

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
 Data File : BF091930.D
 Acq On : 23 Dec 2016 18:11
 Operator : UM/SJ
 Sample : H6238-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-002-COMP

Quant Time: Dec 26 10:20:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

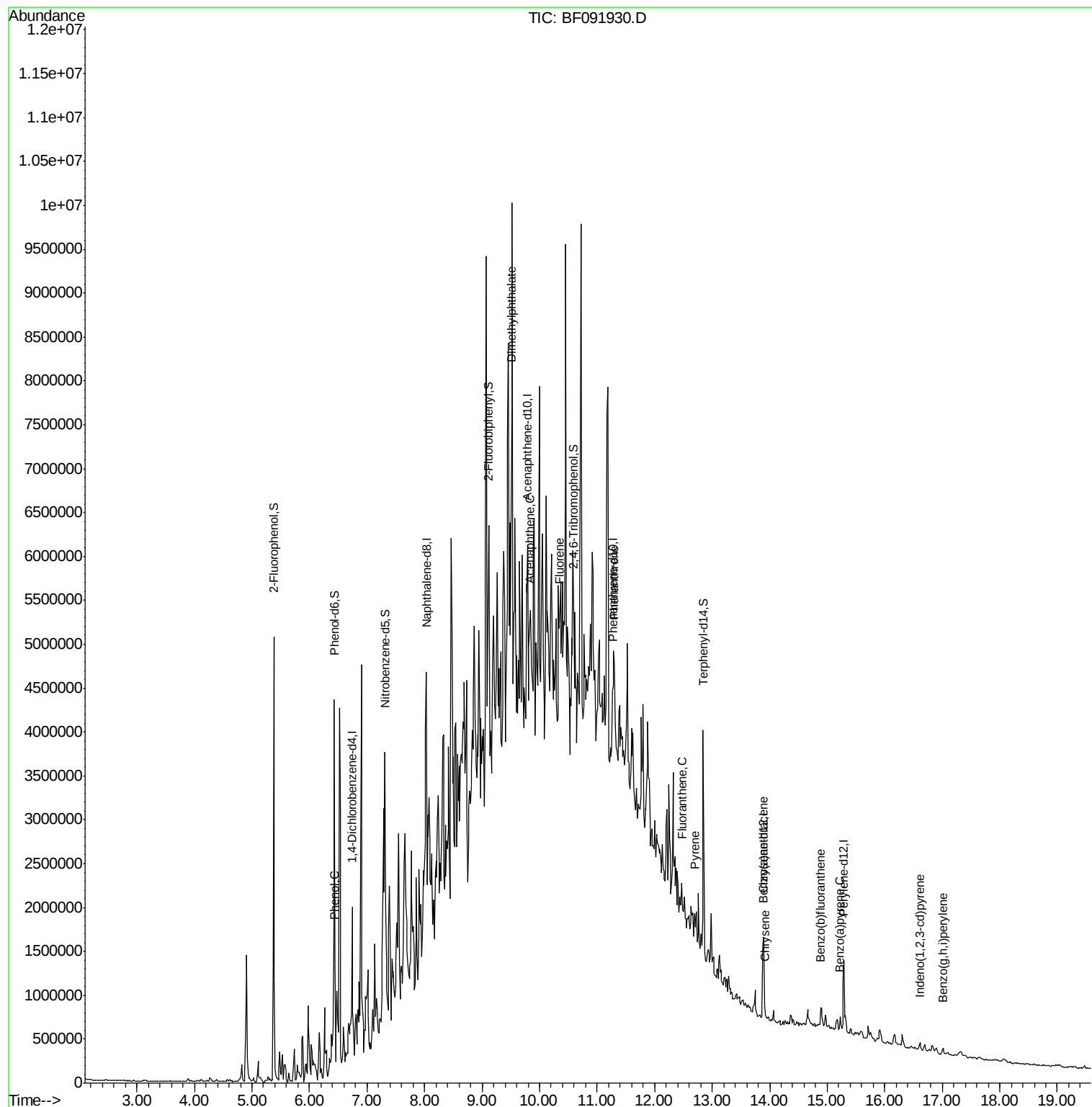
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	205879	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	770227	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	359258	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	526446	20.00	ng	0.01
75) Chrysene-d12	13.89	240	436754	20.00	ng	-0.01
86) Perylene-d12	15.29	264	422860	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1463618	118.70	ng	0.03
7) Phenol-d6	6.43	99	1615524	107.32	ng	0.02
23) Nitrobenzene-d5	7.31	82	1069619	77.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	314824	105.89	ng	0.01
44) 2-Fluorobiphenyl	9.12	172	1393107	78.46	ng	0.00
78) Terphenyl-d14	12.84	244	959113	53.26	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.44	94	86784	5.06	ng	88
49) Dimethylphthalate	9.52	163	335599	14.61	ng	# 96
51) Acenaphthene	9.82	154	112954	5.56	ng	# 62
57) Fluorene	10.34	166	224986	11.27	ng	# 85
70) Phenanthrene	11.30	178	646709	22.66	ng	# 93
74) Fluoranthene	12.48	202	147587m	2.26	ng	
77) Pyrene	12.69	202	235676m	7.35	ng	
80) Benzo(a)anthracene	13.88	228	61013	2.47	ng	# 80
82) Chrysene	13.92	228	62244	2.52	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.61	276	61365	2.86	ng	96
87) Benzo(b)fluoranthene	14.89	252	133574m	5.07	ng	
89) Benzo(a)pyrene	15.22	252	76968	3.29	ng	# 87
91) Benzo(a,h,i)perylene	17.01	276	57151	2.86	ng	95

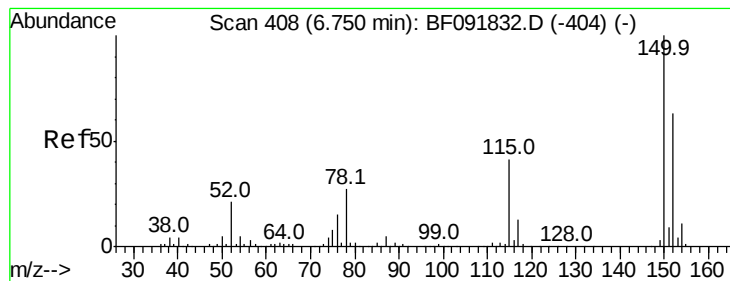
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091930.D

Acq: 23 Dec 2016 18:11

Instrument :

BNA_F

ClientSampleId :

PIT-002-COMP

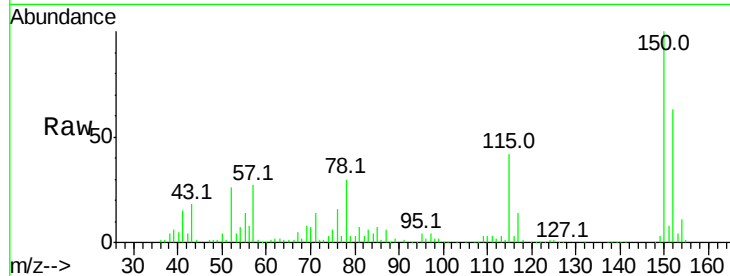
Tot Ion:152 Resp: 205879

Ion Ratio Lower Upper

152 100

150 159.9 124.9 187.3

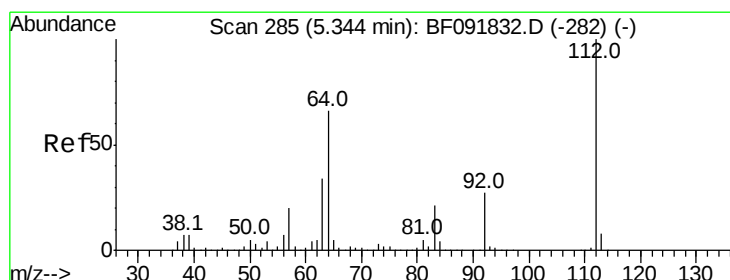
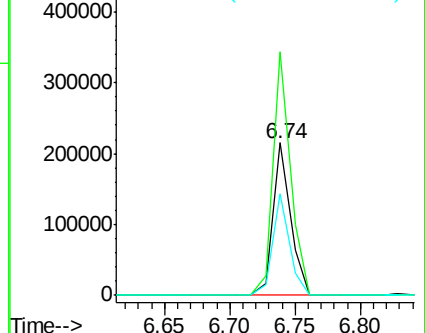
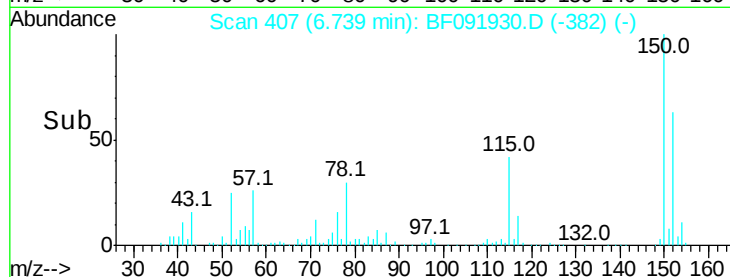
115 67.0 46.0 69.0



