

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095726.D
 Acq On : 7 Jun 2017 00:16
 Operator : SJ/MA
 Sample : I3482-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 02:49:45 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	79265	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	304343	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	122311	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	180561	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	145931	20.00	ng	-0.01
86) Perylene-d12	20.02	264	105927	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	468791	94.24	ng	-0.02
7) Phenol-d6	6.94	99	572223	96.09	ng	-0.02
23) Nitrobenzene-d5	8.30	82	318917	65.08	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	91025	84.11	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	589589	67.08	ng	-0.02
78) Terphenyl-d14	17.00	244	357869	60.86	ng	-0.01

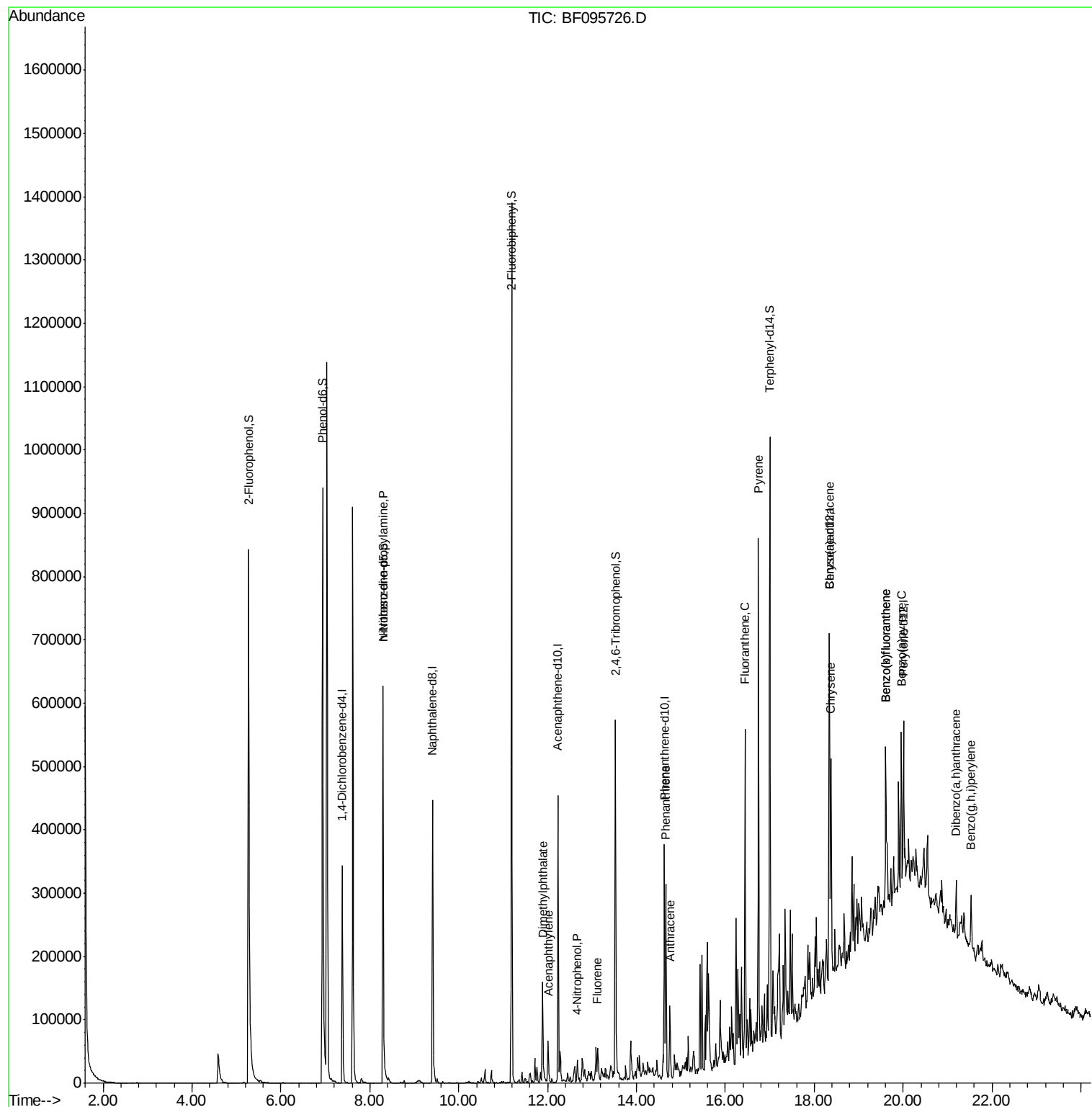
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	39512	10.47	ng	# 75
48) Acenaphthylene	12.01	152	46592	3.46	ng	97
49) Dimethylphthalate	11.89	163	85337	9.19	ng	97
55) 4-Nitrophenol	12.67	139	414	4.91	ng	# 25
57) Fluorene	13.13	166	19260	2.02	ng	# 88
70) Phenanthrene	14.66	178	160569	15.41	ng	97
71) Anthracene	14.75	178	67256	6.18	ng	98
74) Fluoranthene	16.44	202	261495	25.36	ng	98
77) Pyrene	16.74	202	361801	33.23	ng	97
80) Benzo(a)anthracene	18.33	228	166692	19.65	ng	93
82) Chrysene	18.38	228	171285	20.20	ng	96
87) Benzo(b)fluoranthene	19.61	252	177403	26.75	ng	# 94
88) Benzo(k)fluoranthene	19.61	252	177403	27.98	ng	98
89) Benzo(a)pyrene	19.96	252	108796	17.85	ng	# 94
90) Dibenzo(a,h)anthracene	21.19	278	16205	3.13	ng	# 70
91) Benzo(g,h,i)perylene	21.53	276	50661	9.61	ng	95

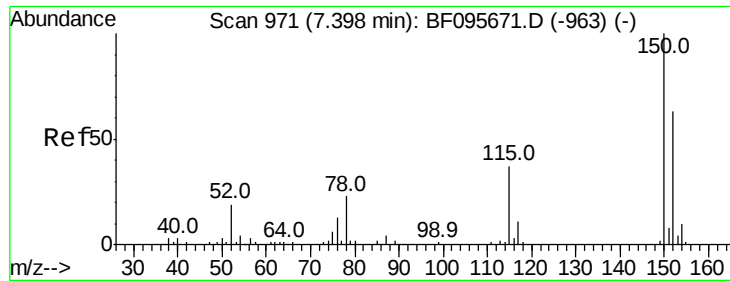
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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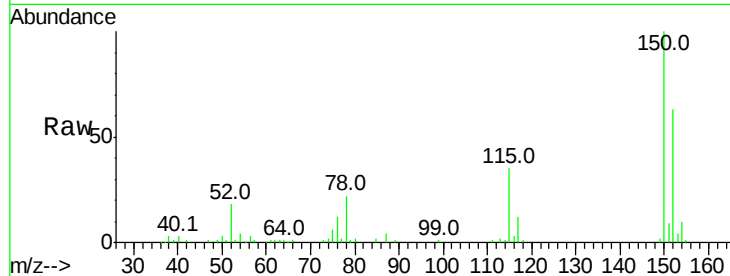


#1

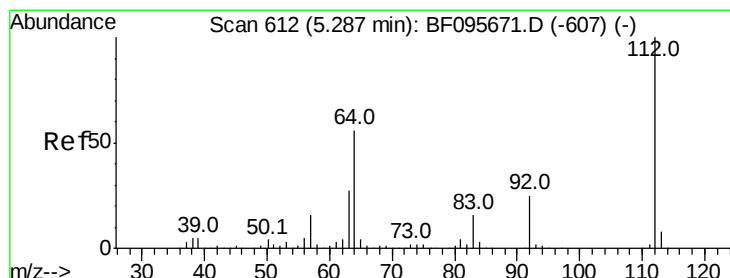
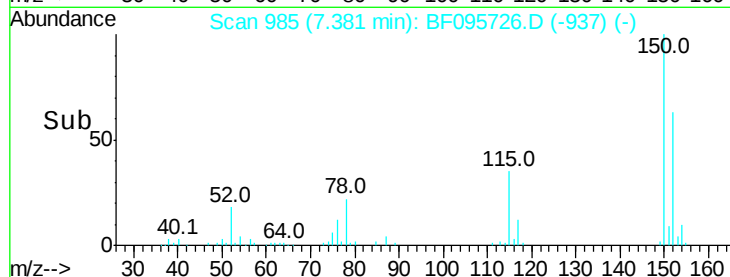
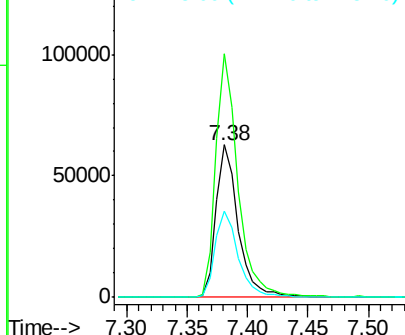
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 79265
Ion Ratio Lower Upper
152 100
150 159.9 126.2 189.2
115 56.7 52.2 78.2



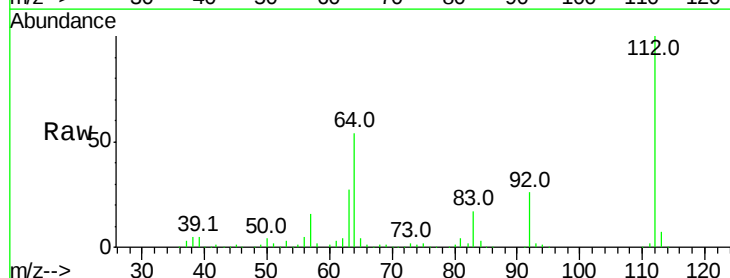
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



