

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120115\
 Data File : BF083390.D
 Acq On : 1 Dec 2015 23:59
 Operator : UM/IZ
 Sample : G4527-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3(7-9)

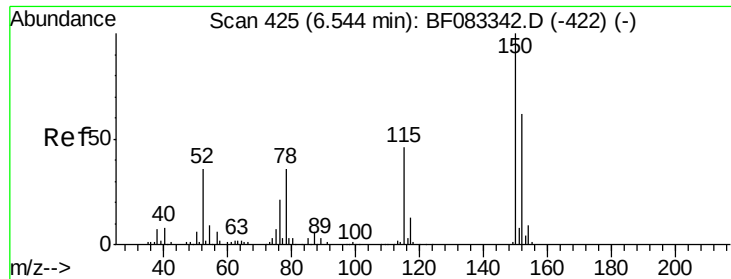
Quant Time: Dec 02 03:19:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	177122	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	617661	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	286148	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	413870	20.00	ng	0.01
75) Chrysene-d12	14.83	240	321459	20.00	ng	0.07
86) Perylene-d12	16.90	264	354925	20.00	ng	0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	1415383	119.91	ng	0.01
7) Phenol-d6	6.22	99	2011497	124.50	ng	0.00
23) Nitrobenzene-d5	7.13	82	1313717	93.50	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	303380	105.62	ng	0.00
44) 2-Fluorobiphenyl	8.92	172	1620311	80.69	ng	0.00
78) Terphenyl-d14	13.28	244	976240	72.43	ng	0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.70	79	33421	2.68	ng	# 48
19) n-Nitroso-di-n-propylamine	6.98	70	35681	3.09	ng	# 83
22) Acetophenone	6.96	105	165939	8.98	ng	# 56
24) Nitrobenzene	7.10	77	52681	3.51	ng	# 25
25) Isophorone	7.37	82	90415	3.32	ng	# 1
31) Naphthalene	7.86	128	78617	2.35	ng	# 76
35) Caprolactam	8.29	113	67695	21.70	ng	# 26
49) Dimethylphthalate	9.32	163	419989	18.06	ng	# 99
50) 2,6-Dinitrotoluene	9.37	165	20120	4.05	ng	# 52
52) 3-Nitroaniline	9.54	138	23355	4.01	ng	# 11
53) 2,4-Dinitrophenol	9.88	184	7853	4.41	ng	# 91
58) 2,3,4,6-Tetrachlorophenol	10.05	232	15717	2.96	ng	# 1
61) 4-Nitroaniline	10.00	138	16935	2.91	ng	# 94
65) n-Nitrosodiphenylamine	10.26	169	57043	3.92	ng	# 43
70) Phenanthrene	11.16	178	97593	3.98	ng	# 69
74) Fluoranthene	12.71	202	84772	3.34	ng	# 54
77) Pyrene	13.03	202	114428	5.10	ng	# 68
80) Benzo(a)anthracene	14.85	228	189425	9.62	ng	# 34
82) Chrysene	14.85	228	189425	9.96	ng	# 40
87) Benzo(b)fluoranthene	16.40	252	61168	2.69	ng	# 1
88) Benzo(k)fluoranthene	16.40	252	61168	2.84	ng	# 1

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

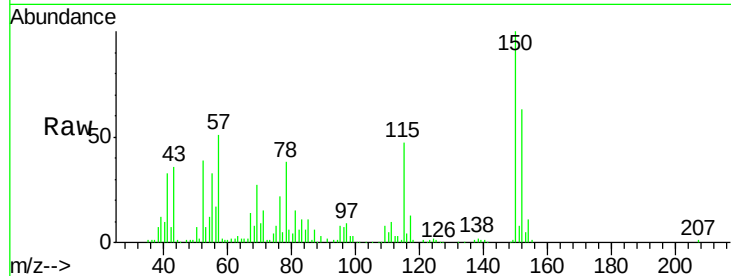


#1

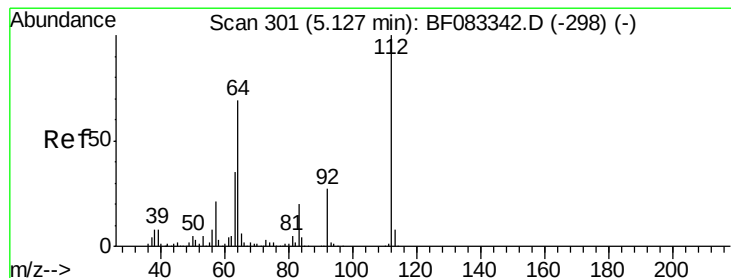
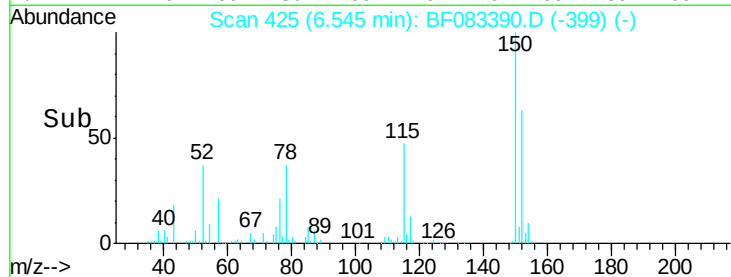
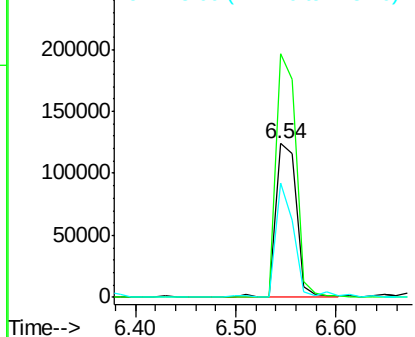
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

Instrument :
BNA_F
ClientSampleId :
TP3(7-9)

Tgt Ion:152 Resp: 177122
Ion Ratio Lower Upper
152 100
150 158.6 129.8 194.8
115 74.8 59.2 88.8



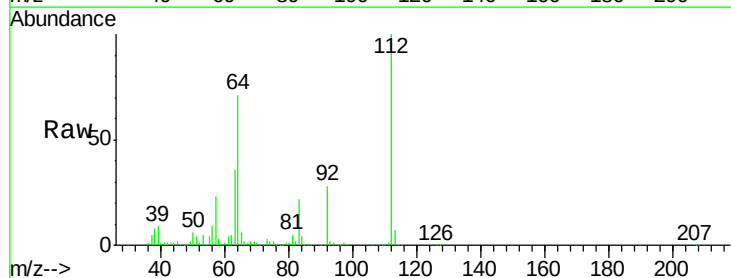
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



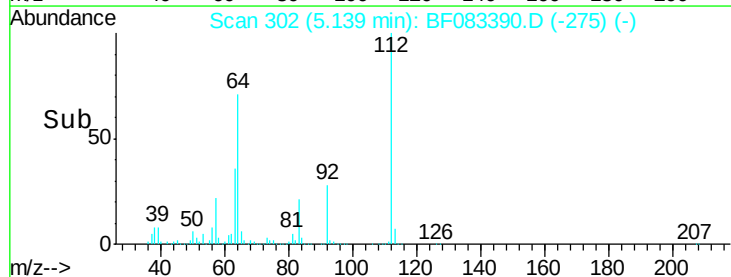
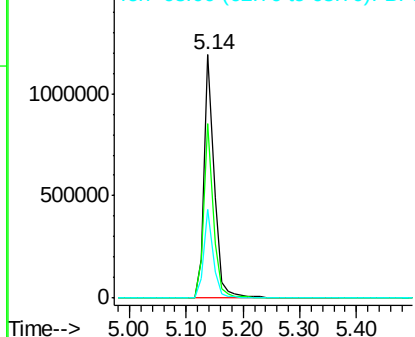
#5

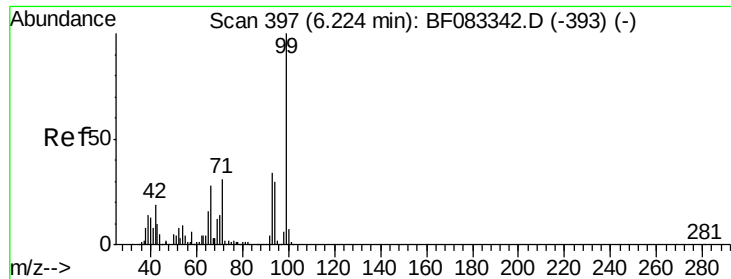
2-Fluorophenol
Concen: 119.91 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

Tgt Ion:112 Resp: 1415383
Ion Ratio Lower Upper
112 100
64 71.5 55.6 83.4
63 36.5 28.2 42.2



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: 124.50 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

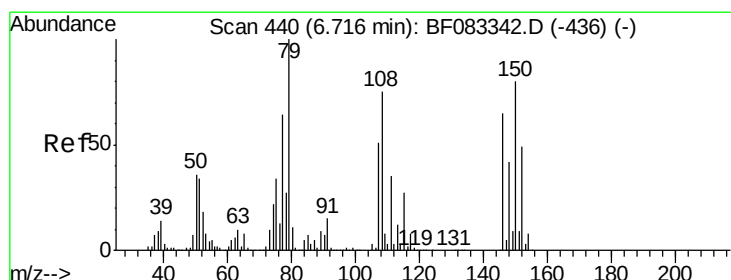
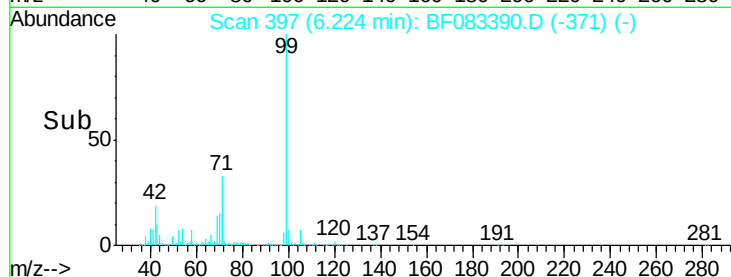
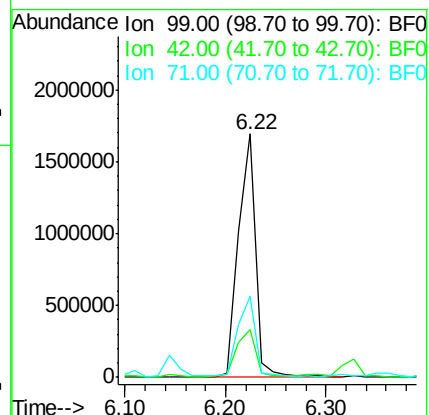
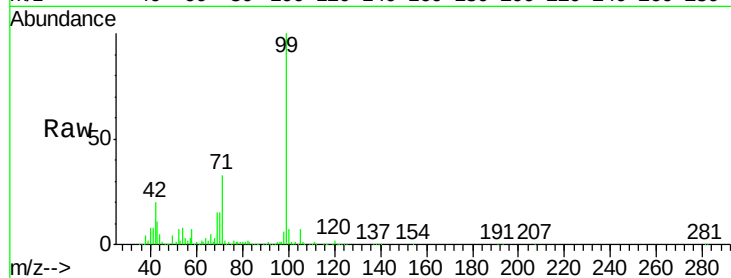
Tgt Ion: 99 Resp: 2011497

