

Data Path : Z:\HPCHEM1\BNA_F\Data\BF061917\
 Data File : BF096040.D
 Acq On : 20 Jun 2017 11:44
 Operator : SJ/MA
 Sample : I3686-01 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-NSW

Quant Time: Jun 20 14:02:13 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	60184	20.00	ng	-0.02
21) Naphthalene-d8	9.34	136	227926	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	85259	20.00	ng	-0.02
63) Phenanthrene-d10	14.56	188	146954	20.00	ng	-0.01
75) Chrysene-d12	18.29	240	126428	20.00	ng	-0.01
86) Perylene-d12	19.96	264	90553	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	207717	55.00	ng	0.00
7) Phenol-d6	6.89	99	259553	57.40	ng	-0.02
23) Nitrobenzene-d5	8.23	82	120038	32.71	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	36939	48.97	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	254036	41.46	ng	-0.02
78) Terphenyl-d14	16.93	244	197148	38.70	ng	-0.02

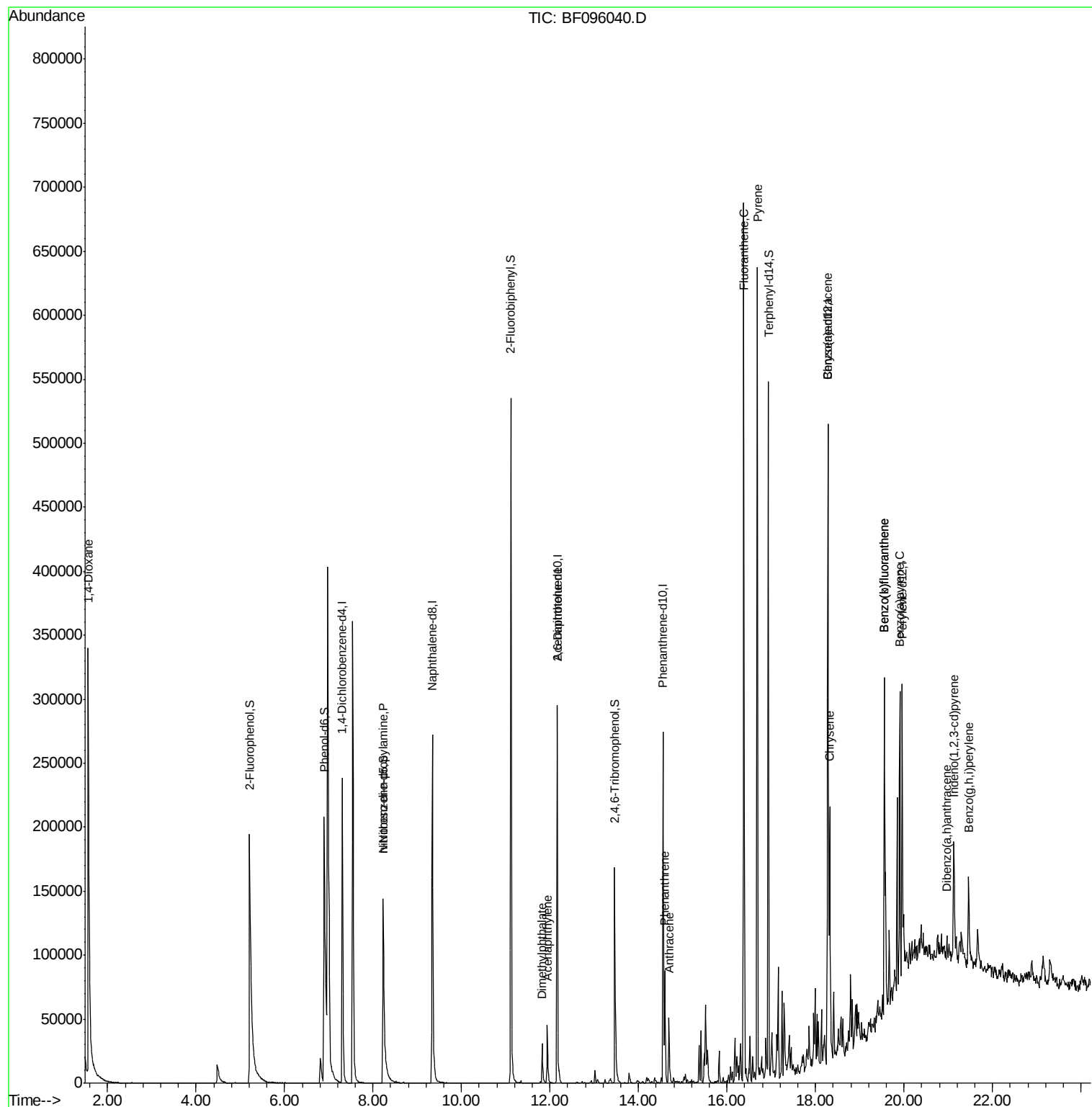
Target Compounds				Qvalue		
2) 1,4-Dioxane	1.56	88	17381	9.673	ng	# 21
19) n-Nitroso-di-n-propylamine	8.23	70	13408	4.679	ng	# 69
48) Acenaphthylene	11.94	152	36496	3.887	ng	97
49) Dimethylphthalate	11.82	163	28621	4.421	ng	97
50) 2,6-Dinitrotoluene	12.16	165	10531	7.458	ng	# 31
70) Phenanthrene	14.60	178	59941	7.069	ng	98
71) Anthracene	14.69	178	37907	4.282	ng	98
74) Fluoranthene	16.38	202	349229	41.613	ng	99
77) Pyrene	16.69	202	304536	32.283	ng	98
80) Benzo(a)anthracene	18.27	228	142758	19.421	ng	97
82) Chrysene	18.32	228	109115	14.854	ng	98
85) Indeno(1,2,3-cd)pyrene	21.13	276	53558	8.521	ng	93
87) Benzo(b)fluoranthene	19.56	252	183094	32.291	ng	# 95
88) Benzo(k)fluoranthene	19.56	252	183094	33.783	ng	96
89) Benzo(a)pyrene	19.90	252	96211	18.461	ng	99
90) Dibenzo(a,h)anthracene	20.97	278	11156	2.524	ng	97
91) Benzo(g,h,i)perylene	21.46	276	43475	9.646	ng	97

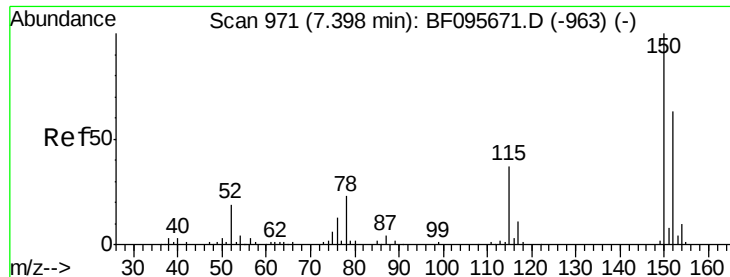
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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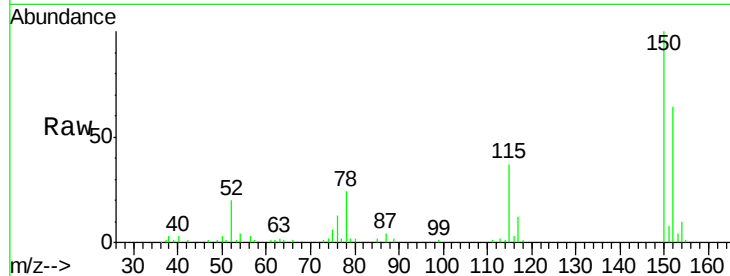


#1

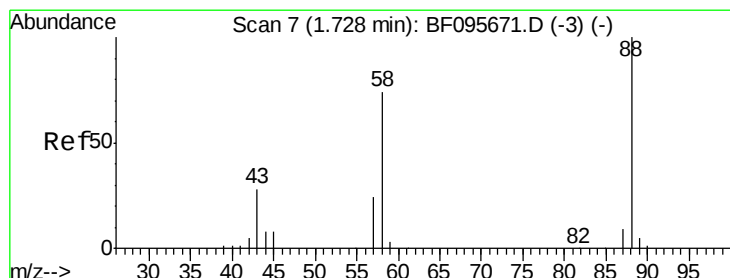
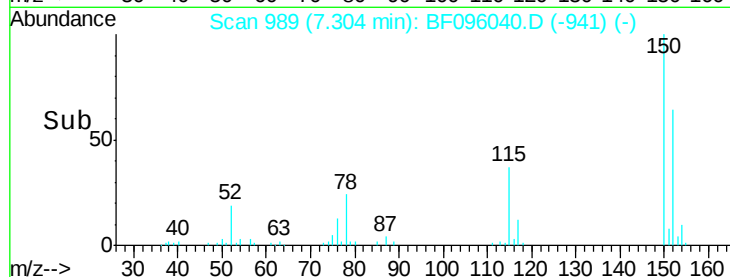
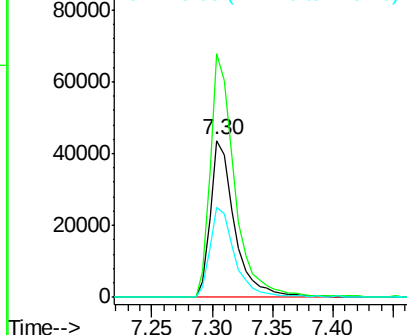
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096040.D
Acq: 20 Jun 2017 11:44

Instrument :
BNA_F
ClientSampleId :
E2-S5-NSW

Tgt Ion:152 Resp: 60184
Ion Ratio Lower Upper
152 100
150 155.5 126.2 189.2
115 57.6 52.2 78.2



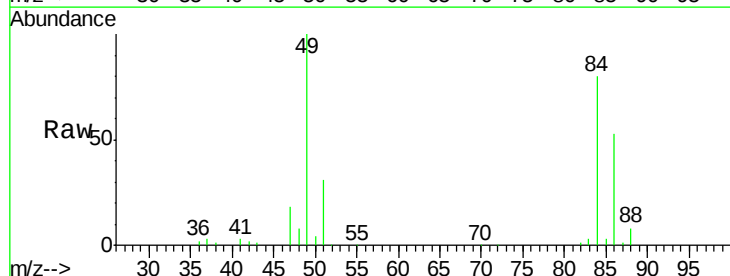
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



