

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041519\
 Data File : BF113769.D
 Acq On : 15 Apr 2019 18:09
 Operator : JU/SJ
 Sample : K2407-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 15 23:08:43 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

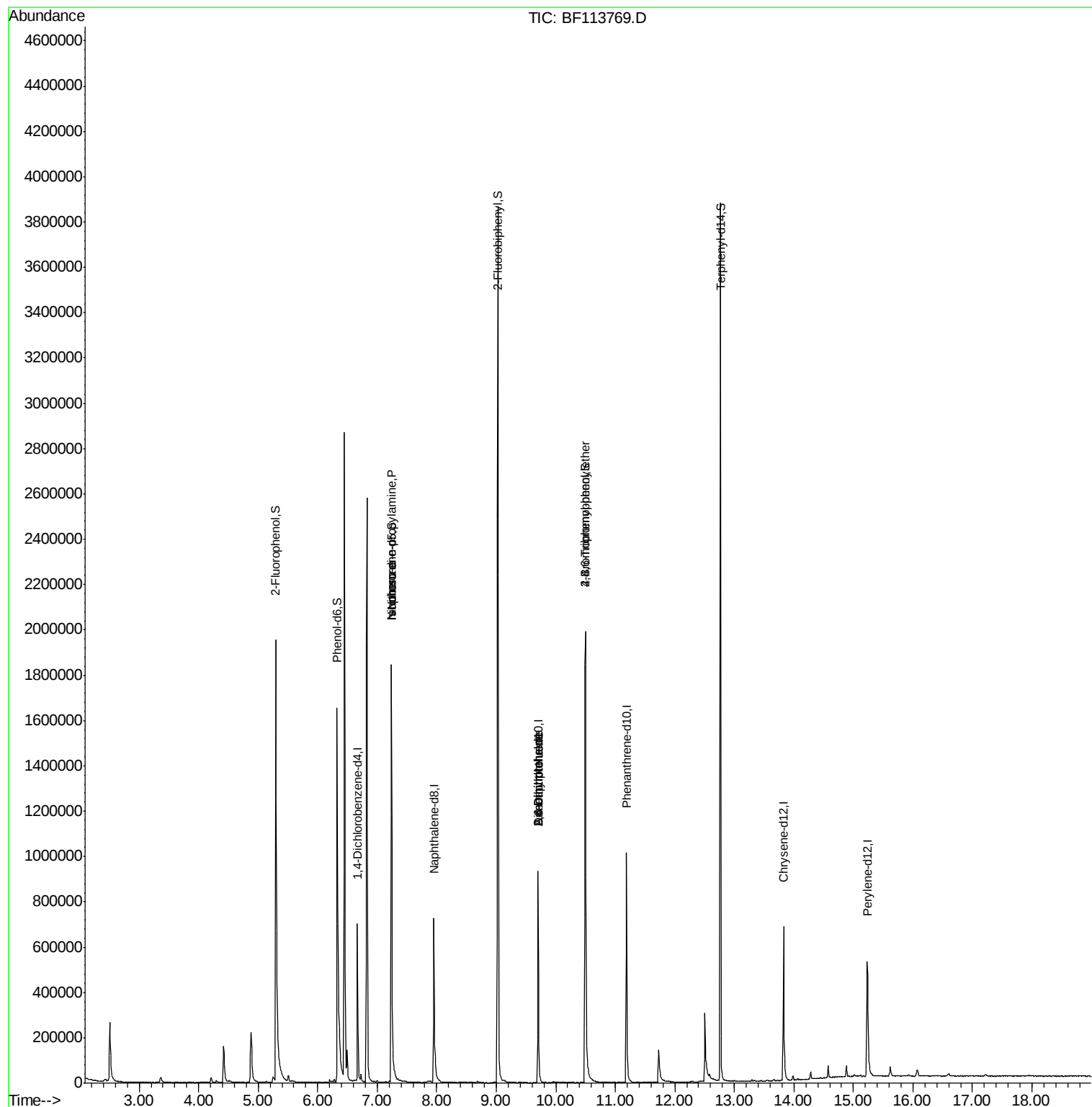
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	118512	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	442624	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	216020	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	447349	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	310896	20.00	ng	-0.02
87) Perylene-d12	15.23	264	296007	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	813286	117.02	ng	0.00
7) Phenol-d6	6.33	99	950696	110.99	ng	-0.01
23) Nitrobenzene-d5	7.24	82	699185	92.53	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	369026	142.21	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1306504	97.37	ng	-0.02
79) Terphenyl-d14	12.77	244	1489977	97.58	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	89473	16.939	ng	# 78
25) Isophorone	7.24	82	699180	48.032	ng	# 64
50) Dimethylphthalate	9.70	163	49338	3.098	ng	# 1
51) 2,6-Dinitrotoluene	9.70	165	27333	7.787	ng	# 27
57) 2,4-Dinitrotoluene	9.70	165	27333	6.439	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	20604	4.107	ng	# 1

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

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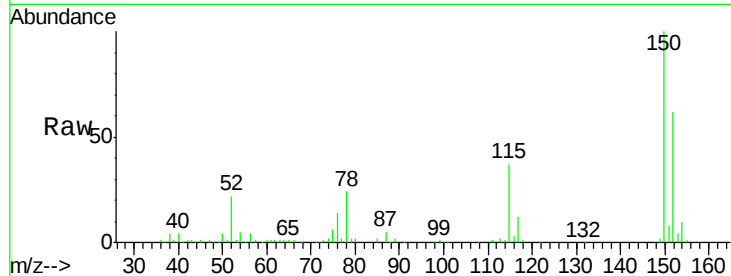


