

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110729.D
 Acq On : 13 Nov 2018 19:54
 Operator : JU/SJ
 Sample : J5925-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1S

Quant Time: Nov 14 04:30:01 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	85015	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	338552	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	145642	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	220980	20.00	ng	0.00
76) Chrysene-d12	14.13	240	158192	20.00	ng	-0.01
87) Perylene-d12	15.66	264	147350	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	590857	112.89	ng	0.00
7) Phenol-d6	6.57	99	747211	111.64	ng	0.00
23) Nitrobenzene-d5	7.51	82	469742	79.91	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	144731	98.62	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	763105	74.83	ng	0.00
79) Terphenyl-d14	13.06	244	491259	58.16	ng	-0.01

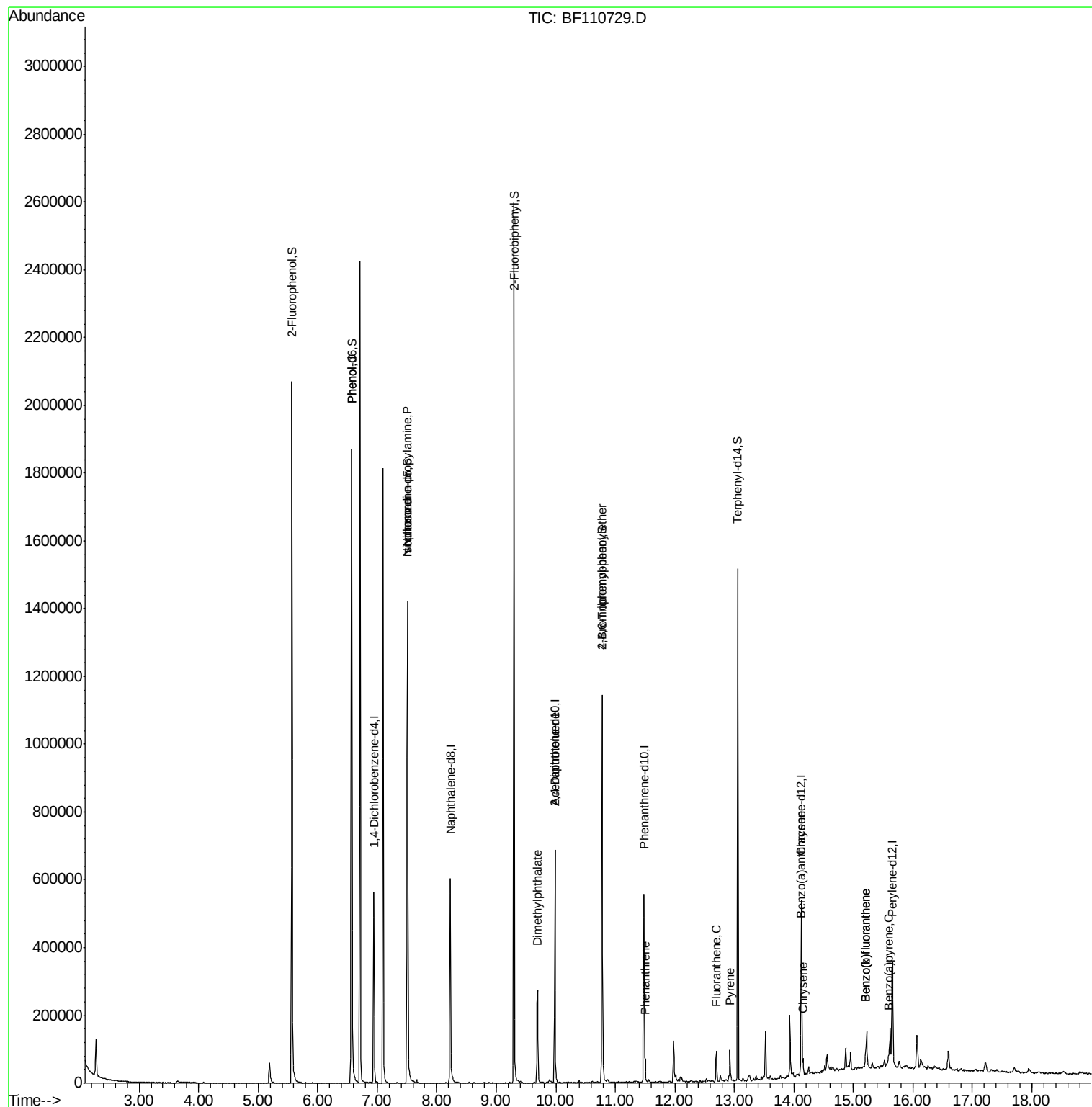
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	1346	Below Cal		# 1
10) Phenol	6.58	94	32814	4.228	ng	# 74
19) n-Nitroso-di-n-propylamine	7.51	70	61953	14.501	ng	# 81
25) Isophorone	7.51	82	469739	48.752	ng	# 67
50) Dimethylphthalate	9.69	163	128589	11.833	ng	99
57) 2,4-Dinitrotoluene	9.99	165	18293	5.885	ng	# 19
67) 4-Bromophenyl-phenylether	10.78	248	9568	3.918	ng	# 1
71) Phenanthrene	11.50	178	24914	2.104	ng	99
75) Fluoranthene	12.70	202	36414	3.068	ng	99
78) Pyrene	12.93	202	38681	3.176	ng	99
81) Benzo(a)anthracene	14.12	228	21688	2.294	ng	95
83) Chrysene	14.16	228	20561	2.283	ng	96
88) Benzo(b)fluoranthene	15.20	252	28100	3.188	ng	# 88
89) Benzo(k)fluoranthene	15.20	252	28100	3.226	ng	# 87
90) Benzo(a)pyrene	15.59	252	16471	2.057	ng	# 94

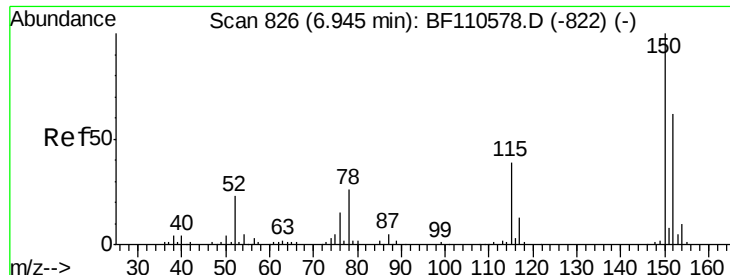
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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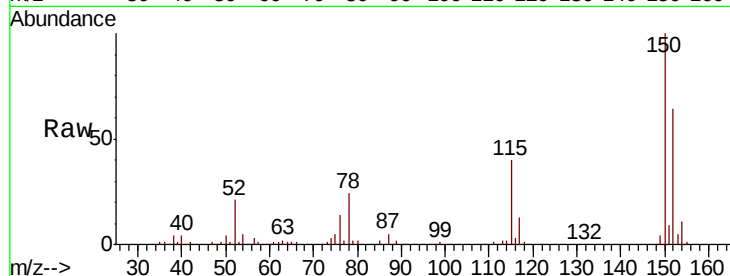


#1

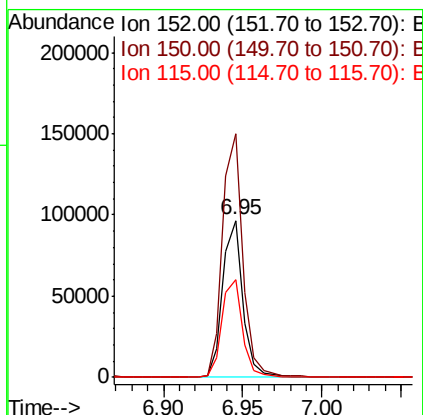
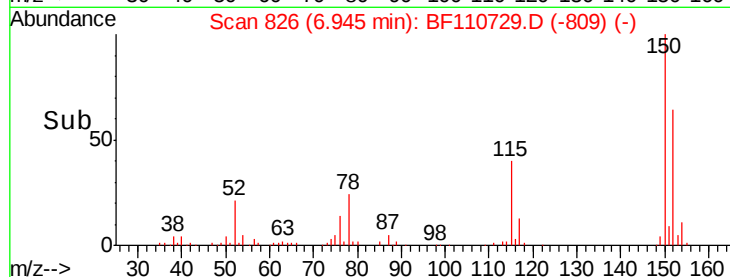
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-1S

Tgt Ion:152 Resp: 85015
 Ion Ratio Lower Upper
 152 100
 150 155.2 122.7 184.1
 115 62.2 49.1 73.7



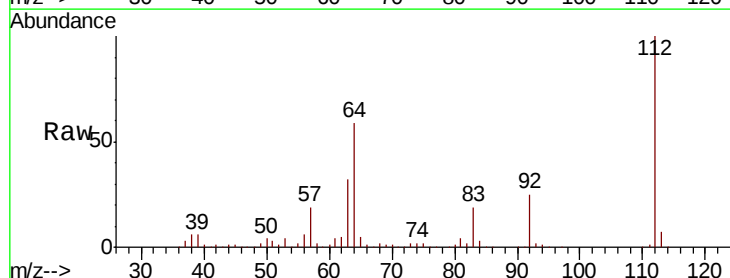
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



