

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112918\
 Data File : BF111093.D
 Acq On : 29 Nov 2018 16:30
 Operator : JU/SJ
 Sample : J6125-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 17:28:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 29 10:35:31 2018
 Response via : Initial Calibration

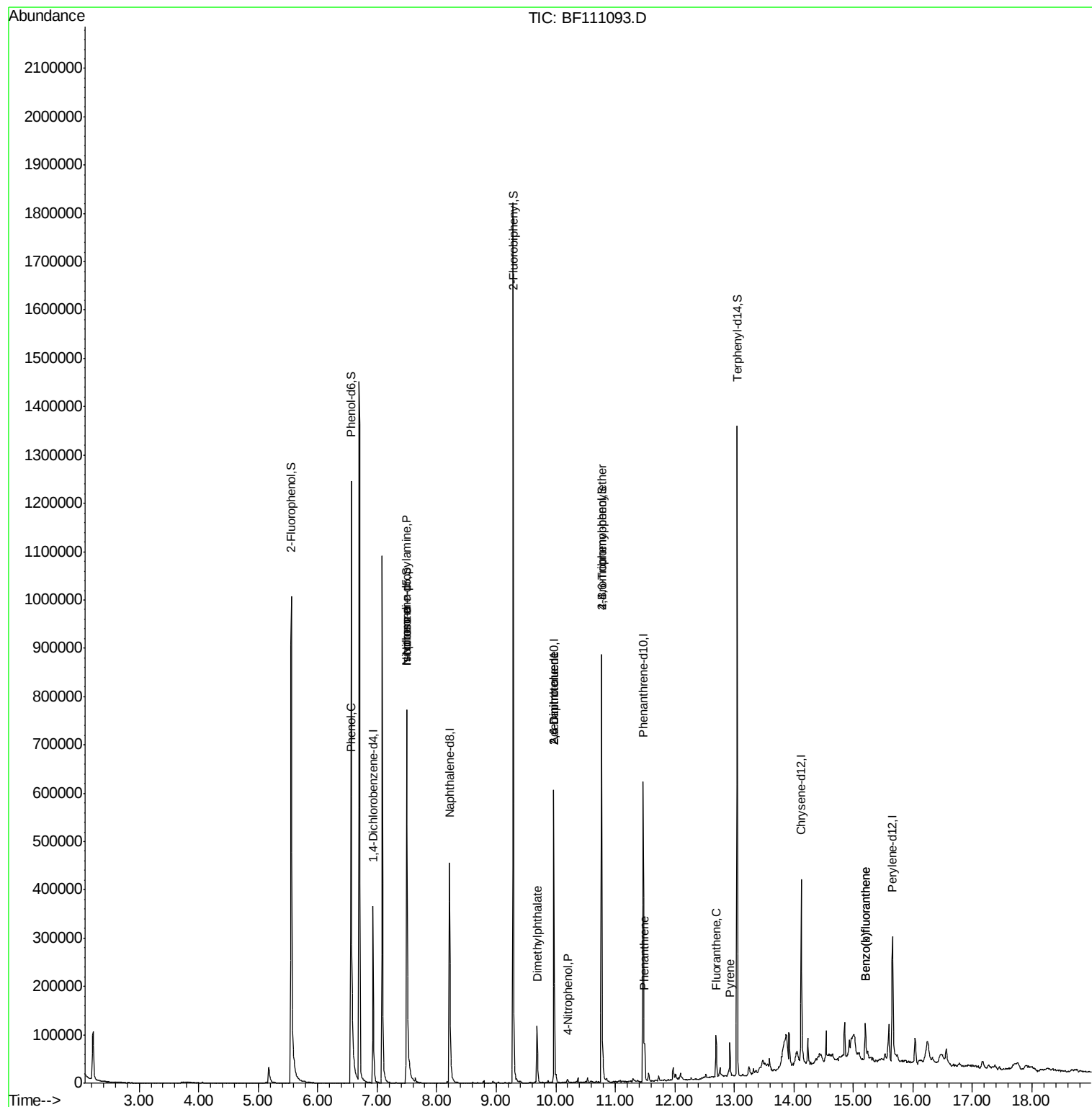
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	65342	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	275988	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	130086	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	234755	20.00	ng	0.00
76) Chrysene-d12	14.13	240	133660	20.00	ng	0.00
87) Perylene-d12	15.66	264	134975	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	386199	98.01	ng	0.00
7) Phenol-d6	6.56	99	492845	95.98	ng	0.00
23) Nitrobenzene-d5	7.50	82	307978	63.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	110756	85.73	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	587264	65.40	ng	0.00
79) Terphenyl-d14	13.04	244	451064	65.69	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	875	Below Cal		Qvalue
10) Phenol	6.57	94	37756	6.529 ng	#	1
19) n-Nitroso-di-n-propylamine	7.50	70	40250	12.034 ng	#	76
25) Isophorone	7.50	82	307978	38.933 ng	#	83
50) Dimethylphthalate	9.69	163	63309	6.636 ng	#	67
51) 2,6-Dinitrotoluene	9.97	165	16565	7.799 ng	#	99
56) 4-Nitrophenol	10.20	139	1051	4.961 ng	#	23
57) 2,4-Dinitrotoluene	9.97	165	16565	6.011 ng	#	6
67) 4-Bromophenyl-phenylether	10.77	248	7155	2.799 ng	#	19
71) Phenanthrene	11.49	178	37306	3.000 ng	#	1
75) Fluoranthene	12.69	202	38172	2.987 ng	#	98
78) Pvrene	12.93	202	31624	3.239 ng	#	98
88) Benzo(b)fluoranthene	15.21	252	19973	2.519 ng	#	96
89) Benzo(k)fluoranthene	15.21	252	19973	2.447 ng	#	89
					#	88

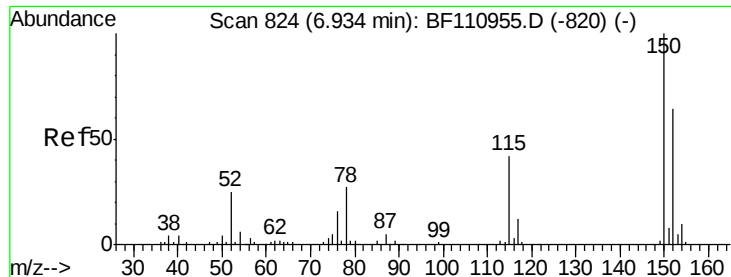
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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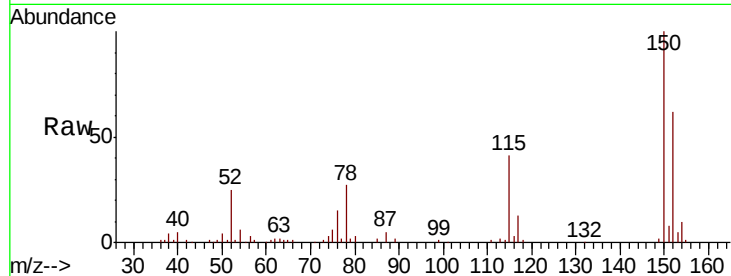


#1

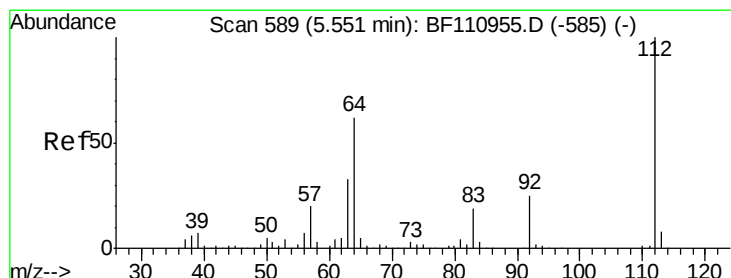
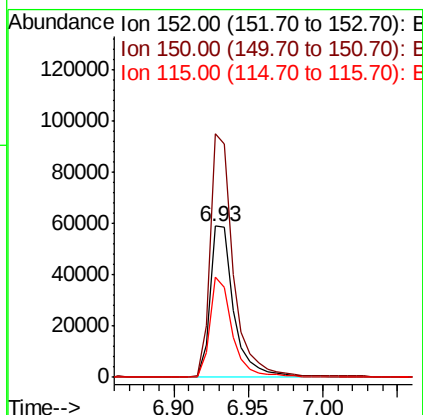
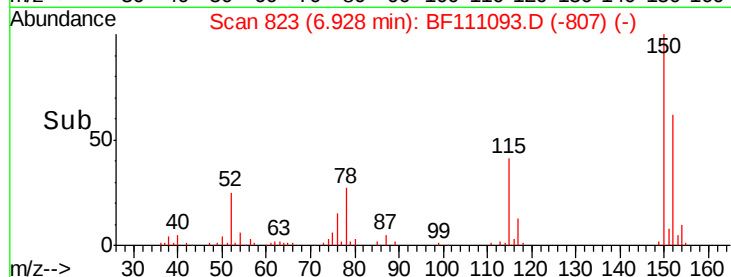
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65342
Ion Ratio Lower Upper
152 100
150 161.2 122.7 184.1
115 66.3 49.1 73.7



