

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111751.D
 Acq On : 27 Dec 2018 9:00
 Operator : JU/SJ
 Sample : J6492-01DL2 50X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 11:04:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

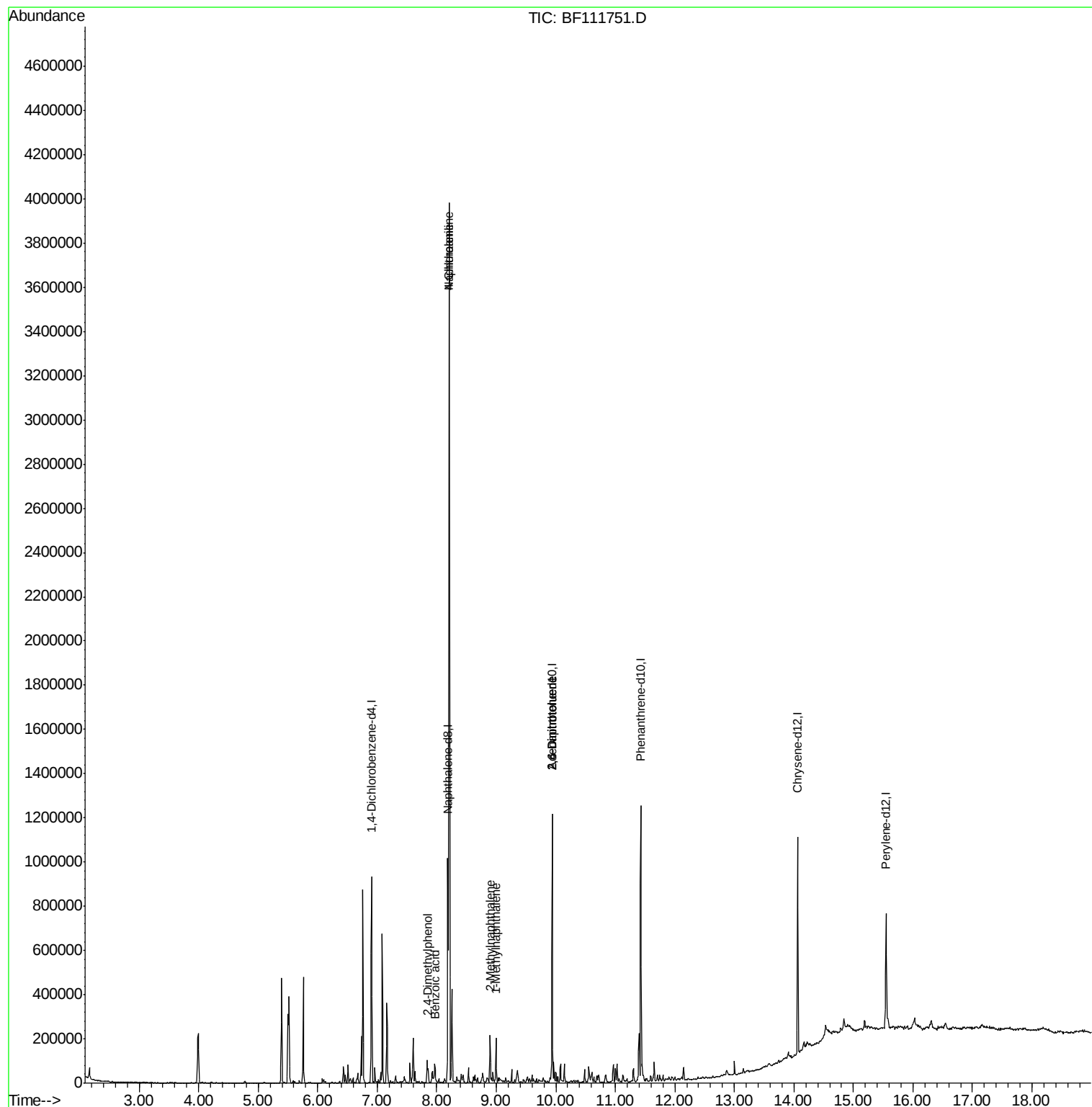
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	123193	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	443042	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	213559	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	421249	20.00	ng	0.01
76) Chrysene-d12	14.06	240	314868	20.00	ng	0.01
87) Perylene-d12	15.55	264	246868	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	4873	0.67	ng	0.01
7) Phenol-d6	6.53	99	3941	0.43	ng	0.01
23) Nitrobenzene-d5	7.46	82	8366	1.10	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	3968	1.57	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	18431	1.26	ng	0.00
79) Terphenyl-d14	13.00	244	17897	1.08	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	7.84	122	21973	3.445	ng	93
31) Naphthalene	8.21	128	1740462	81.760	ng	97
32) Benzoic acid	7.97	122	14750	3.498	ng	# 18
33) 4-Chloroaniline	8.21	127	232431	25.262	ng	# 32
37) 2-Methylnaphthalene	8.90	142	46022	3.323	ng	96
38) 1-Methylnaphthalene	9.00	142	48409	3.639	ng	99
51) 2,6-Dinitrotoluene	9.94	165	28220	9.062	ng	# 30
57) 2,4-Dinitrotoluene	9.94	165	28220	7.540	ng	# 25

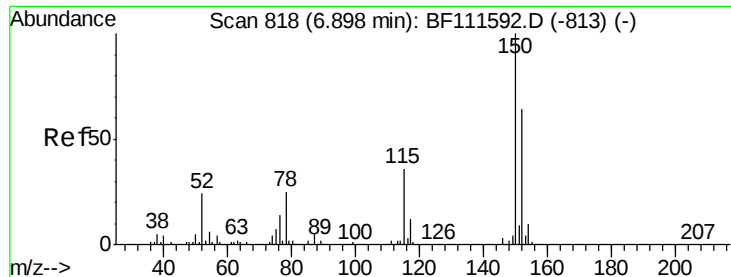
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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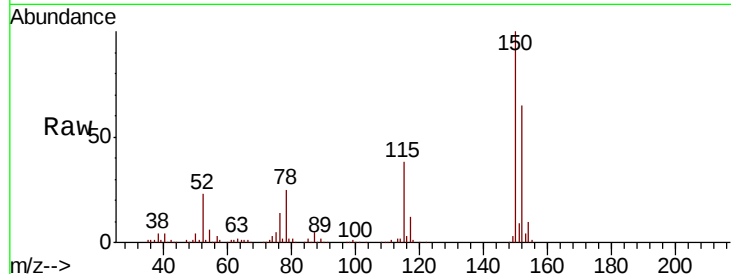


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.6	189.8
115	58.2	50.7	76.1

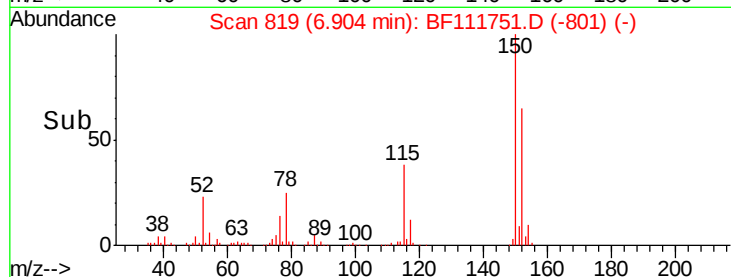
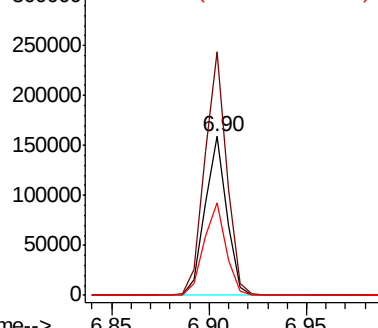


