

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030117\
 Data File : BF093312.D
 Acq On : 2 Mar 2017 1:53
 Operator : SJ/MA
 Sample : I1995-03 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 U-2

Quant Time: Mar 02 02:31:10 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

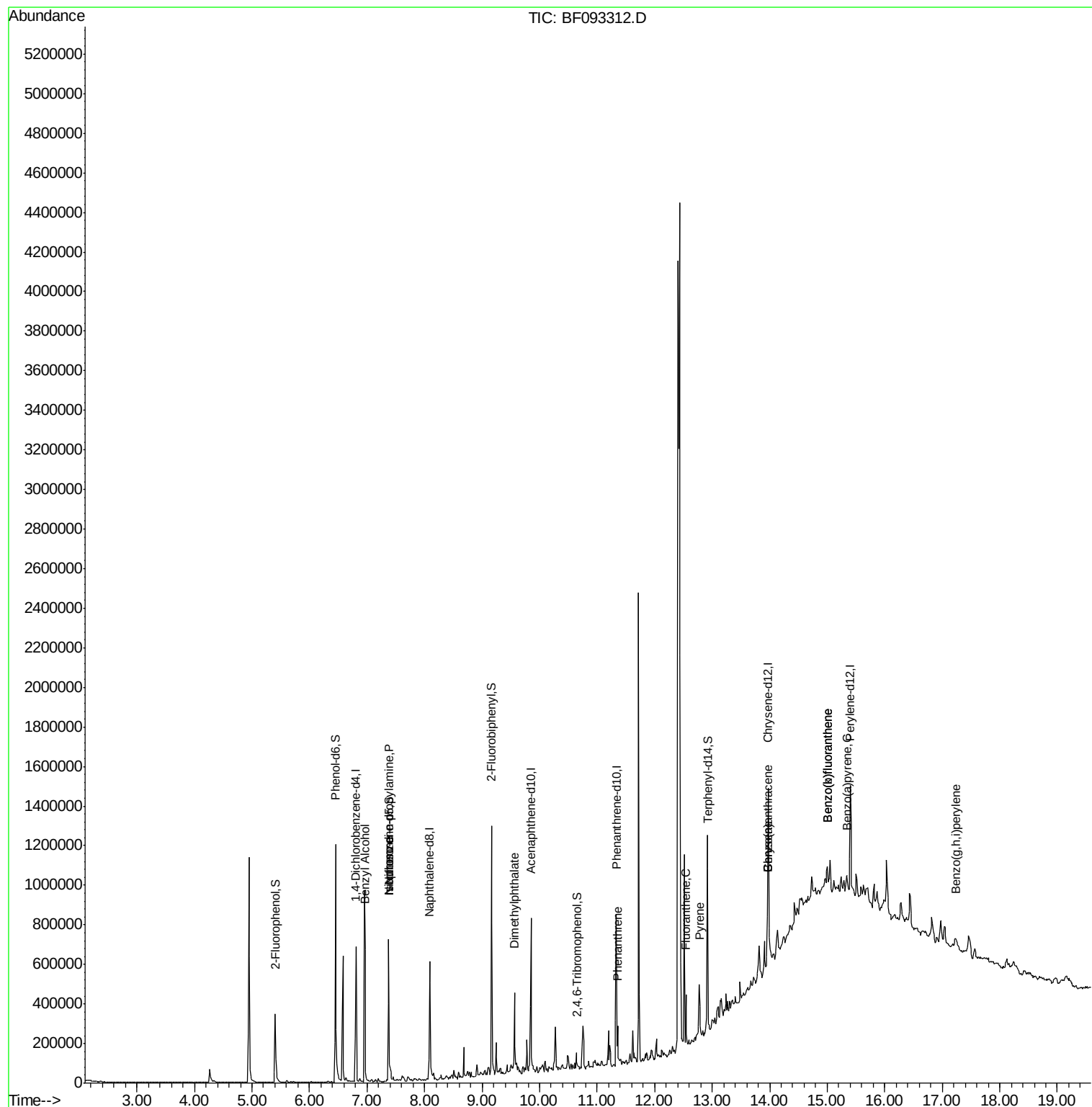
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	114717	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	407787	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	170814	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	297201	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	296181	20.00	ng	-0.05
86) Perylene-d12	15.40	264	214971	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	125363	18.75	ng	-0.05
7) Phenol-d6	6.45	99	471183	54.77	ng	-0.03
23) Nitrobenzene-d5	7.38	82	309533	42.27	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	10169	8.23	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	521435	55.30	ng	-0.06
78) Terphenyl-d14	12.92	244	435278	34.53	ng	-0.05
Target Compounds						Qvalue
15) Benzyl Alcohol	6.97	79	14244	2.24	ng	# 70
19) n-Nitroso-di-n-propylamine	7.38	70	43740	7.99	ng	# 79
25) Isophorone	7.38	82	303826	22.27	ng	# 65
49) Dimethylphthalate	9.56	163	157202	13.66	ng	# 99
70) Phenanthrene	11.36	178	73324	4.31	ng	96
74) Fluoranthene	12.55	202	103871	5.91	ng	99
77) Pyrene	12.77	202	109668	4.95	ng	98
80) Benzo(a)anthracene	13.96	228	62124	3.43	ng	93
82) Chrysene	13.96	228	62124	3.66	ng	96
87) Benzo(b)fluoranthene	15.00	252	69521	4.91	ng	# 61
88) Benzo(k)fluoranthene	15.00	252	69521	5.69	ng	# 61
89) Benzo(a)pyrene	15.35	252	36900	3.01	ng	# 67
91) Benzo(g,h,i)perylene	17.23	276	21829	2.18	ng	# 68

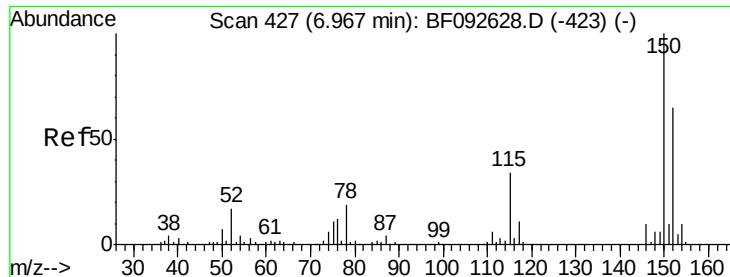
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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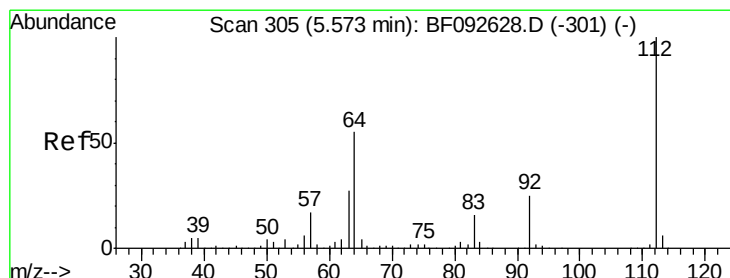
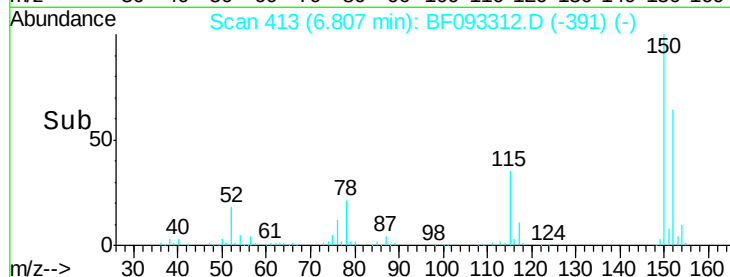
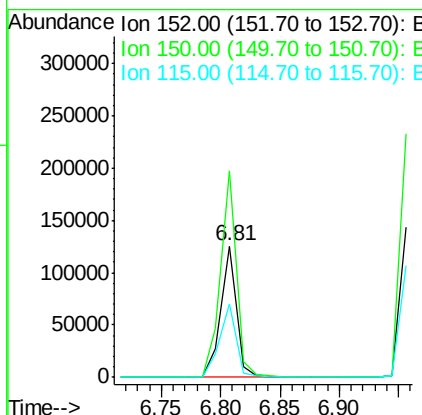
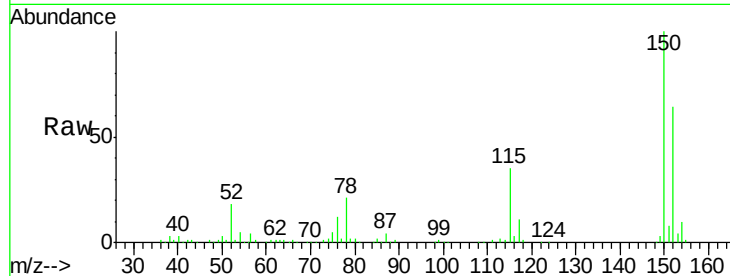




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093312.D
 Acq: 2 Mar 2017 1:53

