

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
 Data File : BF110890.D
 Acq On : 20 Nov 2018 13:23
 Operator : JU/SJ
 Sample : J6010-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 14:19:36 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	6.94	152	77879	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	322696	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	147216	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	253313	20.00	ng	0.00
76) Chrysene-d12	14.13	240	171910	20.00	ng	0.00
87) Perylene-d12	15.66	264	176059	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	602888	125.74	ng	0.00
7) Phenol-d6	6.57	99	760192	123.99	ng	0.00
23) Nitrobenzene-d5	7.51	82	496918	88.68	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	165334	111.46	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	847336	82.20	ng	0.00
79) Terphenyl-d14	13.07	244	637953	69.50	ng	0.00

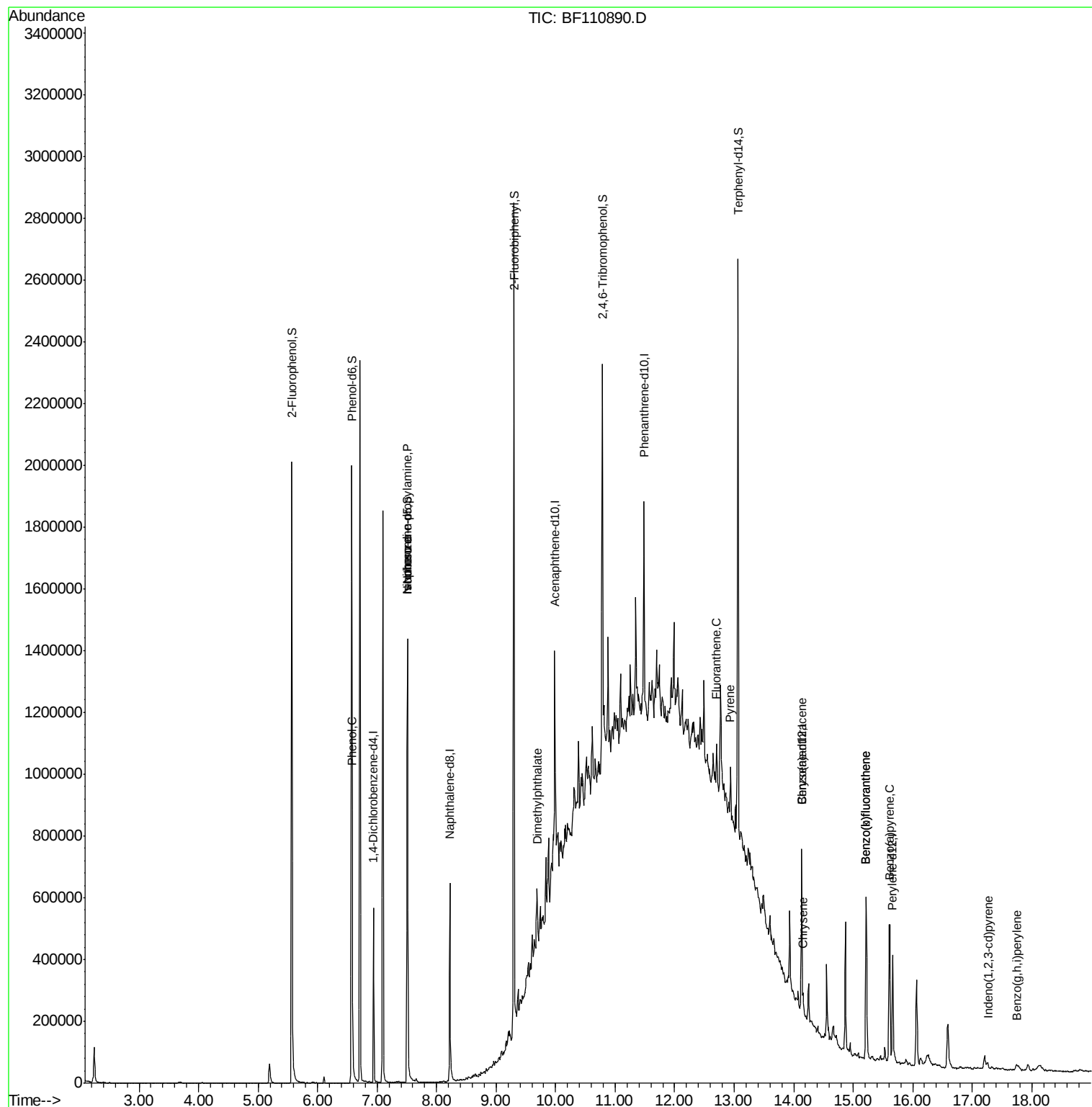
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	1431	Below Cal	#	1
10) Phenol	6.59	94	40800	5.739 ng	#	70
19) n-Nitroso-di-n-propylamine	7.51	70	66352	16.954 ng	#	79
25) Isophorone	7.51	82	496915	54.107 ng	#	67
50) Dimethylphthalate	9.69	163	64162	5.841 ng	#	97
75) Fluoranthene	12.70	202	46982	3.453 ng		96
78) Pyrene	12.94	202	47559	3.593 ng		96
81) Benzo(a)anthracene	14.13	228	25553	2.487 ng		95
83) Chrysene	14.16	228	25655	2.621 ng		97
86) Indeno(1,2,3-cd)pyrene	17.26	276	17848	2.541 ng		98
88) Benzo(b)fluoranthene	15.21	252	56134	5.330 ng	#	89
89) Benzo(k)fluoranthene	15.21	252	56134	5.394 ng	#	89
90) Benzo(a)pyrene	15.60	252	27751	2.900 ng	#	91
92) Benzo(a,h,i)perylene	17.74	276	16344	2.034 ng		95

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

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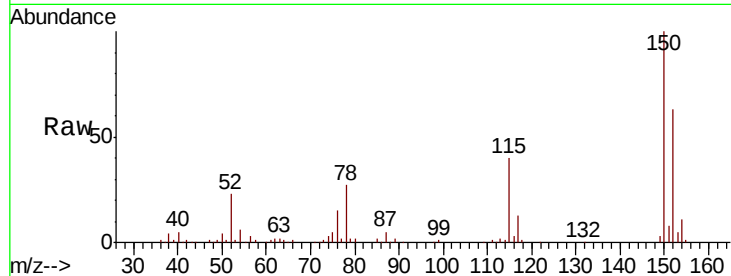


#1

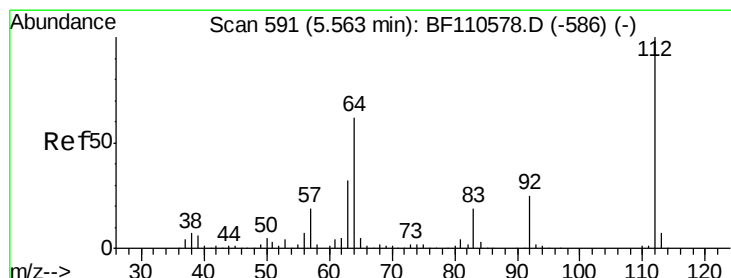
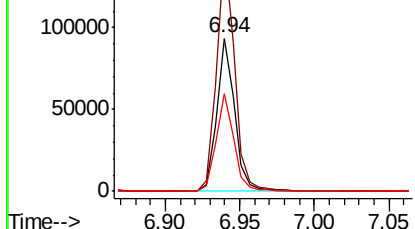
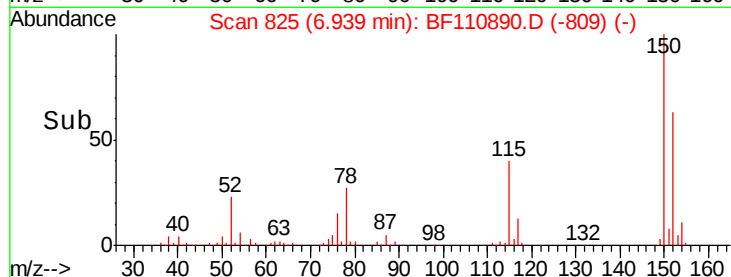
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77879
Ion Ratio Lower Upper
152 100
150 158.8 122.7 184.1
115 63.7 49.1 73.7



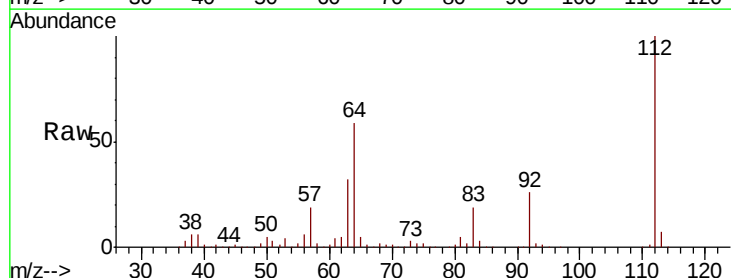
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



