

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095738.D
 Acq On : 7 Jun 2017 9:21
 Operator : SJ/MA
 Sample : I3465-02 50X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

Quant Time: Jun 07 11:38:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

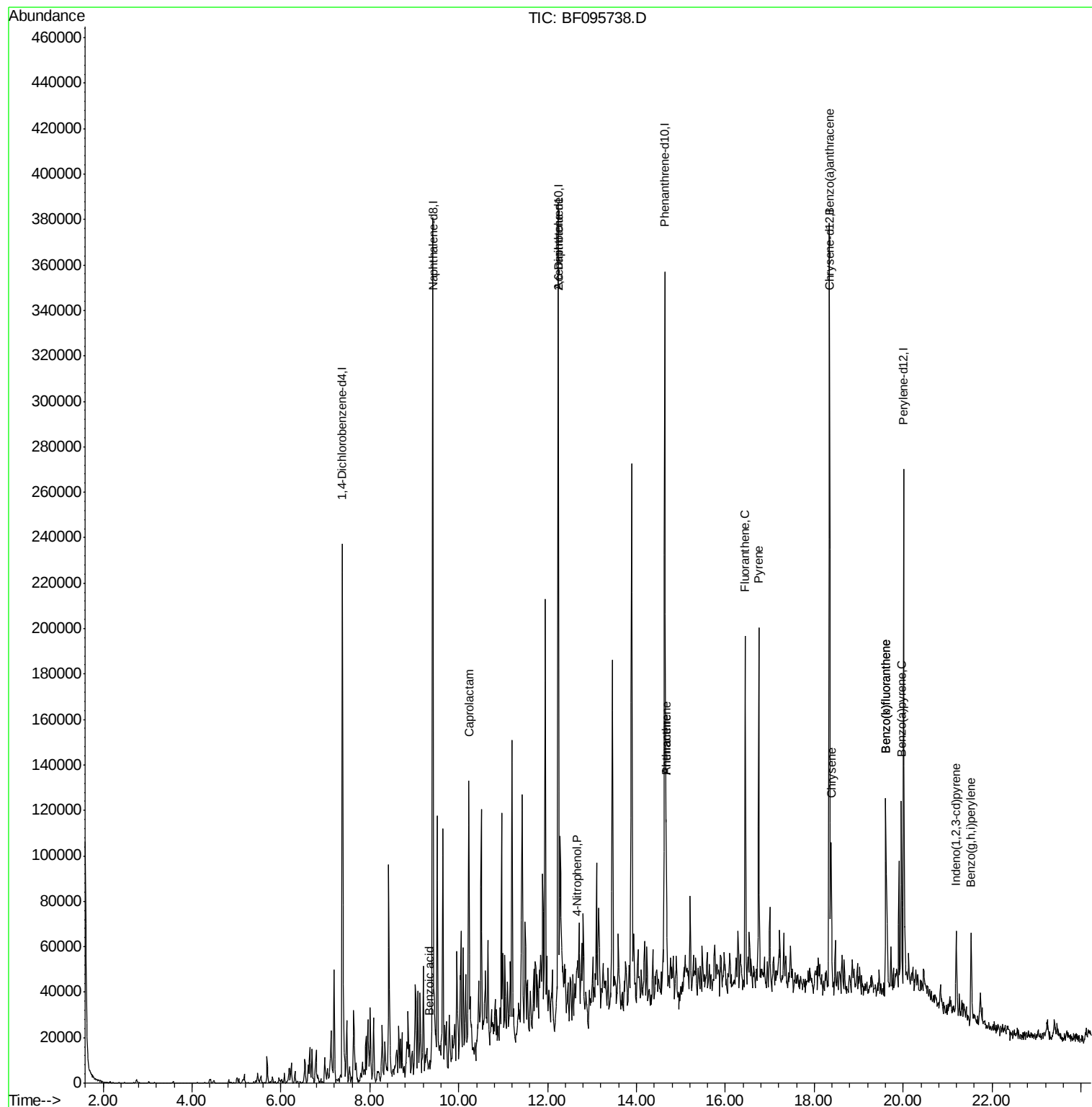
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	61253	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	243439	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	93983	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	142576	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	127075	20.00	ng	-0.01
86) Perylene-d12	20.01	264	91341	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1272	0.33	ng	0.15
7) Phenol-d6	7.05	99	2509	0.55	ng	0.09
23) Nitrobenzene-d5	8.38	82	3754	0.96	ng	0.06
41) 2,4,6-Tribromophenol	13.56	330	582	0.70	ng	0.01
44) 2-Fluorobiphenyl	11.20	172	8464	1.25	ng	-0.02
78) Terphenyl-d14	17.00	244	6293	1.23	ng	-0.02
Target Compounds						
32) Benzoic acid	9.35	122	1086	5.57	ng	# 22
35) Caprolactam	10.23	113	3752	3.85	ng	# 59
50) 2,6-Dinitrotoluene	12.24	165	12977	8.34	ng	# 31
55) 4-Nitrophenol	12.67	139	121	4.73	ng	# 1
70) Phenanthrene	14.67	178	43168	5.25	ng	95
71) Anthracene	14.67	178	43168	5.03	ng	95
74) Fluoranthene	16.44	202	76377	9.38	ng	98
77) Pyrene	16.75	202	72198	7.61	ng	# 95
80) Benzo(a)anthracene	18.33	228	32463	4.39	ng	97
82) Chrysene	18.38	228	31472	4.26	ng	96
85) Indeno(1,2,3-cd)pyrene	21.20	276	24409	3.86	ng	97
87) Benzo(b)fluoranthene	19.61	252	59309	10.37	ng	# 97
88) Benzo(k)fluoranthene	19.61	252	59309	10.85	ng	99
89) Benzo(a)pyrene	19.96	252	35936	6.84	ng	95
91) Benzo(a,h,i)perylene	21.53	276	27505	6.05	ng	97

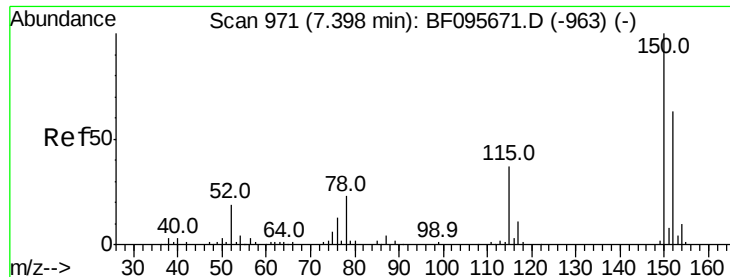
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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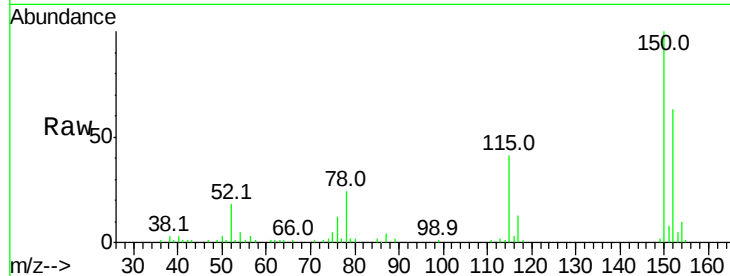


#1

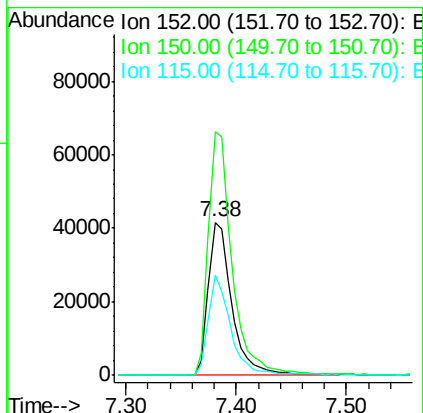
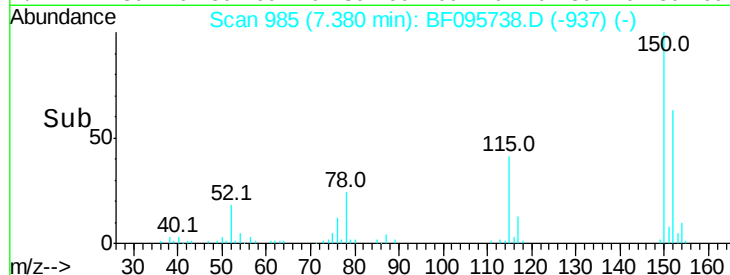
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.38 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

Tot Ion:152 Resp: 61253
 Ion Ratio Lower Upper
 152 100
 150 159.1 126.2 189.2
 115 65.4 52.2 78.2



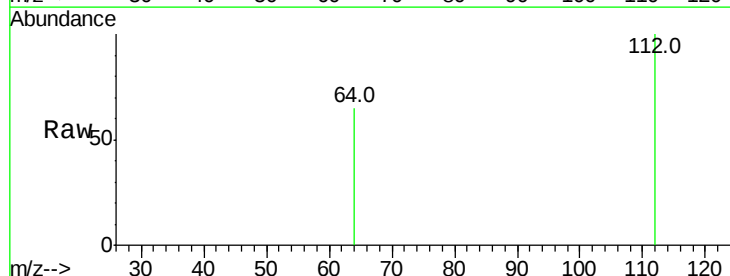
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



