

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
 Data File : BF094974.D
 Acq On : 8 May 2017 7:50
 Operator : SJ/MA
 Sample : I2947-20
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 08 09:03:59 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	111608	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	449440	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	183638	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	320634	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	240195	20.00	ng	-0.02
86) Perylene-d12	20.30	264	210205	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	650955	97.24	ng	-0.01
7) Phenol-d6	7.26	99	810664	100.93	ng	-0.02
23) Nitrobenzene-d5	8.62	82	513393	72.03	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	151388	100.66	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	810812	63.55	ng	-0.02
78) Terphenyl-d14	17.29	244	539324	49.46	ng	-0.02

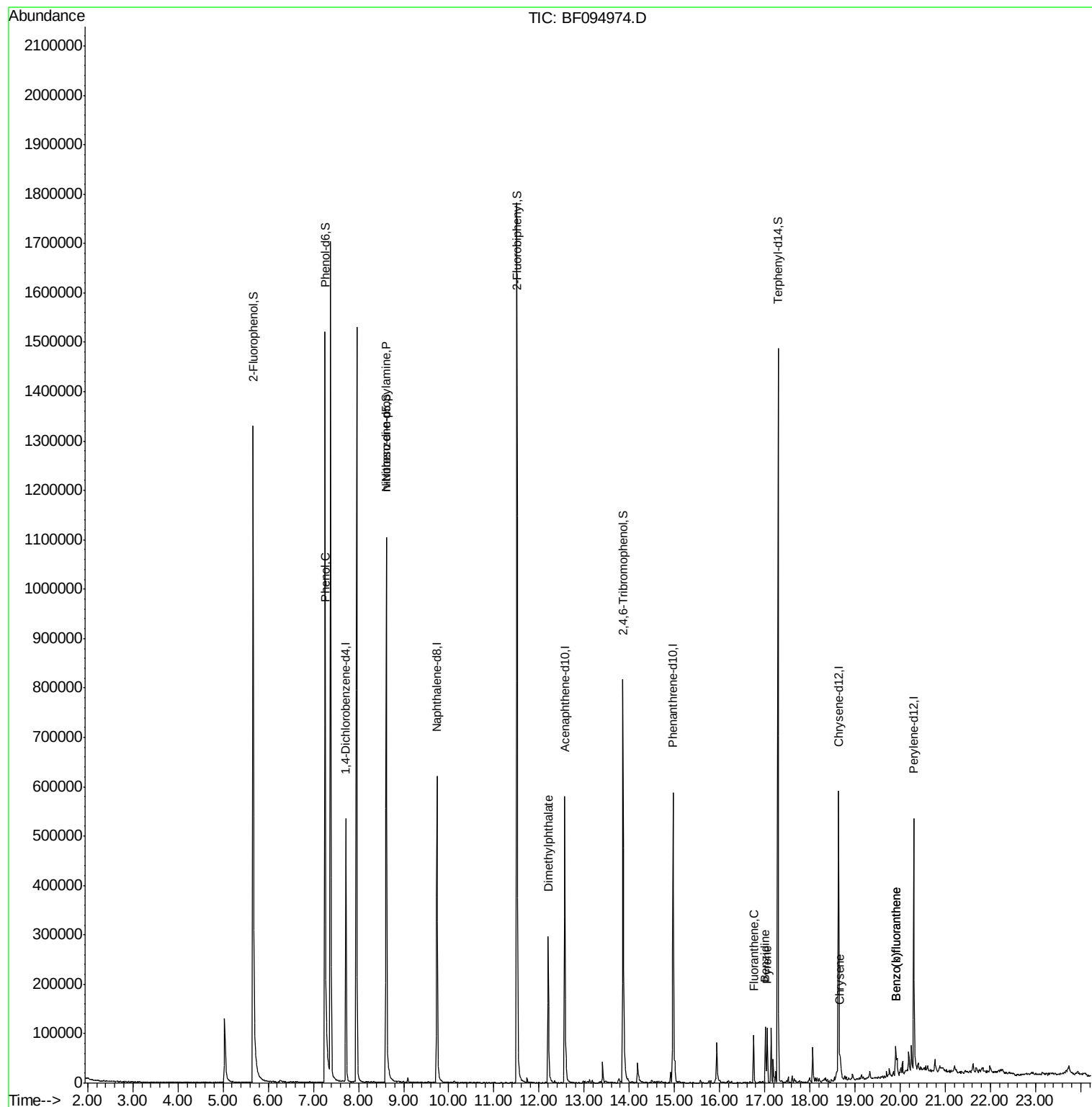
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.27	94	19465	2.30	ng	# 63
19) n-Nitroso-di-n-propylamine	8.62	70	65025	11.97	ng	# 76
49) Dimethylphthalate	12.20	163	198598	13.17	ng	100
74) Fluoranthene	16.75	202	55662	2.95	ng	99
76) Benzydine	17.01	184	3279	7.02	ng	# 36
77) Pyrene	17.05	202	47471	2.64	ng	97
82) Chrysene	18.67	228	27708	2.05	ng	99
87) Benzo(b)fluoranthene	19.90	252	34755	2.68	ng	98
88) Benzo(k)fluoranthene	19.90	252	34755	2.77	ng	97

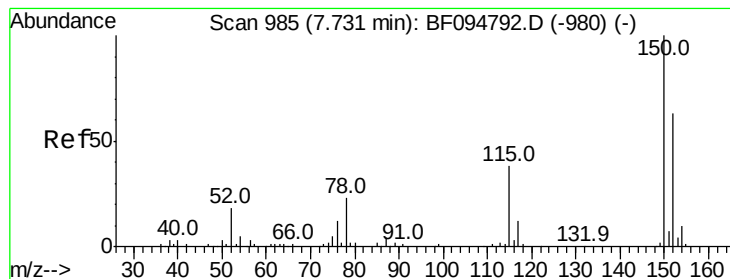
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094974.D

Acq: 8 May 2017 7:50

Instrument :

BNA_F

ClientSampleId :

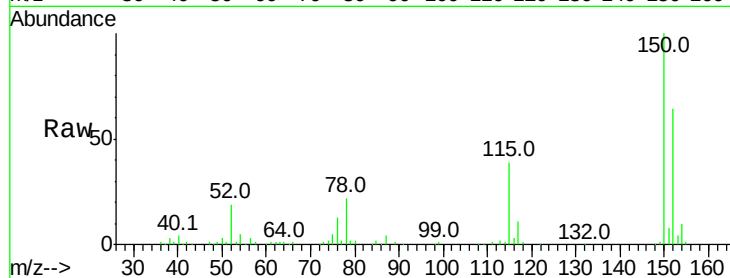
Tot Ion:152 Resp: 111608

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

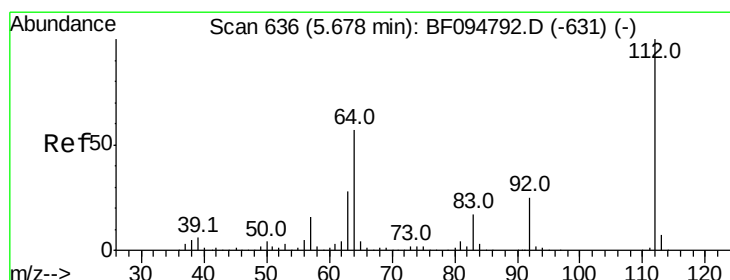
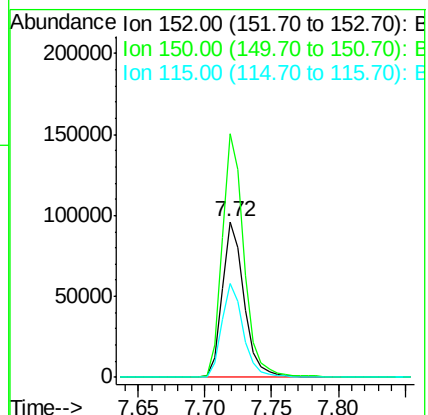
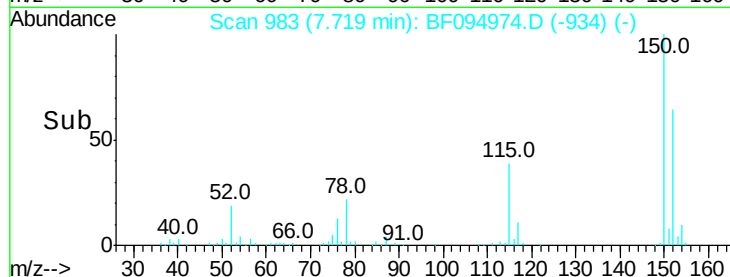
115 60.4 52.2 78.2



