

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
 Data File : BF093454.D
 Acq On : 9 Mar 2017 3:01
 Operator : SJ/MA
 Sample : I2136-01 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-31-20170306

Quant Time: Mar 09 04:13:00 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	157450	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	600567	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	247156	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	369235	20.00	ng	0.01
75) Chrysene-d12	13.93	240	360660	20.00	ng	0.01
86) Perylene-d12	15.35	264	299750	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	518949	54.86	ng	0.01
7) Phenol-d6	6.42	99	676789	56.73	ng	0.01
23) Nitrobenzene-d5	7.34	82	402715	37.21	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	87617	54.41	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	703955	52.98	ng	0.00
78) Terphenyl-d14	12.87	244	489671	35.30	ng	0.00

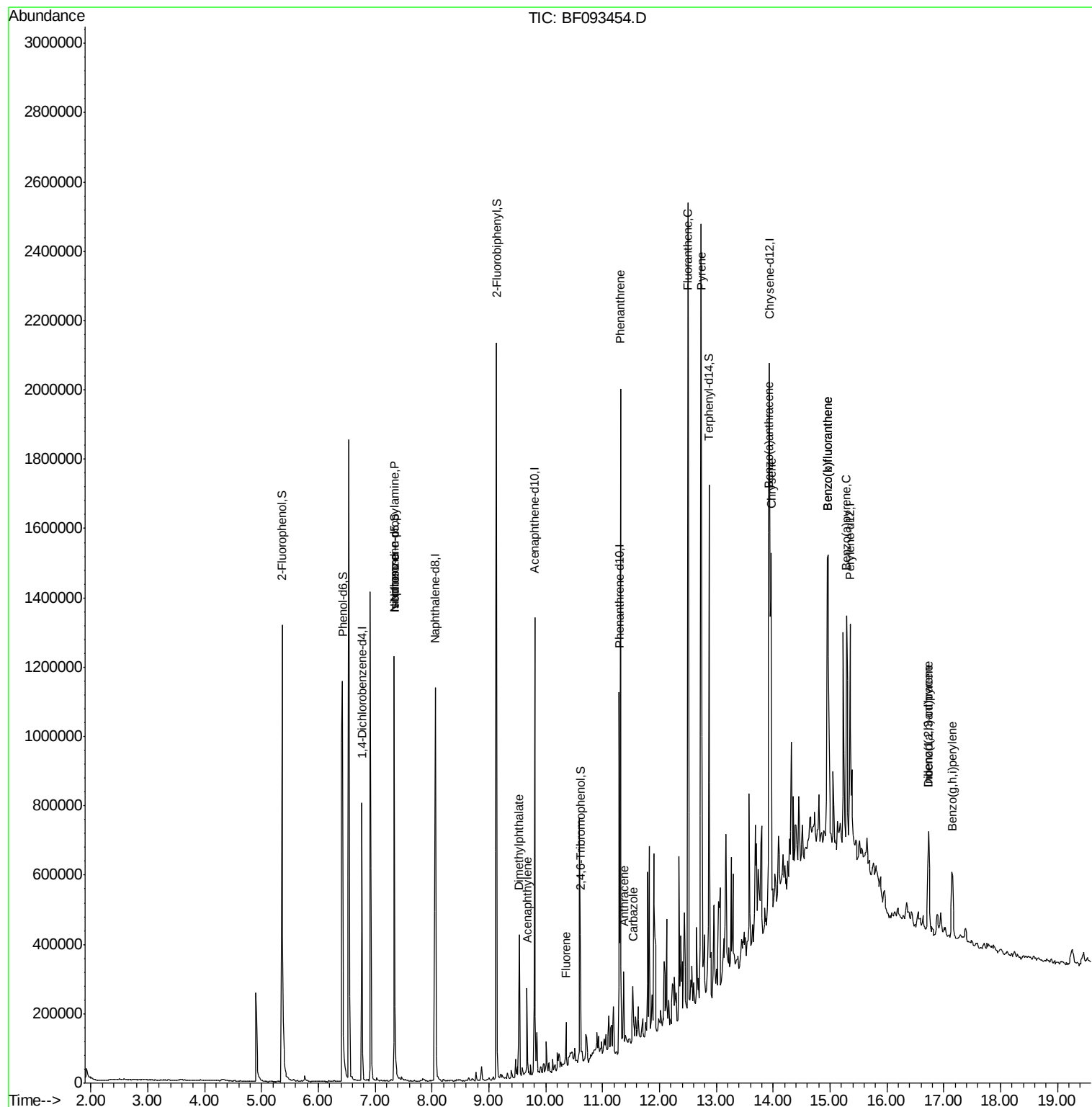
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.34	70	53070	6.47	ng	# 79
25) Isophorone	7.34	82	371826	17.03	ng	# 65
48) Acenaphthylene	9.67	152	102122	4.49	ng	98
49) Dimethylphthalate	9.53	163	176032	10.74	ng	100
57) Fluorene	10.36	166	38435	2.70	ng	98
70) Phenanthrene	11.32	178	692209	32.84	ng	98
71) Anthracene	11.37	178	132535	6.22	ng	97
72) Carbazole	11.53	167	47807	2.39	ng	99
74) Fluoranthene	12.50	202	893946	43.91	ng	98
77) Pyrene	12.73	202	981158	37.41	ng	99
80) Benzo(a)anthracene	13.92	228	583298	27.39	ng	98
82) Chrysene	13.97	228	499049	25.33	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	176107	10.68	ng	96
87) Benzo(b)fluoranthene	14.96	252	706609	38.71	ng	98
88) Benzo(k)fluoranthene	14.96	252	706609	40.14	ng	# 97
89) Benzo(a)pyrene	15.29	252	365161	21.89	ng	# 94
90) Dibenzo(a,h)anthracene	16.73	278	45595	3.30	ng	# 85
91) Benzo(g,h,i)perylene	17.16	276	166506	11.75	ng	# 93

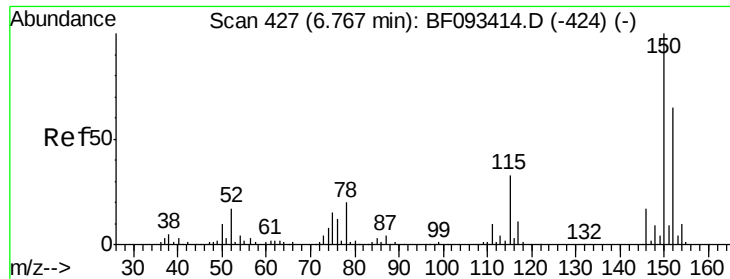
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
Data File : BF093454.D
Acq On : 9 Mar 2017 3:01
Operator : SJ/MA
Sample : I2136-01 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Quant Time: Mar 09 04:13:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 15:55:22 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

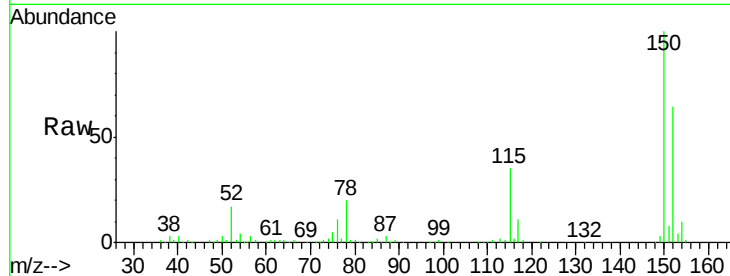
Tgt Ion:152 Resp: 157450

Ion Ratio Lower Upper

152 100

150 156.1 124.9 187.3

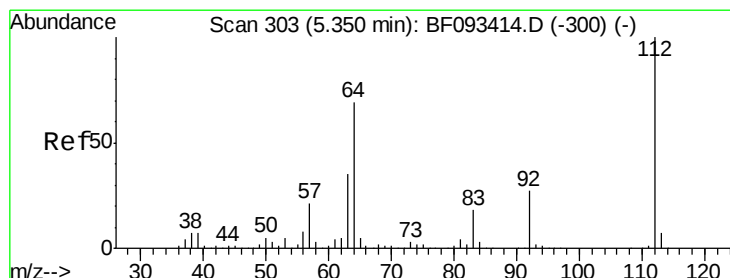
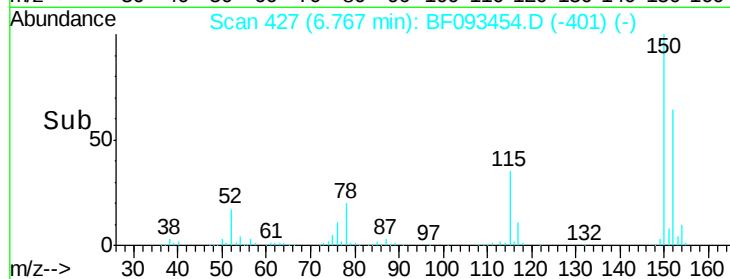
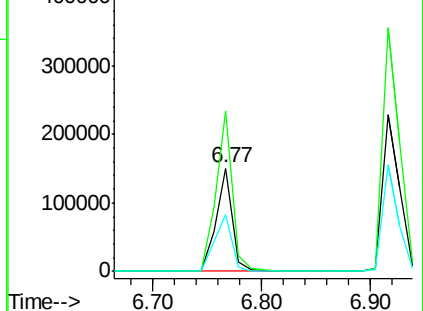
115 54.6 46.0 69.0



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: 54.86 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

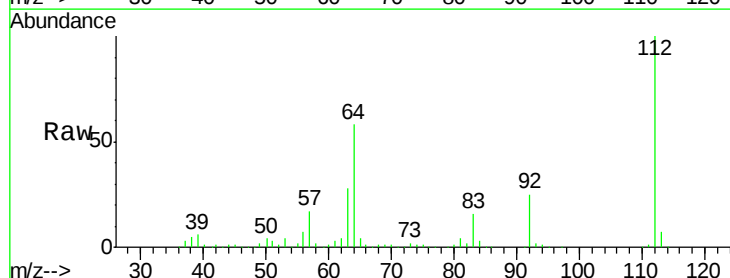
Tgt Ion:112 Resp: 518949

Ion Ratio Lower Upper

112 100

64 58.4 46.1 69.1

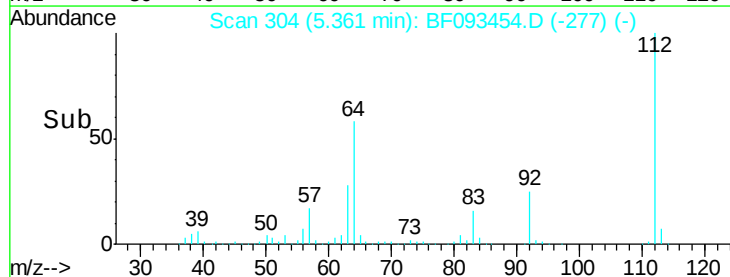
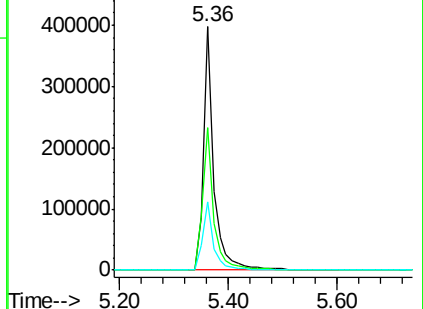
63 28.2 23.8 35.6

