

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088344.D
 Acq On : 24 Jun 2016 21:19
 Operator : UM/SJ
 Sample : H3598-04 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Quant Time: Jun 25 03:41:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	83934	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	335564	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	150493	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	251745	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	175516	20.00	ng	-0.02
86) Perylene-d12	15.07	264	173154	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	52546	10.70	ng	0.00
7) Phenol-d6	6.25	99	84134	14.14	ng	-0.01
23) Nitrobenzene-d5	7.16	82	45574	7.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	14943	9.40	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	72489	2.17	ng	-0.02
78) Terphenyl-d14	12.67	244	37817	4.90	ng	-0.02

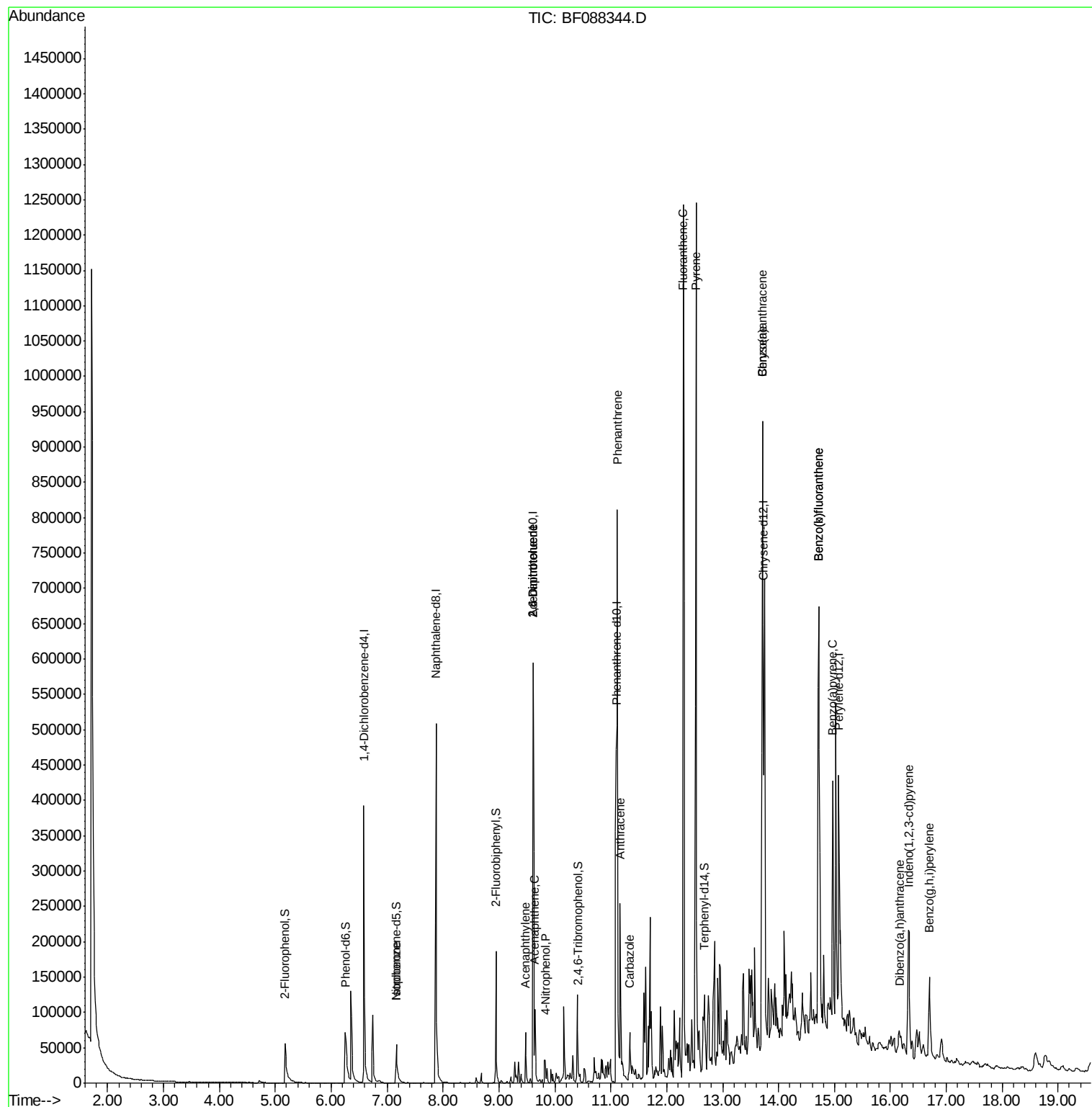
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.28	94	542	Below Cal	#	1
25) Isophorone	7.16	82	45576	4.28	ng	65
45) 1,1'-Biphenyl	9.05	154	1934	Below Cal		89
48) Acenaphthylene	9.47	152	45059	2.91	ng	99
50) 2,6-Dinitrotoluene	9.61	165	20133	8.06	ng	# 39
51) Acenaphthene	9.64	154	24262	2.51	ng	99
55) 4-Nitrophenol	9.83	139	7498	3.35	ng	# 5
56) 2,4-Dinitrotoluene	9.61	165	20412	6.36	ng	# 37
57) Fluorene	10.16	166	40751	Below Cal		98
70) Phenanthrene	11.12	178	411835	31.18	ng	98
71) Anthracene	11.16	178	128994	9.68	ng	98
72) Carbazole	11.34	167	33490	2.69	ng	99
74) Fluoranthene	12.30	202	620994	44.54	ng	97
77) Pyrene	12.53	202	548422	42.11	ng	99
80) Benzo(a)anthracene	13.71	228	377087	37.70	ng	97
82) Chrysene	13.71	228	377087	40.07	ng	99
85) Indeno(1,2,3-cd)pyrene	16.33	276	109404	12.51	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	460729	38.18	ng	# 96
88) Benzo(k)fluoranthene	14.72	252	460729	50.61	ng	98
89) Benzo(a)pyrene	14.97	252	145648	14.92	ng	99
90) Dibenzo(a,h)anthracene	16.16	278	19696	2.17	ng	98
91) Benzo(g,h,i)perylene	16.70	276	90142	9.66	ng	98

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088344.D
Acq On : 24 Jun 2016 21:19
Operator : UM/SJ
Sample : H3598-04 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)

Quant Time: Jun 25 03:41:14 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

PM-STA-1370(0-4)

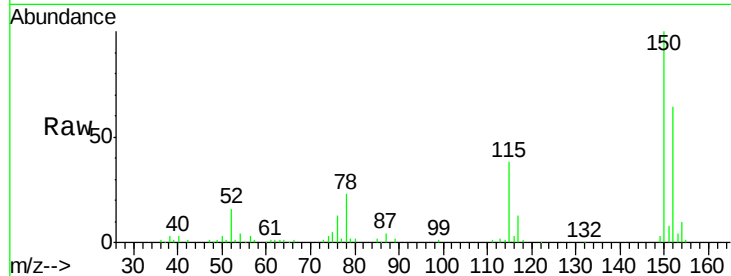
Tgt Ion:152 Resp: 83934

Ion Ratio Lower Upper

152 100

150 157.2 123.8 185.6

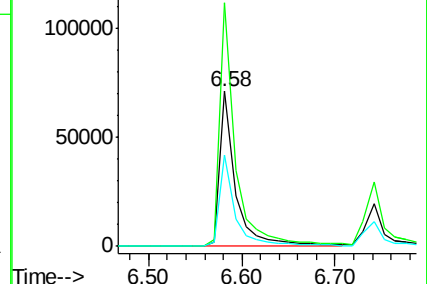
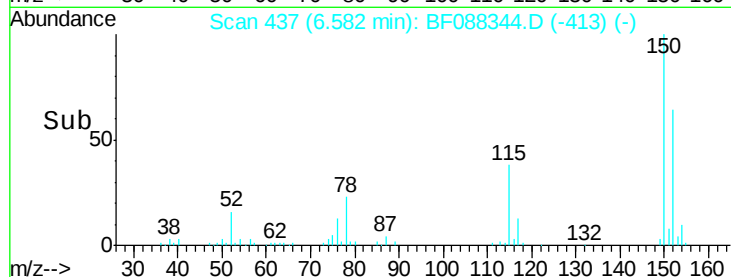
115 59.3 39.6 59.4



