

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095421.D
 Acq On : 25 May 2017 12:01
 Operator : SJ/MA
 Sample : I3300-04 2X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 13:29:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

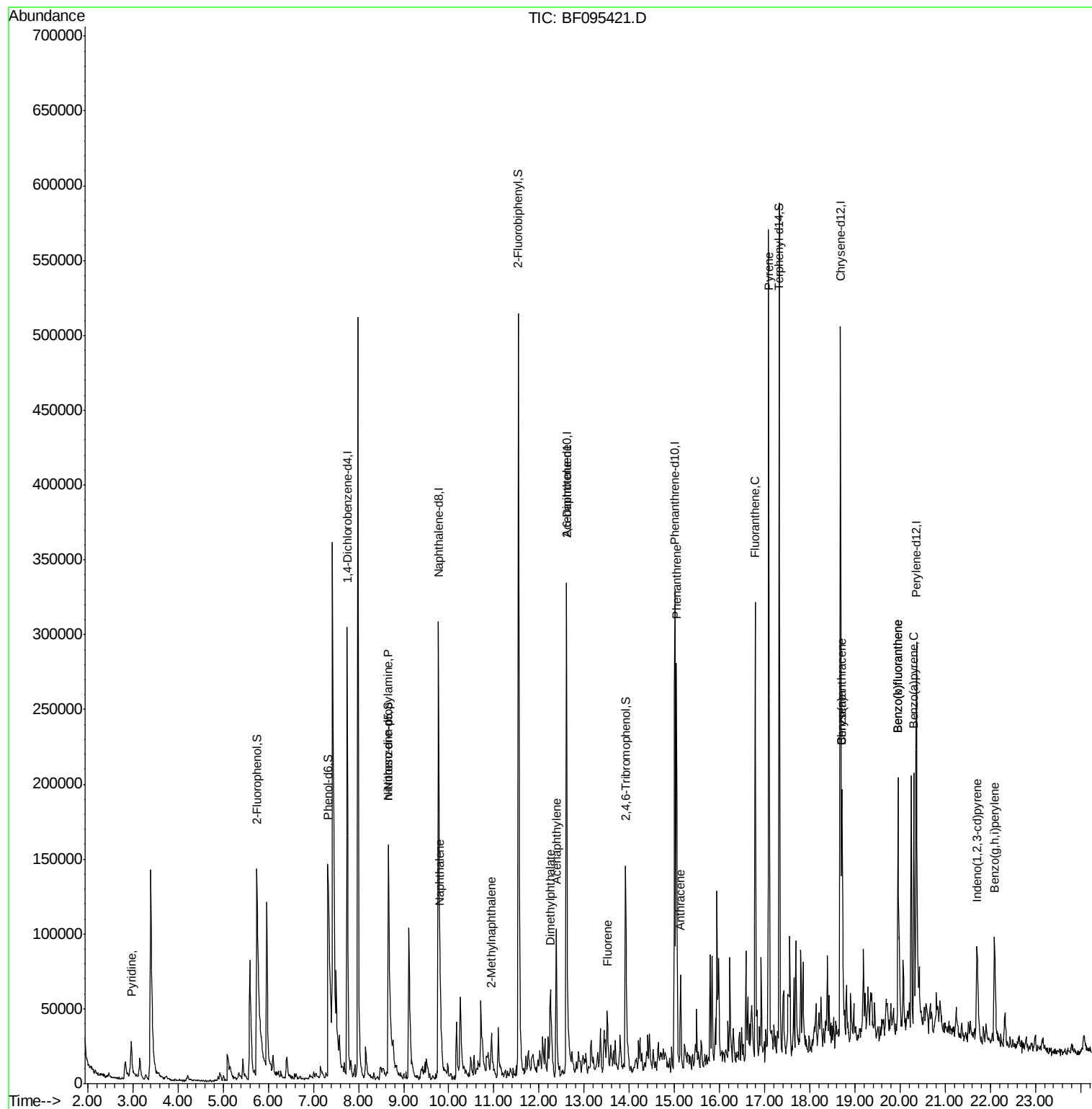
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	76223	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	280891	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	111741	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	181378	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	165014	20.00	ng	-0.02
86) Perylene-d12	20.36	264	114107	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	185729	40.62	ng	0.01
7) Phenol-d6	7.32	99	234384	42.73	ng	0.01
23) Nitrobenzene-d5	8.66	82	167748	37.66	ng	-0.01
41) 2,4,6-Tribromophenol	13.92	330	33216	36.30	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	300627	38.72	ng	-0.02
78) Terphenyl-d14	17.32	244	214204	28.59	ng	-0.02
Target Compounds						
3) Pyridine	2.97	79	20265	3.90	ng	Qvalue # 39
19) n-Nitroso-di-n-propylamine	8.66	70	17635	4.75	ng	# 79
31) Naphthalene	9.81	128	41899	2.97	ng	98
37) 2-Methylnaphthalene	10.95	142	18569	2.00	ng	97
48) Acenaphthylene	12.38	152	75901	6.38	ng	97
49) Dimethylphthalate	12.25	163	46095	5.02	ng	96
50) 2,6-Dinitrotoluene	12.61	165	13625	7.28	ng	# 34
57) Fluorene	13.51	166	19570	2.29	ng	85
70) Phenanthrene	15.04	178	171771	16.48	ng	97
71) Anthracene	15.14	178	41057	3.86	ng	98
74) Fluoranthene	16.79	202	163941	15.34	ng	99
77) Pylene	17.09	202	287482	23.29	ng	97
80) Benzo(a)anthracene	18.71	228	90341	9.41	ng	97
82) Chrysene	18.71	228	90341	9.73	ng	99
85) Indeno(1,2,3-cd)pyrene	21.71	276	44873	5.95	ng	92
87) Benzo(b)fluoranthene	19.95	252	111361	15.79	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	111361	16.37	ng	98
89) Benzo(a)pyrene	20.31	252	77367	11.89	ng	98
91) Benzo(a,h,i)perylene	22.09	276	62846	11.92	ng	97

