

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022017\
 Data File : BF093046.D
 Acq On : 20 Feb 2017 23:26
 Operator : SJ/MA
 Sample : I1892-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Quant Time: Feb 21 00:24:35 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

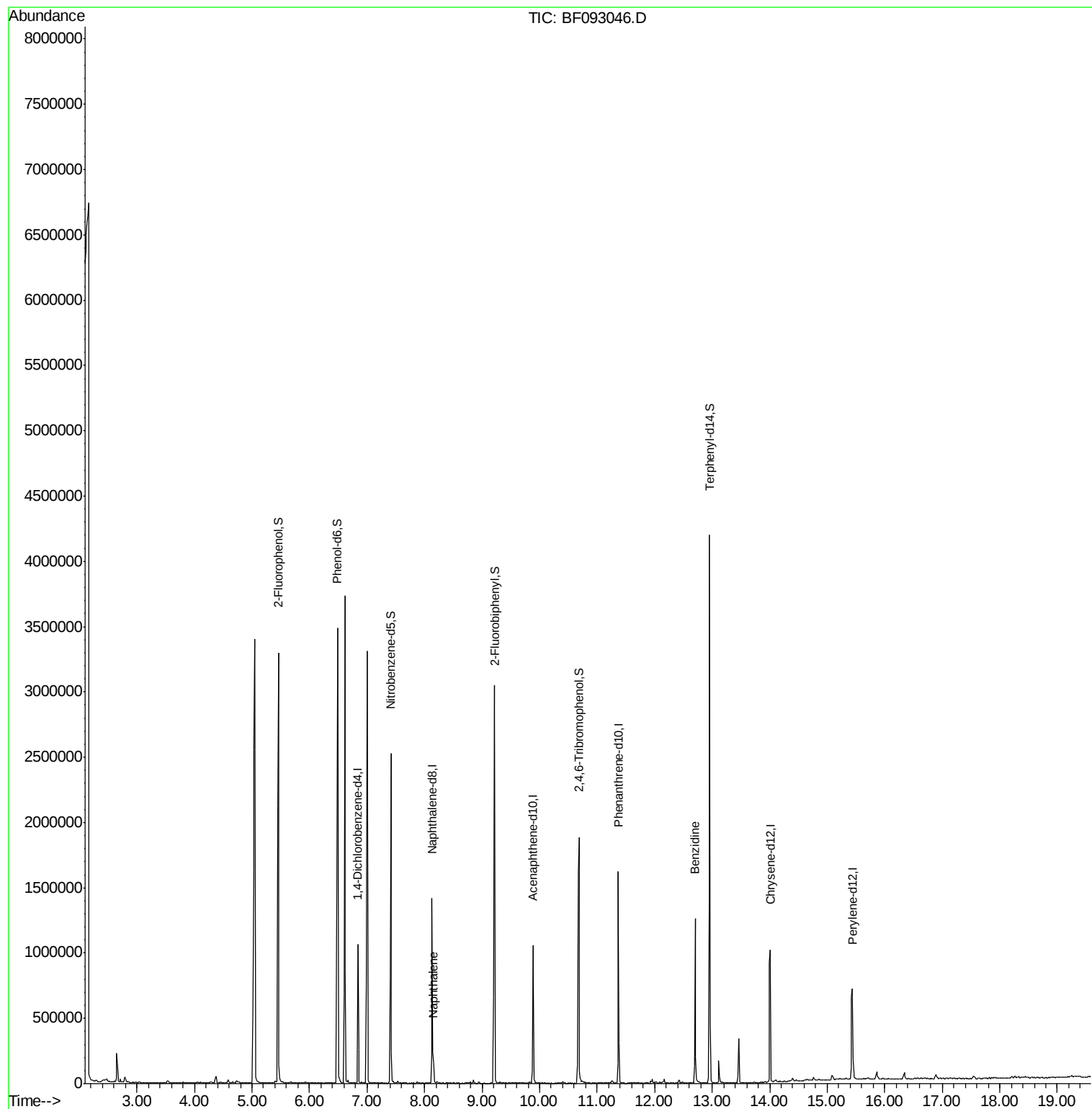
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	155918	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	620644	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	295834	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	565516	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	513717	20.00	ng	-0.01
86) Perylene-d12	15.44	264	371770	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1110710	122.22	ng	0.01
7) Phenol-d6	6.49	99	1264084	108.10	ng	0.00
23) Nitrobenzene-d5	7.41	82	843518	75.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	321022	150.03	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1588018	97.25	ng	0.00
78) Terphenyl-d14	12.96	244	1354240	61.94	ng	-0.01
Target Compounds						
31) Naphthalene	8.16	128	65478	2.08	ng	98
76) Benzidine	12.71	184	452216	20.66	ng	96

