

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093192.D
 Acq On : 25 Feb 2017 14:57
 Operator : SJ/MA
 Sample : I1972-22
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z6-BASE

Quant Time: Feb 27 07:32:58 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

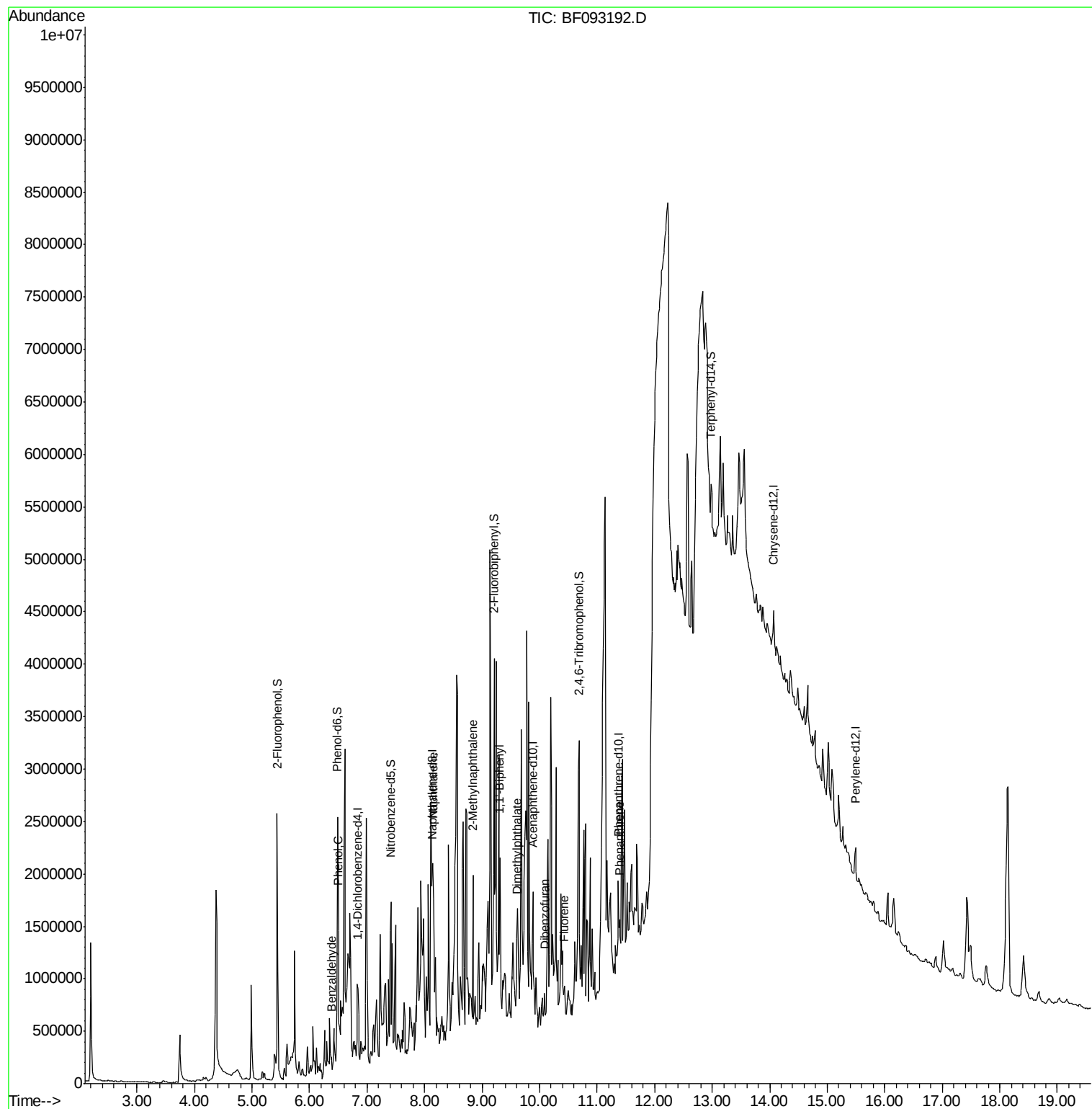
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	136946	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	453212	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	188185	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	303130	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	248001	20.00	ng	0.05
86) Perylene-d12	15.49	264	189552	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	804749	100.82	ng	-0.01
7) Phenol-d6	6.49	99	999133	97.28	ng	0.00
23) Nitrobenzene-d5	7.41	82	609588	74.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	136997	100.65	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	890879	85.77	ng	-0.01
78) Terphenyl-d14	12.98	244	511551	48.47	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.38	77	21192	2.88	ng	88
10) Phenol	6.50	94	55072	4.58	ng	# 83
31) Naphthalene	8.14	128	829347	36.10	ng	99
37) 2-Methylnaphthalene	8.84	142	370450	25.11	ng	97
45) 1,1'-Biphenyl	9.31	154	206990	15.19	ng	99
49) Dimethylphthalate	9.61	163	65558	5.17	ng	# 98
54) Dibenzofuran	10.09	168	91871	6.24	ng	95
57) Fluorene	10.43	166	38171	3.37	ng	# 92
70) Phenanthrene	11.39	178	129825	7.48	ng	97

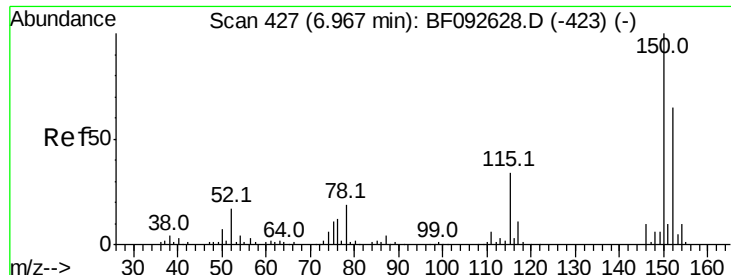
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

Instrument :

BNA_F

ClientSampleId :

E2-Z6-BASE

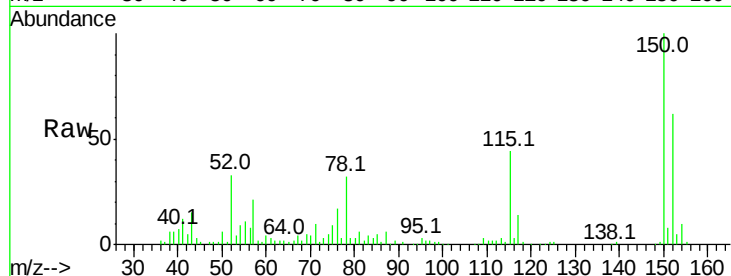
Tot Ion:152 Resp: 136946

Ion Ratio Lower Upper

152 100

150 161.8 124.9 187.3

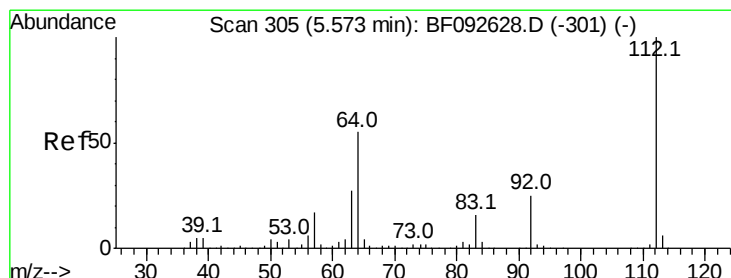
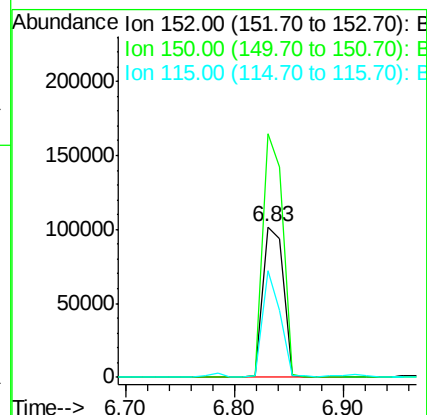
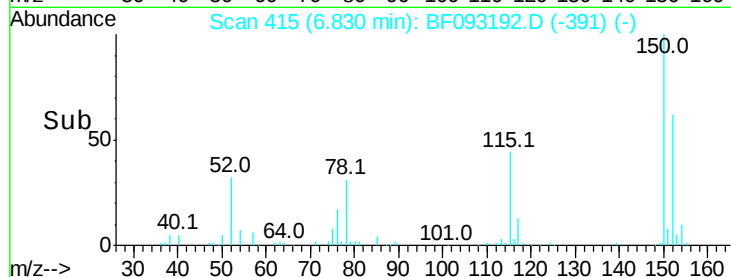
115 70.9 46.0 69.0#



