

Data Path : Z:\HPCHEM1\BNA F\Data\BF011515\
 Data File : BF076886.D
 Acq On : 15 Jan 2015 16:14
 Operator : IZ / TP
 Sample : G1030-06 10X
 Misc : S
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 00:43:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 15 11:52:04 2015
 Response via : Initial Calibration

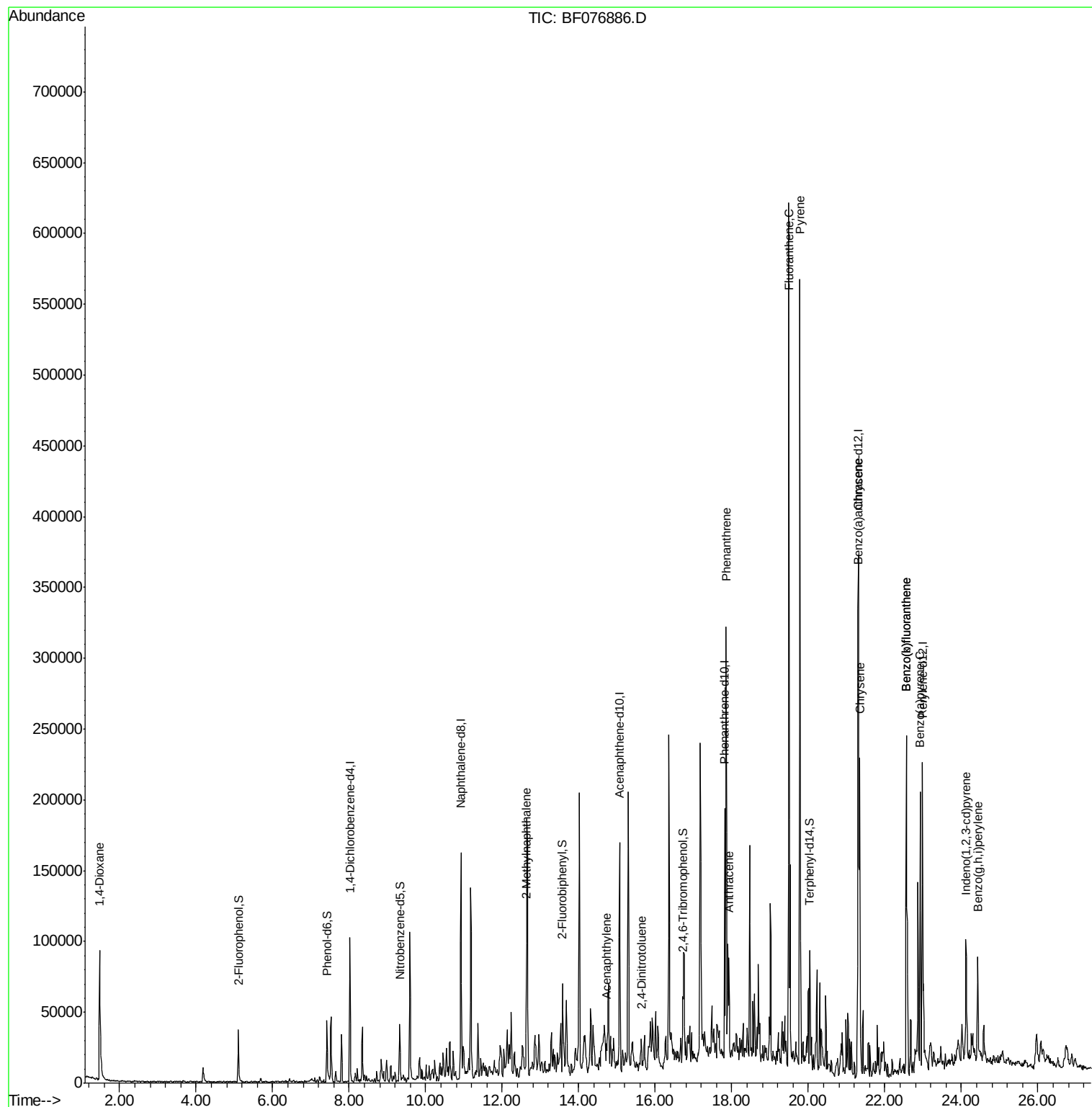
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	27716	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	114352	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	60240	20.00	ng	-0.01
63) Phenanthrene-d10	17.82	188	94897	20.00	ng	0.00
75) Chrysene-d12	21.31	240	100278	20.00	ng	0.00
86) Perylene-d12	22.99	264	100902	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	22186	13.16	ng	0.01
7) Phenol-d6	7.42	99	26684	12.55	ng	0.00
23) Nitrobenzene-d5	9.32	82	17282	8.37	ng	0.00
41) 2,4,6-Tribromophenol	16.72	330	5334	10.91	ng	0.00
44) 2-Fluorobiphenyl	13.58	172	31802	8.03	ng	-0.01
78) Terphenyl-d14	20.04	244	30844	7.08	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.48	88	3829	5.30	ng	# 12
37) 2-Methylnaphthalene	12.63	142	20555	5.11	ng	97
48) Acenaphthylene	14.72	152	15073	2.43	ng	94
56) 2,4-Dinitrotoluene	15.65	165	525	2.50	ng	# 20
70) Phenanthrene	17.85	178	99512	16.82	ng	99
71) Anthracene	17.92	178	30960	5.36	ng	95
74) Fluoranthene	19.49	202	265987	43.86	ng	98
77) Pyrene	19.77	202	231745	33.72	ng	# 96
80) Benzo(a)anthracene	21.29	228	131642	20.92	ng	100
82) Chrysene	21.34	228	93722	16.33	ng	96
85) Indeno(1,2,3-cd)pyrene	24.12	276	53606	8.82	ng	# 86
87) Benzo(b)fluoranthene	22.56	252	176361	25.95	ng	99
88) Benzo(k)fluoranthene	22.56	252	178843	30.12	ng	98
89) Benzo(a)pyrene	22.92	252	95911	16.00	ng	# 95
91) Benzo(a,h,i)perylene	24.43	276	51670	9.45	ng	96

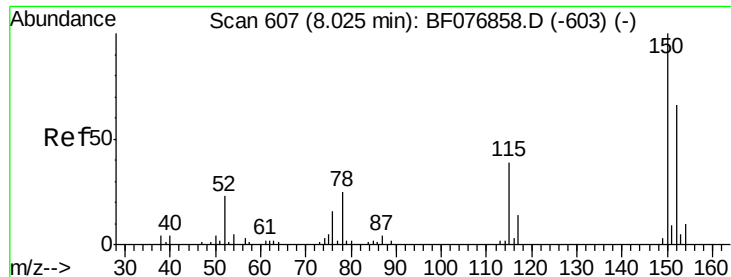
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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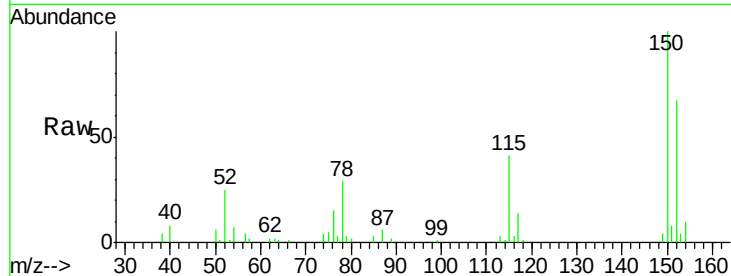


#1

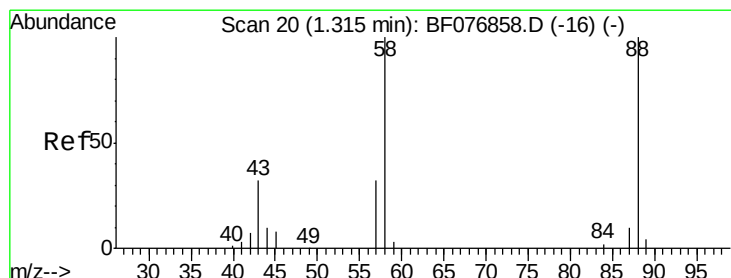
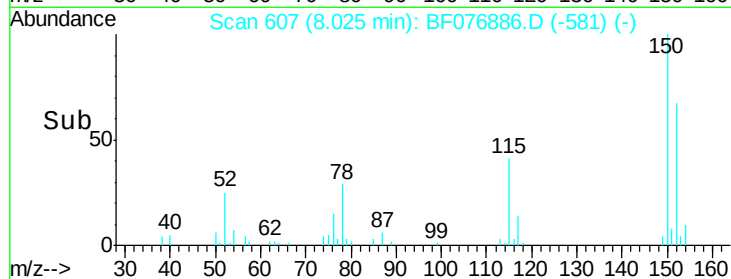
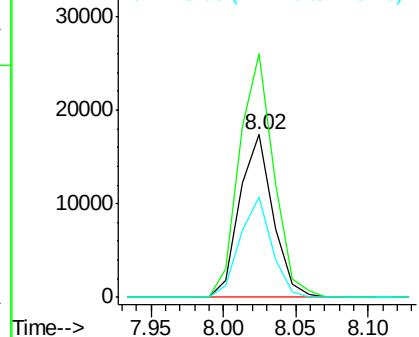
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 27716
Ion Ratio Lower Upper
152 100
150 149.6 121.7 182.5
115 61.7 47.0 70.6



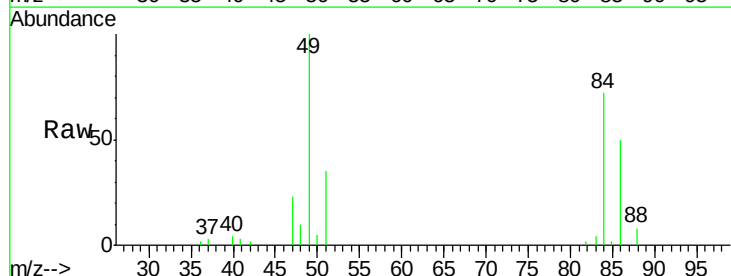
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



