

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
 Data File : BF094870.D
 Acq On : 4 May 2017 12:23
 Operator : SJ/MA
 Sample : I2933-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4

Quant Time: May 04 13:18:11 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

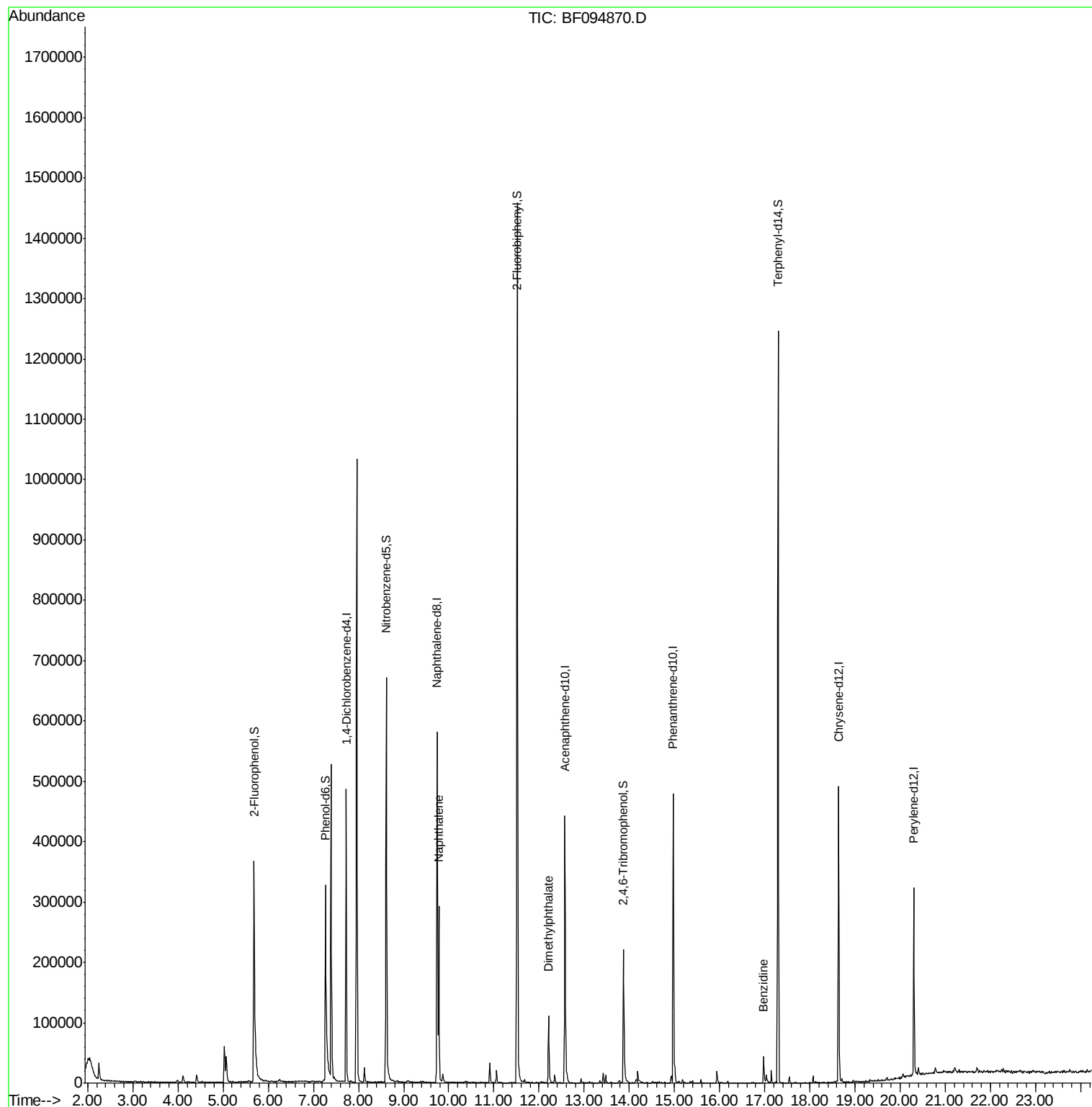
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	93994	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	356192	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	144417	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	253008	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	205188	20.00	ng	-0.02
86) Perylene-d12	20.31	264	143383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	221777	39.34	ng	0.00
7) Phenol-d6	7.27	99	250954	37.10	ng	-0.01
23) Nitrobenzene-d5	8.62	82	315018	55.77	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	42818	36.20	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	649702	64.75	ng	-0.01
78) Terphenyl-d14	17.29	244	458140	49.18	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.78	128	185058	10.34	ng	99
49) Dimethylphthalate	12.21	163	78635	6.63	ng	96
76) Benzidine	16.98	184	34345	11.93	ng	# 94

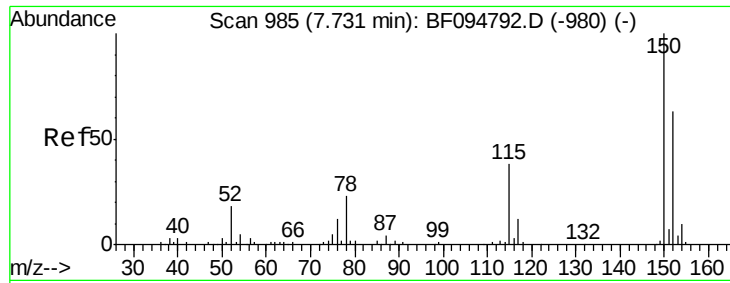
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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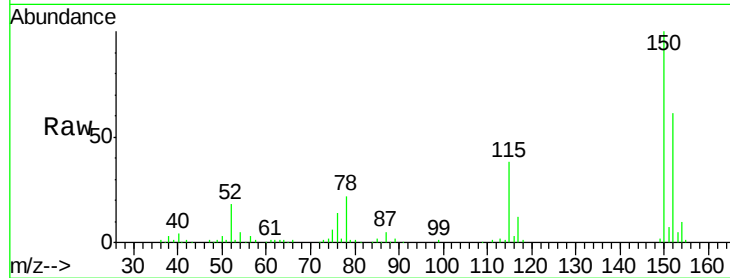


