

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\
 Data File : BF093062.D
 Acq On : 21 Feb 2017 8:35
 Operator : SJ/MA
 Sample : I1884-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Quant Time: Feb 21 13:21:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

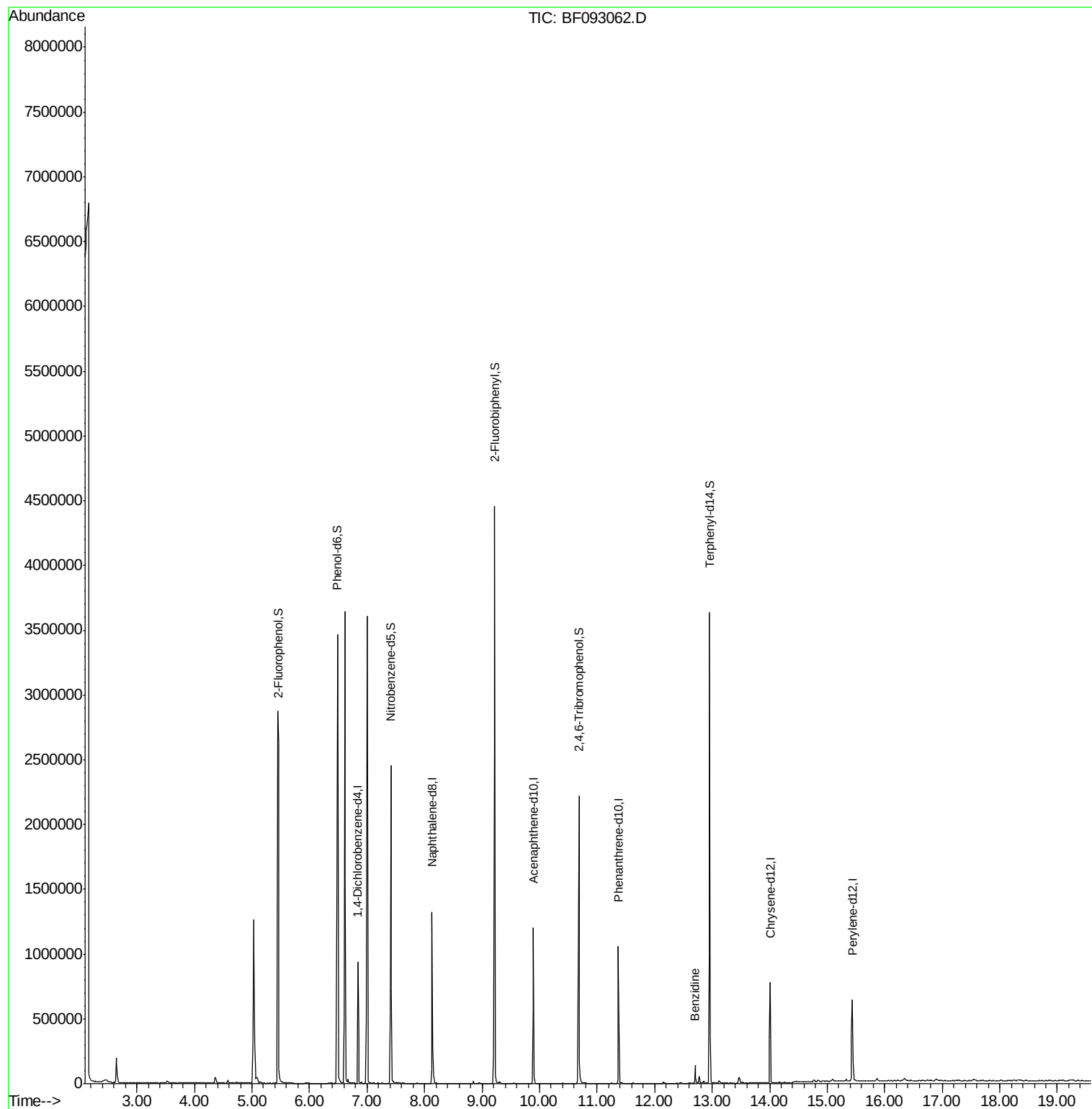
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	150708	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	580268	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	267579	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	434305	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	300562	20.00	ng	-0.01
86) Perylene-d12	15.44	264	285666	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1186114	135.02	ng	0.01
7) Phenol-d6	6.49	99	1272195	112.56	ng	0.00
23) Nitrobenzene-d5	7.41	82	885144	84.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	276670	142.96	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1730450	117.16	ng	0.00
78) Terphenyl-d14	12.96	244	1102571	86.19	ng	-0.01
Target Compounds						
76) Benzidine	12.71	184	61629	4.81	ng	Qvalue 97

