

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083021.D
 Acq On : 18 Nov 2015 21:27
 Operator : UM/IZ
 Sample : G4480-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 01:51:52 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	184476	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	966028	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	441449	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	710459	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	480192	20.00	ng	-0.02
86) Perylene-d12	15.27	264	477793	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	949469	80.08	ng	0.00
7) Phenol-d6	6.38	99	1428109	90.60	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1421578	64.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	400153	79.06	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1943161	63.09	ng	-0.01
78) Terphenyl-d14	12.83	244	1466263	72.42	ng	-0.01

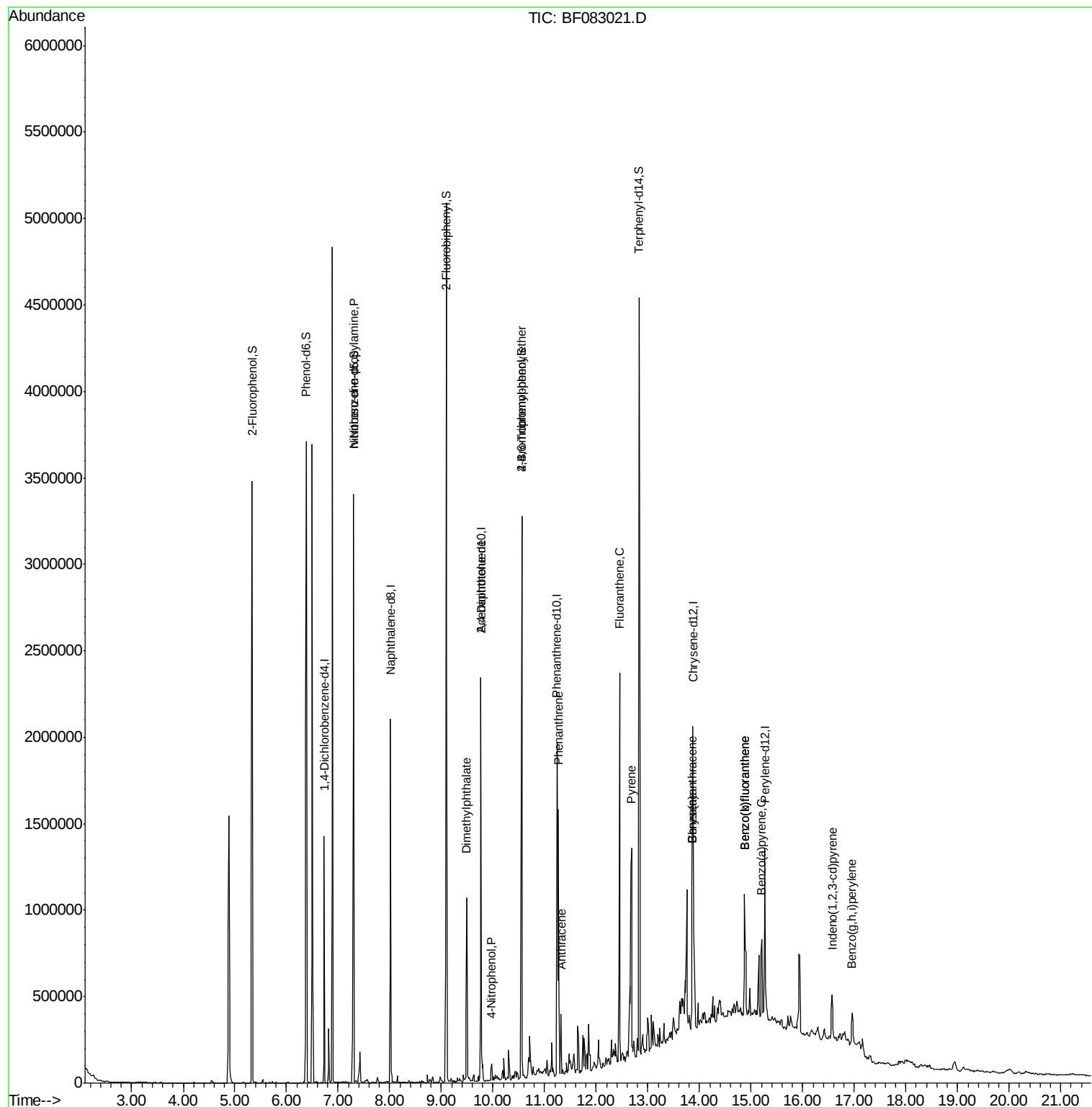
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	188135	16.24	ng	# 65
49) Dimethylphthalate	9.49	163	397772	11.00	ng	98
55) 4-Nitrophenol	9.97	139	14455	2.22	ng	# 4
56) 2,4-Dinitrotoluene	9.77	165	61358	5.86	ng	# 15
66) 4-Bromophenyl-phenylether	10.56	248	28568	3.34	ng	# 1
70) Phenanthrene	11.26	178	575914	13.96	ng	97
71) Anthracene	11.32	178	176050	4.05	ng	95
74) Fluoranthene	12.45	202	863975	19.51	ng	99
77) Pyrene	12.68	202	703038	21.32	ng	97
80) Benzo(a)anthracene	13.86	228	377182	12.56	ng	97
82) Chrysene	13.86	228	377182	13.71	ng	94
85) Indeno(1,2,3-cd)pyrene	16.57	276	173435	7.32	ng	# 94
87) Benzo(b)fluoranthene	14.88	252	480202	15.66	ng	# 95
88) Benzo(k)fluoranthene	14.88	252	480202	17.65	ng	# 95
89) Benzo(a)pyrene	15.21	252	267565	10.07	ng	100
91) Benzo(g,h,i)perylene	16.96	276	152362	7.07	ng	# 93

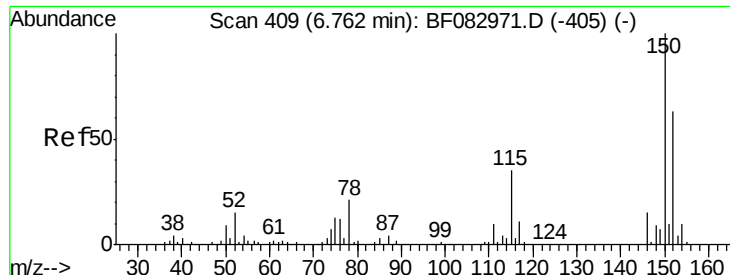
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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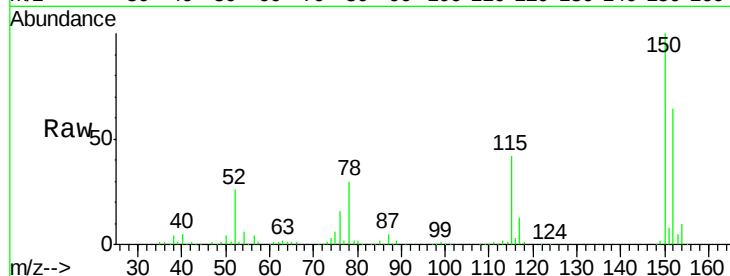


#1

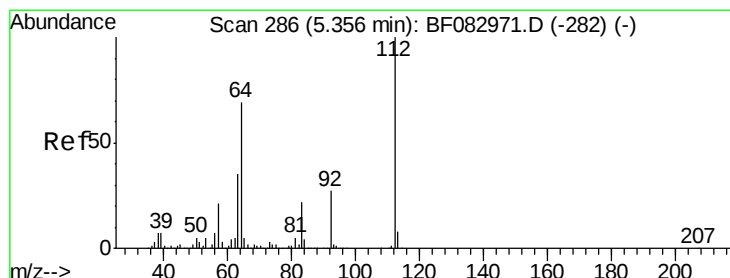
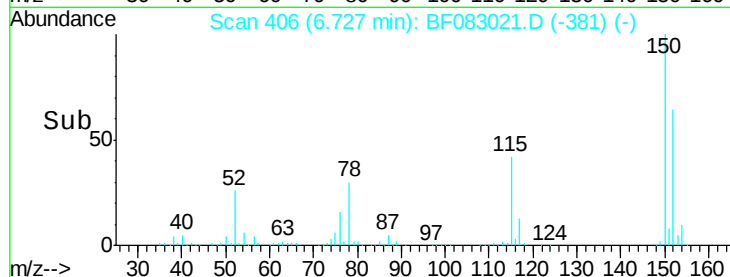
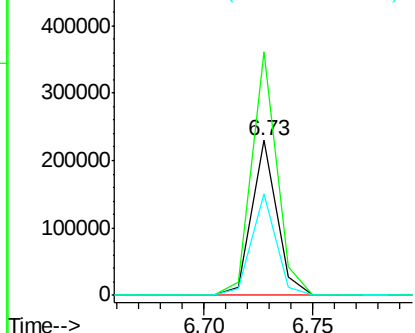
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	127.0	190.4
115	65.9	47.0	70.6



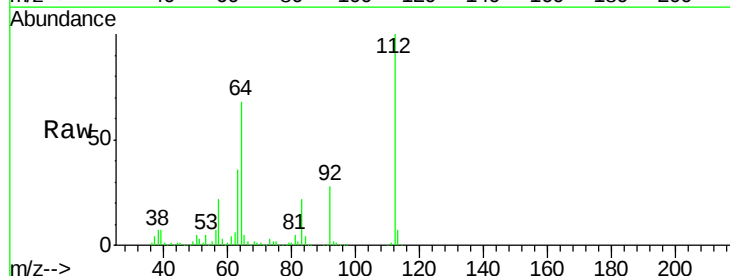
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