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: 97.24 ng

RT: 5.67 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

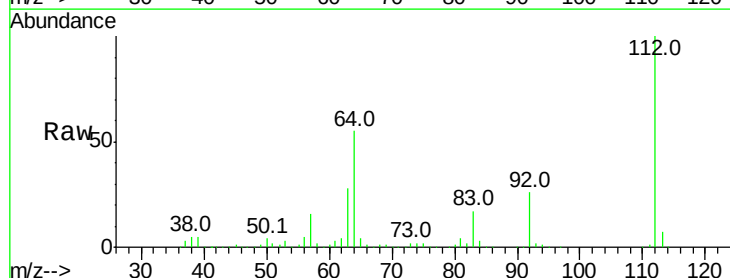
Tgt Ion:112 Resp: 650955

Ion Ratio Lower Upper

112 100

64 55.5 46.0 69.0

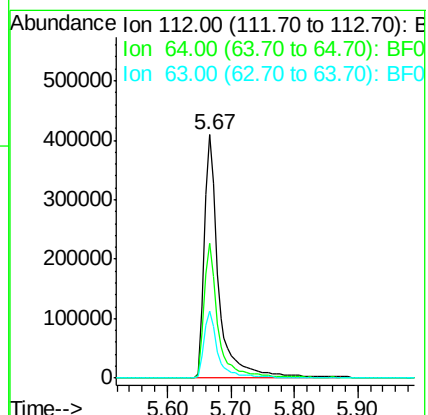
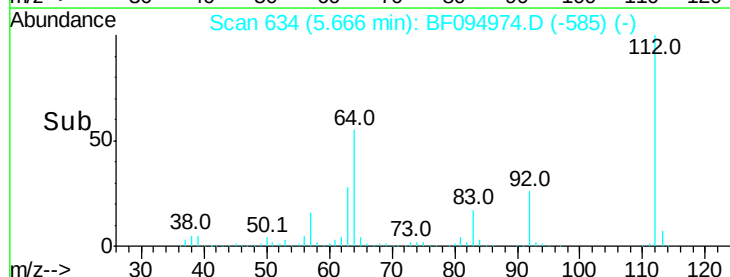
63 27.7 23.4 35.0

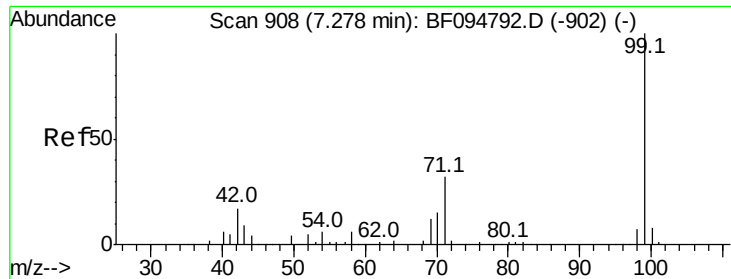


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.93 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

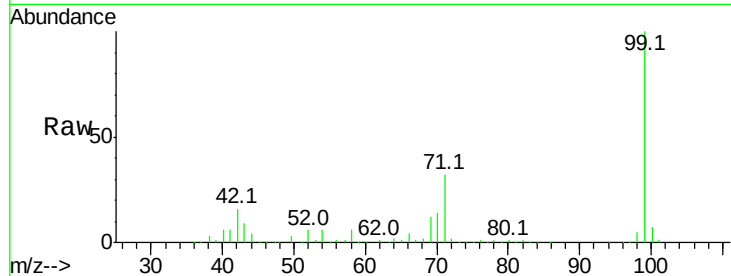
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 810664

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	32.2	24.5	36.7

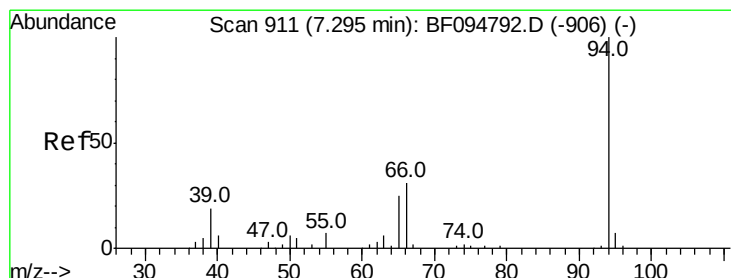
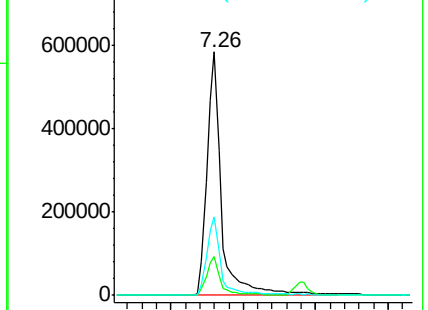
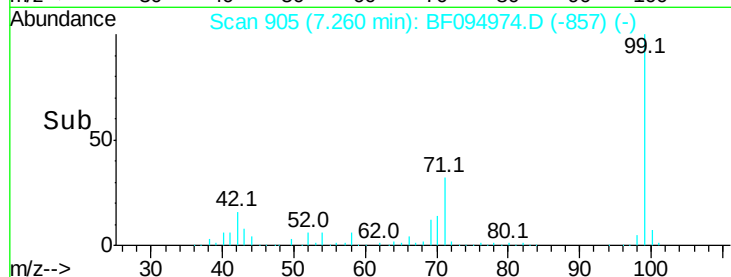


Abundance

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: 2.30 ng

RT: 7.27 min Scan# 907

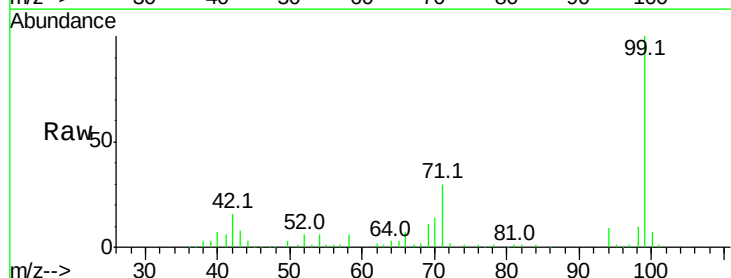
Delta R.T. -0.02 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

