

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113988.D
 Acq On : 25 Apr 2019 20:02
 Operator : JU/SJ
 Sample : K2555-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 23:18:18 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	102757	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	389988	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	207657	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	445485	20.00	ng	0.00
76) Chrysene-d12	14.05	240	422875	20.00	ng	-0.02
87) Perylene-d12	15.54	264	433168	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	393066	65.42	ng	0.00
7) Phenol-d6	6.52	99	365868	48.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	620439	98.23	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	374843	148.18	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1269751	95.63	ng	0.00
79) Terphenyl-d14	13.00	244	1789701	86.77	ng	0.00

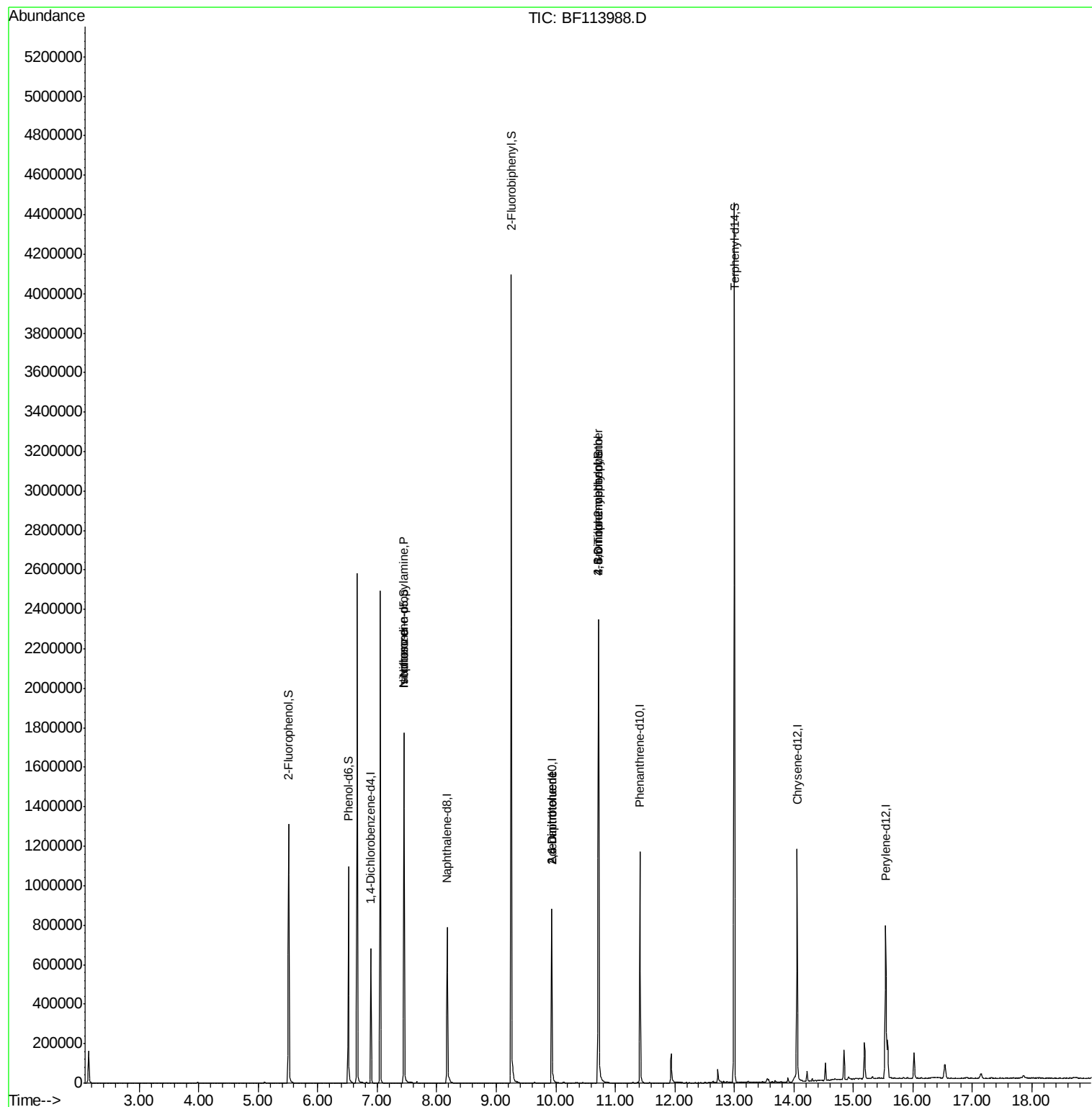
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	15791	Below Cal		85
19) n-Nitroso-di-n-propylamine	7.45	70	83215	17.048	ng	# 78
25) Isophorone	7.45	82	620432	48.006	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	26596	8.255	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	26597	6.540	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	530	7.528	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	23928	4.446	ng	# 1

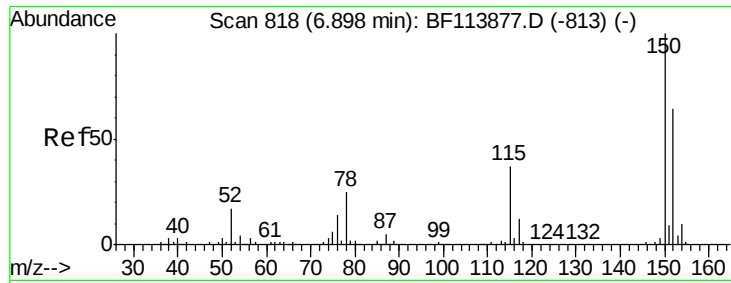
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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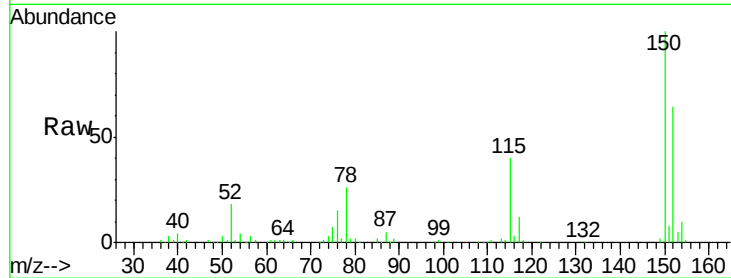


