

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
 Data File : BF110471.D
 Acq On : 5 Nov 2018 18:03
 Operator : JU/SJ
 Sample : J5812-25
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-A

Quant Time: Nov 06 00:53:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

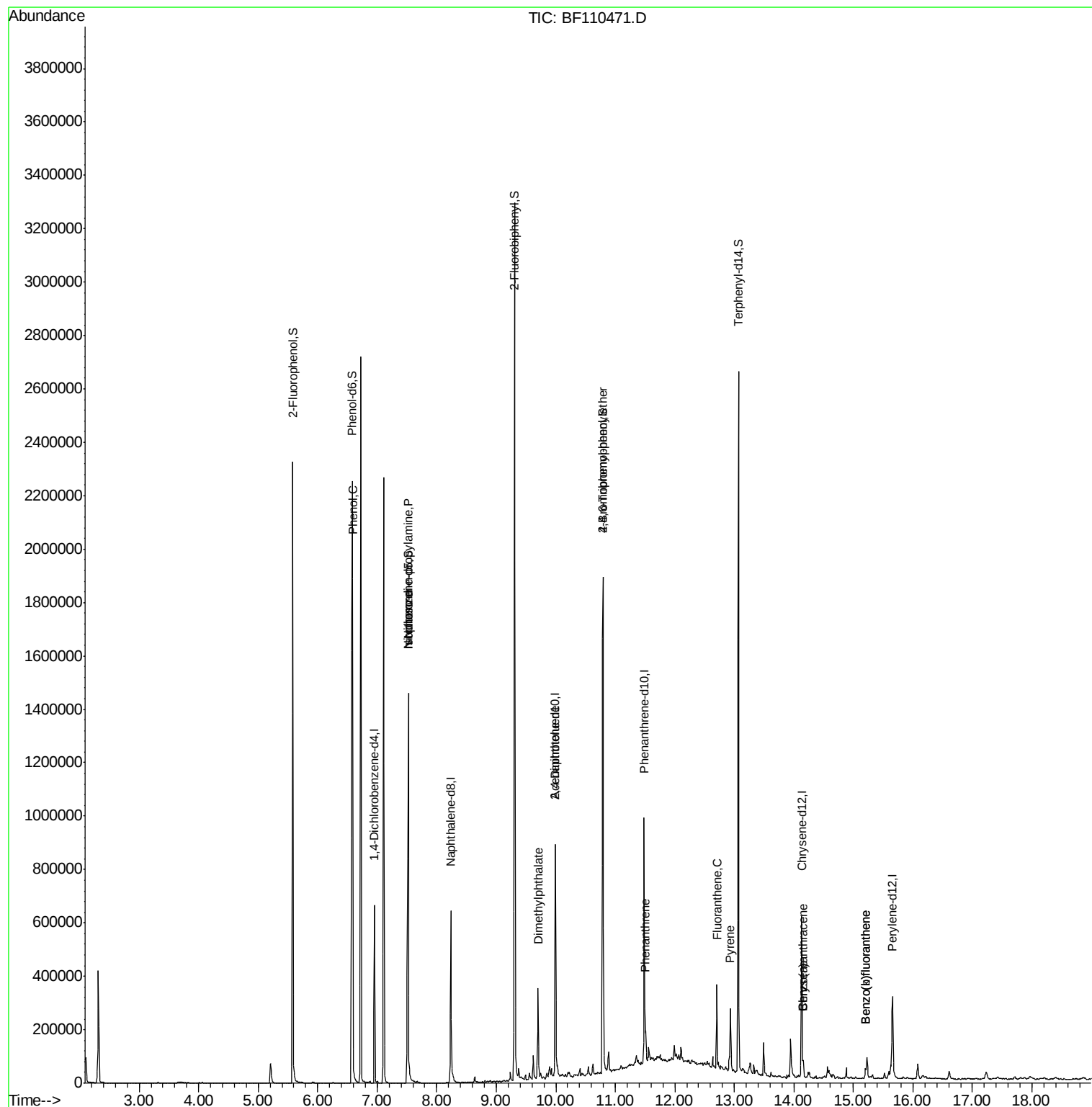
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	94700	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	386564	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	193319	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	342830	20.00	ng	0.00
76) Chrysene-d12	14.13	240	190894	20.00	ng	0.00
87) Perylene-d12	15.66	264	160434	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	704988	121.23	ng	0.00
7) Phenol-d6	6.58	99	917421	123.34	ng	0.00
23) Nitrobenzene-d5	7.52	82	591958	90.83	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	226413	118.23	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	1057030	85.86	ng	0.00
79) Terphenyl-d14	13.07	244	898146	97.85	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	1685	Below Cal		Qvalue
10) Phenol	6.59	94	57372	7.216 ng	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	77778	16.299 ng	#	67
25) Isophorone	7.52	82	591955	53.284 ng	#	79
50) Dimethylphthalate	9.70	163	144422	10.120 ng	#	67
57) 2,4-Dinitrotoluene	9.99	165	25396	6.504 ng	#	99
67) 4-Bromophenyl-phenylether	10.79	248	14066	3.782 ng	#	19
71) Phenanthrene	11.51	178	54109	3.016 ng		1
75) Fluoranthene	12.70	202	121037	6.648 ng		100
78) Pyrene	12.93	202	97006	7.088 ng		98
81) Benzo(a)anthracene	14.16	228	30411	2.686 ng		98
83) Chrysene	14.16	228	30411	2.828 ng		92
88) Benzo(b)fluoranthene	15.20	252	30661	3.310 ng	#	96
89) Benzo(k)fluoranthene	15.20	252	30661	3.366 ng	#	95

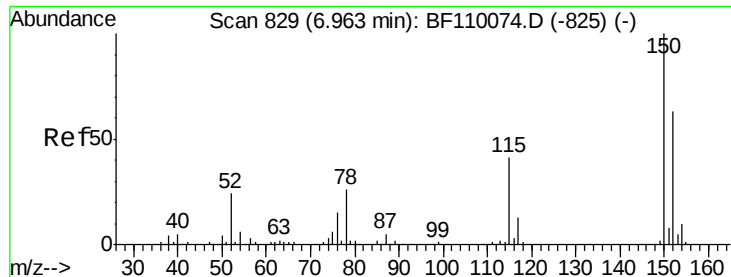
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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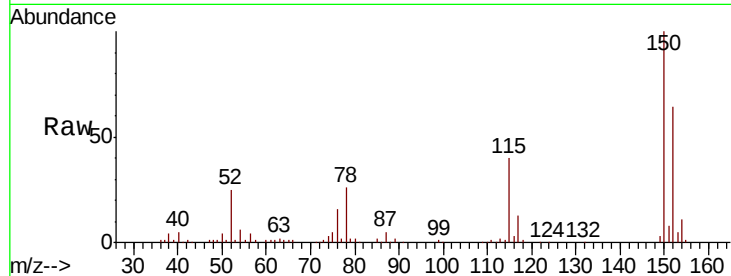




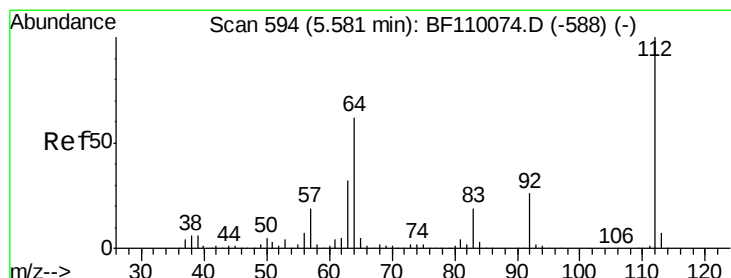
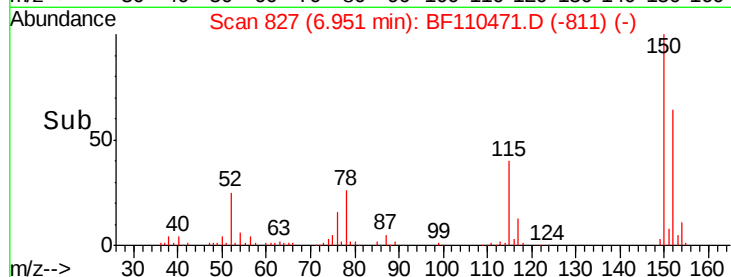
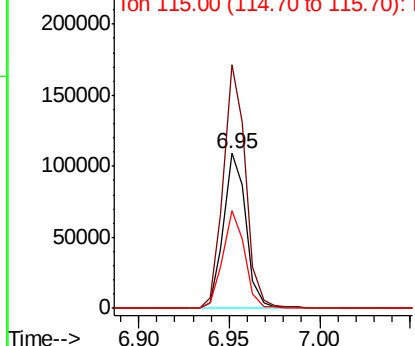
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF110471.D
 Acq: 5 Nov 2018 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TP4-A