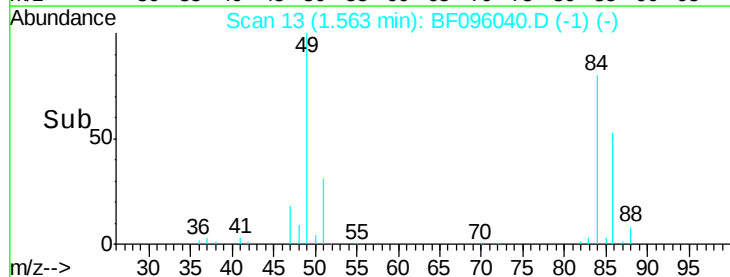
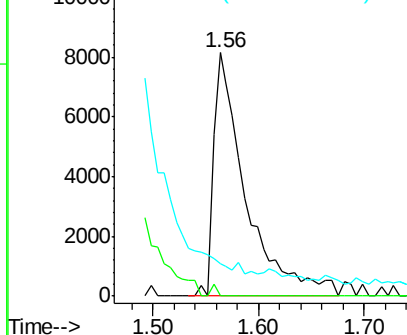
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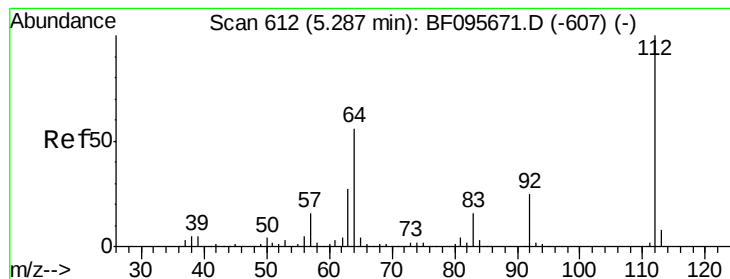
1,4-Dioxane
Concen: 9.673 ng
RT: 1.56 min Scan# 13
Delta R.T. -0.07 min
Lab File: BF096040.D
Acq: 20 Jun 2017 11:44

Tgt Ion: 88 Resp: 17381
Ion Ratio Lower Upper
88 100
58 0.8 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 54.996 ng

RT: 5.21 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW

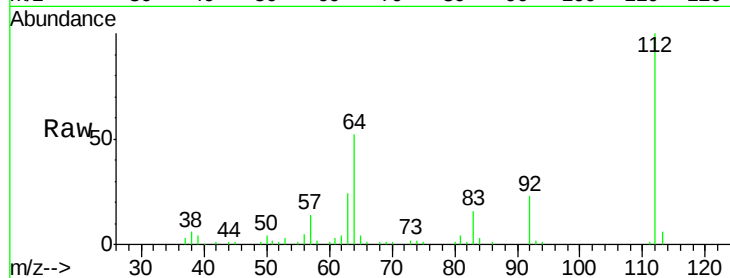
Tgt Ion: 112 Resp: 207717

Ion Ratio Lower Upper

112 100

64 52.5 46.0 69.0

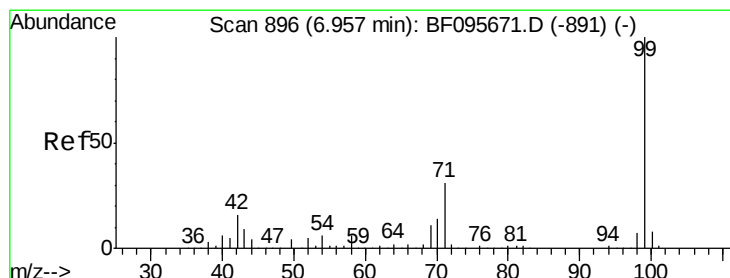
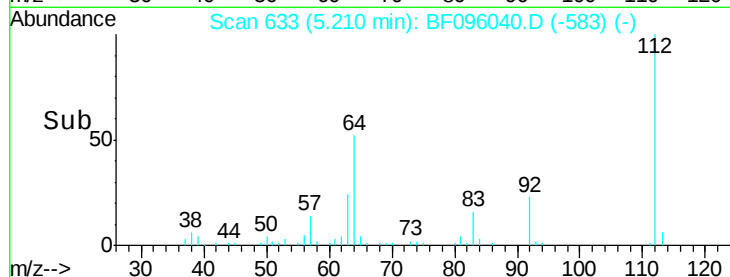
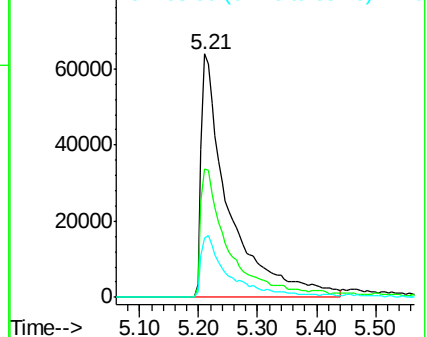
63 24.4 23.4 35.0



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: 57.402 ng

RT: 6.89 min Scan# 919

Delta R.T. -0.02 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

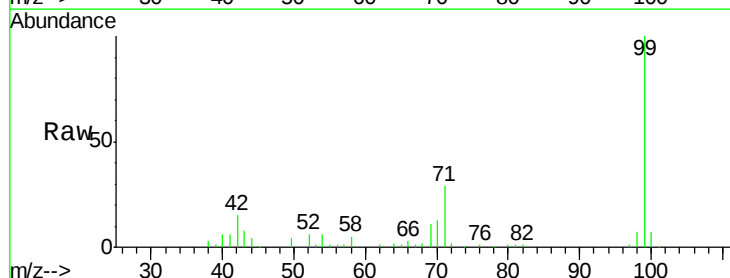
Tgt Ion: 99 Resp: 259553

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

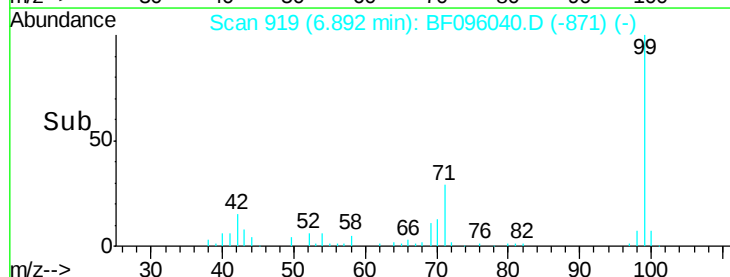
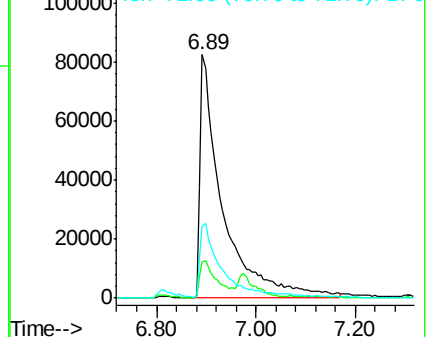
71 29.4 24.5 36.7

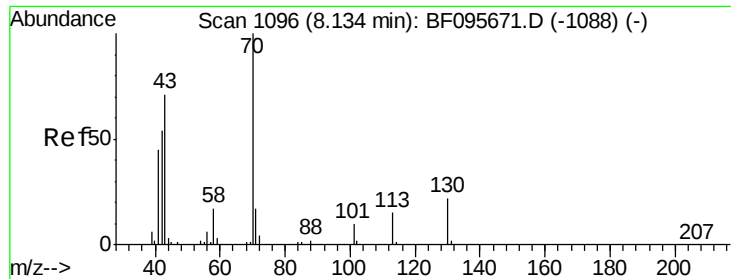


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

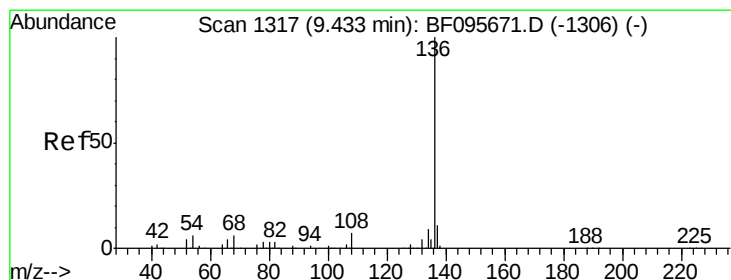
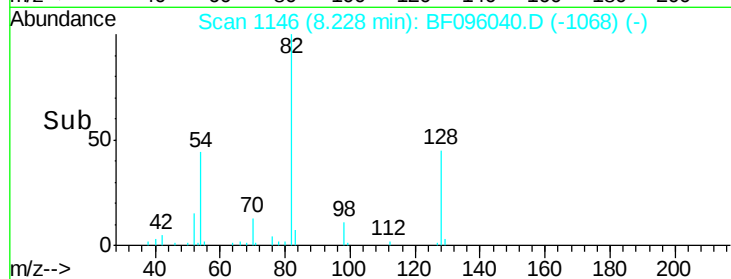
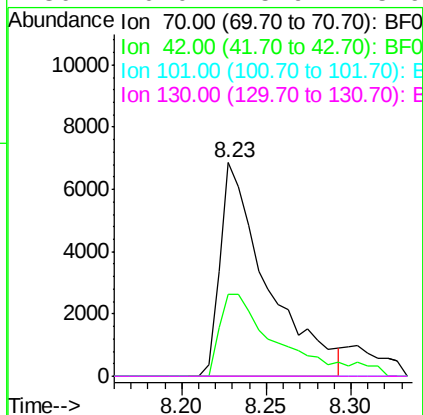
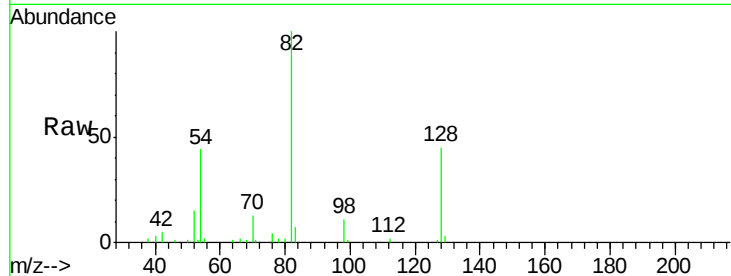




#19
n-Nitroso-di-n-propylamine
Concen: 4.679 ng
RT: 8.23 min Scan# 1146
Delta R.T. 0.16 min
Lab File: BF096040.D
Acq: 20 Jun 2017 11:44

