

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111518\
 Data File : BF110798.D
 Acq On : 15 Nov 2018 19:45
 Operator : JU/SJ
 Sample : J5767-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 04:29:23 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

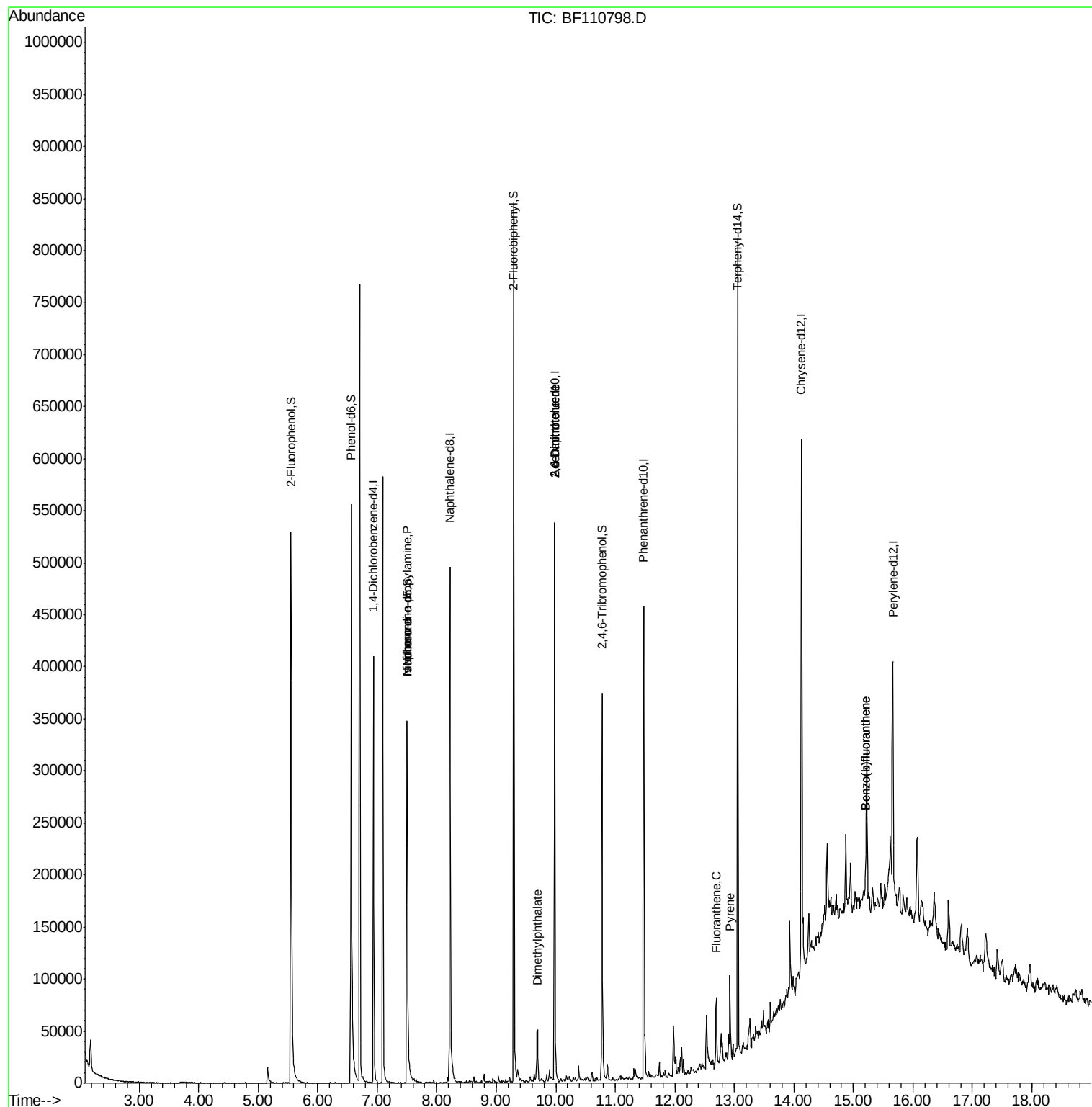
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	62484	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	251929	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	107226	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	175453	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	168720	20.00	ng	-0.01
87) Perylene-d12	15.66	264	118280	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	185469	48.21	ng	-0.01
7) Phenol-d6	6.56	99	235798	47.94	ng	-0.01
23) Nitrobenzene-d5	7.50	82	144396	33.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	45085	41.73	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	263391	35.08	ng	-0.01
79) Terphenyl-d14	13.06	244	222868	24.74	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	225	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.50	70	18668	5.945 ng	#	81
25) Isophorone	7.50	82	144408	20.141 ng	#	67
50) Dimethylphthalate	9.69	163	24281	3.035 ng		98
51) 2,6-Dinitrotoluene	9.98	165	13487	7.663 ng	#	22
57) 2,4-Dinitrotoluene	9.98	165	13487	5.894 ng	#	19
75) Fluoranthene	12.70	202	26063	2.766 ng		97
78) Pyrene	12.93	202	30482	2.346 ng		97
88) Benzo(b)fluoranthene	15.20	252	22952	3.244 ng	#	77
89) Benzo(k)fluoranthene	15.20	252	22952	3.283 ng	#	76

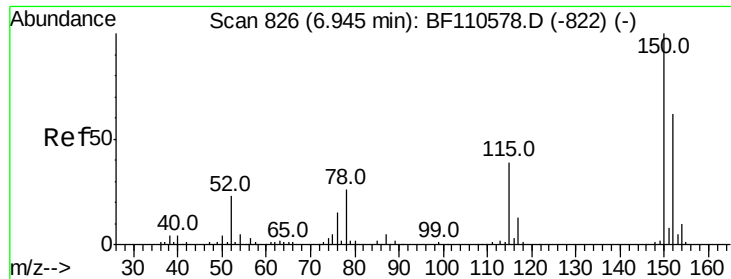
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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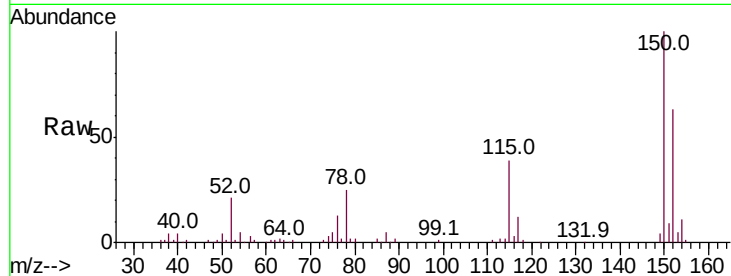


#1

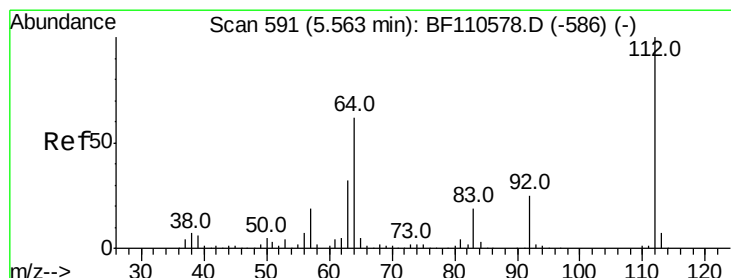
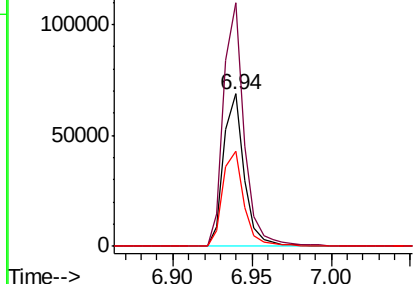
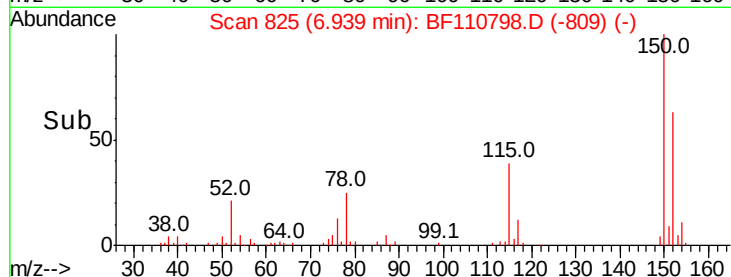
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110798.D
Acq: 15 Nov 2018 19:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 62484
Ion Ratio Lower Upper
152 100
150 159.9 122.7 184.1
115 62.8 49.1 73.7