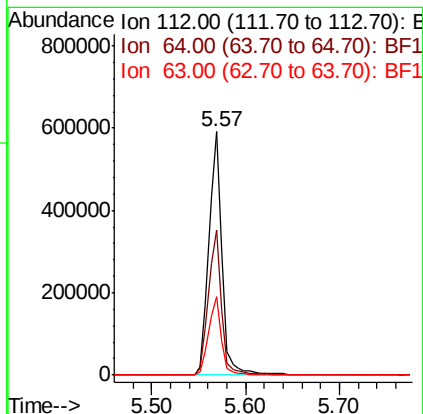
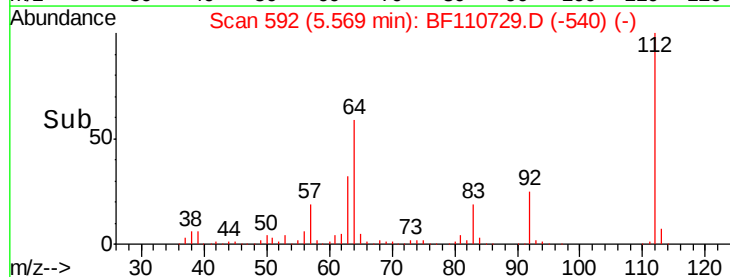
#5

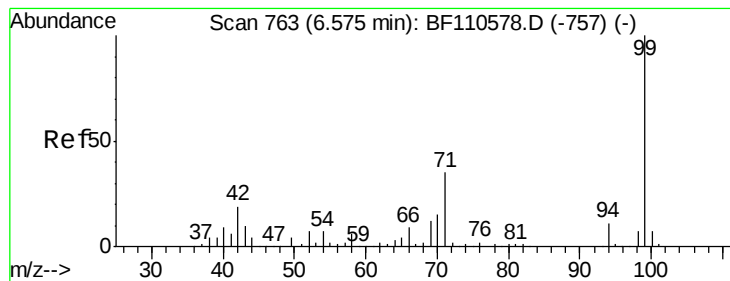
2-Fluorophenol
 Concen: 112.890 ng
 RT: 5.57 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Tgt Ion:112 Resp: 590857
 Ion Ratio Lower Upper
 112 100
 64 59.4 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: 111.642 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110729.D

Acq: 13 Nov 2018 19:54

Instrument :

BNA_F

ClientSampleId :

TP-1S

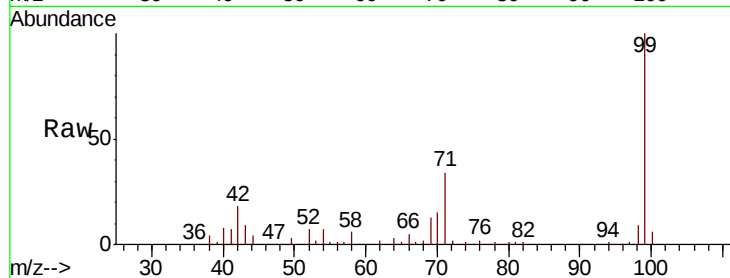
Tgt Ion: 99 Resp: 747211

Ion Ratio Lower Upper

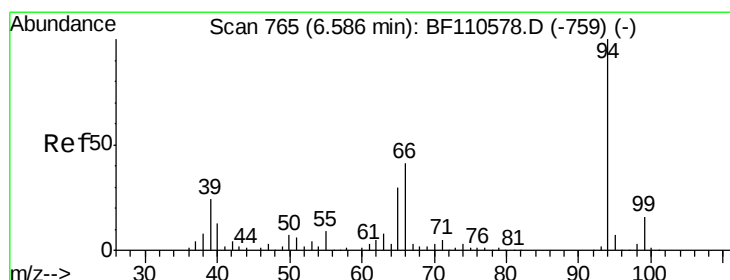
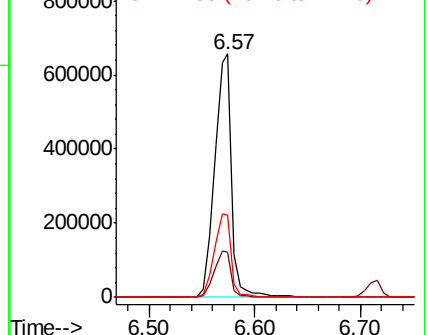
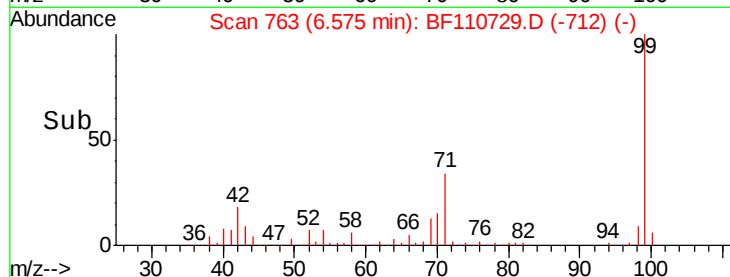
99 100

42 18.3 15.8 23.6

71 33.7 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: 4.228 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110729.D

Acq: 13 Nov 2018 19:54

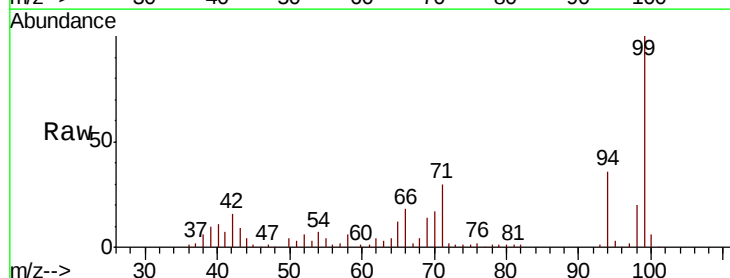
Tgt Ion: 94 Resp: 32814

Ion Ratio Lower Upper

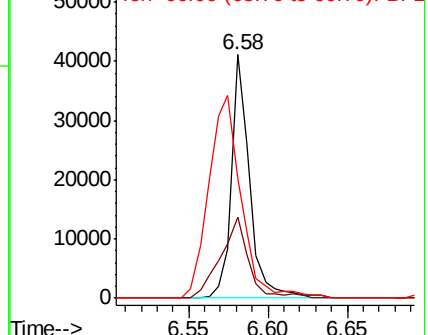
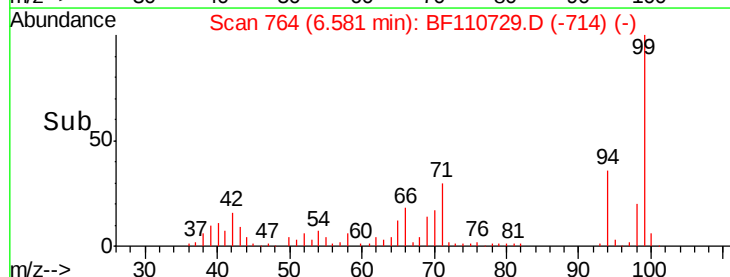
94 100

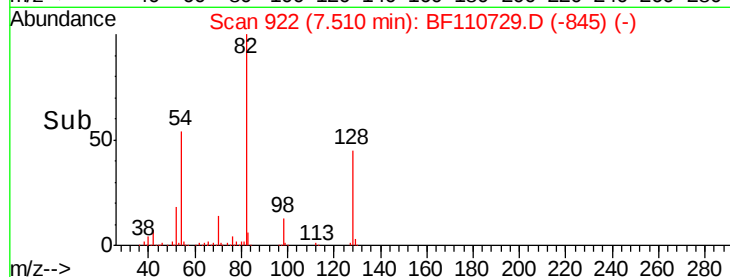
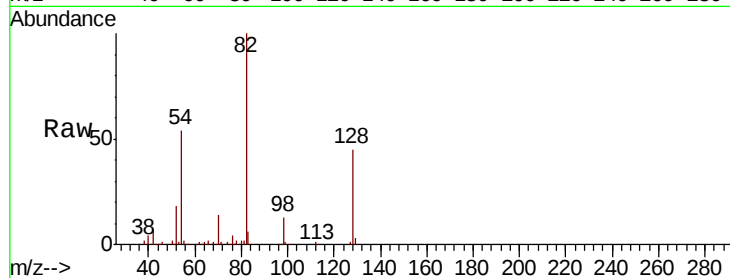
65 33.1 25.3 65.3