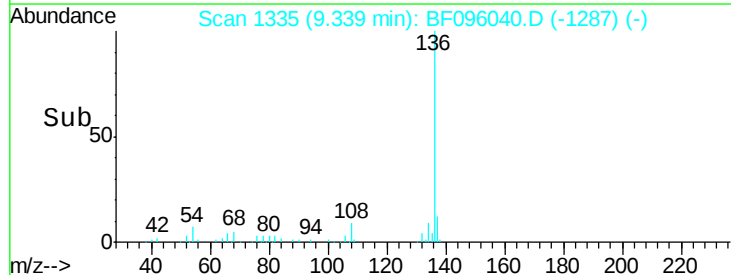
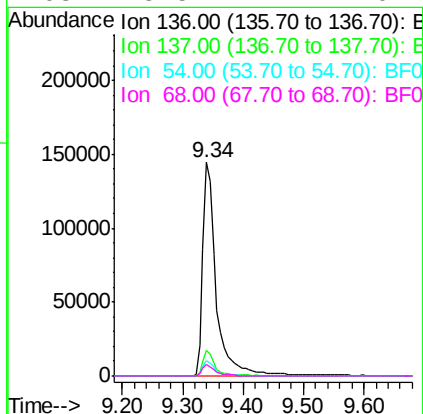
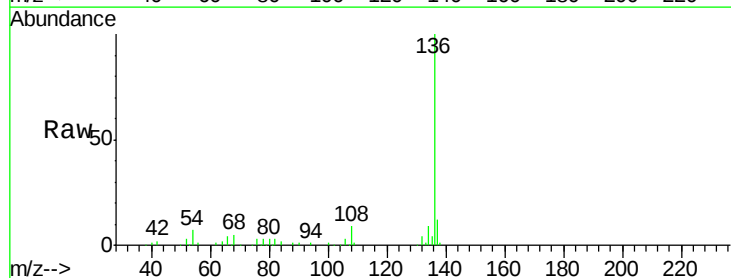
Instrument :
BNA_F
ClientSampleId :
E2-S5-NSW

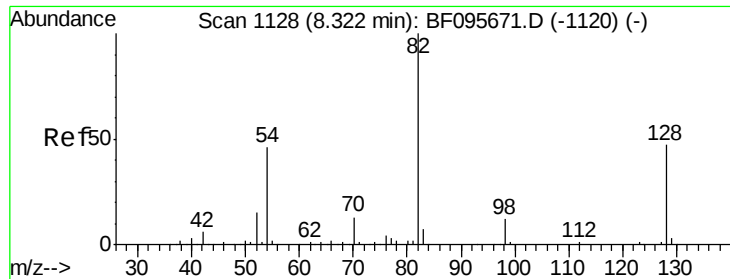
Tgt Ion: 70 Resp: 13408
Ion Ratio Lower Upper
70 100
42 38.2 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.34 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF096040.D
Acq: 20 Jun 2017 11:44

Tgt Ion: 136 Resp: 227926
Ion Ratio Lower Upper
136 100
137 11.8 8.5 12.7
54 7.1 4.9 7.3
68 5.5 4.1 6.1

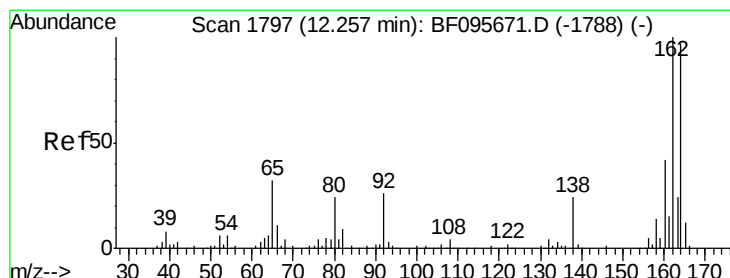
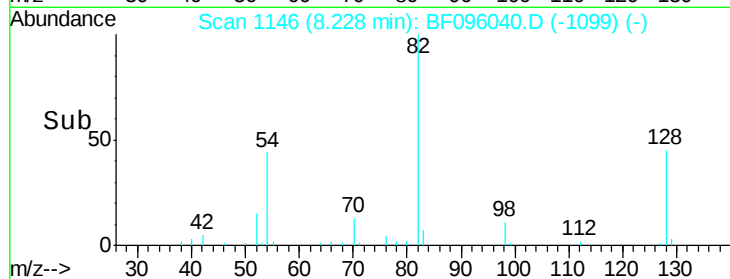
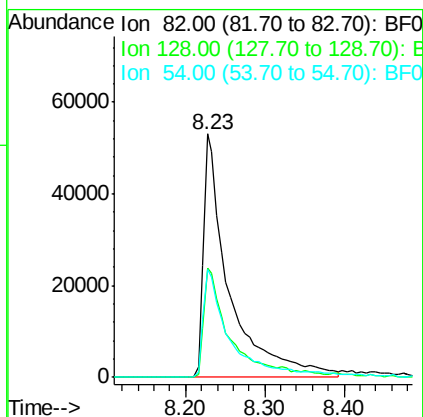
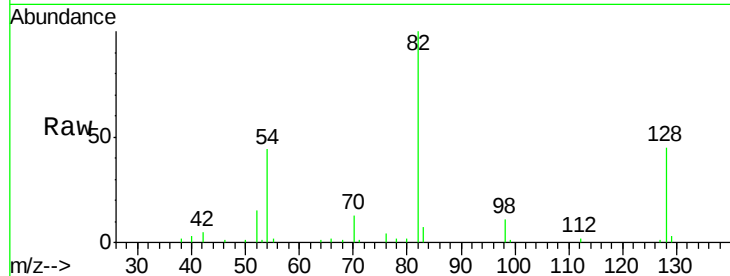




#23
 Nitrobenzene-d5
 Concen: 32.708 ng
 RT: 8.23 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

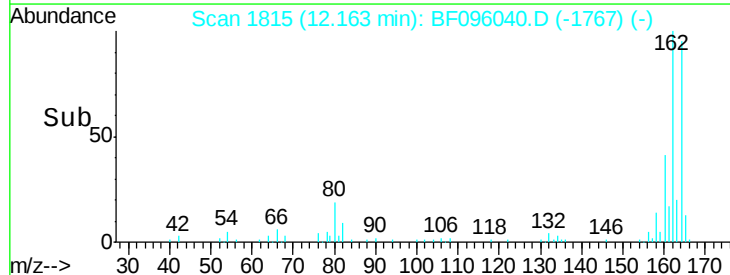
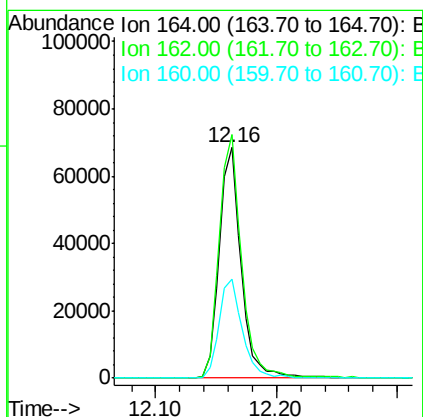
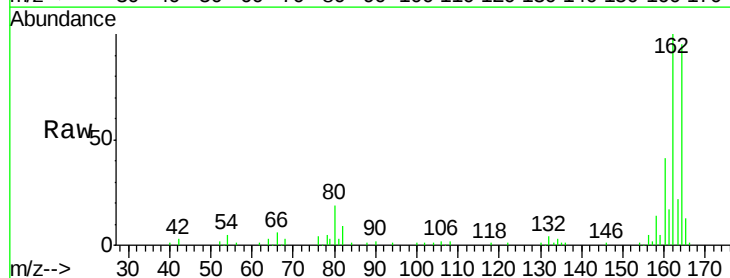
Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-NSW

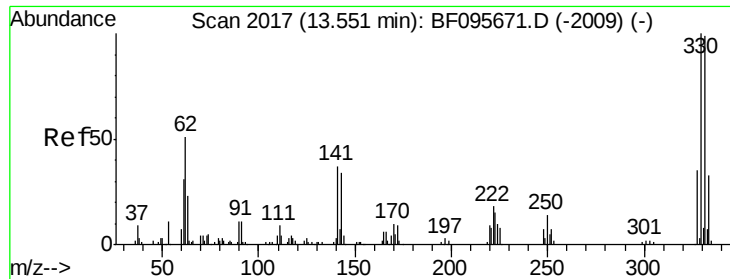
Tgt Ion: 82 Resp: 120038
 Ion Ratio Lower Upper
 82 100
 128 44.9 34.0 51.0
 54 44.4 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 12.16 min Scan# 1815
 Delta R.T. -0.02 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

Tgt Ion: 164 Resp: 85259
 Ion Ratio Lower Upper
 164 100
 162 105.6 82.6 123.8
 160 43.0 36.2 54.2

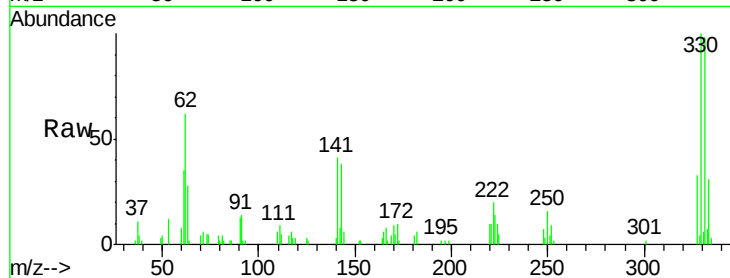




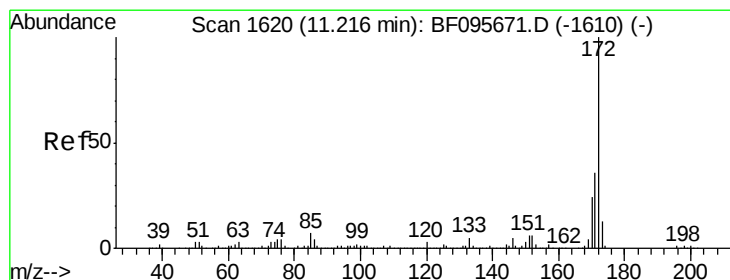
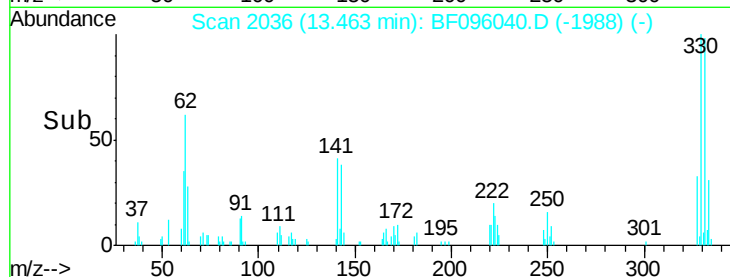
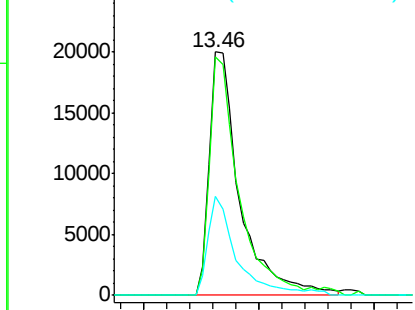
#41
 2,4,6-Tribromophenol
 Concen: 48.968 ng
 RT: 13.46 min Scan# 2036
 Delta R.T. -0.02 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-NSW

