

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\
 Data File : BF113584.D
 Acq On : 4 Apr 2019 15:36
 Operator : JU/SJ
 Sample : PB118322BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 01:31:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

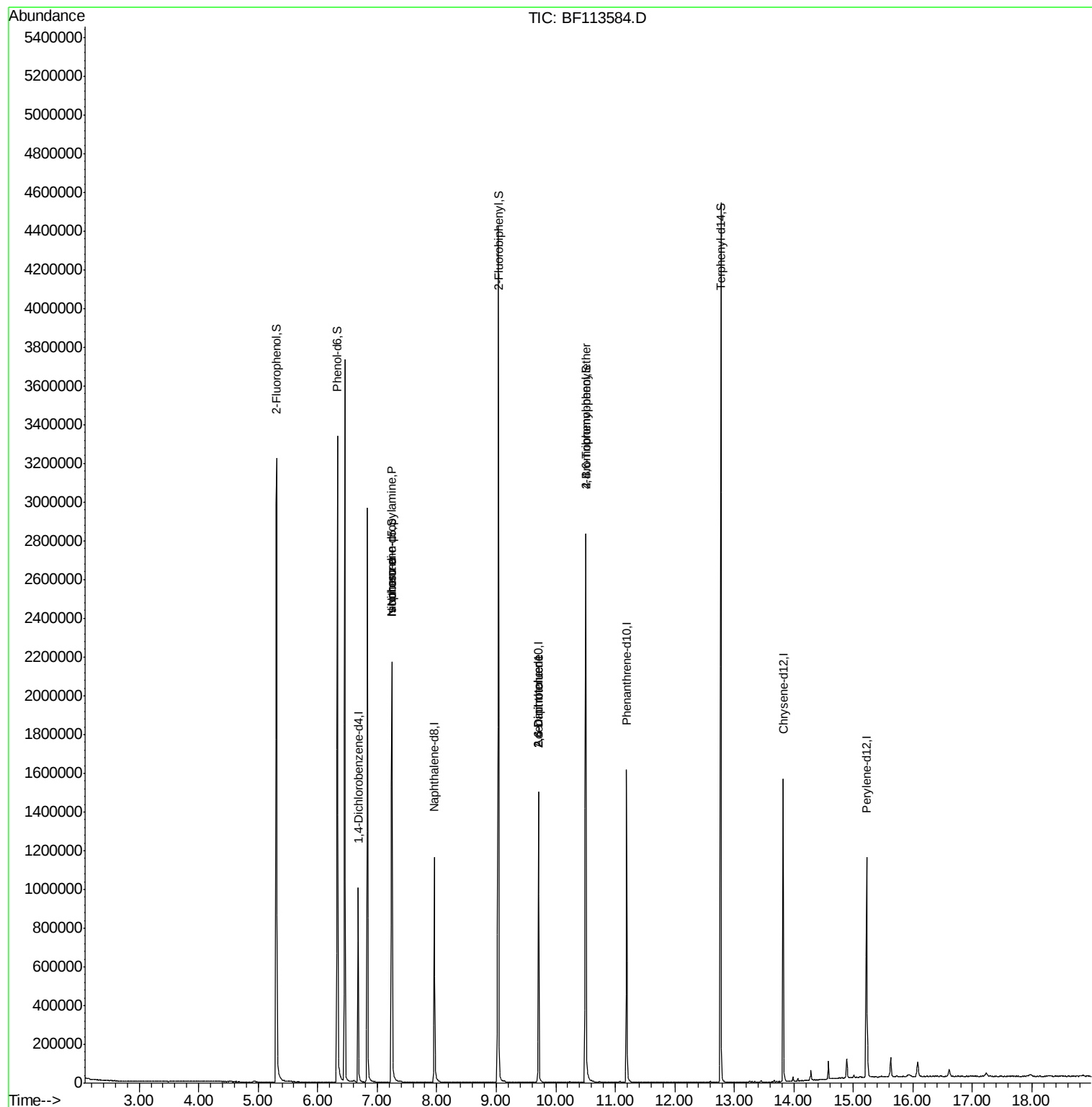
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	161585	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	606417	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	309880	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	668206	20.00	ng	-0.01
76) Chrysene-d12	13.82	240	614376	20.00	ng	-0.02
87) Perylene-d12	15.22	264	554562	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1066172	112.51	ng	0.01
7) Phenol-d6	6.33	99	1386979	118.76	ng	0.00
23) Nitrobenzene-d5	7.25	82	851278	82.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	461201	123.90	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	1636861	85.04	ng	-0.01
79) Terphenyl-d14	12.77	244	1937516	64.21	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	109433	15.195	ng	# 77
25) Isophorone	7.25	82	839202	42.079	ng	# 64
51) 2,6-Dinitrotoluene	9.71	165	38733	7.693	ng	# 26
57) 2,4-Dinitrotoluene	9.71	165	38733	6.361	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	25419	3.392	ng	# 1

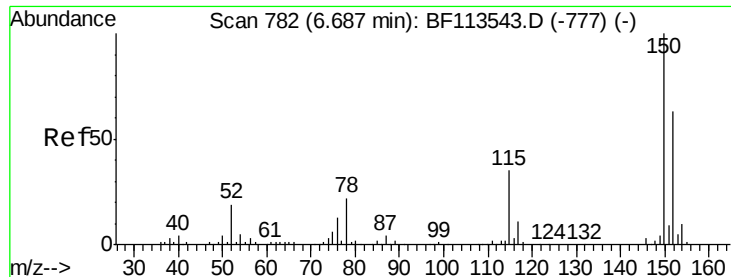
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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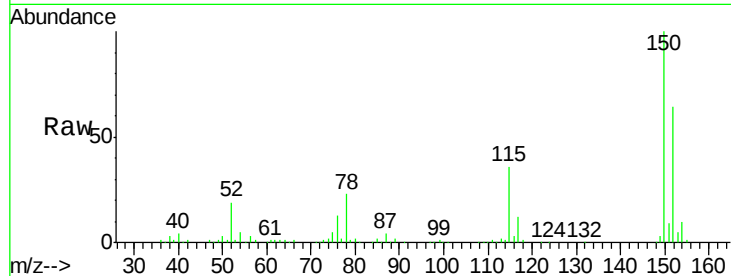


