

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110728.D
 Acq On : 13 Nov 2018 19:26
 Operator : JU/SJ
 Sample : J5925-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6S

Quant Time: Nov 14 04:29:48 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	6.95	152	95421	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	372014	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	157216	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	231184	20.00	ng	0.00
76) Chrysene-d12	14.13	240	166486	20.00	ng	-0.01
87) Perylene-d12	15.66	264	157383	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	810067	137.89	ng	0.01
7) Phenol-d6	6.57	99	1028149	136.87	ng	0.00
23) Nitrobenzene-d5	7.51	82	655111	101.41	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	192777	121.69	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1054284	95.77	ng	0.00
79) Terphenyl-d14	13.06	244	655275	73.71	ng	0.00

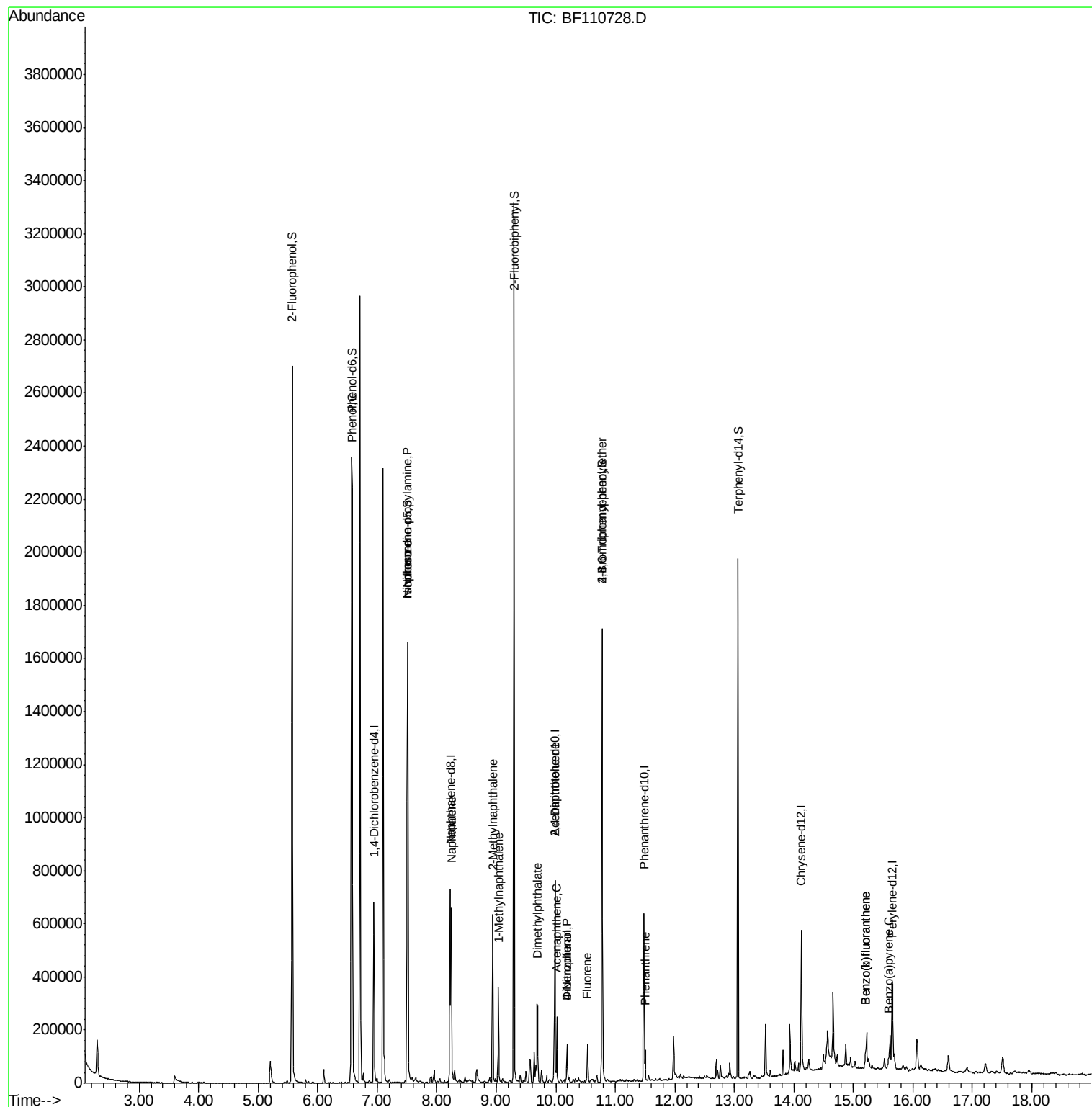
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	791	Below Cal		# 86
10) Phenol	6.59	94	110393	12.673	ng	# 66
19) n-Nitroso-di-n-propylamine	7.51	70	88136	18.380	ng	# 80
25) Isophorone	7.51	82	655107	61.875	ng	# 67
31) Naphthalene	8.25	128	280830	16.080	ng	99
37) 2-Methylnaphthalene	8.94	142	172580	15.074	ng	98
38) 1-Methylnaphthalene	9.04	142	102527	9.312	ng	100
50) Dimethylphthalate	9.69	163	129939	11.077	ng	100
52) Acenaphthene	10.02	154	49165	5.113	ng	96
55) Dibenzofuran	10.19	168	60179	4.277	ng	93
56) 4-Nitrophenol	10.19	139	23797	11.998	ng	# 7
57) 2,4-Dinitrotoluene	9.98	165	21477	6.401	ng	# 19
58) Fluorene	10.53	166	39856	3.688	ng	99
67) 4-Bromophenyl-phenylether	10.78	248	12643	4.948	ng	# 1
71) Phenanthrene	11.50	178	42630	3.442	ng	99
88) Benzo(b)fluoranthene	15.20	252	35219	3.741	ng	# 94
89) Benzo(k)fluoranthene	15.20	252	35219	3.786	ng	# 93
90) Benzo(a)pyrene	15.59	252	18863	2.205	ng	95

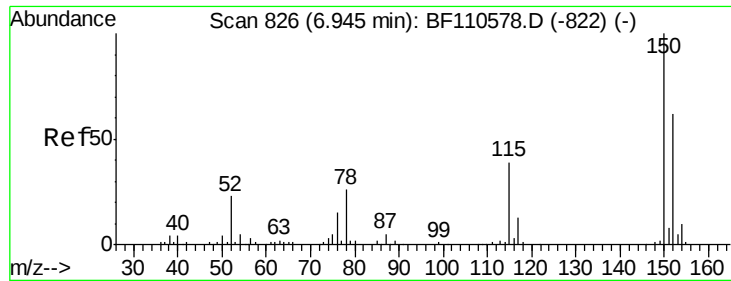
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
Data File : BF110728.D
Acq On : 13 Nov 2018 19:26
Operator : JU/SJ
Sample : J5925-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6S

Quant Time: Nov 14 04:29:48 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

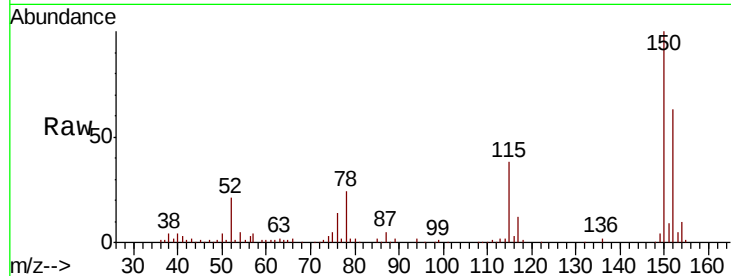




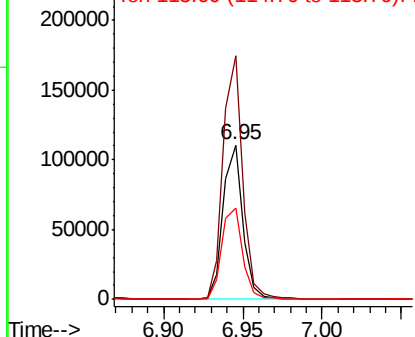
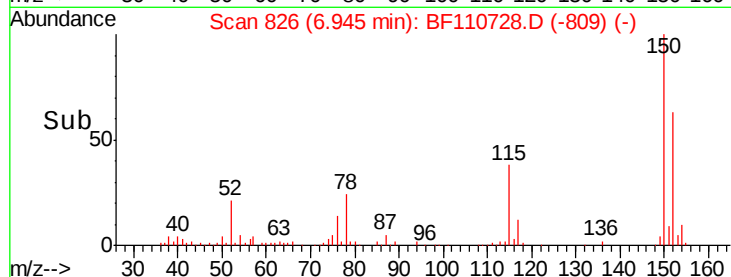
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-6S

Tgt Ion:152 Resp: 95421
 Ion Ratio Lower Upper
 152 100
 150 157.7 122.7 184.1
 115 59.3 49.1 73.7

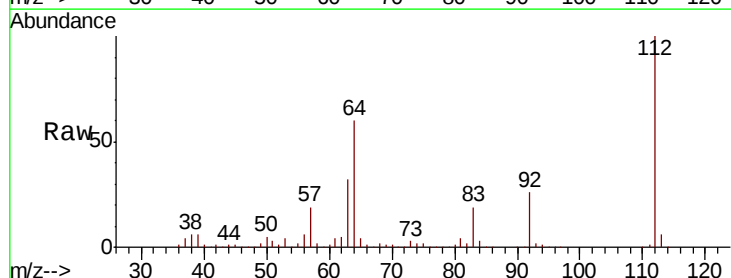


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

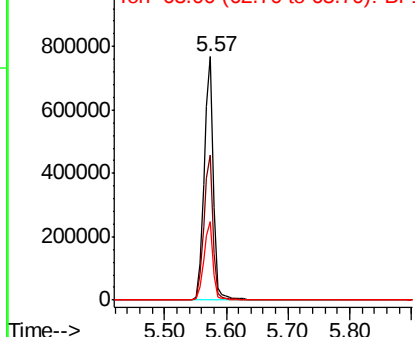
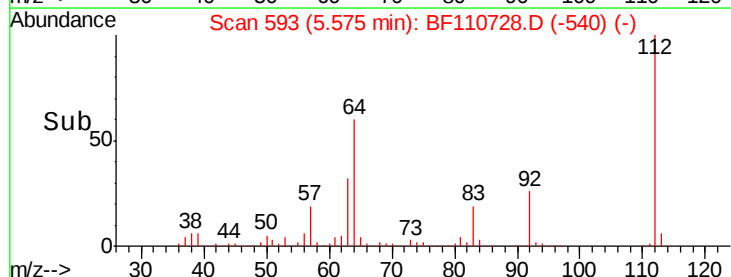