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: 10.70 ng

RT: 5.18 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

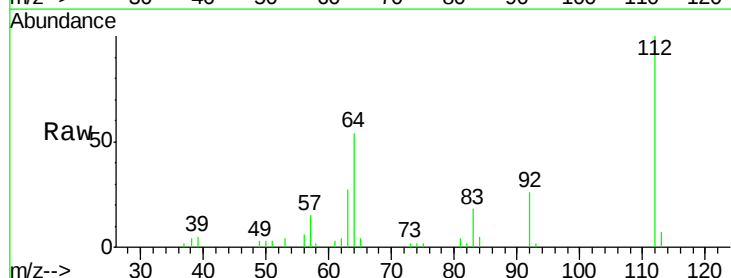
Tgt Ion:112 Resp: 52546

Ion Ratio Lower Upper

112 100

64 53.6 42.2 63.2

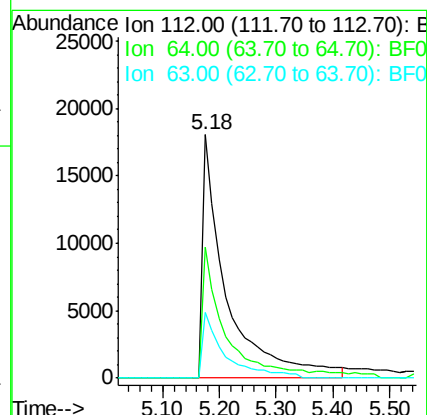
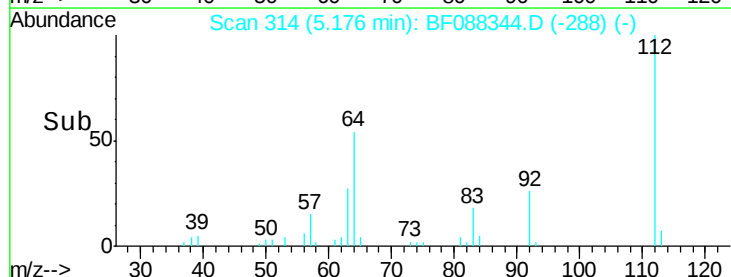
63 26.9 21.8 32.8



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: 14.14 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

PM-STA-1370(0-4)

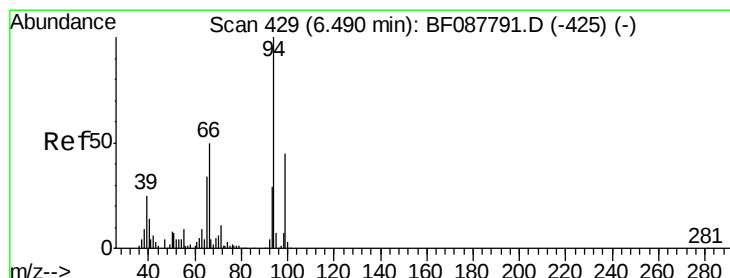
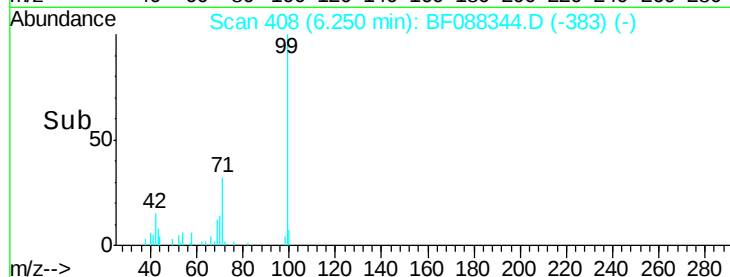
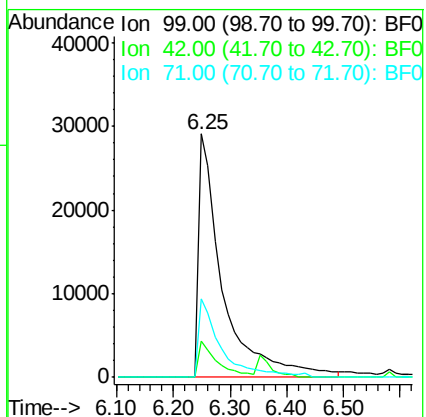
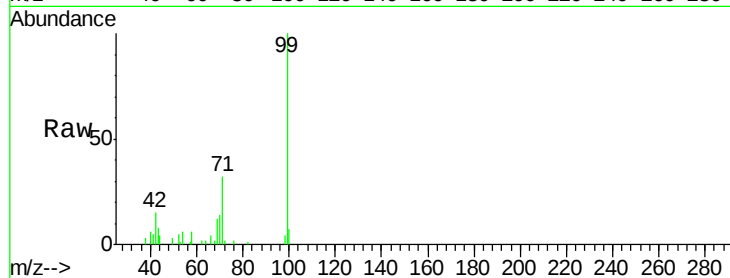
Tgt Ion: 99 Resp: 84134

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

71 32.1 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

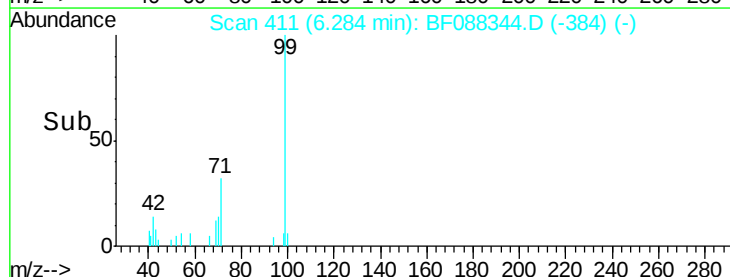
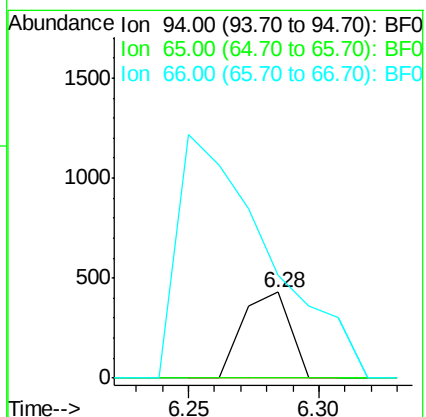
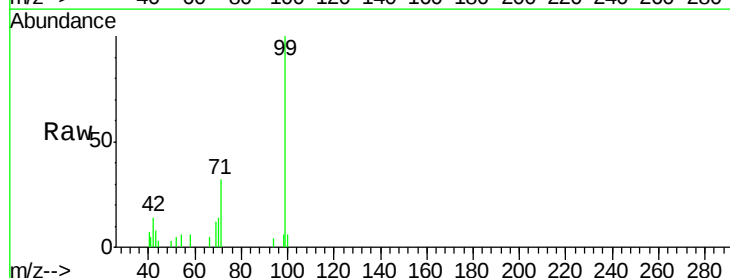
Tgt Ion: 94 Resp: 542

