

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112818\
 Data File : BF111043.D
 Acq On : 28 Nov 2018 14:10
 Operator : JU/SJ
 Sample : J6065-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 14:45:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	65059	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	252002	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	125606	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	233712	20.00	ng	0.00
76) Chrysene-d12	14.13	240	136287	20.00	ng	0.00
87) Perylene-d12	15.67	264	123720	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	476887	121.56	ng	0.01
7) Phenol-d6	6.57	99	591847	115.76	ng	0.00
23) Nitrobenzene-d5	7.50	82	364578	82.80	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	150774	120.87	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	636582	73.43	ng	0.00
79) Terphenyl-d14	13.05	244	532057	76.00	ng	0.00

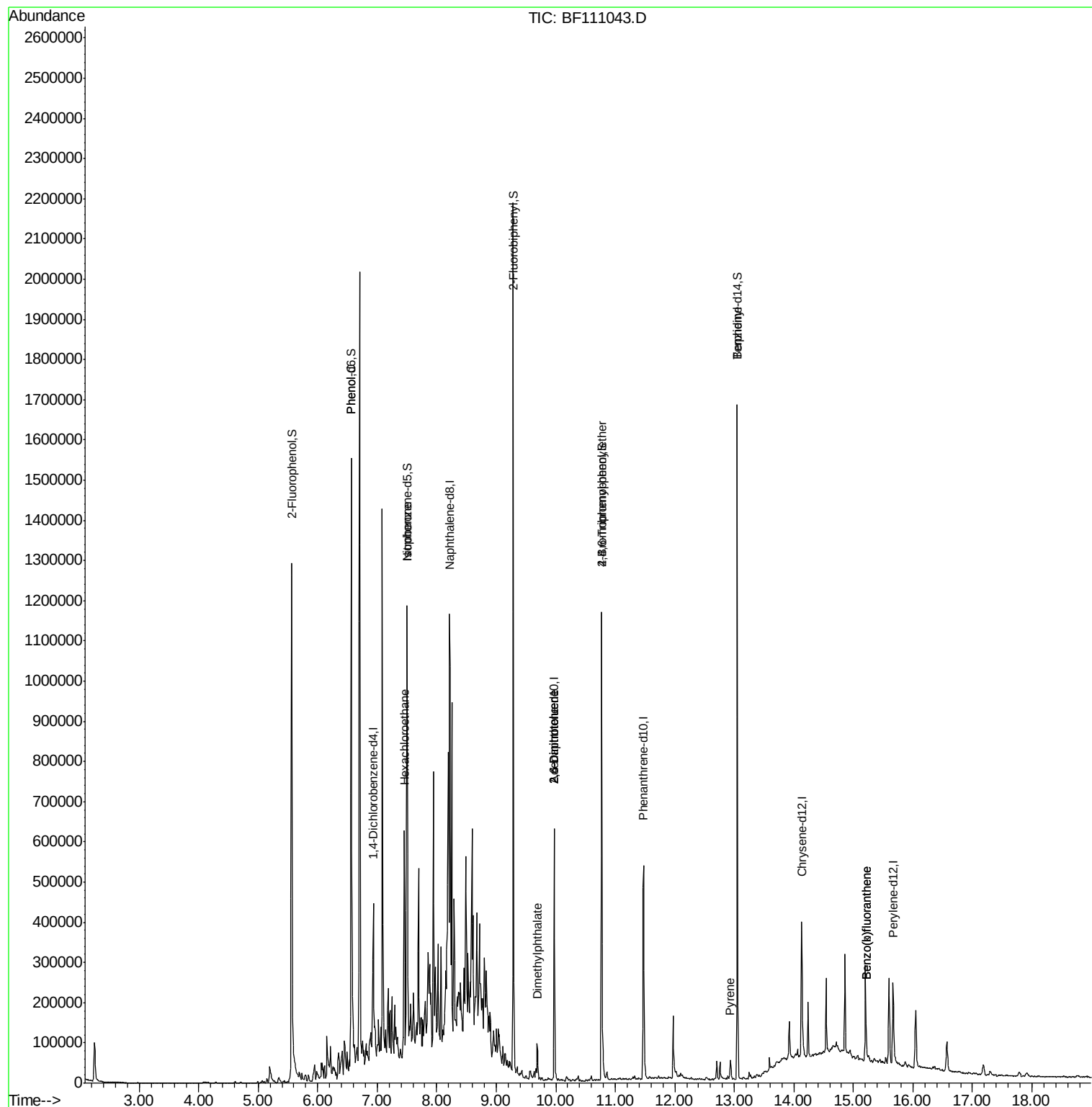
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	877	Below Cal		# 1
10) Phenol	6.57	94	32877	5.710	ng	96
18) Hexachloroethane	7.46	117	27567	14.268	ng	# 1
25) Isophorone	7.50	82	364578	50.475	ng	# 68
50) Dimethylphthalate	9.69	163	40645	4.412	ng	98
51) 2,6-Dinitrotoluene	9.97	165	15742	7.676	ng	# 22
57) 2,4-Dinitrotoluene	9.97	165	15742	5.916	ng	# 19
67) 4-Bromophenyl-phenylether	10.77	248	9482	3.725	ng	# 1
77) Benzidine	13.05	184	7417	2.128	ng	97
78) Pyrene	12.93	202	24481	2.459	ng	97
88) Benzo(b)fluoranthene	15.22	252	20612	2.836	ng	# 91
89) Benzo(k)fluoranthene	15.22	252	20612	2.755	ng	# 90

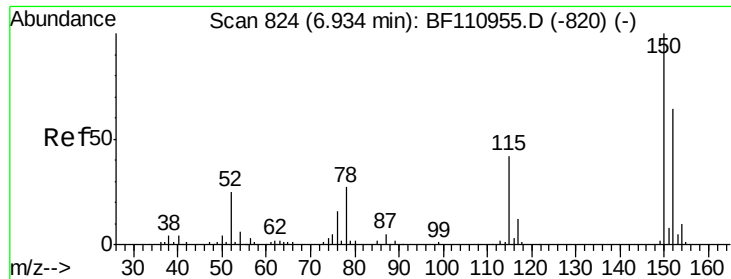
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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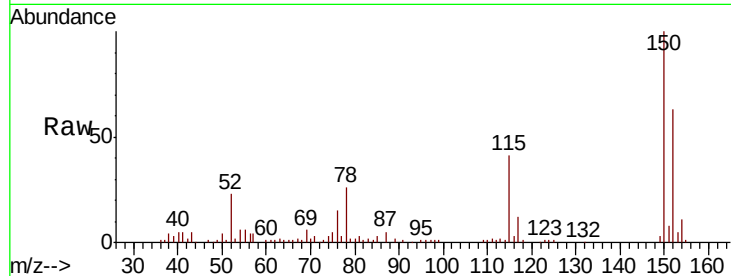


#1

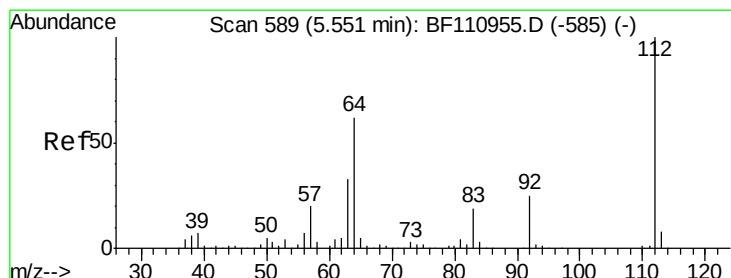
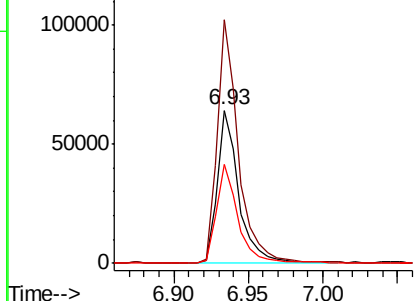
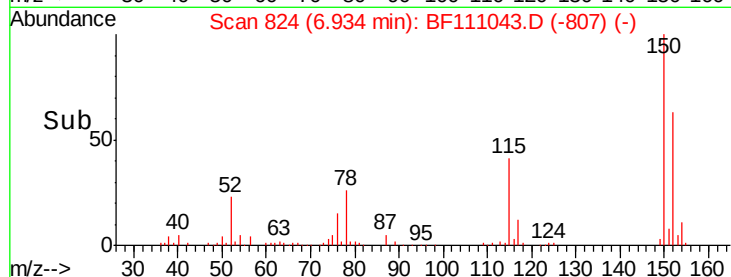
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65059
Ion Ratio Lower Upper
152 100
150 159.1 122.7 184.1
115 64.9 49.1 73.7



