

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
 Data File : BF086889.D
 Acq On : 11 May 2016 9:01
 Operator : UM/SJ
 Sample : H2961-02 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 11 12:42:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	145249	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	477772	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	217627	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	327899	20.00	ng	0.00
75) Chrysene-d12	13.83	240	270635	20.00	ng	-0.01
86) Perylene-d12	15.20	264	258387	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	272462	31.77	ng	-0.01
7) Phenol-d6	6.35	99	333885	29.13	ng	-0.01
23) Nitrobenzene-d5	7.25	82	215560	22.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	49354	21.42	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	356406	27.52	ng	-0.01
78) Terphenyl-d14	12.79	244	238525	18.70	ng	-0.01

Target Compounds						Qvalue
9) Benzaldehyde	6.20	77	210483	31.71	ng	# 1
15) Benzyl Alcohol	6.86	79	15873	2.01	ng	# 1
18) Hexachloroethane	7.15	117	37892	8.82	ng	# 1
22) Acetophenone	7.08	105	47228	4.18	ng	# 45
24) Nitrobenzene	7.33	77	29825	3.05	ng	# 42
31) Naphthalene	8.02	128	7476991	312.45	ng	# 93
33) 4-Chloroaniline	8.02	127	1174306	126.29	ng	# 37
35) Caprolactam	8.41	113	18188	8.29	ng	# 1
37) 2-Methylnaphthalene	8.80	142	1551442	110.89	ng	95
45) 1,1'-Biphenyl	9.15	154	420642	24.30	ng	98
47) 2-Nitroaniline	9.31	65	12482	2.52	ng	# 25
48) Acenaphthylene	9.58	152	200825	10.07	ng	# 85
50) 2,6-Dinitrotoluene	9.42	165	8838	2.53	ng	# 82
51) Acenaphthene	9.76	154	1008733	81.29	ng	98
53) 2,4-Dinitrophenol	9.78	184	1235	8.32	ng	# 1
54) Dibenzofuran	9.93	168	97182	6.10	ng	# 63
55) 4-Nitrophenol	9.87	139	3584	5.94	ng	# 30
56) 2,4-Dinitrotoluene	9.93	165	30247	6.99	ng	# 44
57) Fluorene	10.27	166	745590	54.88	ng	97
60) 4-Chlorophenyl-phenylether	10.21	204	1936	Below	Cal	# 1
65) n-Nitrosodiphenylamine	10.38	169	88457	8.78	ng	# 64
70) Phenanthrene	11.23	178	1892619	108.16	ng	98
71) Anthracene	11.28	178	693852	38.77	ng	99
74) Fluoranthene	12.41	202	685439	38.08	ng	98
77) Pyrene	12.64	202	999278	48.23	ng	100
80) Benzo(a)anthracene	13.81	228	373536	24.59	ng	# 75
82) Chrysene	13.81	228	373536	24.17	ng	# 77
85) Indeno(1,2,3-cd)pyrene	16.49	276	67481	5.25	ng	# 87
87) Benzo(b)fluoranthene	14.82	252	235899	14.05	ng	99
88) Benzo(k)fluoranthene	14.92	252	74086	5.39	ng	97
89) Benzo(a)pyrene	15.09	252	120612	8.33	ng	96
91) Benzo(a,h,i)perylene	17.08	276	32043	2.58	ng	97

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
Data File : BF086889.D
Acq On : 11 May 2016 9:01
Operator : UM/SJ
Sample : H2961-02 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 11 12:42:34 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

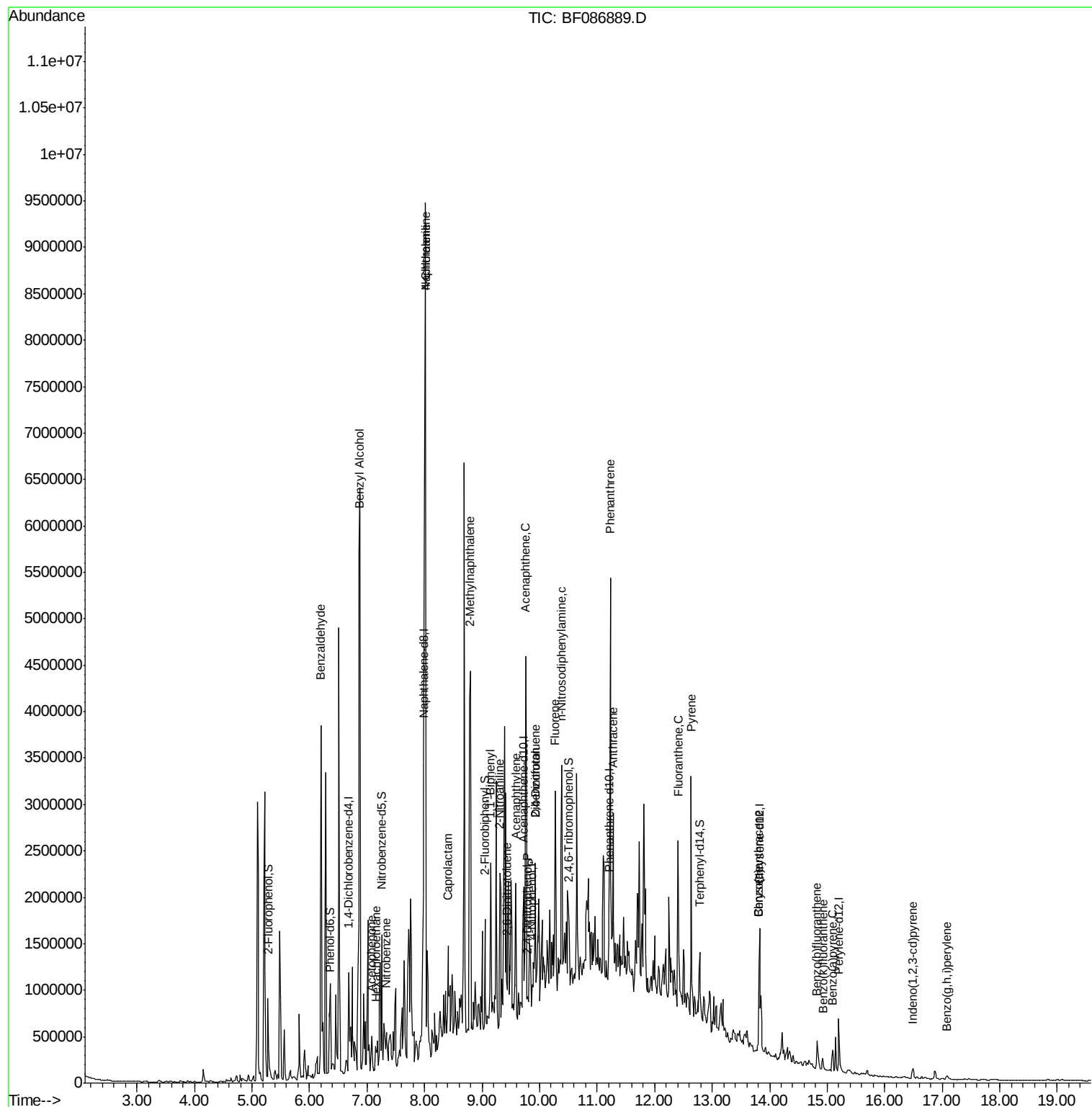
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

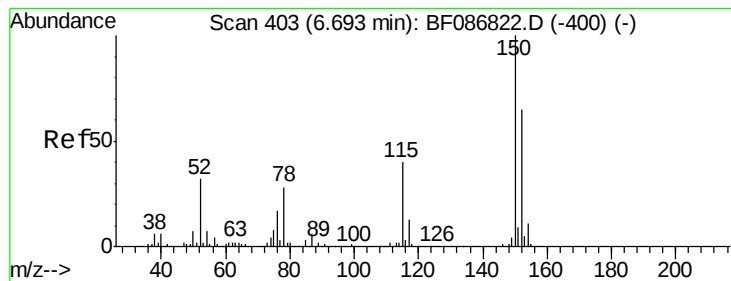
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
Data File : BF086889.D
Acq On : 11 May 2016 9:01
Operator : UM/SJ
Sample : H2961-02 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 11 12:42:34 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

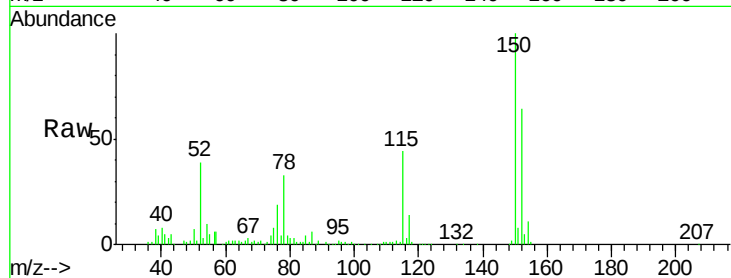
Tot Ion:152 Resp: 145249

Ion Ratio Lower Upper

152 100

150 157.1 125.8 188.6

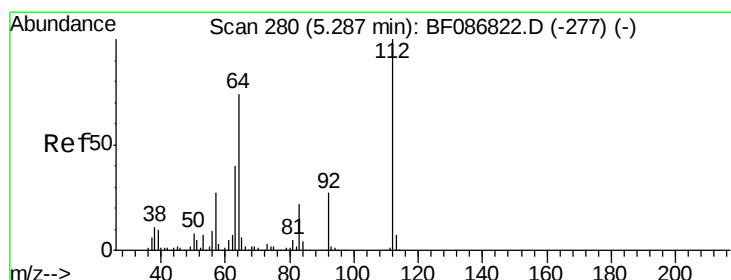
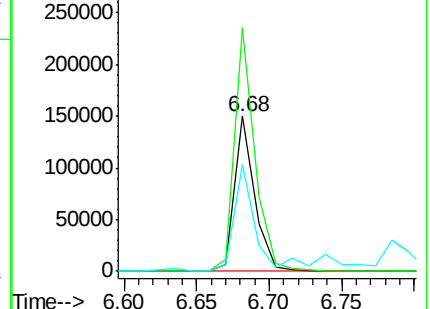
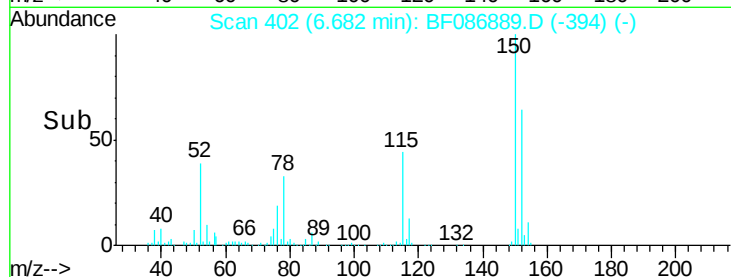
115 69.2 51.5 77.3



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: 31.77 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

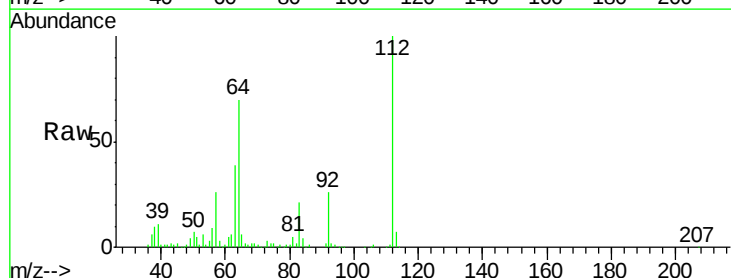
Tgt Ion:112 Resp: 272462

Ion Ratio Lower Upper

112 100

64 70.5 52.1 78.1

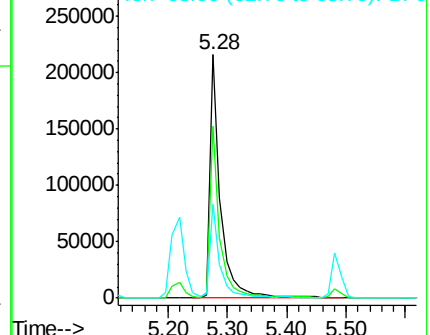
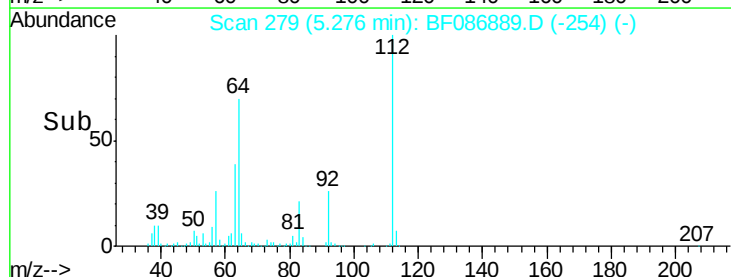
63 38.6 25.7 38.5#

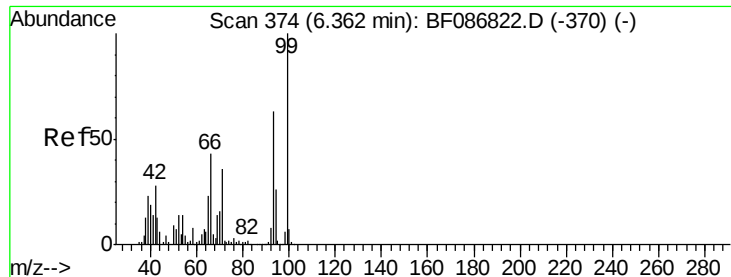


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 29.13 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

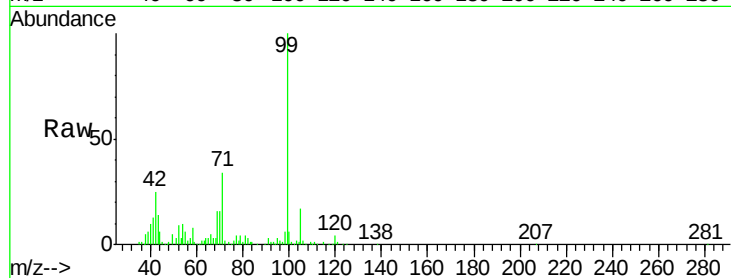
Tot Ion: 99 Resp: 333885

Ion Ratio Lower Upper

99 100

42 25.1 13.6 20.4#

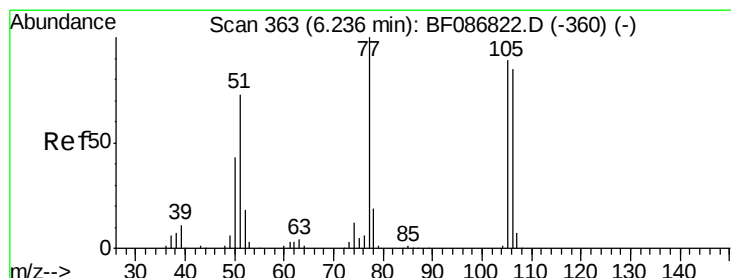
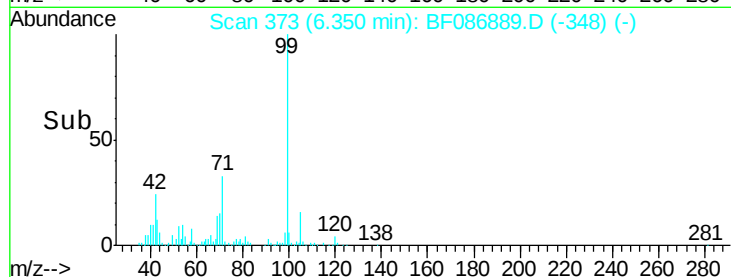
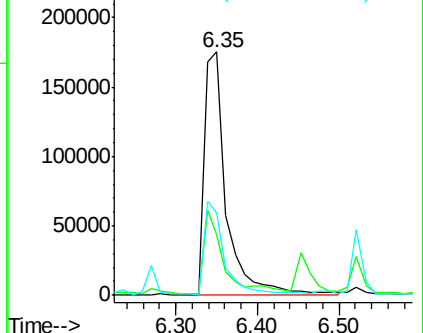
71 33.7 24.6 36.8



