

Data File : BF093002.D
Acq On : 17 Feb 2017 1:00
Operator : SJ/MA
Sample : I1875-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-30-20170215

Quant Time: Feb 17 02:16:14 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 16 23:55:37 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	138855	20.00	ng	0.01
21) Naphthalene-d8	8.14	136	482360	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	237447	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	352553	20.00	ng	0.00
75) Chrysene-d12	14.02	240	307891	20.00	ng	0.00
86) Perylene-d12	15.45	264	250594	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1224231	151.26	ng	0.02
7) Phenol-d6	6.51	99	1450654	139.30	ng	0.01
23) Nitrobenzene-d5	7.42	82	650507	75.10	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	148356	86.39	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	1543471	117.76	ng	0.01
78) Terphenyl-d14	12.97	244	1035499	79.02	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.52	94	31227	2.56	ng	# 73
15) Benzyl Alcohol	7.02	79	17548	2.28	ng	# 31
25) Isophorone	7.42	82	626102	38.79	ng	# 65
32) Benzoic acid	7.95	122	249	7.22	ng	# 33
49) Dimethylphthalate	9.62	163	358629	22.42	ng	99
64) 4,6-Dinitro-2-methylphenol	10.68	198	313	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	10803	2.93	ng	# 1
70) Phenanthrene	11.40	178	196723	9.74	ng	97
71) Anthracene	11.46	178	48659	2.40	ng	97
74) Fluoranthene	12.59	202	291536	13.99	ng	98
77) Pyrene	12.82	202	287020	12.46	ng	98
80) Benzo(a)anthracene	14.01	228	154425	8.20	ng	97
82) Chrysene	14.04	228	103050	5.84	ng	97
85) Indeno(1,2,3-cd)pyrene	16.85	276	64714	4.74	ng	97
87) Benzo(b)fluoranthene	15.04	252	195495	11.85	ng	# 88
88) Benzo(k)fluoranthene	15.04	252	195495	13.73	ng	# 87
89) Benzo(a)pyrene	15.39	252	102457	7.18	ng	# 89
91) Benzo(g,h,i)perylene	17.28	276	59722	5.13	ng	# 81

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

Data File : BF093002.D

Acq On : 17 Feb 2017 1:00

Operator : SJ/MA

Sample : I1875-01

Misc :

ALS Vial : 20 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

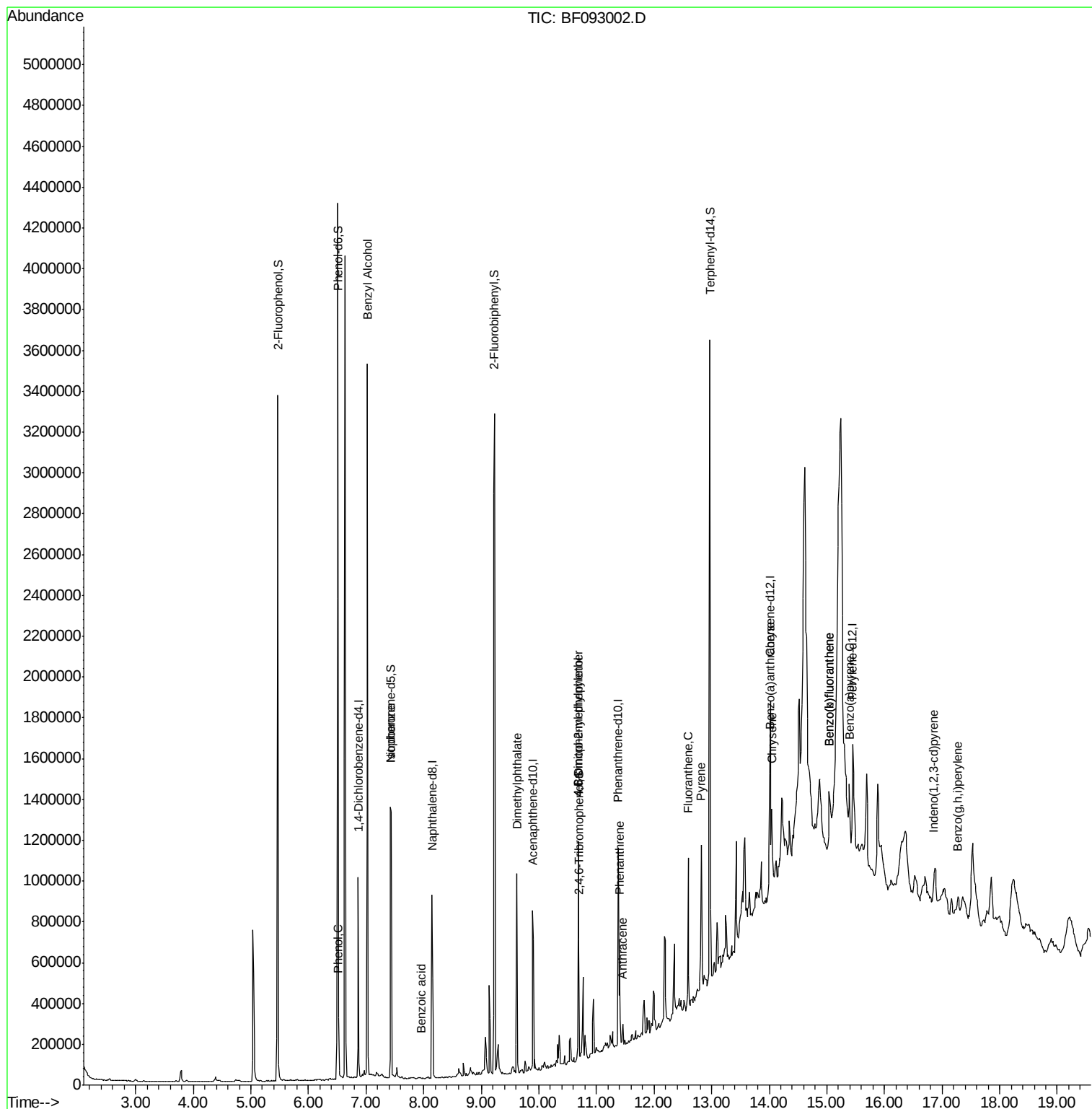
Quant Time: Feb 17 02:16:14 2017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Feb 16 23:55:37 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

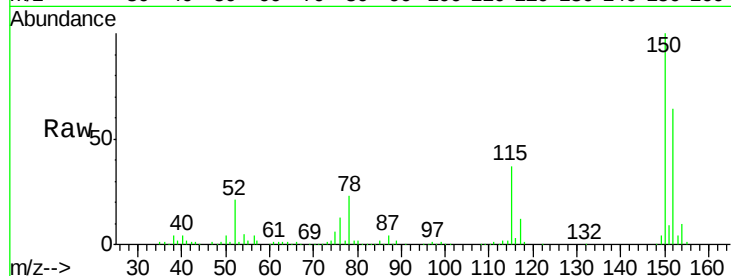
Tgt Ion:152 Resp: 138855

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

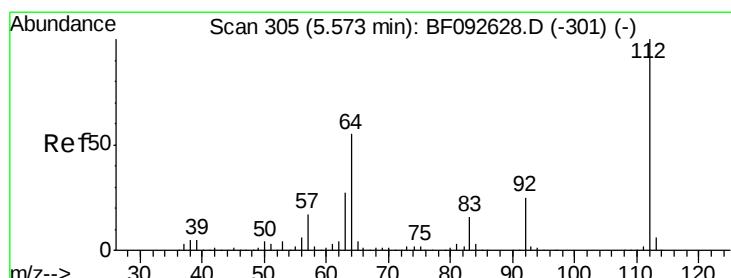
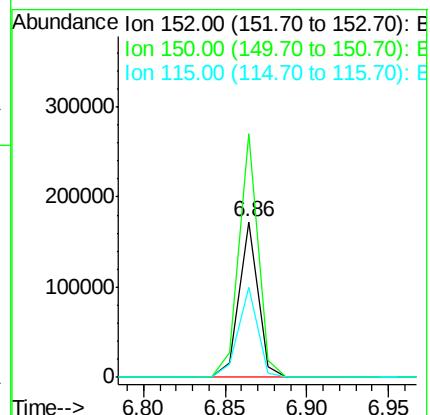
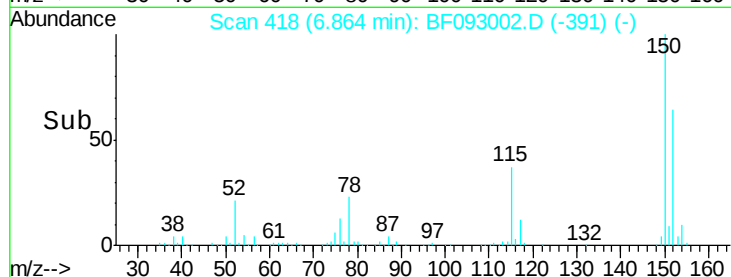
115 58.1 46.0 69.0



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: 151.26 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.02 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

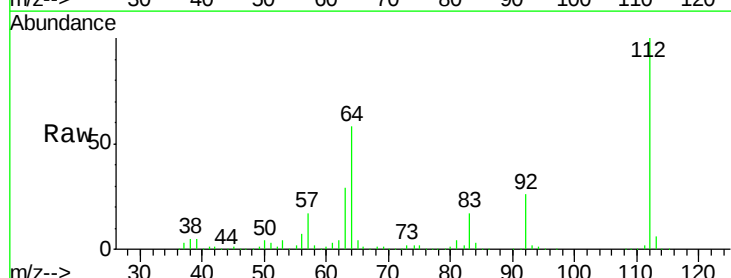
Tgt Ion:112 Resp: 1224231

Ion Ratio Lower Upper

112 100

64 57.9 46.1 69.1

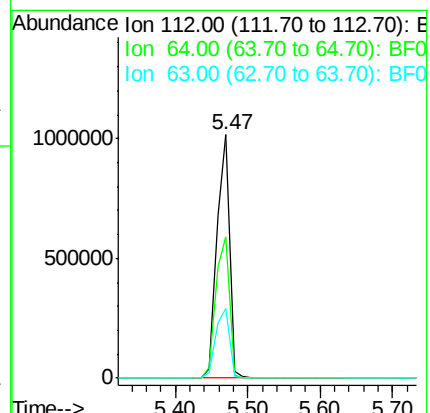
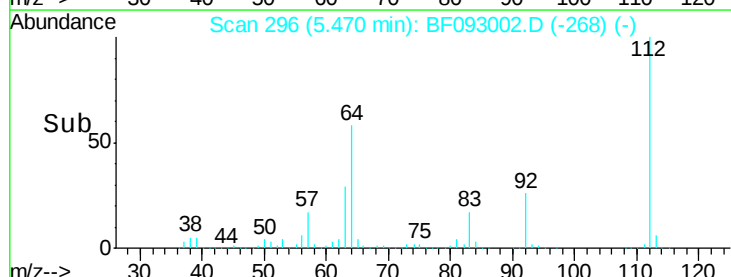
63 28.7 23.8 35.6