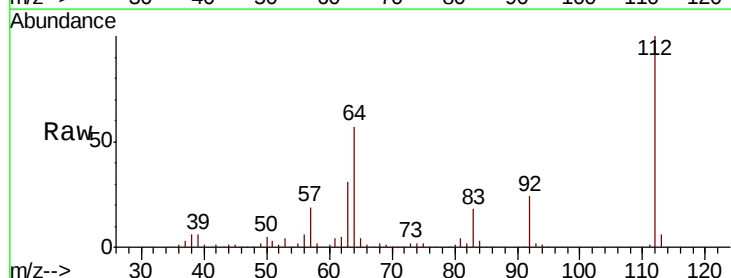
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



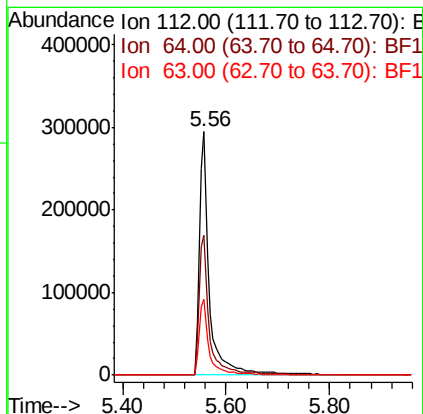
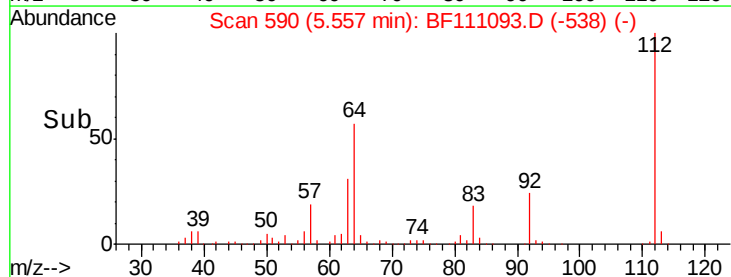
#5

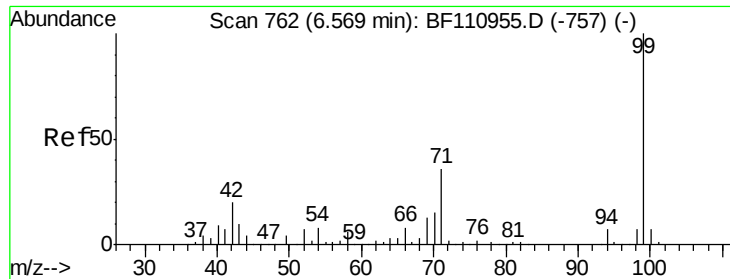
2-Fluorophenol
Concen: 98.014 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Tgt Ion:112 Resp: 386199
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 31.0 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: 95.981 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF111093.D

Acq: 29 Nov 2018 16:30

Instrument :

BNA_F

ClientSampled :

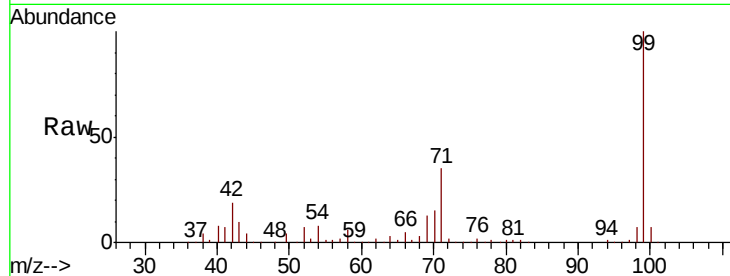
Tot Ion: 99 Resp: 492845

Ion Ratio Lower Upper

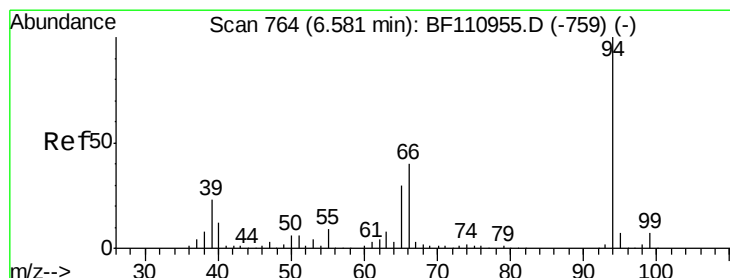
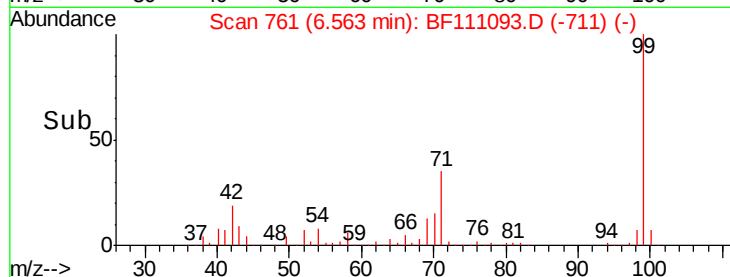
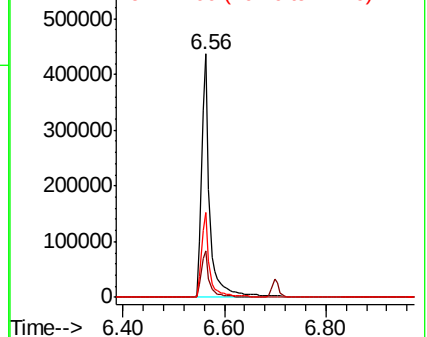
99 100

42 19.2 15.8 23.6

71 34.9 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



#10

Phenol

Concen: 6.529 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF111093.D

Acq: 29 Nov 2018 16:30

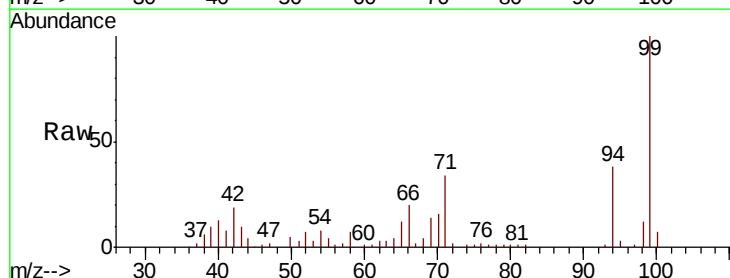
Tgt Ion: 94 Resp: 37756

Ion Ratio Lower Upper

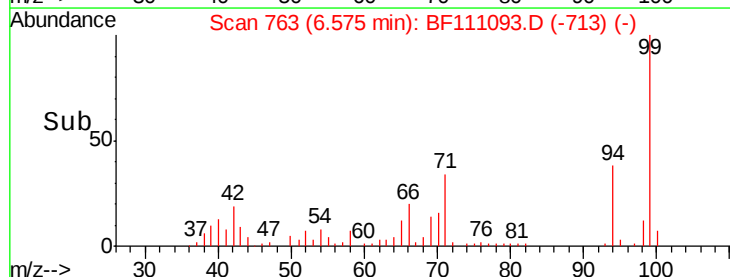
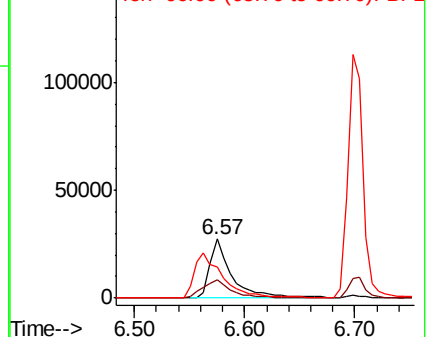
94 100

