

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
 Data File : BF094973.D
 Acq On : 8 May 2017 7:18
 Operator : SJ/MA
 Sample : I2969-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-COMP

Quant Time: May 08 12:24:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	106092	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	394037	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	188416	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	312037	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	225142	20.00	ng	-0.02
86) Perylene-d12	20.30	264	217127	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	899903	141.42	ng	-0.01
7) Phenol-d6	7.27	99	1070149	140.16	ng	-0.01
23) Nitrobenzene-d5	8.62	82	652286	104.39	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	200598	130.00	ng	-0.02
44) 2-Fluorobiphenyl	11.52	172	1156746	88.37	ng	-0.01
78) Terphenyl-d14	17.29	244	795620	77.84	ng	-0.02

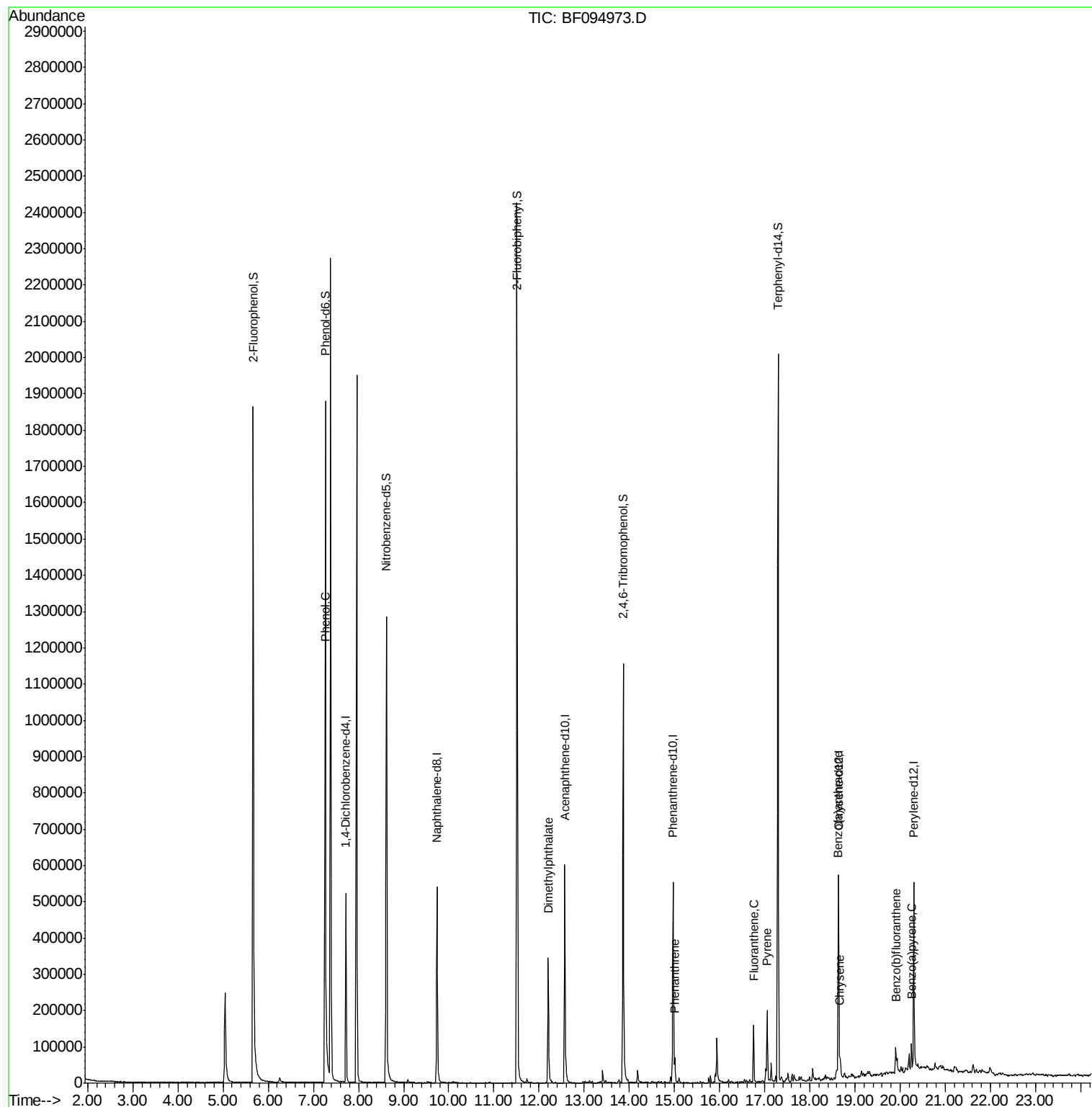
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	21546	2.68	ng	88
49) Dimethylphthalate	12.20	163	227241	14.69	ng	99
70) Phenanthrene	15.01	178	37306	2.08	ng	97
74) Fluoranthene	16.75	202	90786	4.94	ng	97
77) Pyrene	17.05	202	87944	5.22	ng	96
80) Benzo(a)anthracene	18.62	228	35019	2.67	ng	95
82) Chrysene	18.67	228	35424	2.80	ng	100
87) Benzo(b)fluoranthene	19.90	252	41614	3.10	ng	# 96
89) Benzo(a)pyrene	20.25	252	29938	2.42	ng	# 92

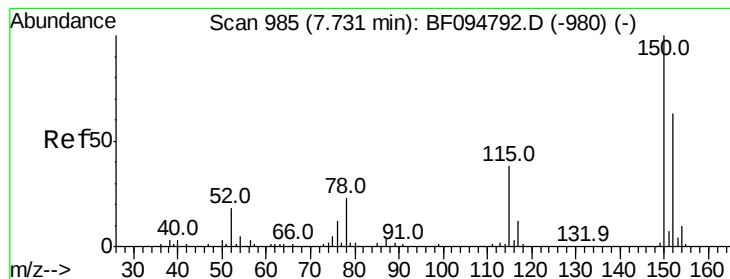
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

Instrument :

BNA_F

ClientSampleId :

TP1-COMP

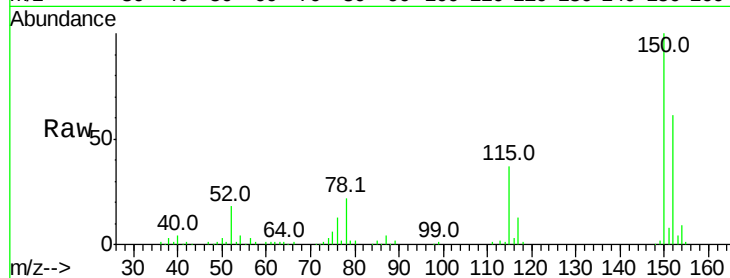
Tot Ion:152 Resp: 106092

Ion Ratio Lower Upper

152 100

150 163.5 126.2 189.2

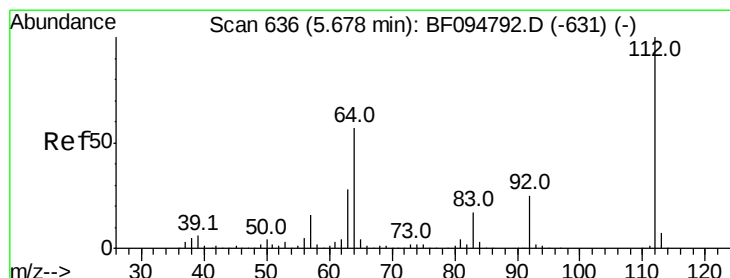
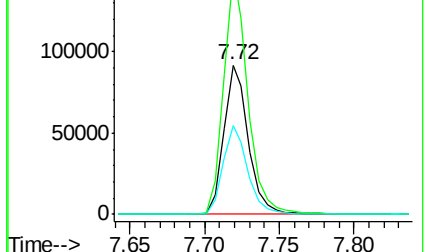
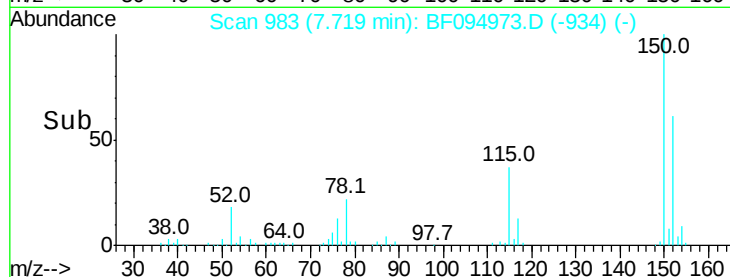
115 59.8 52.2 78.2