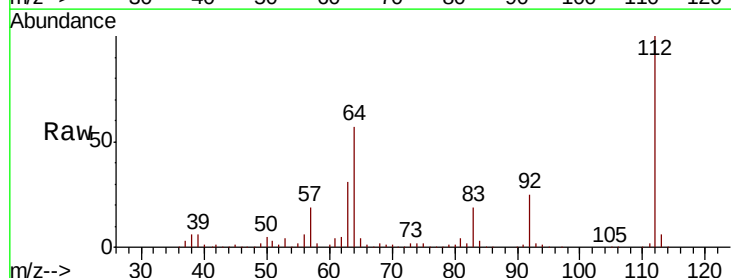
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



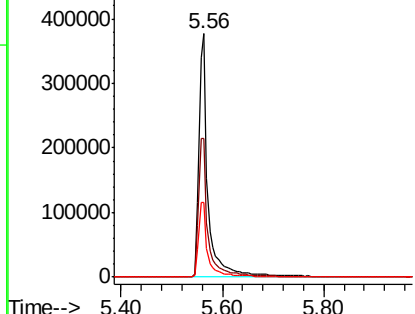
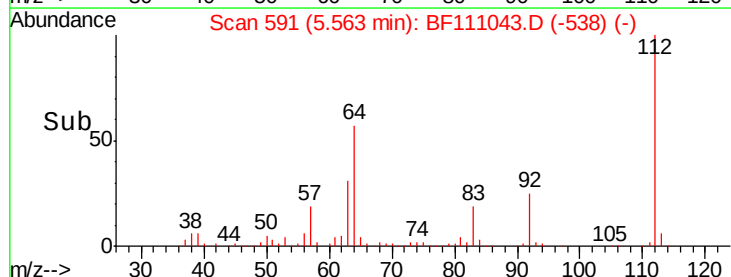
#5

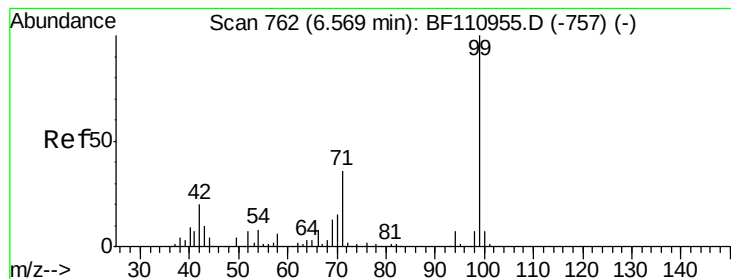
2-Fluorophenol
Concen: 121.556 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

Tgt Ion:112 Resp: 476887
Ion Ratio Lower Upper
112 100
64 56.7 44.1 66.1
63 30.7 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: 115.763 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111043.D

Acq: 28 Nov 2018 14:10

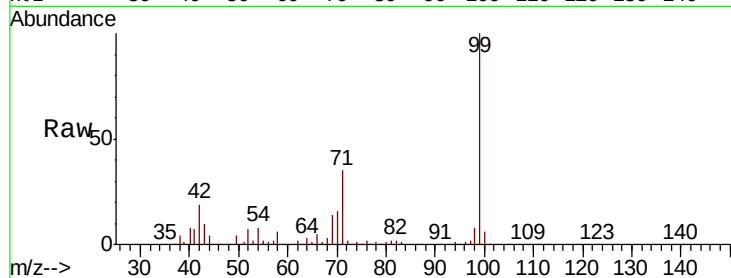
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 591847

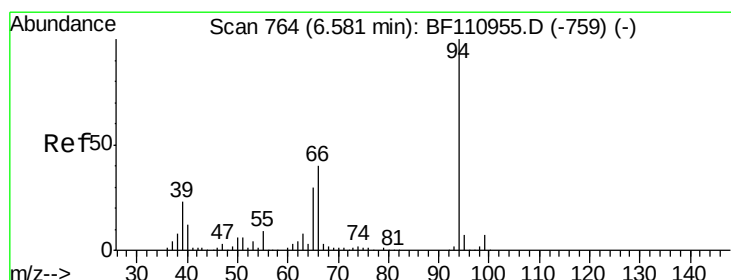
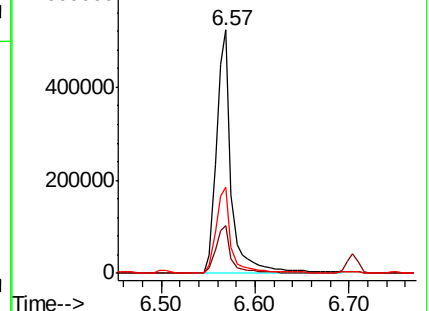
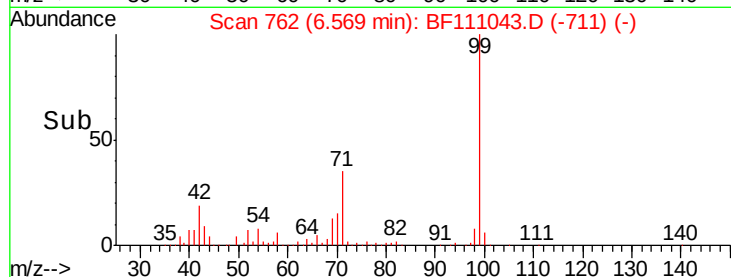
Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.8	23.6
71	35.3	28.0	42.0



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: 5.710 ng

RT: 6.57 min Scan# 763

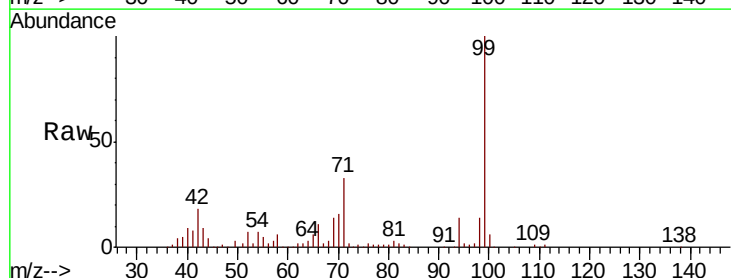
Delta R.T. -0.01 min

Lab File: BF111043.D

Acq: 28 Nov 2018 14:10

Tgt Ion: 94 Resp: 32877

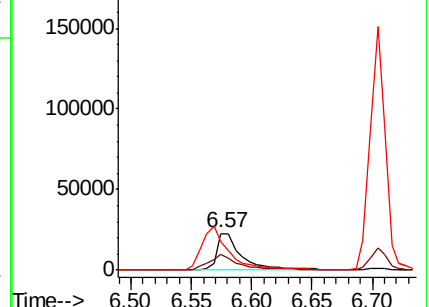
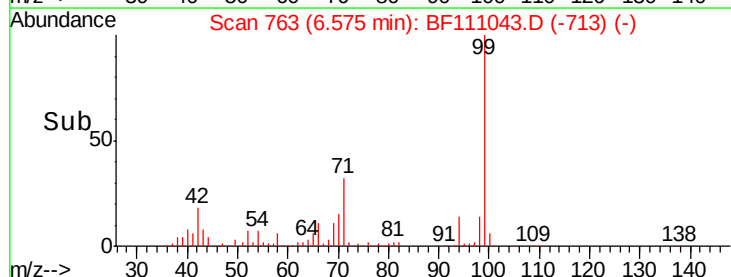
Ion	Ratio	Lower	Upper
94	100		
65	42.0	25.3	65.3
66	77.4	54.5	94.5