65 31.7 25.3 65.3

66 52.9 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

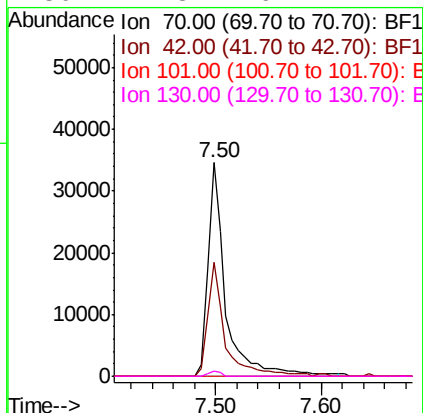
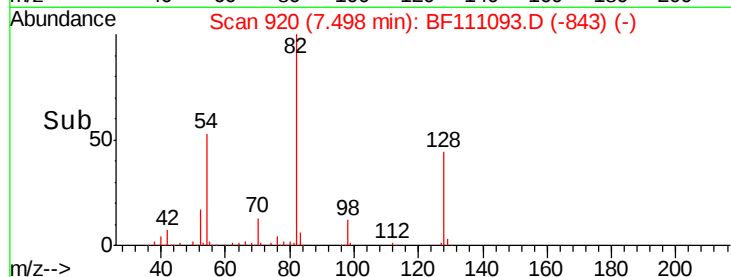
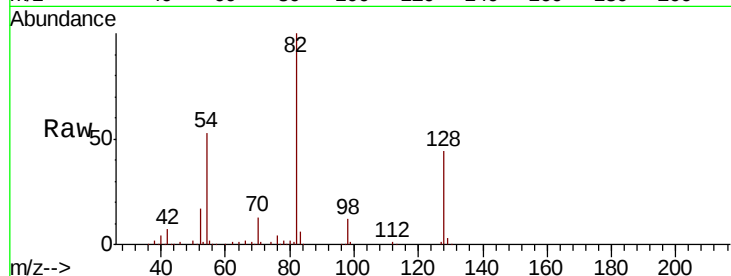




#19
n-Nitroso-di-n-propylamine
Concen: 12.034 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.15 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

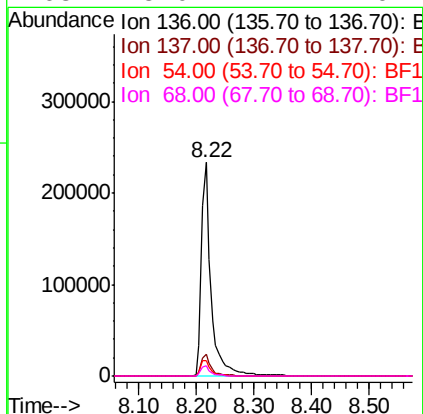
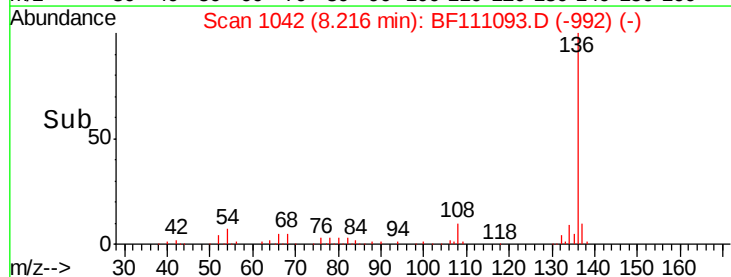
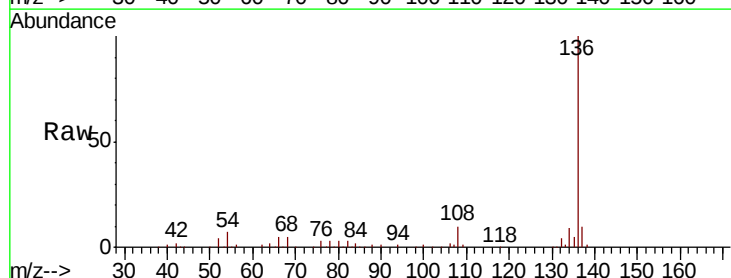
Instrument :
BNA_F
ClientSampled :

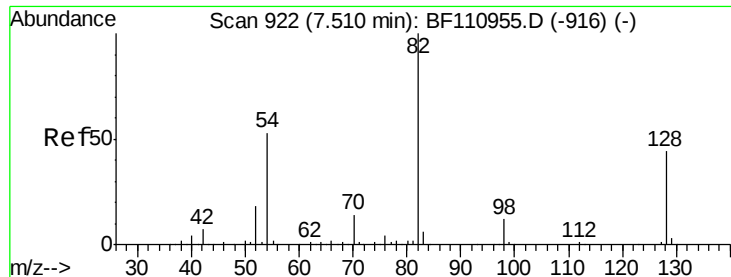
Tot Ion: 70 Resp: 40250
Ion Ratio Lower Upper
70 100
42 53.2 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Tgt Ion: 136 Resp: 275988
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.4 5.4 8.2
68 5.0 4.2 6.2

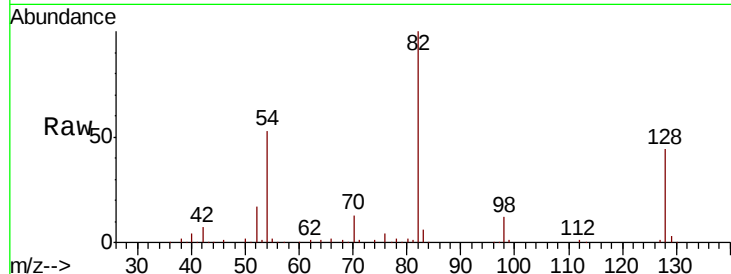




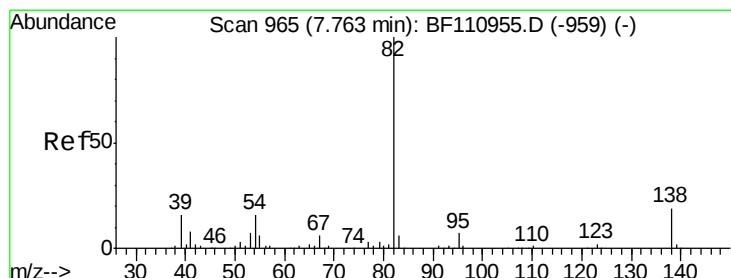
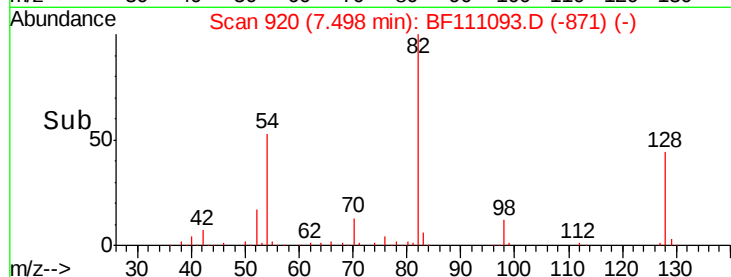
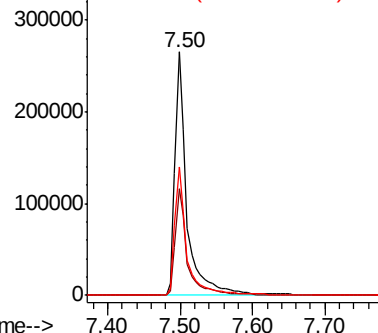
#23
Nitrobenzene-d5
Concen: 63.864 ng
RT: 7.50 min Scan# 920
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	307978
Ion Ratio	Lower	Upper	
82	100		
128	43.7	34.2	51.2
54	52.6	38.6	58.0

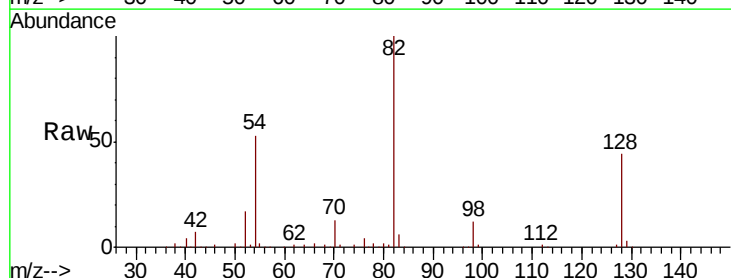


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

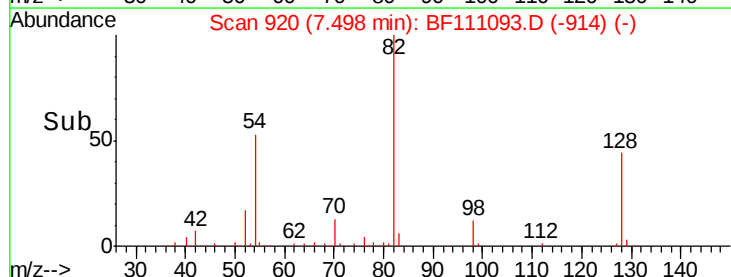
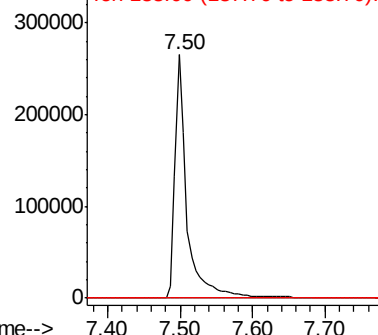