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: 100.82 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

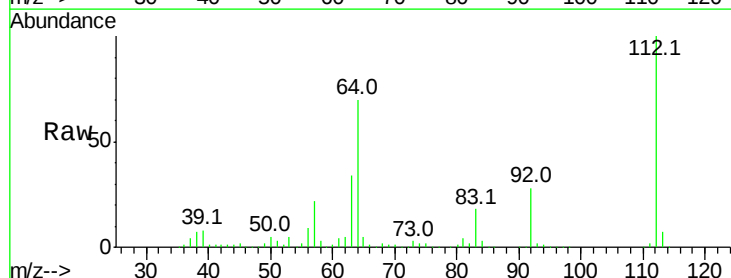
Tgt Ion:112 Resp: 804749

Ion Ratio Lower Upper

112 100

64 70.1 46.1 69.1#

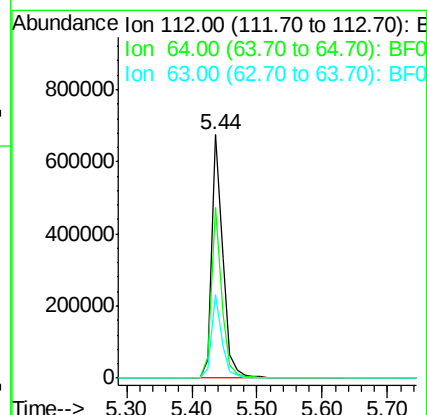
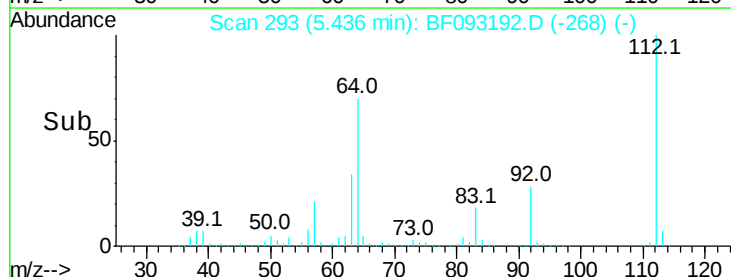
63 34.2 23.8 35.6

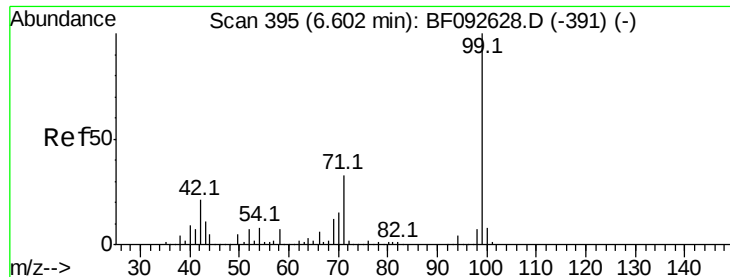


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.28 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

Instrument :

BNA_F

ClientSampleId :

E2-Z6-BASE

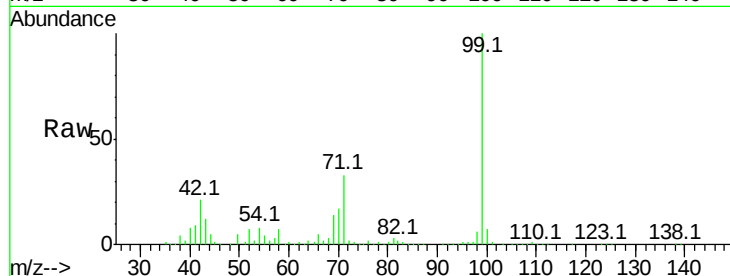
Tot Ion: 99 Resp: 999133

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

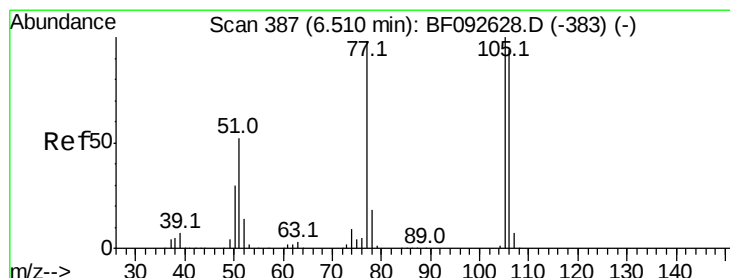
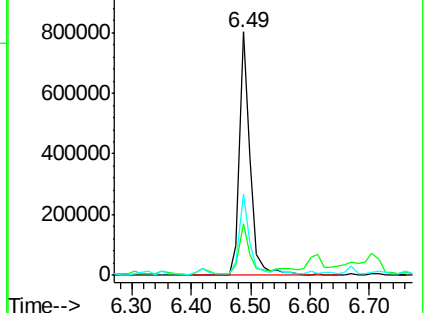
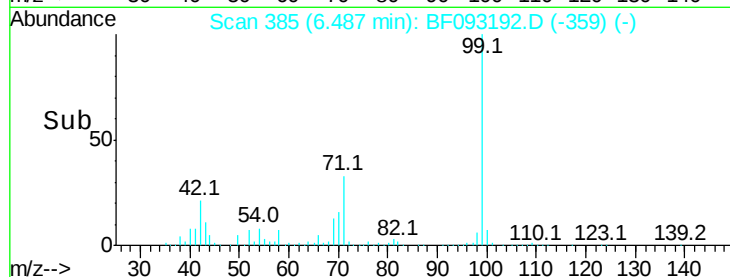
71 33.1 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.88 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

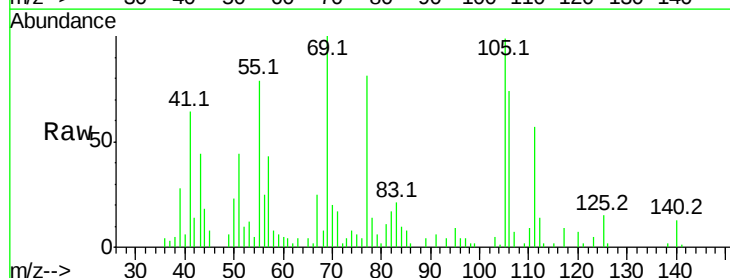
Tgt Ion: 77 Resp: 21192

Ion Ratio Lower Upper

77 100

105 122.6 83.9 123.9

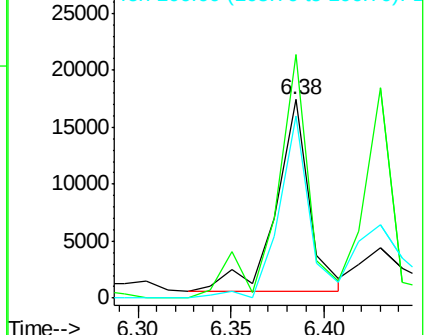
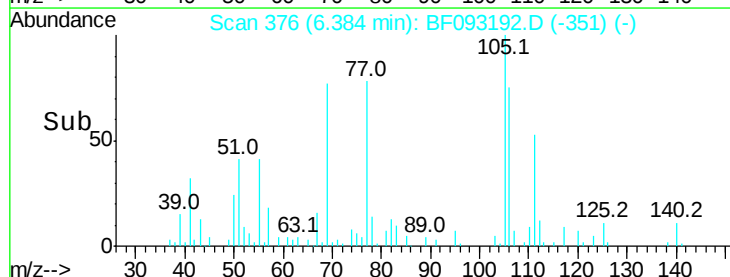
106 91.8 77.6 117.6