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: 139.30 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

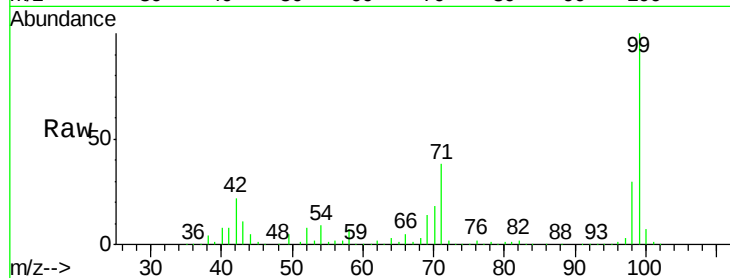
Tgt Ion: 99 Resp: 1450654

Ion Ratio Lower Upper

99 100

42 21.5 15.6 23.4

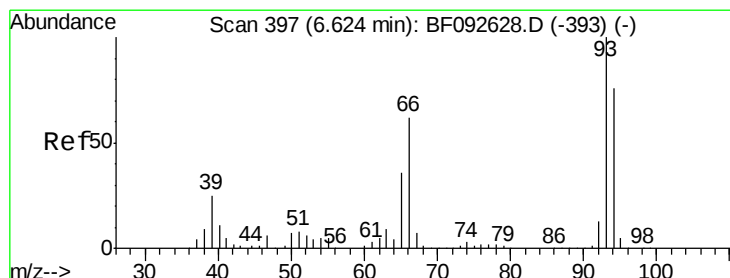
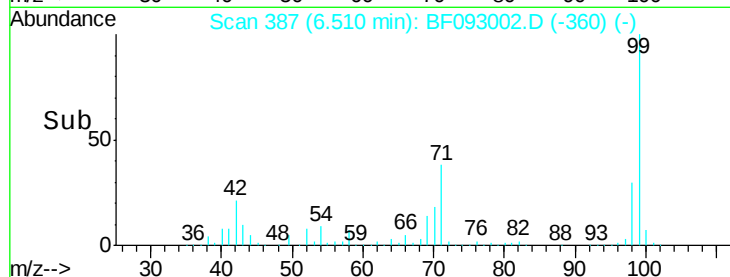
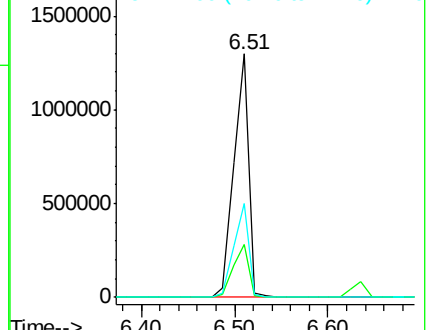
71 38.4 27.5 41.3



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



#10

Phenol

Concen: 2.56 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

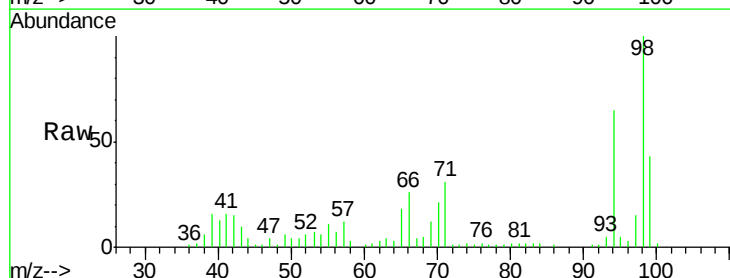
Tgt Ion: 94 Resp: 31227

Ion Ratio Lower Upper

94 100

65 27.8 21.4 61.4

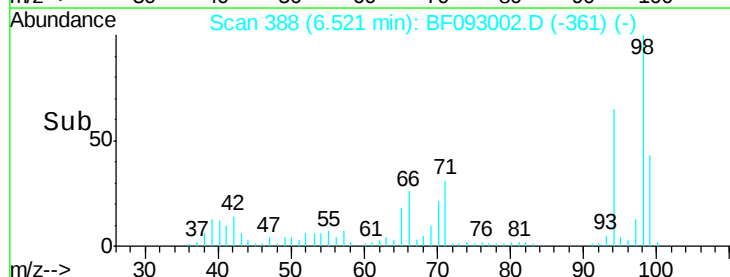
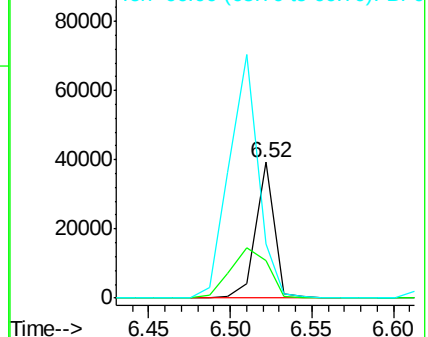
66 39.7 44.0 84.0#

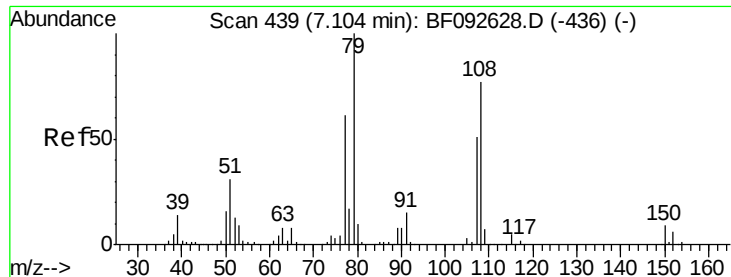


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 7.02 min Scan# 432

Delta R.T. 0.02 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

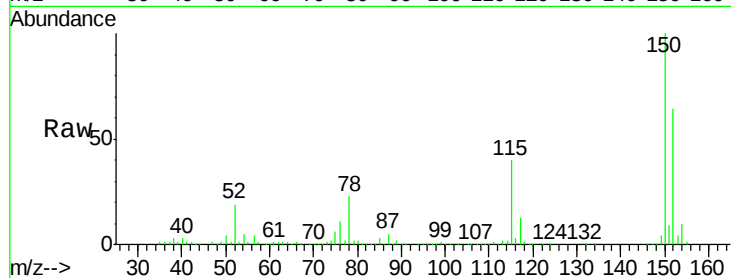
Tgt Ion: 79 Resp: 17548

Ion Ratio Lower Upper

79 100

108 31.0 61.4 92.0#

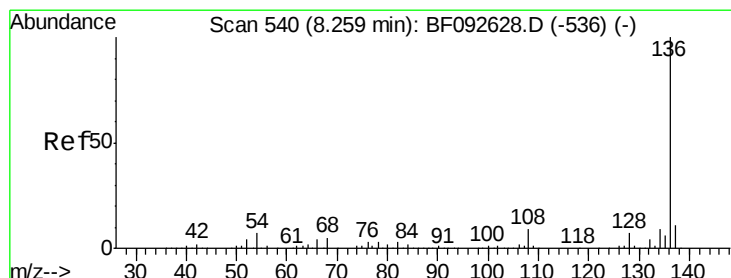
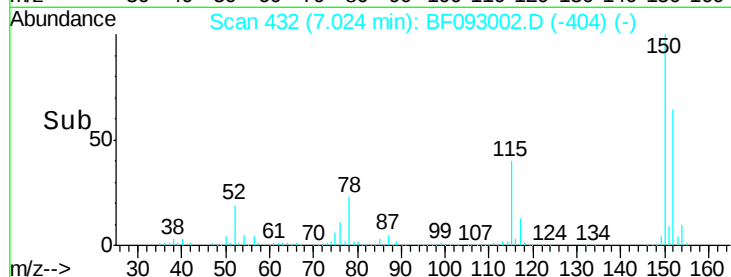
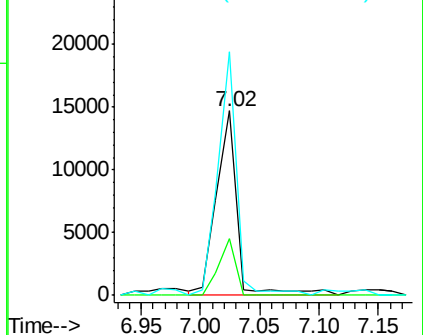
77 132.0 50.9 76.3#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Tgt Ion: 136 Resp: 482360

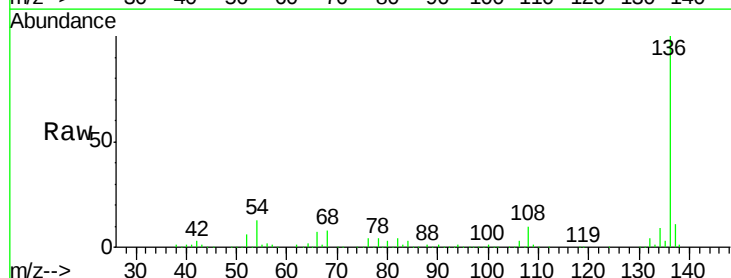
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 12.8 4.5 6.7#

68 8.3 3.6 5.4#

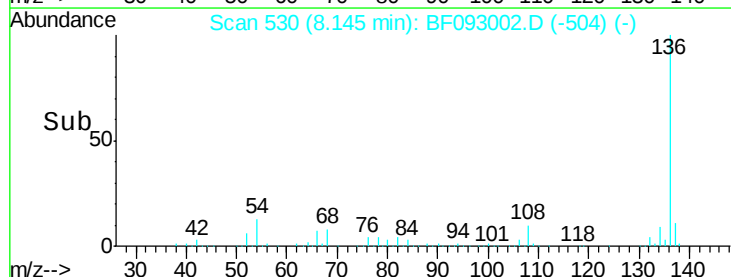
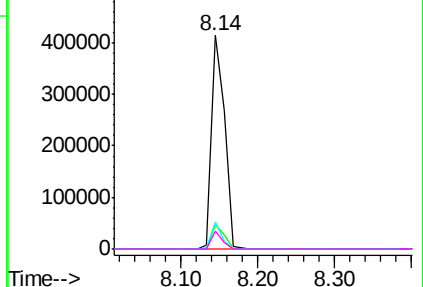


