

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083028.D
 Acq On : 19 Nov 2015 00:51
 Operator : UM/IZ
 Sample : G4440-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 01:53:35 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	6.89	152	90266	20.00	ng	0.15
21) Naphthalene-d8	8.02	136	491127	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	221776	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	337947	20.00	ng	0.00
75) Chrysene-d12	13.88	240	285141	20.00	ng	-0.01
86) Perylene-d12	15.28	264	243666	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	179990	31.03	ng	-0.01
7) Phenol-d6	6.38	99	233844	30.32	ng	-0.01
23) Nitrobenzene-d5	7.29	82	139605	12.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	36963	14.54	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	250919	16.22	ng	-0.01
78) Terphenyl-d14	12.83	244	183520	15.27	ng	-0.01

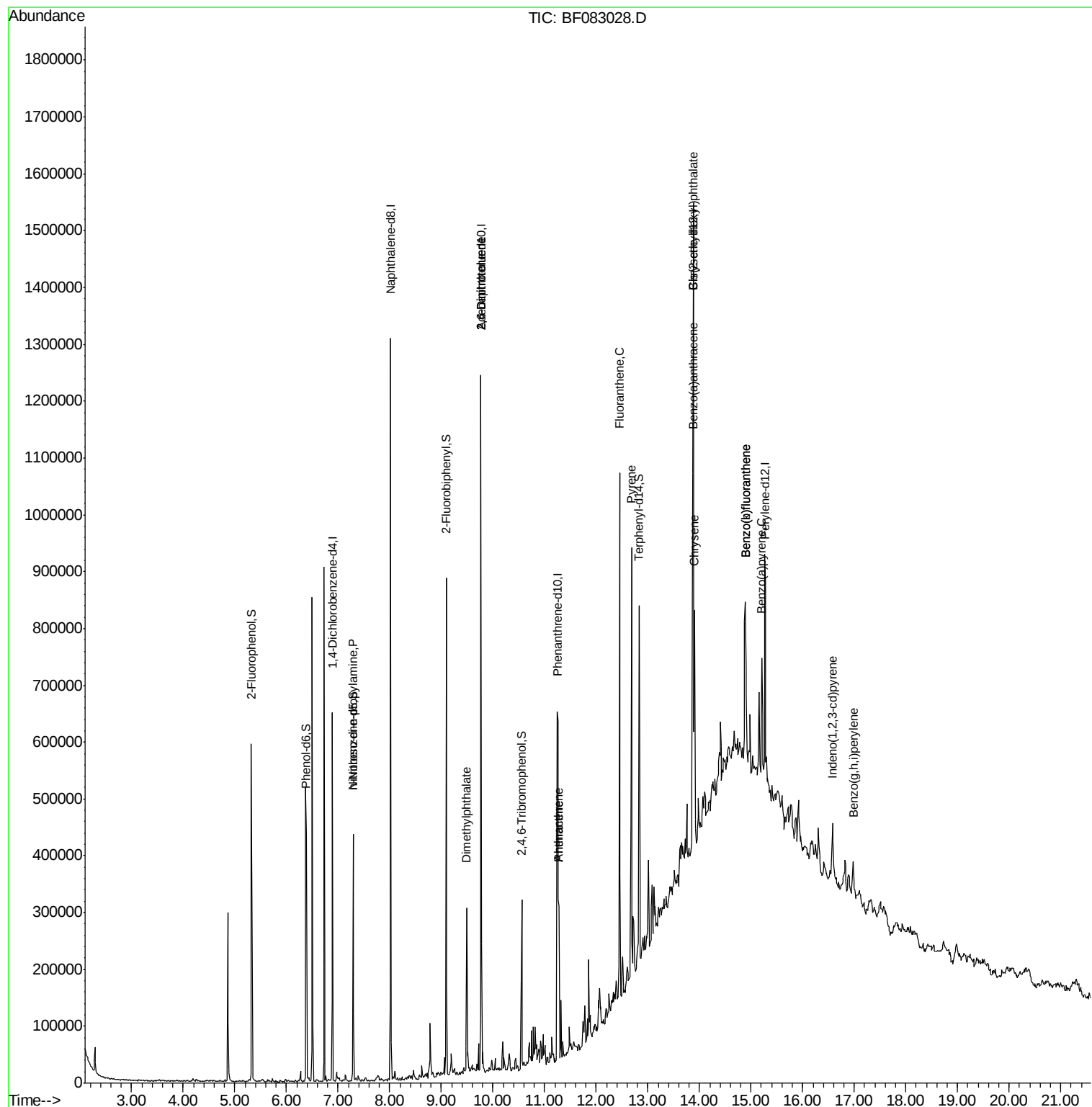
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	18689	3.30	ng	# 73
49) Dimethylphthalate	9.49	163	97325	5.36	ng	97
50) 2,6-Dinitrotoluene	9.77	165	29117	7.51	ng	# 17
56) 2,4-Dinitrotoluene	9.77	165	29325	5.57	ng	# 15
70) Phenanthrene	11.28	178	161603	8.23	ng	95
71) Anthracene	11.28	178	161603	7.82	ng	95
74) Fluoranthene	12.45	202	364567	17.31	ng	98
77) Pyrene	12.68	202	303446	15.50	ng	97
80) Benzo(a)anthracene	13.87	228	135663	7.61	ng	100
82) Chrysene	13.91	228	161265	9.87	ng	98
83) Bis(2-ethylhexyl)phthalate	13.88	149	89524	7.56	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	61294	4.36	ng	95
87) Benzo(b)fluoranthene	14.89	252	223434	14.29	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	223207	16.09	ng	# 96
89) Benzo(a)pyrene	15.21	252	104040	7.68	ng	# 92
91) Benzo(g,h,i)perylene	16.98	276	57287	5.21	ng	97

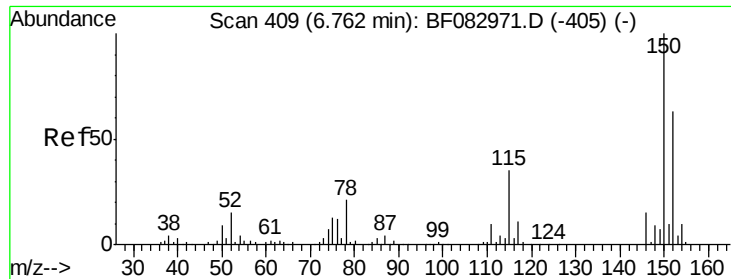
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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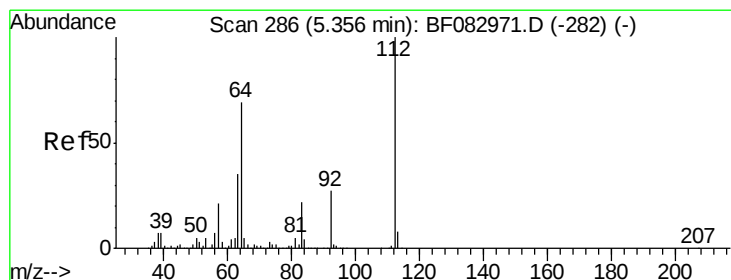
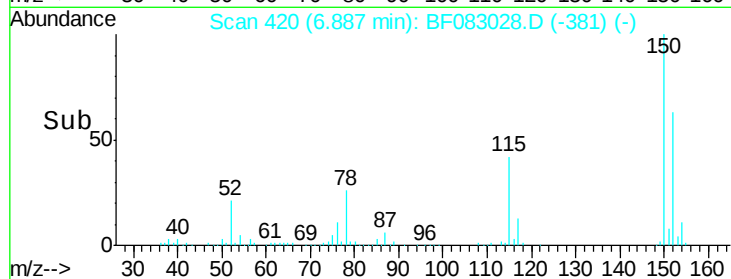
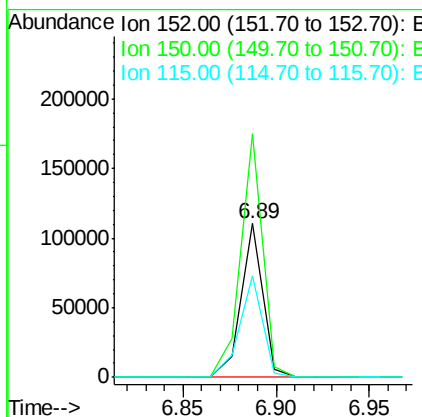
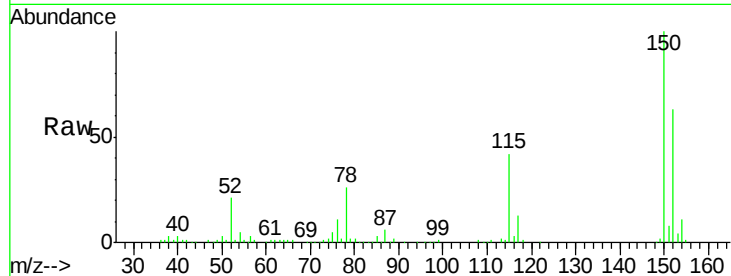


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. 0.15 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Instrument :
BNA_F
ClientSampleId :

