

Data File : BF093221.D
Acq On : 27 Feb 2017 22:57
Operator : SJ/MA
Sample : I1997-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Quant Time: Feb 27 23:54:50 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	6.82	152	173937	20.00	ng	-0.03
21) Naphthalene-d8	8.11	136	651803	20.00	ng	-0.03
38) Acenaphthene-d10	9.86	164	311293	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	494108	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	359797	20.00	ng	-0.03
86) Perylene-d12	15.41	264	314517	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1073877	105.92	ng	-0.02
7) Phenol-d6	6.48	99	1530466	117.32	ng	-0.01
23) Nitrobenzene-d5	7.39	82	921260	78.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.65	330	250416	111.22	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1447417	84.24	ng	-0.03
78) Terphenyl-d14	12.93	244	1039501	67.88	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	123702	14.90	ng	# 81
25) Isophorone	7.39	82	701410	32.16	ng	# 65
32) Benzoic acid	7.92	122	232	7.20	ng	# 1
49) Dimethylphthalate	9.58	163	546040	26.04	ng	99
56) 2,4-Dinitrotoluene	9.86	165	40982	6.80	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.65	198	436	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	17168	3.33	ng	# 1
70) Phenanthrene	11.37	178	239180	8.45	ng	97
74) Fluoranthene	12.56	202	368222	12.61	ng	96
77) Pyrene	12.79	202	346904	12.88	ng	97
80) Benzo(a)anthracene	13.97	228	204301	9.28	ng	98
82) Chrysene	14.01	228	137802	6.69	ng	98
85) Indeno(1,2,3-cd)pyrene	16.81	276	98600	6.18	ng	96
87) Benzo(b)fluoranthene	15.00	252	299085	14.45	ng	98
88) Benzo(k)fluoranthene	15.00	252	299085	16.73	ng	# 96
89) Benzo(a)pyrene	15.36	252	175468	9.80	ng	96
90) Dibenzo(a,h)anthracene	16.81	278	30385	2.10	ng	# 83
91) Benzo(g,h,i)perylene	17.23	276	97880	6.69	ng	# 93

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

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E2-B1E-ESW-1

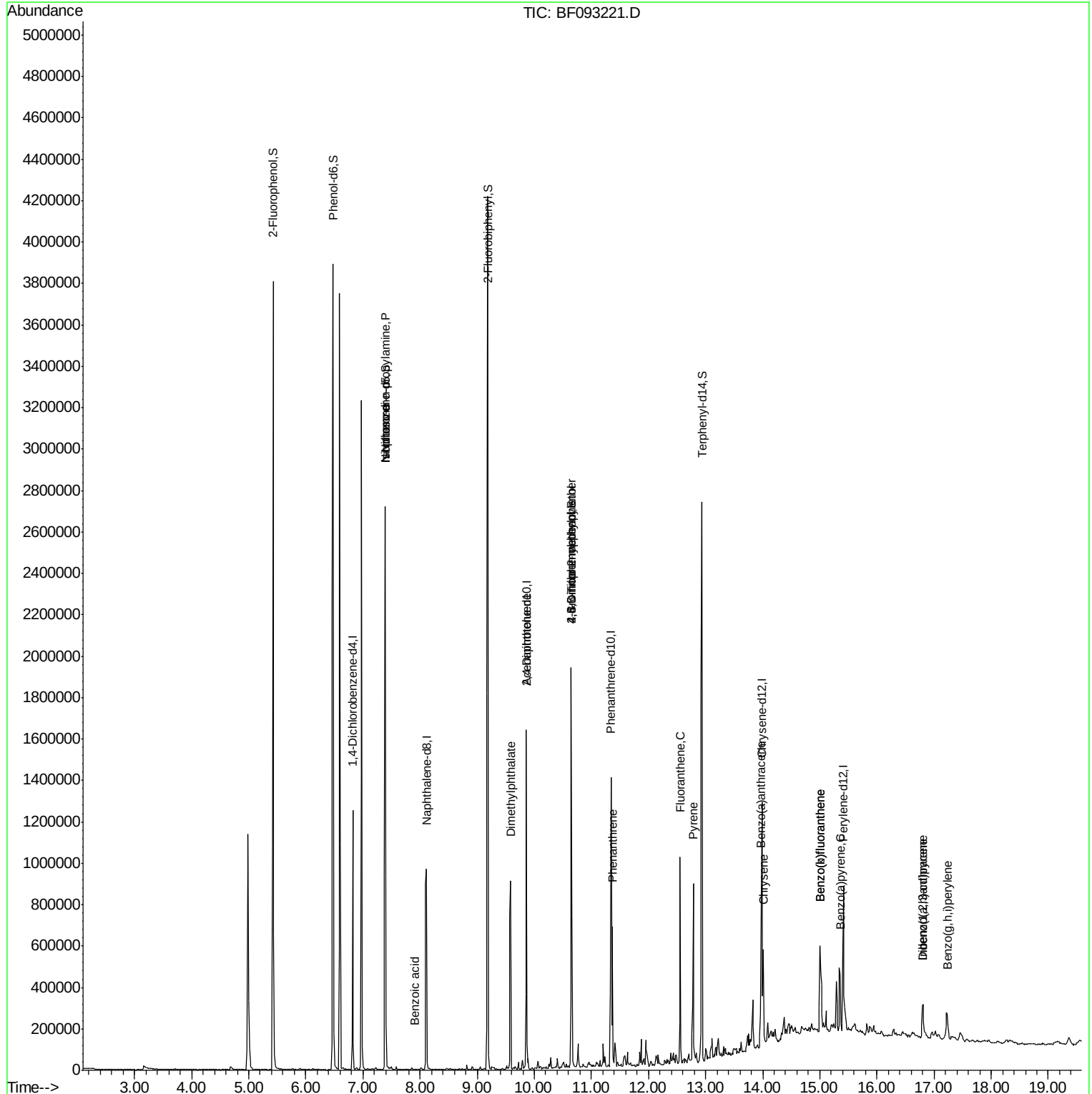
Quant Time: Feb 27 23:54:50 2017

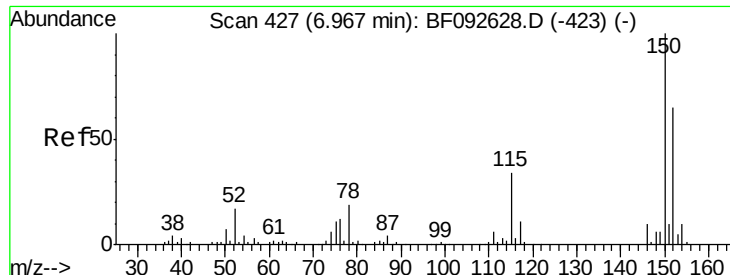
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

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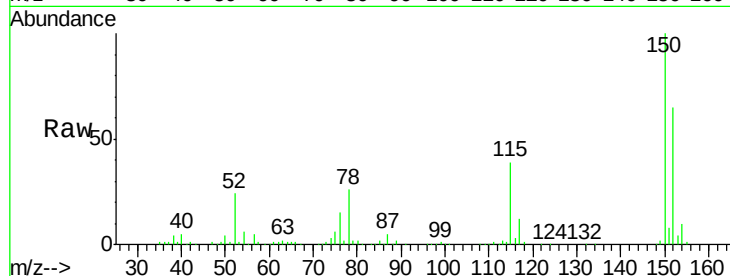


#1

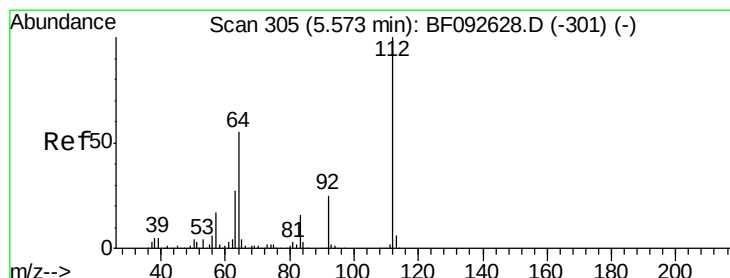
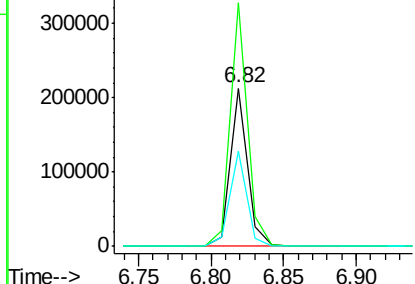
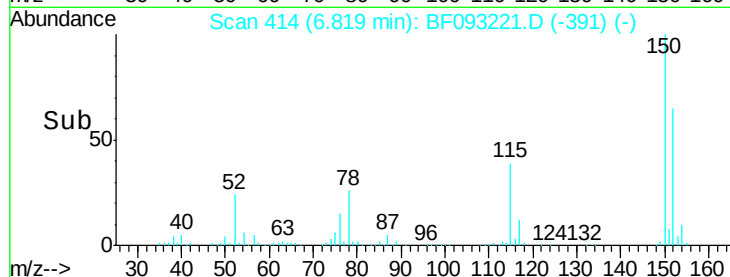
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.03 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tgt Ion:152 Resp: 173937
Ion Ratio Lower Upper
152 100
150 154.1 124.9 187.3
115 60.5 46.0 69.0



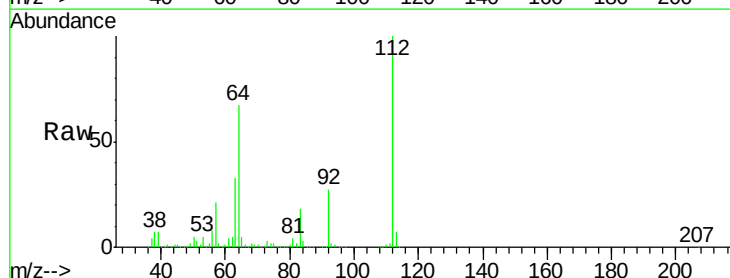
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



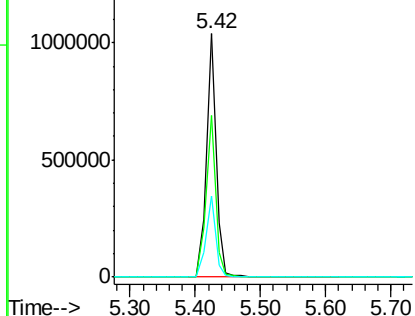
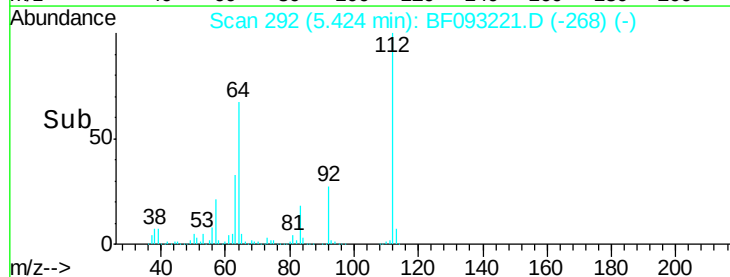
#5