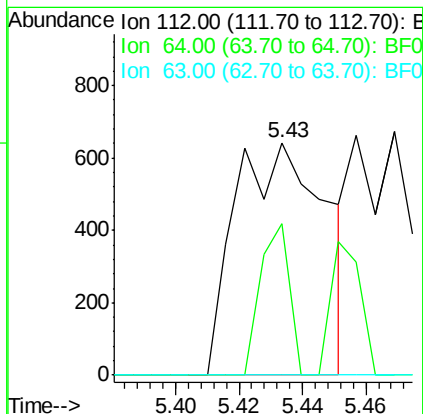
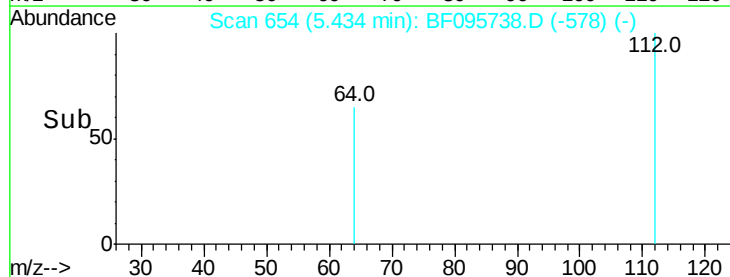
#5

2-Fluorophenol
 Concen: 0.33 ng
 RT: 5.43 min Scan# 654
 Delta R.T. 0.15 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion:112 Resp: 1272
 Ion Ratio Lower Upper
 112 100
 64 64.9 46.0 69.0
 63 0.0 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: 0.55 ng

RT: 7.05 min Scan# 929

Delta R.T. 0.09 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Instrument :

BNA_F

ClientSampleId :

E2-S8-BASE

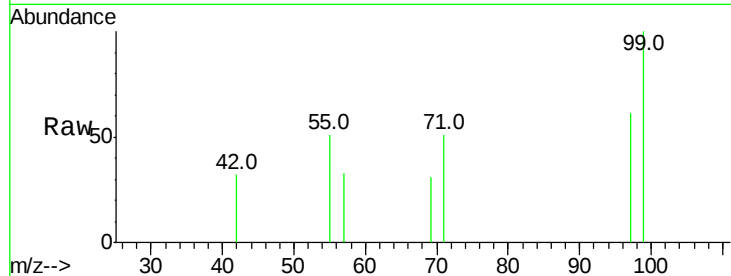
Tot Ion: 99 Resp: 2509

Ion Ratio Lower Upper

99 100

42 31.8 13.5 20.3#

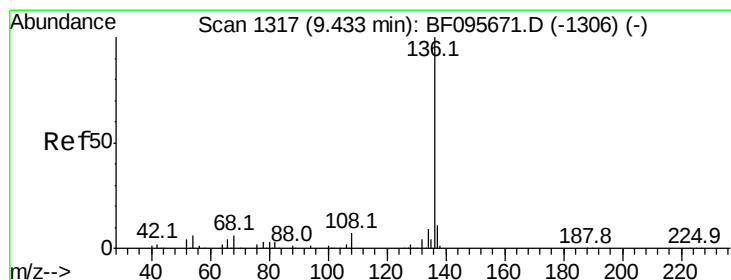
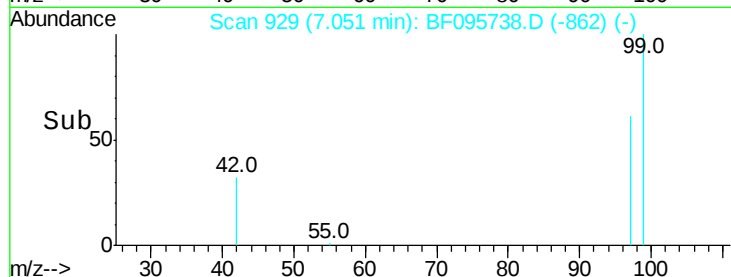
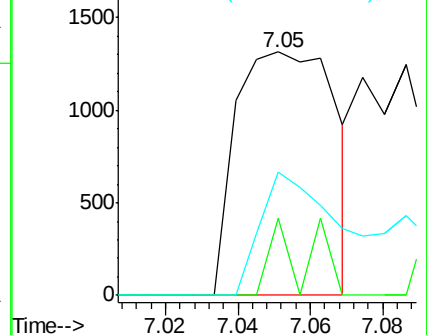
71 50.7 24.5 36.7#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Tgt Ion: 136 Resp: 243439

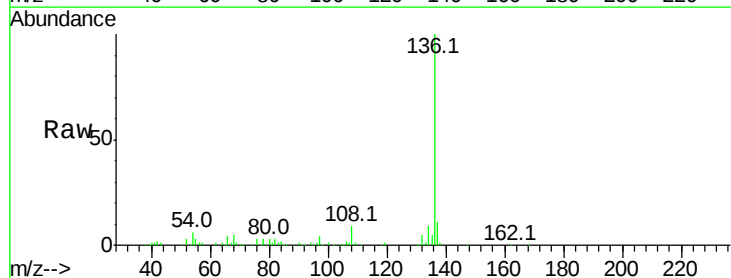
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.4 4.9 7.3

68 5.2 4.1 6.1

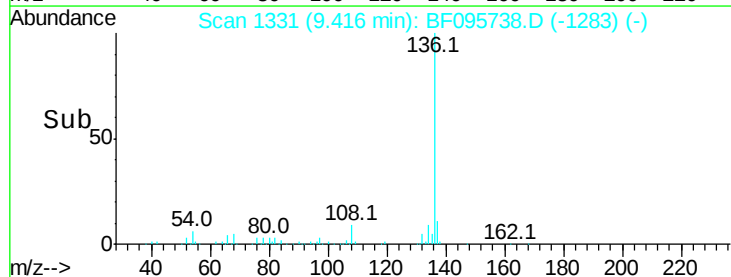
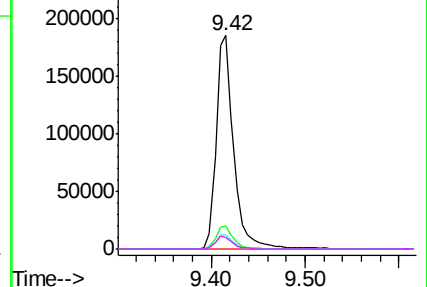


Abundance Ion 136.00 (135.70 to 136.70): E

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

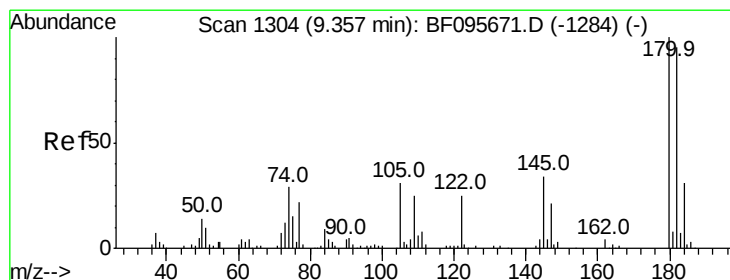
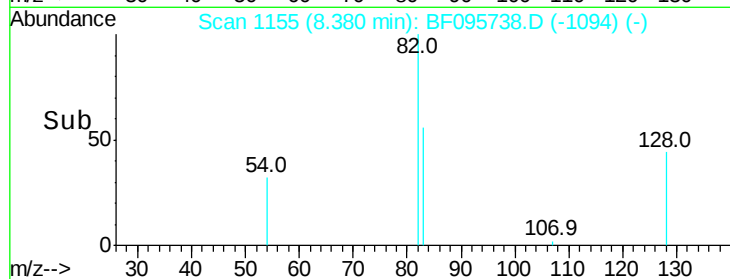
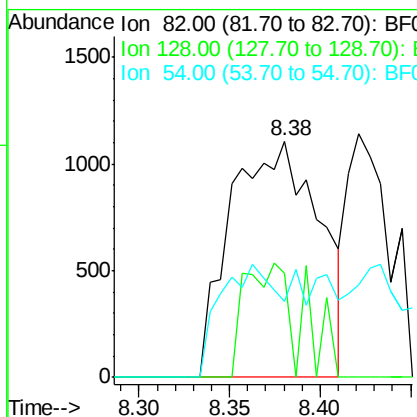
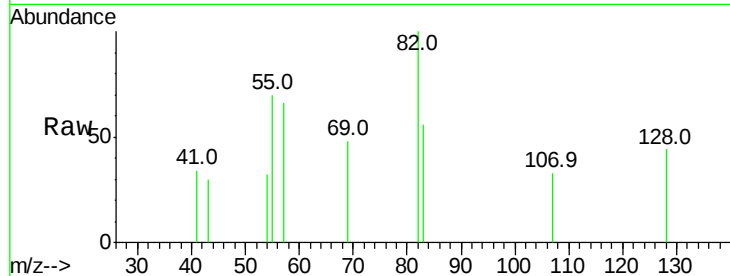




#23
 Nitrobenzene-d5
 Concen: 0.96 ng
 RT: 8.38 min Scan# 1155
 Delta R.T. 0.06 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