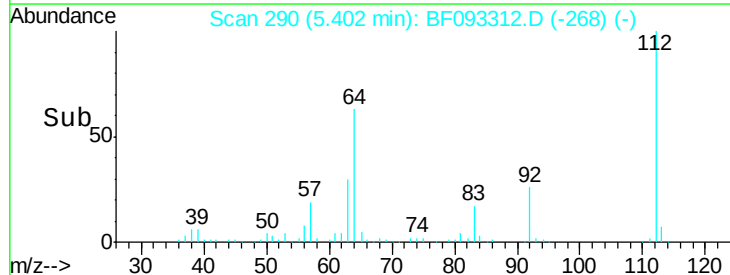
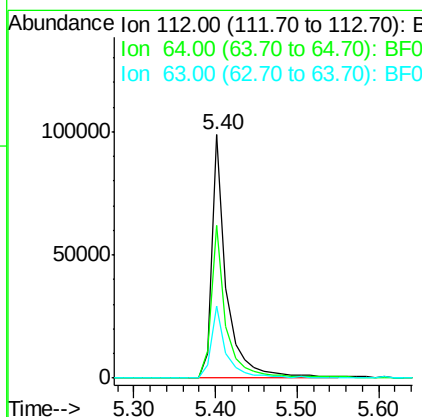
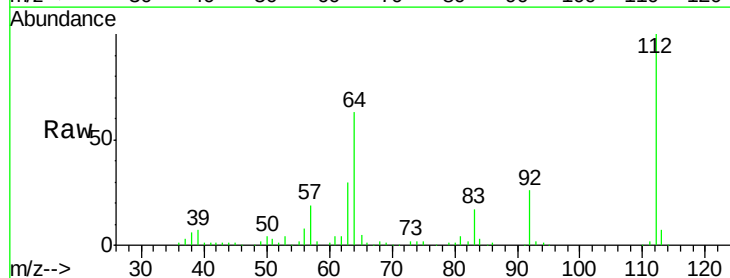
Instrument :
 BNA_F
 ClientSampleId :
 U-2

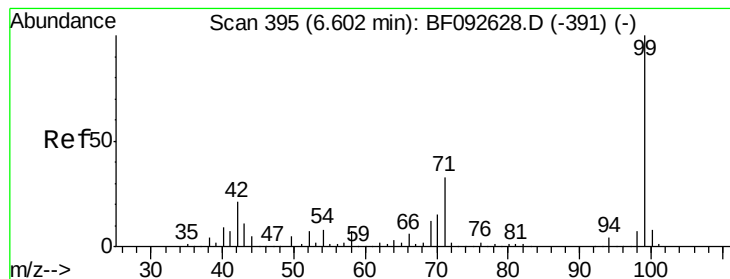
Tgt Ion:152 Resp: 114717
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.9 187.3
 115 55.7 46.0 69.0



#5
 2-Fluorophenol
 Concen: 18.75 ng
 RT: 5.40 min Scan# 290
 Delta R.T. -0.05 min
 Lab File: BF093312.D
 Acq: 2 Mar 2017 1:53

Tgt Ion:112 Resp: 125363
 Ion Ratio Lower Upper
 112 100
 64 62.8 46.1 69.1
 63 29.8 23.8 35.6





#7

Phenol-d6

Concen: 54.77 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

Instrument :

BNA_F

ClientSampleId :

U-2

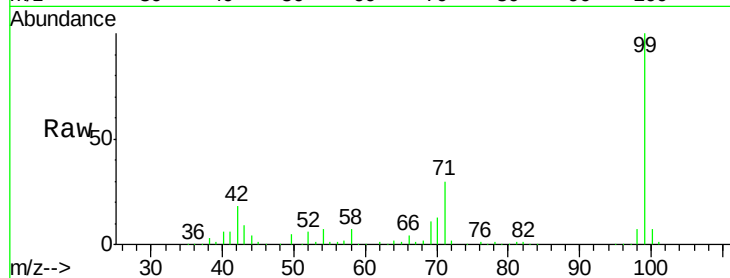
Tgt Ion: 99 Resp: 471183

Ion Ratio Lower Upper

99 100

42 17.6 15.6 23.4

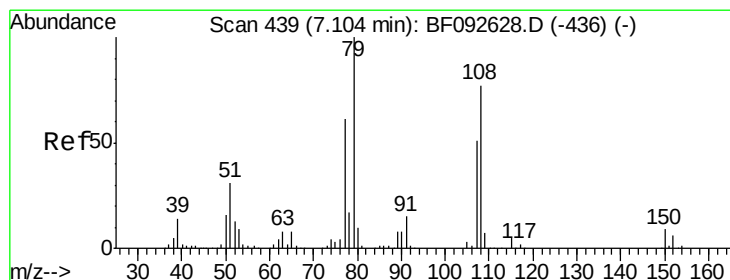
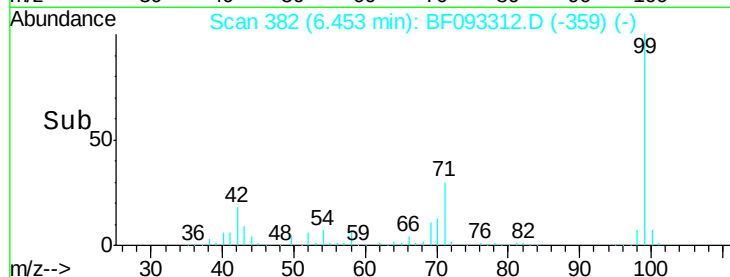
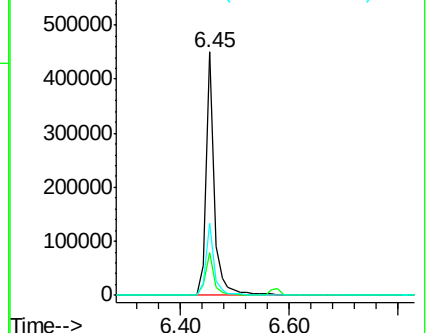
71 29.7 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

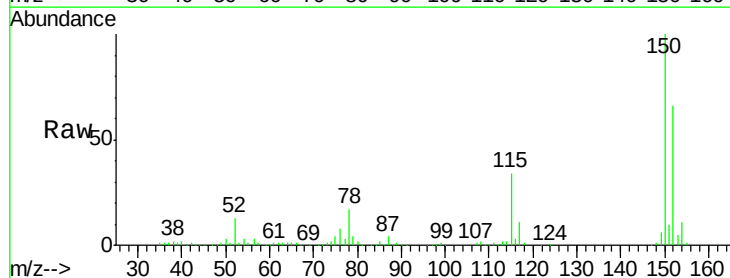
Tgt Ion: 79 Resp: 14244

Ion Ratio Lower Upper

79 100

108 56.4 61.4 92.0#

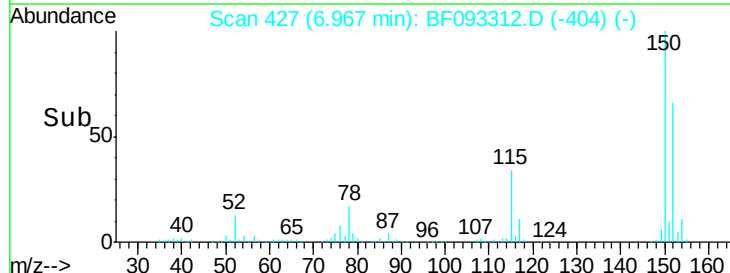
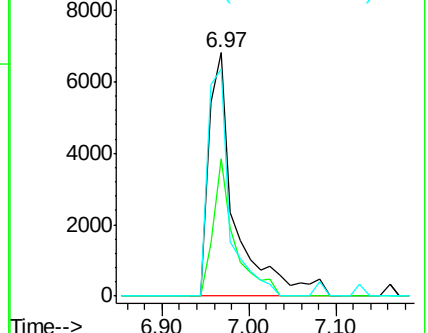
77 93.3 50.9 76.3#

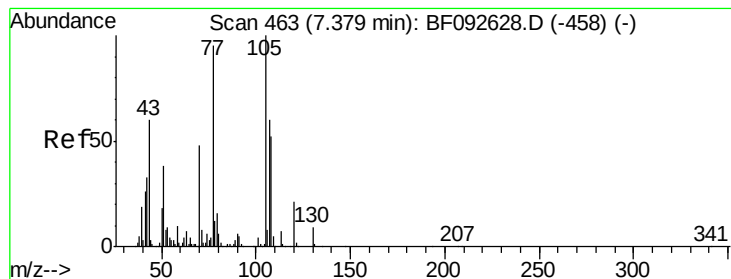


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 7.99 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

Instrument :

BNA_F

ClientSampleId :