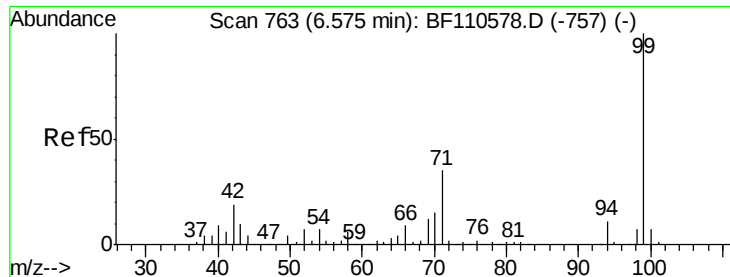
#5
 2-Fluorophenol
 Concen: 137.895 ng
 RT: 5.57 min Scan# 593
 Delta R.T. 0.01 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Tgt Ion:112 Resp: 810067
 Ion Ratio Lower Upper
 112 100
 64 59.8 44.1 66.1
 63 32.1 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: 136.865 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110728.D

Acq: 13 Nov 2018 19:26

Instrument :

BNA_F

ClientSampled :

TP-6S

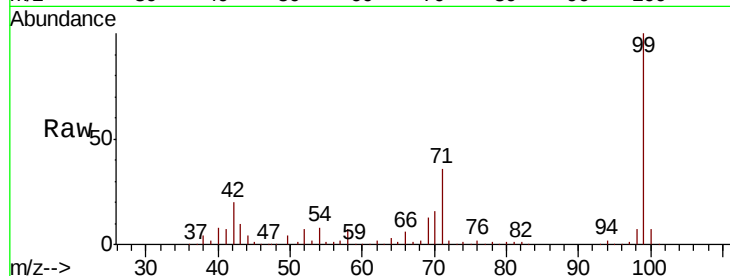
Tgt Ion: 99 Resp: 1028149

Ion Ratio Lower Upper

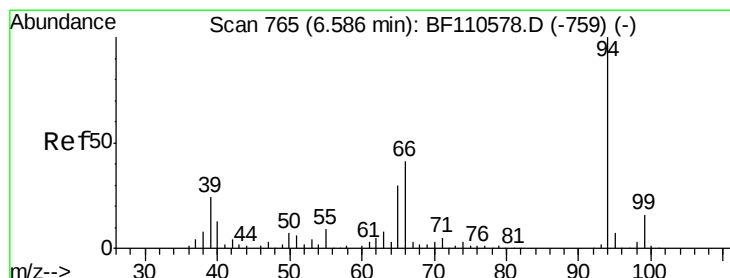
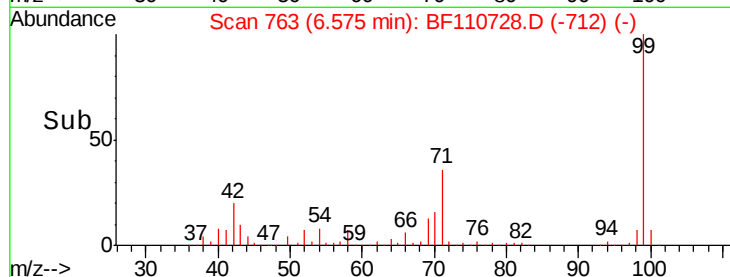
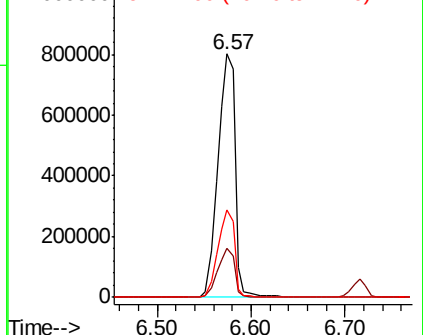
99 100

42 19.9 15.8 23.6

71 35.9 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: 12.673 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110728.D

Acq: 13 Nov 2018 19:26

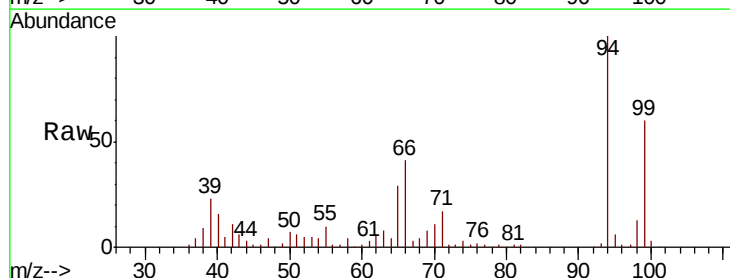
Tgt Ion: 94 Resp: 110393

Ion Ratio Lower Upper

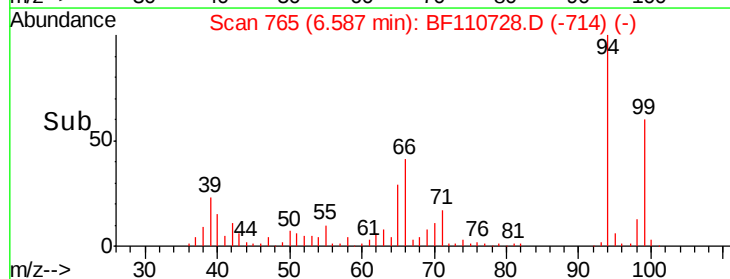
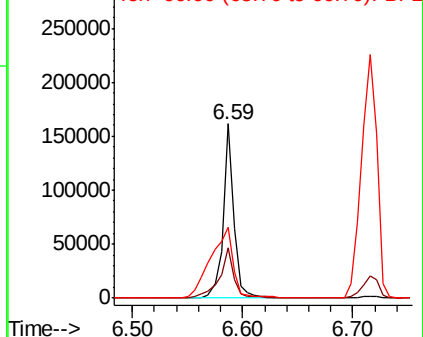
94 100

65 29.2 25.3 65.3

66 41.0 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

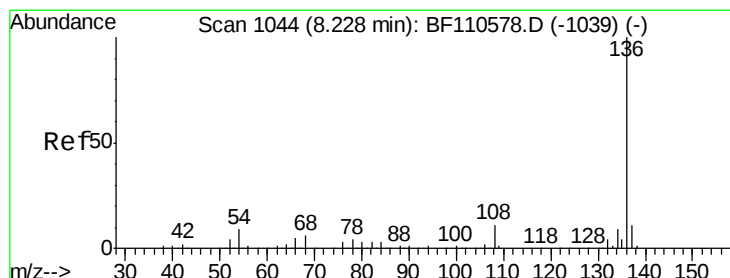
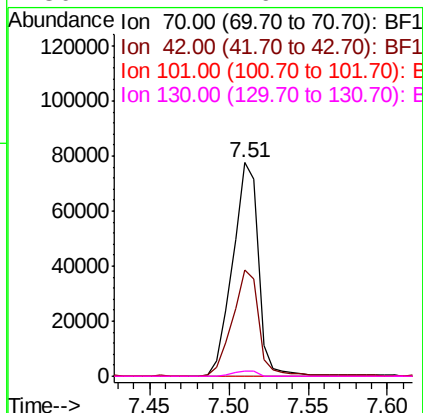
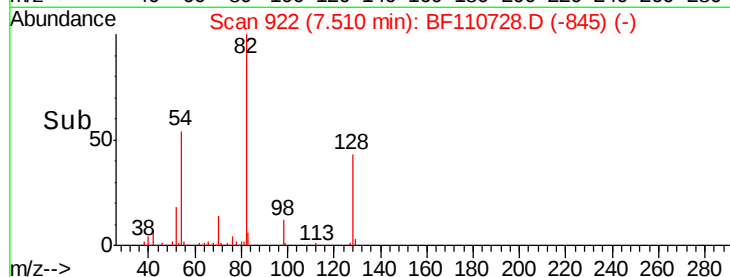
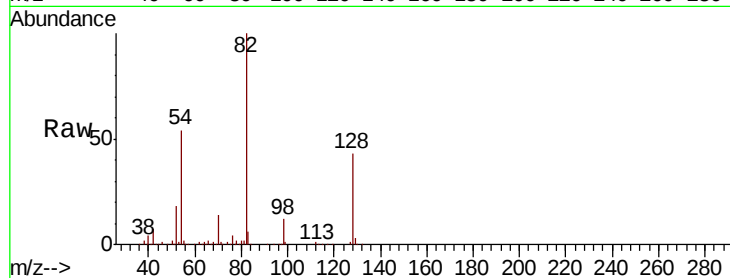




#19
n-Nitroso-di-n-propylamine
Concen: 18.380 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

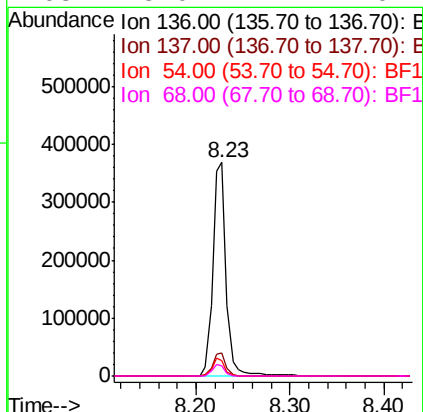
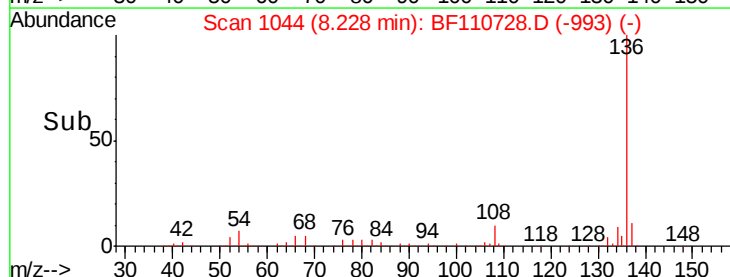
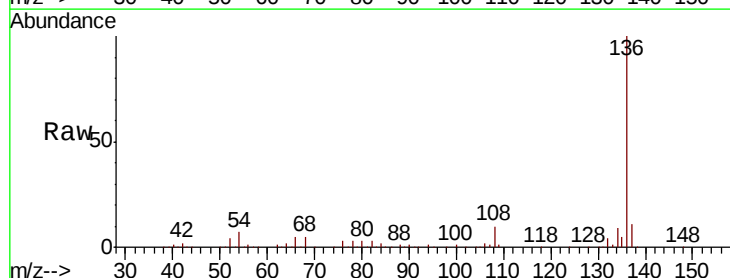
Instrument :
BNA_F
ClientSampleId :
TP-6S

