

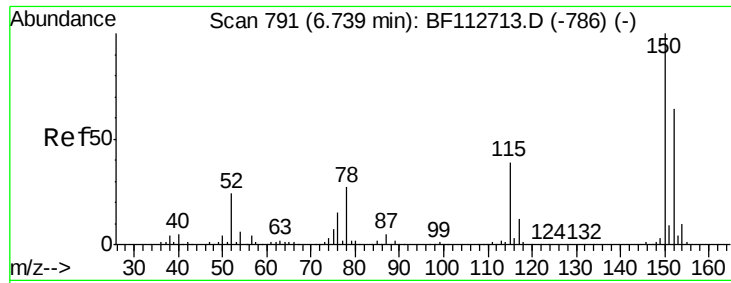
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113216.D
 Acq On : 21 Mar 2019 18:52
 Operator : JU/SJ
 Sample : K2004-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20(10-11)

Quant Time: Mar 22 00:44:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	172717	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	705603	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	292905	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	476650	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	378571	20.00	ng	0.00
87) Perylene-d12	15.28	264	306993	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	266265	23.98	ng	-0.01
7) Phenol-d6	6.36	99	384243	27.55	ng	-0.01
23) Nitrobenzene-d5	7.28	82	215010	18.23	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	88696	28.52	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	476546	21.64	ng	-0.01
79) Terphenyl-d14	12.82	244	322614	16.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	29117	3.296	ng	# 75
25) Isophorone	7.28	82	213165	8.391	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	37128	8.255	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	37129	6.642	ng	# 18

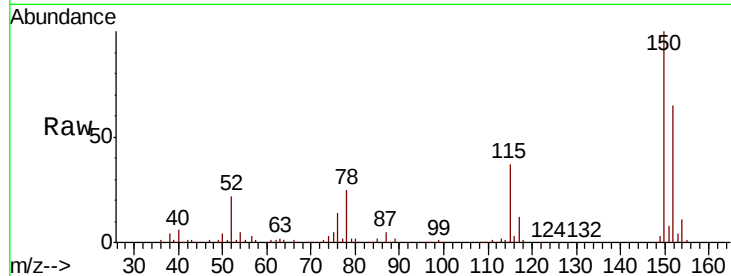
(#) = qualifier out of range (m) = manual integration (+) = signals summed



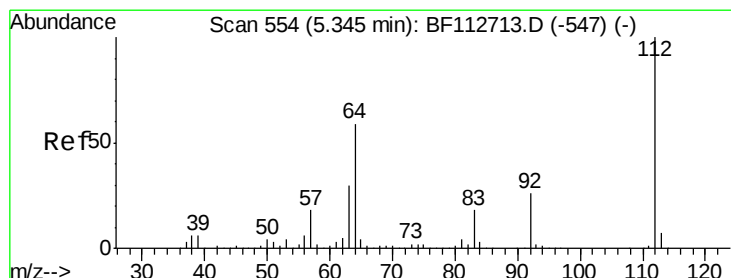
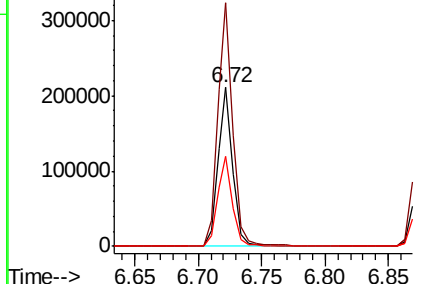
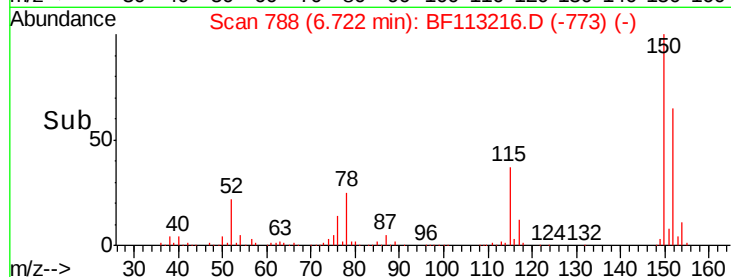
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113216.D
 Acq: 21 Mar 2019 18:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-20(10-11)

Tgt Ion:152 Resp: 172717
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.2 186.2
 115 56.4 48.2 72.4

