

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083023.D
 Acq On : 18 Nov 2015 22:25
 Operator : UM/IZ
 Sample : G4412-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

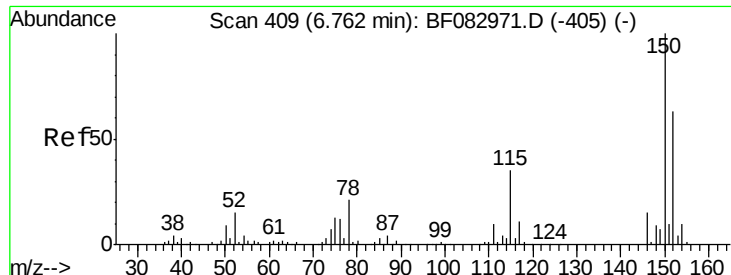
Quant Time: Nov 19 01:52:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	140488	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	543013	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	253795	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	405176	20.00	ng	0.00
75) Chrysene-d12	13.88	240	281395	20.00	ng	-0.01
86) Perylene-d12	15.28	264	288712	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1100242	121.85	ng	0.00
7) Phenol-d6	6.38	99	1306526	108.84	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1038654	83.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	264306	90.83	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1292540	72.99	ng	-0.01
78) Terphenyl-d14	12.83	244	951973	80.24	ng	-0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	24748	3.73	ng	91
10) Phenol	6.40	94	37315	2.74	ng	91
15) Benzyl Alcohol	6.88	79	74241	7.04	ng	97
19) n-Nitroso-di-n-propylamine	7.30	70	142726	16.18	ng	# 69
31) Naphthalene	8.04	128	347602	11.60	ng	96
33) 4-Chloroaniline	8.04	127	43609	3.38	ng	# 28
37) 2-Methylnaphthalene	8.73	142	123615	6.38	ng	95
48) Acenaphthylene	9.63	152	290585	10.91	ng	97
49) Dimethylphthalate	9.49	163	409629	19.70	ng	99
51) Acenaphthene	9.80	154	48500	2.87	ng	98
54) Dibenzofuran	9.97	168	208604	9.17	ng	# 86
57) Fluorene	10.32	166	176339	9.57	ng	99
66) 4-Bromophenyl-phenylether	10.56	248	19315	3.96	ng	# 1
70) Phenanthrene	11.28	178	1932861	82.15	ng	100
71) Anthracene	11.32	178	238247	9.61	ng	95
72) Carbazole	11.48	167	164906	7.60	ng	97
74) Fluoranthene	12.47	202	1978023	78.34	ng	98
77) Pyrene	12.69	202	1994949	103.23	ng	98
80) Benzo(a)anthracene	13.91	228	837675	47.60	ng	96
82) Chrysene	13.91	228	837911	51.99	ng	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	52688	4.51	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.59	276	440181	31.71	ng	97
87) Benzo(b)fluoranthene	14.89	252	1274661	68.78	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	1274661	77.54	ng	# 95
89) Benzo(a)pyrene	15.22	252	671396	41.82	ng	96
90) Dibenzo(a,h)anthracene	16.74	278	75247	5.53	ng	97
91) Benzo(g,h,i)perylene	16.98	276	391261	30.04	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

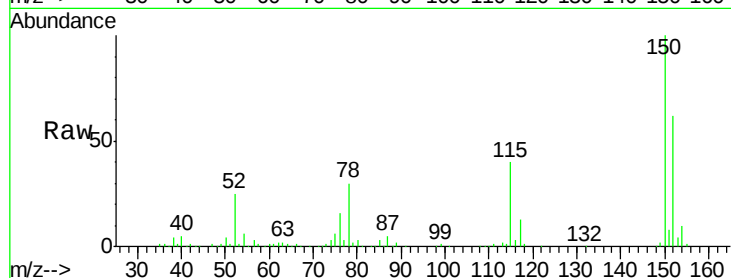
Tot Ion:152 Resp: 140488

Ion Ratio Lower Upper

152 100

150 161.2 127.0 190.4

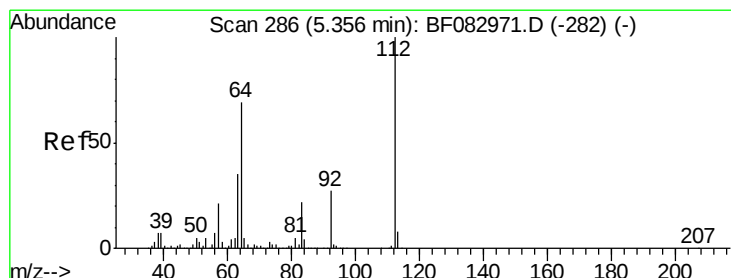
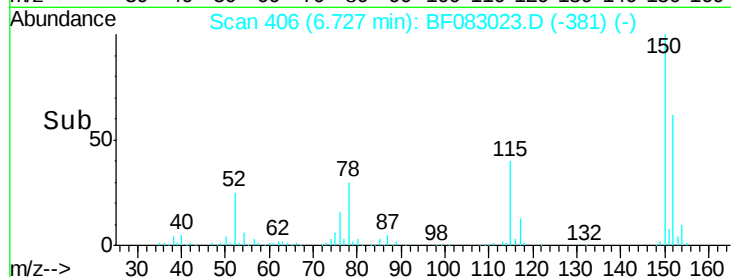
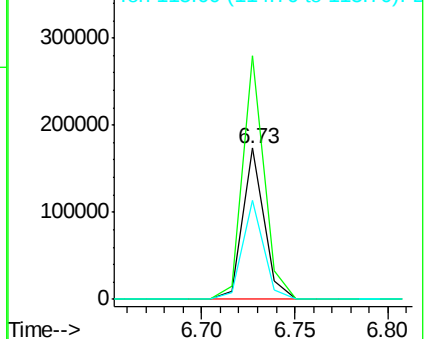
115 65.2 47.0 70.6



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



#5

2-Fluorophenol

Concen: 121.85 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

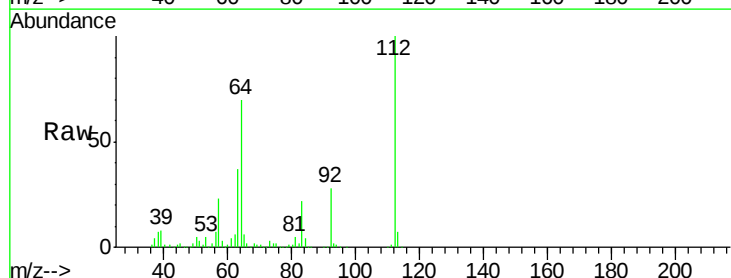
Tgt Ion:112 Resp: 1100242

Ion Ratio Lower Upper

112 100

64 70.0 48.9 73.3

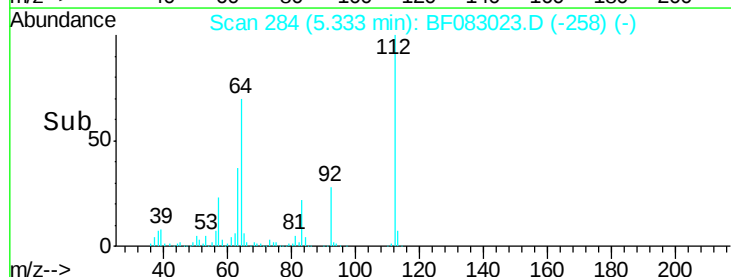
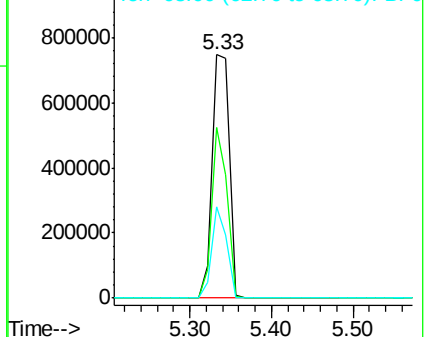
63 37.4 28.1 42.1

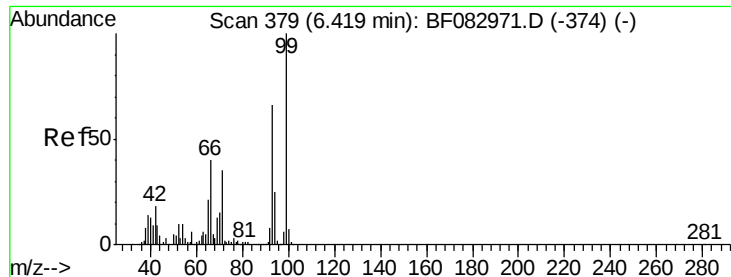


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.84 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

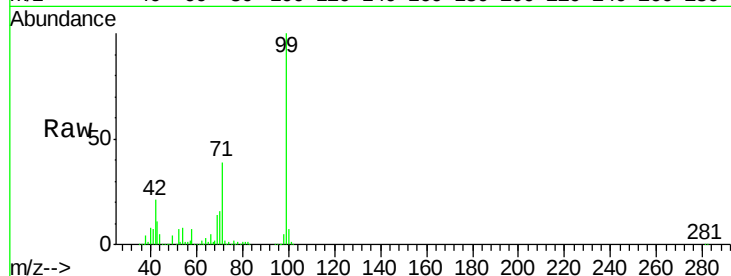
Tot Ion: 99 Resp: 1306526

Ion Ratio Lower Upper

99 100

42 20.7 19.2 28.8

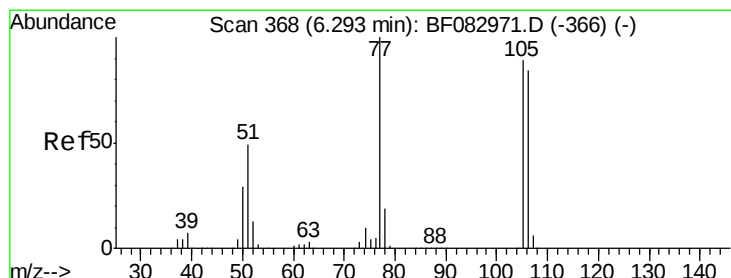
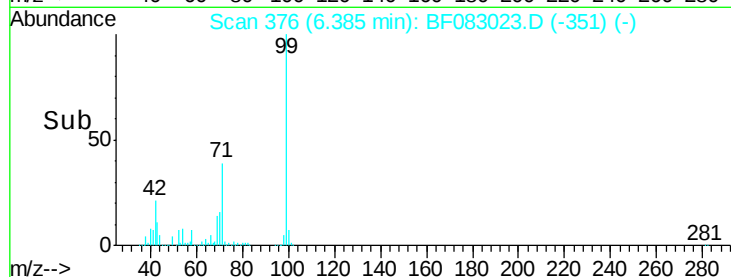
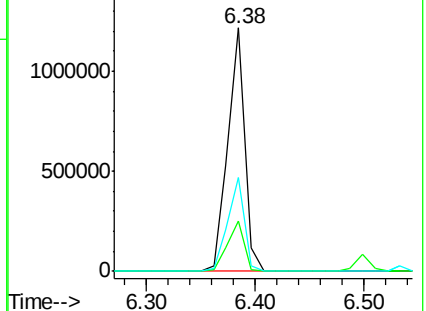
71 38.5 35.0 52.4



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



#9

Benzaldehyde

Concen: 3.73 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.23 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

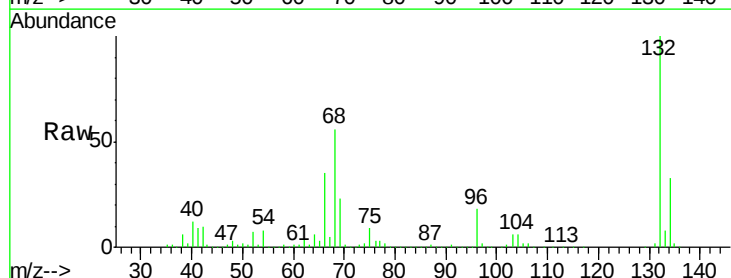
Tgt Ion: 77 Resp: 24748

Ion Ratio Lower Upper

77 100

105 77.3 63.5 103.5

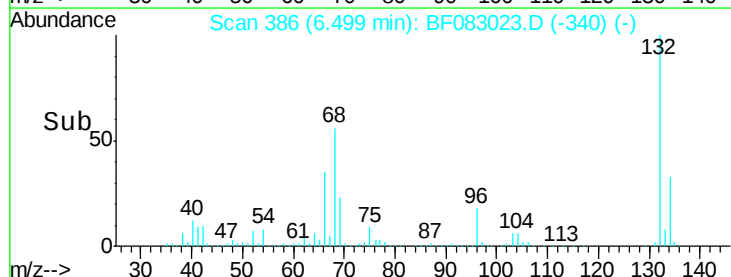
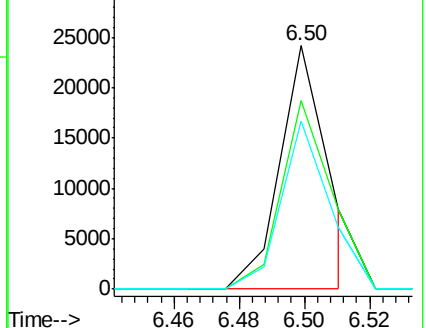
106 69.0 59.3 99.3

