

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093207.D
 Acq On : 27 Feb 2017 14:26
 Operator : SJ/MA
 Sample : I1972-19 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Quant Time: Feb 27 15:06:43 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

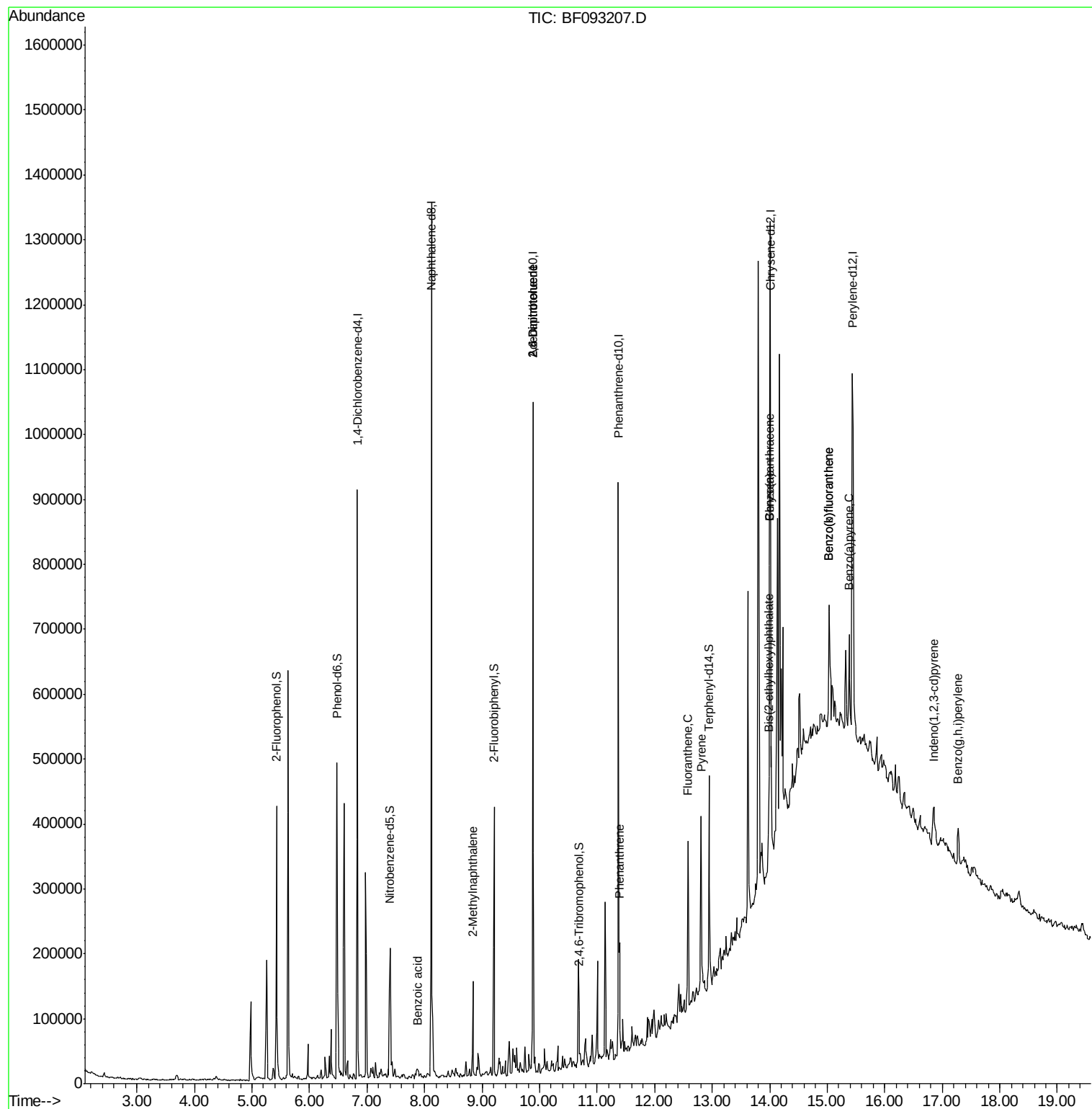
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	153161	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	543965	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	200499	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	294287	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	347830	20.00	ng	-0.01
86) Perylene-d12	15.44	264	288089	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	129643	14.52	ng	-0.02
7) Phenol-d6	6.48	99	168744	14.69	ng	-0.01
23) Nitrobenzene-d5	7.40	82	87306	8.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	17044	11.75	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	148389	13.41	ng	-0.01
78) Terphenyl-d14	12.95	244	107682	7.27	ng	-0.02
Target Compounds						Qvalue
32) Benzoic acid	7.88	122	665	7.29	ng	# 1
37) 2-Methylnaphthalene	8.84	142	39932	2.26	ng	97
50) 2,6-Dinitrotoluene	9.88	165	25642	8.79	ng	# 32
56) 2,4-Dinitrotoluene	9.88	165	25642	6.60	ng	# 21
70) Phenanthrene	11.39	178	59257	3.51	ng	97
74) Fluoranthene	12.58	202	96034	5.52	ng	98
77) Pyrene	12.81	202	108492	4.17	ng	98
80) Benzo(a)anthracene	14.00	228	85903	4.04	ng	94
82) Chrysene	14.00	228	85903	4.31	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	33120	2.29	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.85	276	36407	2.36	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	147933	7.80	ng	# 93
88) Benzo(k)fluoranthene	15.03	252	147933	9.04	ng	# 92
89) Benzo(a)pyrene	15.38	252	62455	3.81	ng	# 93
91) Benzo(a,h,i)perylene	17.28	276	42228	3.15	ng	# 83

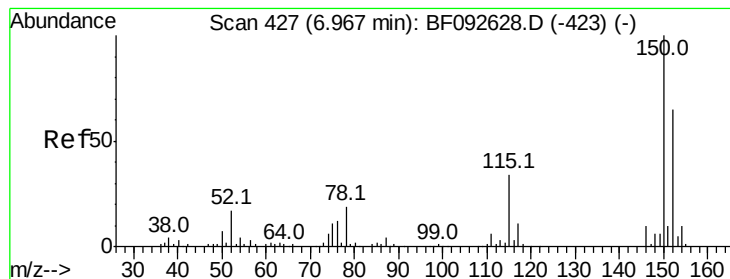
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

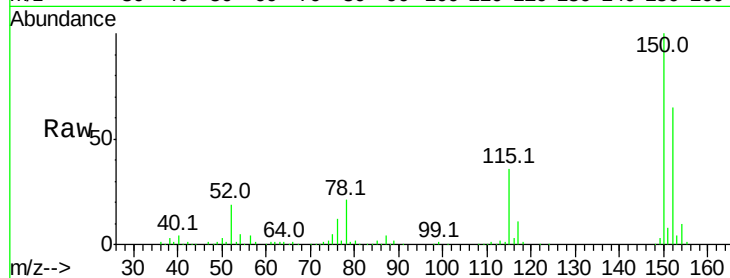
Tot Ion:152 Resp: 153161

Ion Ratio Lower Upper

152 100

150 154.2 124.9 187.3

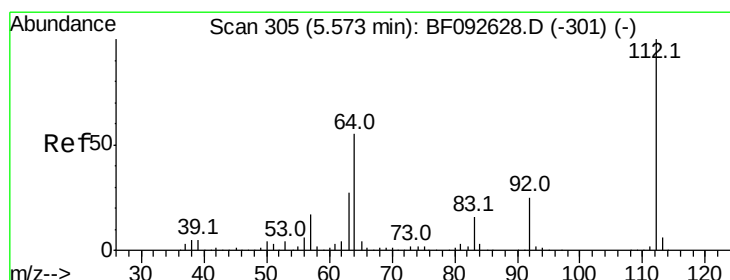
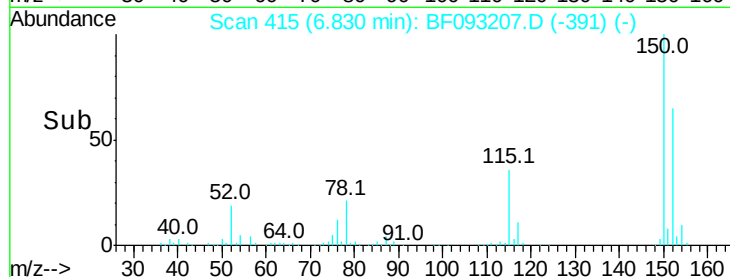
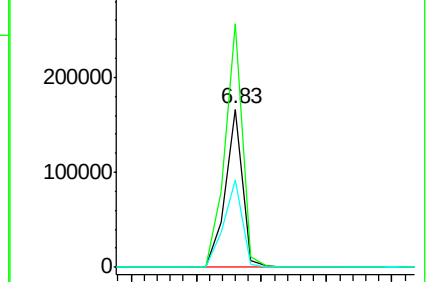
115 55.4 46.0 69.0



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: 14.52 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