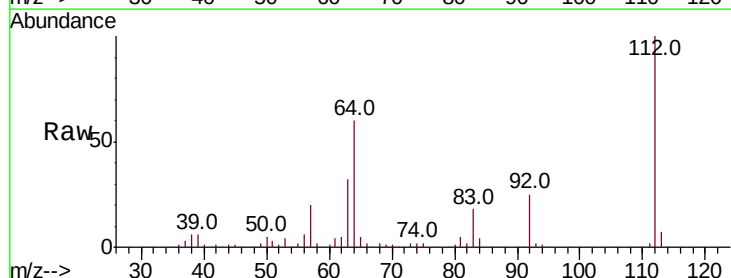
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



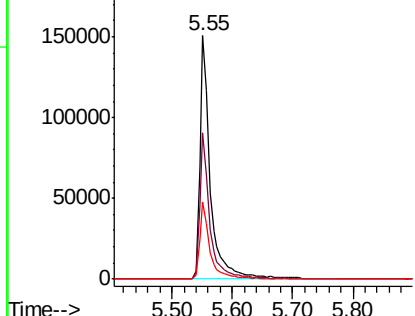
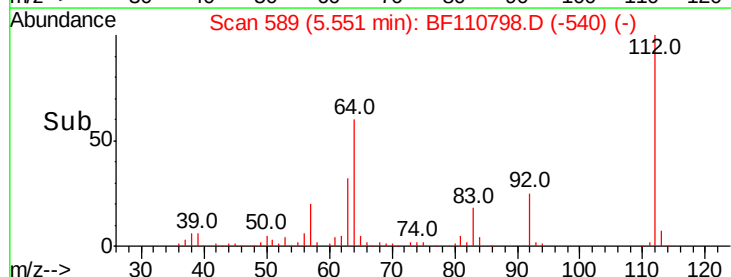
#5

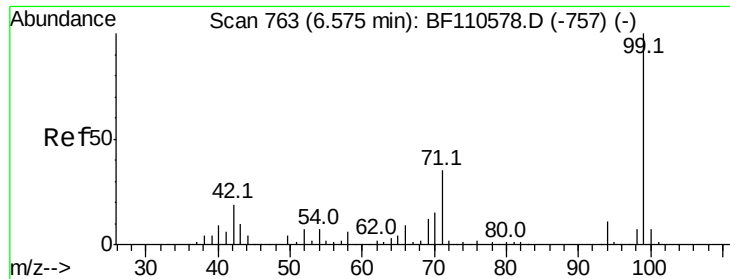
2-Fluorophenol
Concen: 48.214 ng
RT: 5.55 min Scan# 589
Delta R.T. -0.01 min
Lab File: BF110798.D
Acq: 15 Nov 2018 19:45

Tgt Ion:112 Resp: 185469
Ion Ratio Lower Upper
112 100
64 60.1 44.1 66.1
63 31.7 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: 47.935 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

Instrument :

BNA_F

ClientSampled :

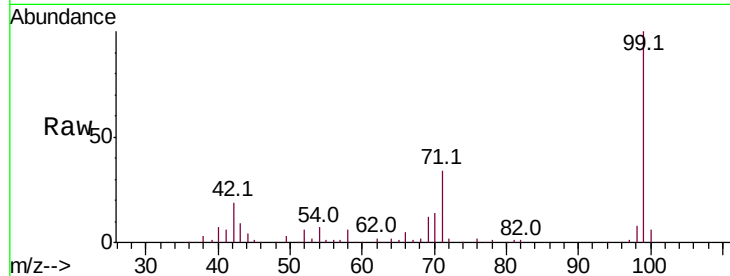
Tot Ion: 99 Resp: 235798

Ion Ratio Lower Upper

99 100

42 18.5 15.8 23.6

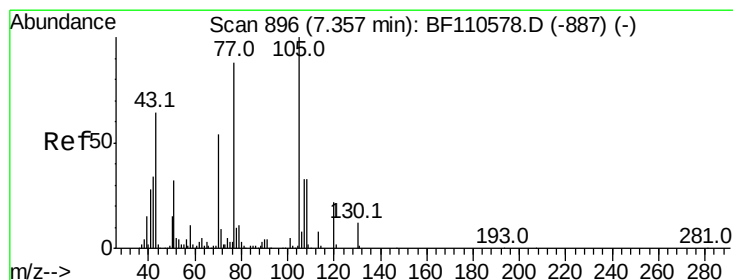
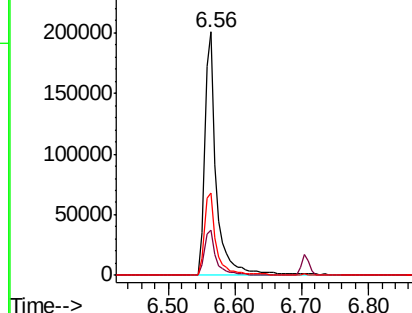
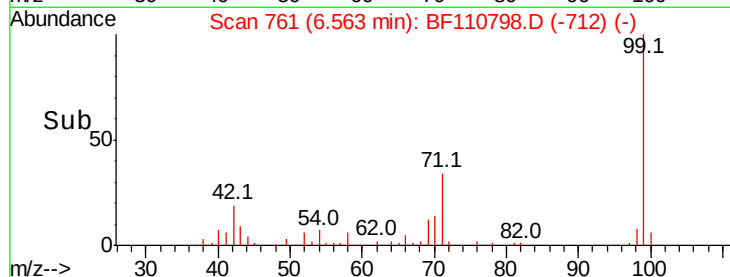
71 34.0 28.0 42.0



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: 5.945 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

Tgt Ion: 70 Resp: 18668

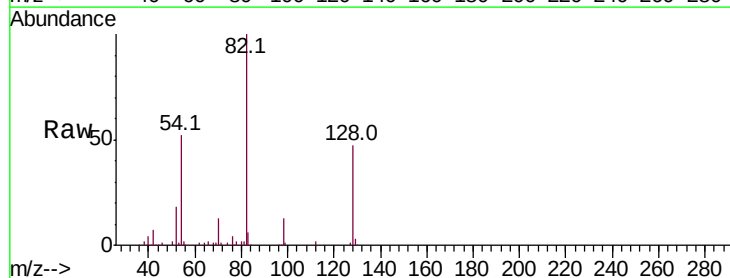
Ion Ratio Lower Upper

70 100

42 50.5 47.4 71.2

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#

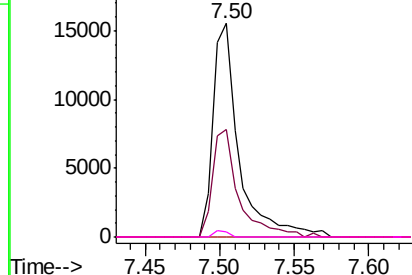
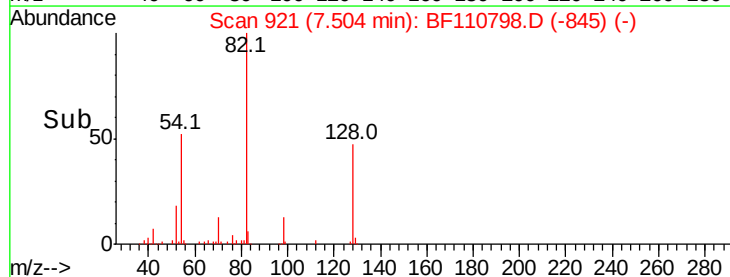