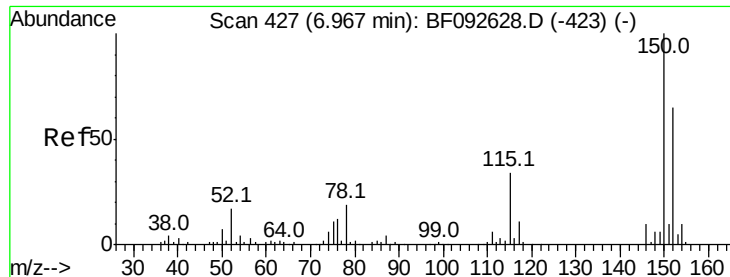
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Instrument :

BNA_F

ClientSampleId :

PIT-D-COMP

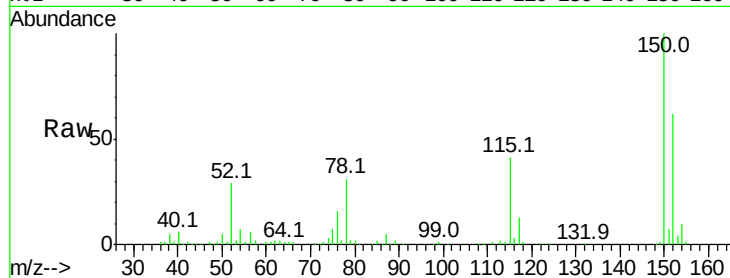
Tot Ion:152 Resp: 150708

Ion Ratio Lower Upper

152 100

150 160.6 124.9 187.3

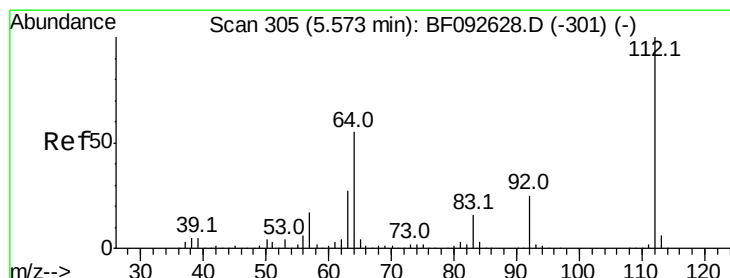
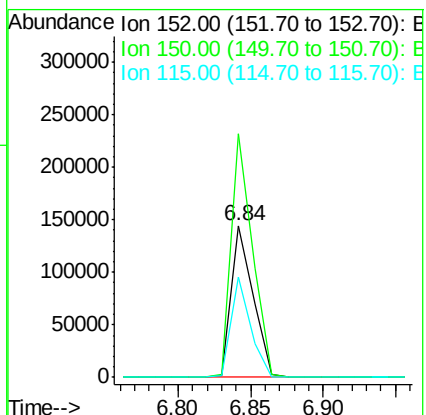
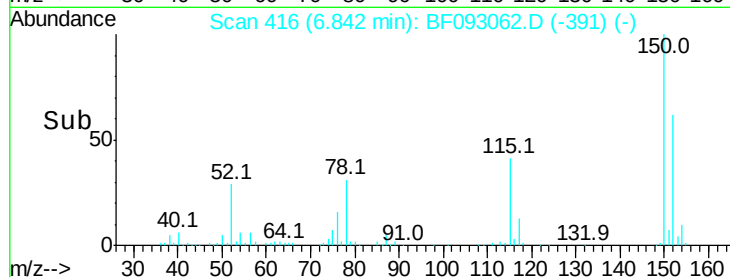
115 66.2 46.0 69.0



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: 135.02 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

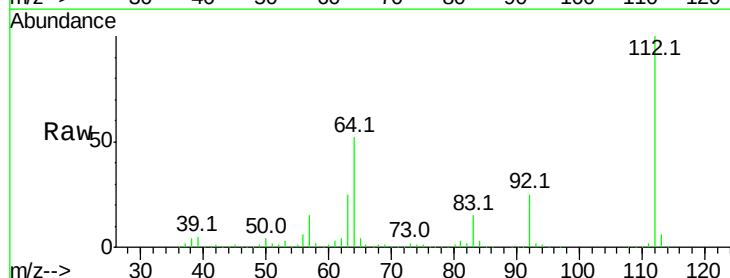
Tgt Ion:112 Resp: 1186114

Ion Ratio Lower Upper

112 100

64 52.0 46.1 69.1

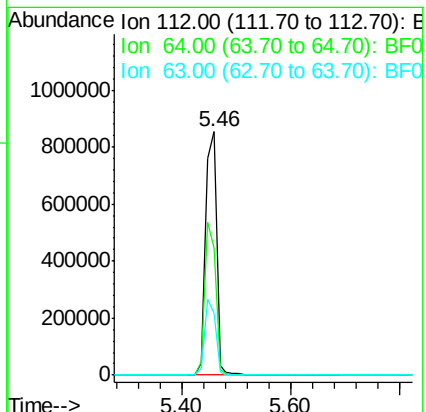
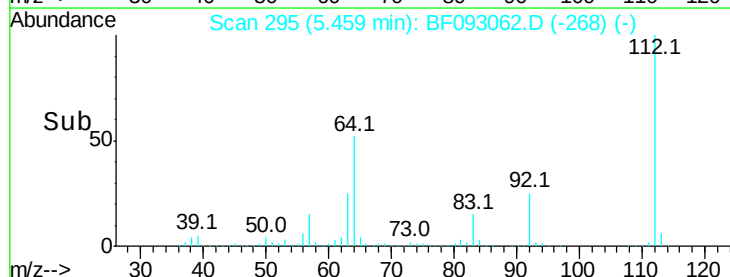
63 25.4 23.8 35.6

