

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110916\
 Data File : BF091127.D
 Acq On : 9 Nov 2016 16:40
 Operator : UM/SJ
 Sample : H5602-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST

Quant Time: Nov 09 22:55:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

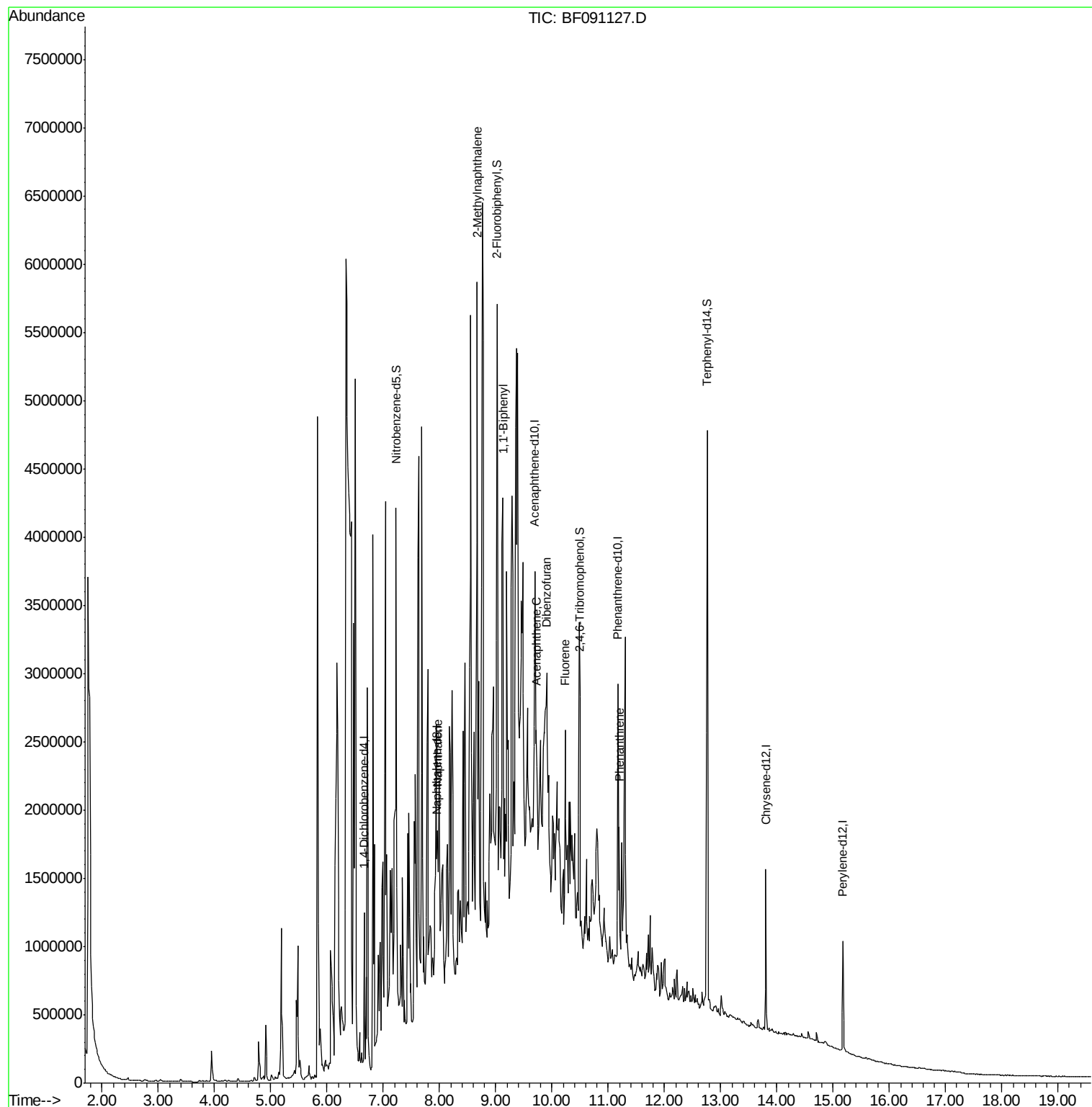
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	169721	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	719338	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	617156	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	622098	20.00	ng	0.00
75) Chrysene-d12	13.80	240	405128	20.00	ng	-0.01
86) Perylene-d12	15.17	264	329772	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	874	0.09	ng	0.07
7) Phenol-d6	6.34	99	21702	1.56	ng	0.02
23) Nitrobenzene-d5	7.23	82	1043311	79.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	493743	88.49	ng	0.01
44) 2-Fluorobiphenyl	9.02	172	1666032	46.48	ng	-0.01
78) Terphenyl-d14	12.76	244	1519201	93.58	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.96	128	455670	13.25	ng	# 94
37) 2-Methylnaphthalene	8.67	142	2017127	91.21	ng	98
45) 1,1'-Biphenyl	9.13	154	258305	5.73	ng	99
51) Acenaphthene	9.72	154	101840	3.04	ng	95
54) Dibenzofuran	9.90	168	163475	3.63	ng	# 86
57) Fluorene	10.24	166	195236	5.30	ng	# 95
70) Phenanthrene	11.20	178	271940	8.22	ng	98

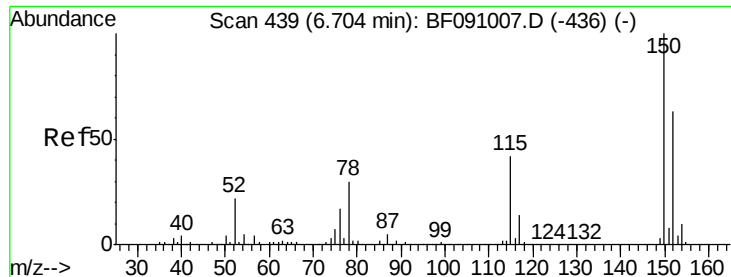
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 435

Delta R.T. -0.00 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

Instrument :

BNA_F

ClientSampleId :