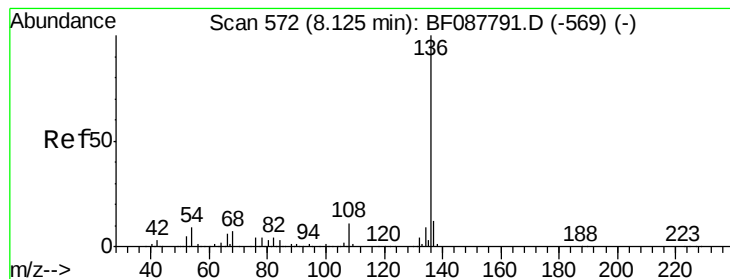
Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

66 120.0 14.0 54.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

PM-STA-1370(0-4)

Tgt Ion: 136 Resp: 335564

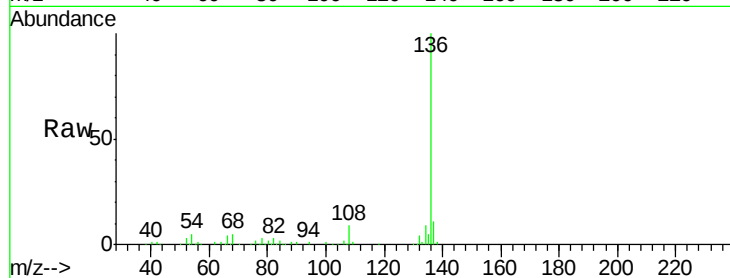
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.2 6.6 10.0#

68 4.5 5.1 7.7#

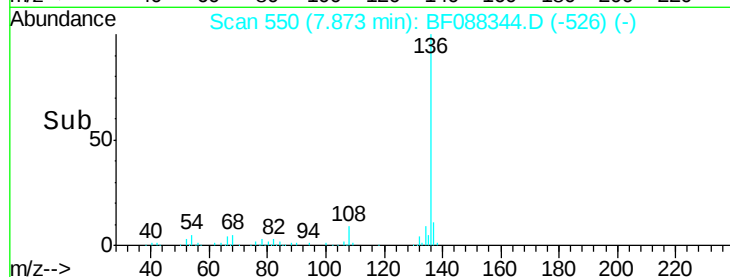


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->

7.87

400000

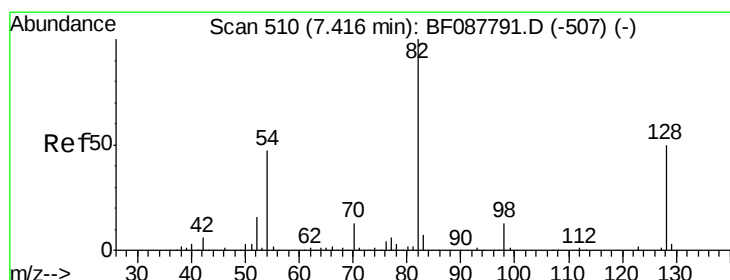
300000

200000

100000

0

7.80 8.00 8.20



#23

Nitrobenzene-d5

Concen: 7.93 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

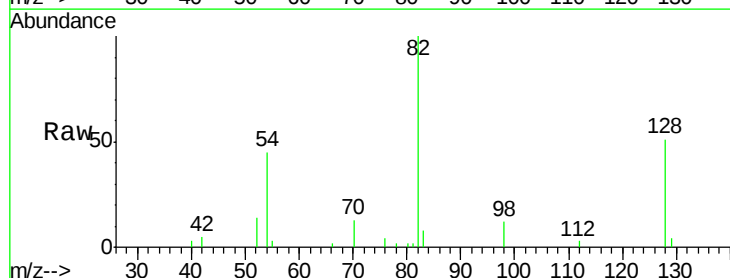
Tgt Ion: 82 Resp: 45574

Ion Ratio Lower Upper

82 100

128 50.8 35.9 53.9

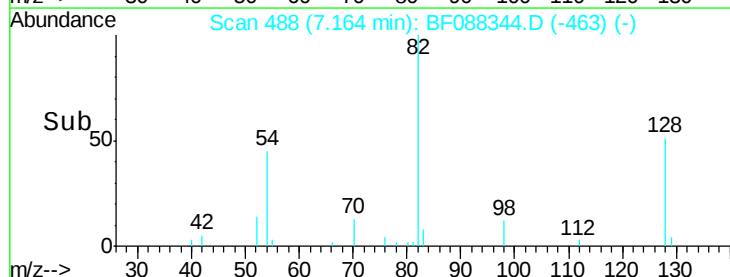
54 45.4 40.9 61.3



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



Time-->

7.16

25000

20000

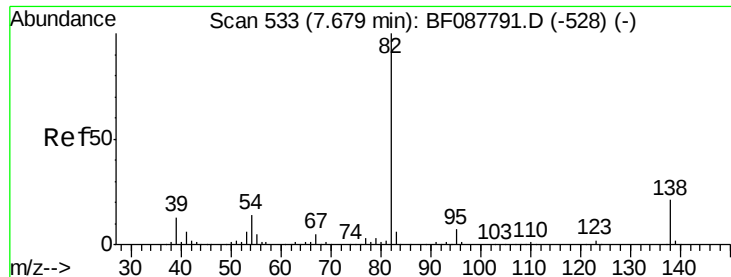
15000

10000

5000

0

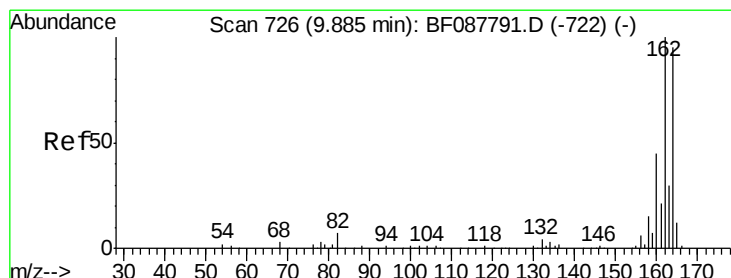
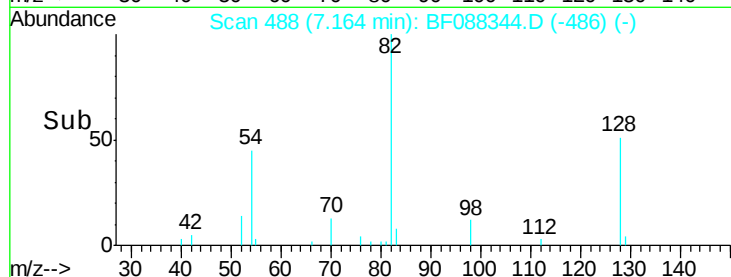
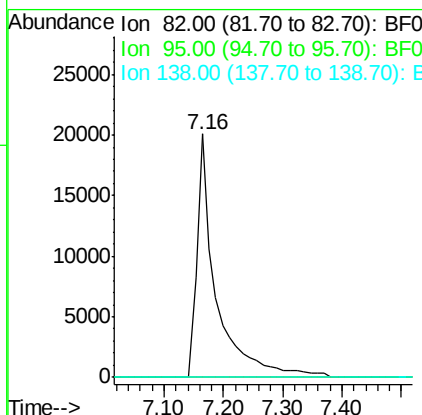
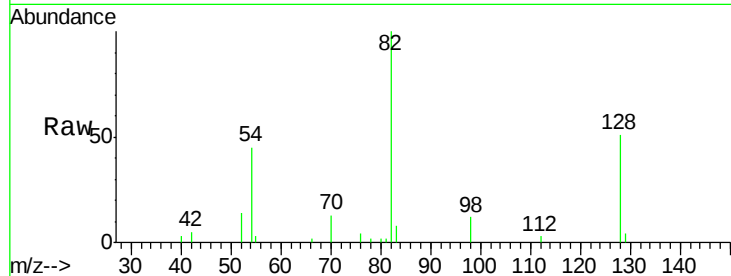
7.00 7.10 7.20 7.30 7.40