#1

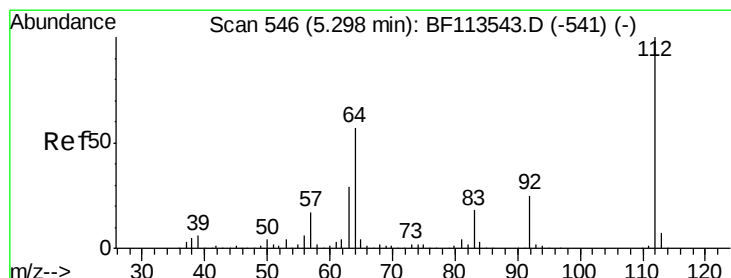
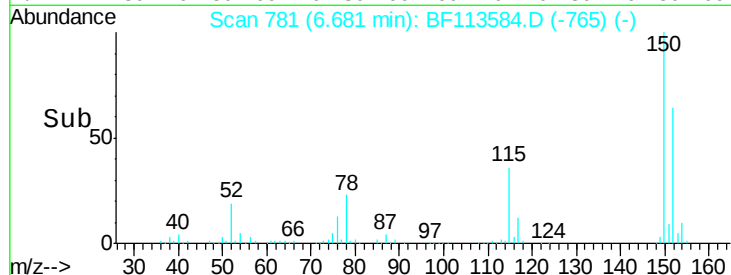
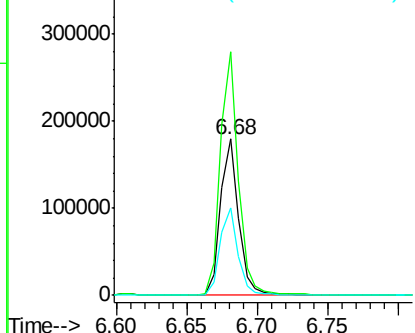
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113584.D
Acq: 4 Apr 2019 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161585
Ion Ratio Lower Upper
152 100
150 156.0 124.7 187.1
115 55.9 46.0 69.0



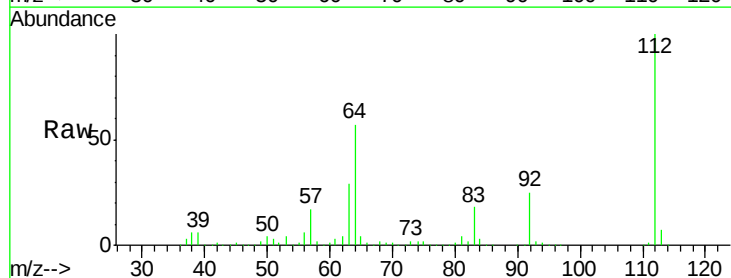
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



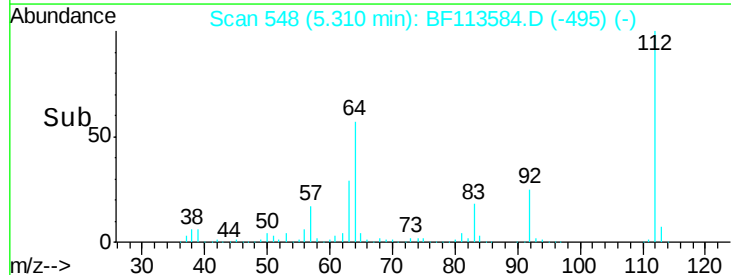
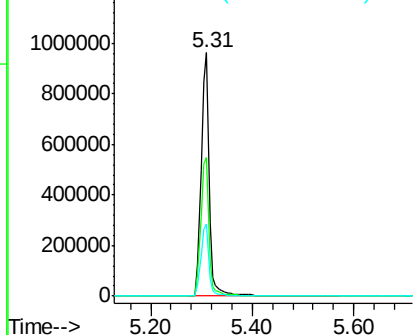
#5

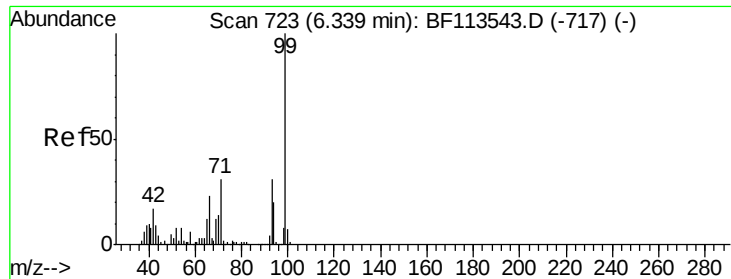
2-Fluorophenol
Concen: 112.515 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF113584.D
Acq: 4 Apr 2019 15:36

Tgt Ion:112 Resp: 1066172
Ion Ratio Lower Upper
112 100
64 57.2 49.2 73.8
63 29.4 24.9 37.3



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: 118.758 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

Instrument :

BNA_F

ClientSampleId :

