

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110849.D
 Acq On : 19 Nov 2018 13:31
 Operator : JU/SJ
 Sample : J5977-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 15:30:11 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

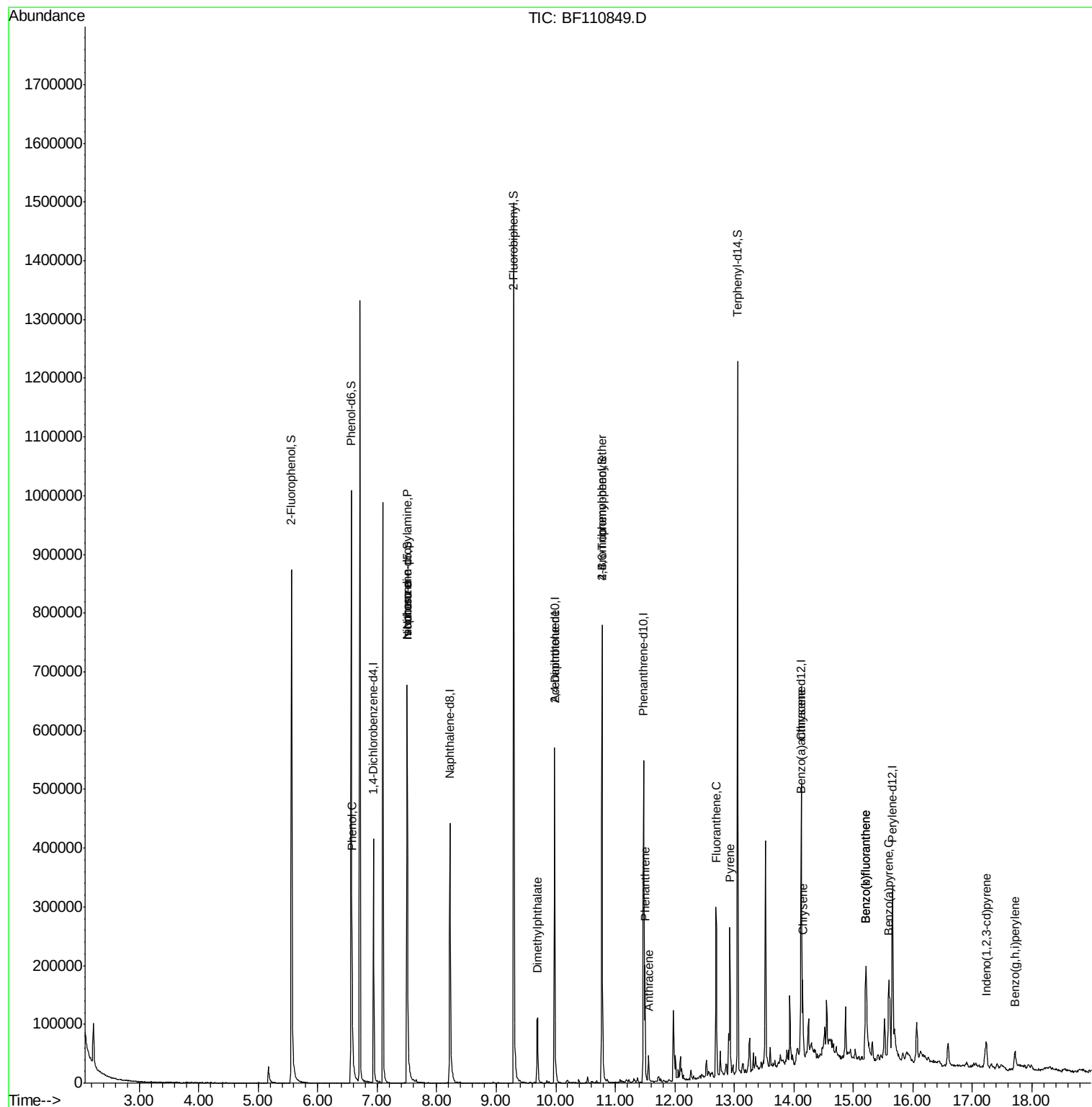
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	59063	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	249437	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	116955	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	205035	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	127797	20.00	ng	-0.01
87) Perylene-d12	15.66	264	133580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	297225	81.74	ng	0.00
7) Phenol-d6	6.56	99	383025	82.37	ng	-0.01
23) Nitrobenzene-d5	7.50	82	245029	56.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	91853	77.94	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	480192	58.64	ng	-0.01
79) Terphenyl-d14	13.06	244	375449	55.02	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.57	77	478	Below Cal		Qvalue # 1
10) Phenol	6.58	94	20844	3.866	ng	# 73
19) n-Nitroso-di-n-propylamine	7.50	70	32895	11.083	ng	# 80
25) Isophorone	7.50	82	245028	34.516	ng	# 67
50) Dimethylphthalate	9.69	163	62051	7.110	ng	100
57) 2,4-Dinitrotoluene	9.98	165	14852	5.950	ng	# 18
67) 4-Bromophenyl-phenylether	10.77	248	5910	2.608	ng	# 1
71) Phenanthrene	11.50	178	74171	6.752	ng	97
72) Anthracene	11.56	178	23082	2.083	ng	99
75) Fluoranthene	12.69	202	118758	10.784	ng	99
78) Pyrene	12.93	202	102848	10.452	ng	98
81) Benzo(a)anthracene	14.12	228	56000	7.331	ng	98
83) Chrysene	14.15	228	48480	6.662	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	32300	6.185	ng	99
88) Benzo(b)fluoranthene	15.20	252	96080	12.023	ng	# 97
89) Benzo(k)fluoranthene	15.20	252	96080	12.168	ng	# 96
90) Benzo(a)pyrene	15.59	252	54276	7.475	ng	98
92) Benzo(a,h,i)perylene	17.72	276	29492	4.838	ng	97

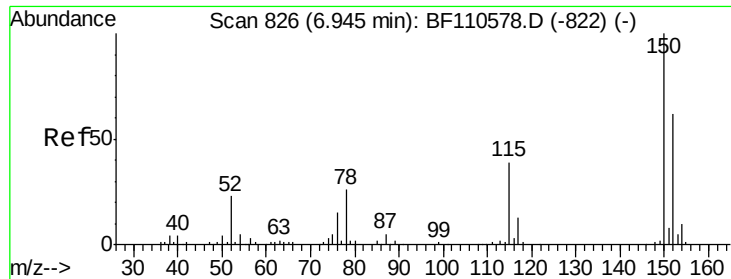
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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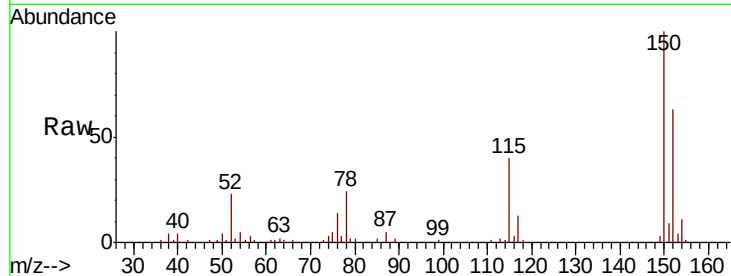




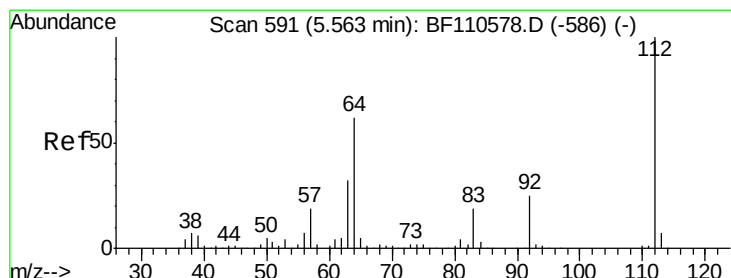
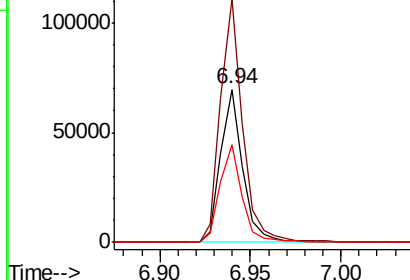
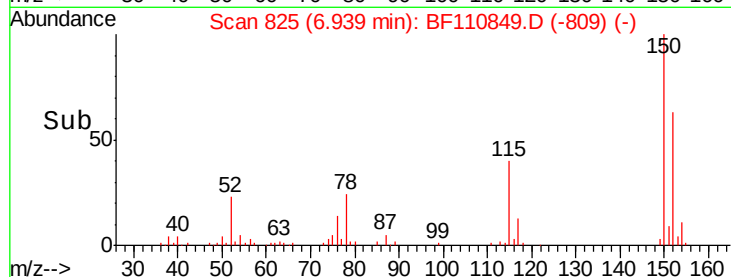
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110849.D
 Acq: 19 Nov 2018 13:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 59063
 Ion Ratio Lower Upper
 152 100
 150 159.2 122.7 184.1
 115 64.2 49.1 73.7

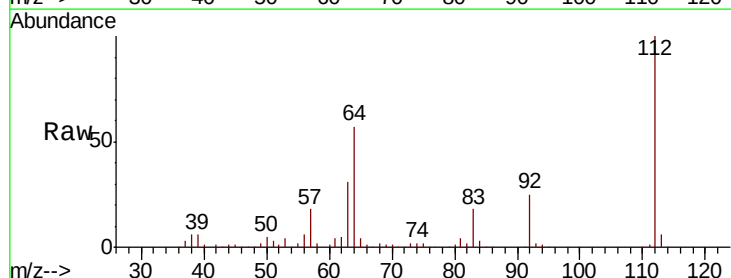


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

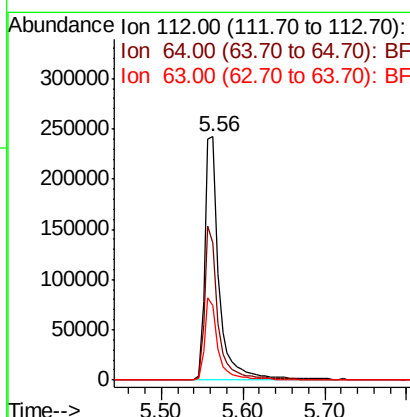
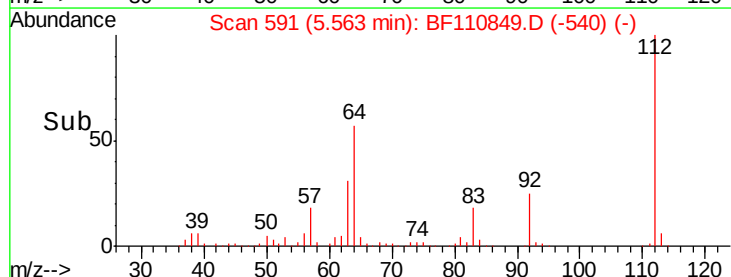