Tgt Ion:152 Resp: 94700
 Ion Ratio Lower Upper
 152 100
 150 157.1 122.7 184.1
 115 62.7 49.1 73.7

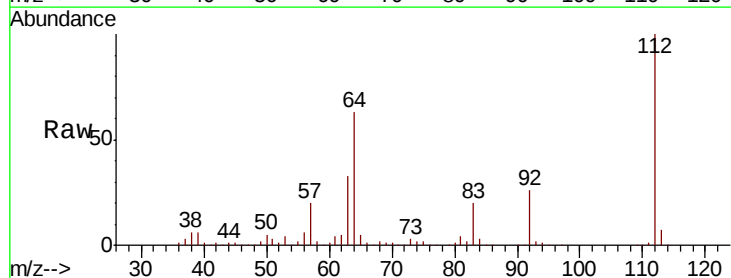


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

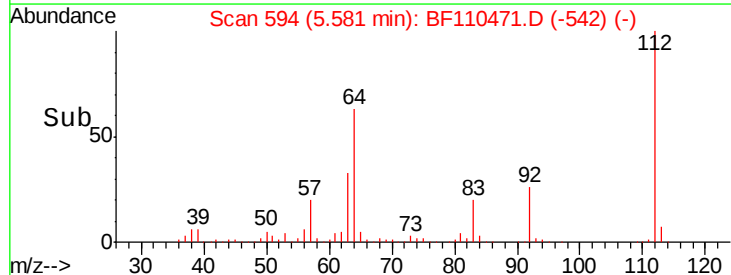
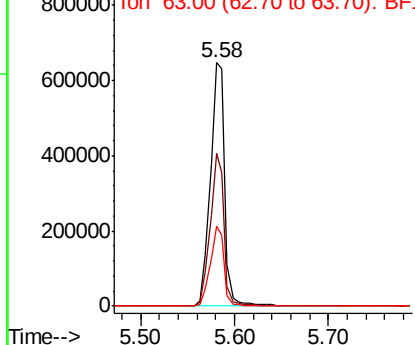


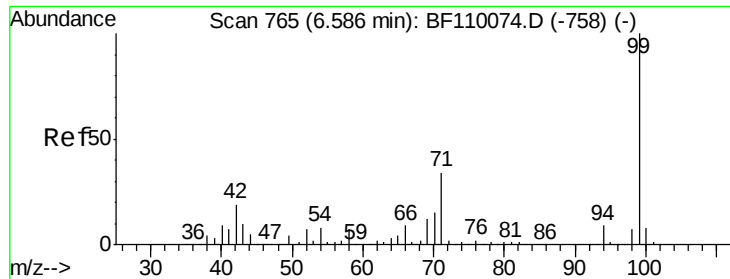
#5
 2-Fluorophenol
 Concen: 121.229 ng
 RT: 5.58 min Scan# 594
 Delta R.T. 0.01 min
 Lab File: BF110471.D
 Acq: 5 Nov 2018 18:03

Tgt Ion:112 Resp: 704988
 Ion Ratio Lower Upper
 112 100
 64 62.9 44.1 66.1
 63 32.6 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: 123.338 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF110471.D

Acq: 5 Nov 2018 18:03

Instrument :

BNA_F

ClientSampleId :

TP4-A

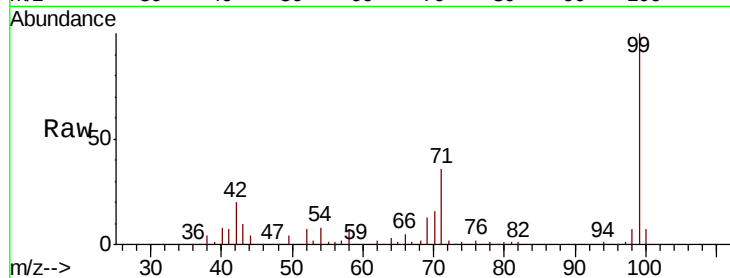
Tgt Ion: 99 Resp: 917421

Ion Ratio Lower Upper

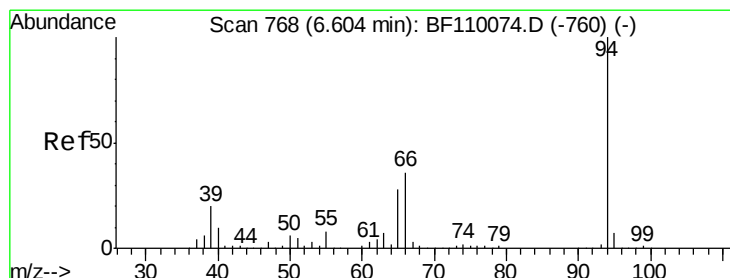
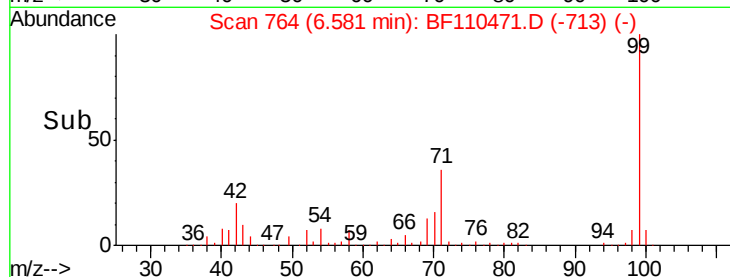
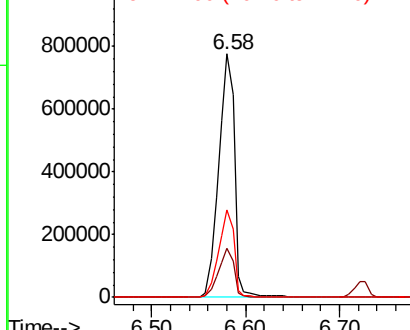
99 100

42 20.0 15.8 23.6

71 35.7 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: 7.216 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110471.D

Acq: 5 Nov 2018 18:03

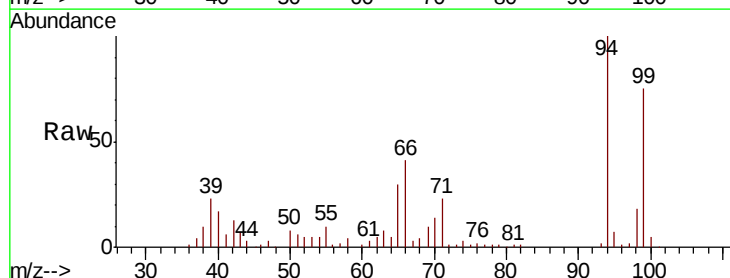
Tgt Ion: 94 Resp: 57372

Ion Ratio Lower Upper

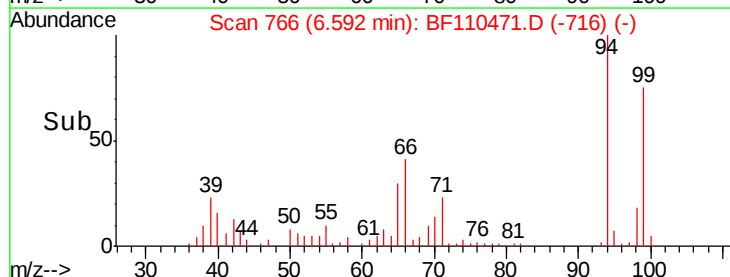
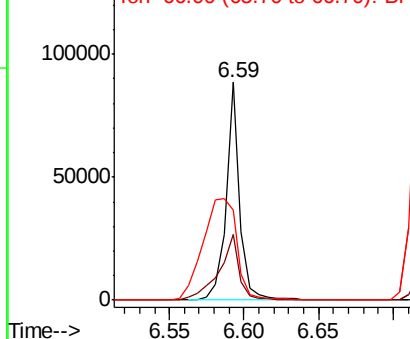
94 100