UST

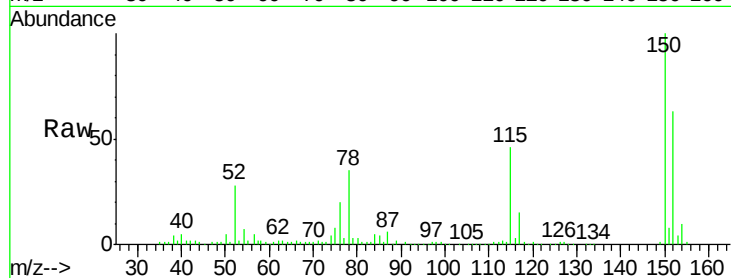
Tot Ion:152 Resp: 169721

Ion Ratio Lower Upper

152 100

150 159.2 126.8 190.2

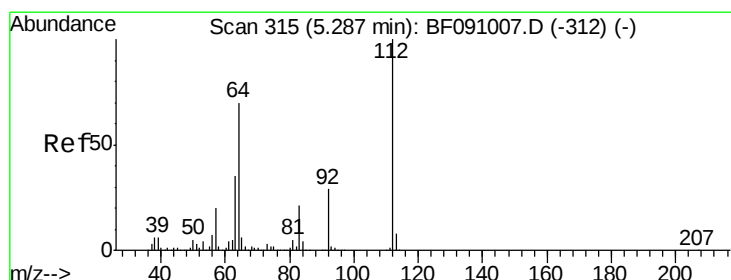
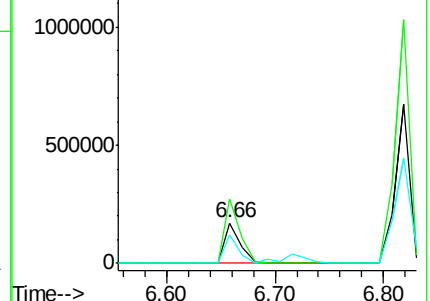
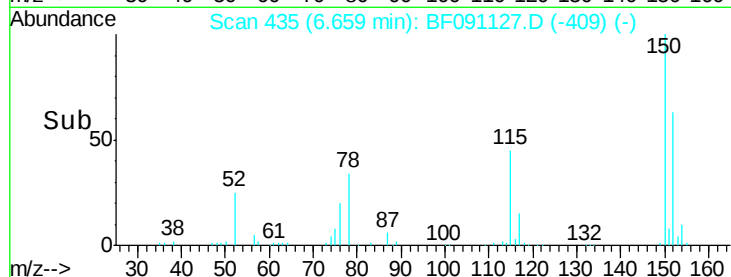
115 72.6 53.3 79.9



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: 0.09 ng

RT: 5.31 min Scan# 317

Delta R.T. 0.07 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

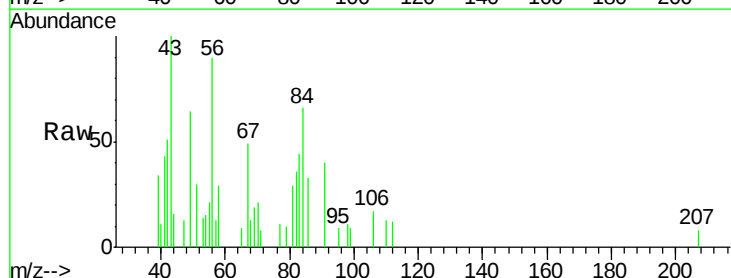
Tgt Ion:112 Resp: 874

Ion Ratio Lower Upper

112 100

64 0.0 55.8 83.6#

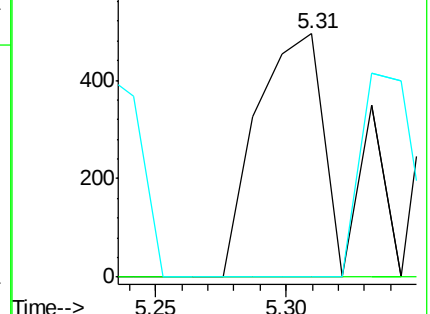
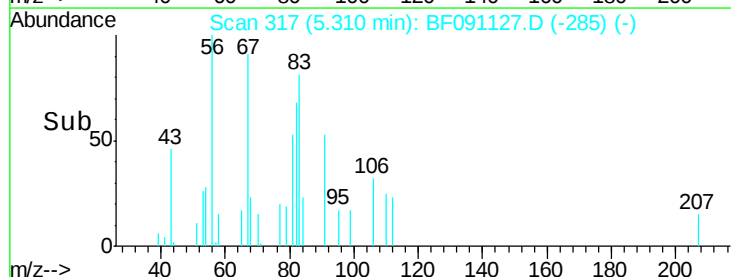
63 0.0 28.0 42.0#

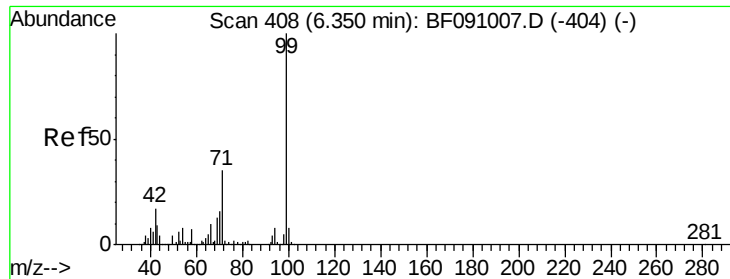


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.56 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.02 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

Instrument :

BNA_F

ClientSampleId :

UST

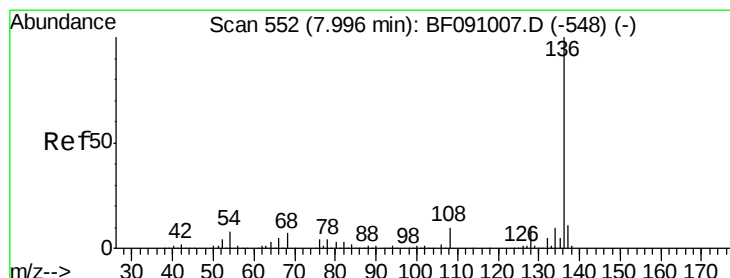
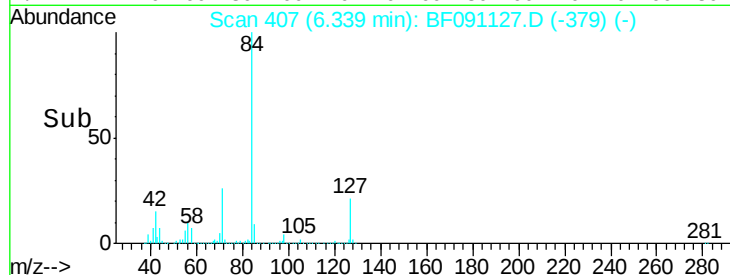
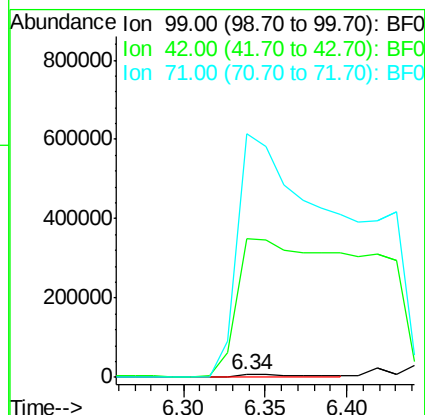
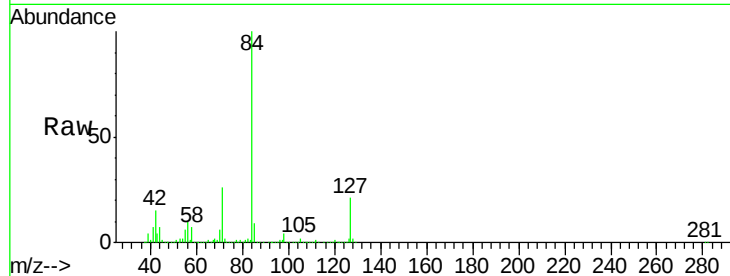
Tot Ion: 99 Resp: 21702