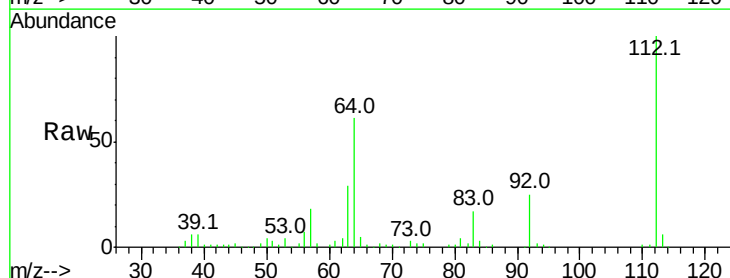
Tgt Ion:112 Resp: 129643

Ion Ratio Lower Upper

112 100

64 60.5 46.1 69.1

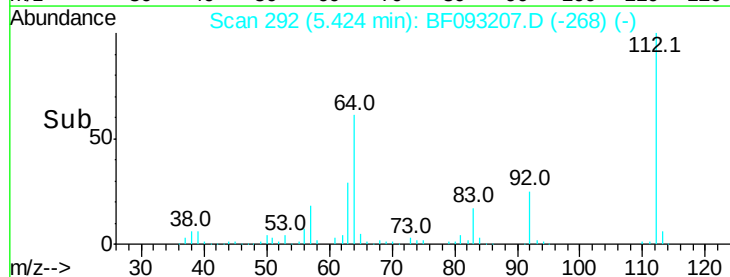
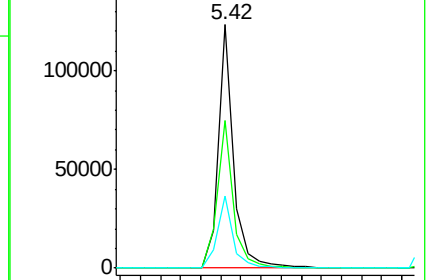
63 29.4 23.8 35.6

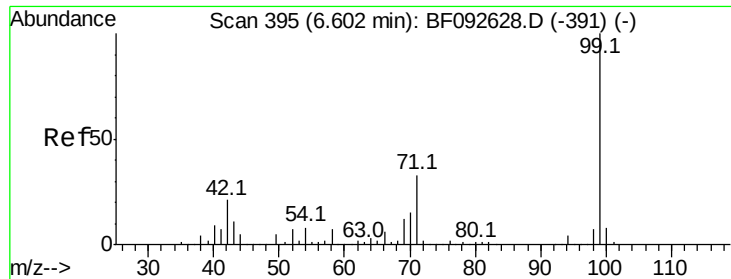


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 14.69 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

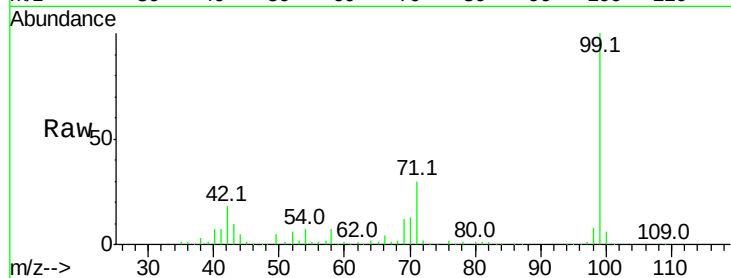
Tot Ion: 99 Resp: 168744

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

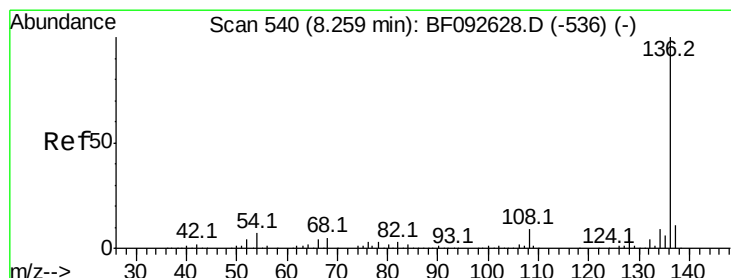
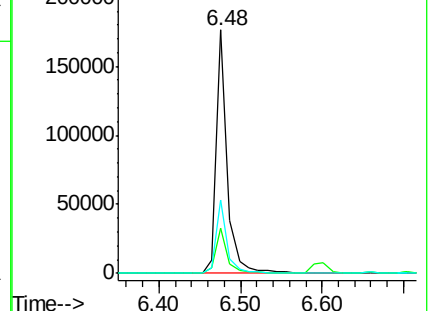
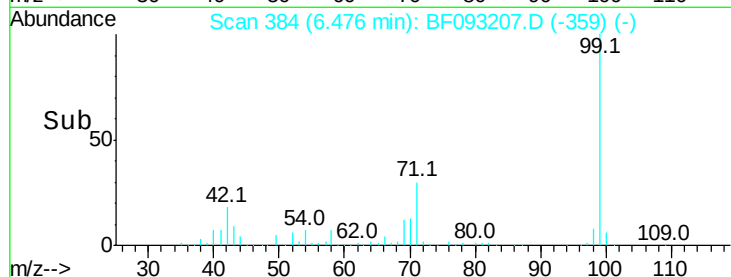
71 30.3 27.5 41.3



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: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Tgt Ion: 136 Resp: 543965

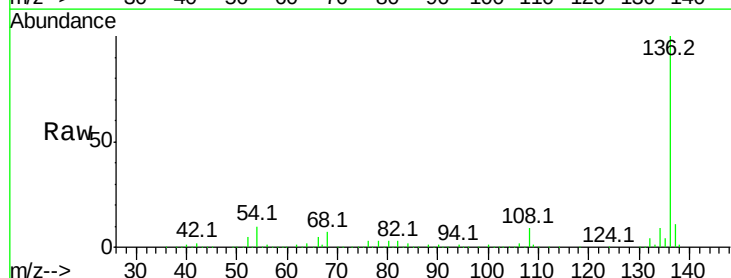
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 10.1 4.5 6.7#

68 7.1 3.6 5.4#

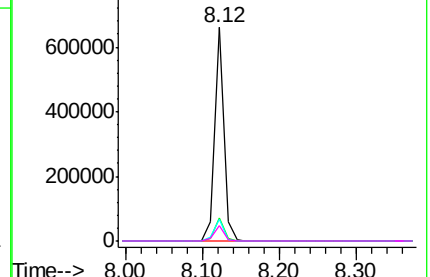
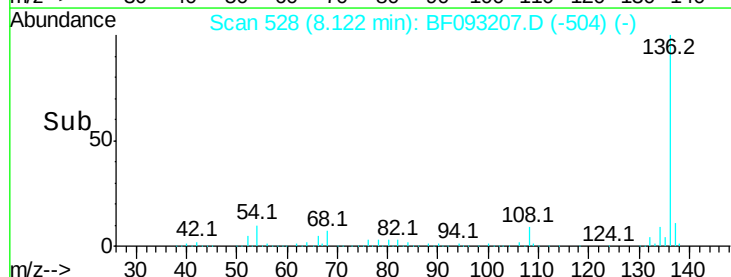


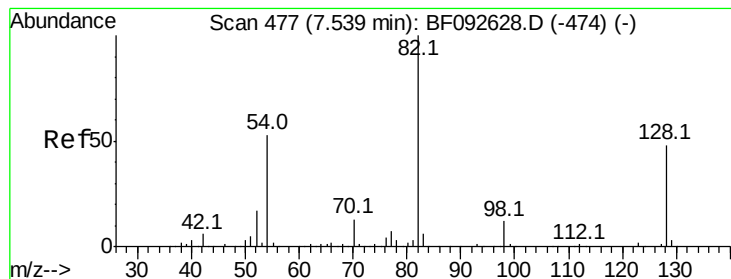
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.94 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

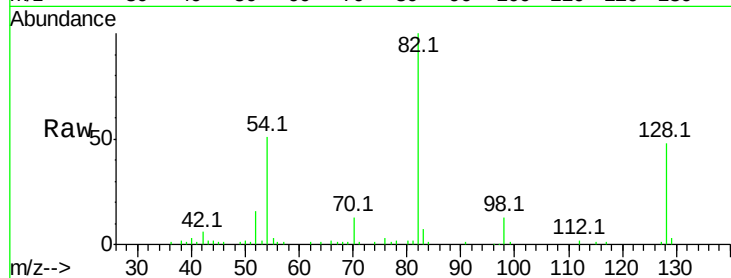
Tot Ion: 82 Resp: 87306

Ion Ratio Lower Upper

82 100

128 47.7 34.6 52.0

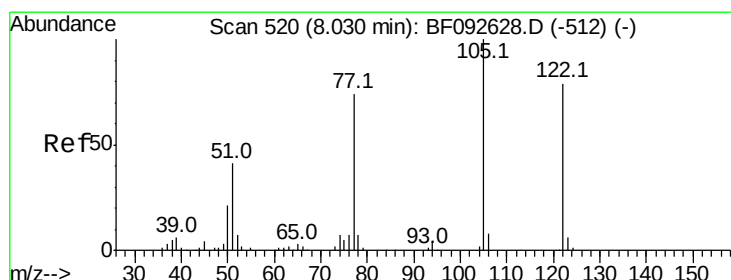
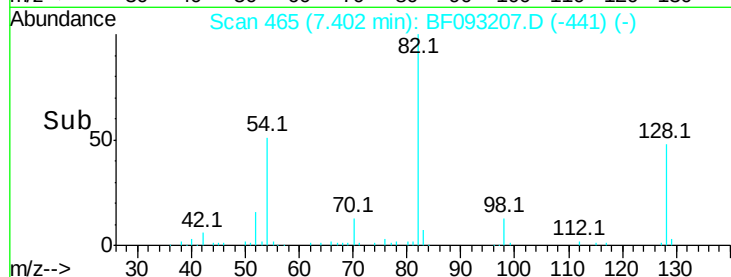
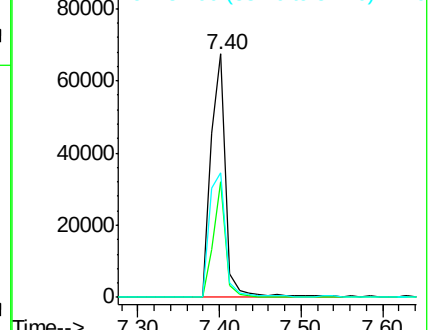
54 51.0 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#32