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

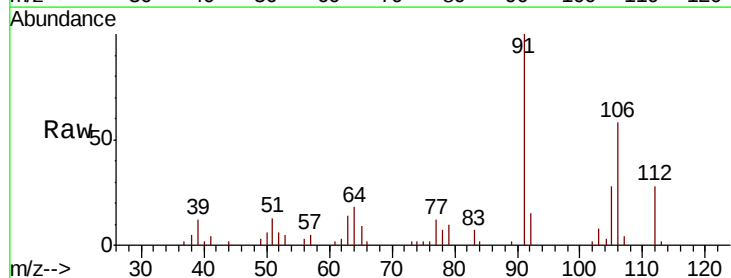
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.674 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	51.8	77.6
63	51.2	26.8	40.2

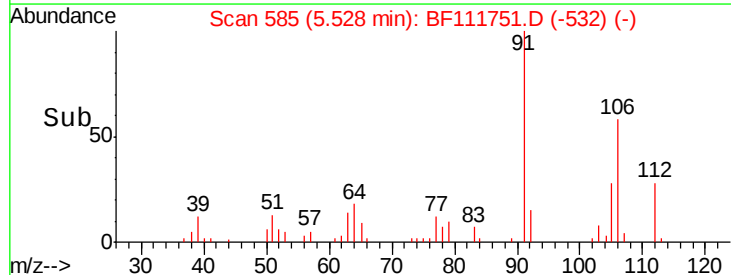
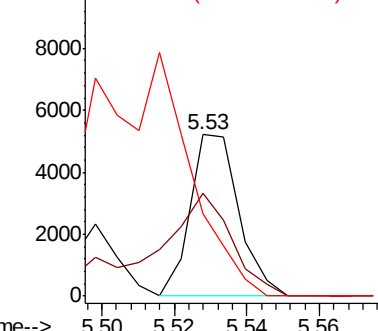


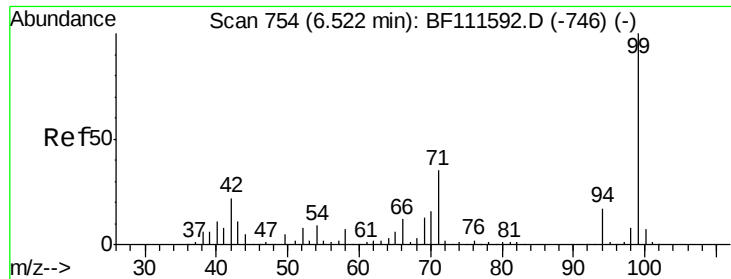
Abundance

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: 0.428 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

Instrument :

BNA_F

ClientSampled :

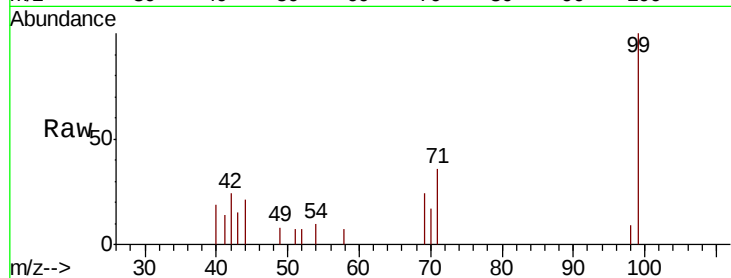
Tot Ion: 99 Resp: 3941

Ion Ratio Lower Upper

99 100

42 24.4 17.4 26.0

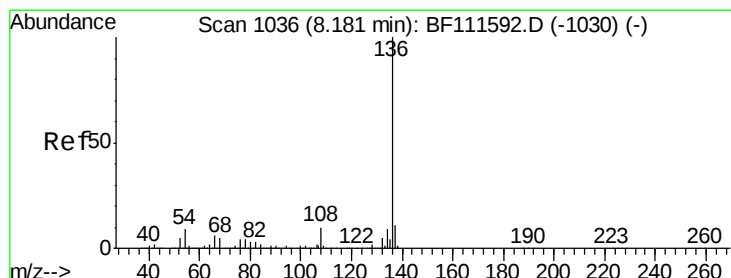
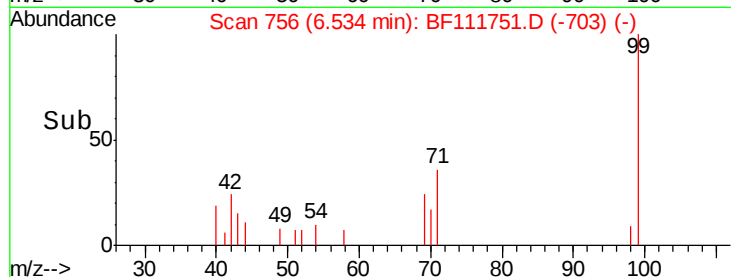
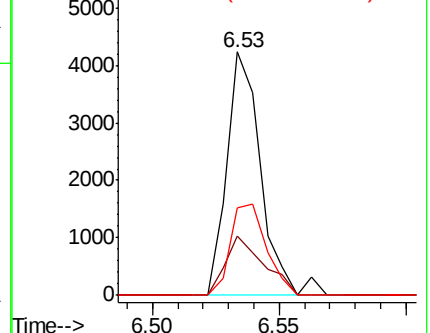
71 35.8 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

Tgt Ion: 136 Resp: 443042

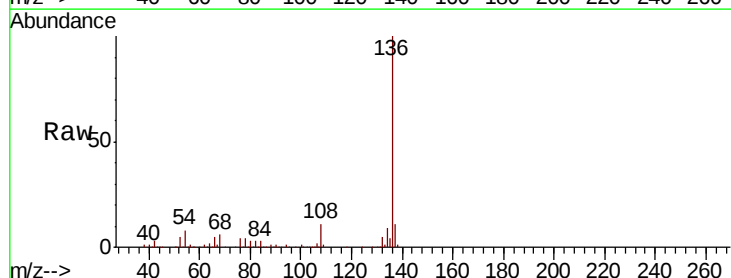
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.5 7.7 11.5

68 5.6 4.9 7.3

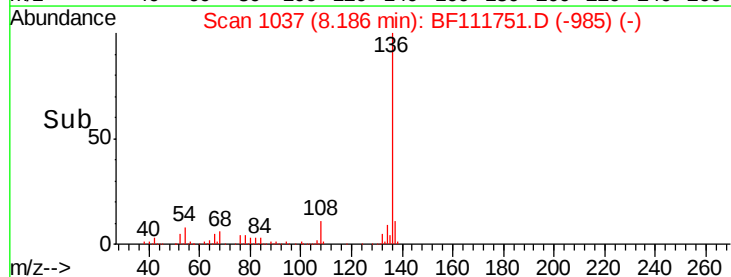
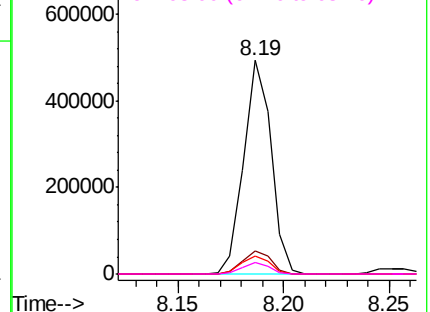