Tgt Ion: 94 Resp: 19465

Ion	Ratio	Lower	Upper
94	100		
65	37.1	9.9	49.9
66	76.9	23.1	63.1

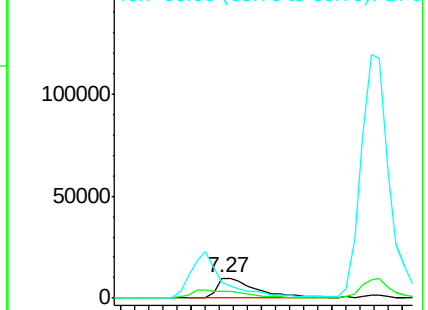
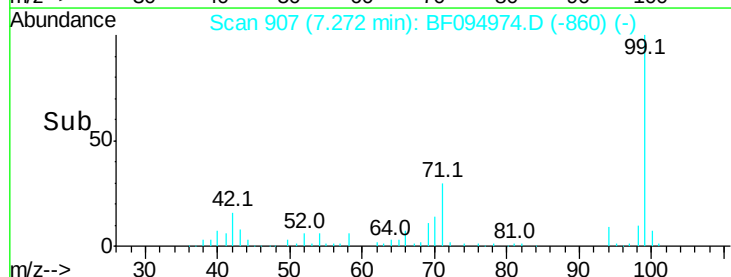


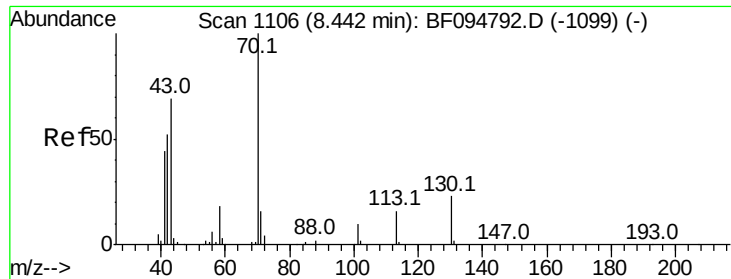
Abundance

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

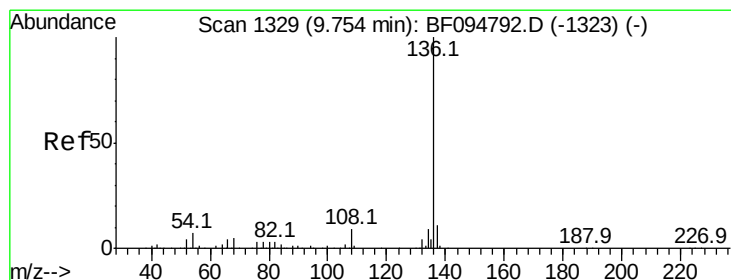
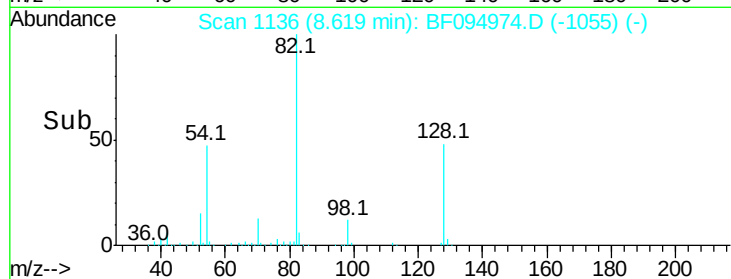
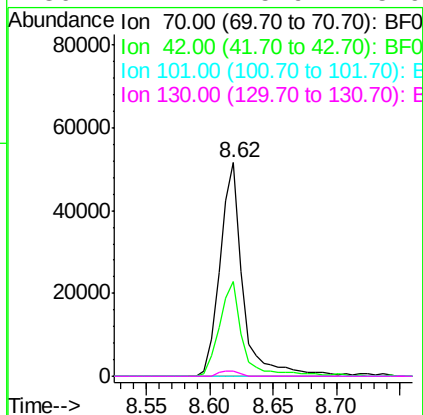
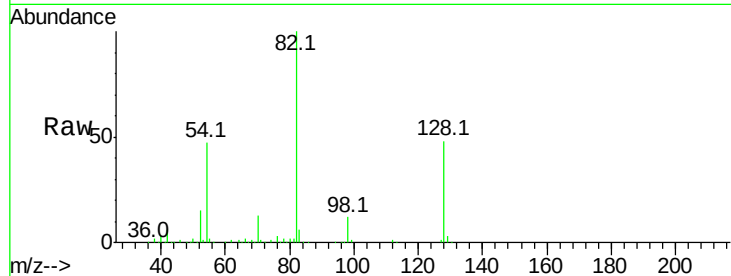




#19
n-Nitroso-di-n-propylamine
Concen: 11.97 ng
RT: 8.62 min Scan# 1136
Delta R.T. 0.18 min
Lab File: BF094974.D
Acq: 8 May 2017 7:50

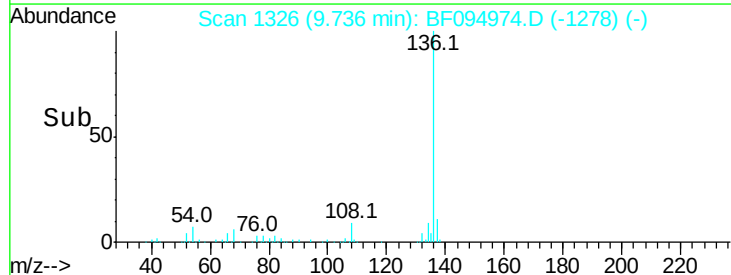
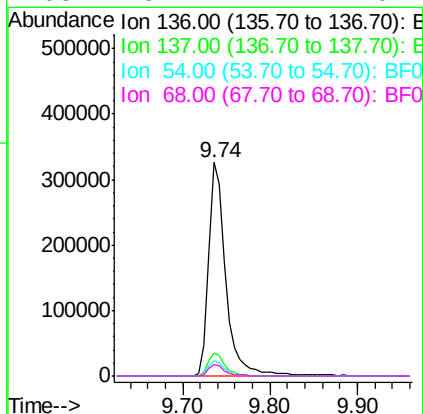
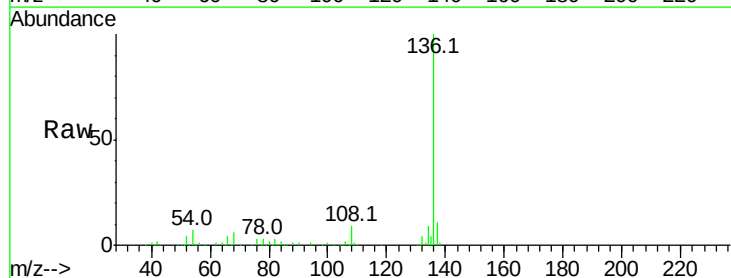
Instrument :
BNA_F
ClientSampleId :

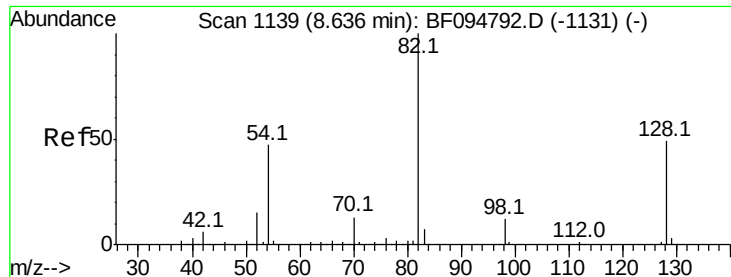
Tot Ion: 70 Resp: 65025
Ion Ratio Lower Upper
70 100
42 44.4 47.2 70.8#
101 0.0 7.2 10.8#
130 2.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF094974.D
Acq: 8 May 2017 7:50

Tgt Ion: 136 Resp: 449440
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.2 4.9 7.3
68 5.7 4.1 6.1

