

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092196.D
 Acq On : 10 Jan 2017 21:44
 Operator : UM/SJ
 Sample : I1098-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP13

Quant Time: Jan 11 00:58:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

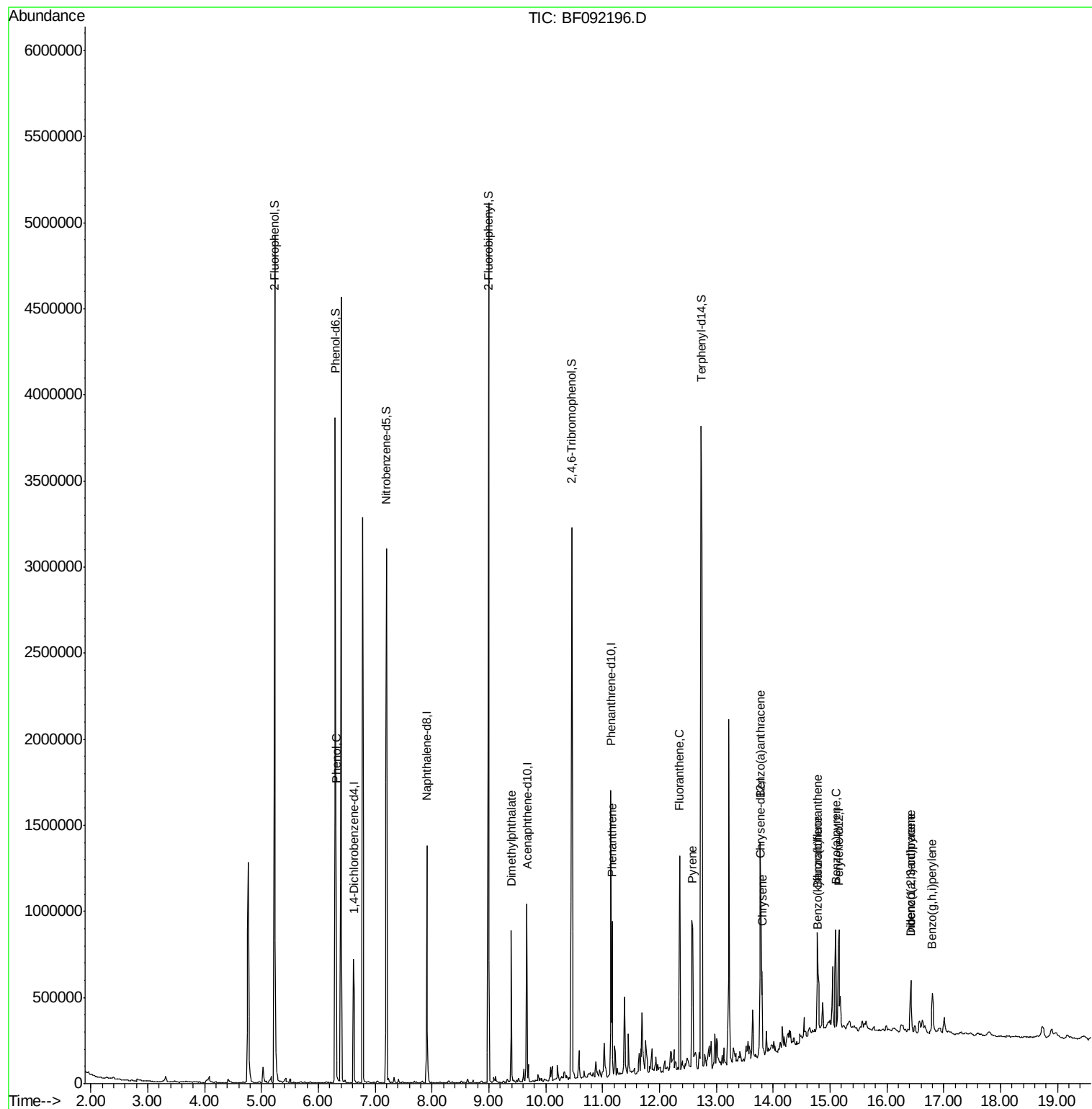
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	145184	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	630791	20.00	ng	-0.02
38) Acenaphthene-d10	9.67	164	343425	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	583909	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	390291	20.00	ng	0.00
86) Perylene-d12	15.16	264	313995	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1480434	170.26	ng	0.00
7) Phenol-d6	6.30	99	1617841	152.40	ng	-0.01
23) Nitrobenzene-d5	7.20	82	1280442	112.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	444821	156.51	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1778525	109.89	ng	-0.01
78) Terphenyl-d14	12.73	244	1778443	110.51	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.31	94	119182	9.85	ng	82
49) Dimethylphthalate	9.40	163	374561	17.05	ng	100
70) Phenanthrene	11.17	178	314275	9.93	ng	97
74) Fluoranthene	12.36	202	525982	16.51	ng	93
77) Pyrene	12.58	202	501219	17.50	ng	97
80) Benzo(a)anthracene	13.77	228	281569	12.78	ng	97
82) Chrysene	13.81	228	230821m	10.44	ng	
85) Indeno(1,2,3-cd)pyrene	16.43	276	179806	9.39	ng	94
87) Benzo(b)fluoranthene	14.78	252	326296m	16.69	ng	
88) Benzo(k)fluoranthene	14.79	252	99668m	5.98	ng	
89) Benzo(a)pyrene	15.10	252	277437	15.99	ng	97
90) Dibenzo(a,h)anthracene	16.43	278	65731	4.61	ng	# 83
91) Benzo(a,h,i)perylene	16.80	276	181765	12.26	ng	# 95

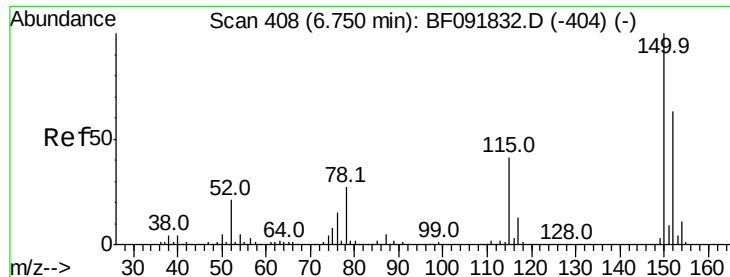
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

Instrument :

BNA_F

ClientSampleId :

TP3-COMP13

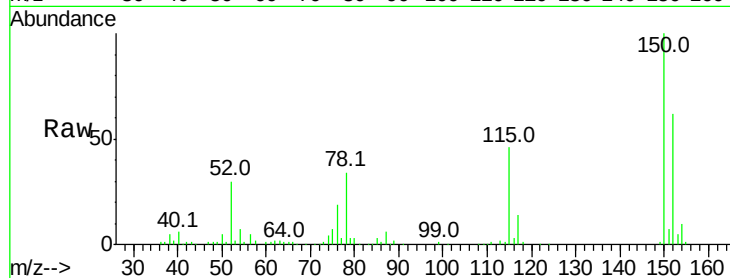
Tot Ion:152 Resp: 145184

Ion Ratio Lower Upper

152 100

150 162.5 124.9 187.3

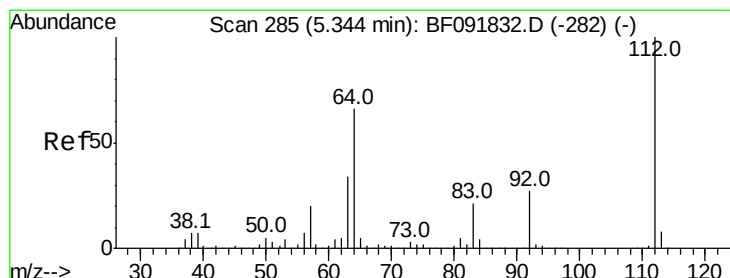
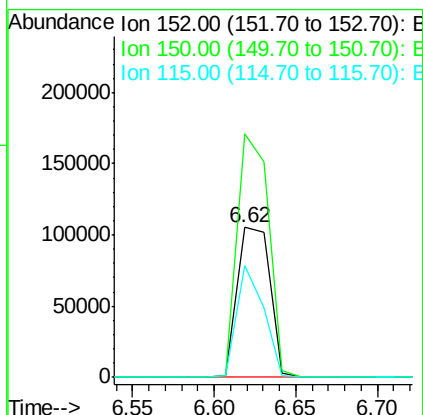
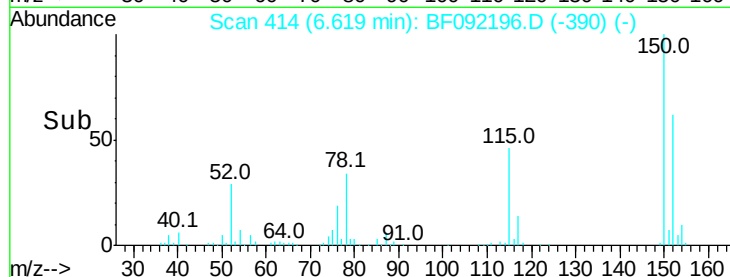
115 74.9 46.0 69.0#