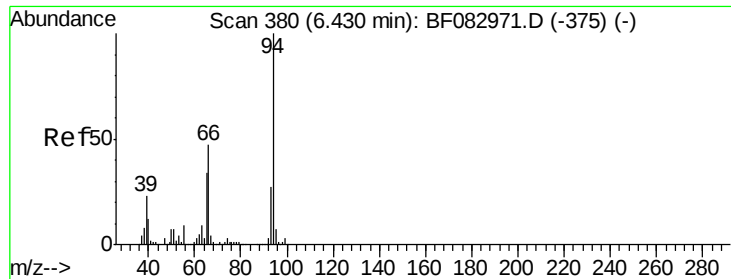


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.74 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

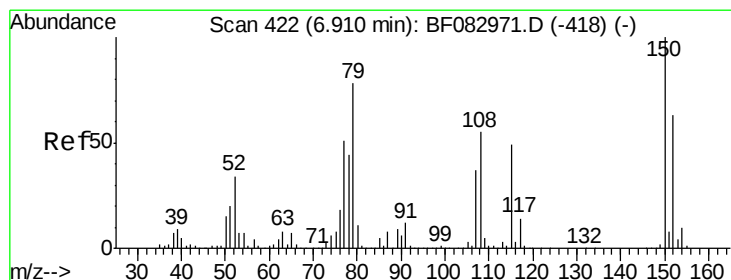
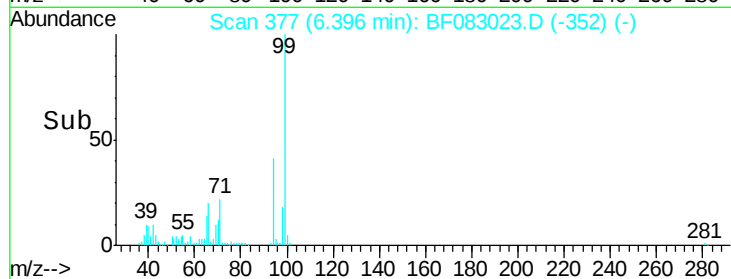
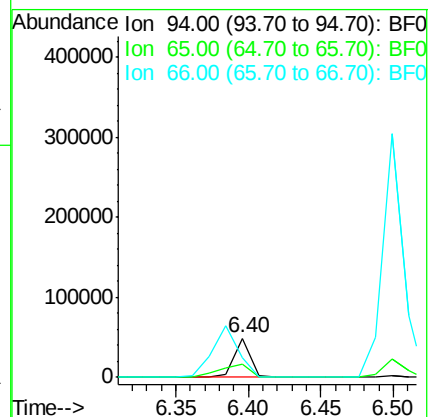
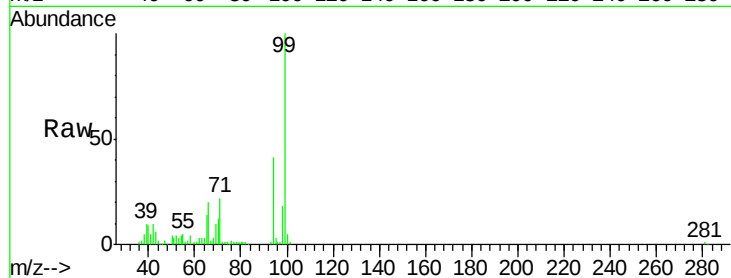
Tot Ion: 94 Resp: 37315

Ion Ratio Lower Upper

94 100

65 33.5 18.9 58.9

66 48.9 34.9 74.9



#15

Benzyl Alcohol

Concen: 7.04 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

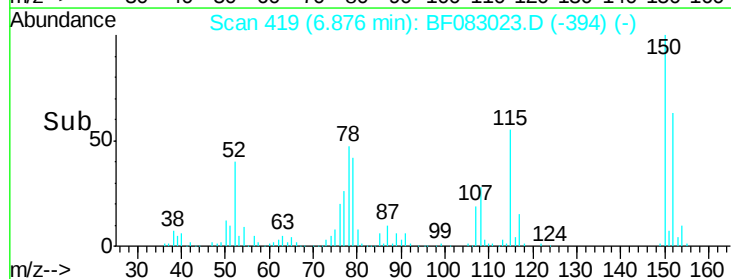
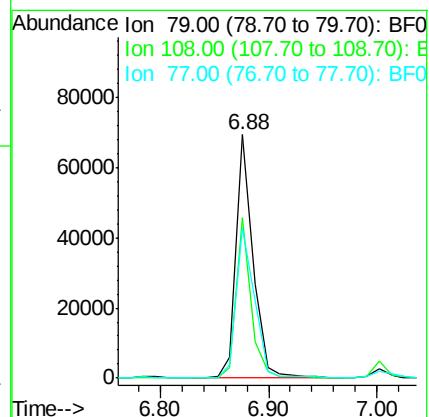
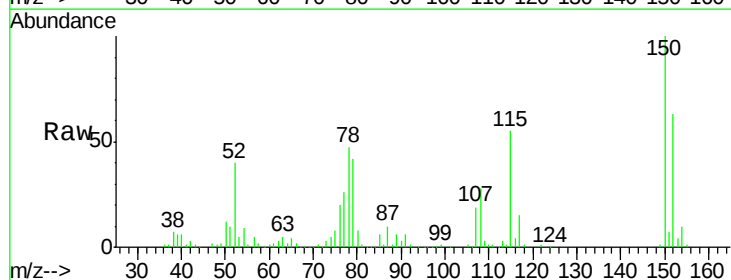
Tgt Ion: 79 Resp: 74241

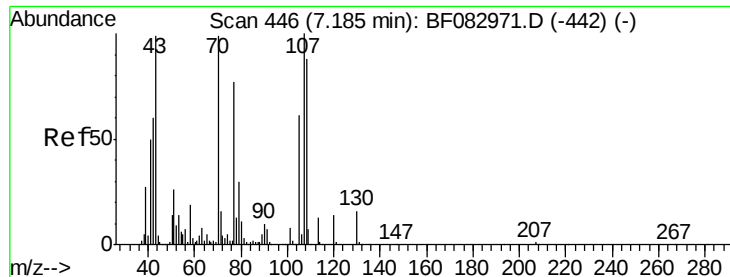
Ion Ratio Lower Upper

79 100

108 66.1 52.2 78.4

77 61.9 52.7 79.1





#19

n-Nitroso-di-n-propylamine

Concen: 16.18 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.13 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 142726

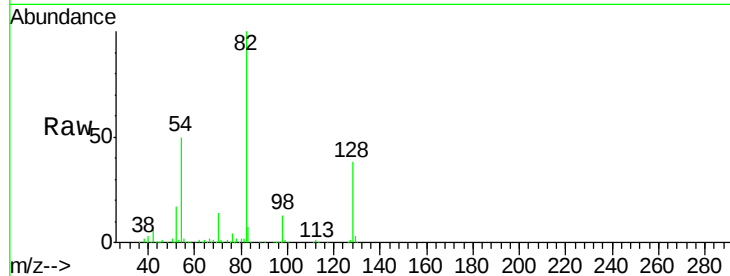
Ion Ratio Lower Upper

70 100

42 45.6 57.7 86.5#

101 0.0 7.0 10.6#

130 2.1 11.8 17.6#

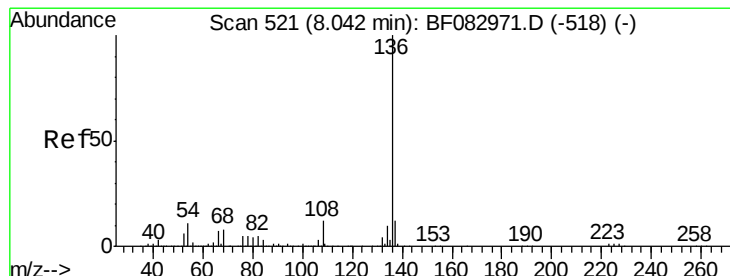
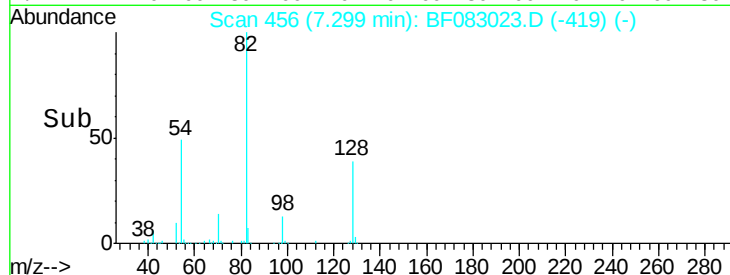
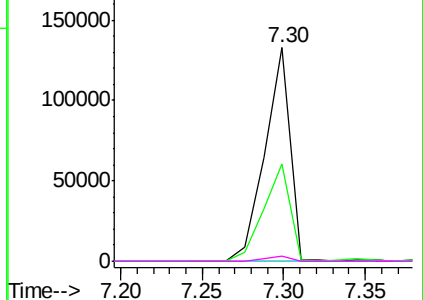


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Tgt Ion:136 Resp: 543013

Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 7.1 9.1 13.7#

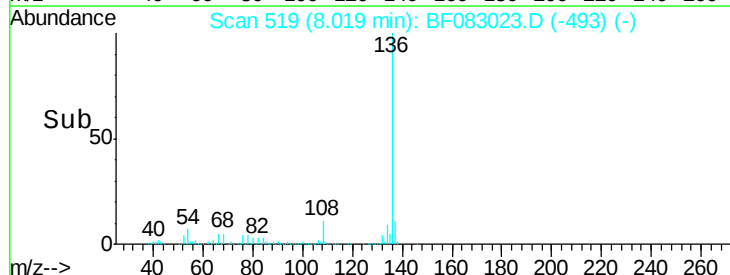
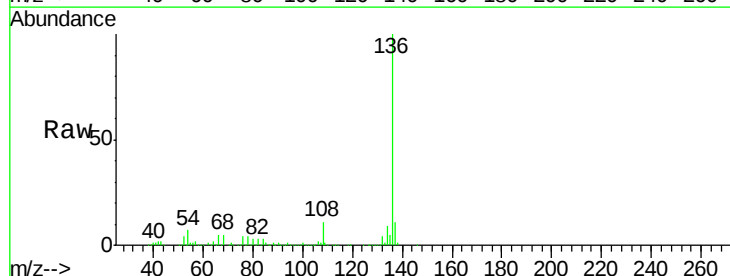
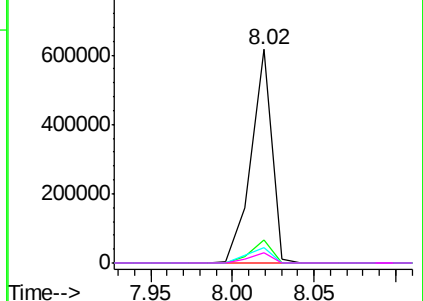
68 4.8 4.8 7.2

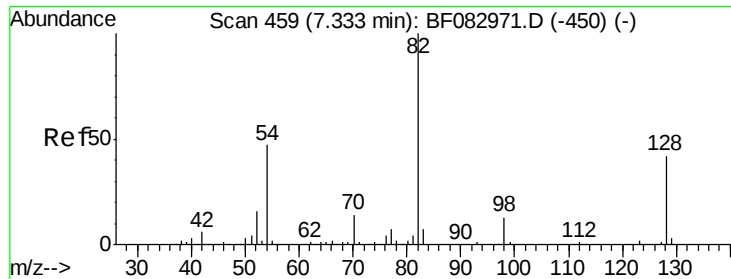
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

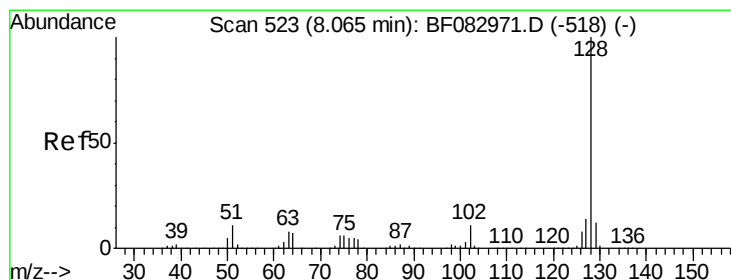
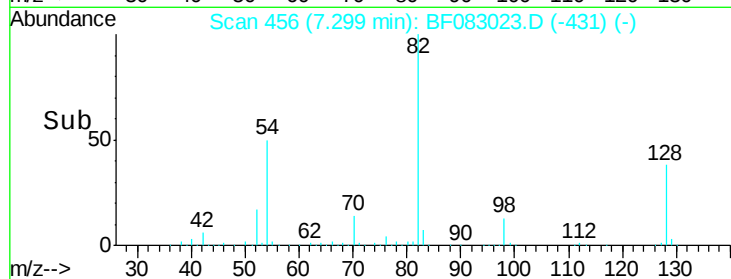
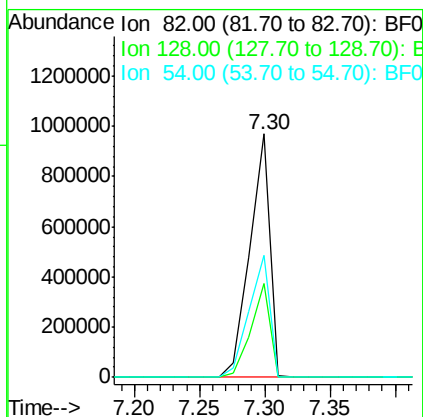
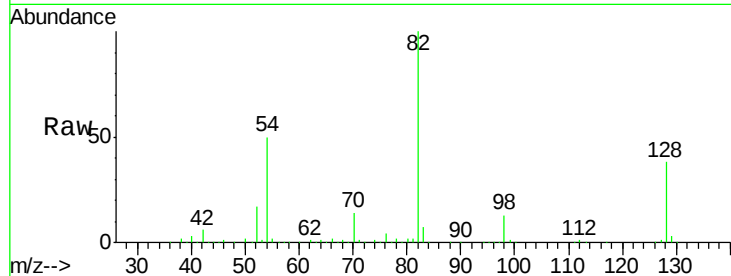




