

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113886.D
 Acq On : 22 Apr 2019 19:11
 Operator : JU/SJ
 Sample : K2515-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: Apr 23 03:55:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	188264	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	703801	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	372709	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	733489	20.00	ng	0.00
76) Chrysene-d12	14.06	240	536617	20.00	ng	-0.01
87) Perylene-d12	15.56	264	546020	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1289553	117.15	ng	0.00
7) Phenol-d6	6.52	99	1682542	121.84	ng	0.00
23) Nitrobenzene-d5	7.45	82	1029918	90.35	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	564535	124.34	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1992099	83.60	ng	0.00
79) Terphenyl-d14	13.00	244	2337647	89.31	ng	0.00

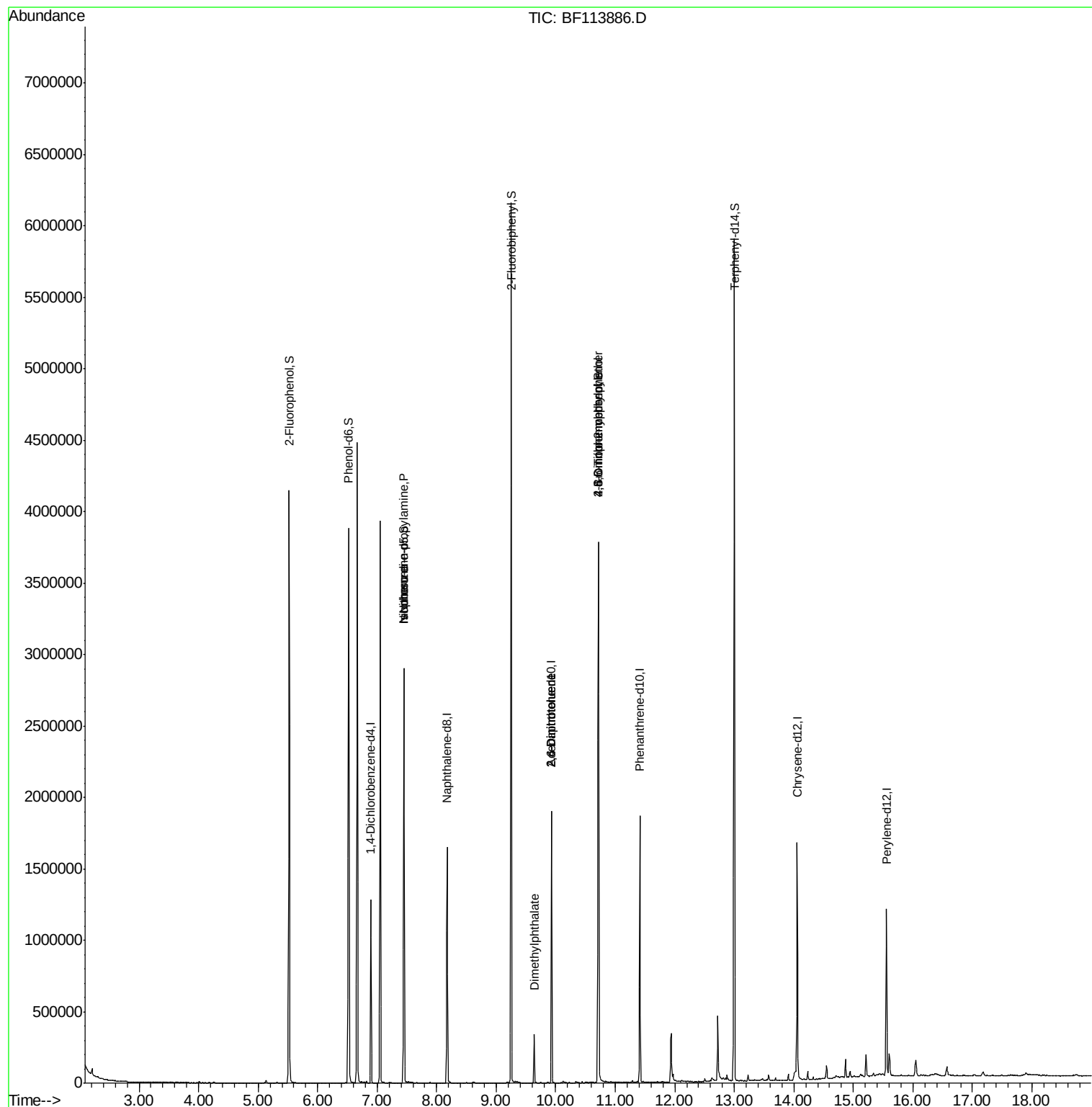
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	30943	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.45	70	139152	15.560	ng	# 79
25) Isophorone	7.45	82	1026915	44.029	ng	# 65
50) Dimethylphthalate	9.64	163	138335	5.132	ng	99
51) 2,6-Dinitrotoluene	9.93	165	48635	8.410	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	48635	6.663	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	903	7.536	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	35096	3.961	ng	# 1

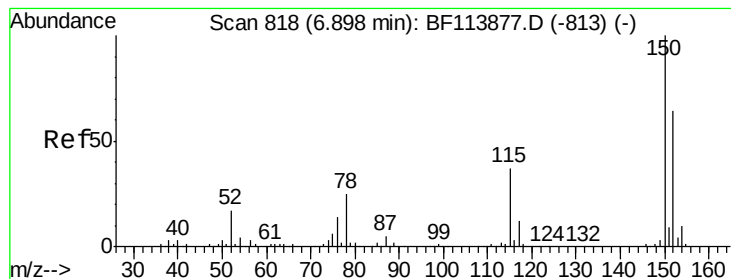
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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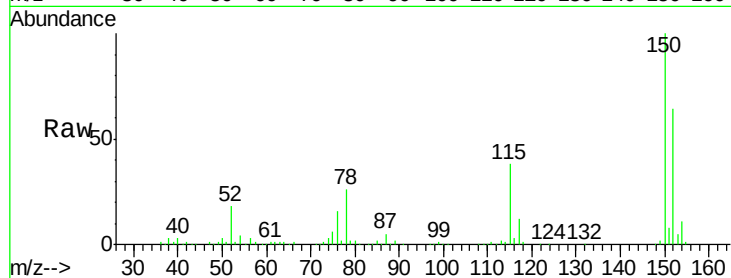