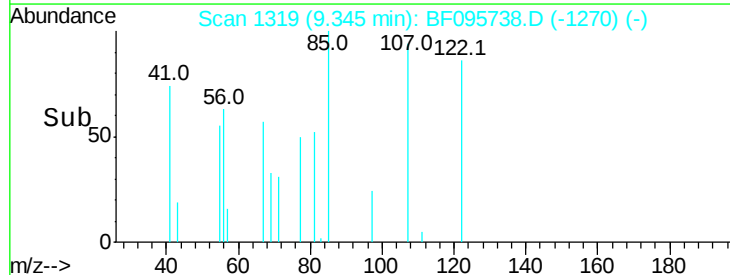
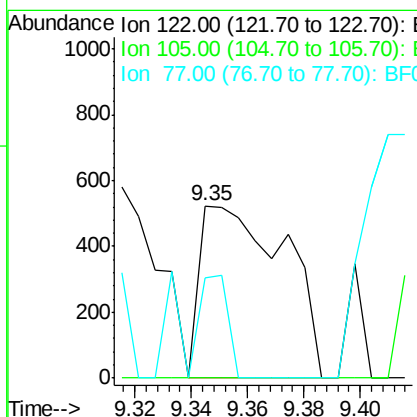
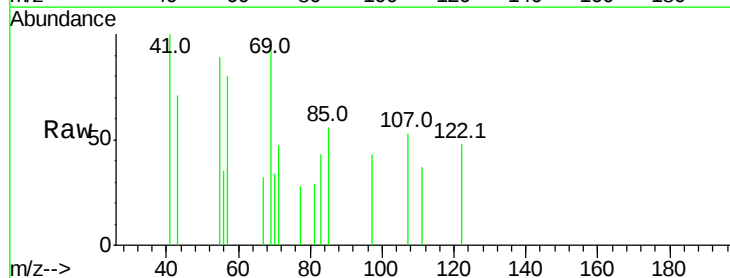
Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

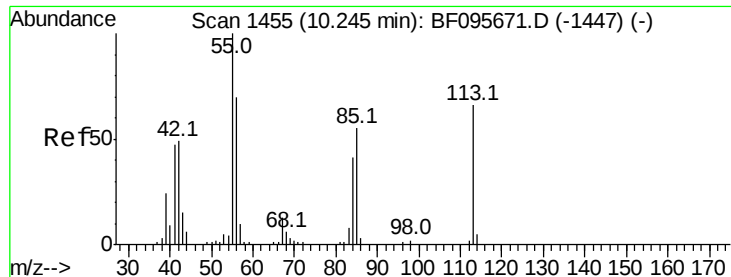
Tot Ion: 82 Resp: 3754
 Ion Ratio Lower Upper
 82 100
 128 44.0 34.0 51.0
 54 32.1 42.2 63.2#



#32
 Benzoic acid
 Concen: 5.57 ng
 RT: 9.35 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion:122 Resp: 1086
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 58.3 73.7 113.7#





#35

Caprolactam

Concen: 3.85 ng

RT: 10.23 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Instrument :

BNA_F

ClientSampleId :

E2-S8-BASE

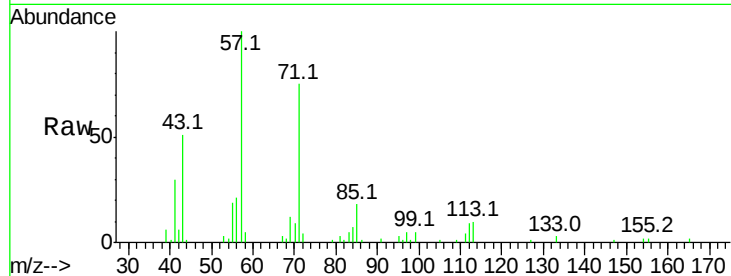
Tot Ion:113 Resp: 3752

Ion Ratio Lower Upper

113 100

55 194.3 150.2 190.2#

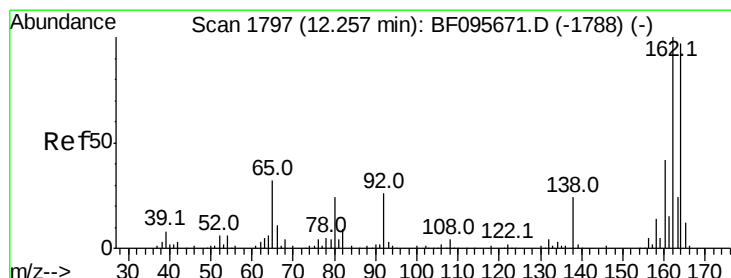
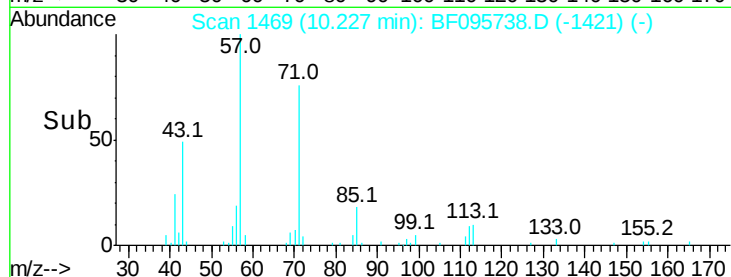
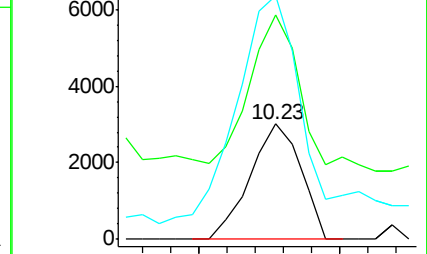
56 211.2 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.24 min Scan# 1811

Delta R.T. -0.02 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

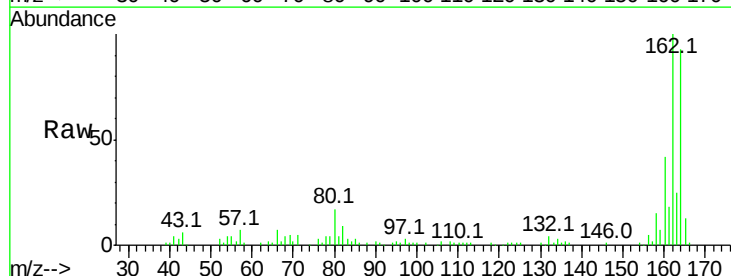
Tgt Ion:164 Resp: 93983

Ion Ratio Lower Upper

164 100

162 107.6 82.6 123.8

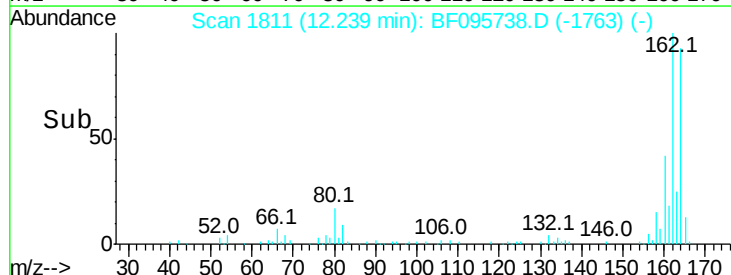
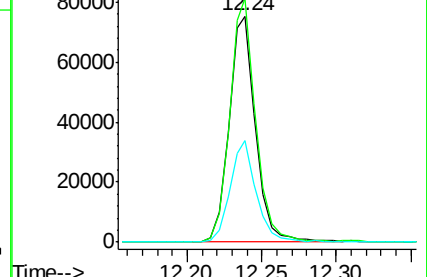
160 44.9 36.2 54.2



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

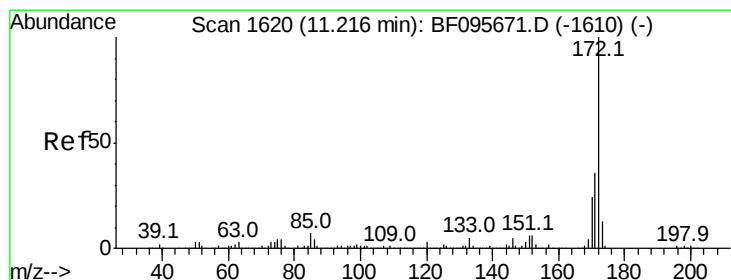
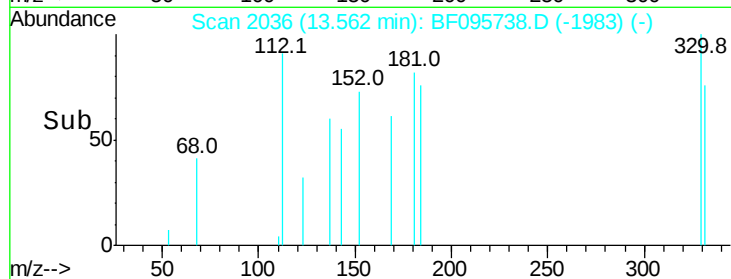
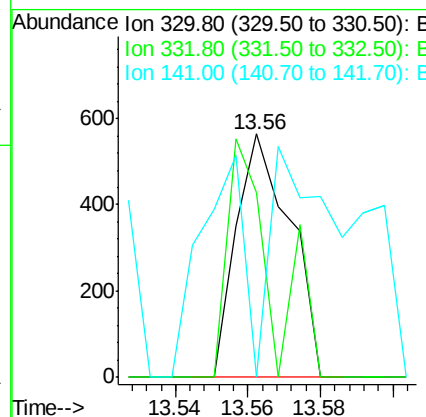
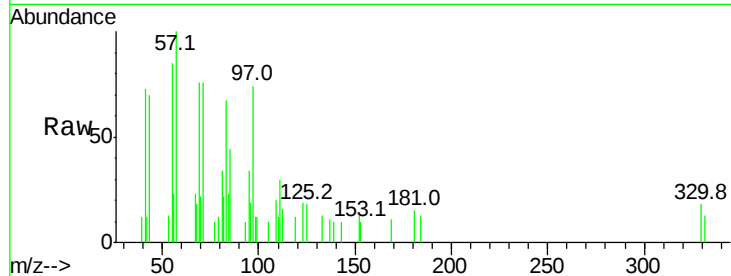