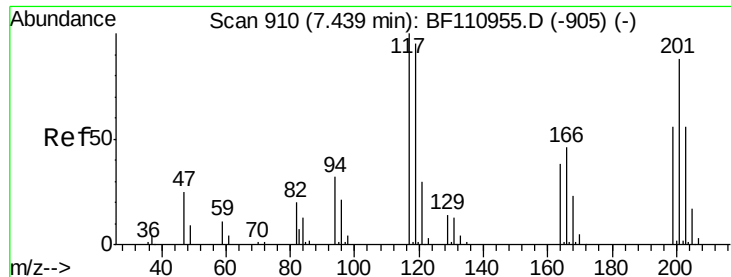


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

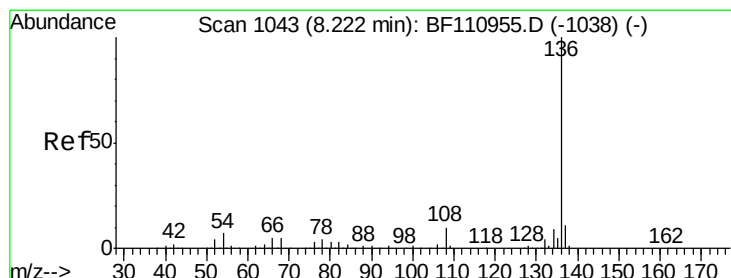
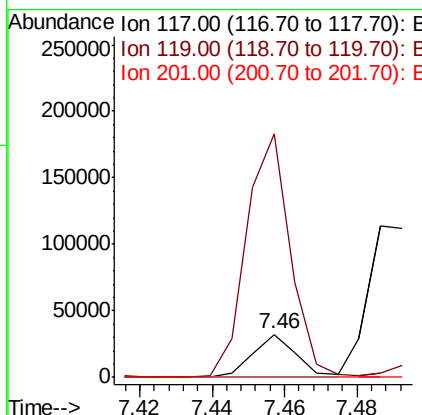
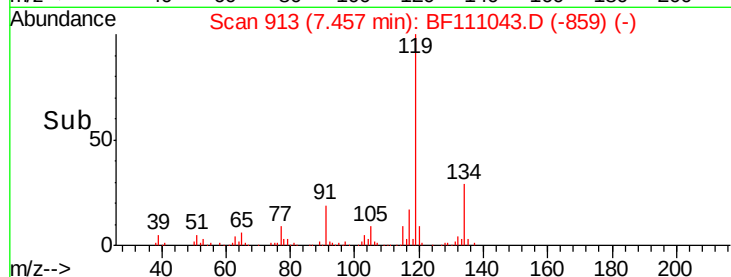
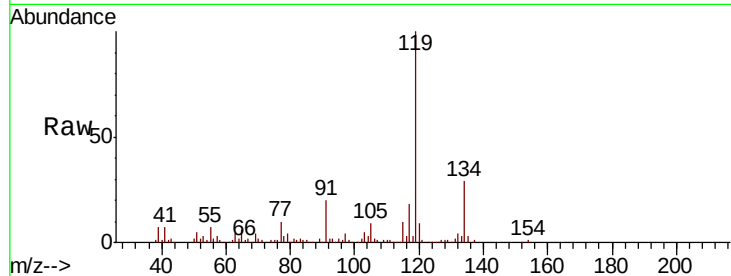




#18
Hexachloroethane
Concen: 14.268 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.02 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

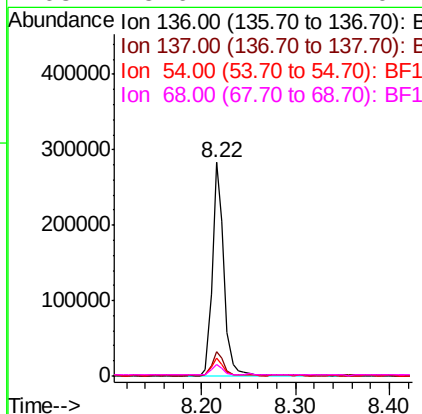
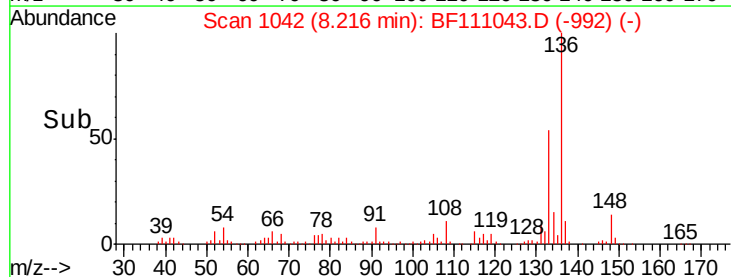
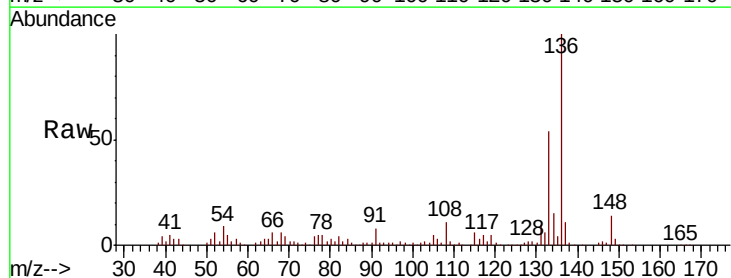
Instrument :
BNA_F
ClientSampled :

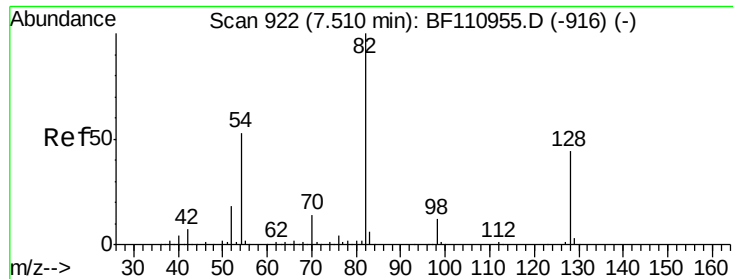
Tot Ion:117 Resp: 27567
Ion Ratio Lower Upper
117 100
119 563.7 75.0 112.6#
201 0.0 79.2 118.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

Tgt Ion:136 Resp: 252002
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.7 5.4 8.2#
68 5.6 4.2 6.2

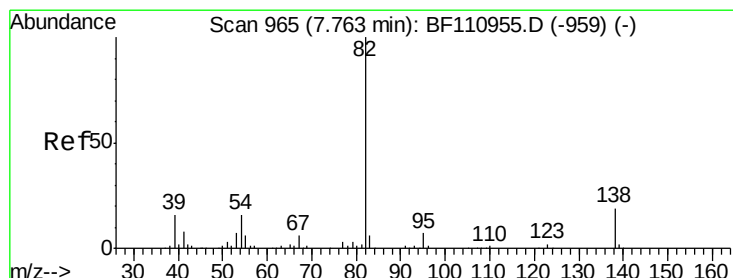
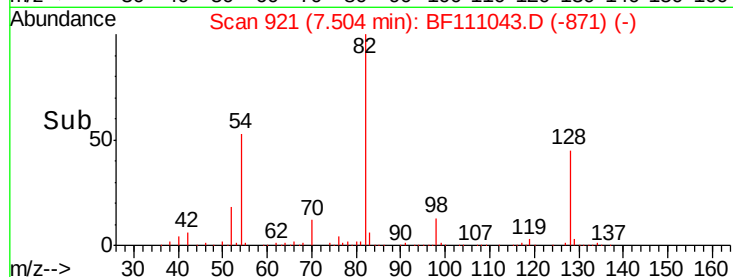
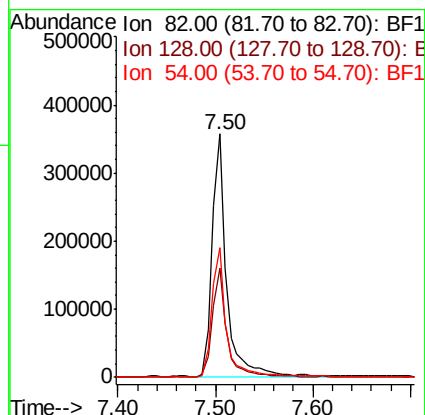
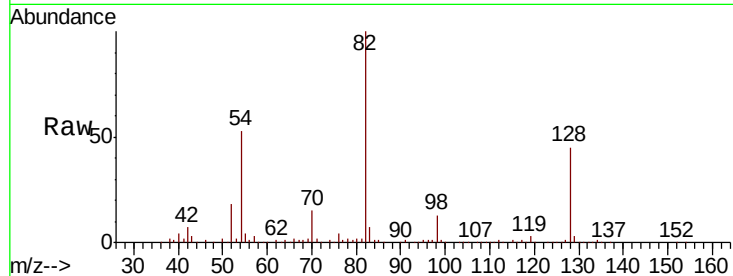




