

Data File : BF093266.D
Acq On : 1 Mar 2017 1:47
Operator : SJ/MA
Sample : I1997-03DL 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-W6-BASEDL

Quant Time: Mar 01 02:21:01 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	120971	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	425041	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	177996	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	302051	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	270998	20.00	ng	-0.05
86) Perylene-d12	15.40	264	190719	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	44408	6.30	ng	-0.03
7) Phenol-d6	6.49	99	54584	6.02	ng	0.00
23) Nitrobenzene-d5	7.38	82	32409	4.25	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	6867	5.33	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	53175	5.41	ng	-0.05
78) Terphenyl-d14	12.91	244	44246	3.84	ng	-0.06

Target Compounds						Qvalue
25) Isophorone	7.38	82	31565	2.22	ng	# 65
50) 2,6-Dinitrotoluene	9.85	165	23170	8.95	ng	# 32
51) Acenaphthene	9.88	154	32991	3.17	ng	95
54) Dibenzofuran	10.05	168	28637	2.06	ng	93
55) 4-Nitrophenol	10.05	139	10631	4.98	ng	# 9
57) Fluorene	10.40	166	52541	4.90	ng	100
70) Phenanthrene	11.36	178	667104	38.55	ng	98
71) Anthracene	11.41	178	199439	11.48	ng	98
72) Carbazole	11.57	167	37157	2.24	ng	98
74) Fluoranthene	12.54	202	920387	51.56	ng	97
77) Pyrene	12.77	202	916345	45.18	ng	99
80) Benzo(a)anthracene	13.96	228	578259	34.89	ng	99
82) Chrysene	14.00	228	409899	26.41	ng	97
85) Indeno(1,2,3-cd)pyrene	16.80	276	156961	13.06	ng	96
87) Benzo(b)fluoranthene	15.00	252	599069	47.72	ng	98
88) Benzo(k)fluoranthene	15.00	252	599069	55.27	ng	97
89) Benzo(a)pyrene	15.35	252	328737	30.27	ng	100
90) Dibenzo(a,h)anthracene	16.96	278	36595	4.17	ng	95
91) Benzo(g,h,i)perylene	17.22	276	154695	17.45	ng	# 93

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

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ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_F

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E2-W6-BASEDL

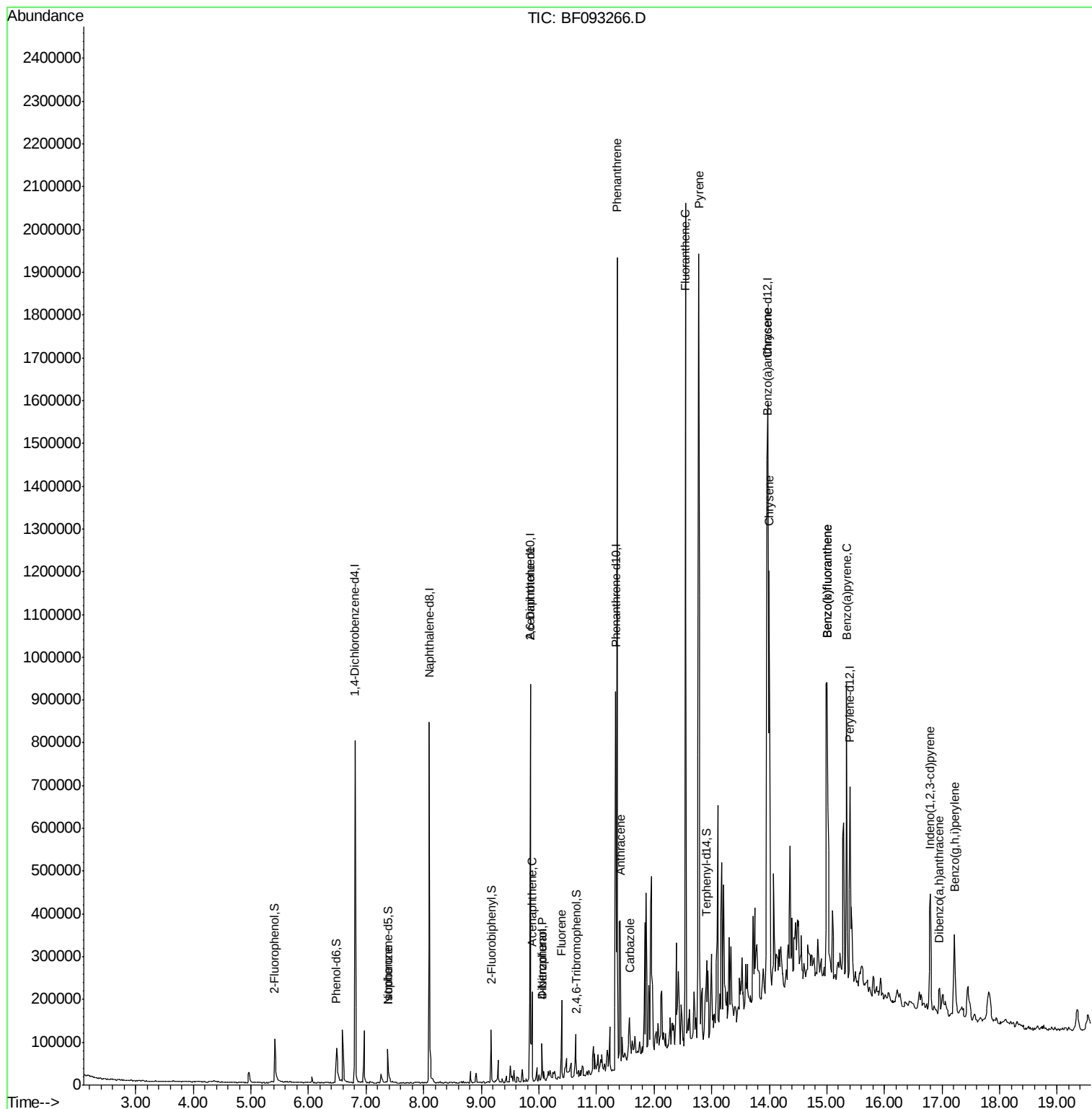
Quant Time: Mar 01 02:21:01 2017

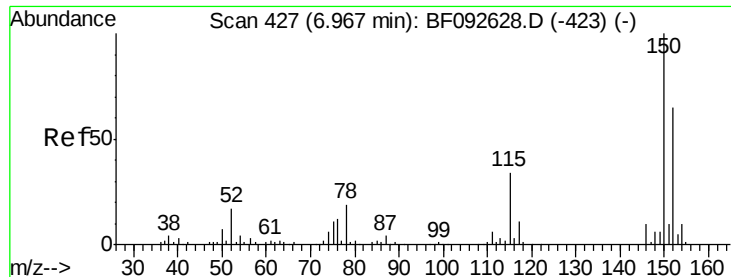
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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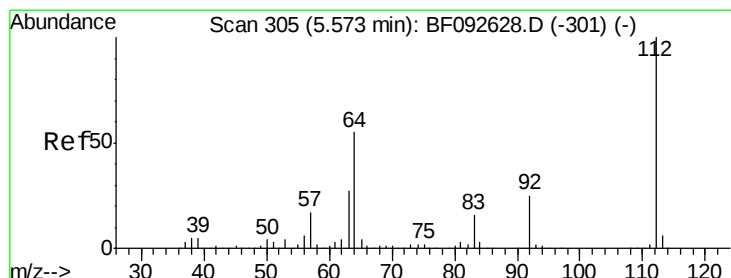
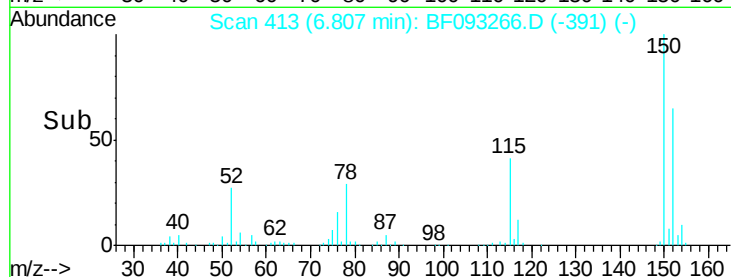
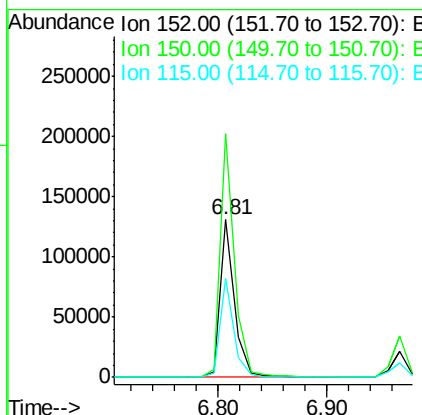
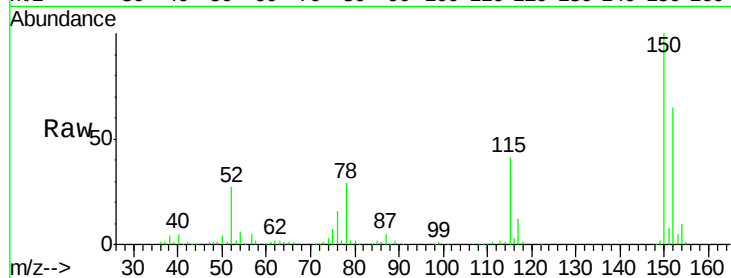


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASEDL

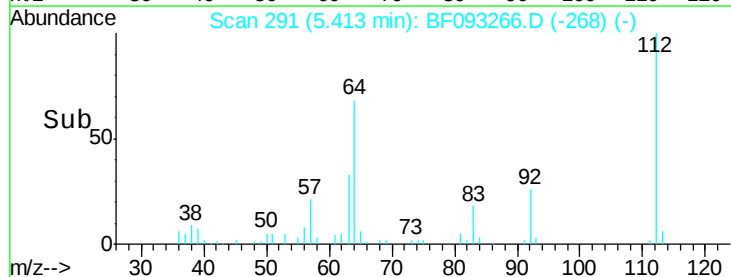
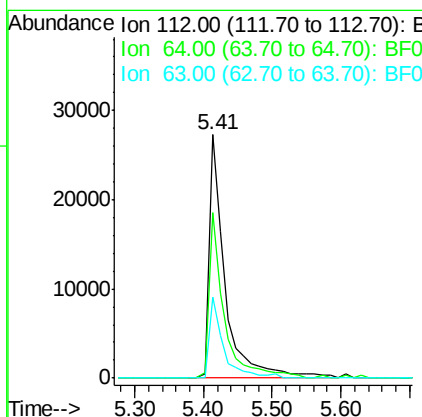
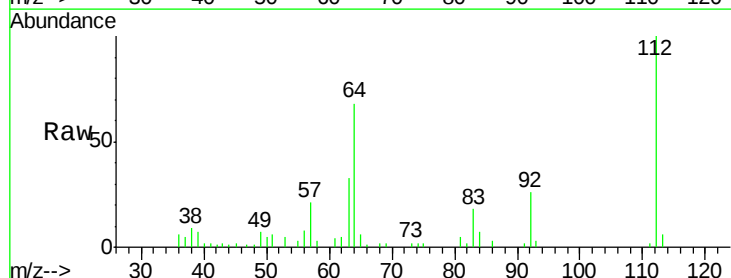
Tgt Ion:152 Resp: 120971
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.9 187.3
 115 63.0 46.0 69.0