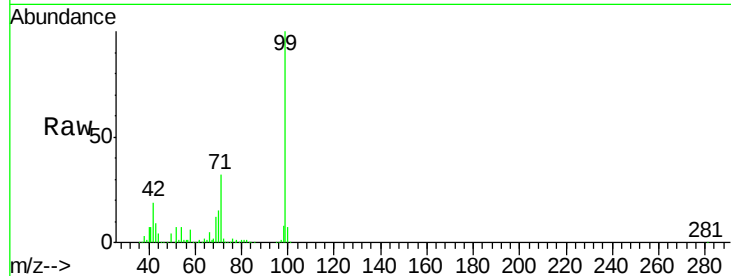
Tot Ion: 99 Resp: 1386979

Ion Ratio Lower Upper

99 100

42 18.6 14.8 22.2

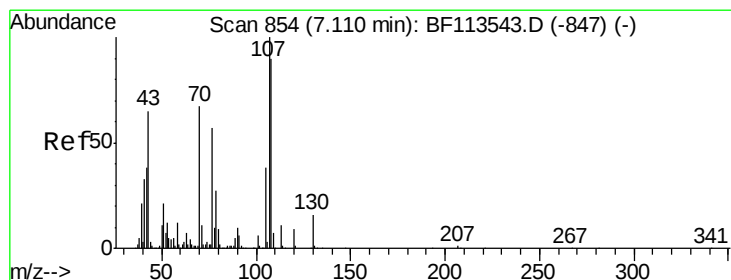
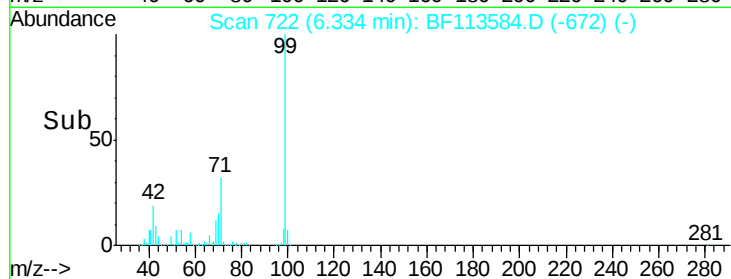
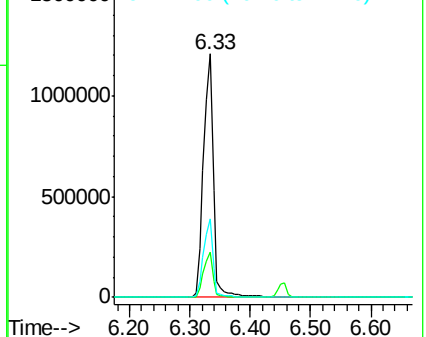
71 32.1 24.9 37.3



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: 15.195 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

Tgt Ion: 70 Resp: 109433

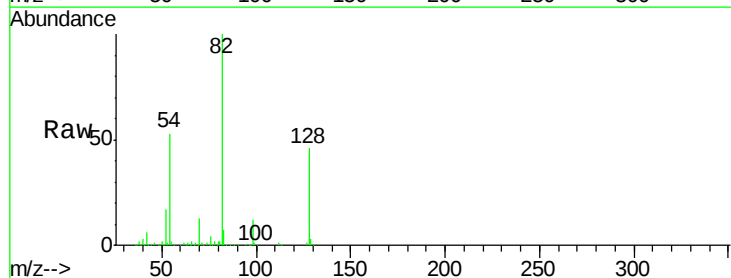
Ion Ratio Lower Upper

70 100

42 49.0 48.4 72.6

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

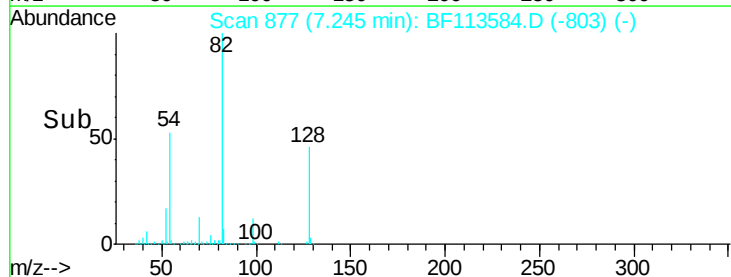
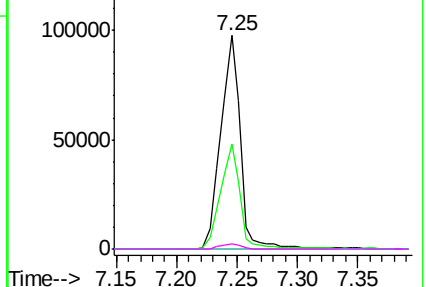


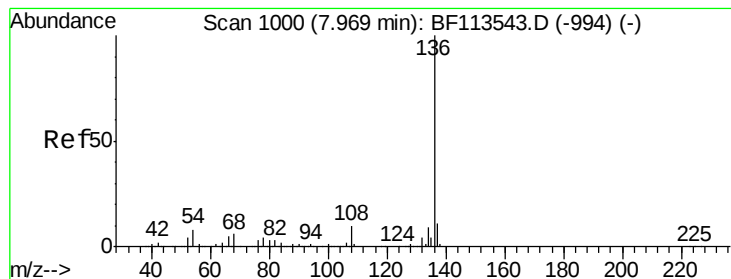
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 606417

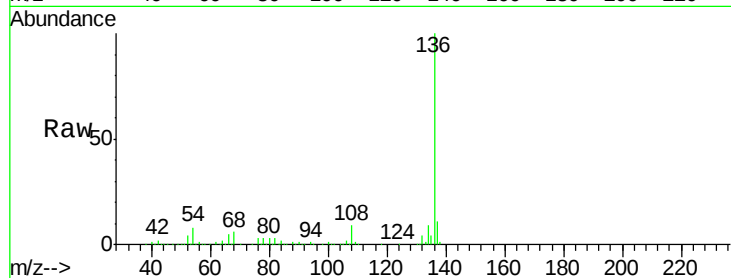
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 7.0 10.6

68 5.6 4.8 7.2

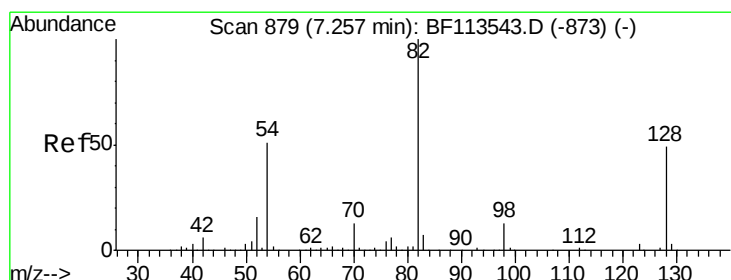
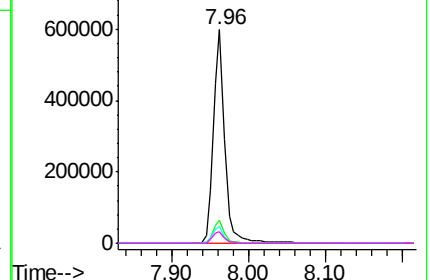
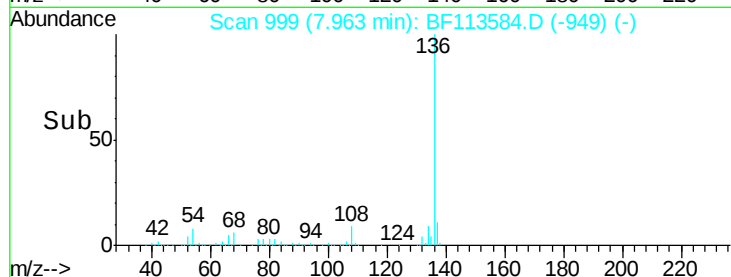


