

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012017\
 Data File : BF092388.D
 Acq On : 20 Jan 2017 22:34
 Operator : UM/SJ
 Sample : I1329-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1-0-3FT-COMP

Quant Time: Jan 21 00:06:46 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 22:22:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	108396	20.00	ng	0.00
21) Naphthalene-d8	7.81	136	427396	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	309066	20.00	ng	0.00
63) Phenanthrene-d10	11.03	188	414852	20.00	ng	0.00
75) Chrysene-d12	13.66	240	335242	20.00	ng	0.00
86) Perylene-d12	15.02	264	244643	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	79986	12.32	ng	0.03
7) Phenol-d6	6.19	99	596542	75.26	ng	0.00
23) Nitrobenzene-d5	7.10	82	504199	65.60	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	4613	1.80	ng	0.01
44) 2-Fluorobiphenyl	8.90	172	1225603	80.58	ng	0.00
78) Terphenyl-d14	12.62	244	818431	59.21	ng	0.00

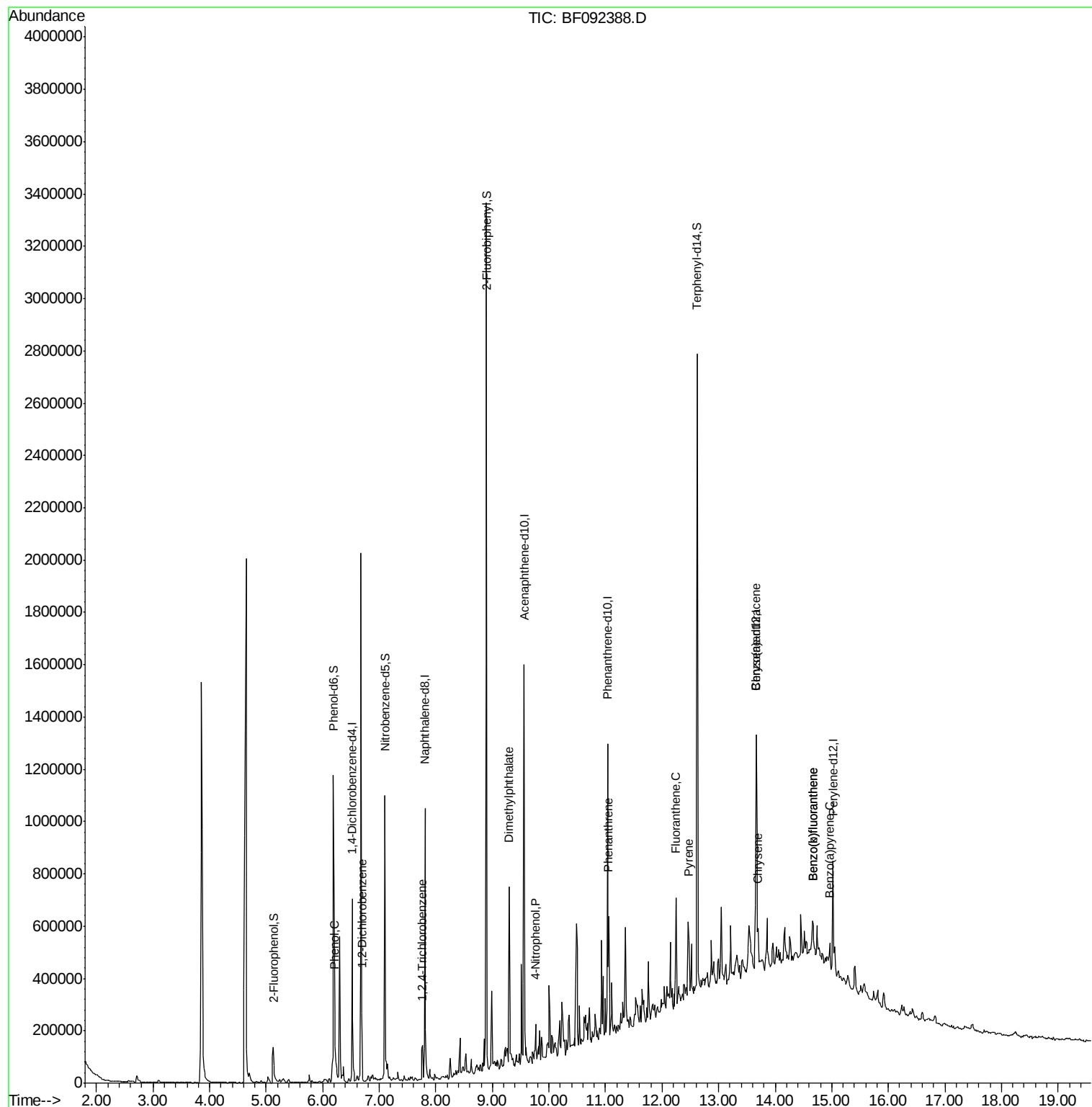
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.04	77	644	Below Cal	#	1
10) Phenol	6.21	94	29390	3.25	ng	87
14) 1,2-Dichlorobenzene	6.69	146	16166	2.32	ng	92
30) 1,2,4-Trichlorobenzene	7.76	180	34591	5.57	ng	97
49) Dimethylphthalate	9.30	163	253381	12.82	ng	99
55) 4-Nitrophenol	9.76	139	7446	2.05	ng	# 33
70) Phenanthrene	11.06	178	156599	6.96	ng	98
73) Di-n-butylphthalate	11.62	149	10832	Below Cal	#	93
74) Fluoranthene	12.24	202	161434	4.76	ng	94
76) Benzidine	12.35	184	1389	Below Cal	#	1
77) Pyrene	12.46	202	168235	6.84	ng	96
80) Benzo(a)anthracene	13.66	228	68769	3.63	ng	97
82) Chrysene	13.70	228	58321	3.07	ng	98
87) Benzo(b)fluoranthene	14.67	252	70560	4.63	ng	# 88
88) Benzo(k)fluoranthene	14.67	252	70560	5.43	ng	# 88
89) Benzo(a)pyrene	14.97	252	37085	2.74	ng	# 84

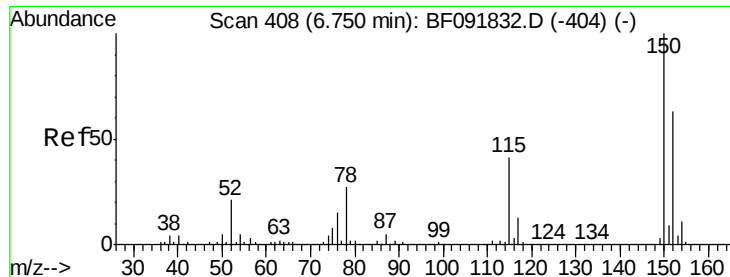
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

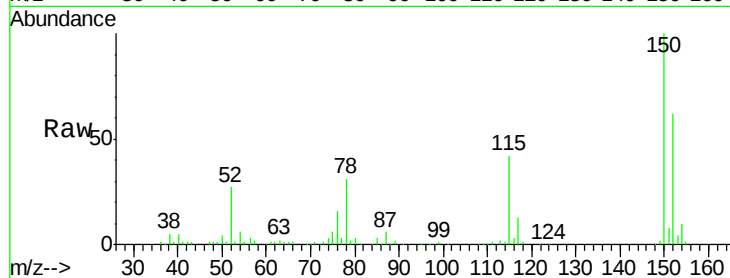
Tgt Ion:152 Resp: 108396

Ion Ratio Lower Upper

152 100

150 161.0 124.9 187.3

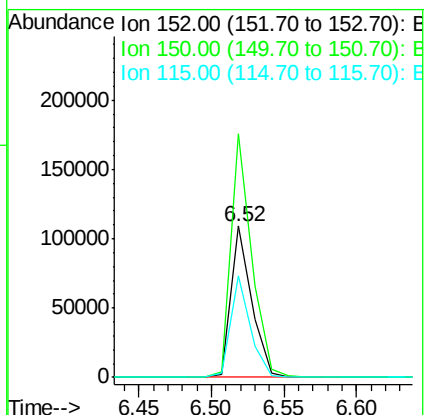
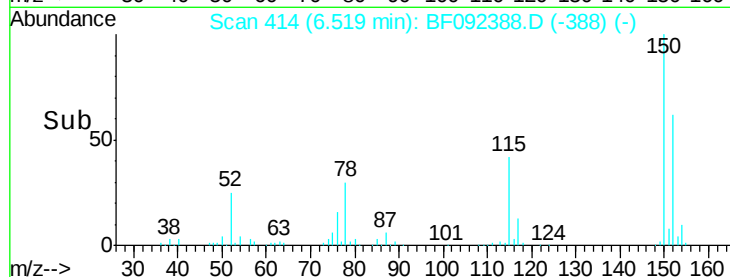
115 67.1 46.0 69.0