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: 170.26 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

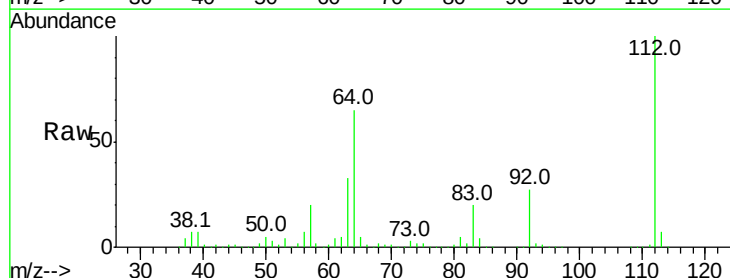
Tgt Ion:112 Resp: 1480434

Ion Ratio Lower Upper

112 100

64 64.9 46.1 69.1

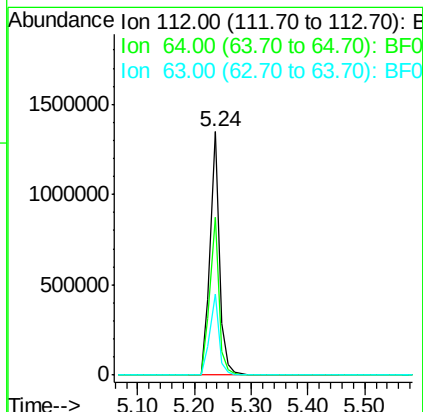
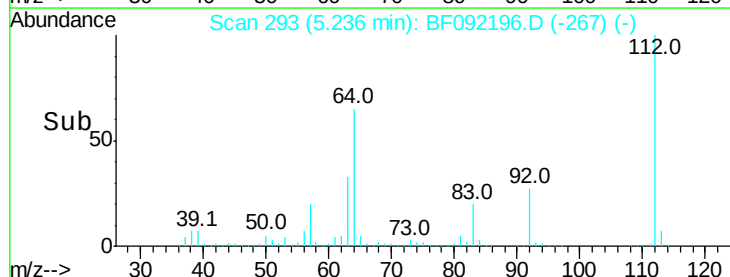
63 33.4 23.8 35.6

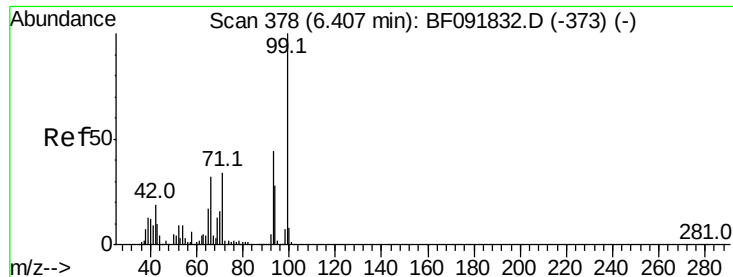


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 152.40 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

Instrument :

BNA_F

ClientSampleId :

TP3-COMP13

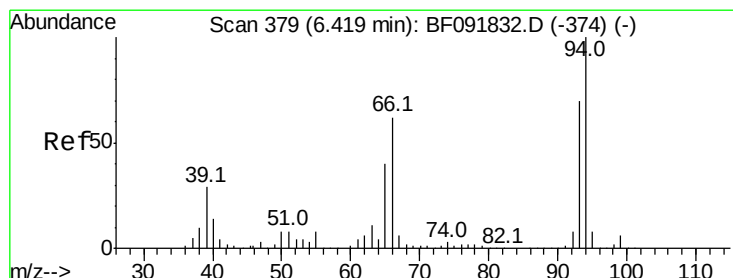
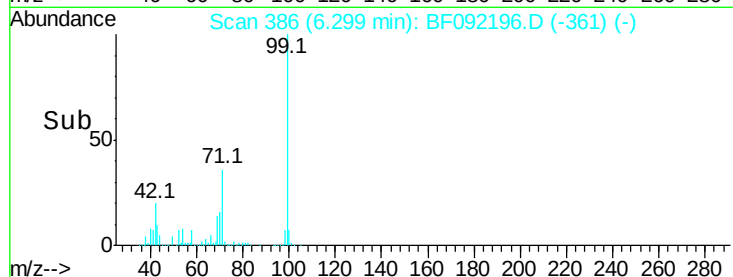
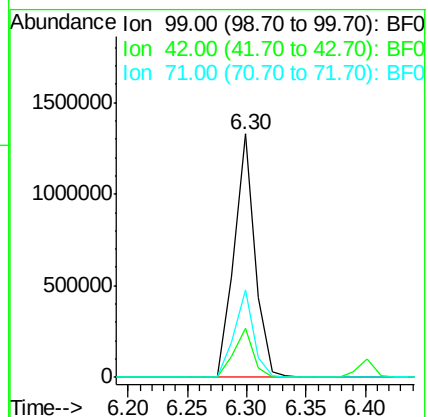
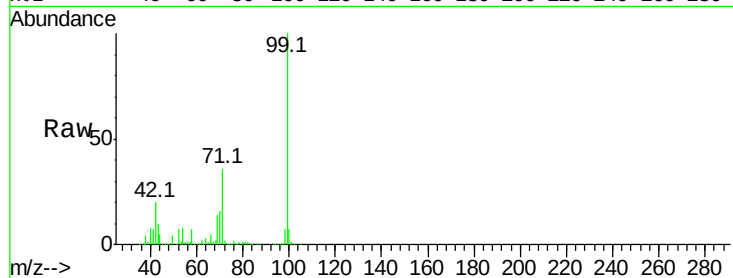
Tot Ion: 99 Resp: 1617841

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

71 36.1 27.5 41.3



#10

Phenol

Concen: 9.85 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

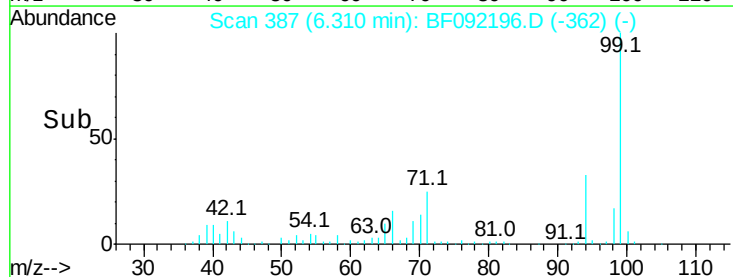
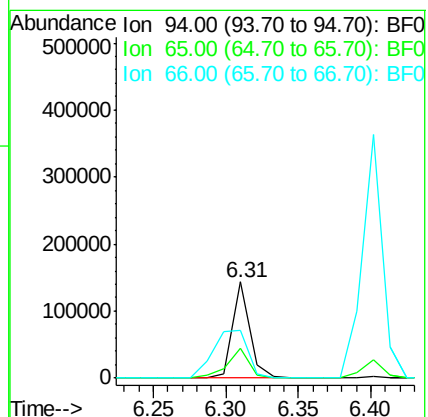
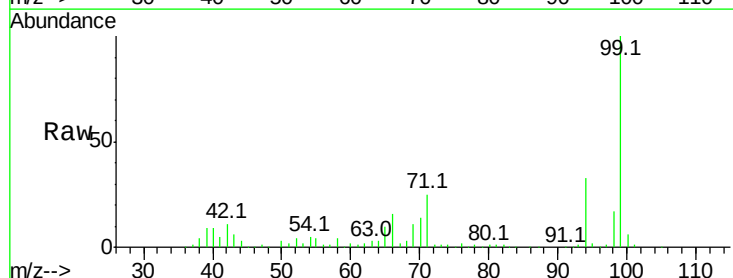
Tgt Ion: 94 Resp: 119182