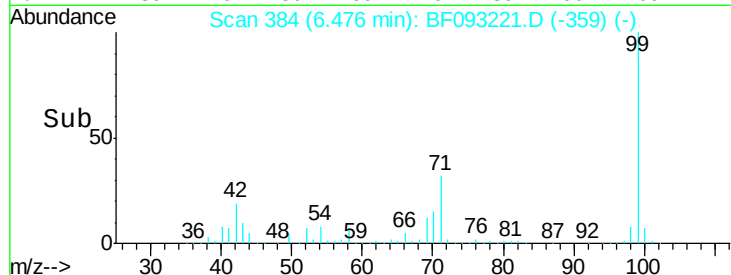
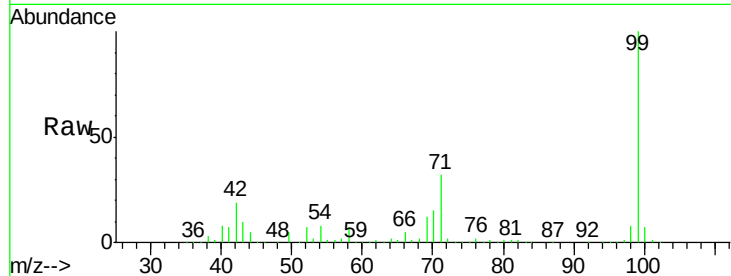
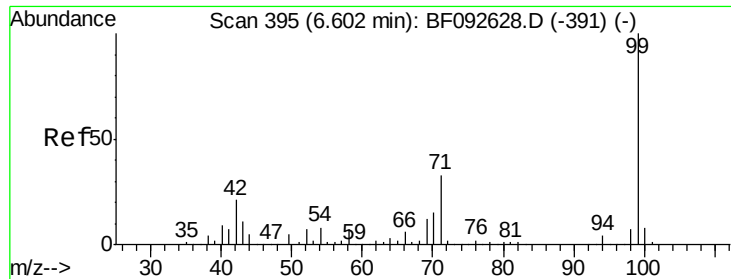
2-Fluorophenol
Concen: 105.92 ng
RT: 5.42 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion:112 Resp: 1073877
Ion Ratio Lower Upper
112 100
64 66.6 46.1 69.1
63 33.2 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: 117.32 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

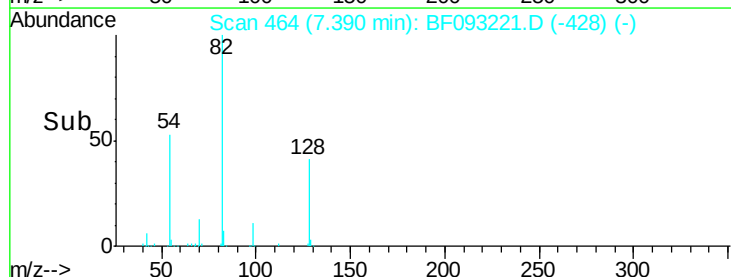
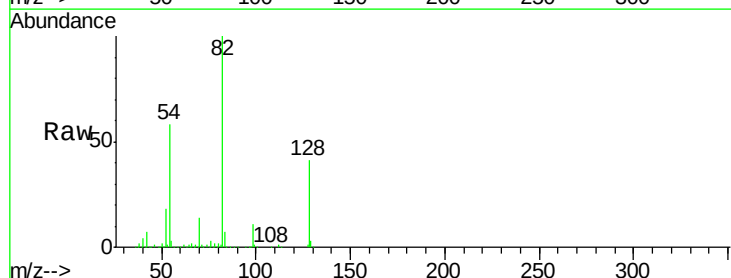
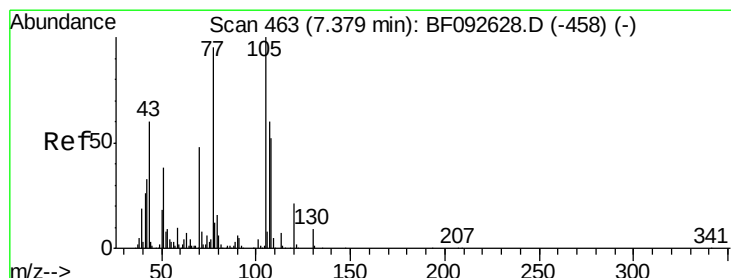
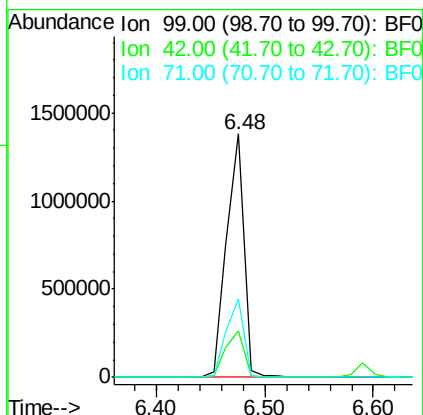
Tgt Ion: 99 Resp: 1530466

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

71 32.2 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.90 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.11 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Tgt Ion: 70 Resp: 123702

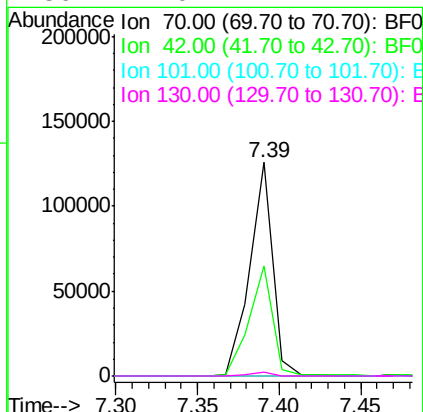
Ion Ratio Lower Upper

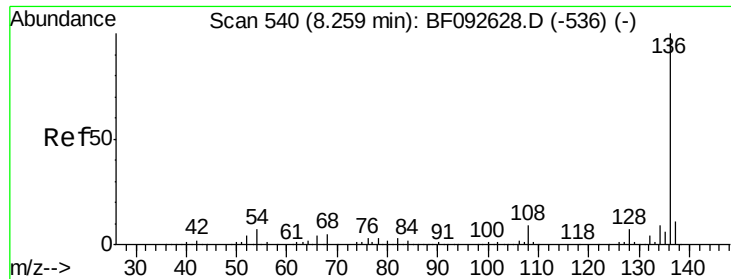
70 100

42 51.4 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

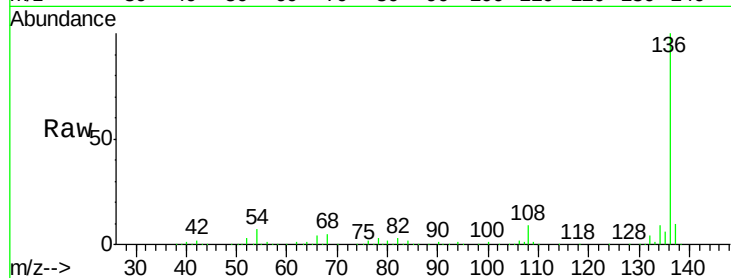




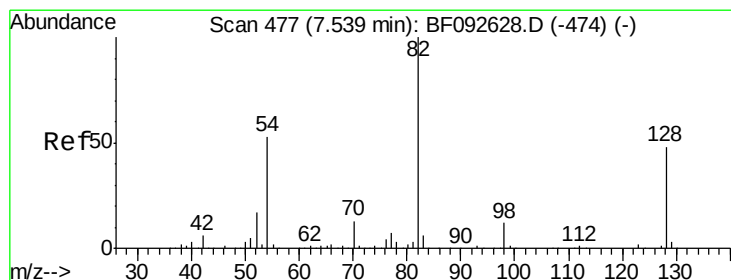
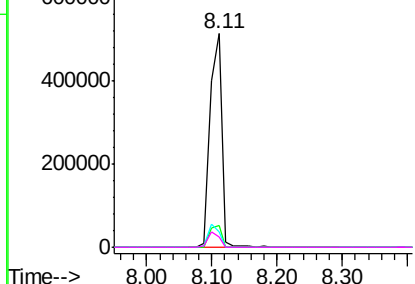
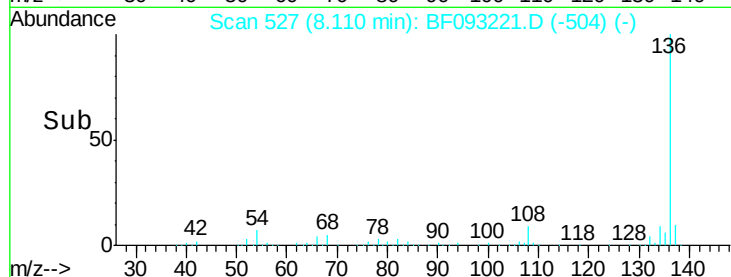
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tgt Ion:	136	Resp:	651803
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.4	12.6
54	7.0	4.5	6.7#
68	5.0	3.6	5.4

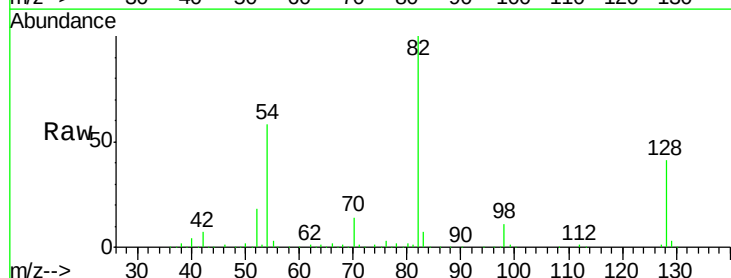


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

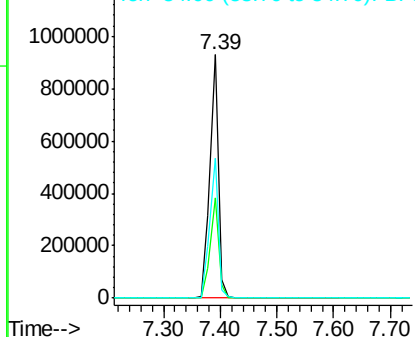
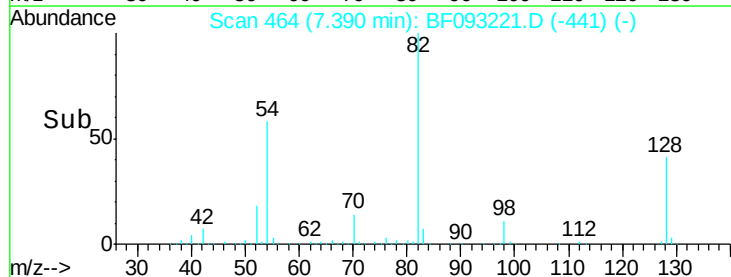