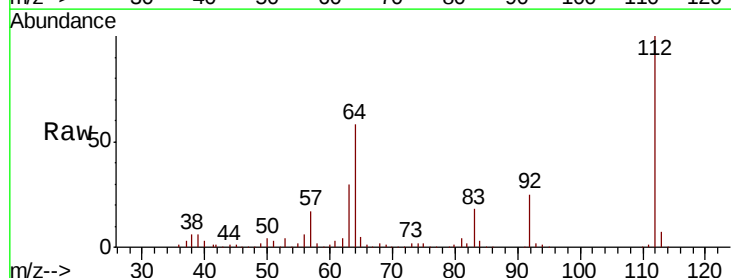


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

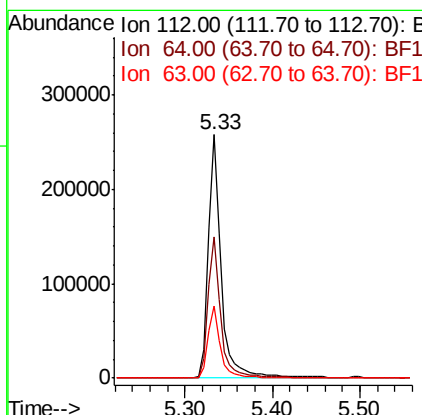
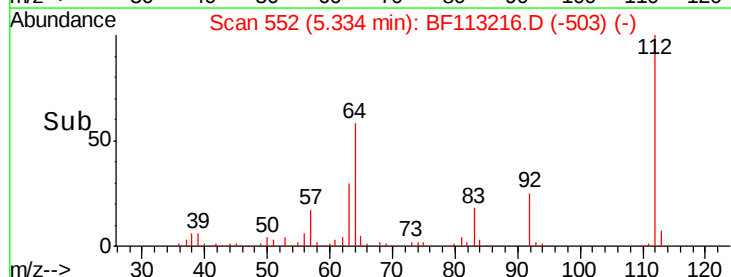


#5
 2-Fluorophenol
 Concen: 23.981 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113216.D
 Acq: 21 Mar 2019 18:52

Tgt Ion:112 Resp: 266265
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.6 71.4
 63 29.6 24.4 36.6



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: 27.549 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Instrument :

BNA_F

ClientSampleId :

SB-20(10-11)

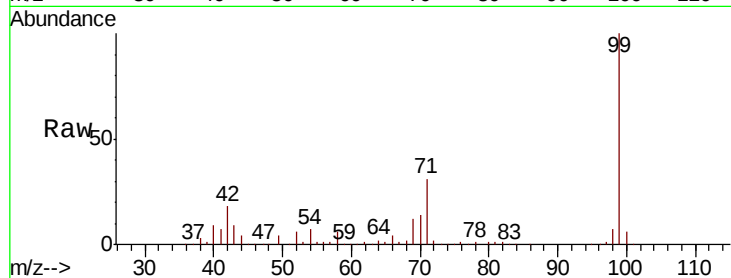
Tgt Ion: 99 Resp: 384243

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

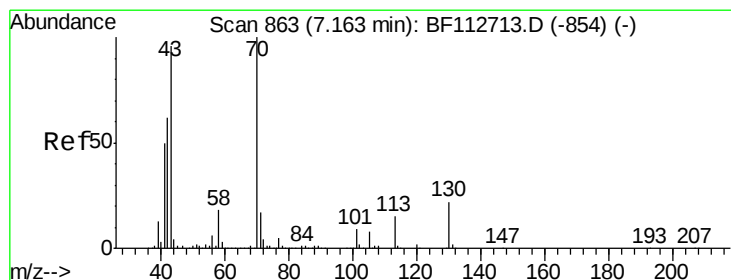
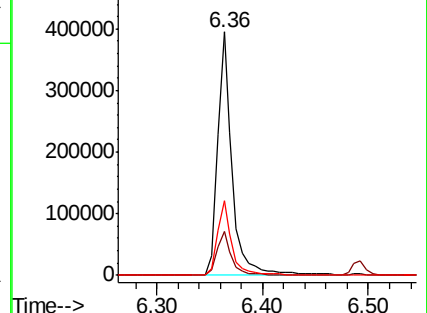
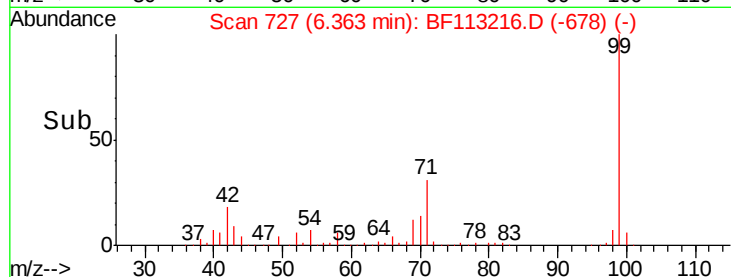
71 30.8 26.2 39.4



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: 3.296 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Tgt Ion: 70 Resp: 29117

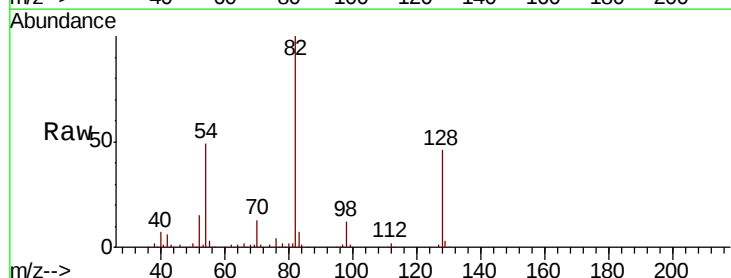
Ion Ratio Lower Upper

70 100

42 47.7 49.9 74.9#

101 0.0 7.4 11.2#

130 1.9 17.4 26.2#

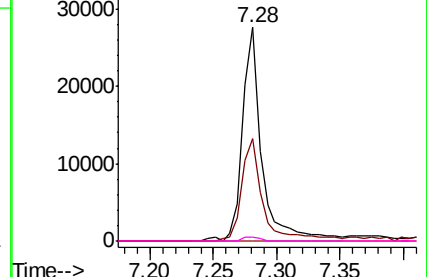
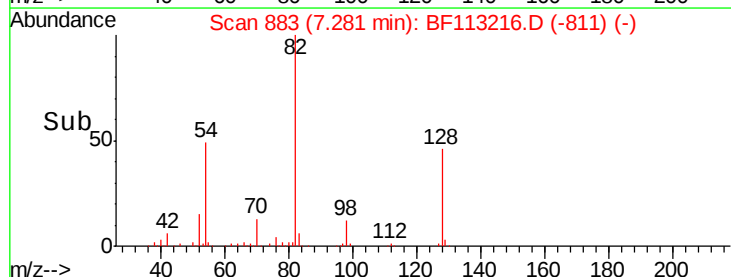


