

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111742.D
 Acq On : 27 Dec 2018 4:18
 Operator : JU/SJ
 Sample : J6446-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS026-1218-01

Quant Time: Dec 27 04:54:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	125054	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	417385	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	183162	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	346568	20.00	ng	0.01
76) Chrysene-d12	14.07	240	243735	20.00	ng	0.02
87) Perylene-d12	15.55	264	192580	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	983005	133.99	ng	0.03
7) Phenol-d6	6.55	99	1219036	130.56	ng	0.02
23) Nitrobenzene-d5	7.46	82	727674	101.48	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	307387	142.03	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	1242647	98.89	ng	0.00
79) Terphenyl-d14	13.01	244	1241946	96.63	ng	0.01

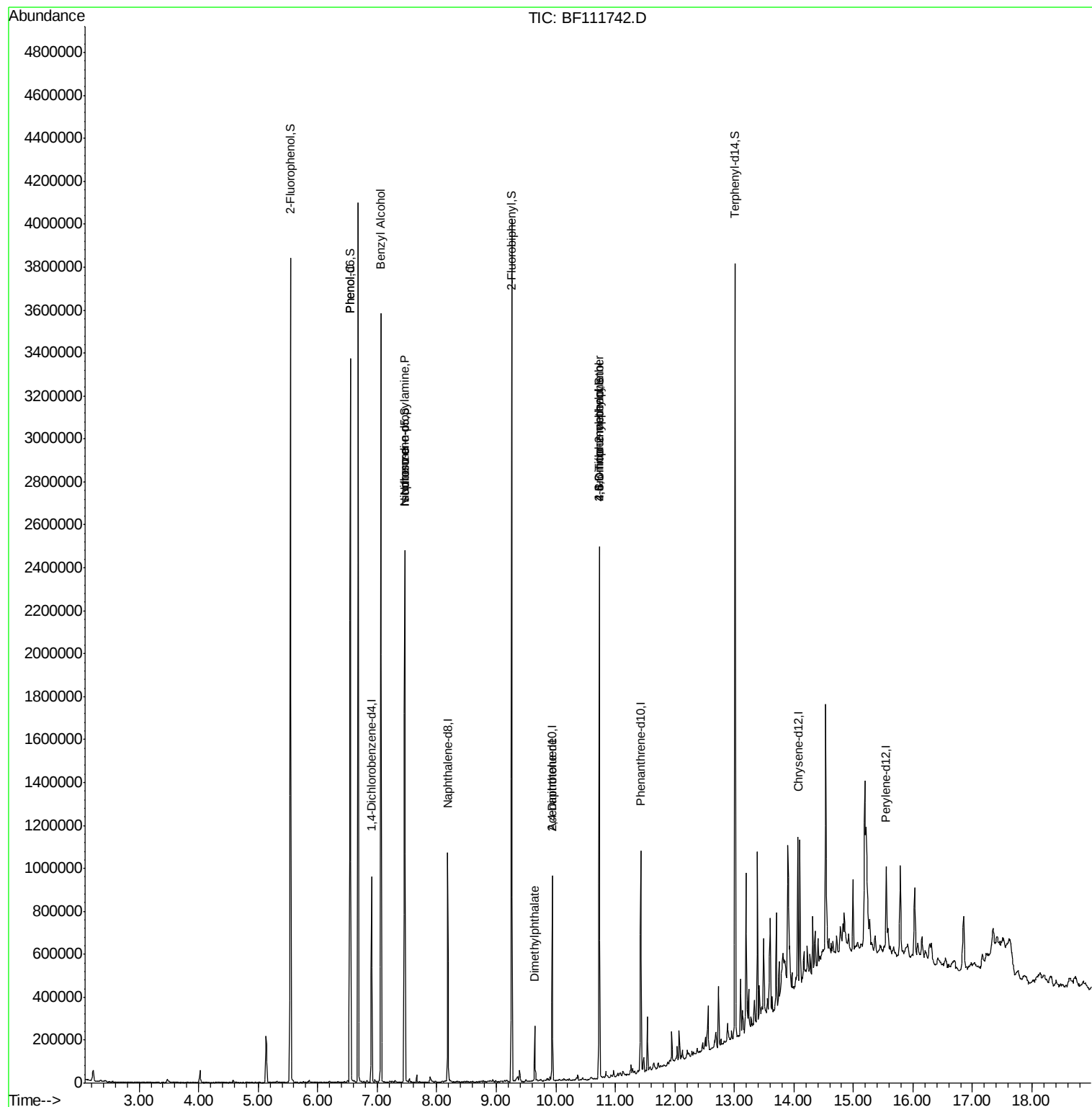
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	104195	9.890	ng	93
15) Benzyl Alcohol	7.06	79	15674	2.114	ng	# 42
19) n-Nitroso-di-n-propylamine	7.46	70	100523	16.211	ng	# 79
25) Isophorone	7.46	82	727787	57.172	ng	# 64
50) Dimethylphthalate	9.65	163	92086	6.875	ng	97
57) 2,4-Dinitrotoluene	9.94	165	24174	7.531	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	583	7.043	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	18588	4.324	ng	# 1

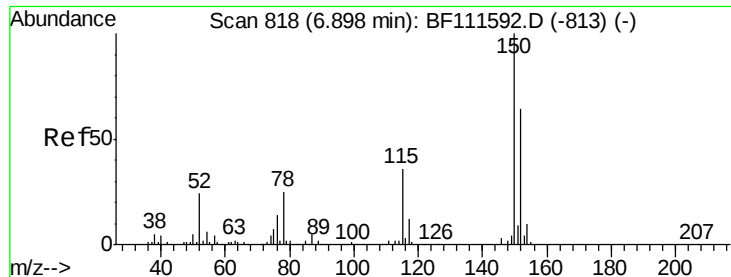
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

Instrument :

BNA_F

ClientSampleId :