#1

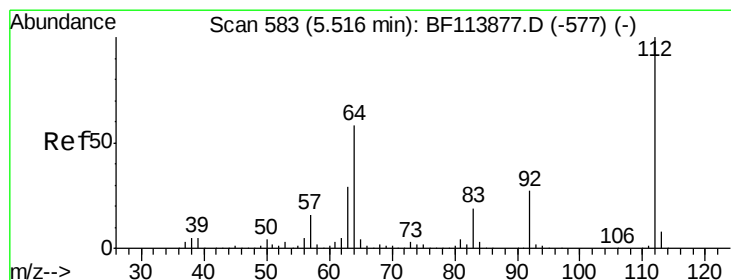
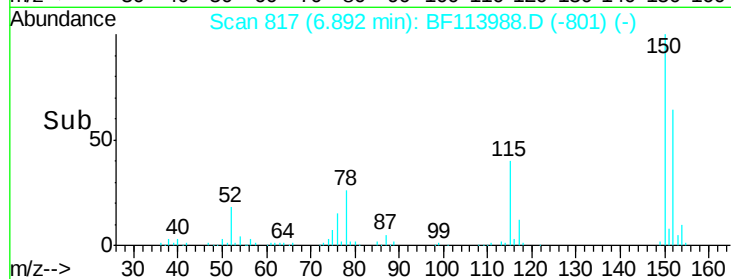
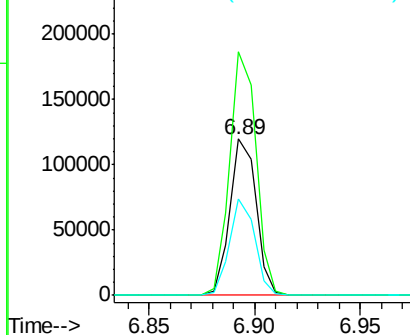
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.9	188.9
115	61.7	45.9	68.9



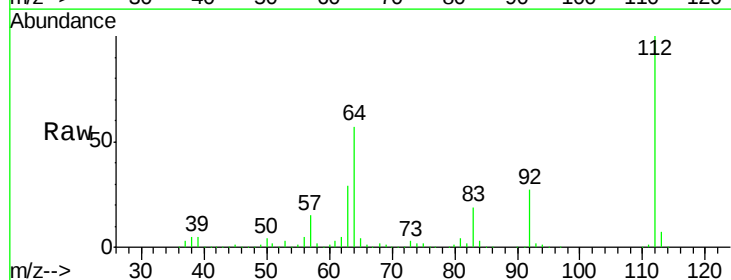
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



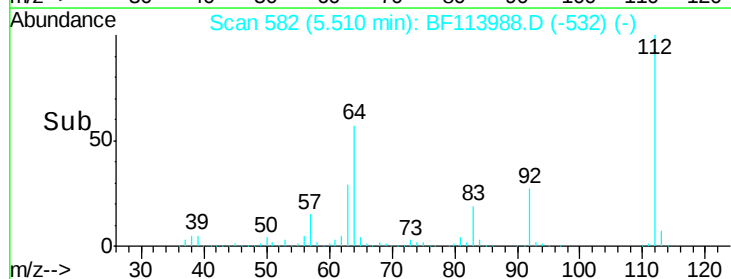
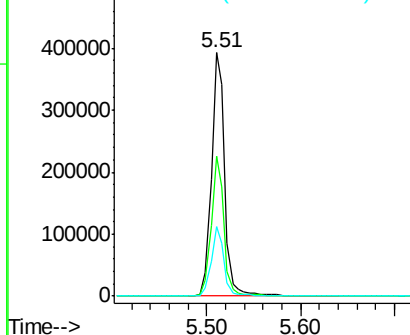
#5

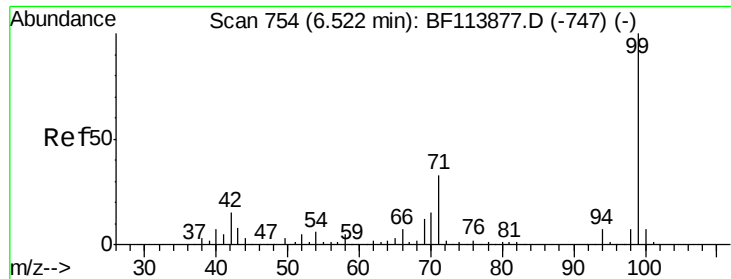
2-Fluorophenol
 Concen: 65.425 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.6	69.8
63	28.6	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: 48.539 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

Instrument :

BNA_F

ClientSampleId :

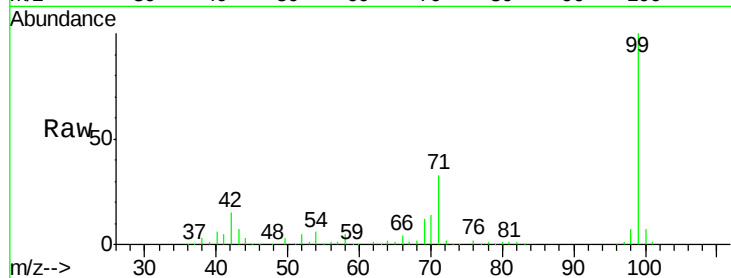
Tot Ion: 99 Resp: 365868

Ion Ratio Lower Upper

99 100

42 14.5 12.5 18.7

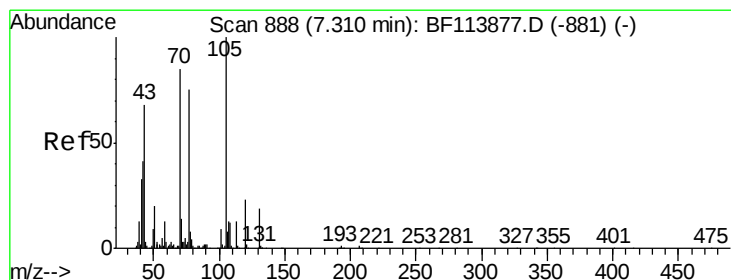
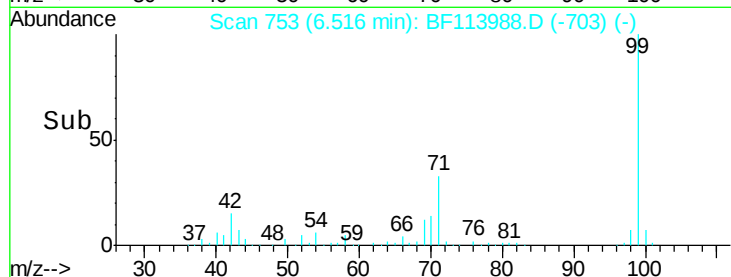
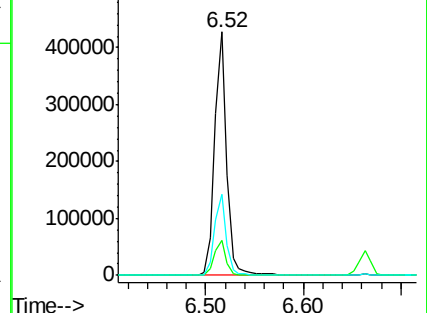
71 33.1 26.9 40.3