Benzoic acid

Concen: 7.29 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.05 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

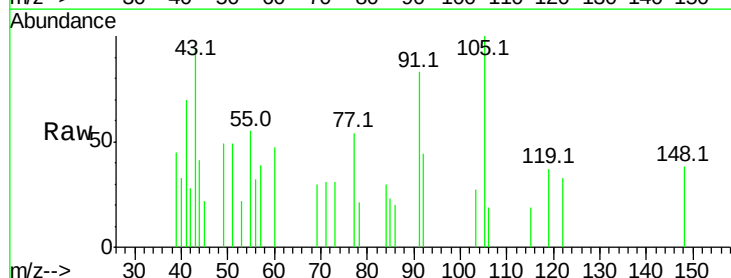
Tgt Ion:122 Resp: 665

Ion Ratio Lower Upper

122 100

105 299.8 107.2 147.2#

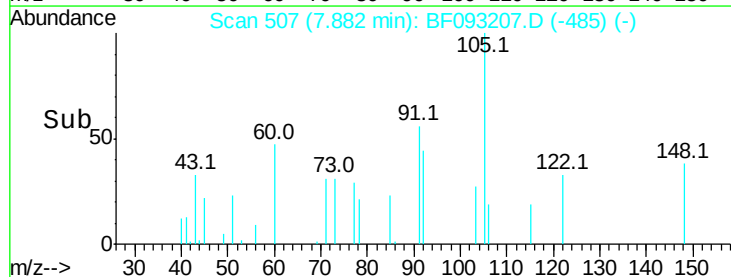
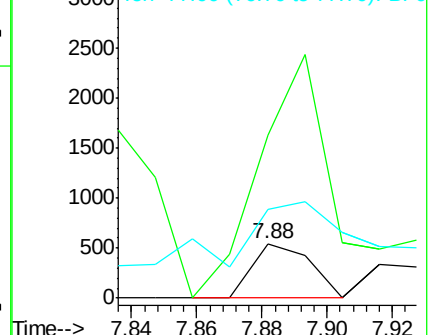
77 162.0 74.5 114.5#

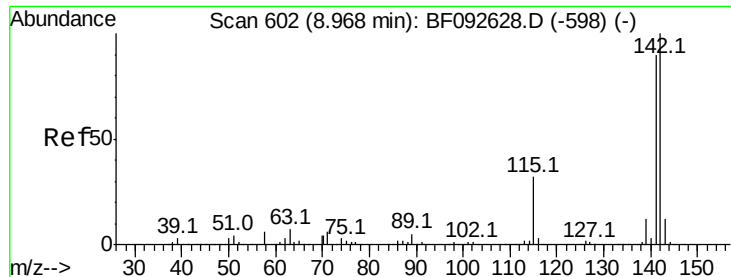


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

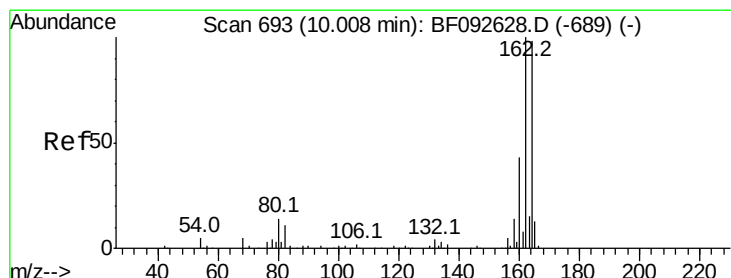
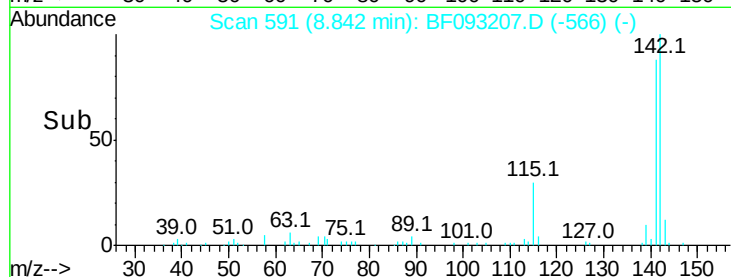
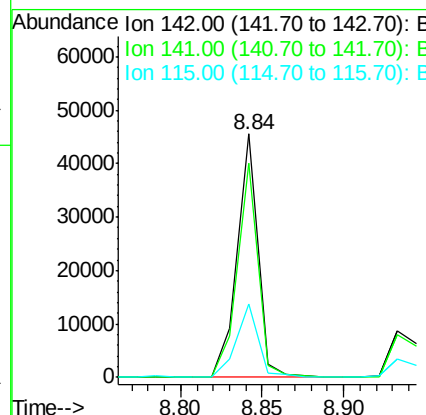
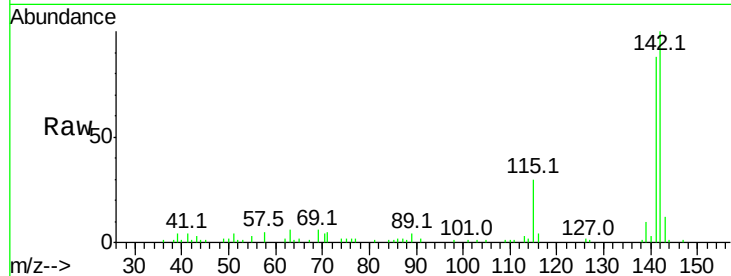




#37
 2-Methylnaphthalene
 Concen: 2.26 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

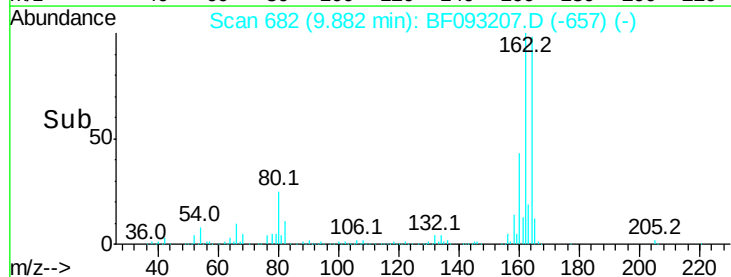
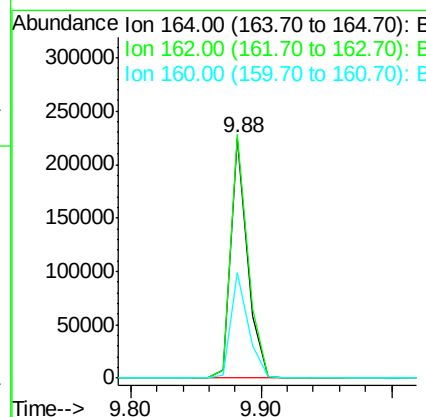
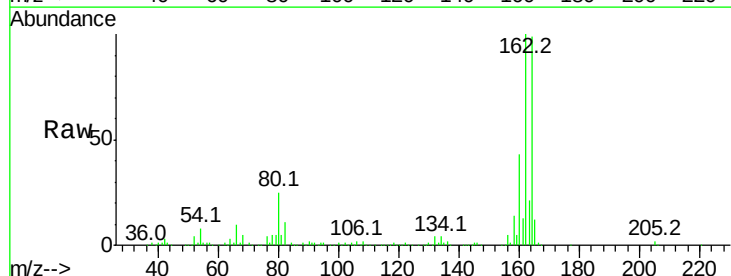
Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

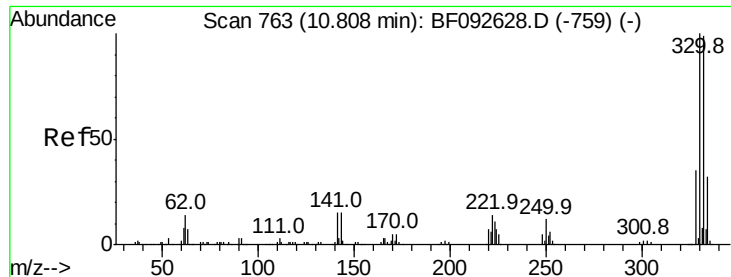
Tot Ion:142 Resp: 39932
 Ion Ratio Lower Upper
 142 100
 141 88.2 71.0 106.6
 115 29.9 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

Tgt Ion:164 Resp: 200499
 Ion Ratio Lower Upper
 164 100
 162 101.5 80.2 120.2
 160 44.1 36.9 55.3