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: 31.71 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

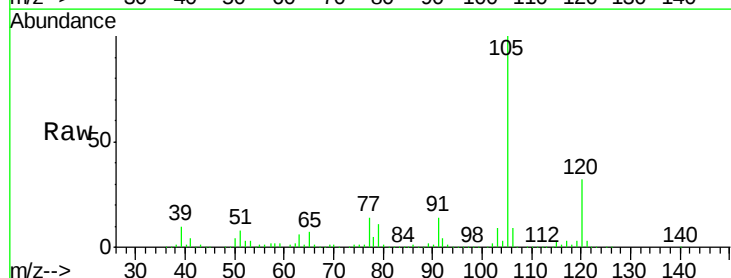
Tgt Ion: 77 Resp: 210483

Ion Ratio Lower Upper

77 100

105 719.0 72.7 112.7#

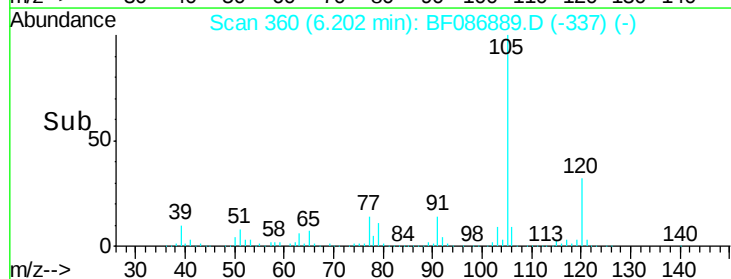
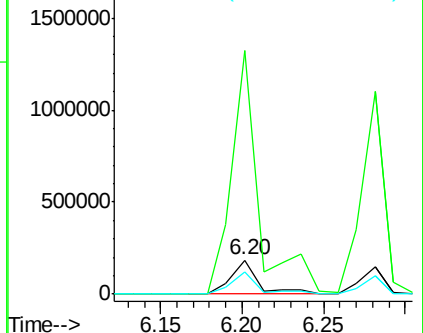
106 65.8 70.8 110.8#

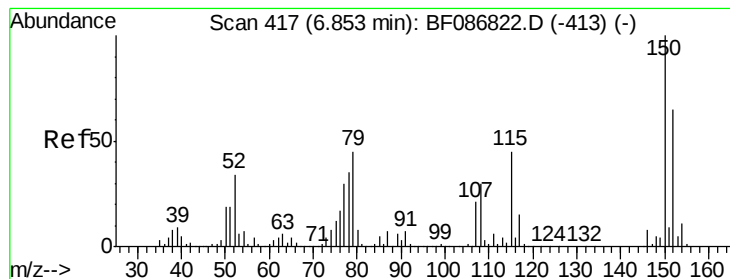


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

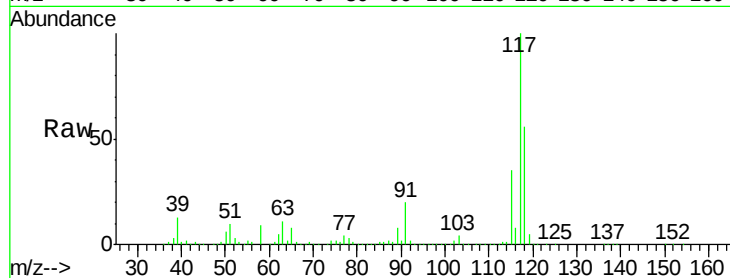
Tot Ion: 79 Resp: 15873

Ion Ratio Lower Upper

79 100

108 7.9 68.4 102.6#

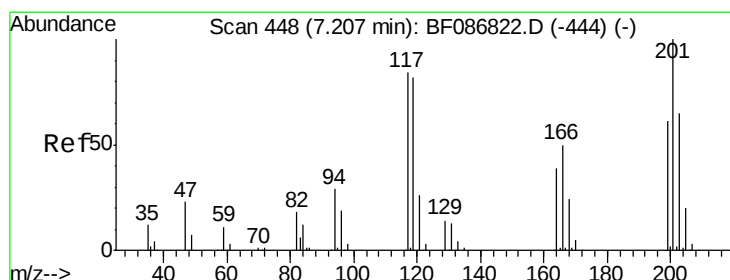
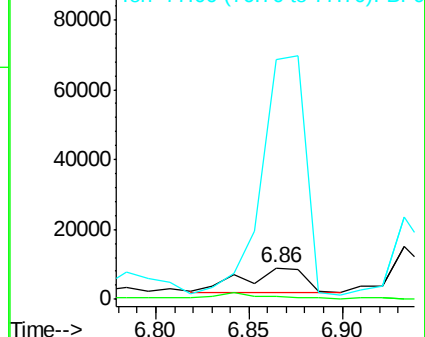
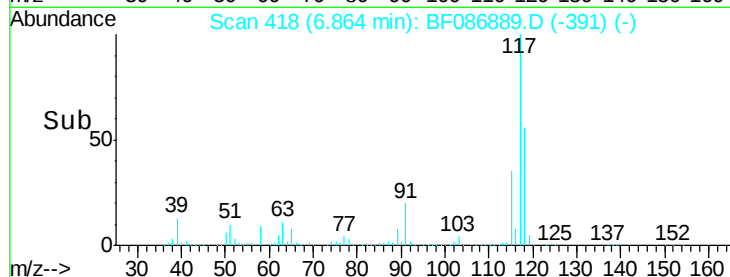
77 770.5 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 8.82 ng

RT: 7.15 min Scan# 443

Delta R.T. -0.06 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

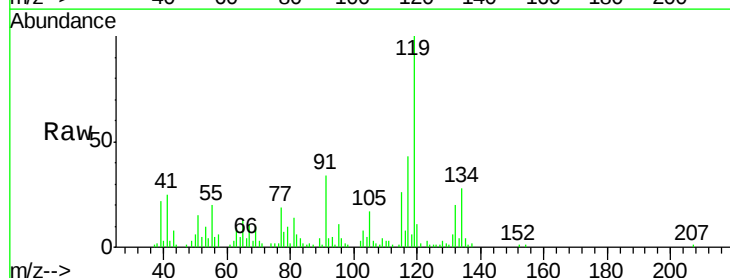
Tgt Ion: 117 Resp: 37892

Ion Ratio Lower Upper

117 100

119 234.0 76.5 114.7#

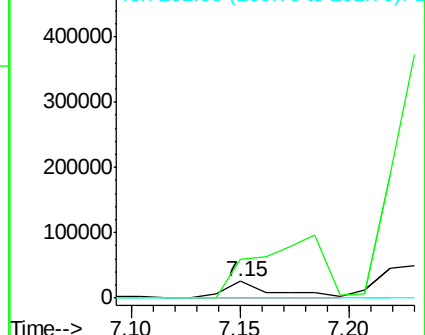
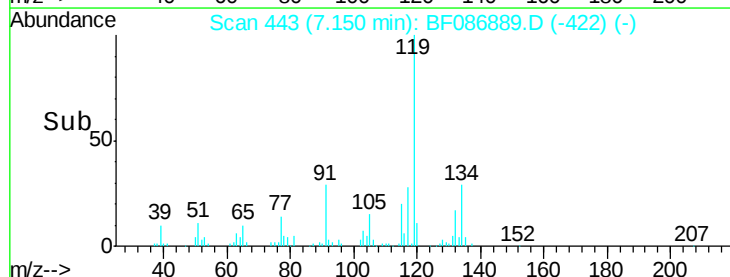
201 0.0 63.0 94.6#

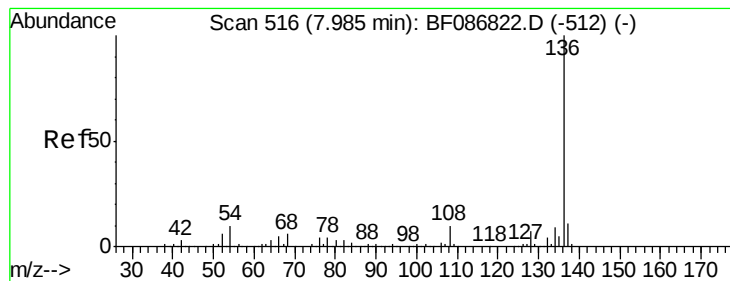


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 477772

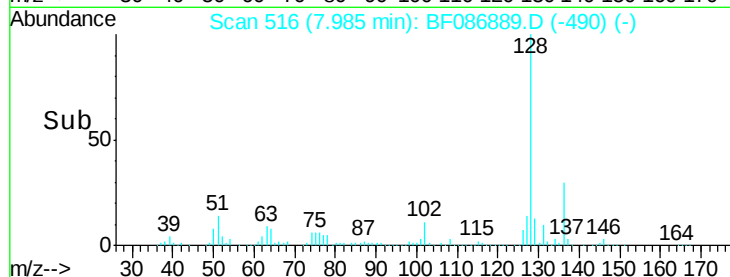
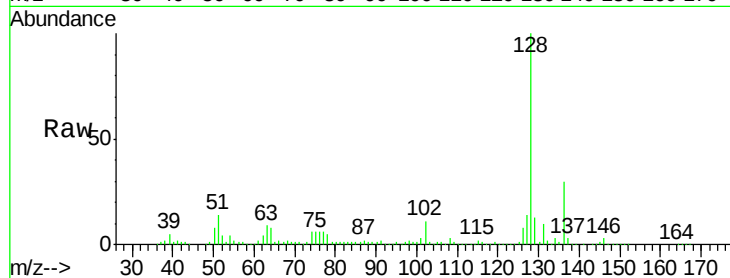
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 11.7 5.0 7.4#

68 6.7 4.4 6.6#

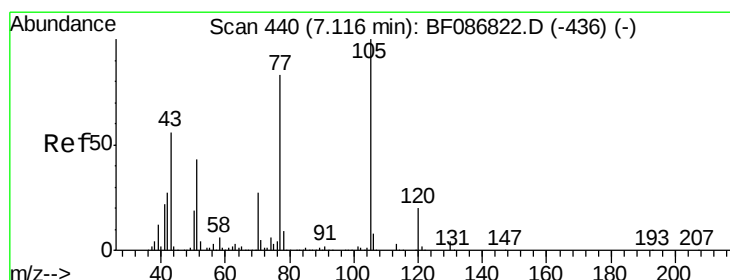
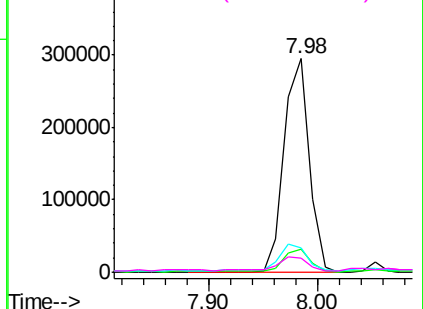


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.18 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.03 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tgt Ion:105 Resp: 47228

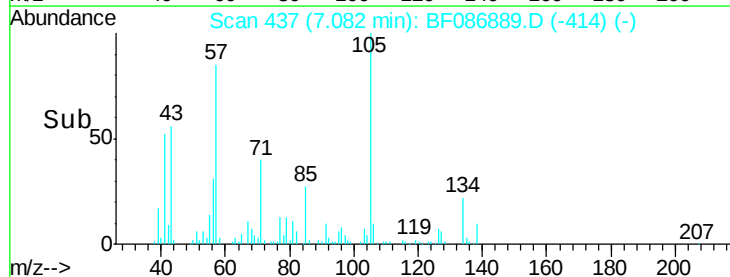
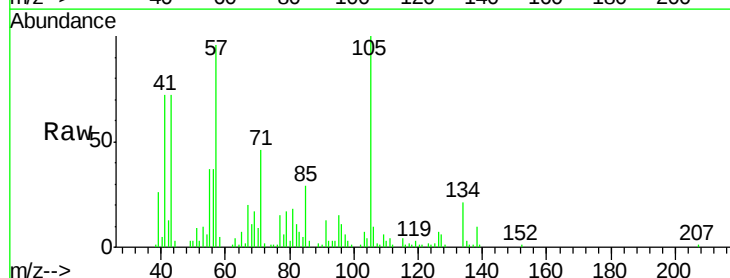
Ion Ratio Lower Upper

105 100

71 46.5 4.8 7.2#

51 8.8 32.6 49.0#

120 0.5 16.5 24.7#

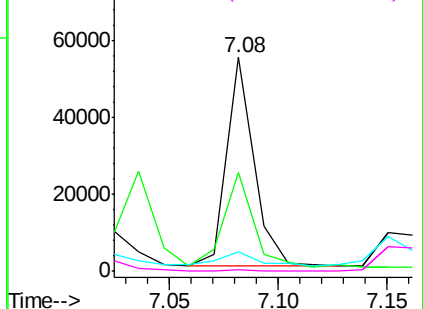


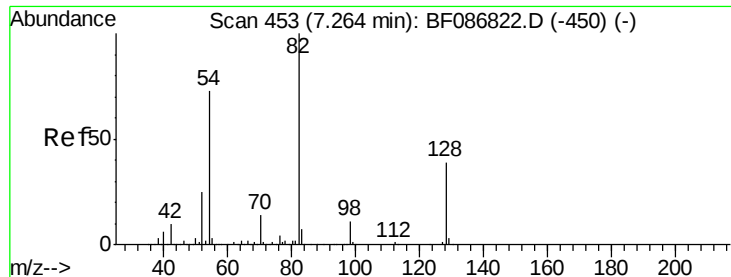
Abundance Ion 105.00 (104.70 to 105.70): E