Ion Ratio Lower Upper

99 100

42 19.7 14.9 22.3

71 33.3 24.7 37.1



#15

Benzyl Alcohol

Concen: 2.68 ng

RT: 6.70 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

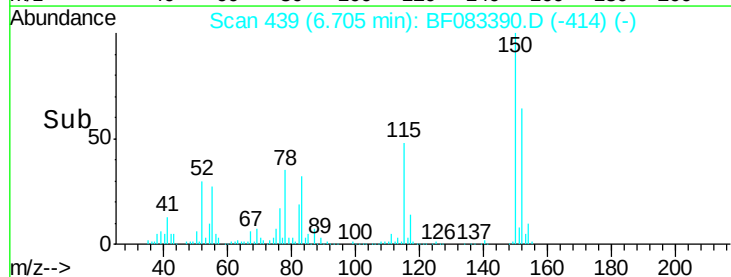
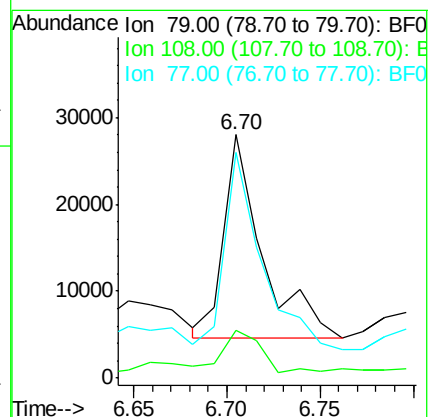
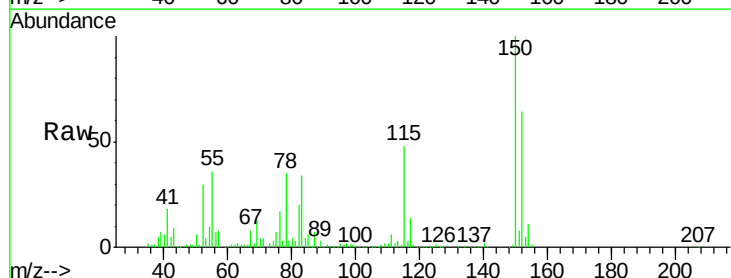
Tgt Ion: 79 Resp: 33421

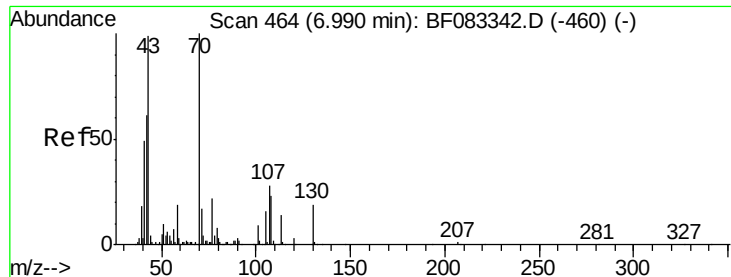
Ion Ratio Lower Upper

79 100

108 19.8 59.9 89.9#

77 92.8 51.0 76.6#

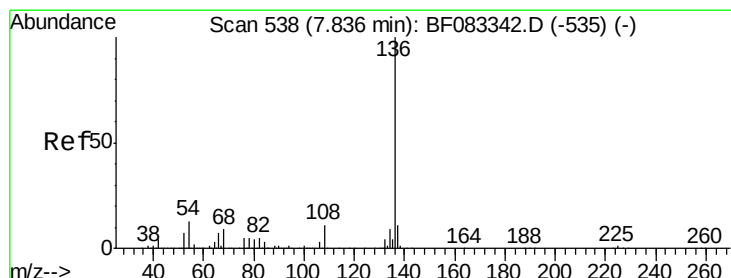
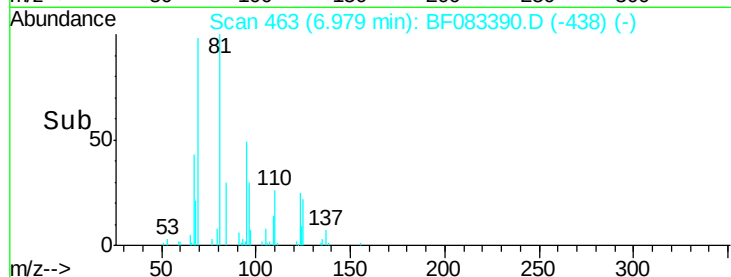
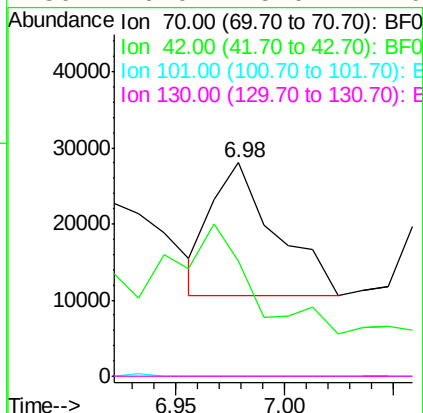
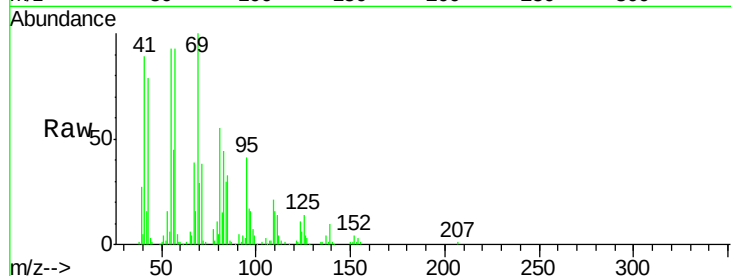




#19
n-Nitroso-di-n-propylamine
Concen: 3.09 ng
RT: 6.98 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

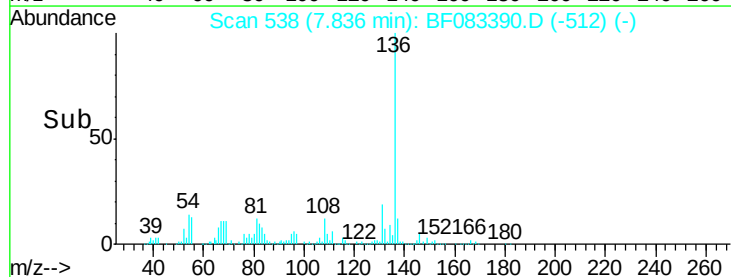
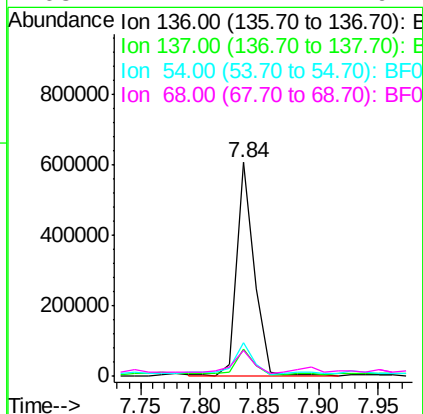
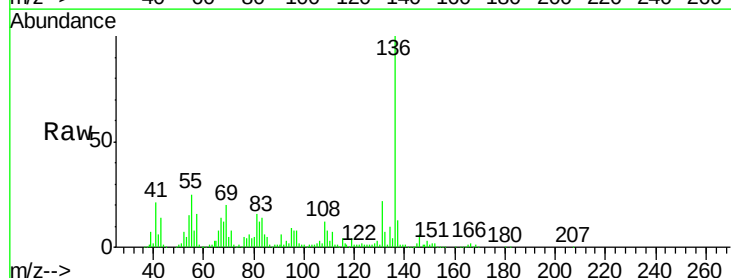
Instrument :
BNA_F
ClientSampleId :
TP3(7-9)

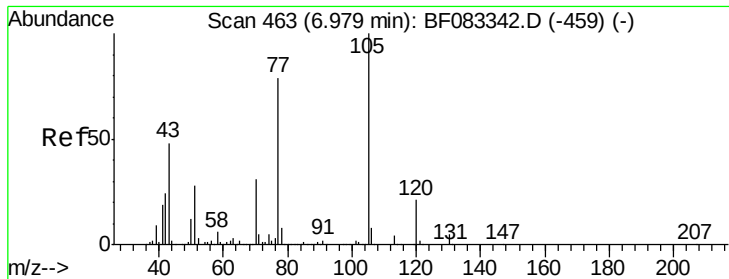
Tgt Ion: 70 Resp: 35681
Ion Ratio Lower Upper
70 100
42 54.2 48.8 73.2
101 0.0 7.1 10.7#
130 0.0 15.0 22.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

Tgt Ion: 136 Resp: 617661
Ion Ratio Lower Upper
136 100
137 12.8 9.0 13.4
54 15.3 10.1 15.1#
68 12.1 7.1 10.7#





#22

Acetophenone

Concen: 8.98 ng

RT: 6.96 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampled :

TP3(7-9)

Tgt Ion:105 Resp: 165939

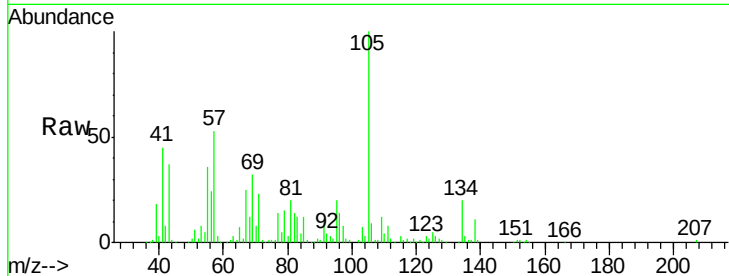
Ion Ratio Lower Upper

105 100

71 22.6 4.3 6.5#

51 5.8 22.9 34.3#

120 0.2 16.7 25.1#

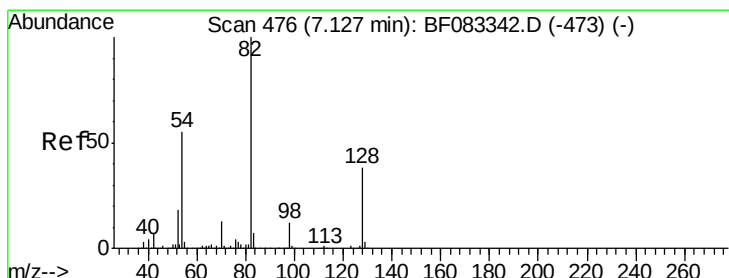
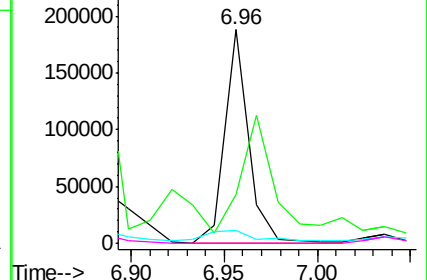
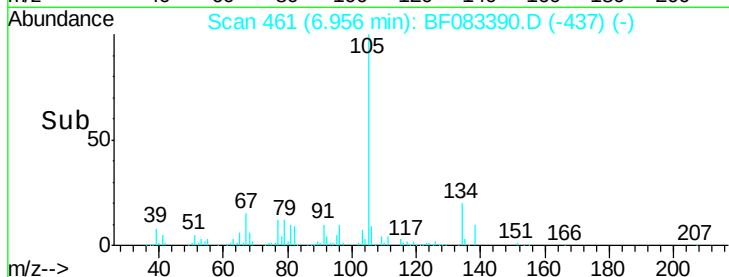