#23
 Nitrobenzene-d5
 Concen: 83.23 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF083023.D
 Acq: 18 Nov 2015 22:25

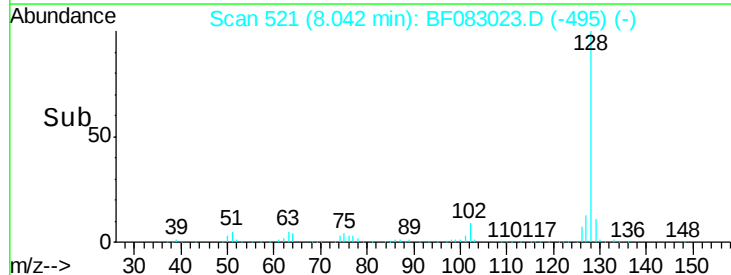
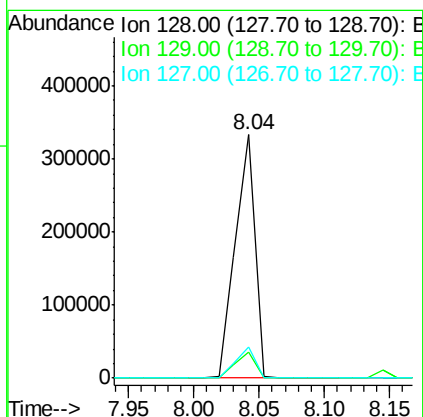
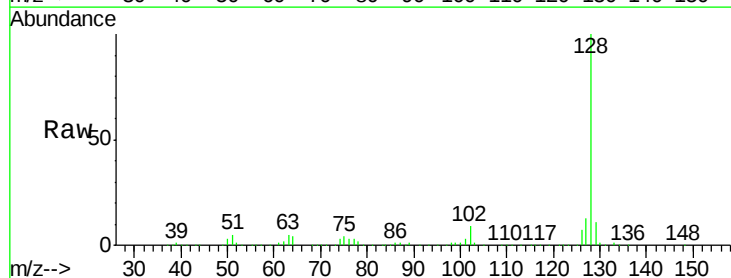
Instrument :
 BNA_F
 ClientSampleId :

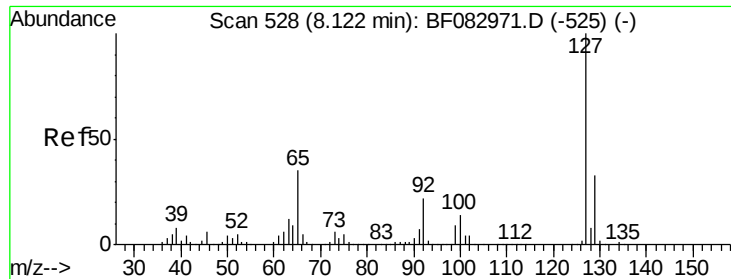
Tot Ion: 82 Resp: 1038654
 Ion Ratio Lower Upper
 82 100
 128 38.5 26.8 40.2
 54 50.2 45.7 68.5



#31
 Naphthalene
 Concen: 11.60 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF083023.D
 Acq: 18 Nov 2015 22:25

Tgt Ion: 128 Resp: 347602
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.5 14.3
 127 12.5 11.4 17.0

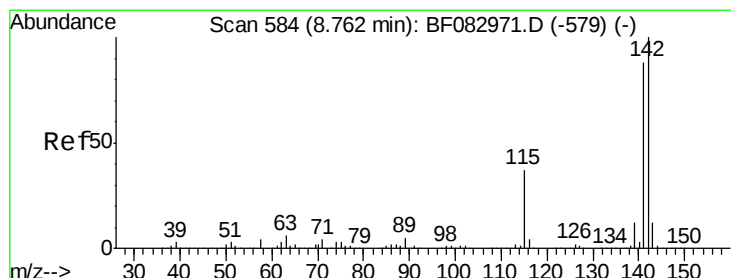
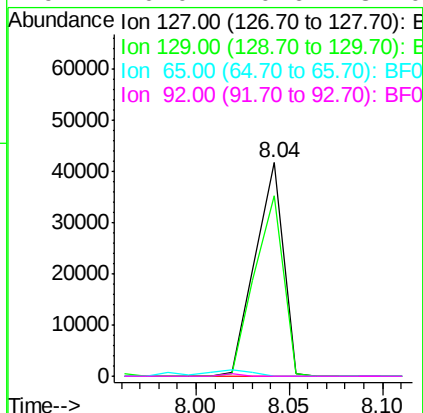
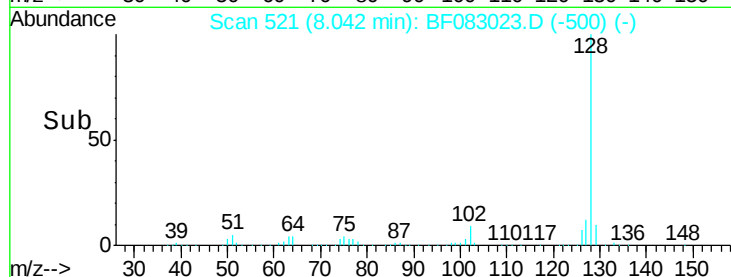
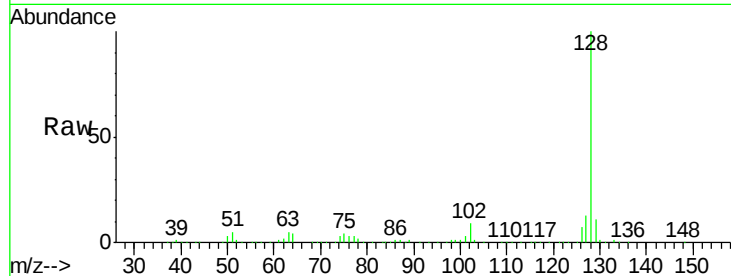




#33
4-Chloroaniline
Concen: 3.38 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

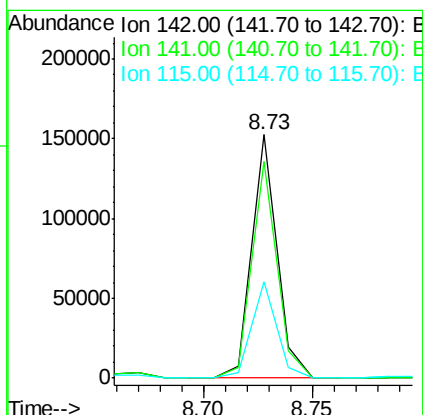
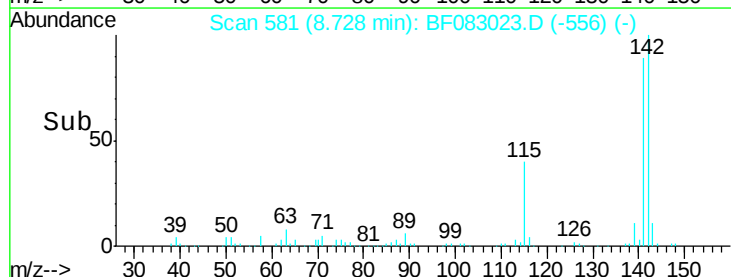
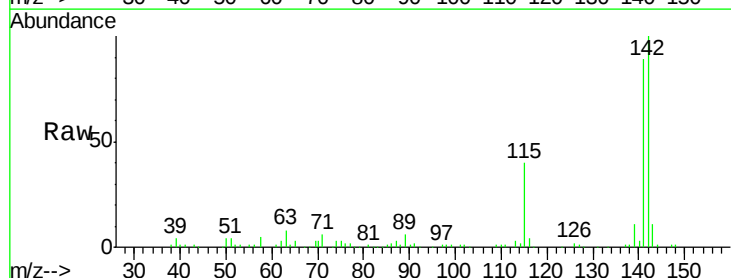
Instrument :
BNA_F
ClientSampleId :

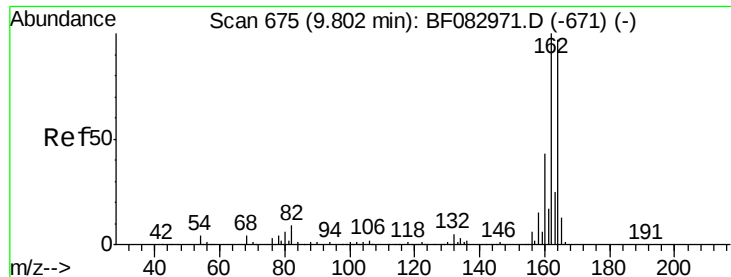
Tot Ion:127	Resp:	43609
Ion Ratio	Lower	Upper
127	100	
129	84.8	26.3 39.5#
65	0.0	37.8 56.8#
92	0.0	20.6 31.0#



#37
2-Methylnaphthalene
Concen: 6.38 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:142	Resp:	123615
Ion Ratio	Lower	Upper
142	100	
141	88.8	72.3 108.5
115	39.6	38.1 57.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

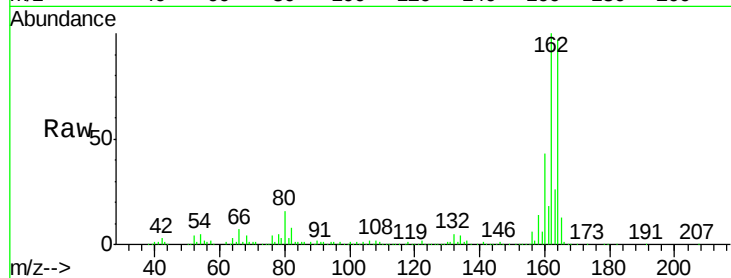
Tot Ion:164 Resp: 253795

Ion Ratio Lower Upper

164 100

162 103.0 84.9 127.3

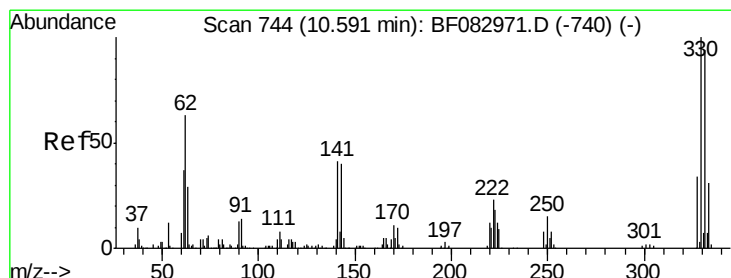
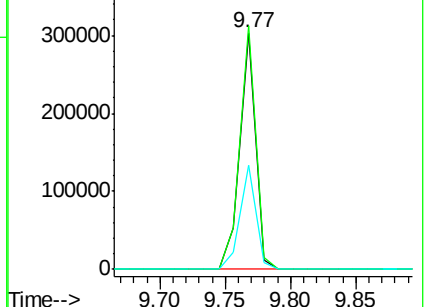
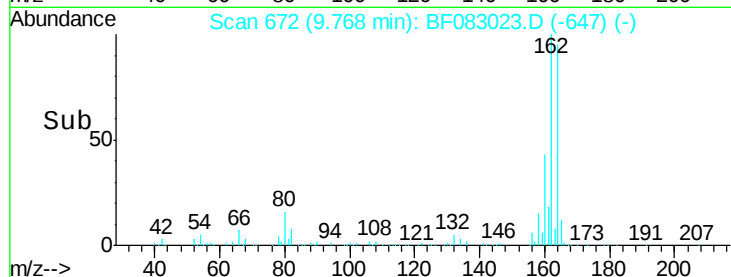
160 44.1 37.5 56.3



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: 90.83 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

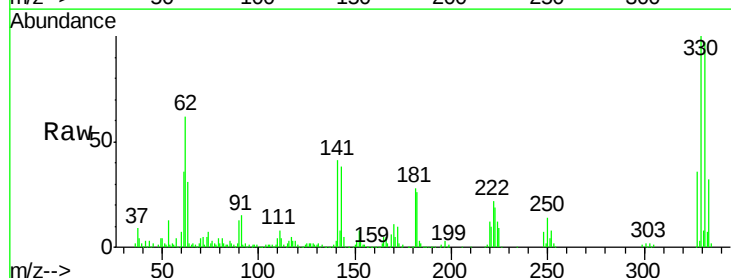
Tgt Ion:330 Resp: 264306

Ion Ratio Lower Upper

330 100

332 97.1 76.6 114.8

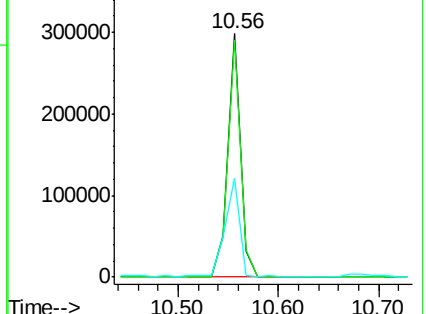
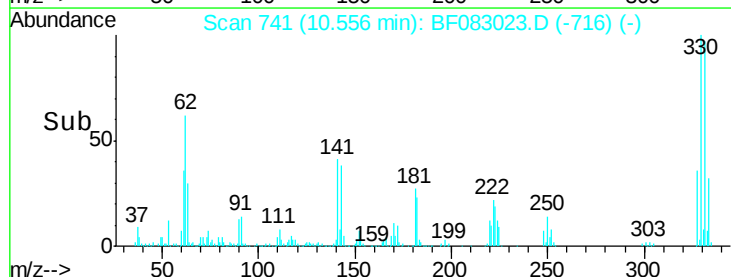
141 45.6 41.2 61.8

