

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078973.D
 Acq On : 6 May 2015 21:19
 Operator : TP/IZ
 Sample : G2035-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-D3.5

Quant Time: May 07 01:12:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	66921	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	288608	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	141878	20.00	ng	0.01
63) Phenanthrene-d10	12.95	188	279915	20.00	ng	0.00
75) Chrysene-d12	16.25	240	302811	20.00	ng	-0.06
86) Perylene-d12	17.99	264	319230	20.00	ng	-0.24

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	574408	147.75	ng	0.01
7) Phenol-d6	6.90	99	739401	143.89	ng	0.01
23) Nitrobenzene-d5	8.04	82	453472	90.30	ng	0.01
41) 2,4,6-Tribromophenol	12.09	330	227491	148.22	ng	0.01
44) 2-Fluorobiphenyl	10.27	172	832840	81.78	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	

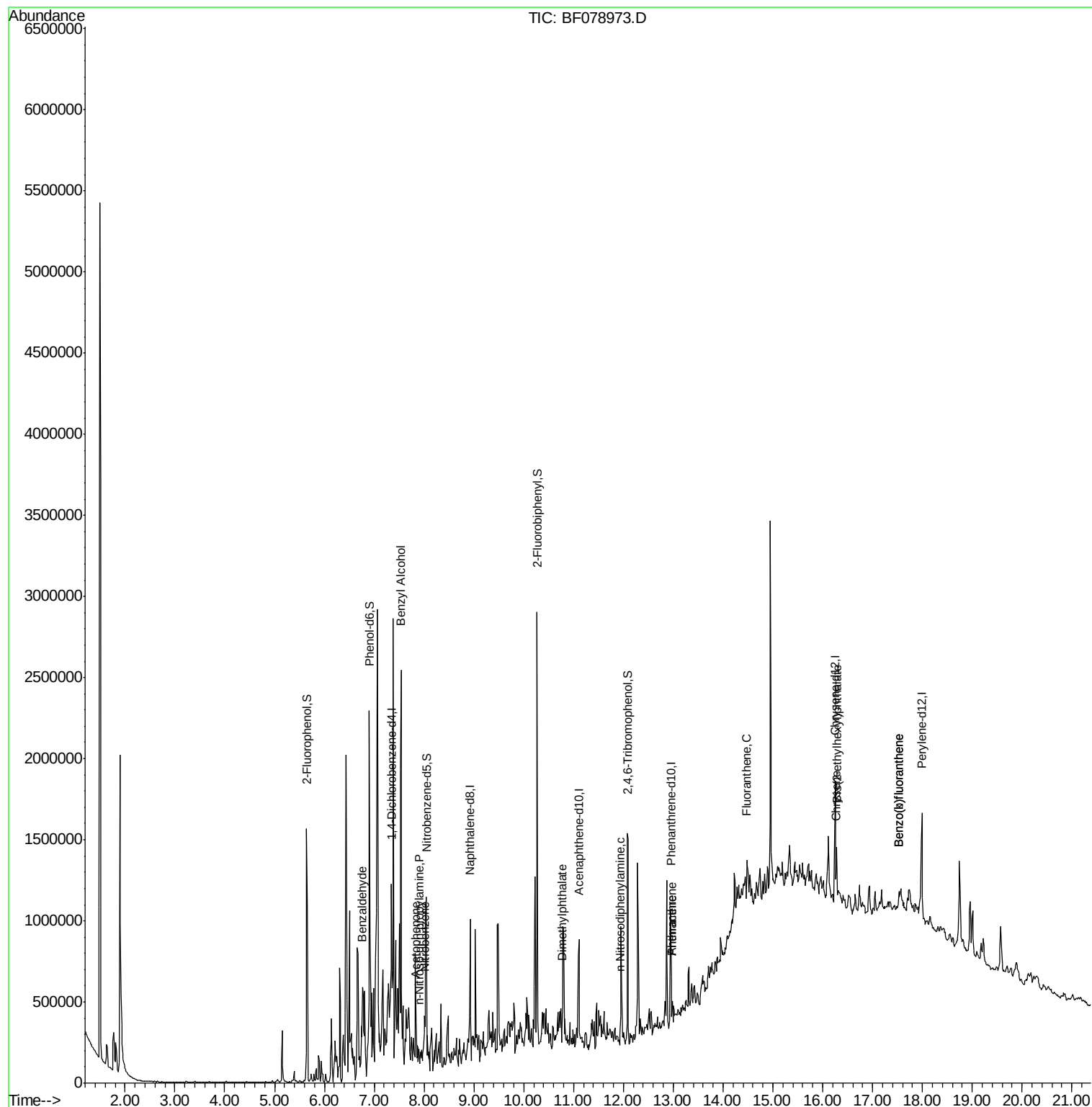
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.76	77	7037	2.03	ng	# 41
15) Benzyl Alcohol	7.54	79	11751	3.08	ng	# 48
19) n-Nitroso-di-n-propylamine	7.90	70	11194	3.23	ng	# 64
22) Acetophenone	7.84	105	20038	3.07	ng	# 58
24) Nitrobenzene	8.01	77	13304	2.67	ng	# 37
49) Dimethylphthalate	10.78	163	41001	3.94	ng	99
65) n-Nitrosodiphenylamine	11.94	169	26482	2.84	ng	# 41
70) Phenanthrene	12.98	178	65449	4.18	ng	97
71) Anthracene	12.98	178	62963	4.10	ng	98
74) Fluoranthene	14.48	202	89850	5.51	ng	98
82) Chrysene	16.27	228	35071	2.20	ng	# 91
83) Bis(2-ethylhexyl)phthalate	16.29	149	104603	9.05	ng	100
87) Benzo(b)fluoranthene	17.53	252	38990	2.23	ng	# 58
88) Benzo(k)fluoranthene	17.53	252	58750	3.47	ng	# 59

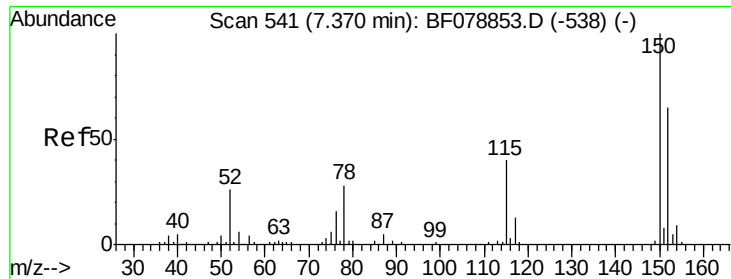
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

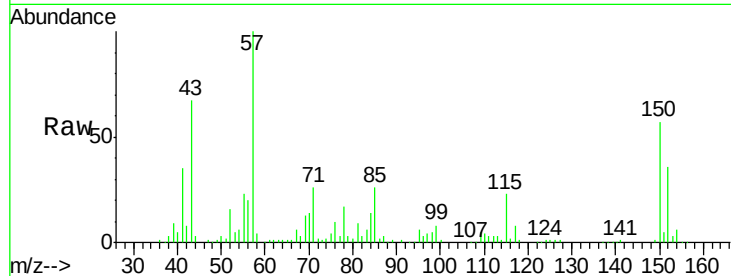
Tgt Ion:152 Resp: 66921

Ion Ratio Lower Upper

152 100

150 157.2 122.0 183.0

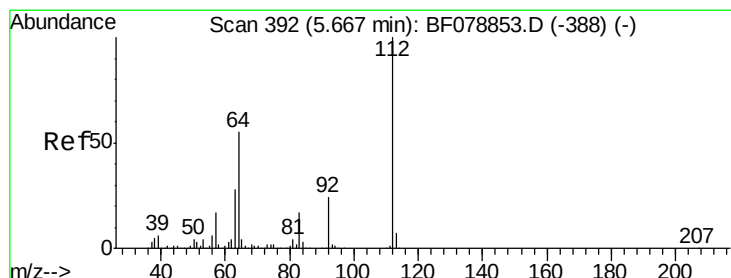
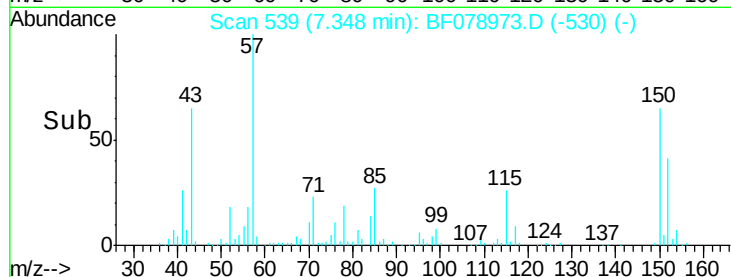
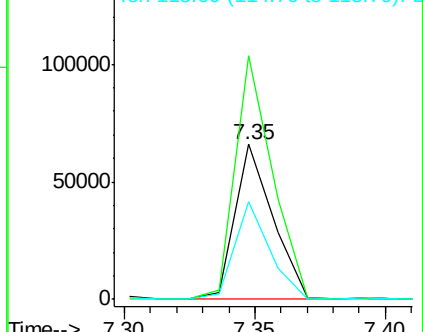
115 63.3 46.3 69.5