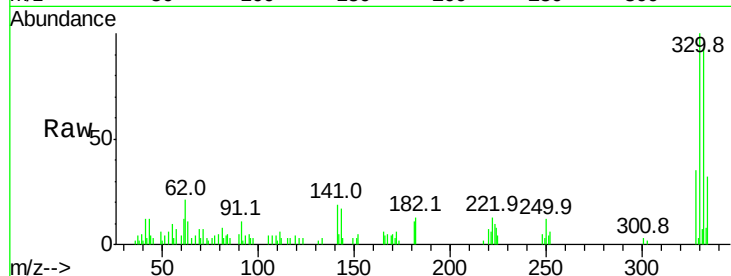




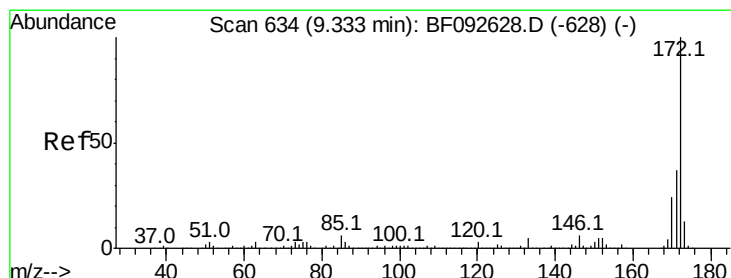
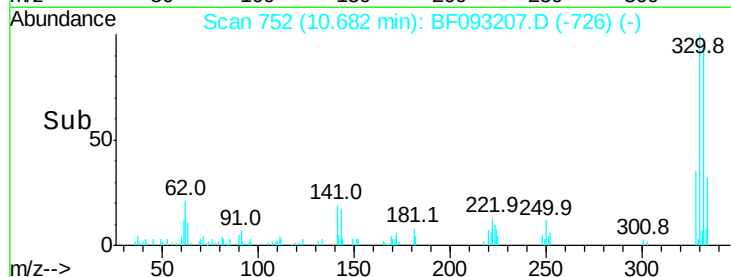
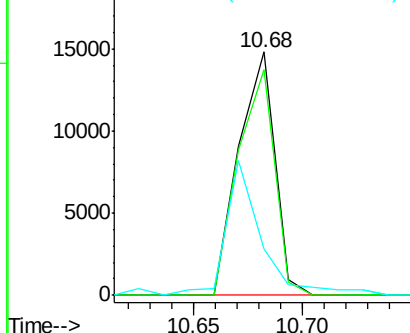
#41
 2,4,6-Tribromophenol
 Concen: 11.75 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

Tot Ion:330 Resp: 17044
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.4 116.2
 141 54.9 34.1 51.1#

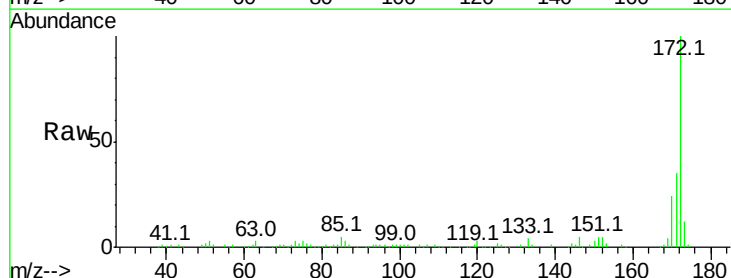


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

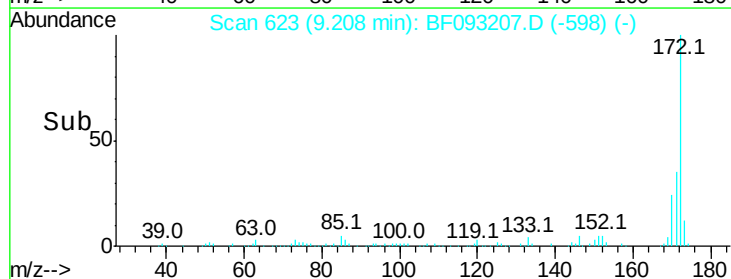
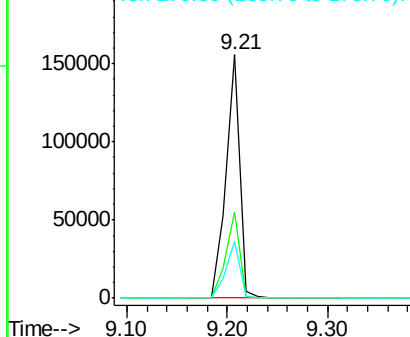


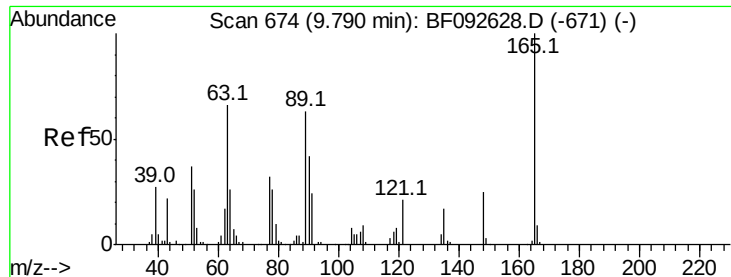
#44
 2-Fluorobiphenyl
 Concen: 13.41 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

Tgt Ion:172 Resp: 148389
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 23.5 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

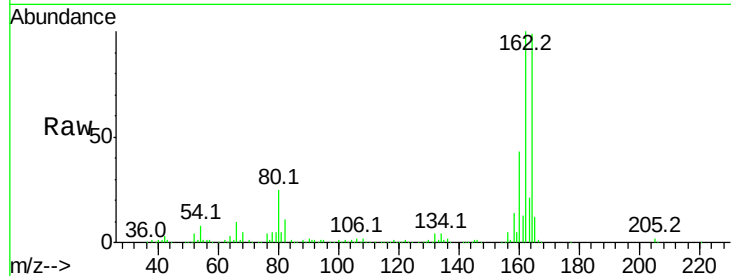




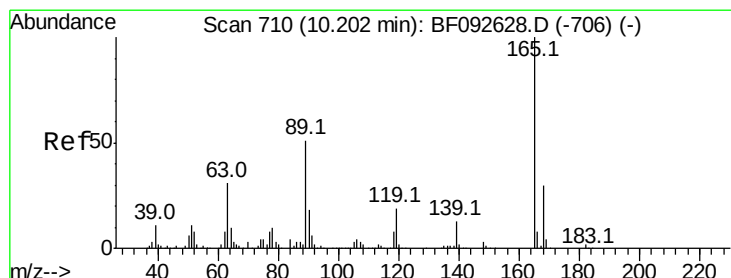
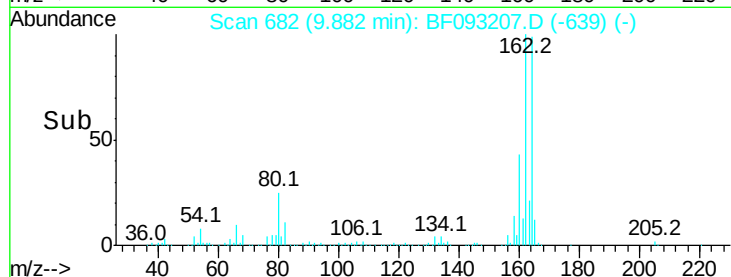
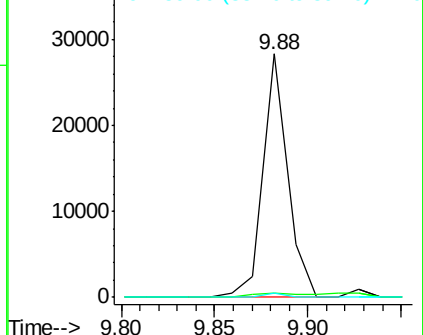
#50
2,6-Dinitrotoluene
Concen: 8.79 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.19 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

Tot Ion:165 Resp: 25642
Ion Ratio Lower Upper
165 100
63 1.9 36.2 54.4#
89 1.9 40.2 60.4#

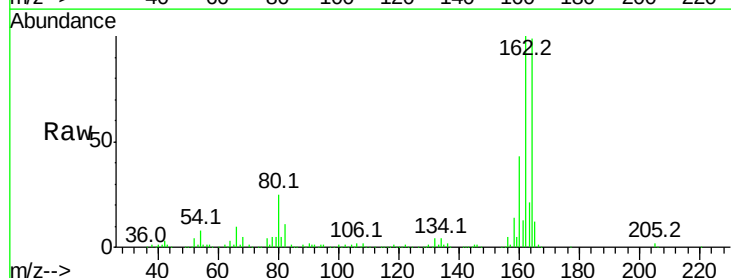


Abundance Ion 165.00 (164.70 to 165.70): E

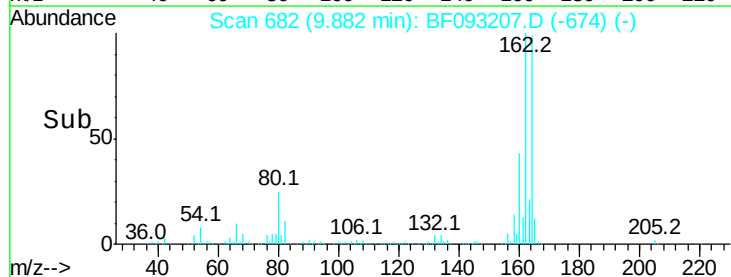
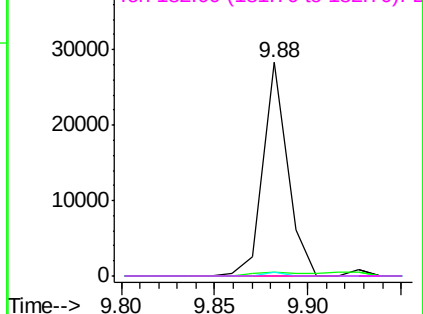


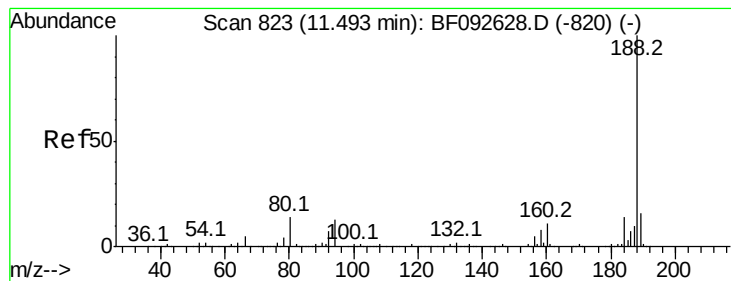
#56
2,4-Dinitrotoluene
Concen: 6.60 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.21 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Tgt Ion:165 Resp: 25642
Ion Ratio Lower Upper
165 100
63 1.9 40.2 60.4#
89 1.9 62.5 93.7#
182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