P001-SS026-1218-01

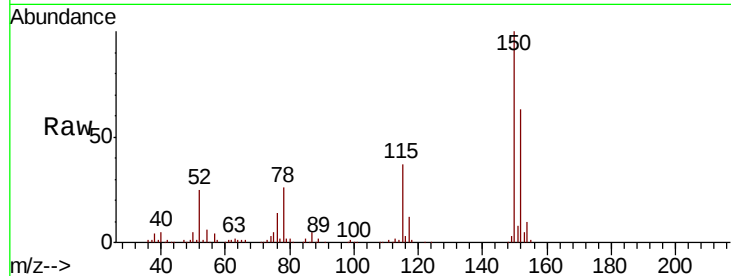
Tot Ion:152 Resp: 125054

Ion Ratio Lower Upper

152 100

150 159.0 126.6 189.8

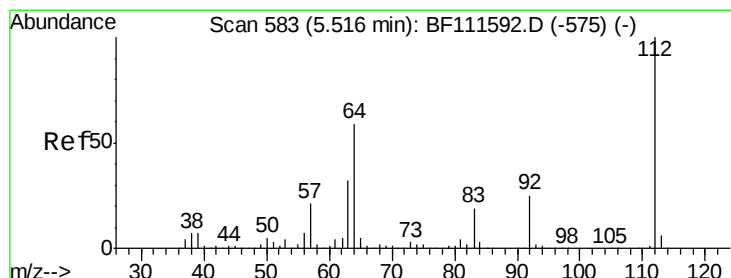
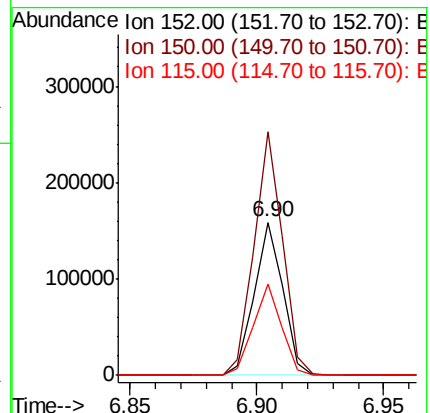
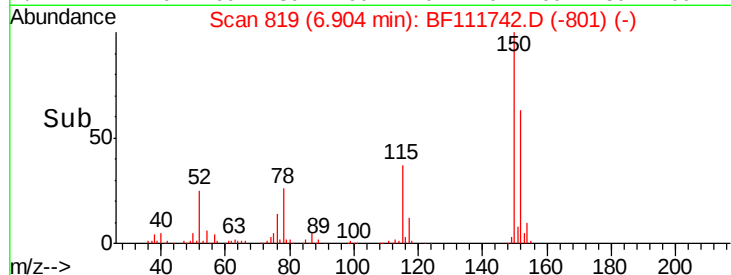
115 59.5 50.7 76.1



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: 133.987 ng

RT: 5.55 min Scan# 588

Delta R.T. 0.03 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

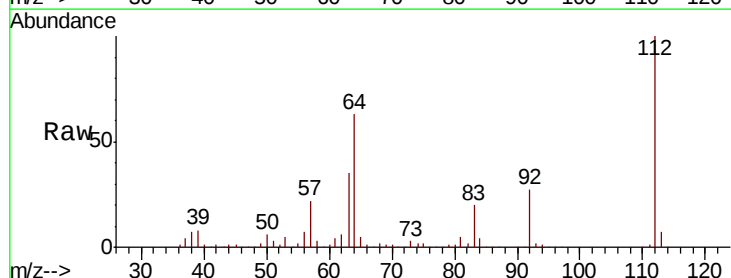
Tgt Ion:112 Resp: 983005

Ion Ratio Lower Upper

112 100

64 63.0 51.8 77.6

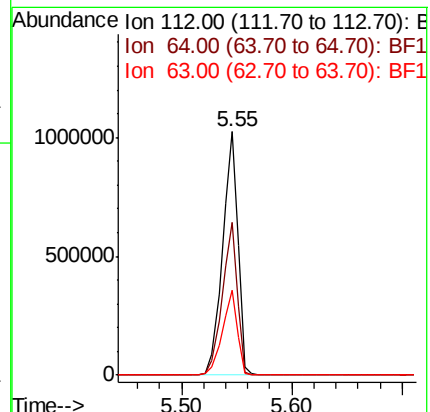
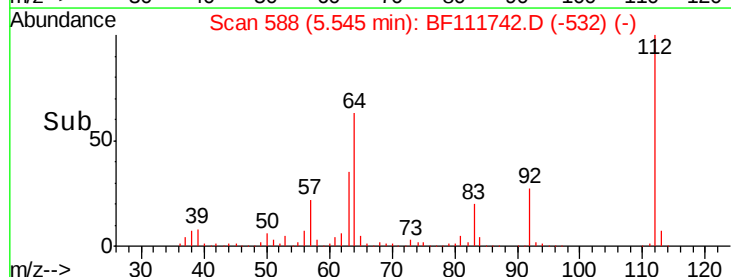
63 34.8 26.8 40.2

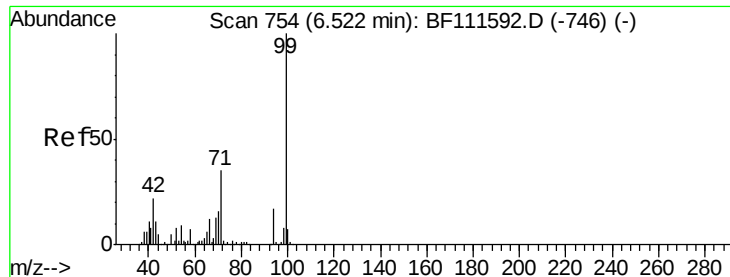


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 130.562 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

Instrument :

BNA_F

ClientSampleId :

P001-SS026-1218-01

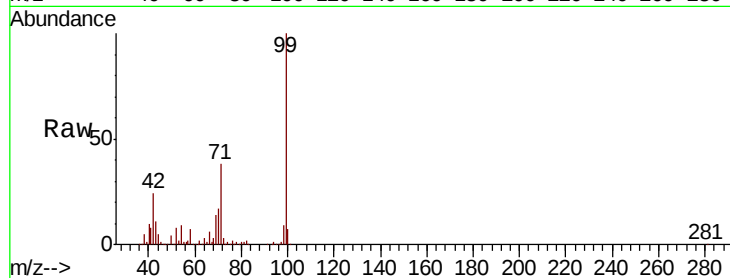
Tot Ion: 99 Resp: 1219036

Ion Ratio Lower Upper

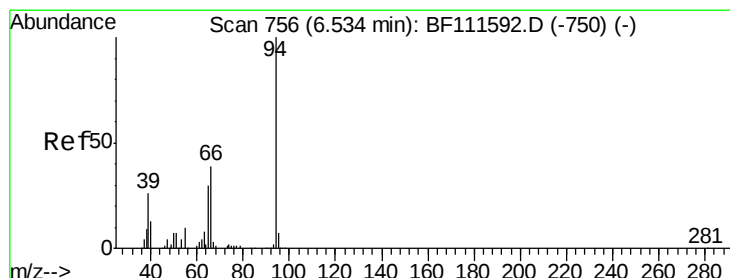
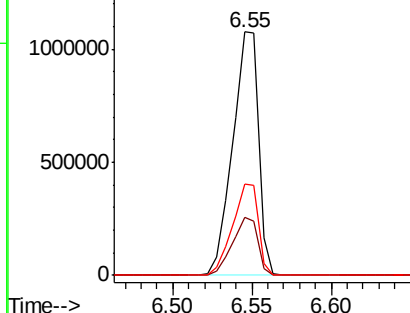
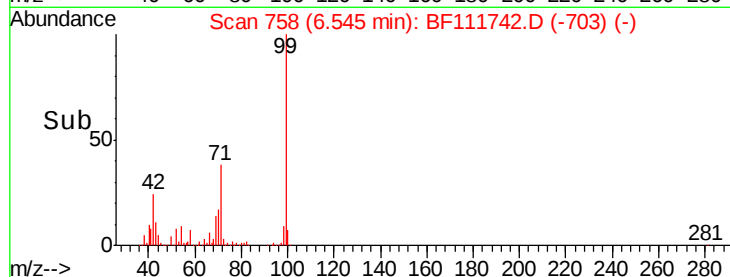
99 100

42 23.6 17.4 26.0

71 37.7 26.1 39.1



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: 9.890 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