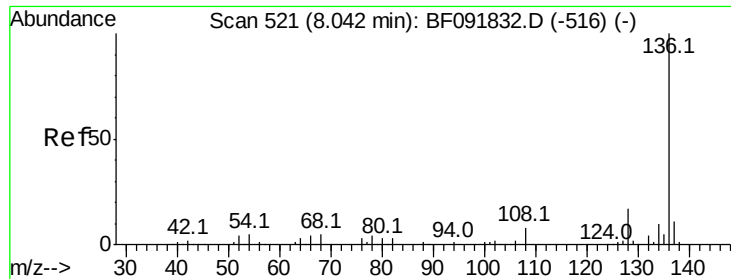
Ion Ratio Lower Upper

94 100

65 31.6 21.4 61.4

66 49.2 44.0 84.0

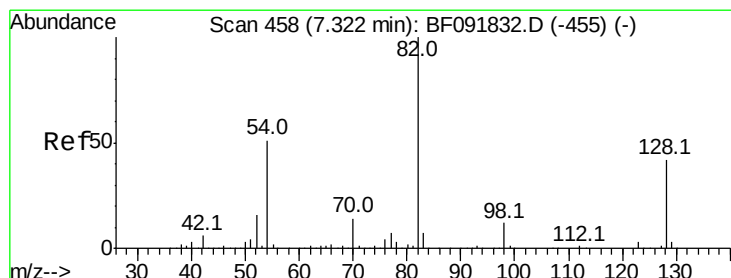
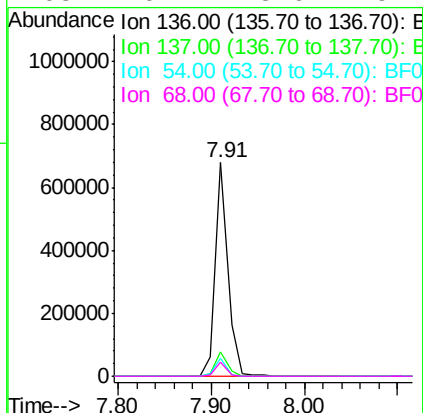
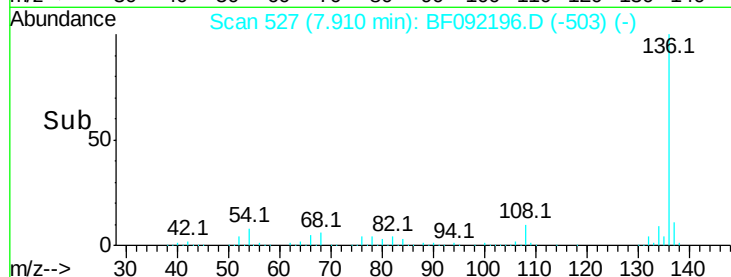
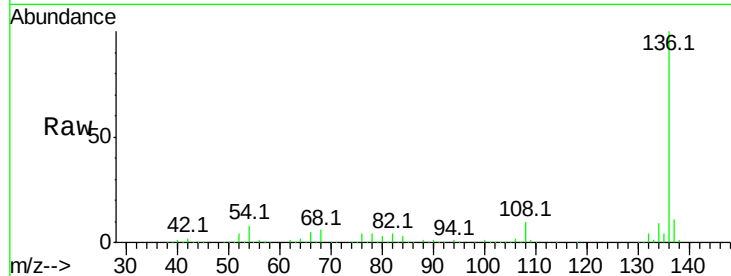




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 527
Delta R.T. -0.02 min
Lab File: BF092196.D
Acq: 10 Jan 2017 21:44

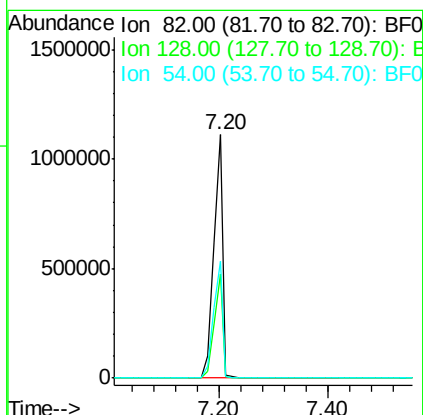
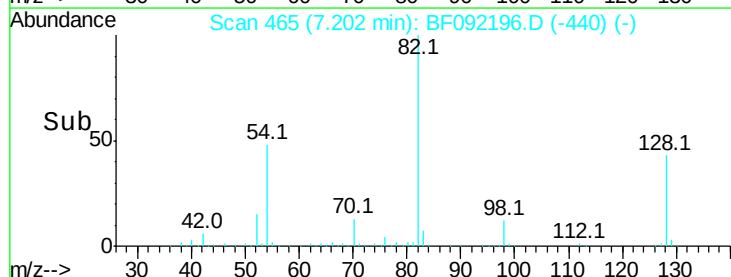
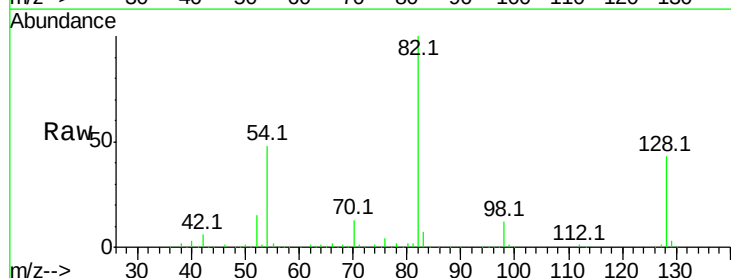
Instrument :
BNA_F
ClientSampleId :
TP3-COMP13

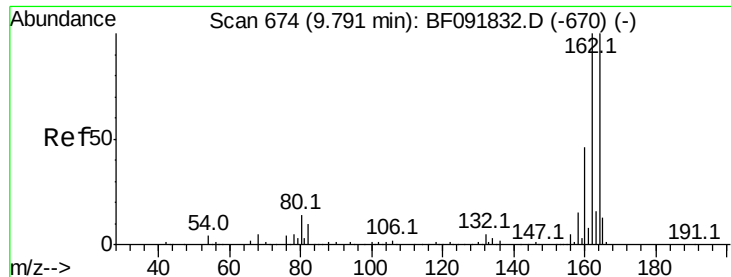
Tot Ion:	136	Resp:	630791
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	8.3	4.5	6.7#
68	6.4	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 112.87 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092196.D
Acq: 10 Jan 2017 21:44

Tgt Ion:	82	Resp:	1280442
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.6	52.0
54	47.8	39.5	59.3

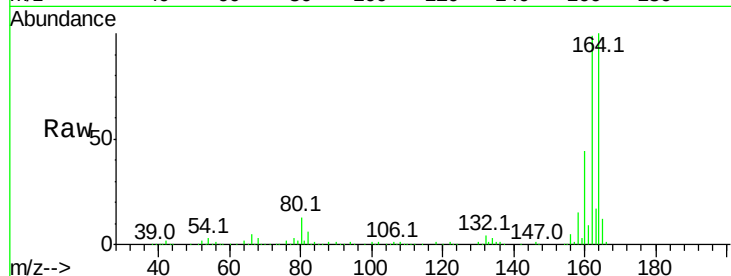




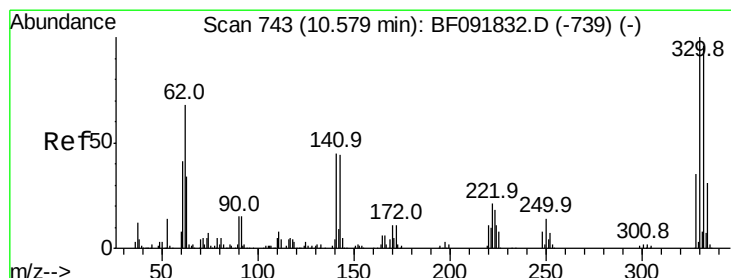
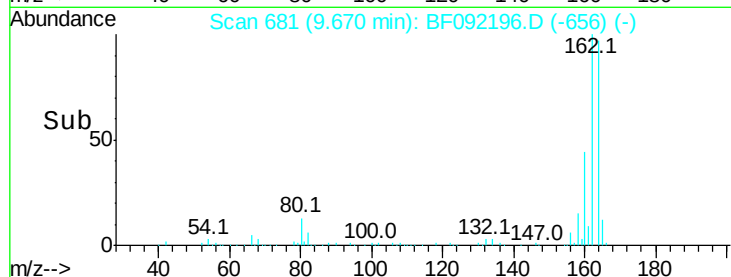
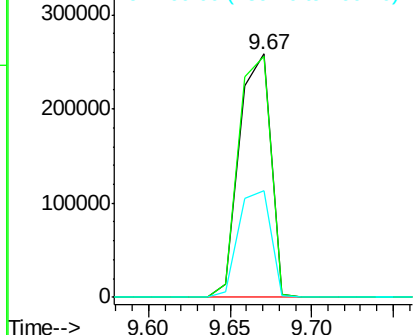
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF092196.D
 Acq: 10 Jan 2017 21:44

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP13

Tot Ion:164 Resp: 343425
 Ion Ratio Lower Upper
 164 100
 162 98.8 80.2 120.2
 160 43.7 36.9 55.3

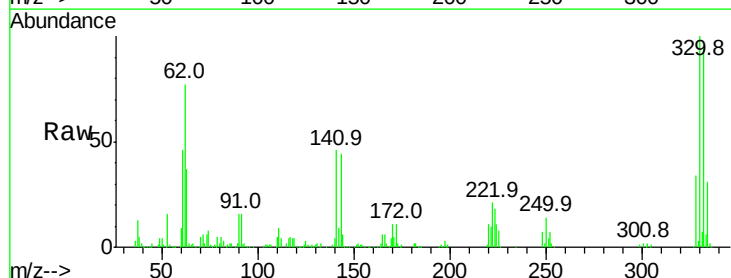


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

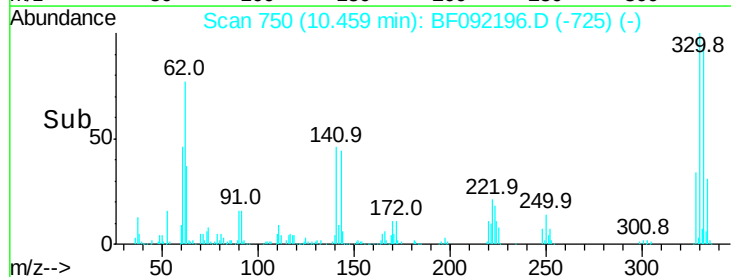
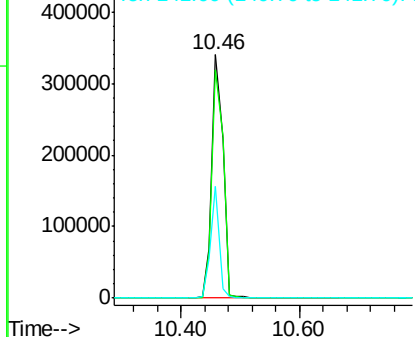


