

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
 Data File : BF086281.D
 Acq On : 18 Apr 2016 14:51
 Operator : UM/SJ
 Sample : H2099-10DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1DL

Quant Time: Apr 19 00:48:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	315354	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	984927	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	447297	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	784693	20.00	ng	0.00
75) Chrysene-d12	14.04	240	535239	20.00	ng	-0.01
86) Perylene-d12	15.48	264	564522	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	158776	8.25	ng	-0.01
7) Phenol-d6	6.50	99	226483	9.41	ng	-0.02
23) Nitrobenzene-d5	7.45	82	160786	9.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	29166	8.12	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	196872	8.12	ng	-0.01
78) Terphenyl-d14	12.99	244	133529	6.27	ng	-0.01

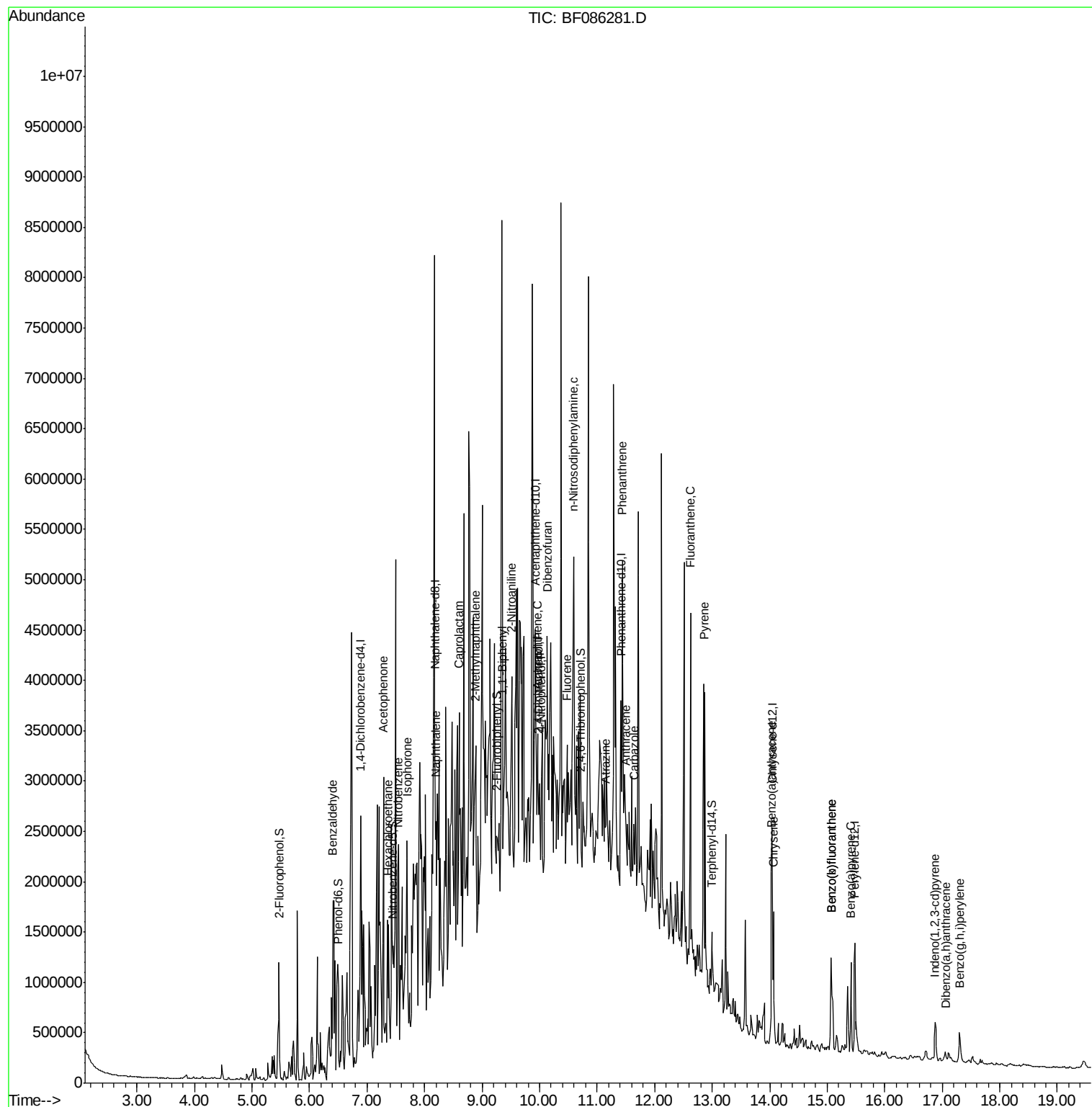
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.41	77	75577	4.42	ng	# 1
18) Hexachloroethane	7.36	117	70390	8.48	ng	# 1
22) Acetophenone	7.29	105	434735	20.46	ng	# 53
24) Nitrobenzene	7.54	77	86202	4.62	ng	# 33
25) Isophorone	7.70	82	93709	2.77	ng	# 1
31) Naphthalene	8.20	128	431495	9.81	ng	# 90
35) Caprolactam	8.60	113	59891	13.23	ng	# 1
37) 2-Methylnaphthalene	8.89	142	601646	21.16	ng	# 97
45) 1,1'-Biphenyl	9.36	154	119962	3.73	ng	# 96
47) 2-Nitroaniline	9.52	65	25705	3.02	ng	# 46
51) Acenaphthene	9.96	154	202953	8.12	ng	# 95
53) 2,4-Dinitrophenol	9.97	184	404	4.45	ng	# 1
54) Dibenzofuran	10.13	168	191855	5.81	ng	# 70
55) 4-Nitrophenol	10.03	139	30838	4.51	ng	# 51
57) Fluorene	10.48	166	260190	8.54	ng	# 95
60) 4-Chlorophenyl-phenylether	10.42	204	6727	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.59	169	176386	7.34	ng	# 60
68) Atrazine	11.14	200	31150	4.23	ng	# 78
70) Phenanthrene	11.44	178	1825871	48.72	ng	# 99
71) Anthracene	11.49	178	392612	7.80	ng	# 97
72) Carbazole	11.64	167	250489	7.03	ng	# 93
74) Fluoranthene	12.63	202	1434058	44.38	ng	# 99
77) Pyrene	12.85	202	1343660	32.72	ng	# 99
80) Benzo(a)anthracene	14.03	228	635740	21.64	ng	# 99
82) Chrysene	14.07	228	461742	14.74	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.88	276	259507	10.08	ng	# 96
87) Benzo(b)fluoranthene	15.07	252	798196	22.92	ng	# 97
88) Benzo(k)fluoranthene	15.07	252	798196	25.13	ng	# 94
89) Benzo(a)pyrene	15.41	252	439257	14.56	ng	# 96
90) Dibenzo(a,h)anthracene	17.06	278	58438	2.19	ng	# 94
91) Benzo(g,h,i)perylene	17.30	276	236651	8.35	ng	# 92

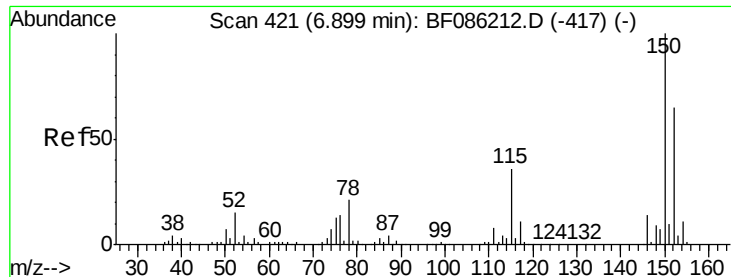
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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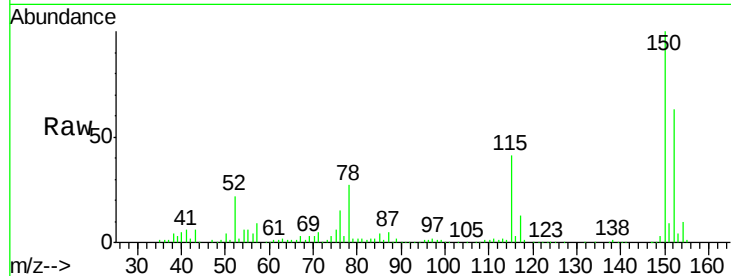




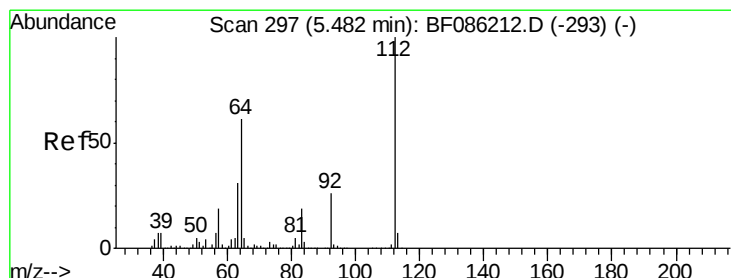
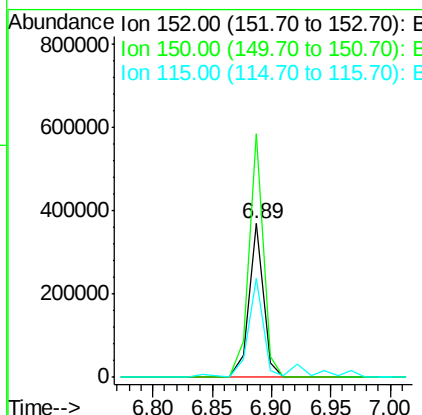
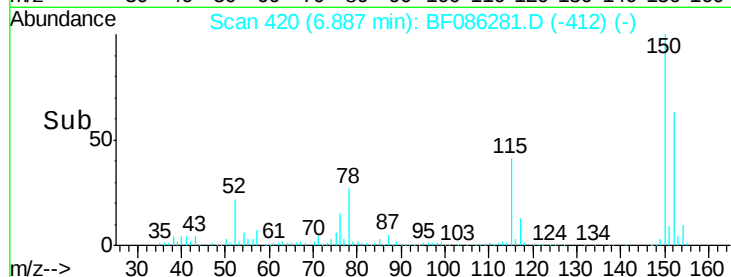
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF086281.D
 Acq: 18 Apr 2016 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1DL

Tgt Ion:152 Resp: 315354
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.1 186.1
 115 64.7 43.9 65.9

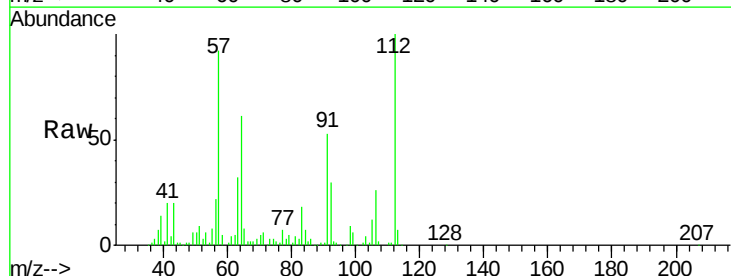


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

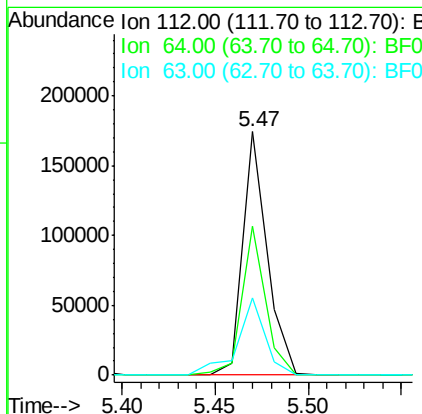
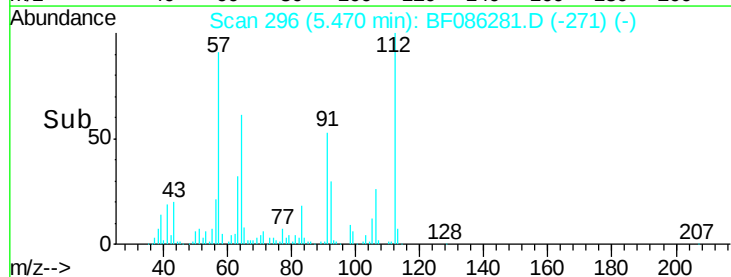


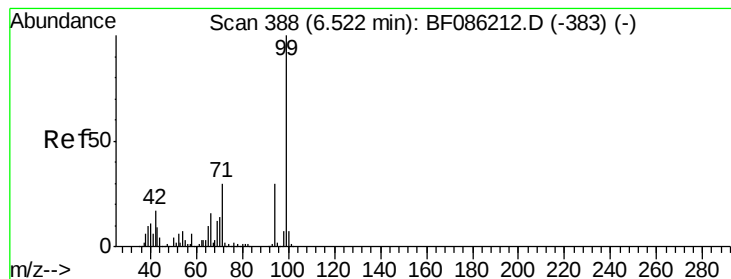
#5
 2-Fluorophenol
 Concen: 8.25 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF086281.D
 Acq: 18 Apr 2016 14:51

Tgt Ion:112 Resp: 158776
 Ion Ratio Lower Upper
 112 100
 64 61.2 48.1 72.1
 63 32.0 25.5 38.3



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: 9.41 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

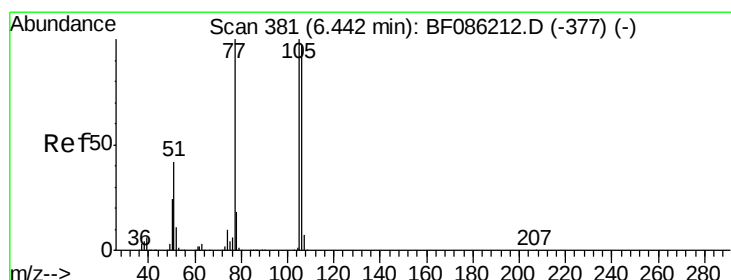
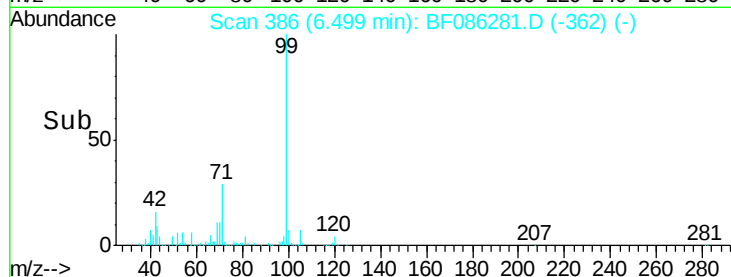
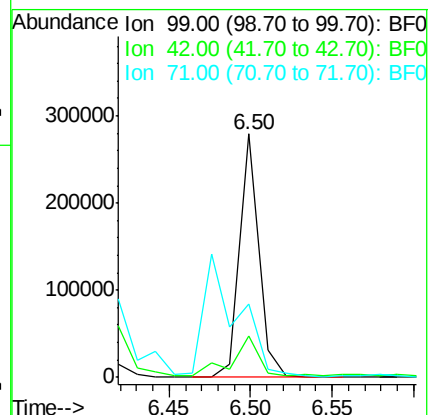
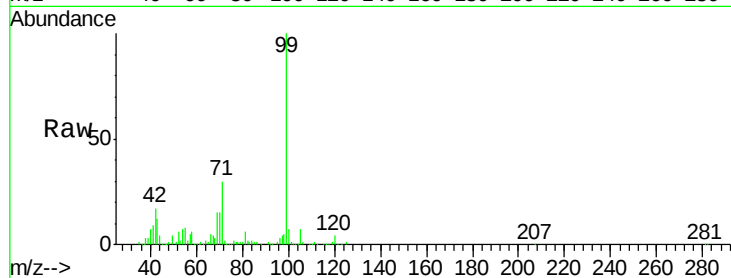
Tgt Ion: 99 Resp: 226483