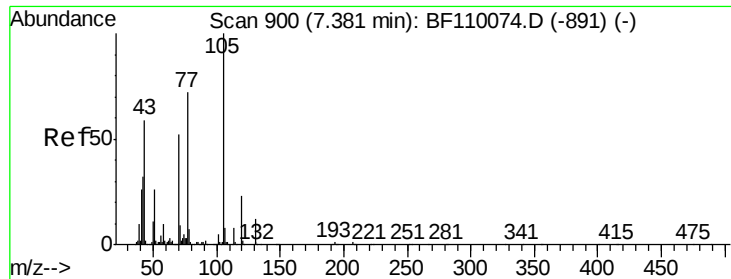
65 29.9 25.3 65.3

66 41.3 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

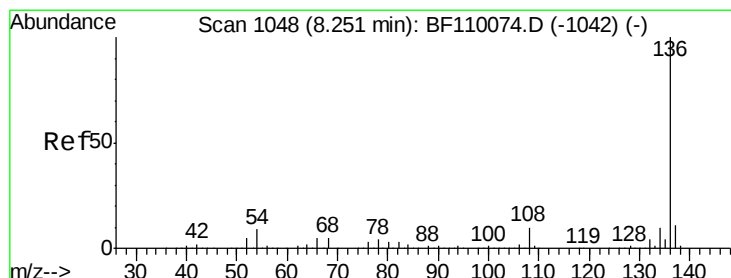
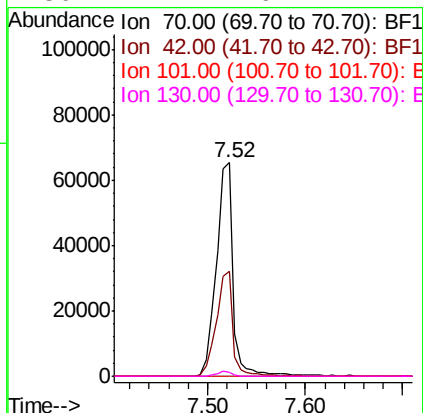
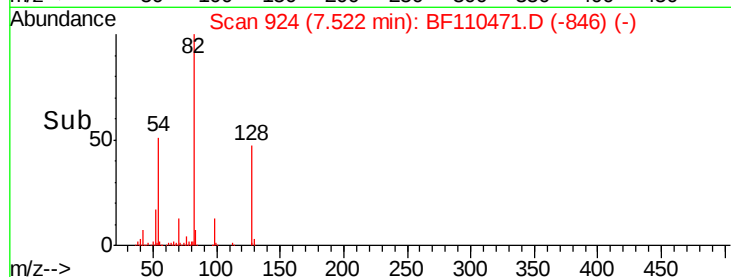
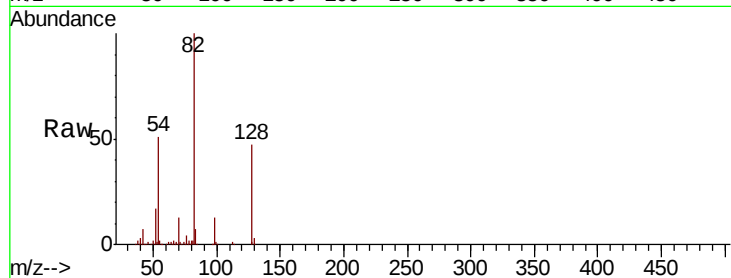




#19
n-Nitroso-di-n-propylamine
Concen: 16.299 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.16 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

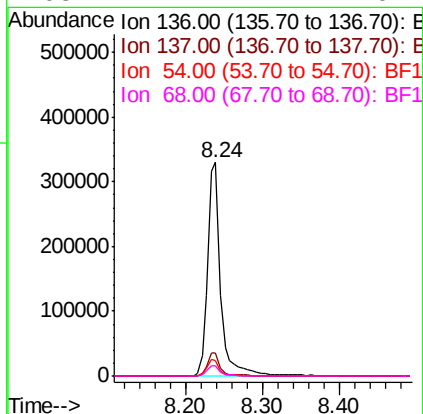
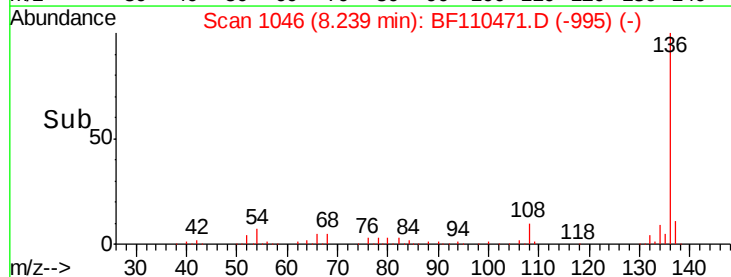
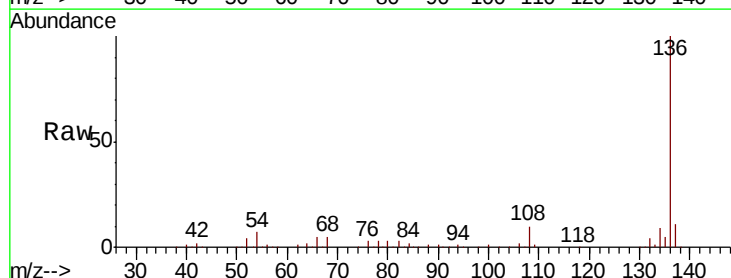
Instrument :
BNA_F
ClientSampleId :
TP4-A

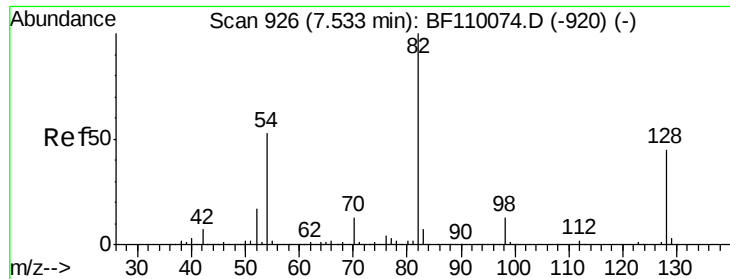
Tgt Ion: 70 Resp: 77778
Ion Ratio Lower Upper
70 100
42 49.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Tgt Ion: 136 Resp: 386564
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.3 5.4 8.2
68 4.7 4.2 6.2

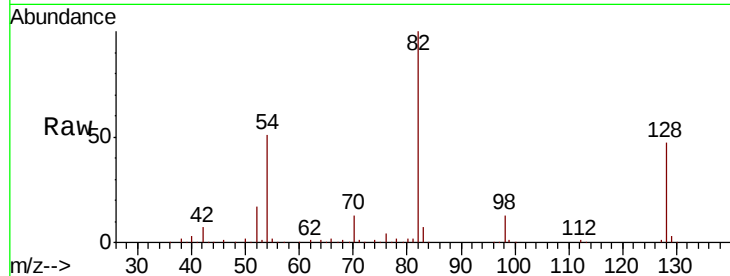




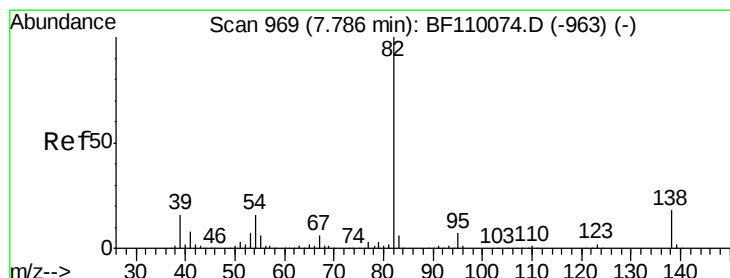
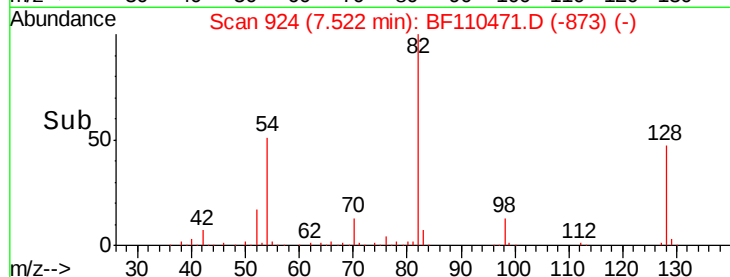
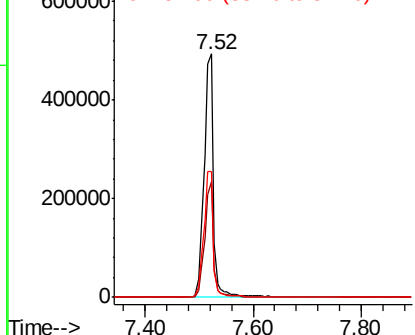
#23
Nitrobenzene-d5
Concen: 90.828 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Instrument :
BNA_F
ClientSampleId :
TP4-A

Tgt Ion: 82 Resp: 591958
Ion Ratio Lower Upper
82 100
128 47.3 34.2 51.2
54 51.5 38.6 58.0