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: 147.75 ng

RT: 5.64 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

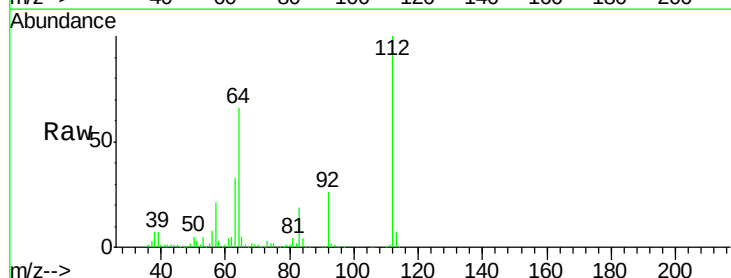
Tgt Ion:112 Resp: 574408

Ion Ratio Lower Upper

112 100

64 66.2 53.5 80.3

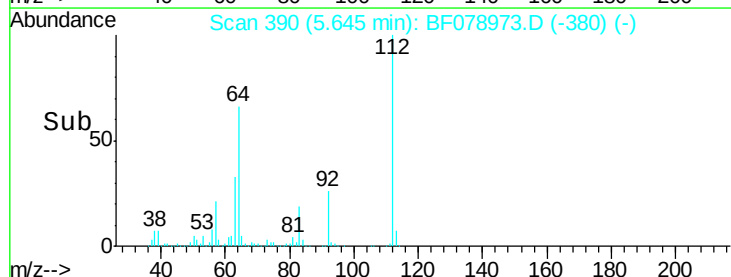
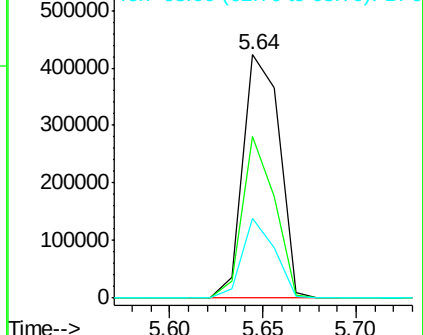
63 32.9 27.5 41.3

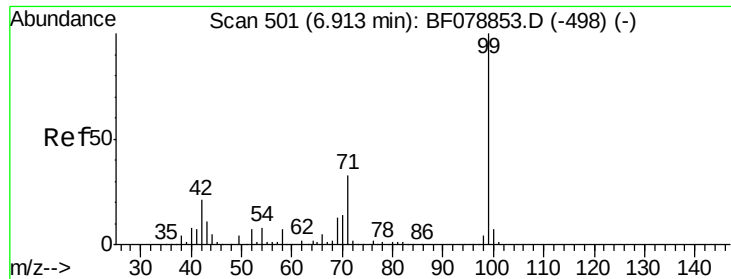


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.89 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

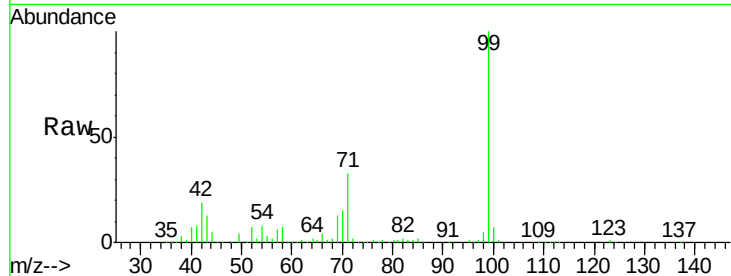
Tgt Ion: 99 Resp: 739401

Ion Ratio Lower Upper

99 100

42 19.0 12.8 19.2

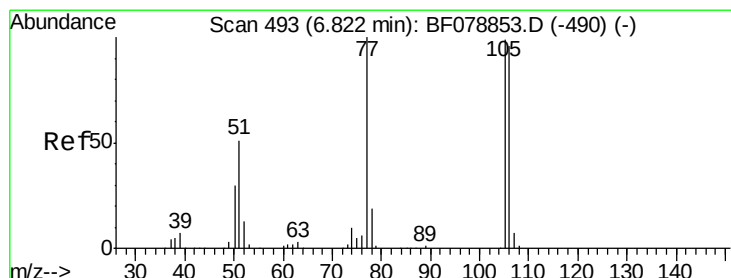
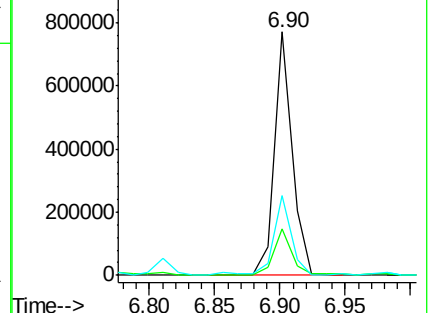
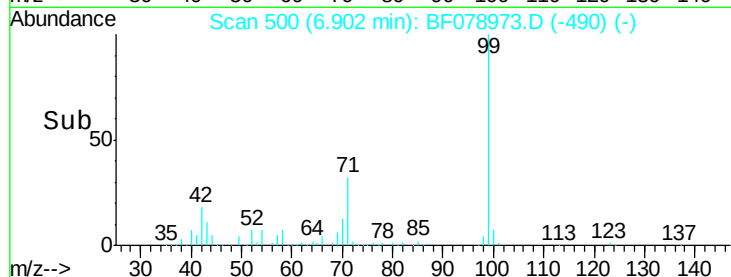
71 32.8 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.03 ng

RT: 6.76 min Scan# 488

Delta R.T. -0.03 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

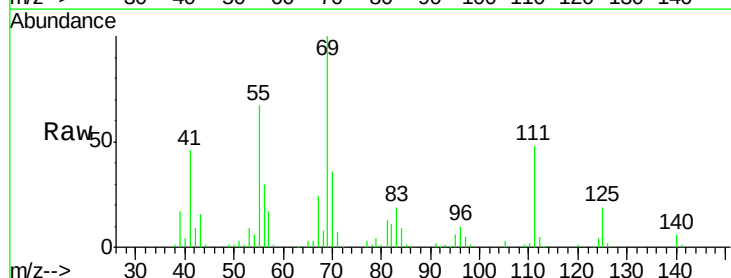
Tgt Ion: 77 Resp: 7037

Ion Ratio Lower Upper

77 100

105 81.5 81.7 121.7#

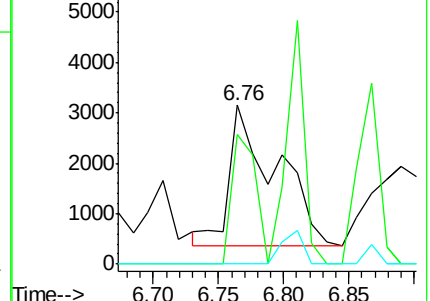
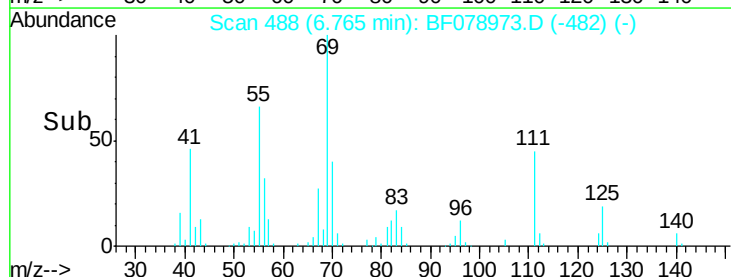
106 0.0 79.0 119.0#

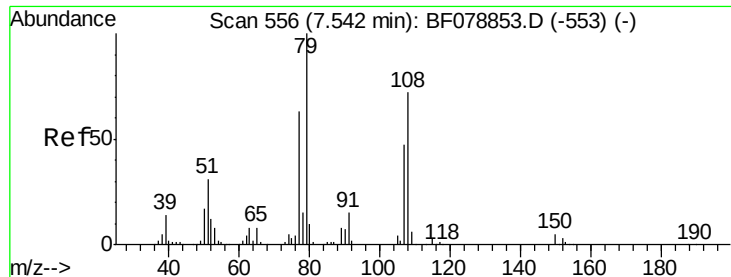


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.08 ng

RT: 7.54 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampled :

TP-11-D3.5

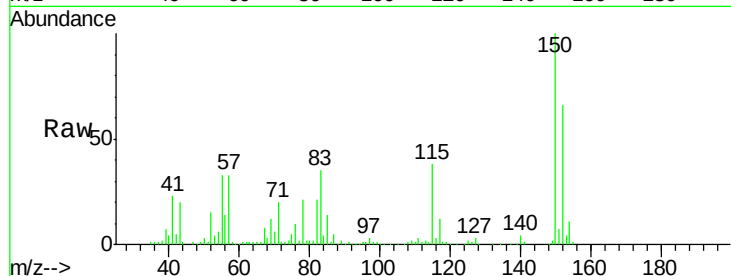
Tgt Ion: 79 Resp: 11751

Ion Ratio Lower Upper

79 100

108 23.2 62.5 93.7#

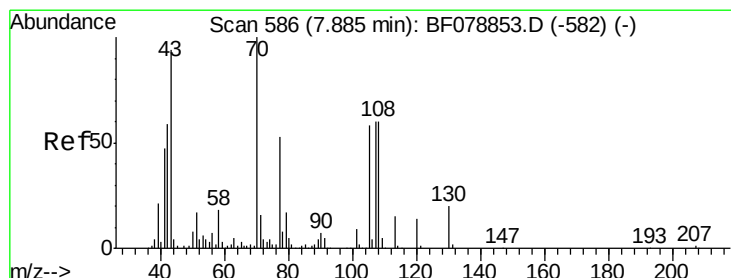
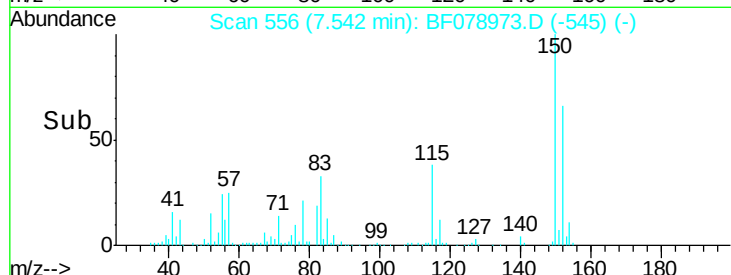
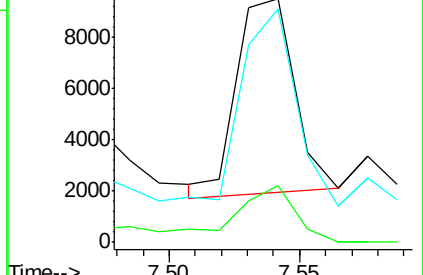
77 96.1 52.2 78.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.23 ng

