

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
 Data File : BF091262.D
 Acq On : 22 Nov 2016 00:31
 Operator : UM/SJ
 Sample : H5660-04 50X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

Quant Time: Nov 22 02:29:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 00:44:52 2016
 Response via : Initial Calibration

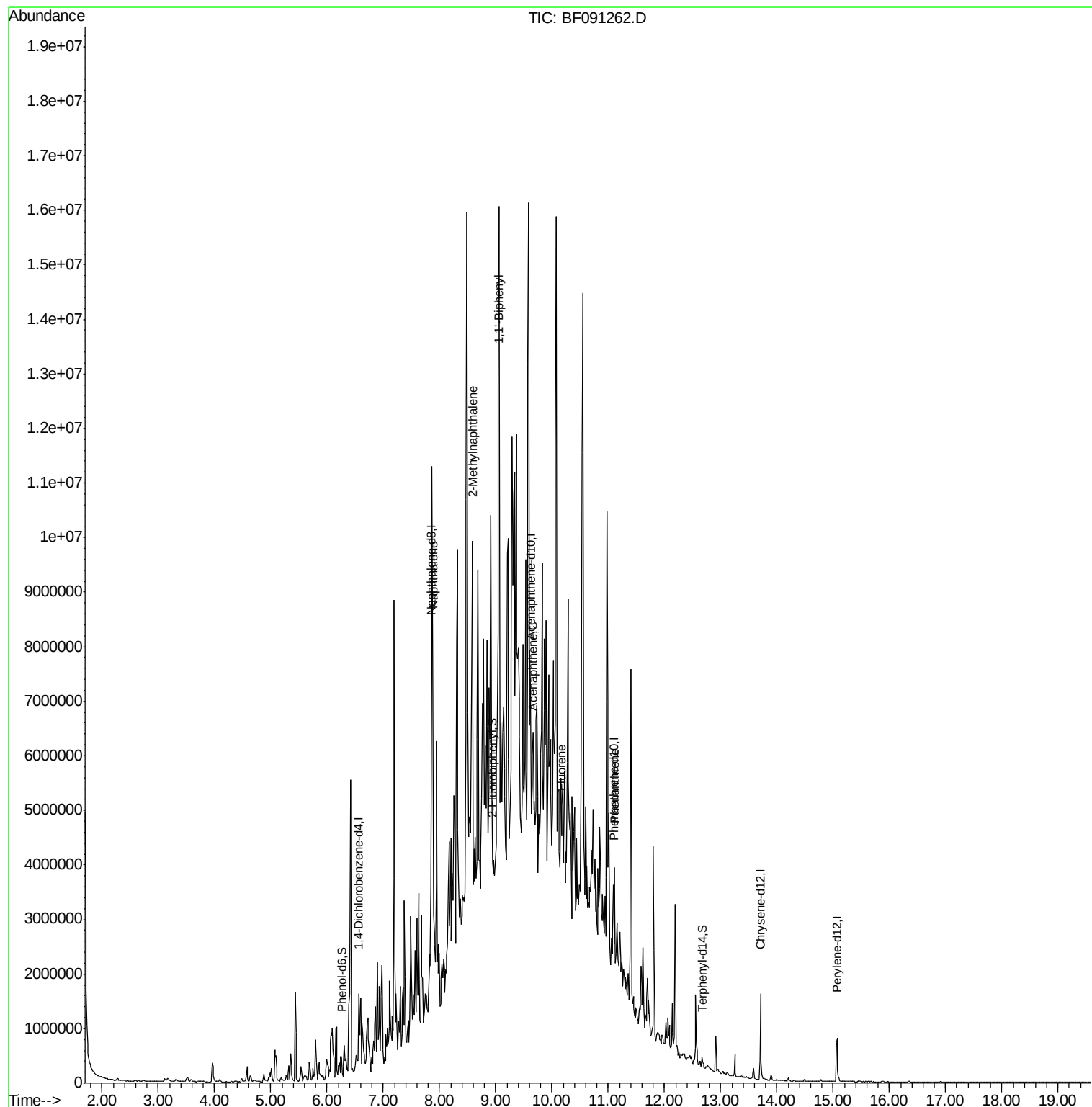
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	192773	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	583765	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	399040	20.00	ng	0.01
63) Phenanthrene-d10	11.09	188	716921	20.00	ng	0.01
75) Chrysene-d12	13.71	240	609334	20.00	ng	0.00
86) Perylene-d12	15.07	264	476560	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	3641	0.31	ng	0.15
7) Phenol-d6	6.26	99	31461	2.27	ng	0.02
23) Nitrobenzene-d5	7.10	82	20753	1.96	ng	-0.05
41) 2,4,6-Tribromophenol	10.41	330	7419	1.99	ng	0.01
44) 2-Fluorobiphenyl	8.94	172	85741	3.75	ng	0.00
78) Terphenyl-d14	12.67	244	57476	2.14	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.88	128	837238	30.70	ng	# 94
37) 2-Methylnaphthalene	8.59	142	2878537	157.39	ng	# 95
45) 1,1'-Biphenyl	9.05	154	262679	8.63	ng	# 95
51) Acenaphthene	9.65	154	115956	5.49	ng	# 75
57) Fluorene	10.17	166	274549	11.53	ng	# 88
70) Phenanthrene	11.12	178	679978	18.05	ng	# 98

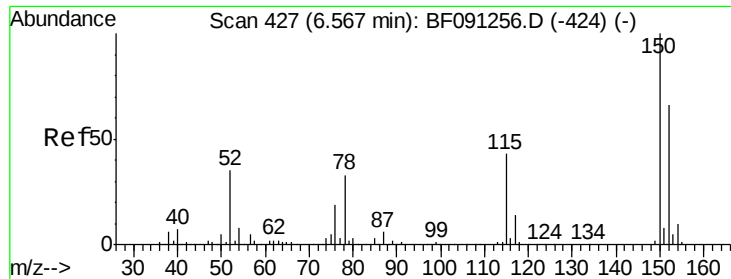
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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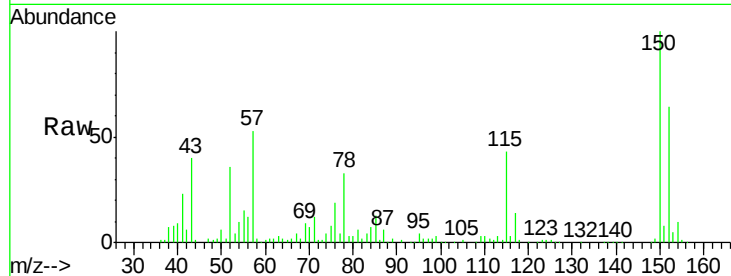


