

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092623.D
 Acq On : 28 Jan 2017 13:23
 Operator : SJ/MA
 Sample : I1384-05
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-3A

Quant Time: Jan 30 06:08:16 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

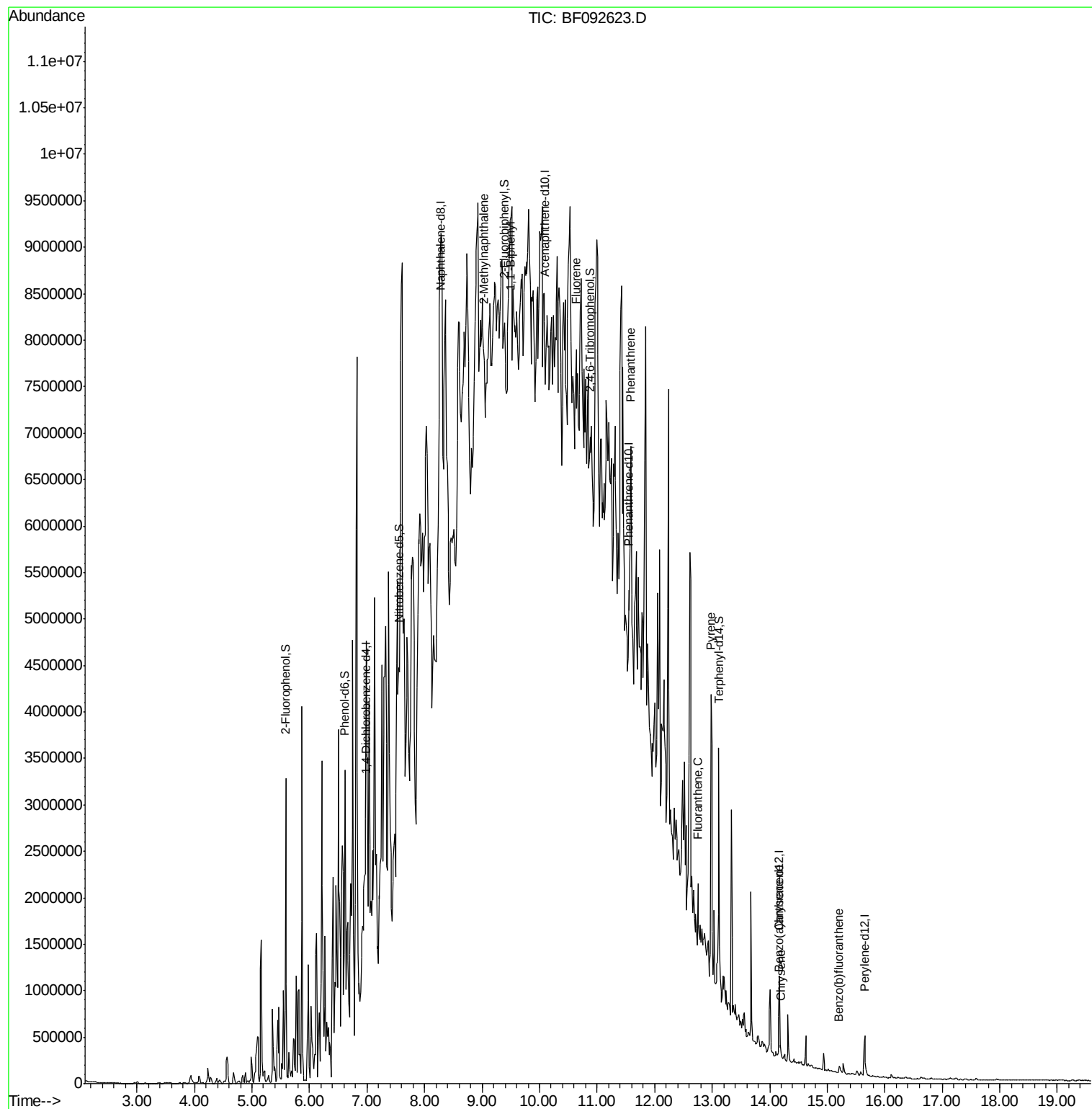
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	150396	20.00	ng	0.01
21) Naphthalene-d8	8.28	136	147420	20.00	ng	0.01
38) Acenaphthene-d10	10.09	164	175706	20.00	ng	0.06
63) Phenanthrene-d10	11.55	188	274849	20.00	ng	0.02
75) Chrysene-d12	14.17	240	330881	20.00	ng	0.00
86) Perylene-d12	15.65	264	232163	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	986044	102.01	ng	0.03
7) Phenol-d6	6.61	99	1358933	110.37	ng	0.02
23) Nitrobenzene-d5	7.55	82	748411	277.32	ng	0.01
41) 2,4,6-Tribromophenol	10.88	330	107294	89.61	ng	0.06
44) 2-Fluorobiphenyl	9.39	172	749027	78.83	ng	0.03
78) Terphenyl-d14	13.12	244	878981	70.74	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.02	142	1375582	287.98	ng	97
45) 1,1'-Biphenyl	9.49	154	165975	13.07	ng	98
57) Fluorene	10.64	166	311446m	32.72	ng	
70) Phenanthrene	11.58	178	1181508m	78.06	ng	
74) Fluoranthene	12.75	202	117695	7.95	ng	92
77) Pyrene	12.98	202	177674	7.41	ng	97
80) Benzo(a)anthracene	14.16	228	45741	2.57	ng	# 91
82) Chrysene	14.19	228	46278m	2.44	ng	
87) Benzo(b)fluoranthene	15.21	252	43007m	2.89	ng	

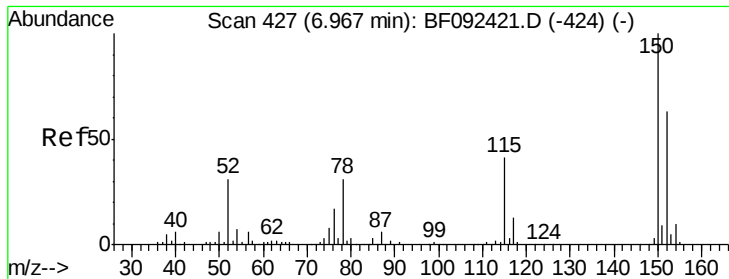
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

Instrument :

BNA_F

ClientSampleId :

UST-3A

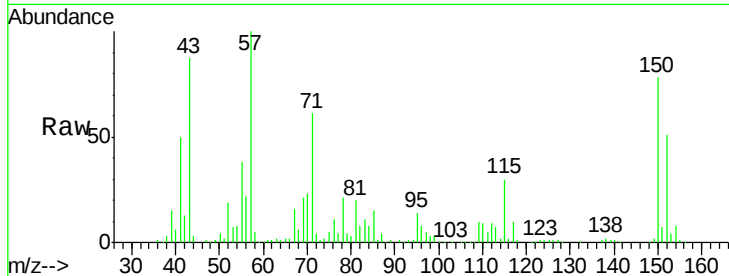
Tgt Ion:152 Resp: 150396

Ion Ratio Lower Upper

152 100

150 154.1 124.9 187.3

115 59.5 46.0 69.0



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

300000

250000

200000

150000

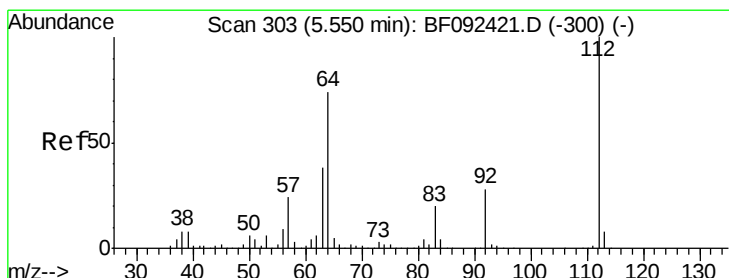
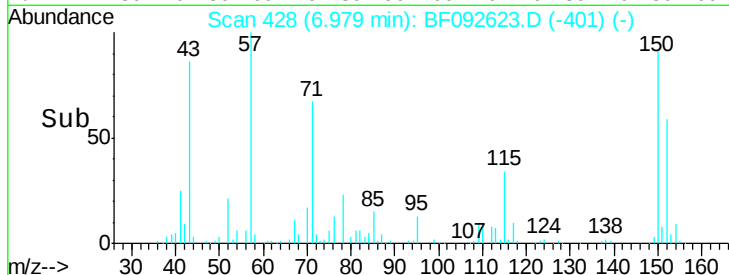
100000