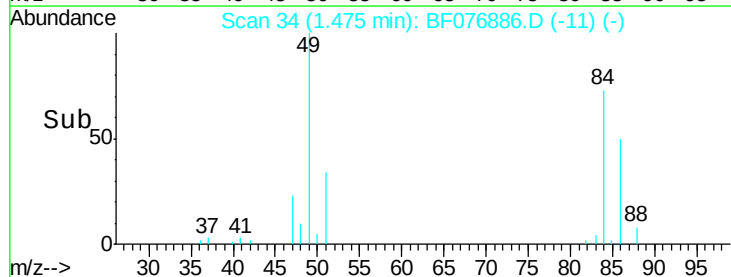
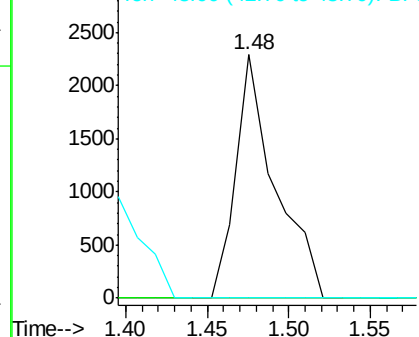
#2

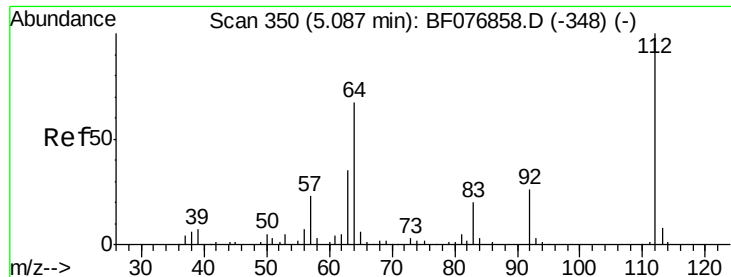
1,4-Dioxane
Concen: 5.30 ng
RT: 1.48 min Scan# 34
Delta R.T. 0.16 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion: 88 Resp: 3829
Ion Ratio Lower Upper
88 100
58 0.0 77.0 115.4#
43 0.0 25.6 38.4#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 13.16 ng

RT: 5.10 min Scan# 351

Delta R.T. 0.01 min

Lab File: BF076886.D

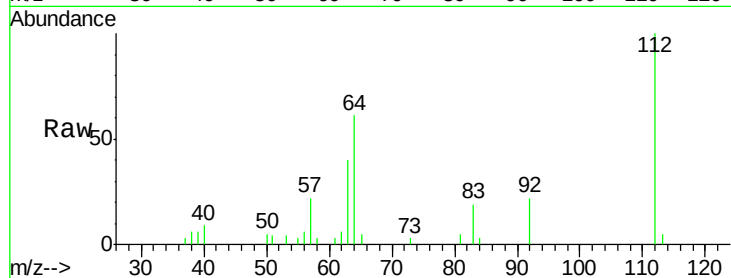
Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

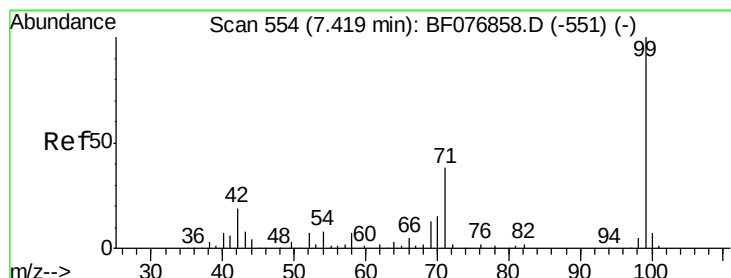
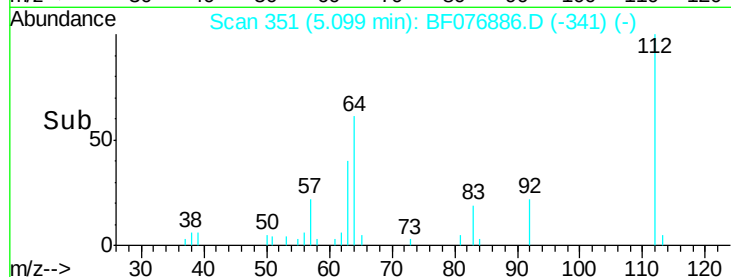
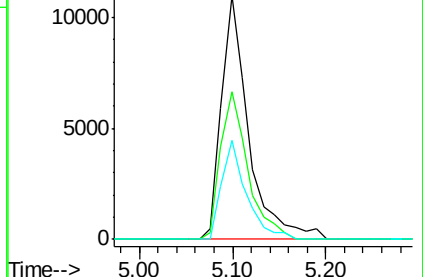
Tot Ion:	112	Resp:	22186
Ion	Ratio	Lower	Upper
112	100		
64	60.5	54.2	81.4
63	40.5	28.4	42.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 12.55 ng

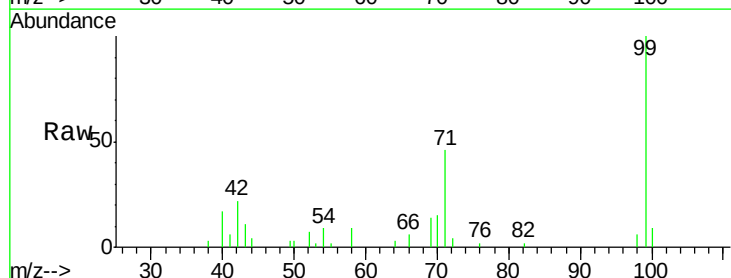
RT: 7.42 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

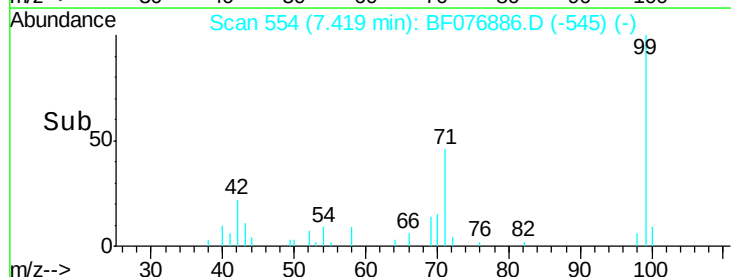
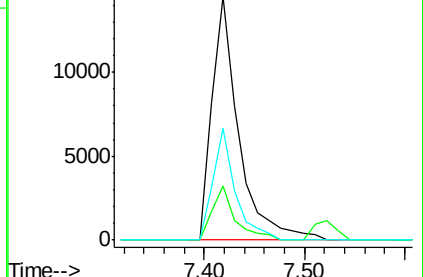
Tgt Ion:	99	Resp:	26684
Ion	Ratio	Lower	Upper
99	100		
42	22.2	15.0	22.4
71	46.1	30.5	45.7#

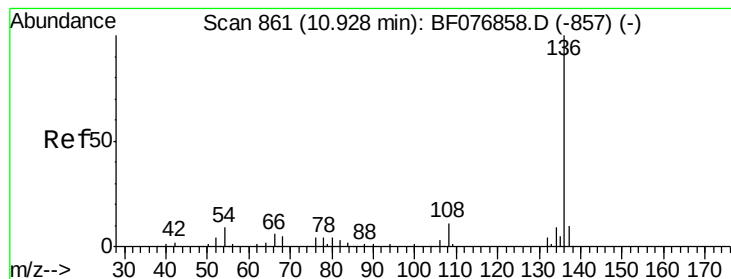


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 114352

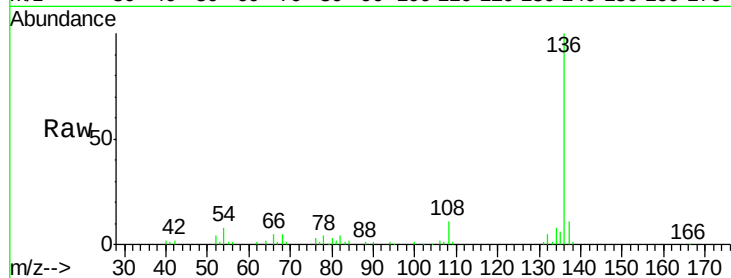
Ion Ratio Lower Upper

136 100

137 10.9 8.1 12.1

54 7.8 7.0 10.4

68 5.0 3.7 5.5

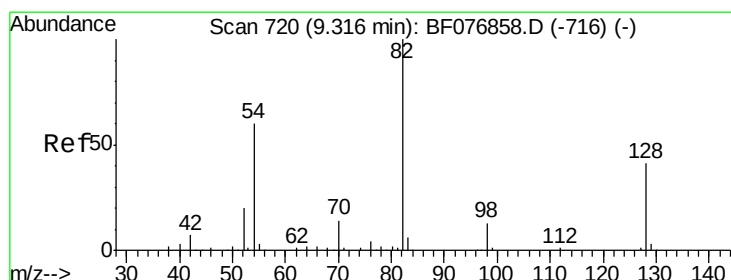
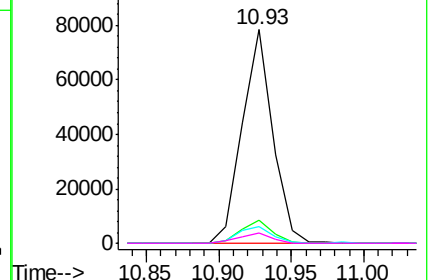
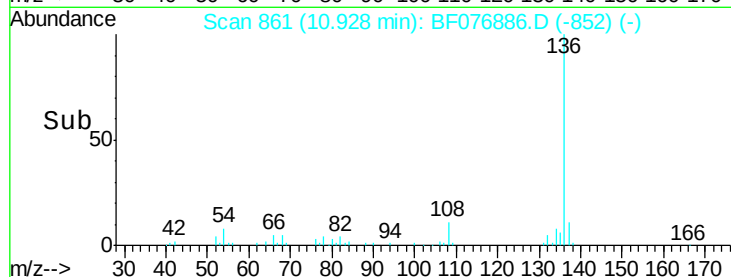


