

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110049.D
 Acq On : 22 Oct 2018 15:24
 Operator : JU/SJ
 Sample : J5605-07 4X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 02:08:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

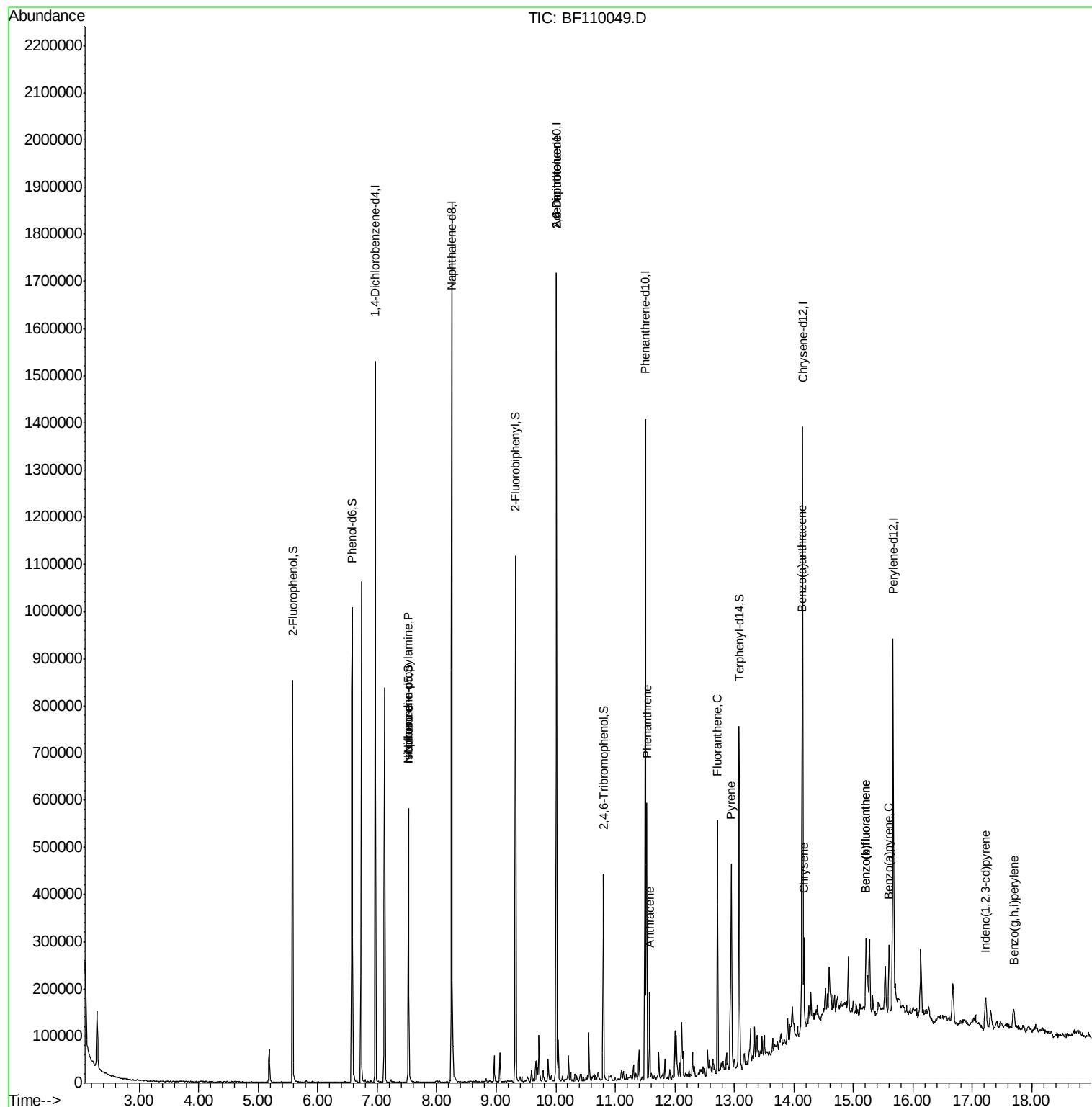
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	200664	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	791928	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	322610	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	491871	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	392276	20.00	ng	-0.02
87) Perylene-d12	15.67	264	297930	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	243267	19.22	ng	-0.02
7) Phenol-d6	6.58	99	311322	19.81	ng	-0.02
23) Nitrobenzene-d5	7.53	82	179587	15.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	44379	15.89	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	325750	16.11	ng	-0.02
79) Terphenyl-d14	13.08	244	228272	12.22	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	23240	2.303	ng	# 78
25) Isophorone	7.53	82	179585	7.774	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	41969	9.673	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	41962	11.508	ng	# 19
71) Phenanthrene	11.53	178	221874	8.713	ng	98
72) Anthracene	11.57	178	72759	2.842	ng	98
75) Fluoranthene	12.72	202	192084	7.551	ng	99
78) Pyrene	12.94	202	173886	6.035	ng	98
81) Benzo(a)anthracene	14.13	228	82458	3.569	ng	98
83) Chrysene	14.17	228	75803	3.447	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	36936	2.086	ng	# 92
88) Benzo(b)fluoranthene	15.22	252	114300	6.655	ng	# 95
89) Benzo(k)fluoranthene	15.22	252	114300	6.751	ng	# 94
90) Benzo(a)pyrene	15.60	252	68350	4.327	ng	# 95
92) Benzo(a,h,i)perylene	17.69	276	38467	2.719	ng	# 91

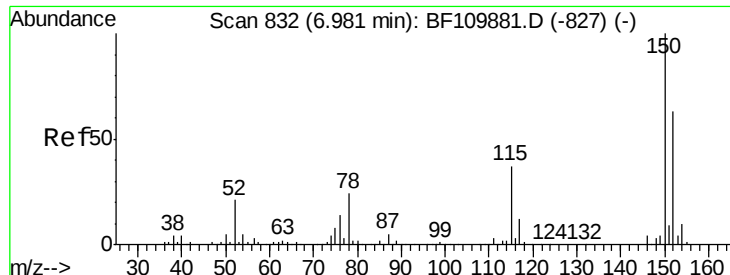
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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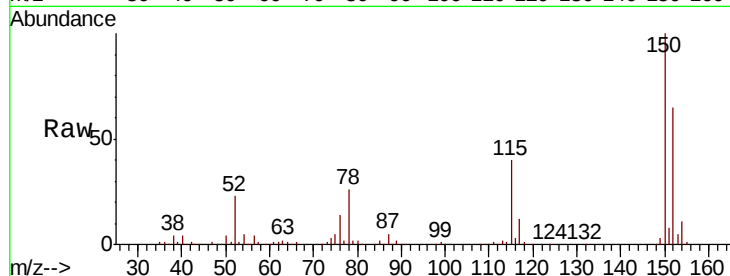


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.7	184.1
115	62.2	49.1	73.7

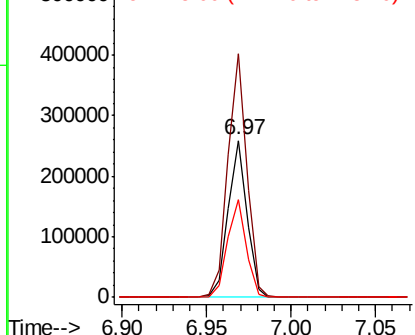
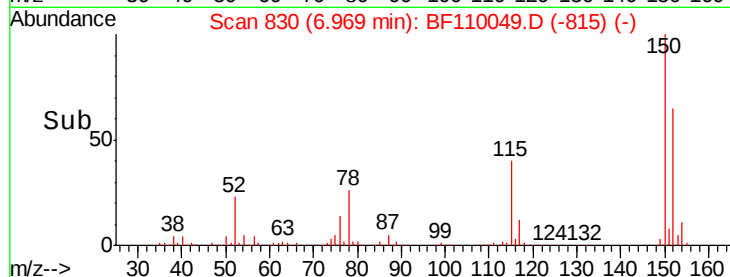


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

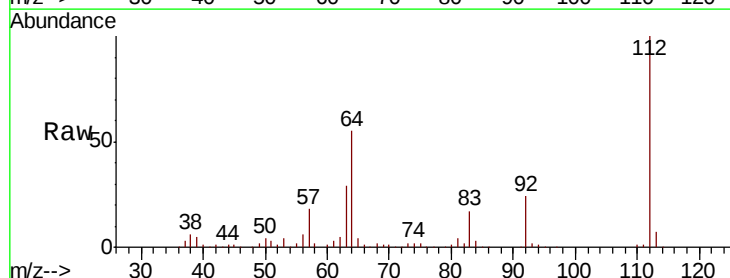
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.217 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.1	66.1
63	29.1	23.7	35.5

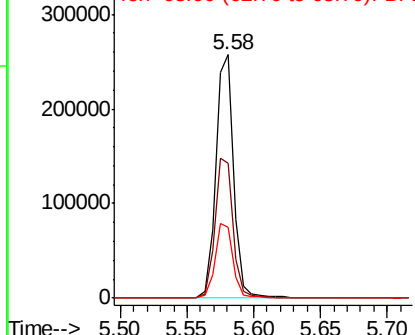
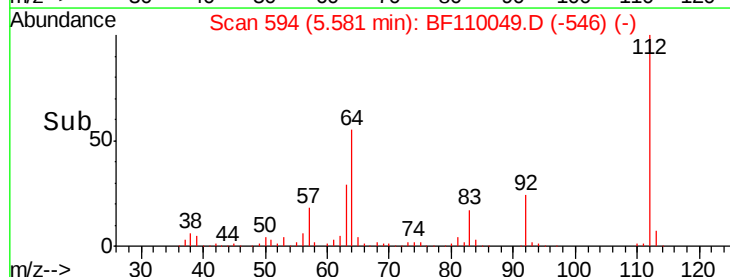