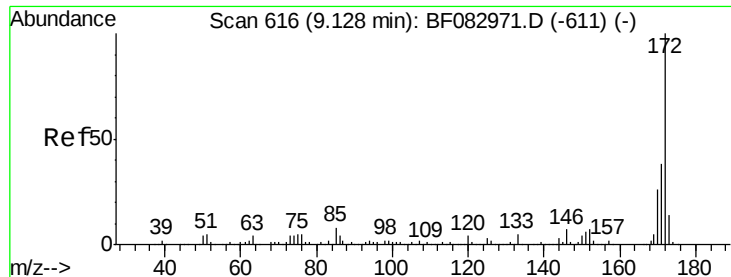


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

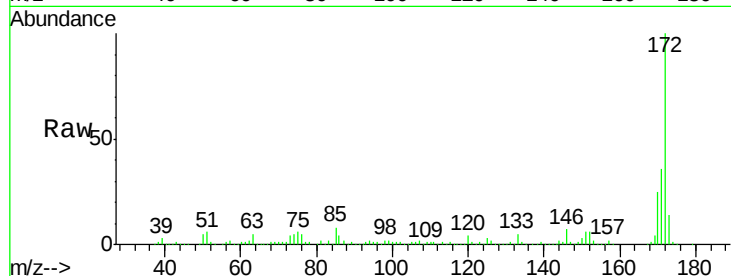




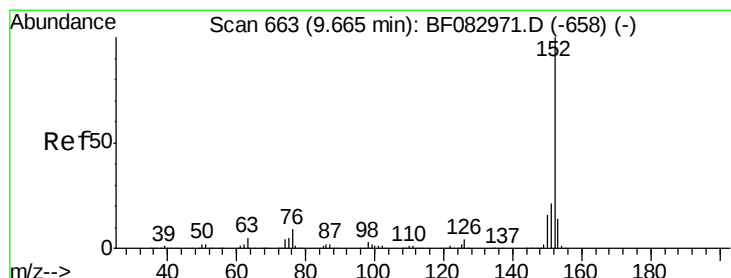
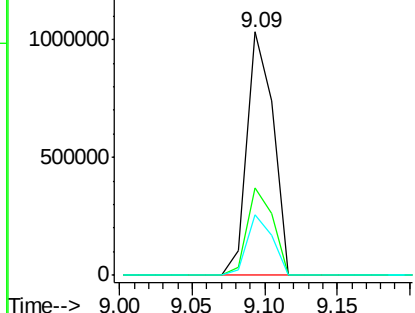
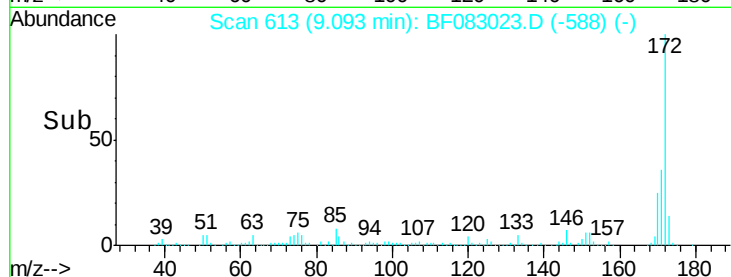
#44
2-Fluorobiphenyl
Concen: 72.99 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1292540
Ion Ratio Lower Upper
172 100
171 36.2 30.8 46.2
170 25.0 21.2 31.8

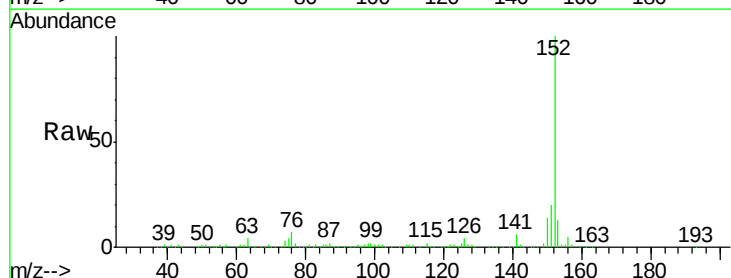


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

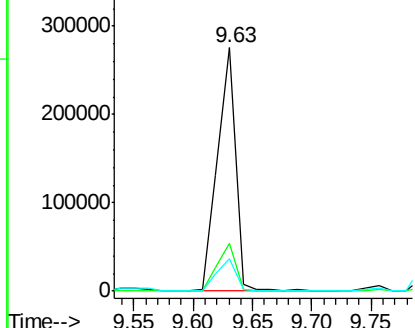
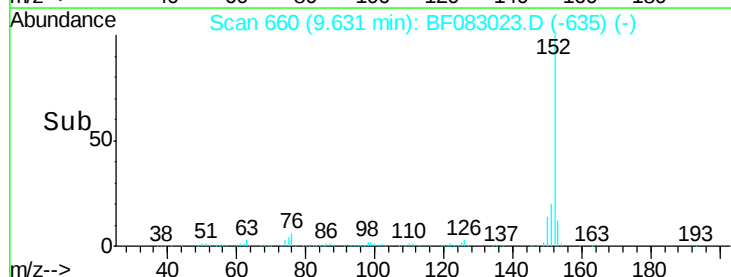


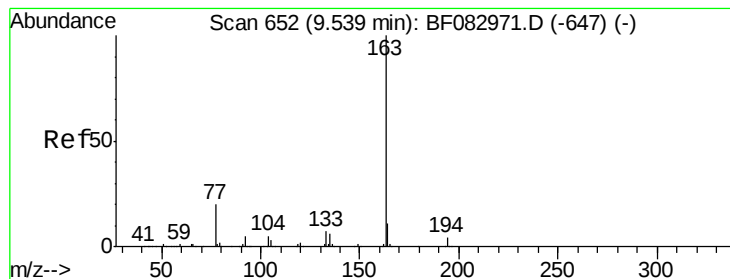
#48
Acenaphthylene
Concen: 10.91 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:152 Resp: 290585
Ion Ratio Lower Upper
152 100
151 19.6 17.3 25.9
153 13.3 11.3 16.9



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





#49

Dimethylphthalate

Concen: 19.70 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

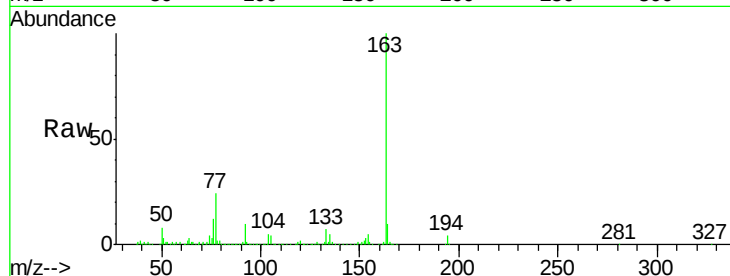
Tot Ion:163 Resp: 409629

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

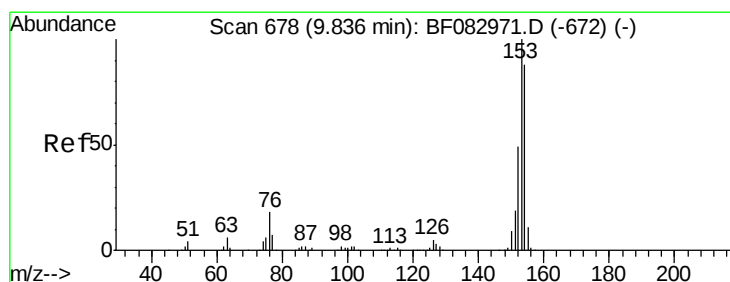
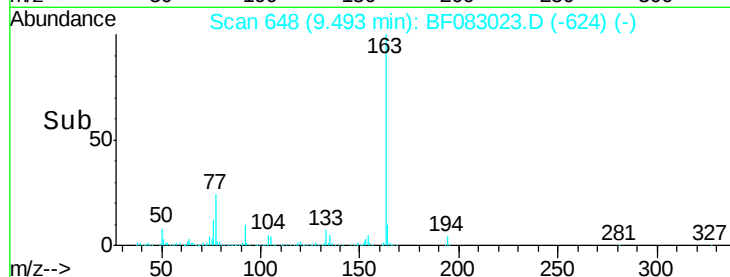
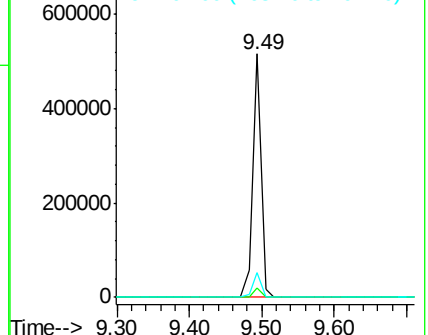
164 10.4 8.7 13.1



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

Acenaphthene

Concen: 2.87 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

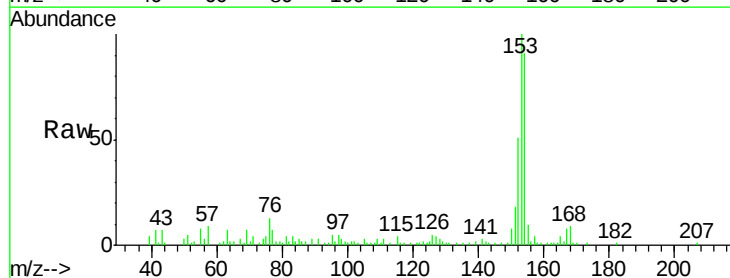
Tgt Ion:154 Resp: 48500

Ion Ratio Lower Upper

154 100

153 109.3 90.1 135.1

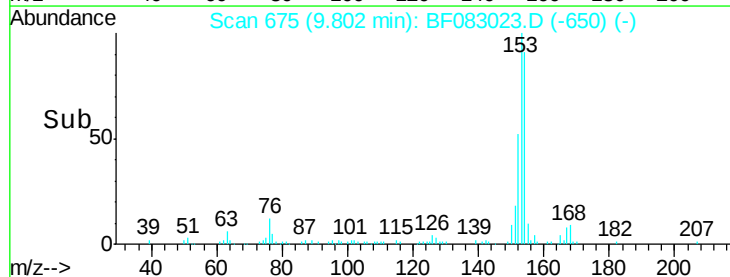
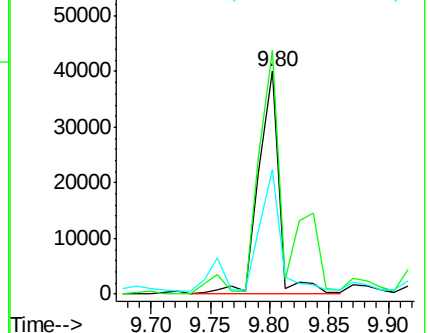
152 56.0 44.3 66.5

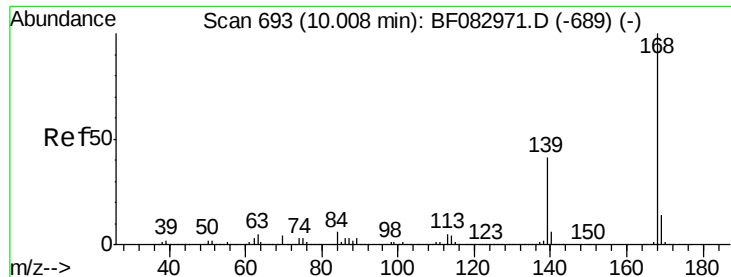


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

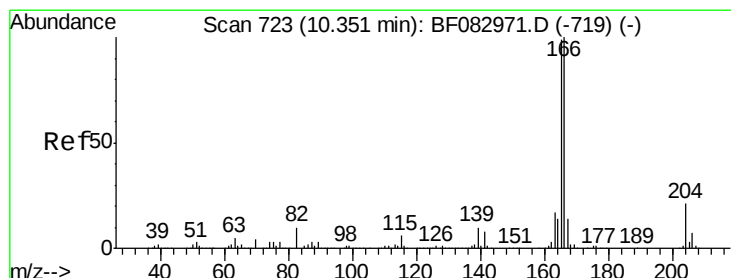
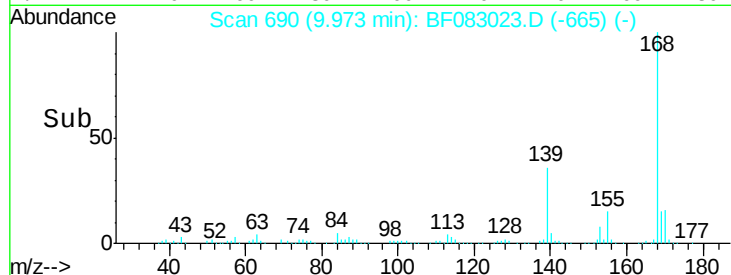
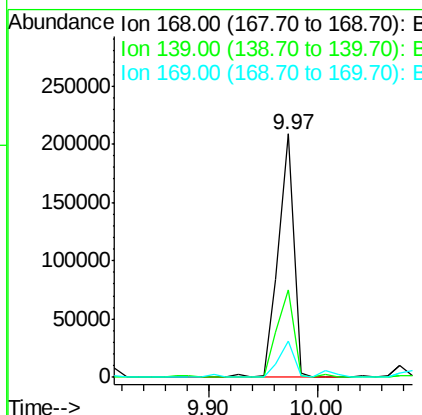
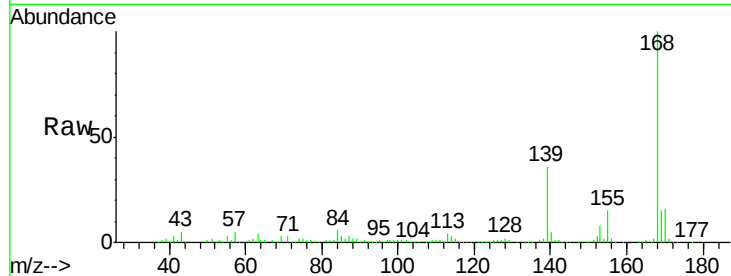




