

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110116\
 Data File : BF090962.D
 Acq On : 1 Nov 2016 20:27
 Operator : UM/SJ
 Sample : H5502-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-88-0.5-1.0

Quant Time: Nov 01 23:55:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

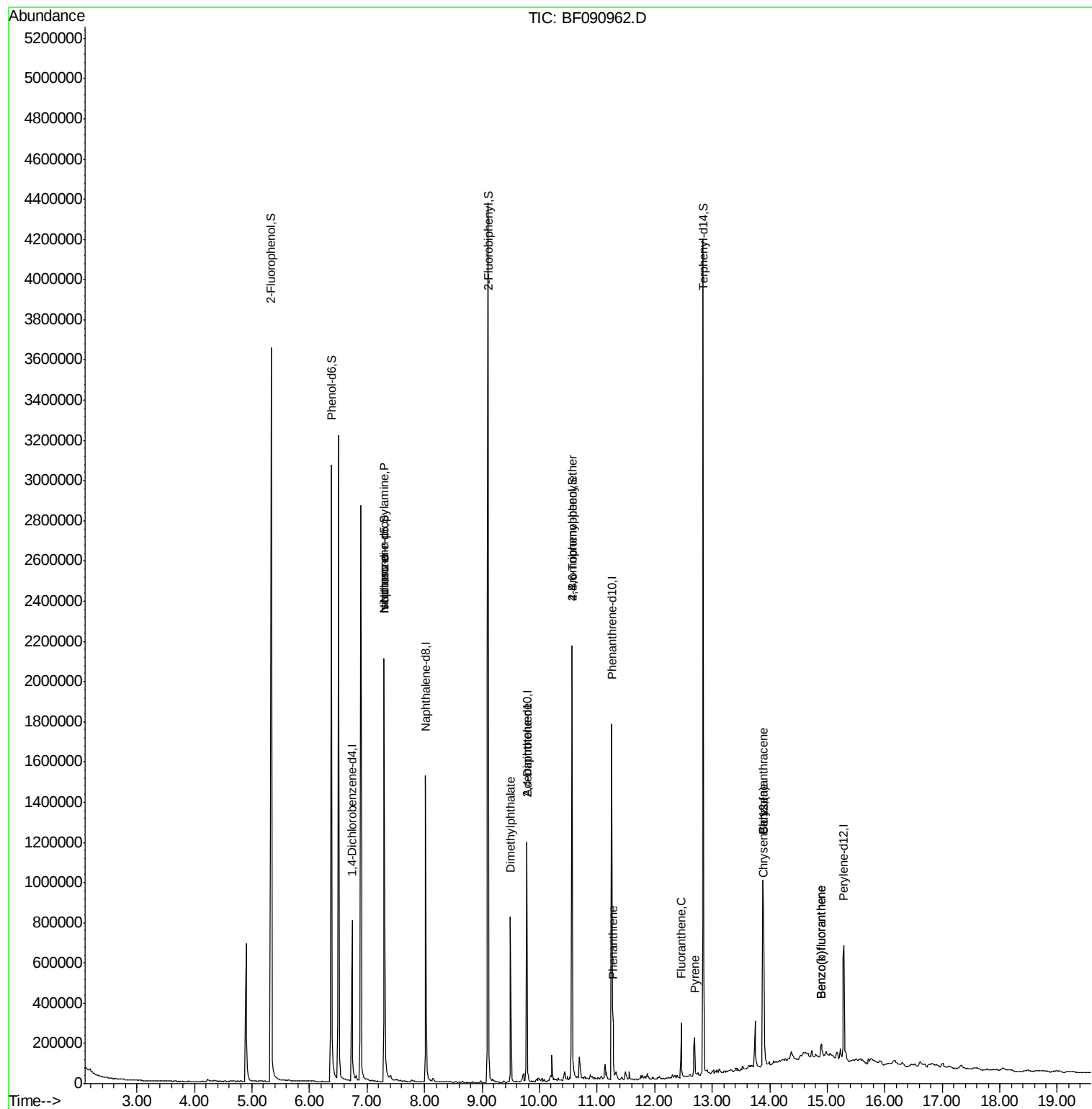
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	161933	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	714719	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	381554	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	599824	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	390829	20.00	ng	-0.01
86) Perylene-d12	15.29	264	290071	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1077401	116.33	ng	0.00
7) Phenol-d6	6.38	99	1581333	126.56	ng	-0.01
23) Nitrobenzene-d5	7.30	82	898676	82.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	383735	97.86	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1547549	71.22	ng	-0.01
78) Terphenyl-d14	12.84	244	1218208	78.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	124881	17.29	ng	# 55
25) Isophorone	7.30	82	816091	36.83	ng	# 58
49) Dimethylphthalate	9.49	163	354325	13.90	ng	# 97
56) 2,4-Dinitrotoluene	9.78	165	49033	7.01	ng	# 33
66) 4-Bromophenyl-phenylether	10.57	248	25691	3.91	ng	# 1
70) Phenanthrene	11.28	178	90277	2.96	ng	97
74) Fluoranthene	12.47	202	114282	3.42	ng	93
77) Pyrene	12.69	202	95701	3.87	ng	97
80) Benzo(a)anthracene	13.88	228	52265	2.52	ng	94
82) Chrysene	13.88	228	52265	2.49	ng	96
87) Benzo(b)fluoranthene	14.90	252	50679	2.60	ng	98
88) Benzo(k)fluoranthene	14.90	252	50679	3.29	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: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

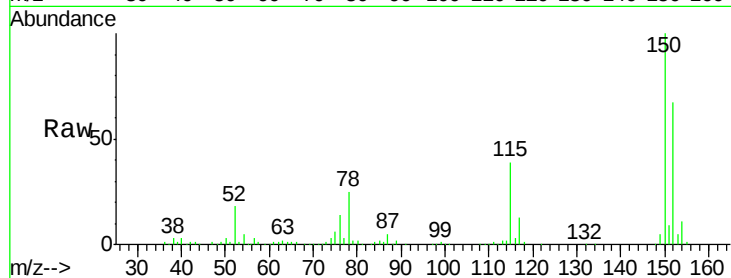
Tgt Ion:152 Resp: 161933

Ion Ratio Lower Upper

152 100

150 150.0 124.7 187.1

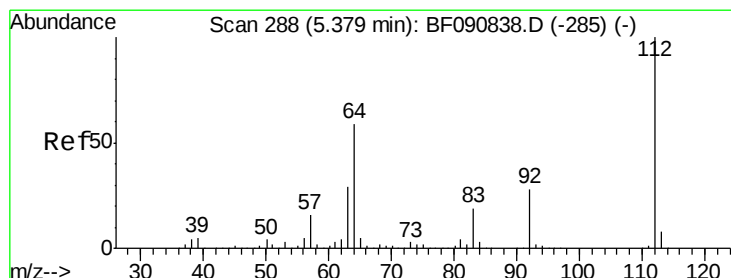
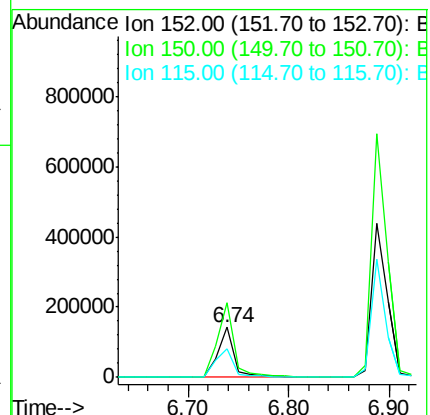
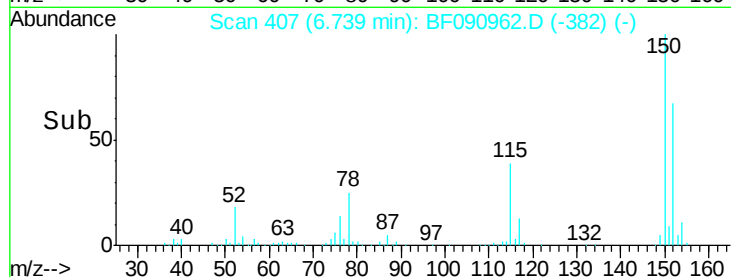
115 58.6 39.0 58.4#



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: 116.33 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

