

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110182.D
 Acq On : 26 Oct 2018 1:13
 Operator : JU/SJ
 Sample : J5200-15 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 06:40:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

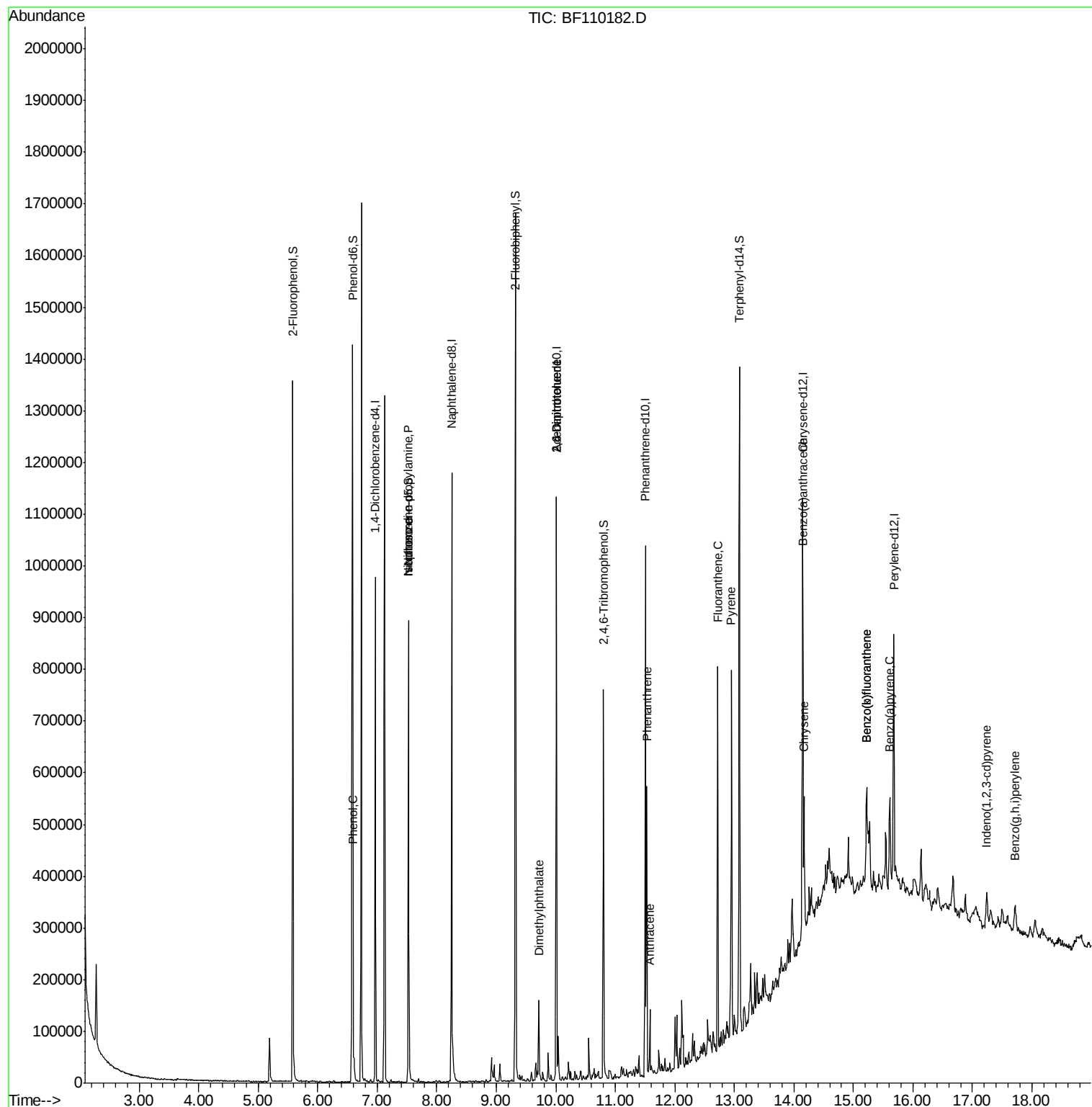
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	138454	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	517193	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	203007	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	347575	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	245636	20.00	ng	-0.01
87) Perylene-d12	15.68	264	186486	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	387125	45.53	ng	-0.01
7) Phenol-d6	6.59	99	476202	43.79	ng	-0.02
23) Nitrobenzene-d5	7.53	82	273858	31.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	79364	39.47	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	484103	37.45	ng	-0.02
79) Terphenyl-d14	13.09	244	392317	33.22	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.59	77	922	Below Cal		Qvalue
10) Phenol	6.60	94	27721	2.385	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	34541	4.951	ng	# 62
25) Isophorone	7.53	82	273898	18.427	ng	# 81
50) Dimethylphthalate	9.72	163	61254	4.088	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	26742	8.285	ng	# 99
57) 2,4-Dinitrotoluene	10.01	165	26742	6.522	ng	# 23
71) Phenanthrene	11.53	178	186617	10.261	ng	# 20
72) Anthracene	11.58	178	52106	2.858	ng	# 98
75) Fluoranthene	12.72	202	280348	15.189	ng	# 99
78) Pyrene	12.95	202	255615	14.515	ng	# 97
81) Benzo(a)anthracene	14.14	228	109618	7.525	ng	# 99
83) Chrysene	14.17	228	96416	6.969	ng	# 95
86) Indeno(1,2,3-cd)pyrene	17.24	276	42594	3.711	ng	# 96
88) Benzo(b)fluoranthene	15.22	252	138523	12.863	ng	# 99
89) Benzo(k)fluoranthene	15.22	252	138523	13.084	ng	# 91
90) Benzo(a)pyrene	15.61	252	73015	7.368	ng	# 90
92) Benzo(g,h,i)perylene	17.72	276	44497	5.281	ng	# 96

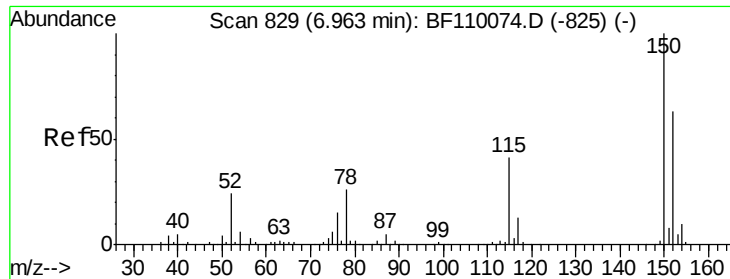
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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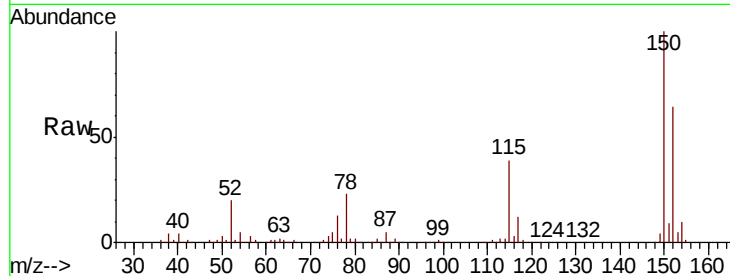


#1

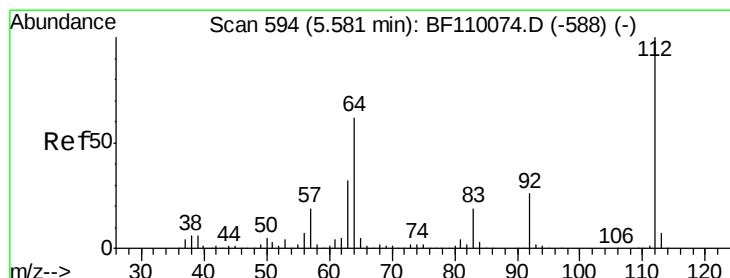
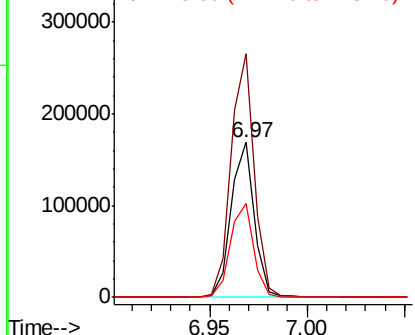
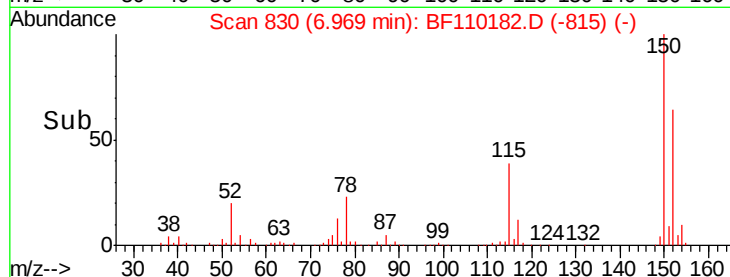
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138454
Ion Ratio Lower Upper
152 100
150 157.3 122.7 184.1
115 61.0 49.1 73.7



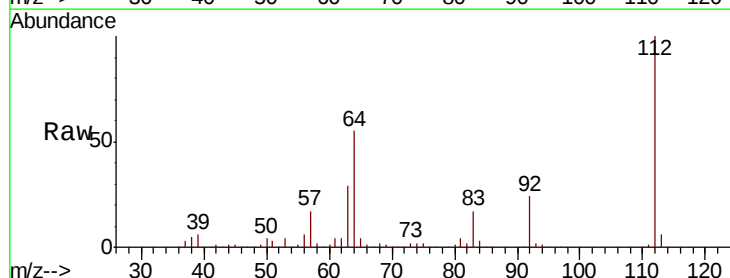
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



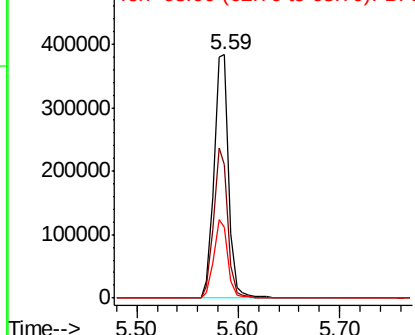
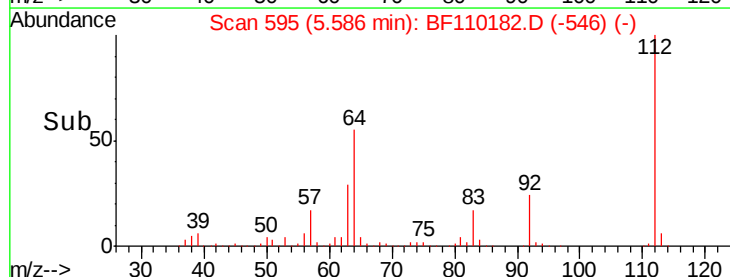
#5