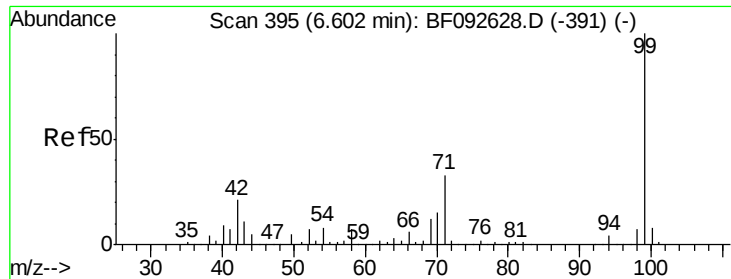


#5

2-Fluorophenol
 Concen: 6.30 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Tgt Ion:112 Resp: 44408
 Ion Ratio Lower Upper
 112 100
 64 68.1 46.1 69.1
 63 33.2 23.8 35.6





#7

Phenol-d6

Concen: 6.02 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

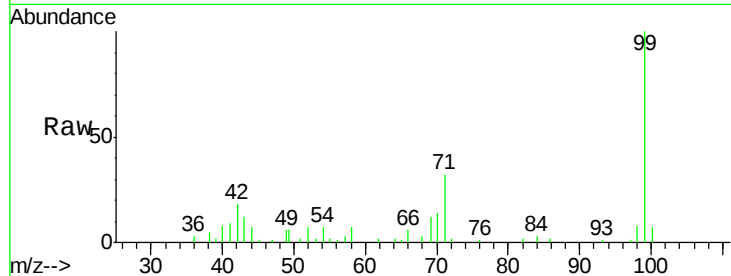
Tgt Ion: 99 Resp: 54584

Ion Ratio Lower Upper

99 100

42 17.8 15.6 23.4

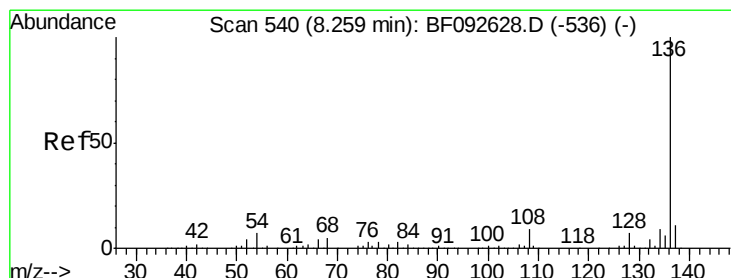
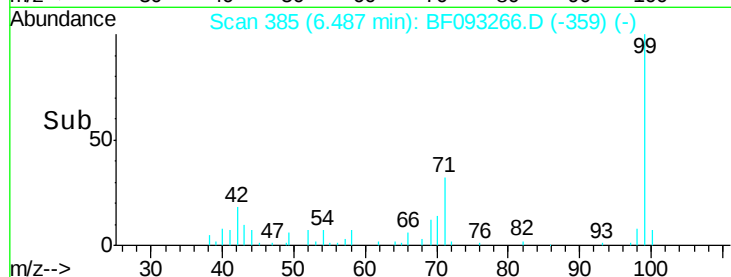
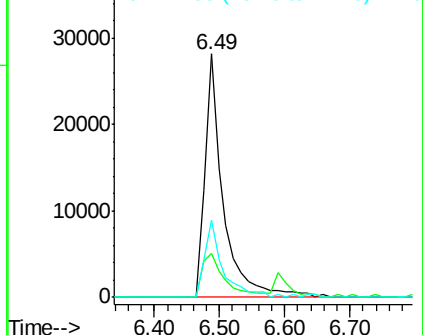
71 31.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Tgt Ion: 136 Resp: 425041

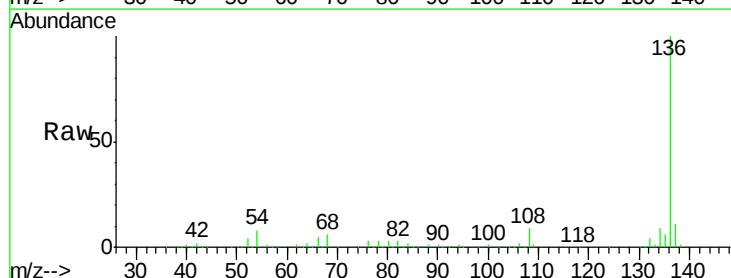
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.0 4.5 6.7#

68 5.8 3.6 5.4#

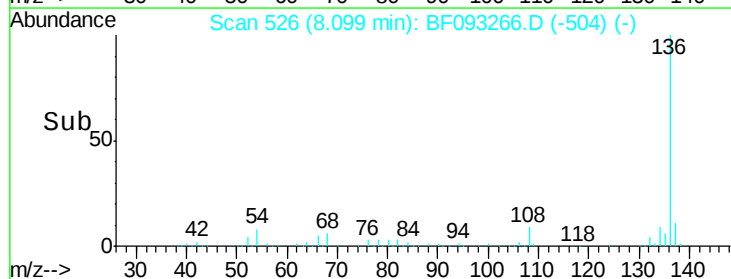
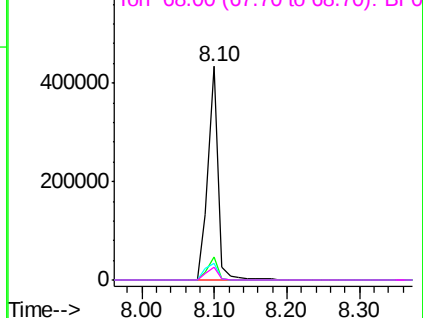


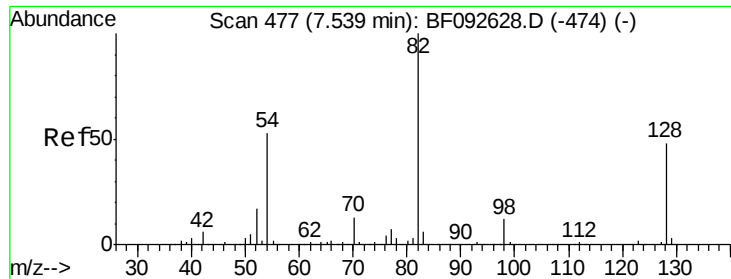
Abundance Ion 136.00 (135.70 to 136.70): E

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

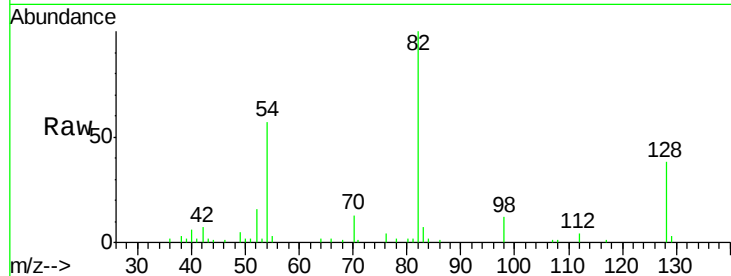




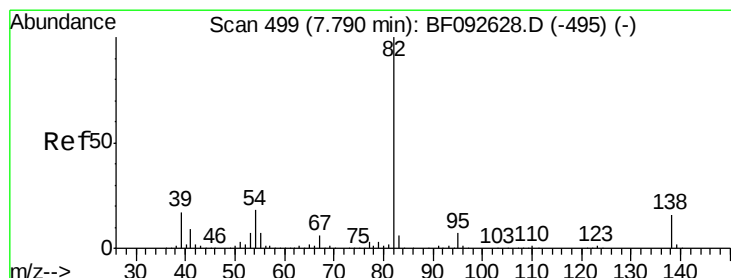
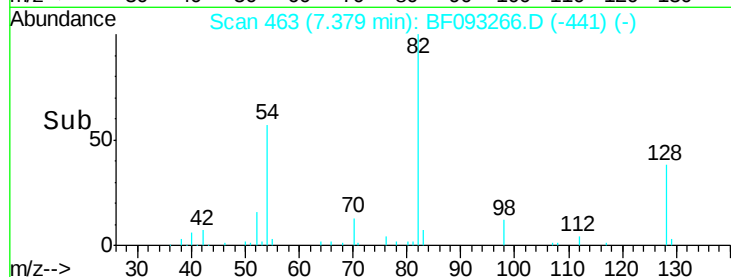
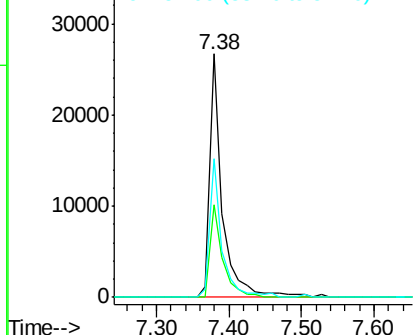
#23
 Nitrobenzene-d5
 Concen: 4.25 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASEDL

Tgt Ion: 82 Resp: 32409
 Ion Ratio Lower Upper
 82 100
 128 38.2 34.6 52.0
 54 56.8 39.5 59.3

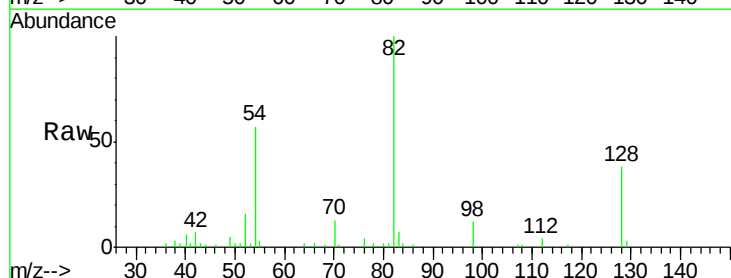


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

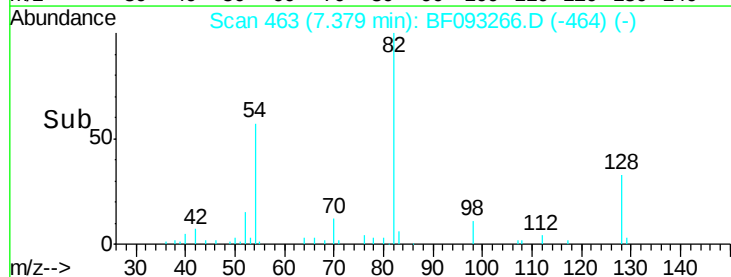
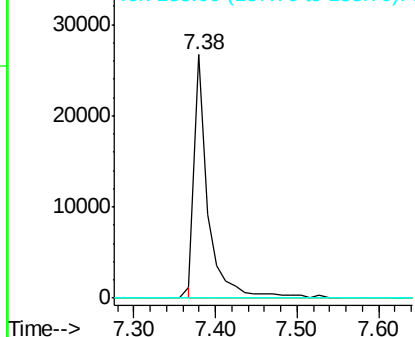