#1

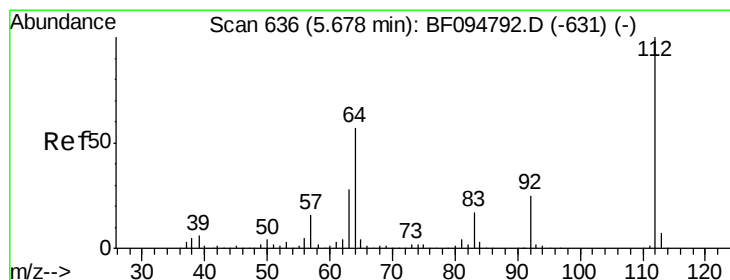
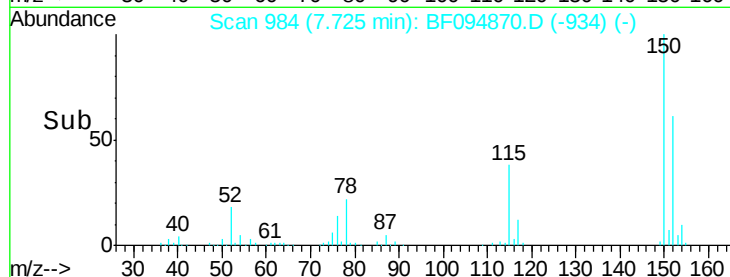
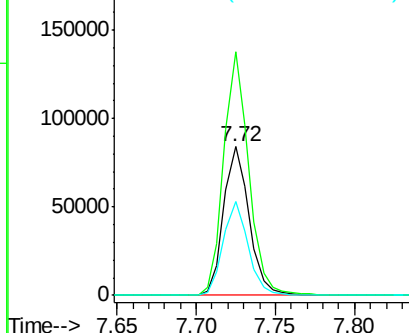
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Instrument :
BNA_F
ClientSampleId :
PE-4

Tgt Ion:152 Resp: 93994
Ion Ratio Lower Upper
152 100
150 163.6 126.2 189.2
115 63.0 52.2 78.2



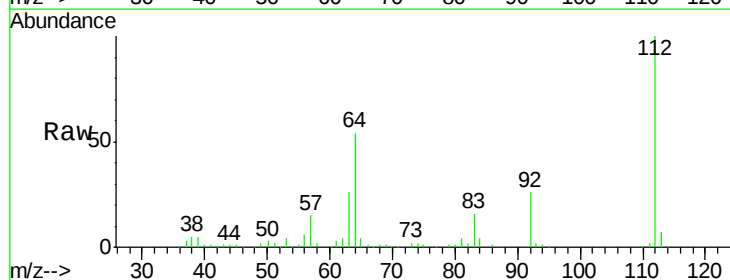
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



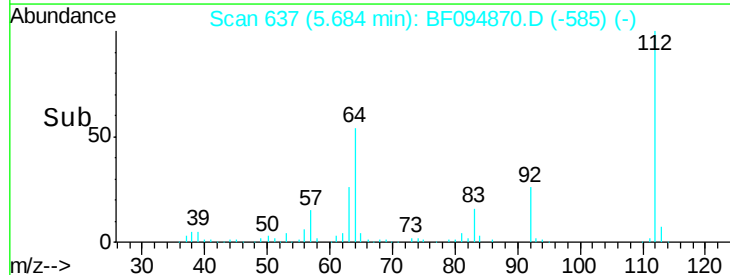
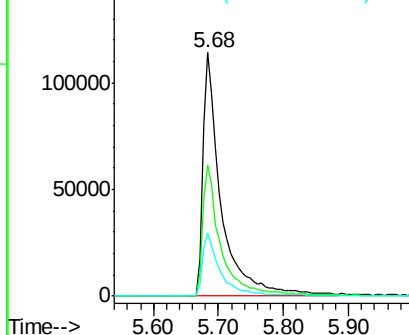
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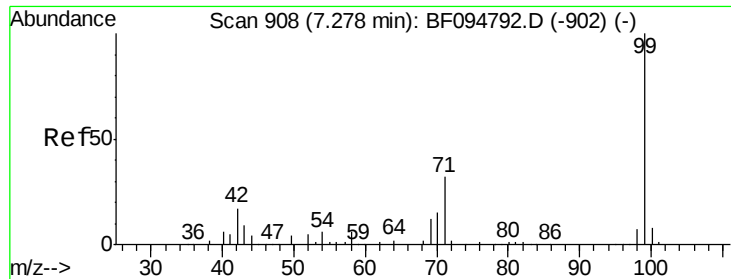
2-Fluorophenol
Concen: 39.34 ng
RT: 5.68 min Scan# 637
Delta R.T. 0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Tgt Ion:112 Resp: 221777
Ion Ratio Lower Upper
112 100
64 53.8 46.0 69.0
63 26.1 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: 37.10 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

Instrument :

BNA_F

ClientSampleId :