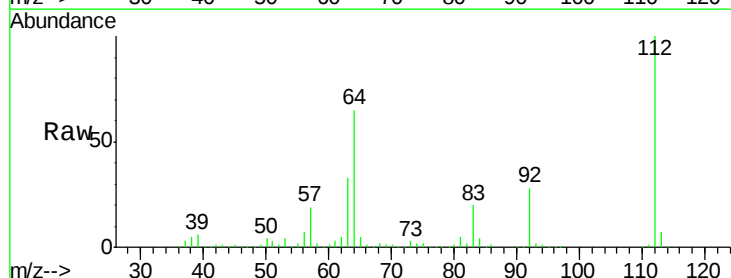
Tgt Ion:112 Resp: 1077401

Ion Ratio Lower Upper

112 100

64 65.2 39.7 59.5#

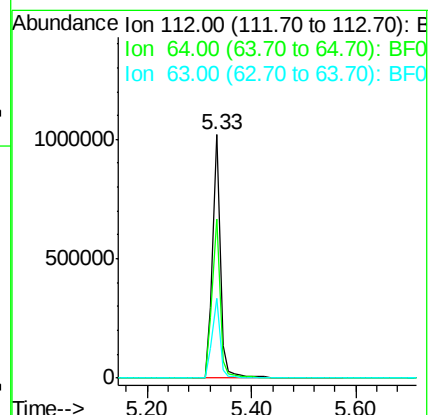
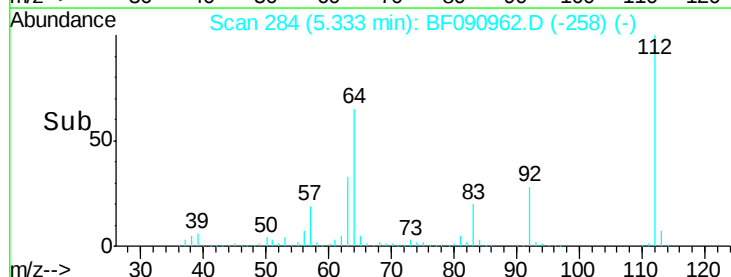
63 32.5 17.4 26.0#

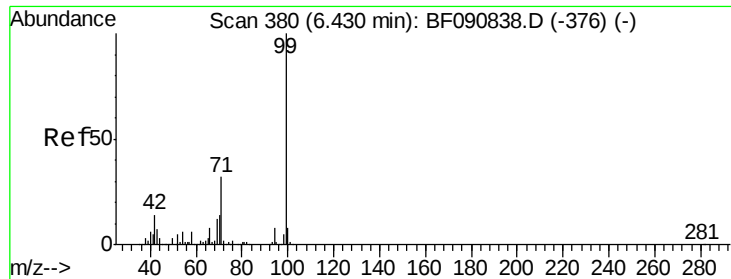


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.56 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

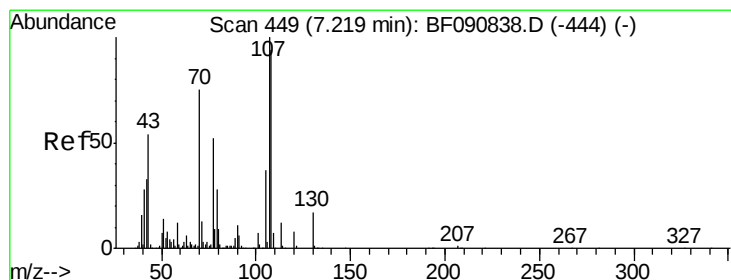
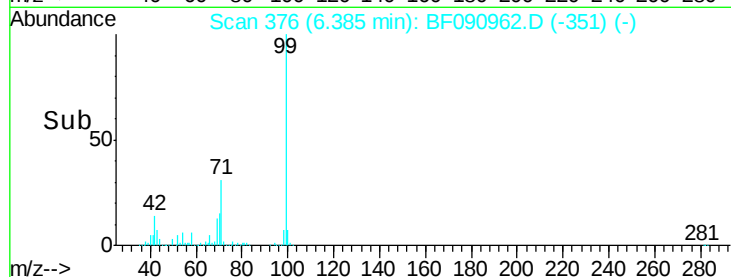
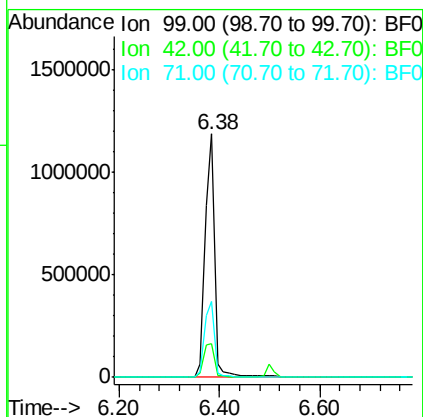
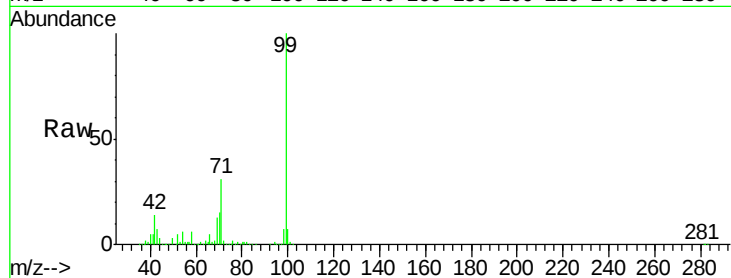
Tgt Ion: 99 Resp: 1581333

Ion Ratio Lower Upper

99 100

42 14.0 13.7 20.5

71 31.2 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 17.29 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.13 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Tgt Ion: 70 Resp: 124881

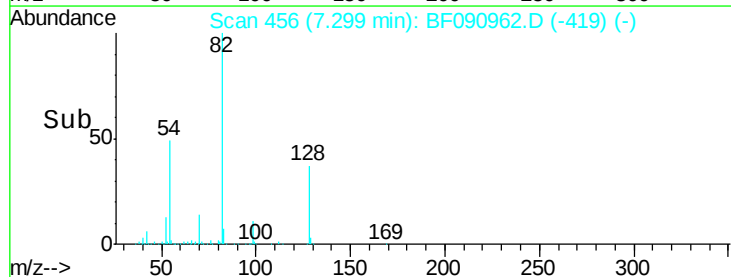
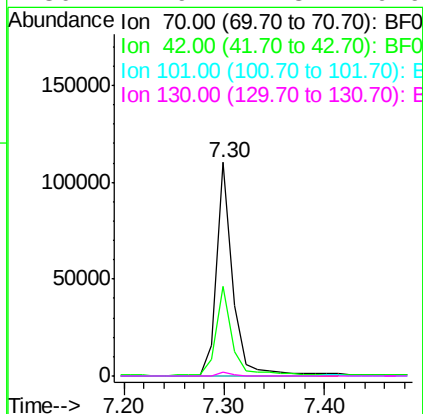
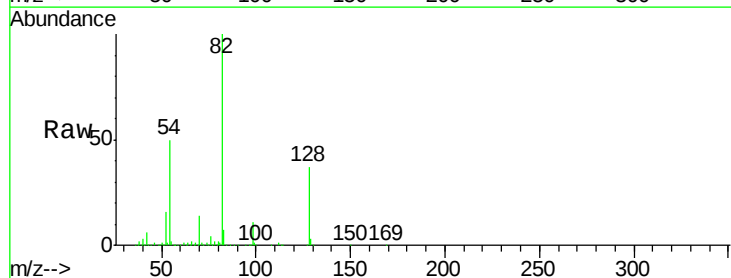
Ion Ratio Lower Upper