#1

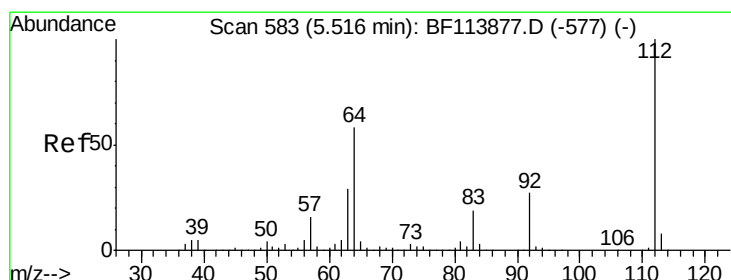
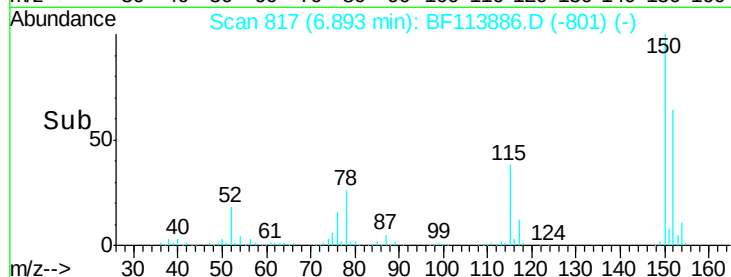
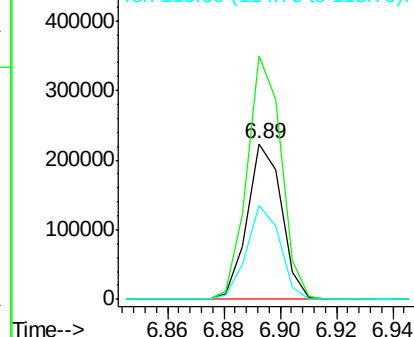
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113886.D
Acq: 22 Apr 2019 19:11

Instrument :
BNA_F
ClientSampleId :
TP-12

Tot Ion:152 Resp: 188264
Ion Ratio Lower Upper
152 100
150 156.4 125.9 188.9
115 60.2 45.9 68.9



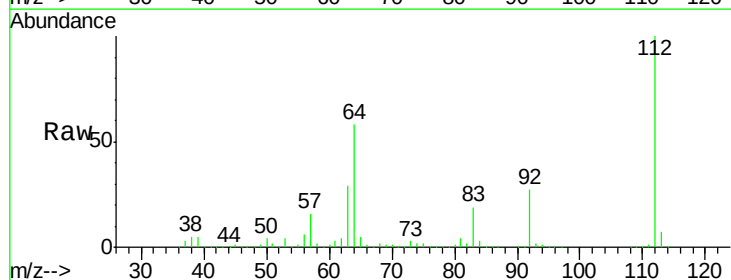
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



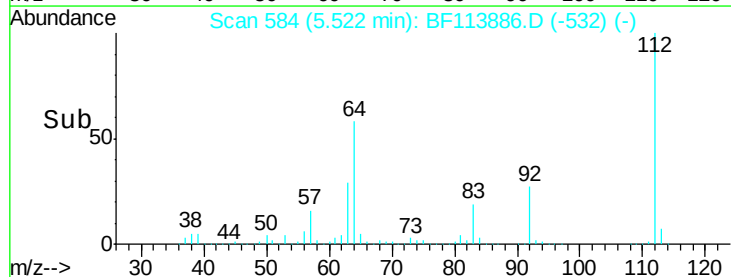
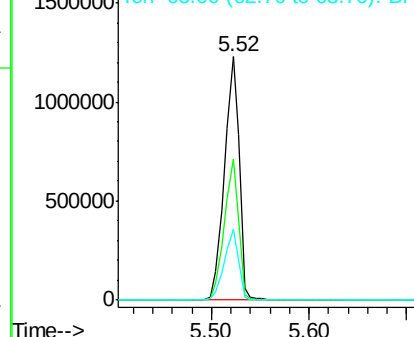
#5

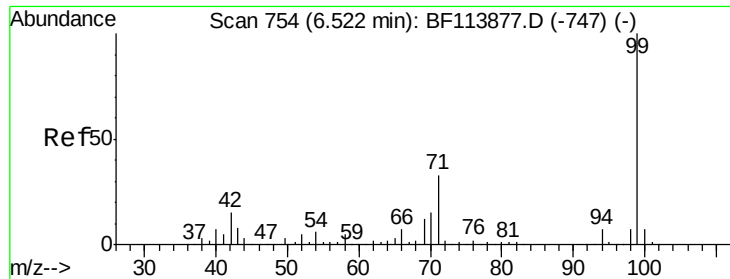
2-Fluorophenol
Concen: 117.154 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113886.D
Acq: 22 Apr 2019 19:11

Tgt Ion:112 Resp: 1289553
Ion Ratio Lower Upper
112 100
64 57.9 46.6 69.8
63 28.9 23.1 34.7



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: 121.835 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-12

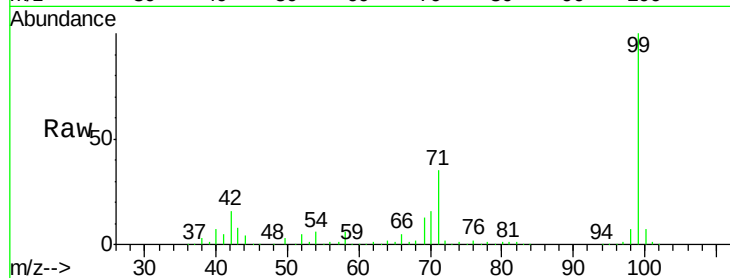
Tot Ion: 99 Resp: 1682542

Ion Ratio Lower Upper

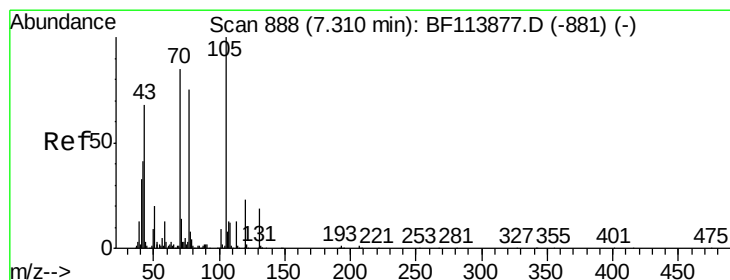
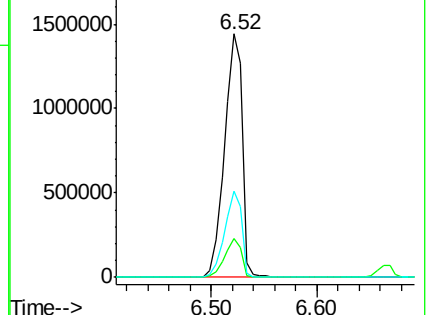
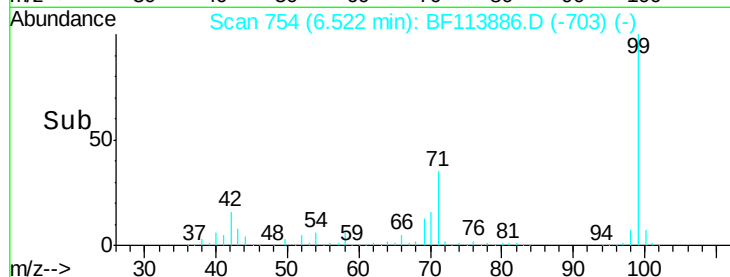
99 100

42 15.8 12.5 18.7

71 35.1 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: 15.560 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