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

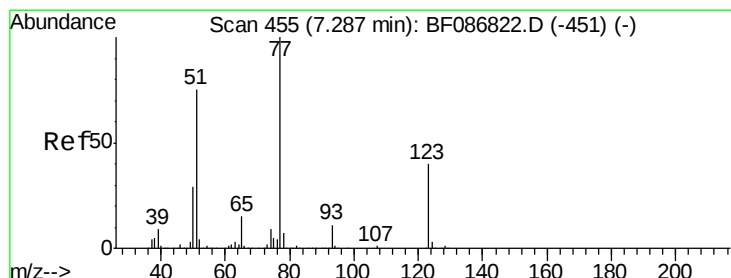
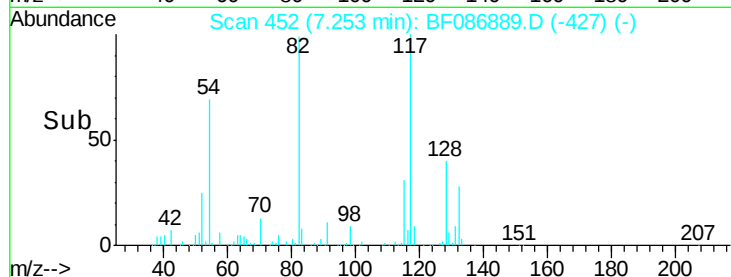
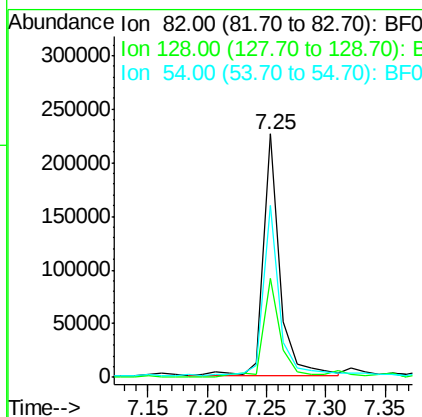
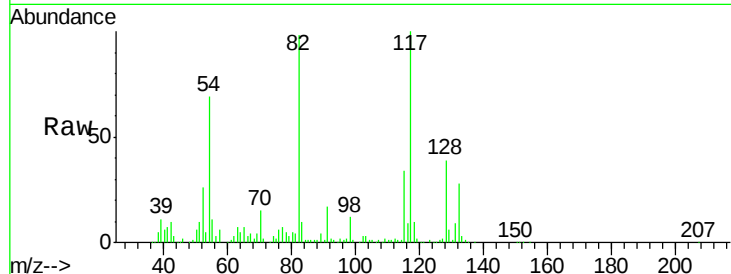




#23
Nitrobenzene-d5
Concen: 22.65 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

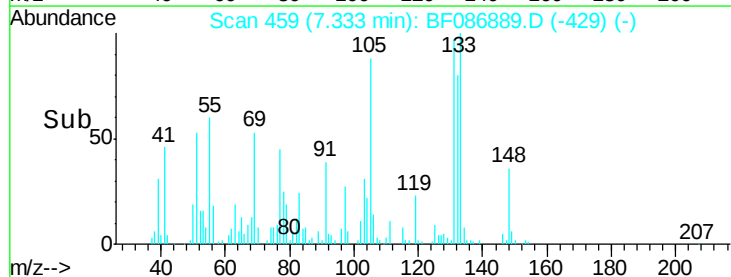
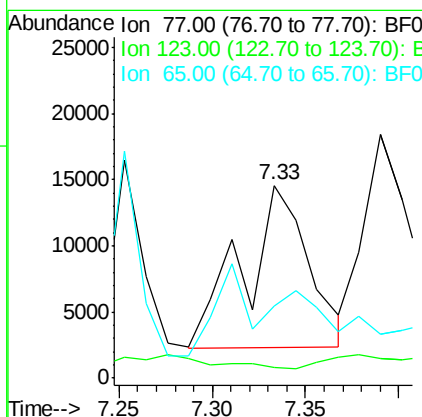
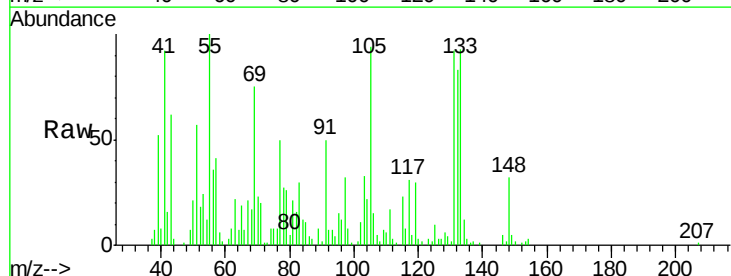
Instrument :
BNA_F
ClientSampleId :

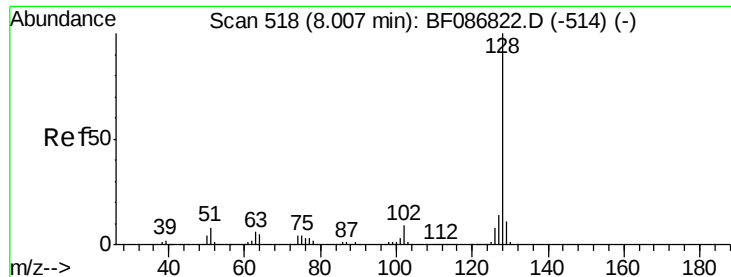
Tot Ion	82	Resp	215560
Ion Ratio	Lower	Upper	
82	100		
128	40.5	40.6	61.0#
54	70.4	38.1	57.1#



#24
Nitrobenzene
Concen: 3.05 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.05 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Tgt Ion	77	Resp	29825
Ion Ratio	Lower	Upper	
77	100		
123	5.5	33.0	49.4#
65	37.4	10.8	16.2#

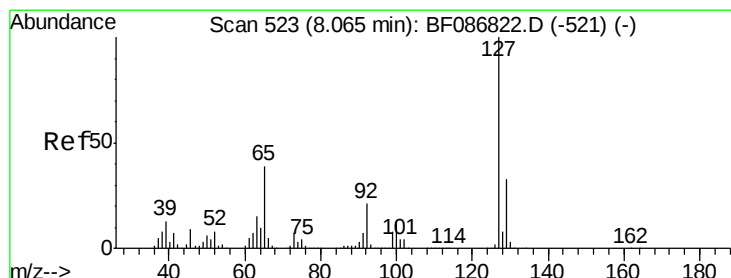
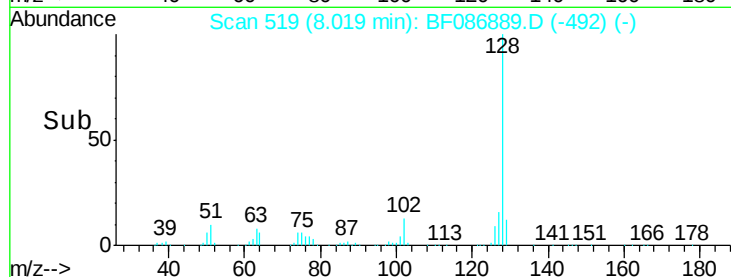
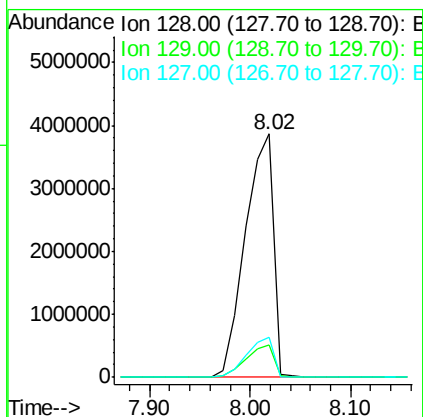
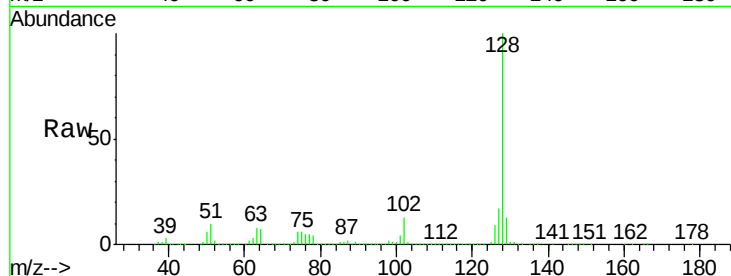




#31
Naphthalene
Concen: 312.45 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.01 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

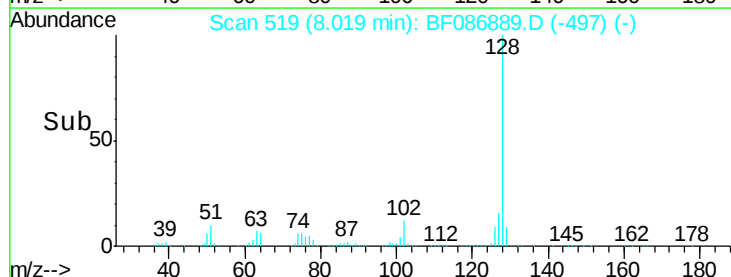
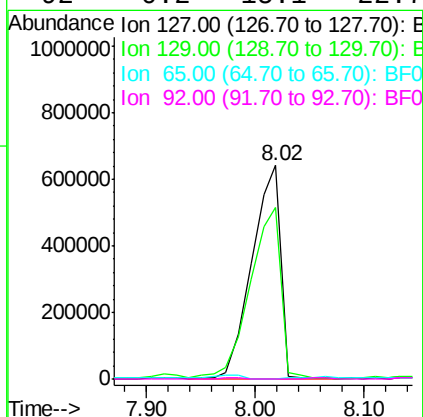
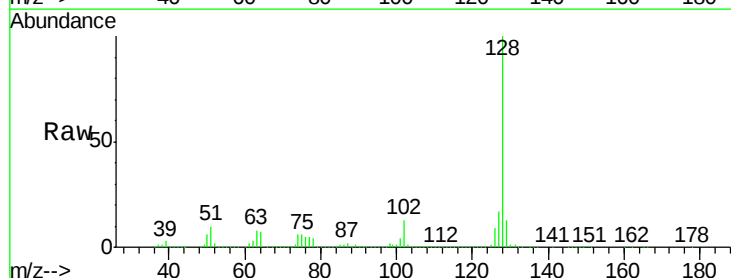
Instrument :
BNA_F
ClientSampled :

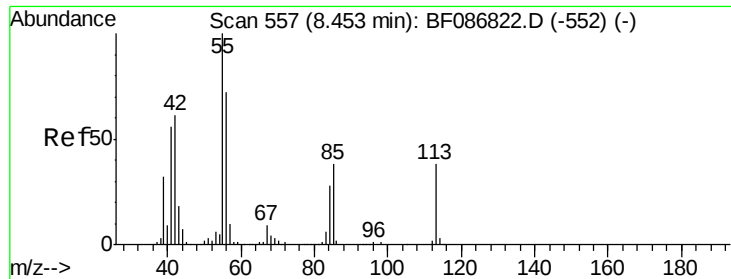
Tot Ion:128 Resp: 7476991
Ion Ratio Lower Upper
128 100
129 13.3 8.6 13.0#
127 16.6 10.8 16.2#



#33
4-Chloroaniline
Concen: 126.29 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Tgt Ion:127 Resp: 1174306
Ion Ratio Lower Upper
127 100
129 80.1 26.2 39.4#
65 0.0 23.0 34.4#
92 0.2 15.1 22.7#





#35

Caprolactam

Concen: 8.29 ng

RT: 8.41 min Scan# 553

Delta R.T. -0.05 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

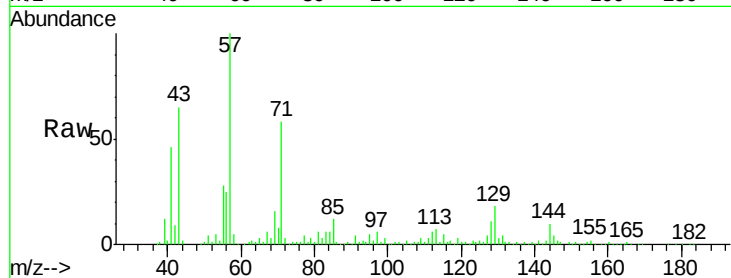
Tot Ion:113 Resp: 18188

Ion Ratio Lower Upper

113 100

55 407.7 162.0 202.0#

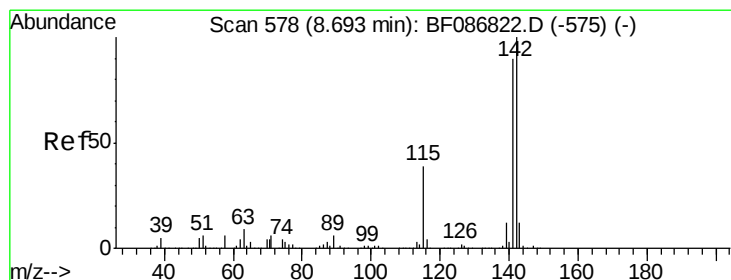
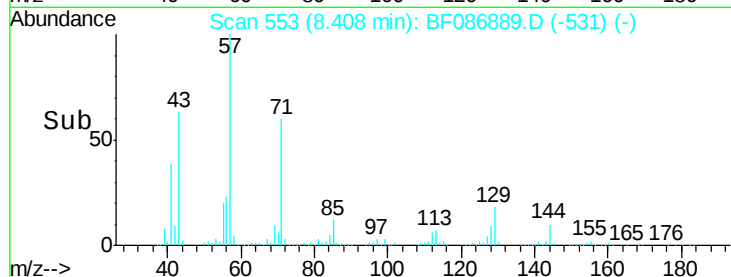
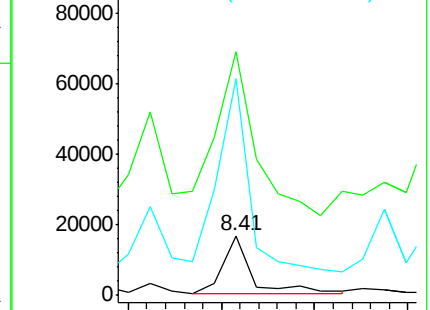
56 362.9 115.3 155.3#



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



#37

2-Methylnaphthalene

Concen: 110.89 ng

RT: 8.80 min Scan# 587

Delta R.T. 0.10 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

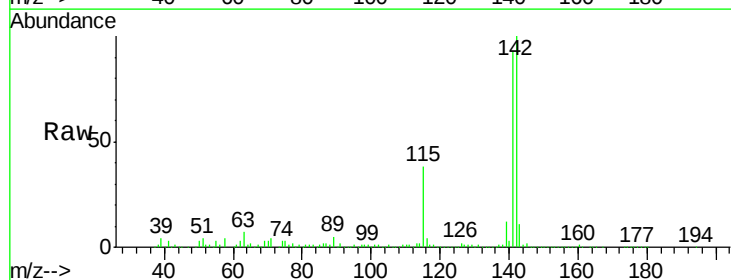
Tgt Ion:142 Resp: 1551442

Ion Ratio Lower Upper

142 100

141 92.6 71.0 106.6

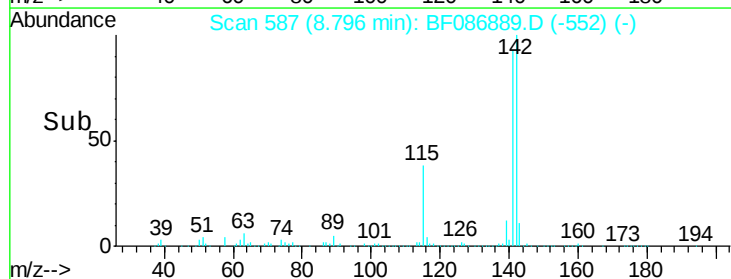
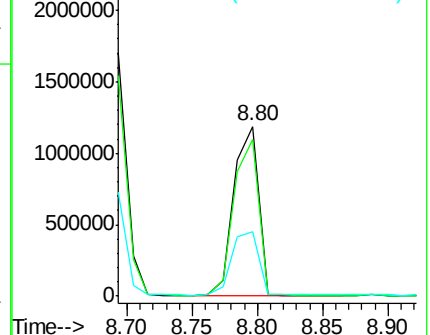
115 38.1 26.6 39.8