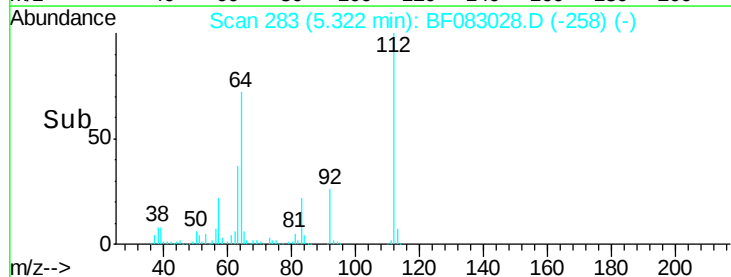
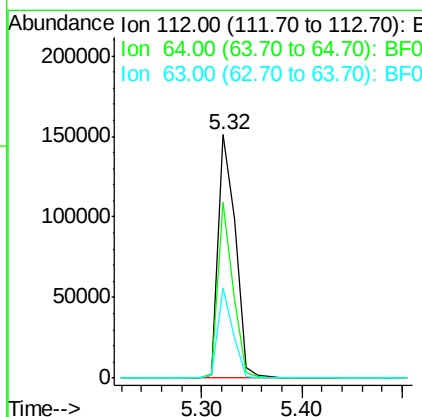
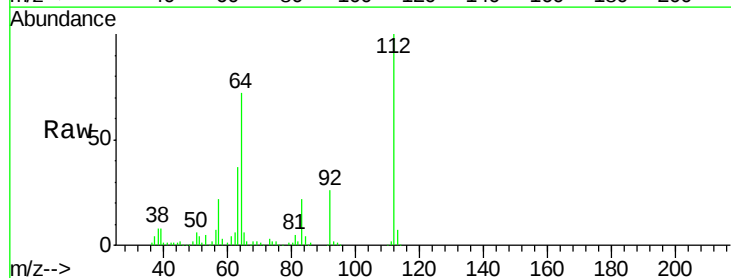
Tot Ion:152 Resp: 90266
Ion Ratio Lower Upper
152 100
150 158.1 127.0 190.4
115 66.0 47.0 70.6

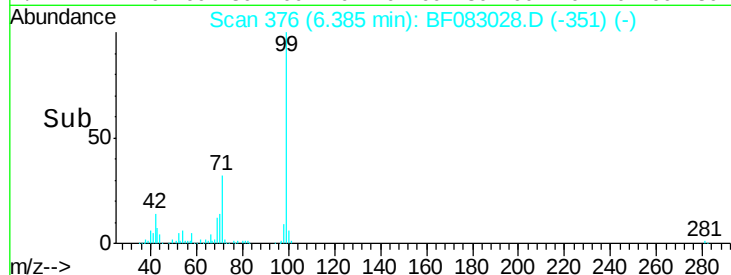
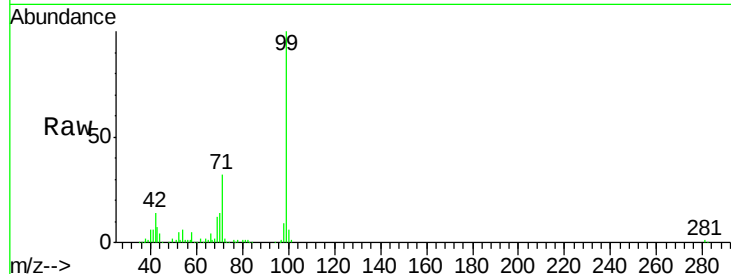
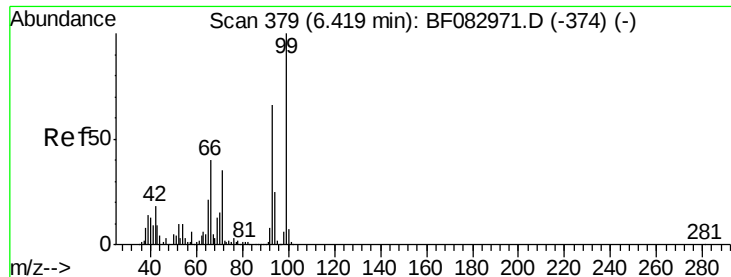


#5

2-Fluorophenol
Concen: 31.03 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion:112 Resp: 179990
Ion Ratio Lower Upper
112 100
64 72.2 48.9 73.3
63 36.9 28.1 42.1





#7

Phenol-d6

Concen: 30.32 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

ClientSampleId :

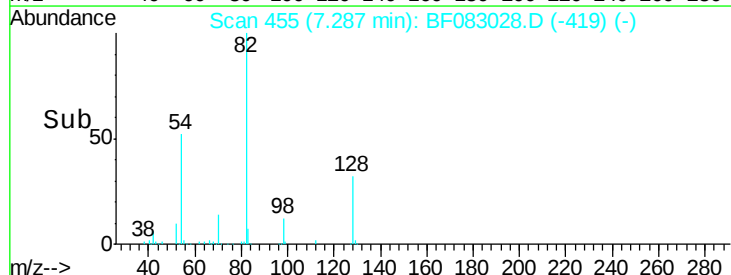
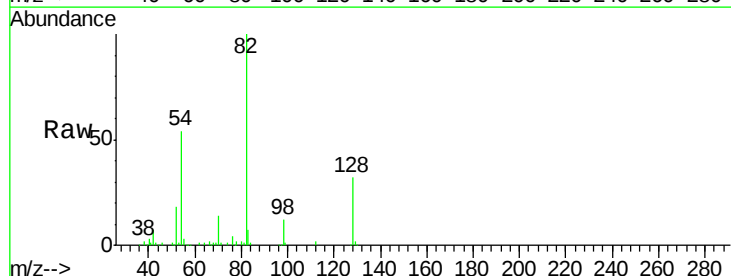
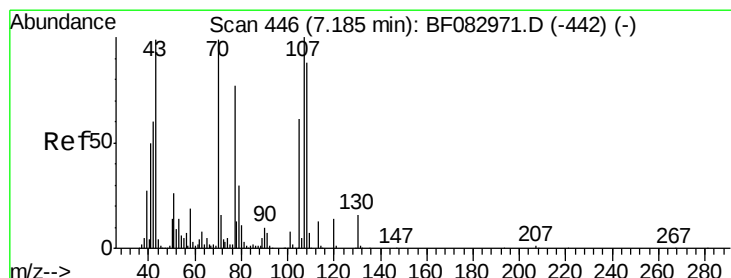
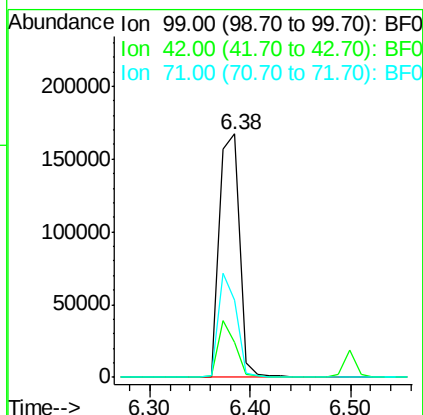
Tot Ion: 99 Resp: 233844

Ion Ratio Lower Upper

99 100

42 14.2 19.2 28.8#

71 32.0 35.0 52.4#



#19

n-Nitroso-di-n-propylamine

Concen: 3.30 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.11 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Tgt Ion: 70 Resp: 18689

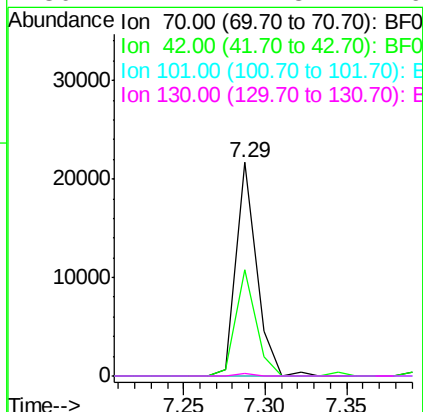
Ion Ratio Lower Upper

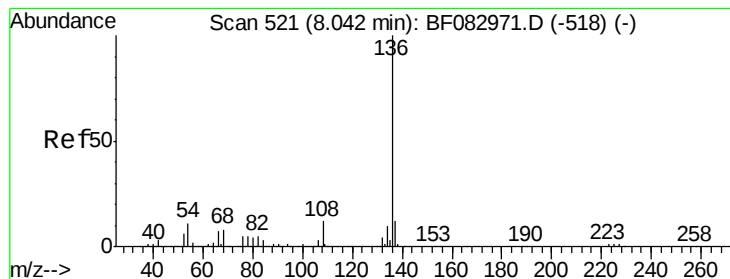
70 100

42 49.7 57.7 86.5#

101 0.0 7.0 10.6#

130 1.4 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: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 491127

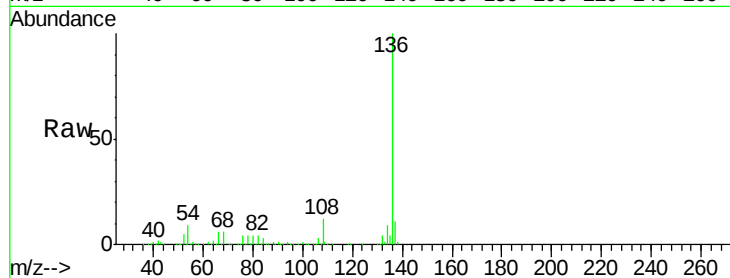
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 8.8 9.1 13.7#

68 5.7 4.8 7.2

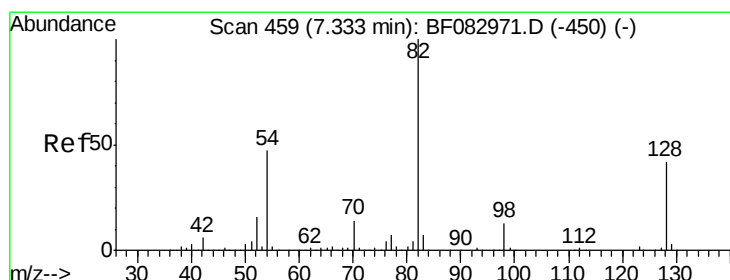
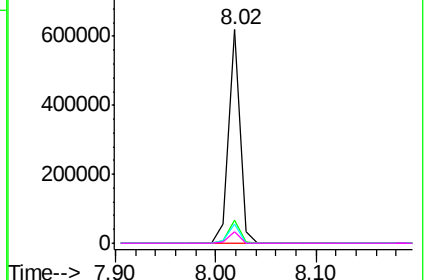
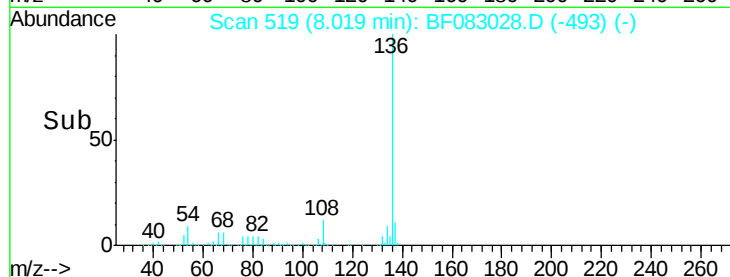


