

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111618\
 Data File : BF110820.D
 Acq On : 16 Nov 2018 16:52
 Operator : JU/SJ
 Sample : J5762-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 17:31:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

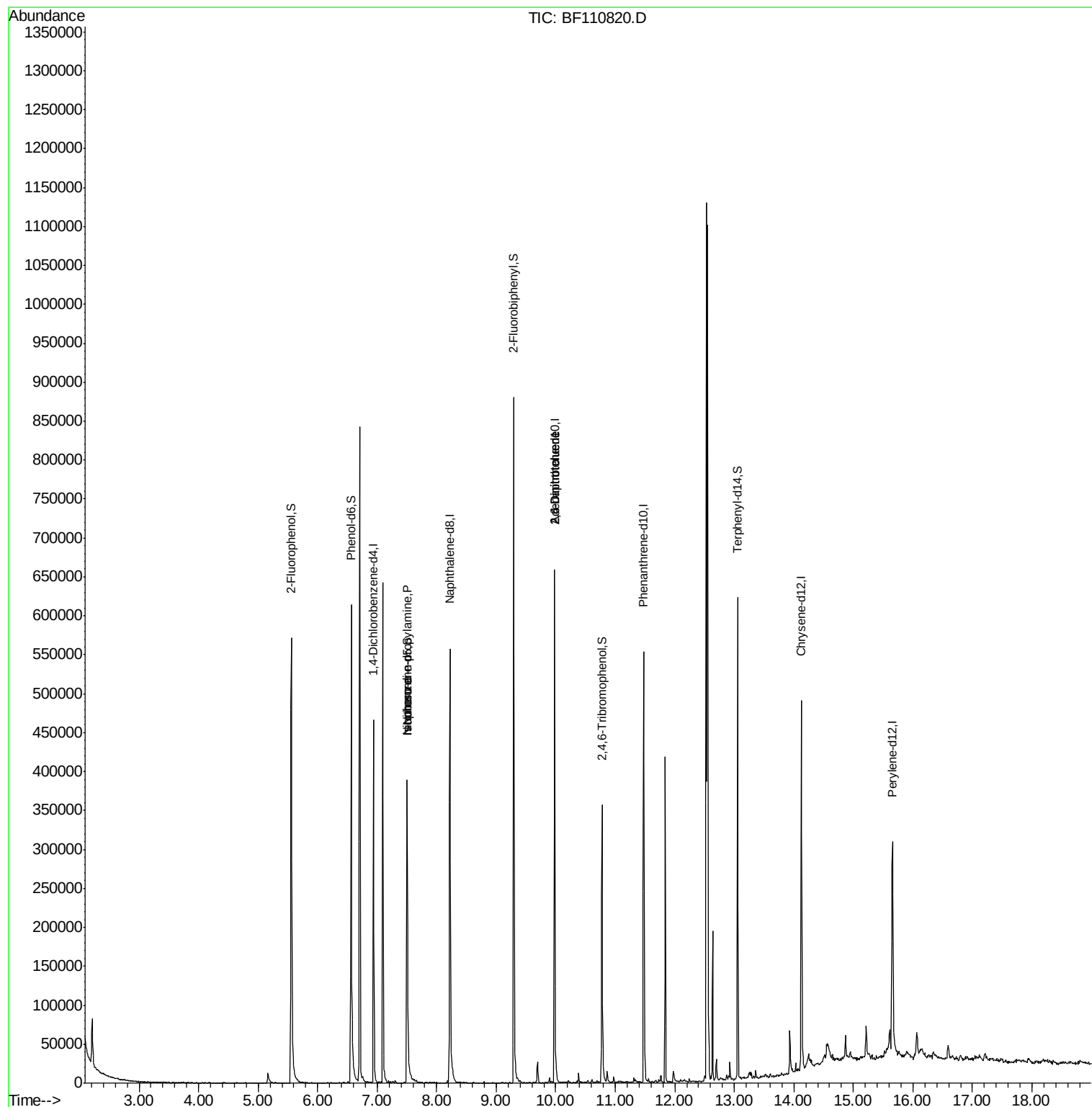
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	70374	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	296103	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	132081	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	213254	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	166430	20.00	ng	-0.01
87) Perylene-d12	15.66	264	133477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	199573	46.06	ng	0.00
7) Phenol-d6	6.56	99	249381	45.01	ng	-0.01
23) Nitrobenzene-d5	7.50	82	156851	30.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	47986	36.06	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	289170	31.27	ng	-0.01
79) Terphenyl-d14	13.06	244	195094	21.95	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	244	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.50	70	20668	5.844 ng	#	80
25) Isophorone	7.50	82	156849	18.612 ng	#	67
51) 2,6-Dinitrotoluene	9.98	165	16431	7.579 ng	#	22
57) 2,4-Dinitrotoluene	9.98	165	16431	5.829 ng	#	19

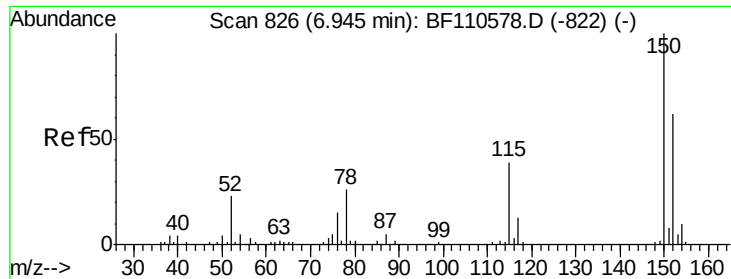
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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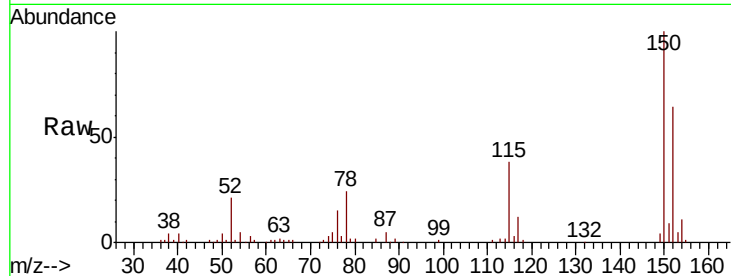