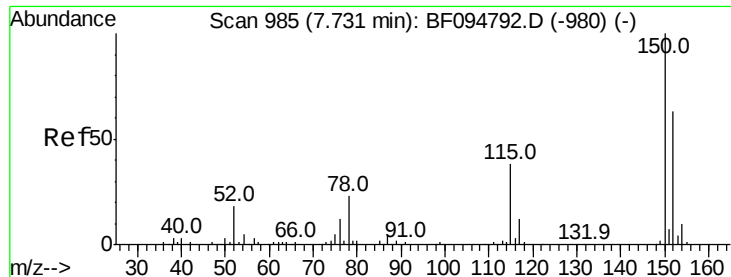
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.75 min Scan# 988

Delta R.T. -0.02 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

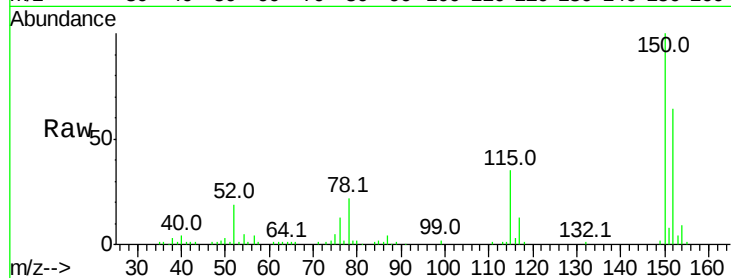
Tot Ion:152 Resp: 76223

Ion Ratio Lower Upper

152 100

150 157.1 126.2 189.2

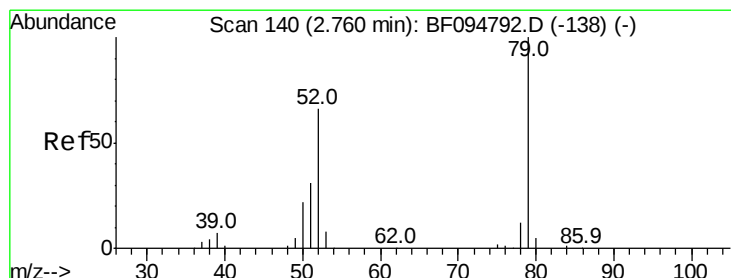
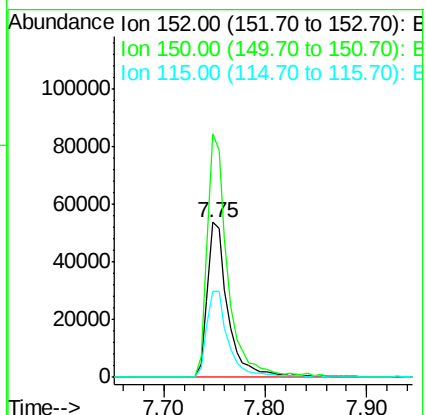
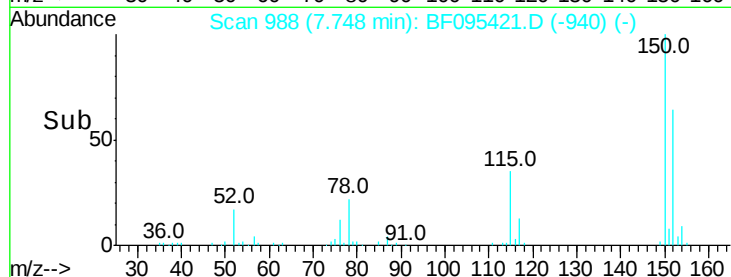
115 55.3 52.2 78.2