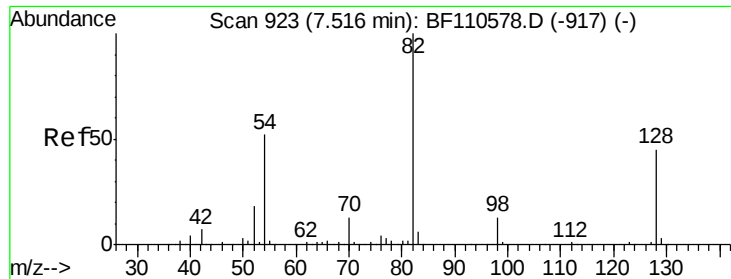
Tgt Ion: 70 Resp: 88136
Ion Ratio Lower Upper
70 100
42 49.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Tgt Ion: 136 Resp: 372014
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.1 5.4 8.2
68 5.0 4.2 6.2

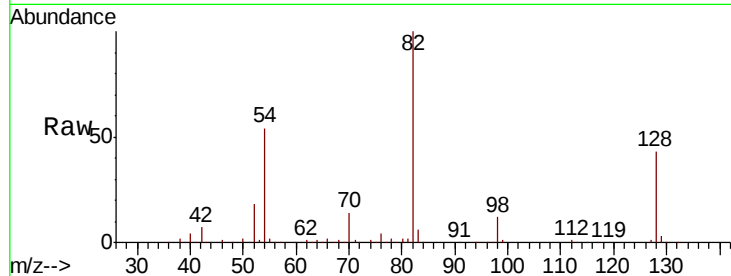




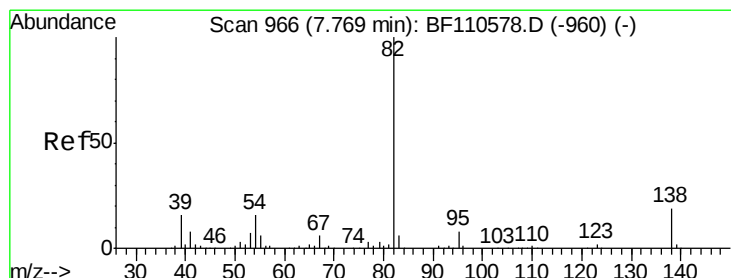
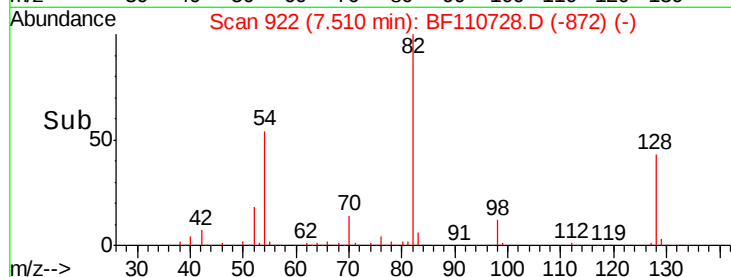
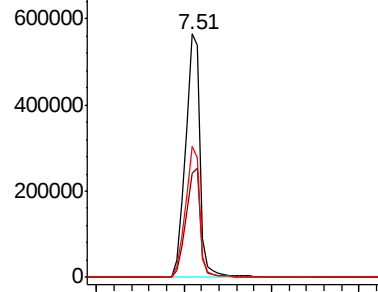
#23
 Nitrobenzene-d5
 Concen: 101.414 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-6S

Tgt Ion: 82 Resp: 655111
 Ion Ratio Lower Upper
 82 100
 128 42.7 34.2 51.2
 54 53.6 38.6 58.0

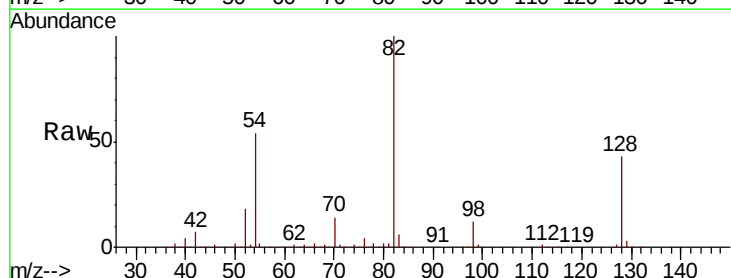


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

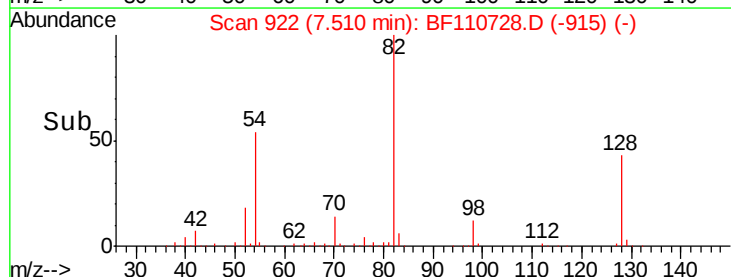
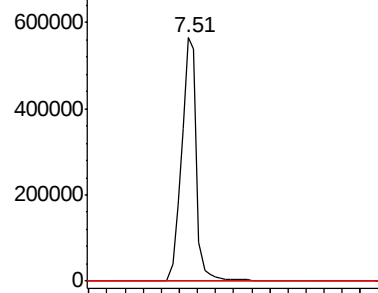


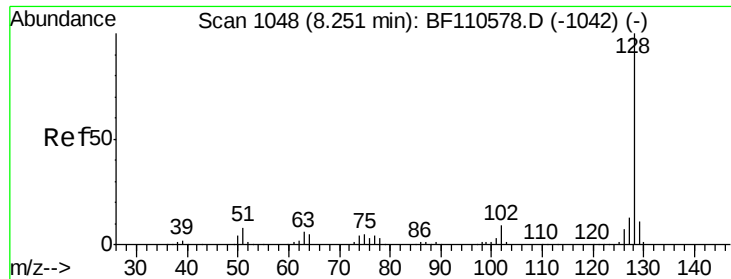
#25
 Isophorone
 Concen: 61.875 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Tgt Ion: 82 Resp: 655107
 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

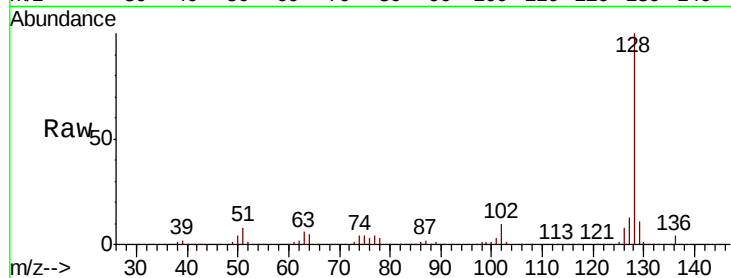




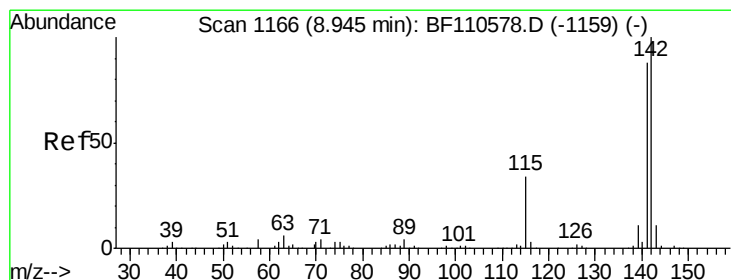
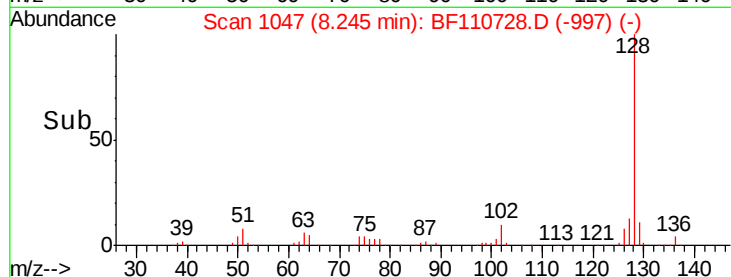
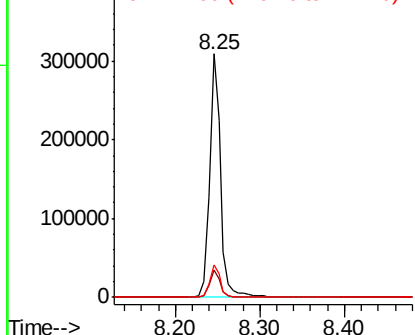
#31
Naphthalene
Concen: 16.080 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Instrument :
BNA_F
ClientSampleId :
TP-6S

Tgt Ion:128 Resp: 280830
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.1 10.8 16.2

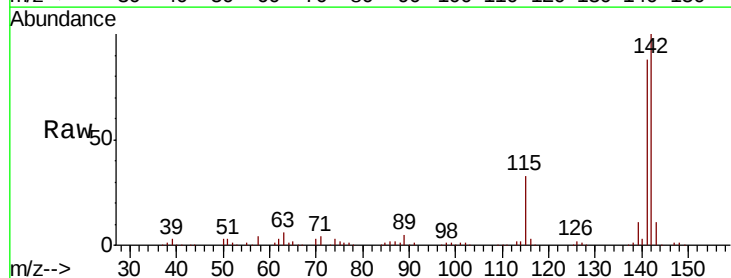


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

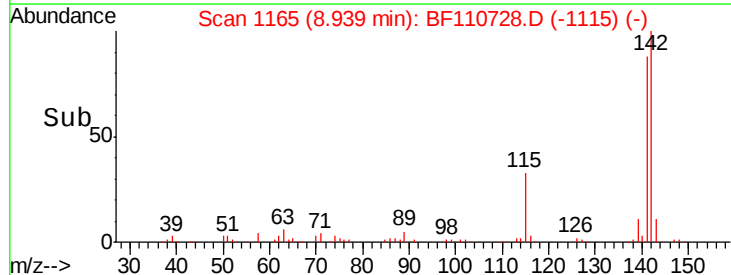
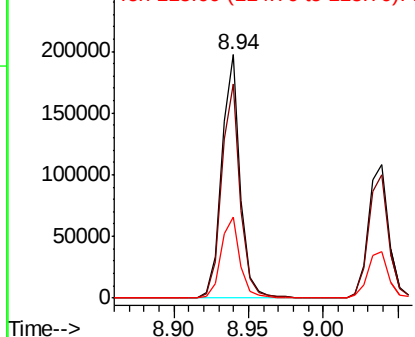