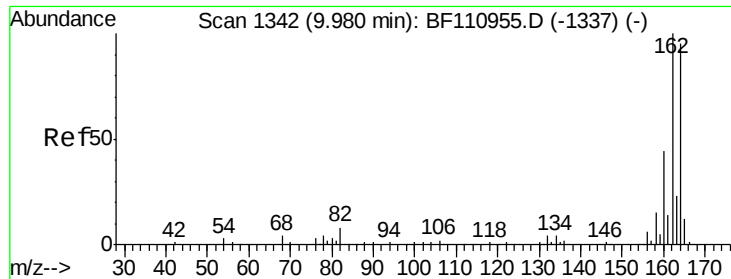
#25
Isophorone
Concen: 38.933 ng
RT: 7.50 min Scan# 920
Delta R.T. -0.26 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Tgt Ion	82	Resp	307978
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: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF111093.D

Acq: 29 Nov 2018 16:30

Instrument :

BNA_F

ClientSampleId :

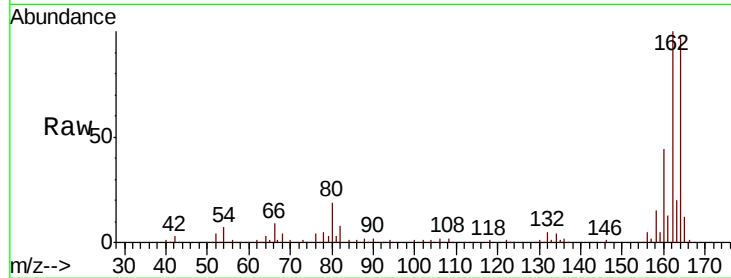
Tot Ion:164 Resp: 130086

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.6

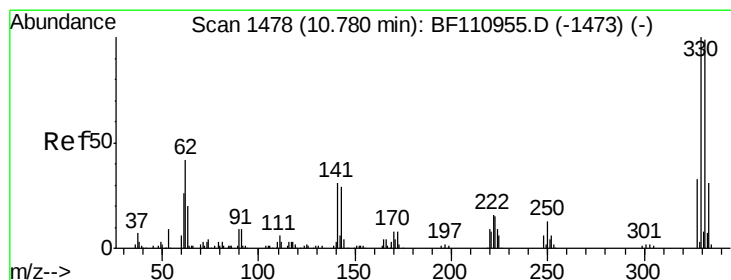
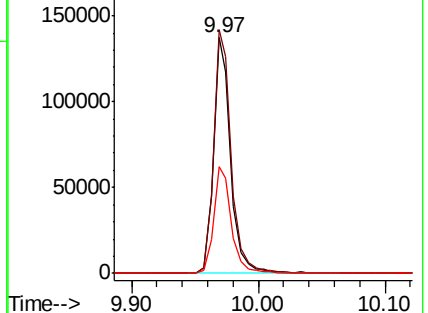
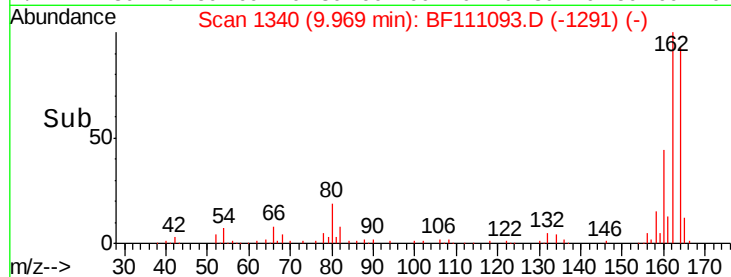
160 45.0 37.0 55.6



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: 85.729 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BF111093.D

Acq: 29 Nov 2018 16:30

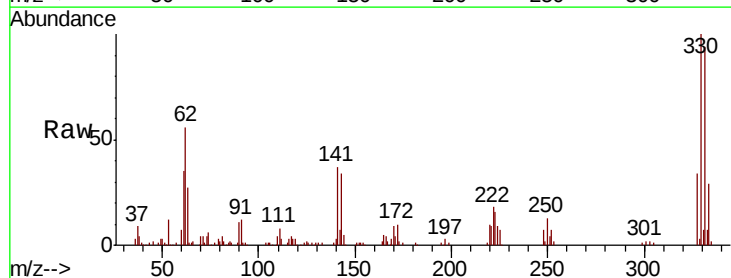
Tgt Ion:330 Resp: 110756

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

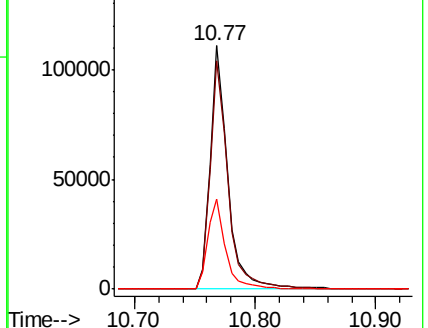
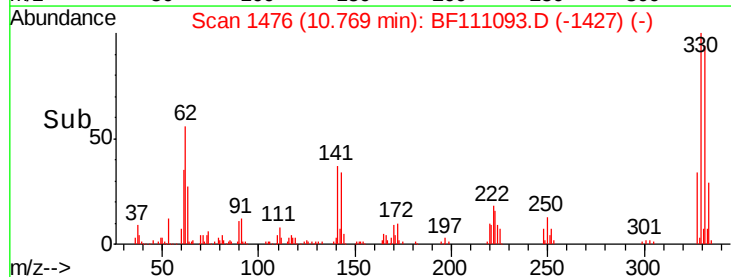
141 38.4 27.0 40.4



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

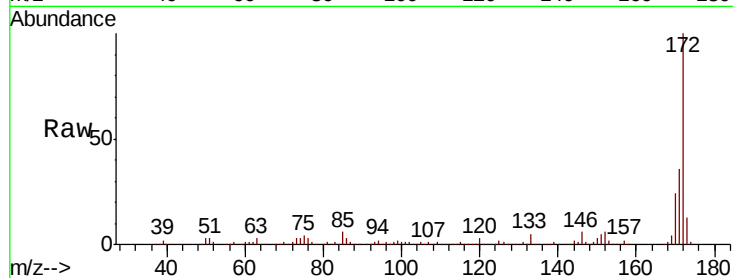




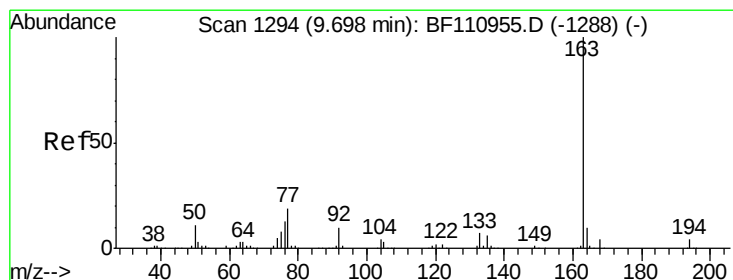
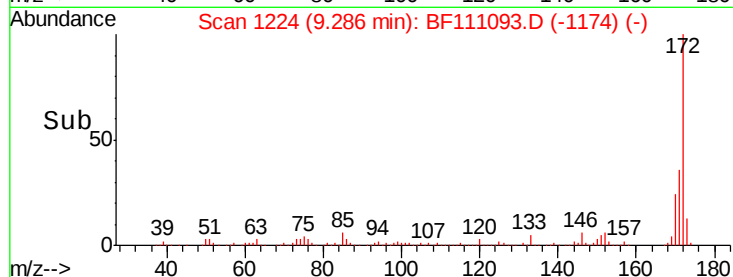
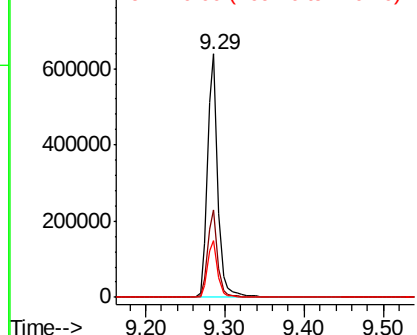
#45
2-Fluorobiphenyl
Concen: 65.404 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 587264
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.5 19.7 29.5