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: 17.048 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

Tgt Ion: 70 Resp: 83215

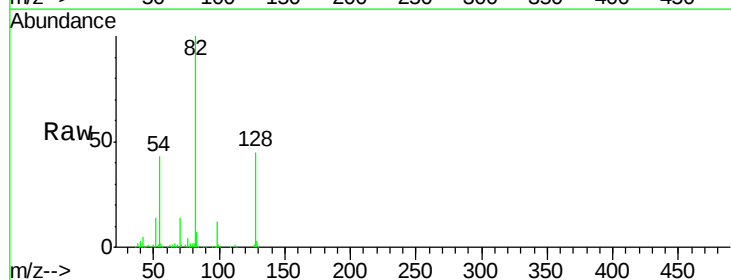
Ion Ratio Lower Upper

70 100

42 39.6 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

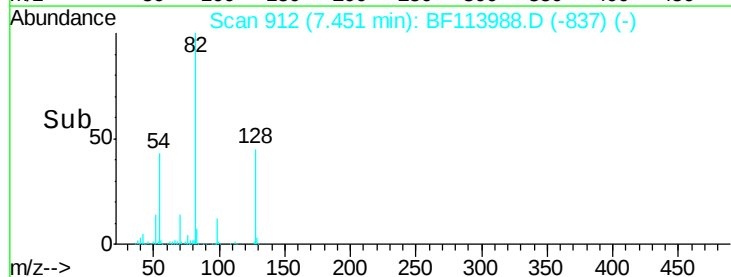
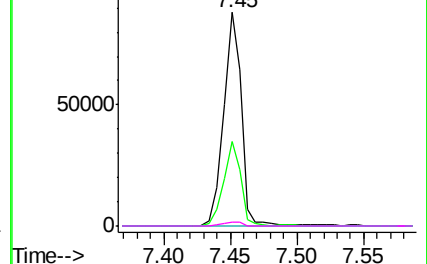


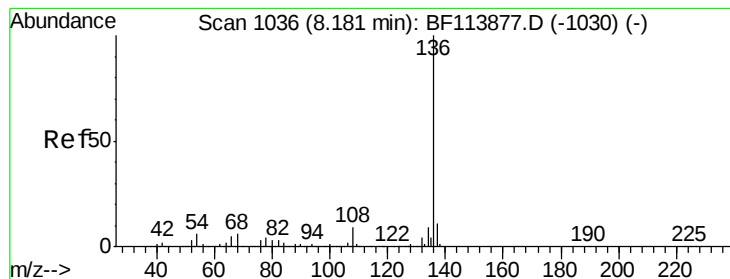
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113988.D

Acq: 25 Apr 2019 20:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 389988

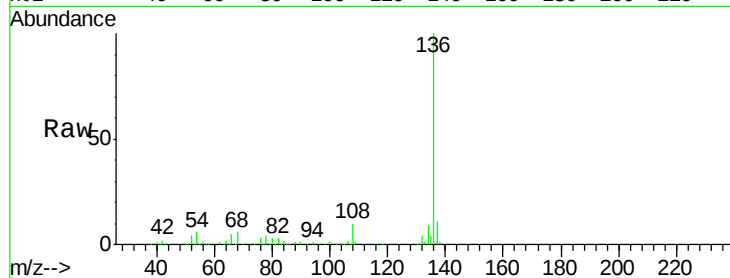
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 6.3 5.0 7.6

68 6.2 4.9 7.3

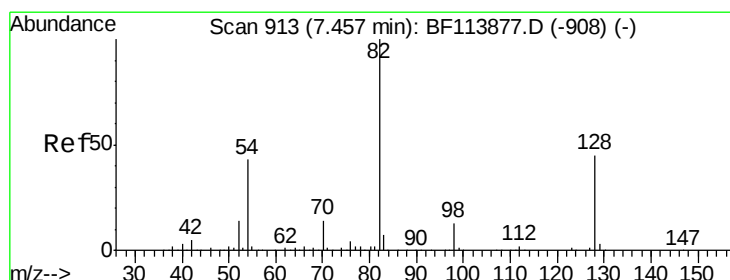
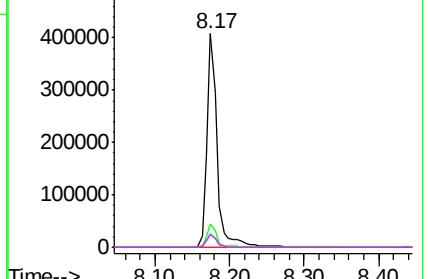
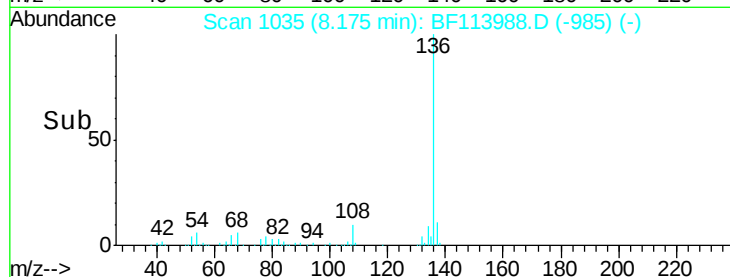


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.230 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

