

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 01:45:45 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

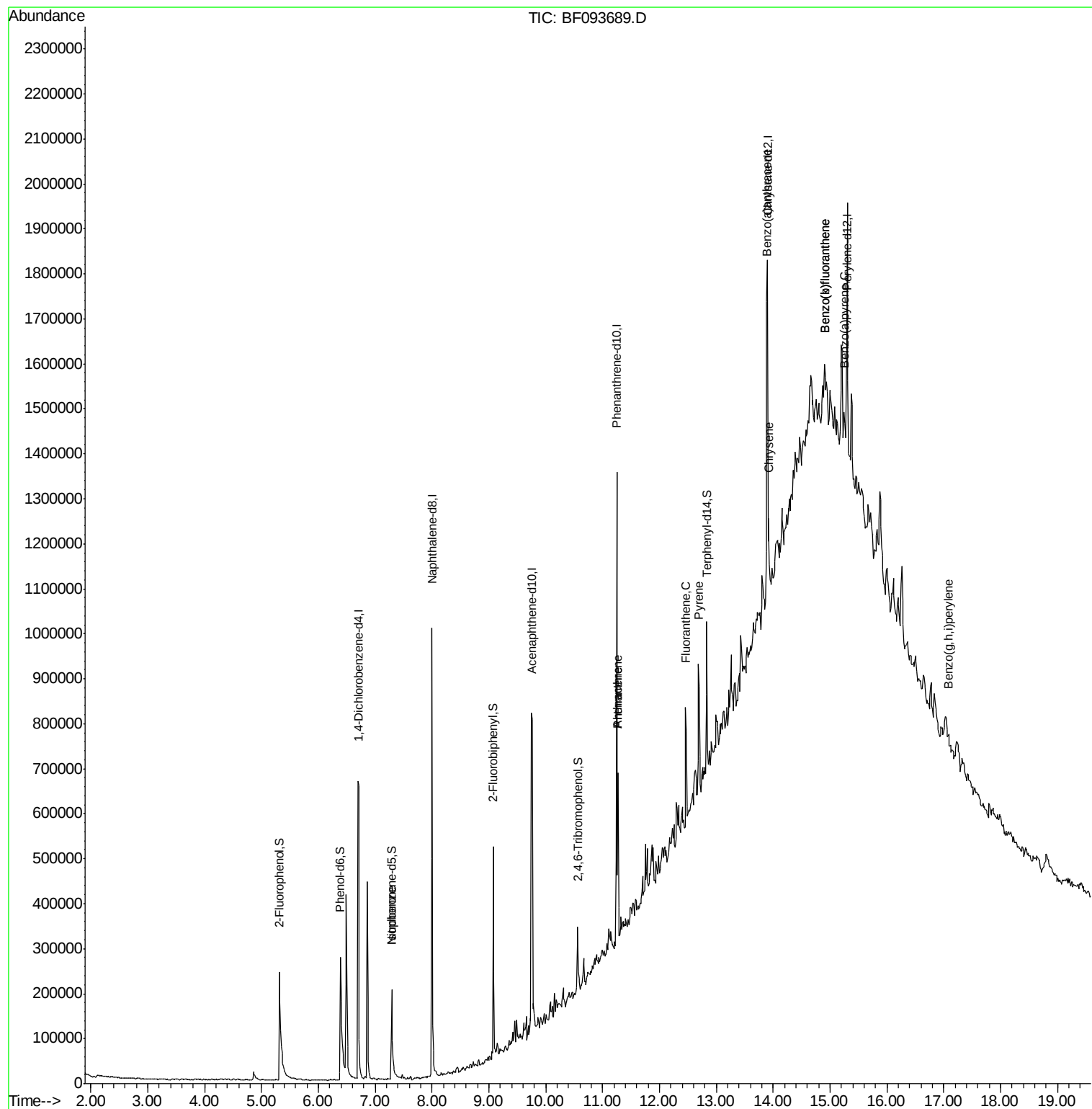
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	157101	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	543396	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	209819	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	369618	20.00	ng	0.00
75) Chrysene-d12	13.90	240	372727	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						
9) Benzaldehyde	6.39	77	548	Below Cal	Qvalue	
25) Isophorone	7.29	82	126082	6.38 ng	#	1
70) Phenanthrene	11.27	178	134973	6.40 ng	#	65
71) Anthracene	11.27	178	134973	6.32 ng		99
74) Fluoranthene	12.46	202	146397	7.18 ng		99
77) Pyrene	12.69	202	153385	5.66 ng		95
80) Benzo(a)anthracene	12.69	202	153385	5.66 ng		96
82) Chrysene	13.89	228	74287	3.37 ng	#	90
87) Benzo(b)fluoranthene	13.92	228	77957	3.83 ng	#	93
88) Benzo(k)fluoranthene	14.92	252	96805	5.81 ng	#	66
89) Benzo(a)pyrene	14.92	252	96939	6.04 ng	#	66
91) Benzo(a,h,i)perylene	15.25	252	50303	3.31 ng	#	69
	17.09	276	29188	2.26 ng	#	74

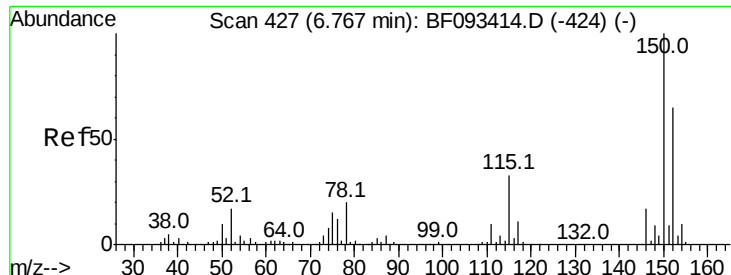
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

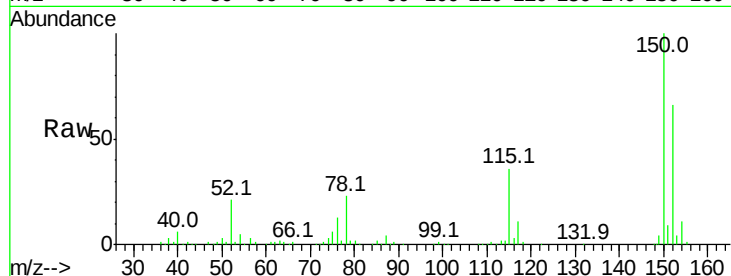
Tot Ion:152 Resp: 157101

Ion Ratio Lower Upper

152 100

150 151.8 124.9 187.3

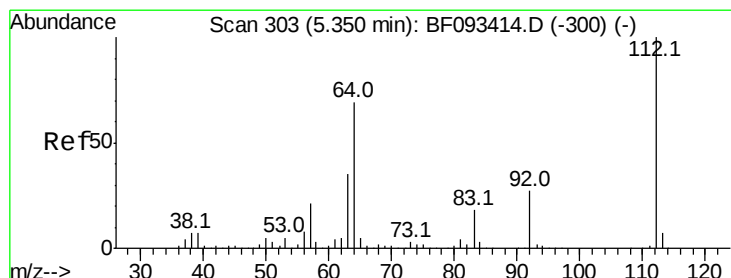
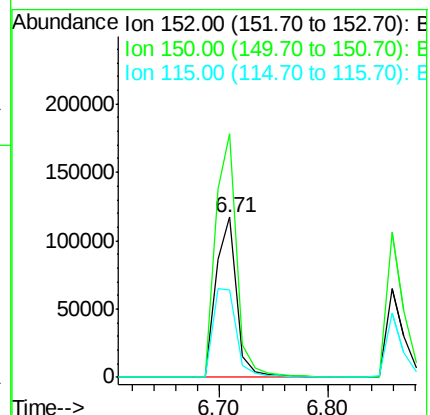
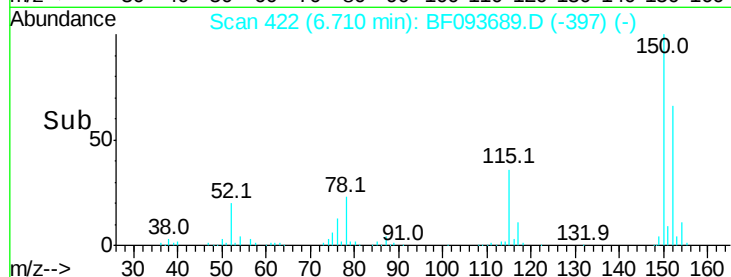
115 54.7 46.0 69.0