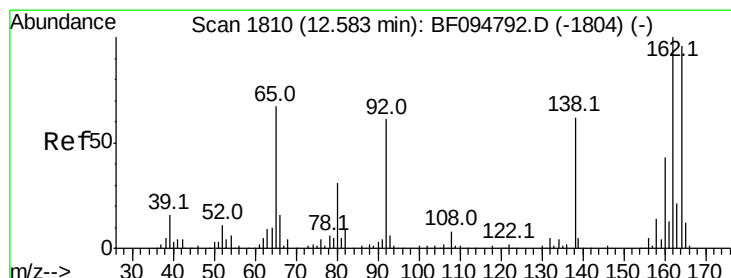
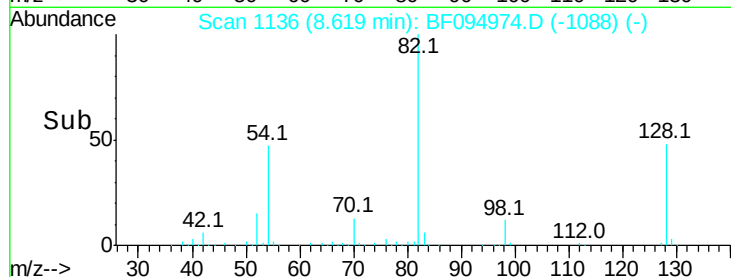
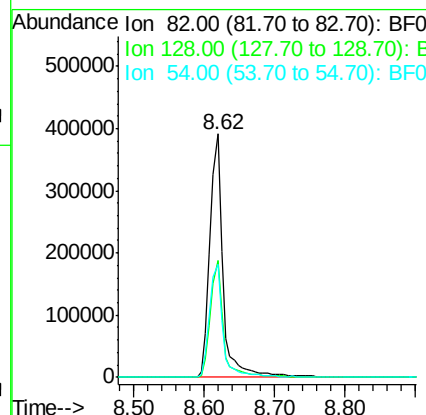
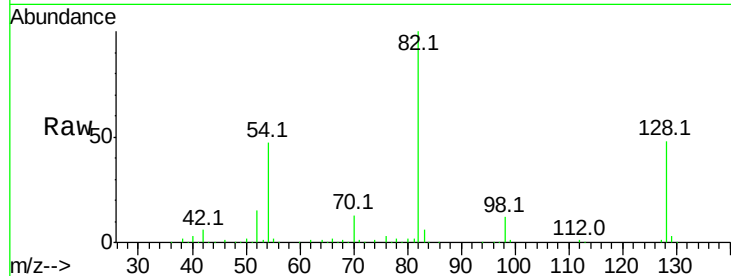




#23
 Nitrobenzene-d5
 Concen: 72.03 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

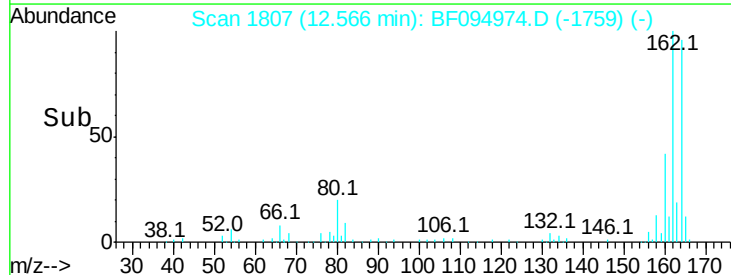
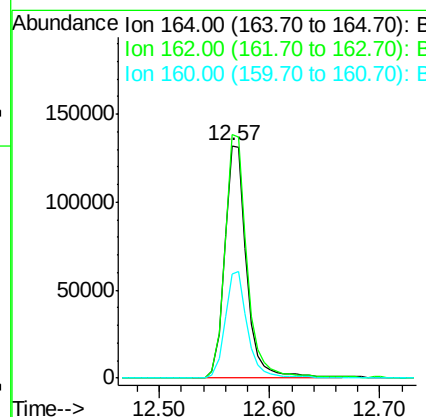
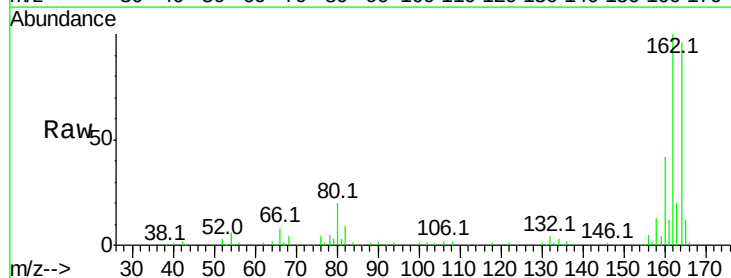
Instrument :
 BNA_F
 ClientSampled :

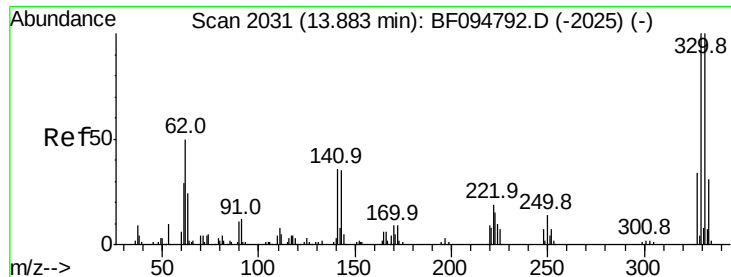
Tot Ion: 82 Resp: 513393
 Ion Ratio Lower Upper
 82 100
 128 47.8 34.0 51.0
 54 46.7 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

Tgt Ion:164 Resp: 183638
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.6 123.8
 160 44.5 36.2 54.2

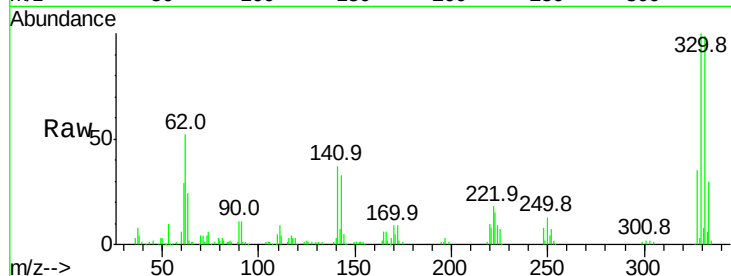




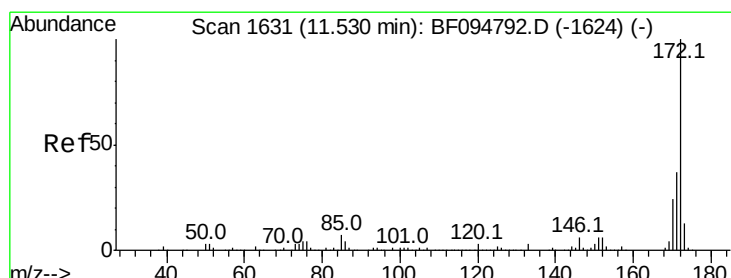
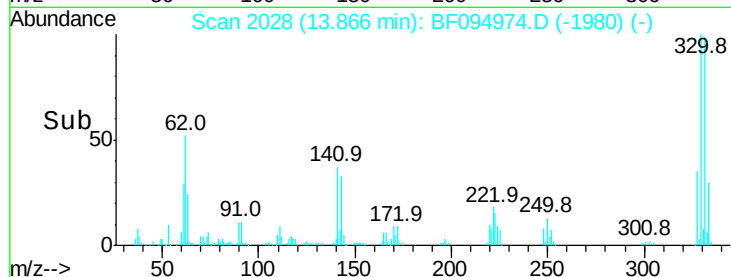
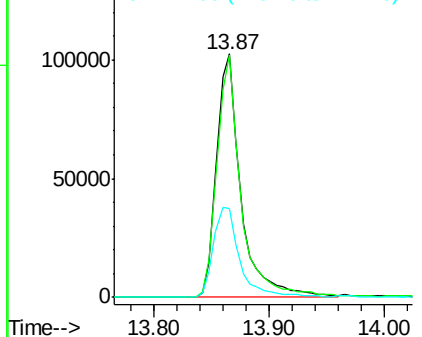
#41
 2,4,6-Tribromophenol
 Concen: 100.66 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.6	115.0
141	40.2	31.4	47.2