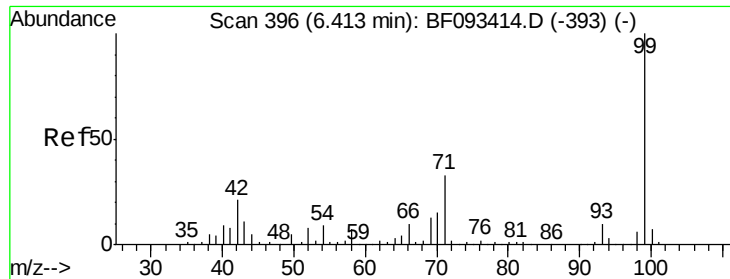


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 56.73 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

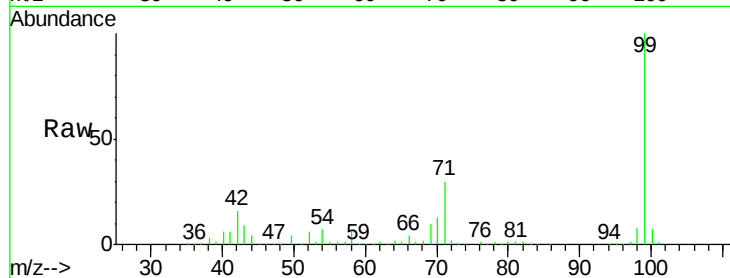
Tgt Ion: 99 Resp: 676789

Ion Ratio Lower Upper

99 100

42 16.0 15.6 23.4

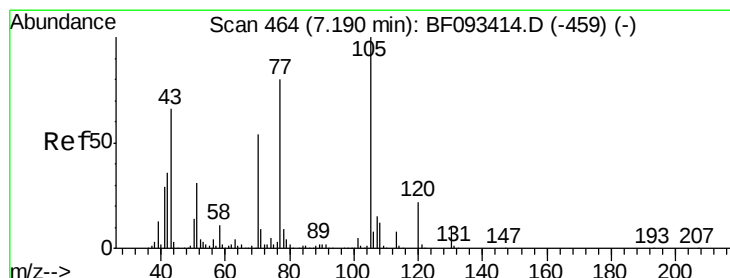
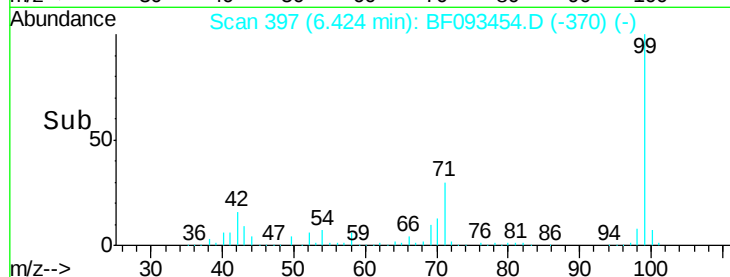
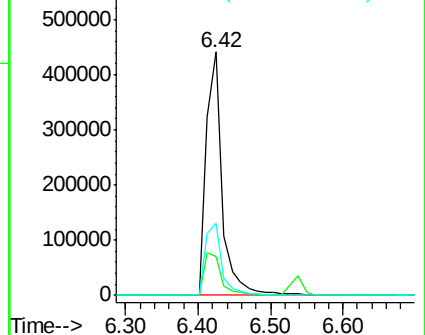
71 29.6 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.47 ng

RT: 7.34 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Tgt Ion: 70 Resp: 53070

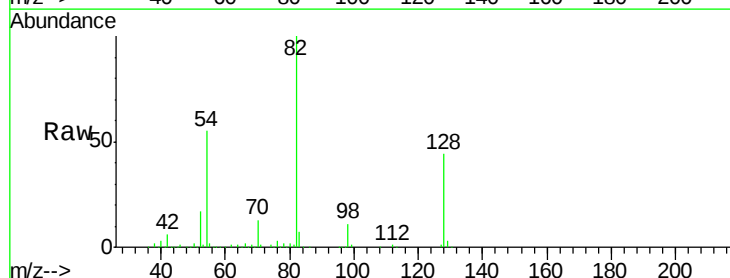
Ion Ratio Lower Upper

70 100

42 49.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

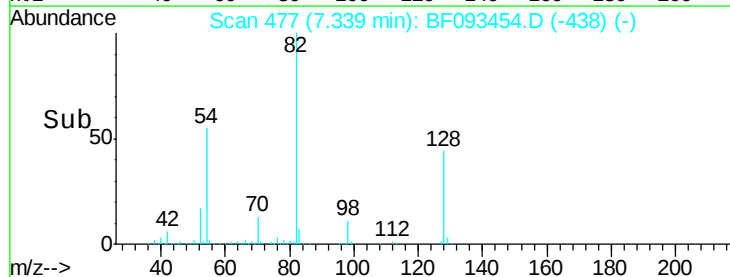
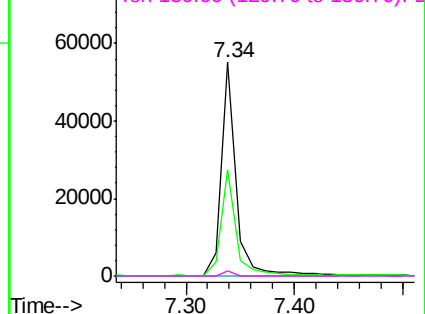


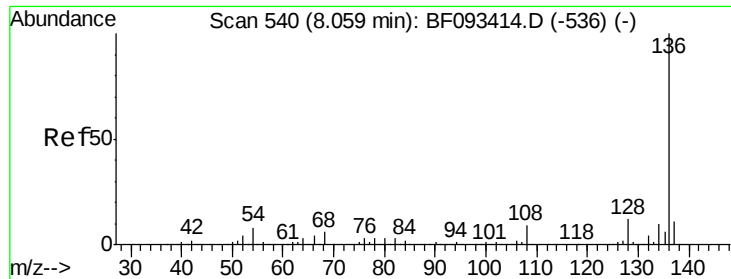
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

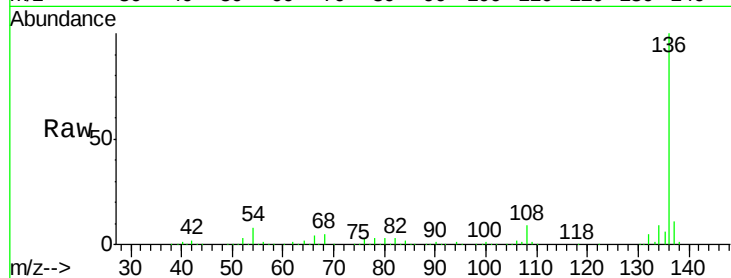




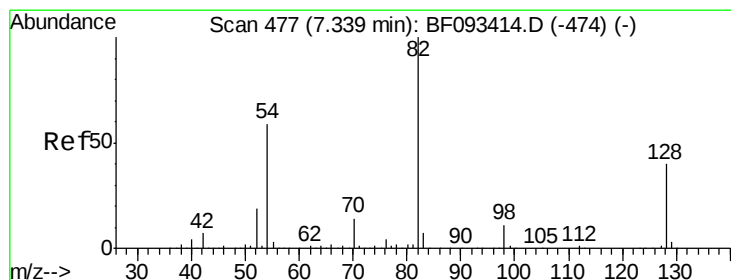
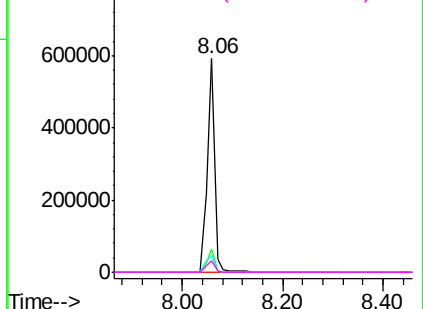
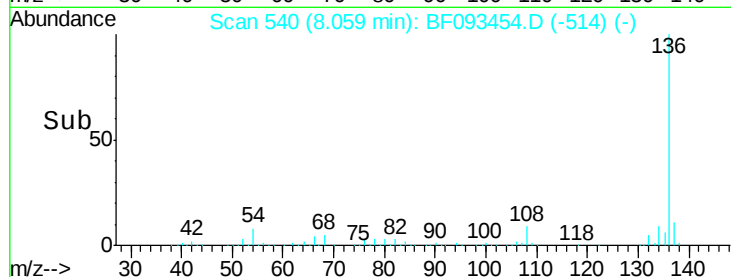
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Tgt Ion:	136	Resp:	600567
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.6	4.5	6.7#
68	5.2	3.6	5.4

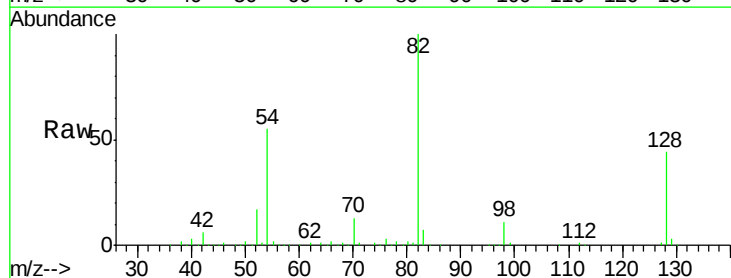


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

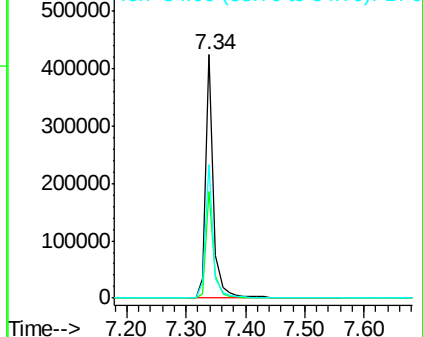
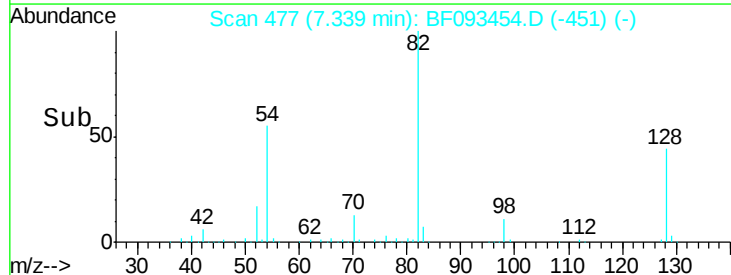