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: 12.32 ng

RT: 5.12 min Scan# 292

Delta R.T. 0.03 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

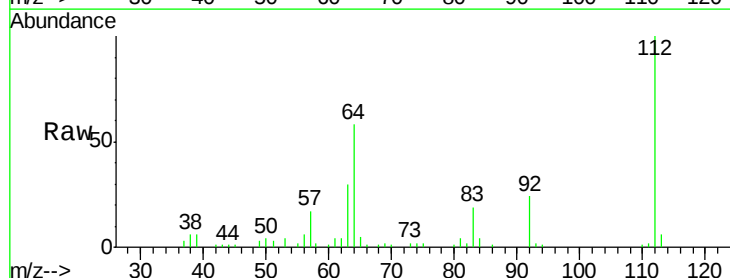
Tgt Ion:112 Resp: 79986

Ion Ratio Lower Upper

112 100

64 58.5 46.1 69.1

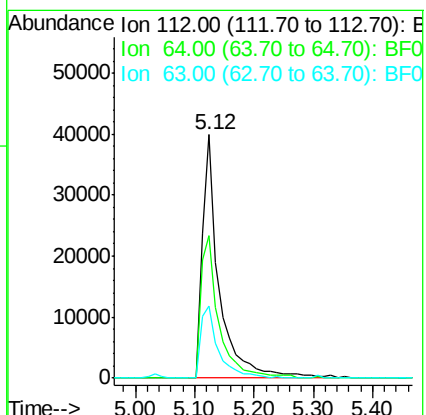
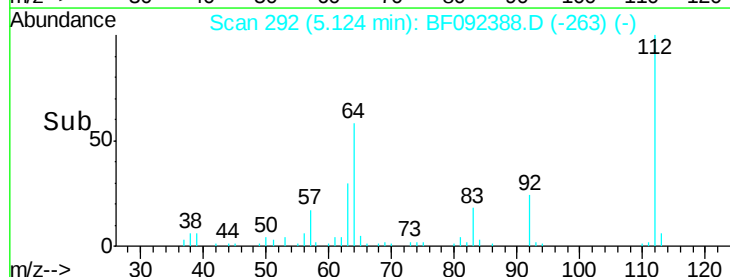
63 29.8 23.8 35.6



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: 75.26 ng

RT: 6.19 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

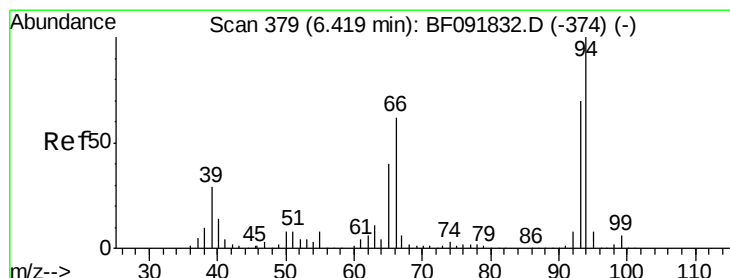
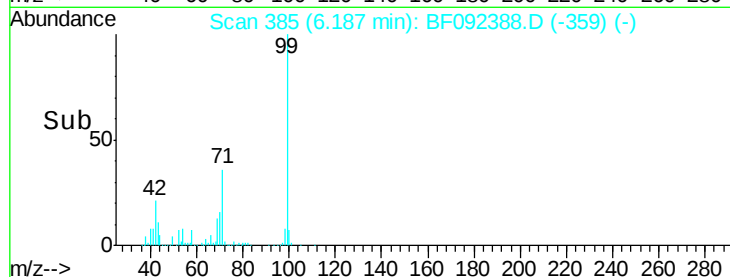
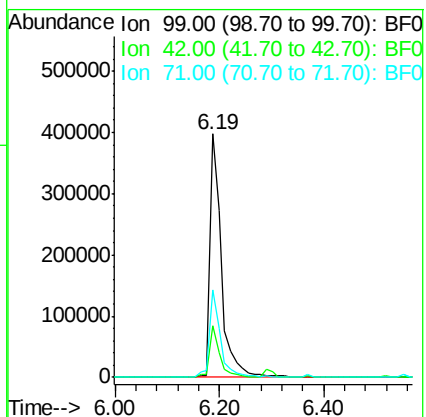
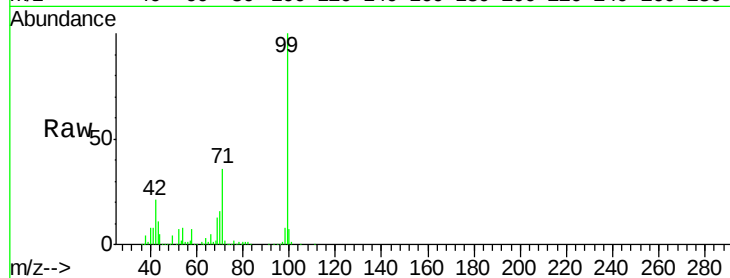
Tgt Ion: 99 Resp: 596542

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

71 35.8 27.5 41.3



#10

Phenol

Concen: 3.25 ng

RT: 6.21 min Scan# 387

Delta R.T. 0.01 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

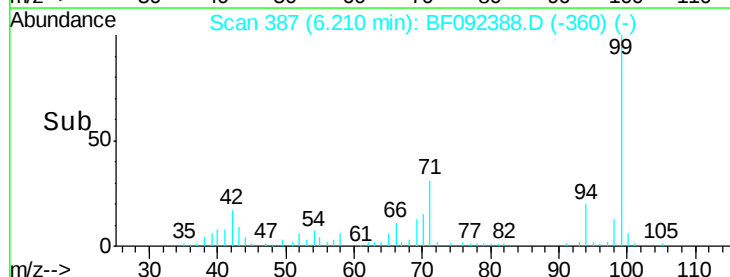
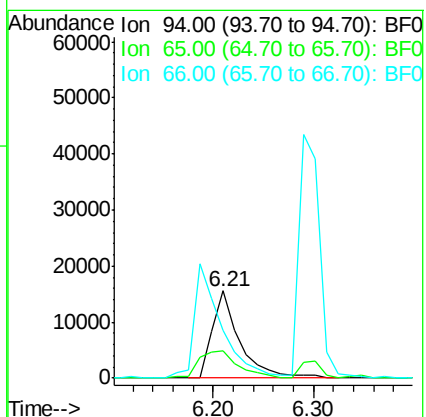
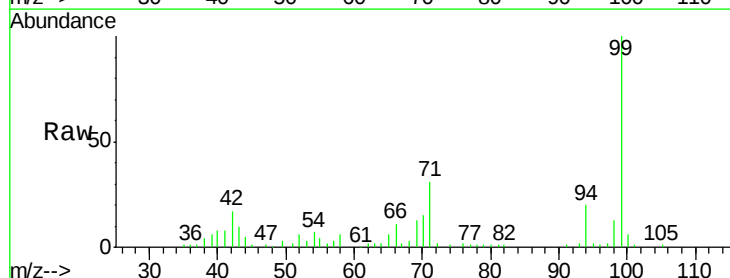
Tgt Ion: 94 Resp: 29390

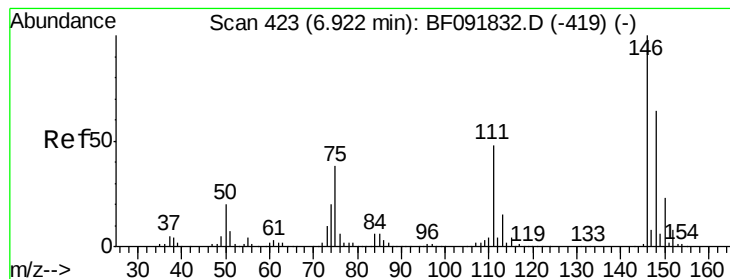
Ion Ratio Lower Upper

94 100

65 31.8 21.4 61.4

66 54.7 44.0 84.0





#14

1,2-Dichlorobenzene

Concen: 2.32 ng

RT: 6.69 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

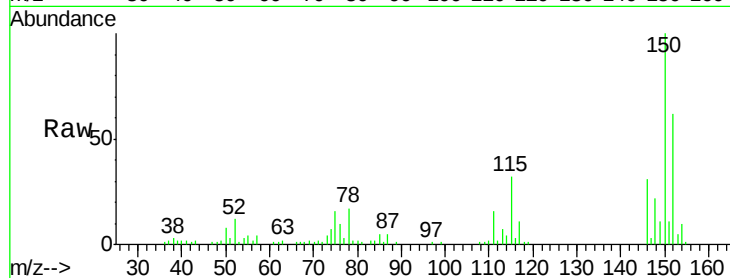
Tgt Ion:146 Resp: 16166

Ion Ratio Lower Upper

146 100

148 70.7 52.2 78.2

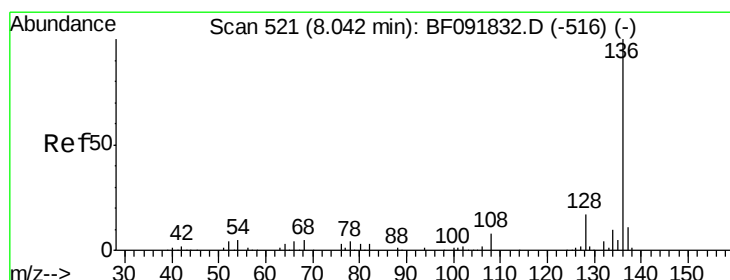
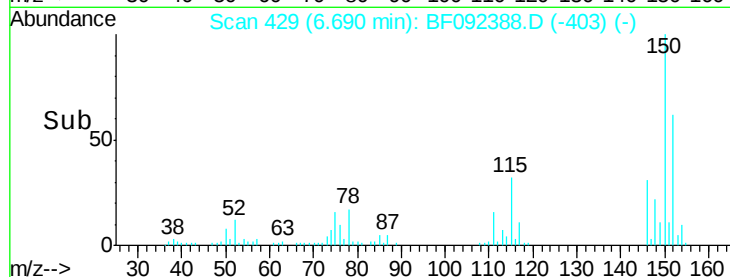
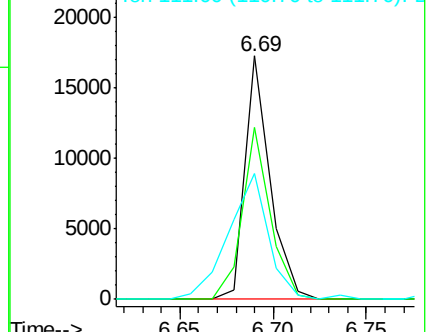
111 51.9 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Tgt Ion:136 Resp: 427396