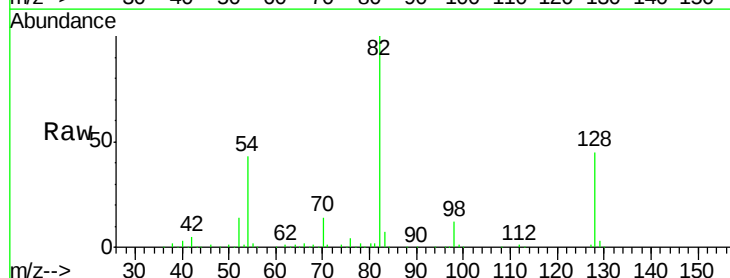
Tgt Ion: 82 Resp: 620439

Ion Ratio Lower Upper

82 100

128 45.4 36.8 55.2

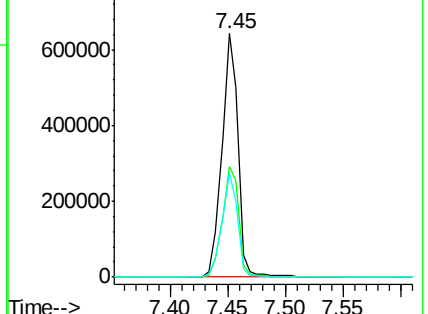
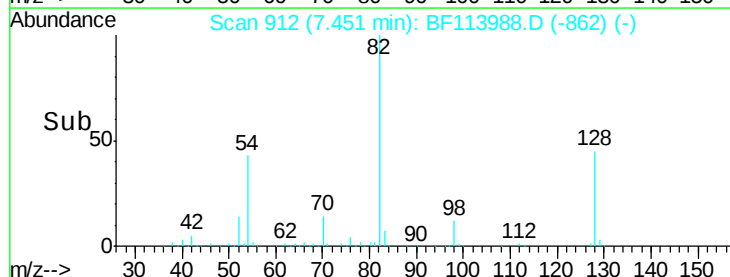
54 42.8 33.8 50.6



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: 48.006 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

Instrument :

BNA_F

ClientSampleId :

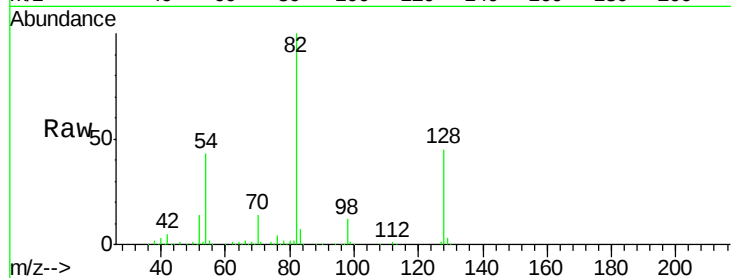
Tot Ion: 82 Resp: 620432

Ion Ratio Lower Upper

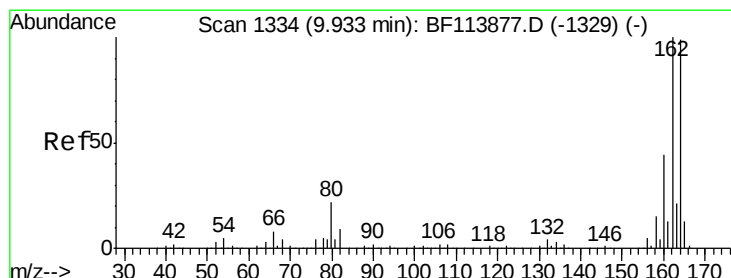
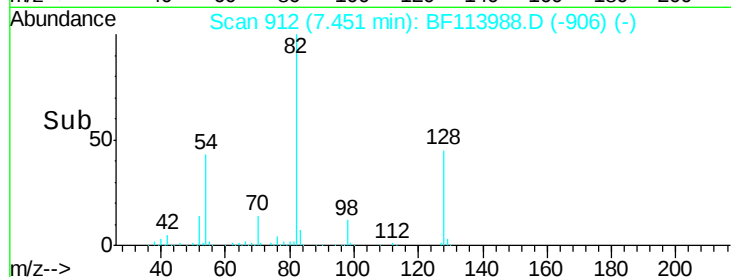
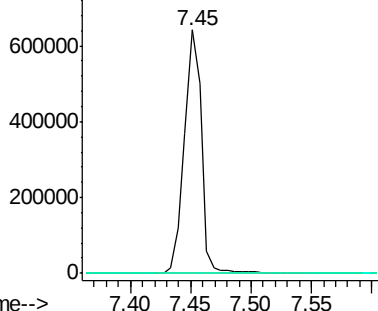
82 100

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: BF113988.D

Acq: 25 Apr 2019 20:02

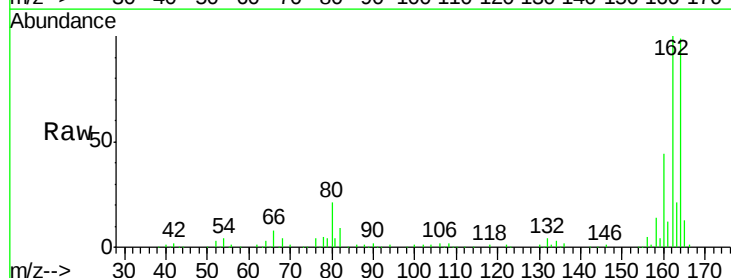
Tgt Ion: 164 Resp: 207657

Ion Ratio Lower Upper

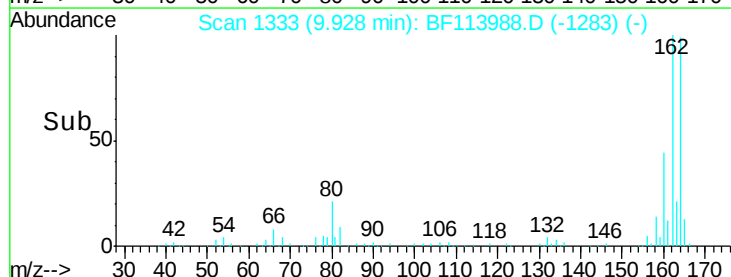
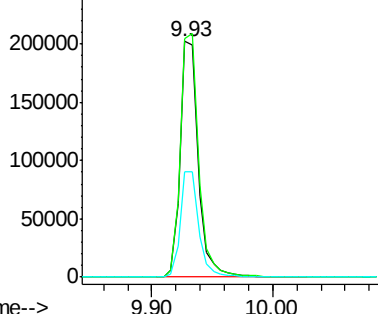
164 100