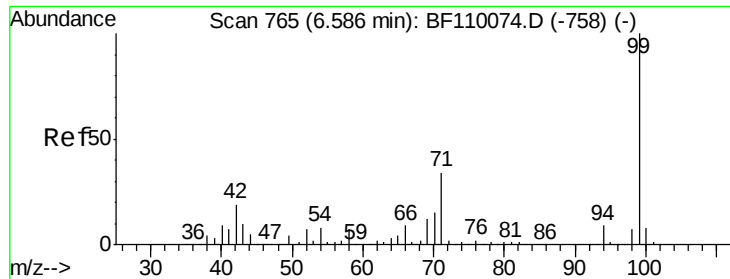
2-Fluorophenol
Concen: 45.532 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Tgt Ion:112 Resp: 387125
Ion Ratio Lower Upper
112 100
64 55.1 44.1 66.1
63 28.9 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: 43.789 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

Instrument :

BNA_F

ClientSampleId :

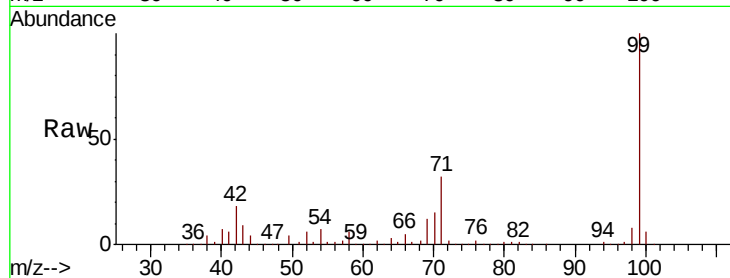
Tot Ion: 99 Resp: 476202

Ion Ratio Lower Upper

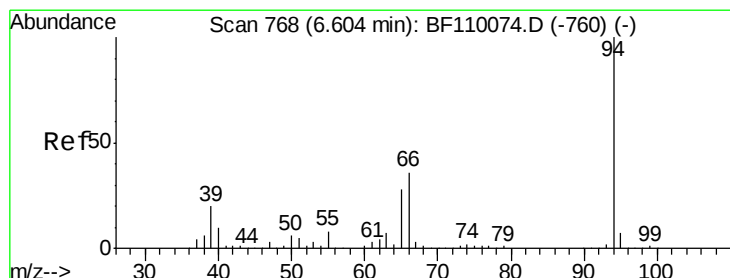
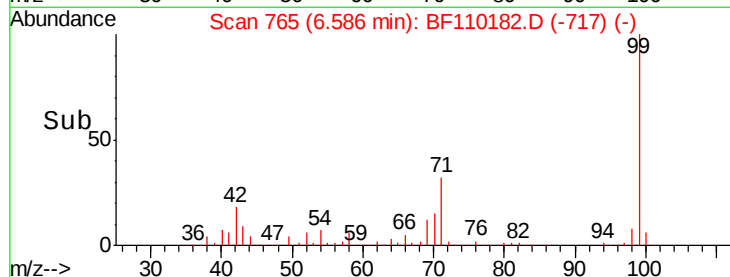
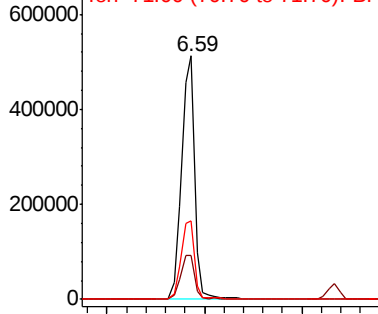
99 100

42 18.1 15.8 23.6

71 32.4 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: 2.385 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

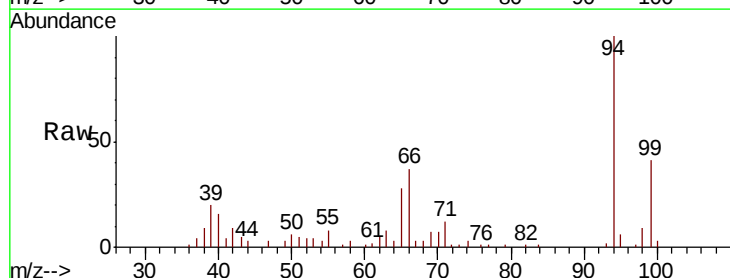
Tgt Ion: 94 Resp: 27721

Ion Ratio Lower Upper

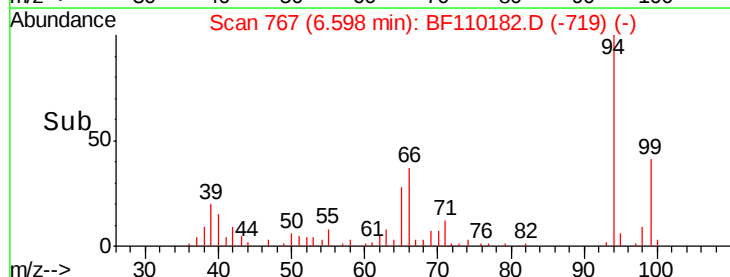
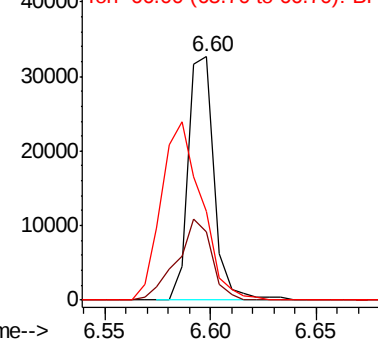
94 100

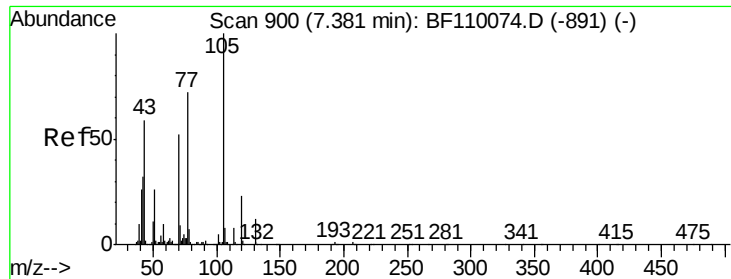
65 27.8 25.3 65.3

66 36.7 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

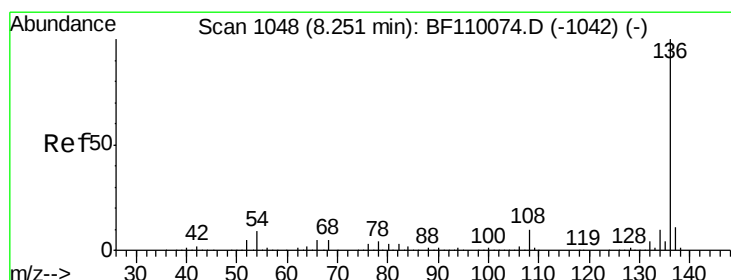
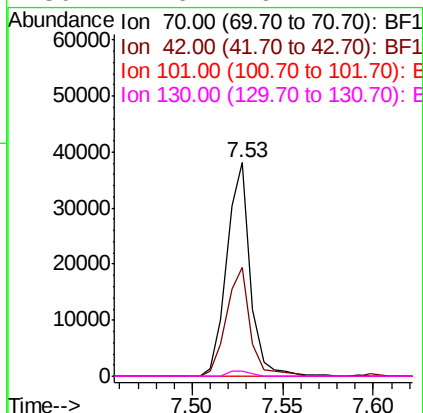
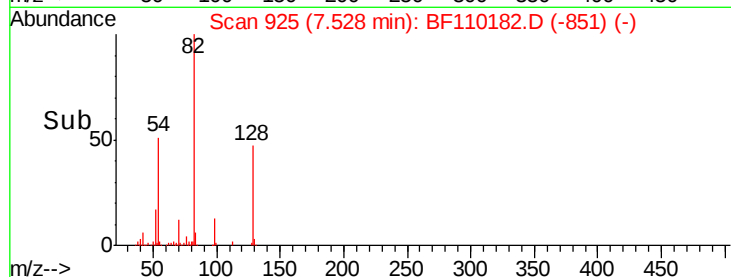
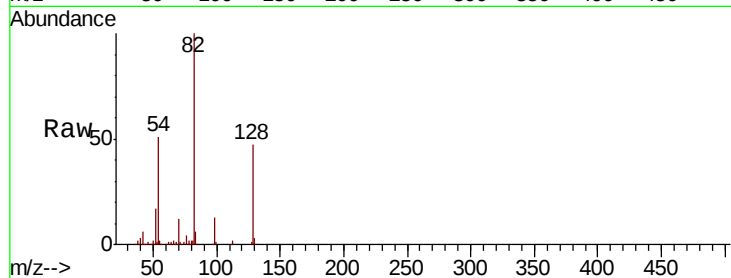




#19
n-Nitroso-di-n-propylamine
Concen: 4.951 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.13 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

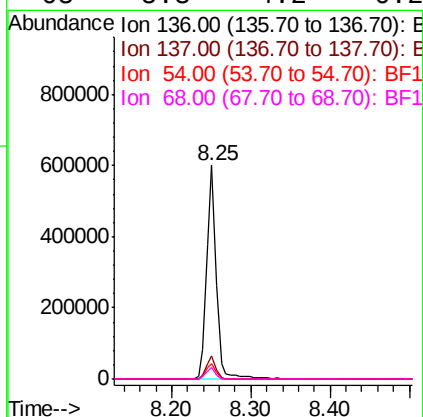
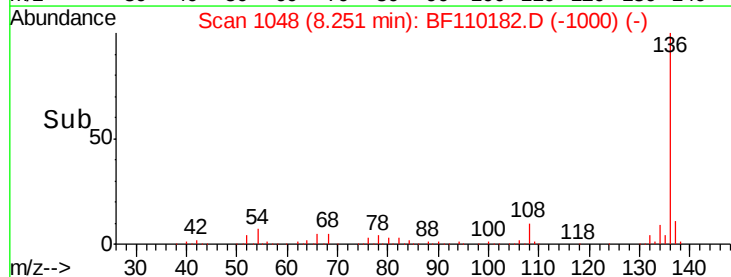
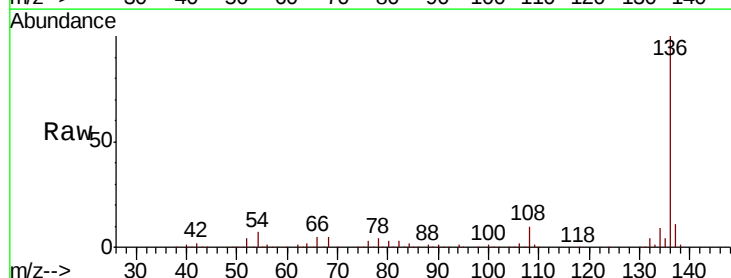
Instrument :
BNA_F
ClientSampleId :