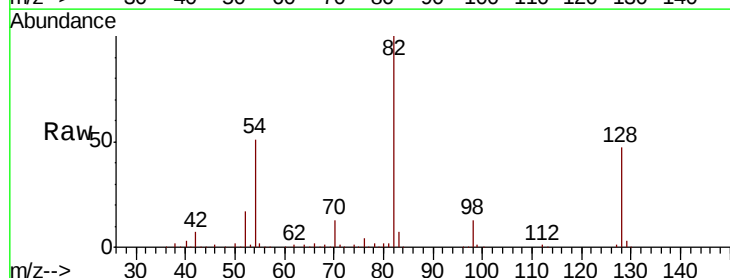


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

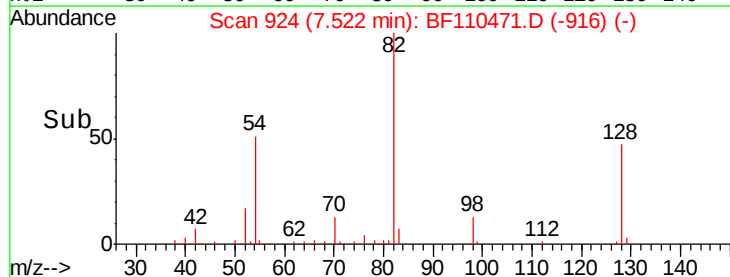
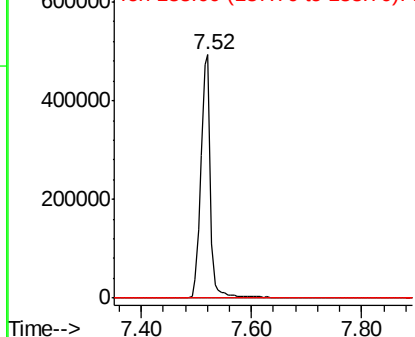


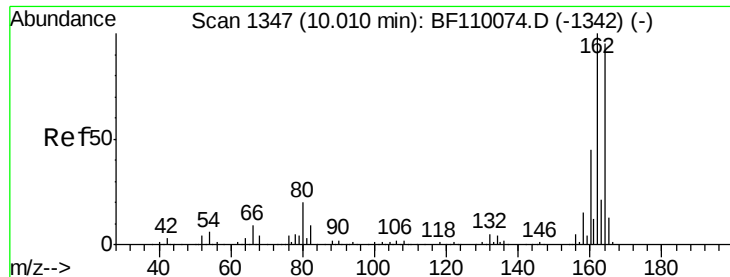
#25
Isophorone
Concen: 53.284 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Tgt Ion: 82 Resp: 591955
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

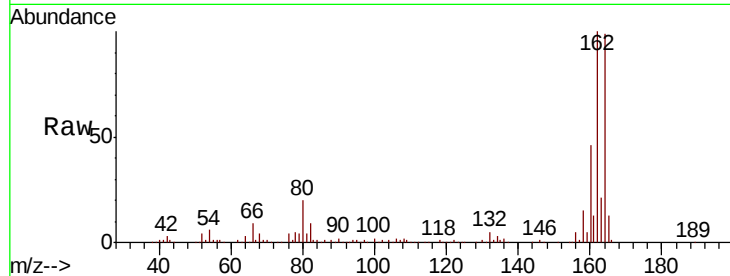




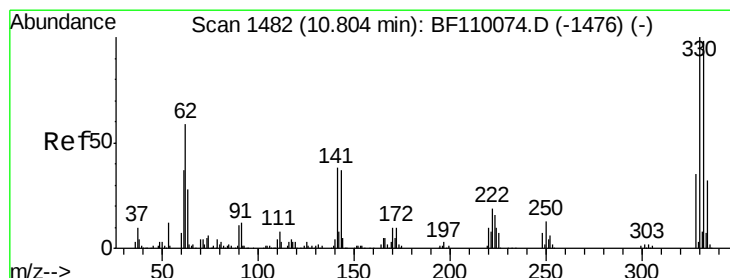
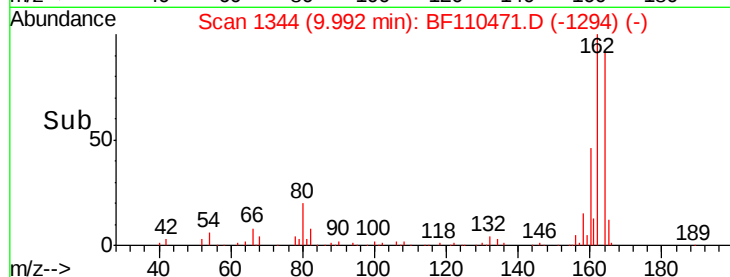
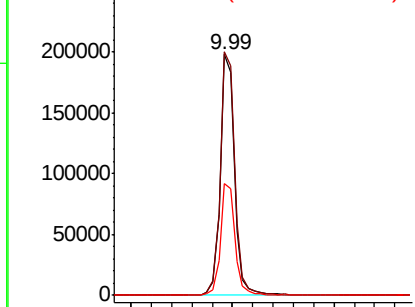
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Instrument :
BNA_F
ClientSampled :
TP4-A

Tgt Ion:164 Resp: 193319
Ion Ratio Lower Upper
164 100
162 101.1 83.0 124.6
160 46.3 37.0 55.6

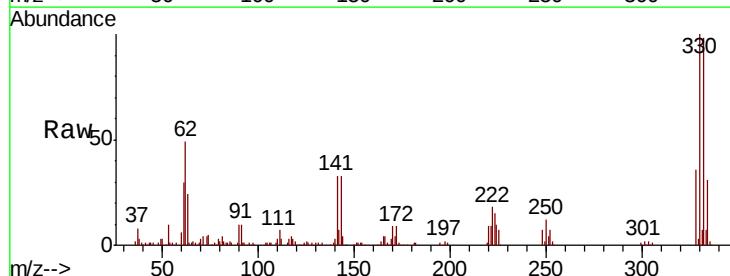


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

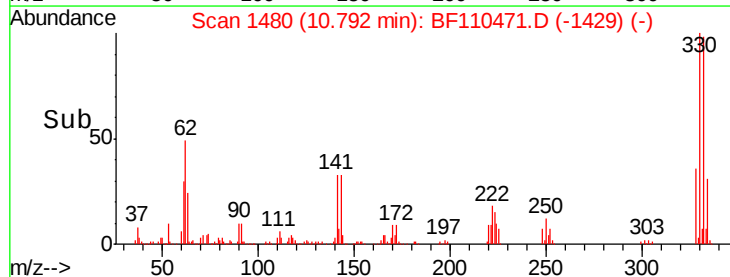
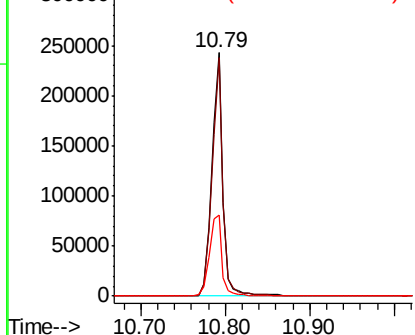


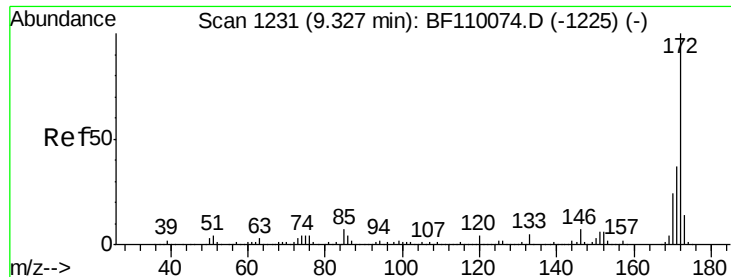
#42
2,4,6-Tribromophenol
Concen: 118.234 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Tgt Ion:330 Resp: 226413
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 38.1 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

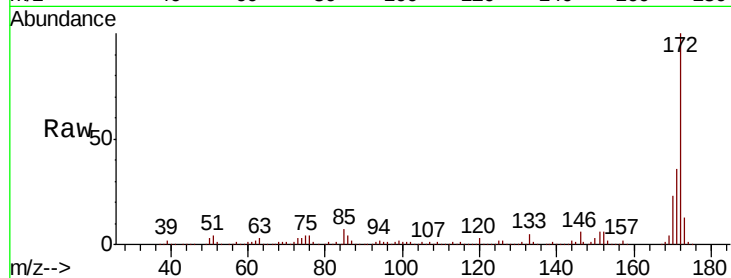




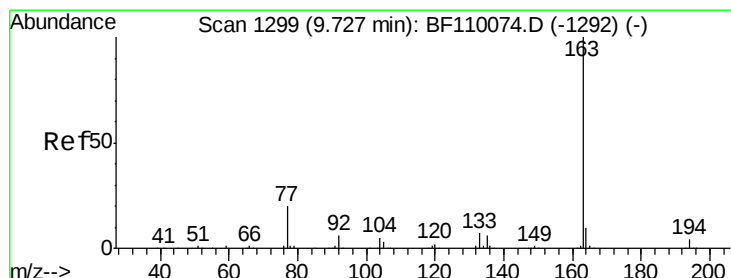
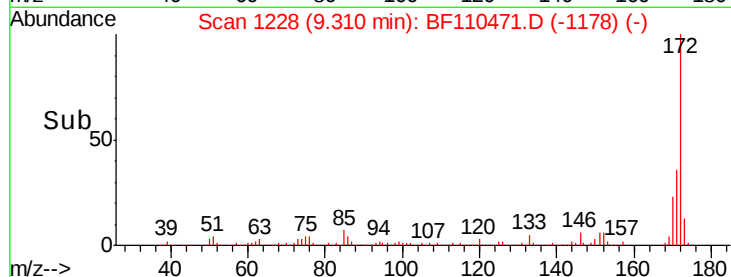
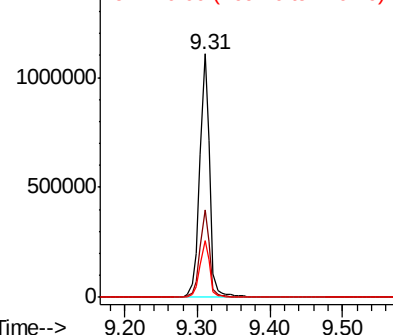
#45
 2-Fluorobiphenyl
 Concen: 85.859 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110471.D
 Acq: 5 Nov 2018 18:03