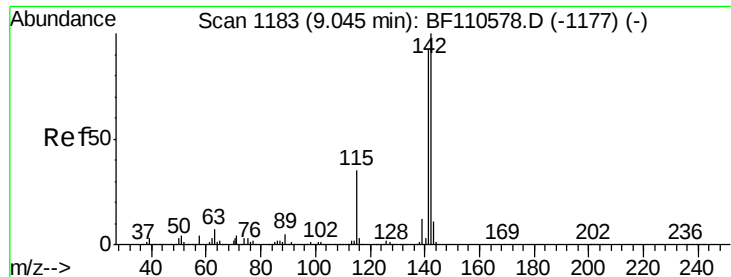
#37
2-Methylnaphthalene
Concen: 15.074 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Tgt Ion:142 Resp: 172580
Ion Ratio Lower Upper
142 100
141 88.1 71.4 107.2
115 33.4 28.7 43.1



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

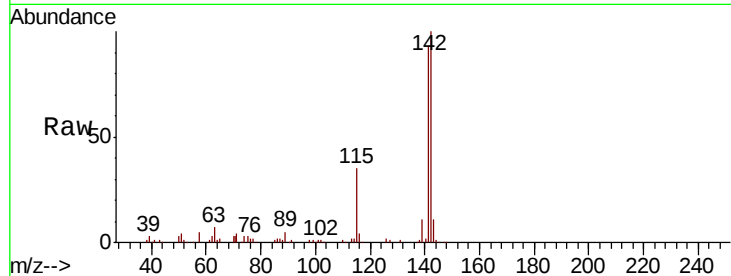




#38
1-Methylnaphthalene
Concen: 9.312 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Instrument :
BNA_F
ClientSampled :
TP-6S

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4
116	3.6	2.6	4.0

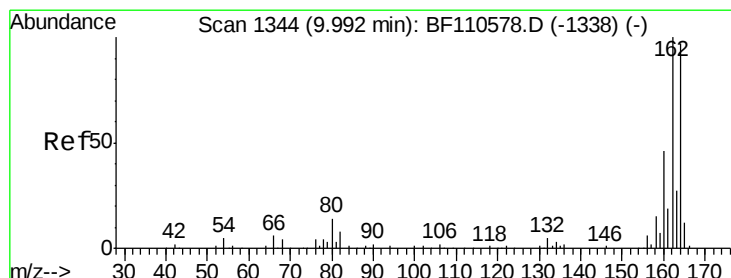
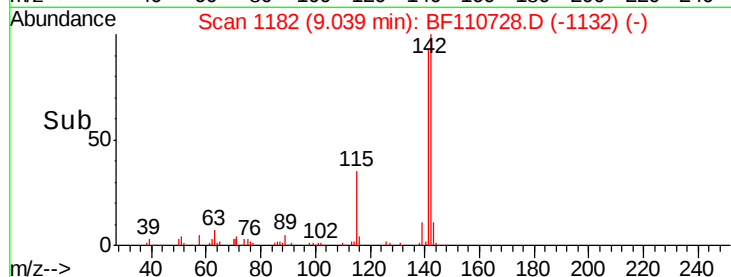
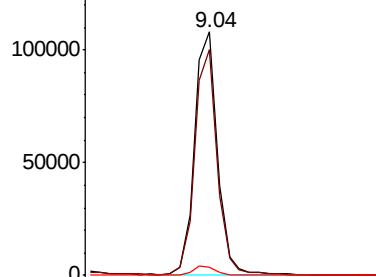


Abundance

Ion 142.00 (141.70 to 142.70): E

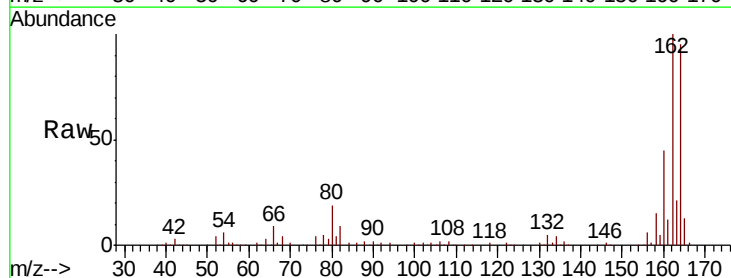
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.0	124.6
160	46.6	37.0	55.6

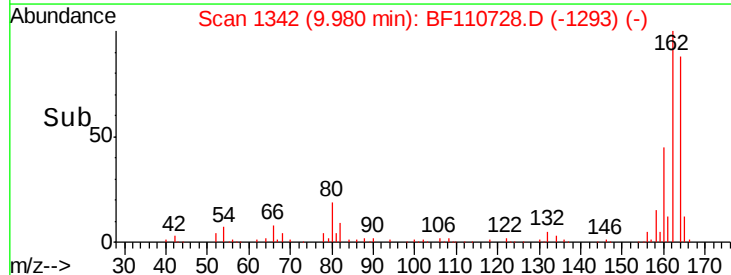
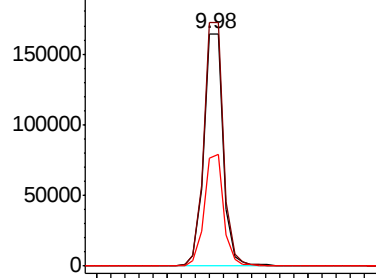


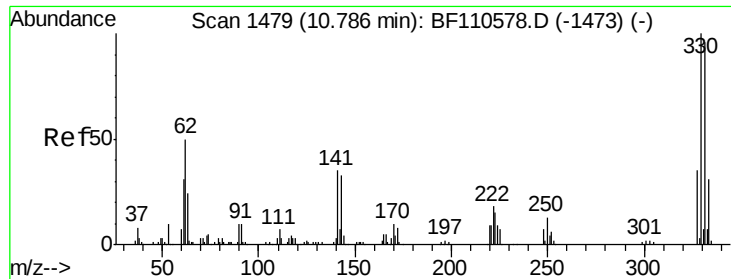
Abundance

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

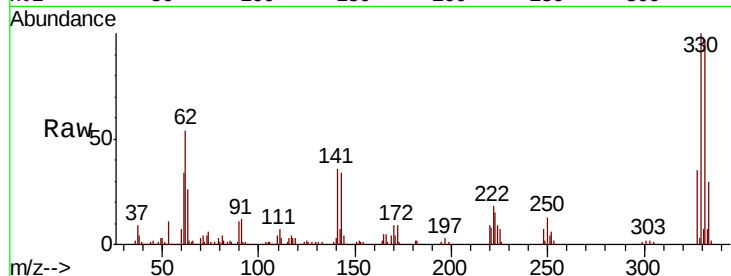




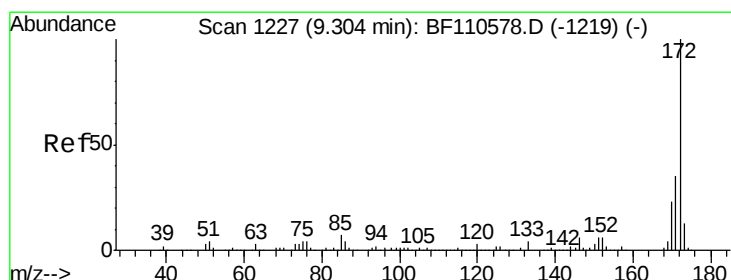
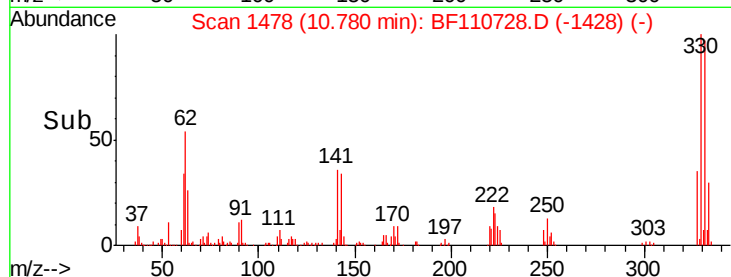
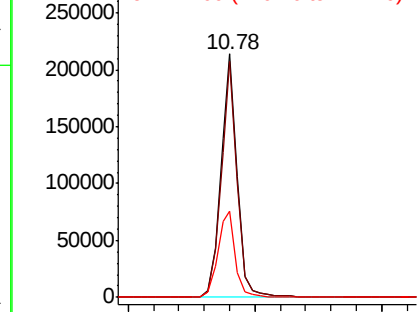
#42
 2,4,6-Tribromophenol
 Concen: 121.691 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Instrument :
 BNA_F
 ClientSampled :
 TP-6S

Tgt Ion:330 Resp: 192777
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.1 115.7
 141 38.3 27.0 40.4