#1

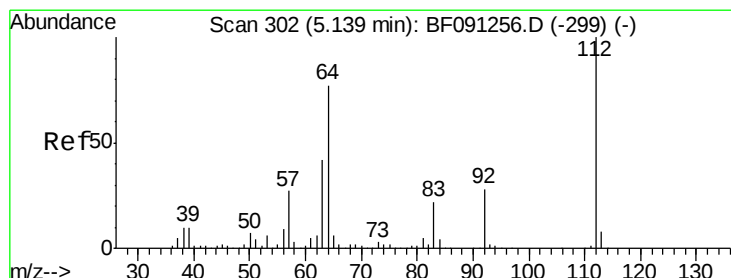
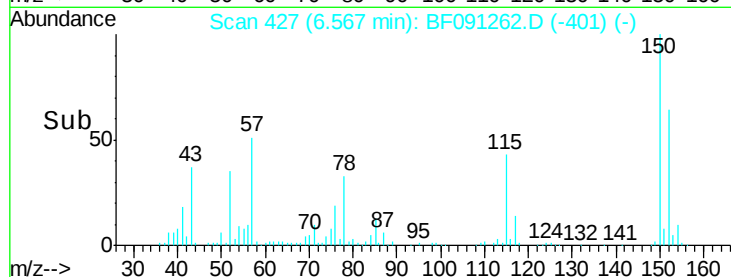
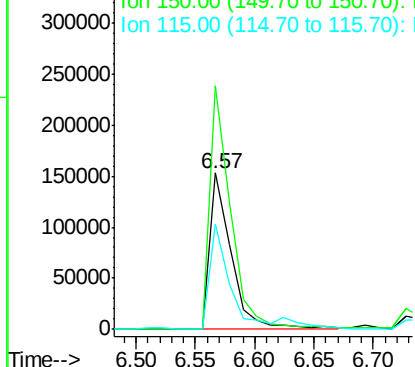
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Instrument :
BNA_F
ClientSampleId :
UST-SW2

Tot Ion:152 Resp: 192773
Ion Ratio Lower Upper
152 100
150 156.0 122.5 183.7
115 67.4 51.8 77.8



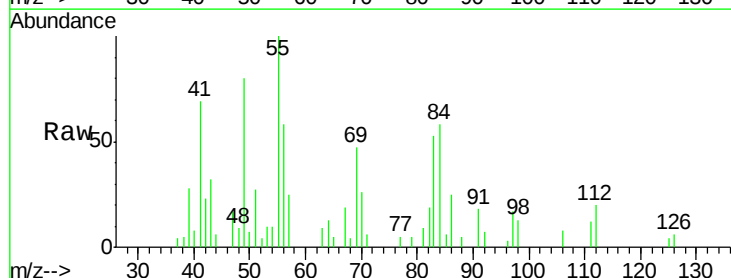
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



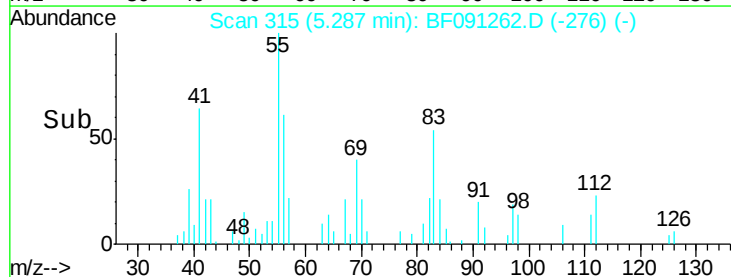
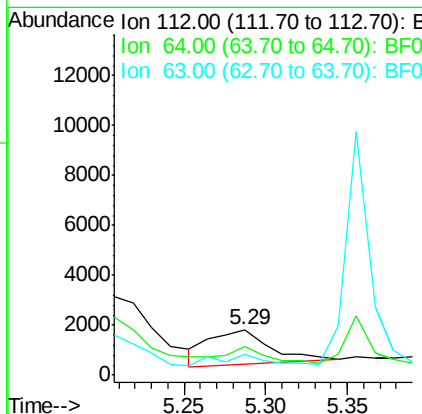
#5

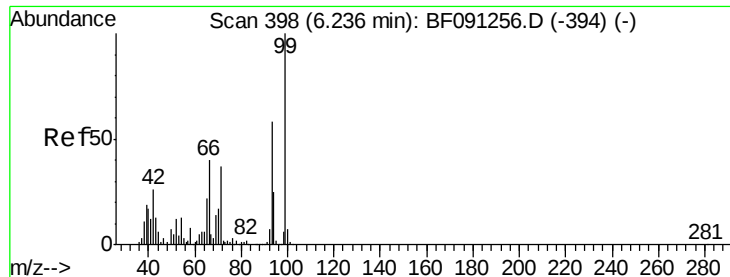
2-Fluorophenol
Concen: 0.31 ng
RT: 5.29 min Scan# 315
Delta R.T. 0.15 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:112 Resp: 3641
Ion Ratio Lower Upper
112 100
64 62.1 61.5 92.3
63 44.7 33.3 49.9



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: 2.27 ng

RT: 6.26 min Scan# 400

Delta R.T. 0.02 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

Instrument :

BNA_F

ClientSampleId :

UST-SW2

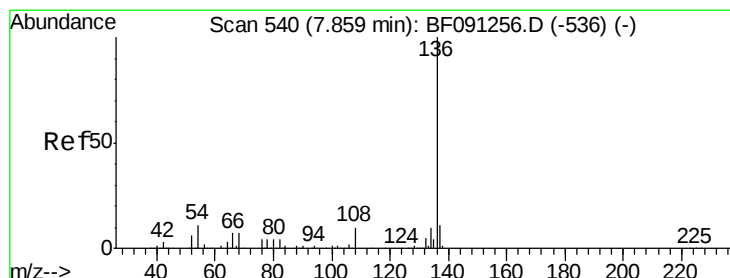
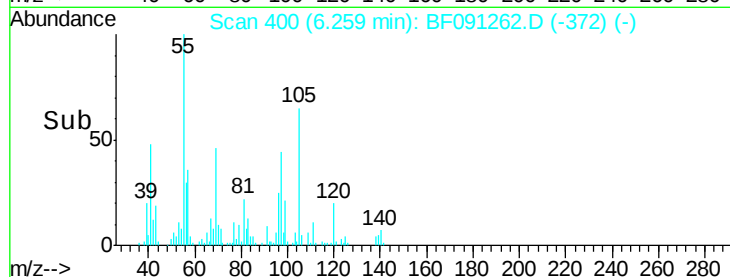
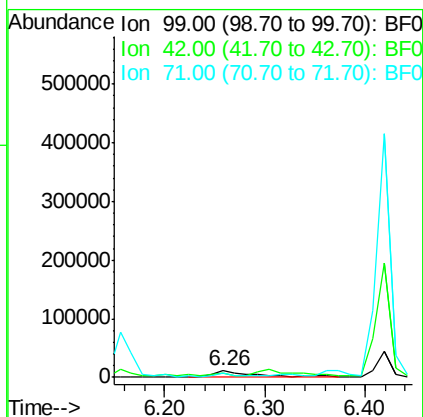
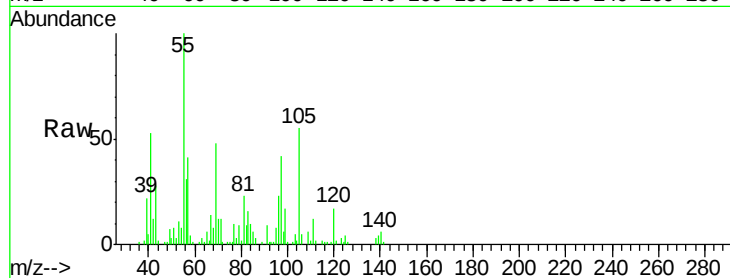
Tot Ion: 99 Resp: 31461