#41
 2,4,6-Tribromophenol
 Concen: 0.70 ng
 RT: 13.56 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

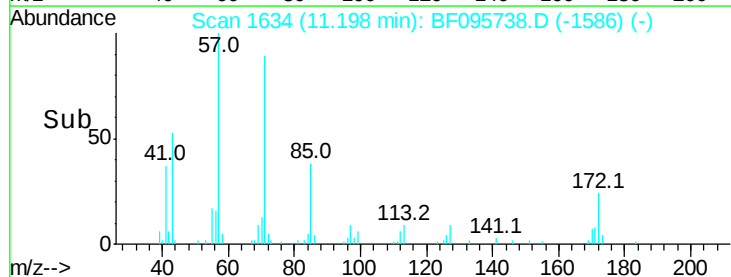
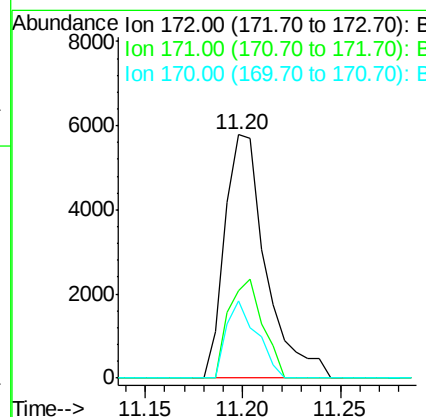
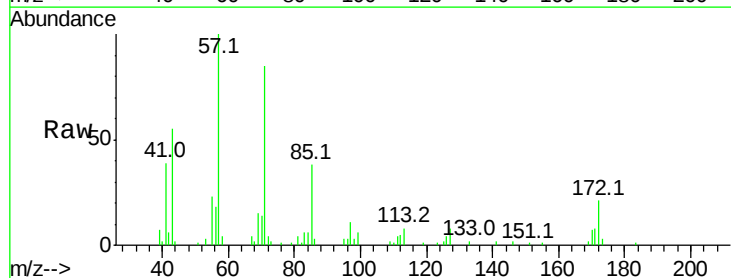
Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

Tot Ion:330 Resp: 582
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.6 115.0#
 141 150.0 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 1.25 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion:172 Resp: 8464
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 31.6 19.8 29.8#

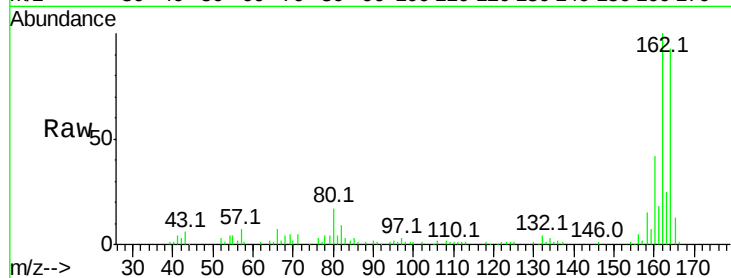




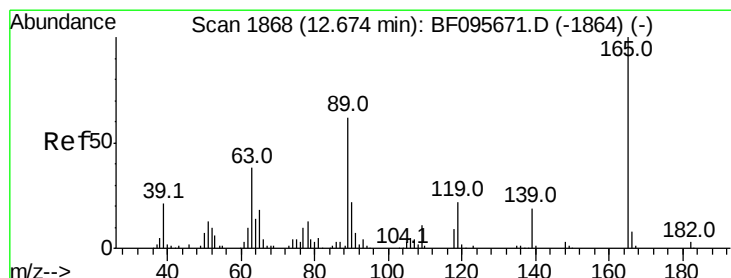
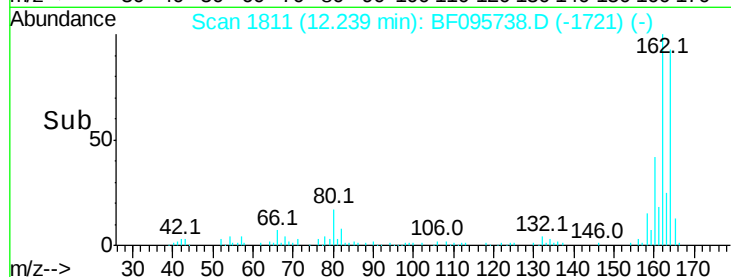
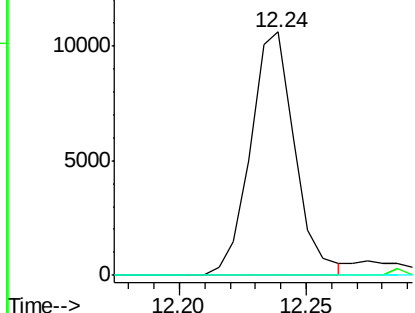
#50
2,6-Dinitrotoluene
Concen: 8.34 ng
RT: 12.24 min Scan# 1811
Delta R.T. 0.23 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

Tot Ion:165 Resp: 12977
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

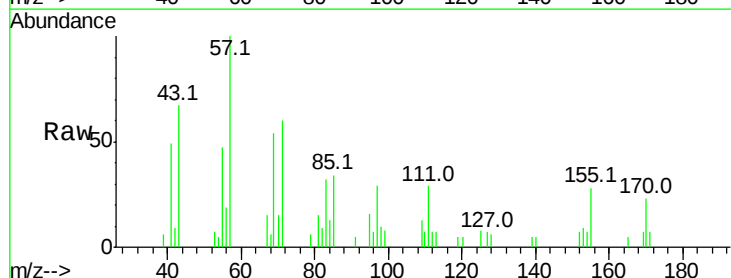


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

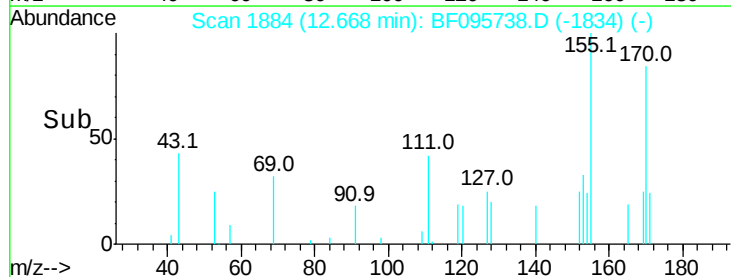
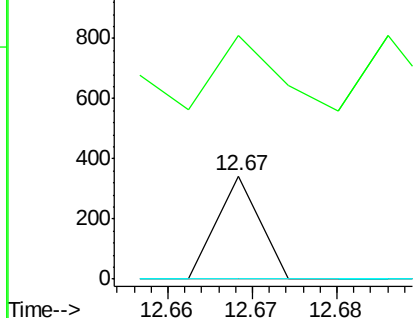


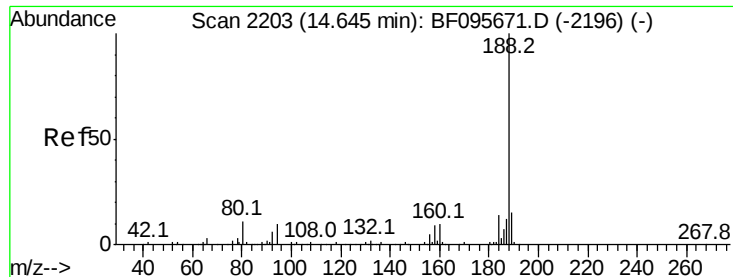
#55
4-Nitrophenol
Concen: 4.73 ng
RT: 12.67 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion:139 Resp: 121
Ion Ratio Lower Upper
139 100
109 235.5 34.1 74.1#
65 0.0 31.4 71.4#



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

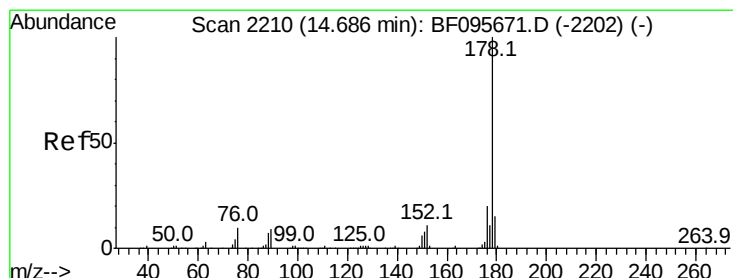
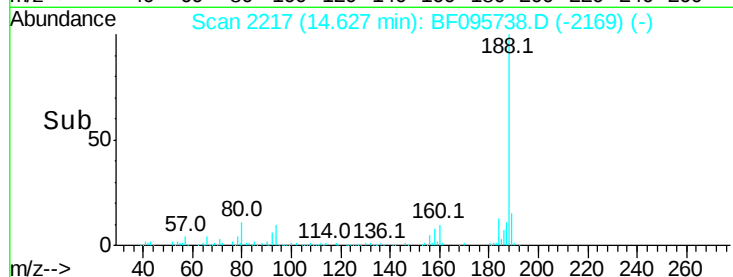
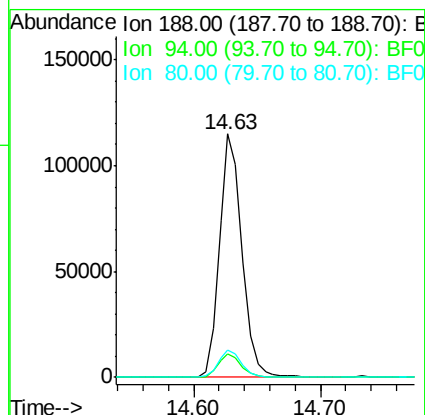
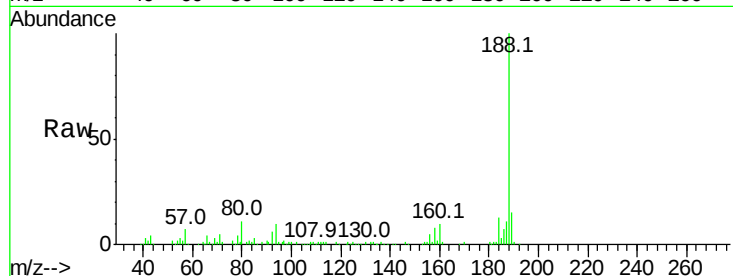




