

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094245.D
 Acq On : 7 Apr 2017 1:25
 Operator : SJ/MA
 Sample : I2400-01 30X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-1B

Quant Time: Apr 07 06:59:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

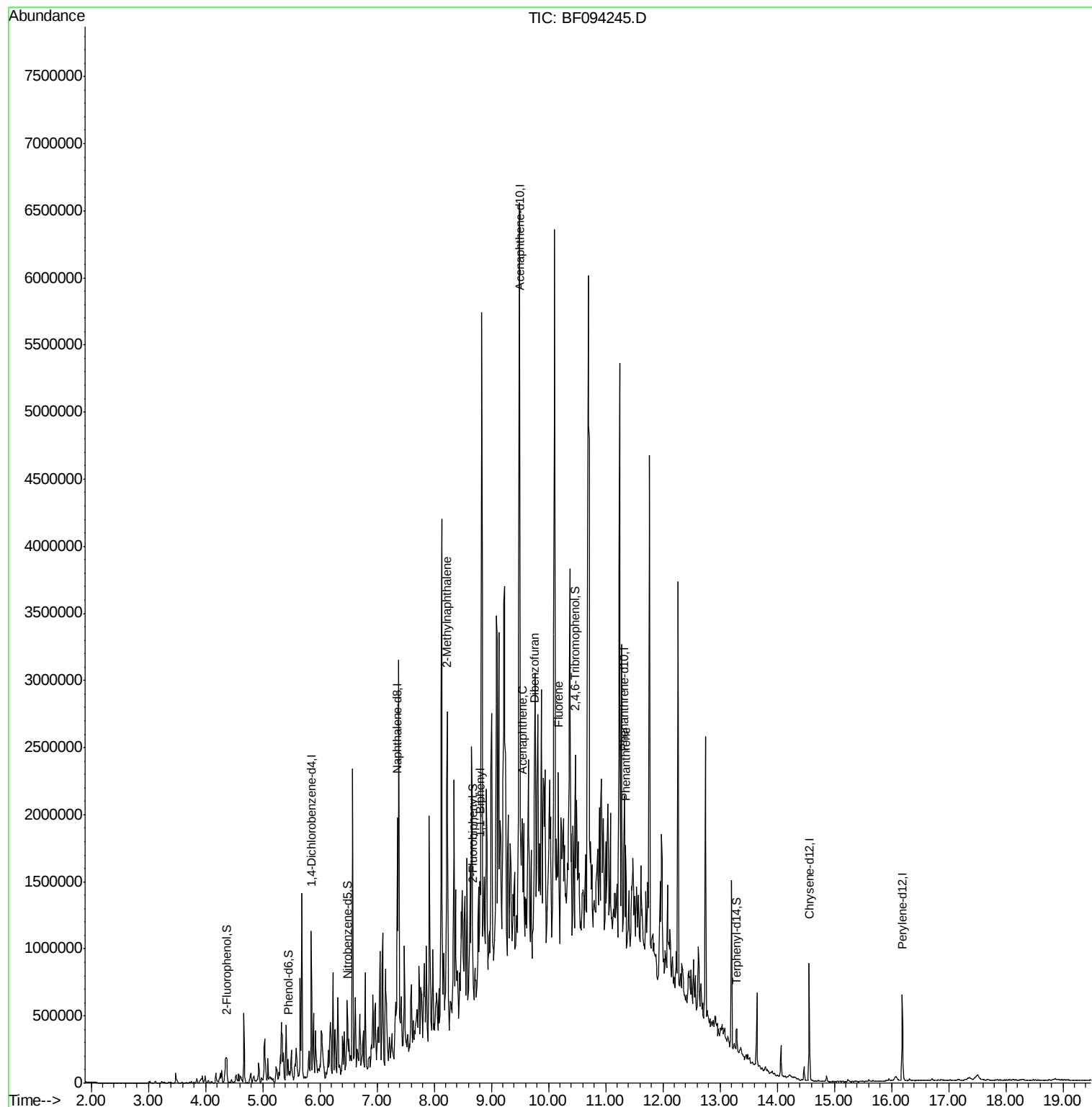
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	150020	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	606850	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	224091	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	462465	20.00	ng	0.00
75) Chrysene-d12	14.56	240	328876	20.00	ng	-0.01
86) Perylene-d12	16.19	264	261832	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	42840	4.82	ng	-0.01
7) Phenol-d6	5.45	99	56084	5.10	ng	-0.02
23) Nitrobenzene-d5	6.49	82	45423	4.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	8699	4.91	ng	0.00
44) 2-Fluorobiphenyl	8.67	172	67980	4.63	ng	-0.01
78) Terphenyl-d14	13.29	244	54638	3.72	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.23	142	693366	35.65	ng	99
45) 1,1'-Biphenyl	8.80	154	135651	7.50	ng	97
51) Acenaphthene	9.54	154	41850	3.05	ng	# 88
54) Dibenzofuran	9.75	168	49055	2.63	ng	# 55
57) Fluorene	10.17	166	104034	6.72	ng	# 88
70) Phenanthrene	11.35	178	314658	12.23	ng	98

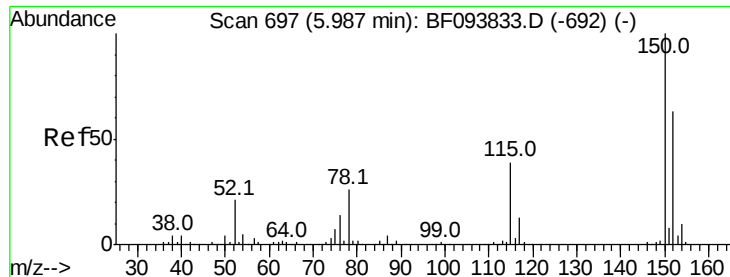
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094245.D
Acq On : 7 Apr 2017 1:25
Operator : SJ/MA
Sample : I2400-01 30X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UST-1B

Quant Time: Apr 07 06:59:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

Instrument :

BNA_F

ClientSampleId :