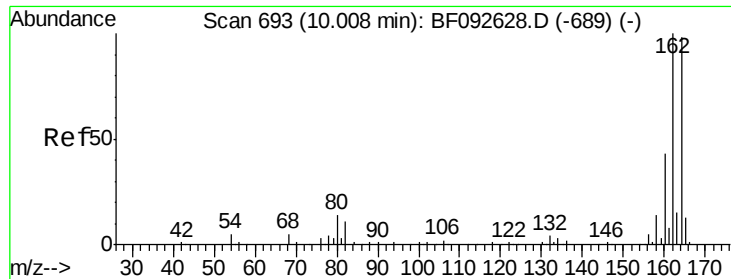
#25
 Isophorone
 Concen: 2.22 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.31 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Tgt Ion: 82 Resp: 31565
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

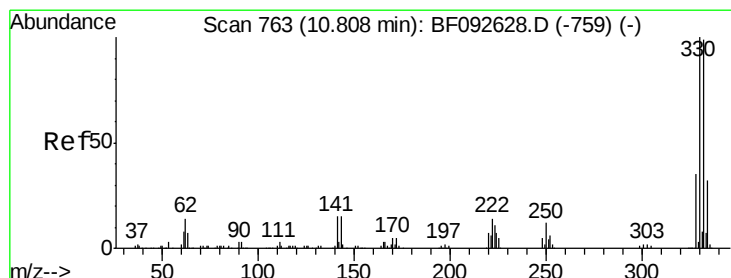
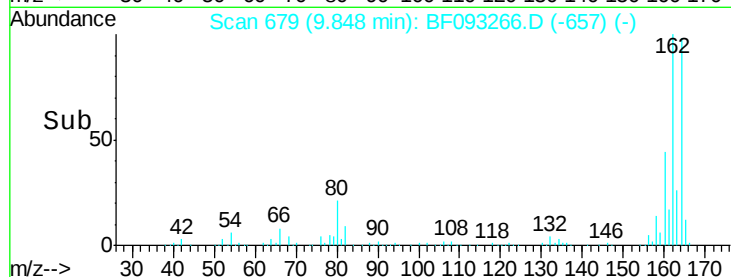
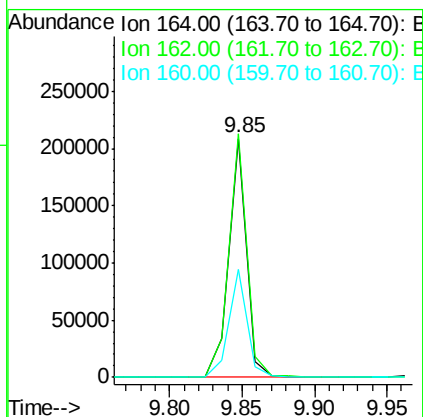
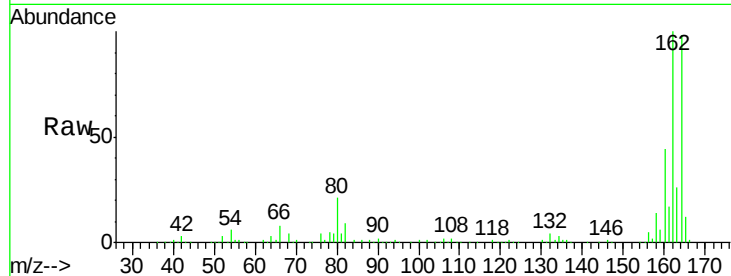




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

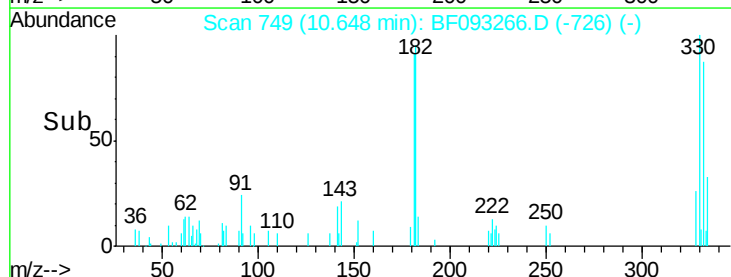
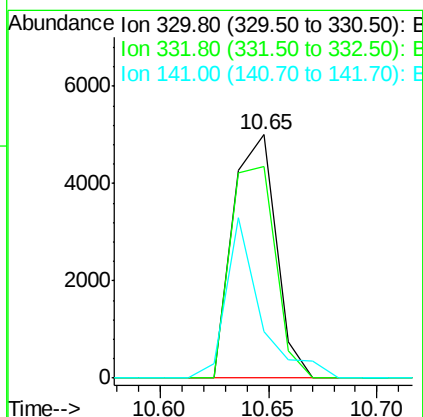
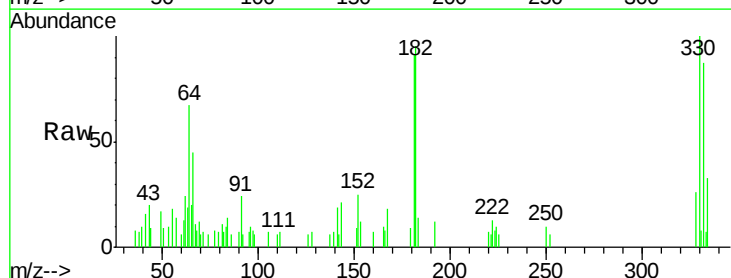
Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASEDL

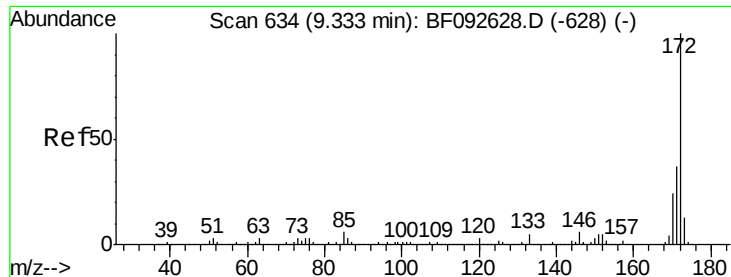
Tgt Ion:164 Resp: 177996
 Ion Ratio Lower Upper
 164 100
 162 101.9 80.2 120.2
 160 45.1 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 5.33 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Tgt Ion:330 Resp: 6867
 Ion Ratio Lower Upper
 330 100
 332 91.3 77.4 116.2
 141 52.8 34.1 51.1#

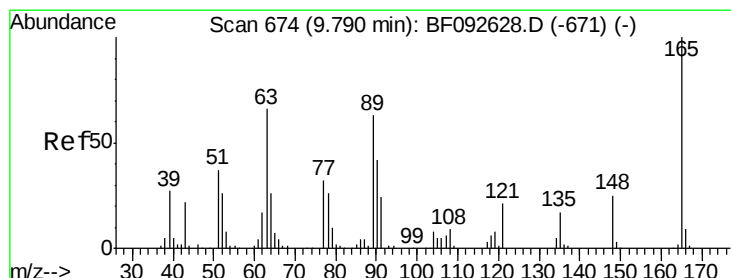
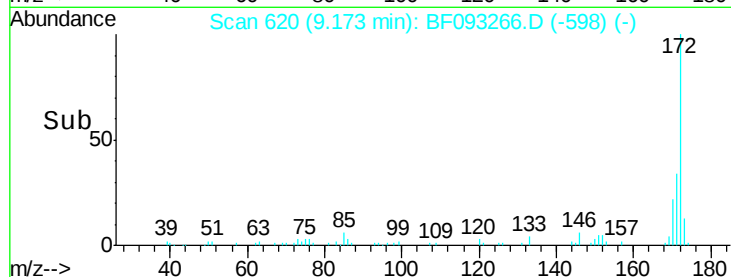
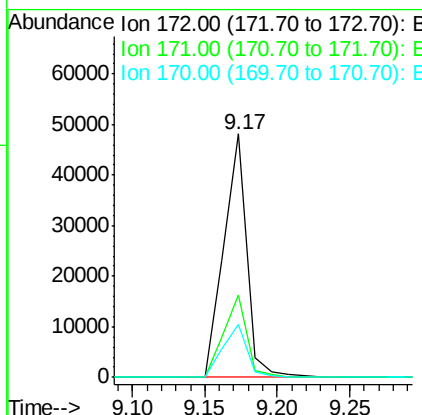
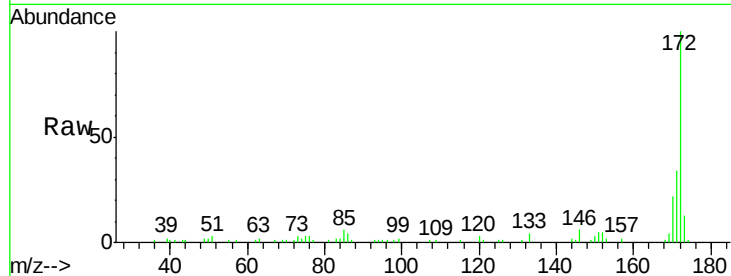




#44
 2-Fluorobiphenyl
 Concen: 5.41 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

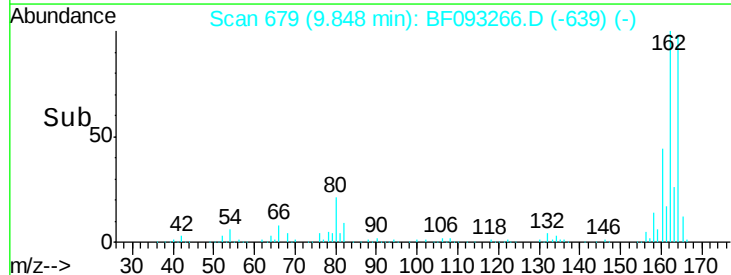
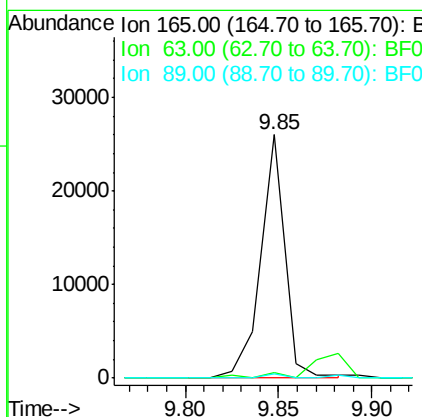
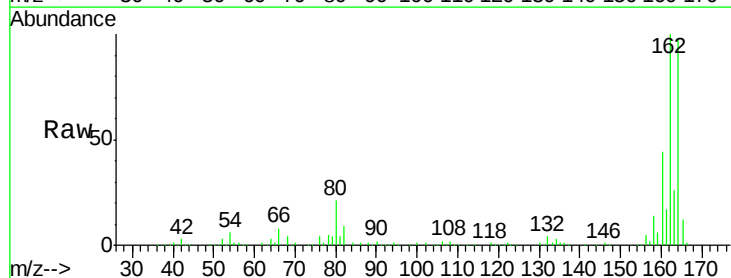
Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASEDL

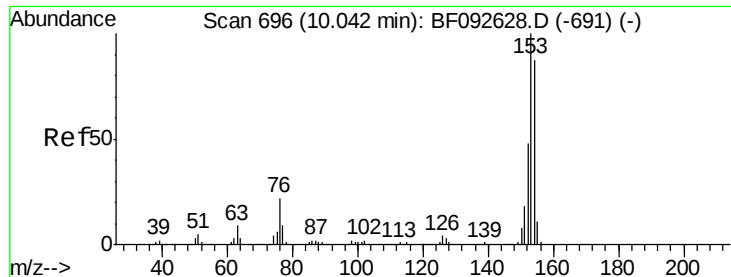
Tgt Ion:172 Resp: 53175
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.4 44.0
 170 21.9 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.95 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.16 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Tgt Ion:165 Resp: 23170
 Ion Ratio Lower Upper
 165 100
 63 2.1 36.2 54.4#
 89 1.7 40.2 60.4#