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 93.50 ng

RT: 7.13 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

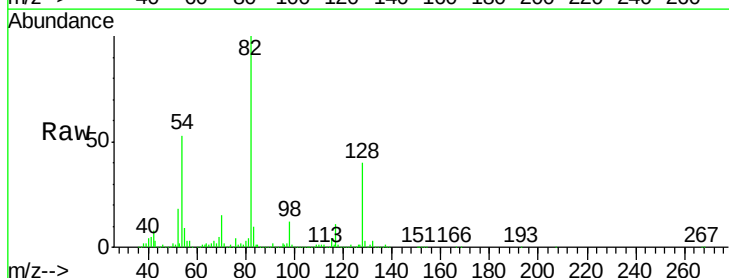
Tgt Ion: 82 Resp: 1313717

Ion Ratio Lower Upper

82 100

128 40.4 30.6 46.0

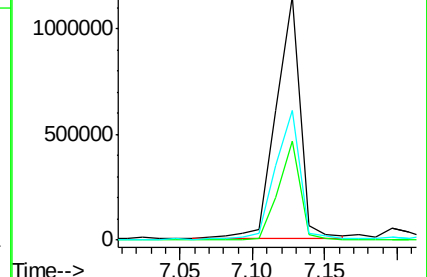
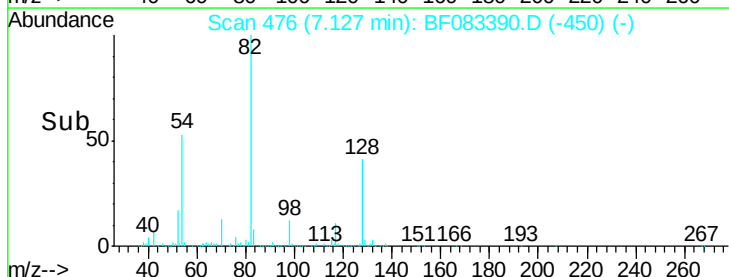
54 53.0 43.8 65.6

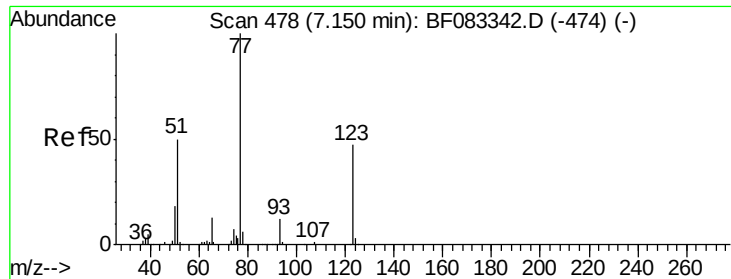


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 3.51 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.05 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

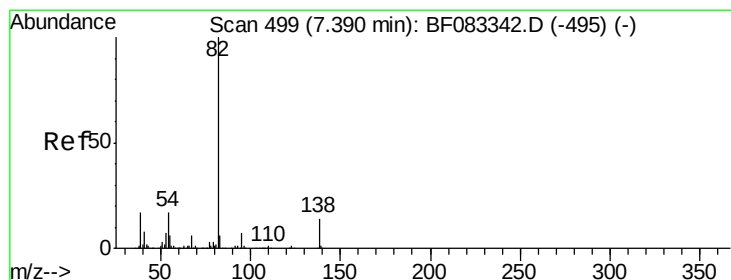
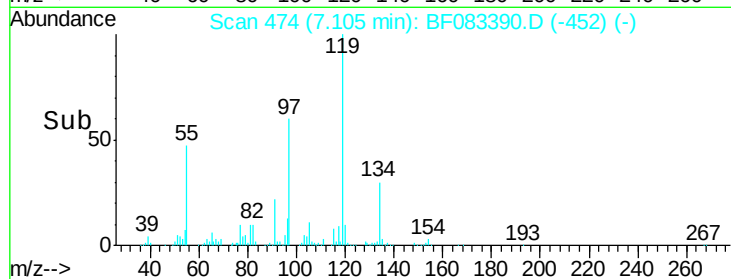
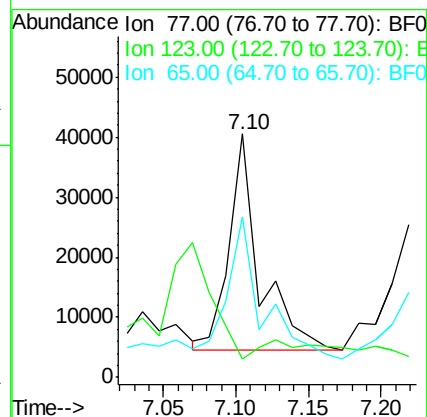
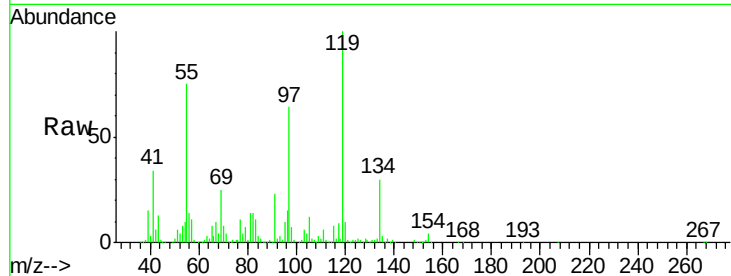
Tgt Ion: 77 Resp: 52681

Ion Ratio Lower Upper

77 100

123 7.6 37.4 56.0#

65 65.7 10.6 15.8#



#25

Isophorone

Concen: 3.32 ng

RT: 7.37 min Scan# 497

Delta R.T. -0.02 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

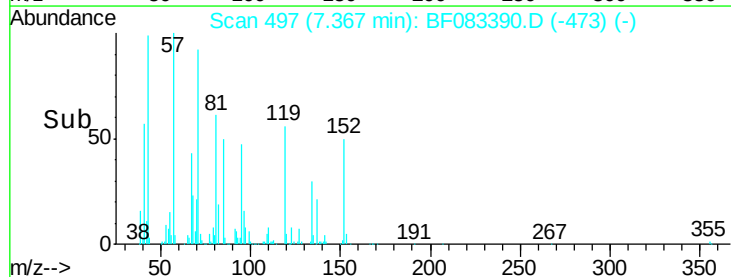
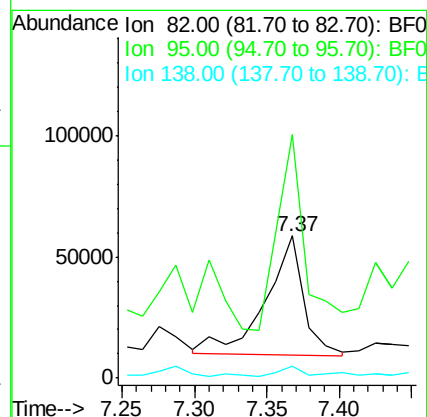
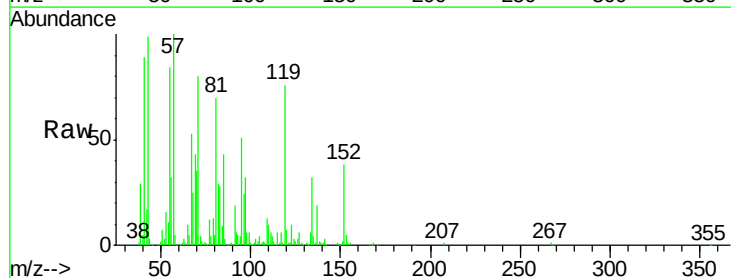
Tgt Ion: 82 Resp: 90415

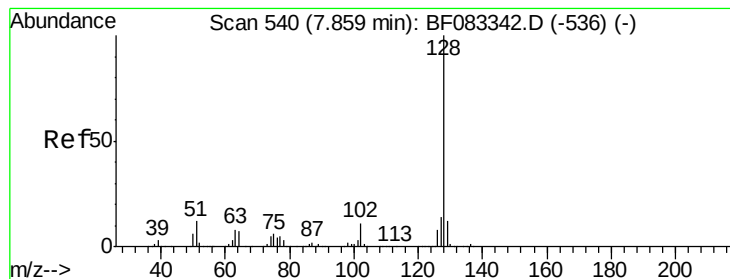
Ion Ratio Lower Upper

82 100

95 171.4 5.3 7.9#

138 8.4 11.6 17.4#





#31

Naphthalene

Concen: 2.35 ng

RT: 7.86 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

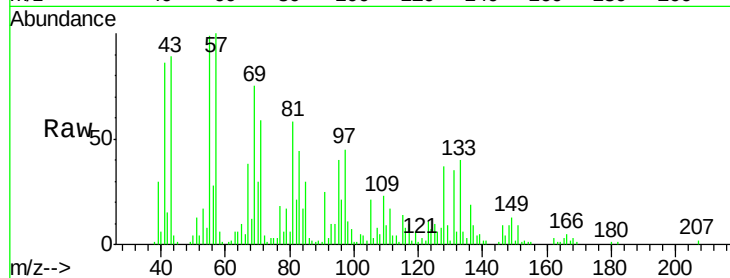
Tgt Ion:128 Resp: 78617

Ion Ratio Lower Upper

128 100

129 23.3 9.7 14.5#

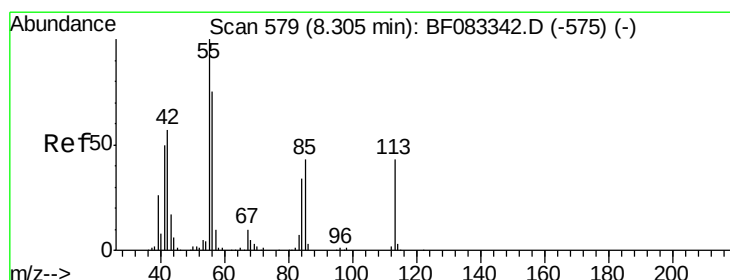
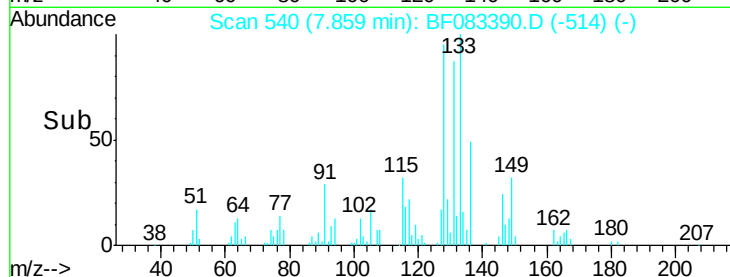
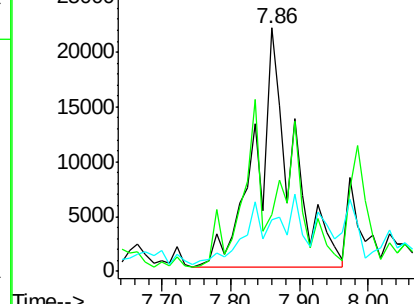
127 21.4 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#35

Caprolactam

Concen: 21.70 ng

RT: 8.29 min Scan# 578

Delta R.T. -0.01 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

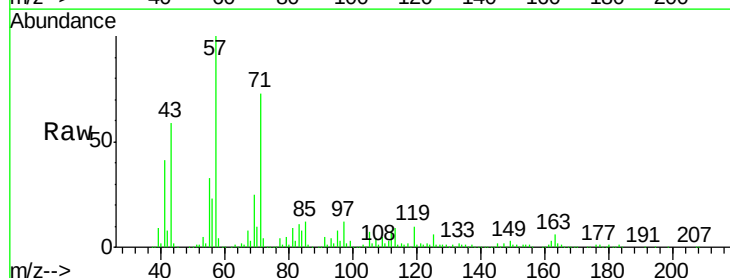
Tgt Ion:113 Resp: 67695

Ion Ratio Lower Upper

113 100

55 367.3 211.6 251.6#

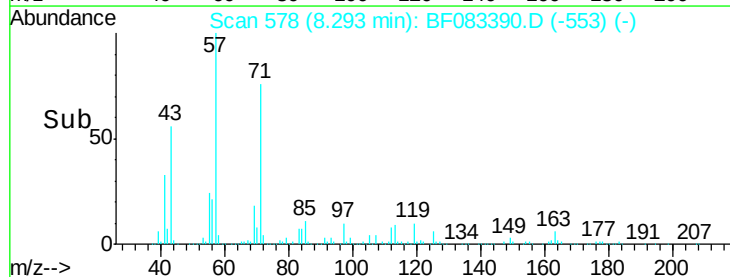
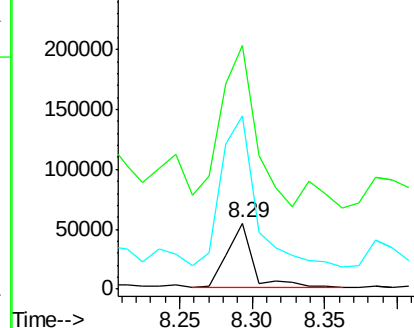
56 262.2 153.0 193.0#