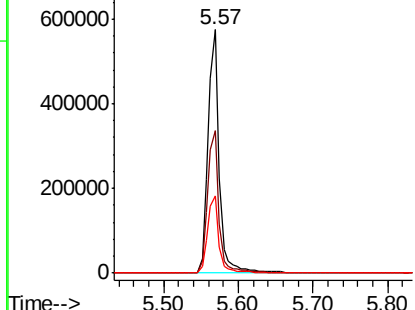
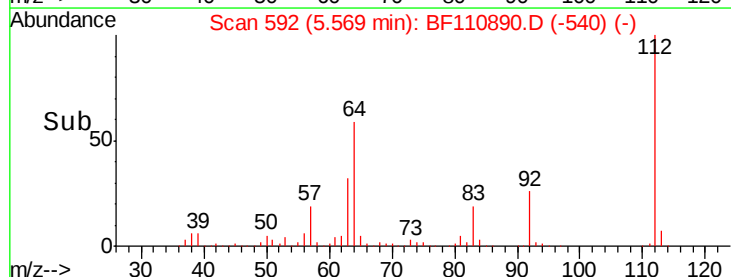
#5

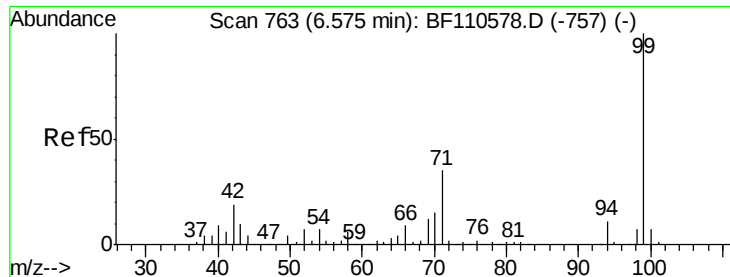
2-Fluorophenol
Concen: 125.744 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Tgt Ion:112 Resp: 602888
Ion Ratio Lower Upper
112 100
64 58.8 44.1 66.1
63 31.6 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: 123.989 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.00 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

Instrument :

BNA_F

ClientSampled :

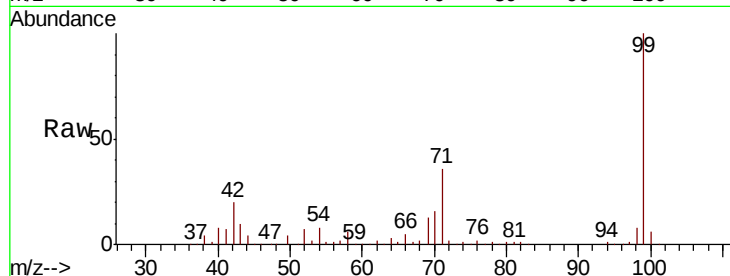
Tot Ion: 99 Resp: 760192

Ion Ratio Lower Upper

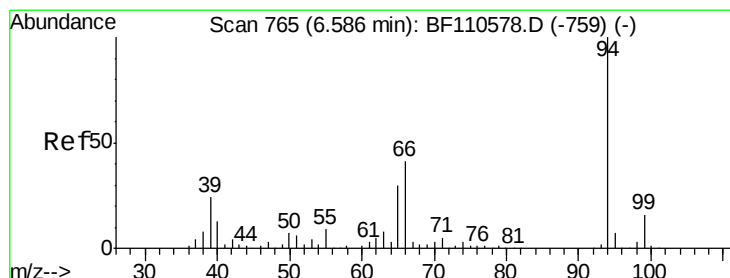
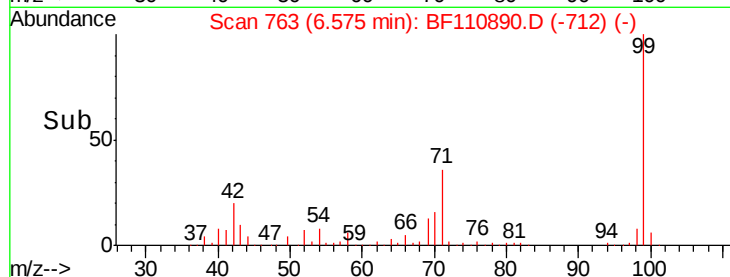
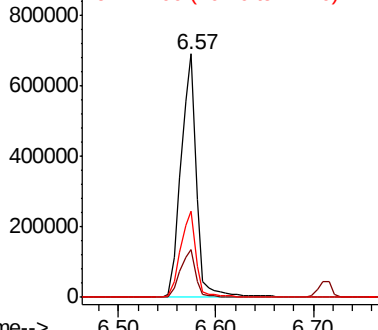
99 100

42 19.6 15.8 23.6

71 35.6 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: 5.739 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

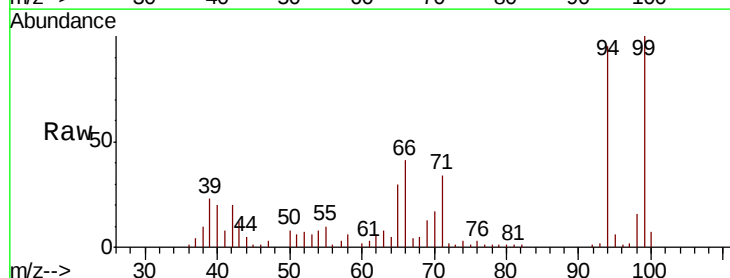
Tgt Ion: 94 Resp: 40800

Ion Ratio Lower Upper

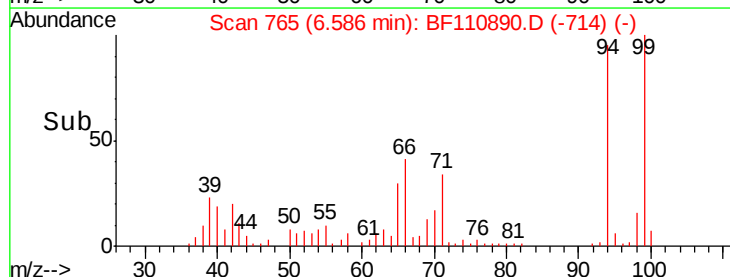
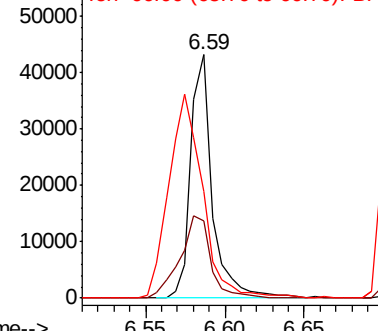
94 100

65 31.6 25.3 65.3

66 43.7 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

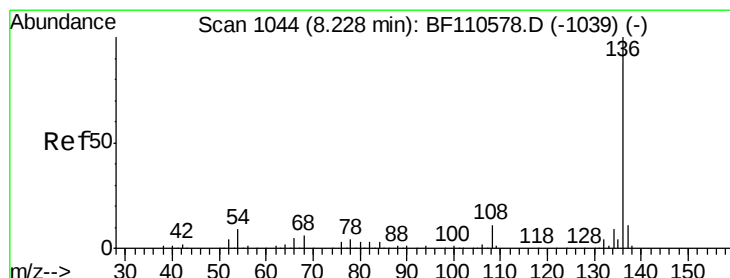
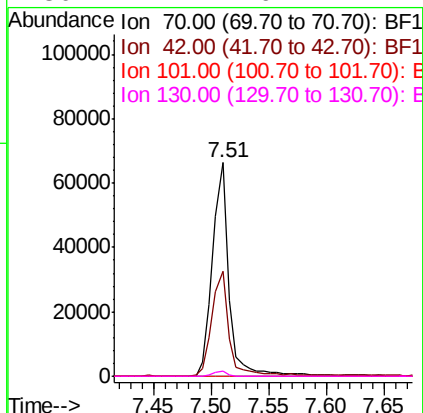
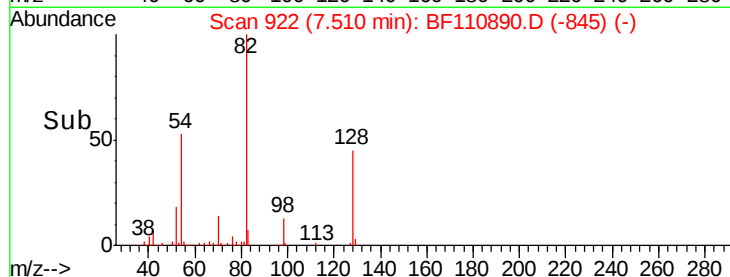
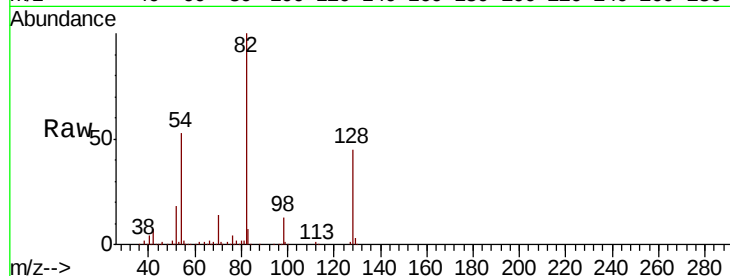