Instrument :
 BNA_F
 ClientSampleId :
 TP4-A

Tgt Ion:172 Resp: 1057030
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 23.4 19.7 29.5

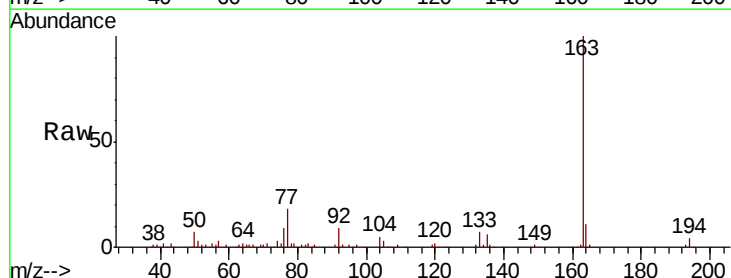


Abundance Ion 172.00 (171.70 to 172.70): E
 1500000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

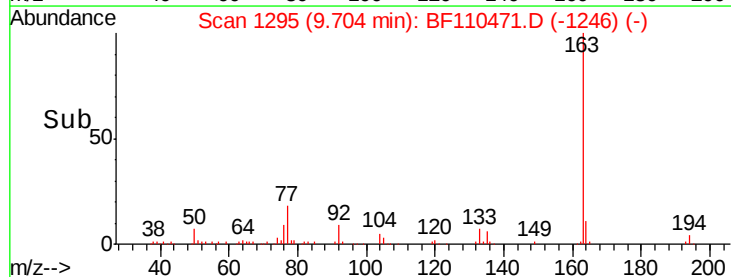
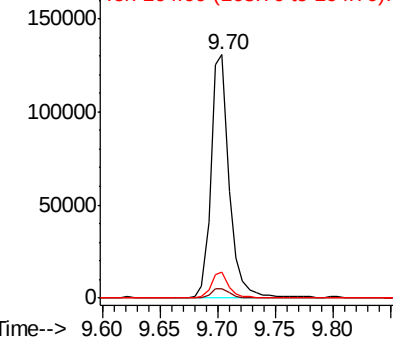


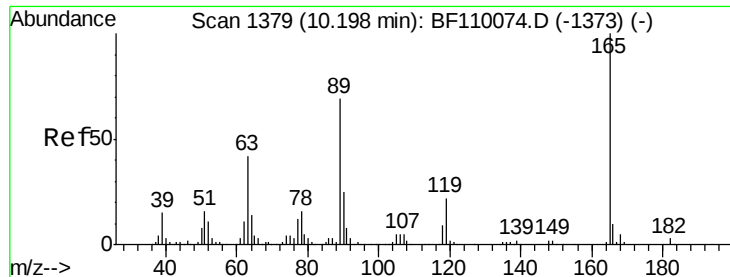
#50
 Dimethylphthalate
 Concen: 10.120 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF110471.D
 Acq: 5 Nov 2018 18:03

Tgt Ion:163 Resp: 144422
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.2 4.8
 164 10.5 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

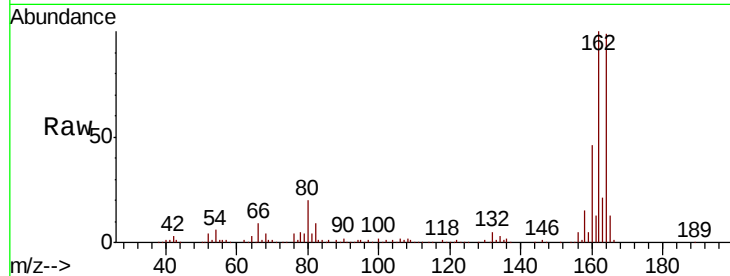




#57
2,4-Dinitrotoluene
Concen: 6.504 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Instrument :
BNA_F
ClientSampleId :
TP4-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.8	67.2#
89	1.3	62.2	93.4#
182	0.0	2.1	3.1#

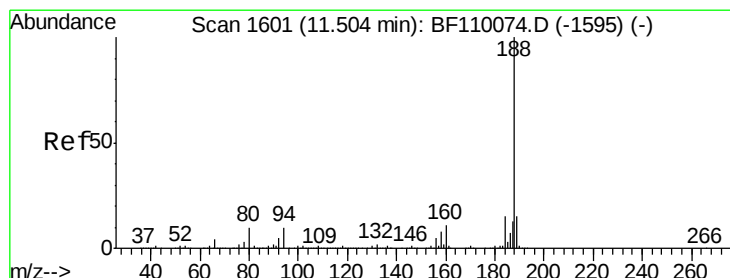
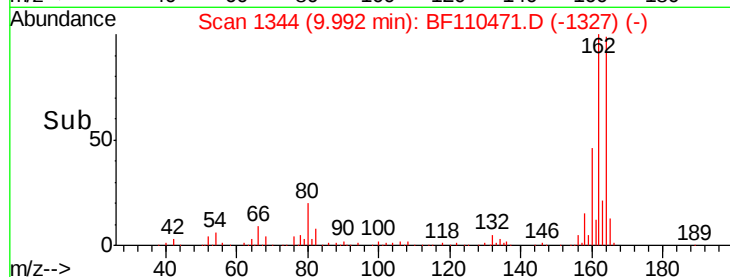
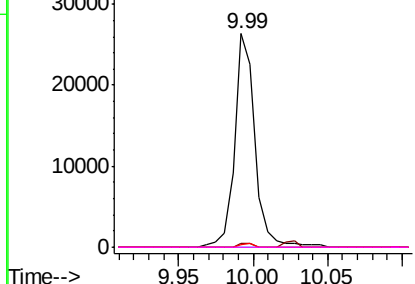


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

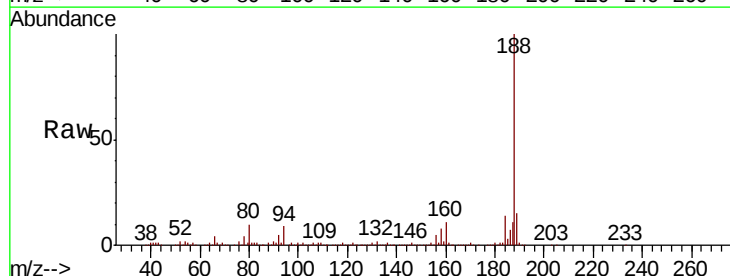
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

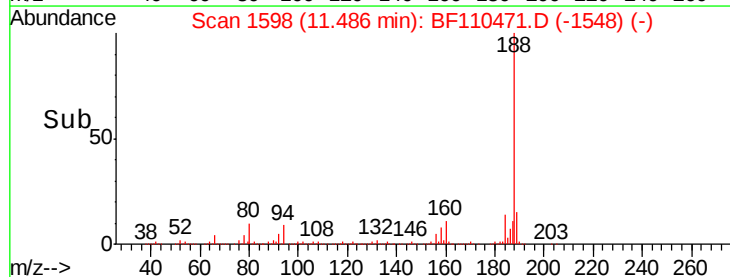
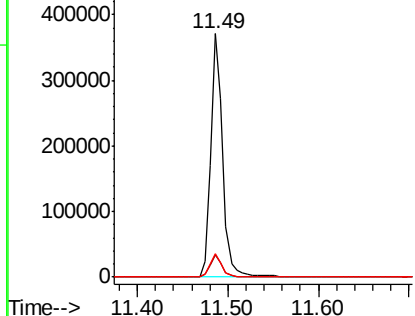
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.9	7.9	11.9