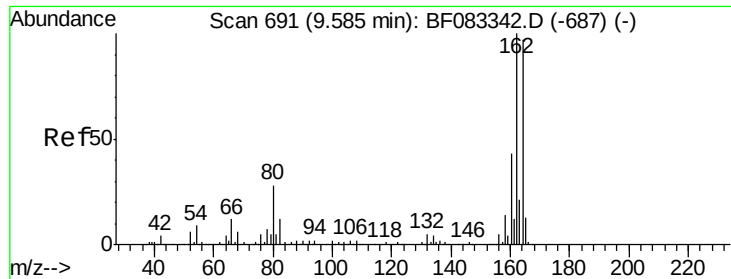


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

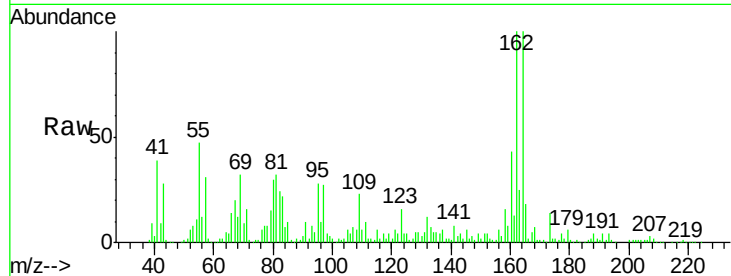
Tgt Ion:164 Resp: 286148

Ion Ratio Lower Upper

164 100

162 100.2 82.6 123.8

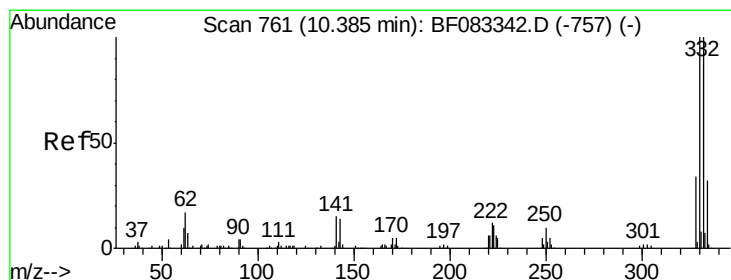
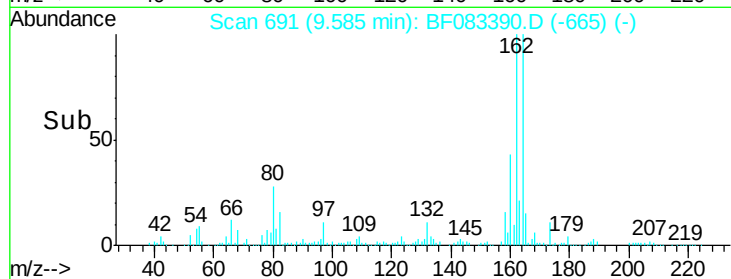
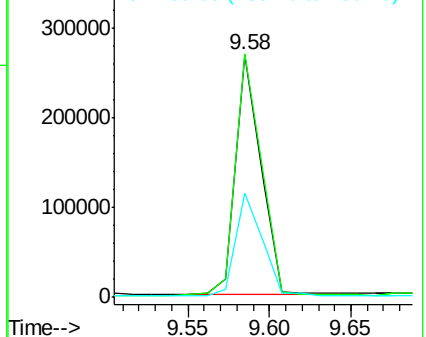
160 42.9 35.3 52.9



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: 105.62 ng

RT: 10.38 min Scan# 761

Delta R.T. 0.00 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

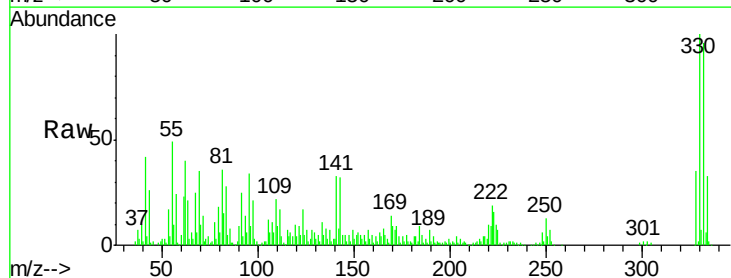
Tgt Ion:330 Resp: 303380

Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.6

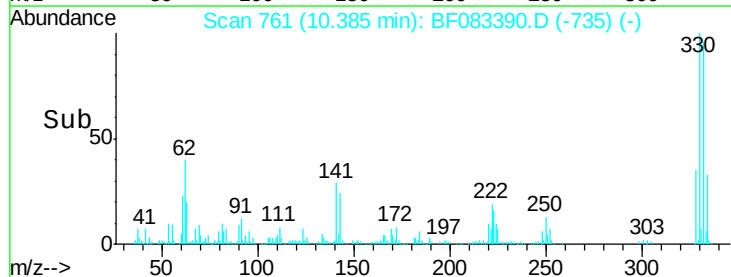
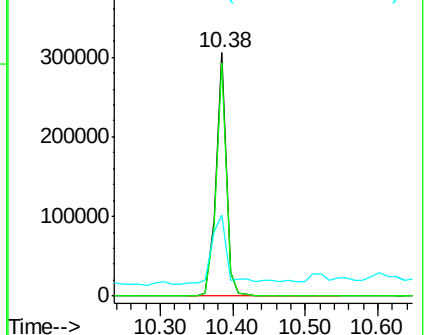
141 43.3 29.4 44.0

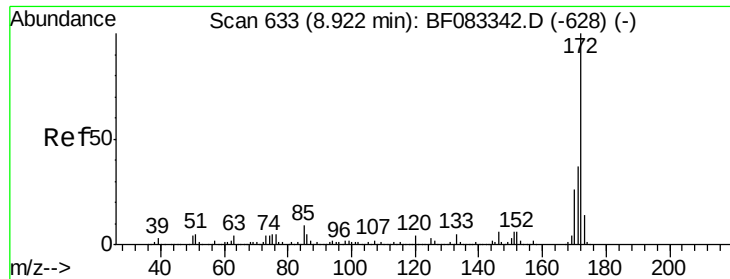


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

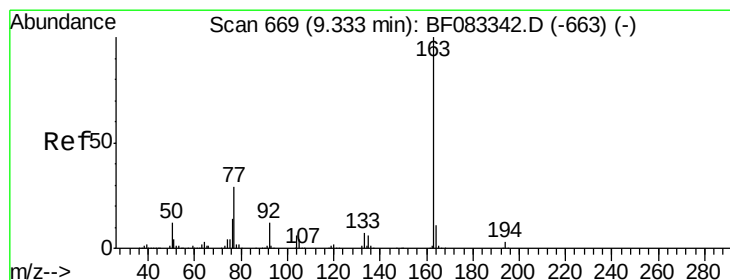
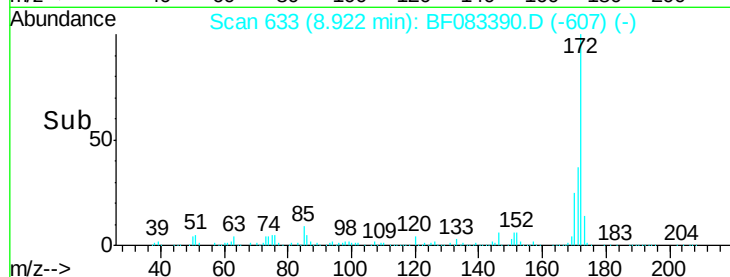
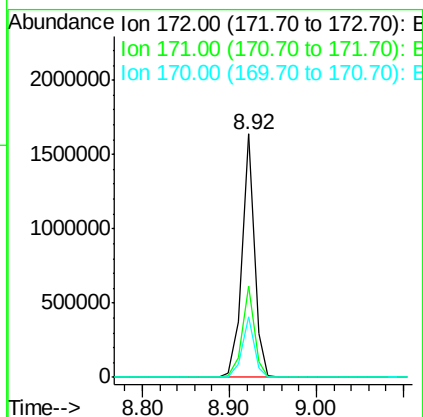
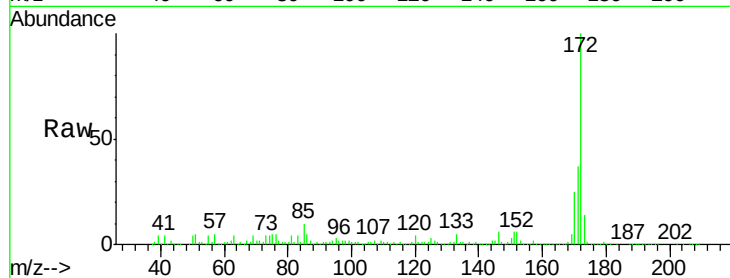




#44
 2-Fluorobiphenyl
 Concen: 80.69 ng
 RT: 8.92 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: BF083390.D
 Acq: 1 Dec 2015 23:59

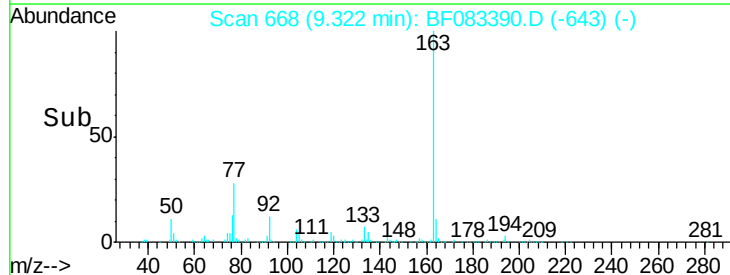
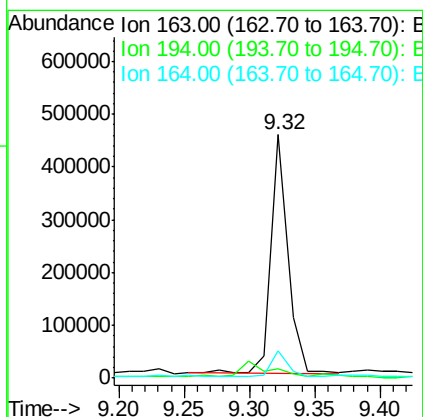
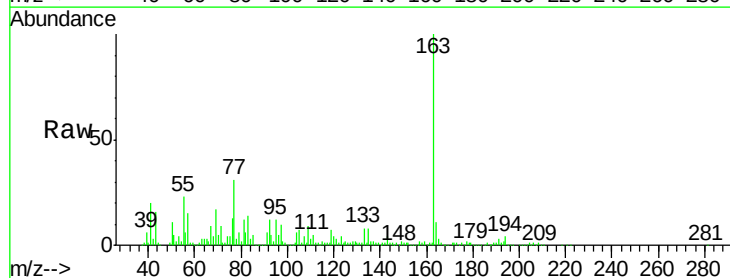
Instrument :
 BNA_F
 ClientSampleId :
 TP3(7-9)

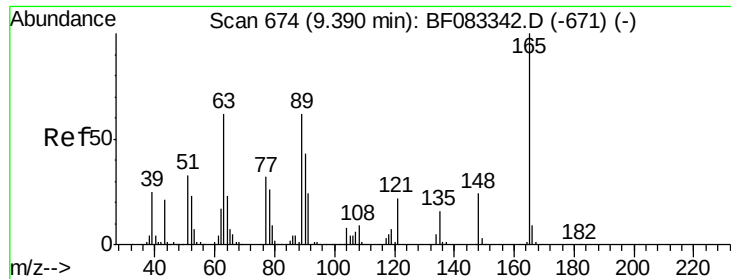
Tgt Ion:172 Resp: 1620311
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.4 44.0
 170 25.1 20.4 30.6