#1

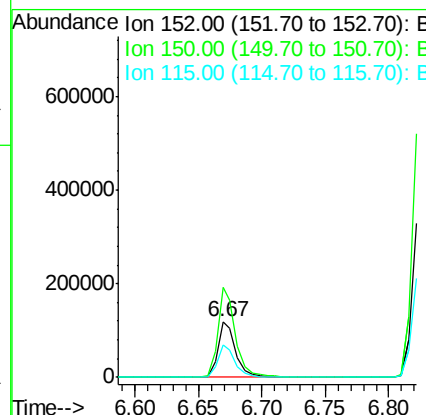
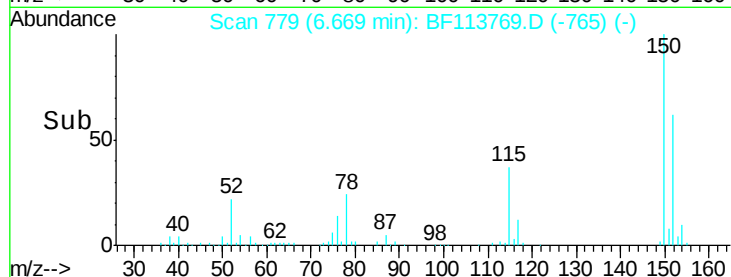
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113769.D
Acq: 15 Apr 2019 18:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118512
Ion Ratio Lower Upper
152 100
150 160.0 124.7 187.1
115 58.7 46.0 69.0



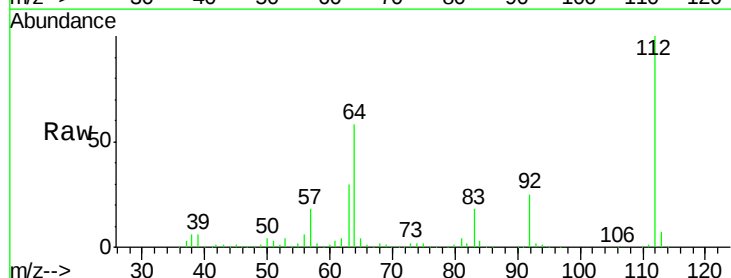
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



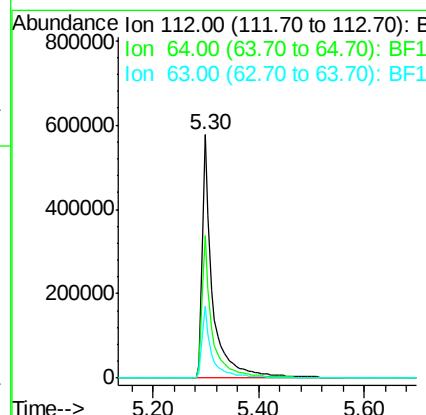
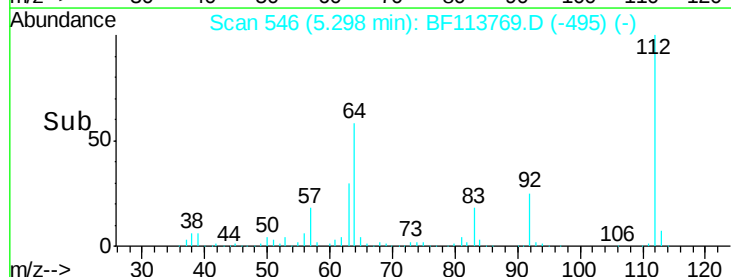
#5

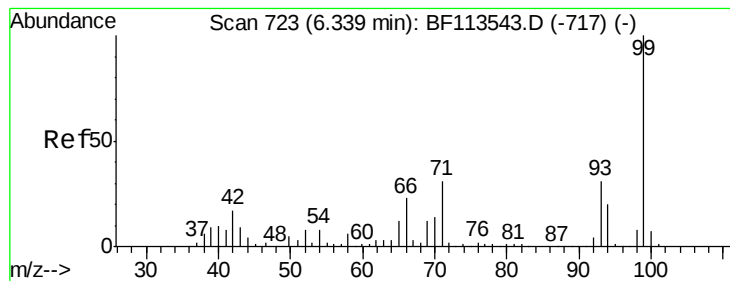
2-Fluorophenol
Concen: 117.021 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113769.D
Acq: 15 Apr 2019 18:09

Tgt Ion:112 Resp: 813286
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 29.8 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: 110.987 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Instrument :

BNA_F

ClientSampleId :

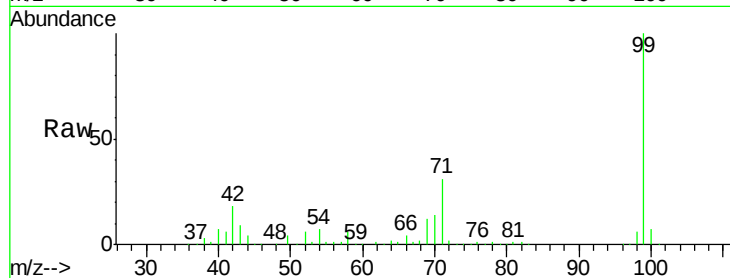
Tot Ion: 99 Resp: 950696

Ion Ratio Lower Upper

99 100

42 18.1 14.8 22.2

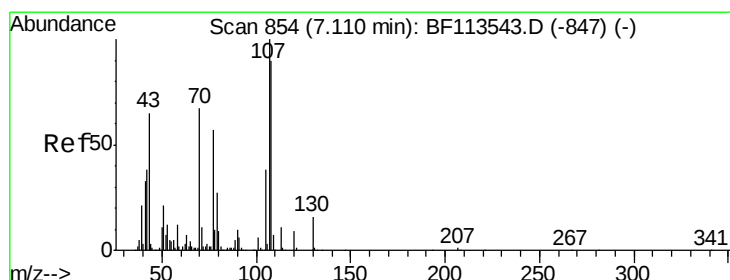
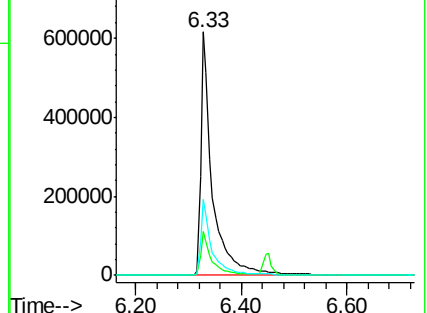
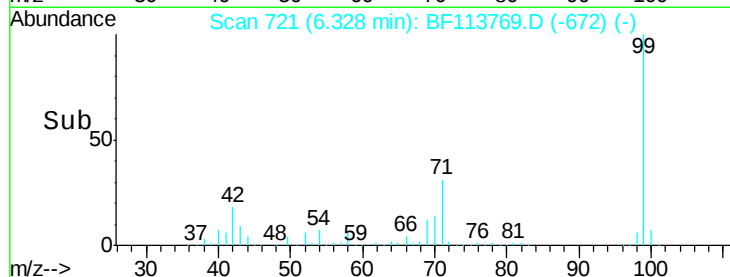
71 31.4 24.9 37.3