Ion Ratio Lower Upper

99 100

42 4924.2 13.9 20.9#

71 8682.9 27.8 41.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 548

Delta R.T. -0.00 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

Tgt Ion: 136 Resp: 719338

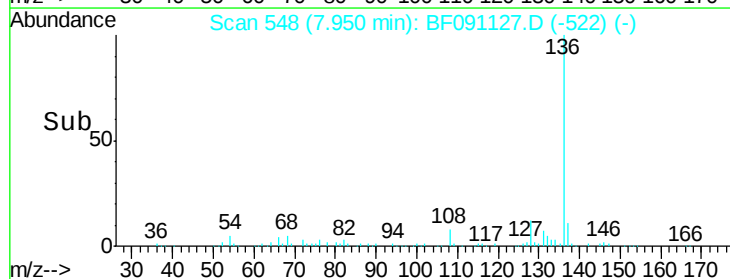
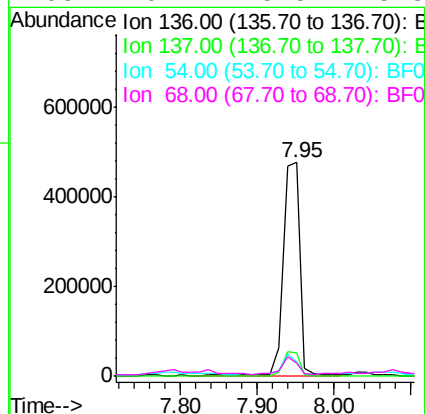
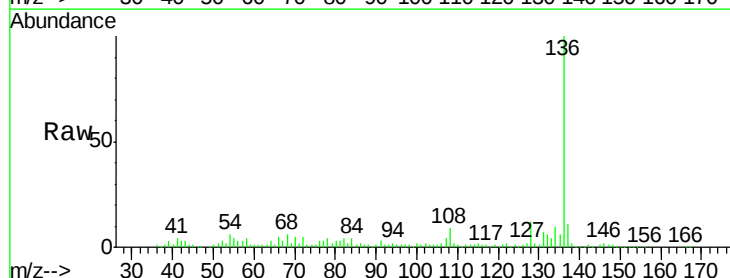
Ion Ratio Lower Upper

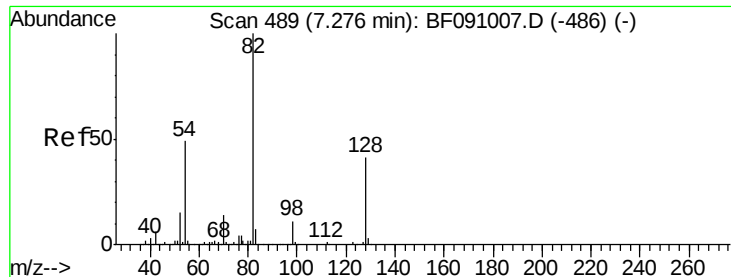
136 100

137 10.6 8.9 13.3

54 6.5 6.2 9.2

68 6.2 5.5 8.3



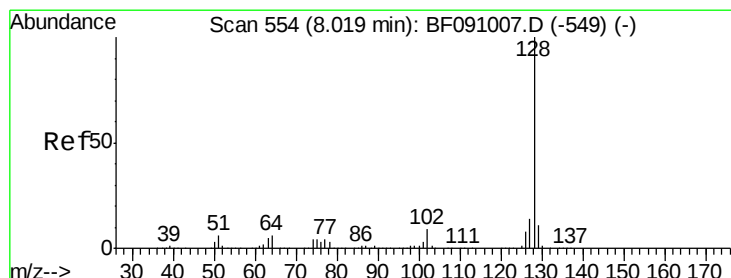
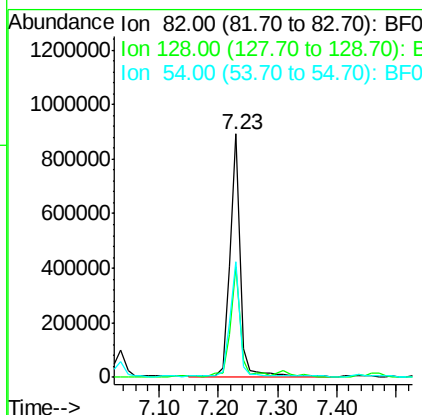
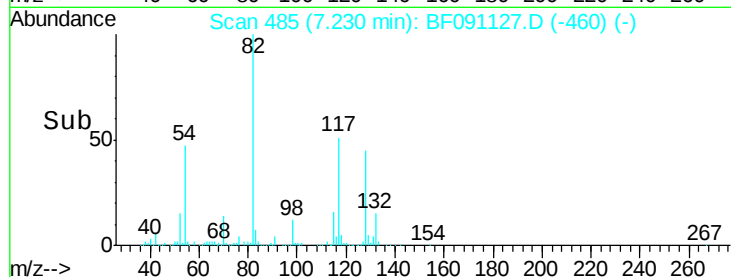
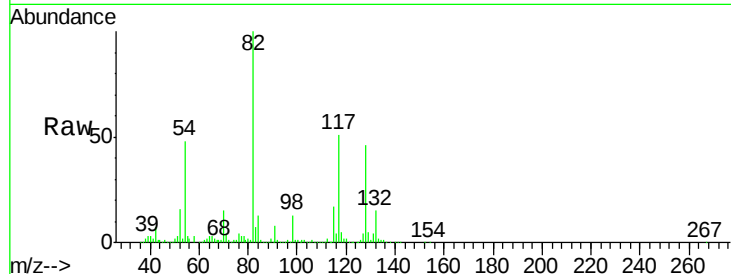


#23
 Nitrobenzene-d5
 Concen: 79.12 ng
 RT: 7.23 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: BF091127.D
 Acq: 9 Nov 2016 16:40

Instrument :
 BNA_F
 ClientSampled :
 UST

Tot Ion: 82 Resp: 1043311

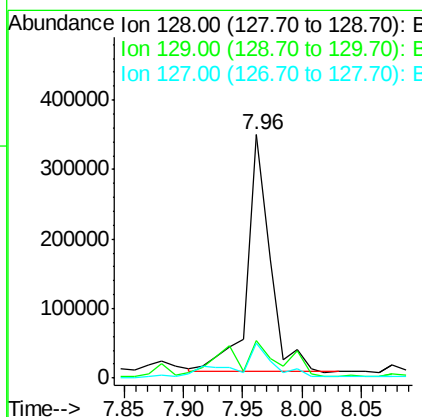
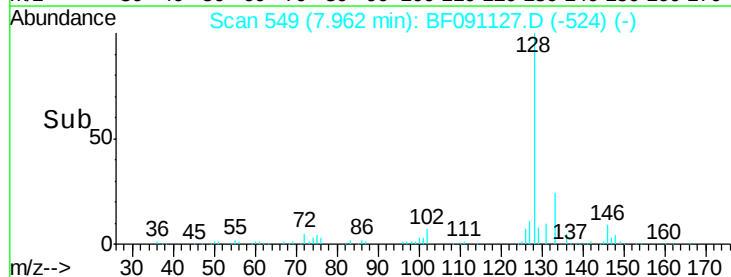
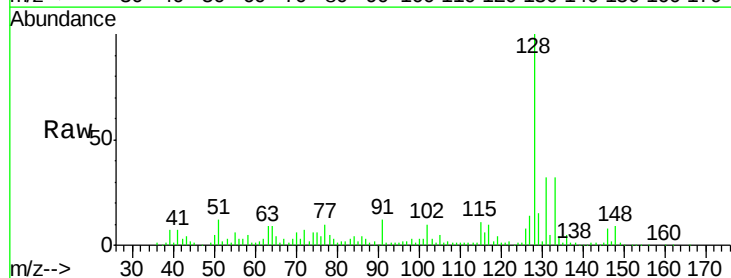
Ion	Ratio	Lower	Upper
82	100		
128	45.5	32.4	48.6
54	47.5	39.2	58.8