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

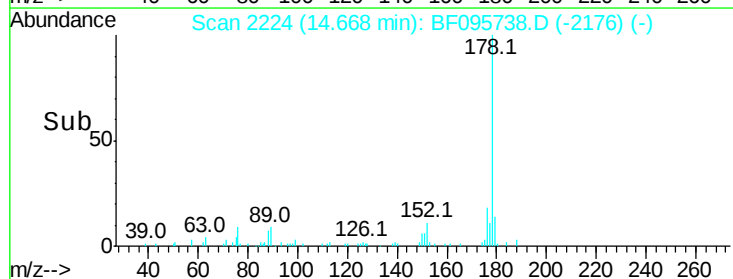
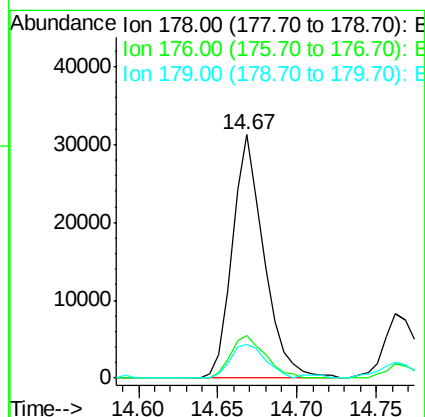
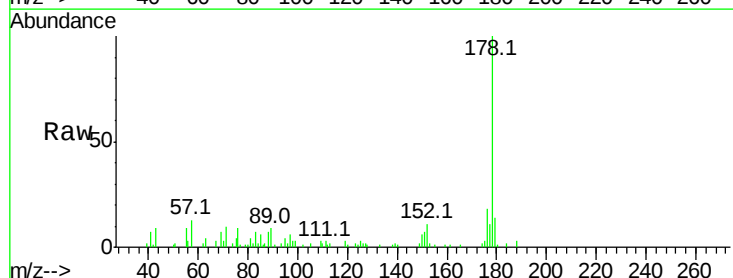
Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

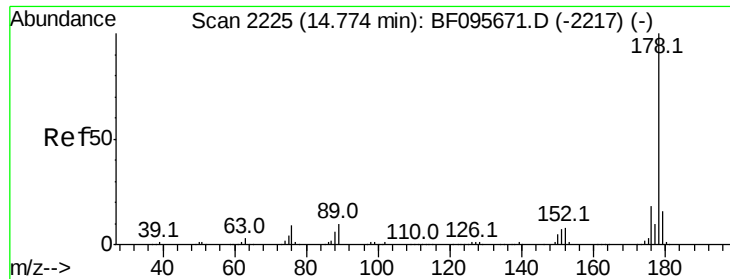
Tot Ion:188 Resp: 142576
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 11.1 10.2 15.2



#70
Phenanthrene
Concen: 5.25 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion:178 Resp: 43168
Ion Ratio Lower Upper
178 100
176 17.6 16.2 24.4
179 13.8 12.6 19.0

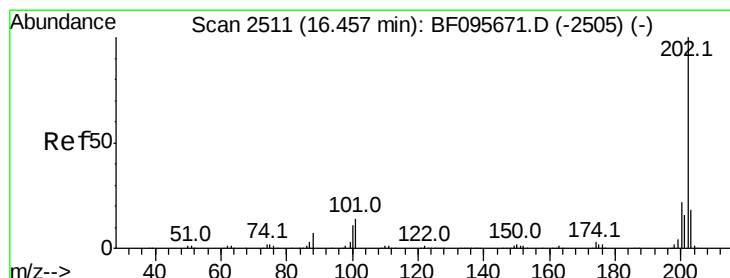
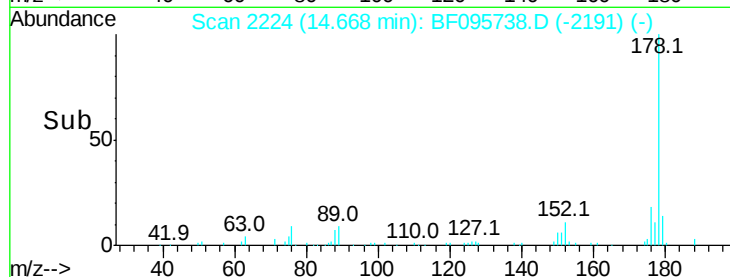
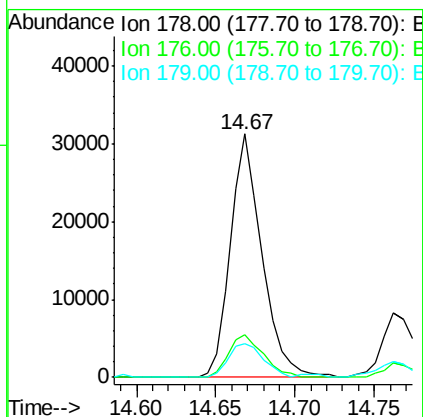
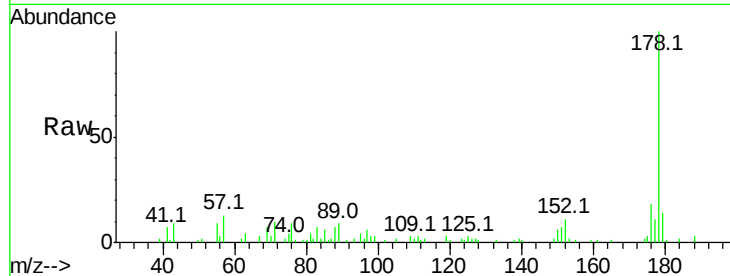




#71
 Anthracene
 Concen: 5.03 ng
 RT: 14.67 min Scan# 2224
 Delta R.T. -0.11 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

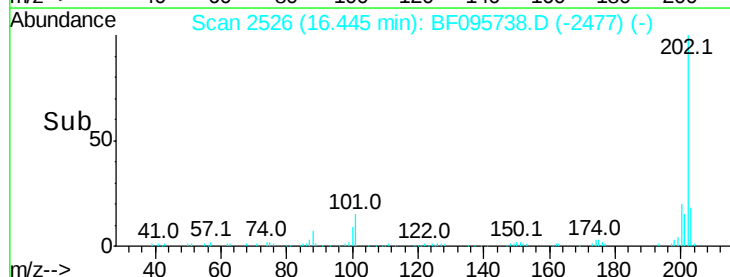
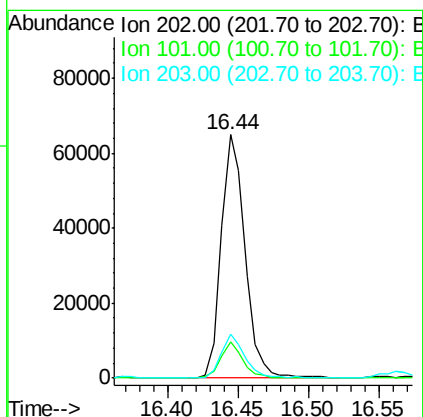
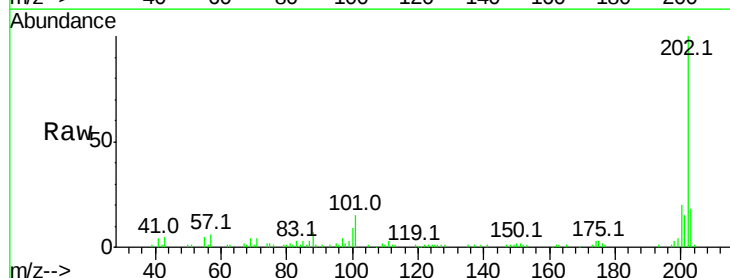
Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

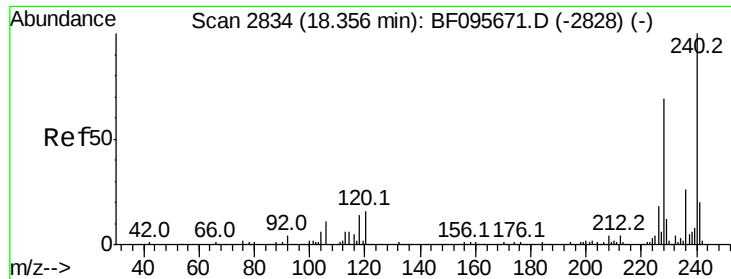
Tot Ion:178 Resp: 43168
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.8 23.8
 179 13.8 12.7 19.1