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

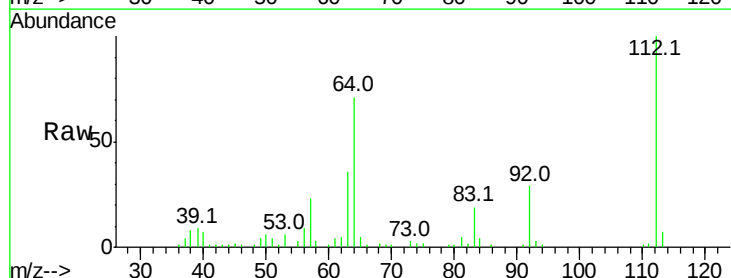
Tgt Ion:112 Resp: 164211

Ion Ratio Lower Upper

112 100

64 71.1 46.1 69.1#

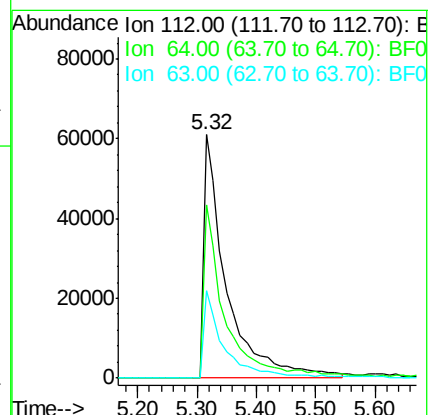
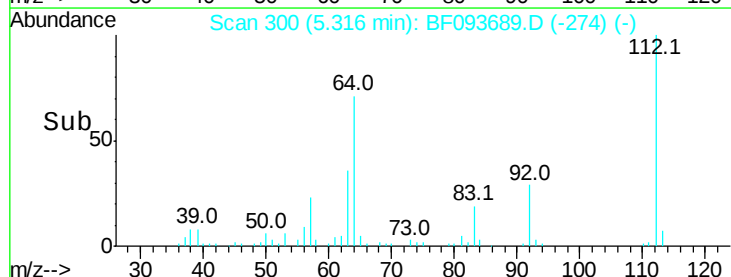
63 36.1 23.8 35.6#

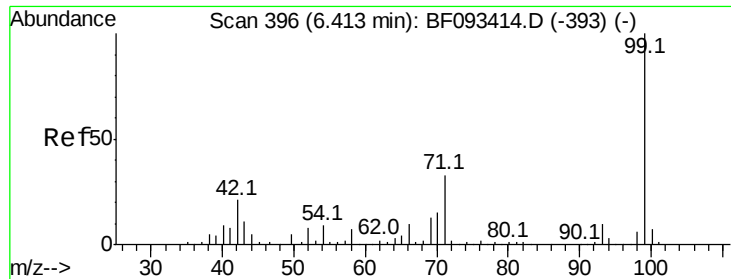


Abundance Ion 112.00 (111.70 to 112.70): E

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

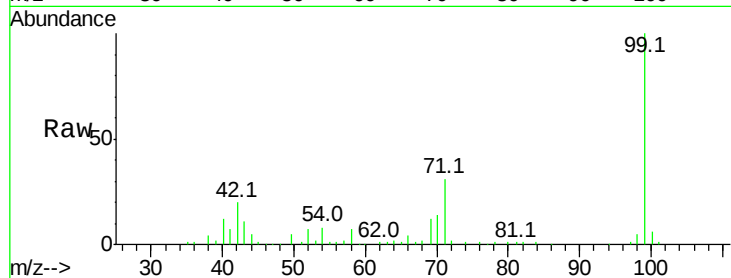
Tot Ion: 99 Resp: 206864

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

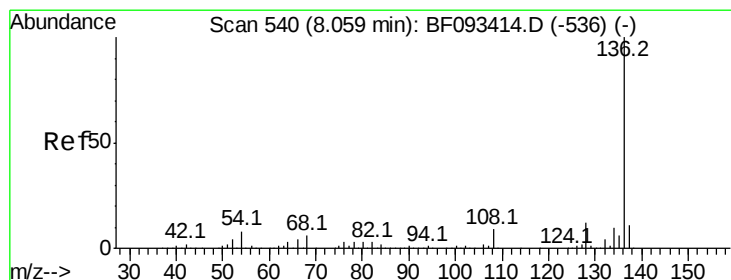
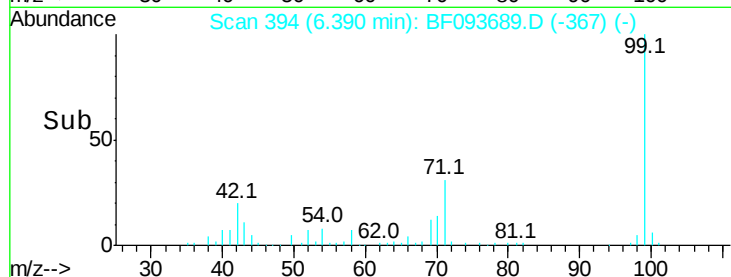
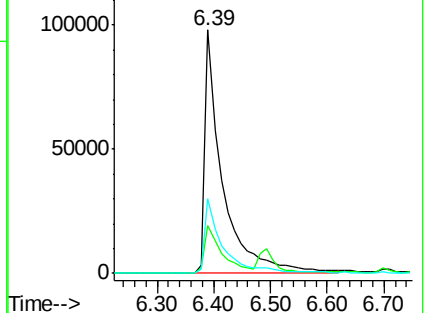
71 30.8 27.5 41.3



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

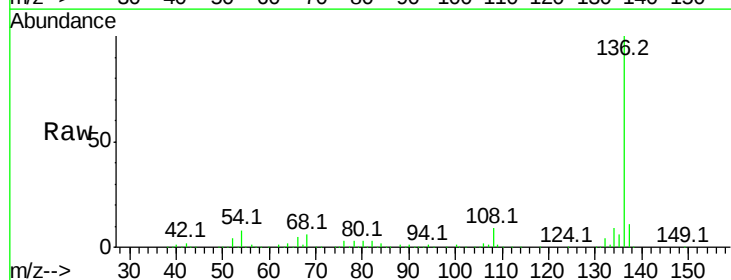
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.3 4.5 6.7#

68 6.2 3.6 5.4#

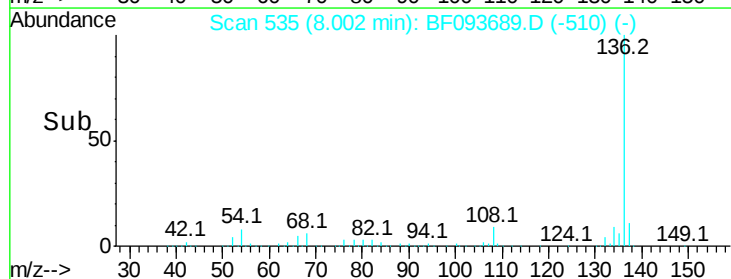
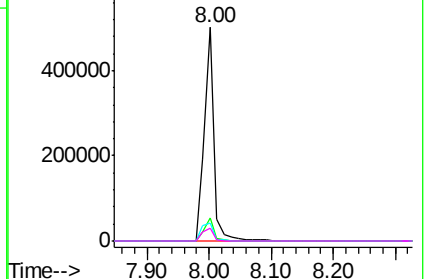


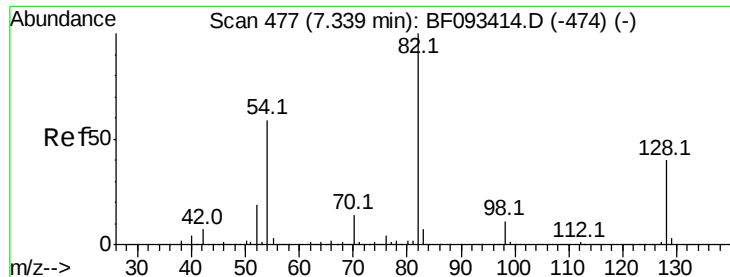
Abundance Ion 136.00 (135.70 to 136.70): E