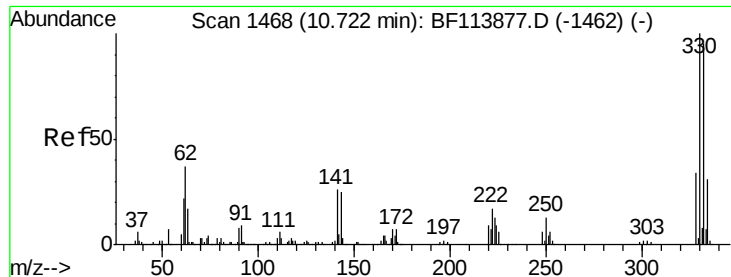
162 101.1 81.1 121.7

160 44.7 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

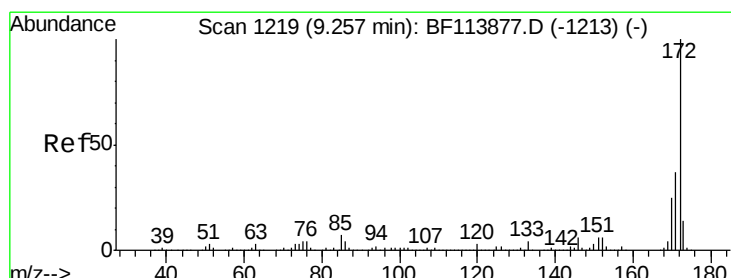
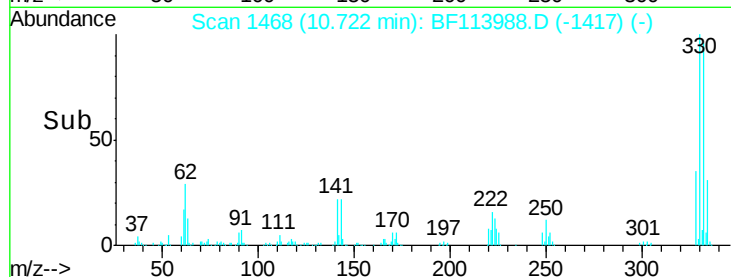
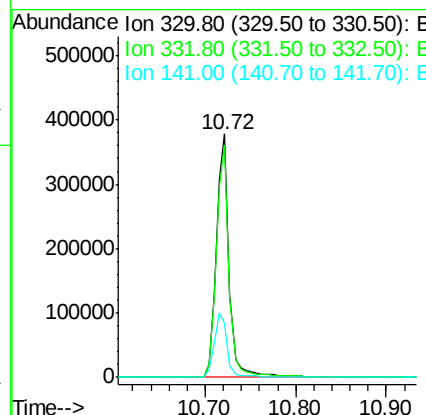
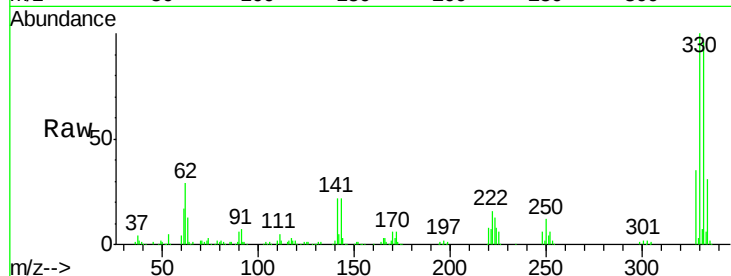




#42
 2,4,6-Tribromophenol
 Concen: 148.178 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

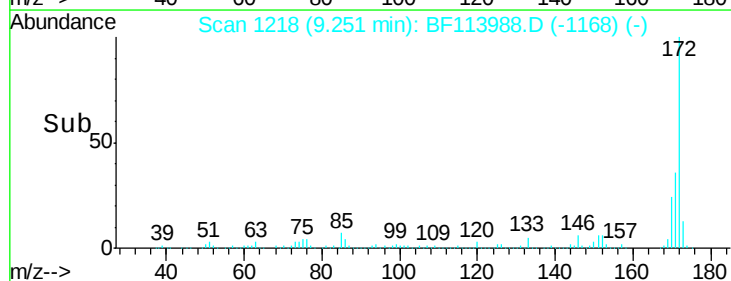
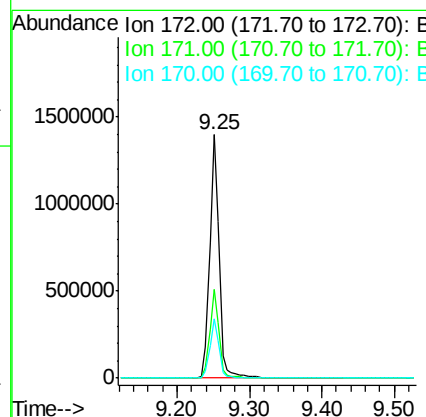
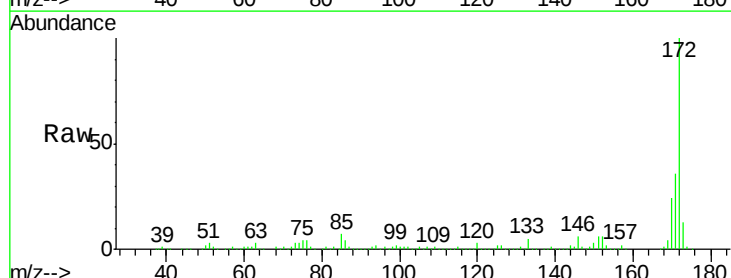
Instrument :
 BNA_F
 ClientSampleId :

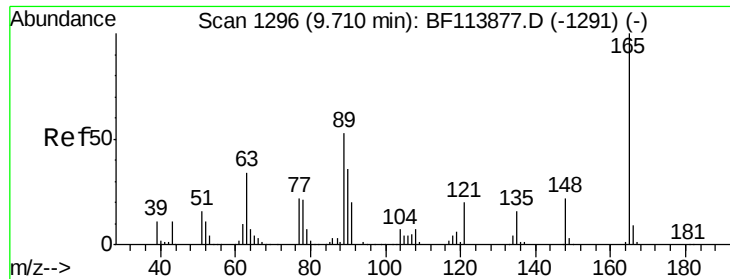
Tot Ion:330 Resp: 374843
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.5 116.3
 141 27.3 22.2 33.2



#45
 2-Fluorobiphenyl
 Concen: 95.635 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

Tgt Ion:172 Resp: 1269751
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.5 19.9 29.9