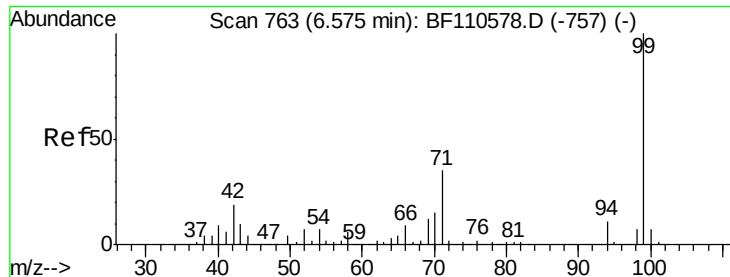
#5
 2-Fluorophenol
 Concen: 81.741 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110849.D
 Acq: 19 Nov 2018 13:31

Tgt Ion:112 Resp: 297225
 Ion Ratio Lower Upper
 112 100
 64 56.6 44.1 66.1
 63 30.8 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: 82.375 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

Instrument :

BNA_F

ClientSampled :

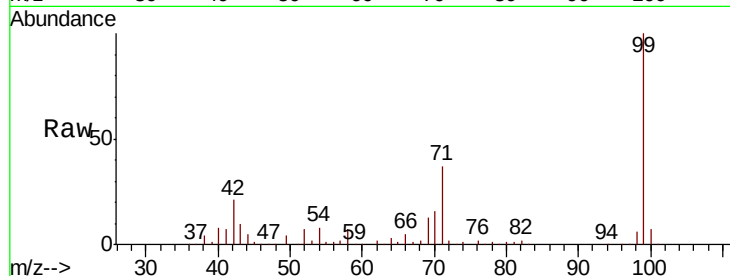
Tot Ion: 99 Resp: 383025

Ion Ratio Lower Upper

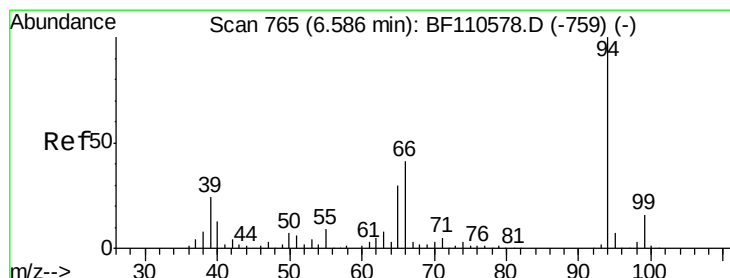
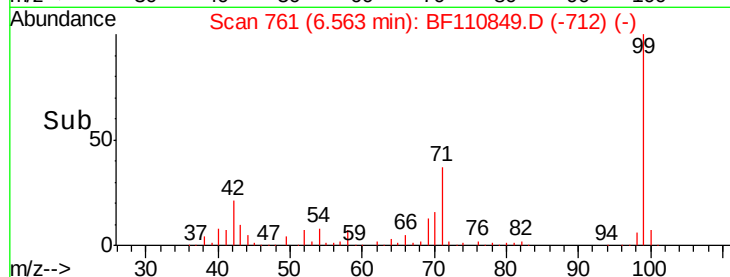
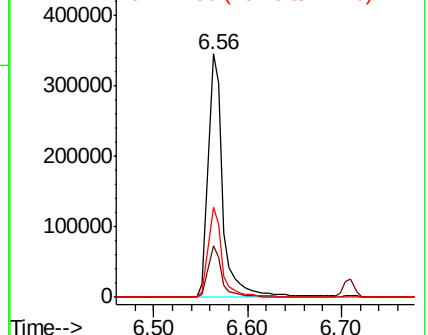
99 100

42 21.2 15.8 23.6

71 36.9 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: 3.866 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

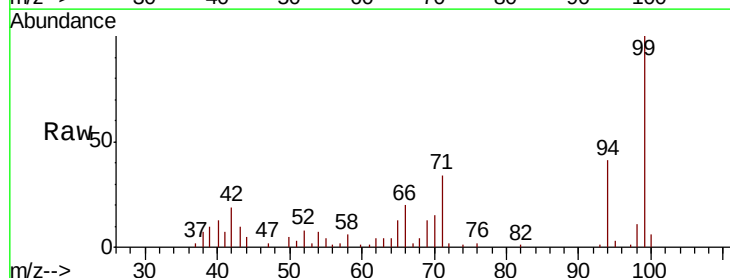
Tgt Ion: 94 Resp: 20844

Ion Ratio Lower Upper

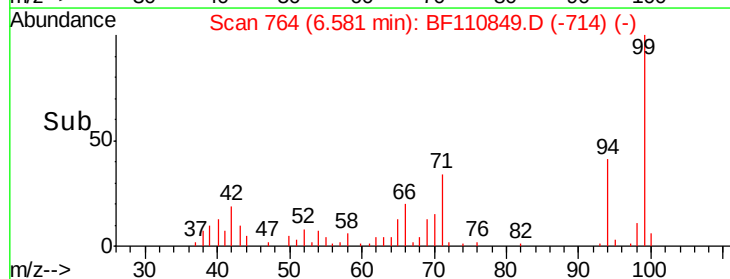
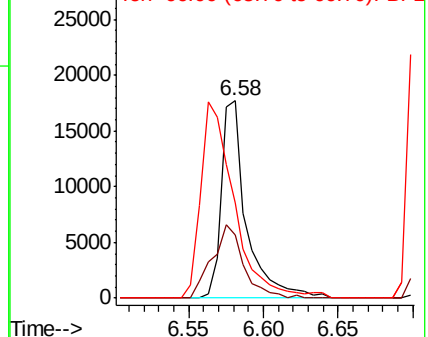
94 100

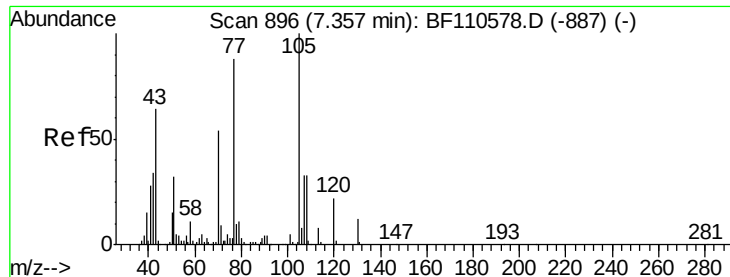
65 32.2 25.3 65.3

66 48.5 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

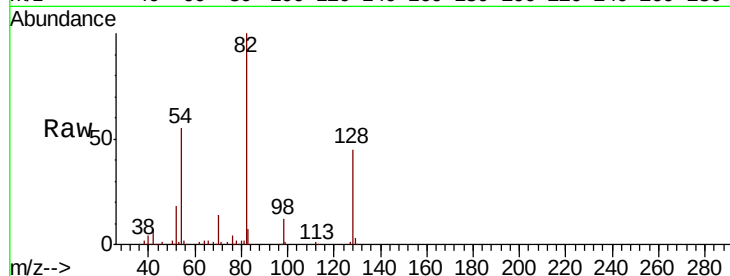




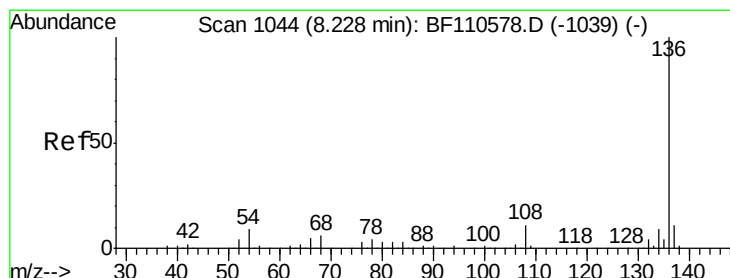
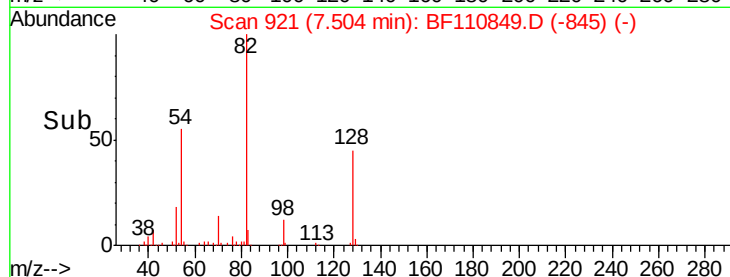
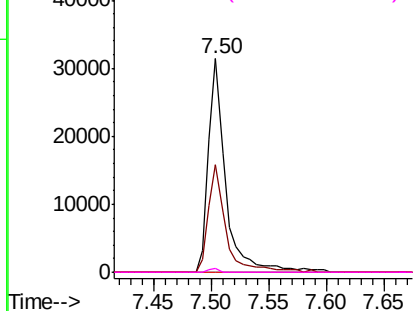
#19
n-Nitroso-di-n-propylamine
Concen: 11.083 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 32895
Ion Ratio Lower Upper
70 100
42 50.1 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