#23
Nitrobenzene-d5
Concen: 82.797 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

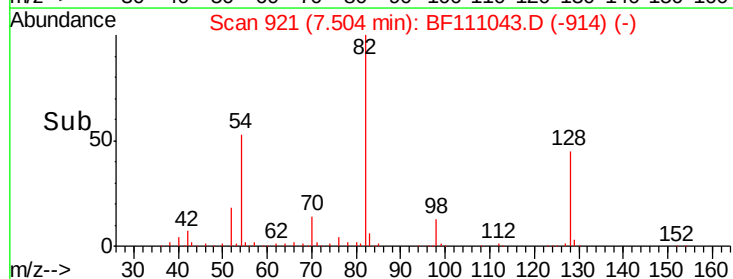
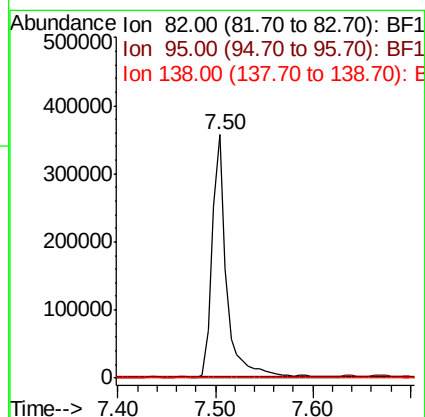
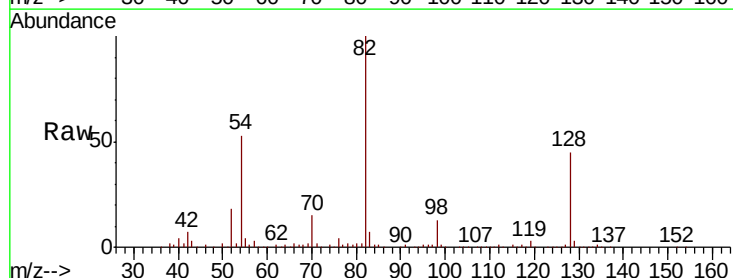
Instrument :
BNA_F
ClientSampled :

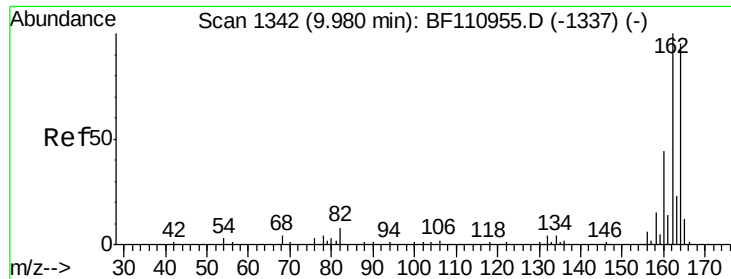
Tot Ion	82	Resp	364578
Ion Ratio	Lower	Upper	
82	100		
128	44.8	34.2	51.2
54	53.2	38.6	58.0



#25
Isophorone
Concen: 50.475 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

Tgt Ion	82	Resp	364578
Ion Ratio	Lower	Upper	
82	100		
95	0.9	5.7	8.5#
138	0.0	13.2	19.8#

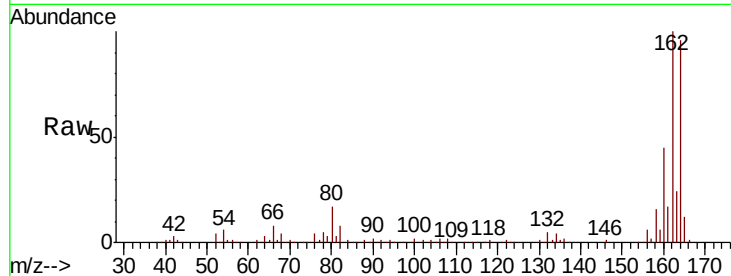




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF111043.D
 Acq: 28 Nov 2018 14:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	83.0	124.6
160	46.8	37.0	55.6

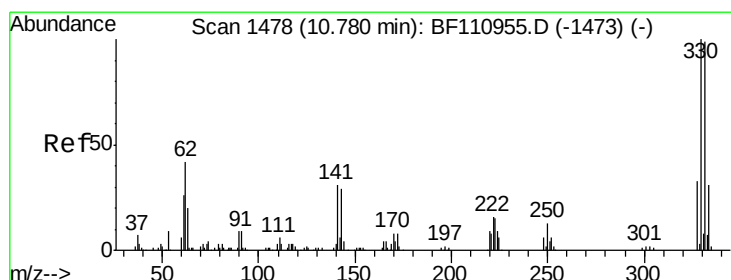
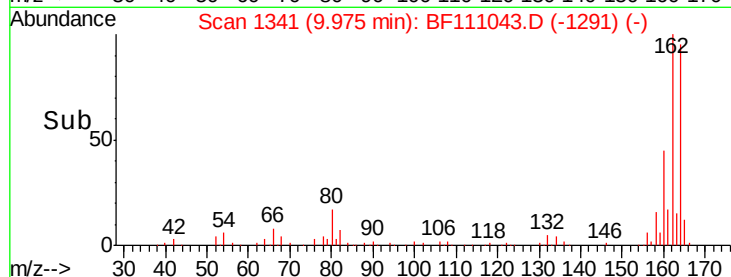
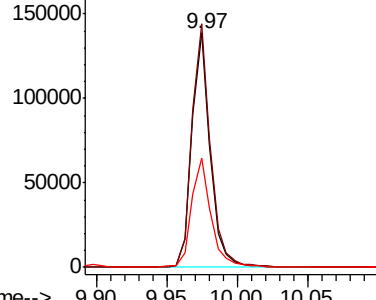


Abundance

Ion 164.00 (163.70 to 164.70): E

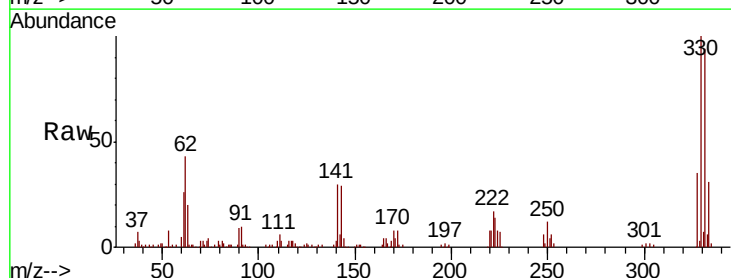
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
 2,4,6-Tribromophenol
 Concen: 120.867 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF111043.D
 Acq: 28 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	38.9	27.0	40.4

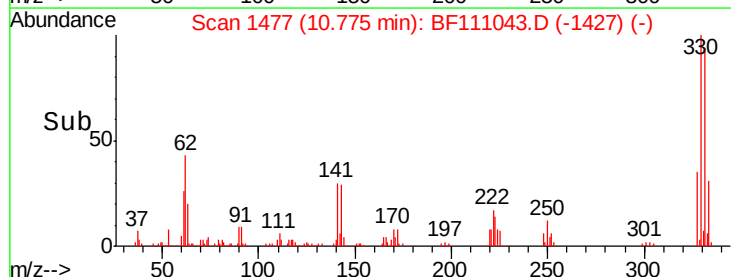
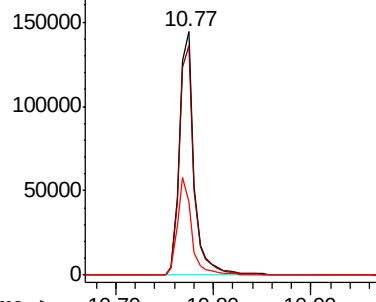