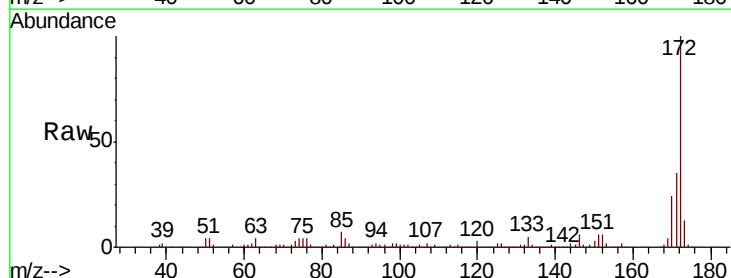


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

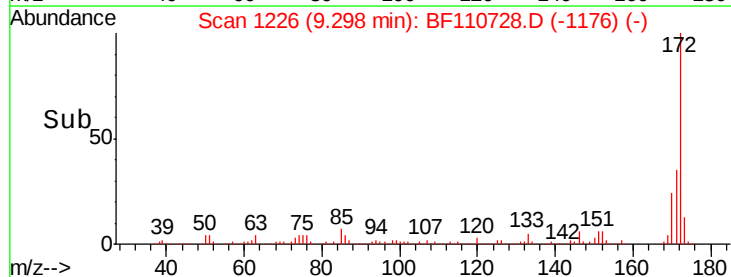
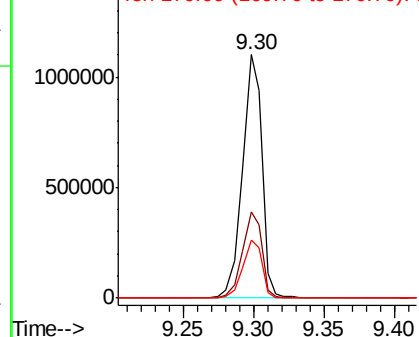


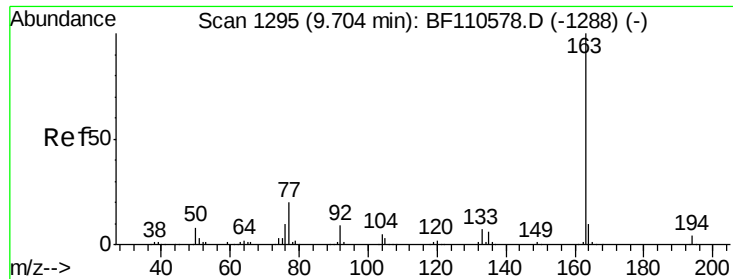
#45
 2-Fluorobiphenyl
 Concen: 95.773 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Tgt Ion:172 Resp: 1054284
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 43.0
 170 23.8 19.7 29.5



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

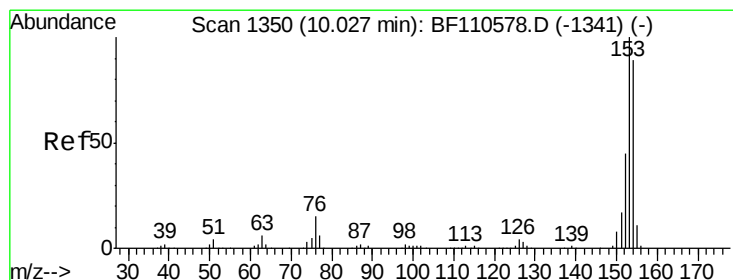
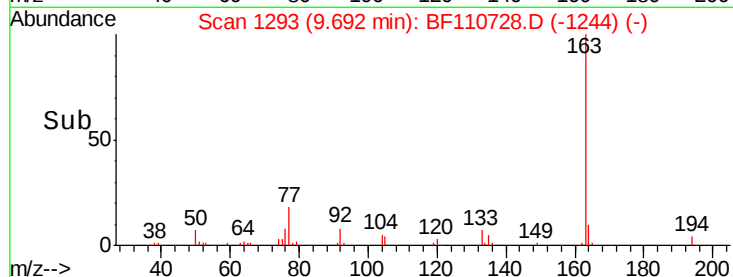
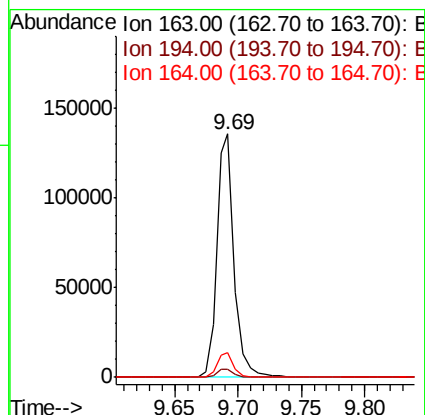
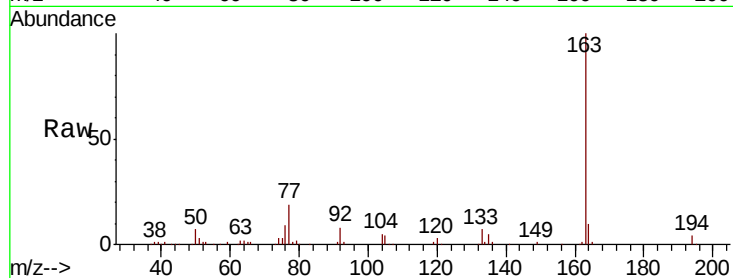




#50
Dimethylphthalate
Concen: 11.077 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

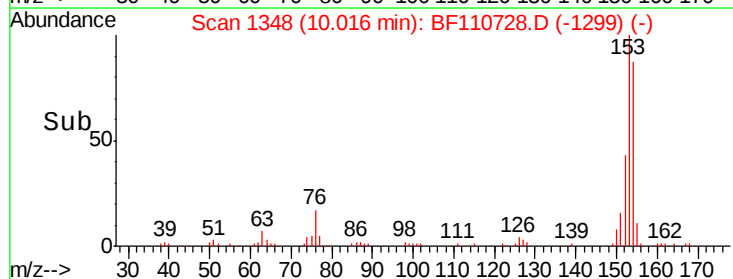
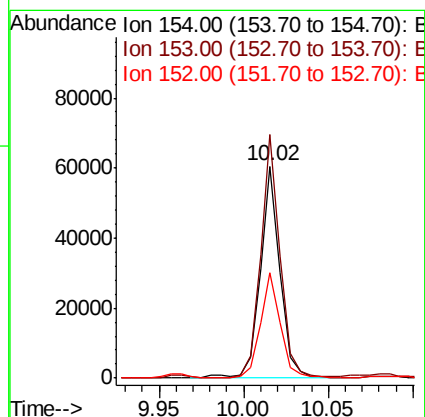
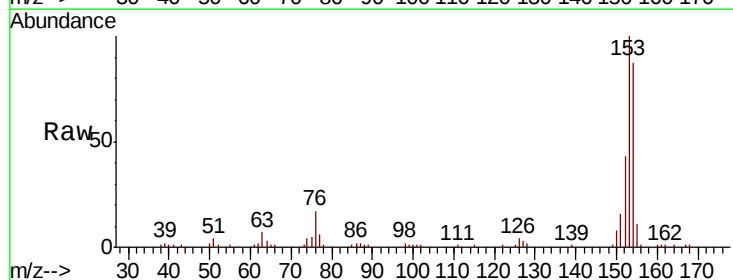
Instrument :
BNA_F
ClientSampleId :
TP-6S

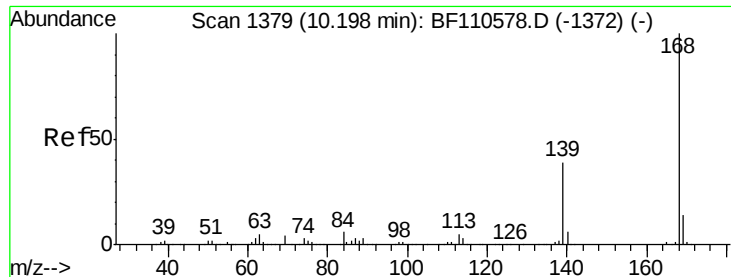
Tgt Ion:163 Resp: 129939
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.1 8.1 12.1



#52
Acenaphthene
Concen: 5.113 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Tgt Ion:154 Resp: 49165
Ion Ratio Lower Upper
154 100
153 114.8 90.1 135.1
152 49.6 43.4 65.2

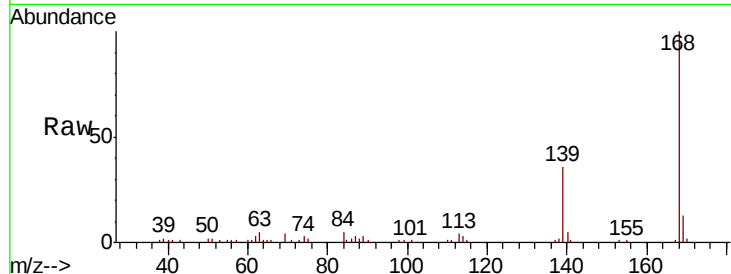




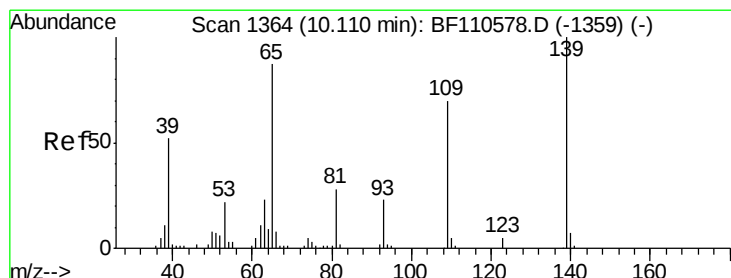
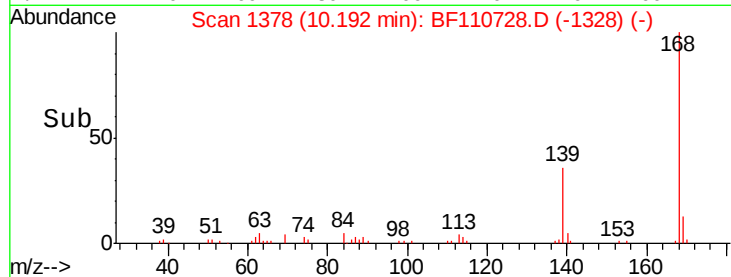
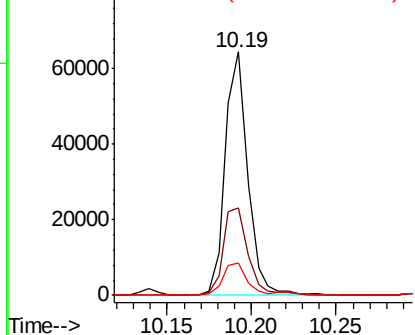
#55
Dibenzenofuran
Concen: 4.277 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Instrument :
BNA_F
ClientSampleId :
TP-6S

Tgt Ion:168 Resp: 60179
Ion Ratio Lower Upper
168 100
139 35.9 33.0 49.6
169 13.3 11.3 16.9