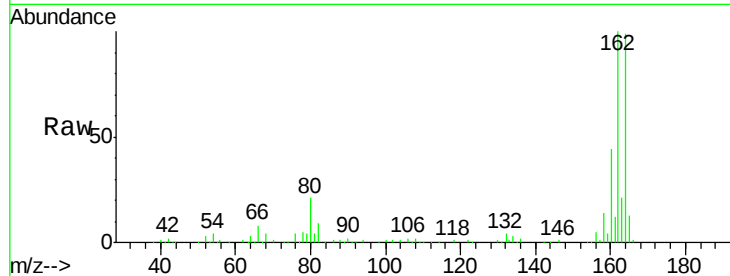




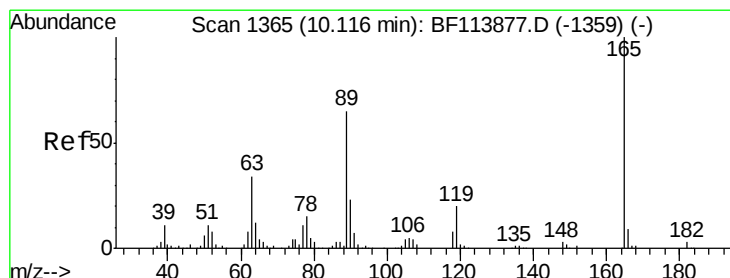
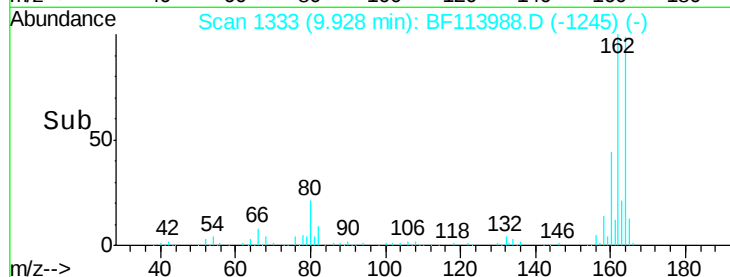
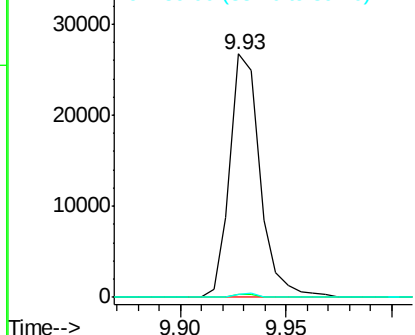
#51
 2,6-Dinitrotoluene
 Concen: 8.255 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.4	38.2	57.2#

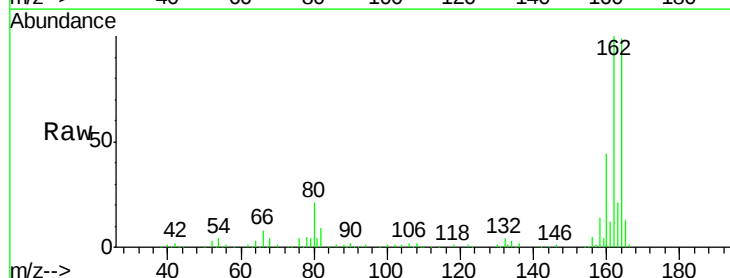


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

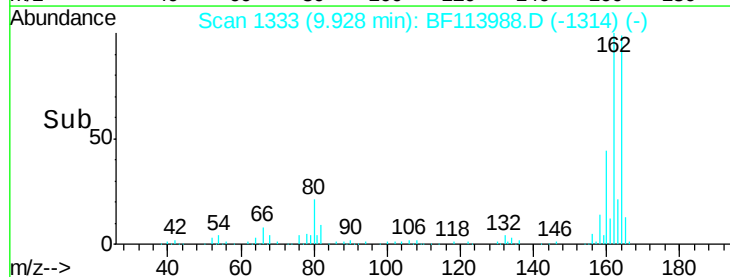
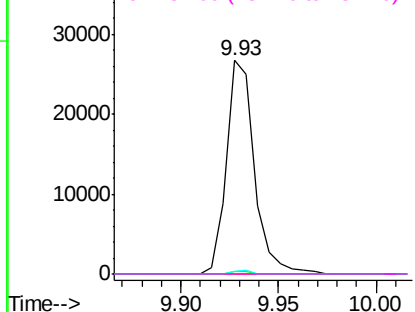


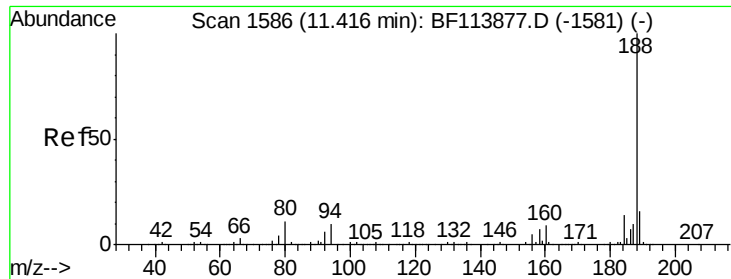
#57
 2,4-Dinitrotoluene
 Concen: 6.540 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

Instrument :

BNA_F

ClientSampleId :

