

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
 Data File : BF091687.D
 Acq On : 16 Dec 2016 21:54
 Operator : UM/SJ
 Sample : H6099-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS03-0-2IN

Quant Time: Dec 19 12:57:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

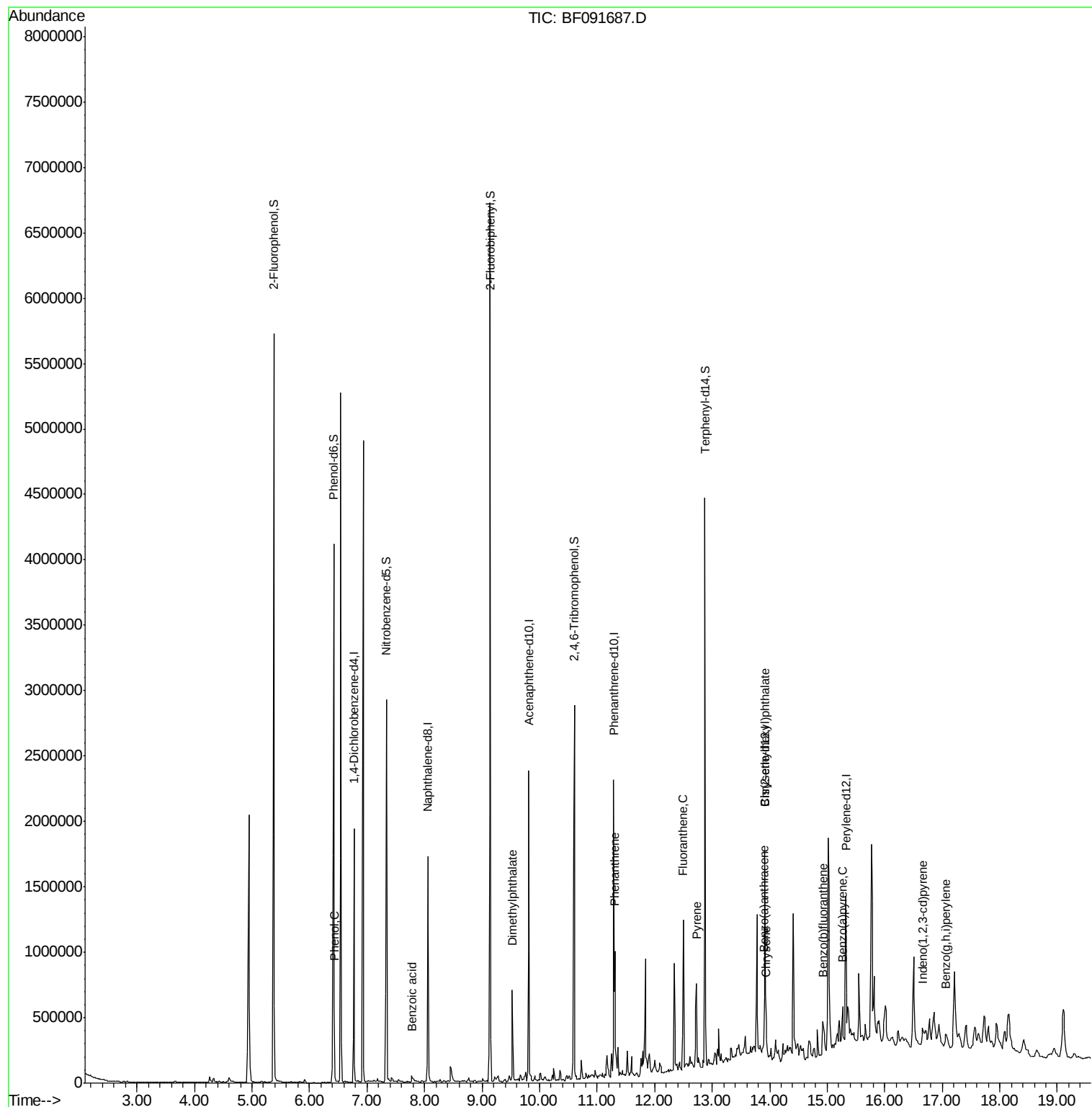
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	273473	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	1062559	20.00	ng	-0.02
38) Acenaphthene-d10	9.81	164	563663	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	789750	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	425127	20.00	ng	-0.02
86) Perylene-d12	15.32	264	507899	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1575932	97.09	ng	0.00
7) Phenol-d6	6.42	99	1398024	69.08	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1517711	79.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	419535	89.61	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	2079718	63.75	ng	-0.01
78) Terphenyl-d14	12.88	244	1321174	70.52	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.43	94	101027	4.27	ng	88
32) Benzoic acid	7.78	122	16145	6.19	ng	92
49) Dimethylphthalate	9.53	163	304006	8.52	ng	# 98
70) Phenanthrene	11.31	178	336145	8.60	ng	100
74) Fluoranthene	12.50	202	451020	11.01	ng	98
77) Pyrene	12.73	202	331416	9.83	ng	98
80) Benzo(a)anthracene	13.91	228	142211	5.76	ng	98
82) Chrysene	13.94	228	100679m	3.90	ng	
83) Bis(2-ethylhexyl)phthalate	13.92	149	33846	2.01	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.66	276	80412	3.46	ng	96
87) Benzo(b)fluoranthene	14.92	252	158555m	5.24	ng	
89) Benzo(a)pyrene	15.27	252	131746m	4.83	ng	
91) Benzo(a,h,i)perylene	17.06	276	77117	3.10	ng	# 96

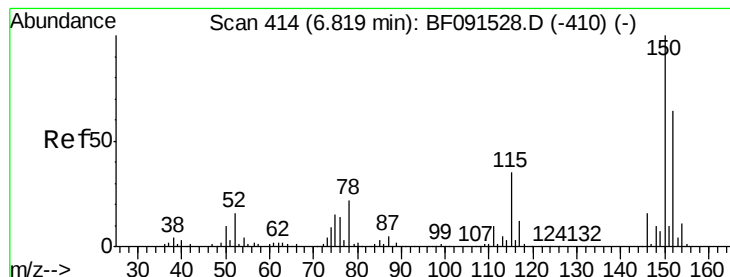
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

Instrument :

BNA_F

ClientSampleId :

SS03-0-2IN

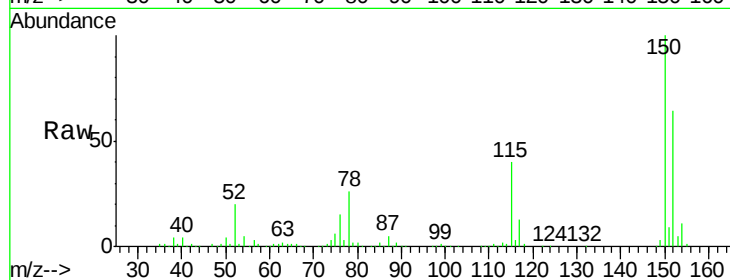
Tot Ion:152 Resp: 273473

Ion Ratio Lower Upper

152 100

150 155.7 122.5 183.7

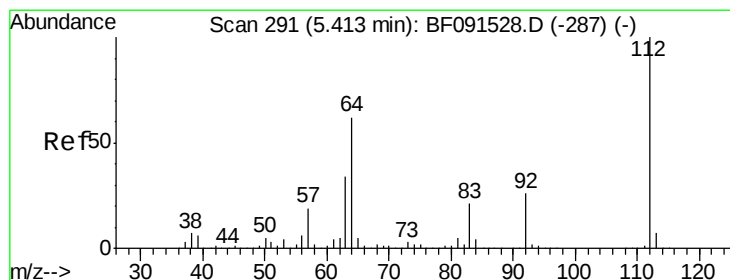
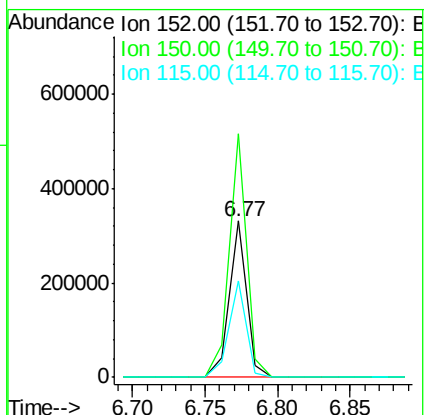
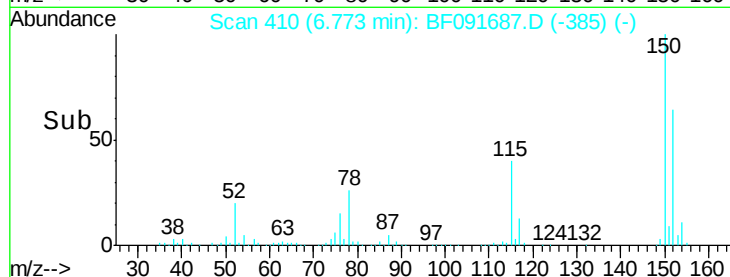
115 61.7 51.8 77.8



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: 97.09 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