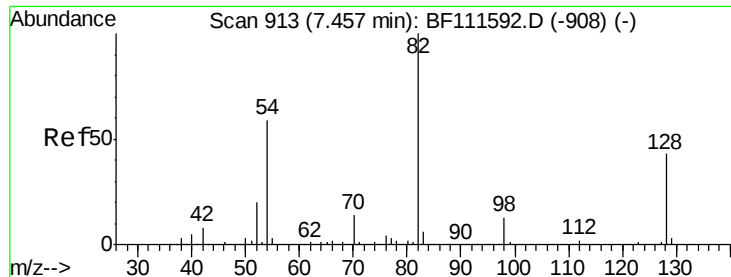
Abundance Ion 136.00 (135.70 to 136.70): E

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

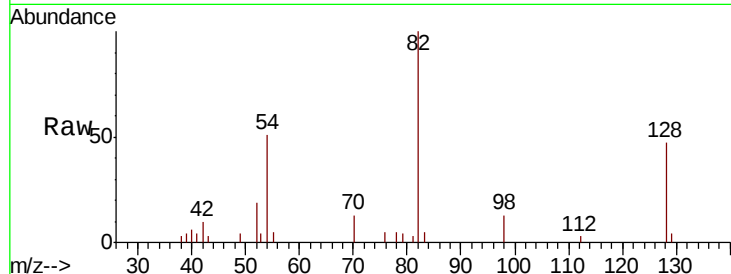




#23
Nitrobenzene-d5
Concen: 1.099 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	8366
Ion Ratio	100	Lower	Upper
128	47.5	37.4	56.2
54	50.5	47.6	71.4

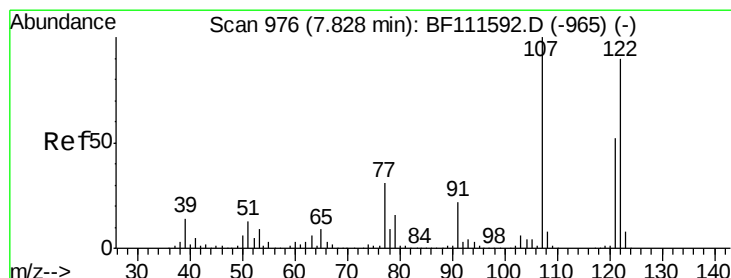
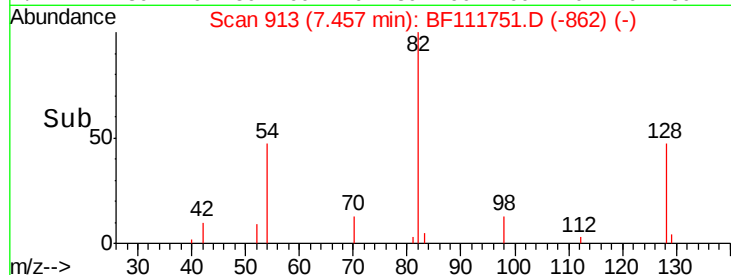
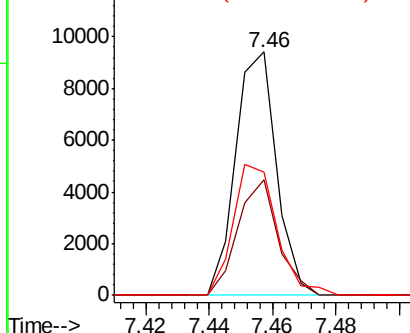


Abundance

Ion 82.00 (81.70 to 82.70): BF1

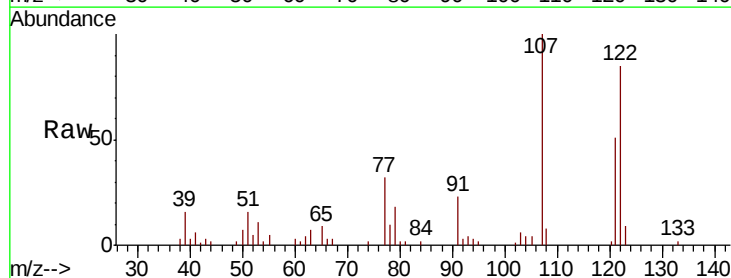
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#27
2,4-Dimethylphenol
Concen: 3.445 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Tgt Ion	122	Resp	21973
Ion Ratio	100	Lower	Upper
107	117.0	85.5	128.3
121	60.0	46.6	70.0

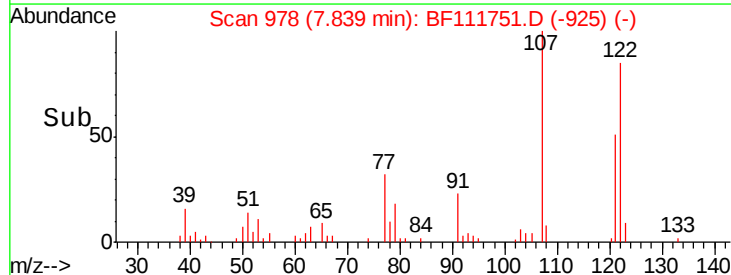
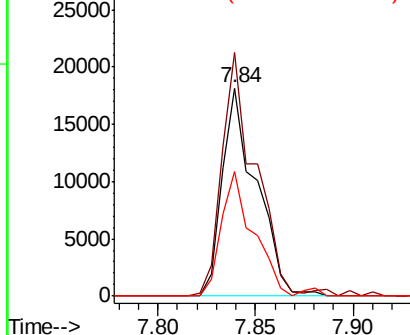


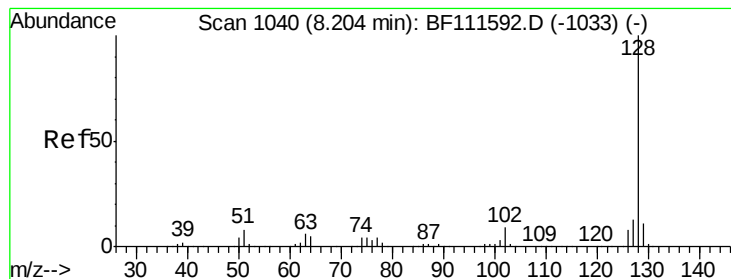
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 81.760 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

Instrument :

BNA_F

ClientSampled :