Tgt Ion:330 Resp: 36939
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 38.6 31.4 47.2

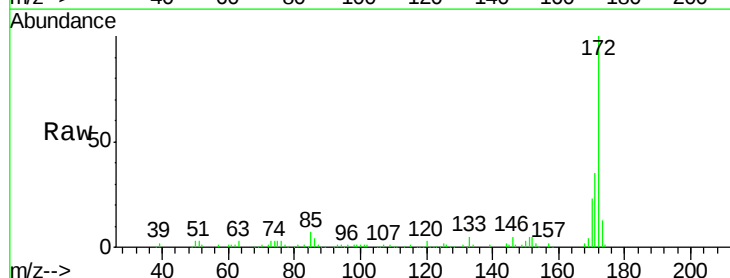


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

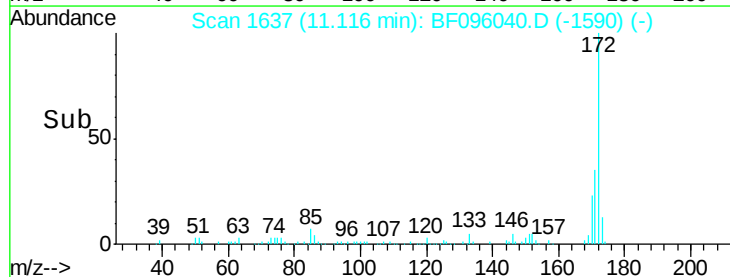
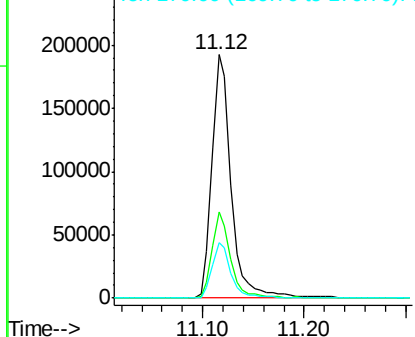


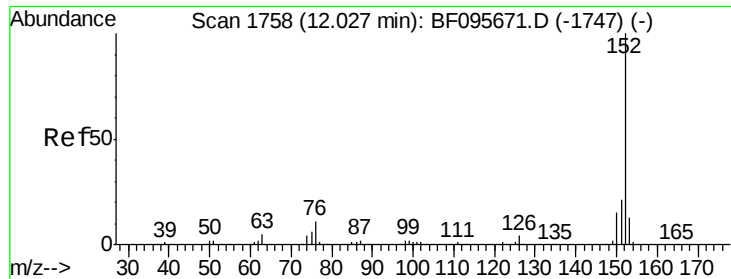
#44
 2-Fluorobiphenyl
 Concen: 41.463 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

Tgt Ion:172 Resp: 254036
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 22.6 19.8 29.8



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: 3.887 ng

RT: 11.94 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW

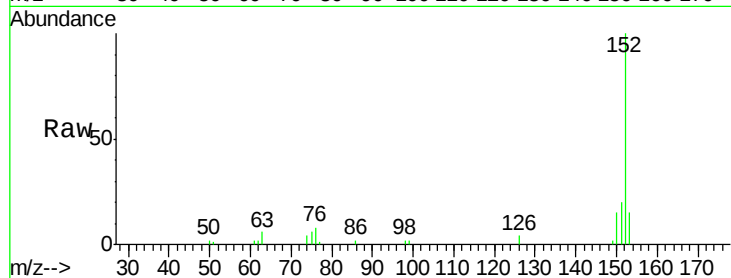
Tgt Ion:152 Resp: 36496

Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

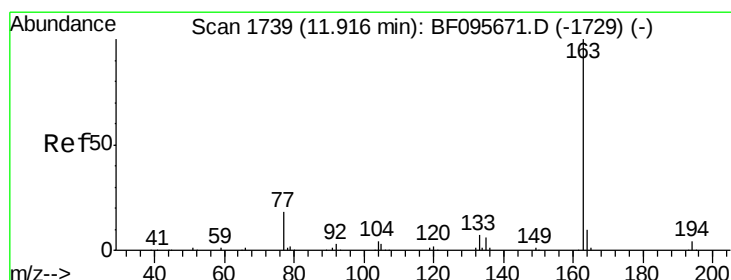
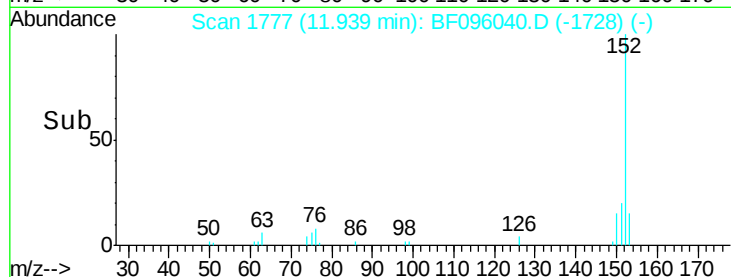
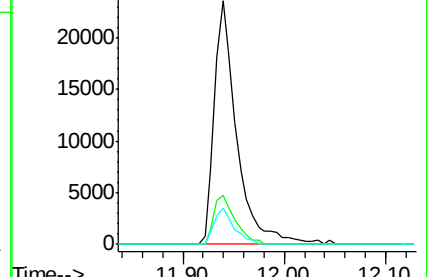
153 14.9 10.8 16.2



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: 4.421 ng

RT: 11.82 min Scan# 1757

Delta R.T. -0.03 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

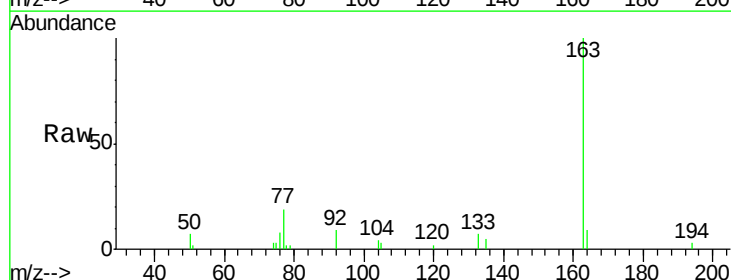
Tgt Ion:163 Resp: 28621

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

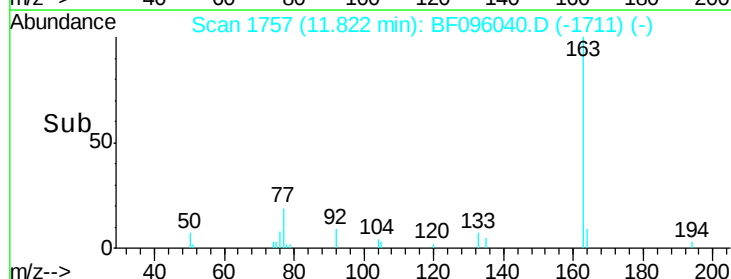
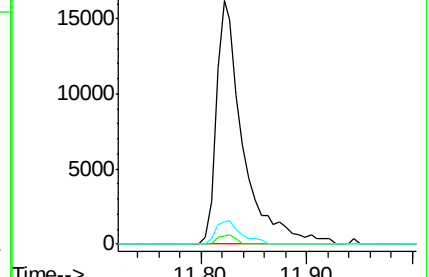
164 9.1 8.4 12.6

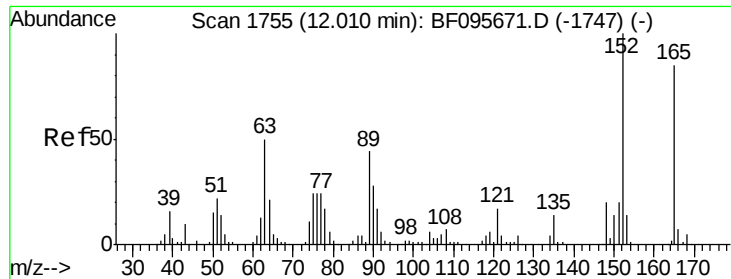


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

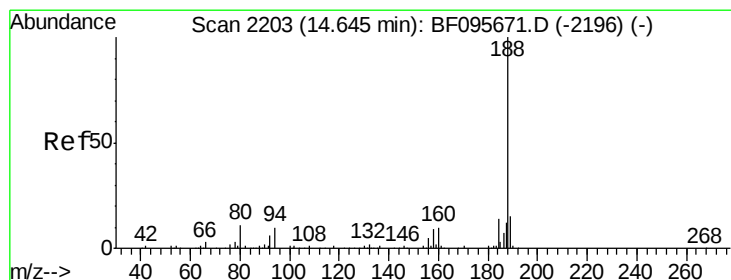
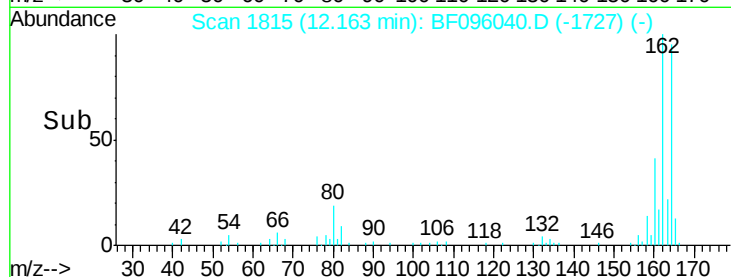
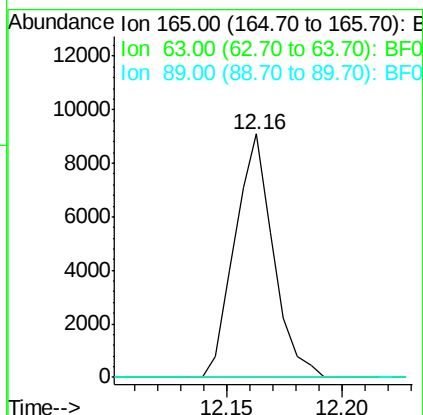
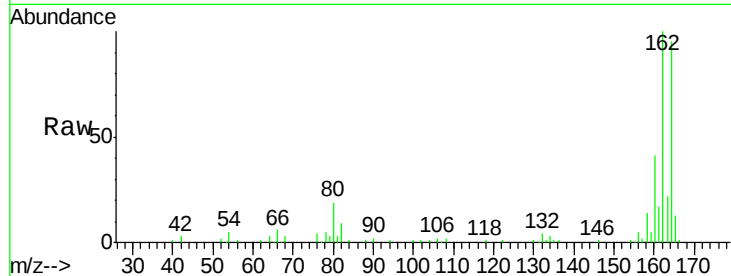