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.37 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

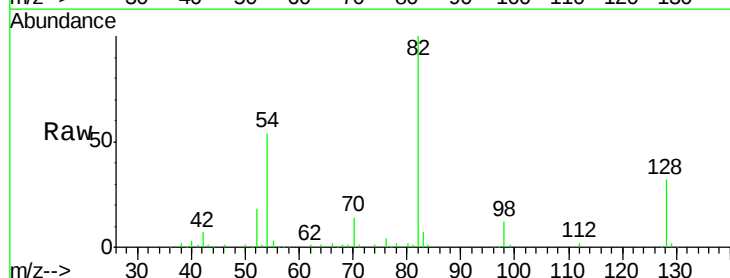
Tgt Ion: 82 Resp: 139605

Ion Ratio Lower Upper

82 100

128 31.7 26.8 40.2

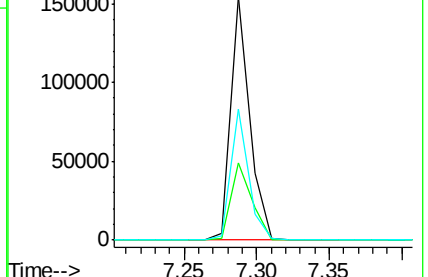
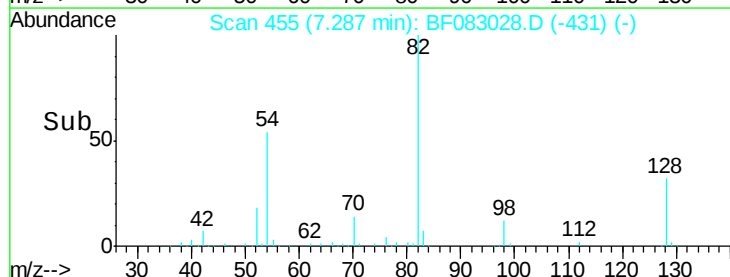
54 53.8 45.7 68.5

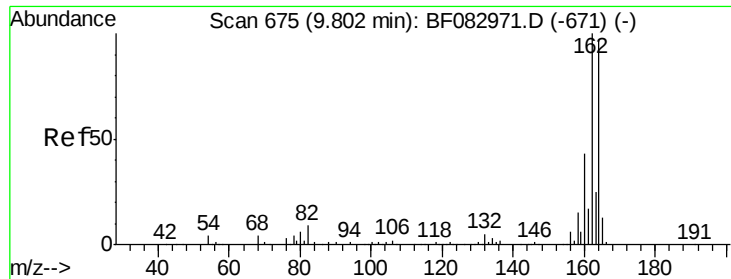


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

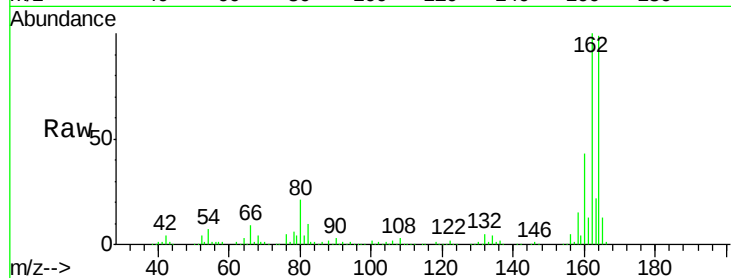




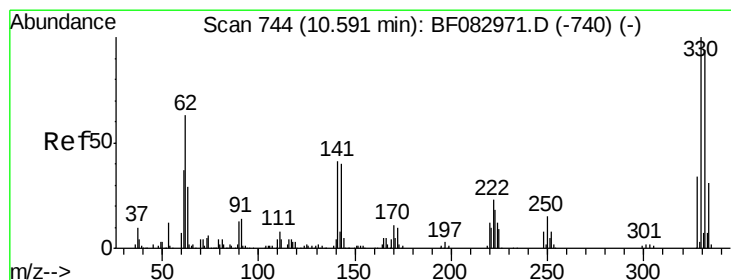
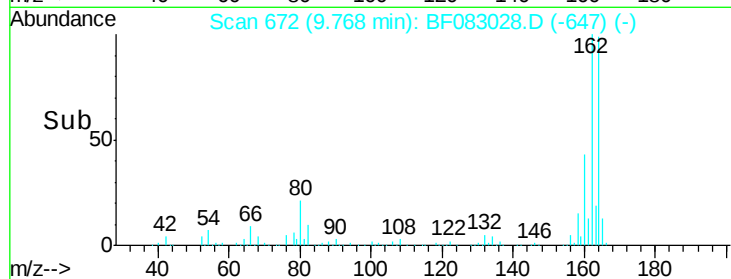
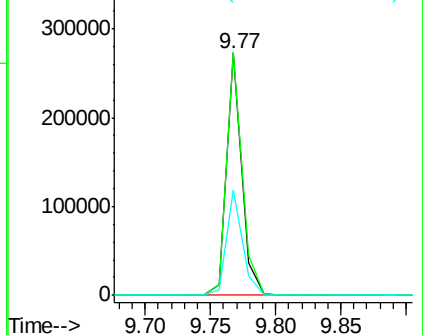
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	84.9	127.3
160	43.5	37.5	56.3

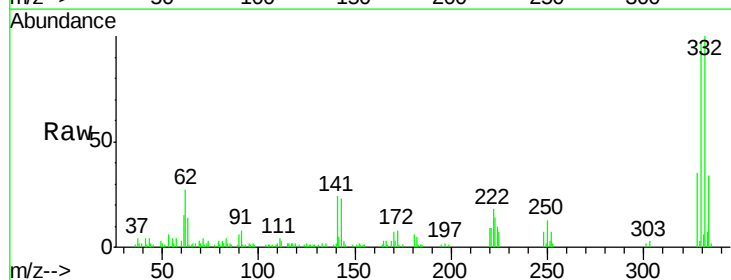


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

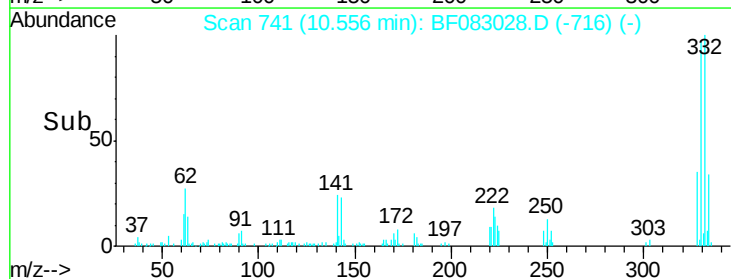
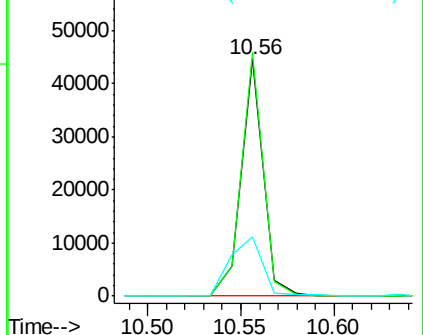


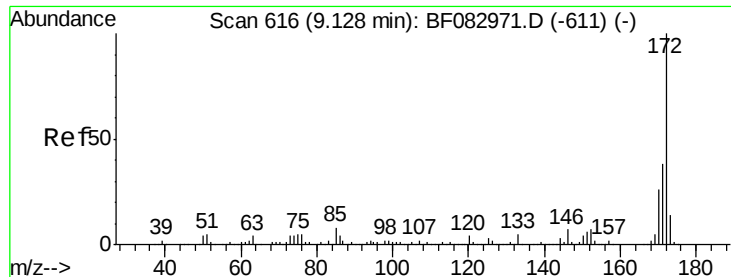
#41
 2,4,6-Tribromophenol
 Concen: 14.54 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.3	76.6	114.8
141	37.4	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

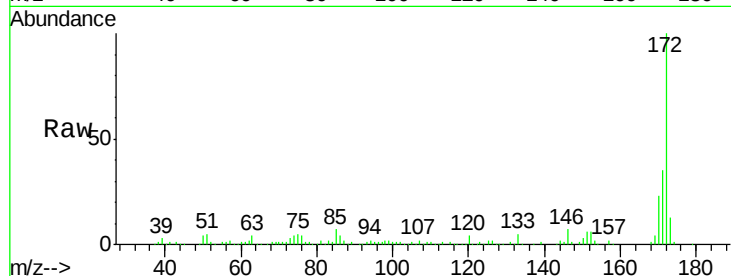




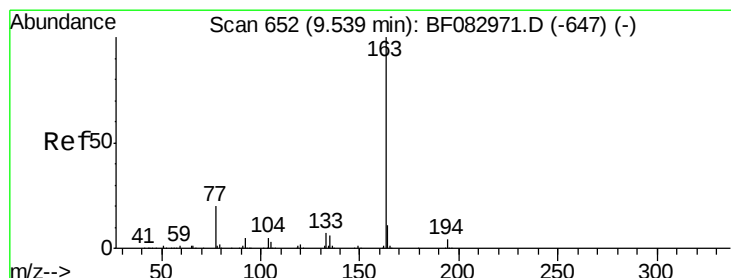
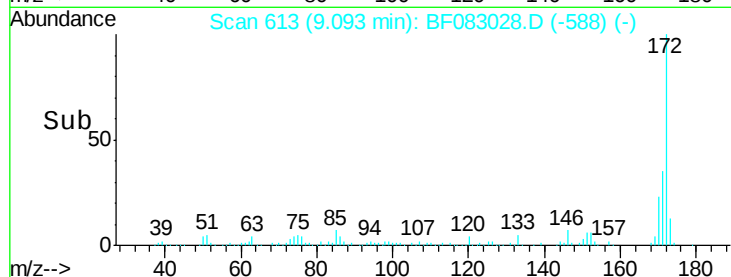
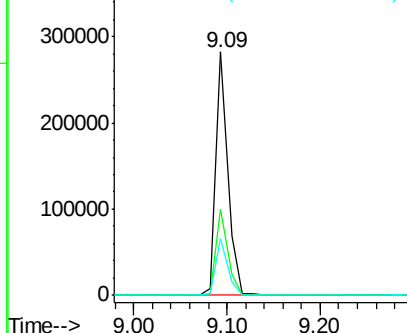
#44
2-Fluorobiphenyl
Concen: 16.22 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 250919
Ion Ratio Lower Upper
172 100
171 35.3 30.8 46.2
170 23.5 21.2 31.8