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 8.37 ng

RT: 9.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

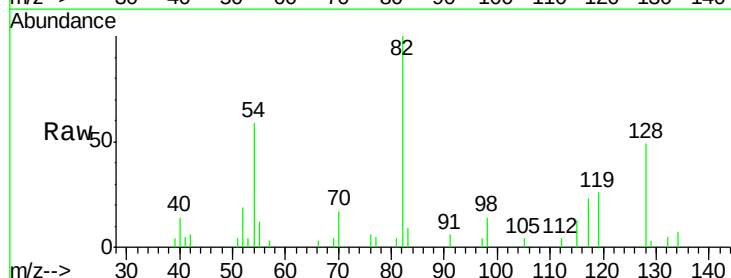
Tgt Ion: 82 Resp: 17282

Ion Ratio Lower Upper

82 100

128 48.7 33.1 49.7

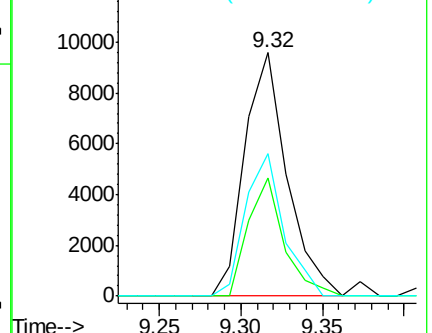
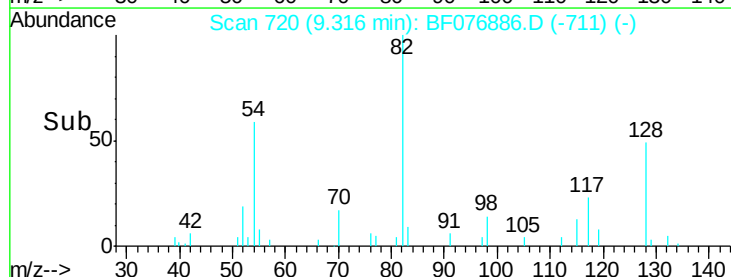
54 58.7 48.3 72.5

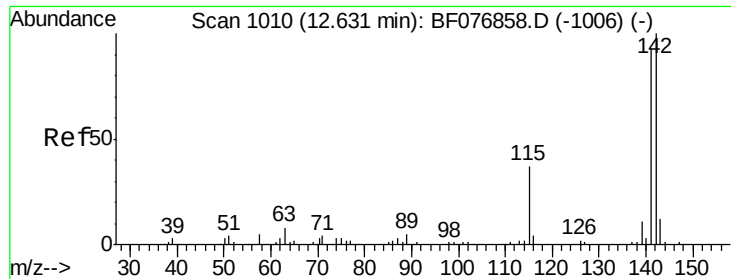


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

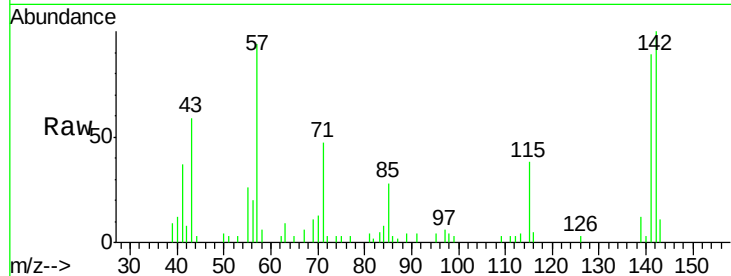




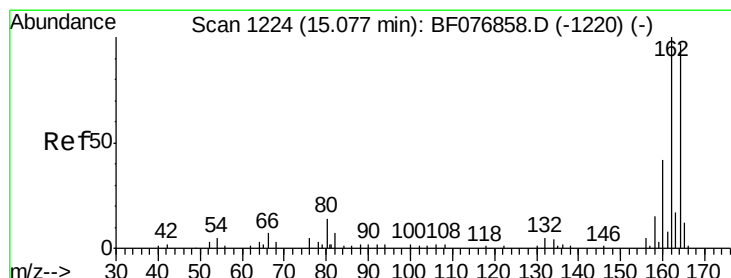
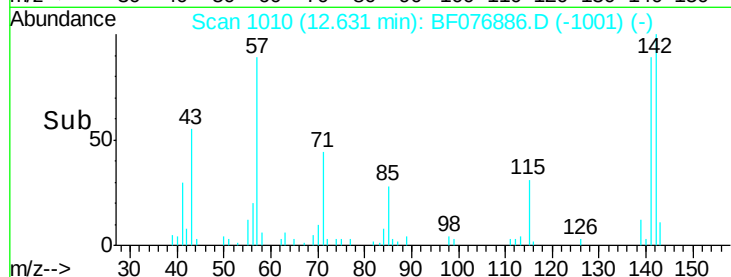
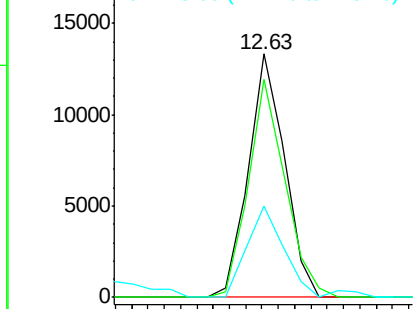
#37
 2-Methylnaphthalene
 Concen: 5.11 ng
 RT: 12.63 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 20555
 Ion Ratio Lower Upper
 142 100
 141 89.4 74.5 111.7
 115 37.8 29.7 44.5

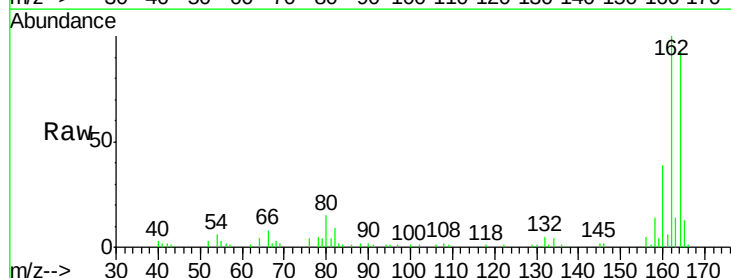


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

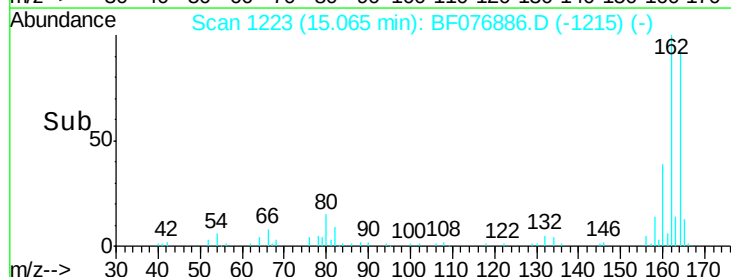
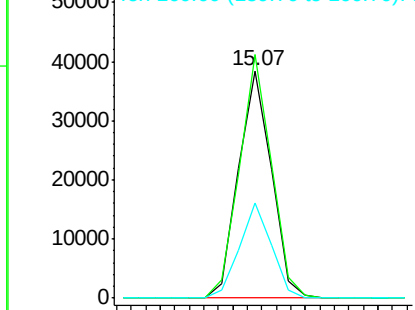


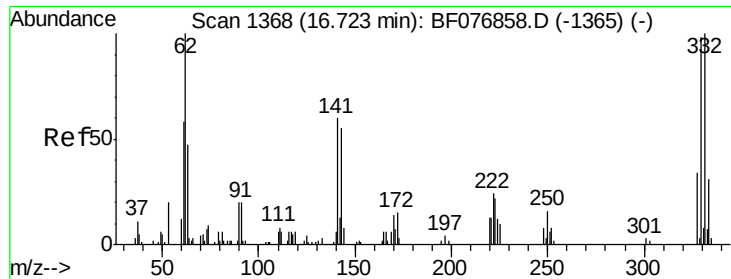
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

Tgt Ion:164 Resp: 60240
 Ion Ratio Lower Upper
 164 100
 162 107.2 82.4 123.6
 160 42.0 34.8 52.2



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

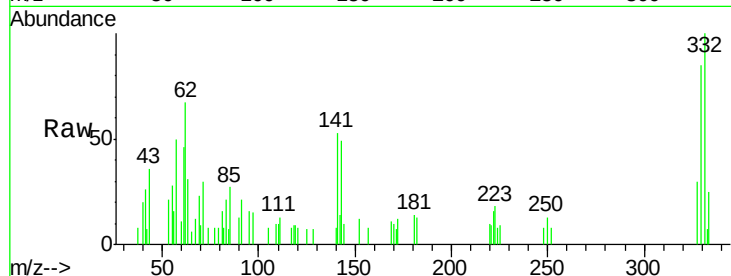




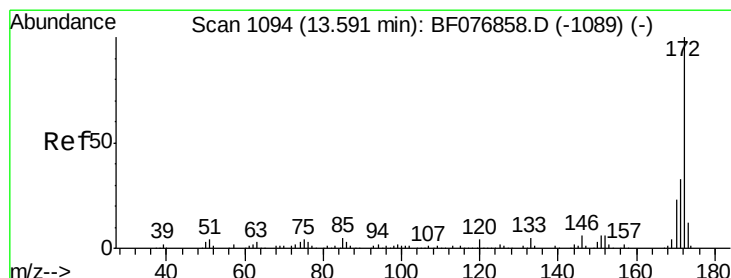
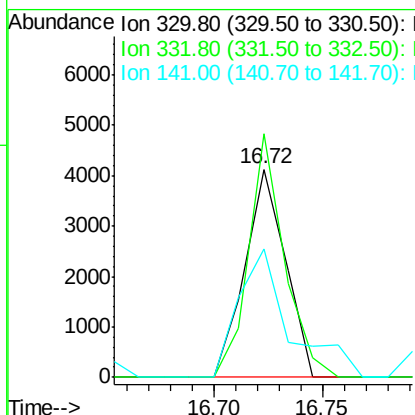
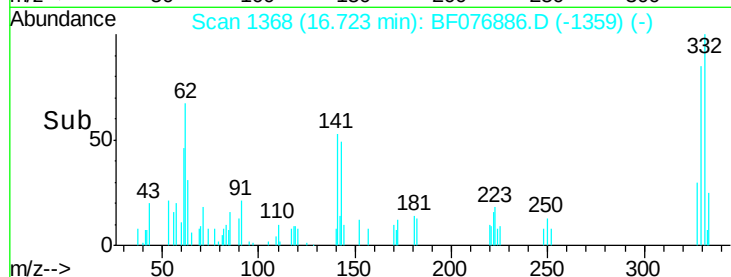
#41
 2,4,6-Tribromophenol
 Concen: 10.91 ng
 RT: 16.72 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 5334
 Ion Ratio Lower Upper
 330 100
 332 103.8 77.8 116.6
 141 78.4 38.5 57.7#