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.227 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

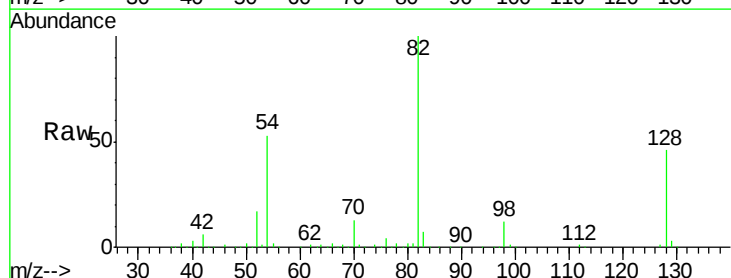
Tgt Ion: 82 Resp: 851278

Ion Ratio Lower Upper

82 100

128 46.2 36.5 54.7

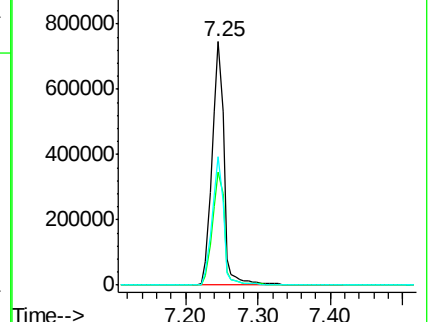
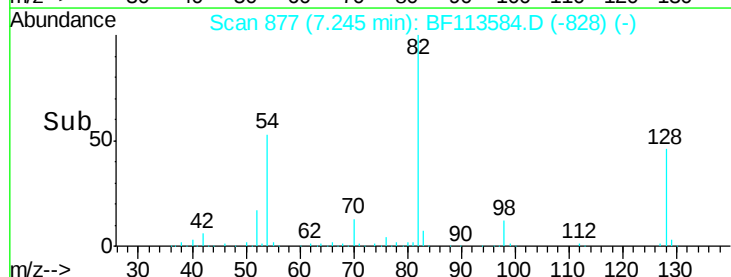
54 52.7 42.2 63.2

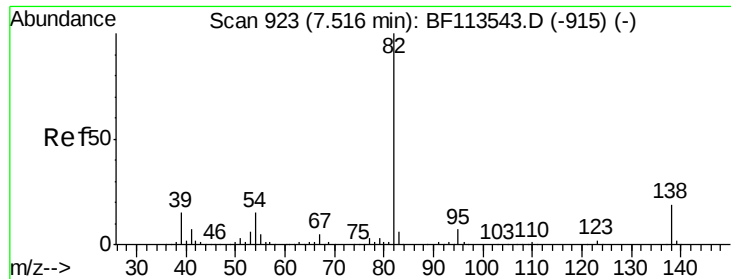


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.079 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

Instrument :

BNA_F

ClientSampled :

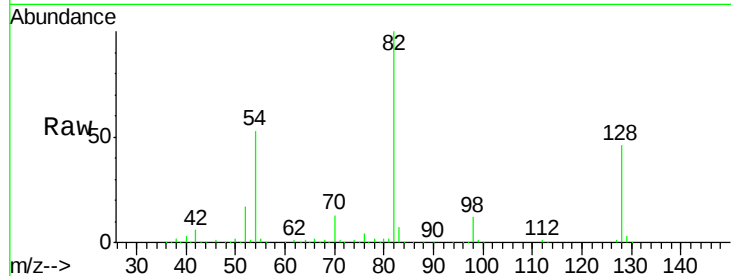
Tot Ion: 82 Resp: 839202

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

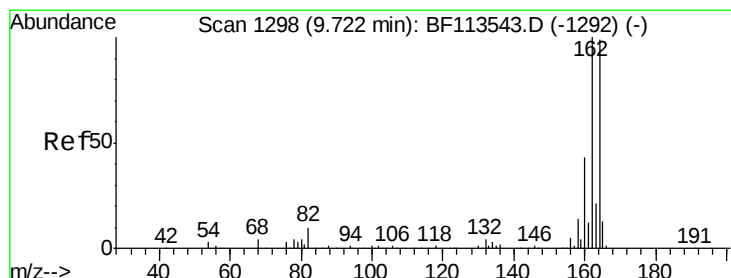
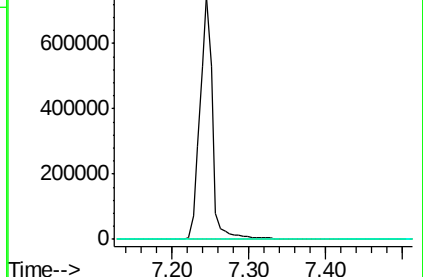
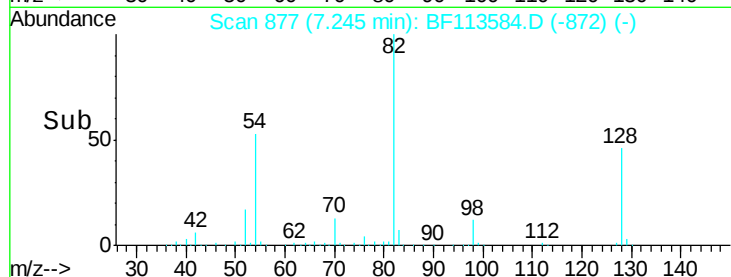
138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