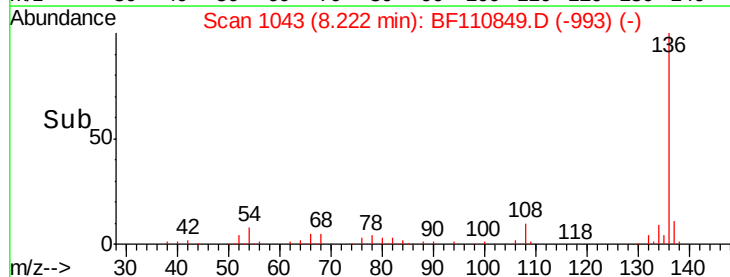
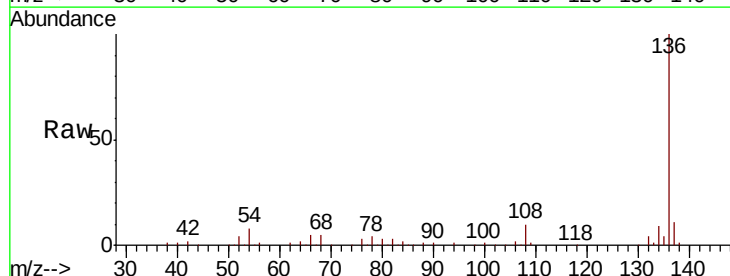
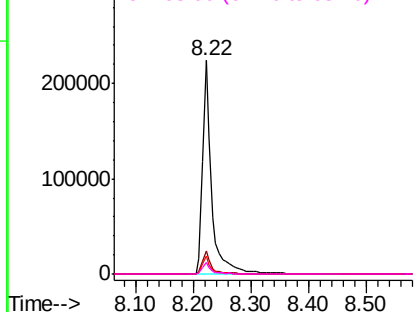
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

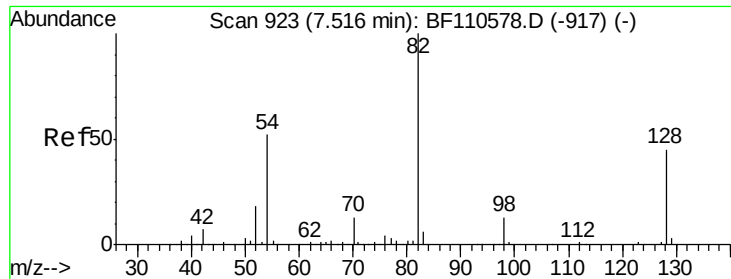


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Tgt Ion:136 Resp: 249437
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.1 5.4 8.2
68 5.1 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

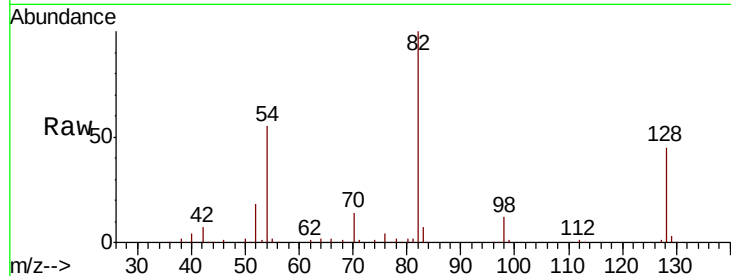




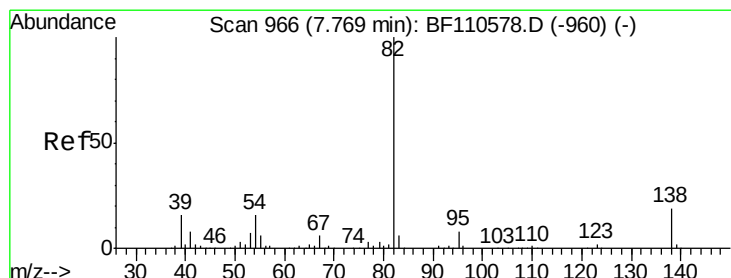
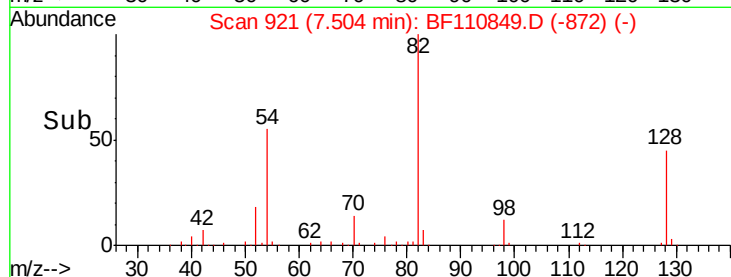
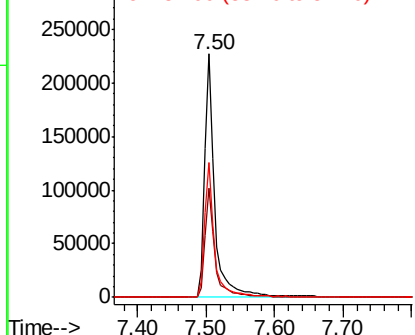
#23
Nitrobenzene-d5
Concen: 56.572 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	245029
Ion Ratio	Lower	Upper	
82	100		
128	45.0	34.2	51.2
54	55.3	38.6	58.0

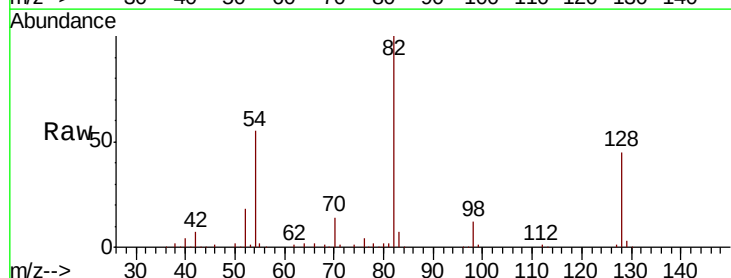


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

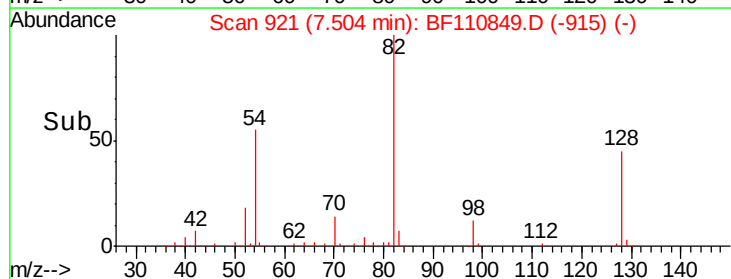
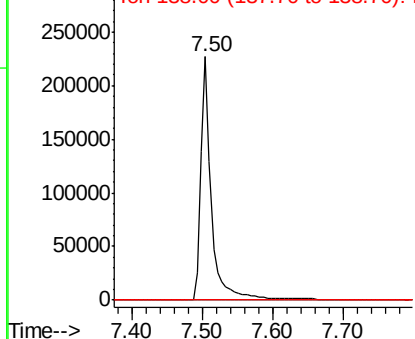


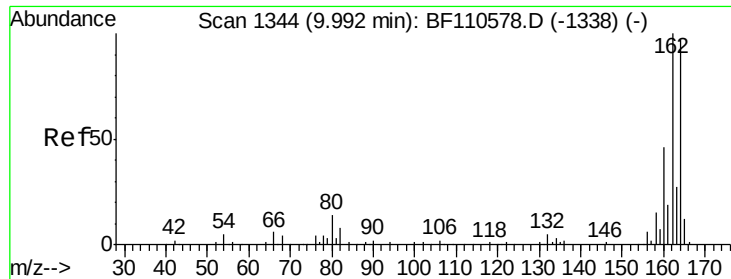
#25
Isophorone
Concen: 34.516 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Tgt Ion	82	Resp	245028
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: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

Instrument :

BNA_F

ClientSampleId :

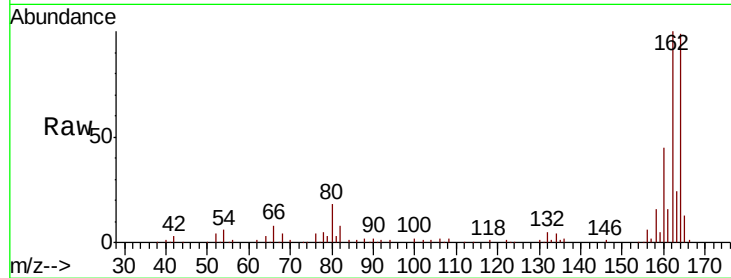
Tot Ion:164 Resp: 116955

Ion Ratio Lower Upper

164 100

162 100.6 83.0 124.6

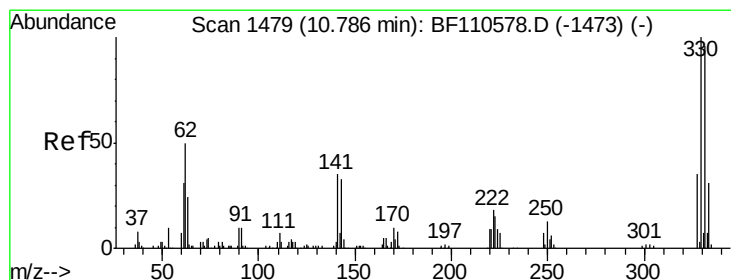
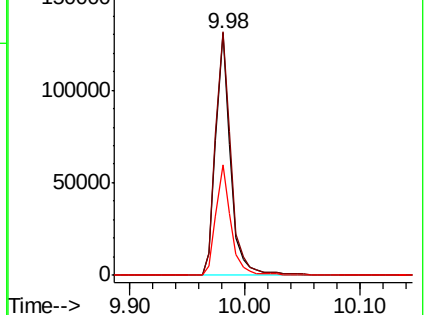
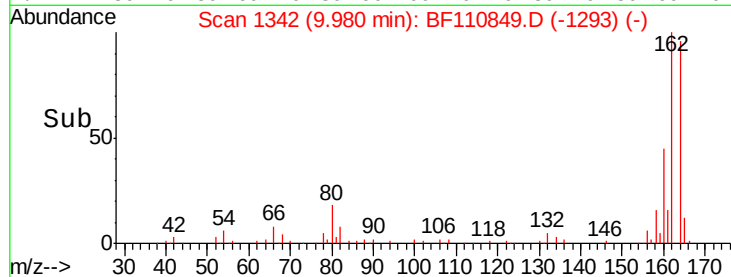
160 45.5 37.0 55.6



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: 77.943 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