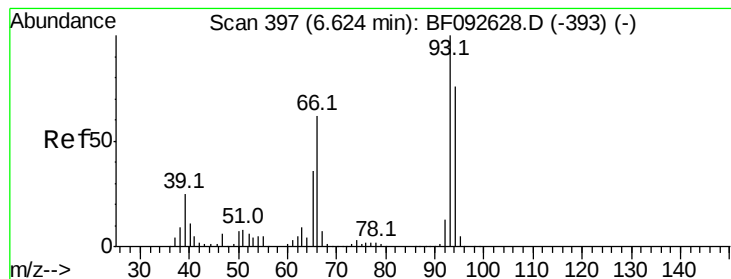


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.58 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

Instrument :

BNA_F

ClientSampleId :

E2-Z6-BASE

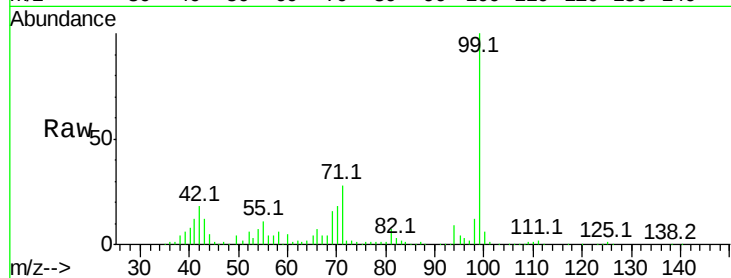
Tot Ion: 94 Resp: 55072

Ion Ratio Lower Upper

94 100

65 42.6 21.4 61.4

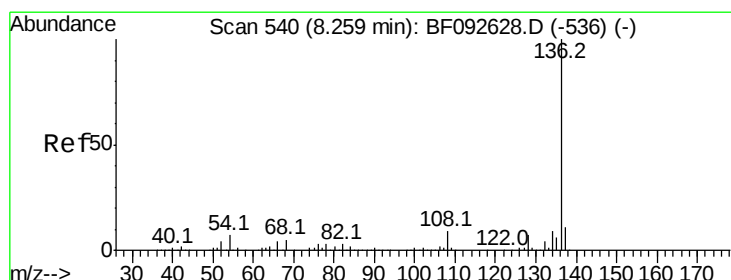
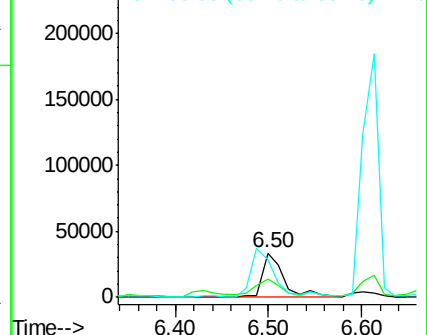
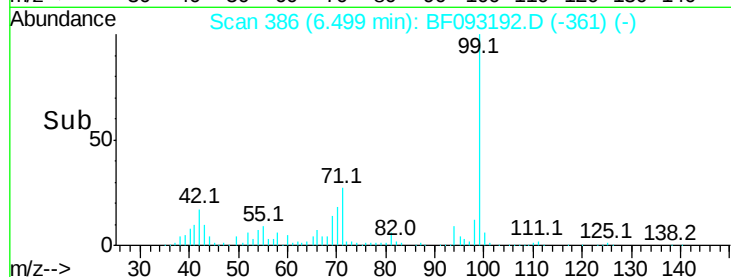
66 84.9 44.0 84.0#



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: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

Tgt Ion:136 Resp: 453212

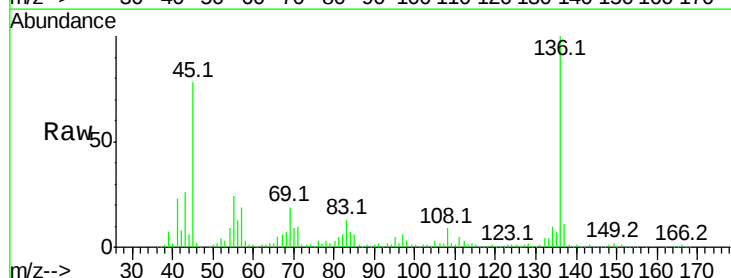
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 8.8 4.5 6.7#

68 7.1 3.6 5.4#

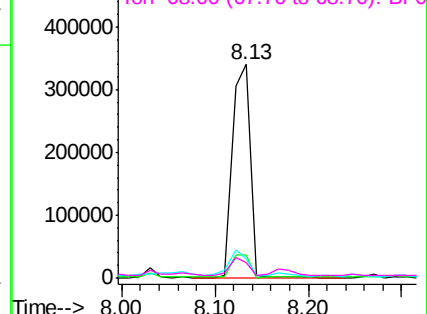
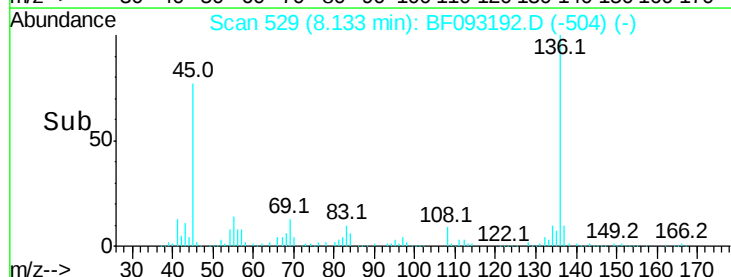


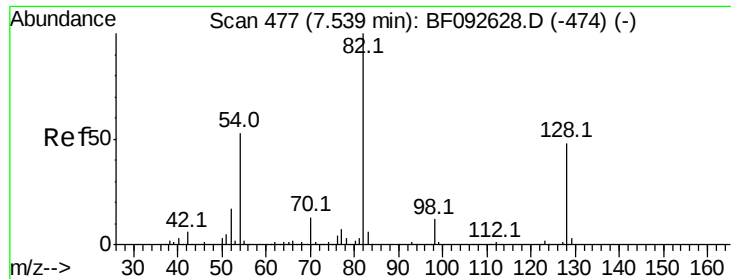
Abundance Ion 136.00 (135.70 to 136.70): E