#25
Isophorone
Concen: 4.28 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.27 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

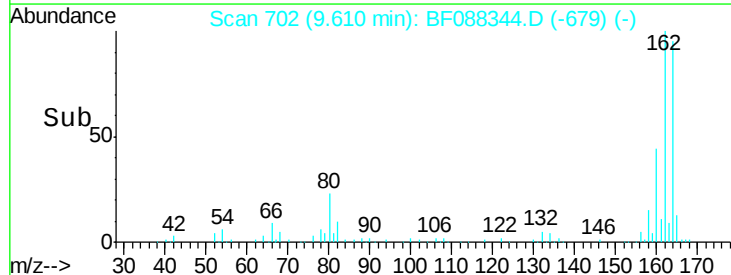
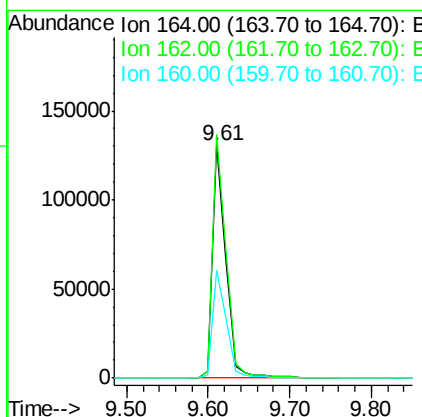
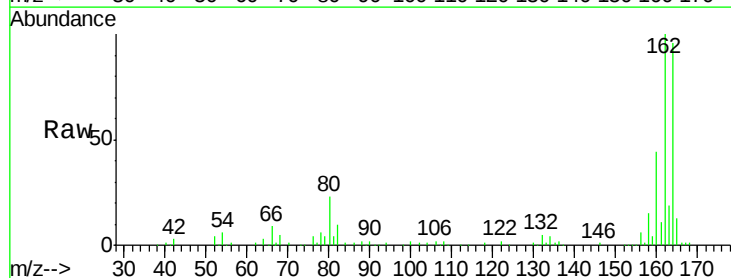
Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)

Tgt Ion: 82 Resp: 45576
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Tgt Ion: 164 Resp: 150493
Ion Ratio Lower Upper
164 100
162 104.4 85.4 128.2
160 46.1 39.5 59.3

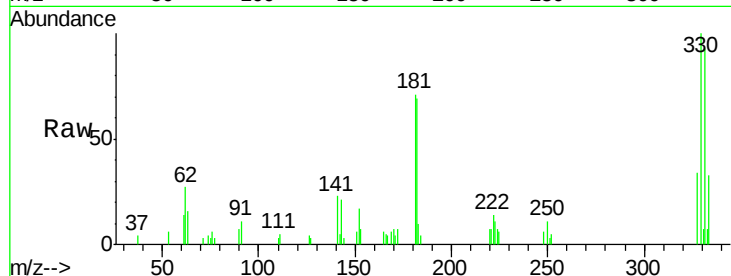




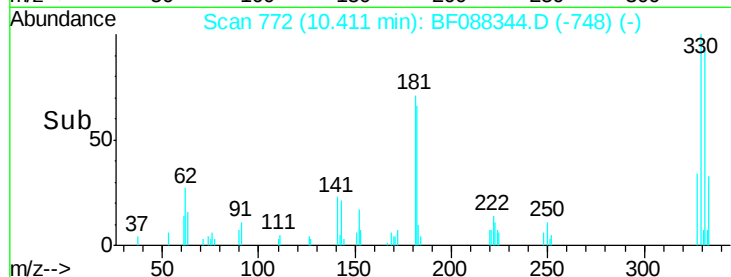
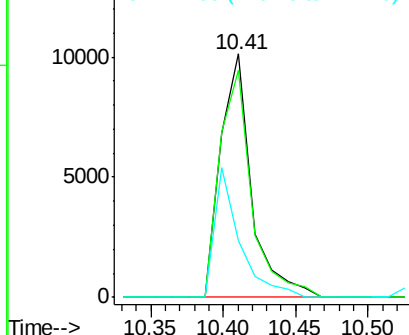
#41
 2,4,6-Tribromophenol
 Concen: 9.40 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Tgt Ion: 330 Resp: 14943
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 43.6 0.0 0.0#

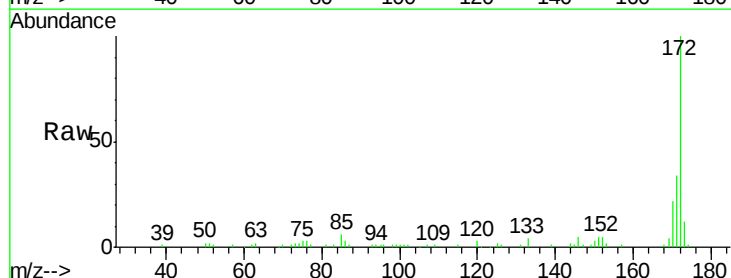


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

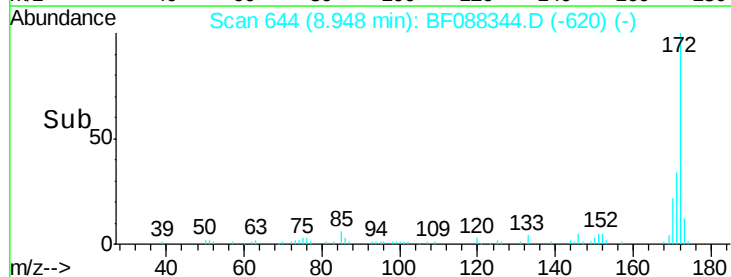
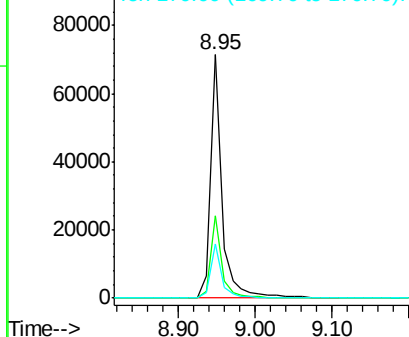


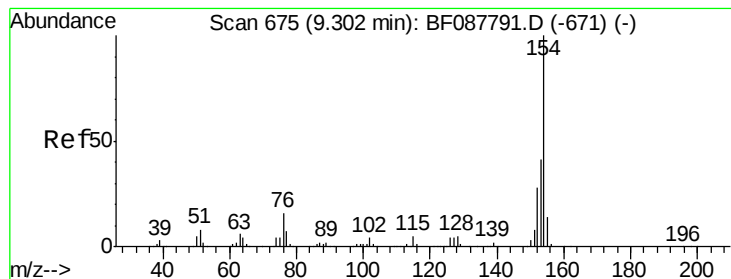
#44
 2-Fluorobiphenyl
 Concen: 2.17 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Tgt Ion: 172 Resp: 72489
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.6 43.0
 170 22.3 19.2 28.8



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: Below Cal

RT: 9.05 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

PM-STA-1370(0-4)