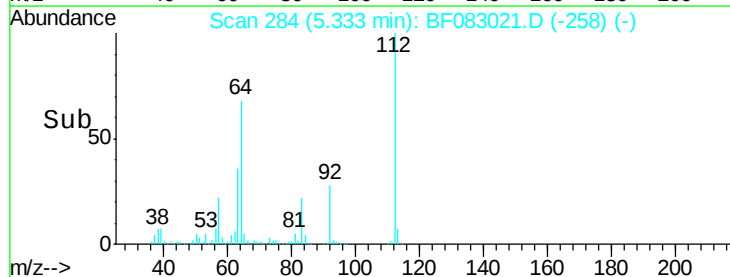
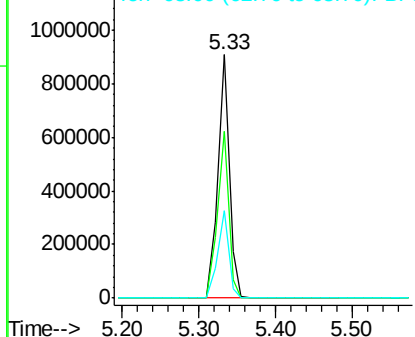
#5

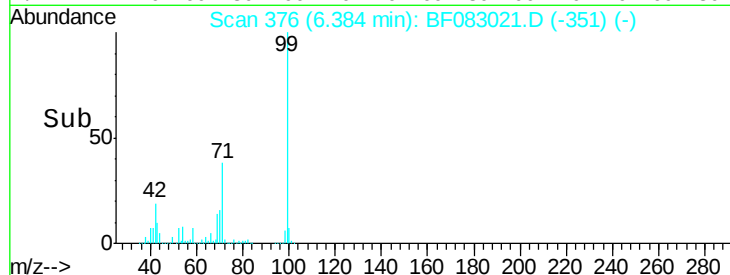
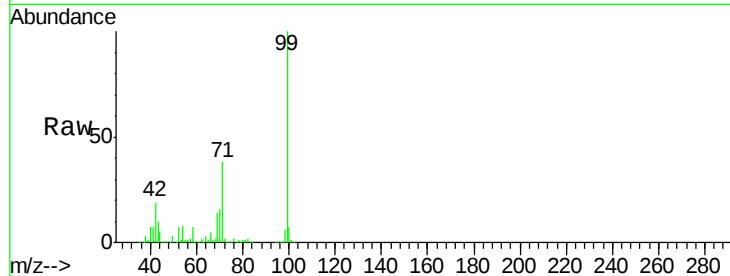
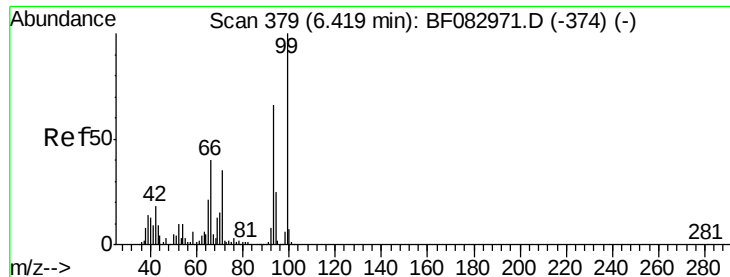
2-Fluorophenol
Concen: 80.08 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	48.9	73.3
63	36.0	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: 90.60 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

Instrument :

BNA_F

ClientSampleId :

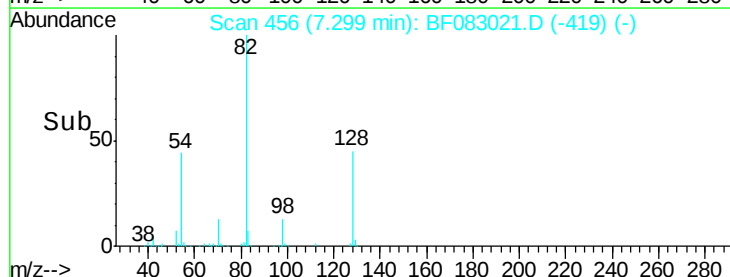
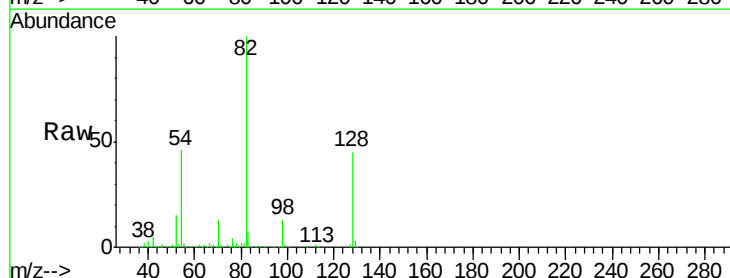
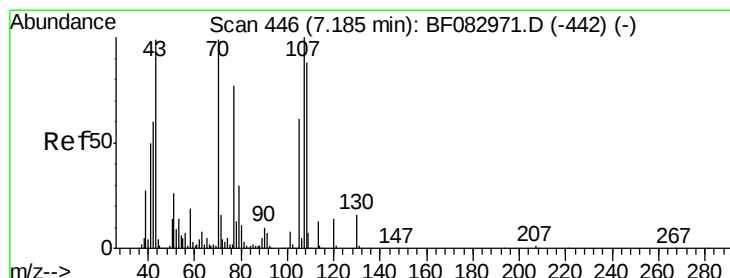
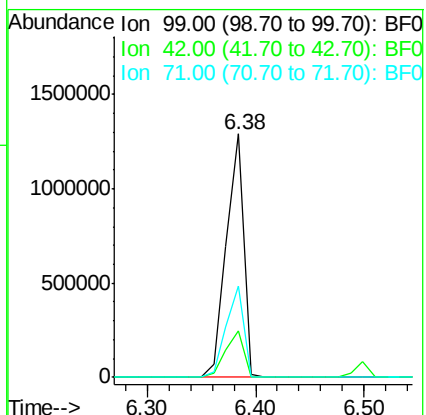
Tot Ion: 99 Resp: 1428109

Ion Ratio Lower Upper

99 100

42 19.3 19.2 28.8

71 37.6 35.0 52.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.24 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.13 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

Tgt Ion: 70 Resp: 188135

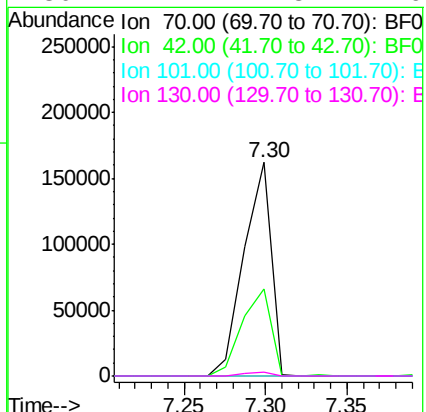
Ion Ratio Lower Upper

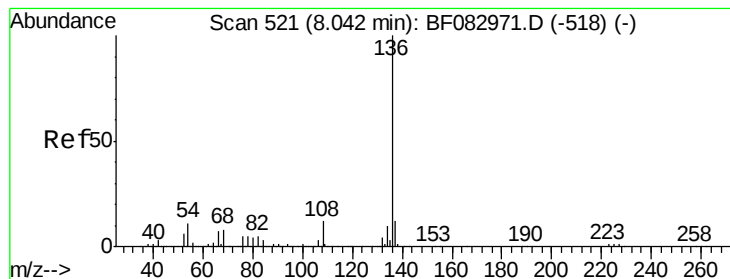
70 100

42 40.7 57.7 86.5#

101 0.0 7.0 10.6#

130 2.1 11.8 17.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 966028

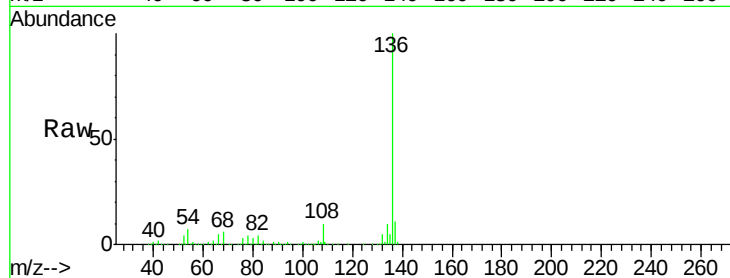
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.2 9.1 13.7#

68 5.8 4.8 7.2

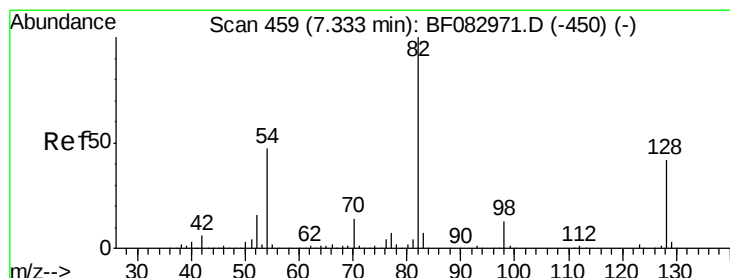
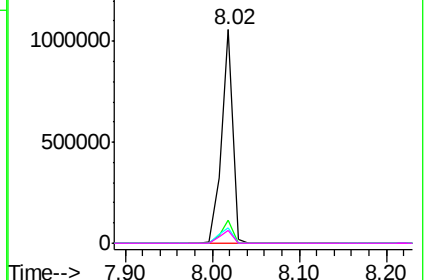
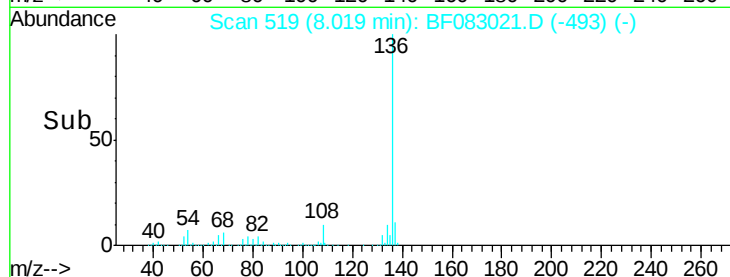


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.03 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