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

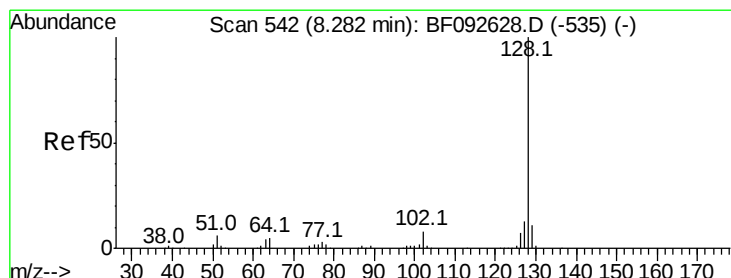
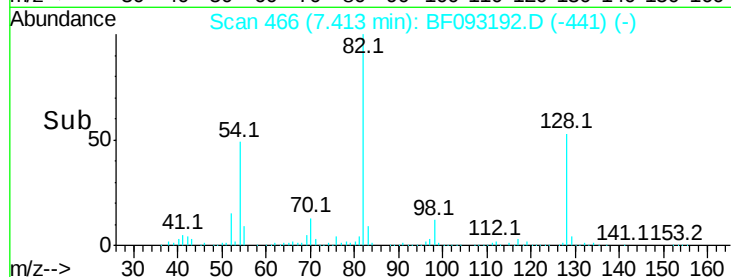
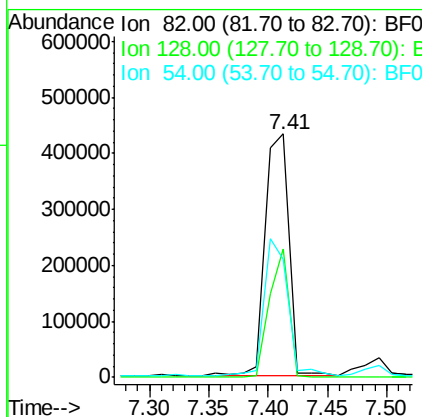
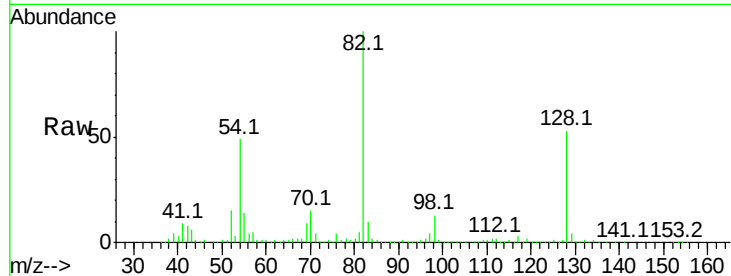




#23
Nitrobenzene-d5
Concen: 74.90 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093192.D
Acq: 25 Feb 2017 14:57

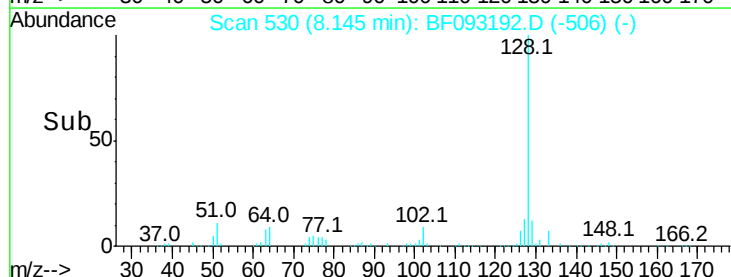
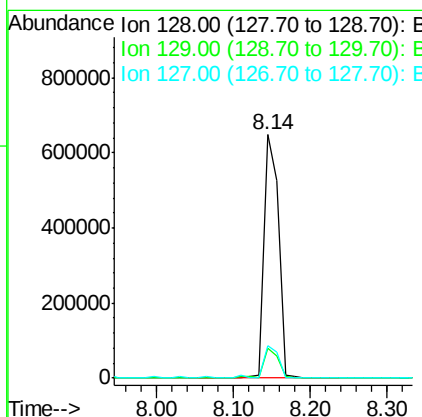
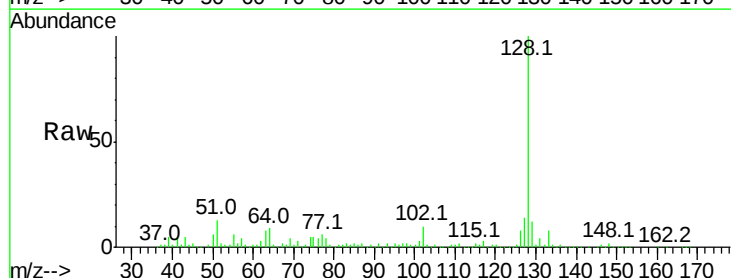
Instrument :
BNA_F
ClientSampleId :
E2-Z6-BASE

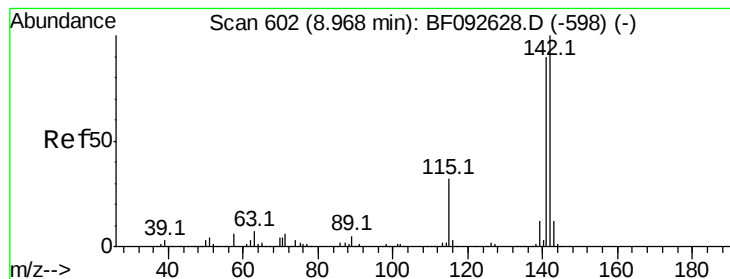
Tot Ion: 82 Resp: 609588
Ion Ratio Lower Upper
82 100
128 52.9 34.6 52.0#
54 48.8 39.5 59.3



#31
Naphthalene
Concen: 36.10 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF093192.D
Acq: 25 Feb 2017 14:57

Tgt Ion: 128 Resp: 829347
Ion Ratio Lower Upper
128 100
129 12.3 9.5 14.3
127 13.6 10.8 16.2

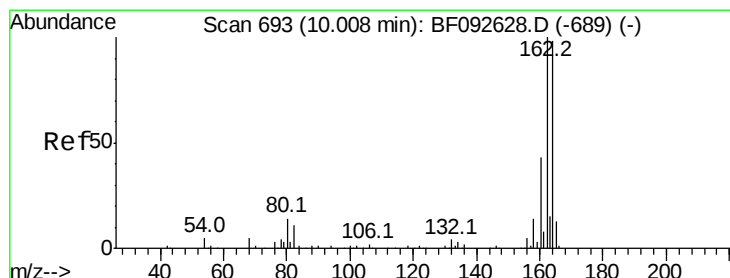
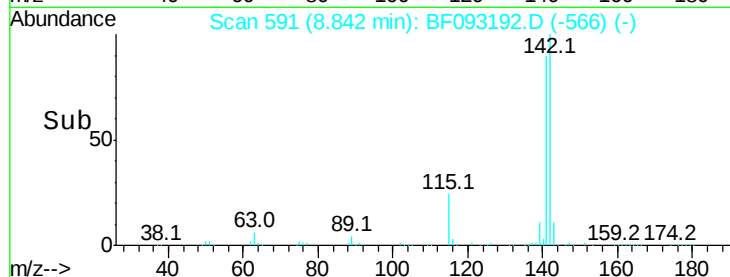
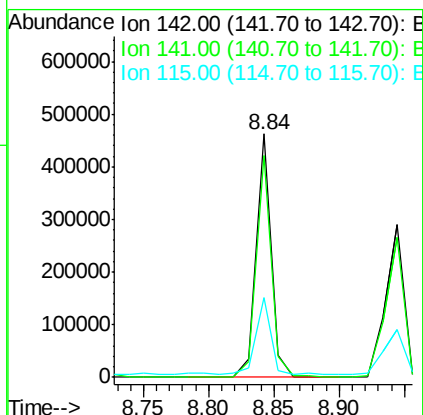
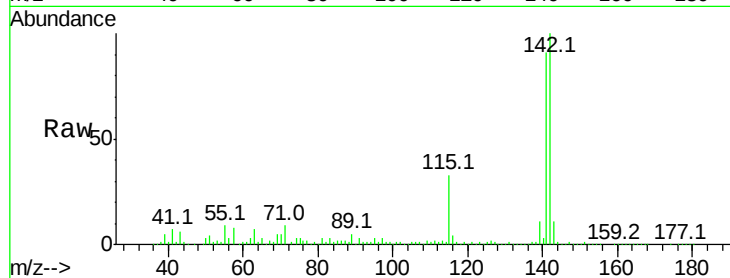




#37
 2-Methylnaphthalene
 Concen: 25.11 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF093192.D
 Acq: 25 Feb 2017 14:57