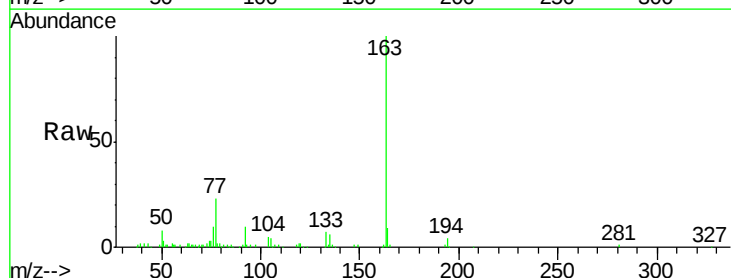


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

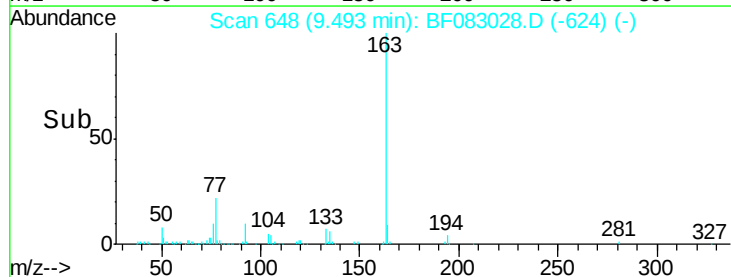
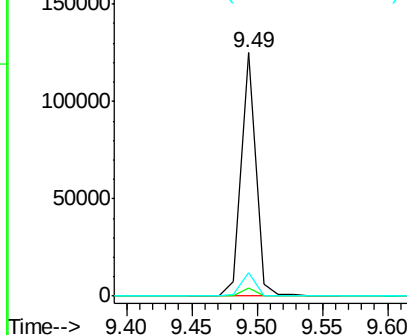


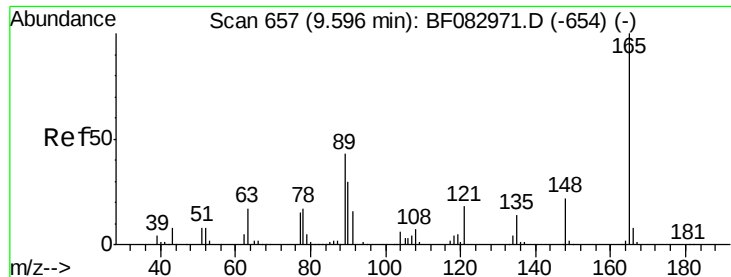
#49
Dimethylphthalate
Concen: 5.36 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion:163 Resp: 97325
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.4 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





#50

2,6-Dinitrotoluene

Concen: 7.51 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.19 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

ClientSampled :

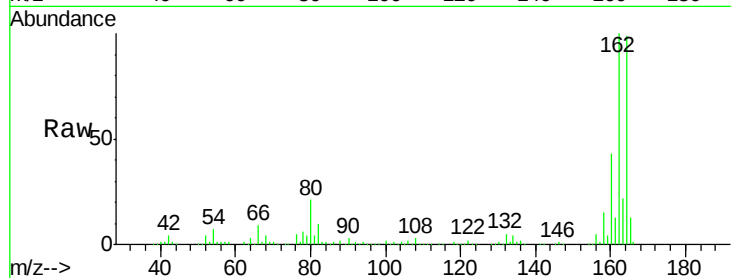
Tot Ion:165 Resp: 29117

Ion Ratio Lower Upper

165 100

63 1.3 55.5 83.3#

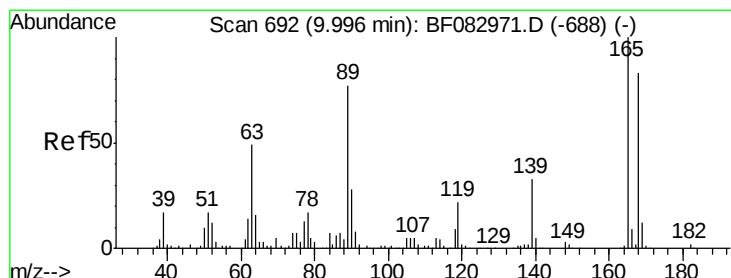
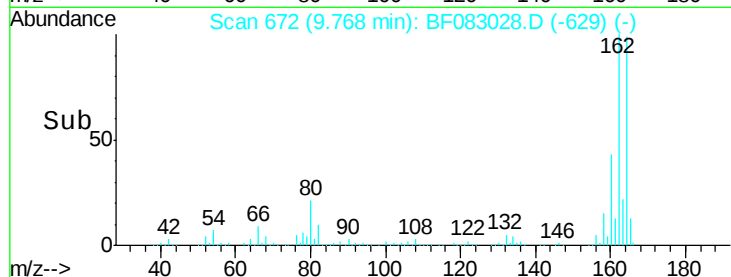
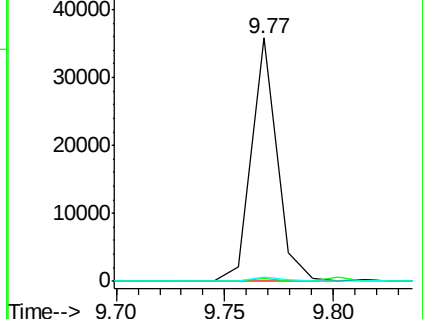
89 1.7 55.0 82.6#



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



#56

2,4-Dinitrotoluene

Concen: 5.57 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.21 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Tgt Ion:165 Resp: 29325

Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.0#

89 1.7 70.6 106.0#

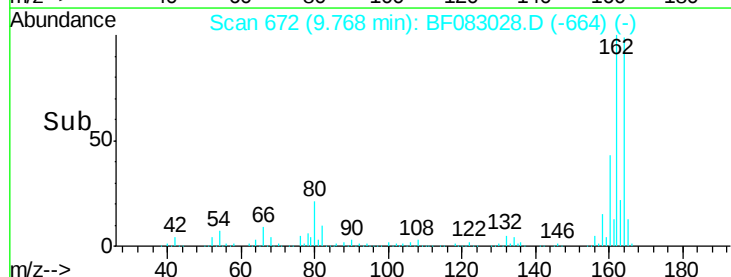
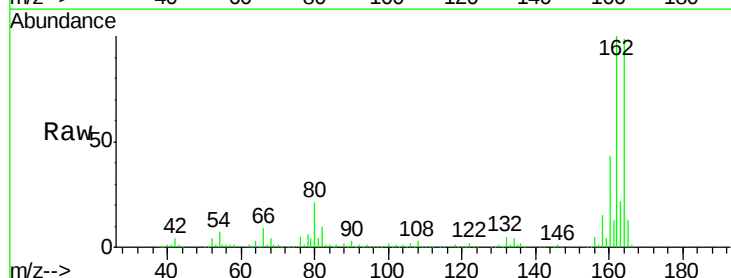
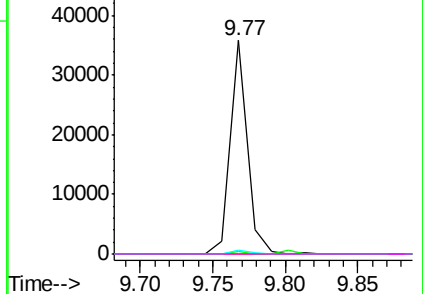
182 0.0 1.5 2.3#

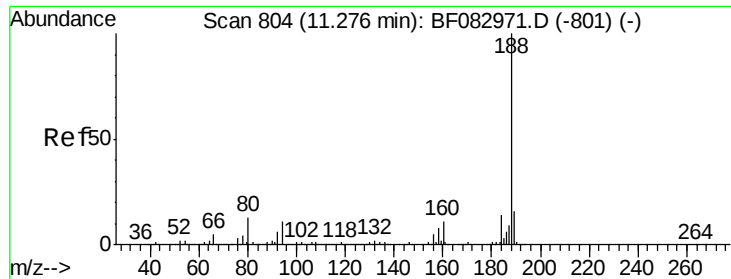
Abundance Ion 165.00 (164.70 to 165.70): E

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

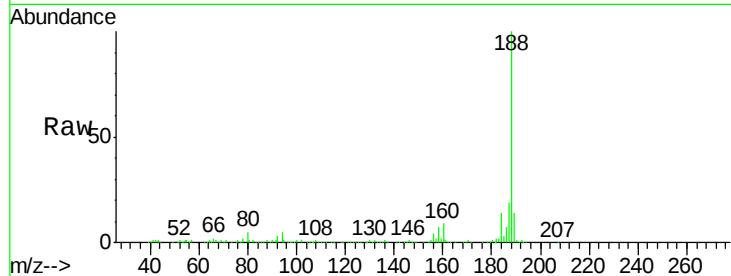




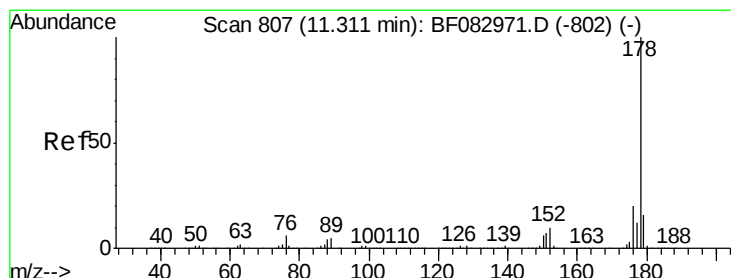
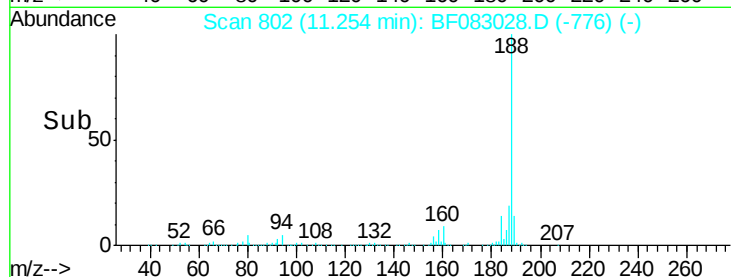
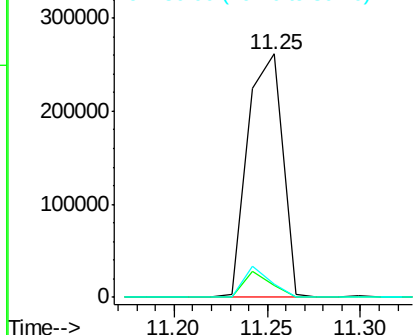
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 337947
Ion Ratio Lower Upper
188 100
94 4.8 6.1 9.1#
80 5.3 7.0 10.6#