Tgt Ion: 70 Resp: 139152

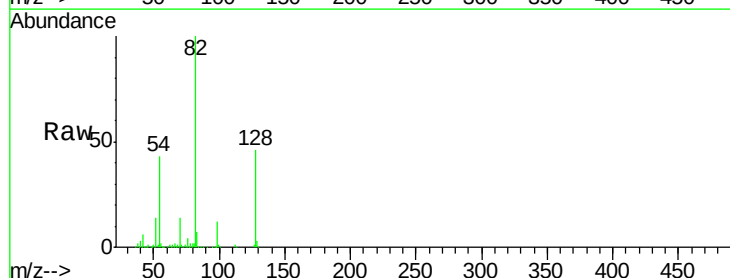
Ion Ratio Lower Upper

70 100

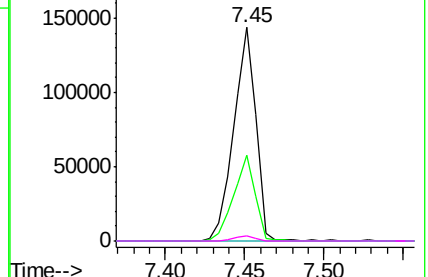
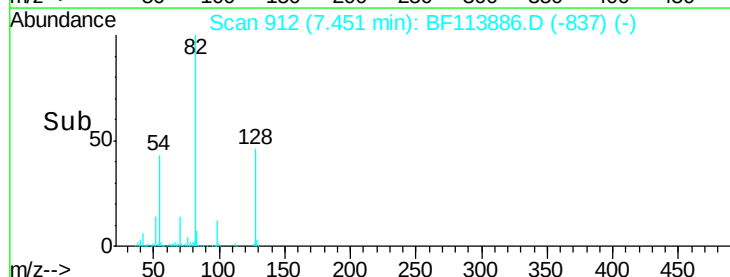
42 40.1 37.3 55.9

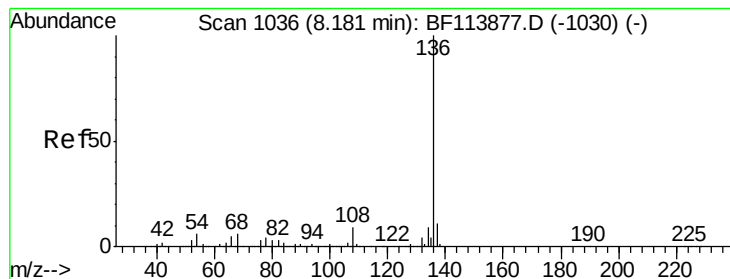
101 0.0 7.8 11.8#

130 2.1 18.2 27.2#



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-12

Tot Ion:136 Resp: 703801

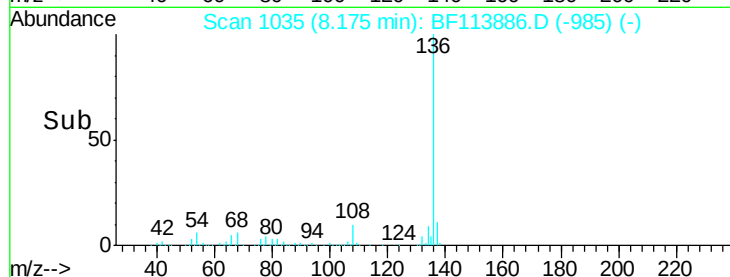
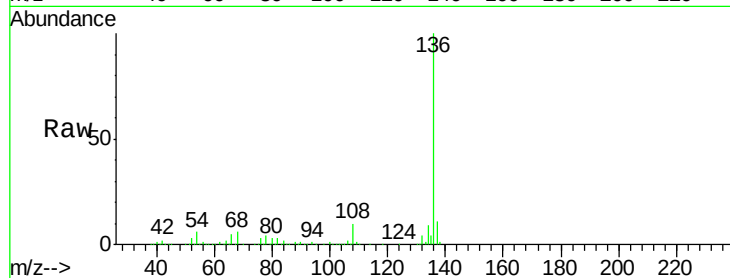
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.3 5.0 7.6

68 6.2 4.9 7.3

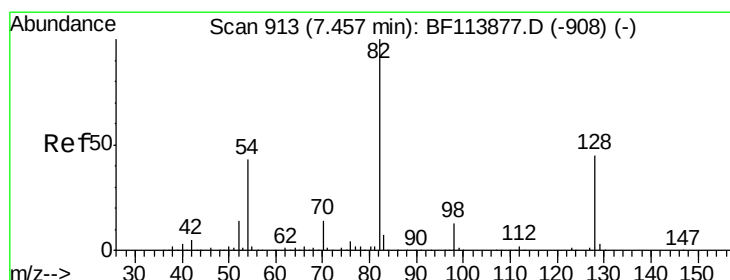
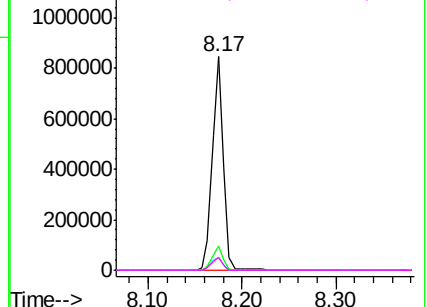


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.354 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

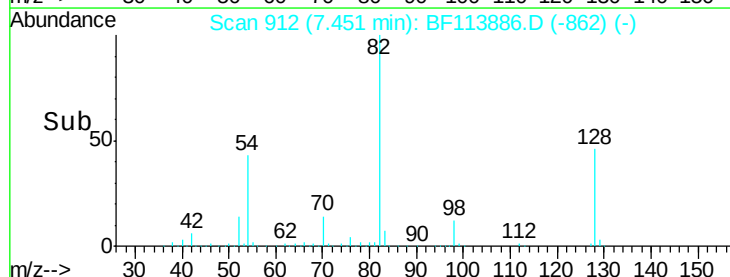
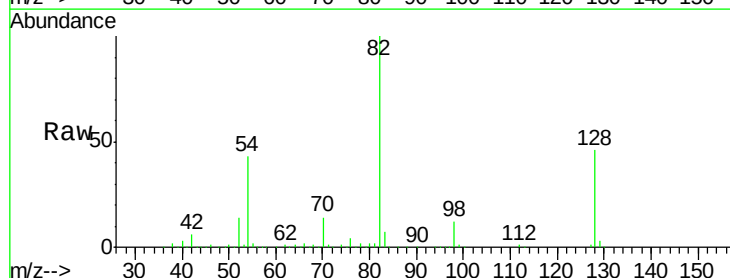
Tgt Ion: 82 Resp: 1029918