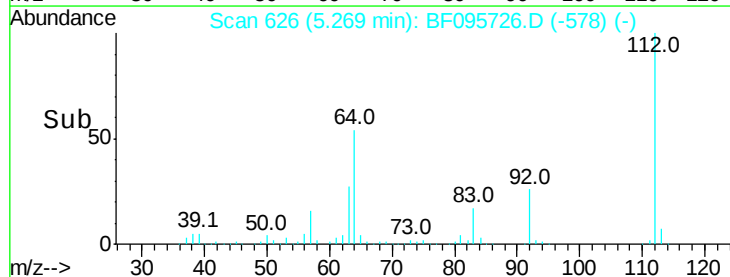
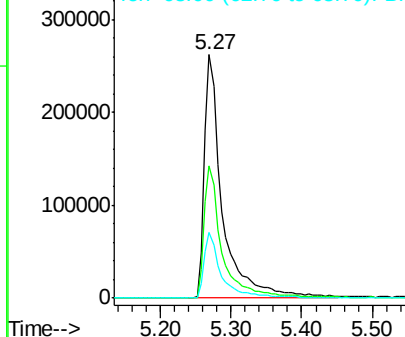
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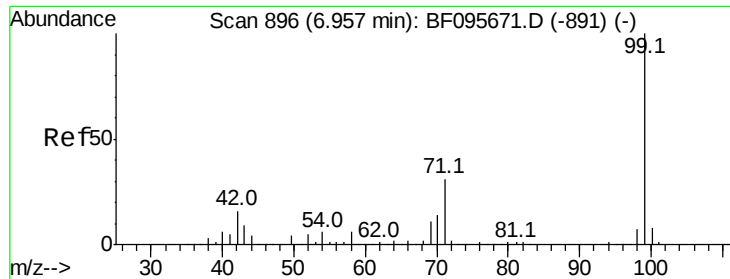
2-Fluorophenol
Concen: 94.24 ng
RT: 5.27 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion:112 Resp: 468791
Ion Ratio Lower Upper
112 100
64 54.4 46.0 69.0
63 26.8 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: 96.09 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Instrument :

BNA_F

ClientSampled :

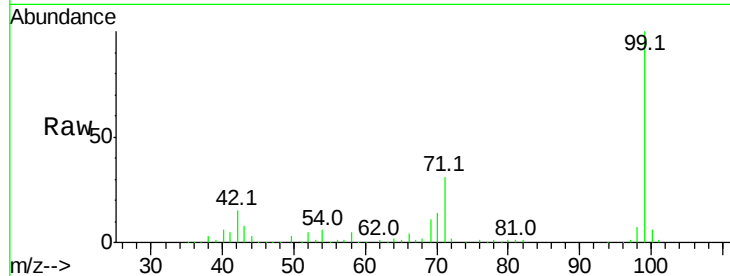
Tot Ion: 99 Resp: 572223

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

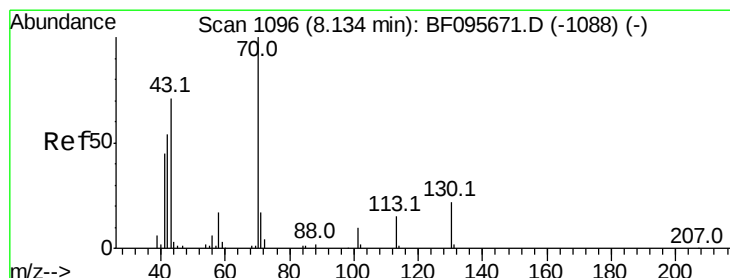
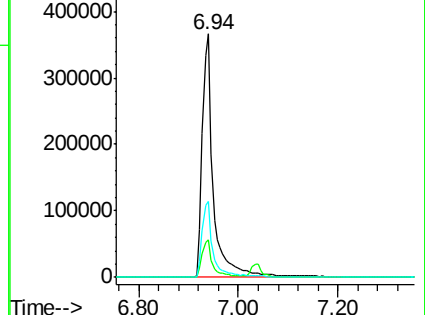
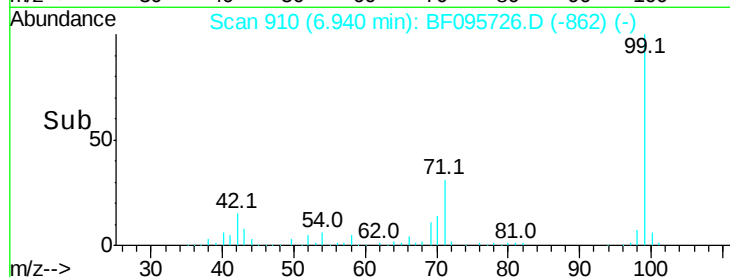
71 31.0 24.5 36.7



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: 10.47 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Tgt Ion: 70 Resp: 39512

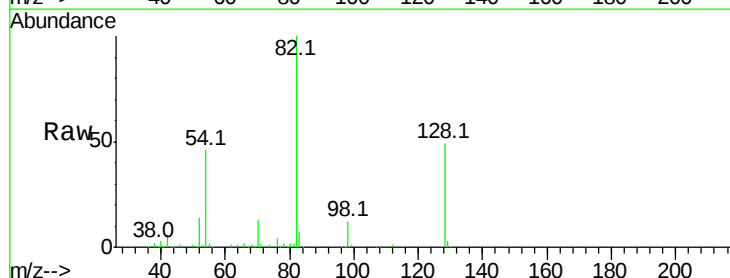
Ion Ratio Lower Upper

70 100

42 44.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

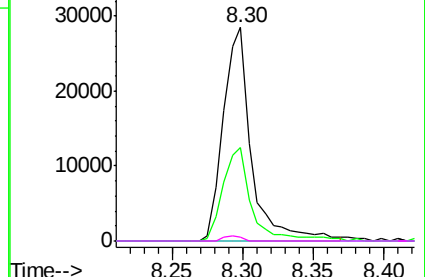
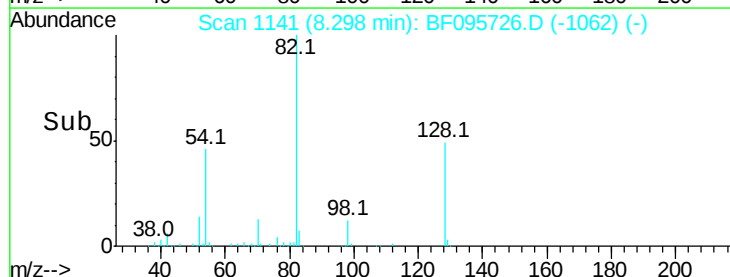


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.41 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Instrument :

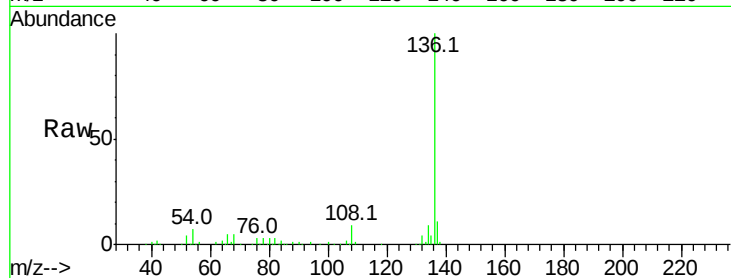
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 304343

Ion Ratio Lower Upper

136	100		
137	11.0	8.5	12.7
54	7.5	4.9	7.3#
68	5.4	4.1	6.1

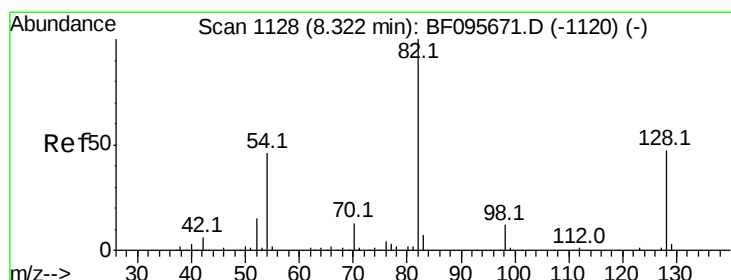
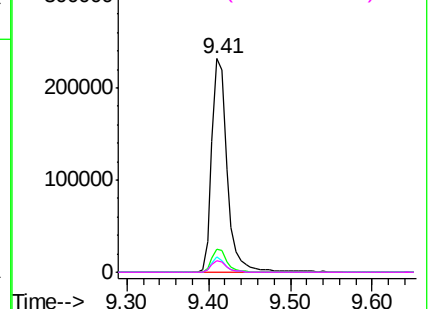
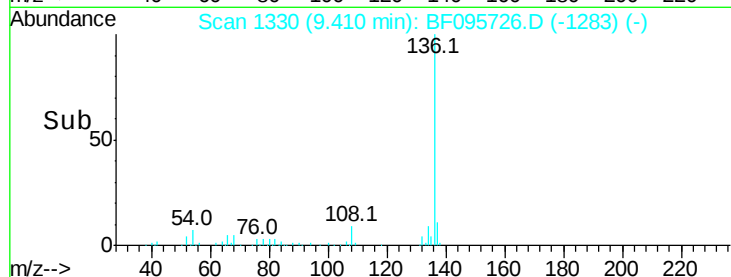


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.08 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

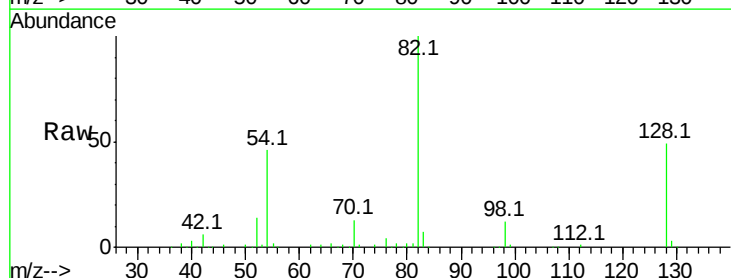
Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Tgt Ion: 82 Resp: 318917