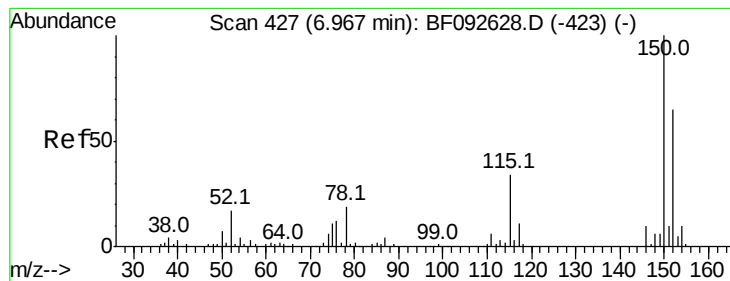
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093046.D

Acq: 20 Feb 2017 23:26

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

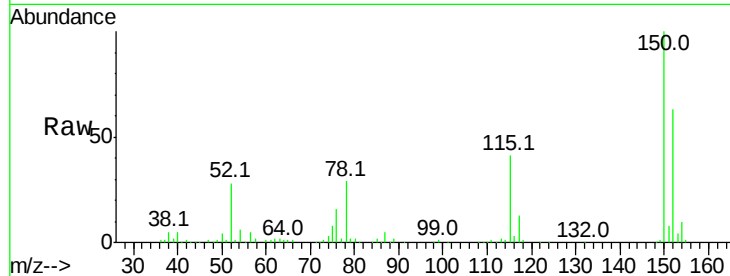
Tot Ion:152 Resp: 155918

Ion Ratio Lower Upper

152 100

150 159.9 124.9 187.3

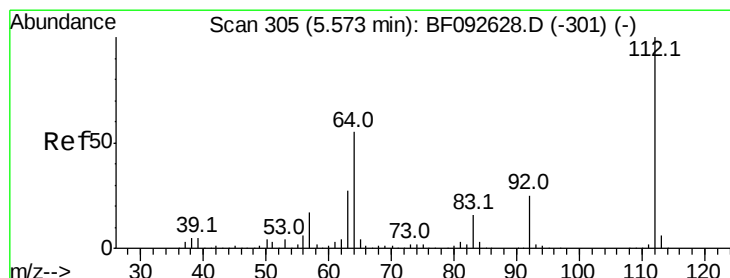
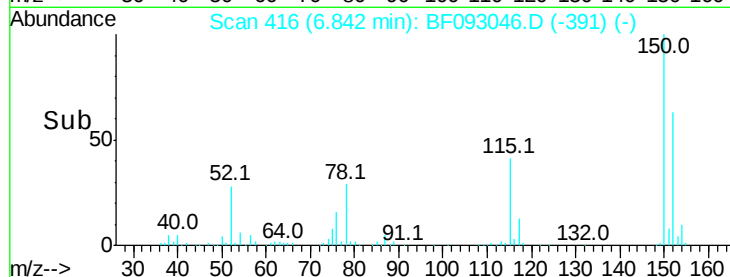
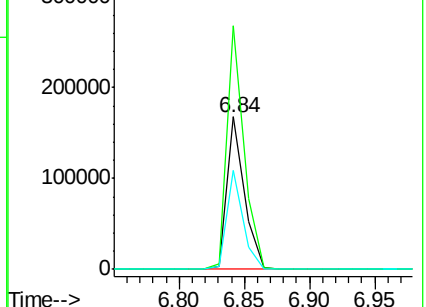
115 64.8 46.0 69.0



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: 122.22 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

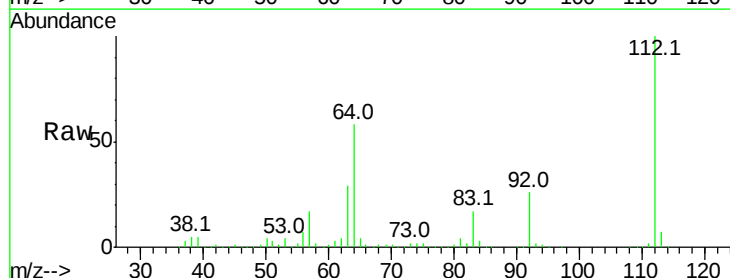
Tgt Ion:112 Resp: 1110710

Ion Ratio Lower Upper

112 100

64 58.0 46.1 69.1

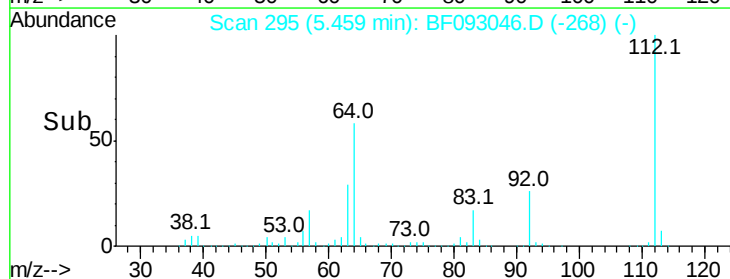
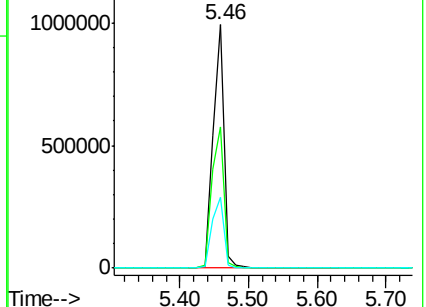
63 28.9 23.8 35.6



