

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113986.D
 Acq On : 25 Apr 2019 19:09
 Operator : JU/SJ
 Sample : K2555-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 23:18:04 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

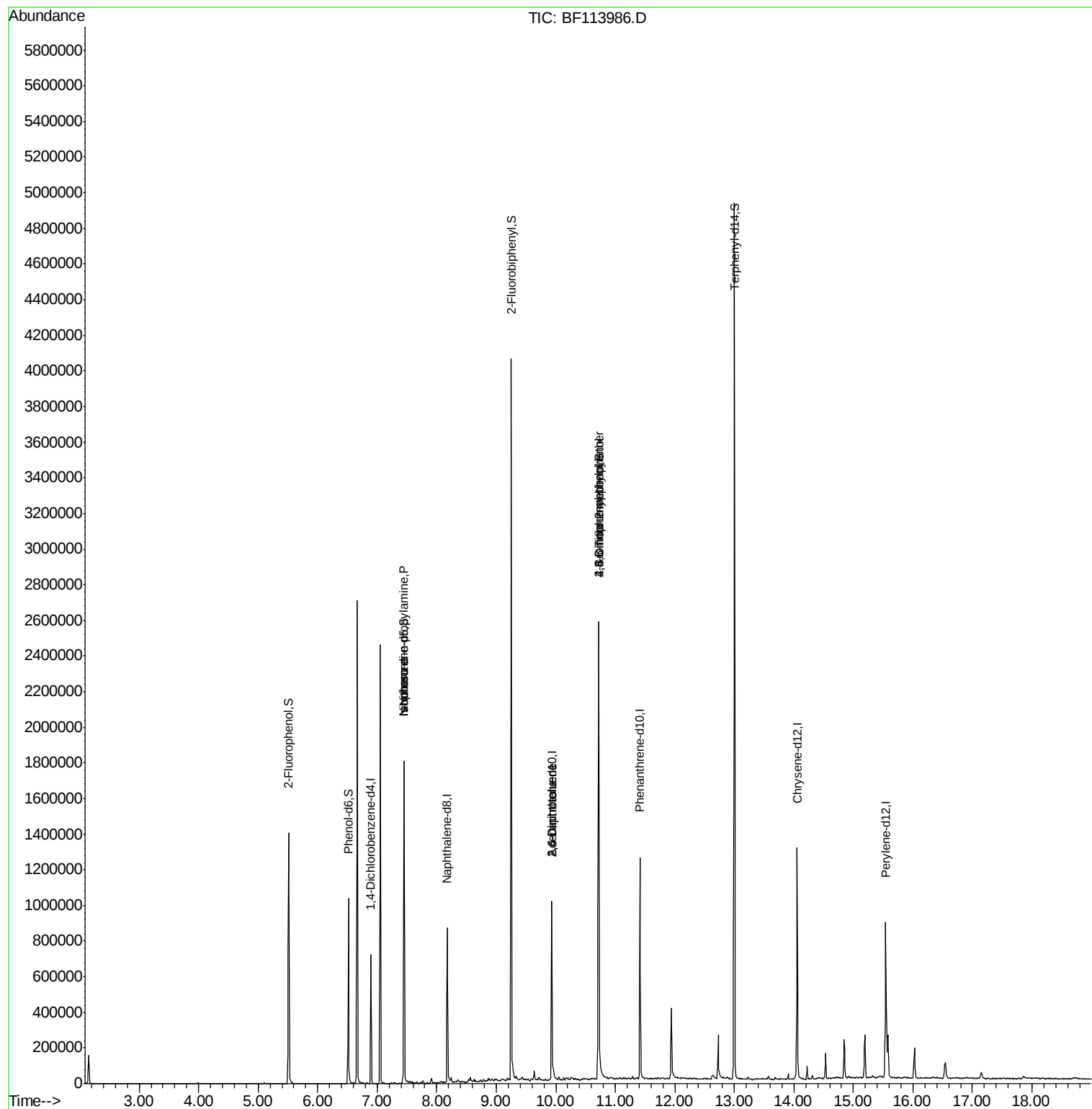
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	107648	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	409570	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	220535	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	461521	20.00	ng	0.00
76) Chrysene-d12	14.06	240	442382	20.00	ng	-0.01
87) Perylene-d12	15.54	264	461263	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	421619	66.99	ng	0.00
7) Phenol-d6	6.52	99	351859	44.56	ng	0.00
23) Nitrobenzene-d5	7.45	82	649642	97.94	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	411672	153.23	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1300106	92.20	ng	0.00
79) Terphenyl-d14	13.00	244	1845359	85.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	16708	Below Cal		83
19) n-Nitroso-di-n-propylamine	7.45	70	85775	16.774 ng	#	78
25) Isophorone	7.45	82	649594	47.860 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	28177	8.235 ng	#	34
57) 2,4-Dinitrotoluene	9.93	165	28173	6.523 ng	#	30
65) 4,6-Dinitro-2-methylphenol	10.72	198	562	7.533 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	25713	4.612 ng	#	1

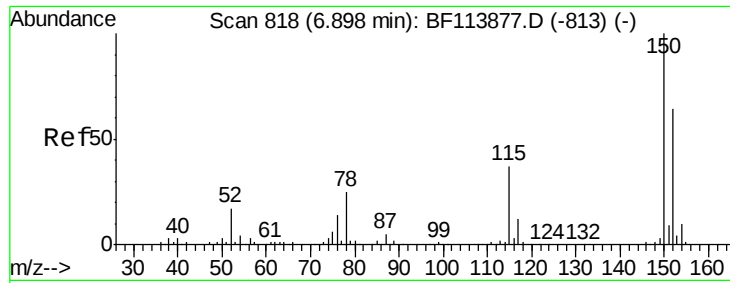
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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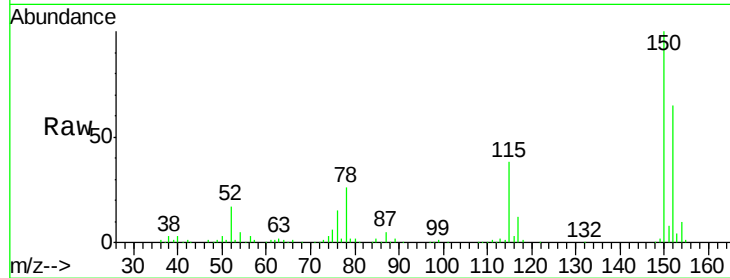