PE-4

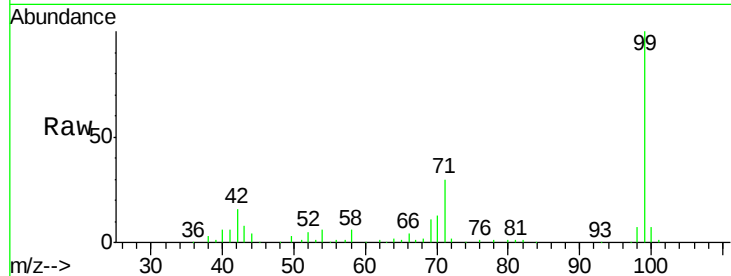
Tgt Ion: 99 Resp: 250954

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

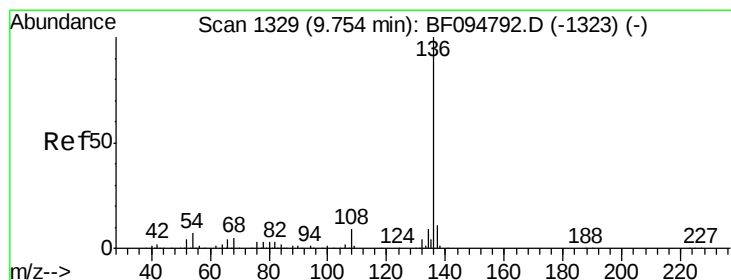
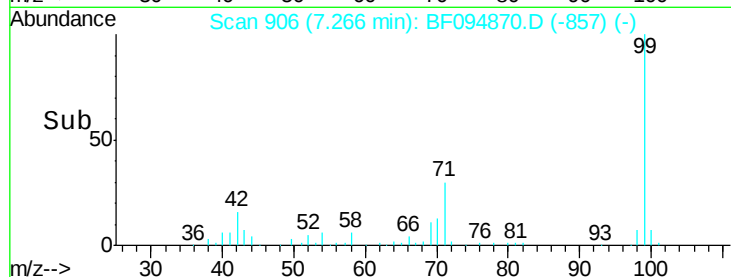
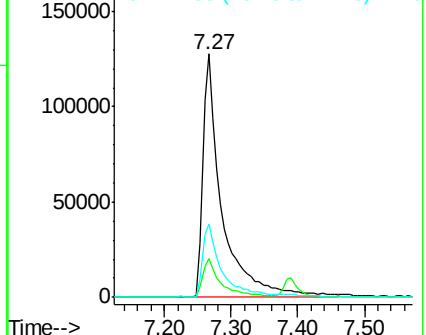
71 30.1 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

Tgt Ion: 136 Resp: 356192

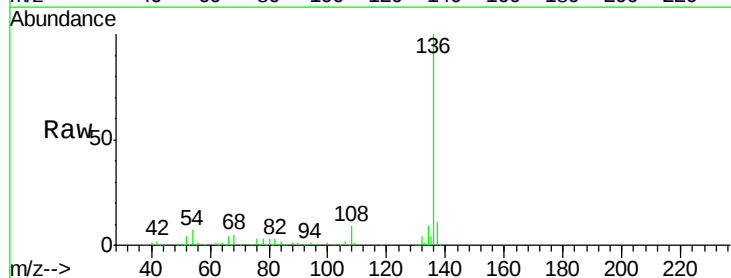
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.0 4.9 7.3

68 5.4 4.1 6.1

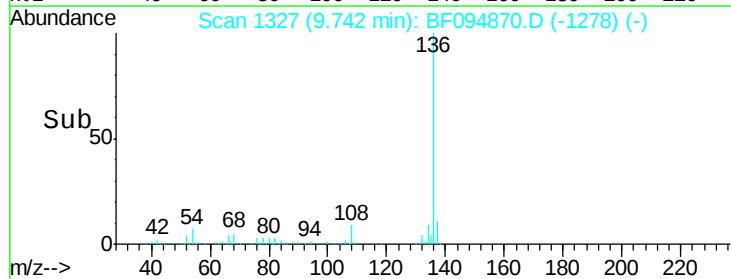
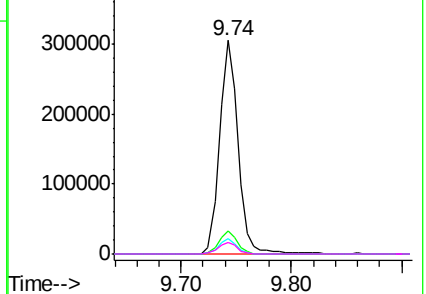


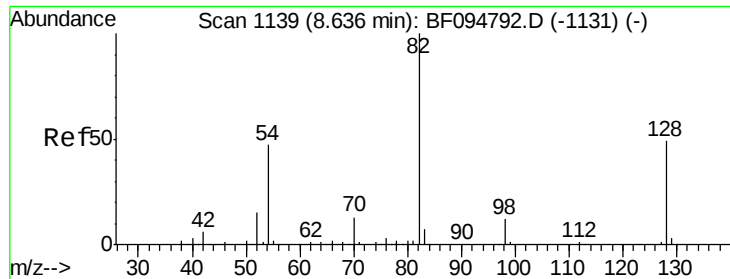
Abundance Ion 136.00 (135.70 to 136.70): E