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: 141.42 ng

RT: 5.67 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

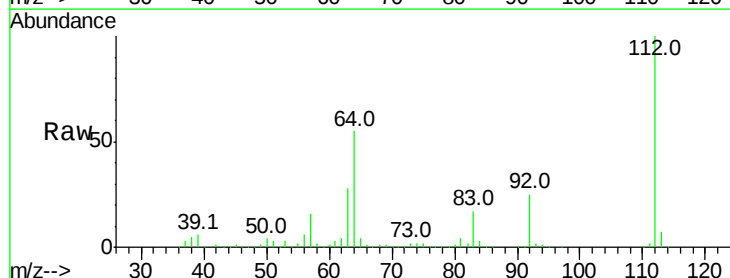
Tgt Ion:112 Resp: 899903

Ion Ratio Lower Upper

112 100

64 55.4 46.0 69.0

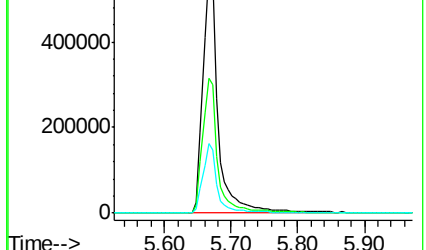
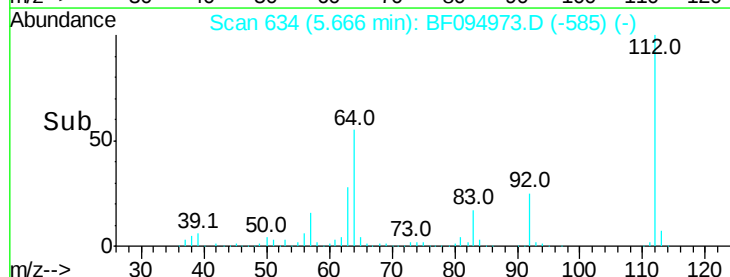
63 28.3 23.4 35.0

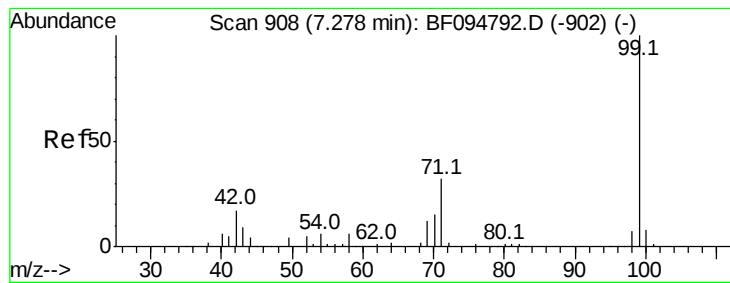


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.16 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

Instrument :

BNA_F

ClientSampleId :

TP1-COMP

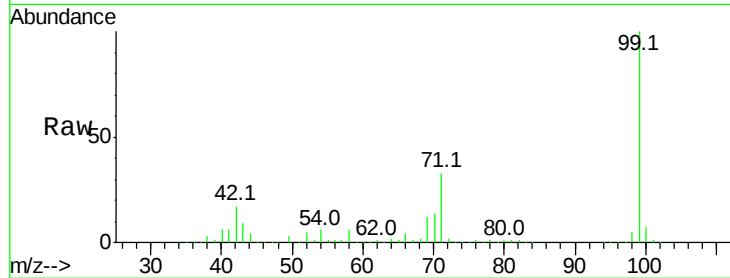
Tot Ion: 99 Resp: 1070149

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

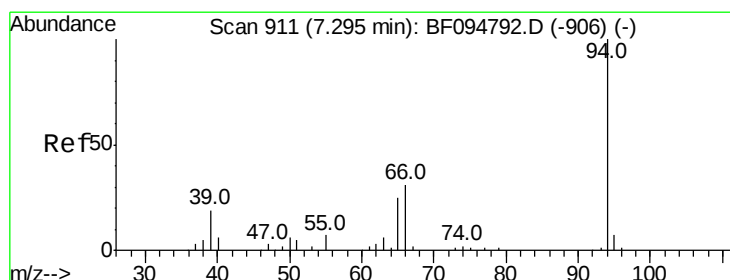
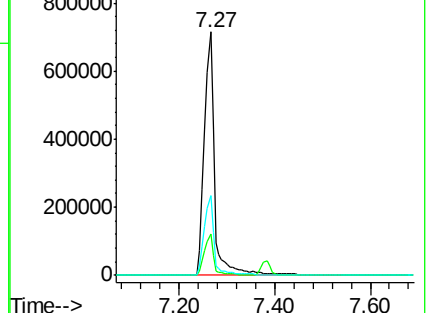
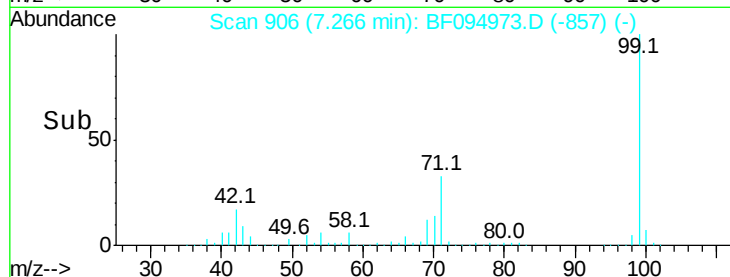
71 32.8 24.5 36.7



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: 2.68 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

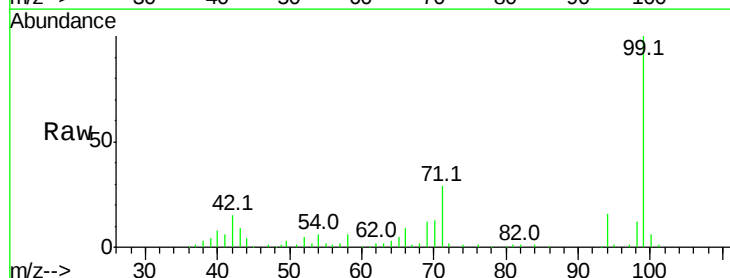
Tgt Ion: 94 Resp: 21546

Ion Ratio Lower Upper

94 100

65 33.5 9.9 49.9

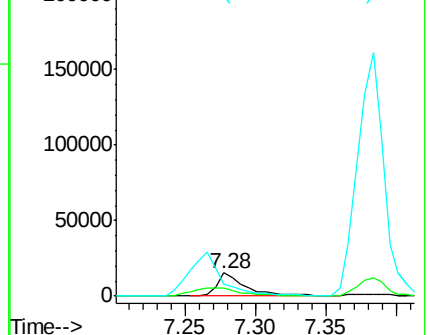
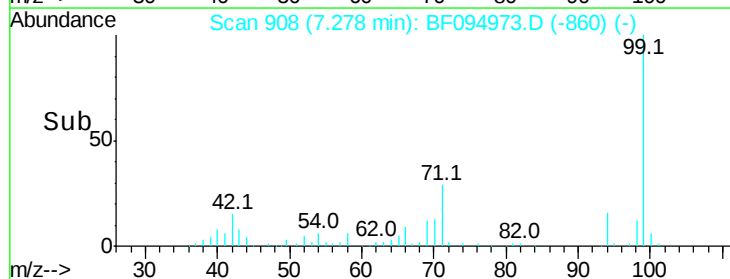
66 53.5 23.1 63.1