Ion Ratio Lower Upper

99 100

42 17.0 15.4 23.2

71 29.9 25.6 38.4



#9

Benzaldehyde

Concen: 4.42 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

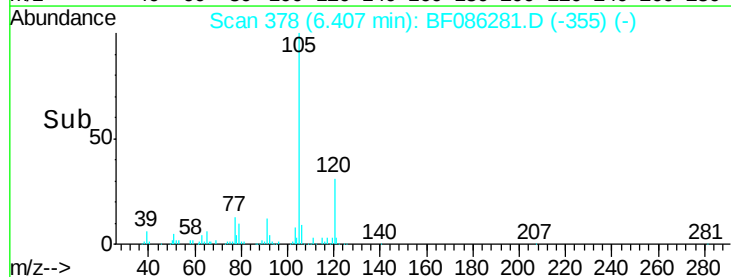
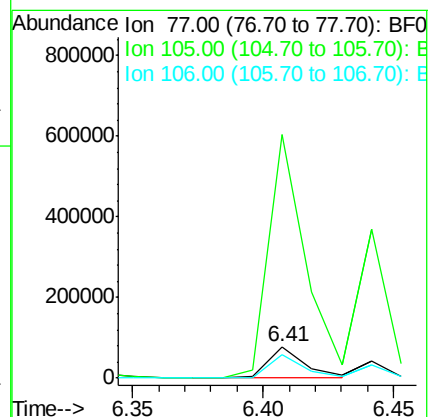
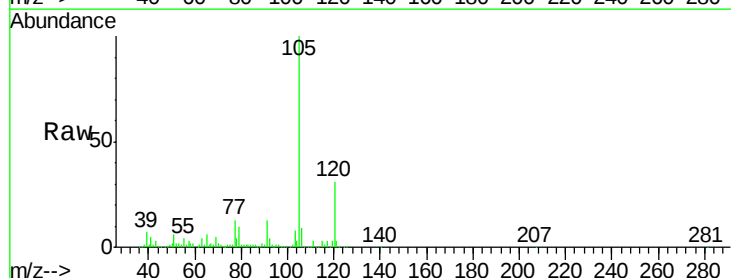
Tgt Ion: 77 Resp: 75577

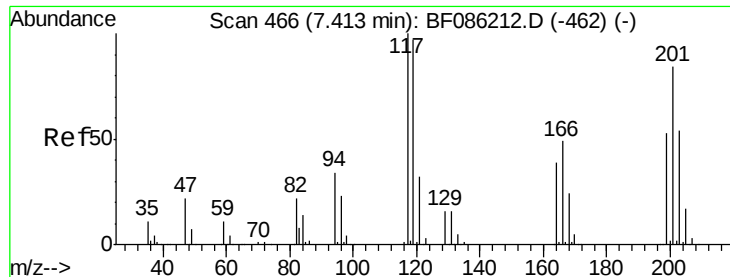
Ion Ratio Lower Upper

77 100

105 768.9 84.6 124.6#

106 72.8 78.6 118.6#





#18

Hexachloroethane

Concen: 8.48 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.06 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

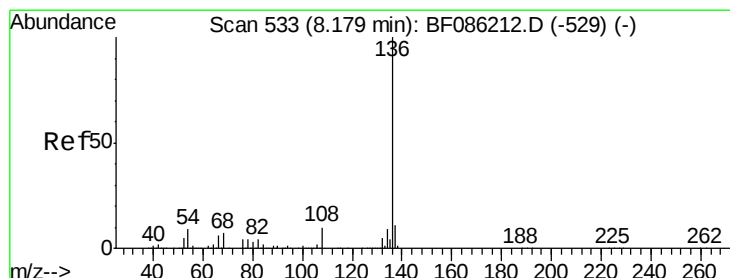
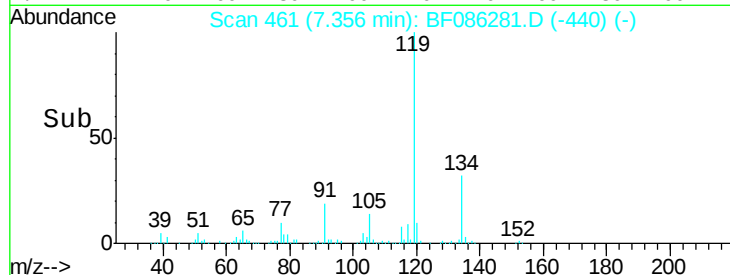
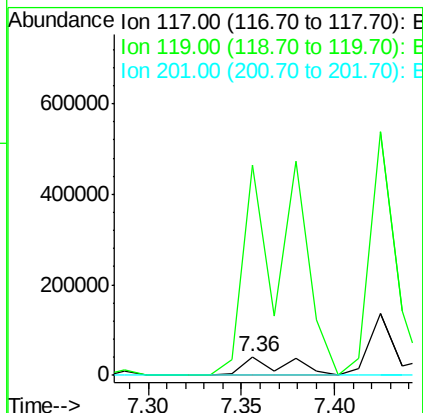
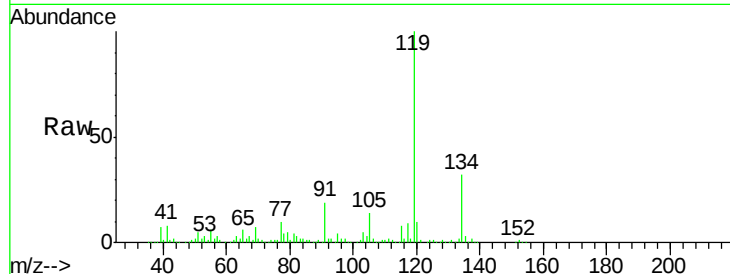
Tgt Ion:117 Resp: 70390

Ion Ratio Lower Upper

117 100

119 1110.9 78.2 117.4#

201 0.0 75.7 113.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Tgt Ion:136 Resp: 984927

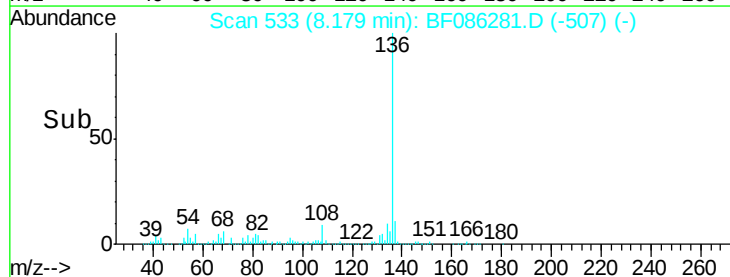
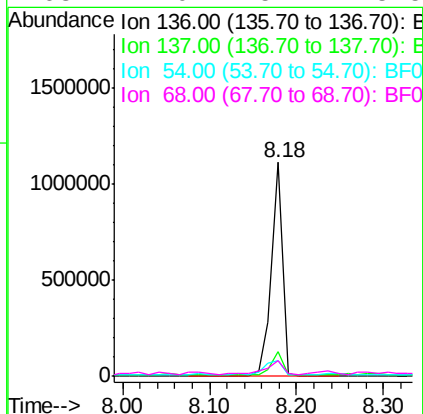
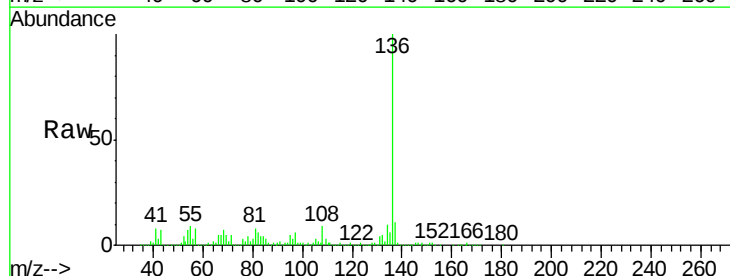
Ion Ratio Lower Upper

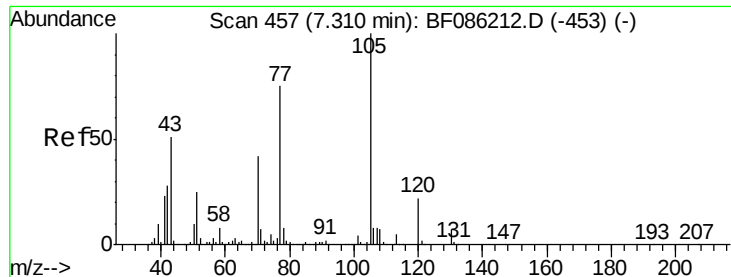
136 100

137 11.1 9.1 13.7

54 7.5 7.3 10.9

68 7.0 5.7 8.5





#22

Acetophenone

Concen: 20.46 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

Tgt Ion: 105 Resp: 434735

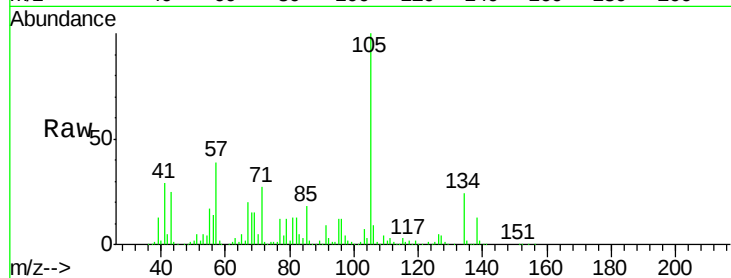
Ion Ratio Lower Upper

105 100

71 26.9 4.0 6.0#

51 4.6 22.0 33.0#

120 0.2 17.5 26.3#

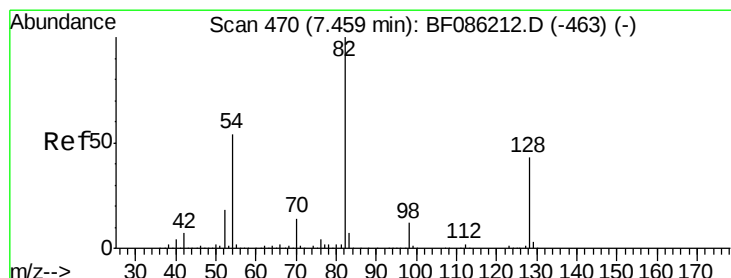
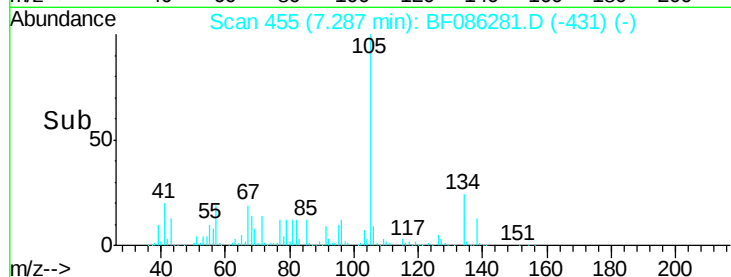
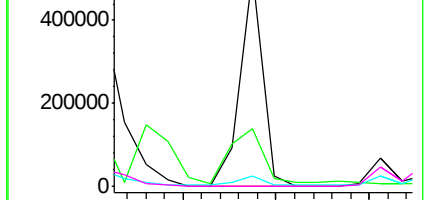


Abundance Ion 105.00 (104.70 to 105.70): E

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: 9.42 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

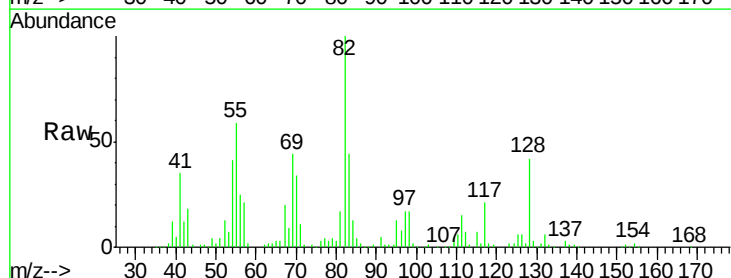
Tgt Ion: 82 Resp: 160786

Ion Ratio Lower Upper

82 100

128 41.8 35.4 53.2

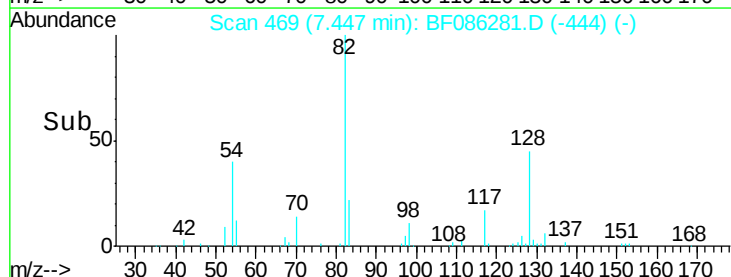
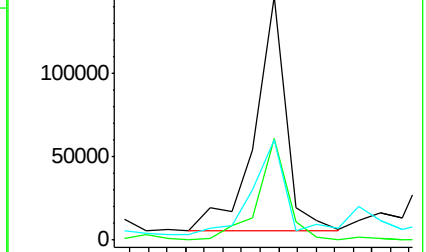
54 41.2 43.4 65.0#

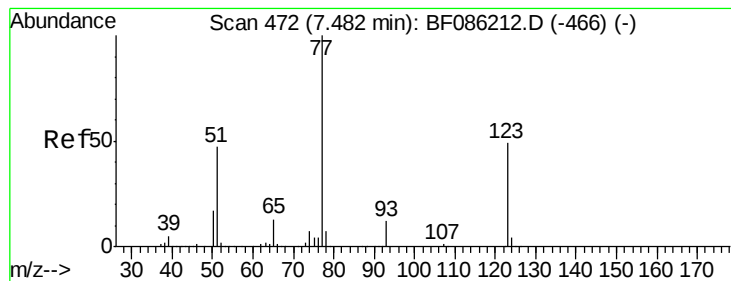


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 4.62 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.06 min