U-2

Tgt Ion: 70 Resp: 43740

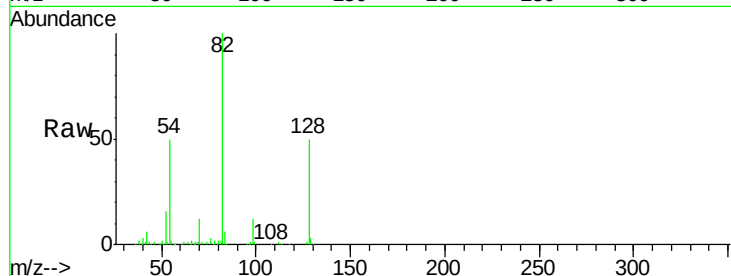
Ion Ratio Lower Upper

70 100

42 49.2 49.4 74.0#

101 0.0 7.4 11.2#

130 2.9 14.2 21.4#

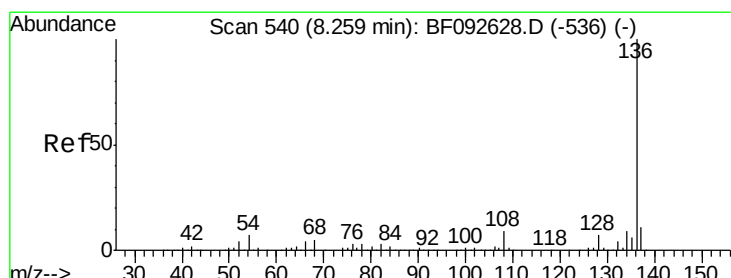
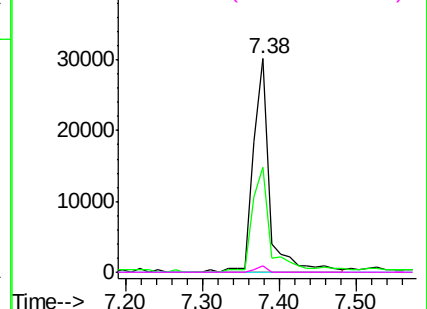
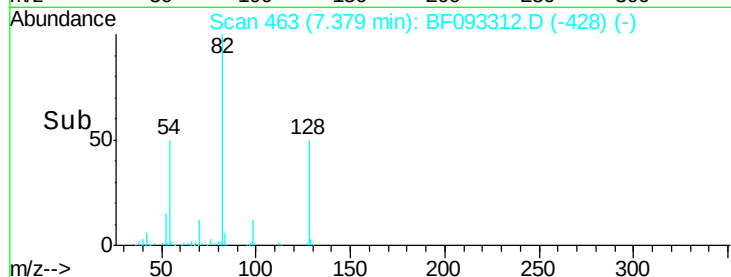


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

Tgt Ion: 136 Resp: 407787

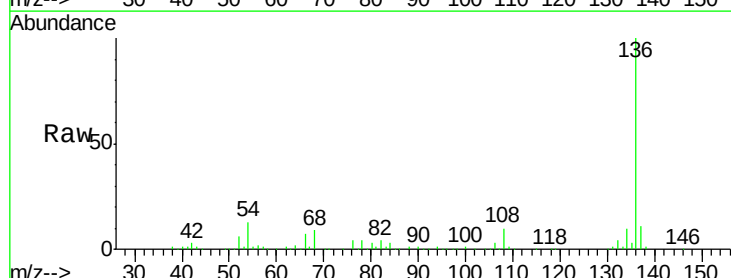
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 12.8 4.5 6.7#

68 8.6 3.6 5.4#

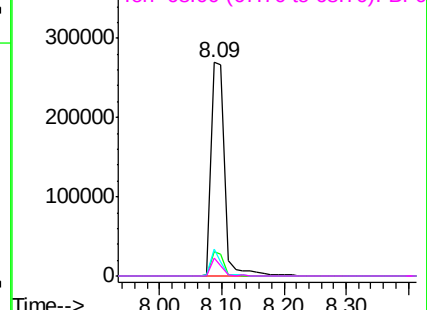
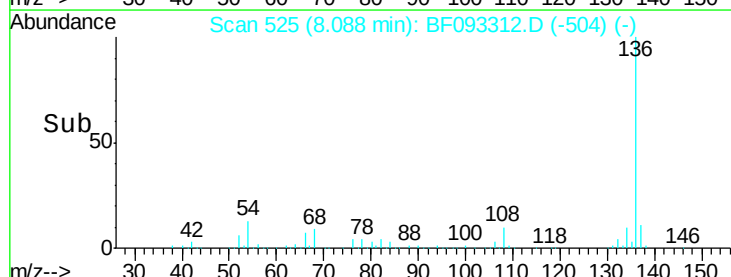


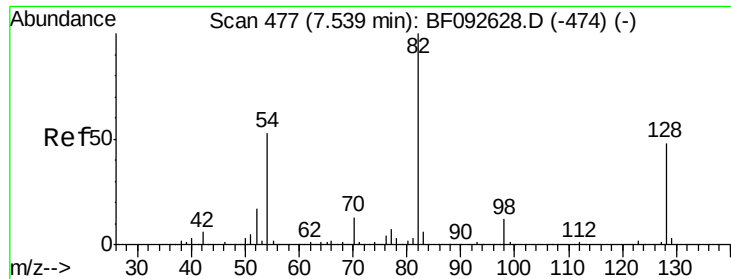
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

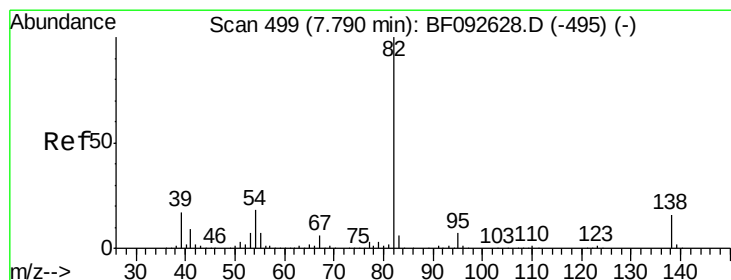
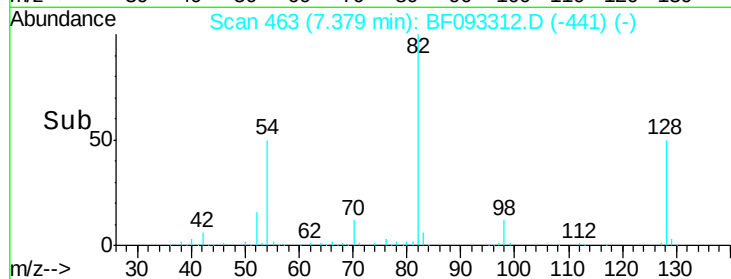
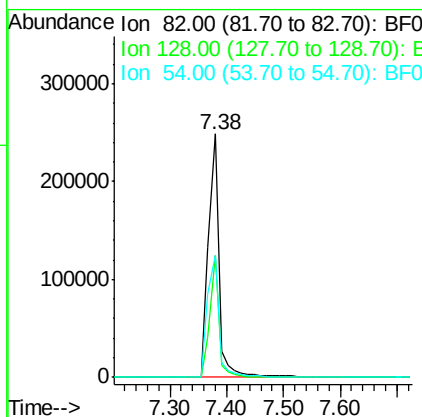
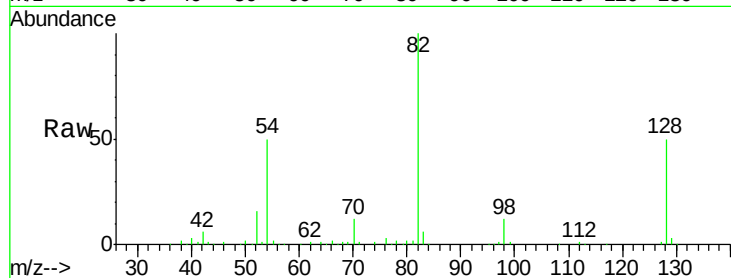




#23
Nitrobenzene-d5
Concen: 42.27 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

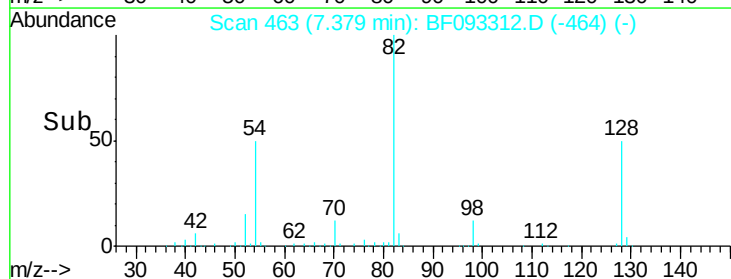
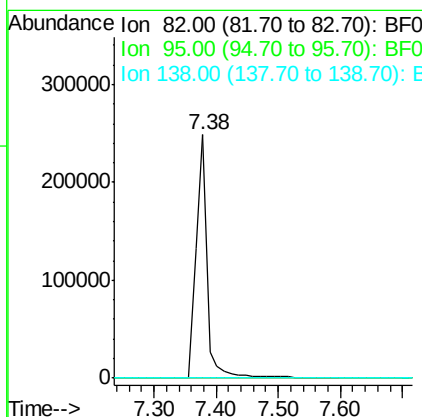
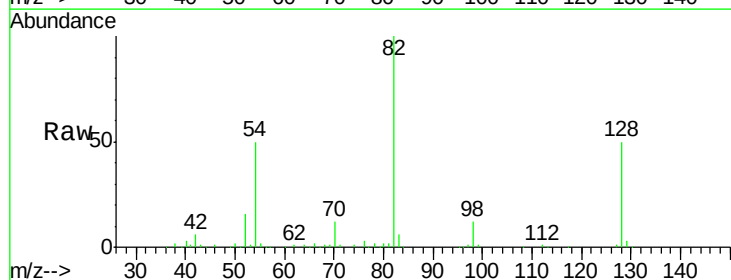
Instrument :
BNA_F
ClientSampleId :
U-2