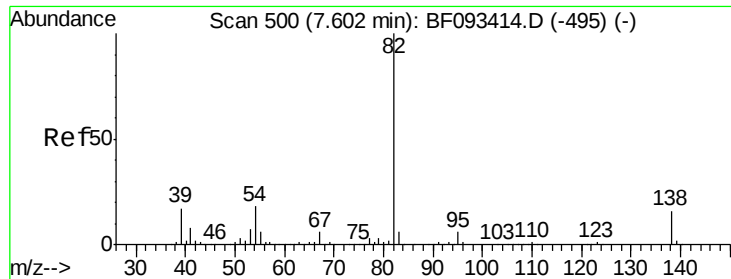
#23
Nitrobenzene-d5
Concen: 37.21 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion:	82	Resp:	402715
Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	52.0
54	54.7	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

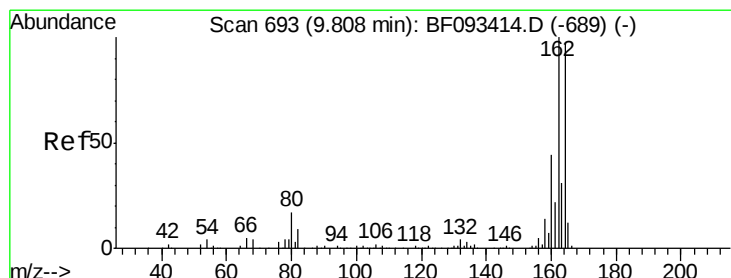
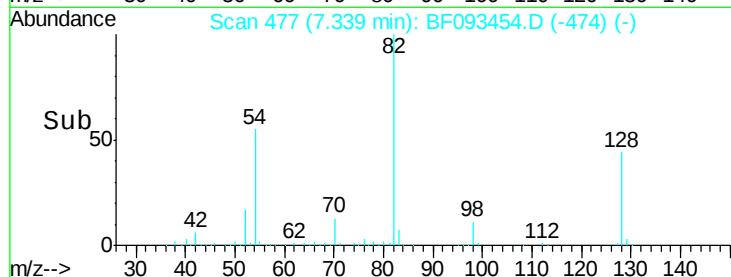
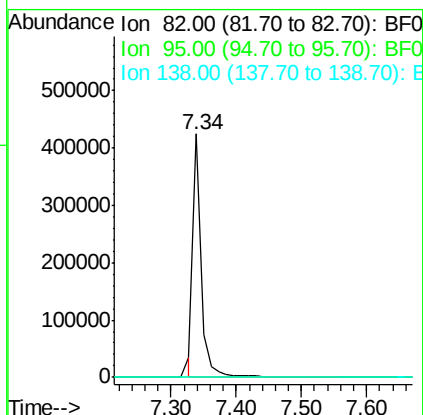
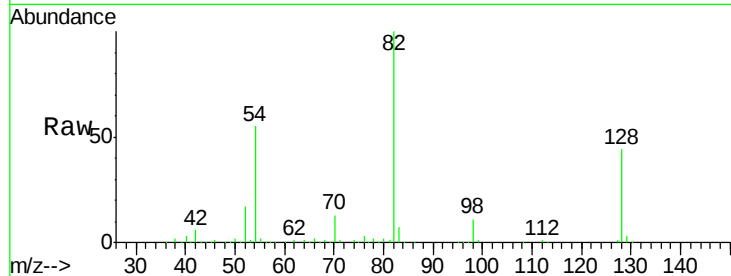




#25
Isophorone
Concen: 17.03 ng
RT: 7.34 min Scan# 477
Delta R.T. -0.26 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

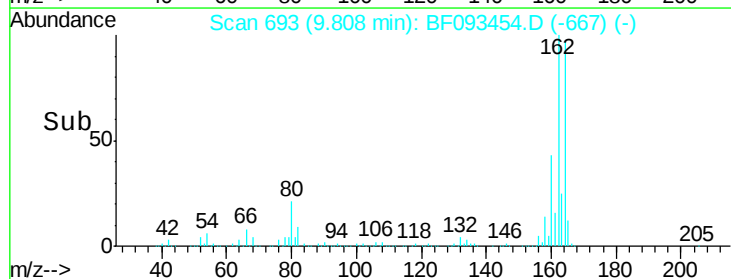
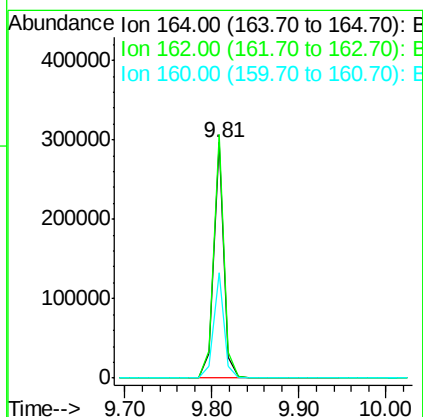
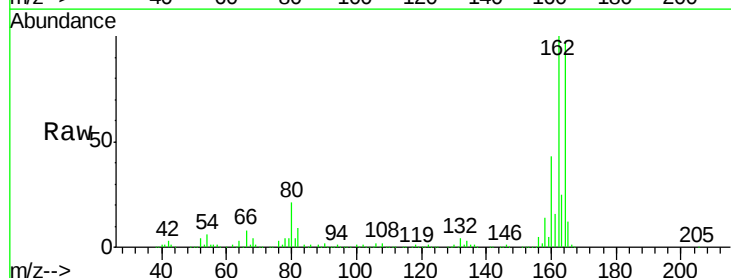
Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

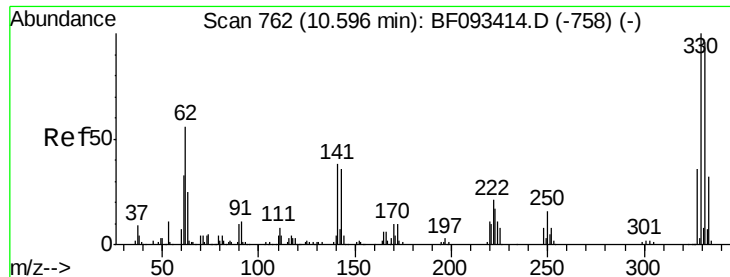
Tgt Ion: 82 Resp: 371826
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.6 22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion: 164 Resp: 247156
Ion Ratio Lower Upper
164 100
162 103.3 80.2 120.2
160 44.8 36.9 55.3

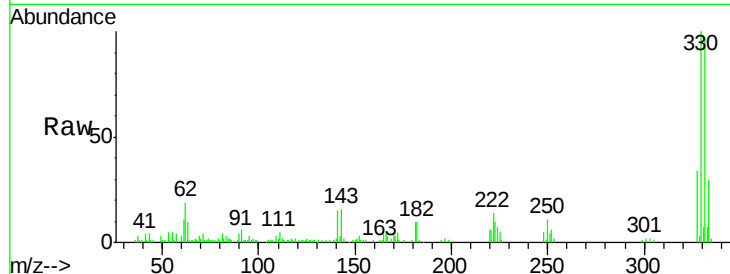




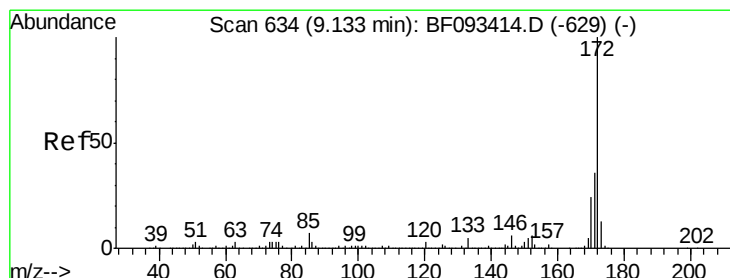
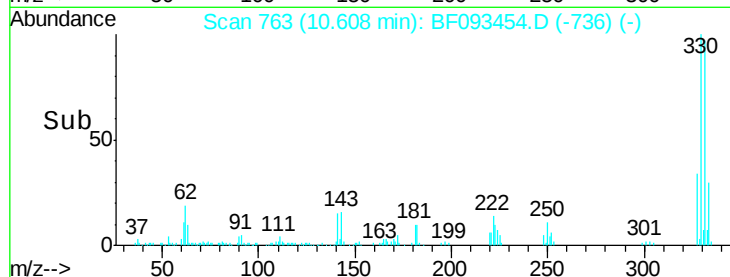
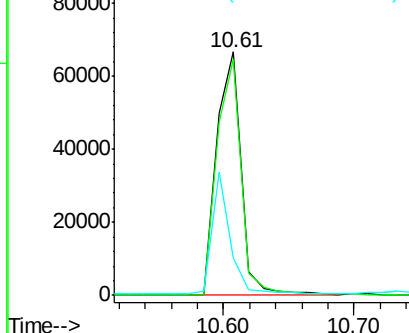
#41
 2,4,6-Tribromophenol
 Concen: 54.41 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-31-20170306

Tgt Ion:330 Resp: 87617
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.4 116.2
 141 38.2 34.1 51.1

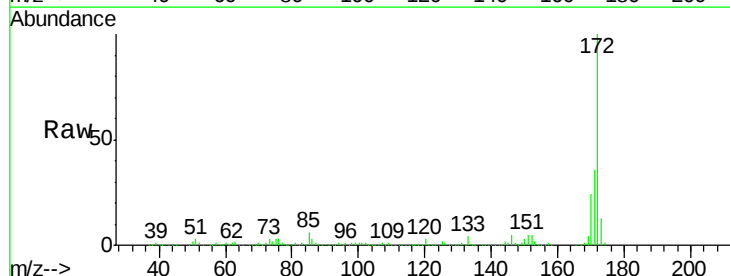


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

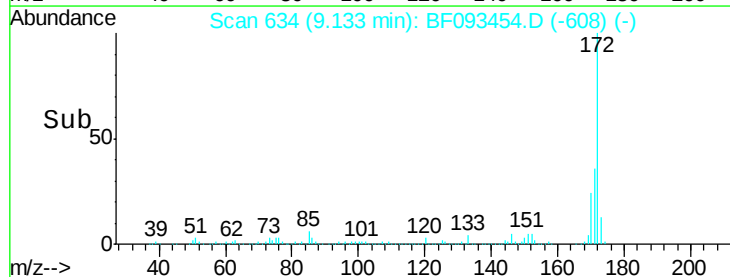
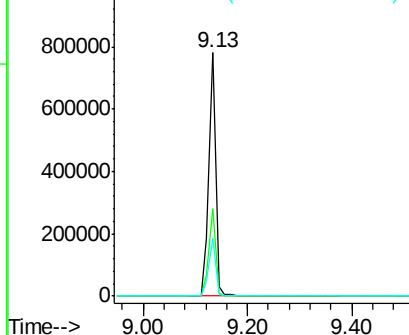