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: 118.70 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.03 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

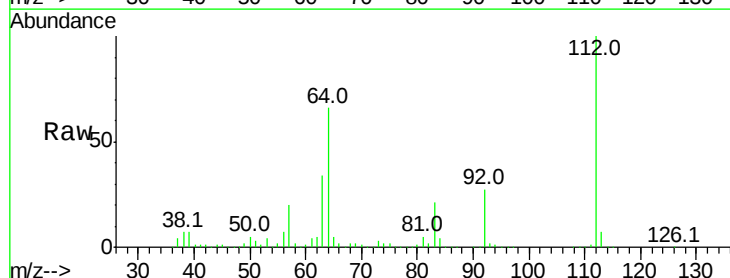
Tgt Ion:112 Resp: 1463618

Ion Ratio Lower Upper

112 100

64 65.6 46.1 69.1

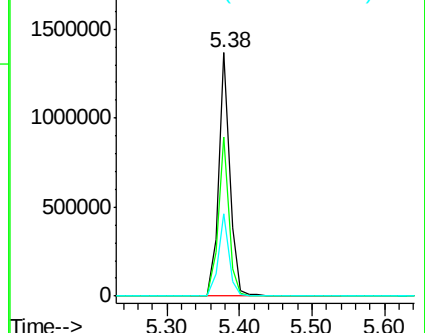
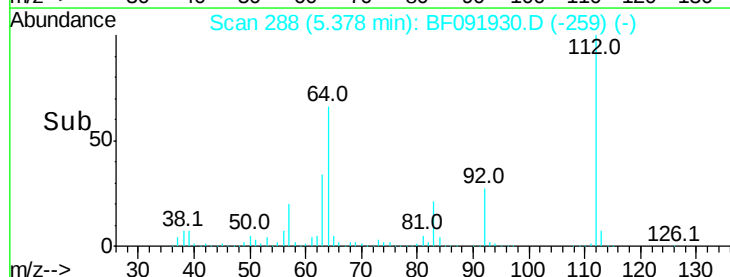
63 33.6 23.8 35.6

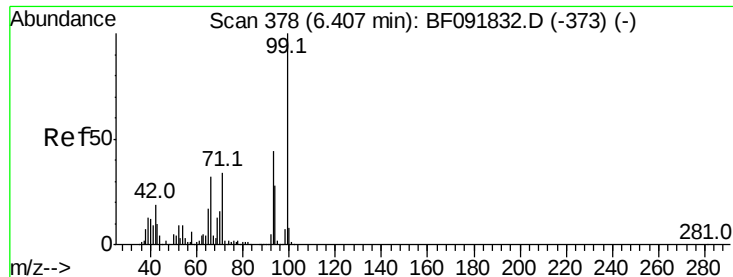


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.32 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

Instrument :

BNA_F

ClientSampleId :

PIT-002-COMP

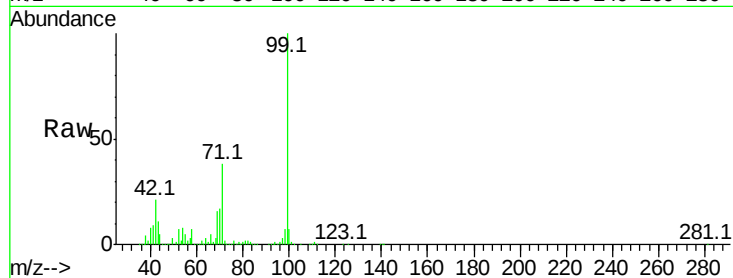
Tot Ion: 99 Resp: 1615524

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

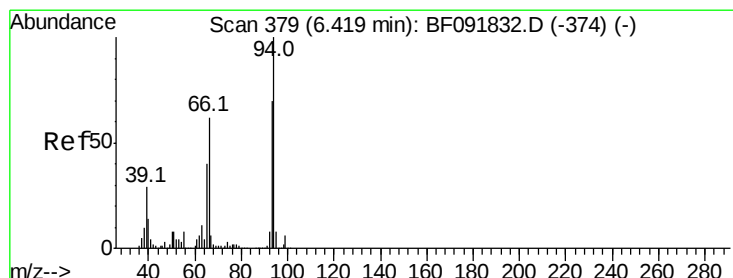
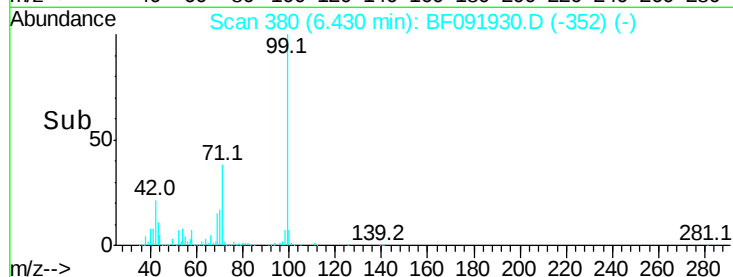
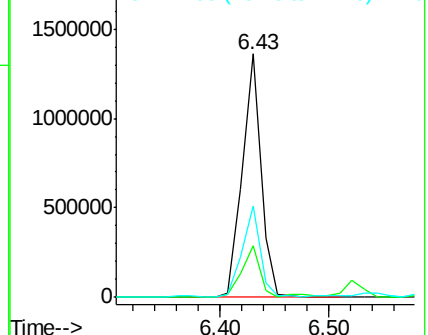
71 37.7 27.5 41.3



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: 5.06 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.02 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

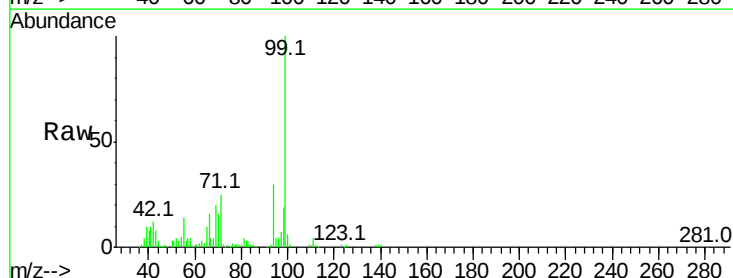
Tgt Ion: 94 Resp: 86784

Ion Ratio Lower Upper

94 100

65 34.6 21.4 61.4

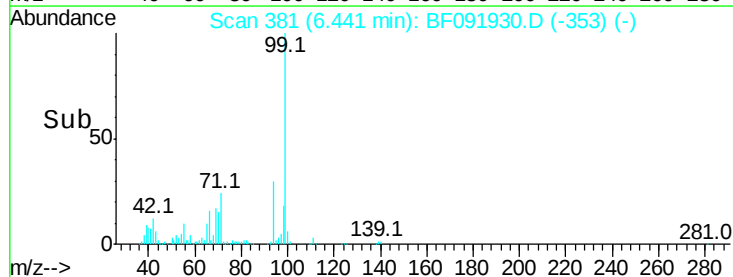
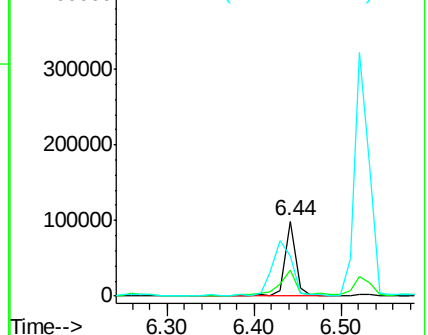
66 53.5 44.0 84.0