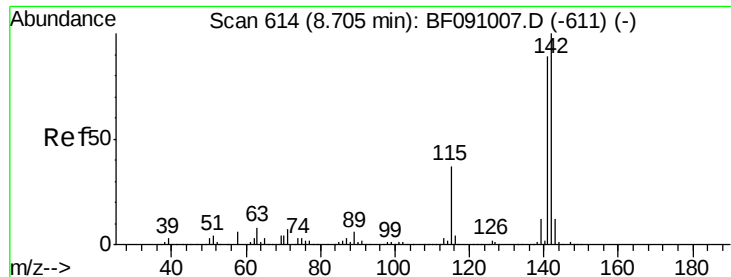


#31
 Naphthalene
 Concen: 13.25 ng
 RT: 7.96 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF091127.D
 Acq: 9 Nov 2016 16:40

Tgt Ion: 128 Resp: 455670

Ion	Ratio	Lower	Upper
128	100		
129	15.4	9.0	13.6#
127	14.1	10.9	16.3

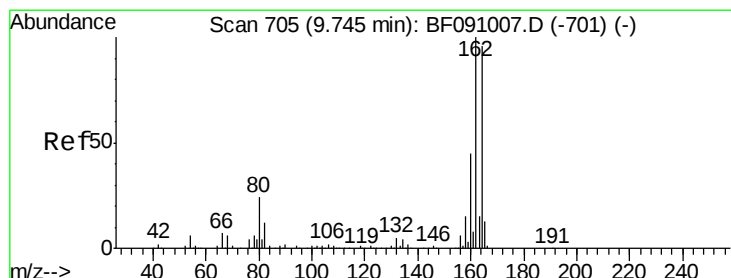
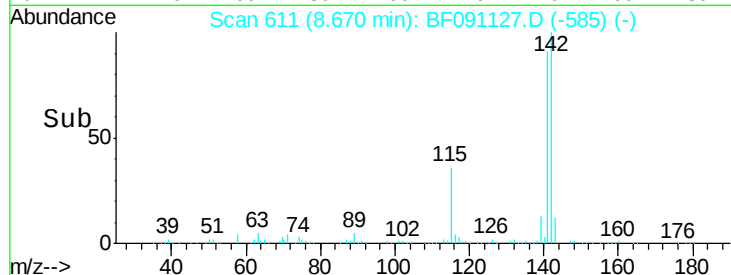
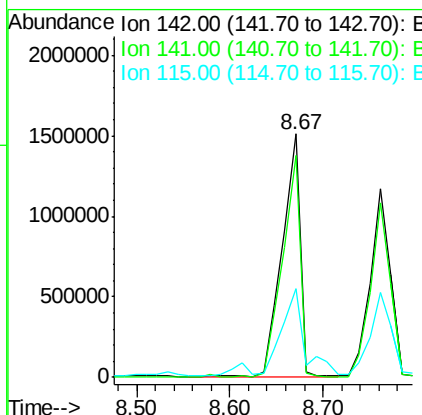
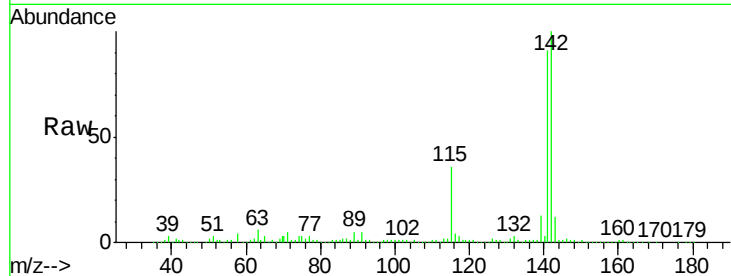




#37
2-Methylnaphthalene
Concen: 91.21 ng
RT: 8.67 min Scan# 611
Delta R.T. -0.00 min
Lab File: BF091127.D
Acq: 9 Nov 2016 16:40

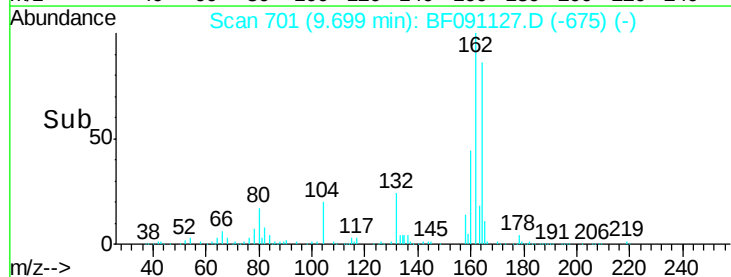
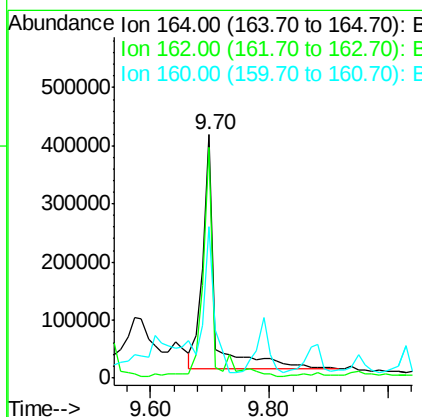
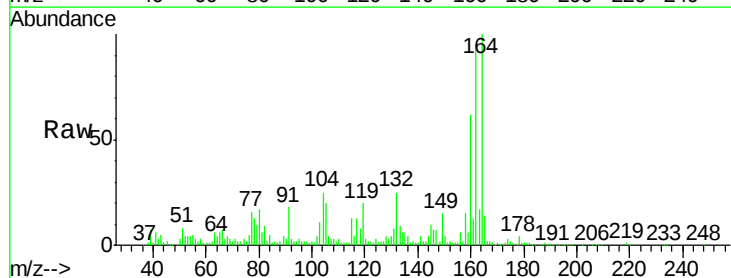
Instrument :
BNA_F
ClientSampleId :
UST

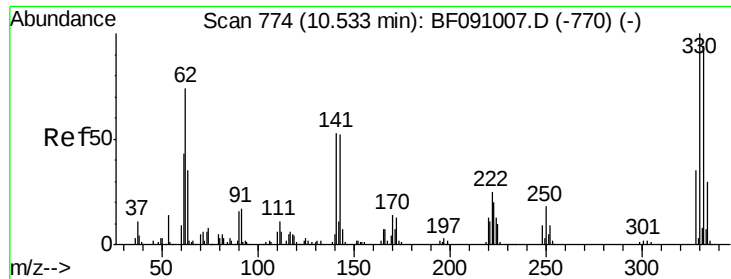
Tot Ion:142 Resp: 2017127
Ion Ratio Lower Upper
142 100
141 91.0 71.3 106.9
115 36.3 29.9 44.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF091127.D
Acq: 9 Nov 2016 16:40

Tgt Ion:164 Resp: 617156
Ion Ratio Lower Upper
164 100
162 94.6 83.6 125.4
160 62.1 37.9 56.9#