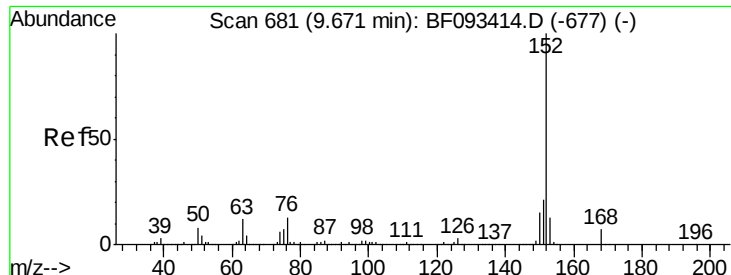
#44
 2-Fluorobiphenyl
 Concen: 52.98 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Tgt Ion:172 Resp: 703955
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.0 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





#48

Acenaphthylene

Concen: 4.49 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

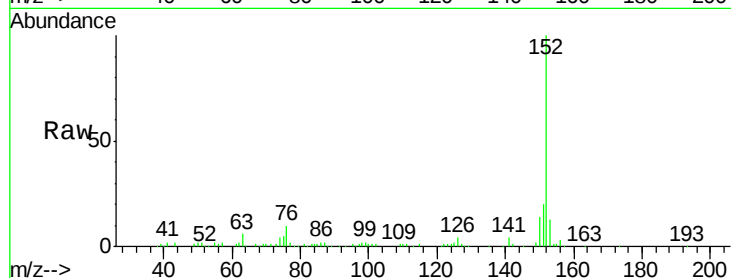
Tgt Ion:152 Resp: 102122

Ion Ratio Lower Upper

152 100

151 20.4 16.9 25.3

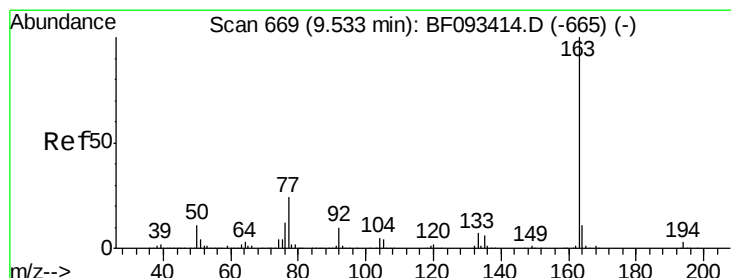
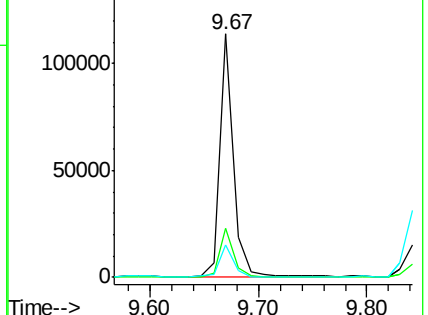
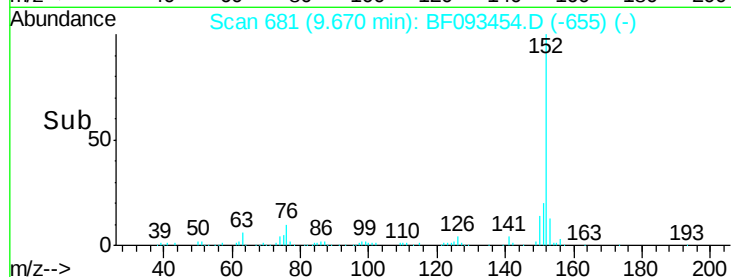
153 13.2 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 10.74 ng

RT: 9.53 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

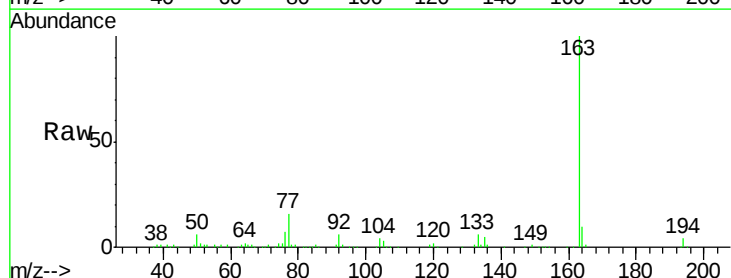
Tgt Ion:163 Resp: 176032

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

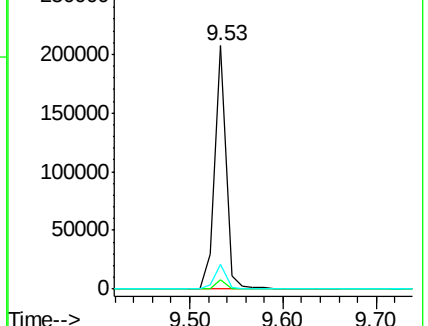
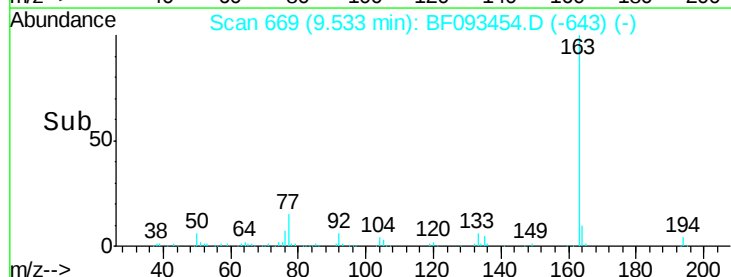
164 9.9 8.0 12.0

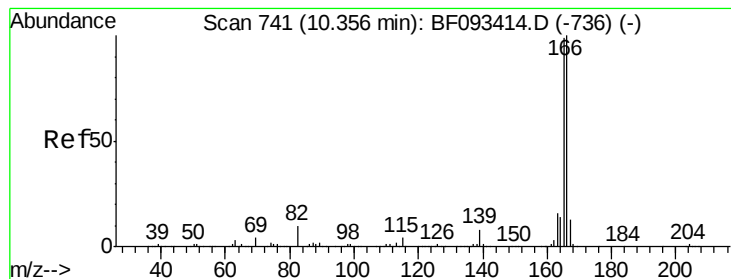


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

Fluorene

Concen: 2.70 ng

RT: 10.36 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

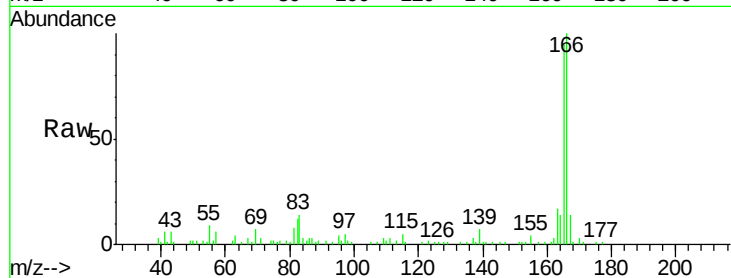
Tgt Ion:166 Resp: 38435

Ion Ratio Lower Upper

166 100

165 95.3 77.8 116.8

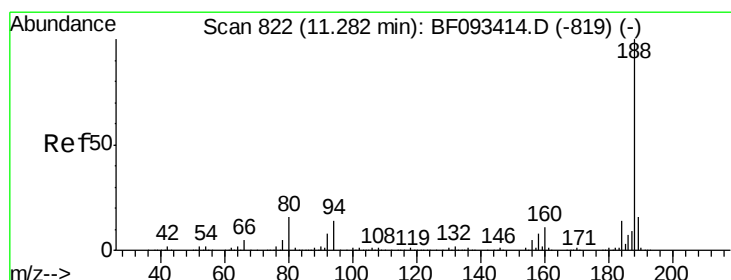
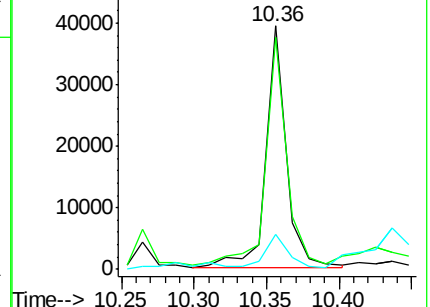
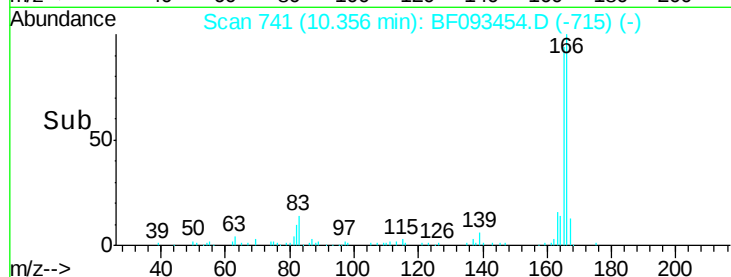
167 14.3 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

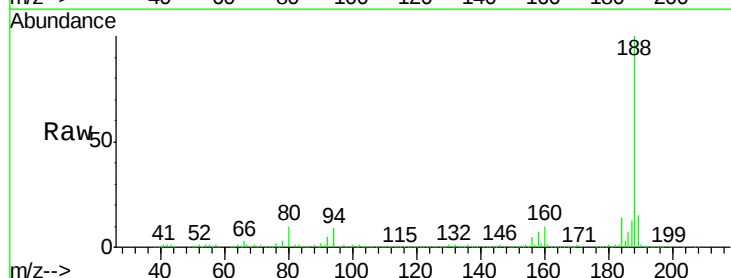
Tgt Ion:188 Resp: 369235

Ion Ratio Lower Upper

188 100

94 9.4 10.0 15.0#

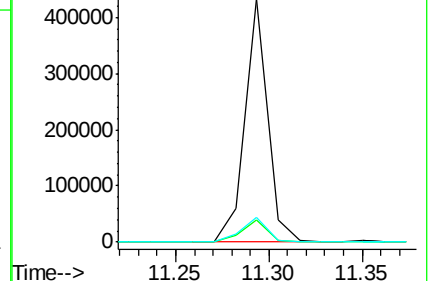
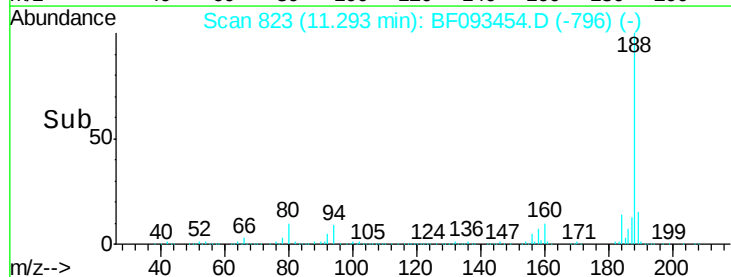
80 10.1 11.2 16.8#