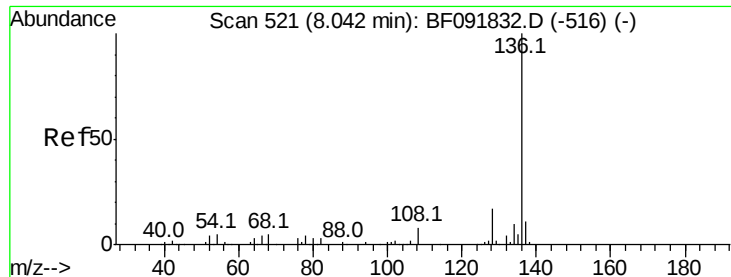


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

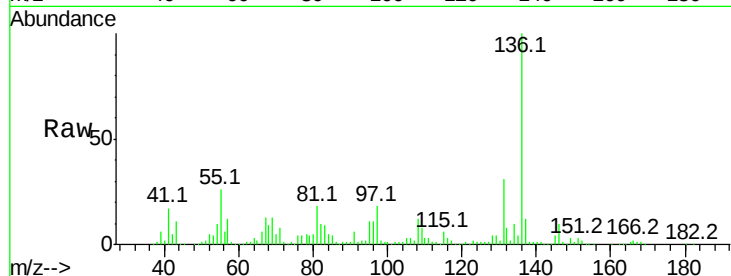




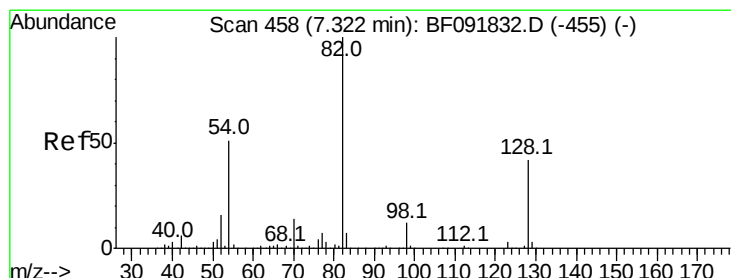
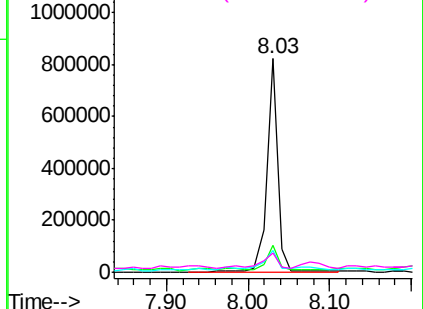
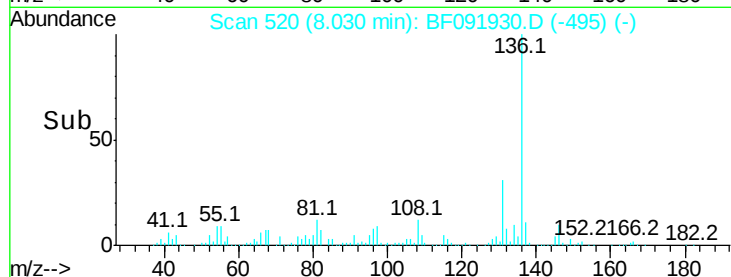
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091930.D
Acq: 23 Dec 2016 18:11

Instrument :
BNA_F
ClientSampleId :
PIT-002-COMP

Tot Ion:136	Resp:	770227
Ion Ratio	Lower	Upper
136 100		
137 12.3	8.4	12.6
54 10.5	4.5	6.7#
68 9.3	3.6	5.4#

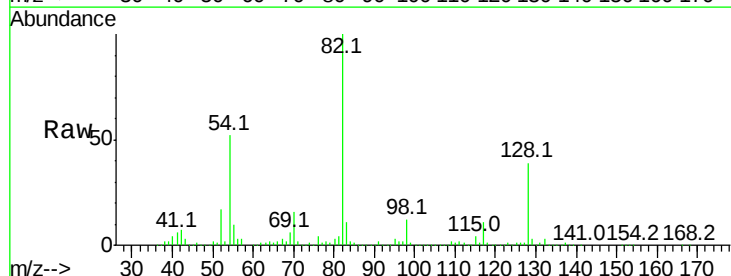


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

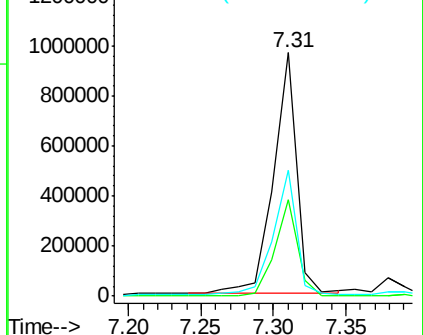
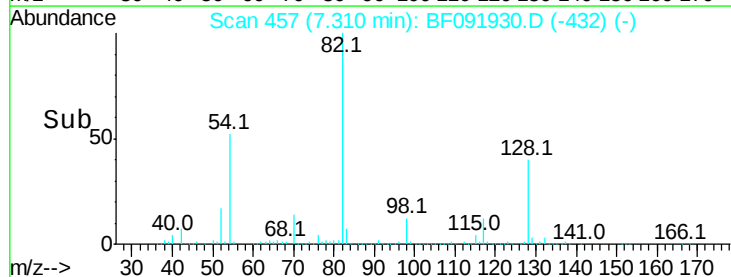


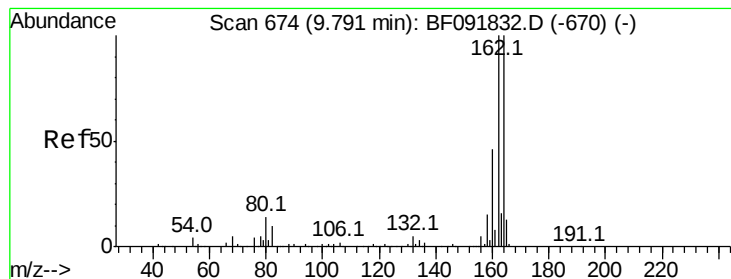
#23
Nitrobenzene-d5
Concen: 77.22 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091930.D
Acq: 23 Dec 2016 18:11

Tgt Ion: 82	Resp: 1069619
Ion Ratio	Lower Upper
82 100	
128 39.5	34.6 52.0
54 51.6	39.5 59.3



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

Instrument :

BNA_F

ClientSampleId :

PIT-002-COMP

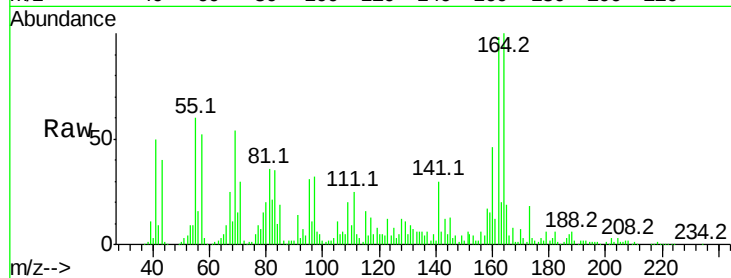
Tot Ion:164 Resp: 359258

Ion Ratio Lower Upper

164 100

162 98.1 80.2 120.2

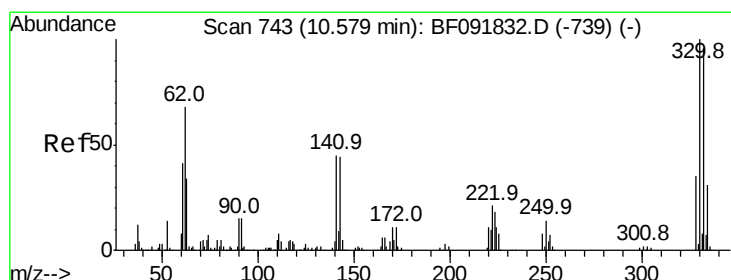
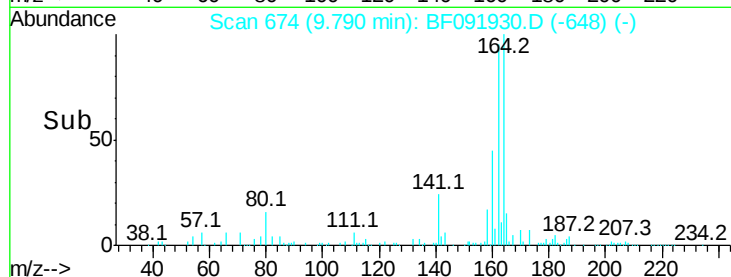
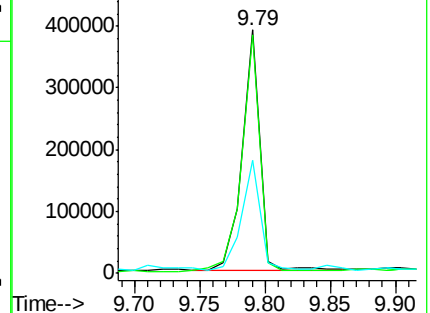
160 46.2 36.9 55.3



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: 105.89 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

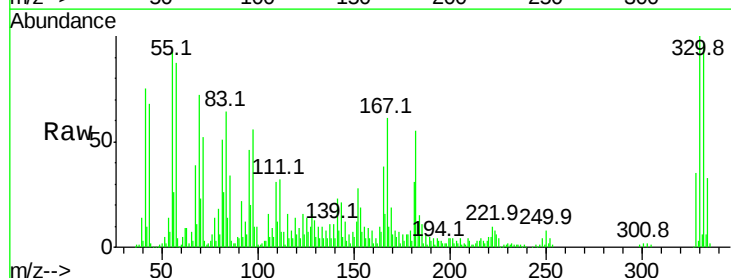
Tgt Ion:330 Resp: 314824

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.2

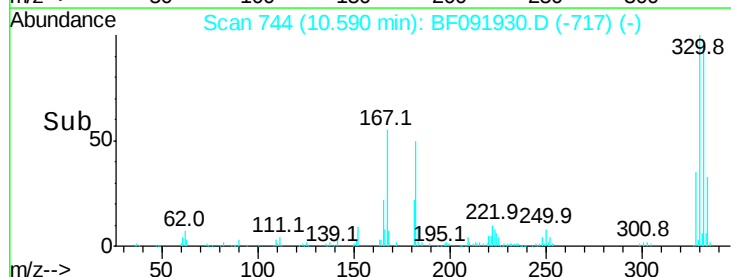
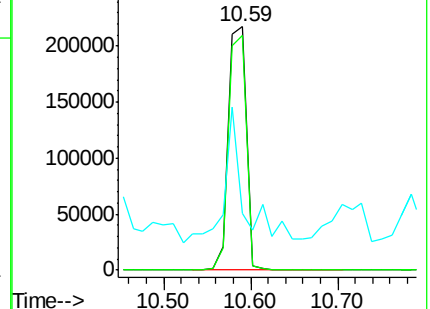
141 46.5 34.1 51.1