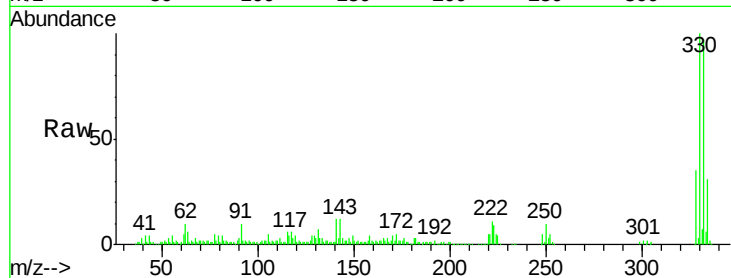




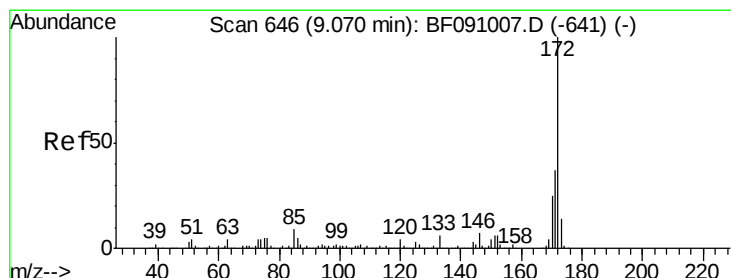
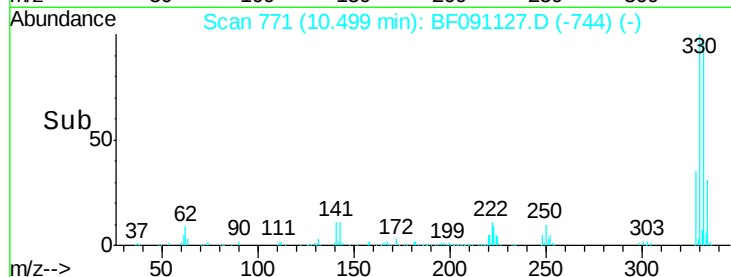
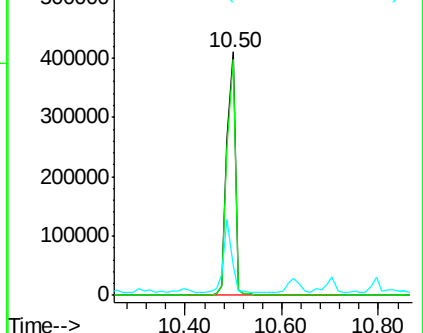
#41
 2,4,6-Tribromophenol
 Concen: 88.49 ng
 RT: 10.50 min Scan# 771
 Delta R.T. 0.01 min
 Lab File: BF091127.D
 Acq: 9 Nov 2016 16:40

Instrument :
 BNA_F
 ClientSampled :
 UST

Tot Ion:330 Resp: 493743
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.9 113.9
 141 30.3 36.1 54.1#

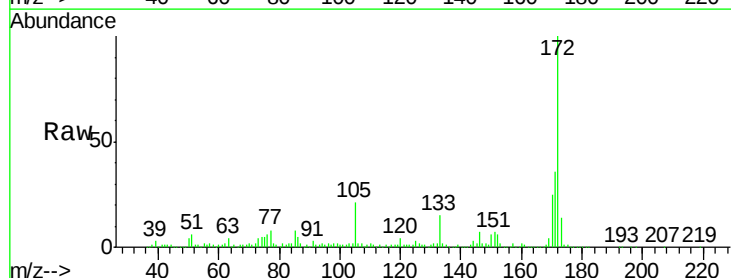


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

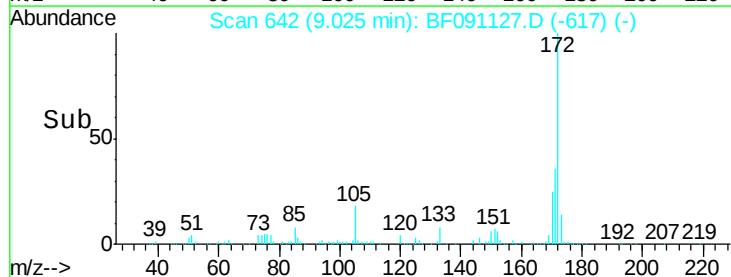
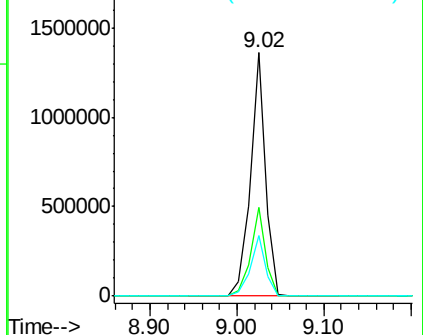


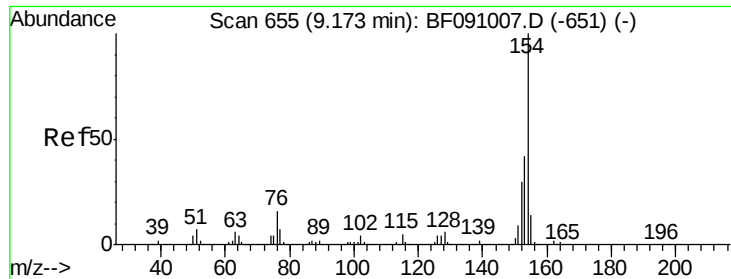
#44
 2-Fluorobiphenyl
 Concen: 46.48 ng
 RT: 9.02 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF091127.D
 Acq: 9 Nov 2016 16:40

Tgt Ion:172 Resp: 1666032
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.8 44.6
 170 25.0 20.3 30.5



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

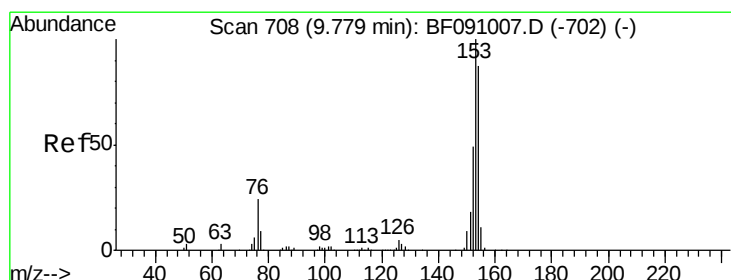
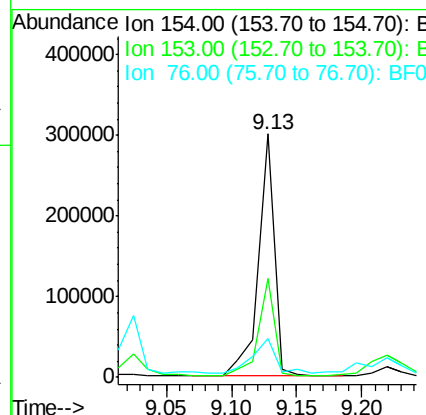
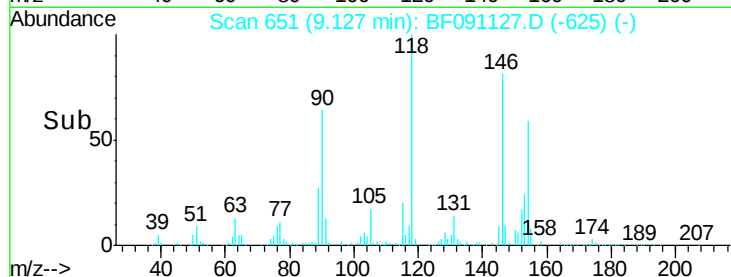
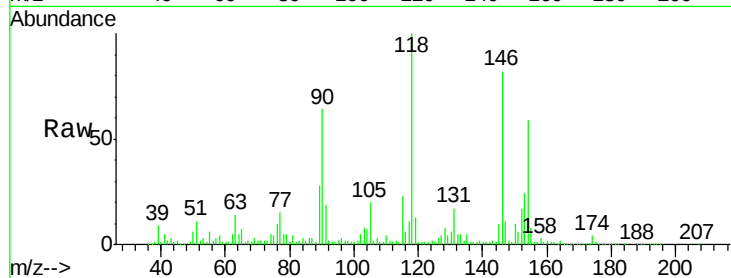