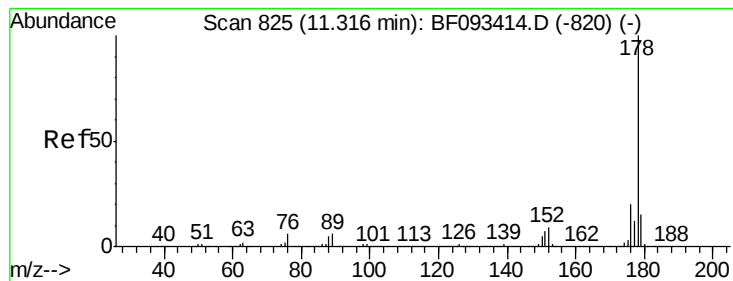


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 32.84 ng

RT: 11.32 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

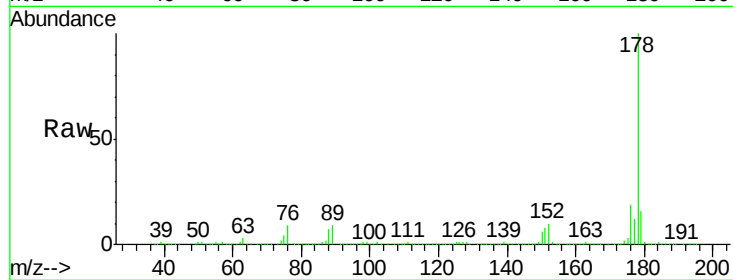
Tgt Ion:178 Resp: 692209

Ion Ratio Lower Upper

178 100

176 19.5 16.6 25.0

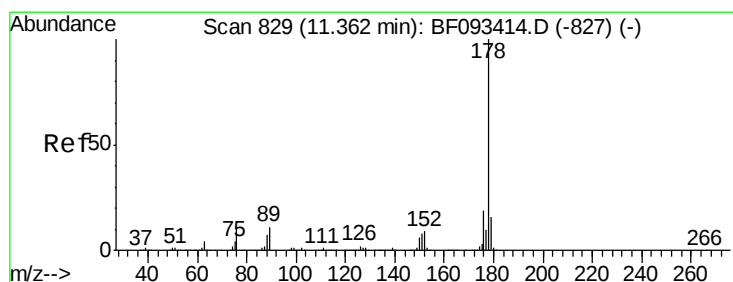
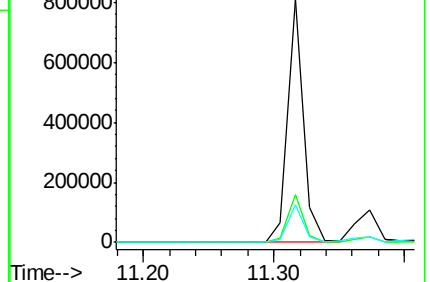
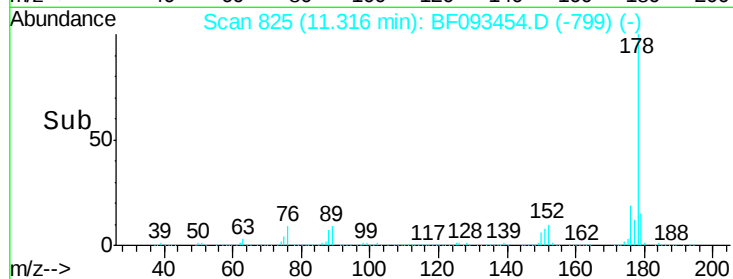
179 15.6 12.8 19.2



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: 6.22 ng

RT: 11.37 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

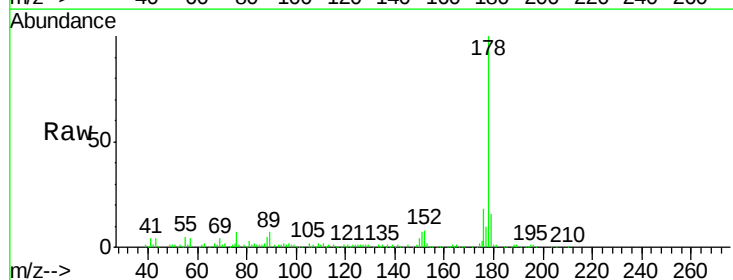
Tgt Ion:178 Resp: 132535

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

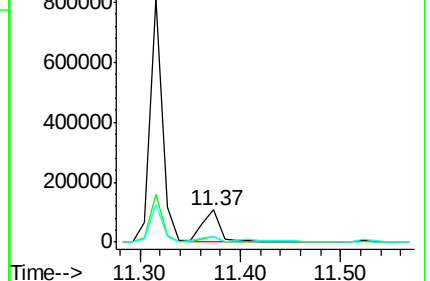
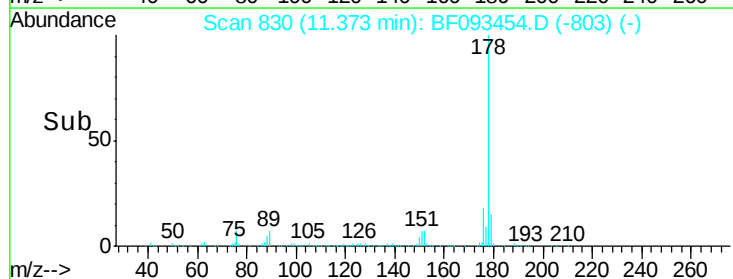
179 15.6 13.2 19.8

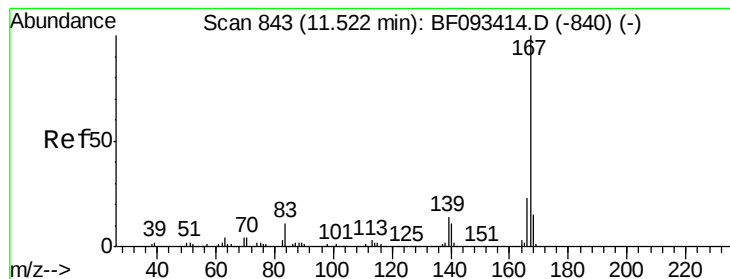


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.39 ng

RT: 11.53 min Scan# 844

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

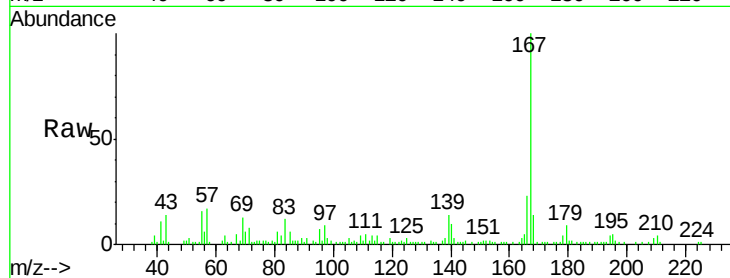
Tgt Ion:167 Resp: 47807

Ion Ratio Lower Upper

167 100

166 23.0 18.2 27.2

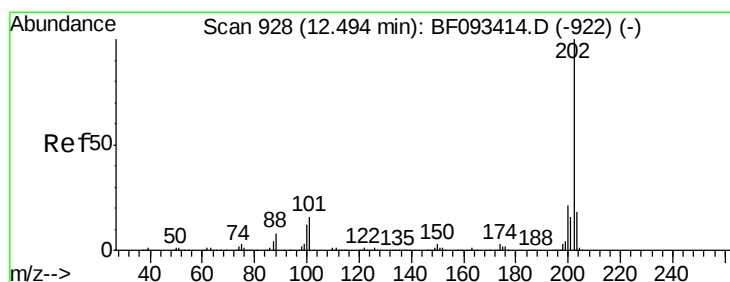
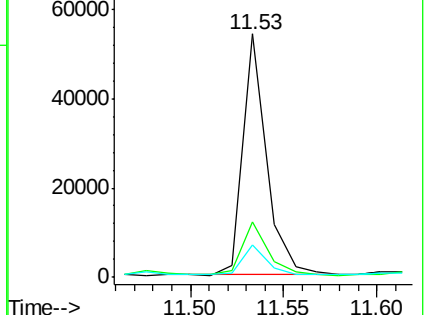
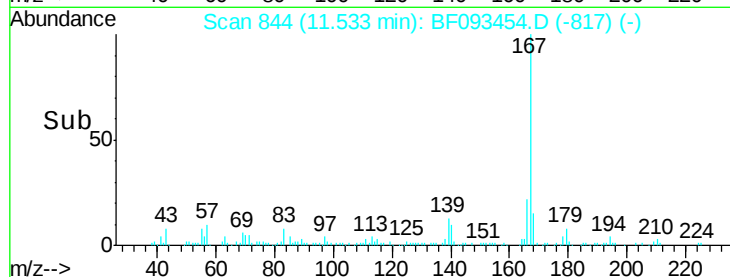
139 13.5 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 43.91 ng

RT: 12.50 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

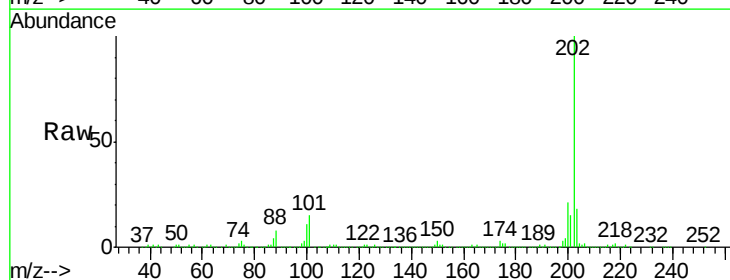
Tgt Ion:202 Resp: 893946

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.6

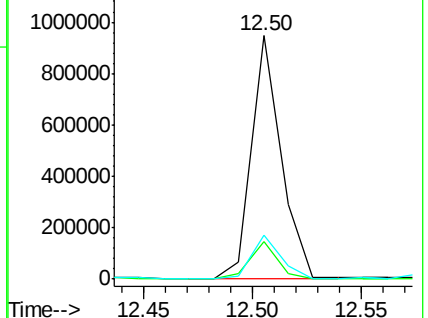
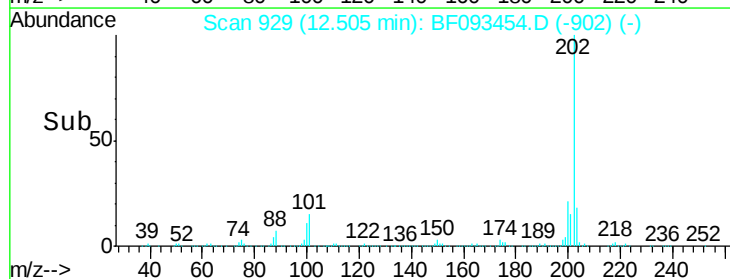
203 18.1 0.0 38.7