UST-1B

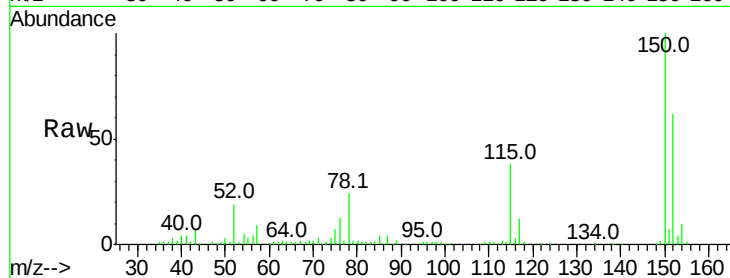
Tot Ion:152 Resp: 150020

Ion Ratio Lower Upper

152 100

150 161.7 126.2 189.2

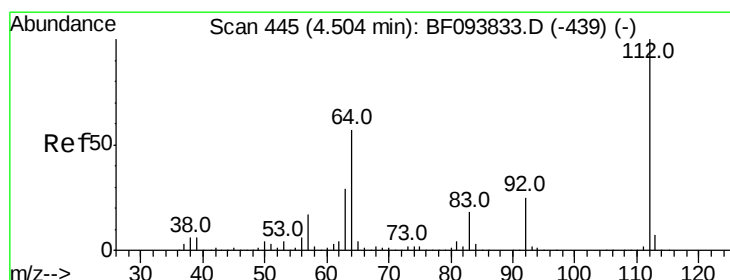
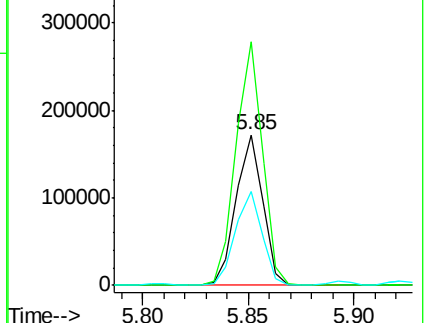
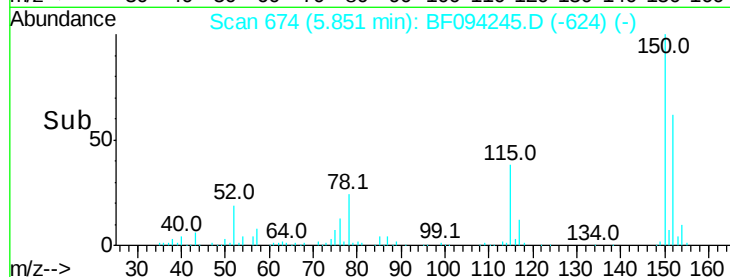
115 61.9 52.2 78.2



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: 4.82 ng

RT: 4.37 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

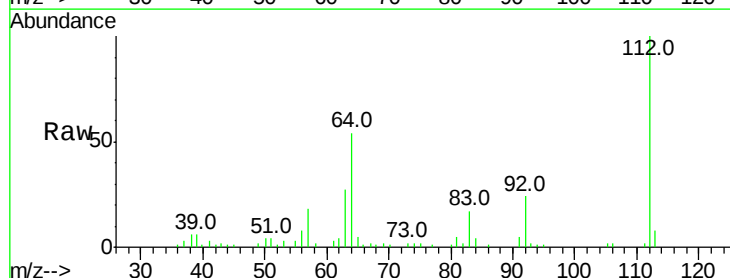
Tgt Ion:112 Resp: 42840

Ion Ratio Lower Upper

112 100

64 53.5 46.0 69.0

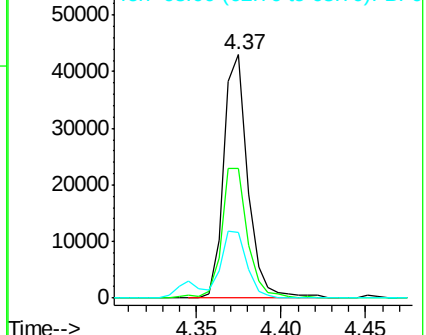
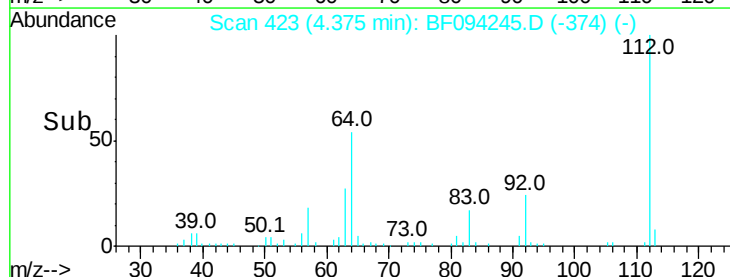
63 27.0 23.4 35.0

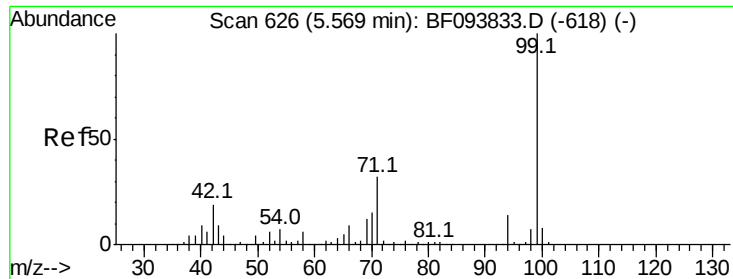


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.10 ng

RT: 5.45 min Scan# 605

Delta R.T. -0.02 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

Instrument :

BNA_F

ClientSampleId :

UST-1B

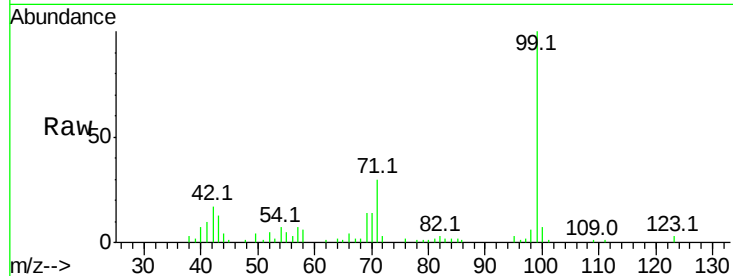
Tot Ion: 99 Resp: 56084

Ion Ratio Lower Upper

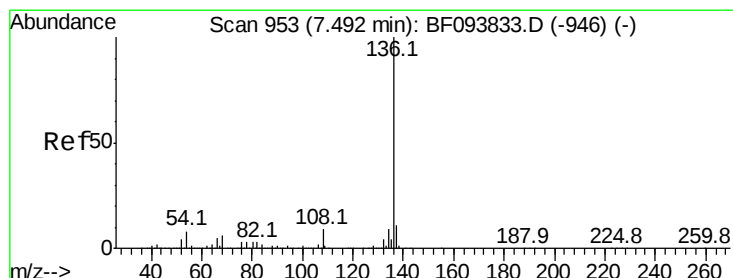
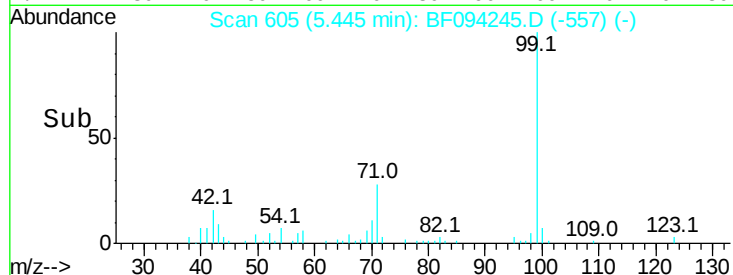
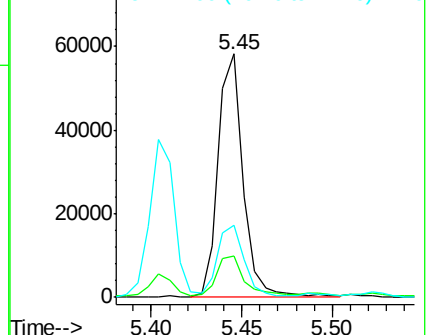
99 100