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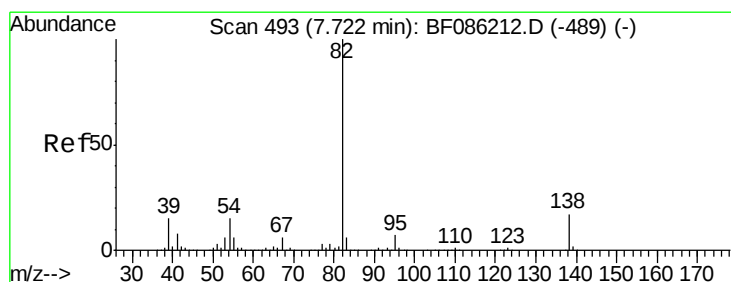
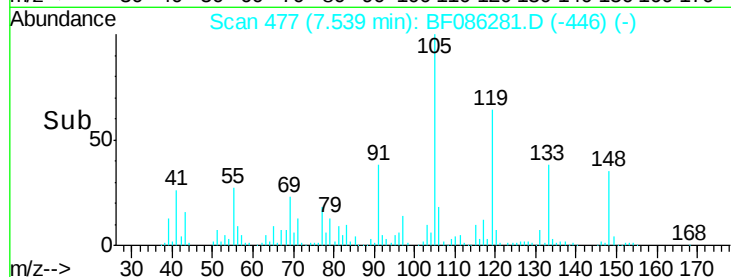
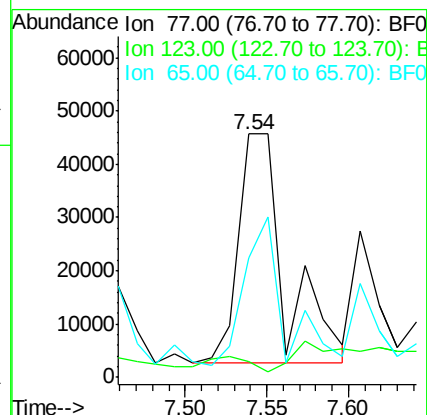
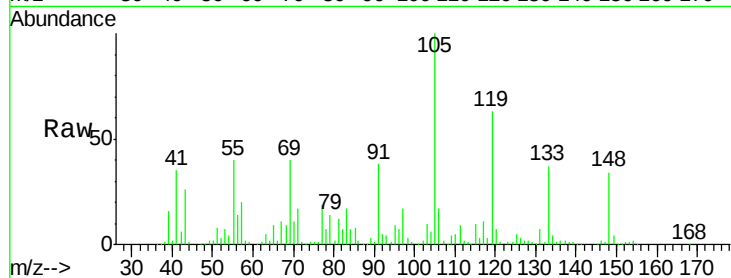
Tgt Ion: 77 Resp: 86202

Ion Ratio Lower Upper

77 100

123 6.5 38.3 57.5#

65 49.2 11.3 16.9#



#25

Isophorone

Concen: 2.77 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.02 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

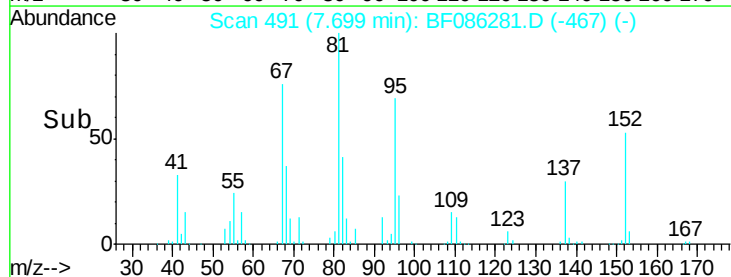
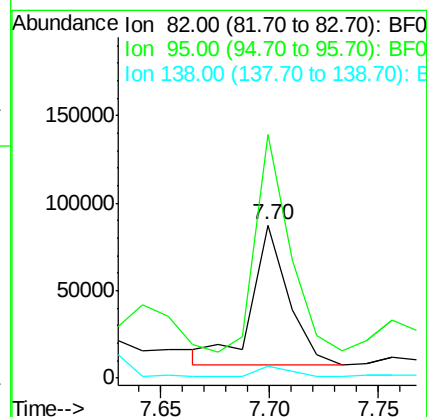
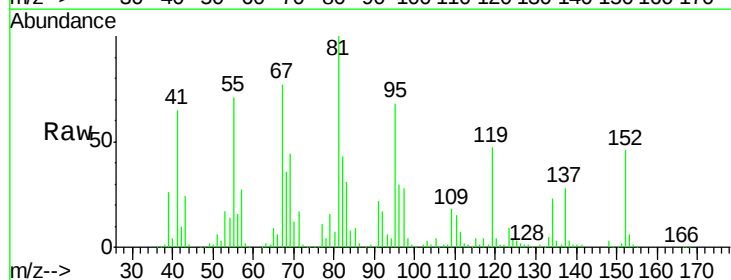
Tgt Ion: 82 Resp: 93709

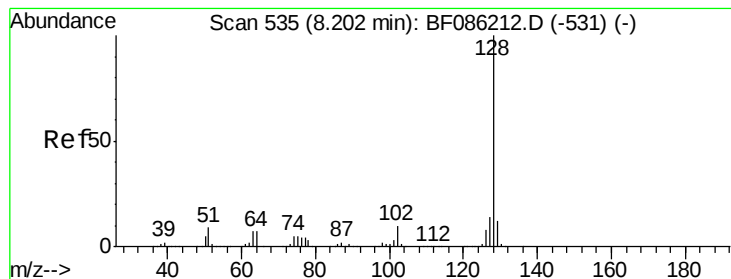
Ion Ratio Lower Upper

82 100

95 158.9 5.4 8.2#

138 7.7 13.4 20.2#





#31

Naphthalene

Concen: 9.81 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

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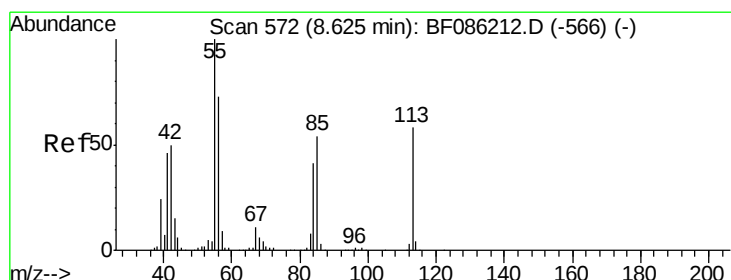
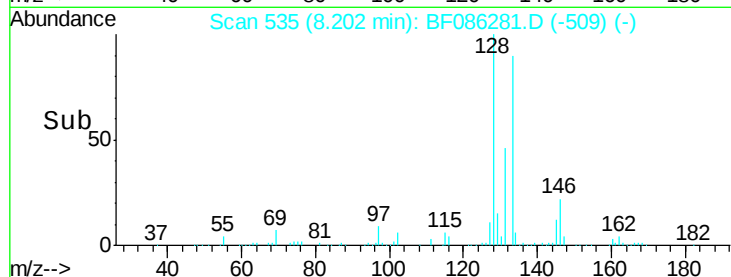
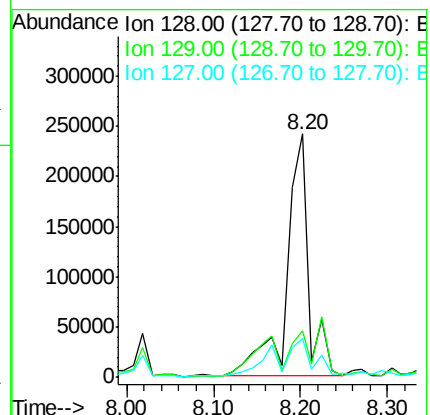
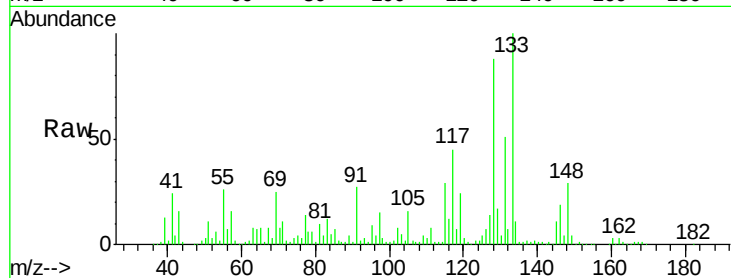
Tgt Ion:128 Resp: 431495

Ion Ratio Lower Upper

128 100

129 18.9 9.6 14.4#

127 16.0 11.4 17.2



#35

Caprolactam

Concen: 13.23 ng

RT: 8.60 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

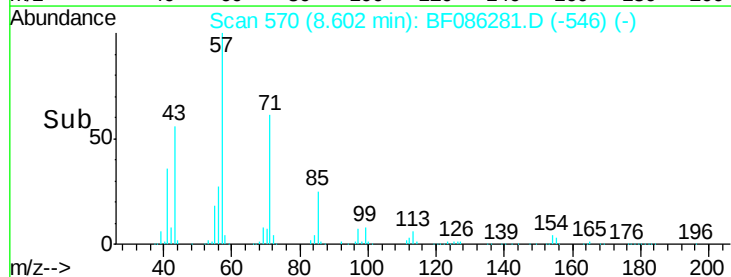
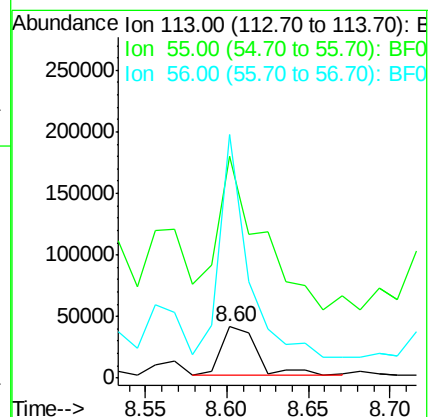
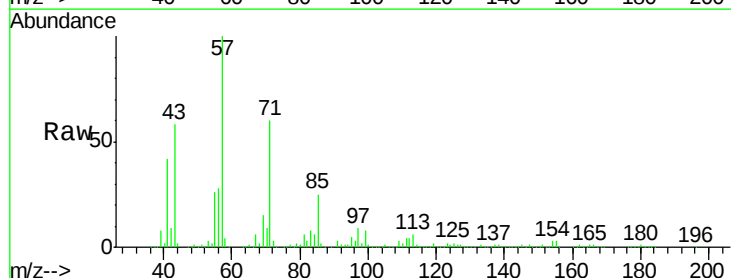
Tgt Ion:113 Resp: 59891

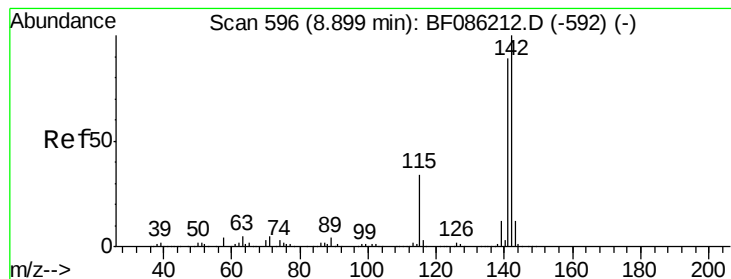
Ion Ratio Lower Upper

113 100

55 431.4 117.5 157.5#

56 473.6 82.5 122.5#





#37

2-Methylnaphthalene

Concen: 21.16 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.01 min

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Acq: 18 Apr 2016 14:51

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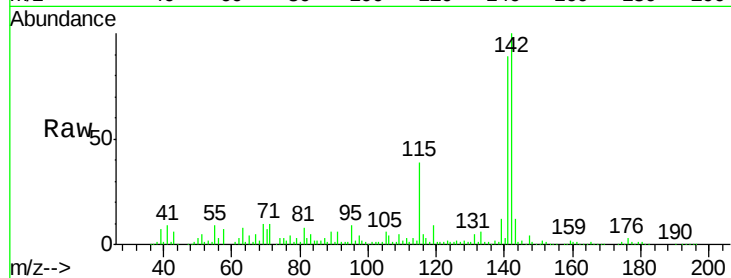
Tgt Ion:142 Resp: 601646

Ion Ratio Lower Upper

142 100

141 89.0 71.1 106.7

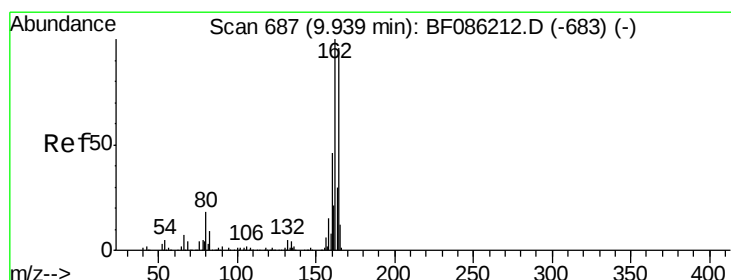
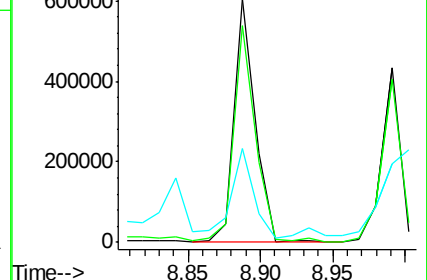
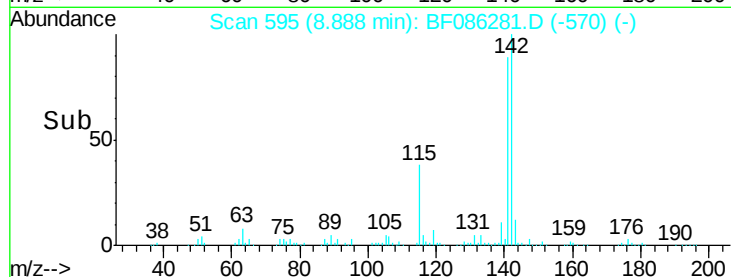
115 38.6 25.1 37.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

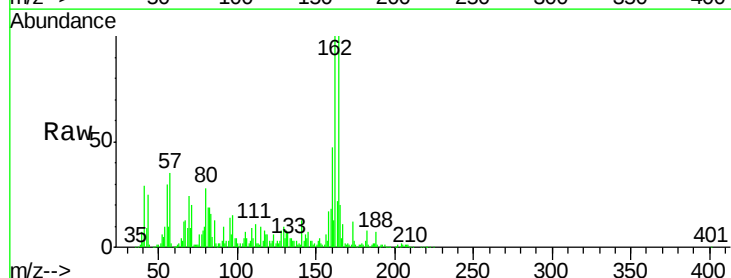
Tgt Ion:164 Resp: 447297

Ion Ratio Lower Upper

164 100

162 99.6 82.8 124.2

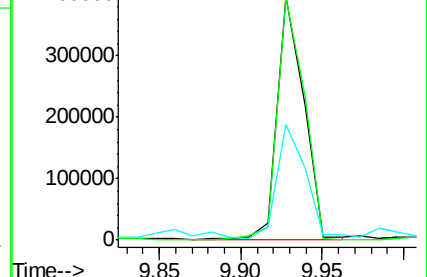
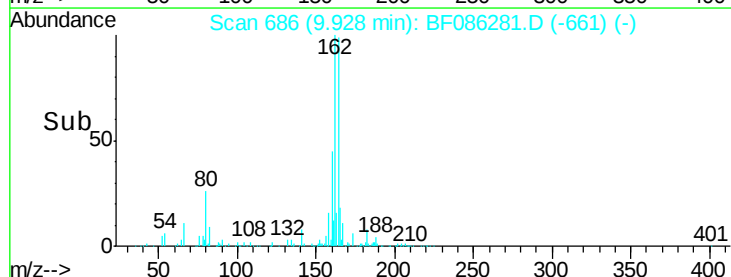
160 47.3 38.9 58.3