#51

Acenaphthene

Concen: 3.17 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

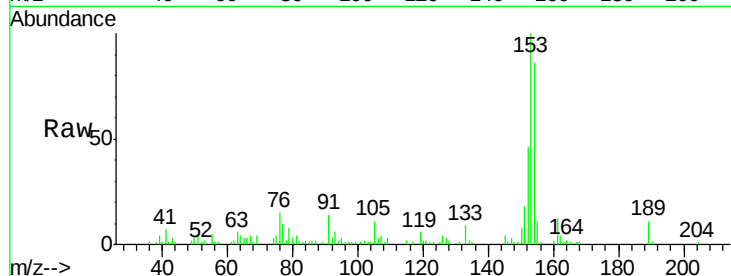
Tgt Ion:154 Resp: 32991

Ion Ratio Lower Upper

154 100

153 116.8 88.6 133.0

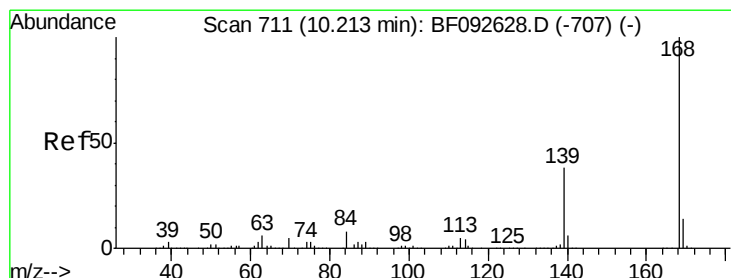
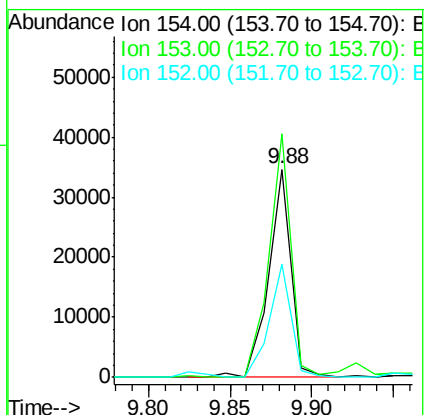
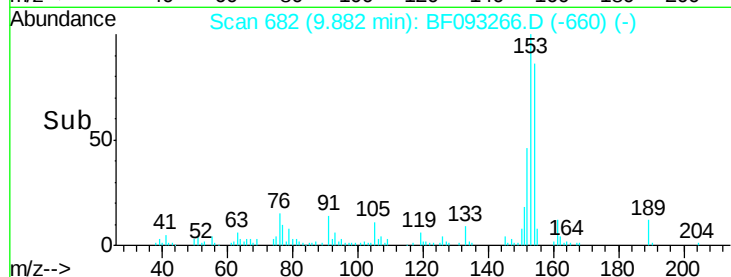
152 54.2 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.06 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

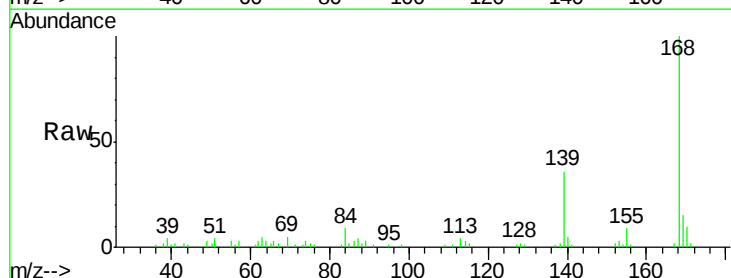
Tgt Ion:168 Resp: 28637

Ion Ratio Lower Upper

168 100

139 35.7 32.6 49.0

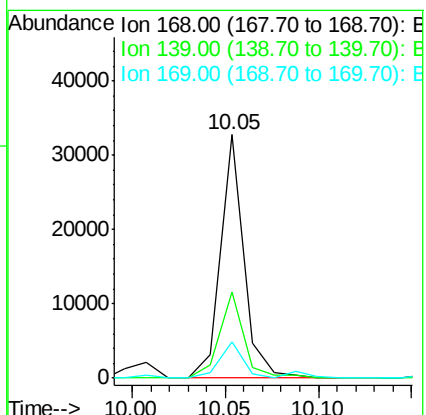
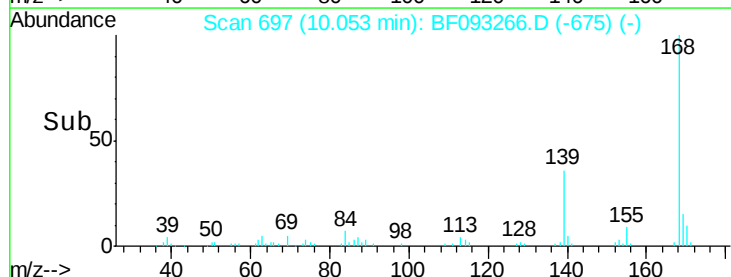
169 15.0 11.3 16.9

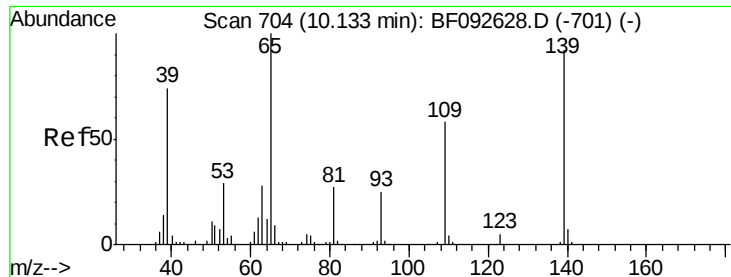


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

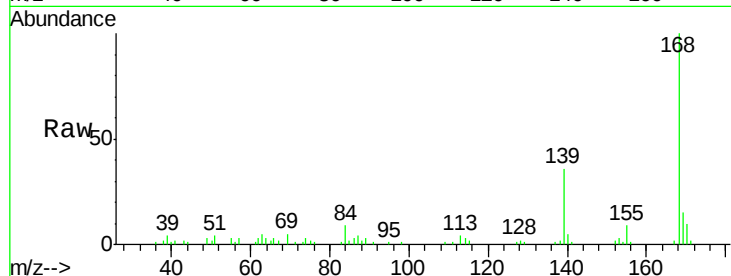




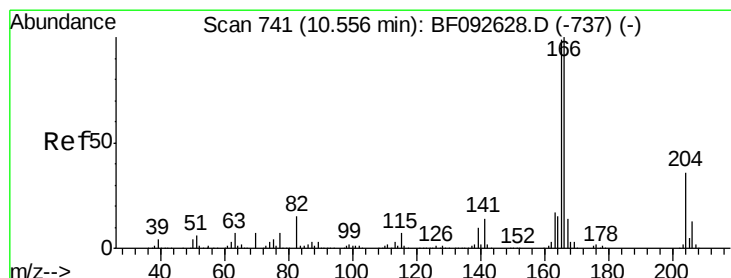
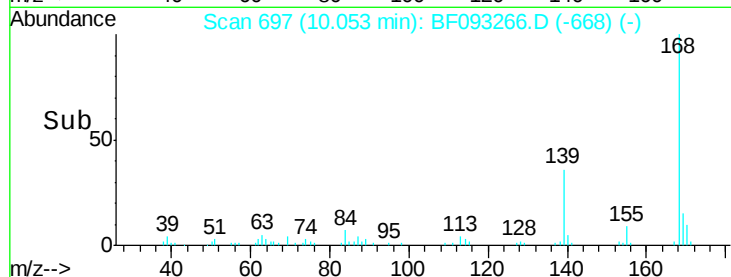
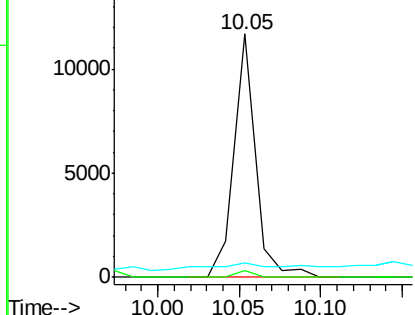
#55
4-Nitrophenol
Concen: 4.98 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.03 min
Lab File: BF093266.D
Acq: 1 Mar 2017 1:47

Instrument :
BNA_F
ClientSampleId :
E2-W6-BASEDL

Tgt Ion:139 Resp: 10631
Ion Ratio Lower Upper
139 100
109 2.8 52.2 92.2#
65 5.7 85.8 125.8#

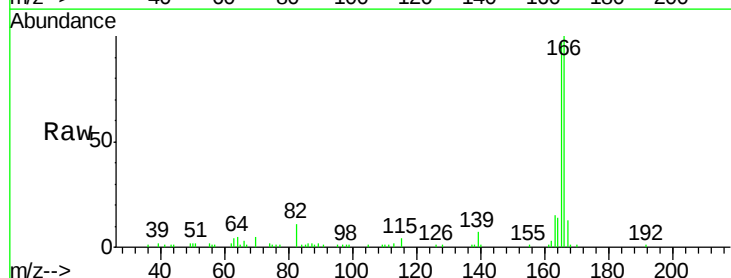


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

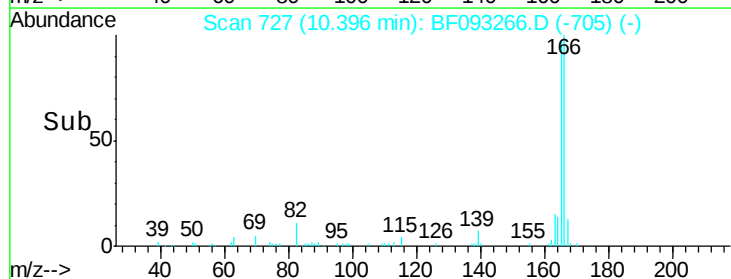
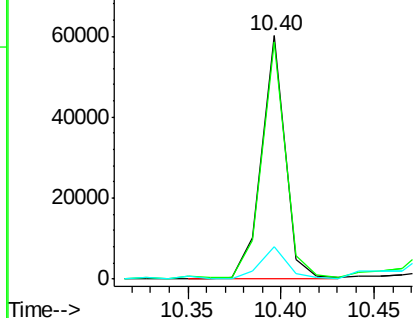


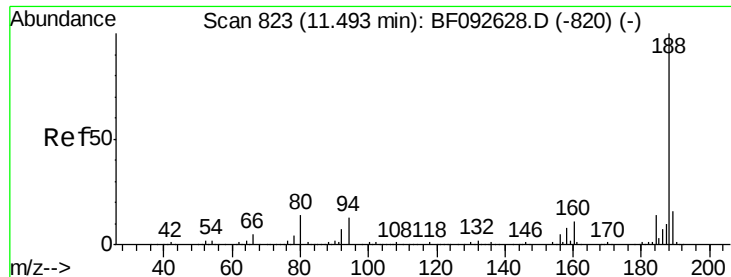
#57
Fluorene
Concen: 4.90 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093266.D
Acq: 1 Mar 2017 1:47