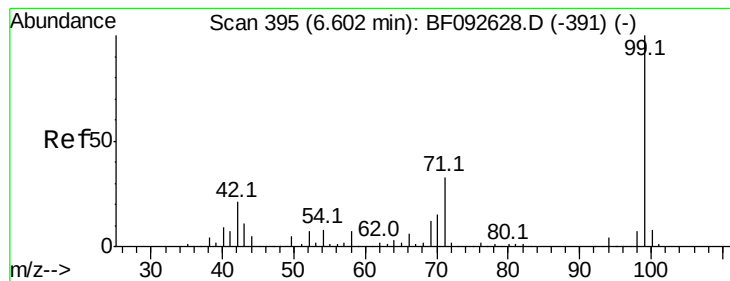


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.56 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Instrument :

BNA_F

ClientSampleId :

PIT-D-COMP

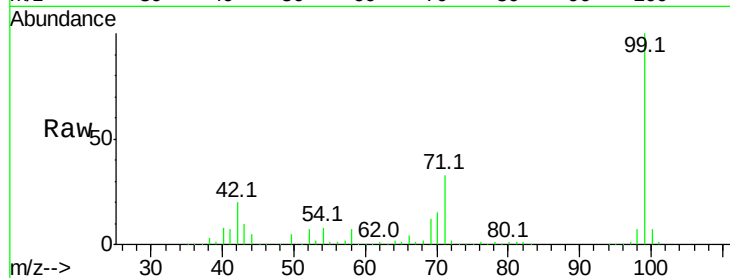
Tot Ion: 99 Resp: 1272195

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

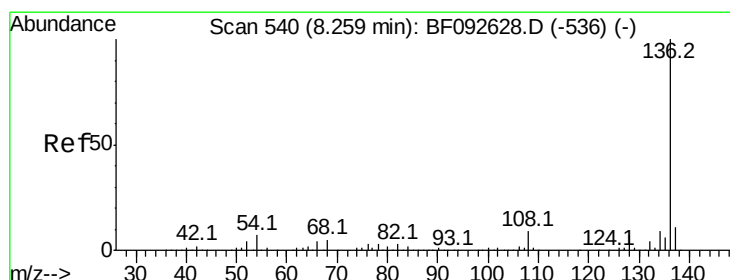
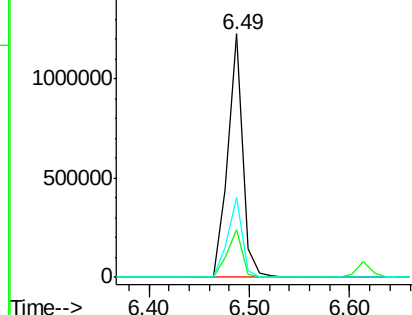
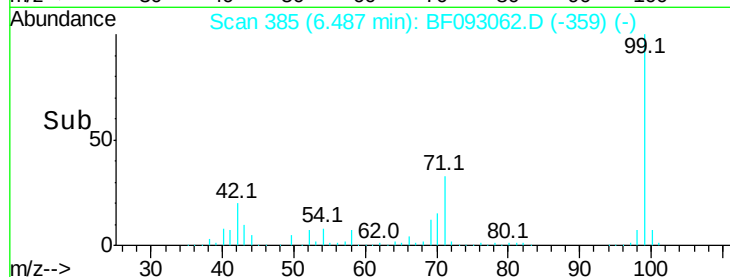
71 32.9 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093062.D

Acq: 21 Feb 2017 8:35

Tgt Ion: 136 Resp: 580268

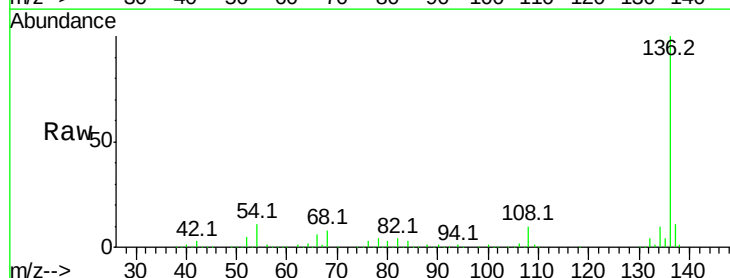
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 11.1 4.5 6.7#