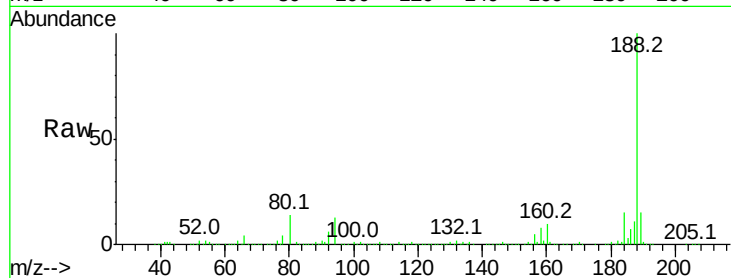
Tot Ion:188 Resp: 294287

Ion Ratio Lower Upper

188 100

94 12.7 10.0 15.0

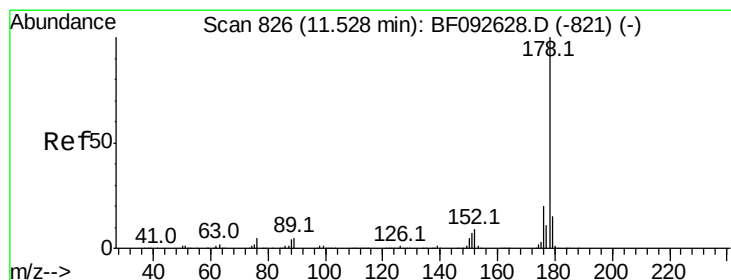
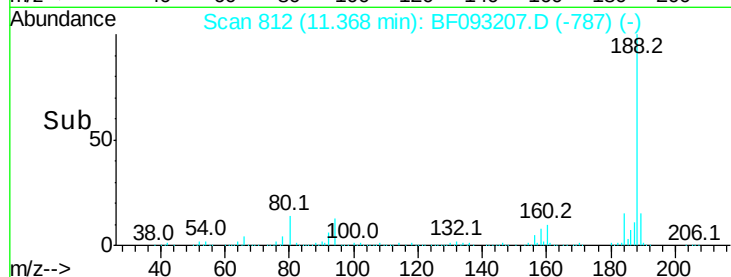
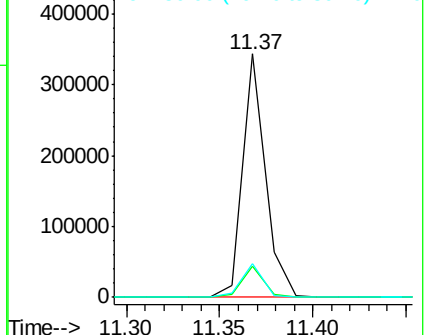
80 14.0 11.2 16.8



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: 3.51 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

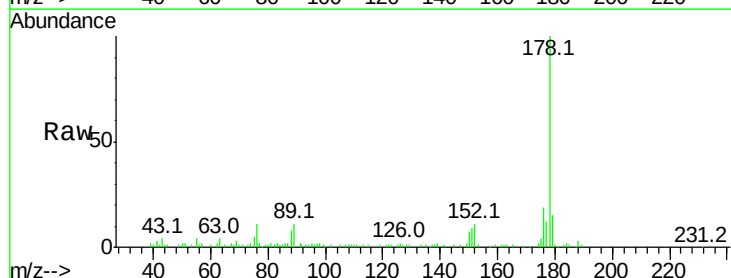
Tgt Ion:178 Resp: 59257

Ion Ratio Lower Upper

178 100

176 19.3 16.6 25.0

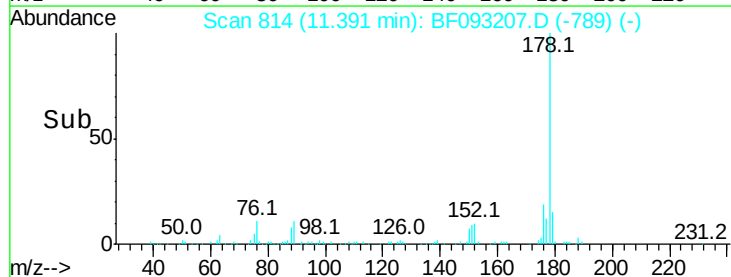
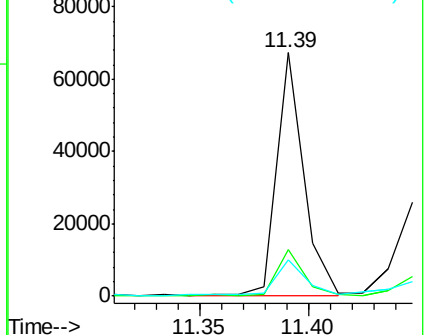
179 14.7 12.8 19.2

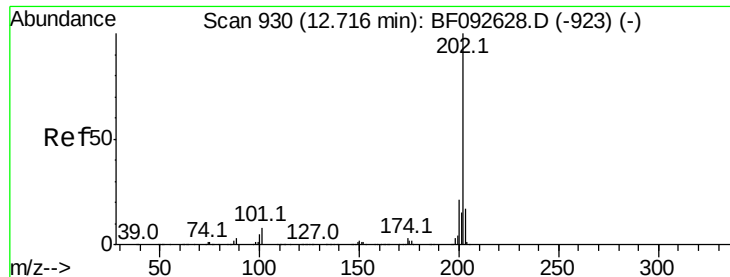


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.52 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

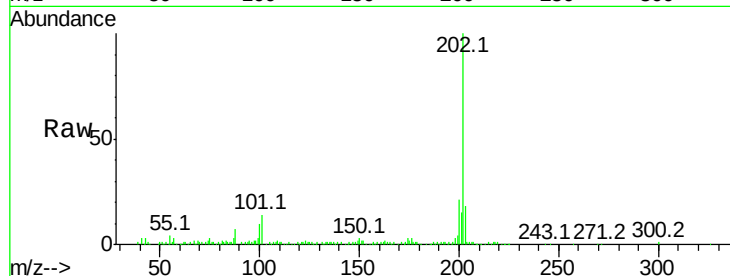
Tot Ion:202 Resp: 96034

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.6

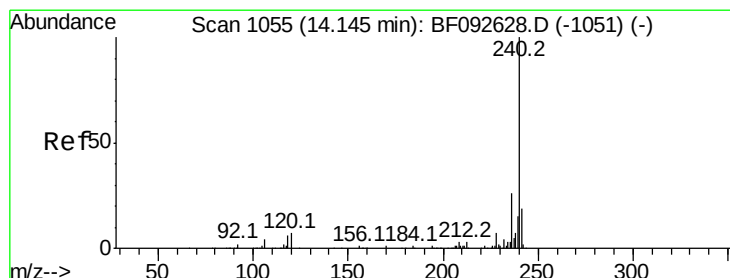
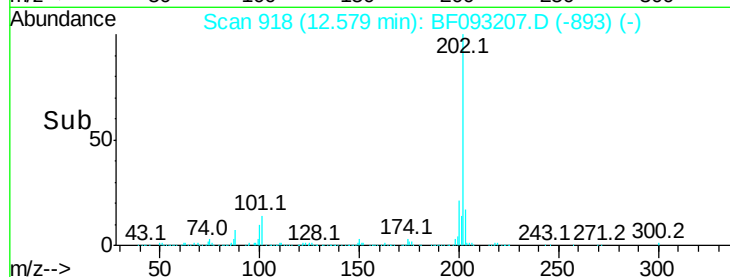
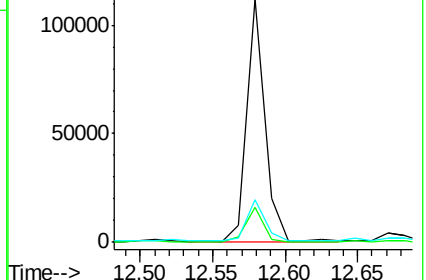
203 17.6 0.0 38.7



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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

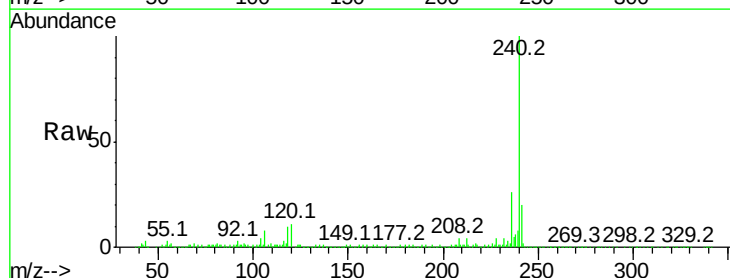
Tgt Ion:240 Resp: 347830

Ion Ratio Lower Upper

240 100

120 11.3 12.9 19.3#

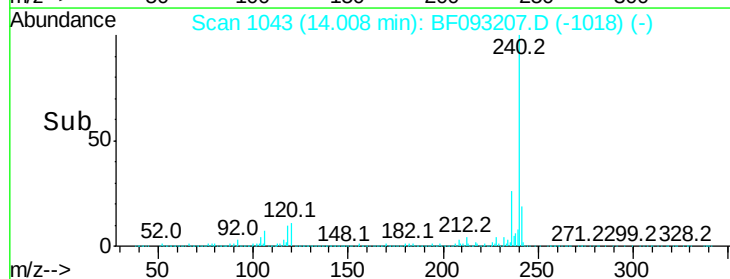
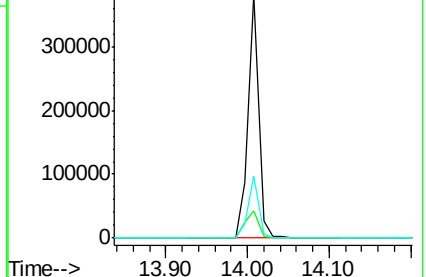
236 25.6 20.9 31.3