#1

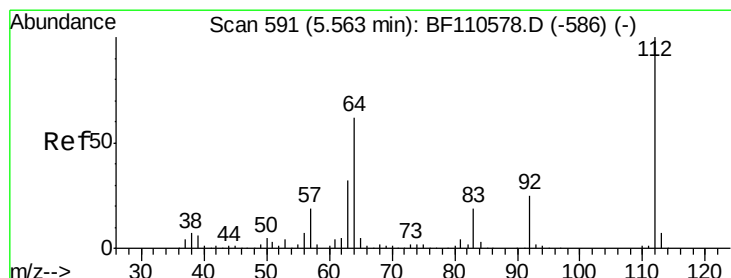
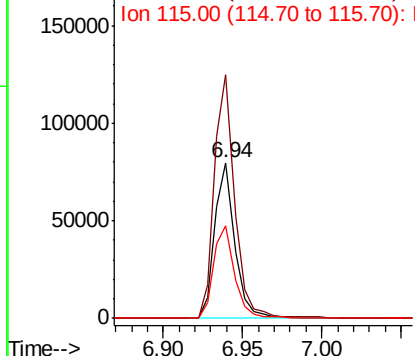
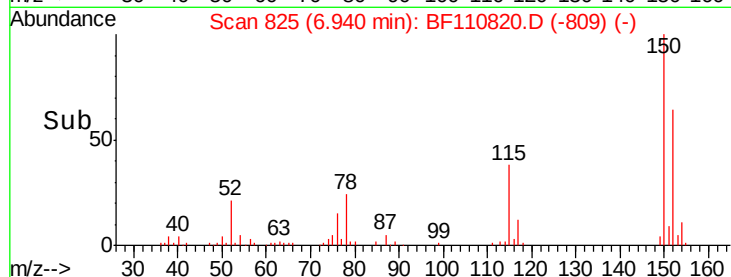
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110820.D
Acq: 16 Nov 2018 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70374
Ion Ratio Lower Upper
152 100
150 156.5 122.7 184.1
115 59.4 49.1 73.7



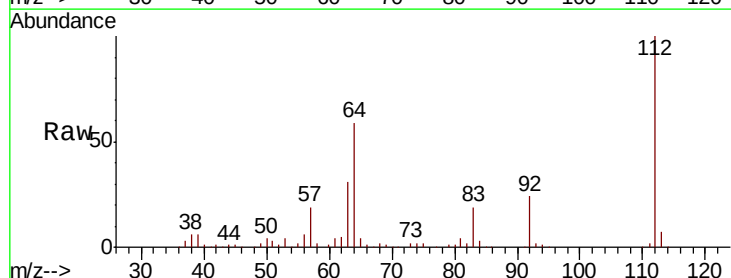
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



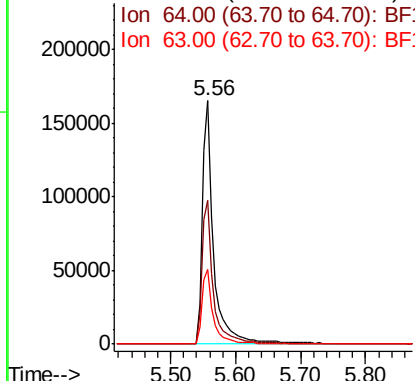
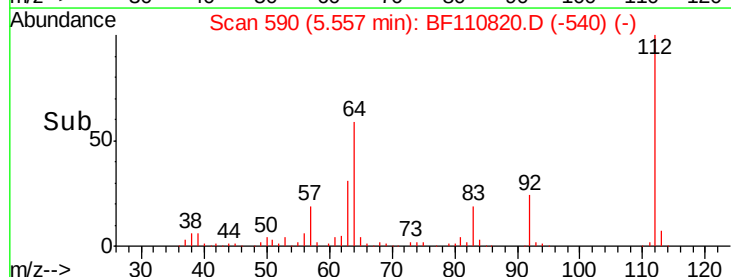
#5

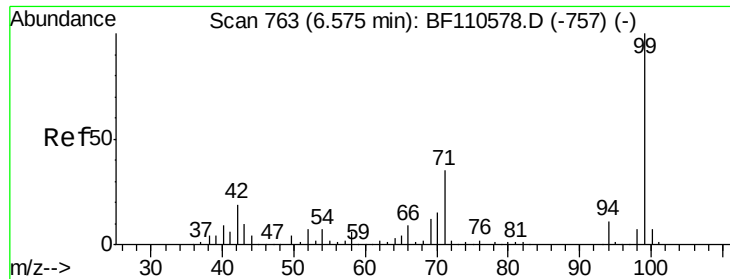
2-Fluorophenol
Concen: 46.064 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110820.D
Acq: 16 Nov 2018 16:52

Tgt Ion:112 Resp: 199573
Ion Ratio Lower Upper
112 100
64 59.1 44.1 66.1
63 30.5 23.7 35.5



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: 45.012 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

Instrument :

BNA_F

ClientSampleId :