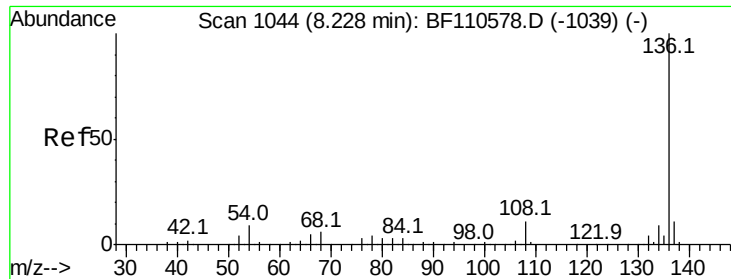
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

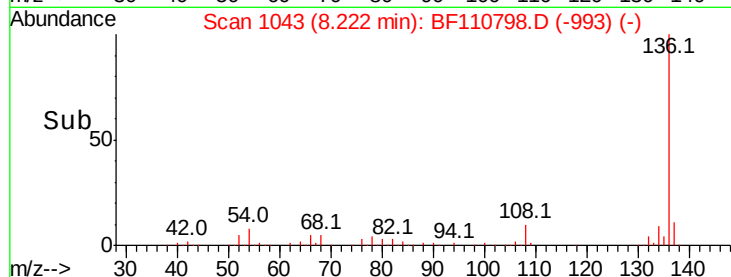
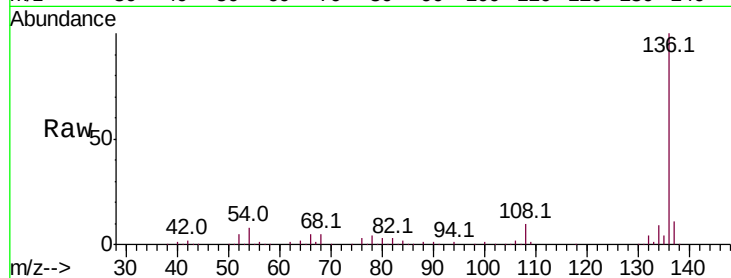




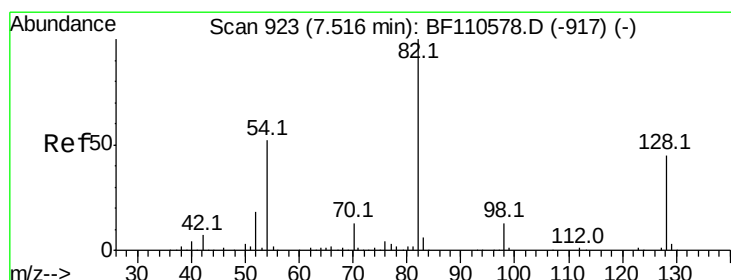
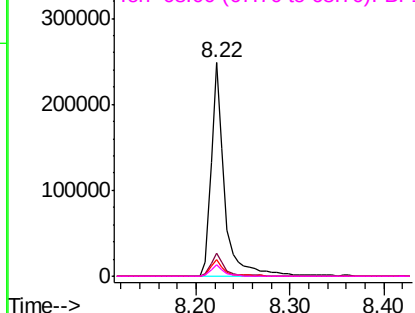
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110798.D
Acq: 15 Nov 2018 19:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	251929
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.9	5.4	8.2
68	5.2	4.2	6.2

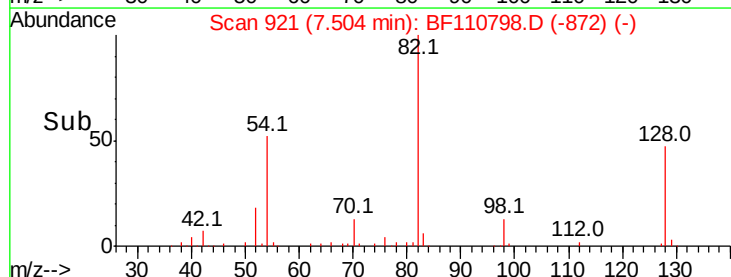
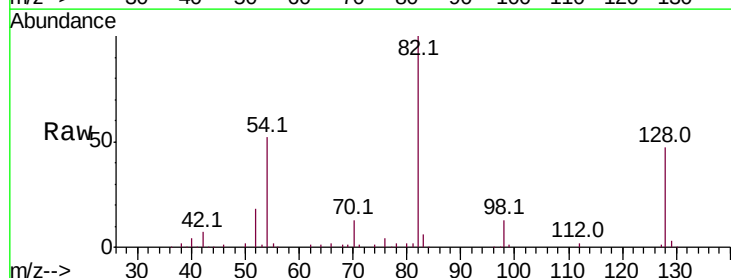


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

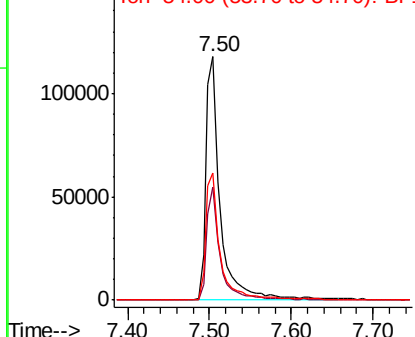


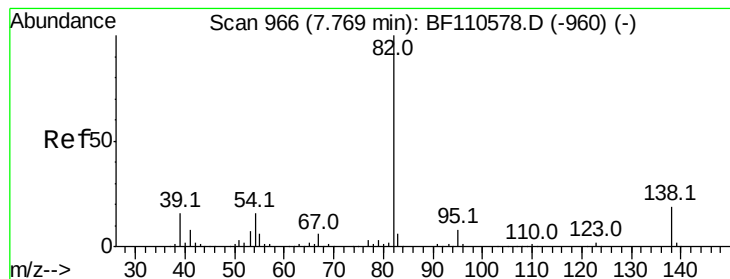
#23
Nitrobenzene-d5
Concen: 33.008 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110798.D
Acq: 15 Nov 2018 19:45

Tgt Ion:	82	Resp:	144396
Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.2	51.2
54	52.1	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: 20.141 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

Instrument :

BNA_F

ClientSampleId :