Abundance

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: 19.805 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

Instrument :

BNA_F

ClientSampled :

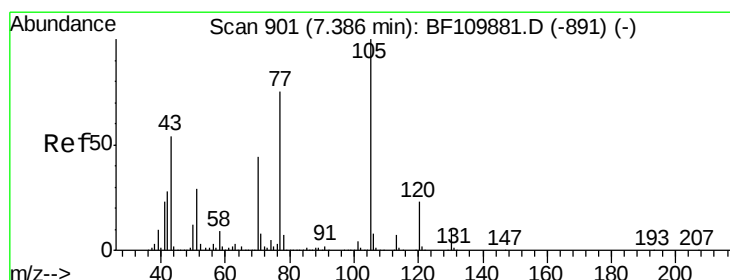
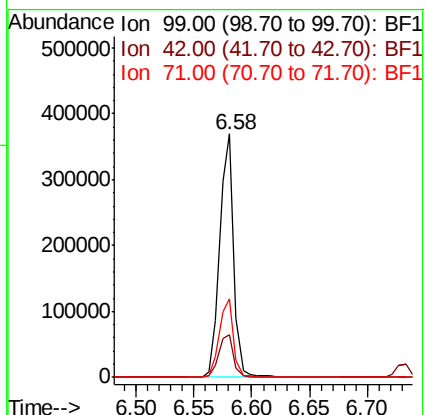
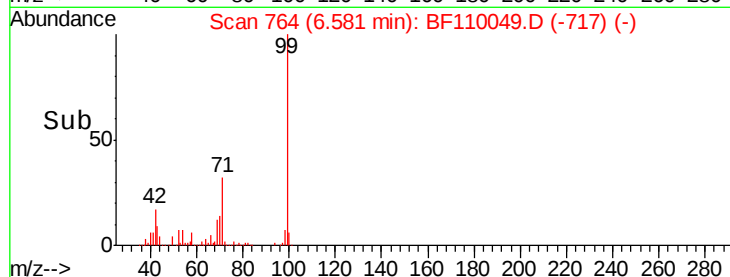
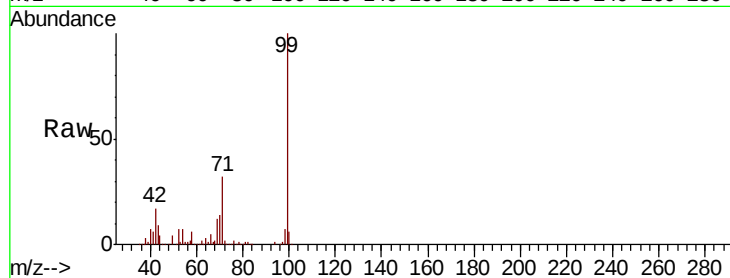
Tot Ion: 99 Resp: 311322

Ion Ratio Lower Upper

99 100

42 17.3 15.8 23.6

71 32.2 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.303 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.14 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

Tgt Ion: 70 Resp: 23240

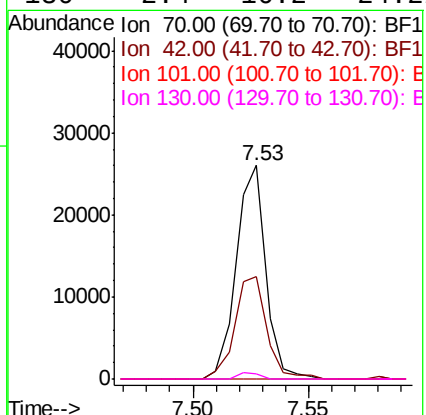
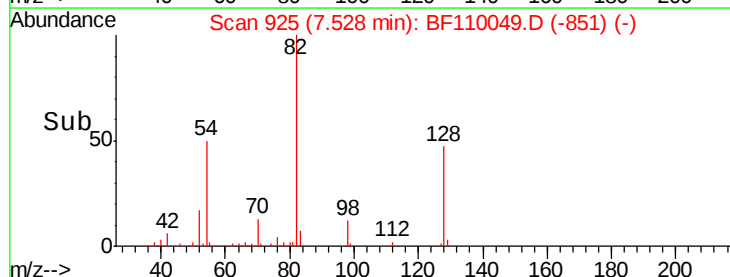
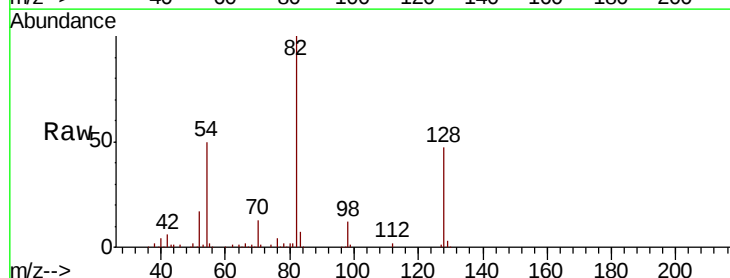
Ion Ratio Lower Upper

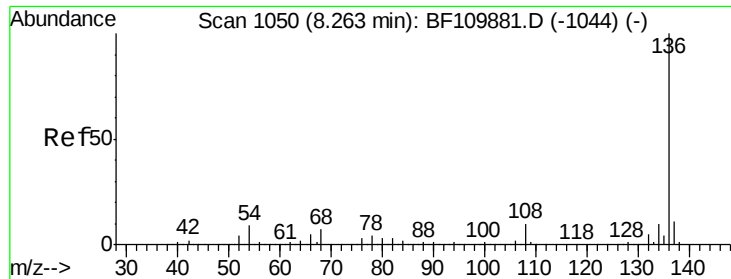
70 100

42 47.7 47.4 71.2

101 0.0 7.3 10.9#

130 2.4 16.2 24.2#

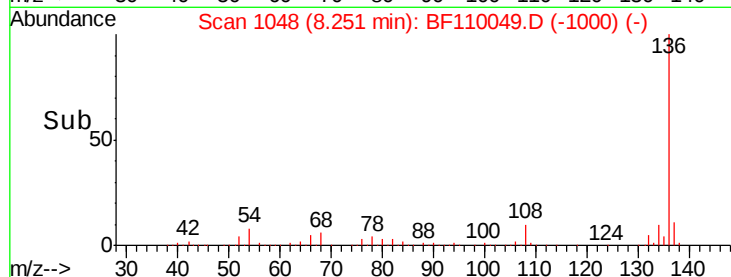
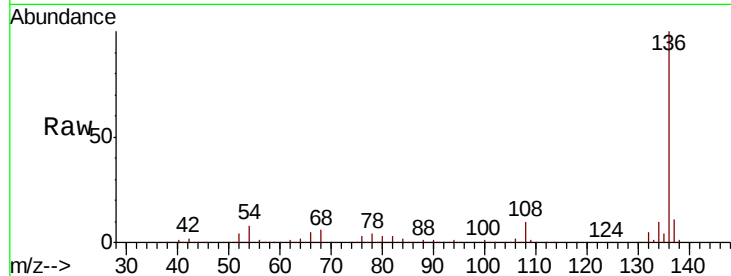




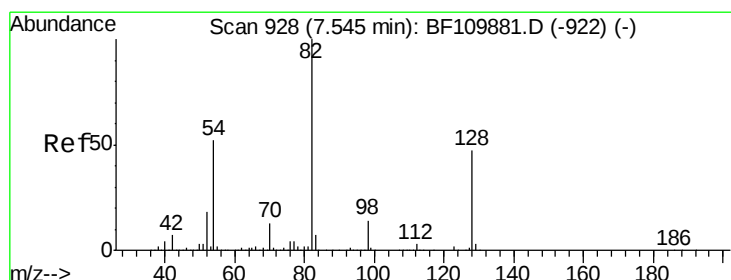
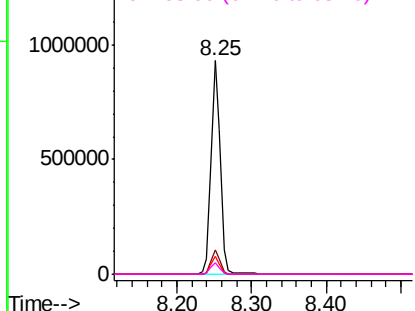
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	791928
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.3	5.4	8.2#
68	5.7	4.2	6.2