#49
 Dimethylphthalate
 Concen: 18.06 ng
 RT: 9.32 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF083390.D
 Acq: 1 Dec 2015 23:59

Tgt Ion:163 Resp: 419989
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 11.1 8.8 13.2





#50

2,6-Dinitrotoluene

Concen: 4.05 ng

RT: 9.37 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

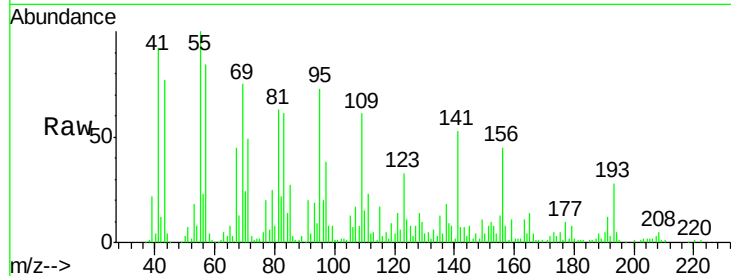
Tgt Ion:165 Resp: 20120

Ion Ratio Lower Upper

165 100

63 36.3 56.0 84.0#

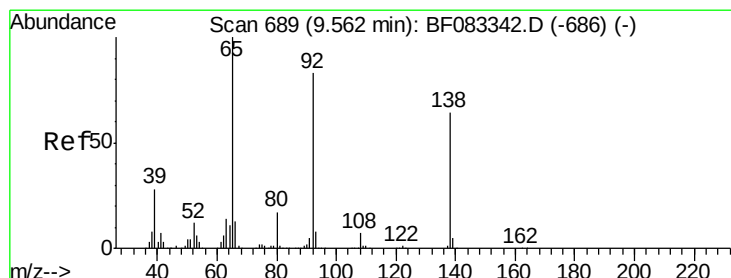
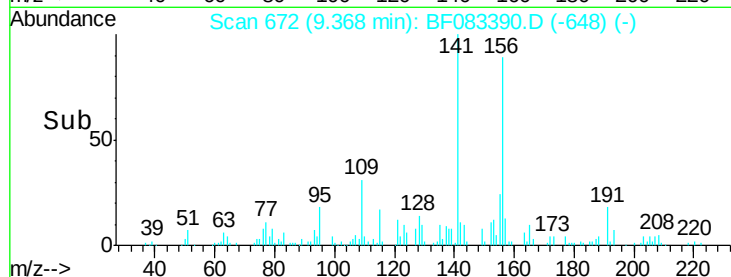
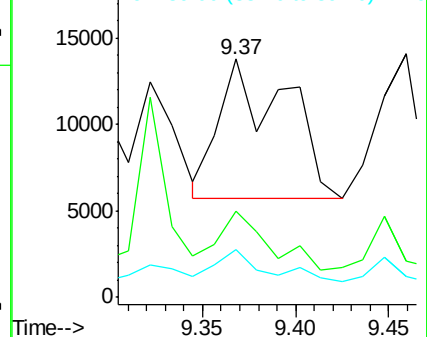
89 20.0 49.8 74.8#



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



#52

3-Nitroaniline

Concen: 4.01 ng

RT: 9.54 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

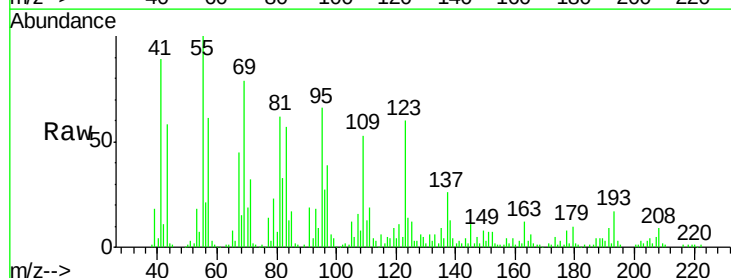
Tgt Ion:138 Resp: 23355

Ion Ratio Lower Upper

138 100

108 60.8 8.4 12.6#

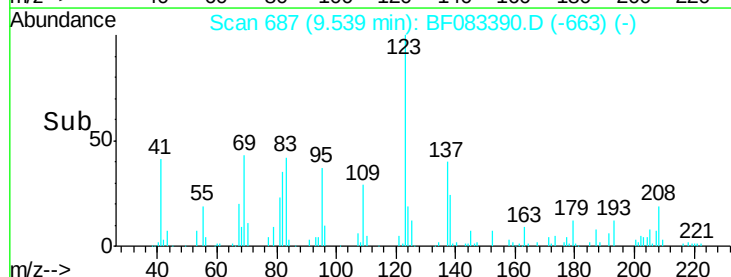
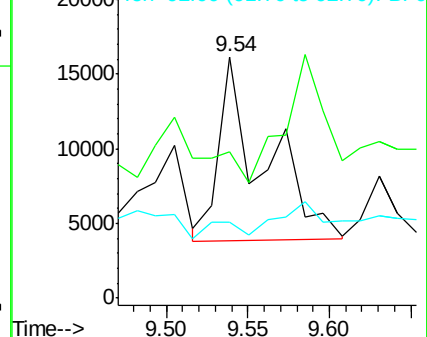
92 31.3 104.2 156.4#

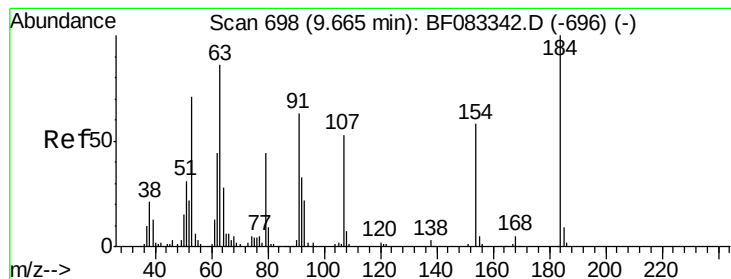


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 4.41 ng

RT: 9.88 min Scan# 717

Delta R.T. 0.22 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

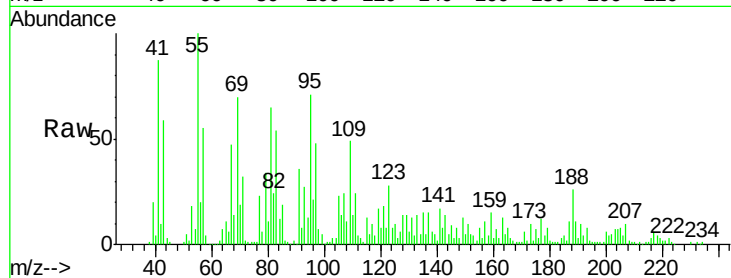
Tgt Ion:184 Resp: 7853

Ion Ratio Lower Upper

184 100

63 73.1 69.0 103.6

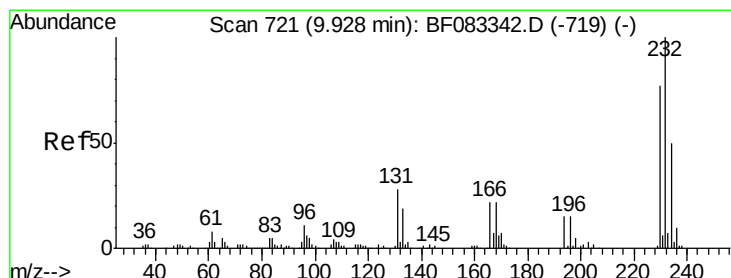
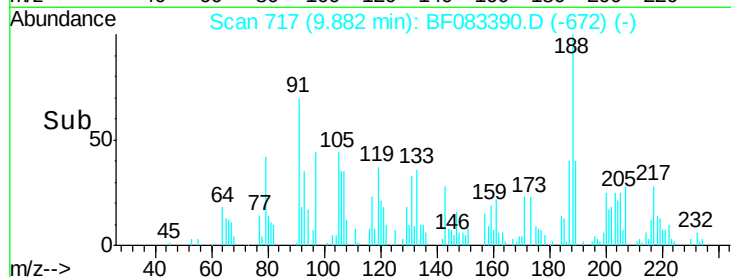
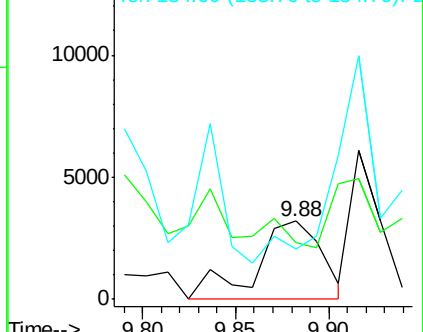
154 64.4 50.0 75.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 2.96 ng

RT: 10.05 min Scan# 732

Delta R.T. 0.13 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Tgt Ion:232 Resp: 15717

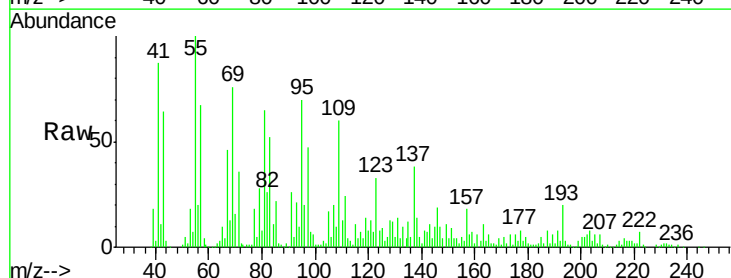
Ion Ratio Lower Upper

232 100

131 165.9 35.4 53.2#

130 0.0 1.7 2.5#

166 0.0 23.3 34.9#

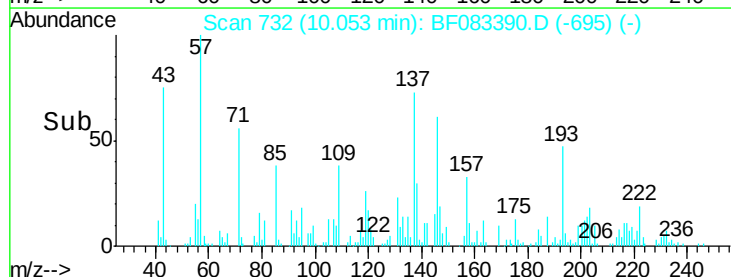
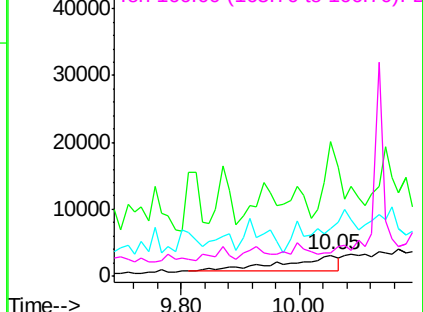


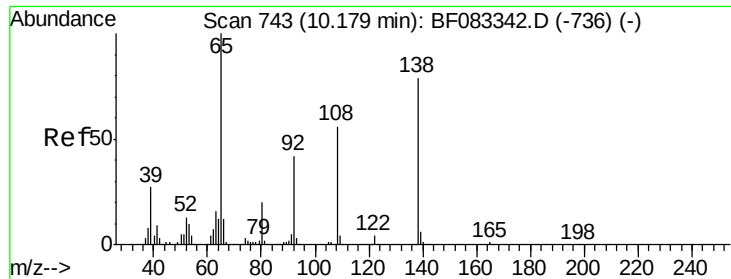
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