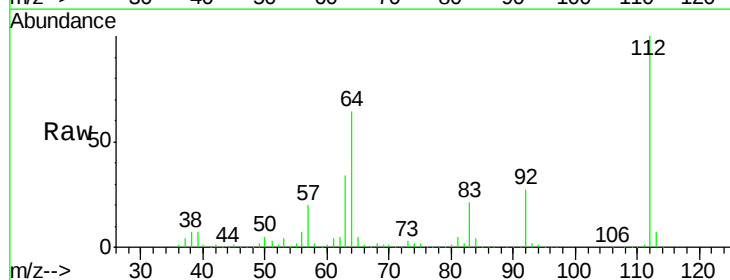
Tgt Ion:112 Resp: 1575932

Ion Ratio Lower Upper

112 100

64 64.0 61.5 92.3

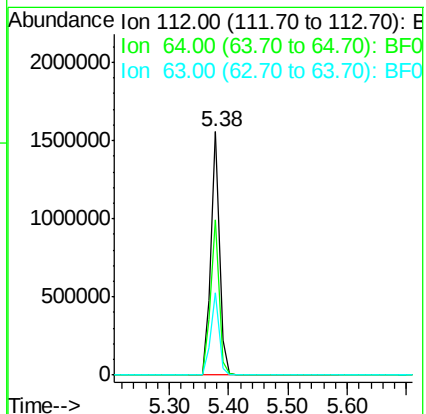
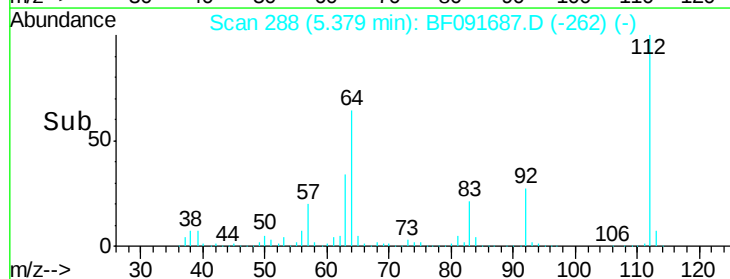
63 33.7 33.3 49.9

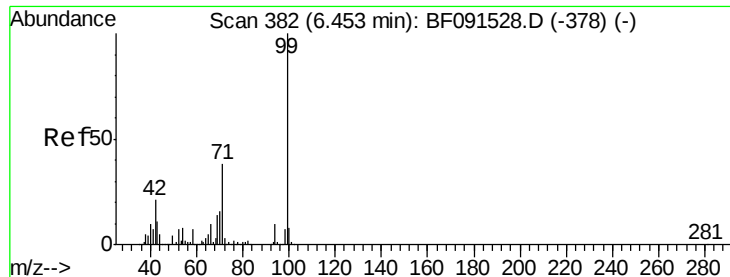


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 69.08 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

Instrument :

BNA_F

ClientSampleId :

SS03-0-2IN

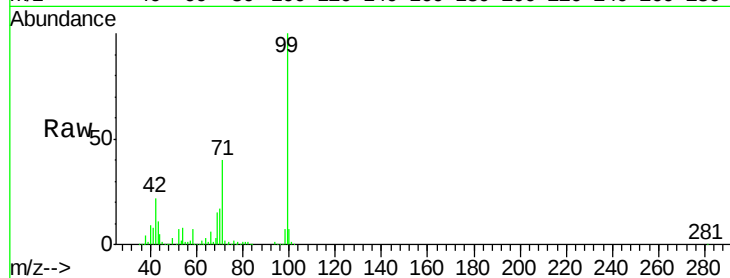
Tot Ion: 99 Resp: 1398024

Ion Ratio Lower Upper

99 100

42 22.0 20.6 31.0

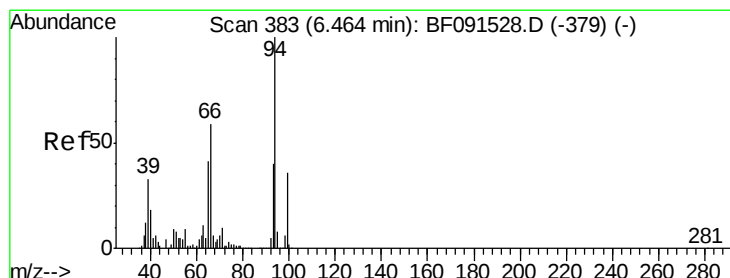
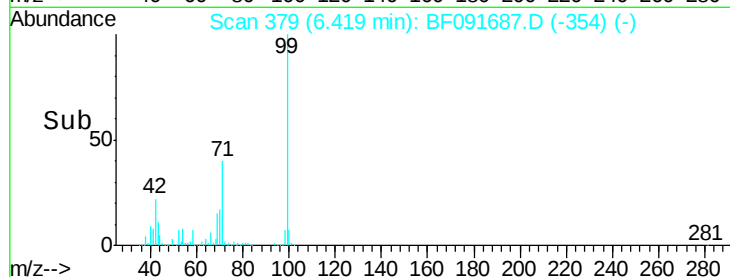
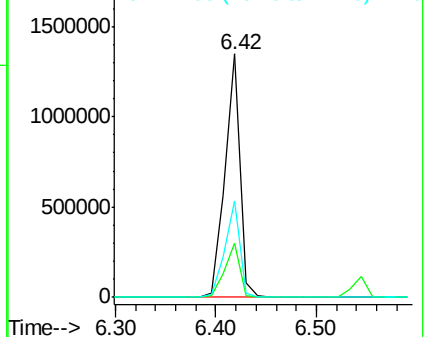
71 39.7 29.9 44.9



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



#10

Phenol

Concen: 4.27 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

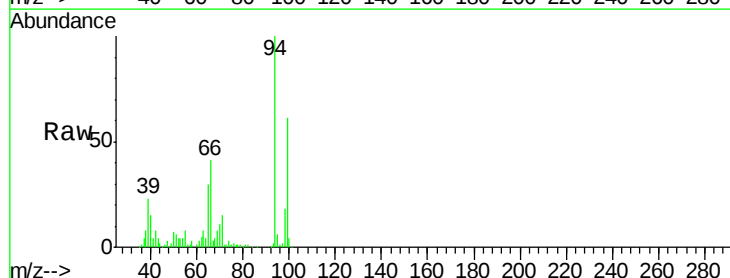
Tgt Ion: 94 Resp: 101027

Ion Ratio Lower Upper

94 100

65 30.2 16.9 56.9

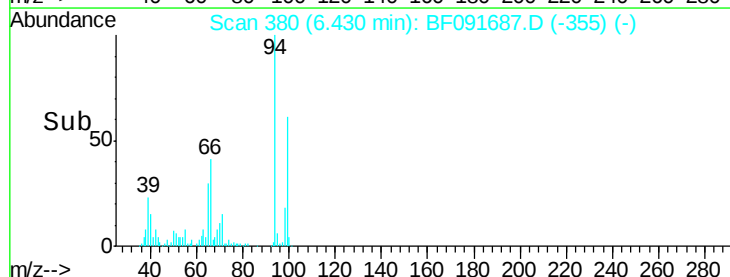
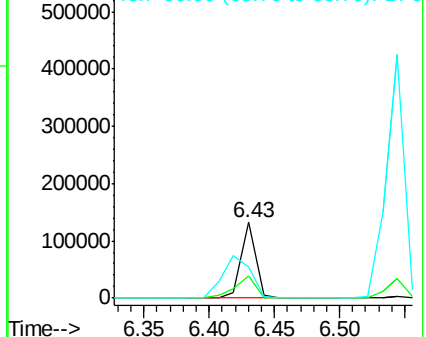
66 41.3 30.6 70.6

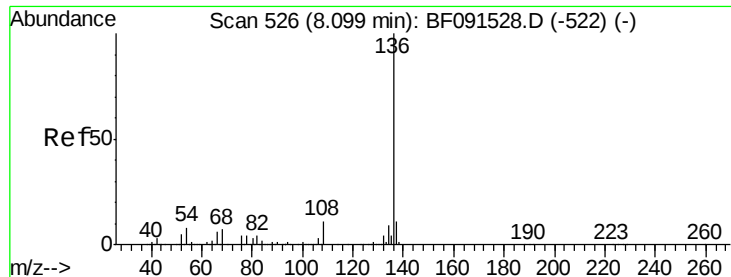


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

Instrument :

BNA_F

ClientSampleId :

SS03-0-2IN

Tot Ion:136 Resp: 1062559

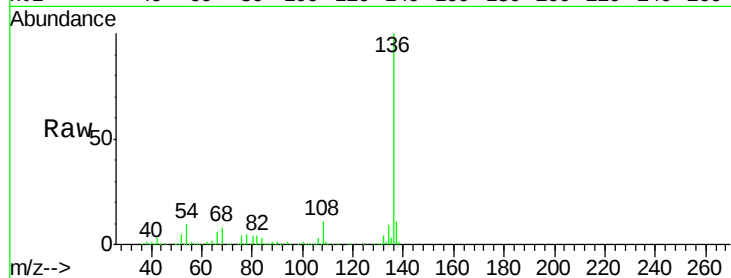
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.9 9.1 13.7