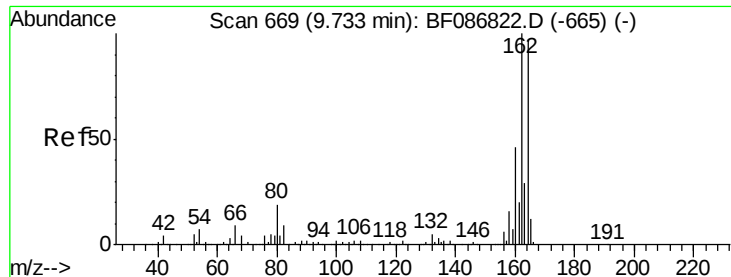


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

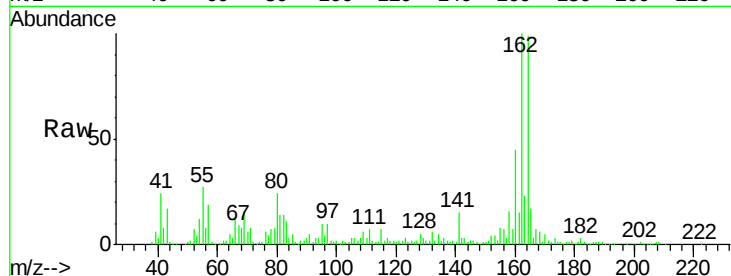
Tot Ion:164 Resp: 217627

Ion Ratio Lower Upper

164 100

162 101.1 82.8 124.2

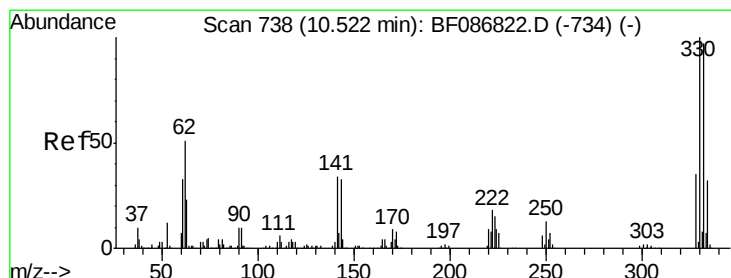
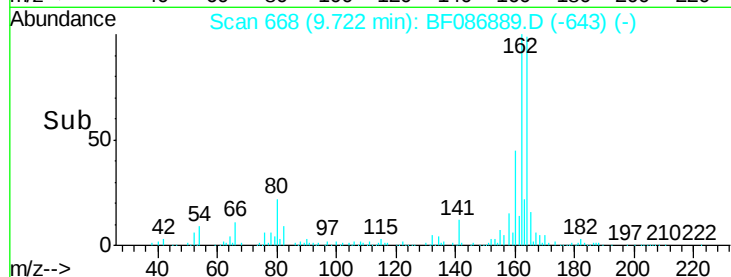
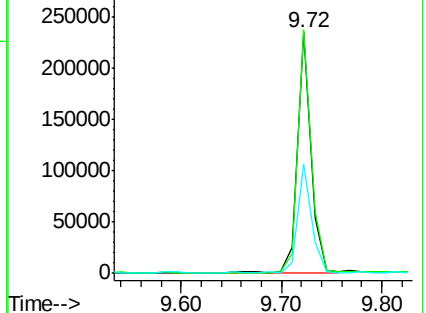
160 45.6 36.9 55.3



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: 21.42 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

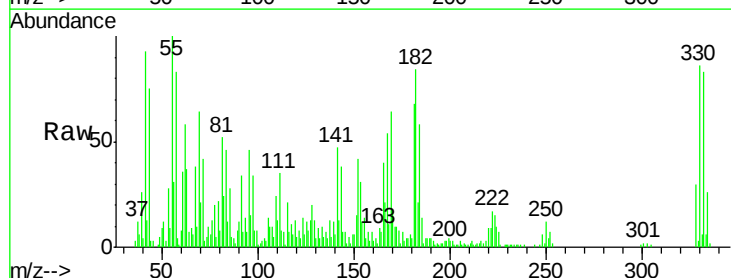
Tgt Ion:330 Resp: 49354

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

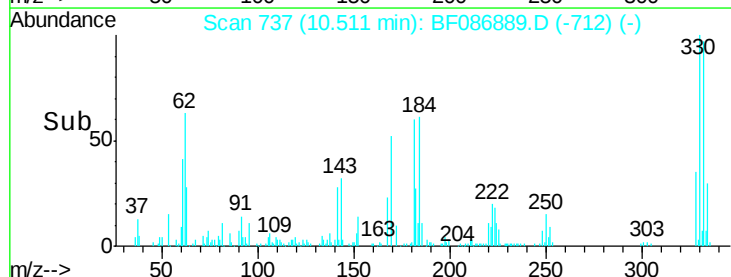
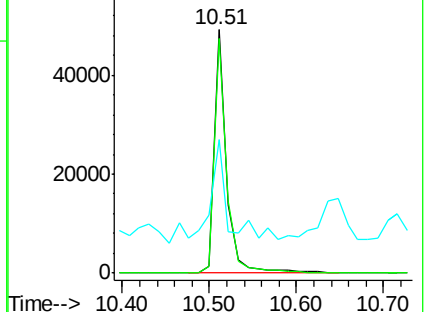
141 55.3 31.2 46.8#

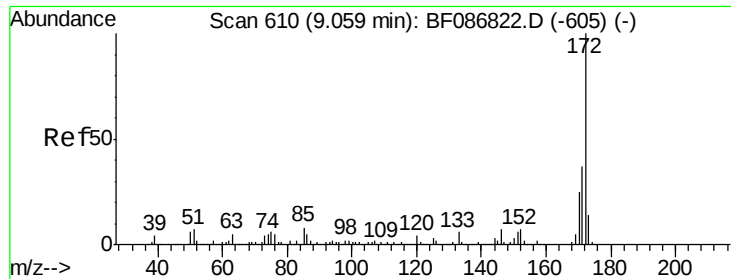


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 27.52 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

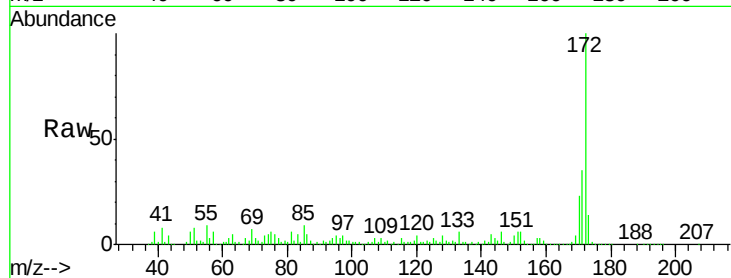
Tot Ion:172 Resp: 356406

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

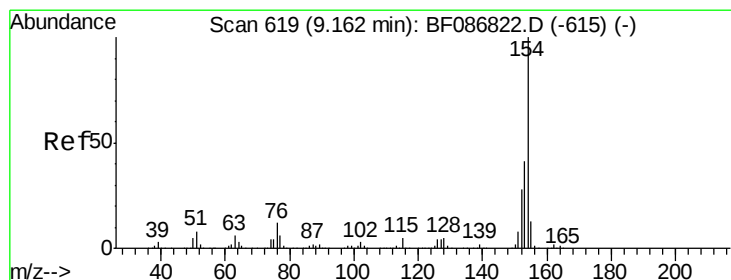
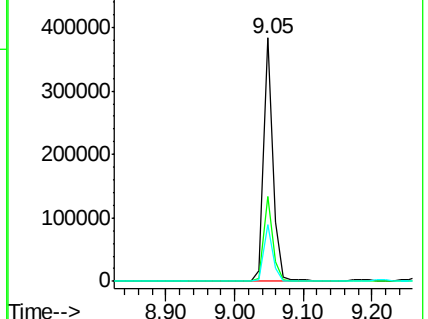
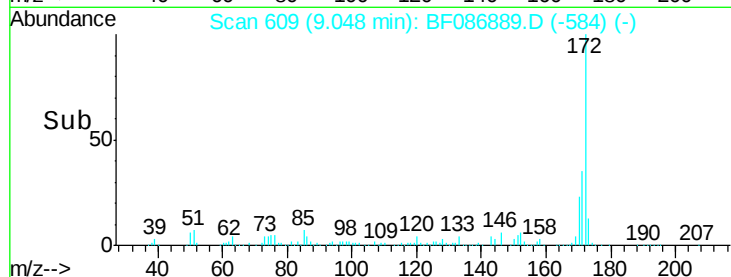
170 23.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 24.30 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

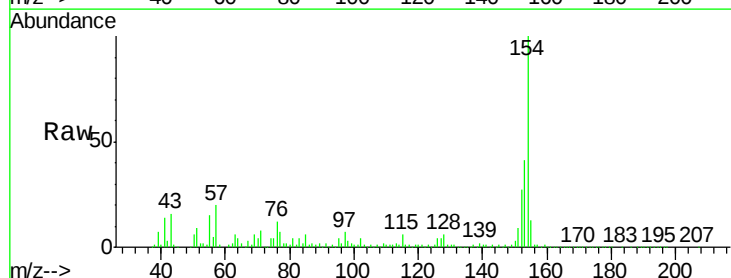
Tgt Ion:154 Resp: 420642

Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

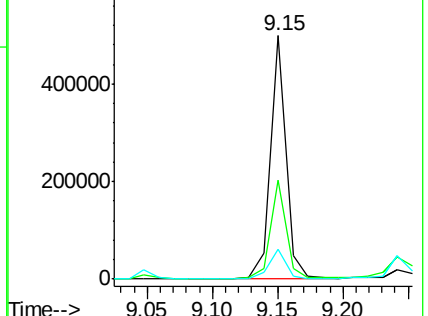
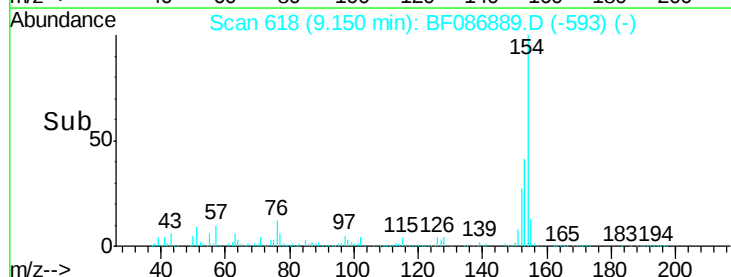
76 12.4 0.0 30.2

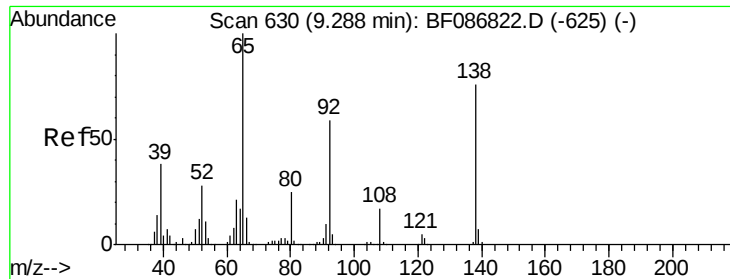


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

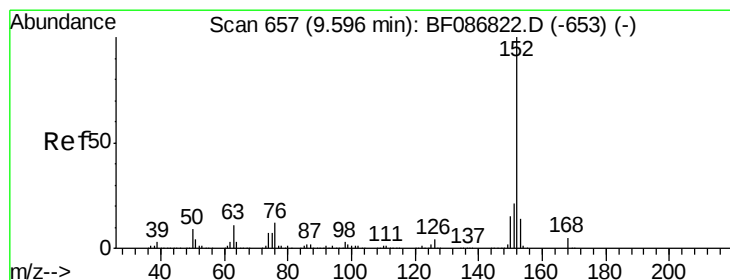
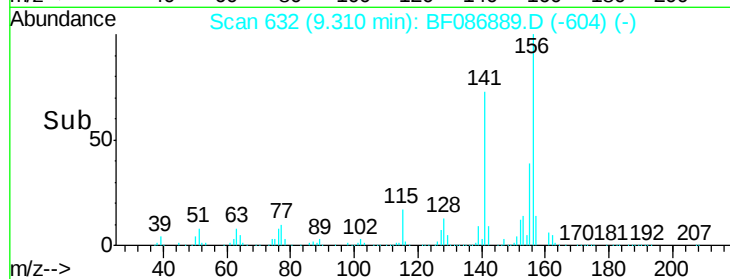
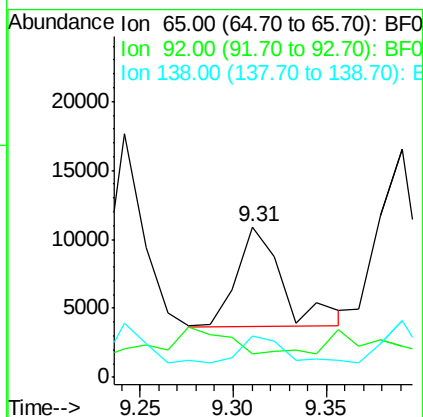
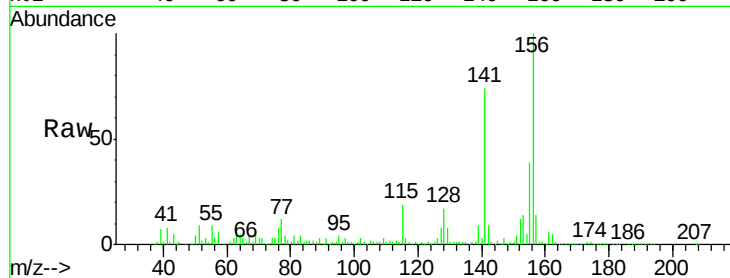




#47
2-Nitroaniline
Concen: 2.52 ng
RT: 9.31 min Scan# 632
Delta R.T. 0.02 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

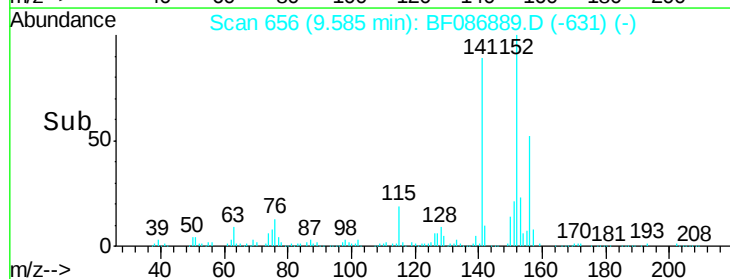
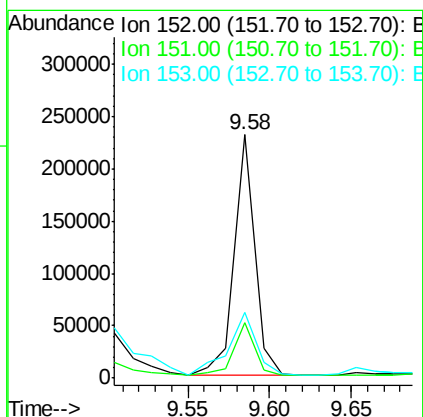
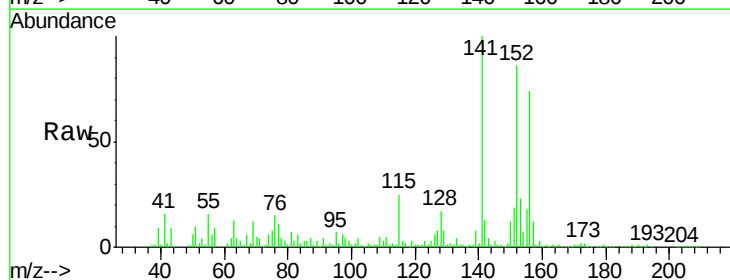
Instrument :
BNA_F
ClientSampled :