42 17.0 13.5 20.3

71 29.5 24.5 36.7



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: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

Tgt Ion: 136 Resp: 606850

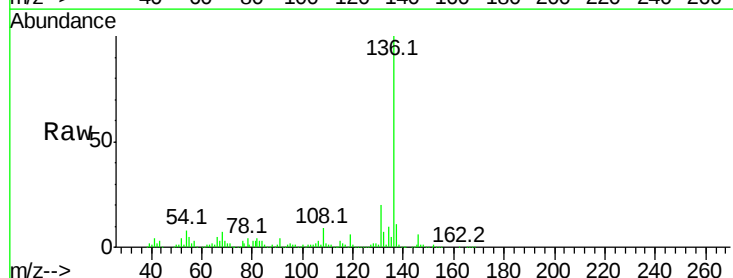
Ion Ratio Lower Upper

136 100

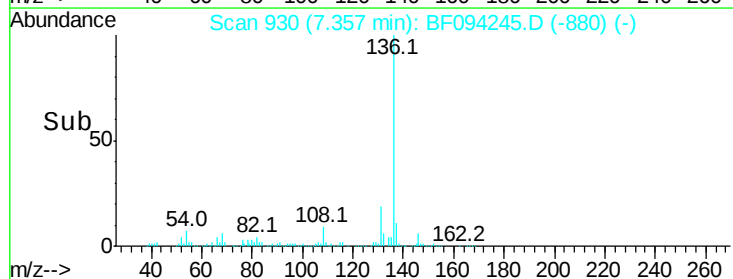
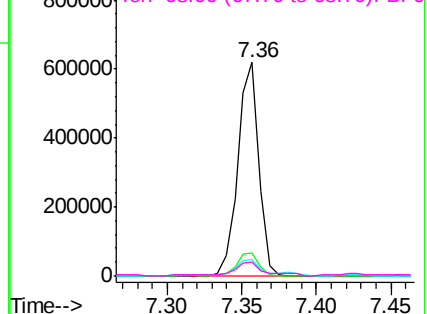
137 10.8 8.5 12.7

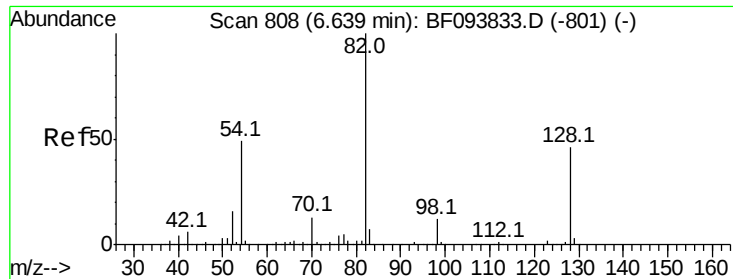
54 7.6 4.9 7.3#

68 6.7 4.1 6.1#



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

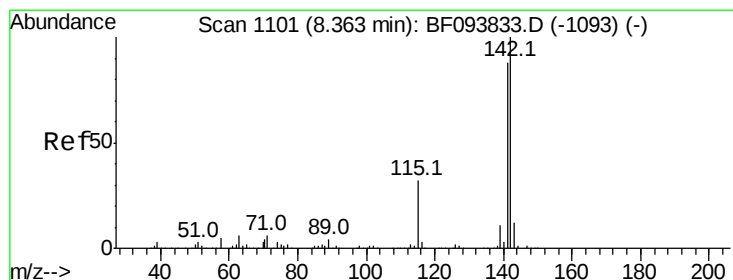
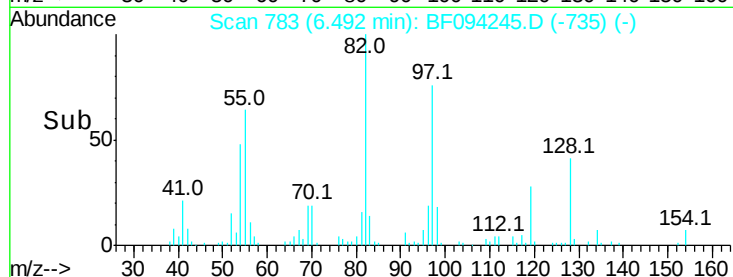
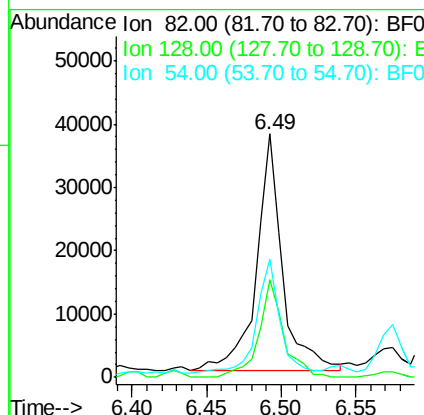
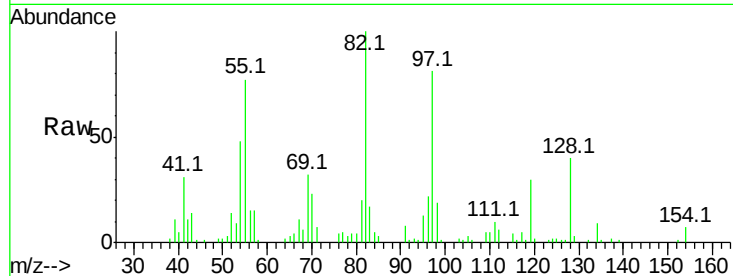




#23
 Nitrobenzene-d5
 Concen: 4.27 ng
 RT: 6.49 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF094245.D
 Acq: 7 Apr 2017 1:25