RT: 7.90 min Scan# 587

Delta R.T. 0.03 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Tgt Ion: 70 Resp: 11194

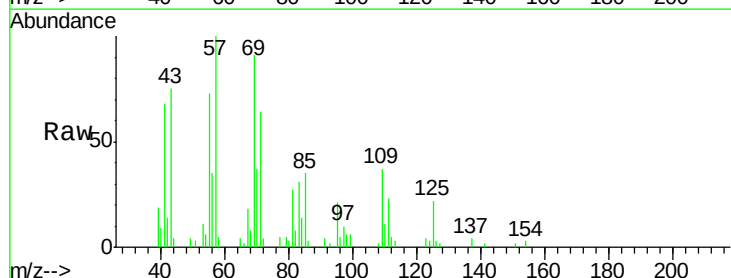
Ion Ratio Lower Upper

70 100

42 39.0 55.4 83.0#

101 0.0 6.6 10.0#

130 0.0 11.9 17.9#

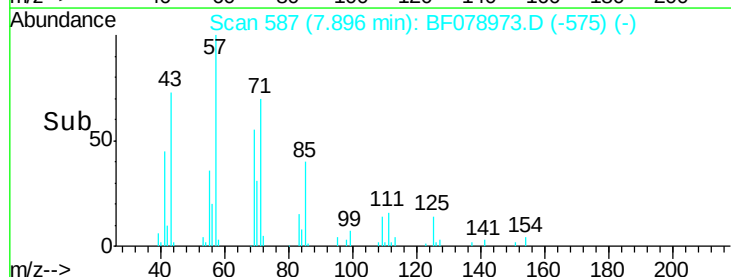
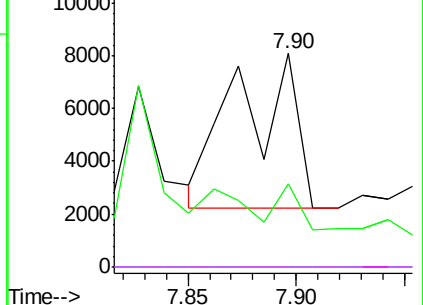


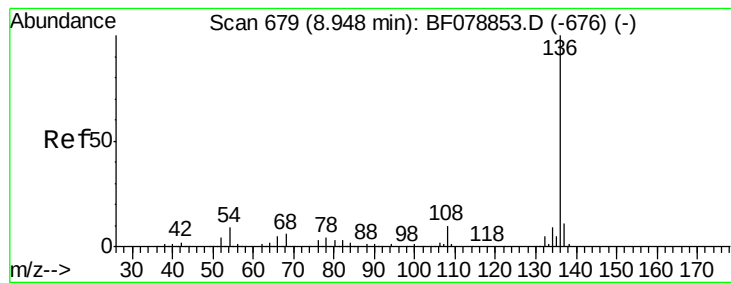
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

Tgt Ion:136 Resp: 288608

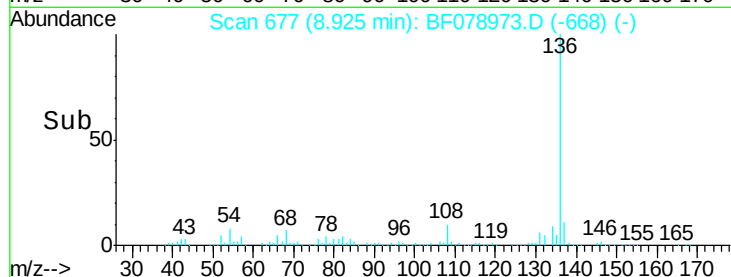
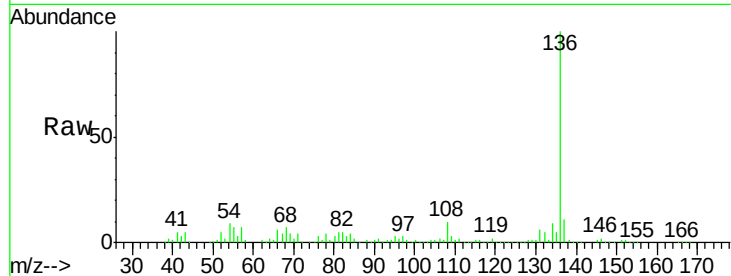
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.9 5.8 8.8#

68 7.3 4.2 6.4#

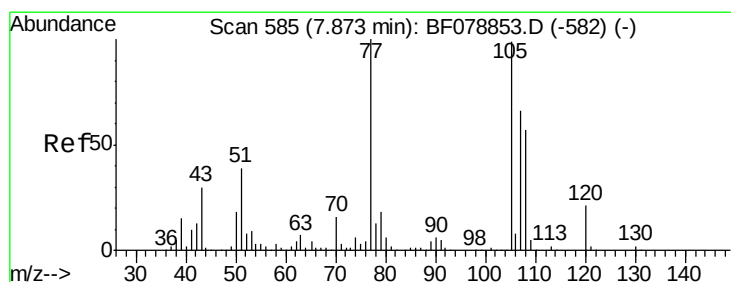
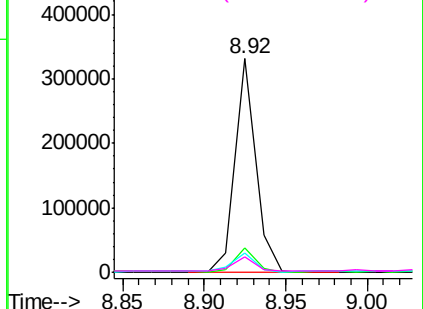


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 3.07 ng

RT: 7.84 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Tgt Ion:105 Resp: 20038

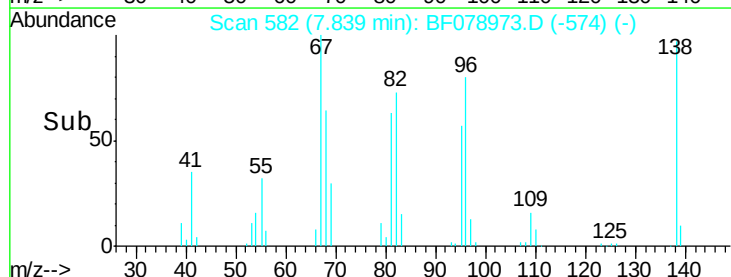
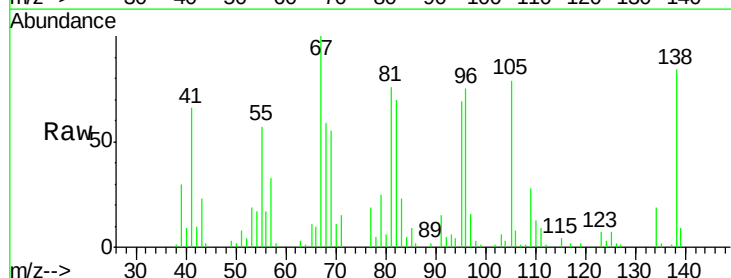
Ion Ratio Lower Upper

105 100

71 18.7 4.6 6.8#

51 10.7 26.7 40.1#

120 0.0 17.4 26.0#

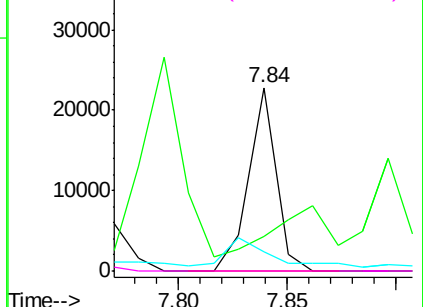


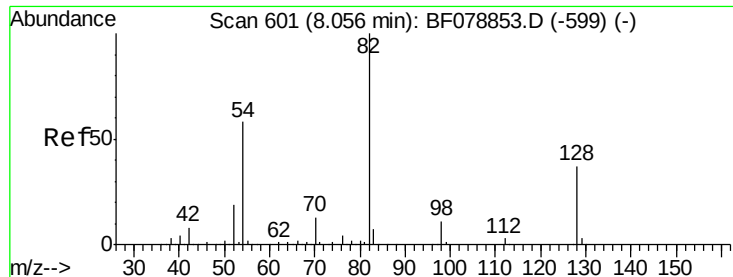
Abundance Ion 105.00 (104.70 to 105.70): E