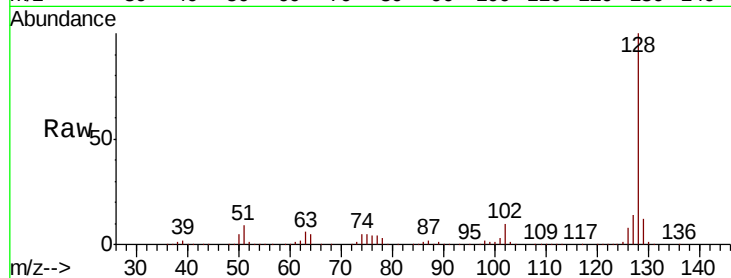
Tot Ion:128 Resp: 1740462

Ion Ratio Lower Upper

128 100

129 11.7 9.8 14.8

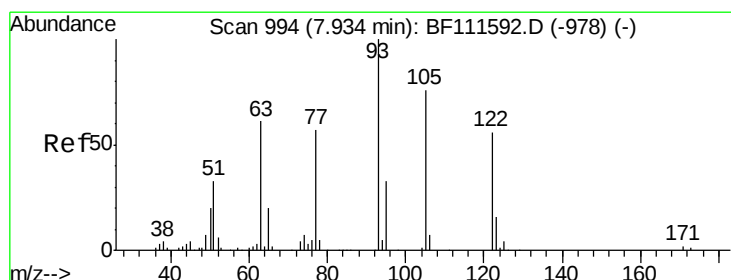
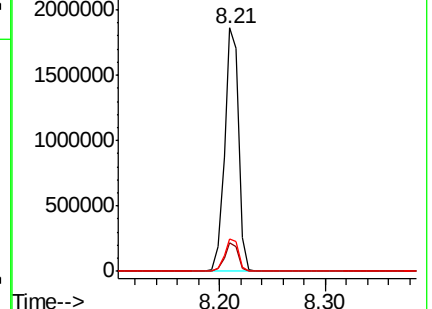
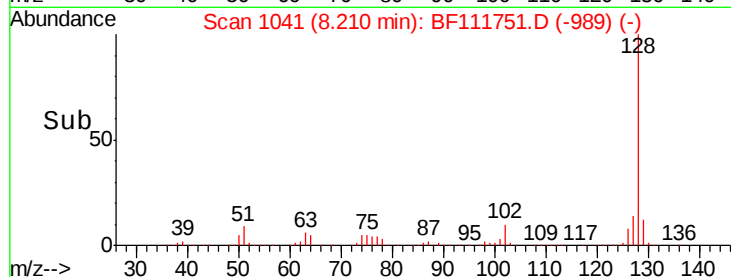
127 13.6 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.498 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.04 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

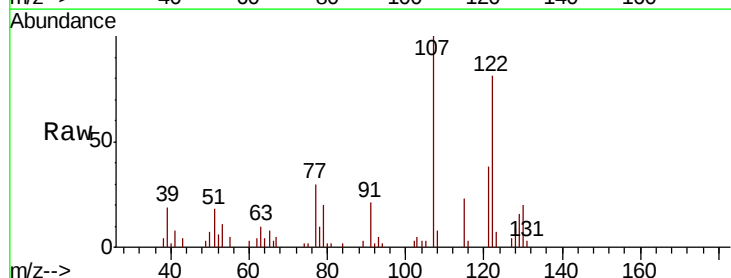
Tgt Ion:122 Resp: 14750

Ion Ratio Lower Upper

122 100

105 4.2 97.0 137.0#

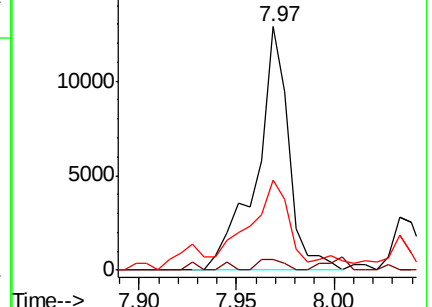
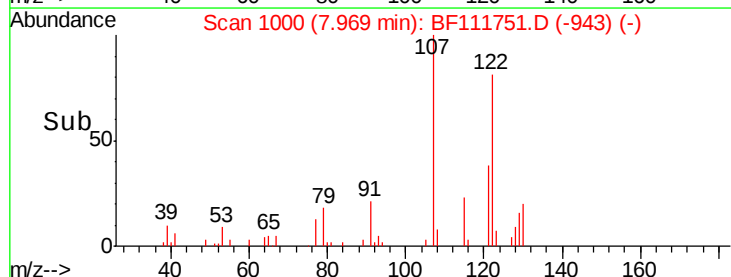
77 37.2 65.7 105.7#

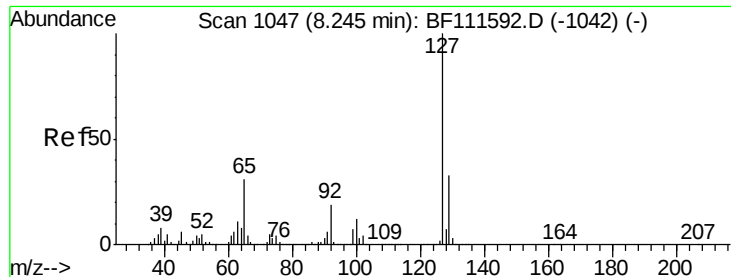


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

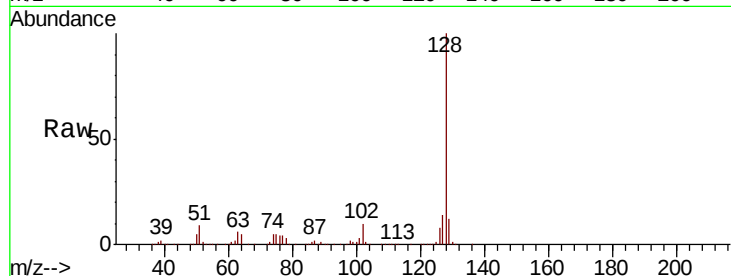




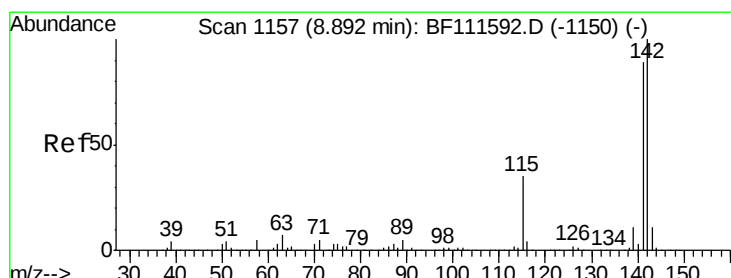
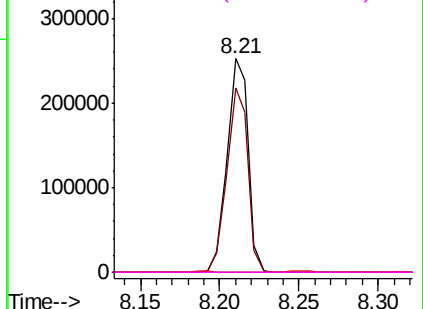
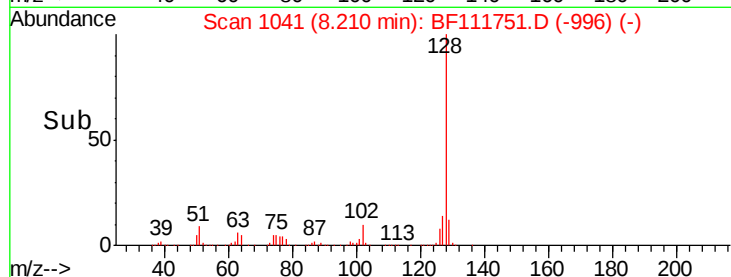
#33
4-Chloroaniline
Concen: 25.262 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.04 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	232431
Ion	Ratio	Lower	Upper
127	100		
129	86.6	26.6	39.8#
65	0.0	25.7	38.5#
92	0.0	15.4	23.2#