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: 108.10 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

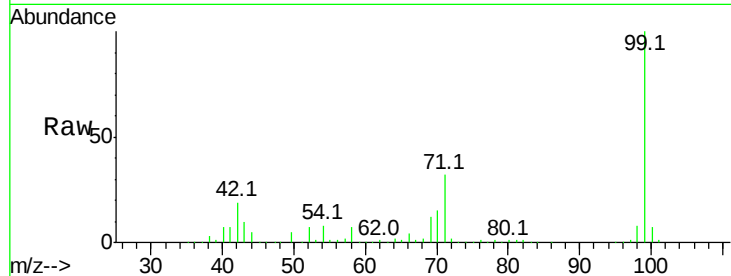
Tot Ion: 99 Resp: 1264084

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

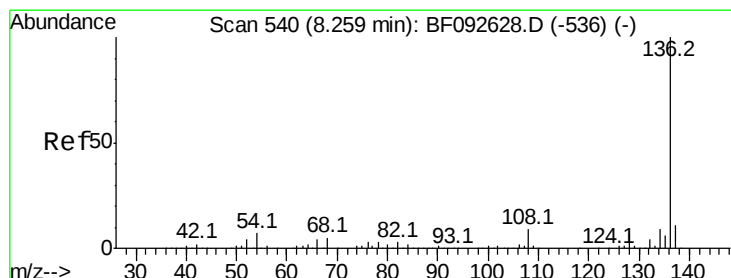
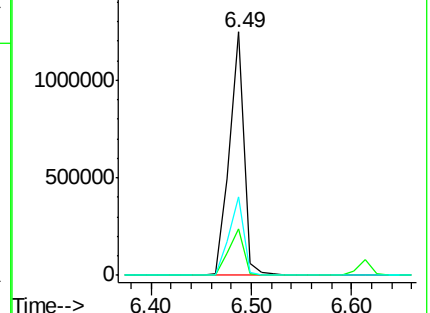
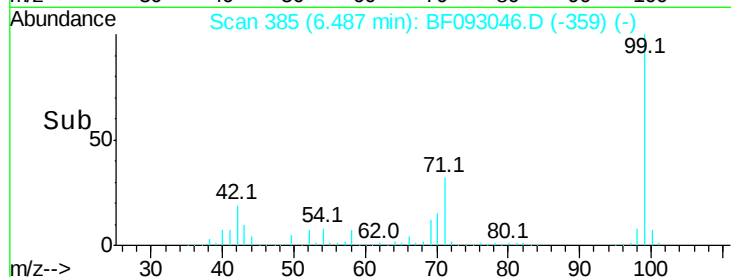
71 32.0 27.5 41.3



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: BF093046.D

Acq: 20 Feb 2017 23:26

Tgt Ion:136 Resp: 620644

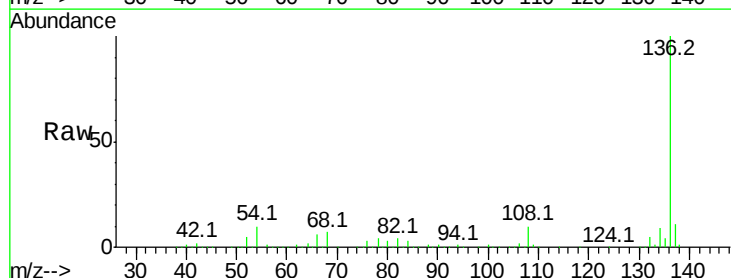
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 10.4 4.5 6.7#

68 7.5 3.6 5.4#

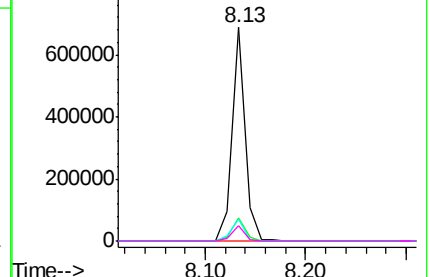
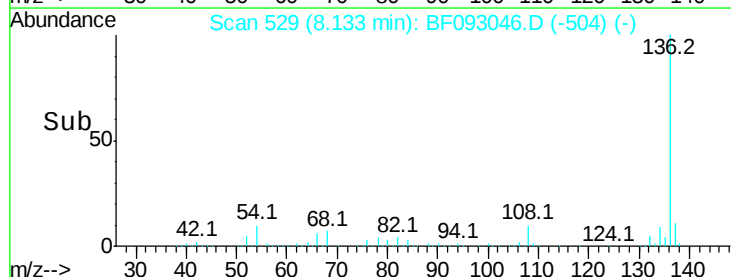