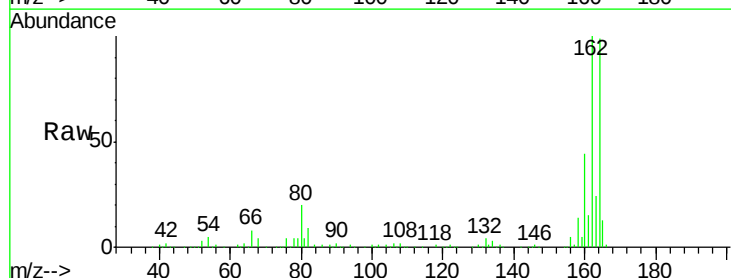
Tgt Ion:164 Resp: 309880

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

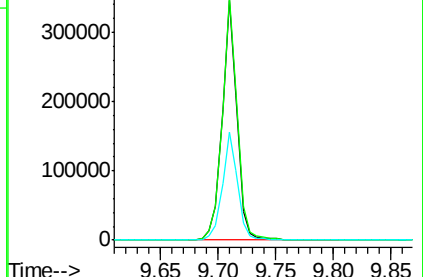
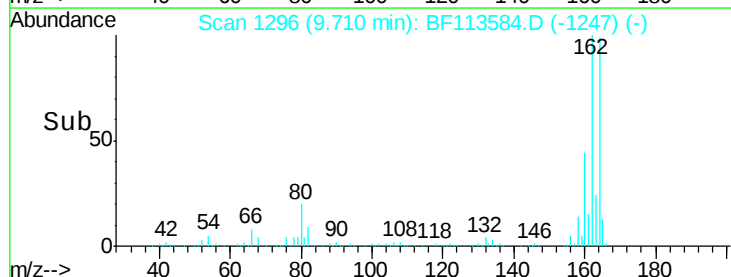
160 45.0 36.4 54.6

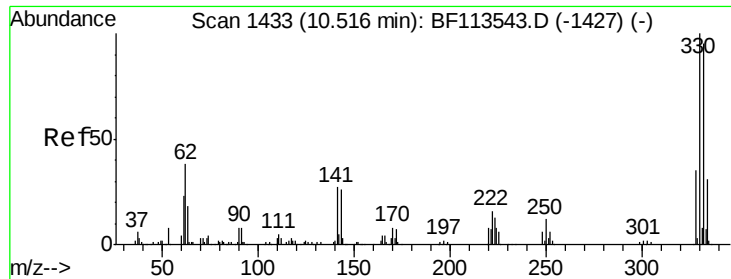


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

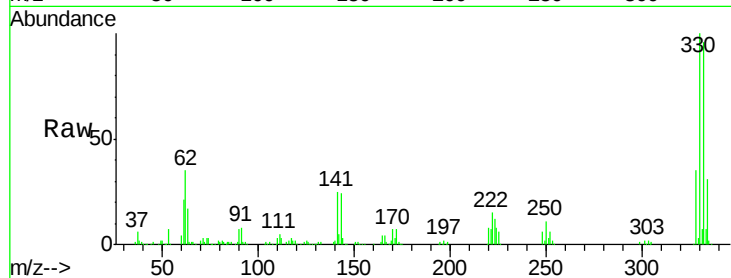




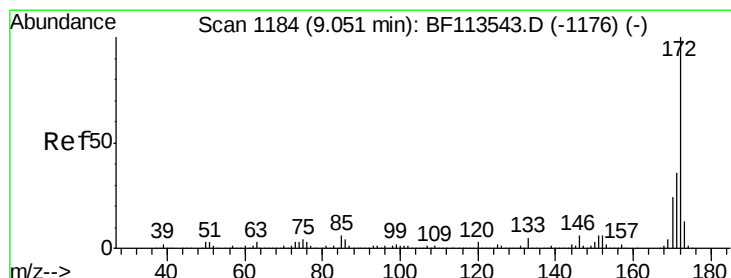
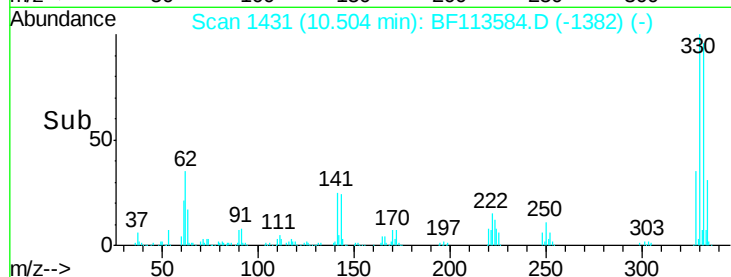
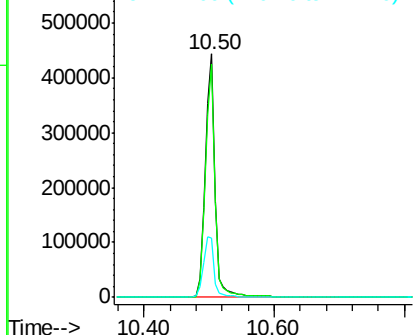
#42
 2,4,6-Tribromophenol
 Concen: 123.898 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113584.D
 Acq: 4 Apr 2019 15:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 461201
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.8 116.6
 141 27.3 22.7 34.1

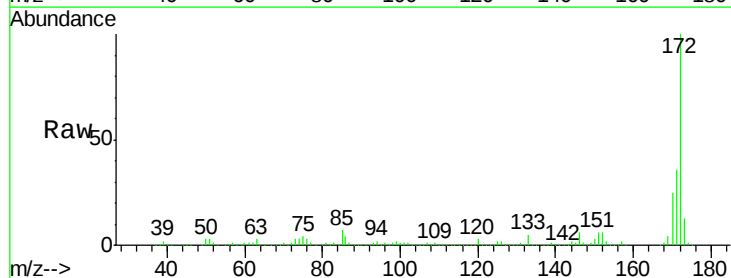


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

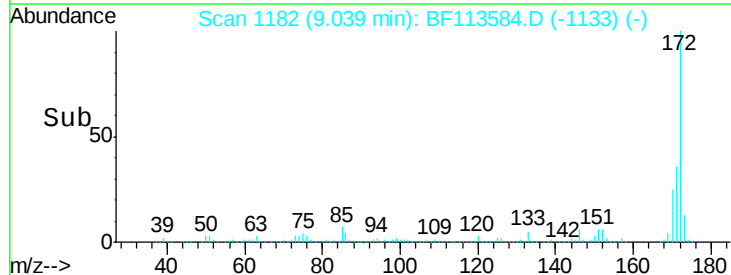
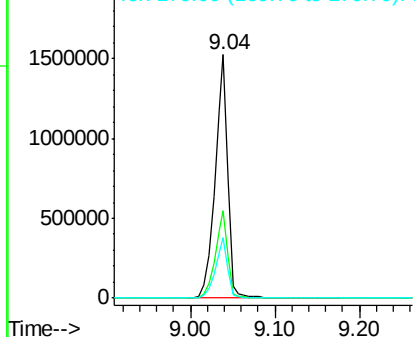