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

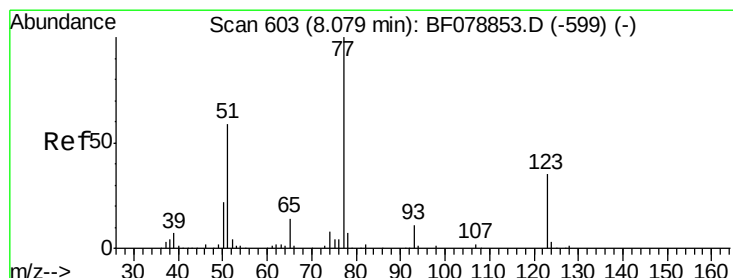
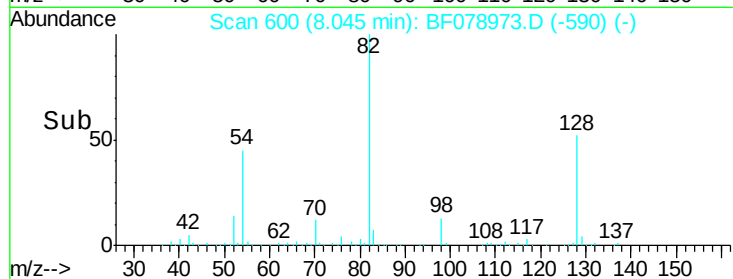
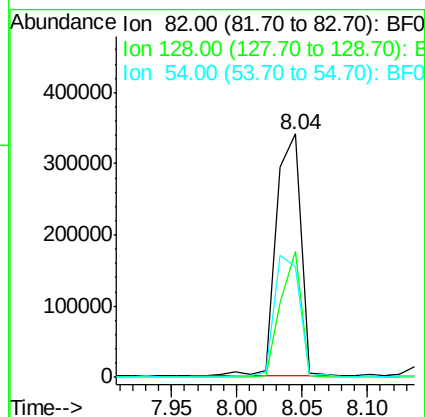
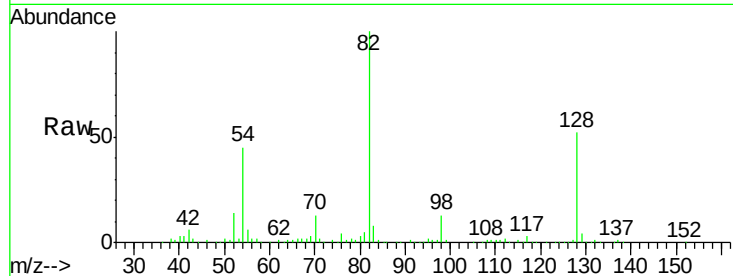




#23
 Nitrobenzene-d5
 Concen: 90.30 ng
 RT: 8.04 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: BF078973.D
 Acq: 6 May 2015 21:19

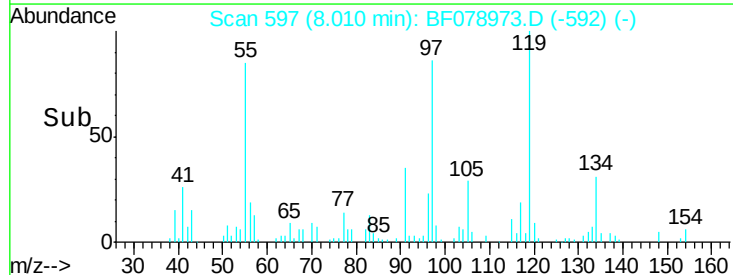
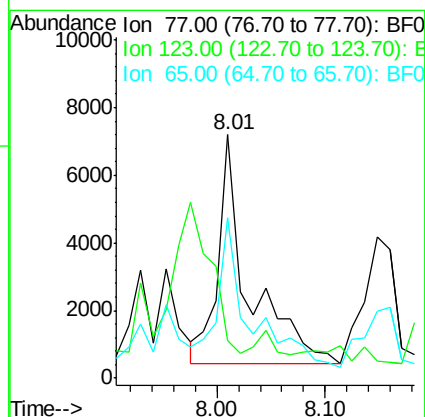
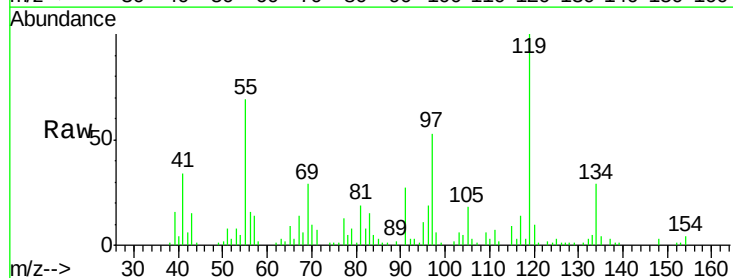
Instrument :
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 TP-11-D3.5

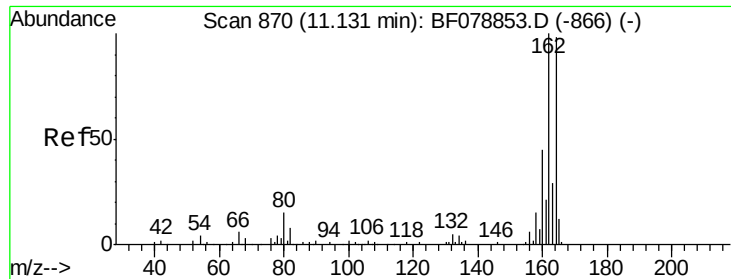
Tgt Ion: 82 Resp: 453472
 Ion Ratio Lower Upper
 82 100
 128 51.9 30.0 45.0#
 54 45.5 46.4 69.6#



#24
 Nitrobenzene
 Concen: 2.67 ng
 RT: 8.01 min Scan# 597
 Delta R.T. -0.05 min
 Lab File: BF078973.D
 Acq: 6 May 2015 21:19

Tgt Ion: 77 Resp: 13304
 Ion Ratio Lower Upper
 77 100
 123 15.2 31.8 47.8#
 65 65.7 10.6 15.8#

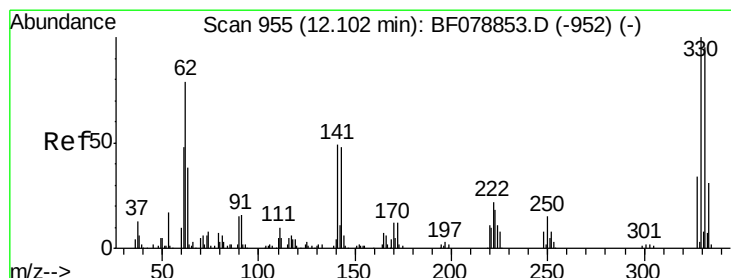
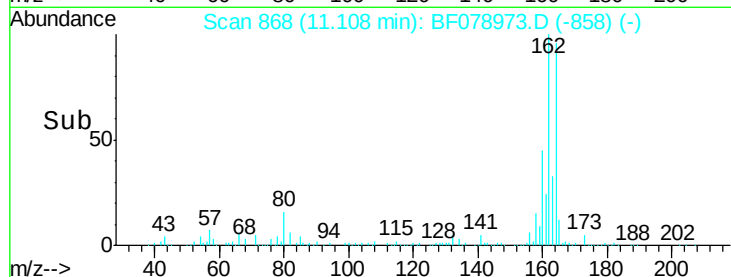
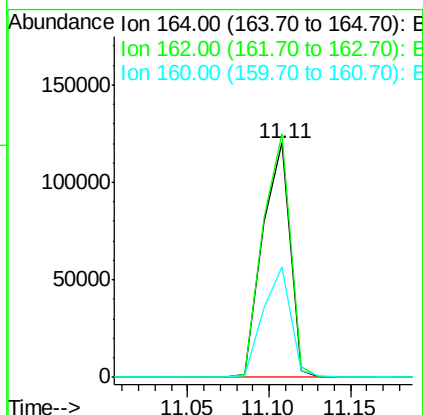
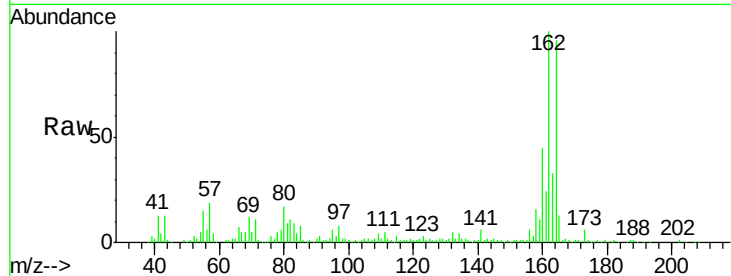




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 868
Delta R.T. 0.01 min
Lab File: BF078973.D
Acq: 6 May 2015 21:19