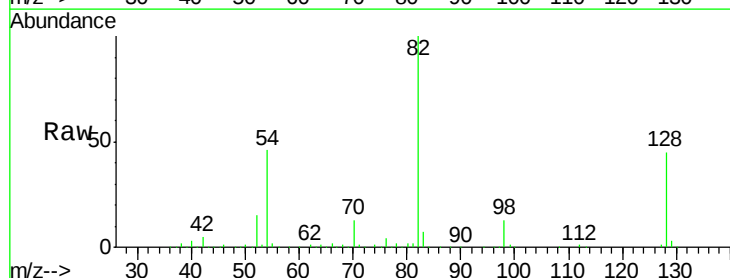
Tgt Ion: 82 Resp: 1421578

Ion Ratio Lower Upper

82 100

128 44.9 26.8 40.2#

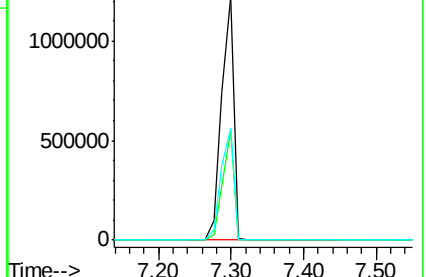
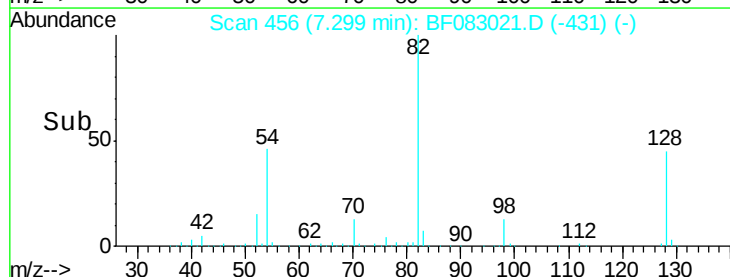
54 46.2 45.7 68.5

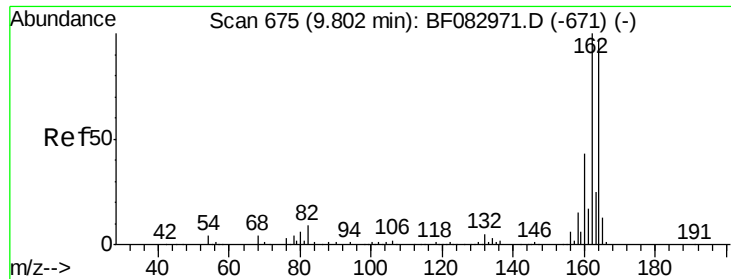


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

Instrument :

BNA_F

ClientSampleId :

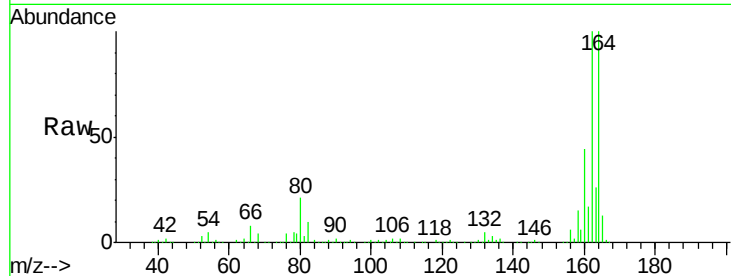
Tot Ion:164 Resp: 441449

Ion Ratio Lower Upper

164 100

162 100.4 84.9 127.3

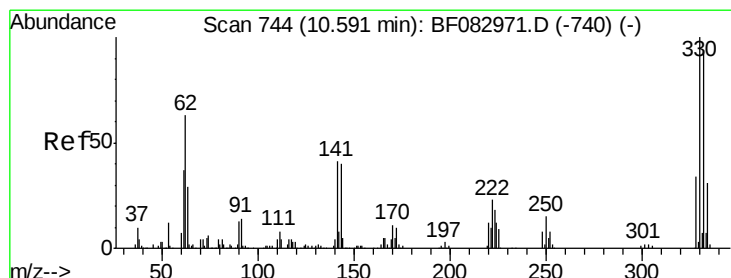
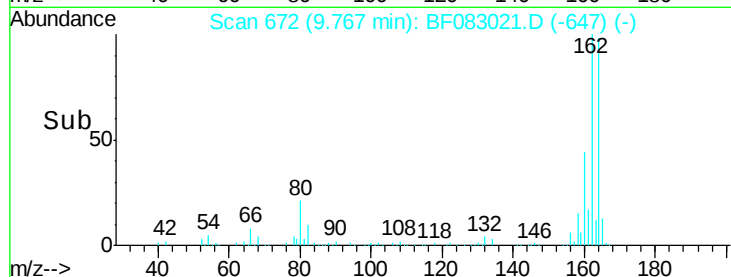
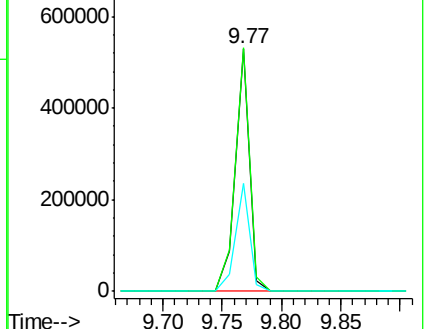
160 44.4 37.5 56.3



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: 79.06 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

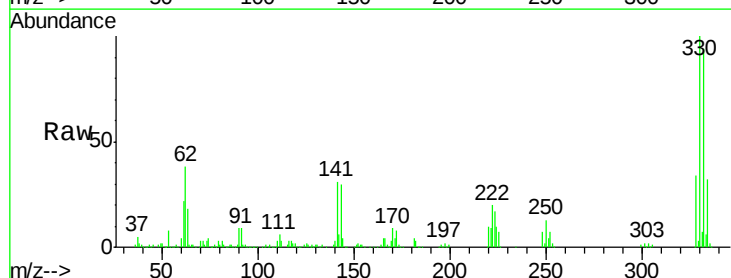
Tgt Ion:330 Resp: 400153

Ion Ratio Lower Upper

330 100

332 93.8 76.6 114.8

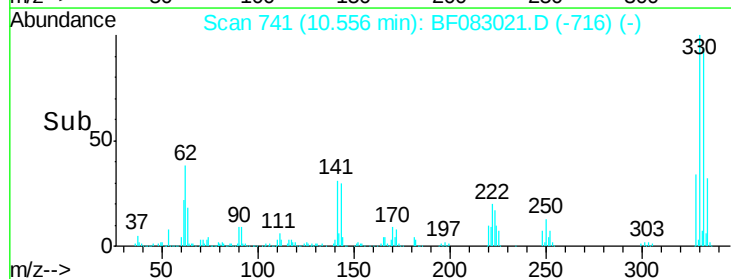
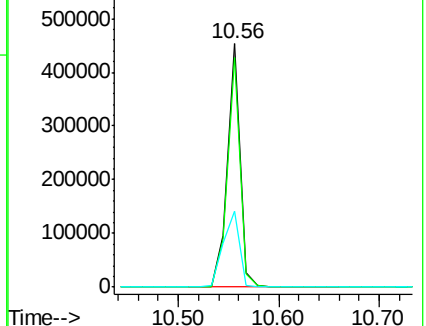
141 39.6 41.2 61.8#

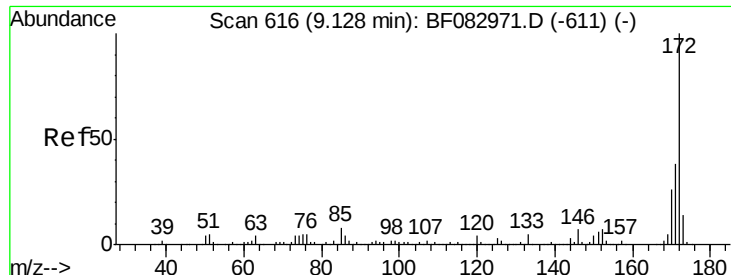


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

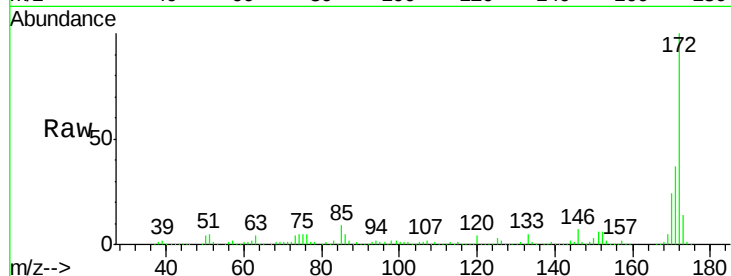




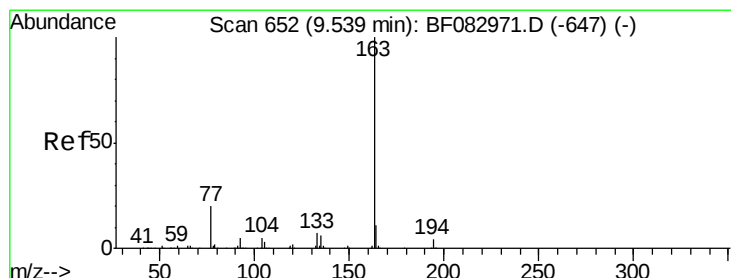
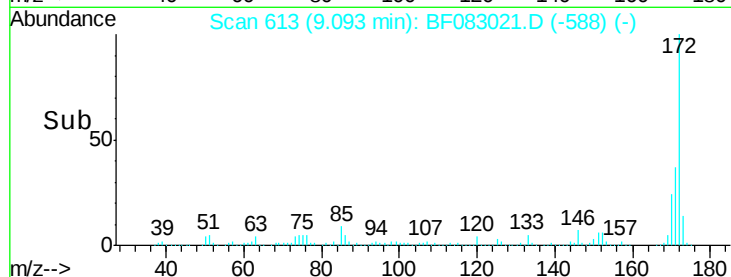
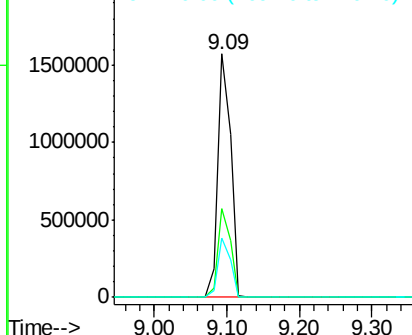
#44
2-Fluorobiphenyl
Concen: 63.09 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1943161
Ion Ratio Lower Upper
172 100
171 36.5 30.8 46.2
170 24.4 21.2 31.8