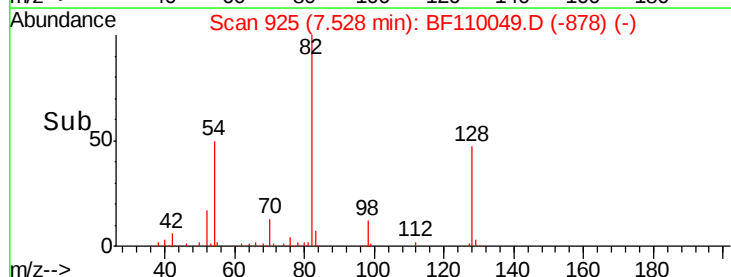
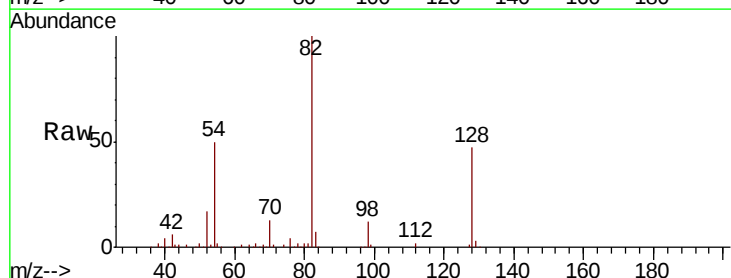


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

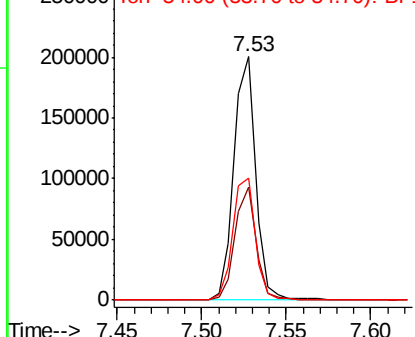


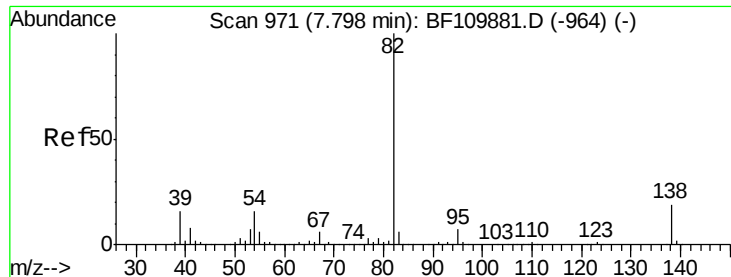
#23
Nitrobenzene-d5
Concen: 15.276 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Tgt Ion:	82	Resp:	179587
Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.2	51.2
54	50.0	38.6	58.0



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





#25

Isophorone

Concen: 7.774 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.28 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

Instrument :

BNA_F

ClientSampleId :

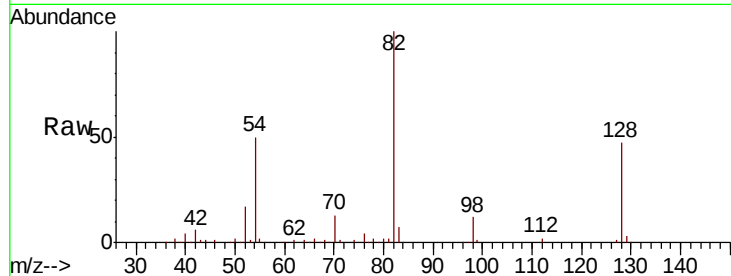
Tot Ion: 82 Resp: 179585

Ion Ratio Lower Upper

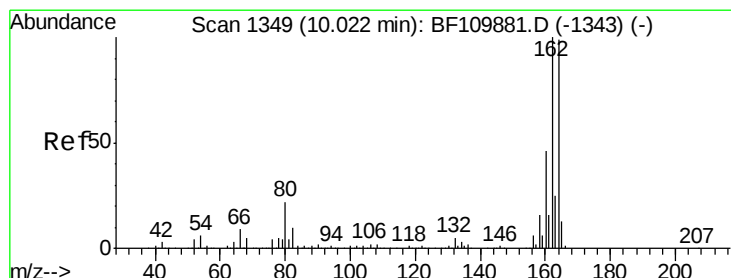
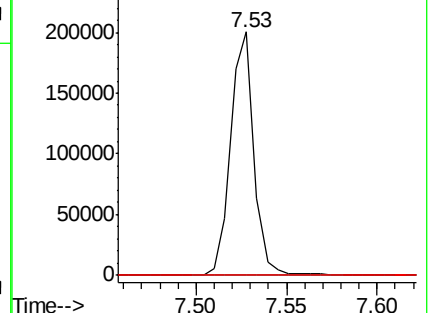
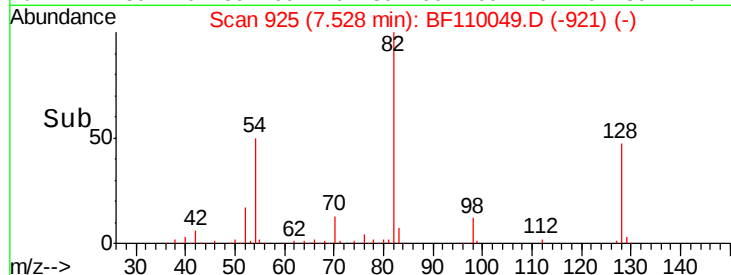
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

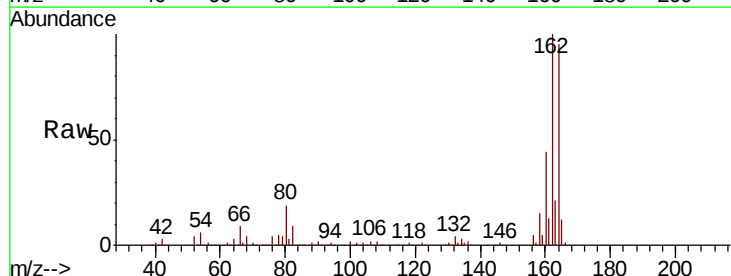
Tgt Ion:164 Resp: 322610

Ion Ratio Lower Upper

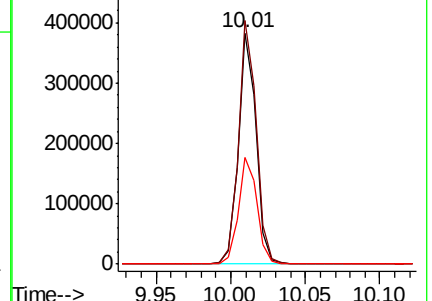
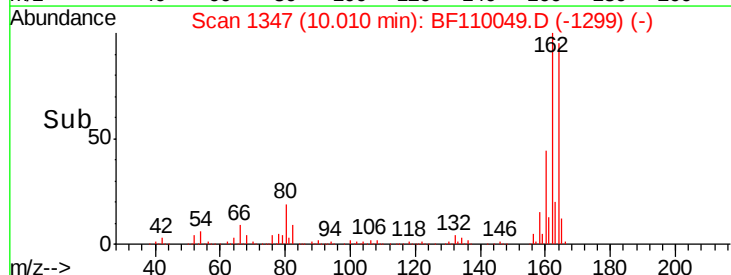
164 100

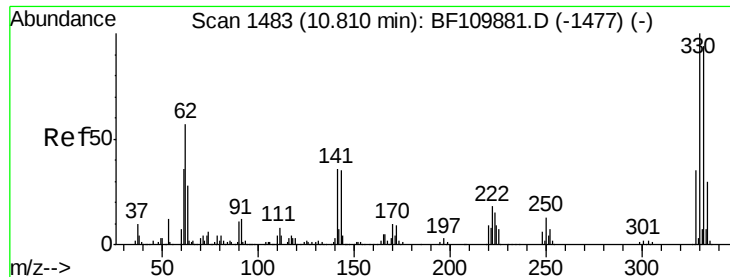
162 105.3 83.0 124.6

160 46.2 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

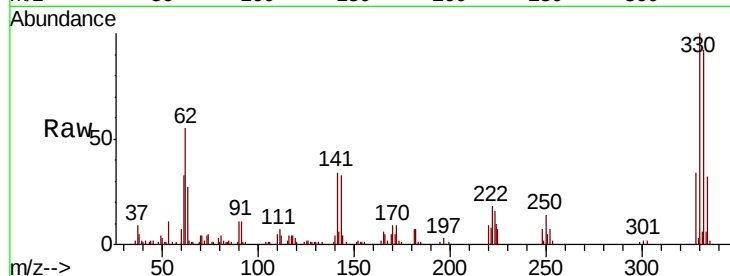




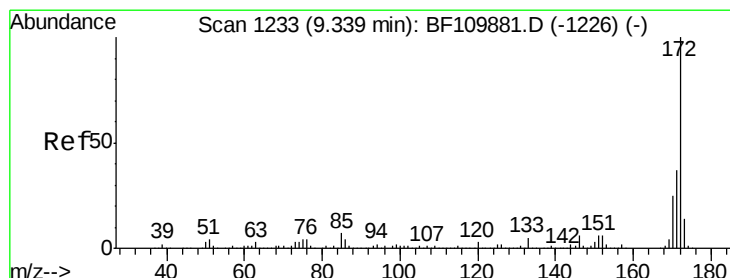
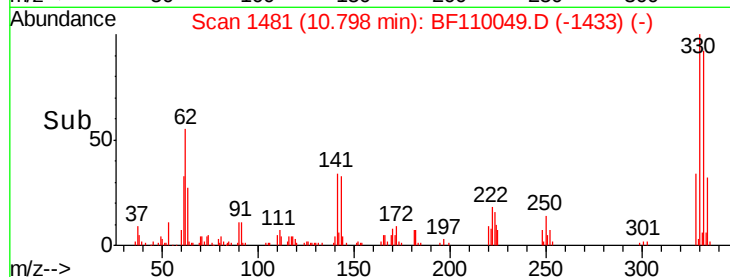
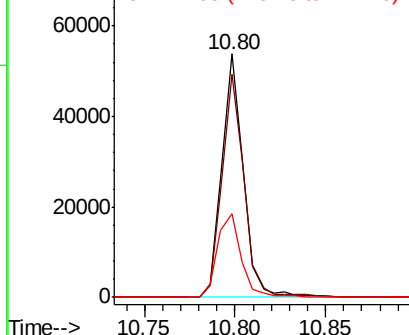
#42
 2,4,6-Tribromophenol
 Concen: 15.889 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110049.D
 Acq: 22 Oct 2018 15:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 44379
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.1 115.7
 141 37.7 27.0 40.4