#74
 Fluoranthene
 Concen: 9.38 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion:202 Resp: 76377
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 33.2
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Instrument :

BNA_F

ClientSampleId :

E2-S8-BASE

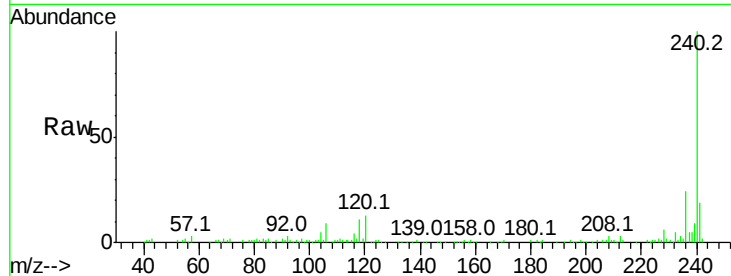
Tot Ion:240 Resp: 127075

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

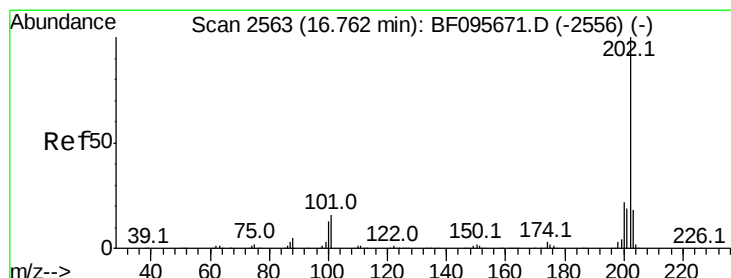
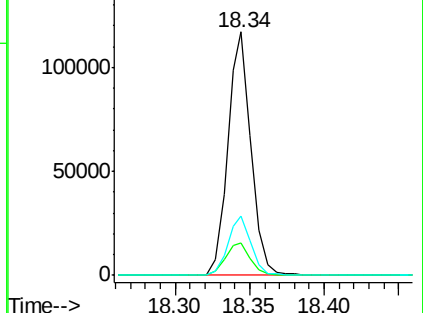
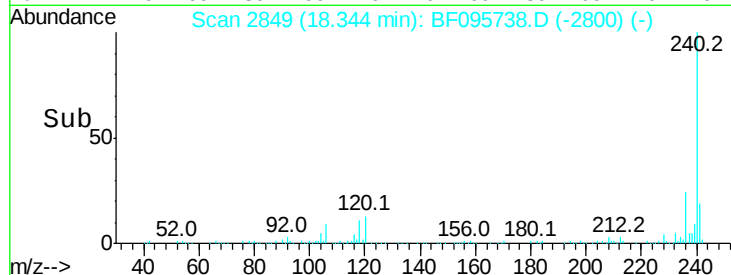
236 24.1 20.5 30.7



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: 7.61 ng

RT: 16.75 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

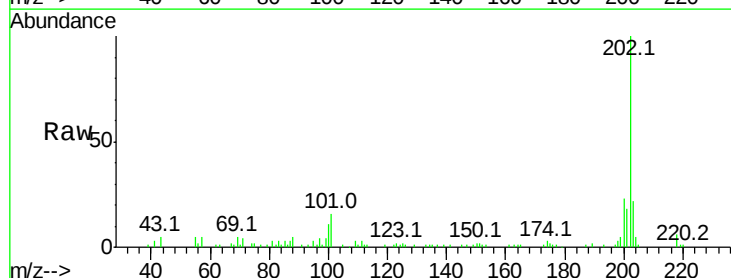
Tgt Ion:202 Resp: 72198

Ion Ratio Lower Upper

202 100

200 23.3 17.6 26.4

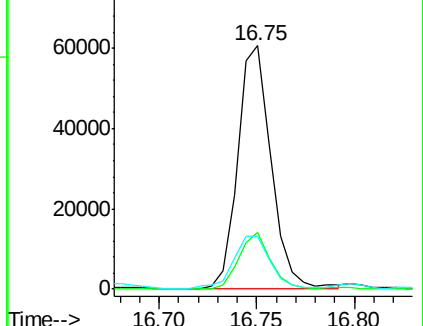
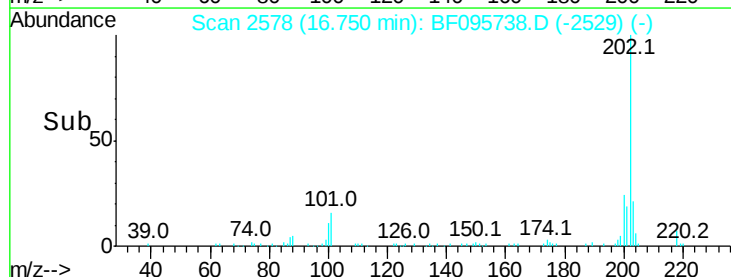
203 21.6 14.4 21.6#

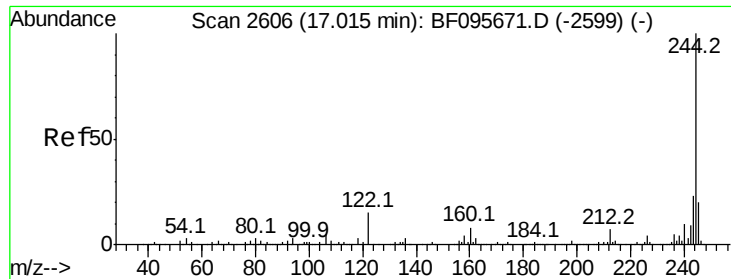


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

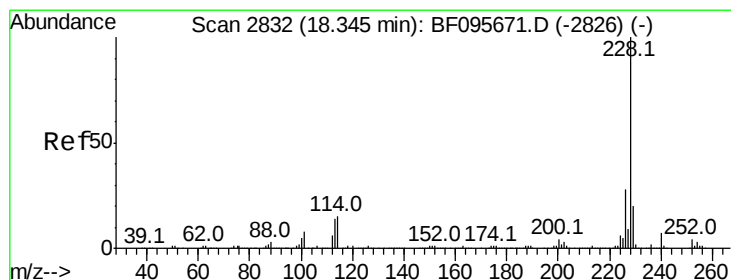
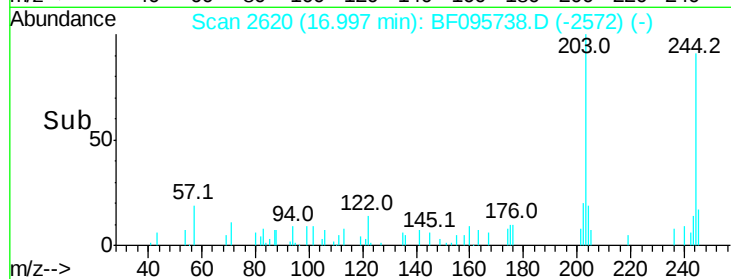
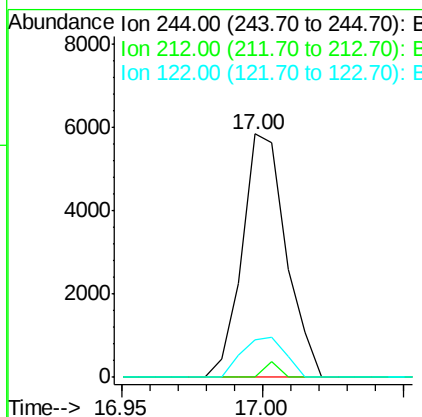
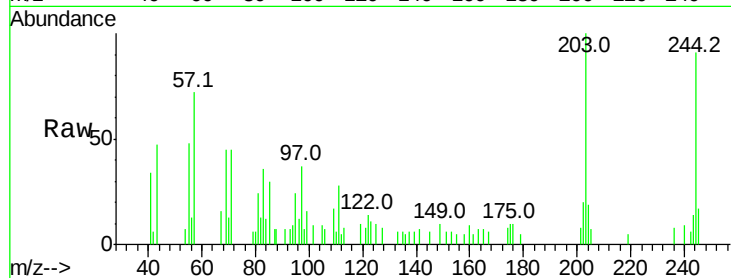




#78
 Terphenyl-d14
 Concen: 1.23 ng
 RT: 17.00 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

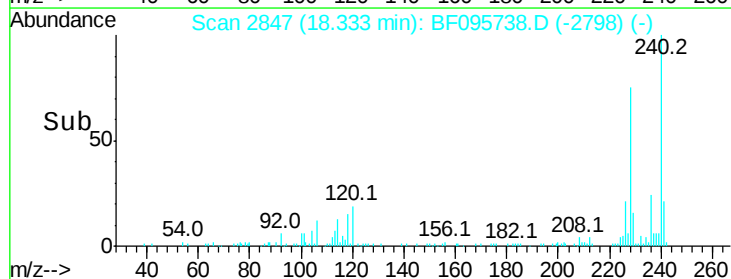
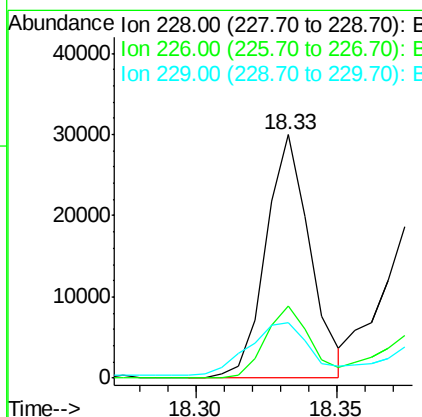
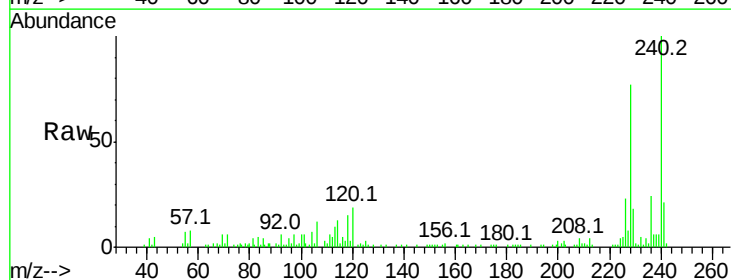
Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