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: 16.939 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Tgt Ion: 70 Resp: 89473

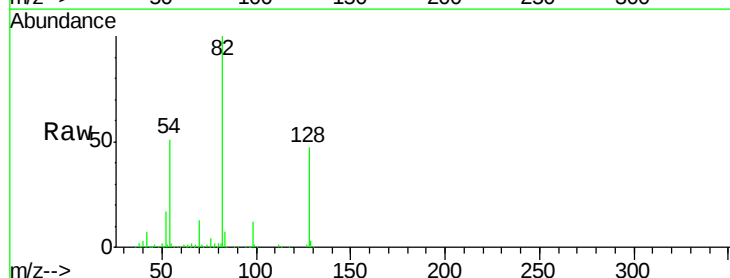
Ion Ratio Lower Upper

70 100

42 50.7 48.4 72.6

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

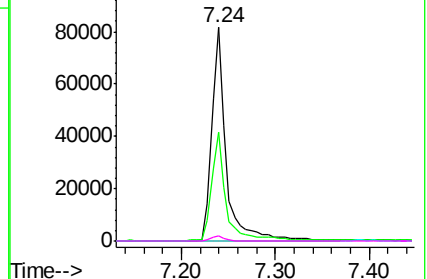
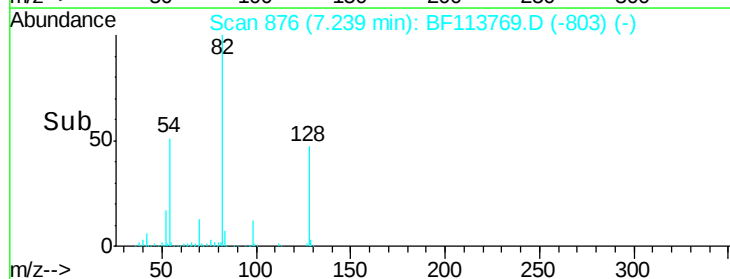


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 442624

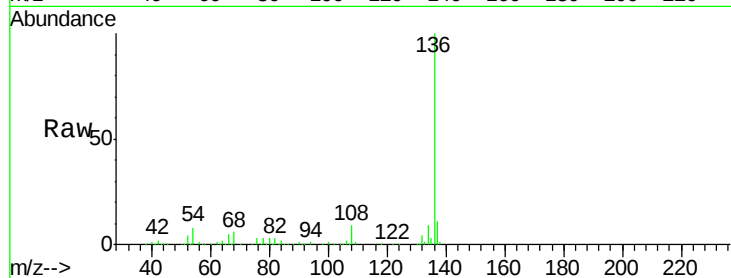
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.2 7.0 10.6

68 6.0 4.8 7.2

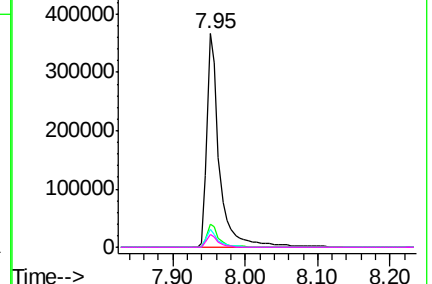
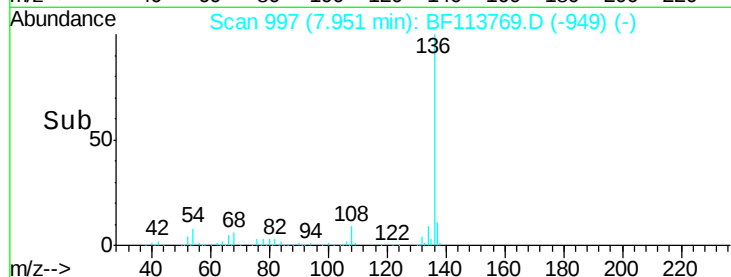


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.528 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

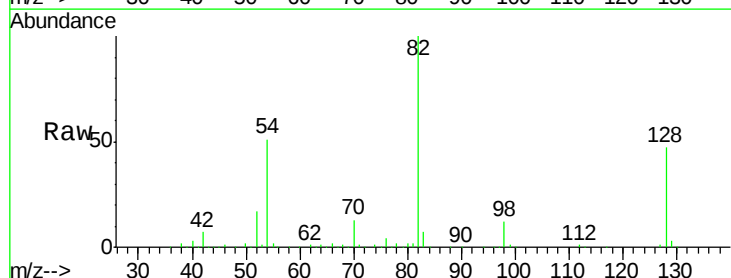
Tgt Ion: 82 Resp: 699185

Ion Ratio Lower Upper

82 100

128 46.7 36.5 54.7

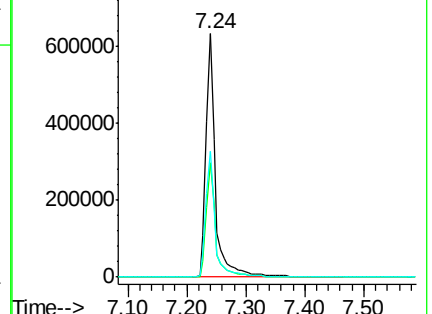
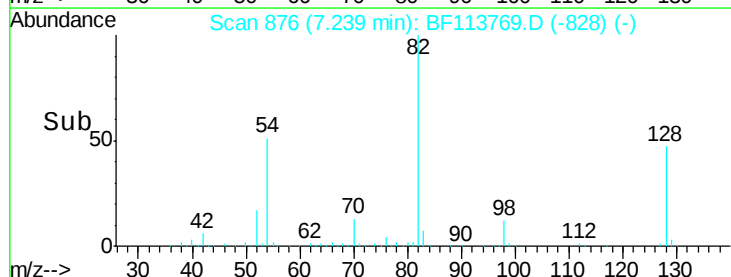
54 51.4 42.2 63.2