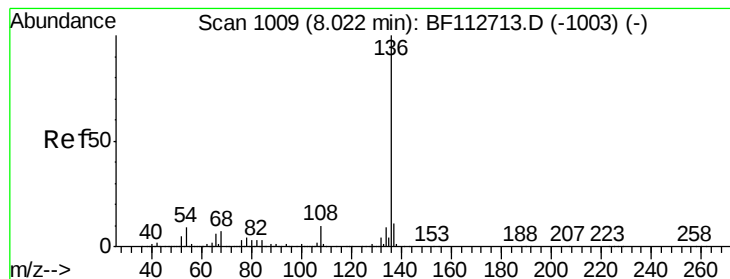
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Instrument :

BNA_F

ClientSampleId :

SB-20(10-11)

Tgt Ion: 136 Resp: 705603

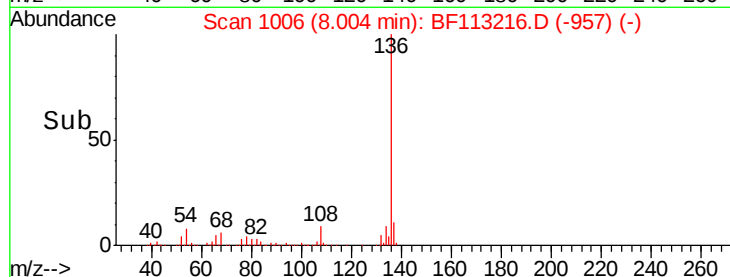
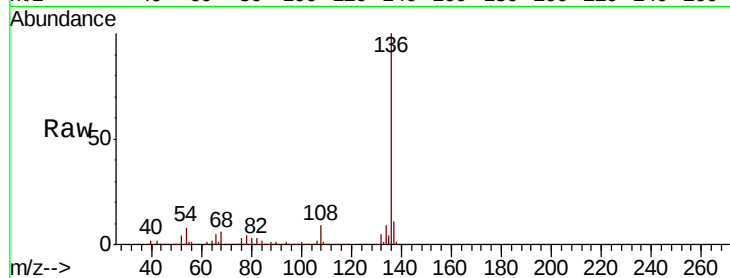
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.5 7.3 10.9

68 6.0 5.4 8.2

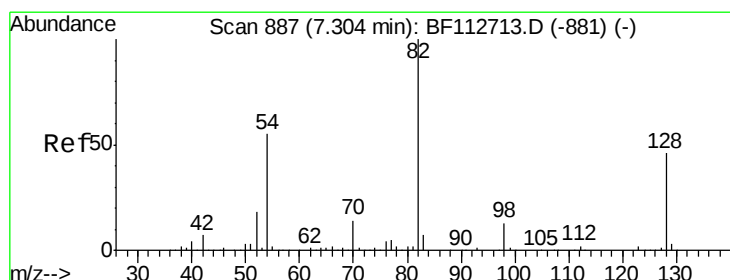
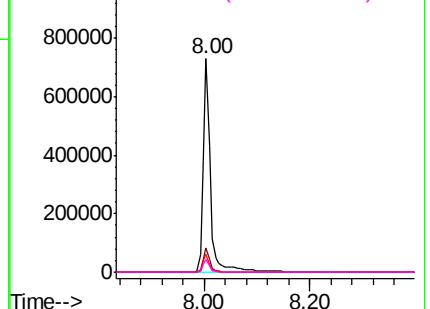


Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.234 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

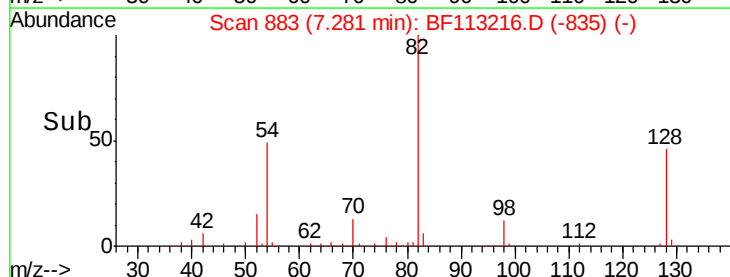
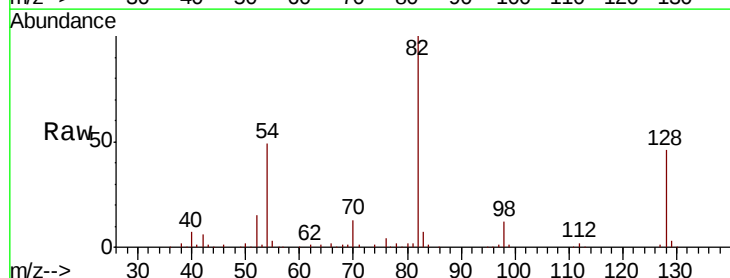
Tgt Ion: 82 Resp: 215010

