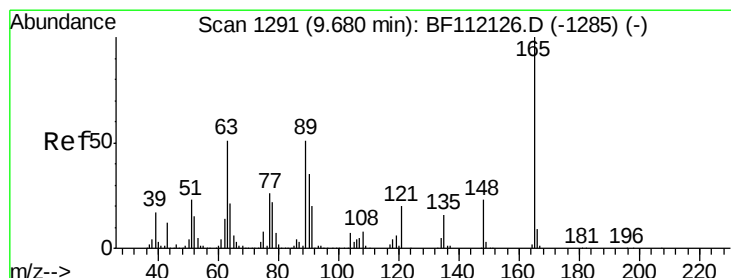
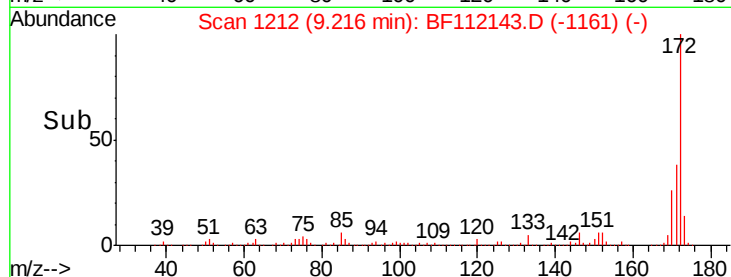
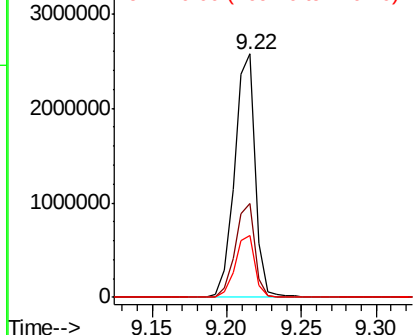
#45
 2-Fluorobiphenyl
 Concen: 75.667 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF112143.D
 Acq: 18 Jan 2019 23:46

Instrument :
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Tgt Ion:172 Resp: 2523764
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.5 45.7
 170 25.5 20.2 30.4

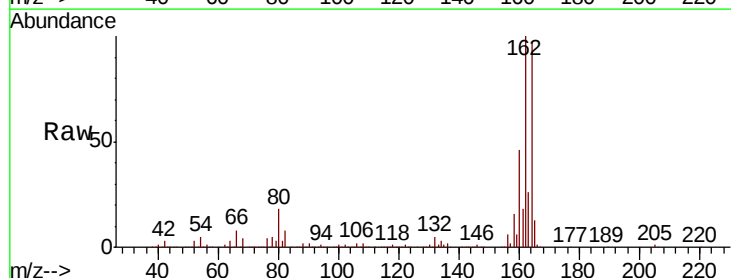


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

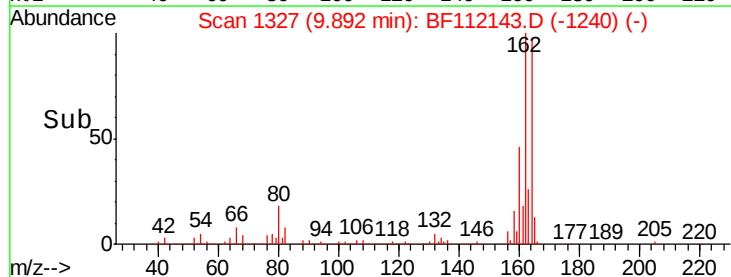
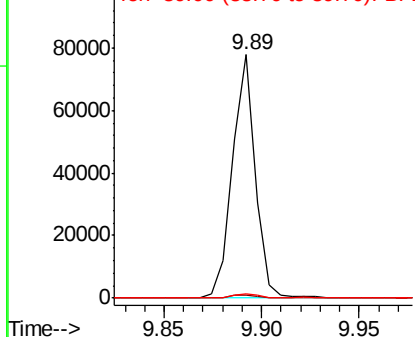