Abundance Ion 136.00 (135.70 to 136.70): E

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

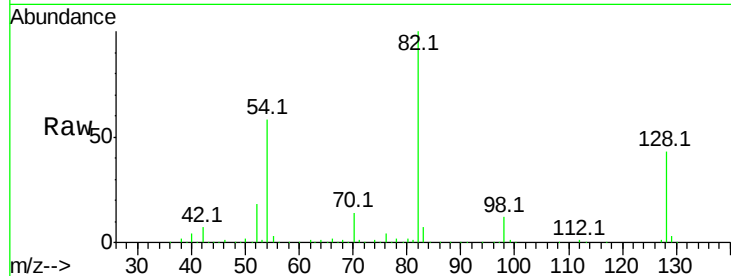




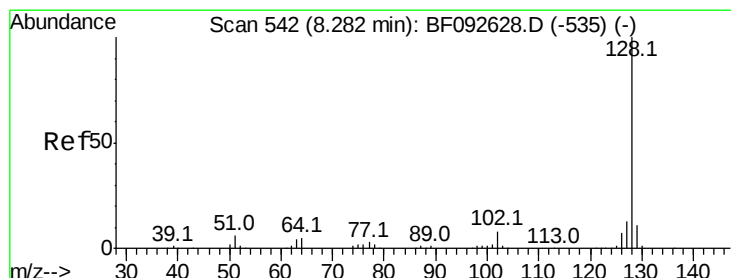
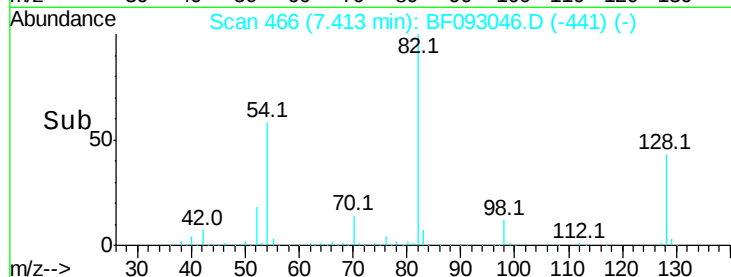
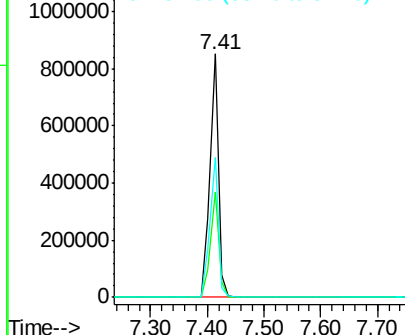
#23
 Nitrobenzene-d5
 Concen: 75.68 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tot Ion: 82 Resp: 843518
 Ion Ratio Lower Upper
 82 100
 128 43.1 34.6 52.0
 54 57.5 39.5 59.3

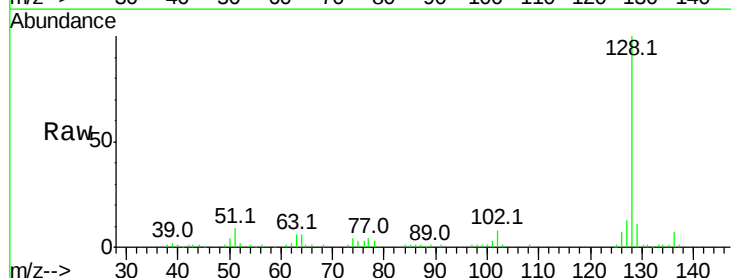


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

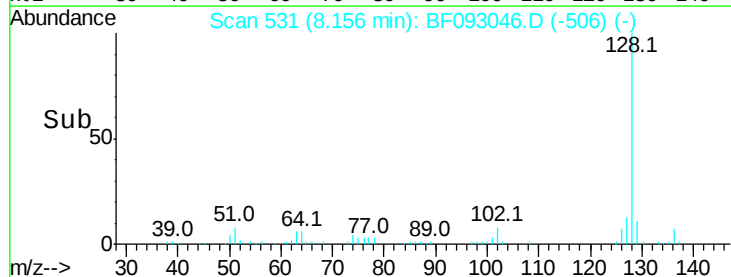
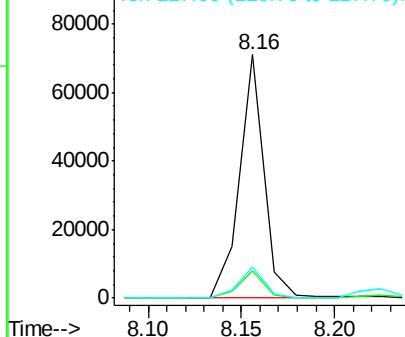