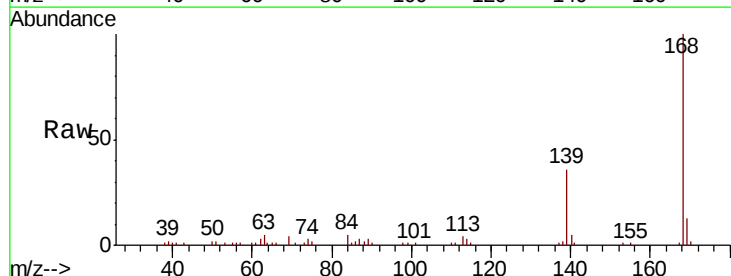


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

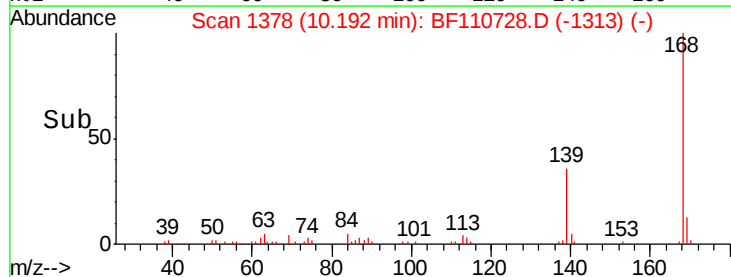
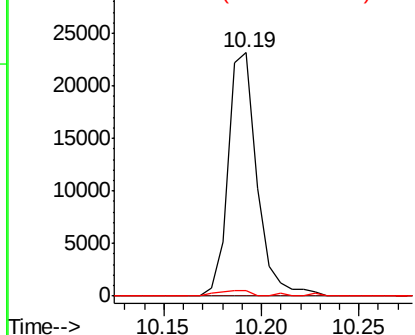


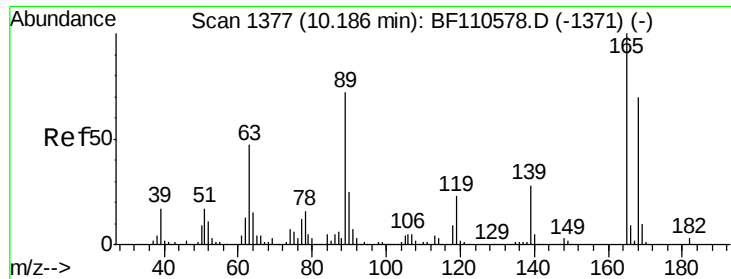
#56
4-Nitrophenol
Concen: 11.998 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Tgt Ion:139 Resp: 23797
Ion Ratio Lower Upper
139 100
109 0.0 55.8 95.8#
65 2.3 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

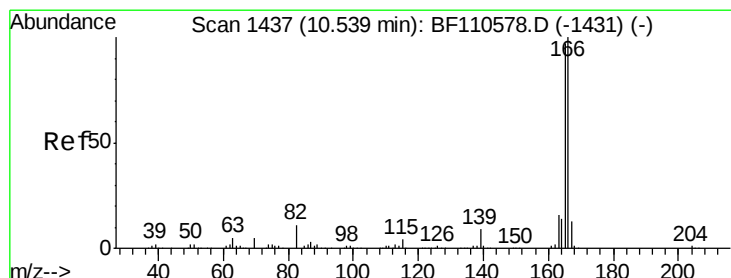
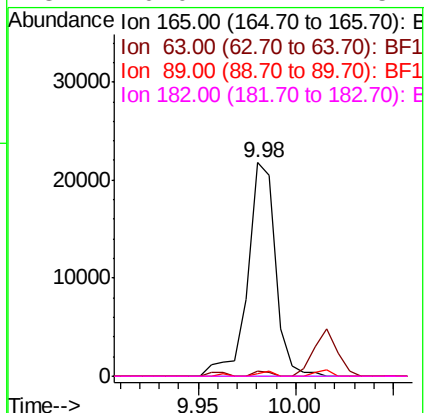
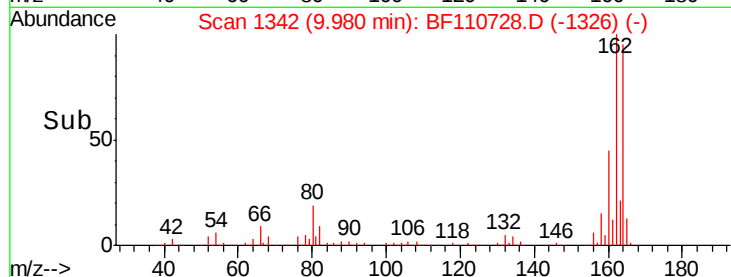
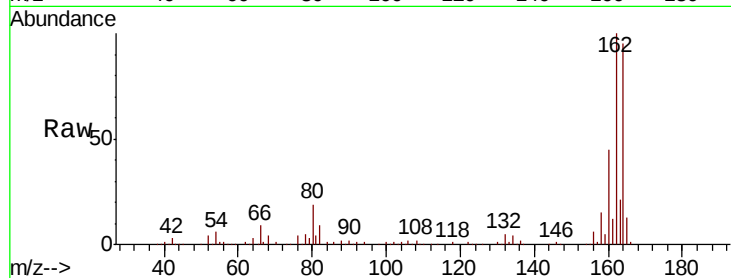




#57
2,4-Dinitrotoluene
Concen: 6.401 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

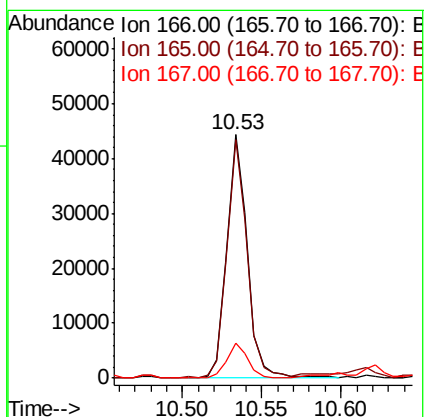
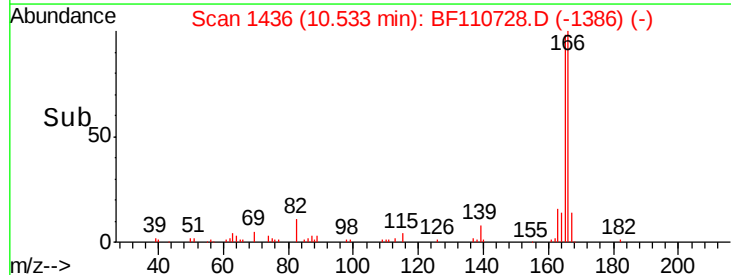
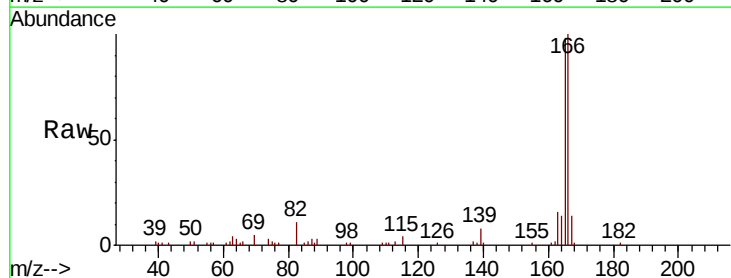
Instrument :
BNA_F
ClientSampleId :
TP-6S

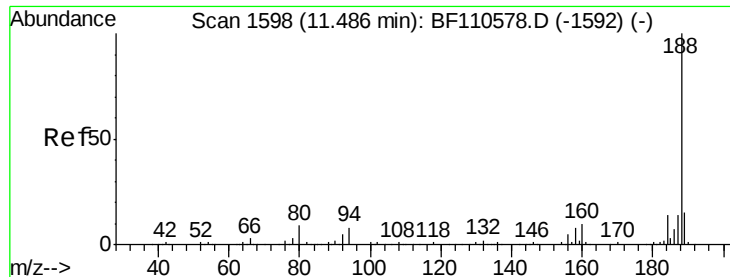
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: 3.688 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110728.D
Acq: 13 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.6	117.8
167	14.2	10.8	16.2

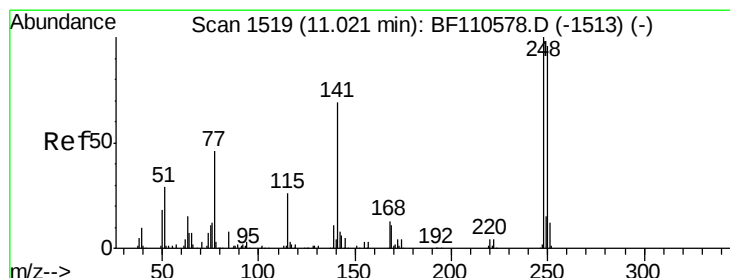
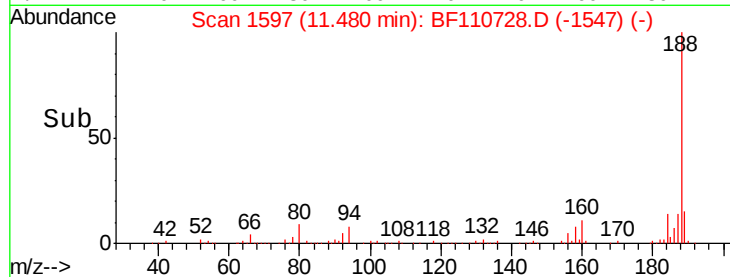
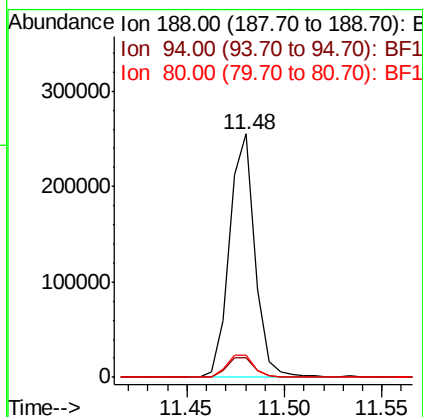
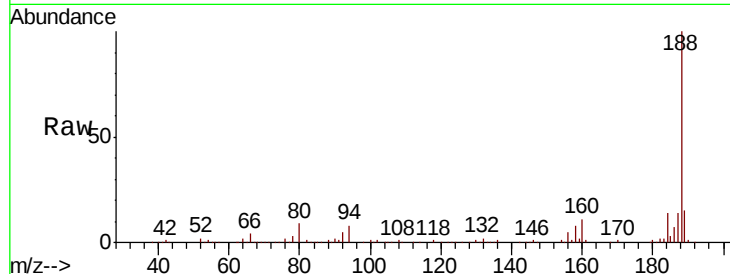