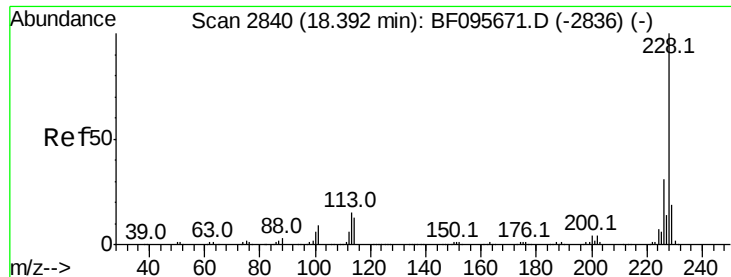
Tot Ion:244 Resp: 6293
 Ion Ratio Lower Upper
 244 100
 212 0.0 6.0 9.0#
 122 15.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.39 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion:228 Resp: 32463
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 22.7 16.3 24.5





#82

Chrysene

Concen: 4.26 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Instrument :

BNA_F

ClientSampleId :

E2-S8-BASE

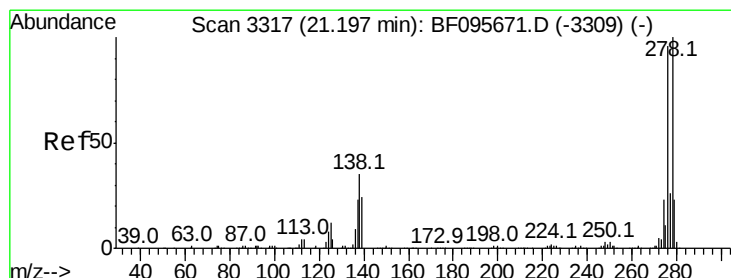
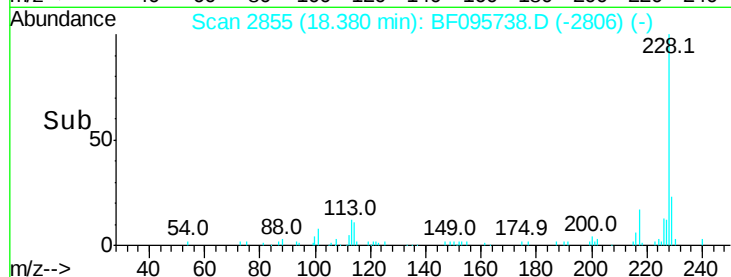
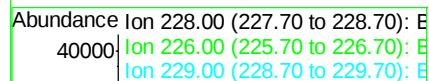
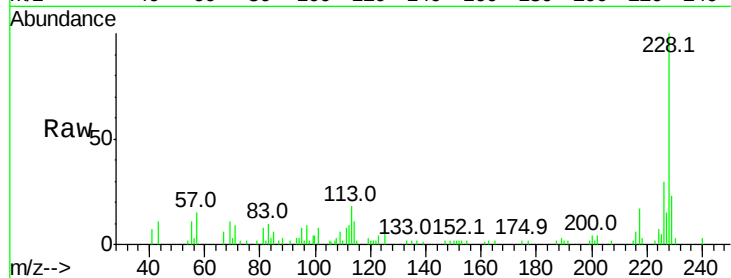
Tot Ion:228 Resp: 31472

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

229 22.7 15.8 23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.86 ng

RT: 21.20 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

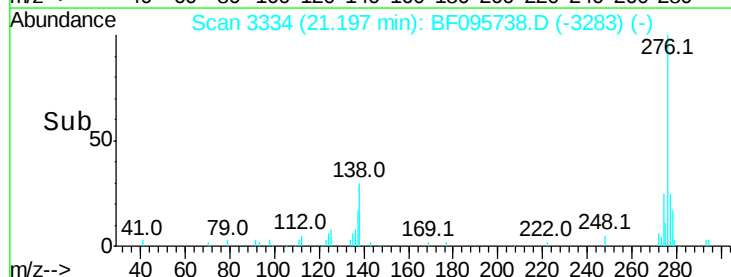
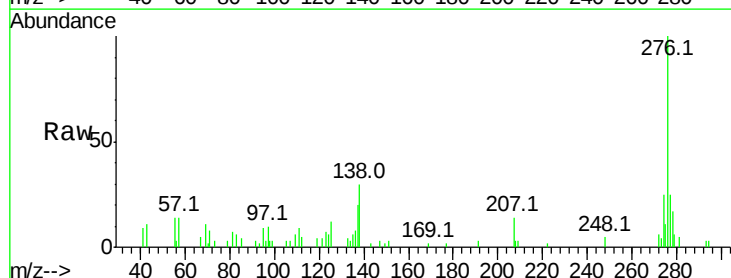
Tgt Ion:276 Resp: 24409

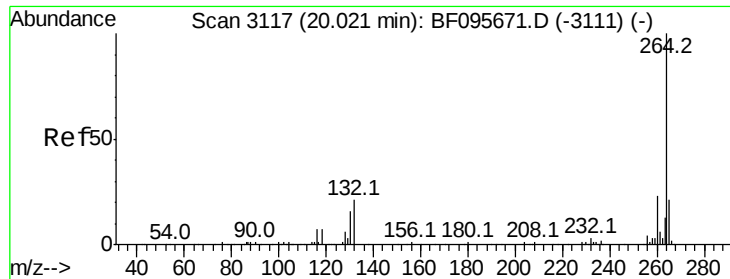
Ion Ratio Lower Upper

276 100

138 33.1 27.8 41.6

277 26.4 20.2 30.4

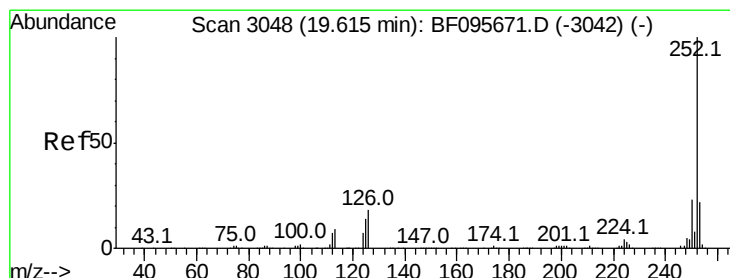
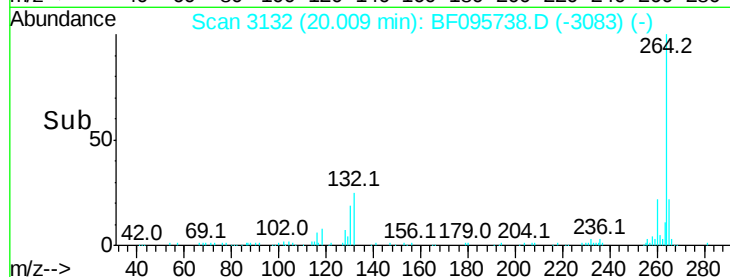
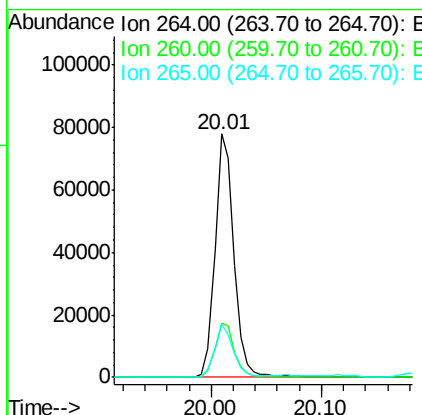
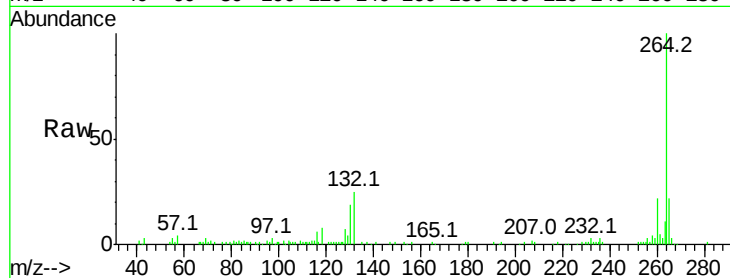