Ion Ratio Lower Upper

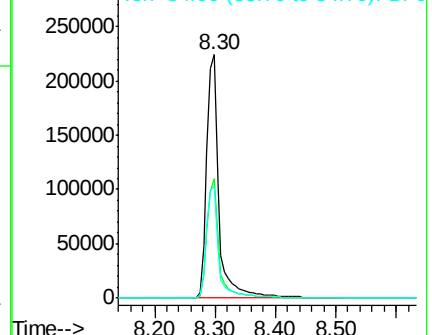
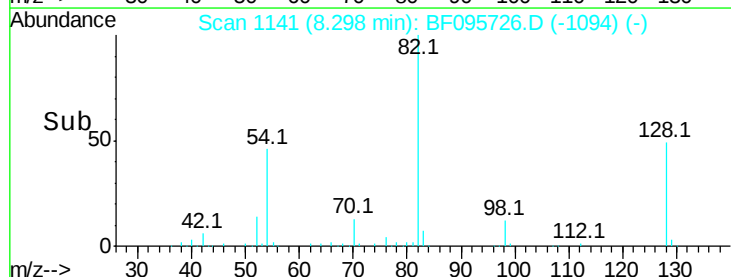
82	100		
128	48.8	34.0	51.0
54	45.9	42.2	63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

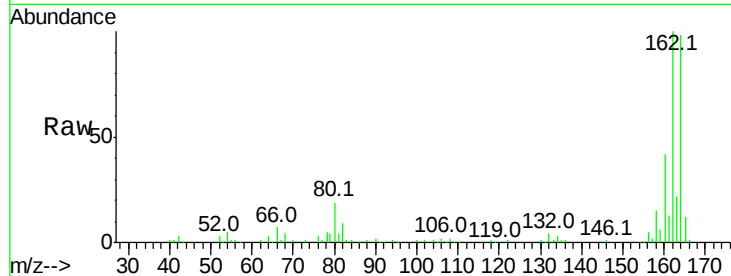




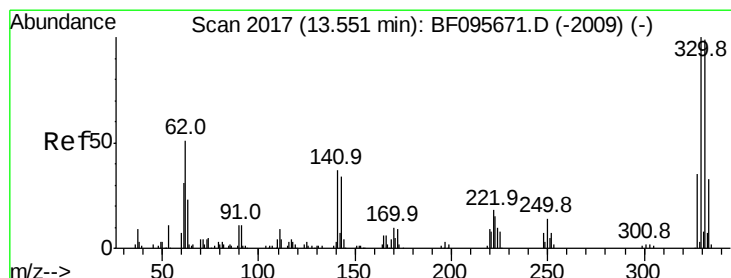
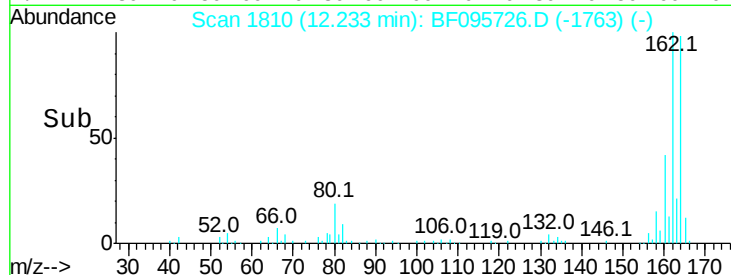
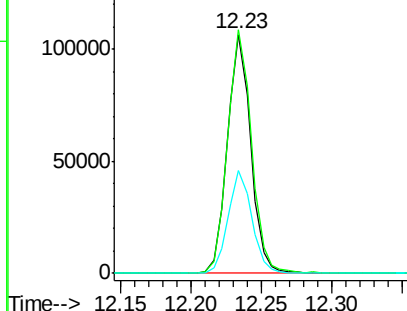
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	123.8
160	43.3	36.2	54.2

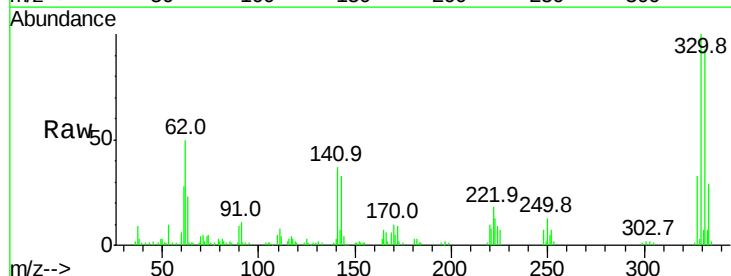


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

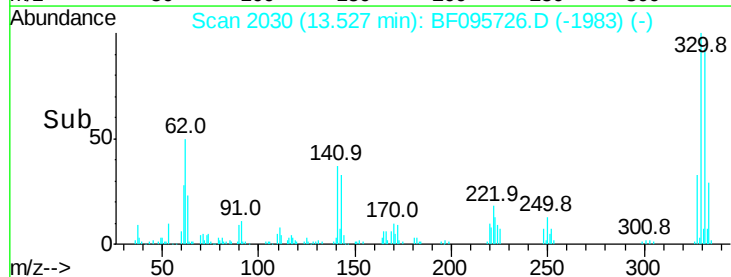
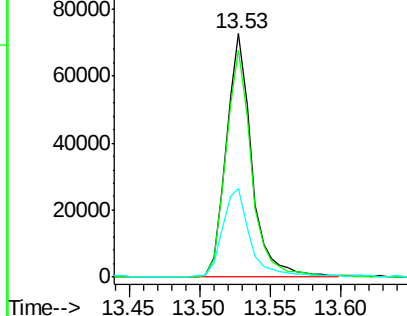


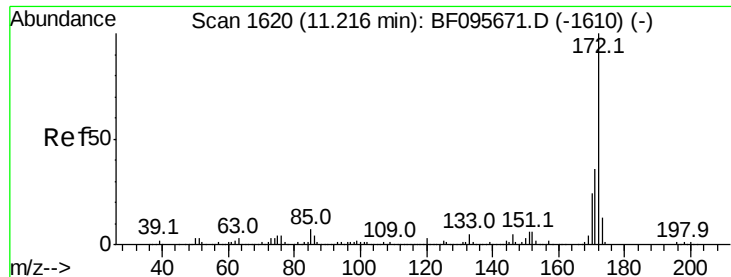
#41
2,4,6-Tribromophenol
Concen: 84.11 ng
RT: 13.53 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	39.5	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

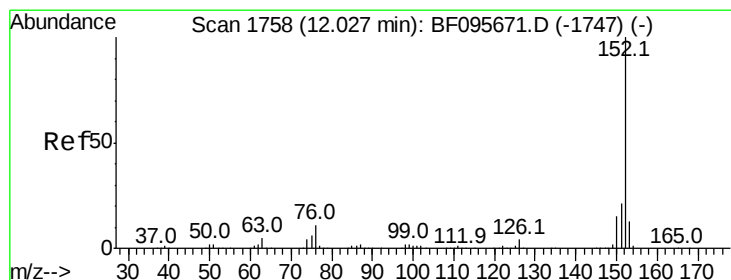
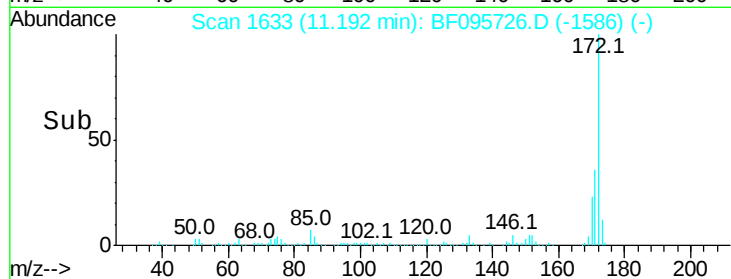
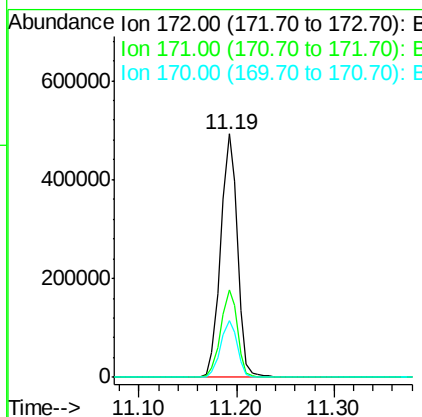
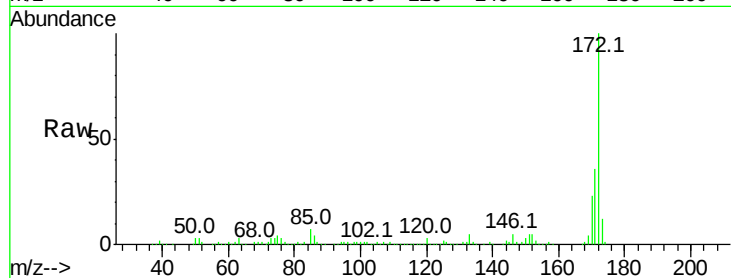




#44
2-Fluorobiphenyl
Concen: 67.08 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