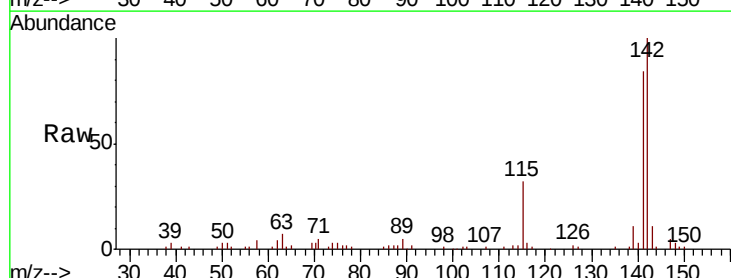


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

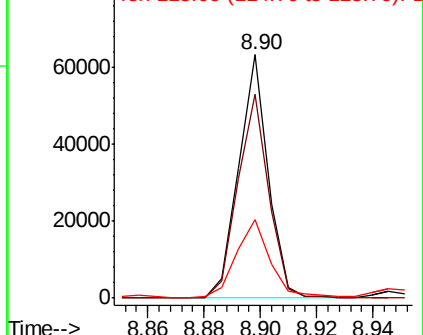
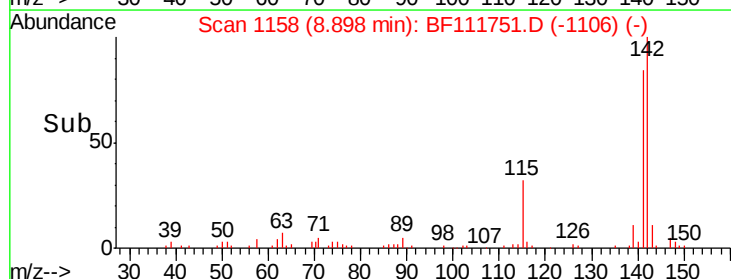


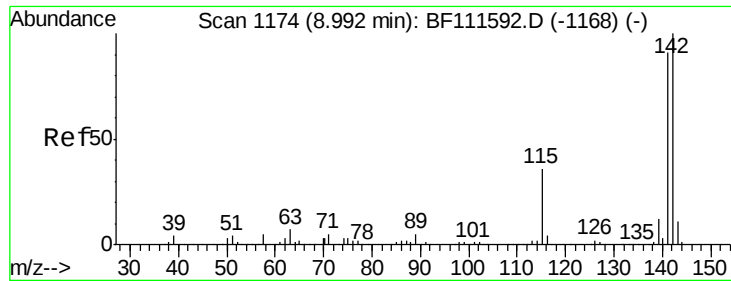
#37
2-Methylnaphthalene
Concen: 3.323 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Tgt Ion:	142	Resp:	46022
Ion	Ratio	Lower	Upper
142	100		
141	83.8	70.6	105.8
115	32.4	27.0	40.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

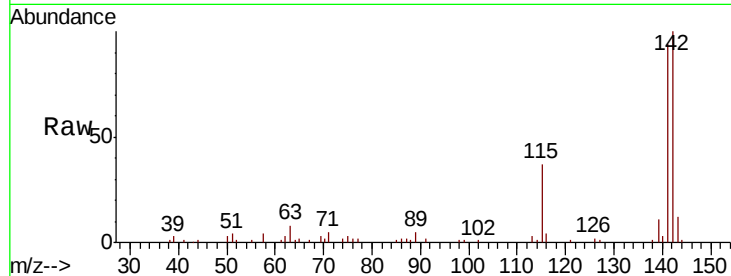




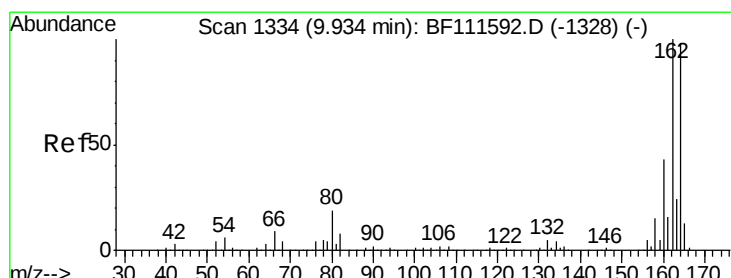
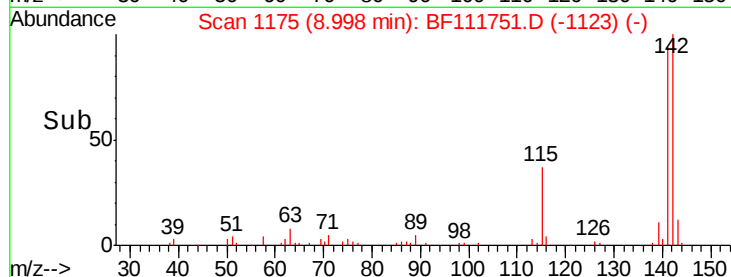
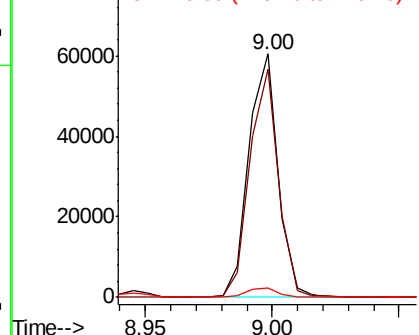
#38
1-Methylnaphthalene
Concen: 3.639 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 48409
Ion Ratio Lower Upper
142 100
141 93.6 74.2 111.4
116 3.8 2.9 4.3

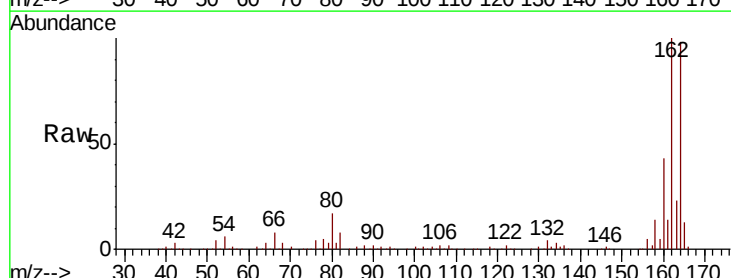


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

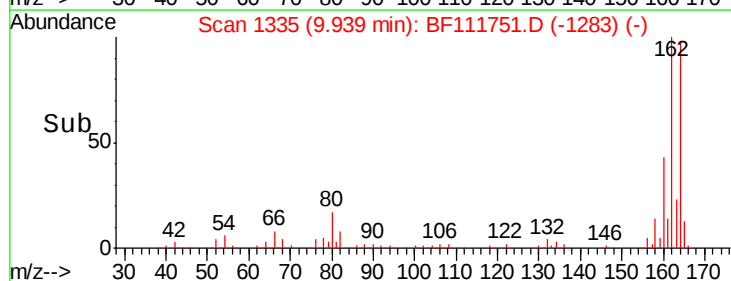
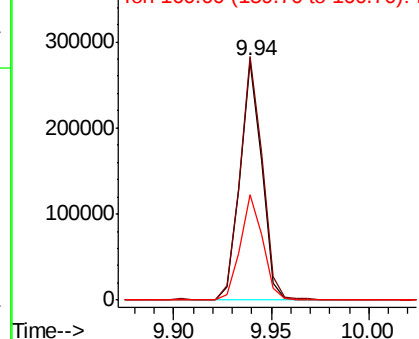