50000

0

6.85 6.90 6.95 7.00 7.05

Time-->



#5

2-Fluorophenol

Concen: 102.01 ng

RT: 5.58 min Scan# 306

Delta R.T. 0.03 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

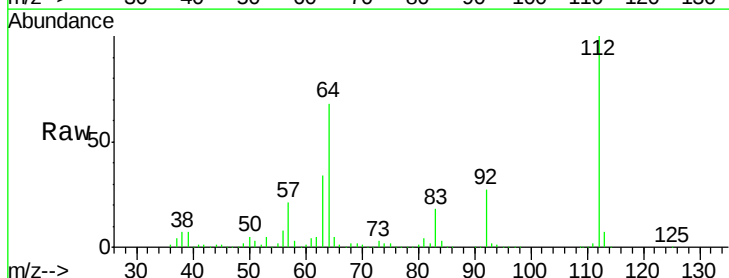
Tgt Ion:112 Resp: 986044

Ion Ratio Lower Upper

112 100

64 68.0 46.1 69.1

63 34.4 23.8 35.6



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

1200000

1000000

800000

600000

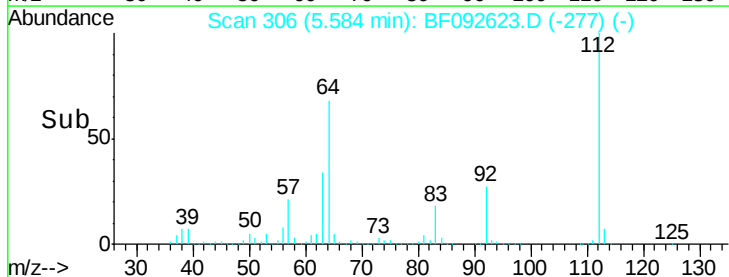
400000

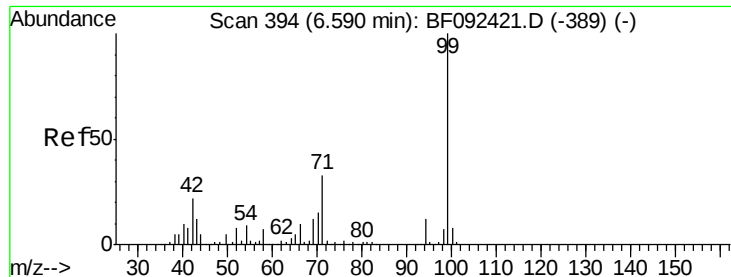
200000

0

5.50 5.55 5.60 5.65

Time-->





#7

Phenol-d6

Concen: 110.37 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.02 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

Instrument :

BNA_F

ClientSampleId :

UST-3A

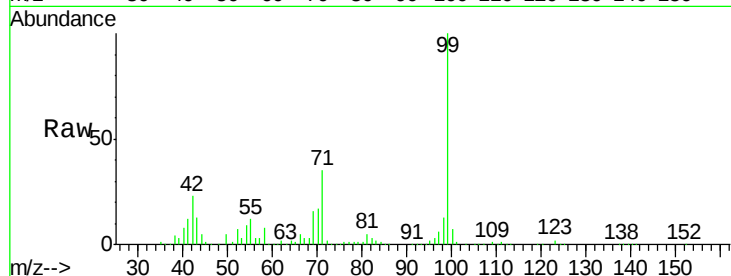
Tgt Ion: 99 Resp: 1358933

Ion Ratio Lower Upper

99 100

42 22.7 15.6 23.4

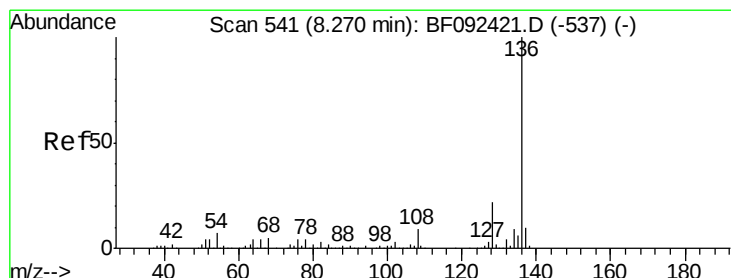
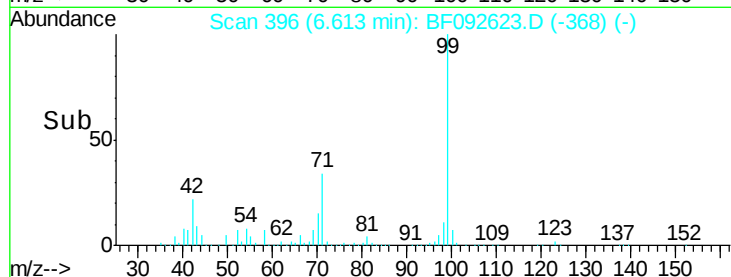
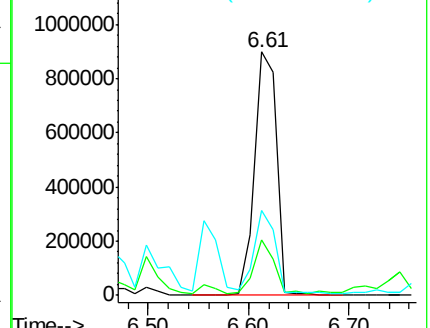
71 35.1 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.01 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

Tgt Ion: 136 Resp: 147420

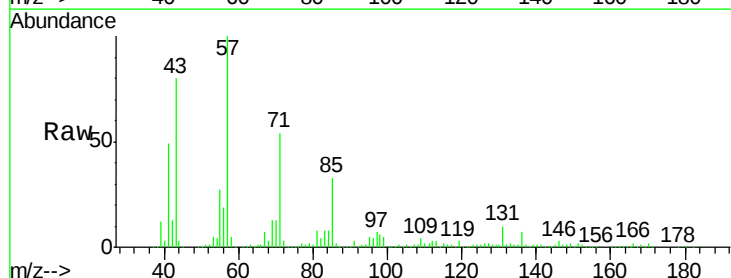
Ion Ratio Lower Upper

136 100

137 19.2 8.4 12.6#

54 53.5 4.5 6.7#

68 40.9 3.6 5.4#

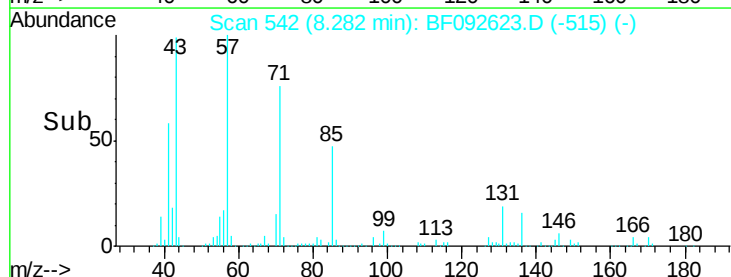
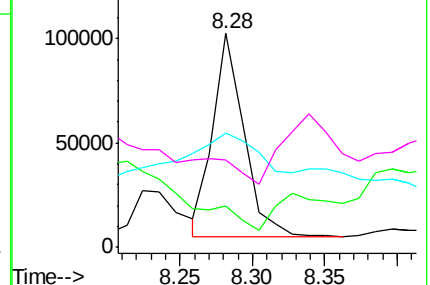