#54
Dibenzenofuran
Concen: 9.17 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

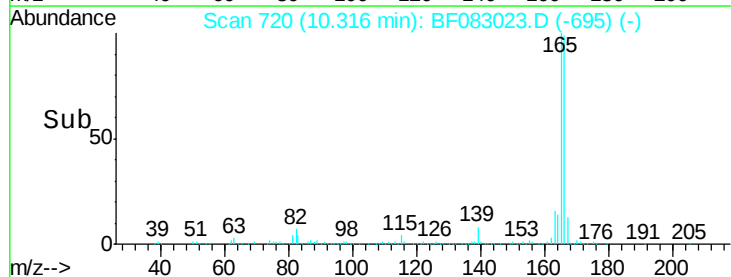
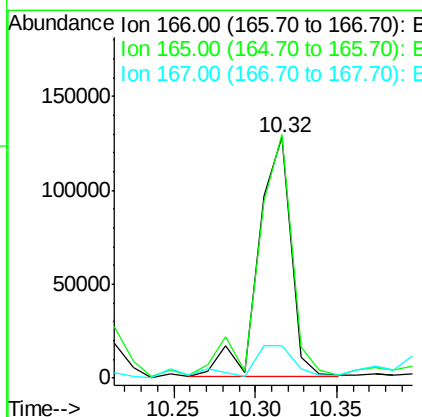
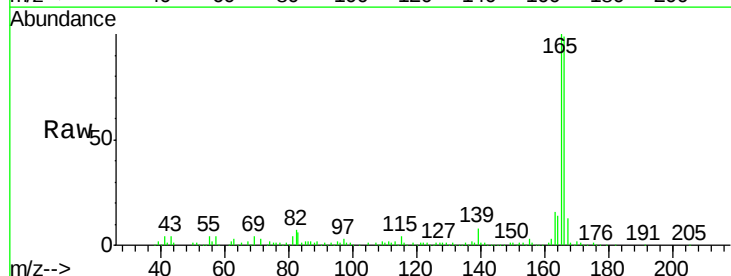
Instrument :
BNA_F
ClientSampleId :

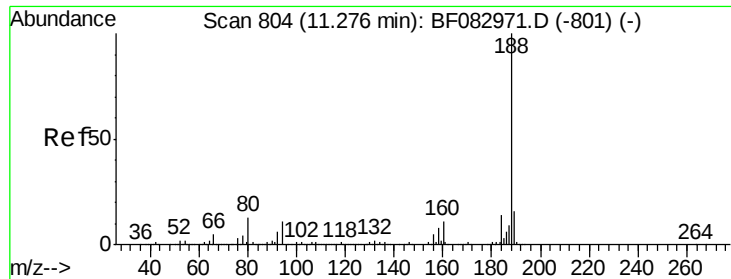
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	37.8	56.6#
169	15.0	11.3	16.9



#57
Fluorene
Concen: 9.57 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	80.2	120.4
167	13.4	11.2	16.8

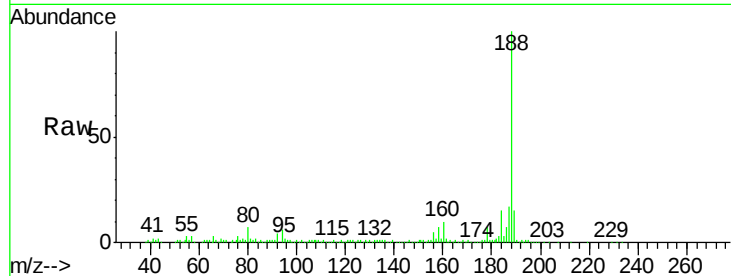




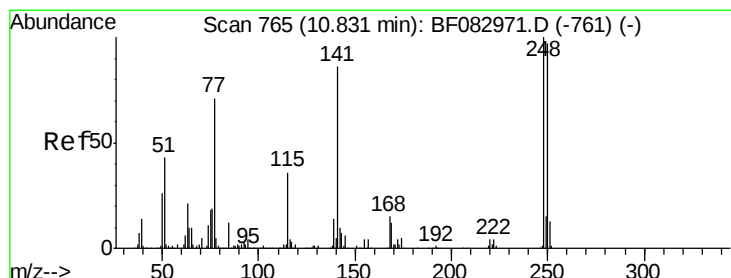
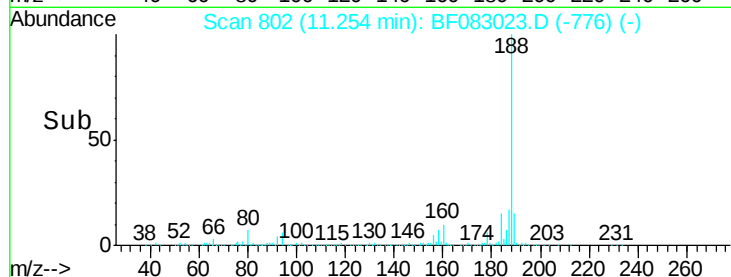
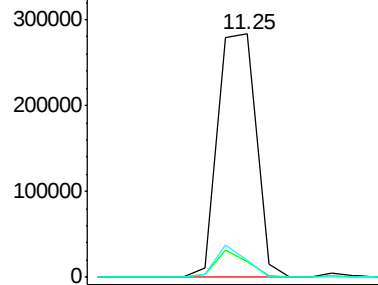
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 405176
Ion Ratio Lower Upper
188 100
94 6.5 6.1 9.1
80 7.1 7.0 10.6

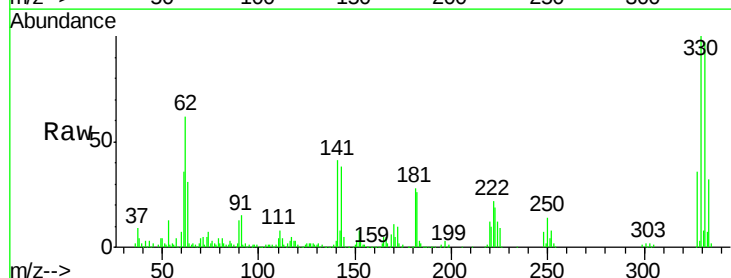


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

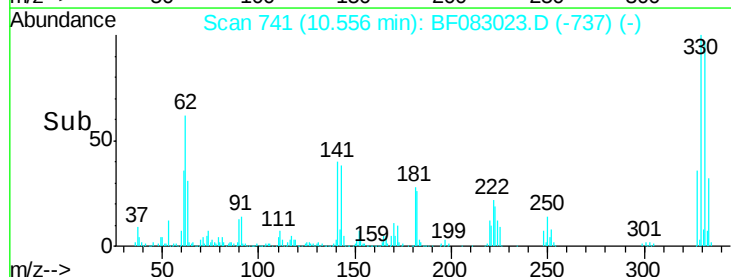
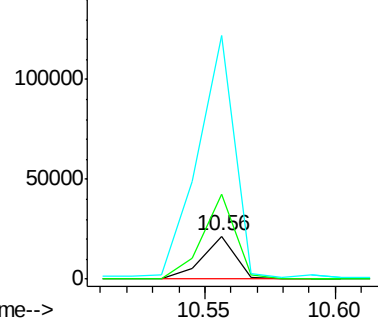


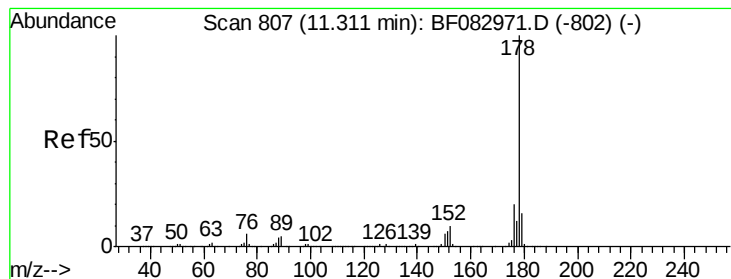
#66
4-Bromophenyl-phenylether
Concen: 3.96 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion:248 Resp: 19315
Ion Ratio Lower Upper
248 100
250 195.3 79.4 119.2#
141 563.5 36.3 54.5#



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





#70

Phenanthrene

Concen: 82.15 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

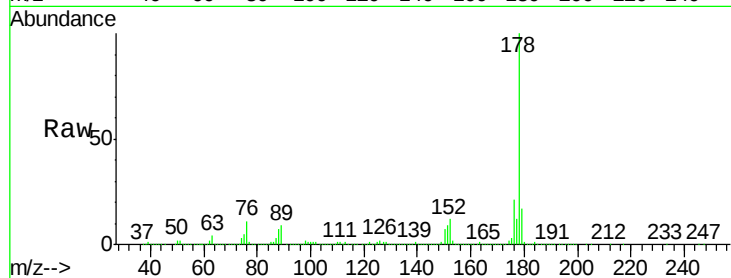
Tot Ion:178 Resp: 1932861

Ion Ratio Lower Upper

178 100

176 21.2 17.0 25.4

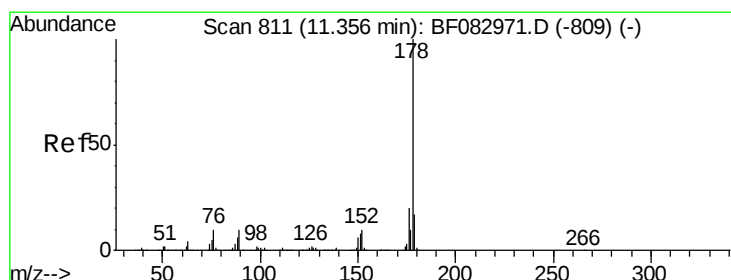
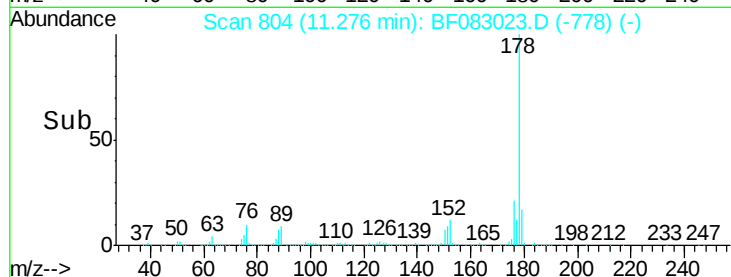
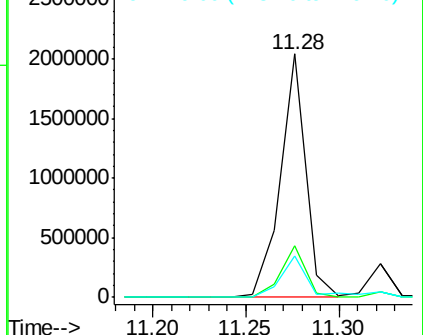
179 17.1 13.4 20.0



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: 9.61 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

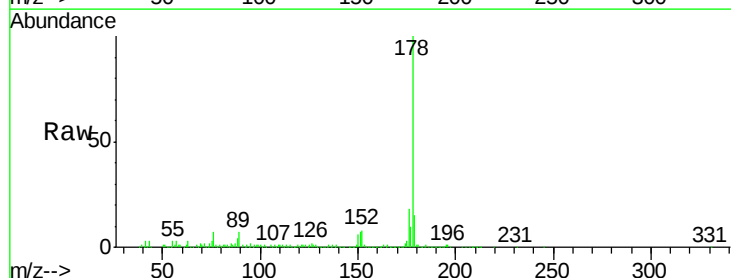
Tgt Ion:178 Resp: 238247

Ion Ratio Lower Upper

178 100

176 17.7 16.5 24.7

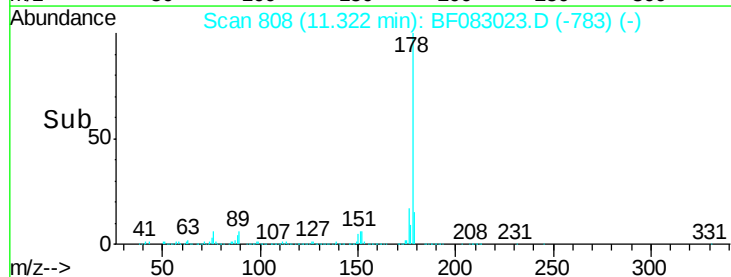
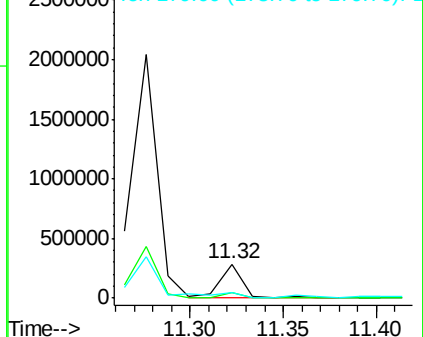
179 15.3 13.2 19.8