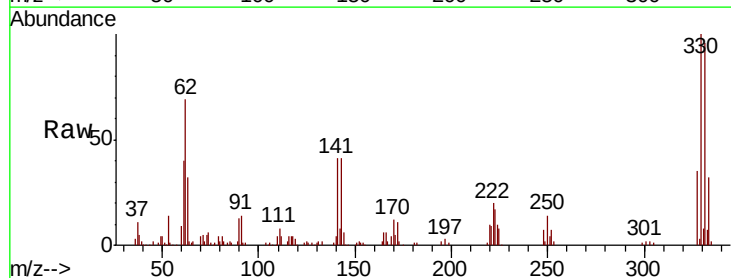
Tgt Ion:330 Resp: 91853

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

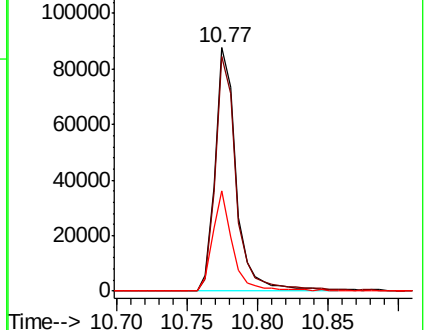
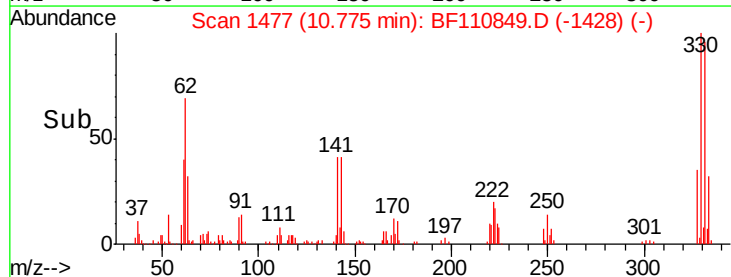
141 38.8 27.0 40.4

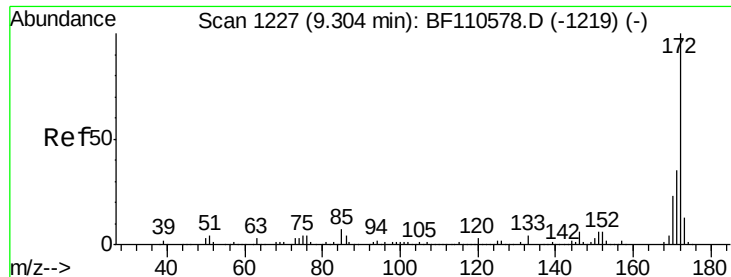


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

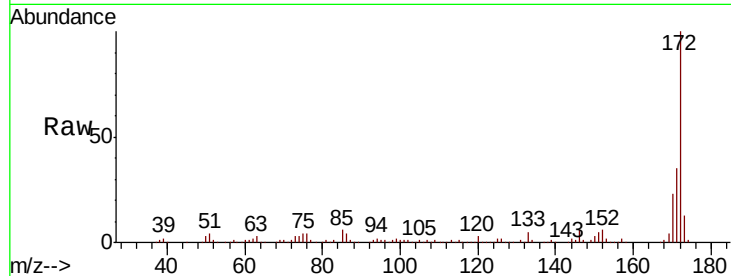




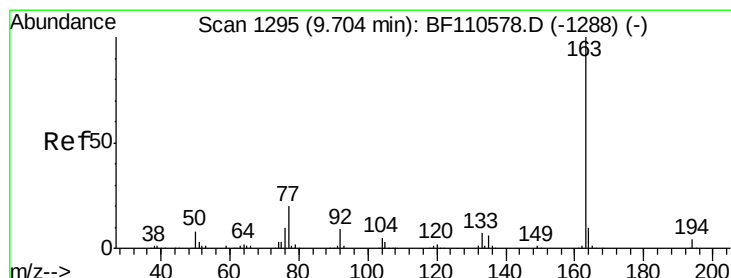
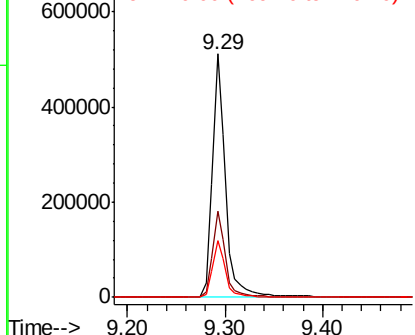
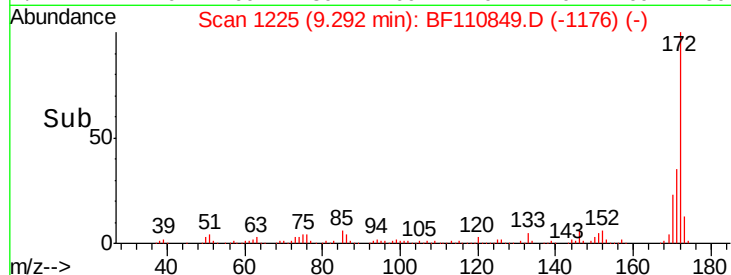
#45
2-Fluorobiphenyl
Concen: 58.638 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 480192
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.2 19.7 29.5

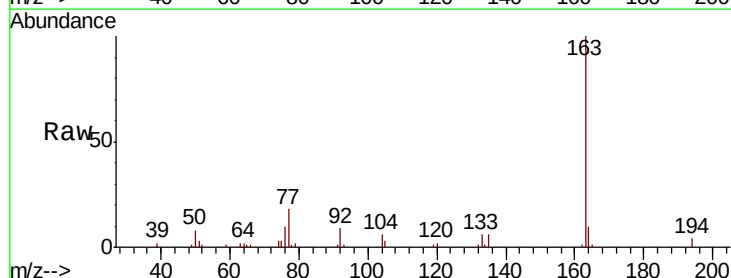


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

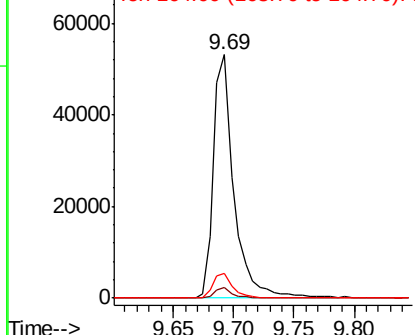
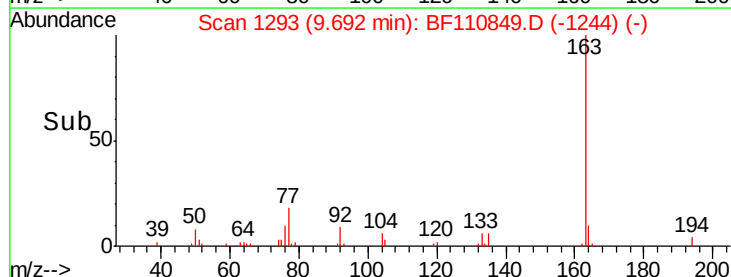


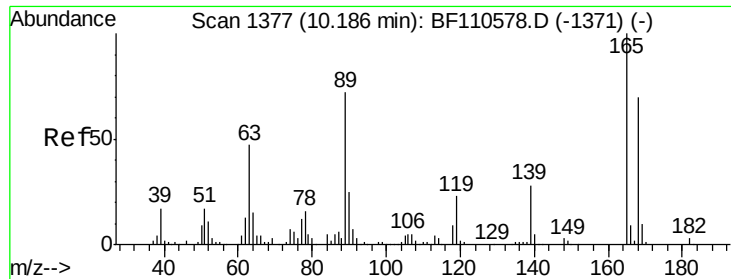
#50
Dimethylphthalate
Concen: 7.110 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Tgt Ion:163 Resp: 62051
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 9.9 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

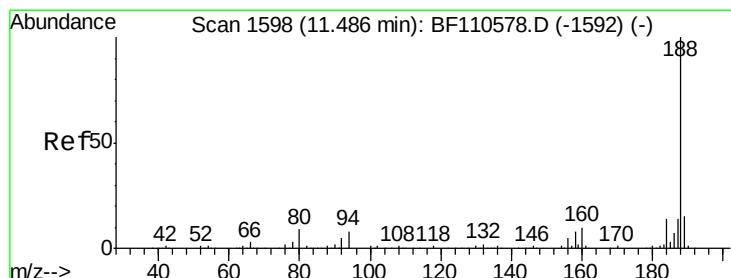
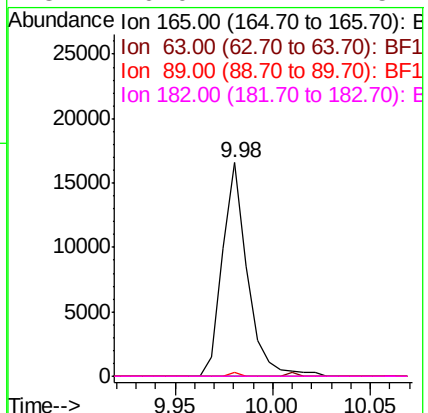
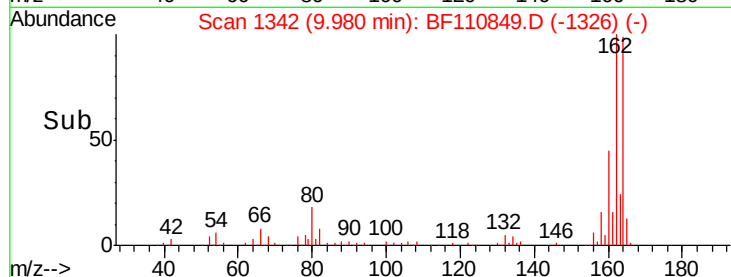
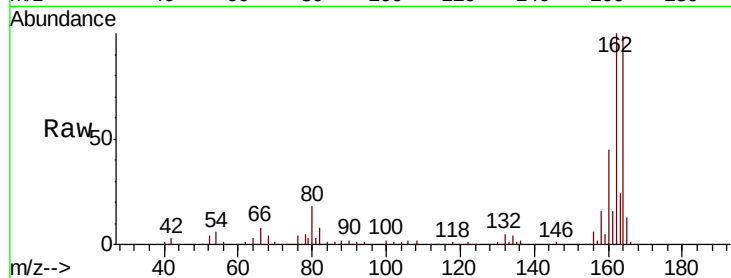




#57
 2,4-Dinitrotoluene
 Concen: 5.950 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110849.D
 Acq: 19 Nov 2018 13:31