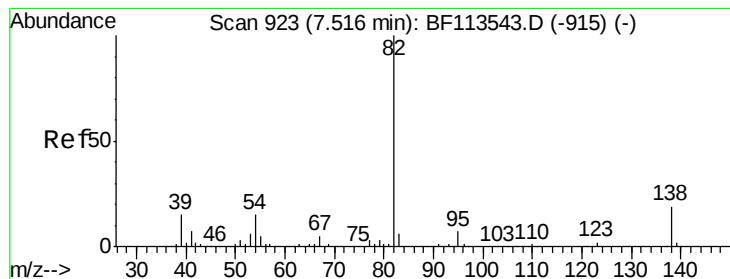


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.032 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Instrument :

BNA_F

ClientSampled :

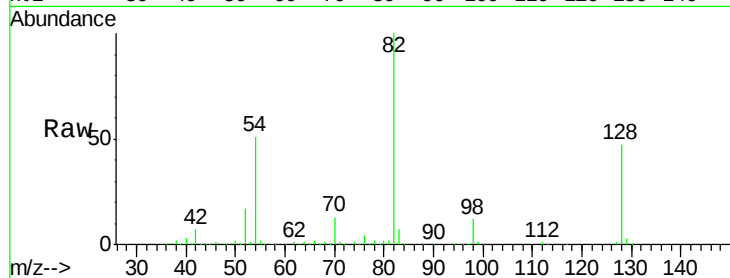
Tot Ion: 82 Resp: 699180

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

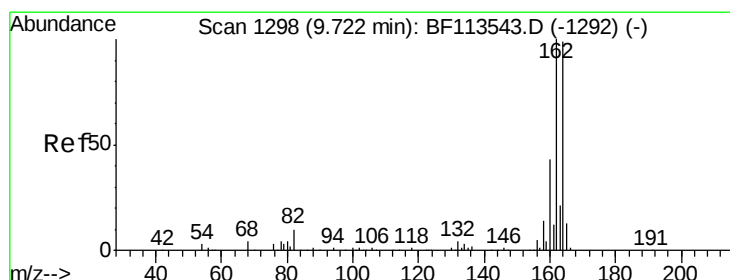
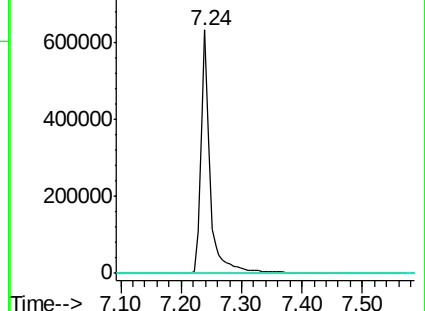
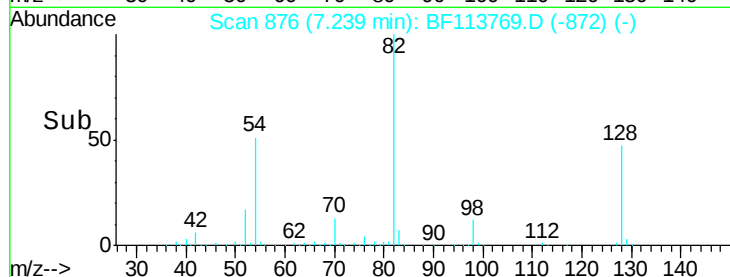
138 0.0 15.2 22.8#



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: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

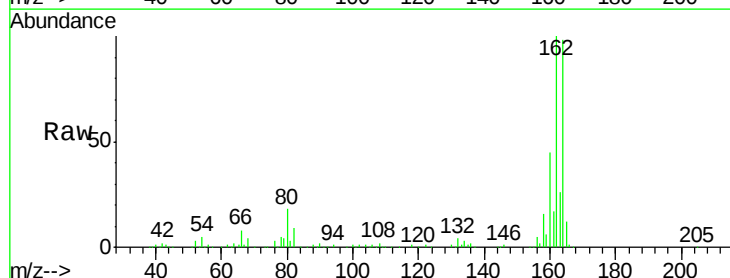
Tgt Ion: 164 Resp: 216020

Ion Ratio Lower Upper

164 100

162 102.0 81.8 122.6

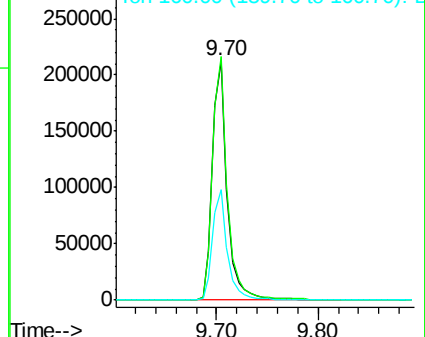
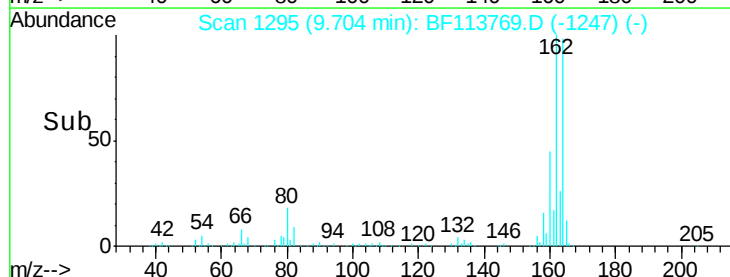
160 46.3 36.4 54.6