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

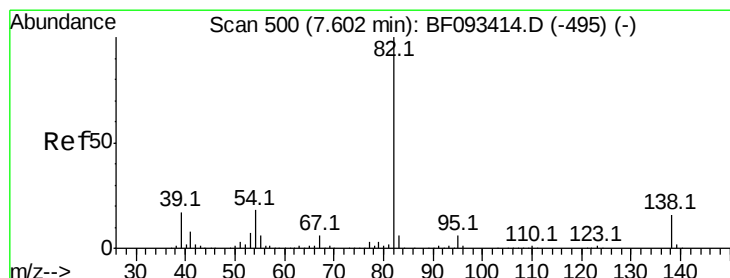
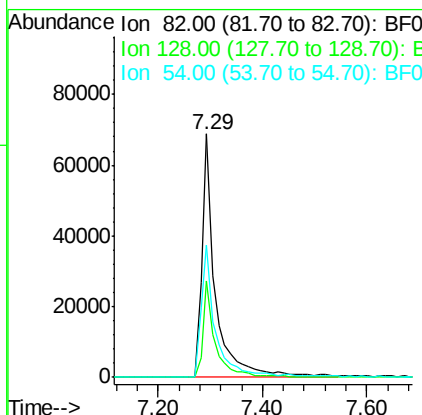
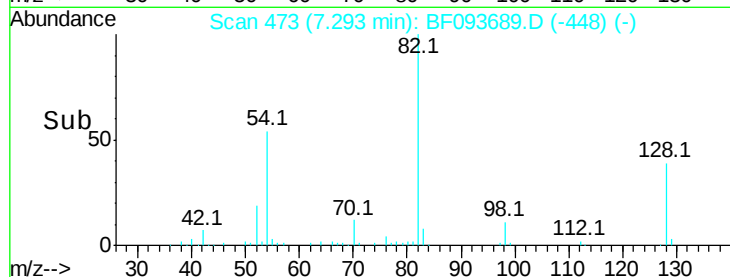
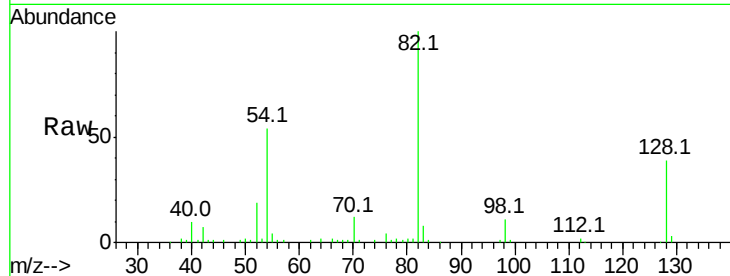




#23
 Nitrobenzene-d5
 Concen: 12.73 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093689.D
 Acq: 16 Mar 2017 1:00

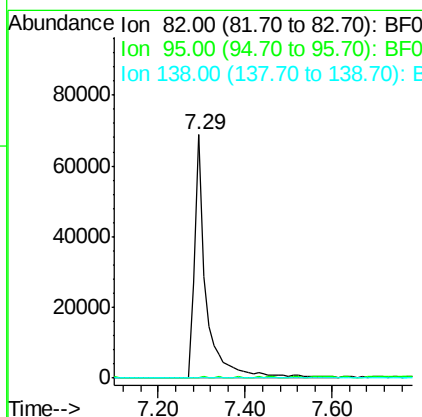
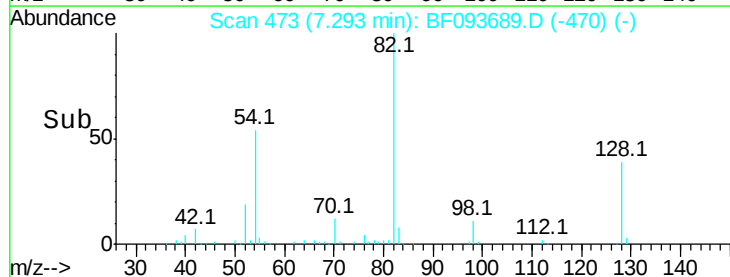
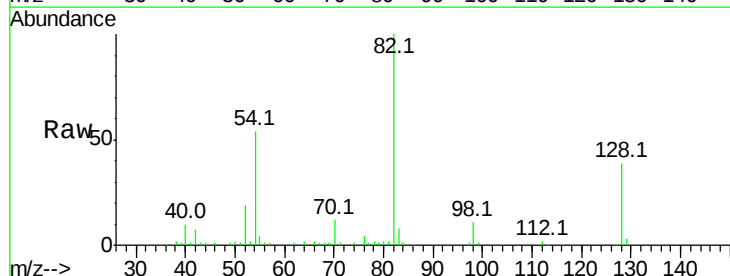
Instrument :
 BNA_F
 ClientSampleId :
 E2-X6-BASE

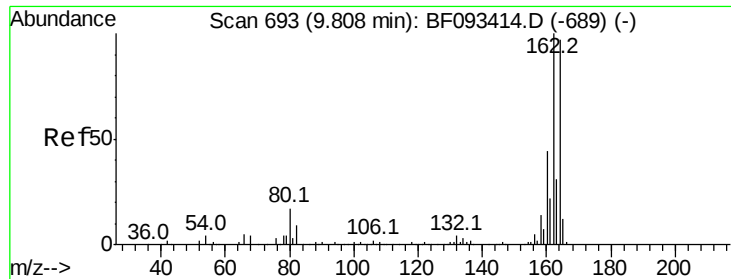
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.6	52.0
54	54.1	39.5	59.3



#25
 Isophorone
 Concen: 6.38 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.26 min
 Lab File: BF093689.D
 Acq: 16 Mar 2017 1:00

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#





#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

Instrument :

BNA_F

ClientSampleId :

E2-X6-BASE

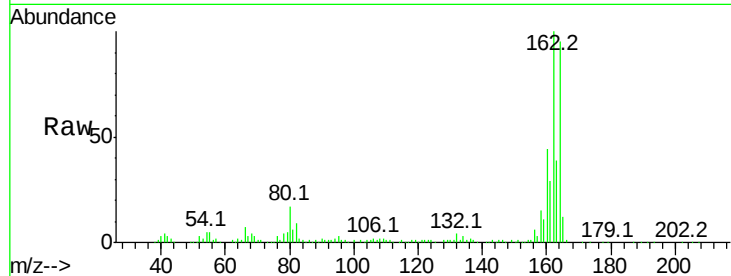
Tot Ion:164 Resp: 209819

Ion Ratio Lower Upper

164 100

162 105.7 80.2 120.2

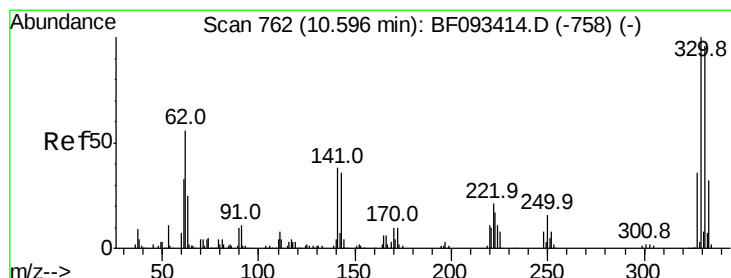
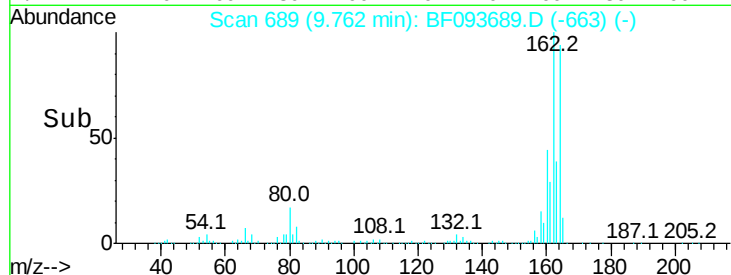
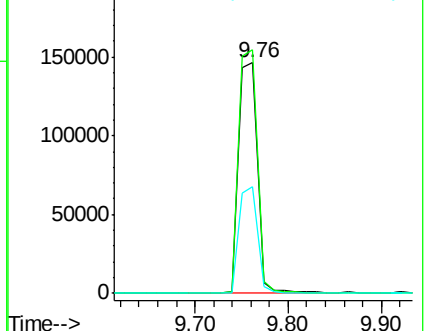
160 46.5 36.9 55.3