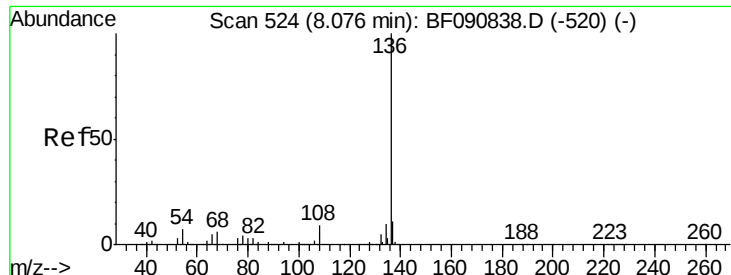
70 100

42 42.2 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

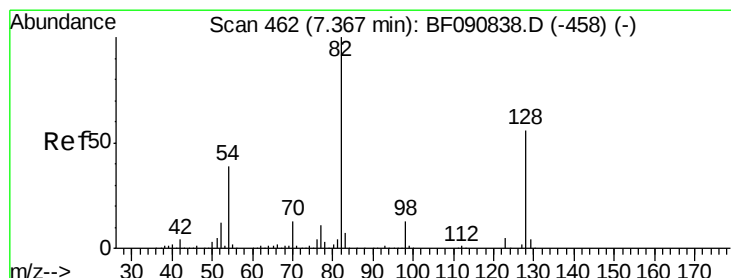
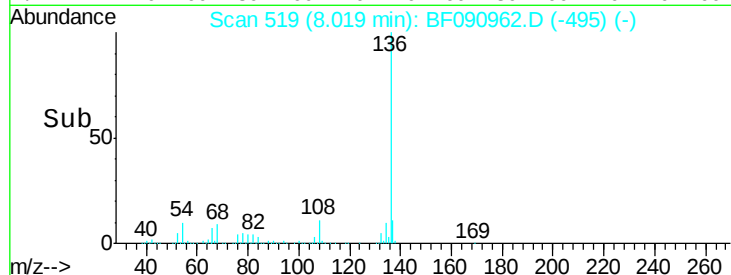
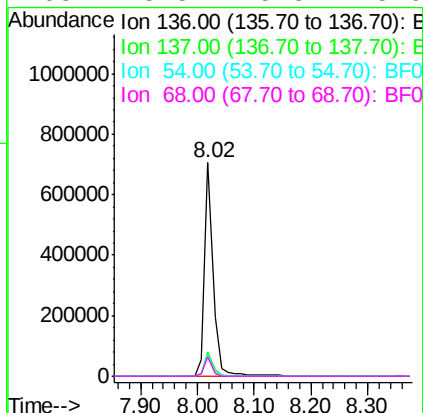
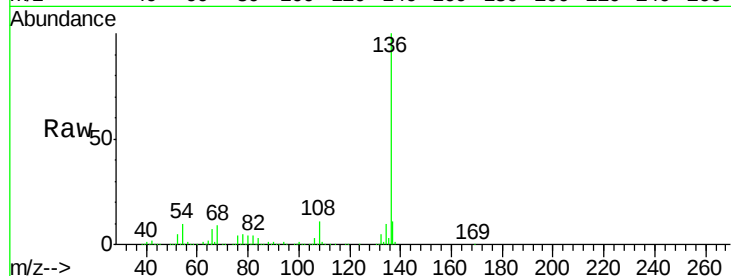




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF090962.D
Acq: 1 Nov 2016 20:27

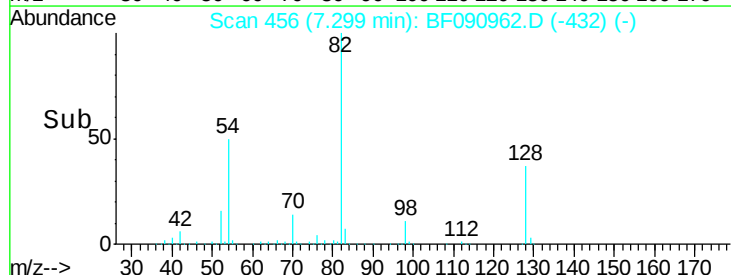
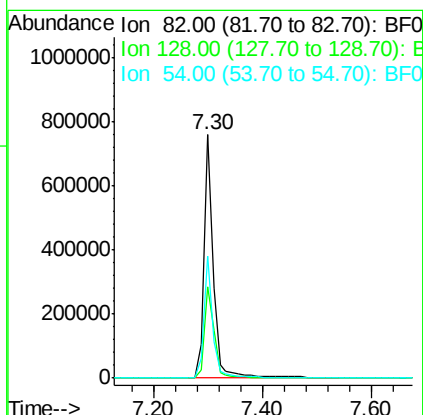
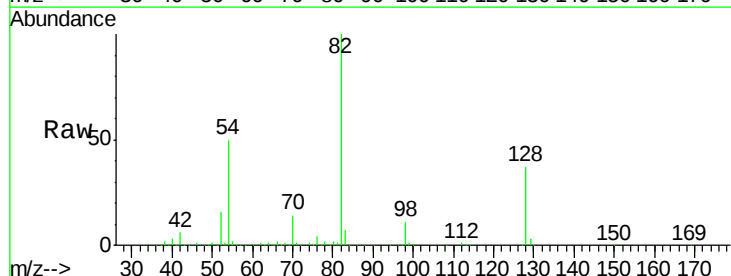
Instrument :
BNA_F
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SB-88-0.5-1.0

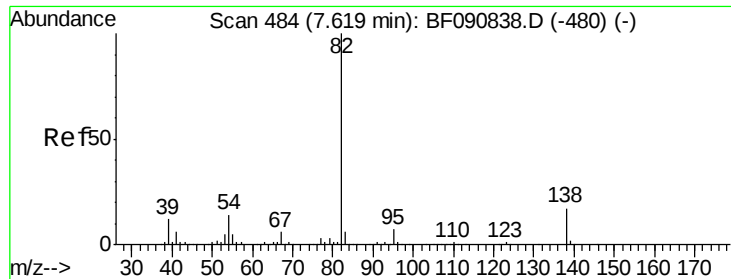
Tgt Ion:	136	Resp:	714719
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.4	8.2	12.2
68	8.8	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 82.31 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF090962.D
Acq: 1 Nov 2016 20:27

Tgt Ion:	82	Resp:	898676
Ion	Ratio	Lower	Upper
82	100		
128	37.3	51.0	76.6#
54	49.9	47.5	71.3





#25

Isophorone

Concen: 36.83 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.29 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

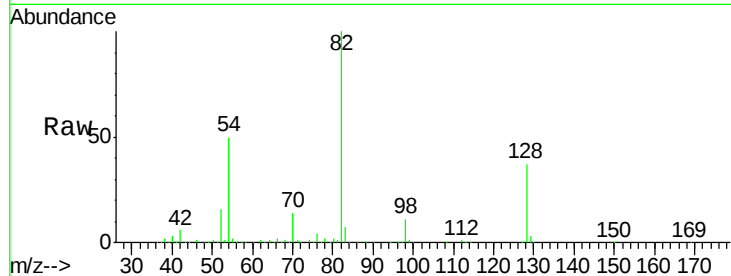
Tgt Ion: 82 Resp: 816091

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

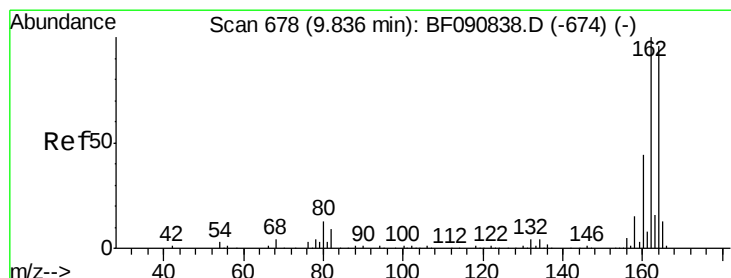
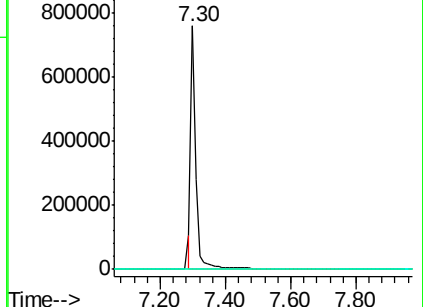
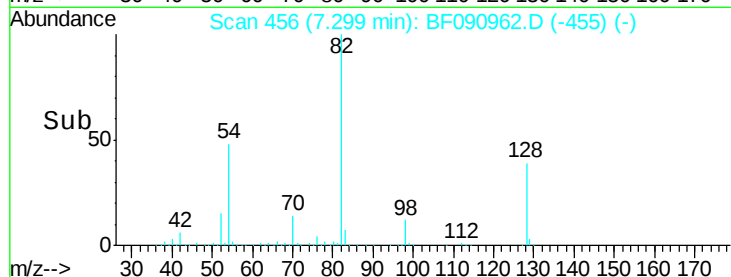
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

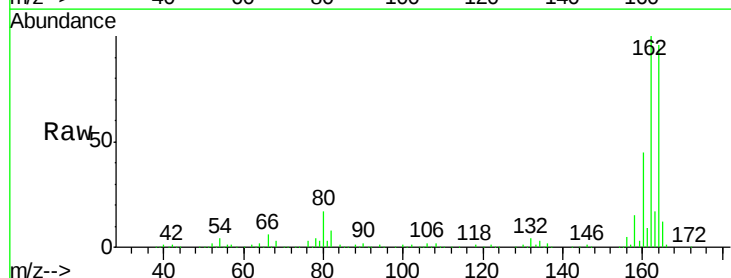
Tgt Ion: 164 Resp: 381554

Ion Ratio Lower Upper

164 100

162 104.3 75.2 112.8

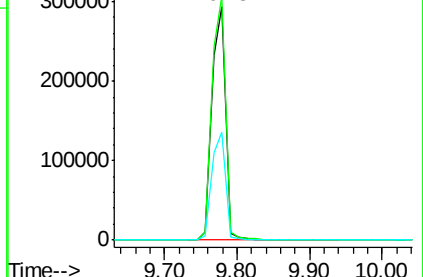
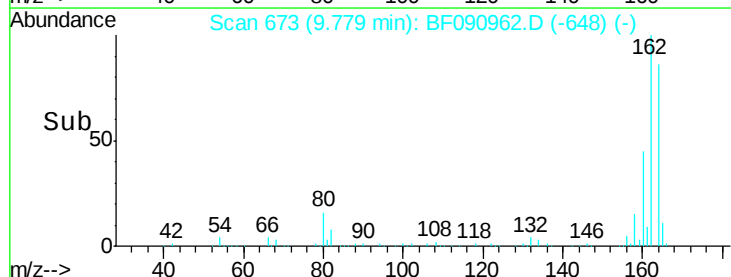
160 46.4 31.5 47.3