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

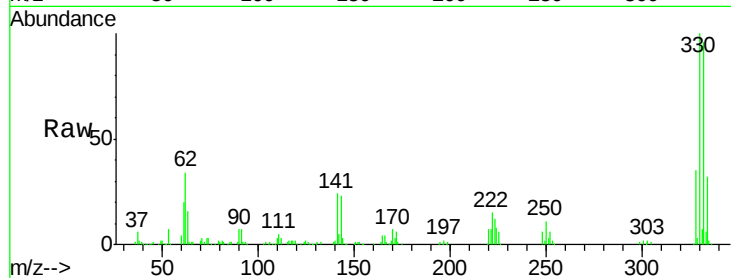




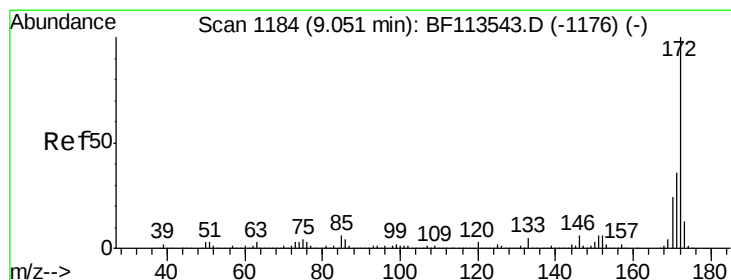
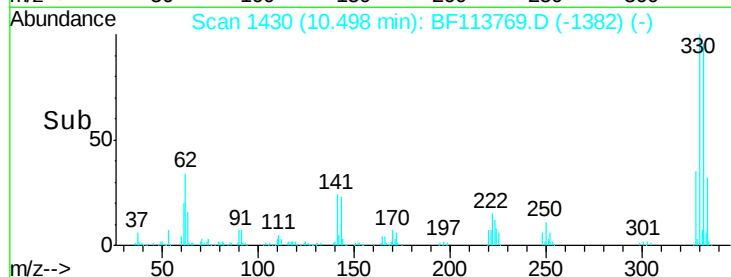
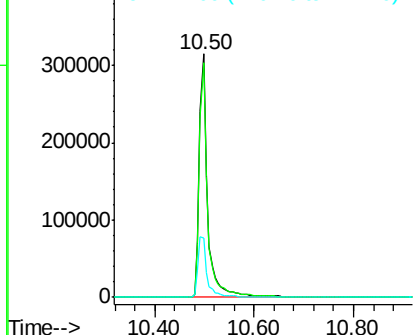
#42
 2,4,6-Tribromophenol
 Concen: 142.211 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113769.D
 Acq: 15 Apr 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 369026
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.8 116.6
 141 27.3 22.7 34.1

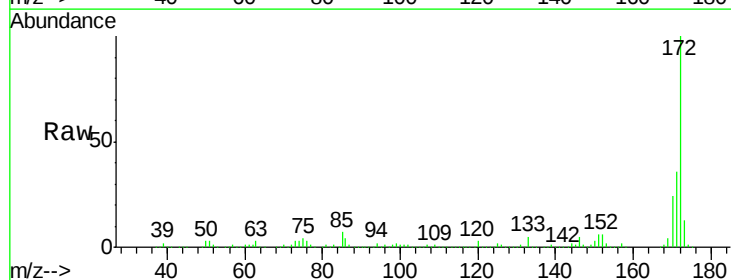


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

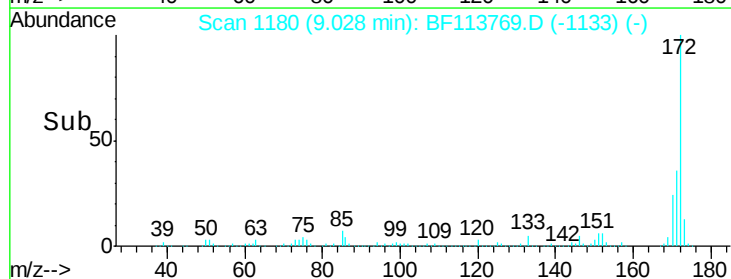
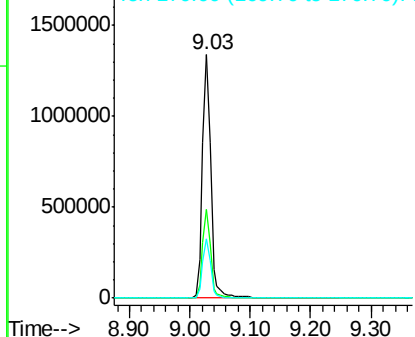


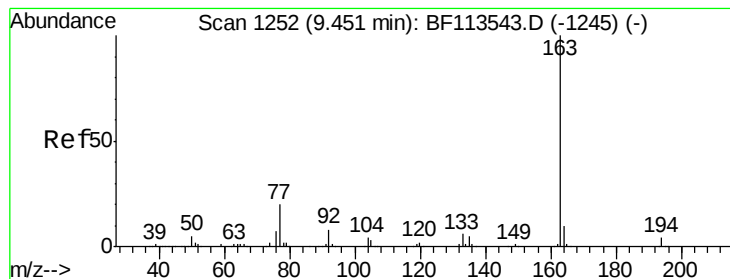
#45
 2-Fluorobiphenyl
 Concen: 97.367 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113769.D
 Acq: 15 Apr 2019 18:09

Tgt Ion:172 Resp: 1306504
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.3 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





#50

Dimethylphthalate

Concen: 3.098 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.25 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Instrument :

BNA_F

ClientSampleId :