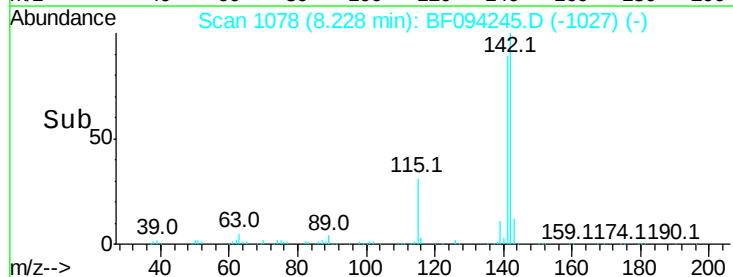
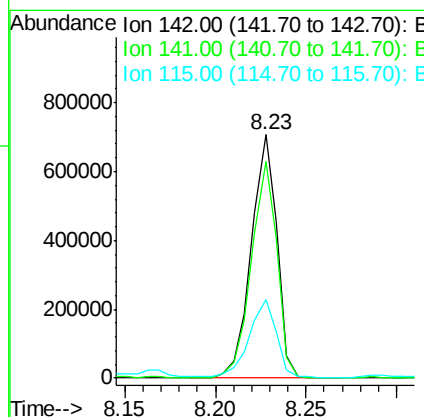
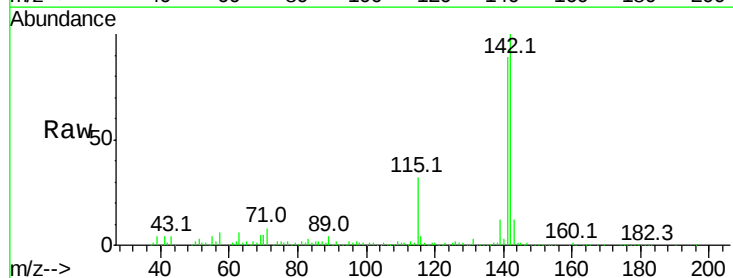
Instrument :
 BNA_F
 ClientSampleId :
 UST-1B

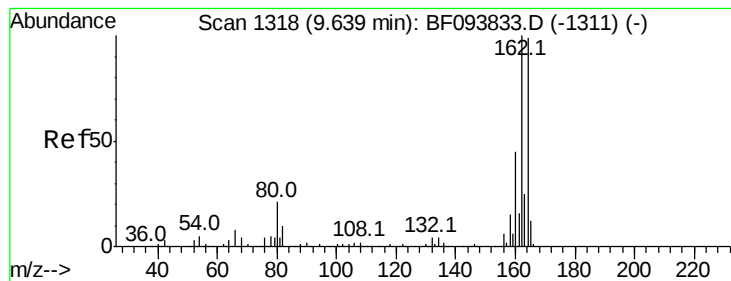
Tot Ion	82	Resp	45423
Ion Ratio	Lower	Upper	
82	100		
128	40.2	34.0	51.0
54	48.4	42.2	63.2



#37
 2-Methylnaphthalene
 Concen: 35.65 ng
 RT: 8.23 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: BF094245.D
 Acq: 7 Apr 2017 1:25

Tgt Ion	142	Resp	693366
Ion Ratio	Lower	Upper	
142	100		
141	89.3	71.3	106.9
115	32.3	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.50 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

Instrument :

BNA_F

ClientSampleId :

UST-1B

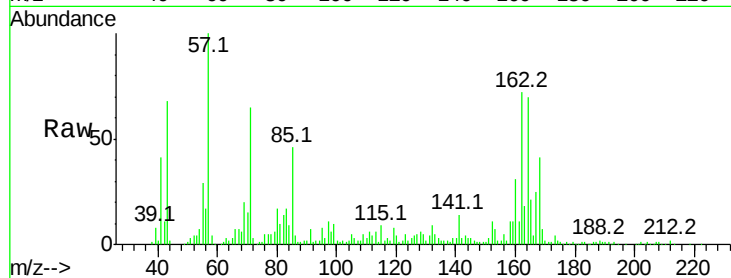
Tot Ion:164 Resp: 224091

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

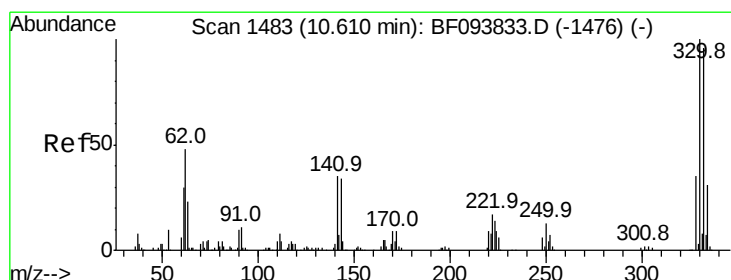
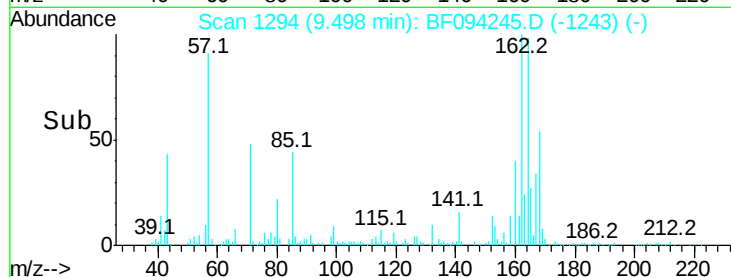
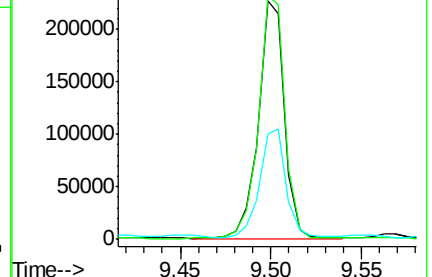
160 44.2 36.2 54.2



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: 4.91 ng

RT: 10.47 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

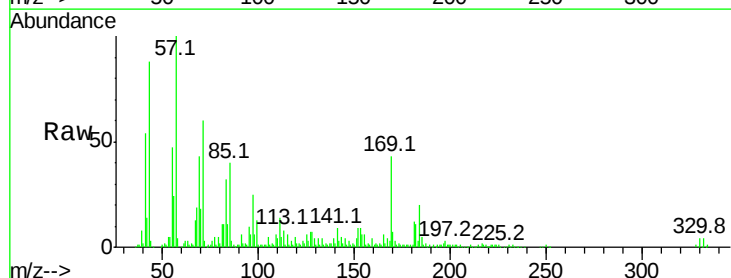
Tgt Ion:330 Resp: 8699

Ion Ratio Lower Upper

330 100

332 98.0 76.6 115.0

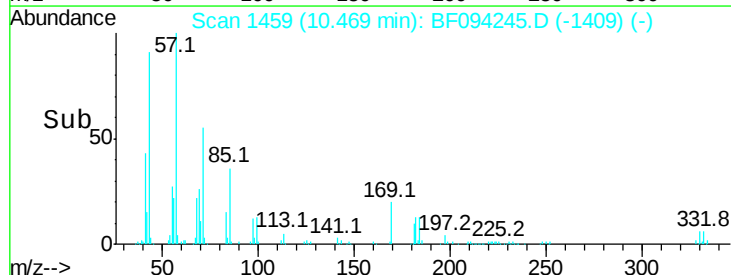
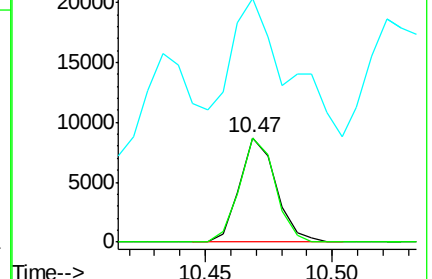
141 202.0 31.4 47.2#