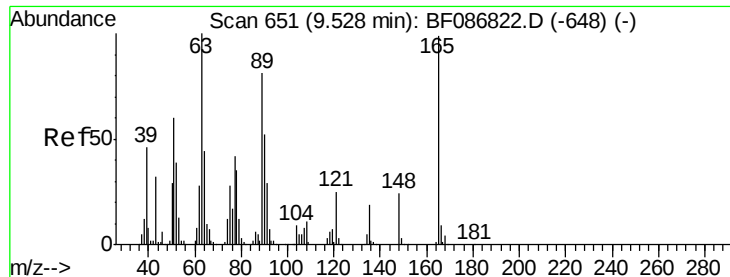
Tot Ion: 65 Resp: 12482
Ion Ratio Lower Upper
65 100
92 15.9 57.4 86.2#
138 27.8 90.1 135.1#



#48
Acenaphthylene
Concen: 10.07 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Tgt Ion: 152 Resp: 200825
Ion Ratio Lower Upper
152 100
151 22.5 16.8 25.2
153 27.1 10.9 16.3#

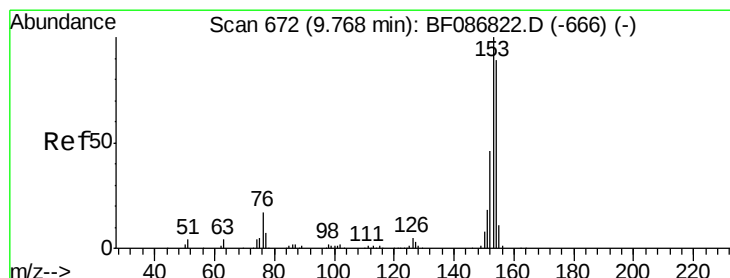
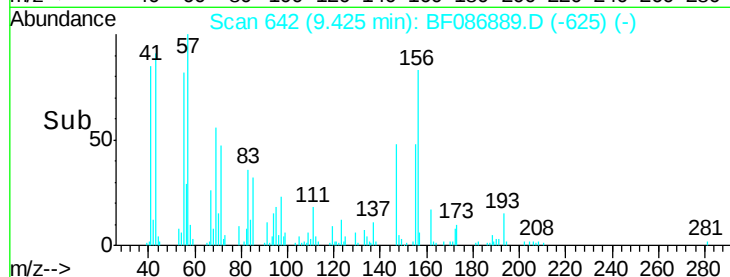
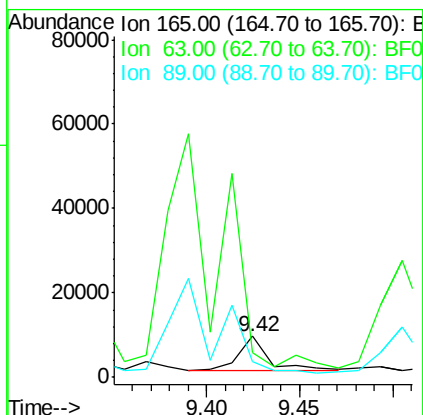
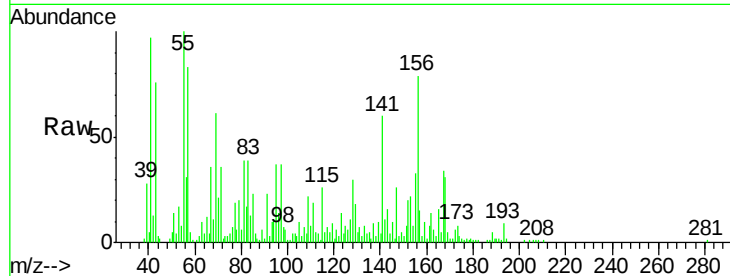




#50
2,6-Dinitrotoluene
Concen: 2.53 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.10 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

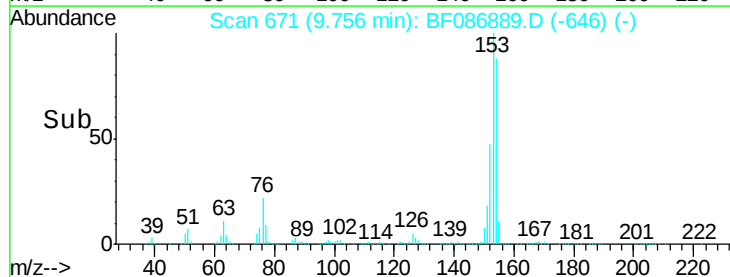
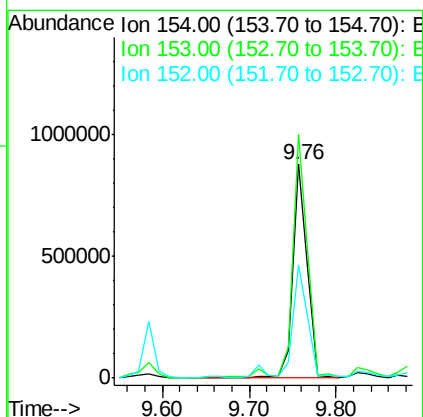
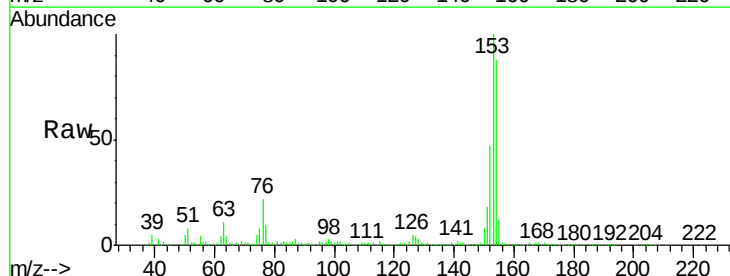
Instrument :
BNA_F
ClientSampleId :

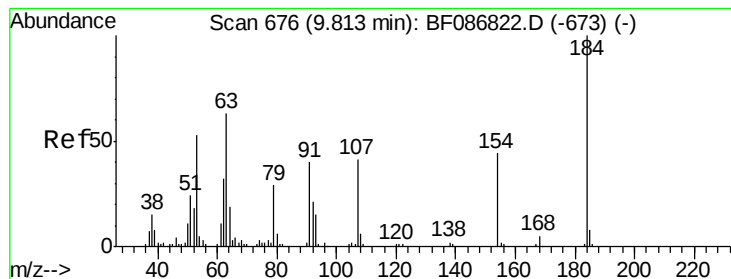
Tot Ion:165 Resp: 8838
Ion Ratio Lower Upper
165 100
63 61.5 51.8 77.8
89 38.0 50.7 76.1#



#51
Acenaphthene
Concen: 81.29 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Tgt Ion:154 Resp: 1008733
Ion Ratio Lower Upper
154 100
153 113.8 89.8 134.6
152 53.0 43.4 65.0





#53

2,4-Dinitrophenol

Concen: 8.32 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampled :

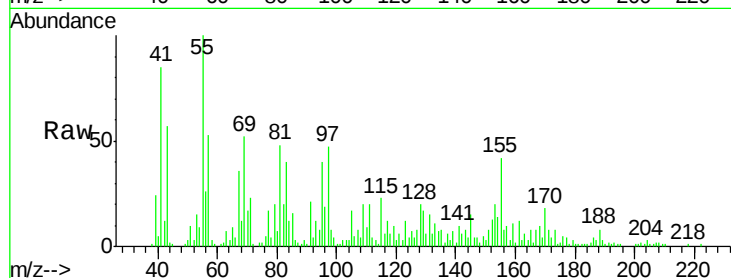
Tot Ion:184 Resp: 1235

Ion Ratio Lower Upper

184 100

63 546.2 55.8 83.8#

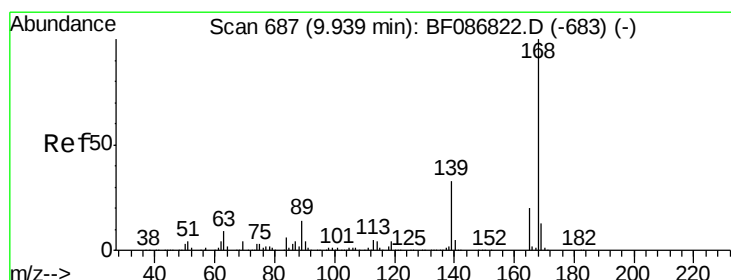
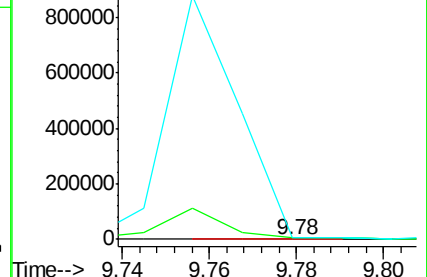
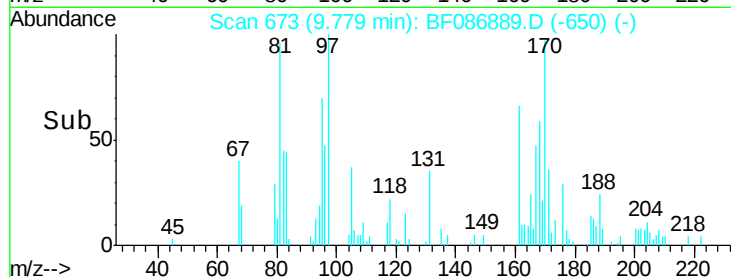
154 1077.5 62.4 93.6#



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: 6.10 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

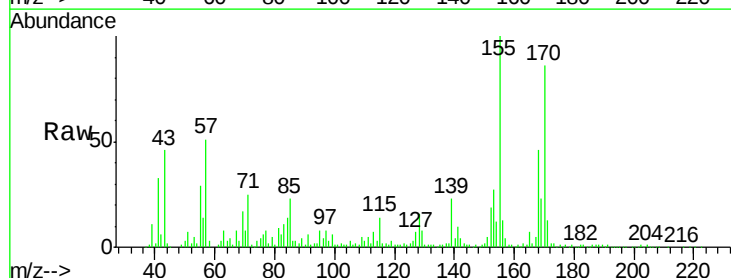
Tgt Ion:168 Resp: 97182

Ion Ratio Lower Upper

168 100

139 50.2 31.4 47.0#

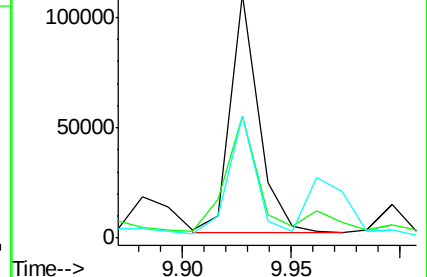
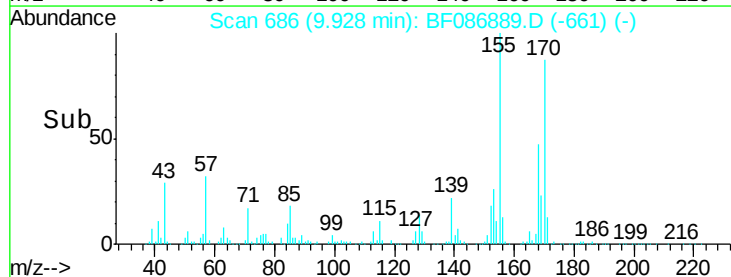
169 49.9 10.7 16.1#

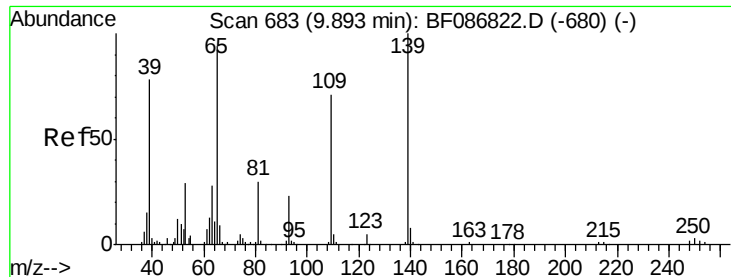


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 5.94 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampled :

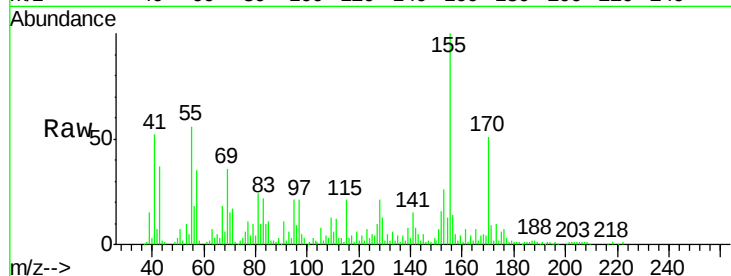
Tot Ion:139 Resp: 3584

Ion Ratio Lower Upper

139 100

109 159.5 36.9 76.9#

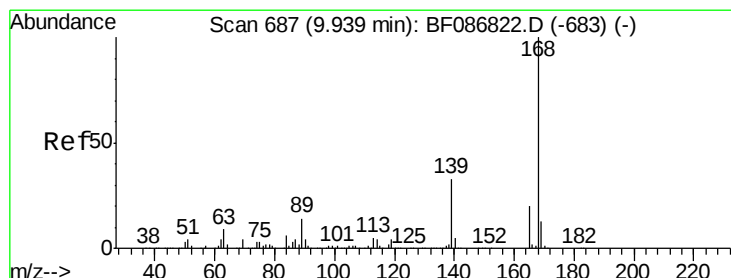
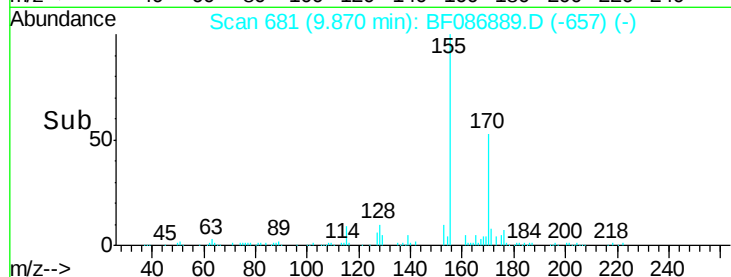
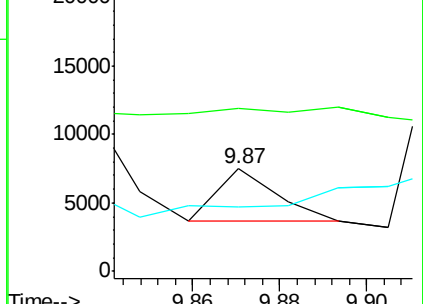
65 62.9 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.99 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Tgt Ion:165 Resp: 30247