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

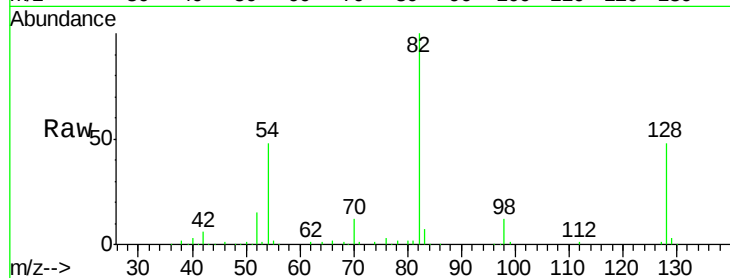




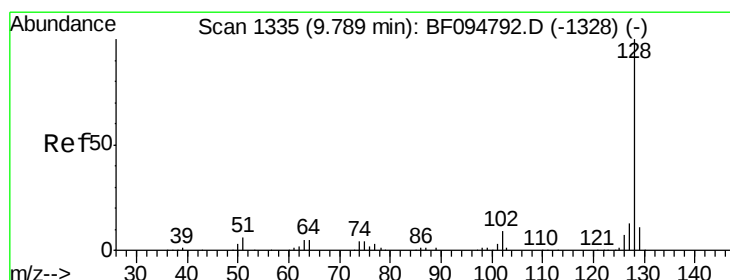
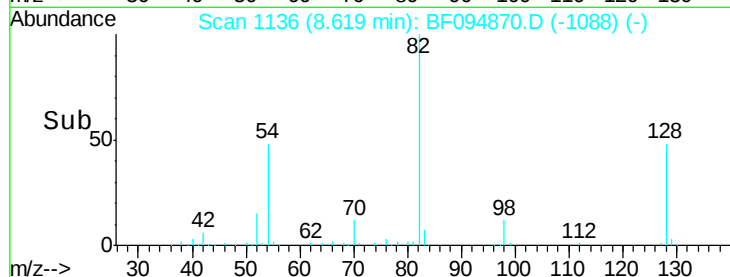
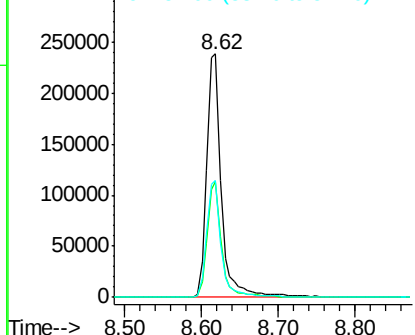
#23
 Nitrobenzene-d5
 Concen: 55.77 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Instrument :
 BNA_F
 ClientSampleId :
 PE-4

Tgt Ion: 82 Resp: 315018
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.0 51.0
 54 47.8 42.2 63.2

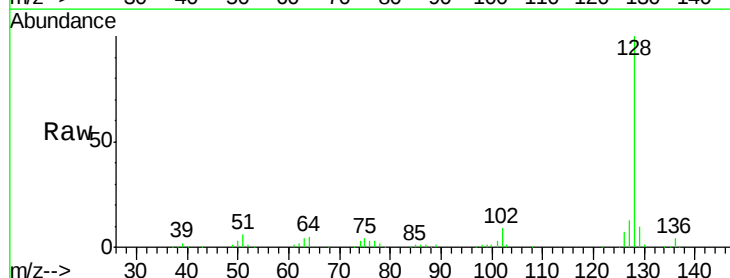


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

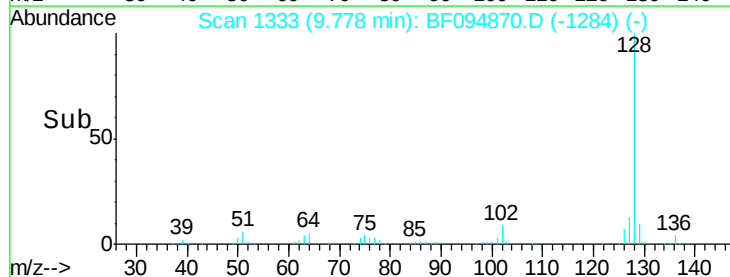
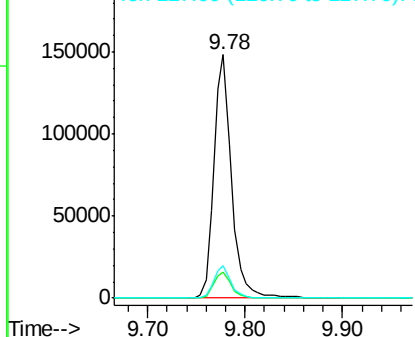


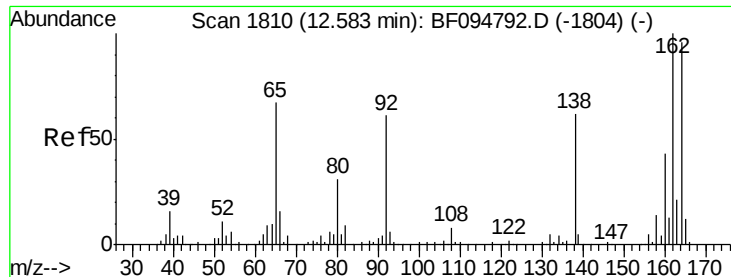
#31
 Naphthalene
 Concen: 10.34 ng
 RT: 9.78 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Tgt Ion: 128 Resp: 185058
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.0 13.6
 127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.57 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

Instrument :

BNA_F

ClientSampled :