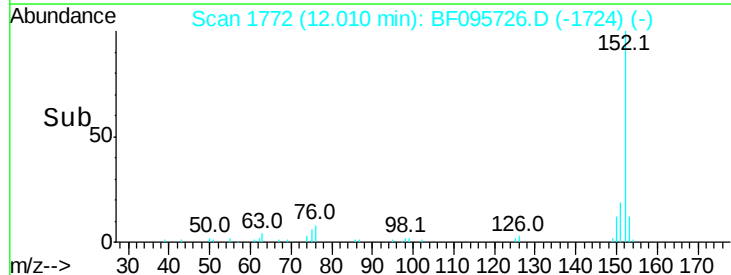
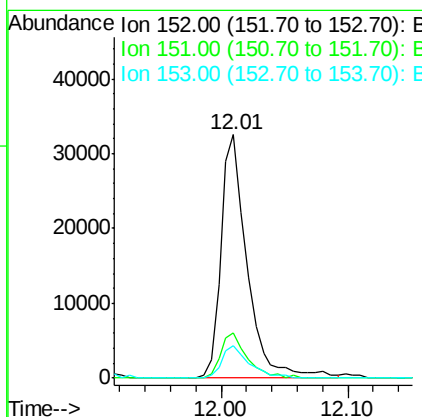
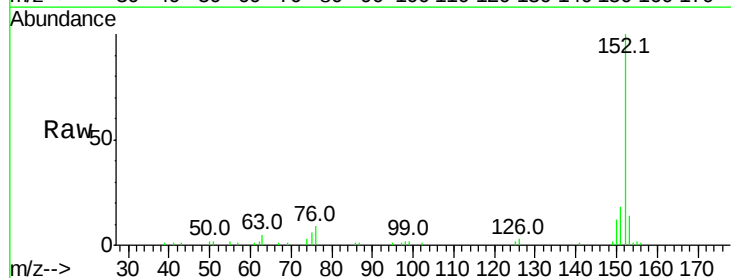
Instrument :
BNA_F
ClientSampleId :

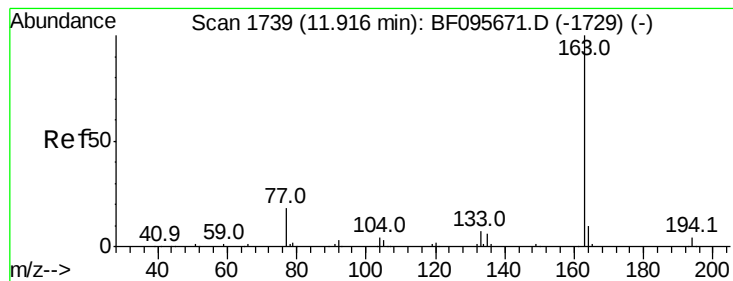
Tot Ion:172 Resp: 589589
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.3 19.8 29.8



#48
Acenaphthylene
Concen: 3.46 ng
RT: 12.01 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion:152 Resp: 46592
Ion Ratio Lower Upper
152 100
151 18.4 16.8 25.2
153 13.5 10.8 16.2





#49

Dimethylphthalate

Concen: 9.19 ng

RT: 11.89 min Scan# 1751

Delta R.T. -0.03 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Instrument :

BNA_F

ClientSampled :

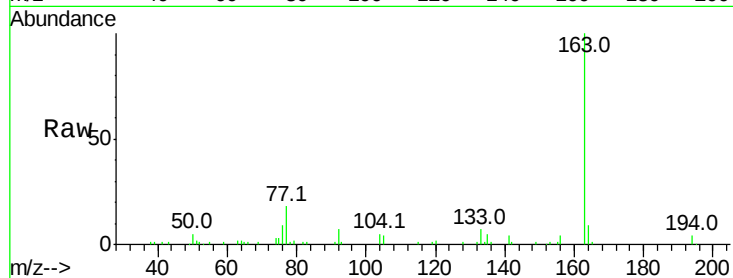
Tot Ion:163 Resp: 85337

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

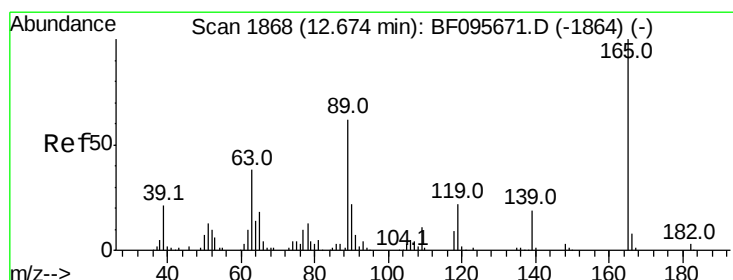
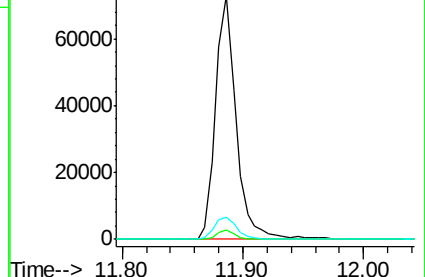
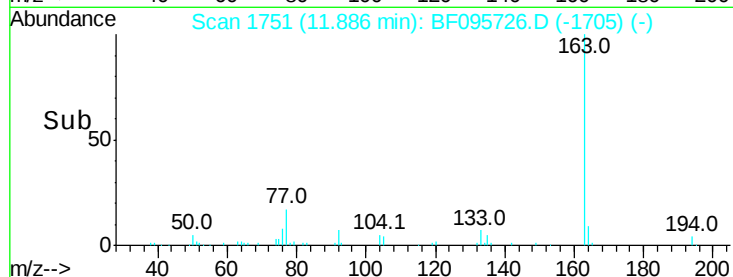
164 9.0 8.4 12.6



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



#55

4-Nitrophenol

Concen: 4.91 ng

RT: 12.67 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

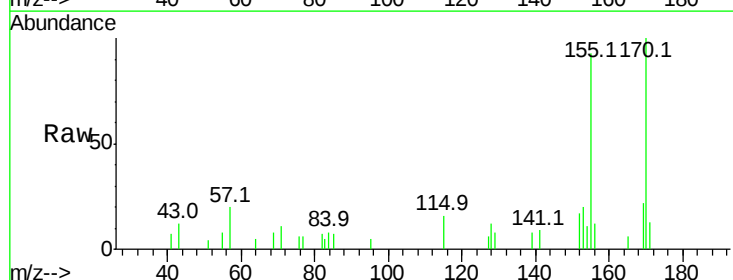
Tgt Ion:139 Resp: 414

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

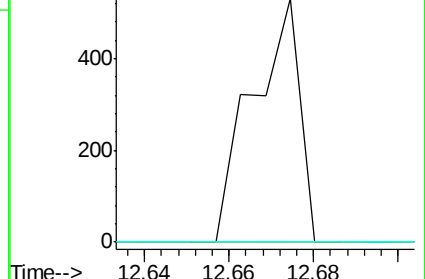
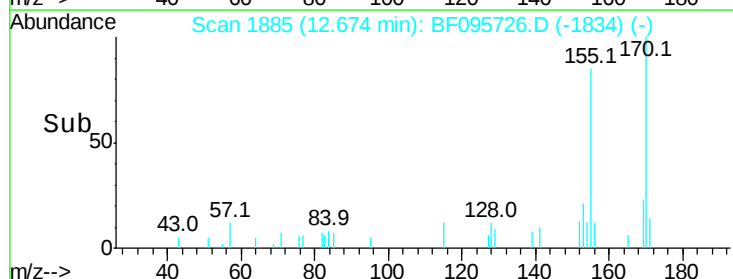
65 0.0 31.4 71.4#

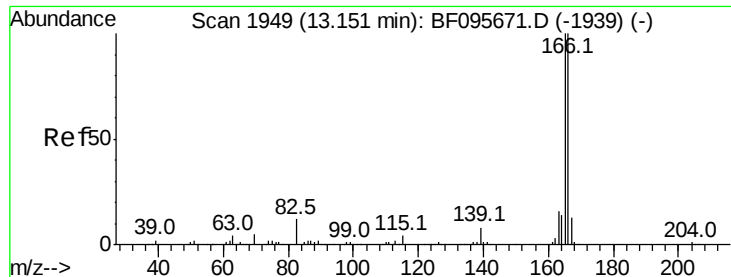


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

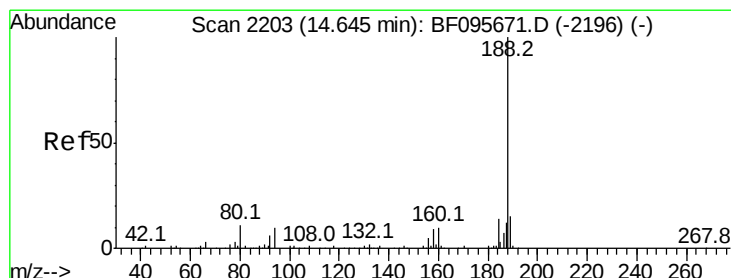
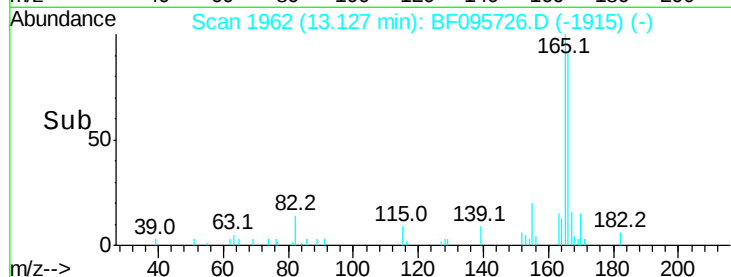
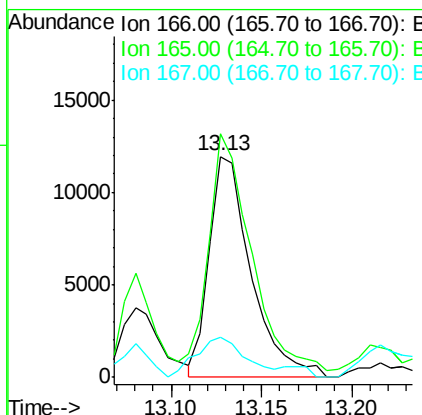
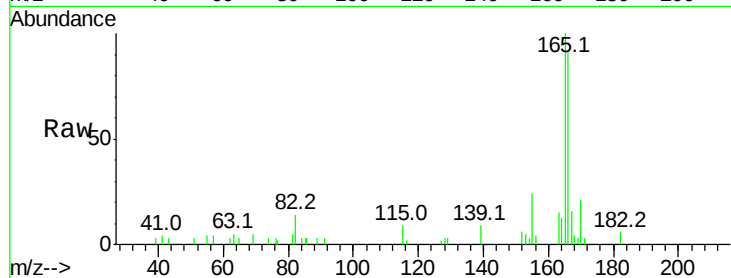