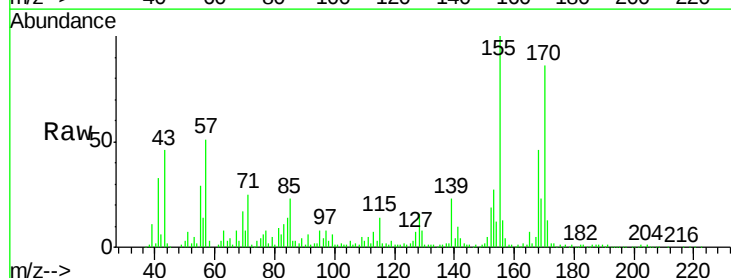
Ion Ratio Lower Upper

165 100

63 126.4 44.3 66.5#

89 60.3 70.0 105.0#

182 15.0 1.8 2.6#

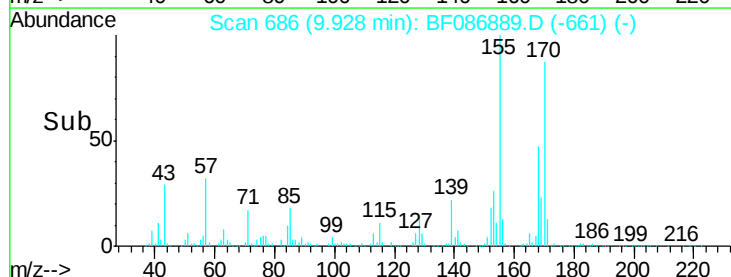
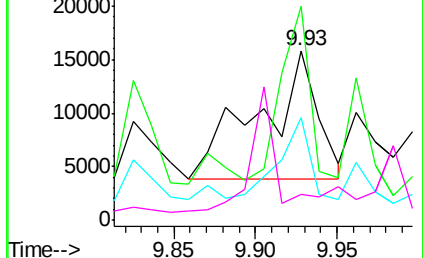


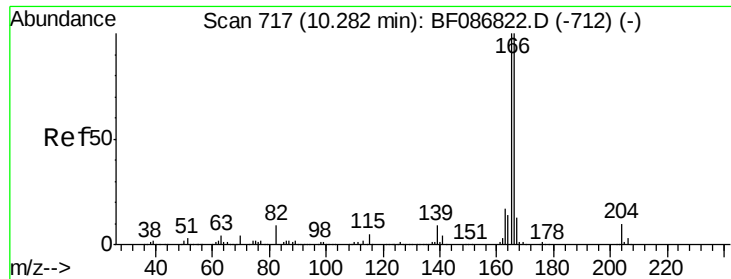
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

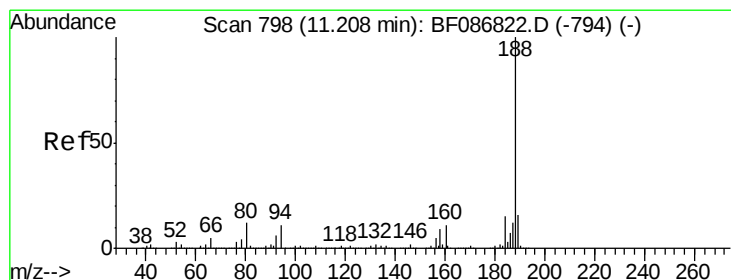
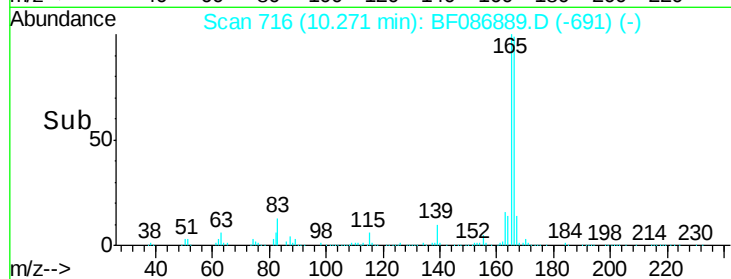
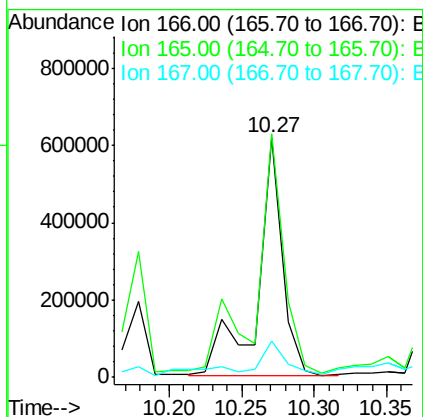
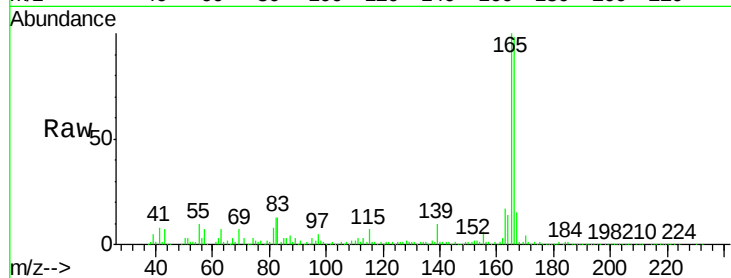




#57
Fluorene
 Concen: 54.88 ng
 RT: 10.27 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

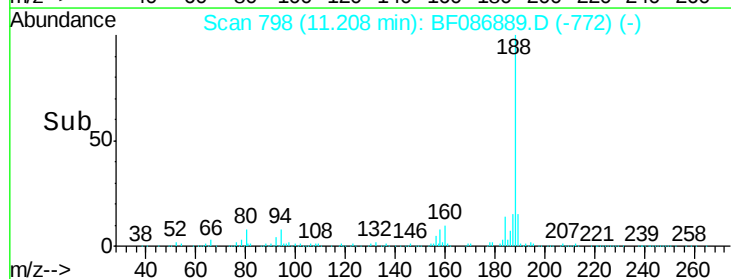
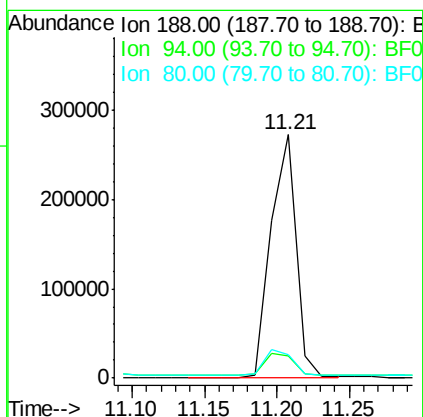
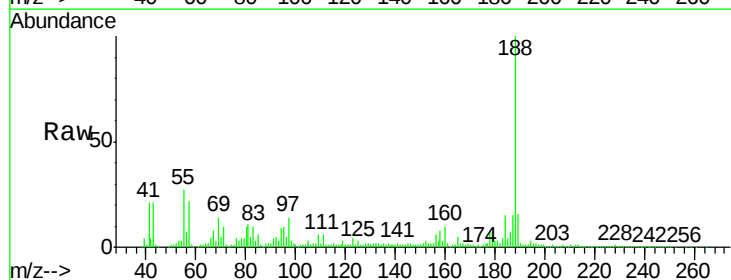
Instrument :
 BNA_F
 ClientSampleId :

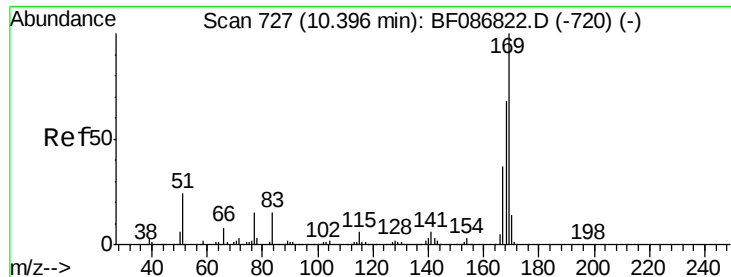
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.8	79.0	118.6
167	15.1	10.6	15.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: BF086889.D
 Acq: 11 May 2016 9:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.8	10.2
80	9.5	7.1	10.7





#65

n-Nitrosodiphenylamine

Concen: 8.78 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

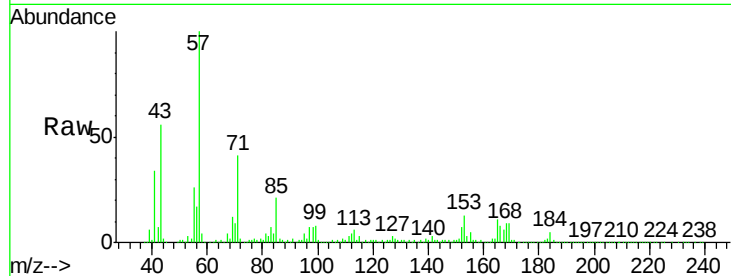
Tot Ion:169 Resp: 88457

Ion Ratio Lower Upper

169 100

168 94.6 53.8 80.6#

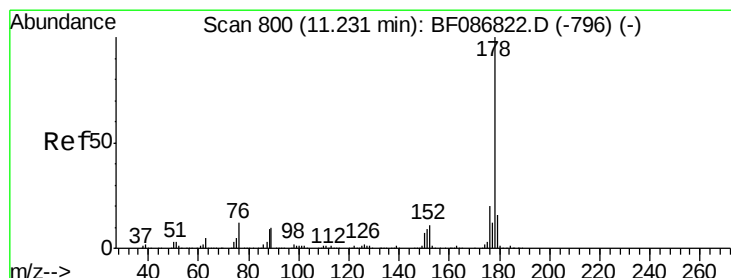
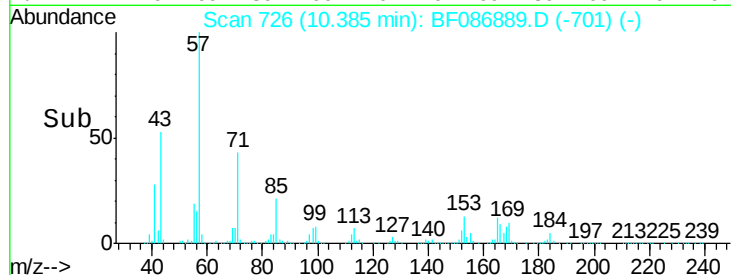
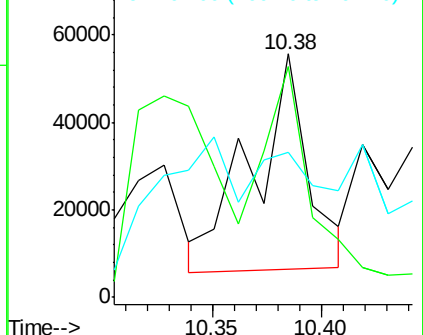
167 59.7 29.5 44.3#



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



#70

Phenanthrene

Concen: 108.16 ng

RT: 11.23 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

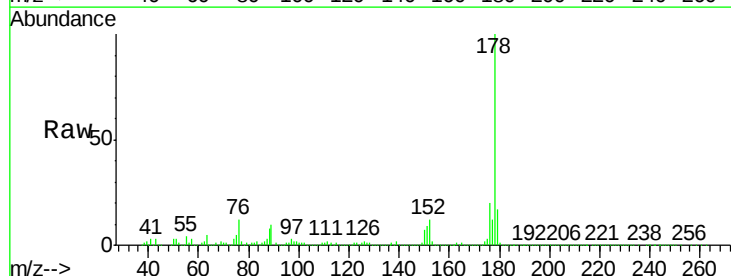
Tgt Ion:178 Resp: 1892619

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

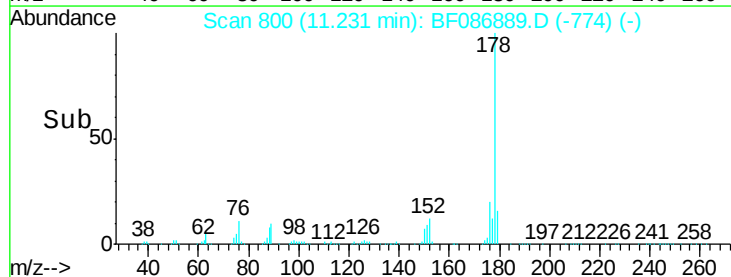
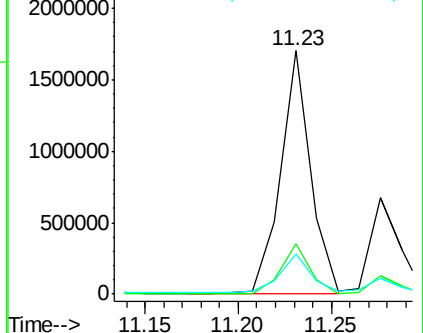
179 16.7 12.6 18.8

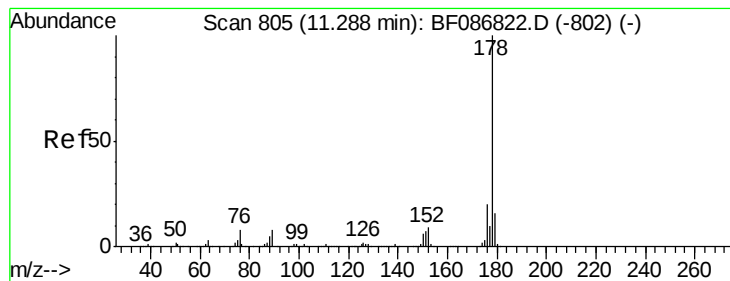


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 38.77 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

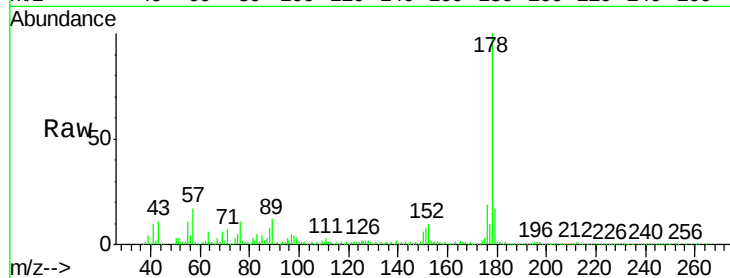
Tot Ion:178 Resp: 693852

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

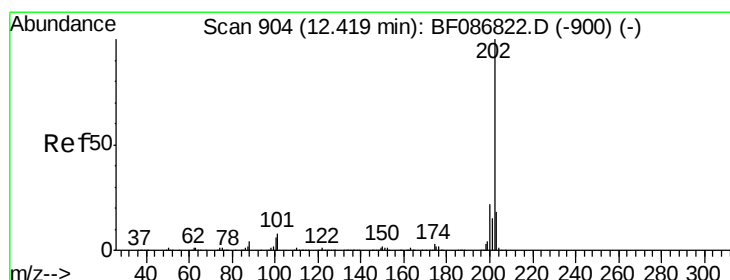
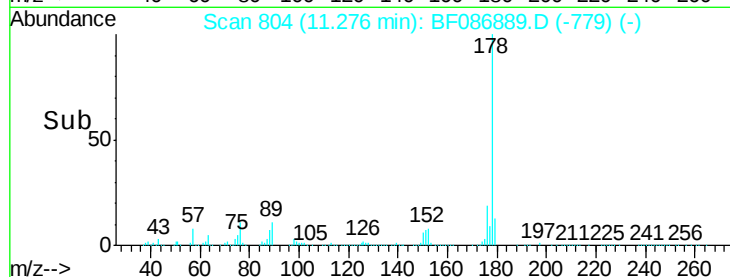
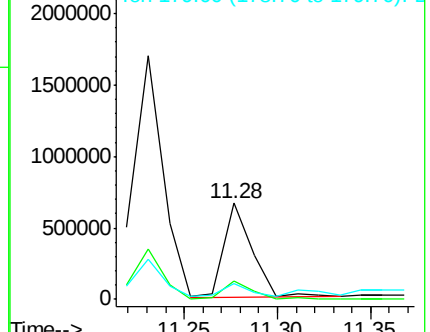
179 16.7 12.7 19.1



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: 38.08 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