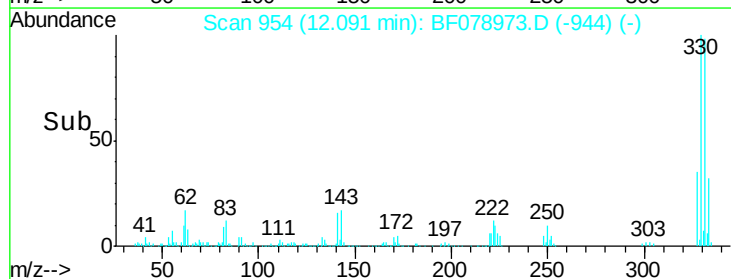
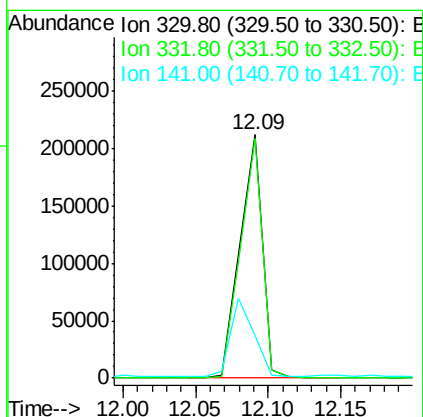
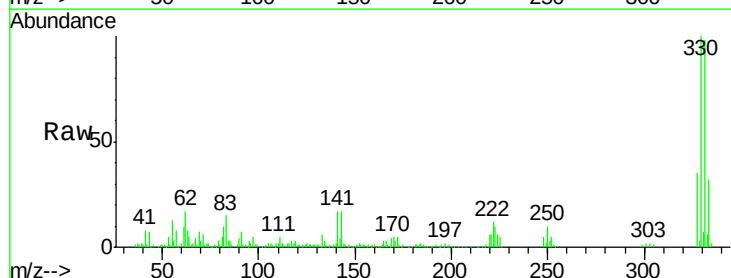
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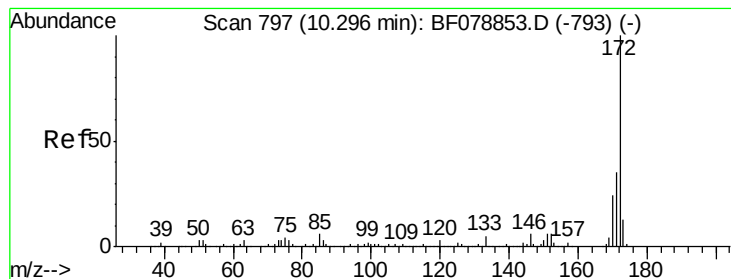
Tgt Ion:164 Resp: 141878
Ion Ratio Lower Upper
164 100
162 103.9 82.7 124.1
160 47.0 35.8 53.8



#41
2,4,6-Tribromophenol
Concen: 148.22 ng
RT: 12.09 min Scan# 954
Delta R.T. 0.01 min
Lab File: BF078973.D
Acq: 6 May 2015 21:19

Tgt Ion:330 Resp: 227491
Ion Ratio Lower Upper
330 100
332 96.5 0.0 0.0#
141 33.3 0.0 0.0#





#44

2-Fluorobiphenyl

Concen: 81.78 ng

RT: 10.27 min Scan# 795

Delta R.T. 0.00 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

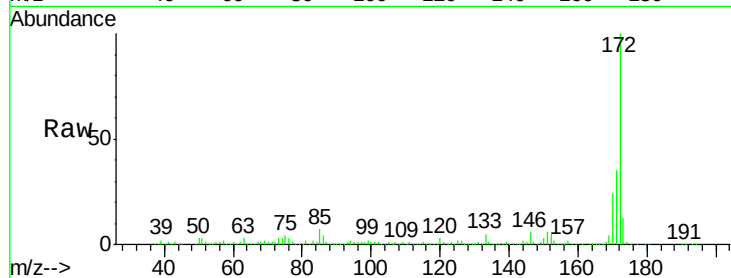
Tgt Ion:172 Resp: 832840

Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

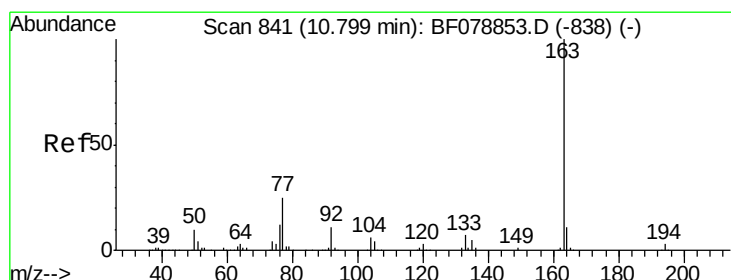
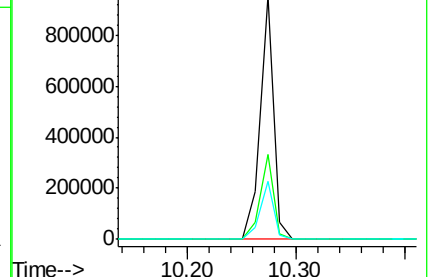
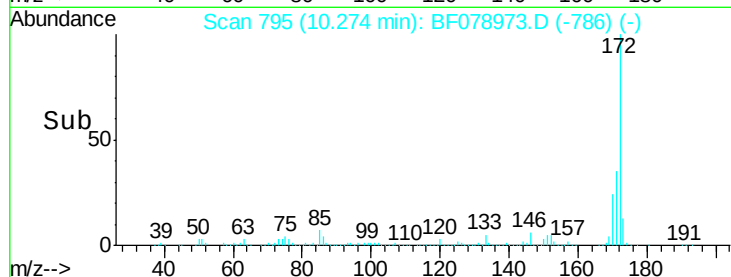
170 24.0 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 3.94 ng

RT: 10.78 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

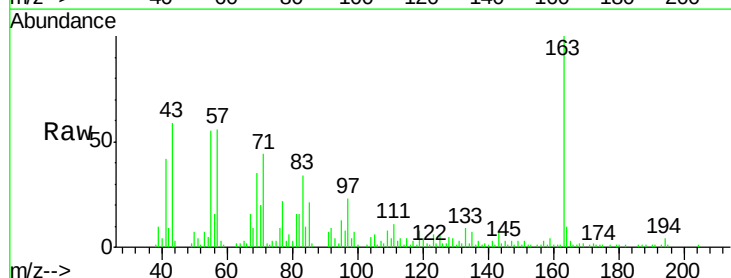
Tgt Ion:163 Resp: 41001

Ion Ratio Lower Upper

163 100

194 3.9 2.6 4.0

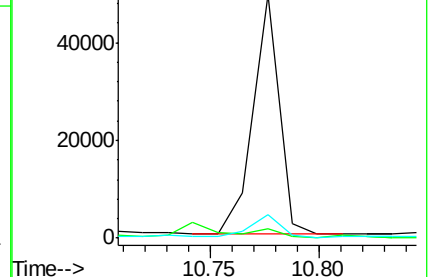
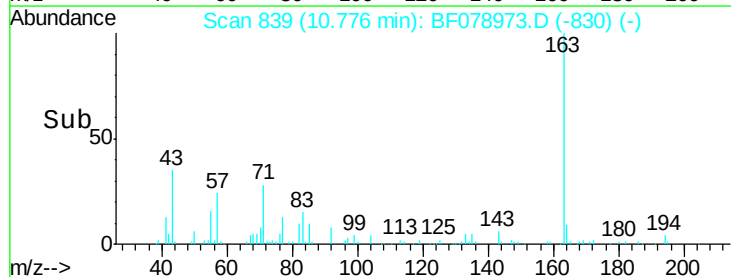
164 9.7 8.1 12.1

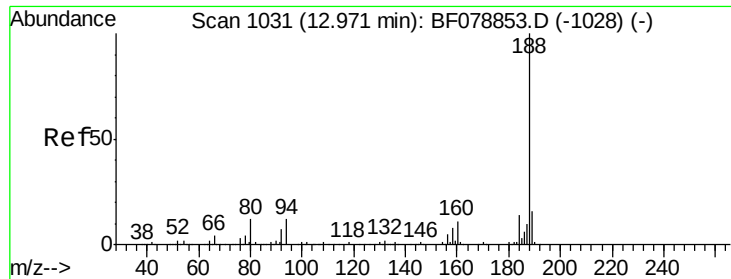


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

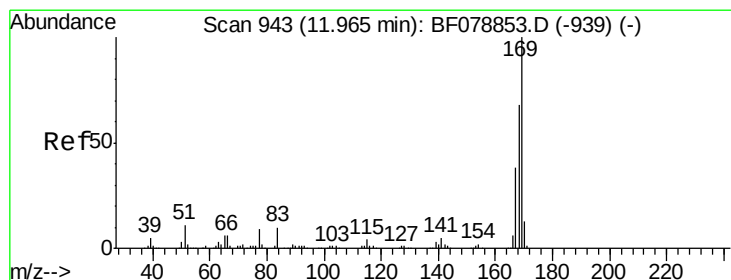
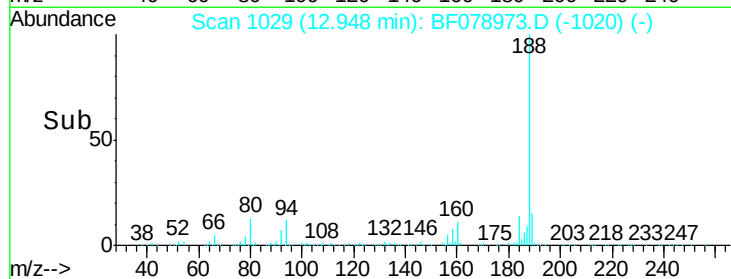
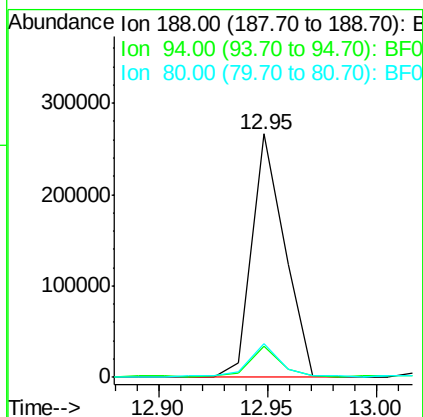
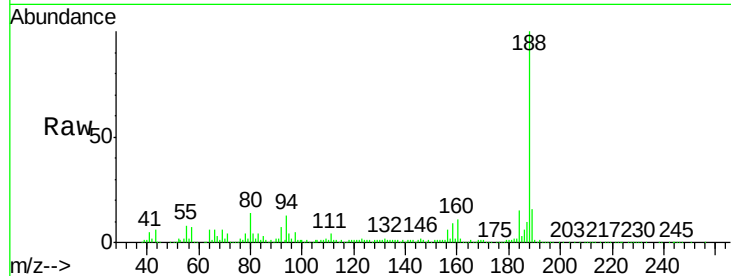