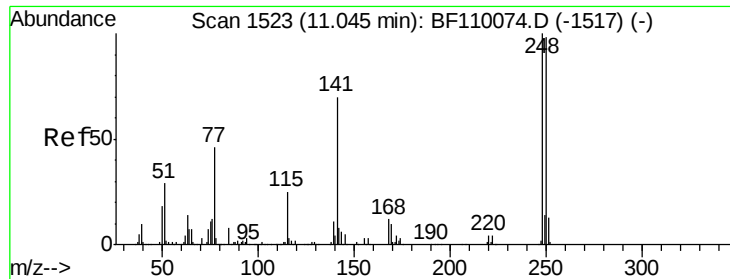


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

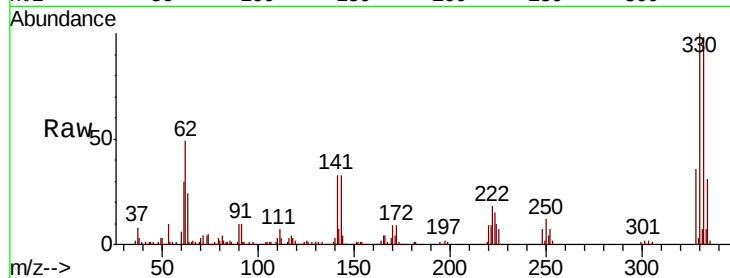




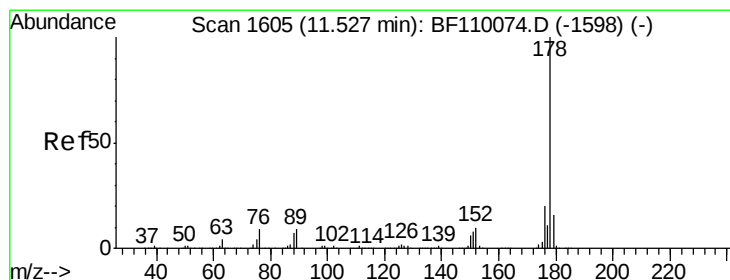
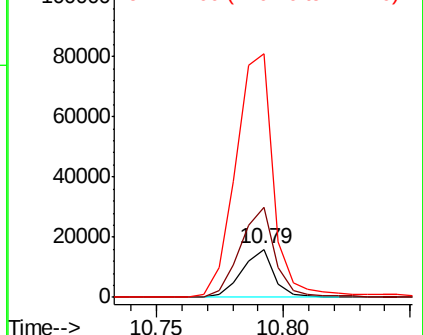
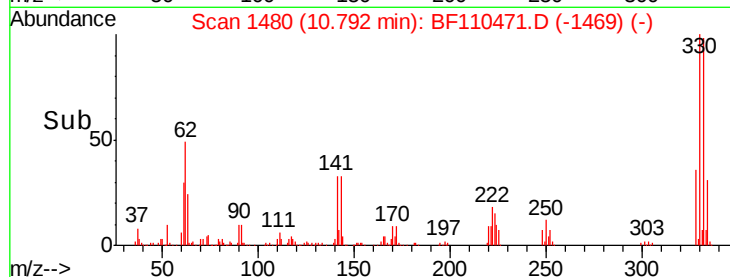
#67
 4-Bromophenyl-phenylether
 Concen: 3.782 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF110471.D
 Acq: 5 Nov 2018 18:03

Instrument :
 BNA_F
 ClientSampled :
 TP4-A

Tgt Ion:248 Resp: 14066
 Ion Ratio Lower Upper
 248 100
 250 186.9 79.4 119.2#
 141 503.9 55.9 83.9#

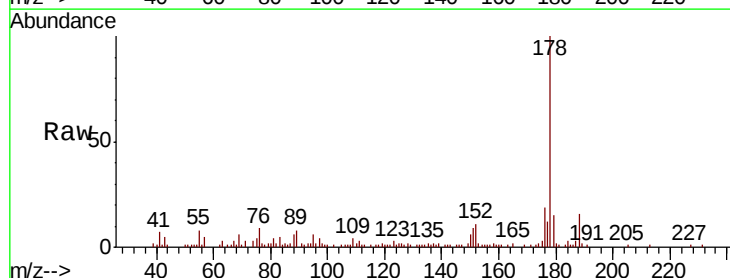


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

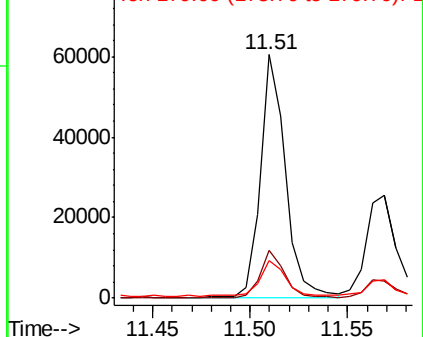
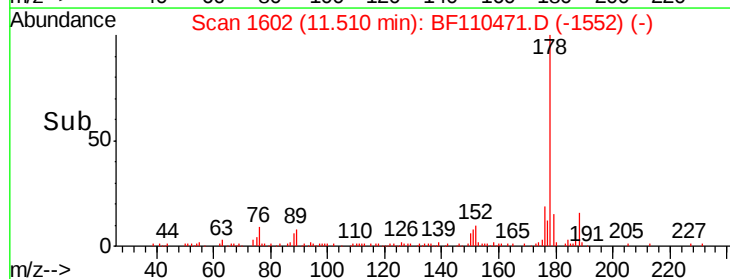


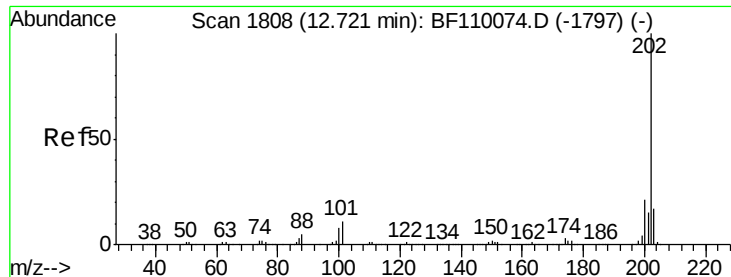
#71
 Phenanthrene
 Concen: 3.016 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110471.D
 Acq: 5 Nov 2018 18:03

Tgt Ion:178 Resp: 54109
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.5 23.3
 179 15.3 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: 6.648 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110471.D

Acq: 5 Nov 2018 18:03

Instrument :

BNA_F

ClientSampleId :

TP4-A

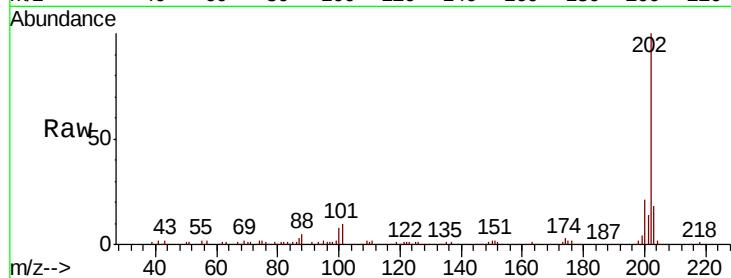
Tgt Ion:202 Resp: 121037

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

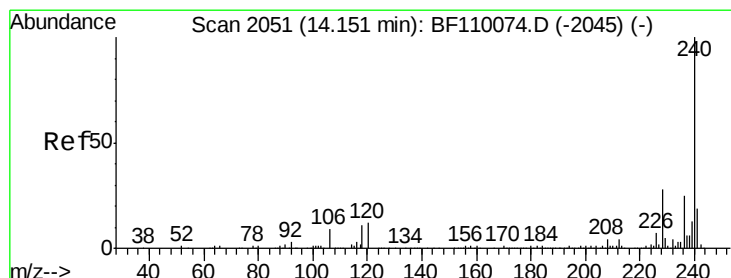
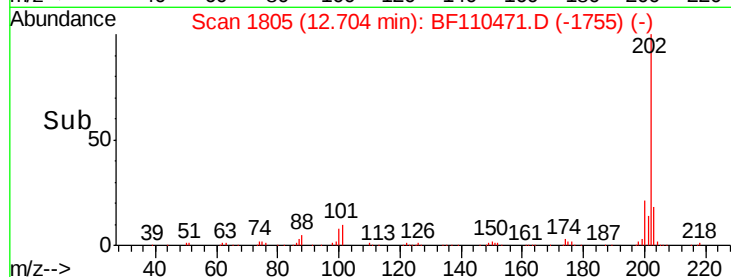
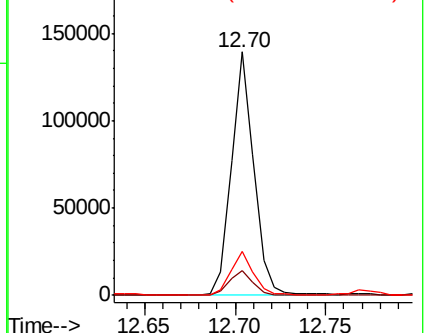
203 17.8 0.0 37.7