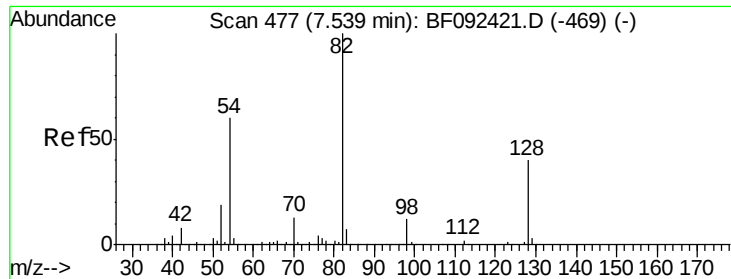
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

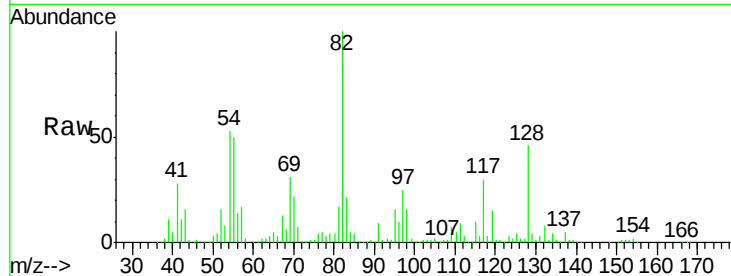




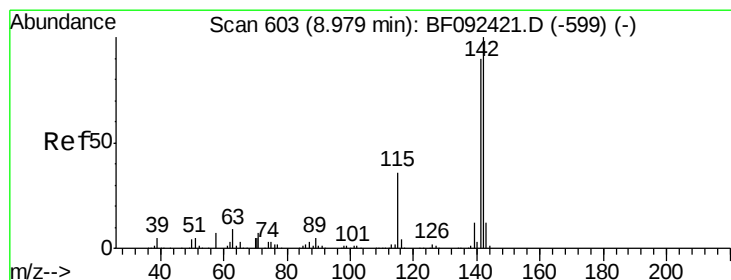
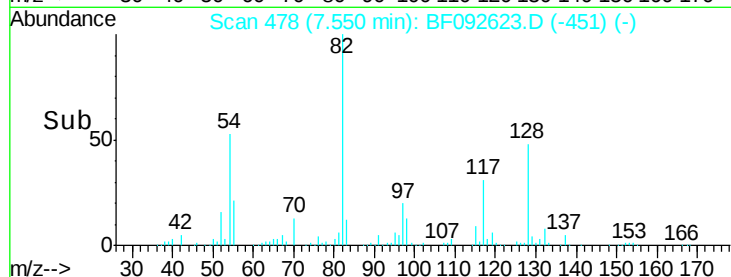
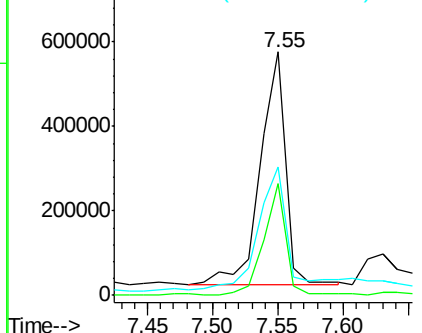
#23
 Nitrobenzene-d5
 Concen: 277.32 ng
 RT: 7.55 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: BF092623.D
 Acq: 28 Jan 2017 13:23

Instrument :
 BNA_F
 ClientSampleId :
 UST-3A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.6	52.0
54	52.8	39.5	59.3

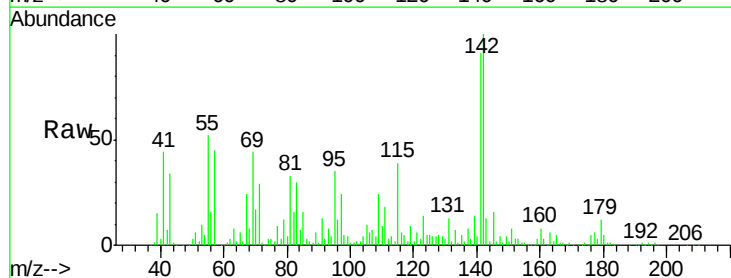


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

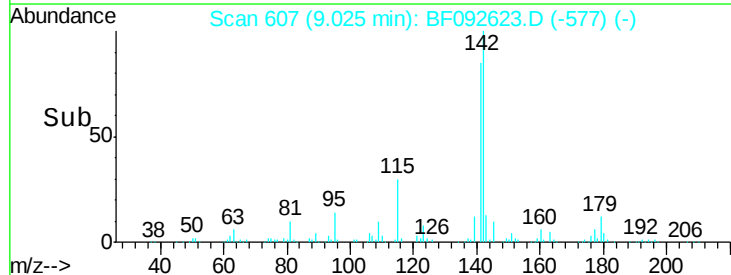
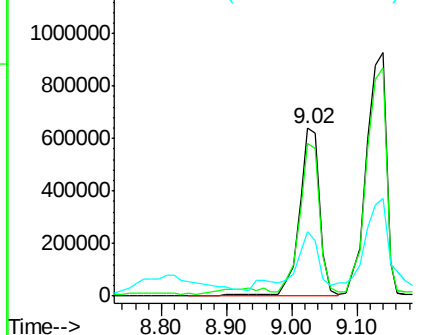


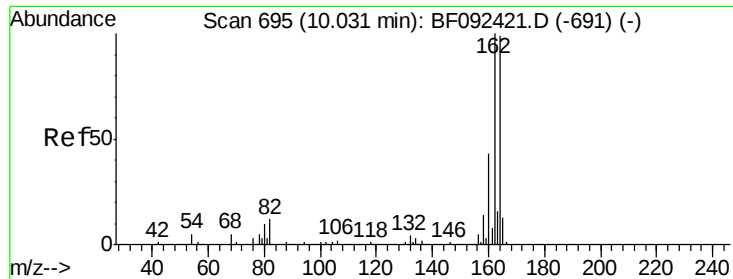
#37
 2-Methylnaphthalene
 Concen: 287.98 ng
 RT: 9.02 min Scan# 607
 Delta R.T. 0.05 min
 Lab File: BF092623.D
 Acq: 28 Jan 2017 13:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.0	106.6
115	38.6	28.3	42.5



Abundance Ion 142.00 (141.70 to 142.70): B
 Ion 141.00 (140.70 to 141.70): B
 Ion 115.00 (114.70 to 115.70): B