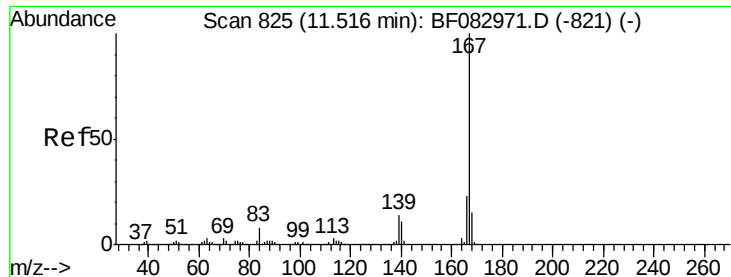


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.60 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

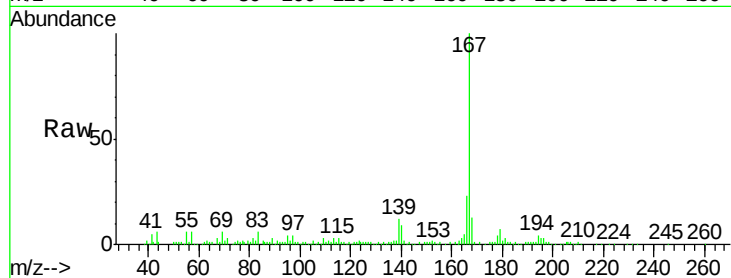
Tot Ion:167 Resp: 164906

Ion Ratio Lower Upper

167 100

166 23.2 18.7 28.1

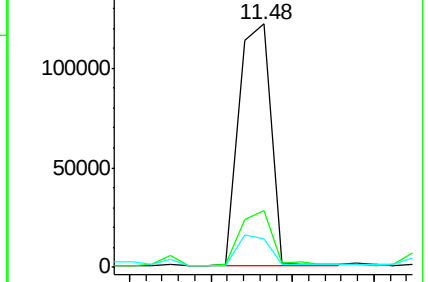
139 11.8 11.8 17.6



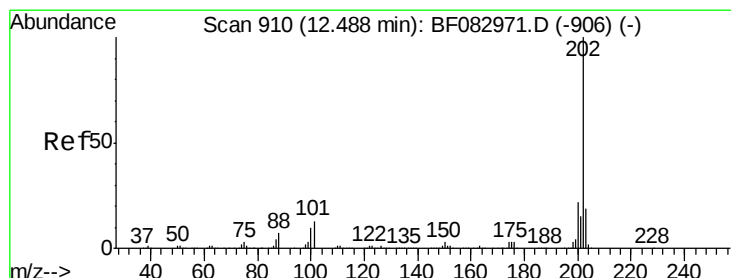
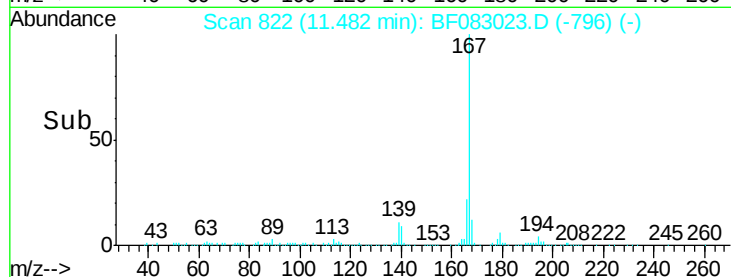
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 78.34 ng

RT: 12.47 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

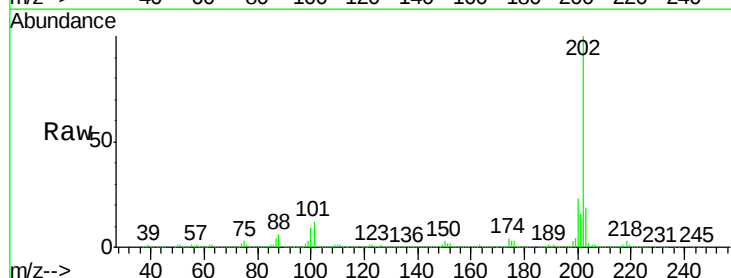
Tgt Ion:202 Resp: 1978023

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.5

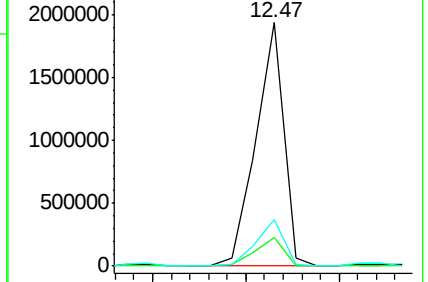
203 19.1 0.0 38.5



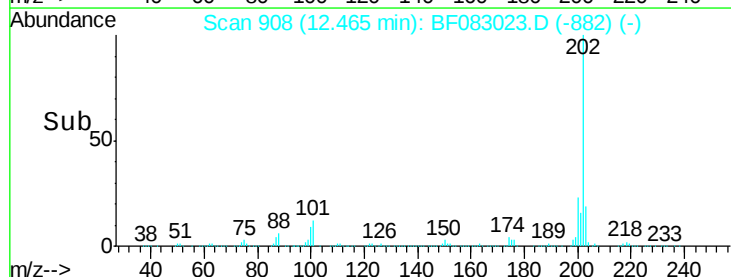
Abundance Ion 202.00 (201.70 to 202.70): E

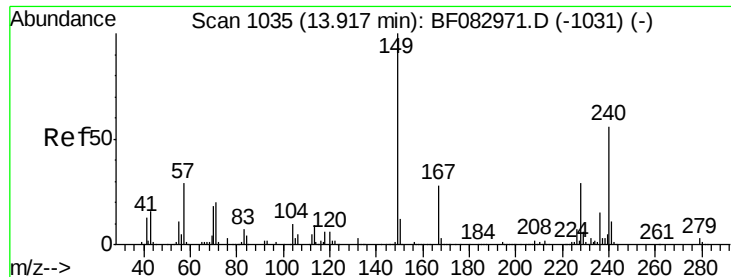
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

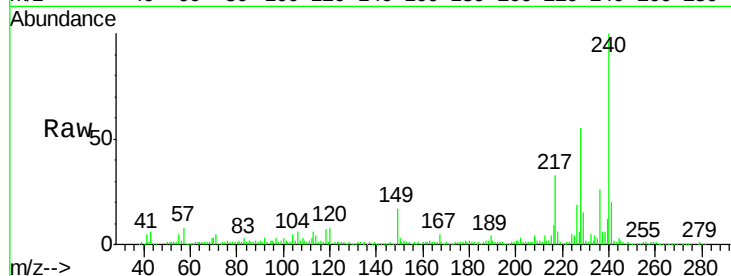
Tot Ion:240 Resp: 281395

Ion Ratio Lower Upper

240 100

120 8.1 10.9 16.3#

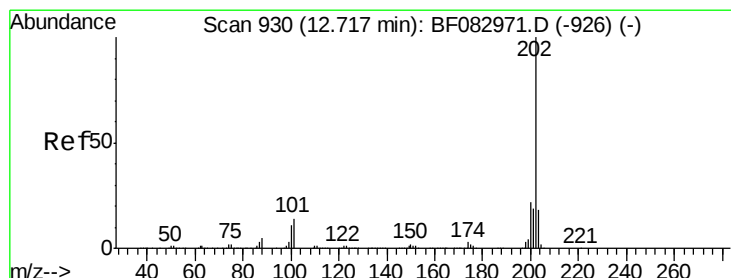
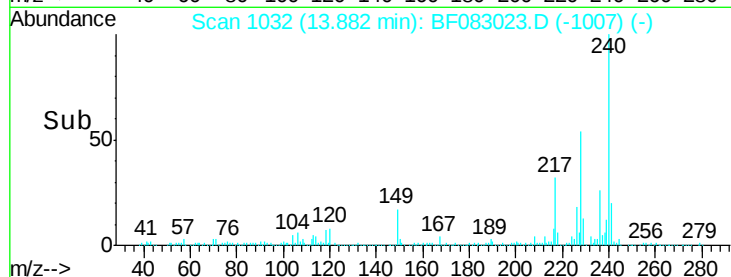
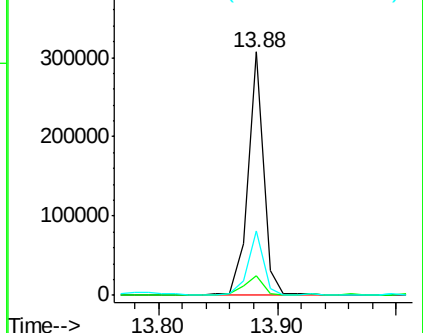
236 26.3 21.6 32.4



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



#77

Pyrene

Concen: 103.23 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

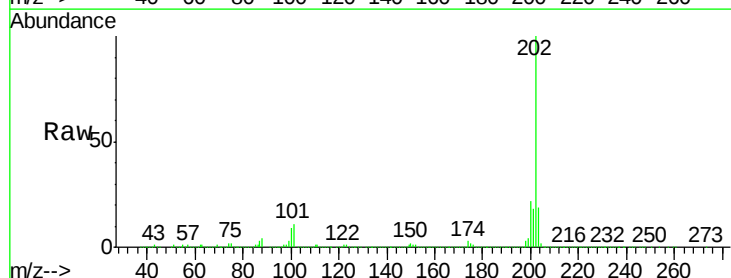
Tgt Ion:202 Resp: 1994949

Ion Ratio Lower Upper

202 100

200 22.4 18.7 28.1

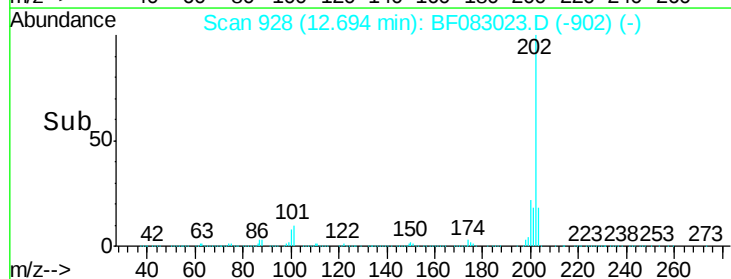
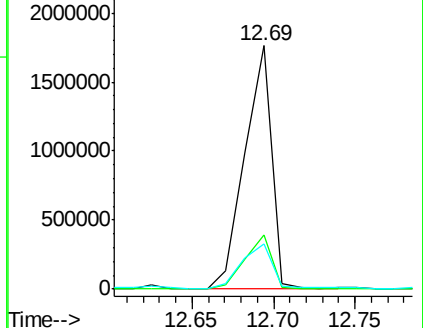
203 18.8 14.8 22.2

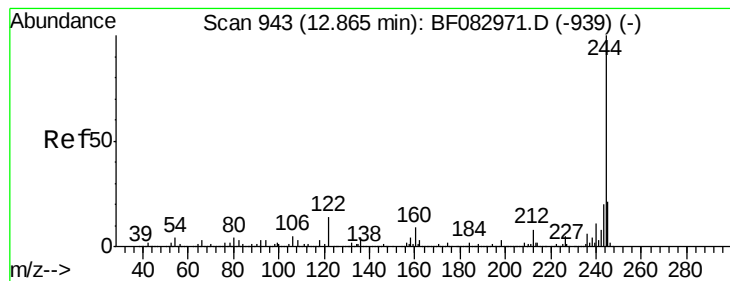


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 80.24 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampled :

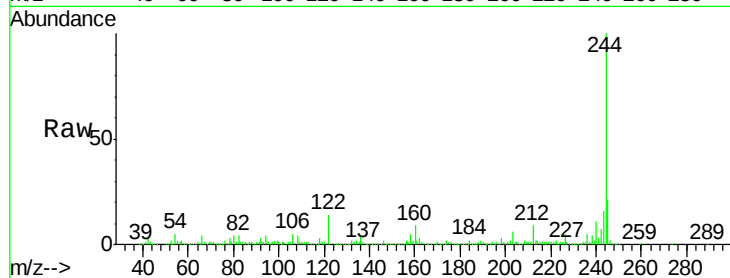
Tot Ion:244 Resp: 951973

Ion Ratio Lower Upper

244 100

212 8.5 7.6 11.4

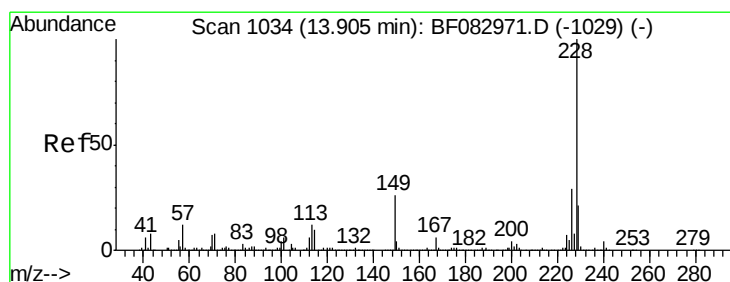
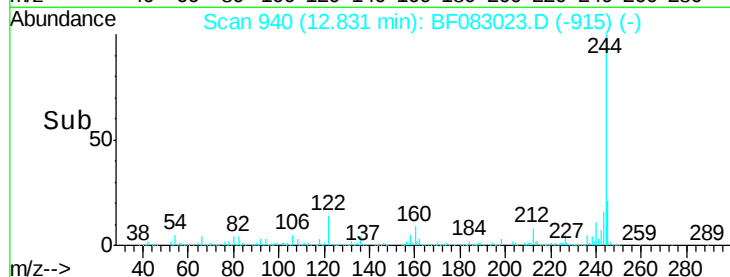
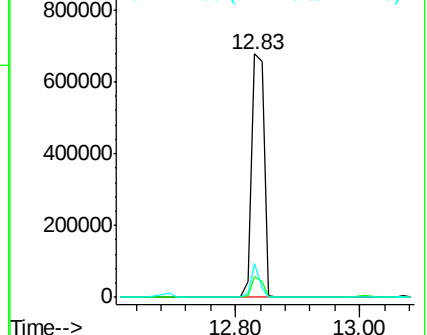
122 13.9 11.3 16.9