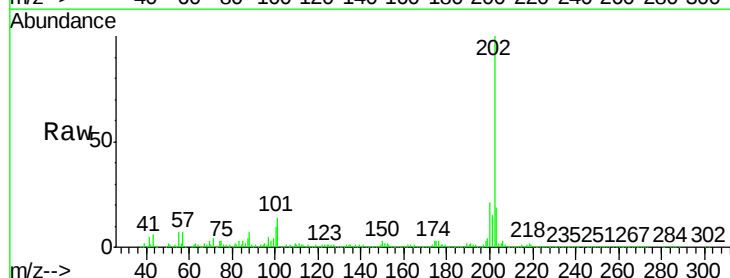
Tgt Ion:202 Resp: 685439

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.4

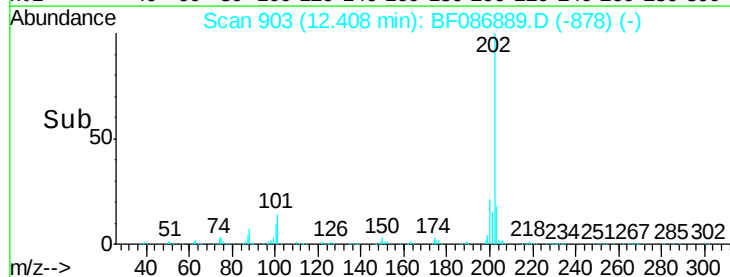
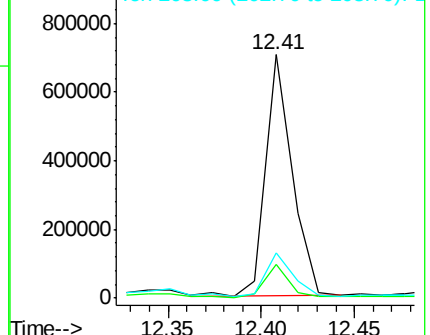
203 18.5 0.0 38.1

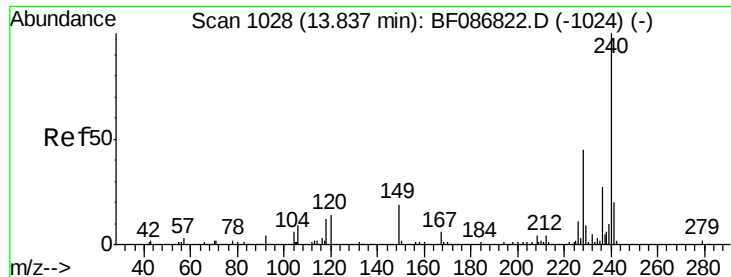


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

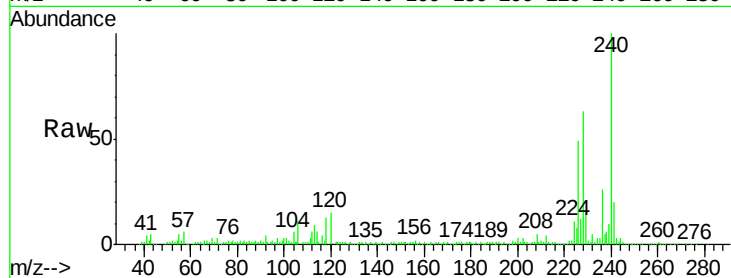
Tot Ion:240 Resp: 270635

Ion Ratio Lower Upper

240 100

120 14.9 11.2 16.8

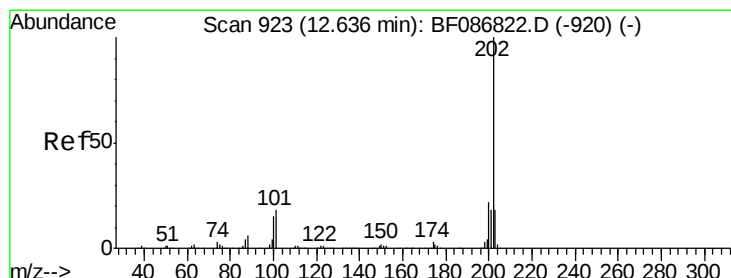
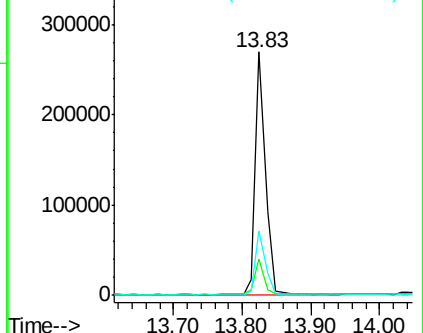
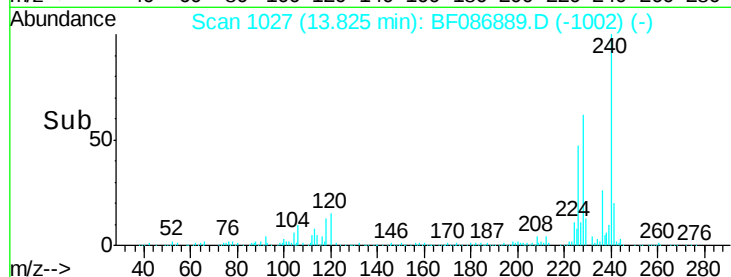
236 26.3 21.2 31.8



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: 48.23 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

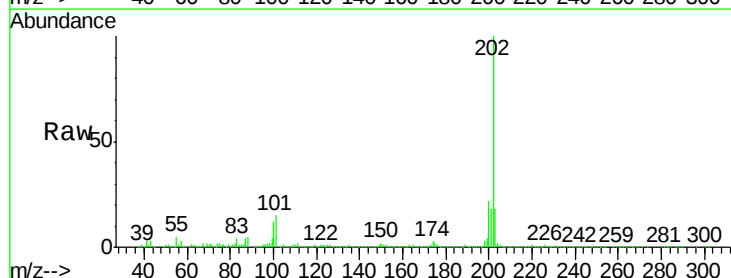
Tgt Ion:202 Resp: 999278

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

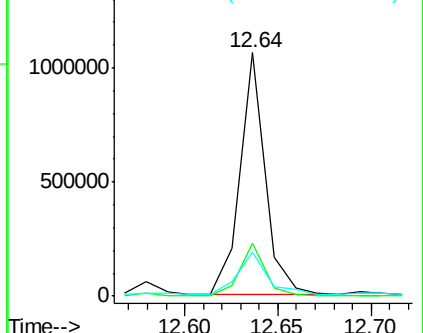
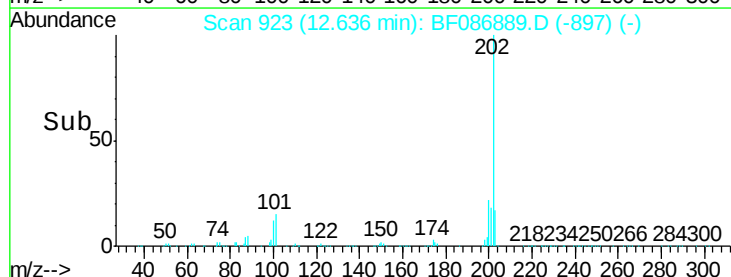
203 18.1 14.2 21.4

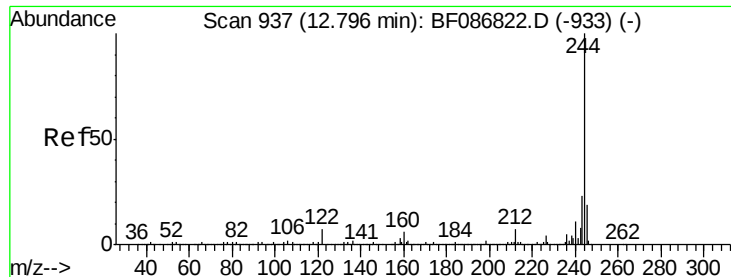


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 18.70 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

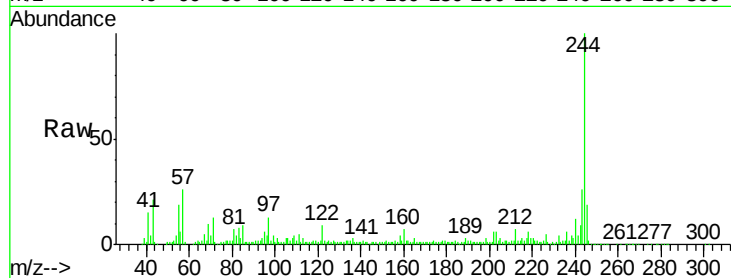
Tot Ion:244 Resp: 238525

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

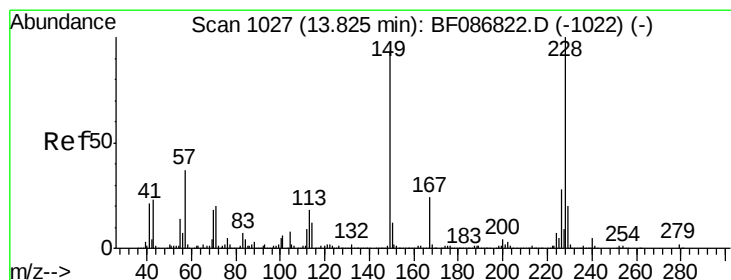
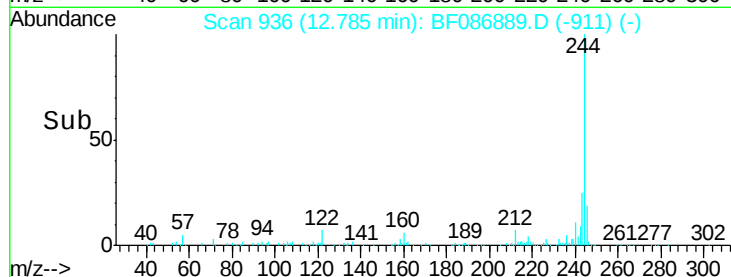
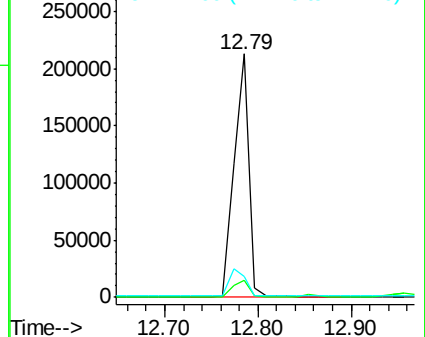
122 8.5 12.0 18.0#



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: 24.59 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

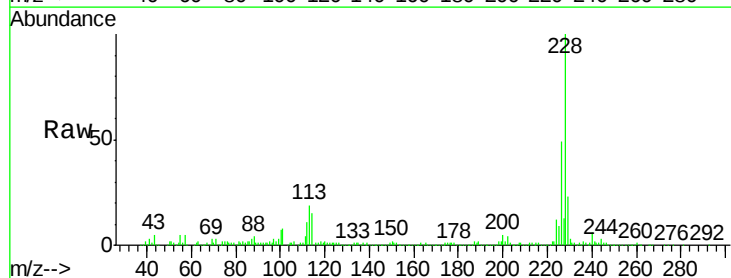
Tgt Ion:228 Resp: 373536

Ion Ratio Lower Upper

228 100

226 49.3 22.5 33.7#

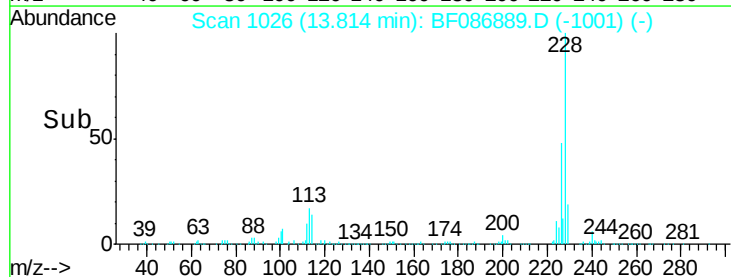
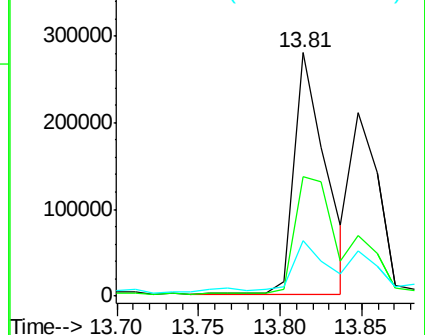
229 22.6 16.6 25.0

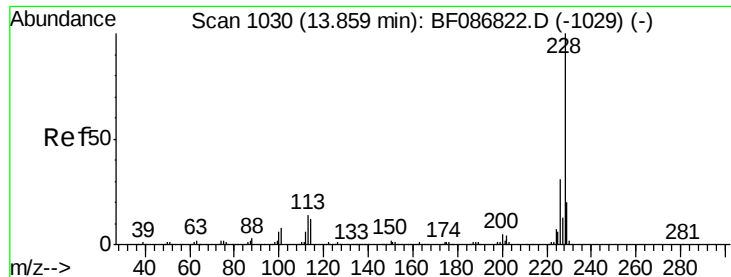


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 24.17 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

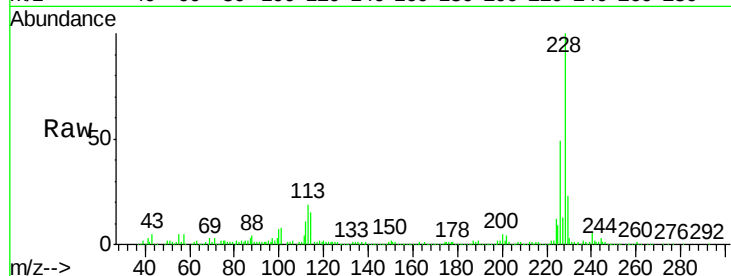
Tot Ion:228 Resp: 373536

Ion Ratio Lower Upper

228 100

226 49.3 24.4 36.6#

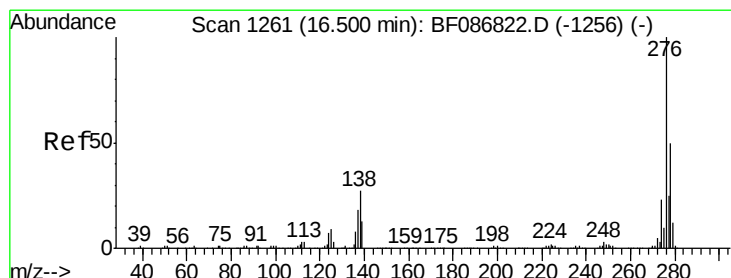
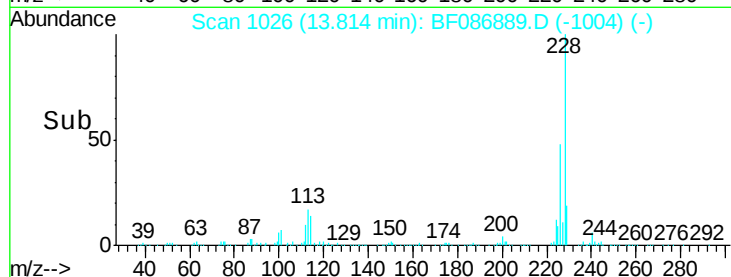
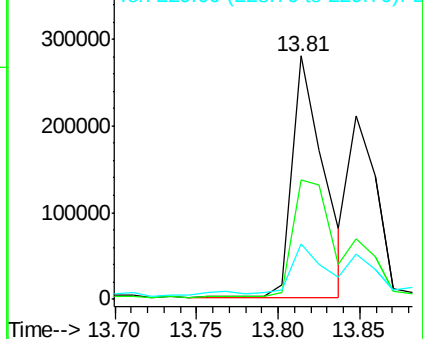
229 22.6 15.8 23.8