Ion Ratio Lower Upper

99 100

42 68.6 20.6 31.0#

71 69.6 29.9 44.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

Tgt Ion: 136 Resp: 583765

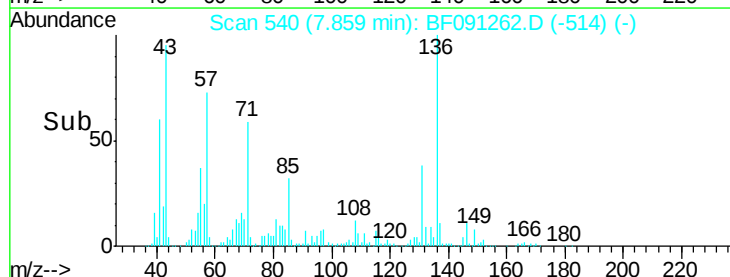
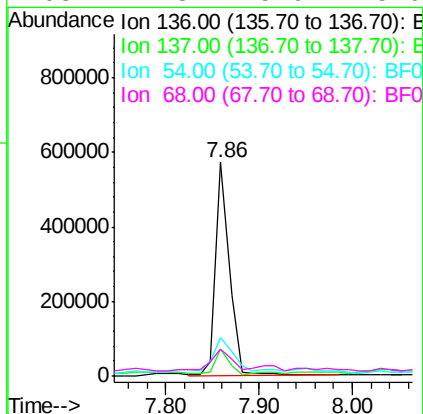
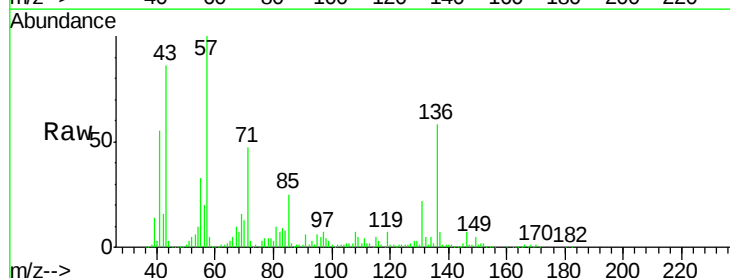
Ion Ratio Lower Upper

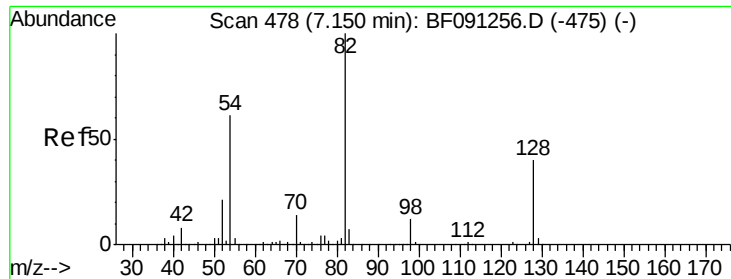
136 100

137 12.5 9.1 13.7

54 18.1 9.1 13.7#

68 12.8 5.9 8.9#

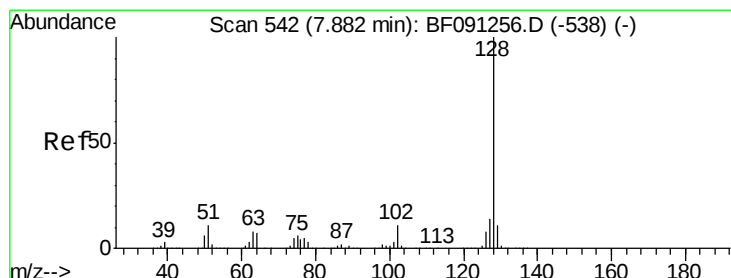
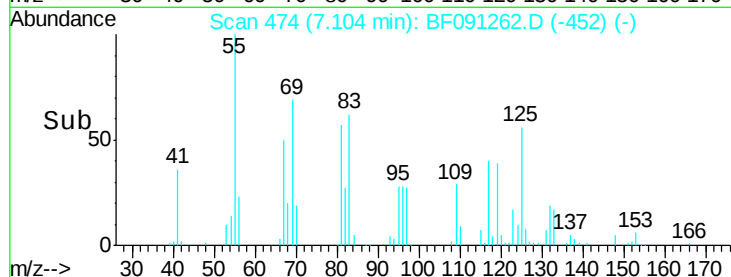
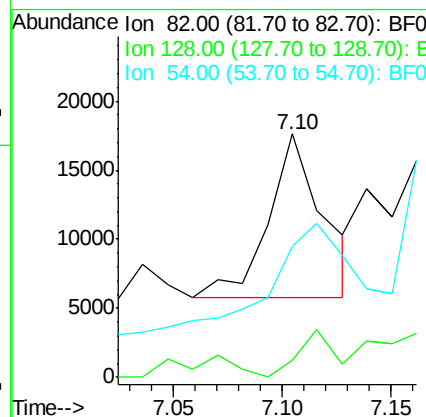
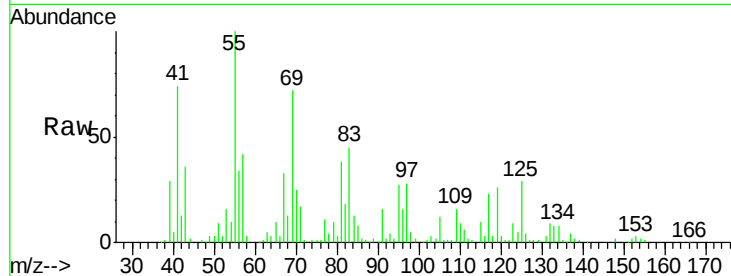




#23
Nitrobenzene-d5
Concen: 1.96 ng
RT: 7.10 min Scan# 474
Delta R.T. -0.05 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