68 7.6 5.9 8.9

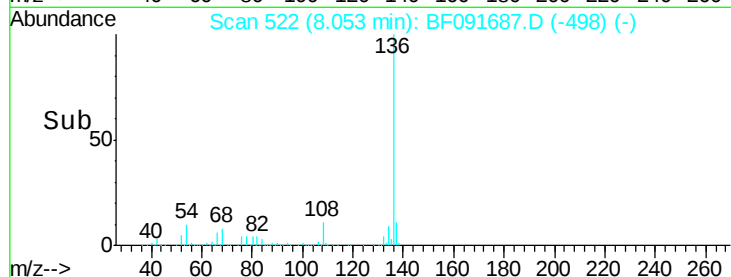


Abundance Ion 136.00 (135.70 to 136.70): E

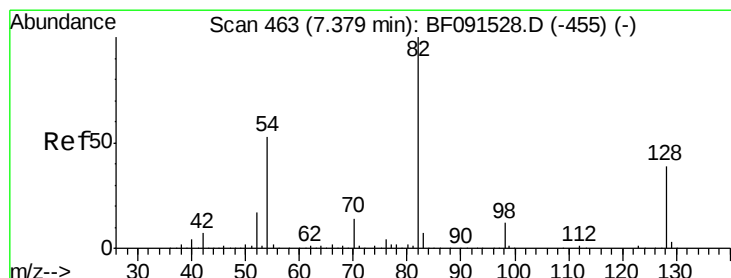
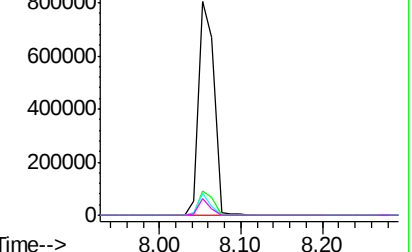
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 79.72 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

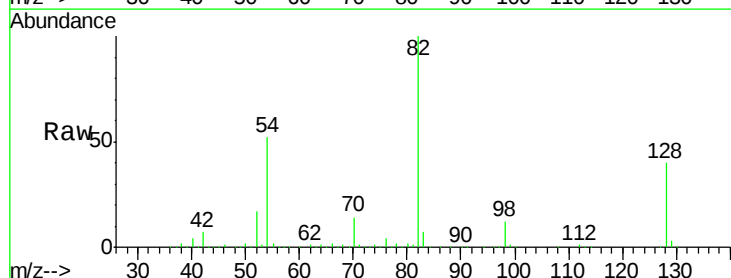
Tgt Ion: 82 Resp: 1517711

Ion Ratio Lower Upper

82 100

128 39.6 31.8 47.6

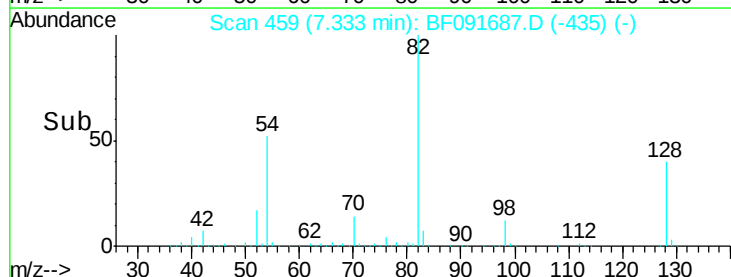
54 51.7 49.1 73.7



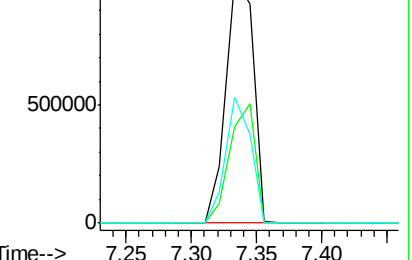
Abundance Ion 82.00 (81.70 to 82.70): BF0

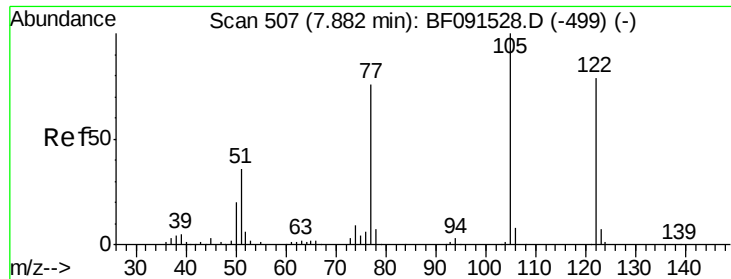
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

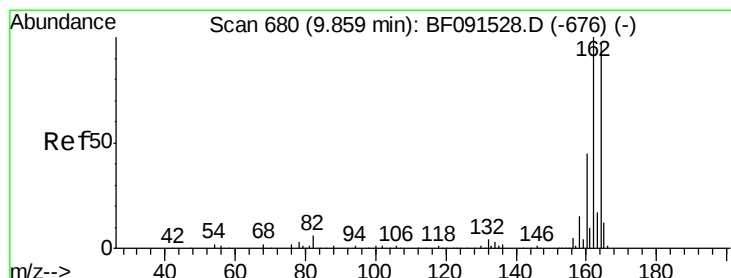
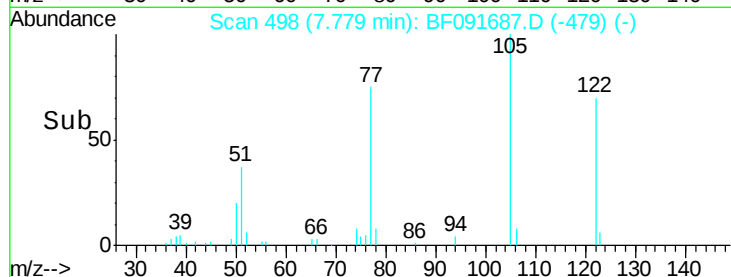
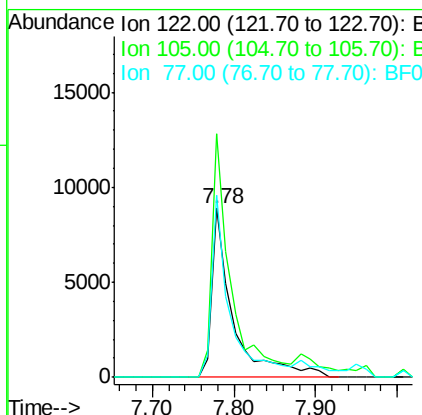
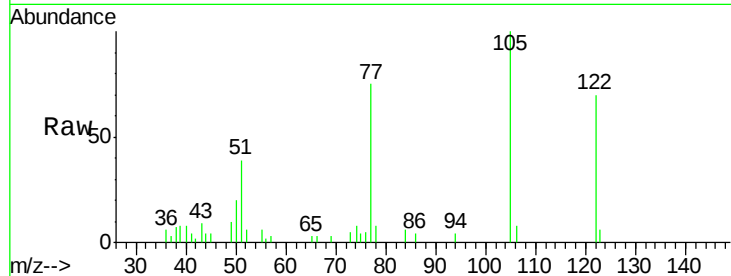




#32
Benzoic acid
Concen: 6.19 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.08 min
Lab File: BF091687.D
Acq: 16 Dec 2016 21:54

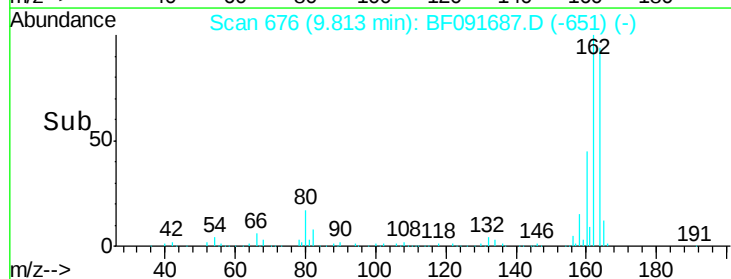
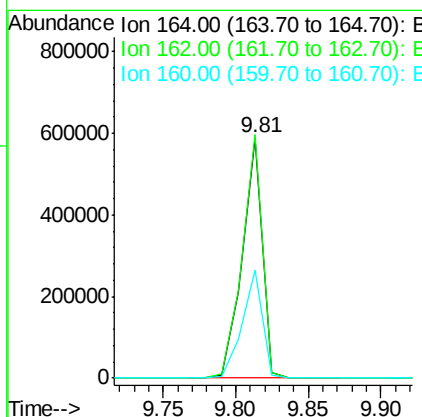
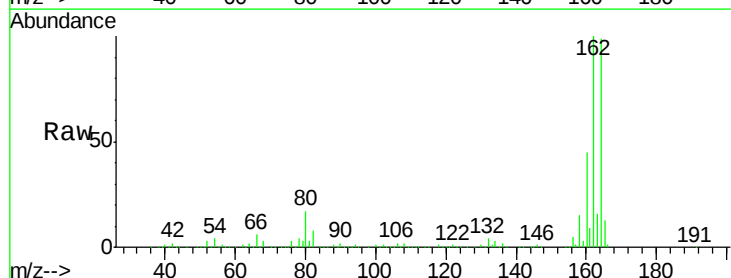
Instrument :
BNA_F
ClientSampleId :
SS03-0-2IN