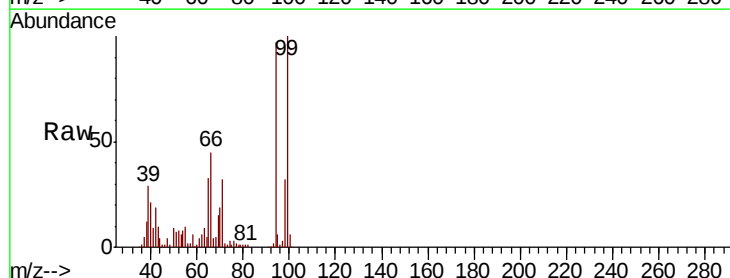
Tgt Ion: 94 Resp: 104195

Ion Ratio Lower Upper

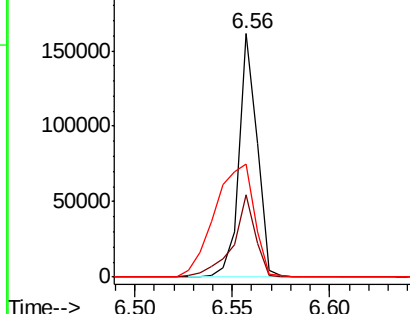
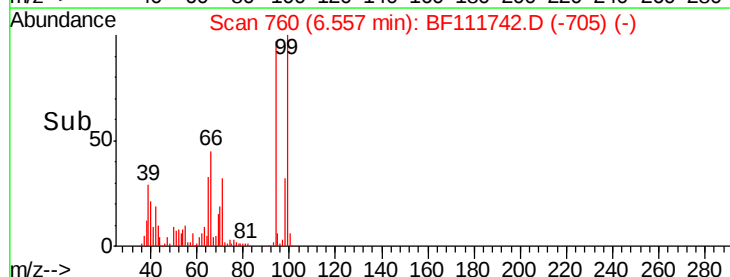
94 100

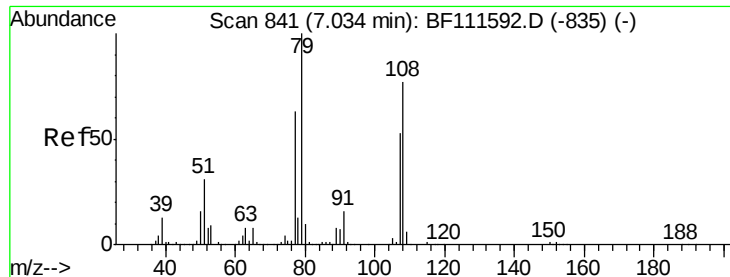
65 33.6 11.7 51.7

66 46.6 21.0 61.0



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

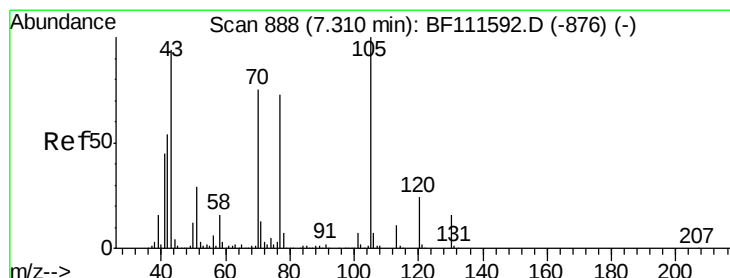
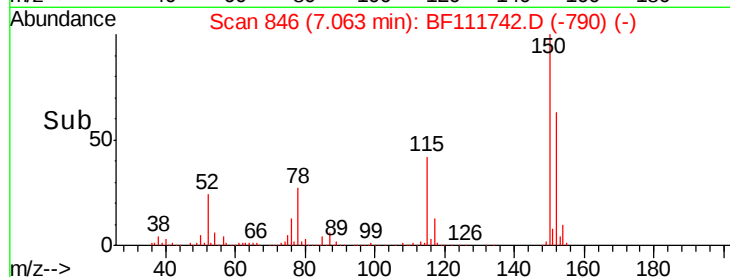
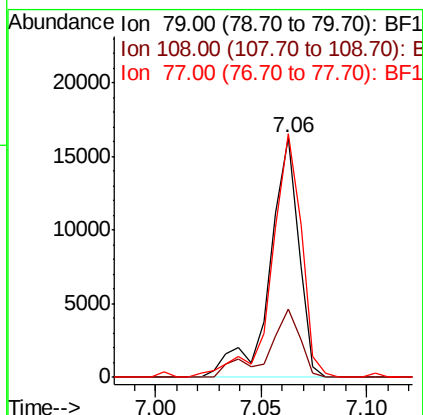
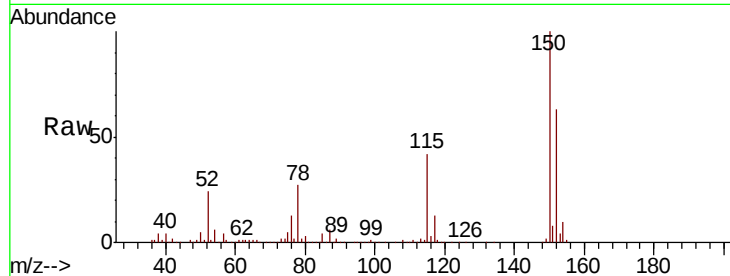




#15
Benzyl Alcohol
Concen: 2.114 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.03 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

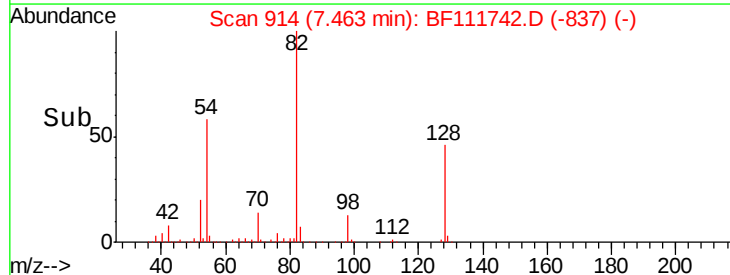
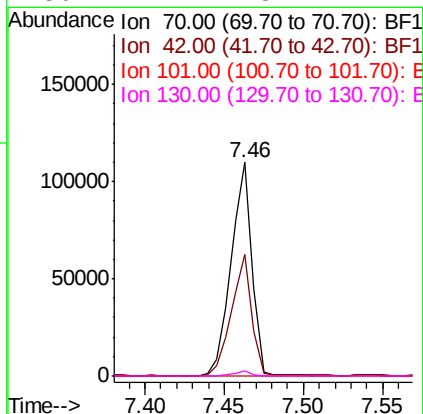
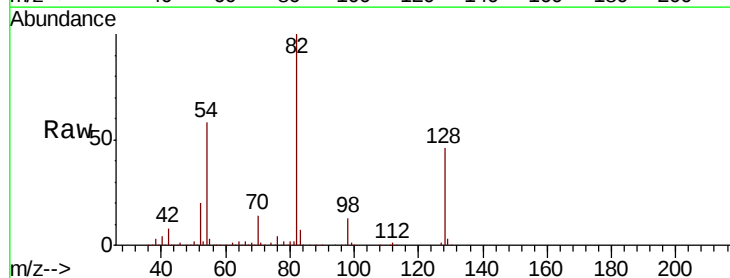
Instrument :
BNA_F
ClientSampleId :
P001-SS026-1218-01