66 49.2 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

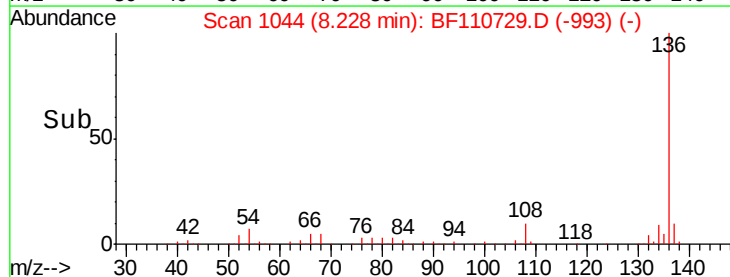
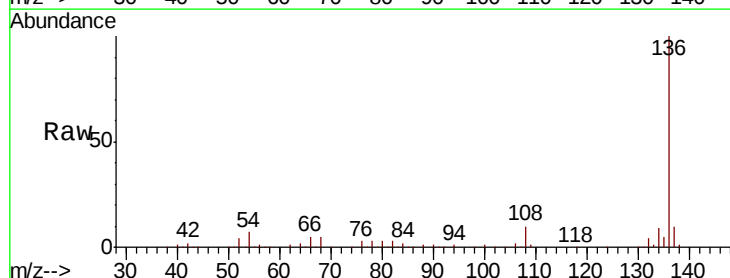
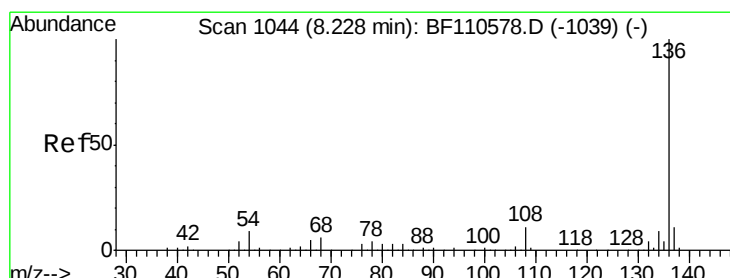
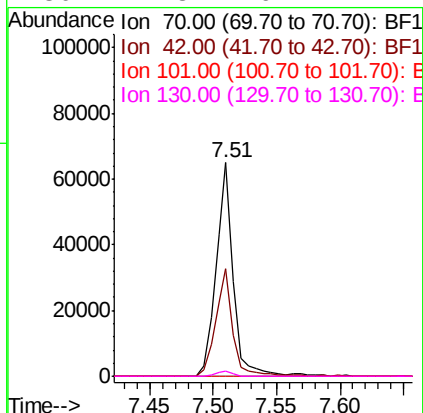




#19
n-Nitroso-di-n-propylamine
Concen: 14.501 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

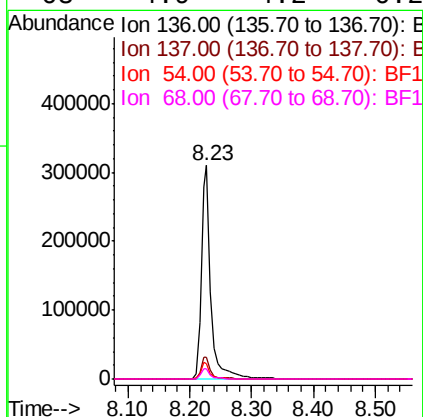
Instrument :
BNA_F
ClientSampled :
TP-1S

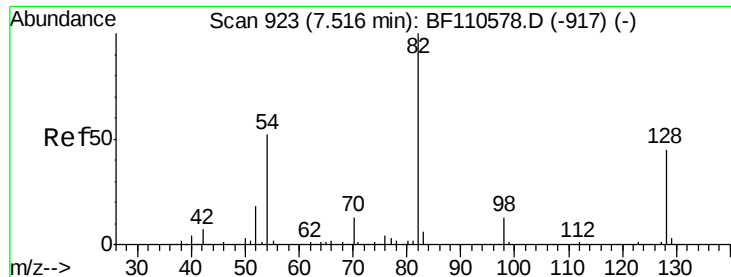
Tgt Ion: 70 Resp: 61953
Ion Ratio Lower Upper
70 100
42 50.3 47.4 71.2
101 0.0 7.3 10.9#
130 2.3 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

Tgt Ion: 136 Resp: 338552
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 7.3 5.4 8.2
68 4.9 4.2 6.2

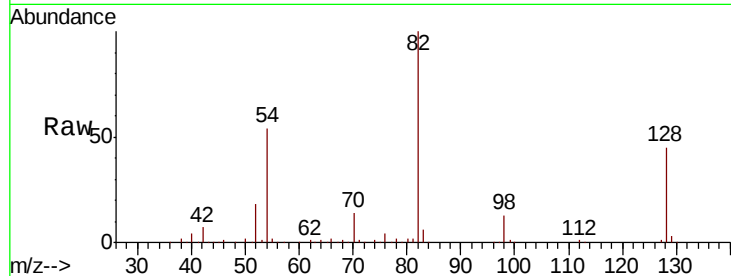




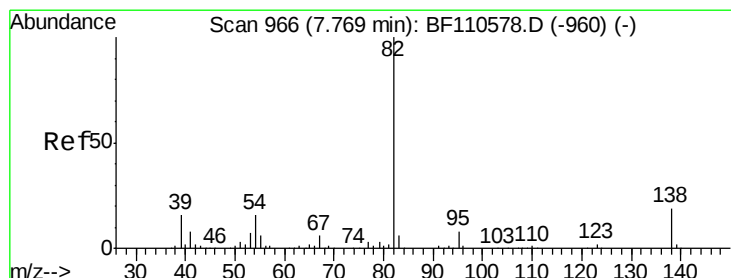
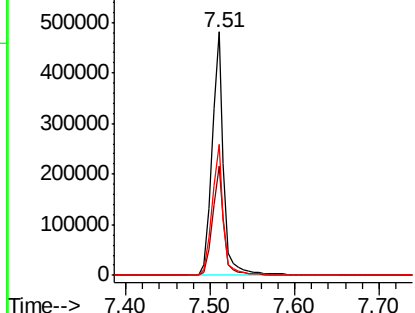
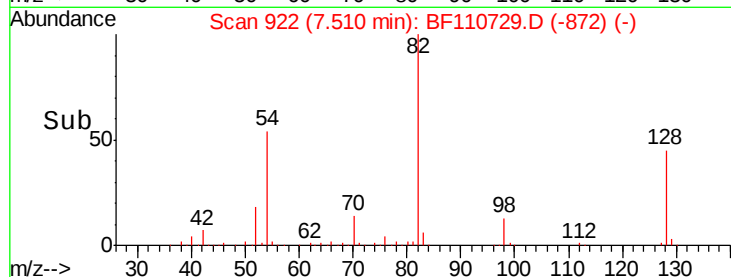
#23
 Nitrobenzene-d5
 Concen: 79.906 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-1S

Tgt Ion: 82 Resp: 469742
 Ion Ratio Lower Upper
 82 100
 128 45.0 34.2 51.2
 54 54.0 38.6 58.0

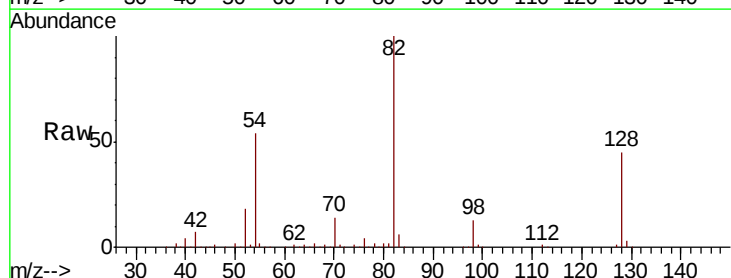


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

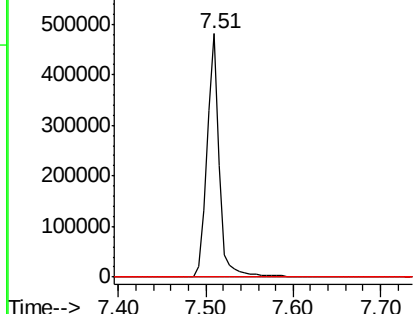
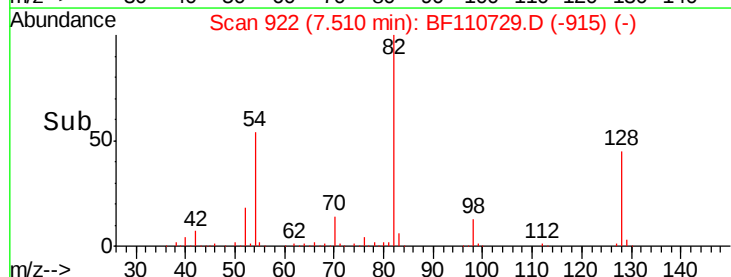


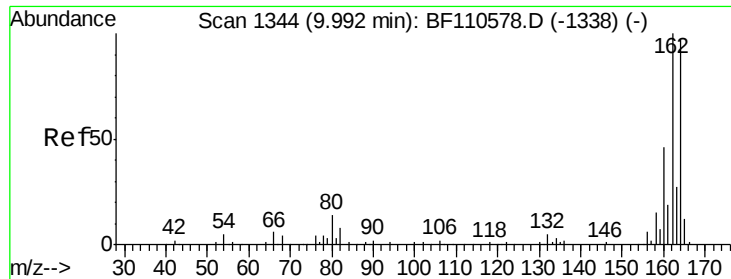
#25
 Isophorone
 Concen: 48.752 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Tgt Ion: 82 Resp: 469739
 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: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110729.D

Acq: 13 Nov 2018 19:54

Instrument :

BNA_F

ClientSampleId :

