

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093689.D
 Acq On : 16 Mar 2017 1:00
 Operator : SJ/MA
 Sample : I2264-18 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-X6-BASE

Quant Time: Mar 16 03:40:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

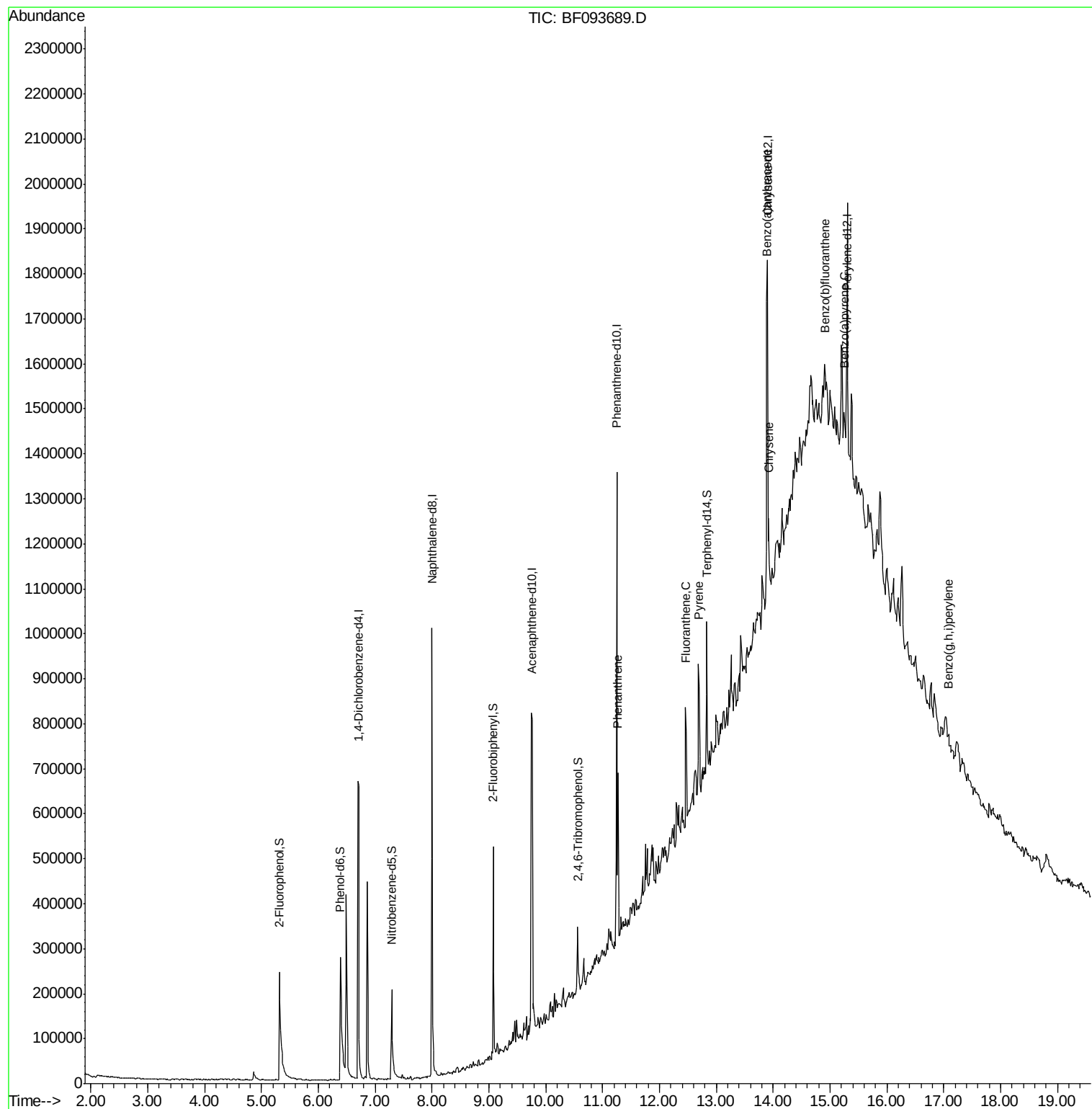
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	157101	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	543396	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	209819	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	369618	20.00	ng	0.00
75) Chrysene-d12	13.90	240	372727	20.00	ng	0.01
86) Perylene-d12	15.31	264	273354	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	164211	17.40	ng	0.00
7) Phenol-d6	6.39	99	206864	17.38	ng	0.01
23) Nitrobenzene-d5	7.29	82	124635	12.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	19120	13.99	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	157755	13.98	ng	-0.01
78) Terphenyl-d14	12.84	244	119675	8.35	ng	0.01
Target Compounds						Qvalue
70) Phenanthrene	11.27	178	134973	6.40	ng	99
74) Fluoranthene	12.46	202	146397	7.18	ng	95
77) Pyrene	12.69	202	153385	5.66	ng	96
80) Benzo(a)anthracene	13.89	228	74287	3.37	ng	# 90
82) Chrysene	13.92	228	77957	3.83	ng	# 93
87) Benzo(b)fluoranthene	14.92	252	84515m	5.08	ng	
89) Benzo(a)pyrene	15.25	252	50303	3.31	ng	# 69
91) Benzo(g,h,i)perylene	17.09	276	29188	2.26	ng	# 74

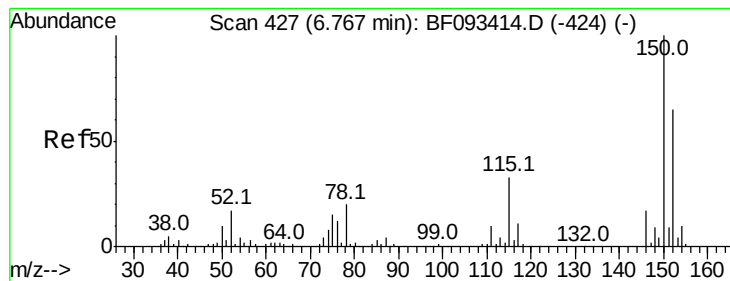
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Instrument :

BNA_F

ClientSampleId :