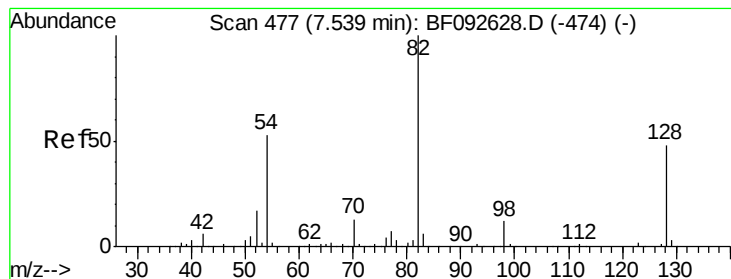
Abundance Ion 136.00 (135.70 to 136.70): BF0

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: 75.10 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

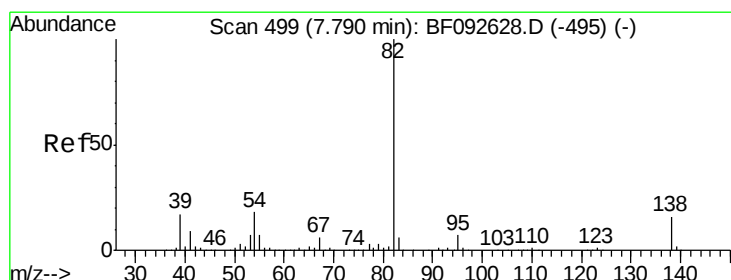
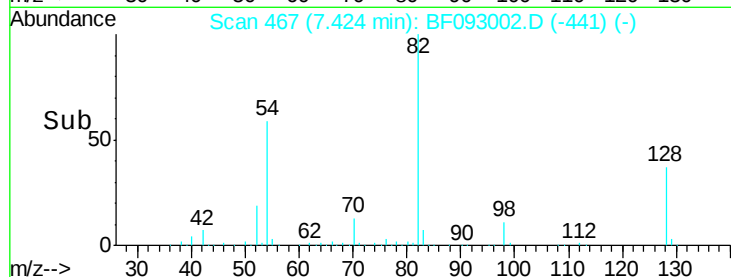
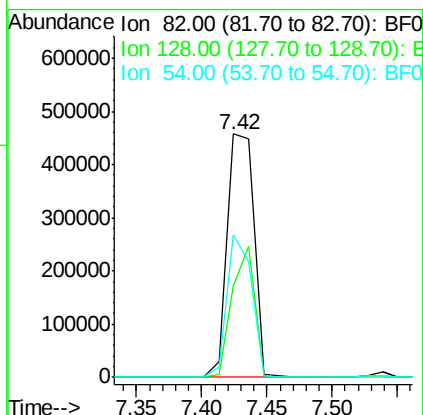
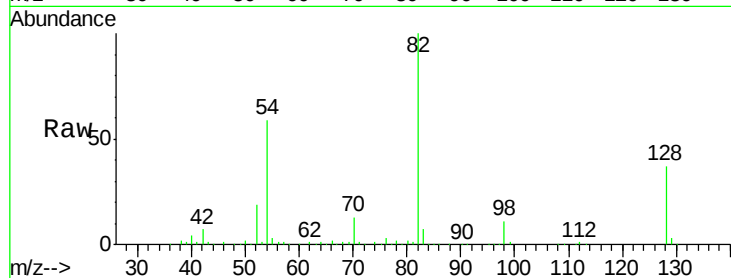
Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

Tgt Ion:	82	Resp:	650507
Ion Ratio	Lower	Upper	
82	100		
128	37.5	34.6	52.0
54	58.7	39.5	59.3



#25

Isophorone

Concen: 38.79 ng

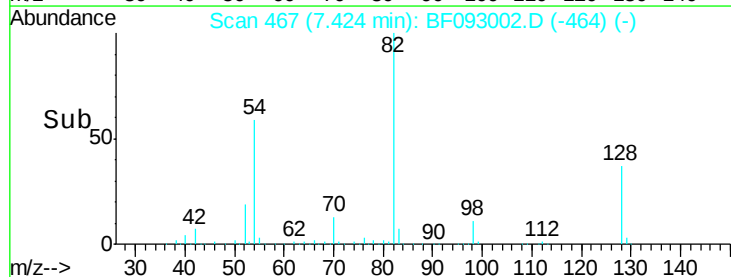
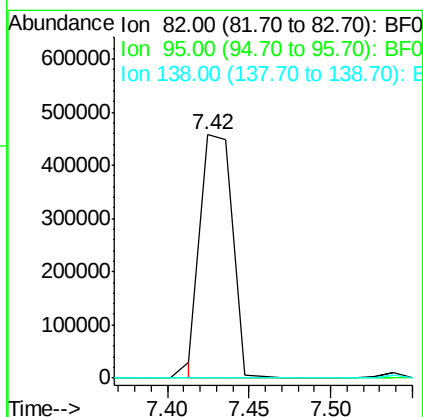
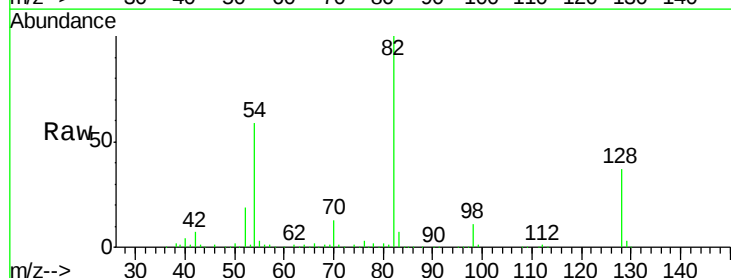
RT: 7.42 min Scan# 467

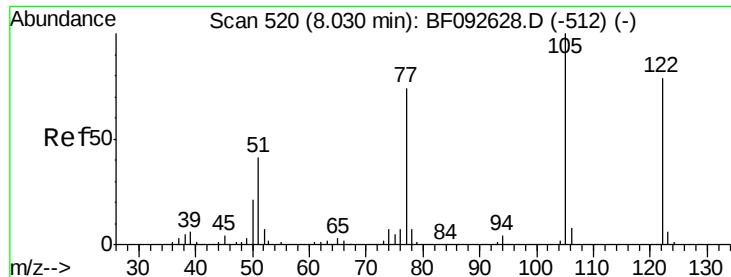
Delta R.T. -0.26 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Tgt Ion:	82	Resp:	626102
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.6	8.4#
138	0.0	14.6	22.0#





#32

Benzoic acid

Concen: 7.22 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

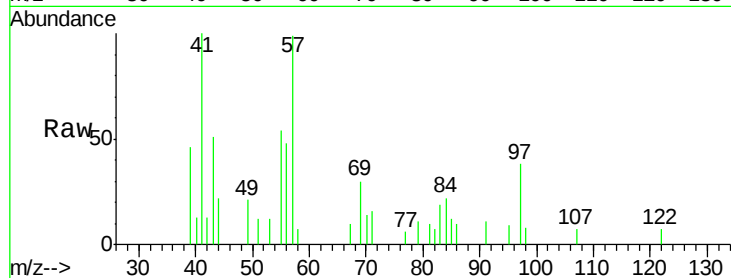
Tgt Ion:122 Resp: 249

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

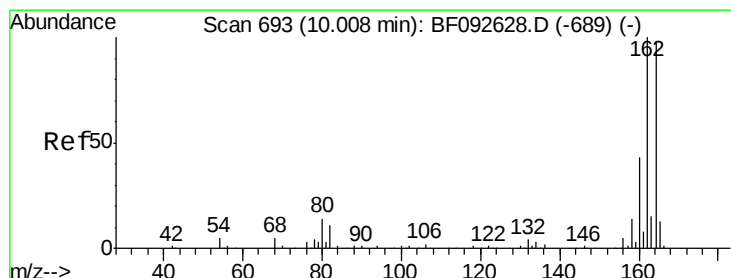
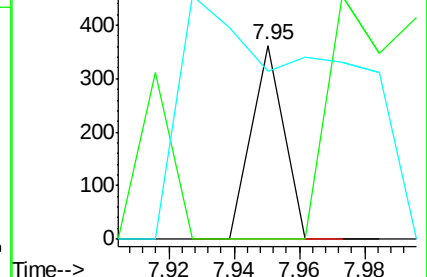
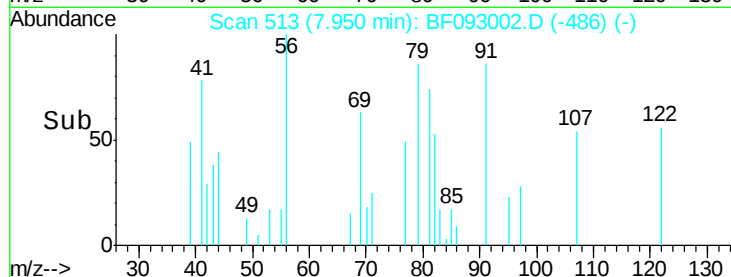
77 86.8 74.5 114.5



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

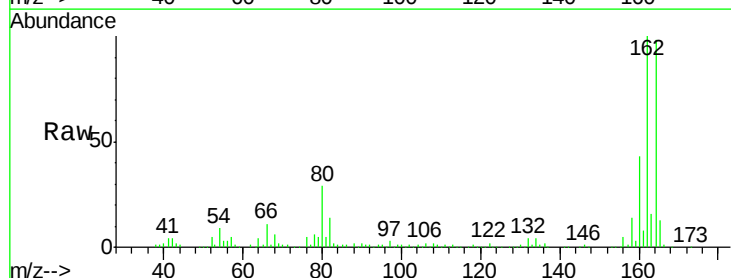
Tgt Ion:164 Resp: 237447

Ion Ratio Lower Upper

164 100

162 102.4 80.2 120.2

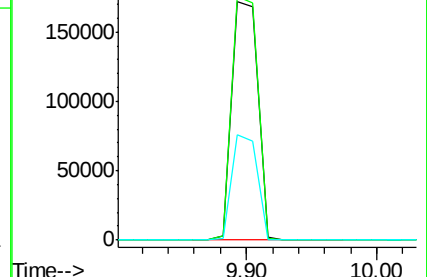
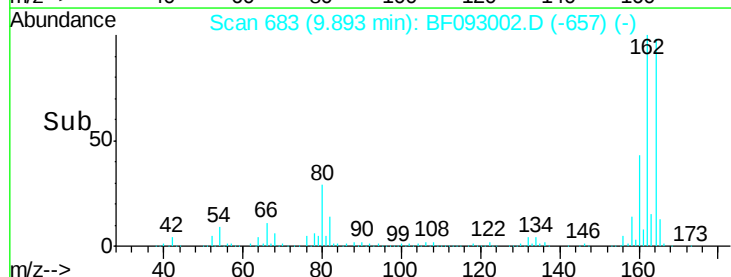
160 44.4 36.9 55.3