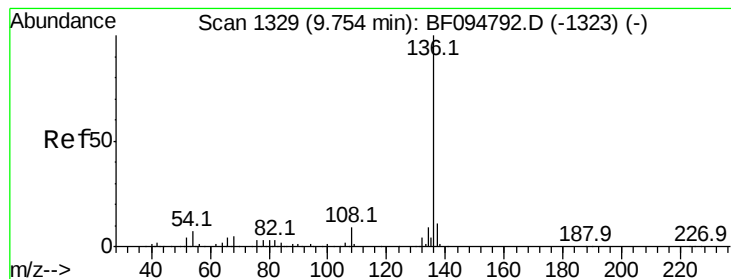


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 9.74 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

Instrument :

BNA_F

ClientSampleId :

TP1-COMP

Tot Ion:136 Resp: 394037

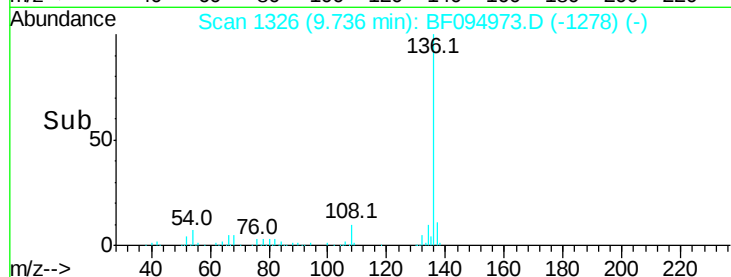
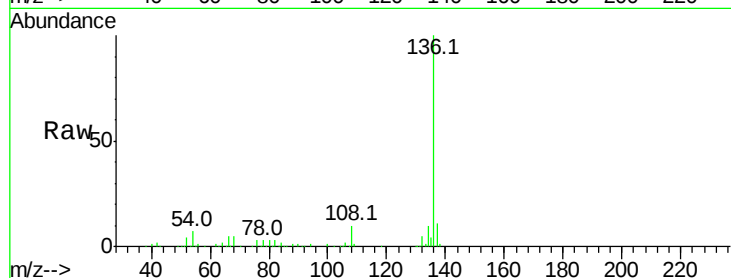
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.3 4.9 7.3

68 5.4 4.1 6.1

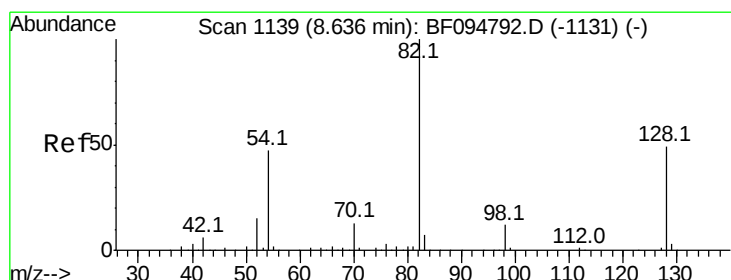
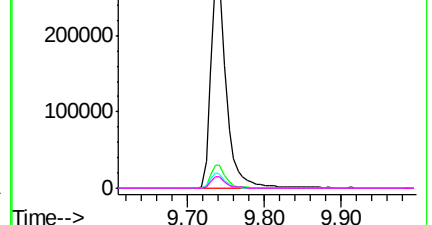


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.39 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

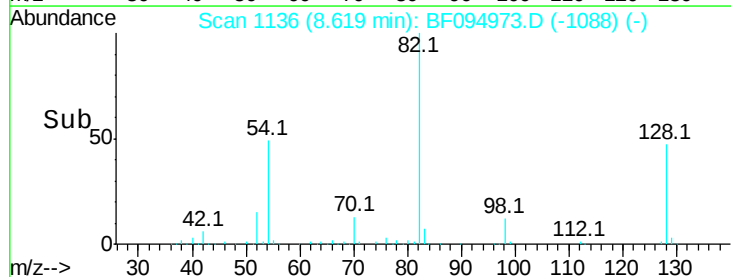
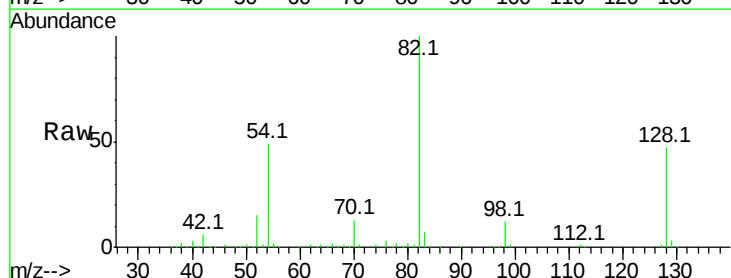
Tgt Ion: 82 Resp: 652286

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

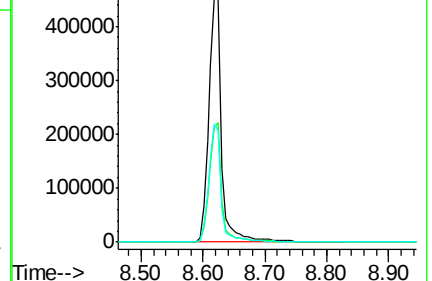
54 48.5 42.2 63.2

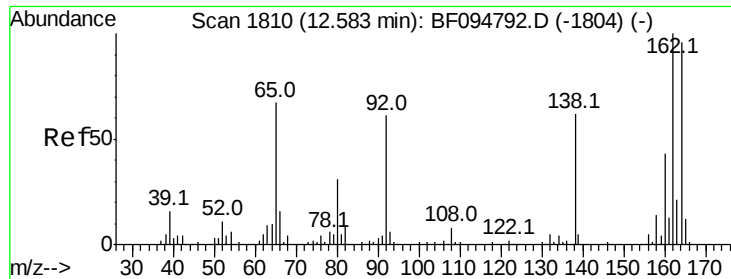


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.57 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

Instrument :

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ClientSampleId :