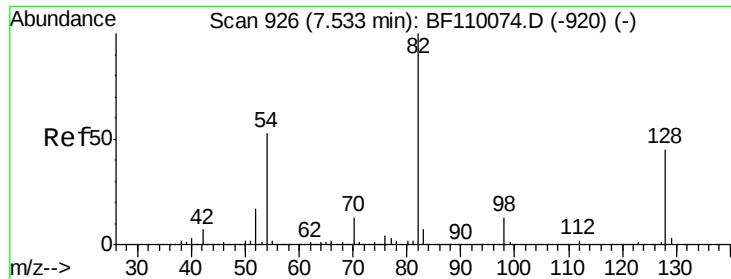
Tot Ion: 70 Resp: 34541
Ion Ratio Lower Upper
70 100
42 51.0 47.4 71.2
101 0.0 7.3 10.9#
130 2.6 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Tgt Ion: 136 Resp: 517193
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.4 5.4 8.2
68 5.3 4.2 6.2

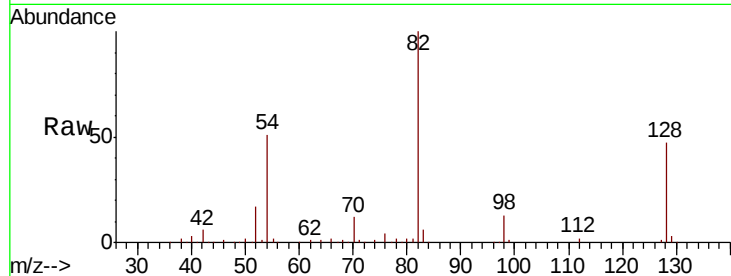




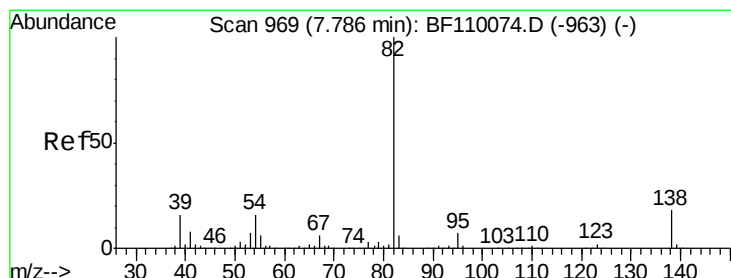
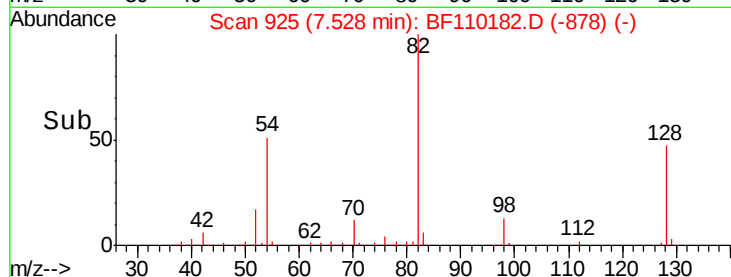
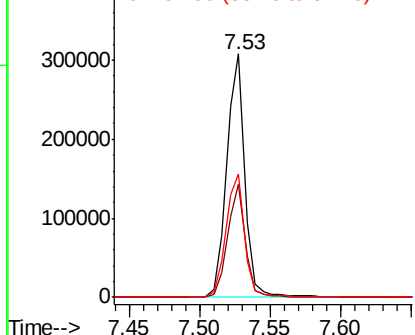
#23
Nitrobenzene-d5
Concen: 31.407 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	273858
Ion Ratio	100	Lower	Upper
128	46.5	34.2	51.2
54	50.6	38.6	58.0

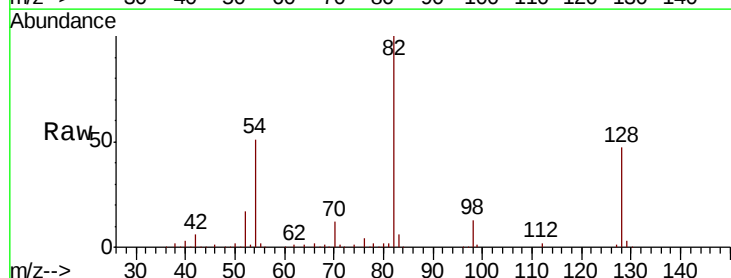


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

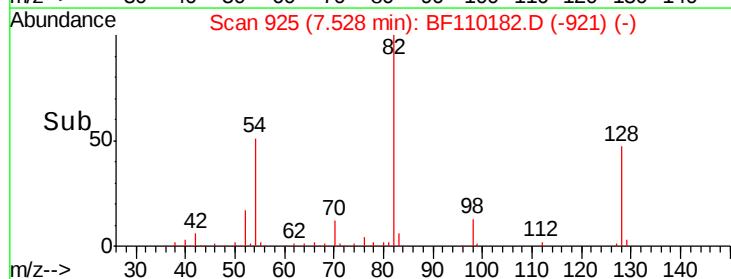
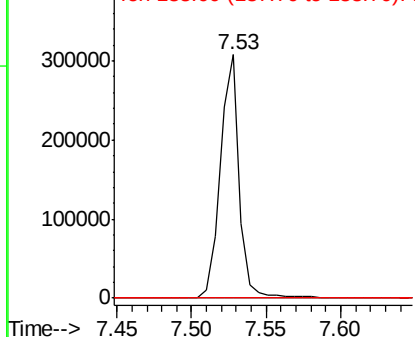


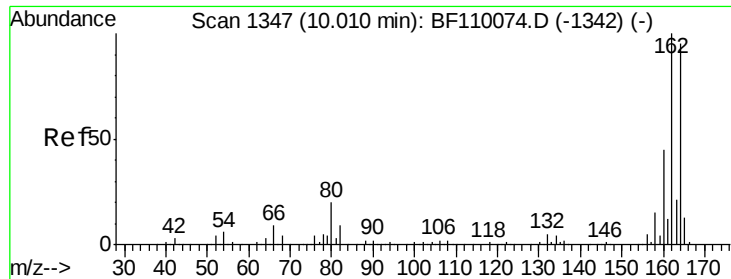
#25
Isophorone
Concen: 18.427 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Tgt Ion	82	Resp	273898
Ion Ratio	100	Lower	Upper
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: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

Instrument :

BNA_F

ClientSampleId :

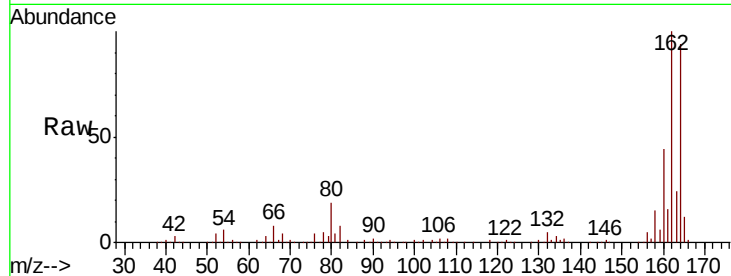
Tot Ion:164 Resp: 203007

Ion Ratio Lower Upper

164 100

162 106.0 83.0 124.6

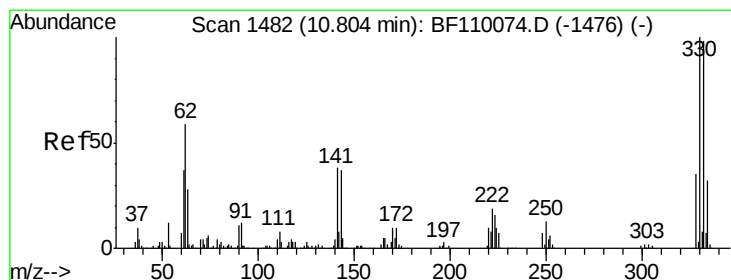
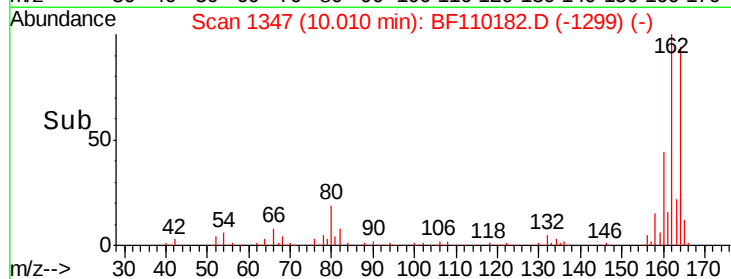
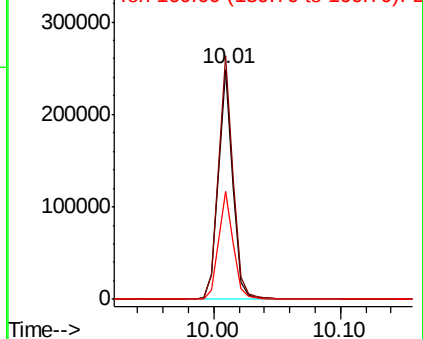
160 47.1 37.0 55.6



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: 39.467 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