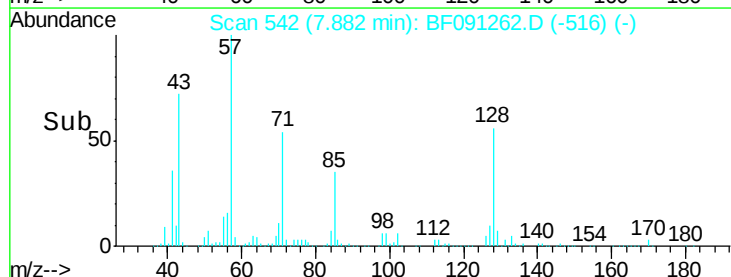
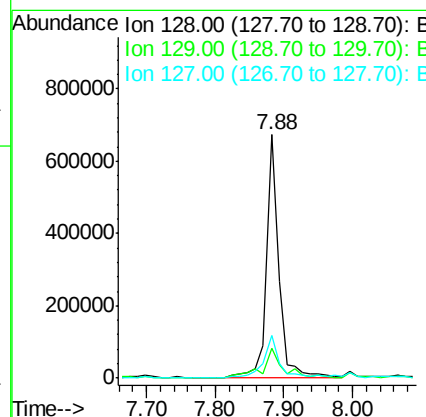
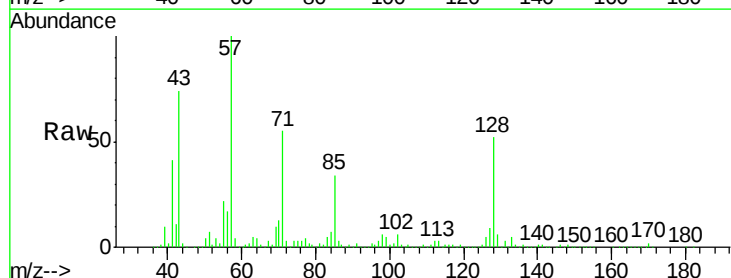
Instrument :
BNA_F
ClientSampleId :
UST-SW2

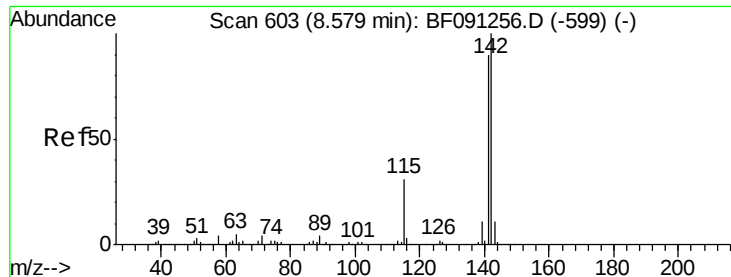
Tot Ion: 82 Resp: 20753
Ion Ratio Lower Upper
82 100
128 7.1 31.8 47.6#
54 54.0 49.1 73.7



#31
Naphthalene
Concen: 30.70 ng
RT: 7.88 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion: 128 Resp: 837238
Ion Ratio Lower Upper
128 100
129 12.2 9.1 13.7
127 17.5 11.0 16.4#

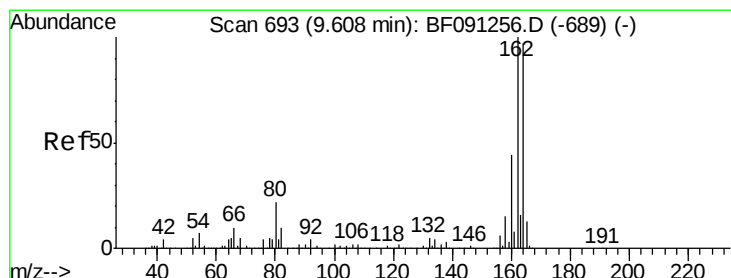
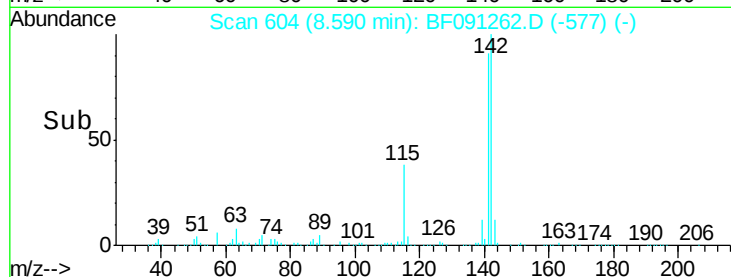
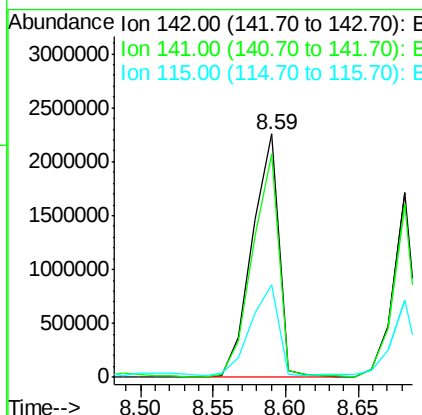
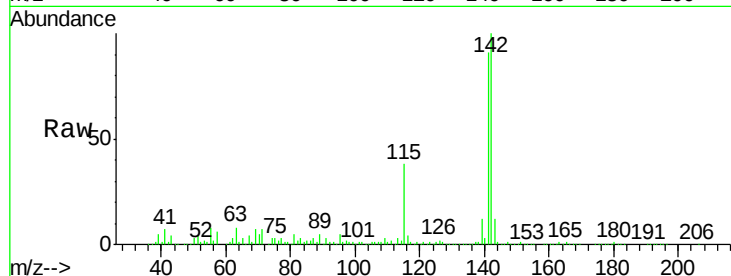




#37
2-Methylnaphthalene
Concen: 157.39 ng
RT: 8.59 min Scan# 604
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

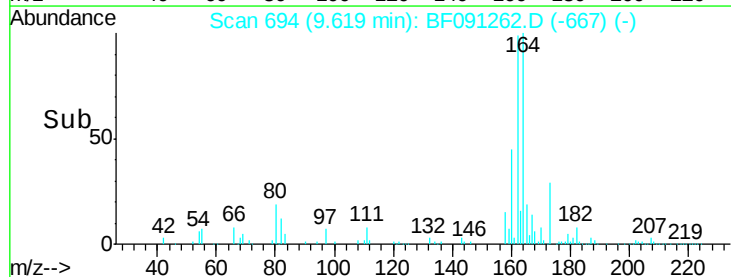
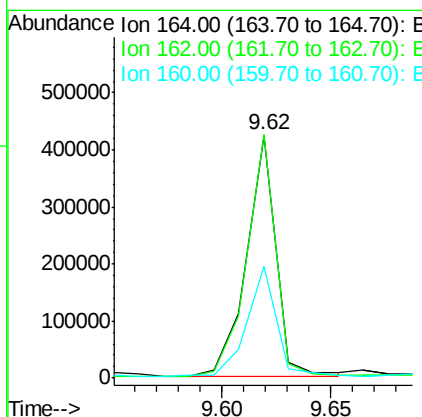
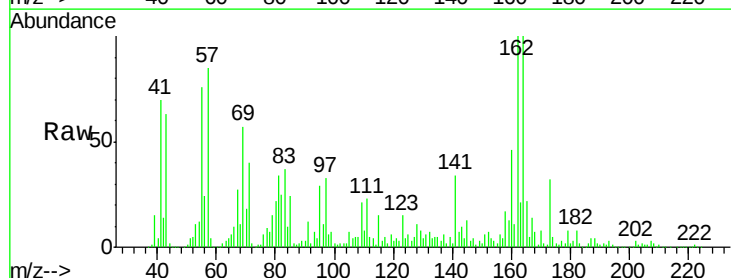
Instrument :
BNA_F
ClientSampleId :
UST-SW2