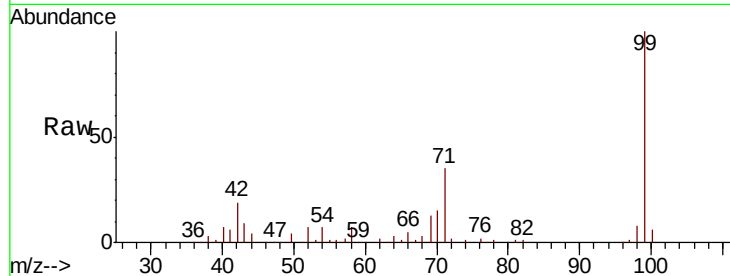
Tot Ion: 99 Resp: 249381

Ion Ratio Lower Upper

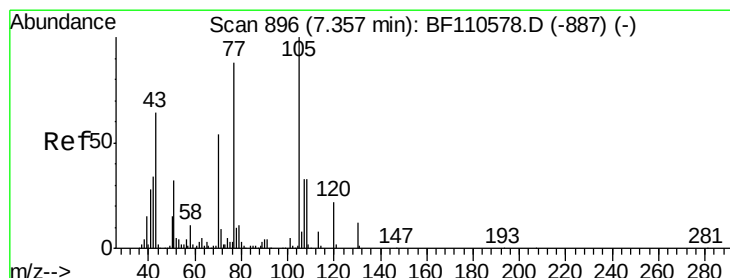
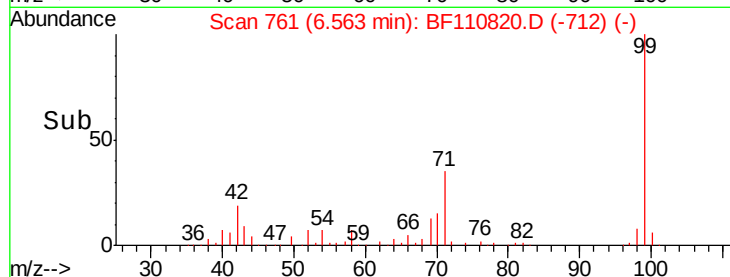
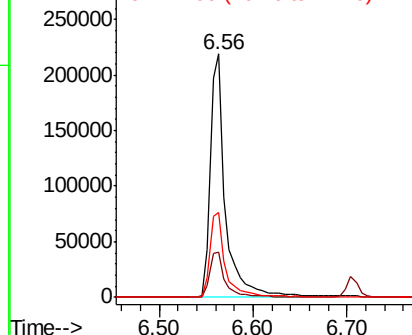
99 100

42 18.5 15.8 23.6

71 34.7 28.0 42.0



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: 5.844 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

Tgt Ion: 70 Resp: 20668

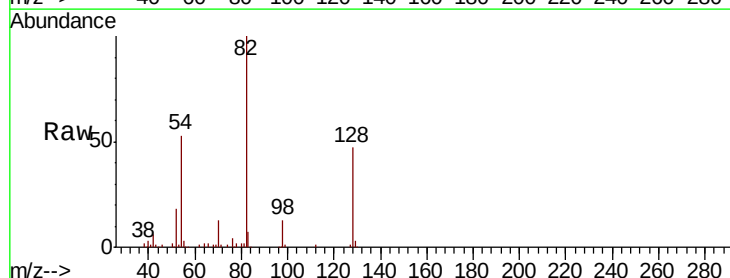
Ion Ratio Lower Upper

70 100

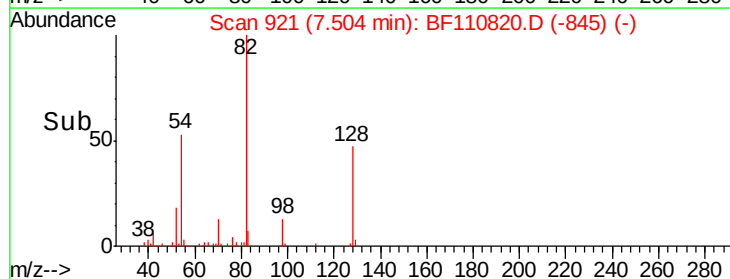
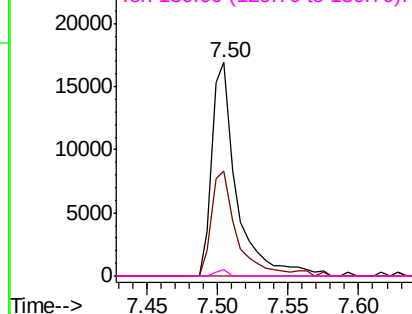
42 49.0 47.4 71.2