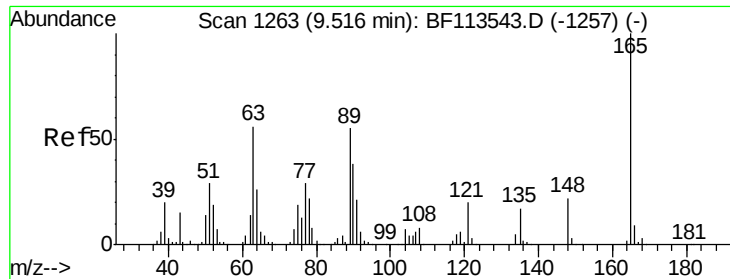
#45
 2-Fluorobiphenyl
 Concen: 85.038 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113584.D
 Acq: 4 Apr 2019 15:36

Tgt Ion:172 Resp: 1636861
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.8 19.5 29.3



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

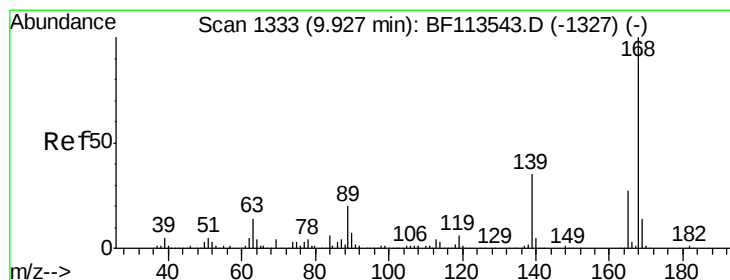
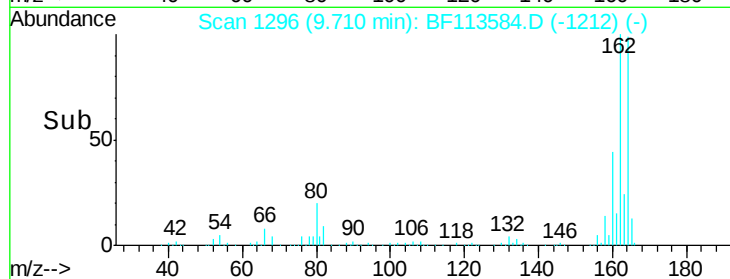
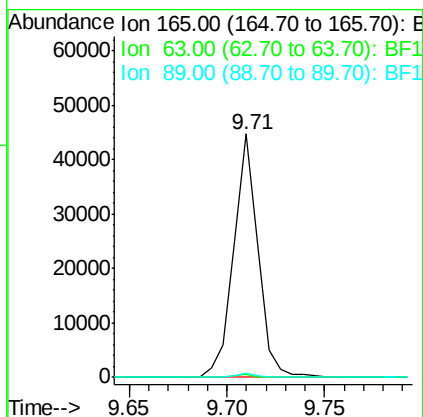
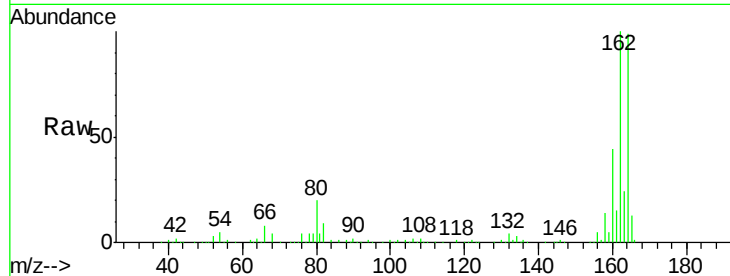




#51
 2,6-Dinitrotoluene
 Concen: 7.693 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. 0.19 min
 Lab File: BF113584.D
 Acq: 4 Apr 2019 15:36

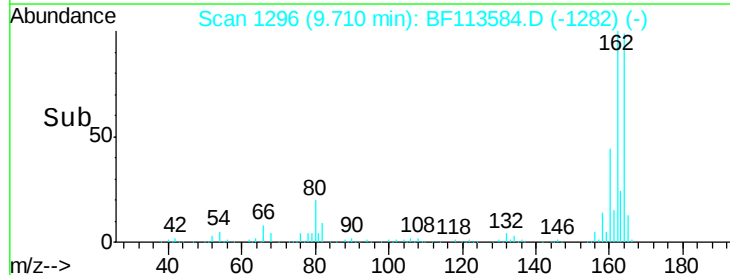
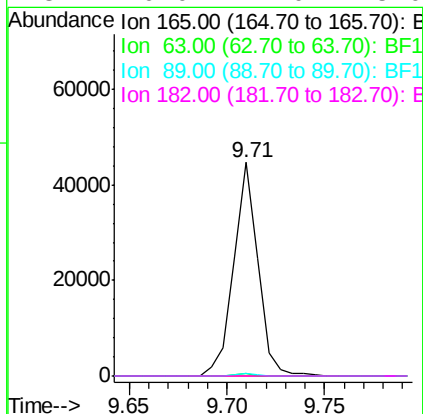
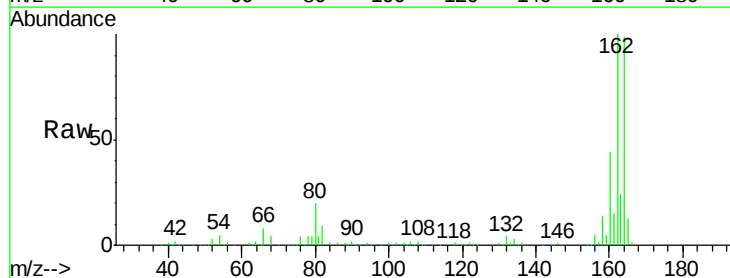
Instrument :
 BNA_F
 ClientSampleId :

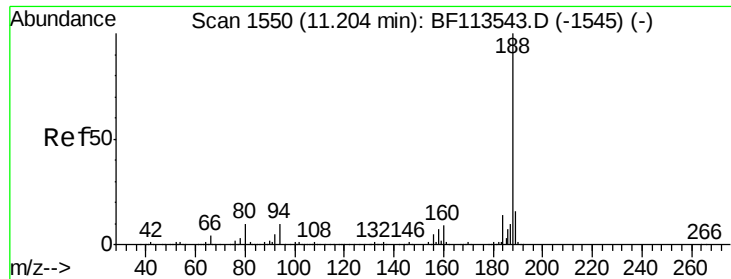
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.4	65.0#
89	1.5	43.1	64.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.361 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF113584.D
 Acq: 4 Apr 2019 15:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	37.5	56.3#
89	1.5	57.4	86.2#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