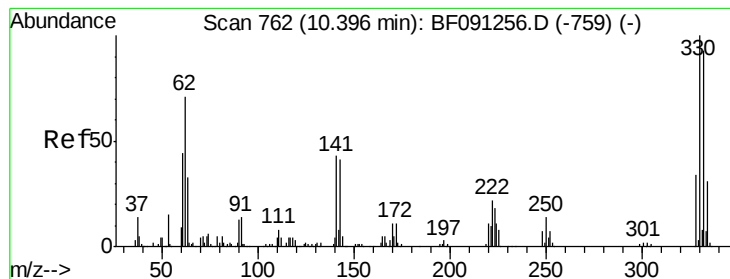
Tot Ion:142 Resp: 2878537
Ion Ratio Lower Upper
142 100
141 91.5 71.7 107.5
115 38.0 25.0 37.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 694
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:164 Resp: 399040
Ion Ratio Lower Upper
164 100
162 100.4 82.6 124.0
160 46.2 36.7 55.1





#41

2,4,6-Tribromophenol

Concen: 1.99 ng

RT: 10.41 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

Instrument :

BNA_F

ClientSampleId :

UST-SW2

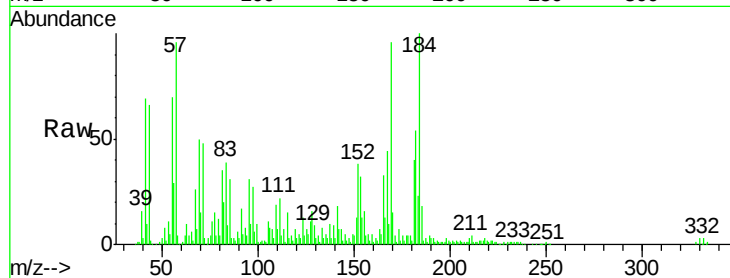
Tot Ion:330 Resp: 7419

Ion Ratio Lower Upper

330 100

332 103.0 76.2 114.4

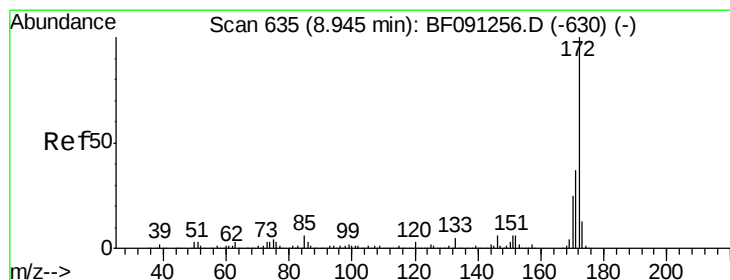
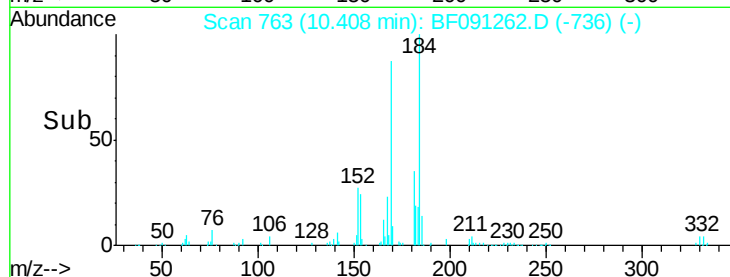
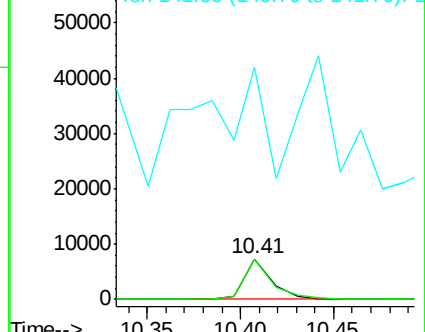
141 0.0 33.6 50.4#



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: 3.75 ng

RT: 8.94 min Scan# 635

Delta R.T. 0.00 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

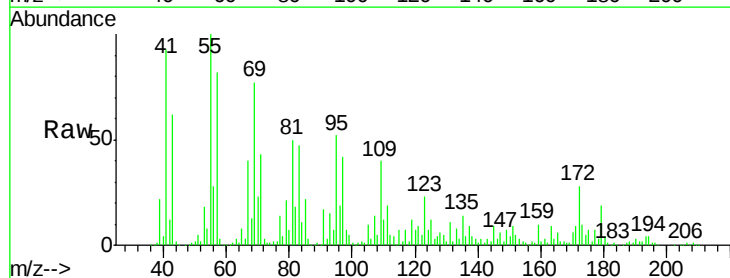
Tgt Ion:172 Resp: 85741

Ion Ratio Lower Upper

172 100

171 32.8 29.4 44.0

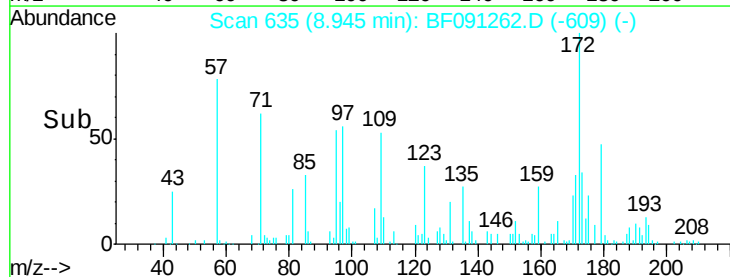
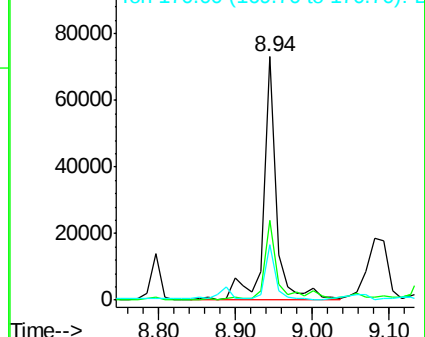
170 22.7 19.7 29.5

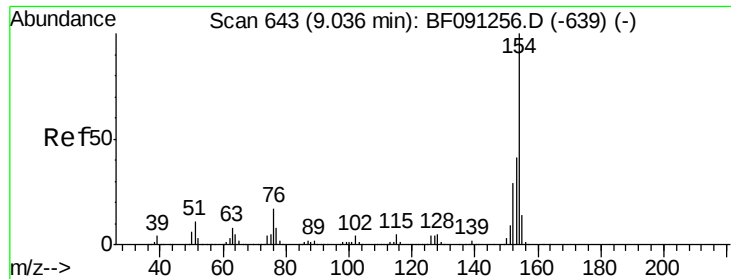


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 8.63 ng

RT: 9.05 min Scan# 644

Delta R.T. 0.01 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

Instrument :