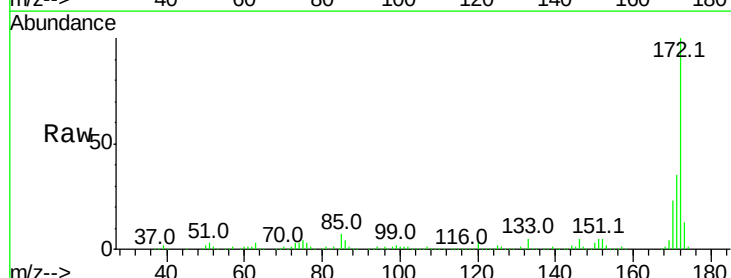


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

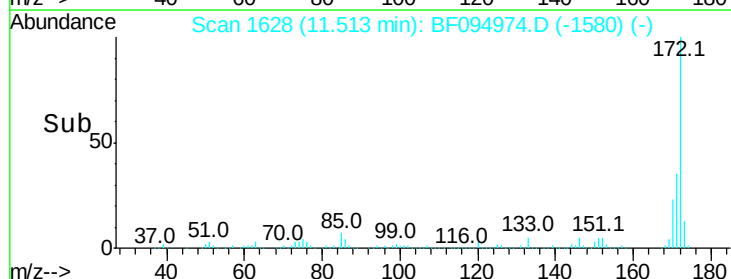
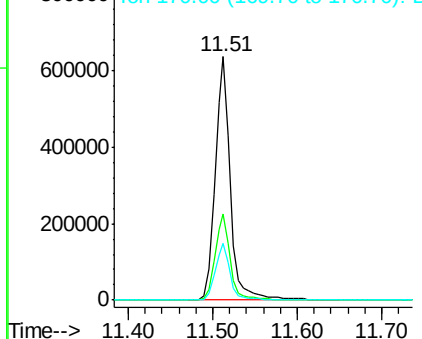


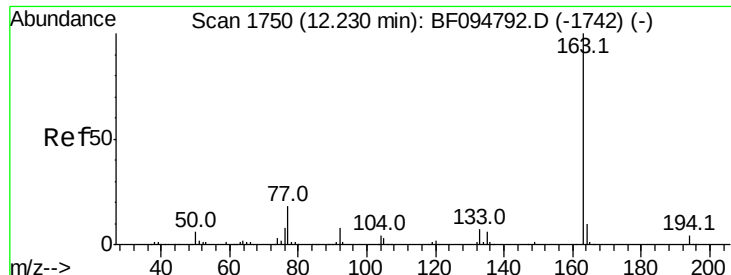
#44
 2-Fluorobiphenyl
 Concen: 63.55 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.5	19.8	29.8



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





#49

Dimethylphthalate

Concen: 13.17 ng

RT: 12.20 min Scan# 1745

Delta R.T. -0.03 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

Instrument :

BNA_F

ClientSampleId :

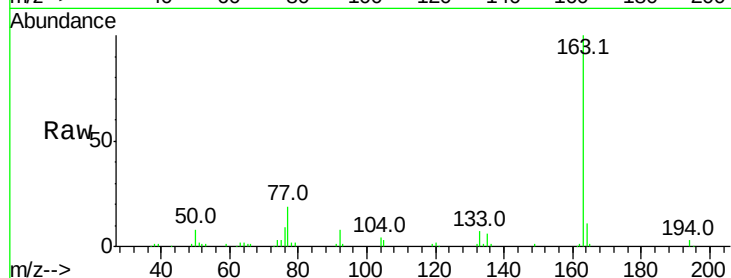
Tot Ion:163 Resp: 198598

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

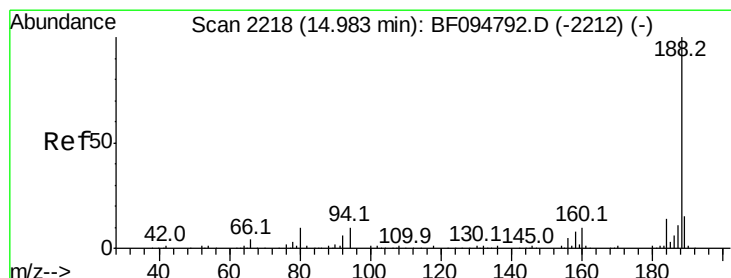
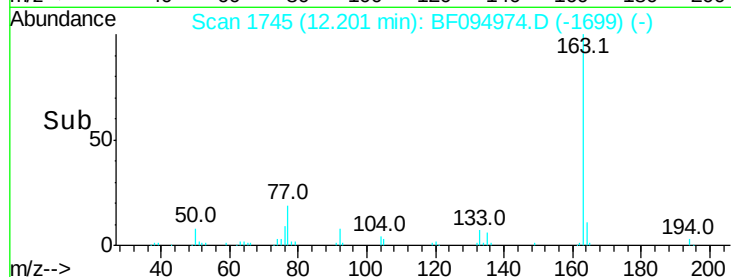
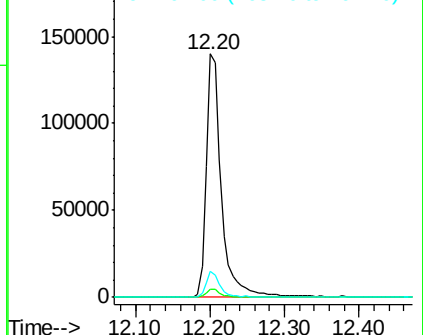
164 10.7 8.4 12.6



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: 14.97 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

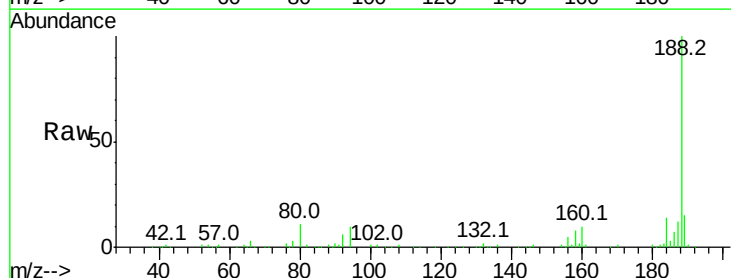
Tgt Ion:188 Resp: 320634

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

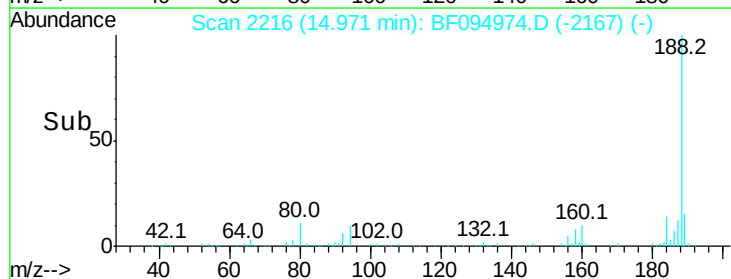
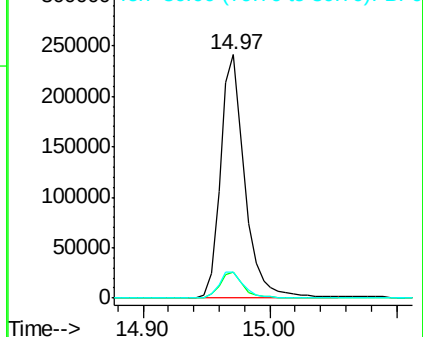
80 10.7 10.2 15.2