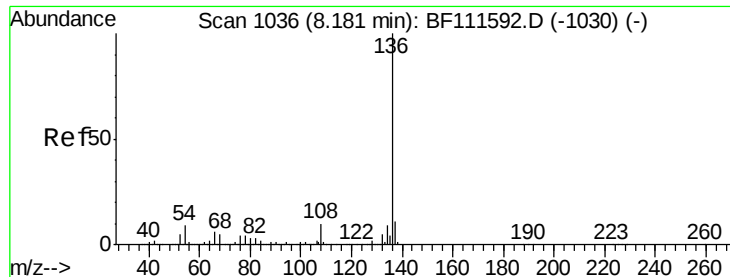
Tot Ion: 79 Resp: 15674
Ion Ratio Lower Upper
79 100
108 28.6 69.4 104.2#
77 101.8 49.7 74.5#



#19
n-Nitroso-di-n-propylamine
Concen: 16.211 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

Tgt Ion: 70 Resp: 100523
Ion Ratio Lower Upper
70 100
42 56.8 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

Instrument :

BNA_F

ClientSampleId :

P001-SS026-1218-01

Tot Ion:136 Resp: 417385

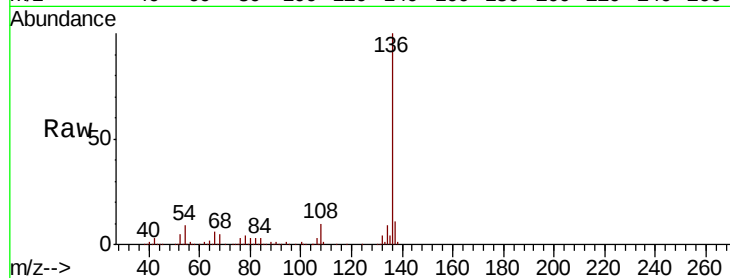
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.5 7.7 11.5

68 5.2 4.9 7.3

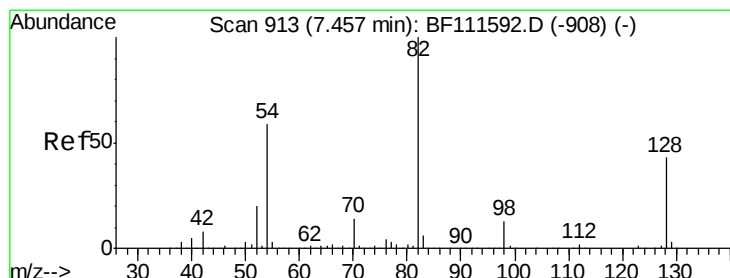
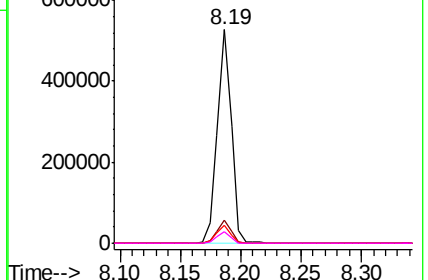
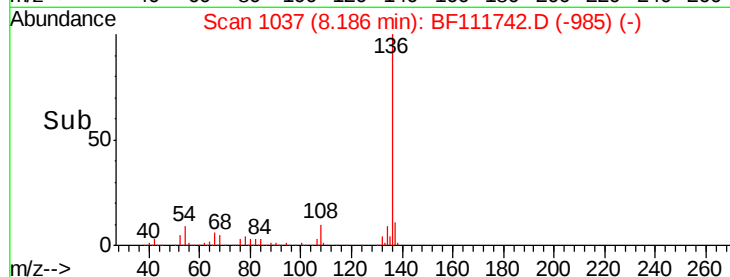


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.480 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

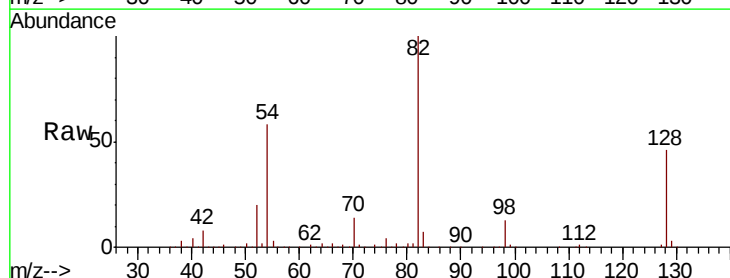
Tgt Ion: 82 Resp: 727674

Ion Ratio Lower Upper

82 100

128 45.6 37.4 56.2

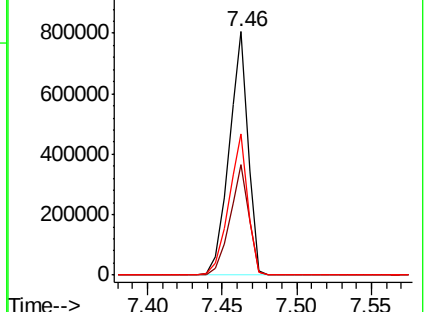
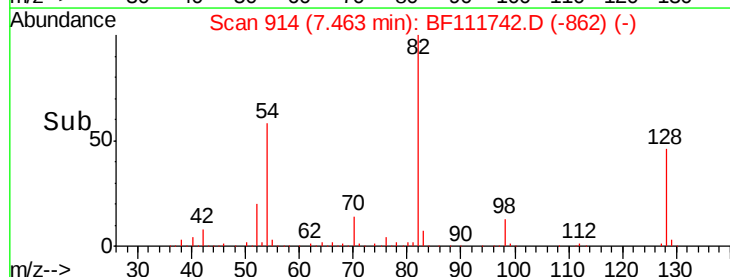
54 57.8 47.6 71.4