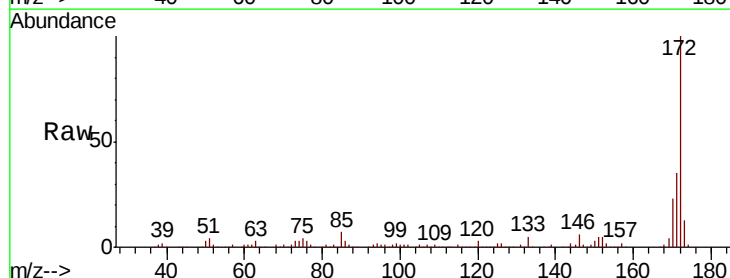


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

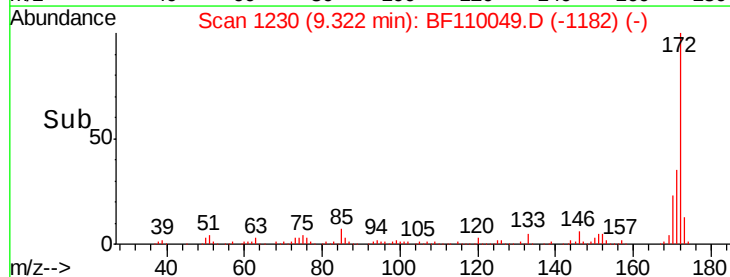
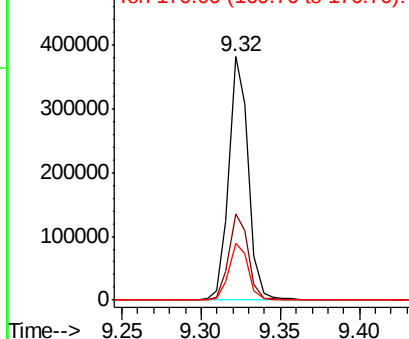


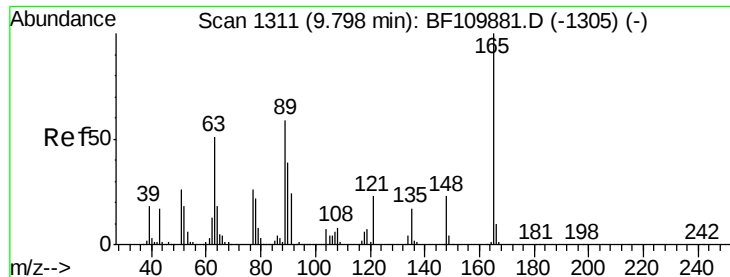
#45
 2-Fluorobiphenyl
 Concen: 16.112 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110049.D
 Acq: 22 Oct 2018 15:24

Tgt Ion:172 Resp: 325750
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.1 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

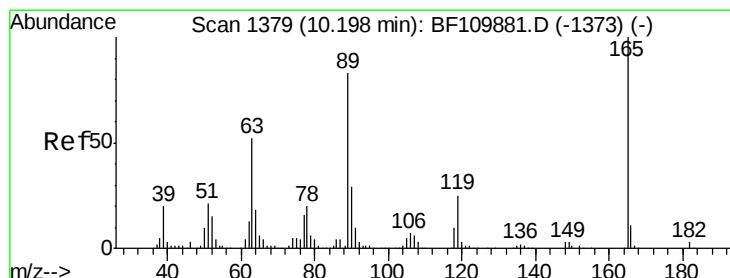
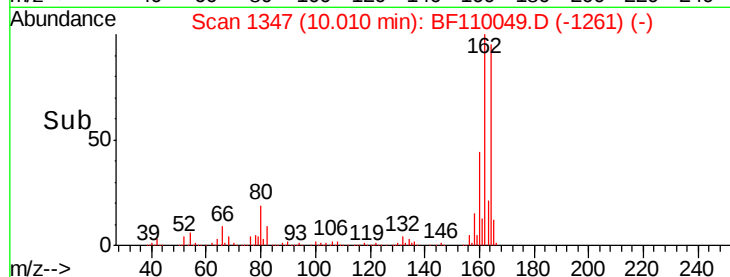
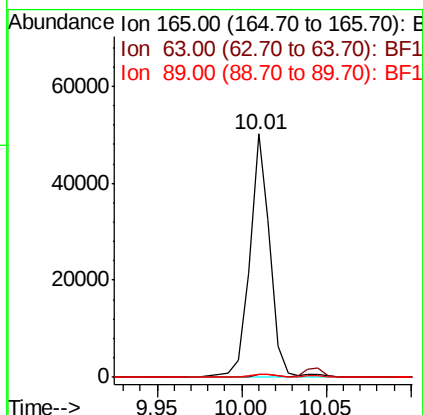
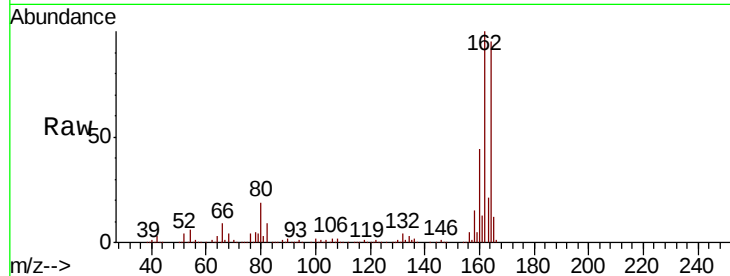




#51
2,6-Dinitrotoluene
Concen: 9.673 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

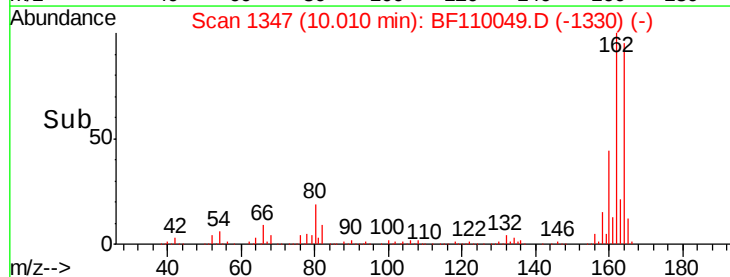
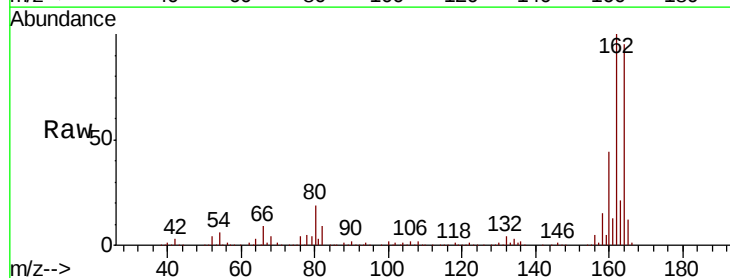
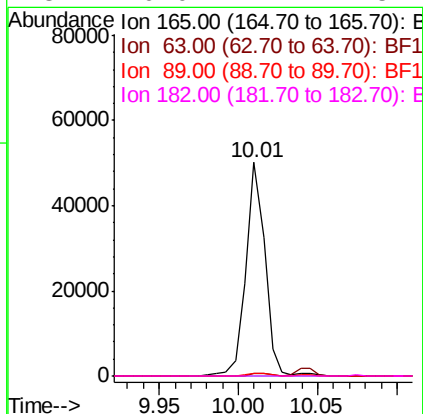
Instrument :
BNA_F
ClientSampleId :

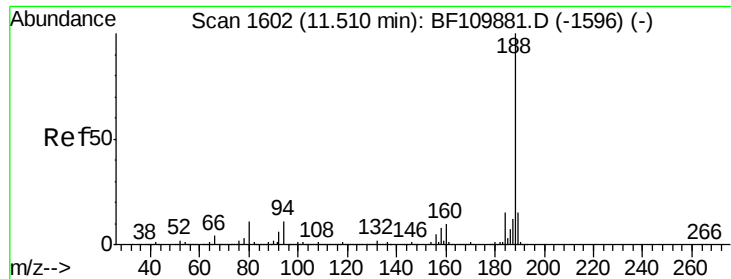
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	48.9	73.3#
89	1.4	46.6	69.8#



#57
2,4-Dinitrotoluene
Concen: 11.508 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