#1

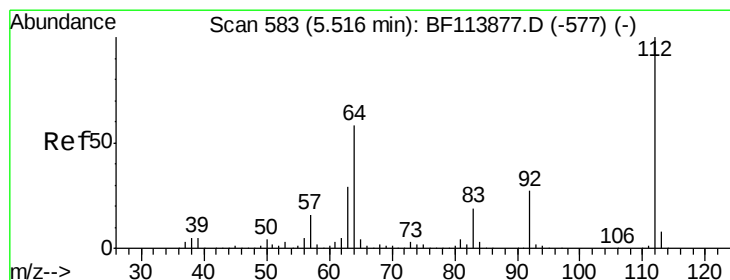
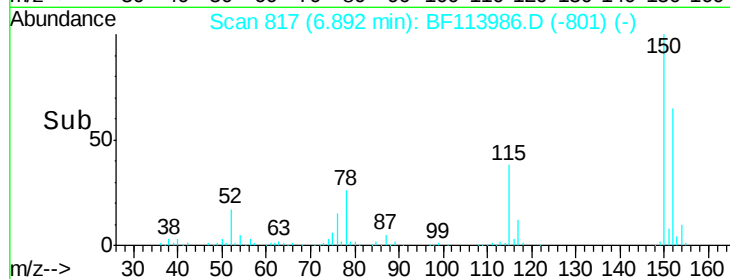
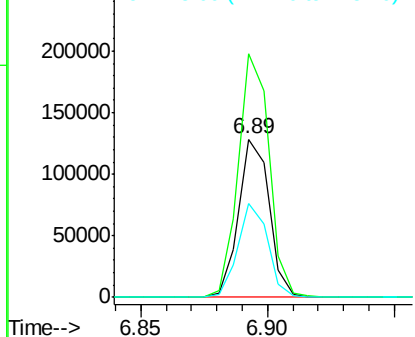
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113986.D
Acq: 25 Apr 2019 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107648
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 59.1 45.9 68.9



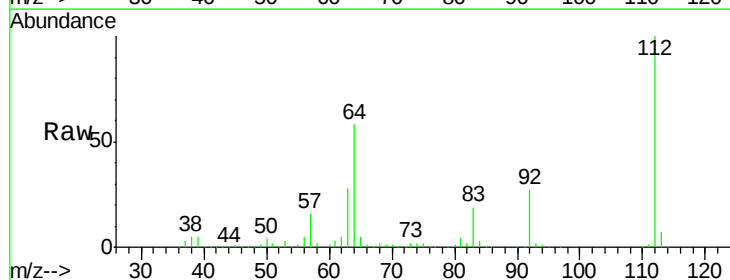
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



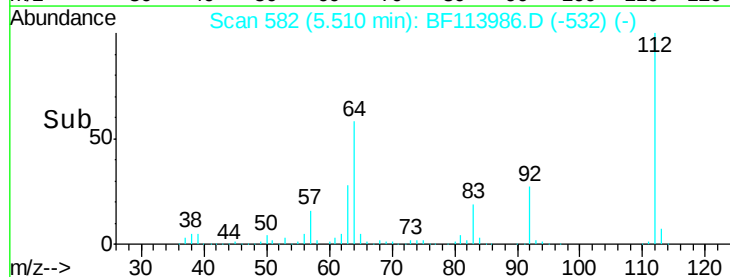
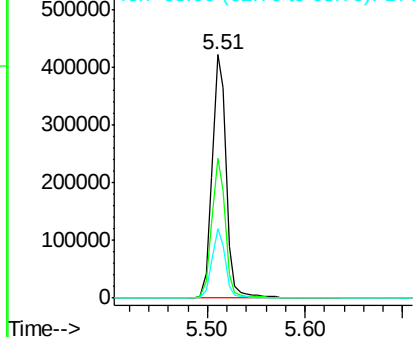
#5

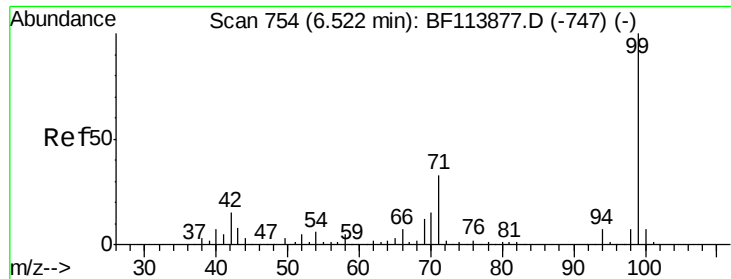
2-Fluorophenol
Concen: 66.989 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF113986.D
Acq: 25 Apr 2019 19:09

Tgt Ion:112 Resp: 421619
Ion Ratio Lower Upper
112 100
64 57.7 46.6 69.8
63 28.4 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: 44.559 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

Instrument :

BNA_F

ClientSampleId :

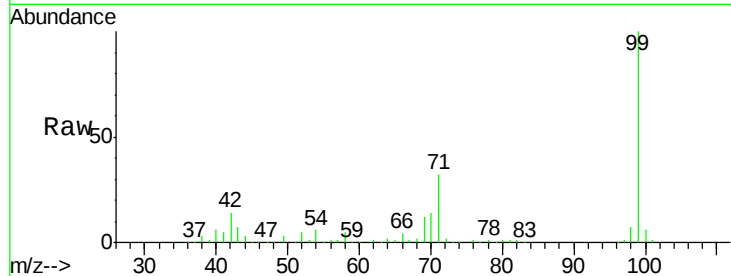
Tot Ion: 99 Resp: 351859

Ion Ratio Lower Upper

99 100

42 14.2 12.5 18.7

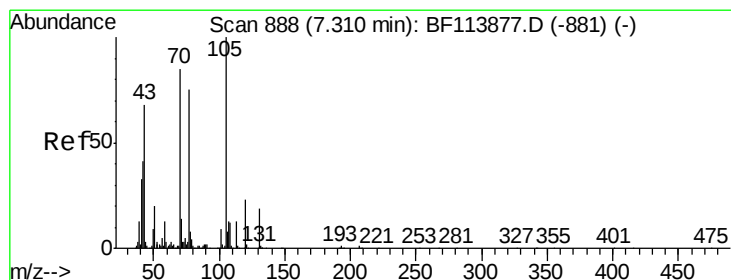
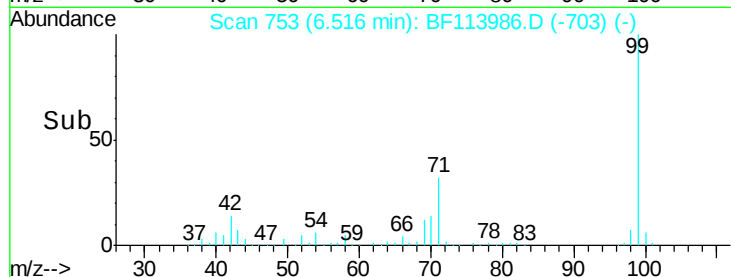
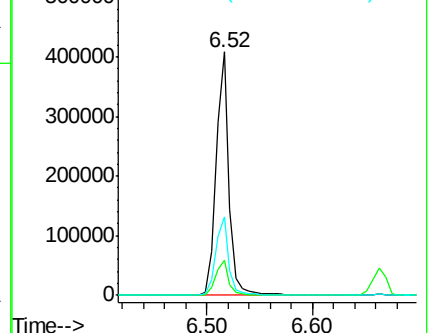
71 32.2 26.9 40.3