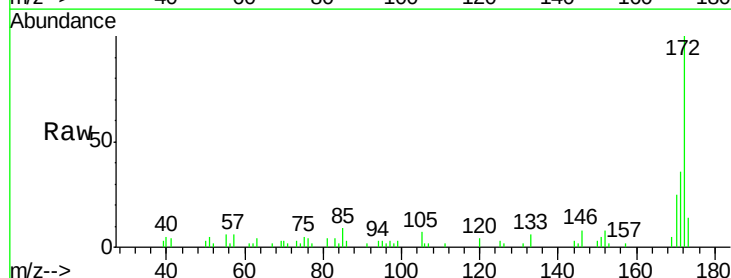


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

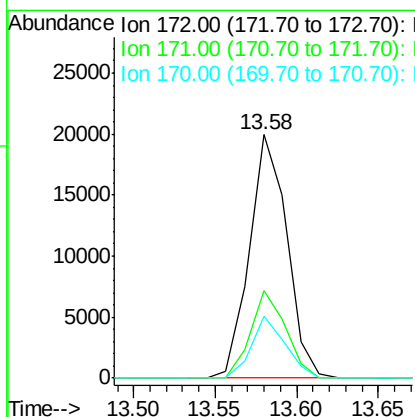
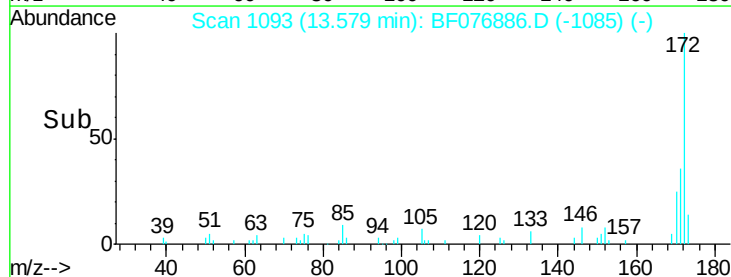


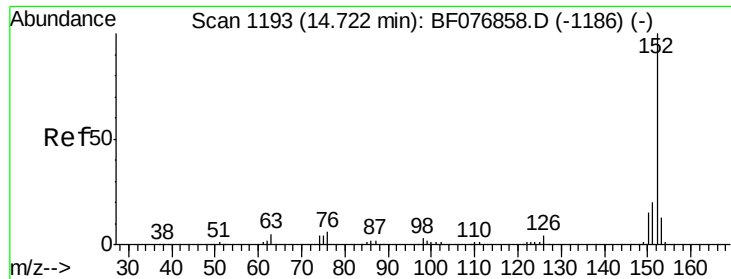
#44
 2-Fluorobiphenyl
 Concen: 8.03 ng
 RT: 13.58 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

Tgt Ion:172 Resp: 31802
 Ion Ratio Lower Upper
 172 100
 171 35.7 26.6 40.0
 170 25.3 18.0 27.0



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





#48

Acenaphthylene

Concen: 2.43 ng

RT: 14.72 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

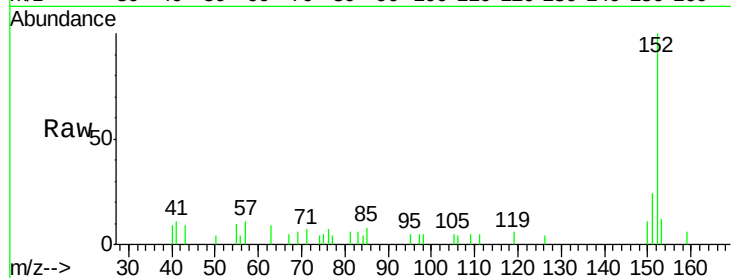
Tot Ion:152 Resp: 15073

Ion Ratio Lower Upper

152 100

151 23.7 15.9 23.9

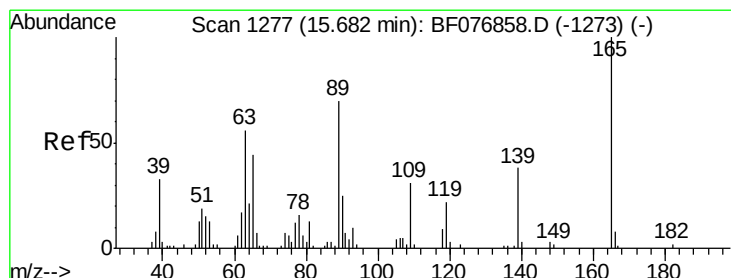
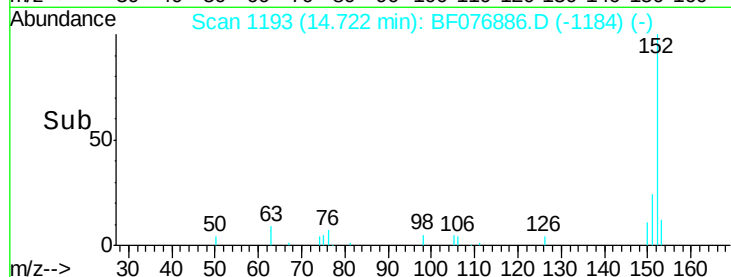
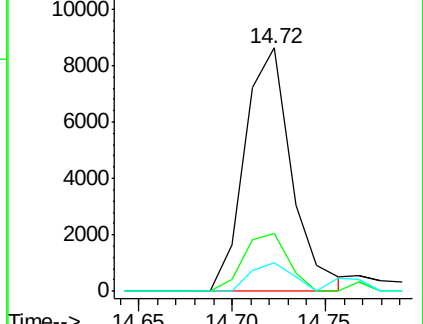
153 11.8 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#56

2,4-Dinitrotoluene

Concen: 2.50 ng

RT: 15.65 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Tgt Ion:165 Resp: 525

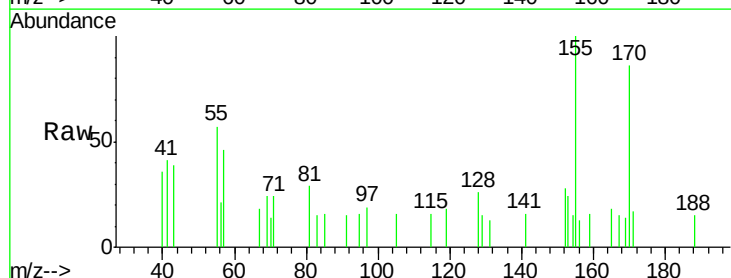
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 56.2 84.2#

182 0.0 1.5 2.3#

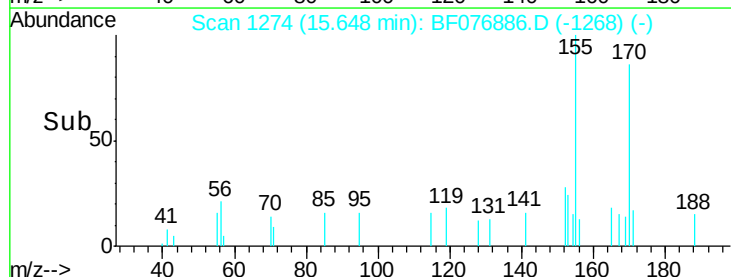
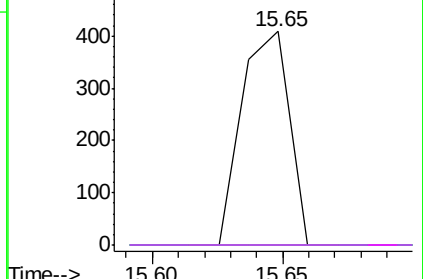


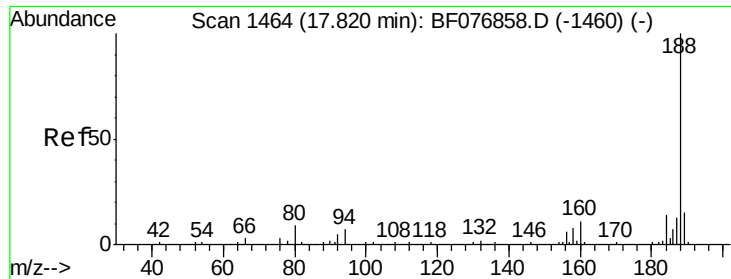
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