TP1-COMP

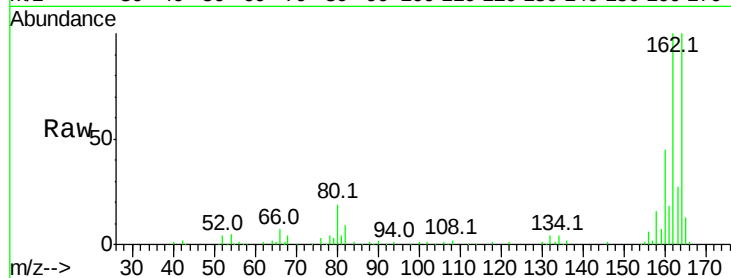
Tot Ion:164 Resp: 188416

Ion Ratio Lower Upper

164 100

162 99.6 82.6 123.8

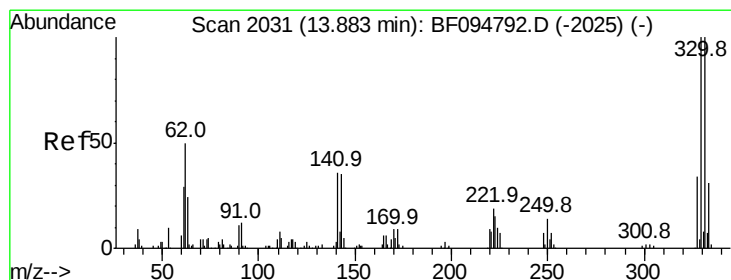
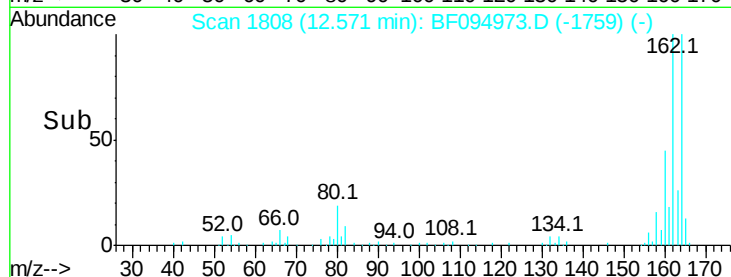
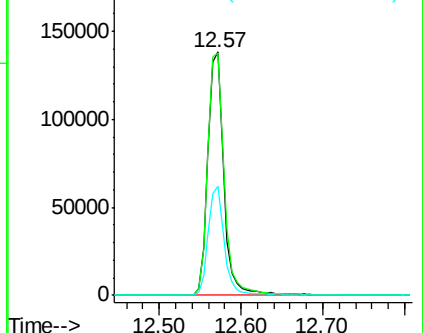
160 44.6 36.2 54.2



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: 130.00 ng

RT: 13.87 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

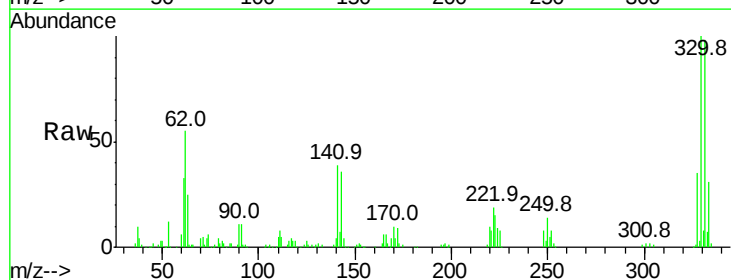
Tgt Ion:330 Resp: 200598

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

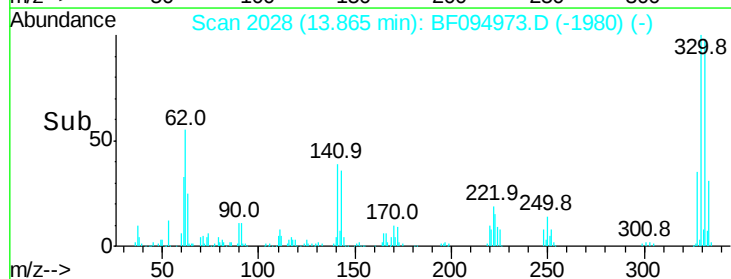
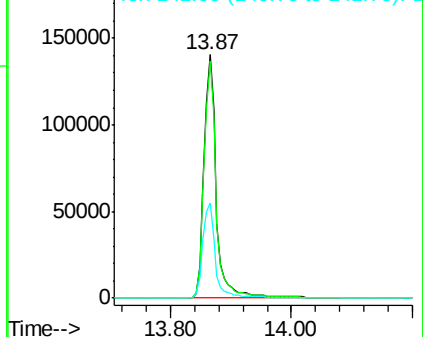
141 39.8 31.4 47.2

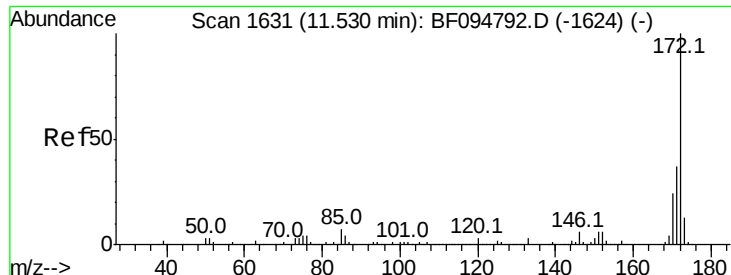


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



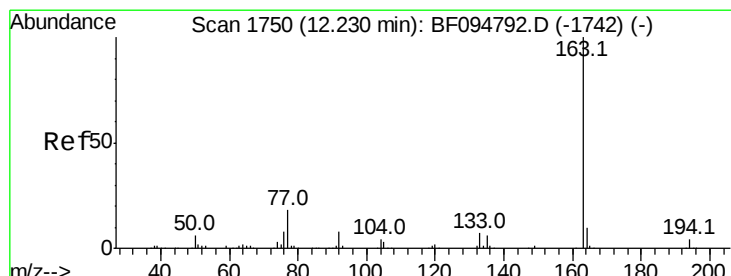
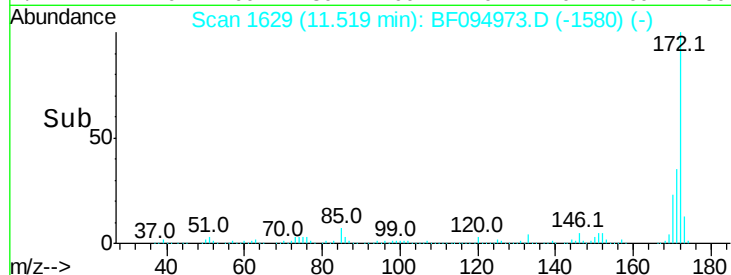
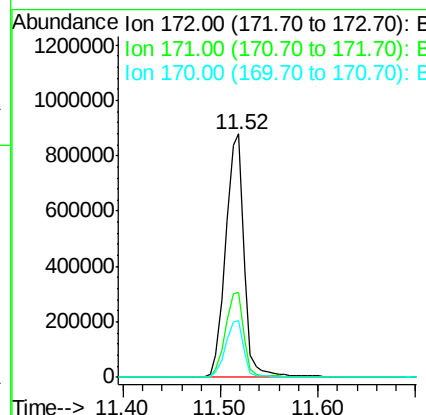
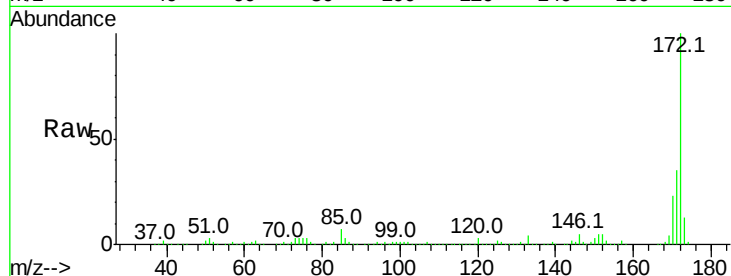


#44
 2-Fluorobiphenyl
 Concen: 88.37 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094973.D
 Acq: 8 May 2017 7:18