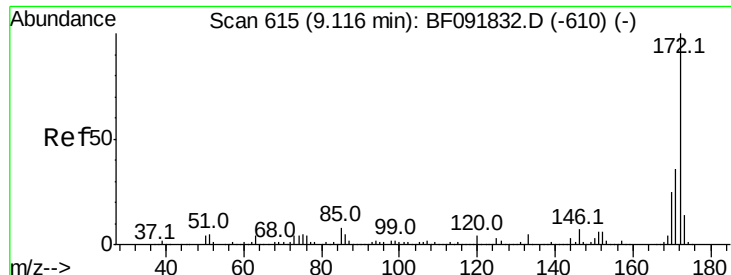
#41
 2,4,6-Tribromophenol
 Concen: 156.51 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092196.D
 Acq: 10 Jan 2017 21:44

Tgt Ion:330 Resp: 444821
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.2
 141 36.0 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

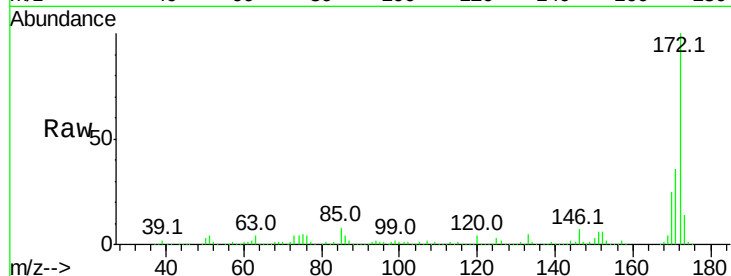




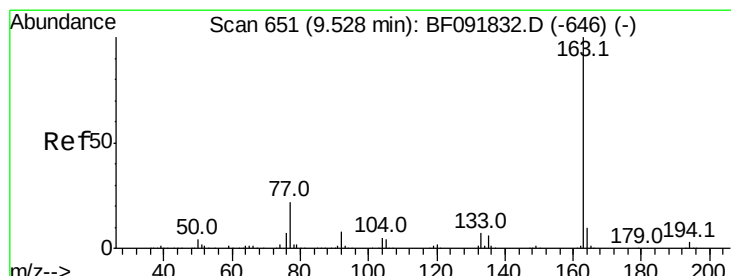
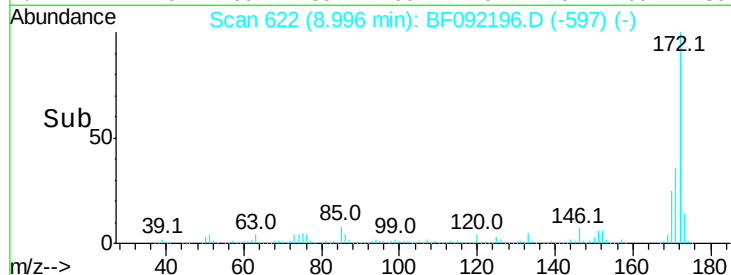
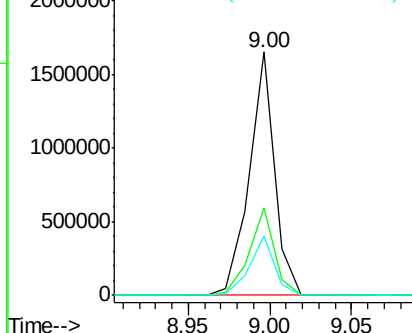
#44
2-Fluorobiphenyl
Concen: 109.89 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF092196.D
Acq: 10 Jan 2017 21:44

Instrument :
BNA_F
ClientSampleId :
TP3-COMP13

Tot Ion:172 Resp: 1778525
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 24.6 20.2 30.4

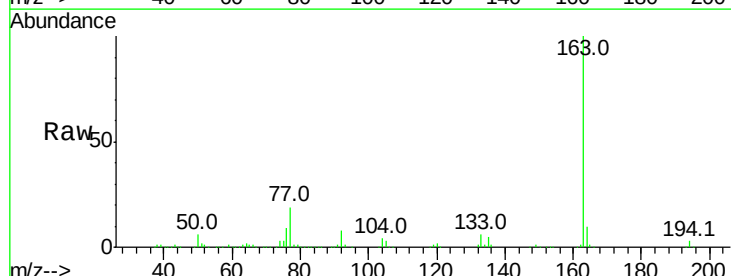


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

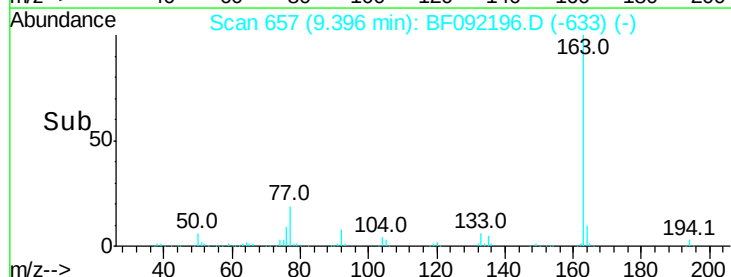
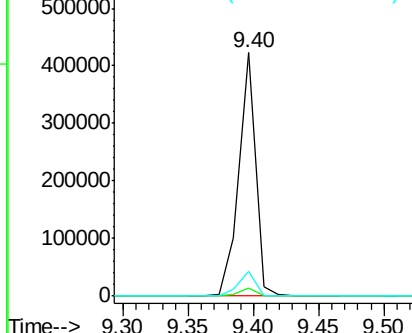


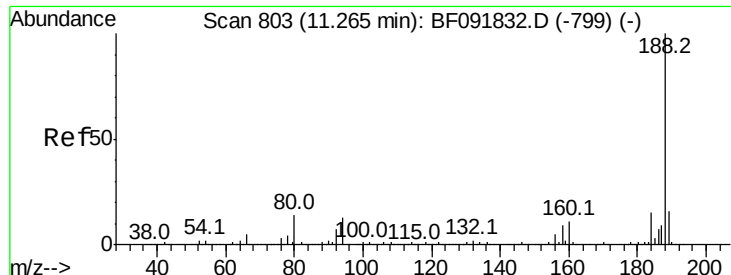
#49
Dimethylphthalate
Concen: 17.05 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092196.D
Acq: 10 Jan 2017 21:44

Tgt Ion:163 Resp: 374561
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.0 8.0 12.0



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

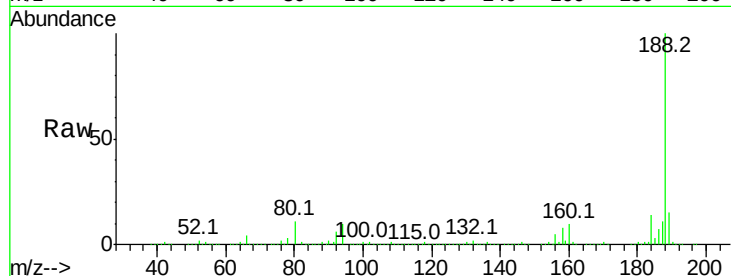




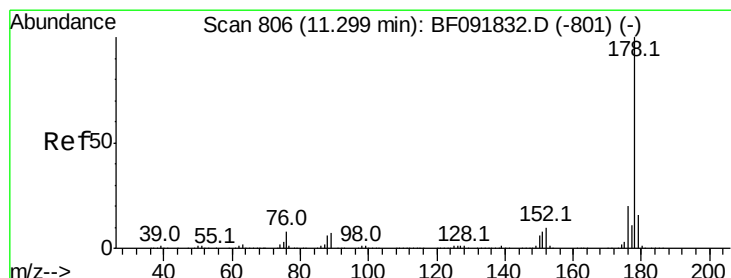
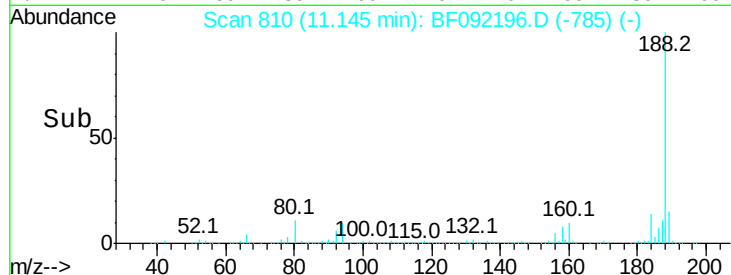
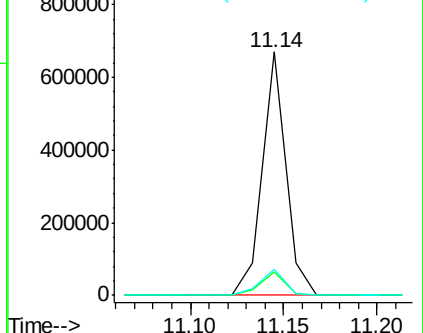
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092196.D
Acq: 10 Jan 2017 21:44