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF078973.D
Acq: 6 May 2015 21:19

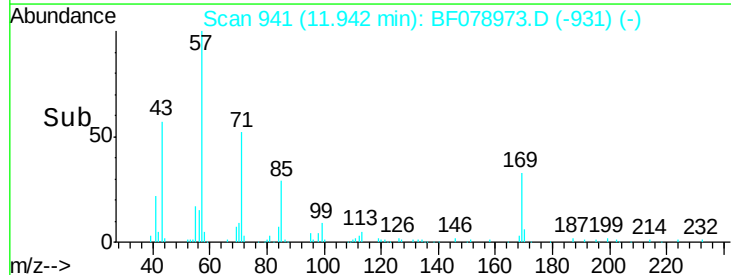
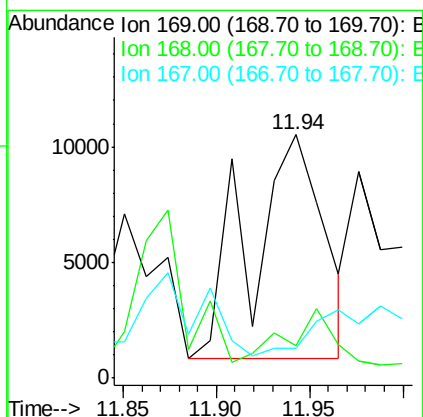
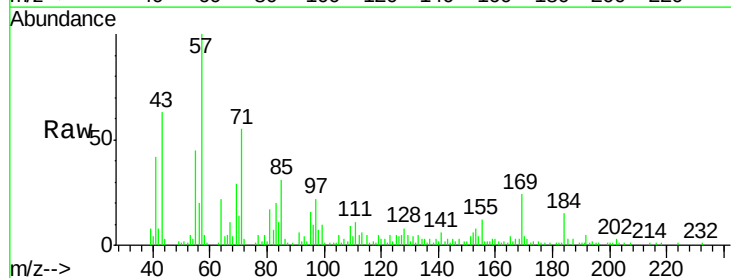
Instrument :
BNA_F
ClientSampleId :
TP-11-D3.5

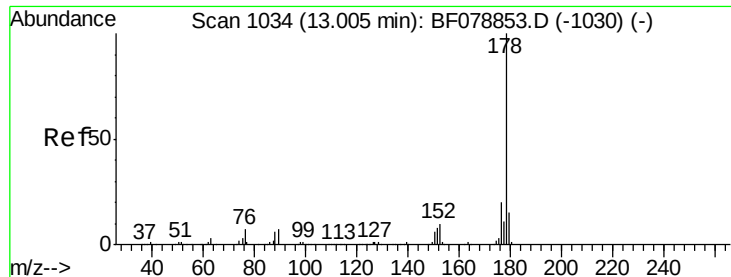
Tgt Ion:188 Resp: 279915
Ion Ratio Lower Upper
188 100
94 12.7 8.2 12.2#
80 13.8 8.9 13.3#



#65
n-Nitrosodiphenylamine
Concen: 2.84 ng
RT: 11.94 min Scan# 941
Delta R.T. 0.01 min
Lab File: BF078973.D
Acq: 6 May 2015 21:19

Tgt Ion:169 Resp: 26482
Ion Ratio Lower Upper
169 100
168 13.3 54.6 82.0#
167 12.3 30.6 45.8#





#70

Phenanthrene

Concen: 4.18 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

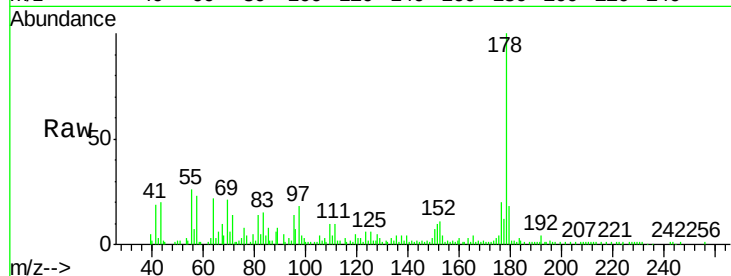
Tgt Ion:178 Resp: 65449

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

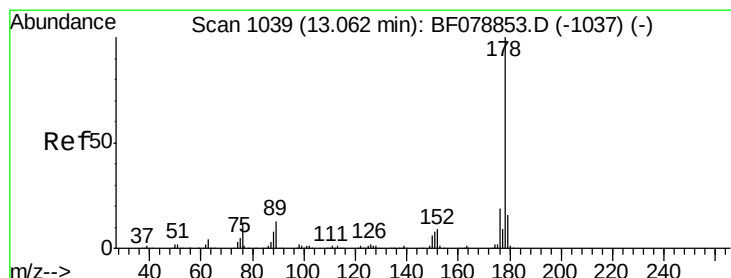
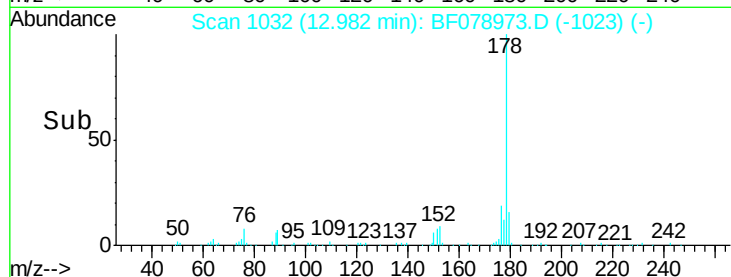
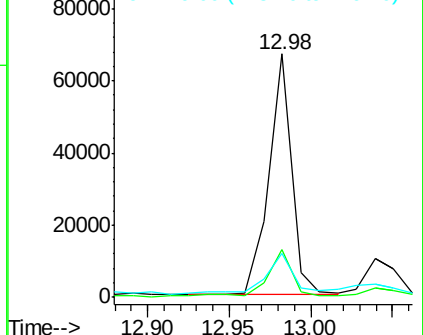
179 17.8 12.5 18.7



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: 4.10 ng

RT: 12.98 min Scan# 1032

Delta R.T. -0.06 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

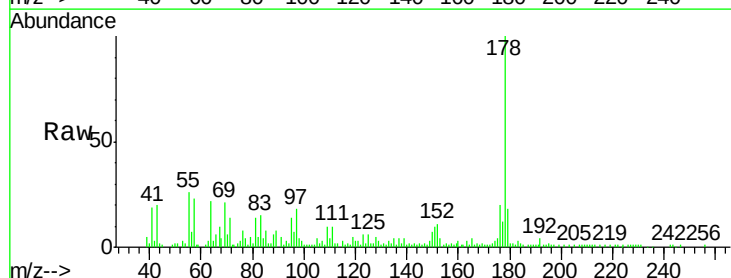
Tgt Ion:178 Resp: 62963

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

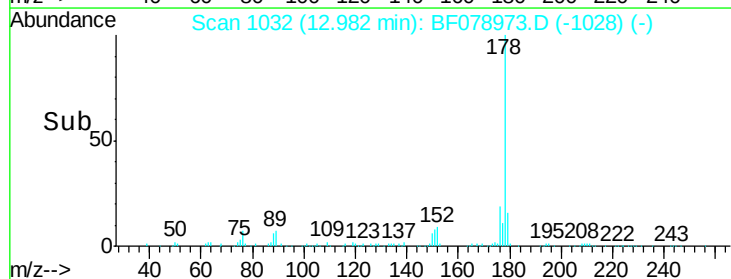
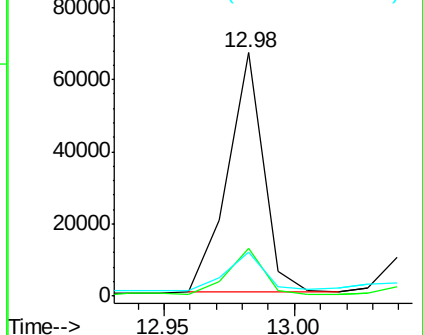
179 17.8 12.7 19.1

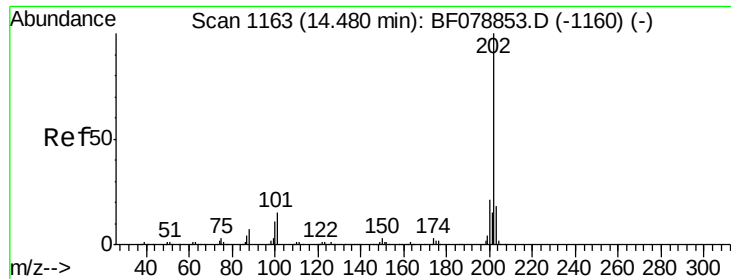


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.51 ng

RT: 14.48 min Scan# 1163

Delta R.T. 0.02 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

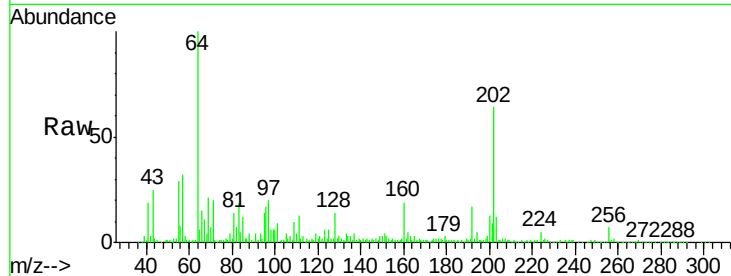
Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