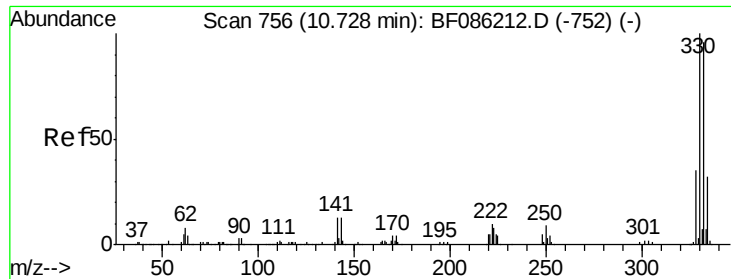


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

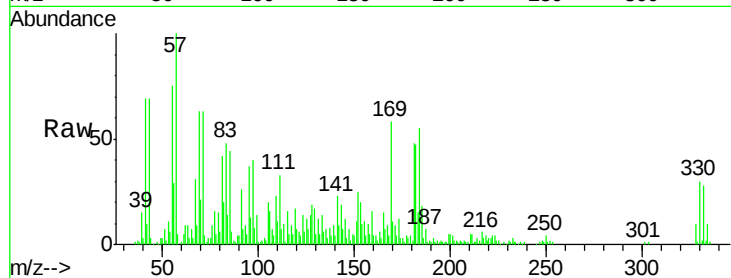




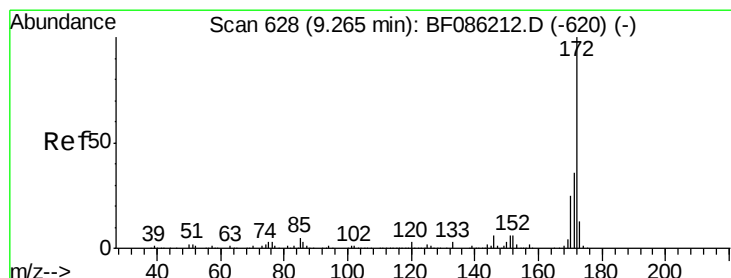
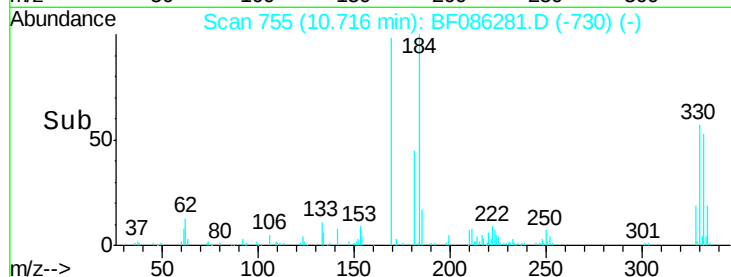
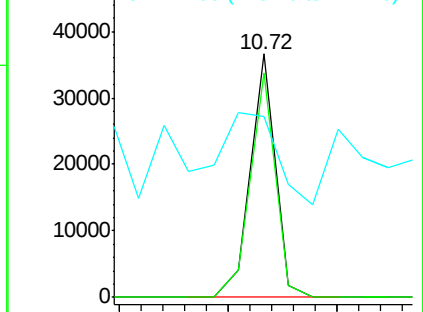
#41
 2,4,6-Tribromophenol
 Concen: 8.12 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086281.D
 Acq: 18 Apr 2016 14:51

Instrument :
 BNA_F
 ClientSampleID :
 PE-A-1DL

Tgt Ion: 330 Resp: 29166
 Ion Ratio Lower Upper
 330 100
 332 93.2 78.7 118.1
 141 125.0 28.6 42.8#

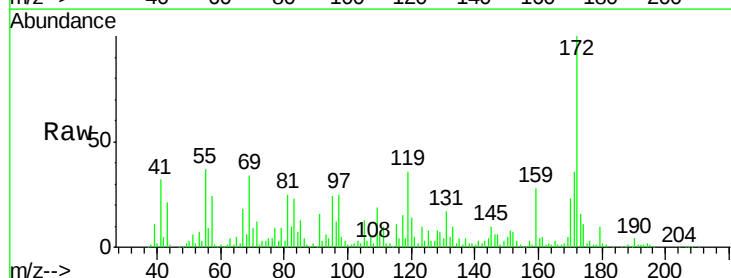


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

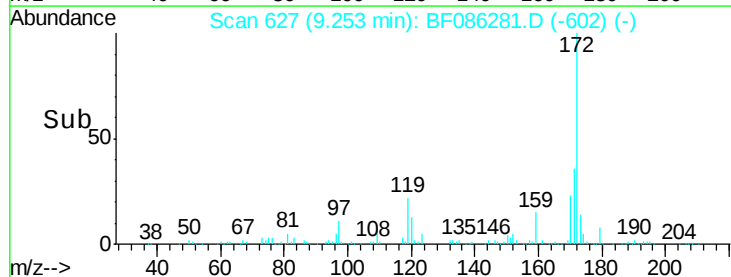
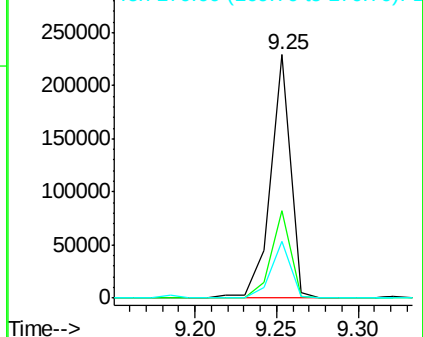


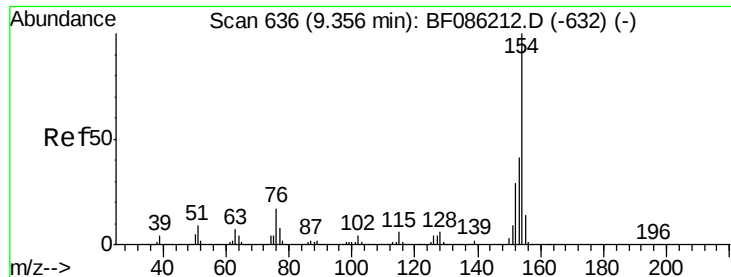
#44
 2-Fluorobiphenyl
 Concen: 8.12 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086281.D
 Acq: 18 Apr 2016 14:51

Tgt Ion: 172 Resp: 196872
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.1 43.7
 170 23.4 19.9 29.9



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

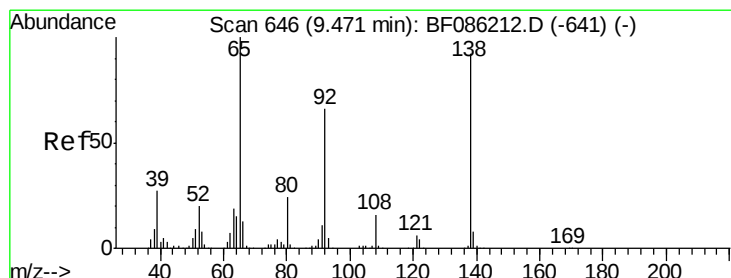
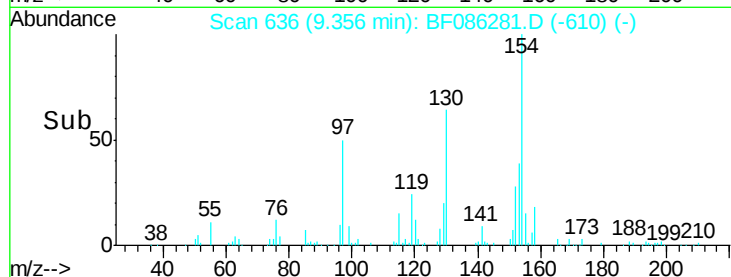
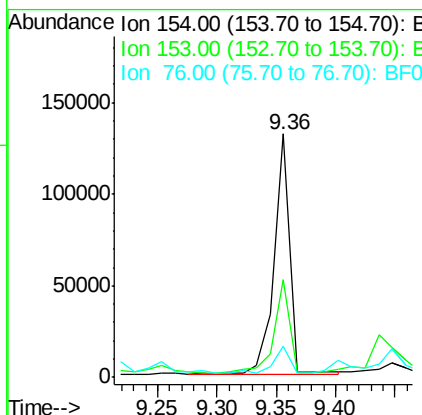
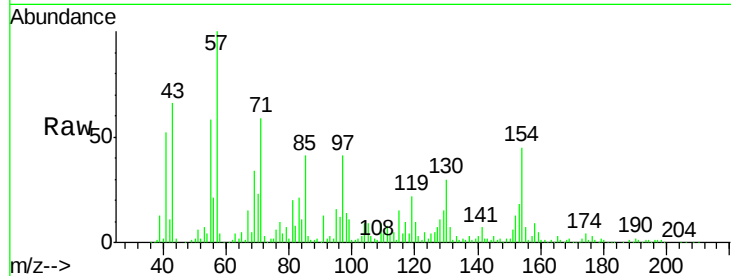




#45
 1,1'-Biphenyl
 Concen: 3.73 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF086281.D
 Acq: 18 Apr 2016 14:51

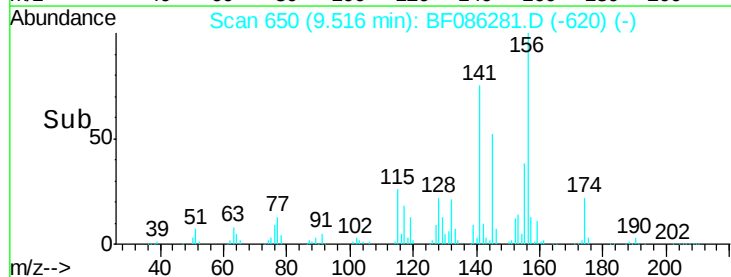
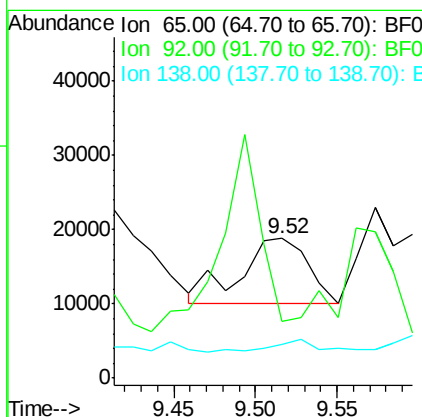
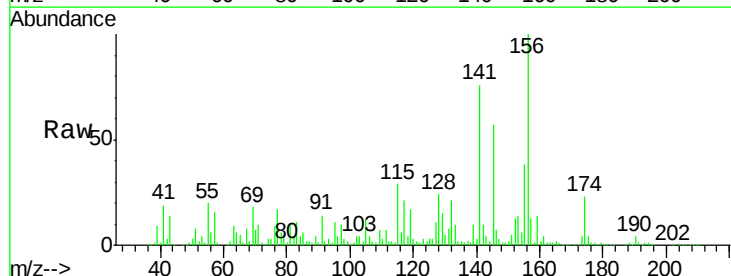
Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1DL

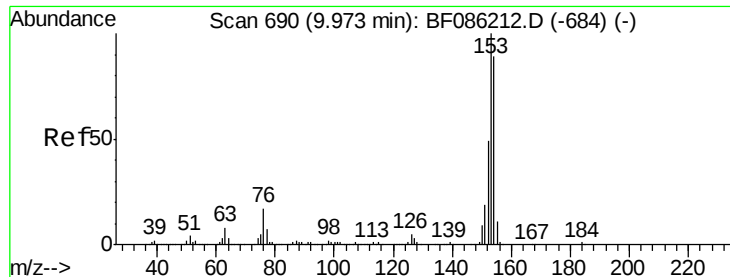
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.3	61.3
76	12.8	0.0	36.4



#47
 2-Nitroaniline
 Concen: 3.02 ng
 RT: 9.52 min Scan# 650
 Delta R.T. 0.05 min
 Lab File: BF086281.D
 Acq: 18 Apr 2016 14:51

Tgt Ion	Ratio	Lower	Upper
65	100		
92	40.3	51.9	77.9#
138	24.0	72.6	108.8#





#51

Acenaphthene

Concen: 8.12 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

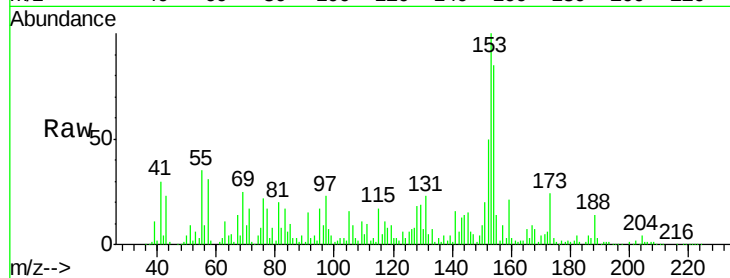
Tgt Ion:154 Resp: 202953

Ion Ratio Lower Upper

154 100

153 117.7 90.0 135.0

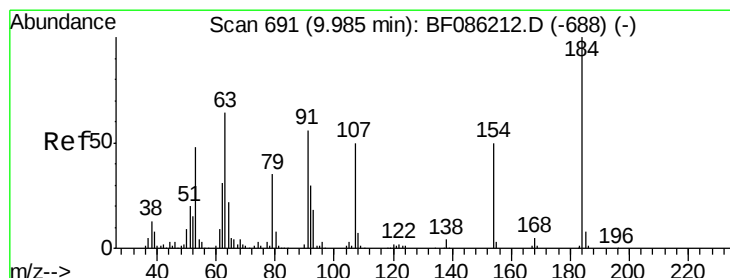
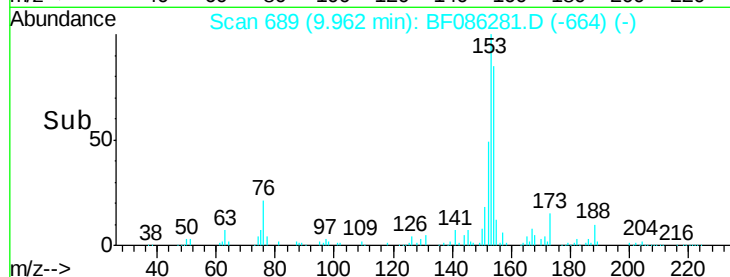
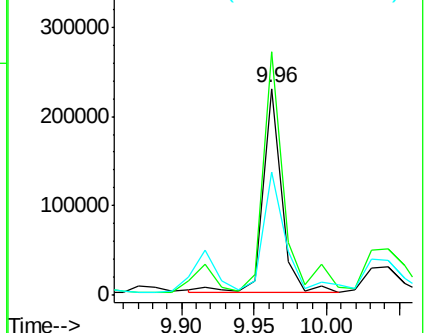
152 59.4 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.45 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