E2-X6-BASE

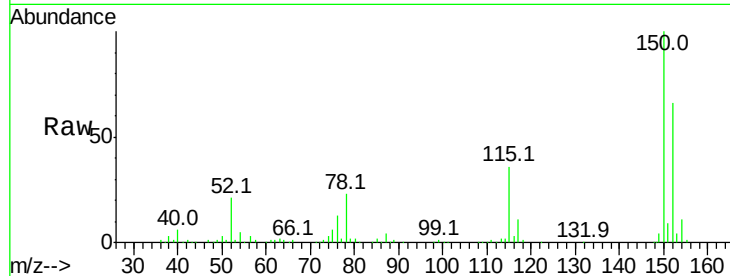
Tot Ion:152 Resp: 157101

Ion Ratio Lower Upper

152 100

150 151.8 124.9 187.3

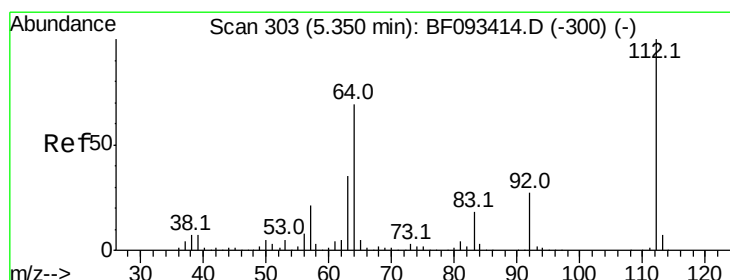
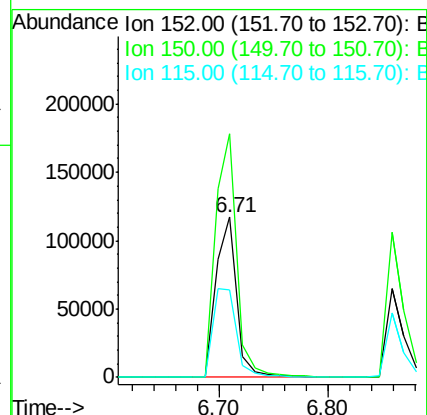
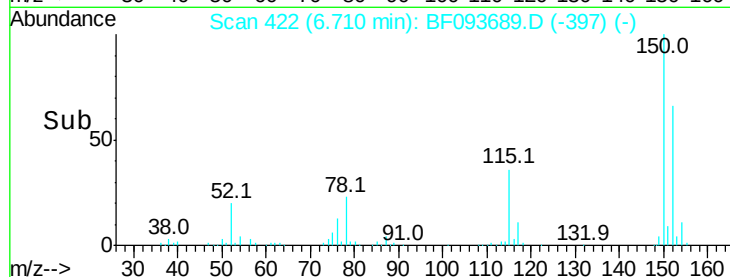
115 54.7 46.0 69.0



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: 17.40 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

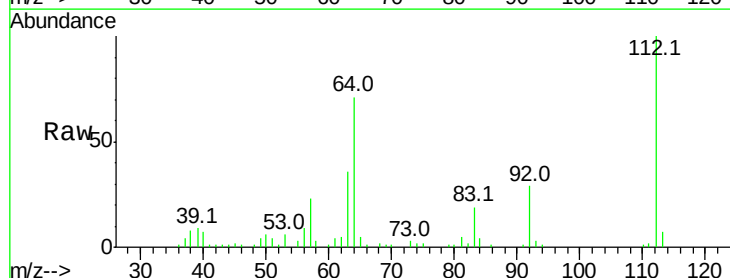
Tgt Ion:112 Resp: 164211

Ion Ratio Lower Upper

112 100

64 71.1 46.1 69.1#

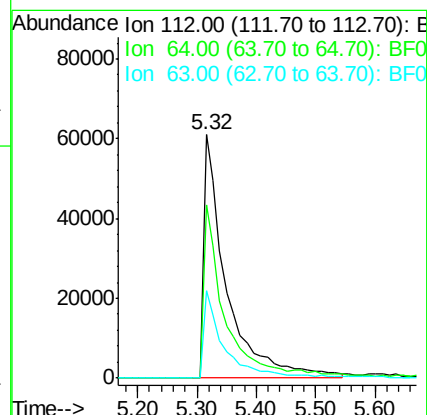
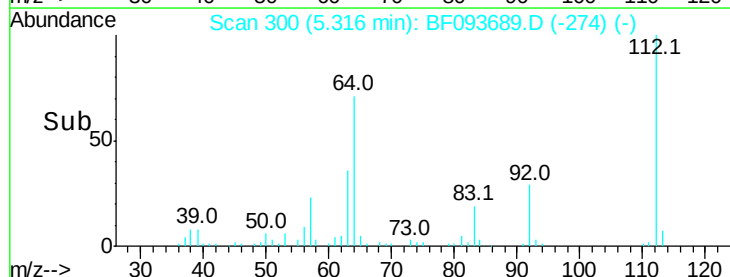
63 36.1 23.8 35.6#

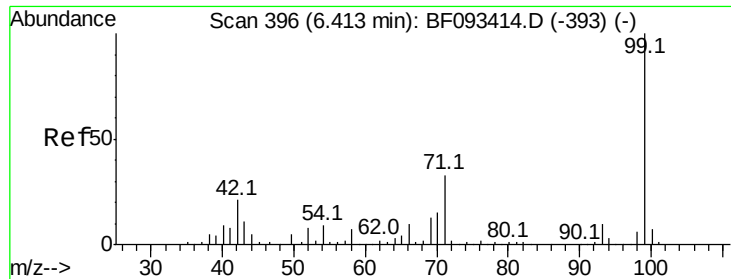


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.38 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Instrument :

BNA_F

ClientSampleId :

E2-X6-BASE

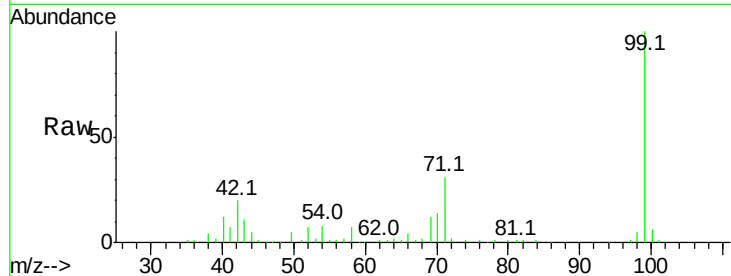
Tot Ion: 99 Resp: 206864

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

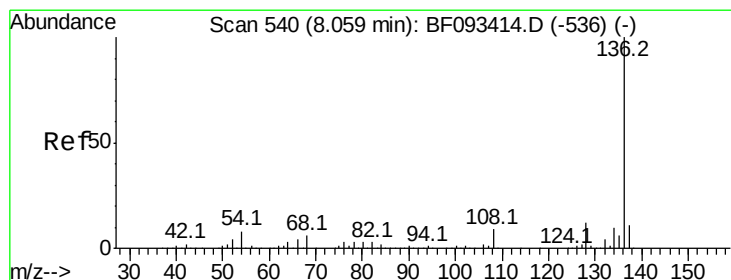
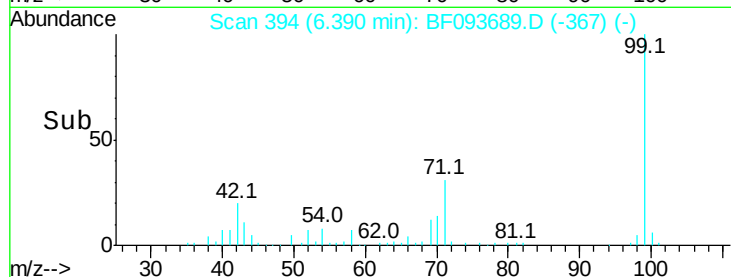
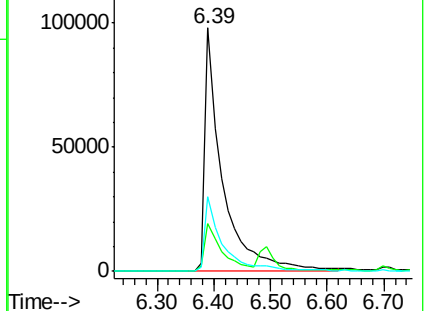
71 30.8 27.5 41.3



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: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Tgt Ion: 136 Resp: 543396