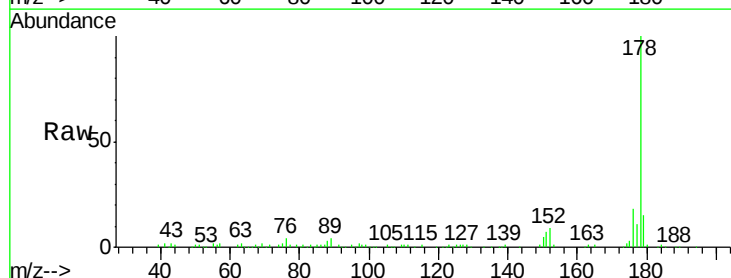


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

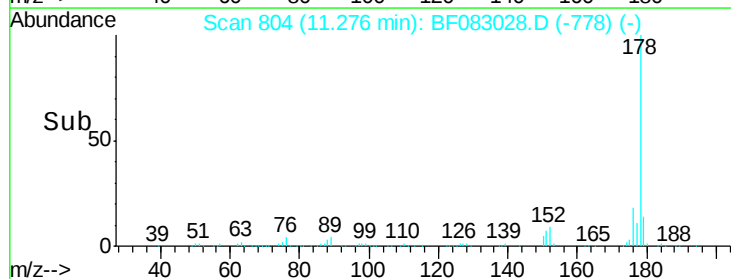
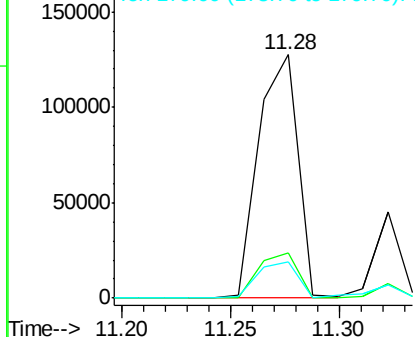


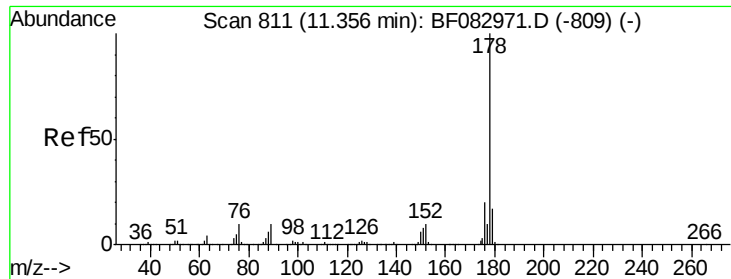
#70
Phenanthrene
Concen: 8.23 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion:178 Resp: 161603
Ion Ratio Lower Upper
178 100
176 18.3 17.0 25.4
179 14.8 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

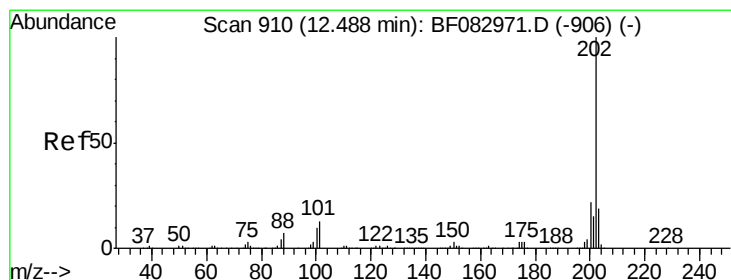
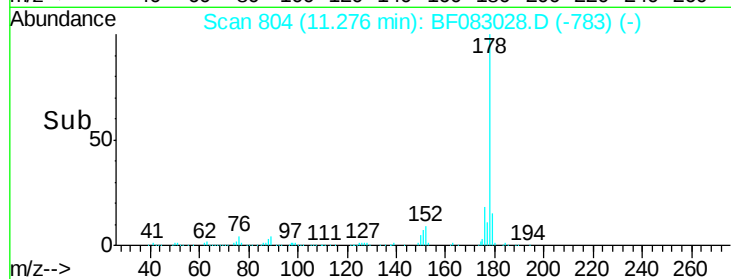
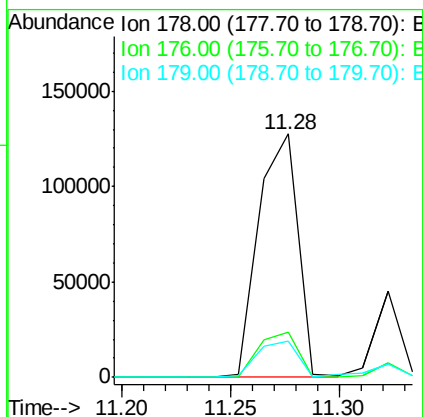
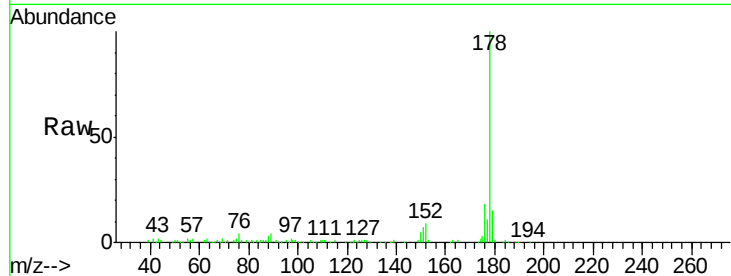




#71
 Anthracene
 Concen: 7.82 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.06 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

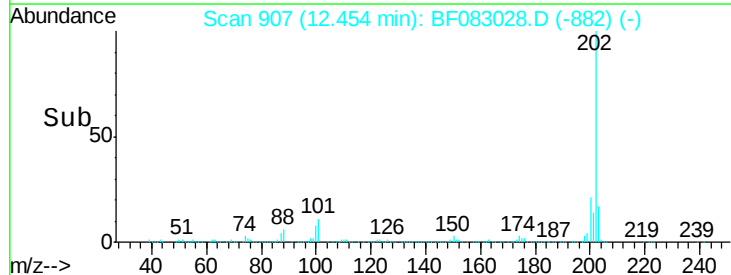
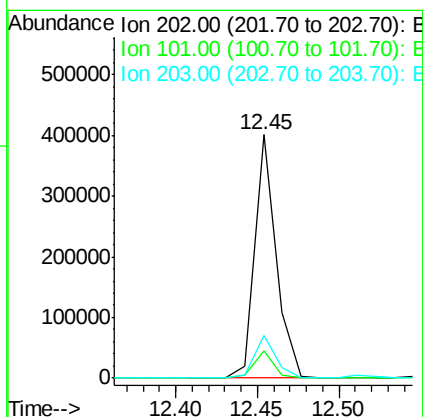
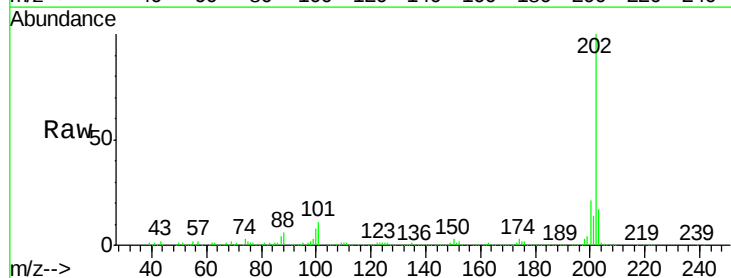
Instrument :
 BNA_F
 ClientSampleId :

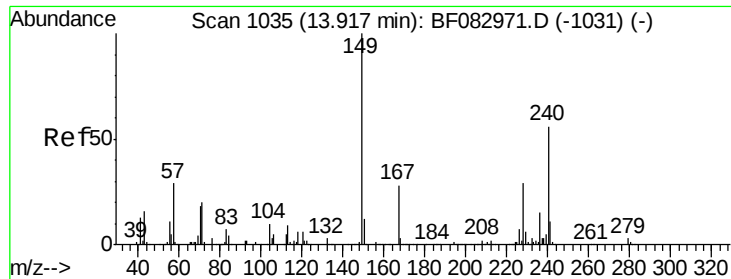
Tot Ion:178 Resp: 161603
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.5 24.7
 179 14.8 13.2 19.8



#74
 Fluoranthene
 Concen: 17.31 ng
 RT: 12.45 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Tgt Ion:202 Resp: 364567
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.5
 203 17.4 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

ClientSampleId :