Ion Ratio Lower Upper

82 100

128 46.2 36.8 55.2

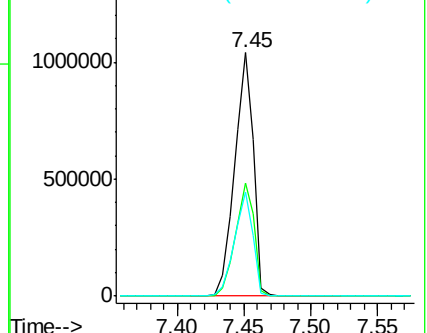
54 42.8 33.8 50.6

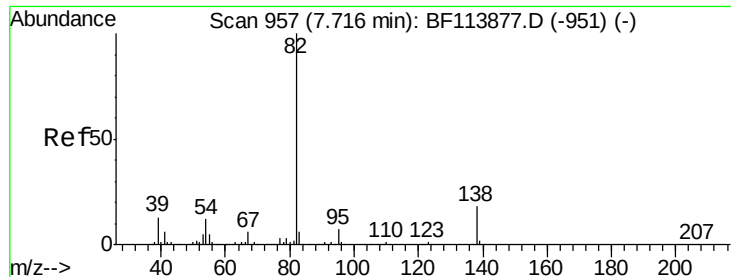


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.029 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

Instrument :

BNA_F

ClientSampled :

TP-12

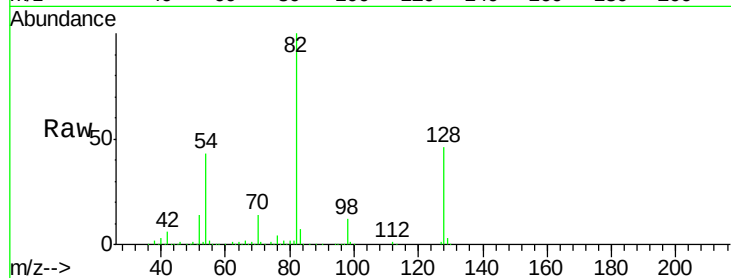
Tot Ion: 82 Resp: 1026915

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

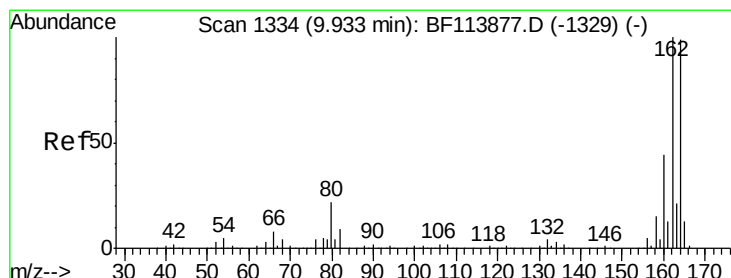
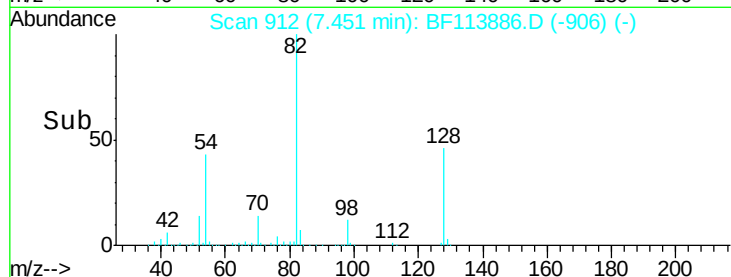
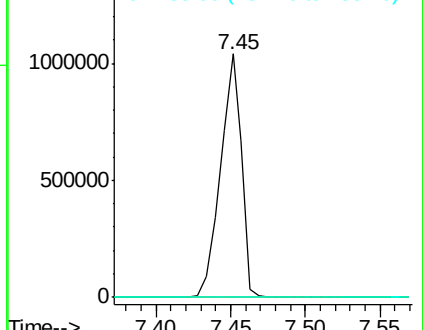
138 0.0 14.6 22.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

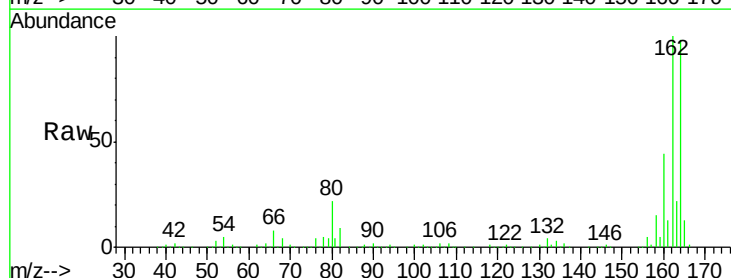
Tgt Ion:164 Resp: 372709

Ion Ratio Lower Upper

164 100

162 101.7 81.1 121.7

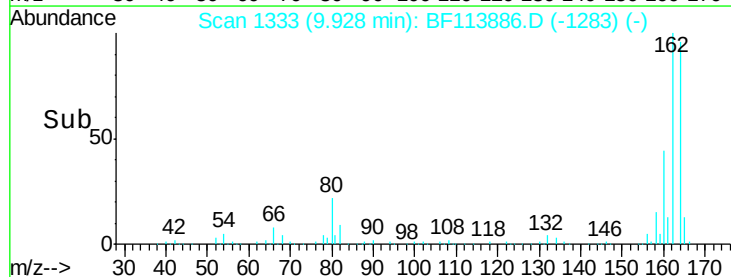
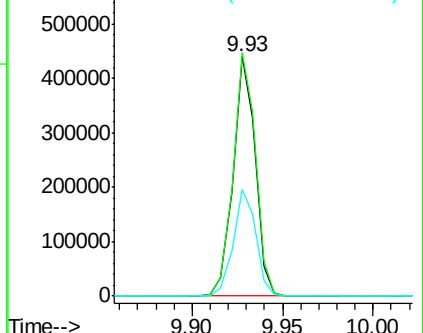
160 44.5 35.8 53.6

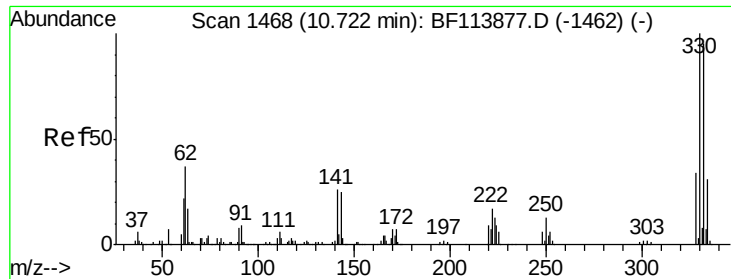


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 124.337 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-12