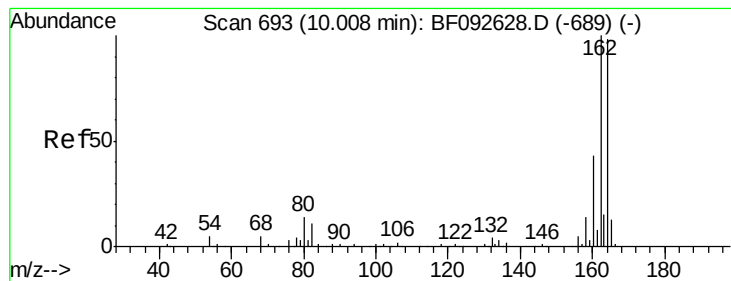
Tgt Ion: 82 Resp: 309533
Ion Ratio Lower Upper
82 100
128 50.1 34.6 52.0
54 50.2 39.5 59.3



#25
Isophorone
Concen: 22.27 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.31 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion: 82 Resp: 303826
Ion Ratio Lower Upper
82 100
95 0.2 5.6 8.4#
138 0.0 14.6 22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

Instrument :

BNA_F

ClientSampleId :

U-2

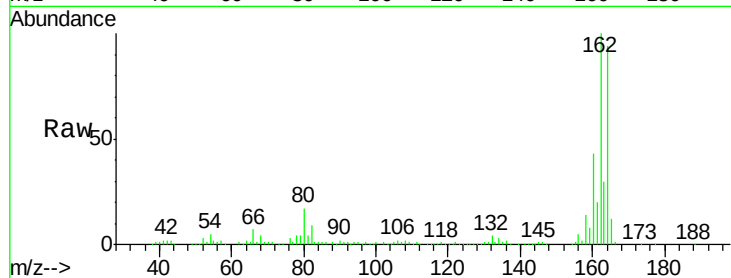
Tgt Ion:164 Resp: 170814

Ion Ratio Lower Upper

164 100

162 106.2 80.2 120.2

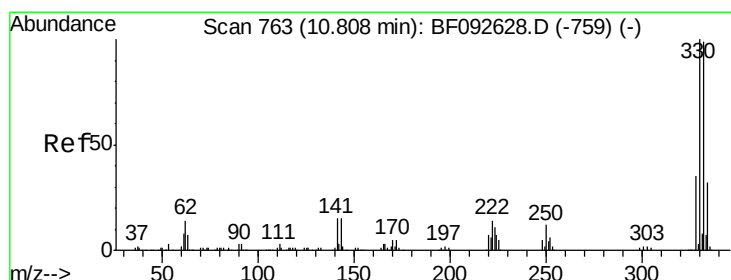
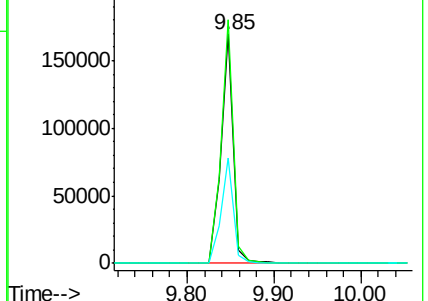
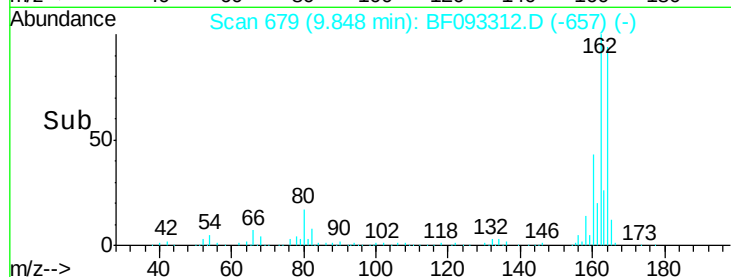
160 46.1 36.9 55.3



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: 8.23 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

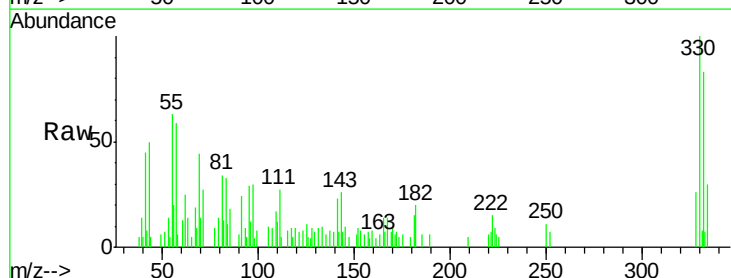
Tgt Ion:330 Resp: 10169

Ion Ratio Lower Upper

330 100

332 88.5 77.4 116.2

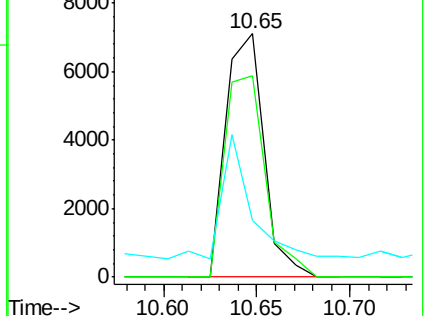
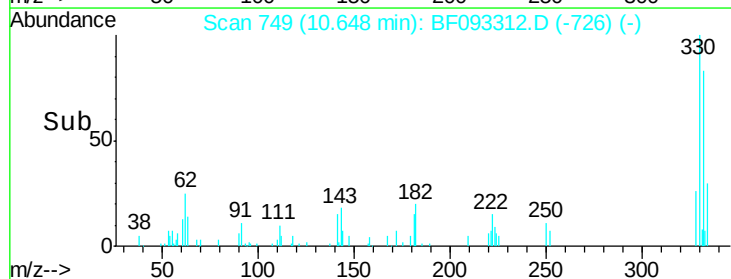
141 50.4 34.1 51.1

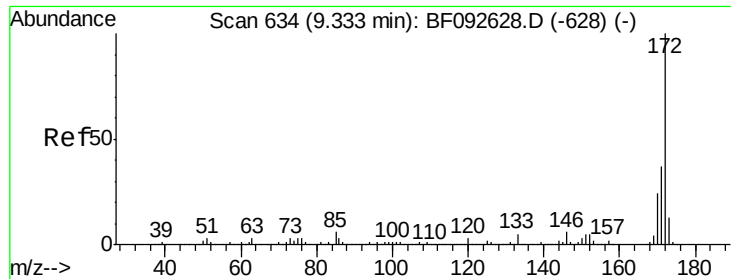


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

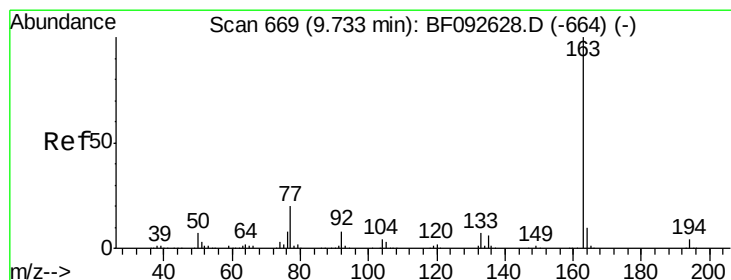
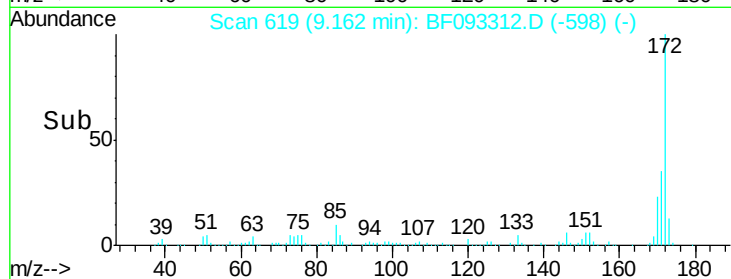
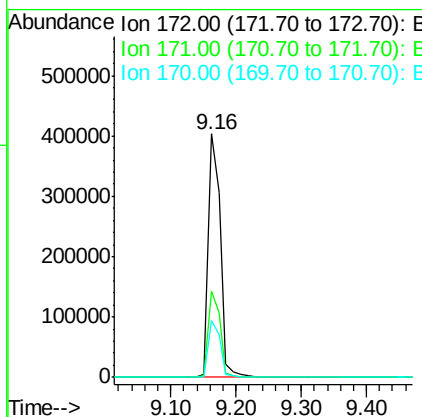
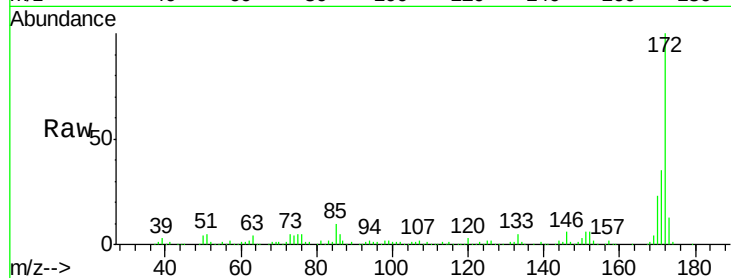




#44
 2-Fluorobiphenyl
 Concen: 55.30 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF093312.D
 Acq: 2 Mar 2017 1:53