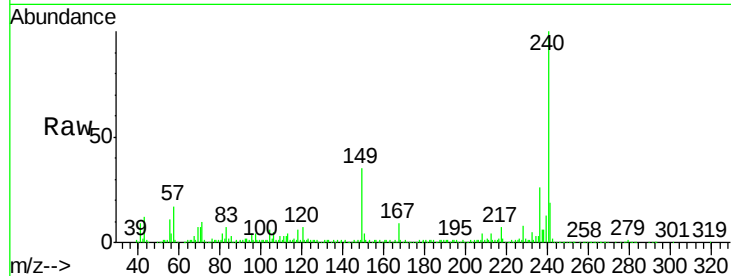
Tot Ion:240 Resp: 285141

Ion Ratio Lower Upper

240 100

120 6.8 10.9 16.3#

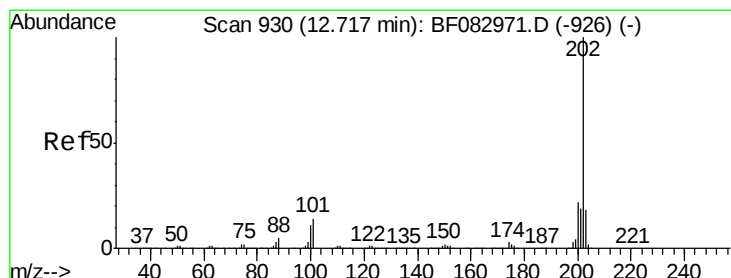
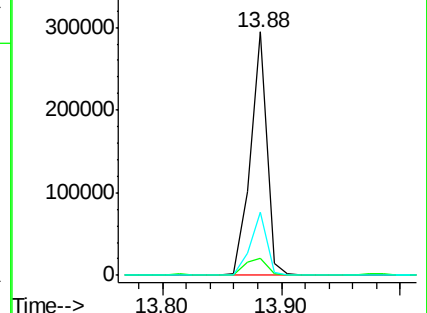
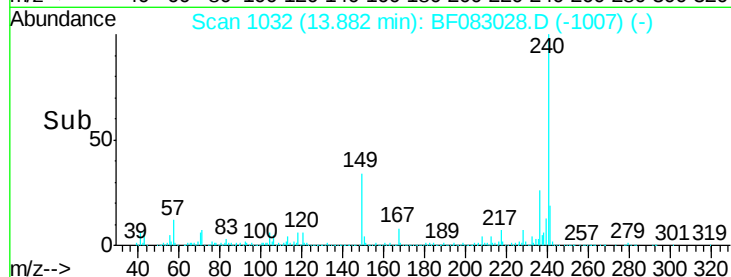
236 25.7 21.6 32.4



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: 15.50 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

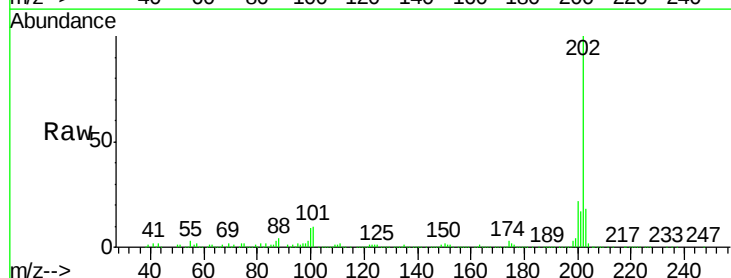
Tgt Ion:202 Resp: 303446

Ion Ratio Lower Upper

202 100

200 21.6 18.7 28.1

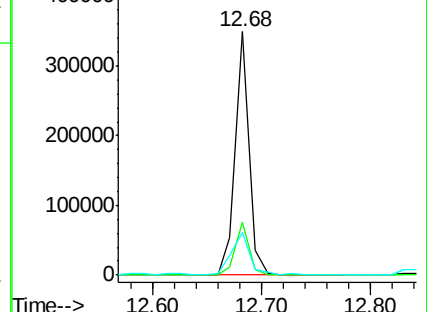
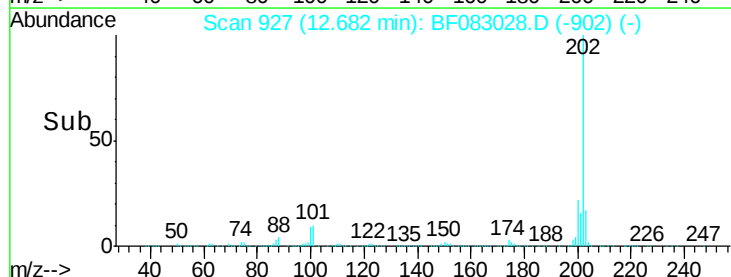
203 17.7 14.8 22.2

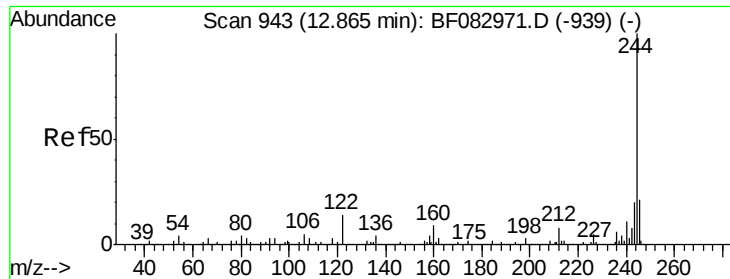


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.27 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

ClientSampleId :

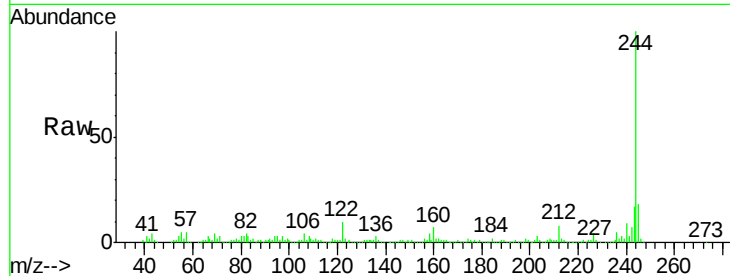
Tot Ion:244 Resp: 183520

Ion Ratio Lower Upper

244 100

212 7.6 7.6 11.4#

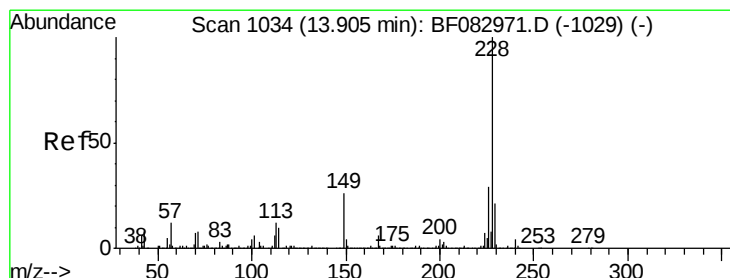
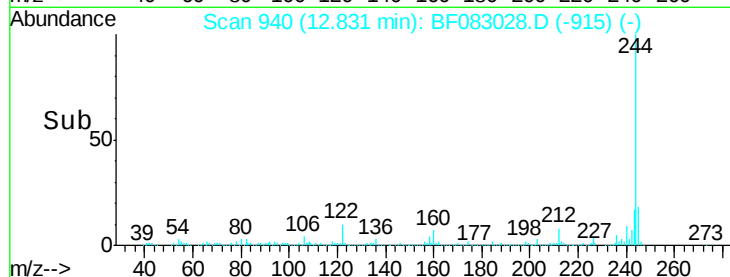
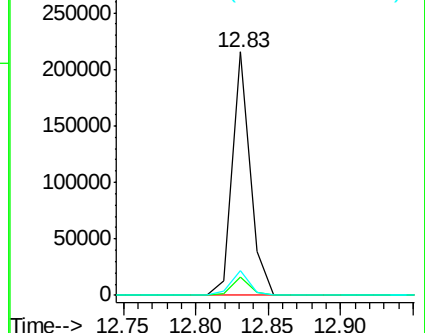
122 10.2 11.3 16.9#



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: 7.61 ng

RT: 13.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

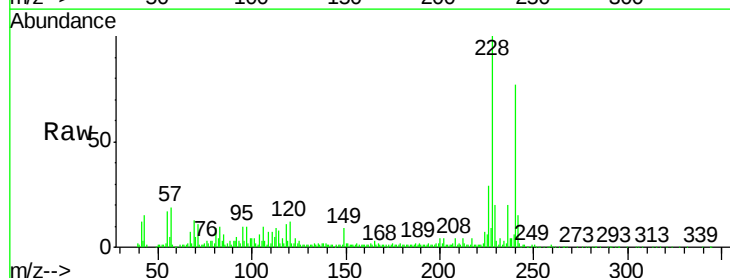
Tgt Ion:228 Resp: 135663

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

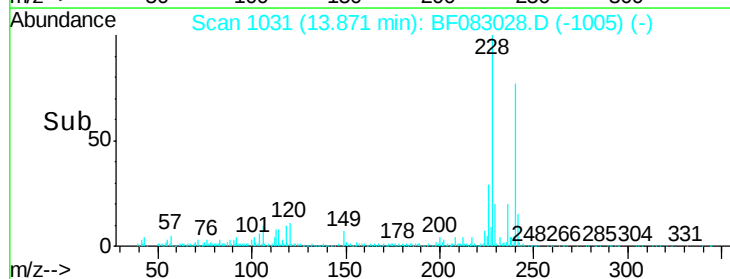
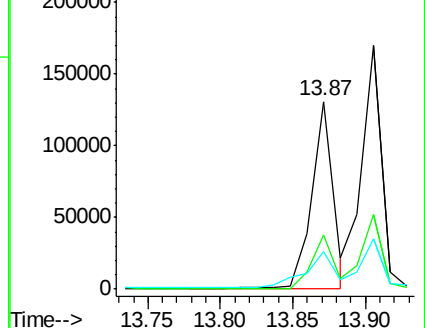
229 20.2 16.3 24.5