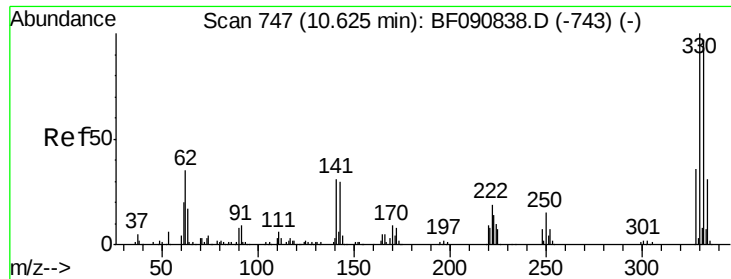


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

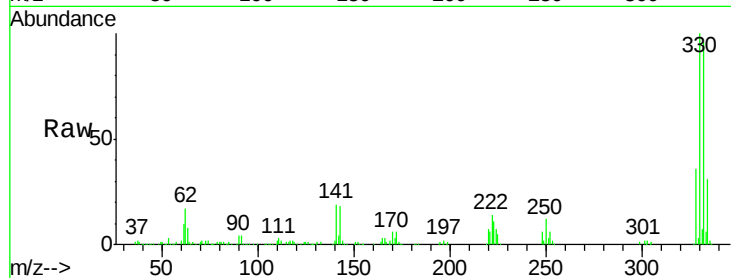




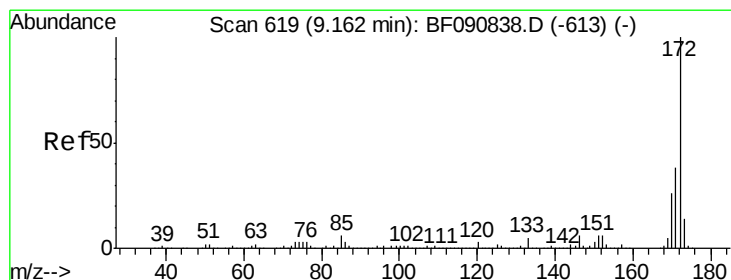
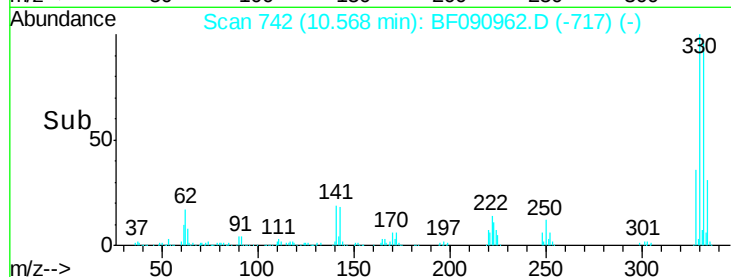
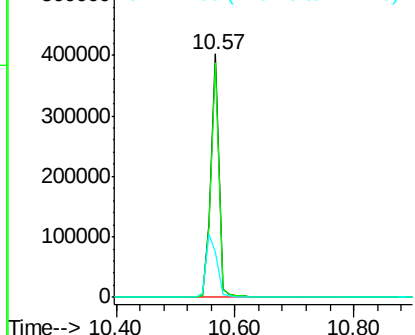
#41
 2,4,6-Tribromophenol
 Concen: 97.86 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF090962.D
 Acq: 1 Nov 2016 20:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-88-0.5-1.0

Tgt Ion:330 Resp: 383735
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 35.3 29.7 44.5

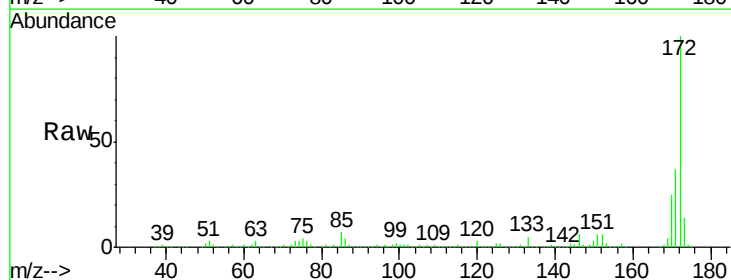


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

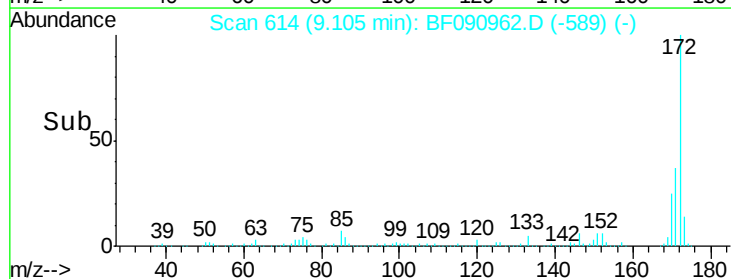
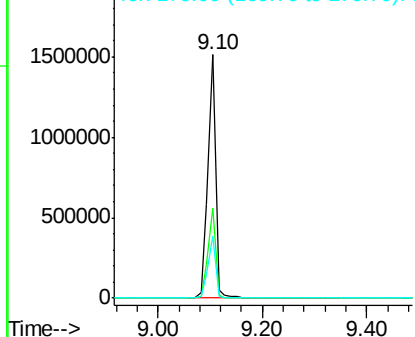


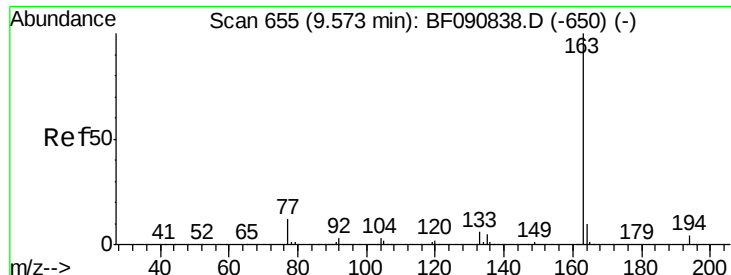
#44
 2-Fluorobiphenyl
 Concen: 71.22 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF090962.D
 Acq: 1 Nov 2016 20:27

Tgt Ion:172 Resp: 1547549
 Ion Ratio Lower Upper
 172 100
 171 36.8 26.1 39.1
 170 25.2 17.4 26.2



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: 13.90 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

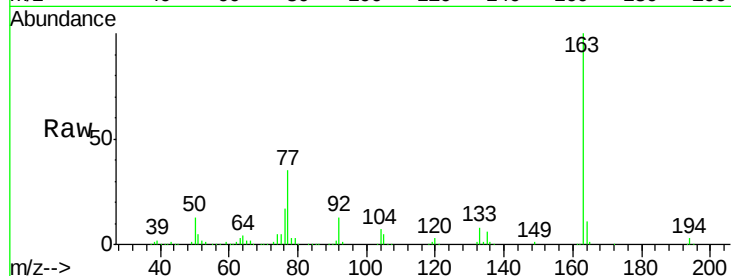
Tgt Ion:163 Resp: 354325

Ion Ratio Lower Upper

163 100

194 2.7 4.4 6.6#

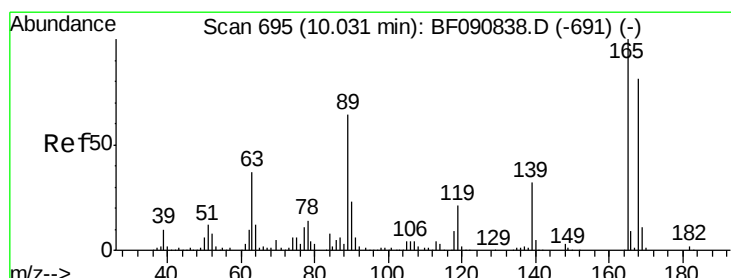
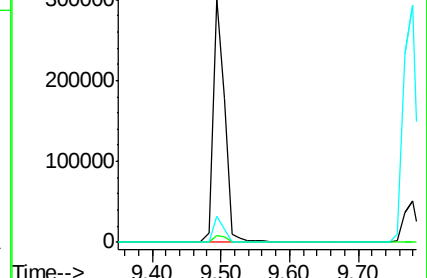
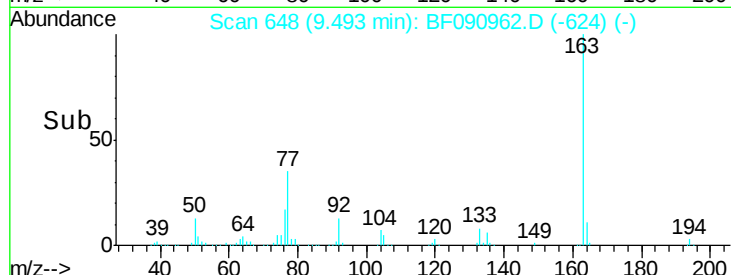
164 10.5 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 7.01 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Tgt Ion:165 Resp: 49033