#57
Fluorene
Concen: 2.02 ng
RT: 13.13 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

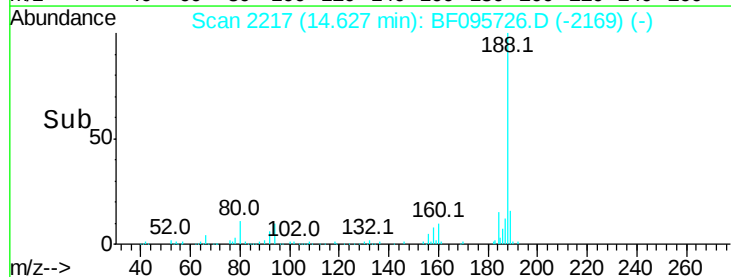
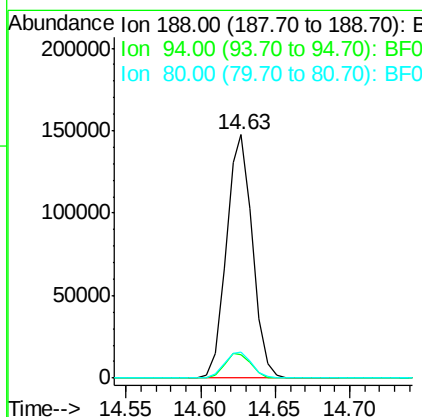
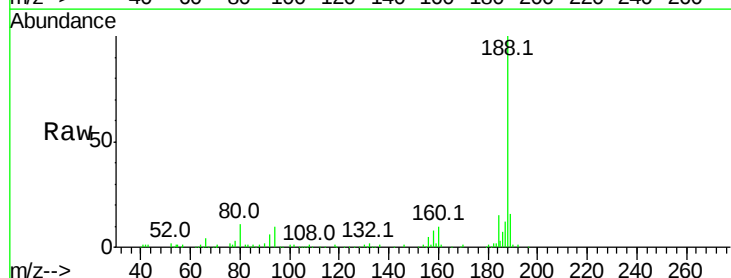
Instrument :
BNA_F
ClientSampleId :

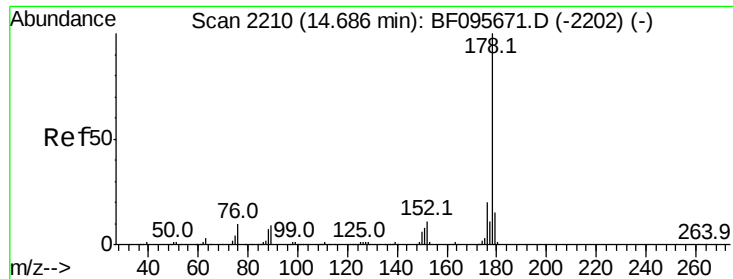
Tot Ion:166 Resp: 19260
Ion Ratio Lower Upper
166 100
165 110.2 78.8 118.2
167 18.1 10.6 16.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion:188 Resp: 180561
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.2
80 10.6 10.2 15.2

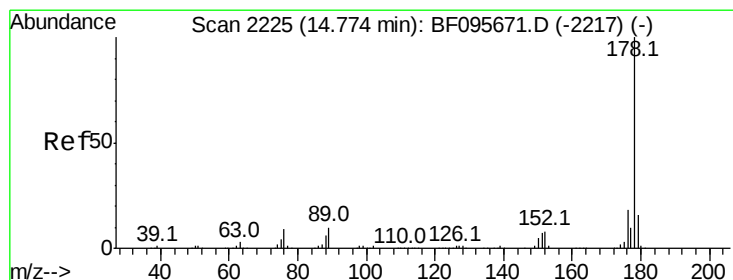
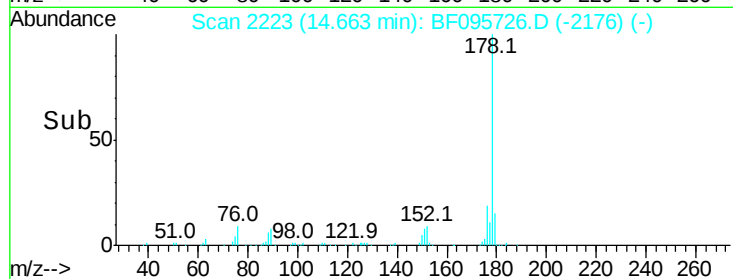
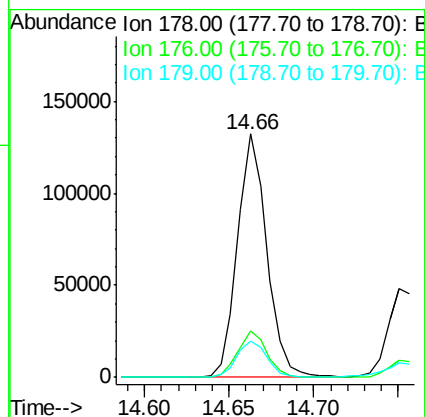
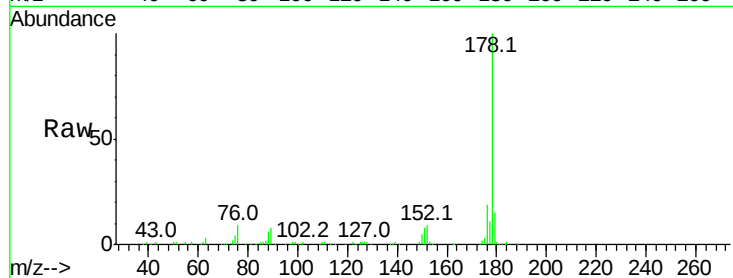




#70
Phenanthrene
Concen: 15.41 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

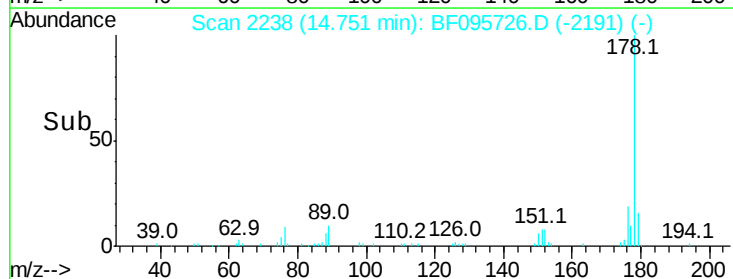
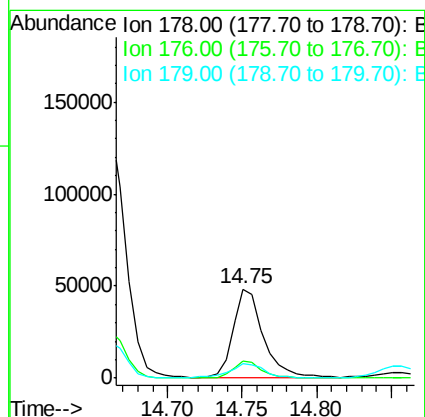
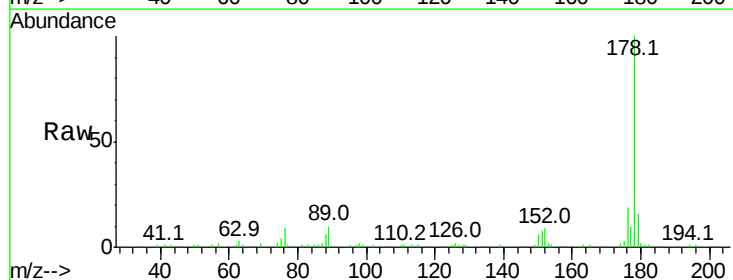
Instrument :
BNA_F
ClientSampleId :

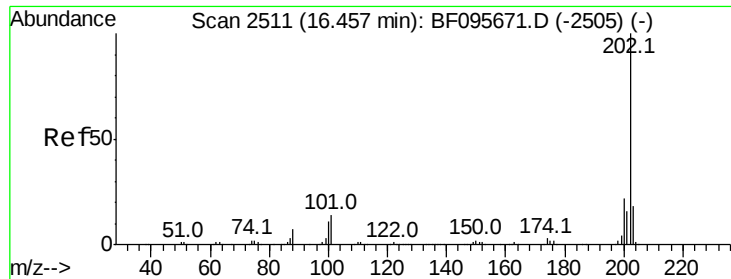
Tot Ion:178 Resp: 160569
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 14.9 12.6 19.0



#71
Anthracene
Concen: 6.18 ng
RT: 14.75 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion:178 Resp: 67256
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 16.4 12.7 19.1





#74

Fluoranthene

Concen: 25.36 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Instrument :

BNA_F

ClientSampleId :