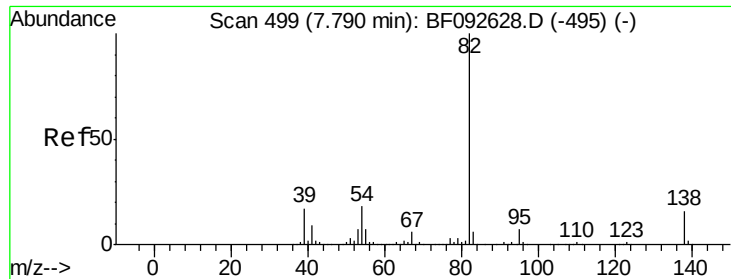
#23
Nitrobenzene-d5
Concen: 78.71 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.03 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion:	82	Resp:	921260
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.6	52.0
54	57.6	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

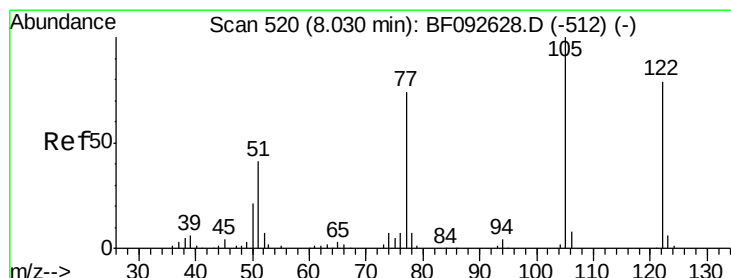
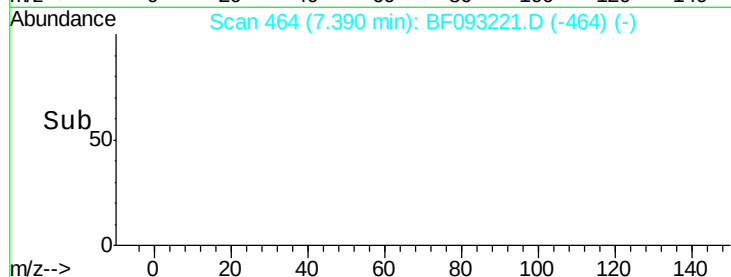
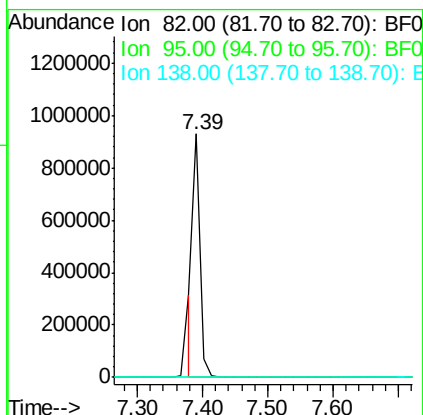
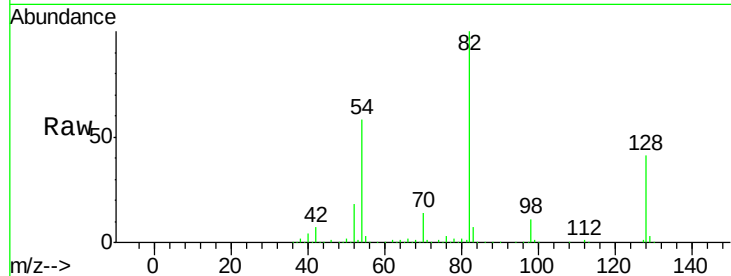




#25
Isophorone
Concen: 32.16 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.30 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

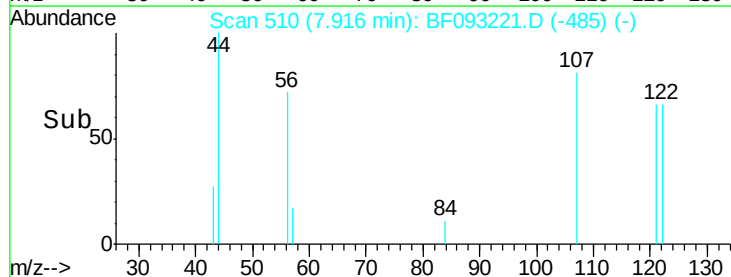
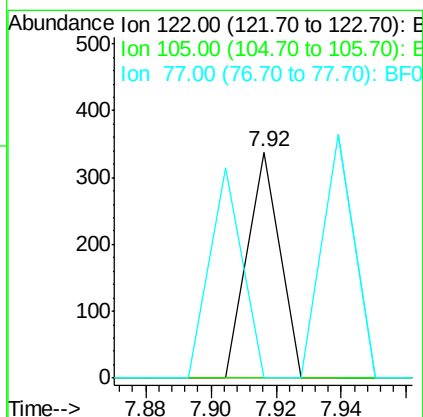
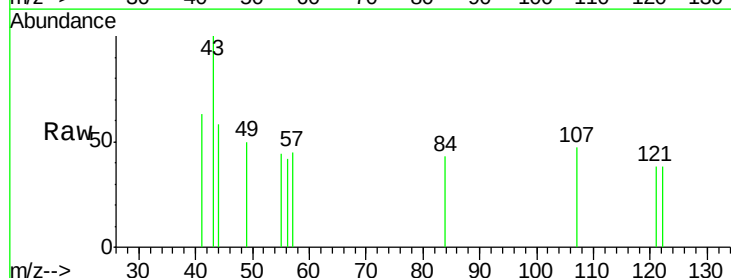
Instrument :
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E2-B1E-ESW-1

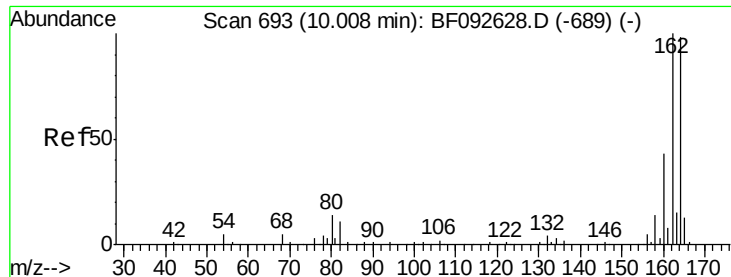
Tgt Ion: 82 Resp: 701410
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.20 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion: 122 Resp: 232
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 0.0 74.5 114.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

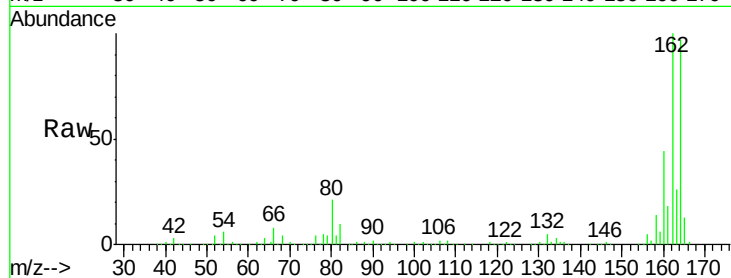
Tgt Ion:164 Resp: 311293

Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

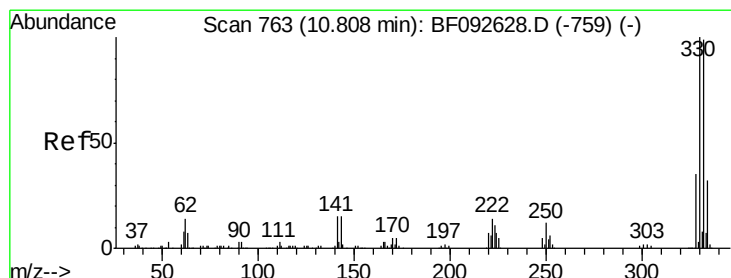
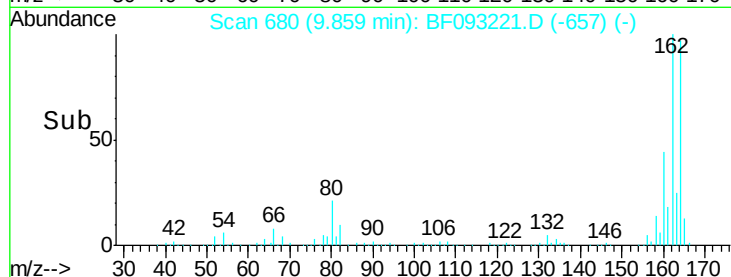
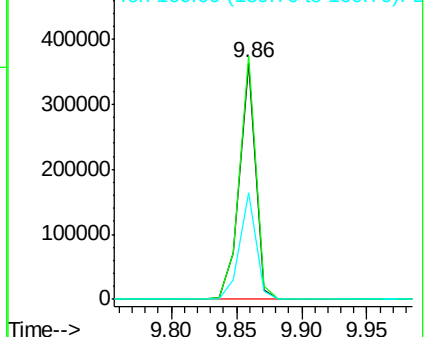
160 45.3 36.9 55.3



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: 111.22 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

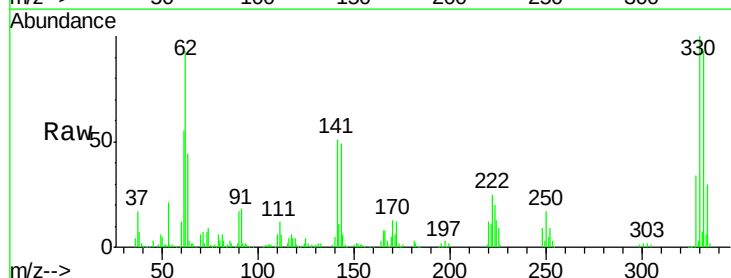
Tgt Ion:330 Resp: 250416

Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.2

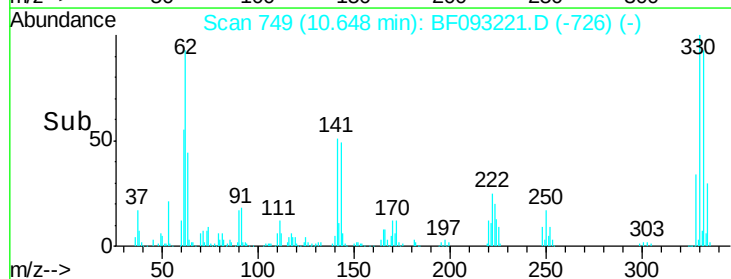
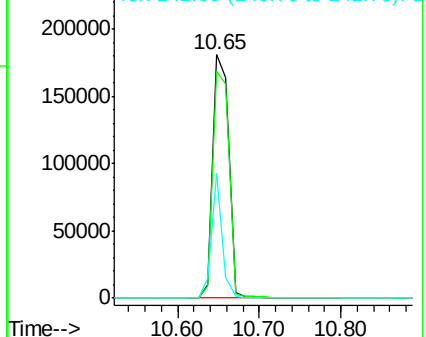
141 34.5 34.1 51.1