68 7.8 3.6 5.4#

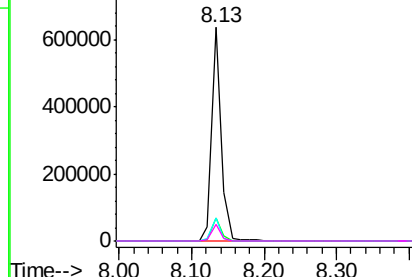
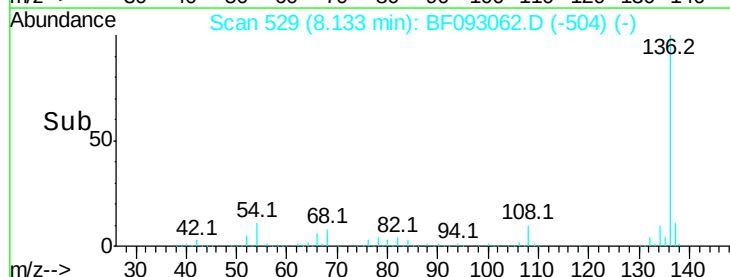


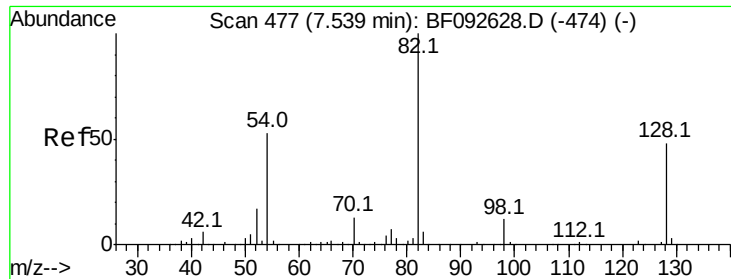
Abundance Ion 136.00 (135.70 to 136.70): E

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

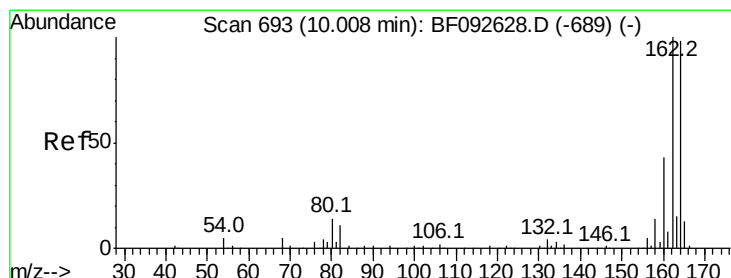
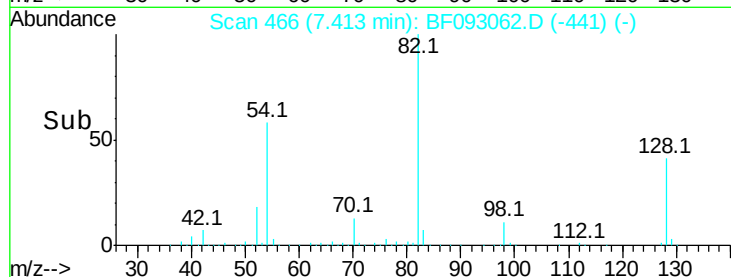
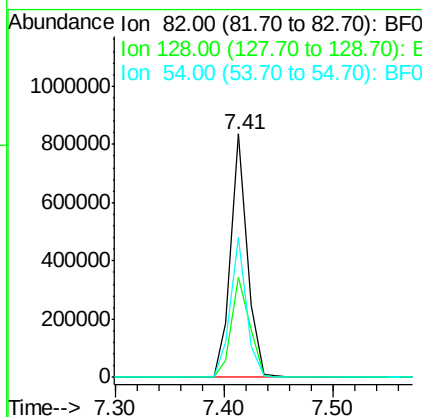
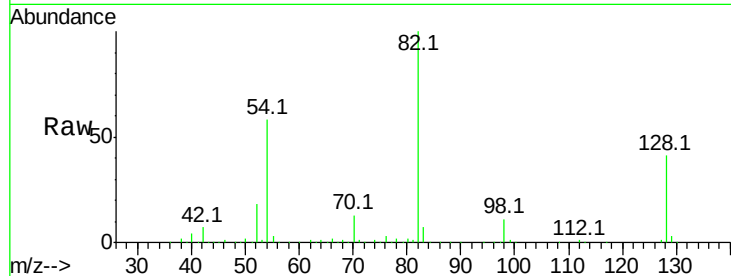




#23
 Nitrobenzene-d5
 Concen: 84.95 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