TP-1S

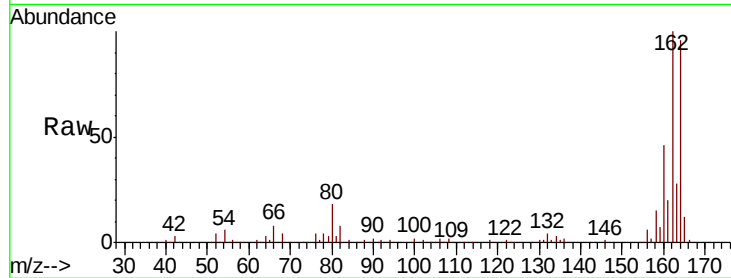
Tgt Ion:164 Resp: 145642

Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.6

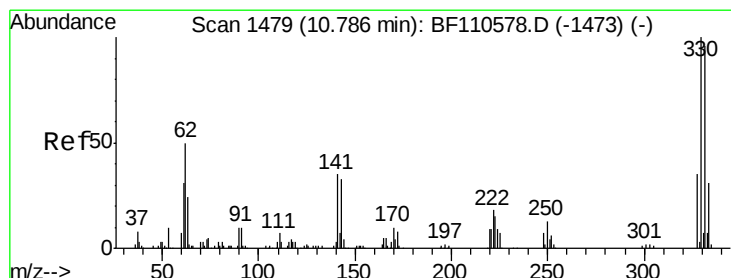
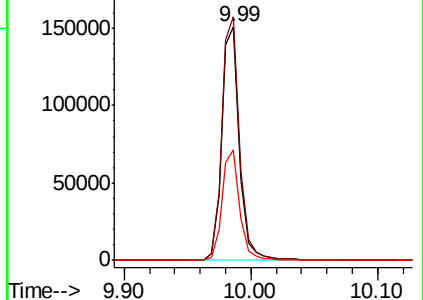
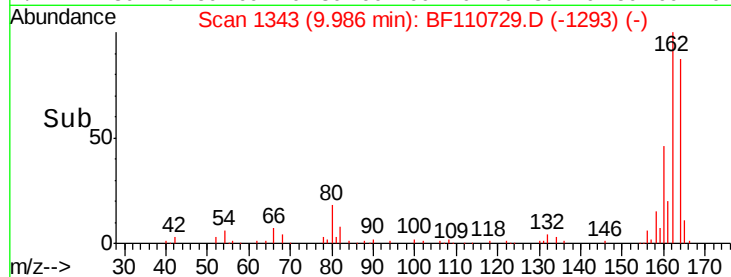
160 47.6 37.0 55.6



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: 98.623 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110729.D

Acq: 13 Nov 2018 19:54

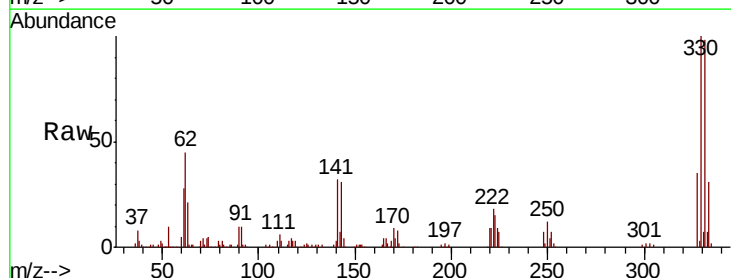
Tgt Ion:330 Resp: 144731

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

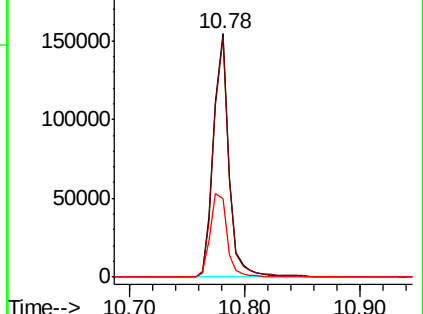
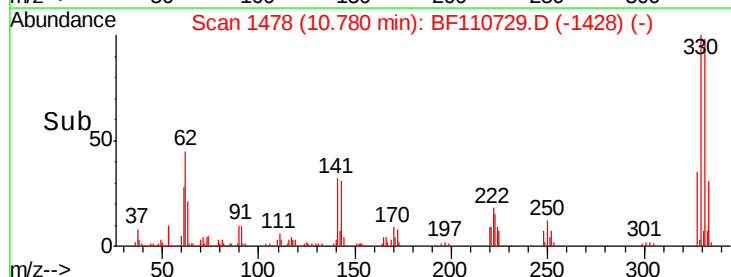
141 37.7 27.0 40.4

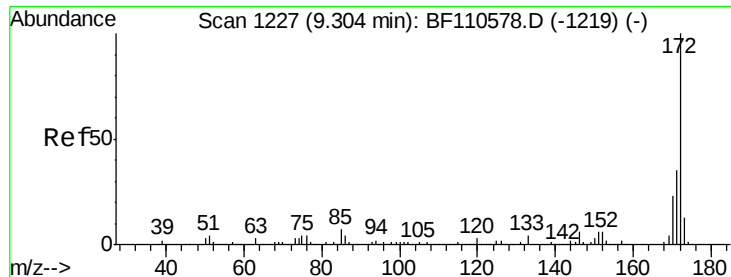


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

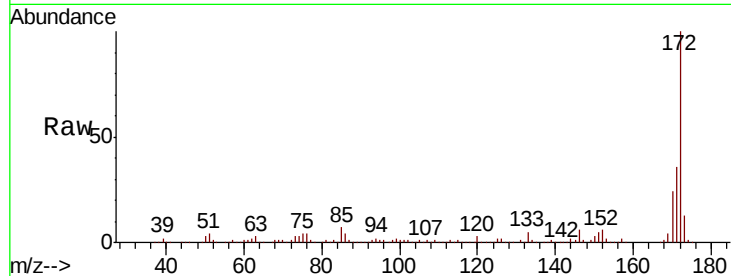




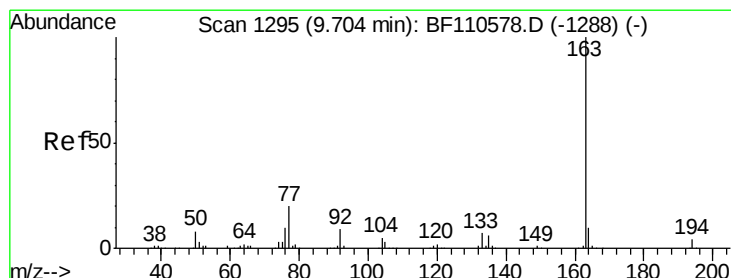
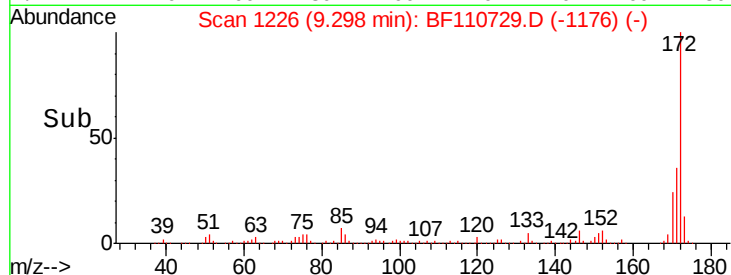
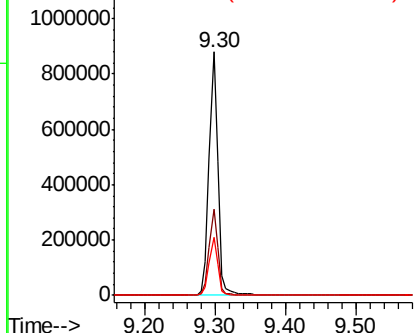
#45
 2-Fluorobiphenyl
 Concen: 74.831 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-1S

Tgt Ion:172 Resp: 763105
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.7 19.7 29.5

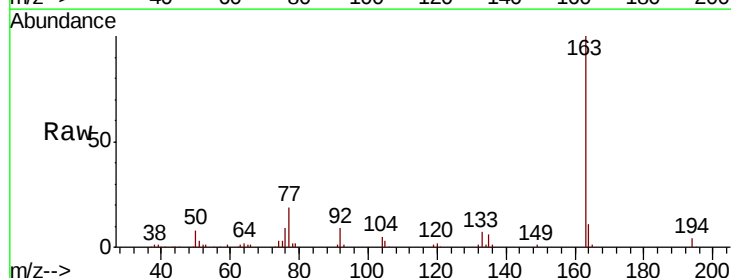


Abundance Ion 172.00 (171.70 to 172.70): E
 1200000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

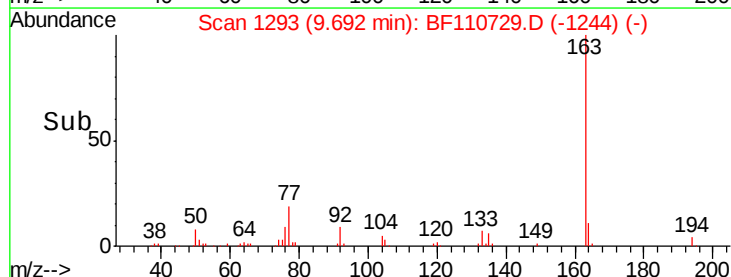
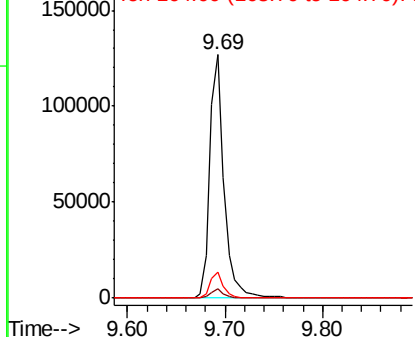