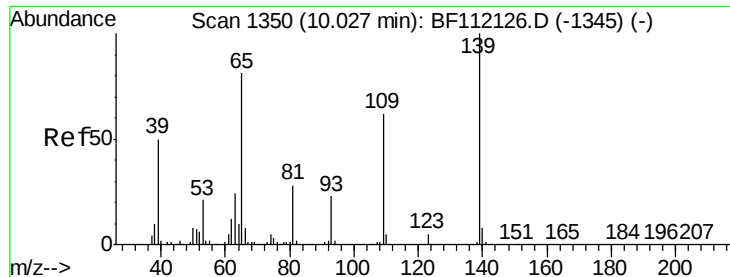
#51
 2,6-Dinitrotoluene
 Concen: 8.884 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112143.D
 Acq: 18 Jan 2019 23:46

Tgt Ion:165 Resp: 63267
 Ion Ratio Lower Upper
 165 100
 63 1.4 33.8 50.8#
 89 2.0 36.9 55.3#



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

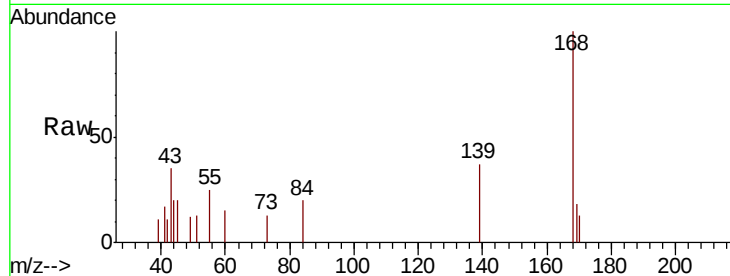




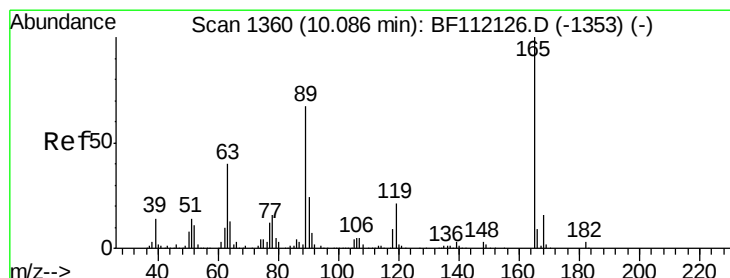
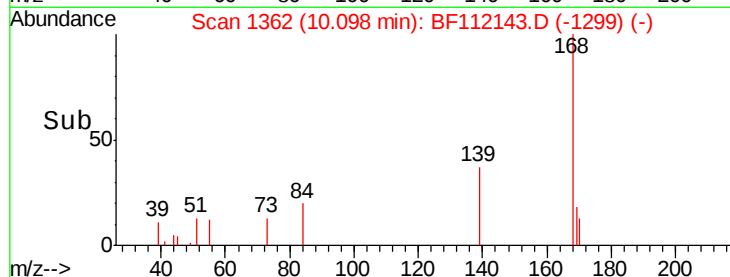
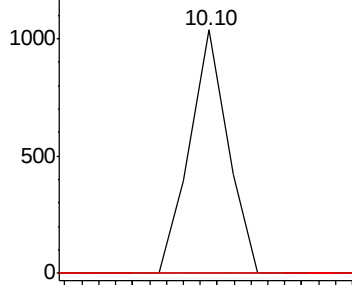
#56
4-Nitrophenol
Concen: 5.762 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.07 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Instrument :
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ClientSampleId :
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Tgt Ion:139 Resp: 653
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 0.0 66.1 106.1#