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



#80

Benzo(a)anthracene

Concen: 47.60 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.03 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

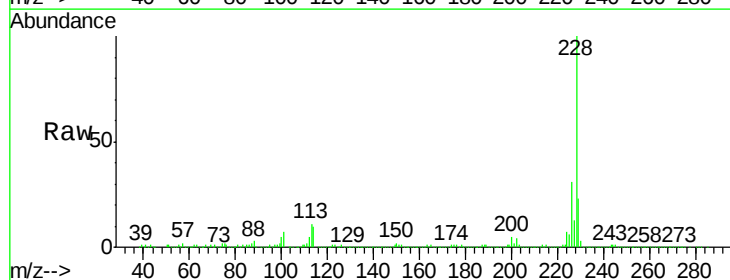
Tgt Ion:228 Resp: 837675

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

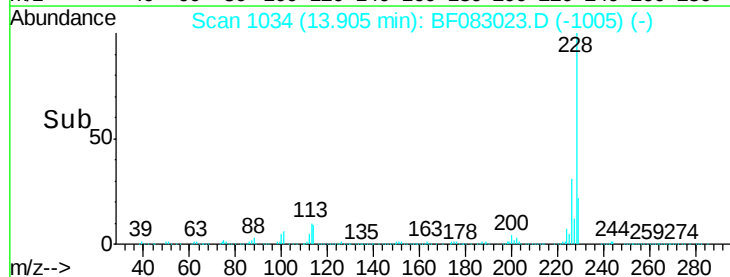
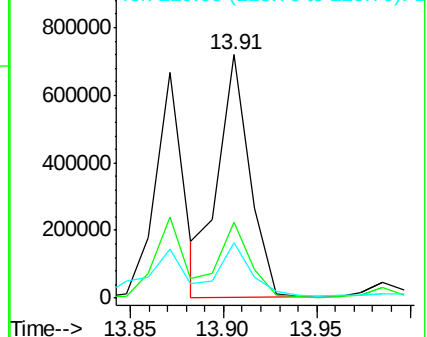
229 22.5 16.3 24.5

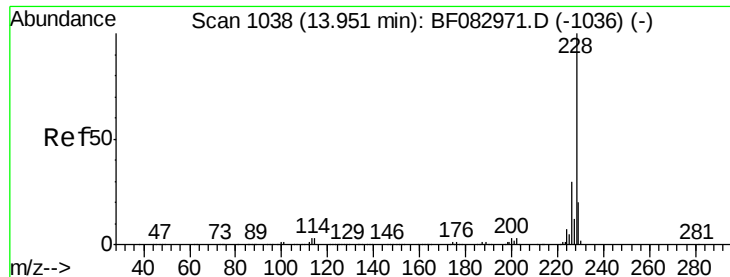


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 51.99 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

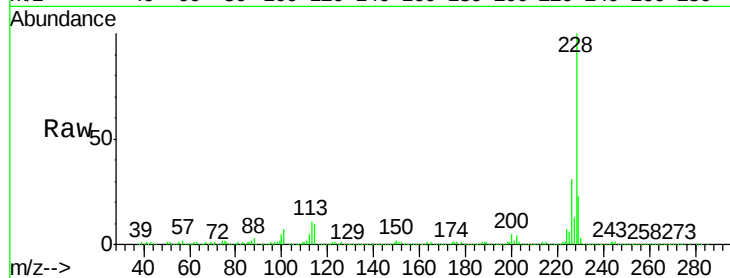
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 837911

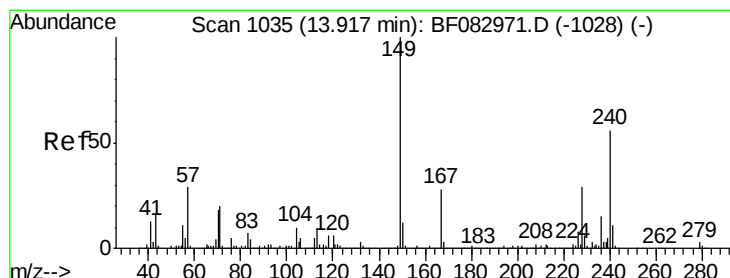
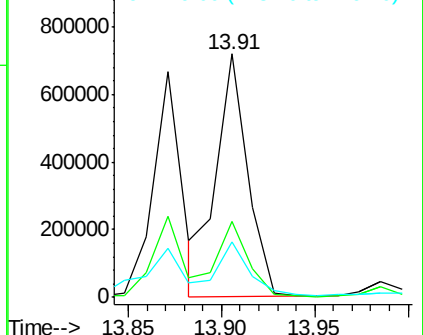
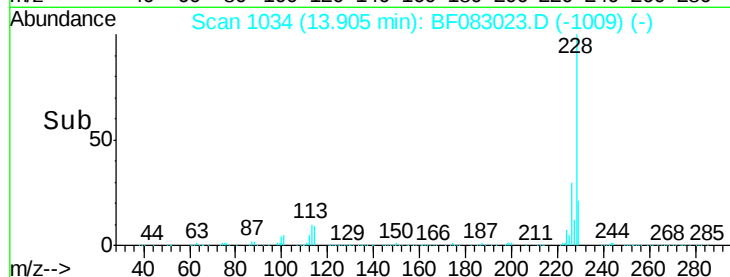
Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	22.5	16.3	24.5



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

Bis(2-ethylhexyl)phthalate

Concen: 4.51 ng

RT: 13.88 min Scan# 1032

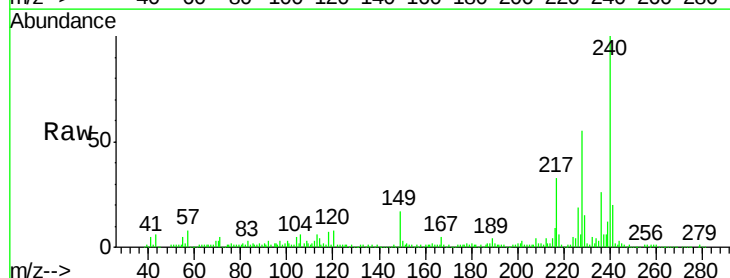
Delta R.T. 0.00 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Tgt Ion:149 Resp: 52688

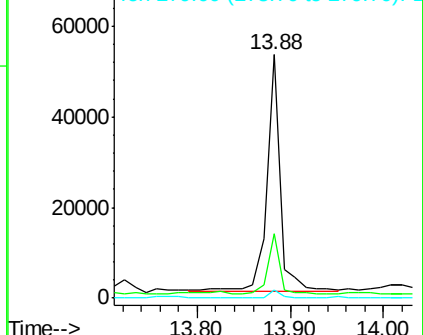
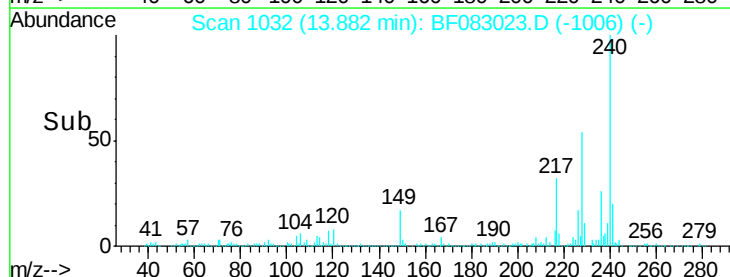
Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.2	31.8
279	3.5	2.2	3.2#

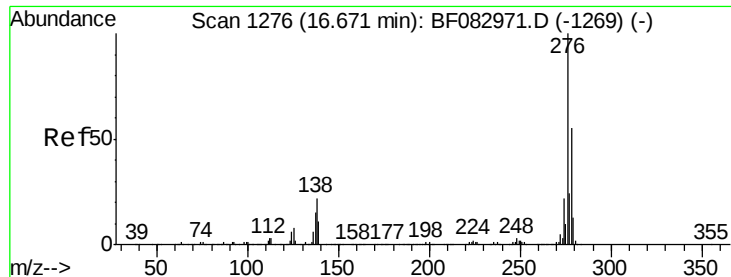


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

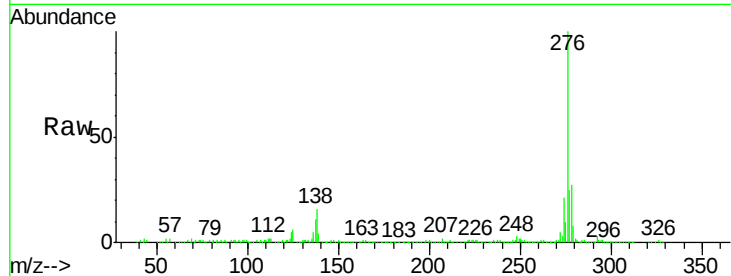




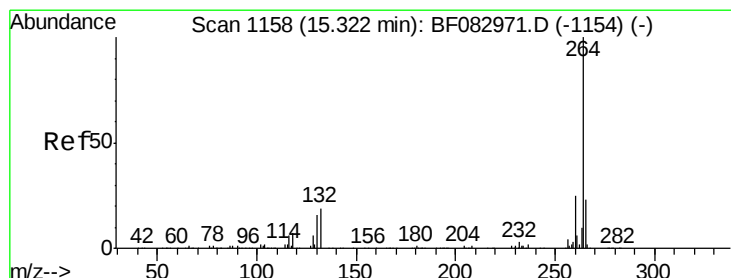
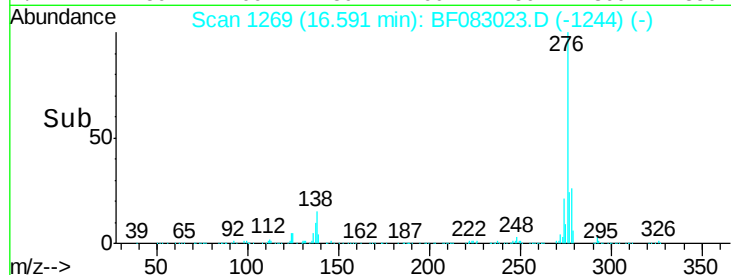
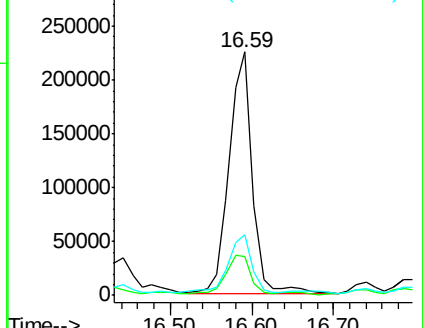
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 31.71 ng
 RT: 16.59 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF083023.D
 Acq: 18 Nov 2015 22:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.0	15.3	22.9
277	24.5	20.2	30.4

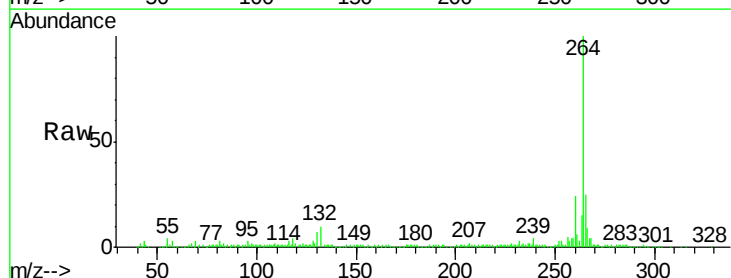


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

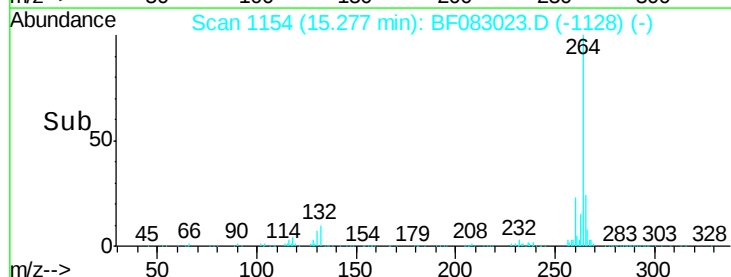
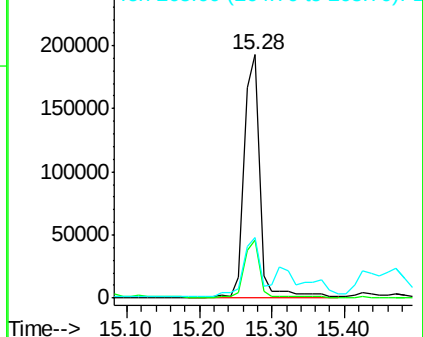