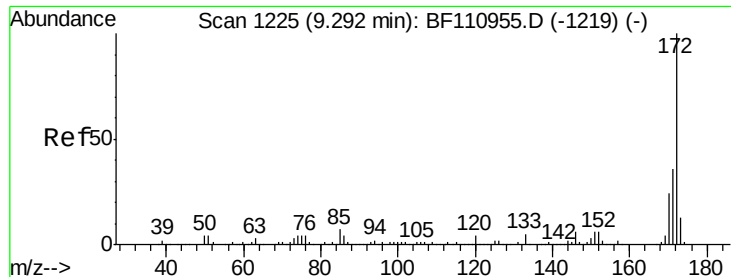
Abundance

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

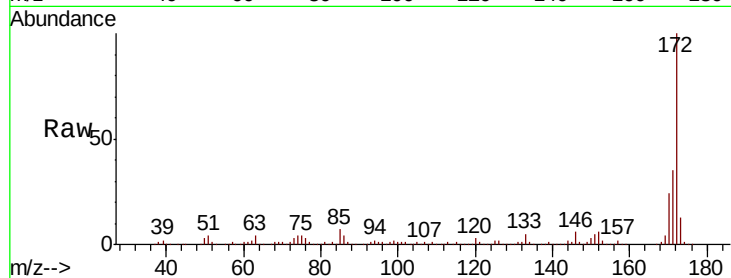




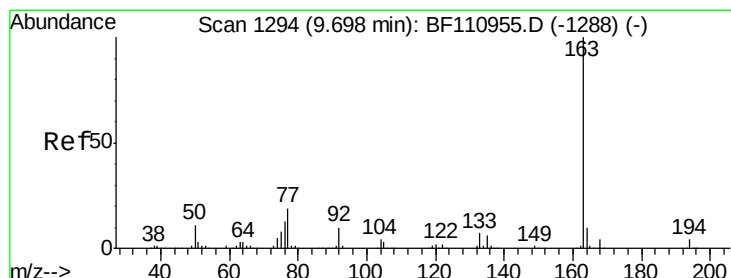
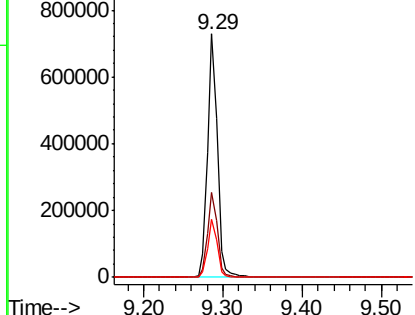
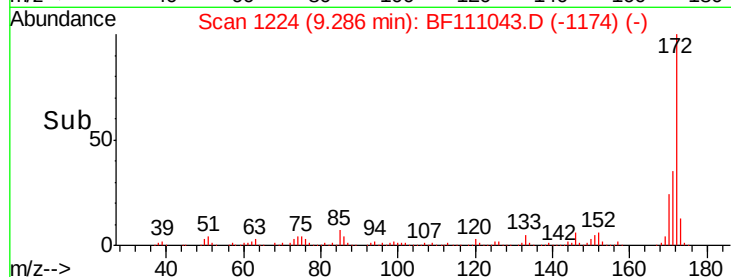
#45
 2-Fluorobiphenyl
 Concen: 73.425 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF111043.D
 Acq: 28 Nov 2018 14:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 636582
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 23.6 19.7 29.5

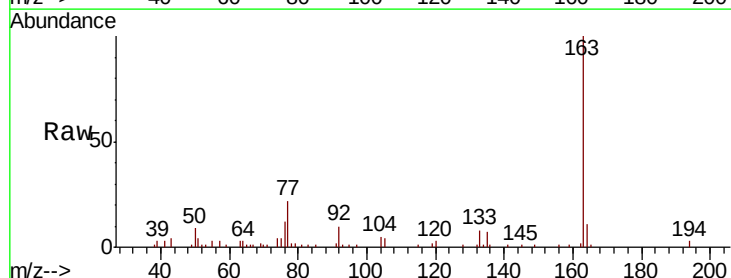


Abundance Ion 172.00 (171.70 to 172.70): E
 1000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

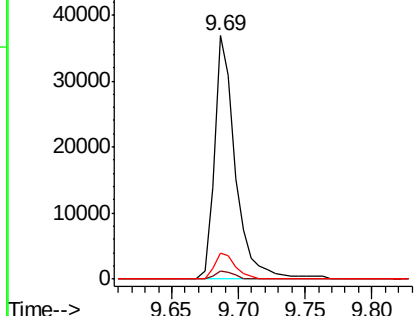
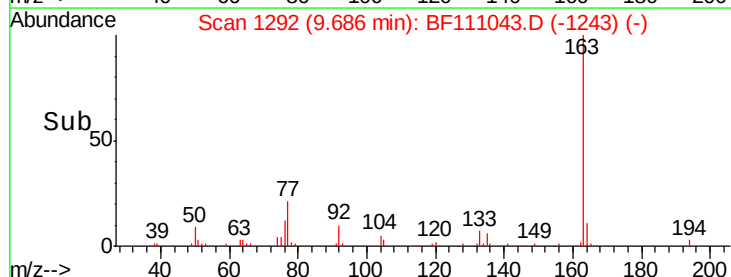


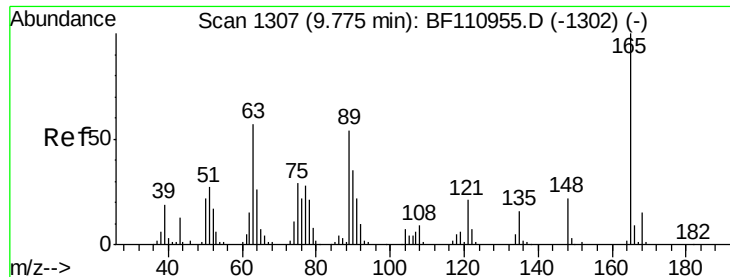
#50
 Dimethylphthalate
 Concen: 4.412 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF111043.D
 Acq: 28 Nov 2018 14:10

Tgt Ion:163 Resp: 40645
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.2 4.8
 164 10.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
 50000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.676 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.20 min

Lab File: BF111043.D

Acq: 28 Nov 2018 14:10

Instrument :

BNA_F

ClientSampleId :

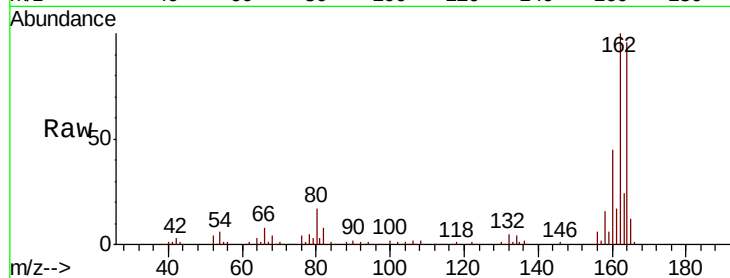
Tot Ion:165 Resp: 15742

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

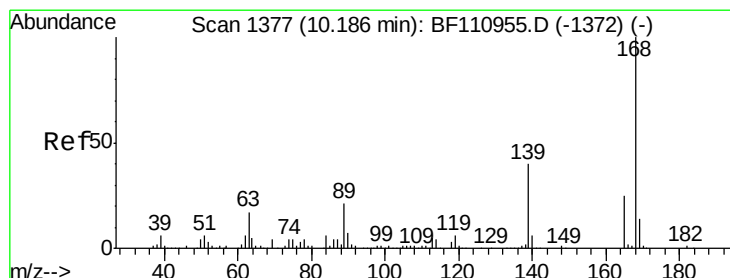
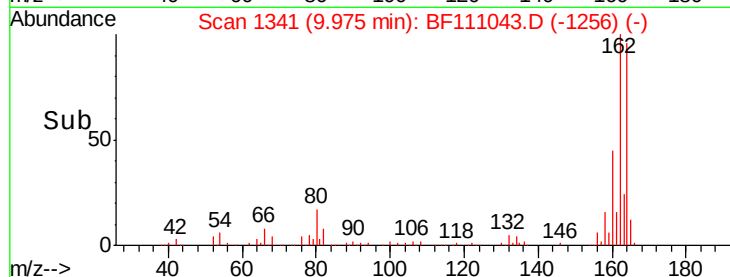
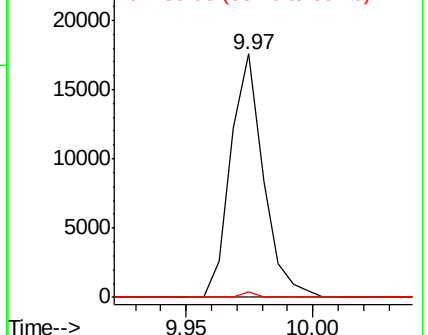
89 2.2 46.6 69.8#