Tgt Ion:166 Resp: 52541
Ion Ratio Lower Upper
166 100
165 97.2 77.8 116.8
167 13.3 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

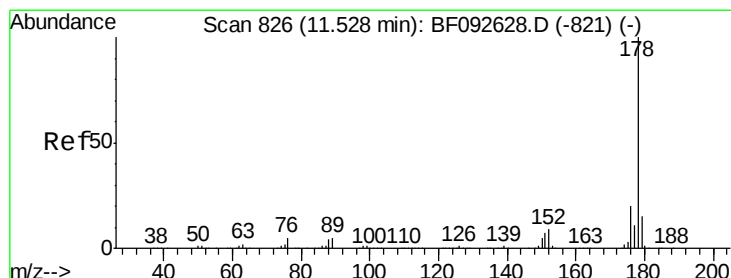
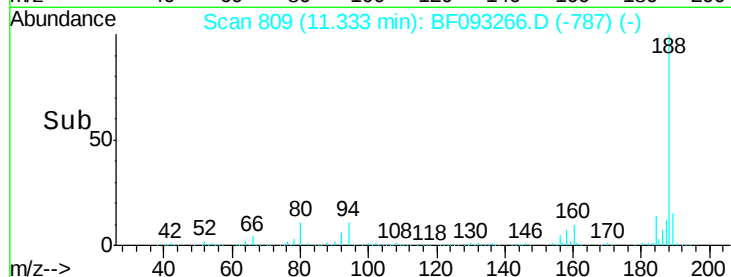
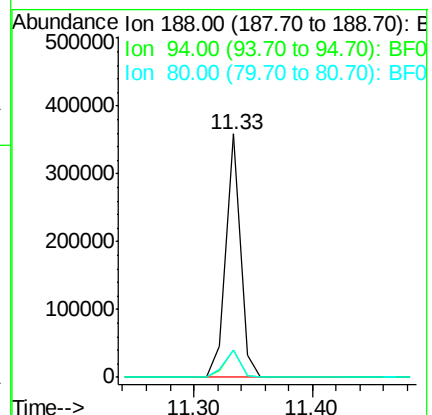
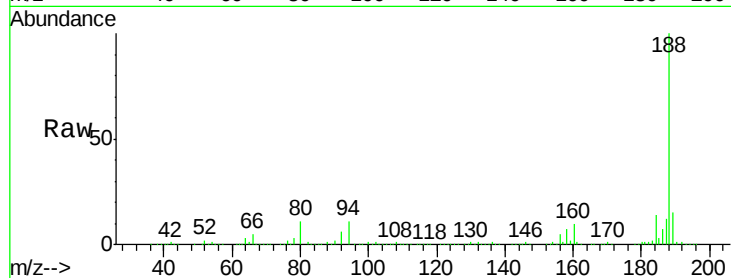




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093266.D
Acq: 1 Mar 2017 1:47

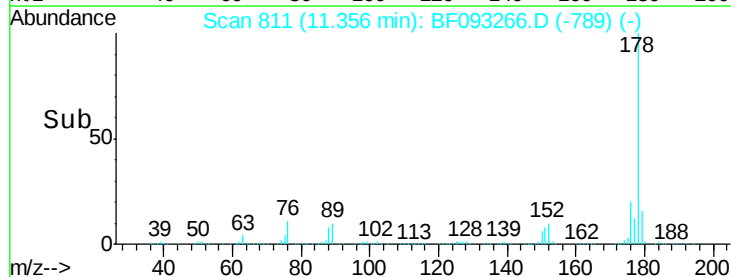
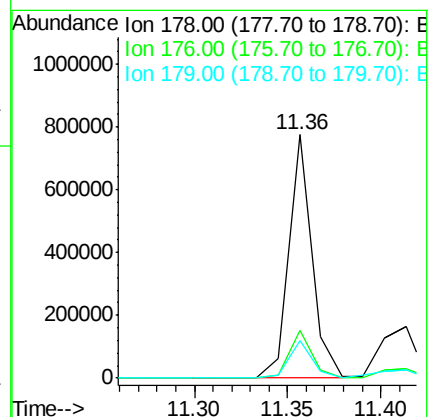
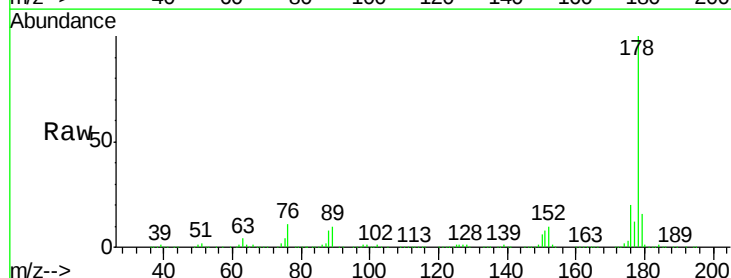
Instrument :
BNA_F
ClientSampleId :
E2-W6-BASEDL

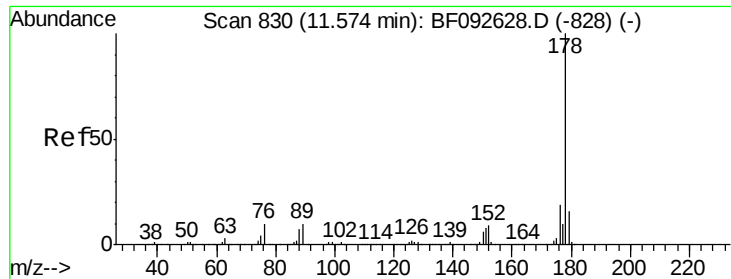
Tgt Ion:188 Resp: 302051
Ion Ratio Lower Upper
188 100
94 11.0 10.0 15.0
80 11.1 11.2 16.8#



#70
Phenanthrene
Concen: 38.55 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093266.D
Acq: 1 Mar 2017 1:47

Tgt Ion:178 Resp: 667104
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 15.5 12.8 19.2

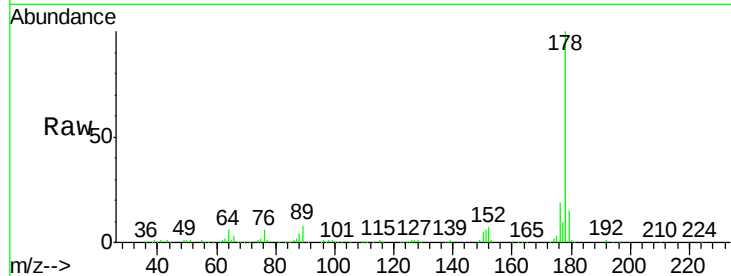




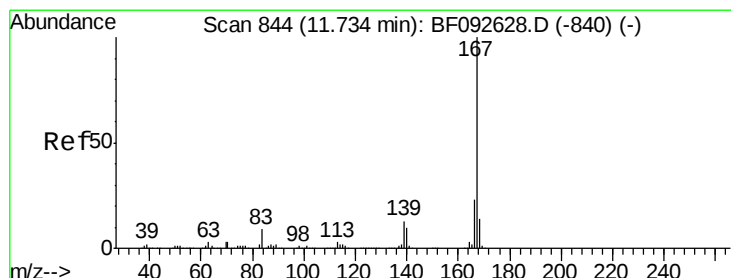
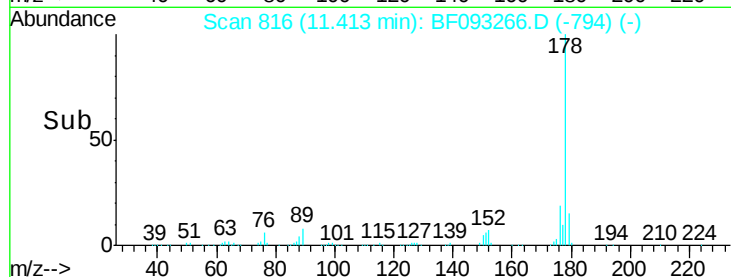
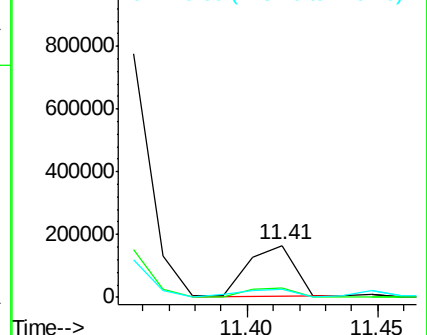
#71
 Anthracene
 Concen: 11.48 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.05 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Instrument :
 BNA_F
 ClientSampleId :
 E2-W6-BASEDL

Tgt Ion:178 Resp: 199439
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.9 23.9
 179 15.4 13.2 19.8

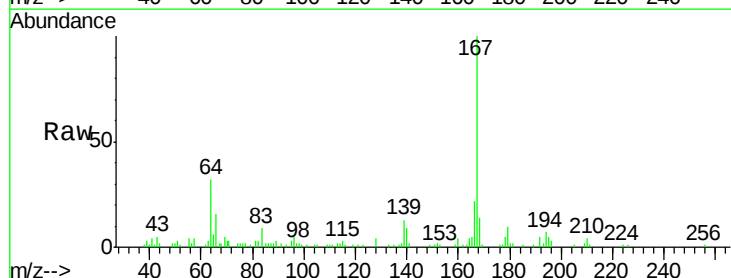


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

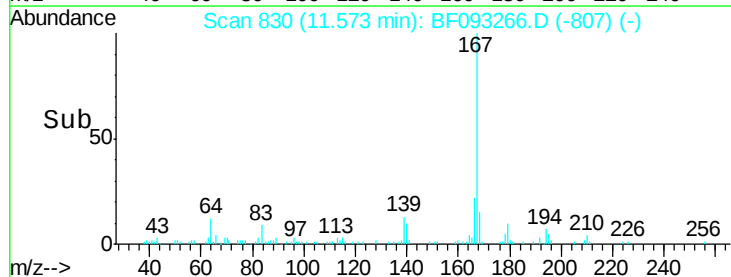
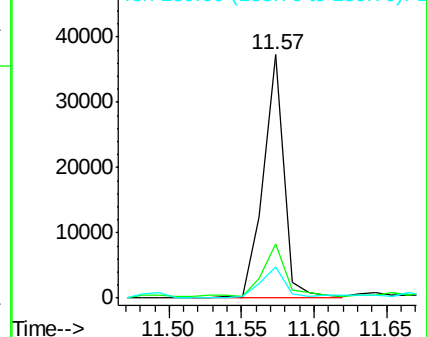


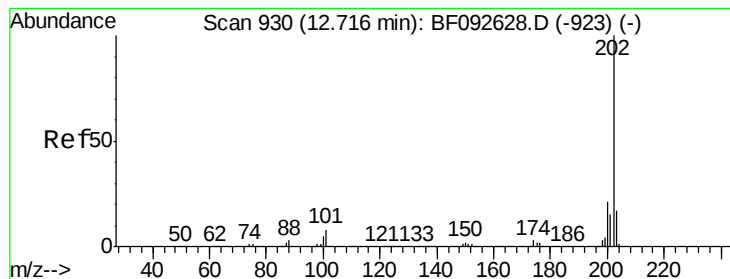
#72
 Carbazole
 Concen: 2.24 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF093266.D
 Acq: 1 Mar 2017 1:47