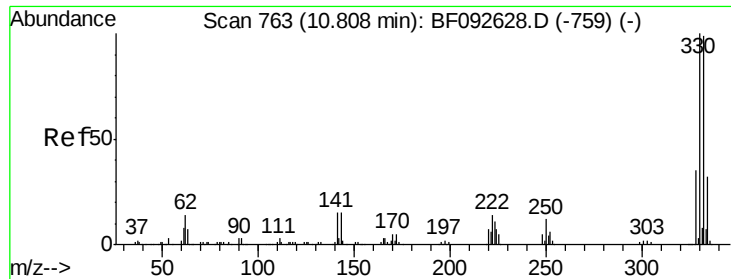


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

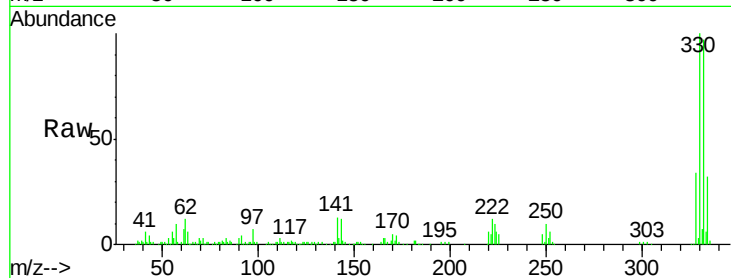




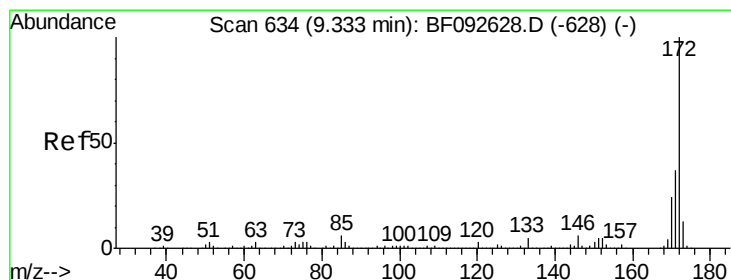
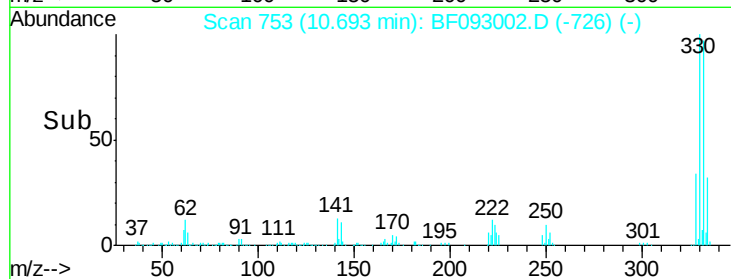
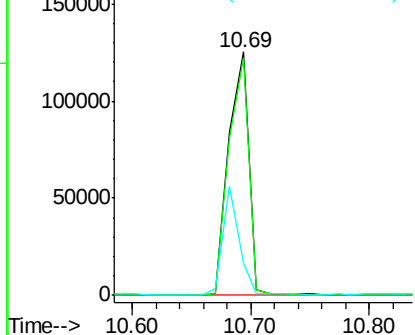
#41
 2,4,6-Tribromophenol
 Concen: 86.39 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-30-20170215

Tgt Ion:330 Resp: 148356
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 35.2 34.1 51.1

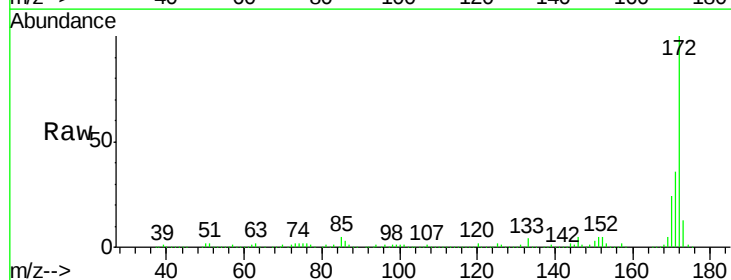


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

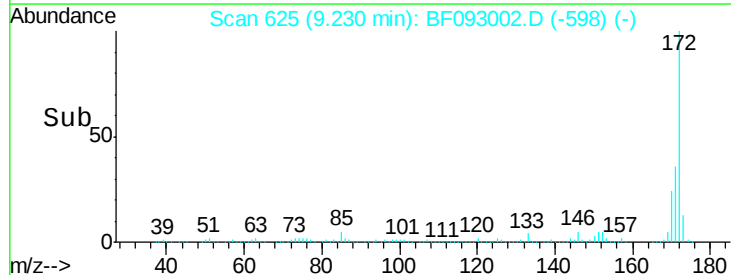
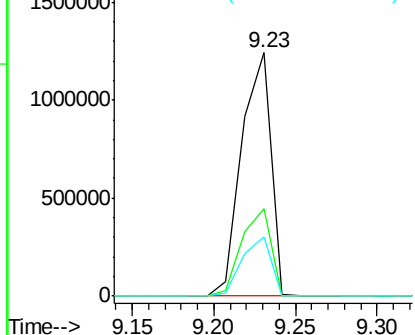


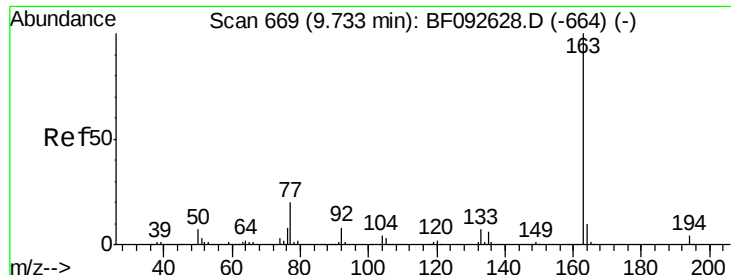
#44
 2-Fluorobiphenyl
 Concen: 117.76 ng
 RT: 9.23 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Tgt Ion:172 Resp: 1543471
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.3 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





#49

Dimethylphthalate

Concen: 22.42 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.01 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

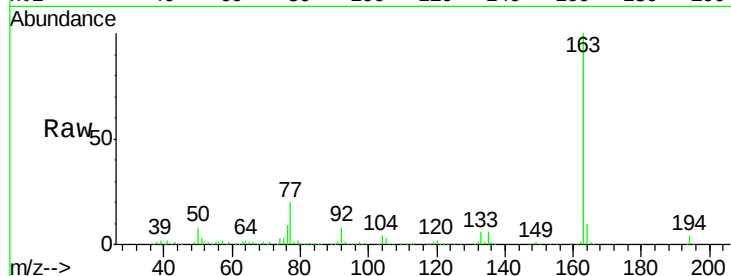
Tgt Ion:163 Resp: 358629

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

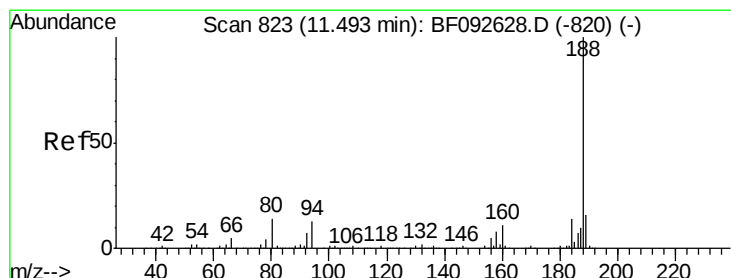
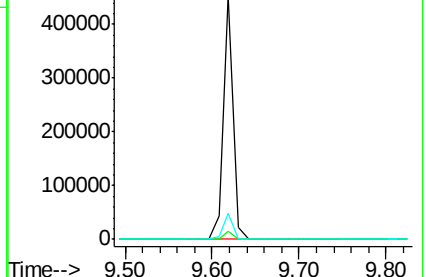
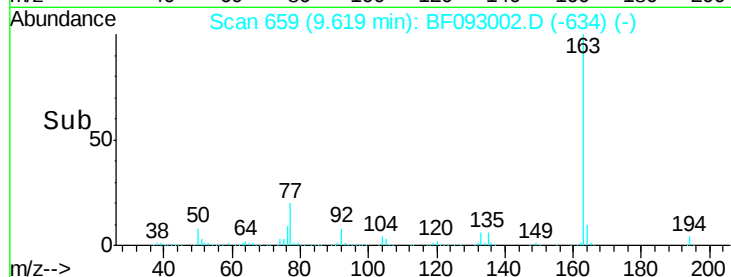
164 10.4 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

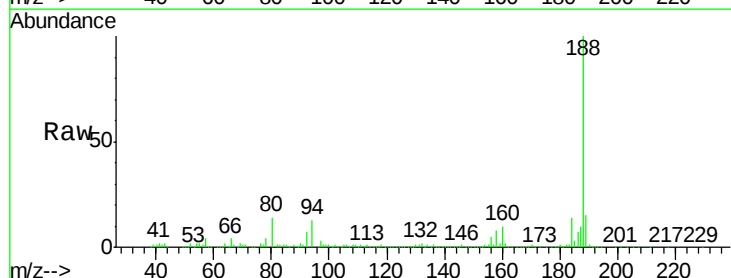
Tgt Ion:188 Resp: 352553

Ion Ratio Lower Upper

188 100

94 12.7 10.0 15.0

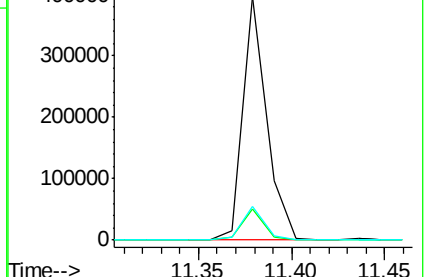
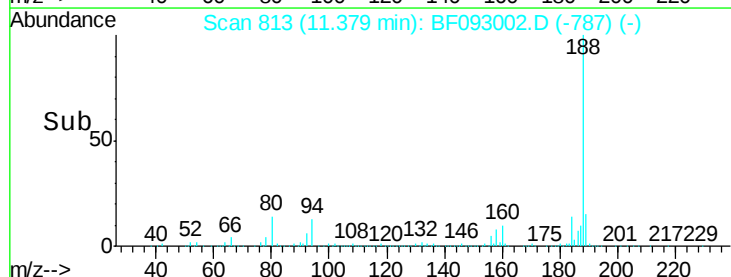
80 13.6 11.2 16.8