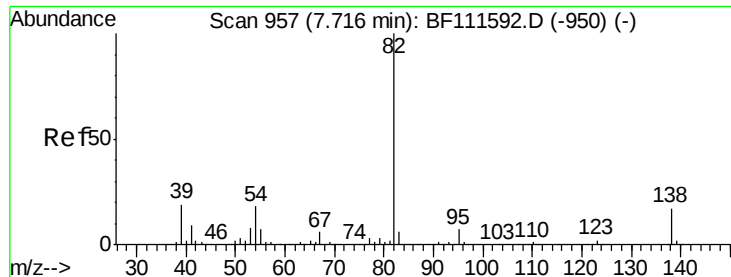


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

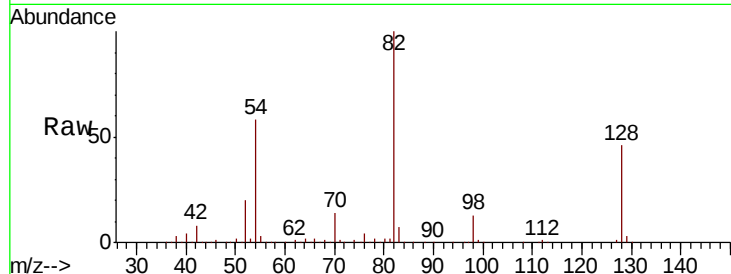




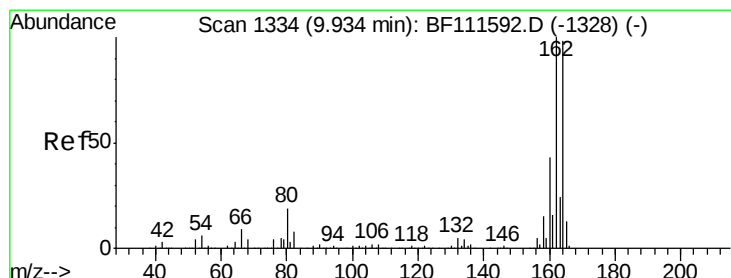
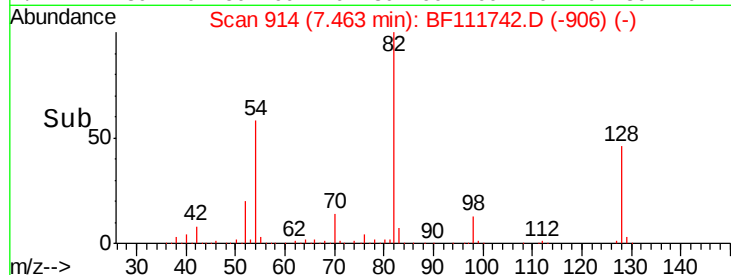
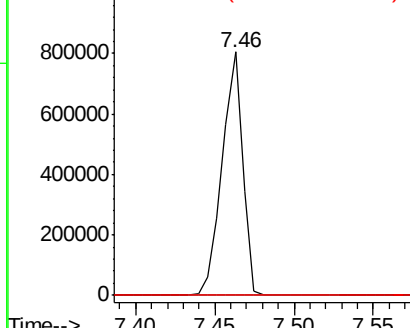
#25
Isophorone
Concen: 57.172 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.25 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

Instrument :
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P001-SS026-1218-01

Tot Ion: 82 Resp: 727787
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

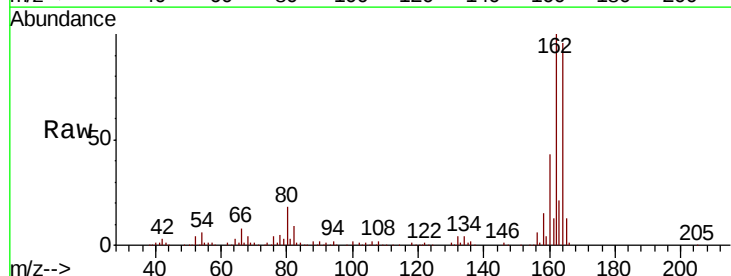


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

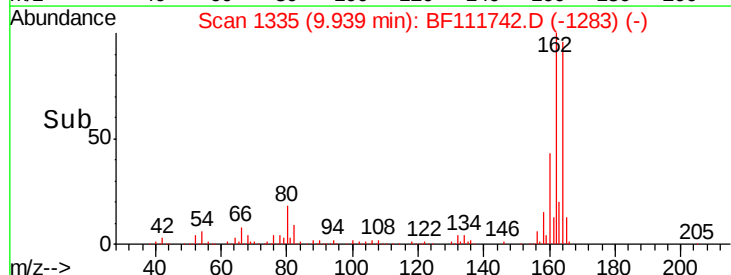
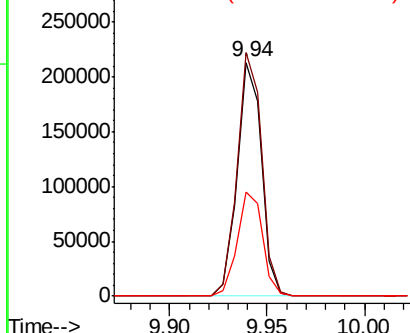


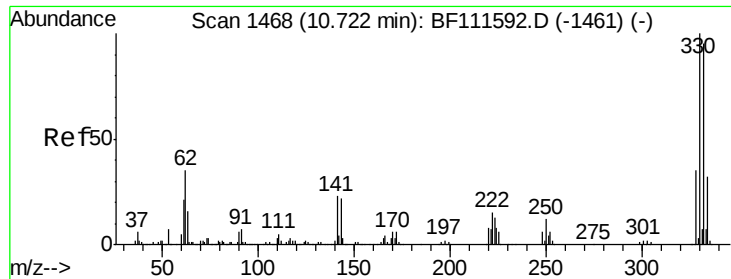
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

Tgt Ion:164 Resp: 183162
Ion Ratio Lower Upper
164 100
162 104.2 81.4 122.0
160 44.7 35.7 53.5



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





#42

2,4,6-Tribromophenol

Concen: 142.033 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

Instrument :

BNA_F

ClientSampleId :

P001-SS026-1218-01

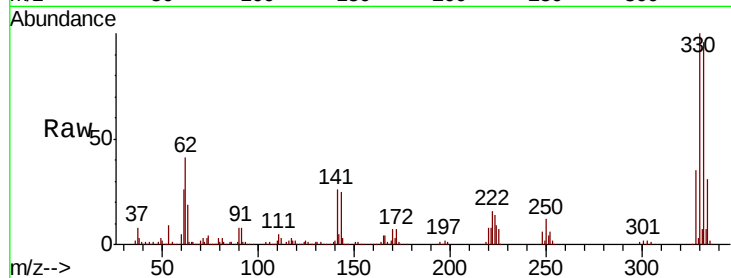
Tot Ion:330 Resp: 307387

Ion Ratio Lower Upper

330 100

332 96.4 76.0 114.0

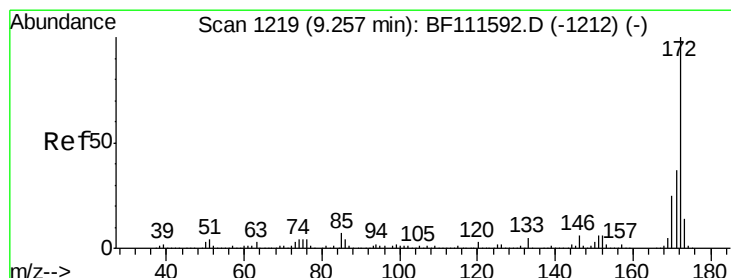
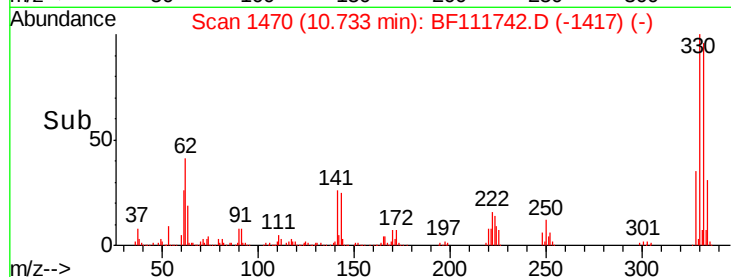
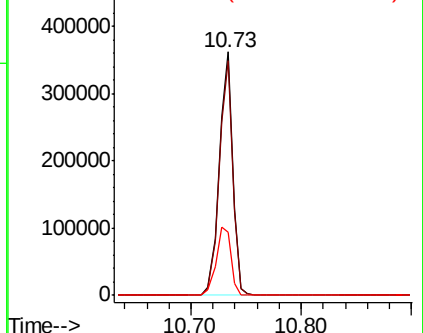
141 31.0 31.0 46.6#