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: 16.774 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

Tgt Ion: 70 Resp: 85775

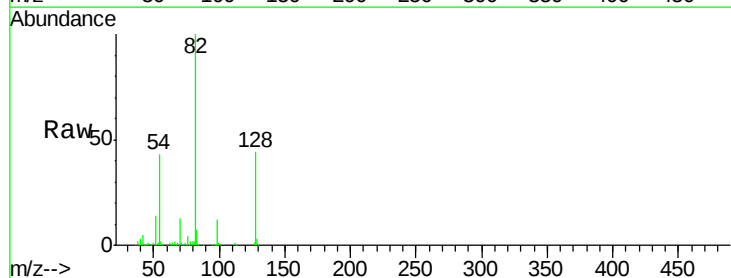
Ion Ratio Lower Upper

70 100

42 39.7 37.3 55.9

101 0.0 7.8 11.8#

130 2.4 18.2 27.2#

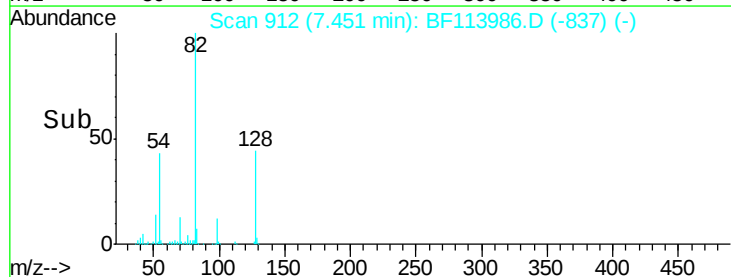
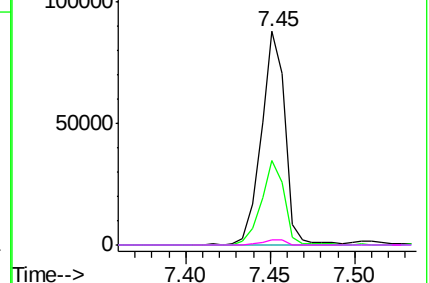


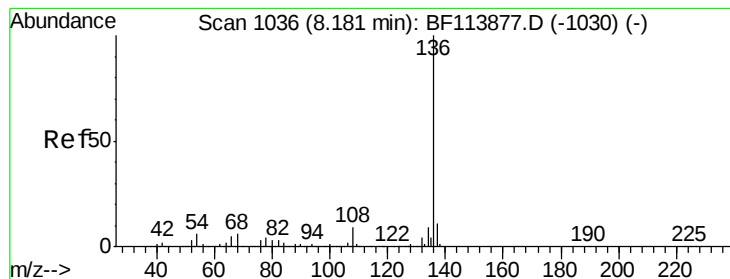
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113986.D

Acq: 25 Apr 2019 19:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 409570

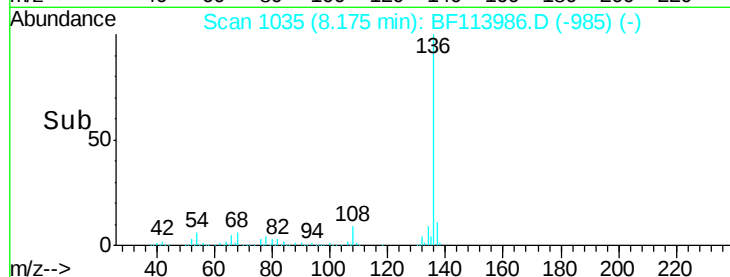
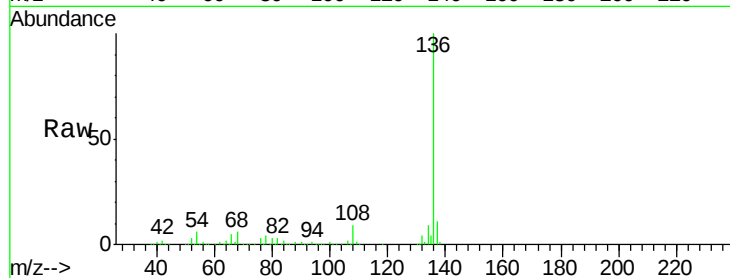
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.3 5.0 7.6

68 6.1 4.9 7.3

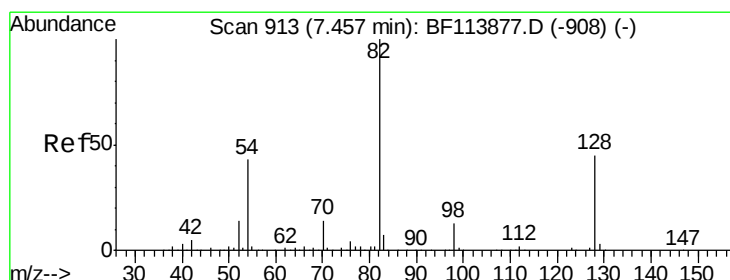
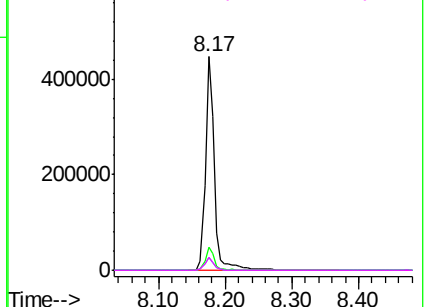


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.935 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