Instrument :
BNA_F
ClientSampleId :
TP3-COMP13

Tot Ion:188 Resp: 583909
Ion Ratio Lower Upper
188 100
94 9.8 10.0 15.0#
80 10.8 11.2 16.8#

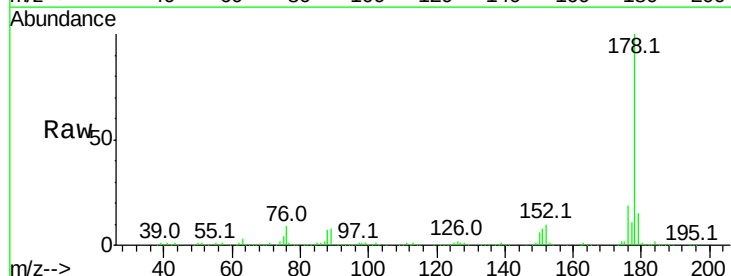


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

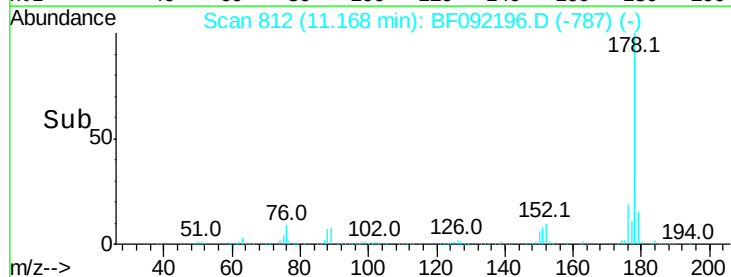
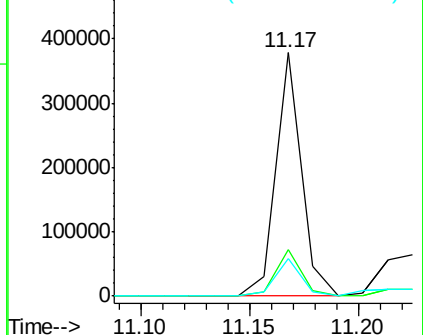


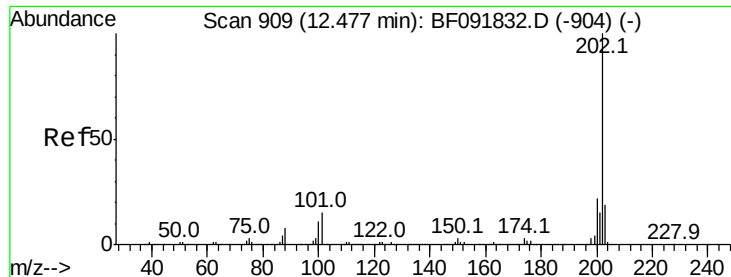
#70
Phenanthrene
Concen: 9.93 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF092196.D
Acq: 10 Jan 2017 21:44

Tgt Ion:178 Resp: 314275
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 15.3 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: 16.51 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

Instrument :

BNA_F

ClientSampleId :

TP3-COMP13

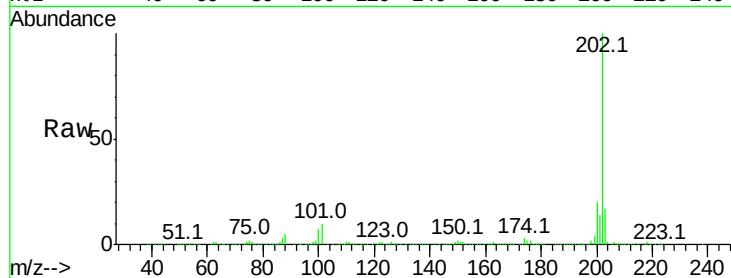
Tot Ion:202 Resp: 525982

Ion Ratio Lower Upper

202 100

101 9.6 0.0 34.6

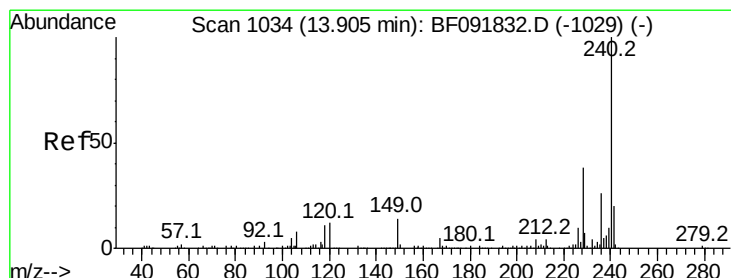
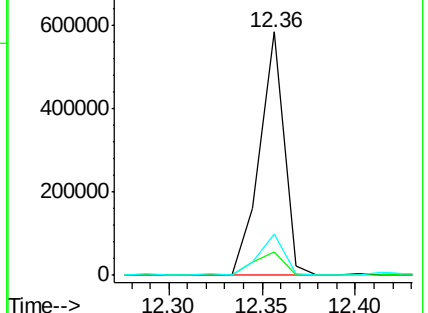
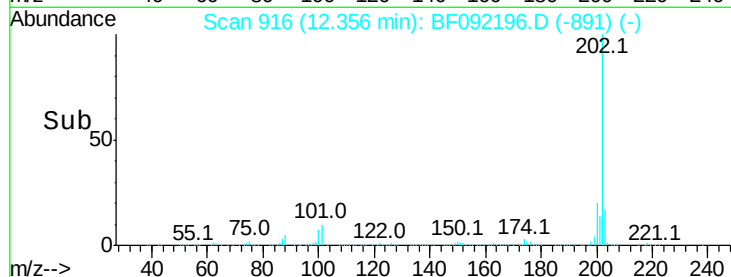
203 17.3 0.0 38.7



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: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

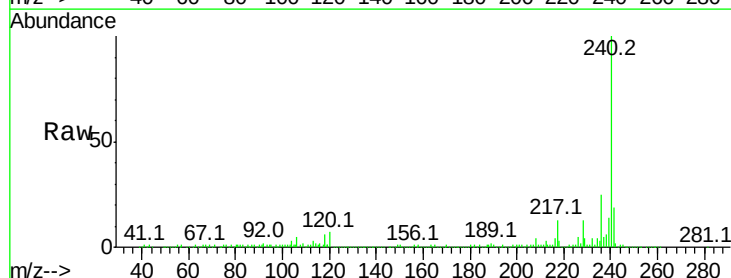
Tgt Ion:240 Resp: 390291

Ion Ratio Lower Upper

240 100

120 7.0 12.9 19.3#

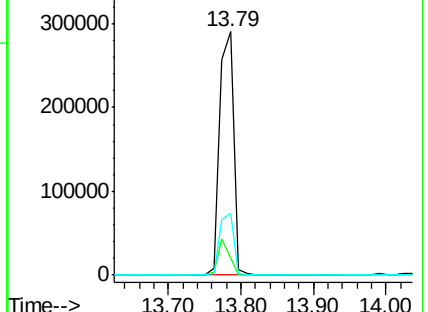
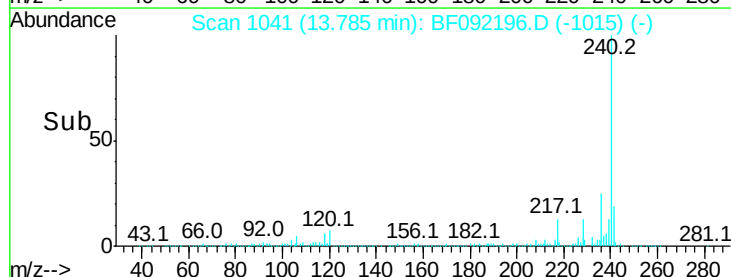
236 25.3 20.9 31.3

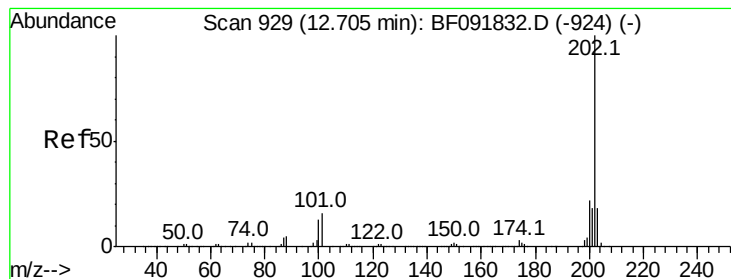


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.50 ng

RT: 12.58 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

Instrument :

BNA_F

ClientSampleId :