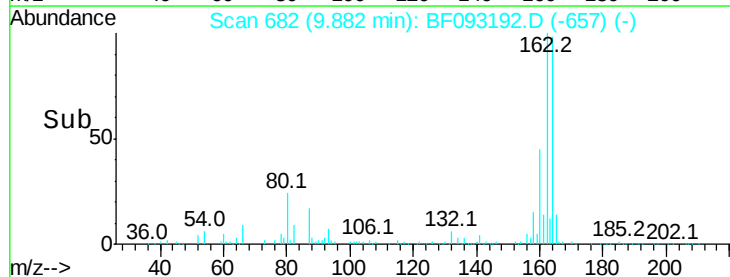
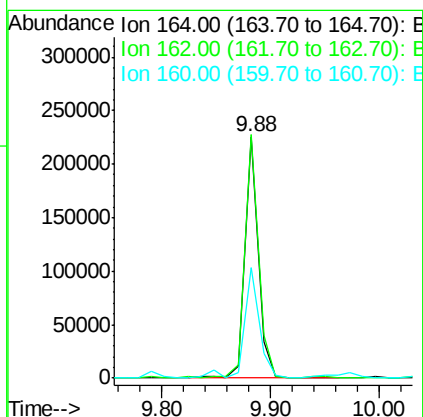
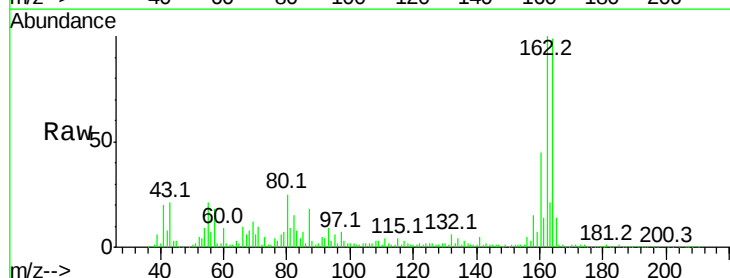
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z6-BASE

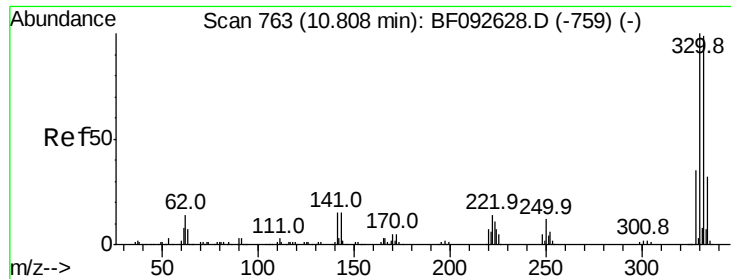
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.0	106.6
115	33.0	28.3	42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093192.D
 Acq: 25 Feb 2017 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	45.8	36.9	55.3

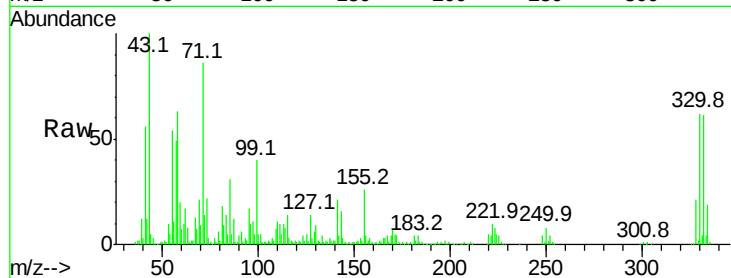




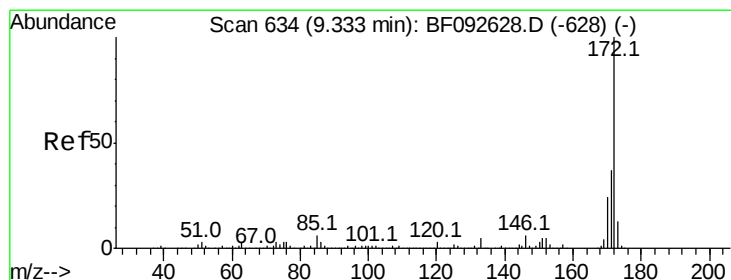
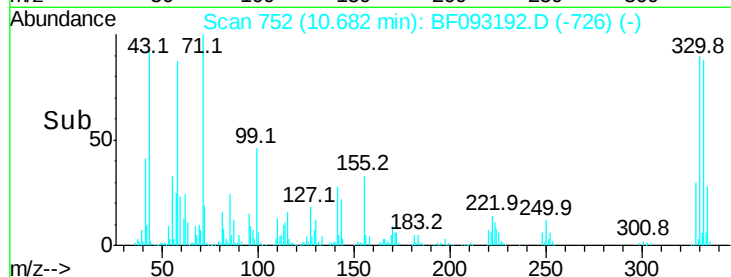
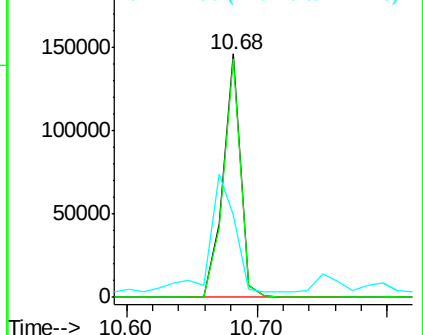
#41
 2,4,6-Tribromophenol
 Concen: 100.65 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093192.D
 Acq: 25 Feb 2017 14:57

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z6-BASE

Tot Ion:330 Resp: 136997
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 69.9 34.1 51.1#

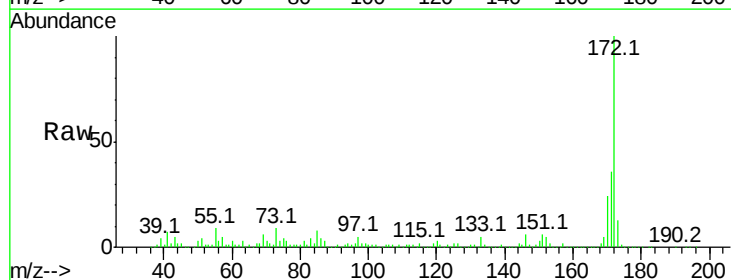


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

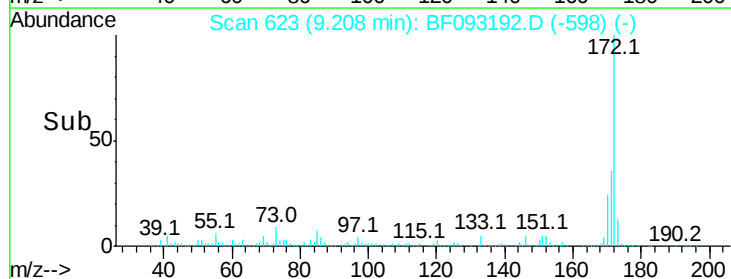
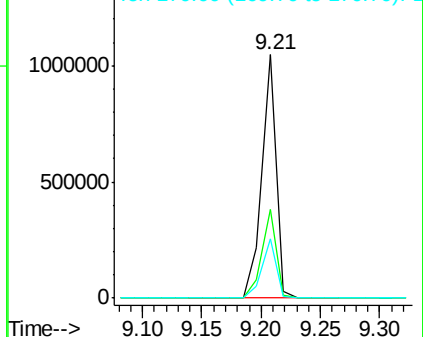


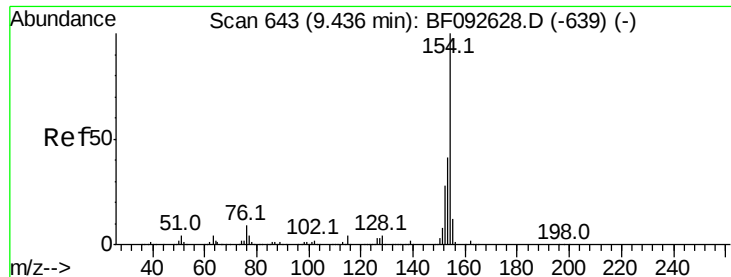
#44
 2-Fluorobiphenyl
 Concen: 85.77 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093192.D
 Acq: 25 Feb 2017 14:57

Tgt Ion:172 Resp: 890879
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.2 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





#45

1,1'-Biphenyl

Concen: 15.19 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

Instrument :

BNA_F

ClientSampleId :