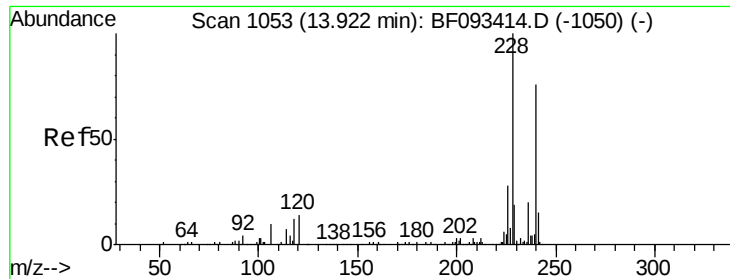


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

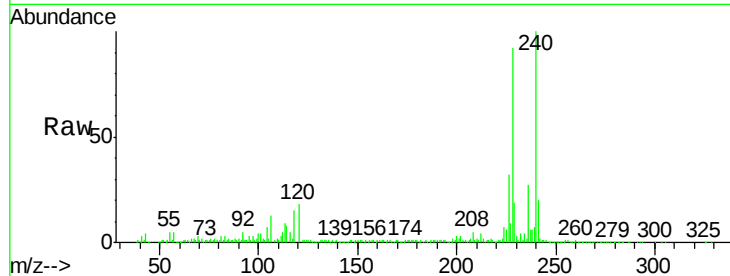
Tgt Ion:240 Resp: 360660

Ion Ratio Lower Upper

240 100

120 17.9 12.9 19.3

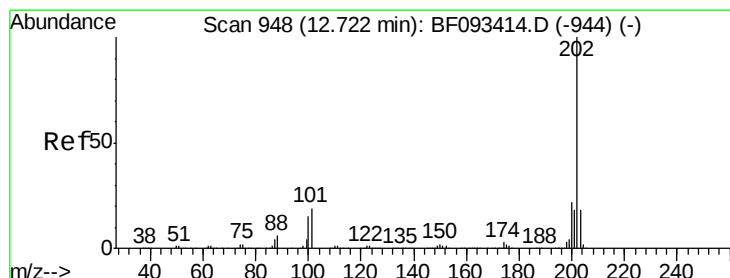
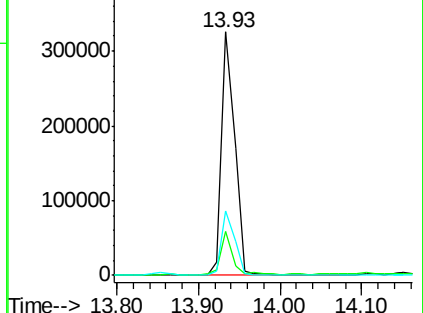
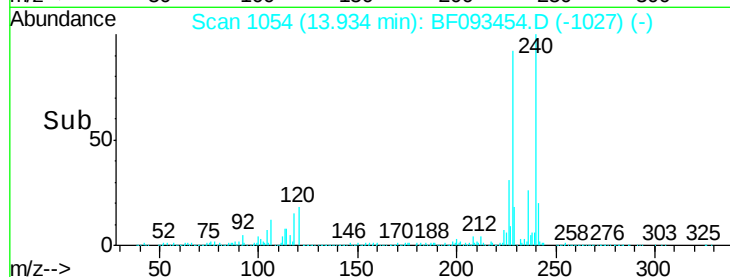
236 26.7 20.9 31.3



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

Pyrene

Concen: 37.41 ng

RT: 12.73 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

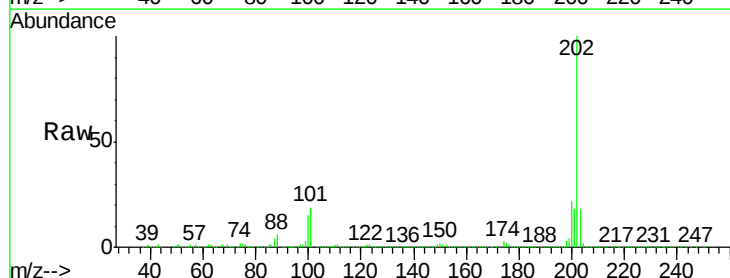
Tgt Ion:202 Resp: 981158

Ion Ratio Lower Upper

202 100

200 22.5 17.7 26.5

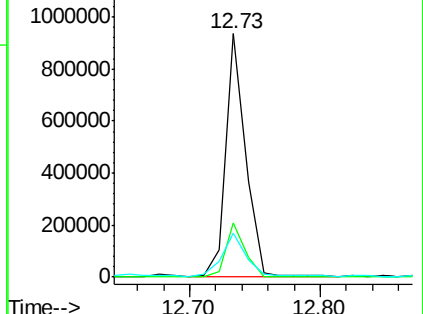
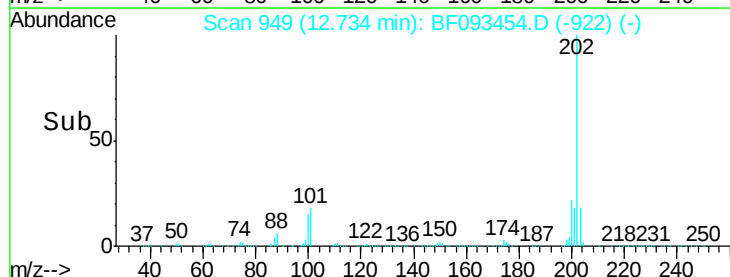
203 18.1 14.7 22.1

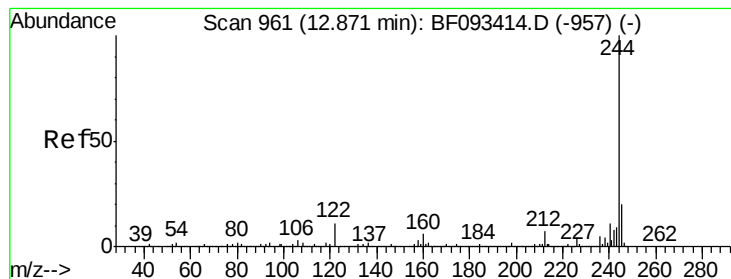


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.30 ng

RT: 12.87 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

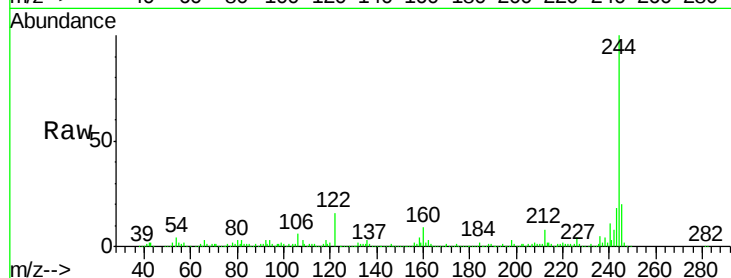
Tgt Ion:244 Resp: 489671

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

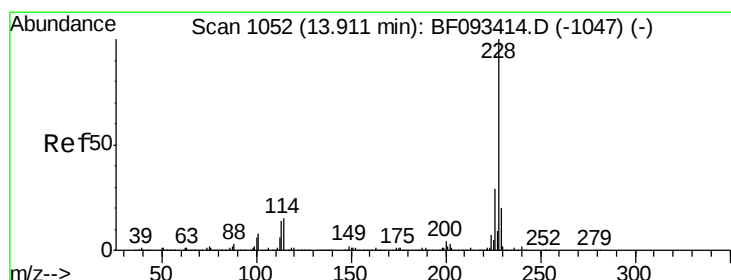
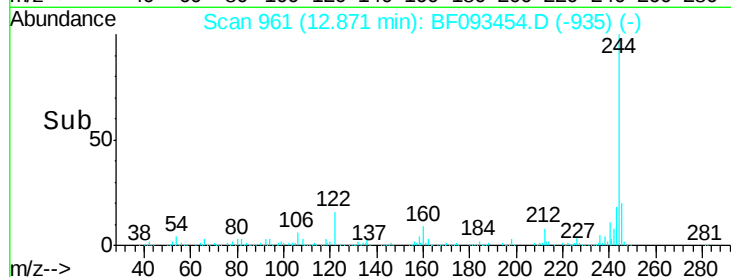
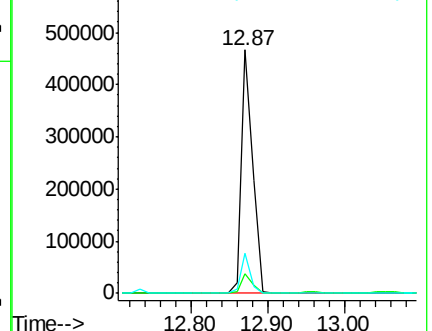
122 16.4 11.4 17.2



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: 27.39 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

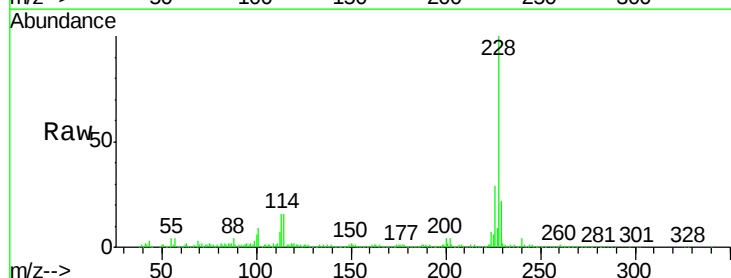
Tgt Ion:228 Resp: 583298

Ion Ratio Lower Upper

228 100

226 28.8 22.4 33.6

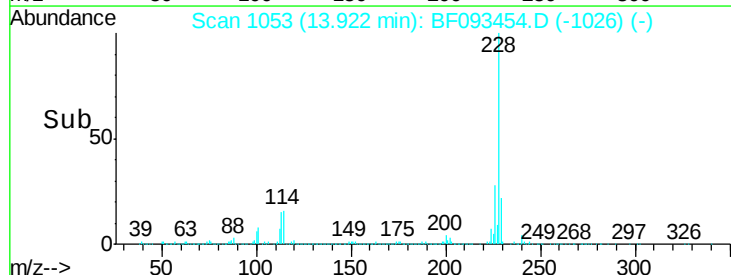
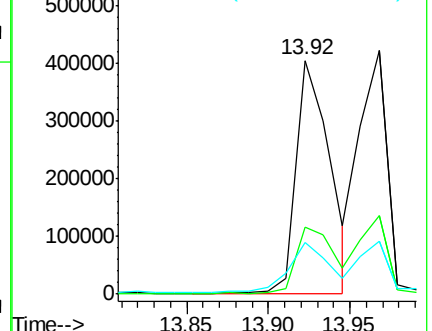
229 22.1 16.2 24.4