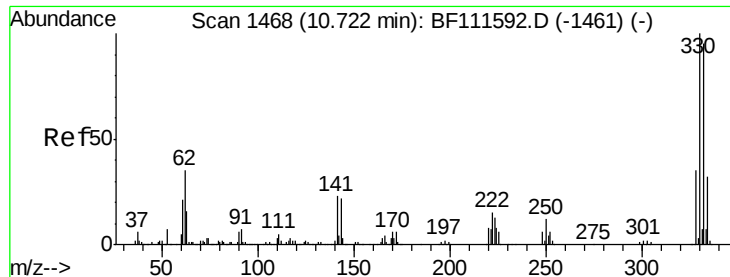
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Tgt Ion:164 Resp: 213559
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 44.0 35.7 53.5



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: 1.573 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

Instrument :

BNA_F

ClientSampleId :

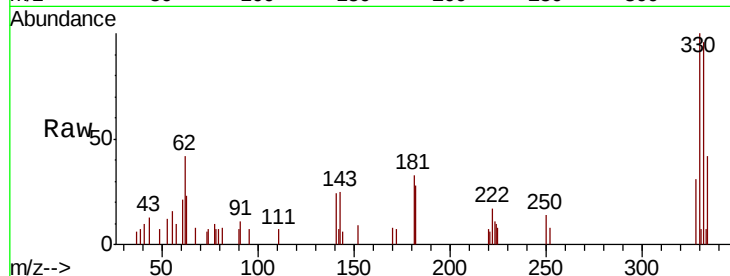
Tot Ion:330 Resp: 3968

Ion Ratio Lower Upper

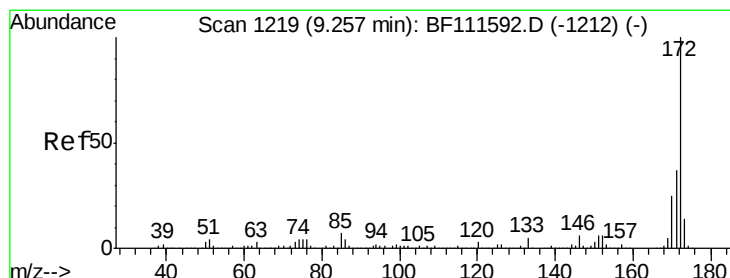
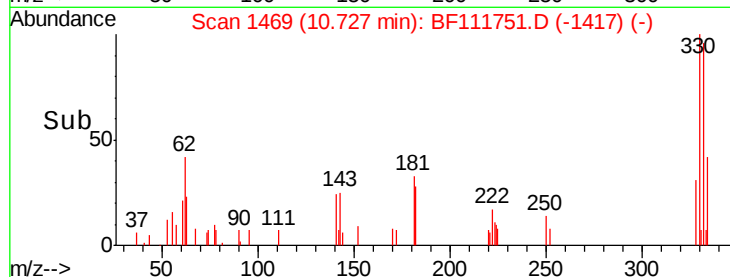
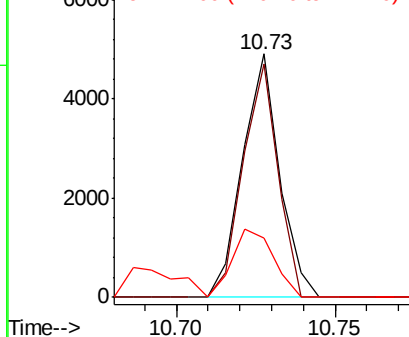
330 100

332 89.9 76.0 114.0

141 31.0 31.0 46.6#



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: 1.258 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

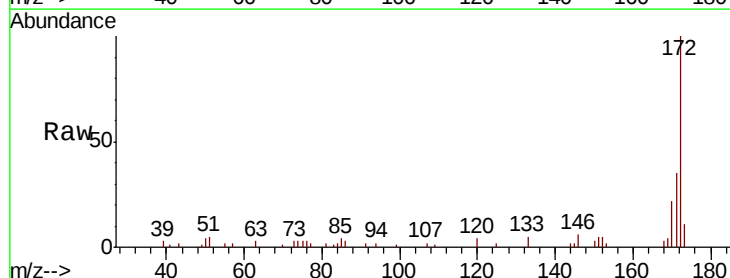
Tgt Ion:172 Resp: 18431

Ion Ratio Lower Upper

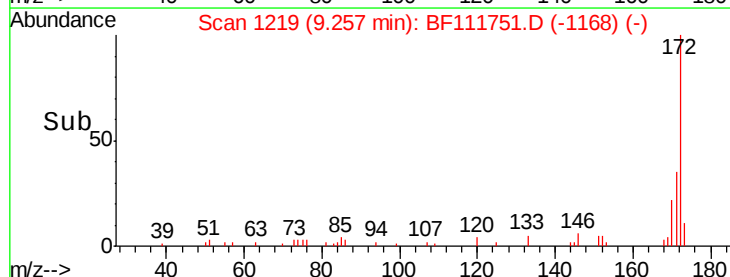
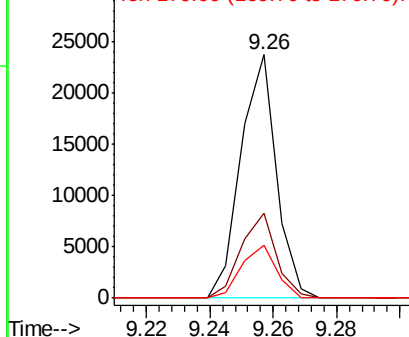
172 100

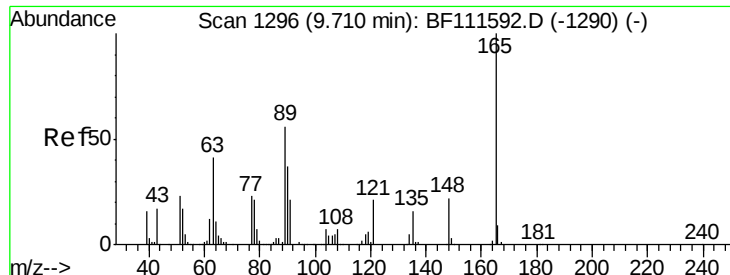
171 35.1 33.0 49.4

170 21.6 22.3 33.5#



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: 9.062 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.23 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

Instrument :

BNA_F

ClientSampled :