#50
 2,6-Dinitrotoluene
 Concen: 7.458 ng
 RT: 12.16 min Scan# 1815
 Delta R.T. 0.22 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

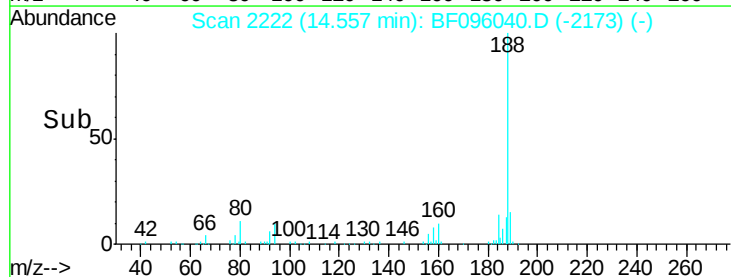
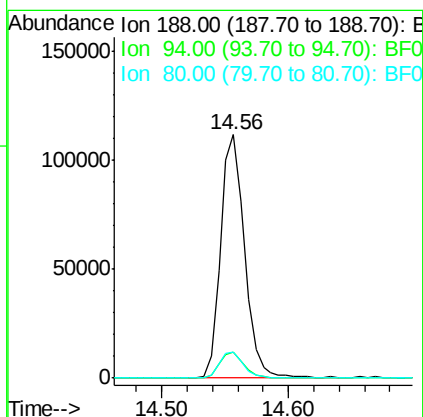
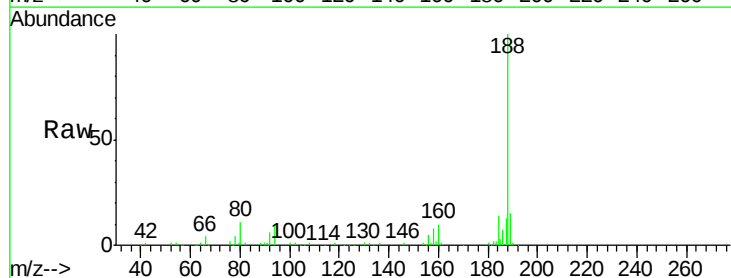
Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-NSW

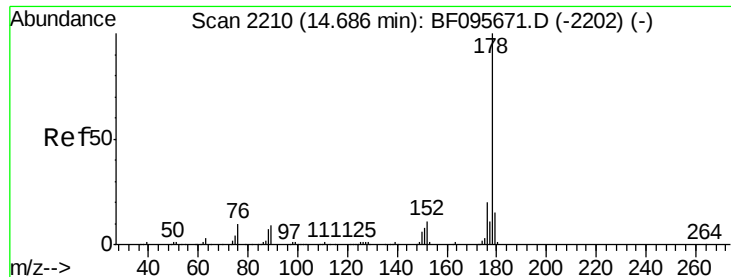
Tgt Ion:165 Resp: 10531
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

Tgt Ion:188 Resp: 146954
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.4 14.2
 80 10.9 10.2 15.2





#70

Phenanthrene

Concen: 7.069 ng

RT: 14.60 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW

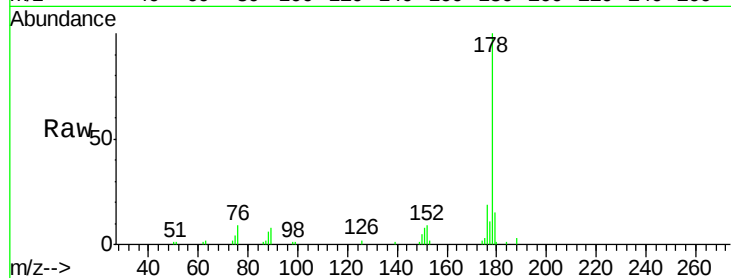
Tgt Ion:178 Resp: 59941

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

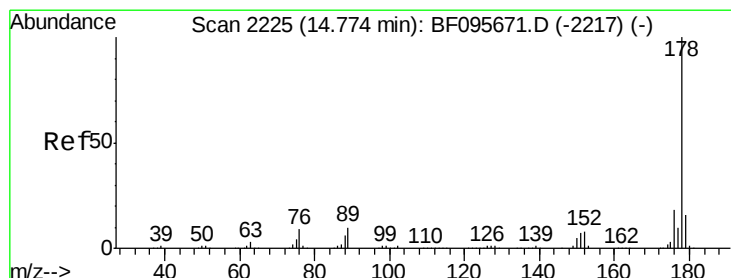
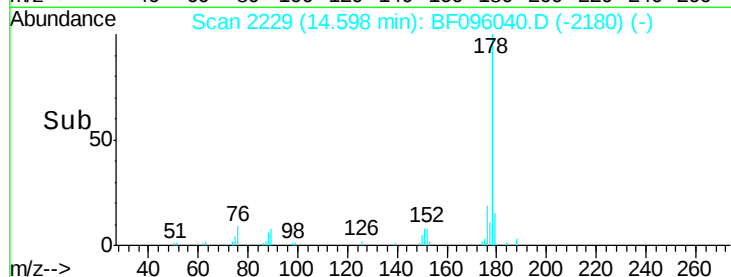
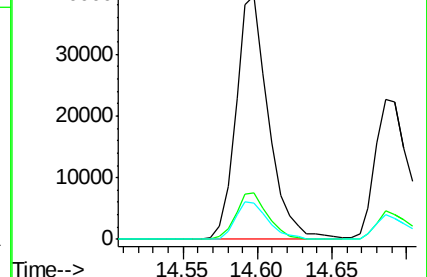
179 14.9 12.6 19.0



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: 4.282 ng

RT: 14.69 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

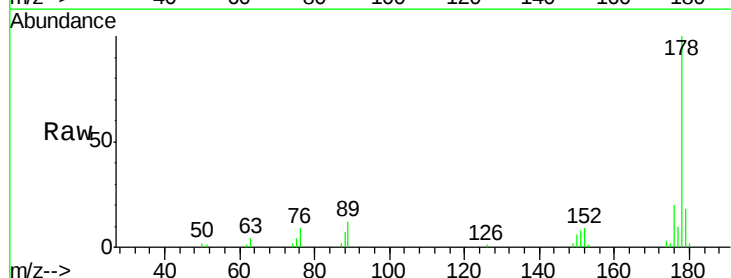
Tgt Ion:178 Resp: 37907

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

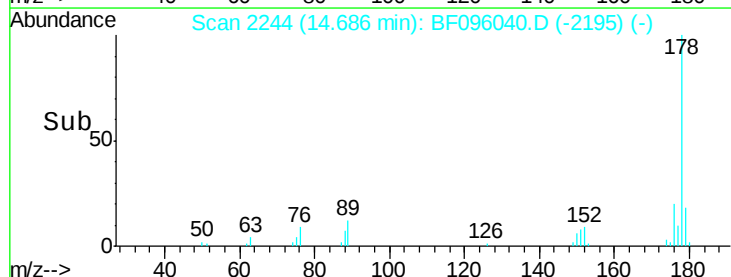
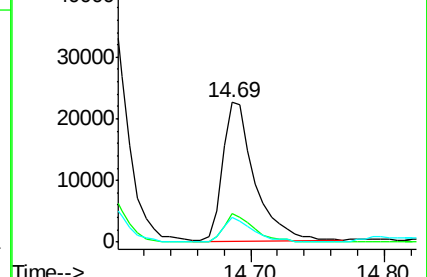
179 17.6 12.7 19.1

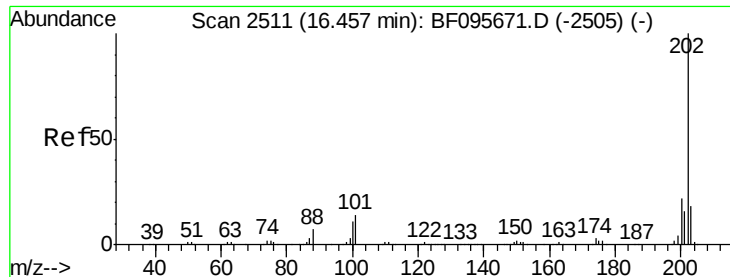


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

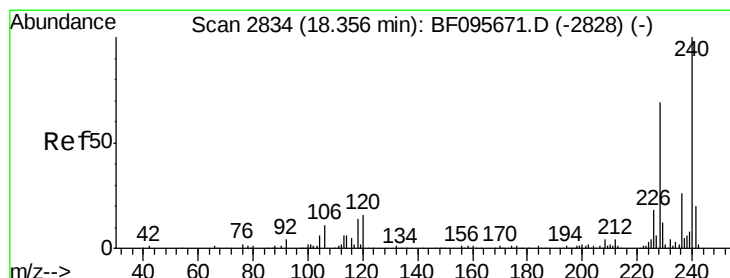
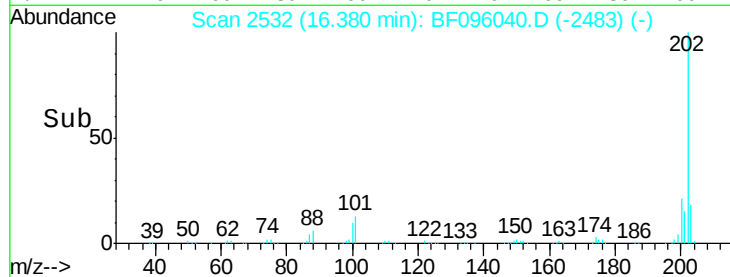
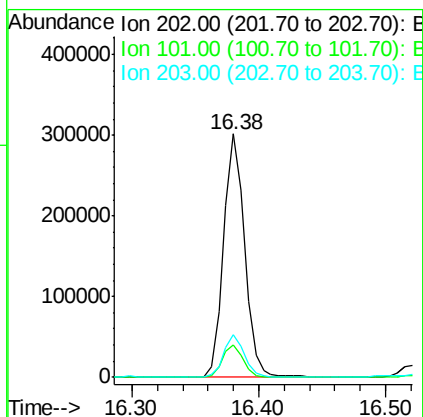
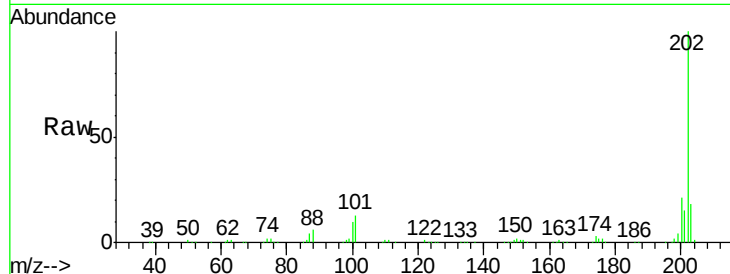