Instrument :

BNA_F

ClientSampleId :

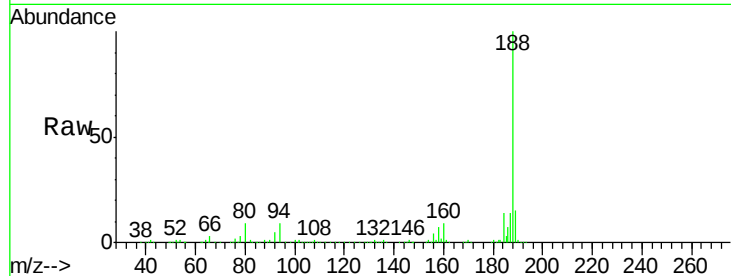
Tot Ion:188 Resp: 668206

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

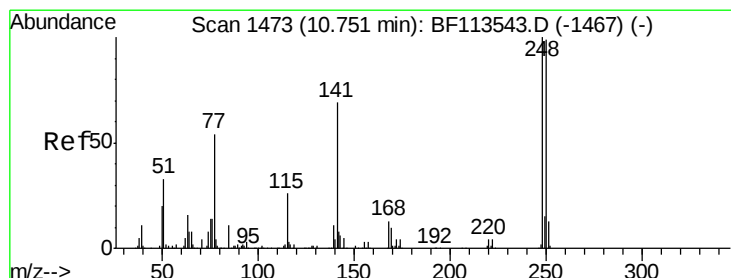
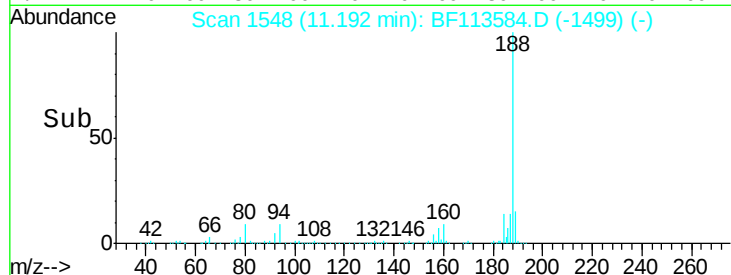
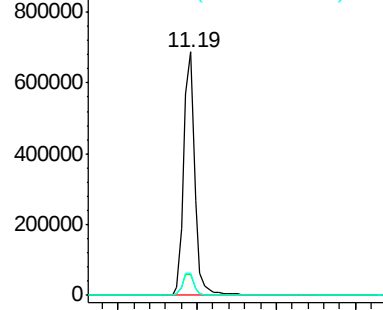
80 9.2 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.392 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.25 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

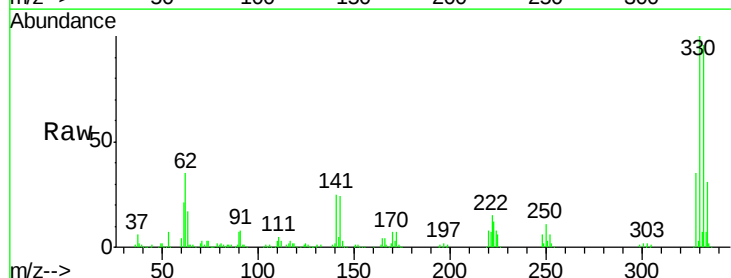
Tgt Ion:248 Resp: 25419

Ion Ratio Lower Upper

248 100

250 195.6 78.3 117.5#

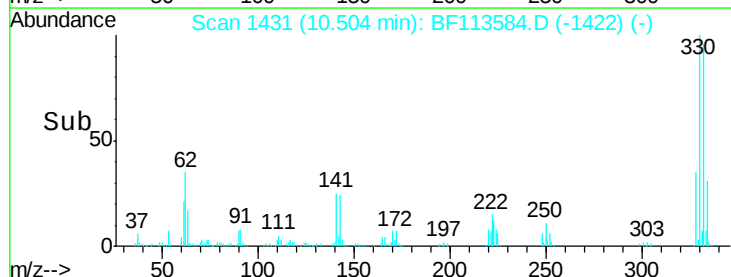
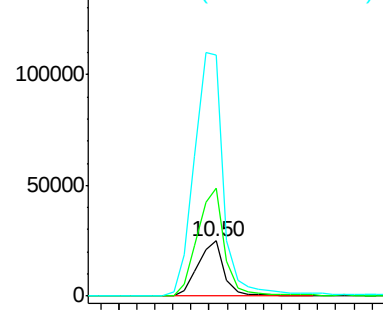
141 439.0 56.2 84.4#

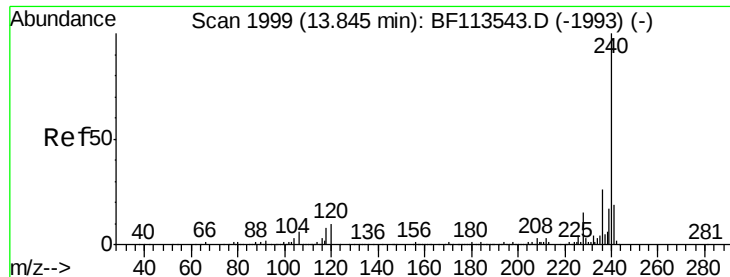


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

Instrument :

BNA_F

ClientSampleId :