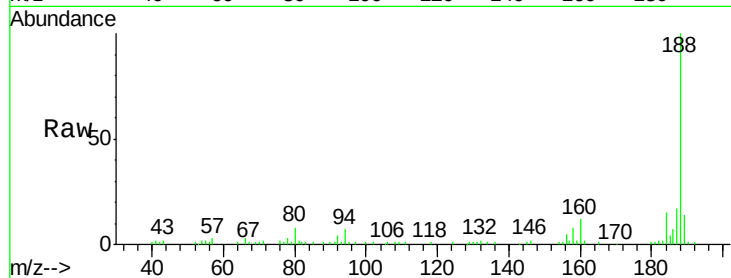




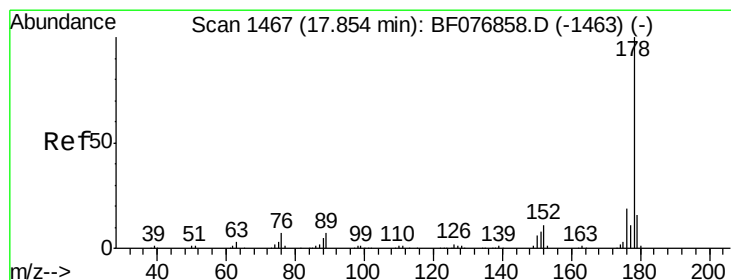
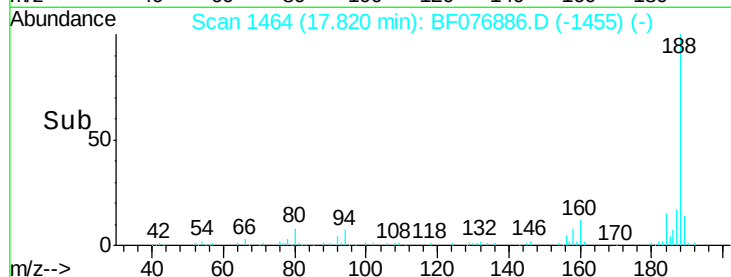
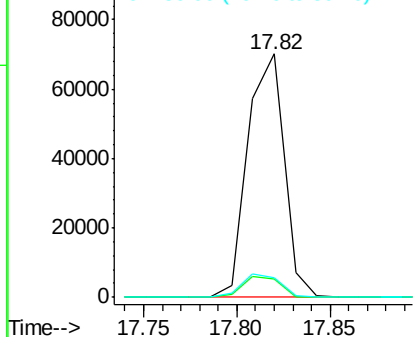
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.82 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 94897
Ion Ratio Lower Upper
188 100
94 7.4 6.0 9.0
80 8.0 6.9 10.3

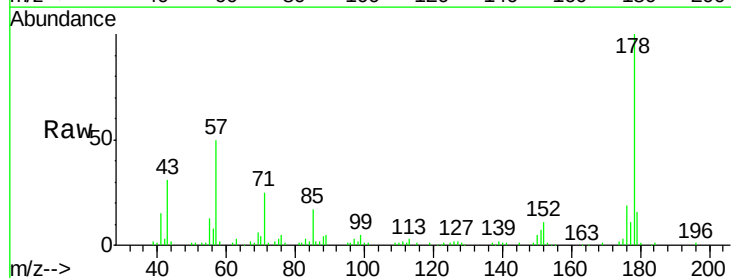


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

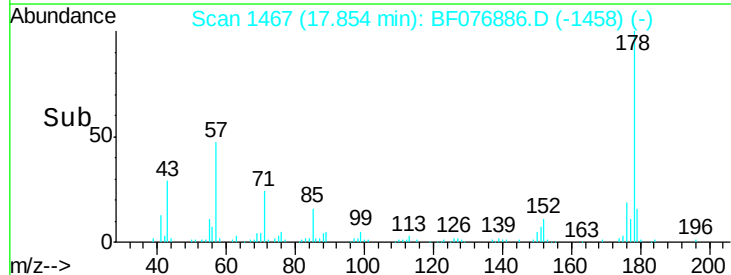
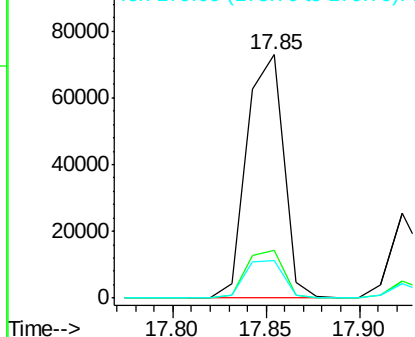


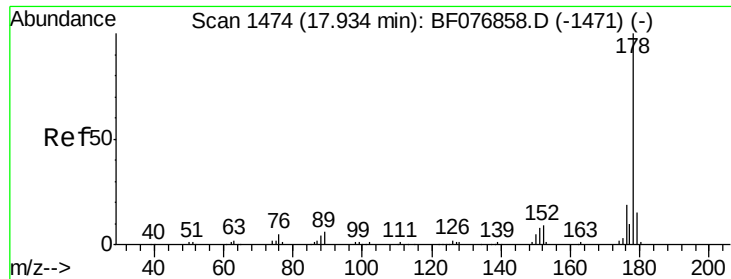
#70
Phenanthrene
Concen: 16.82 ng
RT: 17.85 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:178 Resp: 99512
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.6 12.7 19.1



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





#71

Anthracene

Concen: 5.36 ng

RT: 17.92 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampled :

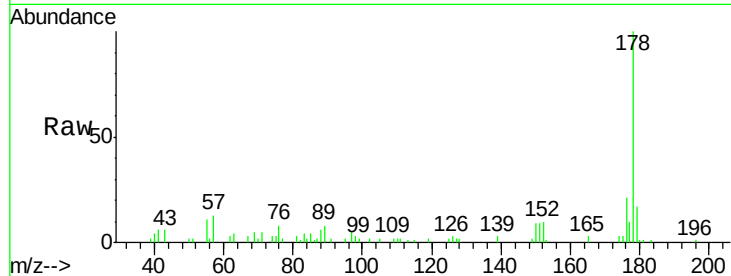
Tot Ion:178 Resp: 30960

Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.0

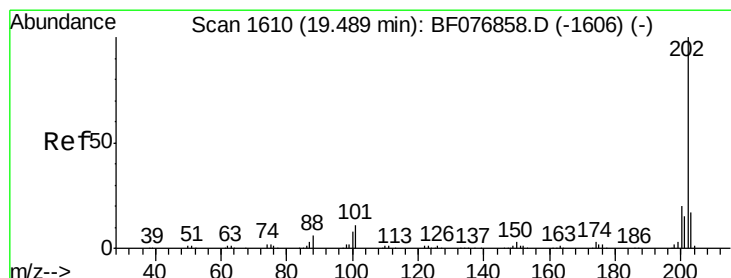
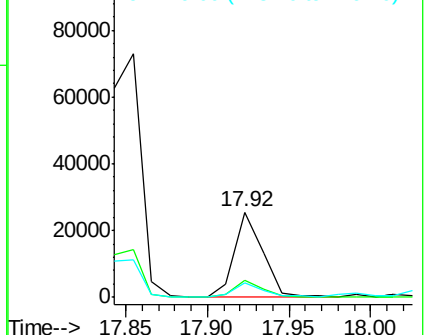
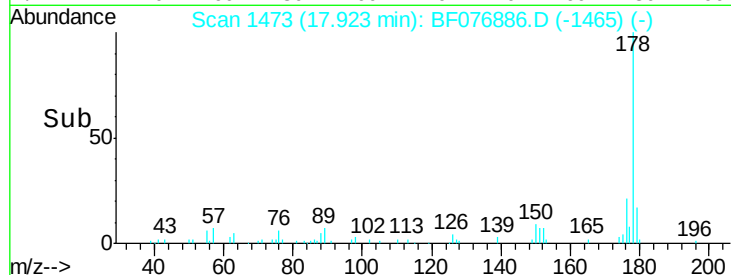
179 17.5 11.9 17.9



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



#74

Fluoranthene

Concen: 43.86 ng

RT: 19.49 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

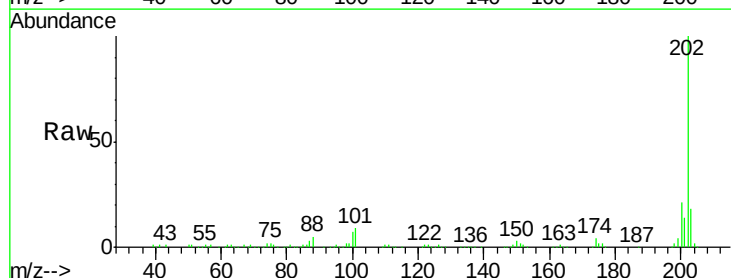
Tgt Ion:202 Resp: 265987

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.7

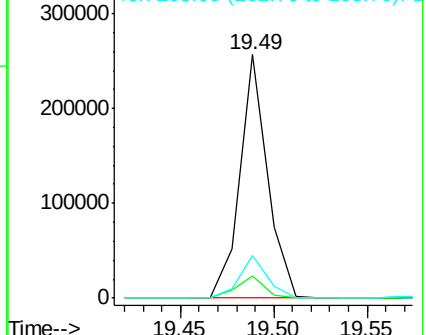
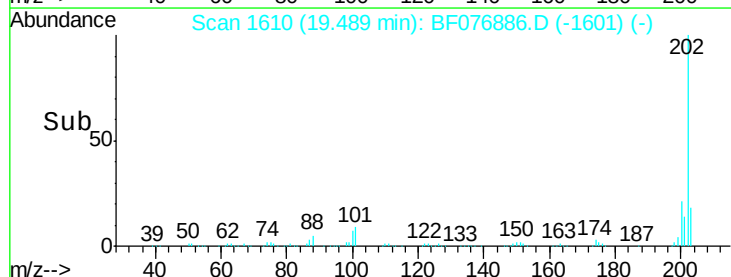
203 17.6 0.0 36.9