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: 5.25 ng

RT: 16.49 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

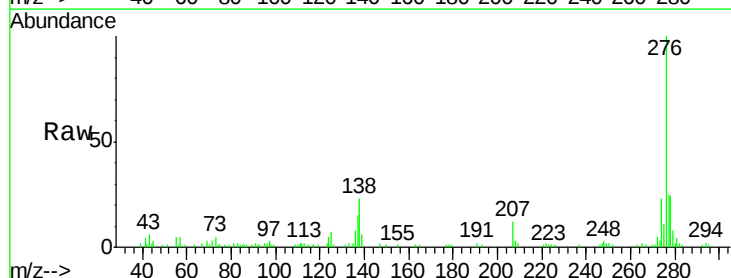
Tgt Ion:276 Resp: 67481

Ion Ratio Lower Upper

276 100

138 22.4 25.6 38.4#

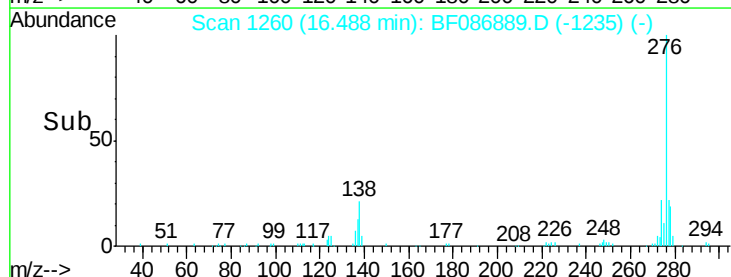
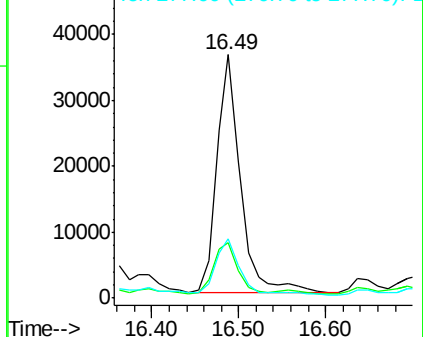
277 21.7 20.5 30.7

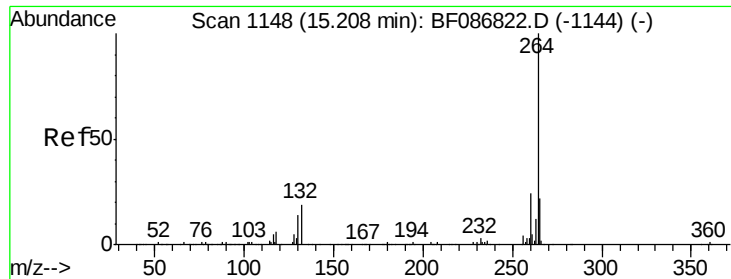


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

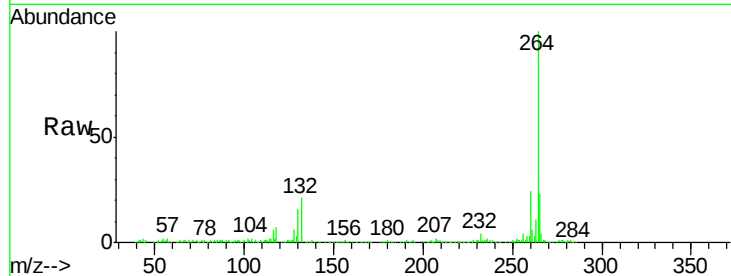
Tot Ion:264 Resp: 258387

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

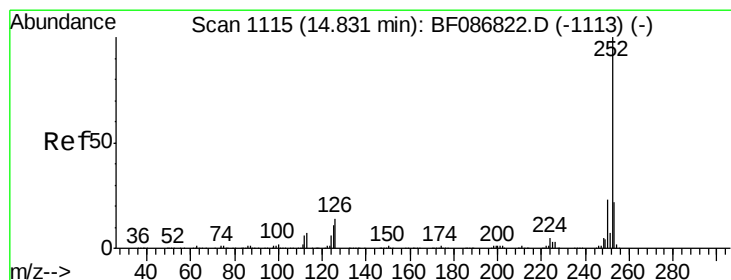
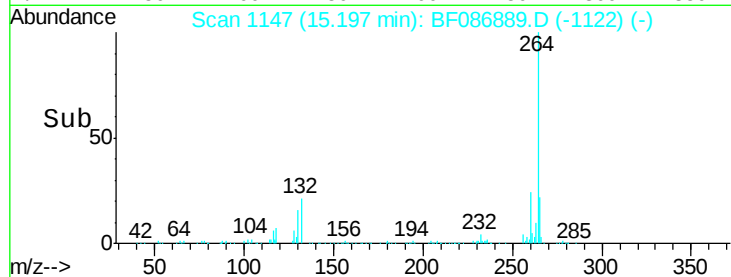
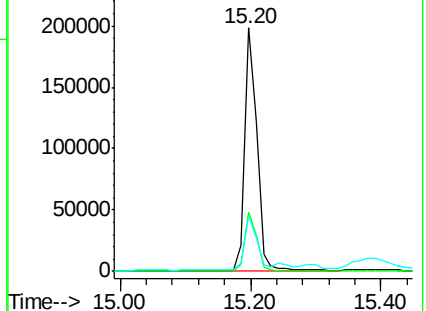
265 22.6 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 14.05 ng

RT: 14.82 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

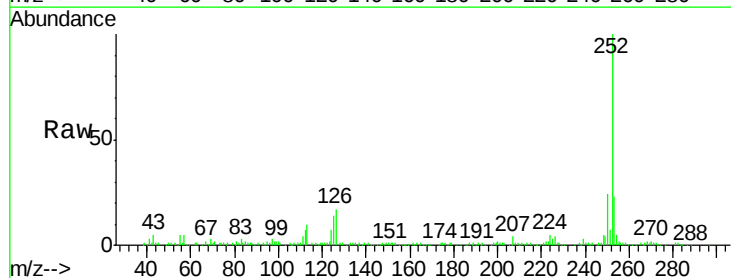
Tgt Ion:252 Resp: 235899

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

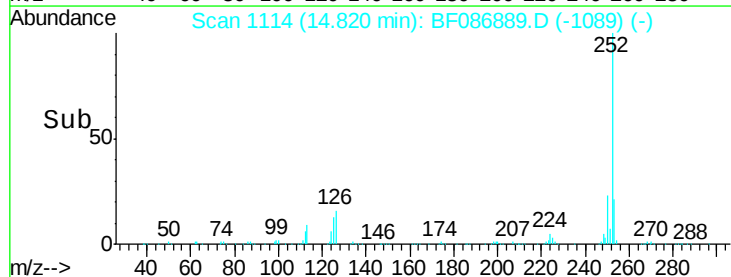
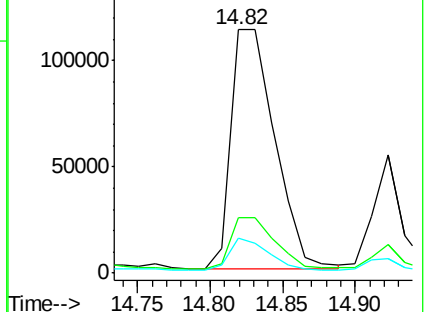
125 14.2 11.4 17.0

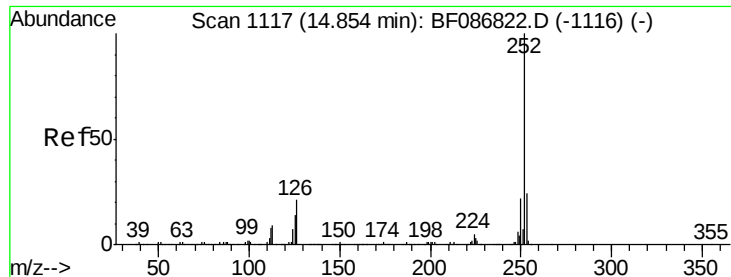


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

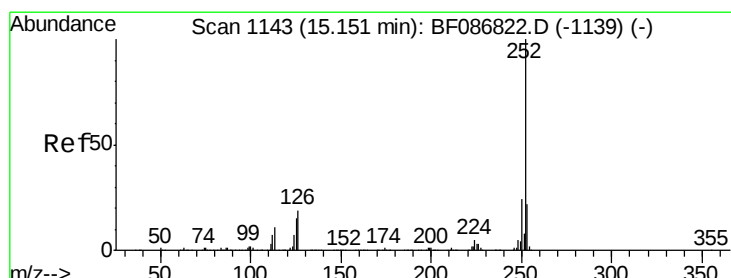
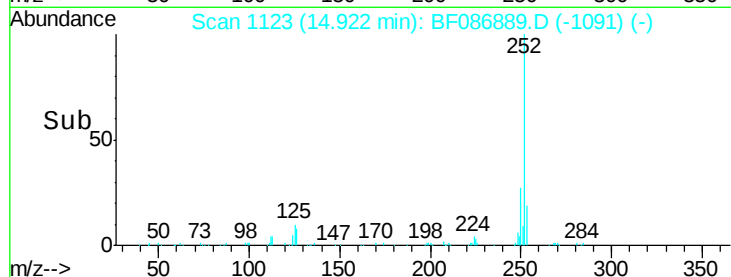
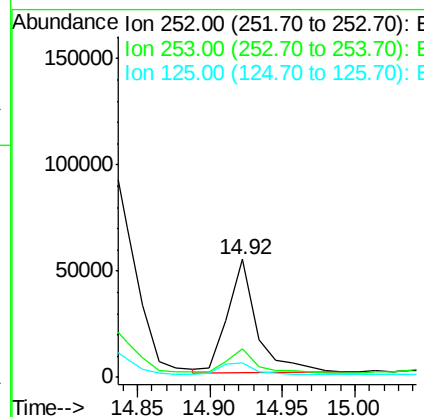
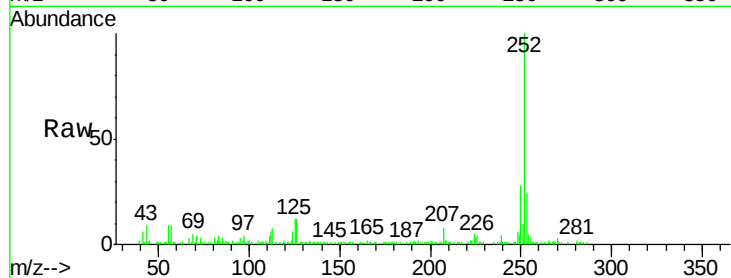




#88
Benzo(k)fluoranthene
Concen: 5.39 ng
RT: 14.92 min Scan# 1123
Delta R.T. 0.07 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

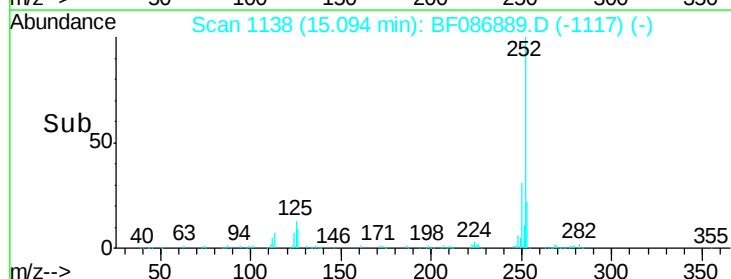
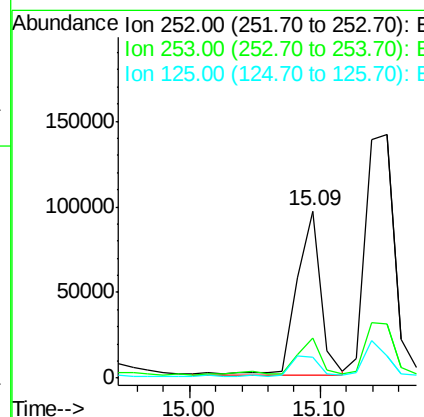
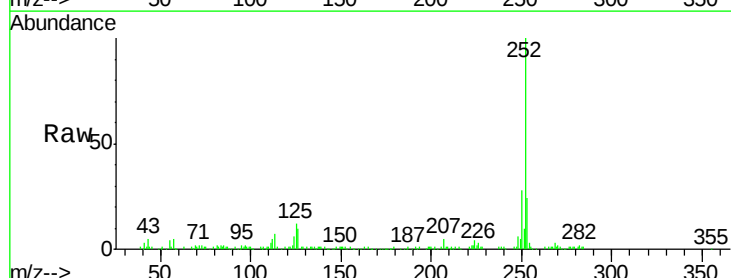
Instrument :
BNA_F
ClientSampleId :

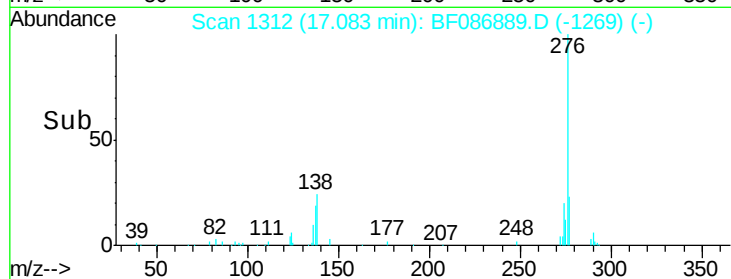
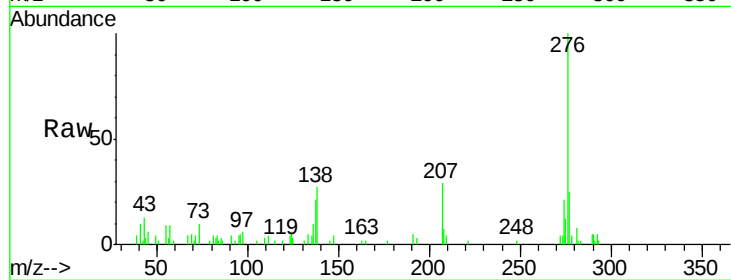
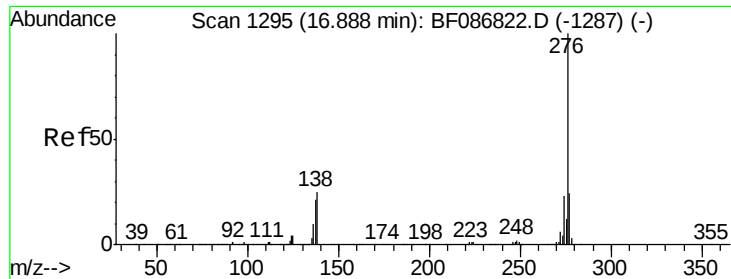
Tot Ion:252 Resp: 74086
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 12.3 9.1 13.7



#89
Benzo(a)pyrene
Concen: 8.33 ng
RT: 15.09 min Scan# 1138
Delta R.T. -0.06 min
Lab File: BF086889.D
Acq: 11 May 2016 9:01

Tgt Ion:252 Resp: 120612
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 12.4 9.0 13.6





#91

Benzo(a,h,i)perylene

Concen: 2.58 ng

RT: 17.08 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF086889.D

Acq: 11 May 2016 9:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 32043

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 27.1 23.6 35.4