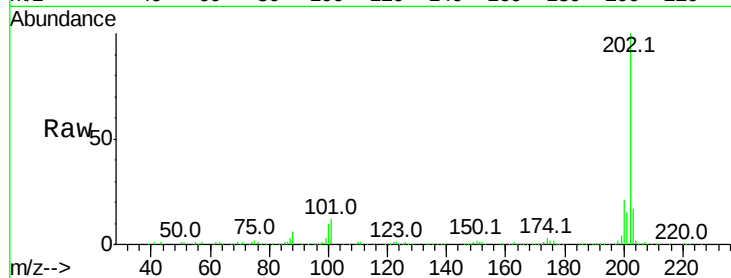
Tot Ion:202 Resp: 261495

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

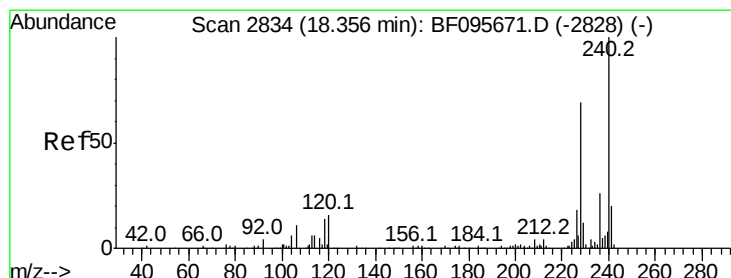
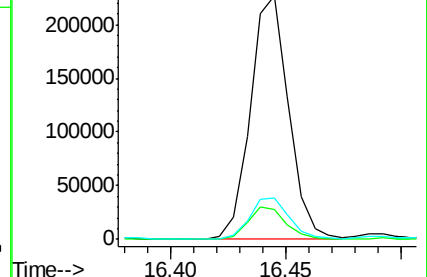
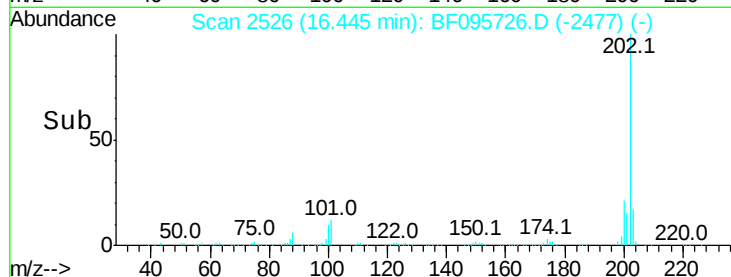
203 17.2 0.0 38.1



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: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

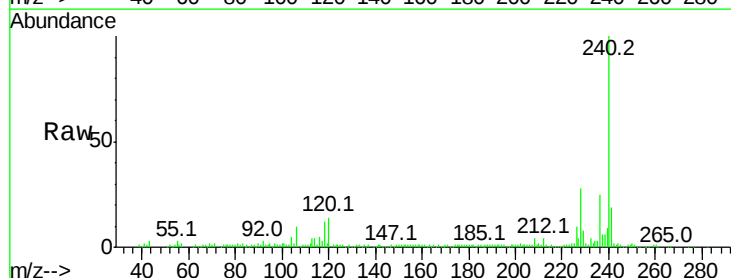
Tgt Ion:240 Resp: 145931

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

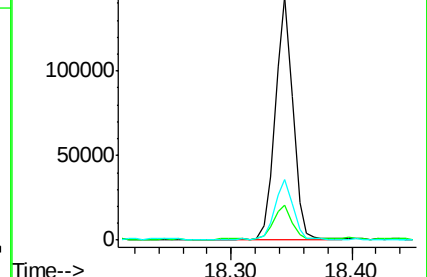
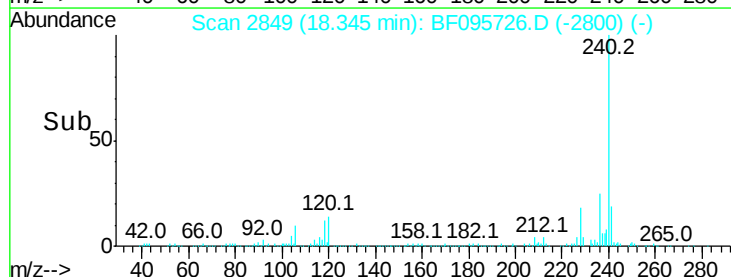
236 25.0 20.5 30.7

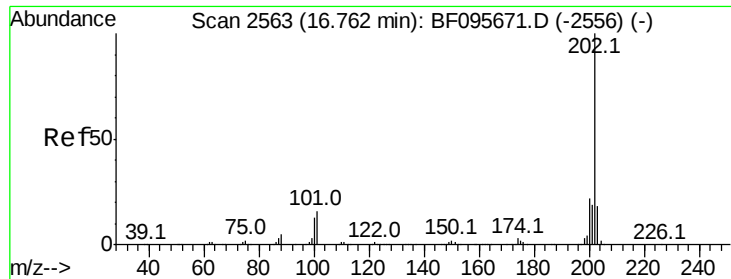


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 33.23 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Instrument :

BNA_F

ClientSampleId :

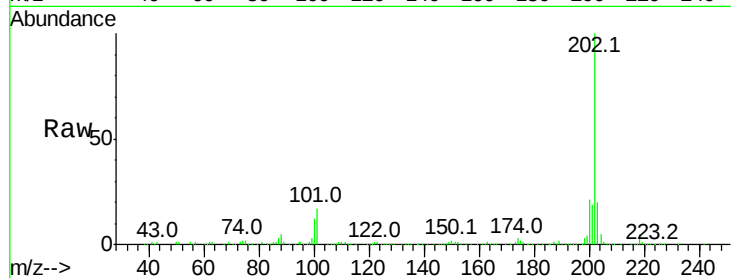
Tot Ion:202 Resp: 361801

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

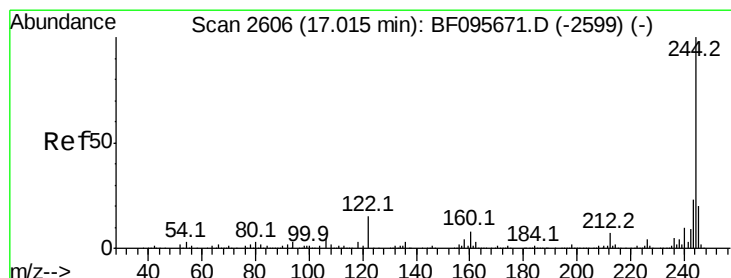
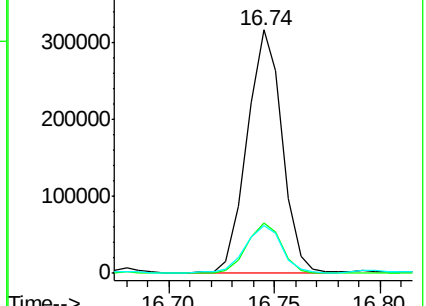
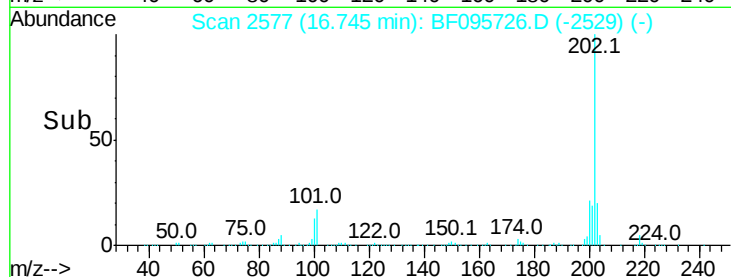
203 19.8 14.4 21.6



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: 60.86 ng

RT: 17.00 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

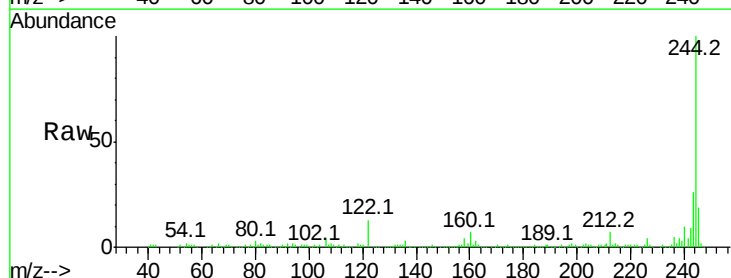
Tgt Ion:244 Resp: 357869

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

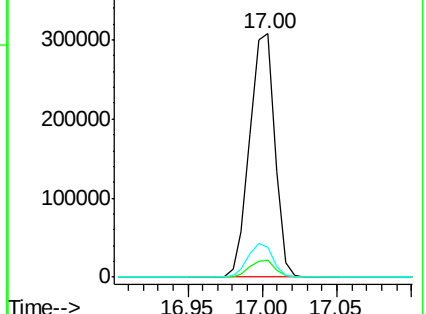
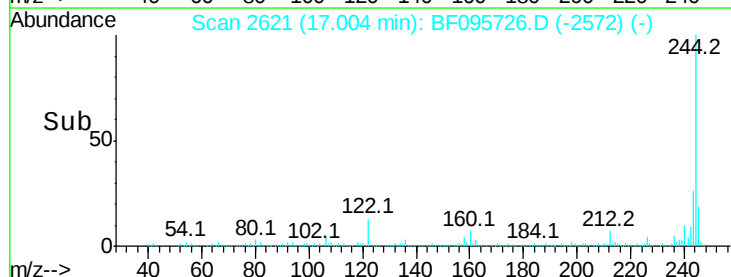
122 12.5 10.3 15.5