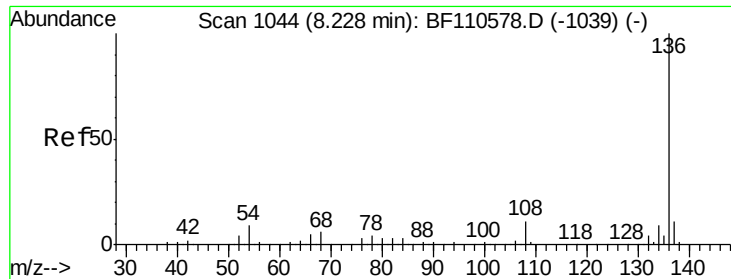
101 0.0 7.3 10.9#

130 2.8 16.2 24.2#



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

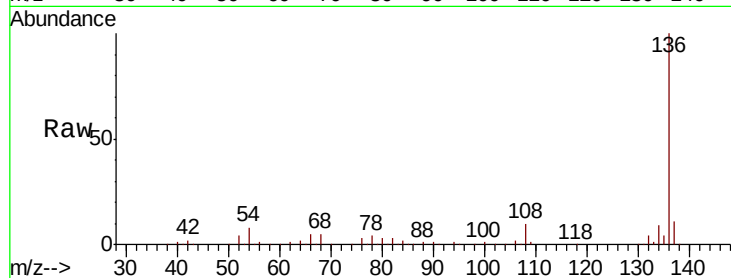




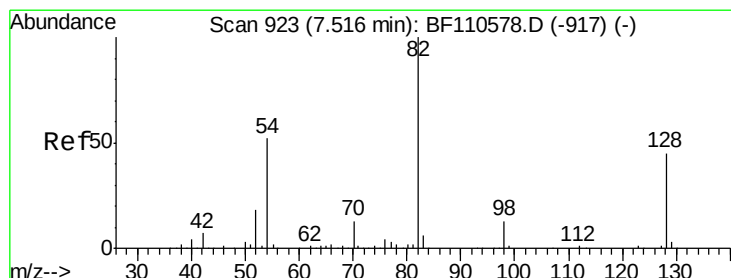
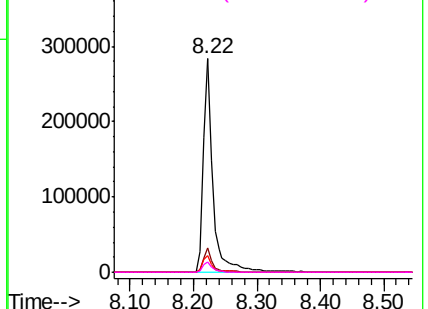
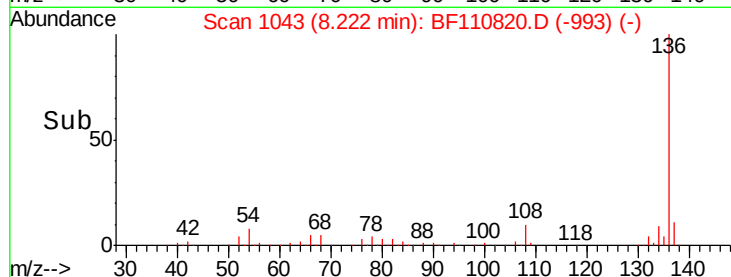
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110820.D
Acq: 16 Nov 2018 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	296103
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	7.8	5.4 8.2
68	5.0	4.2 6.2

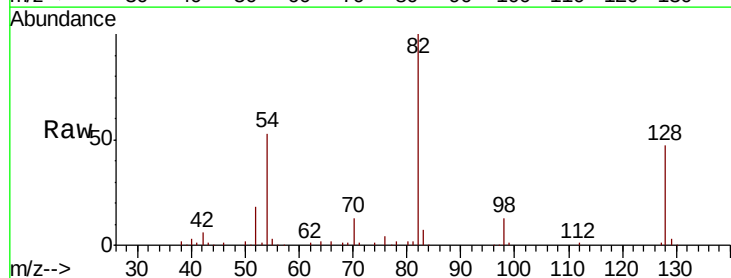


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

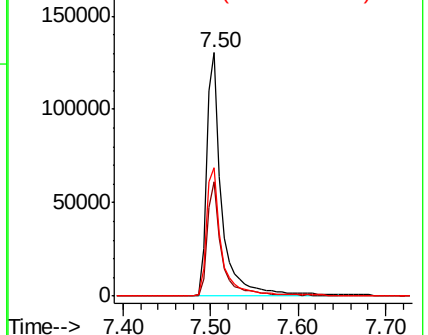
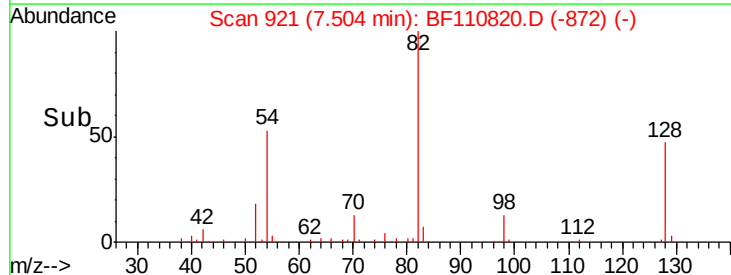


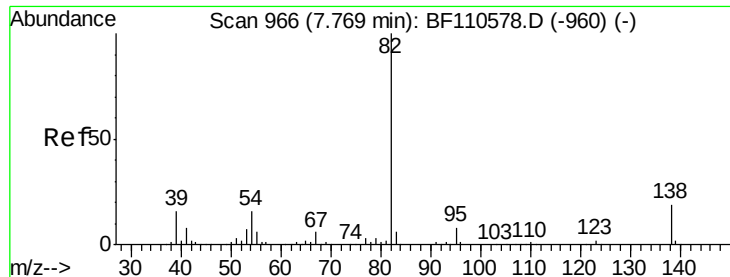
#23
Nitrobenzene-d5
Concen: 30.506 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110820.D
Acq: 16 Nov 2018 16:52

Tgt Ion: 82	Resp:	156851
Ion Ratio	Lower	Upper
82	100	
128	46.9	34.2 51.2
54	52.9	38.6 58.0



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: 18.612 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

Instrument :

BNA_F

ClientSampleId :

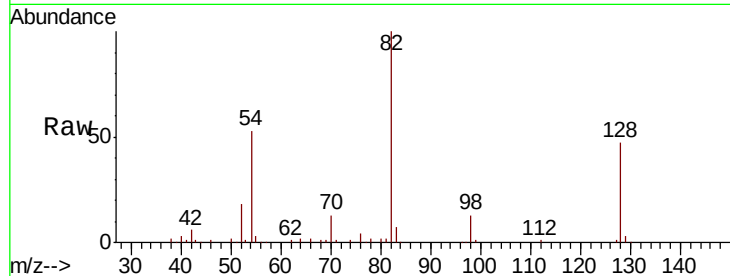
Tot Ion: 82 Resp: 156849

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

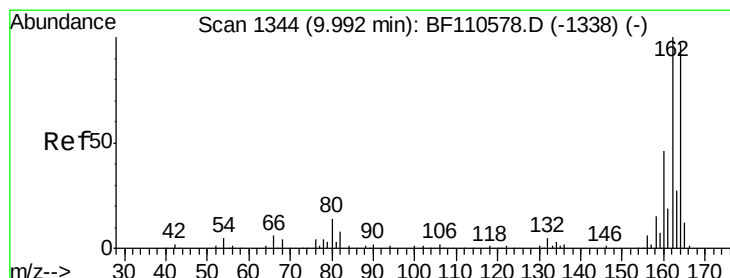
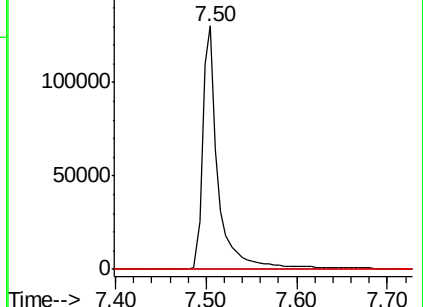
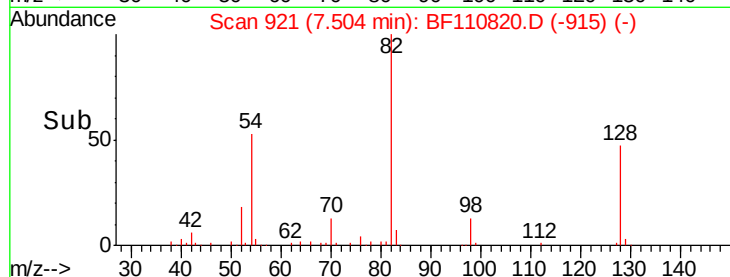
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF110820.D (-915) (-)