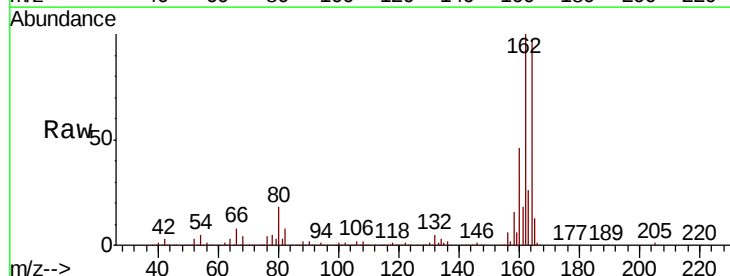


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

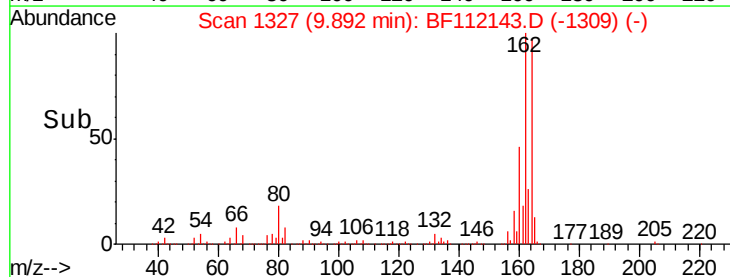
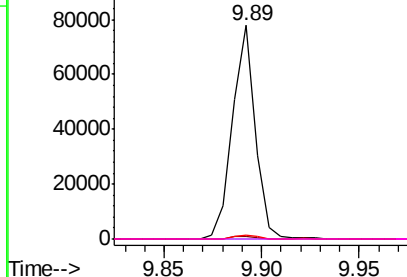


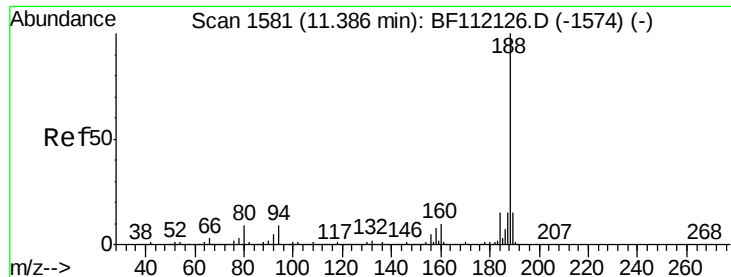
#57
2,4-Dinitrotoluene
Concen: 10.841 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Tgt Ion:165 Resp: 63267
Ion Ratio Lower Upper
165 100
63 1.4 27.9 41.9#
89 2.0 47.9 71.9#
182 0.0 2.2 3.4#



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

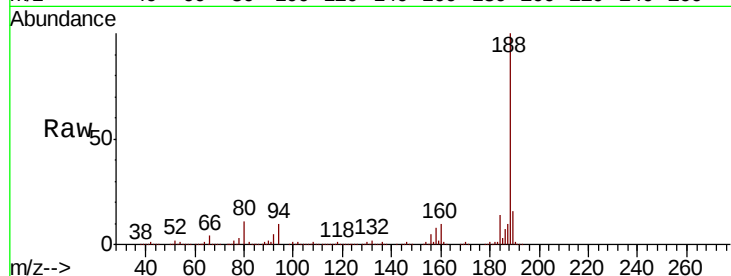




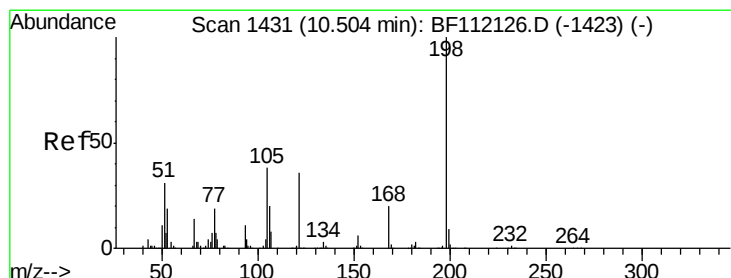
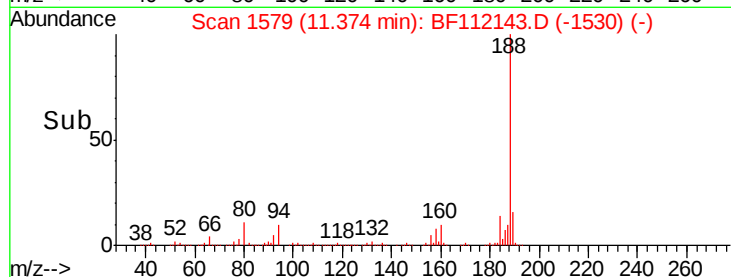
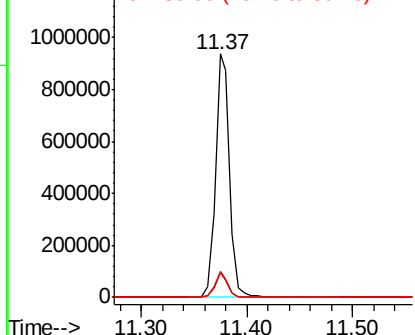
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tgt Ion:188 Resp: 888661
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 10.8 8.9 13.3