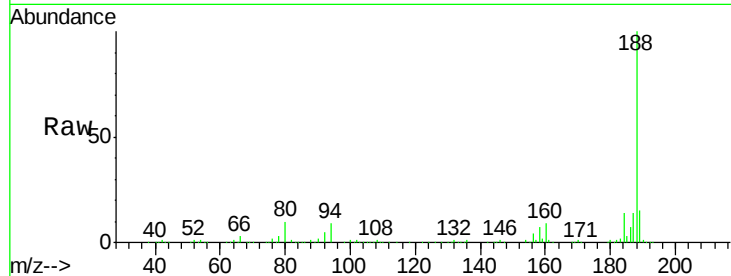
Tot Ion:188 Resp: 445485

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

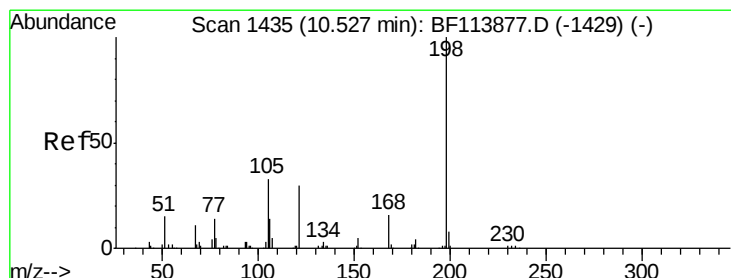
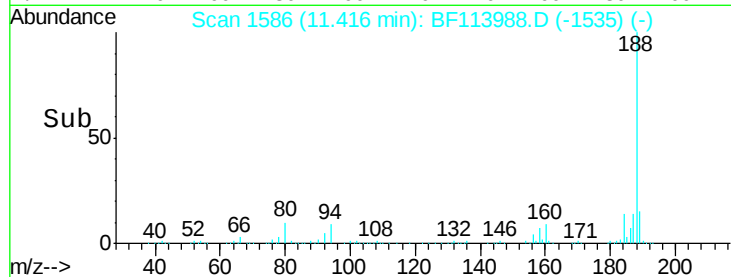
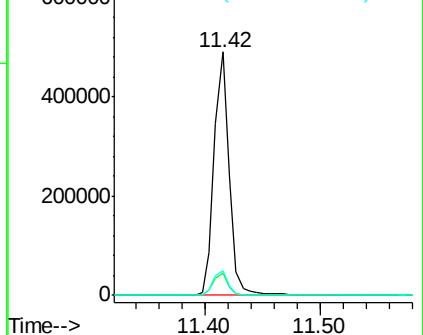
80 10.0 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.528 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

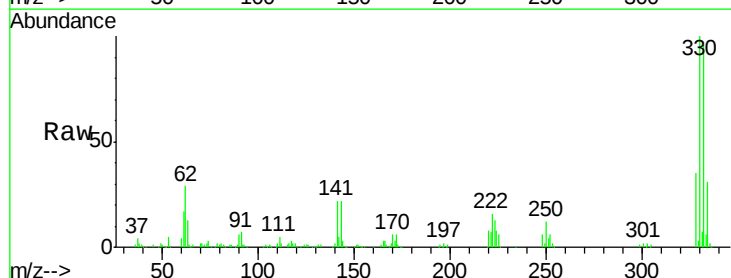
Tgt Ion:198 Resp: 530

Ion Ratio Lower Upper

198 100

51 136.0 11.1 51.1#

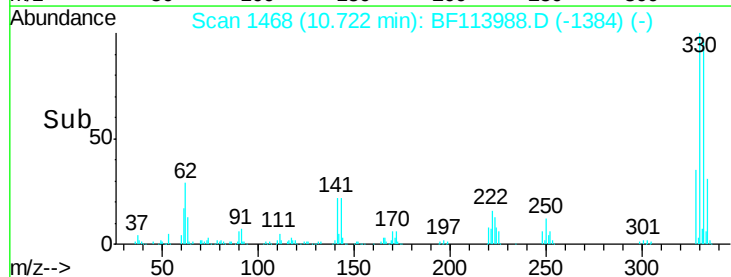
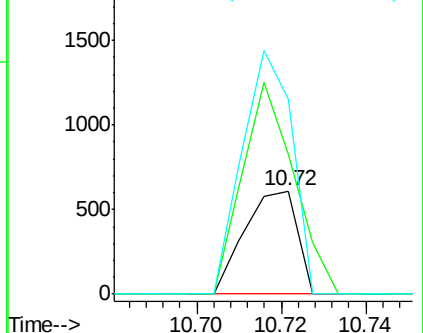
105 189.3 20.7 60.7#

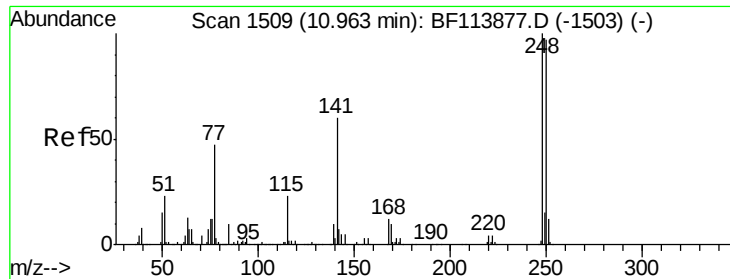


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

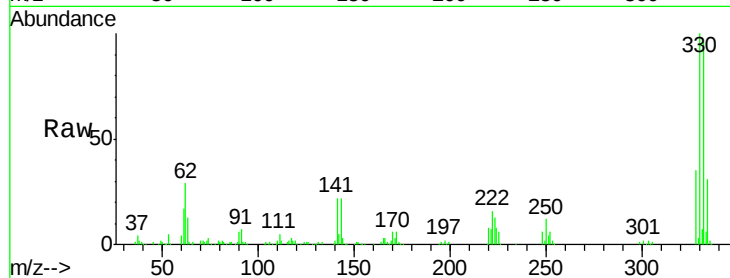




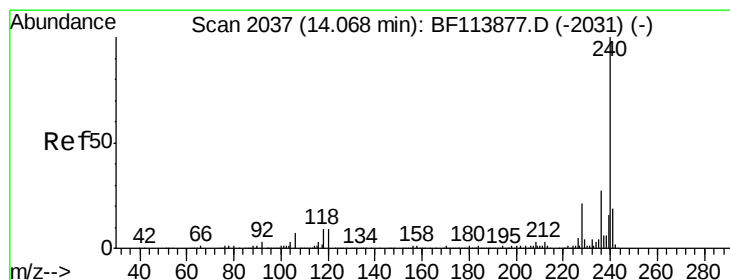
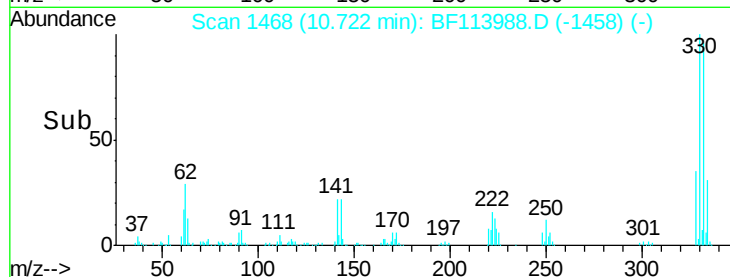
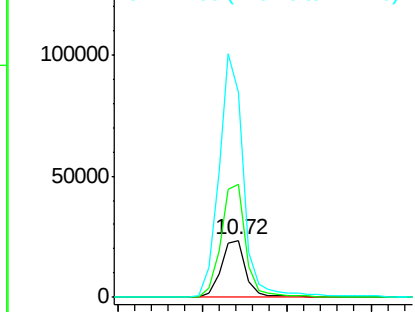
#67
 4-Bromophenyl-phenylether
 Concen: 4.446 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 23928
 Ion Ratio Lower Upper
 248 100
 250 198.2 75.8 113.6#
 141 362.0 50.2 75.4#