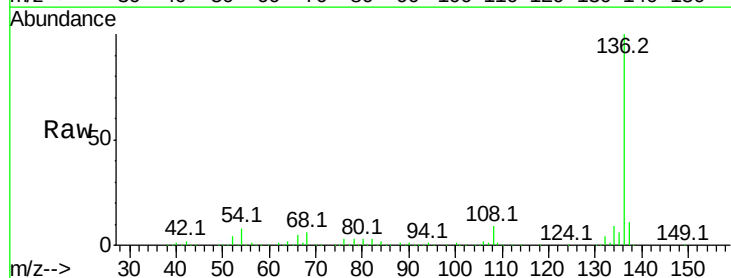
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.3 4.5 6.7#

68 6.2 3.6 5.4#

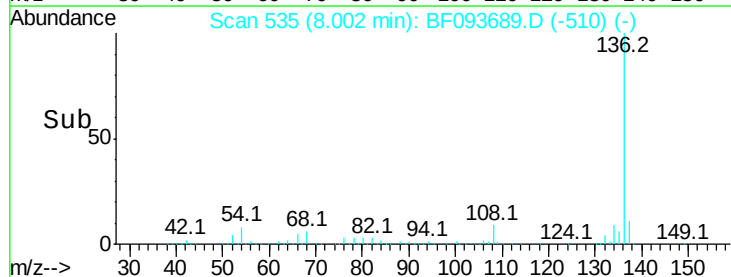
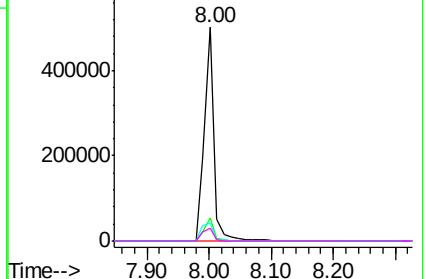


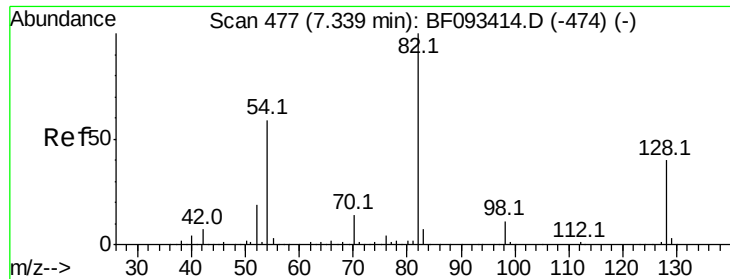
Abundance Ion 136.00 (135.70 to 136.70): E

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

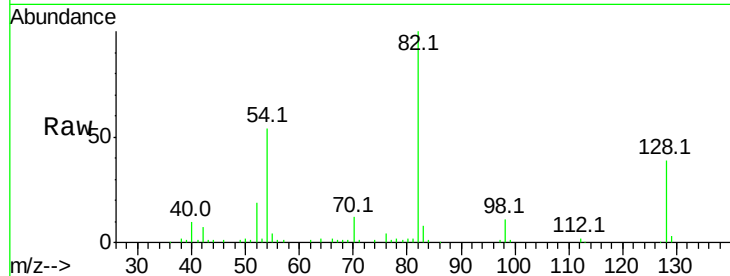




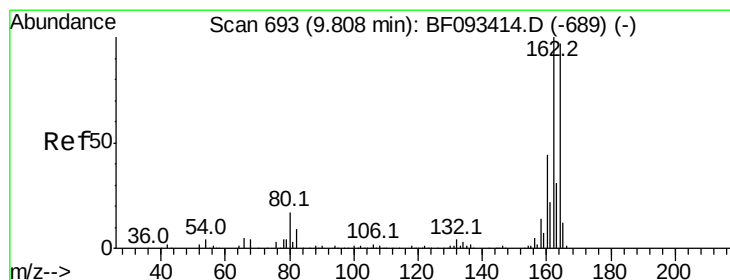
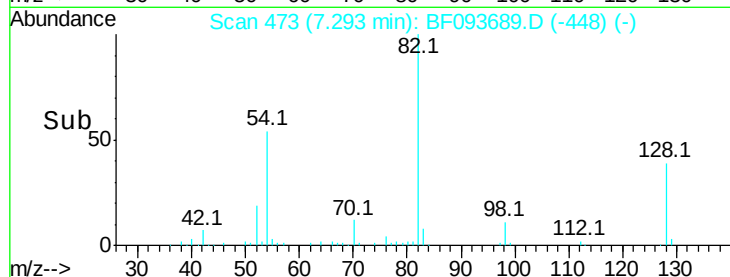
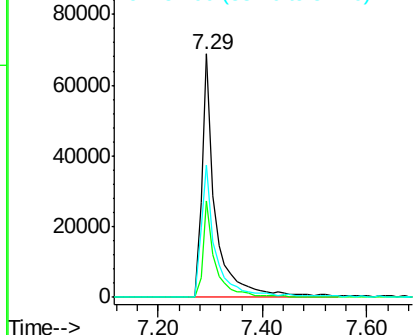
#23
Nitrobenzene-d5
Concen: 12.73 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

Tot Ion	82	Resp	124635
Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.6	52.0
54	54.1	39.5	59.3

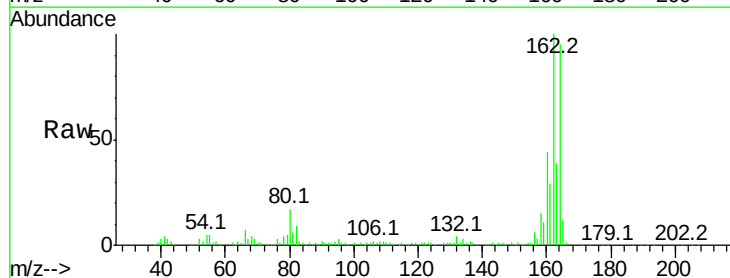


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

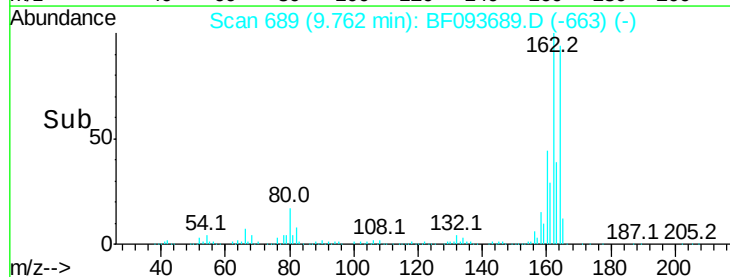
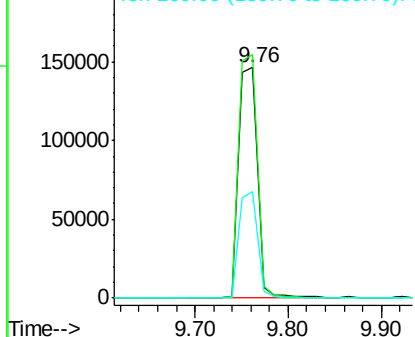


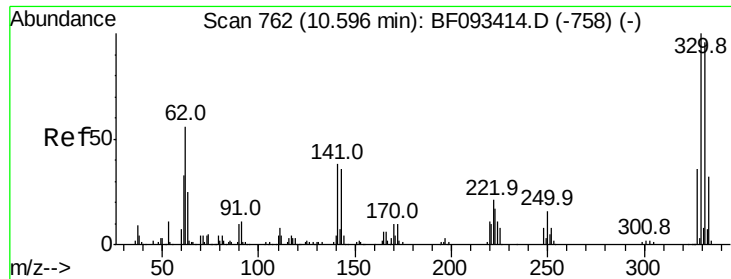
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Tgt Ion	164	Resp	209819
Ion	Ratio	Lower	Upper
164	100		
162	105.7	80.2	120.2
160	46.5	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