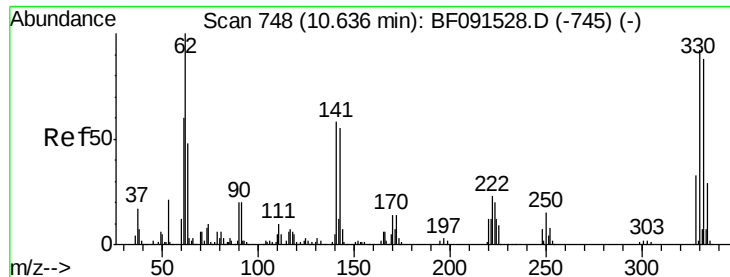
Tot Ion:122 Resp: 16145
Ion Ratio Lower Upper
122 100
105 143.8 113.0 153.0
77 107.8 82.0 122.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF091687.D
Acq: 16 Dec 2016 21:54

Tgt Ion:164 Resp: 563663
Ion Ratio Lower Upper
164 100
162 101.3 82.6 124.0
160 45.2 36.7 55.1

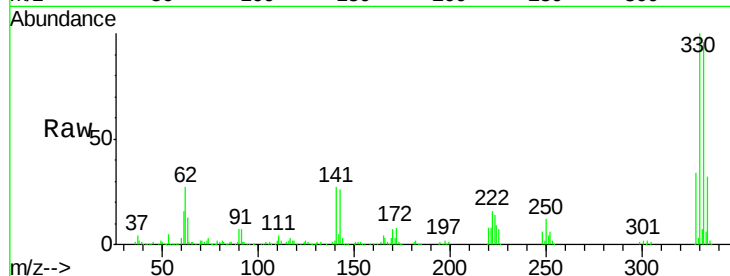




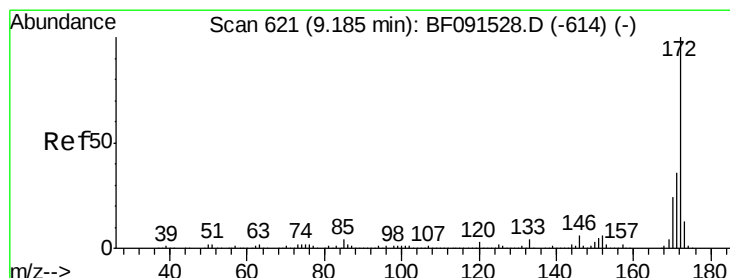
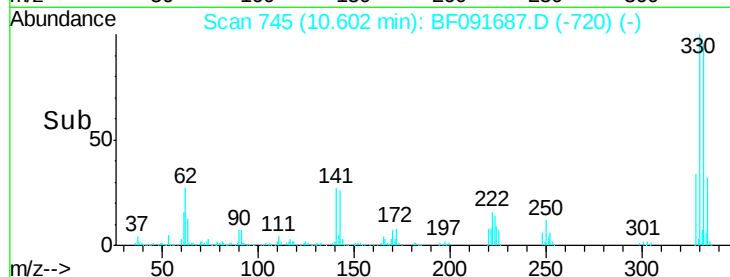
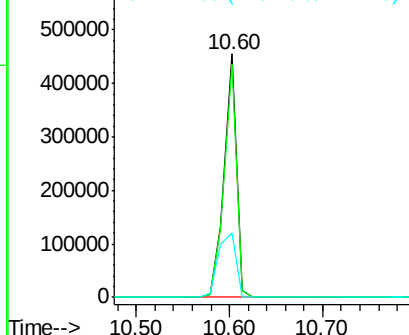
#41
 2,4,6-Tribromophenol
 Concen: 89.61 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091687.D
 Acq: 16 Dec 2016 21:54

Instrument :
 BNA_F
 ClientSampleId :
 SS03-0-2IN

Tot Ion:330 Resp: 419535
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.4
 141 37.8 33.6 50.4

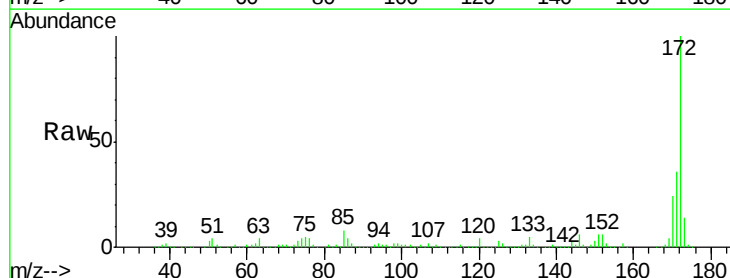


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

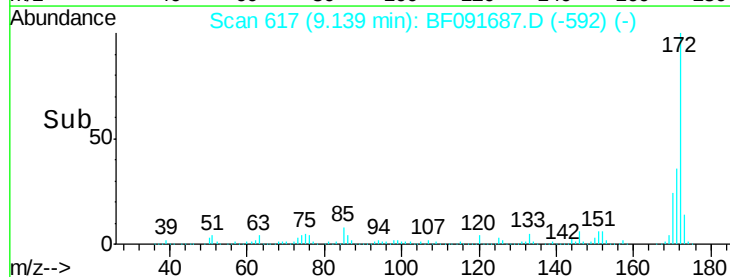
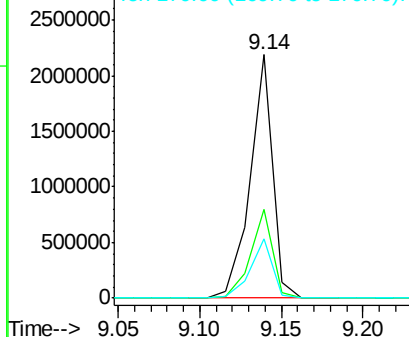


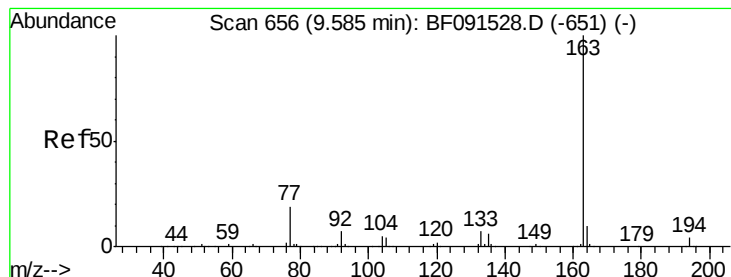
#44
 2-Fluorobiphenyl
 Concen: 63.75 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091687.D
 Acq: 16 Dec 2016 21:54

Tgt Ion:172 Resp: 2079718
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.5 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





#49

Dimethylphthalate

Concen: 8.52 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.03 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

Instrument :

BNA_F

ClientSampleId :

SS03-0-2IN

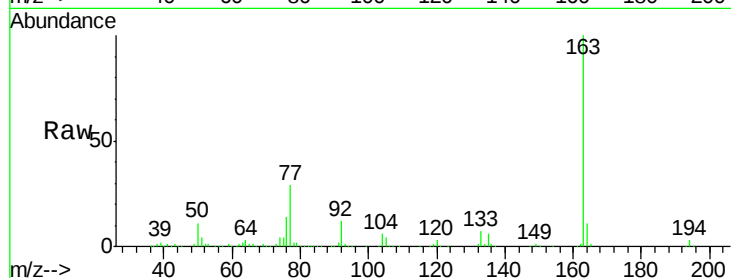
Tot Ion:163 Resp: 304006

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4#

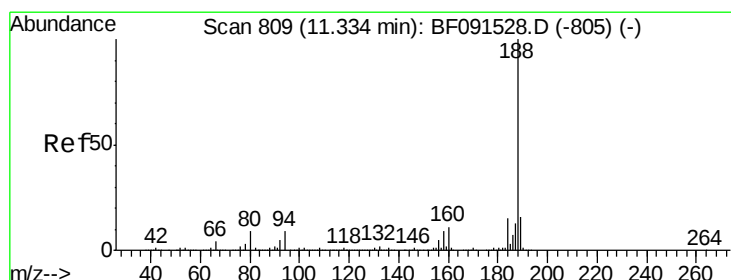
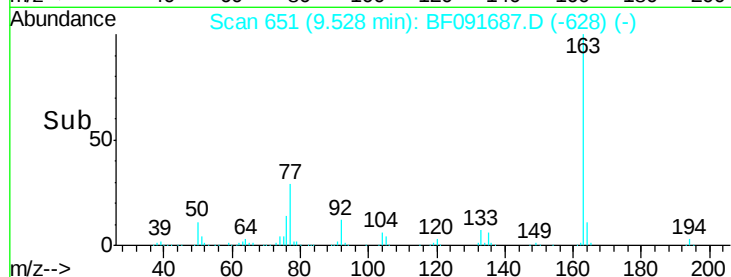
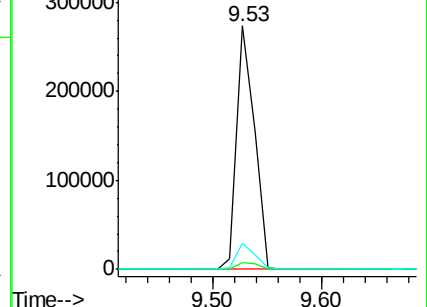
164 10.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