#74
 Fluoranthene
 Concen: 41.613 ng
 RT: 16.38 min Scan# 2532
 Delta R.T. -0.01 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

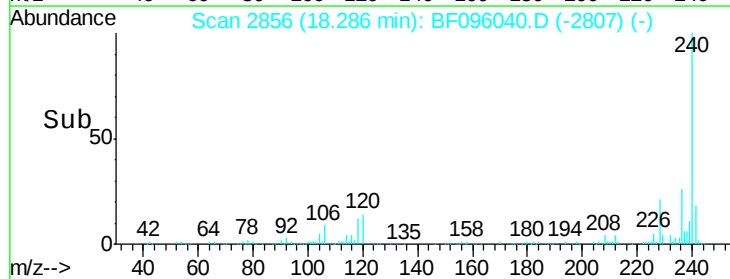
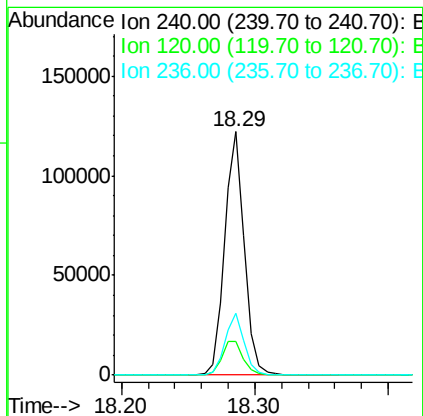
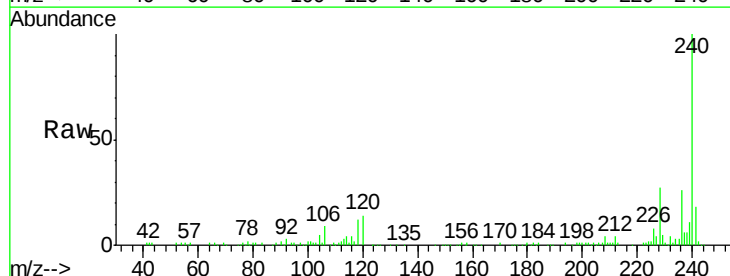
Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-NSW

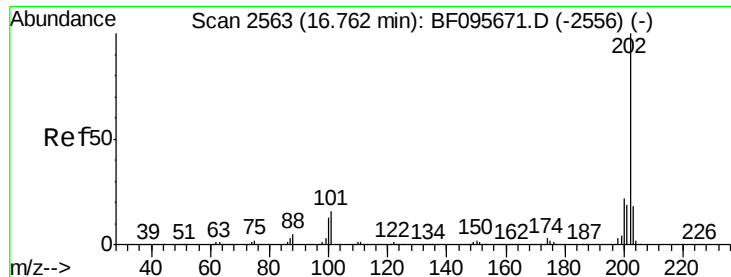
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	349229		
101	13.5	0.0	33.2	
203	17.7	0.0	38.1	



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.29 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	126428		
120	13.7	5.8	8.8#	
236	25.7	20.5	30.7	





#77

Pyrene

Concen: 32.283 ng

RT: 16.69 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW

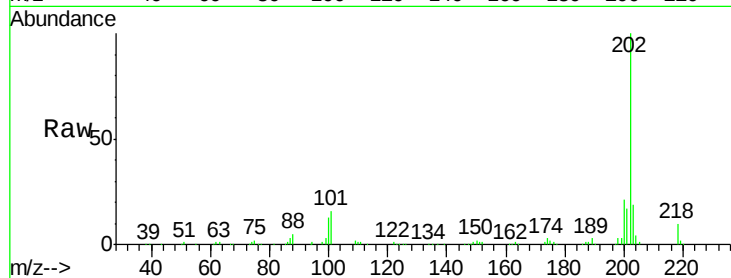
Tgt Ion: 202 Resp: 304536

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

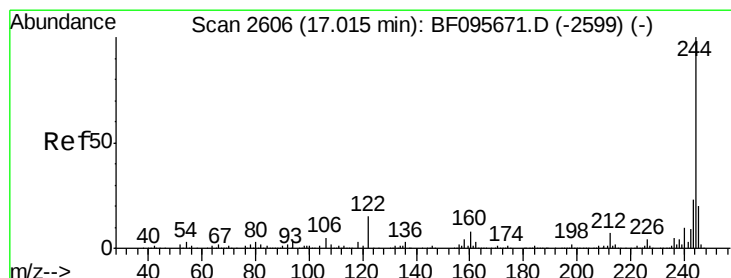
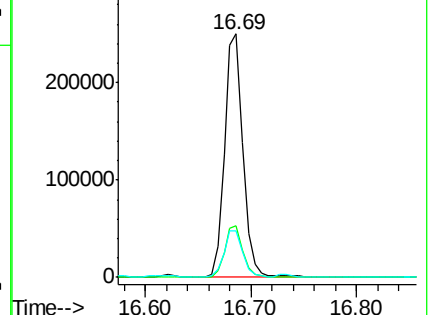
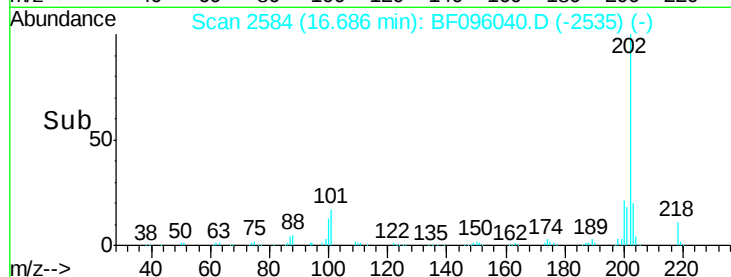
203 19.3 14.4 21.6



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: 38.699 ng

RT: 16.93 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

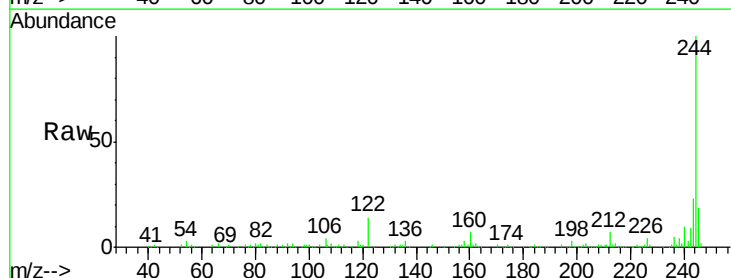
Tgt Ion: 244 Resp: 197148

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

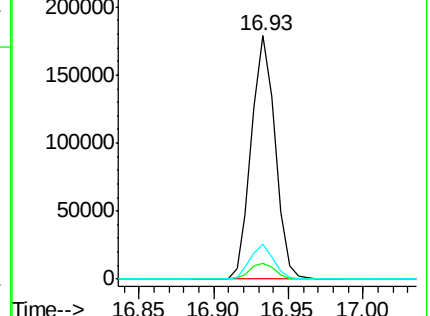
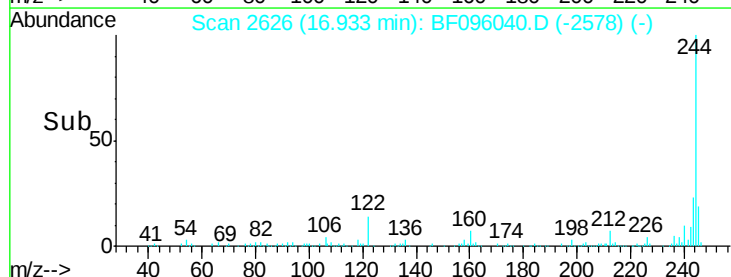
122 14.1 10.3 15.5

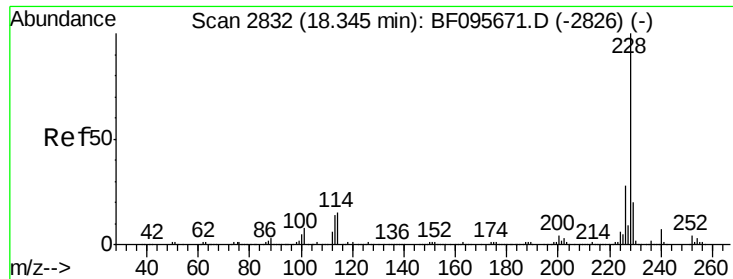


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 19.421 ng

RT: 18.27 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW

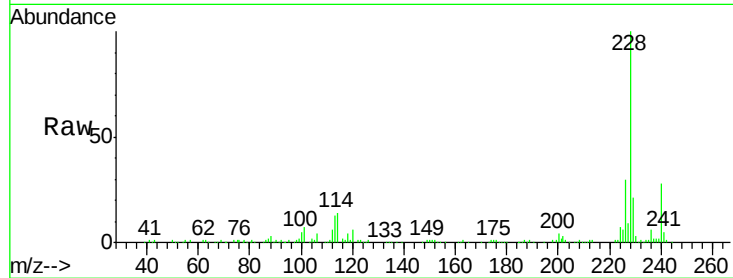
Tgt Ion:228 Resp: 142758

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

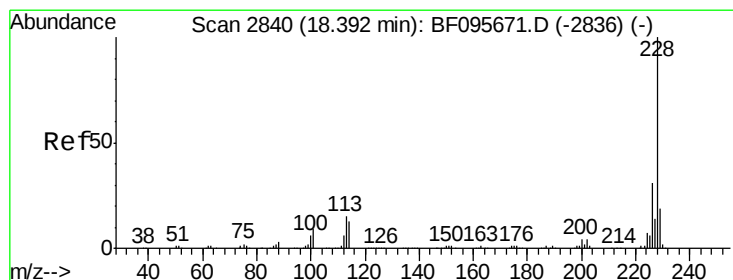
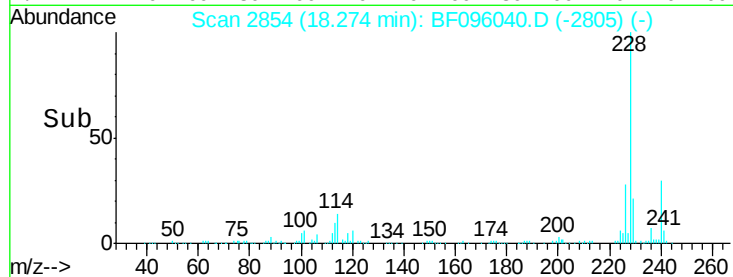
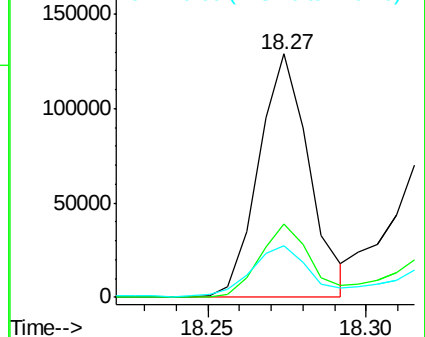
229 21.4 16.3 24.5