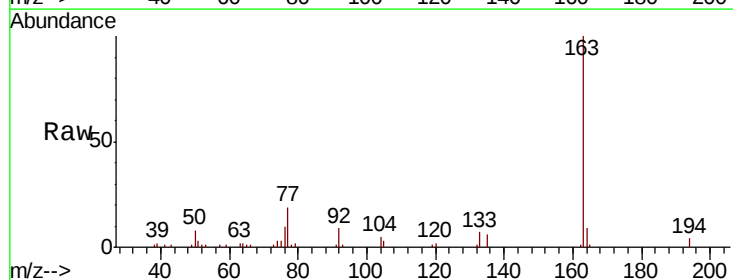


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

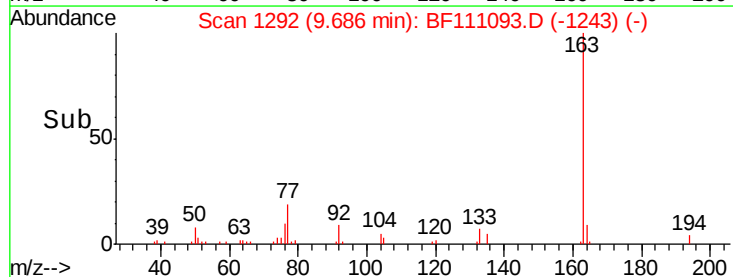
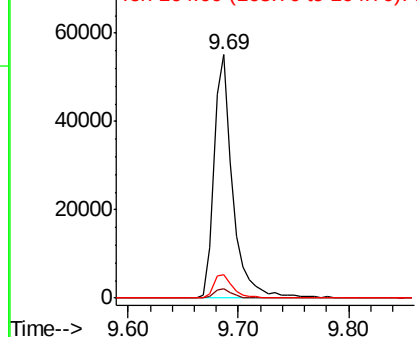


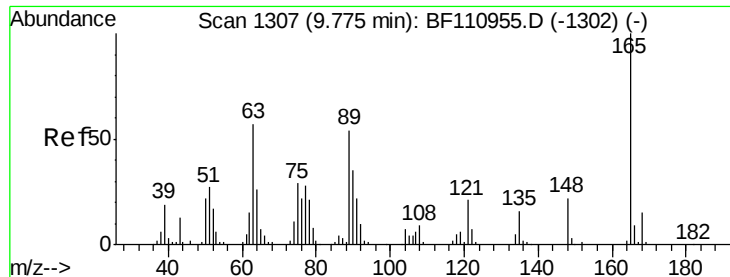
#50
Dimethylphthalate
Concen: 6.636 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Tgt Ion:163 Resp: 63309
Ion Ratio Lower Upper
163 100
194 3.9 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

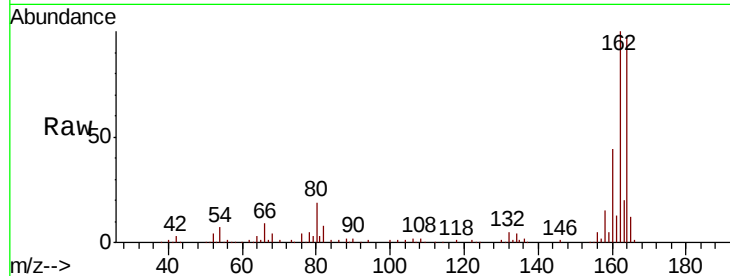




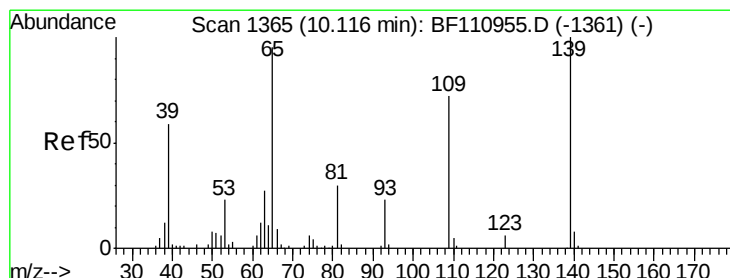
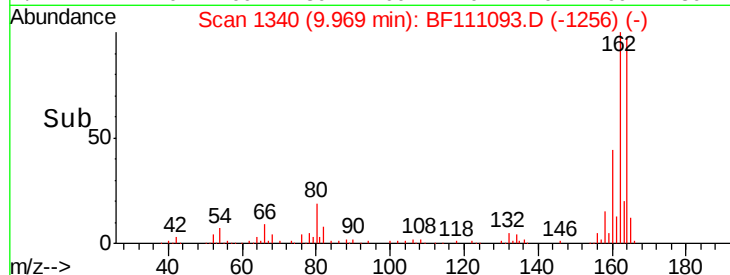
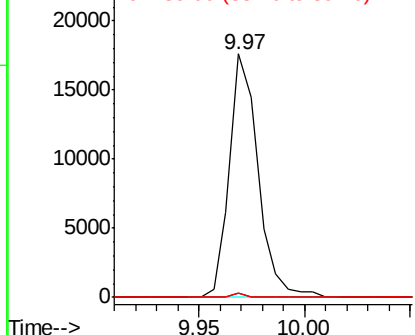
#51
2,6-Dinitrotoluene
Concen: 7.799 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.19 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	48.9	73.3#
89	1.8	46.6	69.8#

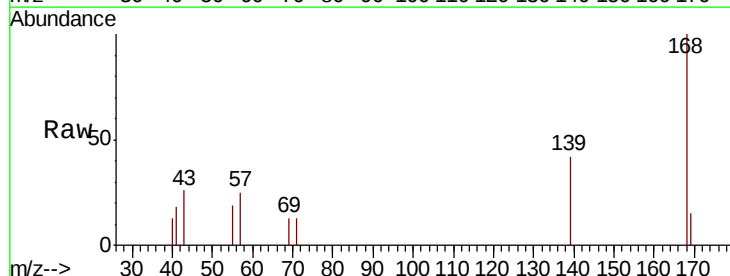


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

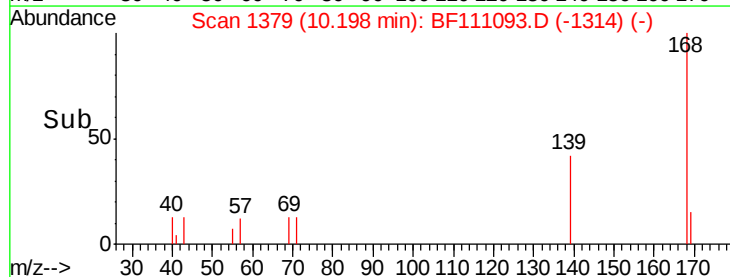
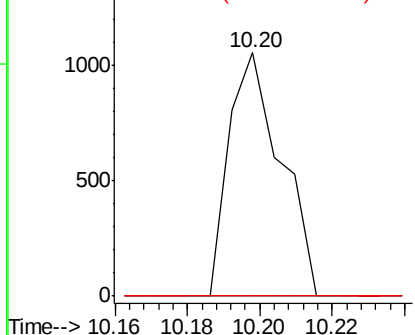


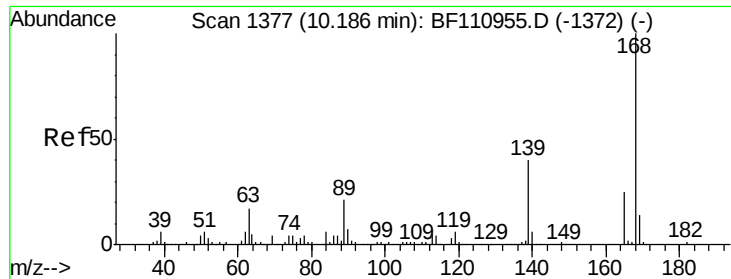
#56
4-Nitrophenol
Concen: 4.961 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.08 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