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

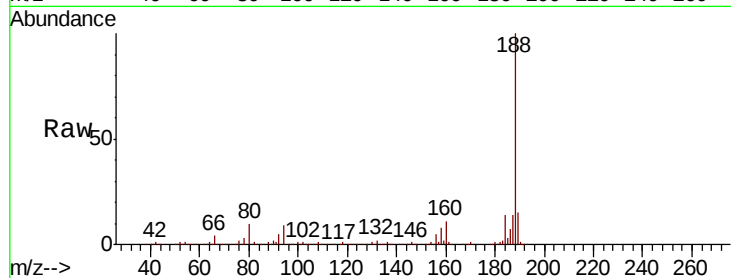




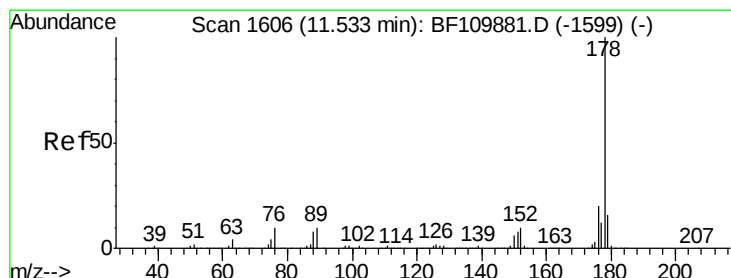
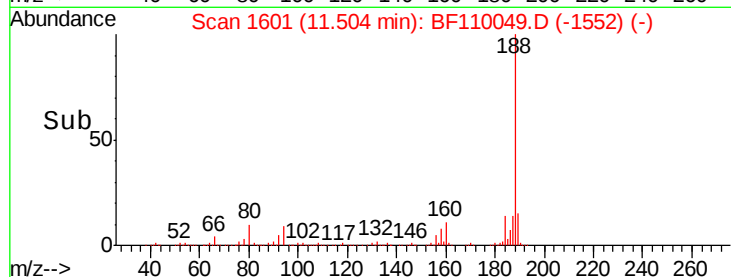
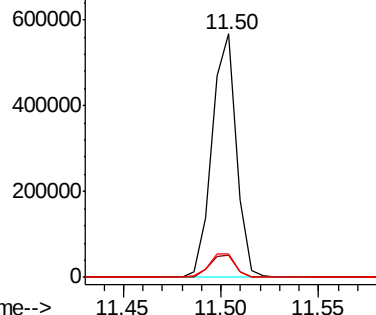
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 491871
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.7 7.9 11.9

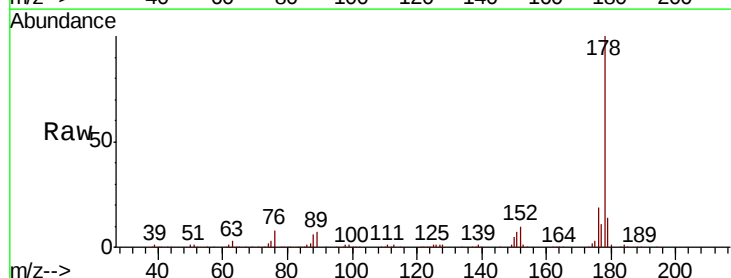


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

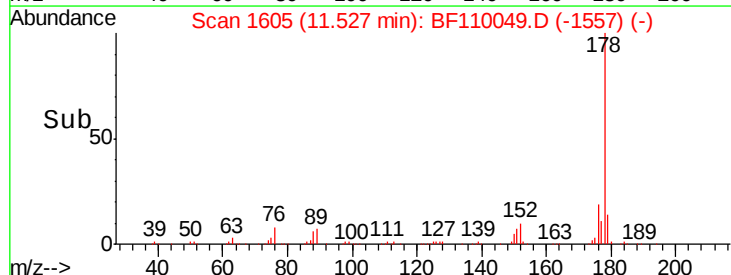
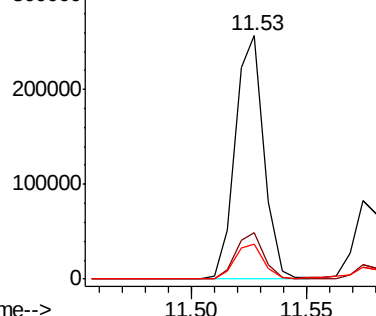


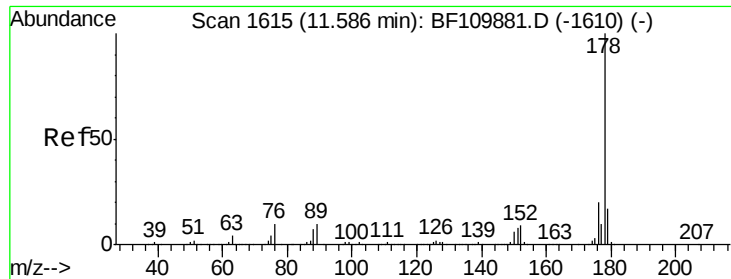
#71
Phenanthrene
Concen: 8.713 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Tgt Ion:178 Resp: 221874
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.4 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





#72

Anthracene

Concen: 2.842 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

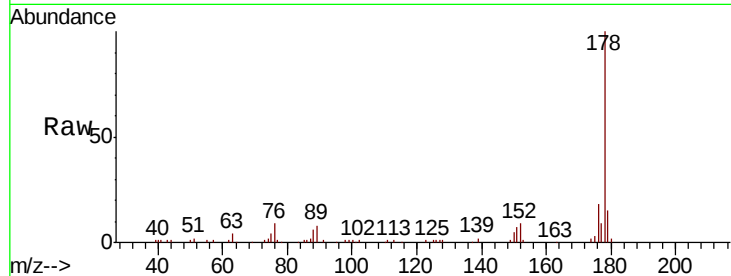
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 72759

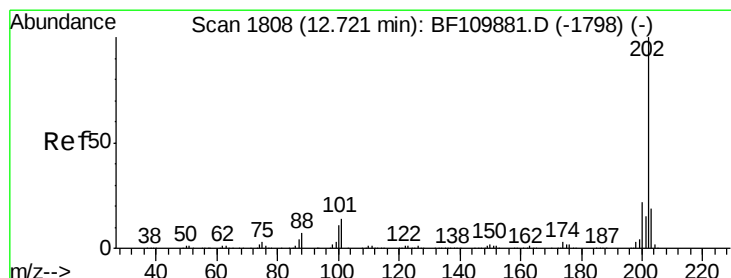
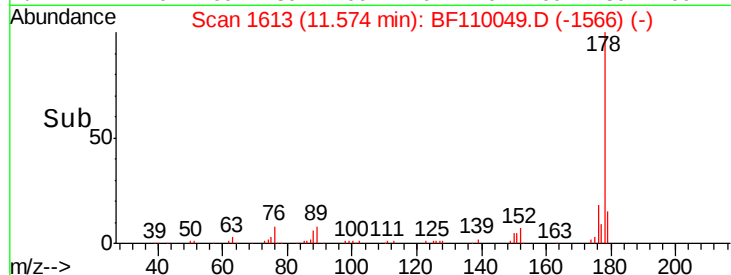
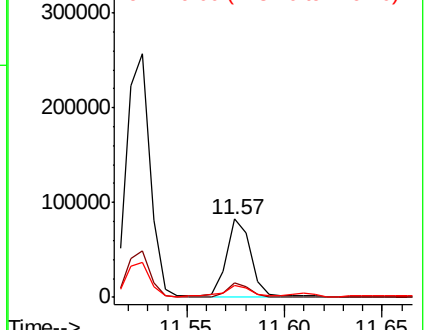
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.4	12.6	18.8



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: 7.551 ng

RT: 12.72 min Scan# 1807

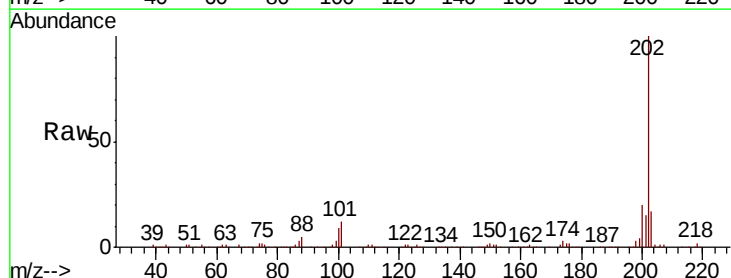
Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

Tgt Ion:202 Resp: 192084

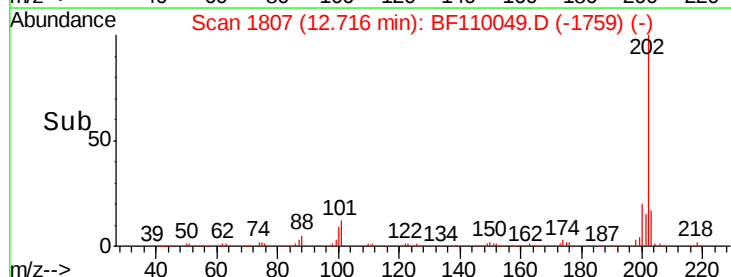
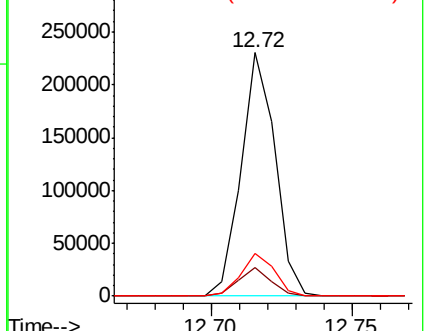
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	17.4	0.0	37.7