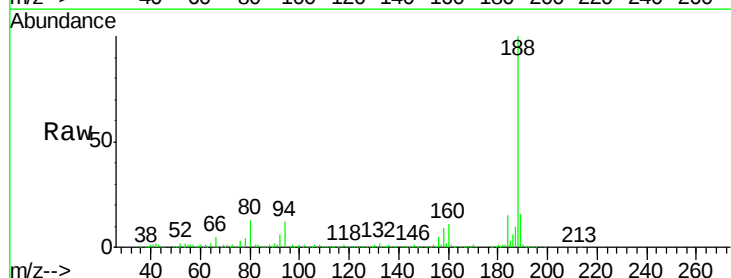
Tgt Ion:188 Resp: 789750

Ion Ratio Lower Upper

188 100

94 11.6 9.2 13.8

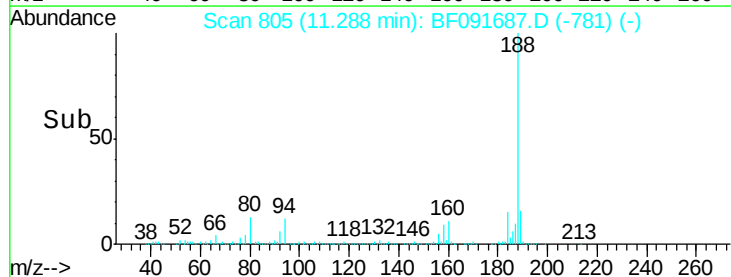
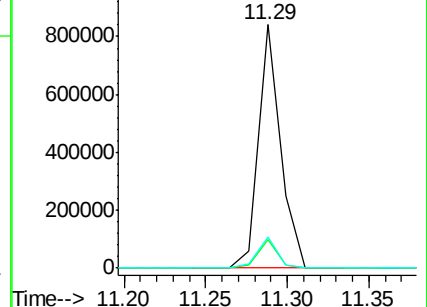
80 13.0 10.5 15.7

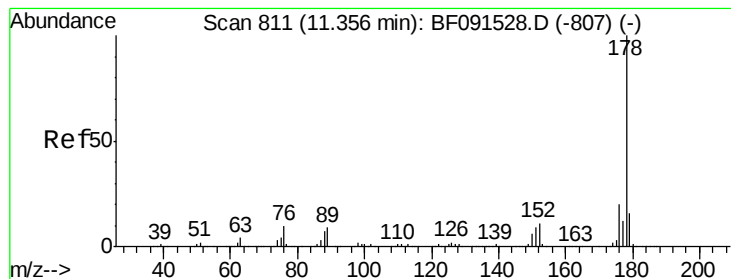


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 8.60 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

Instrument :

BNA_F

ClientSampleId :

SS03-0-2IN

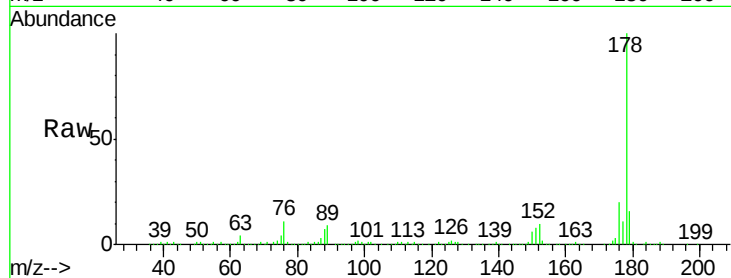
Tot Ion:178 Resp: 336145

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

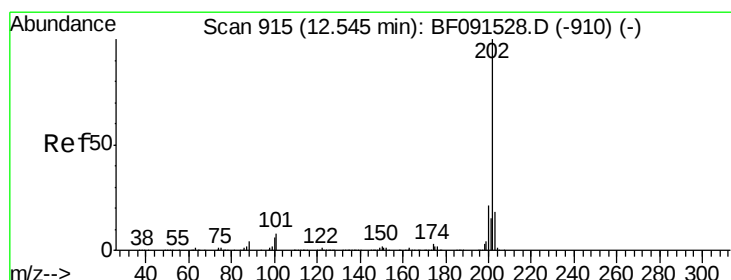
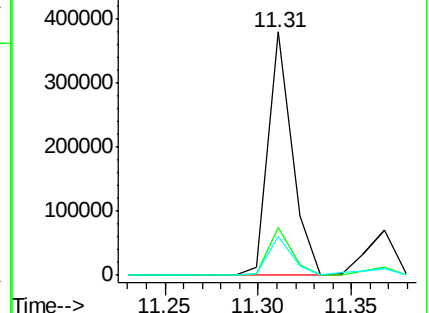
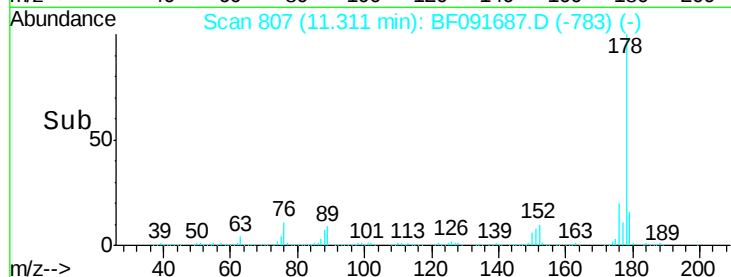
179 15.7 12.6 18.8



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: 11.01 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

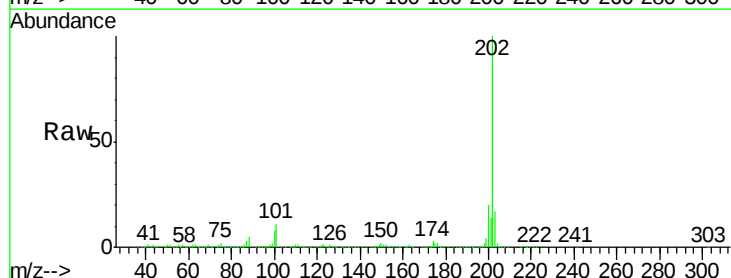
Tgt Ion:202 Resp: 451020

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.5

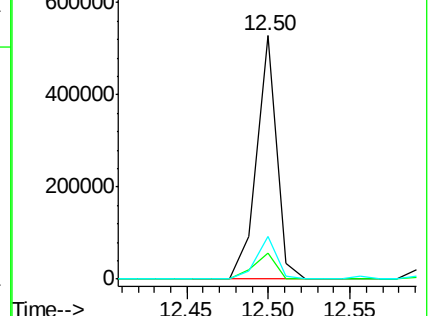
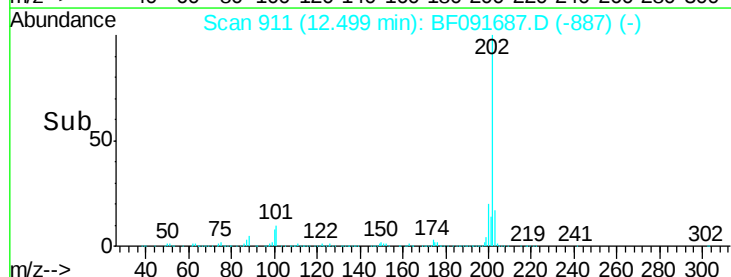
203 17.3 0.0 37.8