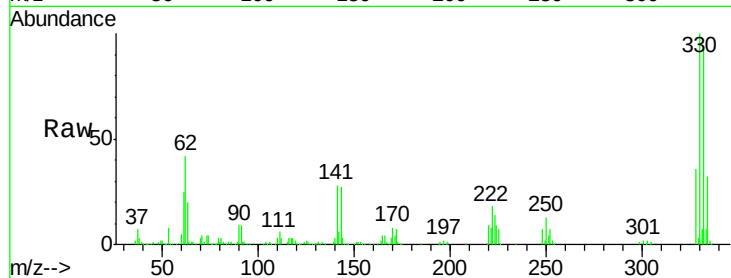
Tot Ion:330 Resp: 564535

Ion Ratio Lower Upper

330 100

332 95.2 77.5 116.3

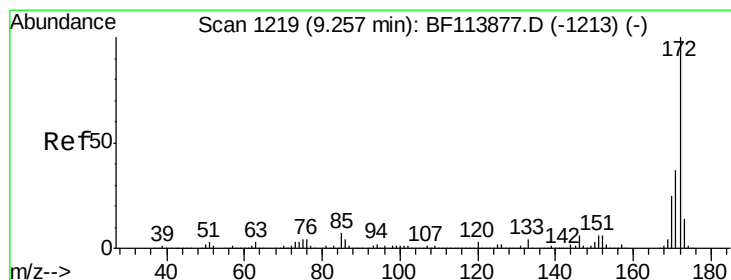
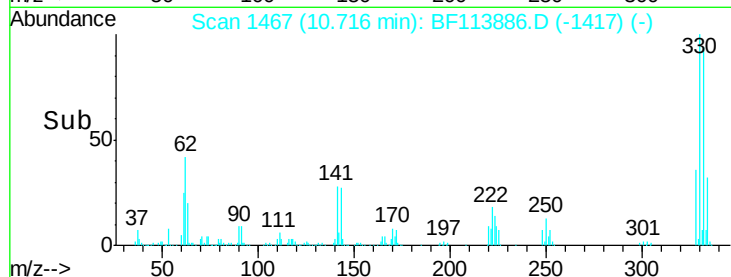
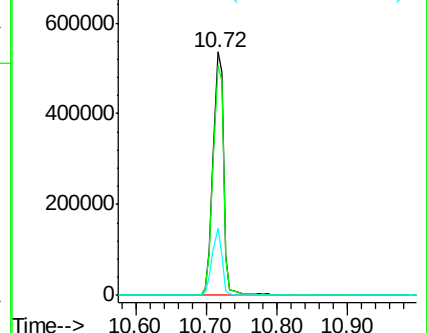
141 25.7 22.2 33.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 83.596 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

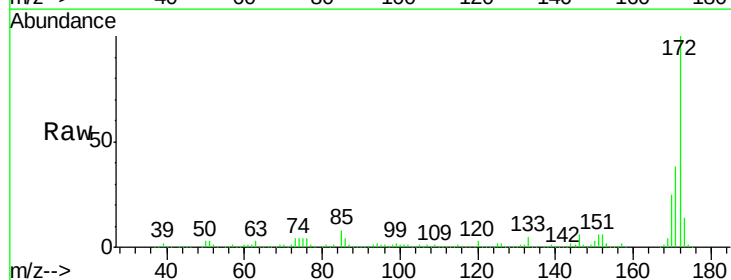
Tgt Ion:172 Resp: 1992099

Ion Ratio Lower Upper

172 100

171 37.5 29.4 44.0

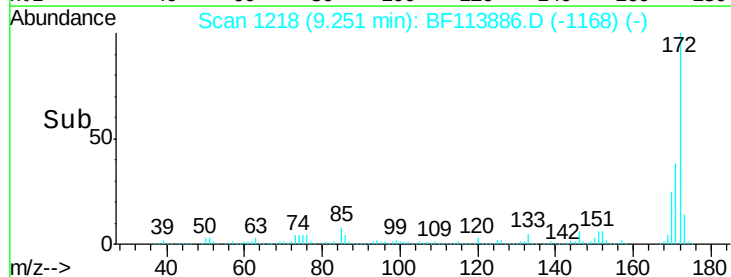
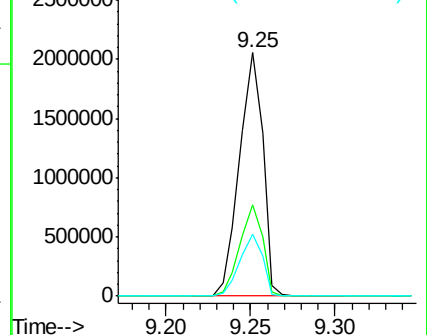
170 25.4 19.9 29.9

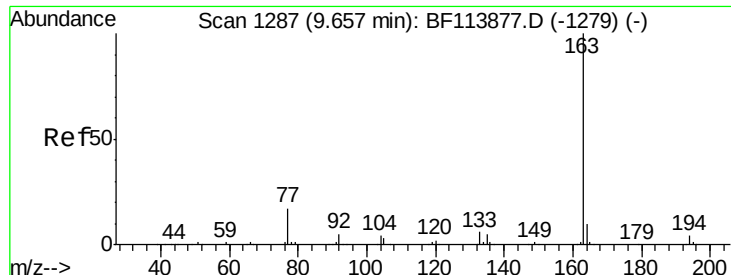


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

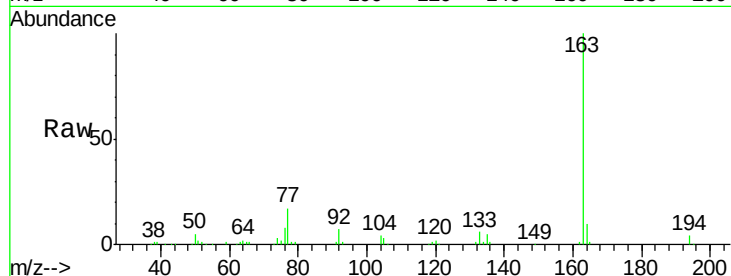




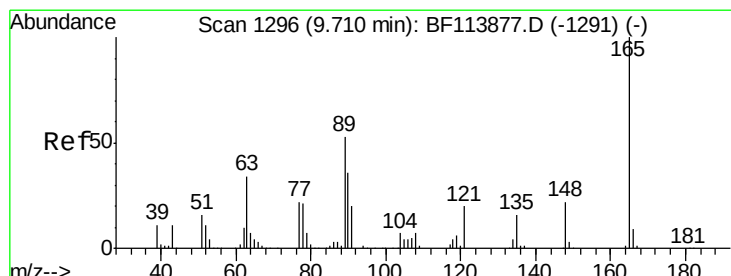
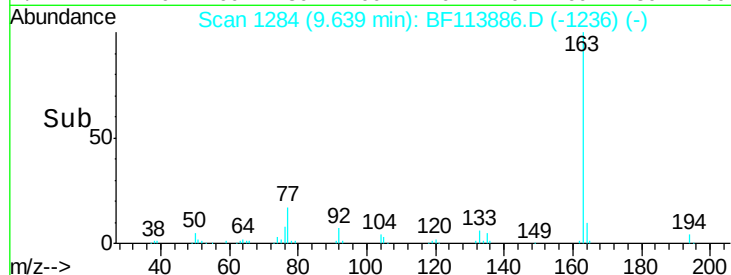
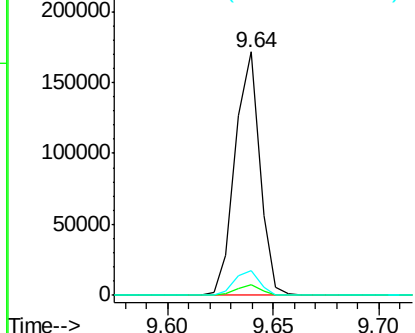
#50
Dimethylphthalate
Concen: 5.132 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113886.D
Acq: 22 Apr 2019 19:11