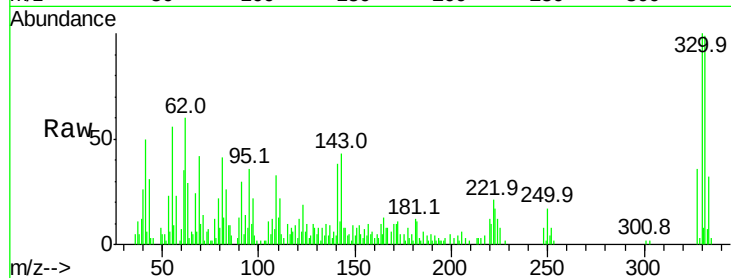




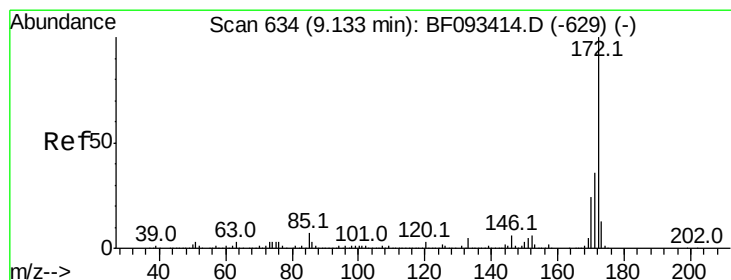
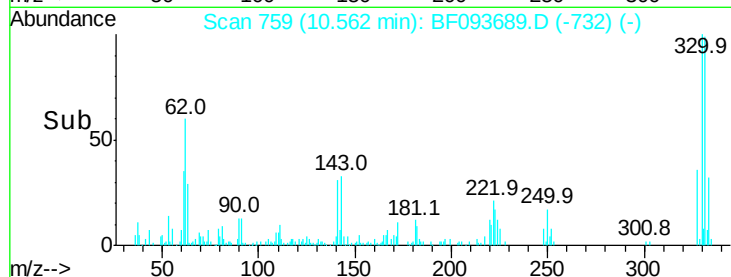
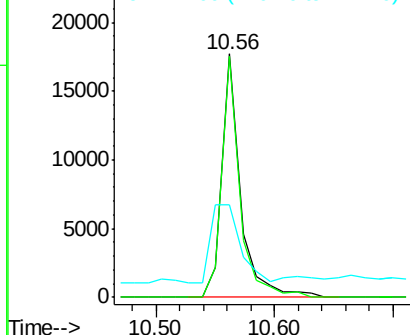
#41
 2,4,6-Tribromophenol
 Concen: 13.99 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093689.D
 Acq: 16 Mar 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-X6-BASE

Tot Ion:330 Resp: 19120
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.4 116.2
 141 49.5 34.1 51.1

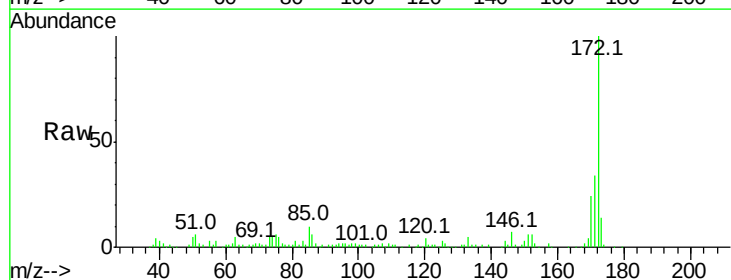


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

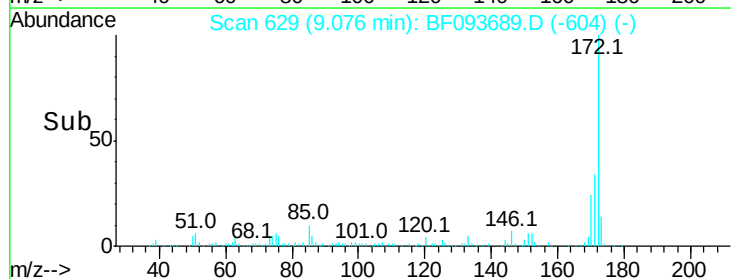
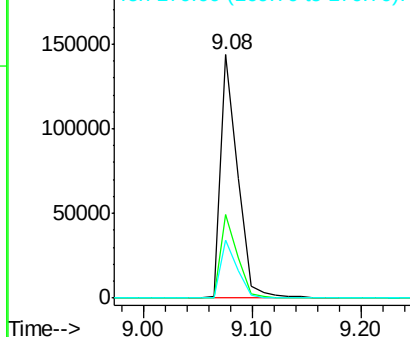


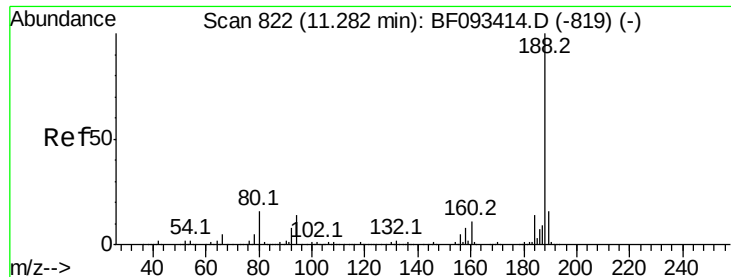
#44
 2-Fluorobiphenyl
 Concen: 13.98 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093689.D
 Acq: 16 Mar 2017 1:00

Tgt Ion:172 Resp: 157755
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.4 44.0
 170 23.9 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

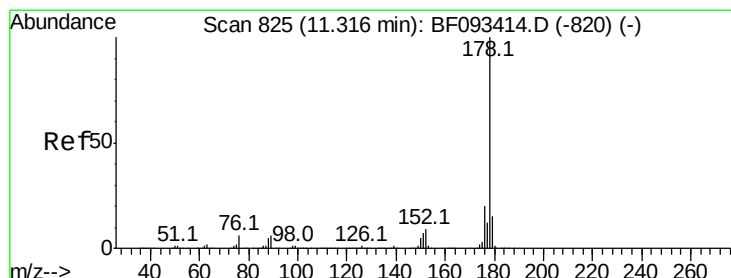
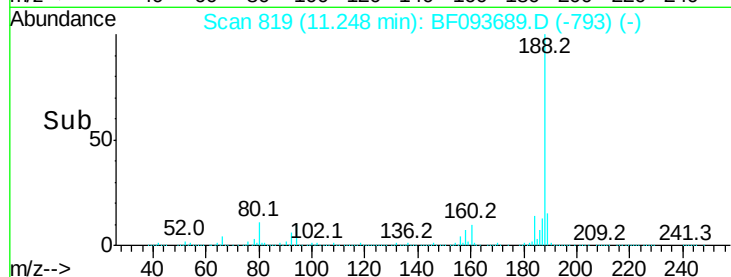
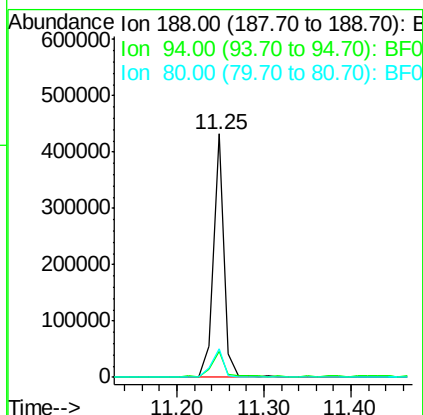
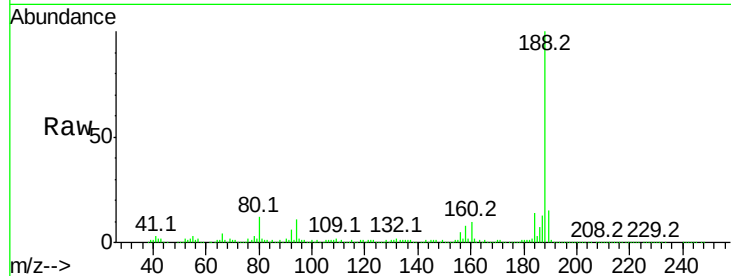