#19
n-Nitroso-di-n-propylamine
Concen: 16.954 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

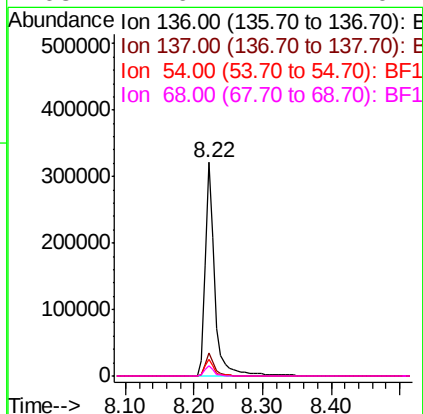
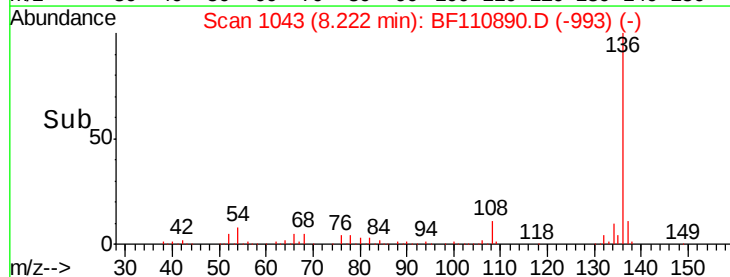
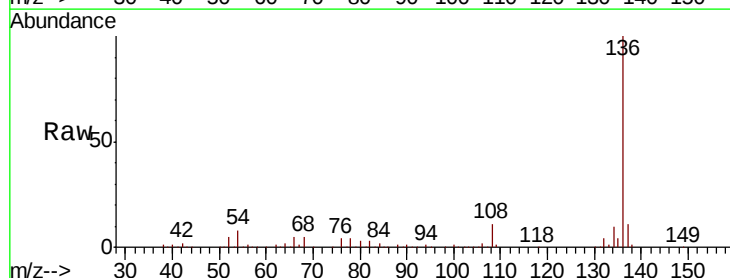
Instrument :
BNA_F
ClientSampled :

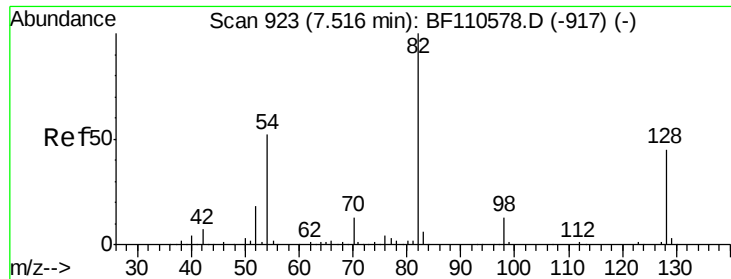
Tot Ion: 70 Resp: 66352
Ion Ratio Lower Upper
70 100
42 48.9 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Tgt Ion: 136 Resp: 322696
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.6 5.4 8.2
68 4.6 4.2 6.2

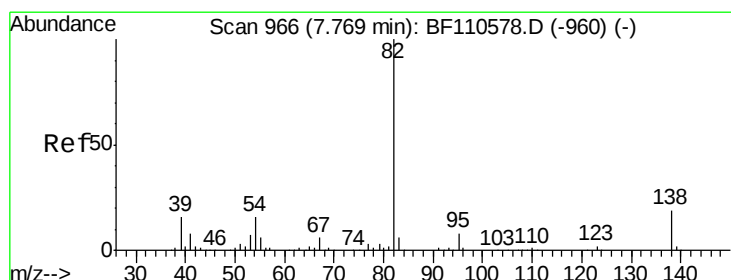
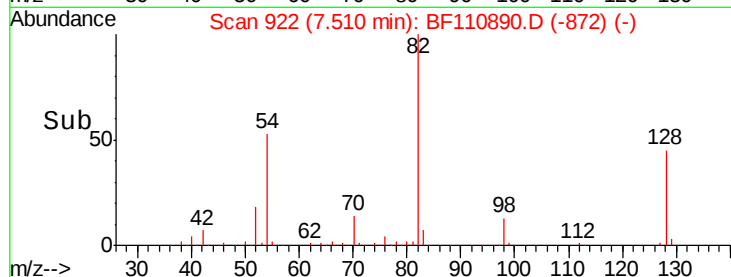
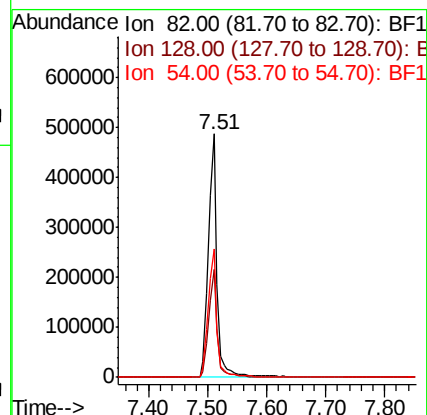
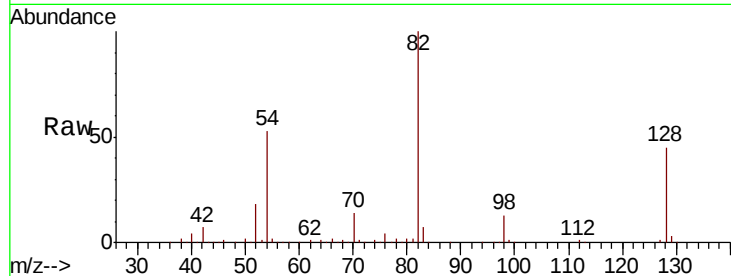




#23
Nitrobenzene-d5
Concen: 88.682 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

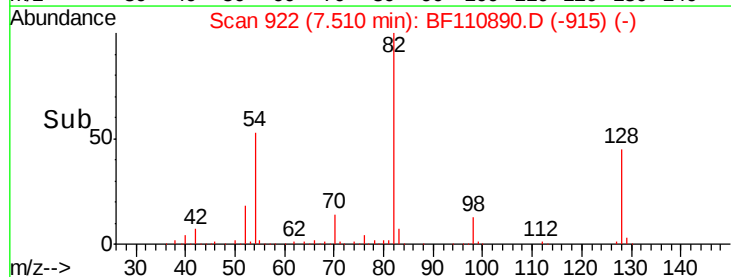
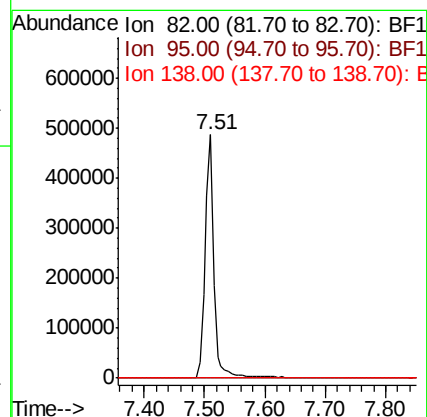
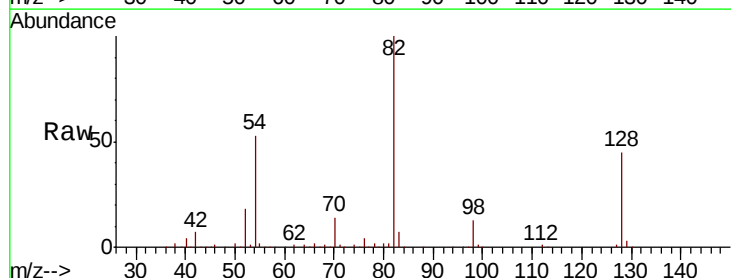
Instrument :
BNA_F
ClientSampled :

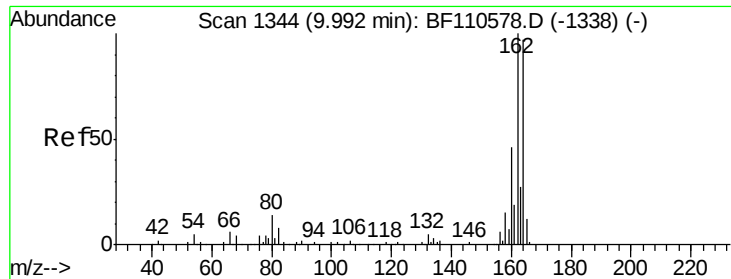
Tot Ion	82	Resp	496918
Ion Ratio	Lower	Upper	
82	100		
128	44.6	34.2	51.2
54	52.5	38.6	58.0