#50
 Dimethylphthalate
 Concen: 11.833 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Tgt Ion:163 Resp: 128589
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.2 4.8
 164 10.6 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
 150000
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

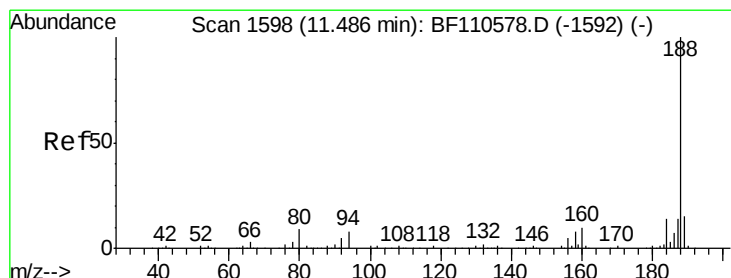
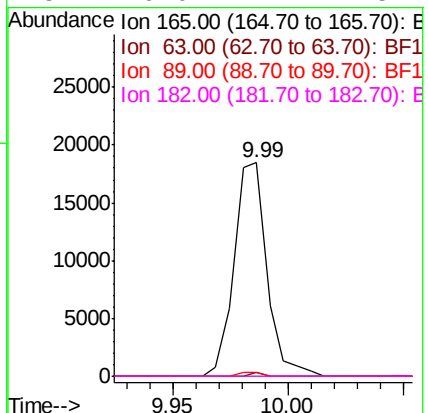
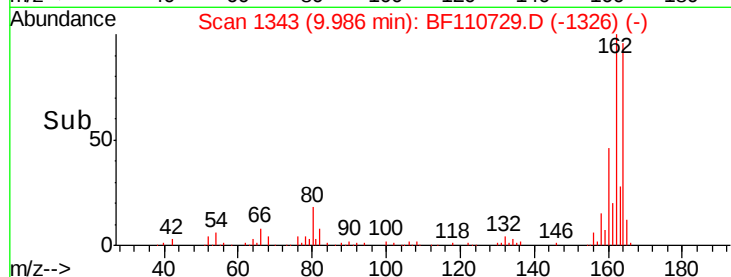
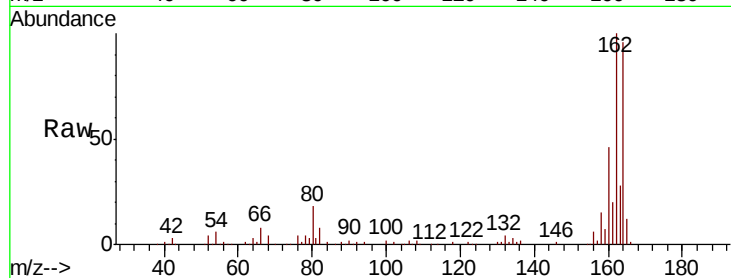




#57
 2,4-Dinitrotoluene
 Concen: 5.885 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

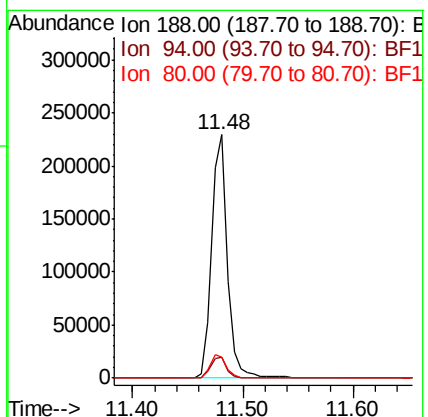
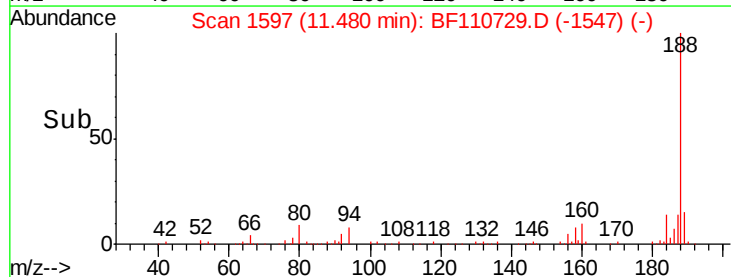
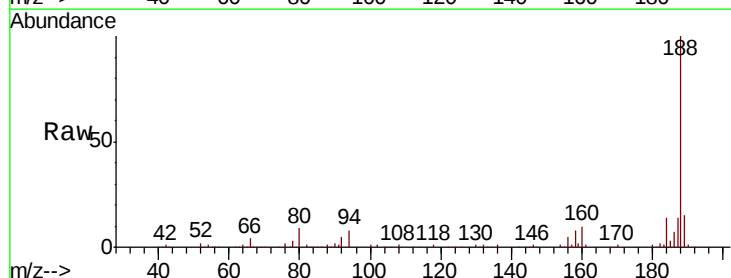
Instrument :
 BNA_F
 ClientSampled :
 TP-1S

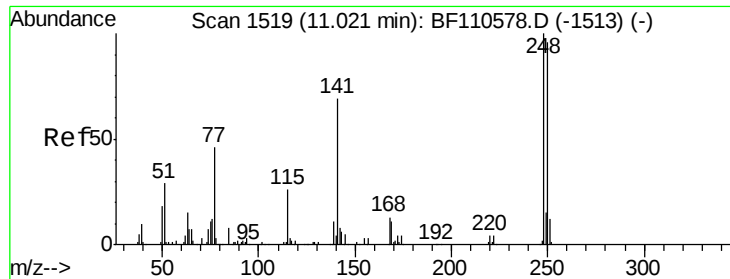
Tgt Ion:165 Resp: 18293
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.8 67.2#
 89 1.9 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Tgt Ion:188 Resp: 220980
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.2 10.8
 80 8.6 7.9 11.9

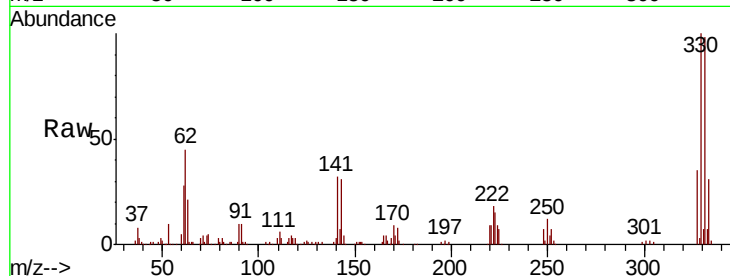




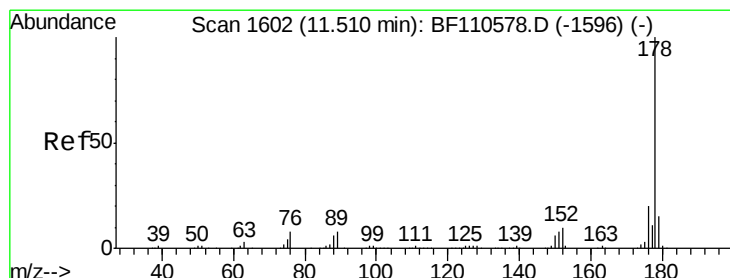
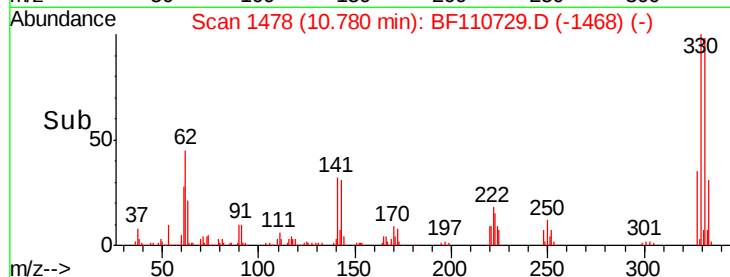
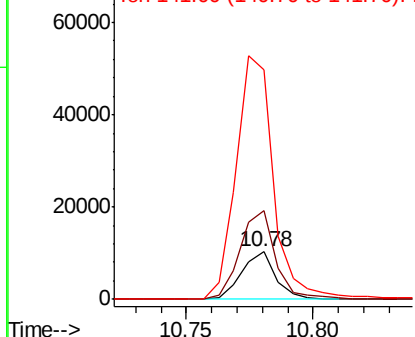
#67
 4-Bromophenyl-phenylether
 Concen: 3.918 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-1S

Tgt Ion:248 Resp: 9568
 Ion Ratio Lower Upper
 248 100
 250 186.3 79.4 119.2#
 141 483.5 55.9 83.9#