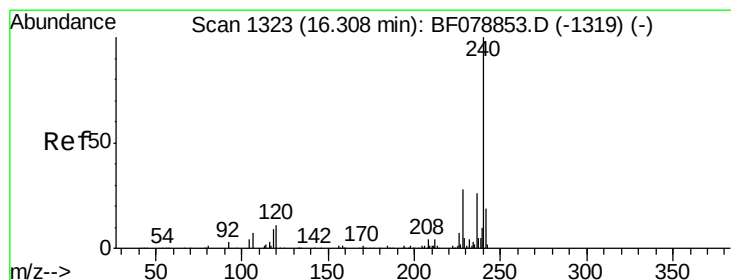
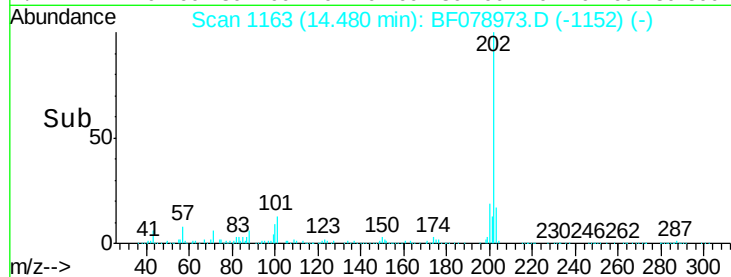
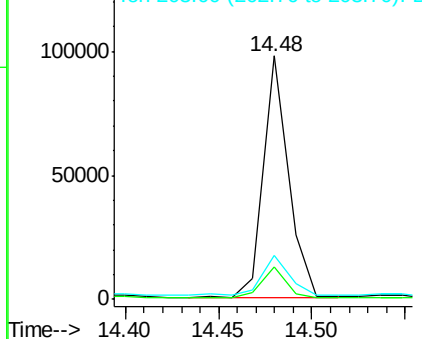
Tgt Ion:	202	Resp:	89850
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.6
203	18.2	0.0	38.4



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

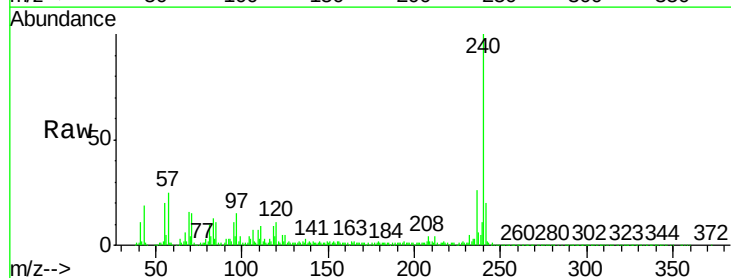
RT: 16.25 min Scan# 1318

Delta R.T. -0.06 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

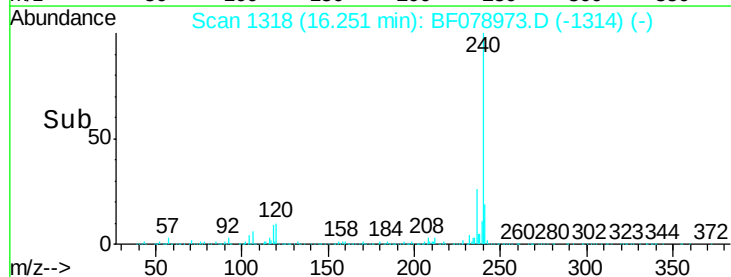
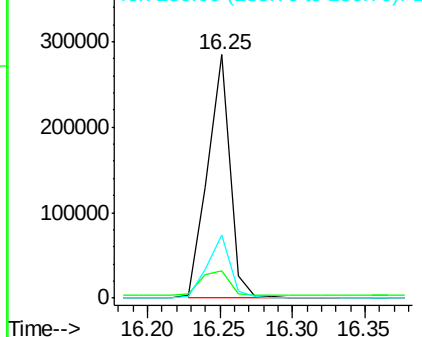
Tgt Ion:	240	Resp:	302811
Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.7	14.5
236	26.1	20.2	30.4

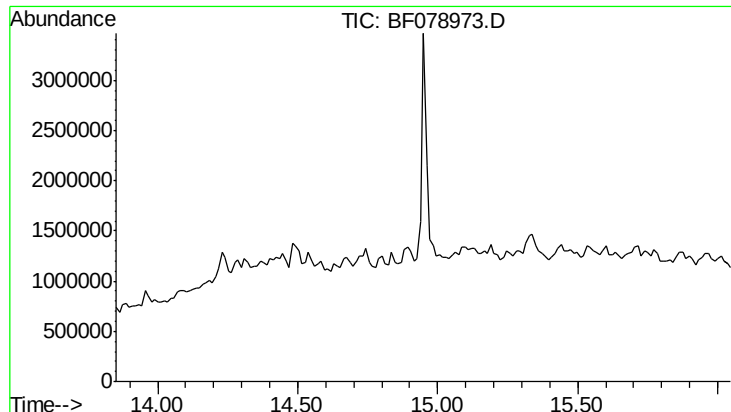


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



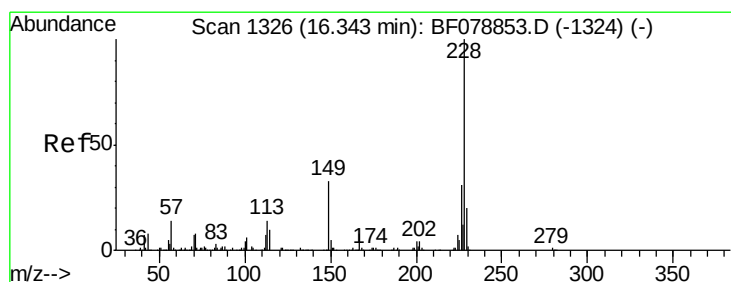
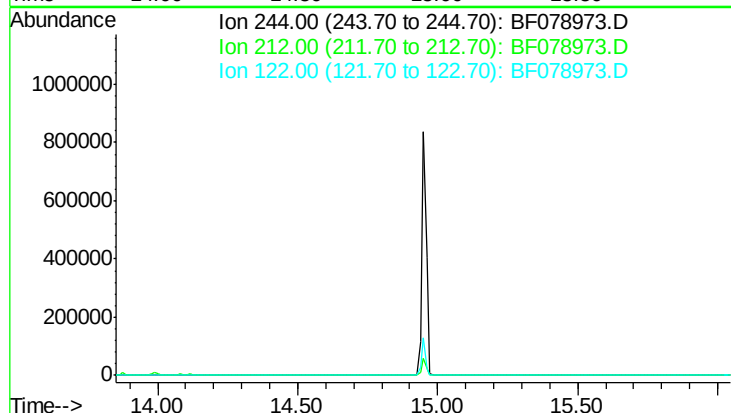


#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.95 min
 Lab File: BF078973.D
 Acq: 6 May 2015 21:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-D3.5

Tgt Ion: 244

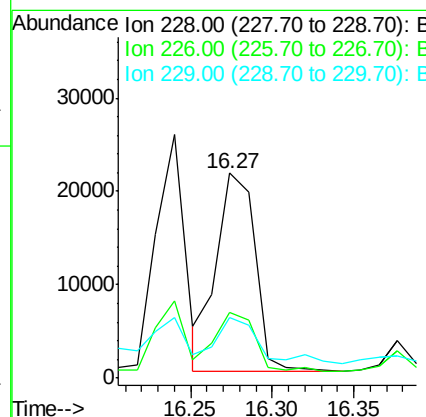
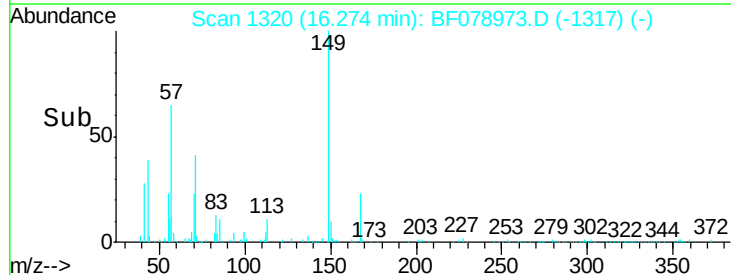
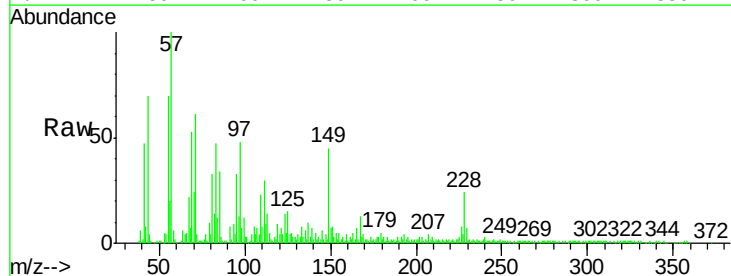
Sig	Exp Ratio
244	100
212	7.0
122	12.9

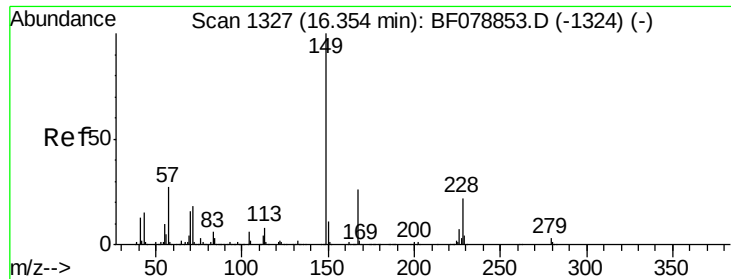


#82
 Chrysene
 Concen: 2.20 ng
 RT: 16.27 min Scan# 1320
 Delta R.T. -0.07 min
 Lab File: BF078973.D
 Acq: 6 May 2015 21:19