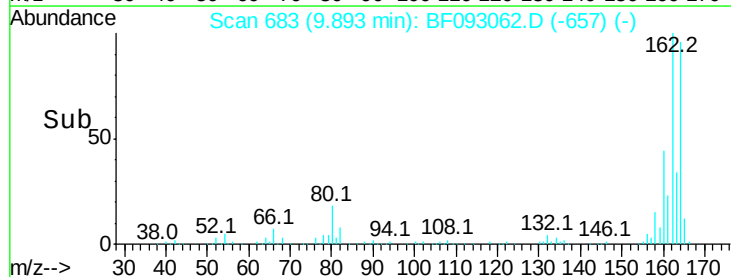
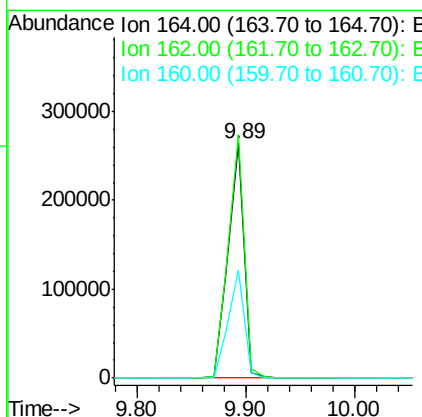
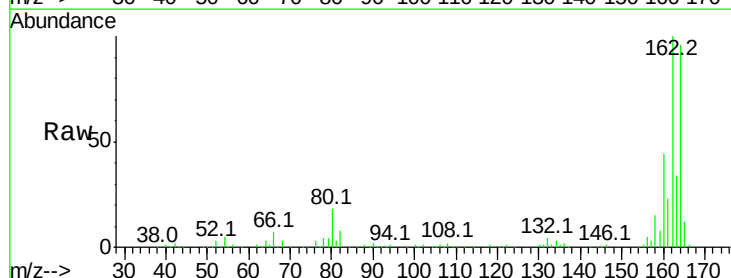
Instrument :
 BNA_F
 ClientSampled :
 PIT-D-COMP

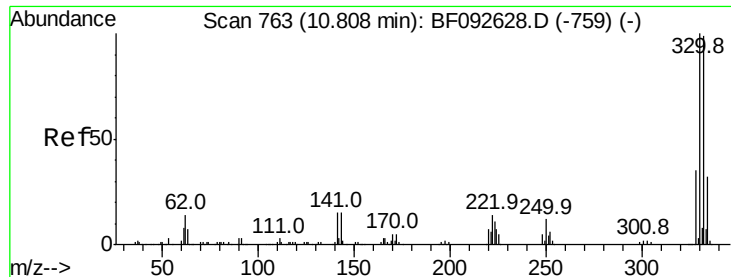
Tot Ion: 82 Resp: 885144
 Ion Ratio Lower Upper
 82 100
 128 41.1 34.6 52.0
 54 57.7 39.5 59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

Tgt Ion:164 Resp: 267579
 Ion Ratio Lower Upper
 164 100
 162 104.0 80.2 120.2
 160 46.1 36.9 55.3

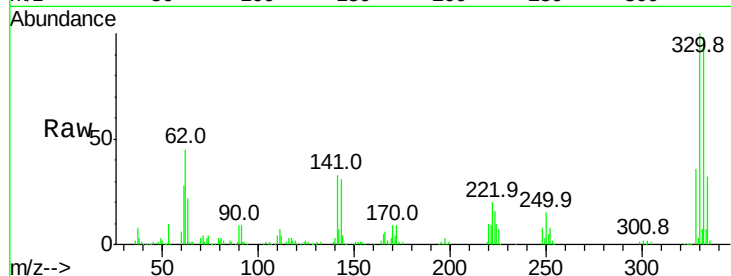




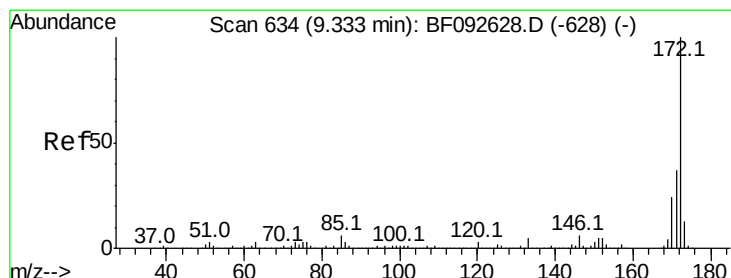
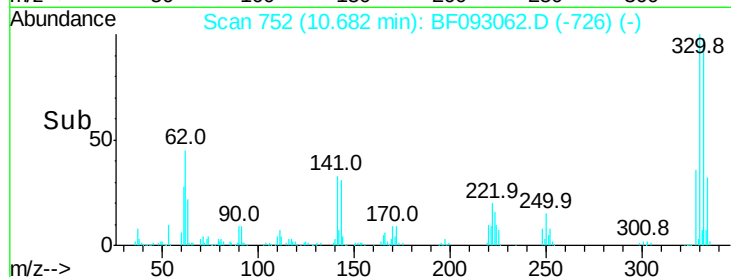
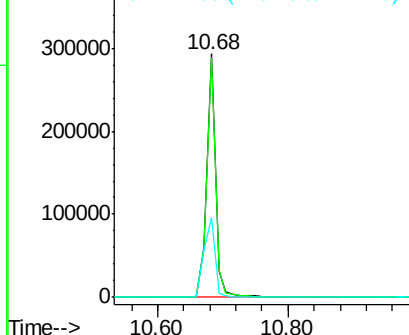
#41
 2,4,6-Tribromophenol
 Concen: 142.96 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.2
141	40.3	34.1	51.1