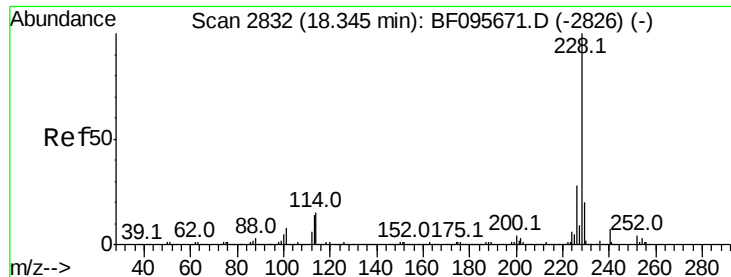


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

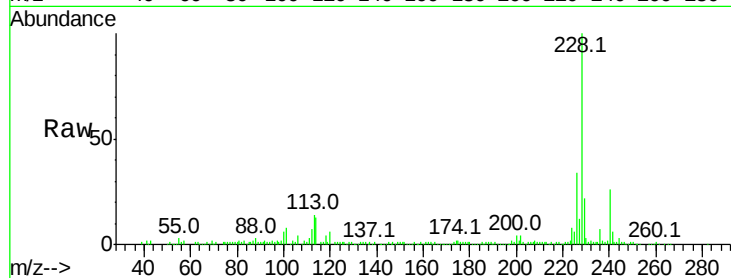




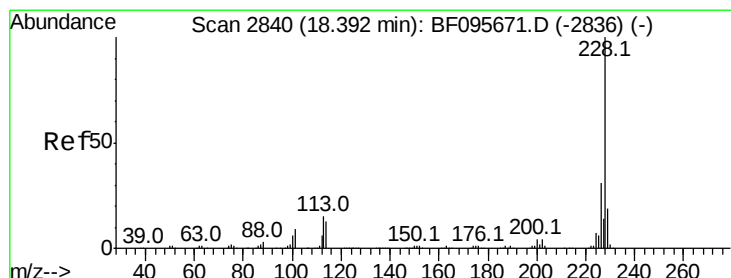
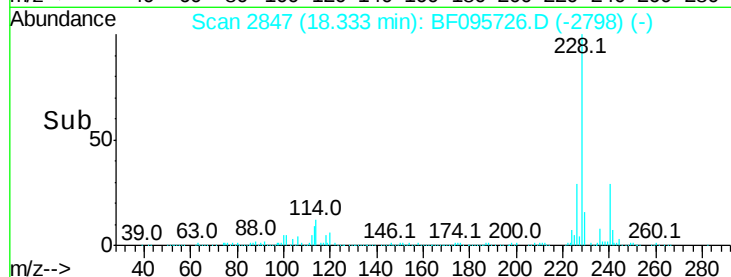
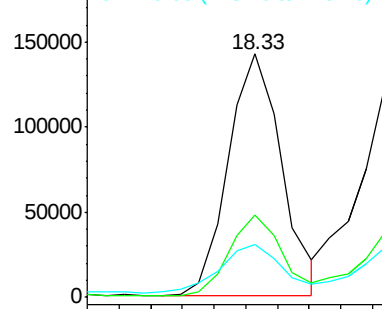
#80
Benzo(a)anthracene
Concen: 19.65 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 166692
Ion Ratio Lower Upper
228 100
226 33.8 22.6 33.8
229 21.8 16.3 24.5

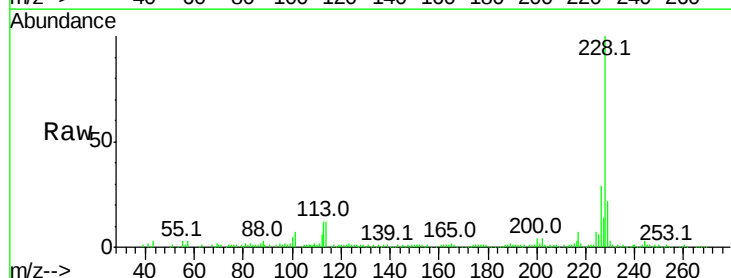


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

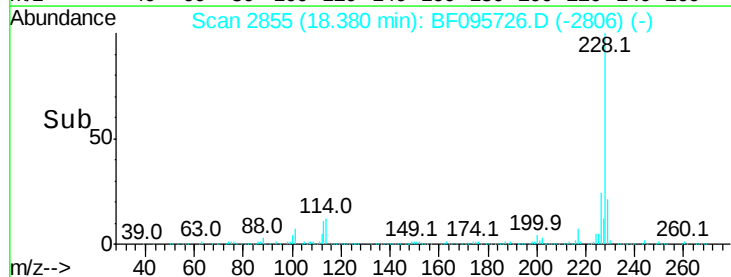
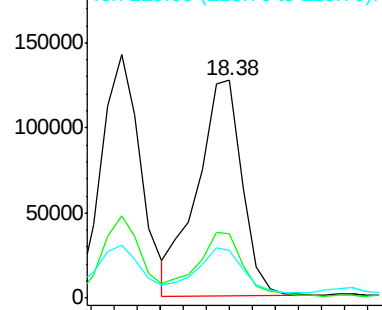


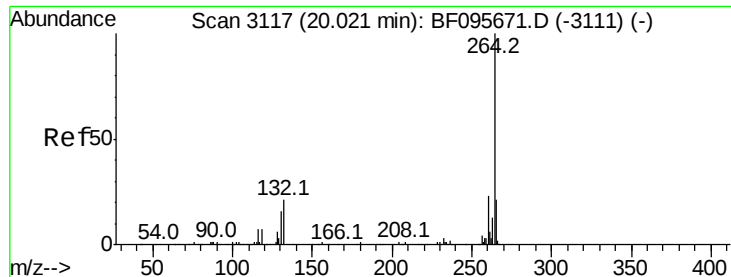
#82
Chrysene
Concen: 20.20 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion:228 Resp: 171285
Ion Ratio Lower Upper
228 100
226 29.4 24.9 37.3
229 22.0 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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

Instrument :

BNA_F

ClientSampleId :

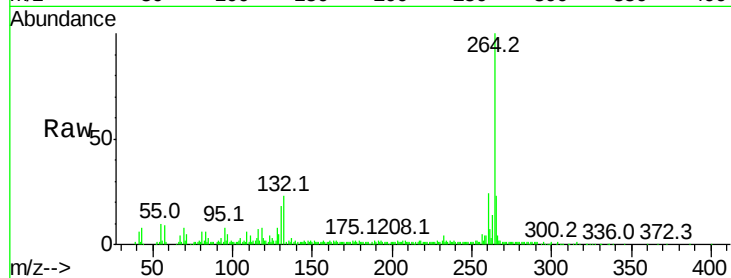
Tot Ion:264 Resp: 105927

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.8	17.2	25.8

264 100

260 24.3 19.5 29.3

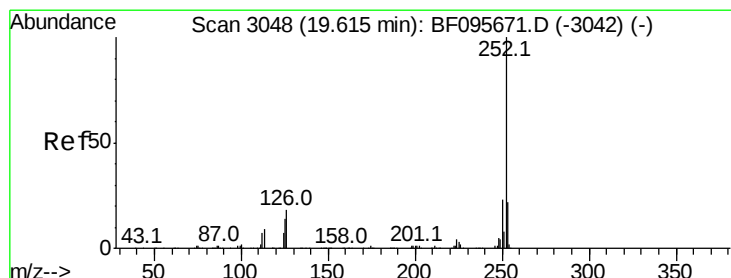
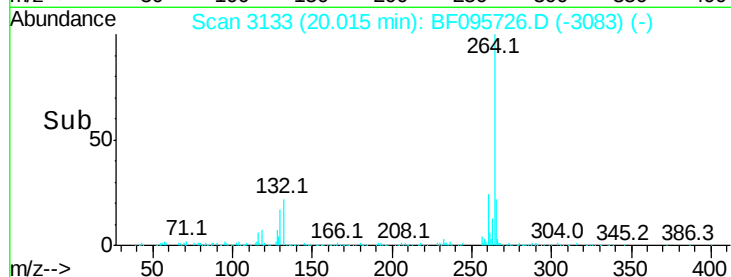
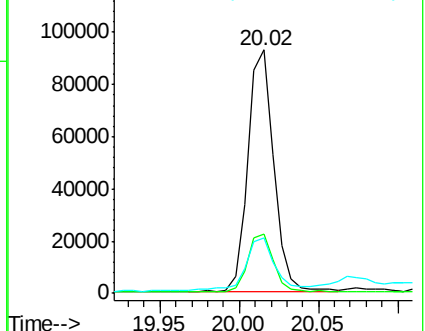
265 22.8 17.2 25.8



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: 26.75 ng

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095726.D

Acq: 7 Jun 2017 00:16

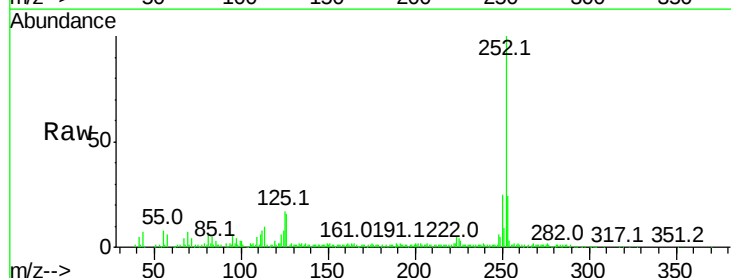
Tgt Ion:252 Resp: 177403

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	17.5	9.8	14.8

252 100

253 23.6 18.1 27.1

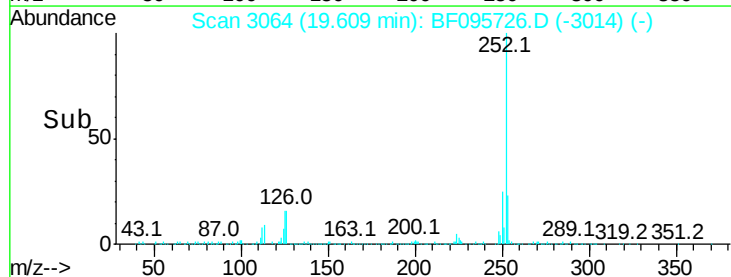
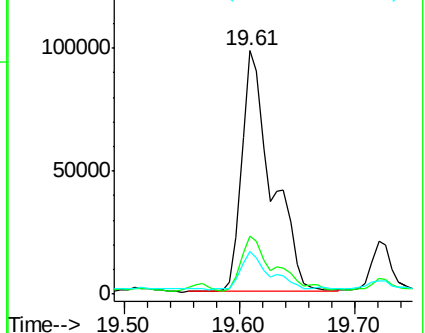
125 17.5 9.8 14.8