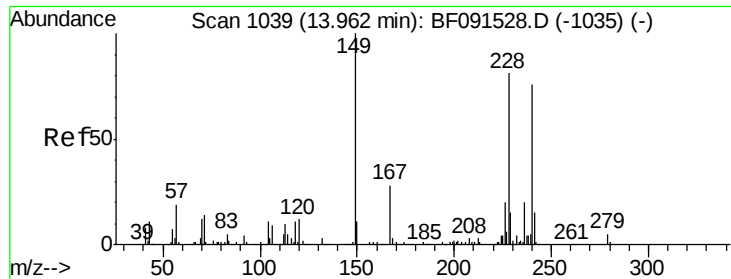


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

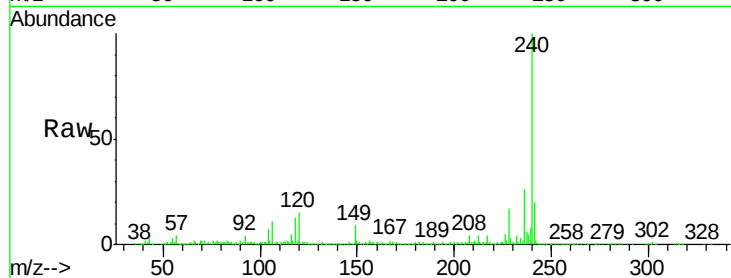




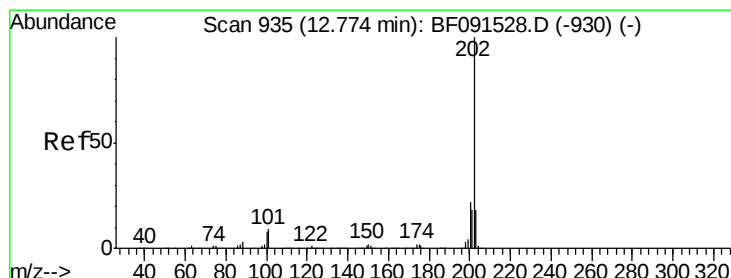
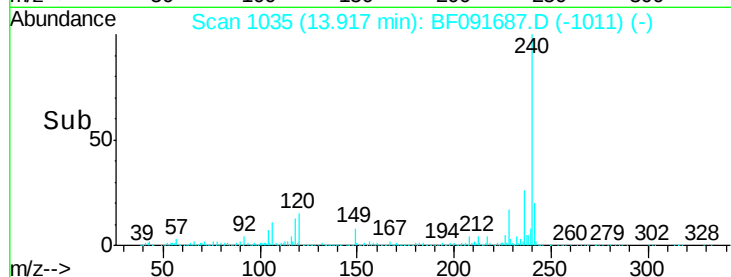
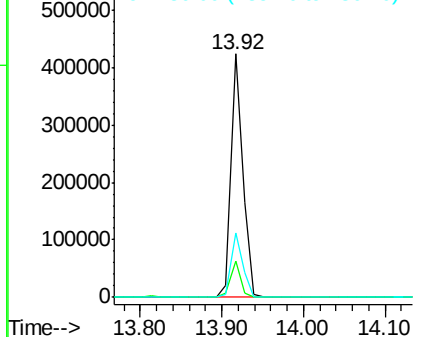
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF091687.D
Acq: 16 Dec 2016 21:54

Instrument :
BNA_F
ClientSampled :
SS03-0-2IN

Tot Ion:240 Resp: 425127
Ion Ratio Lower Upper
240 100
120 15.0 12.1 18.1
236 26.3 21.0 31.6

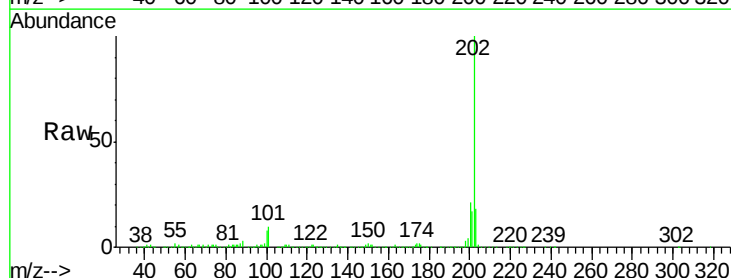


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

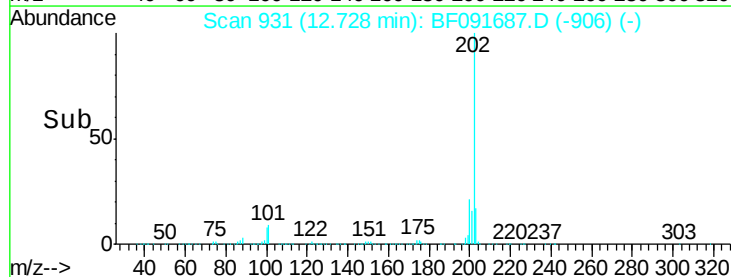
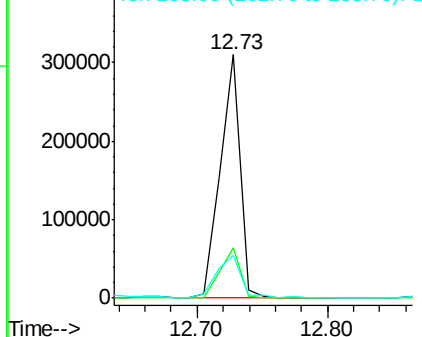


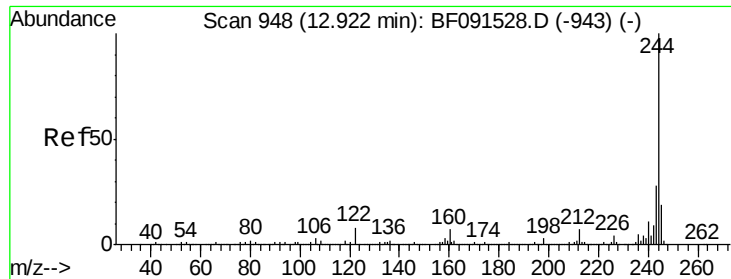
#77
Pyrene
Concen: 9.83 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF091687.D
Acq: 16 Dec 2016 21:54

Tgt Ion:202 Resp: 331416
Ion Ratio Lower Upper
202 100
200 20.7 17.6 26.4
203 17.8 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

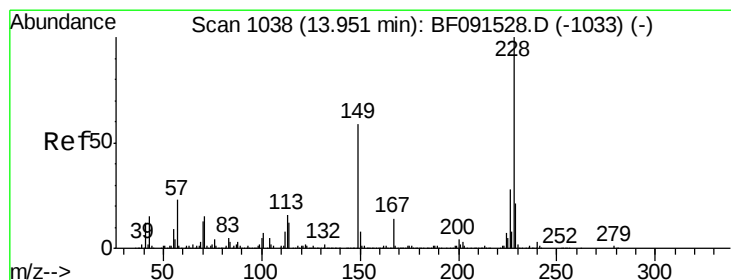
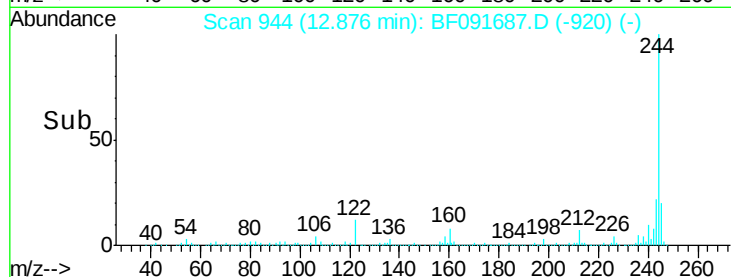
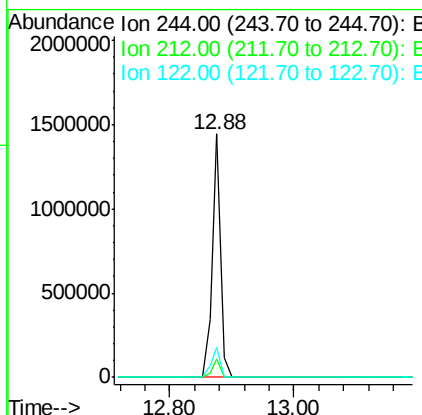
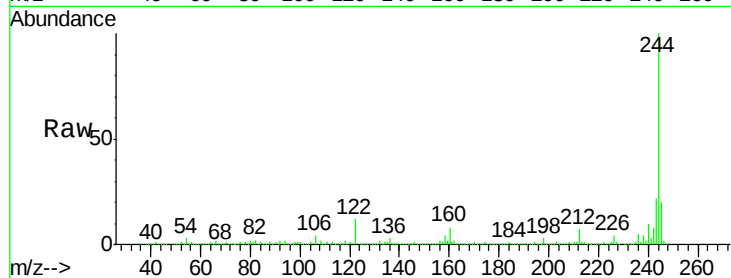




#78
 Terphenyl-d14
 Concen: 70.52 ng
 RT: 12.88 min Scan# 944
 Delta R.T. -0.02 min
 Lab File: BF091687.D
 Acq: 16 Dec 2016 21:54

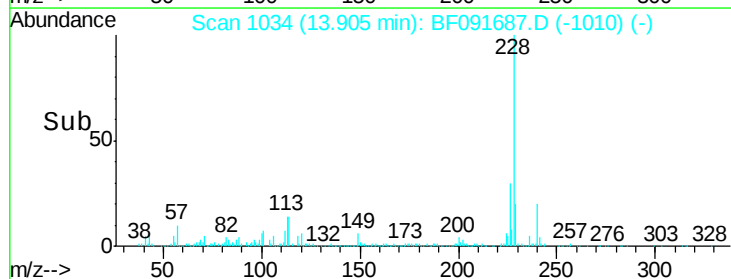
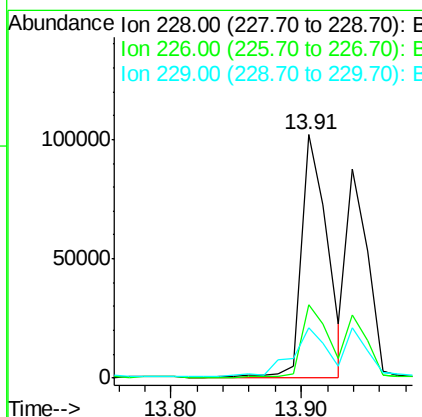
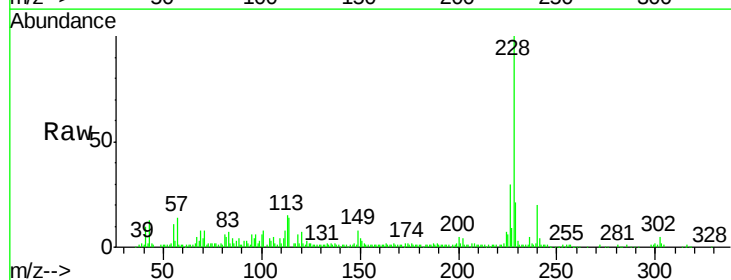
Instrument :
 BNA_F
 ClientSampleId :
 SS03-0-2IN