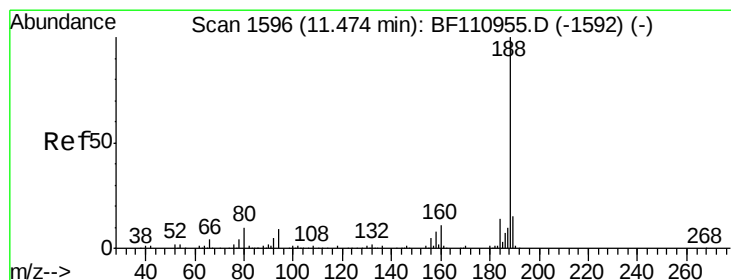
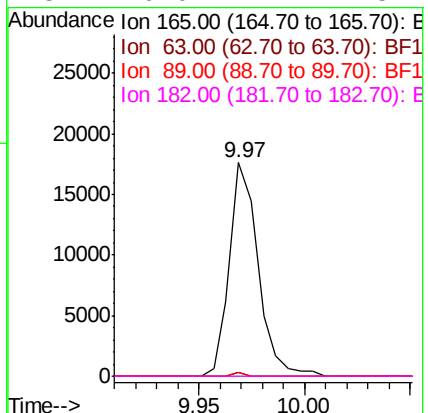
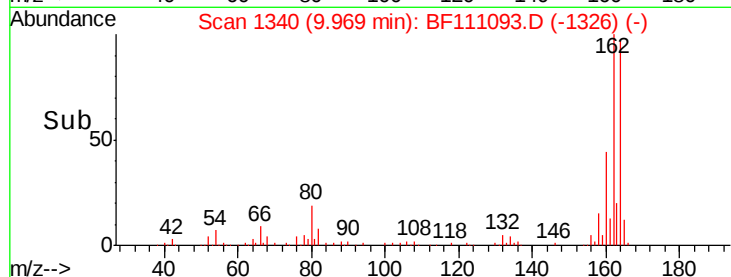
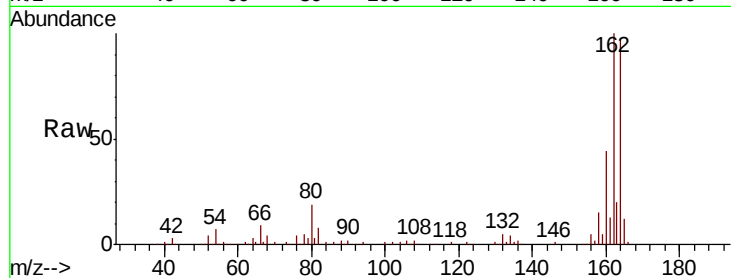




#57
 2,4-Dinitrotoluene
 Concen: 6.011 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.22 min
 Lab File: BF111093.D
 Acq: 29 Nov 2018 16:30

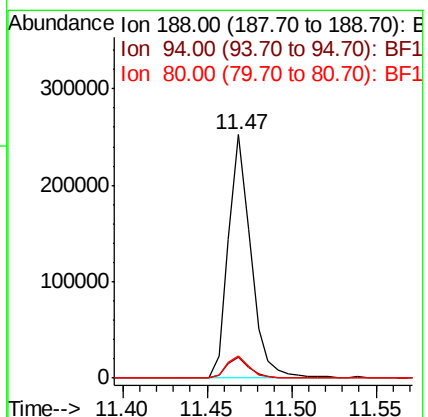
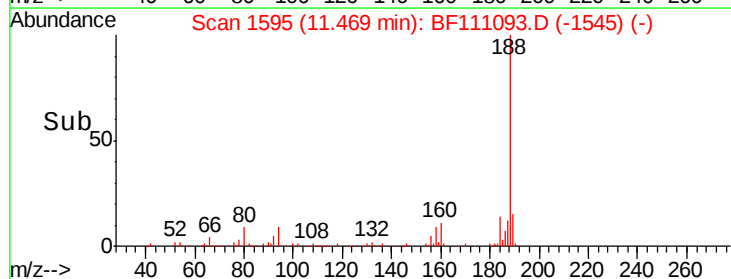
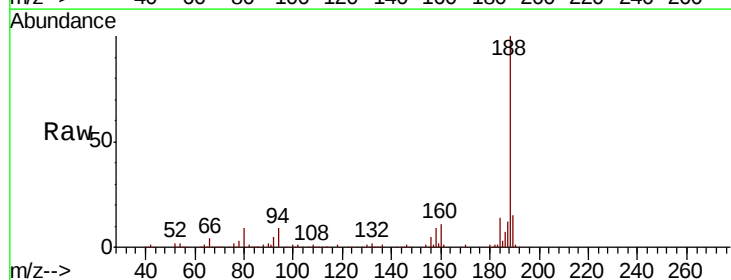
Instrument :
 BNA_F
 ClientSampleId :

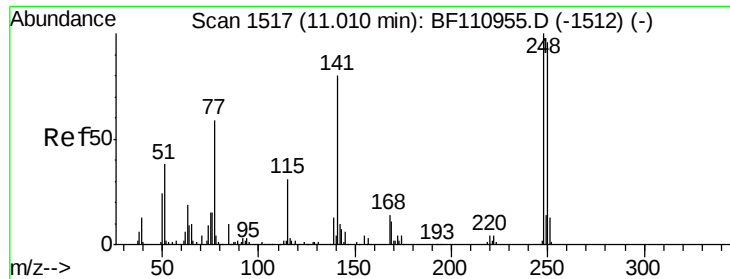
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.8	67.2#
89	1.8	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF111093.D
 Acq: 29 Nov 2018 16:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	9.0	7.9	11.9

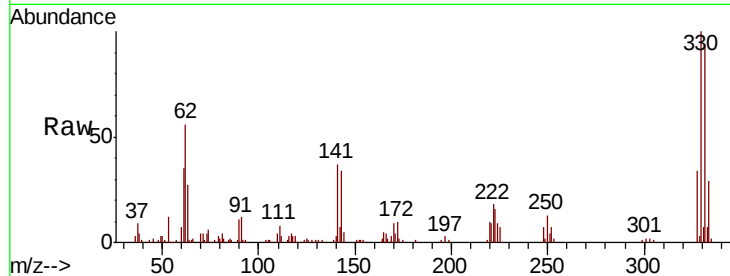




#67
 4-Bromophenyl-phenylether
 Concen: 2.799 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.24 min
 Lab File: BF111093.D
 Acq: 29 Nov 2018 16:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	189.9	79.4	119.2#
141	544.0	55.9	83.9#

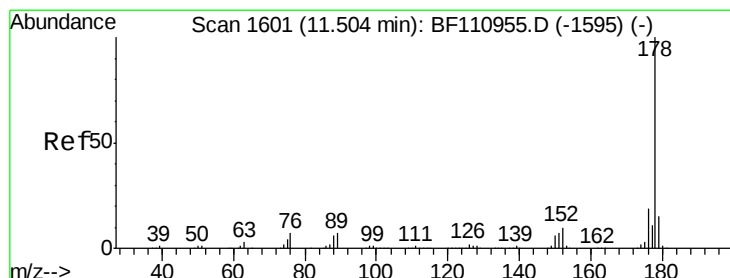
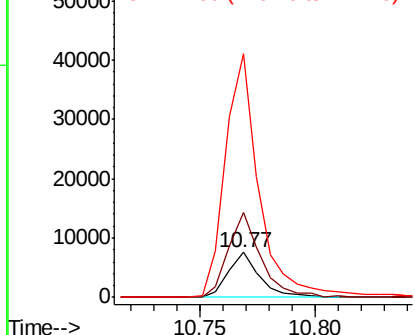
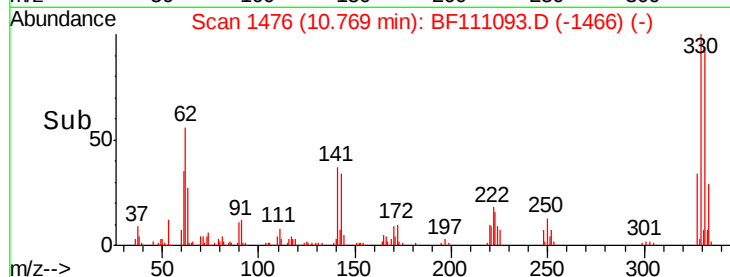


Abundance

Ion 248.00 (247.70 to 248.70): E

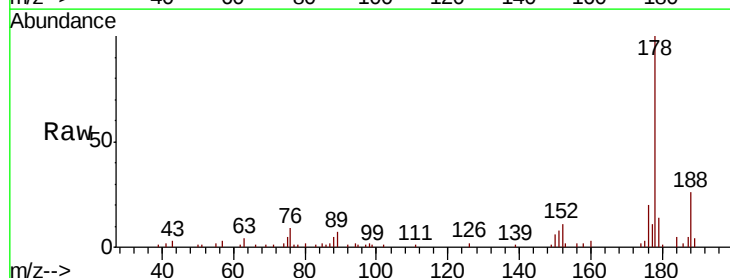
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 3.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF111093.D
 Acq: 29 Nov 2018 16:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	14.4	12.5	18.7

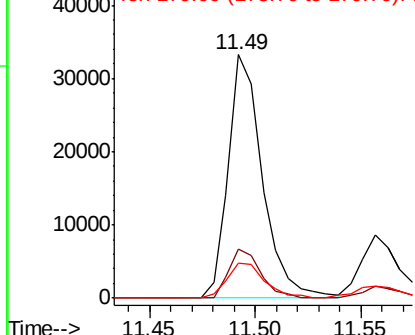
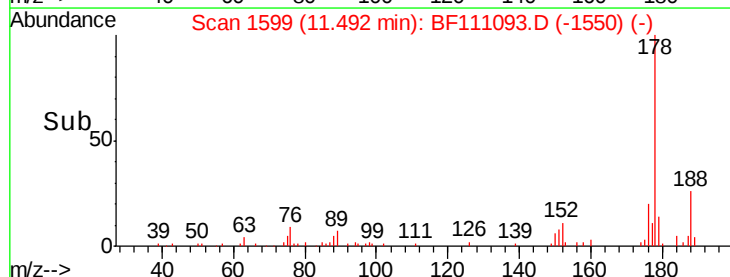