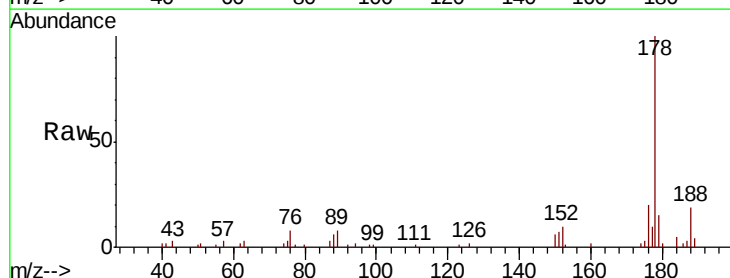


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

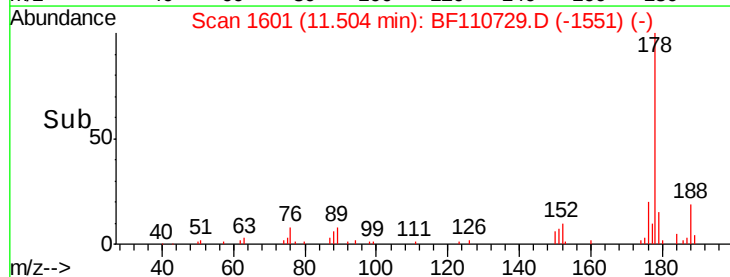
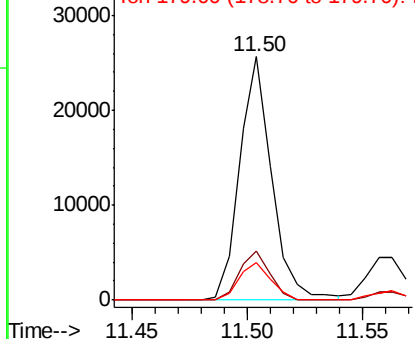


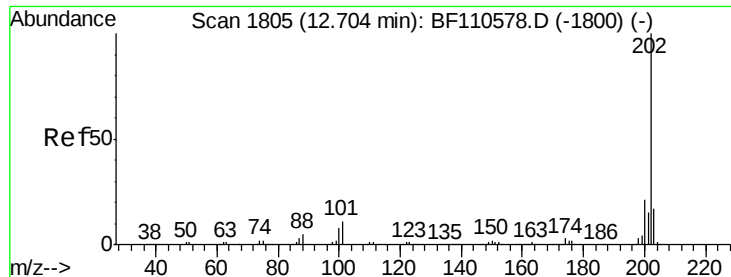
#71
 Phenanthrene
 Concen: 2.104 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110729.D
 Acq: 13 Nov 2018 19:54

Tgt Ion:178 Resp: 24914
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.5 23.3
 179 15.5 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: 3.068 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110729.D

Acq: 13 Nov 2018 19:54

Instrument :

BNA_F

ClientSampled :

TP-1S

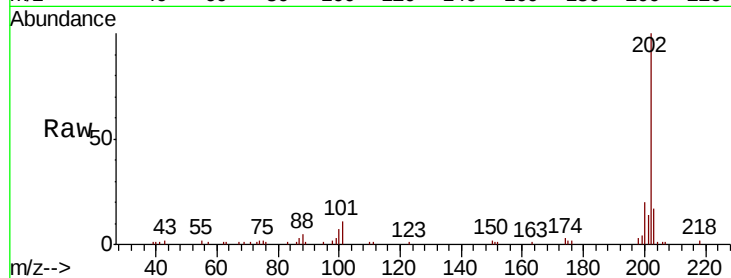
Tgt Ion:202 Resp: 36414

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

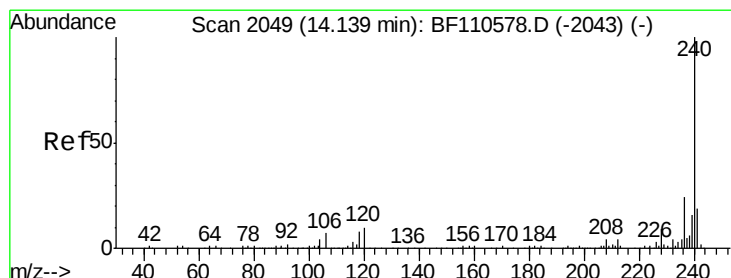
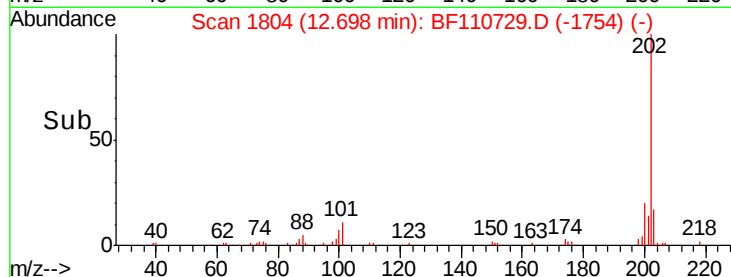
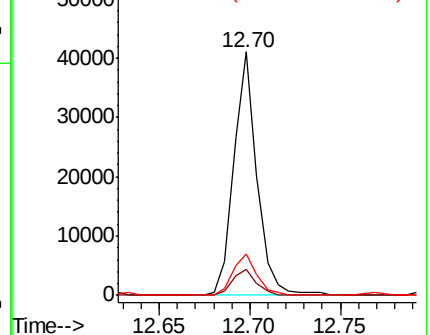
203 17.1 0.0 37.7



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: BF110729.D

Acq: 13 Nov 2018 19:54

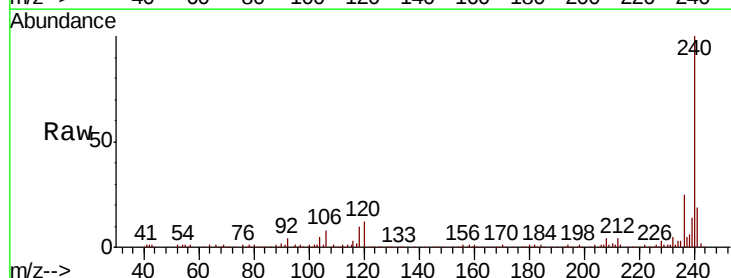
Tgt Ion:240 Resp: 158192

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

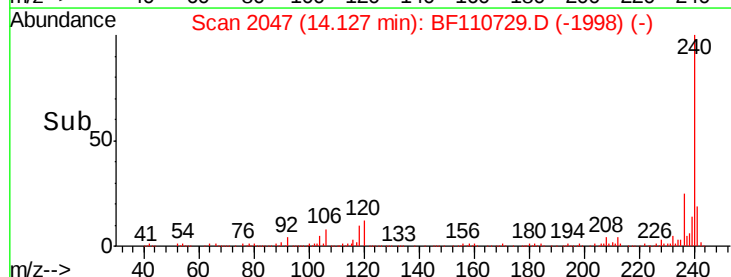
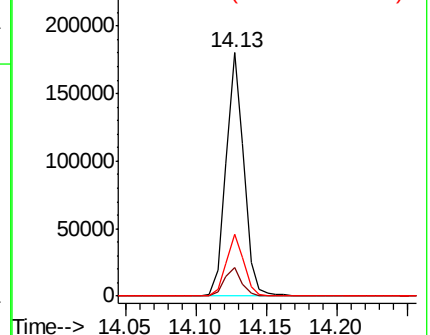
236 25.4 21.2 31.8

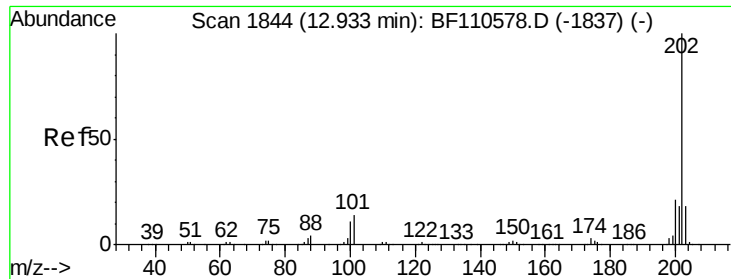


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

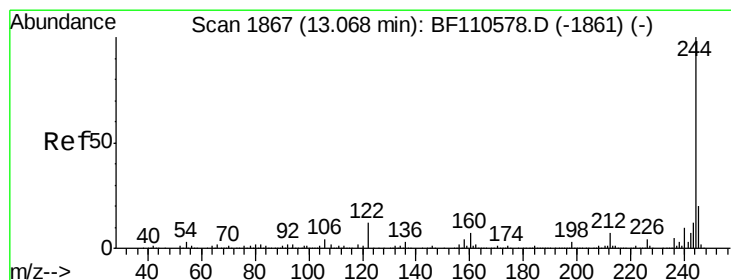
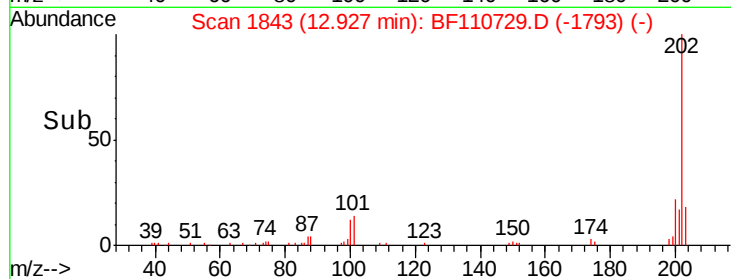
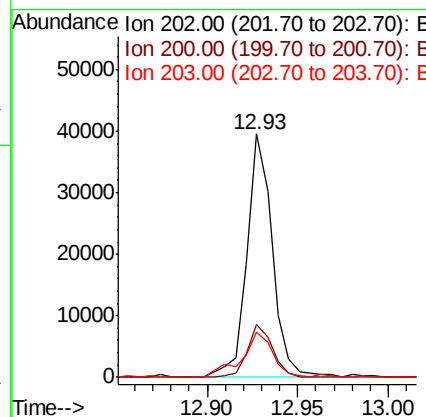
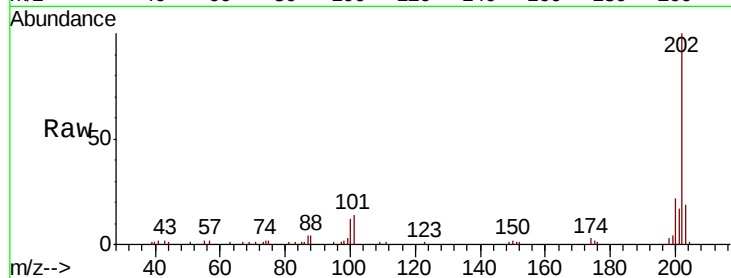