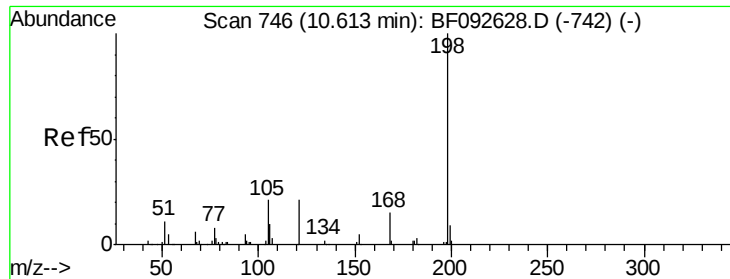


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

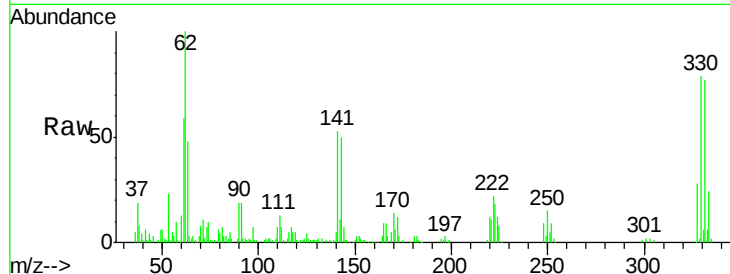




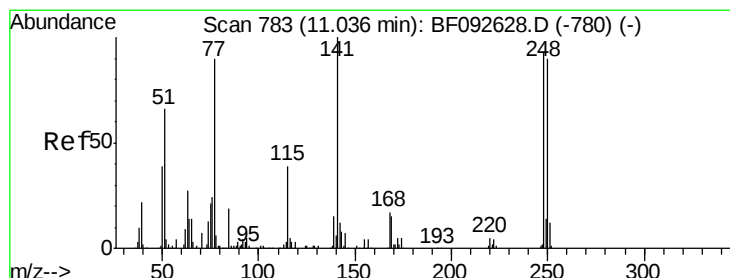
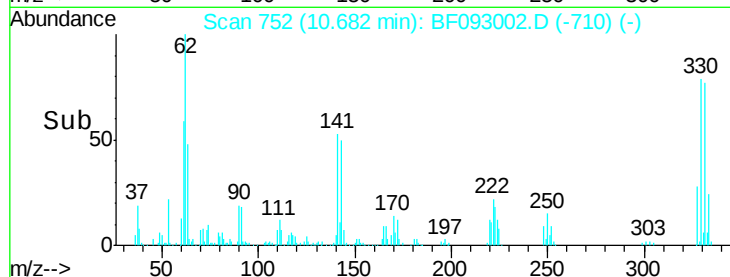
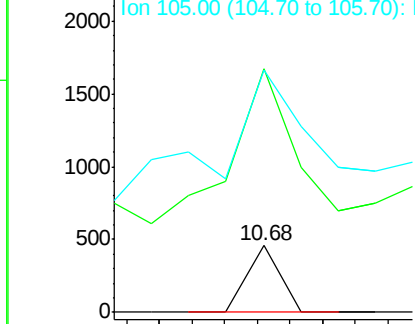
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.81 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.18 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-30-20170215

Tgt Ion:198 Resp: 313
 Ion Ratio Lower Upper
 198 100
 51 366.7 6.7 46.7#
 105 365.6 16.6 56.6#

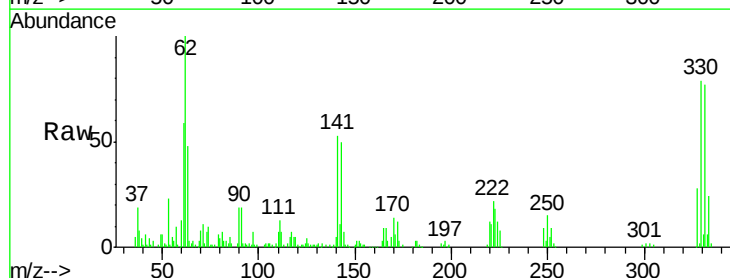


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

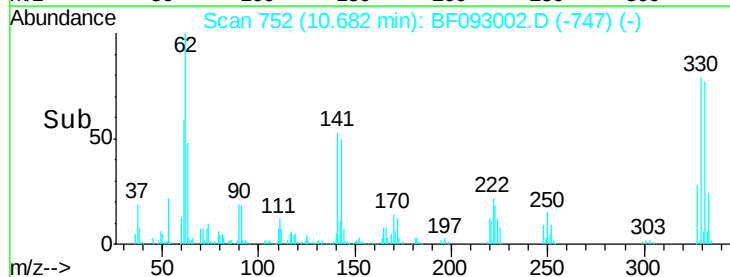
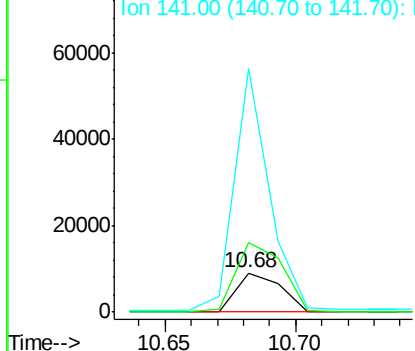


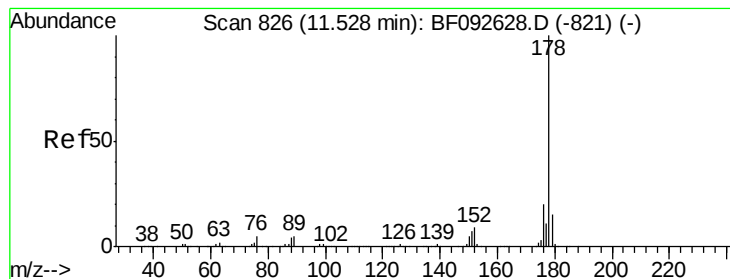
#66
 4-Bromophenyl-phenylether
 Concen: 2.93 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.24 min
 Lab File: BF093002.D
 Acq: 17 Feb 2017 1:00

Tgt Ion:248 Resp: 10803
 Ion Ratio Lower Upper
 248 100
 250 178.9 76.9 115.3#
 141 624.7 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 9.74 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

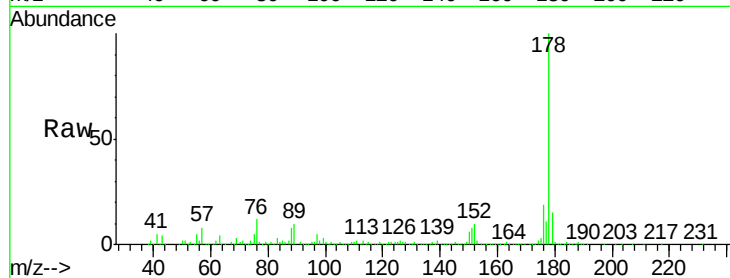
Tgt Ion:178 Resp: 196723

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

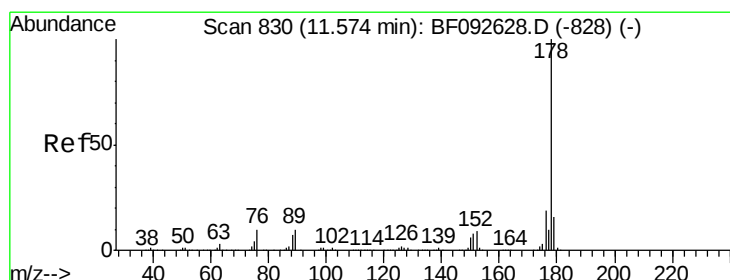
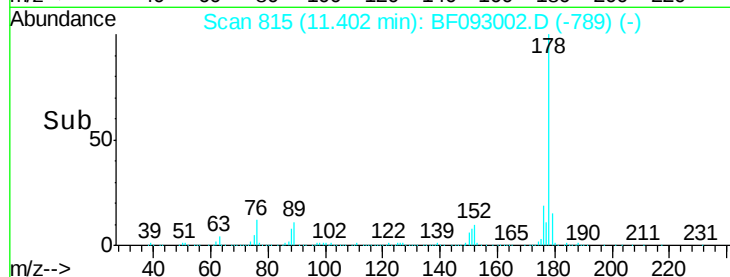
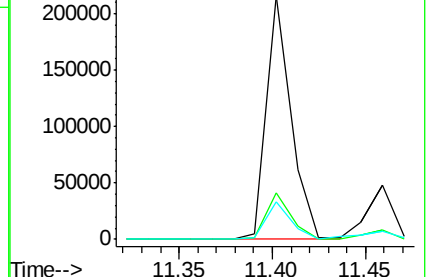
179 15.3 12.8 19.2



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



#71

Anthracene

Concen: 2.40 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

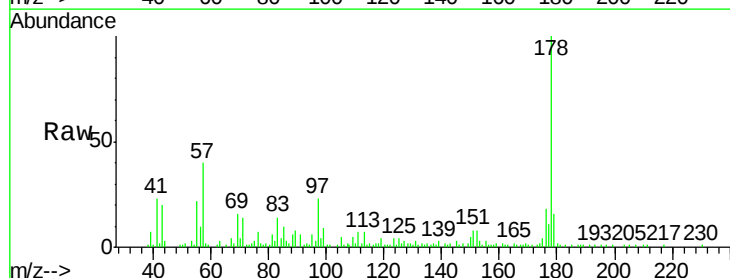
Tgt Ion:178 Resp: 48659

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

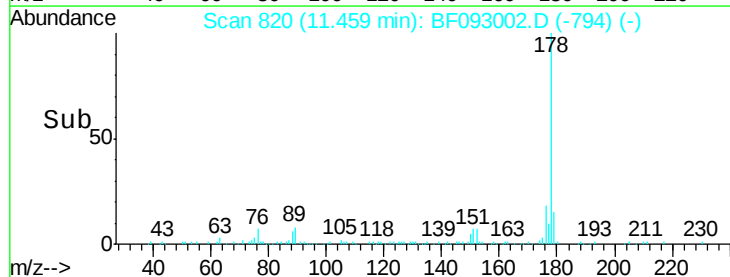
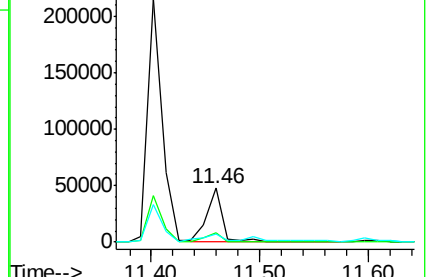
179 15.5 13.2 19.8