Ion Ratio Lower Upper

82 100

128 45.9 36.3 54.5

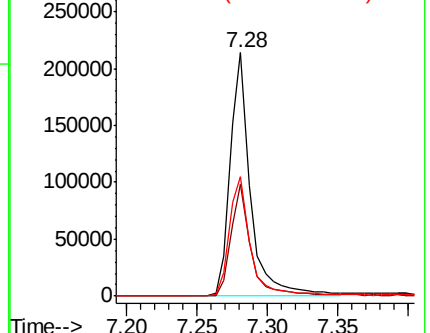
54 49.2 43.7 65.5



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: 8.391 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Instrument :

BNA_F

ClientSampleId :

SB-20(10-11)

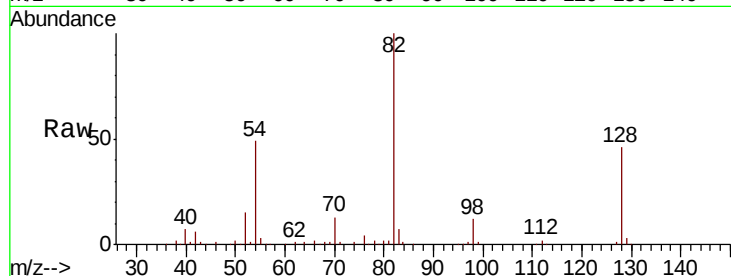
Tgt Ion: 82 Resp: 213165

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

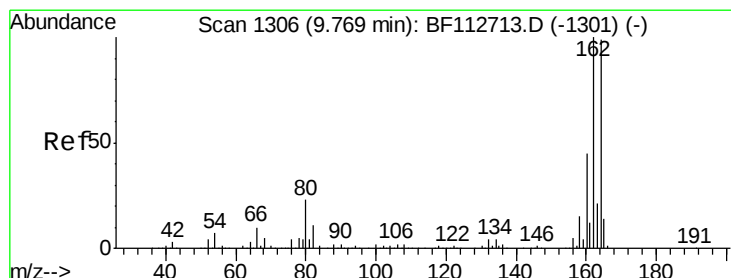
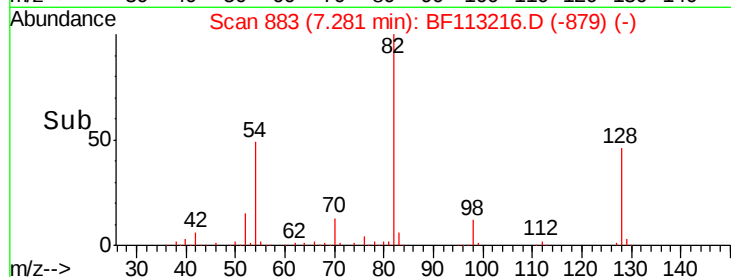
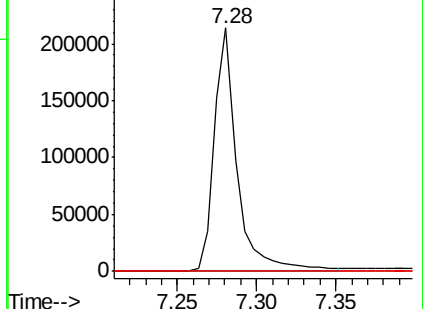
138 0.0 13.8 20.8#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

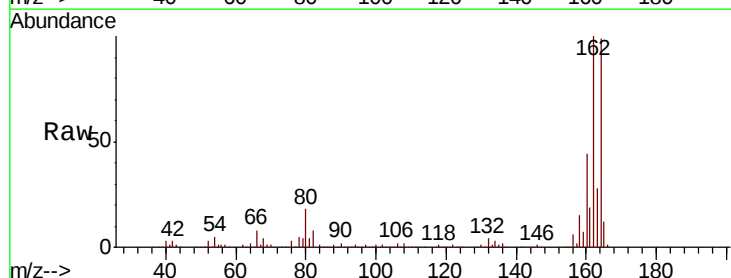
Tgt Ion: 164 Resp: 292905

Ion Ratio Lower Upper

164 100

162 101.5 80.6 120.8

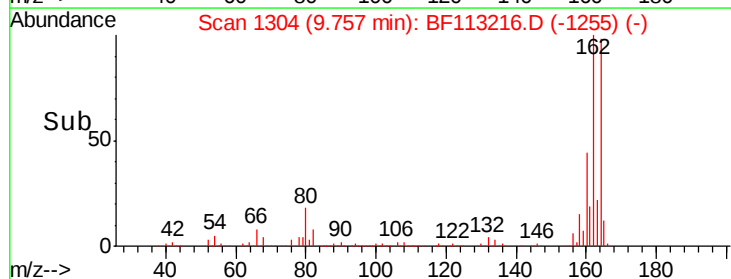
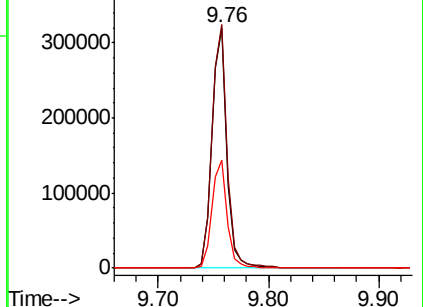
160 44.9 36.0 54.0