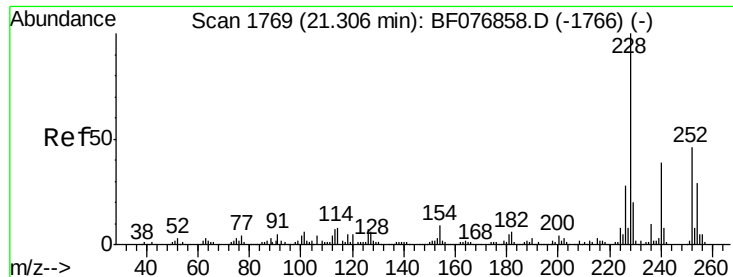


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

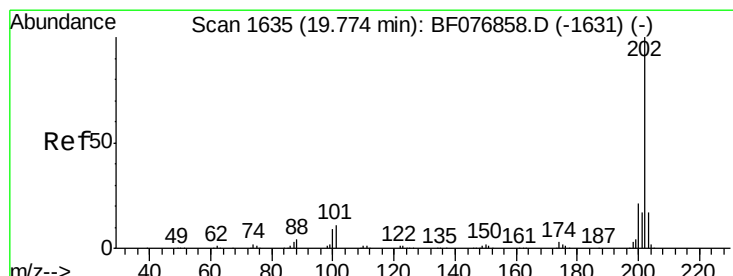
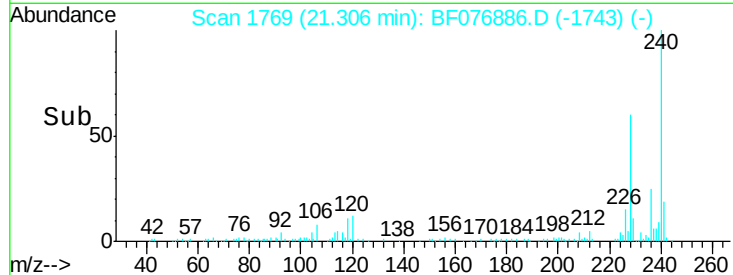
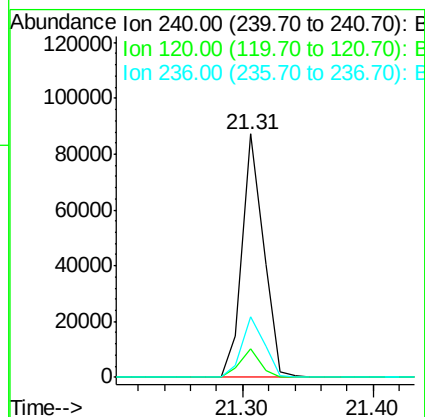
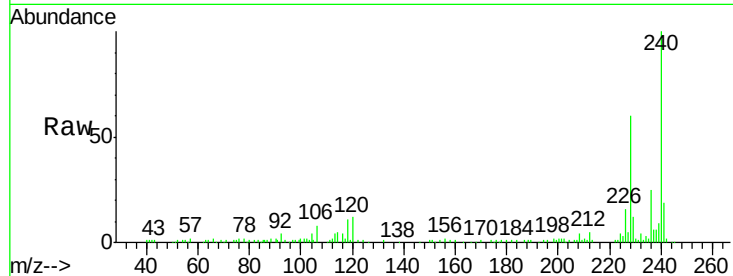




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.31 min Scan# 1769
Delta R.T. 0.00 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

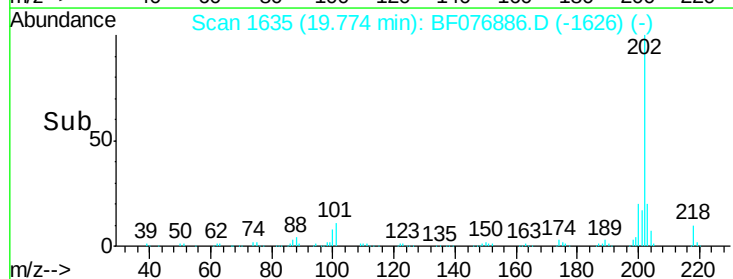
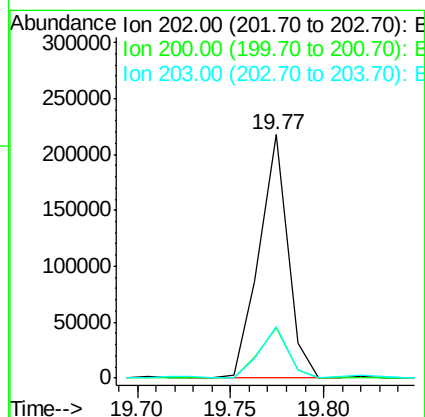
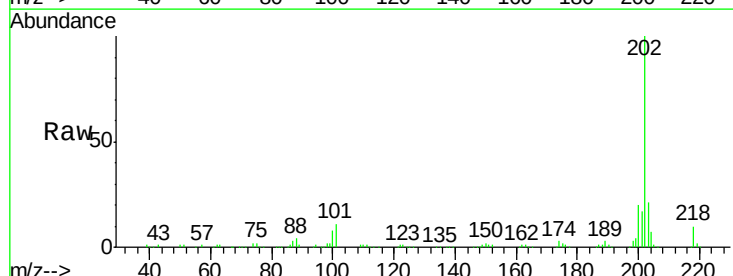
Instrument :
BNA_F
ClientSampleId :

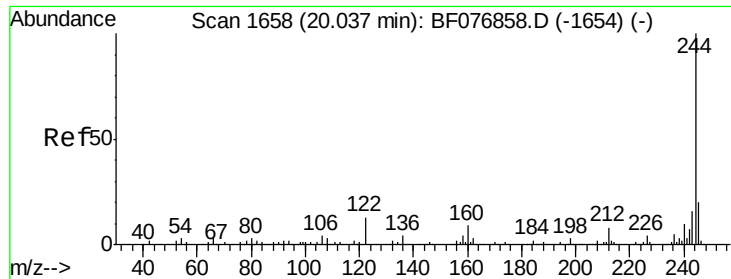
Tot Ion:240 Resp: 100278
Ion Ratio Lower Upper
240 100
120 11.7 10.4 15.6
236 24.8 20.2 30.2



#77
Pyrene
Concen: 33.72 ng
RT: 19.77 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:202 Resp: 231745
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 21.2 14.0 21.0#

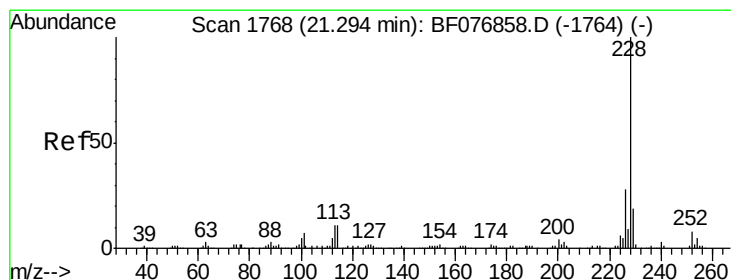
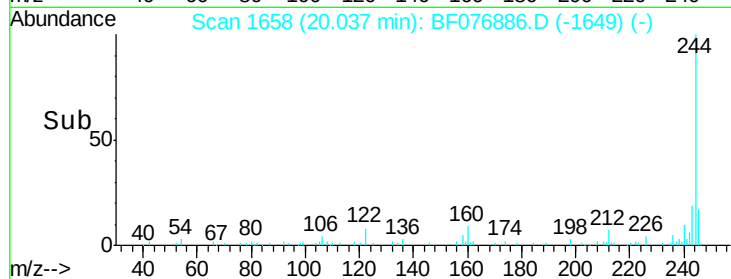
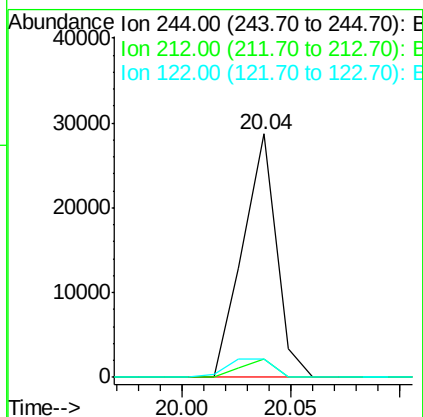
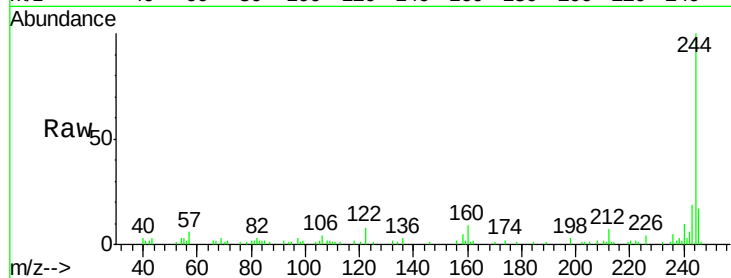




#78
 Terphenyl-d14
 Concen: 7.08 ng
 RT: 20.04 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

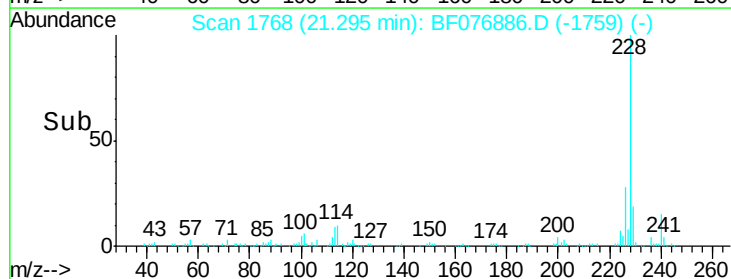
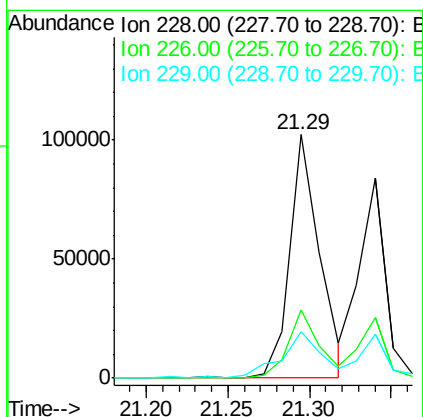
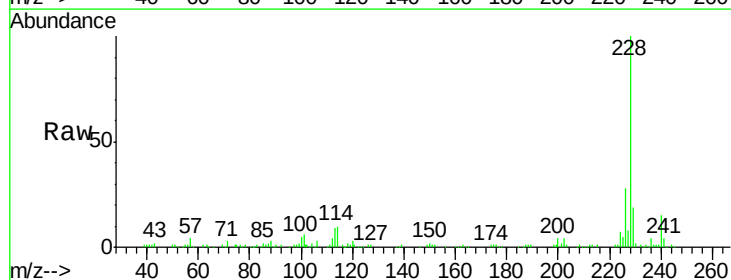
Instrument :
 BNA_F
 ClientSampleId :