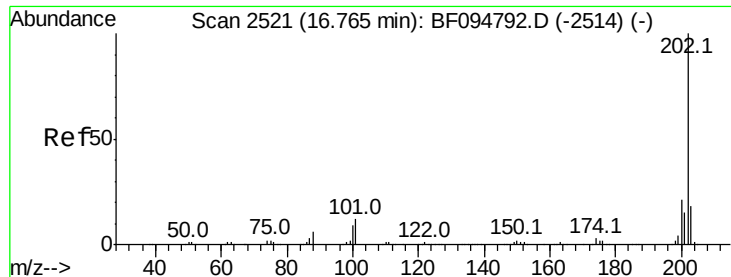


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

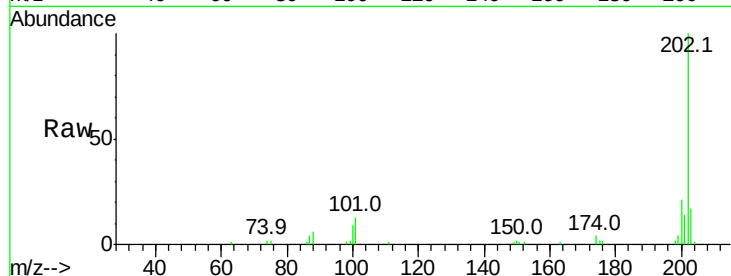




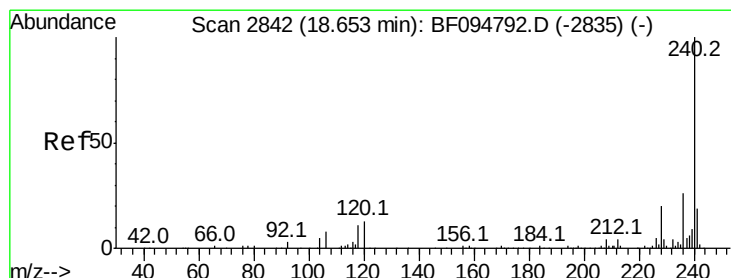
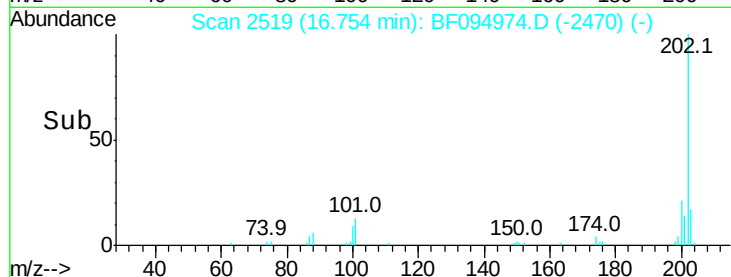
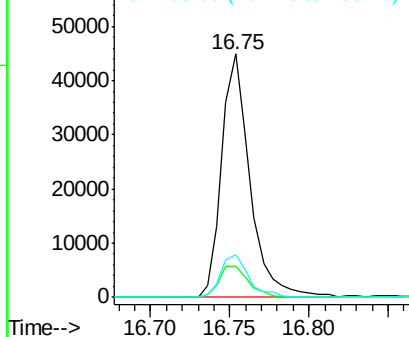
#74
 Fluoranthene
 Concen: 2.95 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.4	0.0	38.1

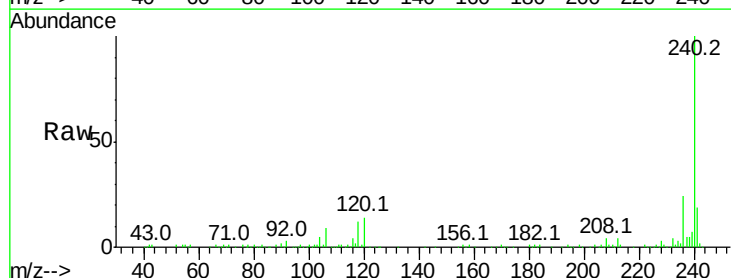


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

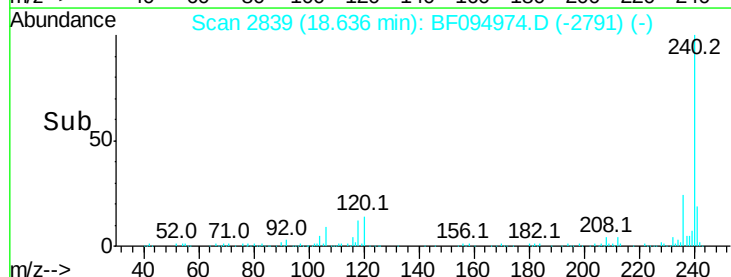
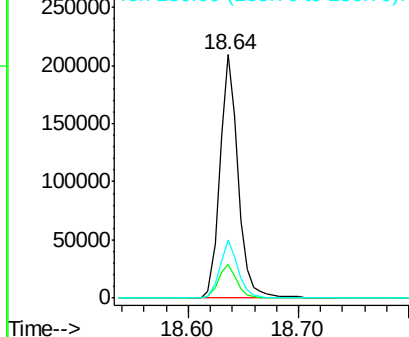


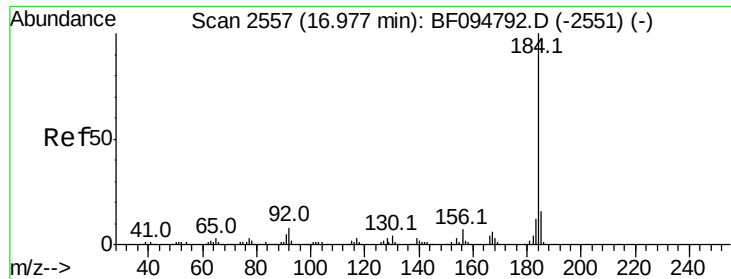
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	23.8	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





#76

Benzidine

Concen: 7.02 ng

RT: 17.01 min Scan# 2563

Delta R.T. 0.04 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

Instrument :

BNA_F

ClientSampleId :