Instrument :
 BNA_F
 ClientSampleId :
 TP1-COMP

Tot Ion:172 Resp: 1156746

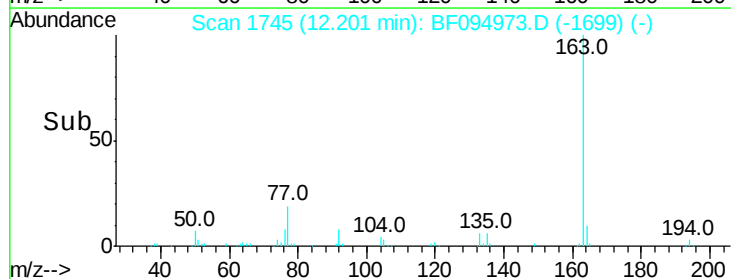
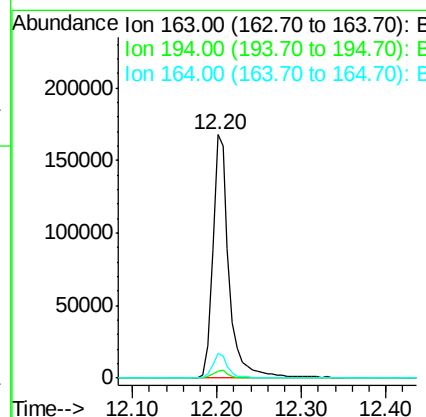
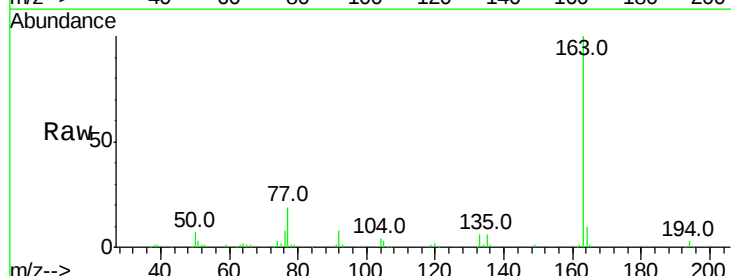
Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.3	19.8	29.8

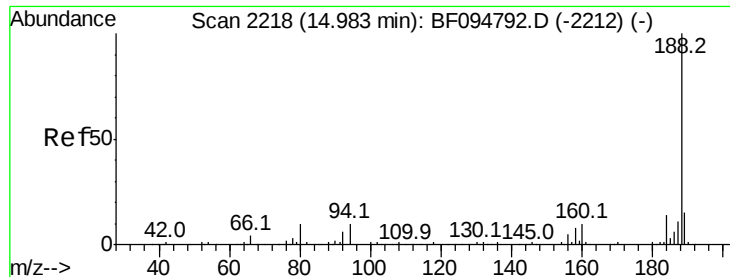


#49
 Dimethylphthalate
 Concen: 14.69 ng
 RT: 12.20 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BF094973.D
 Acq: 8 May 2017 7:18

Tgt Ion:163 Resp: 227241

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.3	8.4	12.6

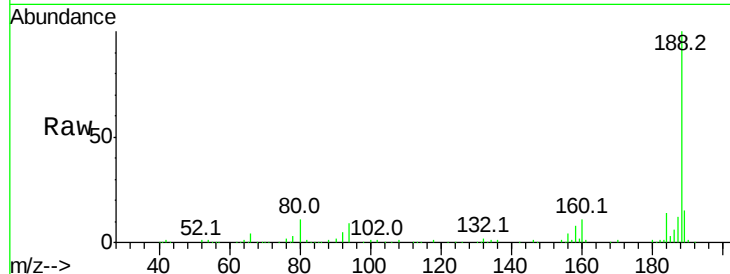




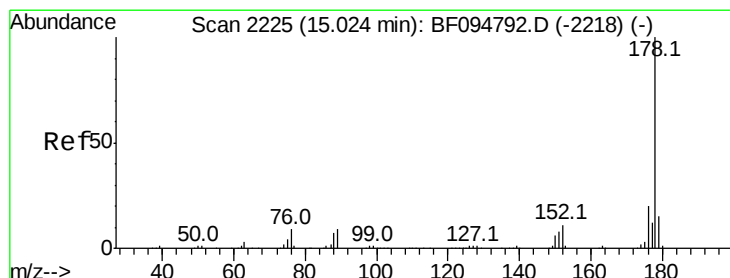
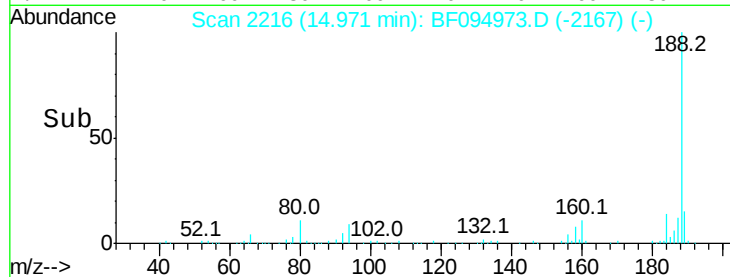
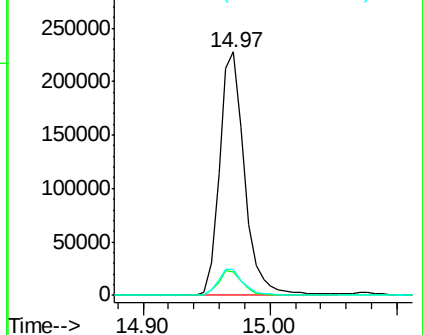
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BF094973.D
 Acq: 8 May 2017 7:18

Instrument :
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 TP1-COMP

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	10.8	10.2	15.2

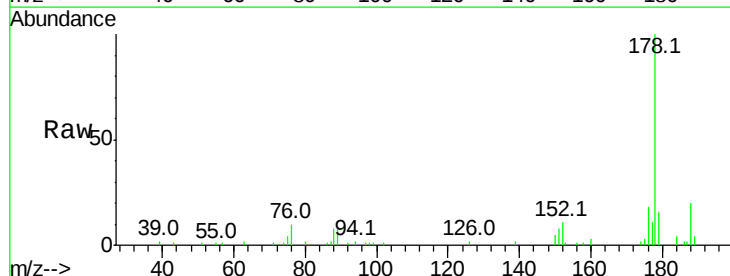


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

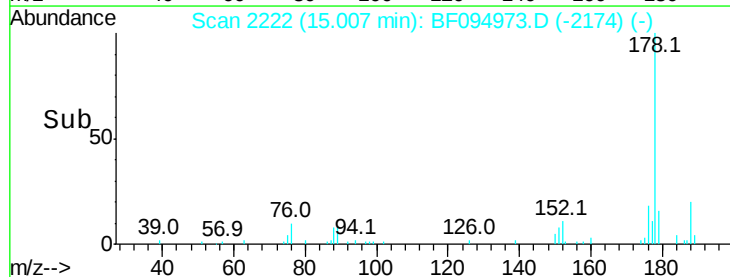
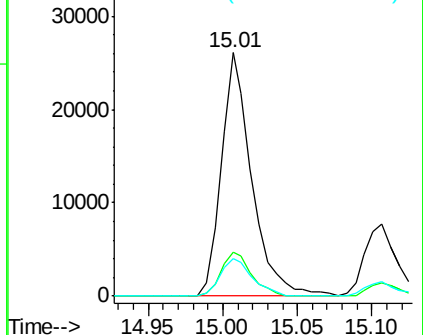


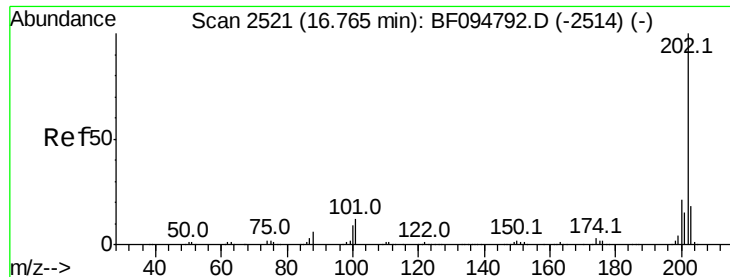
#70
 Phenanthrene
 Concen: 2.08 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF094973.D
 Acq: 8 May 2017 7:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.2	24.4
179	15.7	12.6	19.0