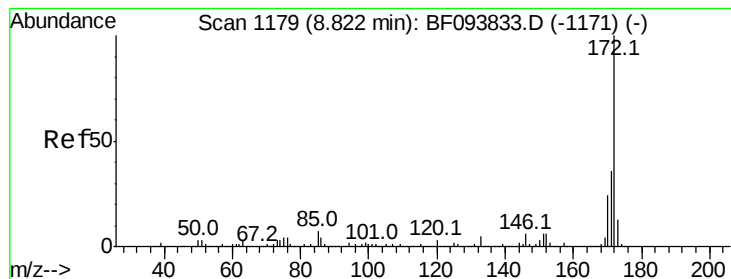


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

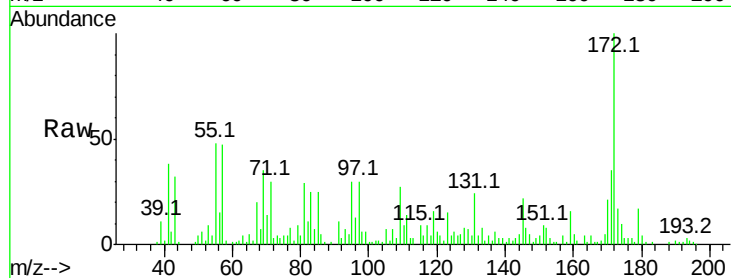




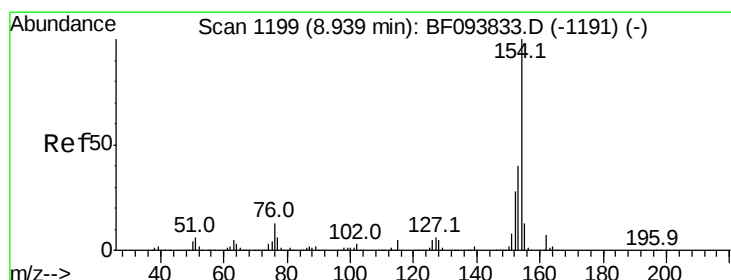
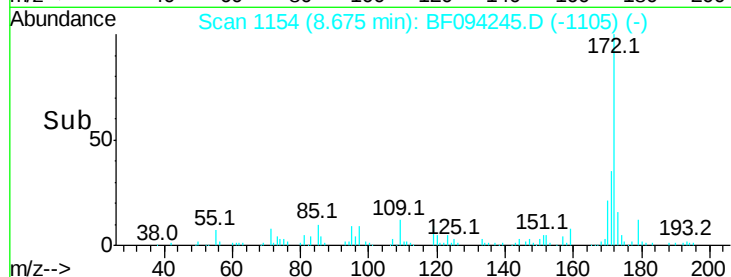
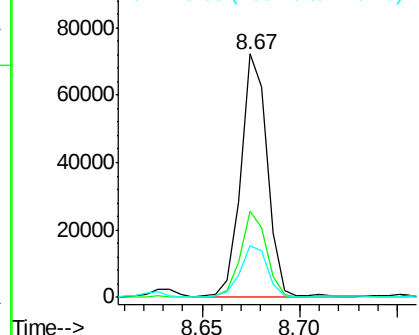
#44
2-Fluorobiphenyl
Concen: 4.63 ng
RT: 8.67 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF094245.D
Acq: 7 Apr 2017 1:25

Instrument :
BNA_F
ClientSampleId :
UST-1B

Tot Ion:172 Resp: 67980
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 21.0 19.8 29.8

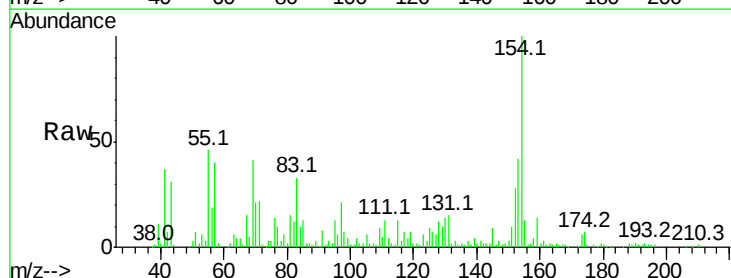


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

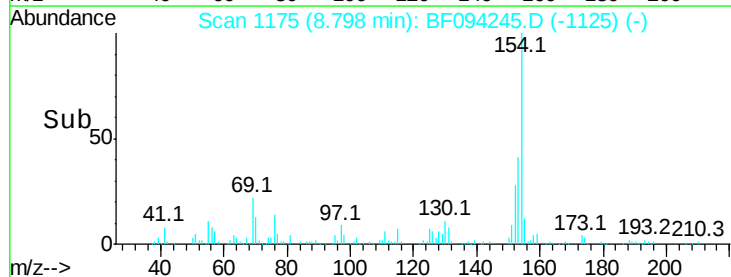
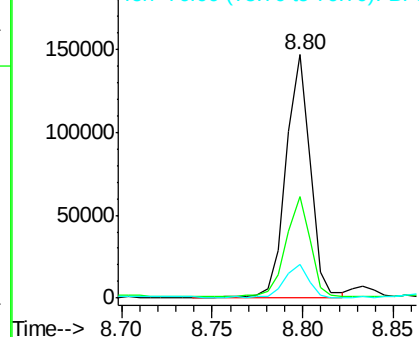


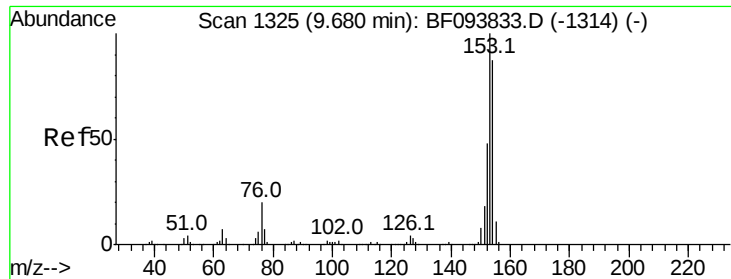
#45
1,1'-Biphenyl
Concen: 7.50 ng
RT: 8.80 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF094245.D
Acq: 7 Apr 2017 1:25