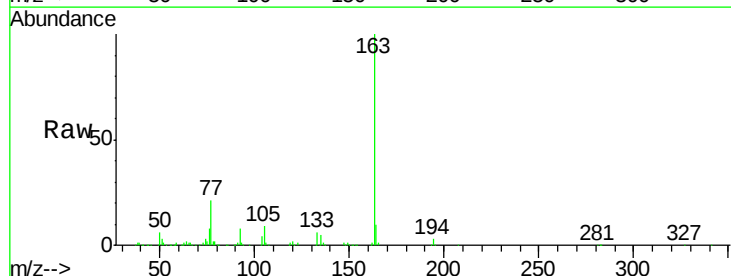


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

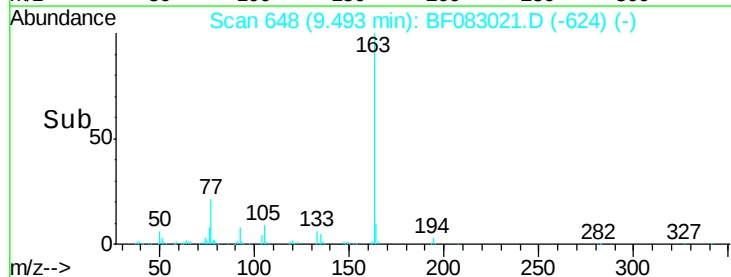
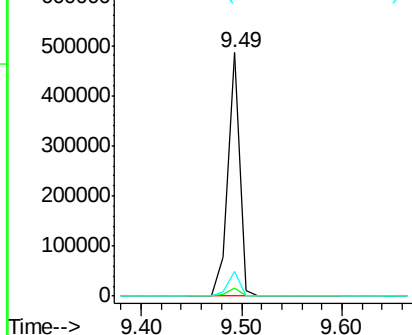


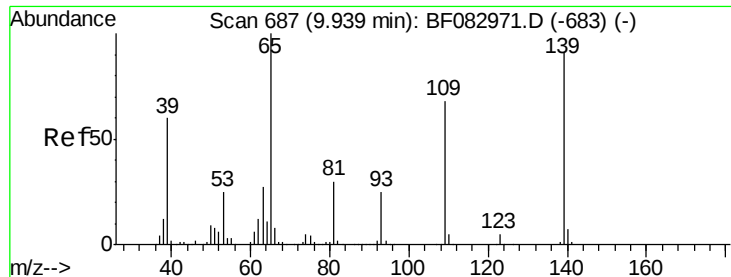
#49
Dimethylphthalate
Concen: 11.00 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion:163 Resp: 397772
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.9 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

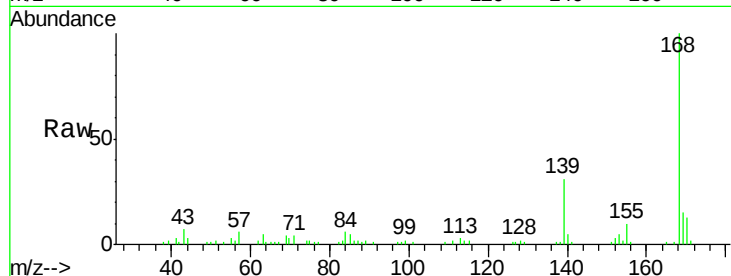




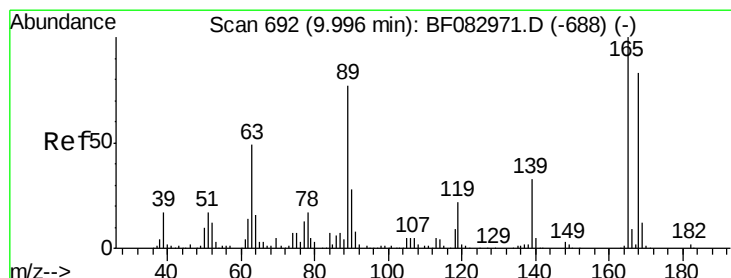
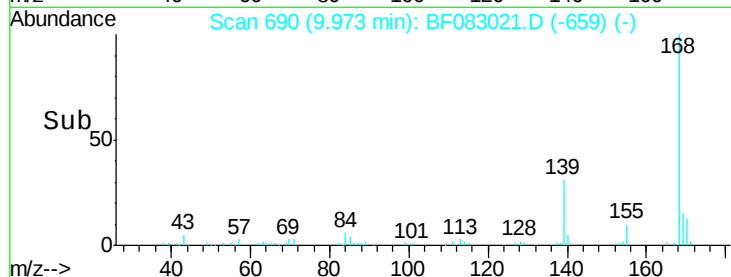
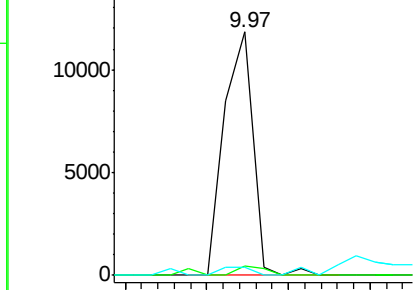
#55
4-Nitrophenol
Concen: 2.22 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.06 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	3.7	73.7	113.7#
65	3.3	82.9	122.9#



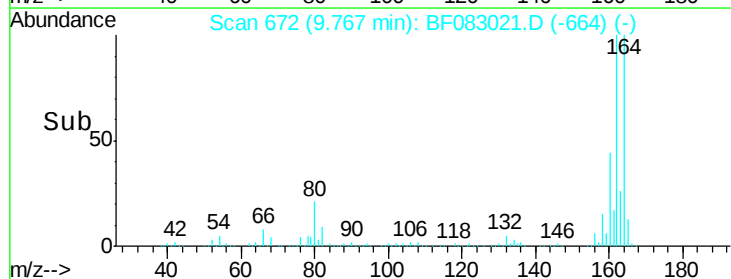
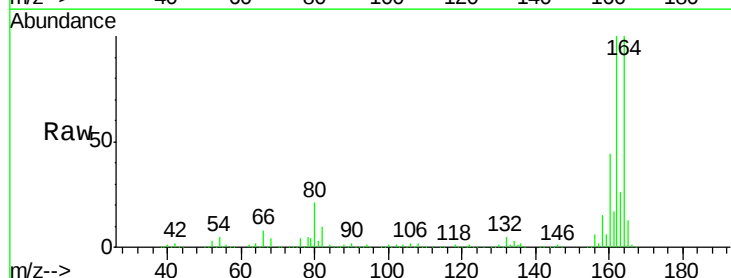
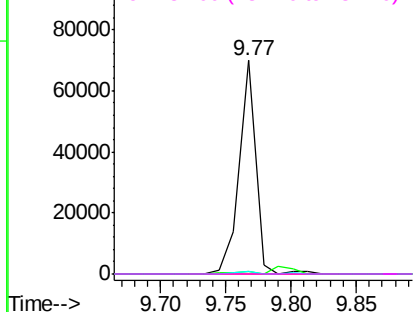
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

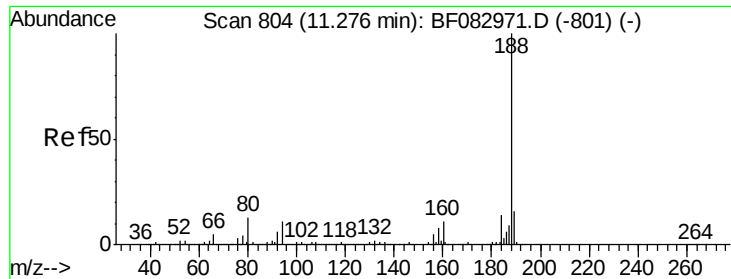


#56
2,4-Dinitrotoluene
Concen: 5.86 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.21 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	43.4	65.0#
89	1.2	70.6	106.0#
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

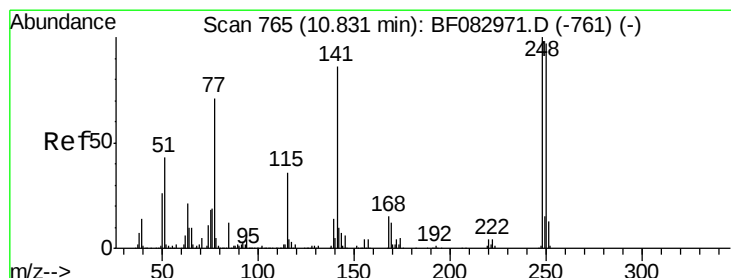
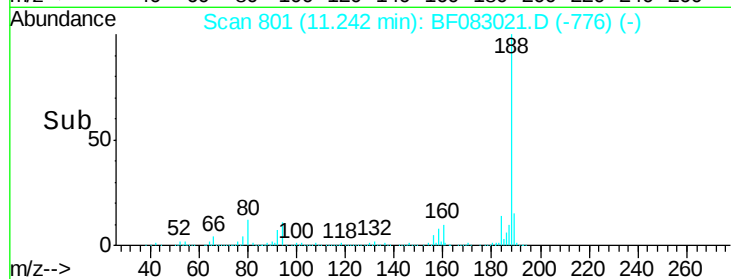
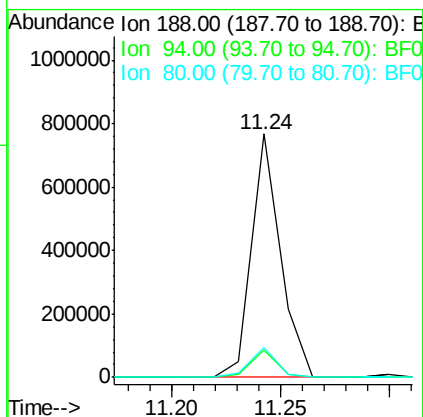
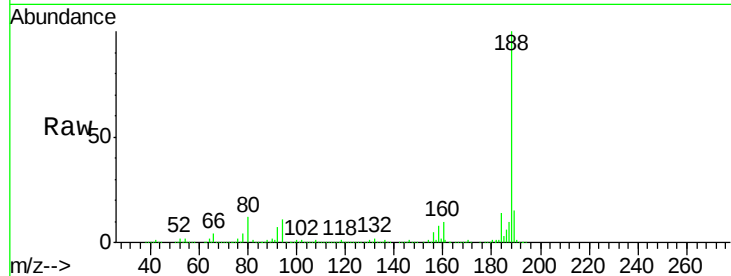