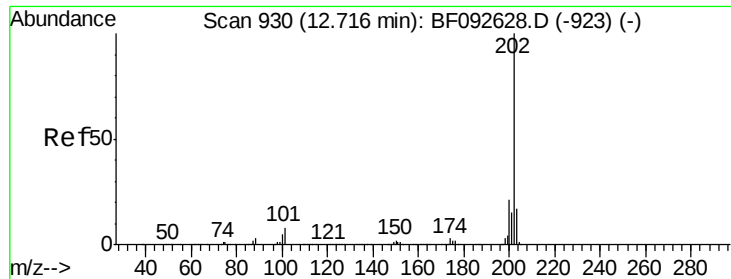


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.99 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

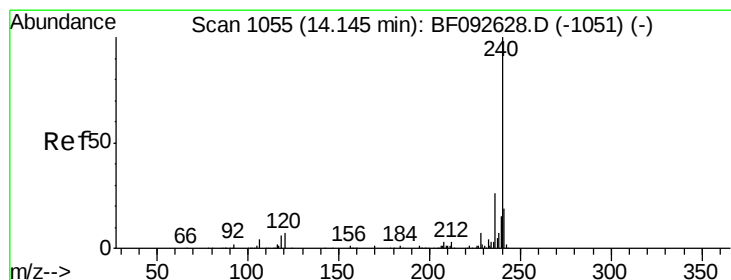
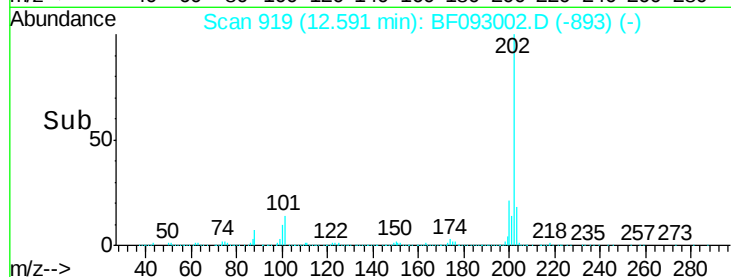
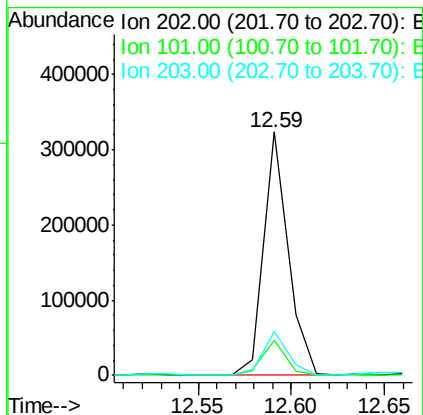
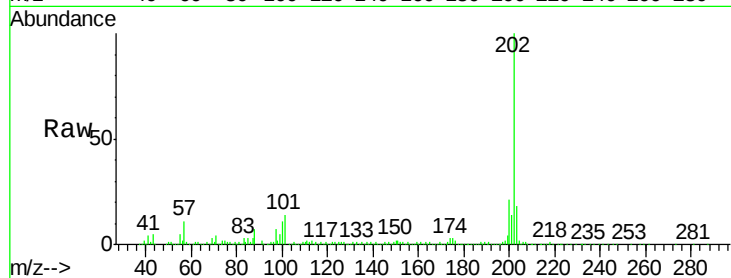
Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

Tgt Ion:	202	Resp:	291536
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.6
203	17.8	0.0	38.7



#75

Chrysene-d12

Concen: 20.00 ng

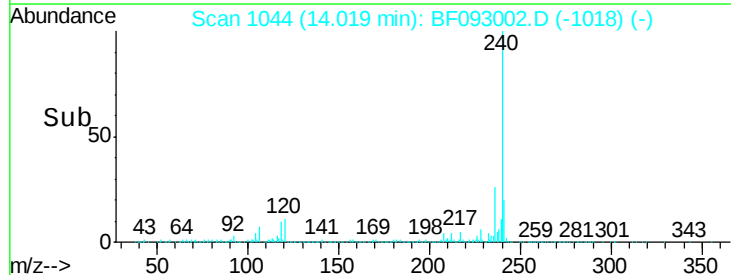
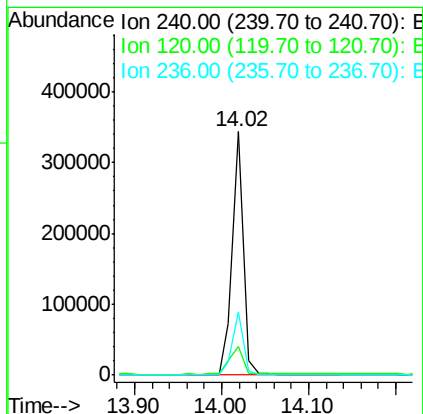
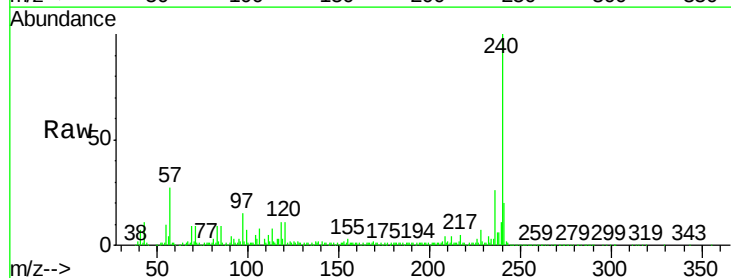
RT: 14.02 min Scan# 1044

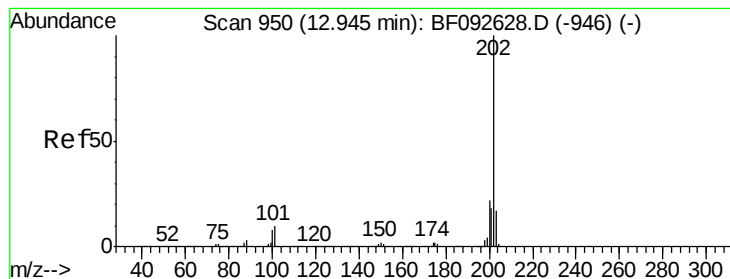
Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Tgt Ion:	240	Resp:	307891
Ion	Ratio	Lower	Upper
240	100		
120	11.5	12.9	19.3#
236	26.0	20.9	31.3





#77

Pyrene

Concen: 12.46 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

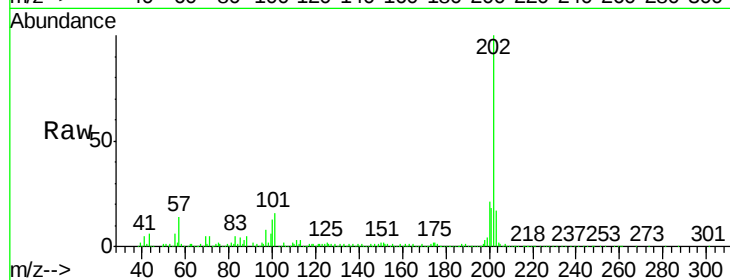
Tgt Ion:202 Resp: 287020

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

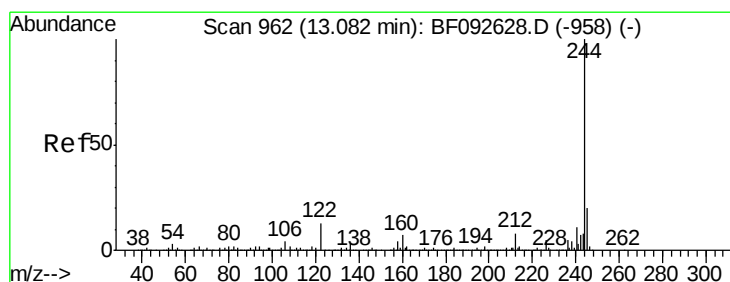
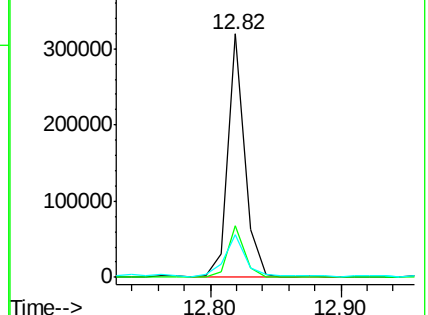
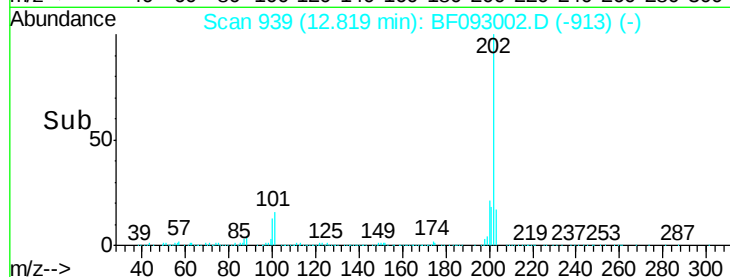
203 17.4 14.7 22.1



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: 79.02 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

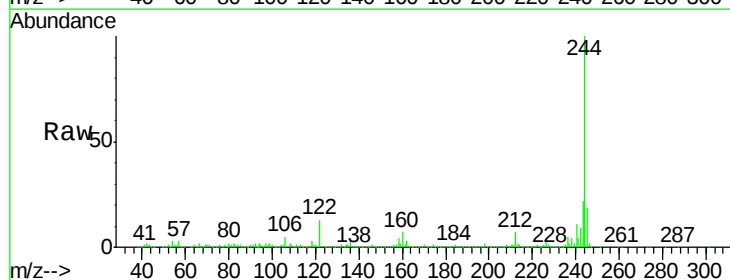
Tgt Ion:244 Resp: 1035499

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

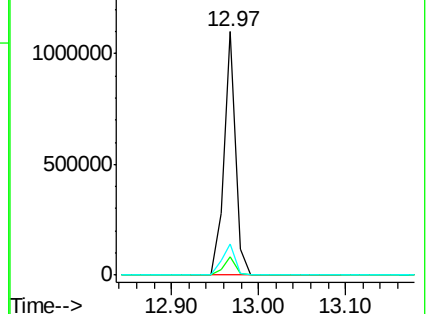
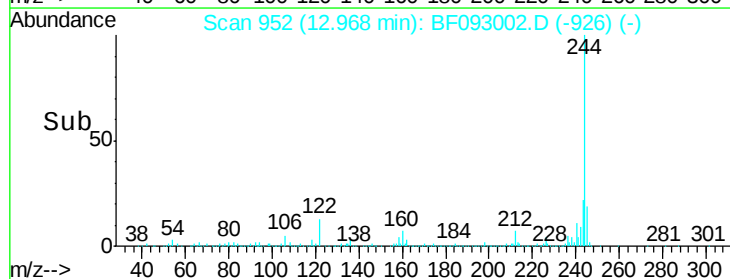
122 12.6 11.4 17.2