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

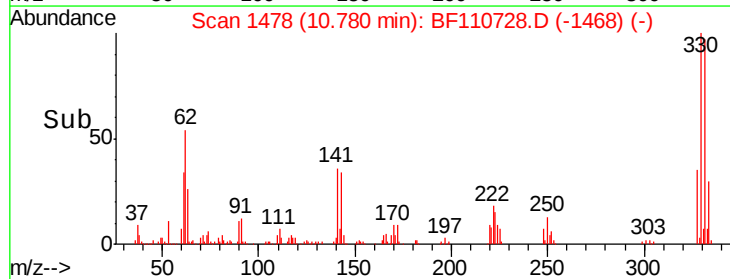
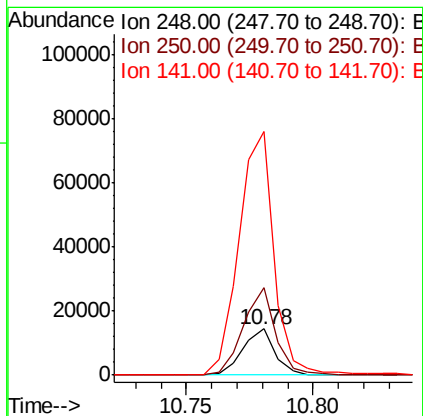
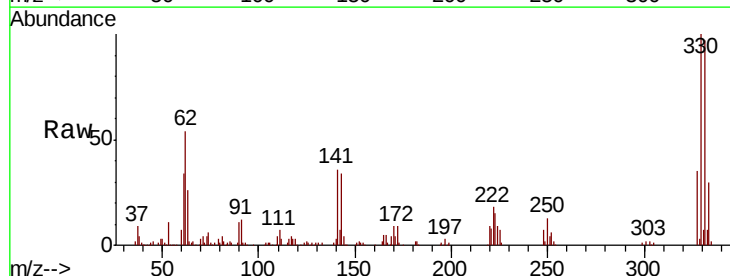
Instrument :
 BNA_F
 ClientSampleId :
 TP-6S

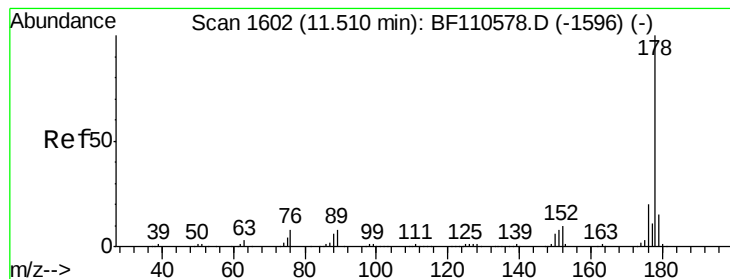
Tgt Ion:	188	Resp:	231184
Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.2	10.8
80	8.9	7.9	11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.948 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Tgt Ion:	248	Resp:	12643
Ion	Ratio	Lower	Upper
248	100		
250	188.3	79.4	119.2#
141	527.8	55.9	83.9#





#71

Phenanthrene

Concen: 3.442 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110728.D

Acq: 13 Nov 2018 19:26

Instrument :

BNA_F

ClientSampleId :

TP-6S

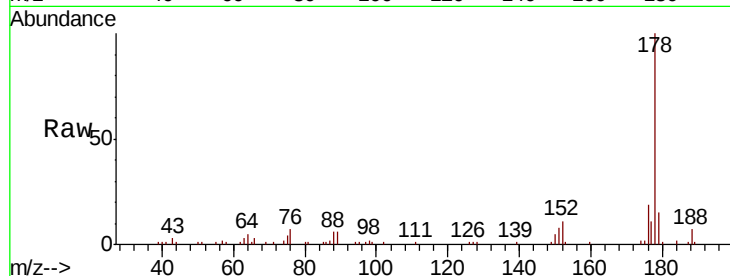
Tgt Ion:178 Resp: 42630

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

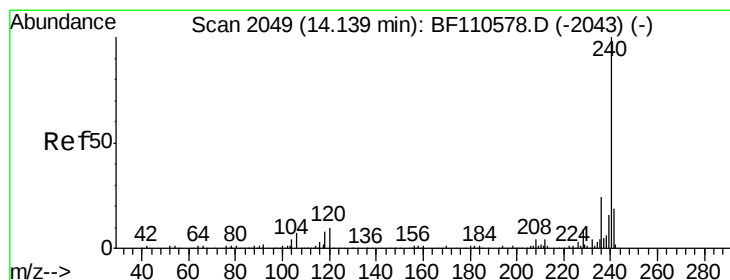
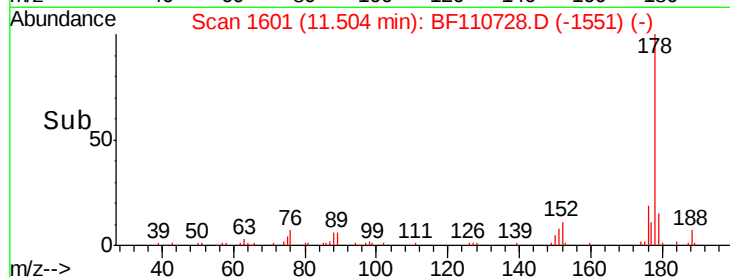
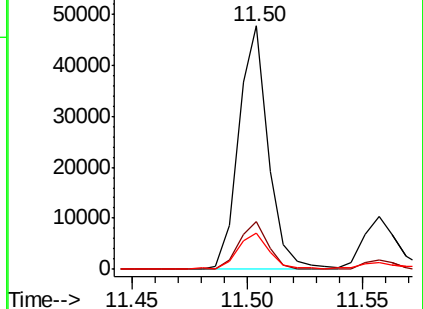
179 15.0 12.5 18.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110728.D

Acq: 13 Nov 2018 19:26

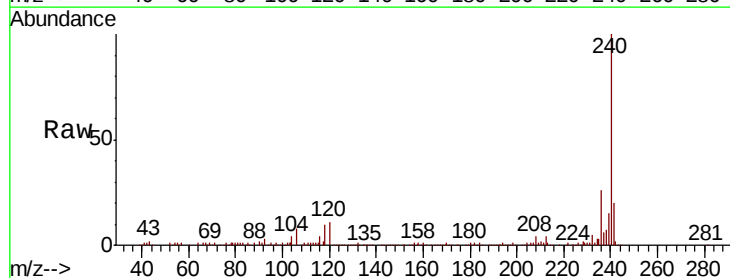
Tgt Ion:240 Resp: 166486

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

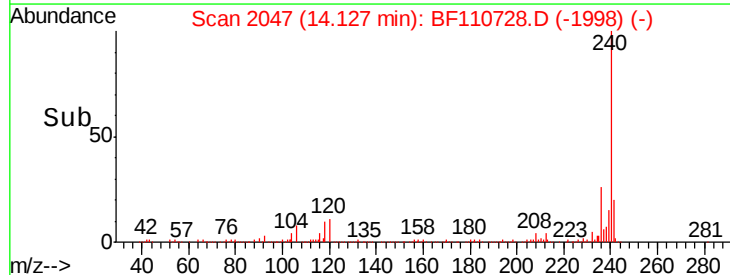
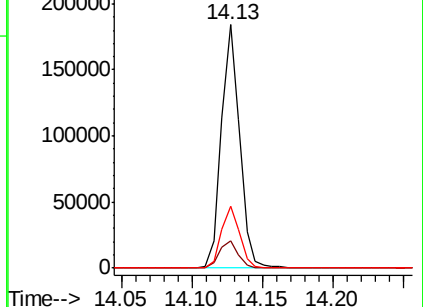
236 25.6 21.2 31.8

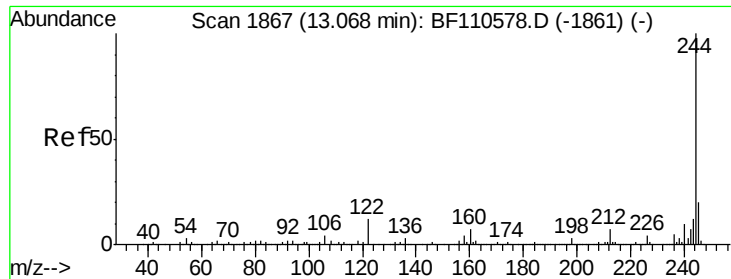


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

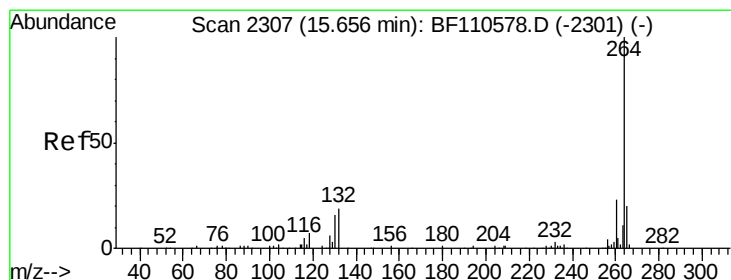
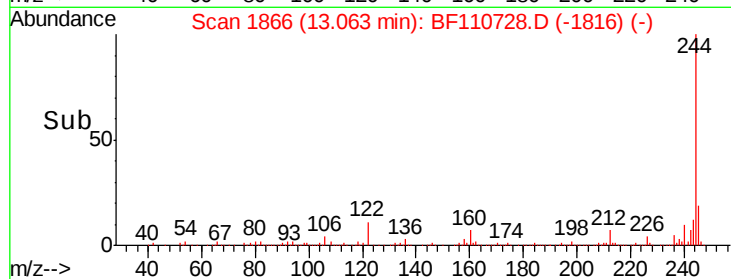
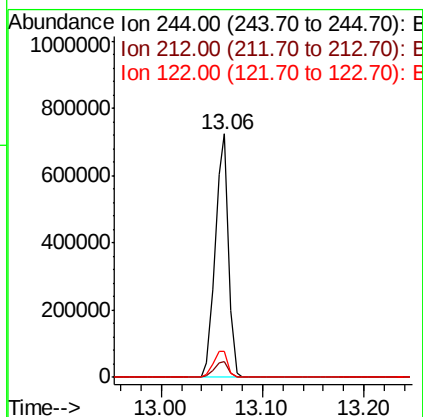
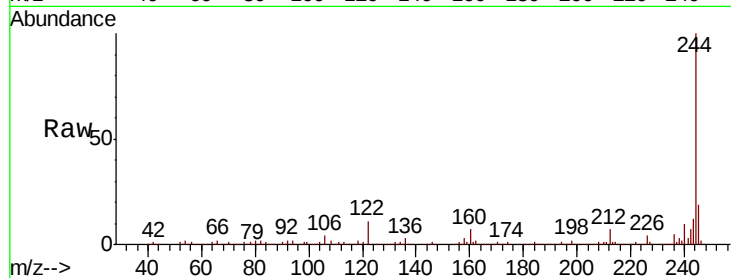