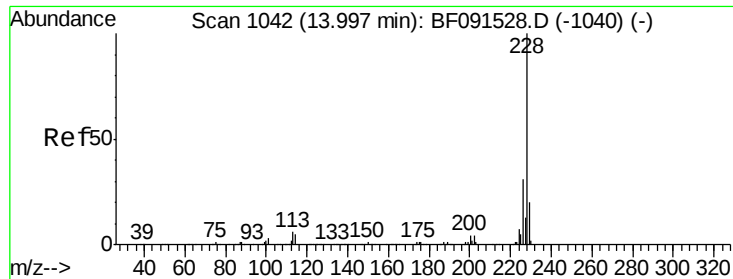
Tot Ion:244 Resp: 1321174
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 12.1 9.5 14.3



#80
 Benzo(a)anthracene
 Concen: 5.76 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.02 min
 Lab File: BF091687.D
 Acq: 16 Dec 2016 21:54

Tgt Ion:228 Resp: 142211
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.5 33.7
 229 20.7 16.4 24.6





#82

Chrysene

Concen: 3.90 ng/mL

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

Instrument :

BNA_F

ClientSampleId :

SS03-0-2IN

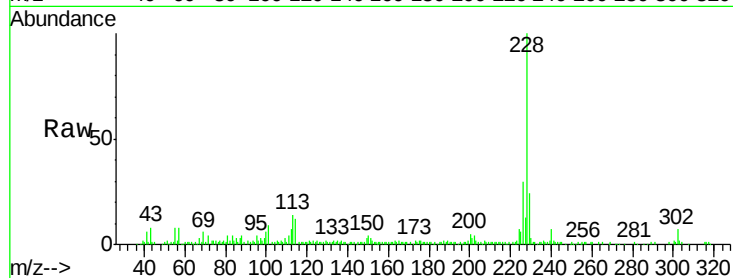
Tot Ion: 228 Resp: 100679

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.4

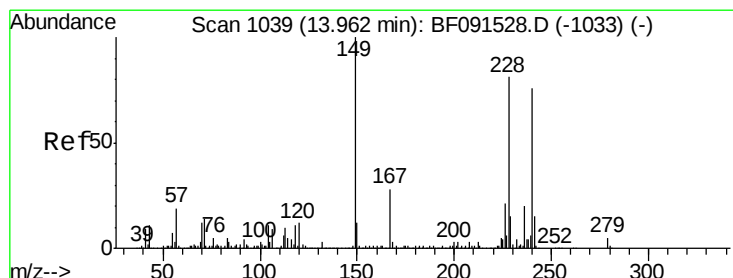
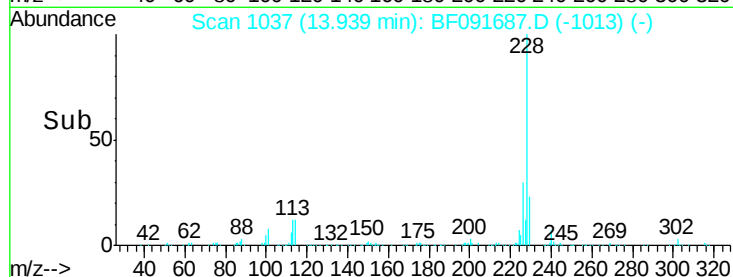
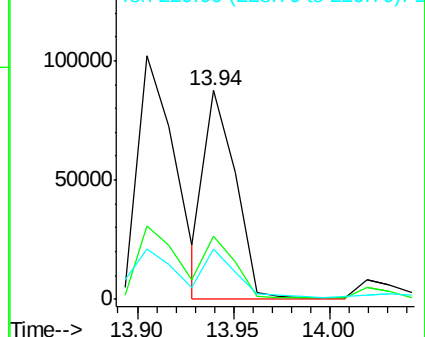
229 23.9 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.01 ng/mL

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091687.D

Acq: 16 Dec 2016 21:54

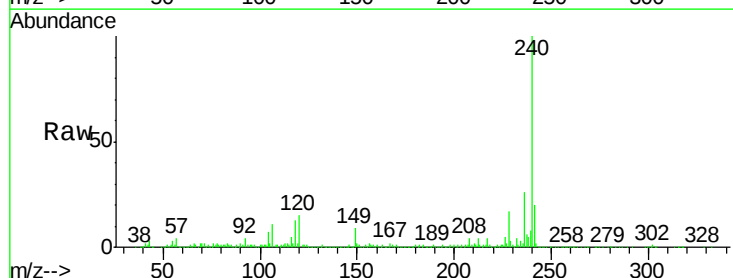
Tgt Ion: 149 Resp: 33846

Ion Ratio Lower Upper

149 100

167 28.6 19.6 29.4

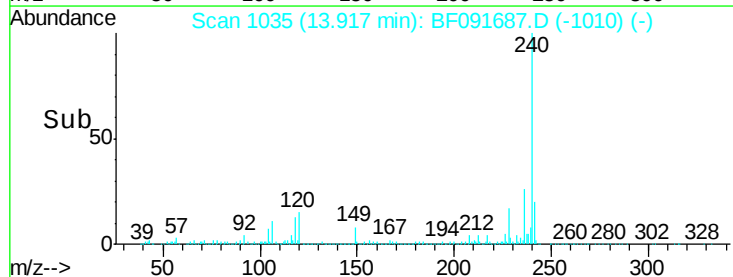
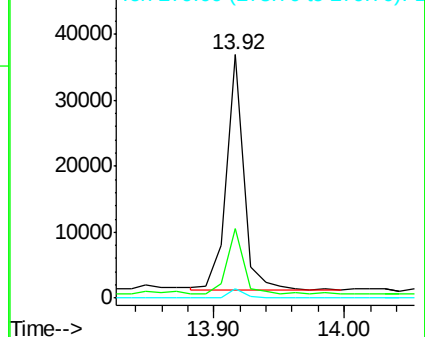
279 3.8 1.9 2.9#

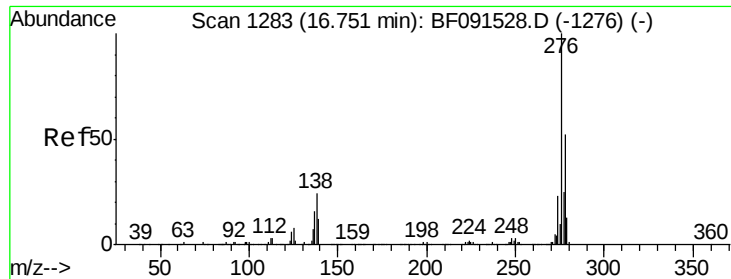


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

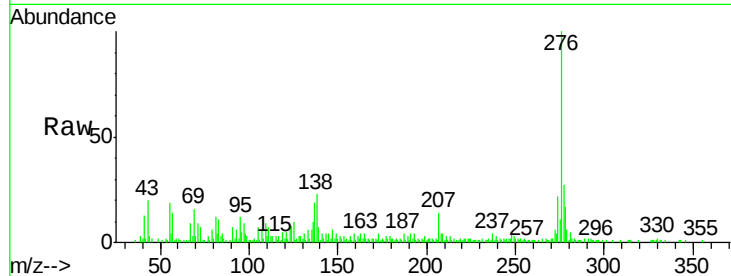




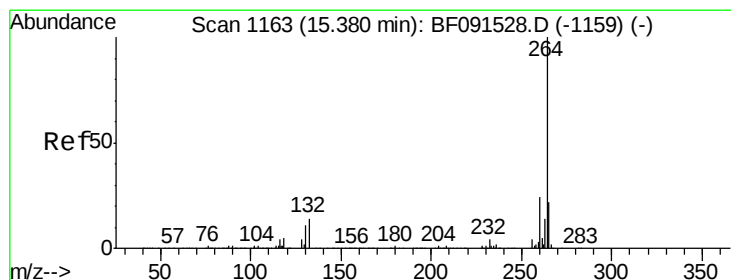
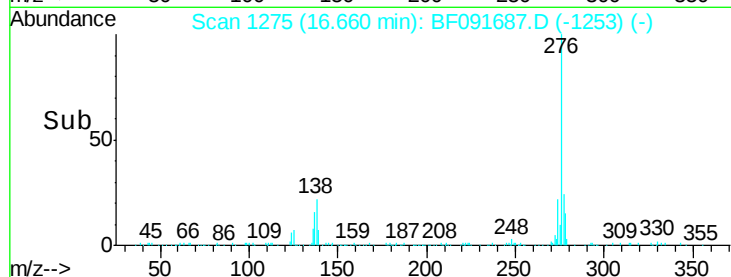
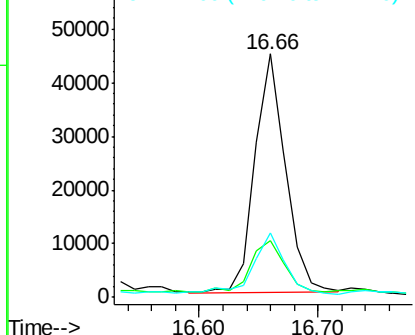
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.46 ng
 RT: 16.66 min Scan# 1275
 Delta R.T. -0.05 min
 Lab File: BF091687.D
 Acq: 16 Dec 2016 21:54