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

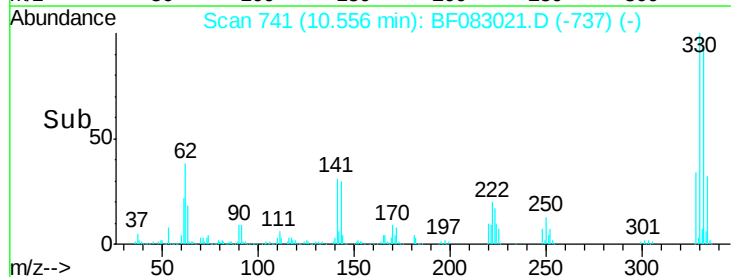
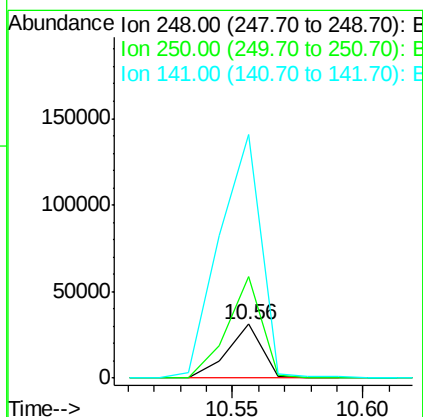
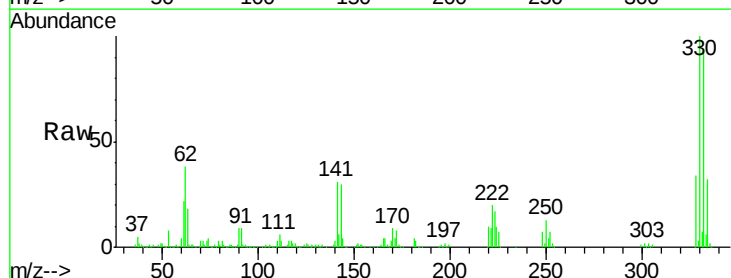
Instrument :
BNA_F
ClientSampleId :

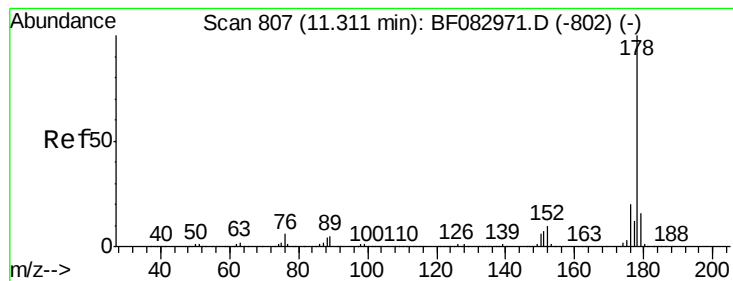
Tot Ion:188 Resp: 710459
Ion Ratio Lower Upper
188 100
94 11.5 6.1 9.1#
80 12.5 7.0 10.6#



#66
4-Bromophenyl-phenylether
Concen: 3.34 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion:248 Resp: 28568
Ion Ratio Lower Upper
248 100
250 189.2 79.4 119.2#
141 454.2 36.3 54.5#





#70

Phenanthrene

Concen: 13.96 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

Instrument :

BNA_F

ClientSampleId :

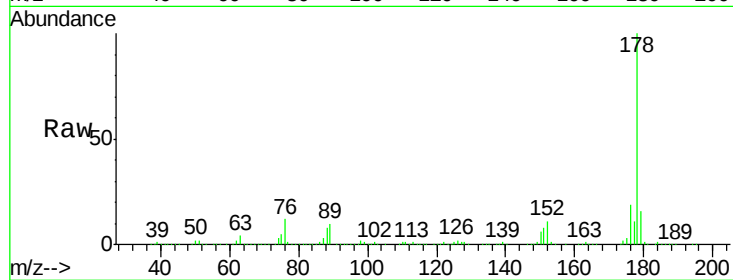
Tot Ion:178 Resp: 575914

Ion Ratio Lower Upper

178 100

176 19.5 17.0 25.4

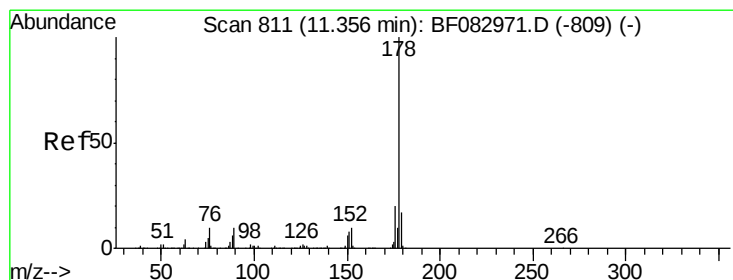
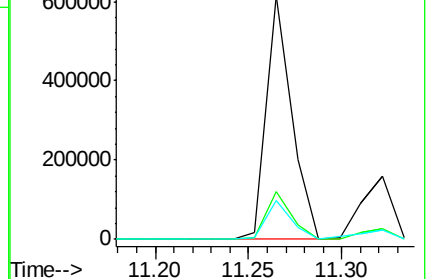
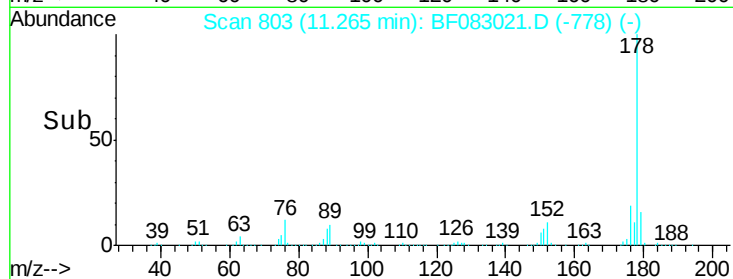
179 15.9 13.4 20.0



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: 4.05 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

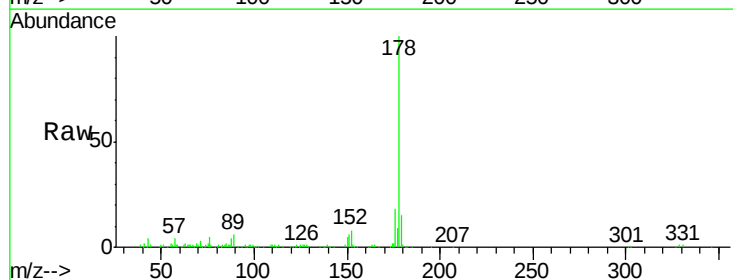
Tgt Ion:178 Resp: 176050

Ion Ratio Lower Upper

178 100

176 17.6 16.5 24.7

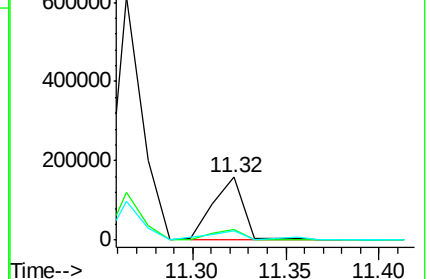
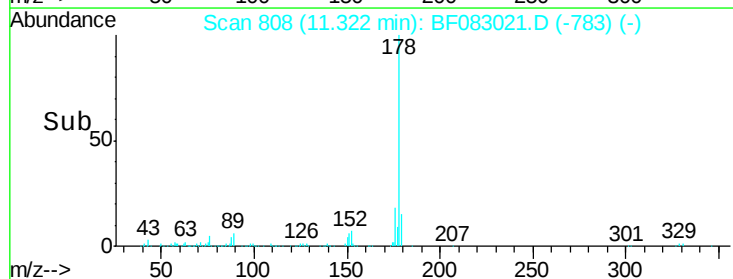
179 14.7 13.2 19.8

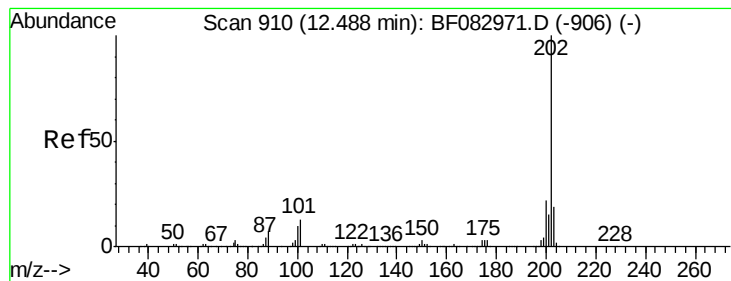


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.51 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

Instrument :

BNA_F

ClientSampleId :