PE-4

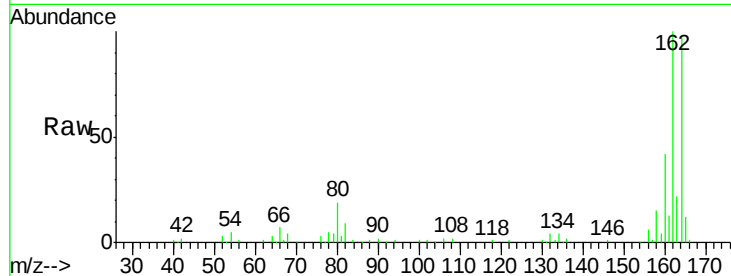
Tgt Ion:164 Resp: 144417

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

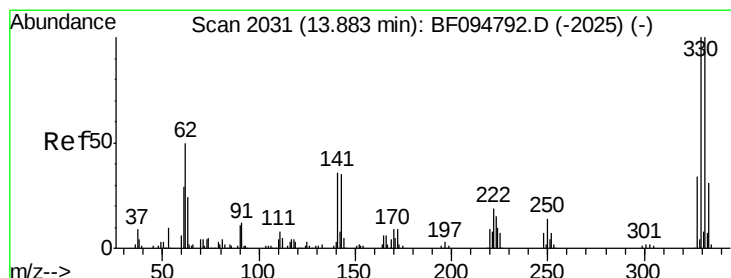
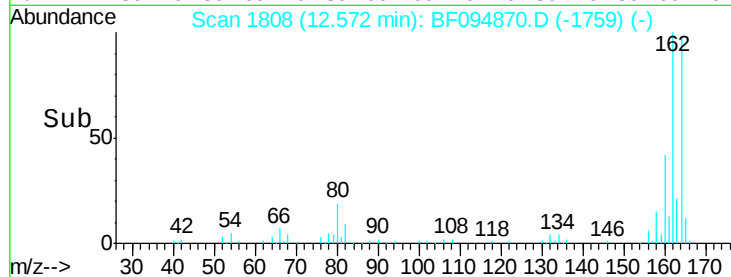
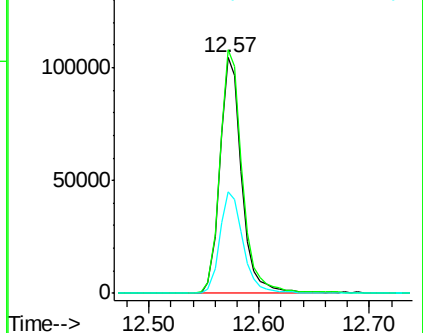
160 43.4 36.2 54.2



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: 36.20 ng

RT: 13.87 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF094870.D

Acq: 4 May 2017 12:23

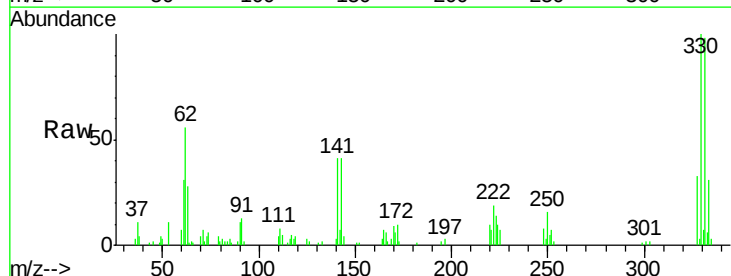
Tgt Ion:330 Resp: 42818

Ion Ratio Lower Upper

330 100

332 98.3 76.6 115.0

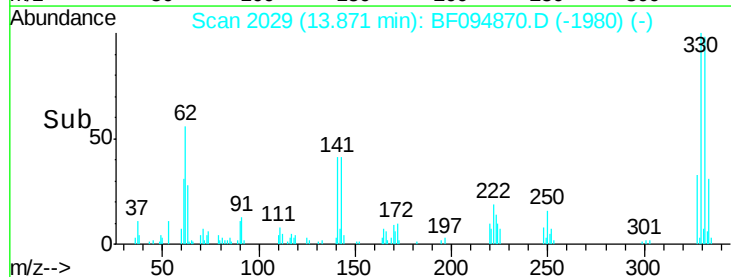
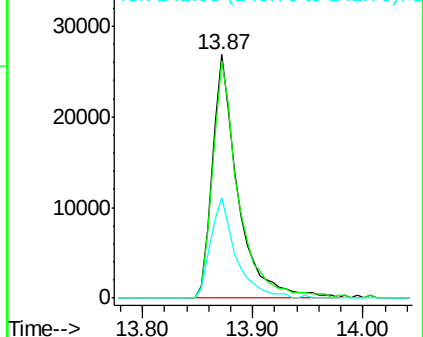
141 40.4 31.4 47.2