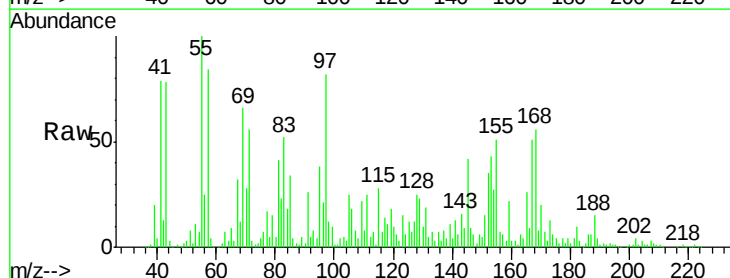
Tgt Ion:184 Resp: 404

Ion Ratio Lower Upper

184 100

63 1720.7 64.7 97.1#

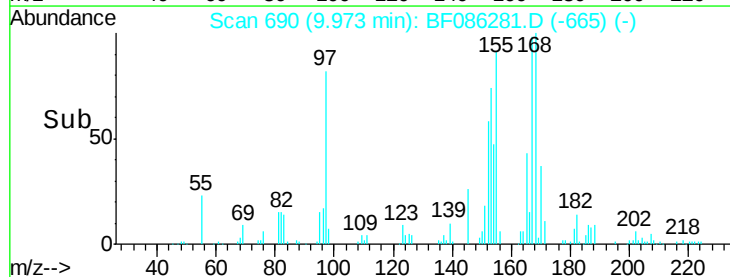
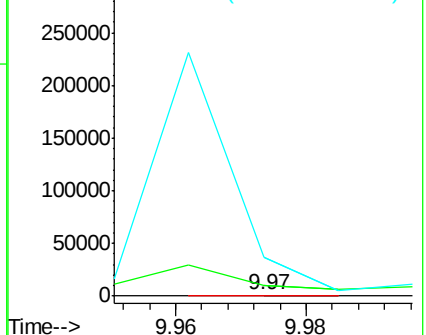
154 6338.9 59.4 89.2#

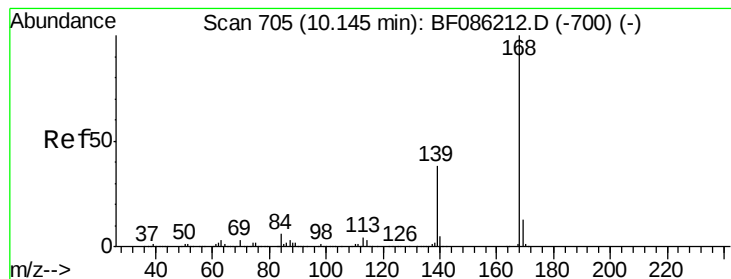


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 5.81 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

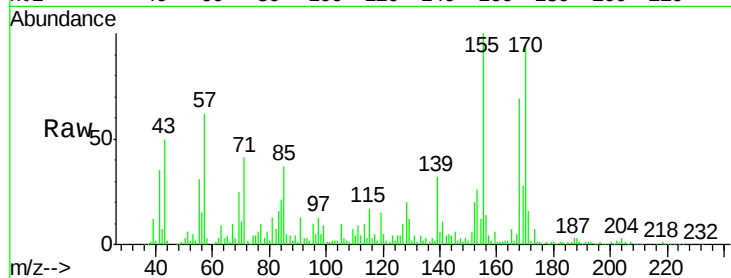
Tgt Ion:168 Resp: 191855

Ion Ratio Lower Upper

168 100

139 46.6 29.5 44.3#

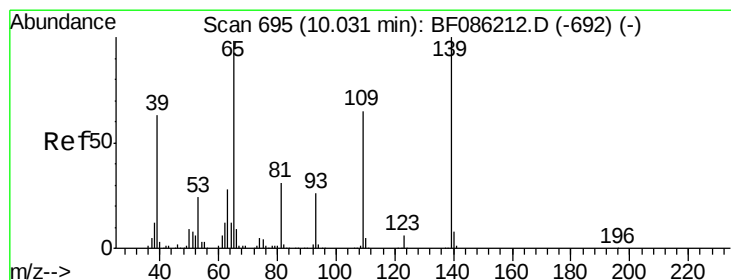
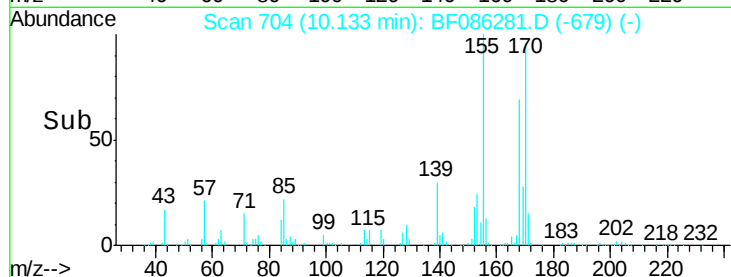
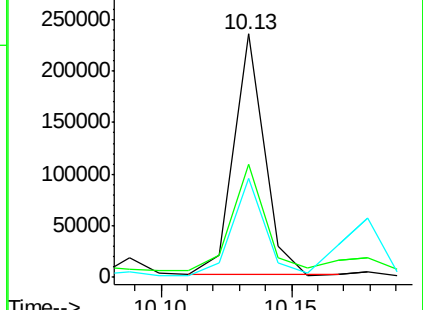
169 40.6 10.6 16.0#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 4.51 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

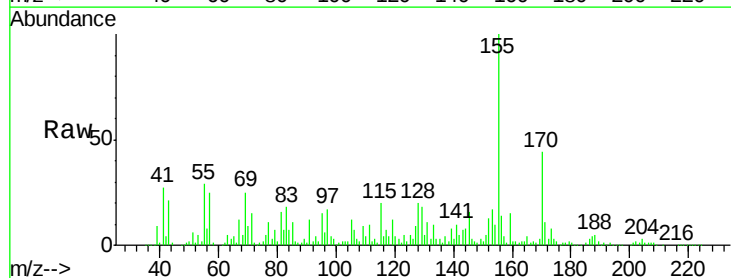
Tgt Ion:139 Resp: 30838

Ion Ratio Lower Upper

139 100

109 116.6 55.0 95.0#

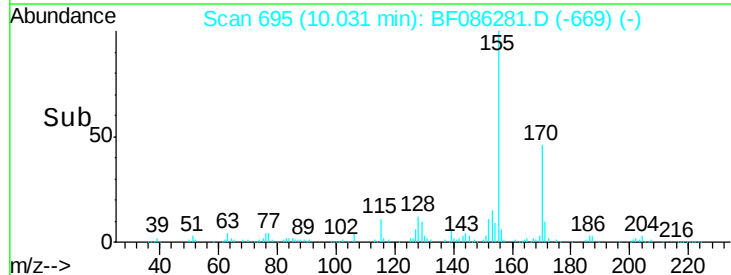
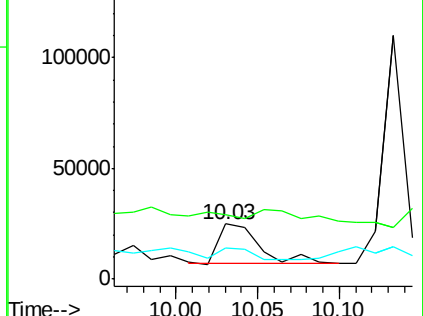
65 55.4 87.3 127.3#

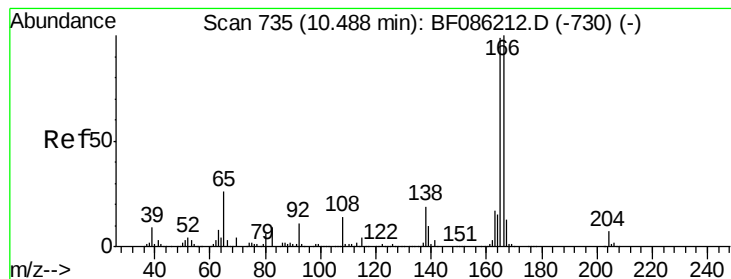


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 8.54 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

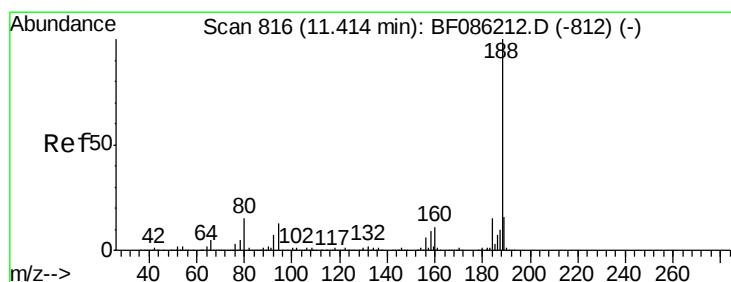
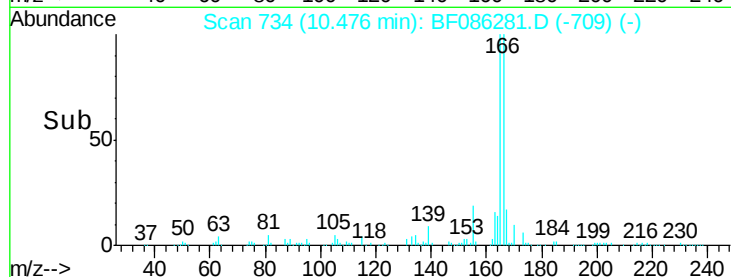
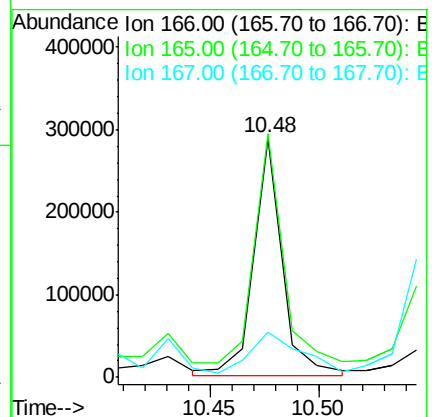
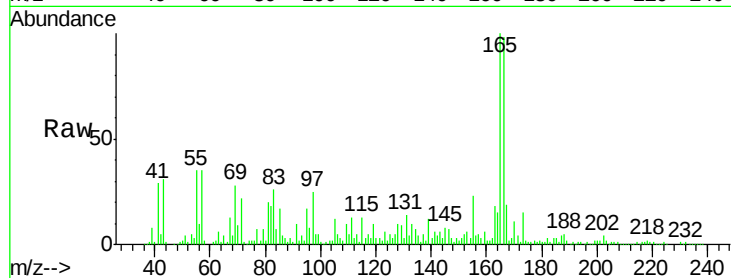
Tgt Ion:166 Resp: 260190

Ion Ratio Lower Upper

166 100

165 102.0 78.6 117.8

167 19.0 10.4 15.6#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

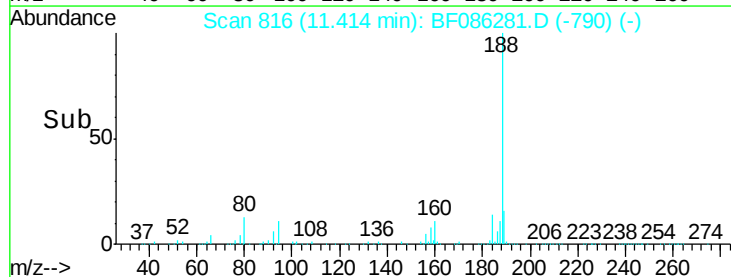
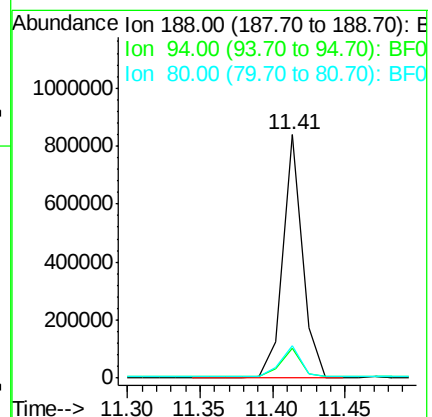
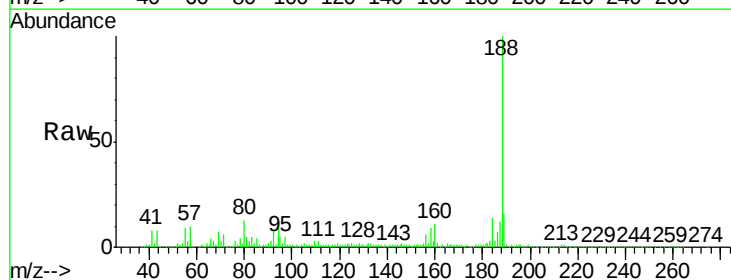
Tgt Ion:188 Resp: 784693