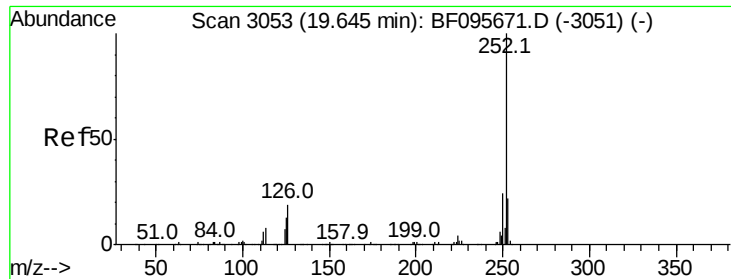


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

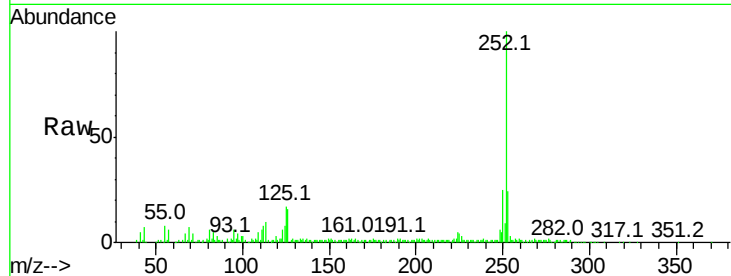




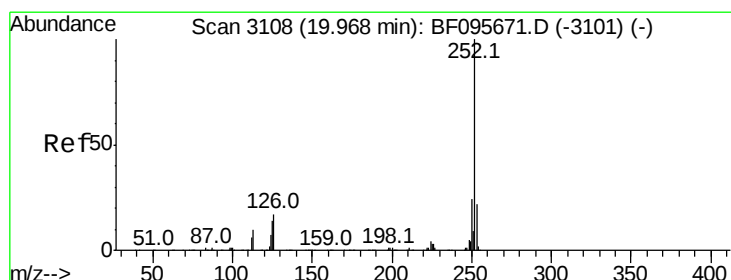
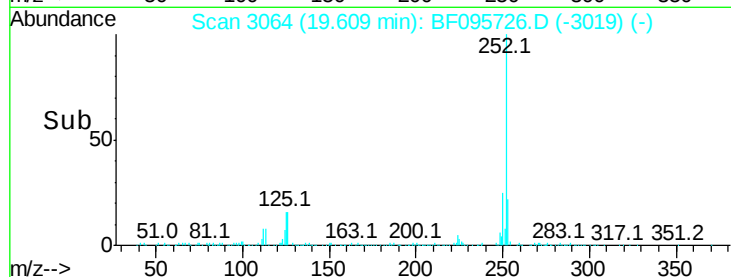
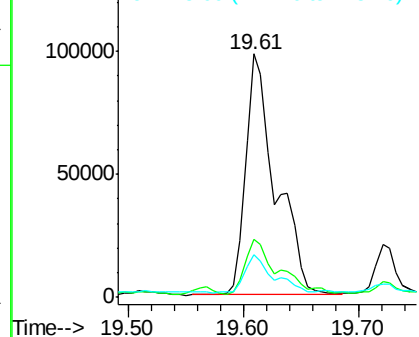
#88
Benzo(k)fluoranthene
Concen: 27.98 ng
RT: 19.61 min Scan# 3064
Delta R.T. -0.04 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 177403
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 17.5 13.1 19.7

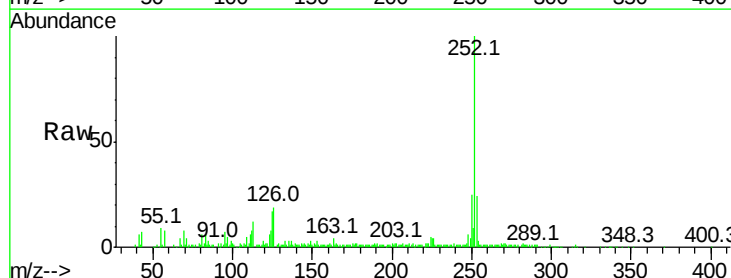


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

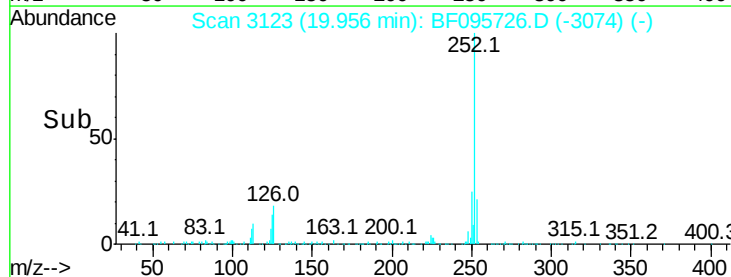
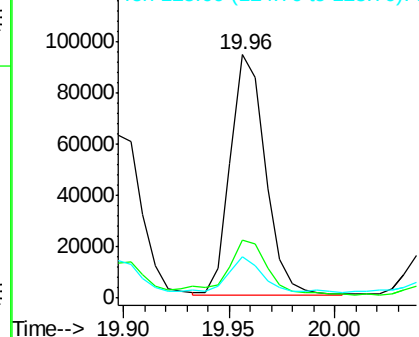


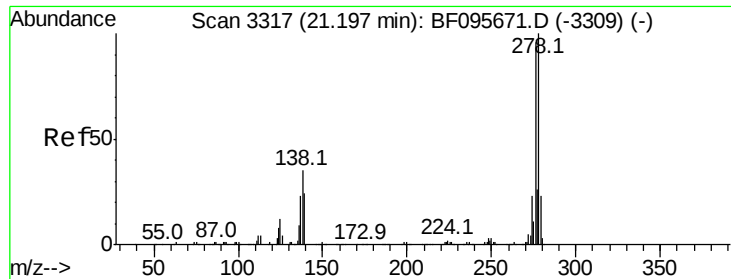
#89
Benzo(a)pyrene
Concen: 17.85 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion:252 Resp: 108796
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 16.8 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

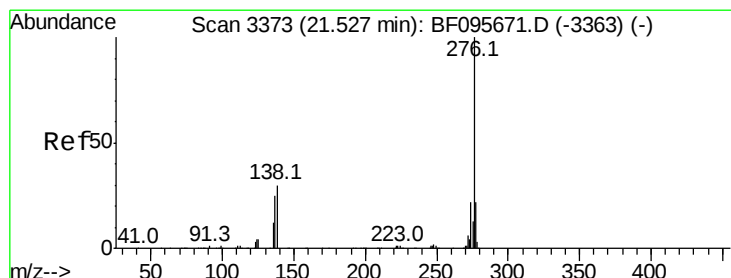
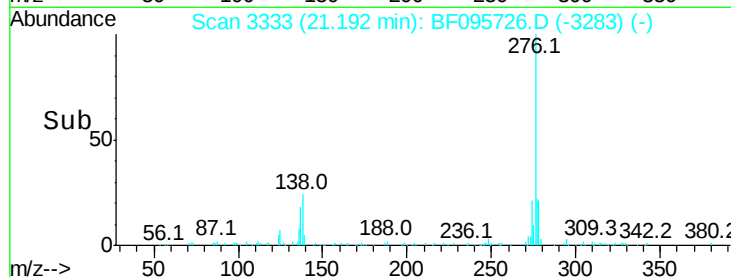
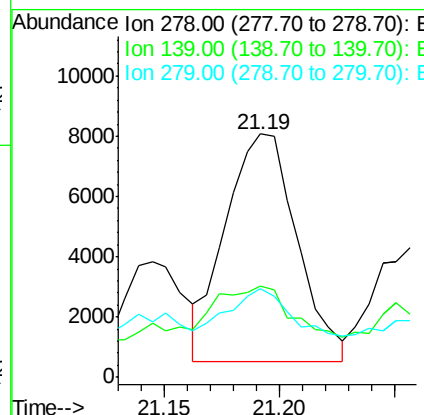
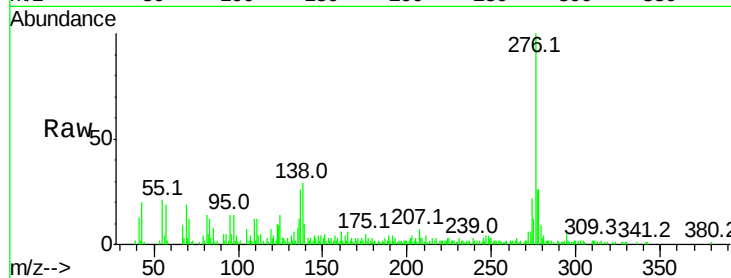




#90
Dibenzo(a,h)anthracene
Concen: 3.13 ng
RT: 21.19 min Scan# 3333
Delta R.T. -0.01 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 16205
Ion Ratio Lower Upper
278 100
139 37.5 16.6 24.8#
279 36.4 19.3 28.9#



#91
Benzo(g,h,i)perylene
Concen: 9.61 ng
RT: 21.53 min Scan# 3390
Delta R.T. 0.00 min
Lab File: BF095726.D
Acq: 7 Jun 2017 00:16

Tgt Ion:276 Resp: 50661
Ion Ratio Lower Upper
276 100
277 25.7 18.6 28.0
138 34.5 25.4 38.0