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: 5.916 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.21 min

Lab File: BF111043.D

Acq: 28 Nov 2018 14:10

Tgt Ion:165 Resp: 15742

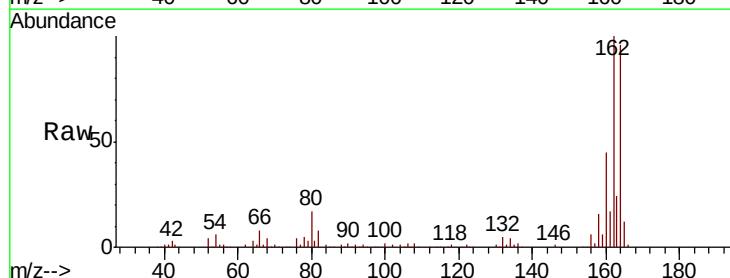
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 2.2 62.2 93.4#

182 0.0 2.1 3.1#

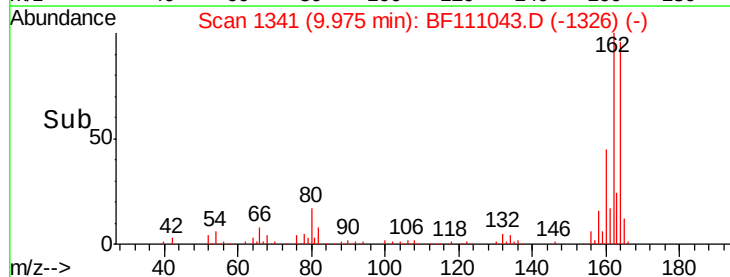
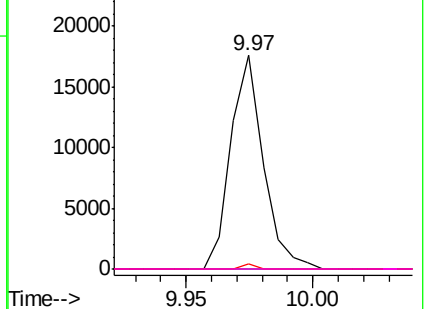


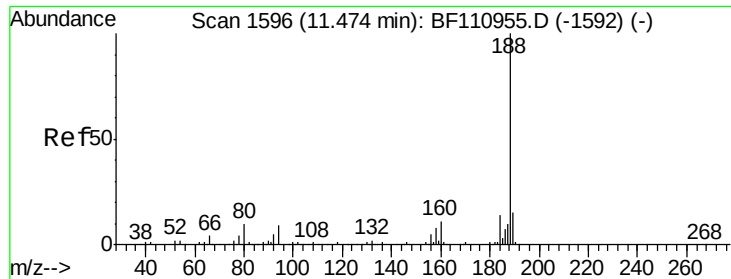
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BF111043.D

Acq: 28 Nov 2018 14:10

Instrument :

BNA_F

ClientSampled :

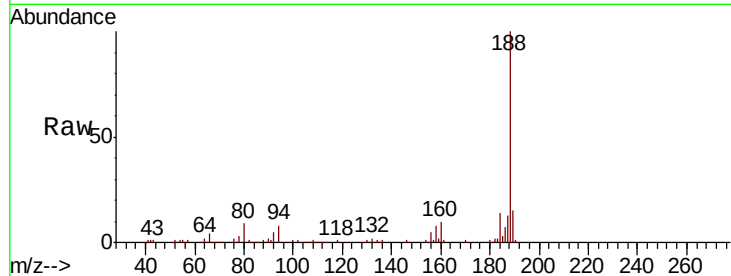
Tot Ion:188 Resp: 233712

Ion Ratio Lower Upper

188 100

94 7.8 7.2 10.8

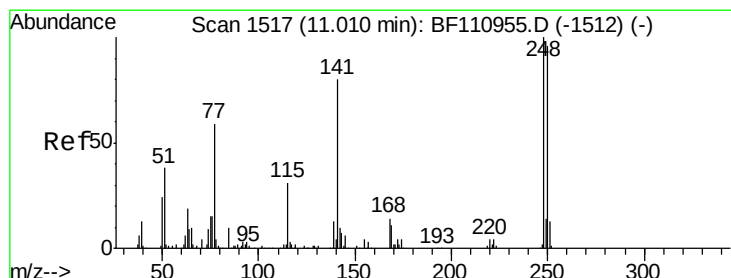
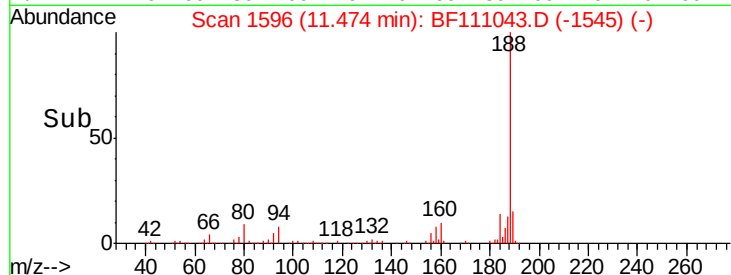
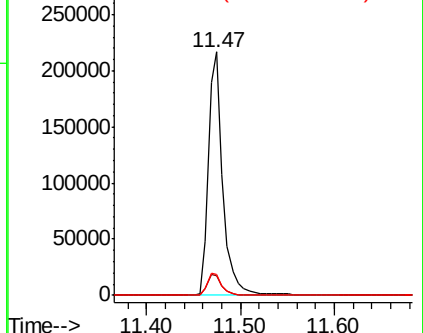
80 8.7 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 3.725 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.24 min

Lab File: BF111043.D

Acq: 28 Nov 2018 14:10

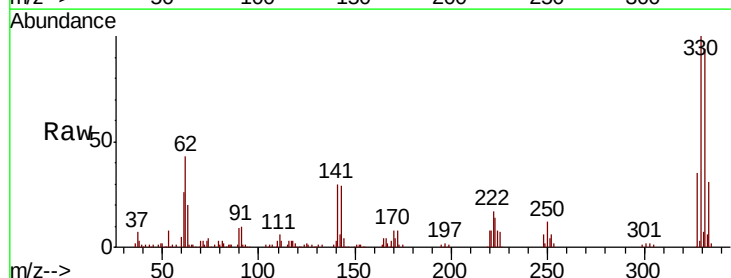
Tgt Ion:248 Resp: 9482

Ion Ratio Lower Upper

248 100

250 194.4 79.4 119.2#

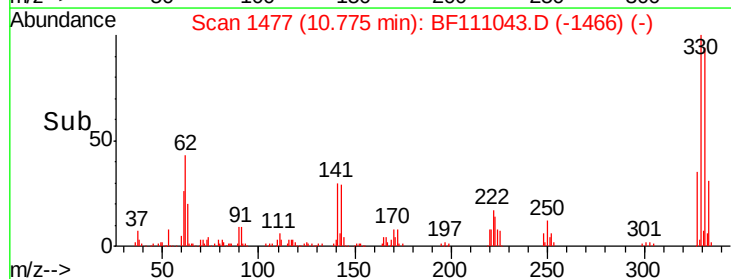
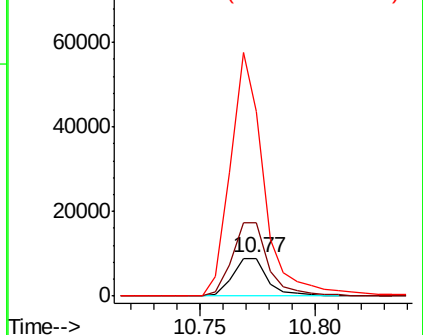
141 489.4 55.9 83.9#