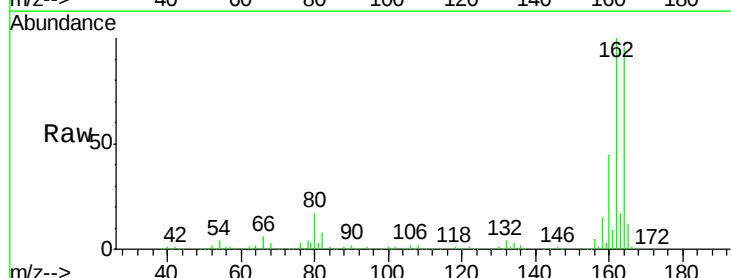
Ion Ratio Lower Upper

165 100

63 0.9 29.8 44.6#

89 0.9 44.5 66.7#

182 0.0 3.0 4.4#

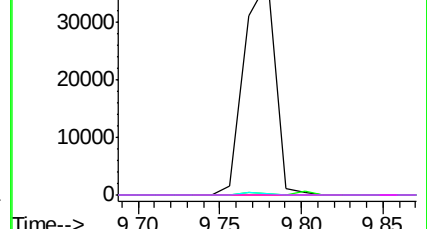
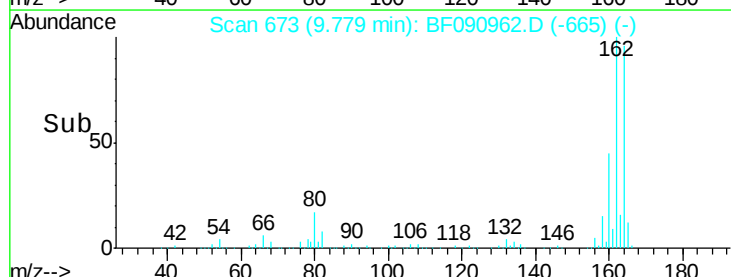


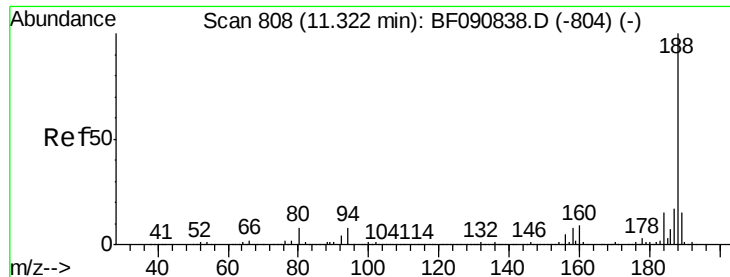
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

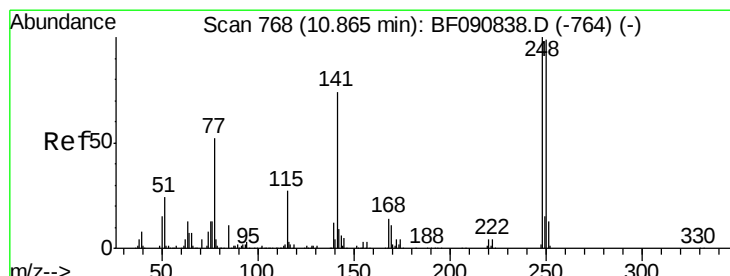
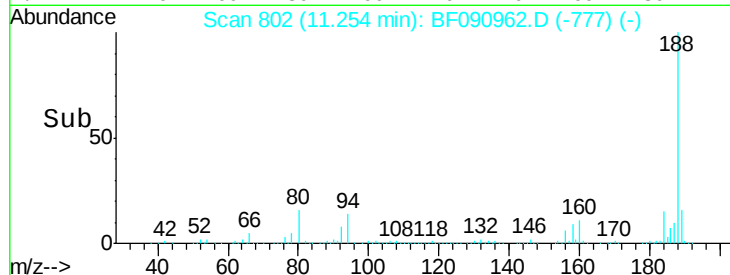
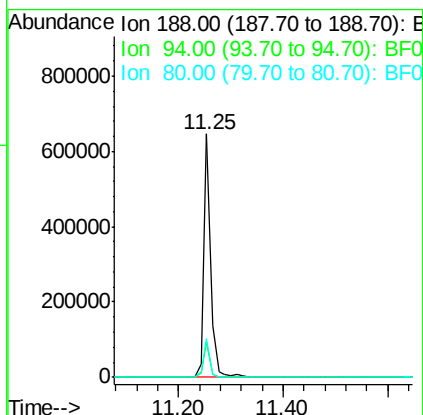
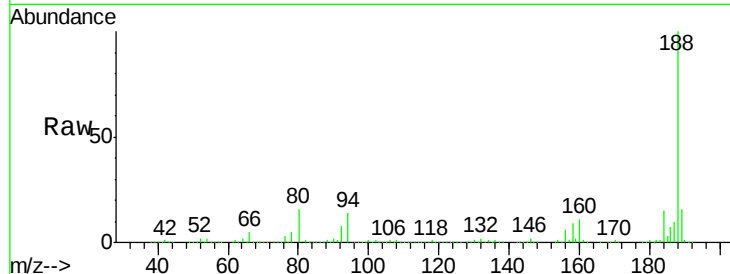




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090962.D
Acq: 1 Nov 2016 20:27

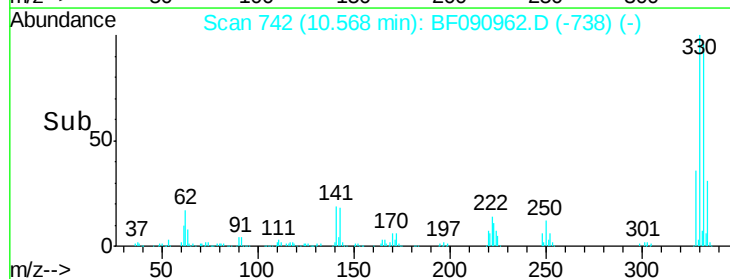
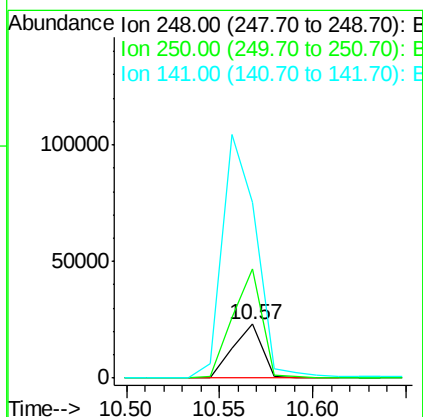
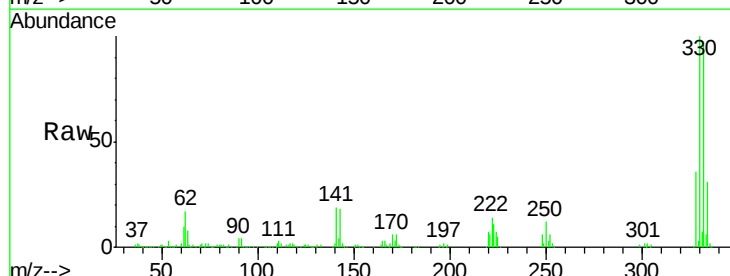
Instrument :
BNA_F
ClientSampleId :
SB-88-0.5-1.0

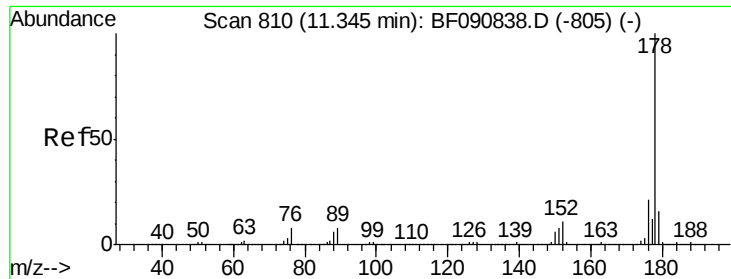
Tgt Ion:188 Resp: 599824
Ion Ratio Lower Upper
188 100
94 14.3 11.1 16.7
80 16.1 11.0 16.4