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

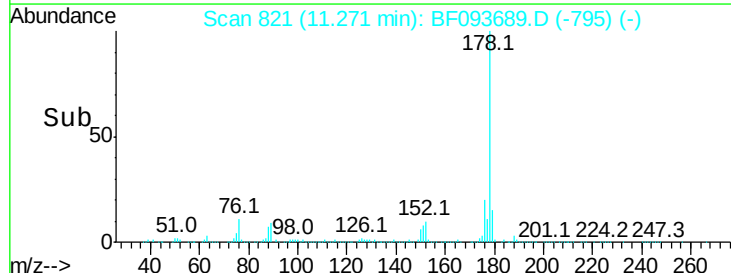
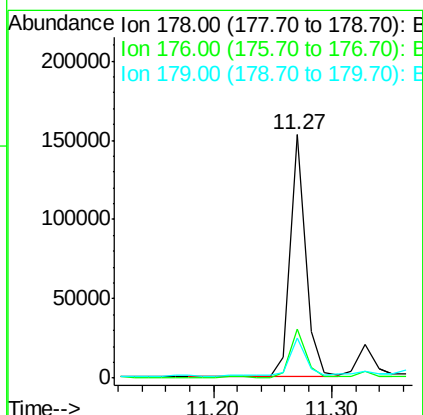
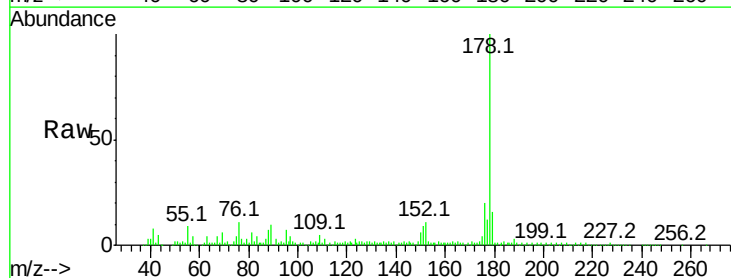
Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

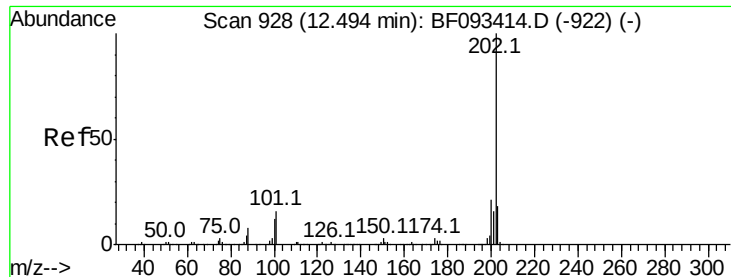
Tot Ion:188 Resp: 369618
Ion Ratio Lower Upper
188 100
94 10.6 10.0 15.0
80 11.5 11.2 16.8



#70
Phenanthrene
Concen: 6.40 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Tgt Ion:178 Resp: 134973
Ion Ratio Lower Upper
178 100
176 20.2 16.6 25.0
179 16.2 12.8 19.2

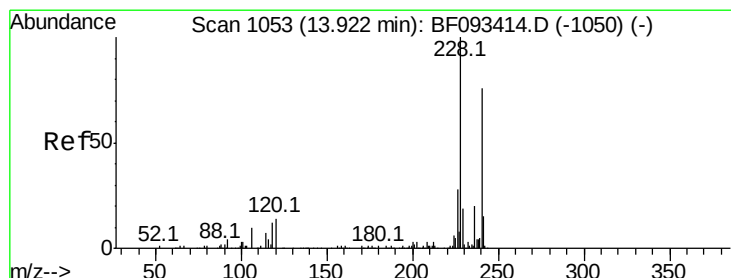
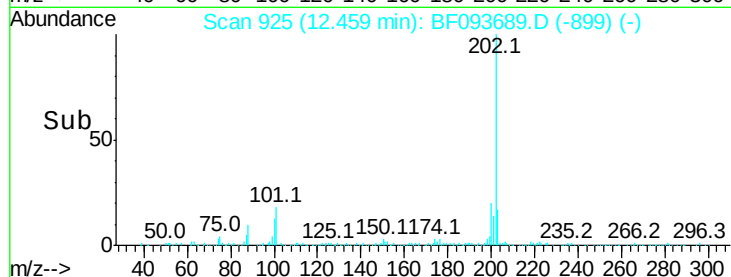
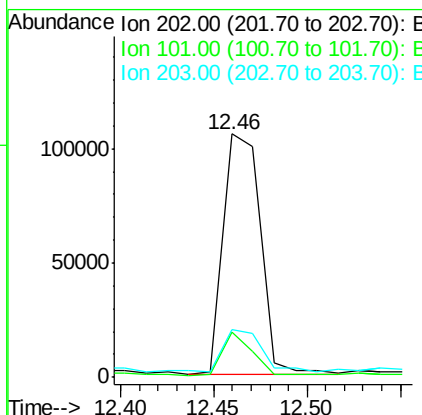
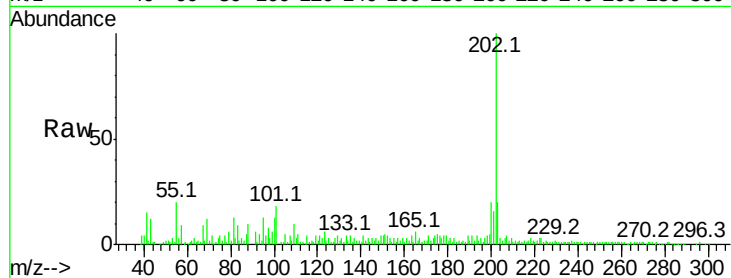




#74
Fluoranthene
Concen: 7.18 ng
RT: 12.46 min Scan# 925
Delta R.T. 0.00 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