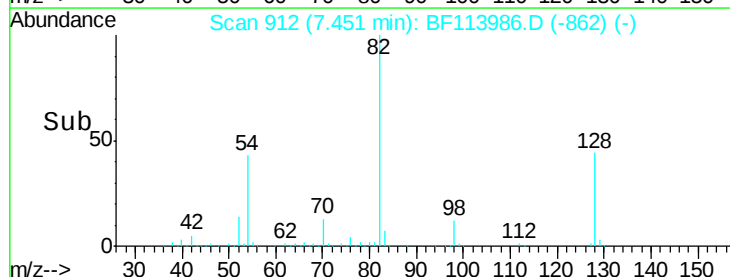
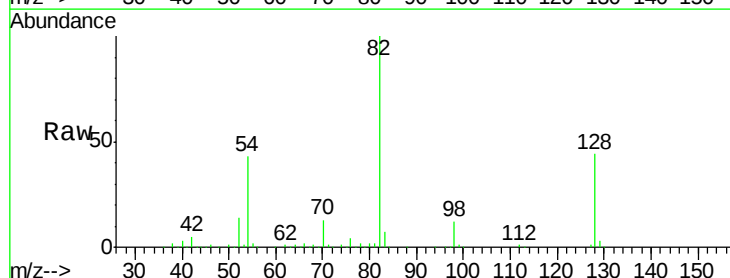
Tgt Ion: 82 Resp: 649642

Ion Ratio Lower Upper

82 100

128 44.5 36.8 55.2

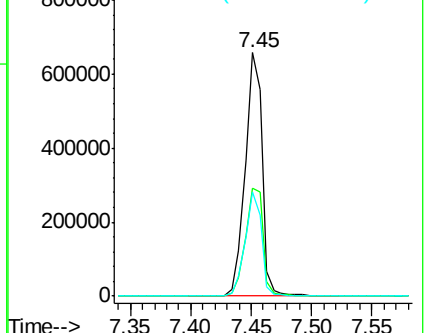
54 42.6 33.8 50.6



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: 47.860 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

Instrument :

BNA_F

ClientSampled :

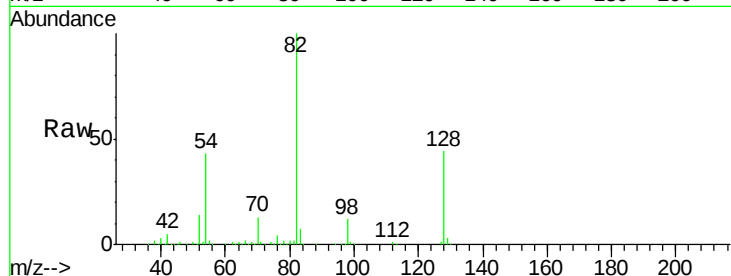
Tot Ion: 82 Resp: 649594

Ion Ratio Lower Upper

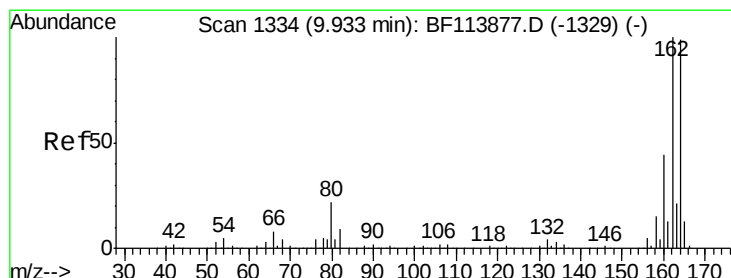
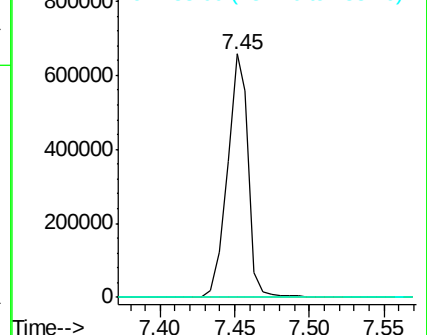
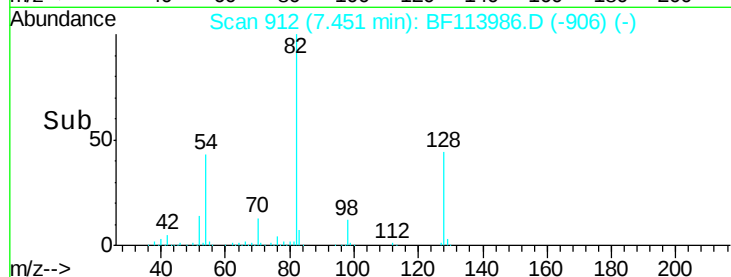
82 100

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# 1334

Delta R.T. 0.00 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

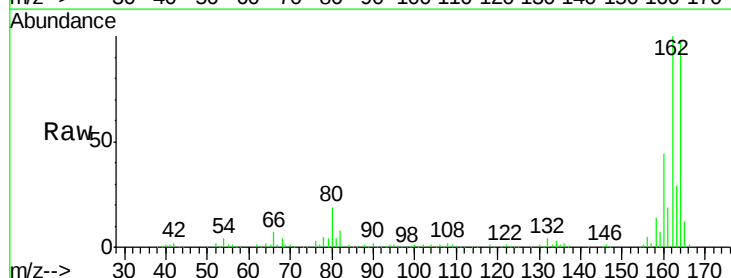
Tgt Ion: 164 Resp: 220535

Ion Ratio Lower Upper

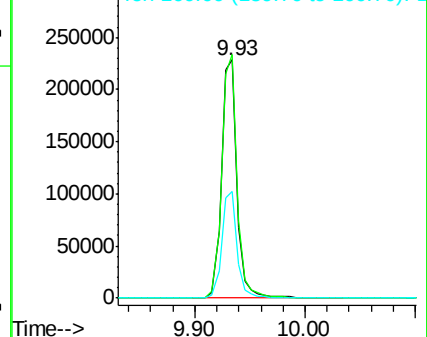
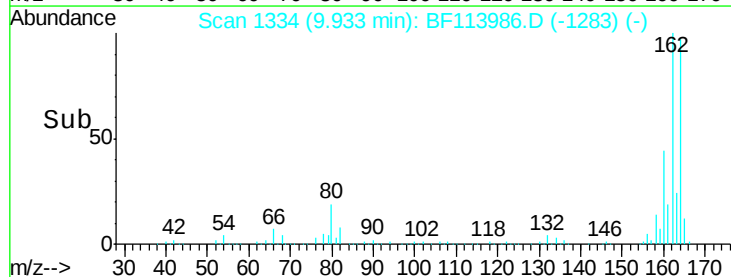
164 100