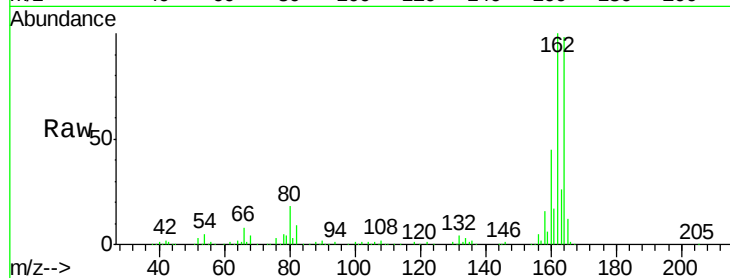
Tot Ion:163 Resp: 49338

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

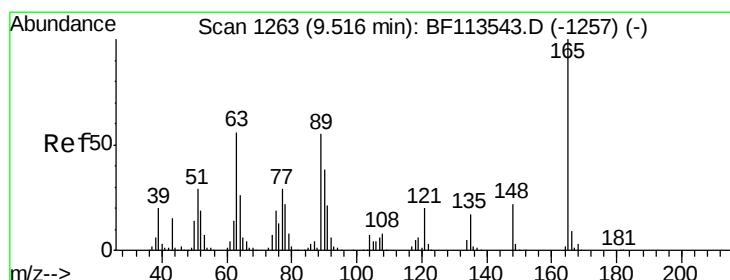
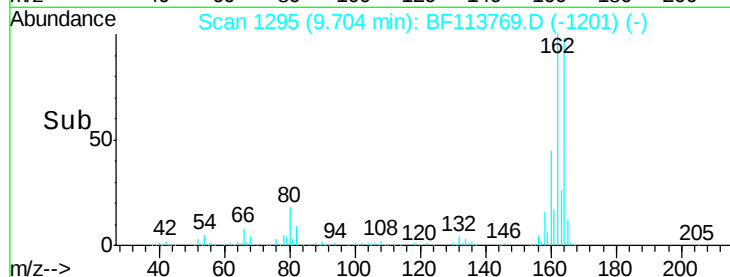
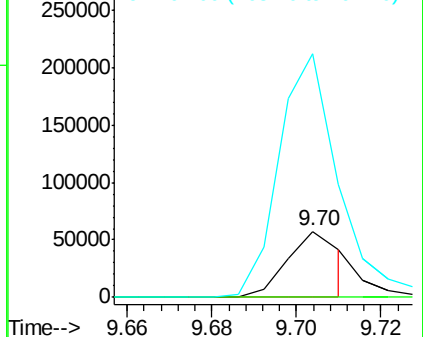
164 370.4 8.1 12.1#



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: 7.787 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.19 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

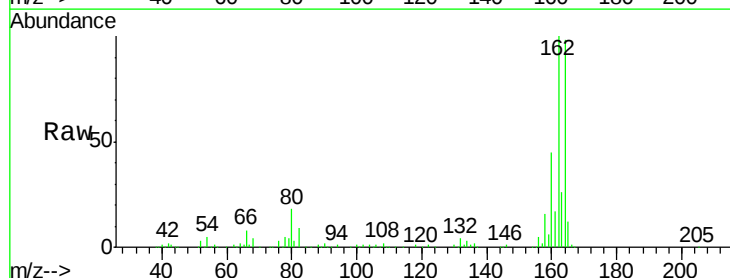
Tgt Ion:165 Resp: 27333

Ion Ratio Lower Upper

165 100

63 1.8 43.4 65.0#

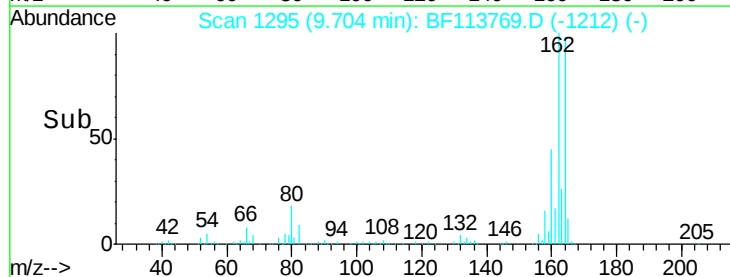
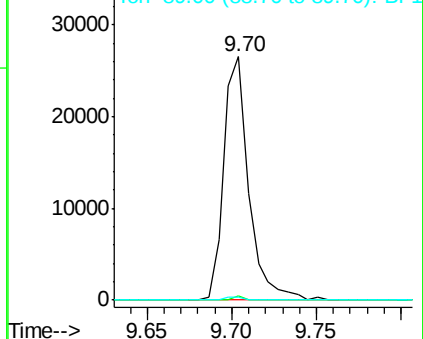
89 1.2 43.1 64.7#

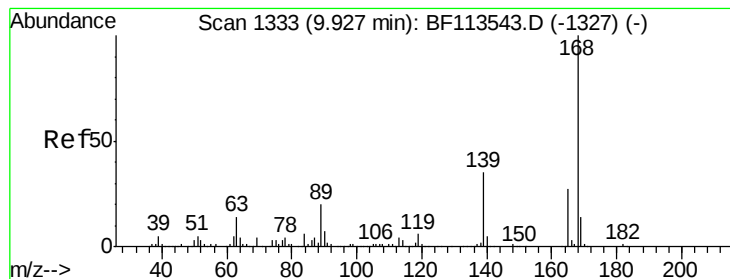


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.439 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 27333

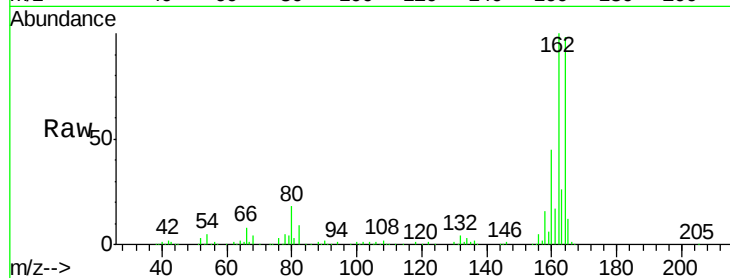
Ion Ratio Lower Upper

165 100

63 1.8 37.5 56.3#

89 1.2 57.4 86.2#

182 0.0 2.0 3.0#

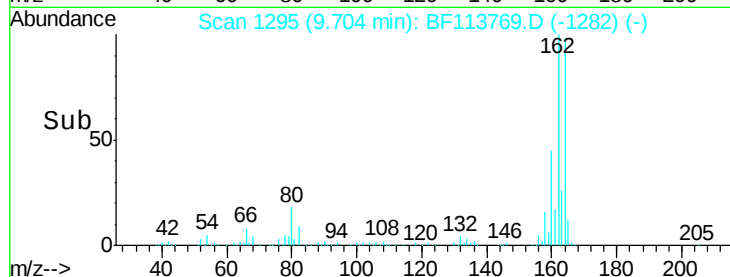


Abundance Ion 165.00 (164.70 to 165.70): E

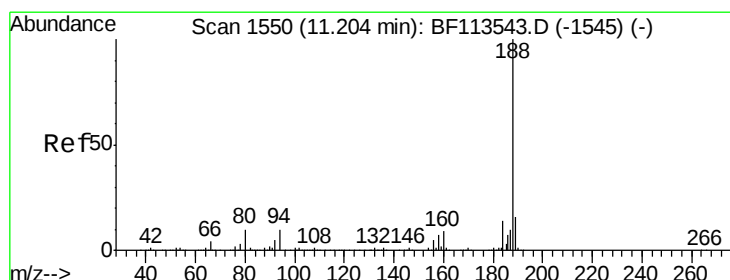
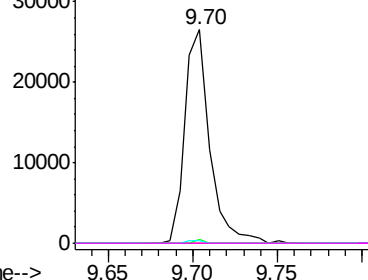
Ion 63.00 (62.70 to 63.70): BF1