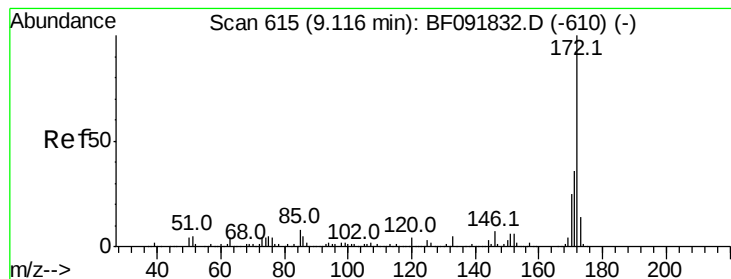


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

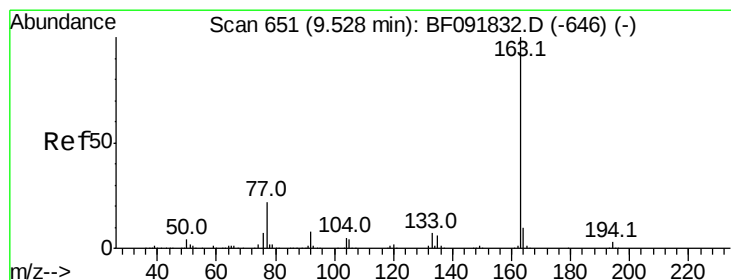
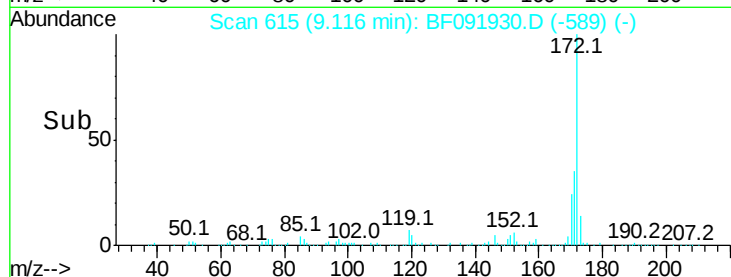
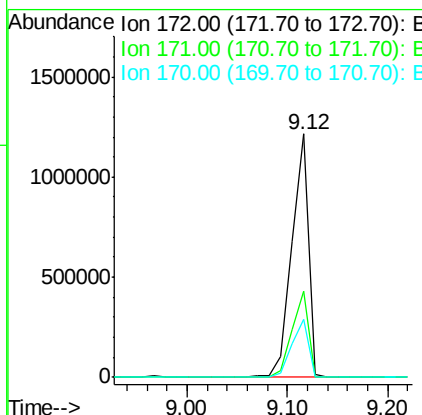
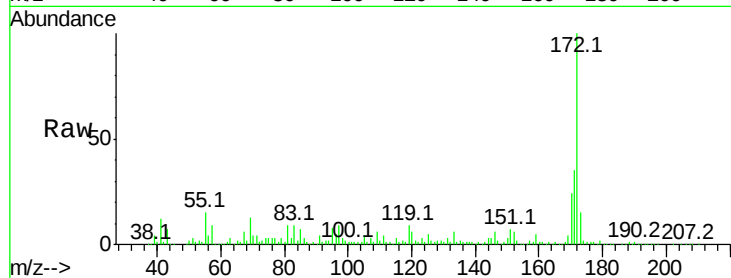




#44
2-Fluorobiphenyl
Concen: 78.46 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF091930.D
Acq: 23 Dec 2016 18:11

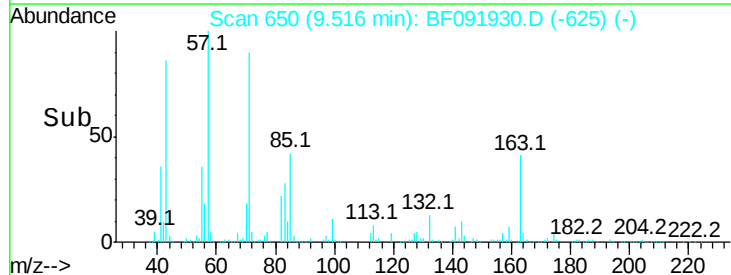
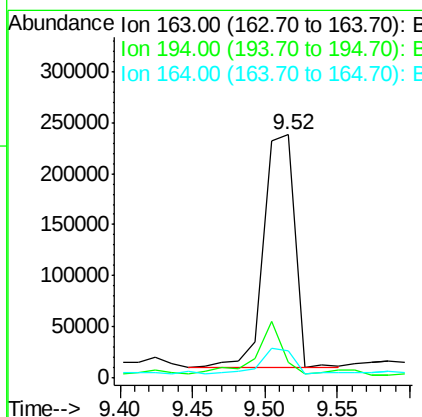
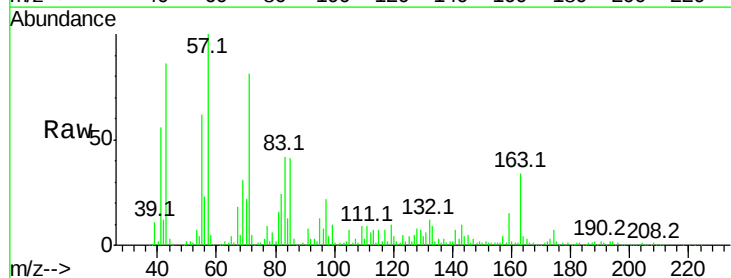
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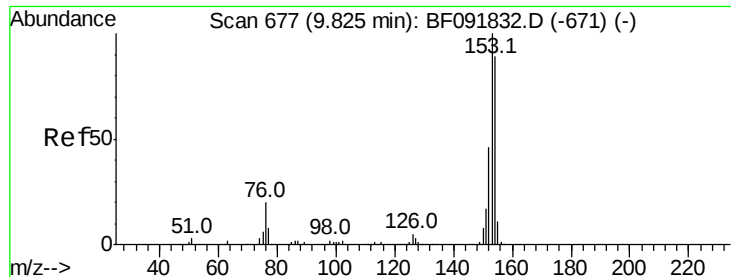
Tot Ion:172 Resp: 1393107
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 24.0 20.2 30.4



#49
Dimethylphthalate
Concen: 14.61 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.01 min
Lab File: BF091930.D
Acq: 23 Dec 2016 18:11

Tgt Ion:163 Resp: 335599
Ion Ratio Lower Upper
163 100
194 6.2 3.0 4.4#
164 11.1 8.0 12.0





#51

Acenaphthene

Concen: 5.56 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

Instrument :

BNA_F

ClientSampleId :

PIT-002-COMP

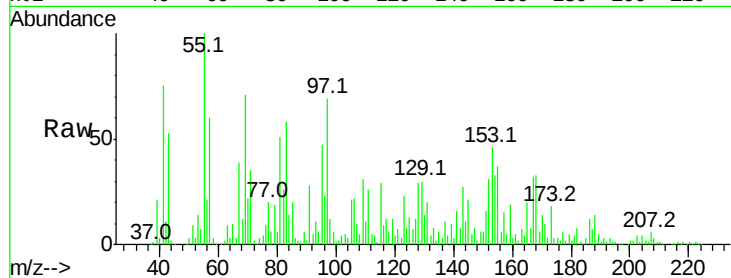
Tot Ion:154 Resp: 112954

Ion Ratio Lower Upper

154 100

153 139.2 88.6 133.0#

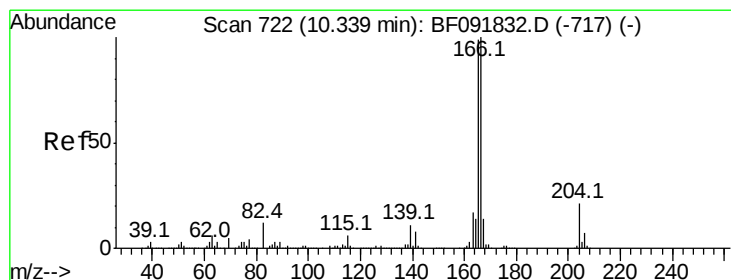
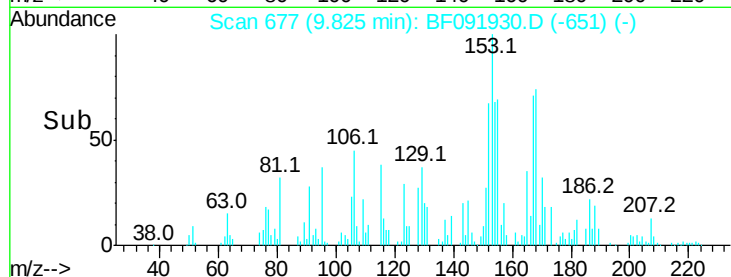
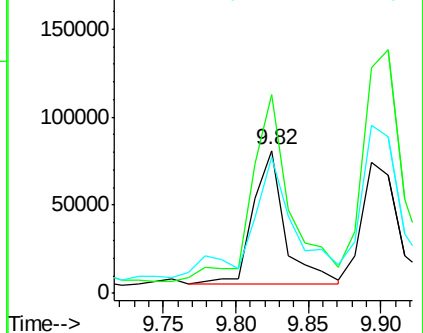
152 95.3 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 11.27 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