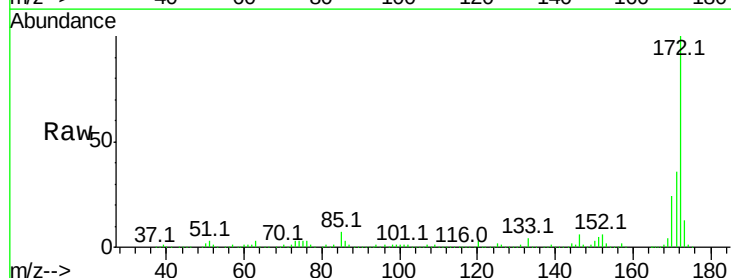


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

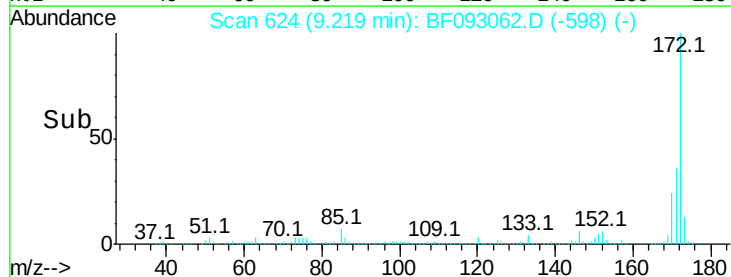
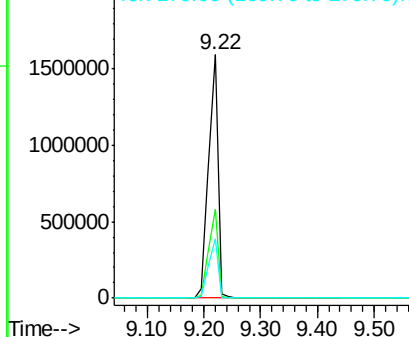


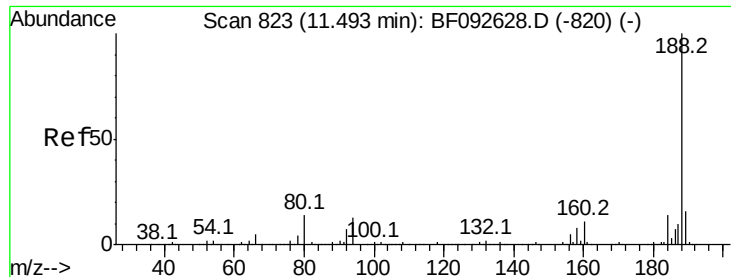
#44
 2-Fluorobiphenyl
 Concen: 117.16 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.5	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

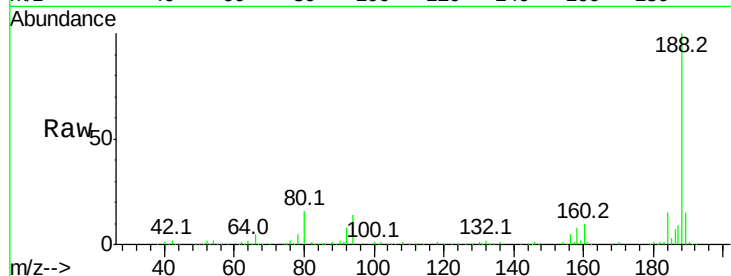




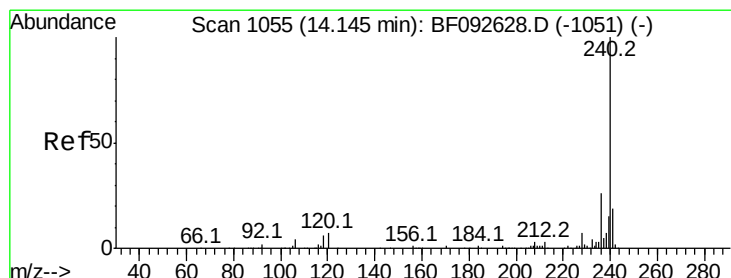
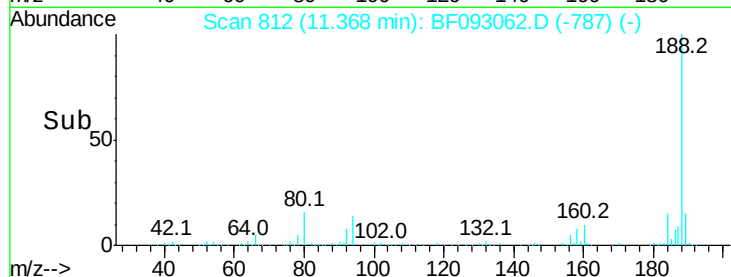
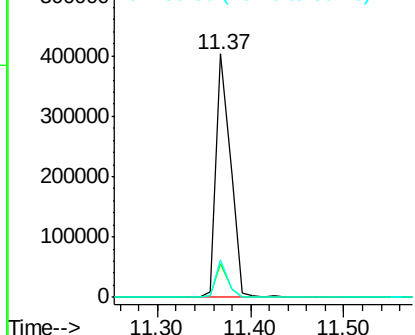
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tot Ion:188 Resp: 434305
Ion Ratio Lower Upper
188 100
94 13.7 10.0 15.0
80 15.7 11.2 16.8