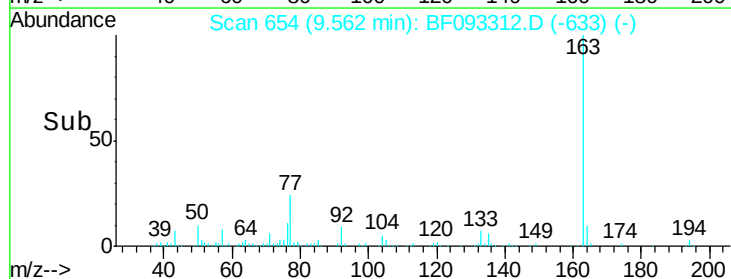
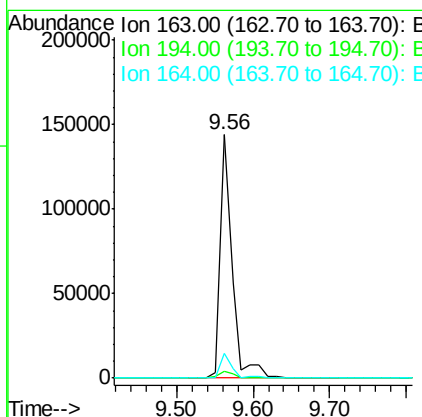
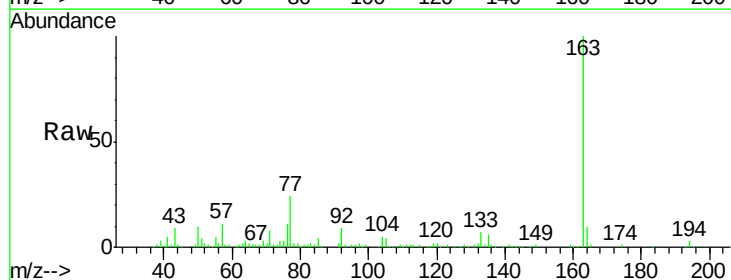
Instrument :
 BNA_F
 ClientSampled :
 U-2

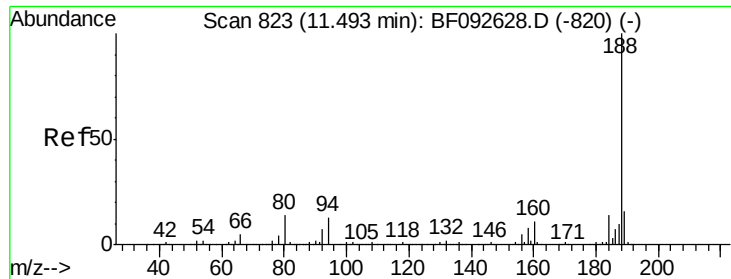
Tgt Ion:172 Resp: 521435
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.4 44.0
 170 23.4 20.2 30.4



#49
 Dimethylphthalate
 Concen: 13.66 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.06 min
 Lab File: BF093312.D
 Acq: 2 Mar 2017 1:53

Tgt Ion:163 Resp: 157202
 Ion Ratio Lower Upper
 163 100
 194 2.7 3.0 4.4#
 164 10.0 8.0 12.0

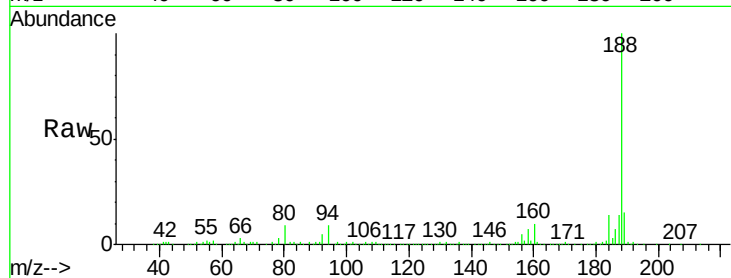




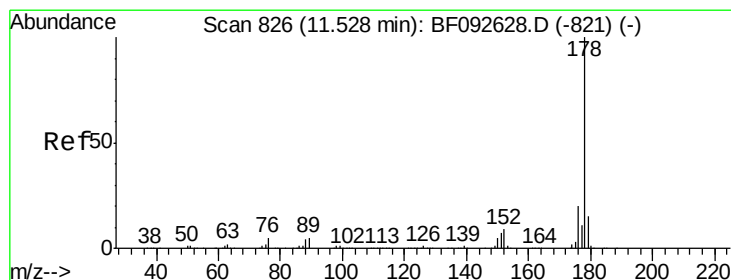
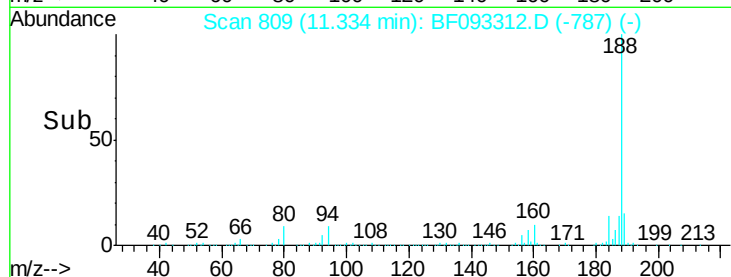
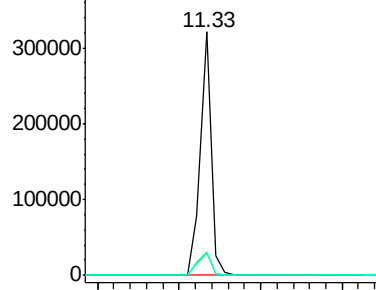
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Instrument :
BNA_F
ClientSampleId :
U-2

Tgt Ion:188 Resp: 297201
Ion Ratio Lower Upper
188 100
94 9.3 10.0 15.0#
80 9.5 11.2 16.8#

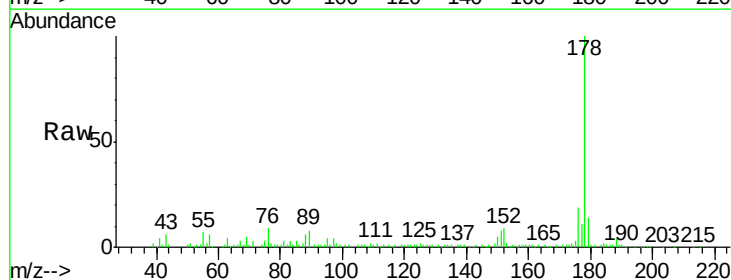


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

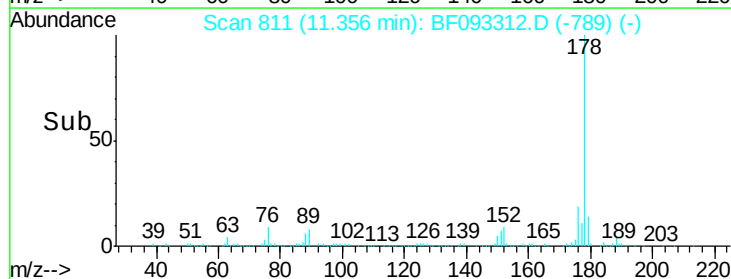
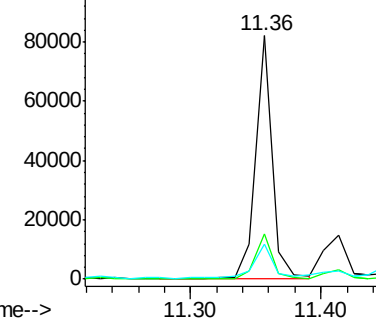


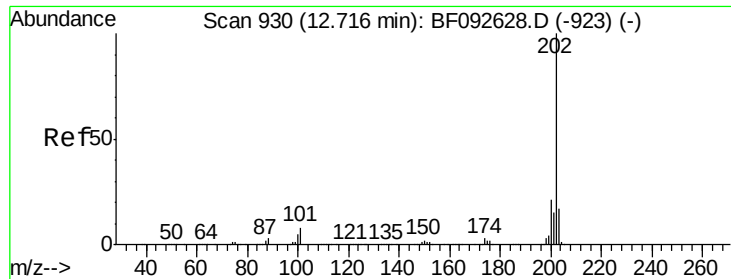
#70
Phenanthrene
Concen: 4.31 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion:178 Resp: 73324
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 14.5 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

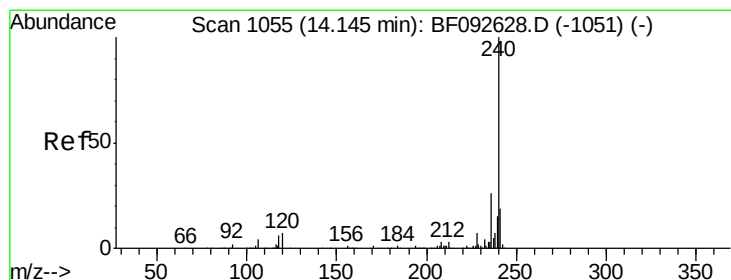
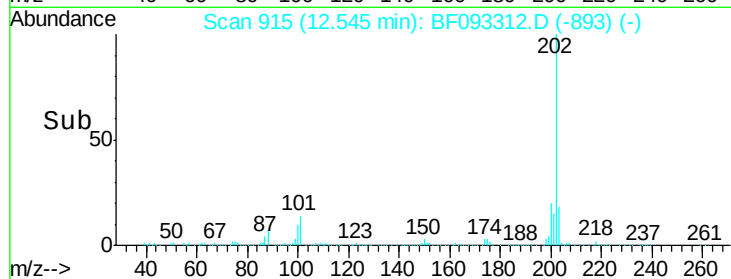
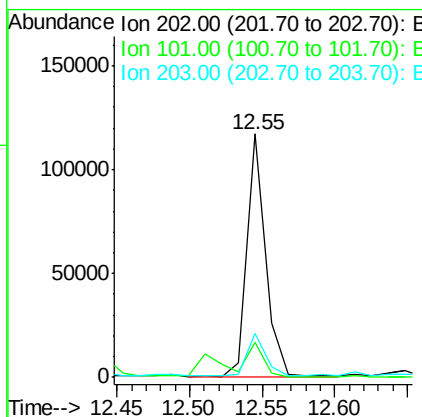
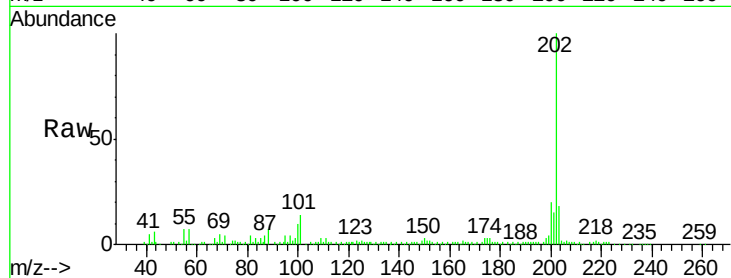