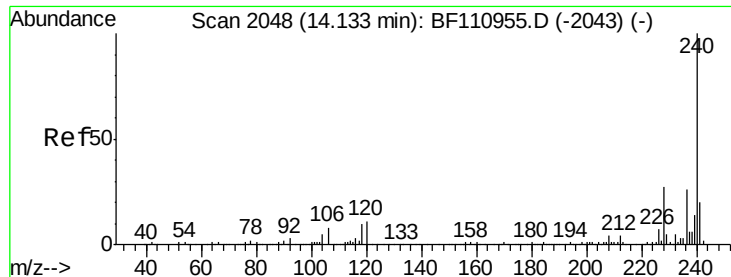


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

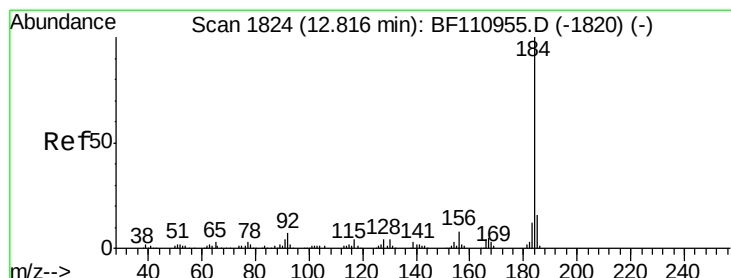
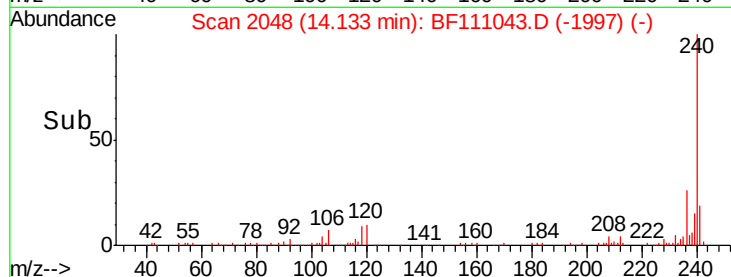
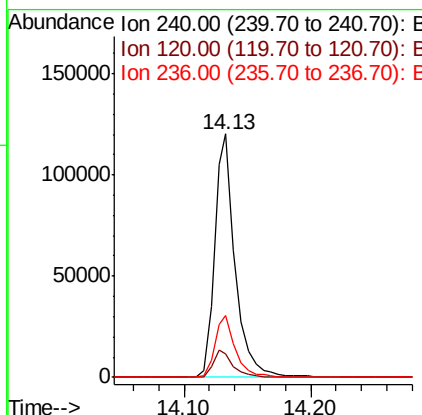
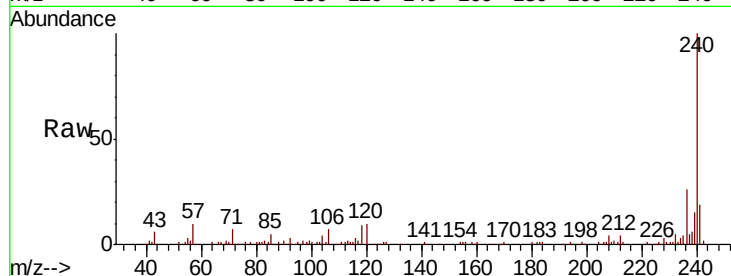




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.00 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

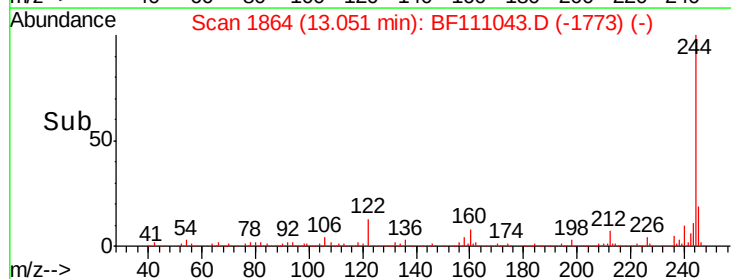
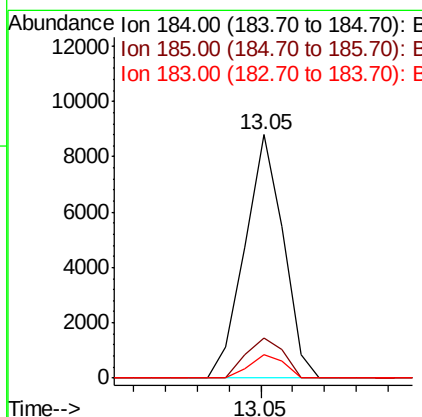
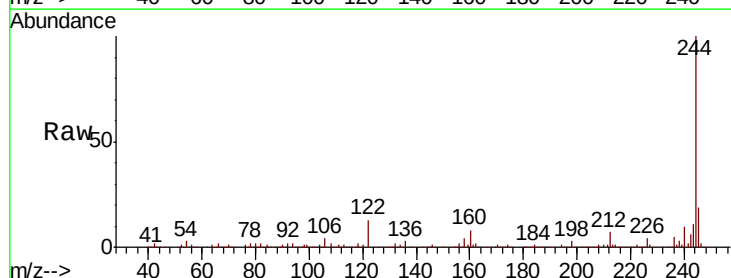
Instrument :
BNA_F
ClientSampleId :

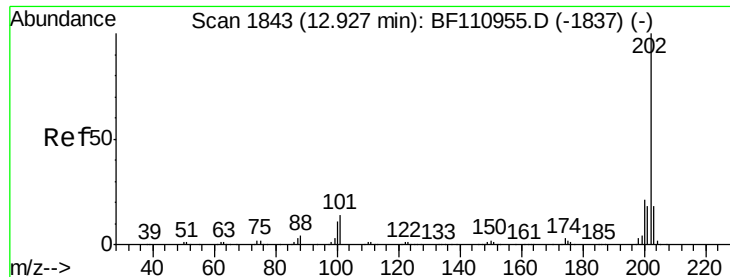
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.3	12.5
236	25.6	21.2	31.8



#77
Benzidine
Concen: 2.128 ng
RT: 13.05 min Scan# 1864
Delta R.T. 0.24 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.6	13.4	20.2
183	9.6	9.4	14.2

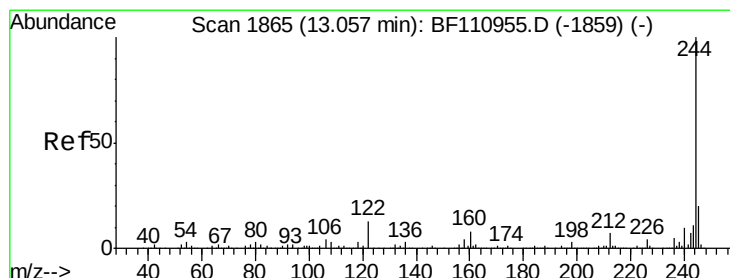
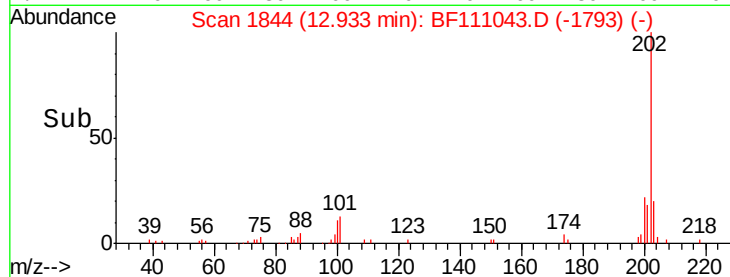
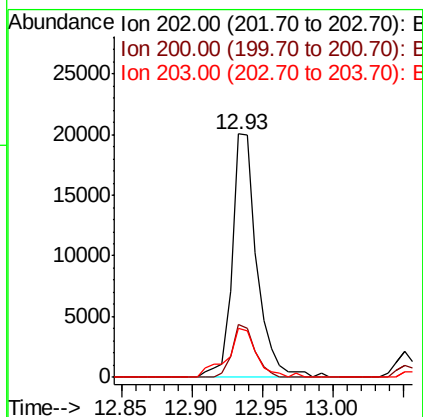
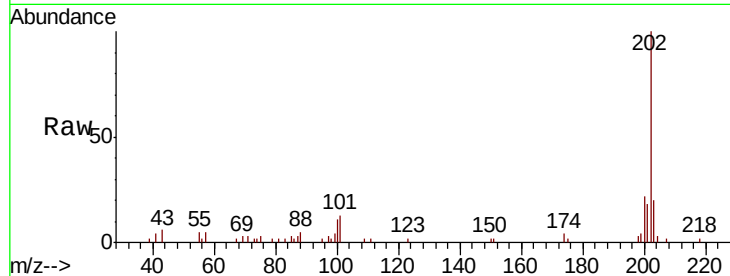