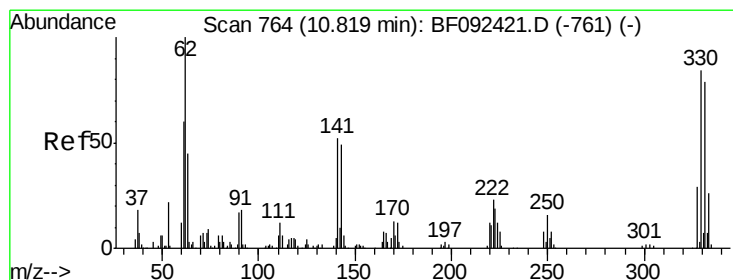
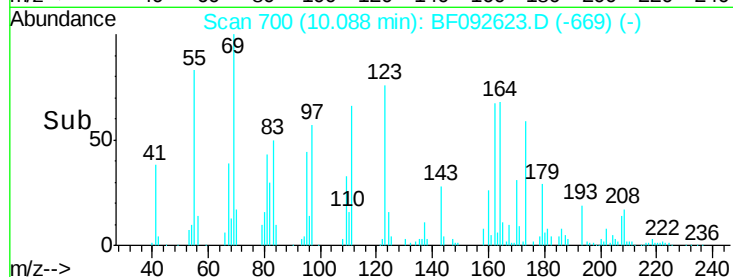
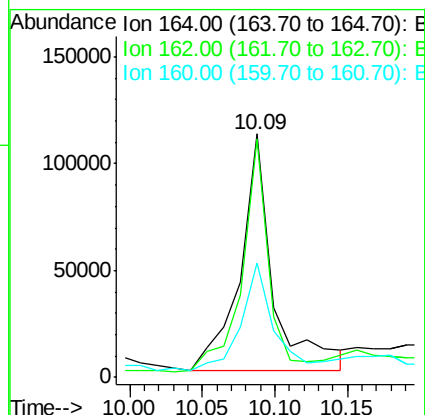
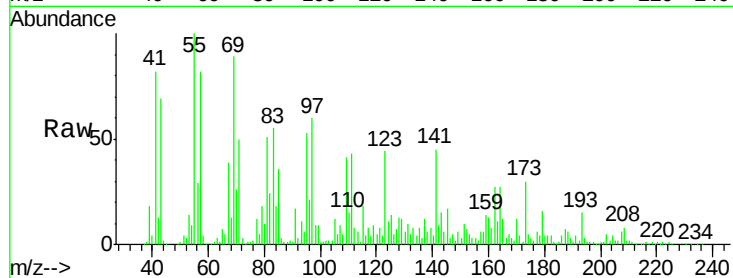




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.06 min
Lab File: BF092623.D
Acq: 28 Jan 2017 13:23

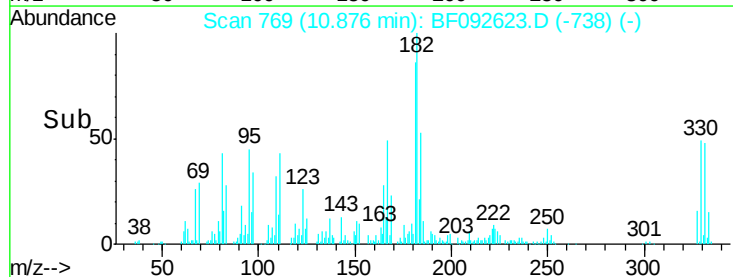
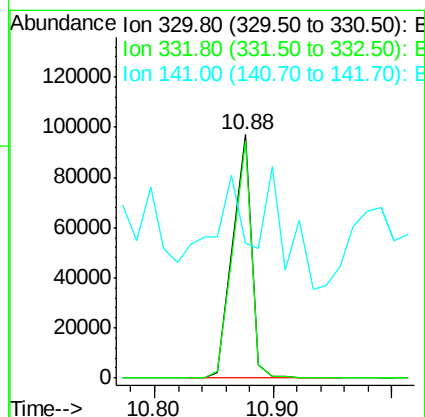
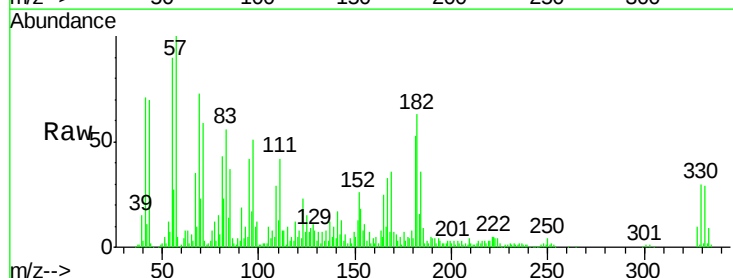
Instrument :
BNA_F
ClientSampleId :
UST-3A

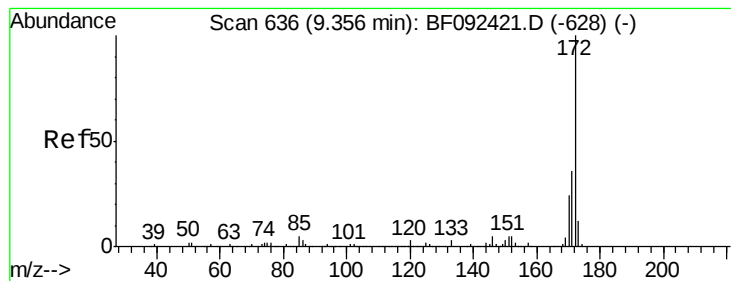
Tgt Ion:164 Resp: 175706
Ion Ratio Lower Upper
164 100
162 97.9 80.2 120.2
160 47.1 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 89.61 ng
RT: 10.88 min Scan# 769
Delta R.T. 0.06 min
Lab File: BF092623.D
Acq: 28 Jan 2017 13:23

Tgt Ion:330 Resp: 107294
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.2
141 48.9 34.1 51.1

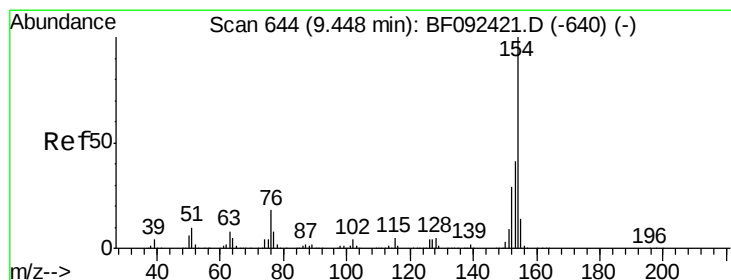
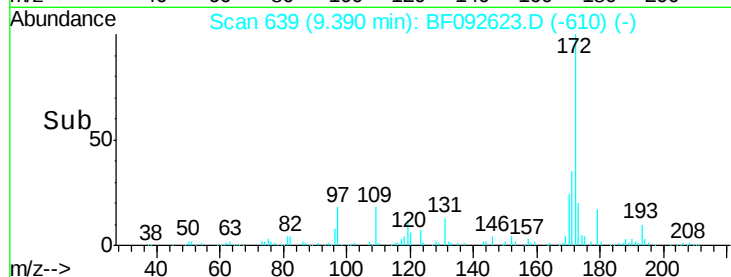
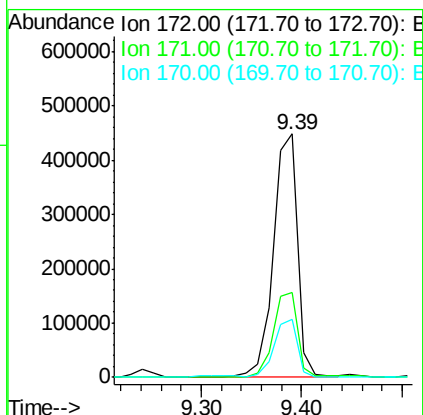
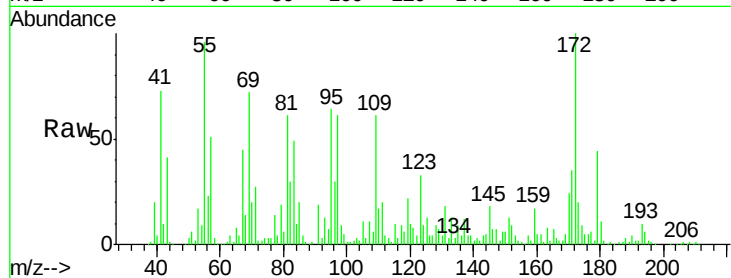




#44
 2-Fluorobiphenyl
 Concen: 78.83 ng
 RT: 9.39 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: BF092623.D
 Acq: 28 Jan 2017 13:23