#74
 Fluoranthene
 Concen: 5.91 ng
 RT: 12.55 min Scan# 915
 Delta R.T. -0.05 min
 Lab File: BF093312.D
 Acq: 2 Mar 2017 1:53

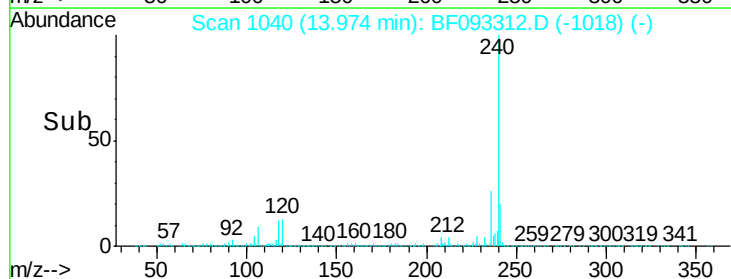
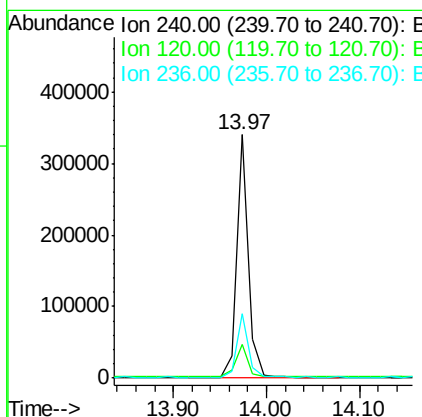
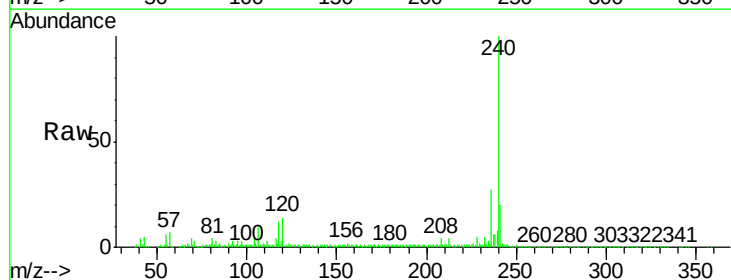
Instrument :
 BNA_F
 ClientSampleId :
 U-2

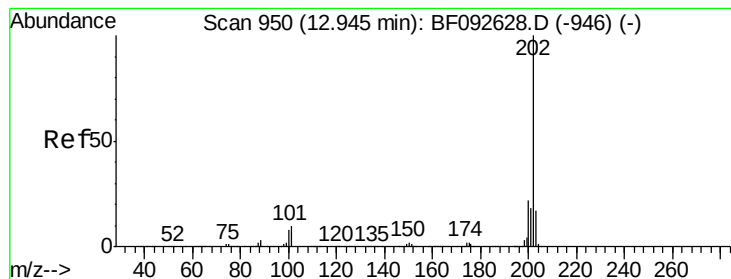
Tgt Ion:	202	Resp:	103871
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.6
203	18.0	0.0	38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF093312.D
 Acq: 2 Mar 2017 1:53

Tgt Ion:	240	Resp:	296181
Ion	Ratio	Lower	Upper
240	100		
120	13.7	12.9	19.3
236	26.5	20.9	31.3





#77

Pyrene

Concen: 4.95 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

Instrument :

BNA_F

ClientSampleId :

U-2

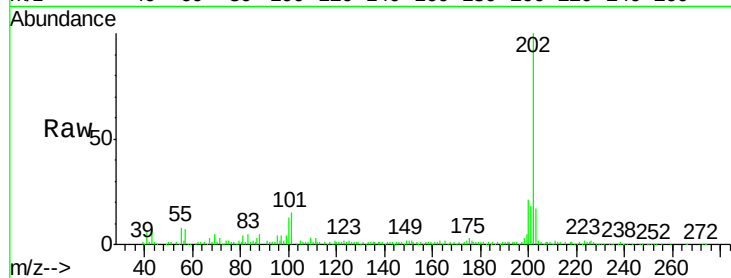
Tgt Ion: 202 Resp: 109668

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

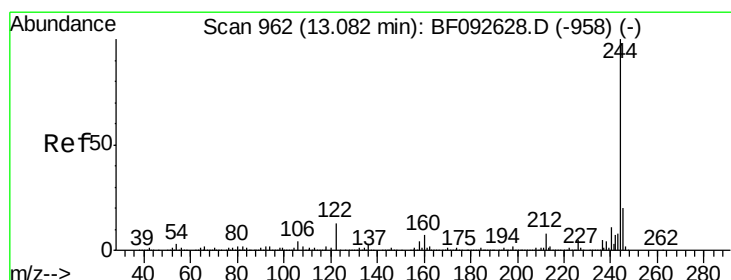
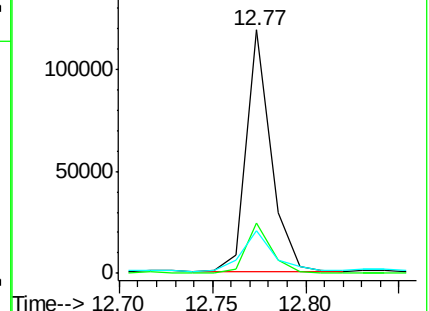
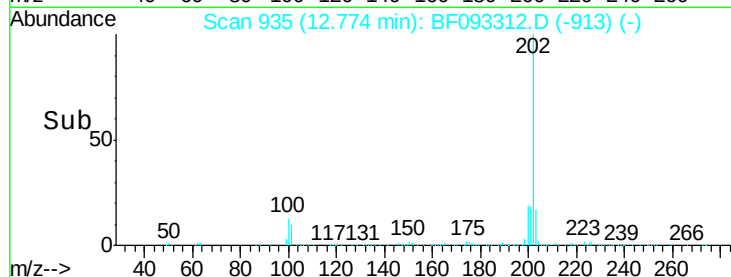
203 17.5 14.7 22.1



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: 34.53 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

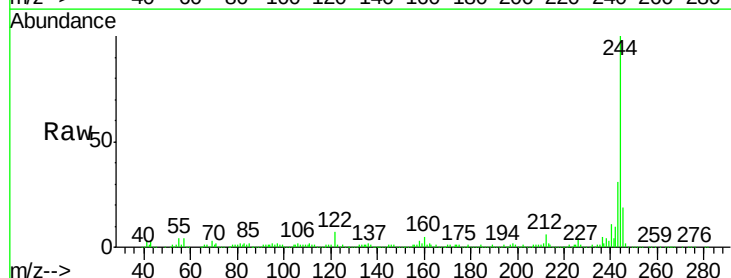
Tgt Ion: 244 Resp: 435278

Ion Ratio Lower Upper

244 100

212 6.1 6.2 9.2#

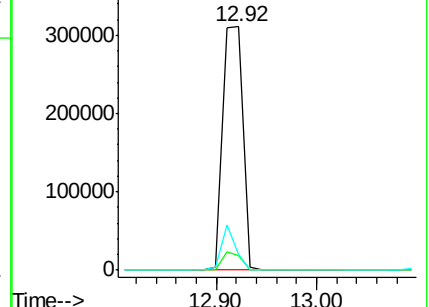
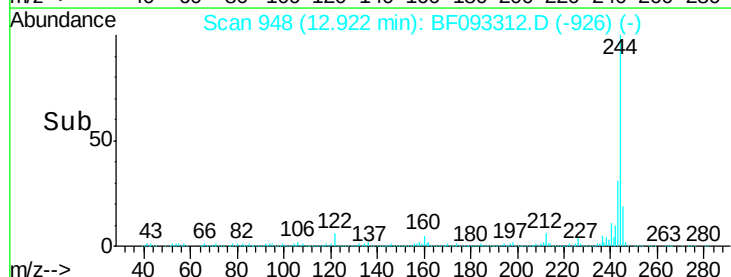
122 6.6 11.4 17.2#