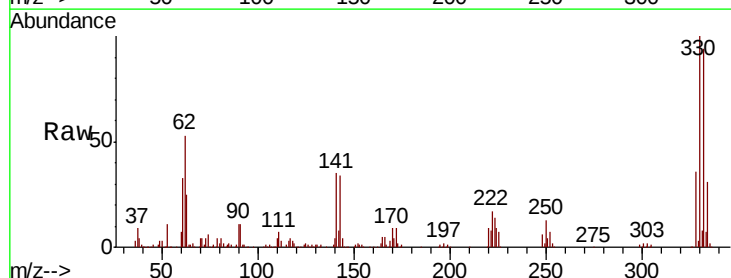


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

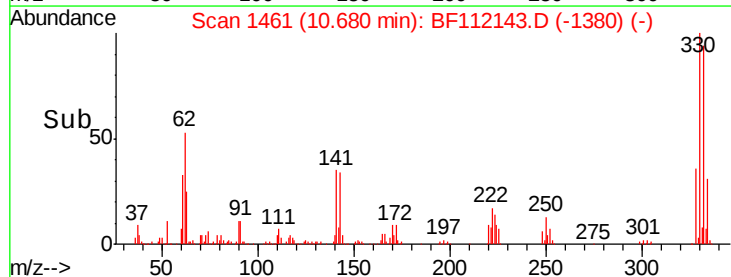
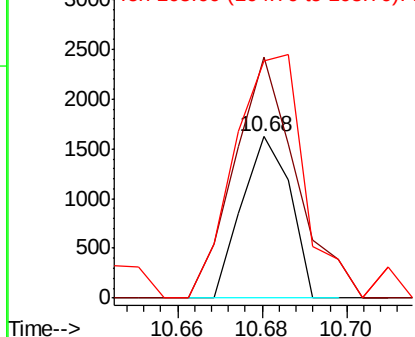


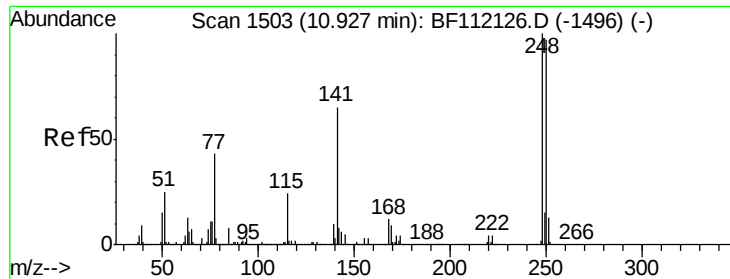
#65
4,6-Dinitro-2-methylphenol
Concen: 10.345 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.18 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Tgt Ion:198 Resp: 1292
Ion Ratio Lower Upper
198 100
51 149.1 17.2 57.2#
105 147.1 21.9 61.9#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