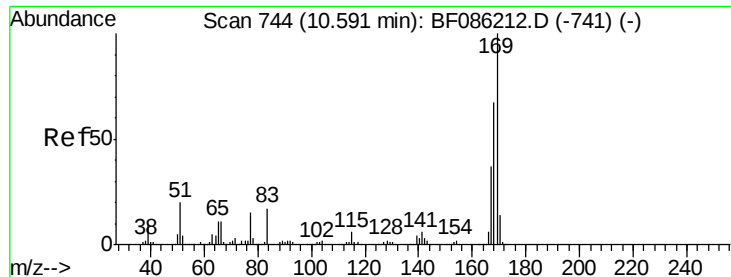
Ion Ratio Lower Upper

188 100

94 12.1 9.8 14.8

80 13.1 10.5 15.7





#65

n-Nitrosodiphenylamine

Concen: 7.34 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

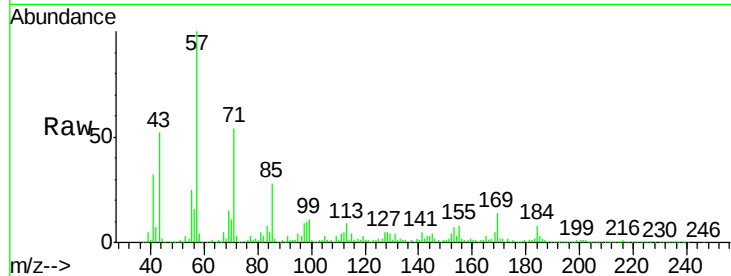
Tgt Ion:169 Resp: 176386

Ion Ratio Lower Upper

169 100

168 34.4 54.3 81.5#

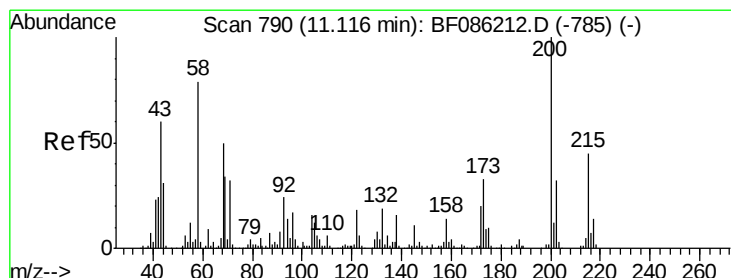
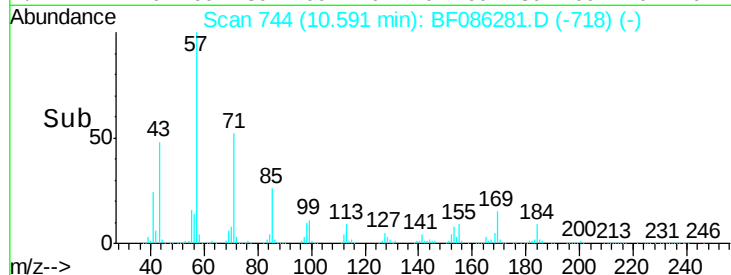
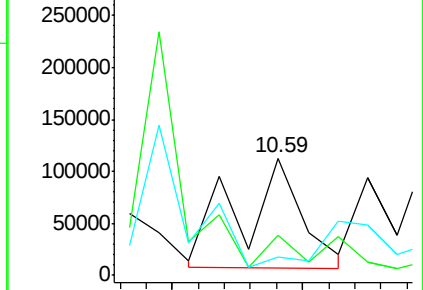
167 15.8 30.2 45.2#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68

Atrazine

Concen: 4.23 ng

RT: 11.14 min Scan# 792

Delta R.T. 0.02 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

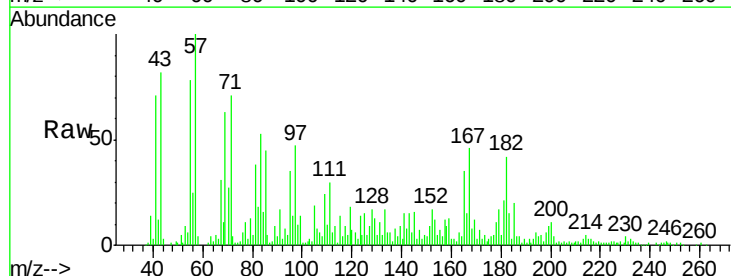
Tgt Ion:200 Resp: 31150

Ion Ratio Lower Upper

200 100

173 44.8 11.2 51.2

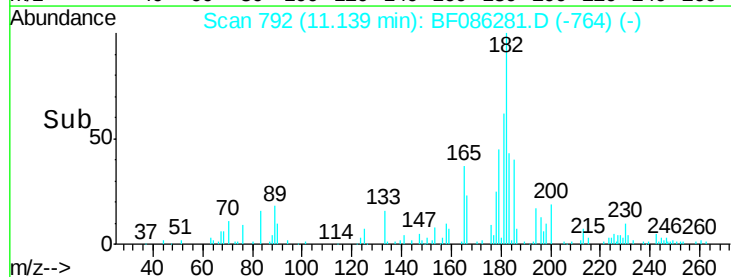
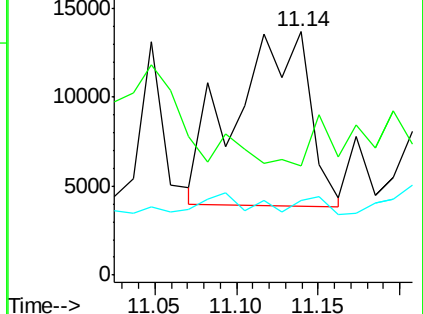
215 30.6 24.0 64.0

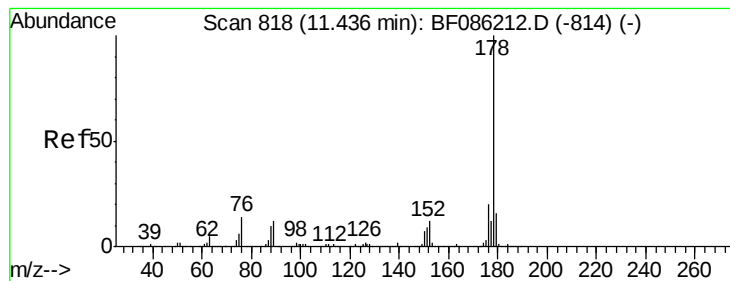


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 48.72 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

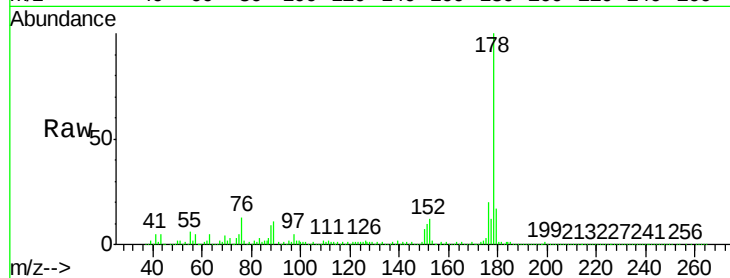
Tgt Ion:178 Resp: 1825871

Ion Ratio Lower Upper

178 100

176 20.0 16.3 24.5

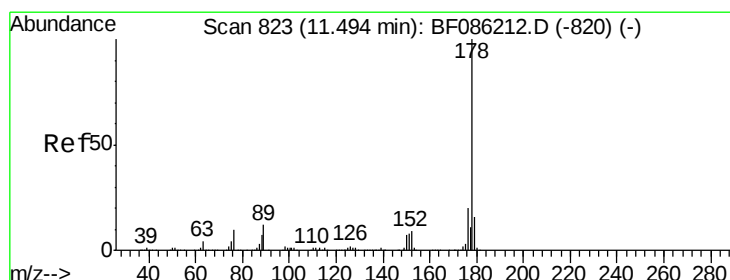
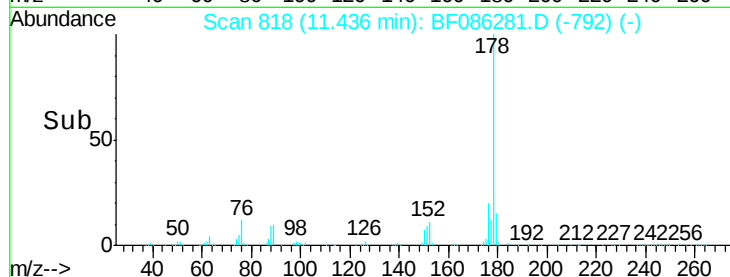
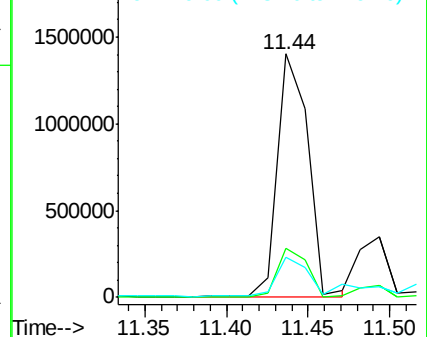
179 16.6 13.0 19.6



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: 7.80 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

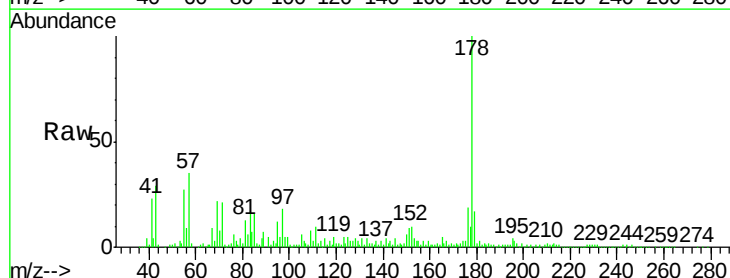
Tgt Ion:178 Resp: 392612

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

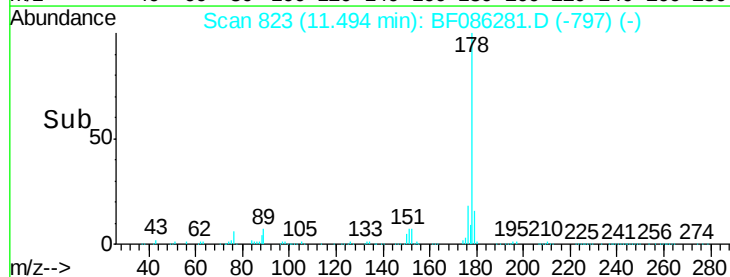
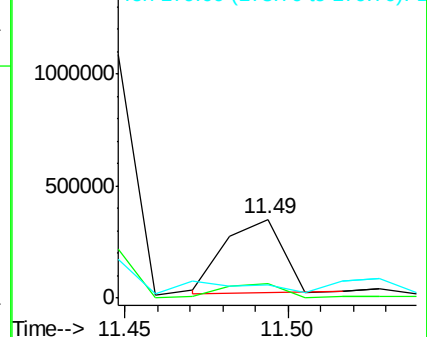
179 17.5 13.2 19.8

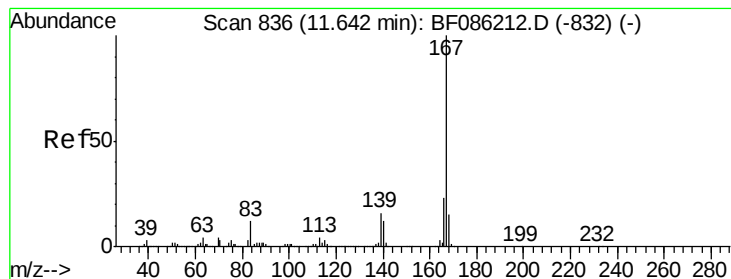


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 7.03 ng

RT: 11.64 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

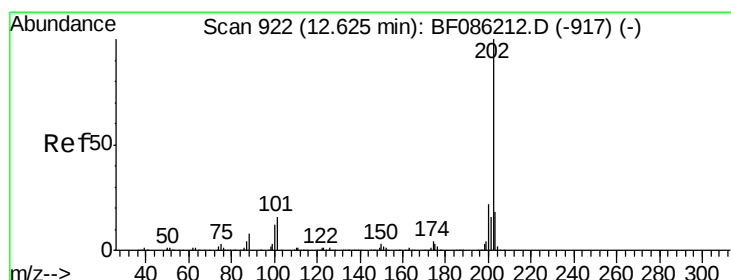
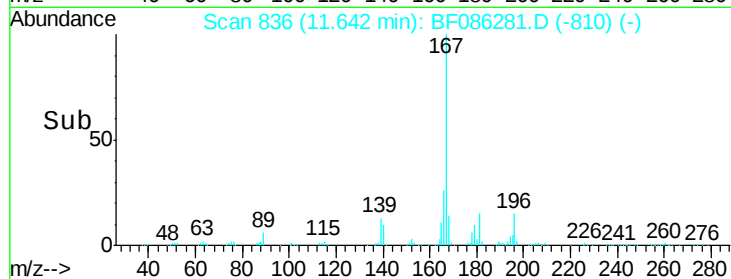
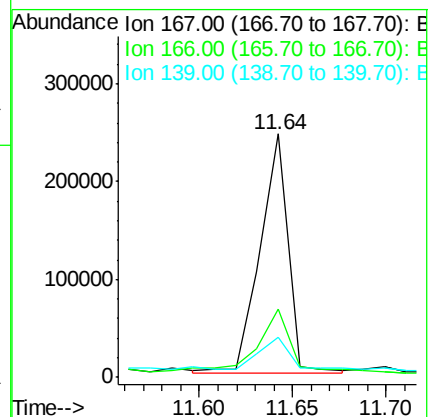
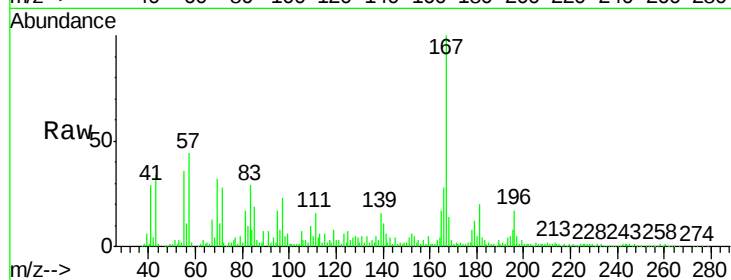
Tgt Ion:167 Resp: 250489

Ion Ratio Lower Upper

167 100

166 28.2 18.3 27.5#

139 16.2 12.3 18.5



#74

Fluoranthene

Concen: 44.38 ng

RT: 12.63 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

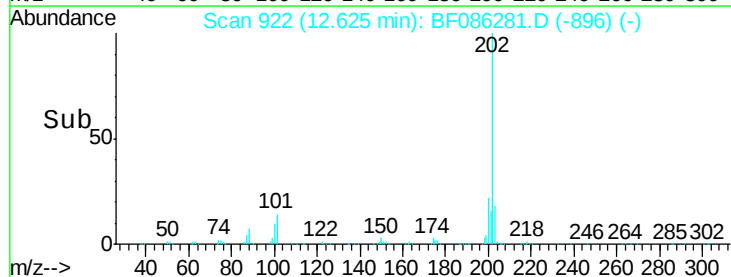
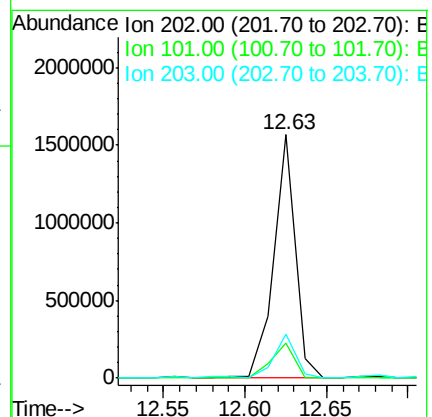
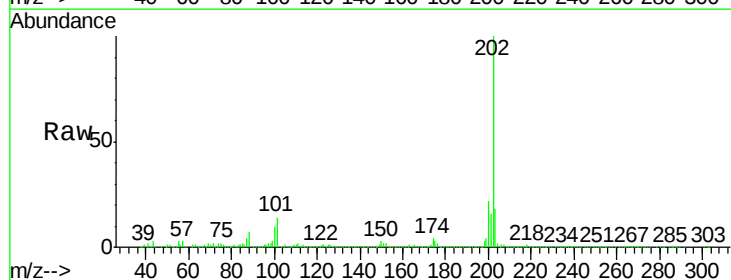
Tgt Ion:202 Resp: 1434058