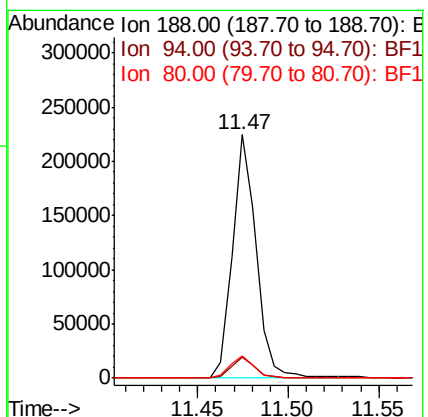
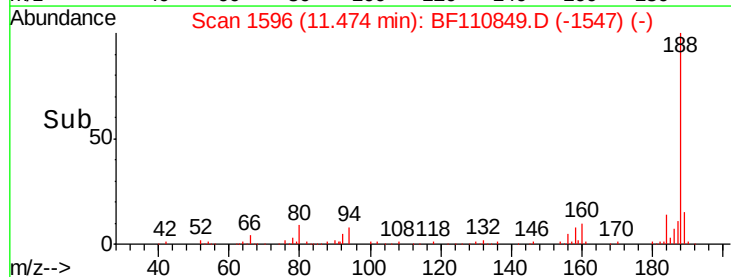
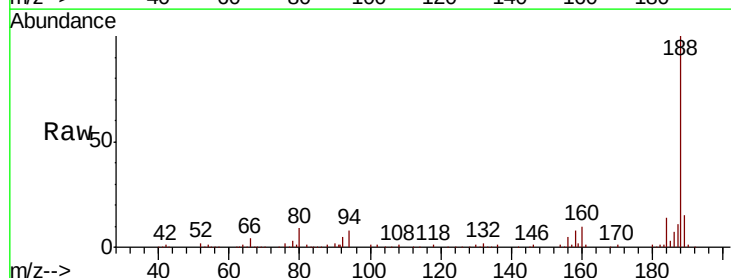
Instrument :
 BNA_F
 ClientSampled :

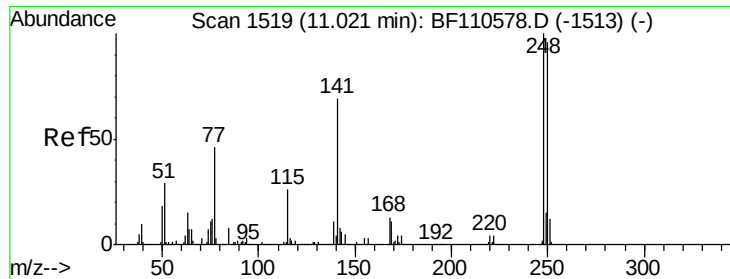
Tot Ion:	165	Resp:	14852
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.9	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110849.D
 Acq: 19 Nov 2018 13:31

Tgt Ion:	188	Resp:	205035
Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	9.3	7.9	11.9

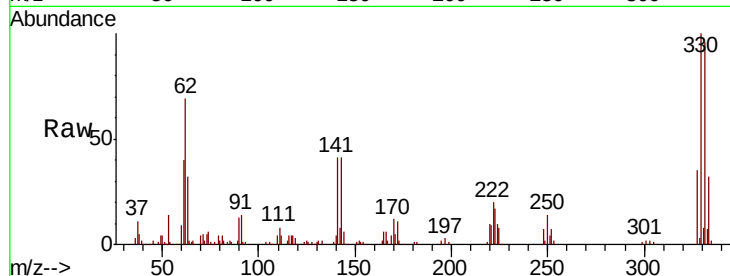




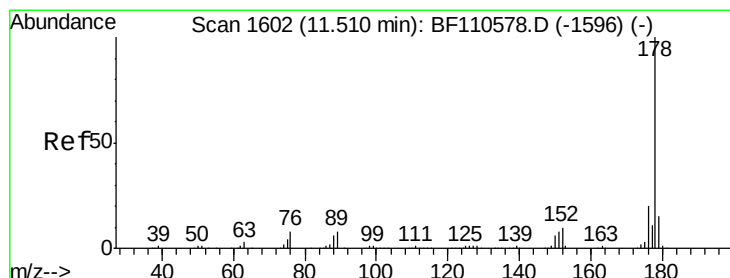
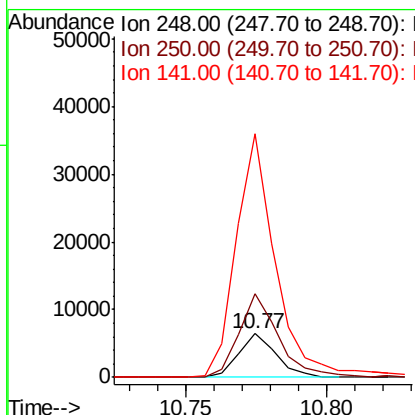
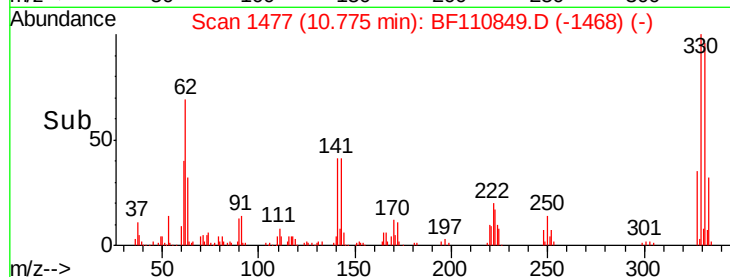
#67
 4-Bromophenyl-phenylether
 Concen: 2.608 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110849.D
 Acq: 19 Nov 2018 13:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5910
 Ion Ratio Lower Upper
 248 100
 250 190.8 79.4 119.2#
 141 559.9 55.9 83.9#

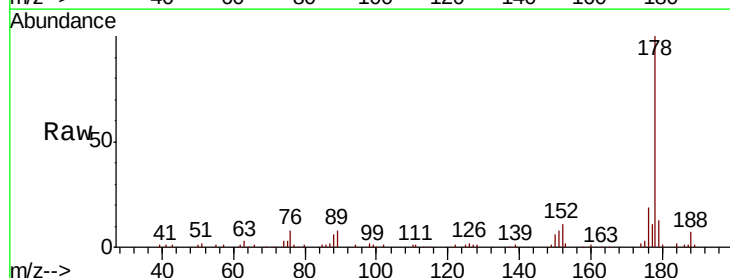


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

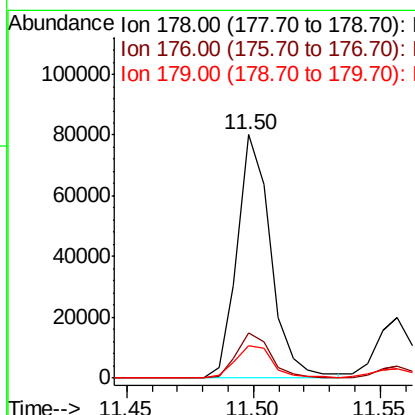
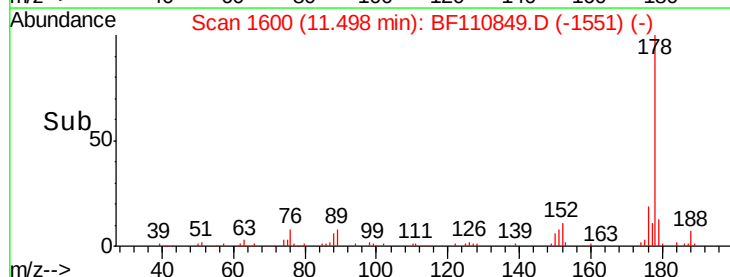


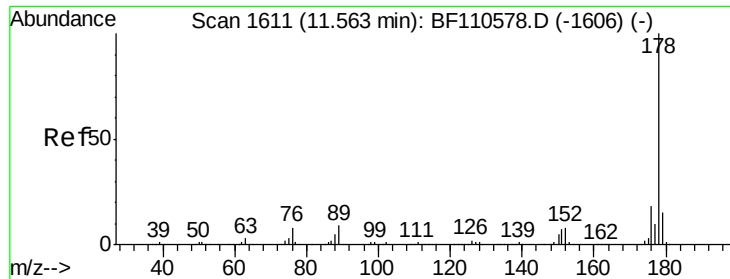
#71
 Phenanthrene
 Concen: 6.752 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF110849.D
 Acq: 19 Nov 2018 13:31

Tgt Ion:178 Resp: 74171
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 13.4 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: 2.083 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

Instrument :

BNA_F

ClientSampled :

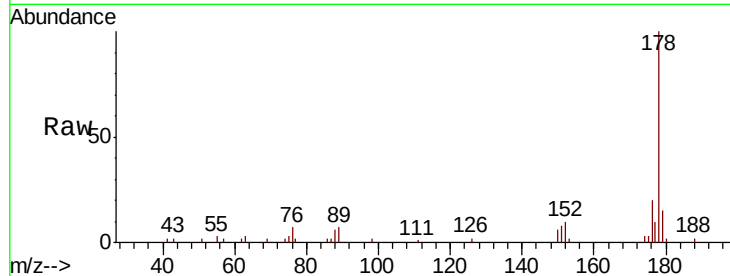
Tot Ion:178 Resp: 23082

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

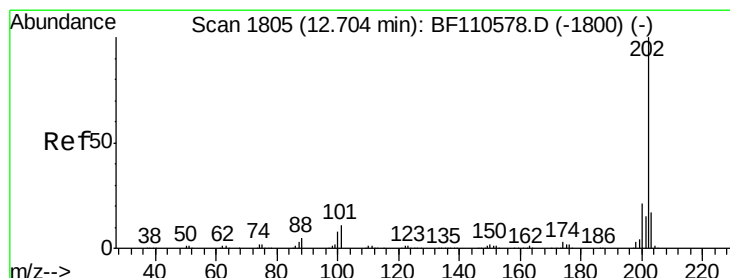
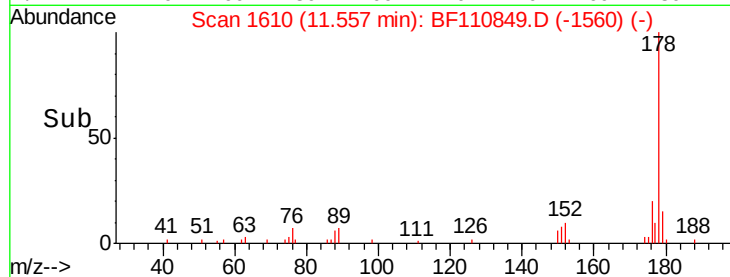
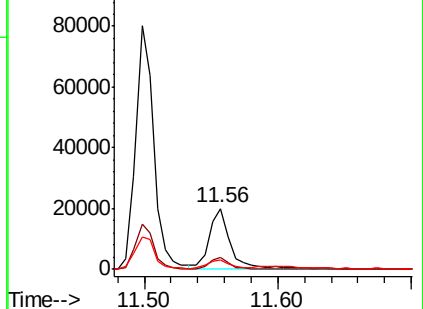
179 15.0 12.6 18.8