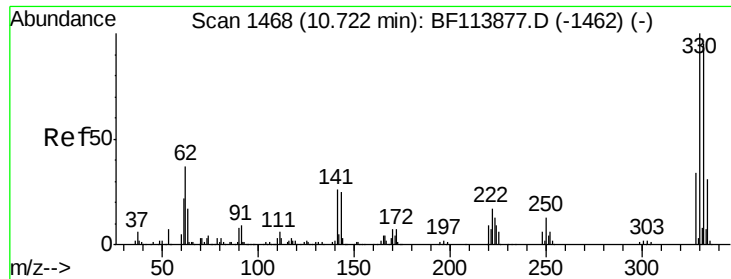
162 102.2 81.1 121.7

160 44.9 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

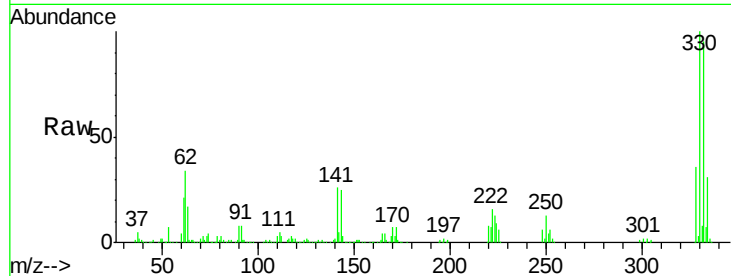




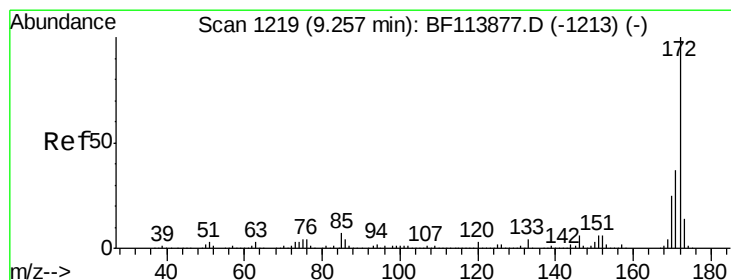
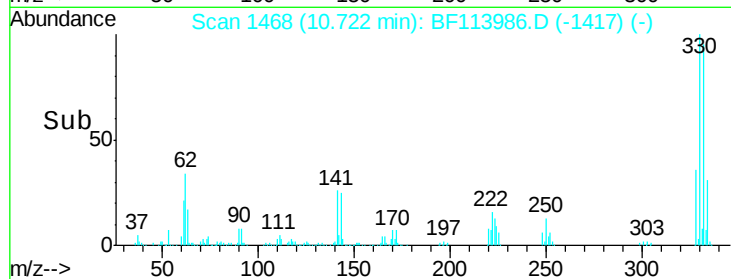
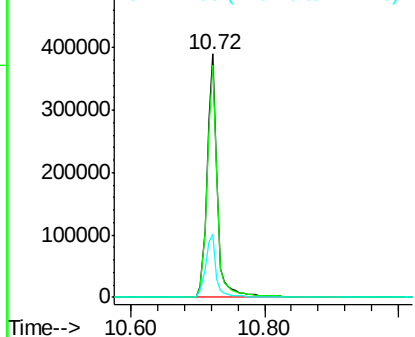
#42
 2,4,6-Tribromophenol
 Concen: 153.233 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF113986.D
 Acq: 25 Apr 2019 19:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 411672
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.5 116.3
 141 26.6 22.2 33.2

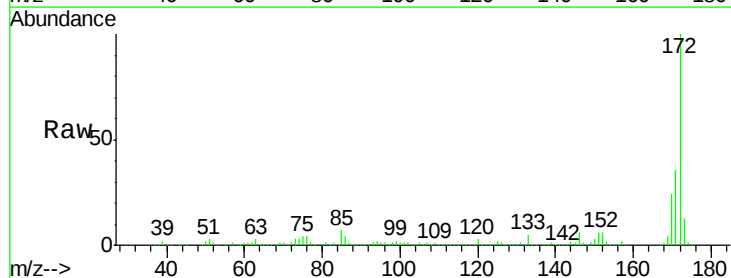


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

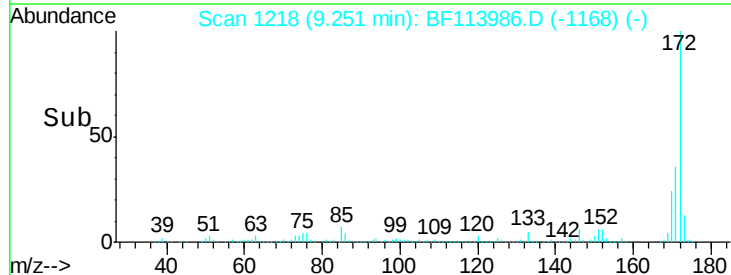
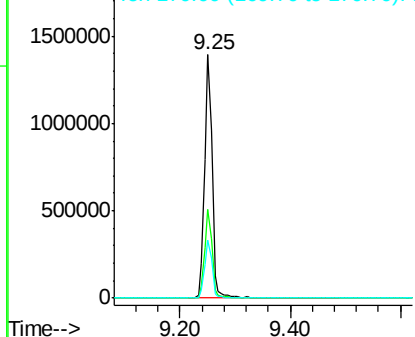


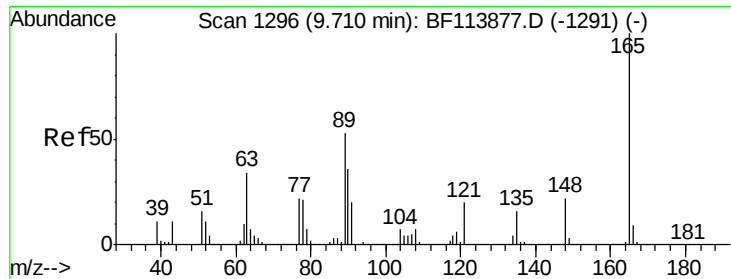
#45
 2-Fluorobiphenyl
 Concen: 92.203 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113986.D
 Acq: 25 Apr 2019 19:09

Tgt Ion:172 Resp: 1300106
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.0 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





#51

2,6-Dinitrotoluene

Concen: 8.235 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

Instrument :

BNA_F

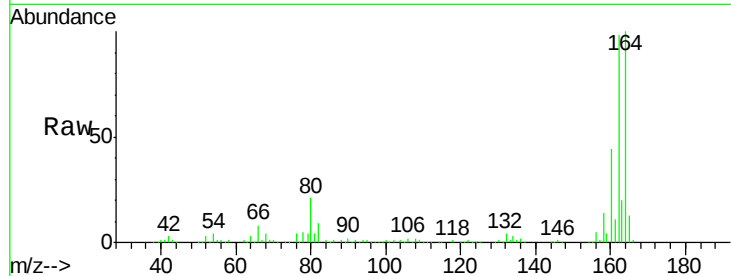
ClientSampleId :