#78
Pyrene
Concen: 3.176 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

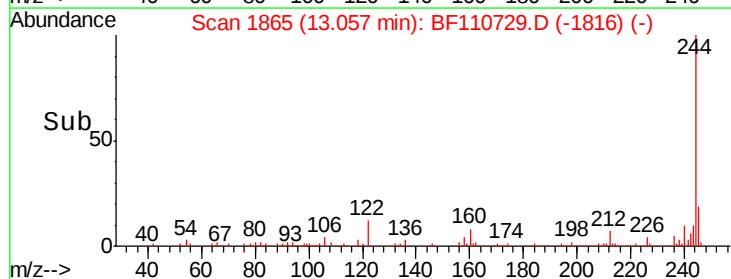
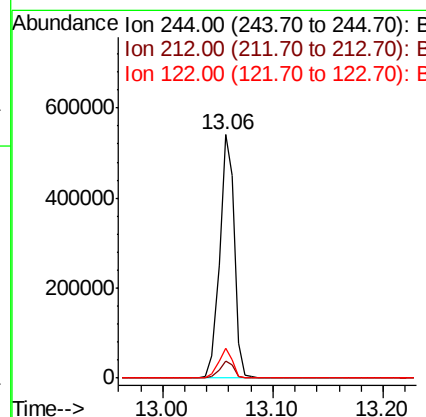
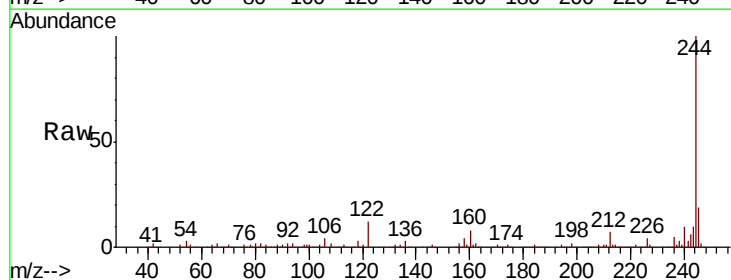
Instrument :
BNA_F
ClientSampled :
TP-1S

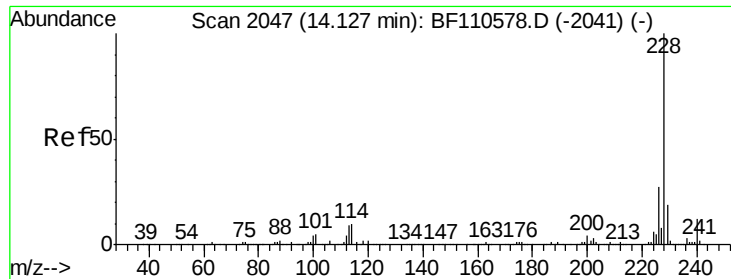
Tgt Ion: 202 Resp: 38681
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.6
203 18.8 14.2 21.4



#79
Terphenyl-d14
Concen: 58.158 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

Tgt Ion: 244 Resp: 491259
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 12.4 8.7 13.1

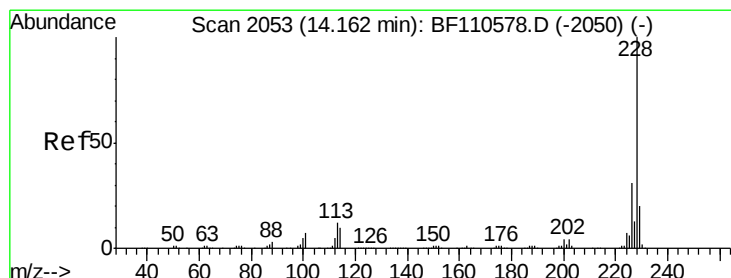
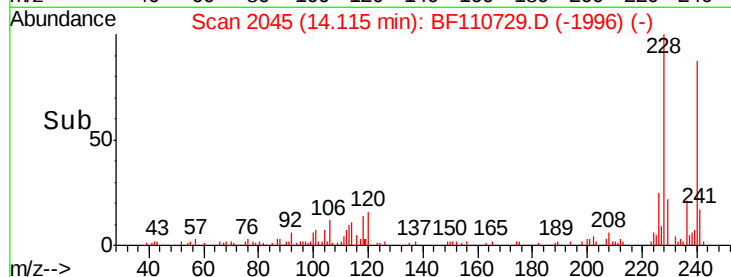
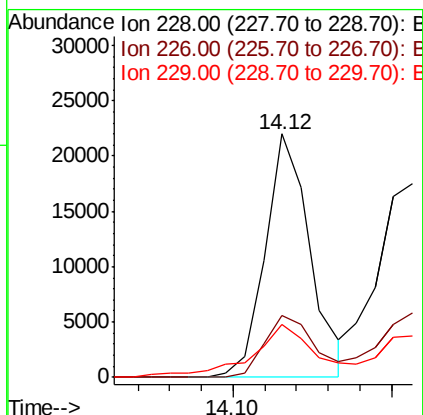
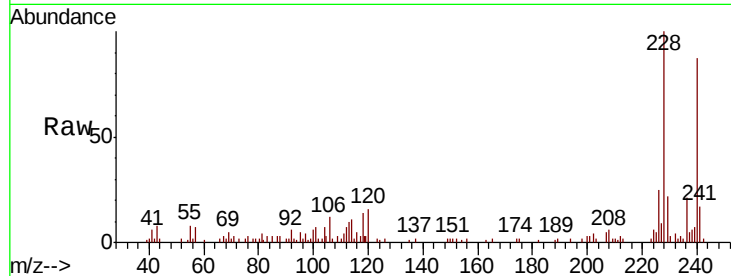




#81
Benzo(a)anthracene
Concen: 2.294 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

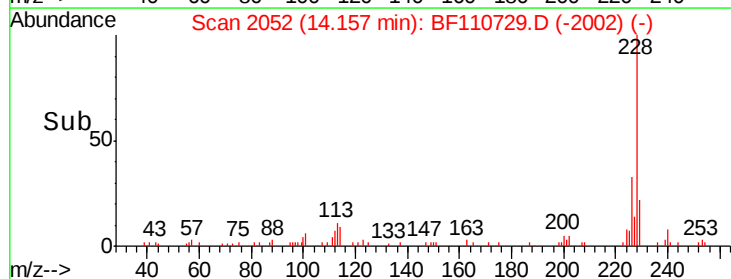
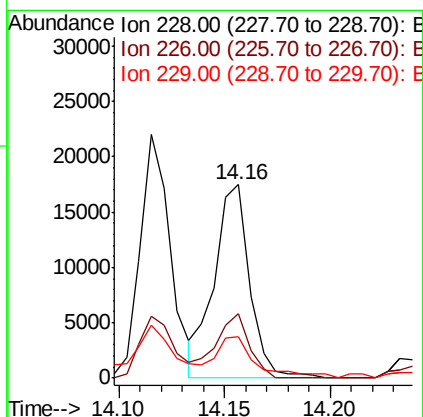
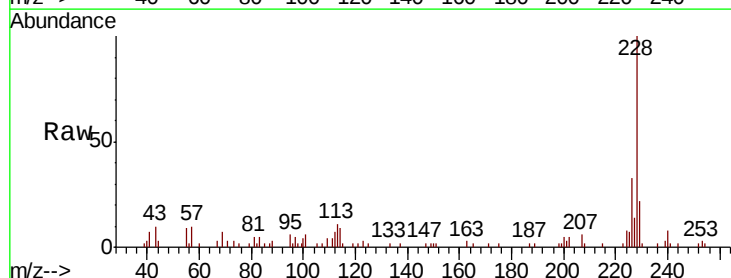
Instrument :
BNA_F
ClientSampleId :
TP-1S