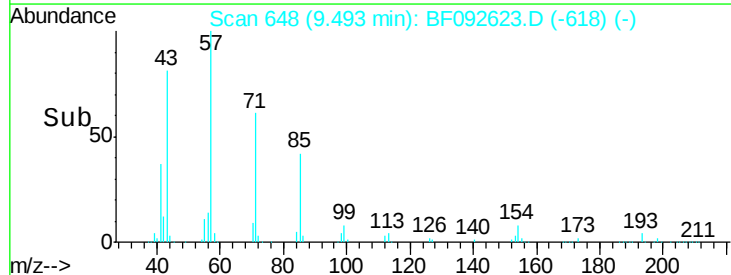
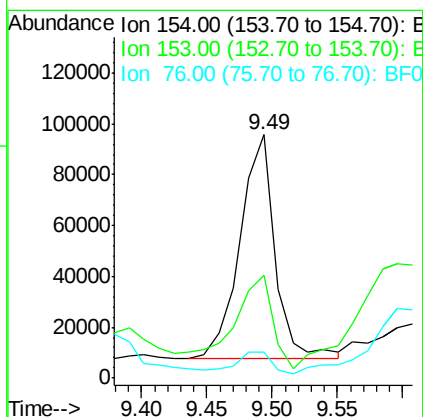
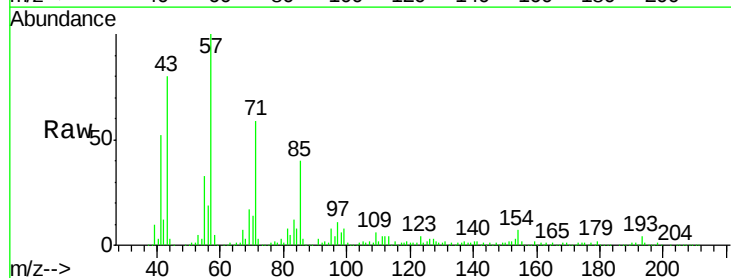
Instrument :
 BNA_F
 ClientSampleId :
 UST-3A

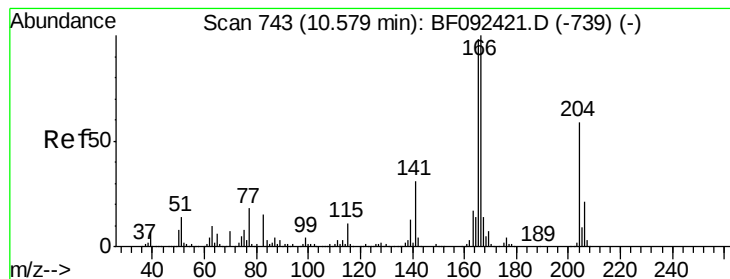
Tgt Ion:172 Resp: 749027
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.4 44.0
 170 24.0 20.2 30.4



#45
 1,1'-Biphenyl
 Concen: 13.07 ng
 RT: 9.49 min Scan# 648
 Delta R.T. 0.05 min
 Lab File: BF092623.D
 Acq: 28 Jan 2017 13:23

Tgt Ion:154 Resp: 165975
 Ion Ratio Lower Upper
 154 100
 153 42.4 20.9 60.9
 76 10.5 0.0 30.5





#57

Fluorene

Concen: 32.72 ng m

RT: 10.64 min Scan# 748

Delta R.T. 0.06 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

Instrument :

BNA_F

ClientSampleId :

UST-3A

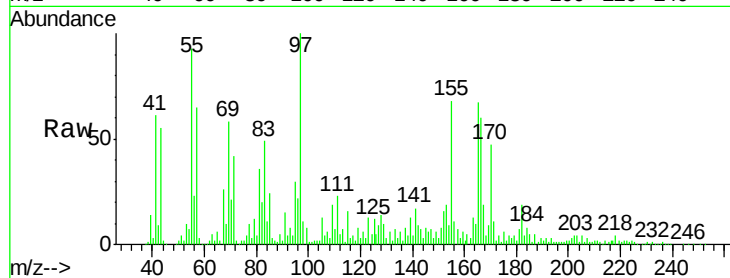
Tgt Ion:166 Resp: 311446

Ion Ratio Lower Upper

166 100

165 112.4 77.8 116.8

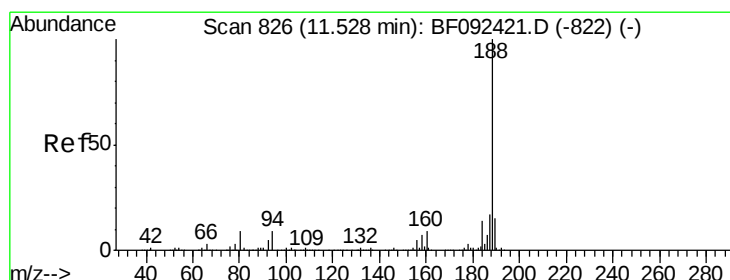
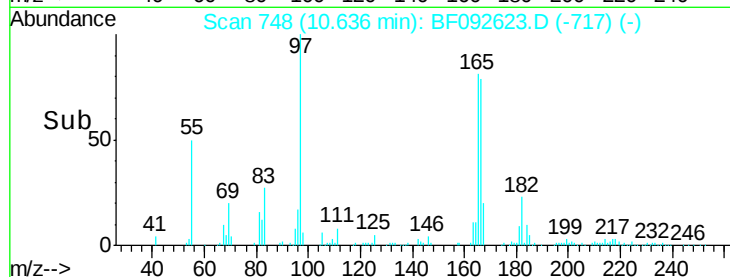
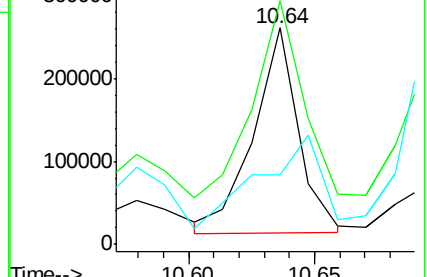
167 32.4 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.55 min Scan# 828

Delta R.T. 0.02 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

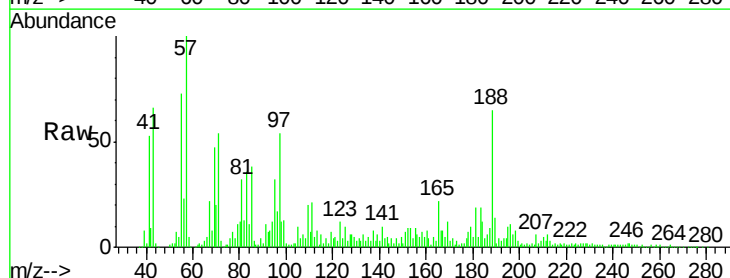
Tgt Ion:188 Resp: 274849

Ion Ratio Lower Upper

188 100

94 18.1 10.0 15.0#

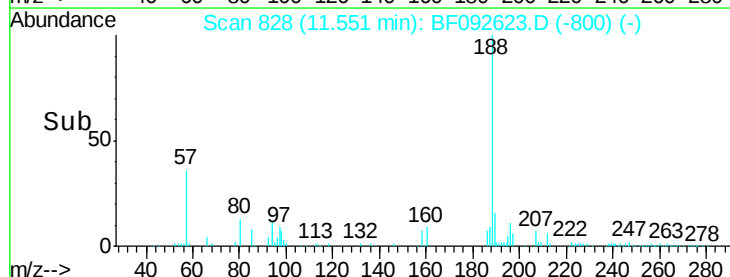
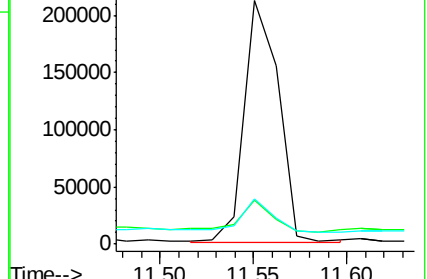
80 18.5 11.2 16.8#