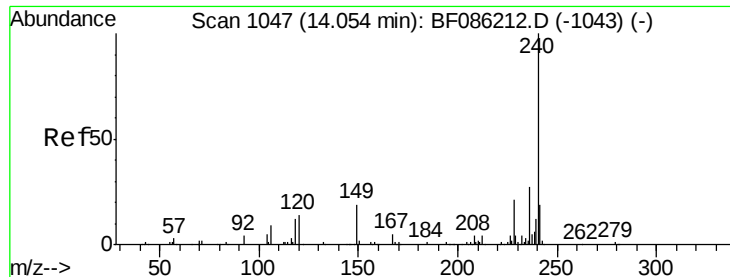
Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.2

203 18.2 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

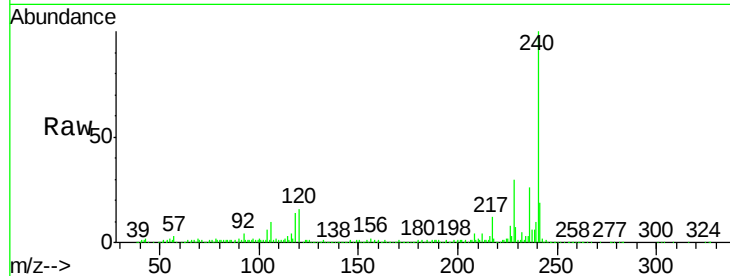
Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

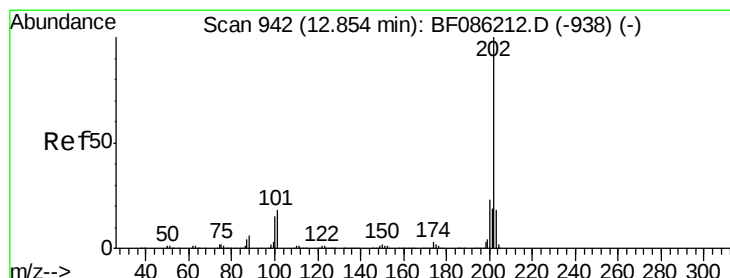
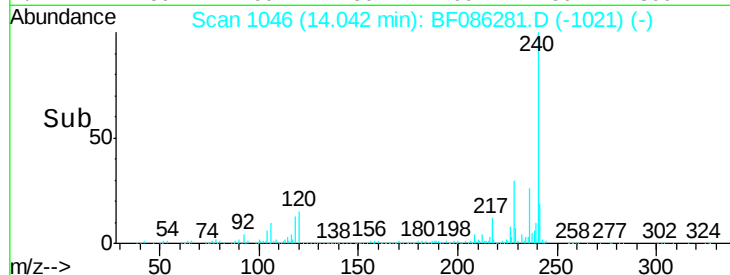
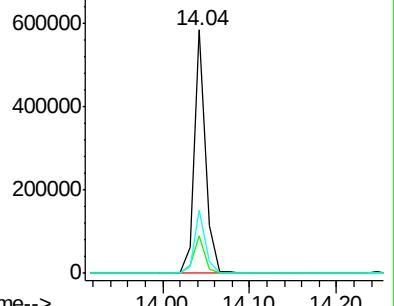
Tgt Ion:	240	Resp:	535239
Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.3	13.9#
236	26.0	21.1	31.7



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: 32.72 ng

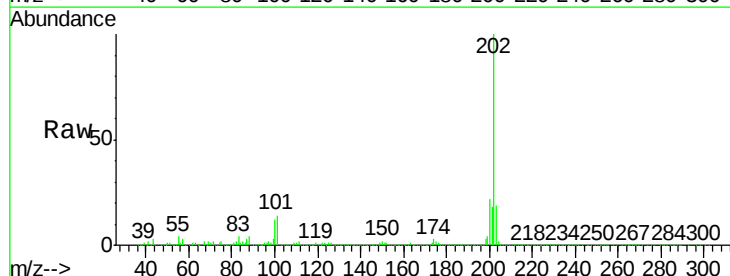
RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

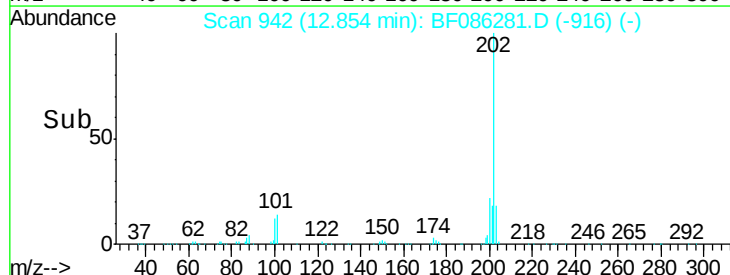
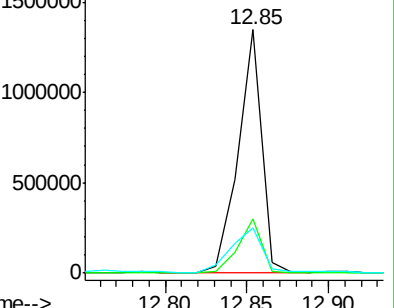
Tgt Ion:	202	Resp:	1343660
Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.3	27.5
203	18.7	14.9	22.3

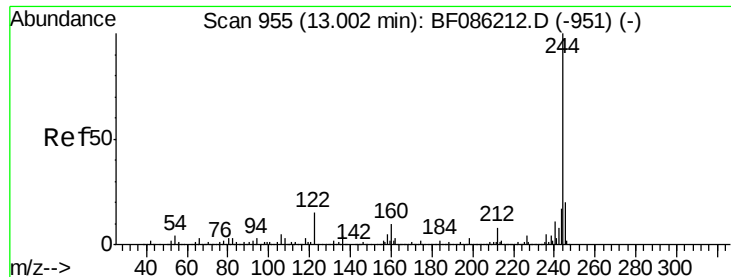


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.27 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

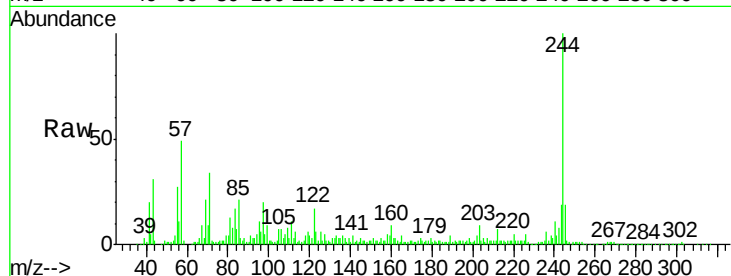
Tgt Ion:244 Resp: 133529

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

122 16.7 11.7 17.5

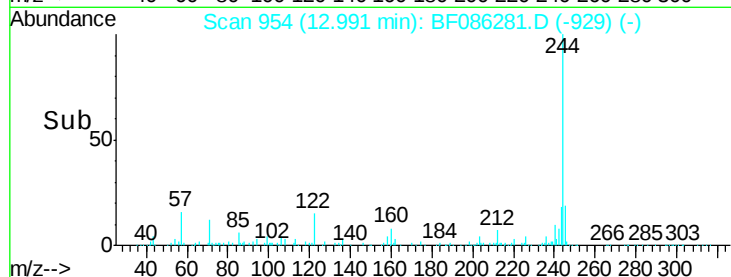


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



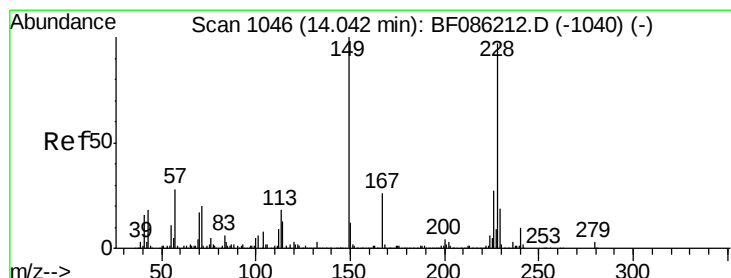
Abundance

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

Time-->



#80

Benzo(a)anthracene

Concen: 21.64 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

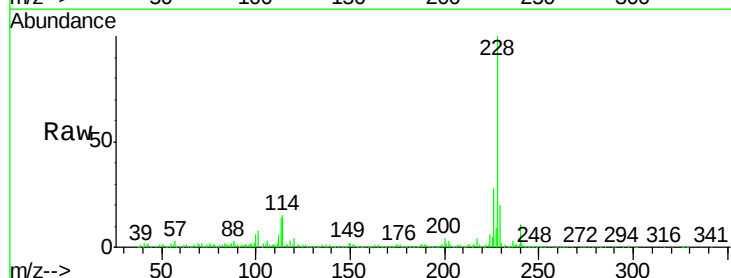
Tgt Ion:228 Resp: 635740

Ion Ratio Lower Upper

228 100

226 27.6 22.5 33.7

229 20.4 16.2 24.2

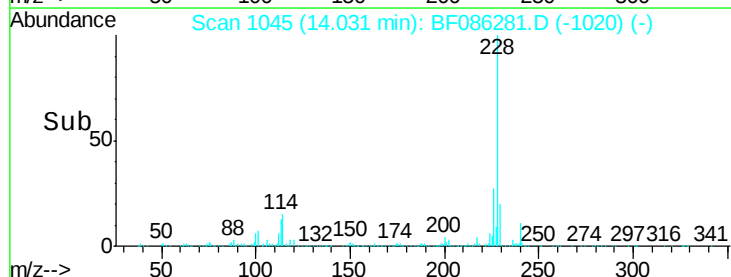


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



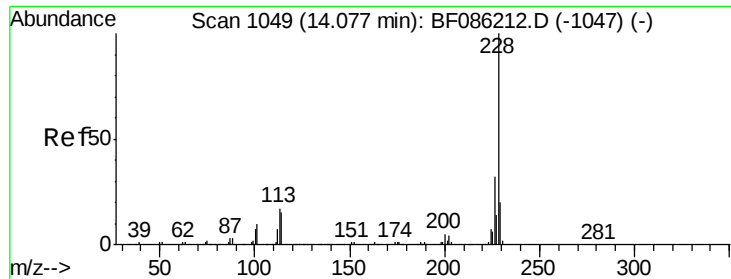
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



#82

Chrysene

Concen: 14.74 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

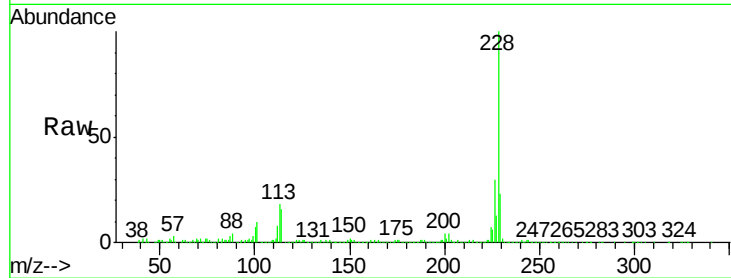
Tgt Ion:228 Resp: 461742

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.2

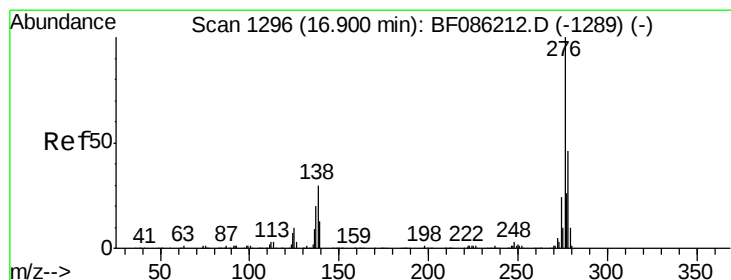
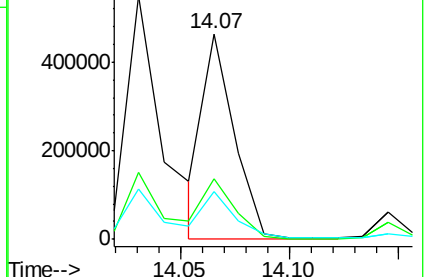
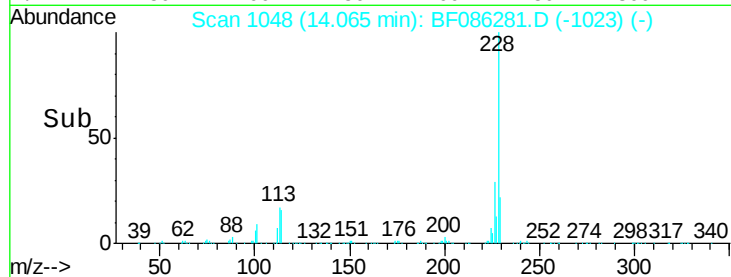
229 23.0 16.5 24.7



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.08 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

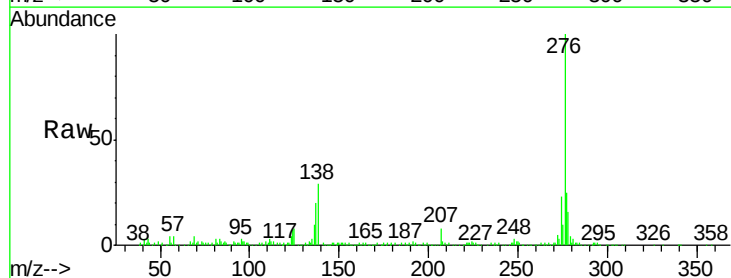
Tgt Ion:276 Resp: 259507

Ion Ratio Lower Upper

276 100

138 30.6 23.8 35.6

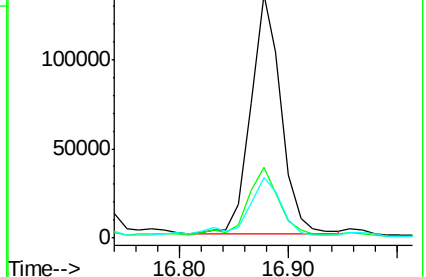
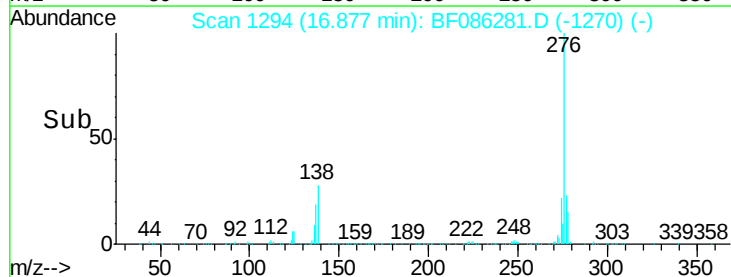
277 28.4 20.2 30.2