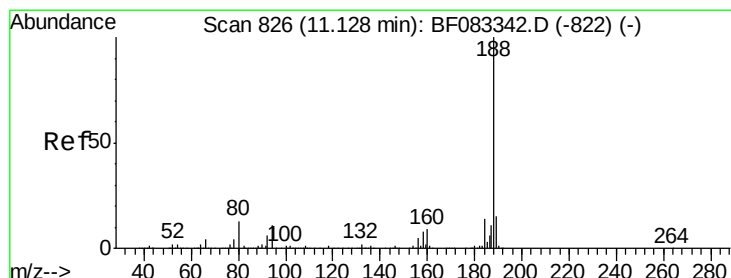
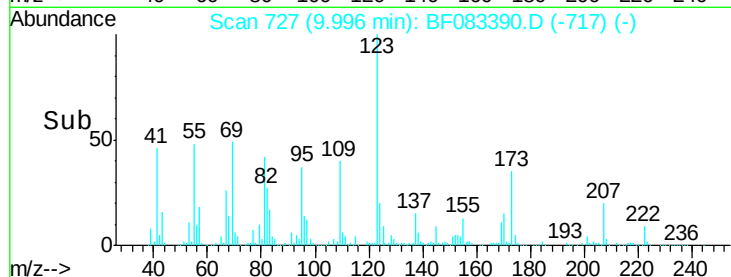
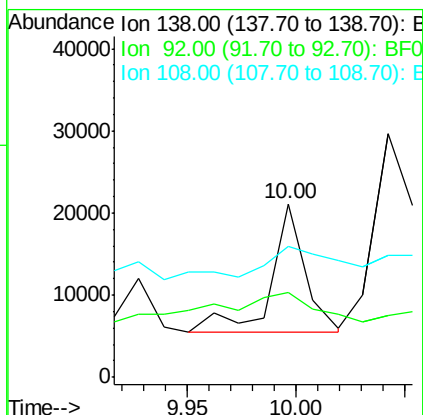
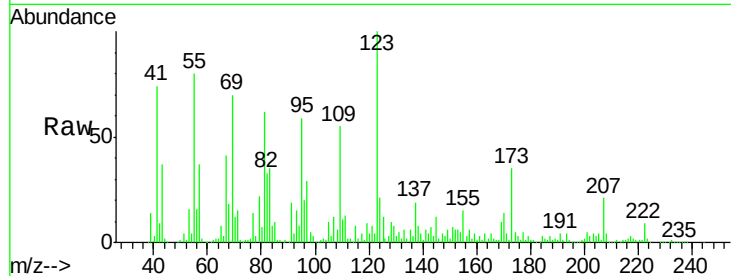




#61
4-Nitroaniline
Concen: 2.91 ng
RT: 10.00 min Scan# 727
Delta R.T. -0.18 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

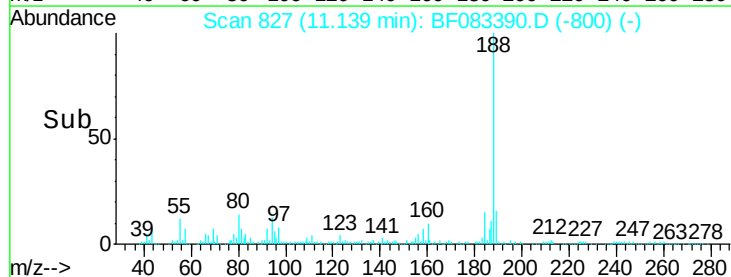
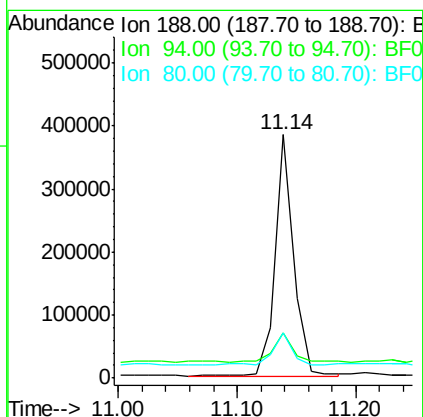
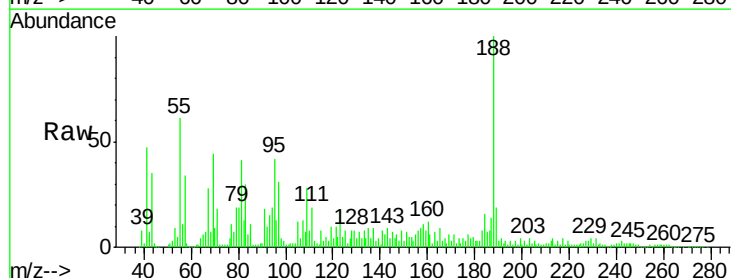
Instrument :
BNA_F
ClientSampled :
TP3(7-9)

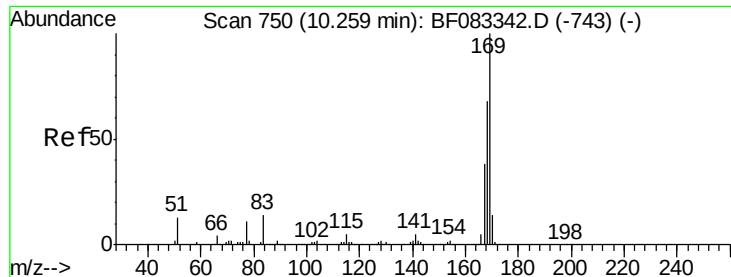
Tgt Ion:138 Resp: 16935
Ion Ratio Lower Upper
138 100
92 49.1 33.6 73.6
108 75.1 51.0 91.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 827
Delta R.T. 0.01 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

Tgt Ion:188 Resp: 413870
Ion Ratio Lower Upper
188 100
94 18.6 8.7 13.1#
80 18.8 10.3 15.5#

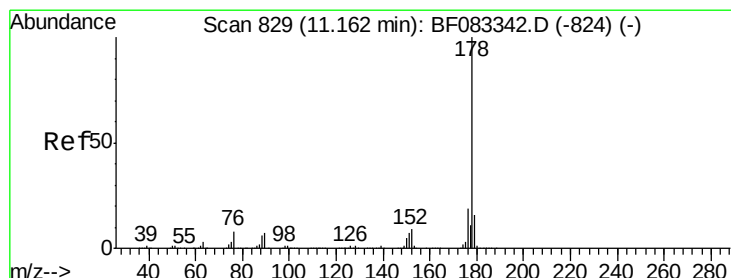
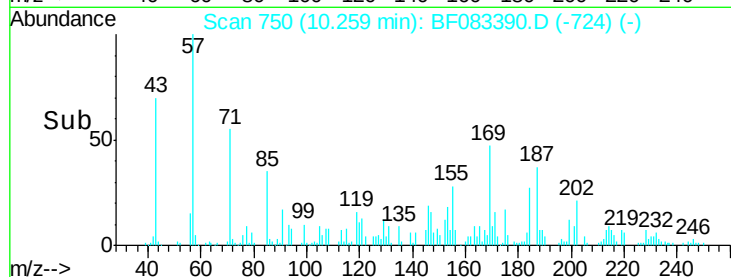
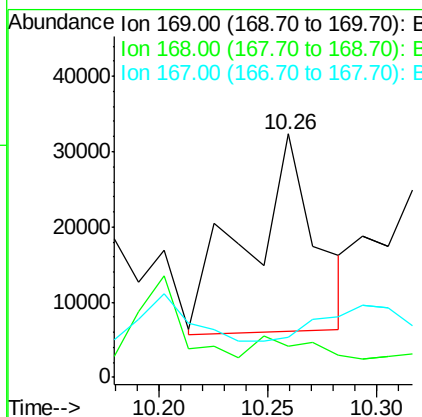
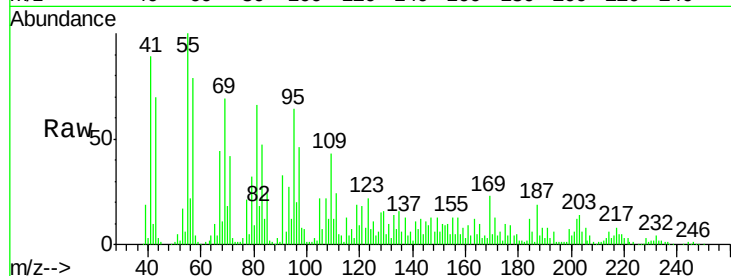




#65
 n-Nitrosodiphenylamine
 Concen: 3.92 ng
 RT: 10.26 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF083390.D
 Acq: 1 Dec 2015 23:59

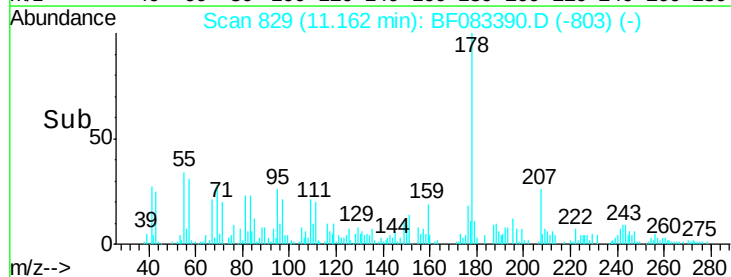
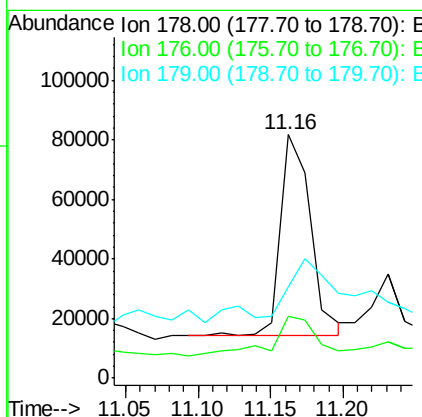
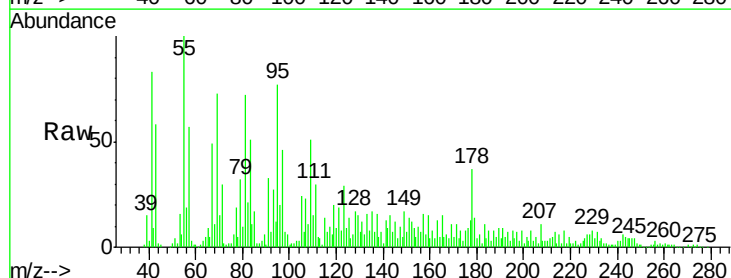
Instrument :
 BNA_F
 ClientSampleId :
 TP3(7-9)

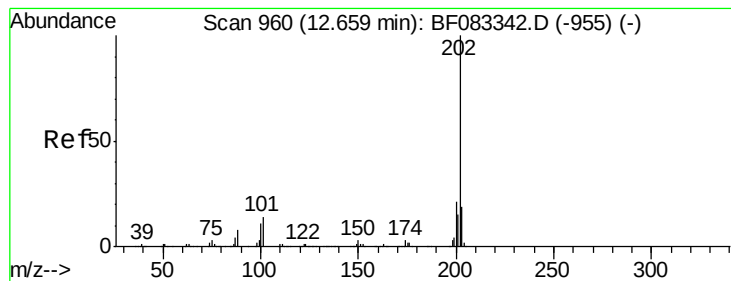
Tgt Ion:169 Resp: 57043
 Ion Ratio Lower Upper
 169 100
 168 12.6 54.8 82.2#
 167 16.5 30.2 45.2#



#70
 Phenanthrene
 Concen: 3.98 ng
 RT: 11.16 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF083390.D
 Acq: 1 Dec 2015 23:59

Tgt Ion:178 Resp: 97593
 Ion Ratio Lower Upper
 178 100
 176 25.4 15.3 22.9#
 179 37.5 12.4 18.6#