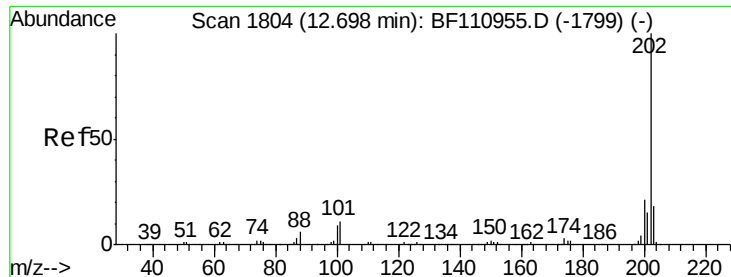
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.987 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF111093.D

Acq: 29 Nov 2018 16:30

Instrument :

BNA_F

ClientSampleId :

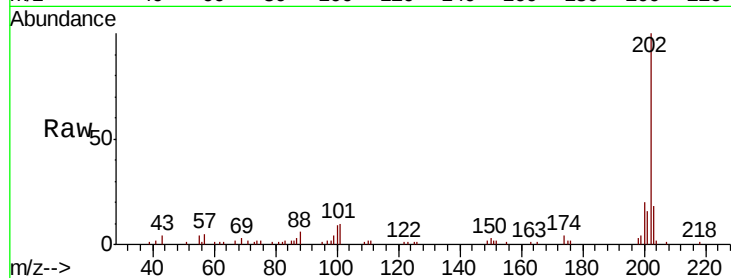
Tot Ion:202 Resp: 38172

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.4

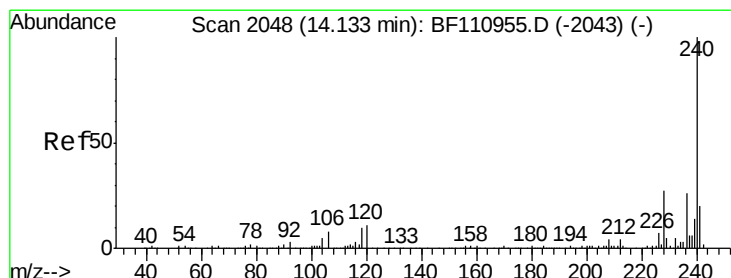
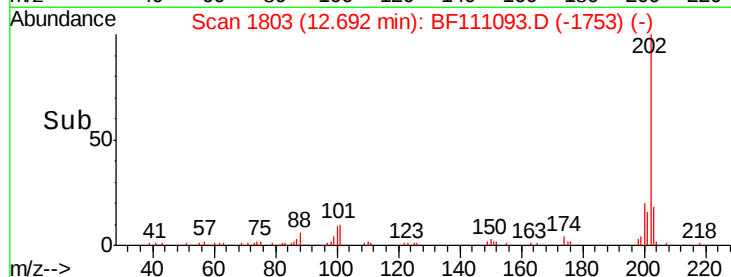
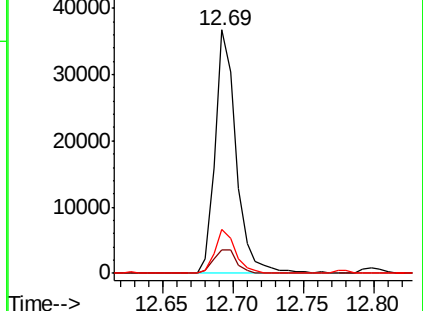
203 18.1 0.0 37.7



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: BF111093.D

Acq: 29 Nov 2018 16:30

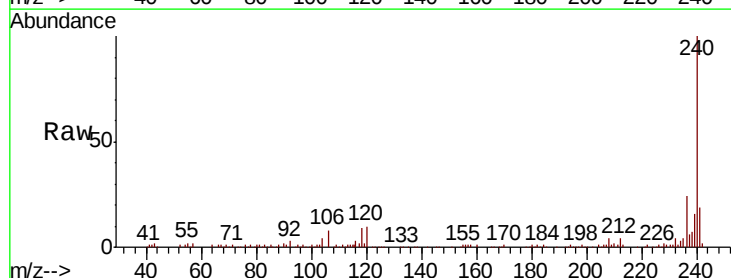
Tgt Ion:240 Resp: 133660

Ion Ratio Lower Upper

240 100

120 9.7 8.3 12.5

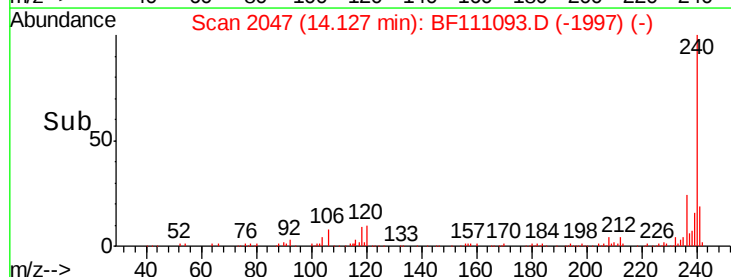
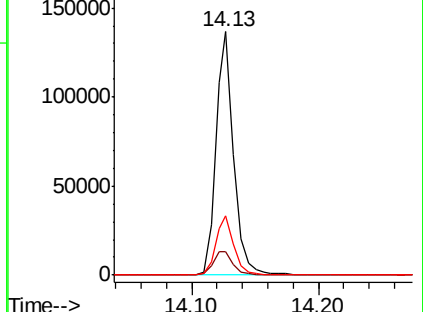
236 24.2 21.2 31.8

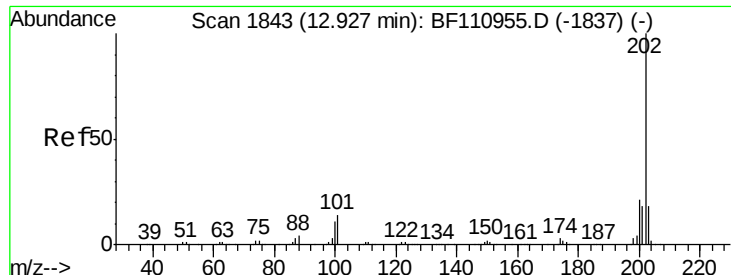


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

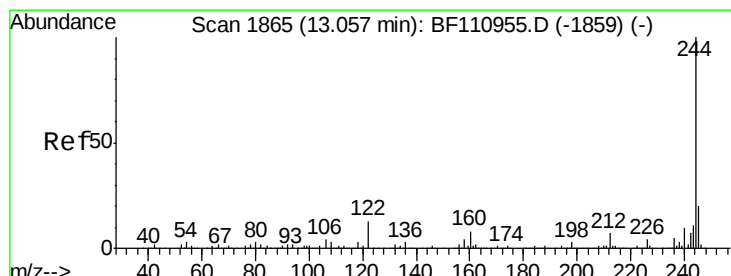
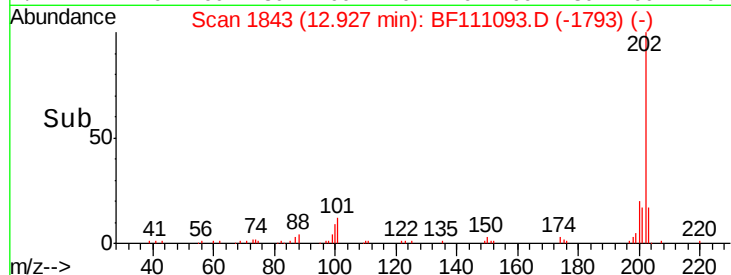
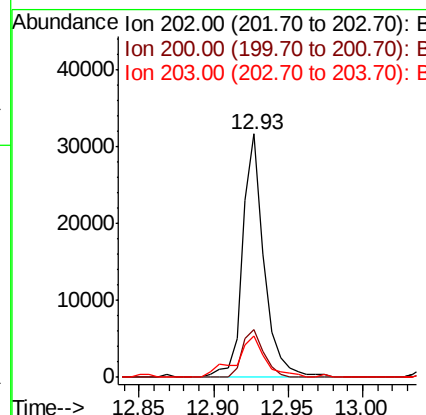
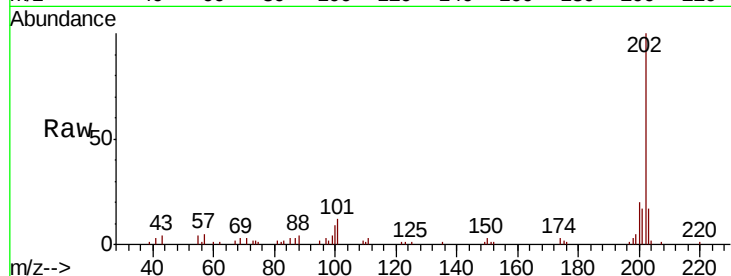