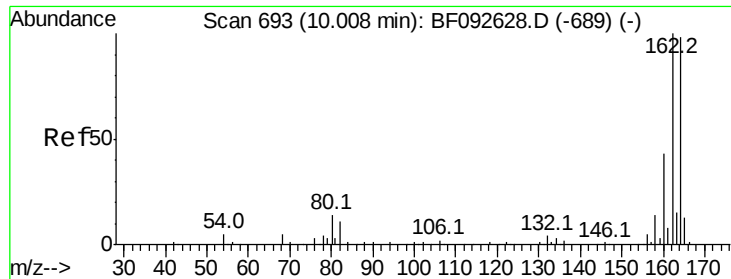
#31
 Naphthalene
 Concen: 2.08 ng
 RT: 8.16 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Tgt Ion:128 Resp: 65478
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.5 14.3
 127 12.9 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

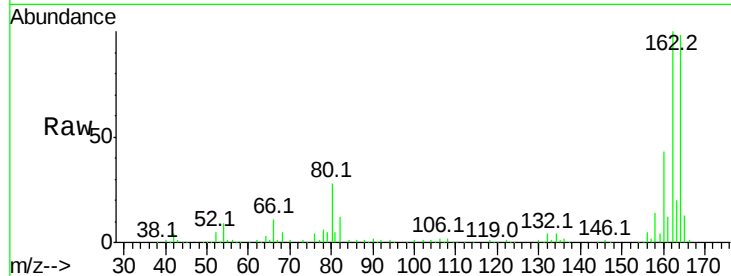




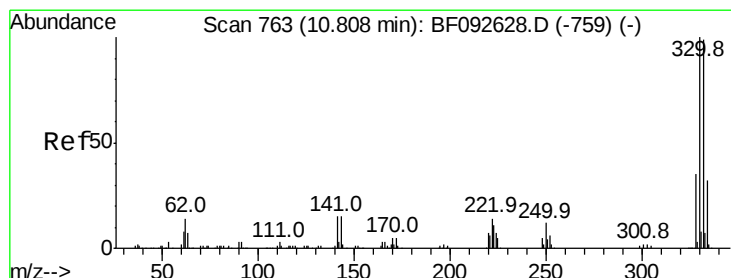
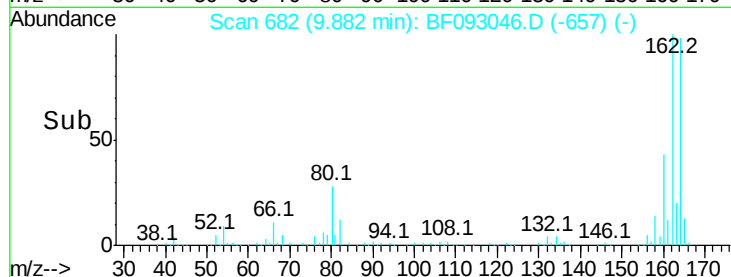
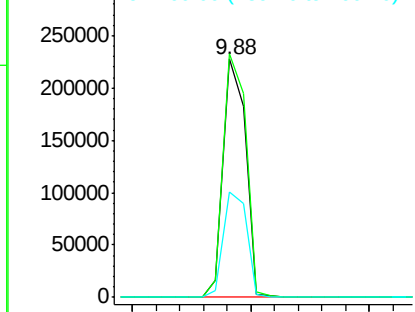
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tot Ion:164 Resp: 295834
 Ion Ratio Lower Upper
 164 100
 162 102.3 80.2 120.2
 160 44.0 36.9 55.3

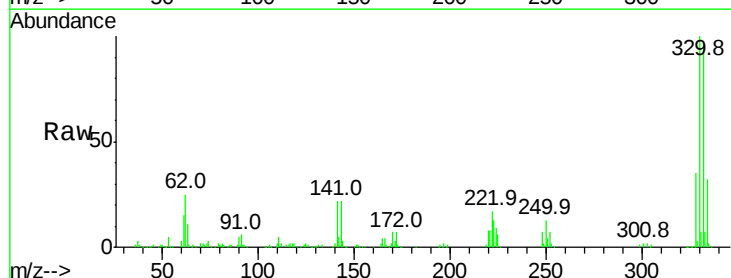


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

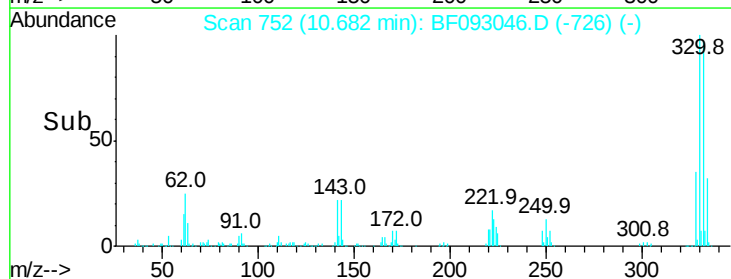
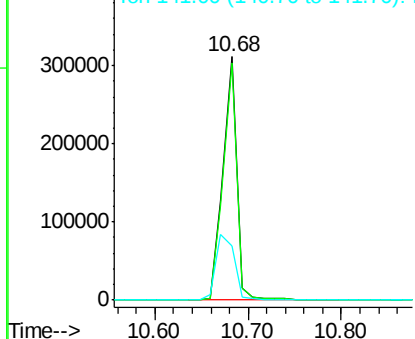