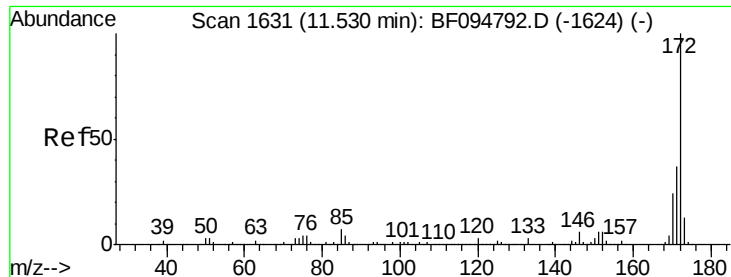


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

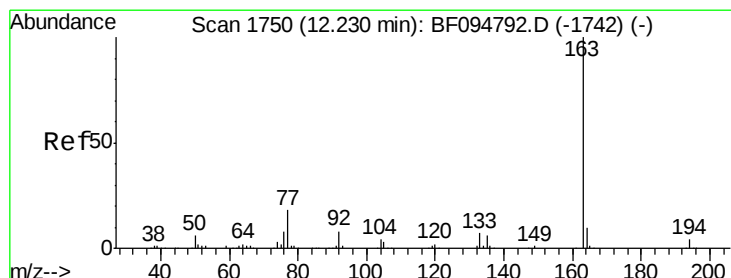
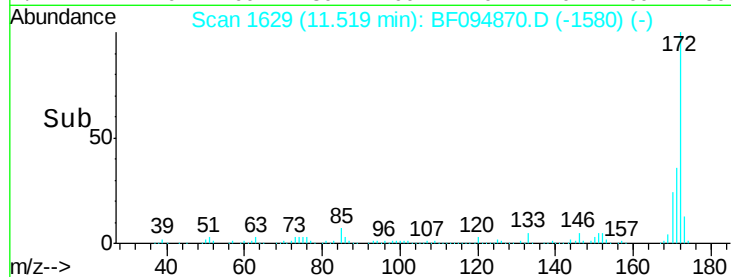
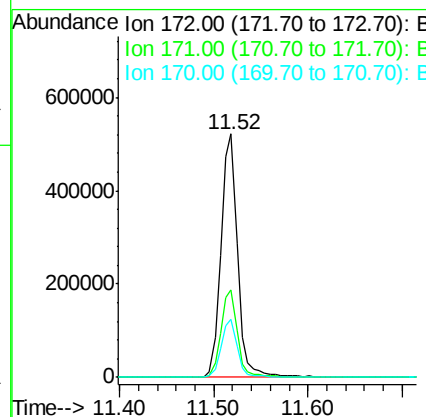
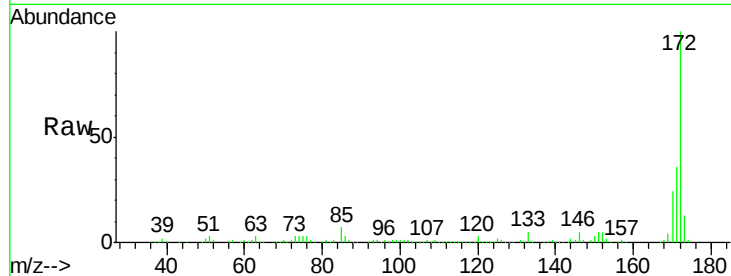




#44
 2-Fluorobiphenyl
 Concen: 64.75 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

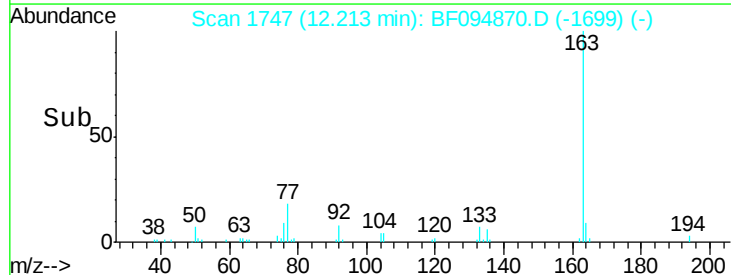
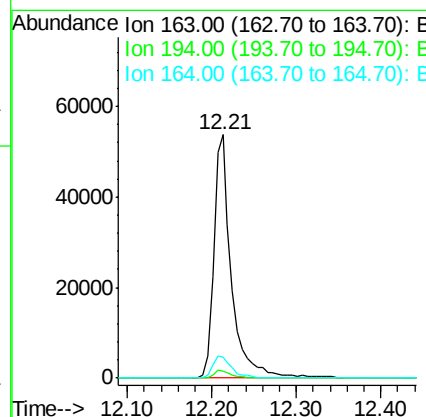
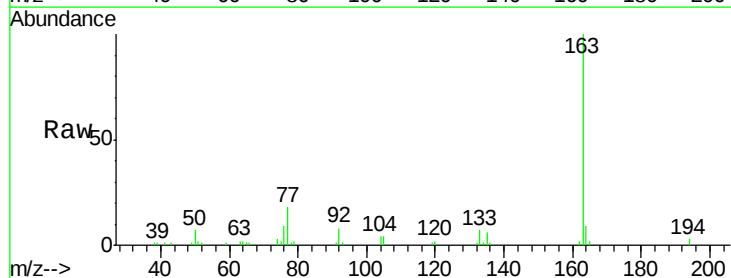
Instrument :
 BNA_F
 ClientSampleId :
 PE-4

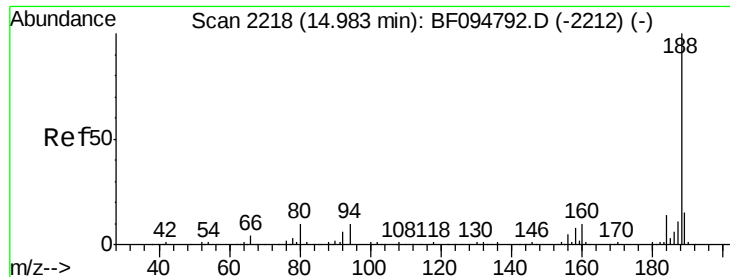
Tgt Ion:172 Resp: 649702
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.8 19.8 29.8



#49
 Dimethylphthalate
 Concen: 6.63 ng
 RT: 12.21 min Scan# 1747
 Delta R.T. -0.02 min
 Lab File: BF094870.D
 Acq: 4 May 2017 12:23

Tgt Ion:163 Resp: 78635
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 8.7 8.4 12.6