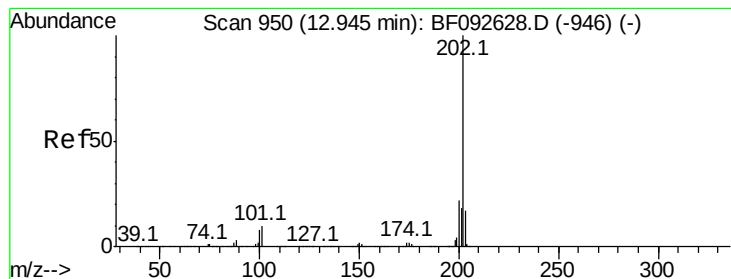


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.17 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

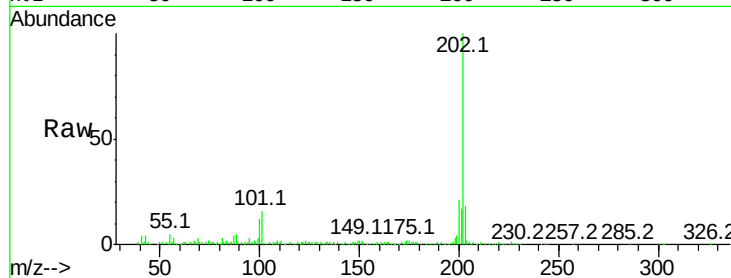
Tot Ion:202 Resp: 108492

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

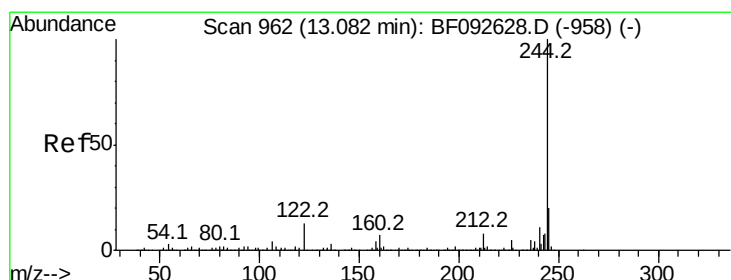
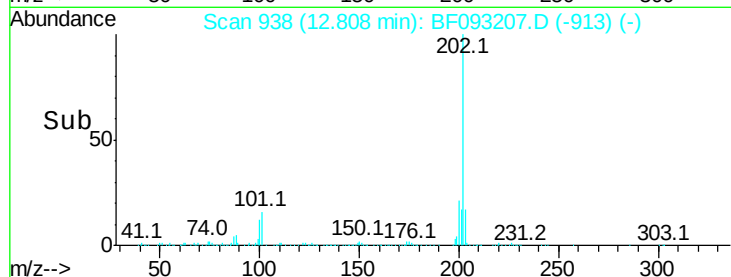
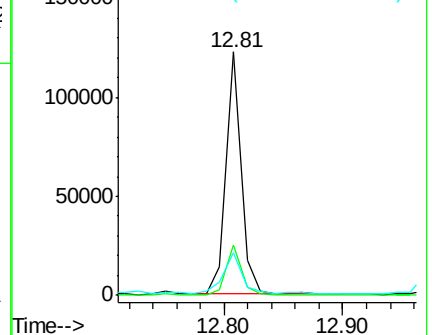
203 17.5 14.7 22.1



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: 7.27 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

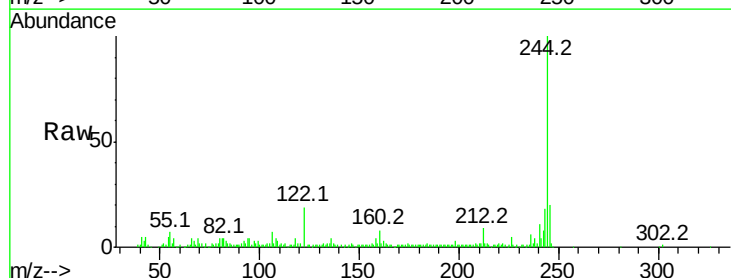
Tgt Ion:244 Resp: 107682

Ion Ratio Lower Upper

244 100

212 8.7 6.2 9.2

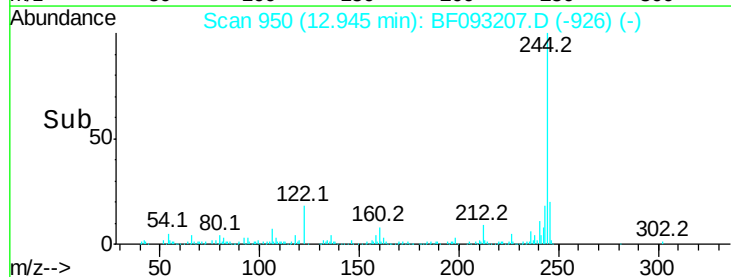
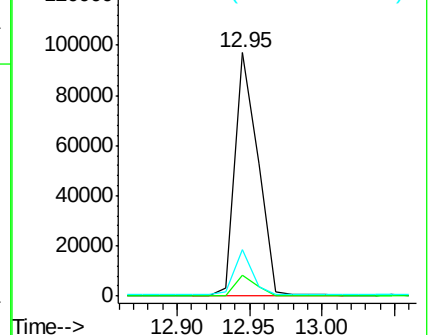
122 19.2 11.4 17.2

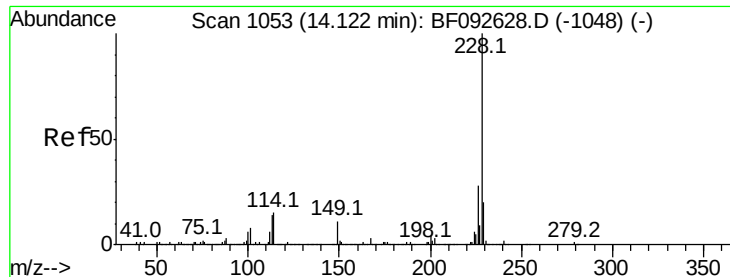


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

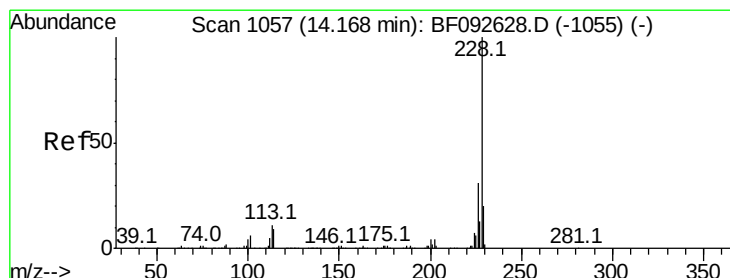
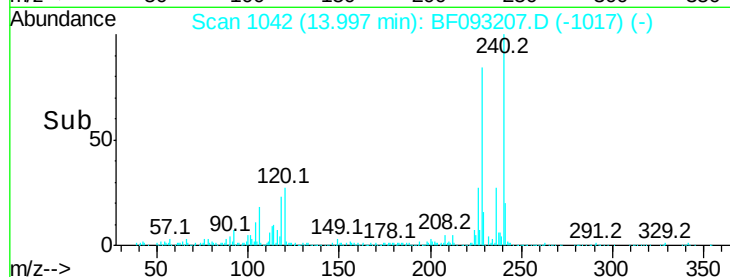
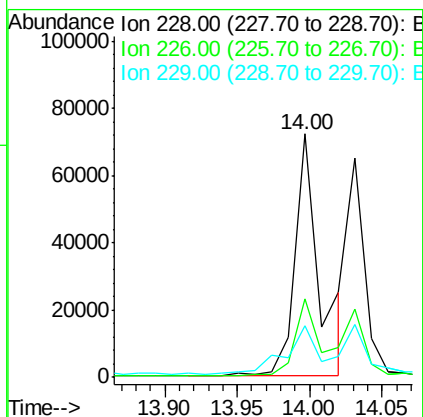
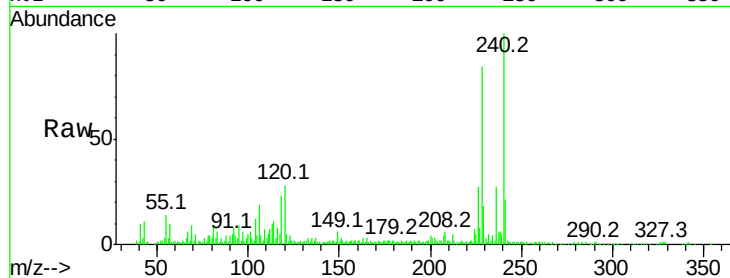




#80
Benzo(a)anthracene
Concen: 4.04 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