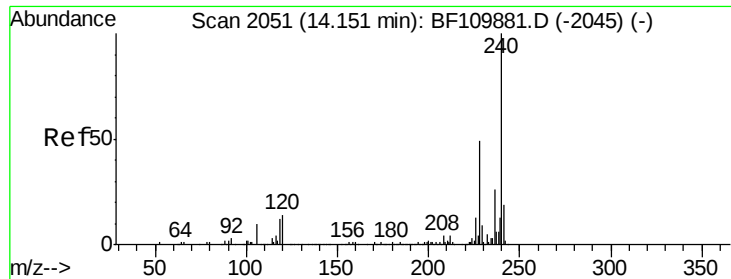


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

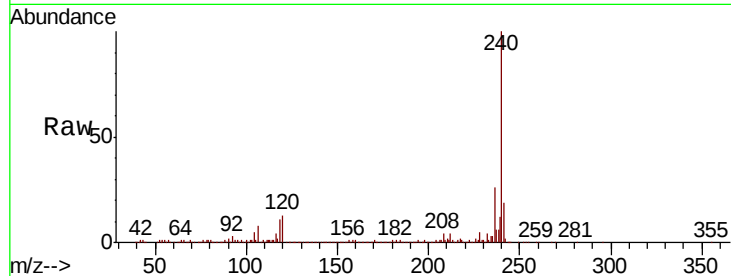




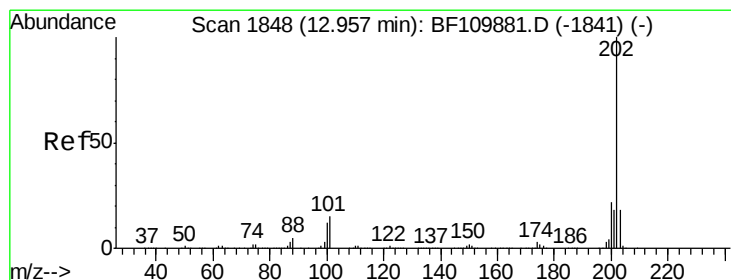
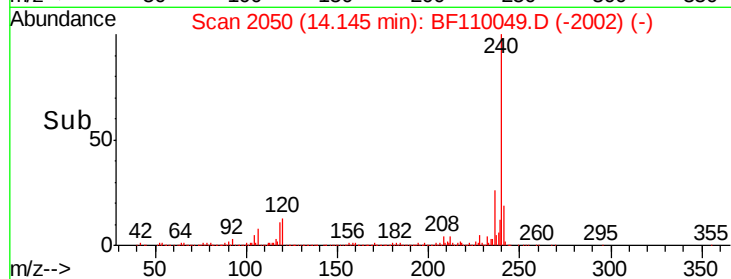
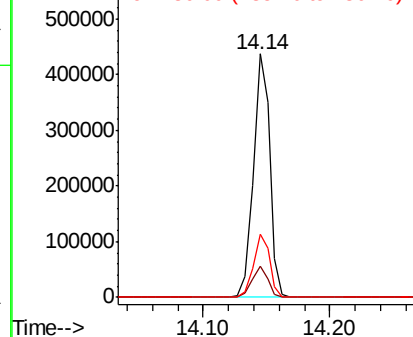
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Instrument :
BNA_F
ClientSampleID :

Tot Ion:240 Resp: 392276
Ion Ratio Lower Upper
240 100
120 12.7 8.3 12.5#
236 25.8 21.2 31.8

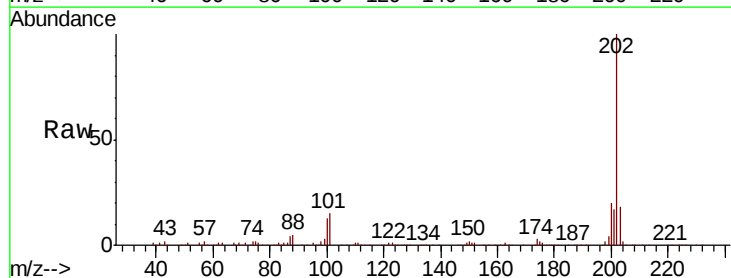


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

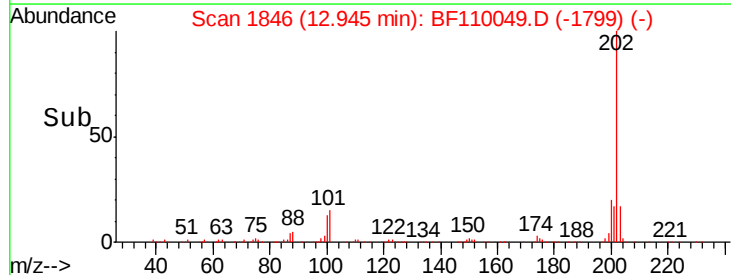
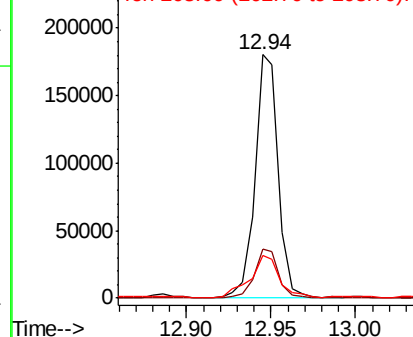


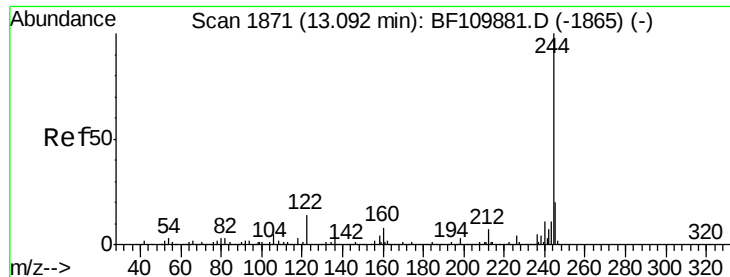
#78
Pyrene
Concen: 6.035 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Tgt Ion:202 Resp: 173886
Ion Ratio Lower Upper
202 100
200 20.3 17.8 26.6
203 17.5 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: 12.220 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

Instrument :

BNA_F

ClientSampleId :

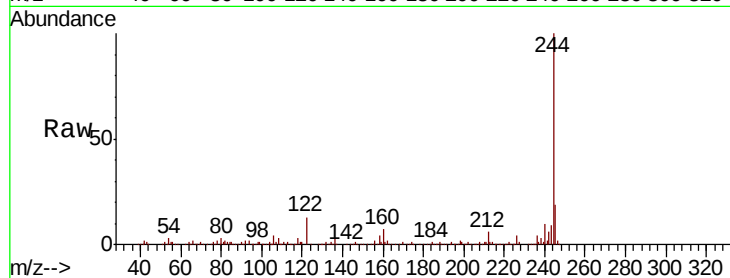
Tot Ion:244 Resp: 228272

Ion Ratio Lower Upper

244 100

212 6.2 5.8 8.8

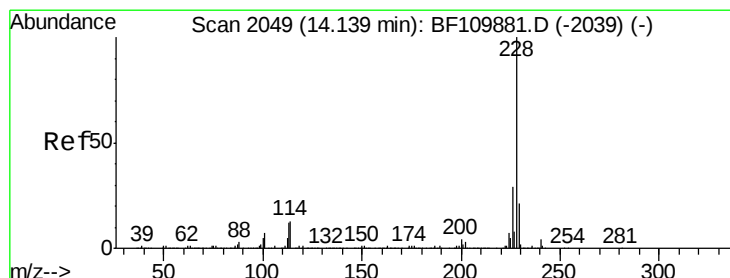
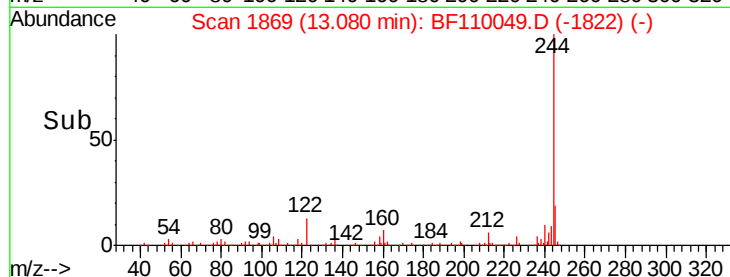
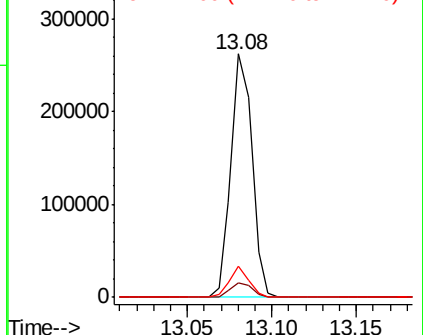
122 13.0 8.7 13.1



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: 3.569 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