#45
1,1'-Biphenyl
Concen: 5.73 ng
RT: 9.13 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF091127.D
Acq: 9 Nov 2016 16:40

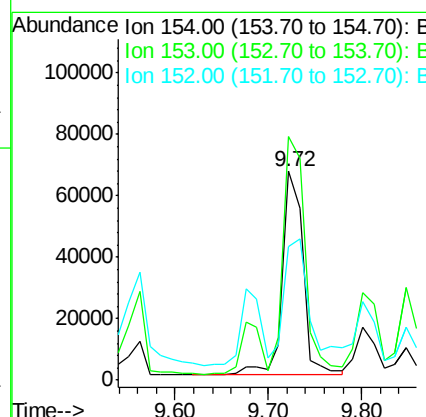
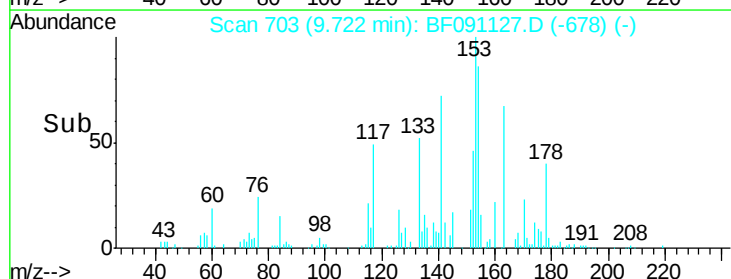
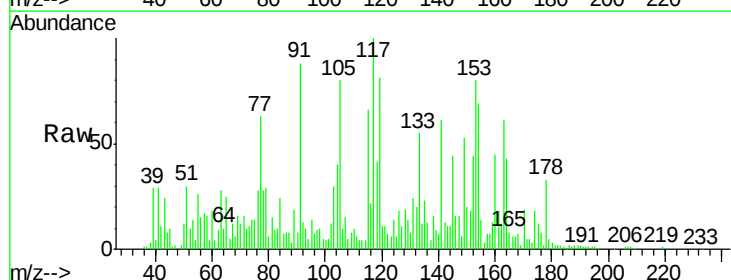
Instrument :
BNA_F
ClientSampleId :
UST

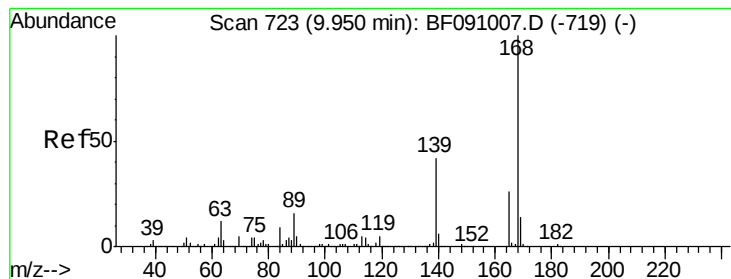
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.6	61.6
76	16.2	0.0	36.2



#51
Acenaphthene
Concen: 3.04 ng
RT: 9.72 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF091127.D
Acq: 9 Nov 2016 16:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.7	91.6	137.4
152	63.8	44.6	67.0





#54

Dibenzenofuran

Concen: 3.63 ng

RT: 9.90 min Scan# 719

Delta R.T. -0.00 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

Instrument :

BNA_F

ClientSampleId :

UST

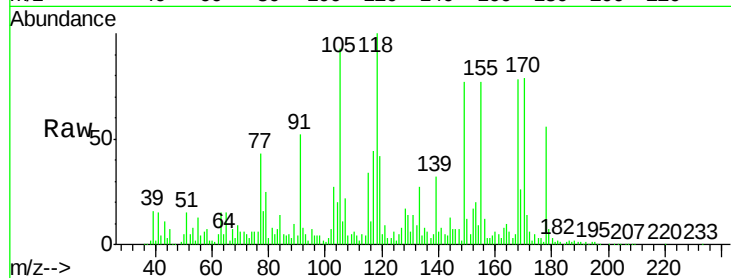
Tot Ion:168 Resp: 163475

Ion Ratio Lower Upper

168 100

139 40.8 34.8 52.2

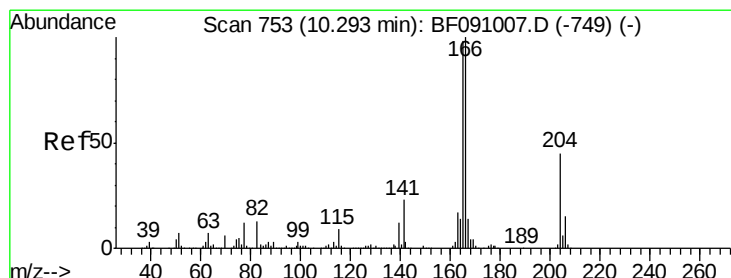
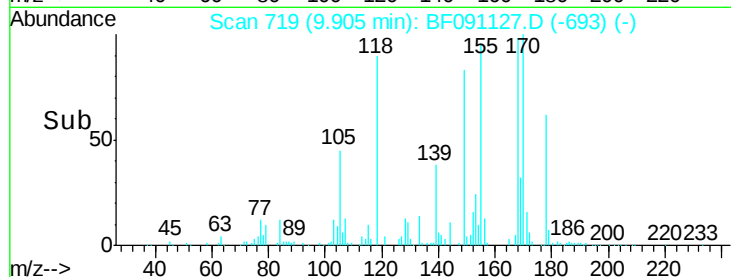
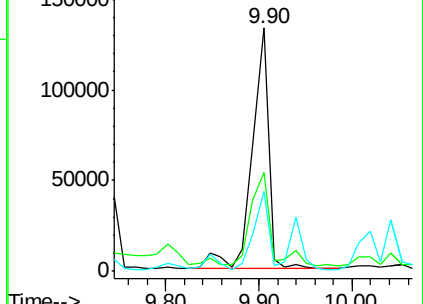
169 32.7 11.4 17.2#