#79
 Terphenyl-d14
 Concen: 73.710 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

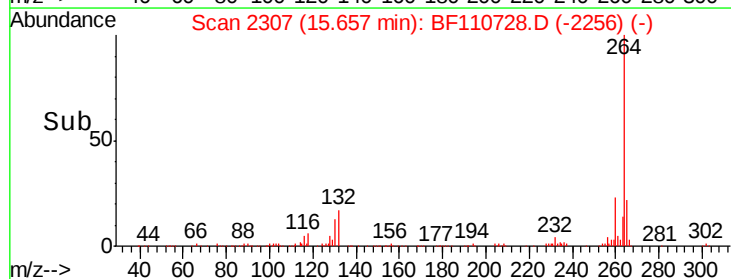
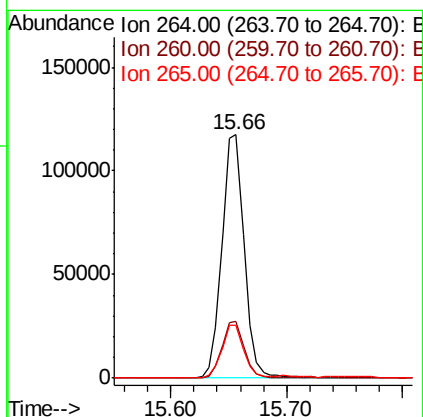
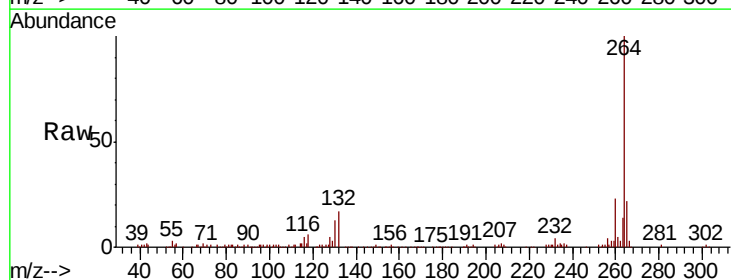
Instrument :
 BNA_F
 ClientSampleId :
 TP-6S

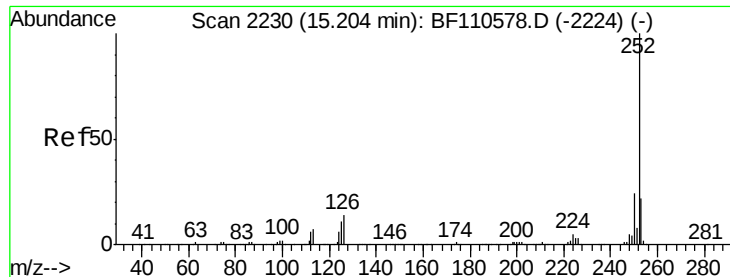
Tgt Ion:244 Resp: 655275
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 10.6 8.7 13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110728.D
 Acq: 13 Nov 2018 19:26

Tgt Ion:264 Resp: 157383
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.7 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 3.741 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110728.D

Acq: 13 Nov 2018 19:26

Instrument :

BNA_F

ClientSampleId :

TP-6S

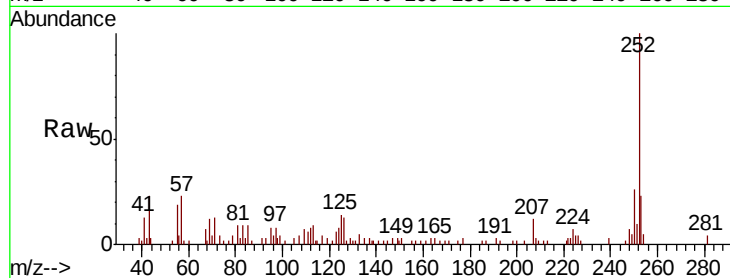
Tgt Ion:252 Resp: 35219

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 13.7 8.2 12.4#

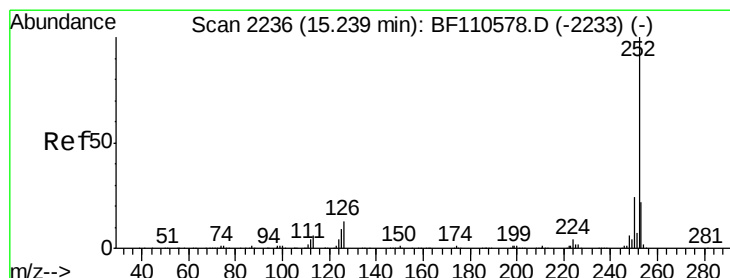
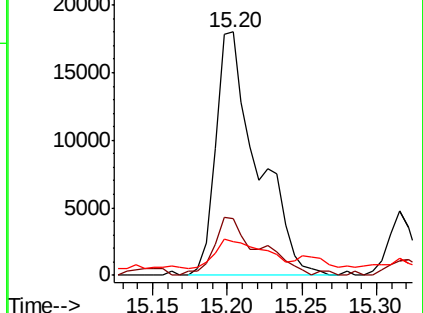
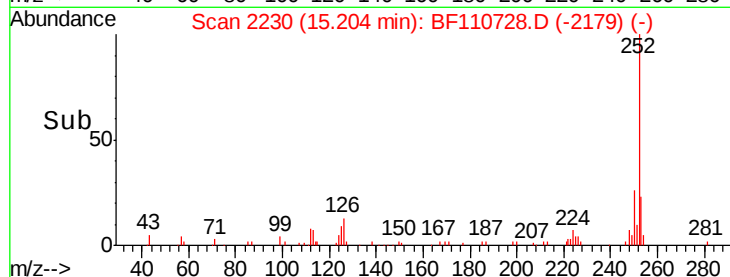


Abundance

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: 3.786 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110728.D

Acq: 13 Nov 2018 19:26

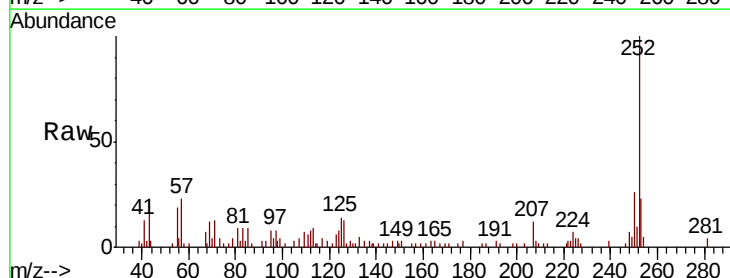
Tgt Ion:252 Resp: 35219

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 13.7 7.4 11.0#

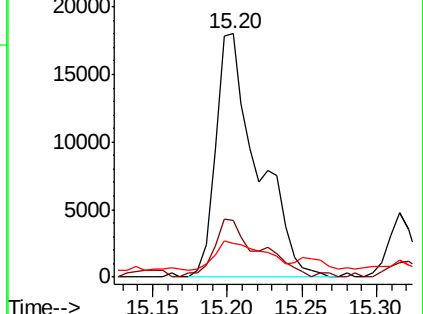
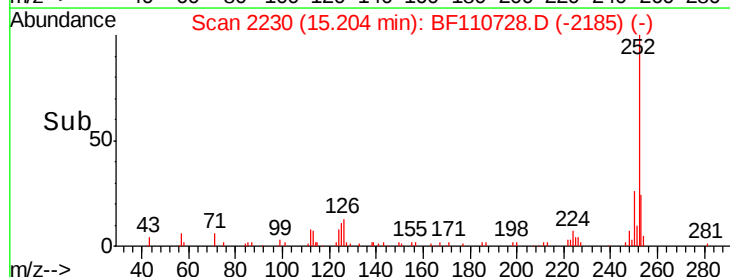


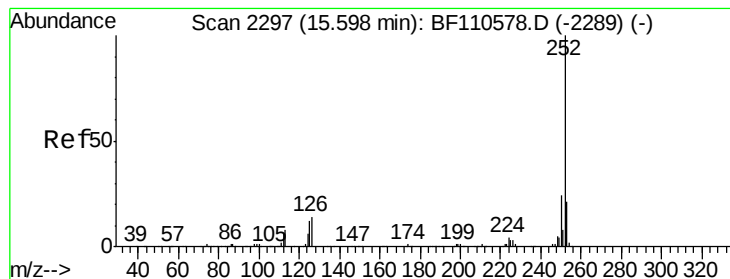
Abundance

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





#90

Benzo(a)pyrene

Concen: 2.205 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110728.D

Acq: 13 Nov 2018 19:26

Instrument :

BNA_F

ClientSampleId :

TP-6S

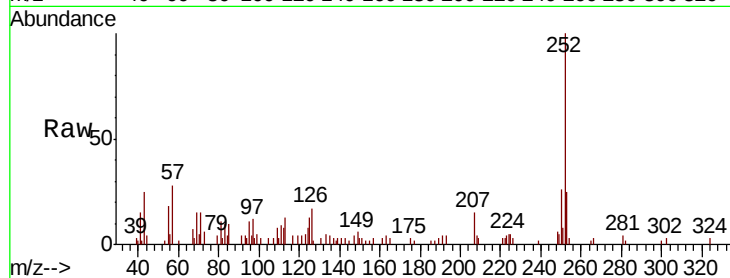
Tgt Ion:252 Resp: 18863

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.4

125 13.4 9.0 13.6



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