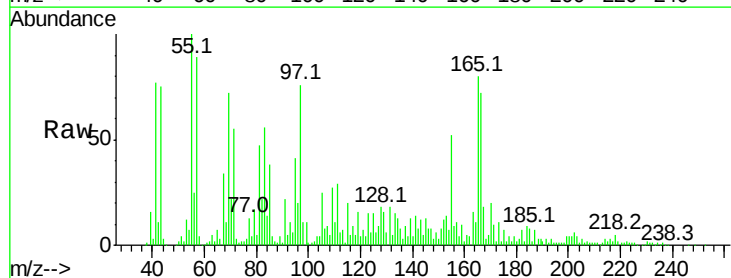
Tgt Ion:166 Resp: 224986

Ion Ratio Lower Upper

166 100

165 110.3 77.8 116.8

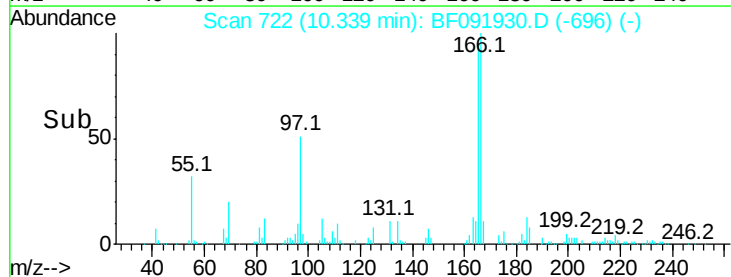
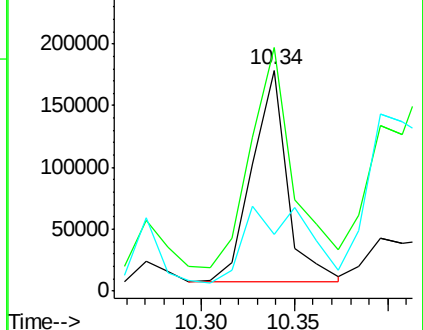
167 25.4 10.8 16.2#

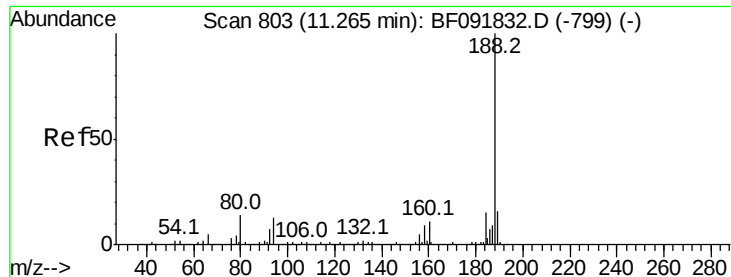


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

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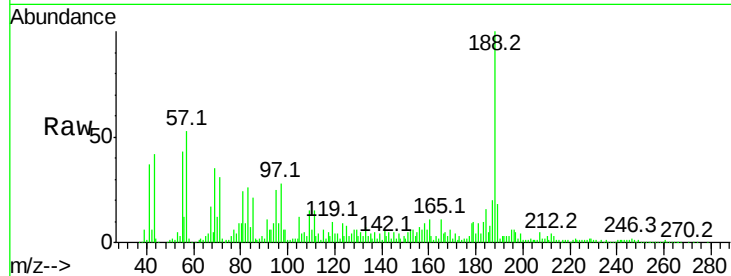
Tot Ion:188 Resp: 526446

Ion Ratio Lower Upper

188 100

94 9.1 10.0 15.0#

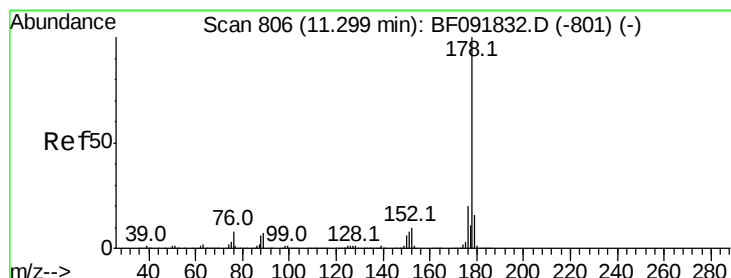
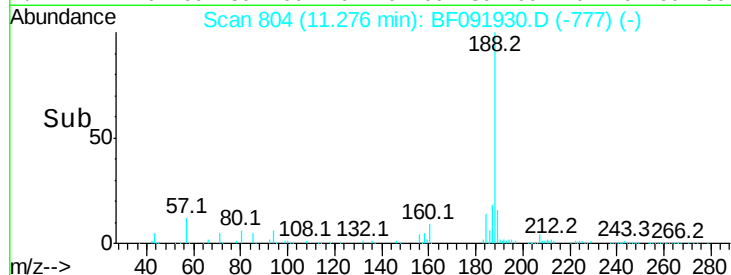
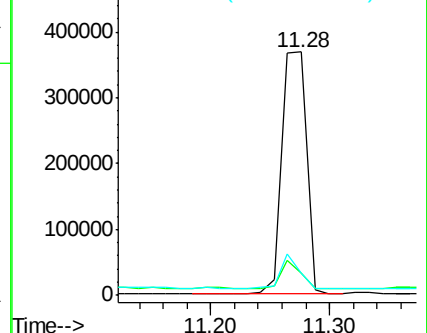
80 9.2 11.2 16.8#



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: 22.66 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

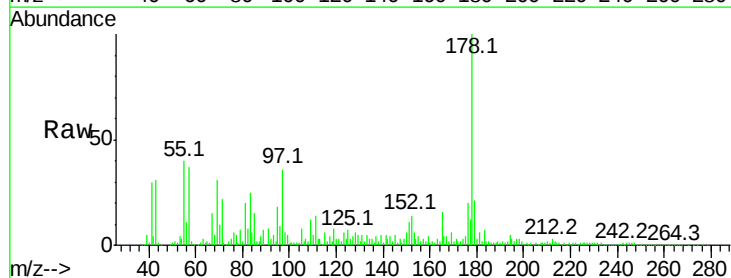
Tgt Ion:178 Resp: 646709

Ion Ratio Lower Upper

178 100

176 19.7 16.6 25.0

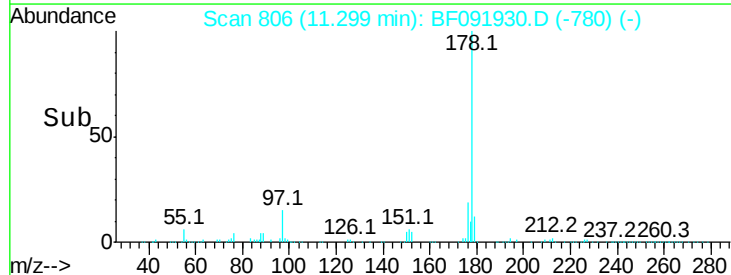
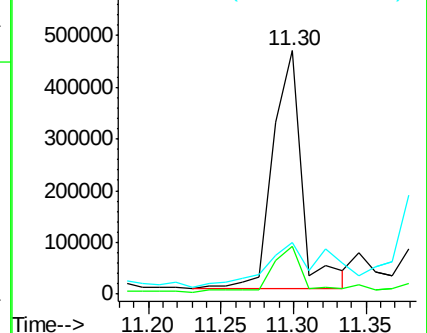
179 21.1 12.8 19.2#

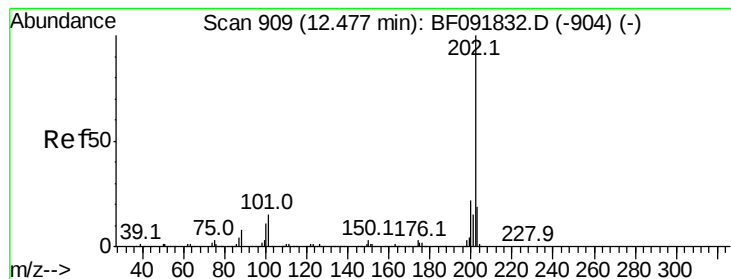


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.26 ng/mL

RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

Instrument :

BNA_F

ClientSampleId :