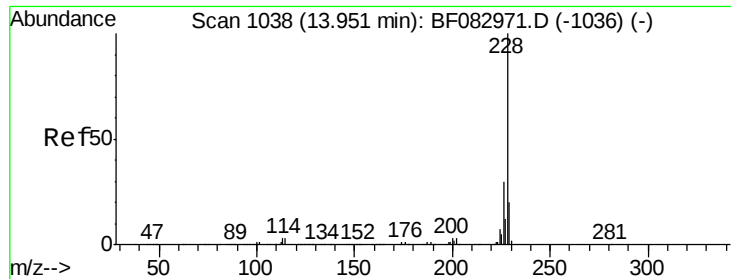


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

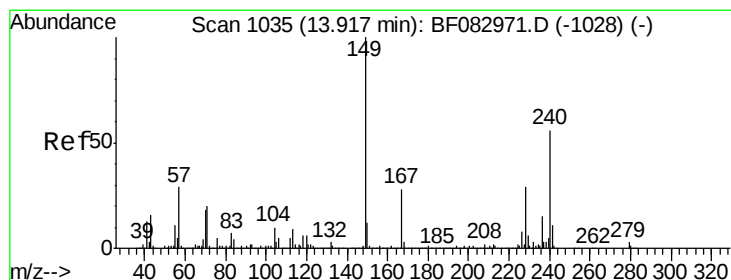
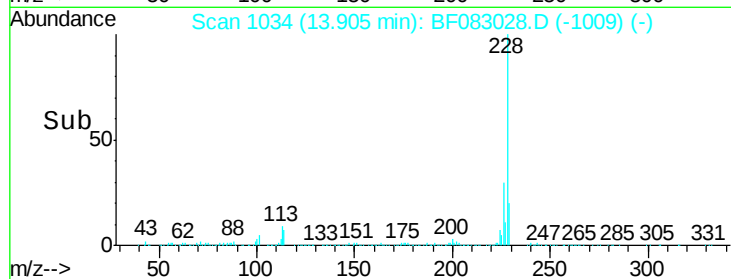
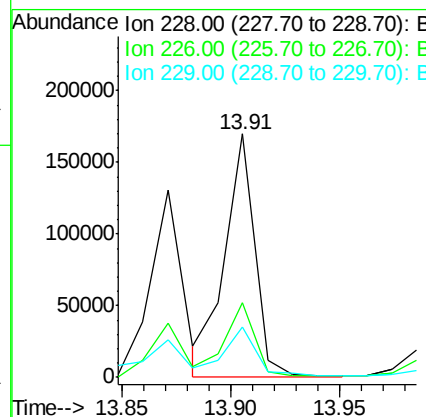
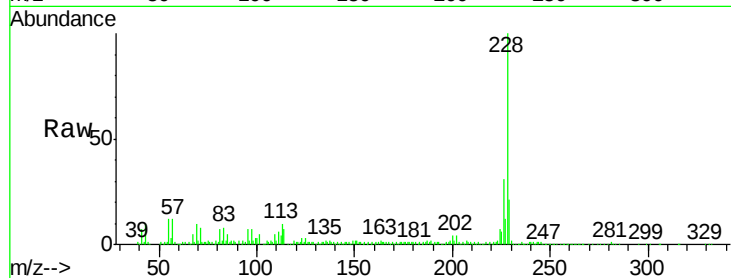




#82
 Chrysene
 Concen: 9.87 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

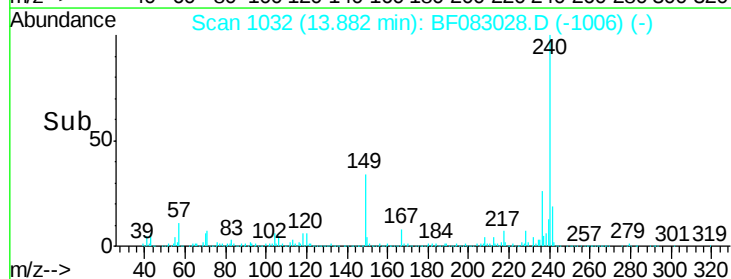
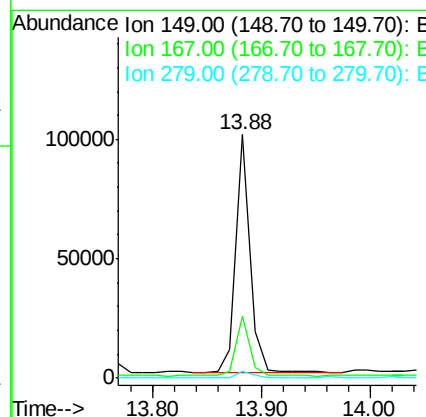
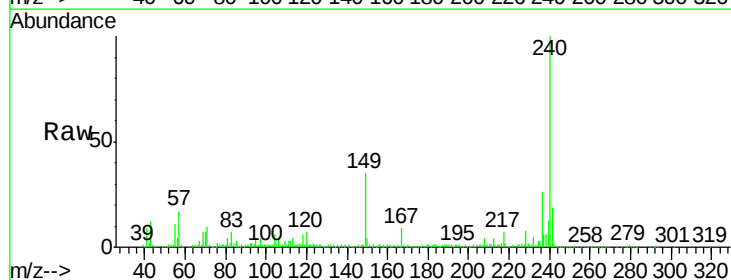
Instrument :
 BNA_F
 ClientSampleId :

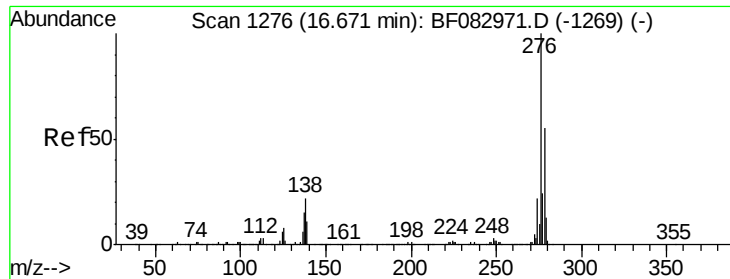
Tot Ion:228 Resp: 161265
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.5 38.3
 229 20.8 16.3 24.5



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.56 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Tgt Ion:149 Resp: 89524
 Ion Ratio Lower Upper
 149 100
 167 25.5 21.2 31.8
 279 2.6 2.2 3.2

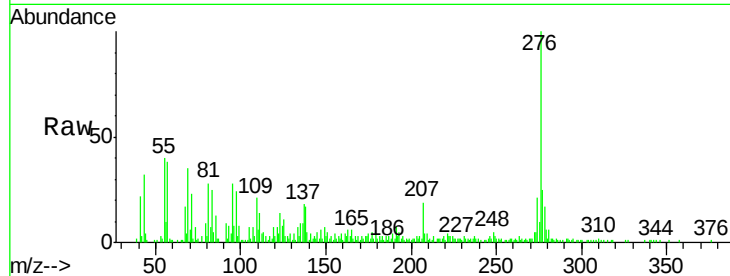




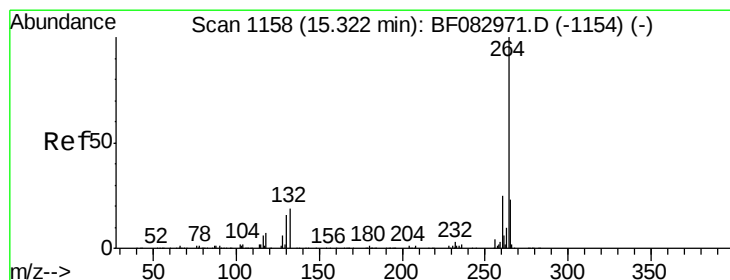
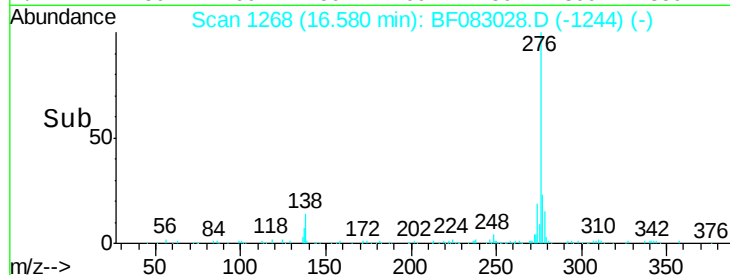
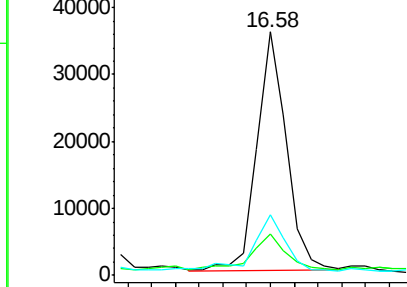
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.36 ng
 RT: 16.58 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 61294
 Ion Ratio Lower Upper
 276 100
 138 18.4 15.3 22.9
 277 29.1 20.2 30.4

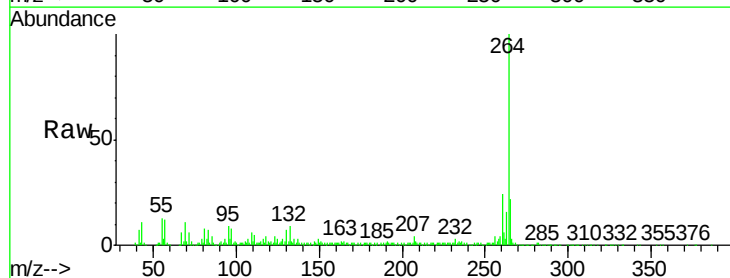


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

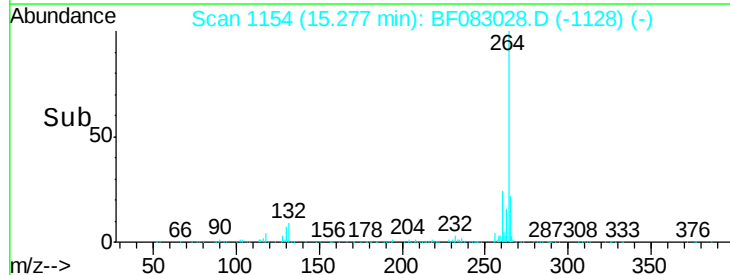
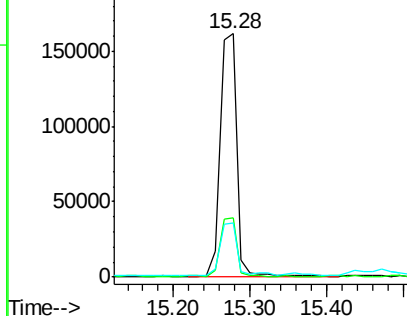