#25
Isophorone
Concen: 54.107 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Tgt Ion	82	Resp	496915
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

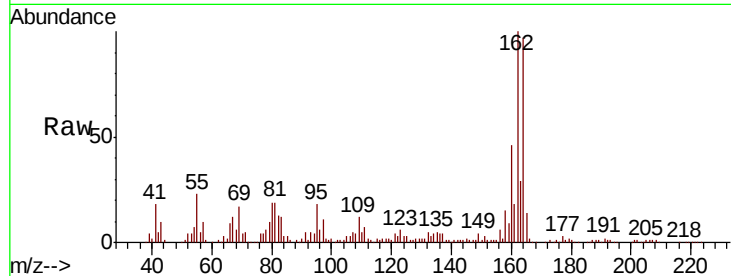




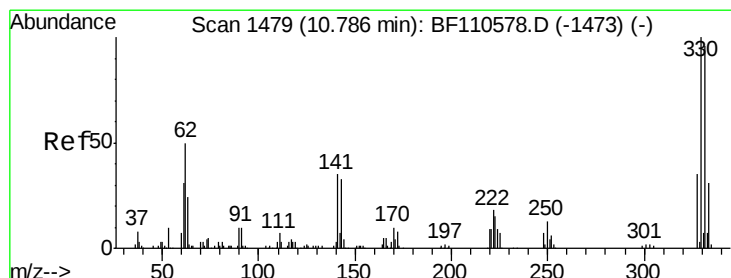
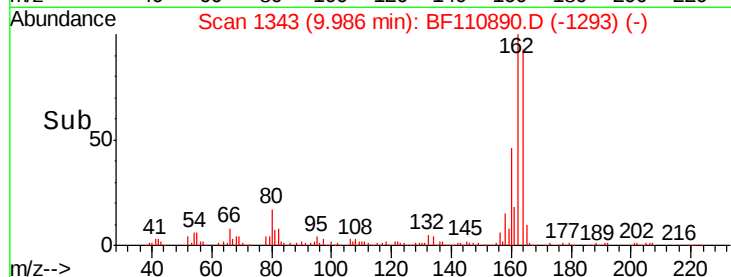
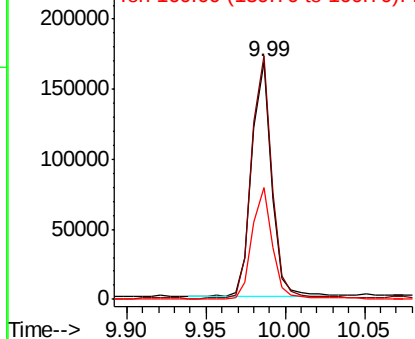
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF110890.D
 Acq: 20 Nov 2018 13:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.0	124.6
160	47.0	37.0	55.6

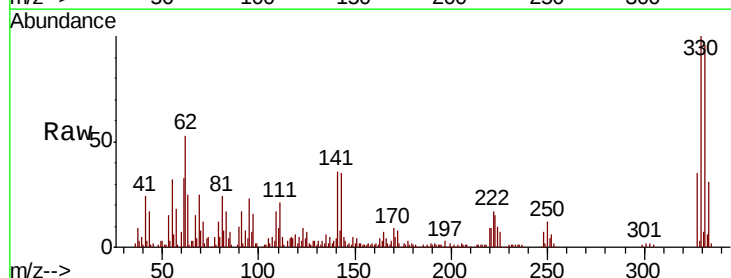


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

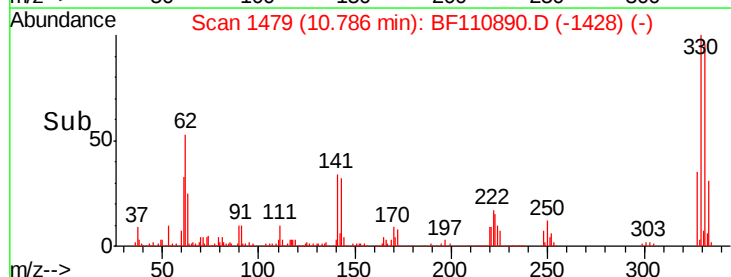
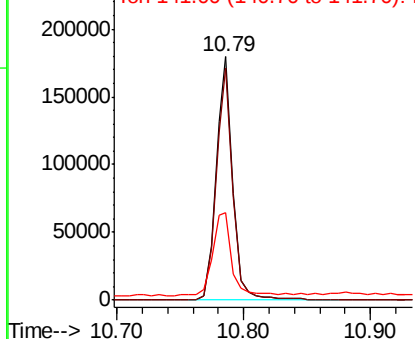


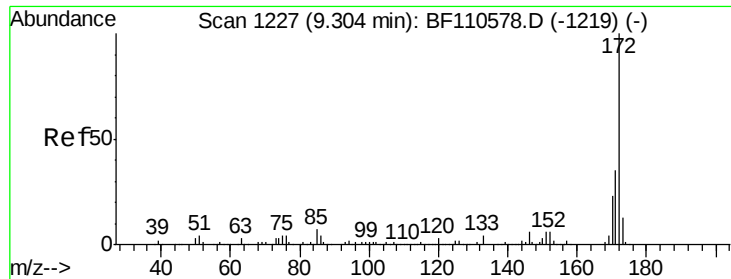
#42
 2,4,6-Tribromophenol
 Concen: 111.457 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: BF110890.D
 Acq: 20 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	40.2	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

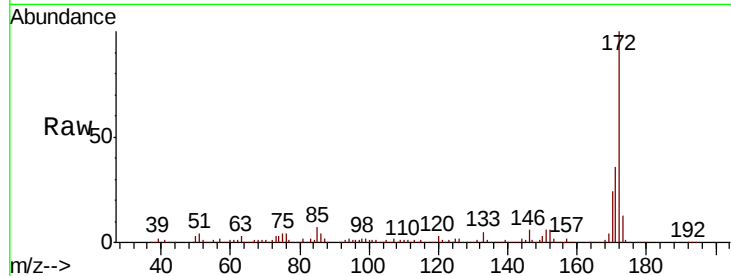




#45
2-Fluorobiphenyl
Concen: 82.202 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.2	19.7	29.5

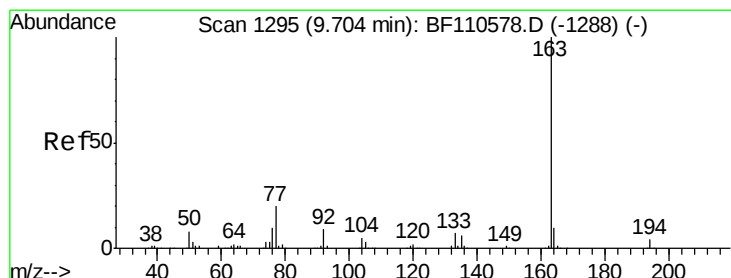
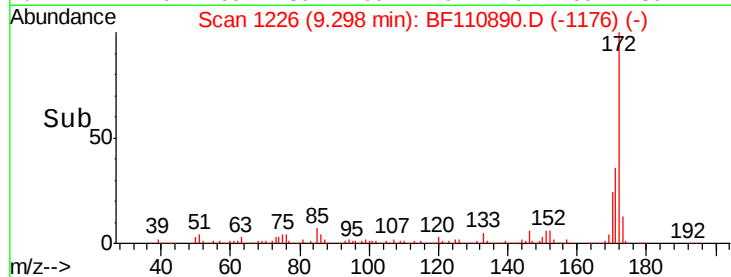
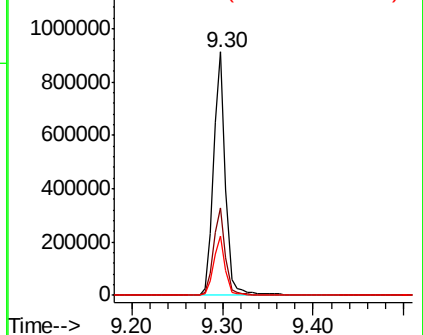


Abundance

Ion 172.00 (171.70 to 172.70): E

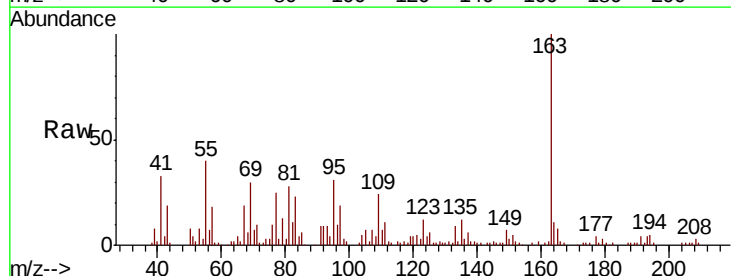
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.841 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.2	4.8#
164	11.3	8.1	12.1