Tgt Ion:167 Resp: 37157
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.2 27.2
 139 12.6 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: 51.56 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

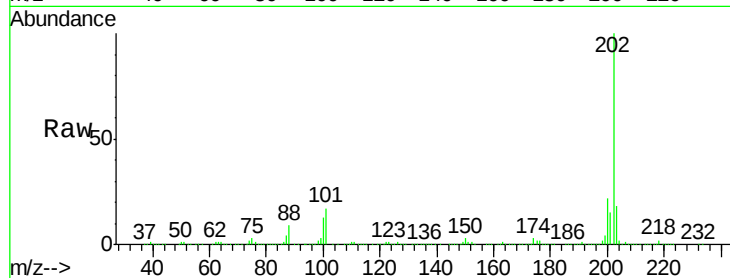
Tgt Ion: 202 Resp: 920387

Ion Ratio Lower Upper

202 100

101 16.9 0.0 34.6

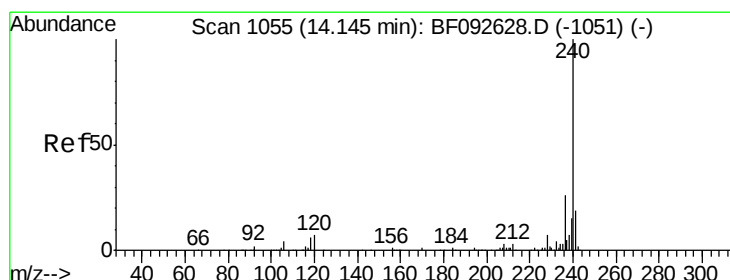
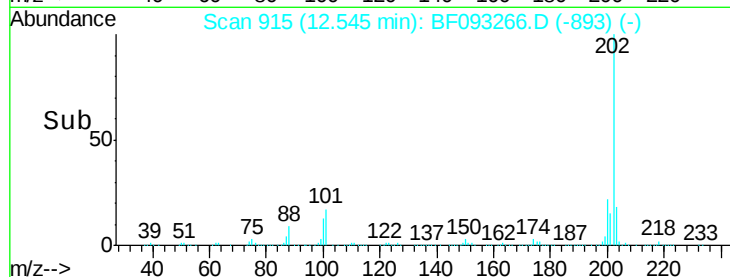
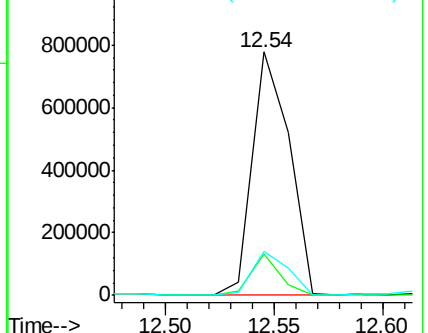
203 18.3 0.0 38.7



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: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

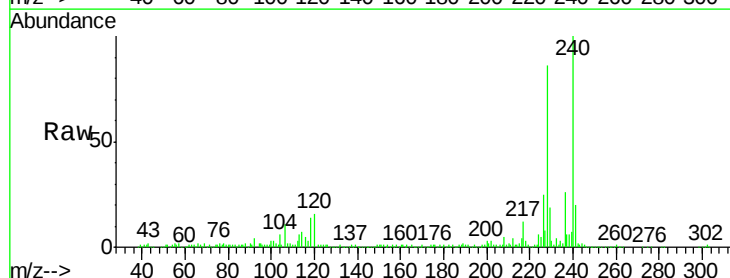
Tgt Ion: 240 Resp: 270998

Ion Ratio Lower Upper

240 100

120 16.3 12.9 19.3

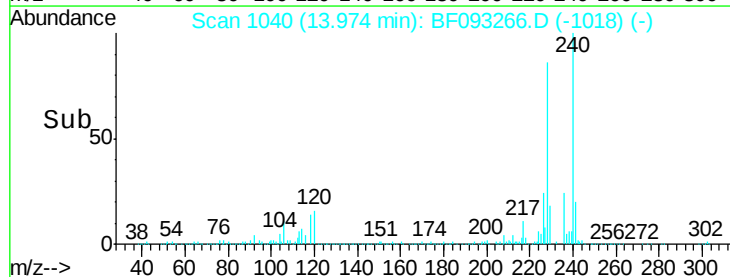
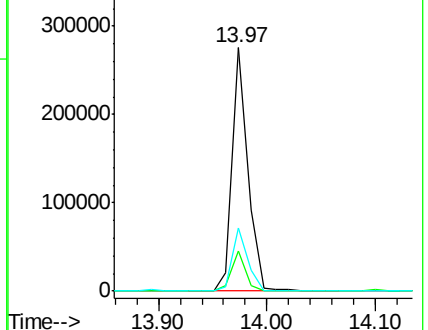
236 26.1 20.9 31.3

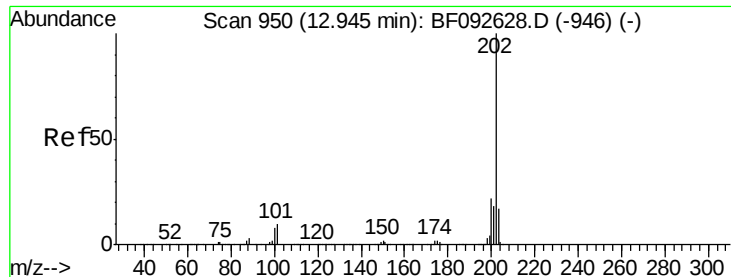


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 45.18 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

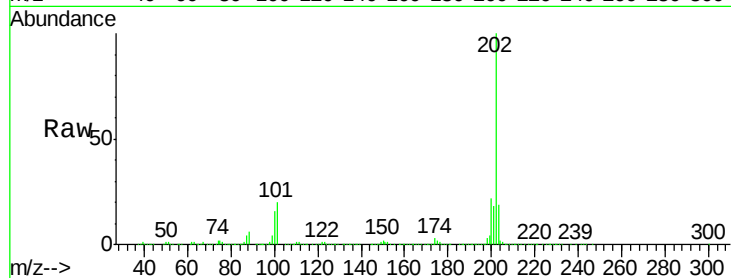
Tgt Ion:202 Resp: 916345

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

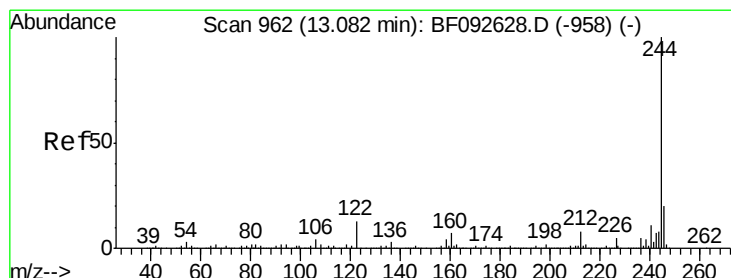
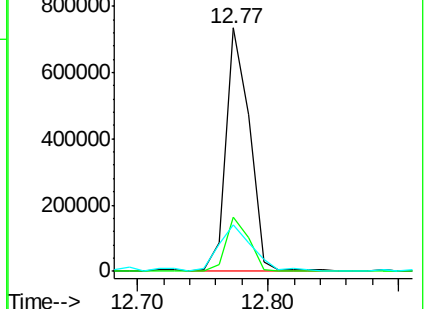
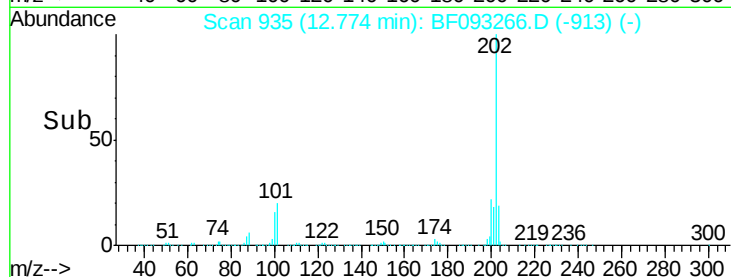
203 19.3 14.7 22.1



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: 3.84 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

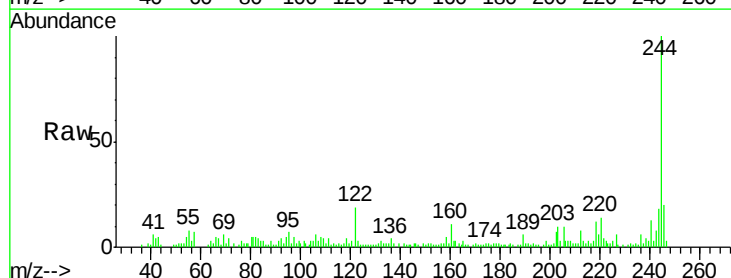
Tgt Ion:244 Resp: 44246

Ion Ratio Lower Upper

244 100

212 8.4 6.2 9.2

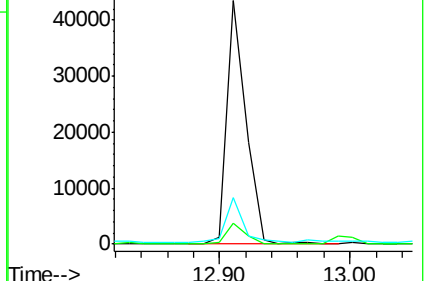
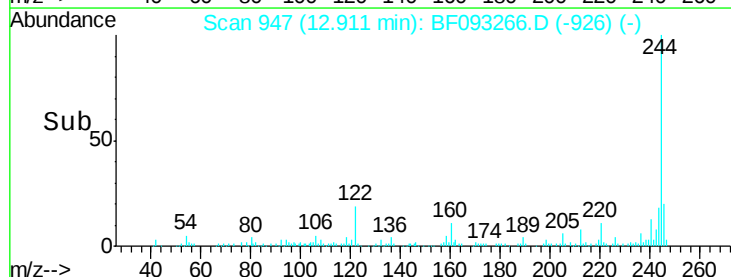
122 18.9 11.4 17.2#

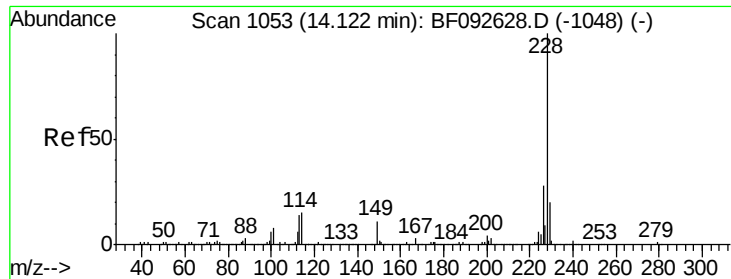


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 34.89 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