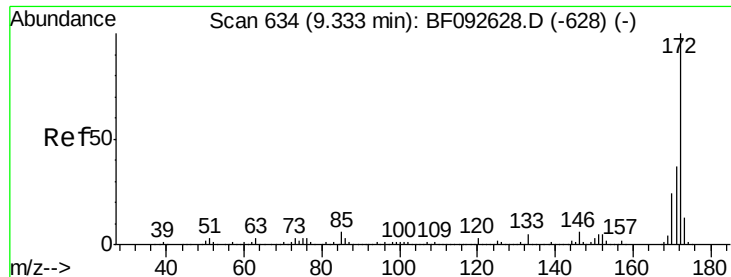


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

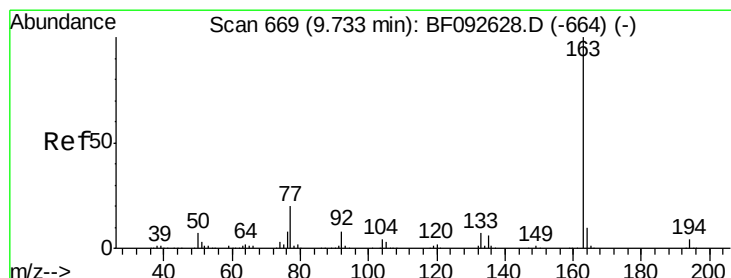
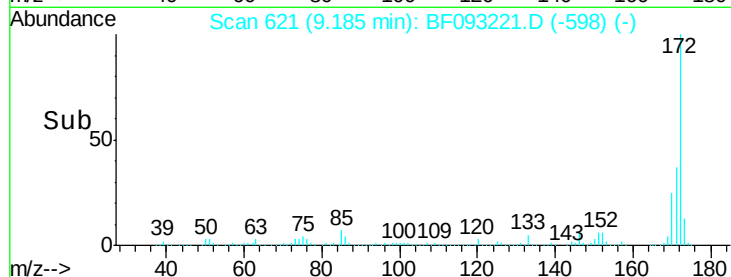
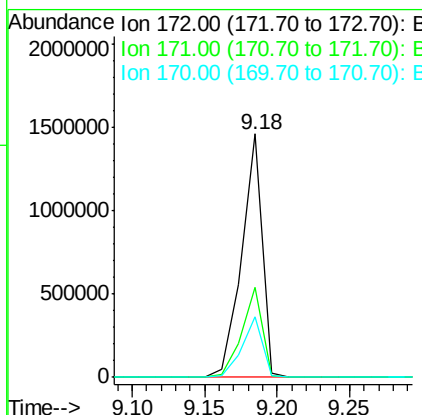
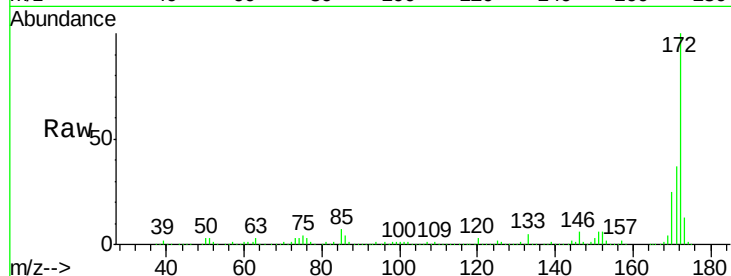




#44
 2-Fluorobiphenyl
 Concen: 84.24 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093221.D
 Acq: 27 Feb 2017 22:57

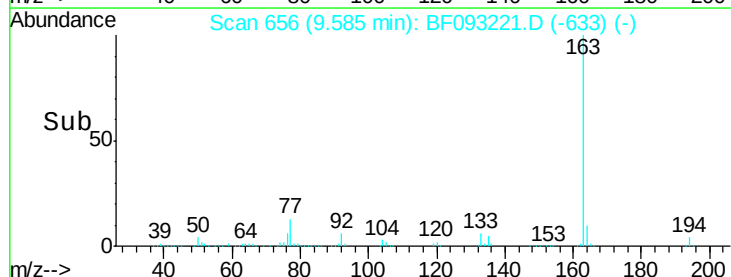
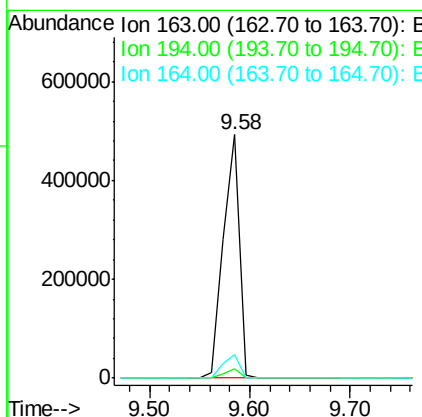
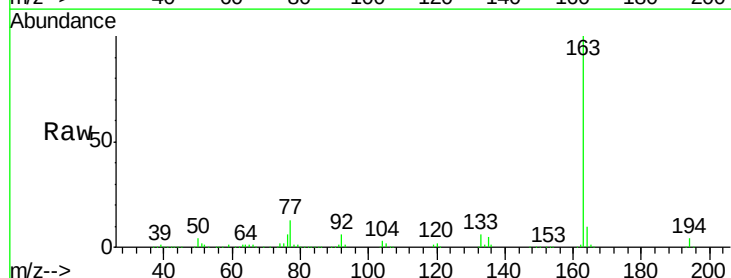
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1E-ESW-1

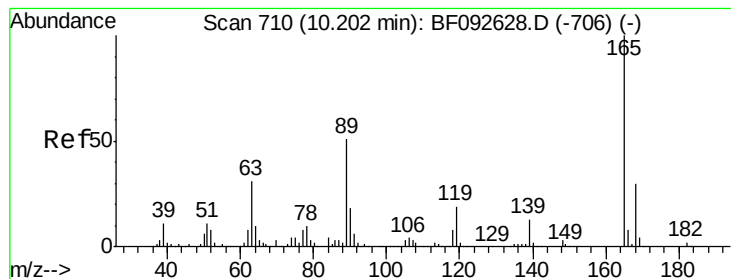
Tgt Ion:172 Resp: 1447417
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 24.7 20.2 30.4



#49
 Dimethylphthalate
 Concen: 26.04 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.03 min
 Lab File: BF093221.D
 Acq: 27 Feb 2017 22:57

Tgt Ion:163 Resp: 546040
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.0 4.4
 164 9.5 8.0 12.0





#56

2,4-Dinitrotoluene

Concen: 6.80 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.23 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

Tgt Ion:165 Resp: 40982

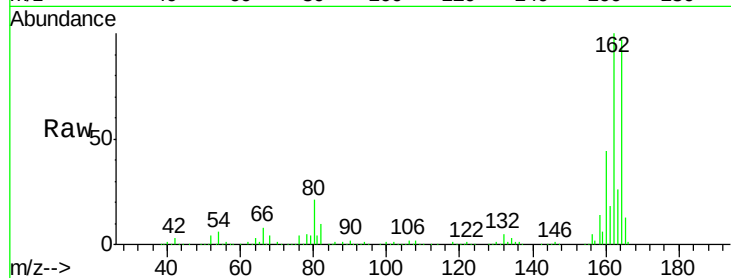
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.6 62.5 93.7#

182 0.0 1.8 2.8#

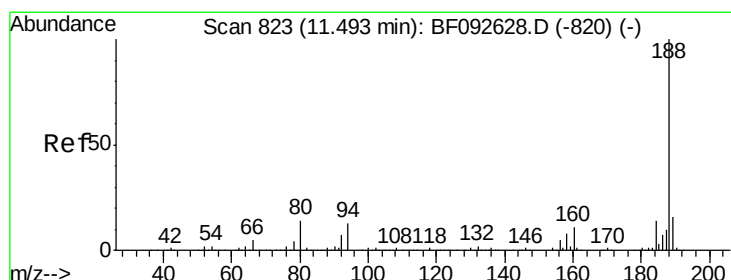
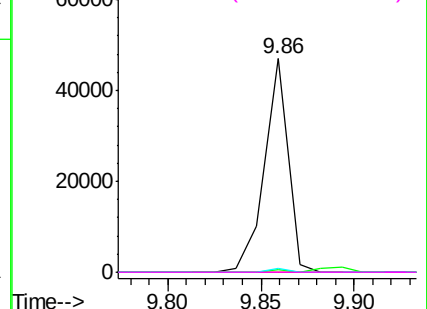
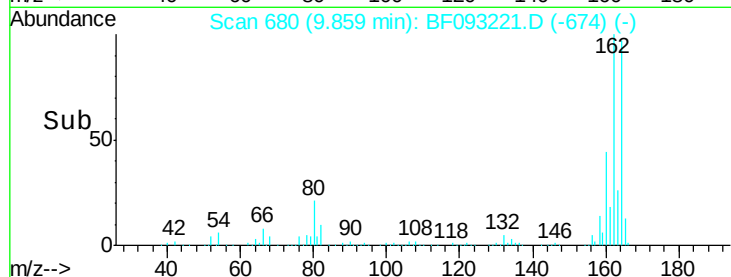