#41
 2,4,6-Tribromophenol
 Concen: 150.03 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

Tgt Ion:330 Resp: 321022
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 35.8 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



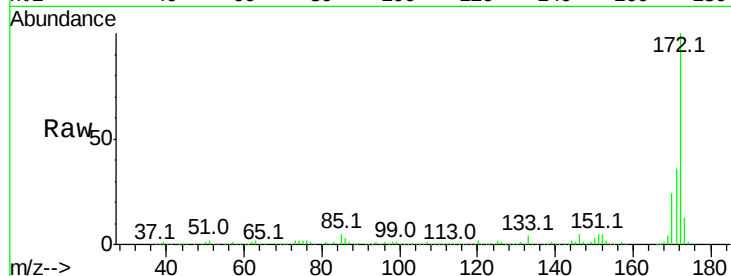


#44
 2-Fluorobiphenyl
 Concen: 97.25 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

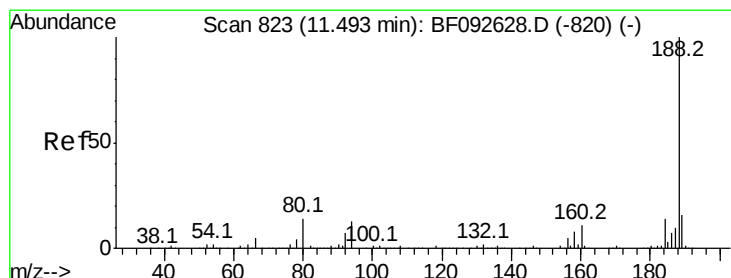
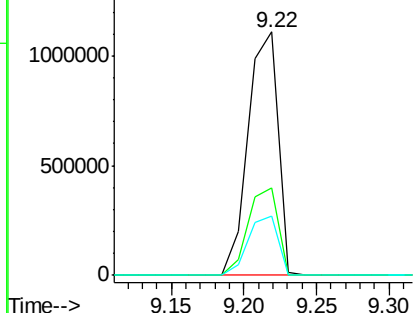
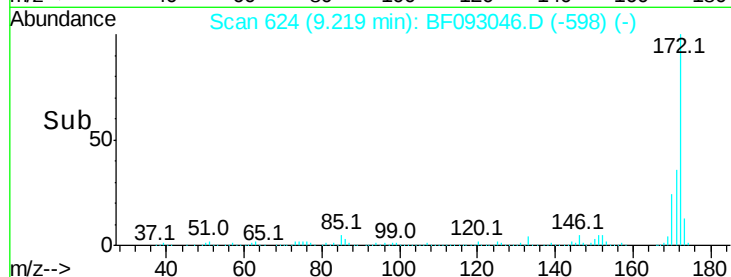
Instrument :
 BNA_F
 ClientSampleId :
 TP22-COMP16

Tot Ion:172 Resp: 1588018

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.1	20.2	30.4



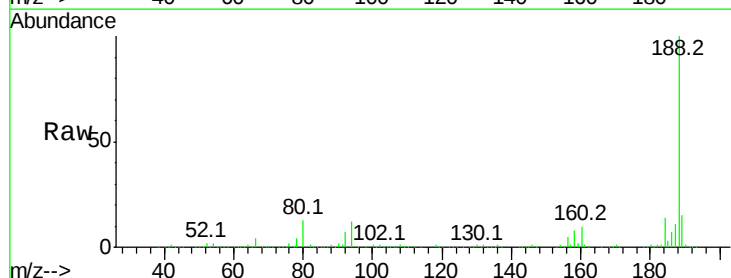
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



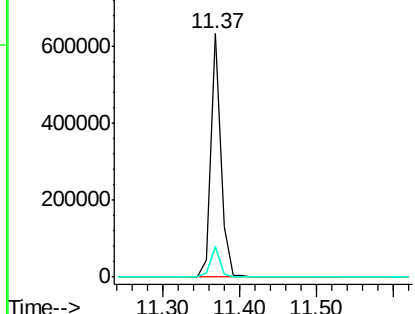
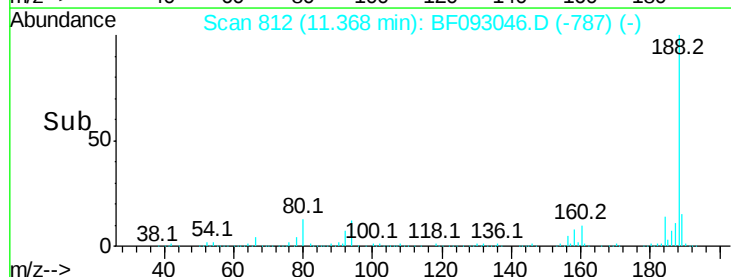
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093046.D
 Acq: 20 Feb 2017 23:26