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

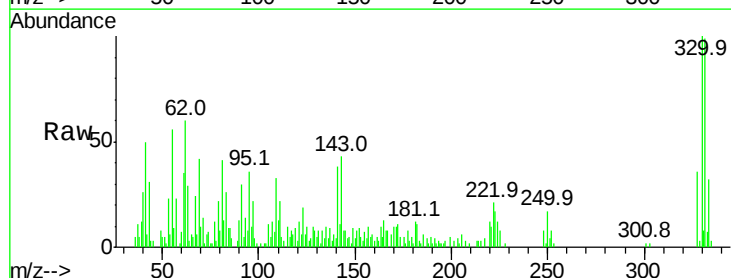
Tgt Ion:330 Resp: 19120

Ion Ratio Lower Upper

330 100

332 94.8 77.4 116.2

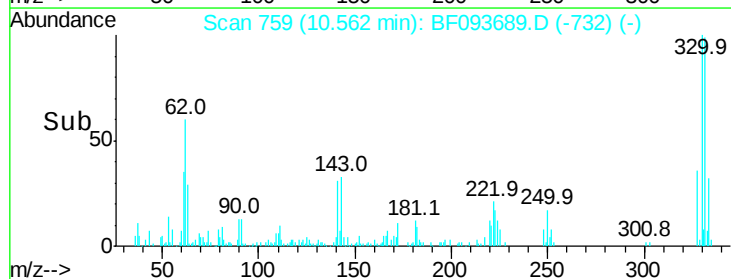
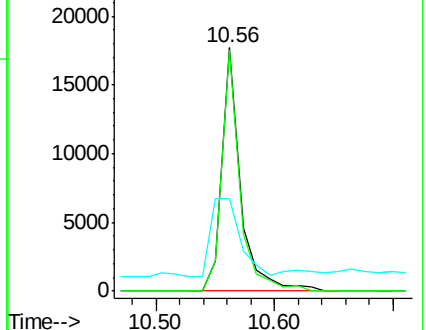
141 49.5 34.1 51.1

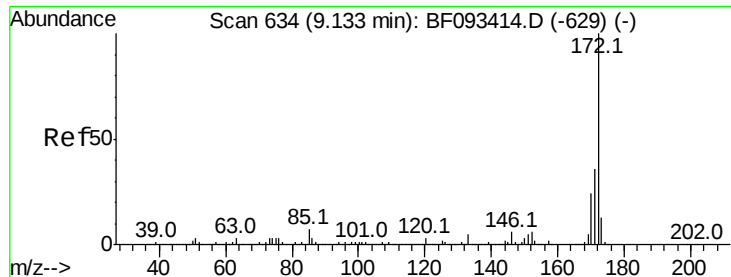


Abundance Ion 329.80 (329.50 to 330.50): E

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

Instrument :

BNA_F

ClientSampleId :

E2-X6-BASE

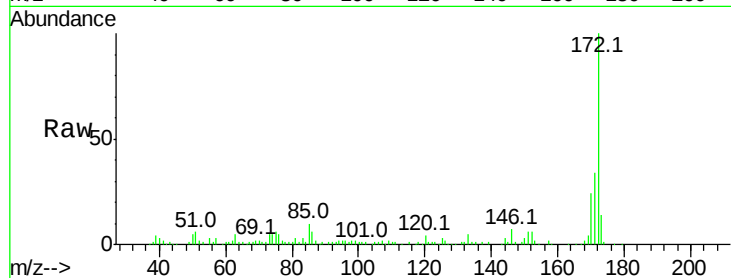
Tot Ion:172 Resp: 157755

Ion Ratio Lower Upper

172 100

171 34.2 29.4 44.0

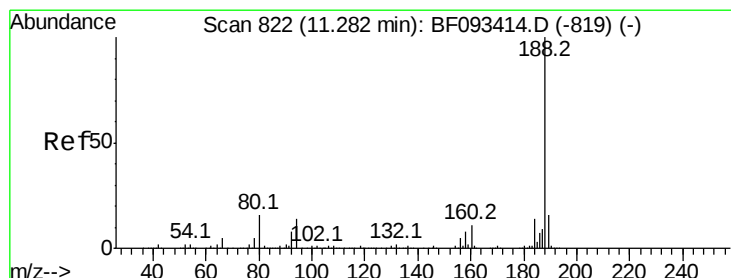
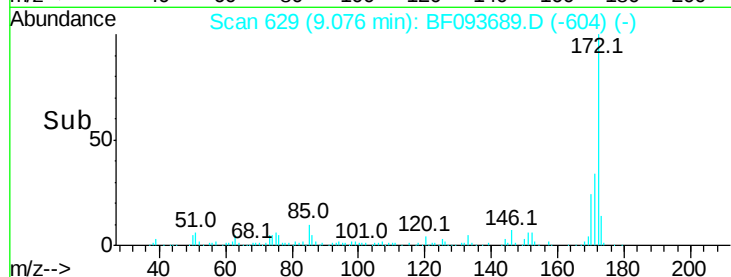
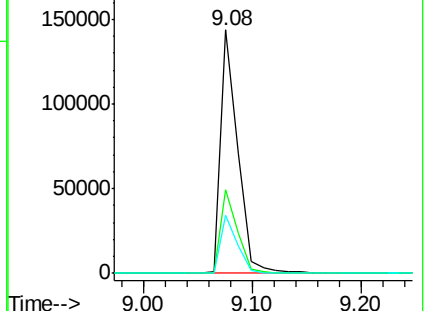
170 23.9 20.2 30.4



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

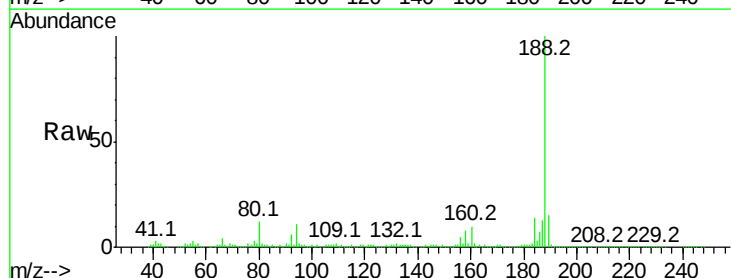
Tgt Ion:188 Resp: 369618

Ion Ratio Lower Upper

188 100

94 10.6 10.0 15.0

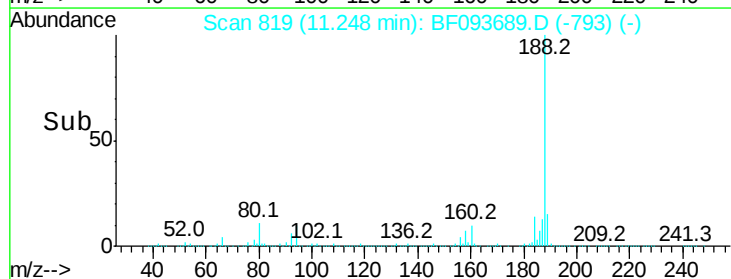
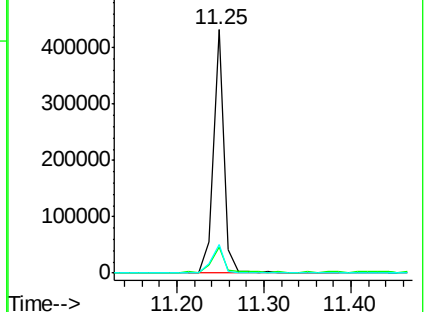
80 11.5 11.2 16.8