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: 5.30 ng

RT: 10.24 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

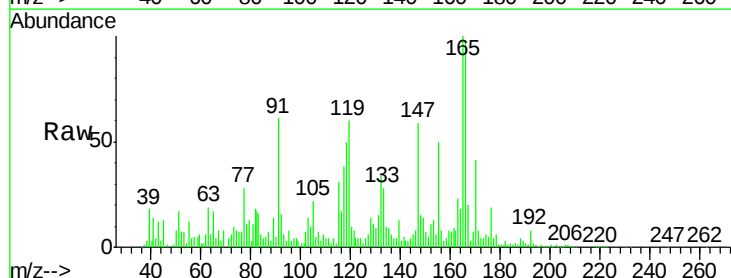
Tgt Ion:166 Resp: 195236

Ion Ratio Lower Upper

166 100

165 101.8 78.6 118.0

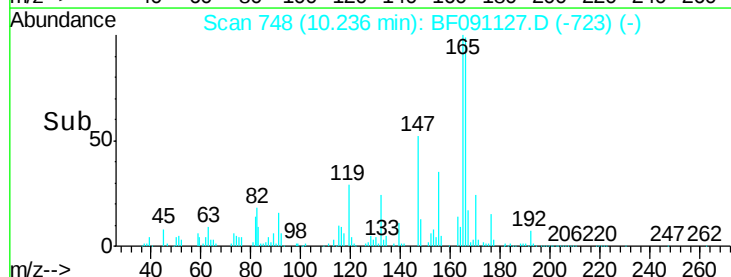
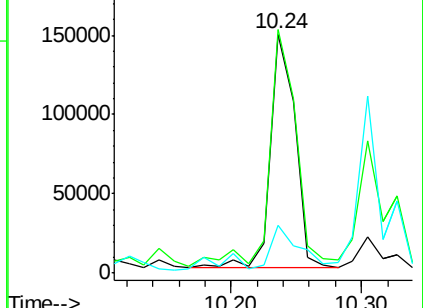
167 20.1 11.1 16.7#

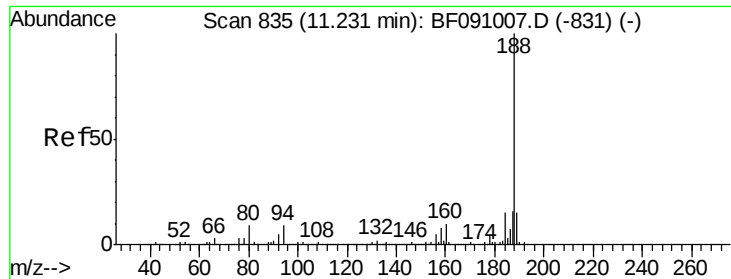


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

Instrument :

BNA_F

ClientSampleId :

UST

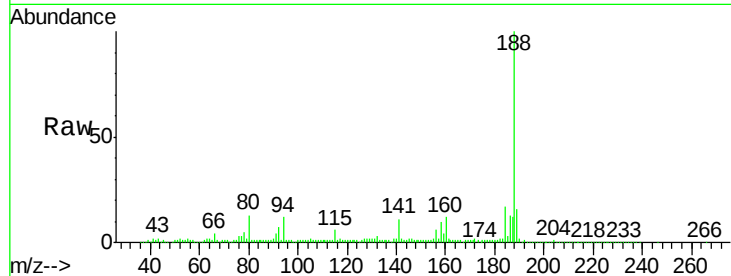
Tot Ion:188 Resp: 622098

Ion Ratio Lower Upper

188 100

94 11.9 7.0 10.4#

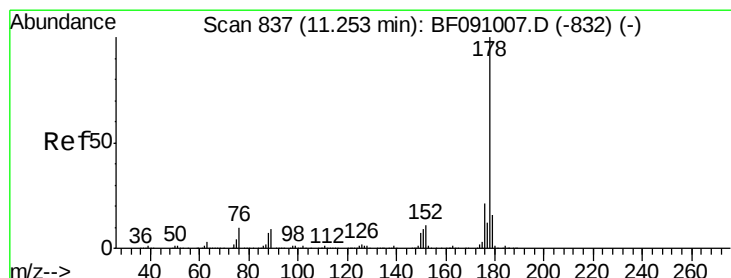
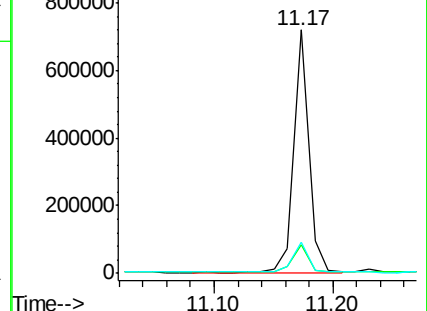
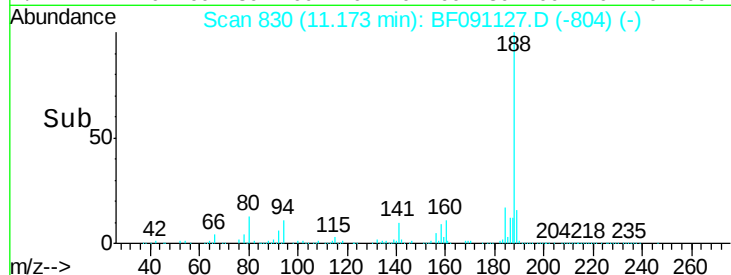
80 13.0 7.5 11.3#



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: 8.22 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

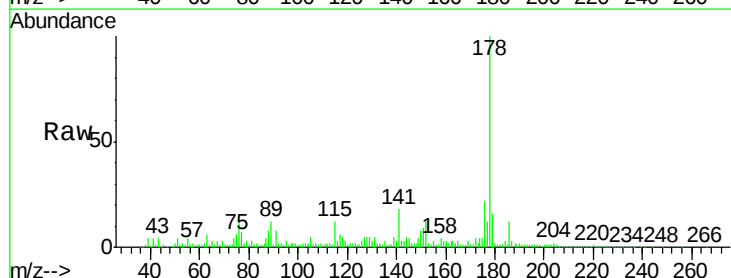
Tgt Ion:178 Resp: 271940

Ion Ratio Lower Upper

178 100

176 21.8 16.6 25.0

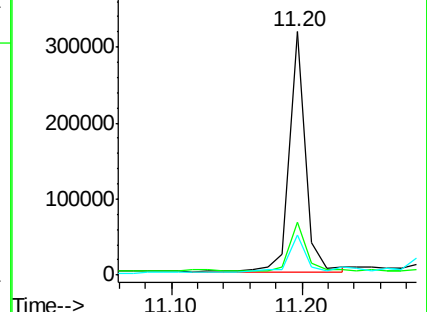
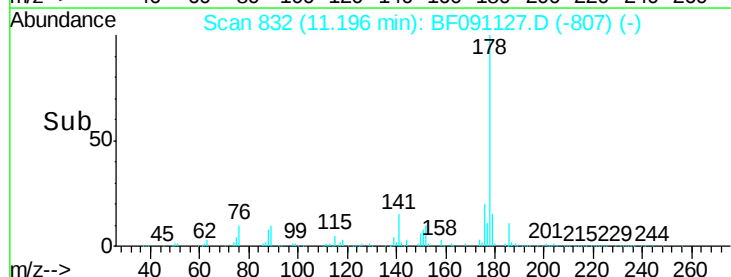
179 16.4 12.9 19.3