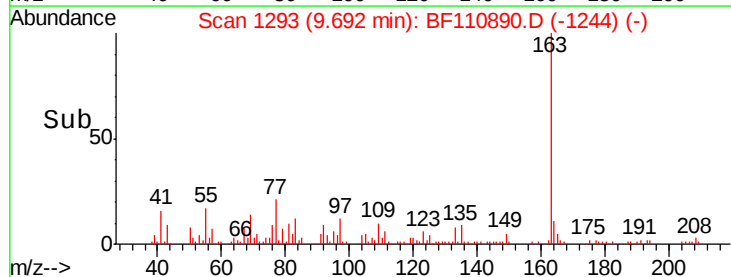
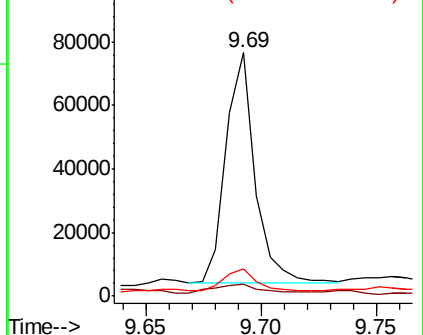


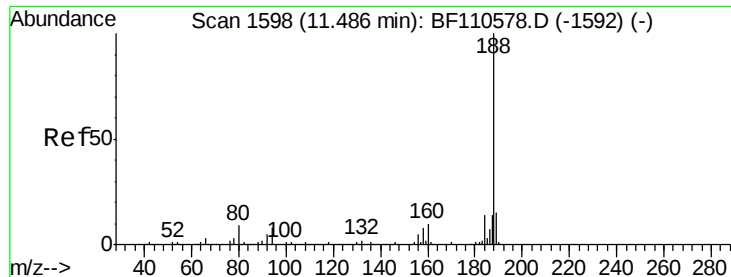
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

Instrument :

BNA_F

ClientSampled :

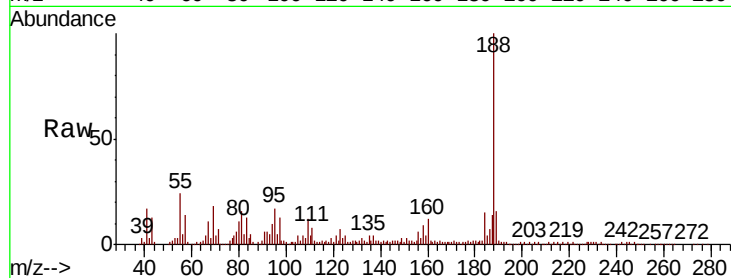
Tot Ion:188 Resp: 253313

Ion Ratio Lower Upper

188 100

94 10.0 7.2 10.8

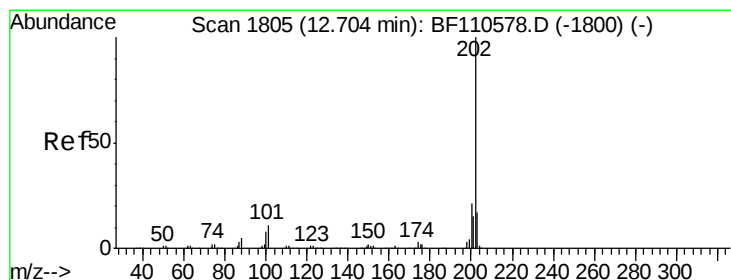
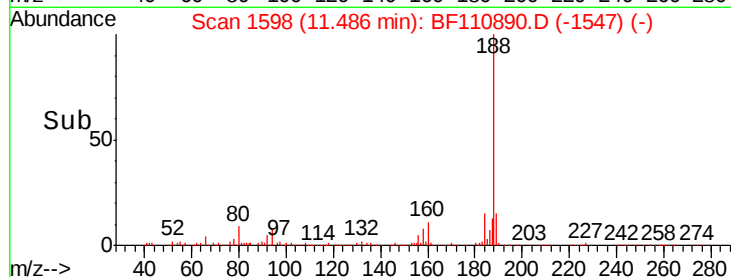
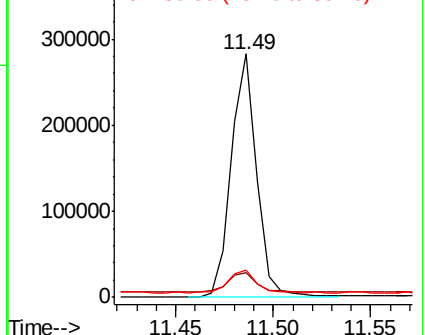
80 11.2 7.9 11.9



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



#75

Fluoranthene

Concen: 3.453 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

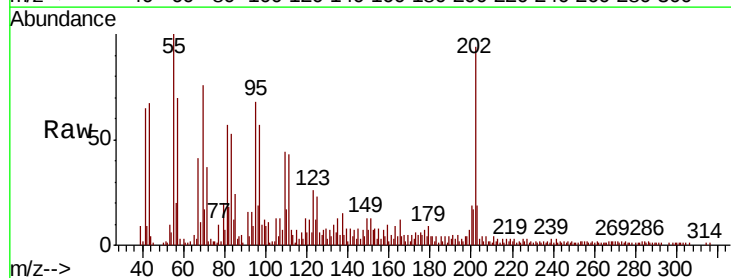
Tgt Ion:202 Resp: 46982

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

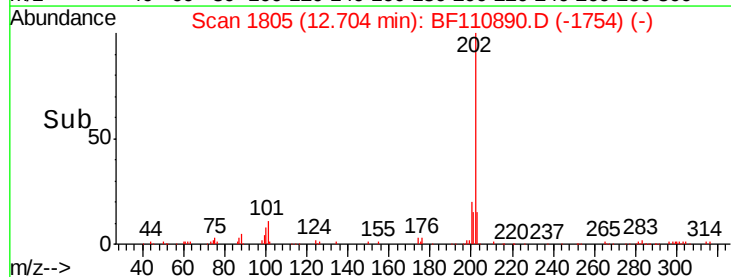
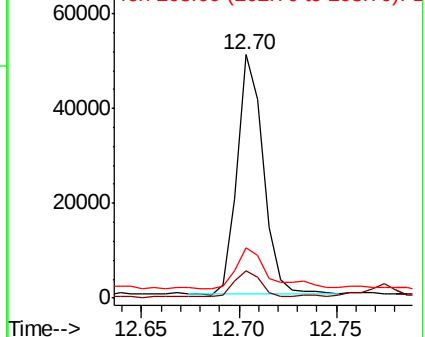
203 20.5 0.0 37.7

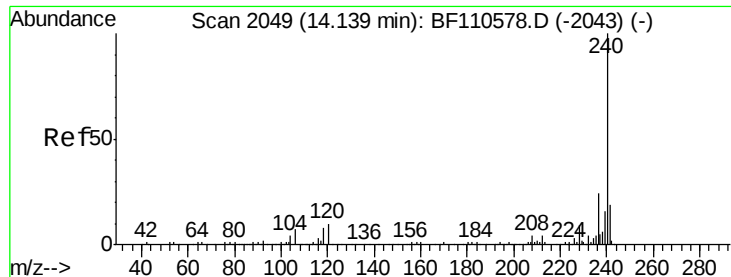


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

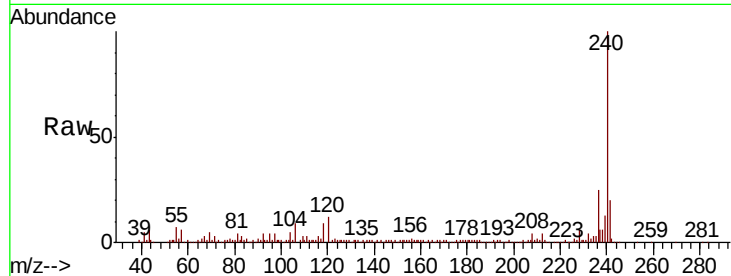




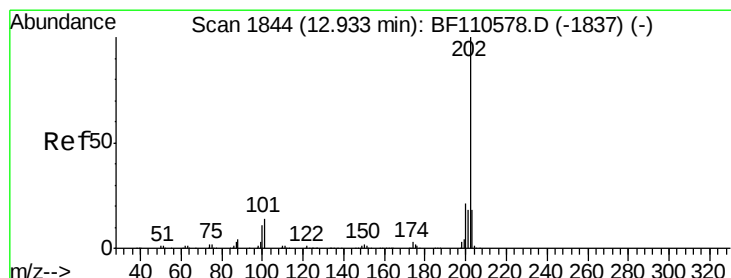
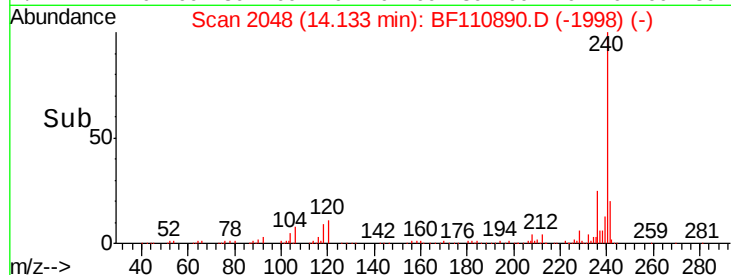
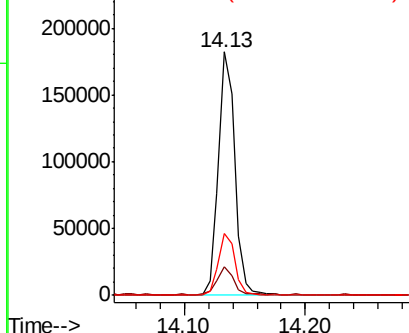
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF110890.D
 Acq: 20 Nov 2018 13:23