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

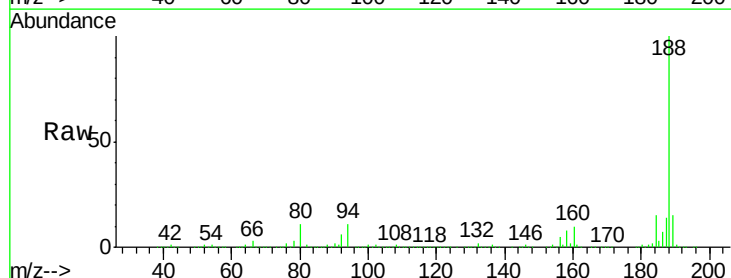
Tgt Ion:188 Resp: 494108

Ion Ratio Lower Upper

188 100

94 10.7 10.0 15.0

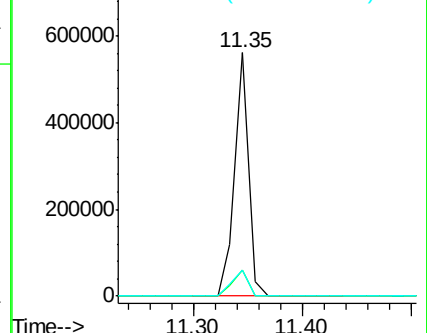
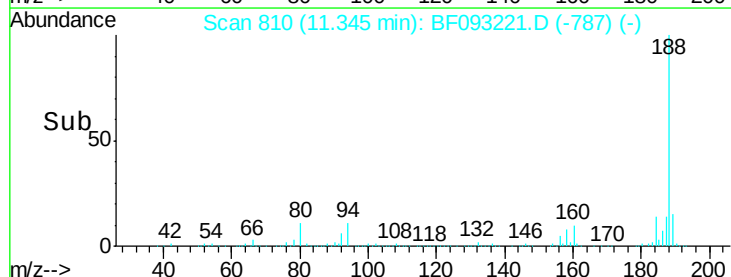
80 10.9 11.2 16.8#

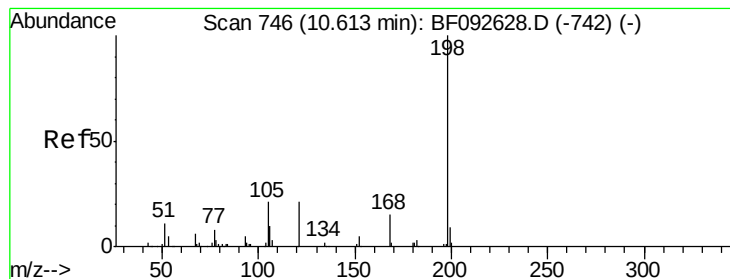


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.65 min Scan# 749

Delta R.T. 0.15 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

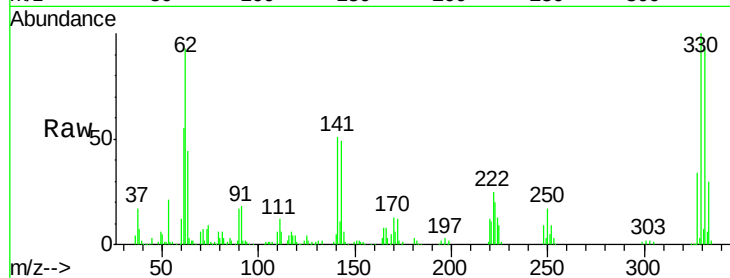
Tgt Ion:198 Resp: 436

Ion Ratio Lower Upper

198 100

51 280.3 6.7 46.7#

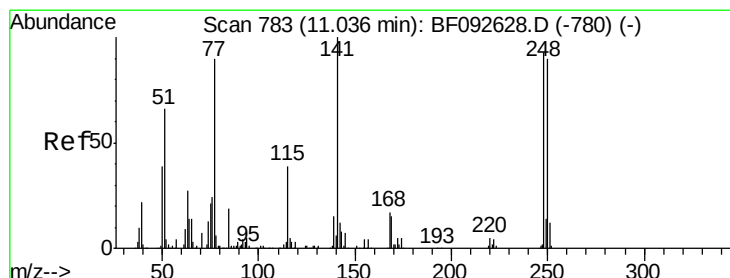
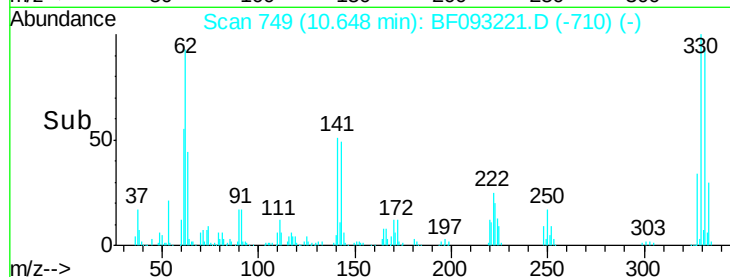
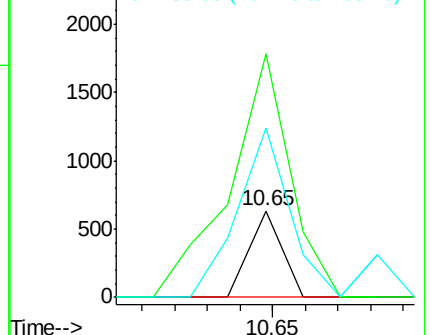
105 195.3 16.6 56.6#



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: 3.33 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.27 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

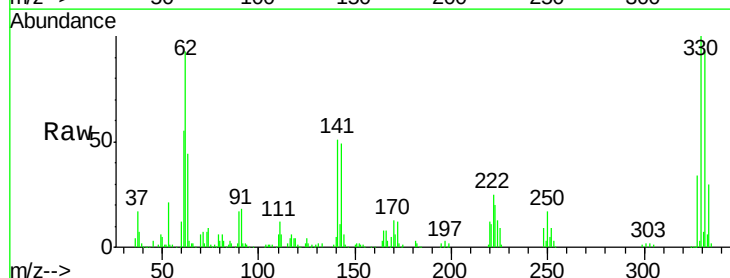
Tgt Ion:248 Resp: 17168

Ion Ratio Lower Upper

248 100

250 192.1 76.9 115.3#

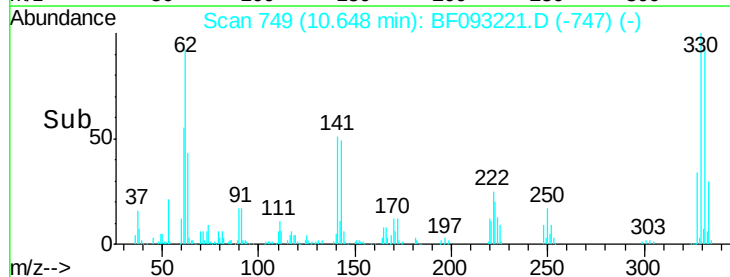
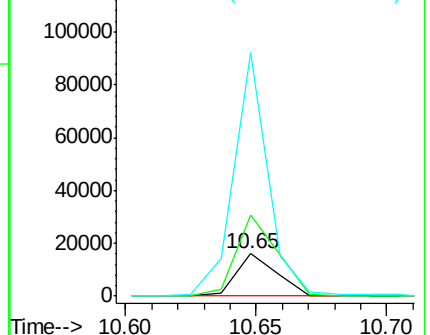
141 576.4 68.2 102.4#

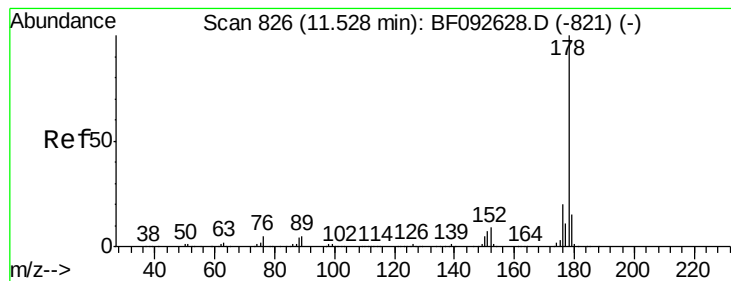


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.45 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

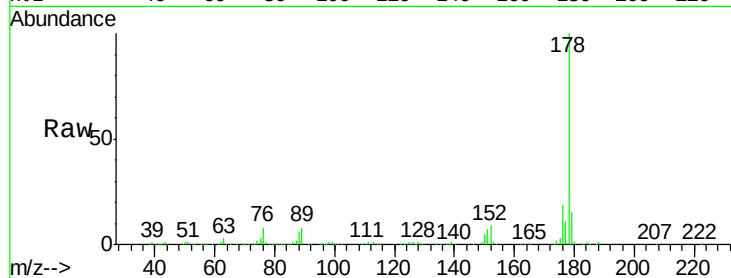
Tgt Ion:178 Resp: 239180

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

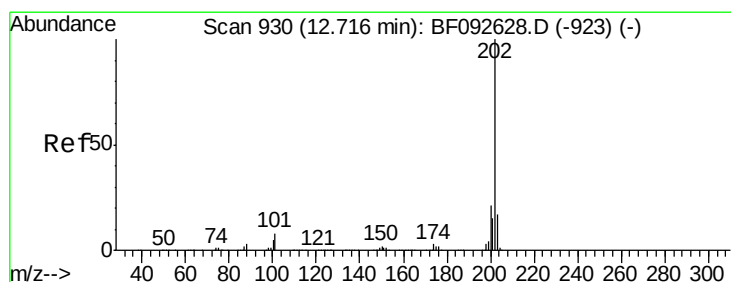
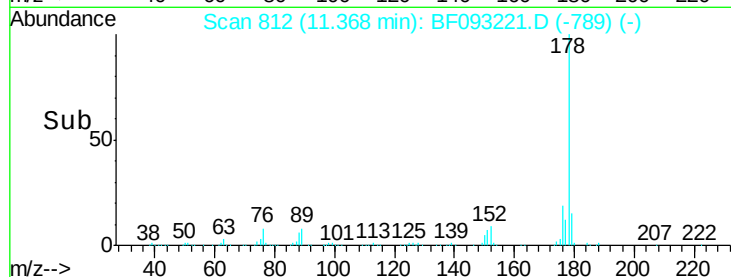
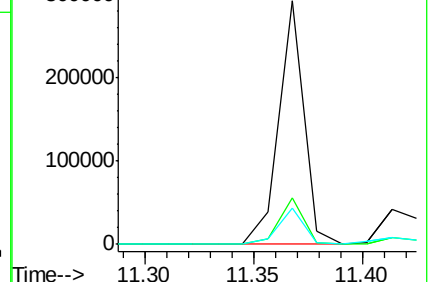
179 15.0 12.8 19.2



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: 12.61 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