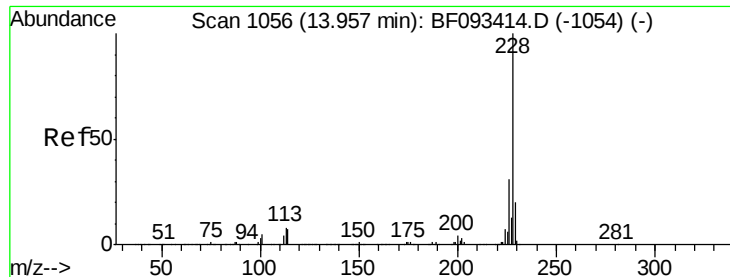


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 25.33 ng

RT: 13.97 min Scan# 1057

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

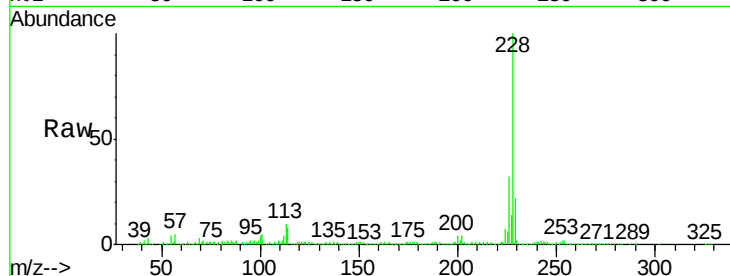
Tgt Ion:228 Resp: 499049

Ion Ratio Lower Upper

228 100

226 32.4 25.4 38.0

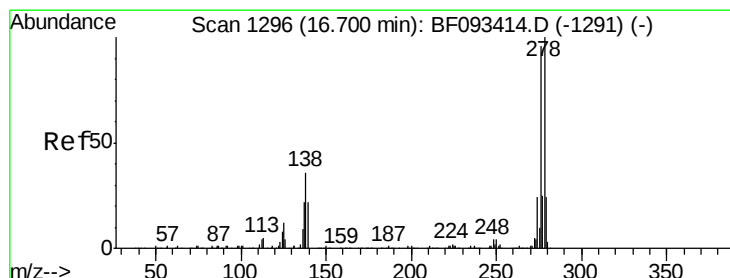
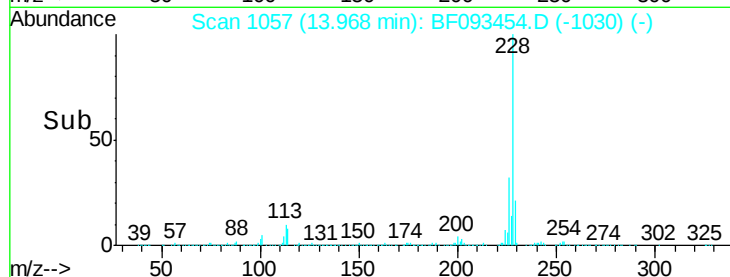
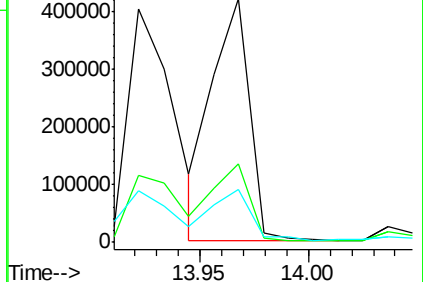
229 21.9 16.2 24.2



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: 10.68 ng

RT: 16.73 min Scan# 1299

Delta R.T. 0.03 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

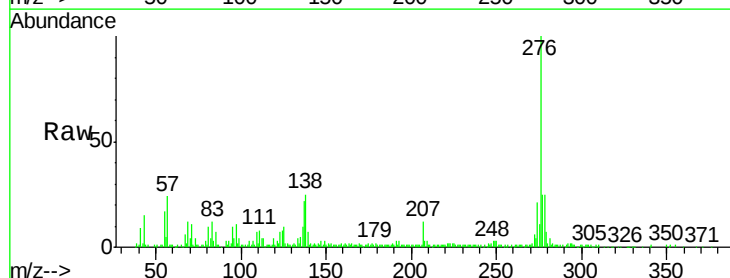
Tgt Ion:276 Resp: 176107

Ion Ratio Lower Upper

276 100

138 25.6 21.8 32.6

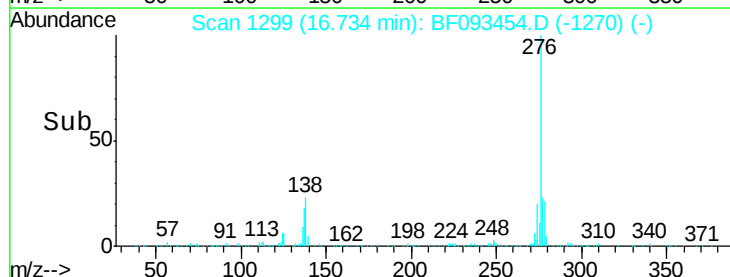
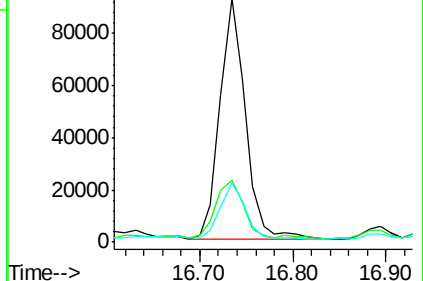
277 23.2 20.2 30.4

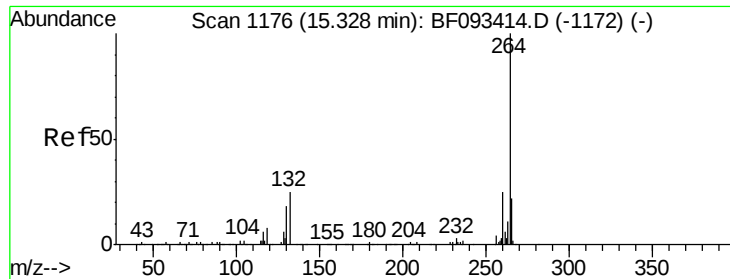


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

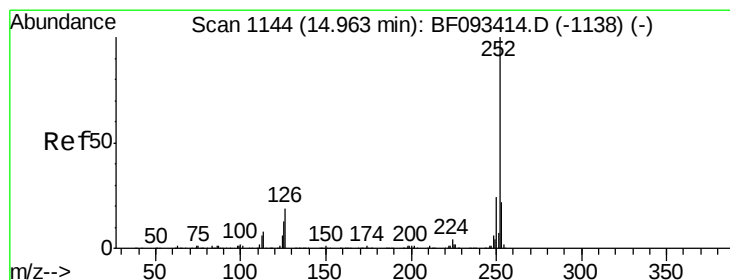
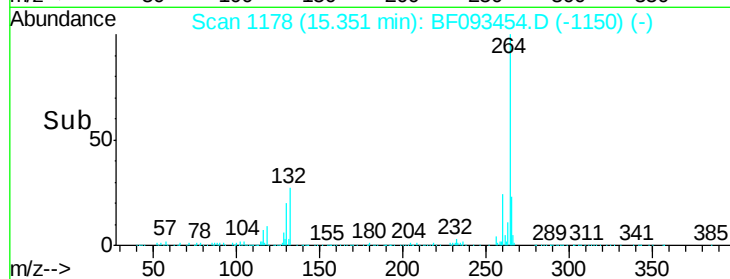
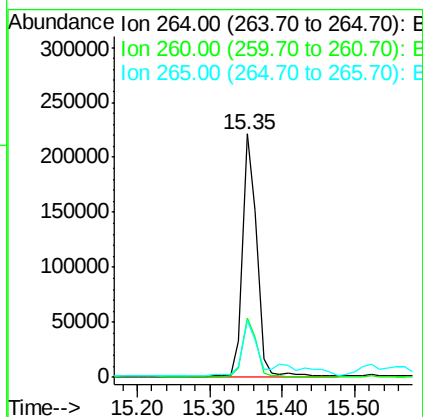
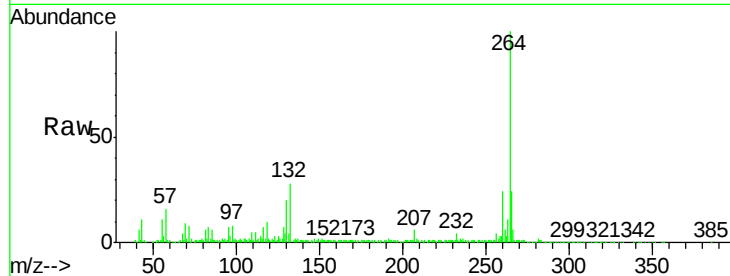




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

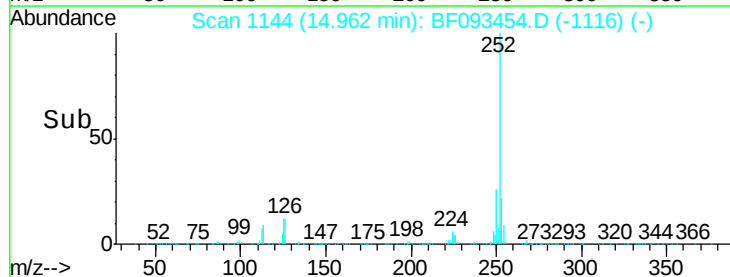
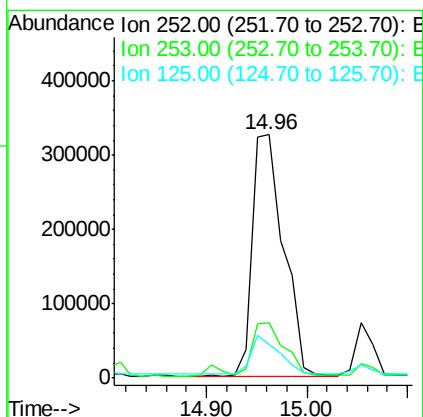
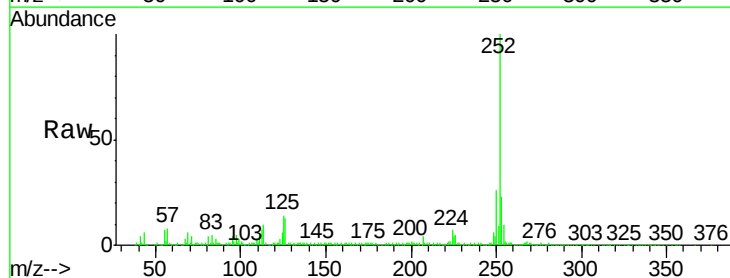
Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