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.3	12.5
236	25.5	21.2	31.8

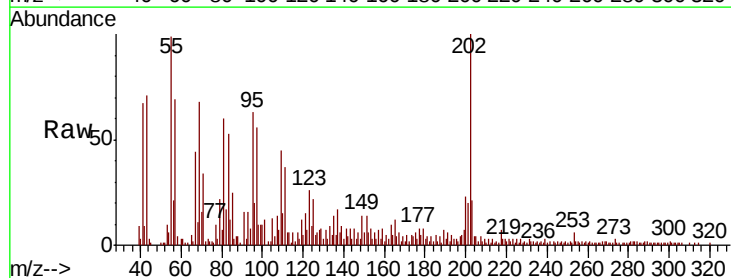


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

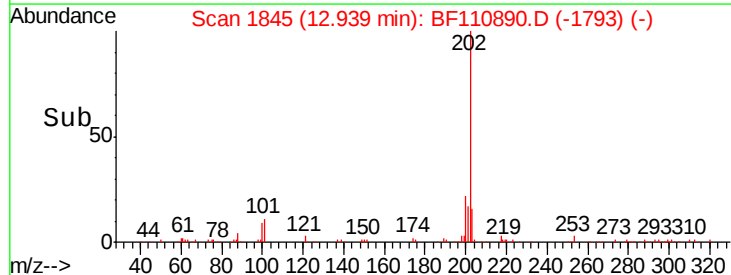
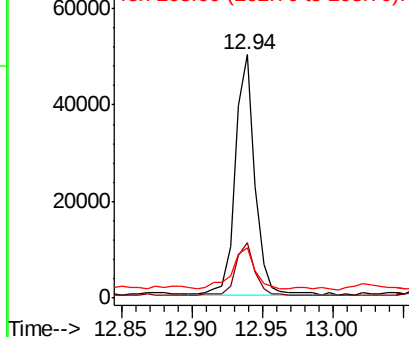


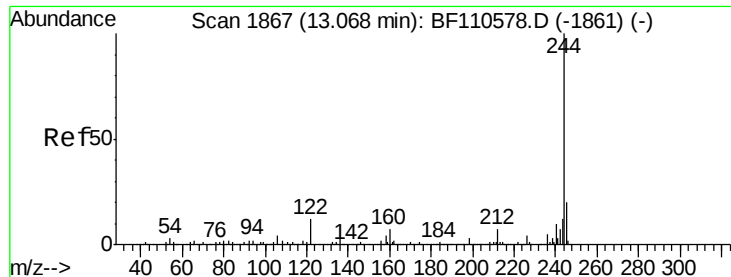
#78
 Pyrene
 Concen: 3.593 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: BF110890.D
 Acq: 20 Nov 2018 13:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.0	17.8	26.6
203	20.8	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





#79

Terphenyl-d14

Concen: 69.498 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

Instrument :

BNA_F

ClientSampled :

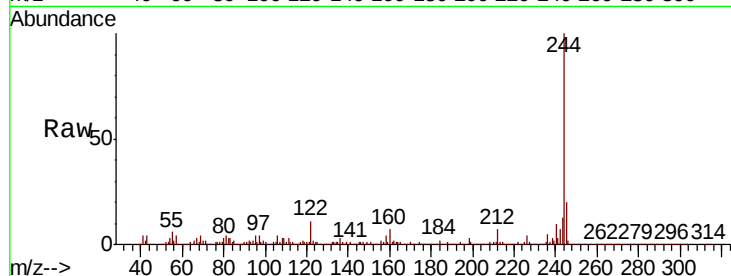
Tot Ion:244 Resp: 637953

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

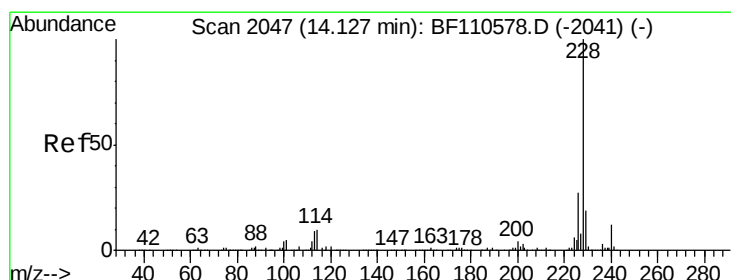
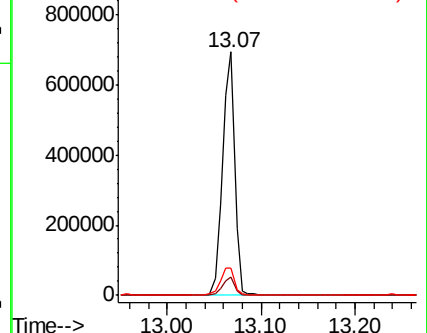
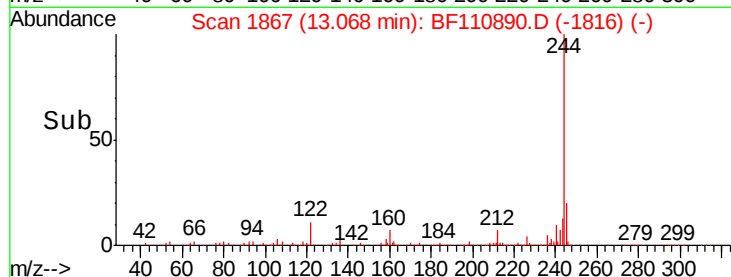
122 11.0 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 2.487 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

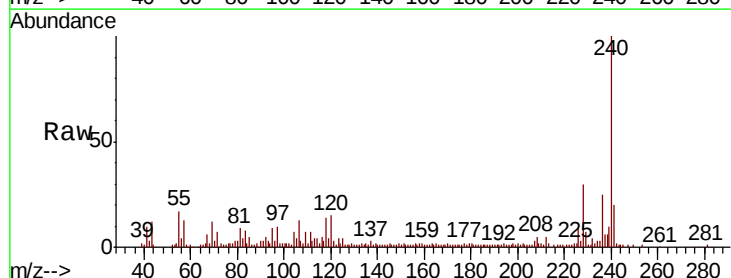
Tgt Ion:228 Resp: 25553

Ion Ratio Lower Upper

228 100

226 29.2 22.1 33.1

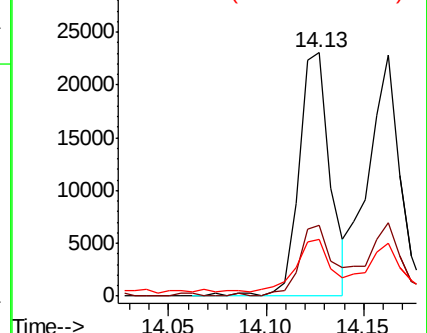
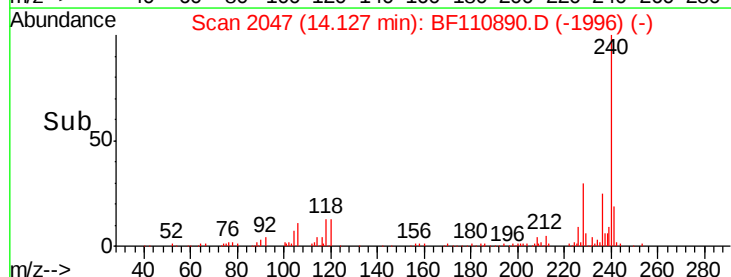
229 23.2 15.6 23.4