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: 14.854 ng

RT: 18.32 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

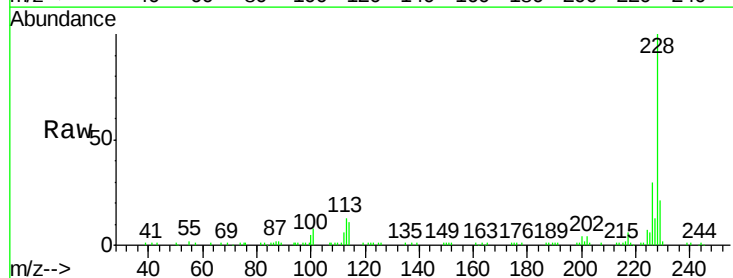
Tgt Ion:228 Resp: 109115

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

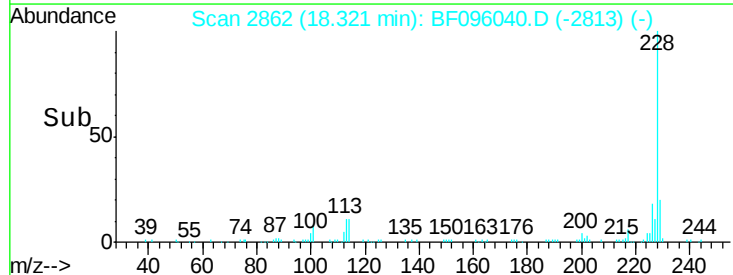
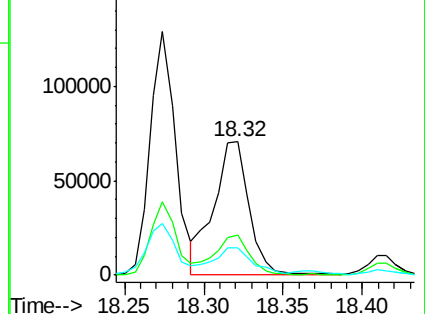
229 20.6 15.8 23.6

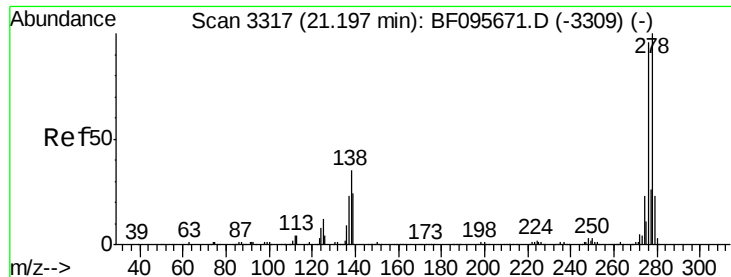


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

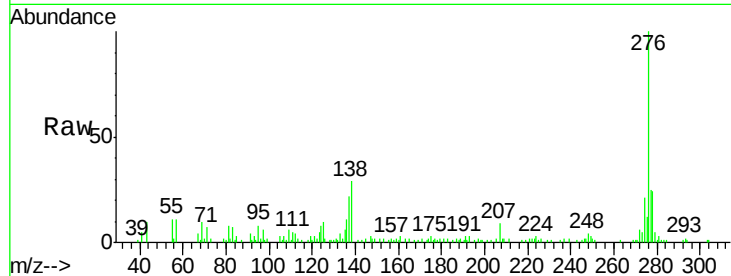




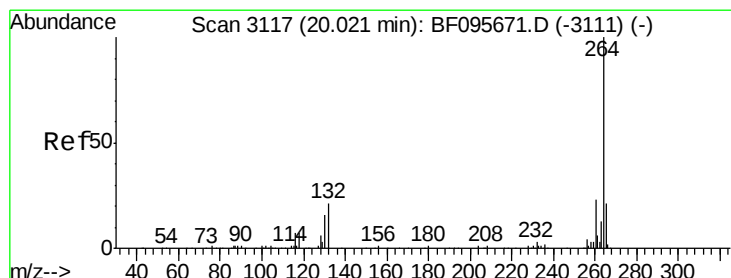
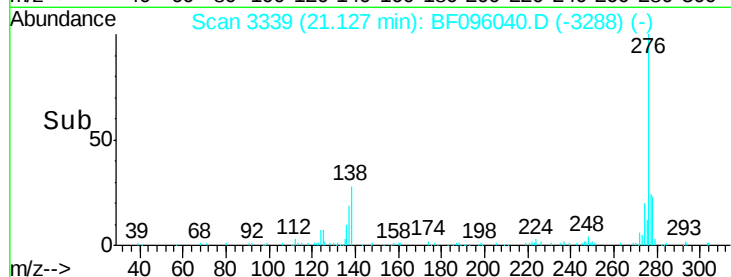
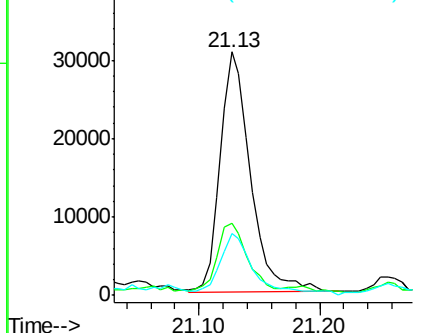
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.521 ng
 RT: 21.13 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 E2-S5-NSW

Tgt Ion: 276 Resp: 53558
 Ion Ratio Lower Upper
 276 100
 138 27.8 27.8 41.6
 277 25.6 20.2 30.4

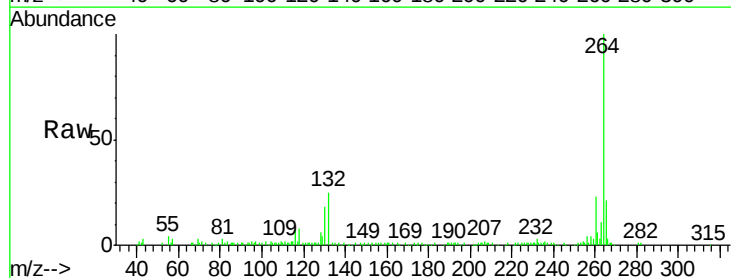


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

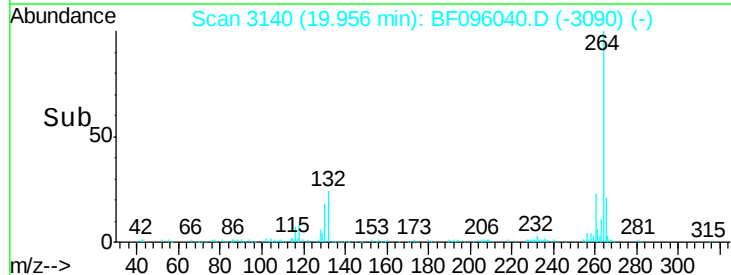
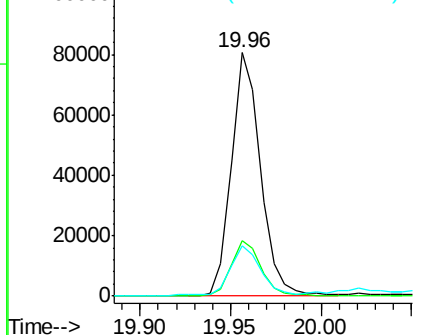


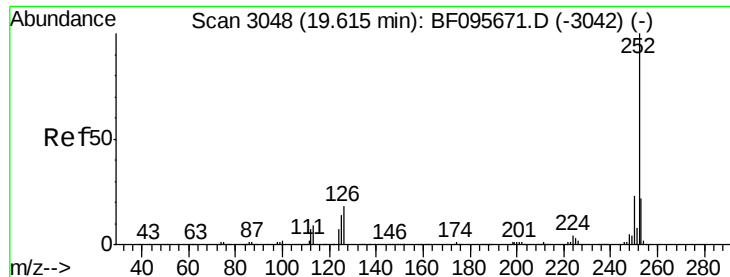
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 19.96 min Scan# 3140
 Delta R.T. -0.01 min
 Lab File: BF096040.D
 Acq: 20 Jun 2017 11:44

Tgt Ion: 264 Resp: 90553
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 20.9 17.2 25.8



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: 32.291 ng

RT: 19.56 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW

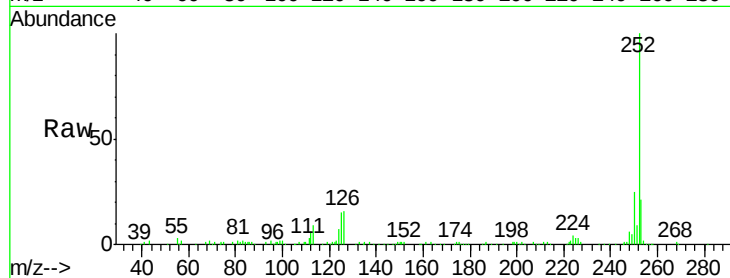
Tgt Ion:252 Resp: 183094

Ion Ratio Lower Upper

252 100

253 20.6 18.1 27.1

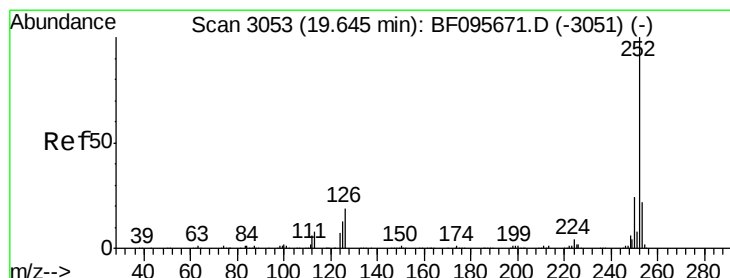
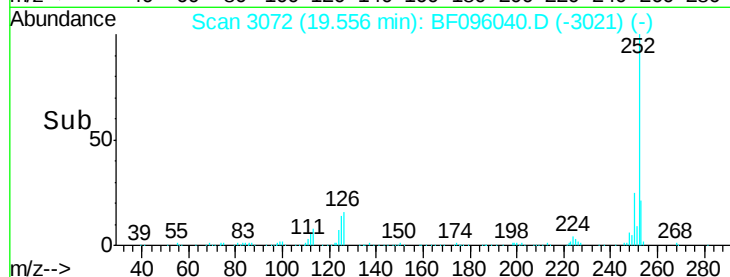
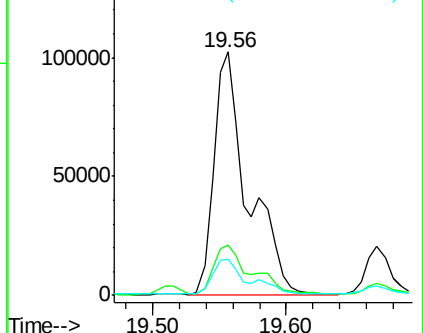
125 14.9 9.8 14.8#