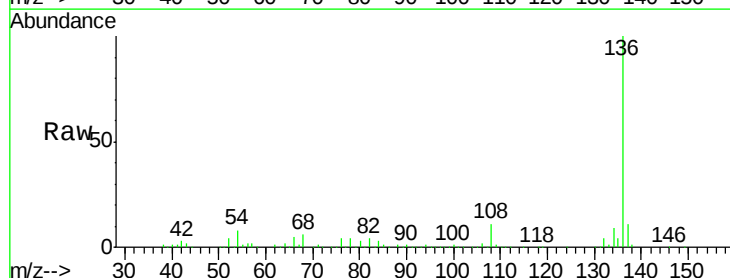
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.0 4.5 6.7#

68 5.8 3.6 5.4#

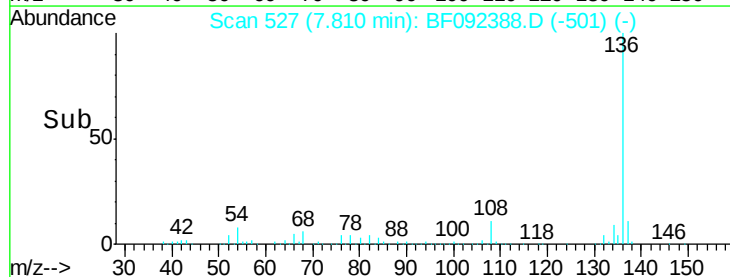
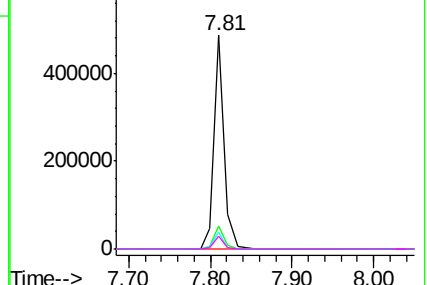


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

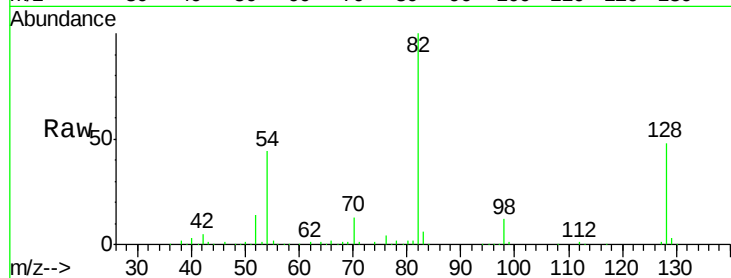




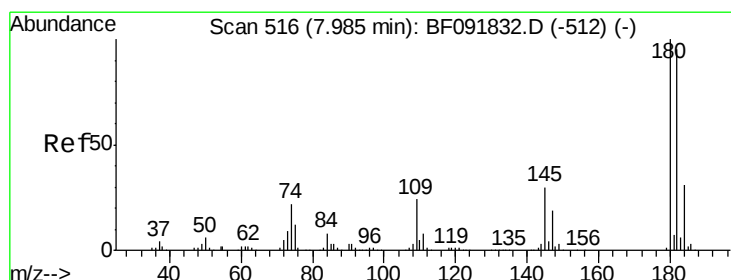
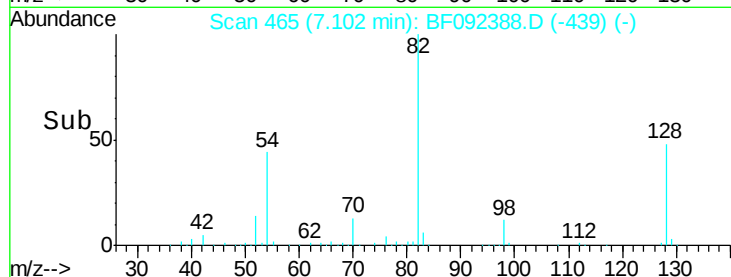
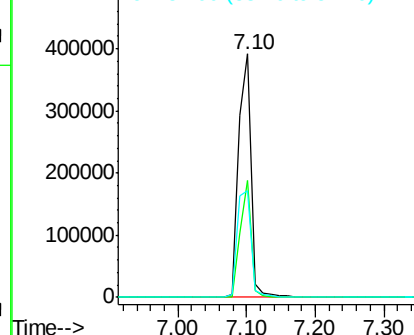
#23
 Nitrobenzene-d5
 Concen: 65.60 ng
 RT: 7.10 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF092388.D
 Acq: 20 Jan 2017 22:34

Instrument :
 BNA_F
 ClientSampleId :
 S1-0-3FT-COMP

Tgt Ion: 82 Resp: 504199
 Ion Ratio Lower Upper
 82 100
 128 48.3 34.6 52.0
 54 44.0 39.5 59.3

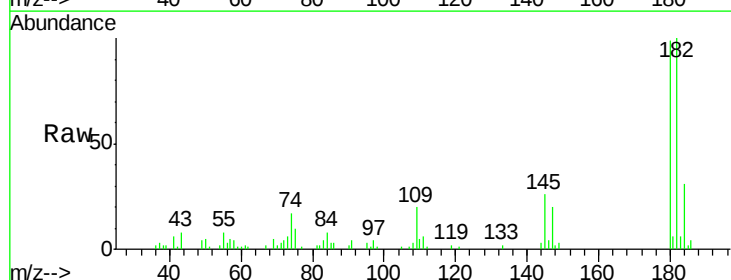


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

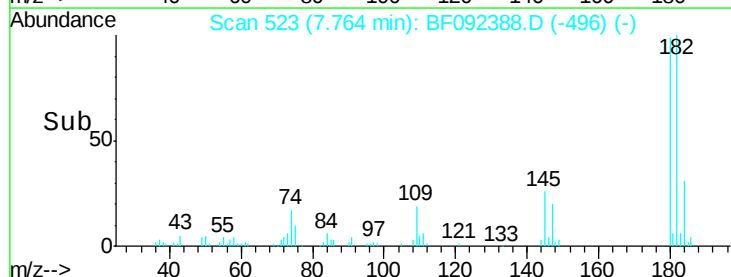
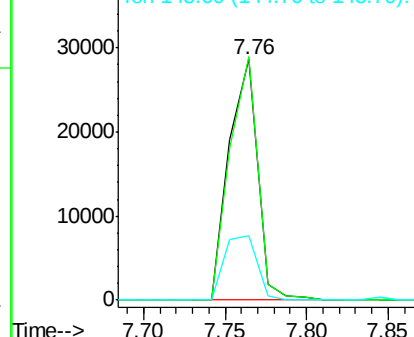


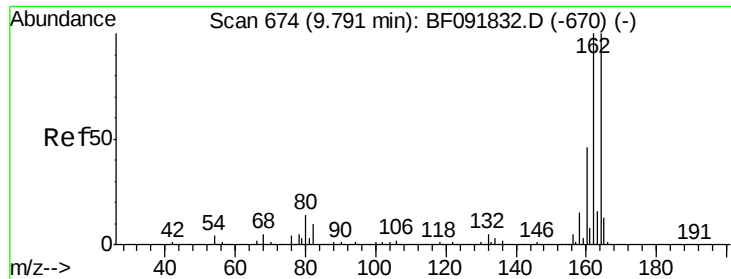
#30
 1,2,4-Trichlorobenzene
 Concen: 5.57 ng
 RT: 7.76 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: BF092388.D
 Acq: 20 Jan 2017 22:34

Tgt Ion: 180 Resp: 34591
 Ion Ratio Lower Upper
 180 100
 182 101.2 78.2 117.4
 145 26.7 21.6 32.4



Abundance Ion 180.00 (179.70 to 180.70): B
 Ion 182.00 (181.70 to 182.70): B
 Ion 145.00 (144.70 to 145.70): B