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: 98.888 ng

RT: 9.26 min Scan# 1220

Delta R.T. 0.01 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

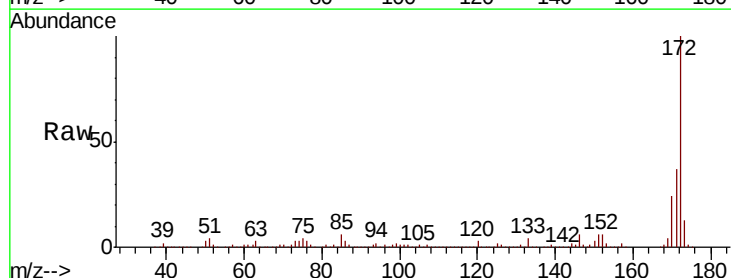
Tgt Ion:172 Resp: 1242647

Ion Ratio Lower Upper

172 100

171 37.0 33.0 49.4

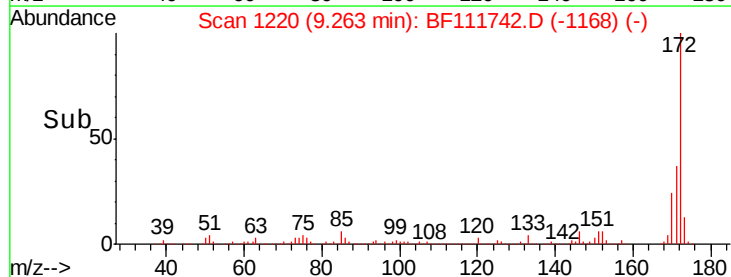
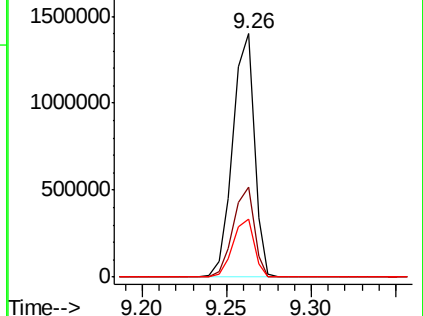
170 24.0 22.3 33.5

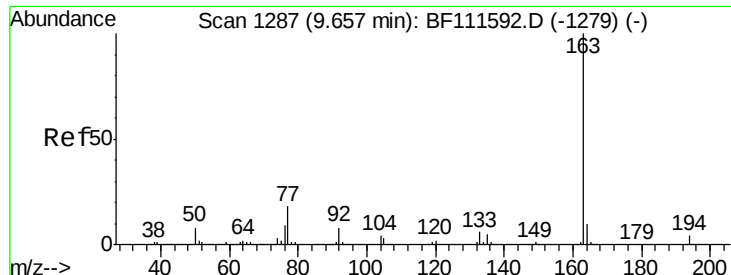


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

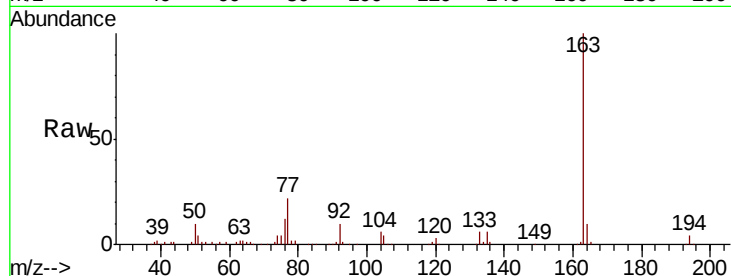




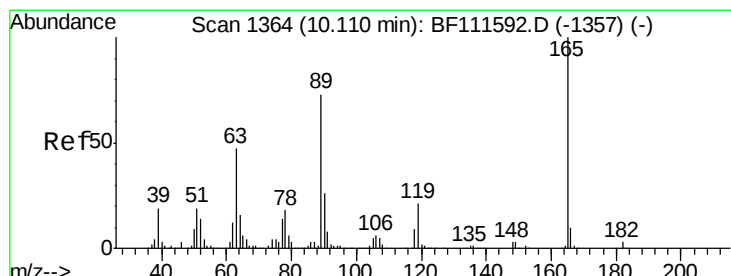
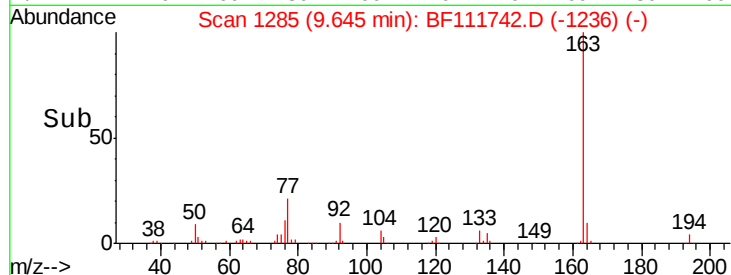
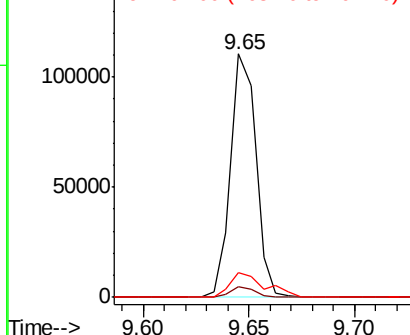
#50
Dimethylphthalate
Concen: 6.875 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

Instrument :
BNA_F
ClientSampleId :
P001-SS026-1218-01

Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.4	3.0	4.6	
164	10.0	8.9	13.3	

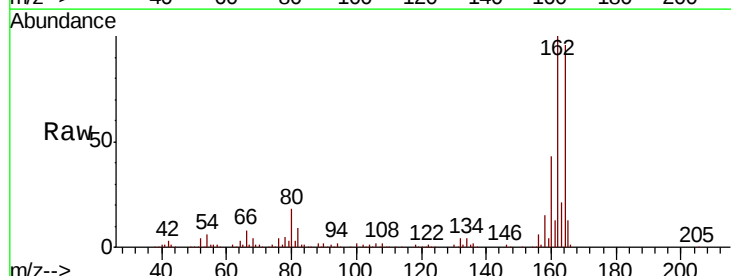


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

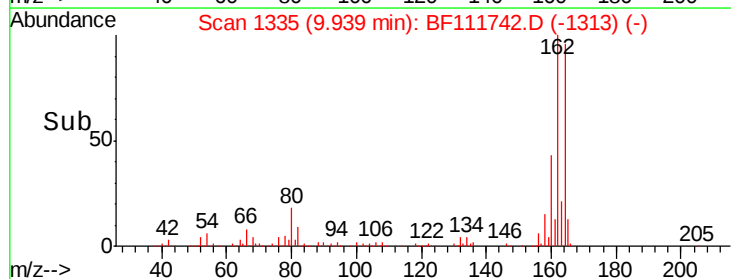
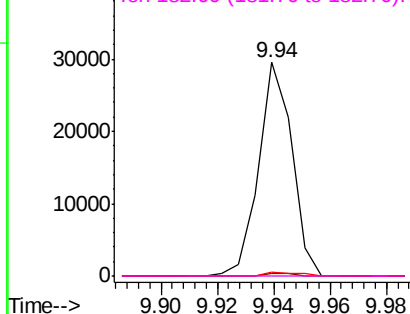


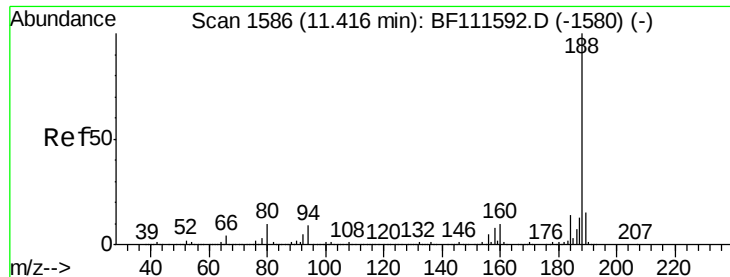
#57
2,4-Dinitrotoluene
Concen: 7.531 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.17 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	1.4	34.6	52.0#	
89	1.8	56.2	84.4#	
182	0.0	1.8	2.6#	