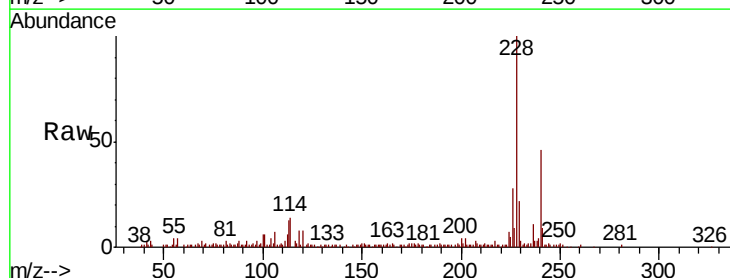
Tgt Ion:228 Resp: 82458

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

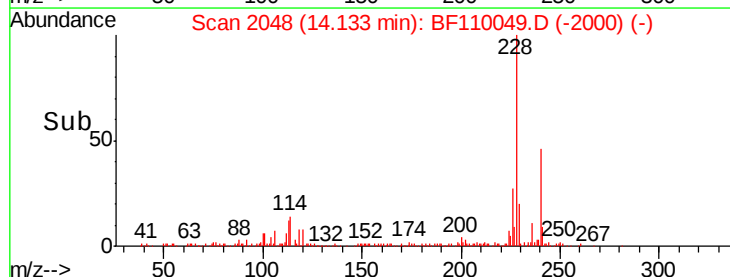
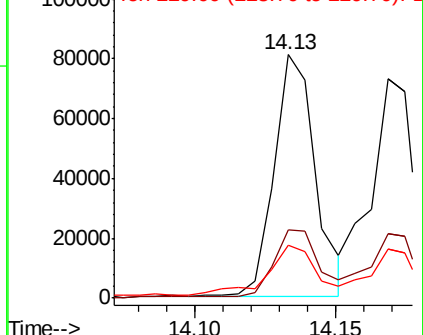
229 21.5 15.6 23.4

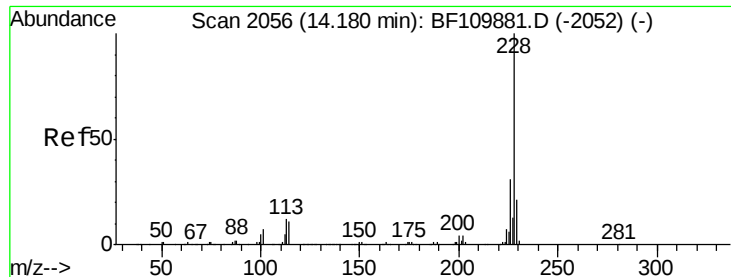


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

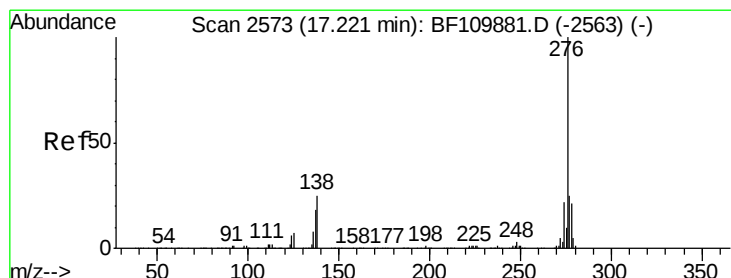
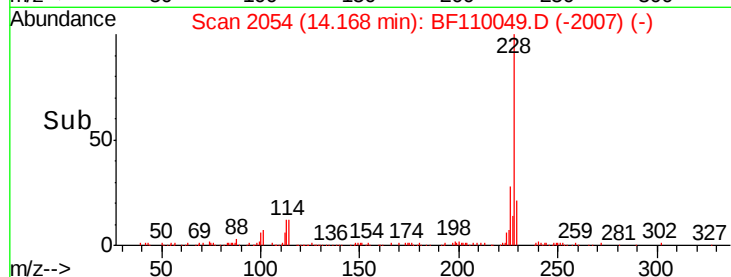
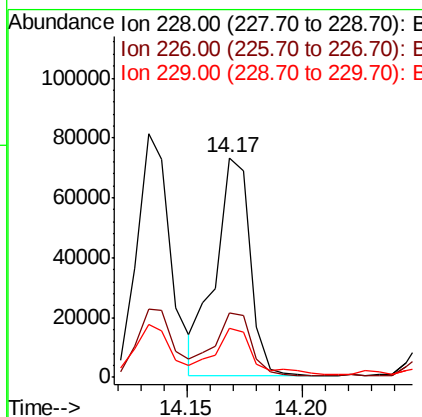
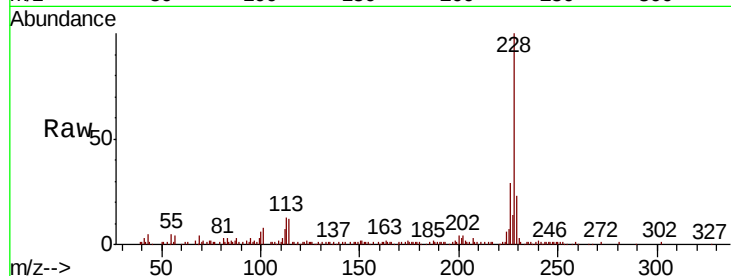




#83
Chrysene
Concen: 3.447 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

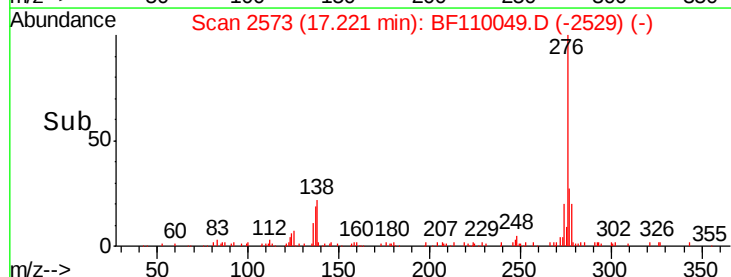
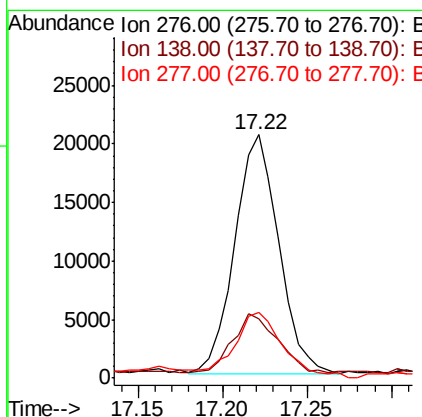
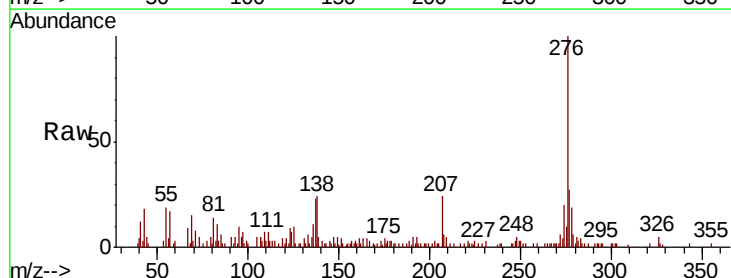
Instrument :
BNA_F
ClientSampleId :

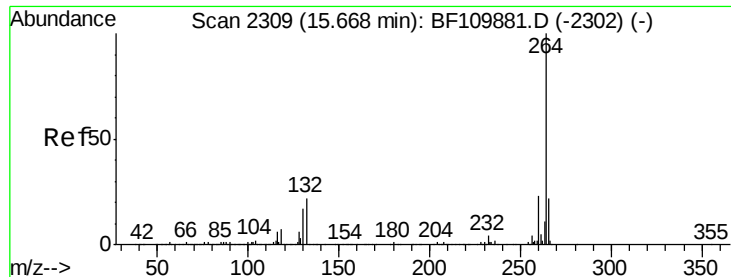
Tot Ion:228 Resp: 75803
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 22.6 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.086 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.04 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Tgt Ion:276 Resp: 36936
Ion Ratio Lower Upper
276 100
138 25.1 18.5 27.7
277 31.1 20.0 30.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

Instrument :

BNA_F

ClientSampleId :

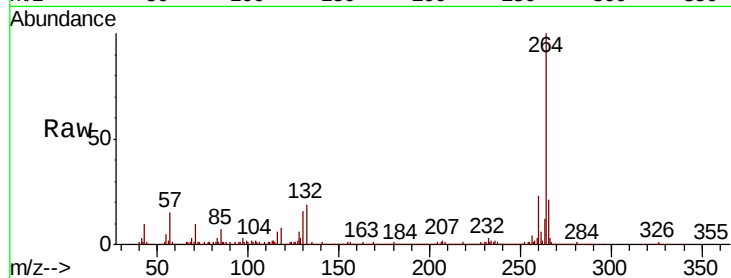
Tot Ion:264 Resp: 297930

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.4	16.7	25.1

264 100

260 23.1 18.7 28.1

265 21.4 16.7 25.1

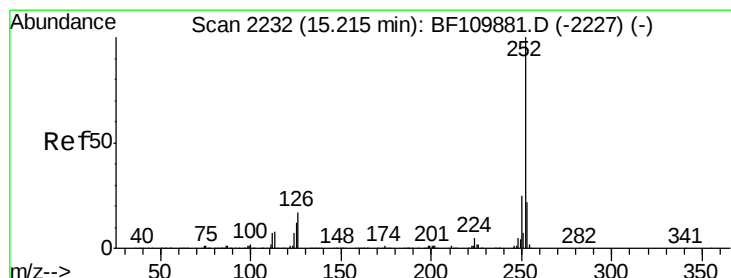
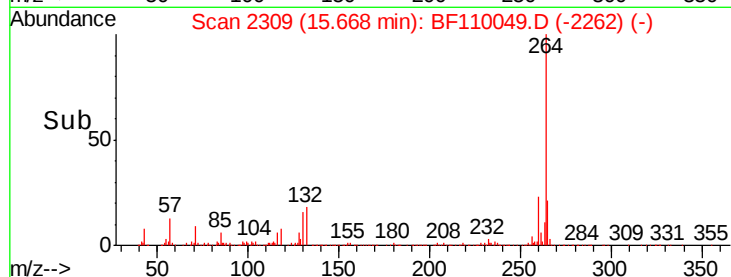
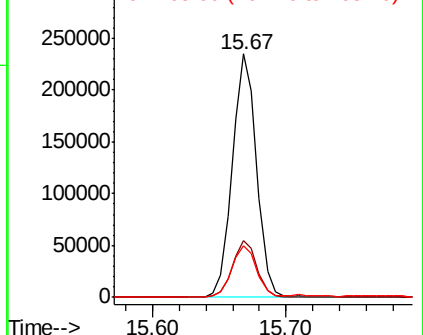