BNA_F

ClientSampleId :

UST-SW2

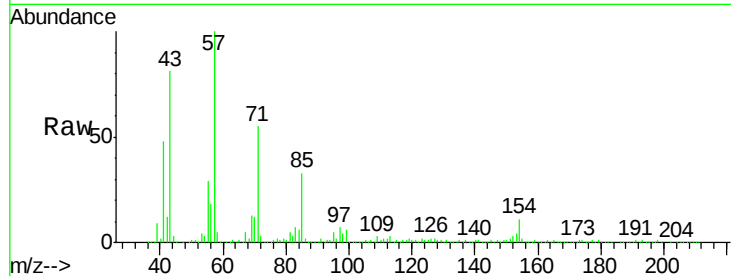
Tot Ion:154 Resp: 262679

Ion Ratio Lower Upper

154 100

153 39.7 20.6 60.6

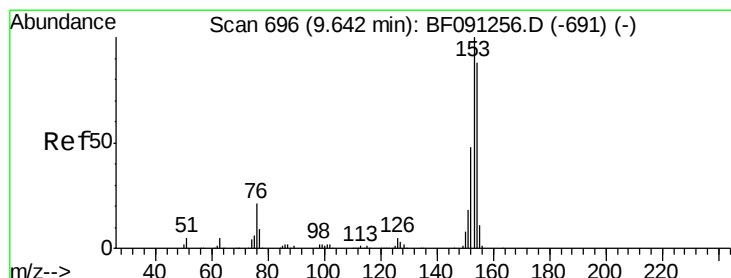
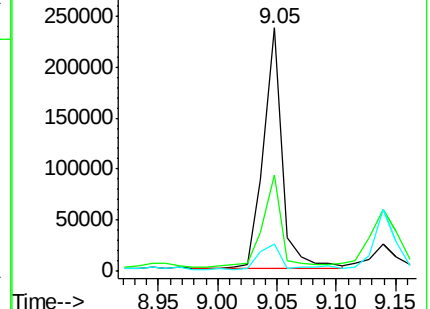
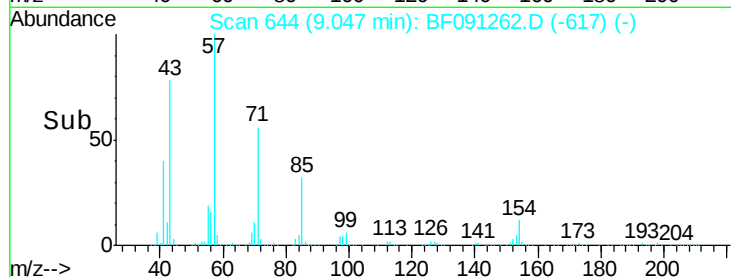
76 11.0 0.0 36.6



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: 5.49 ng

RT: 9.65 min Scan# 697

Delta R.T. 0.01 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

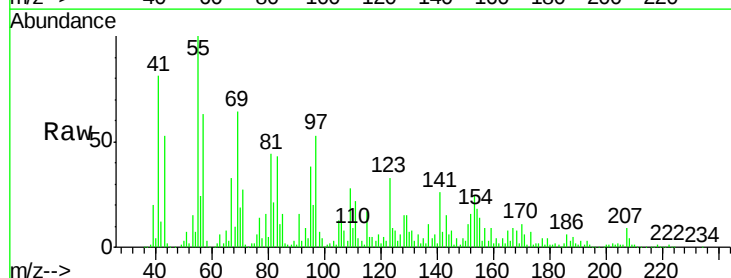
Tgt Ion:154 Resp: 115956

Ion Ratio Lower Upper

154 100

153 130.6 91.0 136.6

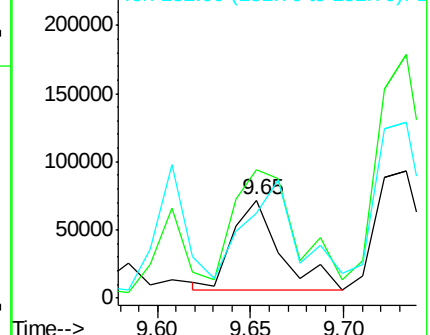
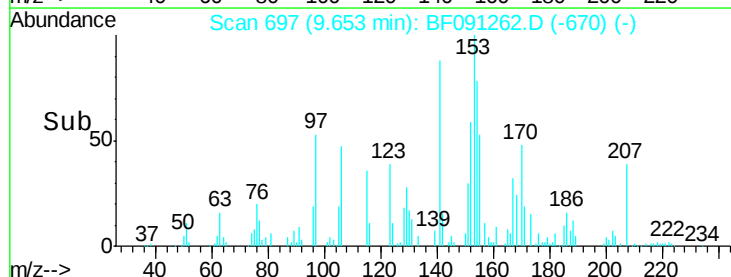
152 86.5 44.2 66.2#

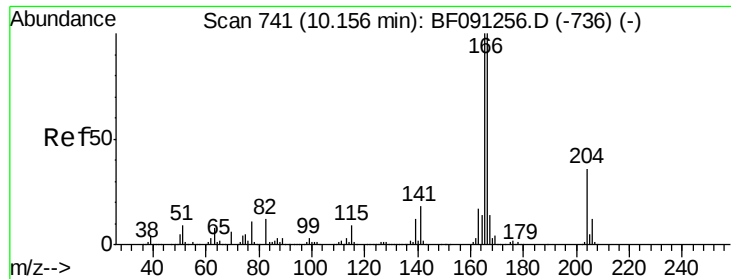


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

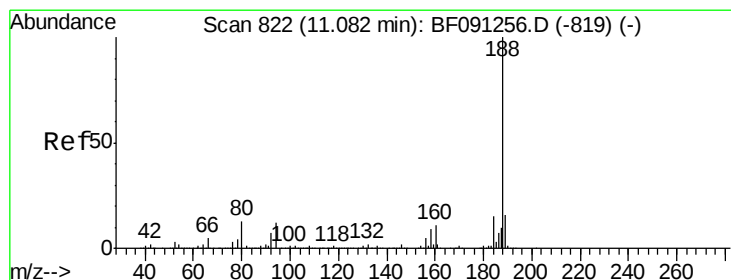
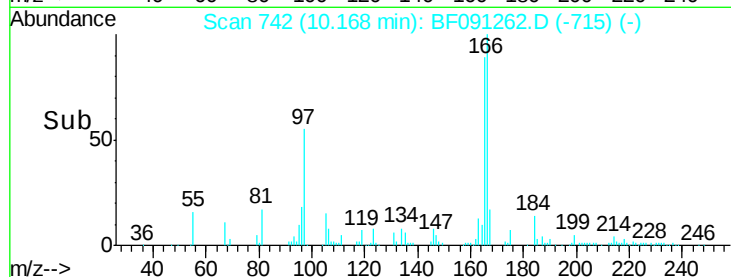
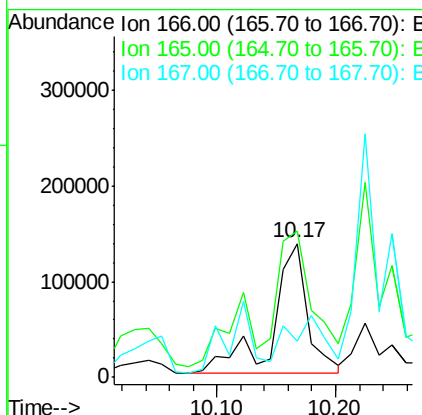
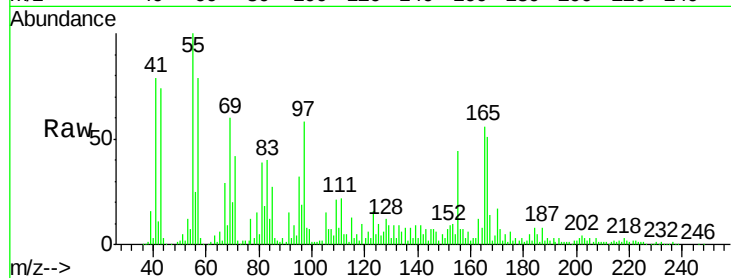