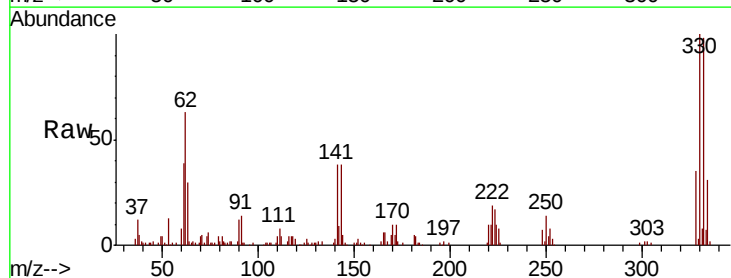
Tgt Ion:330 Resp: 79364

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

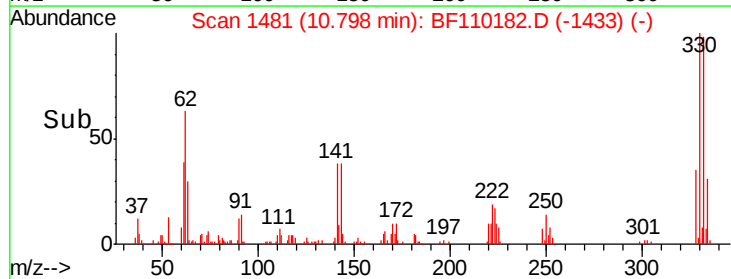
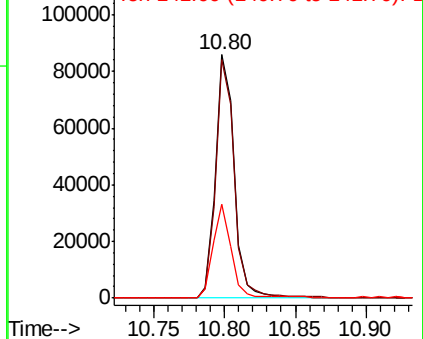
141 38.0 27.0 40.4

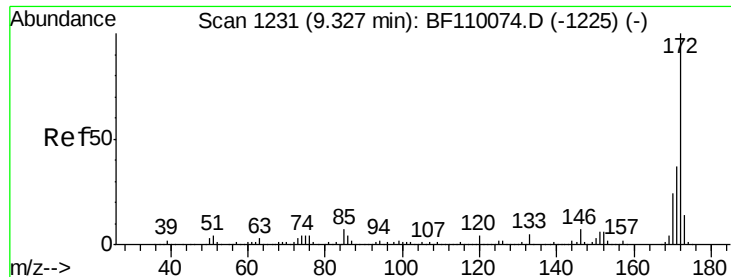


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

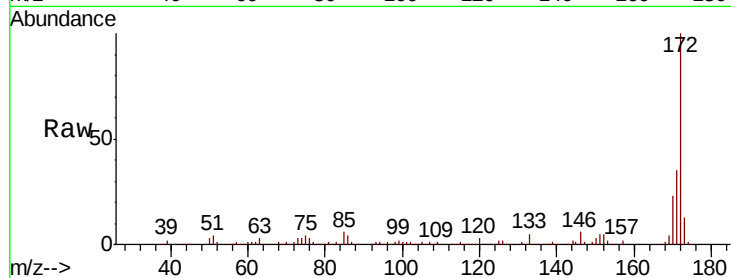




#45
2-Fluorobiphenyl
Concen: 37.445 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.2	19.7	29.5

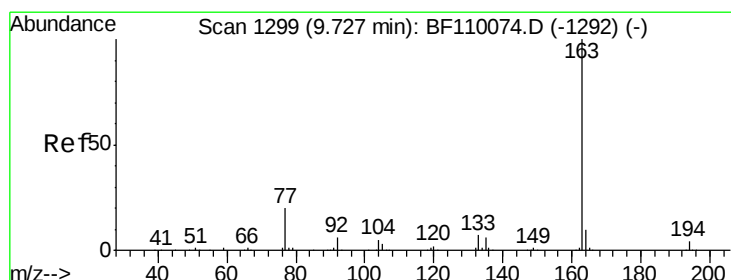
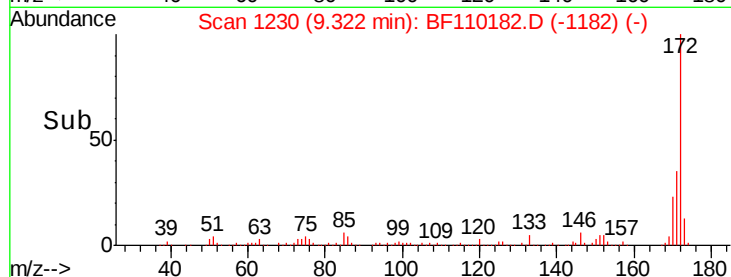
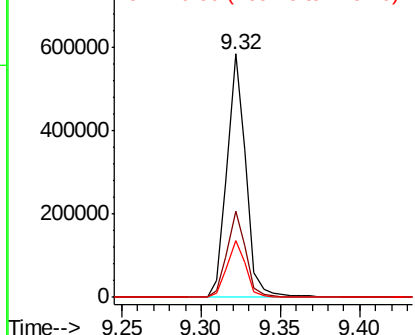


Abundance

Ion 172.00 (171.70 to 172.70): E

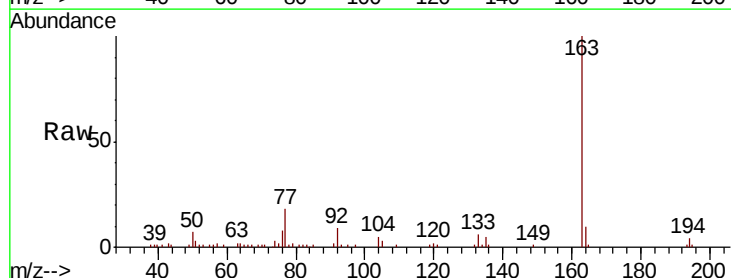
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.088 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.8	8.1	12.1

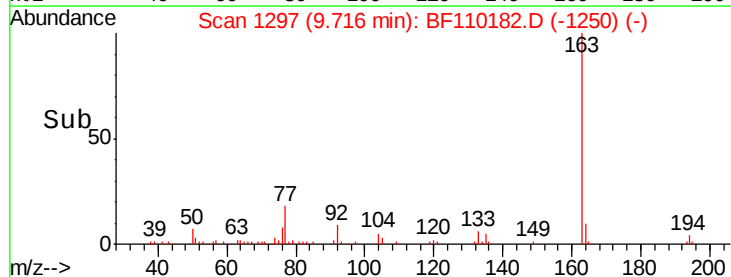
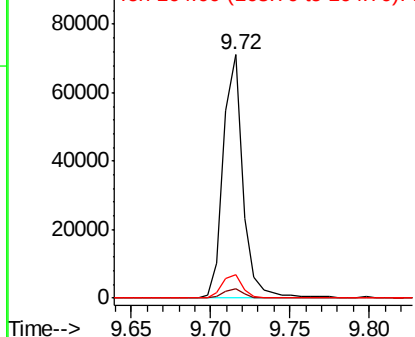


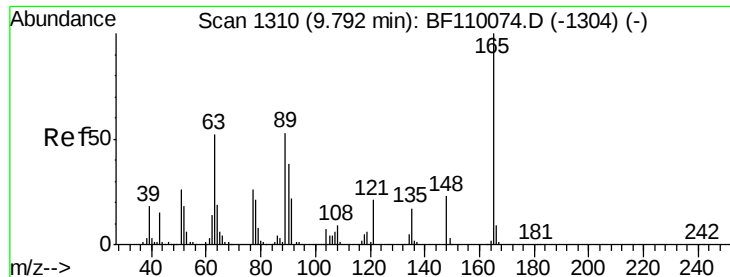
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.285 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

Instrument :

BNA_F

ClientSampleId :

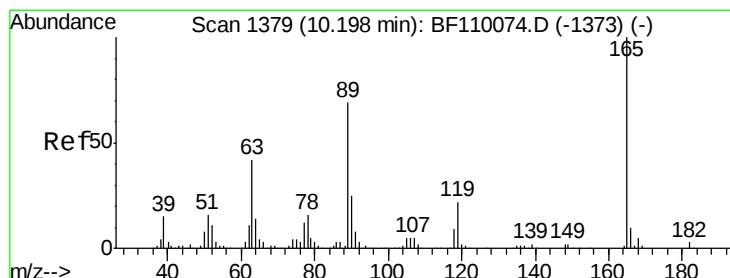
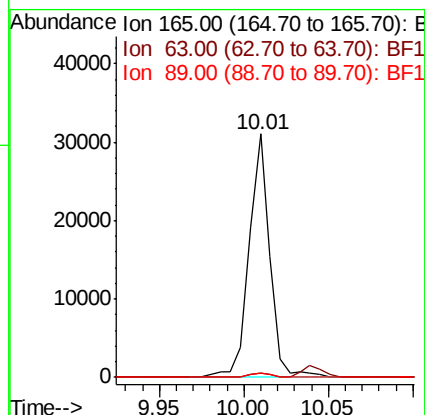
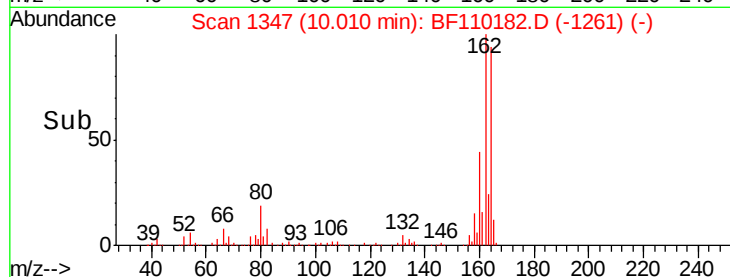
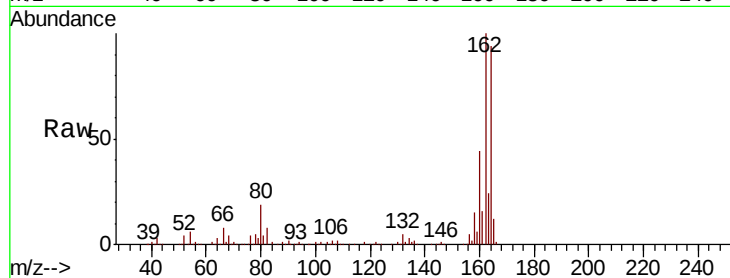
Tot Ion:165 Resp: 26742