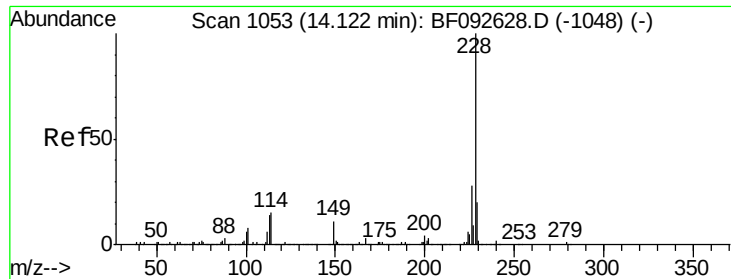


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.43 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

Instrument :

BNA_F

ClientSampleId :

U-2

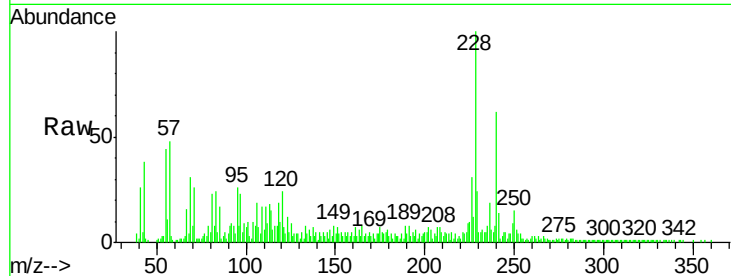
Tgt Ion:228 Resp: 62124

Ion Ratio Lower Upper

228 100

226 31.2 22.4 33.6

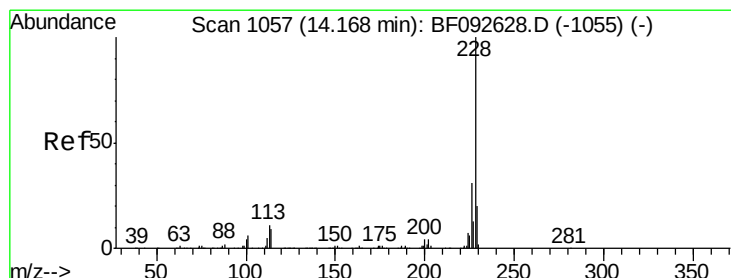
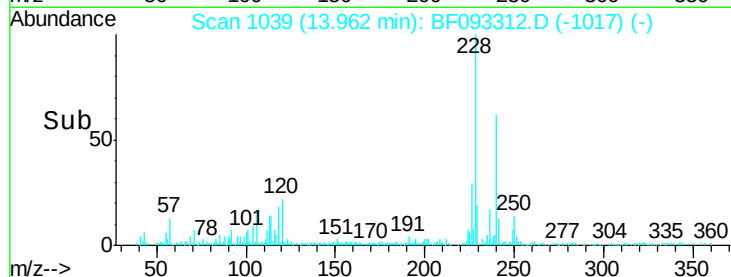
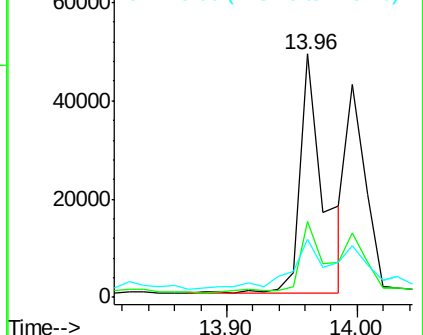
229 24.0 16.2 24.4



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: 3.66 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.08 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

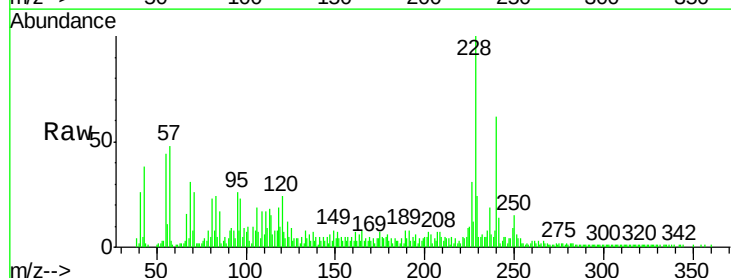
Tgt Ion:228 Resp: 62124

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

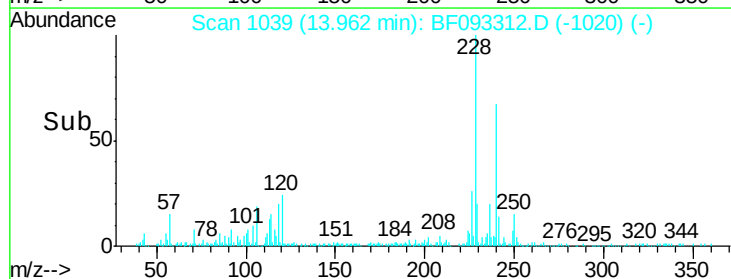
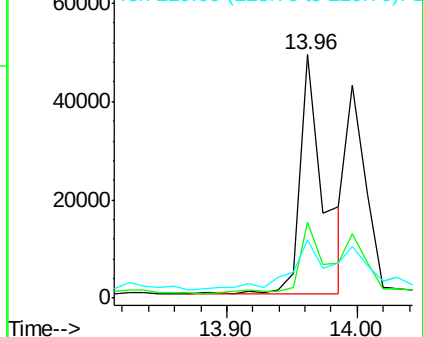
229 24.0 16.2 24.2

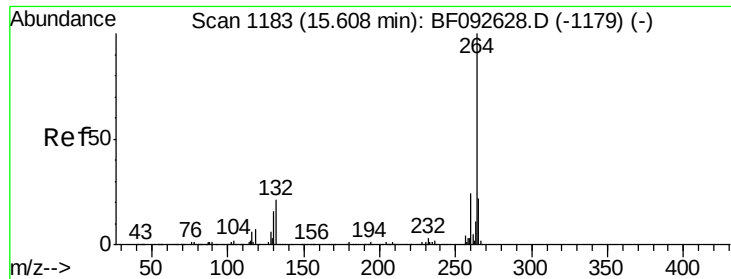


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



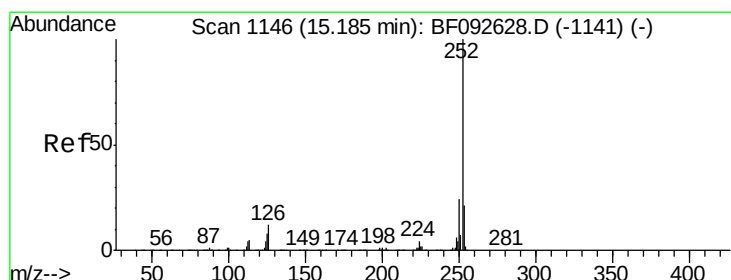
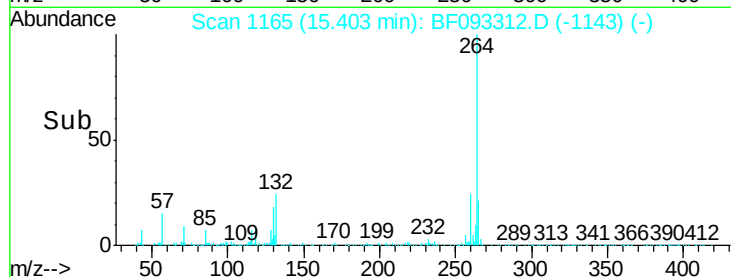
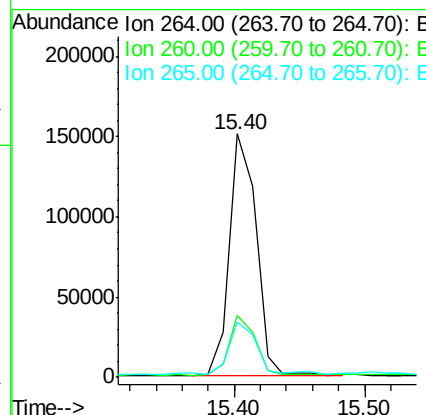
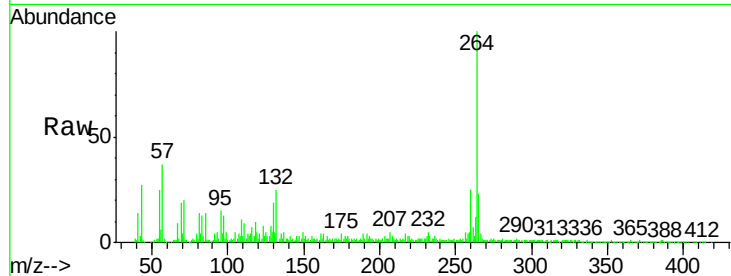


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Instrument :
BNA_F
ClientSampleId :
U-2