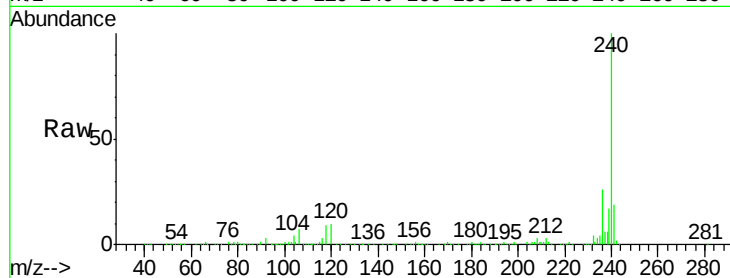
Tot Ion:240 Resp: 614376

Ion Ratio Lower Upper

240 100

120 10.0 8.8 13.2

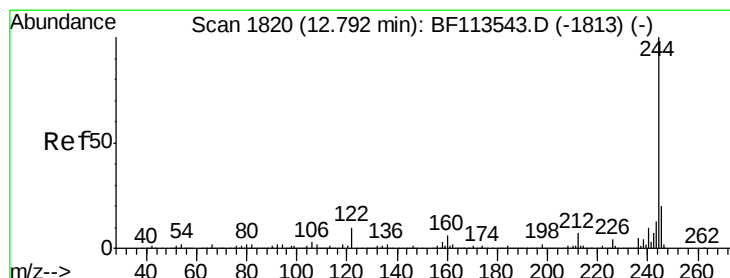
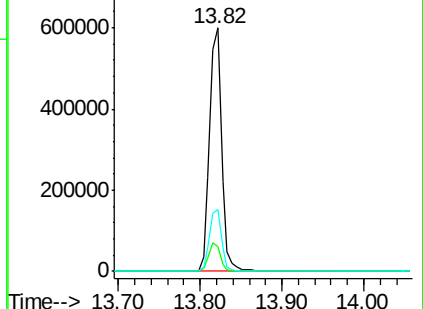
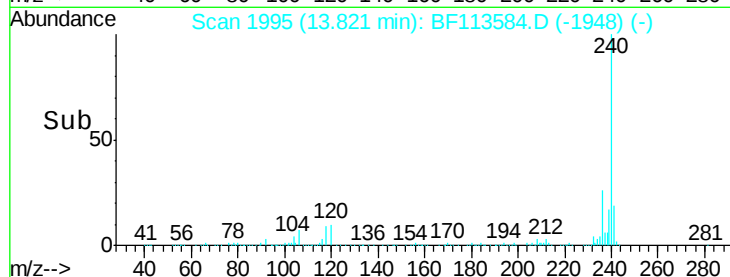
236 25.7 20.9 31.3



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: 64.208 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF113584.D

Acq: 4 Apr 2019 15:36

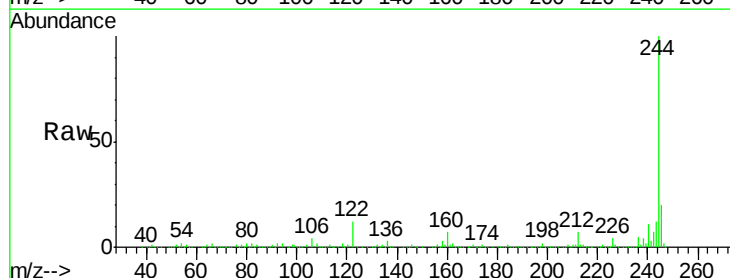
Tgt Ion:244 Resp: 1937516

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

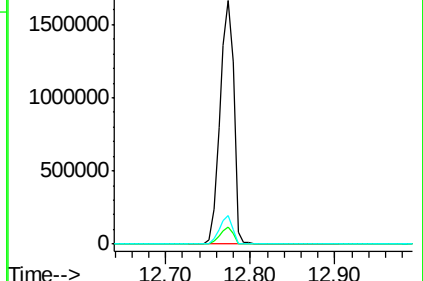
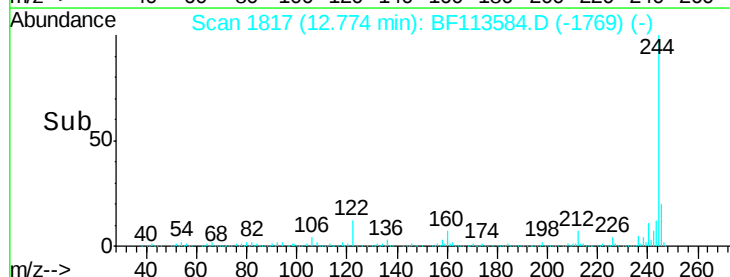
122 11.6 8.6 13.0

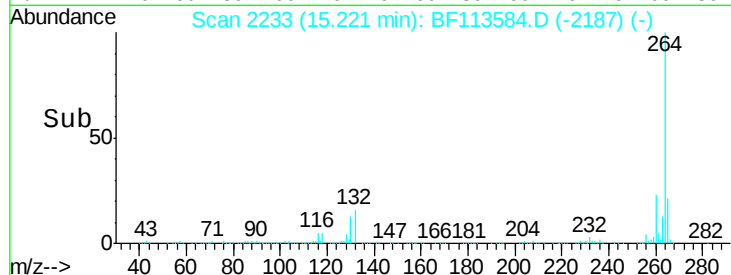
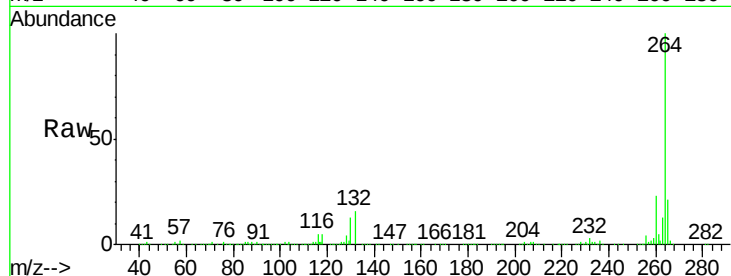
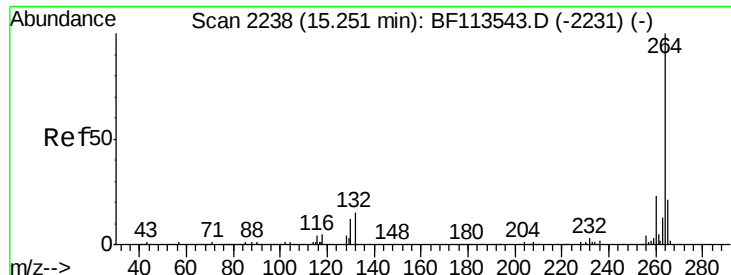


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 2233
 Delta R.T. -0.03 min
 Lab File: BF113584.D
 Acq: 4 Apr 2019 15:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264	Resp:	554562
Ion Ratio	Lower	Upper
264	100	
260	23.3	19.1 28.7
265	21.4	17.1 25.7