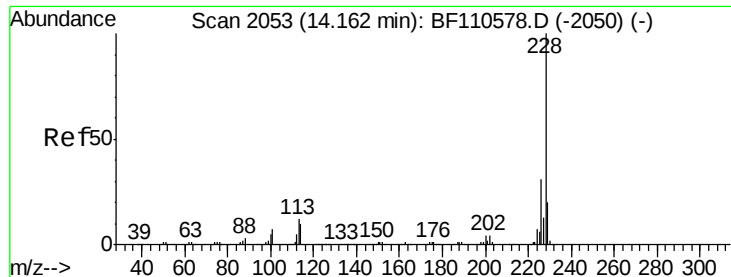


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.621 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

Instrument :

BNA_F

ClientSampleId :

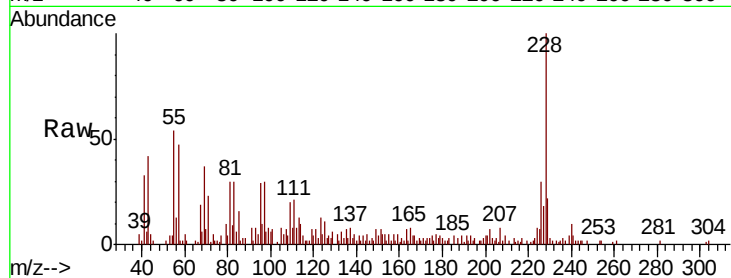
Tot Ion:228 Resp: 25655

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

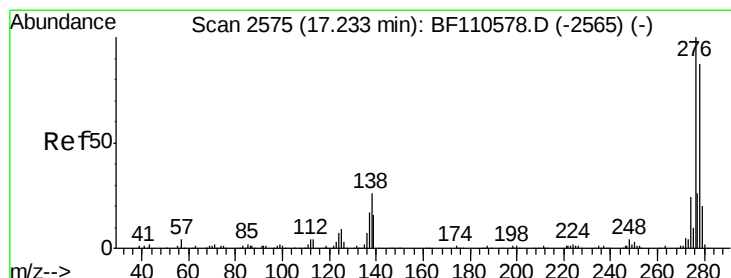
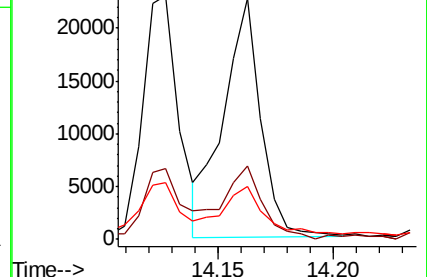
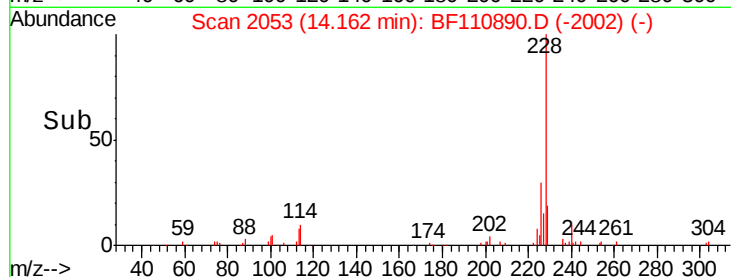
229 22.1 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.541 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.02 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

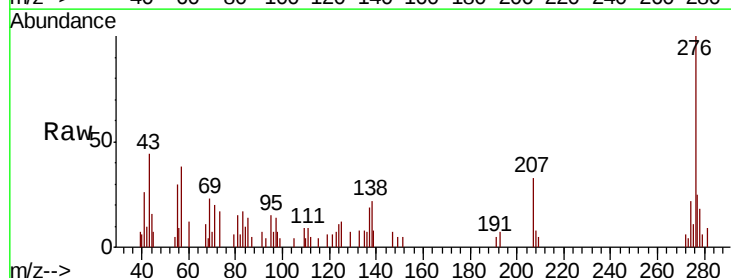
Tgt Ion:276 Resp: 17848

Ion Ratio Lower Upper

276 100

138 22.6 18.5 27.7

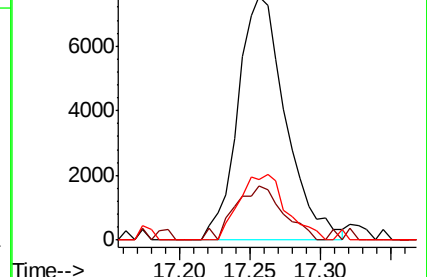
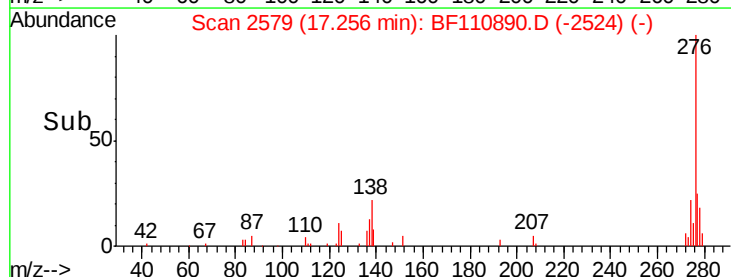
277 26.5 20.0 30.0

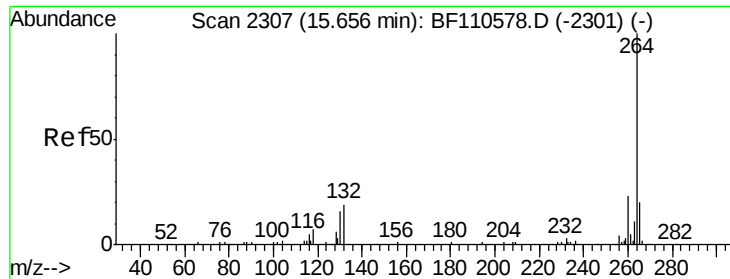


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



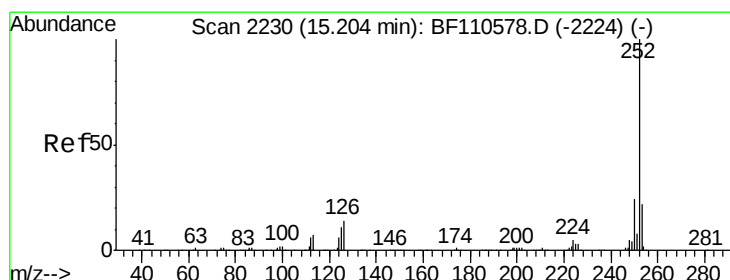
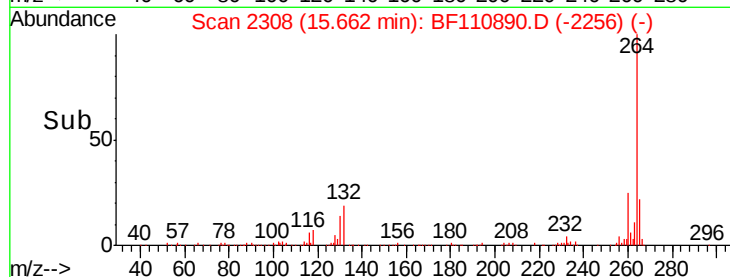
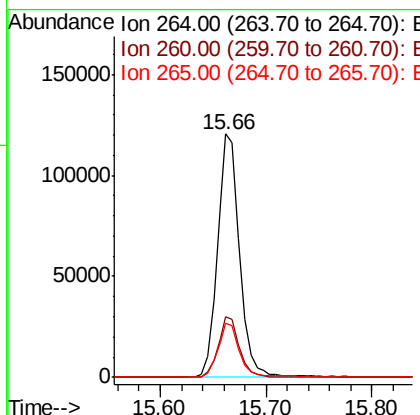
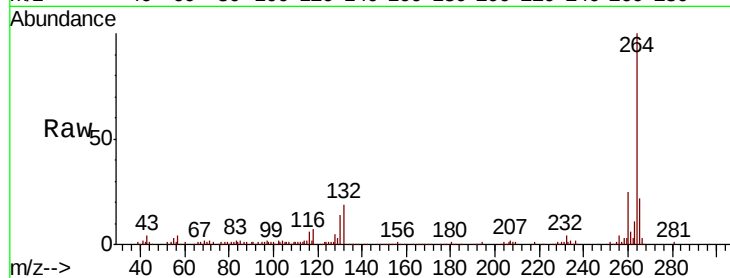