#57
Fluorene
 Concen: 11.53 ng
 RT: 10.17 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: BF091262.D
 Acq: 22 Nov 2016 00:31

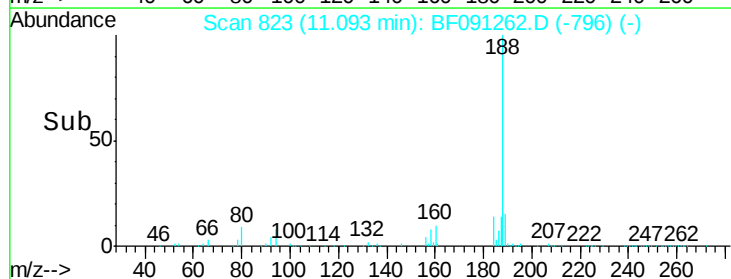
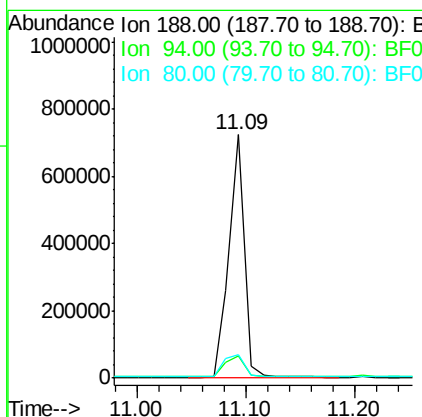
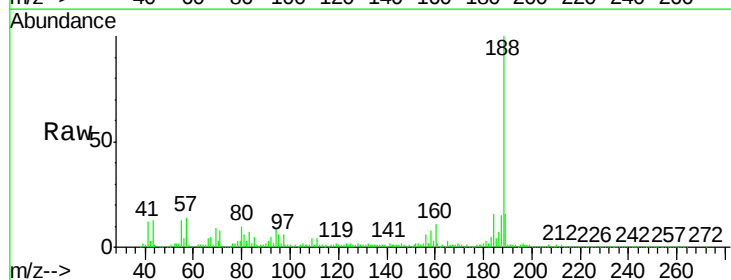
Instrument :
 BNA_F
 ClientSampleId :
 UST-SW2

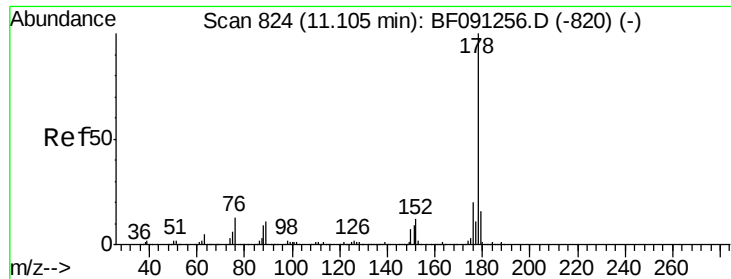
Tot Ion:166 Resp: 274549
 Ion Ratio Lower Upper
 166 100
 165 109.1 80.0 120.0
 167 26.8 10.8 16.2#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF091262.D
 Acq: 22 Nov 2016 00:31

Tgt Ion:188 Resp: 716921
 Ion Ratio Lower Upper
 188 100
 94 8.9 9.2 13.8#
 80 9.9 10.5 15.7#

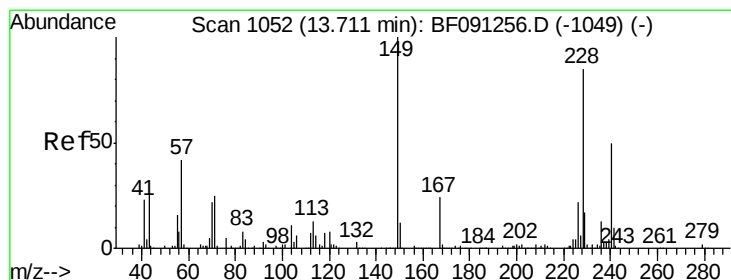
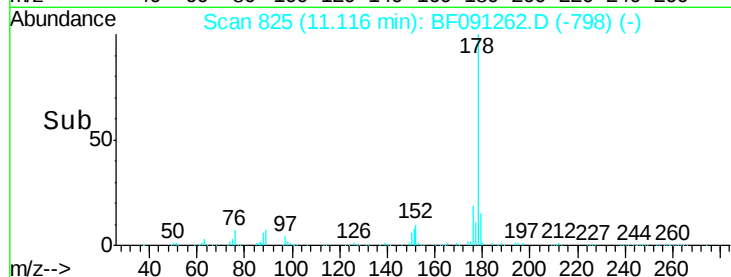
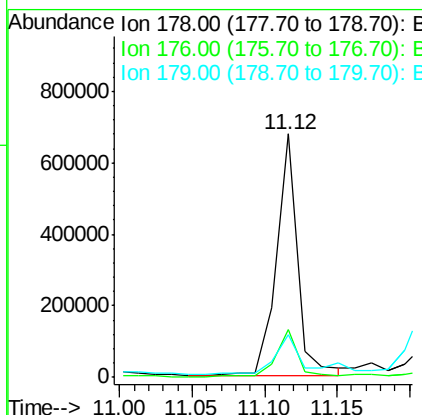
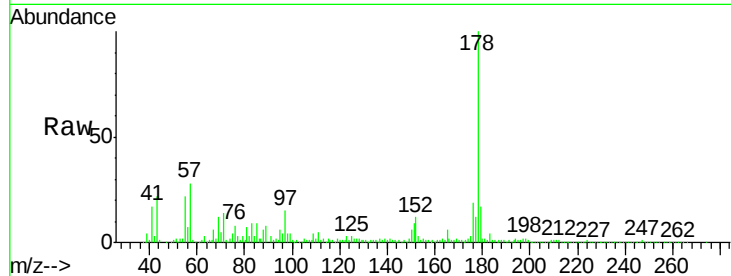