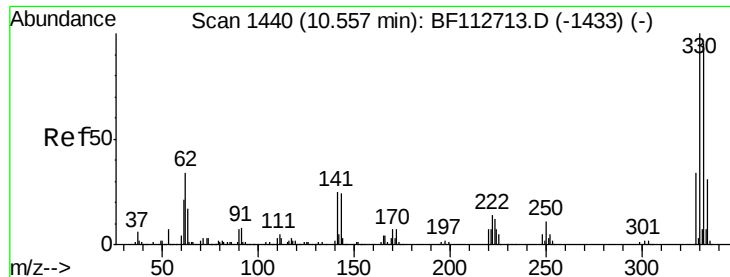


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 28.524 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Instrument :

BNA_F

ClientSampleId :

SB-20(10-11)

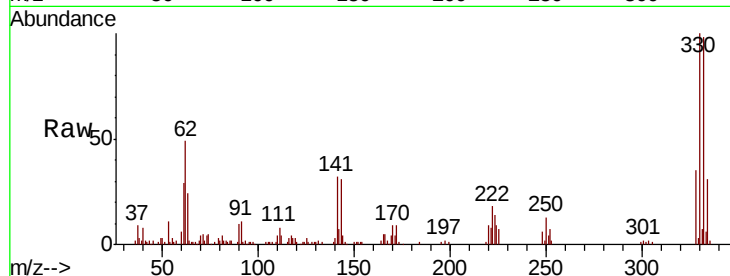
Tgt Ion:330 Resp: 88696

Ion Ratio Lower Upper

330 100

332 98.1 76.2 114.4

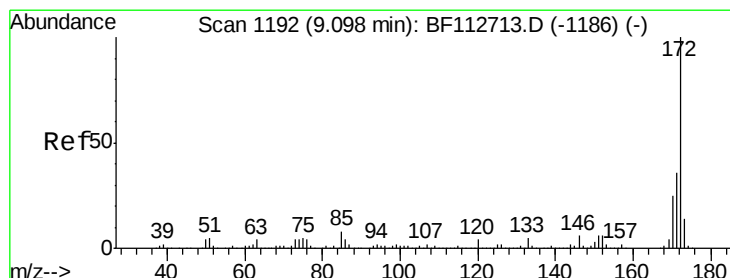
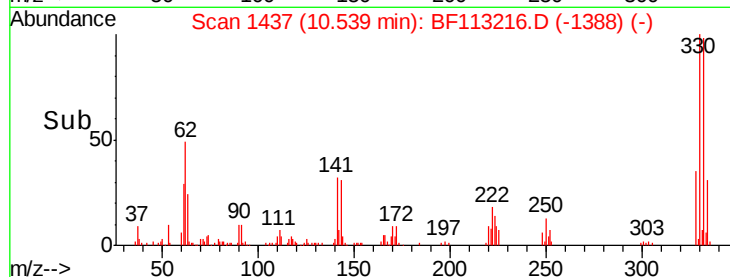
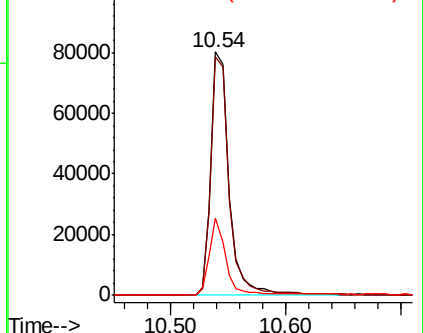
141 29.7 27.0 40.6



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: 21.638 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

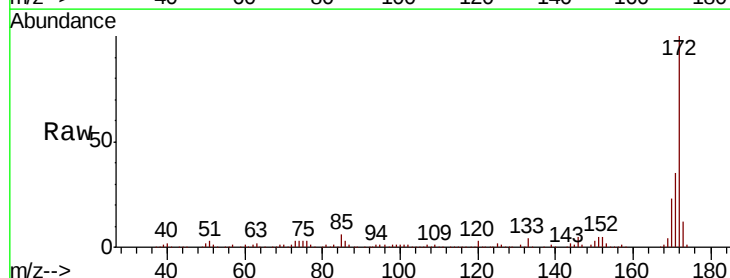
Tgt Ion:172 Resp: 476546

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.4

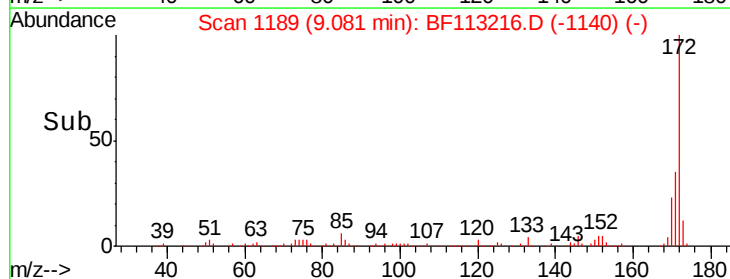
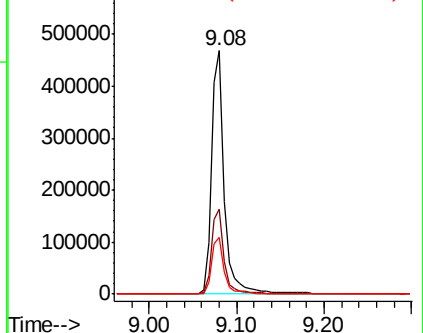
170 23.4 20.0 30.0