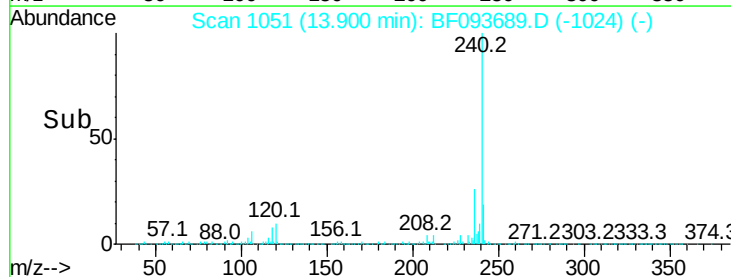
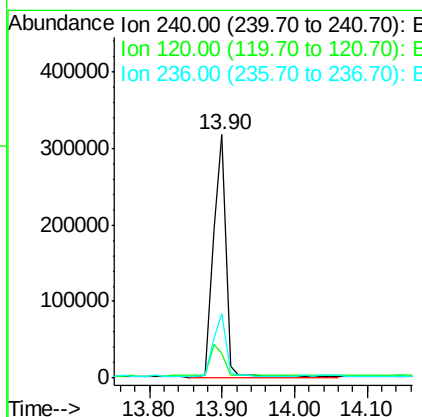
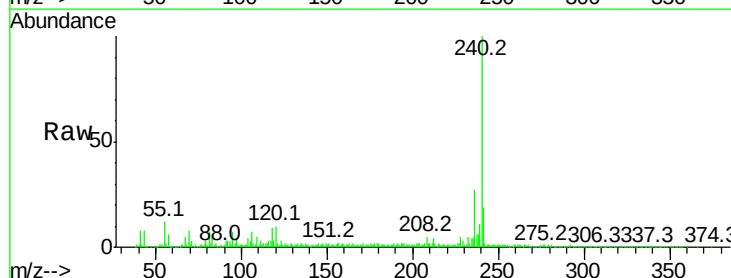
Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

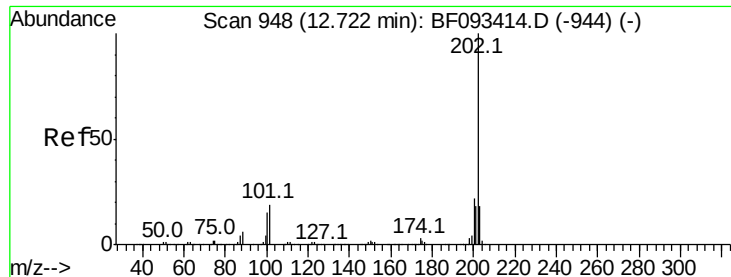
Tot Ion:	202	Resp:	146397
Ion	Ratio	Lower	Upper
202	100		
101	18.3	0.0	34.6
203	19.7	0.0	38.7



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Tgt Ion:	240	Resp:	372727
Ion	Ratio	Lower	Upper
240	100		
120	10.3	12.9	19.3#
236	26.6	20.9	31.3





#77

Pvrene

Concen: 5.66 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Instrument :

BNA_F

ClientSampleId :

E2-X6-BASE

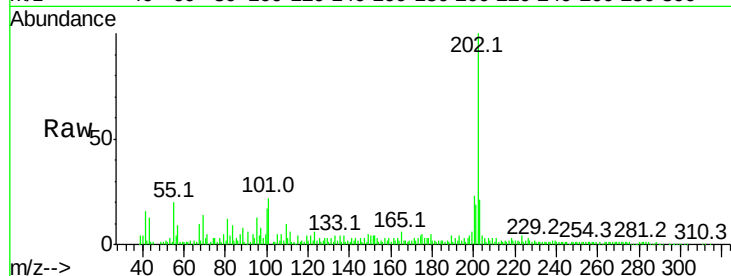
Tot Ion:202 Resp: 153385

Ion Ratio Lower Upper

202 100

200 23.3 17.7 26.5

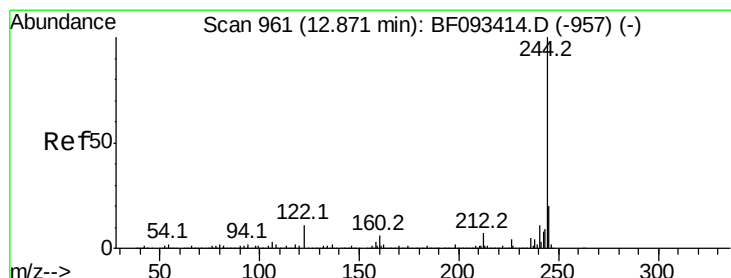
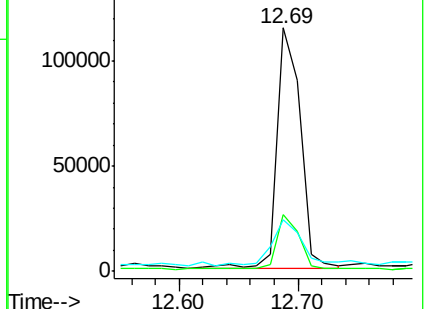
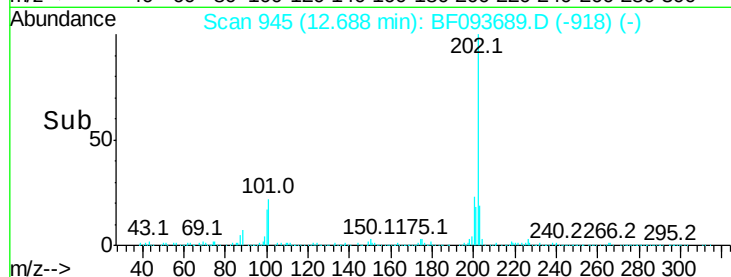
203 21.2 14.7 22.1



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: 8.35 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

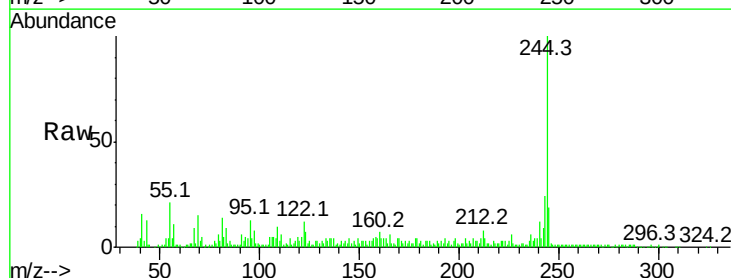
Tgt Ion:244 Resp: 119675

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

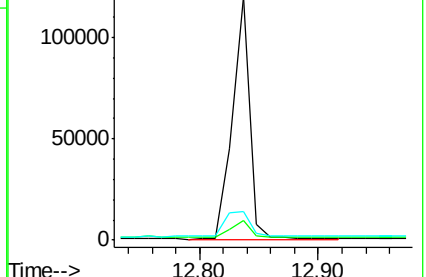
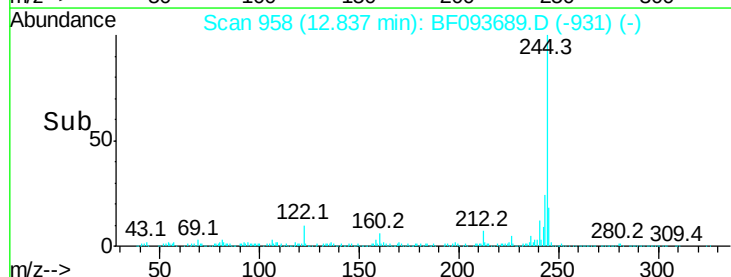
122 11.6 11.4 17.2