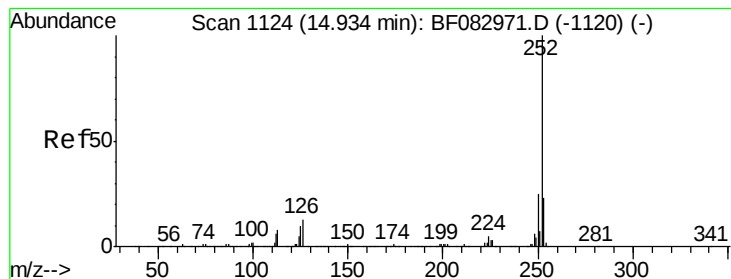
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF083023.D
 Acq: 18 Nov 2015 22:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.8	29.6
265	24.7	17.4	26.0



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





#87

Benzo(b)fluoranthene

Concen: 68.78 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

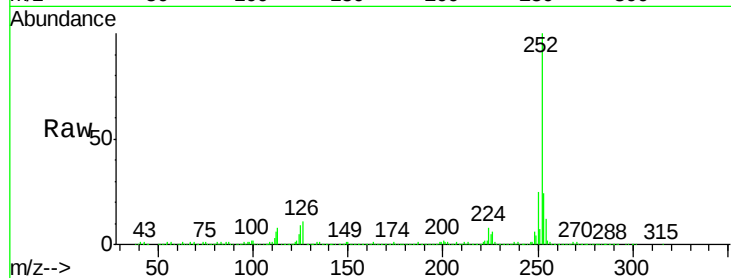
Tot Ion:252 Resp: 1274661

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

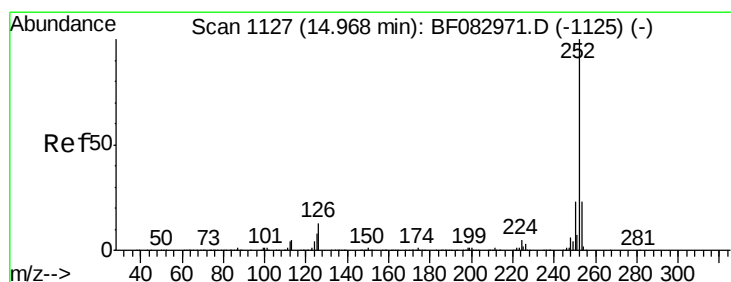
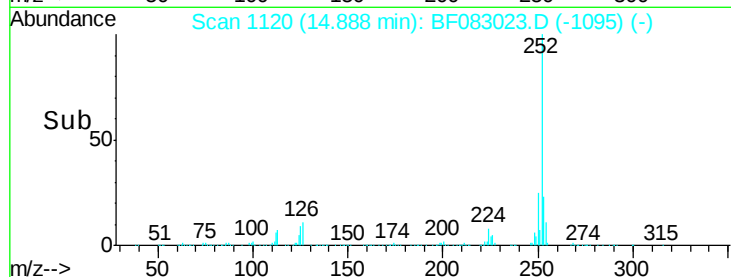
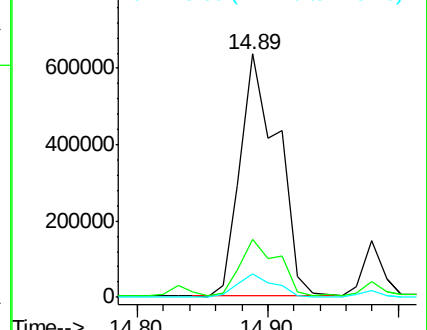
125 9.5 5.4 8.2#



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



#88

Benzo(k)fluoranthene

Concen: 77.54 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

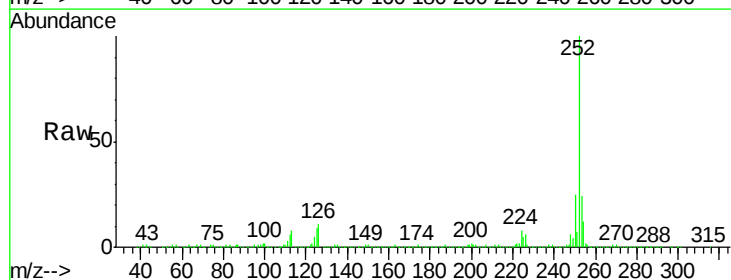
Tgt Ion:252 Resp: 1274661

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

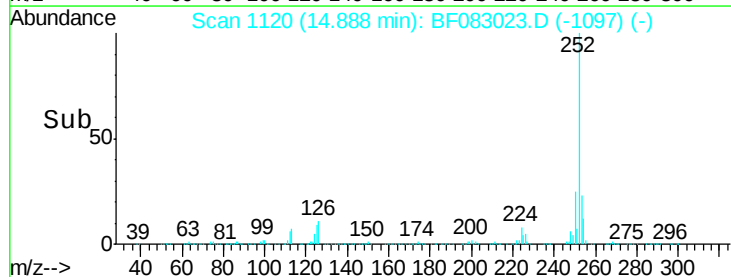
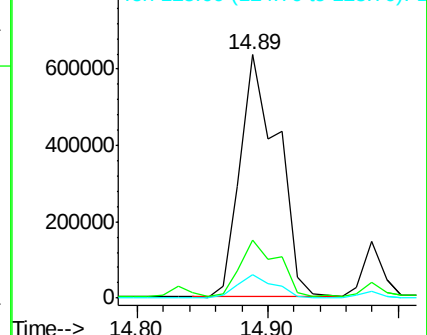
125 9.5 3.5 5.3#

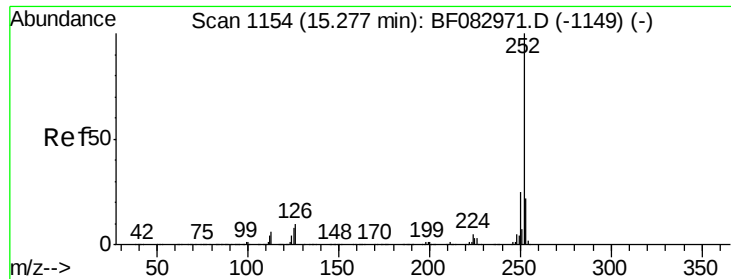


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

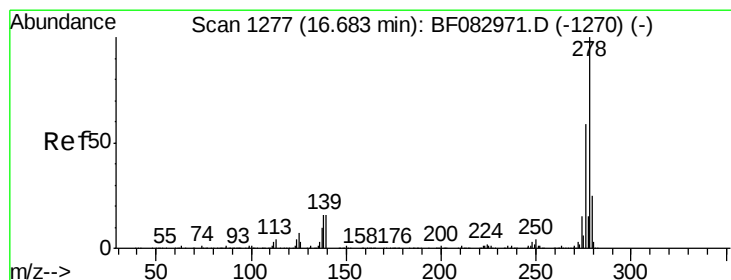
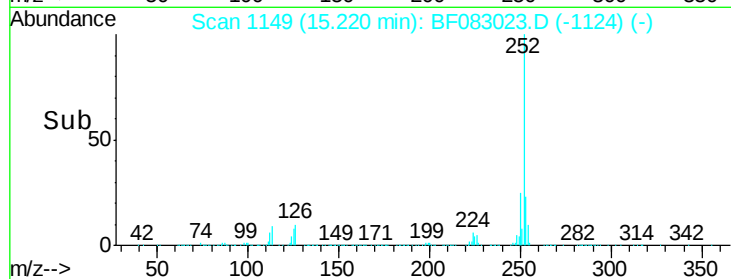
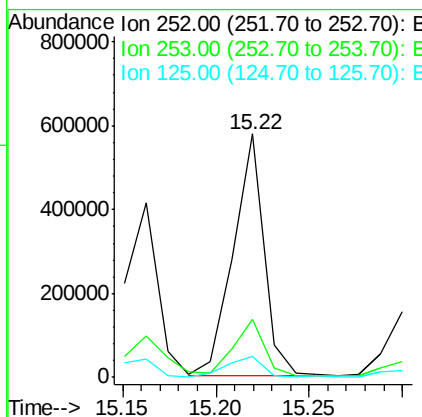
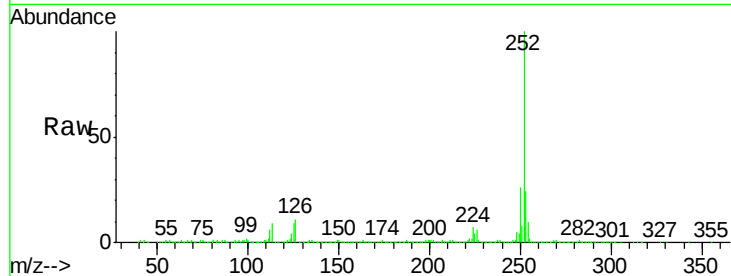




#89
Benzo(a)pyrene
Concen: 41.82 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

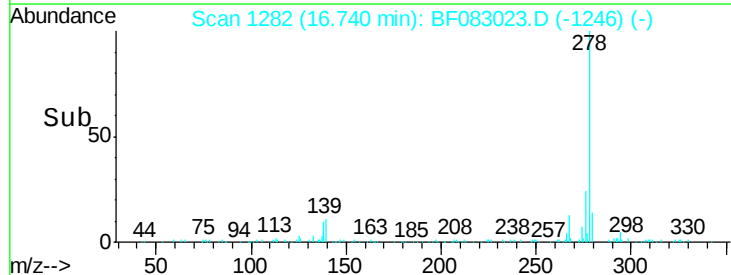
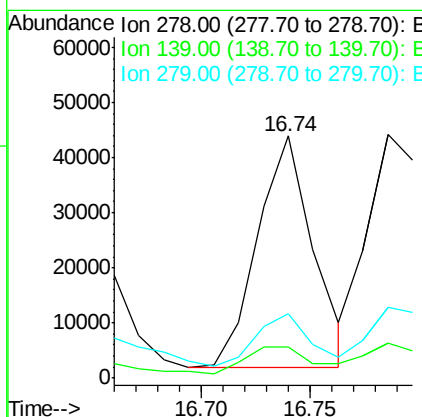
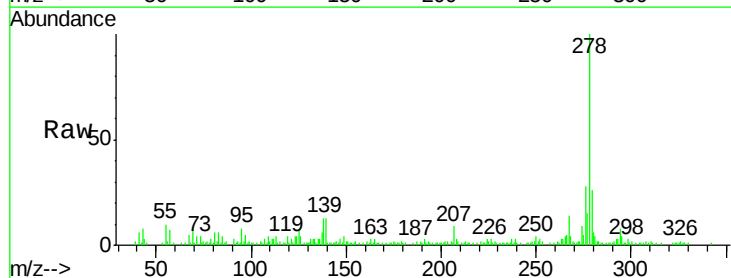
Instrument :
BNA_F
ClientSampleId :

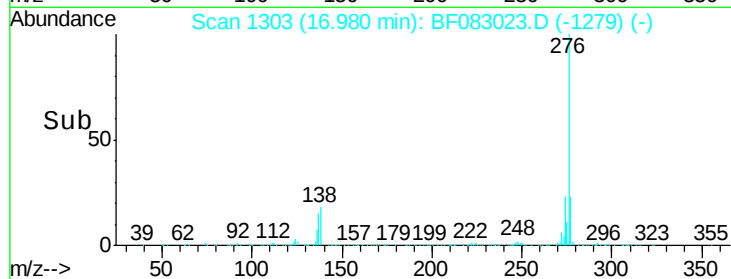
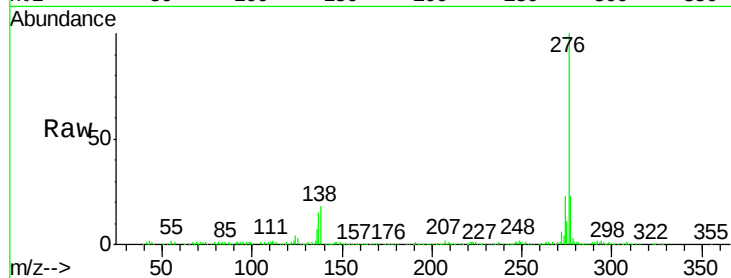
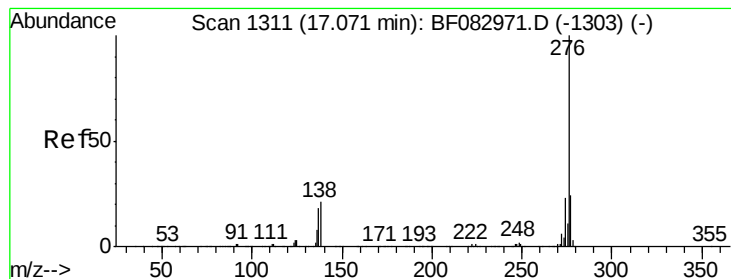
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.3	25.9
125	8.6	7.1	10.7



#90
Dibenzo(a,h)anthracene
Concen: 5.53 ng
RT: 16.74 min Scan# 1282
Delta R.T. 0.11 min
Lab File: BF083023.D
Acq: 18 Nov 2015 22:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.8	9.9	14.9
279	26.4	19.6	29.4





#91

Benzo(a,h,i)perylene

Concen: 30.04 ng

RT: 16.98 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF083023.D

Acq: 18 Nov 2015 22:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 391261

Ion Ratio Lower Upper

276 100

277 23.4 19.2 28.8

138 18.3 13.1 19.7