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: 10.784 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

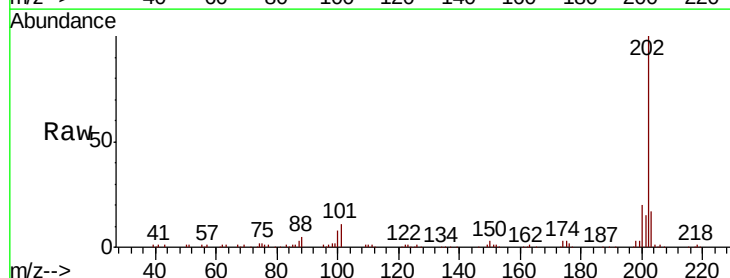
Tgt Ion:202 Resp: 118758

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.4

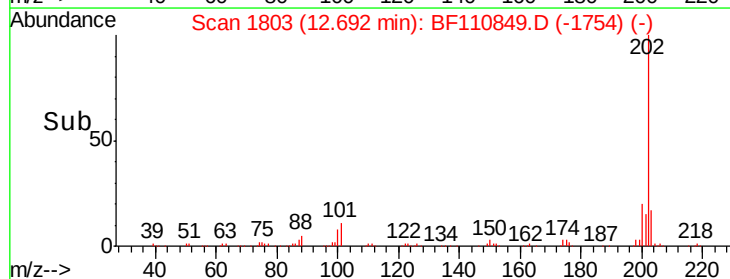
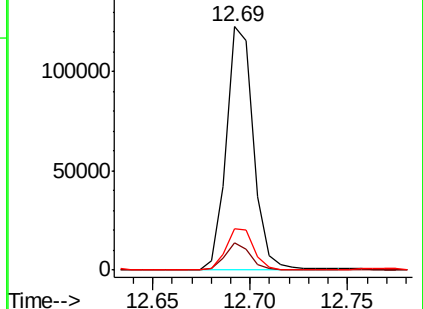
203 17.2 0.0 37.7

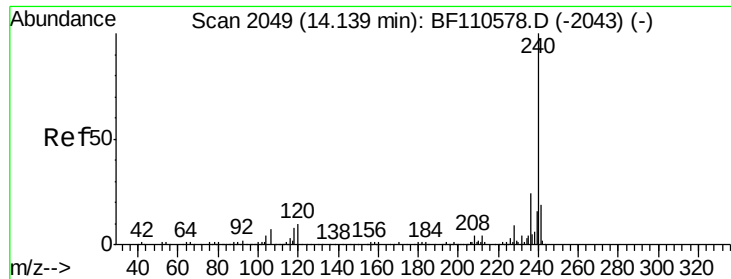


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

Instrument :

BNA_F

ClientSampleId :

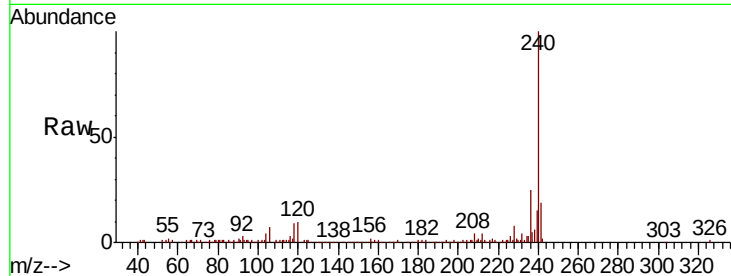
Tot Ion:240 Resp: 127797

Ion Ratio Lower Upper

240 100

120 10.4 8.3 12.5

236 24.9 21.2 31.8

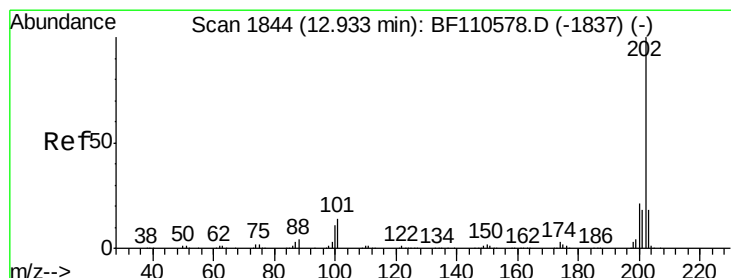
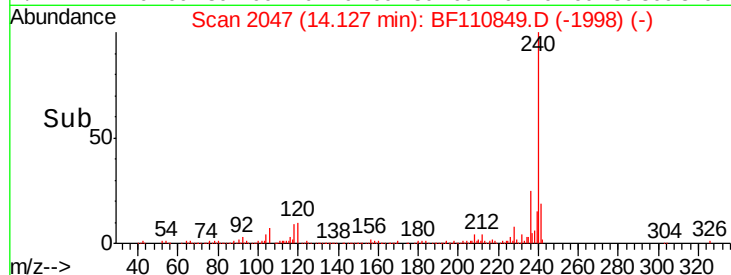
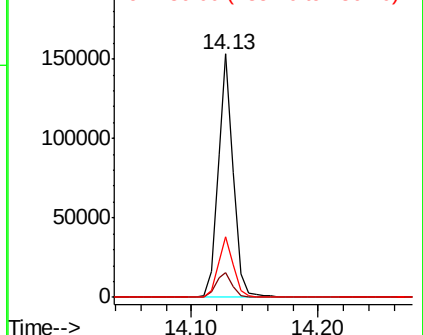


Abundance

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: 10.452 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

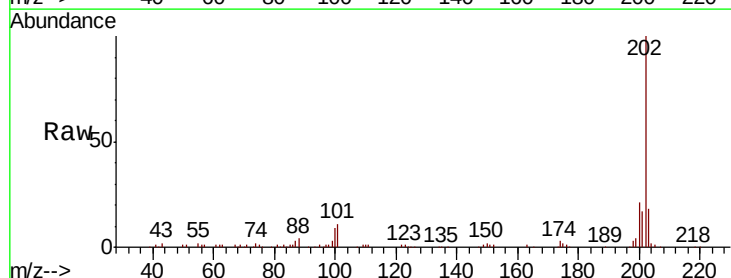
Tgt Ion:202 Resp: 102848

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

203 18.5 14.2 21.4

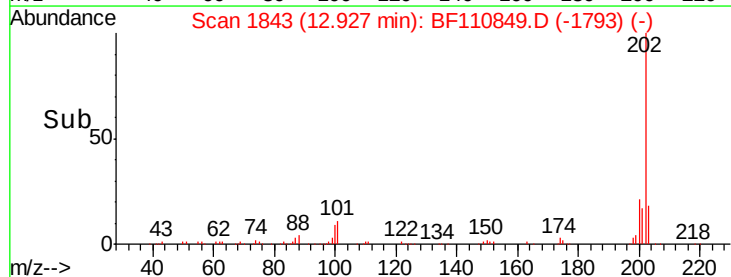
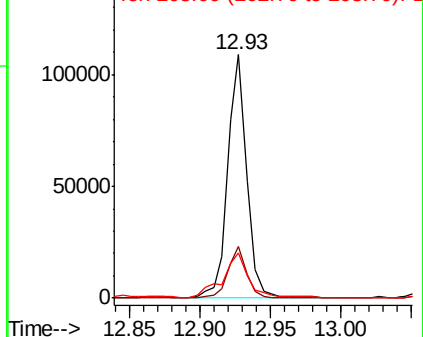


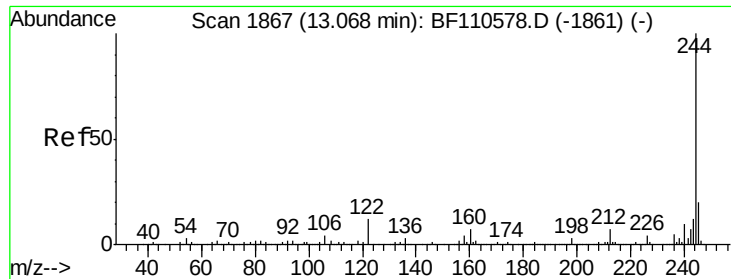
Abundance

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: 55.019 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

Instrument :

BNA_F

ClientSampled :

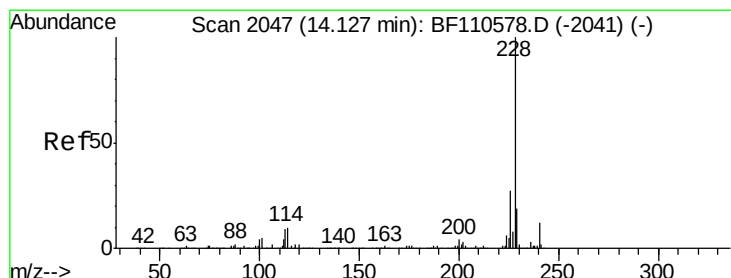
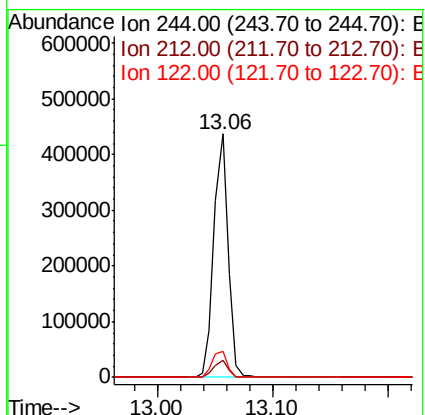
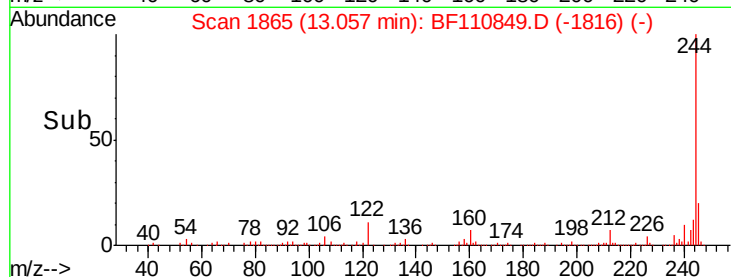
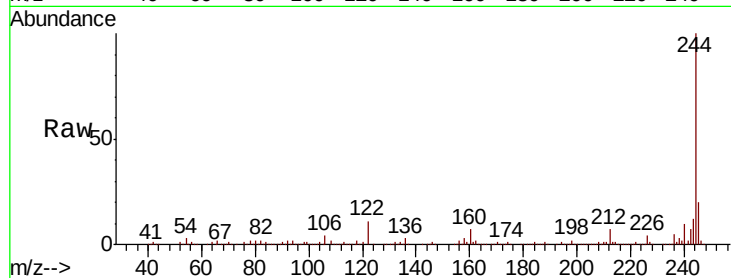
Tot Ion:244 Resp: 375449