#70
Phenanthrene
Concen: 18.05 ng
RT: 11.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

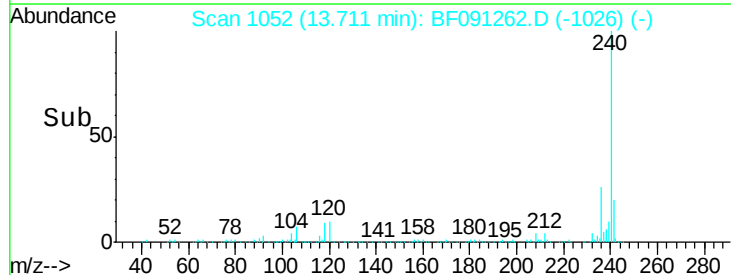
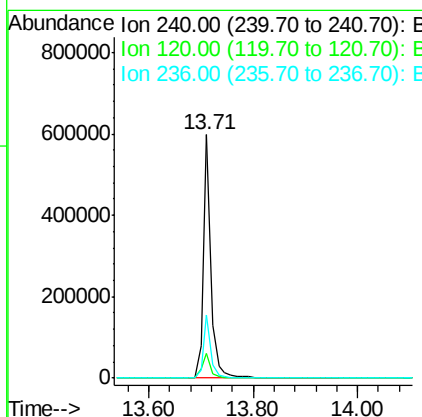
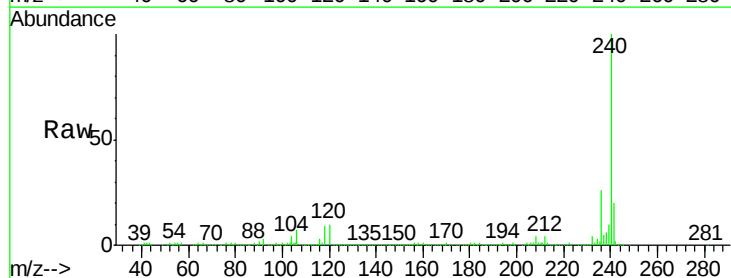
Instrument :
BNA_F
ClientSampleId :
UST-SW2

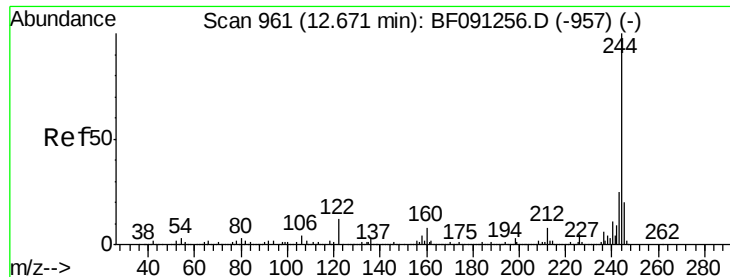
Tot Ion:178 Resp: 679978
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 17.3 12.6 18.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF091262.D
Acq: 22 Nov 2016 00:31

Tgt Ion:240 Resp: 609334
Ion Ratio Lower Upper
240 100
120 10.1 12.1 18.1#
236 26.0 21.0 31.6





#78

Terphenyl-d14

Concen: 2.14 ng

RT: 12.67 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

Instrument :

BNA_F

ClientSampleId :

UST-SW2

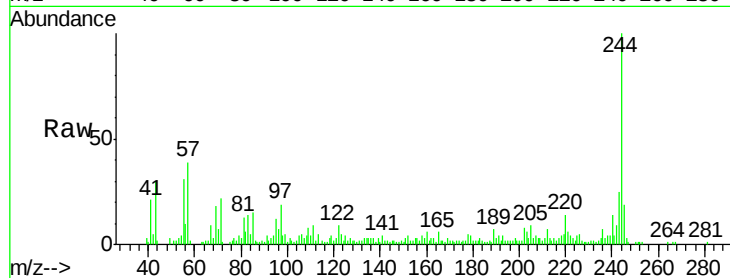
Tot Ion:244 Resp: 57476

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

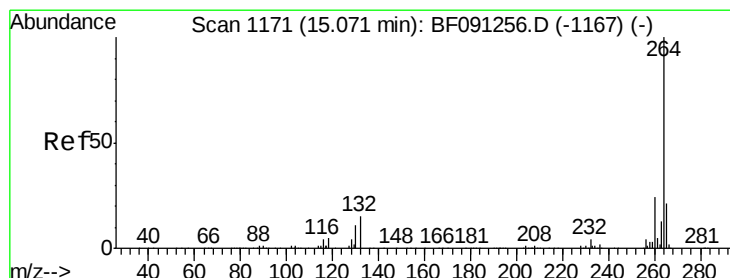
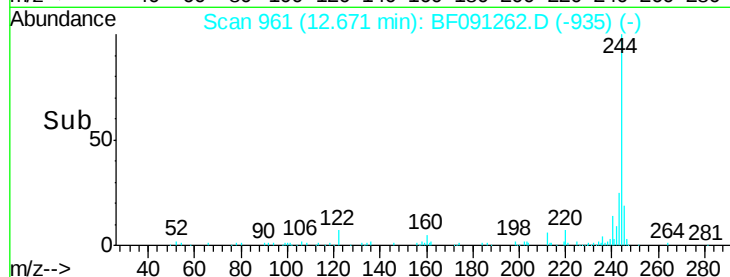
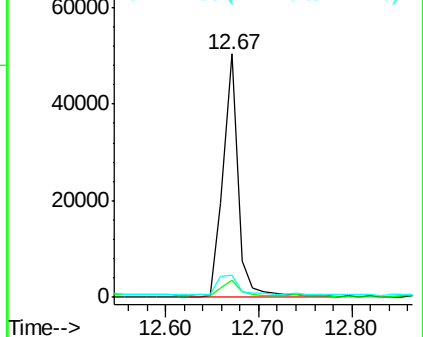
122 9.1 9.5 14.3#



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: 15.07 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BF091262.D

Acq: 22 Nov 2016 00:31

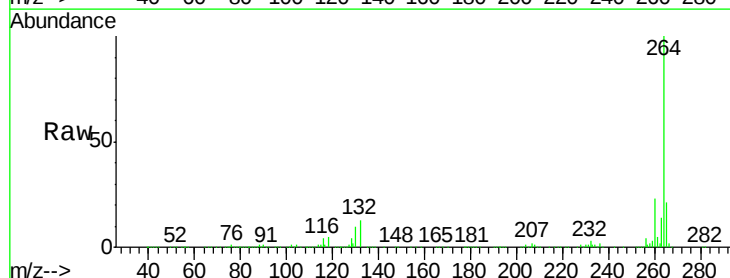
Tgt Ion:264 Resp: 476560

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 21.4 17.0 25.6



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