Instrument :
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Tot Ion:163 Resp: 138335
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.0 8.5 12.7

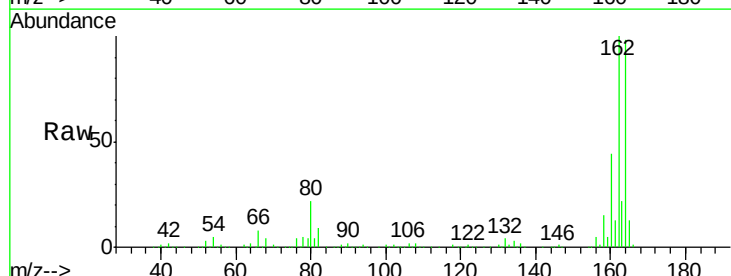


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

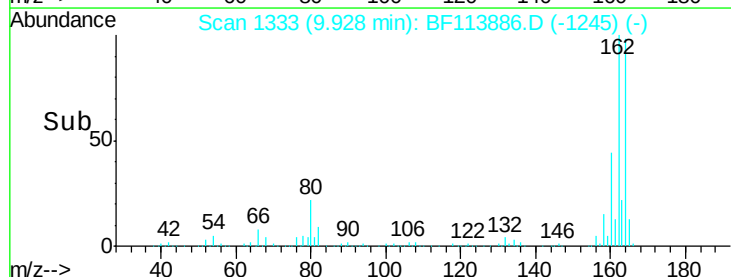
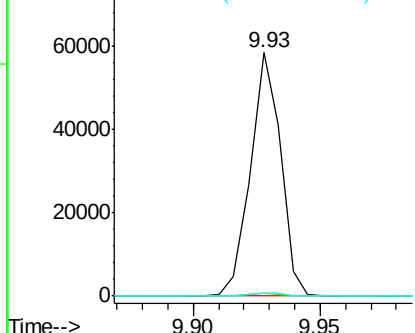


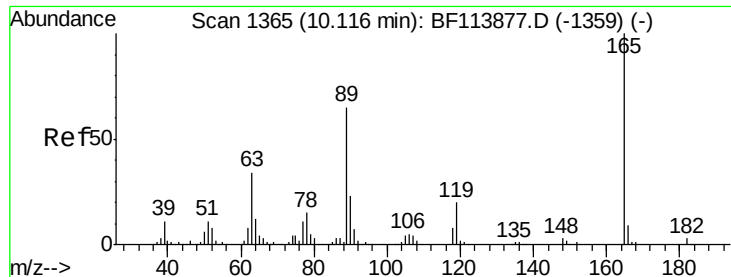
#51
2,6-Dinitrotoluene
Concen: 8.410 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF113886.D
Acq: 22 Apr 2019 19:11

Tgt Ion:165 Resp: 48635
Ion Ratio Lower Upper
165 100
63 1.1 33.8 50.8#
89 1.4 38.2 57.2#



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





#57

2,4-Dinitrotoluene

Concen: 6.663 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-12

Tot Ion:165 Resp: 48635

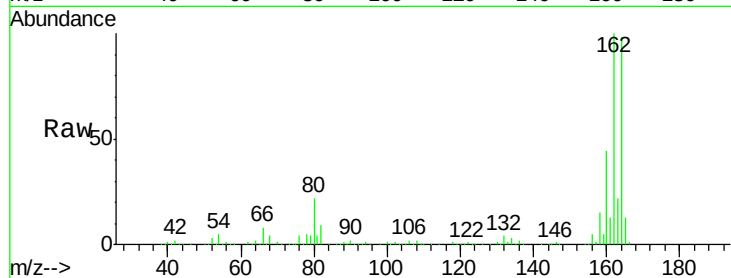
Ion Ratio Lower Upper

165 100

63 1.1 27.4 41.0#

89 1.4 51.8 77.6#

182 0.0 2.2 3.2#

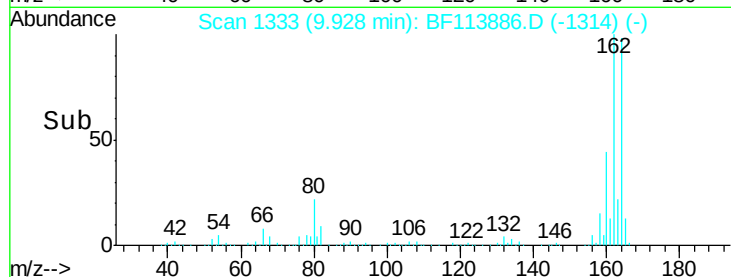


Abundance Ion 165.00 (164.70 to 165.70): E

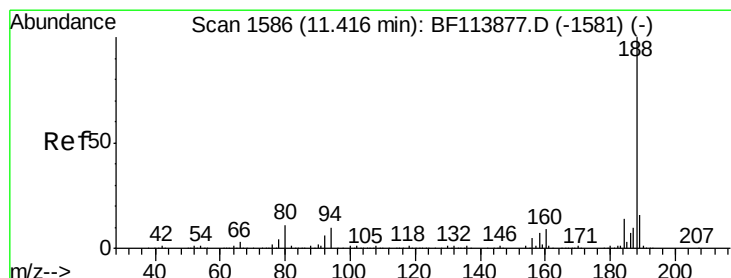
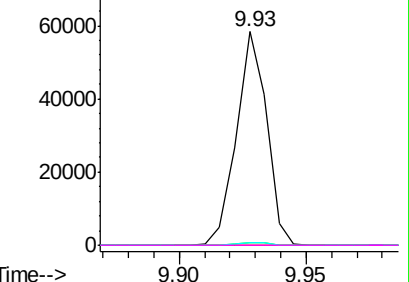
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

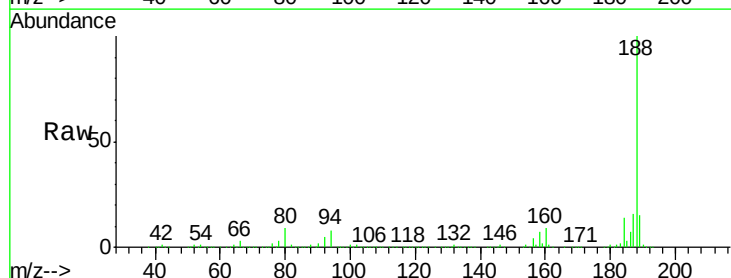
Tgt Ion:188 Resp: 733489

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.4#

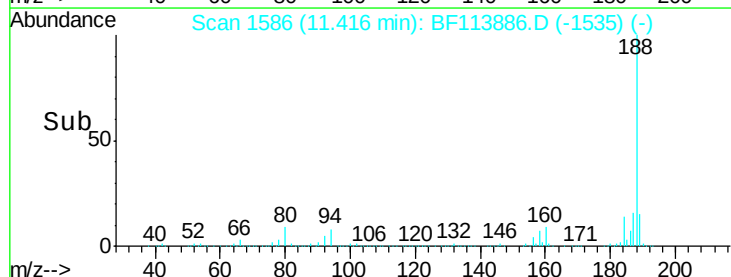
80 9.0 9.0 13.6#



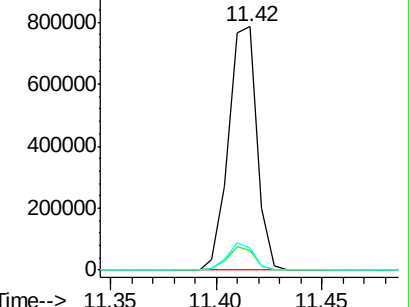
Abundance Ion 188.00 (187.70 to 188.70): E