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 176059

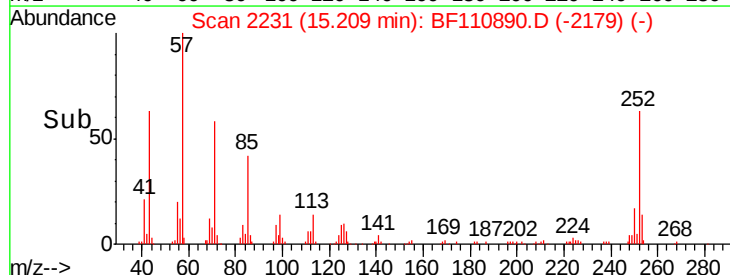
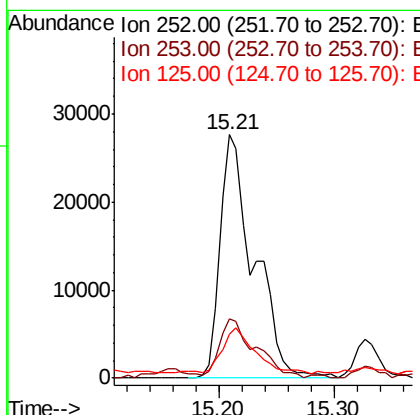
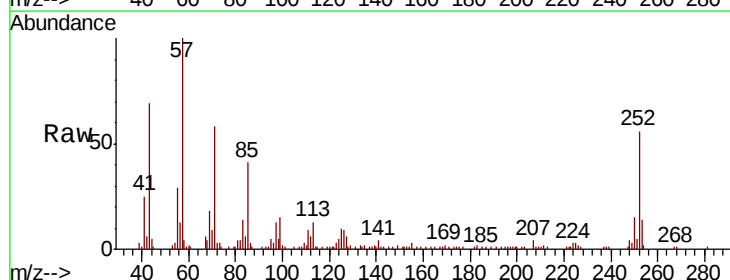
Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	22.3	16.7	25.1

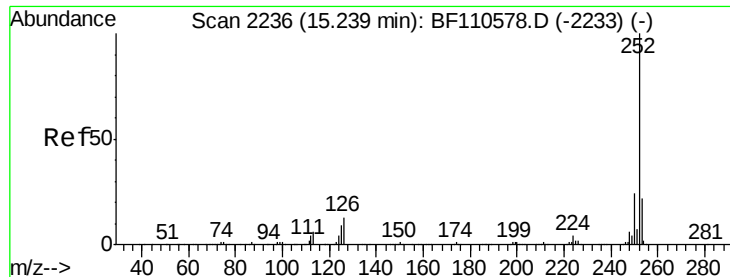


#88
Benzo(b)fluoranthene
Concen: 5.330 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Tgt Ion:252 Resp: 56134

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	17.8	8.2	12.4

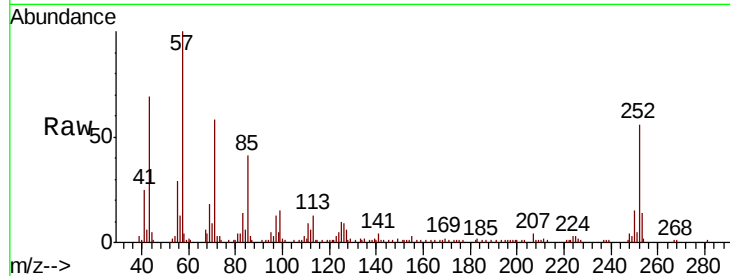




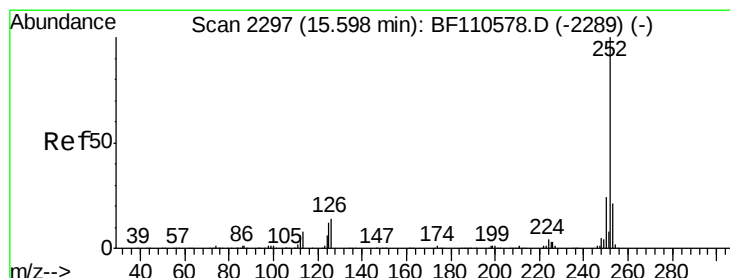
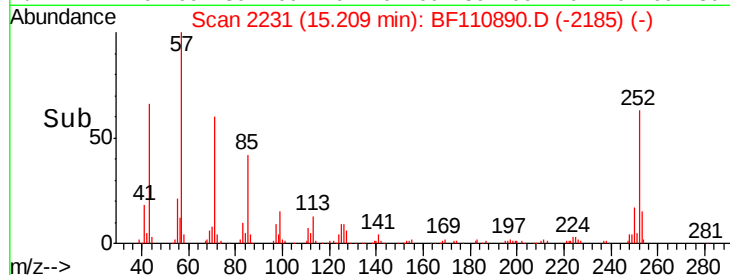
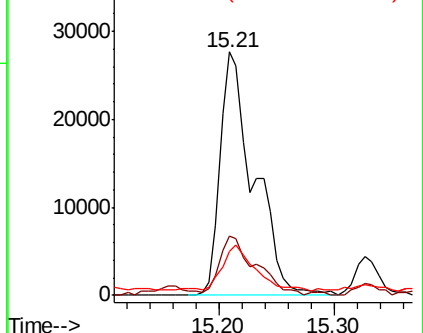
#89
Benzo(k)fluoranthene
Concen: 5.394 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 56134
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 17.8 7.4 11.0#

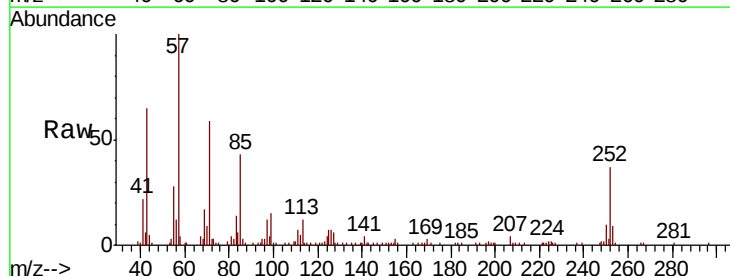


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

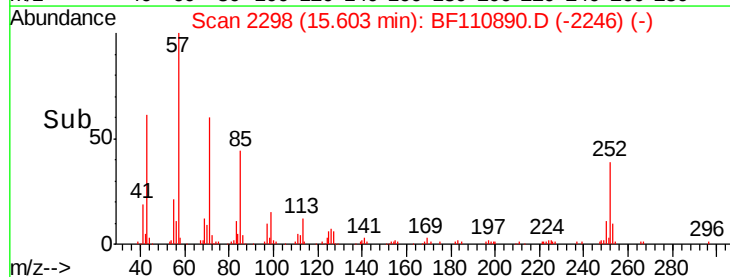
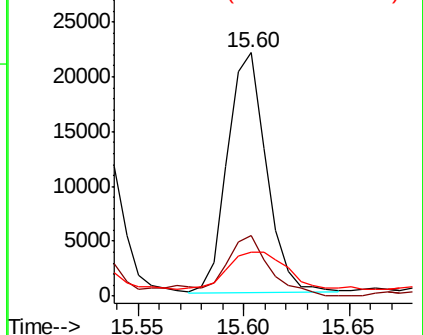


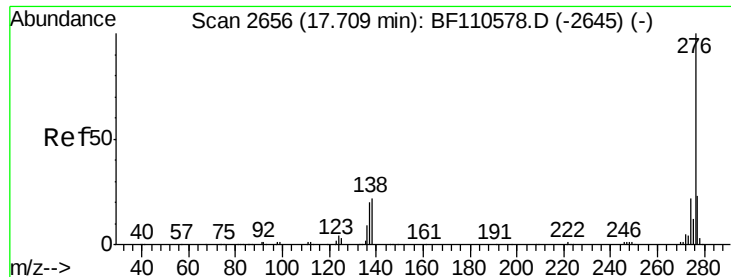
#90
Benzo(a)pyrene
Concen: 2.900 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110890.D
Acq: 20 Nov 2018 13:23

Tgt Ion:252 Resp: 27751
Ion Ratio Lower Upper
252 100
253 25.1 18.2 27.4
125 18.3 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





#92

Benzo(a,h,i)perylene

Concen: 2.034 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.03 min

Lab File: BF110890.D

Acq: 20 Nov 2018 13:23

Instrument :

BNA_F

ClientSampleId :

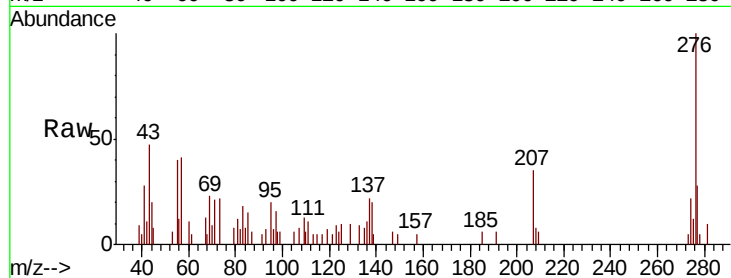
Tot Ion:276 Resp: 16344

Ion Ratio Lower Upper

276 100

277 27.7 18.8 28.2

138 20.5 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