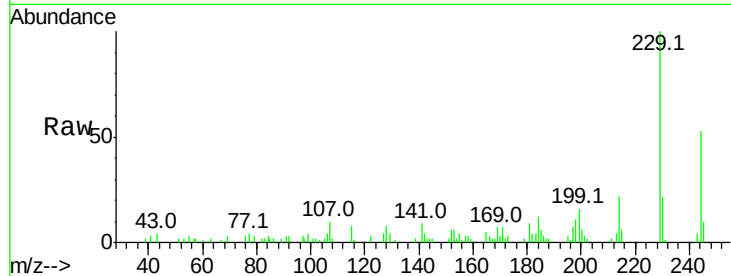
Tot Ion:184 Resp: 3279

Ion Ratio Lower Upper

184 100

185 50.8 15.5 23.3#

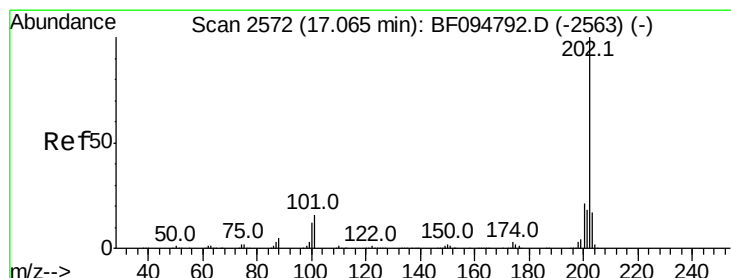
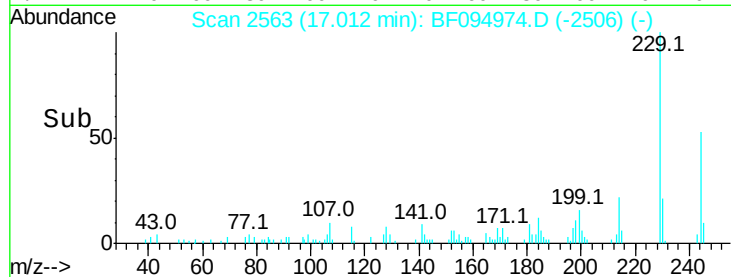
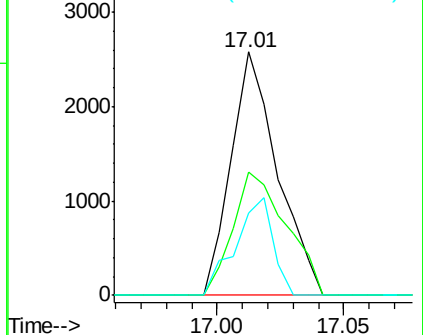
183 33.8 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 2.64 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

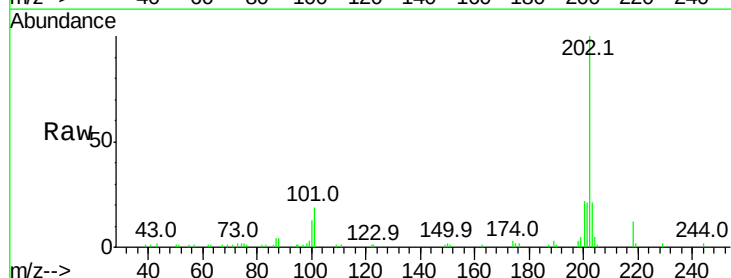
Tgt Ion:202 Resp: 47471

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

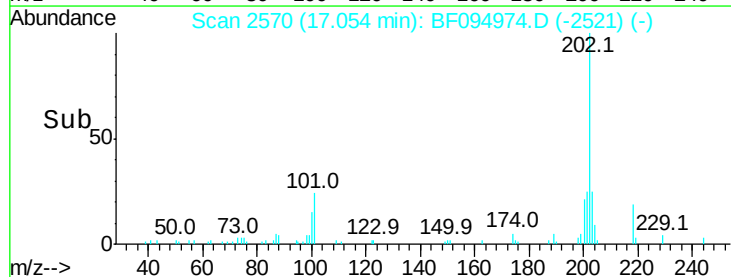
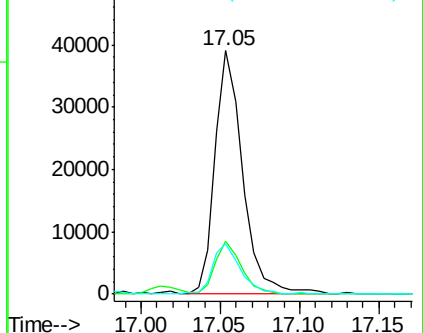
203 20.6 14.4 21.6

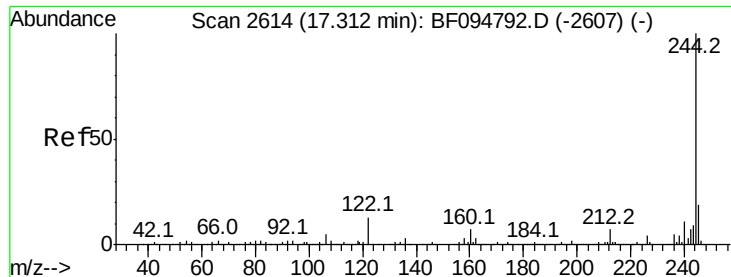


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

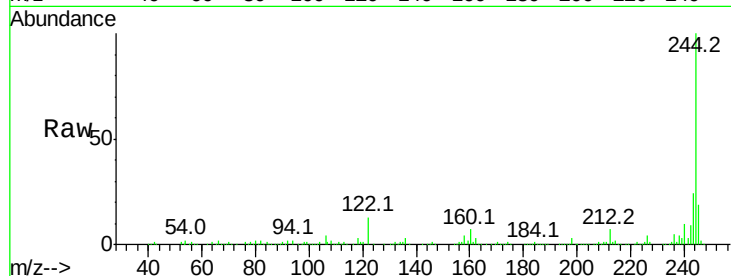




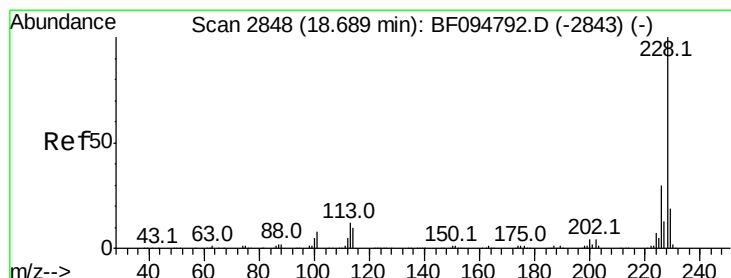
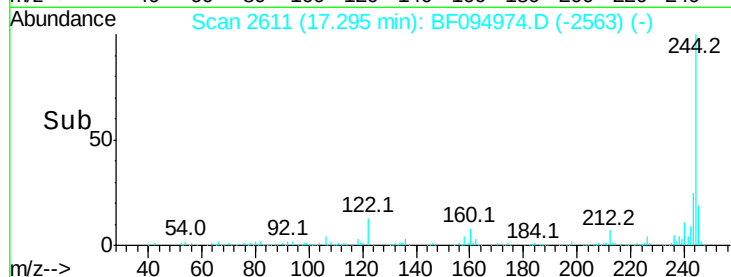
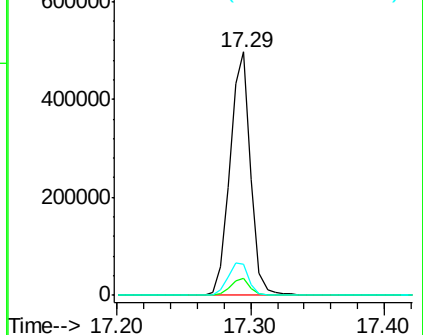
#78
 Terphenyl-d14
 Concen: 49.46 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 539324
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 12.8 10.3 15.5

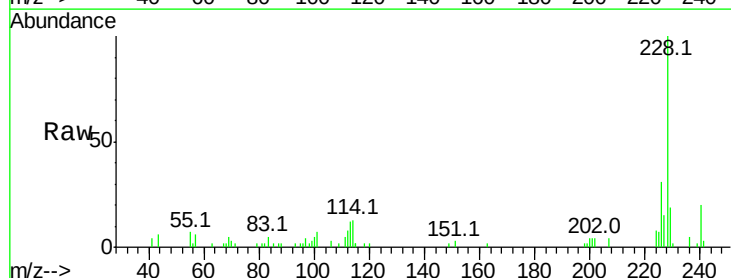


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

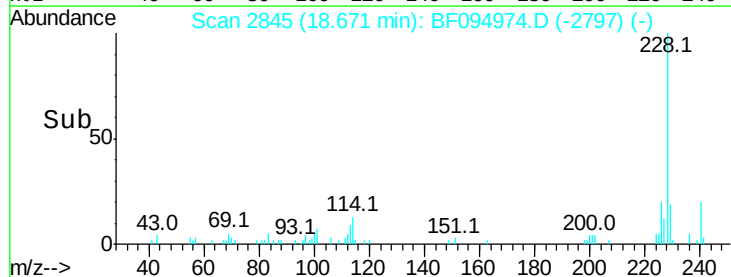
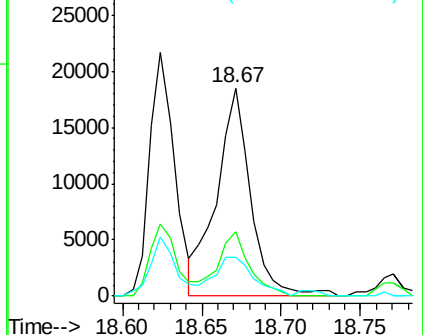