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

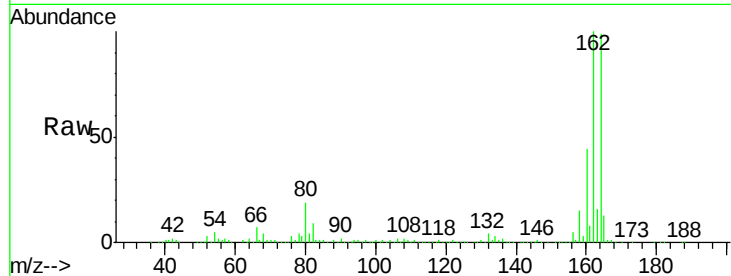
Tgt Ion:164 Resp: 309066

Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

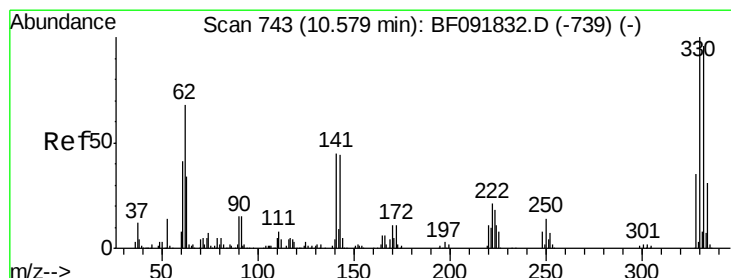
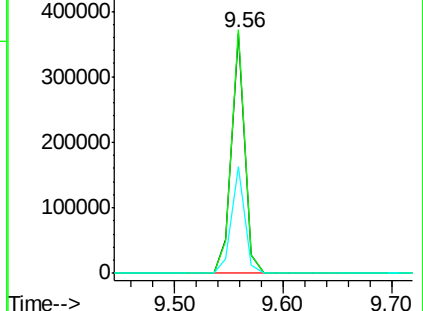
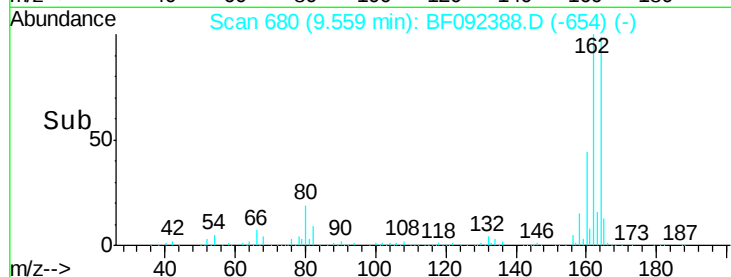
160 44.2 36.9 55.3



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: 1.80 ng

RT: 10.36 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

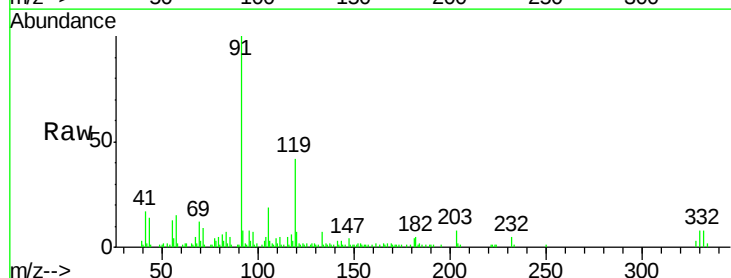
Tgt Ion:330 Resp: 4613

Ion Ratio Lower Upper

330 100

332 102.9 77.4 116.2

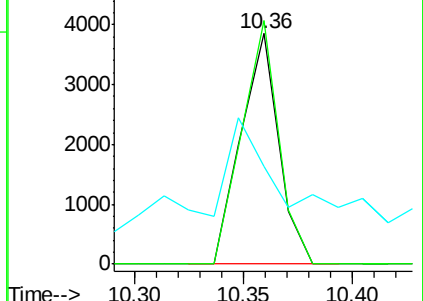
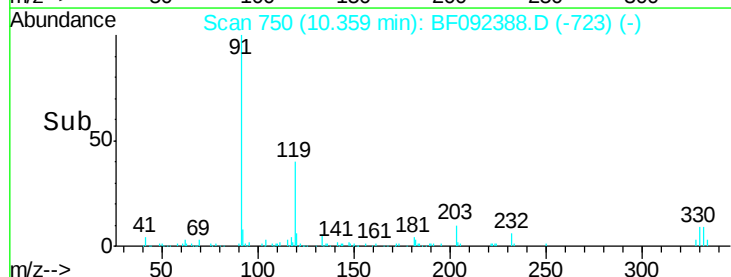
141 99.7 34.1 51.1#

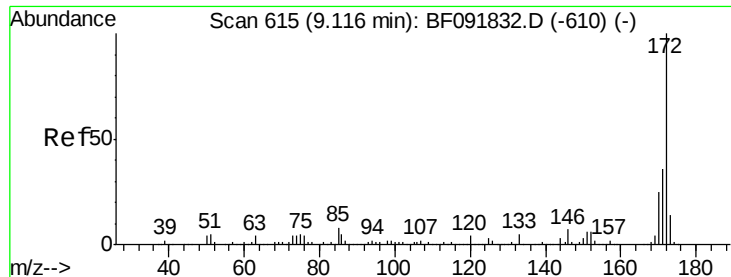


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

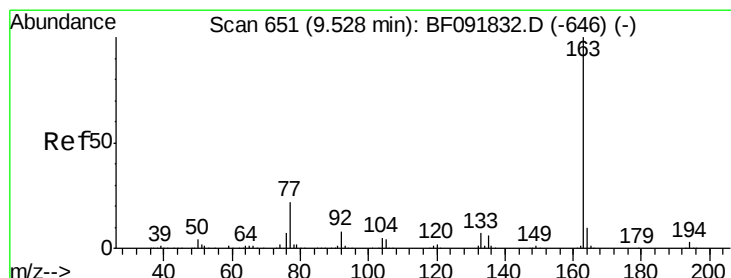
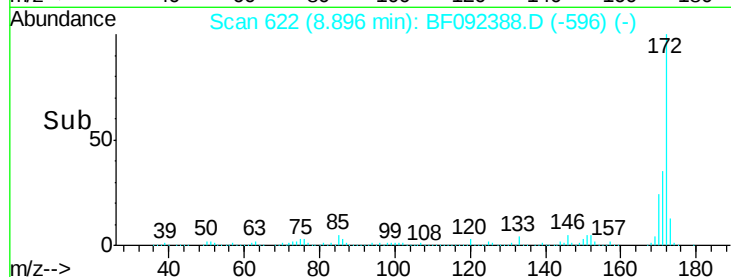
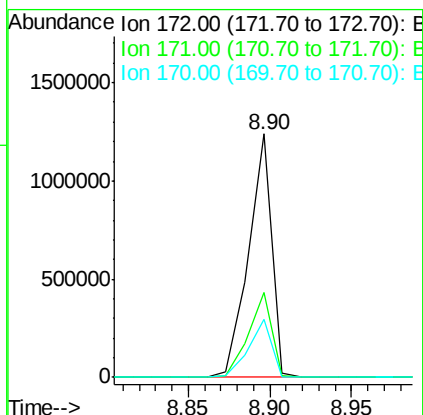
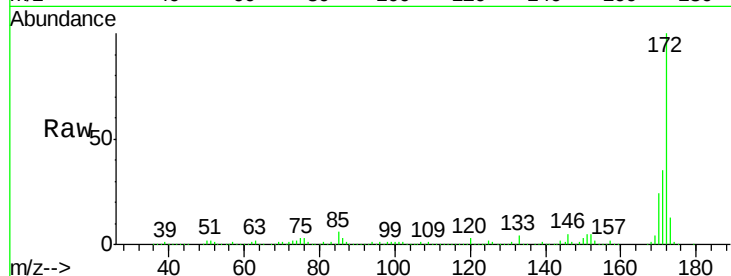




#44
 2-Fluorobiphenyl
 Concen: 80.58 ng
 RT: 8.90 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF092388.D
 Acq: 20 Jan 2017 22:34

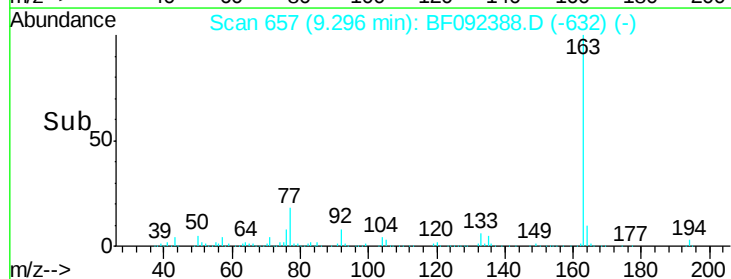
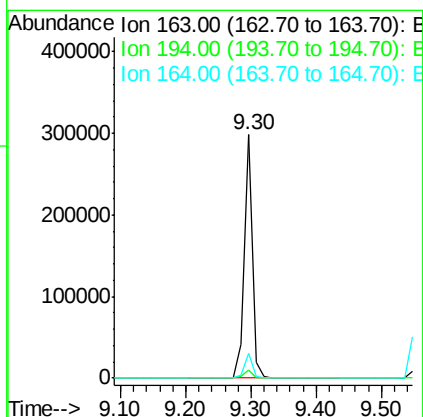
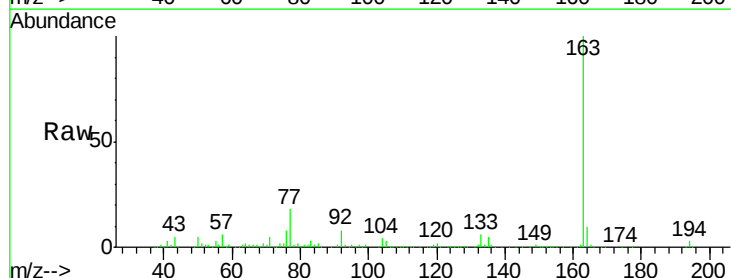
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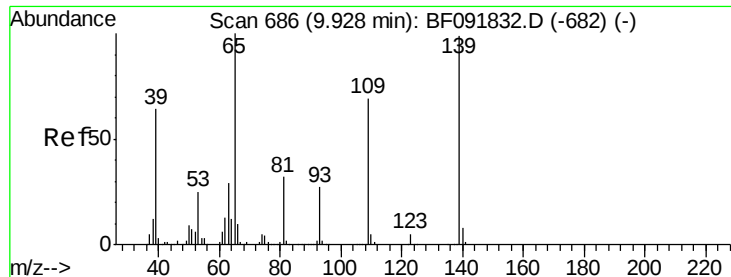
Tgt Ion:172 Resp: 1225603
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.4 44.0
 170 23.6 20.2 30.4