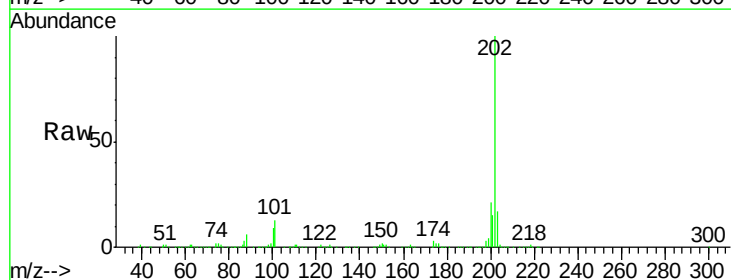
Tgt Ion:202 Resp: 368222

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.6

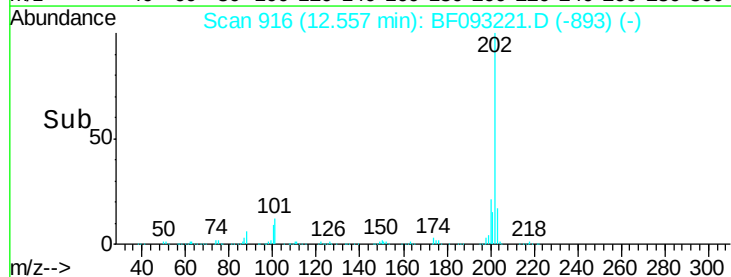
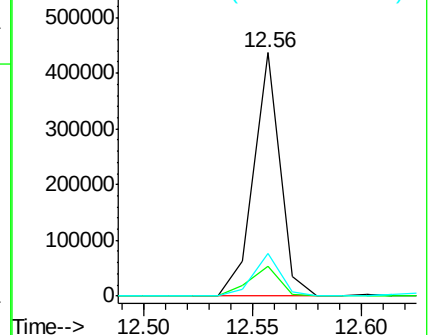
203 17.5 0.0 38.7

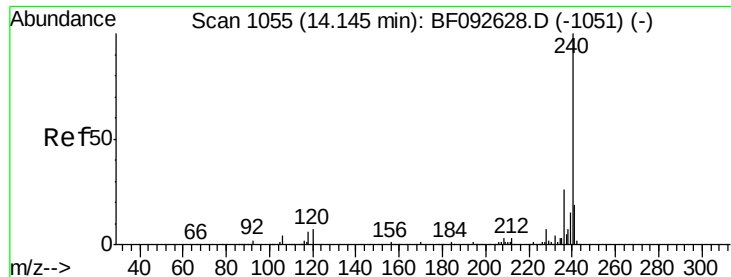


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

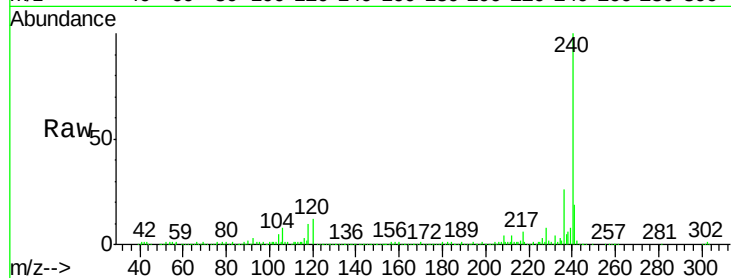
Tgt Ion:240 Resp: 359797

Ion Ratio Lower Upper

240 100

120 12.3 12.9 19.3#

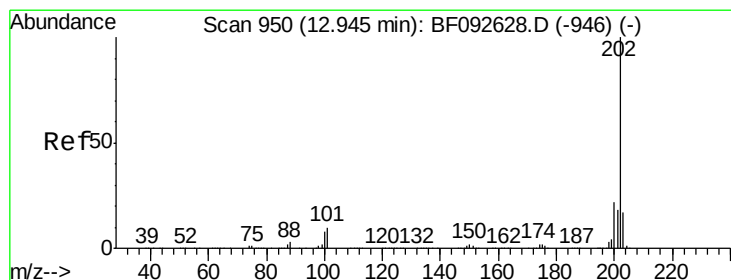
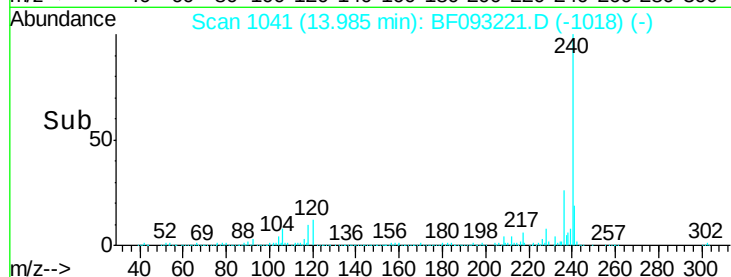
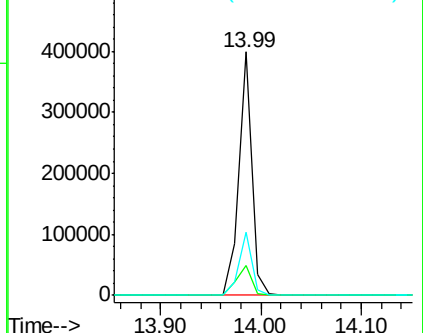
236 25.9 20.9 31.3



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: 12.88 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

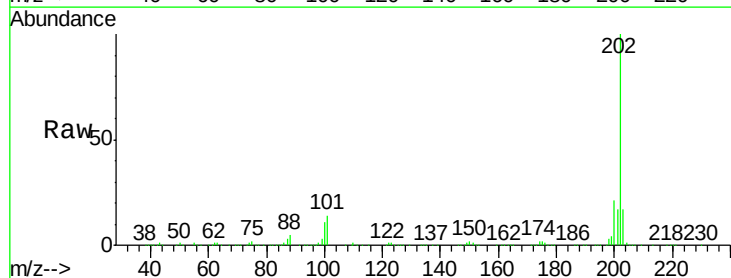
Tgt Ion:202 Resp: 346904

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

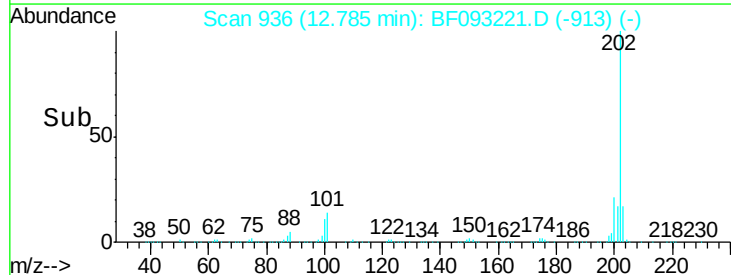
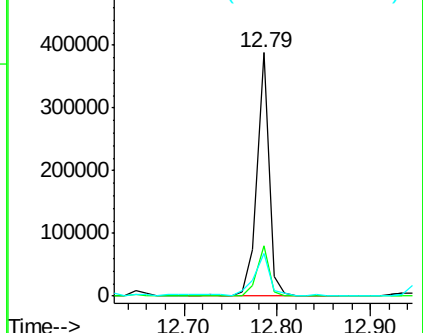
203 17.3 14.7 22.1

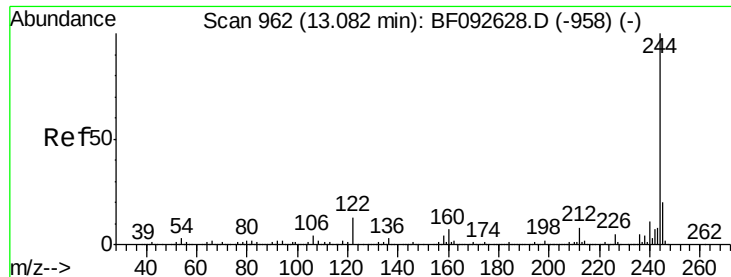


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.88 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

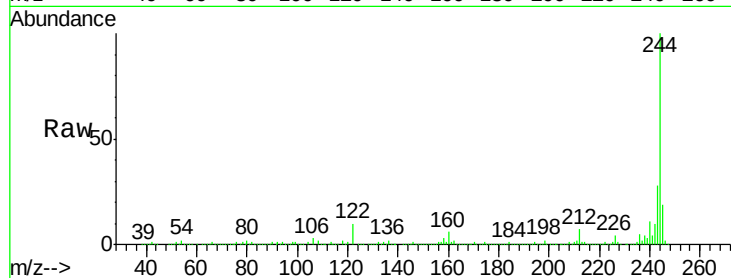
Tgt Ion:244 Resp: 1039501

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

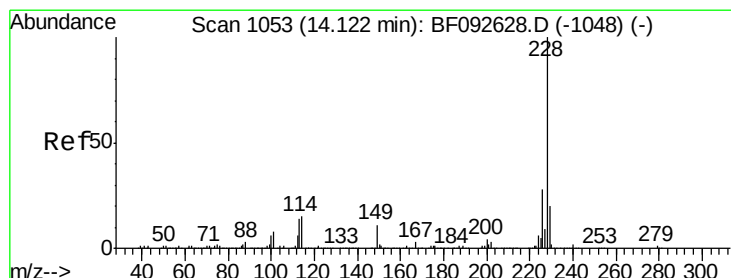
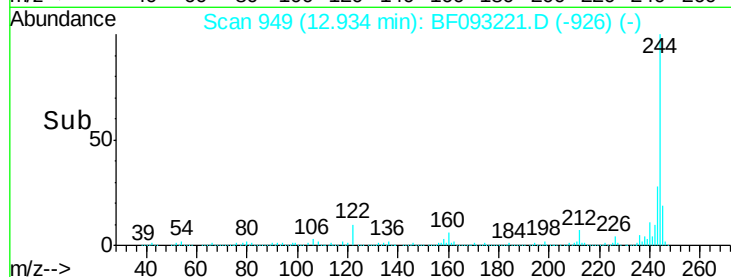
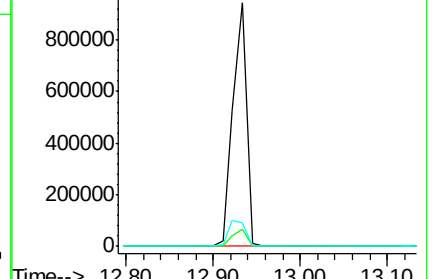
122 9.6 11.4 17.2#



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: 9.28 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

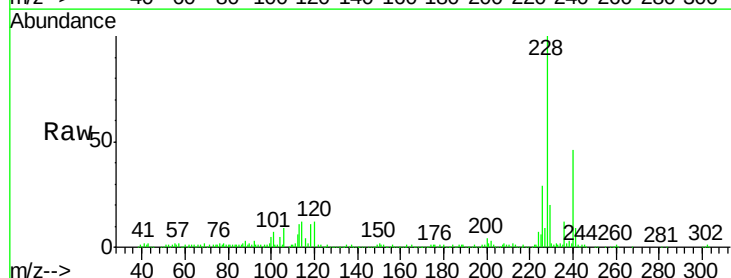
Tgt Ion:228 Resp: 204301

Ion Ratio Lower Upper

228 100

226 29.4 22.4 33.6

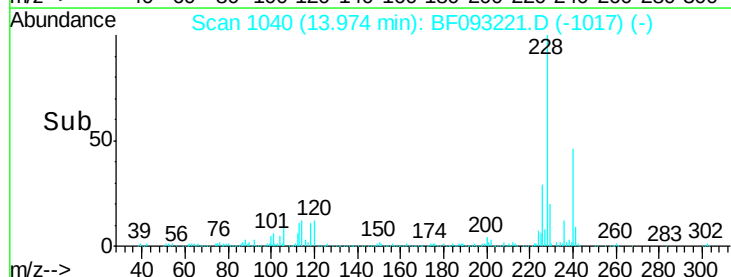
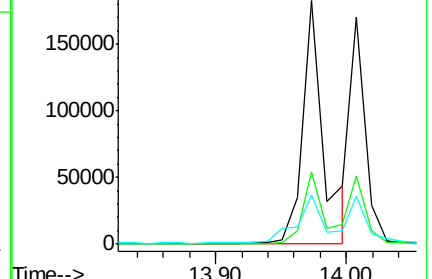
229 20.4 16.2 24.4