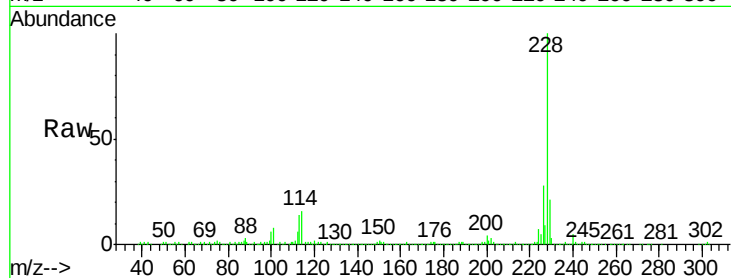
Tgt Ion:228 Resp: 578259

Ion Ratio Lower Upper

228 100

226 28.3 22.4 33.6

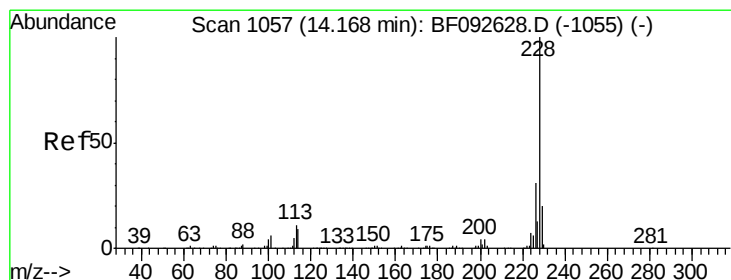
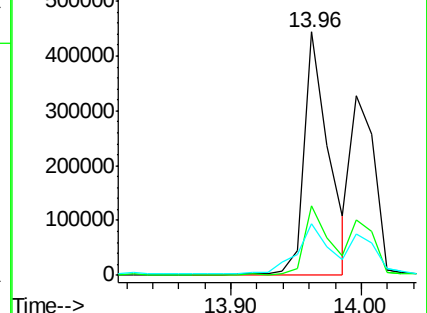
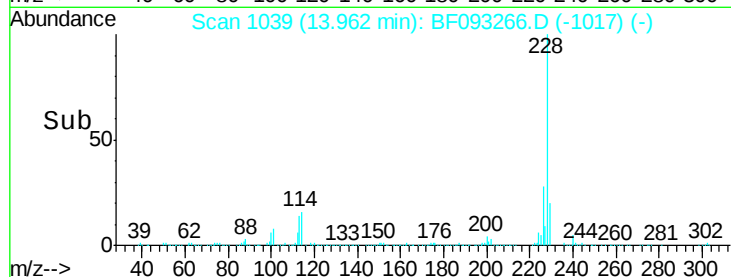
229 21.3 16.2 24.4



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: 26.41 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

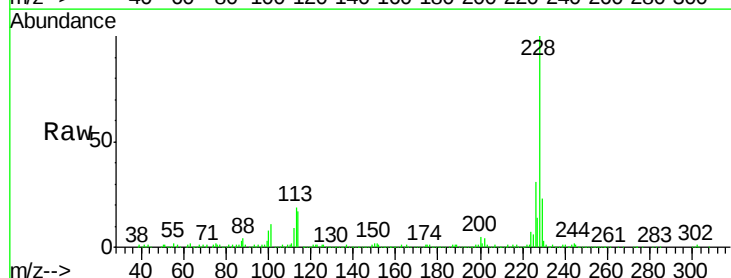
Tgt Ion:228 Resp: 409899

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.0

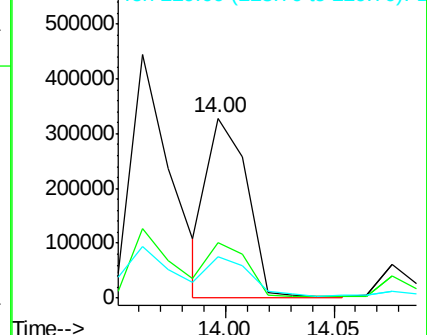
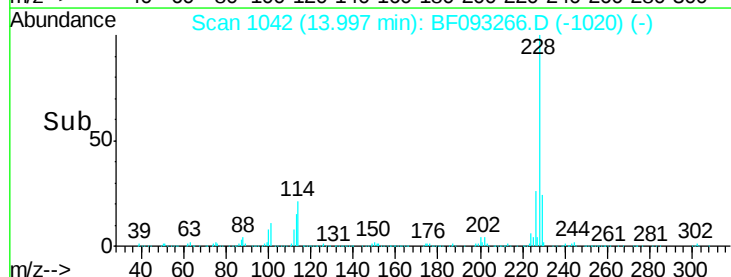
229 23.3 16.2 24.2

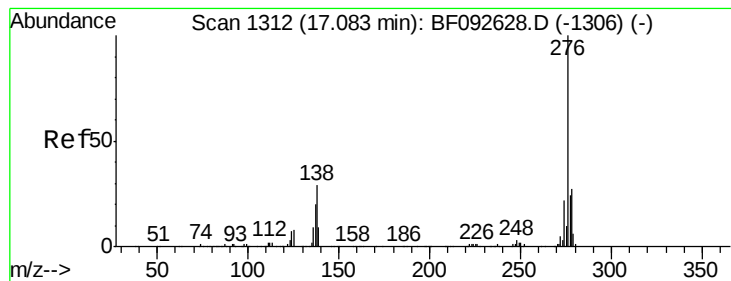


Abundance Ion 228.00 (227.70 to 228.70): E

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: 13.06 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.06 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

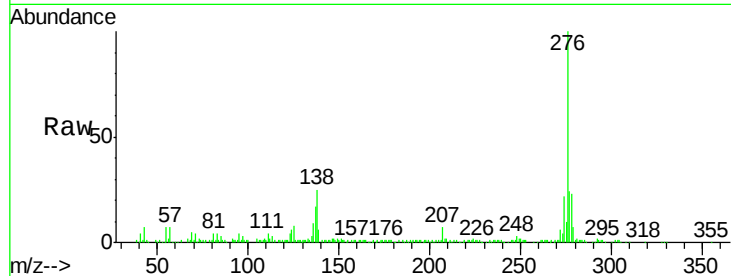
Tgt Ion: 276 Resp: 156961

Ion Ratio Lower Upper

276 100

138 28.9 21.8 32.6

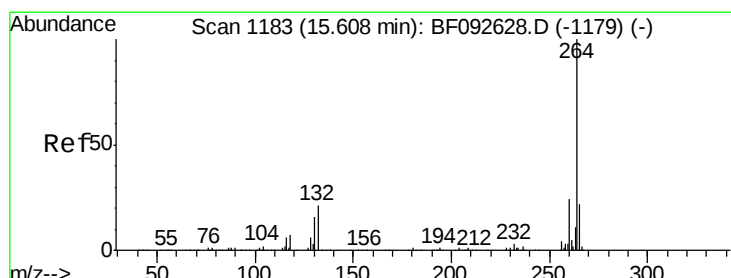
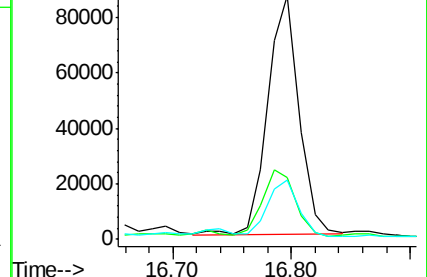
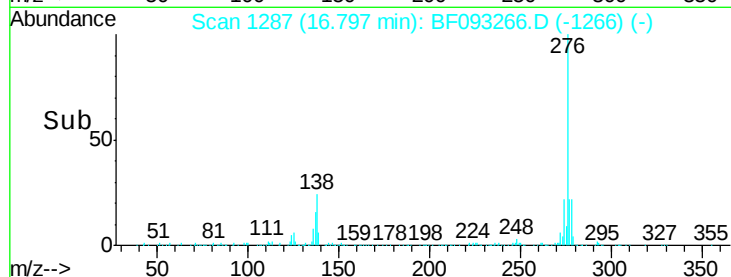
277 23.1 20.2 30.4



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: 15.40 min Scan# 1165

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

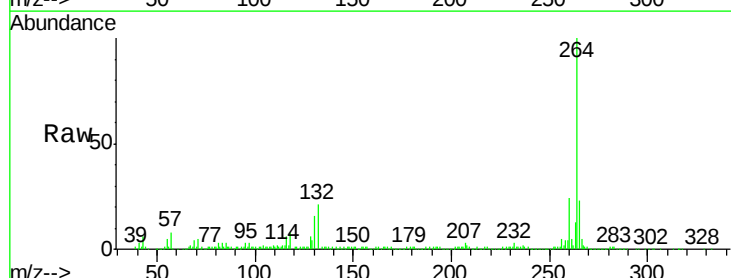
Tgt Ion: 264 Resp: 190719

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

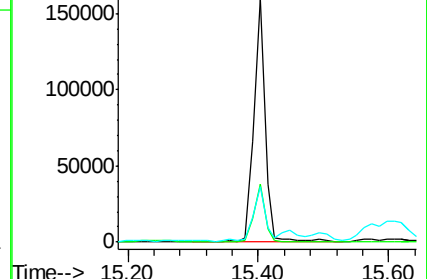
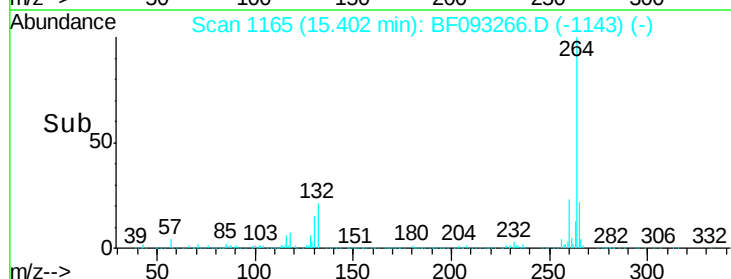
265 22.8 17.4 26.0

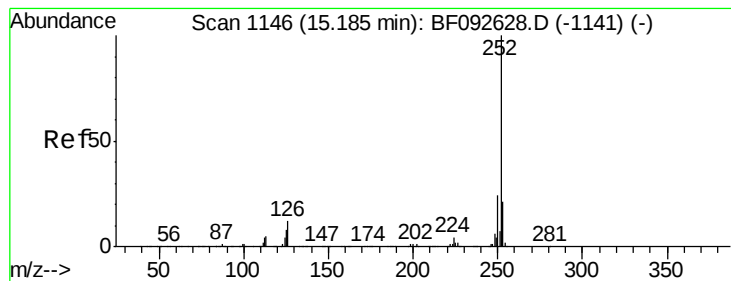


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 47.72 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