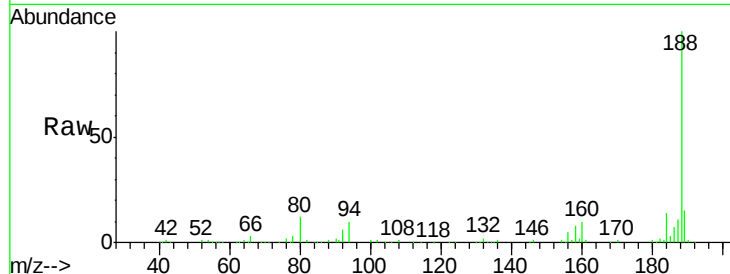




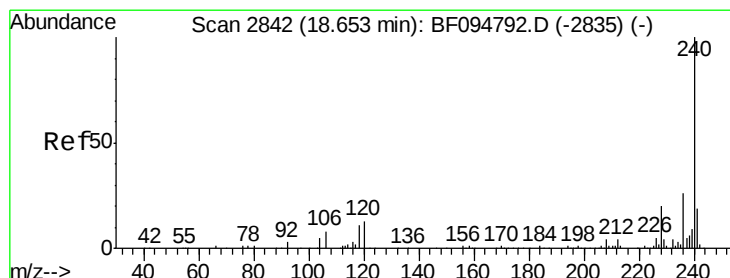
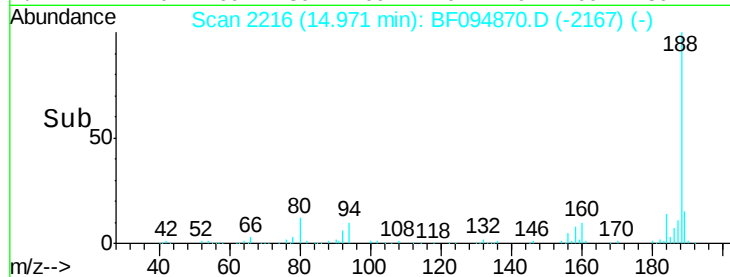
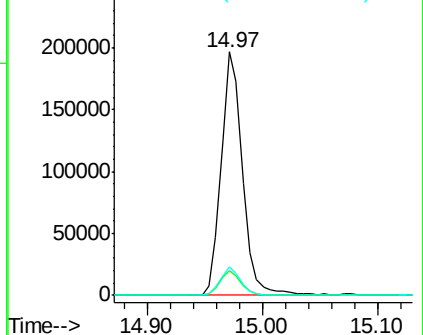
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Instrument :
BNA_F
ClientSampled :
PE-4

Tgt Ion:188 Resp: 253008
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.5 10.2 15.2

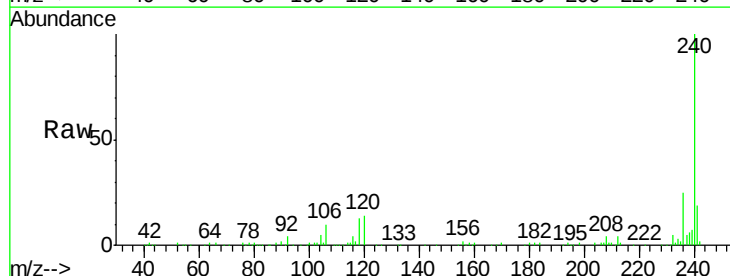


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

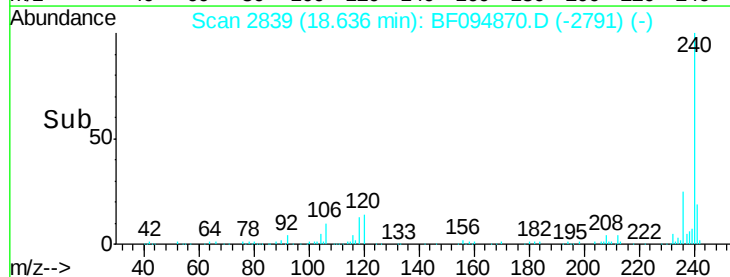
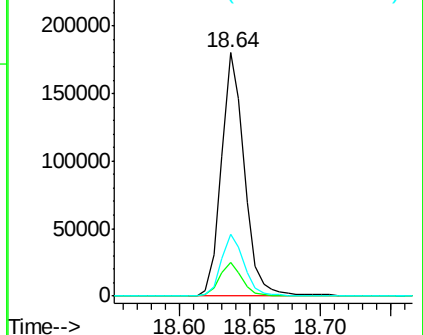


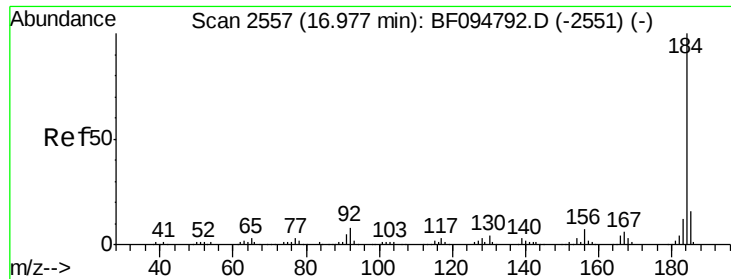
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Tgt Ion:240 Resp: 205188
Ion Ratio Lower Upper
240 100
120 13.7 5.8 8.8#
236 25.2 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