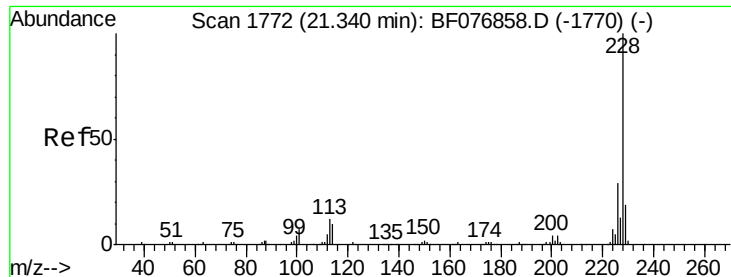
Tot Ion:244 Resp: 30844
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 7.8 10.1 15.1#



#80
 Benzo(a)anthracene
 Concen: 20.92 ng
 RT: 21.29 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: BF076886.D
 Acq: 15 Jan 2015 16:14

Tgt Ion:228 Resp: 131642
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.1 33.1
 229 19.3 15.5 23.3





#82

Chrysene

Concen: 16.33 ng

RT: 21.34 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampled :

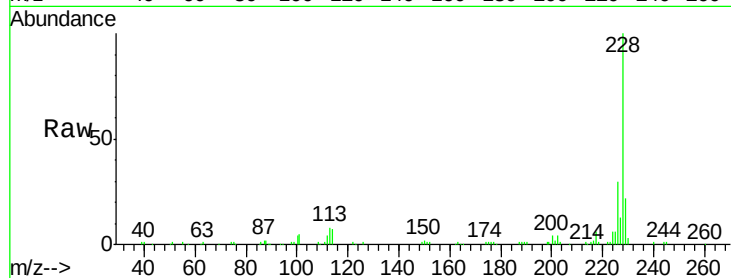
Tot Ion:228 Resp: 93722

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.0

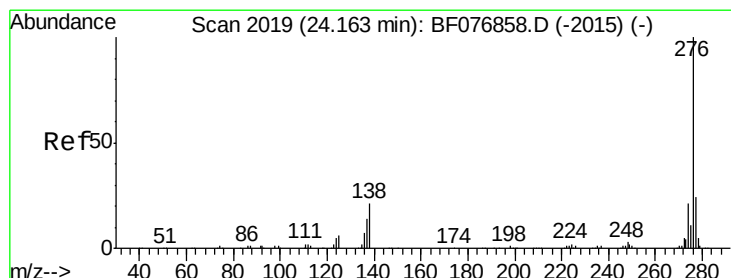
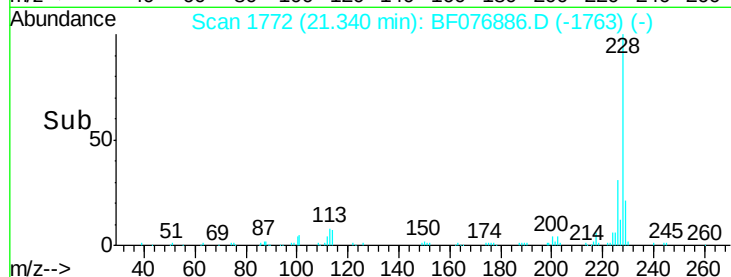
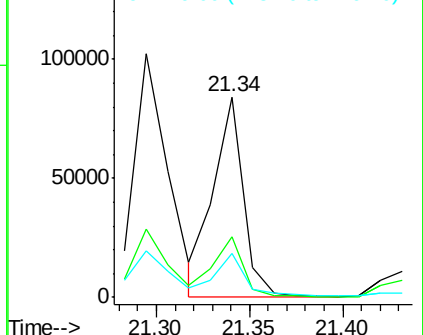
229 21.9 15.4 23.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.82 ng

RT: 24.12 min Scan# 2015

Delta R.T. -0.05 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

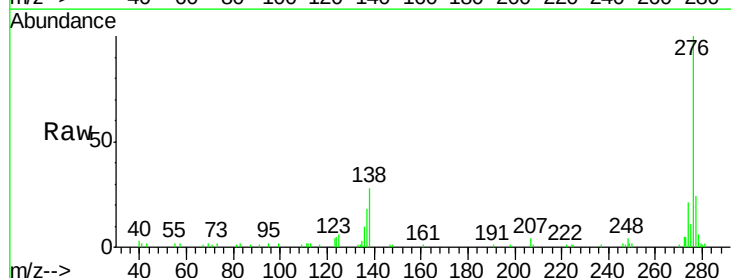
Tgt Ion:276 Resp: 53606

Ion Ratio Lower Upper

276 100

138 23.5 14.6 22.0#

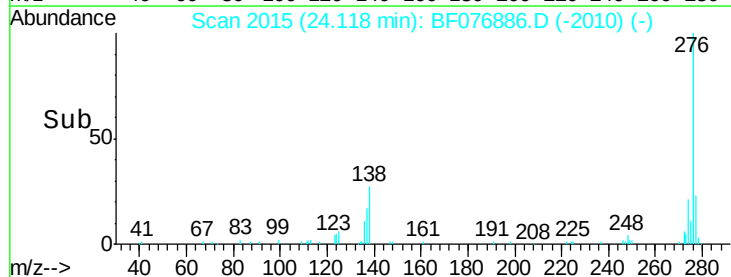
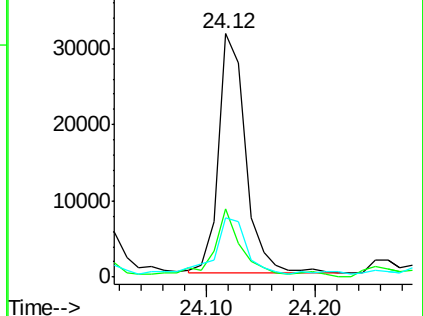
277 25.7 14.8 22.2#

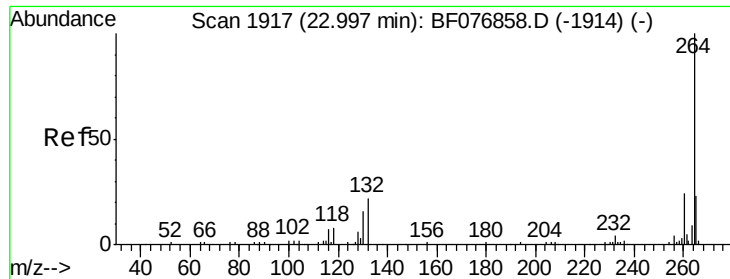


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

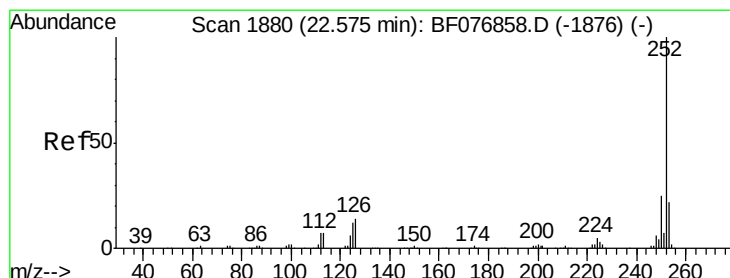
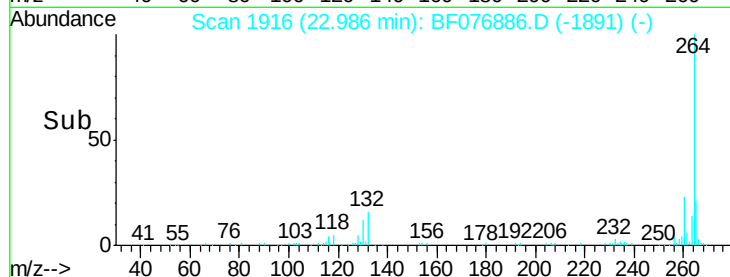
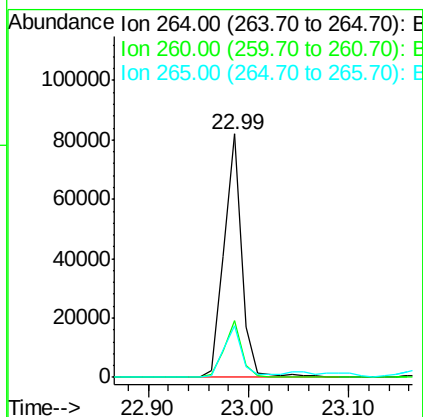
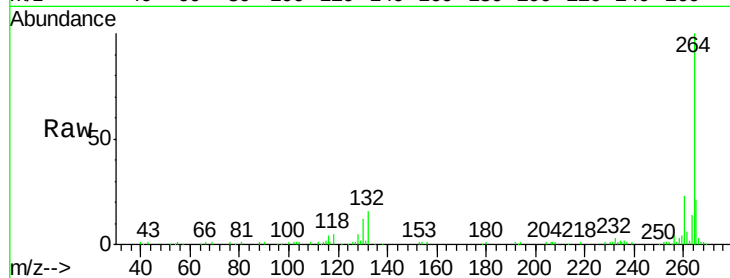