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: 33.783 ng

RT: 19.56 min Scan# 3072

Delta R.T. -0.04 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

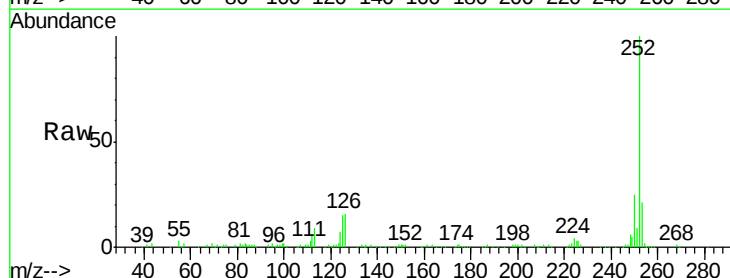
Tgt Ion:252 Resp: 183094

Ion Ratio Lower Upper

252 100

253 20.6 18.4 27.6

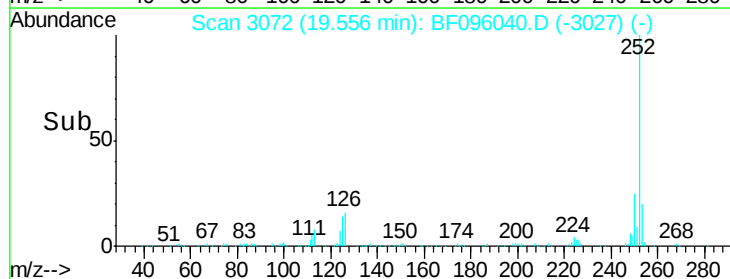
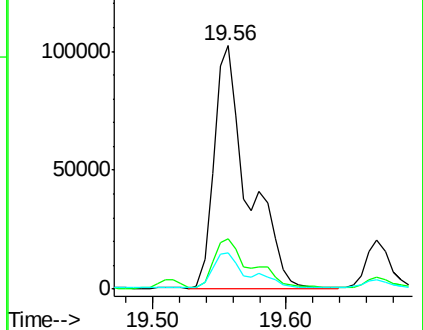
125 14.9 13.1 19.7

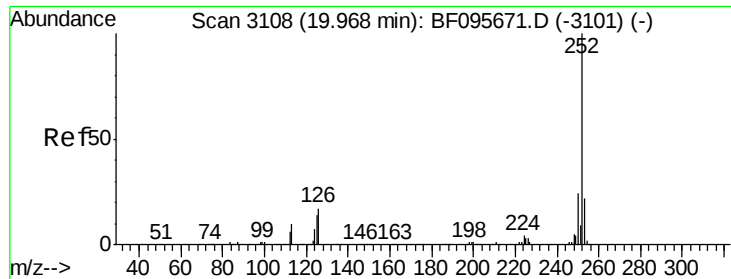


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.461 ng

RT: 19.90 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW

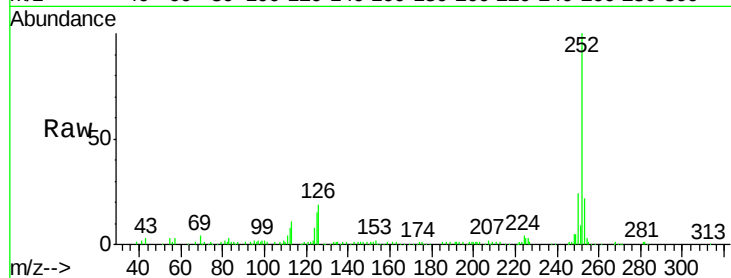
Tgt Ion:252 Resp: 96211

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

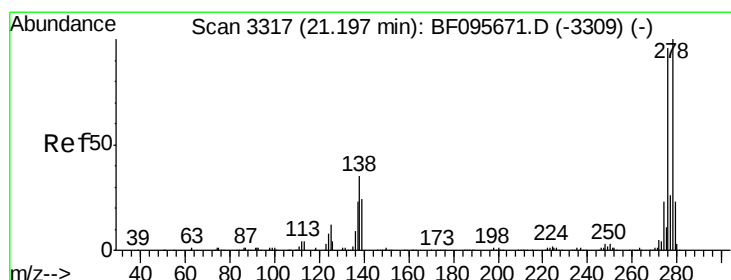
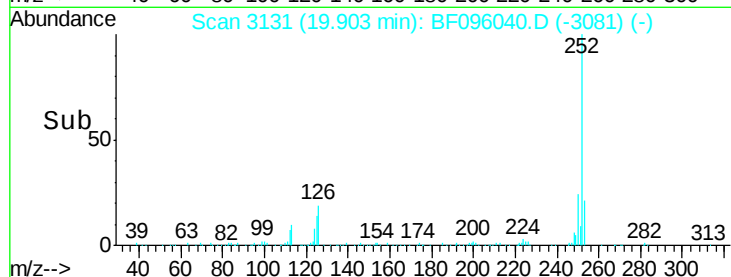
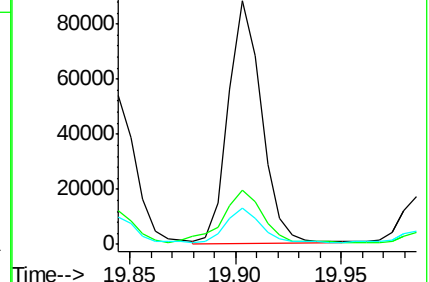
125 14.9 11.0 16.4



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: 2.524 ng

RT: 20.97 min Scan# 3313

Delta R.T. -0.15 min

Lab File: BF096040.D

Acq: 20 Jun 2017 11:44

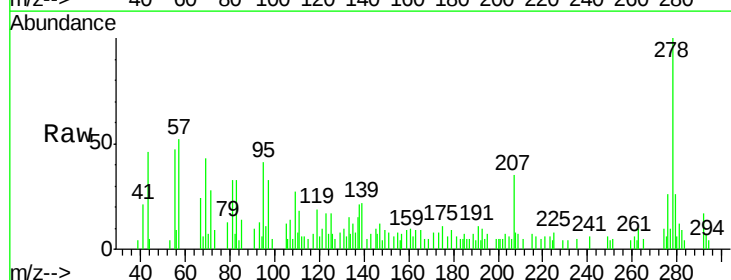
Tgt Ion:278 Resp: 11156

Ion Ratio Lower Upper

278 100

139 22.0 16.6 24.8

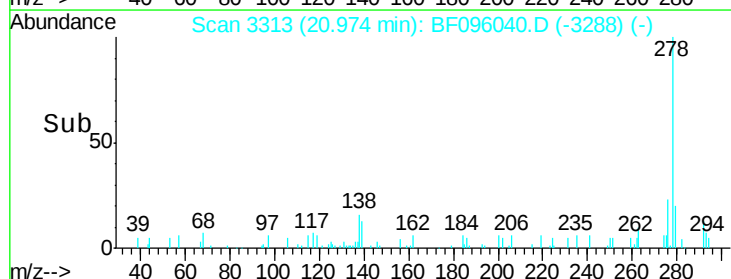
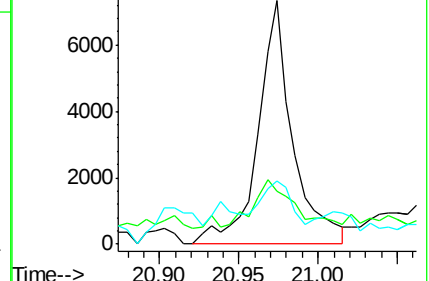
279 25.7 19.3 28.9

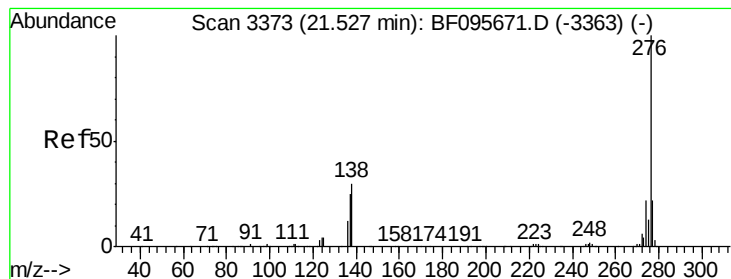


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.646 ng

RT: 21.46 min Scan# 3396

Delta R.T. 0.02 min

Lab File: BF096040.D

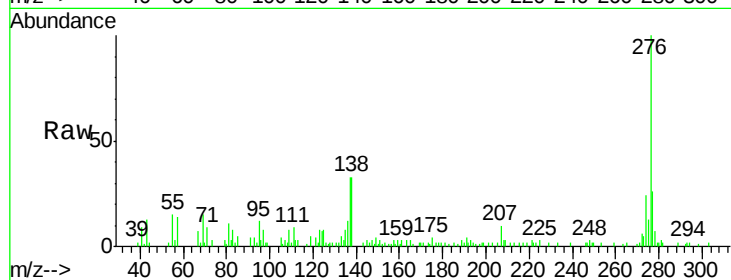
Acq: 20 Jun 2017 11:44

Instrument :

BNA_F

ClientSampleId :

E2-S5-NSW



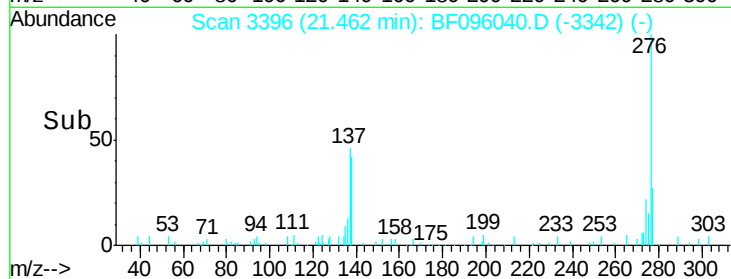
Tgt Ion: 276 Resp: 43475

Ion Ratio Lower Upper

276 100

277 26.2 18.6 28.0

138 32.5 25.4 38.0



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