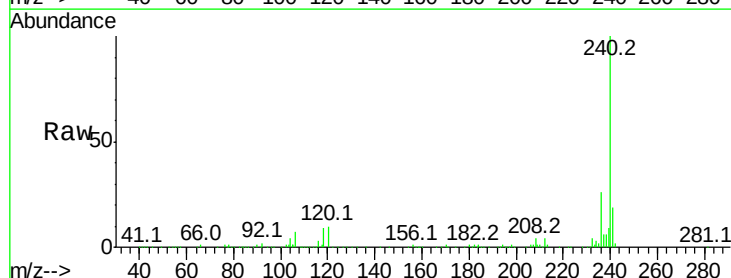


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

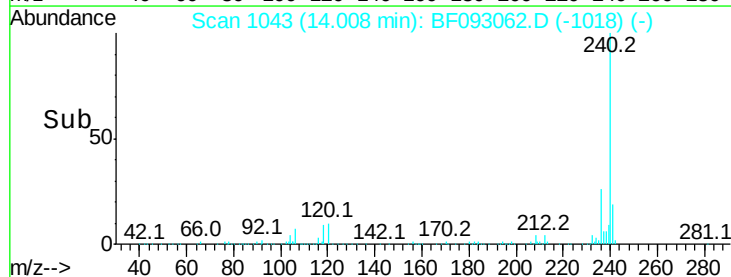
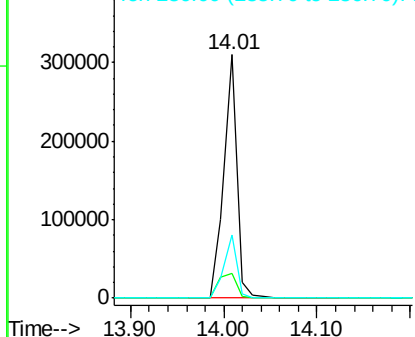


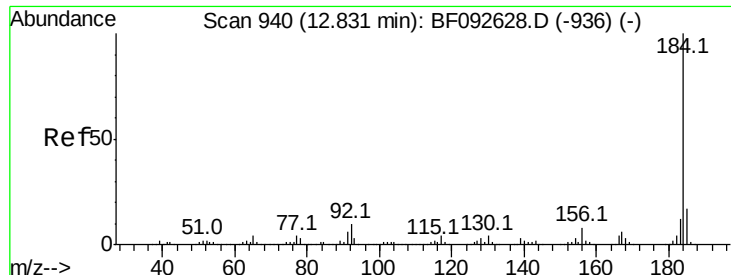
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Tgt Ion:240 Resp: 300562
Ion Ratio Lower Upper
240 100
120 10.1 12.9 19.3#
236 26.1 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