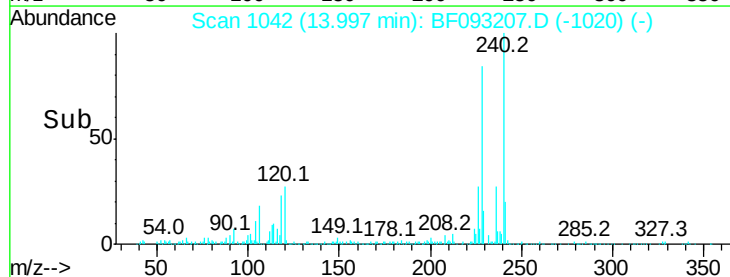
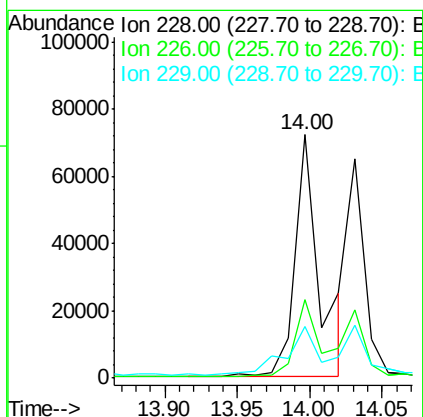
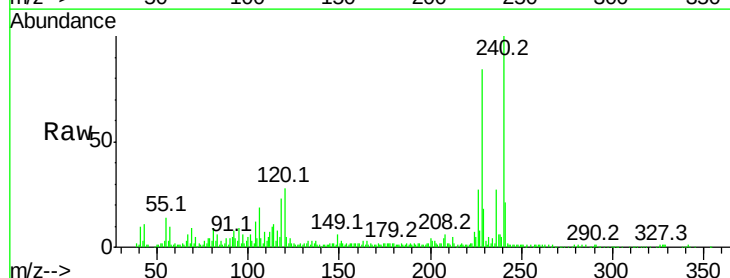
Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

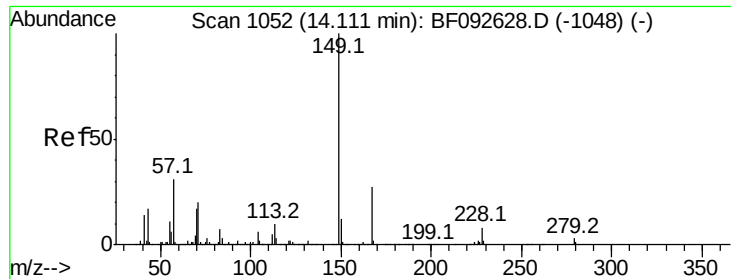
Tot Ion:228 Resp: 85903
Ion Ratio Lower Upper
228 100
226 32.4 22.4 33.6
229 21.1 16.2 24.4



#82
Chrysene
Concen: 4.31 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Tgt Ion:228 Resp: 85903
Ion Ratio Lower Upper
228 100
226 32.4 25.4 38.0
229 21.1 16.2 24.2

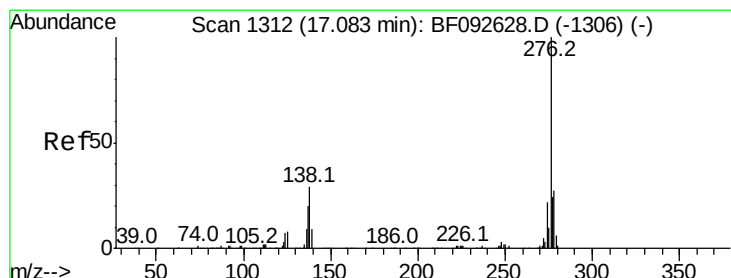
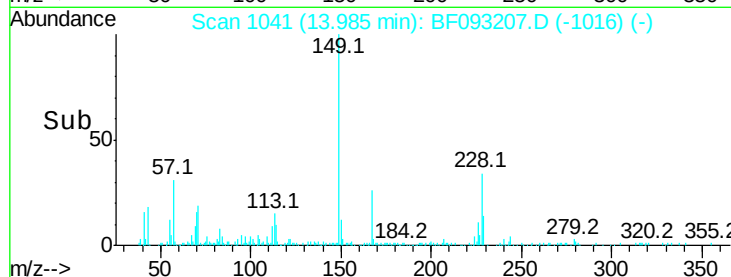
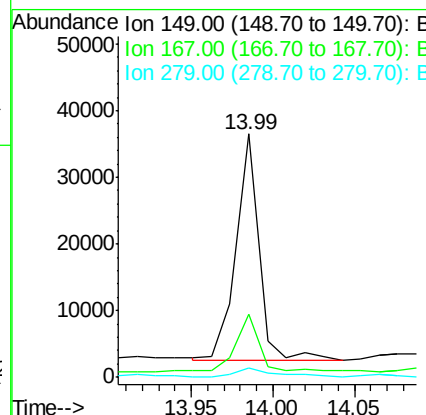
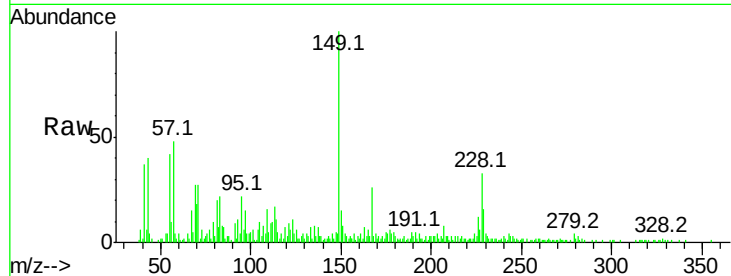




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.29 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

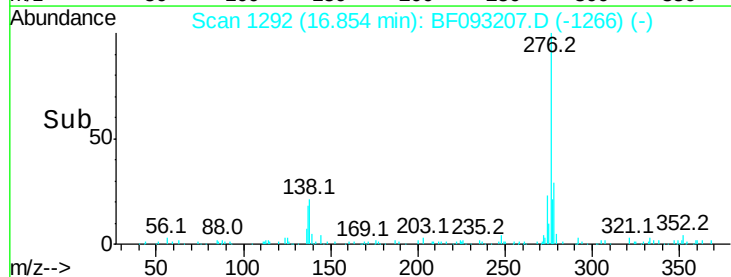
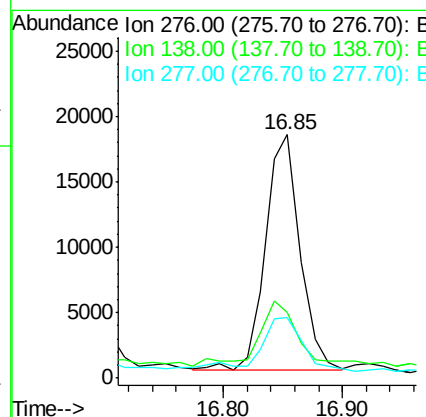
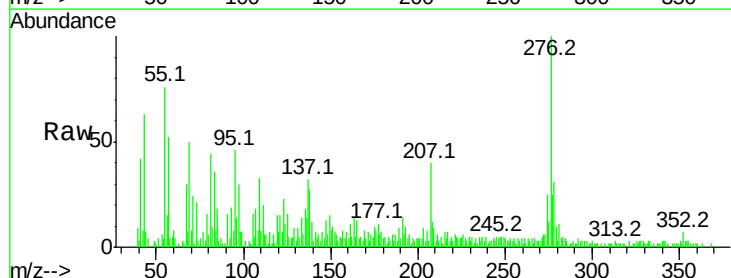
Instrument :
 BNA_F
 ClientSampleId :
 E2-HH5-SW-1

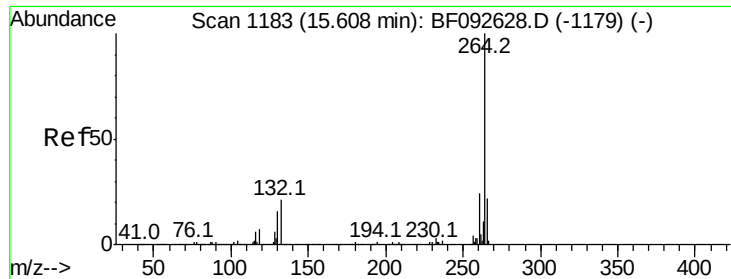
Tot Ion:149 Resp: 33120
 Ion Ratio Lower Upper
 149 100
 167 25.7 20.2 30.4
 279 3.8 1.8 2.8#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.36 ng
 RT: 16.85 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BF093207.D
 Acq: 27 Feb 2017 14:26

Tgt Ion:276 Resp: 36407
 Ion Ratio Lower Upper
 276 100
 138 33.6 21.8 32.6#
 277 29.5 20.2 30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

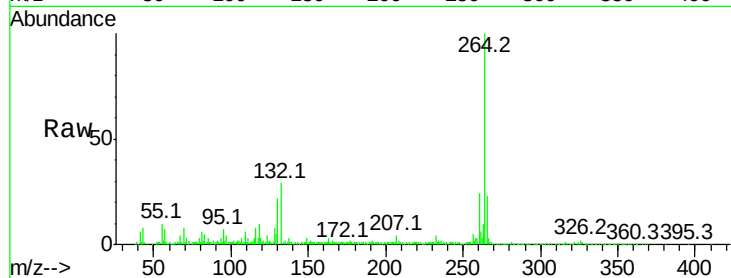
BNA_F

ClientSampleId :