Tot Ion:165 Resp: 28177
Ion Ratio Lower Upper

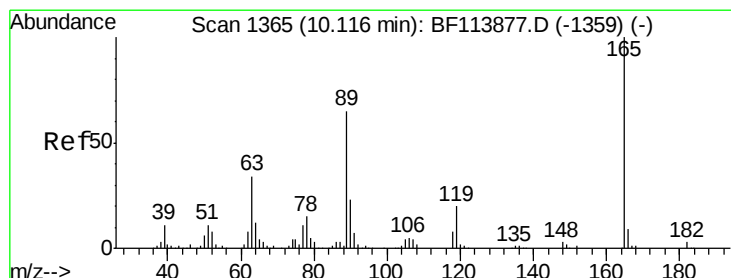
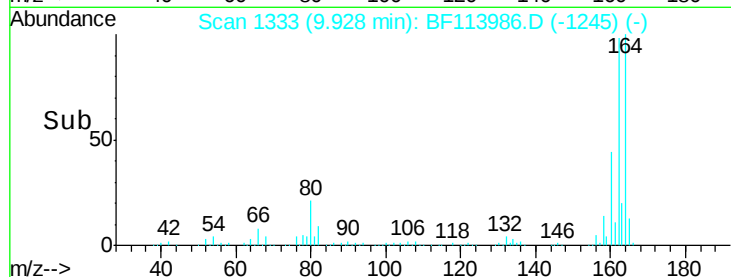
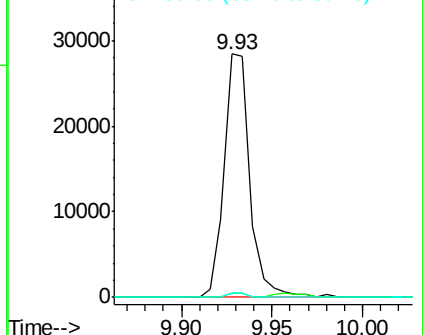
165 100

63 1.6 33.8 50.8#

89 1.6 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: 6.523 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

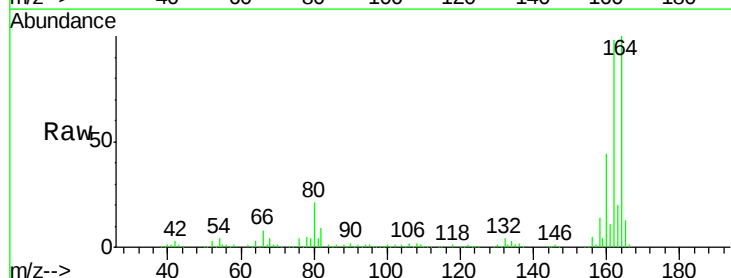
Tgt Ion:165 Resp: 28173
Ion Ratio Lower Upper

165 100

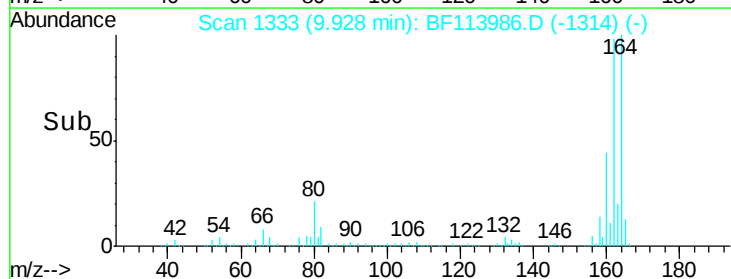
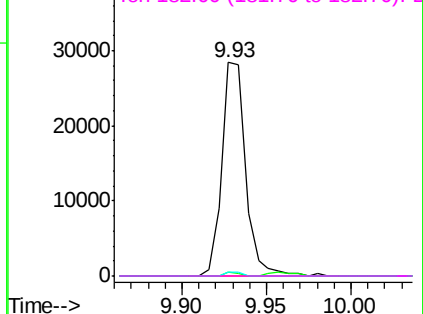
63 1.6 27.4 41.0#

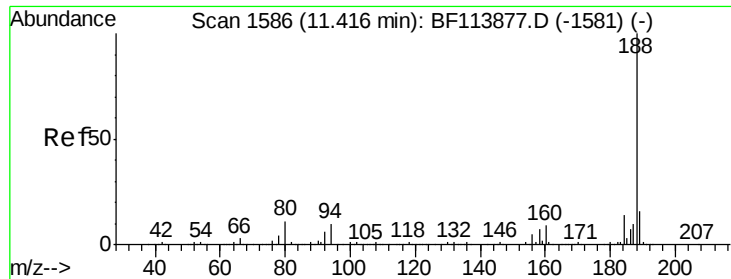
89 1.6 51.8 77.6#

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

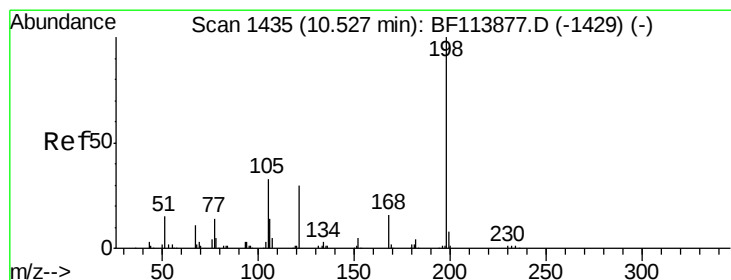
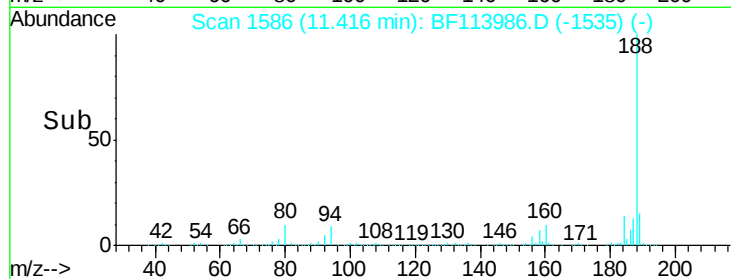
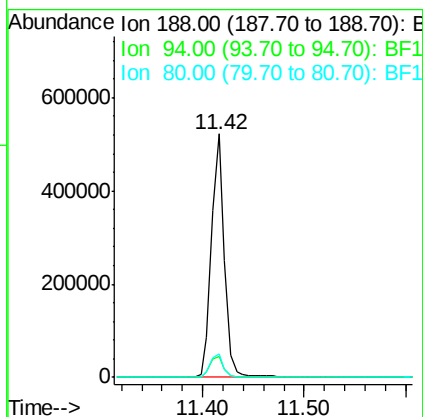
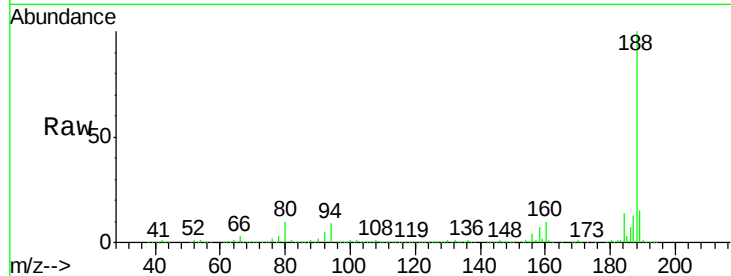