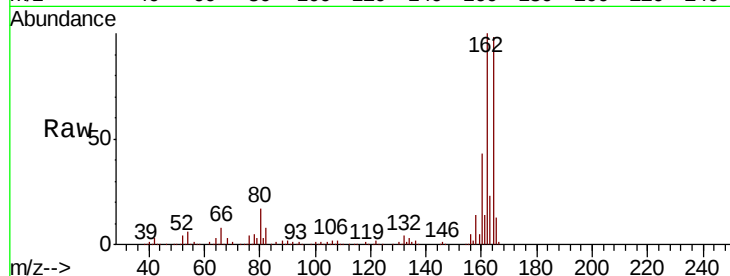
Tot Ion:165 Resp: 28220

Ion Ratio Lower Upper

165 100

63 1.9 40.5 60.7#

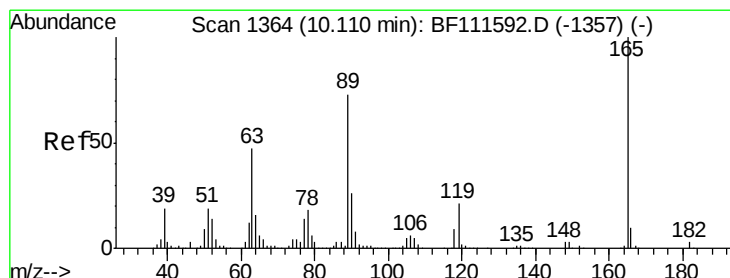
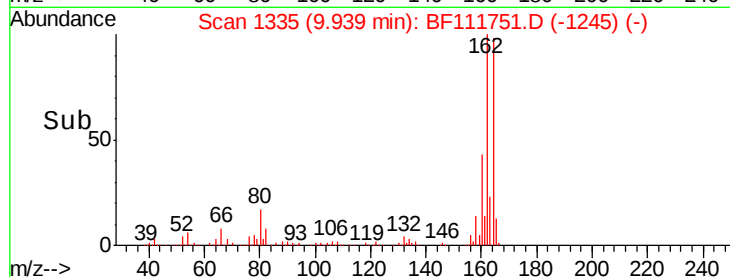
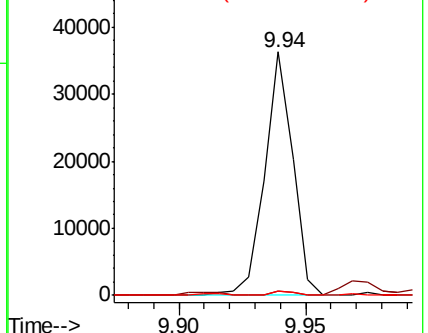
89 1.7 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 7.540 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.17 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

Tgt Ion:165 Resp: 28220

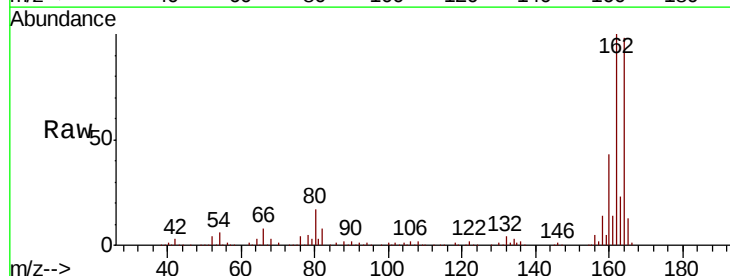
Ion Ratio Lower Upper

165 100

63 1.9 34.6 52.0#

89 1.7 56.2 84.4#

182 0.0 1.8 2.6#

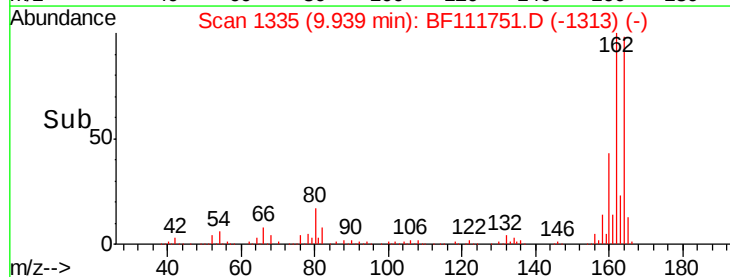
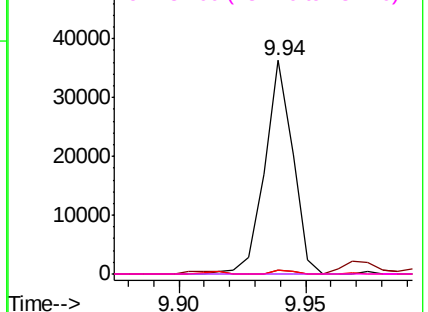


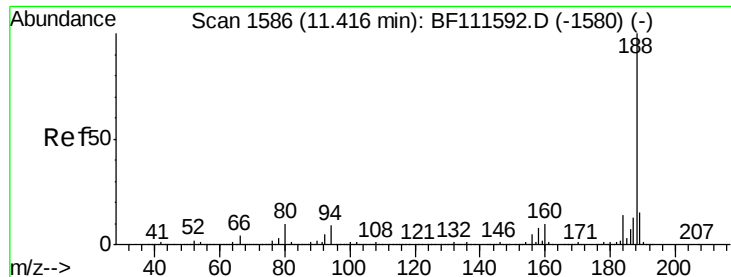
Abundance Ion 165.00 (164.70 to 165.70): E

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): E

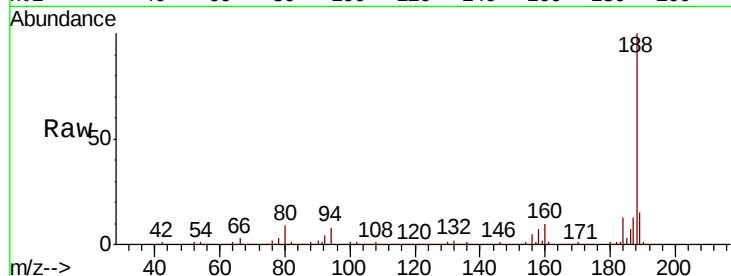




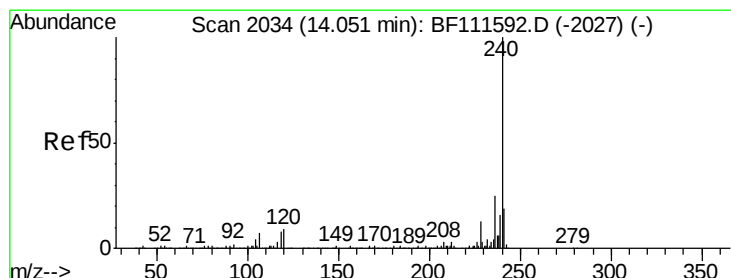
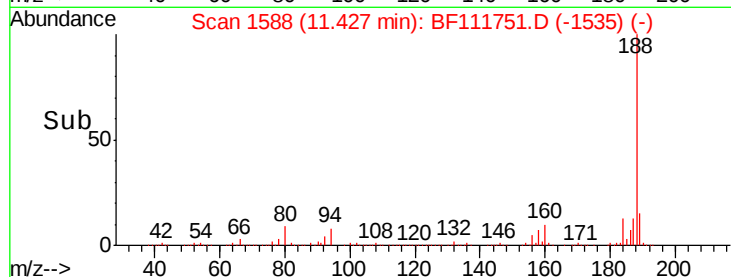
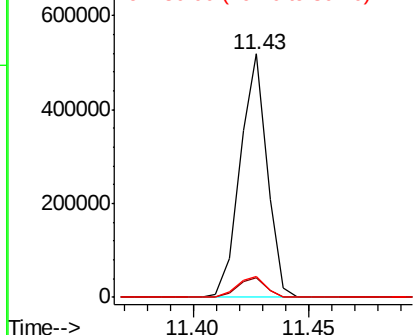
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 421249
Ion Ratio Lower Upper
188 100
94 7.9 9.6 14.4#
80 8.7 9.8 14.6#