#78
Pvrene
Concen: 3.239 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

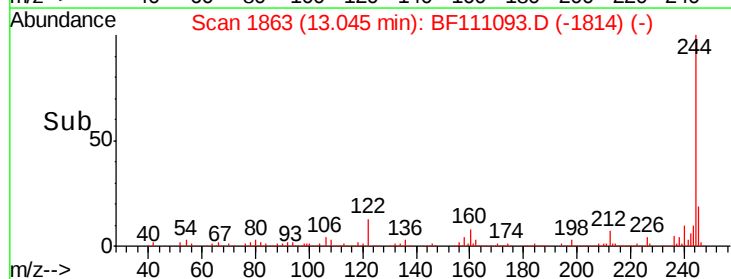
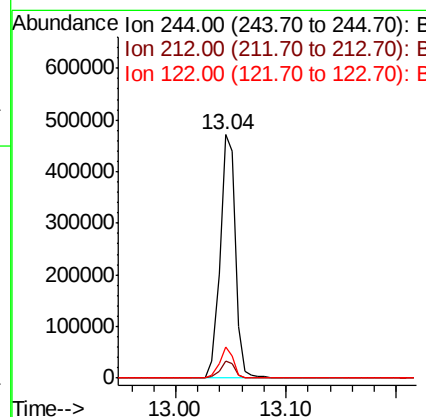
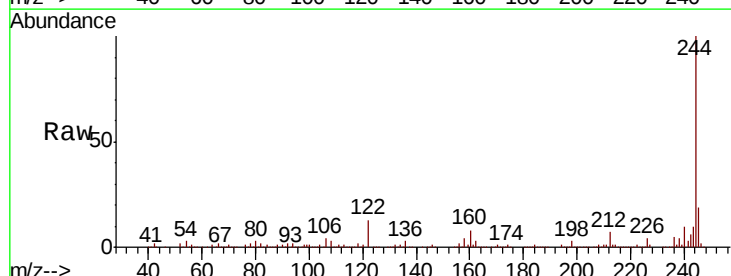
Instrument :
BNA_F
ClientSampleId :

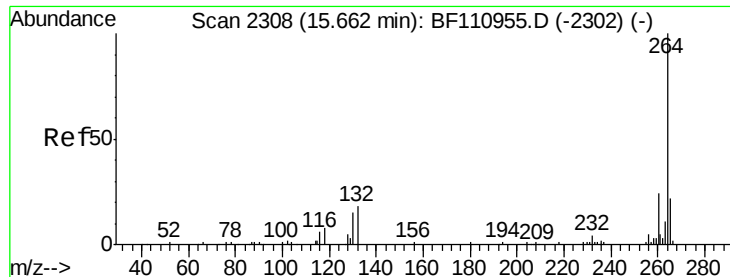
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.8	26.6
203	16.8	14.2	21.4



#79
Terphenyl-d14
Concen: 65.694 ng
RT: 13.04 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.8	8.7	13.1



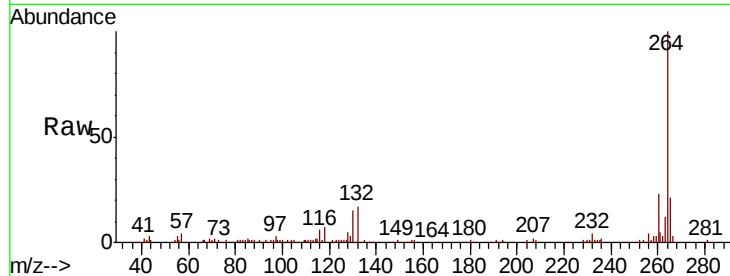


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

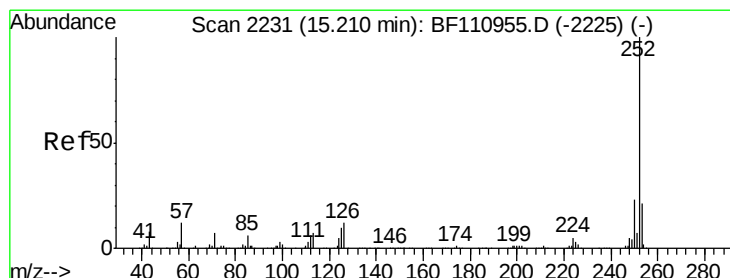
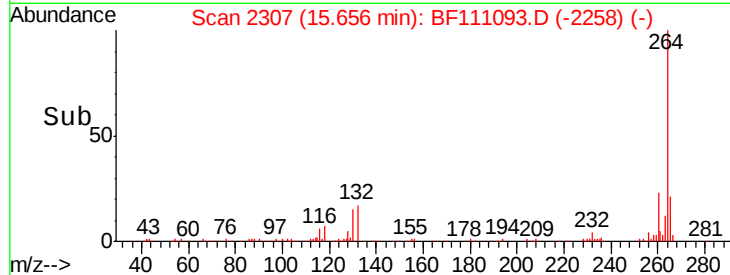
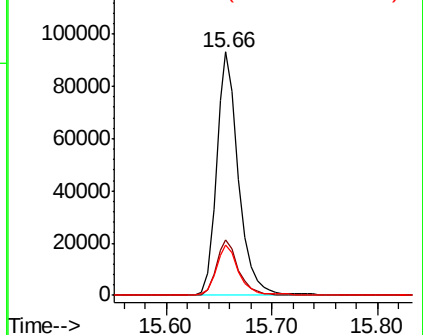
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 134975

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	20.8	16.7	25.1



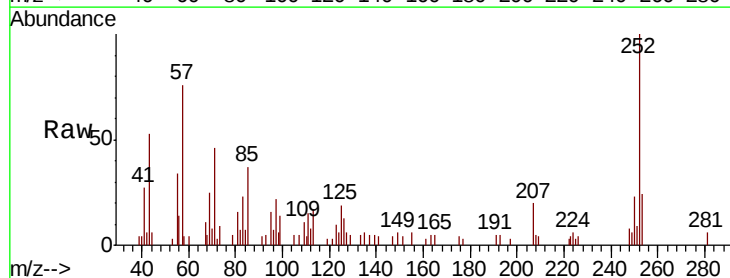
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



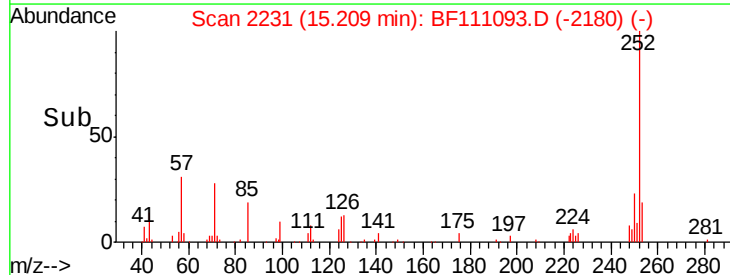
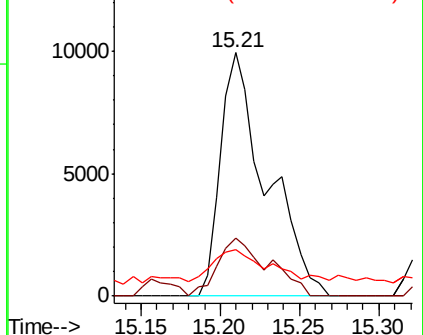
#88
Benzo(b)fluoranthene
Concen: 2.519 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF111093.D
Acq: 29 Nov 2018 16:30

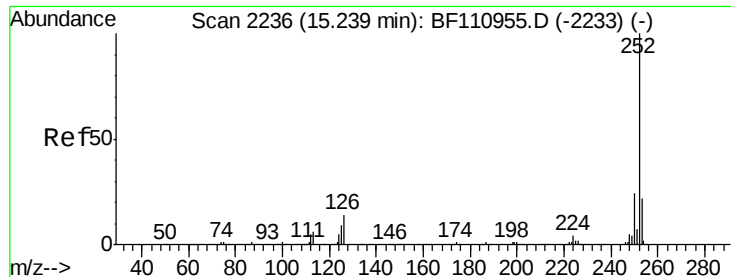
Tgt Ion:252 Resp: 19973

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	19.3	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: 2.447 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.03 min

Lab File: BF111093.D

Acq: 29 Nov 2018 16:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 19973

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

125 19.3 7.4 11.0#