E2-Z6-BASE

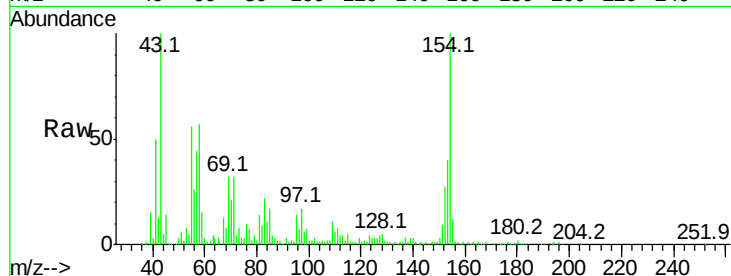
Tot Ion:154 Resp: 206990

Ion Ratio Lower Upper

154 100

153 40.2 20.9 60.9

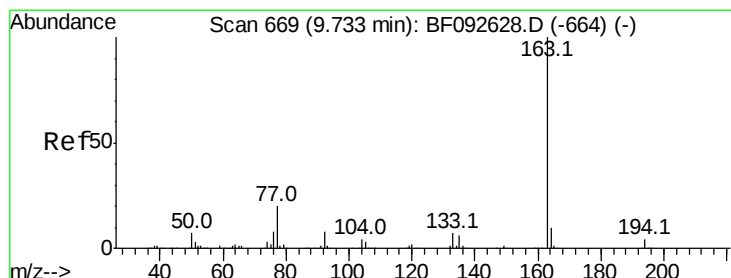
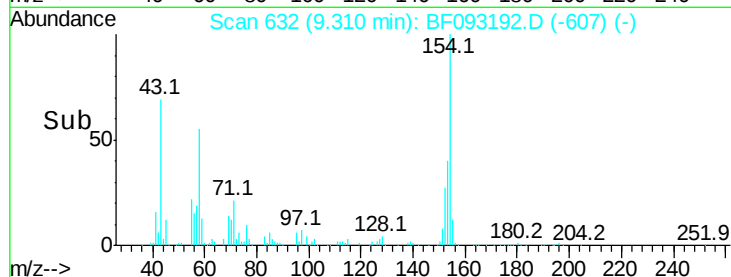
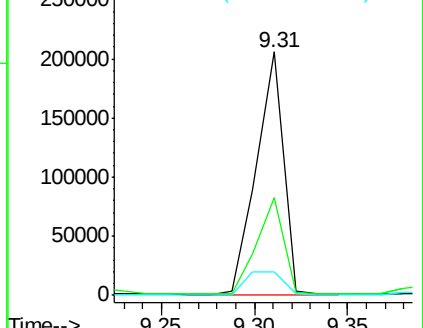
76 9.7 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 5.17 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

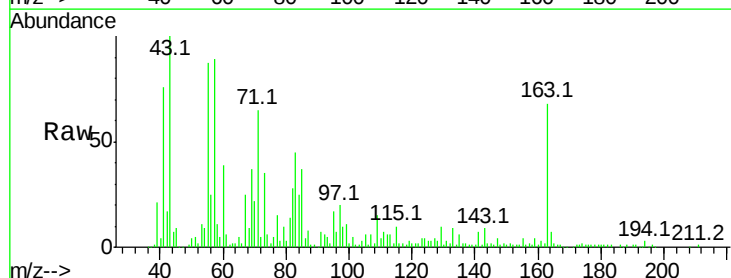
Tgt Ion:163 Resp: 65558

Ion Ratio Lower Upper

163 100

194 4.9 3.0 4.4#

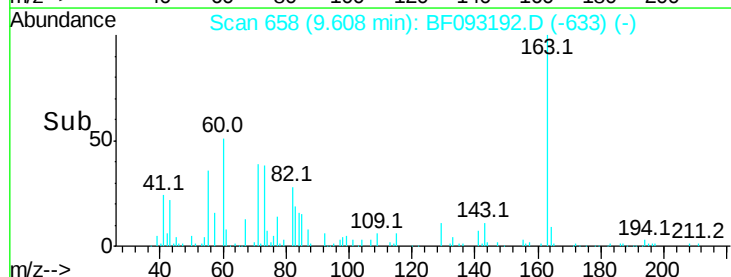
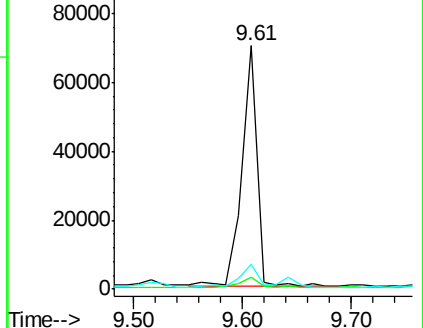
164 10.4 8.0 12.0

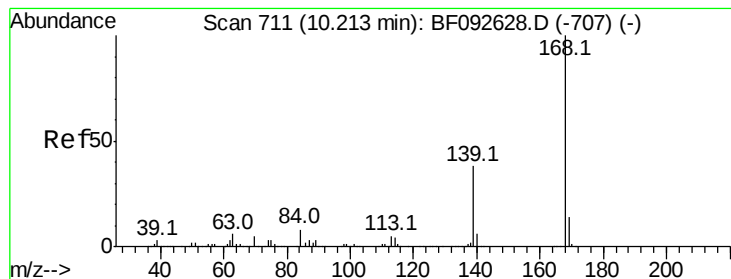


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

Dibenzenofuran

Concen: 6.24 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

Instrument :

BNA_F

ClientSampleId :

E2-Z6-BASE

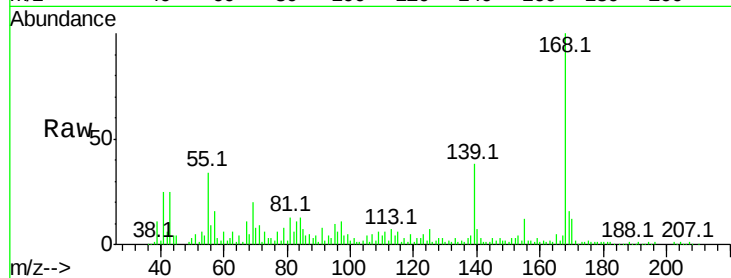
Tot Ion:168 Resp: 91871

Ion Ratio Lower Upper

168 100

139 38.0 32.6 49.0

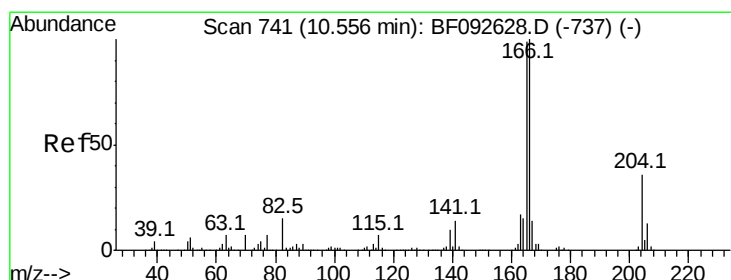
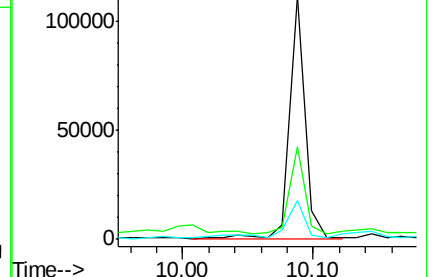
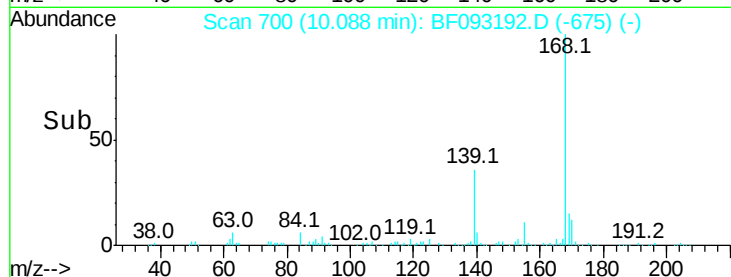
169 16.0 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.37 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