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

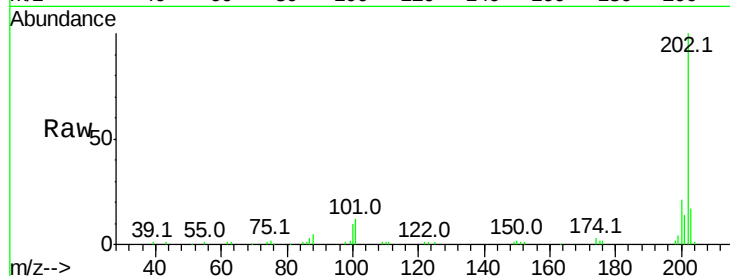




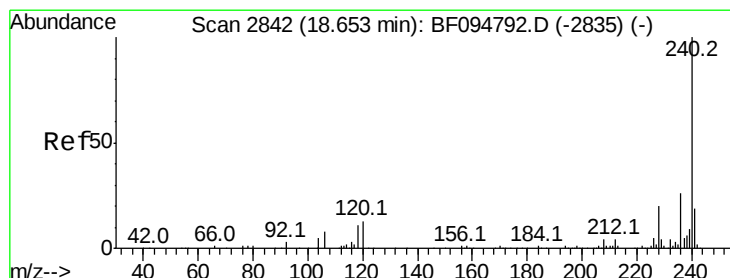
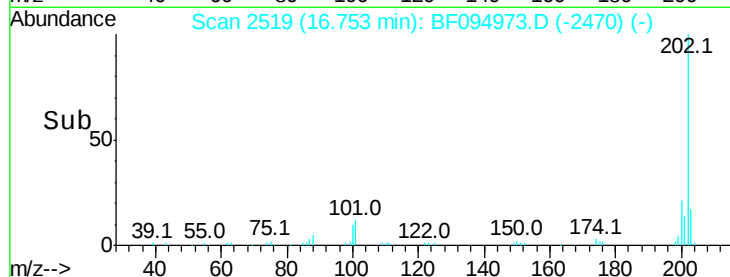
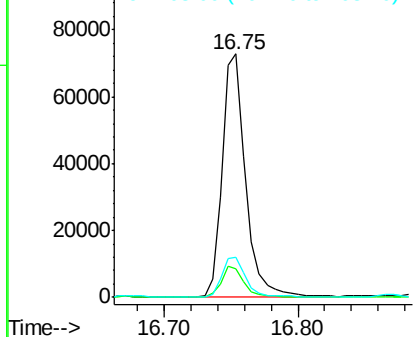
#74
 Fluoranthene
 Concen: 4.94 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094973.D
 Acq: 8 May 2017 7:18

Instrument :
 BNA_F
 ClientSampleId :
 TP1-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.2
203	16.6	0.0	38.1

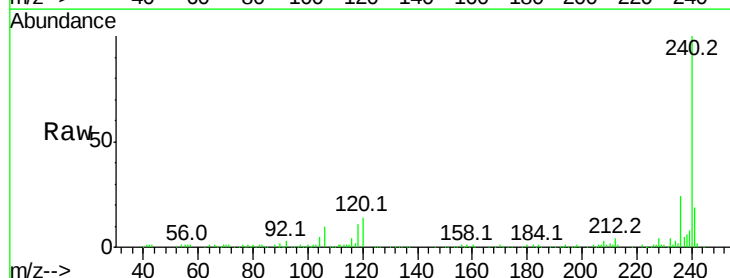


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

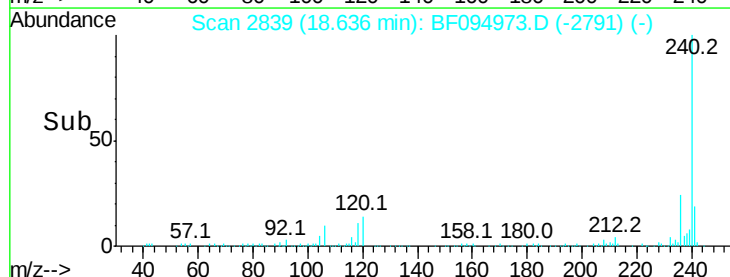
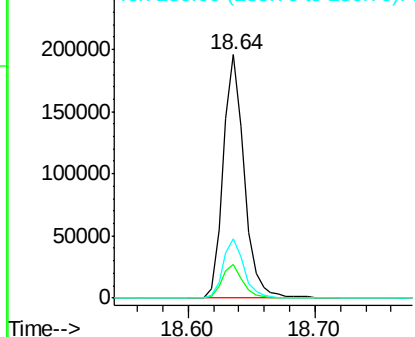


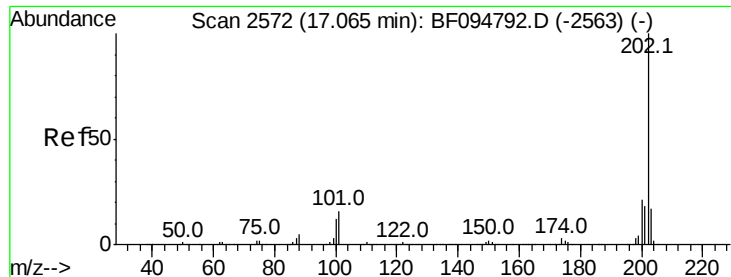
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF094973.D
 Acq: 8 May 2017 7:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	24.3	20.5	30.7



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: 5.22 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

Instrument :

BNA_F

ClientSampleId :

TP1-COMP

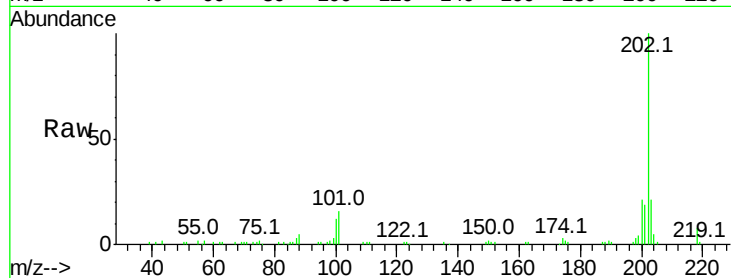
Tot Ion:202 Resp: 87944

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

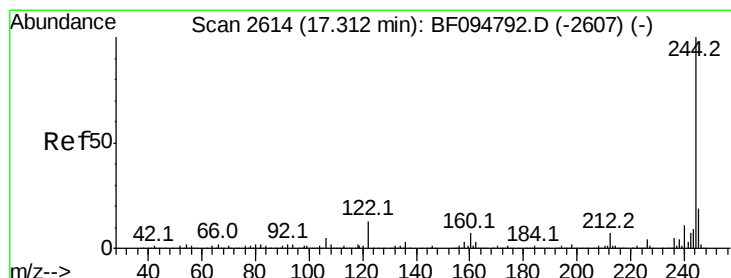
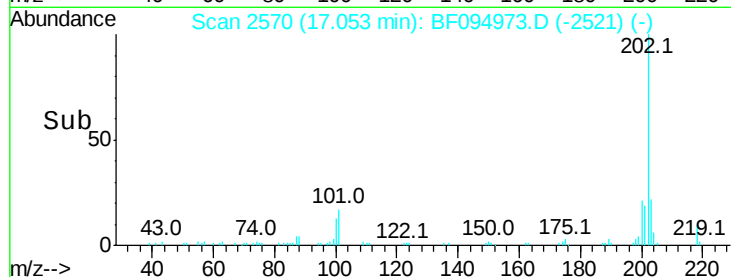
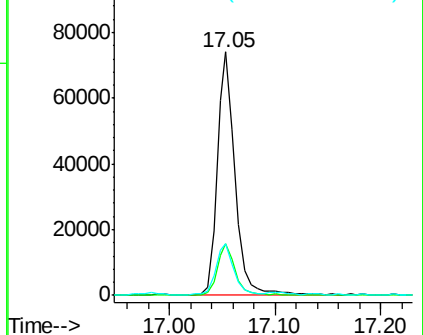
203 21.0 14.4 21.6