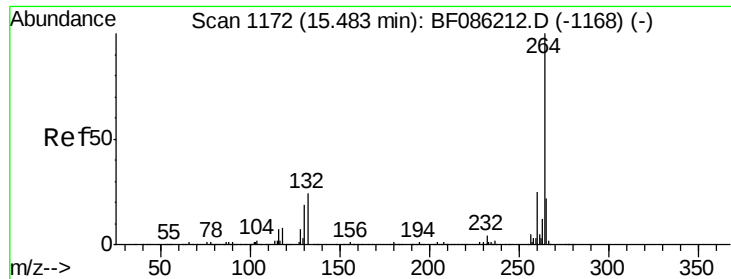


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

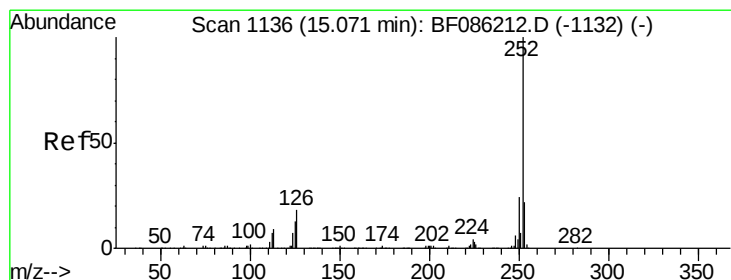
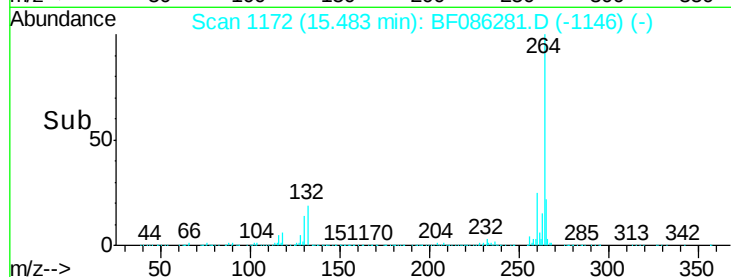
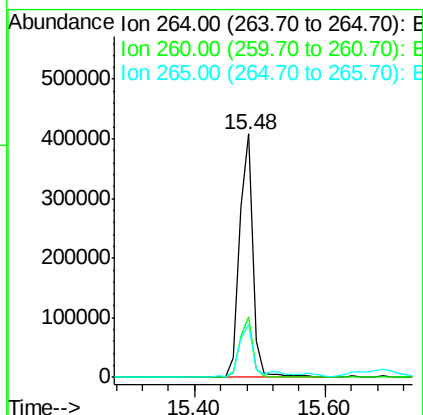
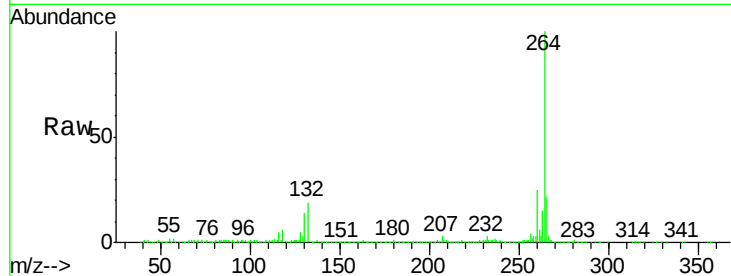




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF086281.D
Acq: 18 Apr 2016 14:51

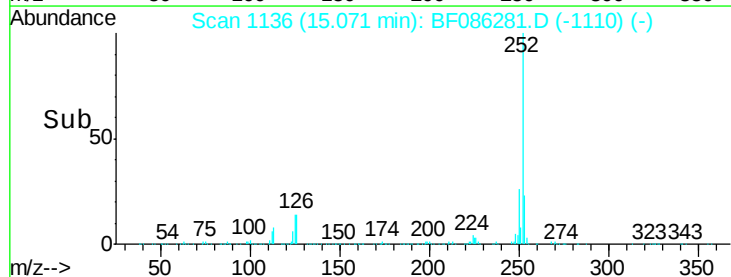
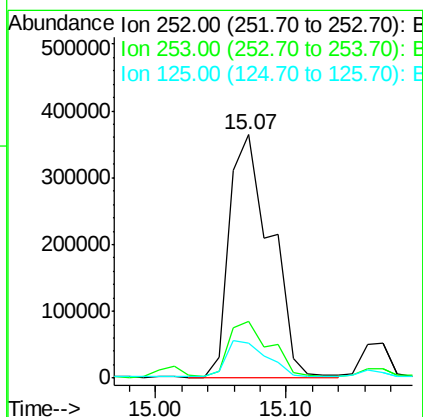
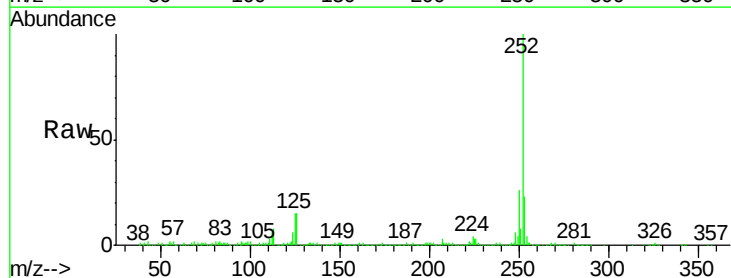
Instrument :
BNA_F
ClientSampled :
PE-A-1DL

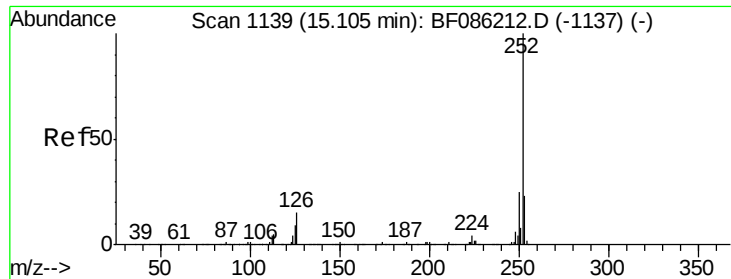
Tgt Ion:264 Resp: 564522
Ion Ratio Lower Upper
264 100
260 24.8 20.0 30.0
265 21.8 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 22.92 ng
RT: 15.07 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF086281.D
Acq: 18 Apr 2016 14:51

Tgt Ion:252 Resp: 798196
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 14.6 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 25.13 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.03 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

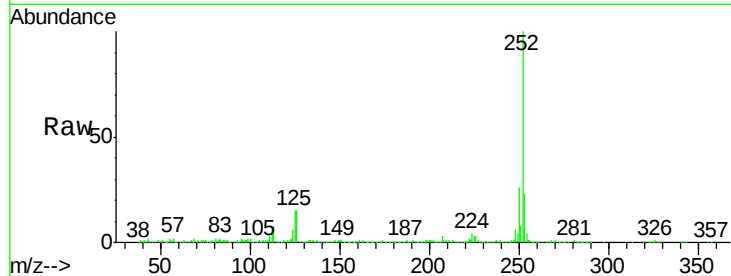
Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

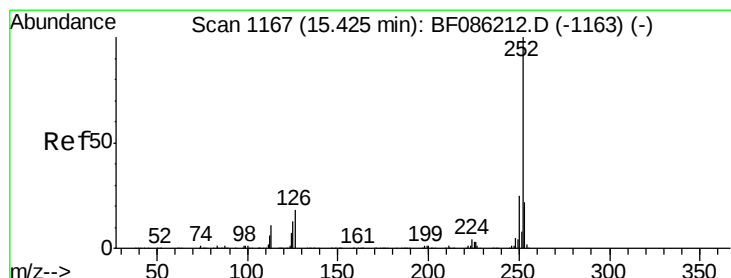
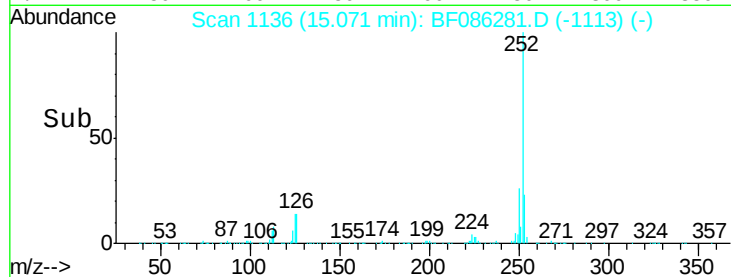
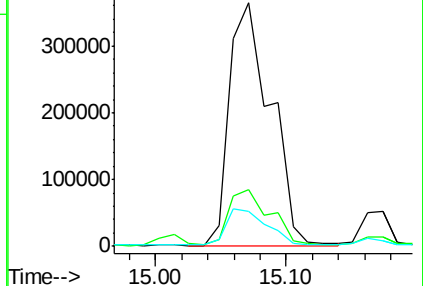
Tgt Ion:	252	Resp:	798196
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	14.6	7.8	11.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 14.56 ng

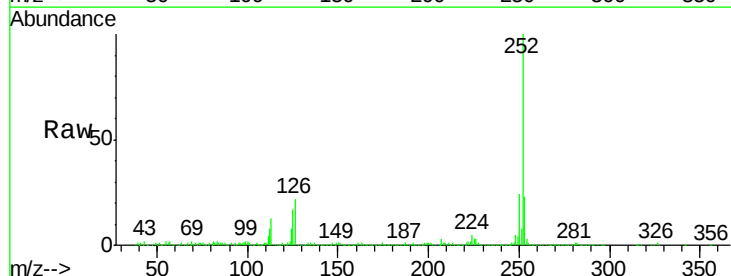
RT: 15.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

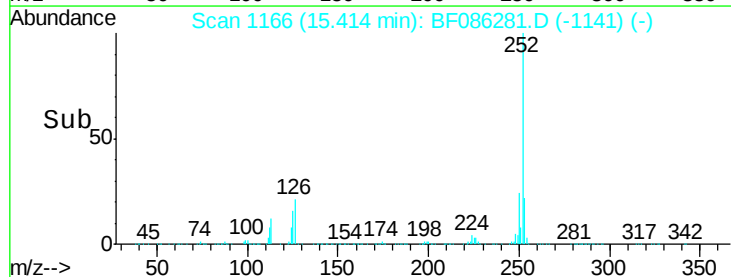
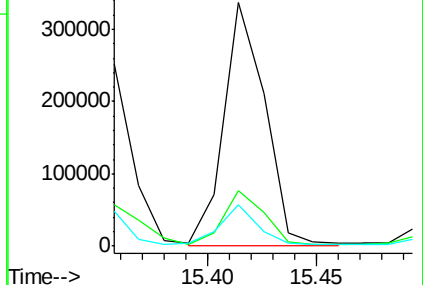
Tgt Ion:	252	Resp:	439257
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.8
125	16.8	11.2	16.8#

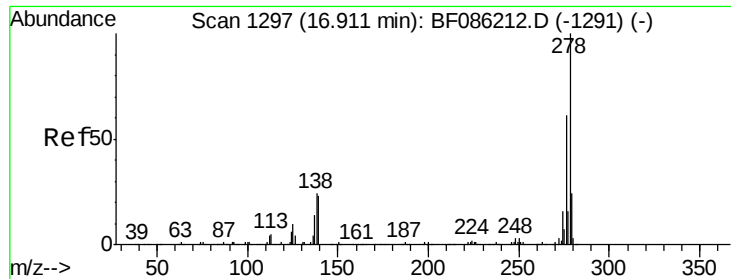


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.19 ng

RT: 17.06 min Scan# 1310

Delta R.T. 0.15 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

Instrument :

BNA_F

ClientSampleId :

PE-A-1DL

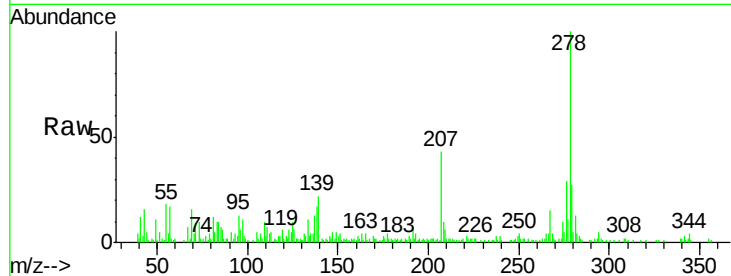
Tgt Ion: 278 Resp: 58438

Ion Ratio Lower Upper

278 100

139 21.9 15.3 22.9

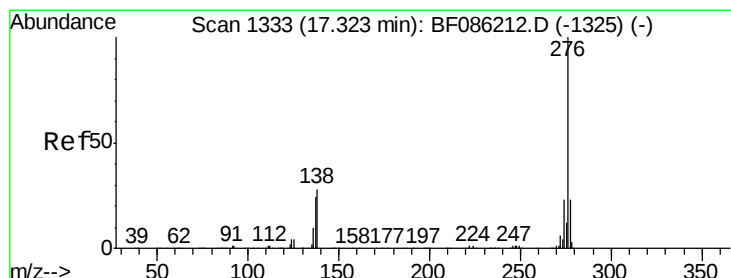
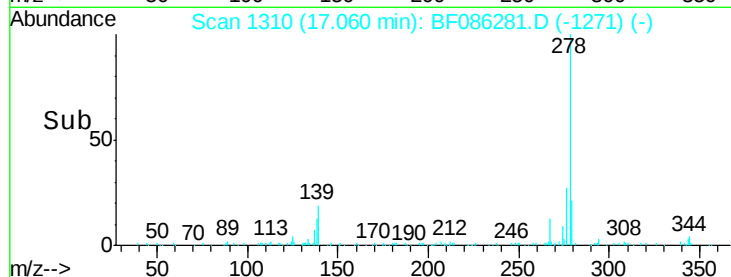
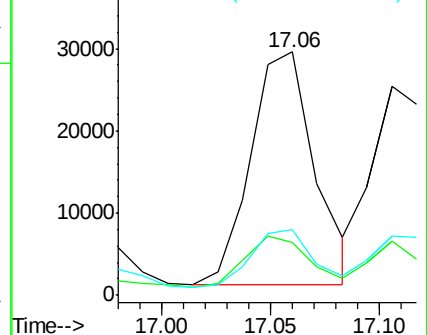
279 27.0 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.35 ng

RT: 17.30 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF086281.D

Acq: 18 Apr 2016 14:51

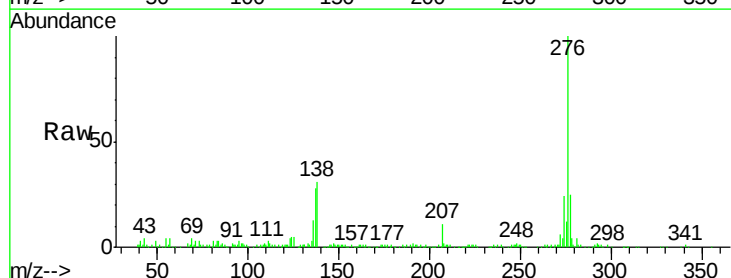
Tgt Ion: 276 Resp: 236651

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.6

138 30.8 19.6 29.4#



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