TP3-COMP13

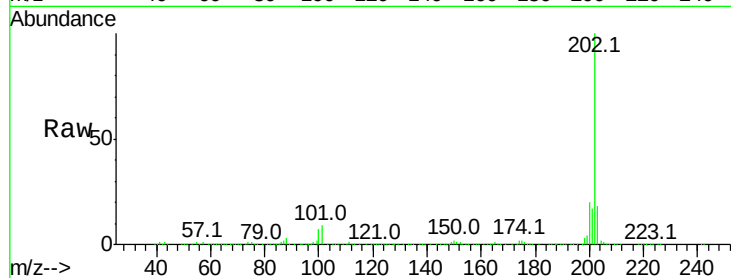
Tot Ion:202 Resp: 501219

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

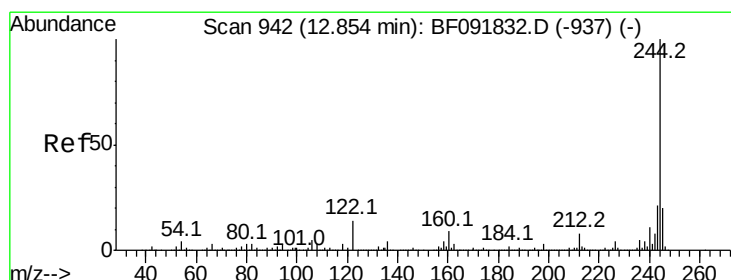
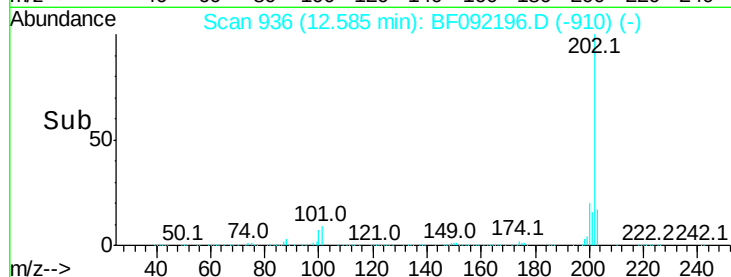
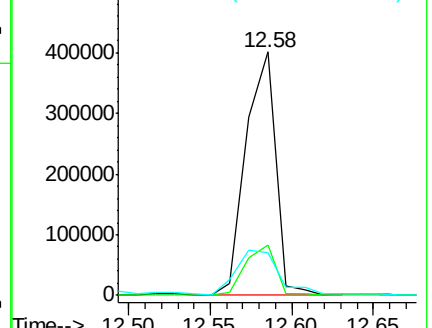
203 17.7 14.7 22.1



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: 110.51 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

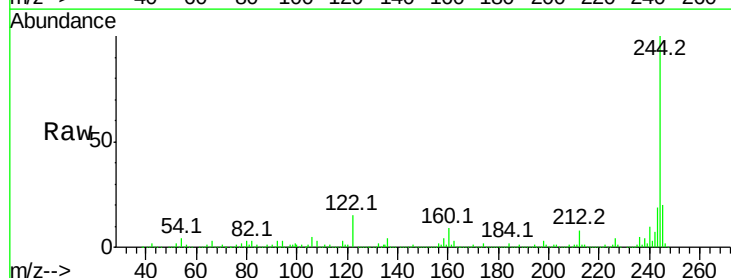
Tgt Ion:244 Resp: 1778443

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

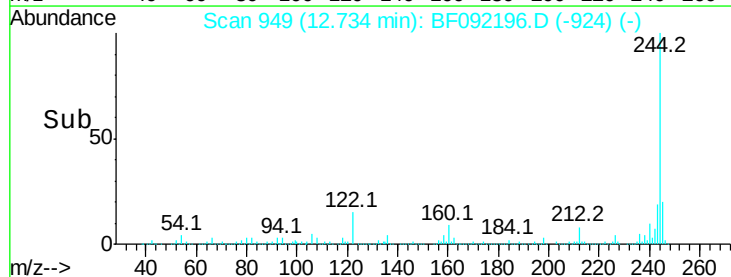
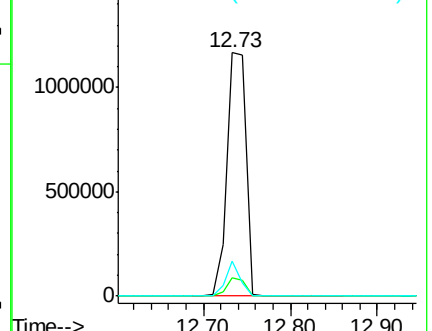
122 14.6 11.4 17.2

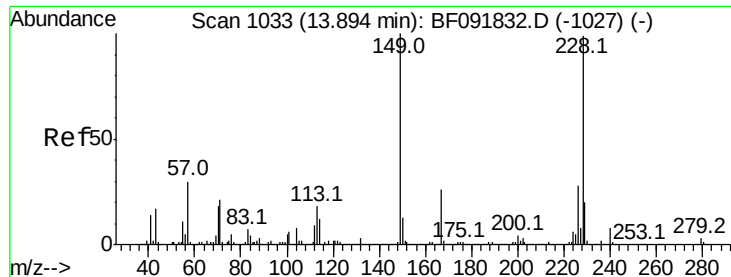


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

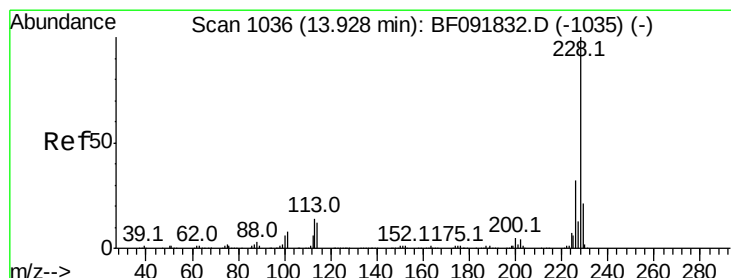
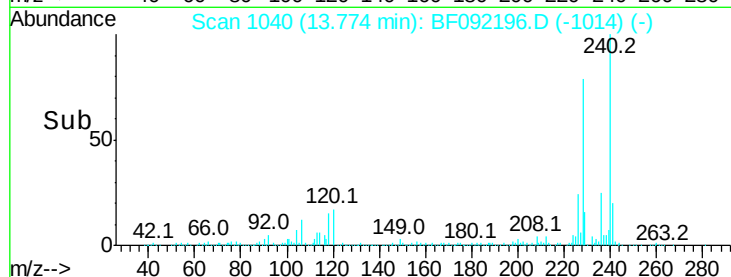
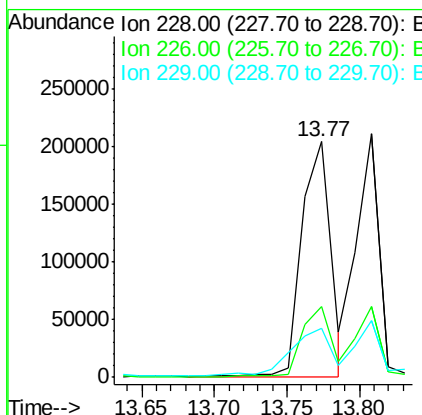
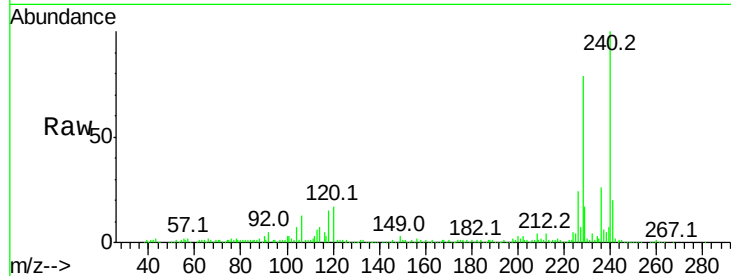




#80
 Benzo(a)anthracene
 Concen: 12.78 ng
 RT: 13.77 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF092196.D
 Acq: 10 Jan 2017 21:44

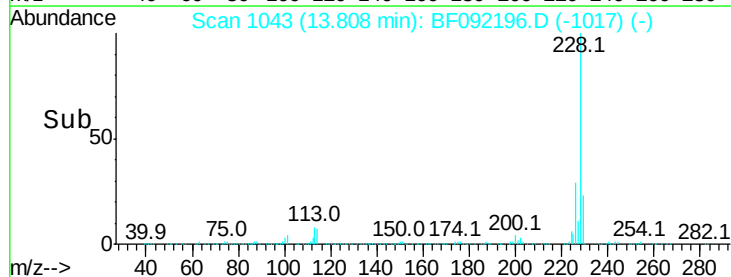
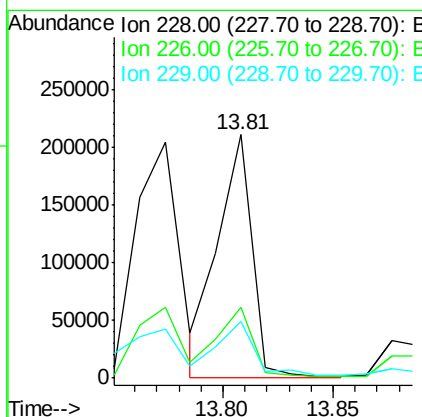
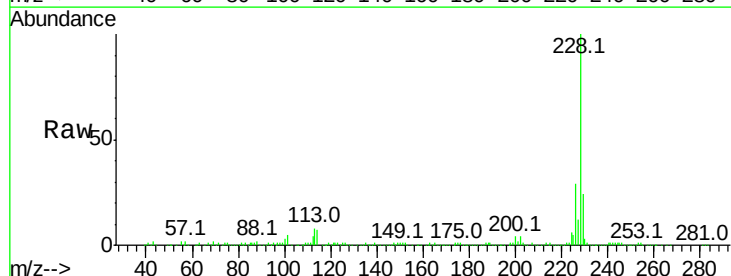
Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP13