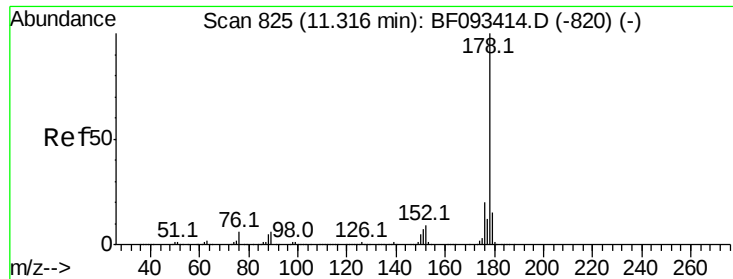


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.40 ng

RT: 11.27 min Scan# 821

Delta R.T. 0.00 min

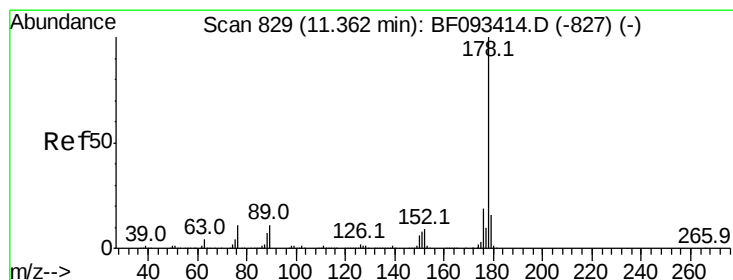
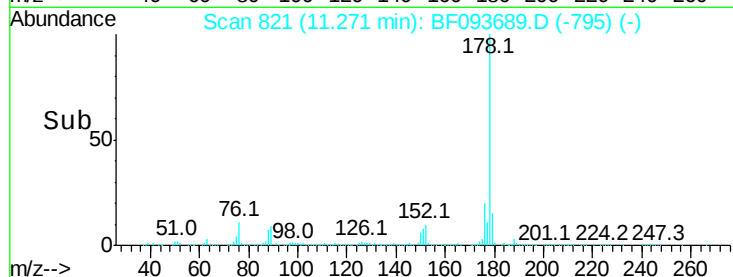
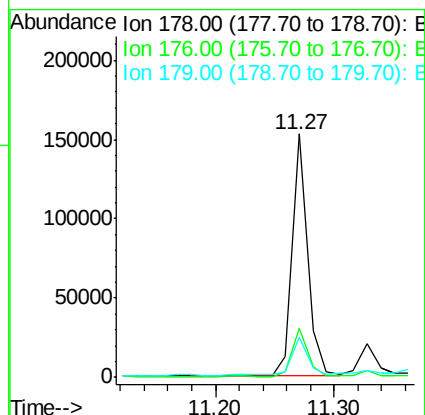
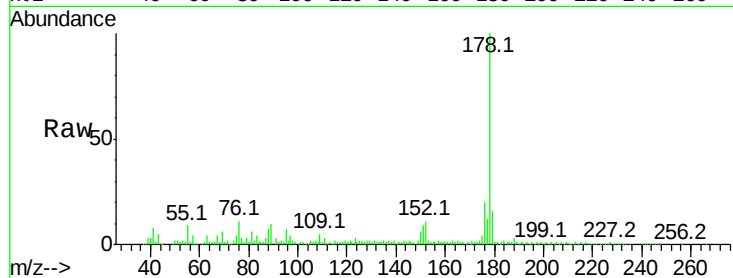
Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Instrument :
BNA_F
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E2-X6-BASE

Tot Ion:178 Resp: 134973

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	25.0
179	16.2	12.8	19.2



#71

Anthracene

Concen: 6.32 ng

RT: 11.27 min Scan# 821

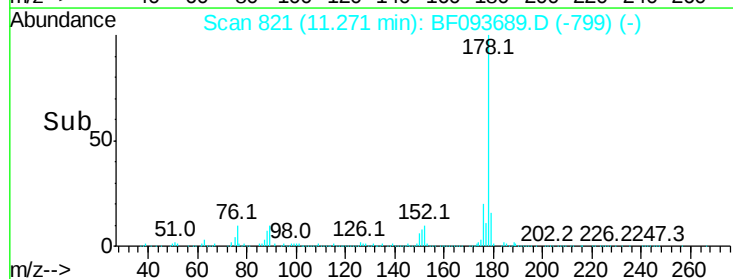
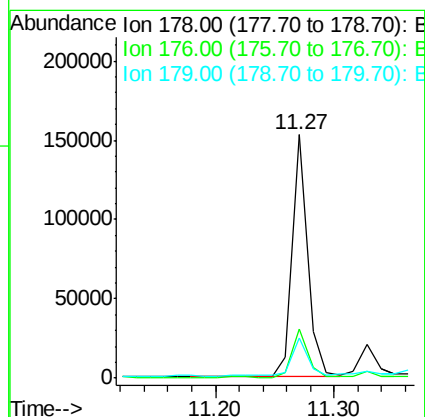
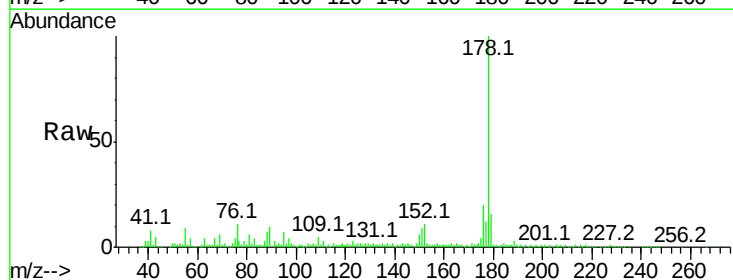
Delta R.T. -0.05 min

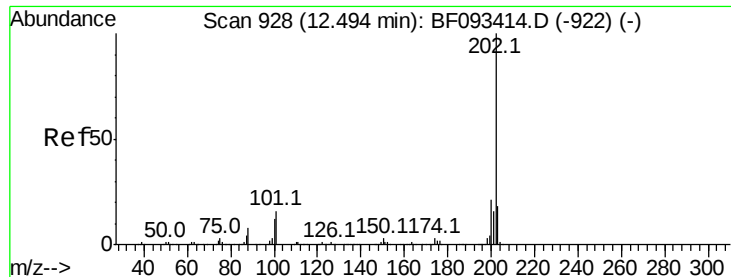
Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

Tgt Ion:178 Resp: 134973

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	16.2	13.2	19.8





#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

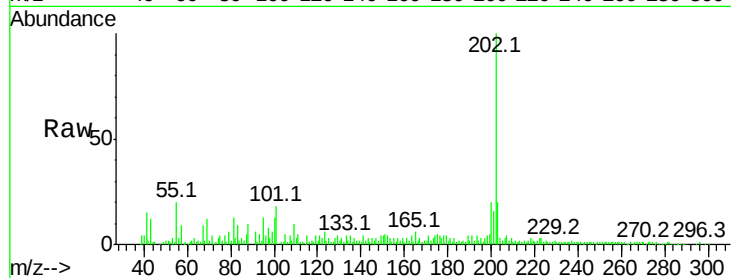
Tot Ion:202 Resp: 146397

Ion Ratio Lower Upper

202 100

101 18.3 0.0 34.6

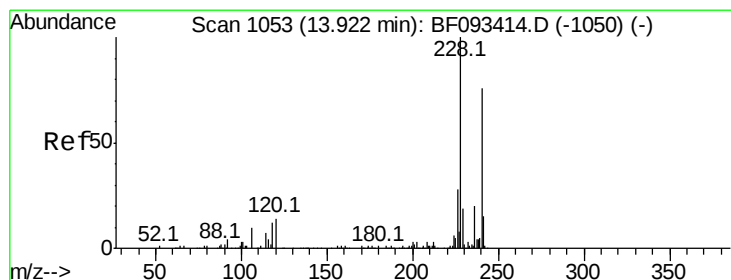
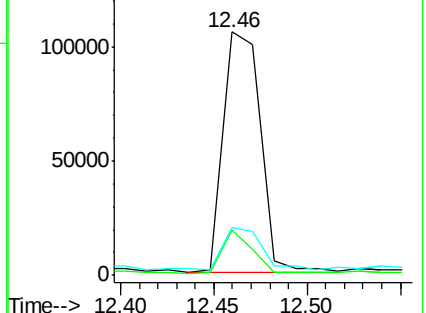
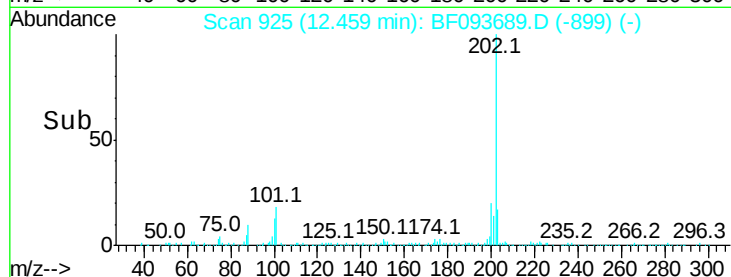
203 19.7 0.0 38.7



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: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093689.D