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: 77.84 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

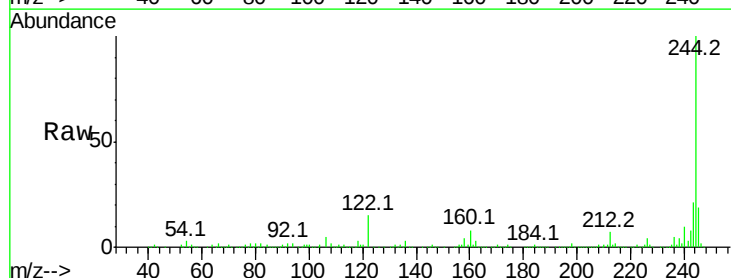
Tgt Ion:244 Resp: 795620

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

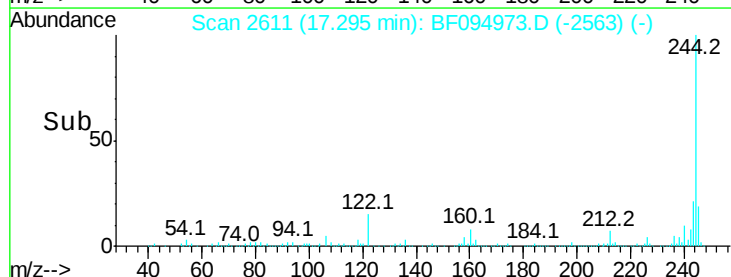
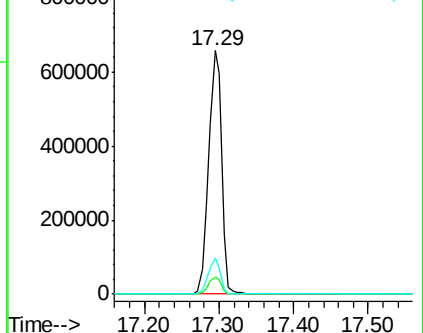
122 14.7 10.3 15.5

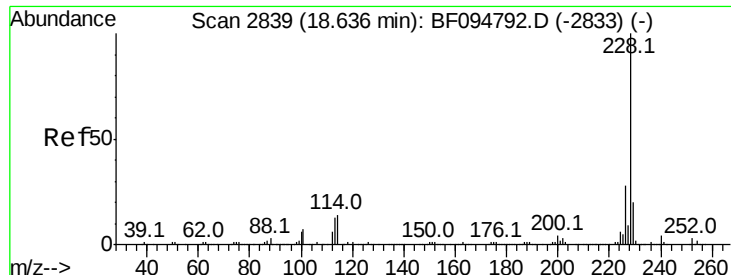


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.67 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

Instrument :

BNA_F

ClientSampleId :

TP1-COMP

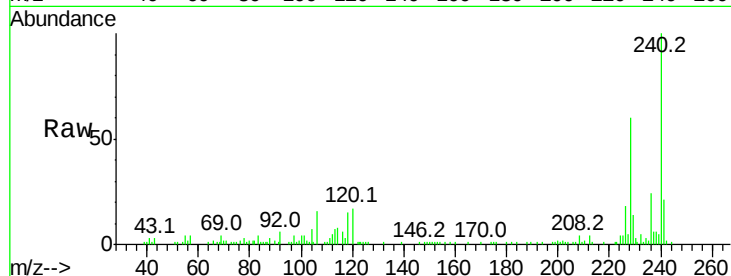
Tot Ion:228 Resp: 35019

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

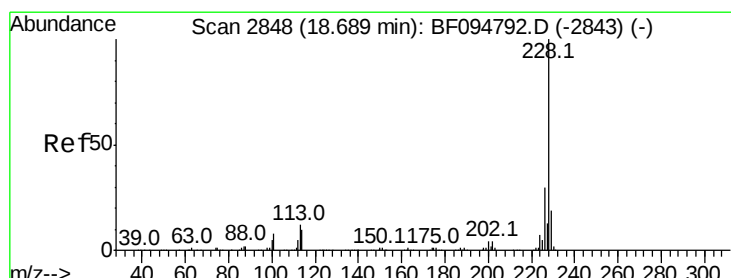
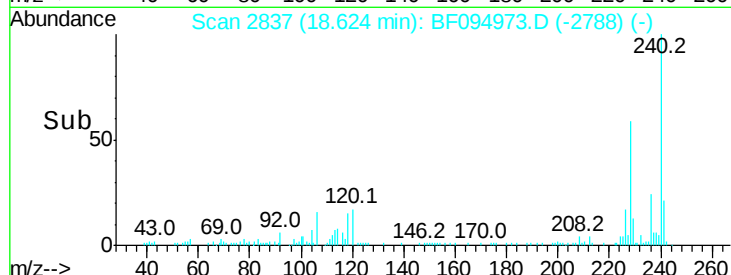
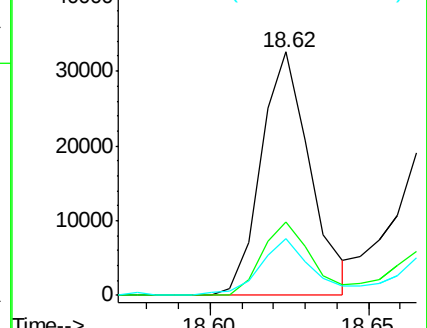
229 23.5 16.3 24.5



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: 2.80 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

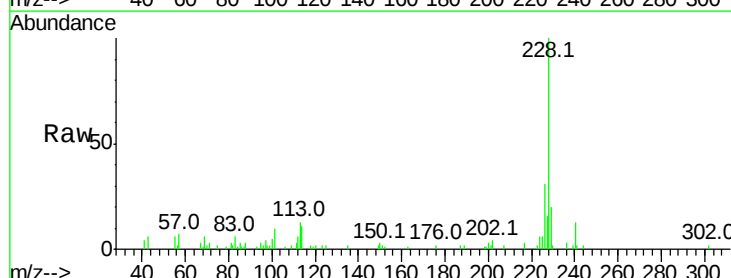
Tgt Ion:228 Resp: 35424

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

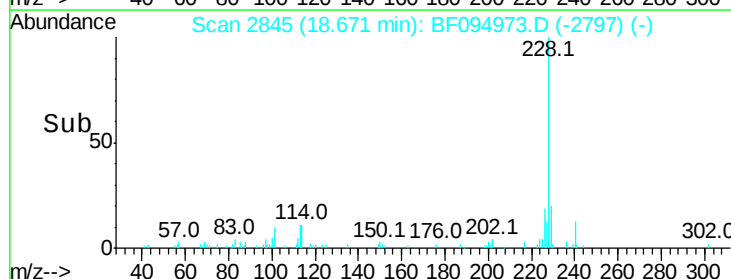
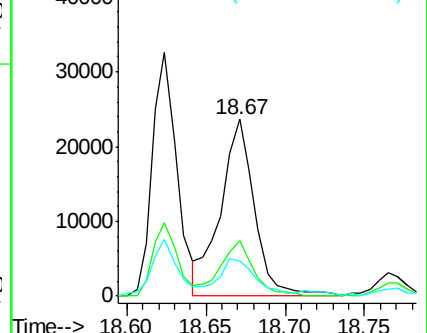
229 19.6 15.8 23.6