Tgt Ion: 264 Resp: 214971

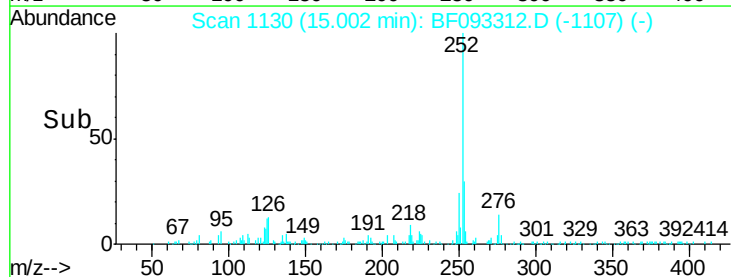
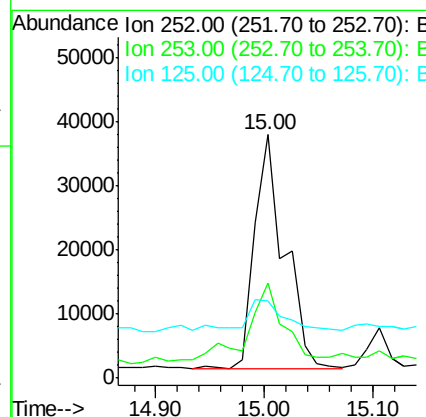
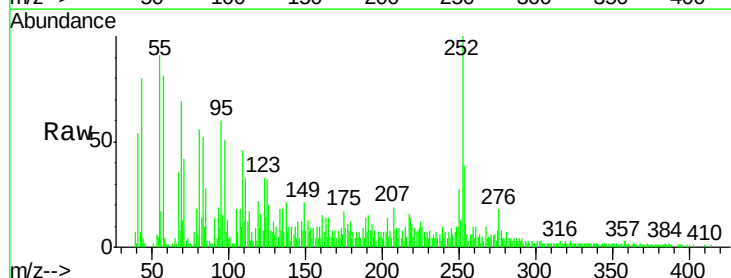
Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	22.6	17.4	26.0

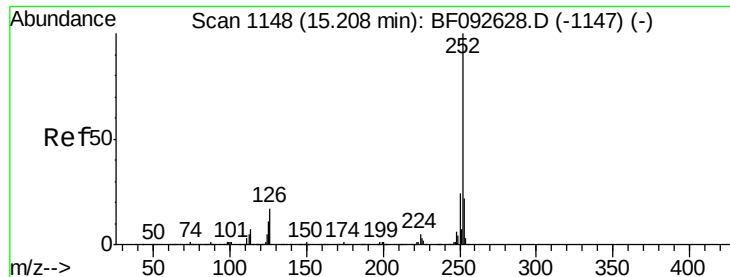


#87
Benzo(b)fluoranthene
Concen: 4.91 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093312.D
Acq: 2 Mar 2017 1:53

Tgt Ion: 252 Resp: 69521

Ion	Ratio	Lower	Upper
252	100		
253	38.9	18.2	27.4#
125	31.5	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 5.69 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

Instrument :

BNA_F

ClientSampleId :

U-2

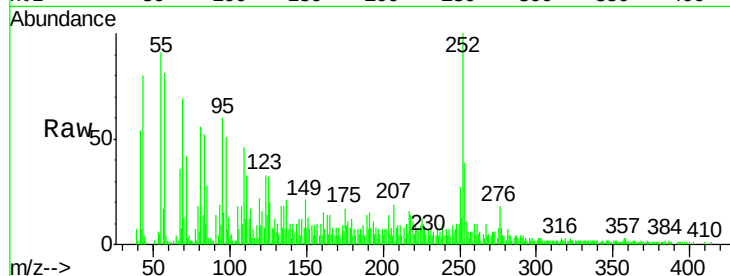
Tgt Ion:252 Resp: 69521

Ion Ratio Lower Upper

252 100

253 38.9 18.5 27.7#

125 31.5 8.9 13.3#

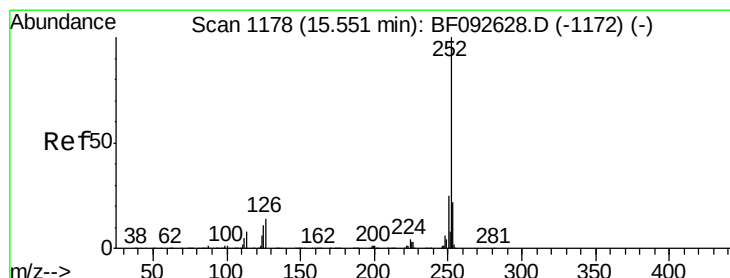
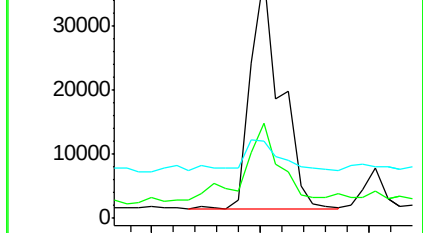
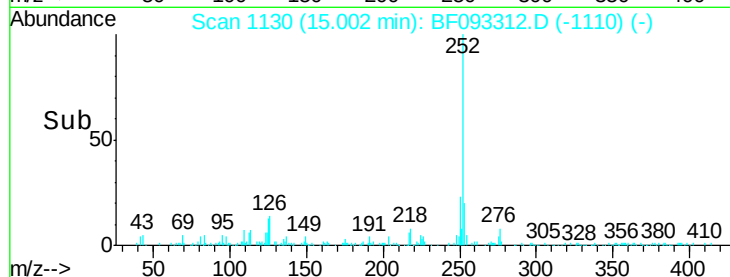


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#89

Benzo(a)pyrene

Concen: 3.01 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BF093312.D

Acq: 2 Mar 2017 1:53

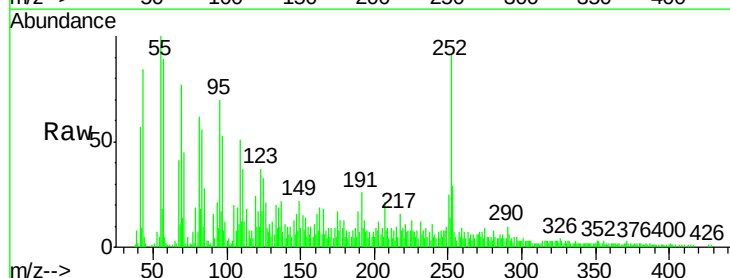
Tgt Ion:252 Resp: 36900

Ion Ratio Lower Upper

252 100

253 31.5 18.2 27.2#

125 35.8 10.0 15.0#

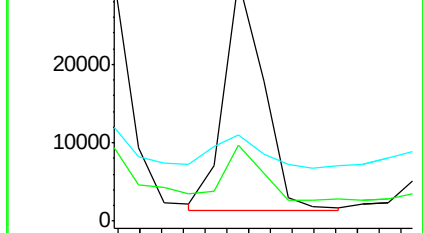
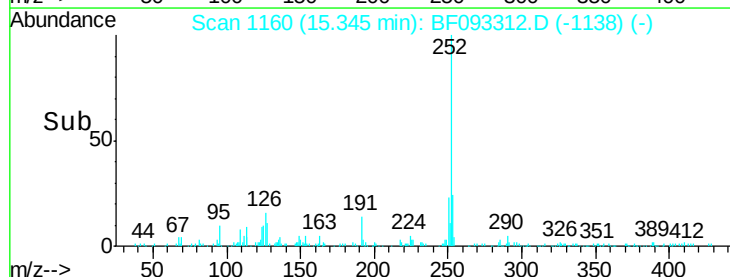


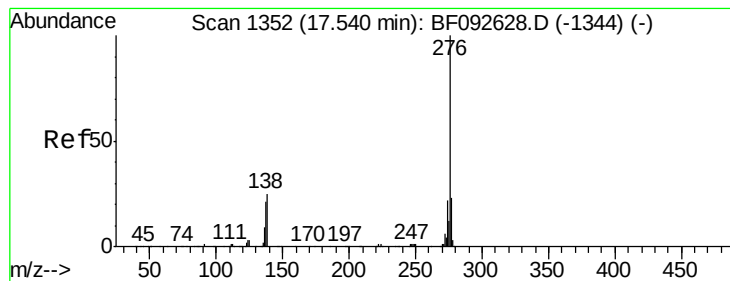
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#91

Benzo(g,h,i)perylene

Concen: 2.18 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.06 min

Lab File: BF093312.D

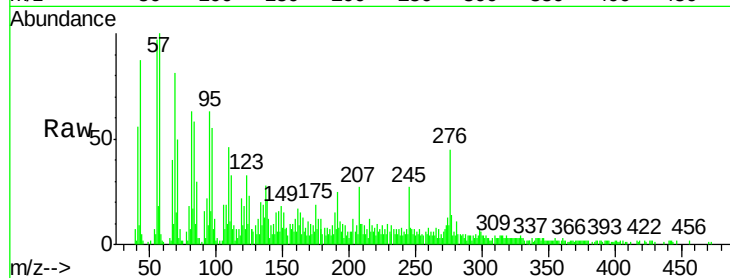
Acq: 2 Mar 2017 1:53

Instrument :

BNA_F

ClientSampleId :

U-2



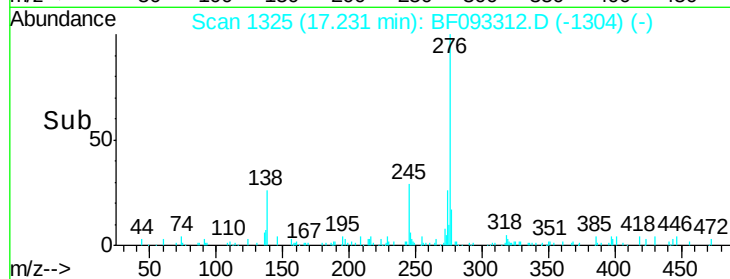
Tgt Ion: 276 Resp: 21829

Ion Ratio Lower Upper

276 100

277 30.0 19.2 28.8#

138 45.7 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