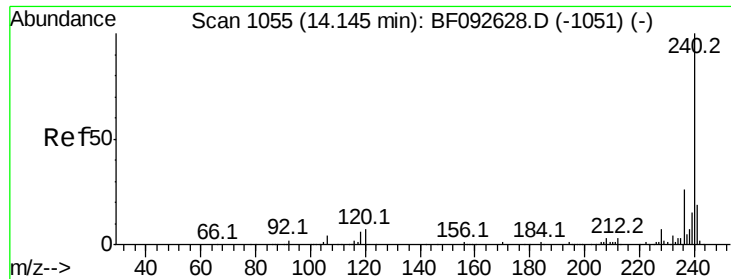
Tgt Ion:188 Resp: 565516

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.0	15.0
80	12.8	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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

Instrument :

BNA_F

ClientSampleId :

TP22-COMP16

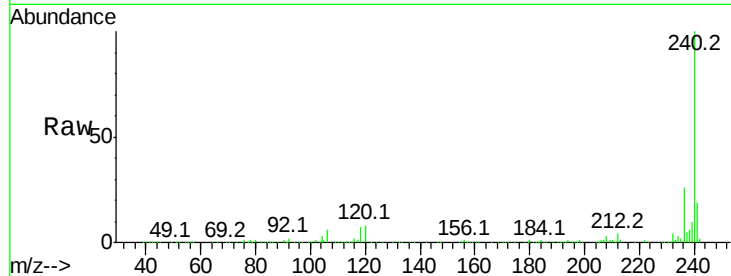
Tot Ion:240 Resp: 513717

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

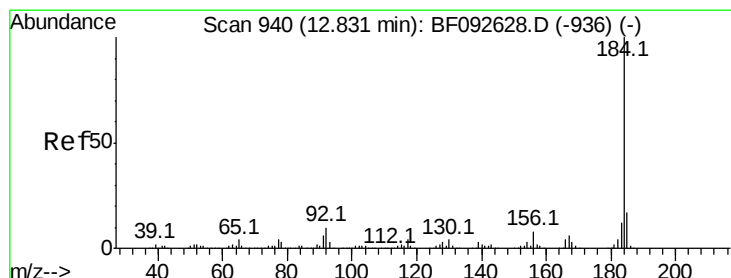
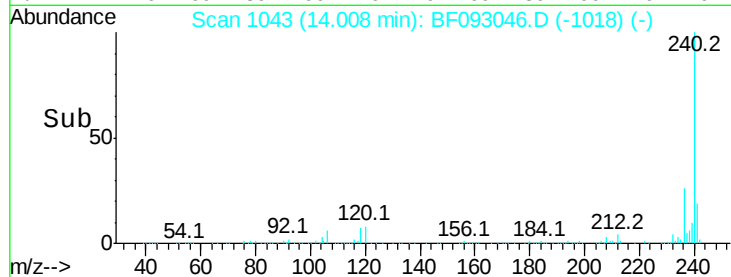
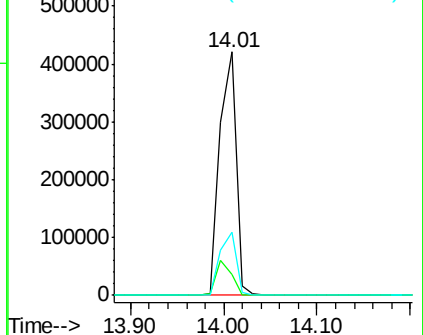
236 25.7 20.9 31.3



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: 20.66 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