Ion 95.00 (94.70 to 95.70): BF110820.D (-915) (-)

Ion 138.00 (137.70 to 138.70): BF110820.D (-915) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

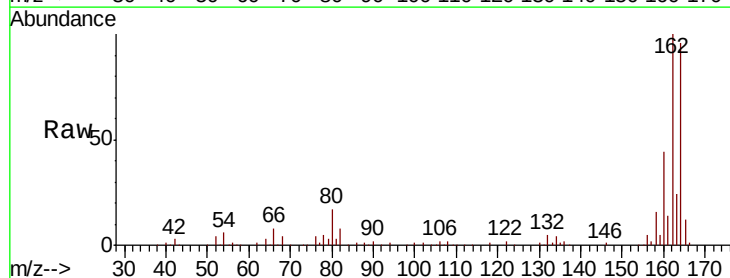
Tgt Ion: 164 Resp: 132081

Ion Ratio Lower Upper

164 100

162 103.8 83.0 124.6

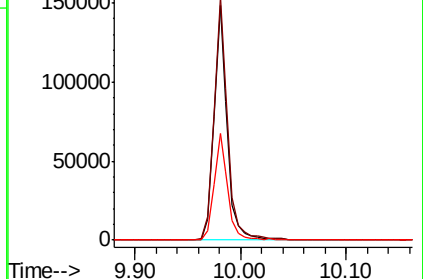
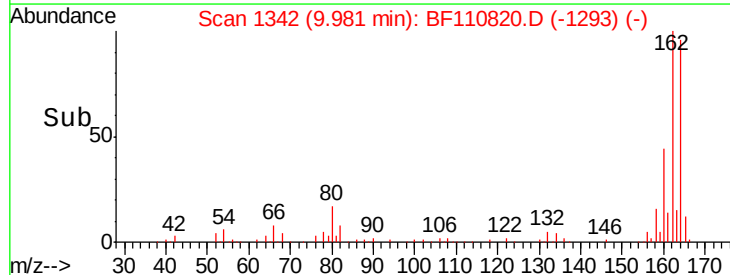
160 45.6 37.0 55.6

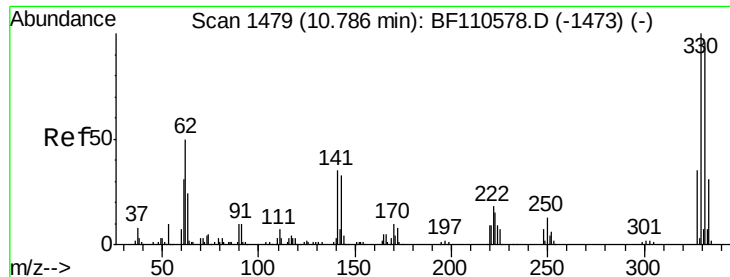


Abundance Ion 164.00 (163.70 to 164.70): BF110820.D (-1293) (-)

Ion 162.00 (161.70 to 162.70): BF110820.D (-1293) (-)

Ion 160.00 (159.70 to 160.70): BF110820.D (-1293) (-)





#42

2,4,6-Tribromophenol

Concen: 36.056 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

Instrument :

BNA_F

ClientSampled :

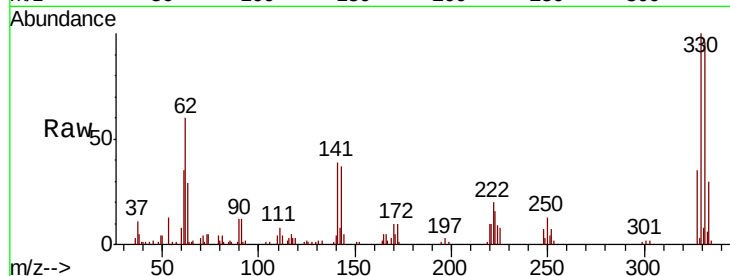
Tot Ion:330 Resp: 47986

Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

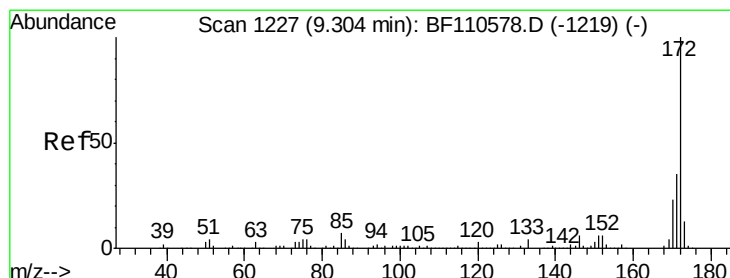
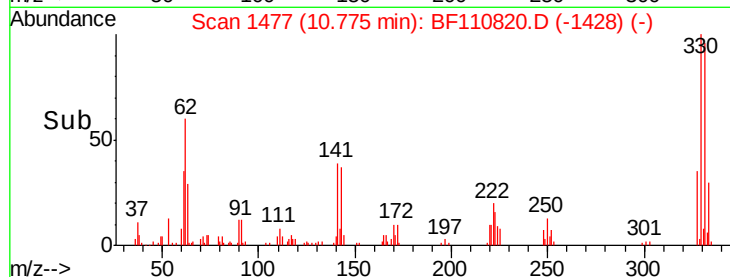
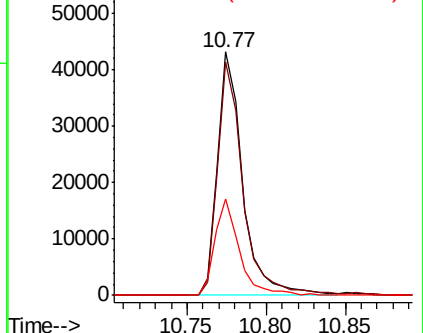
141 38.3 27.0 40.4