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 6.655 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110049.D

Acq: 22 Oct 2018 15:24

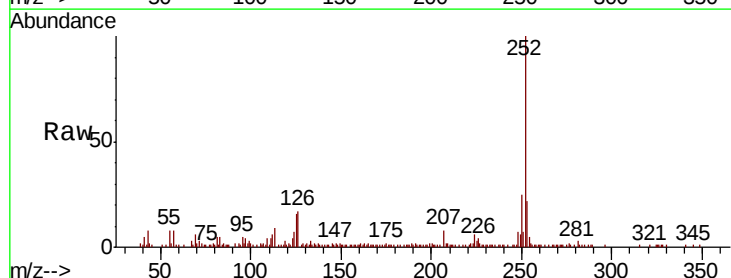
Tgt Ion:252 Resp: 114300

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	15.7	8.2	12.4#

252 100

253 22.0 17.2 25.8

125 15.7 8.2 12.4#

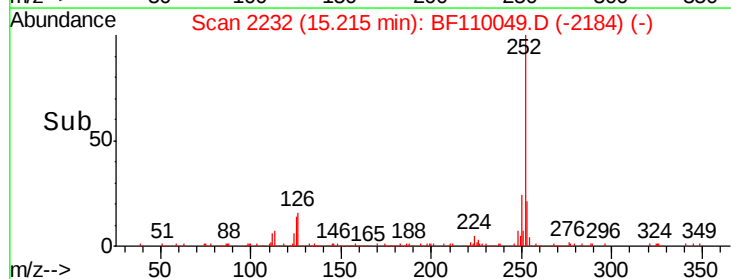
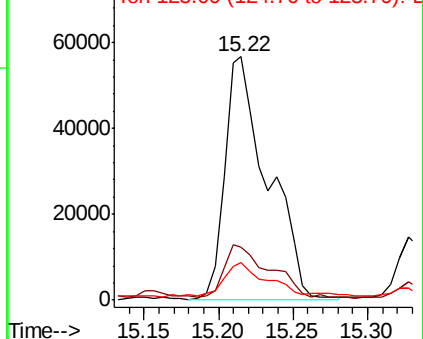


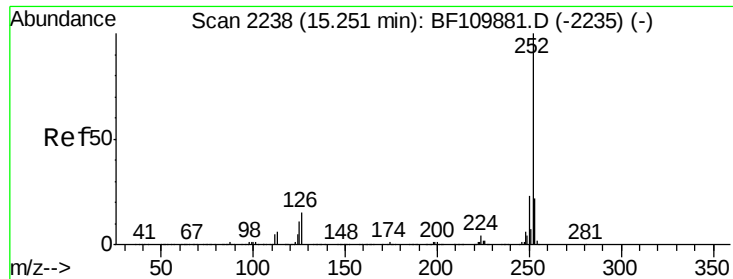
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

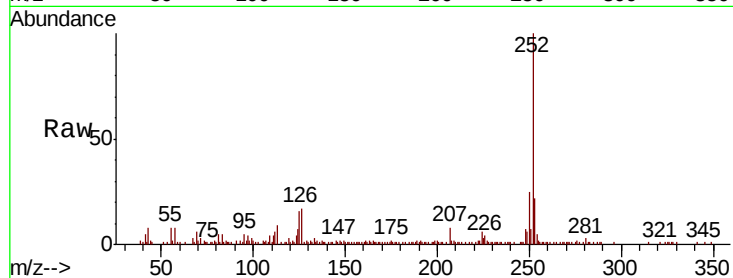




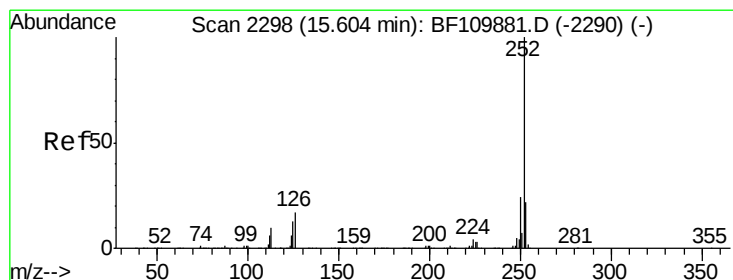
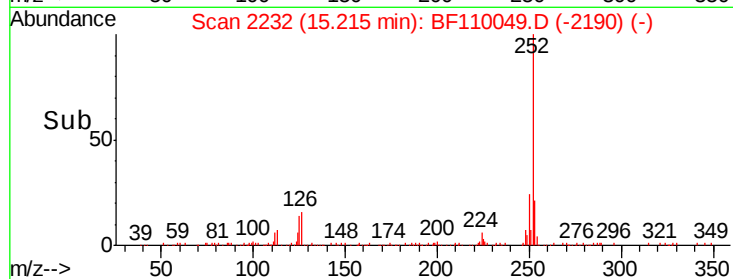
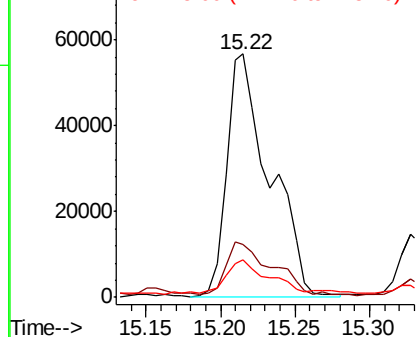
#89
Benzo(k)fluoranthene
Concen: 6.751 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.05 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 114300
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 15.7 7.4 11.0#

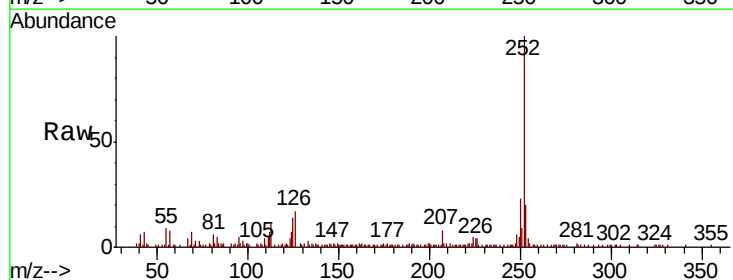


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

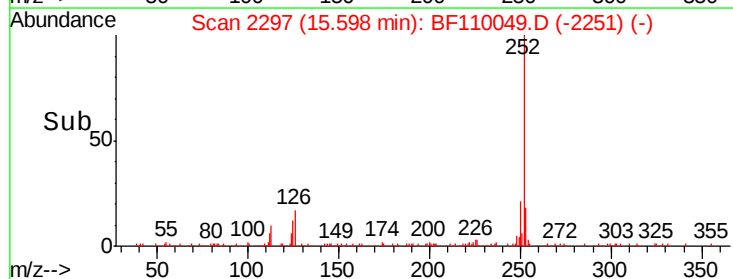
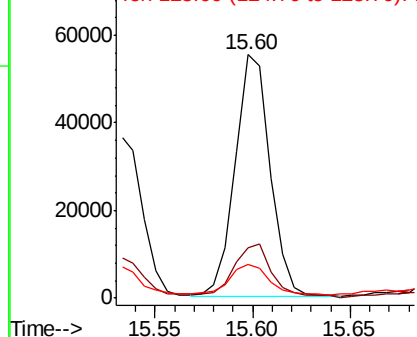


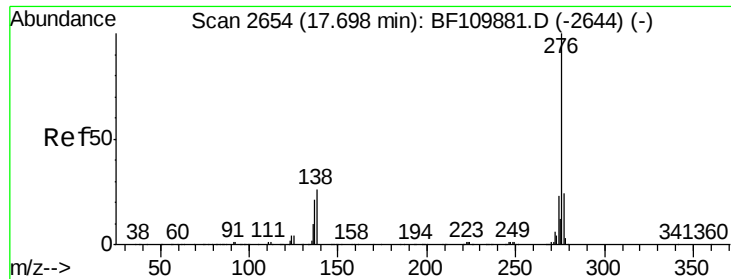
#90
Benzo(a)pyrene
Concen: 4.327 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.03 min
Lab File: BF110049.D
Acq: 22 Oct 2018 15:24

Tgt Ion:252 Resp: 68350
Ion Ratio Lower Upper
252 100
253 20.4 18.2 27.4
125 13.6 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: 2.719 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.05 min
 Lab File: BF110049.D
 Acq: 22 Oct 2018 15:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	27.4	16.0	24.0