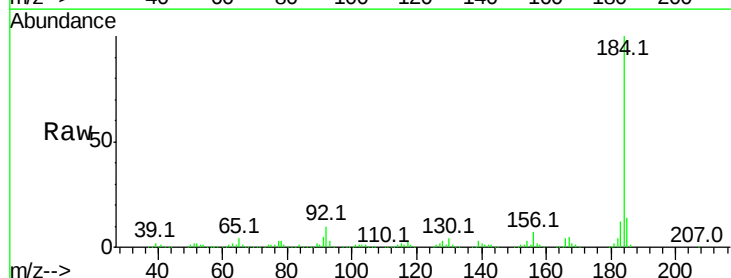
Tgt Ion:184 Resp: 452216

Ion Ratio Lower Upper

184 100

185 14.4 13.4 20.0

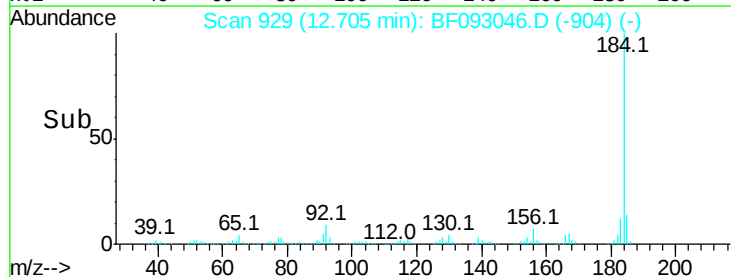
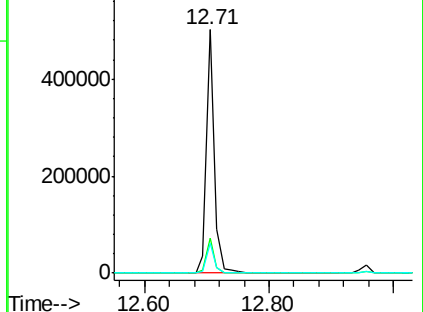
183 12.3 9.2 13.8

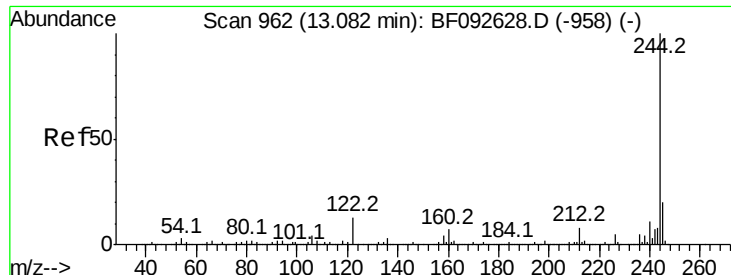


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 61.94 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

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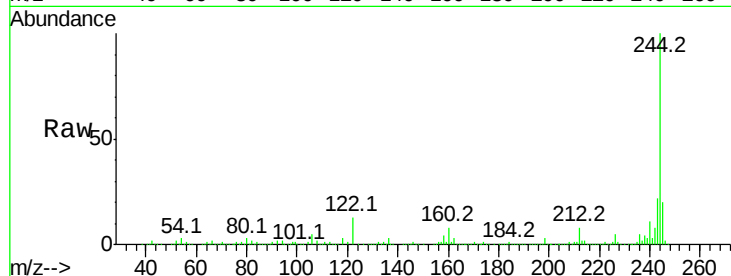
Tot Ion:244 Resp: 1354240

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

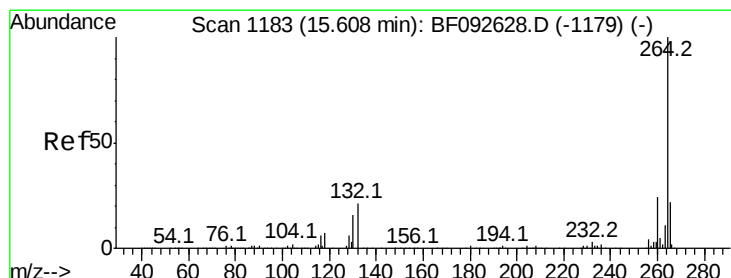
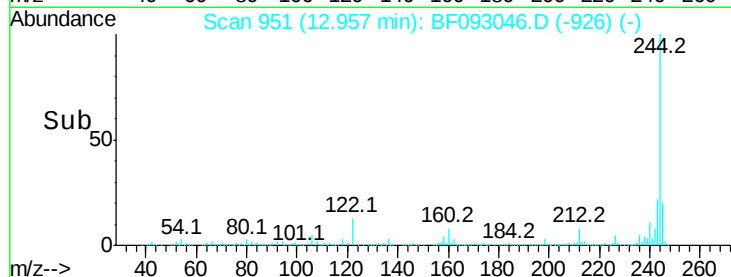
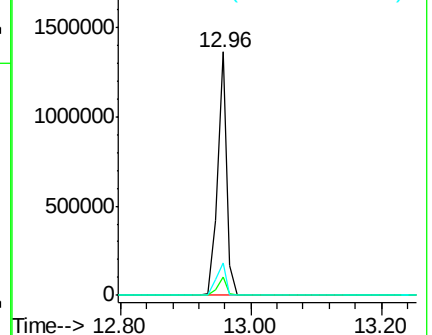
122 13.3 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093046.D

Acq: 20 Feb 2017 23:26

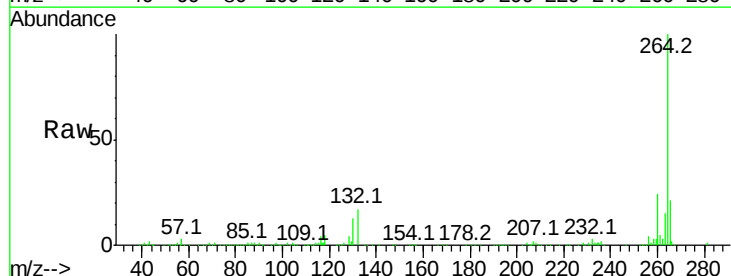
Tgt Ion:264 Resp: 371770

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.3 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