#49
 Dimethylphthalate
 Concen: 12.82 ng
 RT: 9.30 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF092388.D
 Acq: 20 Jan 2017 22:34

Tgt Ion:163 Resp: 253381
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.4
 164 9.9 8.0 12.0





#55

4-Nitrophenol

Concen: 2.05 ng

RT: 9.76 min Scan# 698

Delta R.T. 0.03 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

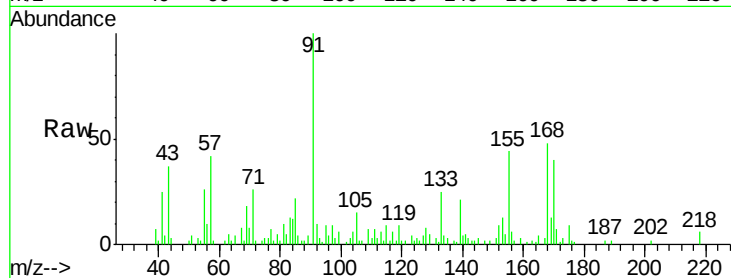
Tgt Ion:139 Resp: 7446

Ion Ratio Lower Upper

139 100

109 34.4 52.2 92.2#

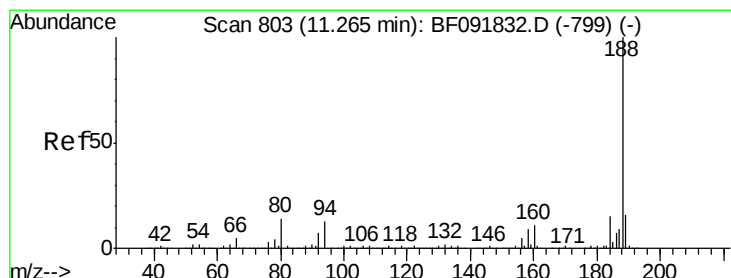
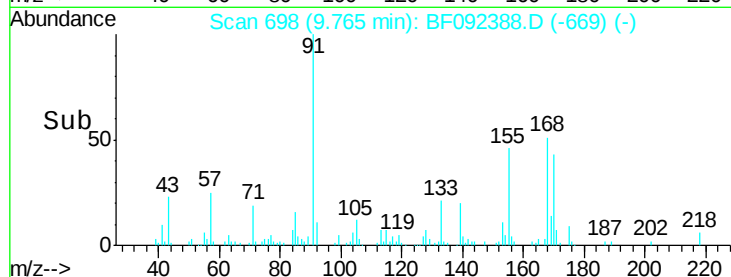
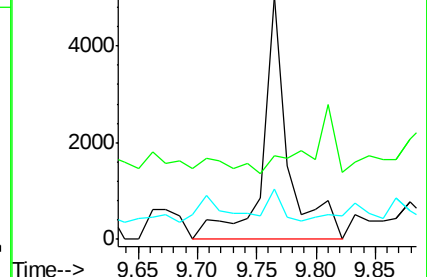
65 20.8 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

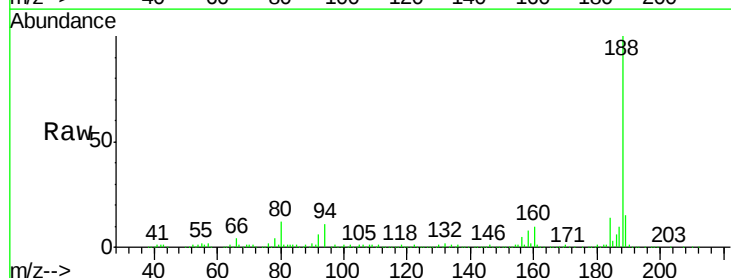
Tgt Ion:188 Resp: 414852

Ion Ratio Lower Upper

188 100

94 11.3 10.0 15.0

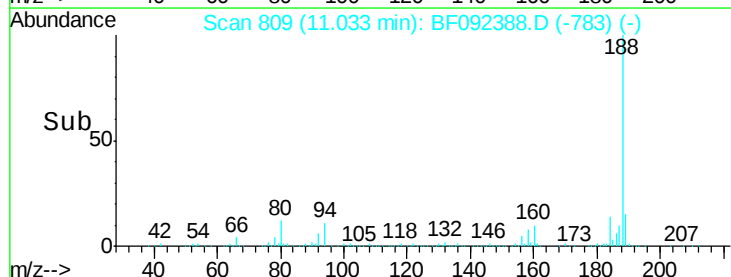
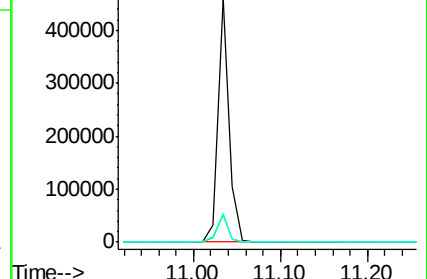
80 11.9 11.2 16.8

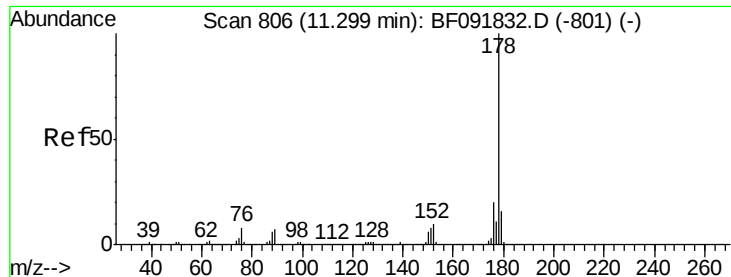


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

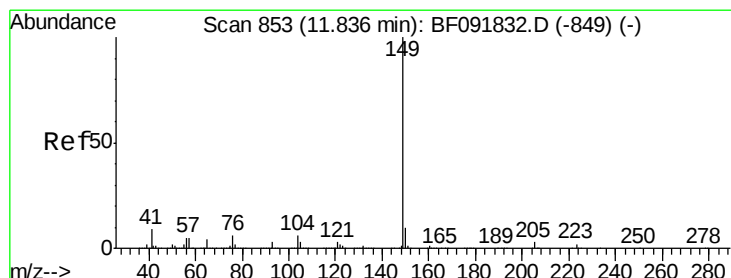
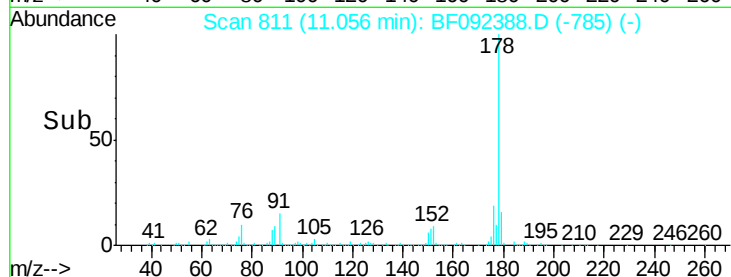
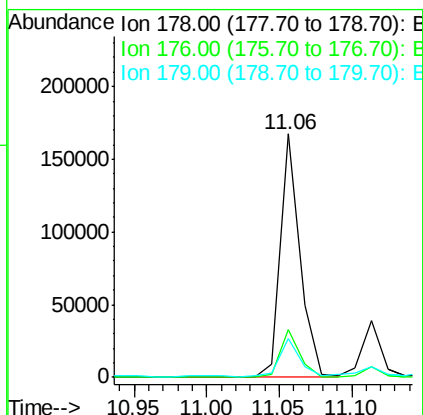
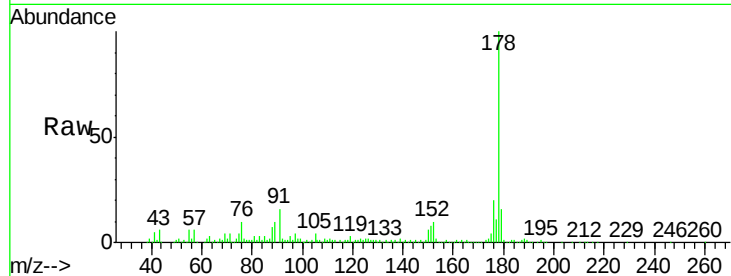