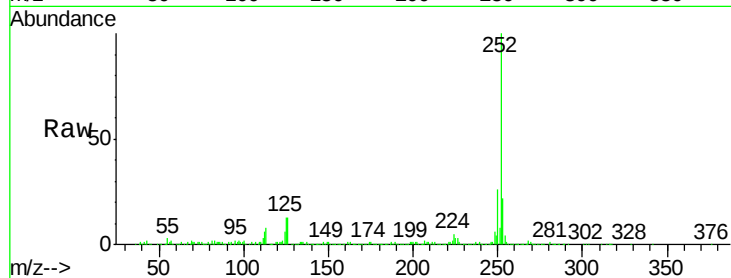
Tgt Ion:252 Resp: 599069

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

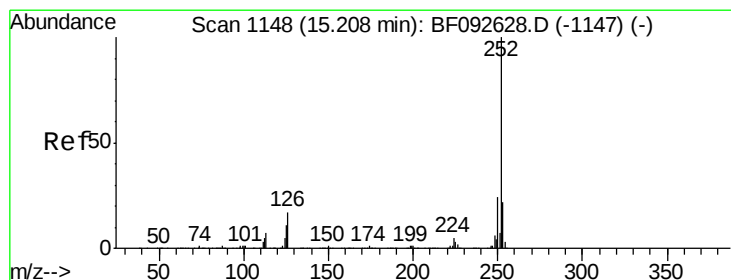
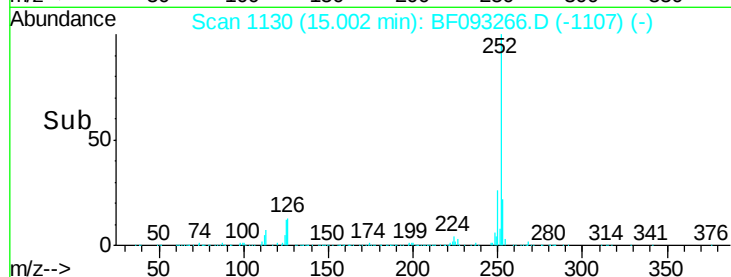
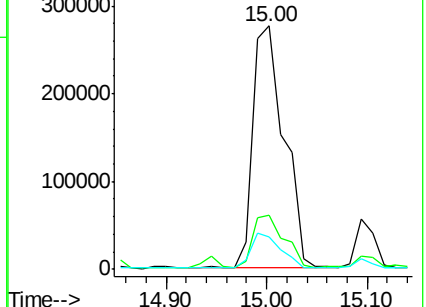
125 13.2 9.8 14.6



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



#88

Benzo(k)fluoranthene

Concen: 55.27 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

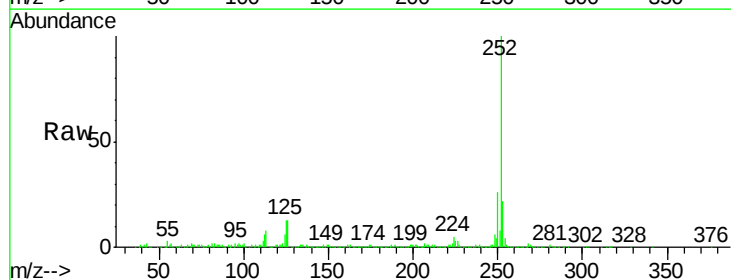
Tgt Ion:252 Resp: 599069

Ion Ratio Lower Upper

252 100

253 22.3 18.5 27.7

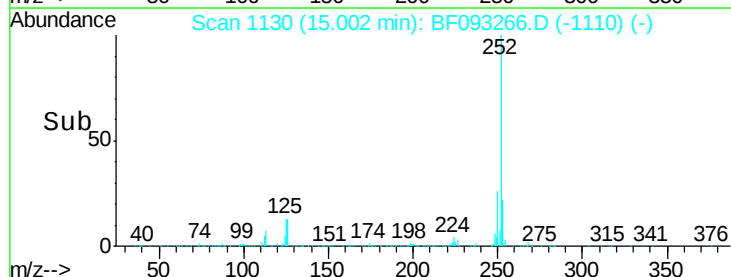
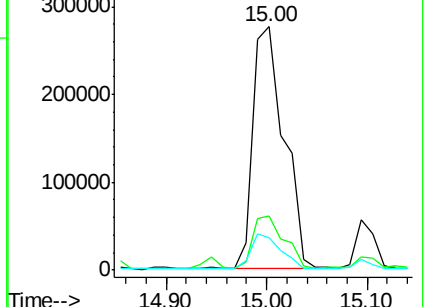
125 13.2 8.9 13.3

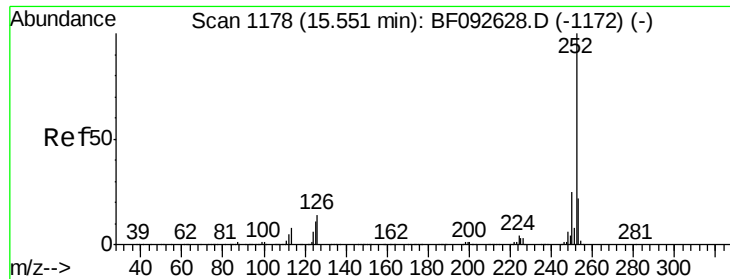


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 30.27 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

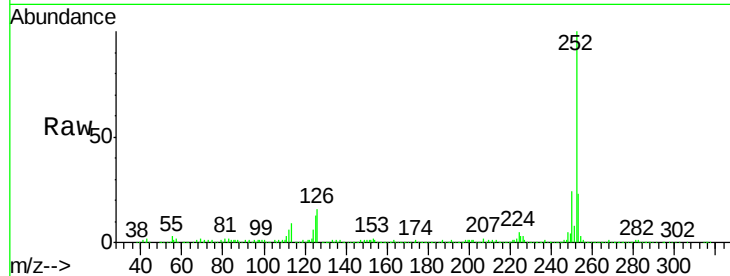
Tgt Ion: 252 Resp: 328737

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

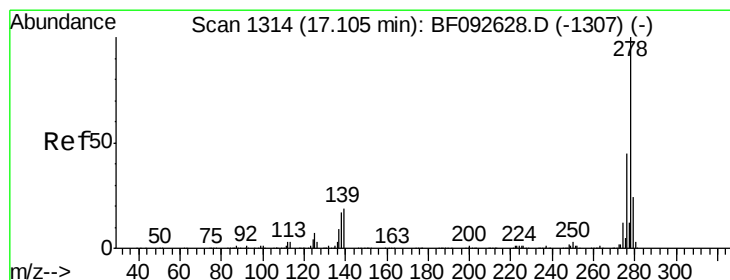
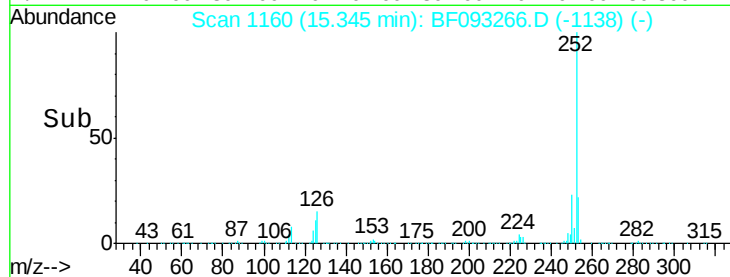
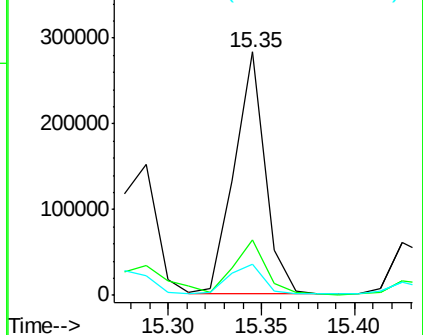
125 12.8 10.0 15.0



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



#90

Dibenzo(a,h)anthracene

Concen: 4.17 ng

RT: 16.96 min Scan# 1301

Delta R.T. 0.09 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

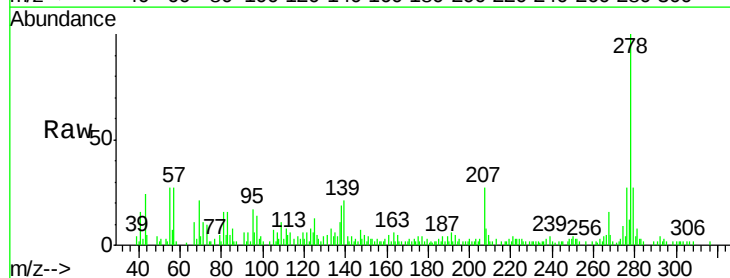
Tgt Ion: 278 Resp: 36595

Ion Ratio Lower Upper

278 100

139 21.2 14.8 22.2

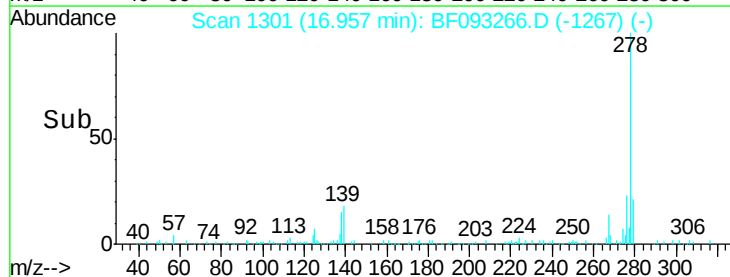
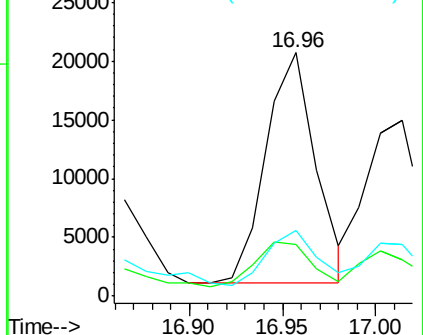
279 26.8 19.8 29.6

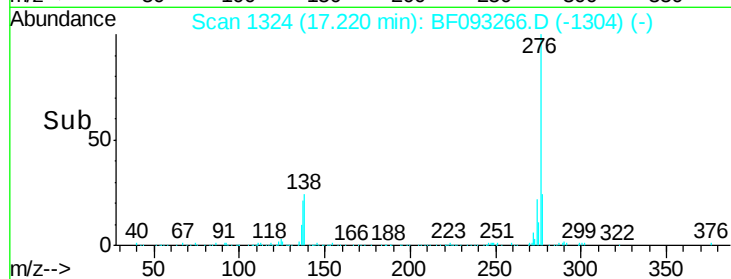
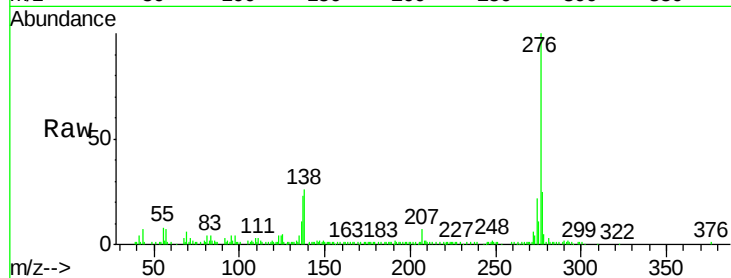
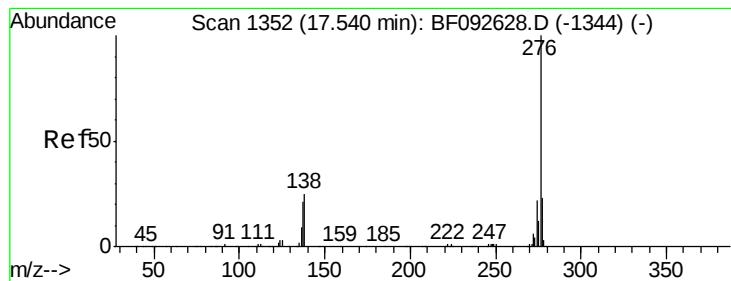


Abundance Ion 278.00 (277.70 to 278.70): E

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: 17.45 ng

RT: 17.22 min Scan# 1324

Delta R.T. -0.07 min

Lab File: BF093266.D

Acq: 1 Mar 2017 1:47

Instrument :

BNA_F

ClientSampleId :

E2-W6-BASEDL

Tgt Ion:276 Resp: 154695

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 26.4 16.0 24.0#