Acq: 16 Mar 2017 1:00

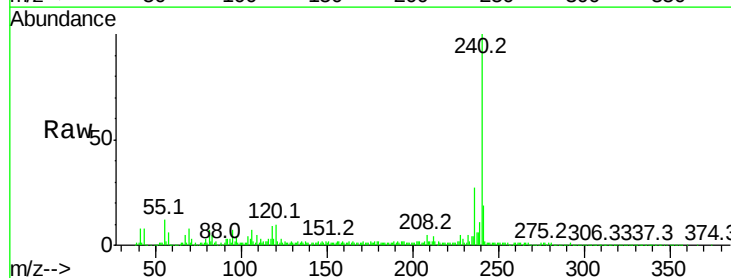
Tgt Ion:240 Resp: 372727

Ion Ratio Lower Upper

240 100

120 10.3 12.9 19.3#

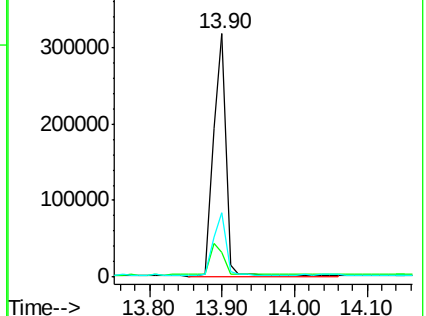
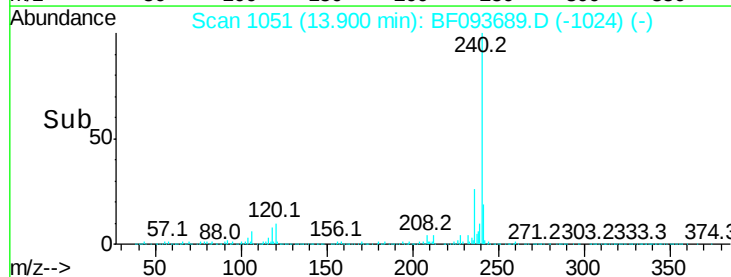
236 26.6 20.9 31.3

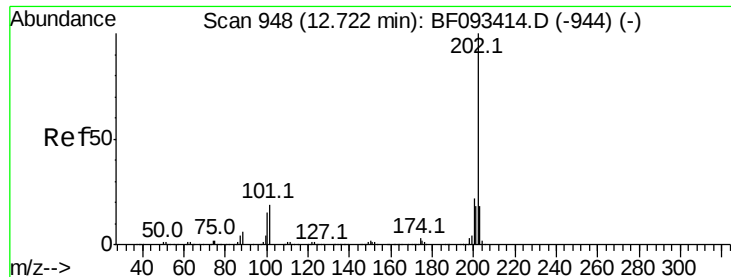


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

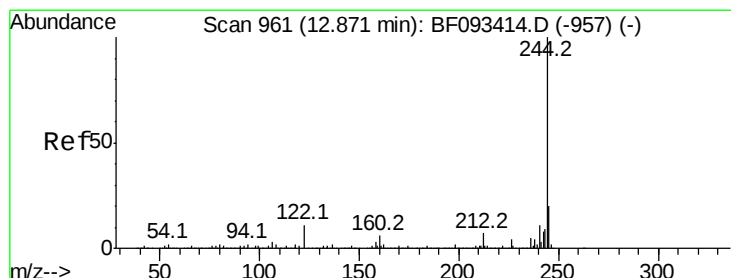
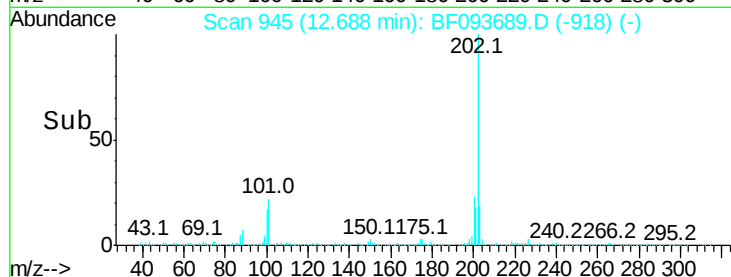
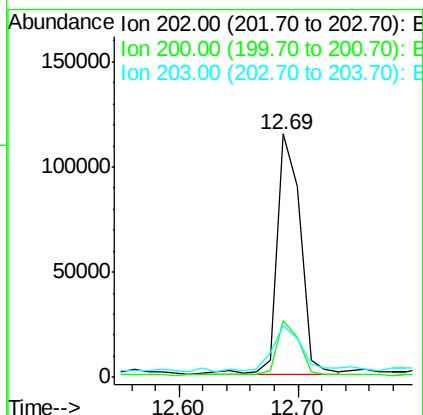
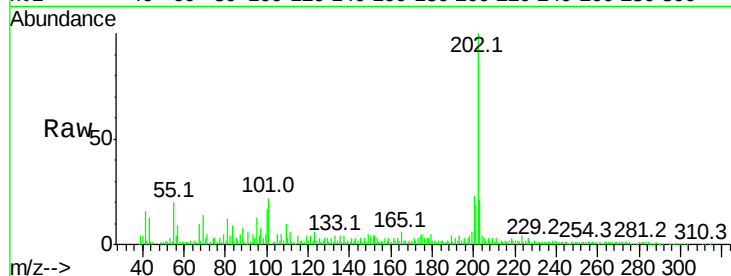




#77
Pvrene
Concen: 5.66 ng
RT: 12.69 min Scan# 945
Delta R.T. 0.01 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

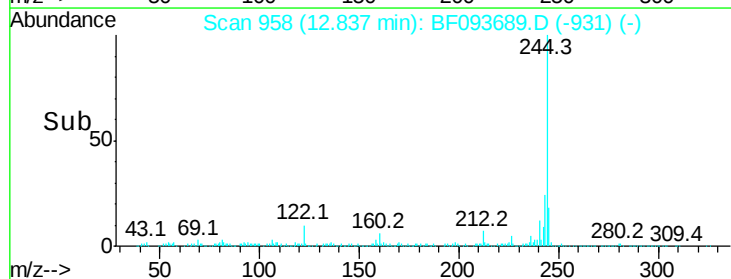
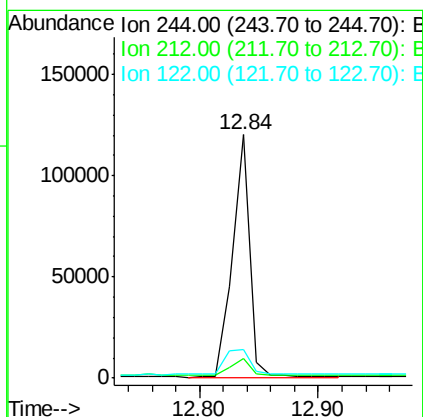
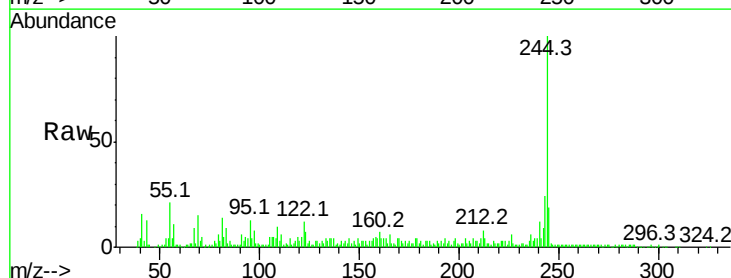
Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

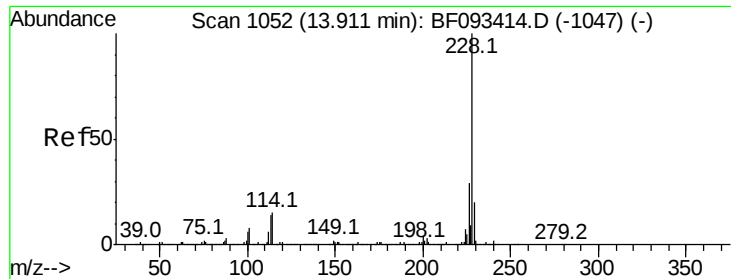
Tot Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.7	26.5
203	21.2	14.7	22.1



#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	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	11.6	11.4	17.2