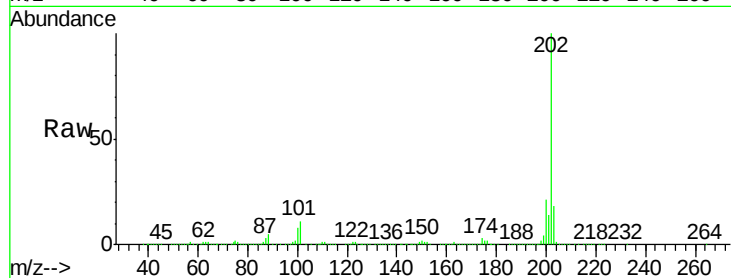
Tot Ion:202 Resp: 863975

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.5

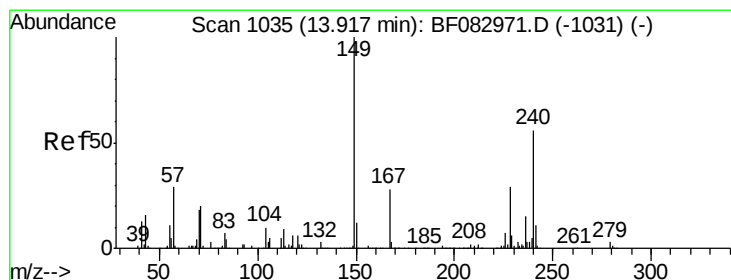
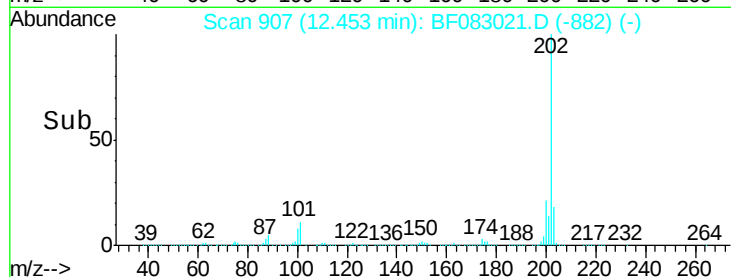
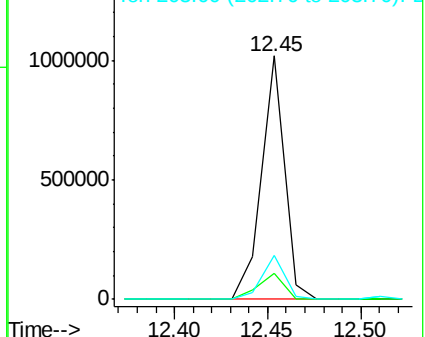
203 17.8 0.0 38.5



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083021.D

Acq: 18 Nov 2015 21:27

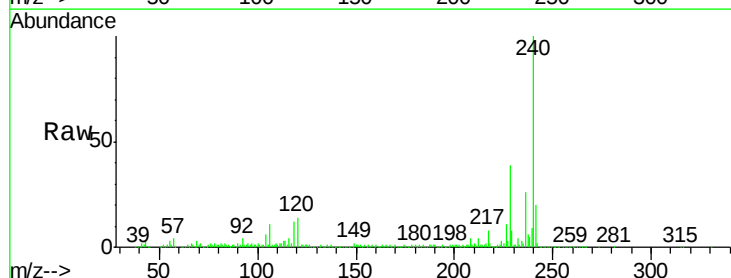
Tgt Ion:240 Resp: 480192

Ion Ratio Lower Upper

240 100

120 14.3 10.9 16.3

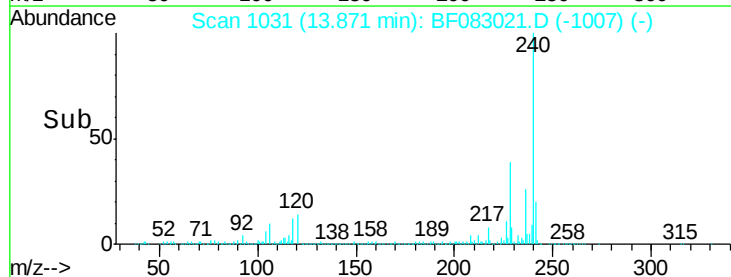
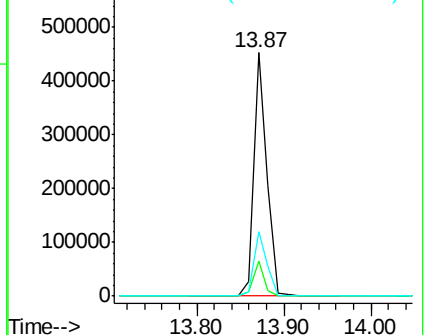
236 26.5 21.6 32.4

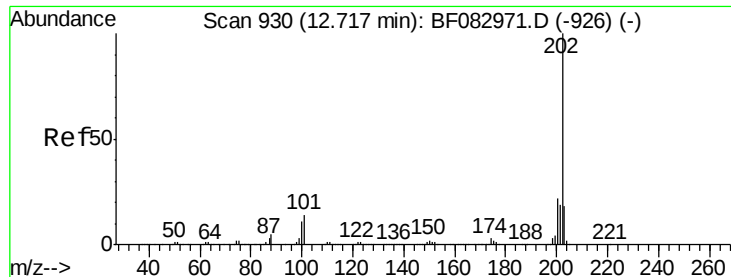


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

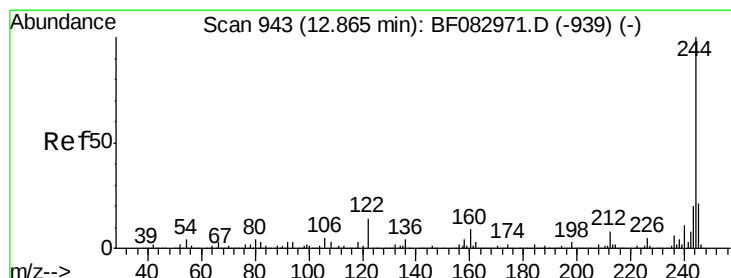
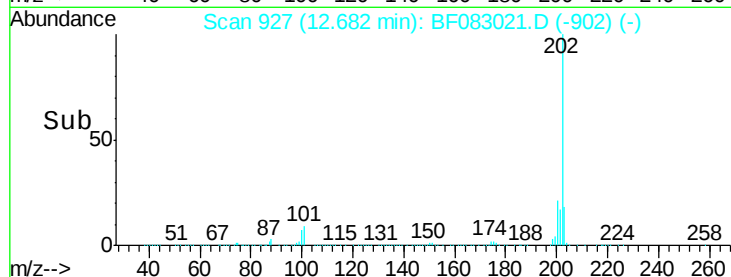
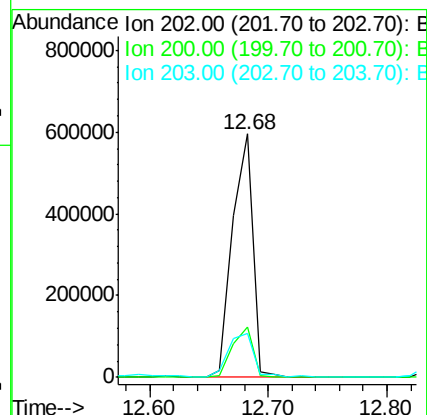
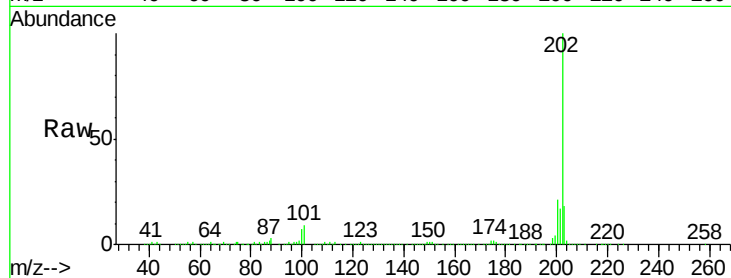




#77
Pvrene
Concen: 21.32 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

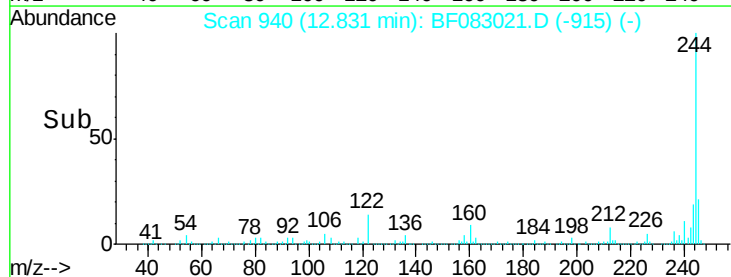
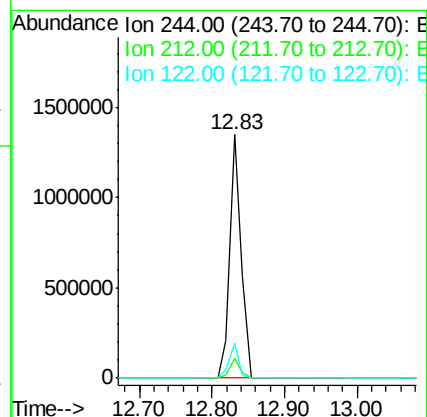
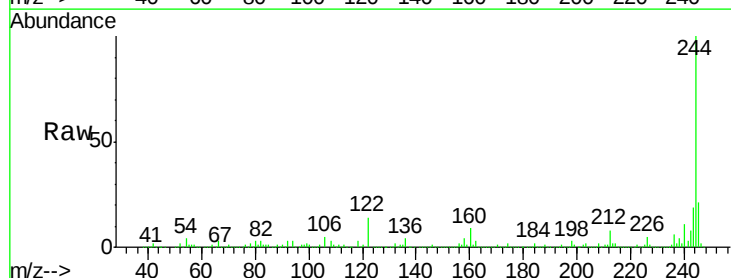
Instrument :
BNA_F
ClientSampleId :