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113986.D
 Acq: 25 Apr 2019 19:09

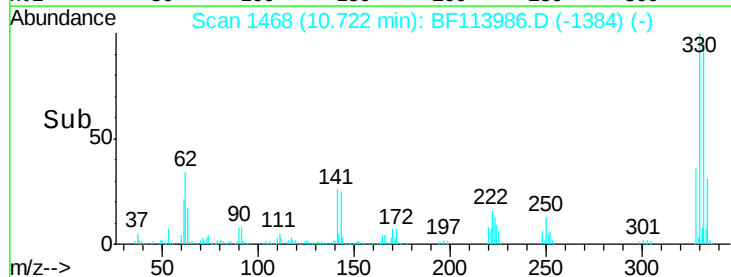
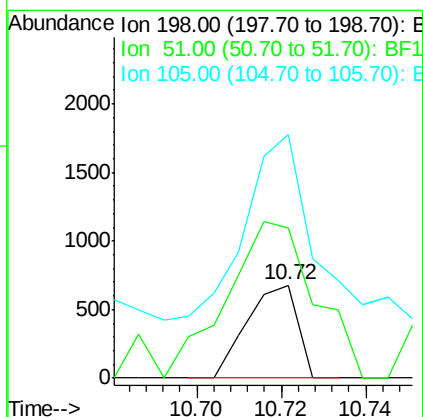
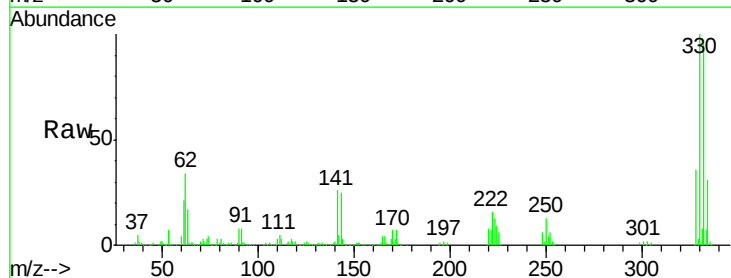
Instrument :
 BNA_F
 ClientSampleId :

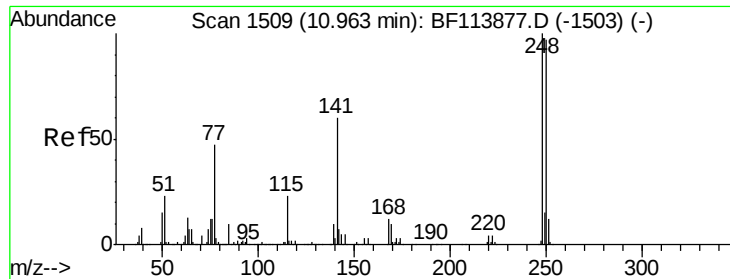
Tot Ion:188 Resp: 461521
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.4
 80 9.7 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.533 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF113986.D
 Acq: 25 Apr 2019 19:09

Tgt Ion:198 Resp: 562
 Ion Ratio Lower Upper
 198 100
 51 162.0 11.1 51.1#
 105 262.7 20.7 60.7#

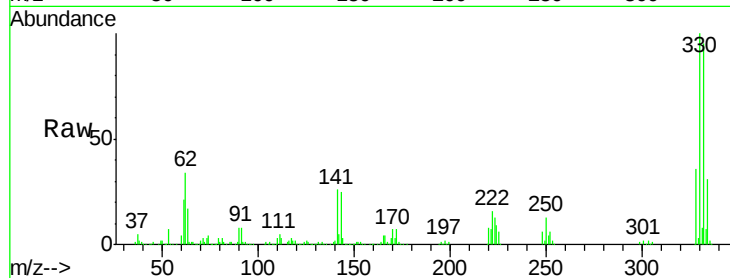




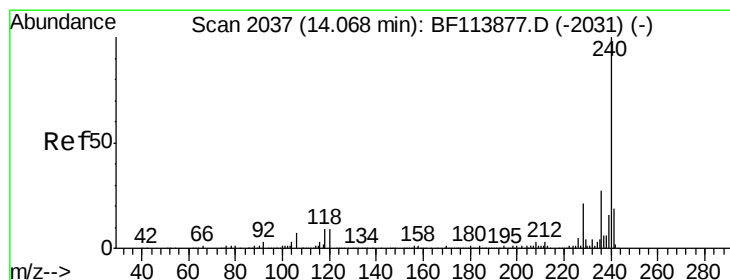
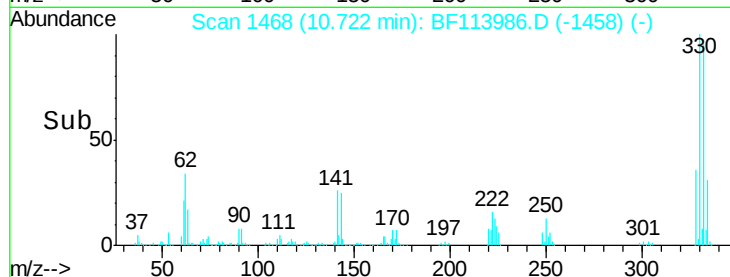
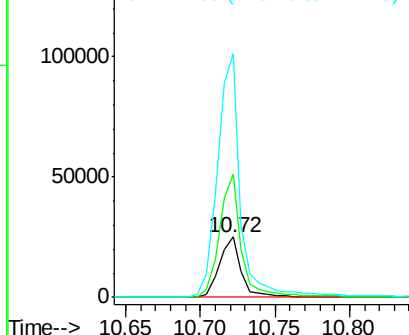
#67
4-Bromophenyl-phenylether
Concen: 4.612 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113986.D
Acq: 25 Apr 2019 19:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 25713
Ion Ratio Lower Upper
248 100
250 204.3 75.8 113.6#
141 404.4 50.2 75.4#