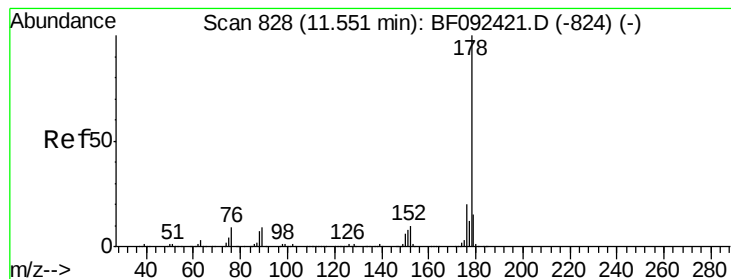


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 78.06 ng m

RT: 11.58 min Scan# 831

Delta R.T. 0.03 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

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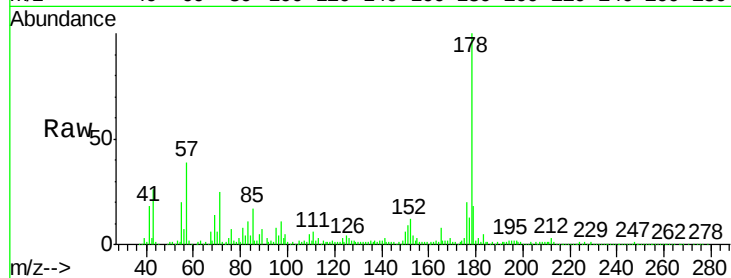
Tgt Ion:178 Resp: 1181508

Ion Ratio Lower Upper

178 100

176 19.8 16.6 25.0

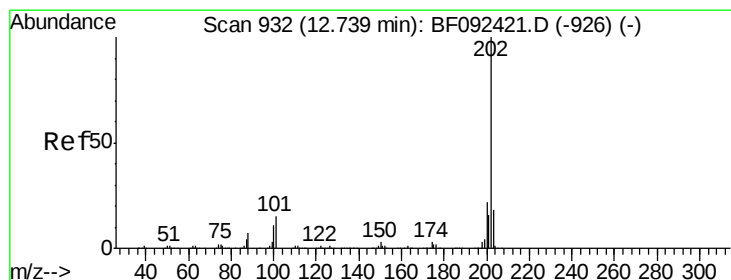
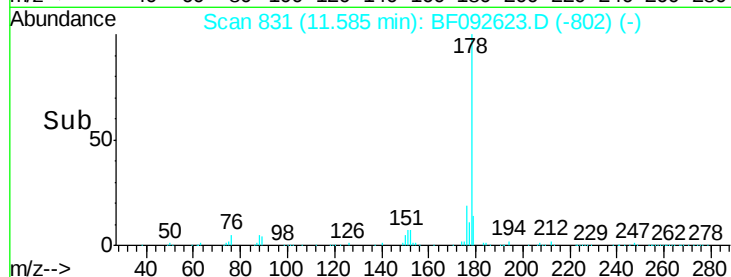
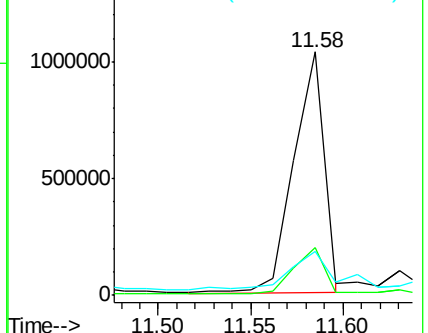
179 18.1 12.8 19.2



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



#74

Fluoranthene

Concen: 7.95 ng

RT: 12.75 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

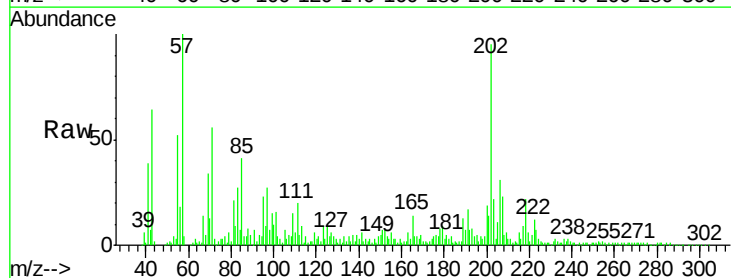
Tgt Ion:202 Resp: 117695

Ion Ratio Lower Upper

202 100

101 17.1 0.0 34.6

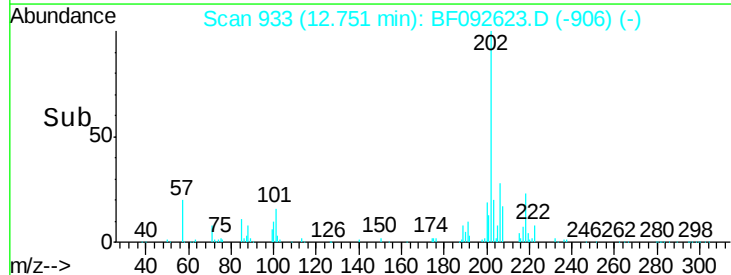
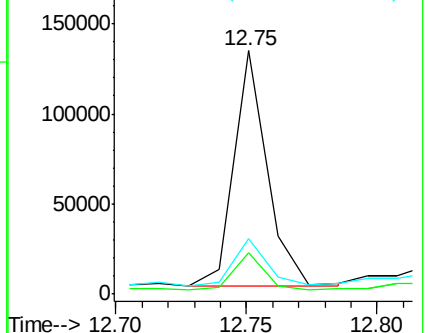
203 23.0 0.0 38.7