PIT-002-COMP

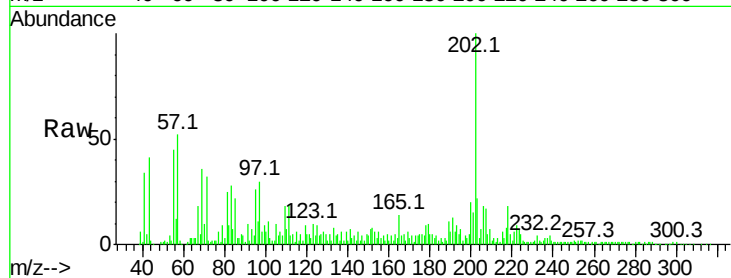
Tot Ion:202 Resp: 147587

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.6

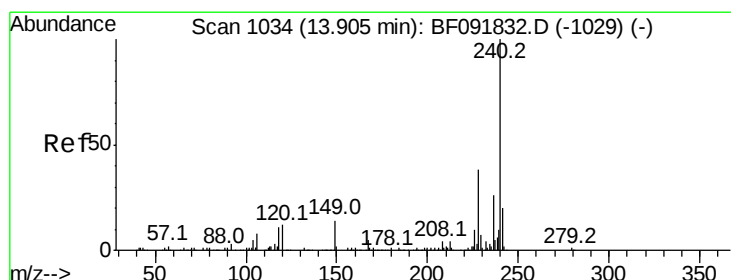
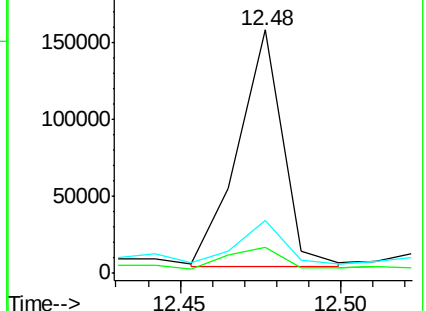
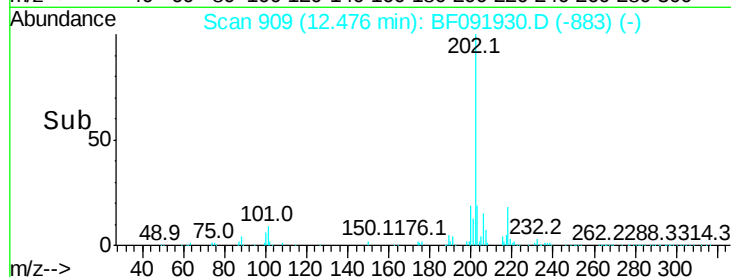
203 21.5 0.0 38.7



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/mL

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

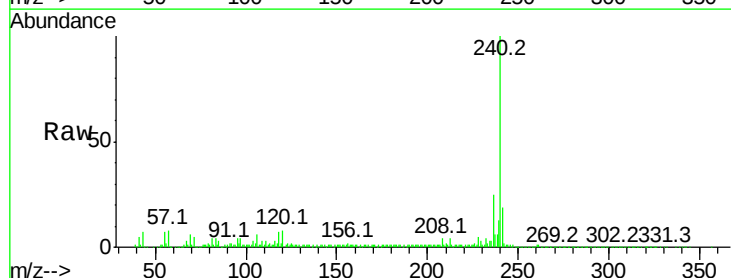
Tgt Ion:240 Resp: 436754

Ion Ratio Lower Upper

240 100

120 8.3 12.9 19.3#

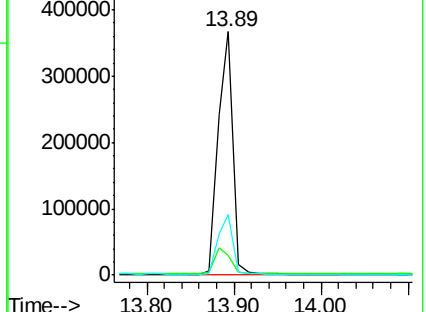
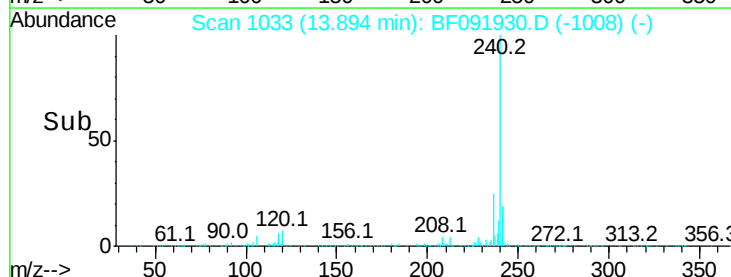
236 25.1 20.9 31.3

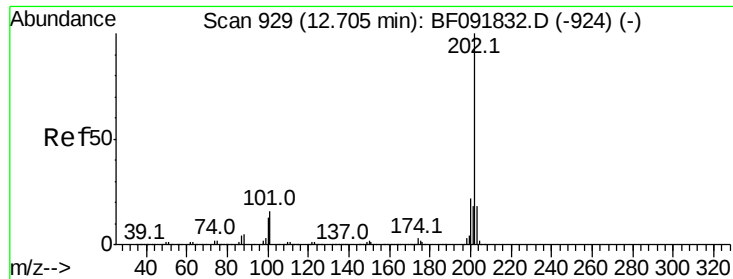


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.35 ng/mL

RT: 12.69 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

Instrument :

BNA_F

ClientSampleId :

PIT-002-COMP

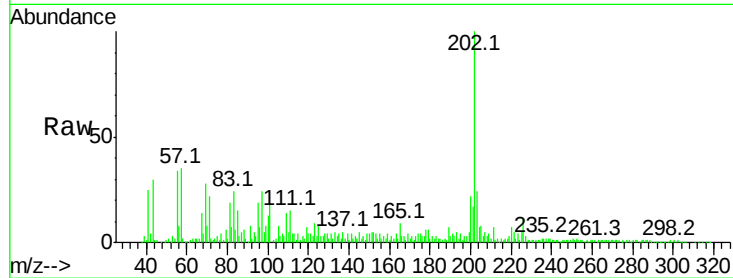
Tot Ion:202 Resp: 235676

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

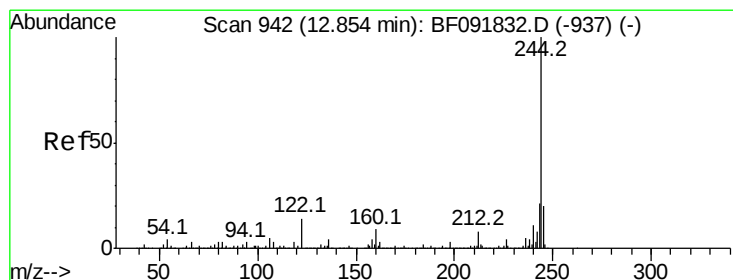
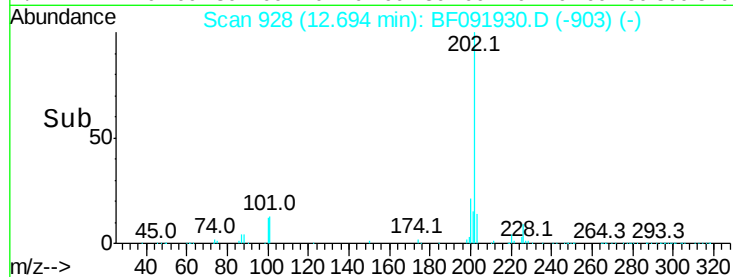
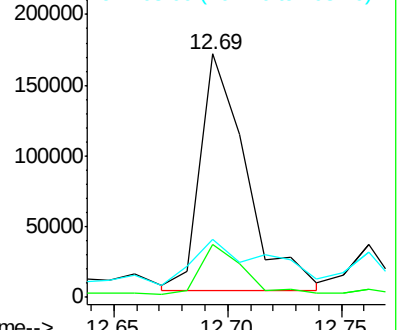
203 23.6 14.7 22.1#



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: 53.26 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

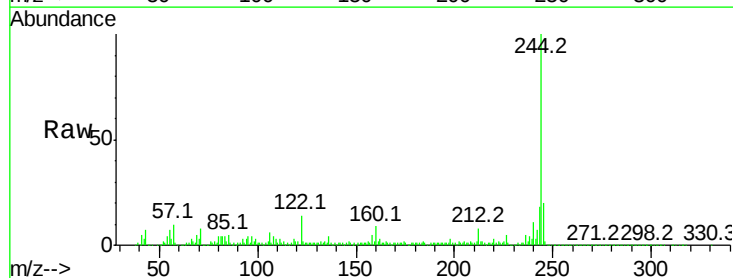
Tgt Ion:244 Resp: 959113

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

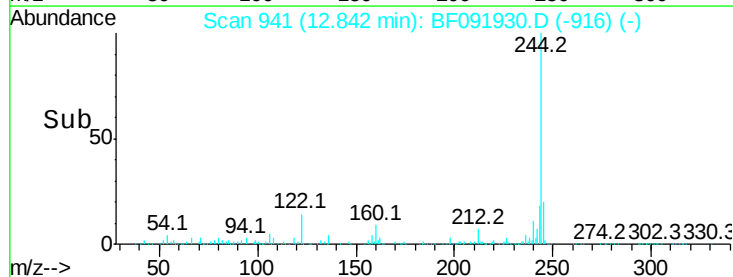
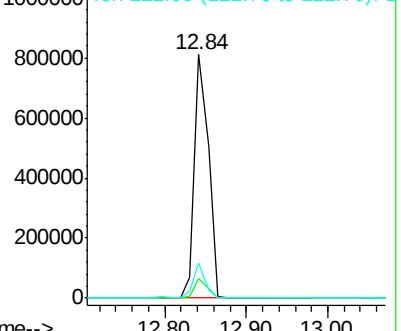
122 14.4 11.4 17.2