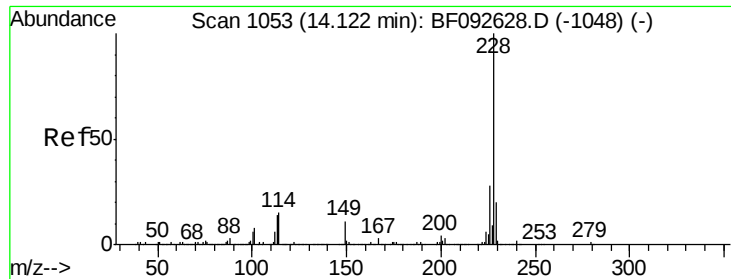


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.20 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

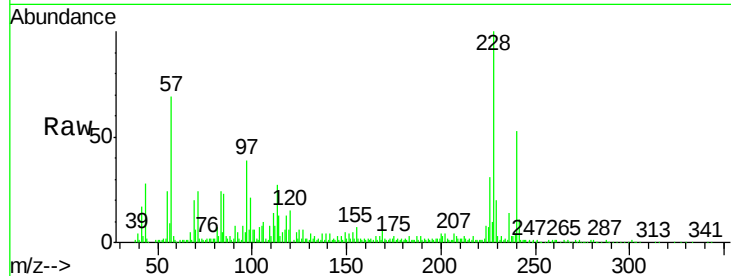
Tgt Ion:228 Resp: 154425

Ion Ratio Lower Upper

228 100

226 30.9 22.4 33.6

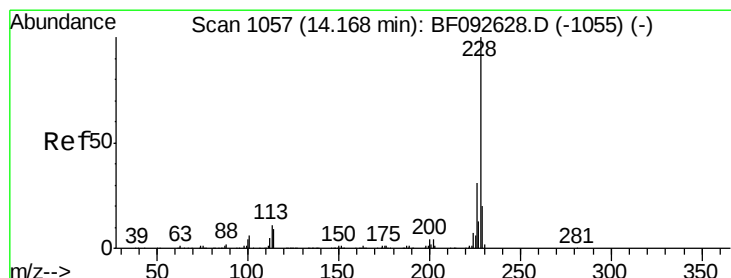
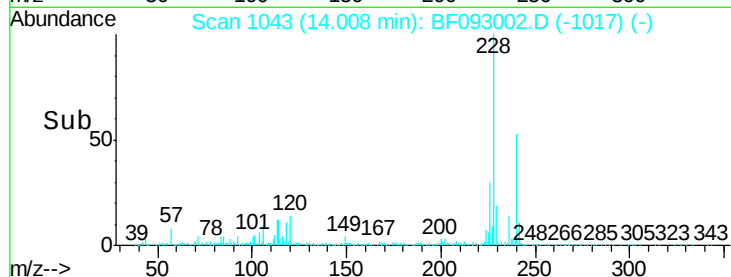
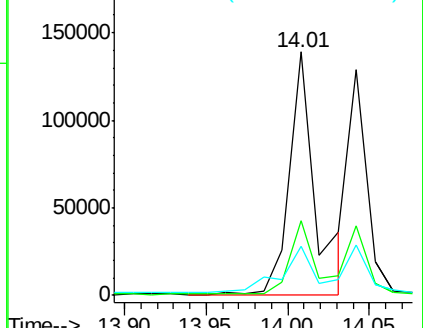
229 20.0 16.2 24.4



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: 5.84 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

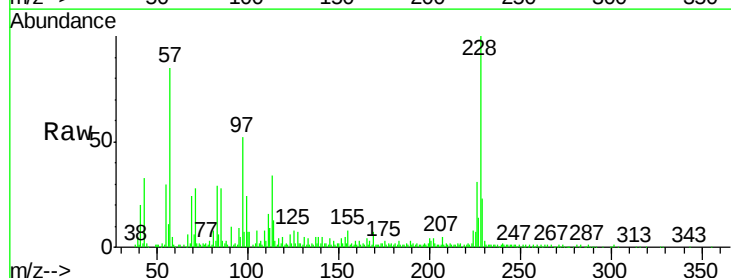
Tgt Ion:228 Resp: 103050

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

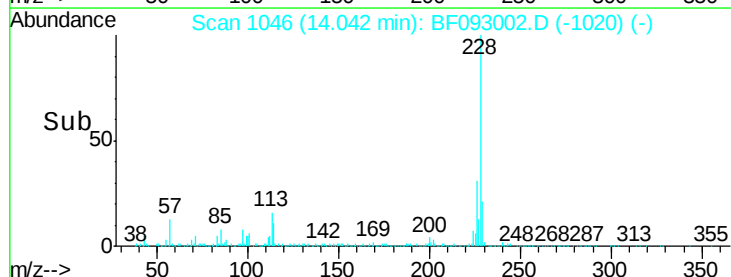
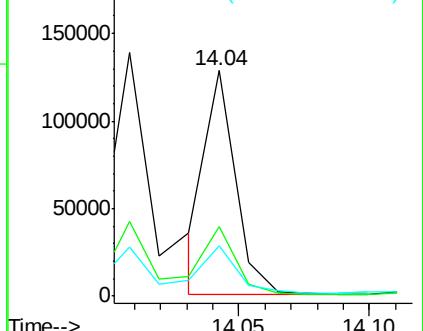
229 22.6 16.2 24.2

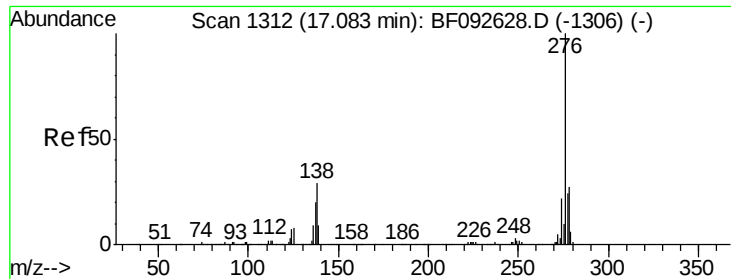


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

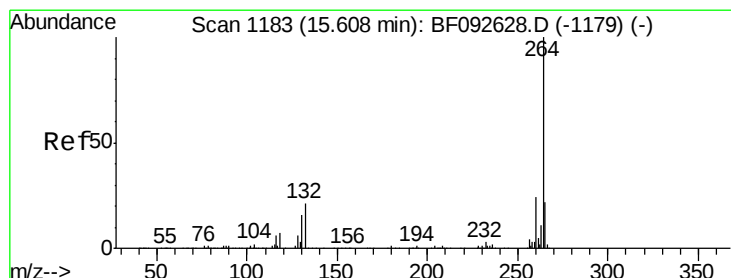
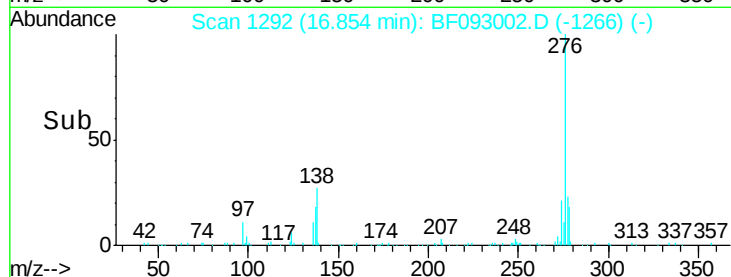
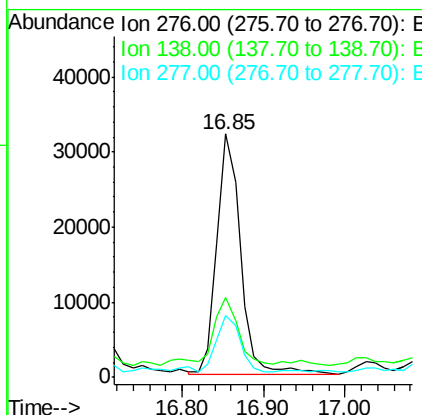
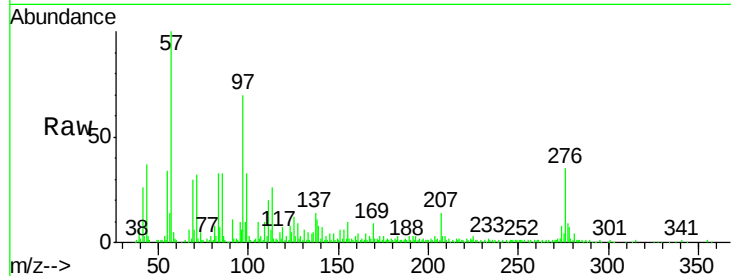




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.74 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BF093002.D
Acq: 17 Feb 2017 1:00

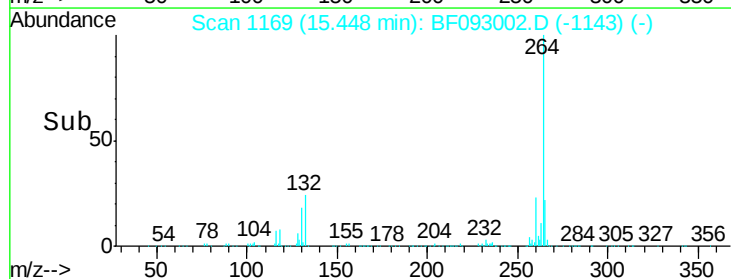
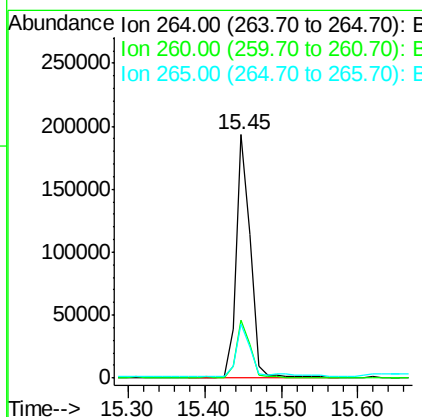
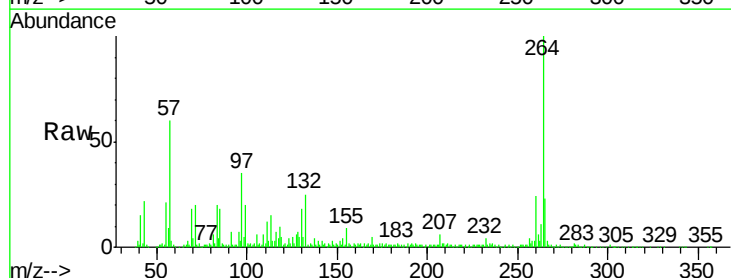
Instrument :
BNA_F
ClientSampleId :
POSTEX-30-20170215