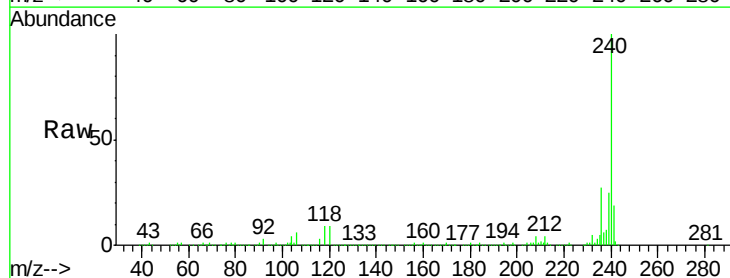


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

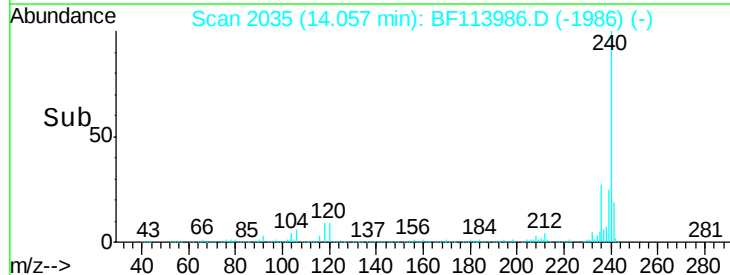
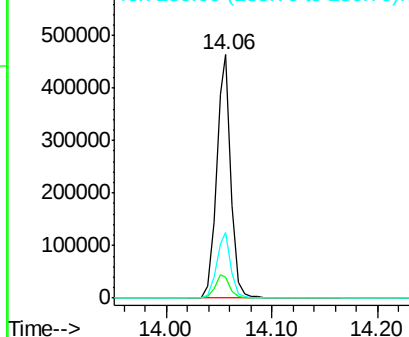


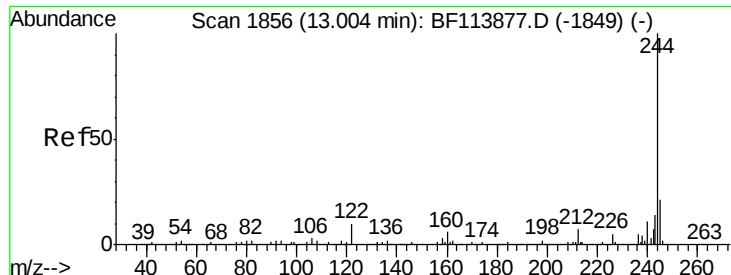
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113986.D
Acq: 25 Apr 2019 19:09

Tgt Ion:240 Resp: 442382
Ion Ratio Lower Upper
240 100
120 8.8 9.3 13.9#
236 26.9 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: 85.520 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF113986.D

Acq: 25 Apr 2019 19:09

Instrument :

BNA_F

ClientSampleId :

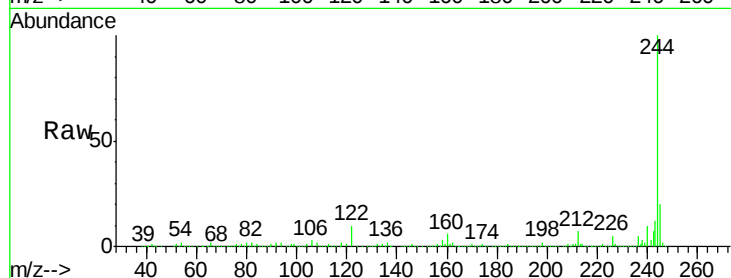
Tot Ion:244 Resp: 1845359

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

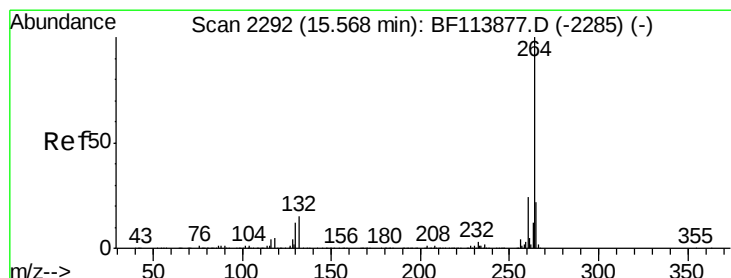
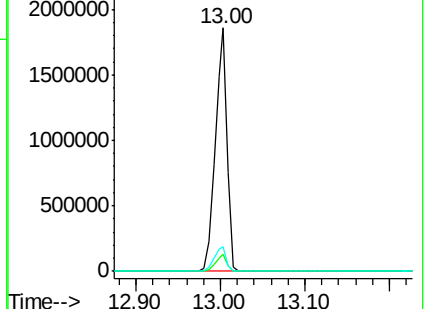
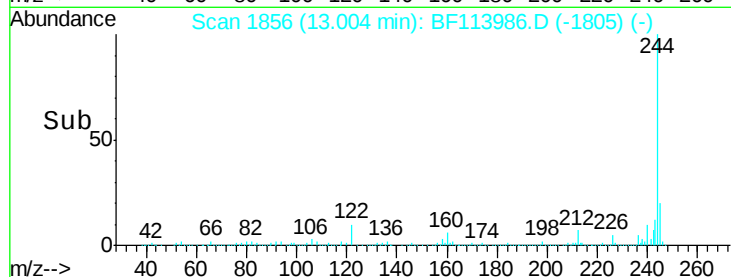
122 10.0 7.6 11.4



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: BF113986.D

Acq: 25 Apr 2019 19:09

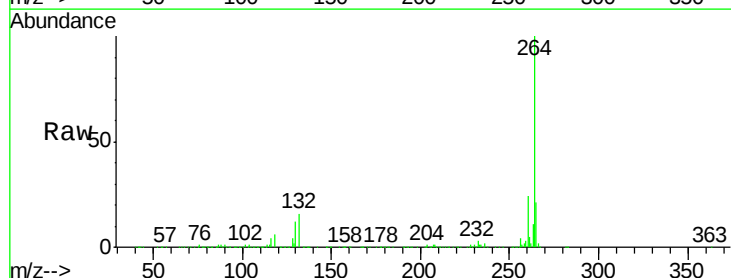
Tgt Ion:264 Resp: 461263

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 20.7 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