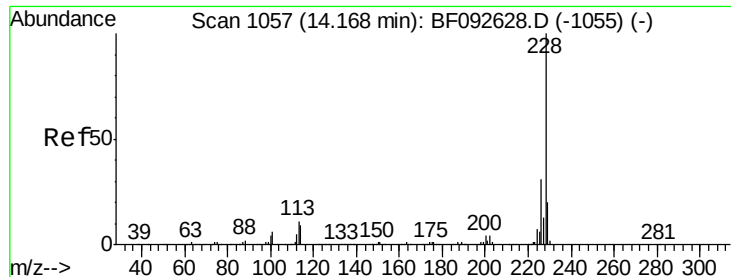


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.69 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

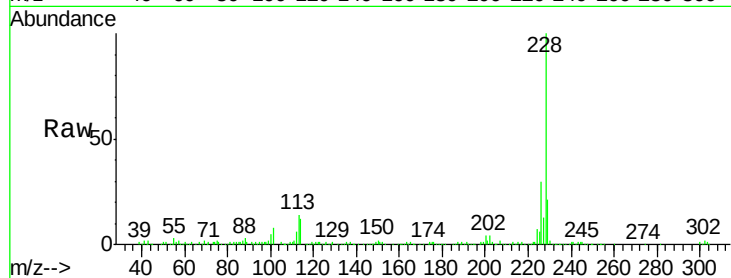
Tgt Ion:228 Resp: 137802

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

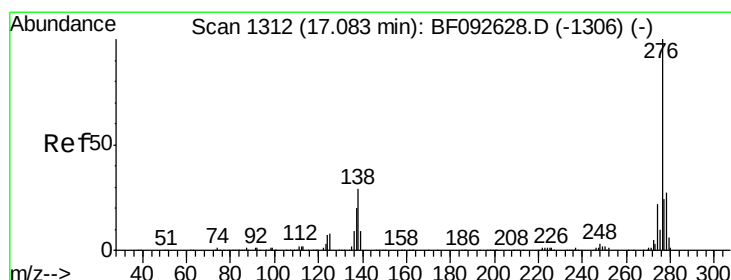
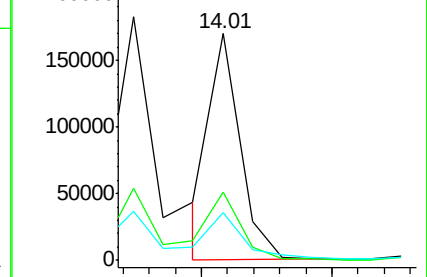
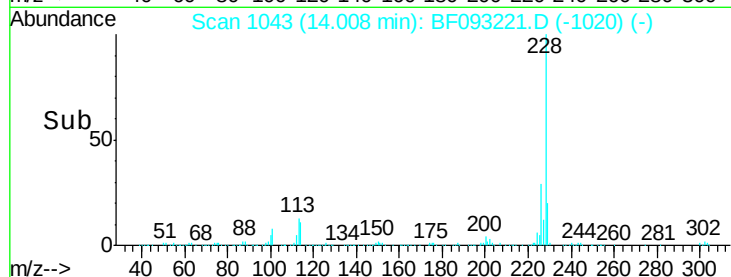
229 21.0 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.18 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

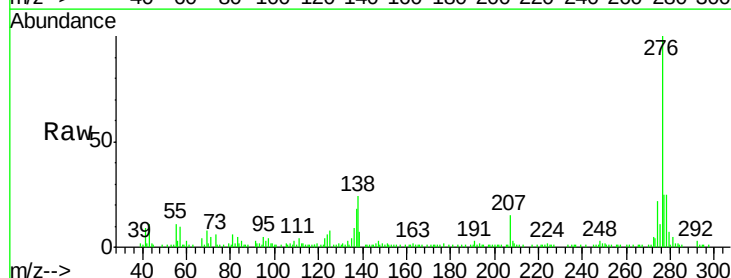
Tgt Ion:276 Resp: 98600

Ion Ratio Lower Upper

276 100

138 29.4 21.8 32.6

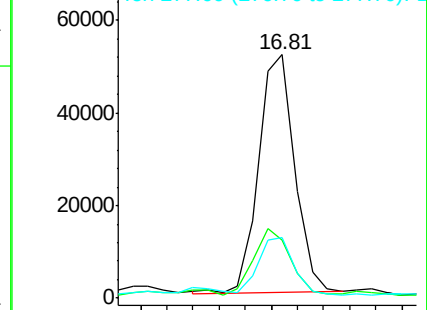
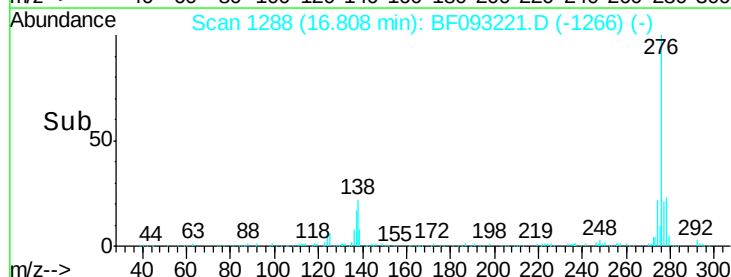
277 23.3 20.2 30.4

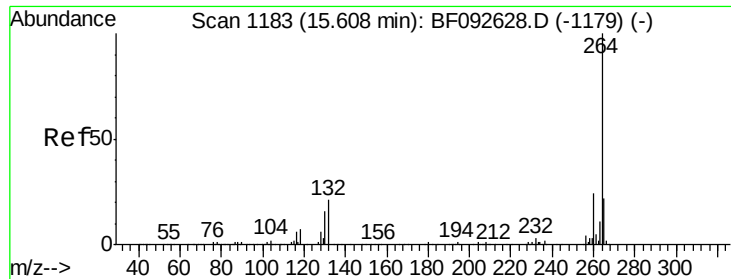


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



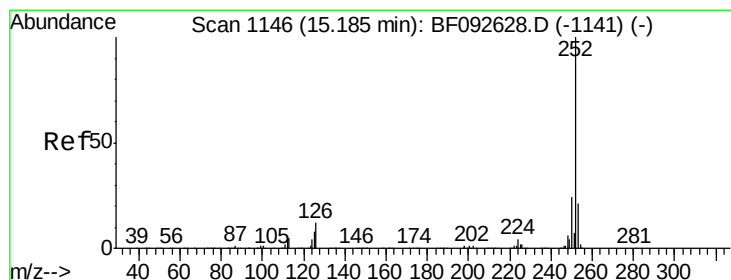
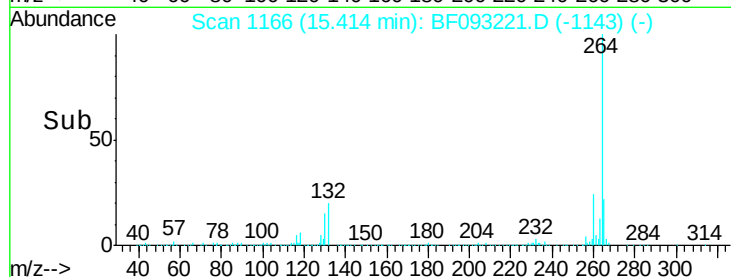
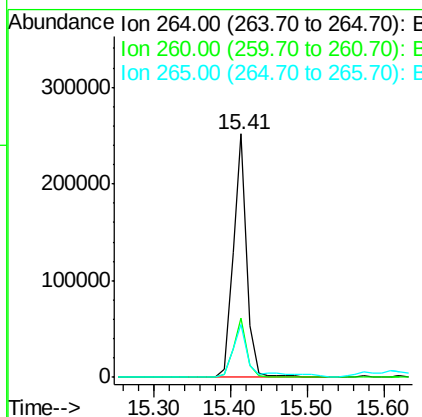
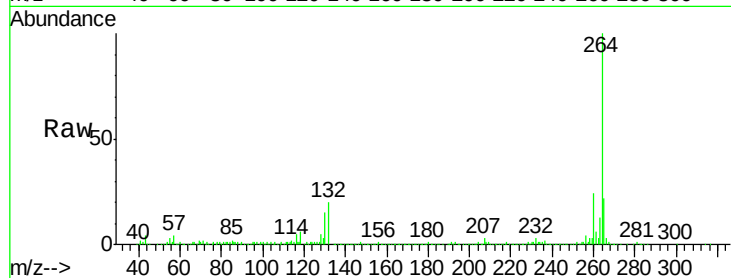


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Instrument :
BNA_F
ClientSampleId :
E2-B1E-ESW-1

Tgt Ion: 264 Resp: 314517

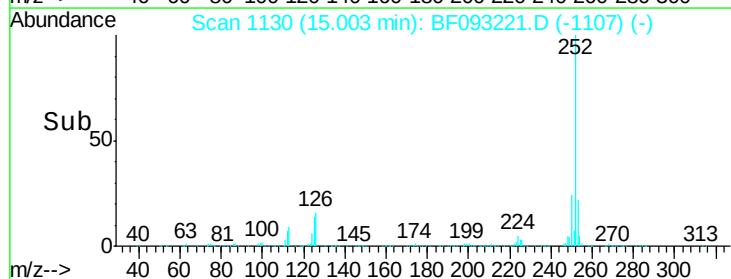
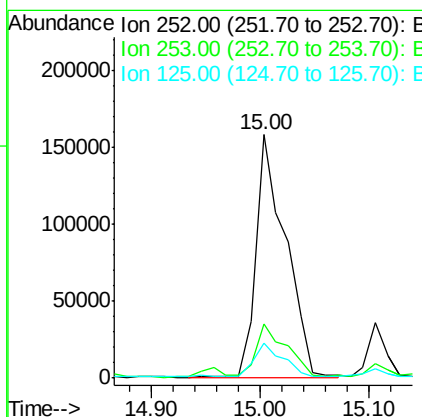
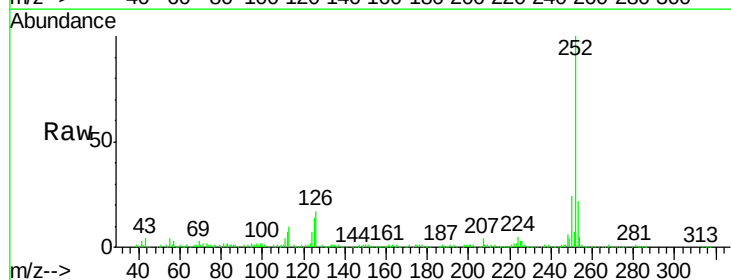
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.4	26.0