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: 31.268 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

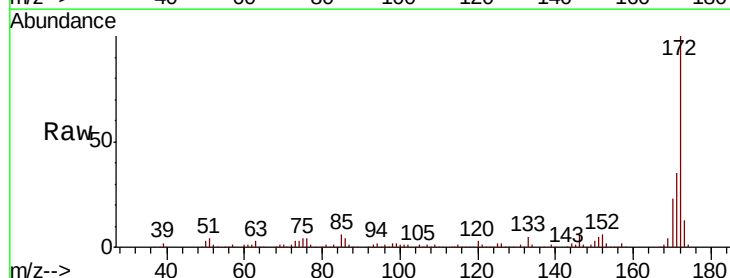
Tgt Ion:172 Resp: 289170

Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

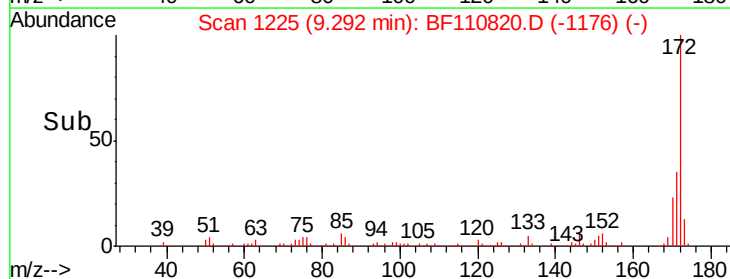
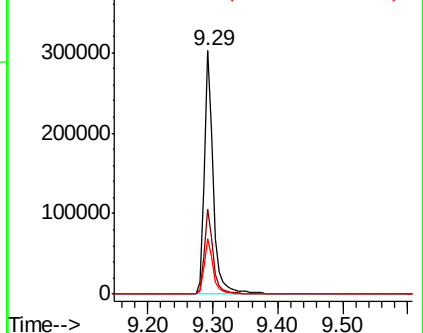
170 22.8 19.7 29.5

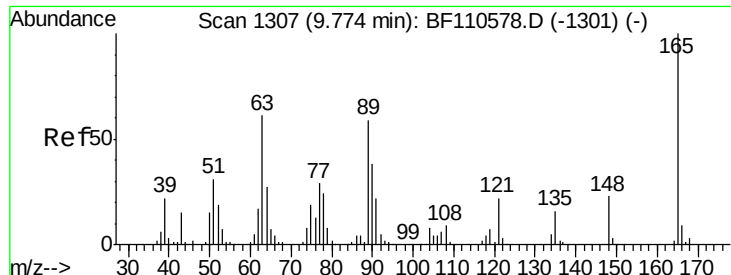


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

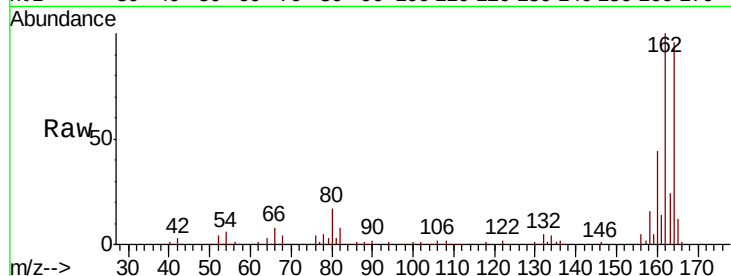




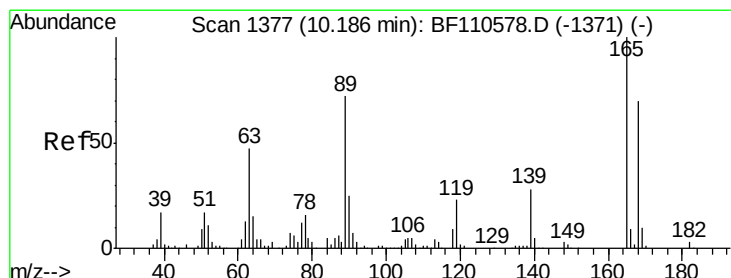
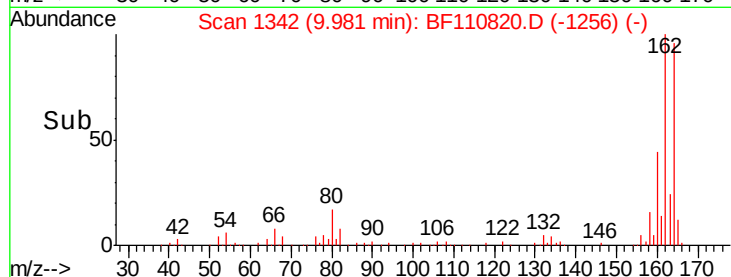
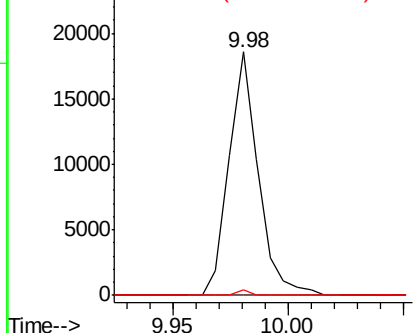
#51
 2,6-Dinitrotoluene
 Concen: 7.579 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110820.D
 Acq: 16 Nov 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.1	46.6	69.8#