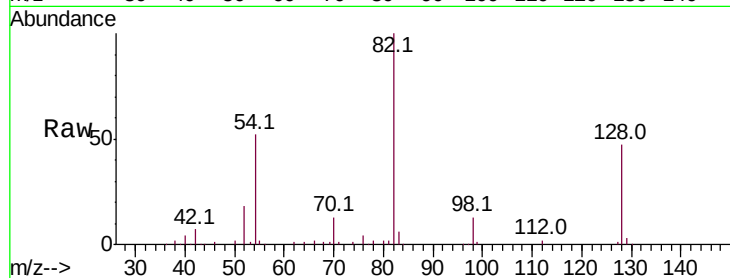
Tot Ion: 82 Resp: 144408

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

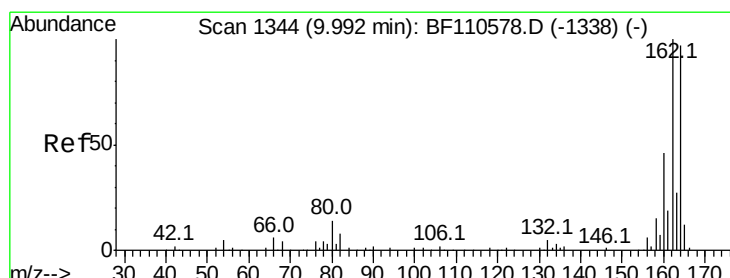
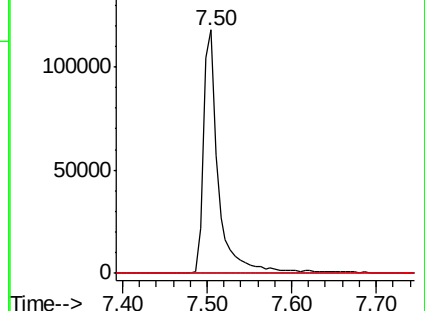
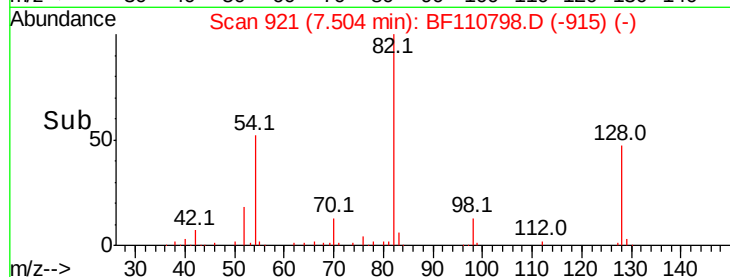
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): 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: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

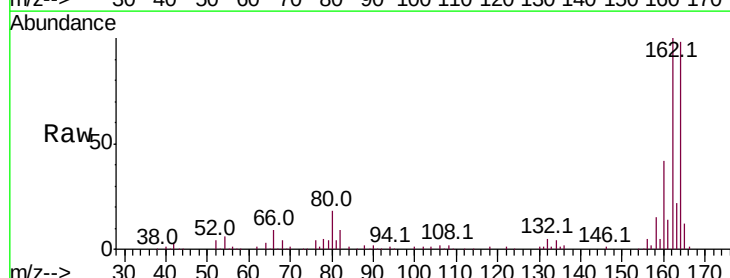
Tgt Ion:164 Resp: 107226

Ion Ratio Lower Upper

164 100

162 101.9 83.0 124.6

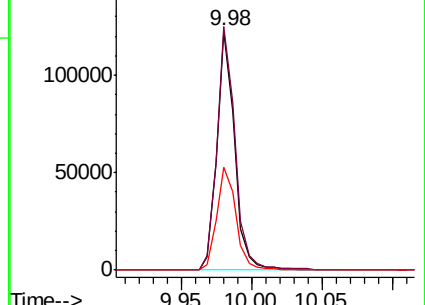
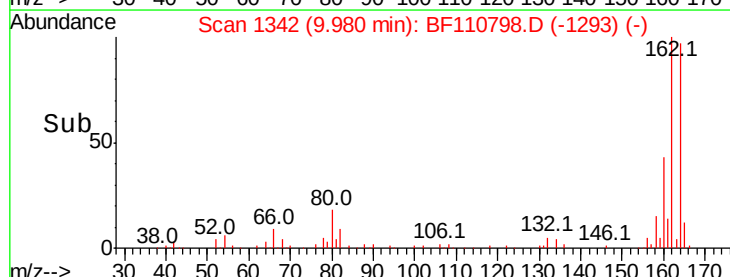
160 43.3 37.0 55.6

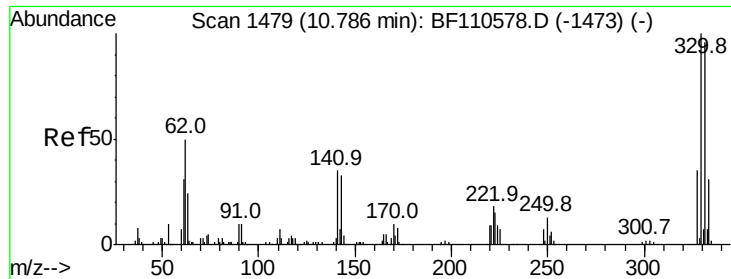


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

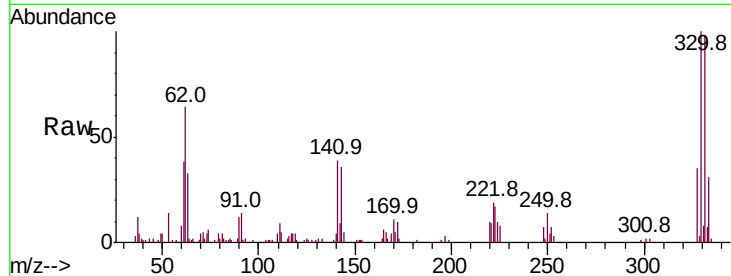




#42
 2,4,6-Tribromophenol
 Concen: 41.729 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF110798.D
 Acq: 15 Nov 2018 19:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	38.0	27.0	40.4

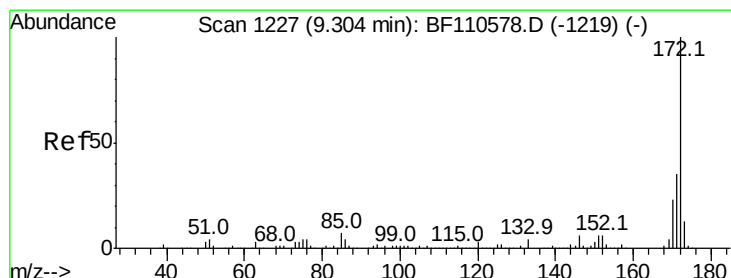
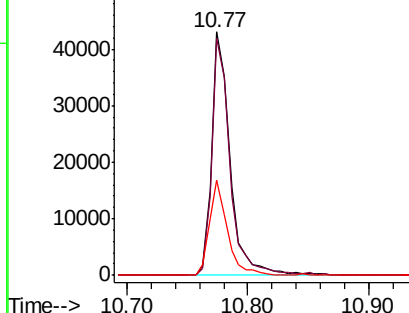
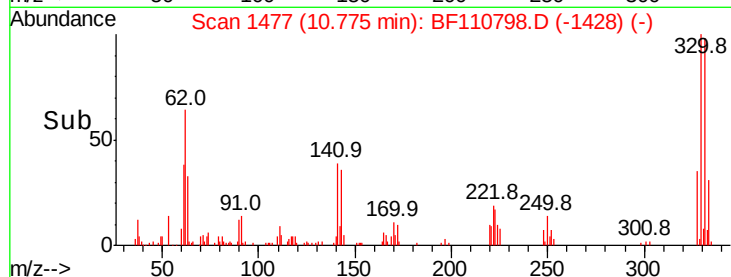


Abundance

Ion 329.80 (329.50 to 330.50): E

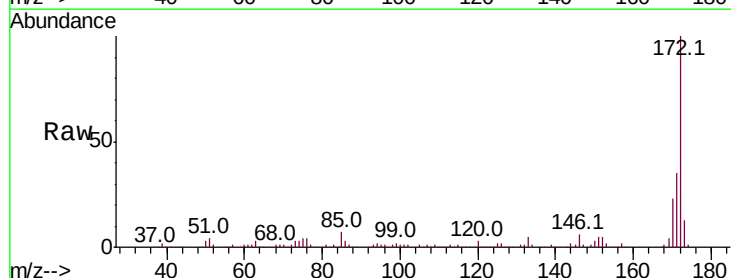
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 35.082 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF110798.D
 Acq: 15 Nov 2018 19:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.4	19.7	29.5