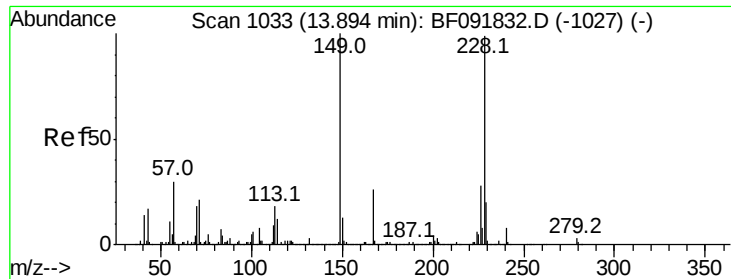


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

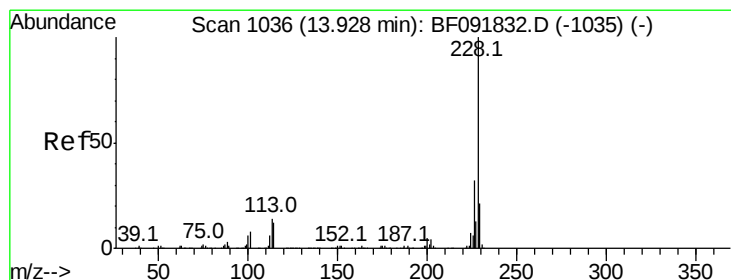
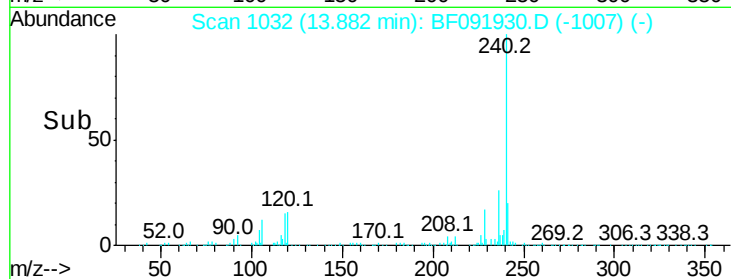
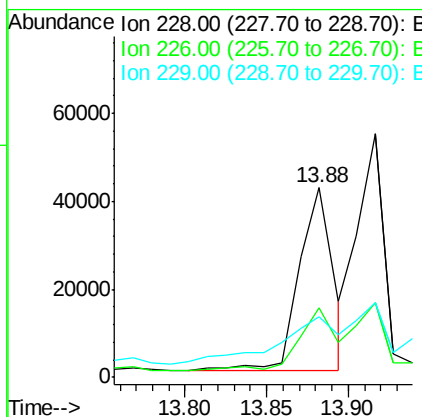
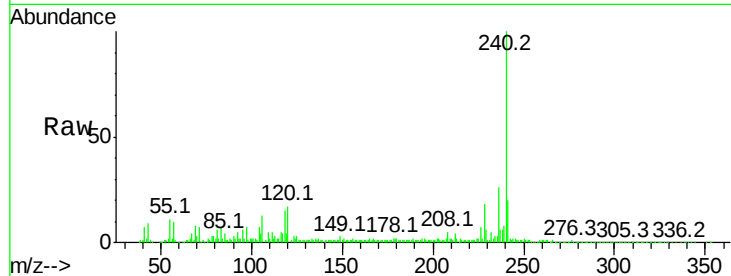




#80
 Benzo(a)anthracene
 Concen: 2.47 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF091930.D
 Acq: 23 Dec 2016 18:11

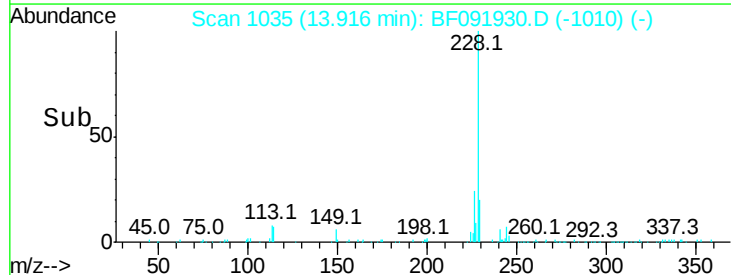
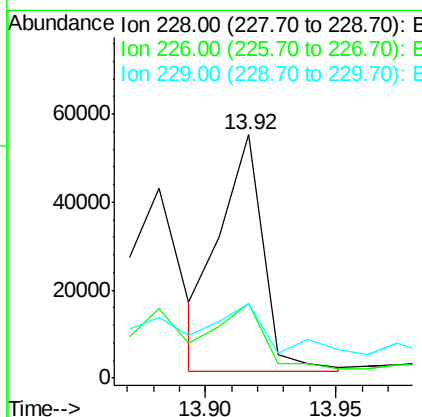
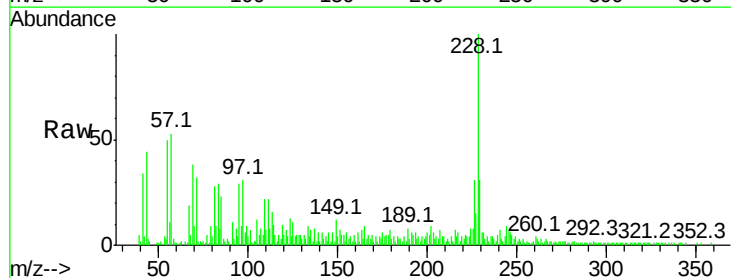
Instrument :
 BNA_F
 ClientSampleId :
 PIT-002-COMP

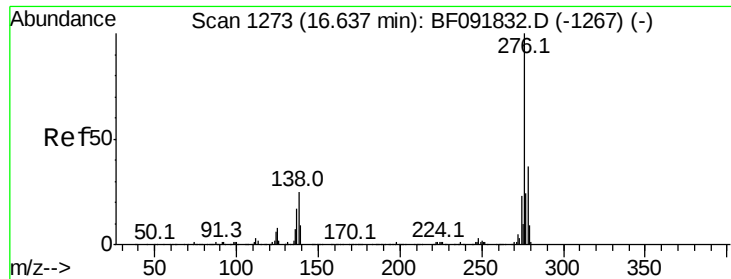
Tot Ion:228 Resp: 61013
 Ion Ratio Lower Upper
 228 100
 226 36.8 22.4 33.6#
 229 31.9 16.2 24.4#



#82
 Chrysene
 Concen: 2.52 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF091930.D
 Acq: 23 Dec 2016 18:11

Tgt Ion:228 Resp: 62244
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.4 38.0
 229 30.7 16.2 24.2#

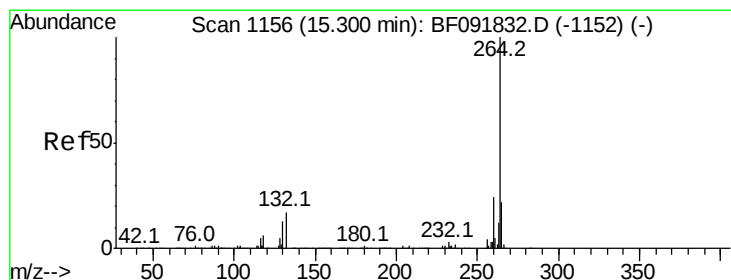
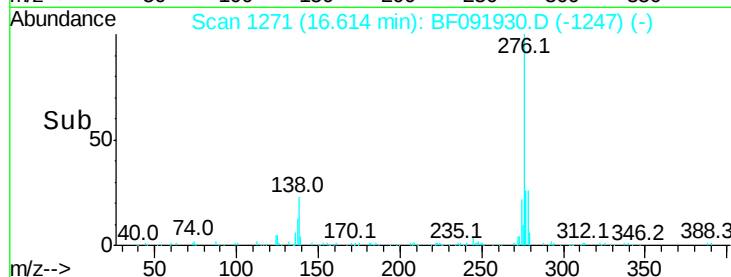
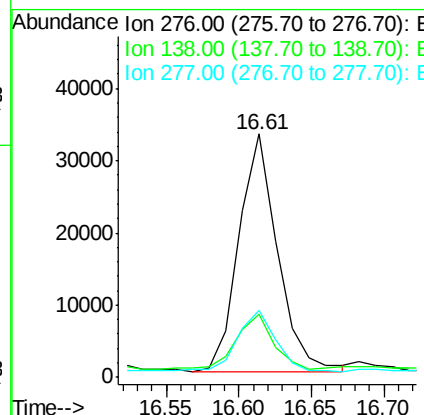
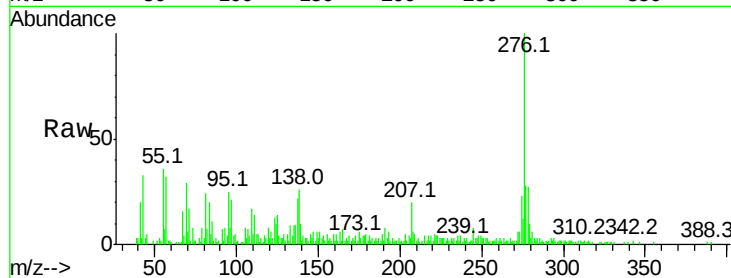