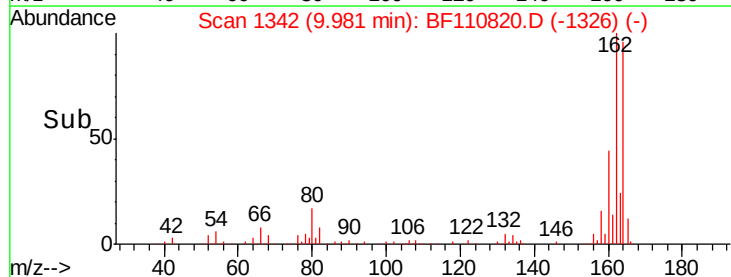
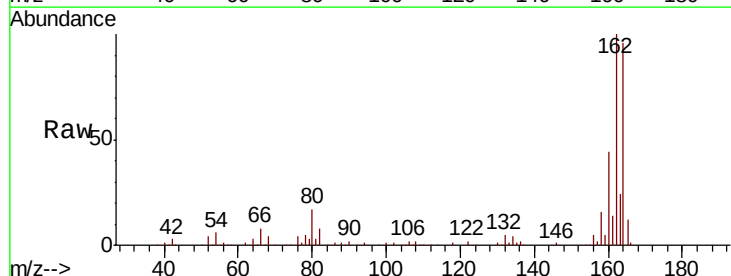
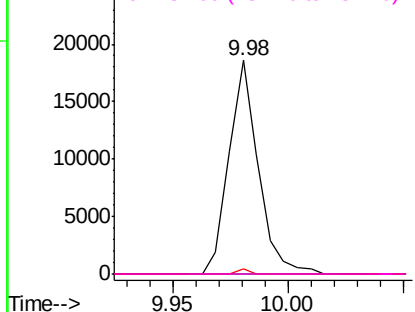
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

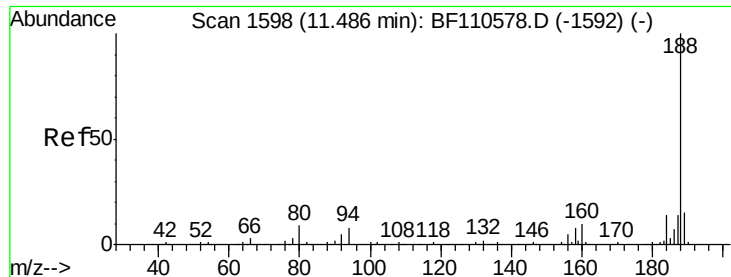


#57
 2,4-Dinitrotoluene
 Concen: 5.829 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110820.D
 Acq: 16 Nov 2018 16:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.1	62.2	93.4#
182	0.0	2.1	3.1#

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

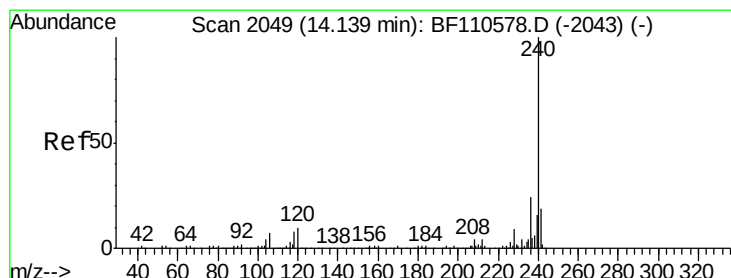
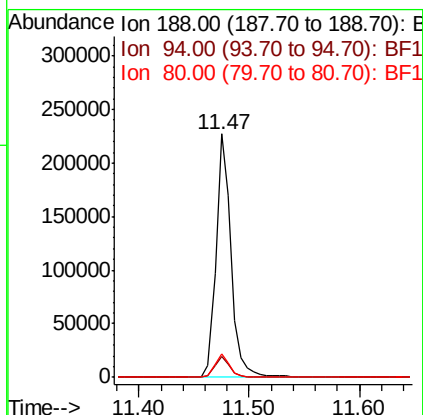
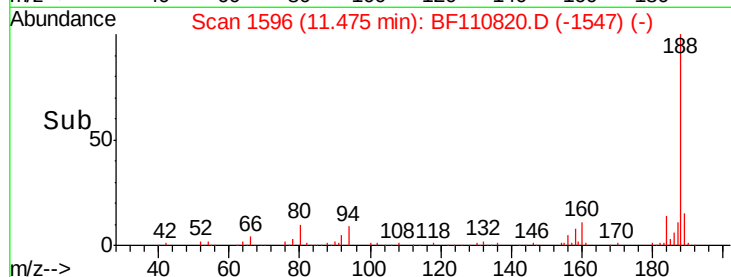
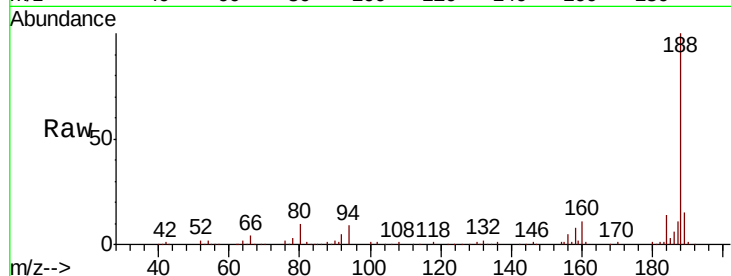




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110820.D
Acq: 16 Nov 2018 16:52