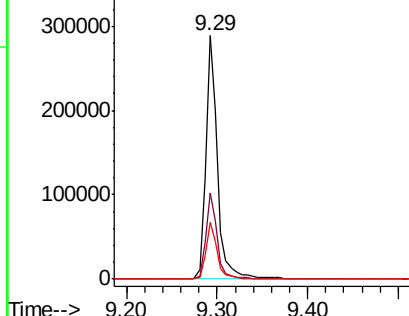
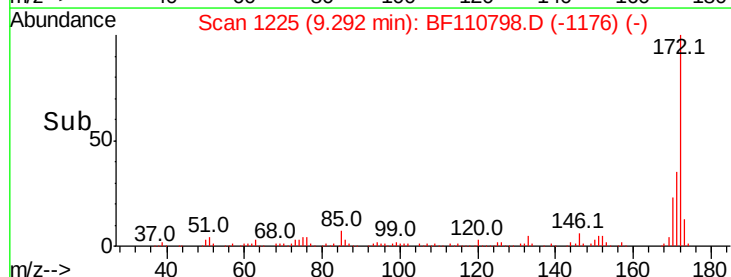


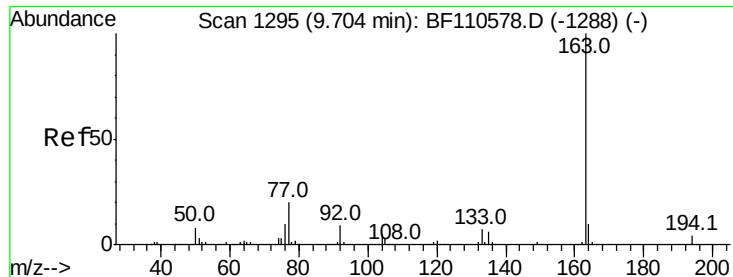
Abundance

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





#50

Dimethylphthalate

Concen: 3.035 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

Instrument :

BNA_F

ClientSampleId :

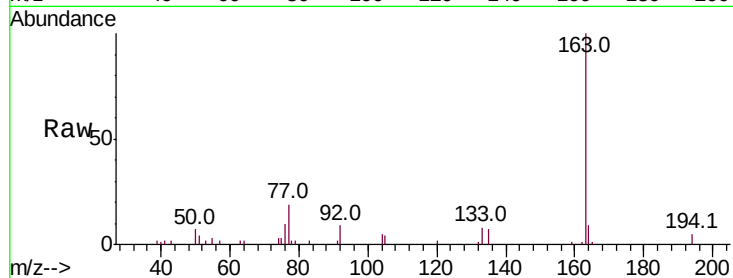
Tot Ion:163 Resp: 24281

Ion Ratio Lower Upper

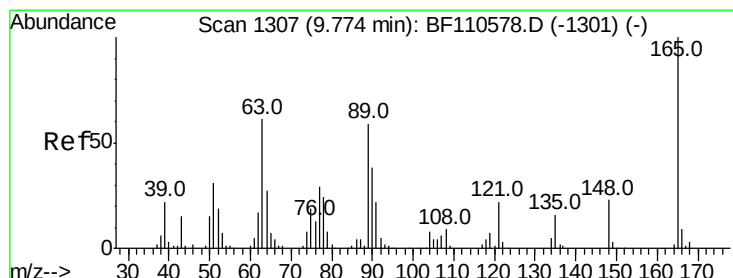
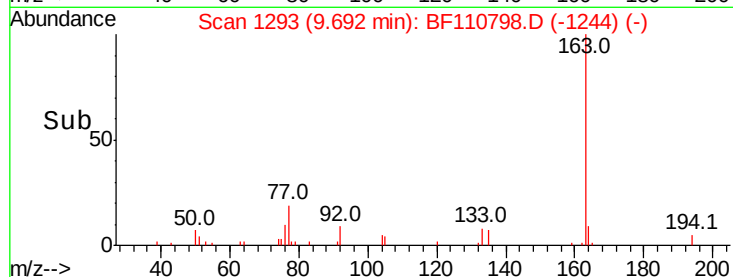
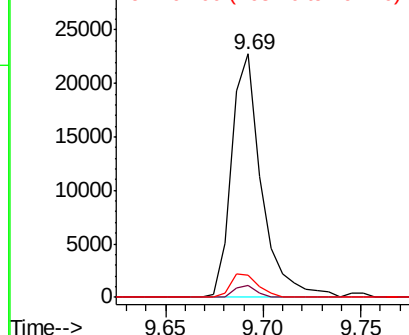
163 100

194 4.7 3.2 4.8

164 9.4 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: 7.663 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

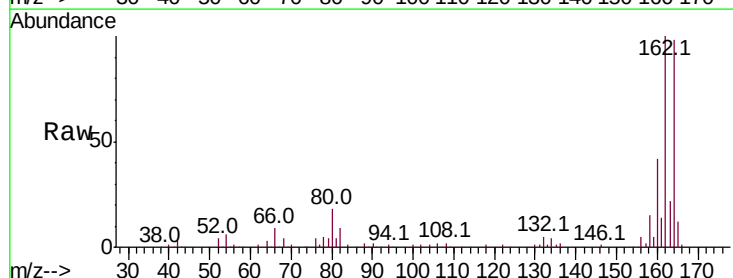
Tgt Ion:165 Resp: 13487

Ion Ratio Lower Upper

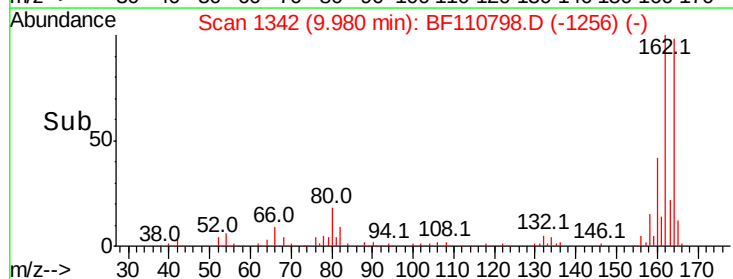
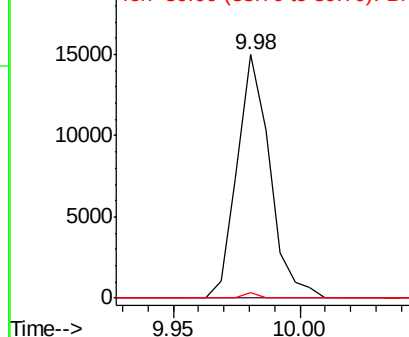
165 100