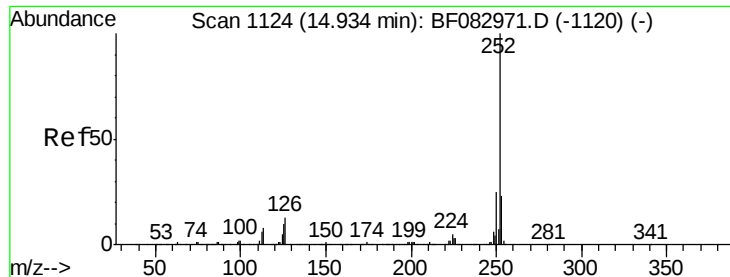
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF083028.D
 Acq: 19 Nov 2015 00:51

Tgt Ion:264 Resp: 243666
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.6
 265 22.3 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

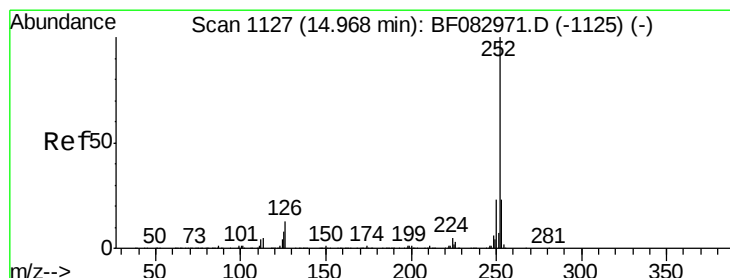
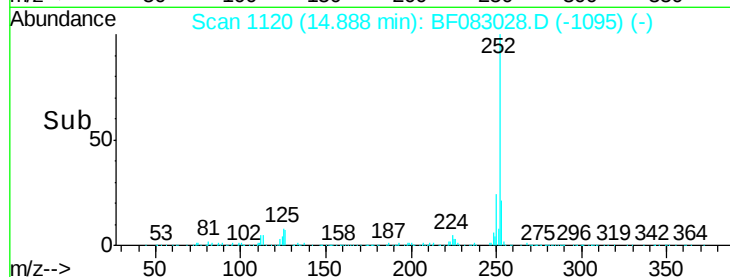
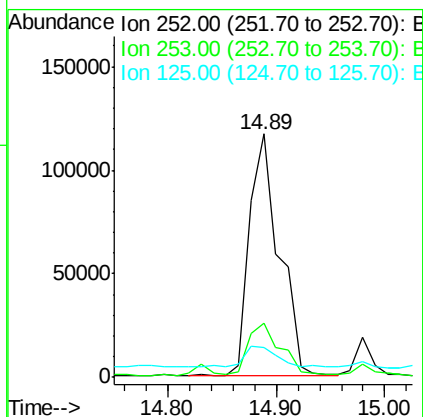
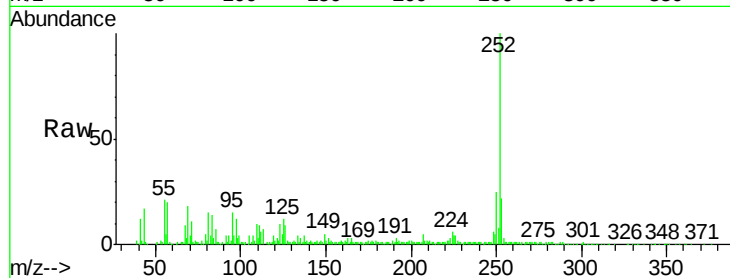




#87
Benzo(b)fluoranthene
Concen: 14.29 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

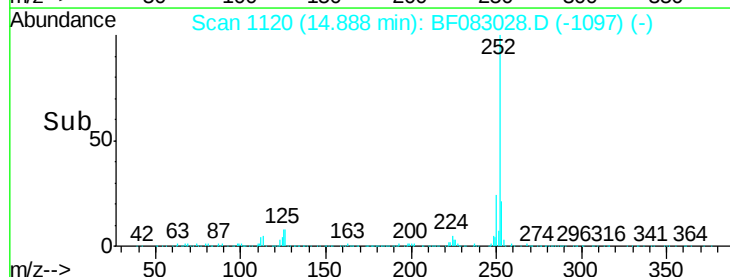
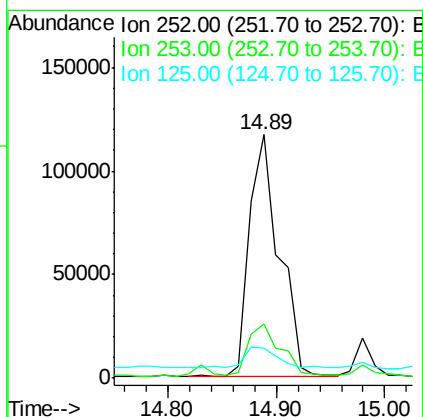
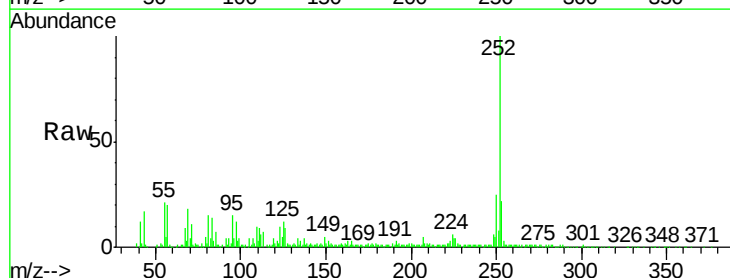
Instrument :
BNA_F
ClientSampleId :

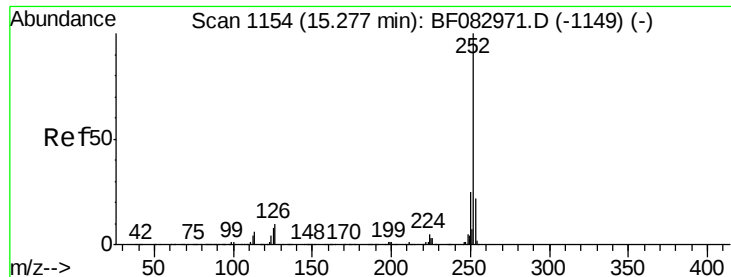
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	12.4	5.4	8.2#



#88
Benzo(k)fluoranthene
Concen: 16.09 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BF083028.D
Acq: 19 Nov 2015 00:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	12.4	3.5	5.3#





#89

Benzo(a)pyrene

Concen: 7.68 ng

RT: 15.21 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

Instrument :

BNA_F

ClientSampleId :

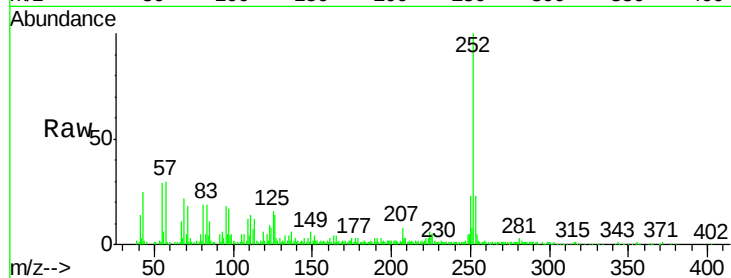
Tot Ion:252 Resp: 104040

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

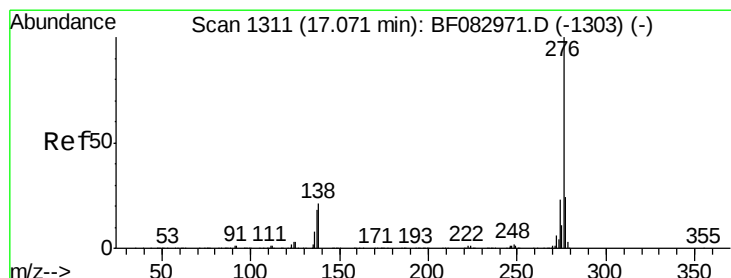
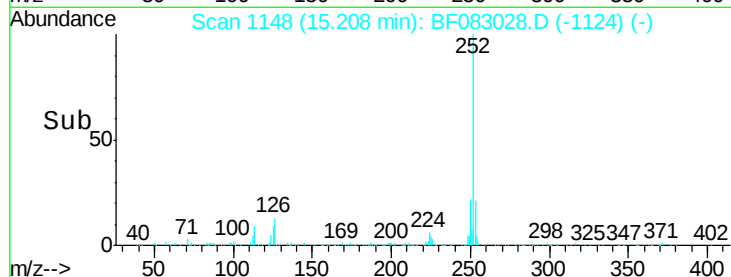
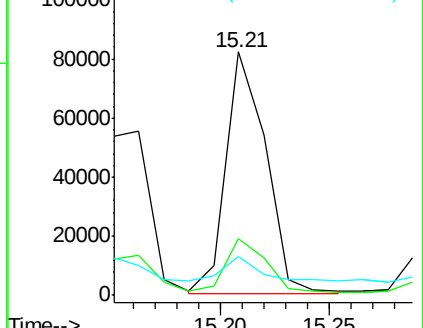
125 15.8 7.1 10.7#



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



#91

Benzo(g,h,i)perylene

Concen: 5.21 ng

RT: 16.98 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF083028.D

Acq: 19 Nov 2015 00:51

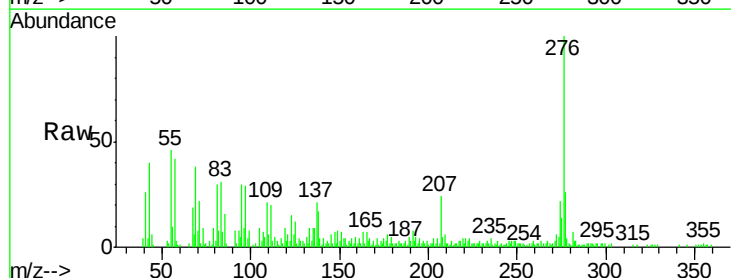
Tgt Ion:276 Resp: 57287

Ion Ratio Lower Upper

276 100

277 25.8 19.2 28.8

138 17.2 13.1 19.7



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