Ion Ratio Lower Upper

165 100

63 1.9 48.9 73.3#

89 1.8 46.6 69.8#



#57

2,4-Dinitrotoluene

Concen: 6.522 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

Tgt Ion:165 Resp: 26742

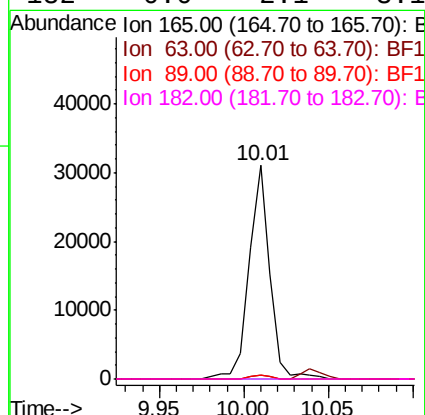
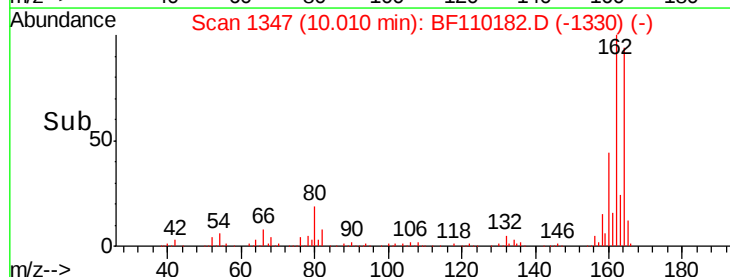
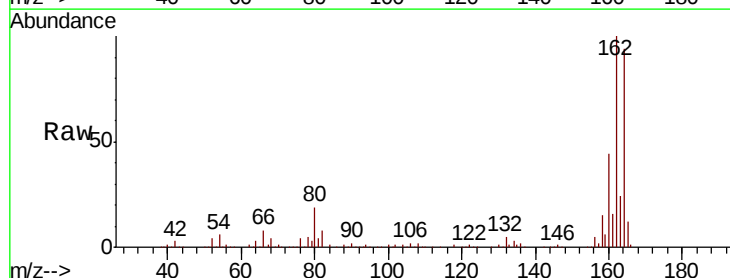
Ion Ratio Lower Upper

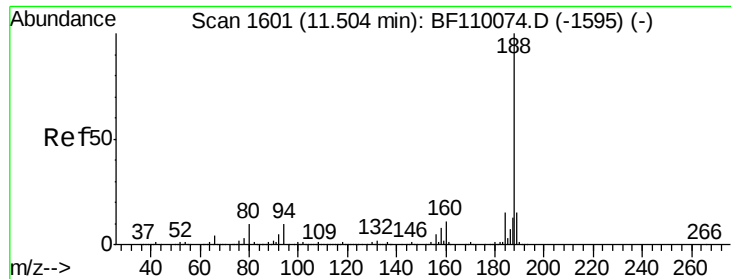
165 100

63 1.9 44.8 67.2#

89 1.8 62.2 93.4#

182 0.0 2.1 3.1#

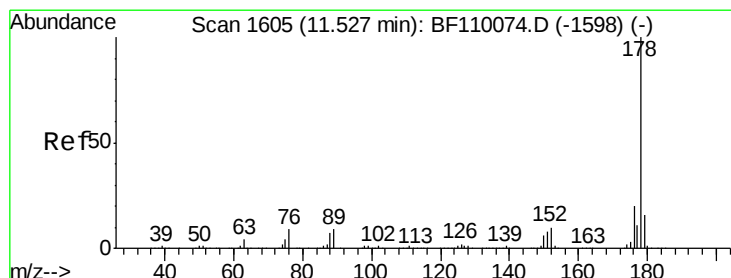
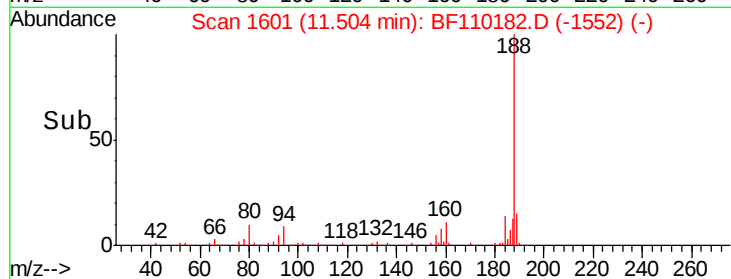
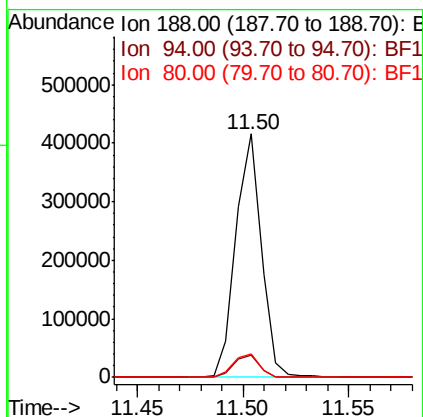
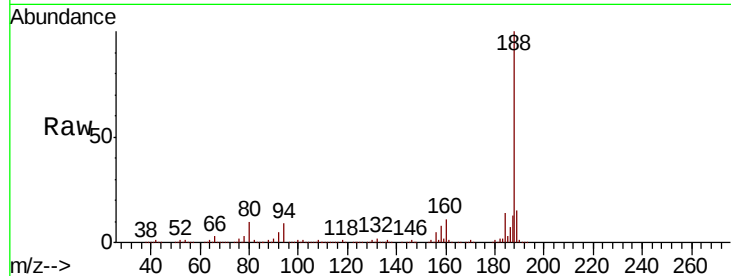




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110182.D
 Acq: 26 Oct 2018 1:13

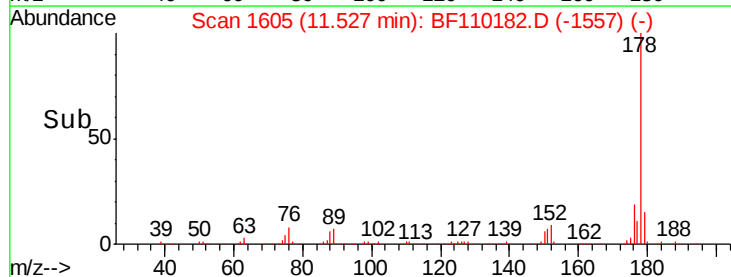
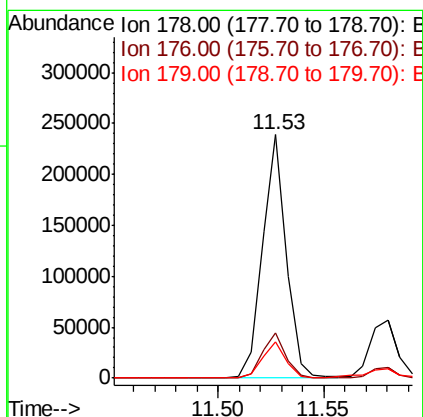
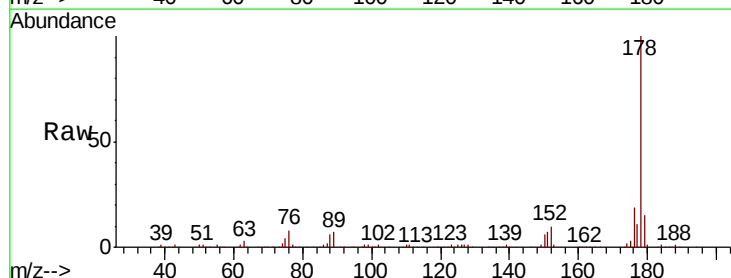
Instrument :
 BNA_F
 ClientSampled :

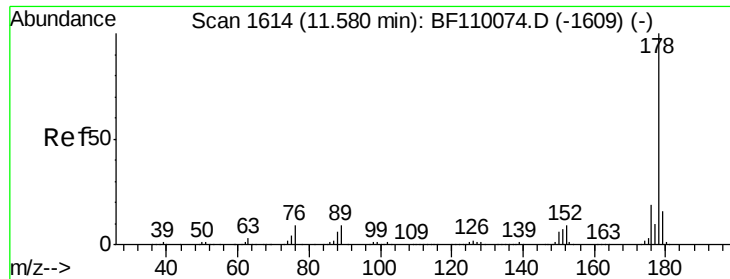
Tot Ion:188 Resp: 347575
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.2 10.8
 80 9.7 7.9 11.9



#71
 Phenanthrene
 Concen: 10.261 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BF110182.D
 Acq: 26 Oct 2018 1:13

Tgt Ion:178 Resp: 186617
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 14.9 12.5 18.7

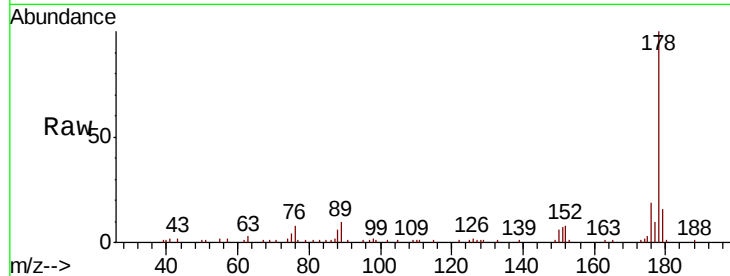




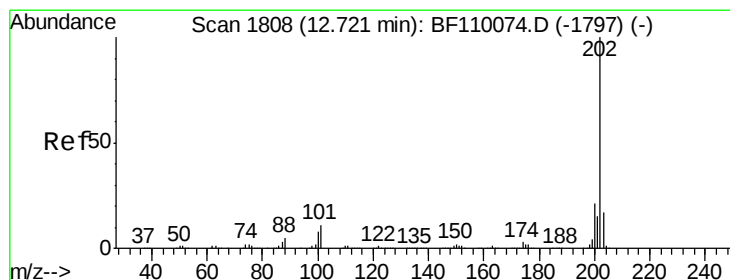
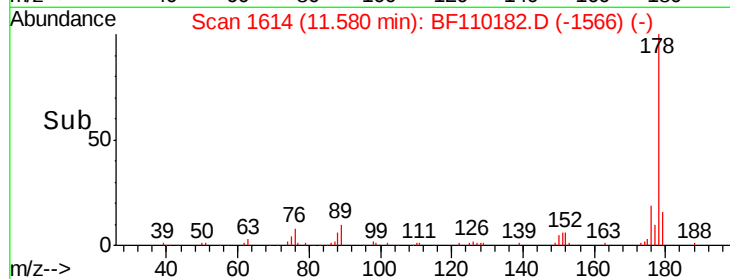
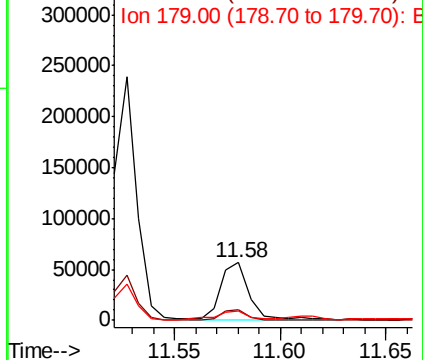
#72
 Anthracene
 Concen: 2.858 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.02 min
 Lab File: BF110182.D
 Acq: 26 Oct 2018 1:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 52106
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 16.2 12.6 18.8