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: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

Instrument :

BNA_F

ClientSampleId :

P001-SS026-1218-01

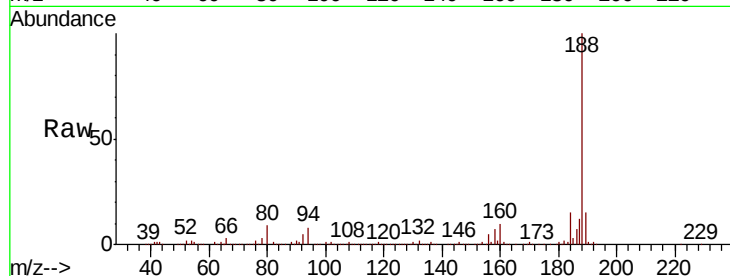
Tot Ion:188 Resp: 346568

Ion Ratio Lower Upper

188 100

94 8.0 9.6 14.4#

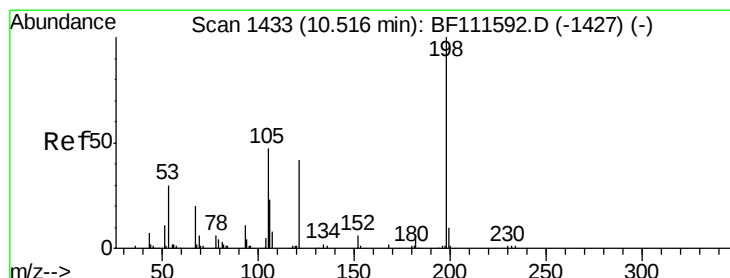
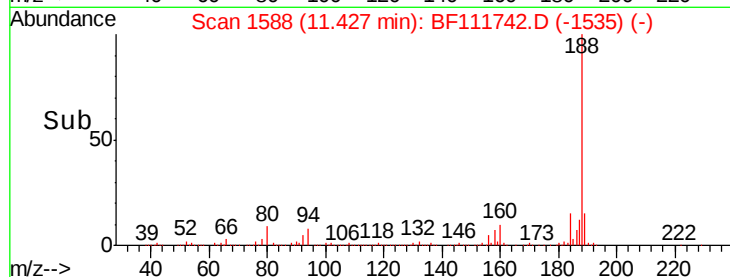
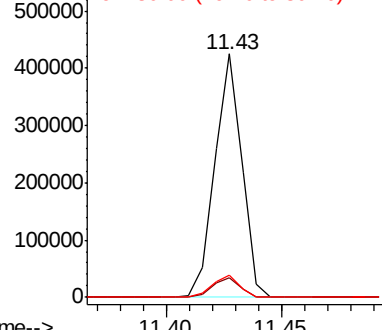
80 9.3 9.8 14.6#



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: 7.043 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.22 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

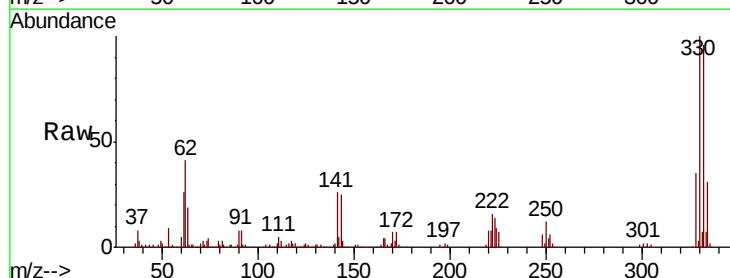
Tgt Ion:198 Resp: 583

Ion Ratio Lower Upper

198 100

51 194.9 48.0 88.0#

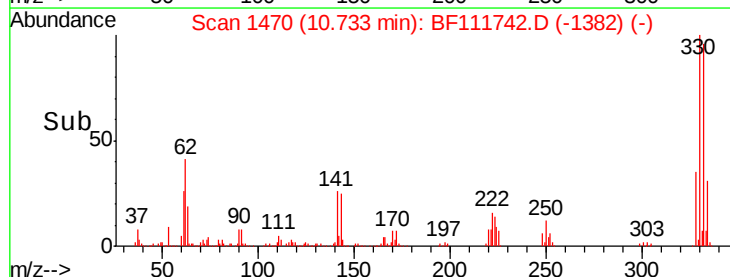
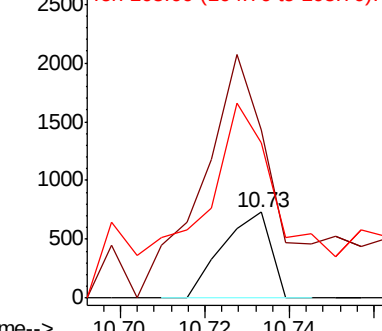
105 180.7 34.0 74.0#

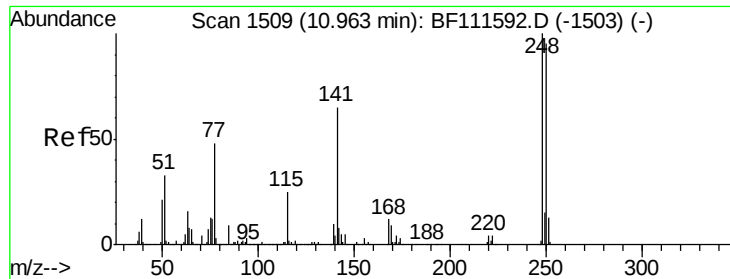


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

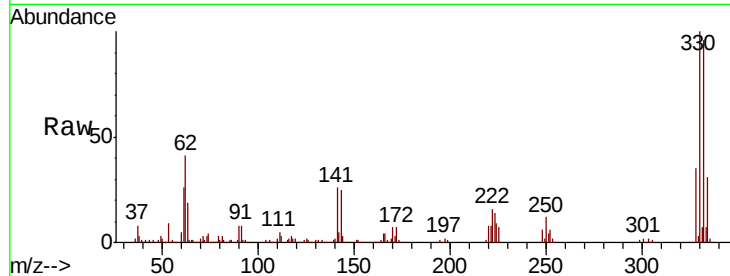




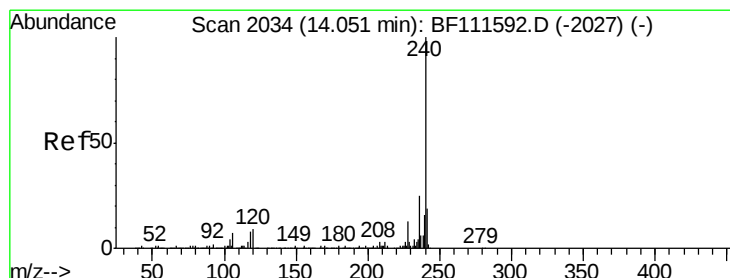
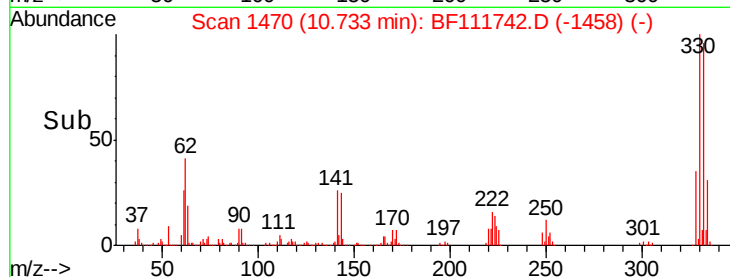
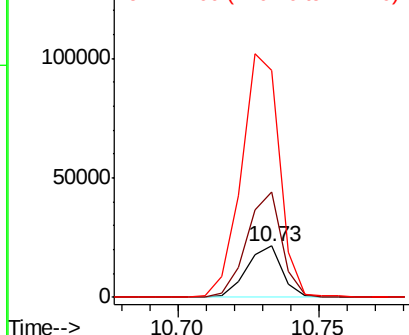
#67
4-Bromophenyl-phenylether
Concen: 4.324 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.23 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