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.86 ng
 RT: 16.61 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF091930.D
 Acq: 23 Dec 2016 18:11

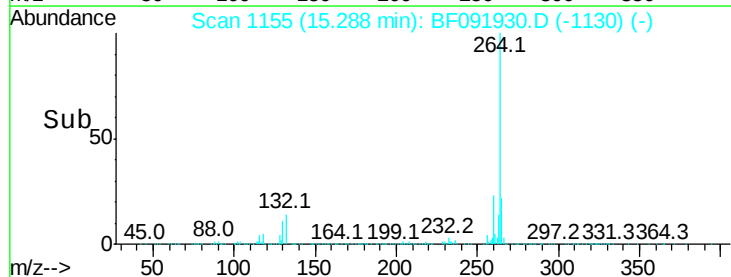
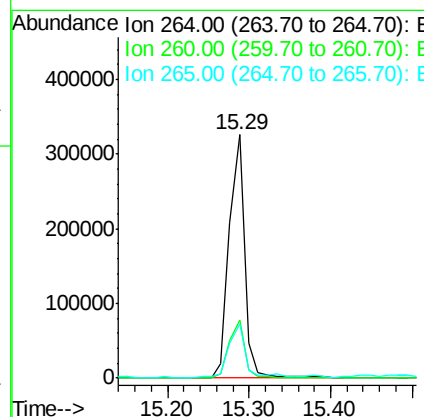
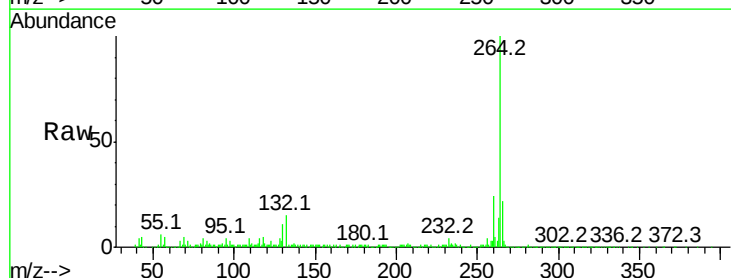
Instrument :
 BNA_F
 ClientSampleId :
 PIT-002-COMP

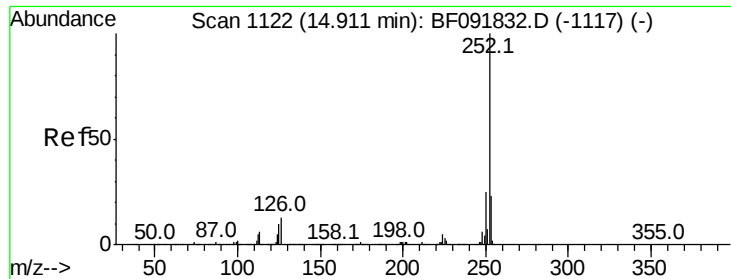
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	21.8	32.6
277	25.0	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF091930.D
 Acq: 23 Dec 2016 18:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.07 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

Instrument :

BNA_F

ClientSampleId :

PIT-002-COMP

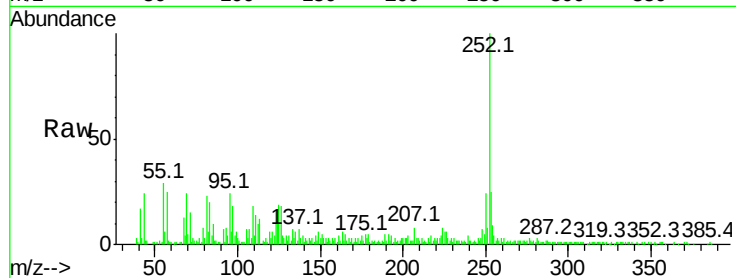
Tot Ion:252 Resp: 133574

Ion Ratio Lower Upper

252 100

253 25.4 18.2 27.4

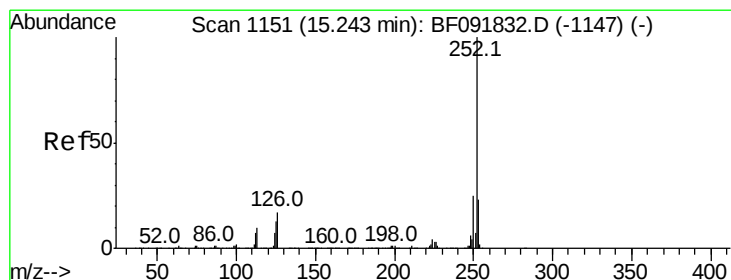
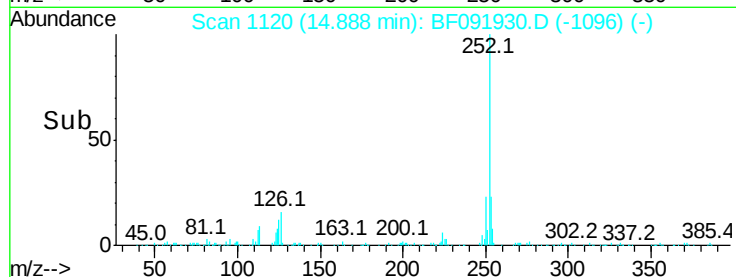
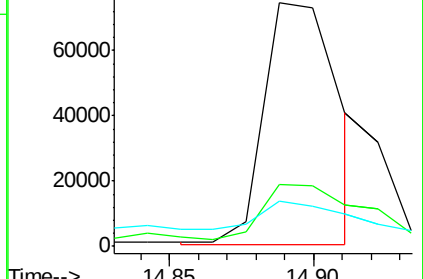
125 18.7 9.8 14.6#



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



#89

Benzo(a)pyrene

Concen: 3.29 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF091930.D

Acq: 23 Dec 2016 18:11

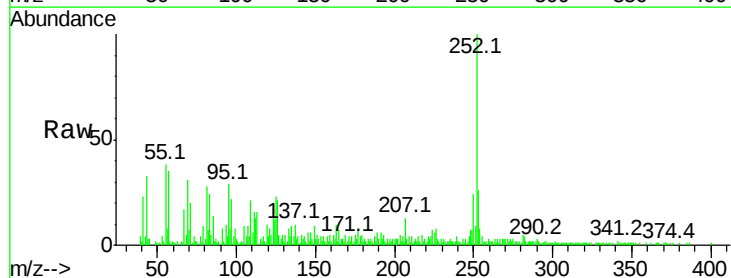
Tgt Ion:252 Resp: 76968

Ion Ratio Lower Upper

252 100

253 25.7 18.2 27.2

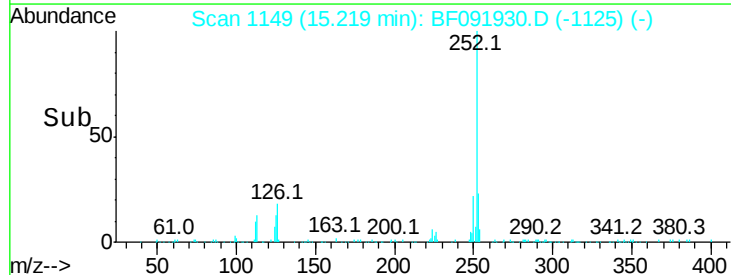
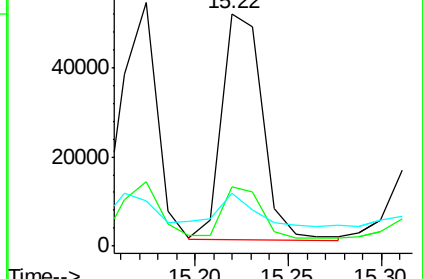
125 22.6 10.0 15.0#

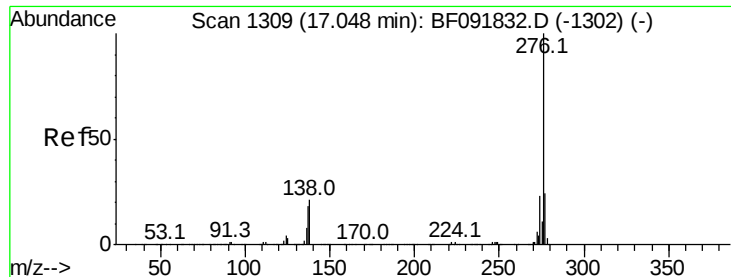


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
Benzo(a,h,i)perylene
Concen: 2.86 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF091930.D
Acq: 23 Dec 2016 18:11

Instrument :
BNA_F
ClientSampleId :
PIT-002-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.2	28.8
138	21.8	16.0	24.0