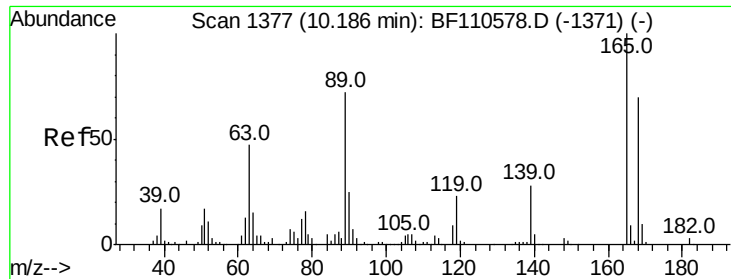
63 0.0 48.9 73.3#

89 2.5 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

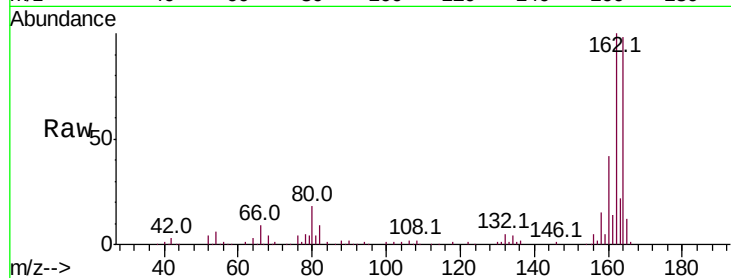




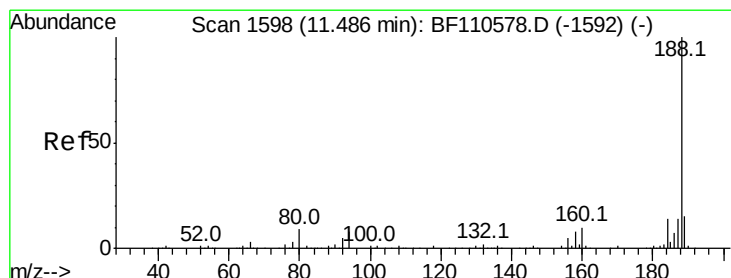
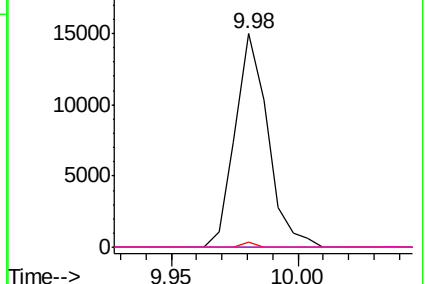
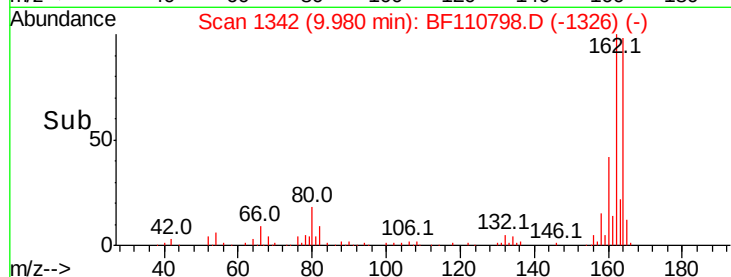
#57
 2,4-Dinitrotoluene
 Concen: 5.894 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110798.D
 Acq: 15 Nov 2018 19:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	13487
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.8 67.2#
89	2.5	62.2 93.4#
182	0.0	2.1 3.1#

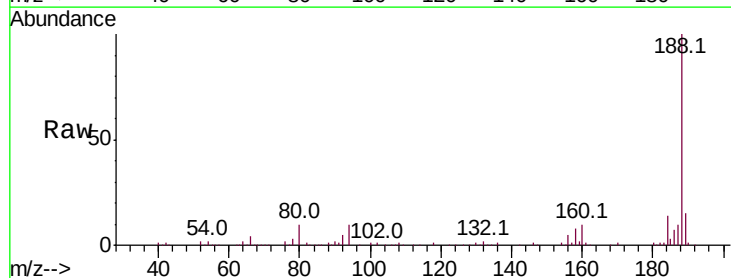


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

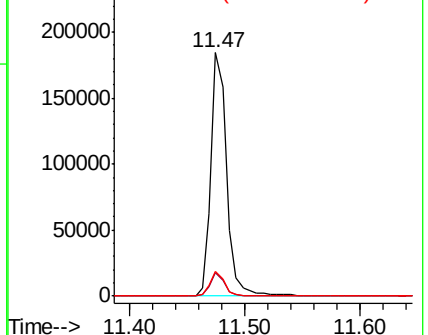
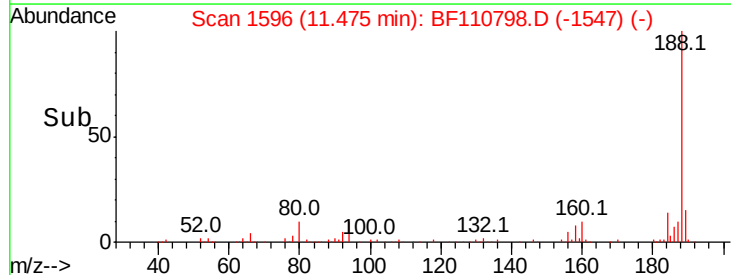


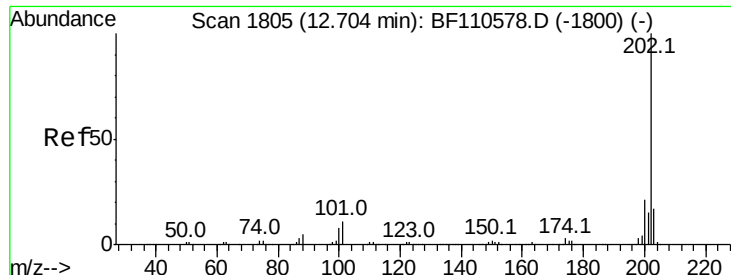
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110798.D
 Acq: 15 Nov 2018 19:45

Tgt Ion:188	Resp:	175453
Ion Ratio	Lower	Upper
188	100	
94	9.9	7.2 10.8
80	10.2	7.9 11.9



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





#75

Fluoranthene

Concen: 2.766 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110798.D

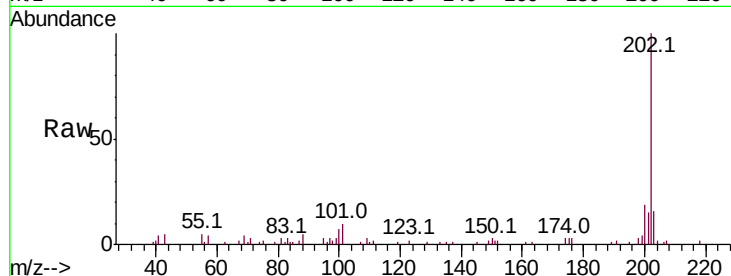
Acq: 15 Nov 2018 19:45

Instrument :

BNA_F

ClientSampleId :

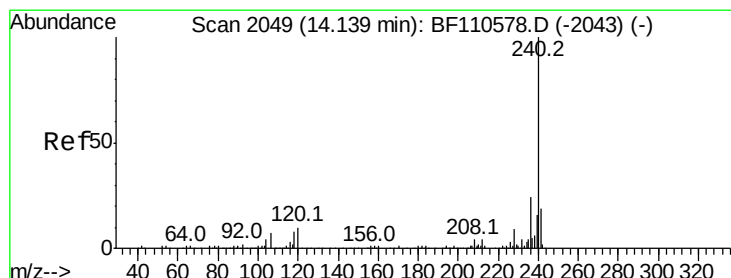
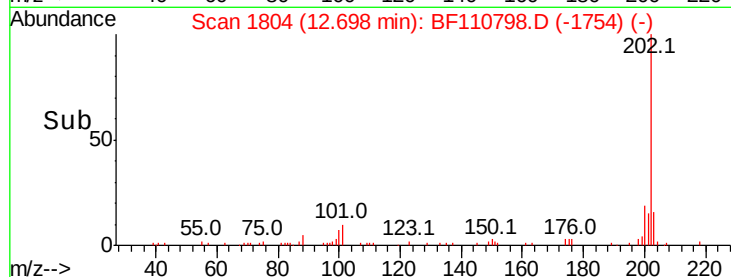
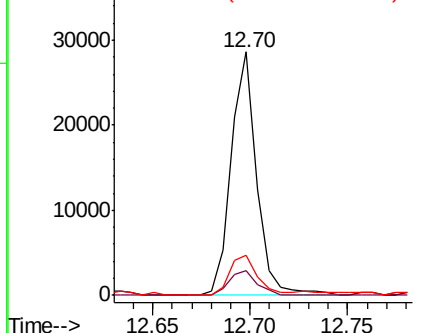
Tot Ion:	202	Resp:	26063
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.4
203	16.4	0.0	37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