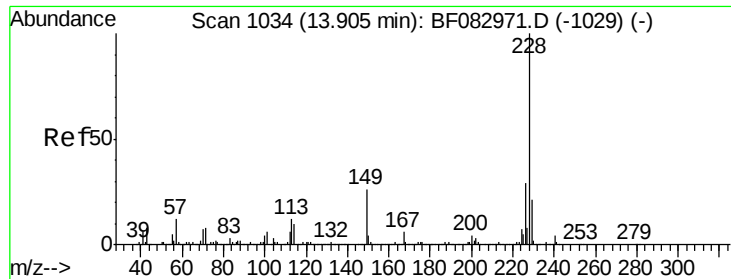
Tot Ion:202 Resp: 703038
Ion Ratio Lower Upper
202 100
200 20.8 18.7 28.1
203 18.1 14.8 22.2



#78
Terphenyl-d14
Concen: 72.42 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion:244 Resp: 1466263
Ion Ratio Lower Upper
244 100
212 8.2 7.6 11.4
122 14.3 11.3 16.9

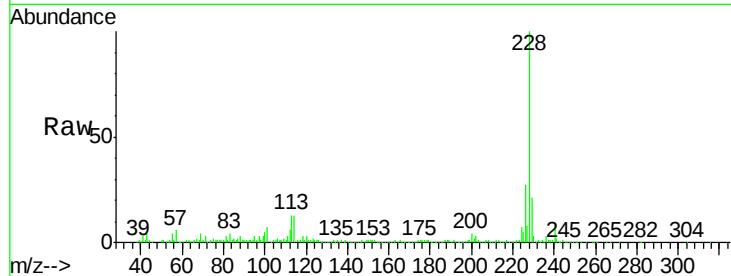




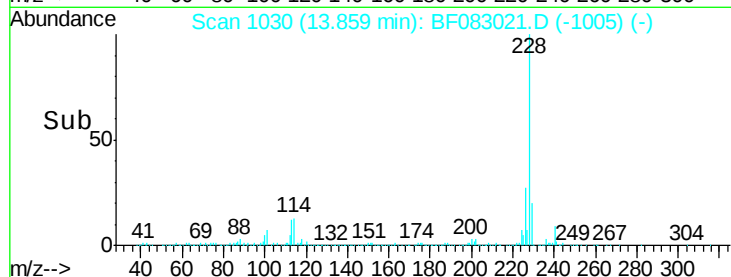
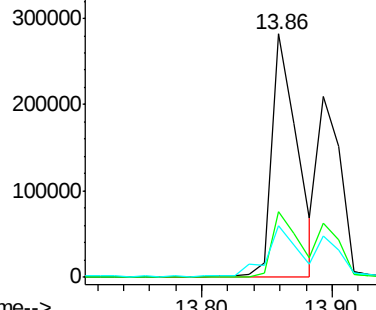
#80
Benzo(a)anthracene
Concen: 12.56 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :

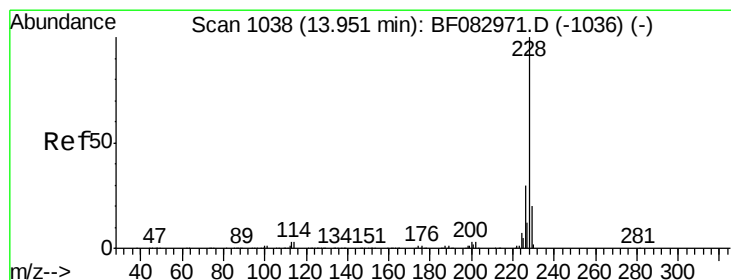
Tot Ion:228 Resp: 377182
Ion Ratio Lower Upper
228 100
226 27.2 23.4 35.2
229 21.0 16.3 24.5



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

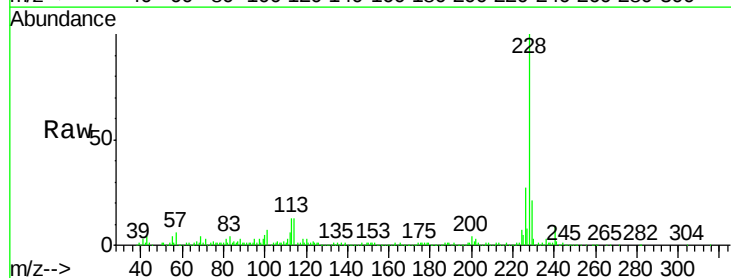


Time-->

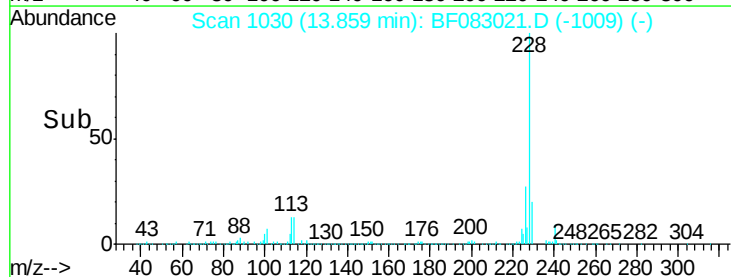
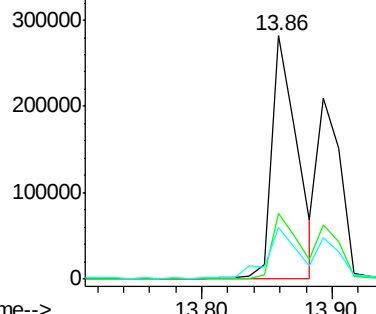


#82
Chrysene
Concen: 13.71 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

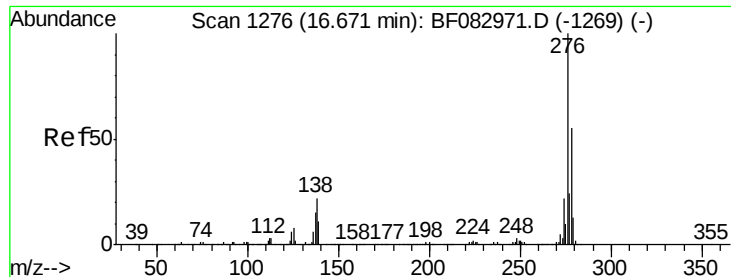
Tgt Ion:228 Resp: 377182
Ion Ratio Lower Upper
228 100
226 27.2 25.5 38.3
229 21.0 16.3 24.5



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



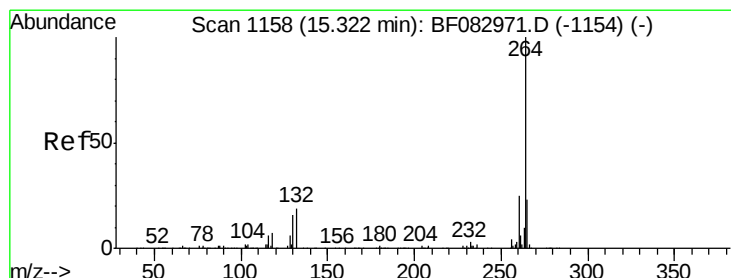
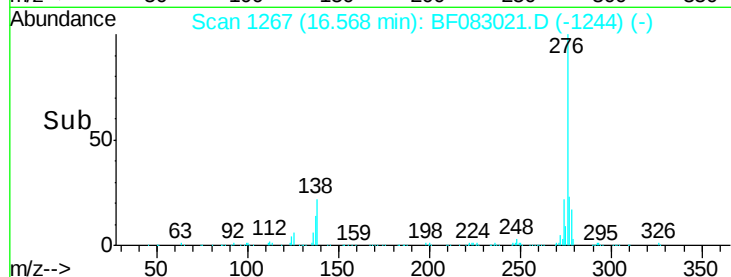
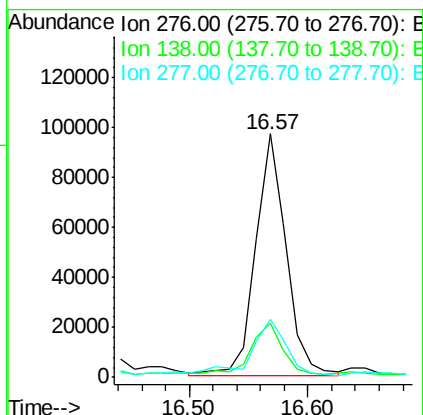
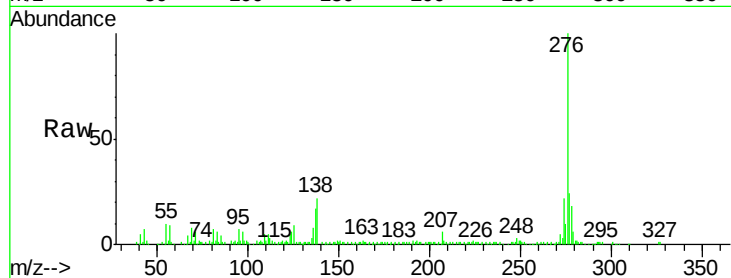
Time-->



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.32 ng
RT: 16.57 min Scan# 1267
Delta R.T. -0.03 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

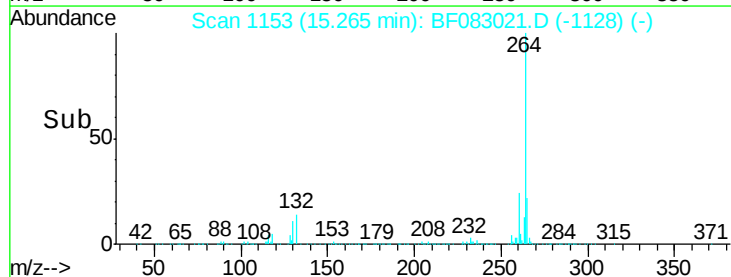
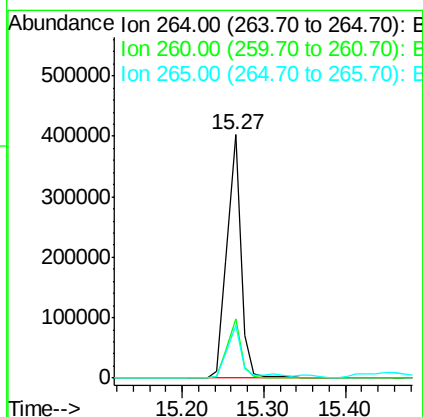
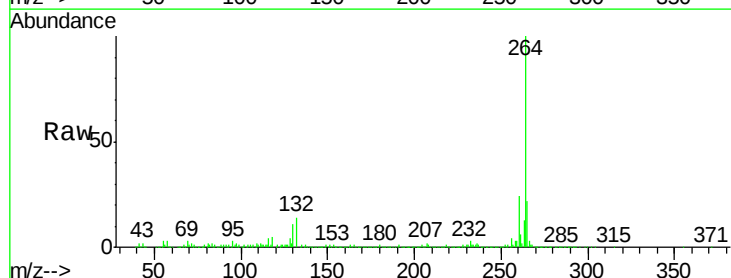
Instrument :
BNA_F
ClientSampleId :