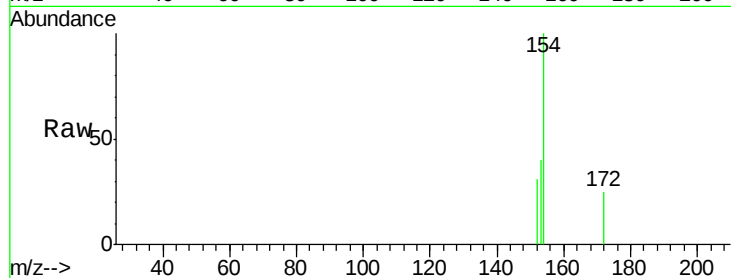
Tgt Ion:154 Resp: 1934

Ion Ratio Lower Upper

154 100

153 39.7 20.6 60.6

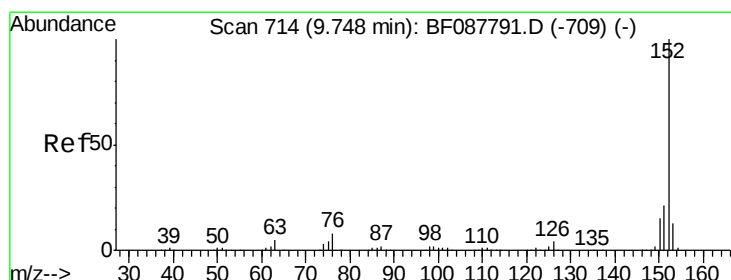
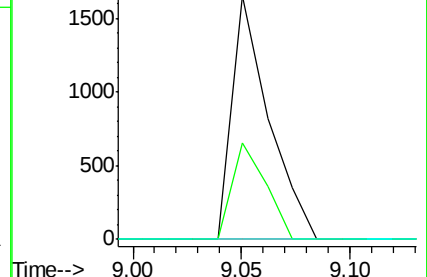
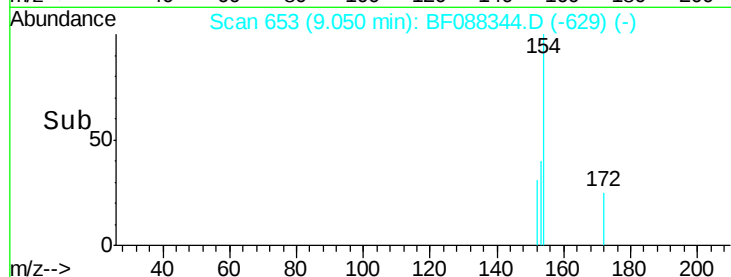
76 0.0 0.0 35.1



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



#48

Acenaphthylene

Concen: 2.91 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

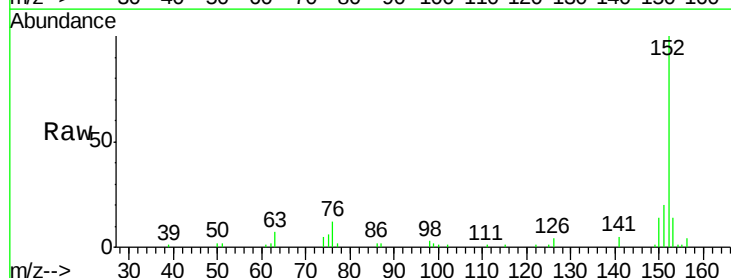
Tgt Ion:152 Resp: 45059

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

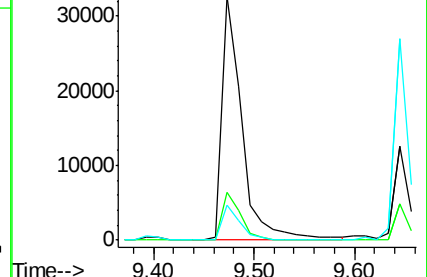
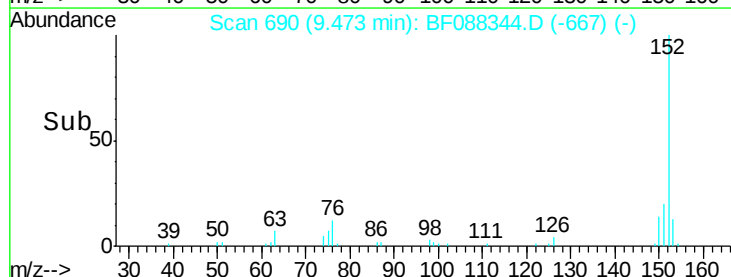
153 14.2 11.0 16.6

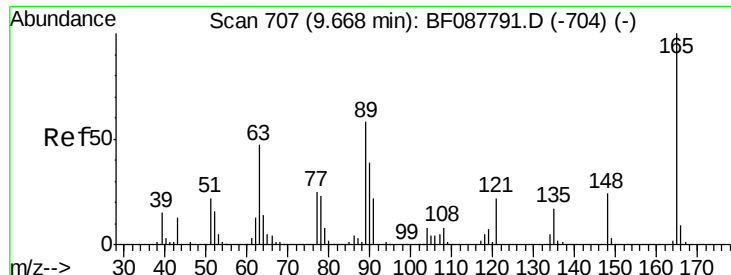


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

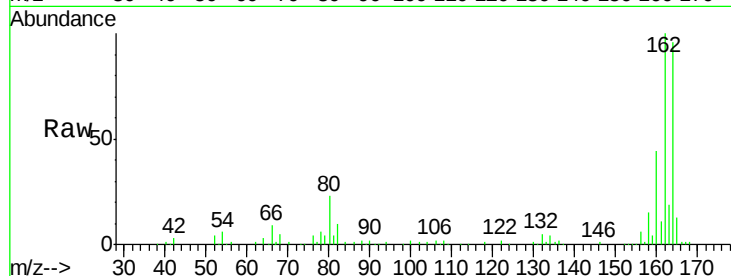




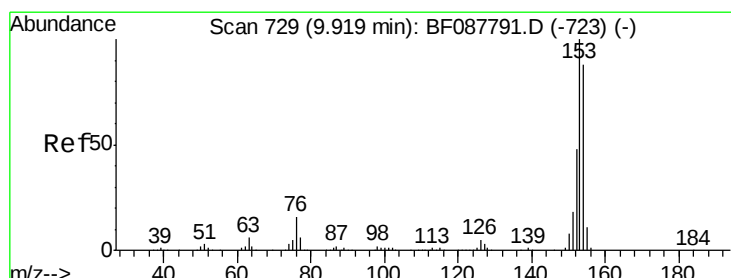
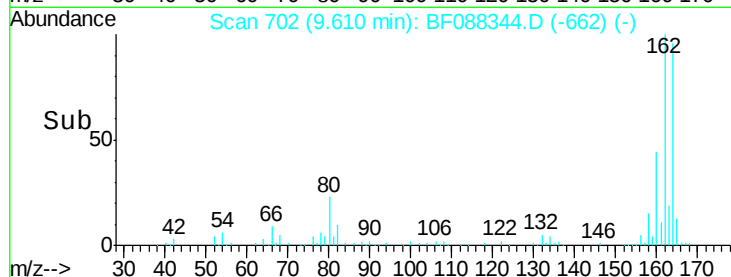
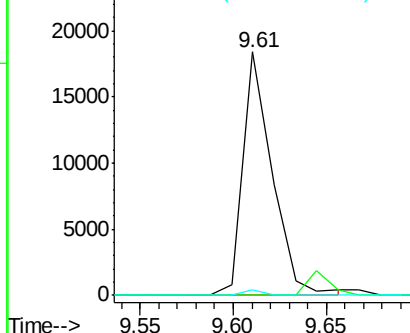
#50
 2,6-Dinitrotoluene
 Concen: 8.06 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.16 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	2.0	32.2	48.2#