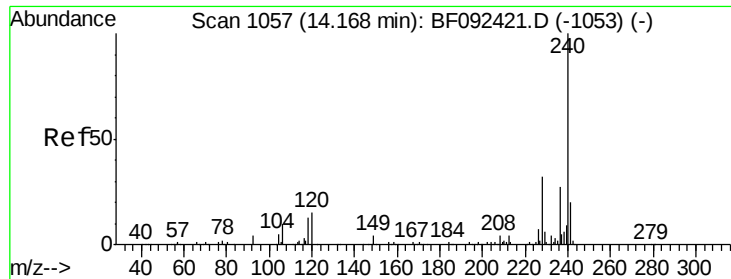


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

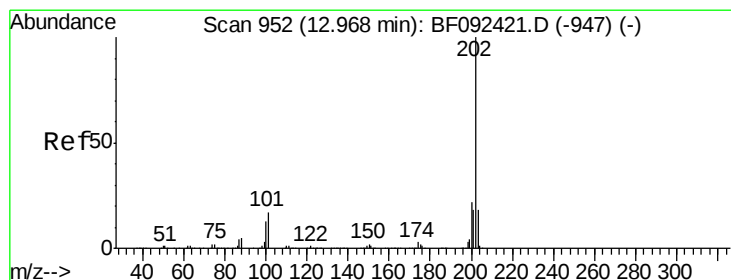
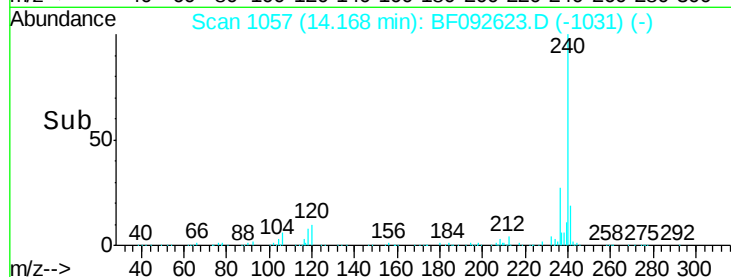
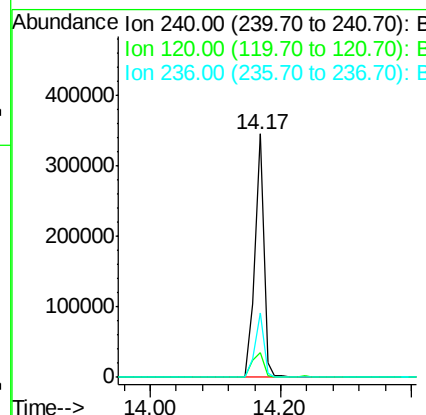
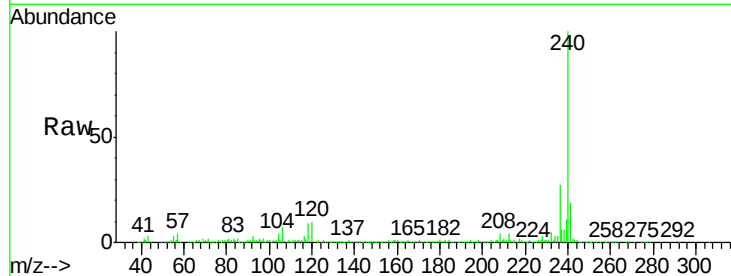




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.17 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF092623.D
Acq: 28 Jan 2017 13:23

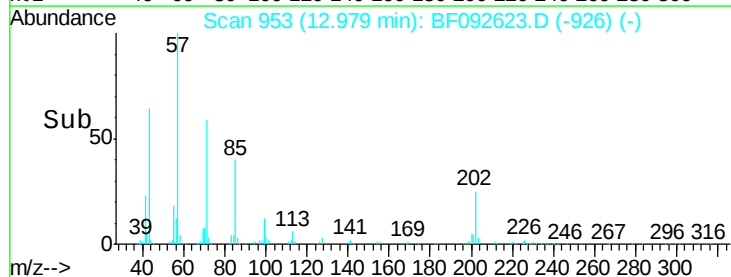
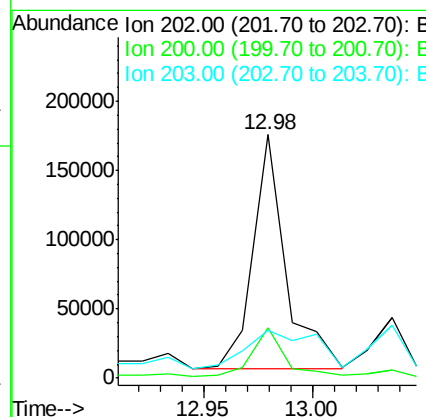
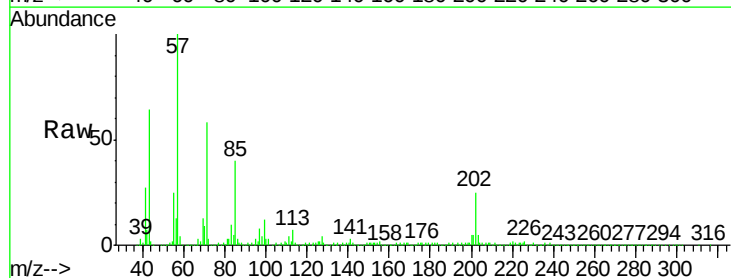
Instrument :
BNA_F
ClientSampleId :
UST-3A

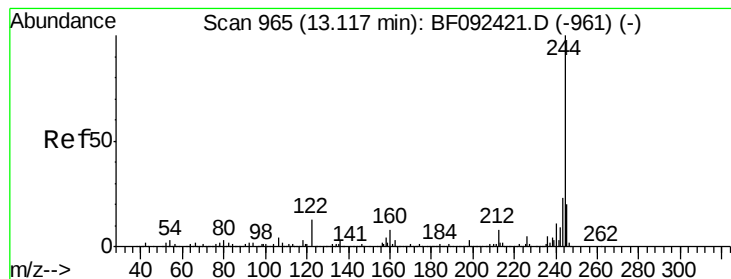
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.9	19.3#
236	26.7	20.9	31.3



#77
Pyrene
Concen: 7.41 ng
RT: 12.98 min Scan# 953
Delta R.T. 0.01 min
Lab File: BF092623.D
Acq: 28 Jan 2017 13:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.7	26.5
203	19.7	14.7	22.1





#78

Terphenyl-d14

Concen: 70.74 ng

RT: 13.12 min Scan# 965

Delta R.T. -0.00 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

Instrument :

BNA_F

ClientSampleId :

UST-3A

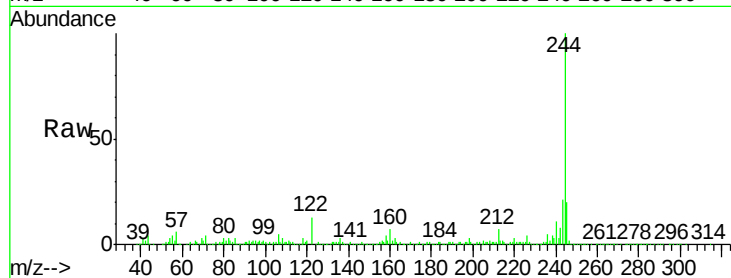
Tgt Ion:244 Resp: 878981

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

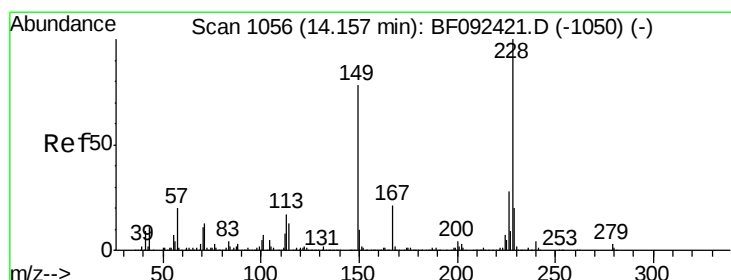
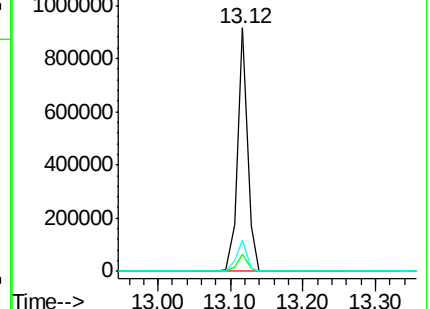
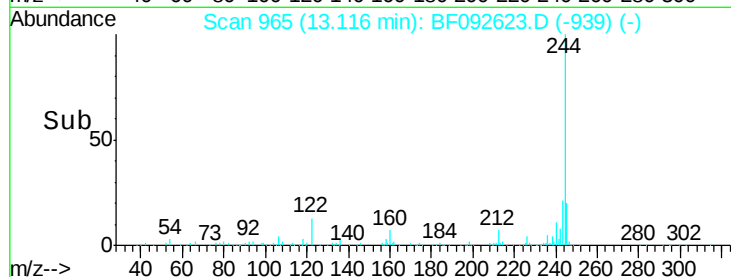
122 13.0 11.4 17.2



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: 2.57 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