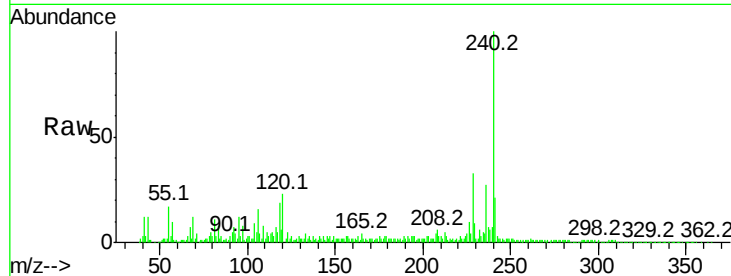




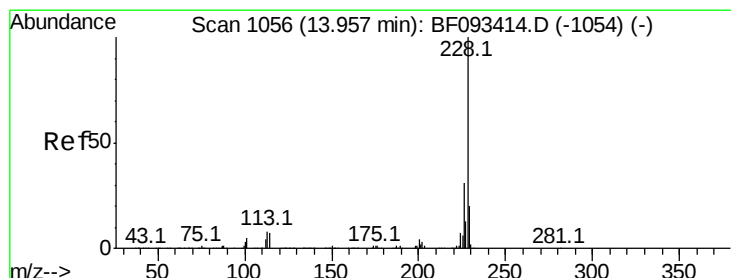
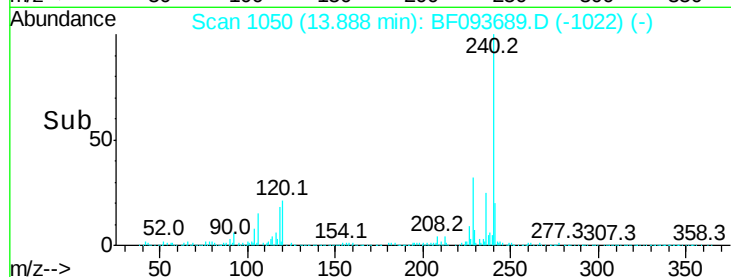
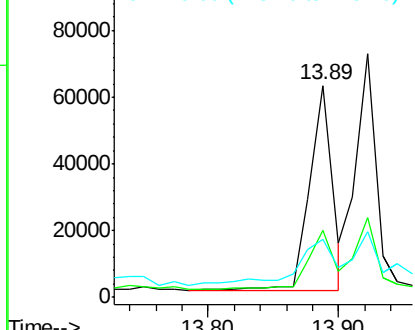
#80
Benzo(a)anthracene
Concen: 3.37 ng
RT: 13.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

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#

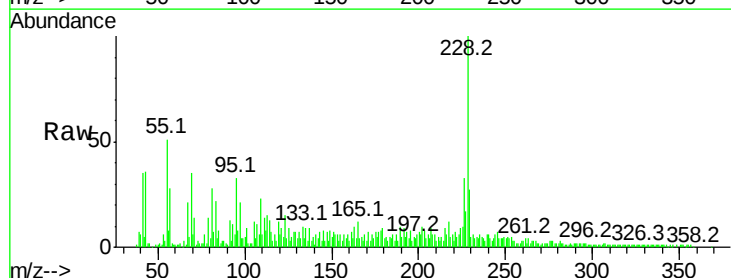


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

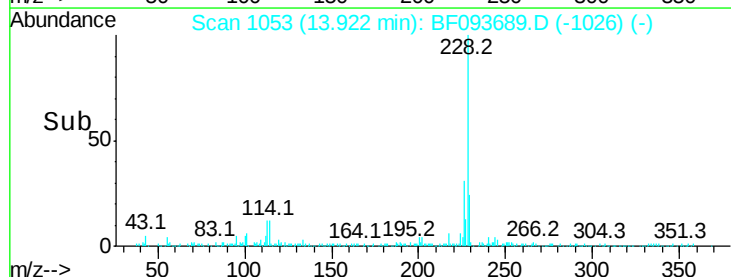
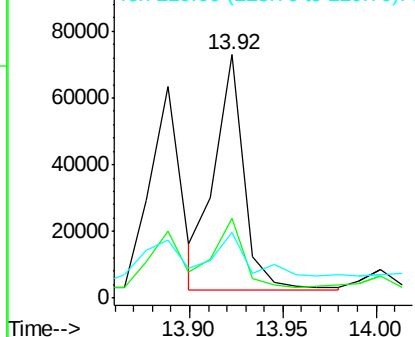


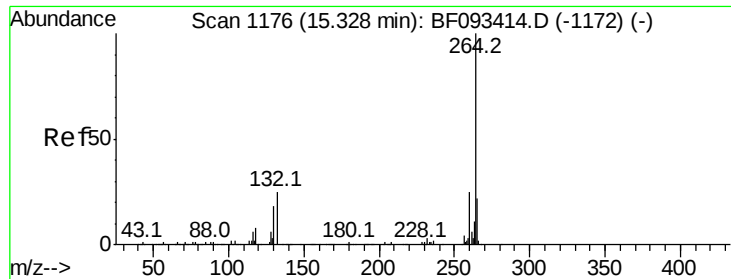
#82
Chrysene
Concen: 3.83 ng
RT: 13.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

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



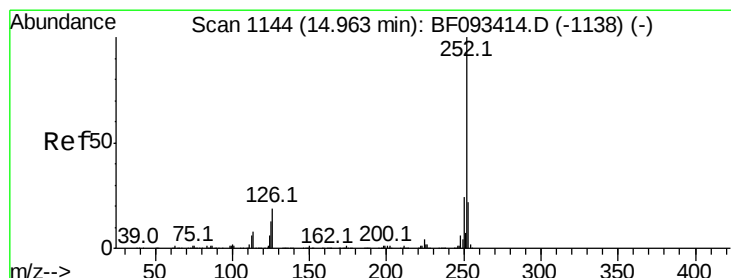
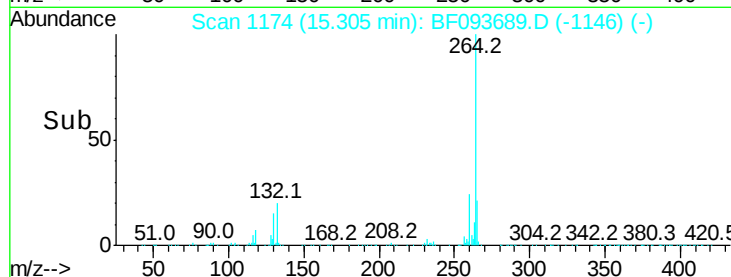
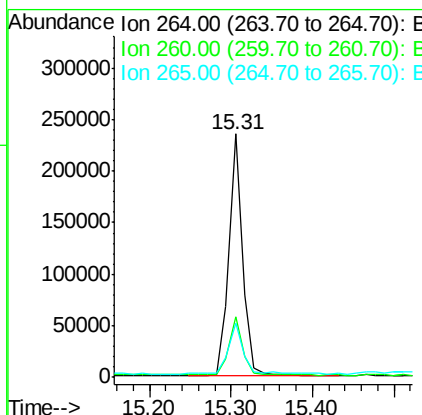
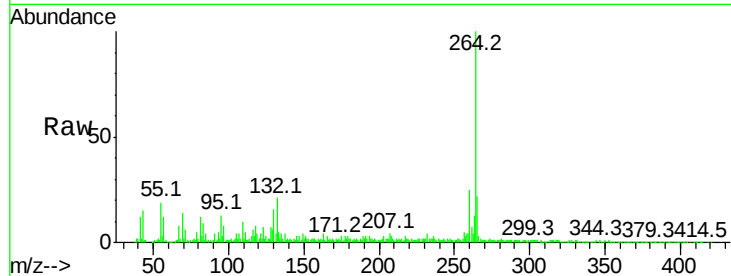


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

Tot Ion:264 Resp: 273354

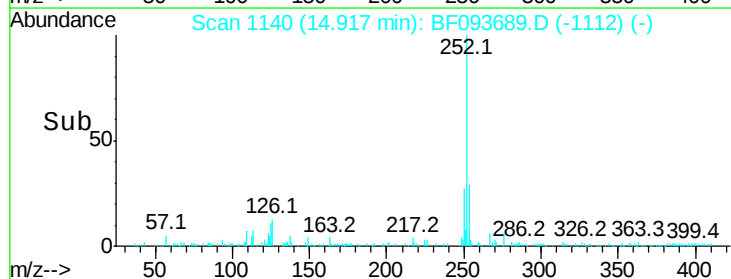
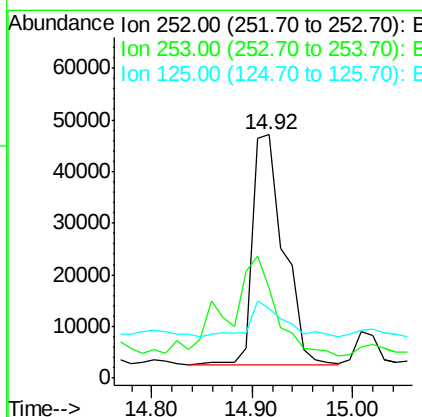
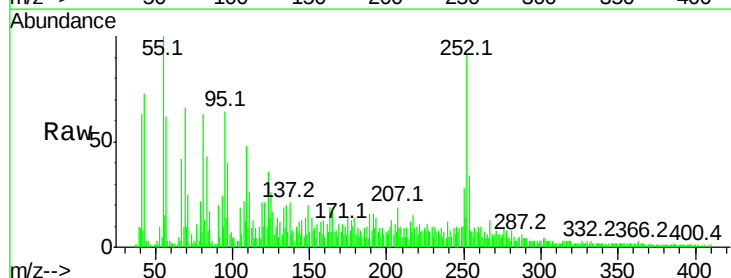
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.2	17.4	26.0