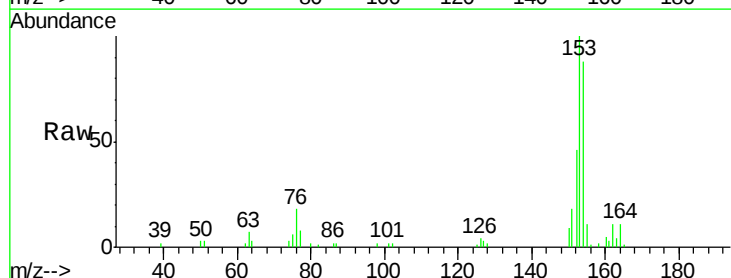


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

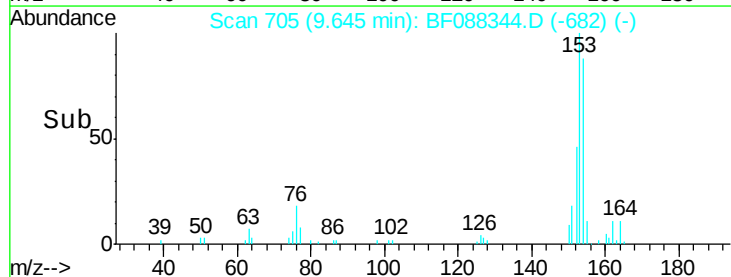
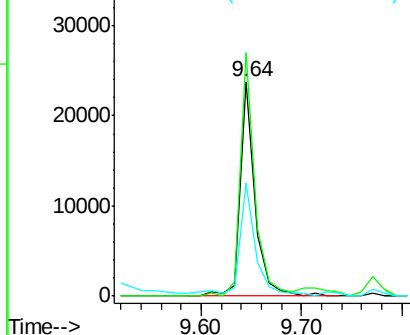


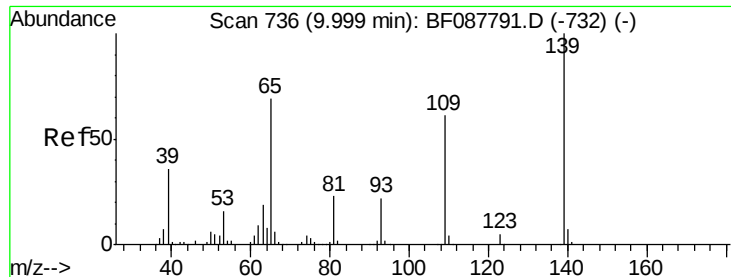
#51
 Acenaphthene
 Concen: 2.51 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.5	134.3
152	52.7	42.7	64.1



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





#55

4-Nitrophenol

Concen: 3.35 ng

RT: 9.83 min Scan# 721

Delta R.T. 0.02 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

PM-STA-1370(0-4)

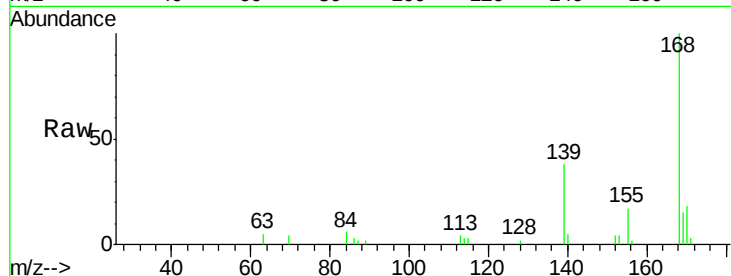
Tgt Ion:139 Resp: 7498

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

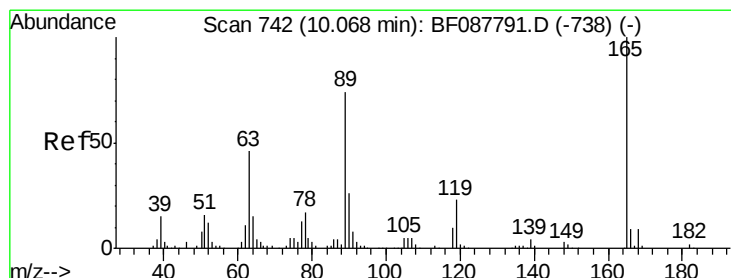
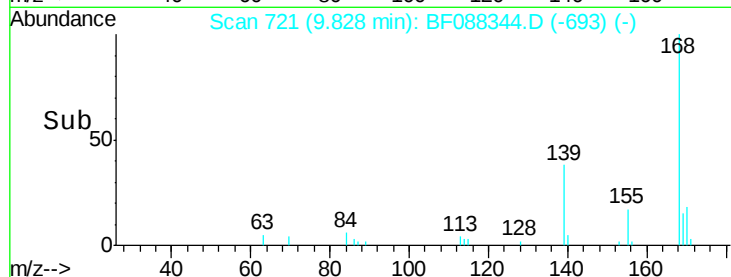
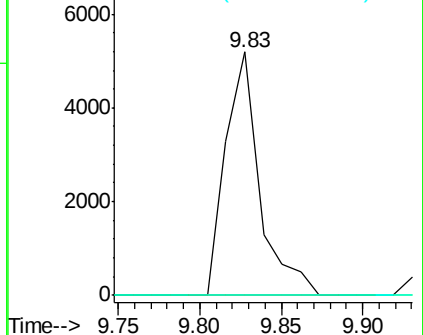
65 0.0 84.9 124.9#



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: 6.36 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Tgt Ion:165 Resp: 20412

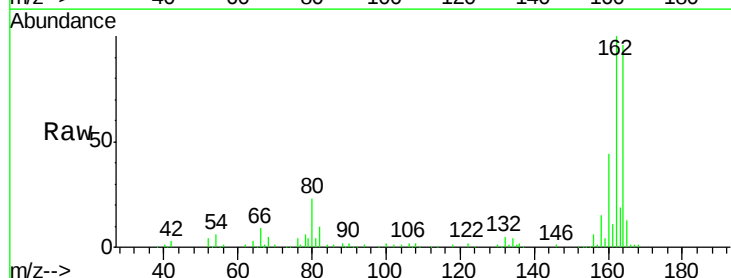
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 2.0 41.1 61.7#

182 0.0 2.0 3.0#

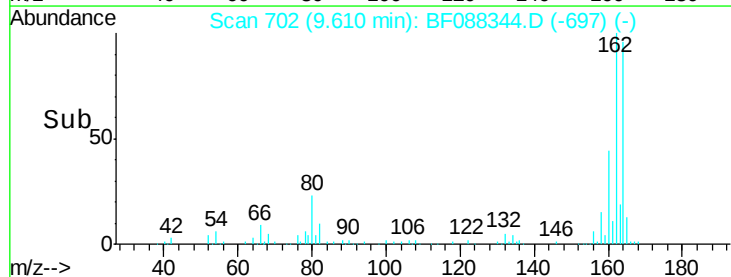
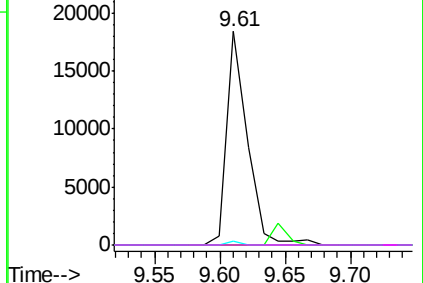