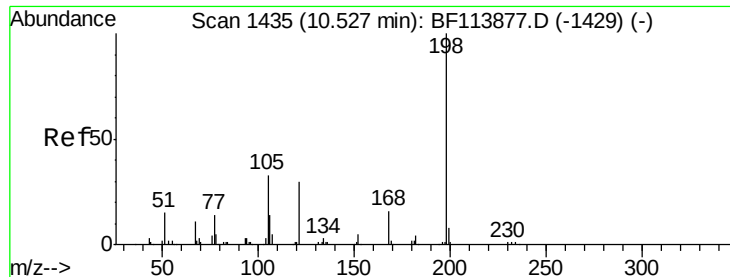
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->

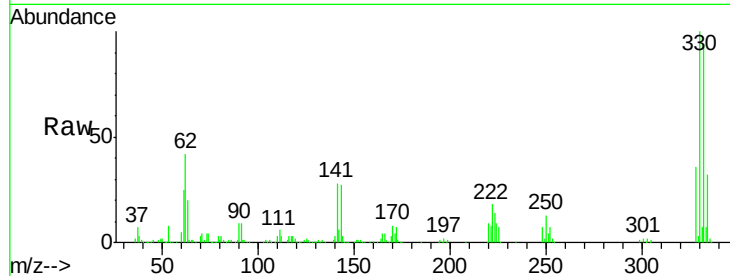




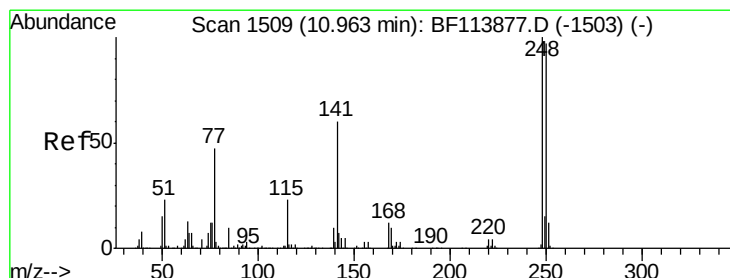
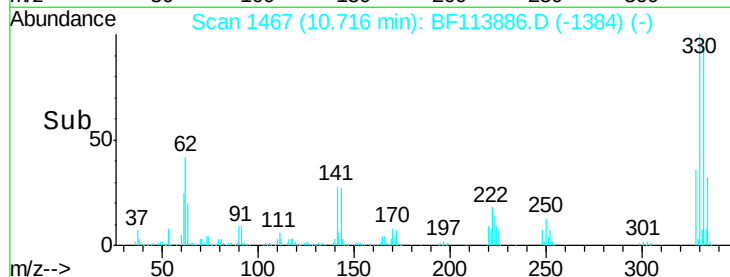
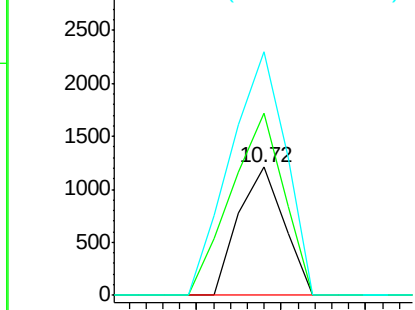
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.536 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113886.D
 Acq: 22 Apr 2019 19:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Tot Ion:198 Resp: 903
 Ion Ratio Lower Upper
 198 100
 51 141.7 11.1 51.1#
 105 189.8 20.7 60.7#

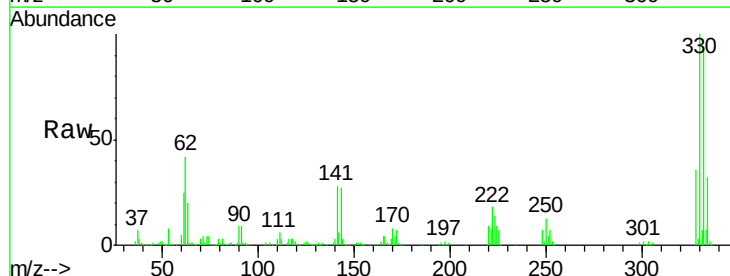


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

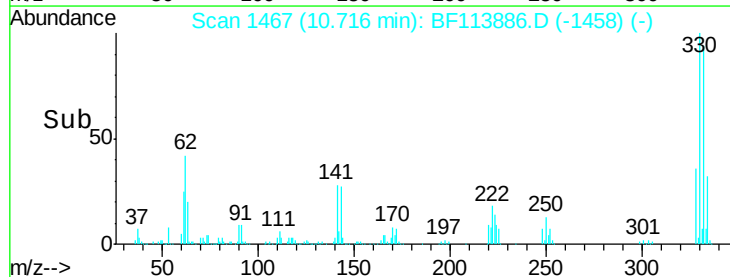
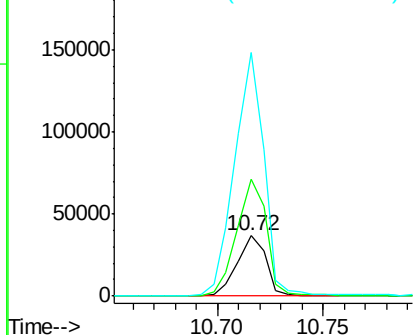


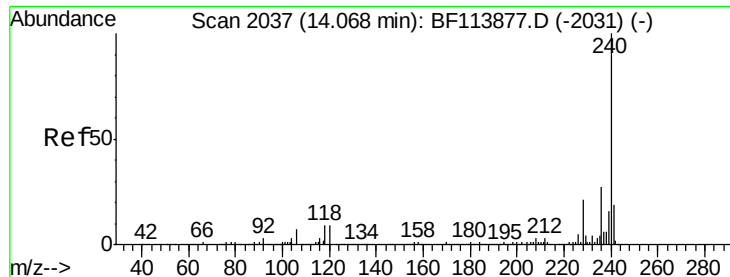
#67
 4-Bromophenyl-phenylether
 Concen: 3.961 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113886.D
 Acq: 22 Apr 2019 19:11

Tgt Ion:248 Resp: 35096
 Ion Ratio Lower Upper
 248 100
 250 194.9 75.8 113.6#
 141 403.9 50.2 75.4#