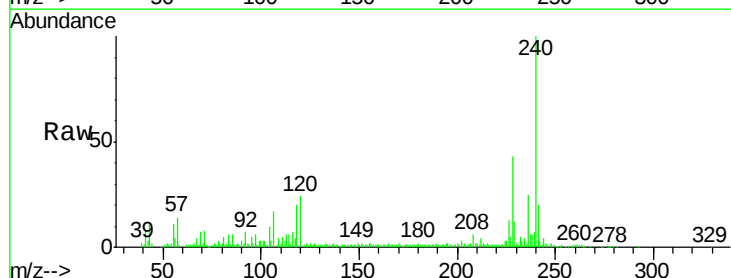
Tgt Ion:228 Resp: 45741

Ion Ratio Lower Upper

228 100

226 30.1 22.4 33.6

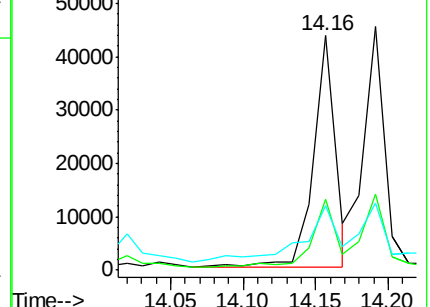
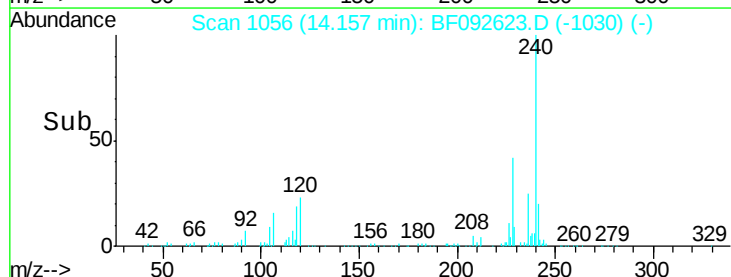
229 27.6 16.2 24.4#

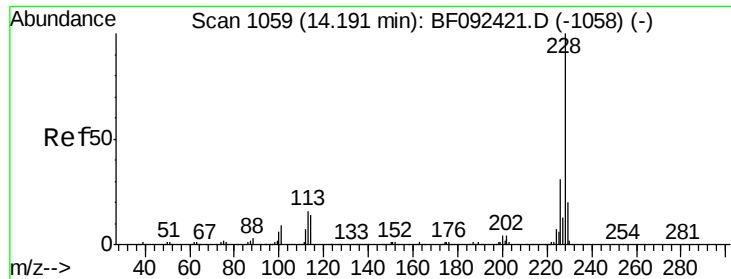


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.44 ng m

RT: 14.19 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

Instrument :

BNA_F

ClientSampleId :

UST-3A

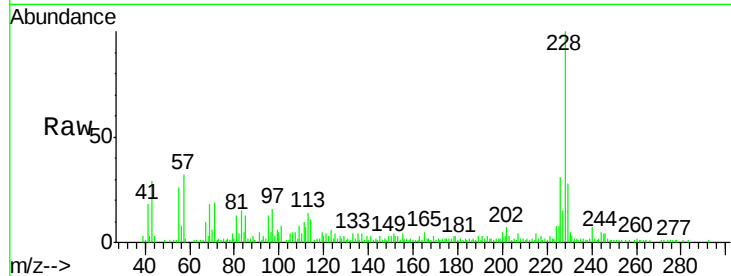
Tgt Ion:228 Resp: 46278

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

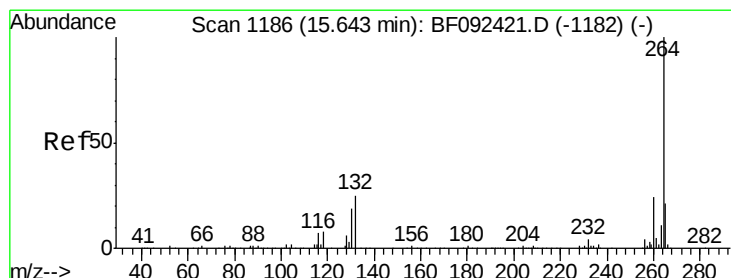
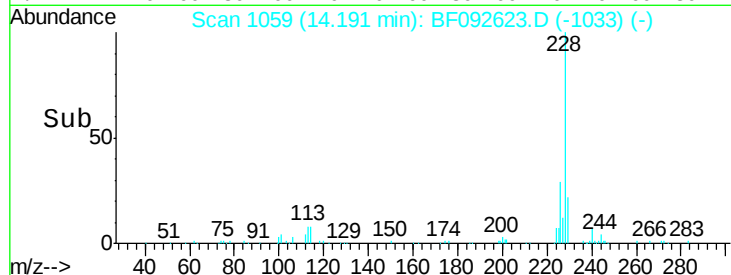
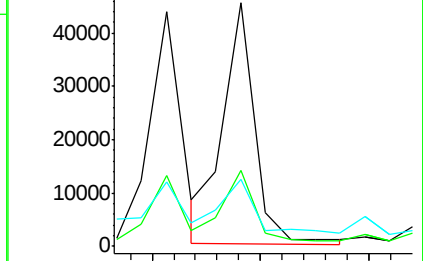
229 27.6 16.2 24.2#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.65 min Scan# 1187

Delta R.T. 0.01 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

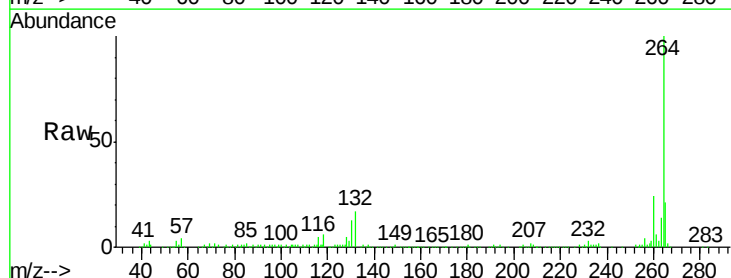
Tgt Ion:264 Resp: 232163

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

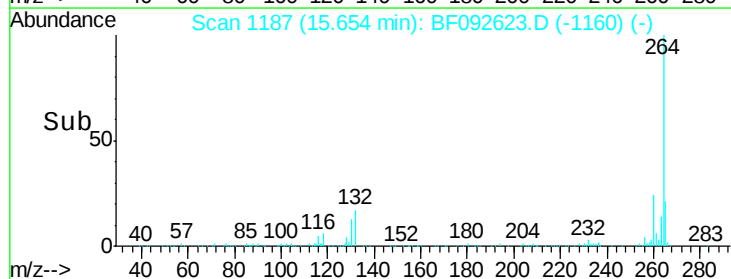
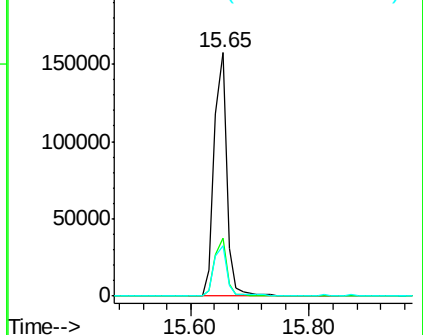
265 20.9 17.4 26.0

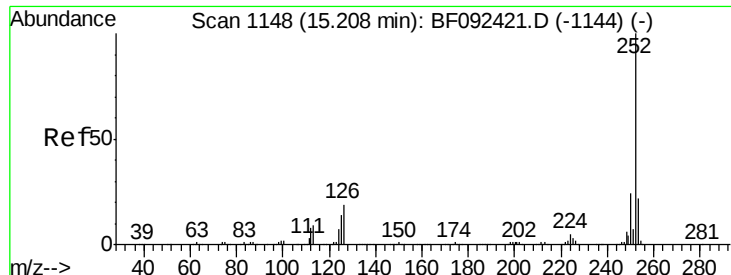


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.89 ng m

RT: 15.21 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BF092623.D

Acq: 28 Jan 2017 13:23

Instrument :

BNA_F

ClientSampleId :

UST-3A

Tgt Ion:252 Resp: 43007

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.4

125 17.1 9.8 14.6#