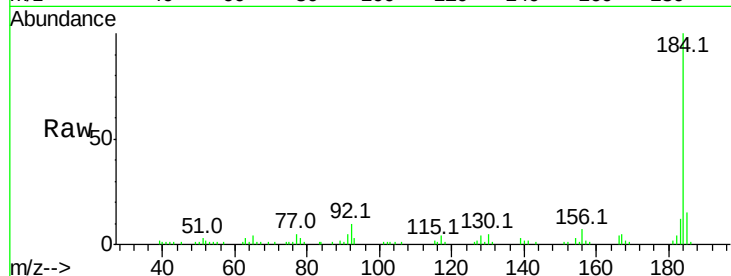




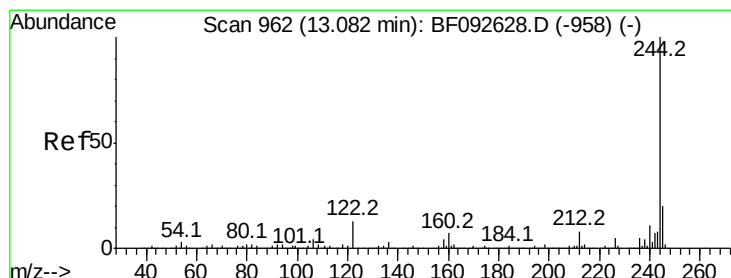
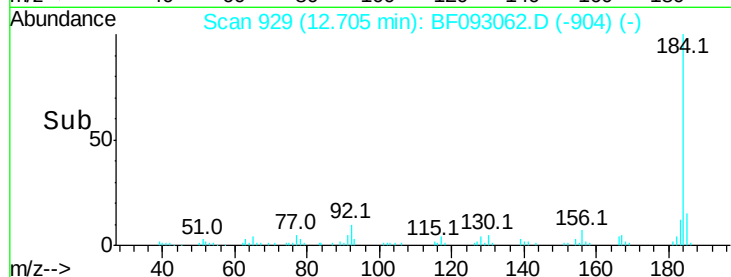
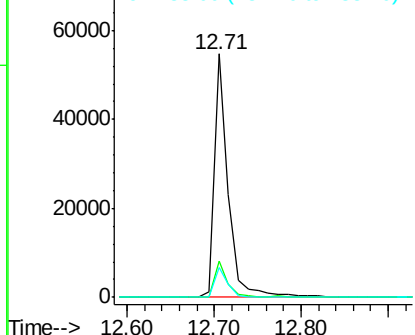
#76
Benzidine
Concen: 4.81 ng
RT: 12.71 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tot Ion:184 Resp: 61629
Ion Ratio Lower Upper
184 100
185 15.1 13.4 20.0
183 12.2 9.2 13.8

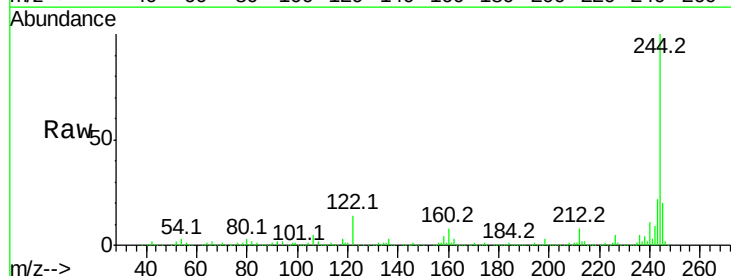


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

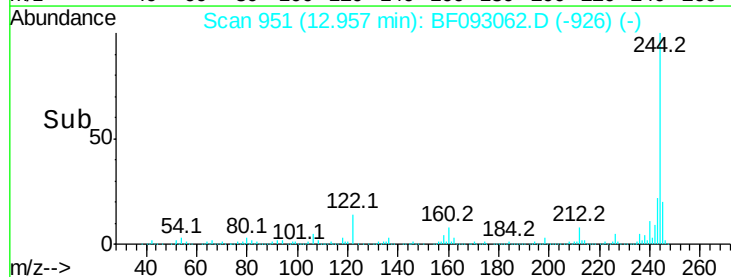
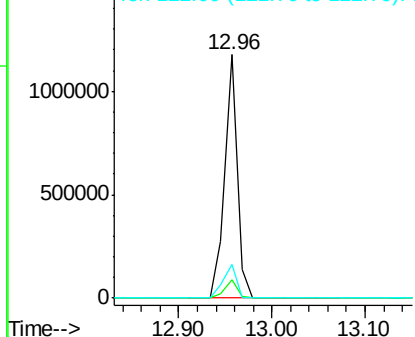


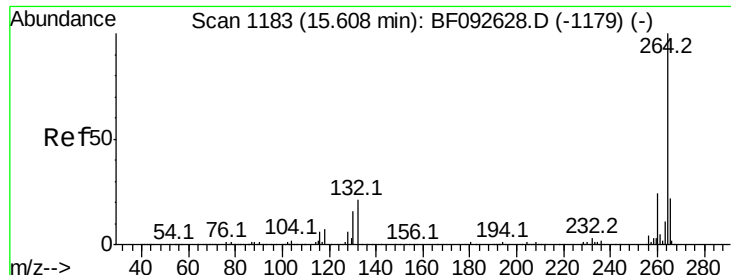
#78
Terphenyl-d14
Concen: 86.19 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF093062.D
Acq: 21 Feb 2017 8:35

Tgt Ion:244 Resp: 1102571
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 13.8 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

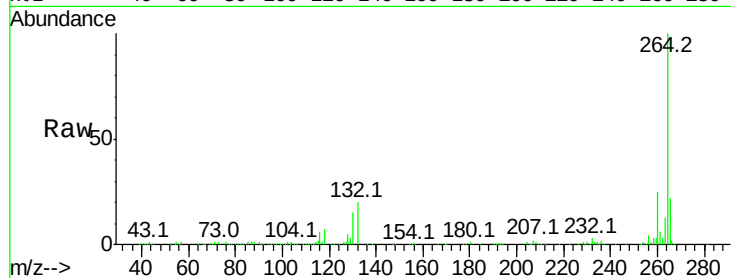




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093062.D
 Acq: 21 Feb 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Tot Ion: 264 Resp: 285666
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.2 28.8
 265 21.9 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