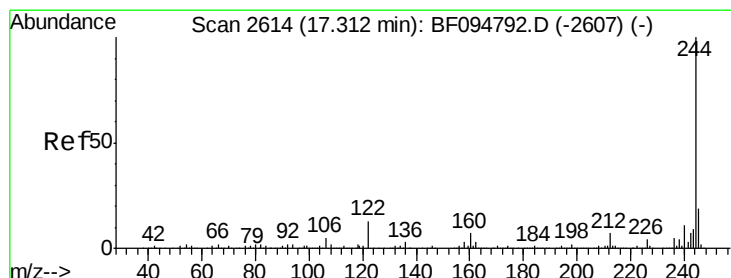
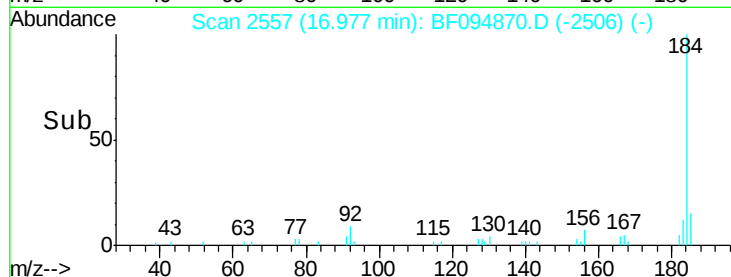
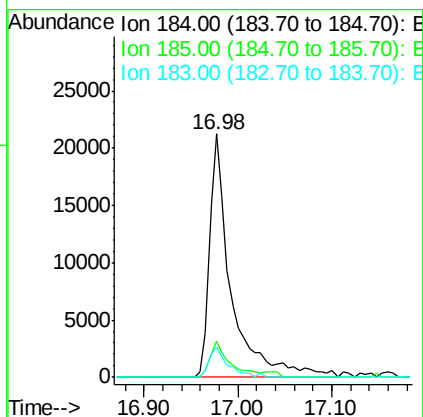
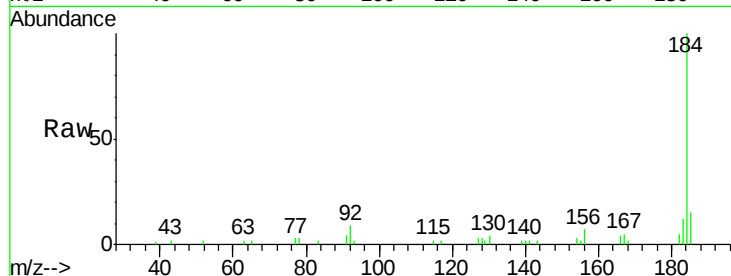




#76
Benzidine
Concen: 11.93 ng
RT: 16.98 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

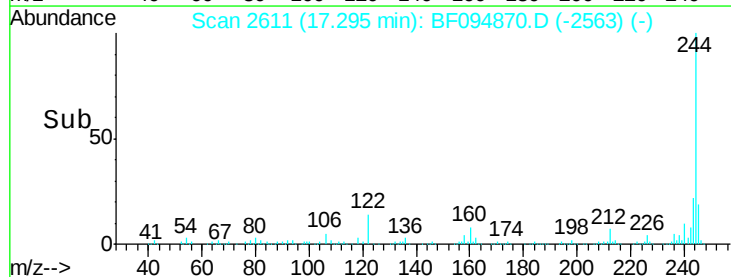
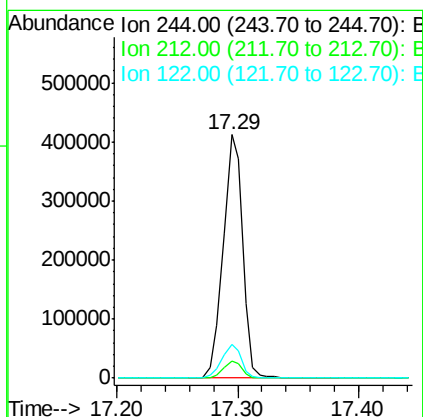
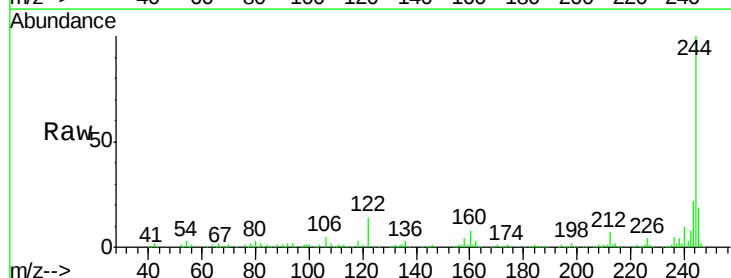
Instrument :
BNA_F
ClientSampleId :
PE-4

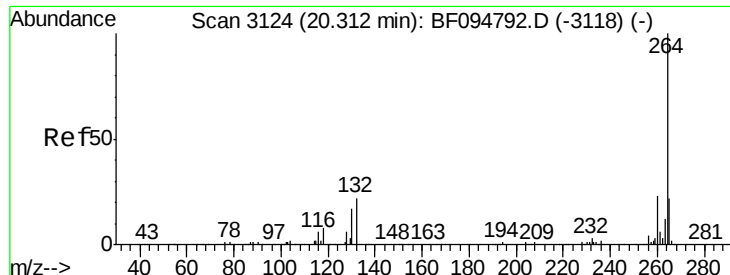
Tgt Ion:184 Resp: 34345
Ion Ratio Lower Upper
184 100
185 15.1 15.5 23.3#
183 12.2 9.8 14.6



#78
Terphenyl-d14
Concen: 49.18 ng
RT: 17.29 min Scan# 2611
Delta R.T. -0.02 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Tgt Ion:244 Resp: 458140
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 13.9 10.3 15.5

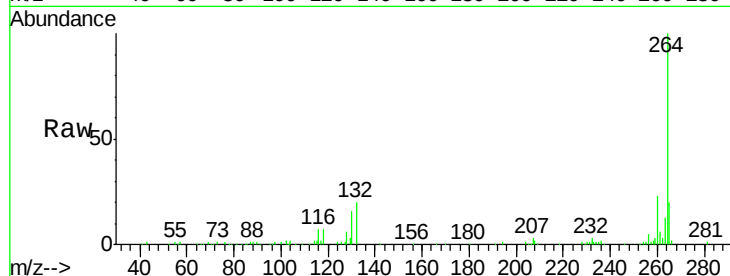




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF094870.D
Acq: 4 May 2017 12:23

Instrument :
BNA_F
ClientSampleId :
PE-4

Tgt Ion: 264 Resp: 143383
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 20.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