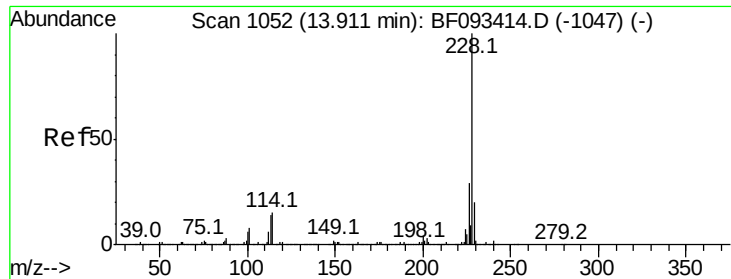


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

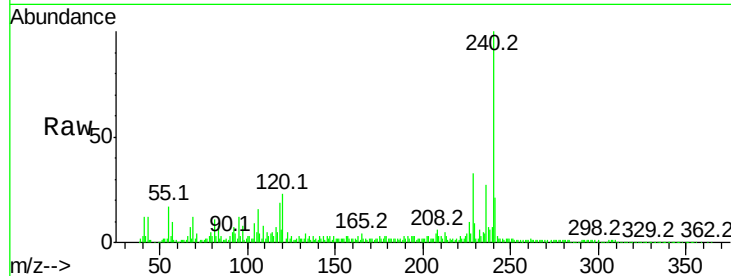




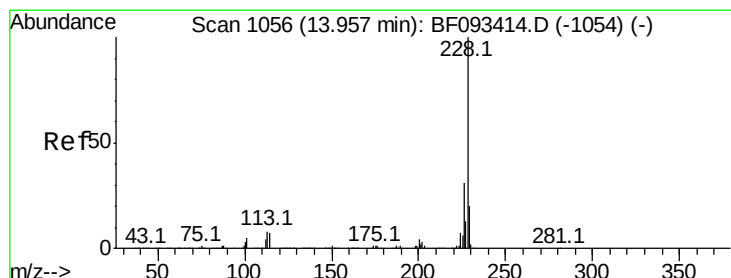
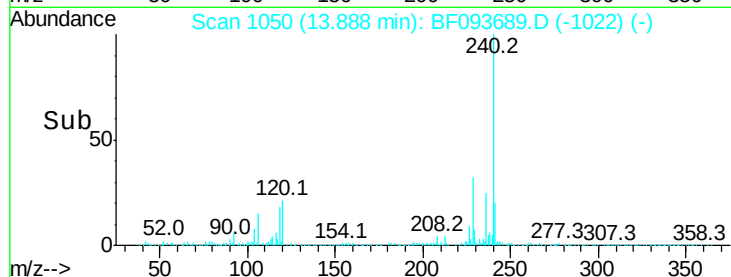
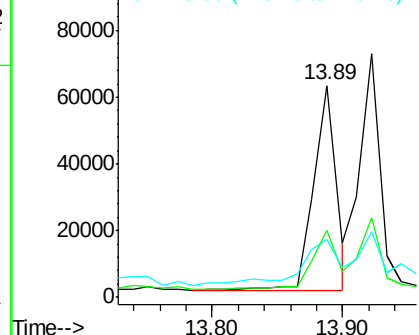
#80
Benzo(a)anthracene
Concen: 3.37 ng
RT: 13.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

Tot Ion:228 Resp: 74287
Ion Ratio Lower Upper
228 100
226 31.7 22.4 33.6
229 27.0 16.2 24.4#

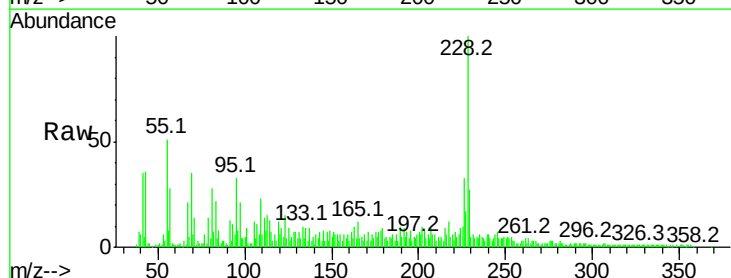


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

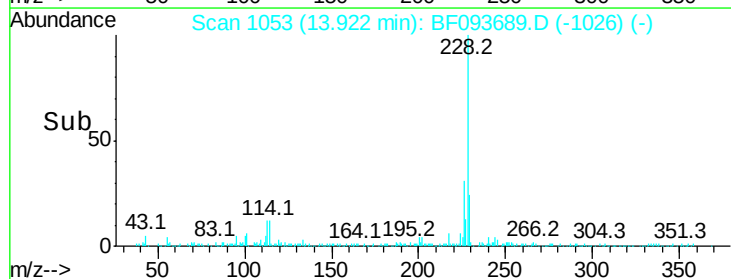
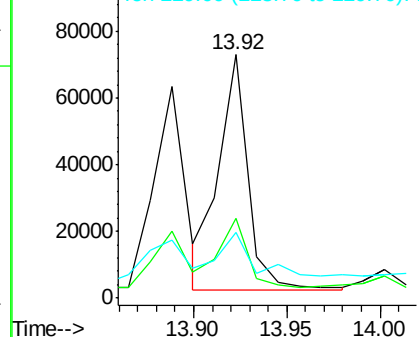


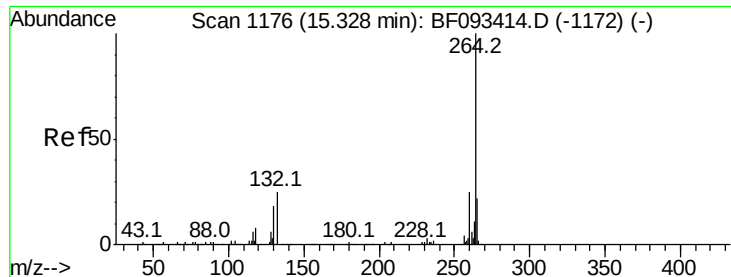
#82
Chrysene
Concen: 3.83 ng
RT: 13.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Tgt Ion:228 Resp: 77957
Ion Ratio Lower Upper
228 100
226 32.6 25.4 38.0
229 27.2 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

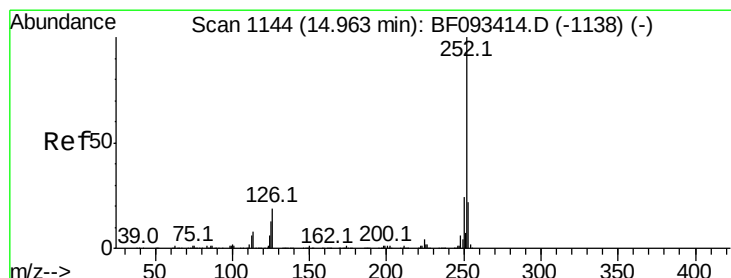
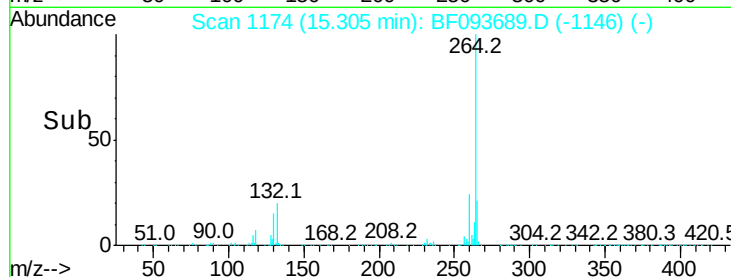
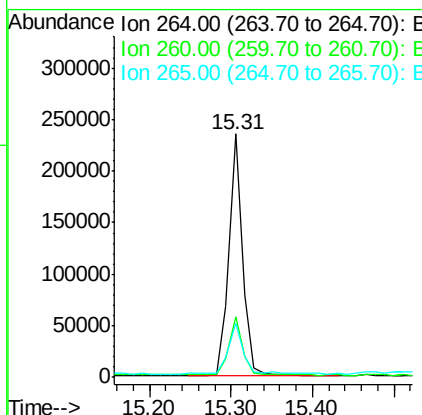
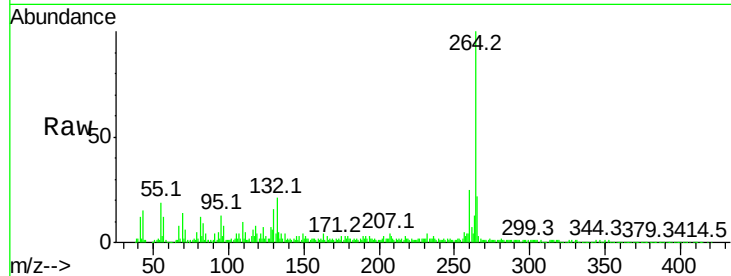