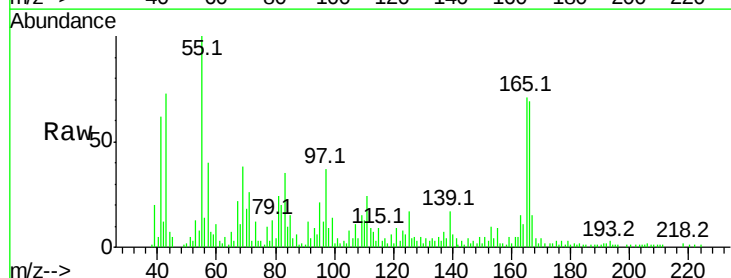
Tgt Ion:166 Resp: 38171

Ion Ratio Lower Upper

166 100

165 103.2 77.8 116.8

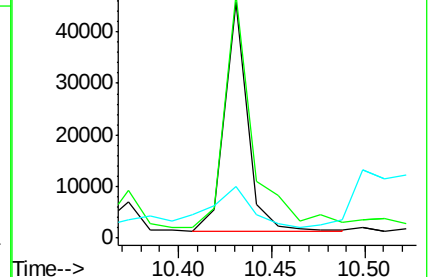
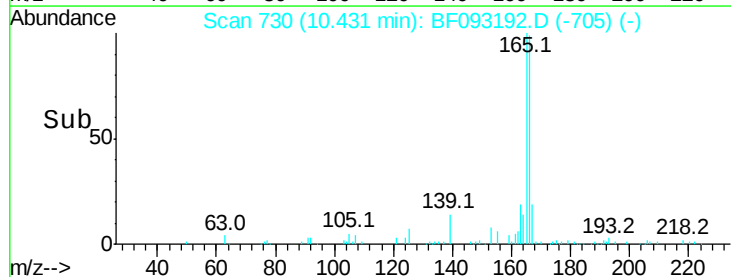
167 22.1 10.8 16.2#

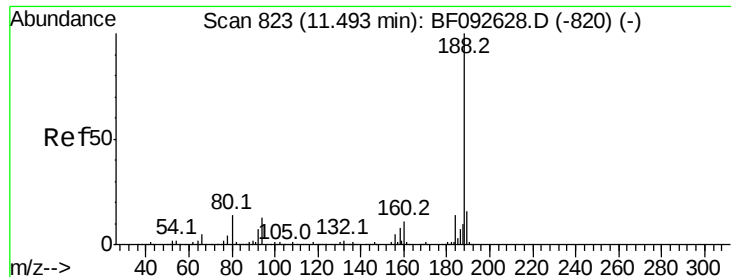


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

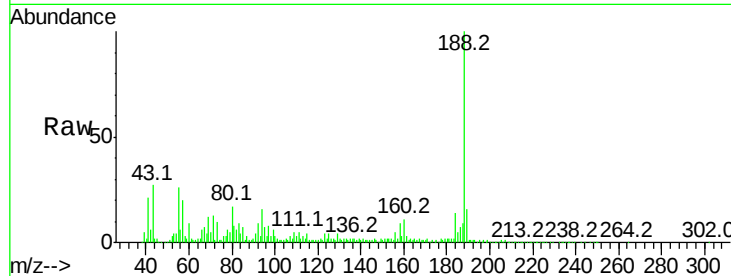




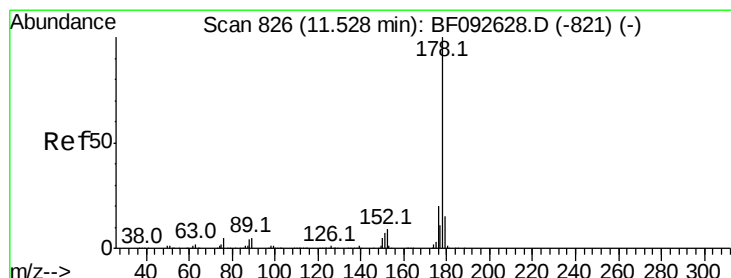
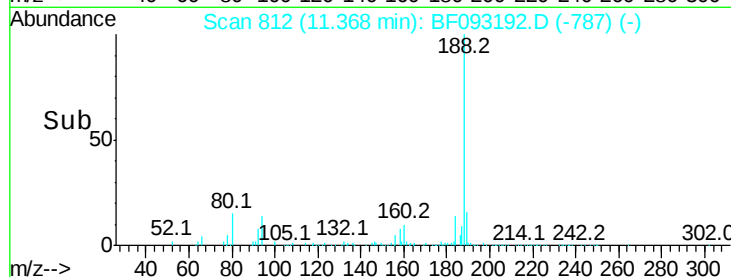
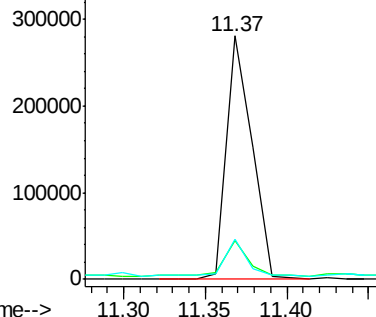
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093192.D
Acq: 25 Feb 2017 14:57

Instrument :
BNA_F
ClientSampleId :
E2-Z6-BASE

Tot Ion:188 Resp: 303130
Ion Ratio Lower Upper
188 100
94 15.8 10.0 15.0#
80 16.6 11.2 16.8

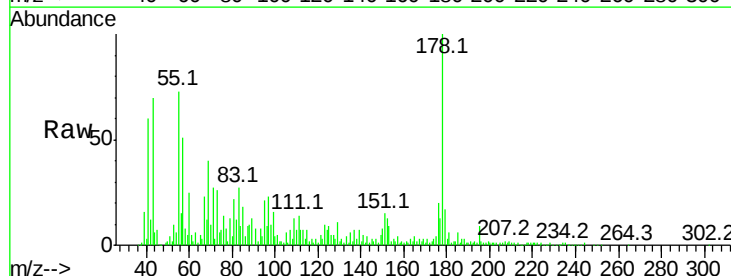


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

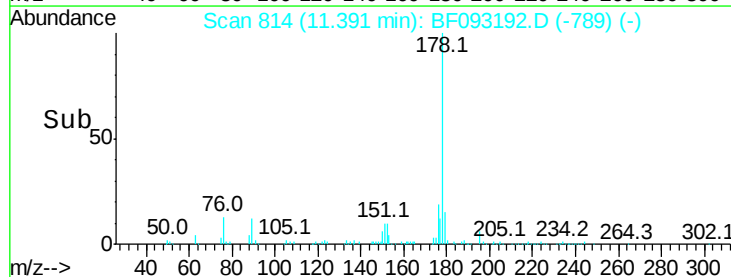
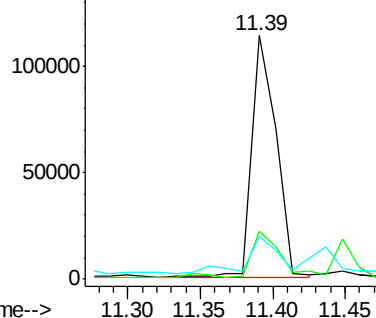


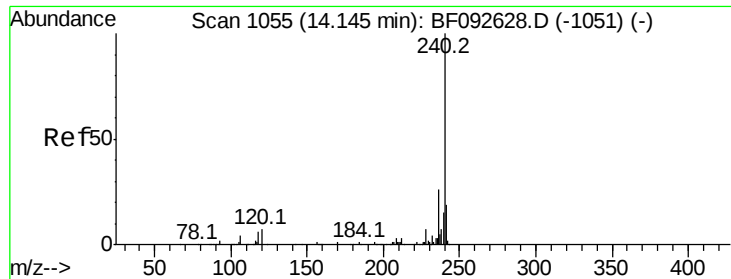
#70
Phenanthrene
Concen: 7.48 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093192.D
Acq: 25 Feb 2017 14:57