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

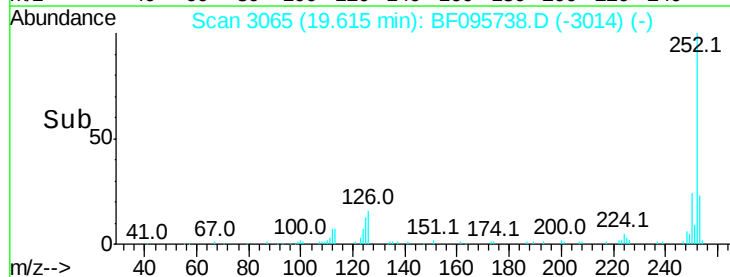
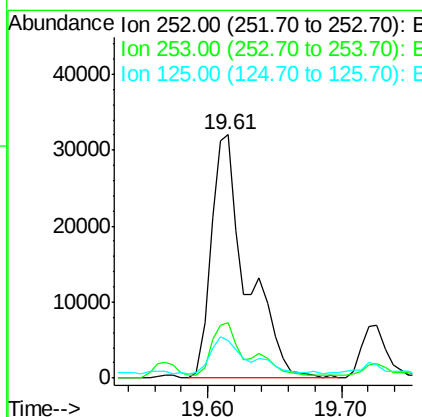
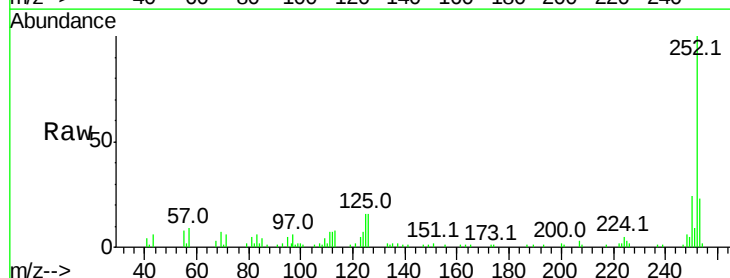
Instrument :
BNA_F
ClientSampleId :
E2-S8-BASE

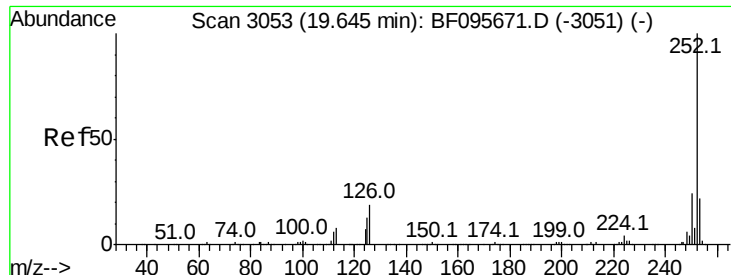
Tot Ion:264 Resp: 91341
Ion Ratio Lower Upper
264 100
260 22.4 19.5 29.3
265 21.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.37 ng
RT: 19.61 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095738.D
Acq: 7 Jun 2017 9:21

Tgt Ion:252 Resp: 59309
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 15.6 9.8 14.8#

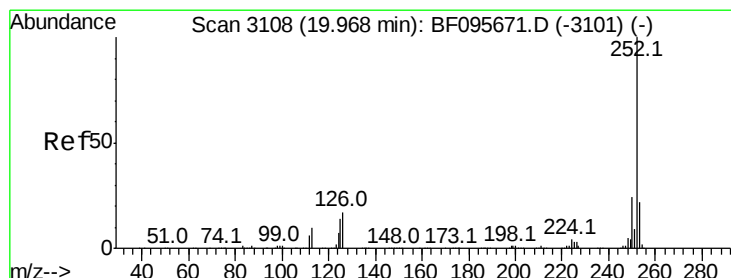
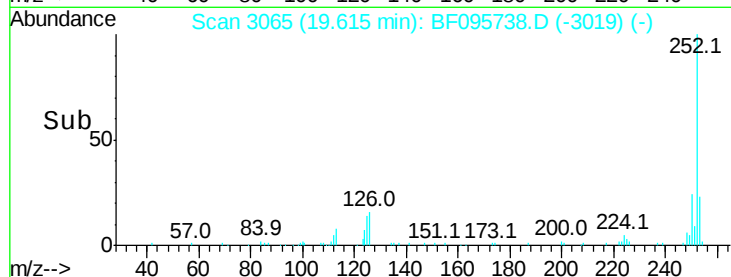
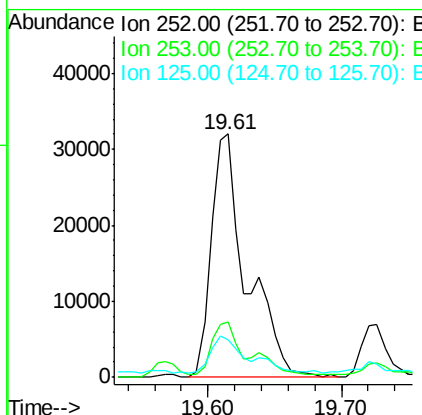
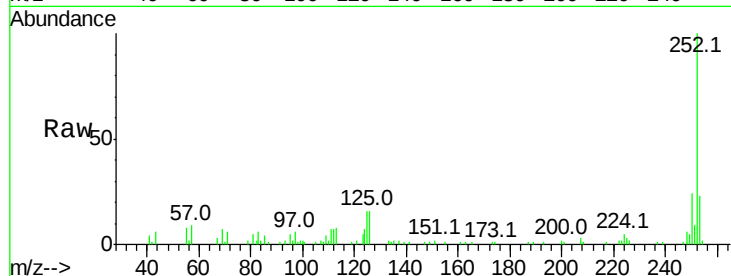




#88
 Benzo(k)fluoranthene
 Concen: 10.85 ng
 RT: 19.61 min Scan# 3065
 Delta R.T. -0.03 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

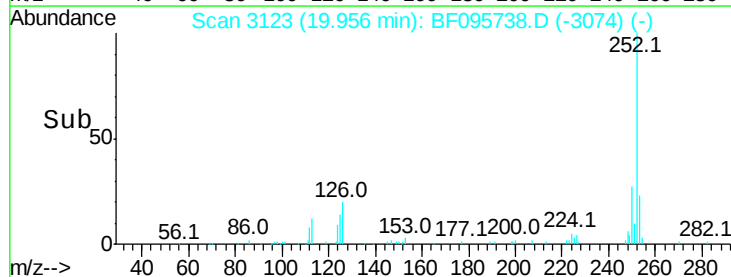
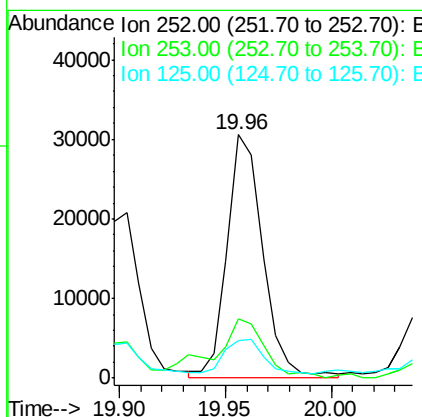
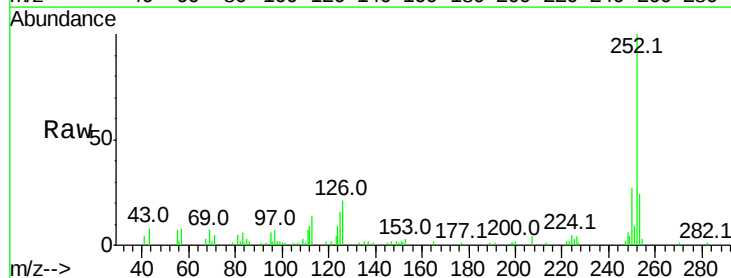
Instrument :
 BNA_F
 ClientSampleId :
 E2-S8-BASE

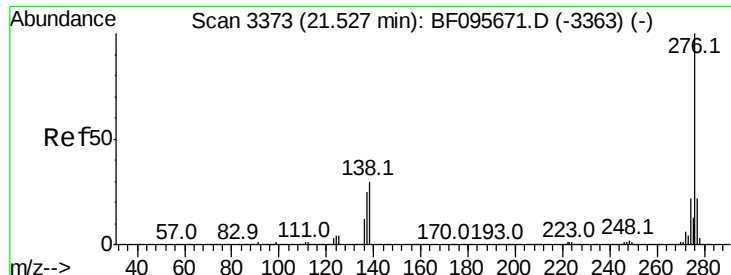
Tot Ion:252 Resp: 59309
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.4 27.6
 125 15.6 13.1 19.7



#89
 Benzo(a)pyrene
 Concen: 6.84 ng
 RT: 19.96 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF095738.D
 Acq: 7 Jun 2017 9:21

Tgt Ion:252 Resp: 35936
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.5 26.3
 125 15.6 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 6.05 ng

RT: 21.53 min Scan# 3390

Delta R.T. -0.00 min

Lab File: BF095738.D

Acq: 7 Jun 2017 9:21

Instrument :

BNA_F

ClientSampleId :

E2-S8-BASE

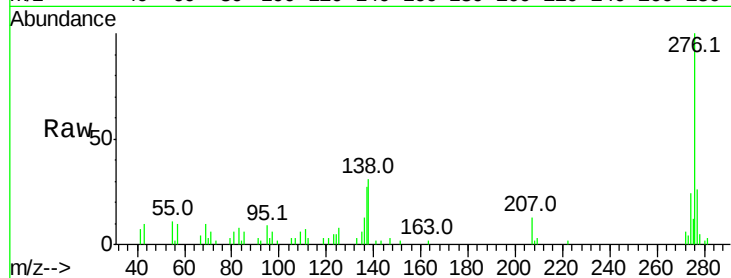
Tot Ion: 276 Resp: 27505

Ion Ratio Lower Upper

276 100

277 26.3 18.6 28.0

138 31.5 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