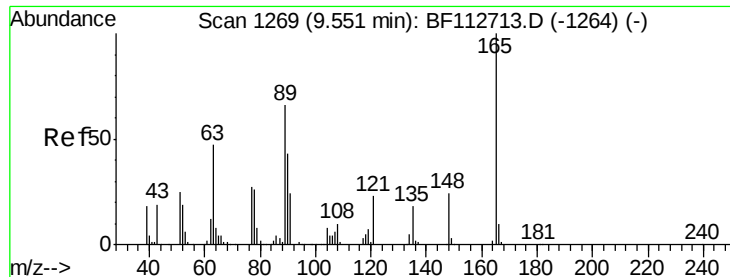


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.255 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Instrument :

BNA_F

ClientSampleId :

SB-20(10-11)

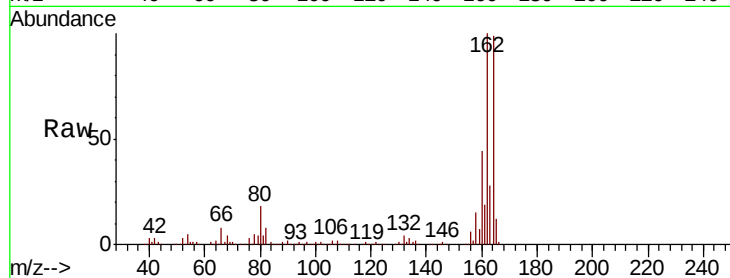
Tgt Ion:165 Resp: 37128

Ion Ratio Lower Upper

165 100

63 1.4 54.1 81.1#

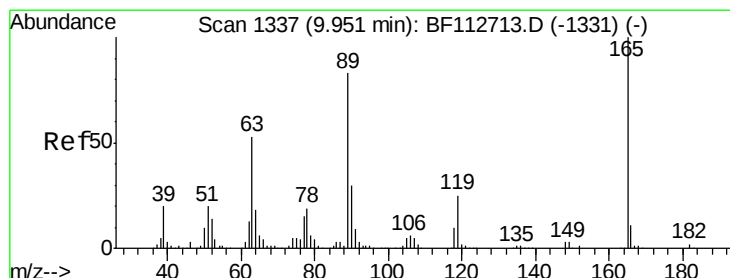
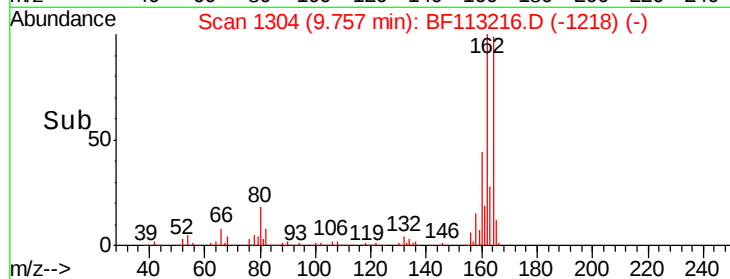
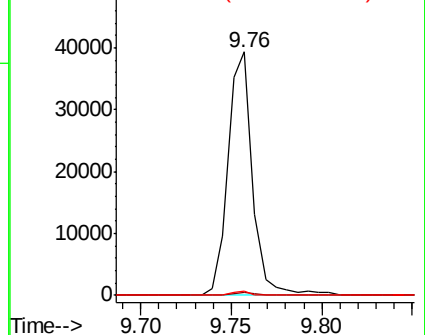
89 1.5 52.8 79.2#



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: 6.642 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Tgt Ion:165 Resp: 37129

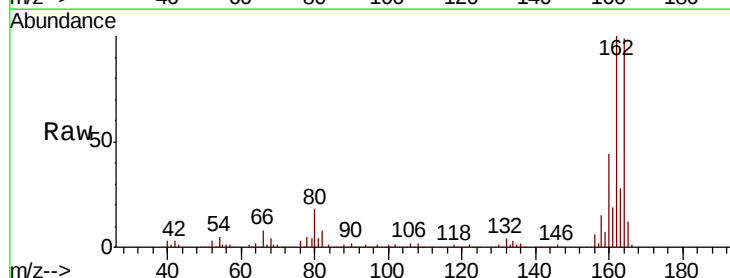
Ion Ratio Lower Upper

165 100

63 1.4 42.2 63.2#

89 1.5 66.2 99.4#

182 0.0 1.8 2.6#

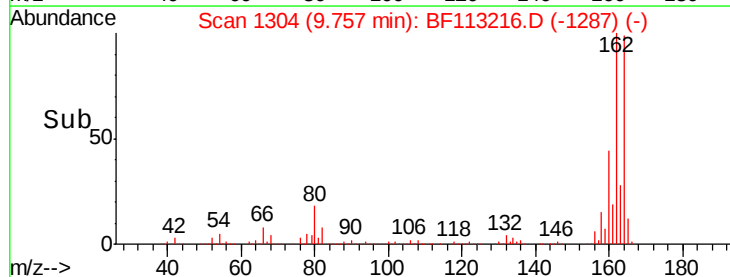
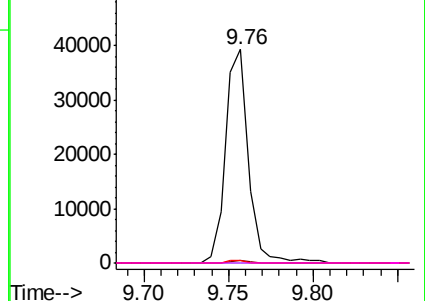