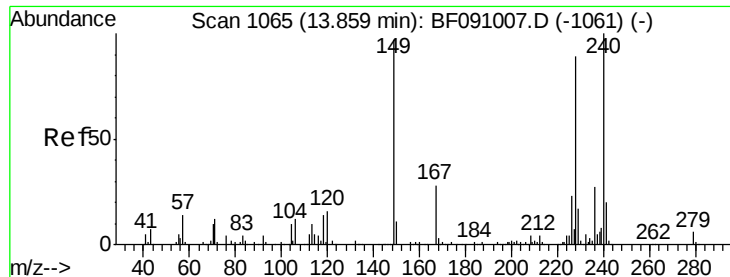


Abundance Ion 178.00 (177.70 to 178.70): E

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: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

Instrument :

BNA_F

ClientSampleId :

UST

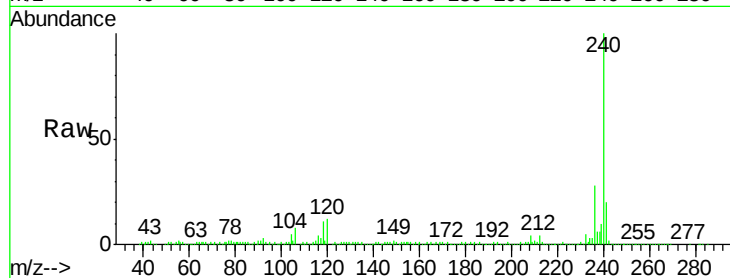
Tot Ion:240 Resp: 405128

Ion Ratio Lower Upper

240 100

120 11.9 12.9 19.3#

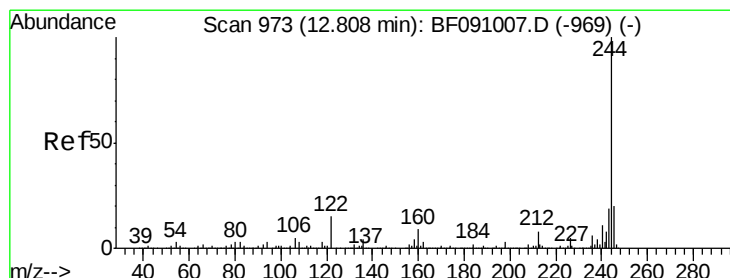
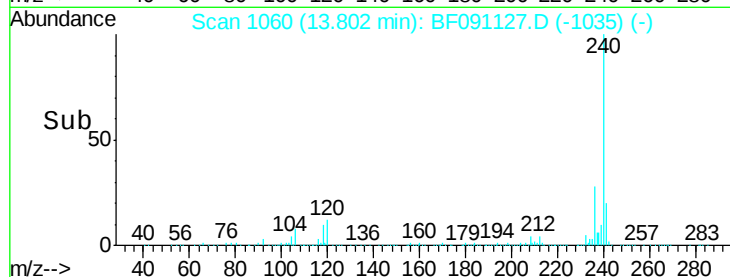
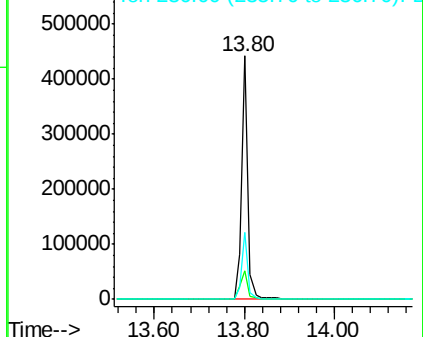
236 27.8 21.9 32.9



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: 93.58 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF091127.D

Acq: 9 Nov 2016 16:40

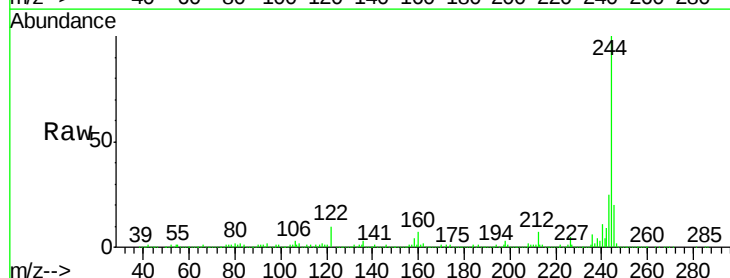
Tgt Ion:244 Resp: 1519201

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

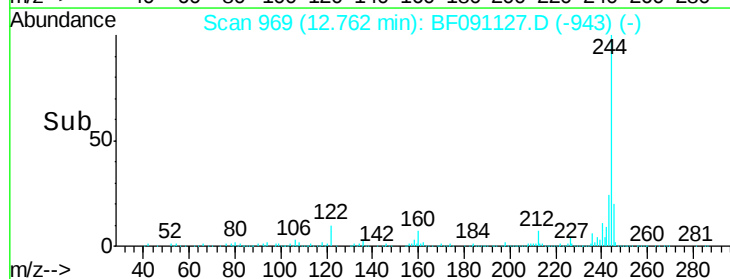
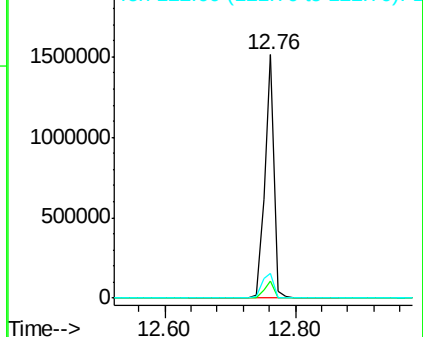
122 10.2 12.3 18.5#

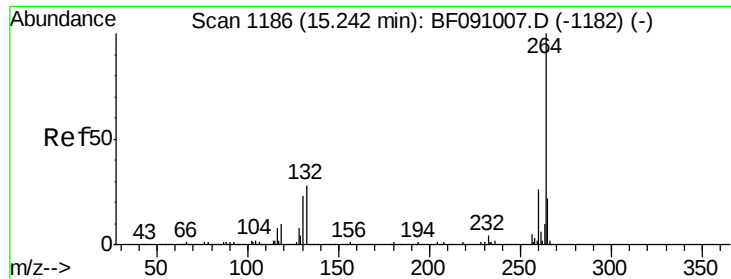


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



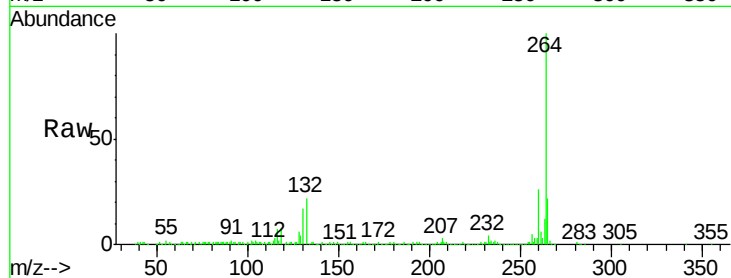


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF091127.D
Acq: 9 Nov 2016 16:40

Instrument :
BNA_F
ClientSampleId :
UST

Tot Ion:264 Resp: 329772

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.6	30.8
265	22.1	17.8	26.8



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