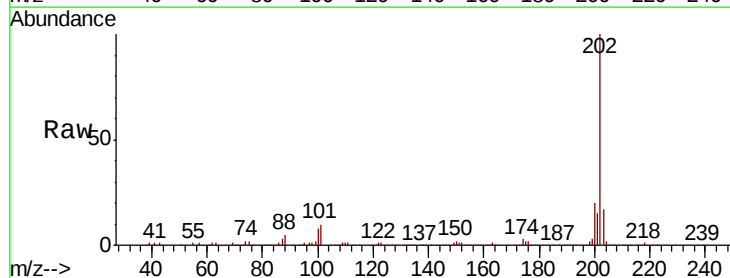


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

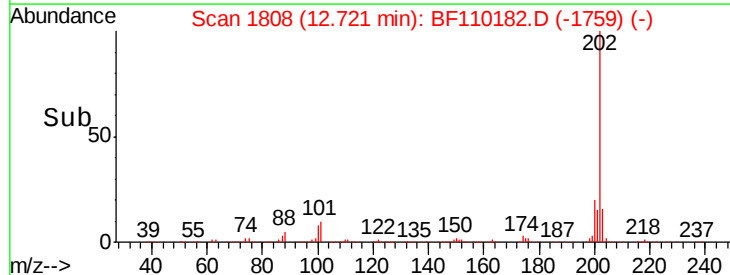
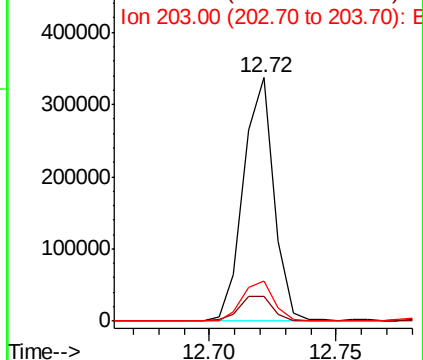


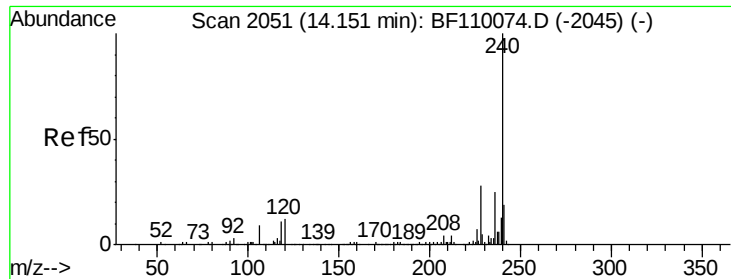
#75
 Fluoranthene
 Concen: 15.189 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110182.D
 Acq: 26 Oct 2018 1:13

Tgt Ion:202 Resp: 280348
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.4
 203 16.7 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

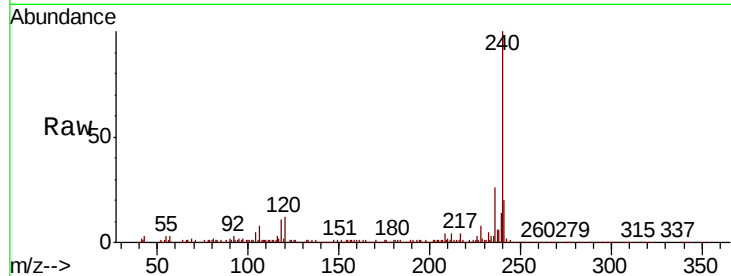




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.3	12.5
236	26.0	21.2	31.8

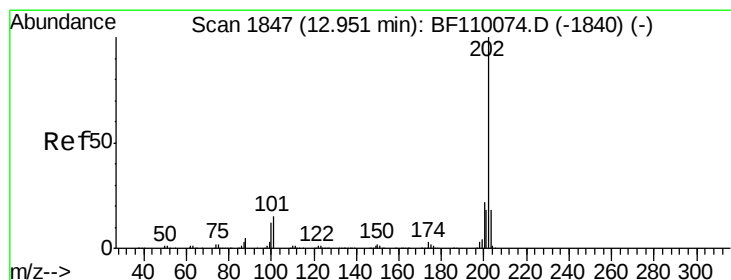
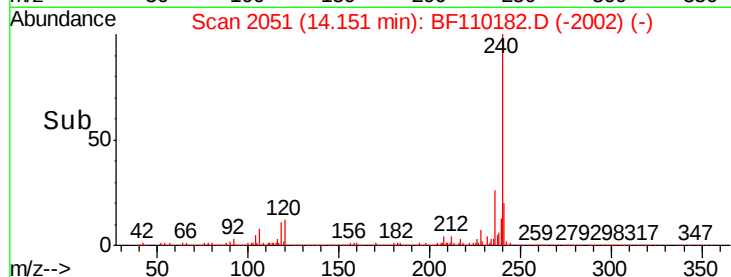
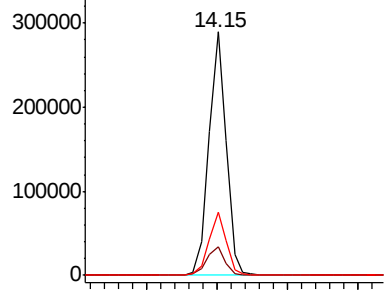


Abundance

Ion 240.00 (239.70 to 240.70): E

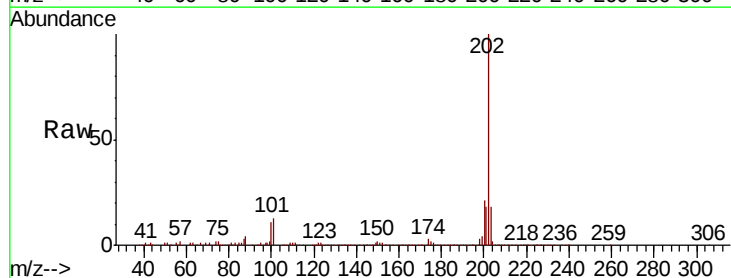
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 14.515 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	18.0	14.2	21.4

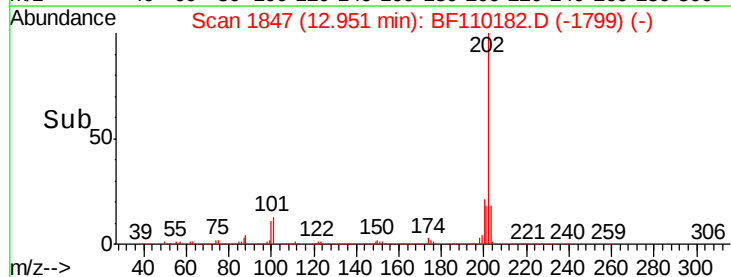
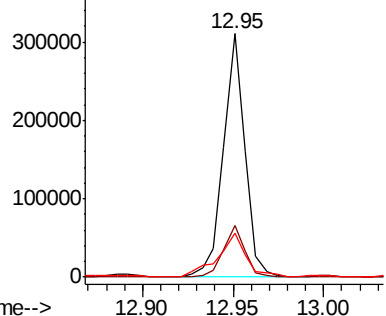


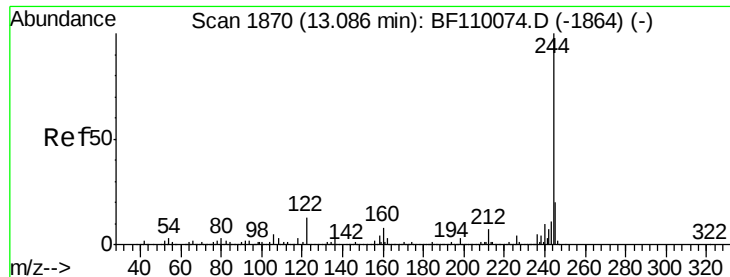
Abundance

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: 33.216 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

Instrument :

BNA_F

ClientSampleId :

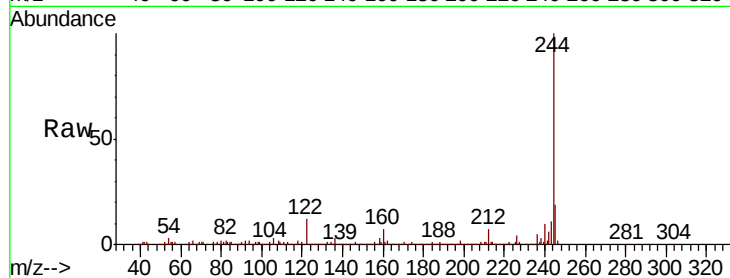
Tot Ion:244 Resp: 392317

Ion Ratio Lower Upper

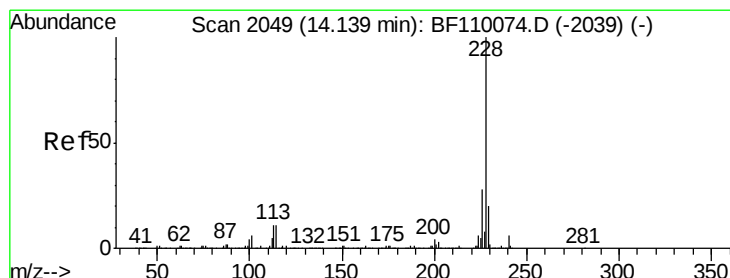
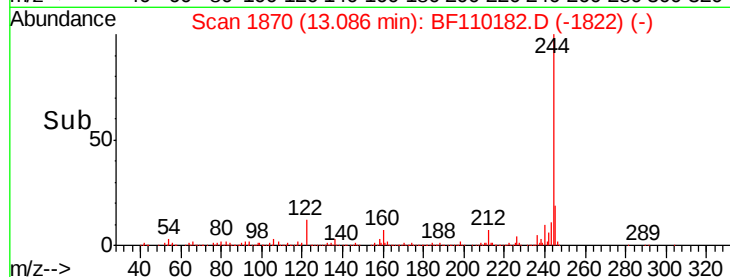
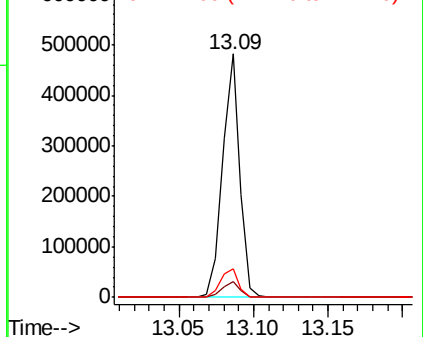
244 100