Tgt Ion:154 Resp: 135651
Ion Ratio Lower Upper
154 100
153 41.6 21.2 61.2
76 14.1 0.0 29.9



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





#51

Acenaphthene

Concen: 3.05 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

Instrument :

BNA_F

ClientSampleId :

UST-1B

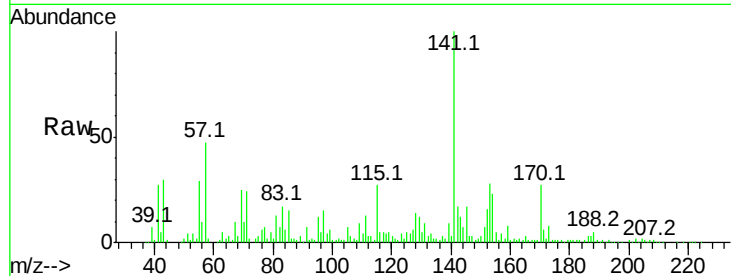
Tot Ion:154 Resp: 41850

Ion Ratio Lower Upper

154 100

153 122.2 90.5 135.7

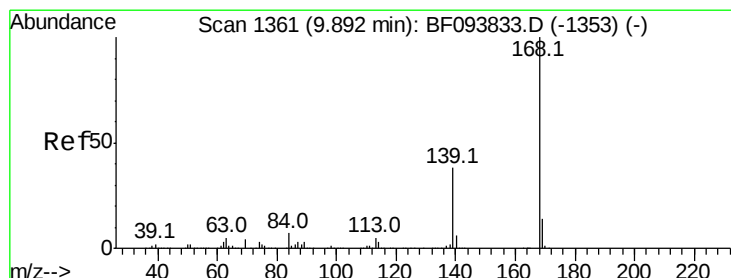
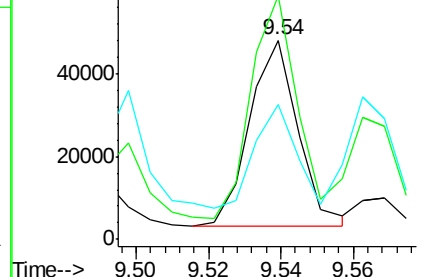
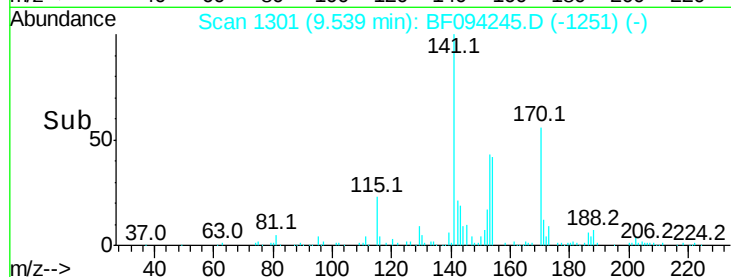
152 67.4 43.6 65.4#



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



#54

Dibenzofuran

Concen: 2.63 ng

RT: 9.75 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

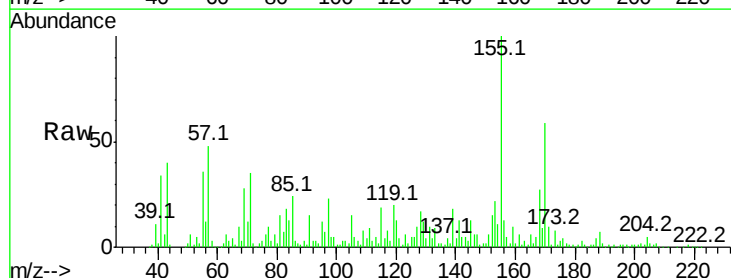
Tgt Ion:168 Resp: 49055

Ion Ratio Lower Upper

168 100

139 64.6 30.6 45.8#

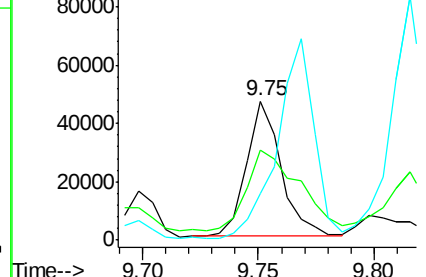
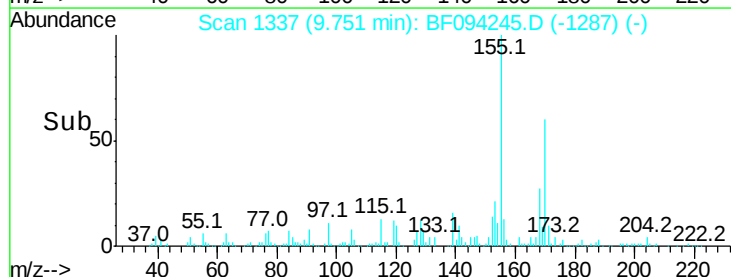
169 33.4 10.8 16.2#