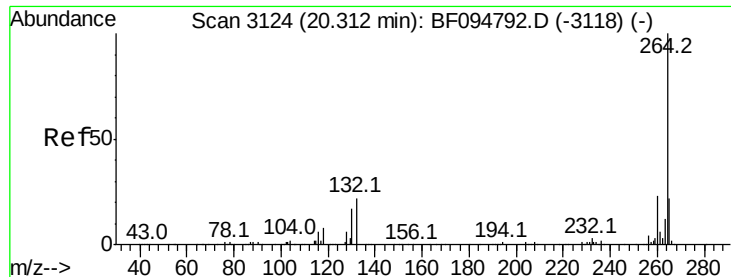
#82
 Chrysene
 Concen: 2.05 ng
 RT: 18.67 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BF094974.D
 Acq: 8 May 2017 7:50

Tgt Ion:228 Resp: 27708
 Ion Ratio Lower Upper
 228 100
 226 31.2 24.9 37.3
 229 18.8 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

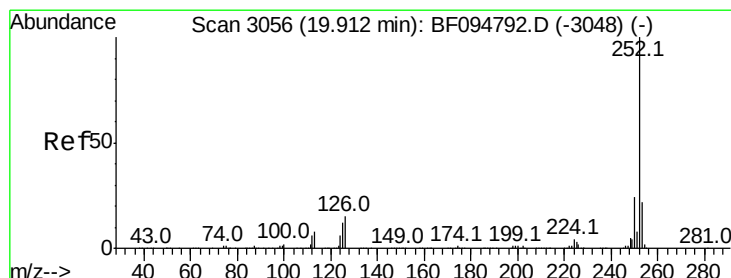
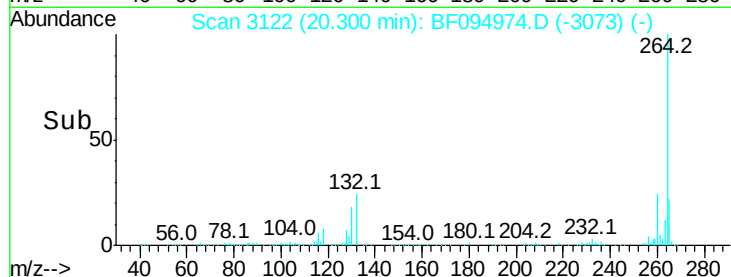
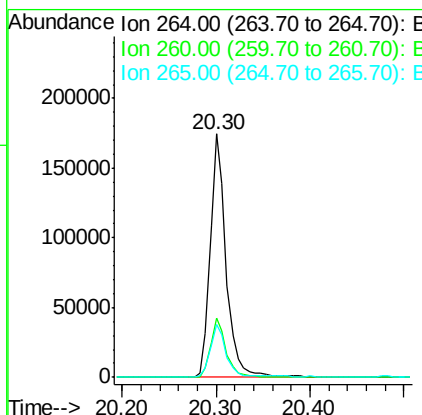
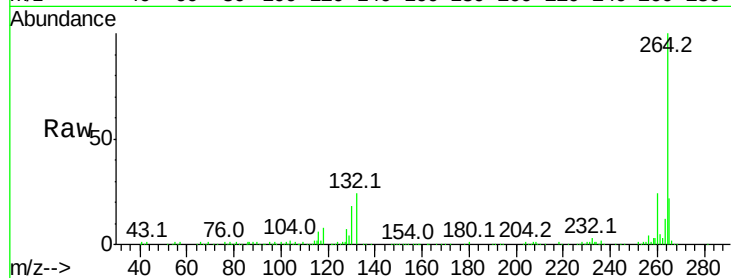




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094974.D
Acq: 8 May 2017 7:50

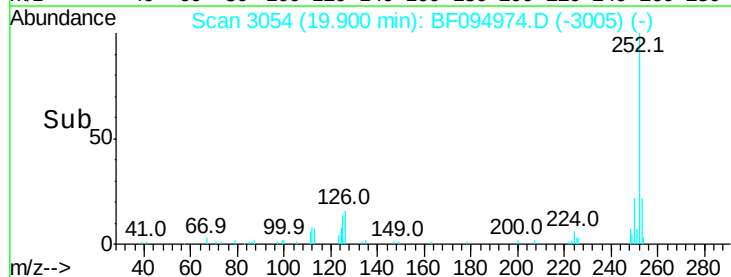
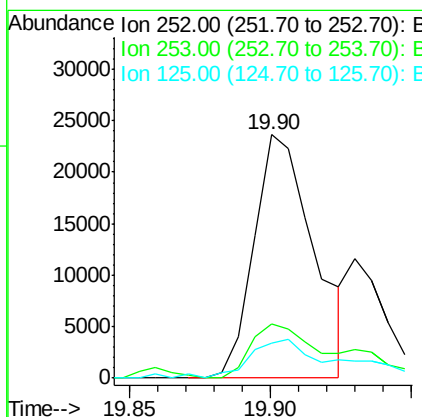
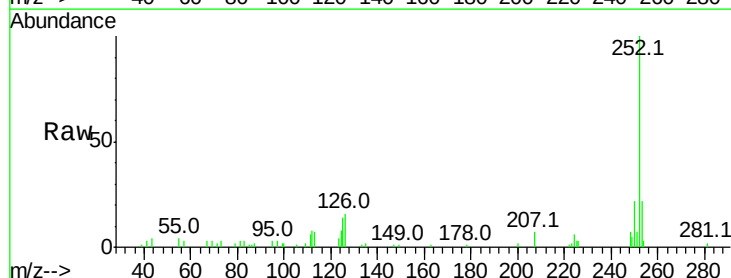
Instrument :
BNA_F
ClientSampleId :

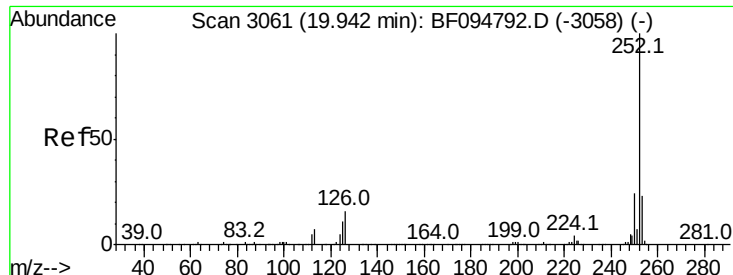
Tot Ion:264 Resp: 210205
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.68 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094974.D
Acq: 8 May 2017 7:50

Tgt Ion:252 Resp: 34755
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 14.5 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 2.77 ng

RT: 19.90 min Scan# 3054

Delta R.T. -0.04 min

Lab File: BF094974.D

Acq: 8 May 2017 7:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 34755

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 14.5 13.1 19.7