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# 2048

Delta R.T. -0.01 min

Lab File: BF110471.D

Acq: 5 Nov 2018 18:03

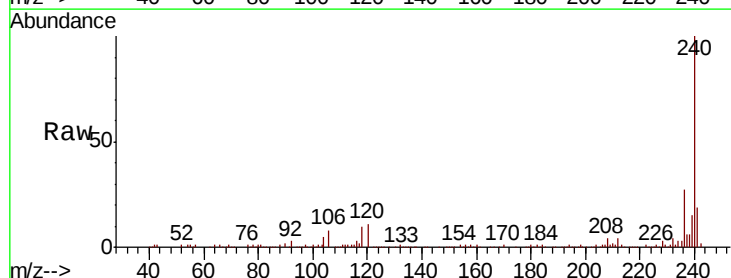
Tgt Ion:240 Resp: 190894

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

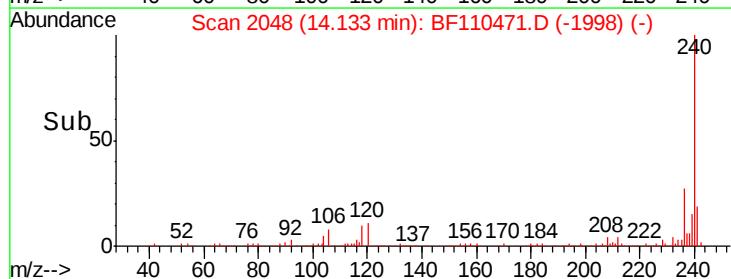
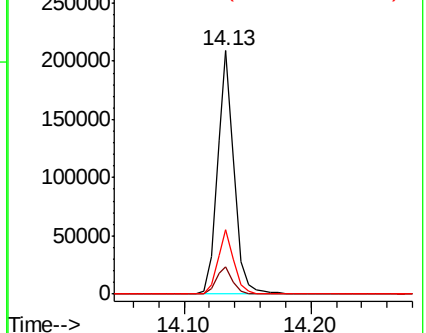
236 26.5 21.2 31.8

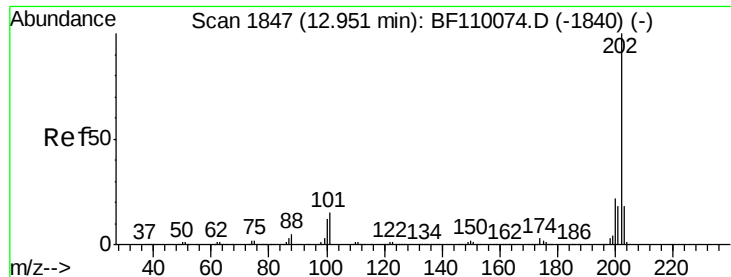


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

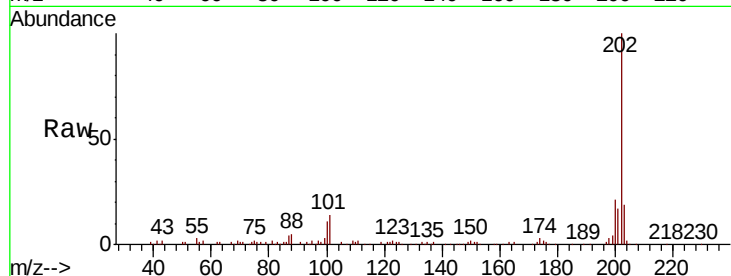




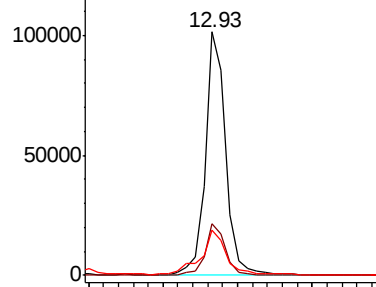
#78
Pyrene
Concen: 7.088 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Instrument :
BNA_F
ClientSampleId :
TP4-A

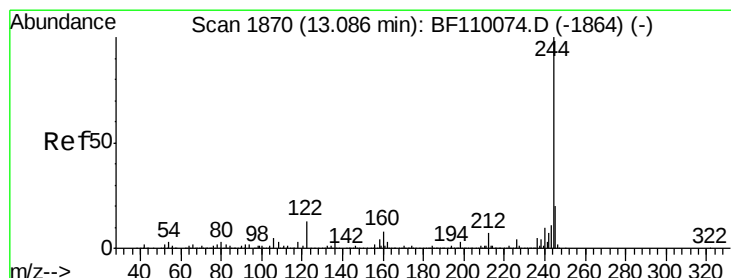
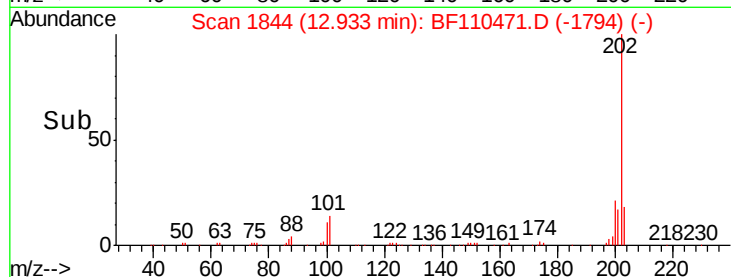
Tgt Ion:202 Resp: 97006
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 18.7 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

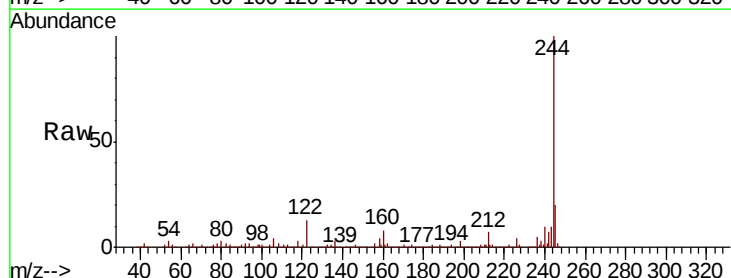


Time--> 12.85 12.90 12.95 13.00

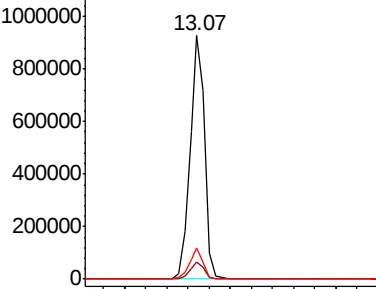


#79
Terphenyl-d14
Concen: 97.849 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

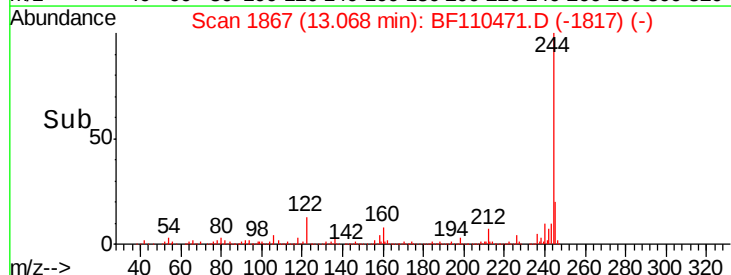
Tgt Ion:244 Resp: 898146
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 12.6 8.7 13.1

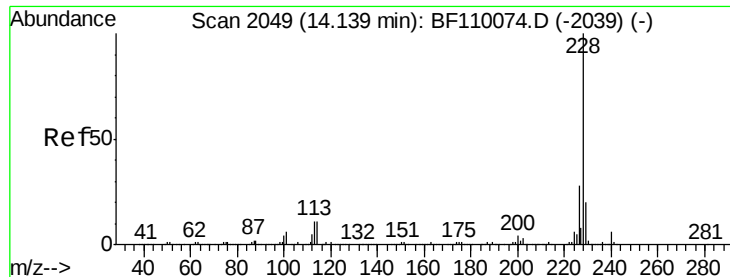


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 13.00 13.10 13.20





#81

Benzo(a)anthracene

Concen: 2.686 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.03 min

Lab File: BF110471.D

Acq: 5 Nov 2018 18:03

Instrument :

BNA_F

ClientSampleId :

TP4-A

Tgt Ion:228 Resp: 30411

Ion Ratio Lower Upper

228 100

226 32.1 22.1 33.1

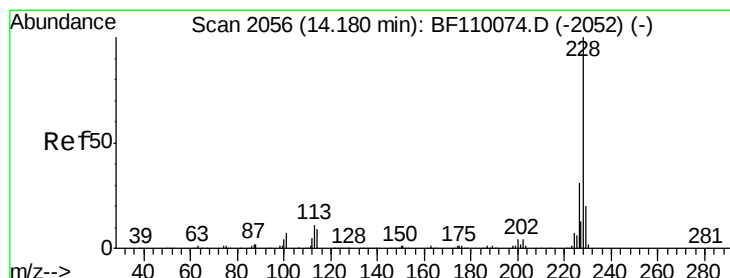
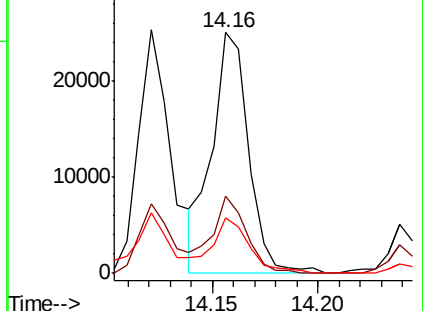
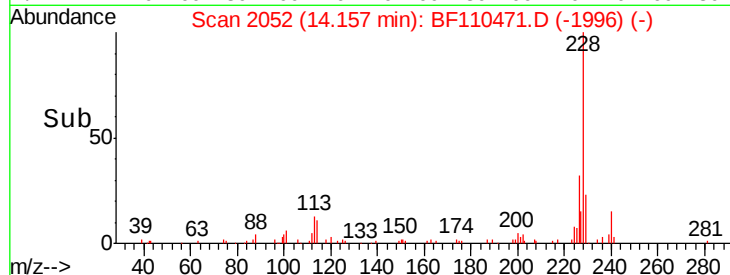
229 23.1 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.828 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110471.D