#70
Phenanthrene
Concen: 6.96 ng
RT: 11.06 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF092388.D
Acq: 20 Jan 2017 22:34

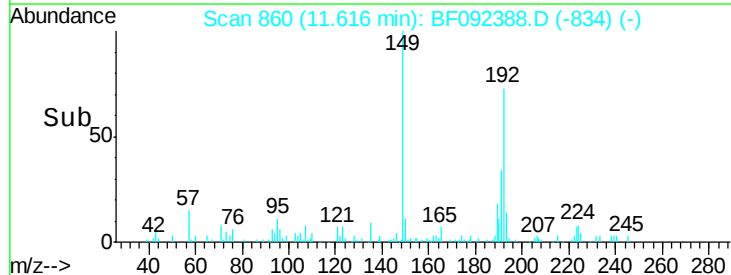
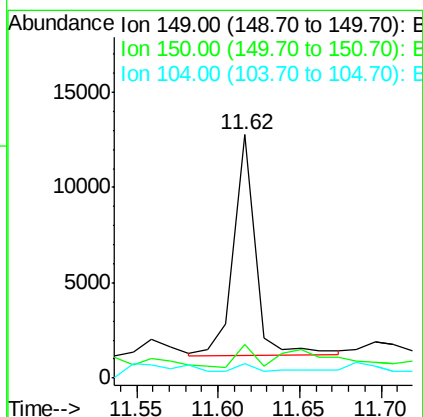
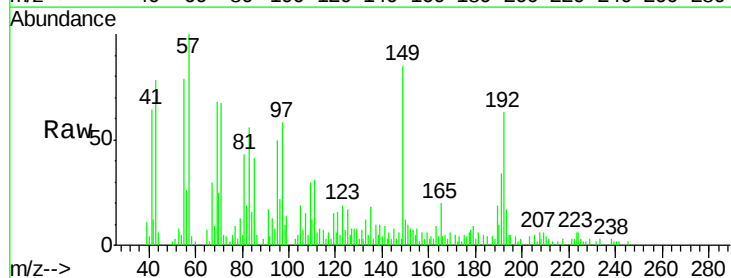
Instrument :
BNA_F
ClientSampleId :
S1-0-3FT-COMP

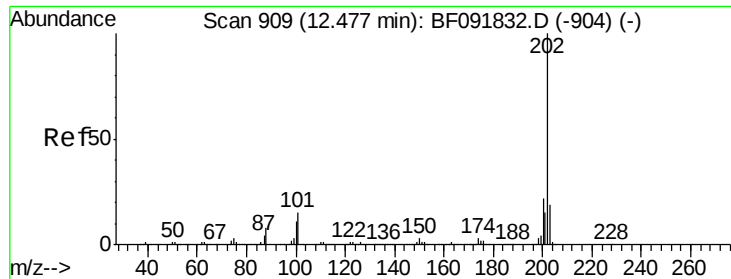
Tgt Ion:178 Resp: 156599
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 16.1 12.8 19.2



#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.62 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF092388.D
Acq: 20 Jan 2017 22:34

Tgt Ion:149 Resp: 10832
Ion Ratio Lower Upper
149 100
150 14.1 8.1 12.1#
104 6.1 4.6 7.0





#74

Fluoranthene

Concen: 4.76 ng

RT: 12.24 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

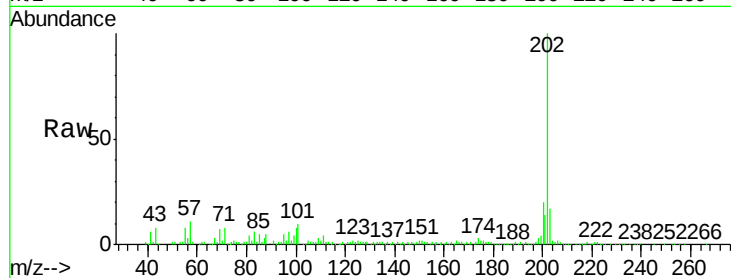
Tgt Ion:202 Resp: 161434

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.6

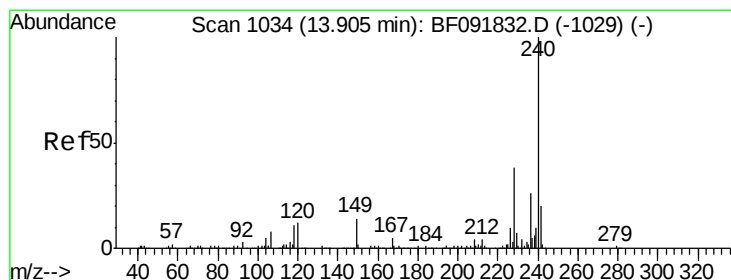
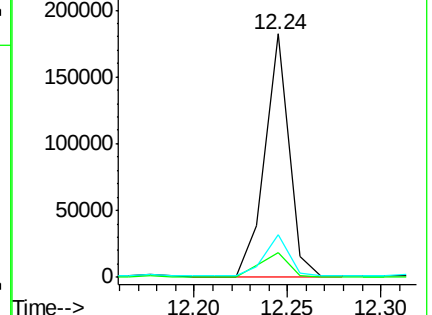
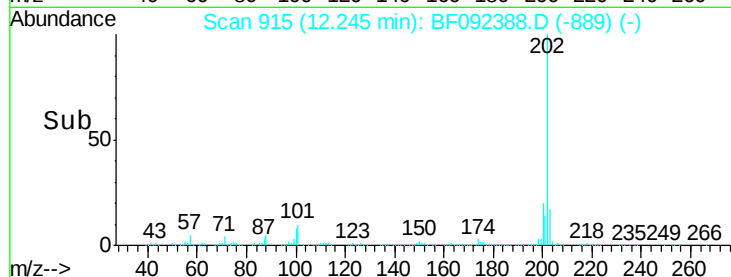
203 17.5 0.0 38.7



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: 13.66 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

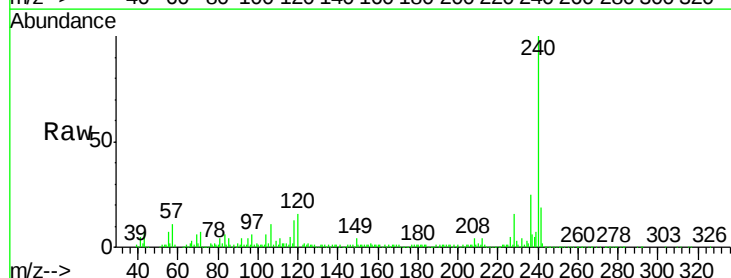
Tgt Ion:240 Resp: 335242

Ion Ratio Lower Upper

240 100

120 15.6 12.9 19.3

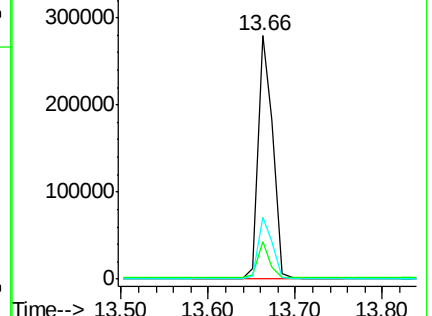
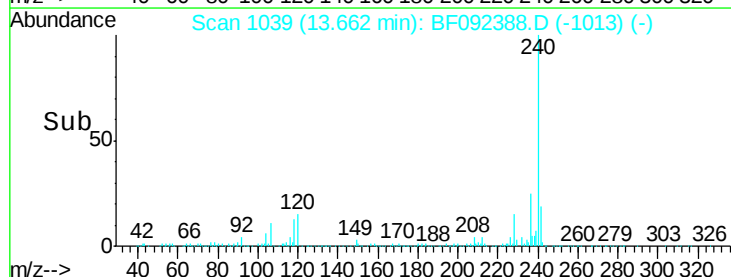
236 25.3 20.9 31.3