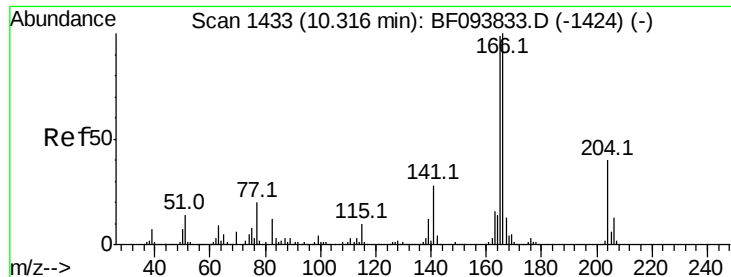


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

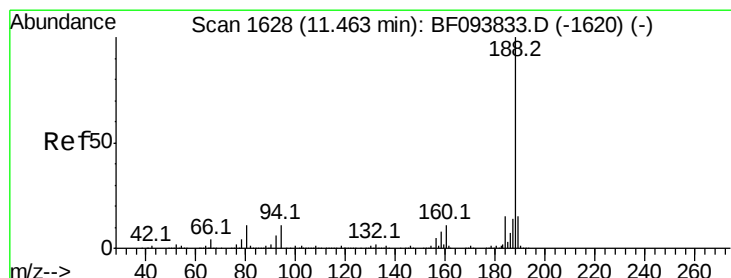
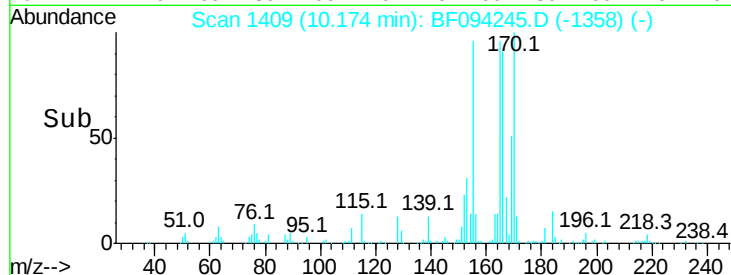
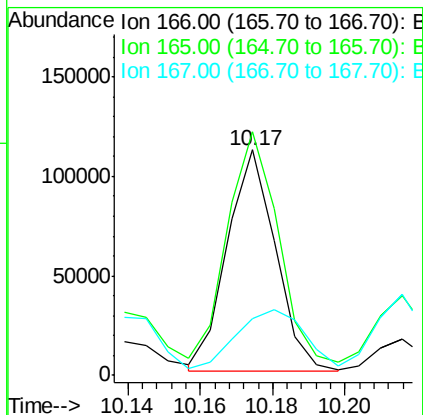
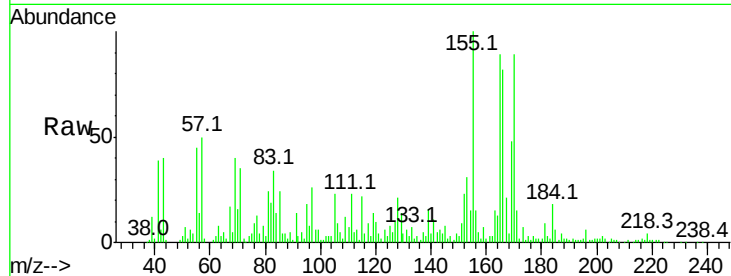




#57
 Fluorene
 Concen: 6.72 ng
 RT: 10.17 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BF094245.D
 Acq: 7 Apr 2017 1:25

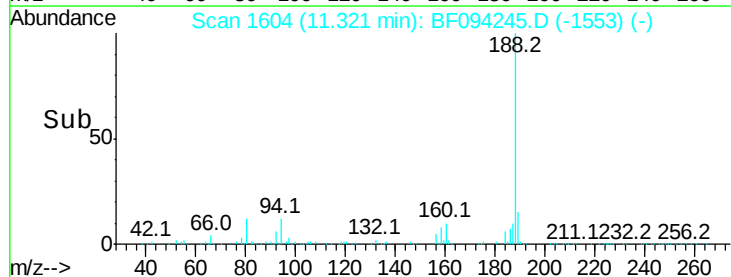
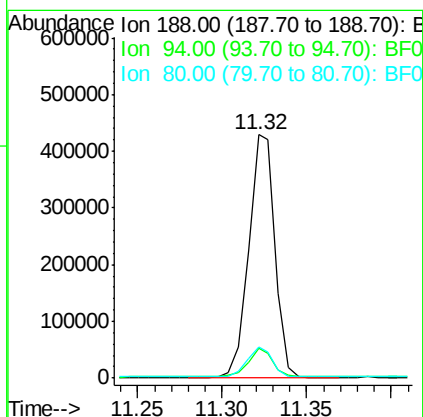
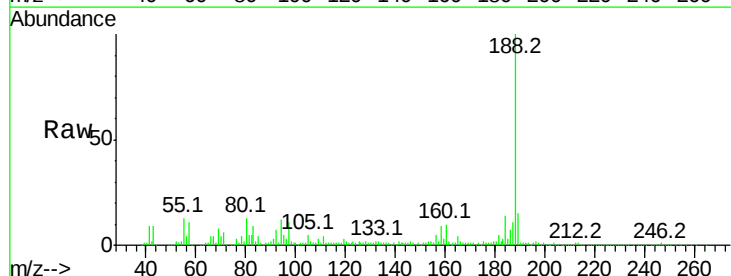
Instrument :
 BNA_F
 ClientSampleId :
 UST-1B

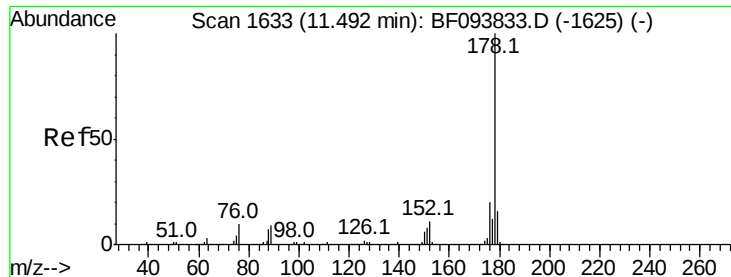
Tot Ion:166 Resp: 104034
 Ion Ratio Lower Upper
 166 100
 165 107.9 78.8 118.2
 167 25.4 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: BF094245.D
 Acq: 7 Apr 2017 1:25

Tgt Ion:188 Resp: 462465
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.4 14.2
 80 12.9 10.2 15.2





#70

Phenanthrene

Concen: 12.23 ng

RT: 11.35 min Scan# 1609

Delta R.T. -0.00 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

Instrument :

BNA_F

ClientSampleId :

UST-1B

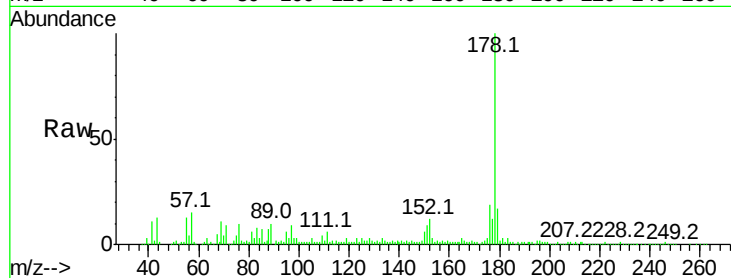
Tot Ion:178 Resp: 314658

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

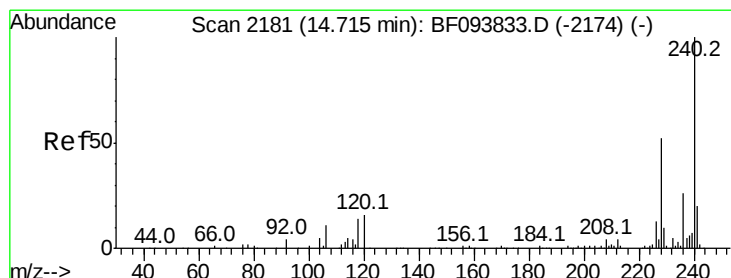
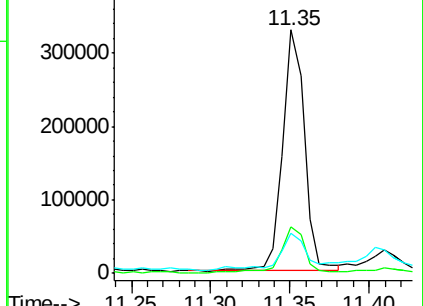
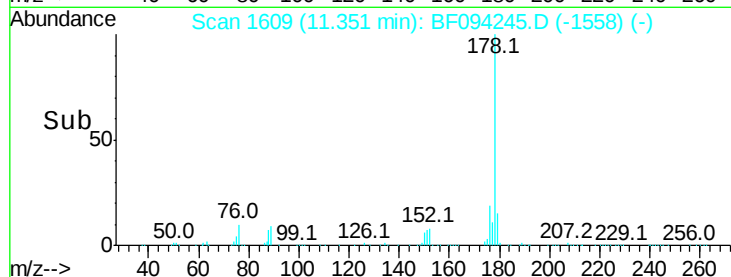
179 16.6 12.6 19.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