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: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

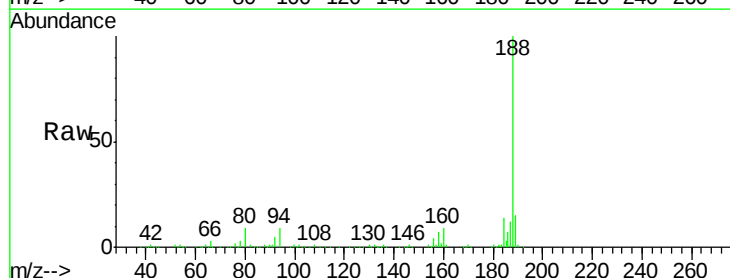
Tgt Ion:188 Resp: 447349

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

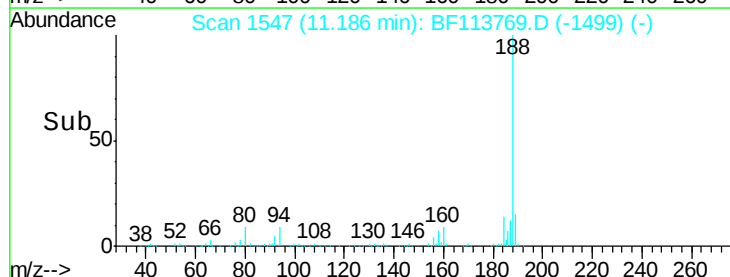
80 9.3 7.7 11.5



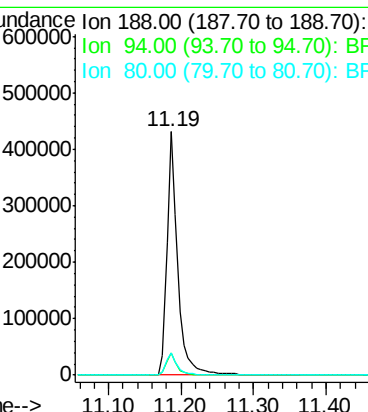
Abundance Ion 188.00 (187.70 to 188.70): E

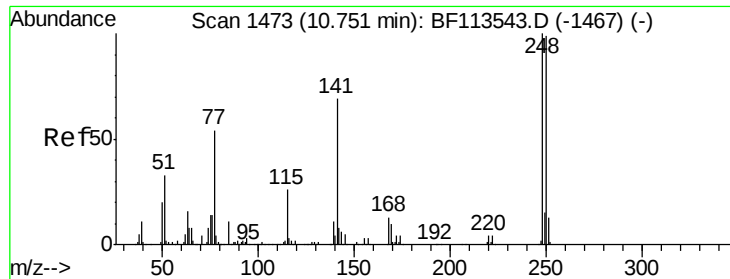
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->





#67

4-Bromophenyl-phenylether

Concen: 4.107 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.25 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Instrument :

BNA_F

ClientSampled :

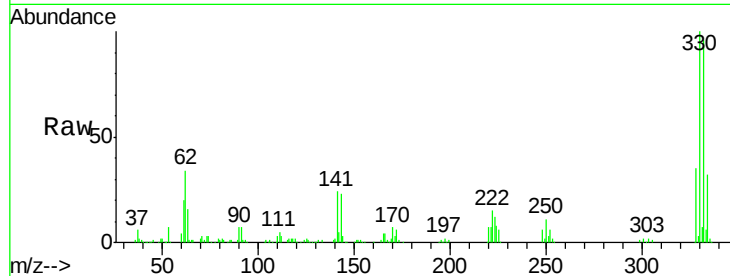
Tot Ion:248 Resp: 20604

Ion Ratio Lower Upper

248 100

250 199.6 78.3 117.5#

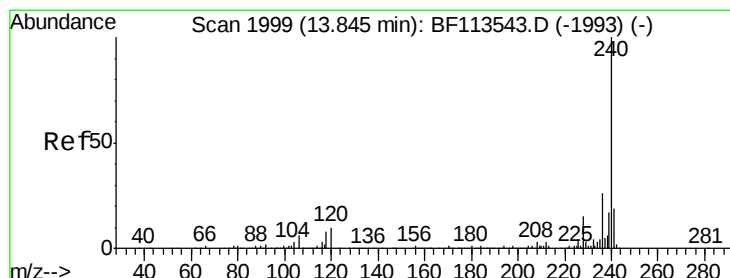
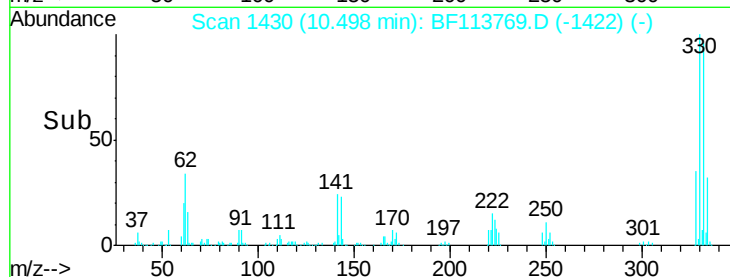
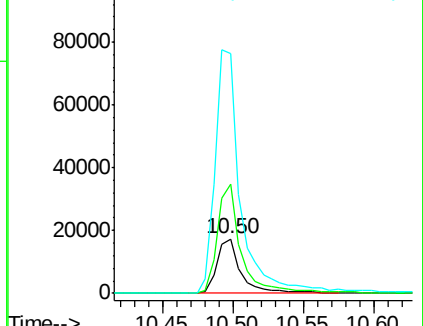
141 439.1 56.2 84.4#