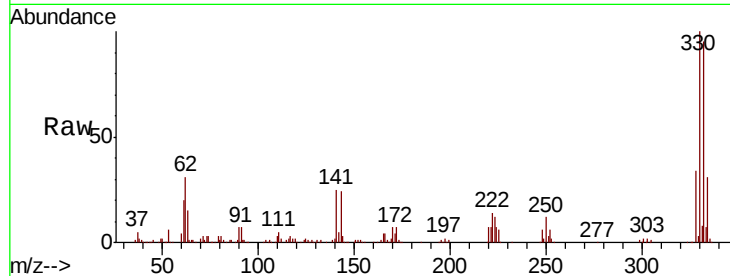




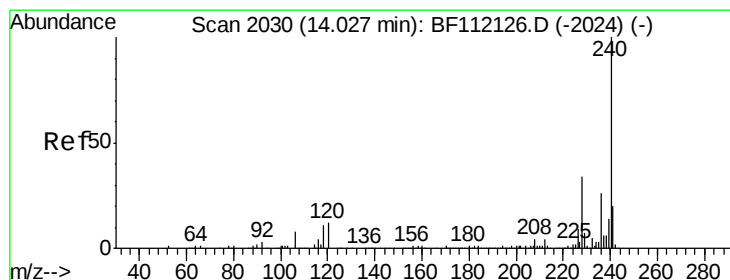
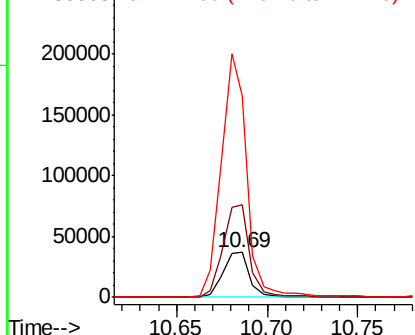
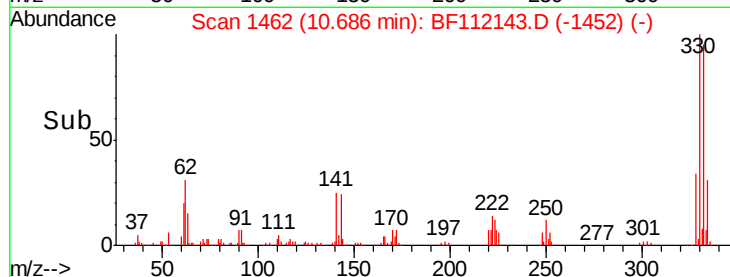
#67
4-Bromophenyl-phenylether
Concen: 3.637 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Instrument :
BNA_F
ClientSampleId :
OILY-STONES

Tgt Ion:248 Resp: 37545
Ion Ratio Lower Upper
248 100
250 208.5 79.7 119.5#
141 450.0 60.3 90.5#

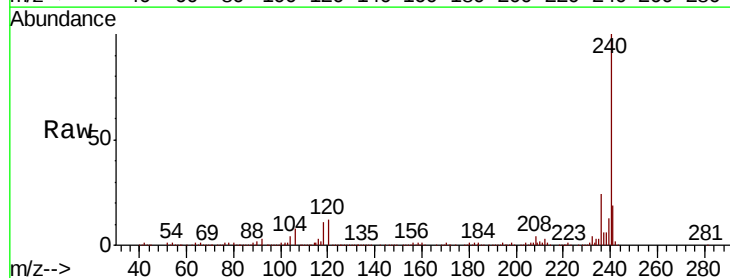


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

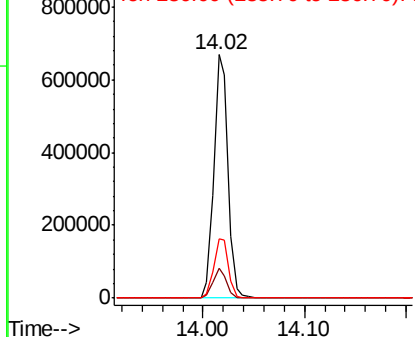
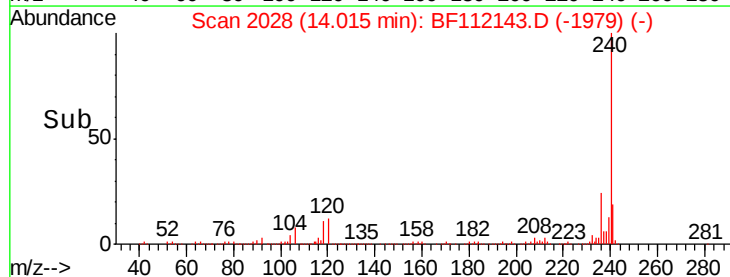