#74

Fluoranthene

Concen: 3.34 ng

RT: 12.71 min Scan# 964

Delta R.T. 0.05 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

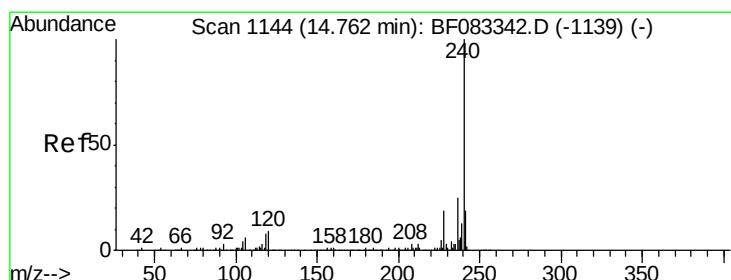
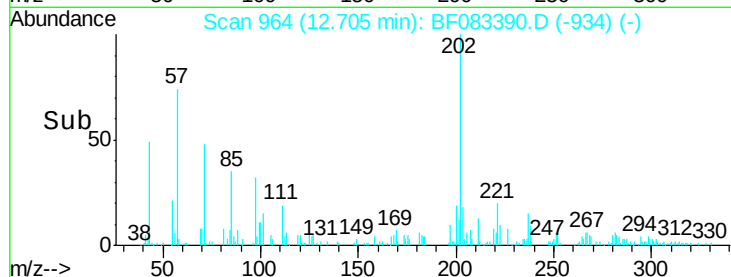
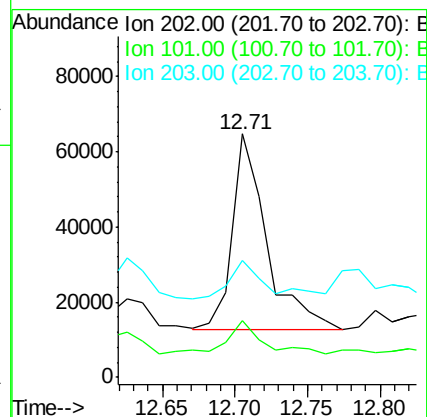
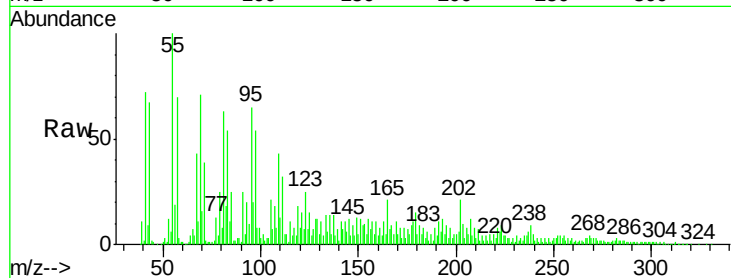
Tgt Ion:202 Resp: 84772

Ion Ratio Lower Upper

202 100

101 23.2 0.0 34.5

203 48.2 0.0 38.7#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.83 min Scan# 1150

Delta R.T. 0.07 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

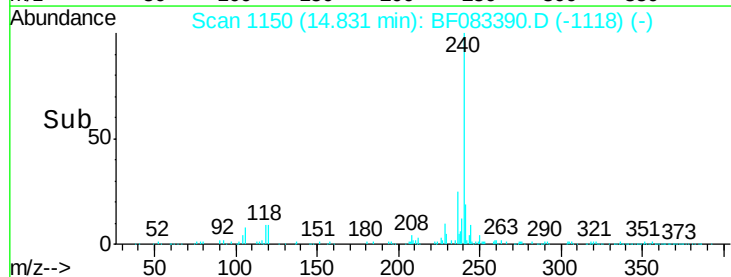
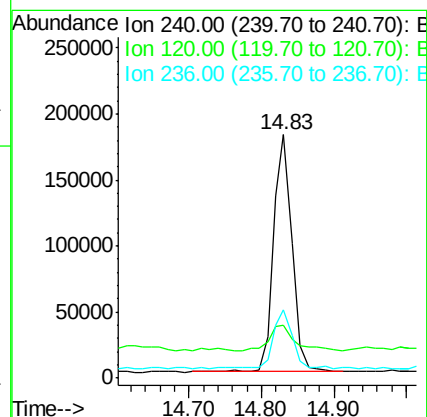
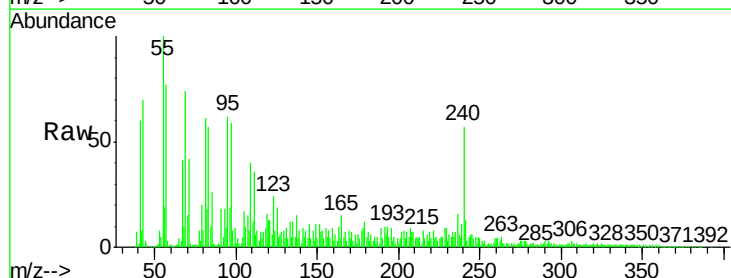
Tgt Ion:240 Resp: 321459

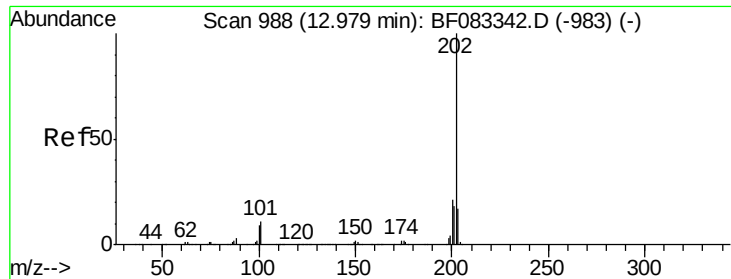
Ion Ratio Lower Upper

240 100

120 22.0 6.9 10.3#

236 28.0 19.8 29.6





#77

Pyrene

Concen: 5.10 ng

RT: 13.03 min Scan# 992

Delta R.T. 0.05 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

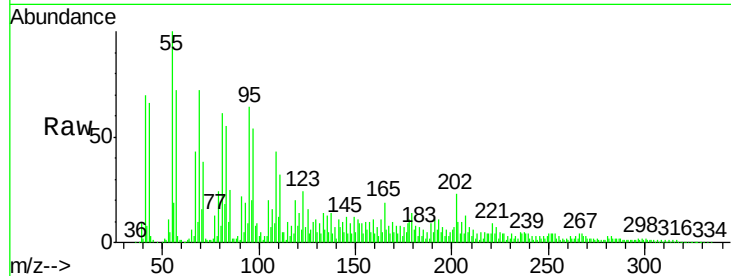
Tgt Ion:202 Resp: 114428

Ion Ratio Lower Upper

202 100

200 24.9 16.9 25.3

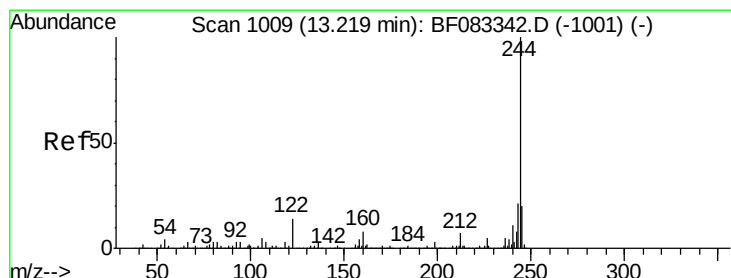
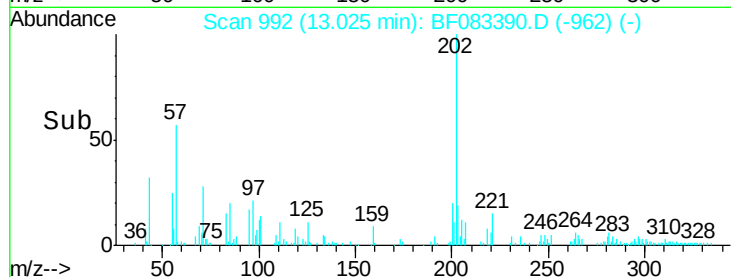
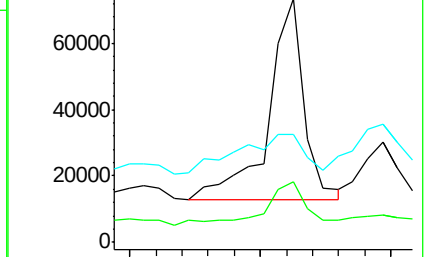
203 44.2 13.9 20.9#



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: 72.43 ng

RT: 13.28 min Scan# 1014

Delta R.T. 0.06 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

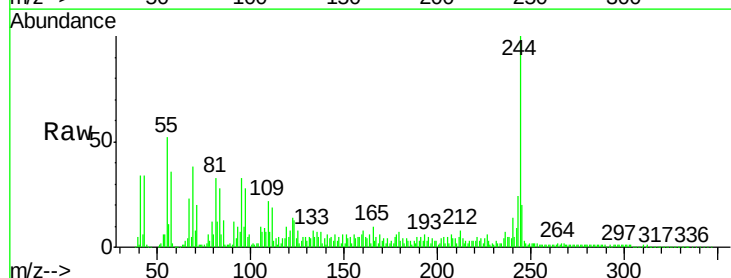
Tgt Ion:244 Resp: 976240

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

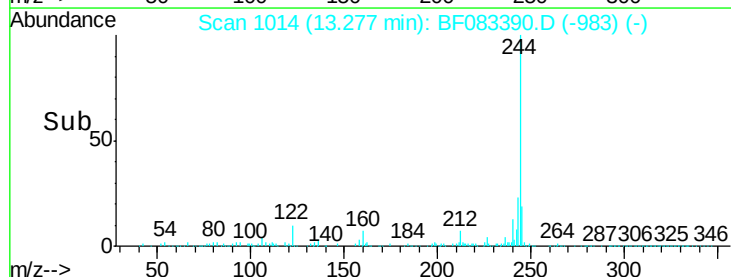
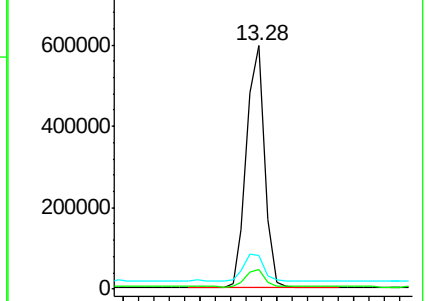
122 13.6 11.0 16.4