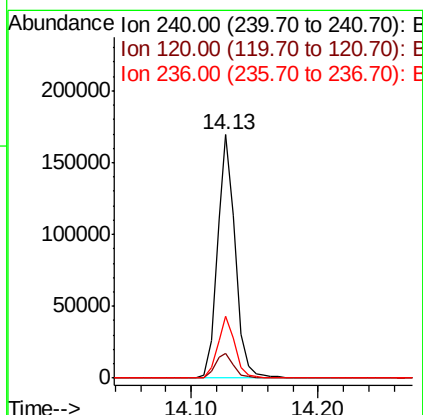
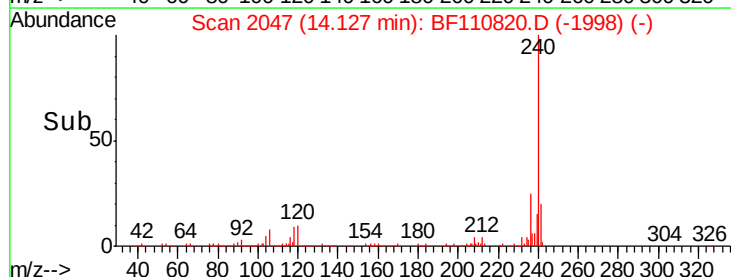
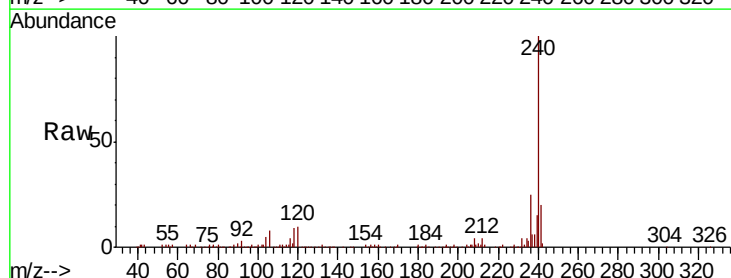
Instrument :
BNA_F
ClientSampleId :

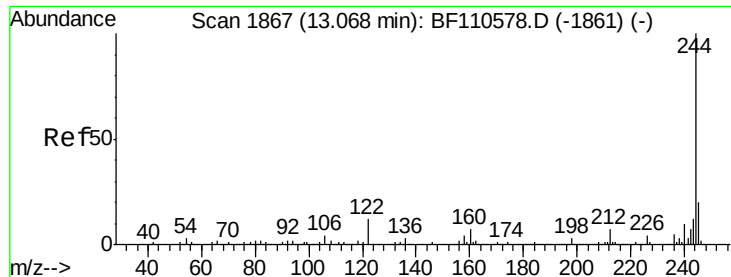
Tot Ion:188 Resp: 213254
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.8 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110820.D
Acq: 16 Nov 2018 16:52

Tgt Ion:240 Resp: 166430
Ion Ratio Lower Upper
240 100
120 10.2 8.3 12.5
236 25.1 21.2 31.8





#79

Terphenyl-d14

Concen: 21.953 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

Instrument :

BNA_F

ClientSampleId :

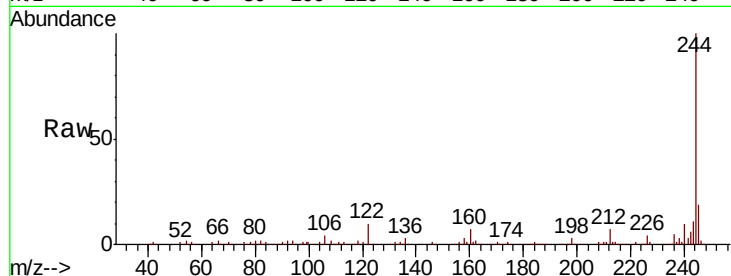
Tot Ion:244 Resp: 195094

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

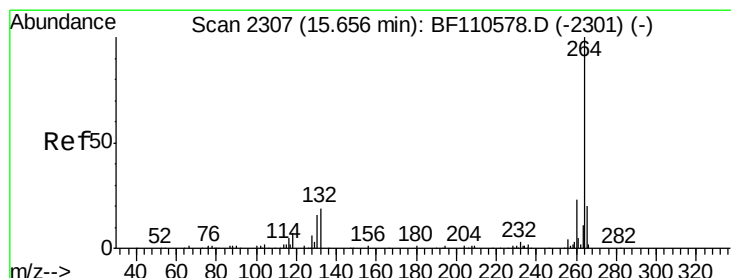
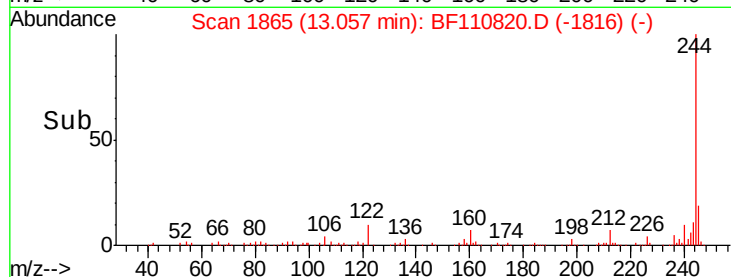
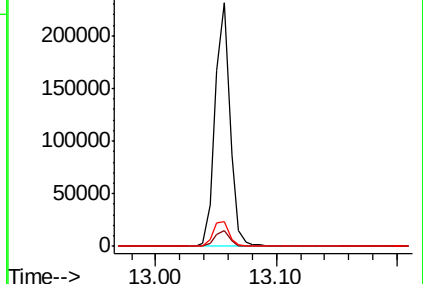
122 10.0 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110820.D

Acq: 16 Nov 2018 16:52

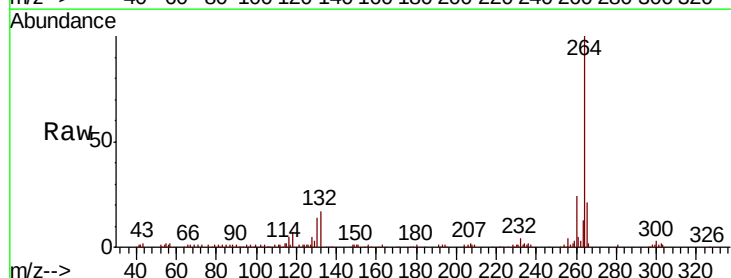
Tgt Ion:264 Resp: 133477

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 20.6 16.7 25.1



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