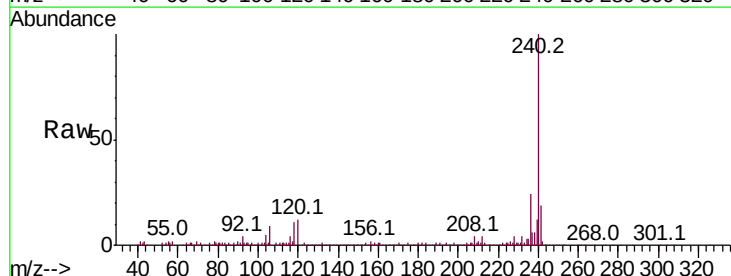
RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

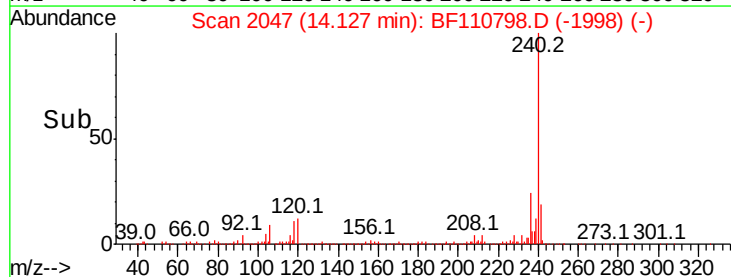
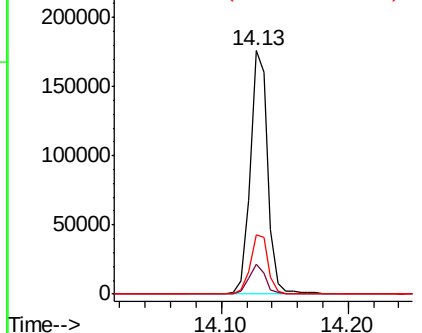
Tgt Ion:	240	Resp:	168720
Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.3	12.5
236	24.3	21.2	31.8

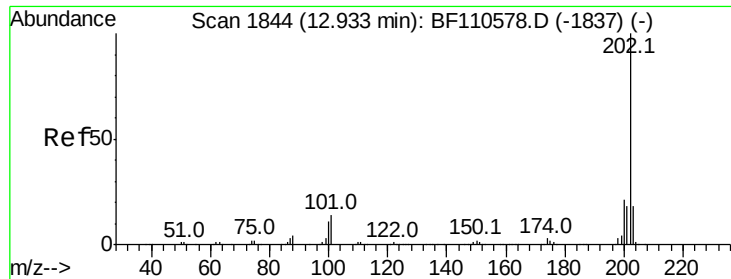


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

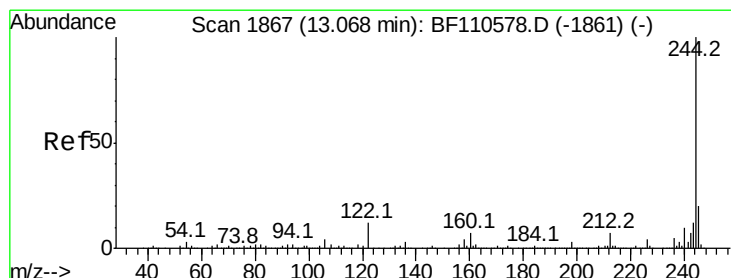
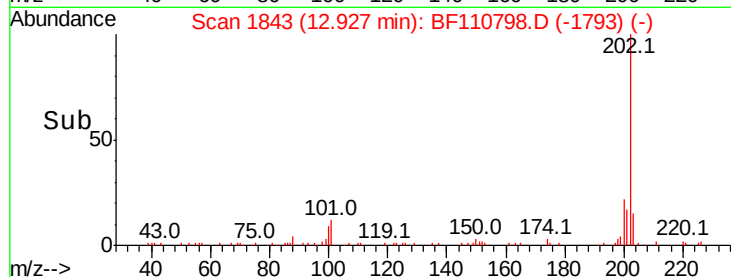
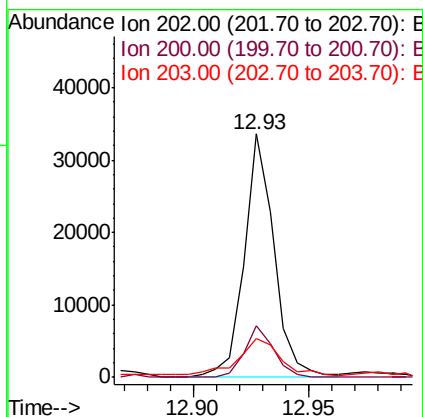
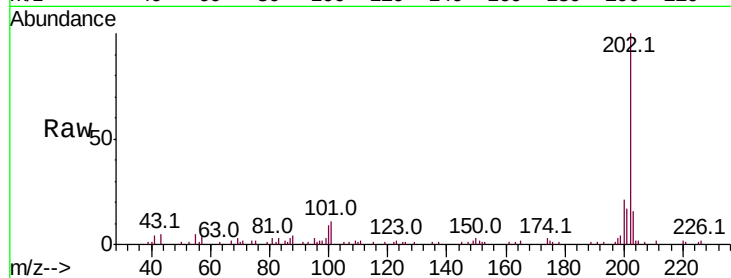




#78
Pvrene
Concen: 2.346 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110798.D
Acq: 15 Nov 2018 19:45

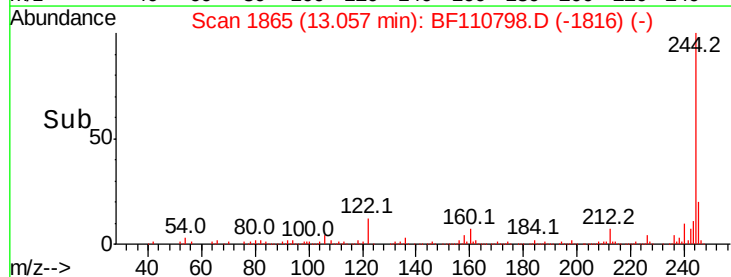
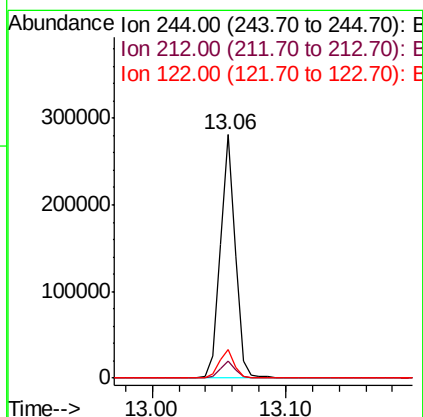
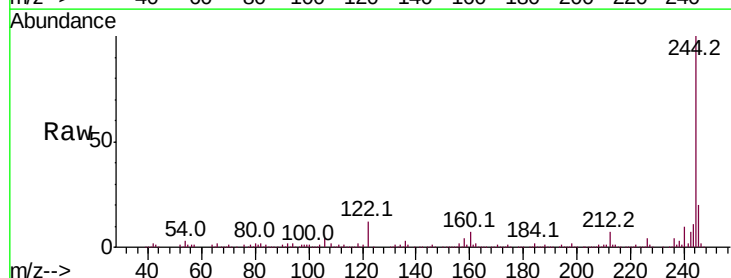
Instrument :
BNA_F
ClientSampleId :