Instrument :
BNA_F
ClientSampleId :
P001-SS026-1218-01

Tot Ion:248 Resp: 18588
Ion Ratio Lower Upper
248 100
250 205.4 77.0 115.4#
141 444.1 63.0 94.6#

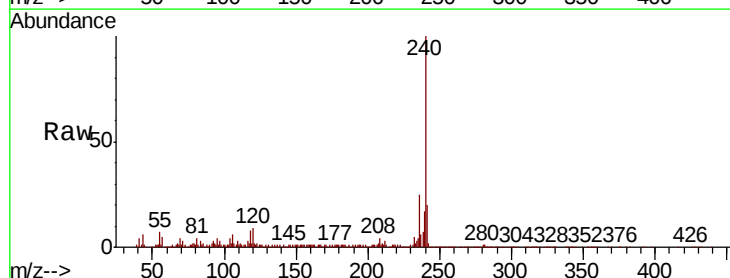


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

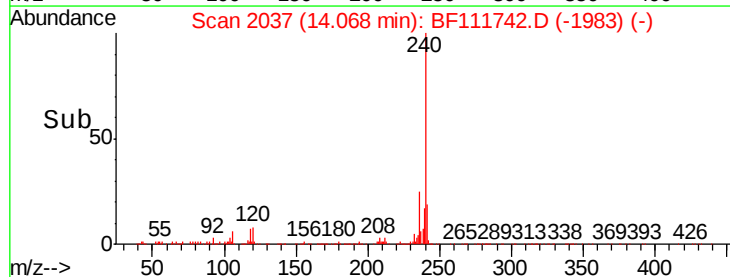
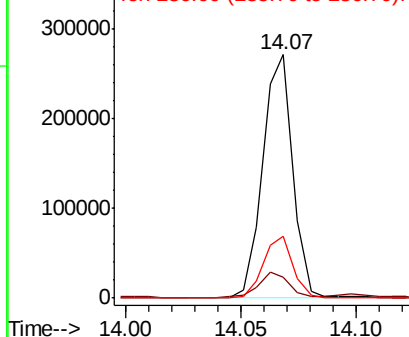


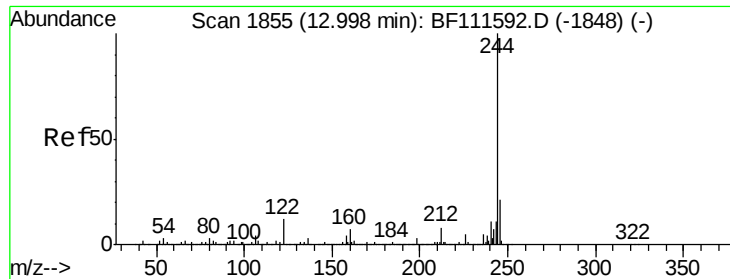
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111742.D
Acq: 27 Dec 2018 4:18

Tgt Ion:240 Resp: 243735
Ion Ratio Lower Upper
240 100
120 8.8 12.2 18.2#
236 25.5 20.2 30.2



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: 96.631 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

Instrument :

BNA_F

ClientSampleId :

P001-SS026-1218-01

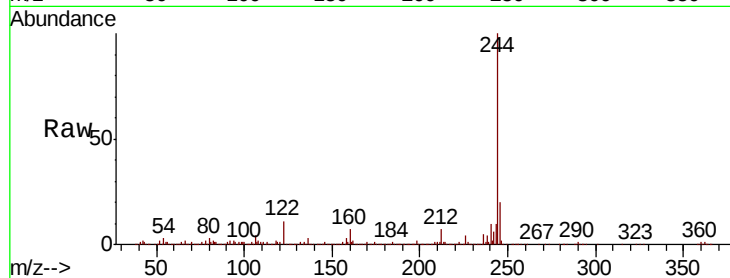
Tot Ion:244 Resp: 1241946

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

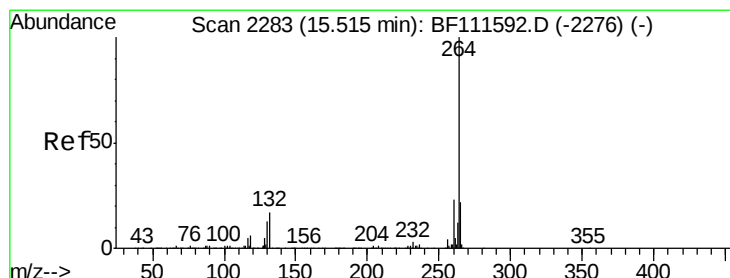
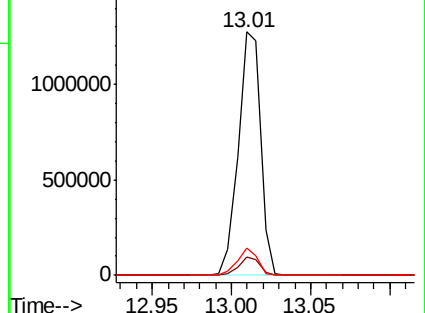
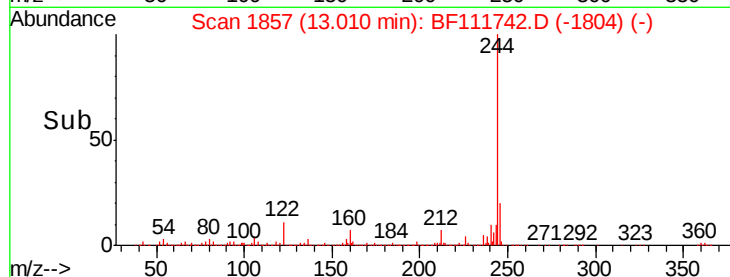
122 11.4 13.1 19.7#



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: 15.55 min Scan# 2289

Delta R.T. 0.04 min

Lab File: BF111742.D

Acq: 27 Dec 2018 4:18

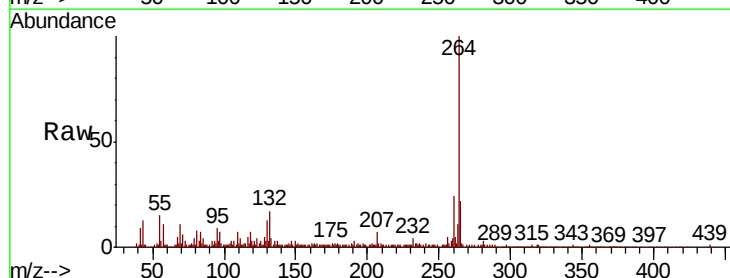
Tgt Ion:264 Resp: 192580

Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

265 21.9 17.7 26.5



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