#66
4-Bromophenyl-phenylether
Concen: 3.91 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.25 min
Lab File: BF090962.D
Acq: 1 Nov 2016 20:27

Tgt Ion:248 Resp: 25691
Ion Ratio Lower Upper
248 100
250 202.6 78.5 117.7#
141 324.7 59.0 88.6#





#70

Phenanthrene

Concen: 2.96 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

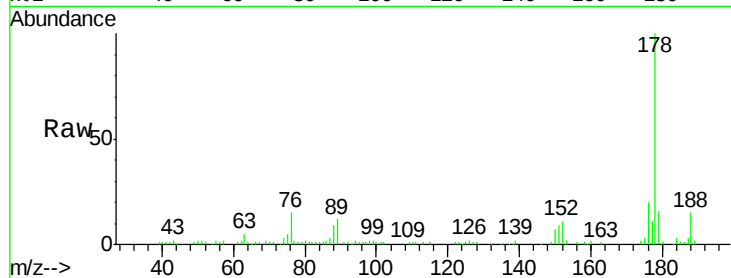
Tgt Ion:178 Resp: 90277

Ion Ratio Lower Upper

178 100

176 19.8 13.8 20.8

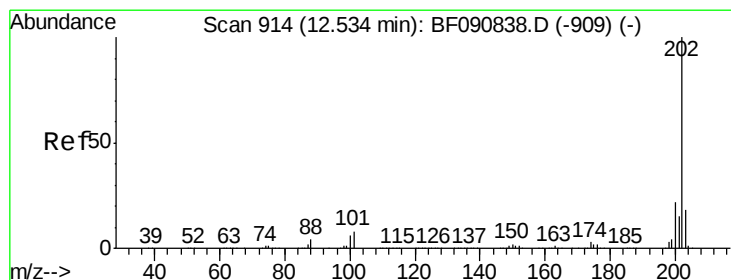
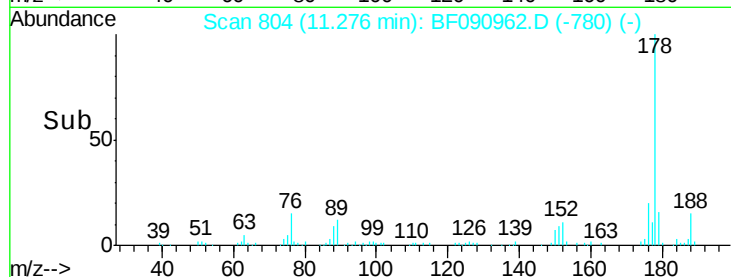
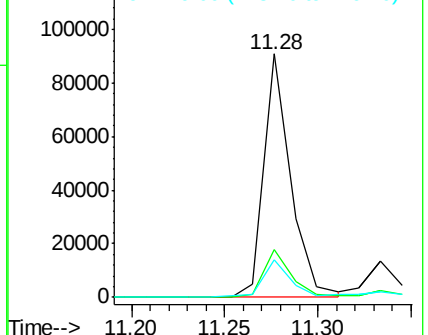
179 15.5 12.2 18.2



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: 3.42 ng

RT: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

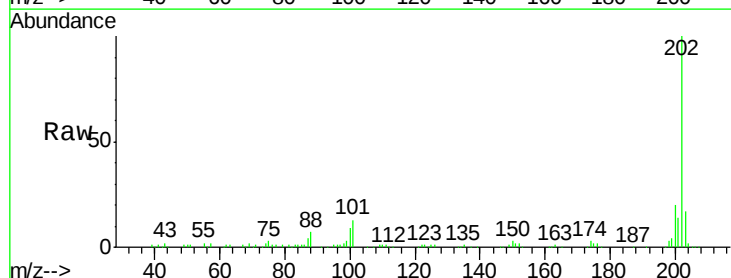
Tgt Ion:202 Resp: 114282

Ion Ratio Lower Upper

202 100

101 12.6 0.0 38.3

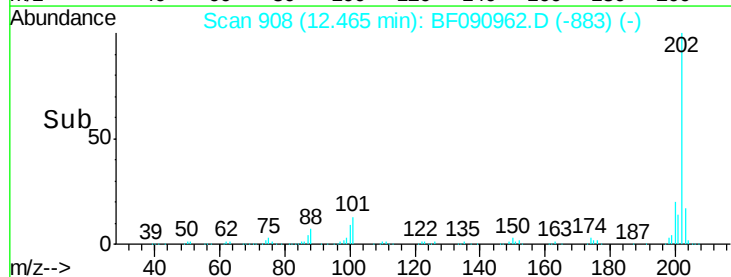
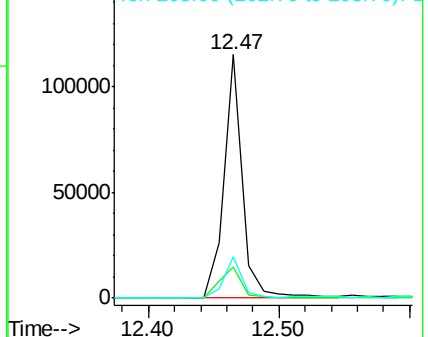
203 17.0 0.0 37.3

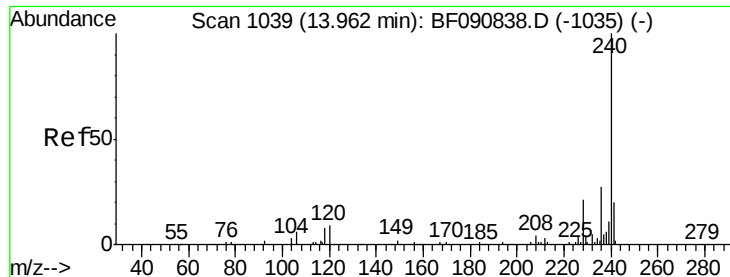


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

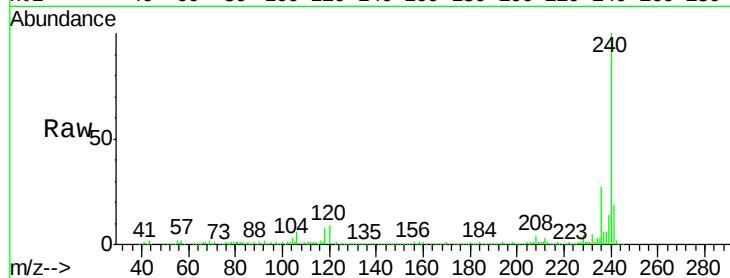
Tgt Ion:240 Resp: 390829

Ion Ratio Lower Upper

240 100

120 9.4 16.2 24.2#

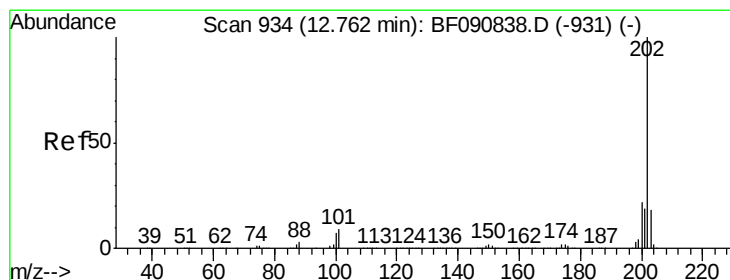
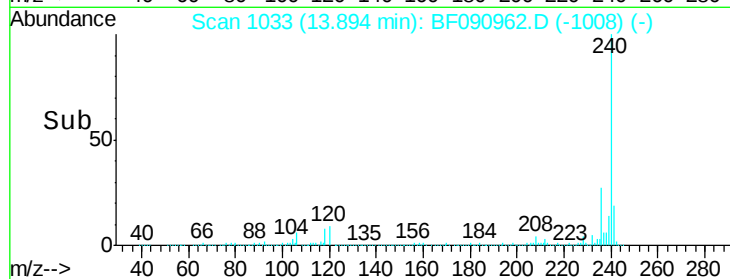
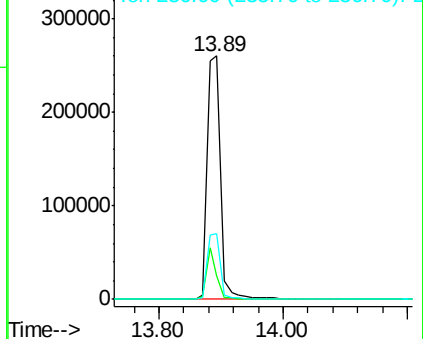
236 27.2 18.4 27.6