E2-HH5-SW-1

Tot Ion:264 Resp: 288089

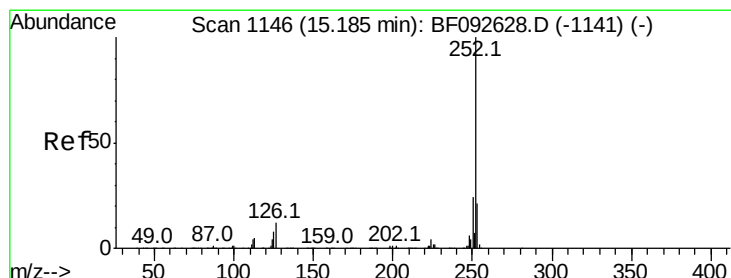
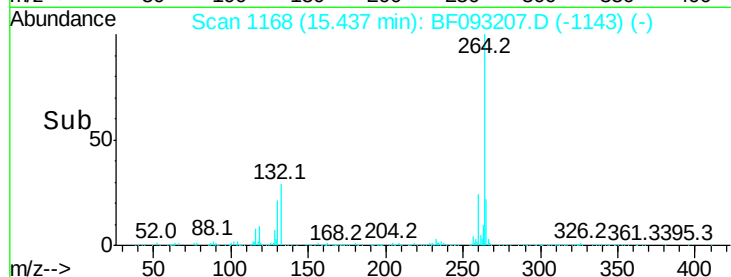
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.7	17.4	26.0



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



#87

Benzo(b)fluoranthene

Concen: 7.80 ng

RT: 15.03 min Scan# 1132

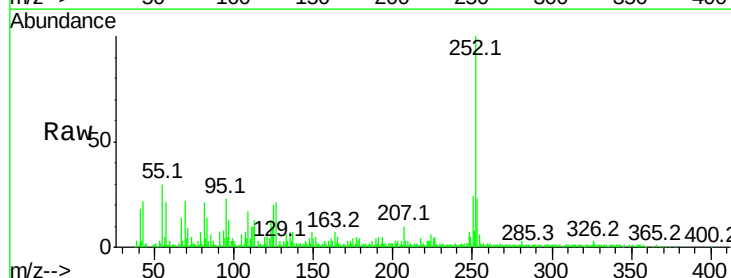
Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Tgt Ion:252 Resp: 147933

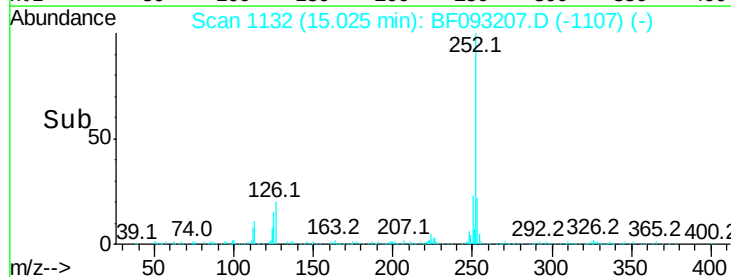
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	20.0	9.8	14.6

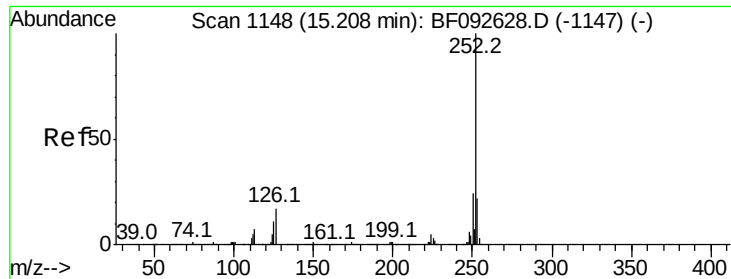


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

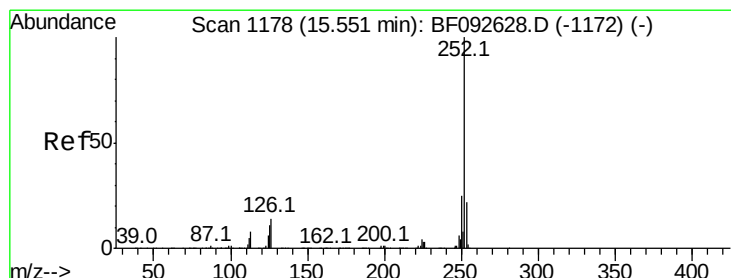
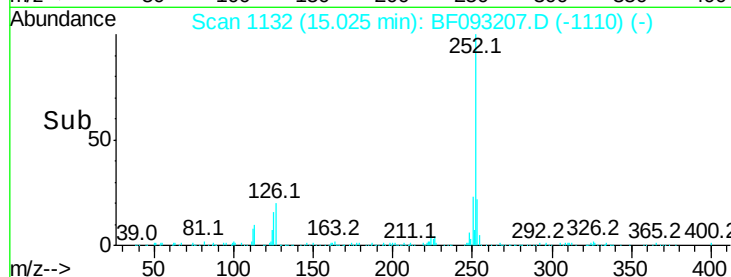
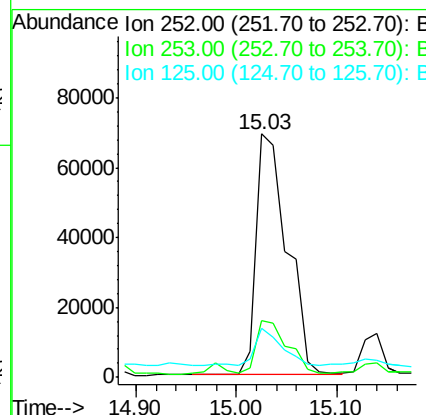
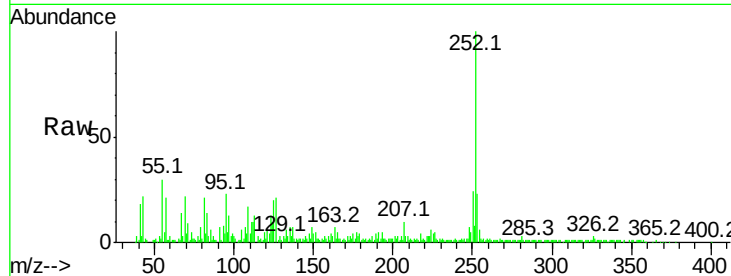




#88
Benzo(k)fluoranthene
Concen: 9.04 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

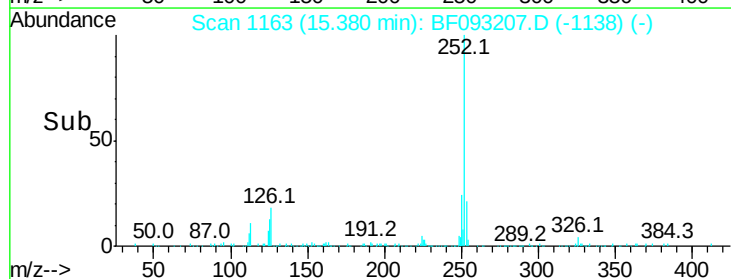
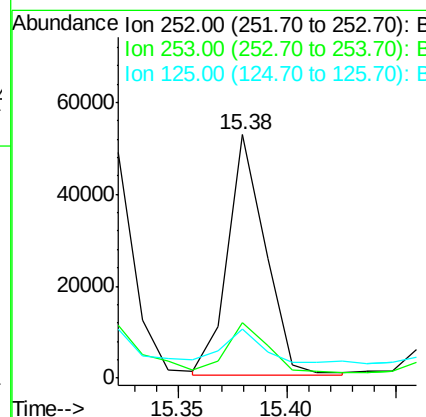
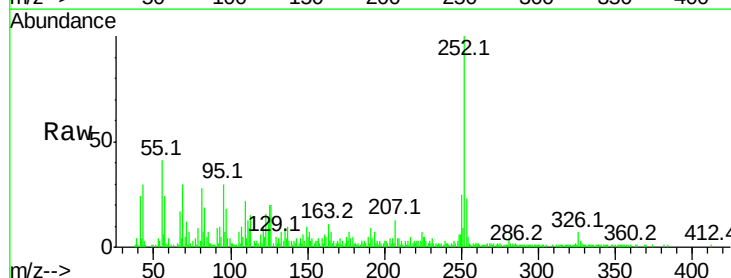
Instrument :
BNA_F
ClientSampleId :
E2-HH5-SW-1

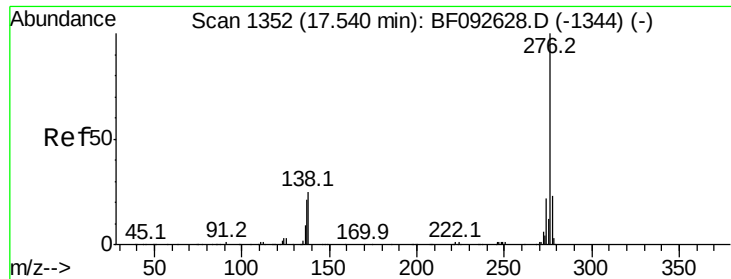
Tot Ion:252 Resp: 147933
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 20.0 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.81 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093207.D
Acq: 27 Feb 2017 14:26

Tgt Ion:252 Resp: 62455
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 20.0 10.0 15.0#





#91

Benzo(a,h,i)perylene

Concen: 3.15 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF093207.D

Acq: 27 Feb 2017 14:26

Instrument :

BNA_F

ClientSampleId :

E2-HH5-SW-1

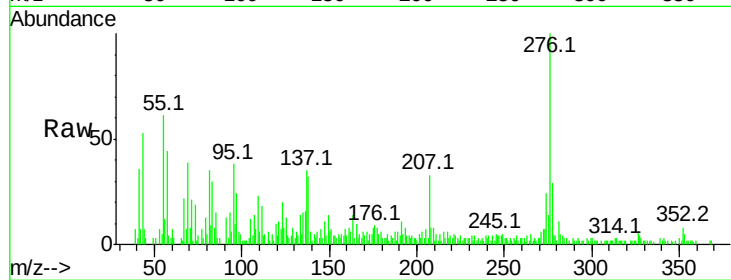
Tot Ion:276 Resp: 42228

Ion Ratio Lower Upper

276 100

277 28.8 19.2 28.8

138 32.2 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