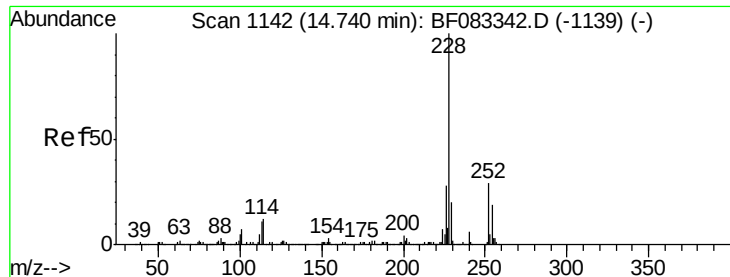


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.62 ng

RT: 14.85 min Scan# 1152

Delta R.T. 0.11 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

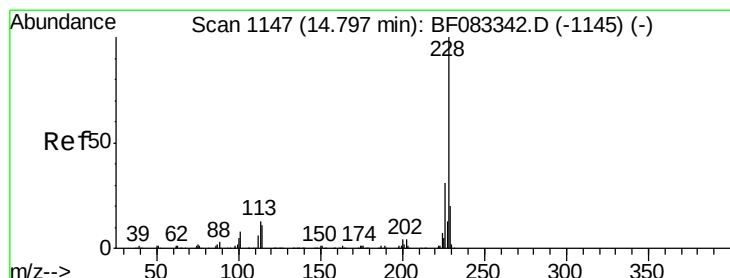
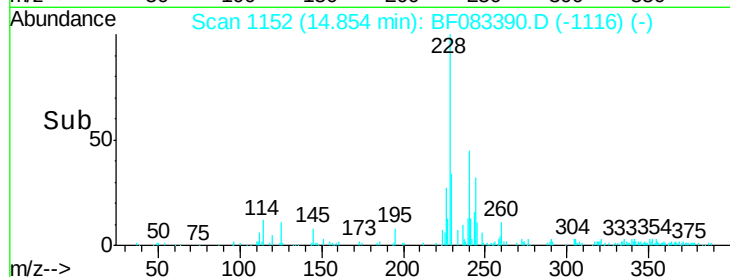
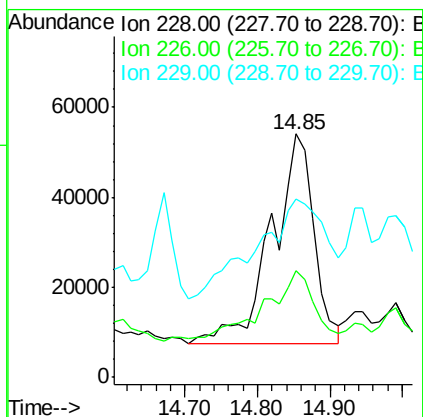
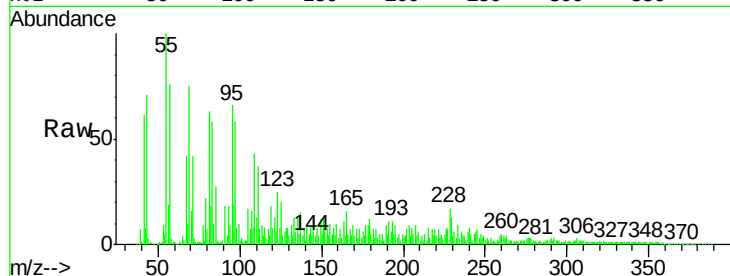
Tgt Ion:228 Resp: 189425

Ion Ratio Lower Upper

228 100

226 43.9 22.2 33.4#

229 73.3 16.1 24.1#



#82

Chrysene

Concen: 9.96 ng

RT: 14.85 min Scan# 1152

Delta R.T. 0.06 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

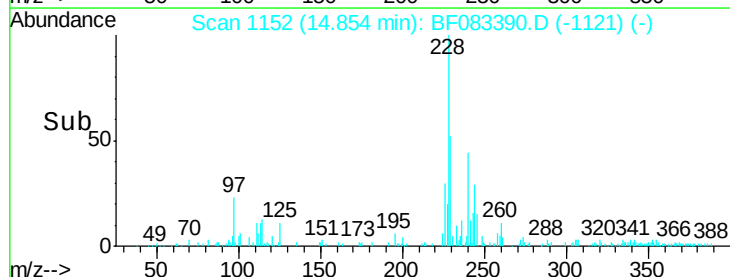
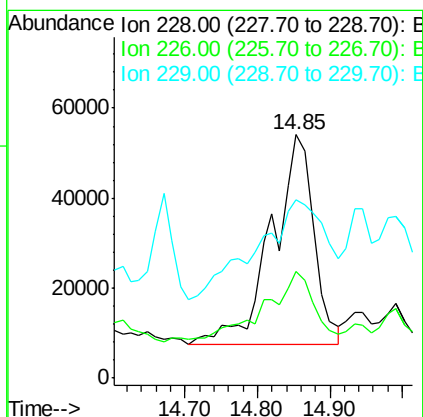
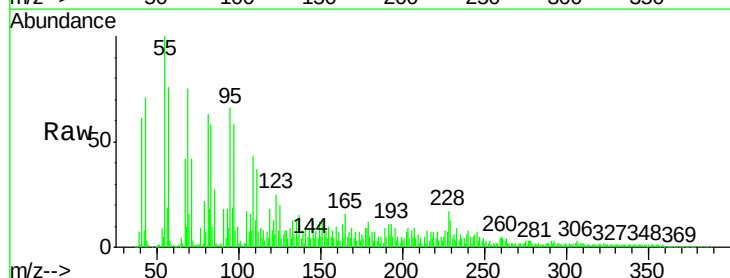
Tgt Ion:228 Resp: 189425

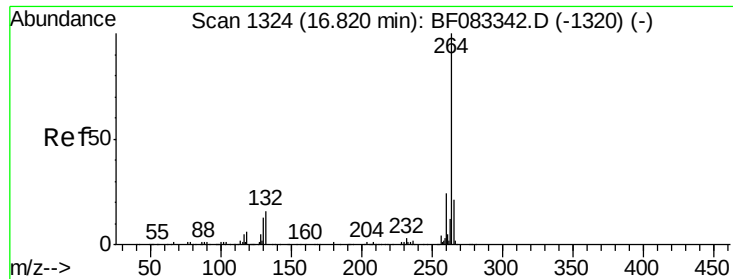
Ion Ratio Lower Upper

228 100

226 43.9 24.6 37.0#

229 73.3 16.2 24.2#

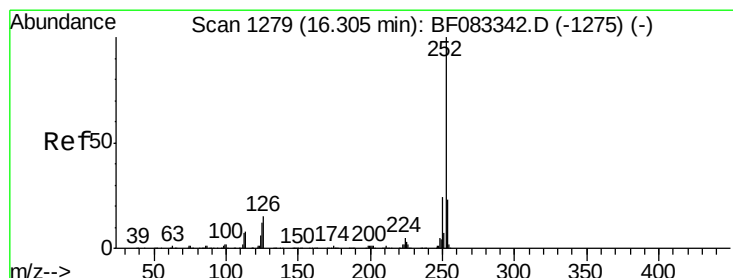
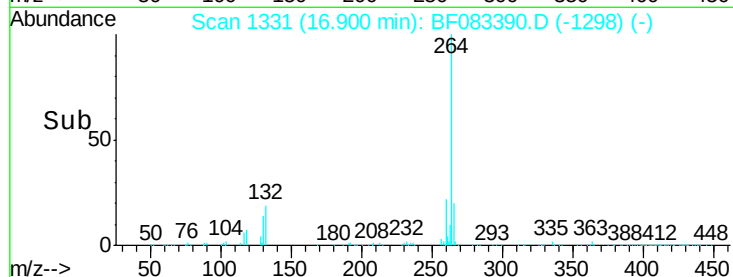
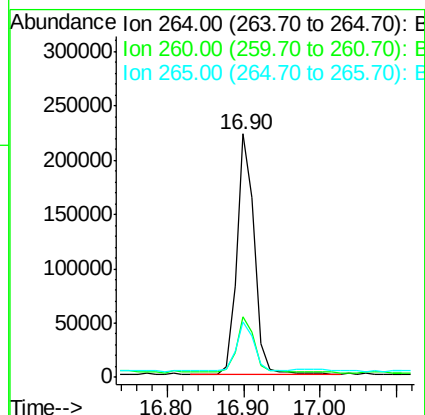
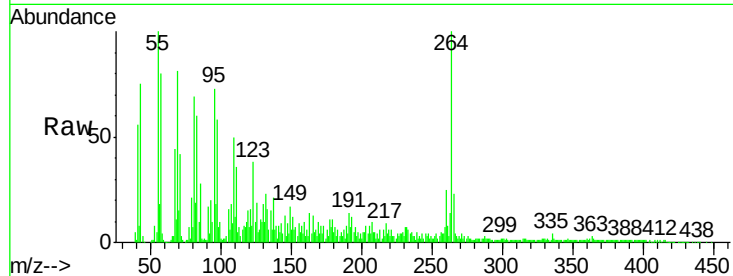




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.90 min Scan# 1331
Delta R.T. 0.08 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

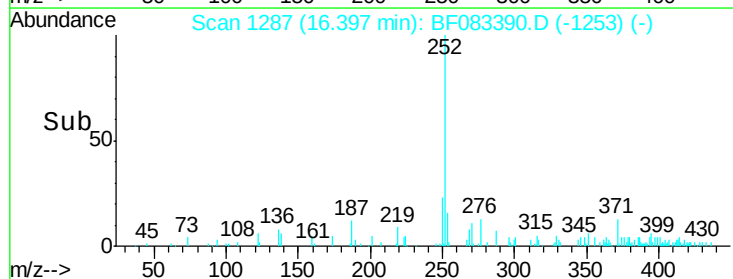
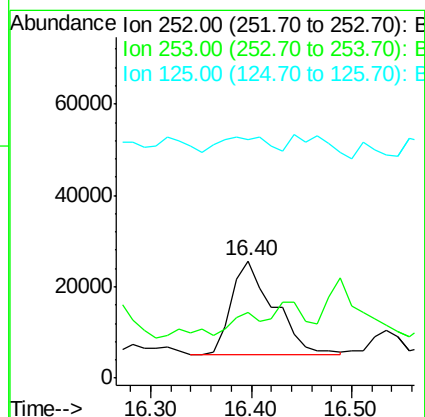
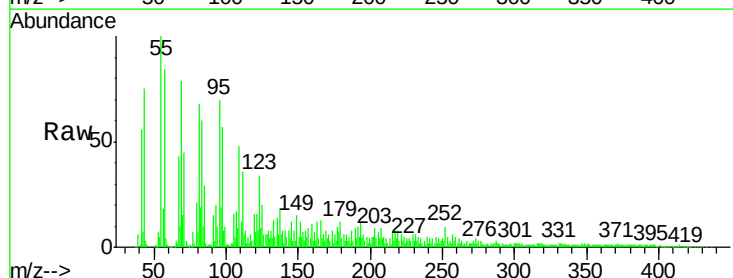
Instrument :
BNA_F
ClientSampled :
TP3(7-9)

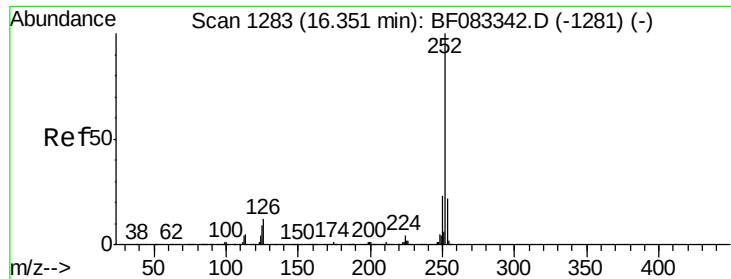
Tgt Ion:264 Resp: 354925
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.4
265 22.8 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 2.69 ng
RT: 16.40 min Scan# 1287
Delta R.T. 0.09 min
Lab File: BF083390.D
Acq: 1 Dec 2015 23:59

Tgt Ion:252 Resp: 61168
Ion Ratio Lower Upper
252 100
253 56.5 18.4 27.6#
125 203.5 9.6 14.4#





#88

Benzo(k)fluoranthene

Concen: 2.84 ng

RT: 16.40 min Scan# 1287

Delta R.T. 0.05 min

Lab File: BF083390.D

Acq: 1 Dec 2015 23:59

Instrument :

BNA_F

ClientSampleId :

TP3(7-9)

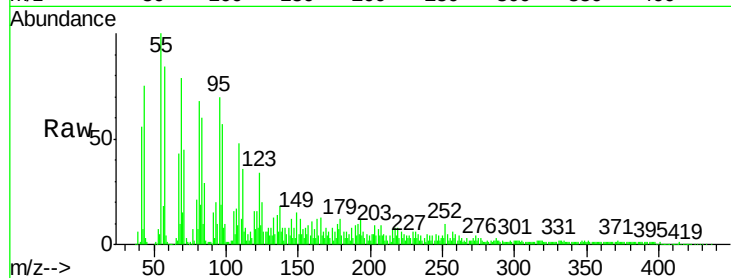
Tgt Ion:252 Resp: 61168

Ion Ratio Lower Upper

252 100

253 56.5 17.4 26.0#

125 203.5 7.5 11.3#



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