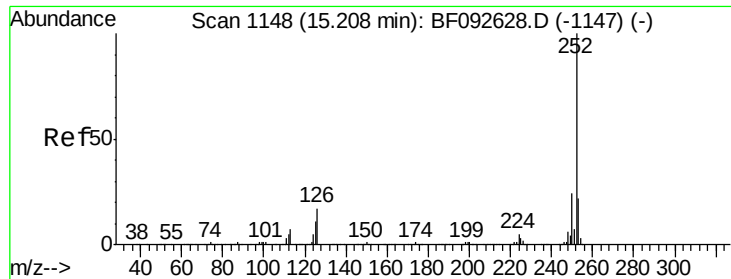


#87
Benzo(b)fluoranthene
Concen: 14.45 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093221.D
Acq: 27 Feb 2017 22:57

Tgt Ion: 252 Resp: 299085

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.3	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 16.73 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

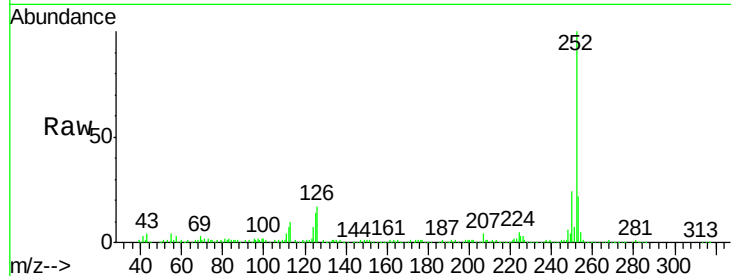
Tgt Ion:252 Resp: 299085

Ion Ratio Lower Upper

252 100

253 22.5 18.5 27.7

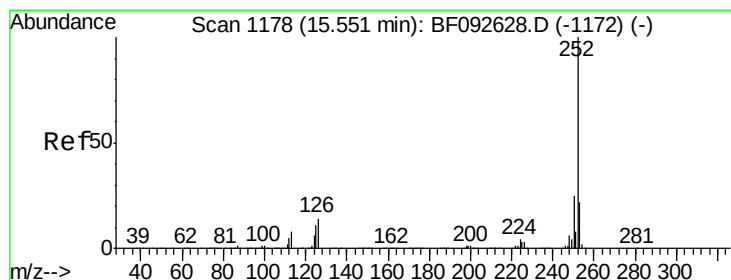
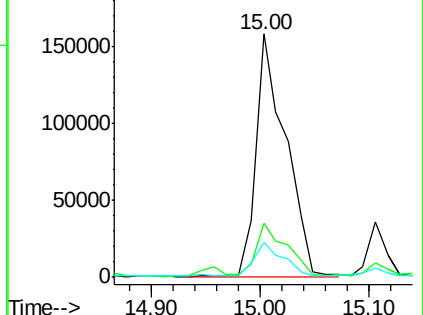
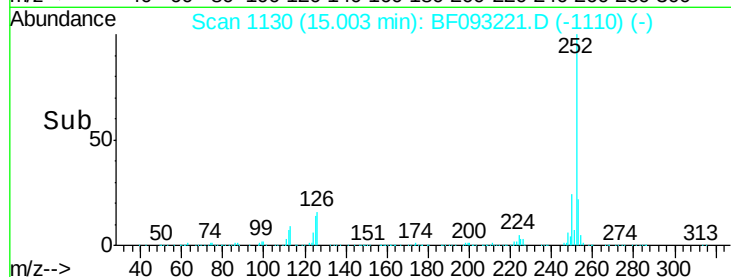
125 14.3 8.9 13.3#



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



#89

Benzo(a)pyrene

Concen: 9.80 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.03 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

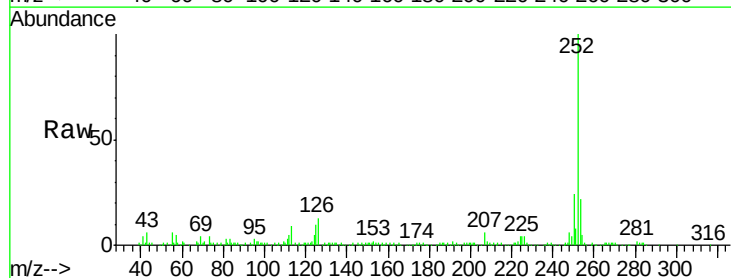
Tgt Ion:252 Resp: 175468

Ion Ratio Lower Upper

252 100

253 21.6 18.2 27.2

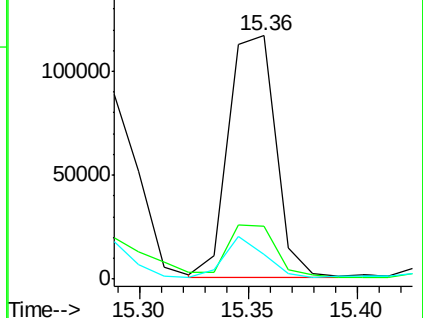
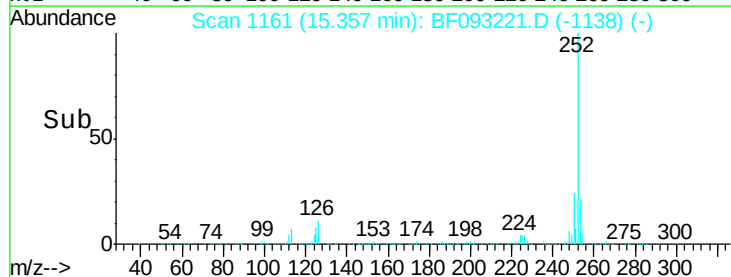
125 10.0 10.0 15.0

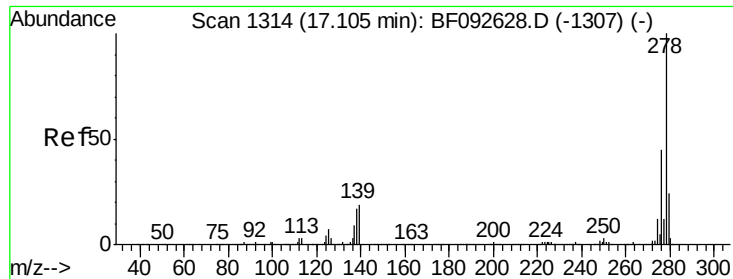


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.10 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.06 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

Instrument :

BNA_F

ClientSampleId :

E2-B1E-ESW-1

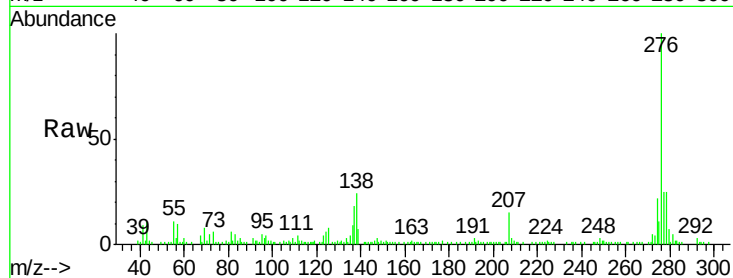
Tgt Ion:278 Resp: 30385

Ion Ratio Lower Upper

278 100

139 30.3 14.8 22.2#

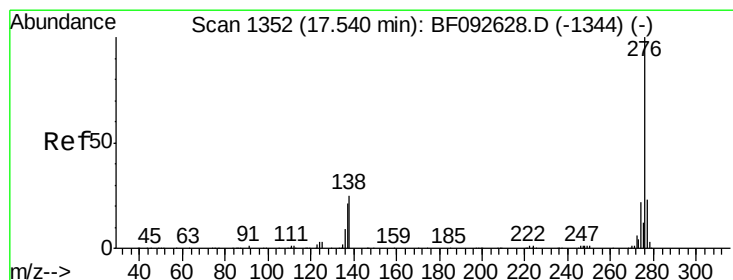
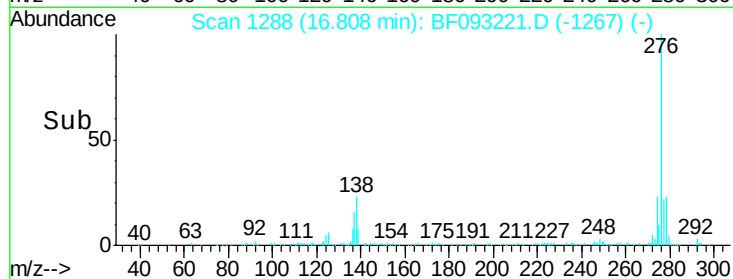
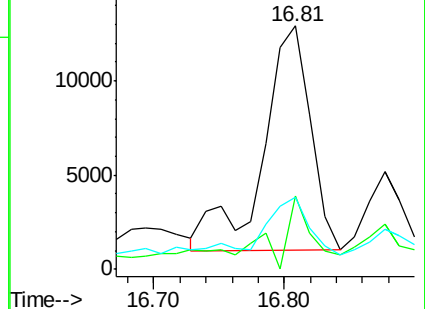
279 29.7 19.8 29.6#



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: 6.69 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.06 min

Lab File: BF093221.D

Acq: 27 Feb 2017 22:57

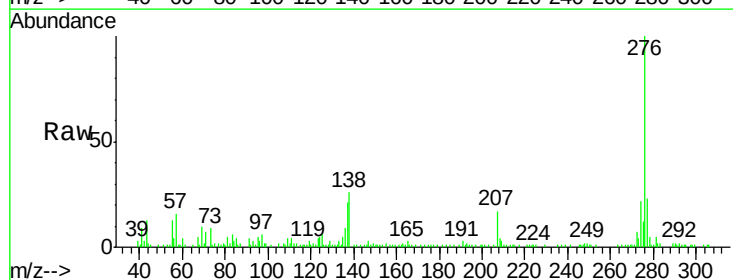
Tgt Ion:276 Resp: 97880

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 26.2 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