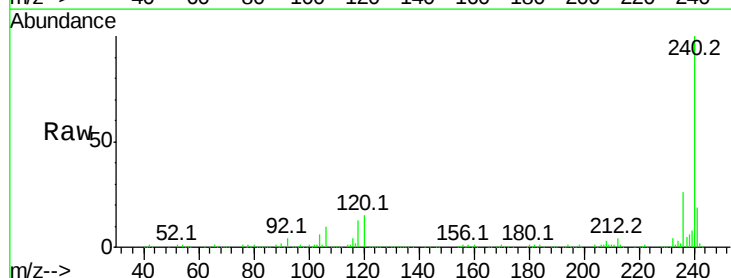
Tgt Ion:240 Resp: 328876

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

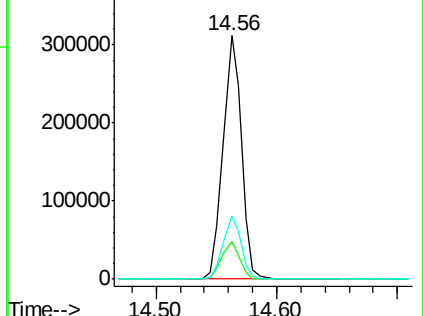
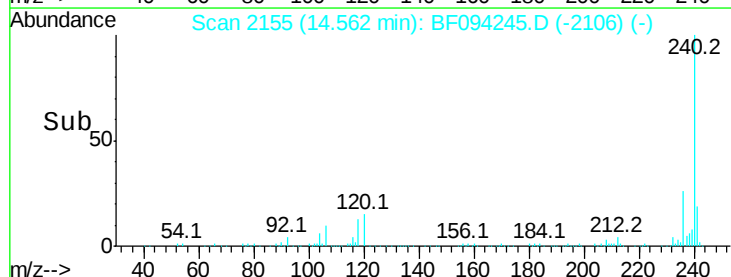
236 26.0 20.5 30.7

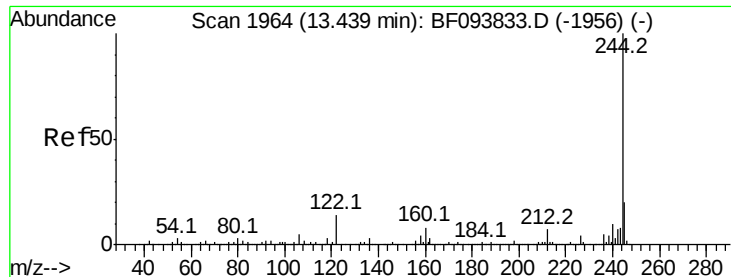


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 3.72 ng

RT: 13.29 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

Instrument :

BNA_F

ClientSampleId :

UST-1B

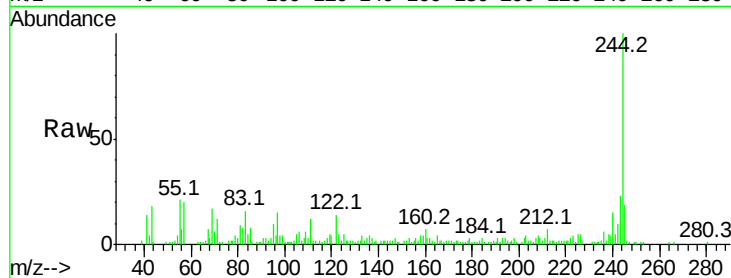
Tot Ion:244 Resp: 54638

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

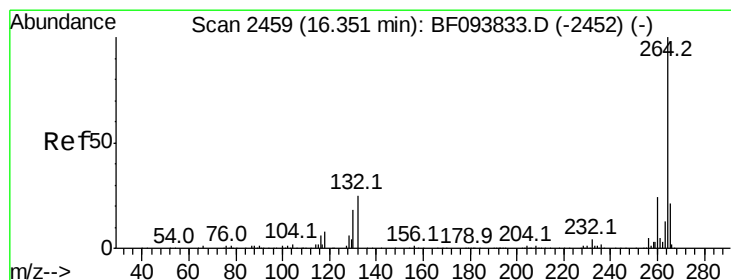
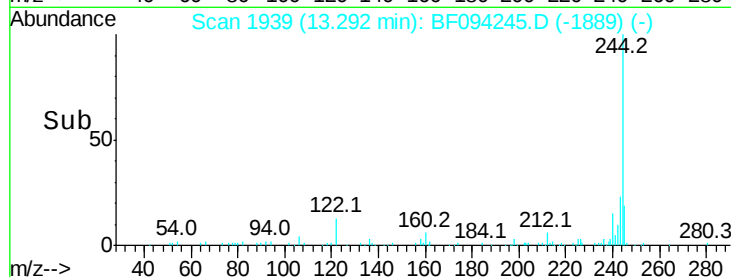
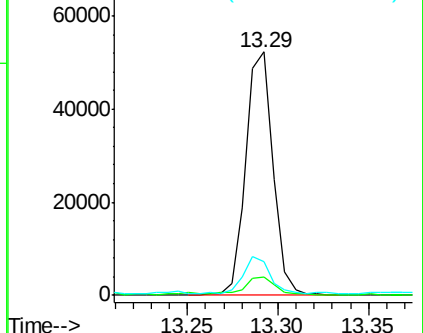
122 13.6 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.19 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BF094245.D

Acq: 7 Apr 2017 1:25

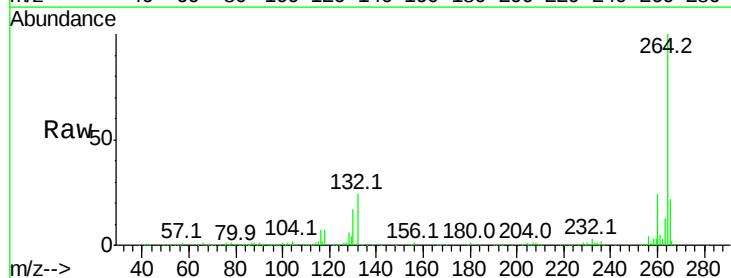
Tgt Ion:264 Resp: 261832

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.5 17.2 25.8



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