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

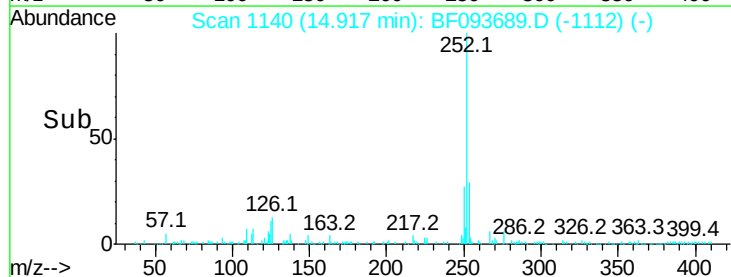
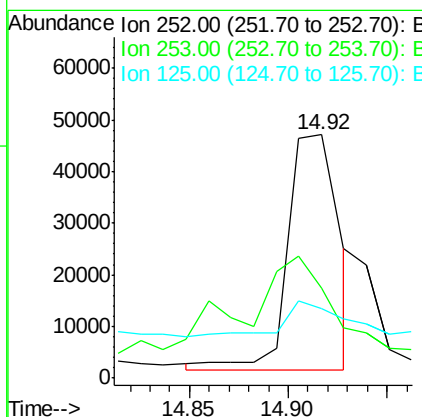
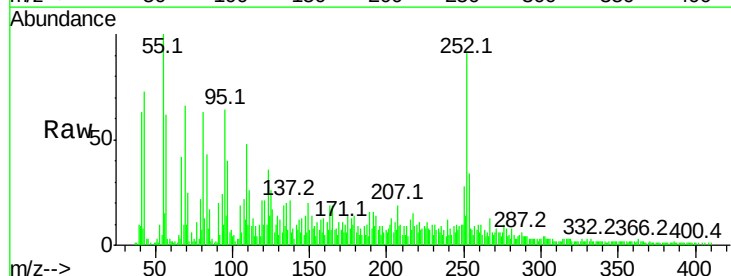
Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

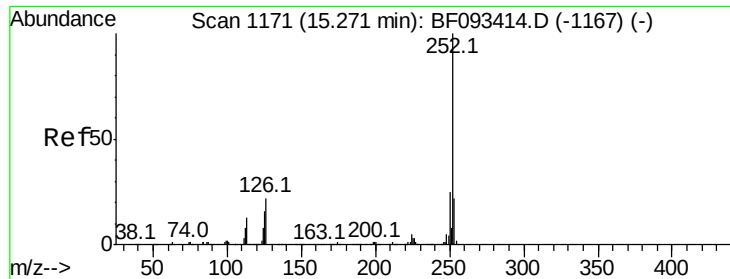
Tot Ion:264 Resp: 273354
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 22.2 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 5.08 ng m
RT: 14.92 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Tgt Ion:252 Resp: 84515
Ion Ratio Lower Upper
252 100
253 36.8 18.2 27.4#
125 28.7 9.8 14.6#





#89

Benzo(a)pyrene

Concen: 3.31 ng

RT: 15.25 min Scan# 1169

Delta R.T. 0.02 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Instrument :

BNA_F

ClientSampleId :

E2-X6-BASE

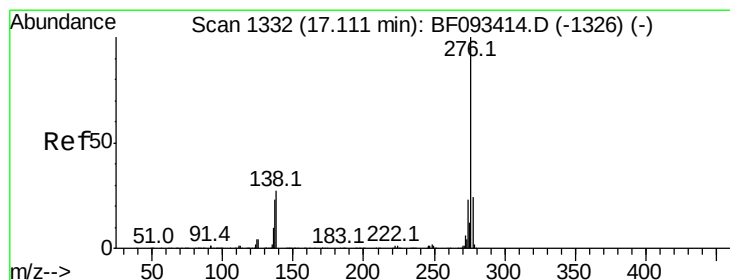
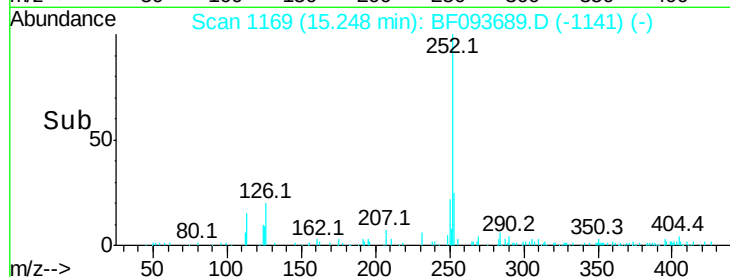
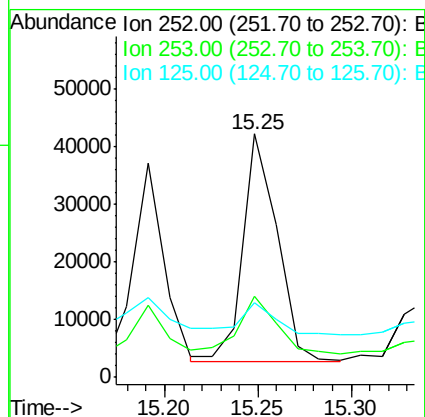
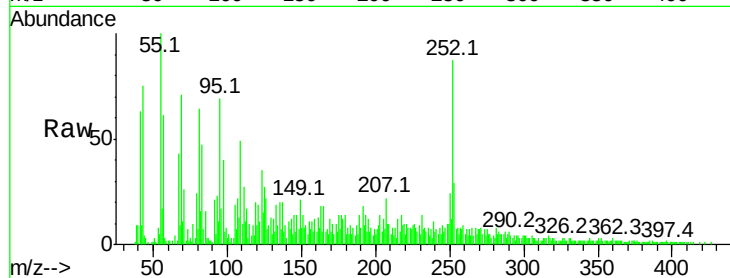
Tot Ion:252 Resp: 50303

Ion Ratio Lower Upper

252 100

253 33.4 18.2 27.2#

125 30.8 10.0 15.0#



#91

Benzo(g,h,i)perylene

Concen: 2.26 ng

RT: 17.09 min Scan# 1330

Delta R.T. 0.07 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Tgt Ion:276 Resp: 29188

Ion Ratio Lower Upper

276 100

277 31.6 19.2 28.8#

138 38.2 16.0 24.0#