Tgt Ion: 228 Resp: 35071

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	29.6	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 9.05 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.07 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

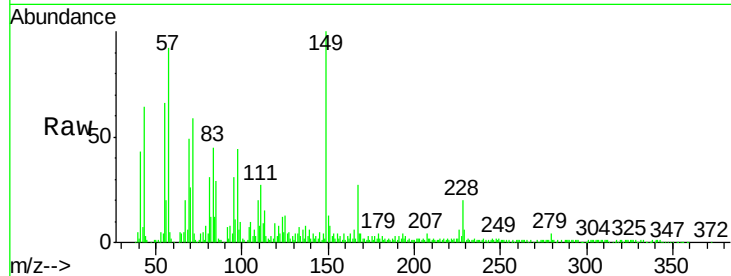
Tgt Ion:149 Resp: 104603

Ion Ratio Lower Upper

149 100

167 27.4 21.8 32.8

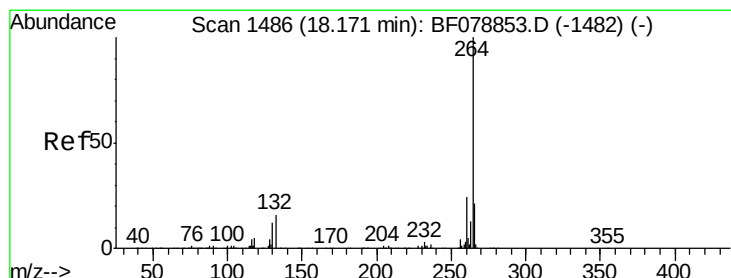
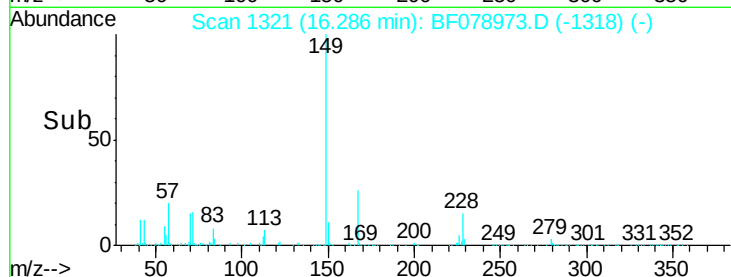
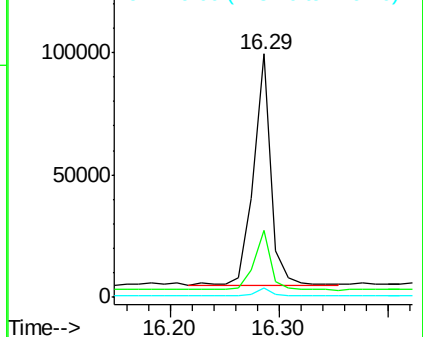
279 3.8 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.99 min Scan# 1470

Delta R.T. -0.24 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

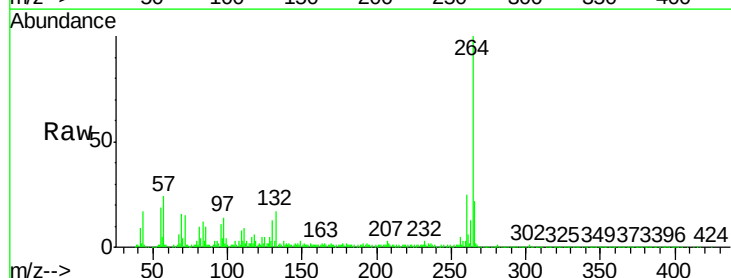
Tgt Ion:264 Resp: 319230

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

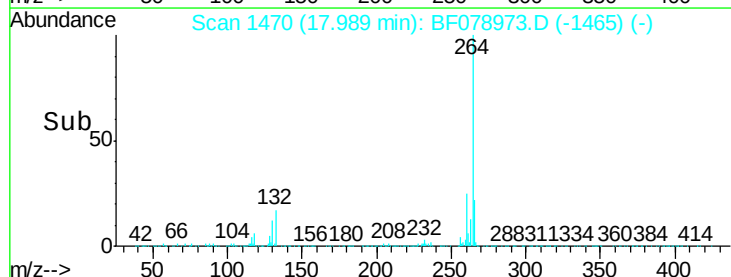
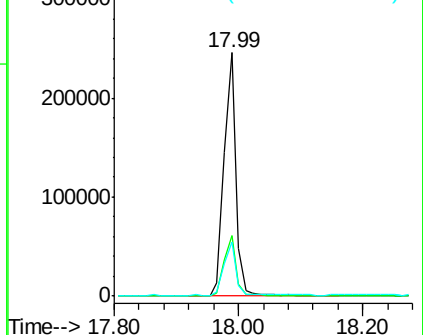
265 22.1 18.3 27.5

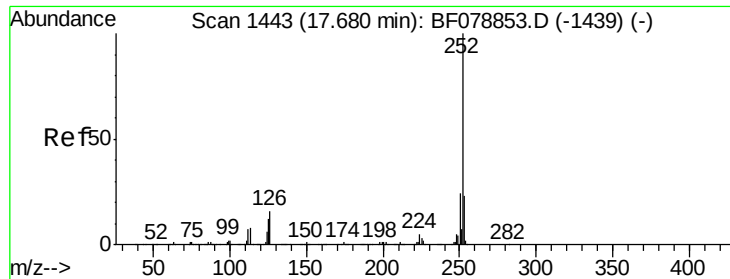


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.23 ng

RT: 17.53 min Scan# 1430

Delta R.T. -0.19 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

Instrument :

BNA_F

ClientSampleId :

TP-11-D3.5

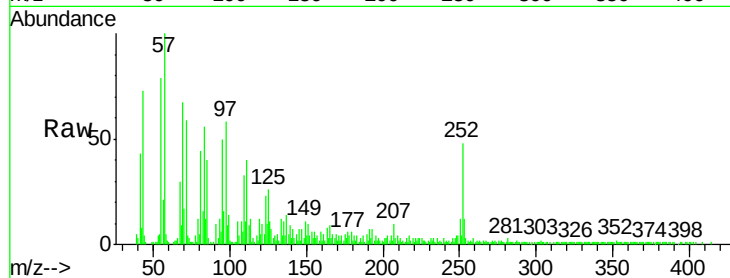
Tgt Ion:252 Resp: 38990

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

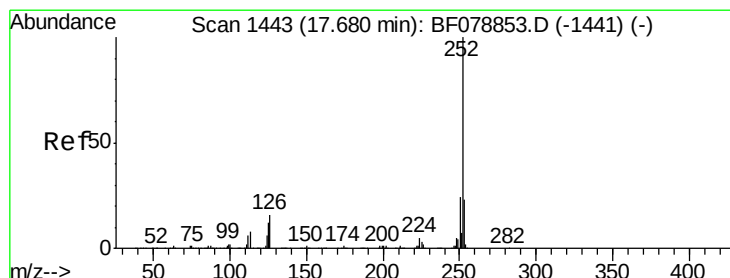
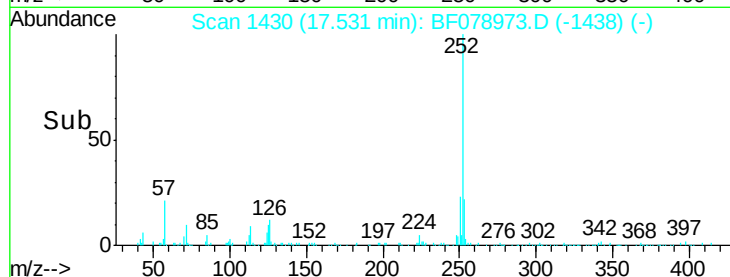
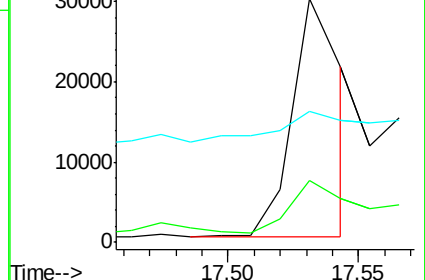
125 54.0 9.5 14.3#



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



#88

Benzo(k)fluoranthene

Concen: 3.47 ng

RT: 17.53 min Scan# 1430

Delta R.T. -0.23 min

Lab File: BF078973.D

Acq: 6 May 2015 21:19

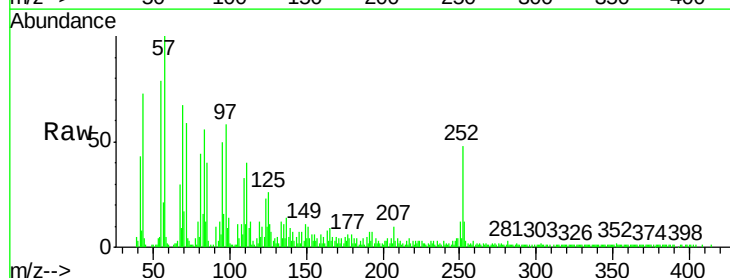
Tgt Ion:252 Resp: 58750

Ion Ratio Lower Upper

252 100

253 25.3 18.1 27.1

125 54.0 10.0 15.0#



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