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

Instrument :

BNA_F

ClientSampleId :

TP-12

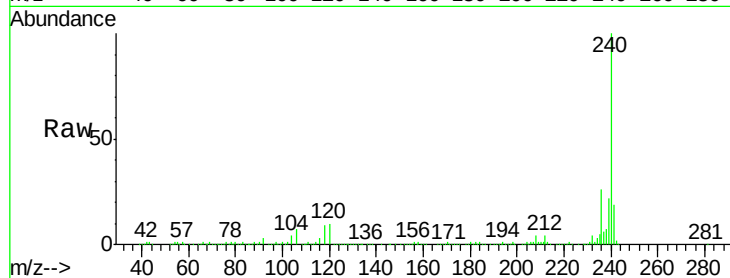
Tot Ion:240 Resp: 536617

Ion Ratio Lower Upper

240 100

120 9.6 9.3 13.9

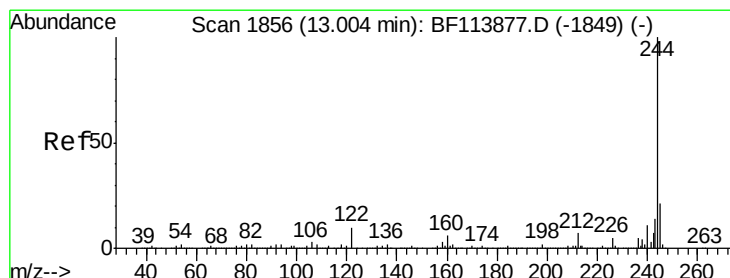
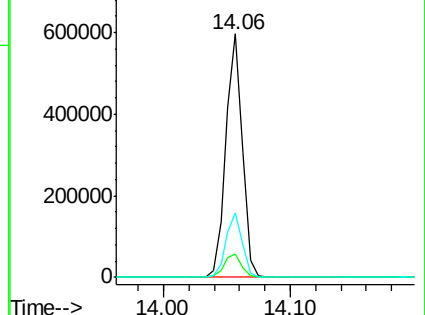
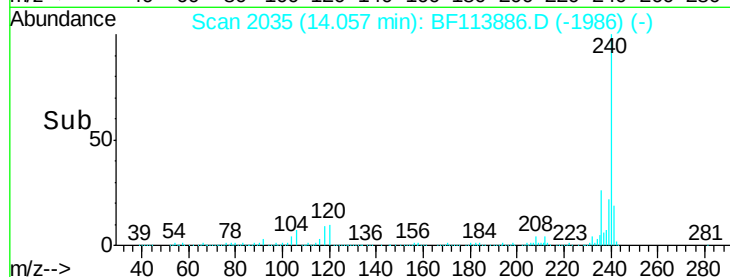
236 26.4 21.2 31.8



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: 89.309 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113886.D

Acq: 22 Apr 2019 19:11

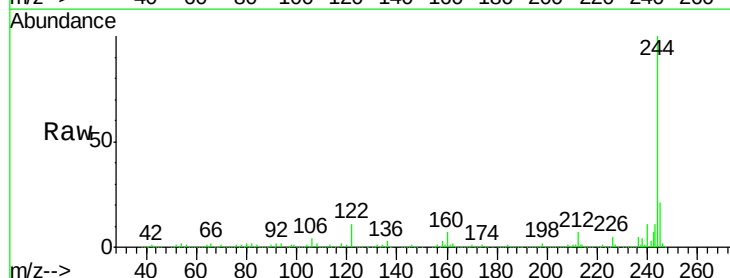
Tgt Ion:244 Resp: 2337647

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

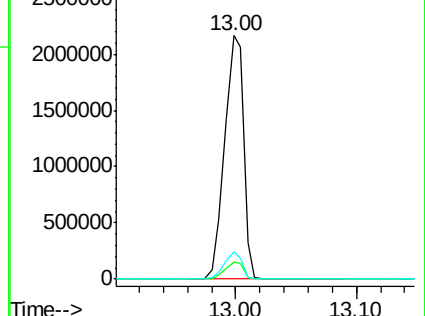
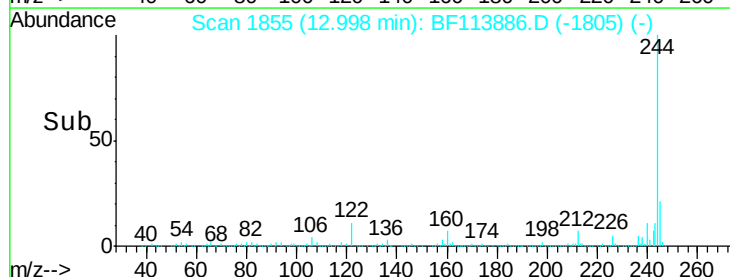
122 11.1 7.6 11.4

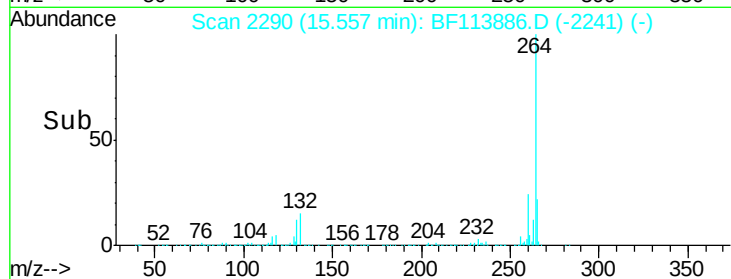
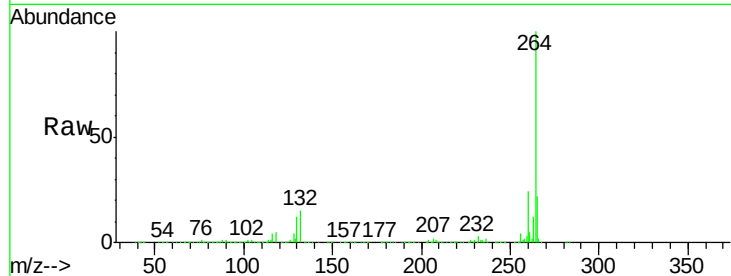
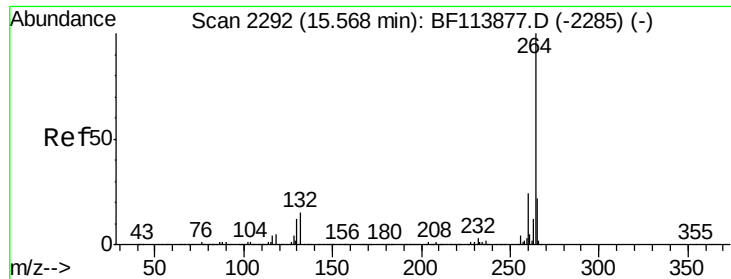


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF113886.D
Acq: 22 Apr 2019 19:11

Instrument :
BNA_F
ClientSampleId :
TP-12

Tot Ion:	264	Resp:	546020
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.2	17.3	25.9