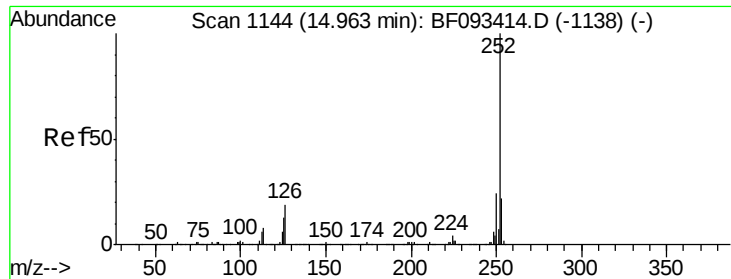
Tgt Ion:264 Resp: 299750
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 23.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 38.71 ng
RT: 14.96 min Scan# 1144
Delta R.T. 0.02 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion:252 Resp: 706609
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 13.8 9.8 14.6

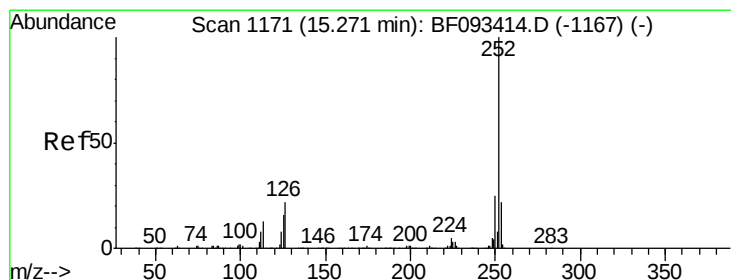
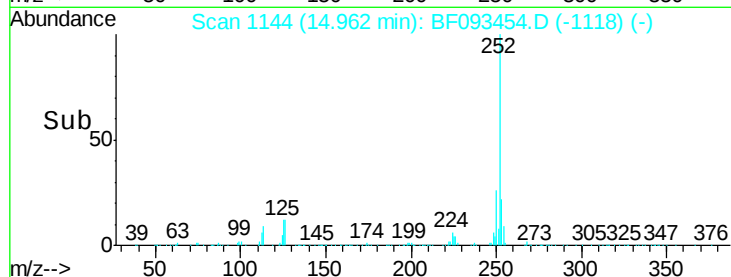
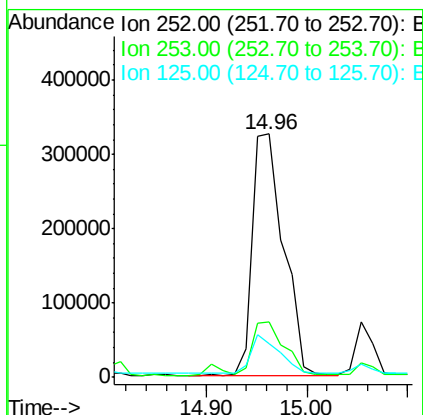
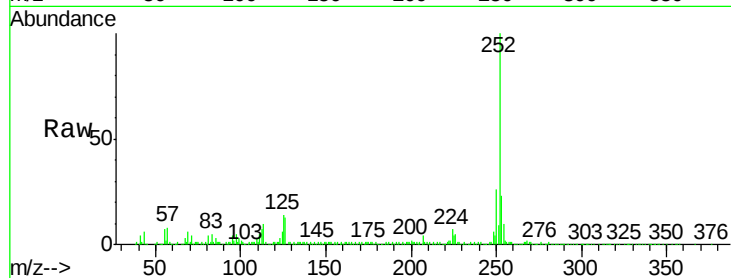




#88
Benzo(k)fluoranthene
Concen: 40.14 ng
RT: 14.96 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

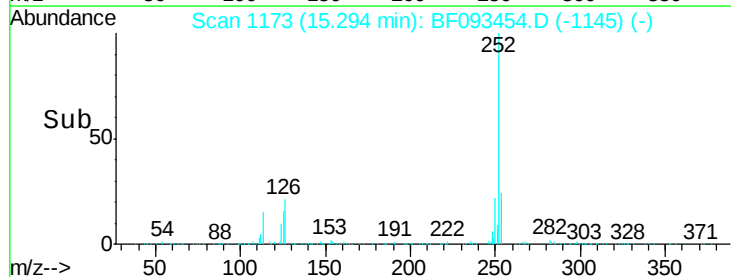
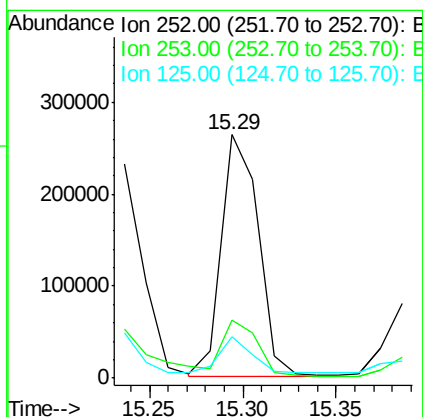
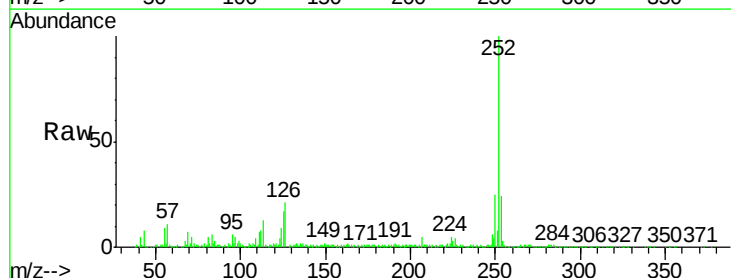
Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

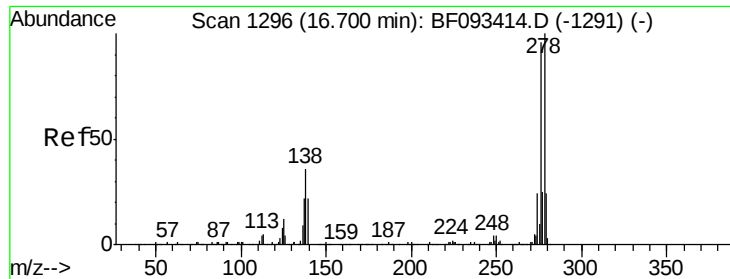
Tgt Ion:252 Resp: 706609
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 13.8 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 21.89 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion:252 Resp: 365161
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 17.3 10.0 15.0#





#90

Dibenzo(a,h)anthracene

Concen: 3.30 ng

RT: 16.73 min Scan# 1299

Delta R.T. 0.03 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

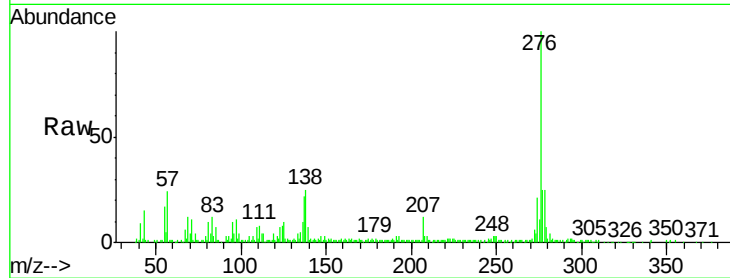
Tgt Ion:278 Resp: 45595

Ion Ratio Lower Upper

278 100

139 29.0 14.8 22.2#

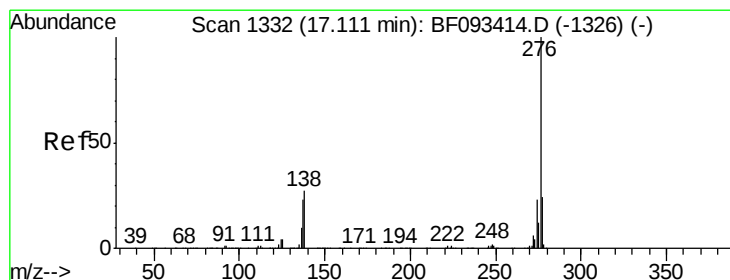
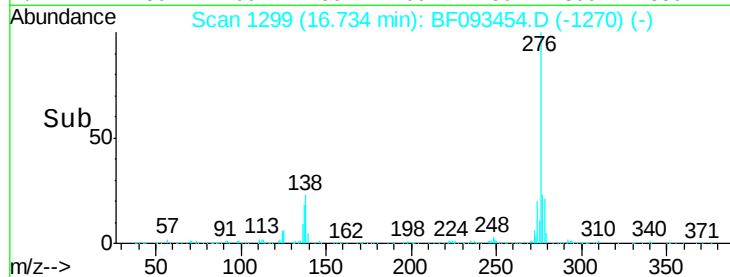
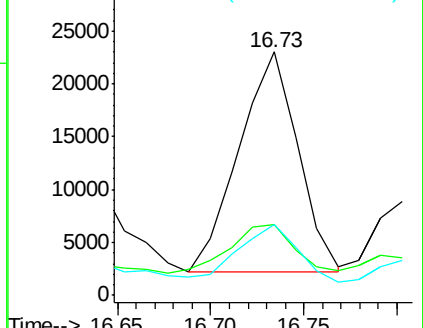
279 29.0 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.75 ng

RT: 17.16 min Scan# 1336

Delta R.T. 0.05 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

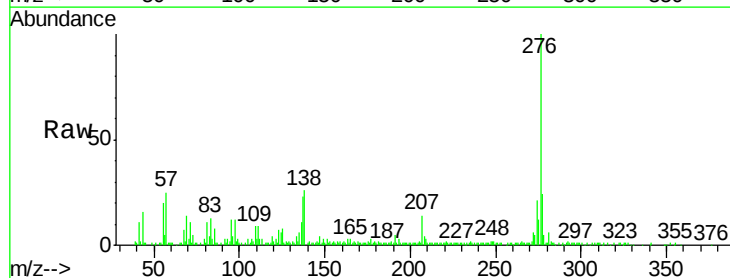
Tgt Ion:276 Resp: 166506

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 26.4 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