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: 3.87 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

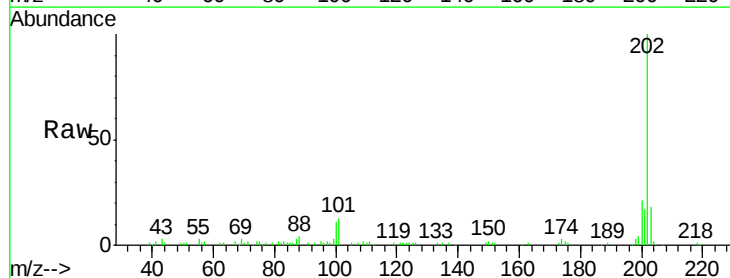
Tgt Ion:202 Resp: 95701

Ion Ratio Lower Upper

202 100

200 20.8 15.0 22.4

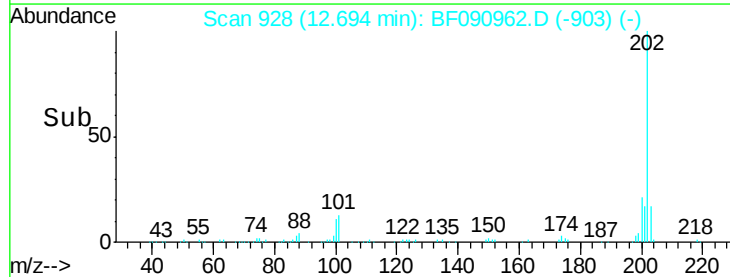
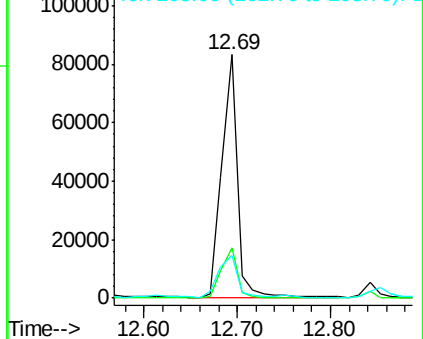
203 17.7 14.1 21.1

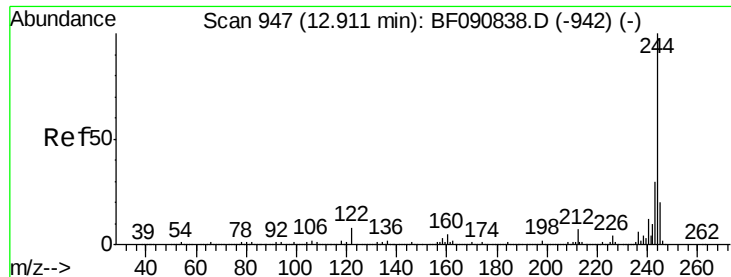


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.53 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

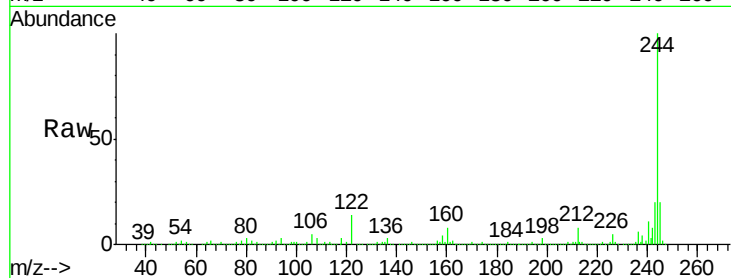
Tgt Ion:244 Resp: 1218208

Ion Ratio Lower Upper

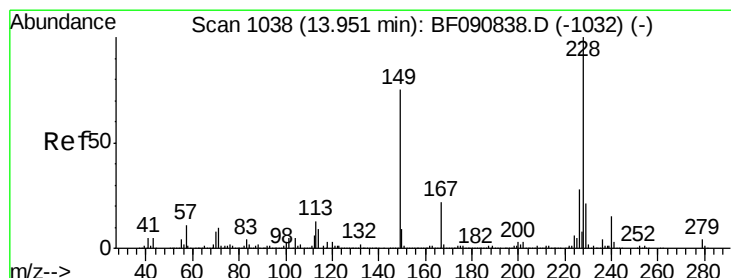
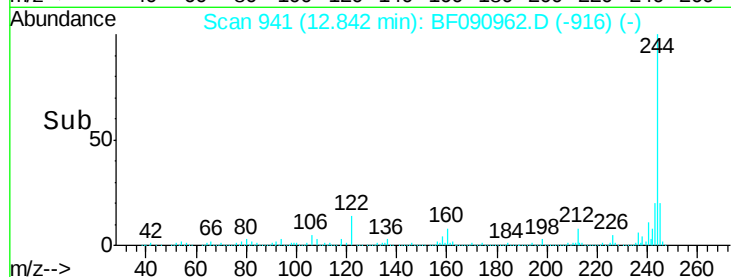
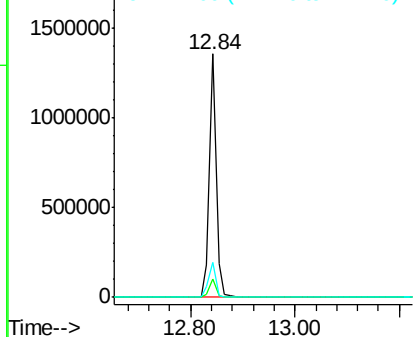
244 100

212 7.7 4.3 6.5#

122 14.3 17.4 26.2#



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: 2.52 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

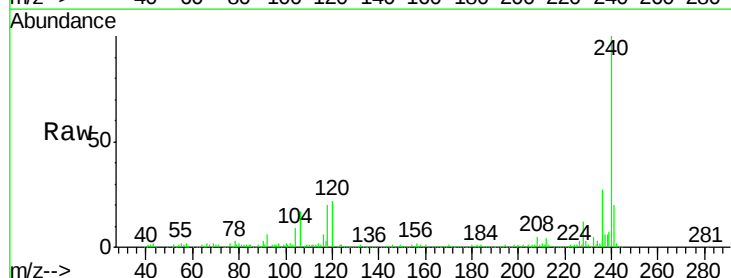
Tgt Ion:228 Resp: 52265

Ion Ratio Lower Upper

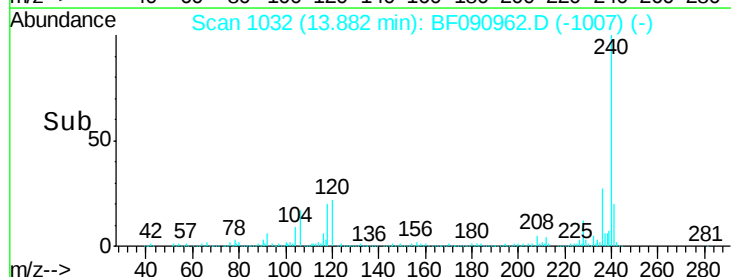
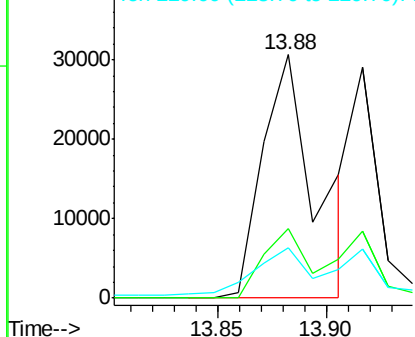
228 100