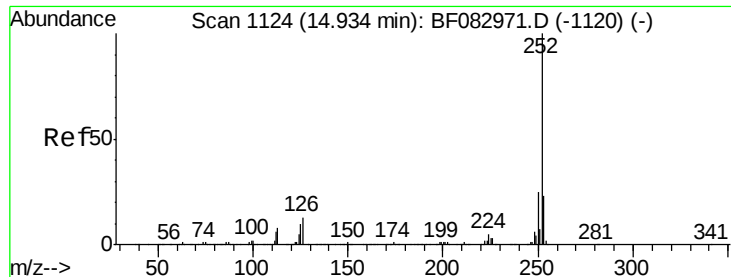
Tot Ion:276 Resp: 173435
Ion Ratio Lower Upper
276 100
138 23.4 15.3 22.9#
277 27.3 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion:264 Resp: 477793
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.6
265 21.8 17.4 26.0

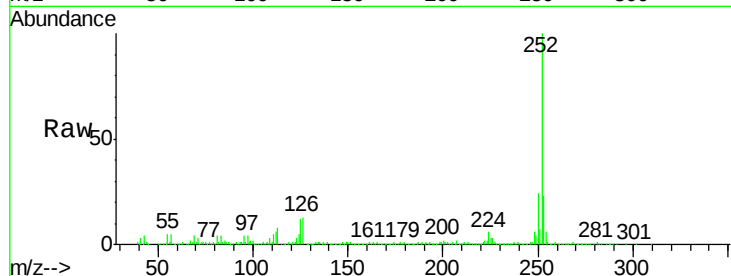




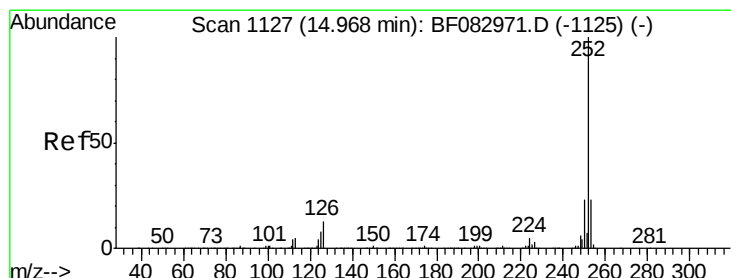
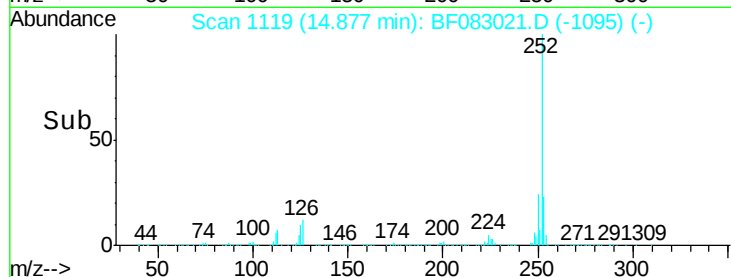
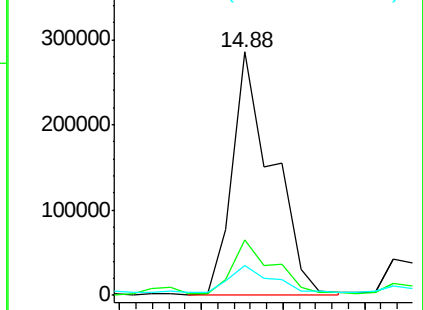
#87
Benzo(b)fluoranthene
Concen: 15.66 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.0	5.4	8.2#

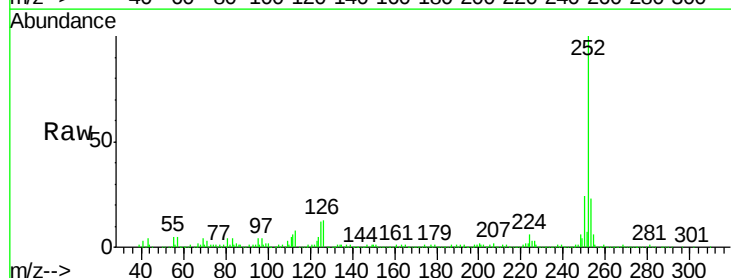


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

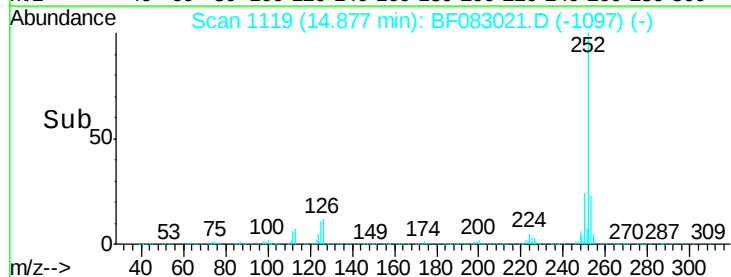
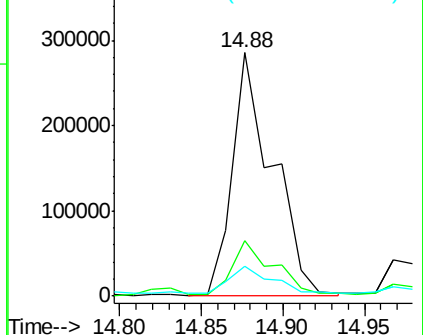


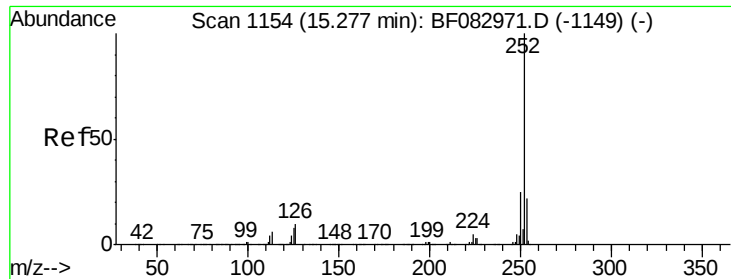
#88
Benzo(k)fluoranthene
Concen: 17.65 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.0	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

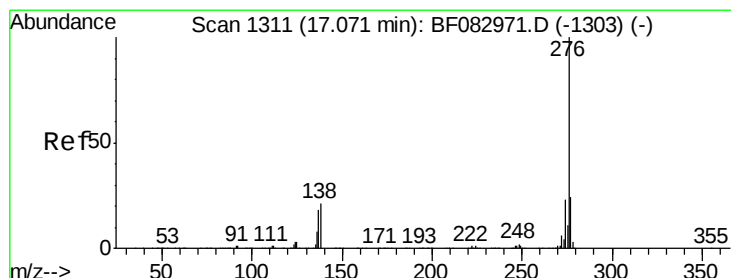
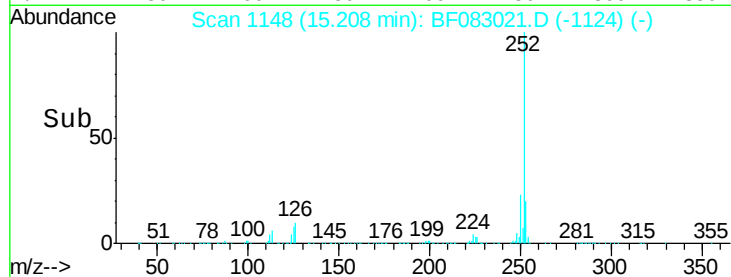
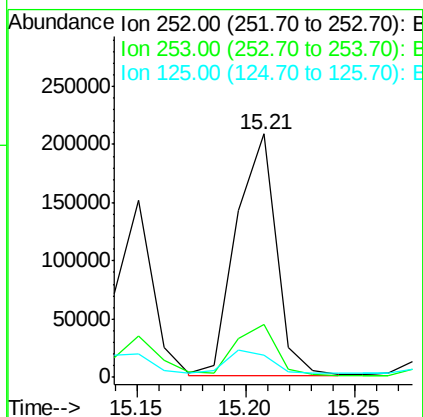
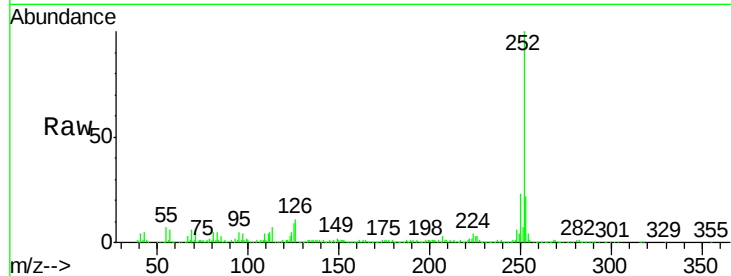




#89
Benzo(a)pyrene
Concen: 10.07 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	9.3	7.1	10.7



#91
Benzo(g,h,i)perylene
Concen: 7.07 ng
RT: 16.96 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF083021.D
Acq: 18 Nov 2015 21:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	23.2	13.1	19.7