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

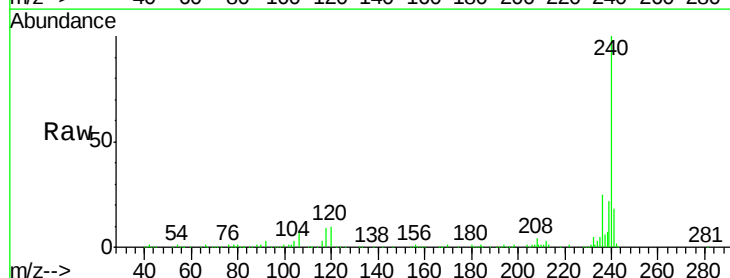
Tgt Ion:240 Resp: 310896

Ion Ratio Lower Upper

240 100

120 10.1 8.8 13.2

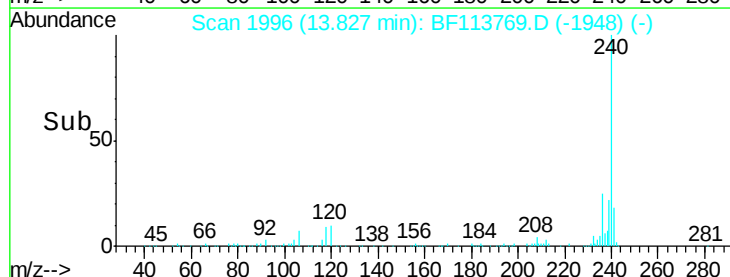
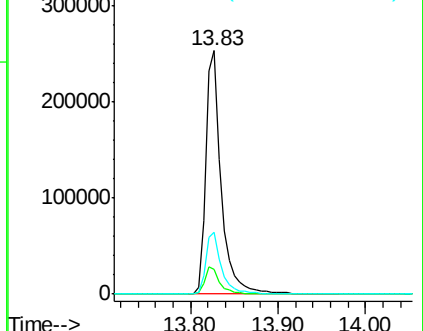
236 25.5 20.9 31.3

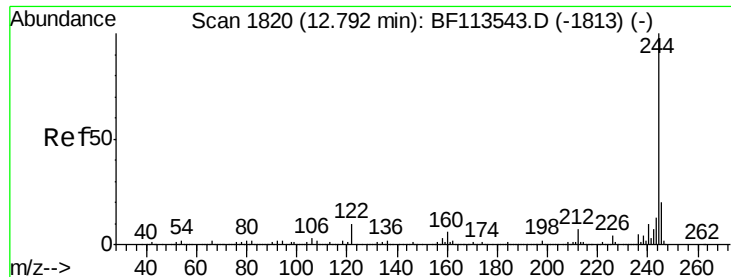


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 97.577 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

Instrument :

BNA_F

ClientSampleId :

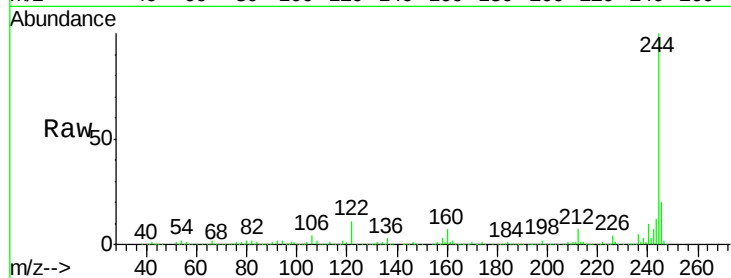
Tot Ion:244 Resp: 1489977

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

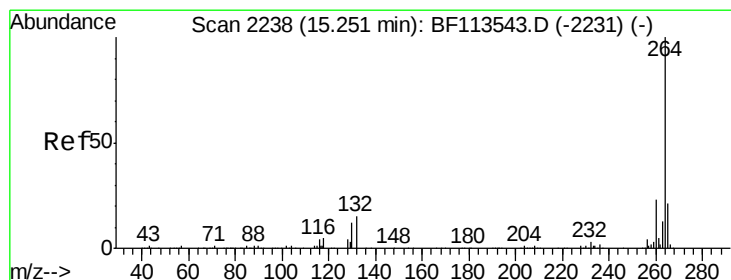
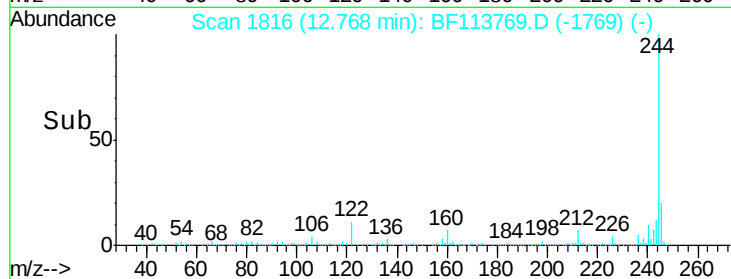
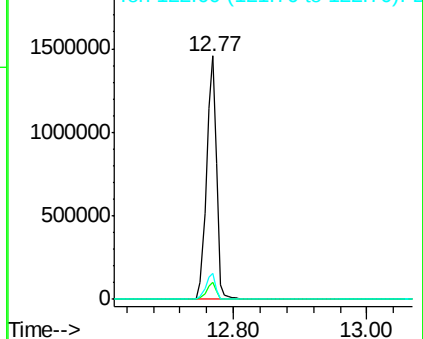
122 10.8 8.6 13.0



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

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113769.D

Acq: 15 Apr 2019 18:09

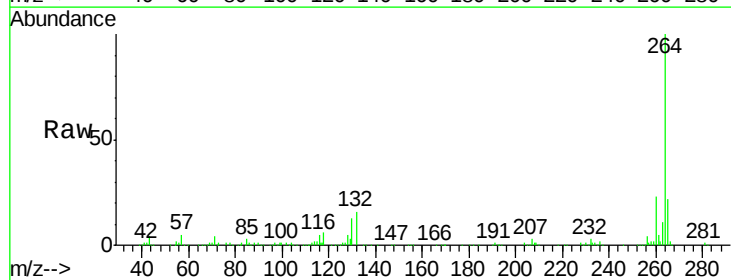
Tgt Ion:264 Resp: 296007

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.5 17.1 25.7



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