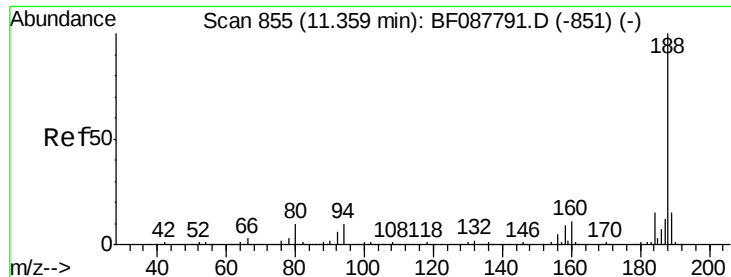
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

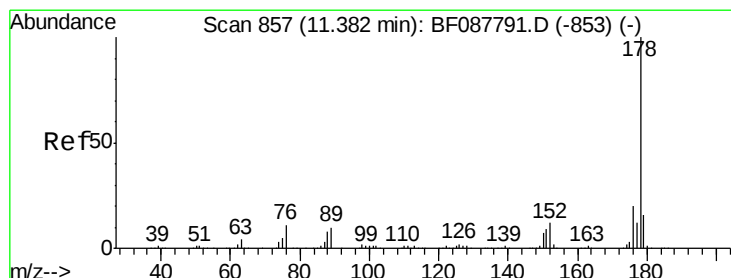
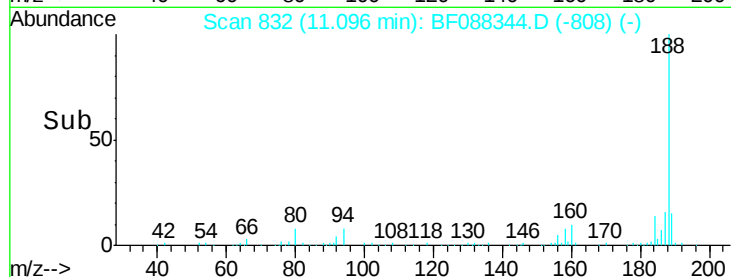
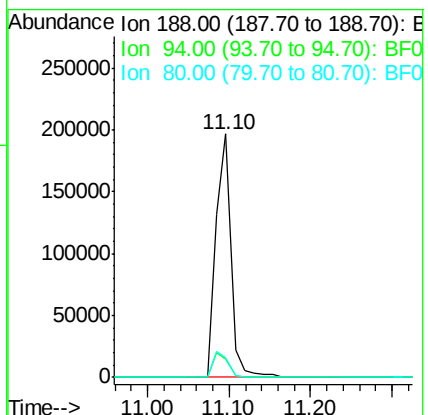
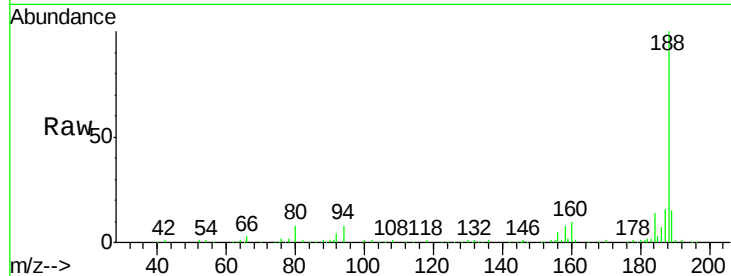




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

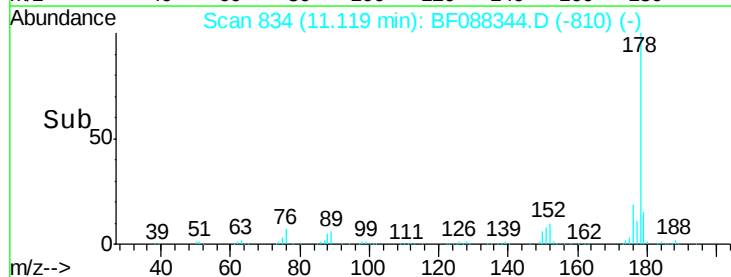
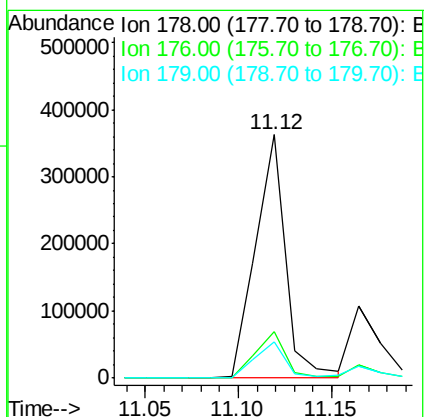
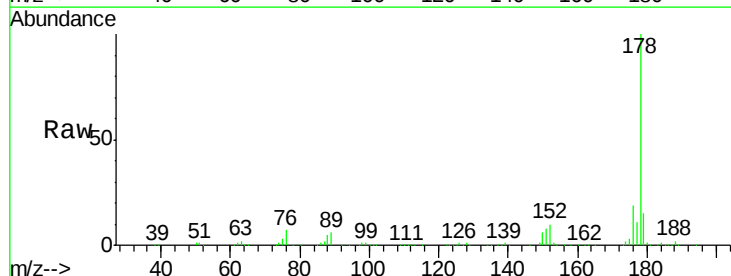
Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)

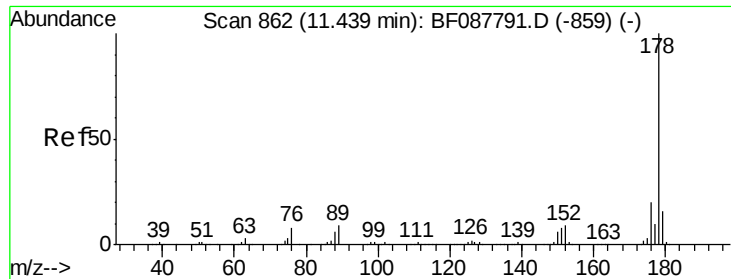
Tgt Ion:188 Resp: 251745
Ion Ratio Lower Upper
188 100
94 7.7 9.0 13.6#
80 7.9 10.0 15.0#



#70
Phenanthrene
Concen: 31.18 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Tgt Ion:178 Resp: 411835
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.0 13.0 19.4