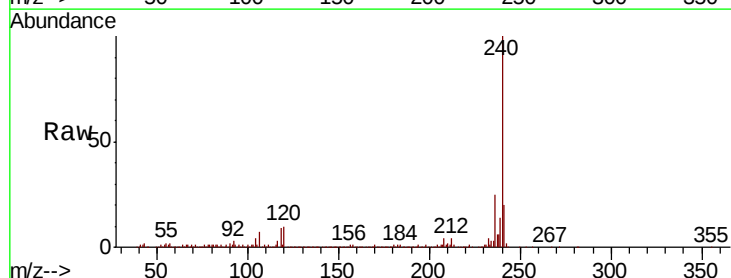


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

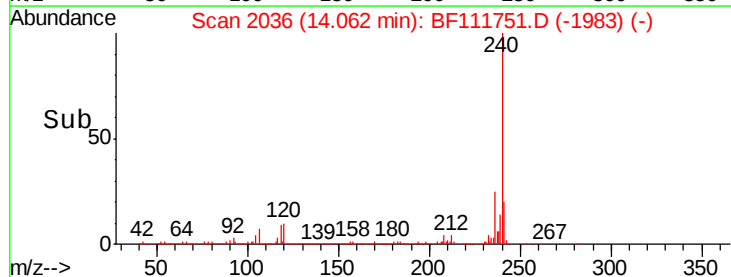
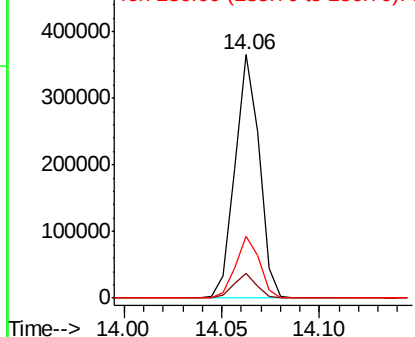


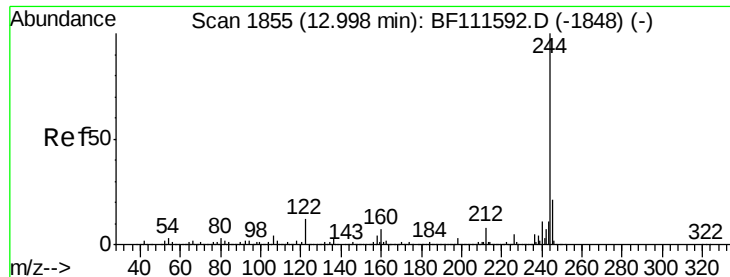
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF111751.D
Acq: 27 Dec 2018 9:00

Tgt Ion:240 Resp: 314868
Ion Ratio Lower Upper
240 100
120 9.9 12.2 18.2#
236 25.5 20.2 30.2



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: 1.078 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

Instrument :

BNA_F

ClientSampleId :

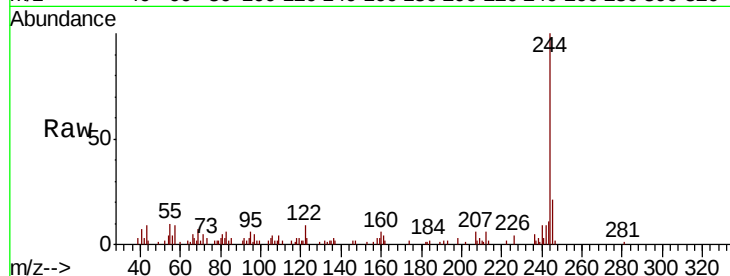
Tot Ion:244 Resp: 17897

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

122 8.6 13.1 19.7#

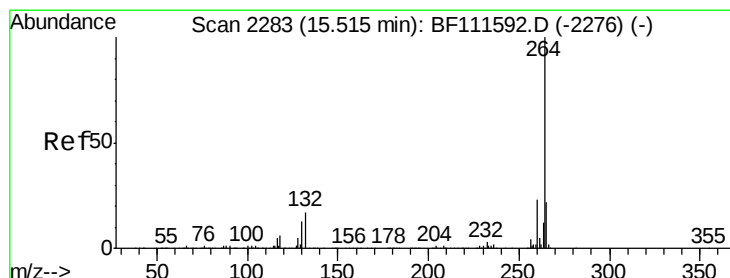
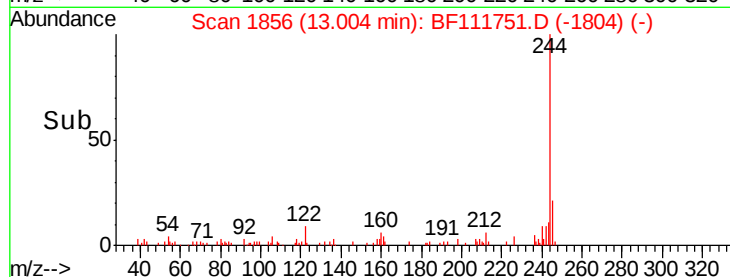
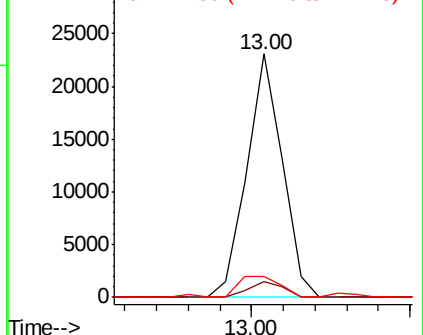


Abundance

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: 15.55 min Scan# 2289

Delta R.T. 0.04 min

Lab File: BF111751.D

Acq: 27 Dec 2018 9:00

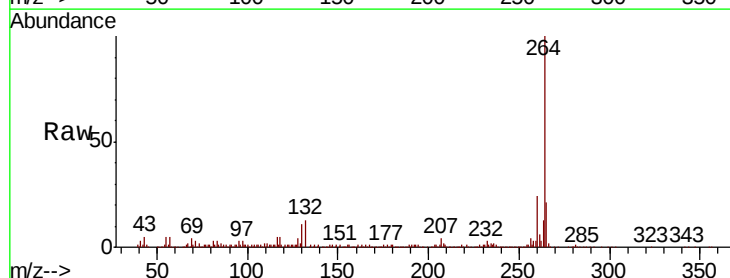
Tgt Ion:264 Resp: 246868

Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 21.5 17.7 26.5



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