Tgt Ion:178 Resp: 129825
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 17.4 12.8 19.2



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

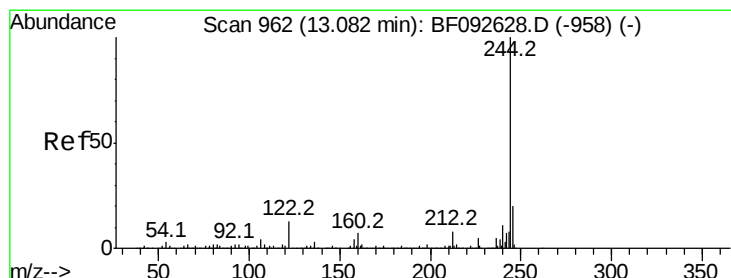
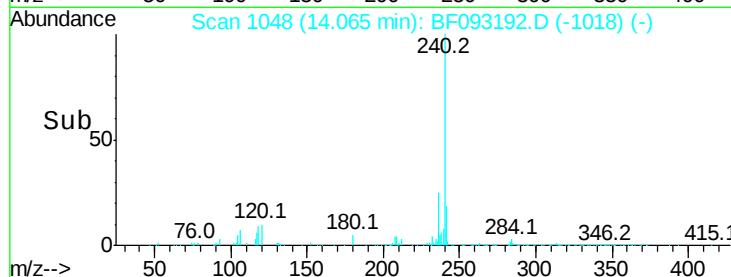
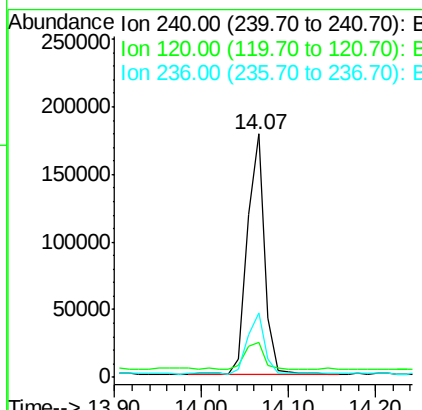
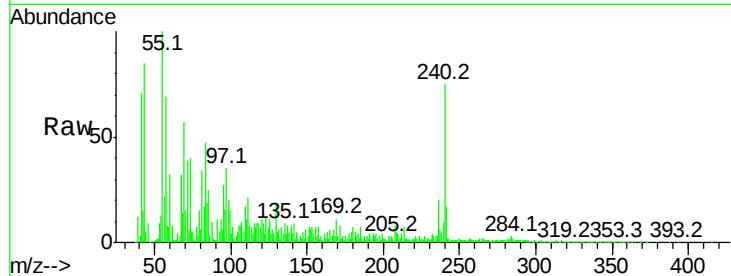




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.07 min Scan# 1048
 Delta R.T. 0.05 min
 Lab File: BF093192.D
 Acq: 25 Feb 2017 14:57

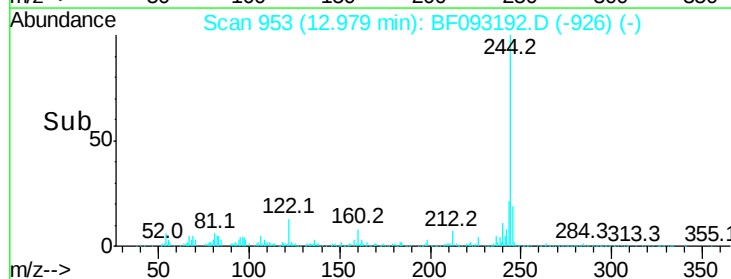
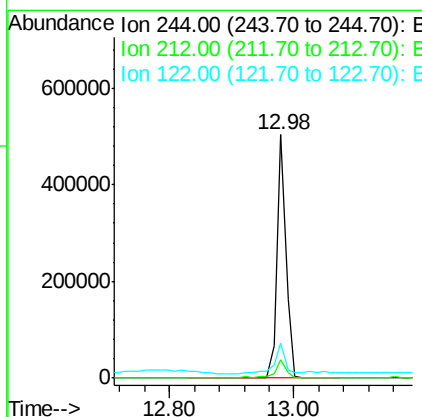
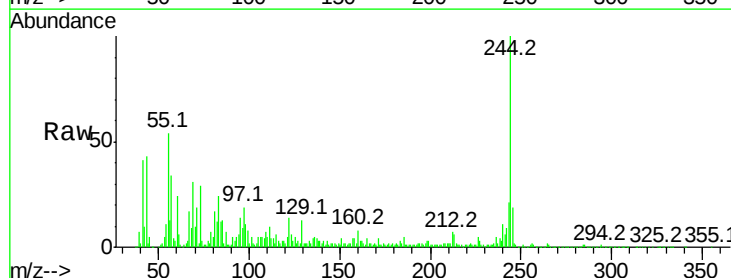
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z6-BASE

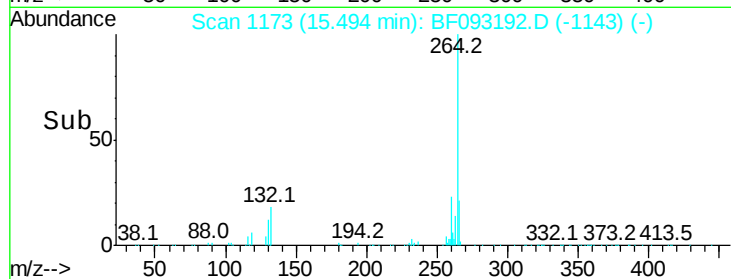
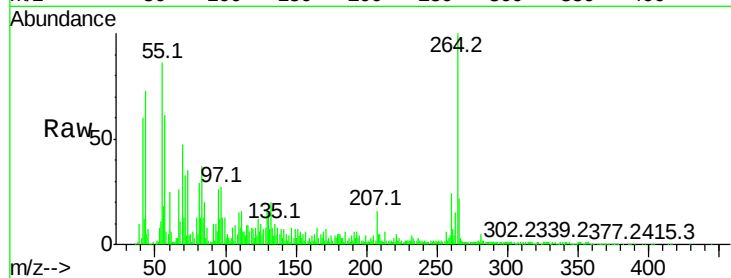
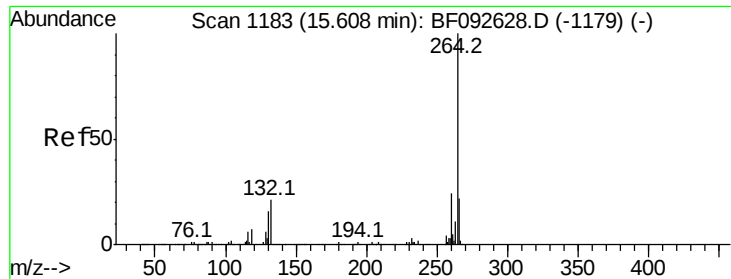
Tot Ion:240	Resp:	248001
Ion Ratio	Lower	Upper
240	100	
120	14.4	12.9 19.3
236	26.4	20.9 31.3



#78
 Terphenyl-d14
 Concen: 48.47 ng
 RT: 12.98 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: BF093192.D
 Acq: 25 Feb 2017 14:57

Tgt Ion:244	Resp:	511551
Ion Ratio	Lower	Upper
244	100	
212	7.3	6.2 9.2
122	14.5	11.4 17.2





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. 0.05 min

Lab File: BF093192.D

Acq: 25 Feb 2017 14:57

Instrument :

BNA_F

ClientSampleId :

E2-Z6-BASE

Tot Ion: 264 Resp: 189552

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.1 17.4 26.0