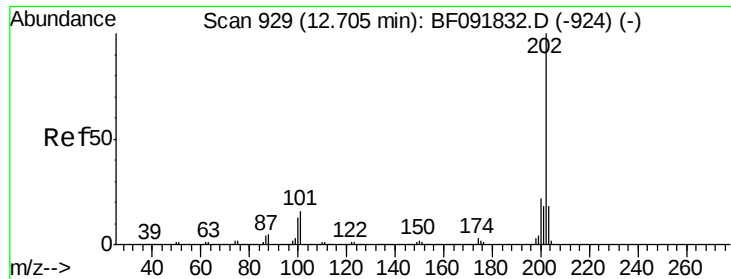


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.84 ng

RT: 12.46 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

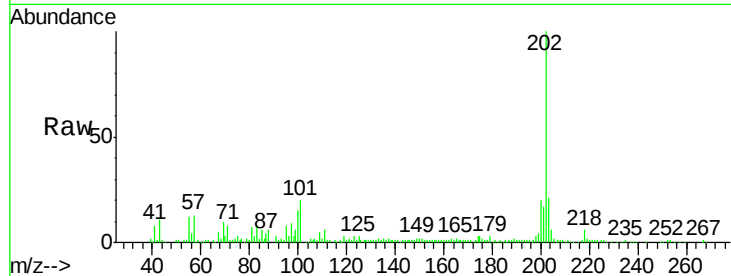
Tgt Ion: 202 Resp: 168235

Ion Ratio Lower Upper

202 100

200 20.2 17.7 26.5

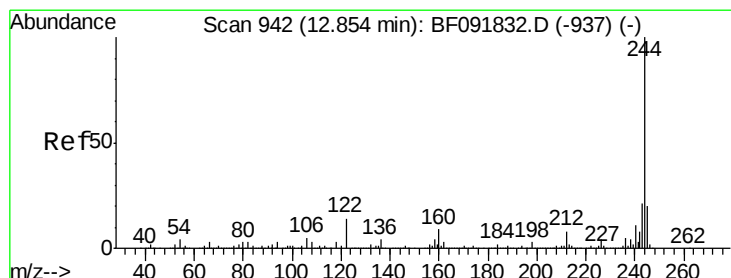
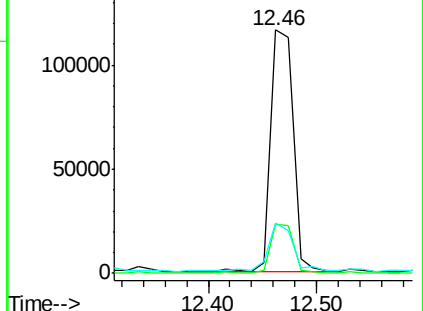
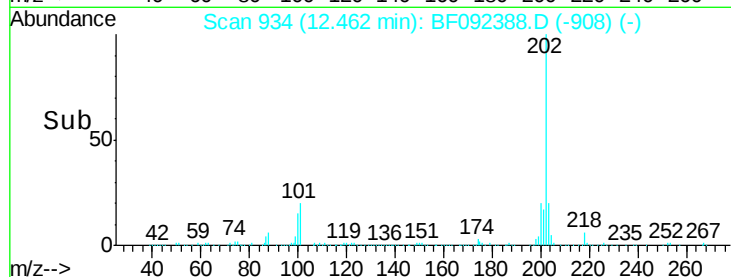
203 20.7 14.7 22.1



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: 59.21 ng

RT: 12.62 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

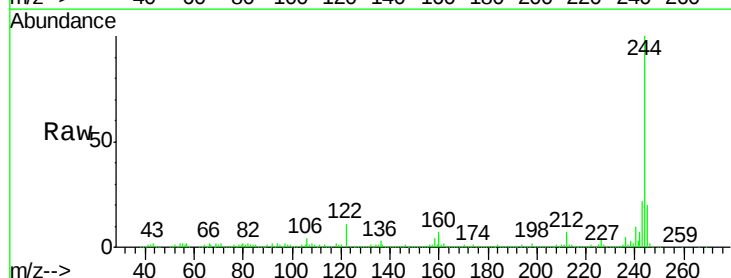
Tgt Ion: 244 Resp: 818431

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

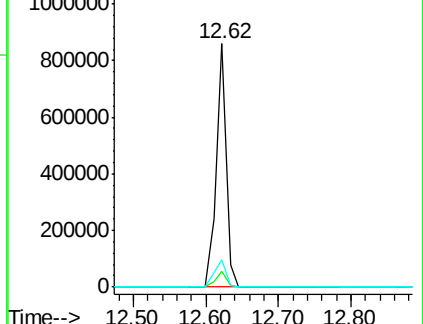
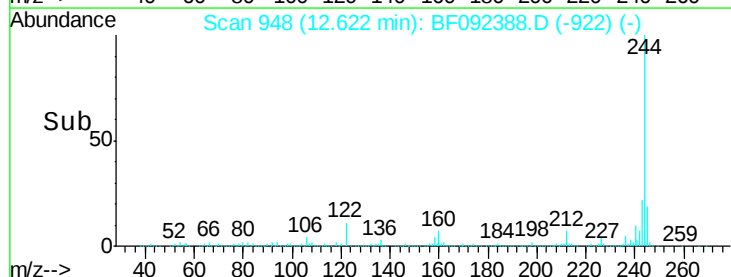
122 11.4 11.4 17.2#

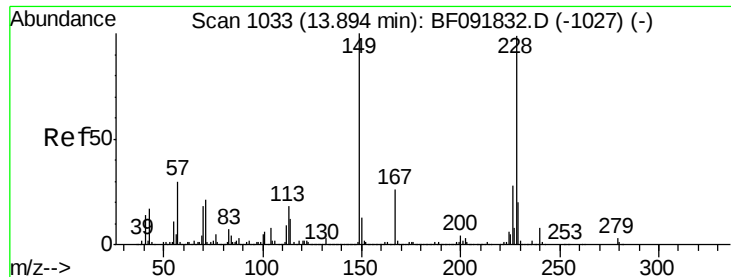


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.63 ng

RT: 13.66 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

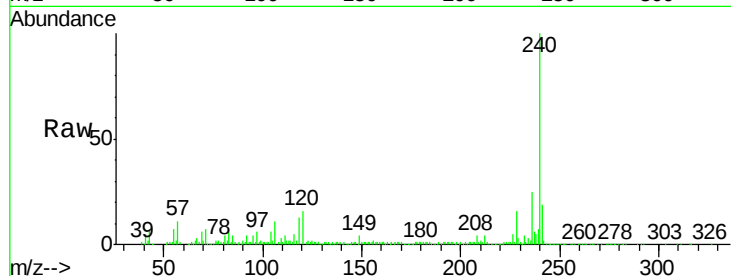
Tgt Ion:228 Resp: 68769

Ion Ratio Lower Upper

228 100

226 29.9 22.4 33.6

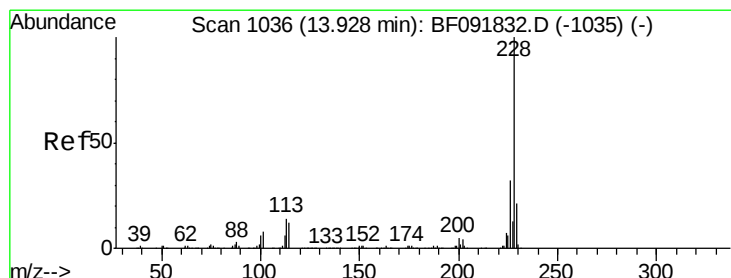
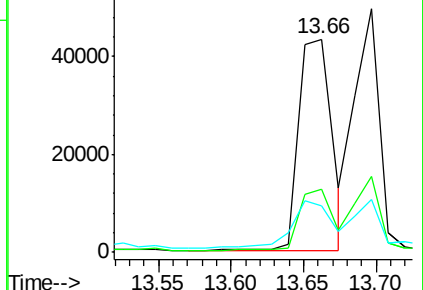
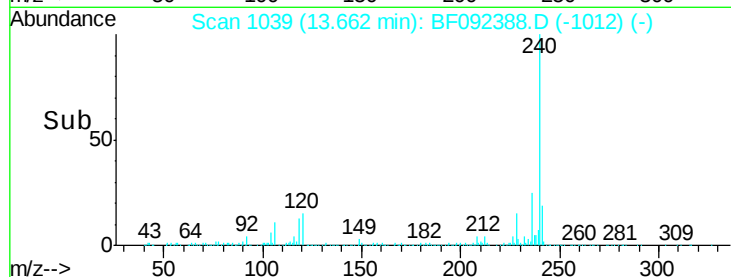
229 21.8 16.2 24.4



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: 3.07 ng

RT: 13.70 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

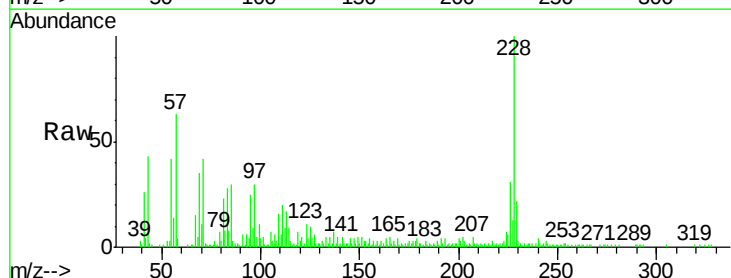
Tgt Ion:228 Resp: 58321

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

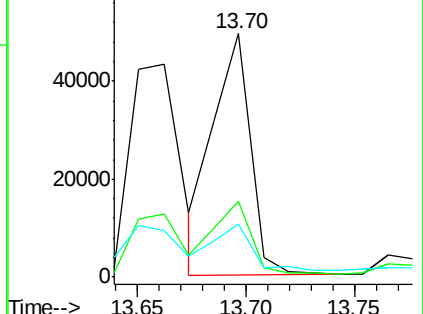
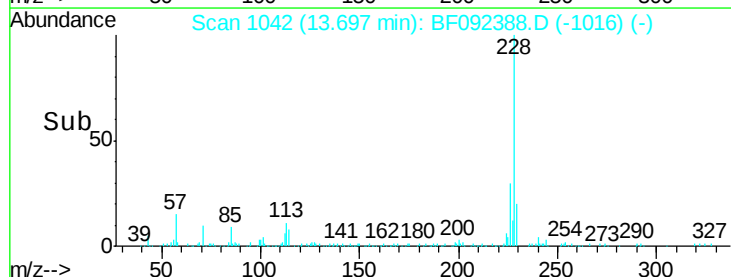
229 21.9 16.2 24.2