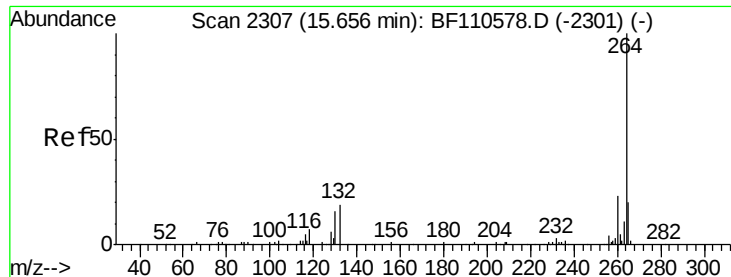
Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.5	22.1	33.1
229	21.9	15.6	23.4



#83
Chrysene
Concen: 2.283 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.7	37.1
229	21.6	15.9	23.9

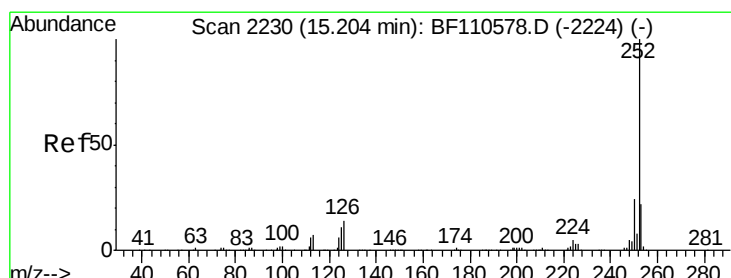
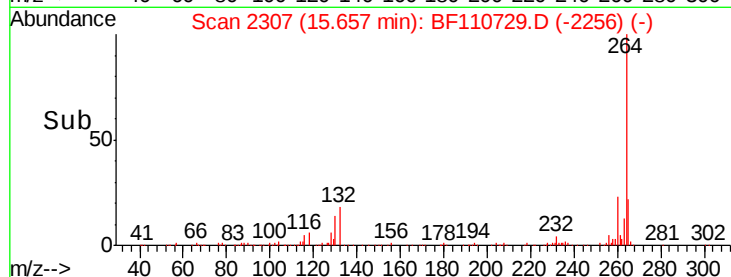
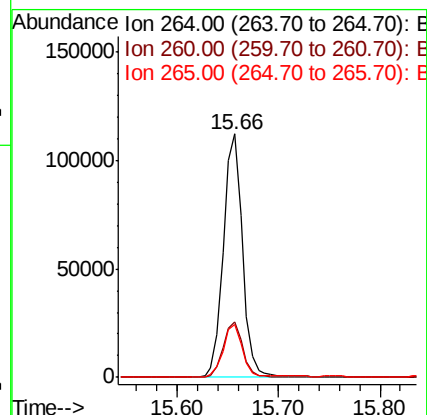
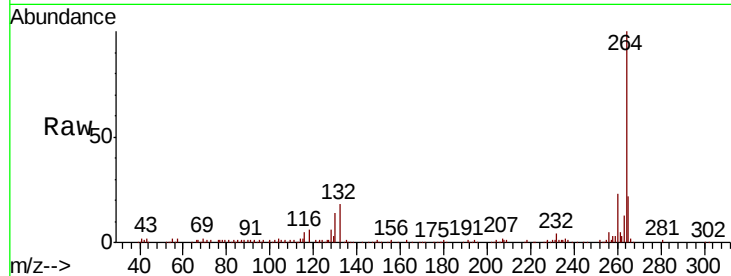




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

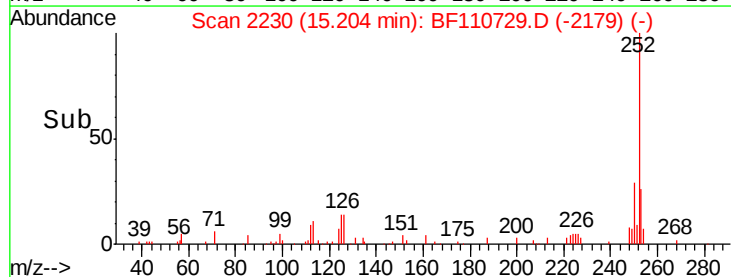
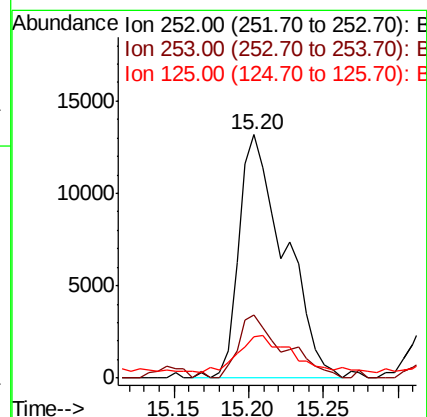
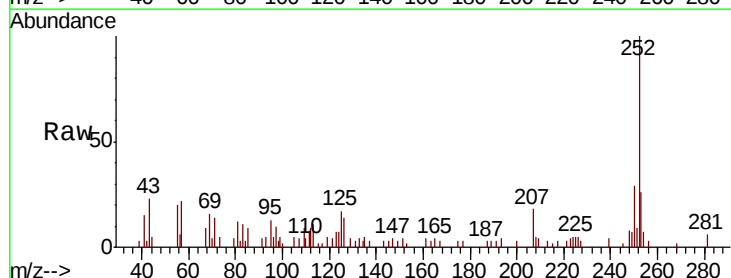
Instrument :
BNA_F
ClientSampled :
TP-1S

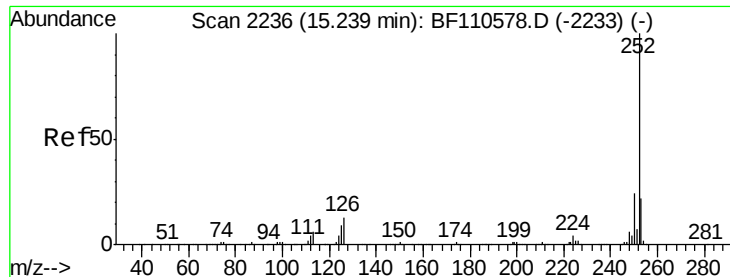
Tgt Ion:264 Resp: 147350
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 21.7 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 3.188 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

Tgt Ion:252 Resp: 28100
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8#
125 17.2 8.2 12.4#

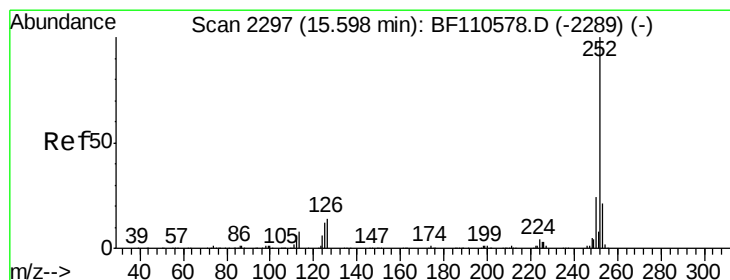
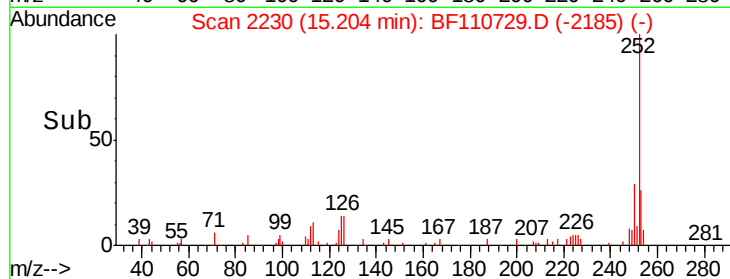
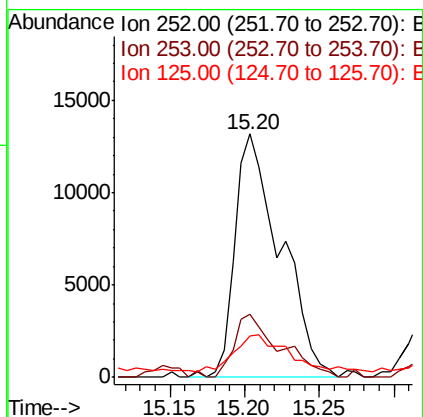
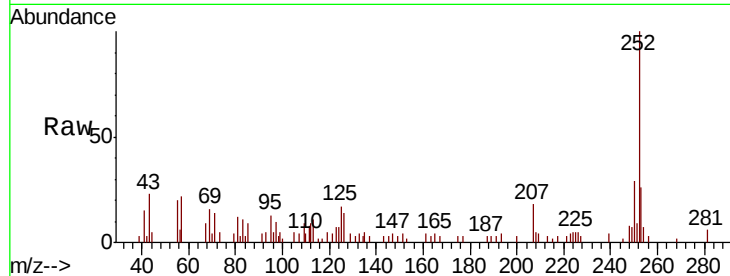




#89
Benzo(k)fluoranthene
Concen: 3.226 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

Instrument :
BNA_F
ClientSampleId :
TP-1S

Tgt Ion:252 Resp: 28100
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8#
125 17.2 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.057 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF110729.D
Acq: 13 Nov 2018 19:54

Tgt Ion:252 Resp: 16471
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.4
125 16.2 9.0 13.6#