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.9 8.7 13.1



#81

Benzo(a)anthracene

Concen: 7.331 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

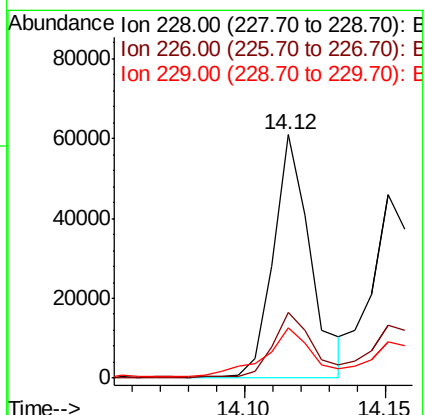
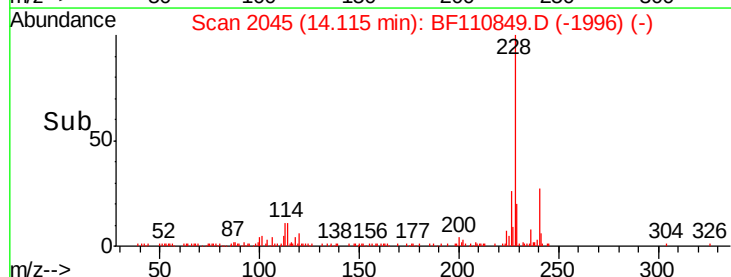
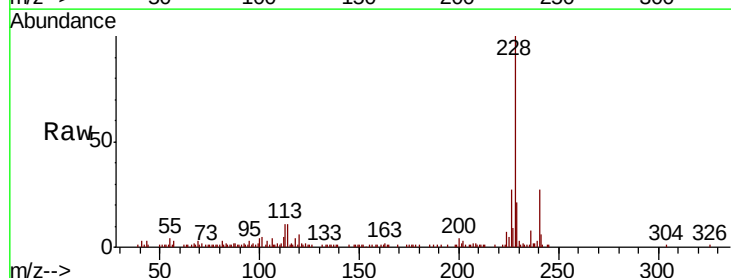
Tgt Ion:228 Resp: 56000

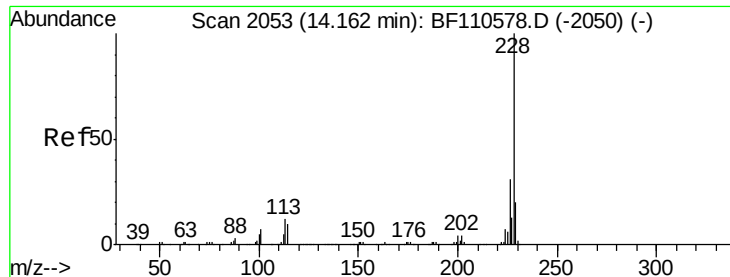
Ion Ratio Lower Upper

228 100

226 27.0 22.1 33.1

229 20.7 15.6 23.4

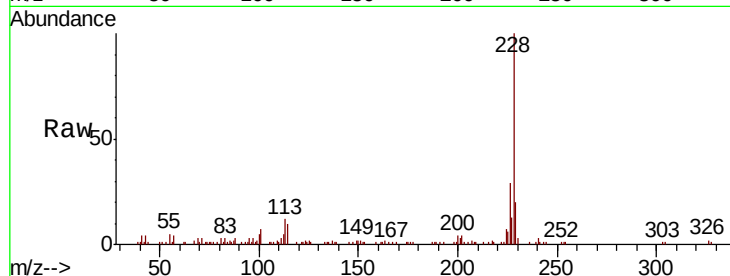




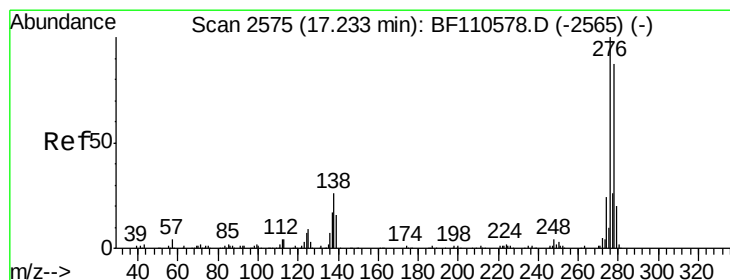
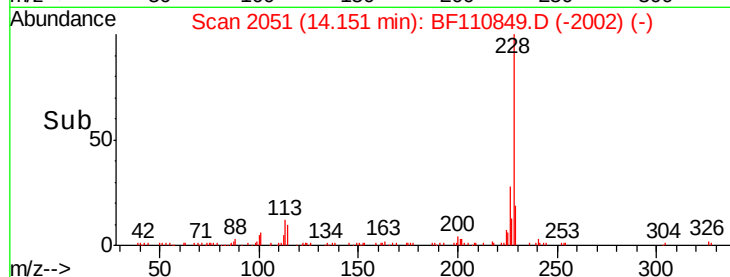
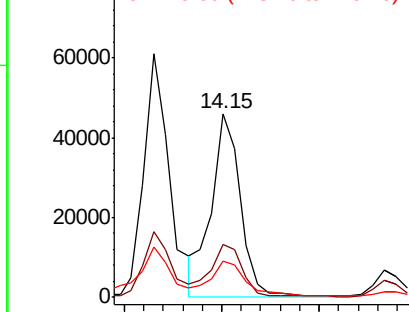
#83
Chrysene
Concen: 6.662 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 48480
Ion Ratio Lower Upper
228 100
226 28.5 24.7 37.1
229 19.7 15.9 23.9

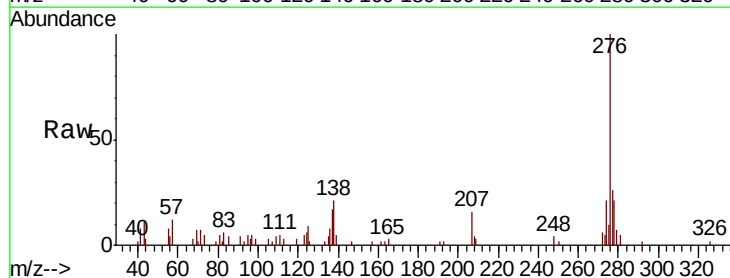


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

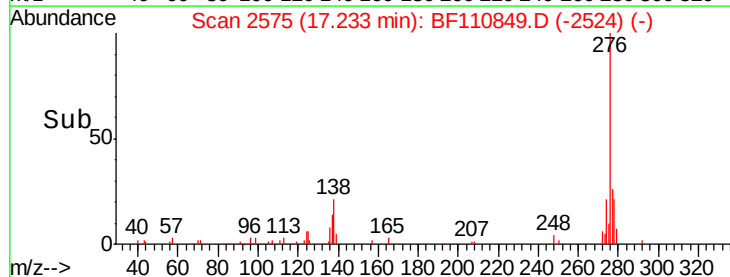
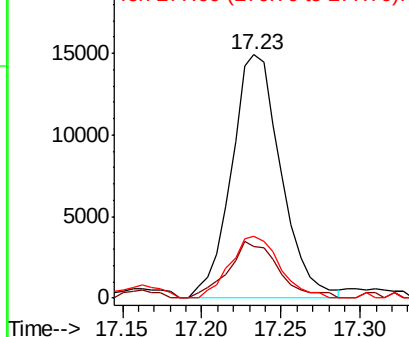


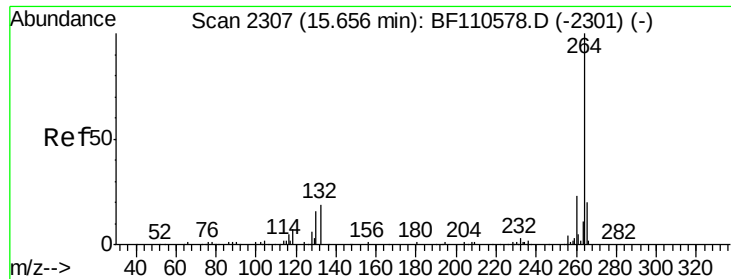
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.185 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.00 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Tgt Ion:276 Resp: 32300
Ion Ratio Lower Upper
276 100
138 23.7 18.5 27.7
277 25.4 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# 2307

Delta R.T. 0.00 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

Instrument :

BNA_F

ClientSampled :

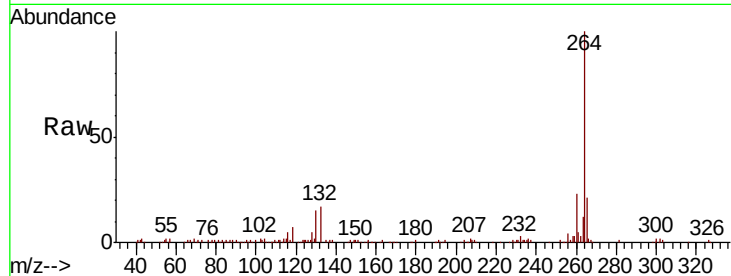
Tot Ion:264 Resp: 133580

Ion Ratio Lower Upper

264 100

260 22.6 18.7 28.1

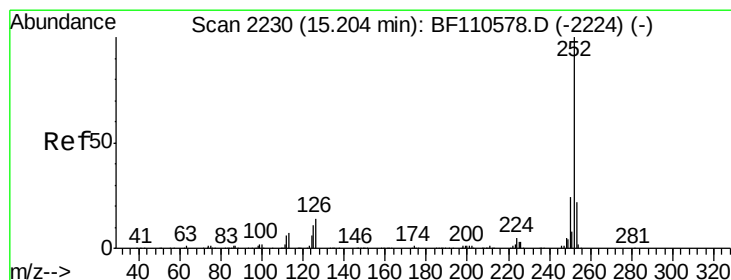
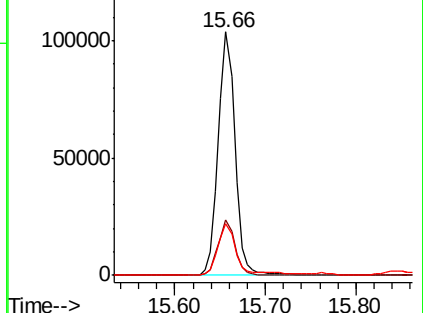
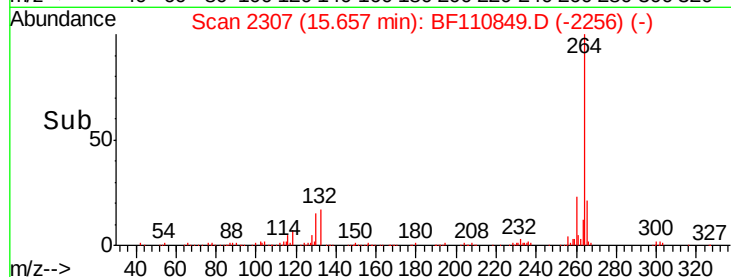
265 21.1 16.7 25.1