#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.99 min Scan# 1916
Delta R.T. -0.01 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

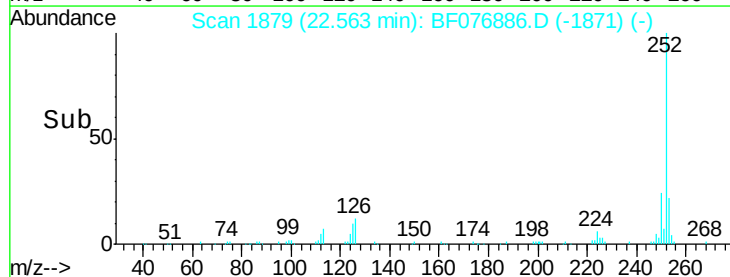
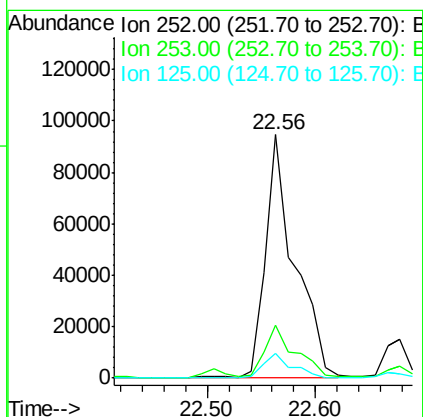
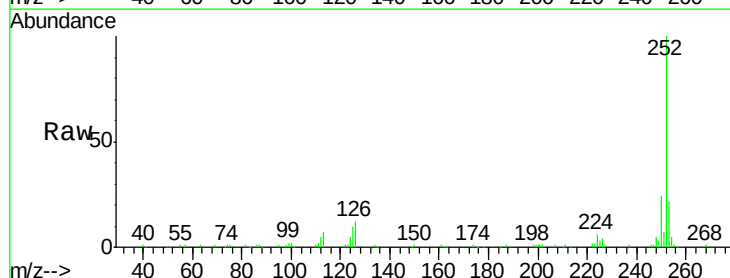
Instrument :
BNA_F
ClientSampled :

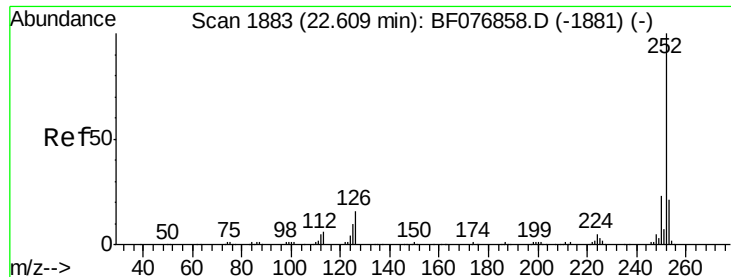
Tot Ion:264 Resp: 100902
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 21.1 18.1 27.1



#87
Benzo(b)fluoranthene
Concen: 25.95 ng
RT: 22.56 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:252 Resp: 176361
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.2 9.4 14.0

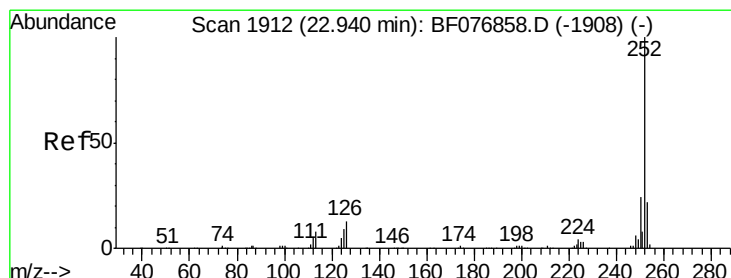
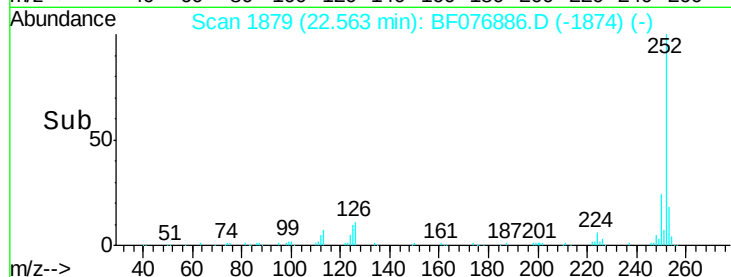
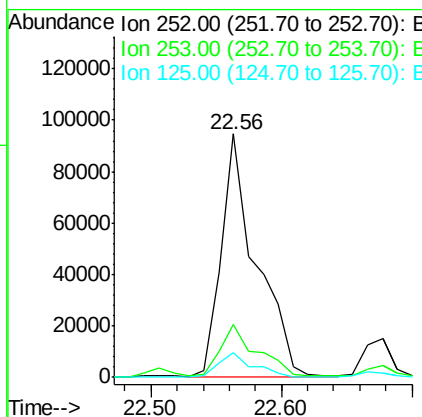
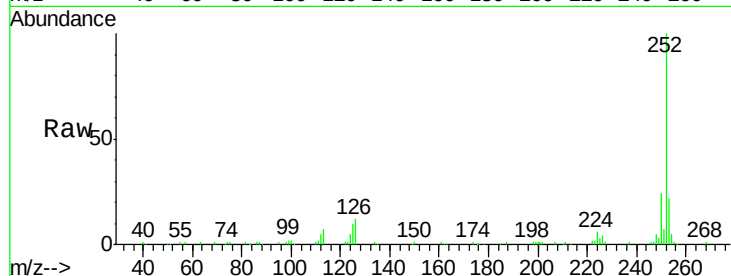




#88
Benzo(k)fluoranthene
Concen: 30.12 ng
RT: 22.56 min Scan# 1879
Delta R.T. -0.05 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

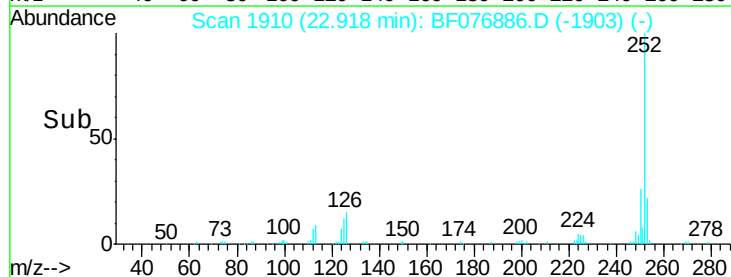
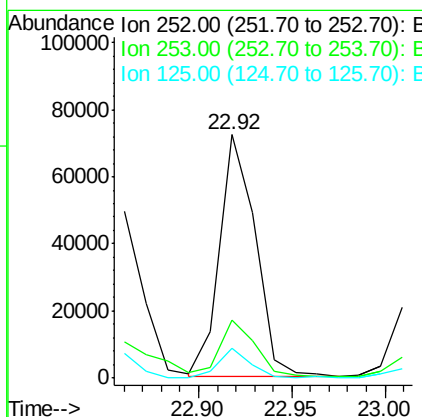
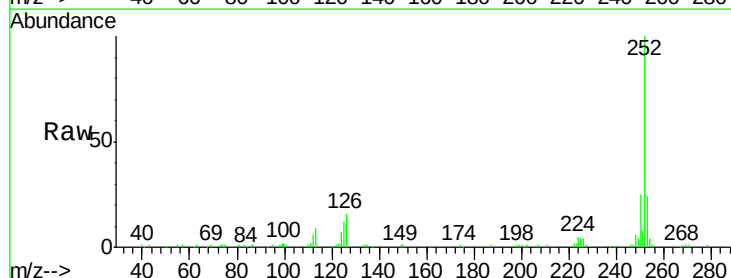
Instrument :
BNA_F
ClientSampleId :

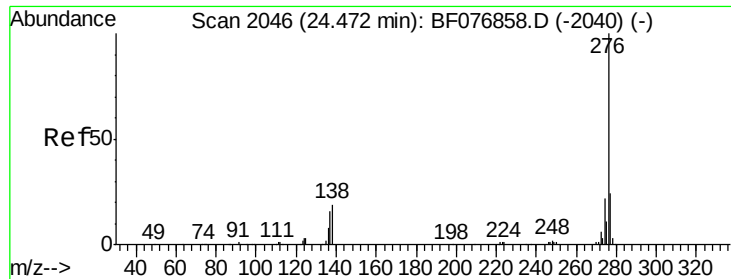
Tot Ion:252 Resp: 178843
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 10.2 7.1 10.7



#89
Benzo(a)pyrene
Concen: 16.00 ng
RT: 22.92 min Scan# 1910
Delta R.T. -0.02 min
Lab File: BF076886.D
Acq: 15 Jan 2015 16:14

Tgt Ion:252 Resp: 95911
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 12.1 7.2 10.8#





#91

Benzo(a,h,i)perylene

Concen: 9.45 ng

RT: 24.43 min Scan# 2042

Delta R.T. -0.05 min

Lab File: BF076886.D

Acq: 15 Jan 2015 16:14

Instrument :

BNA_F

ClientSampleId :

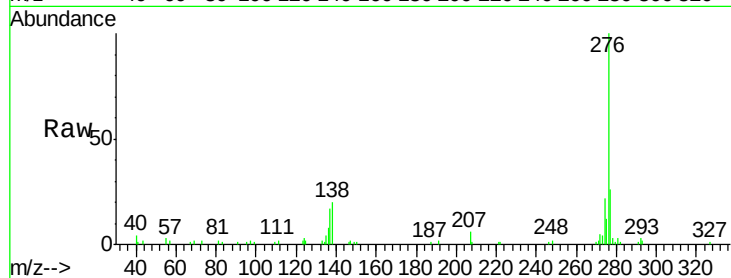
Tot Ion:276 Resp: 51670

Ion Ratio Lower Upper

276 100

277 26.1 19.5 29.3

138 20.4 15.0 22.6



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