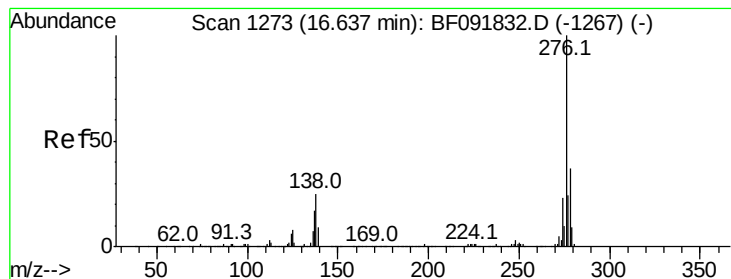
Tot Ion:	228	Resp:	281569
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.4	33.6
229	20.8	16.2	24.4



#82
 Chrysene
 Concen: 10.44 ng m
 RT: 13.81 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: BF092196.D
 Acq: 10 Jan 2017 21:44

Tgt Ion:	228	Resp:	230821
Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.4	38.0
229	23.5	16.2	24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.39 ng

RT: 16.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

Instrument :

BNA_F

ClientSampleId :

TP3-COMP13

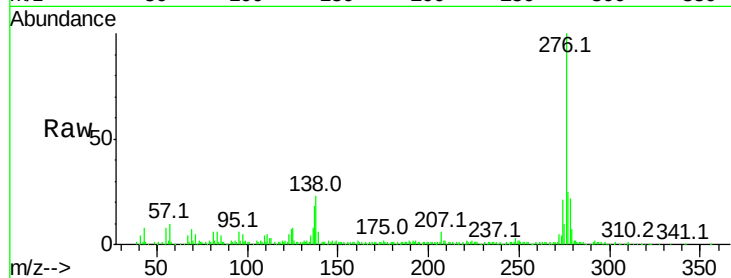
Tot Ion:276 Resp: 179806

Ion Ratio Lower Upper

276 100

138 25.2 21.8 32.6

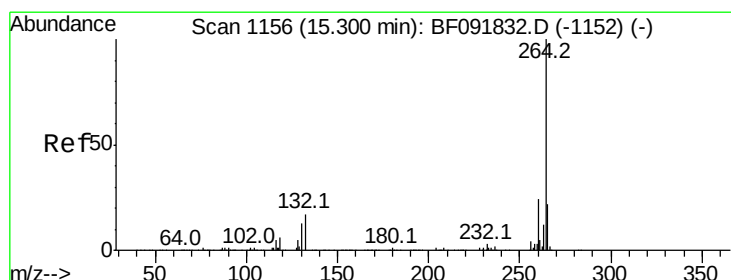
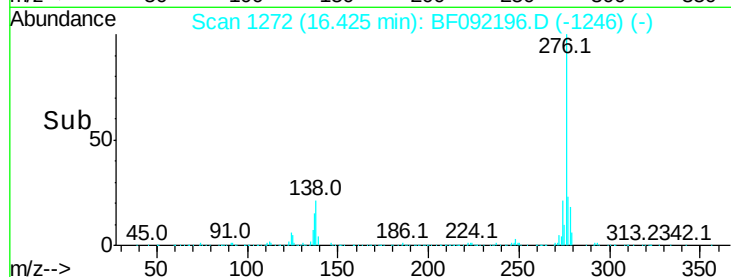
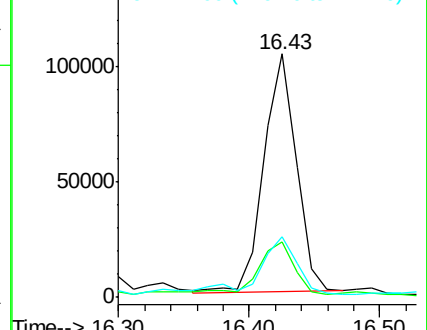
277 29.8 20.2 30.4



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: 15.16 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

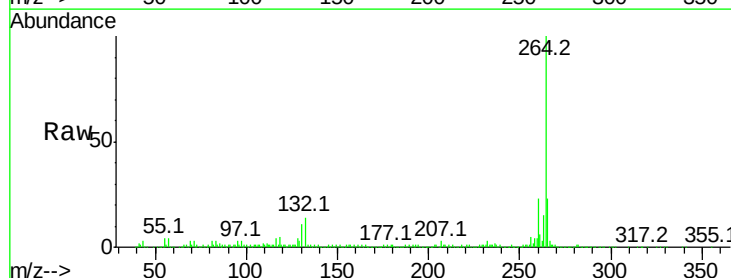
Tgt Ion:264 Resp: 313995

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

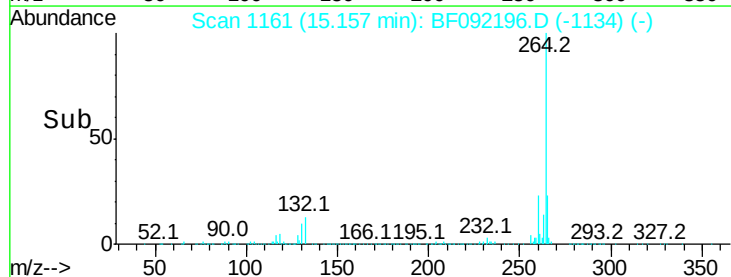
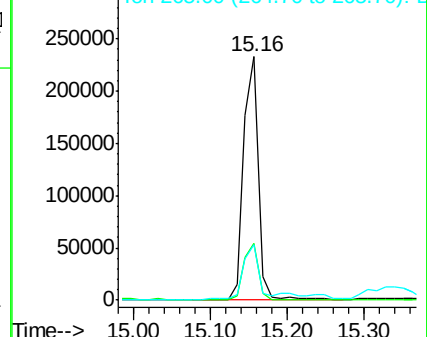
265 23.0 17.4 26.0

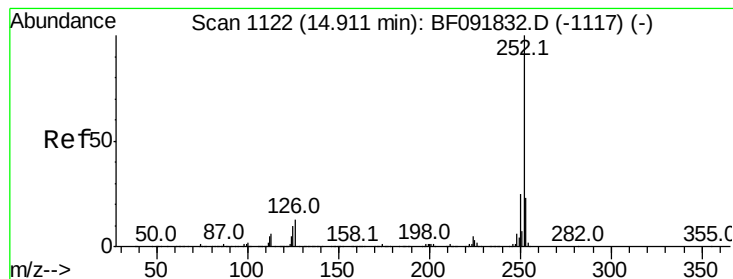


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.69 ng m

RT: 14.78 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

Instrument :

BNA_F

ClientSampleId :

TP3-COMP13

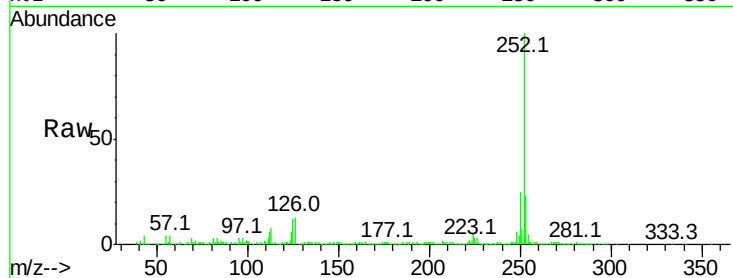
Tot Ion:252 Resp: 326296

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

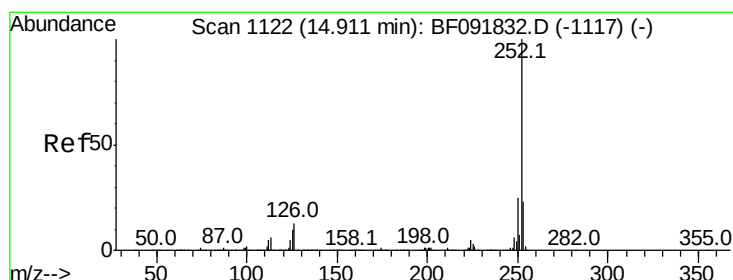
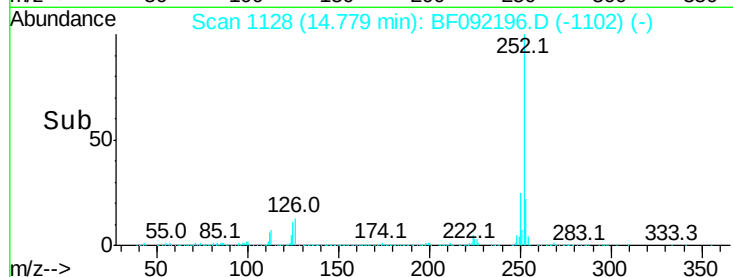
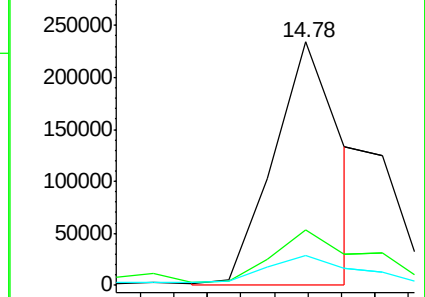
125 12.1 9.8 14.6