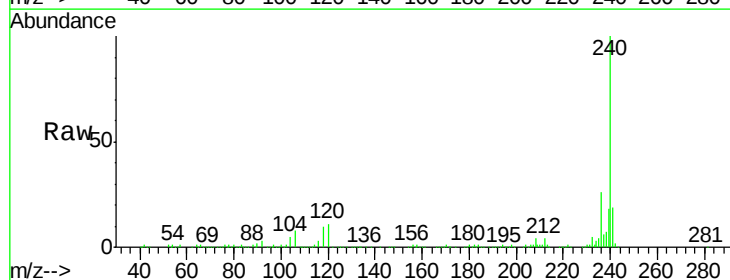


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

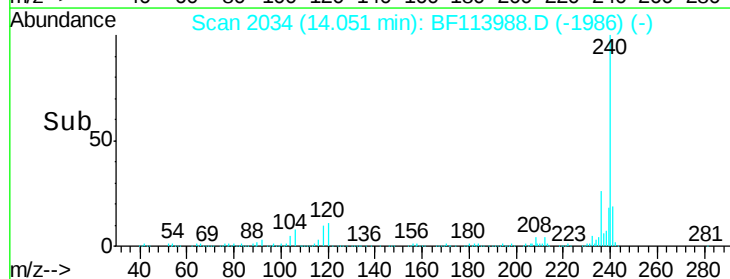
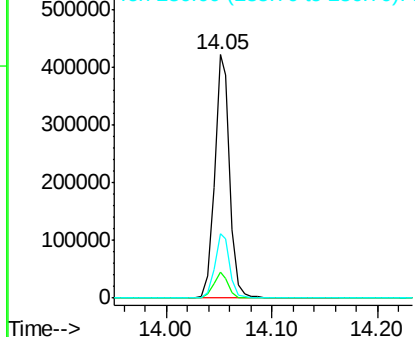


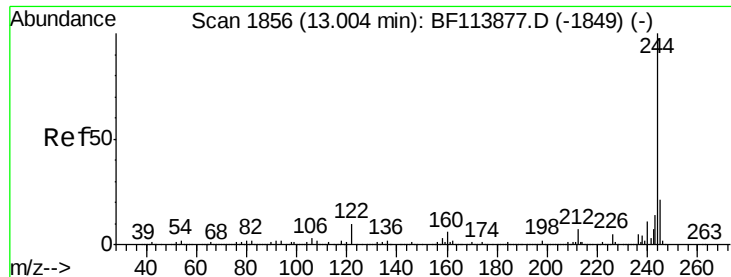
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113988.D
 Acq: 25 Apr 2019 20:02

Tgt Ion:240 Resp: 422875
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.3 13.9
 236 26.2 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: 86.766 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

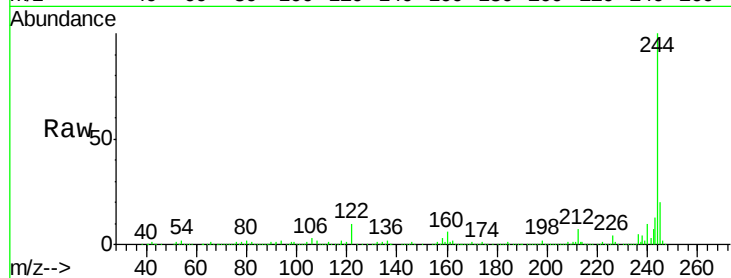
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1789701

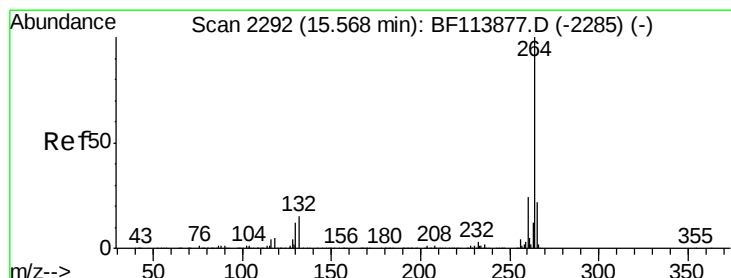
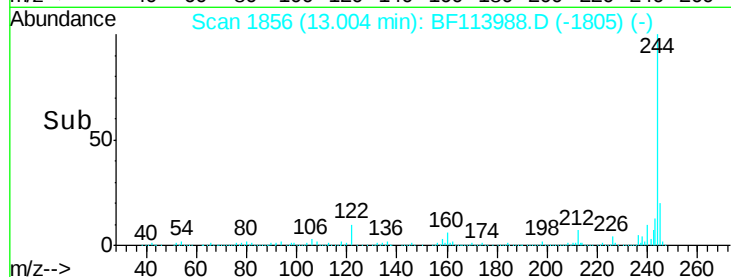
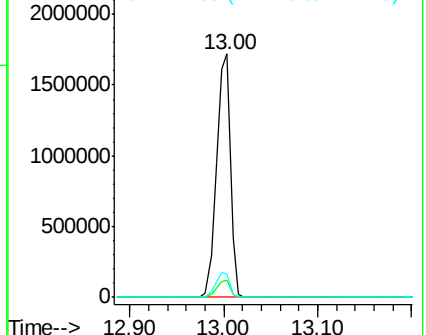
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.5	7.6	11.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

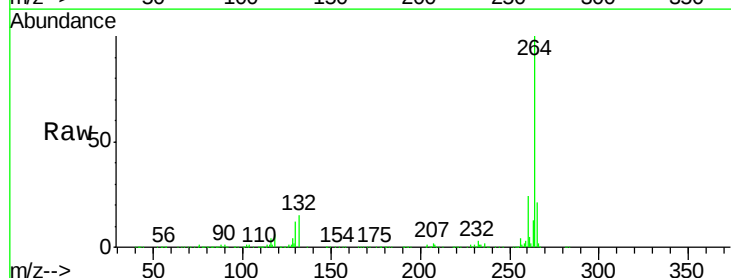
Delta R.T. -0.02 min

Lab File: BF113988.D

Acq: 25 Apr 2019 20:02

Tgt Ion:264 Resp: 433168

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.4	17.3	25.9



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