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: 12.023 ng

RT: 15.20 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF110849.D

Acq: 19 Nov 2018 13:31

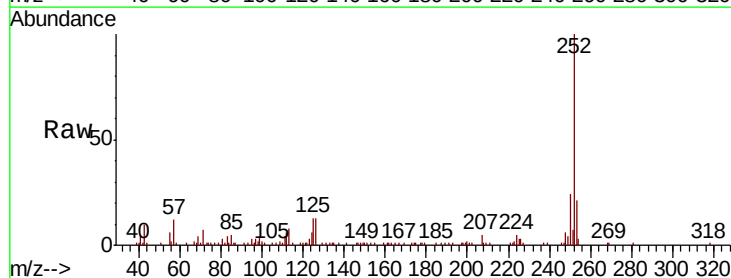
Tgt Ion:252 Resp: 96080

Ion Ratio Lower Upper

252 100

253 20.7 17.2 25.8

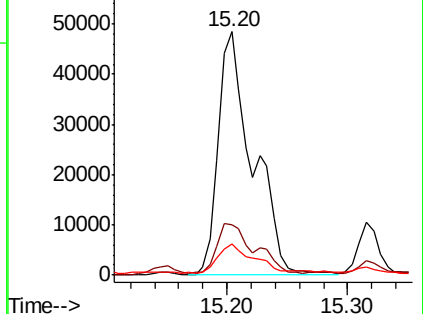
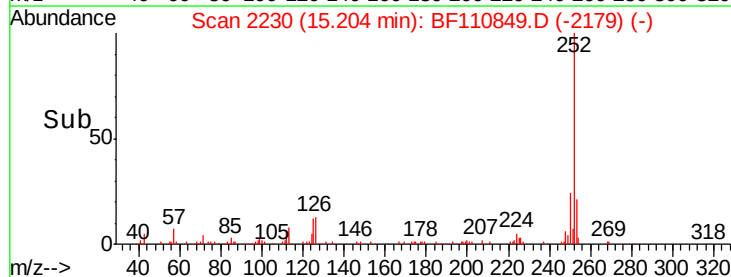
125 12.6 8.2 12.4#

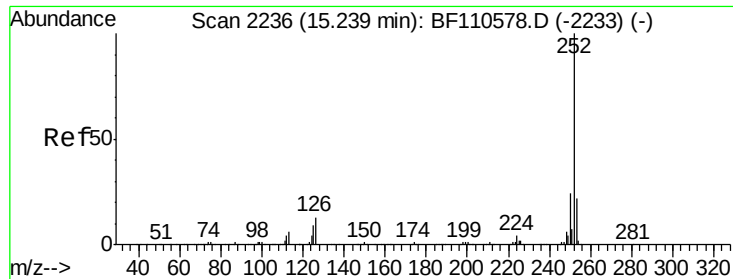


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

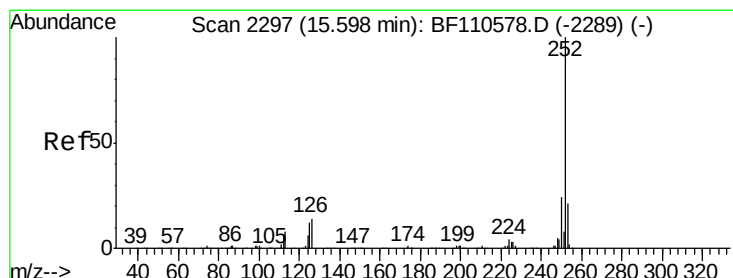
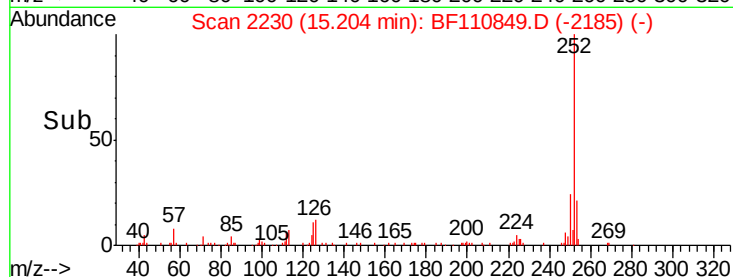
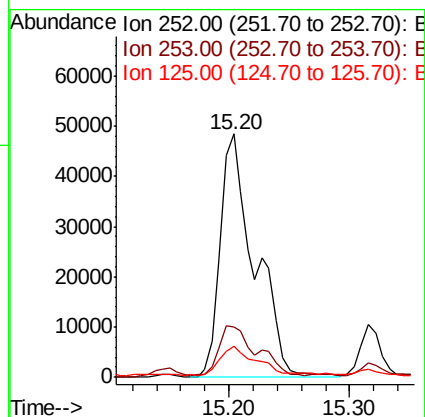
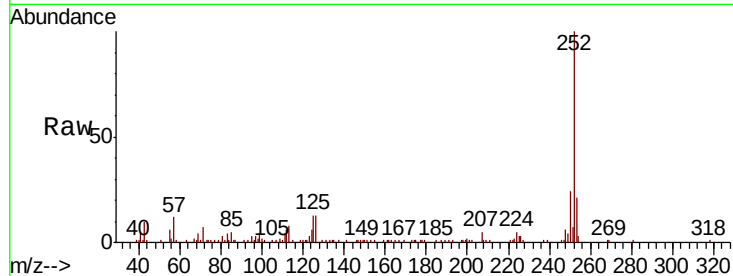




#89
Benzo(k)fluoranthene
Concen: 12.168 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

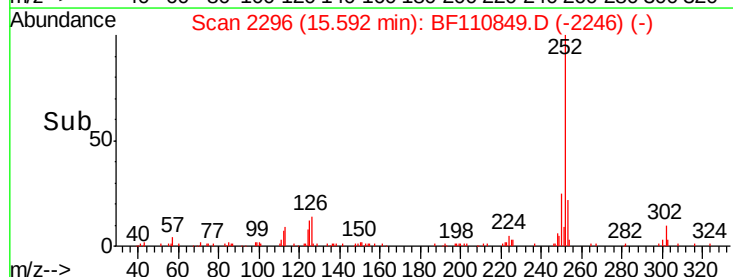
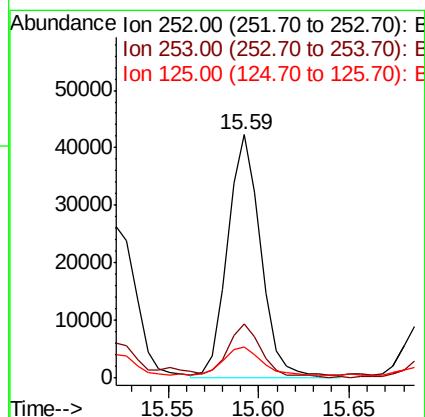
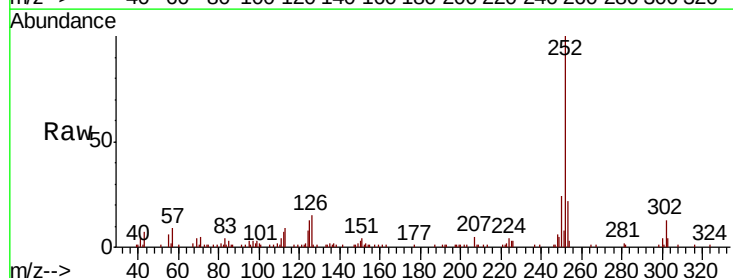
Instrument :
BNA_F
ClientSampleId :

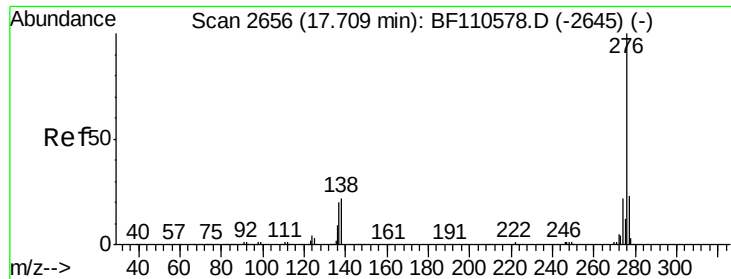
Tot Ion:252 Resp: 96080
Ion Ratio Lower Upper
252 100
253 20.7 17.2 25.8
125 12.6 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 7.475 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110849.D
Acq: 19 Nov 2018 13:31

Tgt Ion:252 Resp: 54276
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 13.0 9.0 13.6

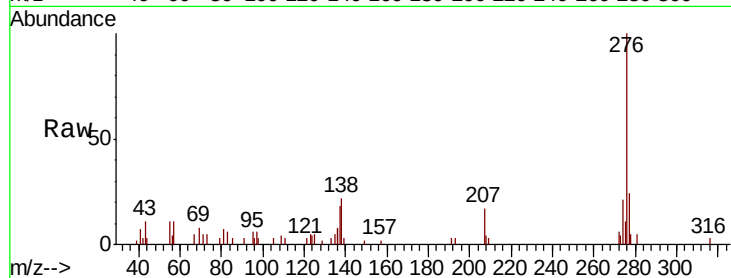




#92
 Benzo(a,h,i)perylene
 Concen: 4.838 ng
 RT: 17.72 min Scan# 2657
 Delta R.T. 0.01 min
 Lab File: BF110849.D
 Acq: 19 Nov 2018 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	22.3	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