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: 5.98 ng m

RT: 14.79 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

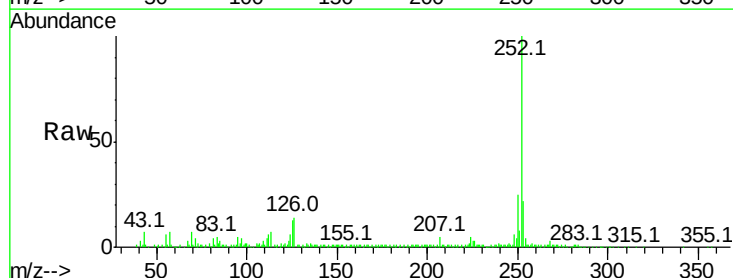
Tgt Ion:252 Resp: 99668

Ion Ratio Lower Upper

252 100

253 22.1 18.5 27.7

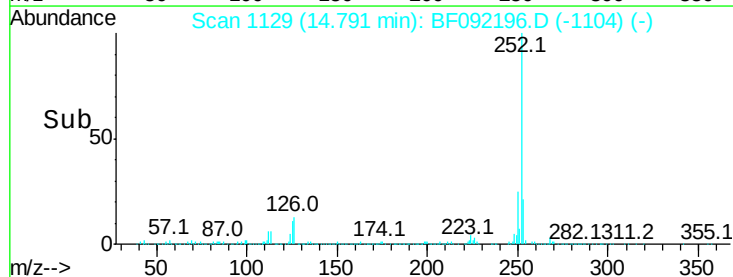
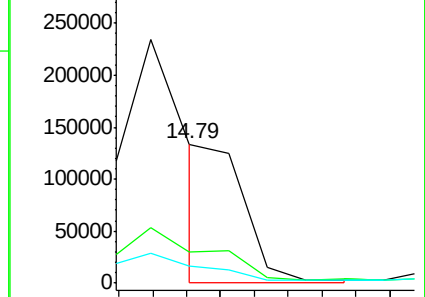
125 12.6 8.9 13.3

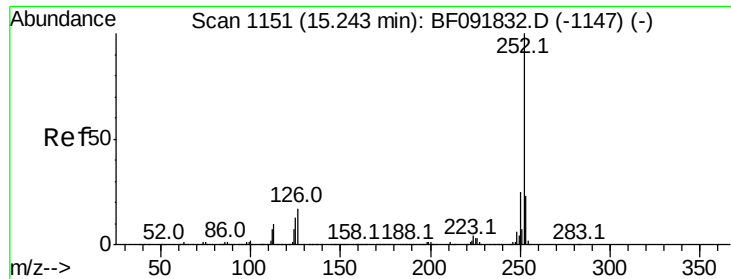


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 15.99 ng

RT: 15.10 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

Instrument :

BNA_F

ClientSampleId :

TP3-COMP13

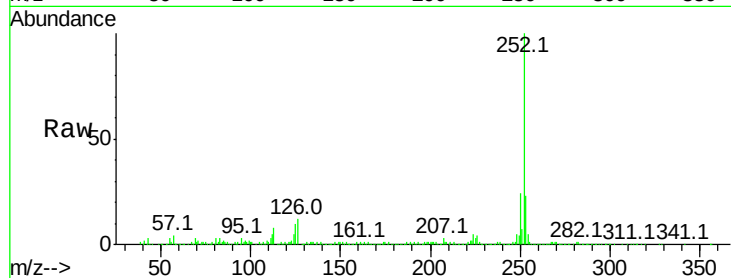
Tot Ion:252 Resp: 277437

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

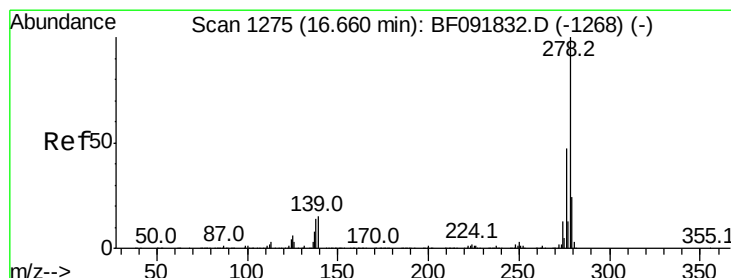
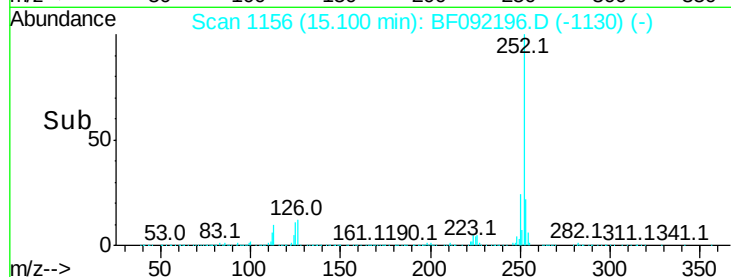
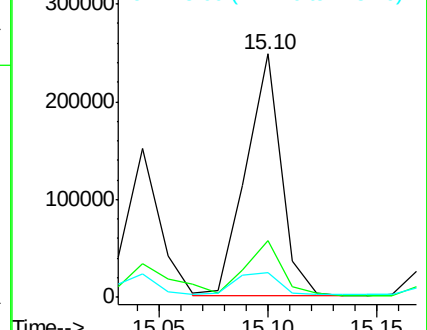
125 10.4 10.0 15.0



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



#90

Dibenzo(a,h)anthracene

Concen: 4.61 ng

RT: 16.43 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF092196.D

Acq: 10 Jan 2017 21:44

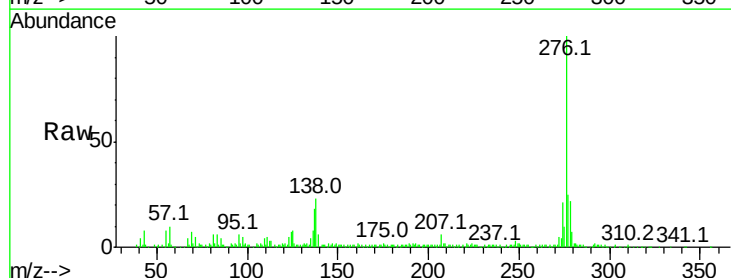
Tgt Ion:278 Resp: 65731

Ion Ratio Lower Upper

278 100

139 26.6 14.8 22.2#

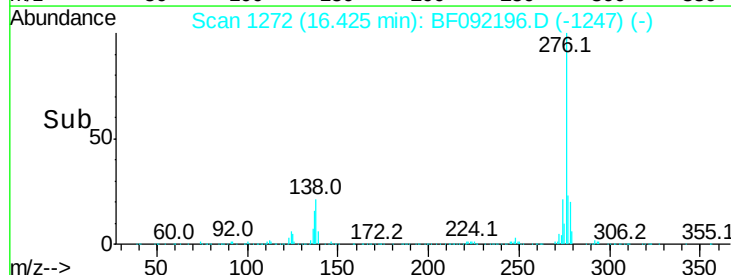
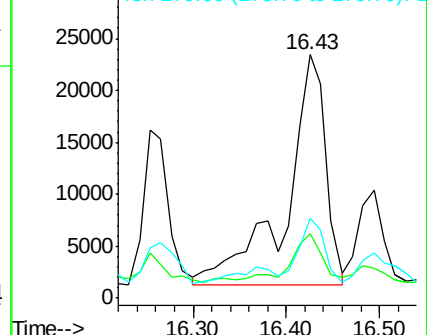
279 32.9 19.8 29.6#

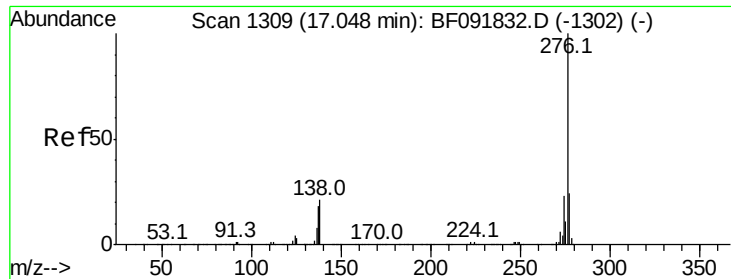


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 12.26 ng
 RT: 16.80 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF092196.D
 Acq: 10 Jan 2017 21:44

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP13

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	24.3	16.0	24.0