#78
Pvrene
Concen: 2.459 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

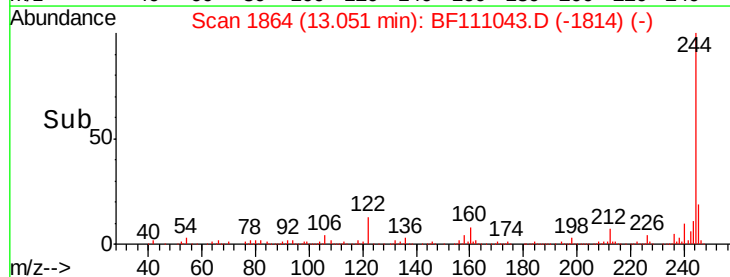
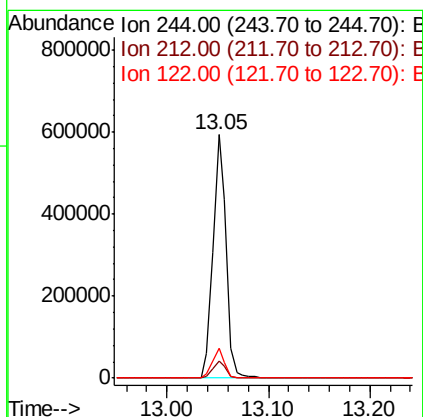
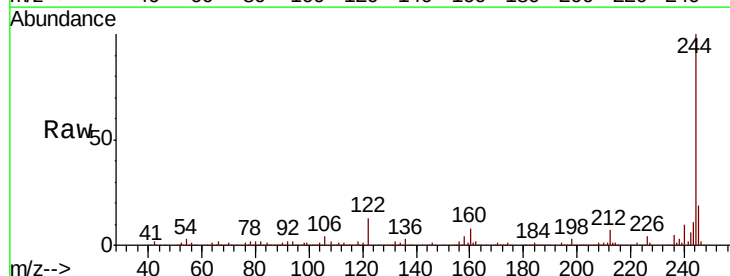
Instrument :
BNA_F
ClientSampled :

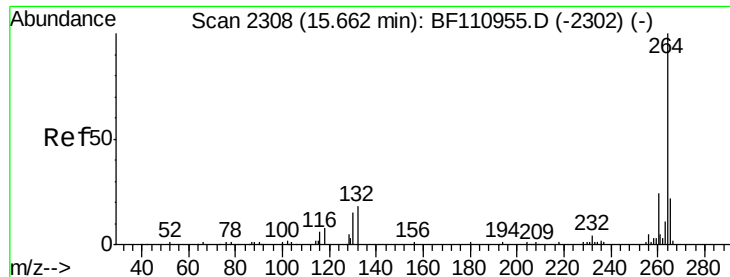
Tot Ion:202 Resp: 24481
Ion Ratio Lower Upper
202 100
200 21.8 17.8 26.6
203 20.1 14.2 21.4



#79
Terphenyl-d14
Concen: 75.996 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

Tgt Ion:244 Resp: 532057
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 12.5 8.7 13.1



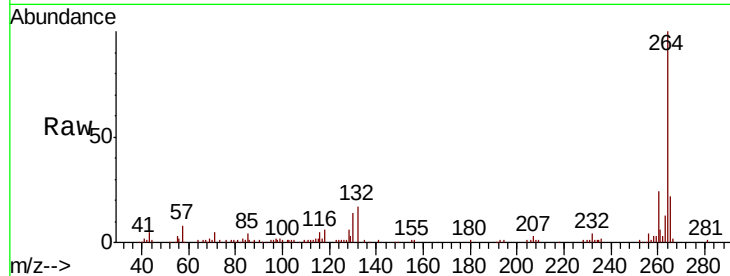


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

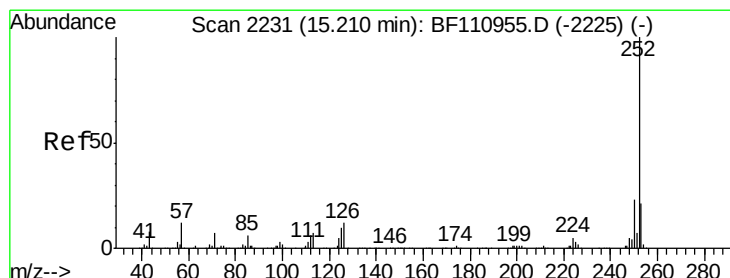
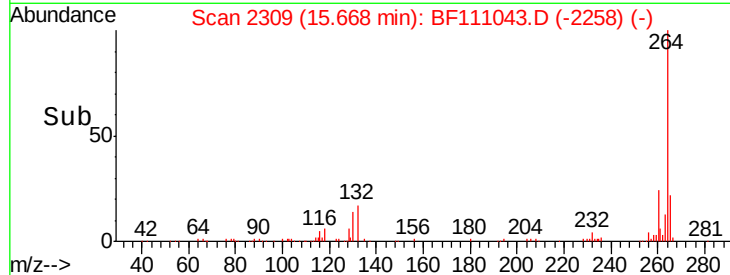
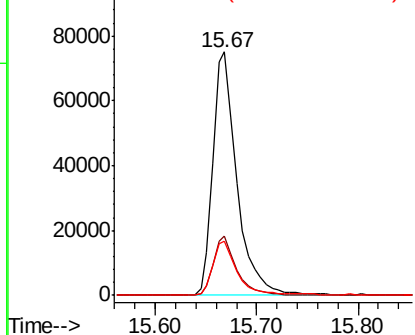
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 123720

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.2	16.7	25.1



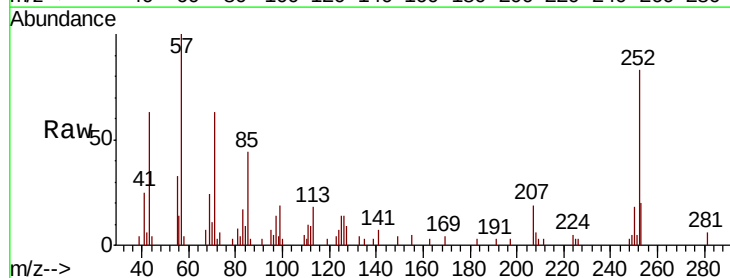
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



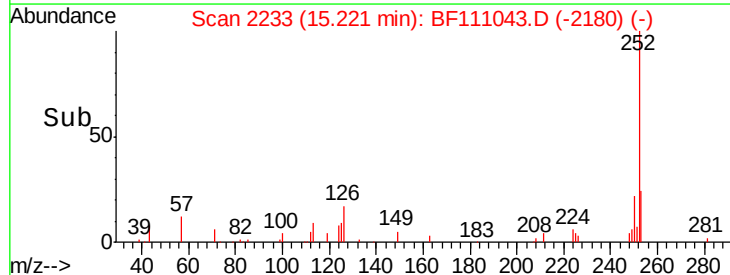
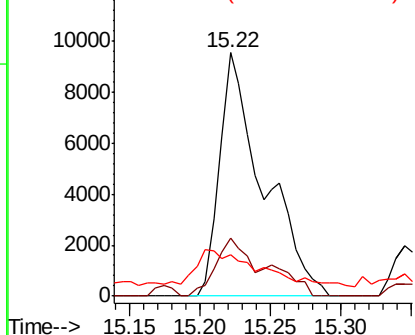
#88
Benzo(b)fluoranthene
Concen: 2.836 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF111043.D
Acq: 28 Nov 2018 14:10

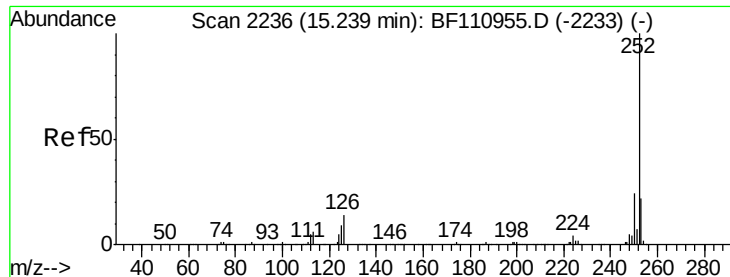
Tgt Ion:252 Resp: 20612

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	16.9	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: 2.755 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.02 min

Lab File: BF111043.D

Acq: 28 Nov 2018 14:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 20612

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 16.9 7.4 11.0#