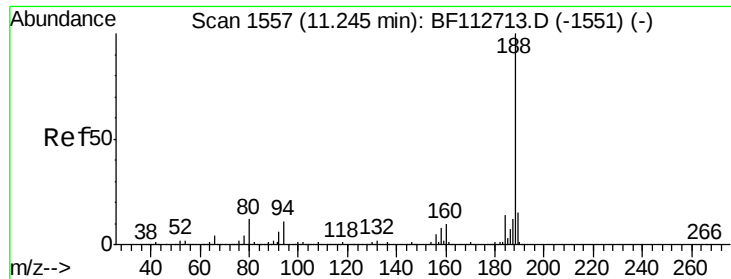
Abundance Ion 165.00 (164.70 to 165.70): E

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): BF1

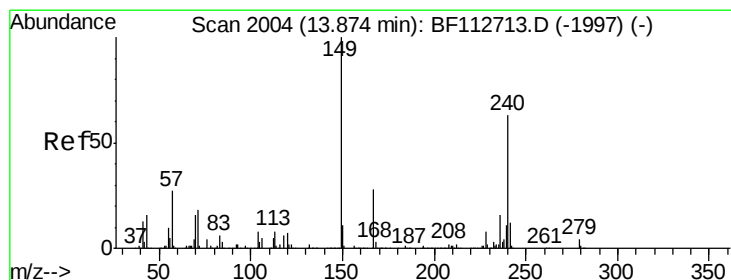
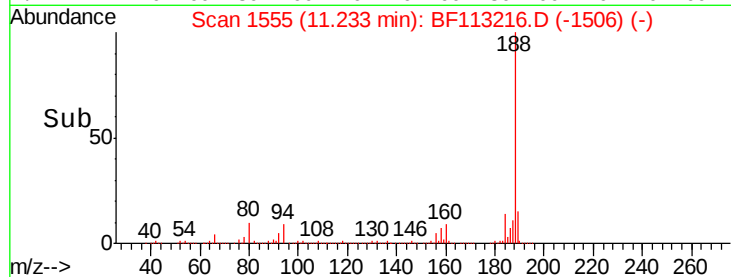
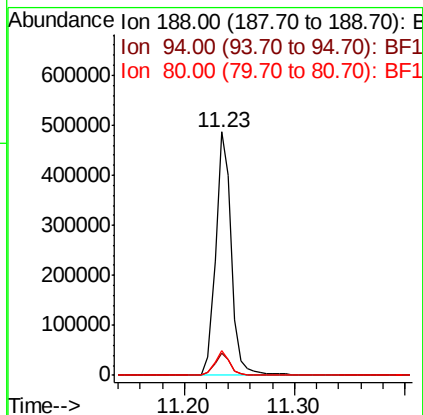
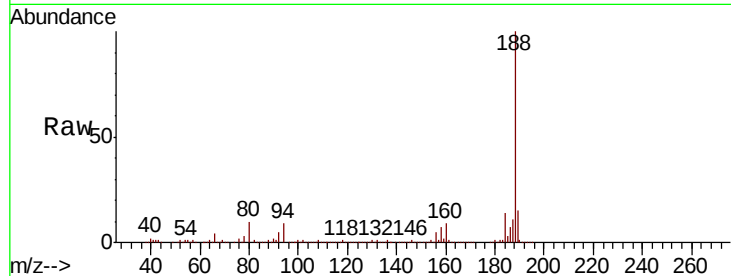




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113216.D
Acq: 21 Mar 2019 18:52

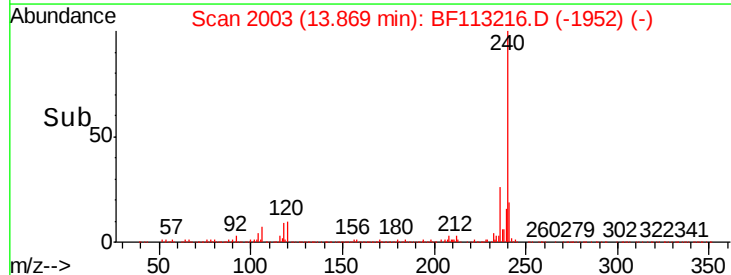
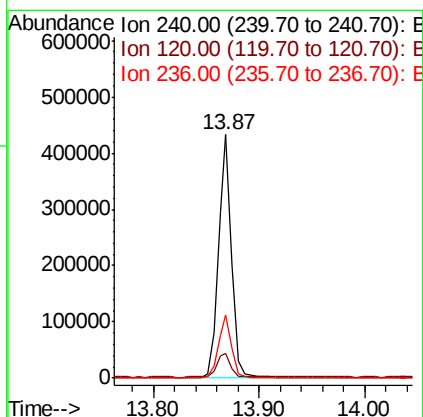
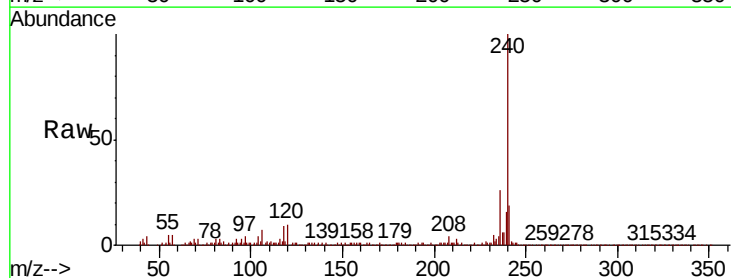
Instrument :
BNA_F
ClientSampleId :
SB-20(10-11)