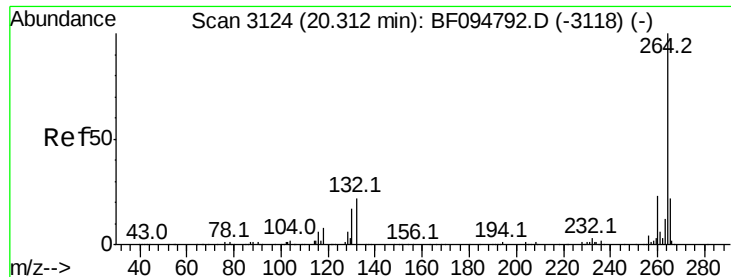


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

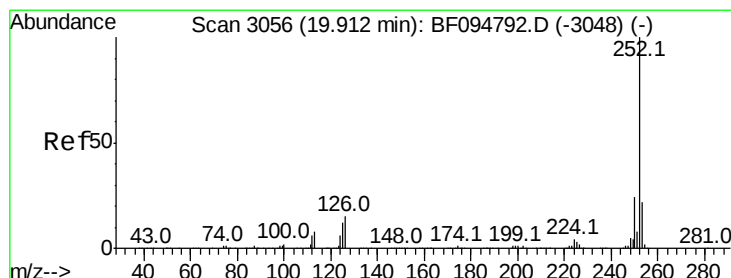
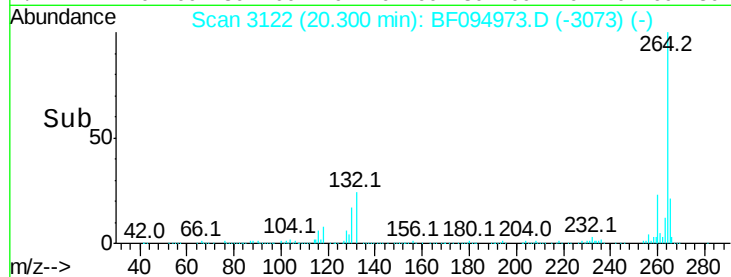
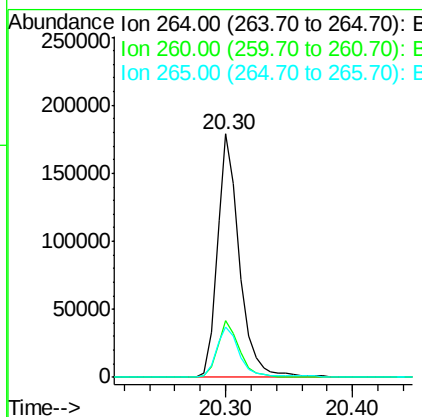
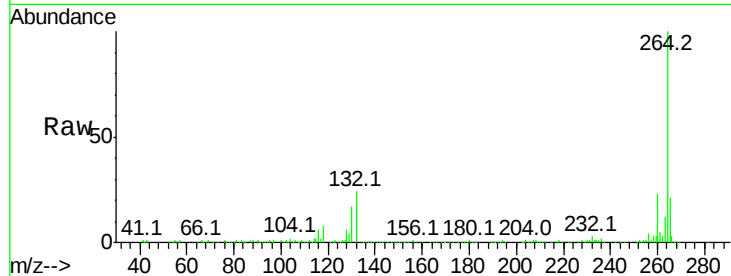




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094973.D
Acq: 8 May 2017 7:18

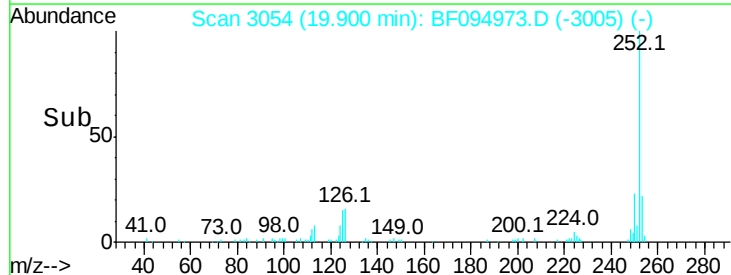
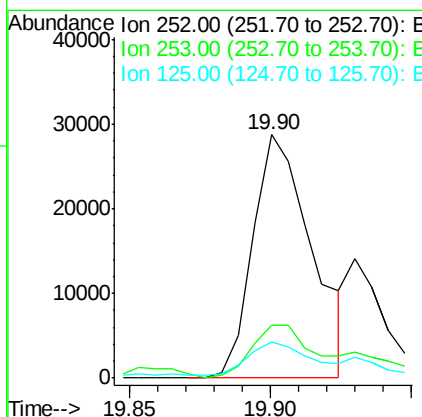
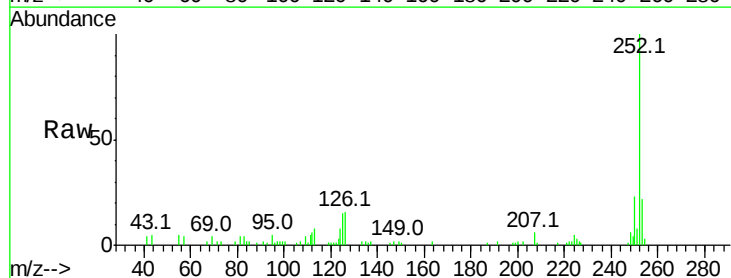
Instrument :
BNA_F
ClientSampleId :
TP1-COMP

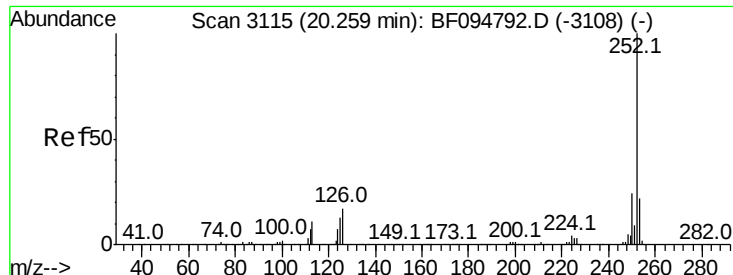
Tot Ion:264 Resp: 217127
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.10 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094973.D
Acq: 8 May 2017 7:18

Tgt Ion:252 Resp: 41614
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 14.8 9.8 14.8#





#89

Benzo(a)pyrene

Concen: 2.42 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094973.D

Acq: 8 May 2017 7:18

Instrument :

BNA_F

ClientSampleId :

TP1-COMP

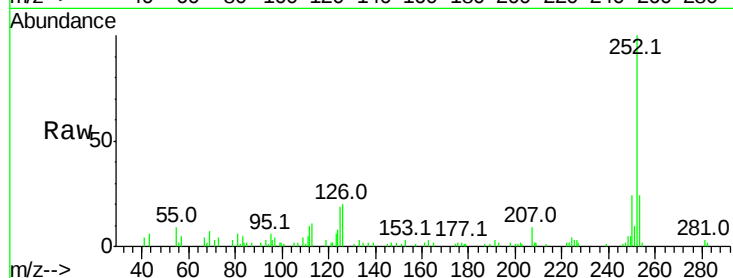
Tot Ion:252 Resp: 29938

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 19.3 11.0 16.4#



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