212 6.6 5.8 8.8

122 11.7 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: 7.525 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

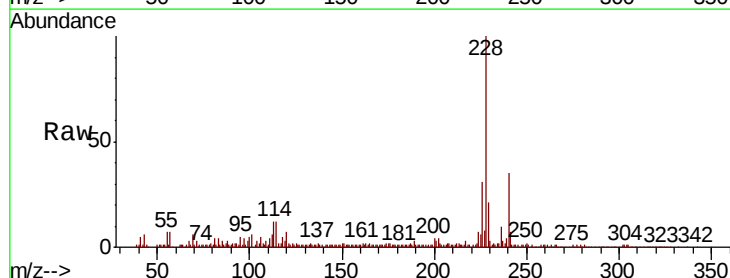
Tgt Ion:228 Resp: 109618

Ion Ratio Lower Upper

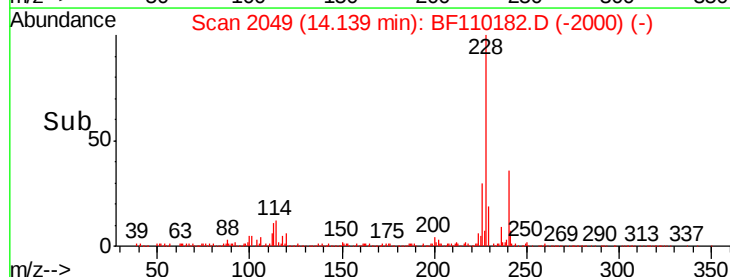
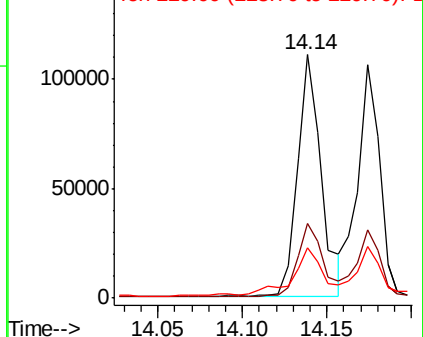
228 100

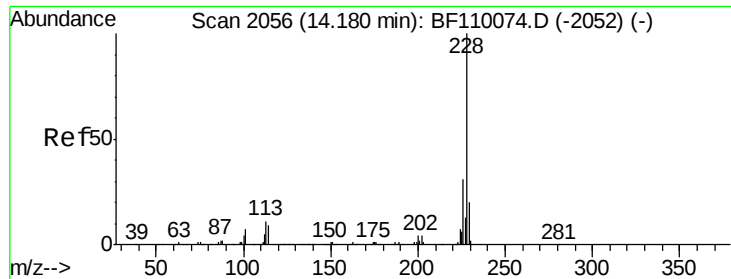
226 30.5 22.1 33.1

229 20.8 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: 6.969 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

Instrument :

BNA_F

ClientSampled :

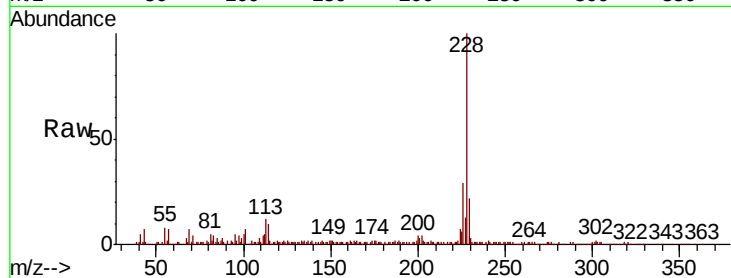
Tot Ion:228 Resp: 96416

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

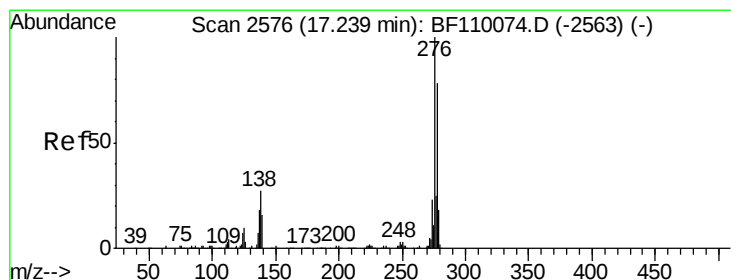
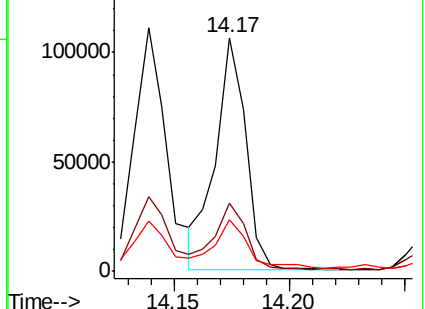
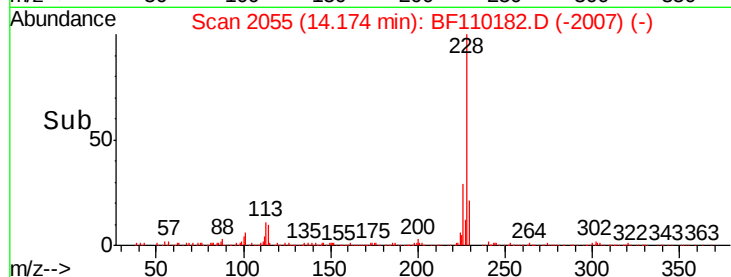
229 22.3 15.9 23.9



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: 3.711 ng

RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

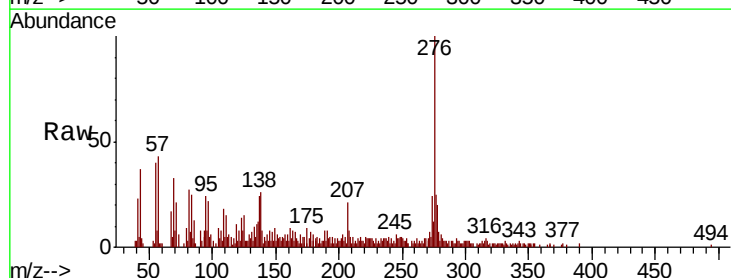
Tgt Ion:276 Resp: 42594

Ion Ratio Lower Upper

276 100

138 23.8 18.5 27.7

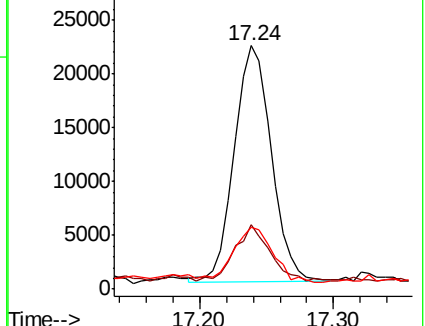
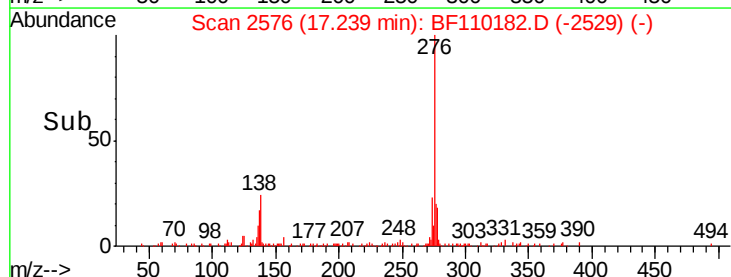
277 25.5 20.0 30.0

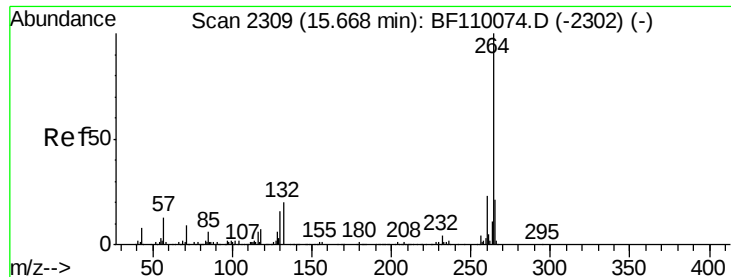


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

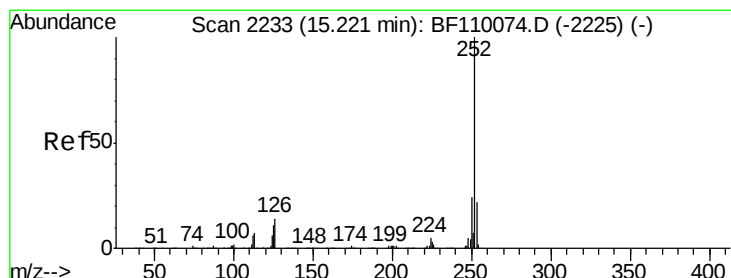
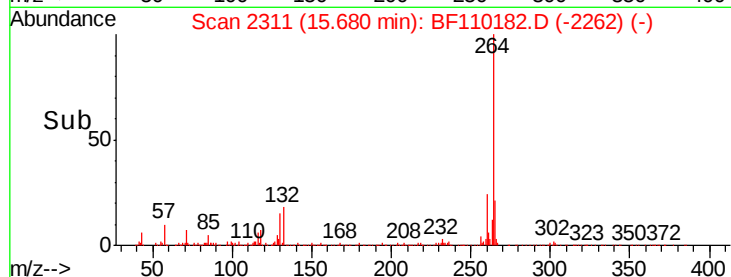
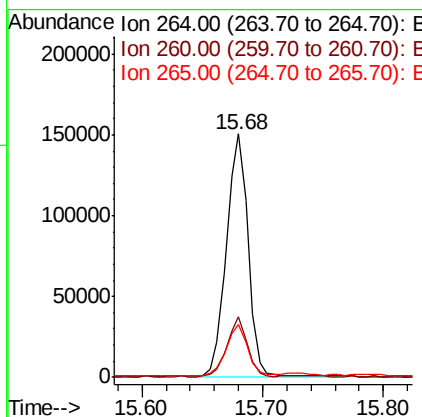
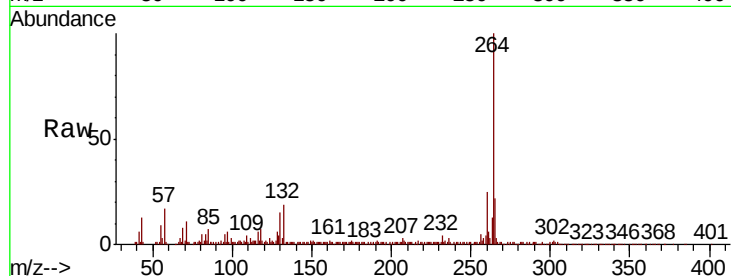