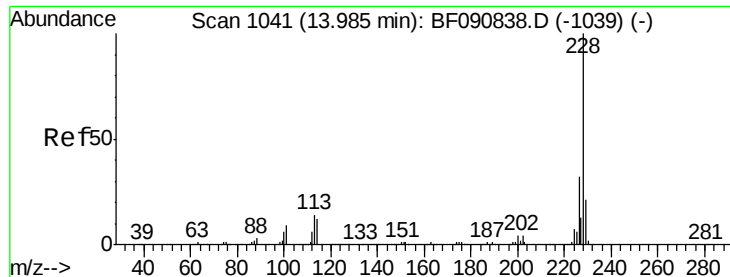
226 28.6 20.0 30.0

229 20.9 15.4 23.2



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





#82

Chrysene

Concen: 2.49 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

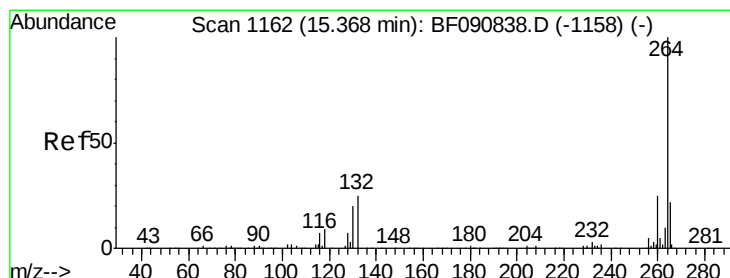
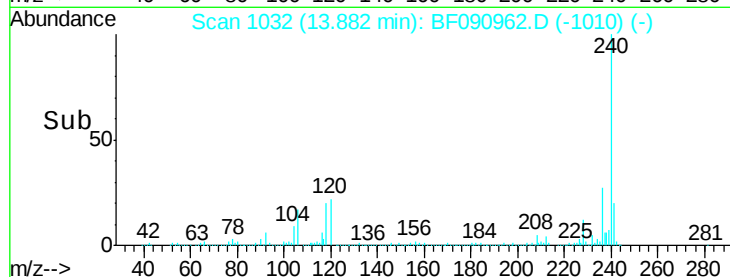
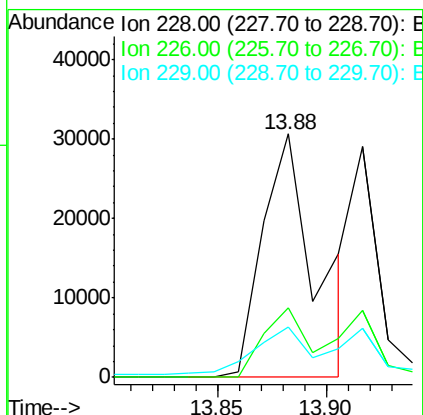
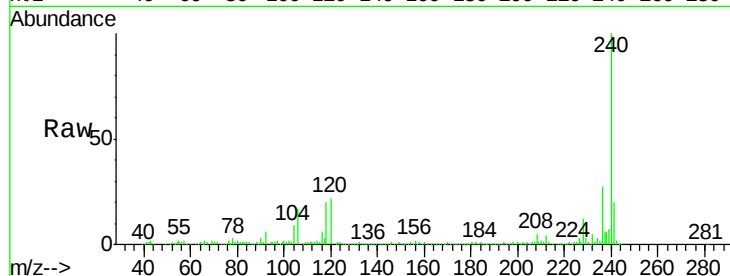
Instrument :

BNA_F

ClientSampleId :

SB-88-0.5-1.0

Tgt Ion:	228	Resp:	52265
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.0	31.4
229	20.9	15.6	23.4



#86

Perylene-d12

Concen: 20.00 ng

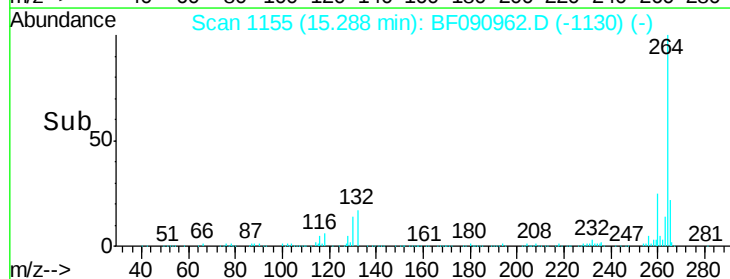
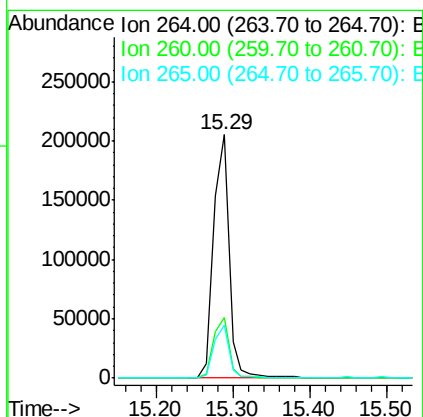
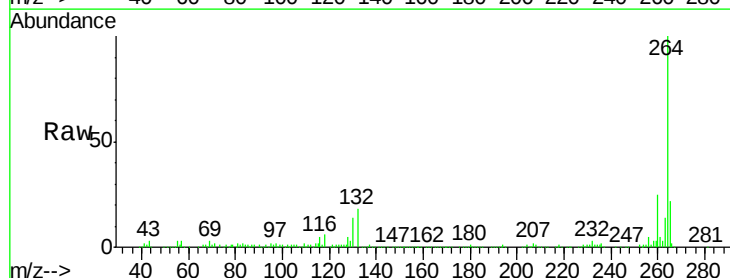
RT: 15.29 min Scan# 1155

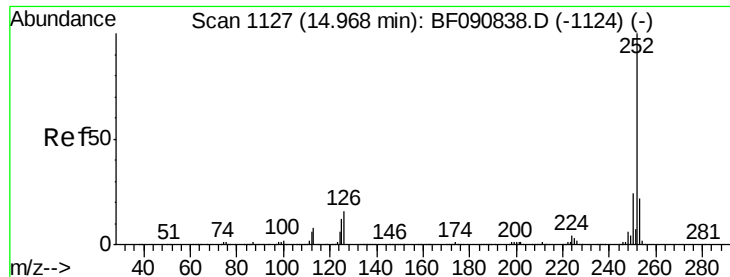
Delta R.T. -0.01 min

Lab File: BF090962.D

Acq: 1 Nov 2016 20:27

Tgt Ion:	264	Resp:	290071
Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	21.9	17.2	25.8

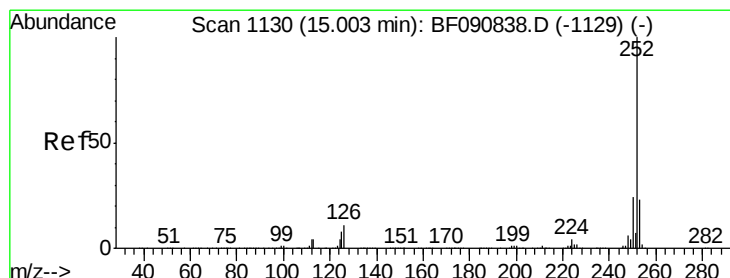
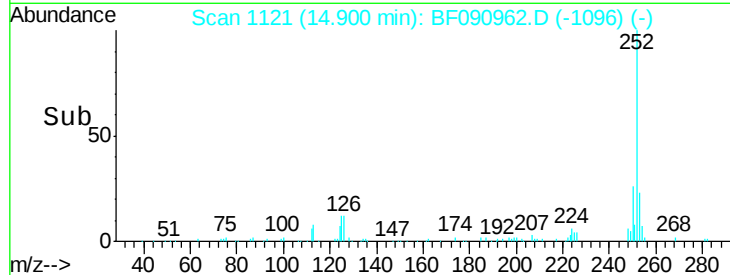
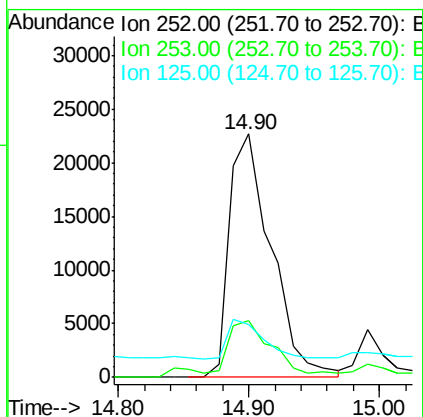
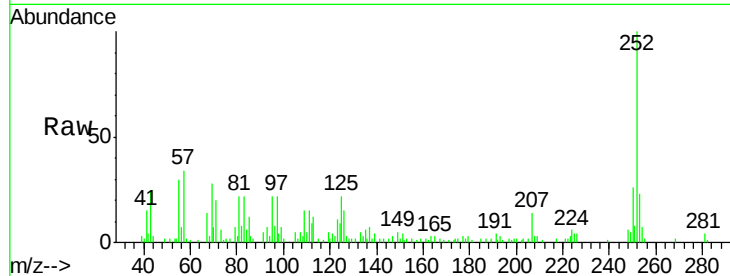




#87
Benzo(b)fluoranthene
Concen: 2.60 ng
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF090962.D
Acq: 1 Nov 2016 20:27

Instrument :
BNA_F
ClientSampleId :
SB-88-0.5-1.0

Tgt Ion:252 Resp: 50679
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 21.6 17.1 25.7



#88
Benzo(k)fluoranthene
Concen: 3.29 ng
RT: 14.90 min Scan# 1121
Delta R.T. -0.03 min
Lab File: BF090962.D
Acq: 1 Nov 2016 20:27

Tgt Ion:252 Resp: 50679
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 21.6 16.0 24.0