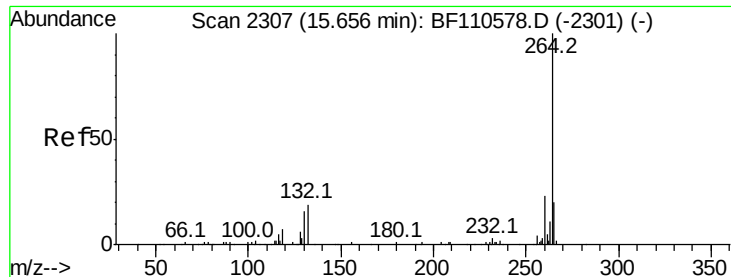
Tot Ion:202 Resp: 30482
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.6
203 16.0 14.2 21.4



#79
Terphenyl-d14
Concen: 24.738 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110798.D
Acq: 15 Nov 2018 19:45

Tgt Ion:244 Resp: 222868
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 11.6 8.7 13.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

Instrument :

BNA_F

ClientSampleId :

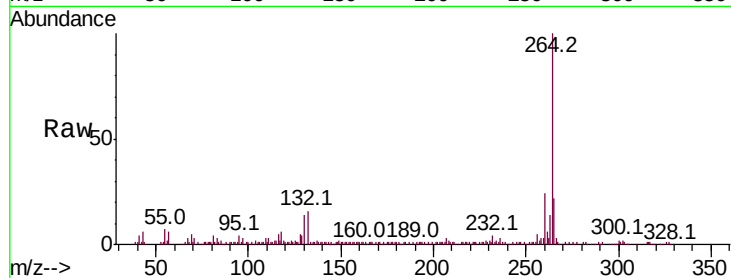
Tot Ion:264 Resp: 118280

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

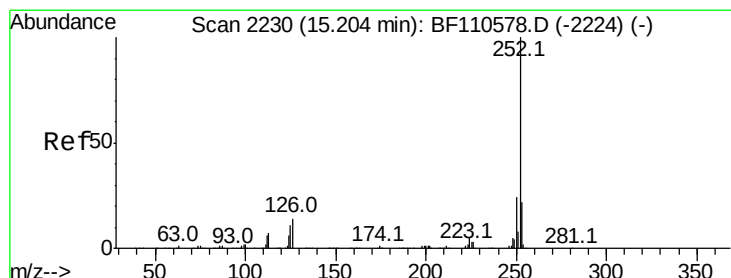
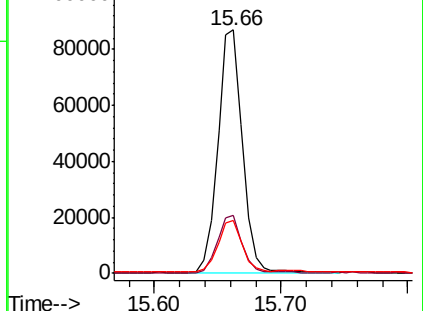
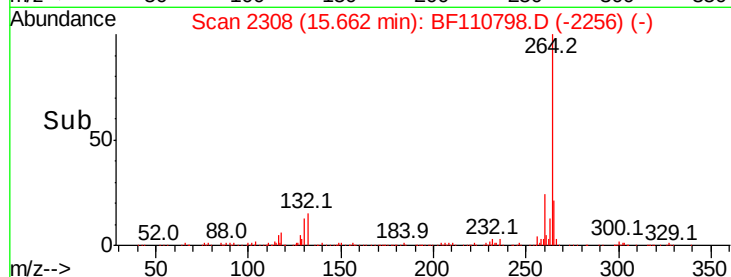
265 21.5 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 3.244 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

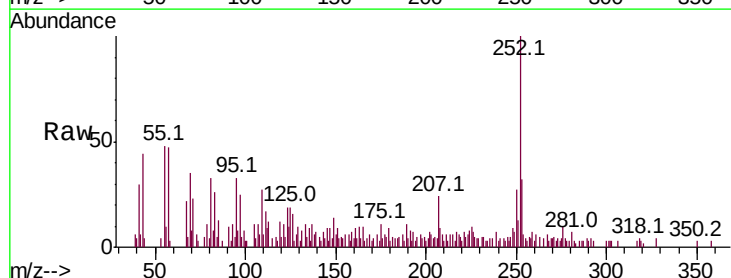
Tgt Ion:252 Resp: 22952

Ion Ratio Lower Upper

252 100

253 32.1 17.2 25.8#

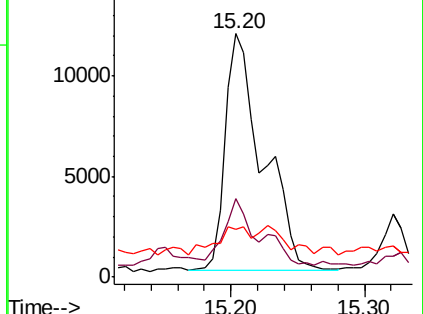
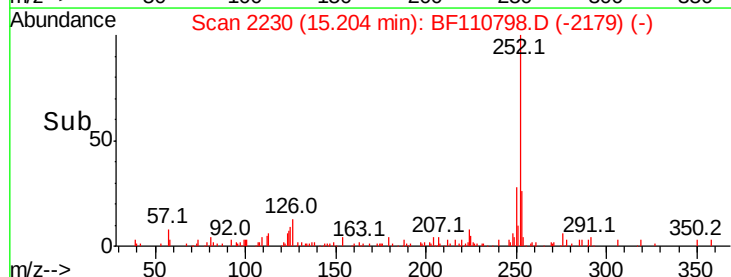
125 19.4 8.2 12.4#

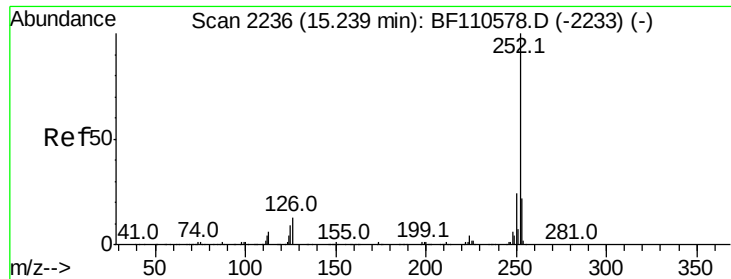


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.283 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110798.D

Acq: 15 Nov 2018 19:45

Instrument :

BNA_F

ClientSampleId :

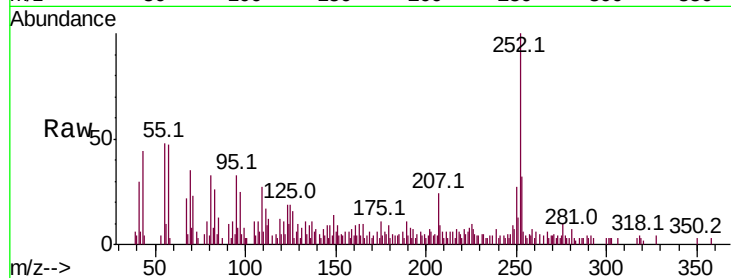
Tot Ion:252 Resp: 22952

Ion Ratio Lower Upper

252 100

253 32.1 17.2 25.8#

125 19.4 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