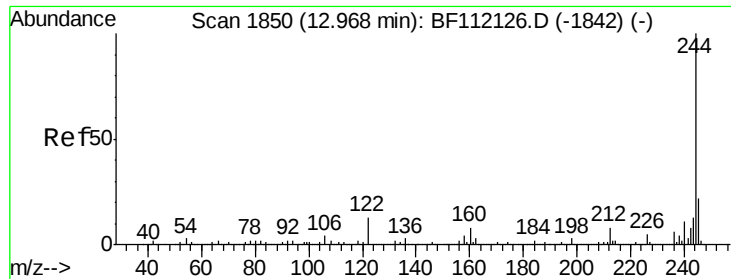
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112143.D
Acq: 18 Jan 2019 23:46

Tgt Ion:240 Resp: 648570
Ion Ratio Lower Upper
240 100
120 12.5 9.0 13.6
236 24.4 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





#79

Terphenyl-d14

Concen: 82.132 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

Instrument :

BNA_F

ClientSampleId :

OILY-STONES

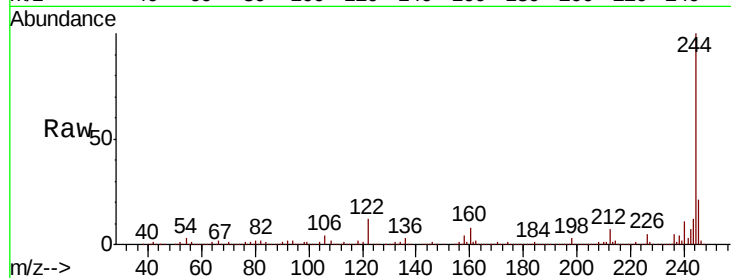
Tgt Ion:244 Resp: 2503936

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

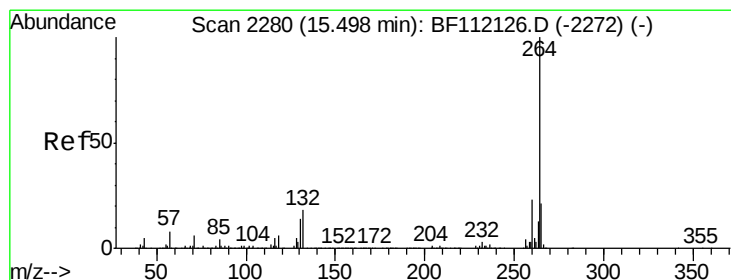
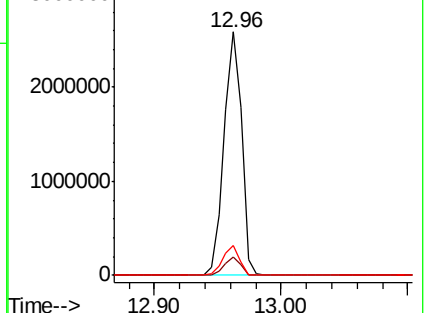
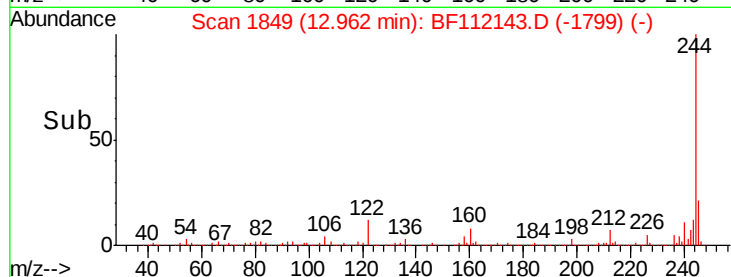
122 12.4 9.8 14.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112143.D

Acq: 18 Jan 2019 23:46

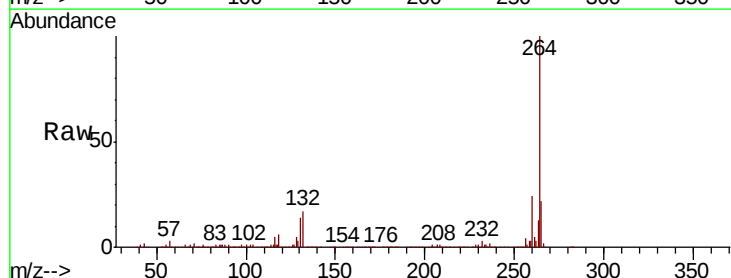
Tgt Ion:264 Resp: 656352

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 21.8 17.0 25.4



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