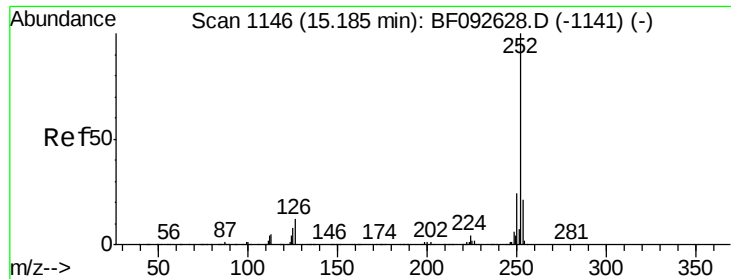
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.8	32.6
277	23.7	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093002.D
Acq: 17 Feb 2017 1:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 11.85 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

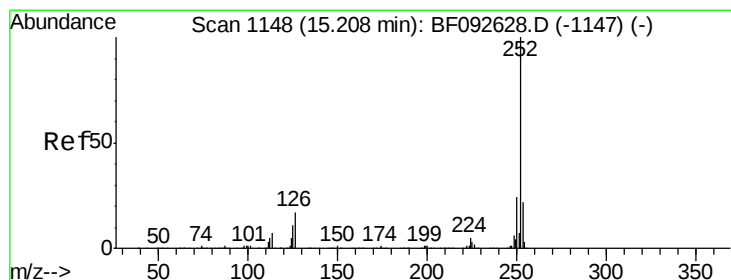
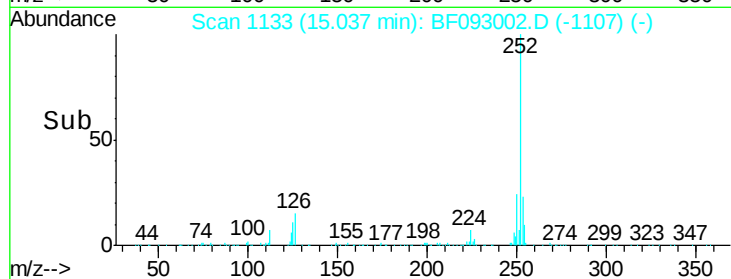
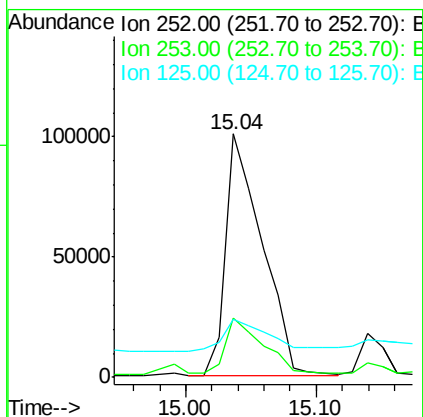
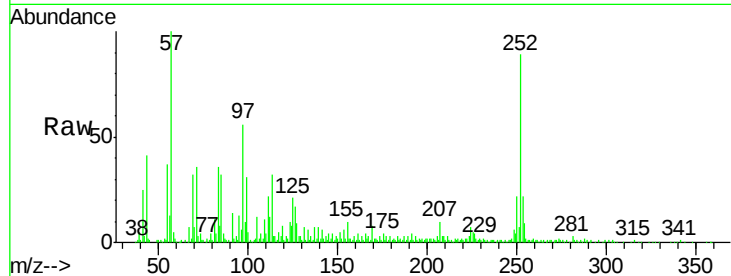
Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

Tgt Ion:	252	Resp:	195495
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.2	27.4
125	23.7	9.8	14.6#



#88

Benzo(k)fluoranthene

Concen: 13.73 ng

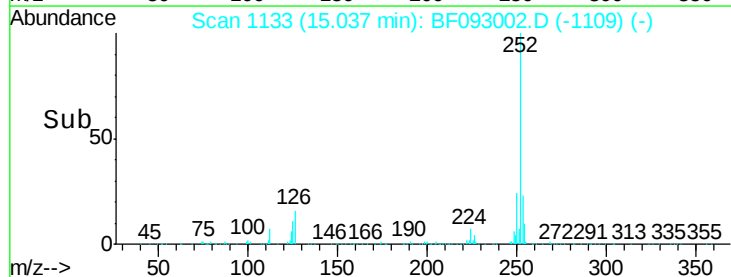
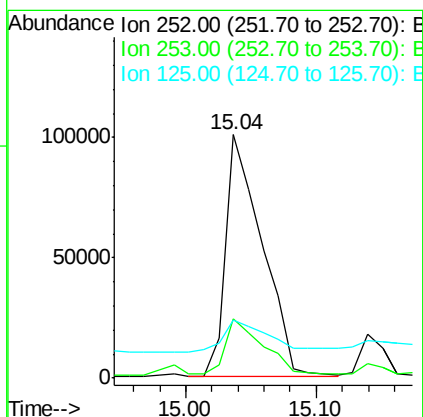
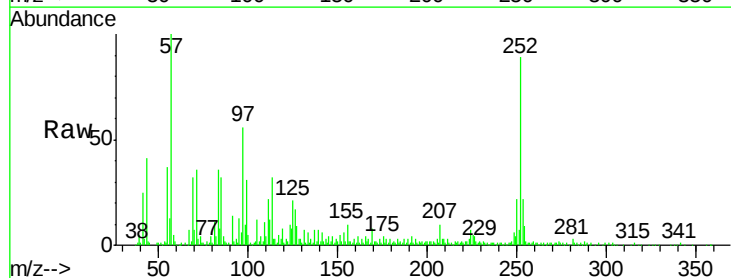
RT: 15.04 min Scan# 1133

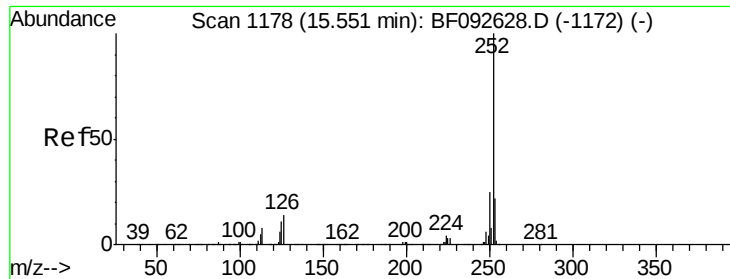
Delta R.T. -0.02 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Tgt Ion:	252	Resp:	195495
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.5	27.7
125	23.7	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 7.18 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

Instrument :

BNA_F

ClientSampleId :

POSTEX-30-20170215

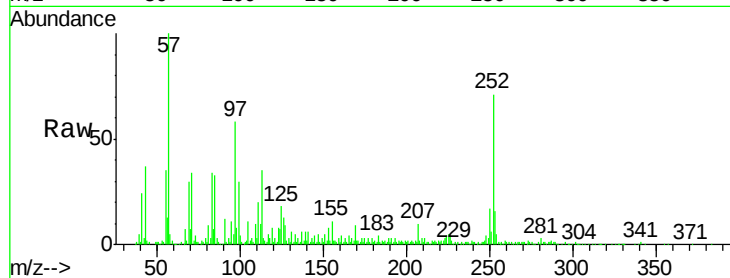
Tgt Ion:252 Resp: 102457

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

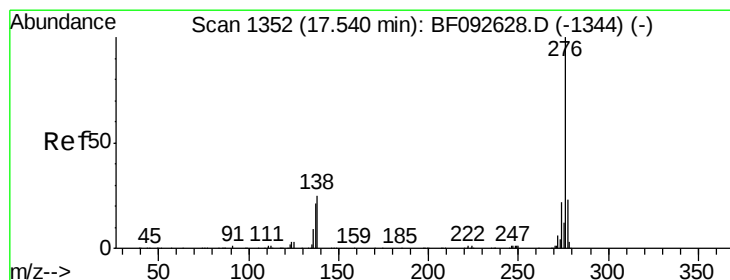
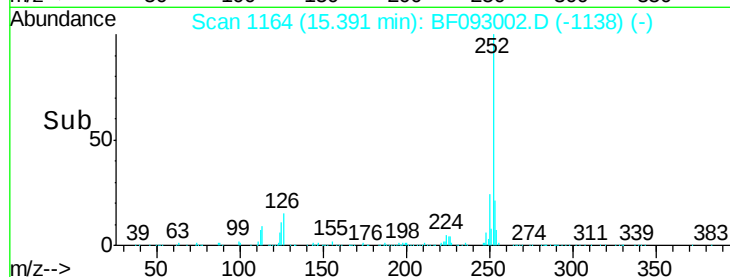
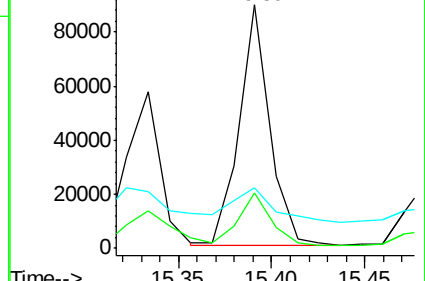
125 24.8 10.0 15.0#



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



#91

Benzo(g,h,i)perylene

Concen: 5.13 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF093002.D

Acq: 17 Feb 2017 1:00

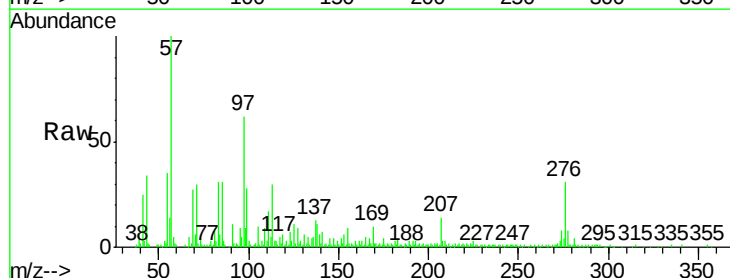
Tgt Ion:276 Resp: 59722

Ion Ratio Lower Upper

276 100

277 27.5 19.2 28.8

138 35.3 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