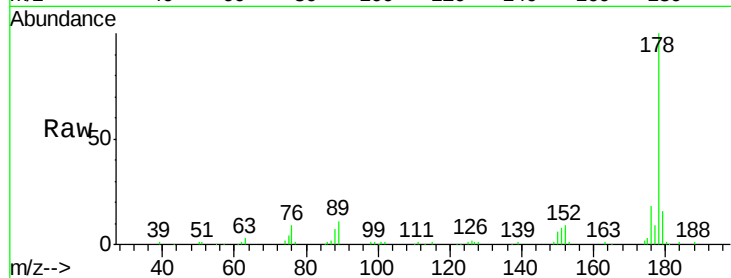




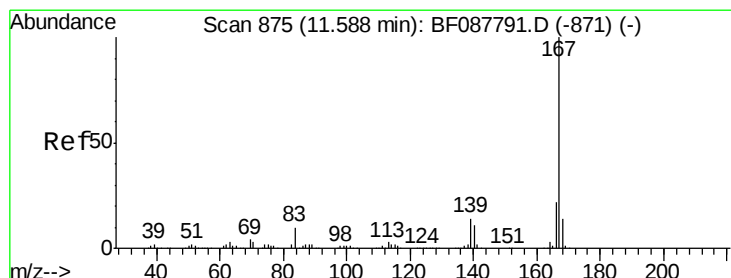
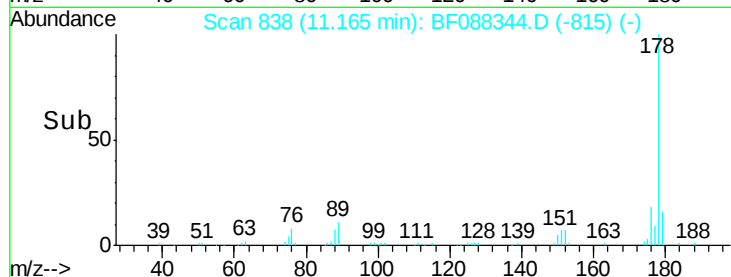
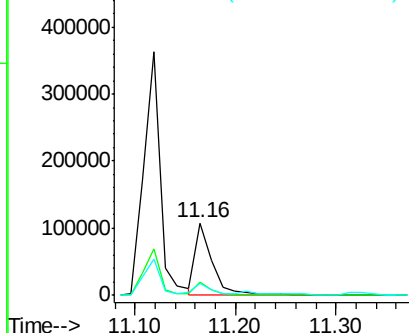
#71
 Anthracene
 Concen: 9.68 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.03 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Tgt Ion:178 Resp: 128994
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.6 23.4
 179 16.2 12.8 19.2

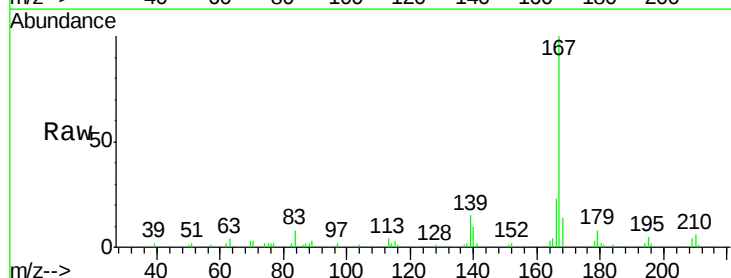


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

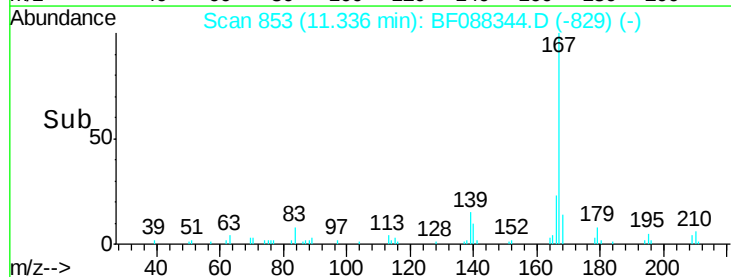
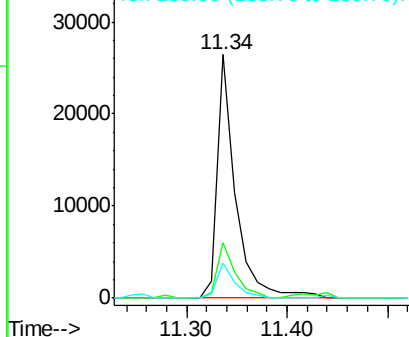


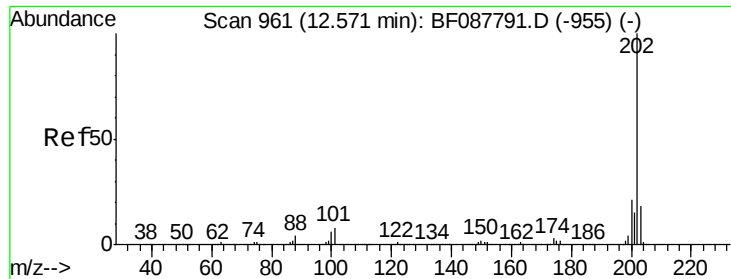
#72
 Carbazole
 Concen: 2.69 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Tgt Ion:167 Resp: 33490
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.8 26.6
 139 14.6 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 44.54 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

PM-STA-1370(0-4)

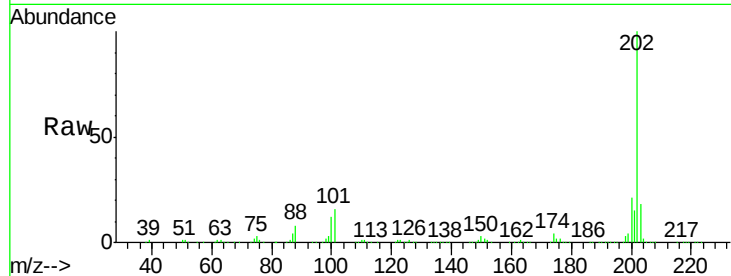
Tgt Ion: 202 Resp: 620994

Ion Ratio Lower Upper

202 100

101 15.5 0.0 33.1

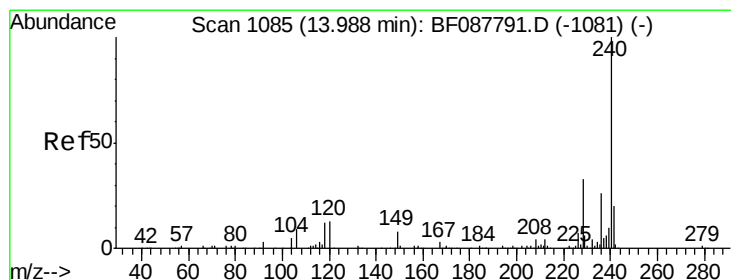
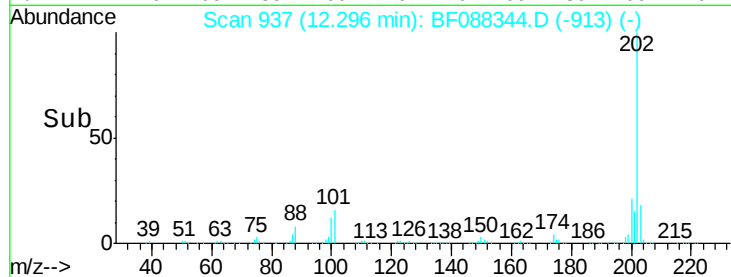
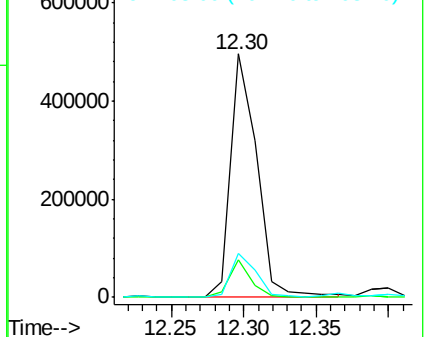
203 18.3 0.0 38.1



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: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

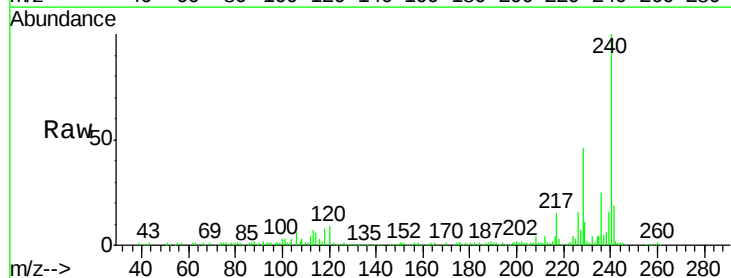
Tgt Ion: 240 Resp: 175516

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

236 25.0 20.2 30.2



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