Acq: 5 Nov 2018 18:03

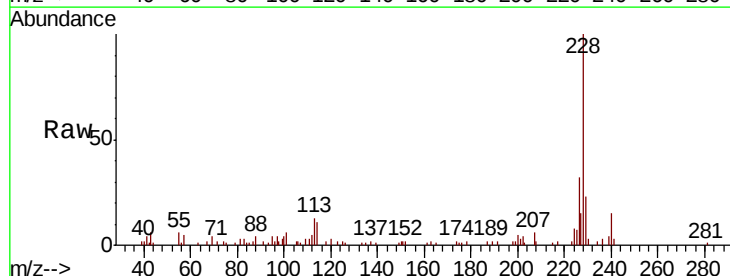
Tgt Ion:228 Resp: 30411

Ion Ratio Lower Upper

228 100

226 32.1 24.7 37.1

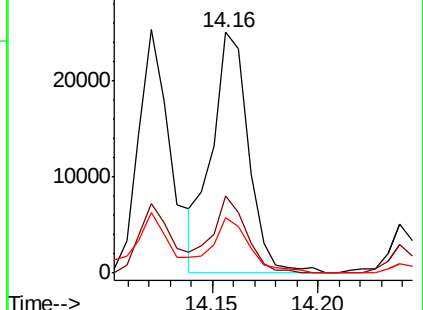
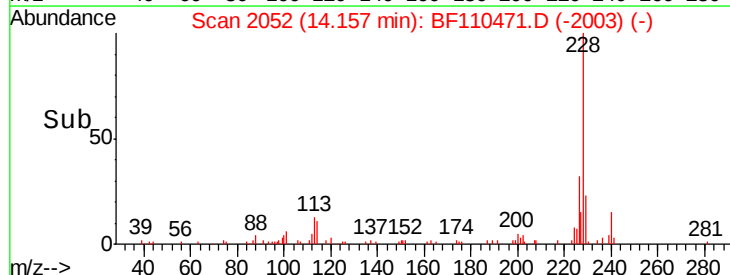
229 23.1 15.9 23.9

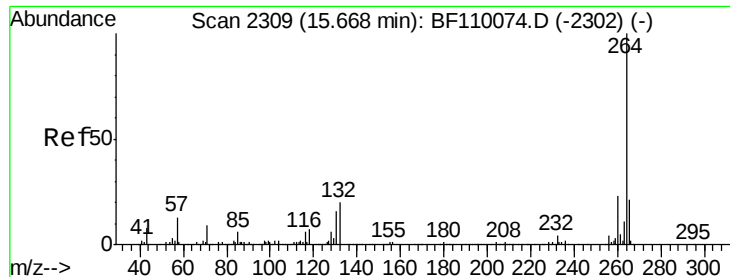


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

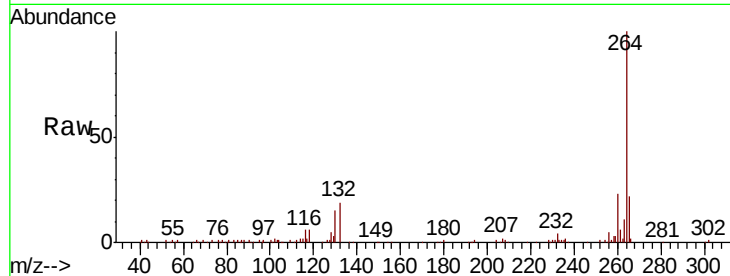




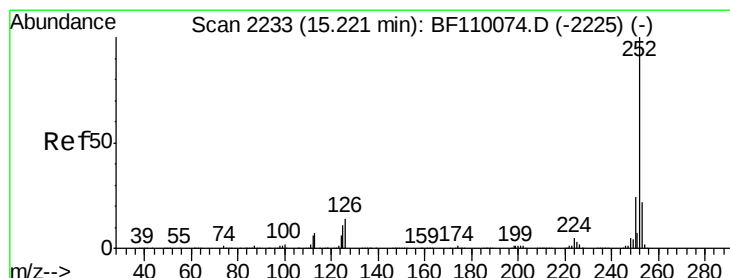
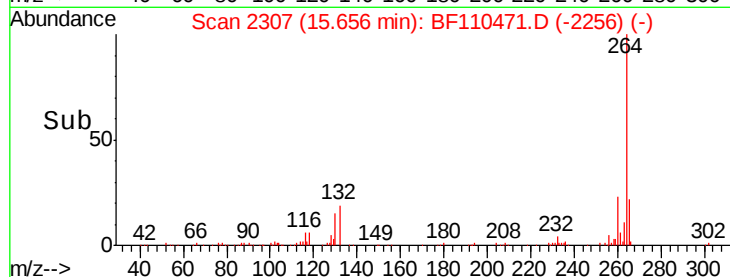
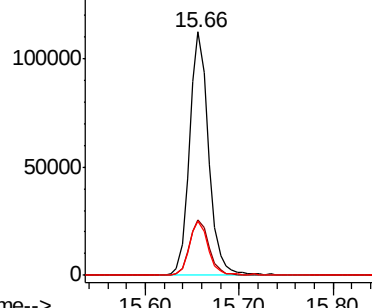
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Instrument :
BNA_F
ClientSampleId :
TP4-A

Tgt Ion:264 Resp: 160434
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 22.1 16.7 25.1

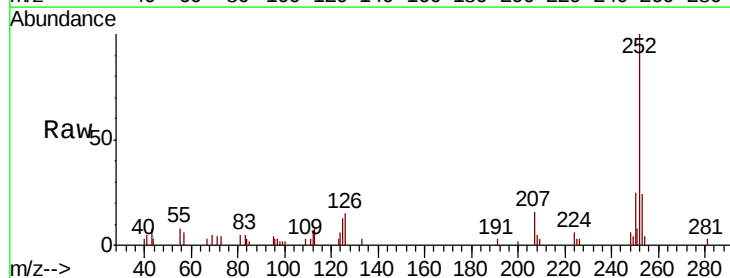


Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

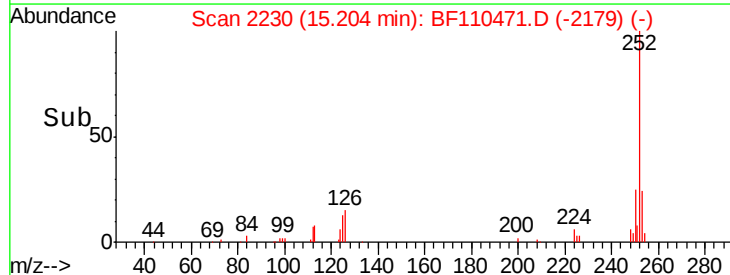
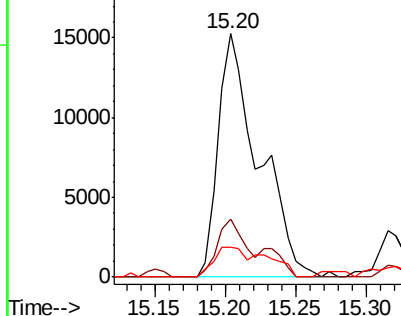


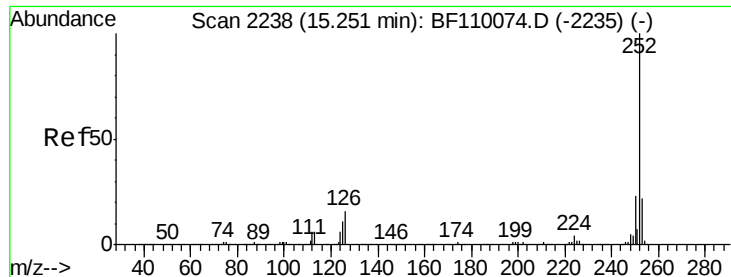
#88
Benzo(b)fluoranthene
Concen: 3.310 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110471.D
Acq: 5 Nov 2018 18:03

Tgt Ion:252 Resp: 30661
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 12.5 8.2 12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
20000 Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.366 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110471.D

Acq: 5 Nov 2018 18:03

Instrument :

BNA_F

ClientSampleId :

TP4-A

Tgt Ion:252 Resp: 30661

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 12.5 7.4 11.0#