Instrument :
 BNA_F
 ClientSampleId :
 SS03-0-2IN

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	21.0	31.4
277	28.1	20.2	30.2

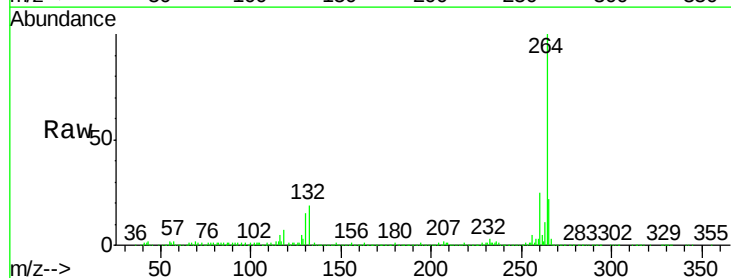


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

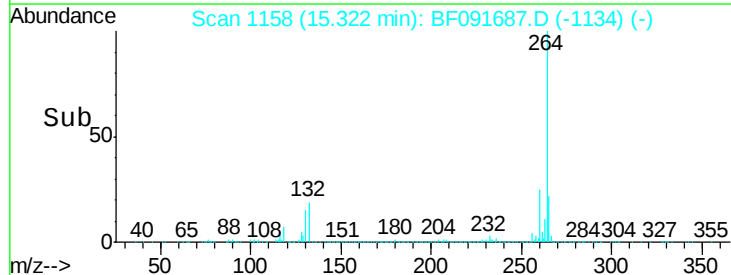
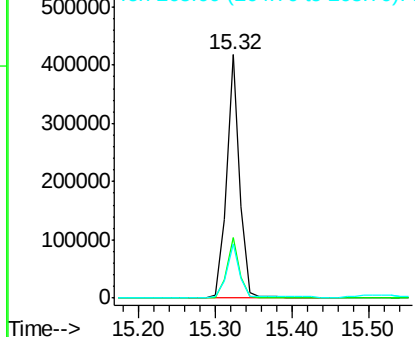


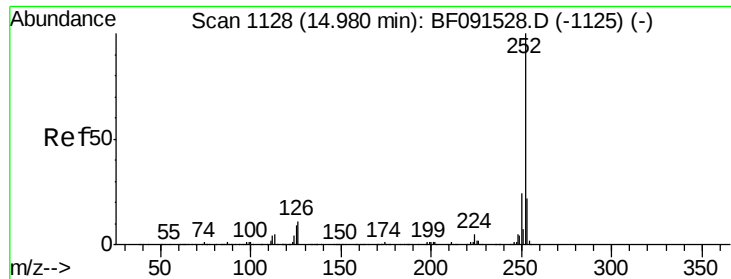
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BF091687.D
 Acq: 16 Dec 2016 21:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.8	28.2
265	22.4	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

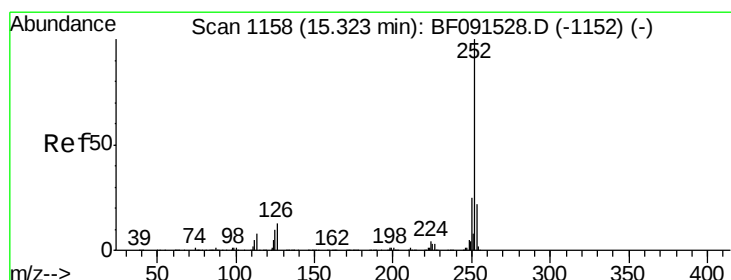
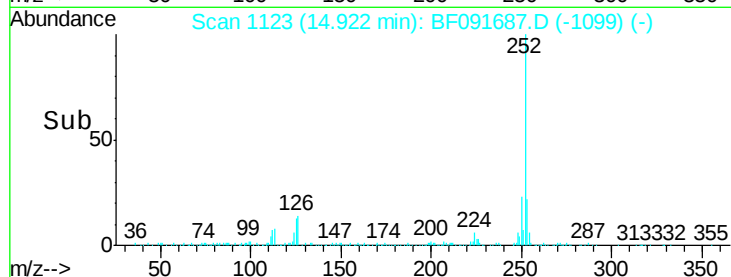
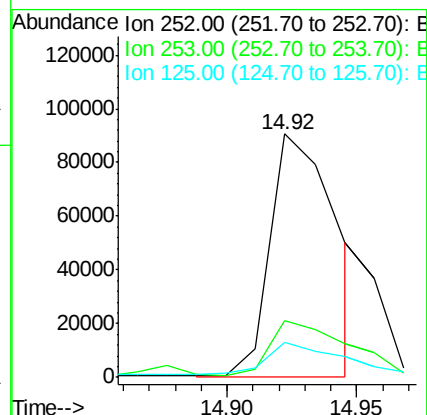
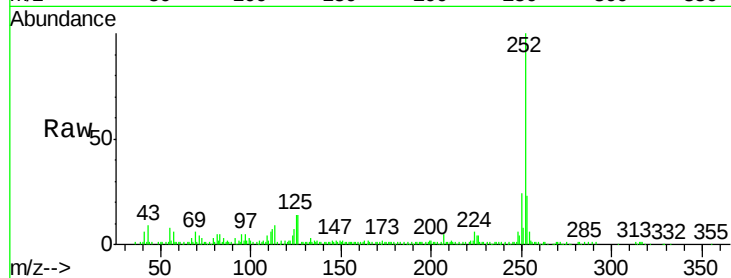




#87
Benzo(b)fluoranthene
Concen: 5.24 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.02 min
Lab File: BF091687.D
Acq: 16 Dec 2016 21:54

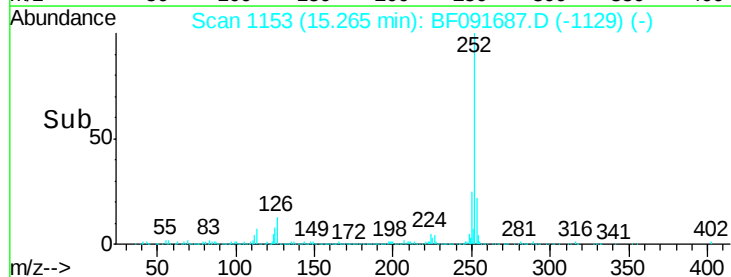
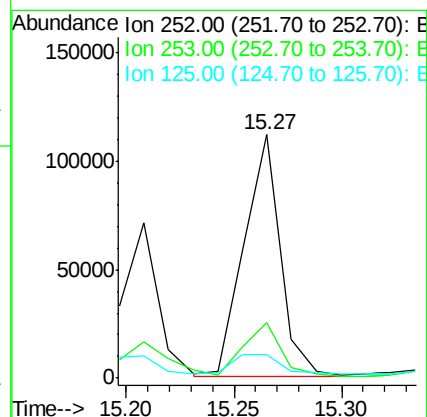
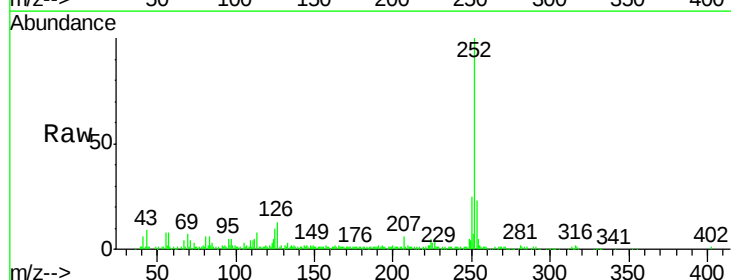
Instrument :
BNA_F
ClientSampleId :
SS03-0-2IN

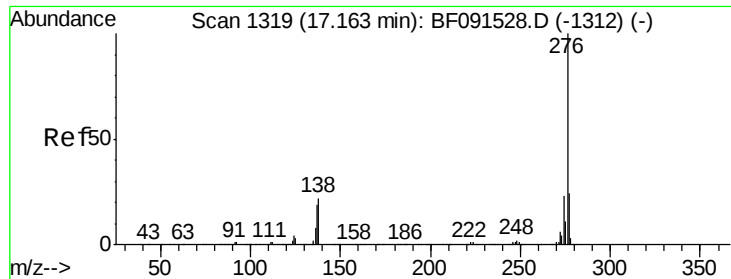
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	14.2	8.6	13.0



#89
Benzo(a)pyrene
Concen: 4.83 ng m
RT: 15.27 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF091687.D
Acq: 16 Dec 2016 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	9.8	10.4	15.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.10 ng
 RT: 17.06 min Scan# 1310
 Delta R.T. -0.06 min
 Lab File: BF091687.D
 Acq: 16 Dec 2016 21:54

Instrument :
 BNA_F
 ClientSampleId :
 SS03-0-2IN

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	23.4	15.4	23.0