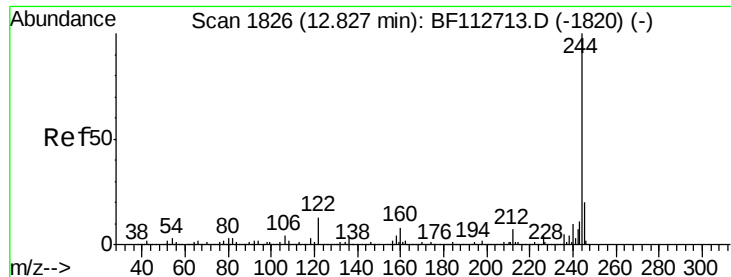
Tgt Ion:188 Resp: 476650
Ion Ratio Lower Upper
188 100
94 9.1 9.0 13.4
80 10.1 9.2 13.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF113216.D
Acq: 21 Mar 2019 18:52

Tgt Ion:240 Resp: 378571
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 26.1 20.7 31.1





#79

Terphenyl-d14

Concen: 16.520 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

Instrument :

BNA_F

ClientSampleId :

SB-20(10-11)

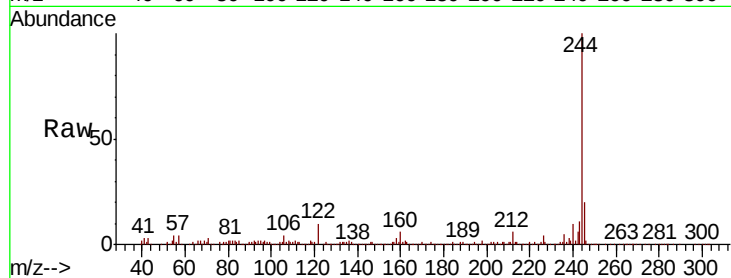
Tgt Ion:244 Resp: 322614

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

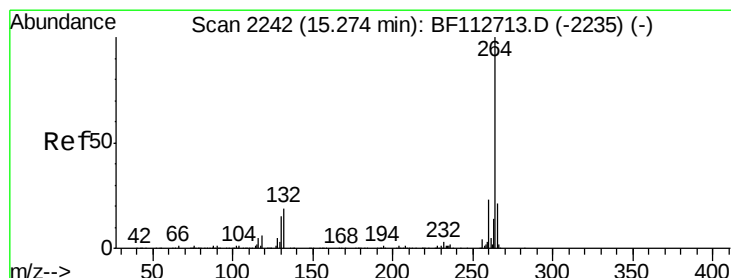
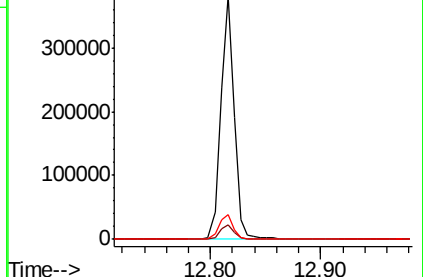
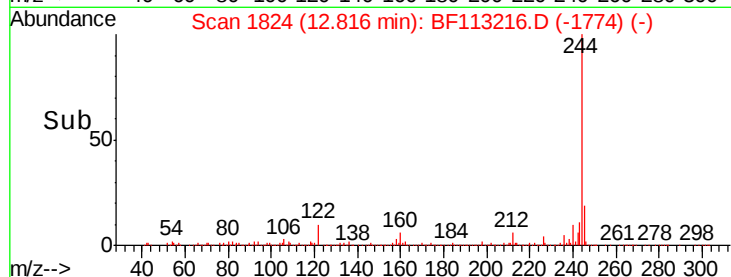
122 10.3 10.5 15.7#



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: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF113216.D

Acq: 21 Mar 2019 18:52

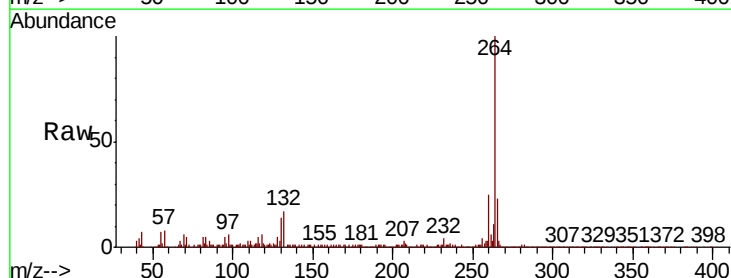
Tgt Ion:264 Resp: 306993

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 22.5 17.2 25.8



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