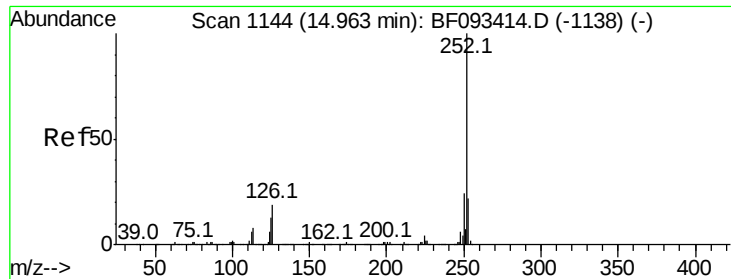


#87
Benzo(b)fluoranthene
Concen: 5.81 ng
RT: 14.92 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

Tgt Ion:252 Resp: 96805

Ion	Ratio	Lower	Upper
252	100		
253	36.8	18.2	27.4#
125	28.7	9.8	14.6#

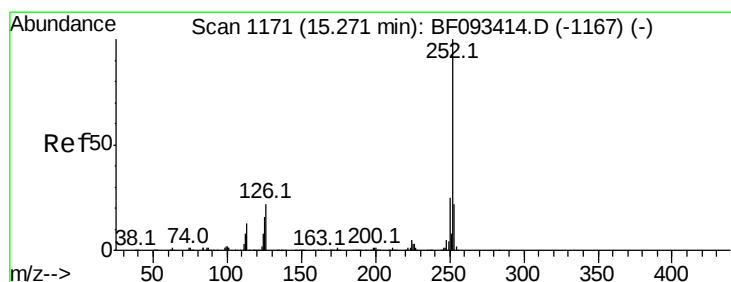
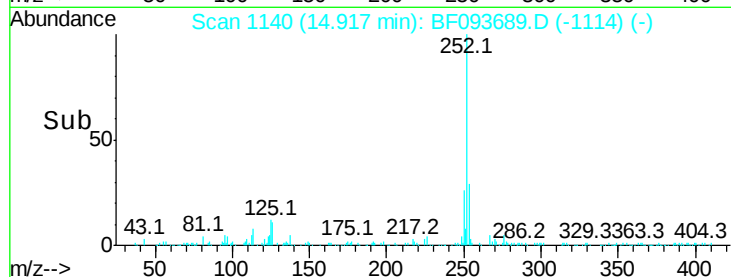
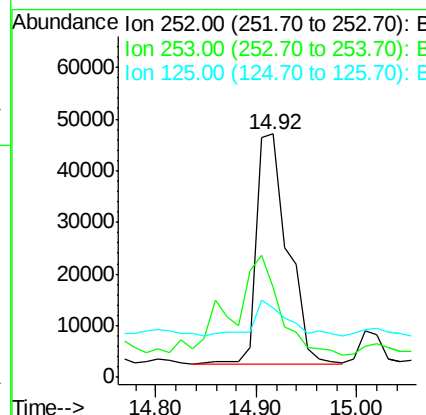
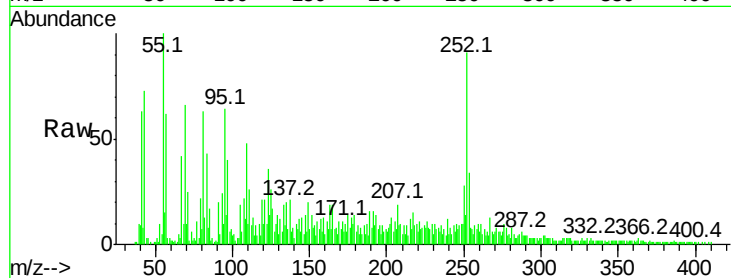




#88
Benzo(k)fluoranthene
Concen: 6.04 ng
RT: 14.92 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF093689.D
Acq: 16 Mar 2017 1:00

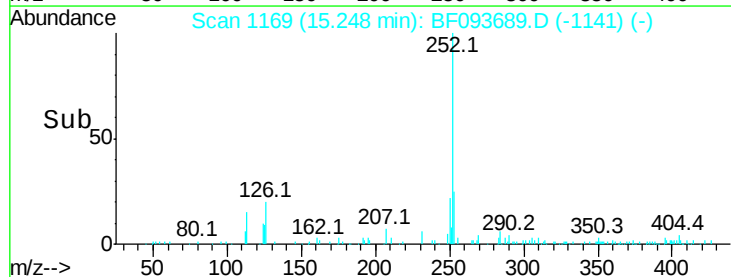
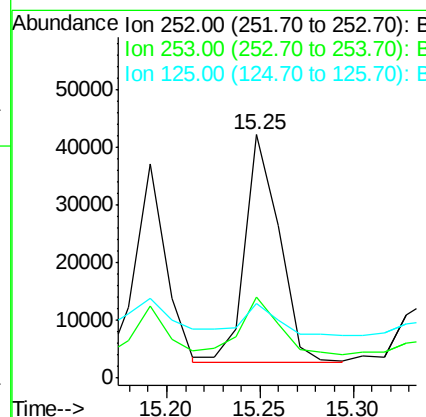
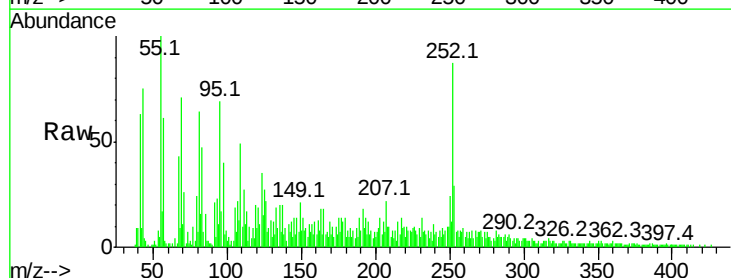
Instrument :
BNA_F
ClientSampleId :
E2-X6-BASE

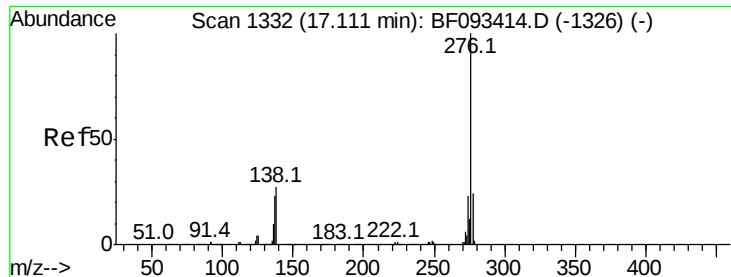
Tot Ion:252 Resp: 96939
Ion Ratio Lower Upper
252 100
253 36.8 18.5 27.7#
125 28.7 8.9 13.3#



#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

Tgt 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(a,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

Instrument :

BNA_F

ClientSampleId :

E2-X6-BASE

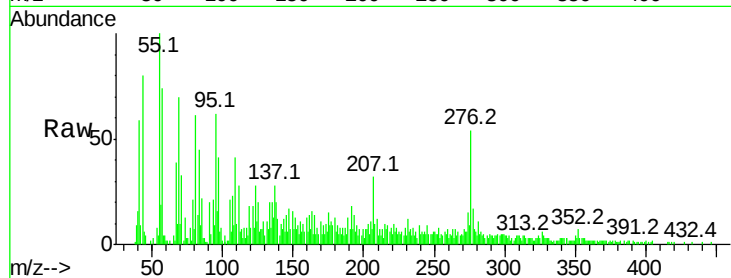
Tot Ion: 276 Resp: 29188

Ion Ratio Lower Upper

276 100

277 31.6 19.2 28.8#

138 38.2 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