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

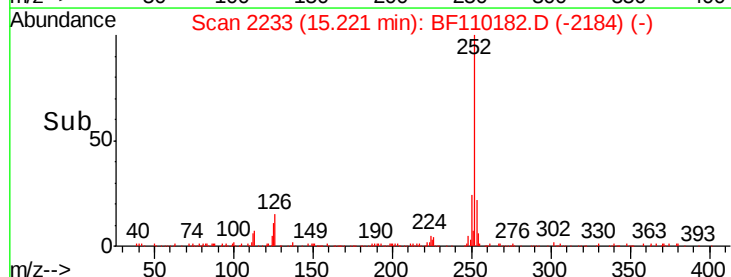
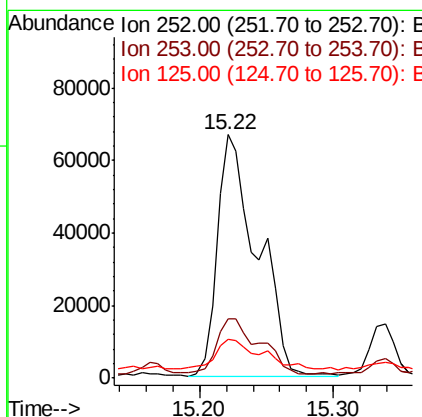
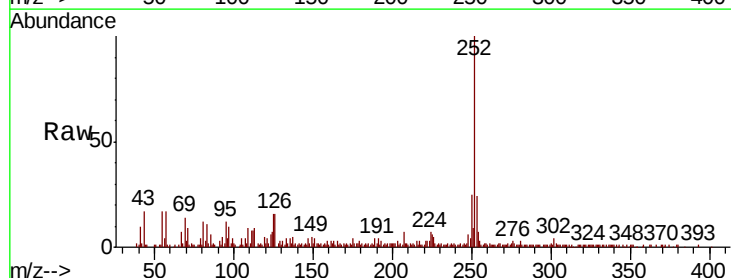
Instrument :
BNA_F
ClientSampleId :

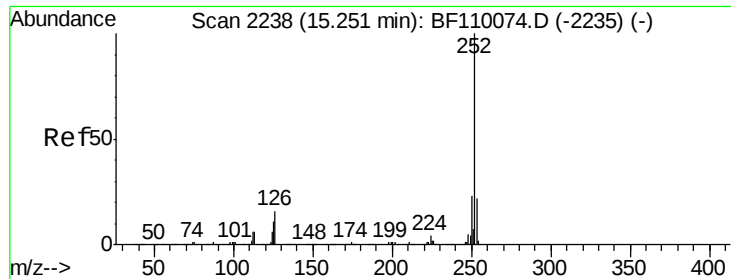
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	21.9	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 12.863 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	15.9	8.2	12.4#

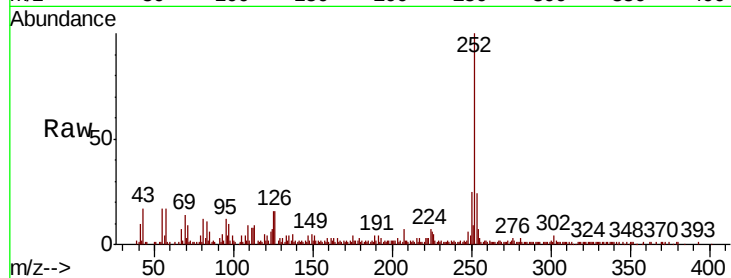




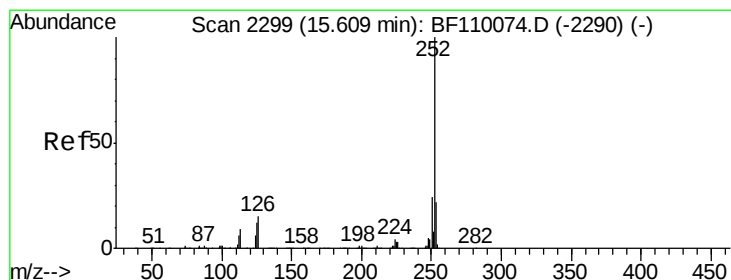
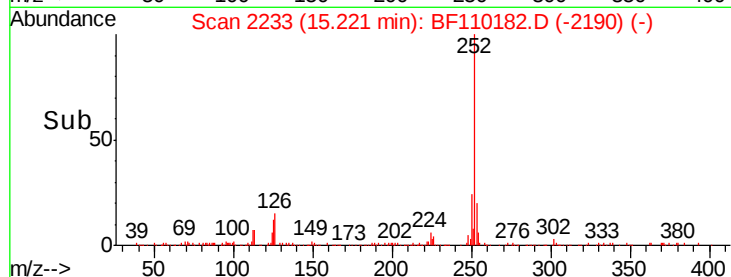
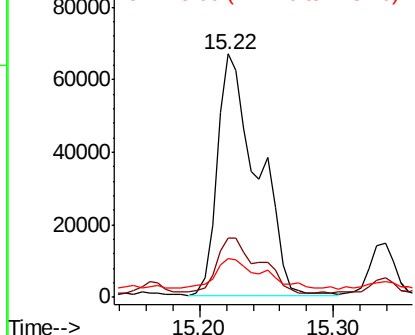
#89
Benzo(k)fluoranthene
Concen: 13.084 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 138523
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 15.9 7.4 11.0#

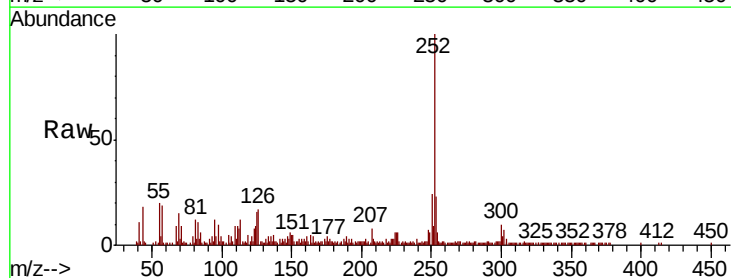


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

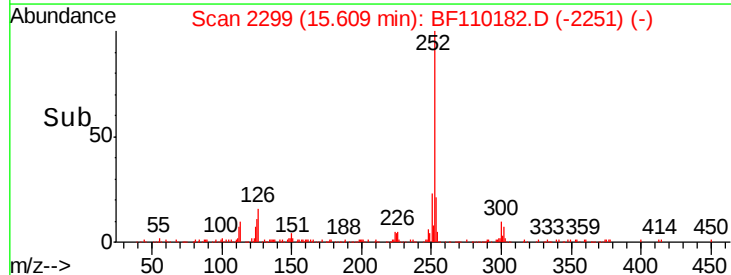
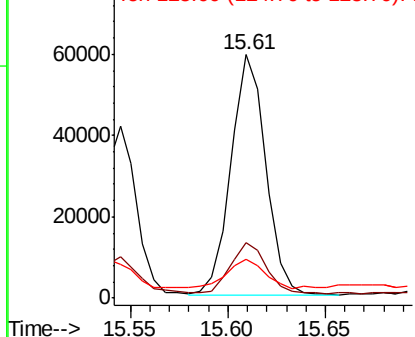


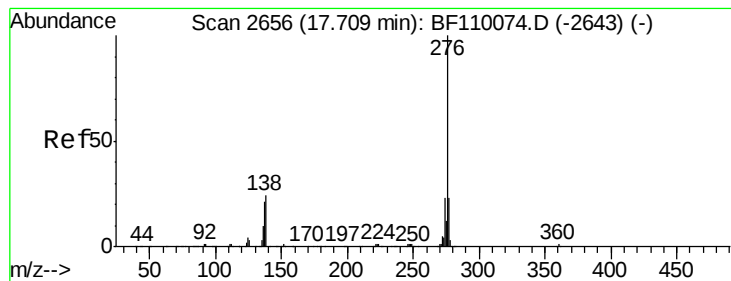
#90
Benzo(a)pyrene
Concen: 7.368 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110182.D
Acq: 26 Oct 2018 1:13

Tgt Ion:252 Resp: 73015
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 15.9 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: 5.281 ng

RT: 17.72 min Scan# 2657

Delta R.T. -0.02 min

Lab File: BF110182.D

Acq: 26 Oct 2018 1:13

Instrument :

BNA_F

ClientSampleId :

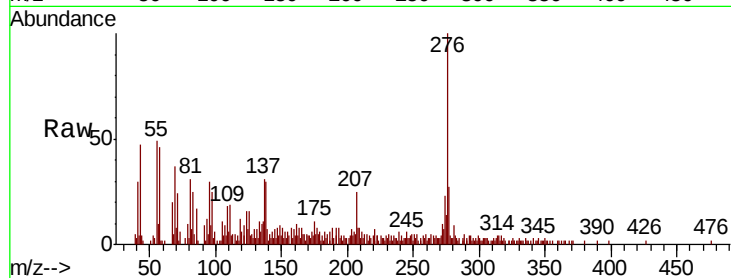
Tot Ion:276 Resp: 44497

Ion Ratio Lower Upper

276 100

277 27.1 18.8 28.2

138 29.7 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