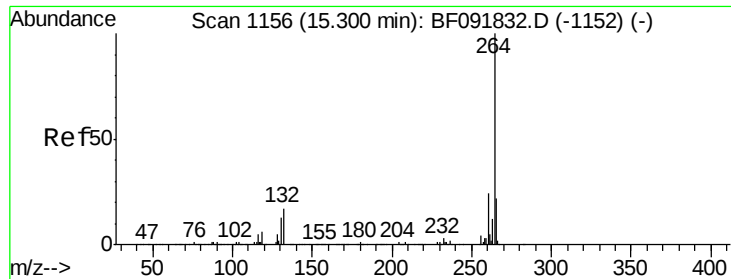


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.02 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

Instrument :

BNA_F

ClientSampleId :

S1-0-3FT-COMP

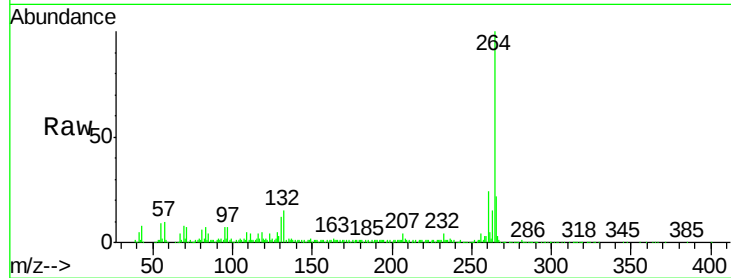
Tgt Ion:264 Resp: 244643

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

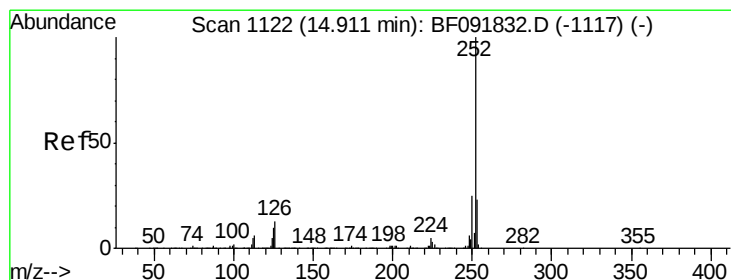
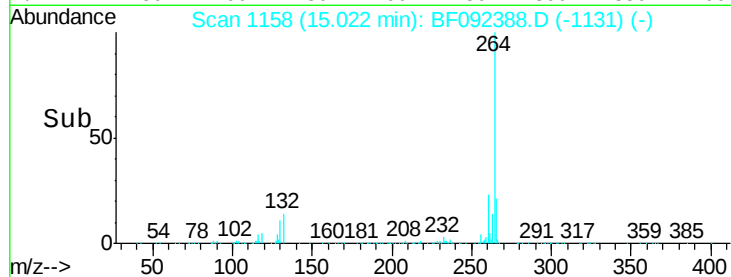
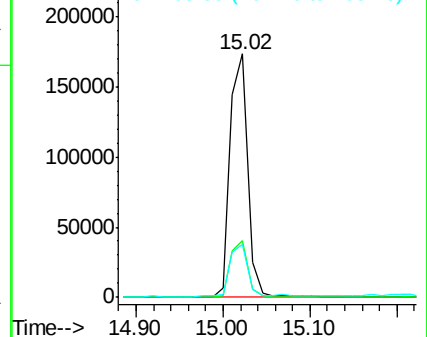
265 21.7 17.4 26.0



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: 4.63 ng

RT: 14.67 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF092388.D

Acq: 20 Jan 2017 22:34

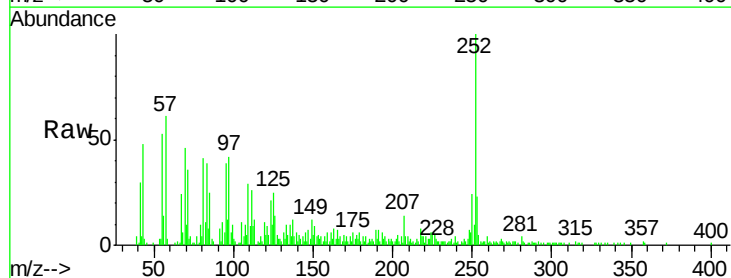
Tgt Ion:252 Resp: 70560

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

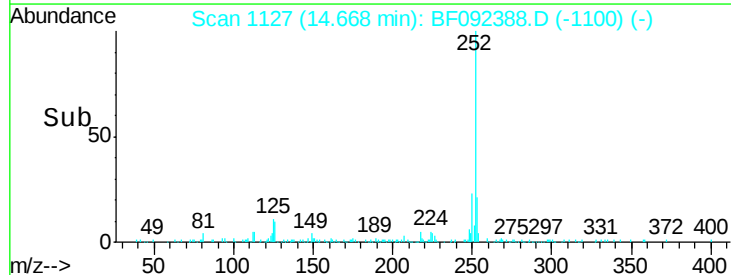
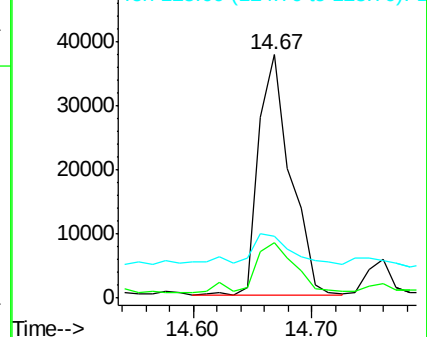
125 25.3 9.8 14.6#

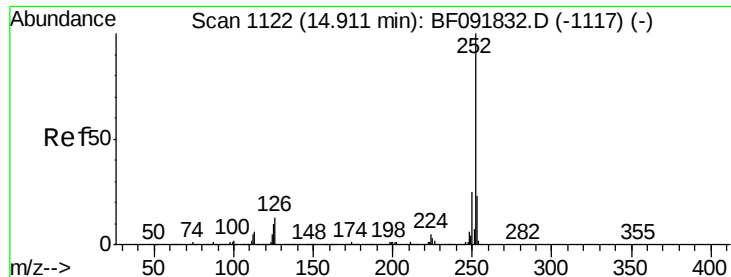


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

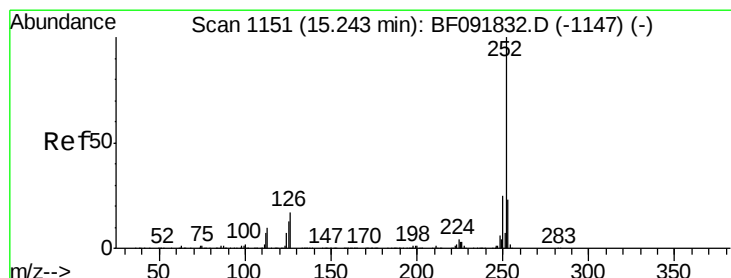
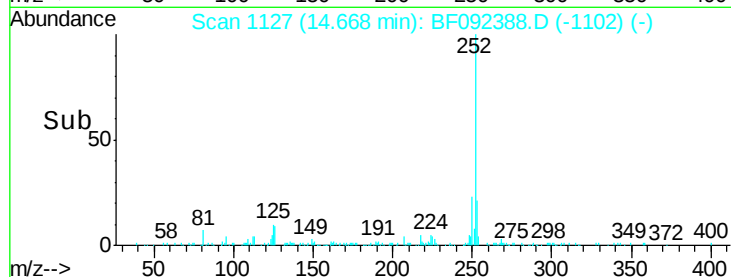
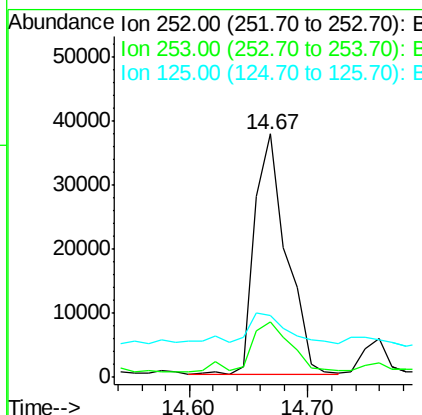
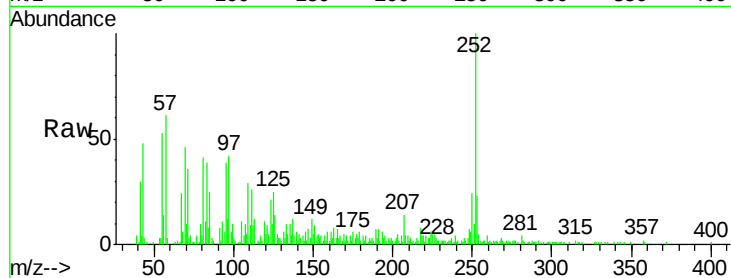




#88
Benzo(k)fluoranthene
Concen: 5.43 ng
RT: 14.67 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF092388.D
Acq: 20 Jan 2017 22:34

Instrument :
BNA_F
ClientSampleId :
S1-0-3FT-COMP

Tgt Ion:252 Resp: 70560
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 25.3 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 2.74 ng
RT: 14.97 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF092388.D
Acq: 20 Jan 2017 22:34

Tgt Ion:252 Resp: 37085
Ion Ratio Lower Upper
252 100
253 25.2 18.2 27.2
125 26.6 10.0 15.0#