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



#3

Pyridine

Concen: 3.90 ng

RT: 2.97 min Scan# 175

Delta R.T. 0.04 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

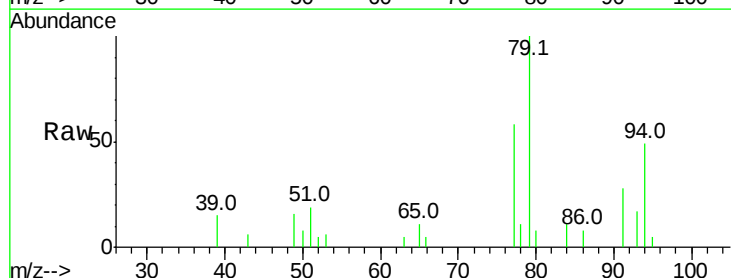
Tgt Ion: 79 Resp: 20265

Ion Ratio Lower Upper

79 100

52 5.1 54.8 82.2#

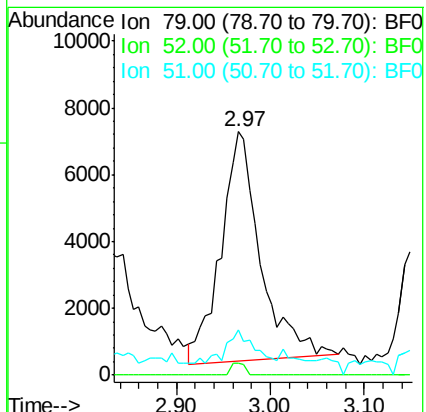
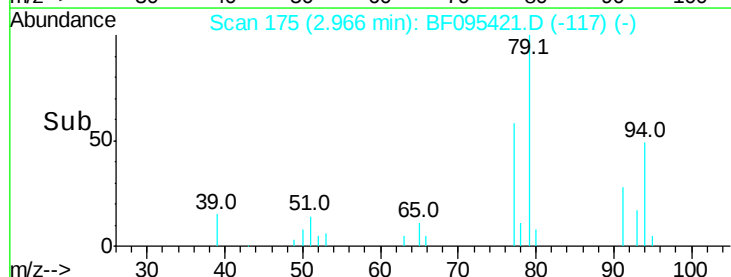
51 18.6 27.0 40.4#

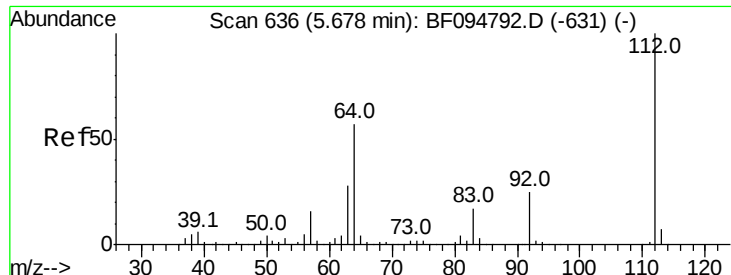


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

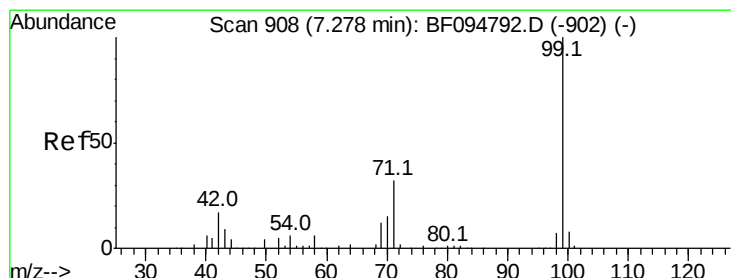
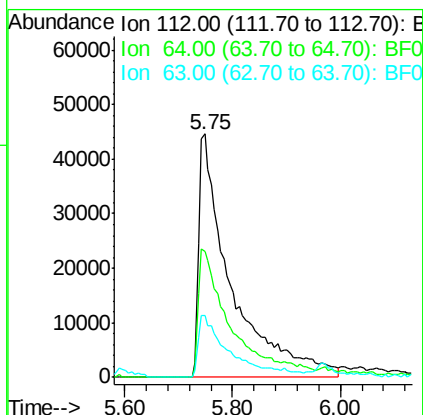
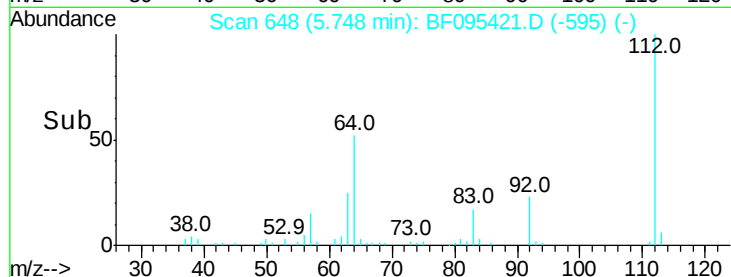
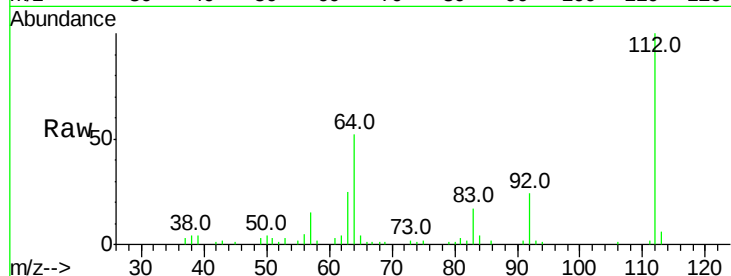




#5
 2-Fluorophenol
 Concen: 40.62 ng
 RT: 5.75 min Scan# 648
 Delta R.T. 0.01 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

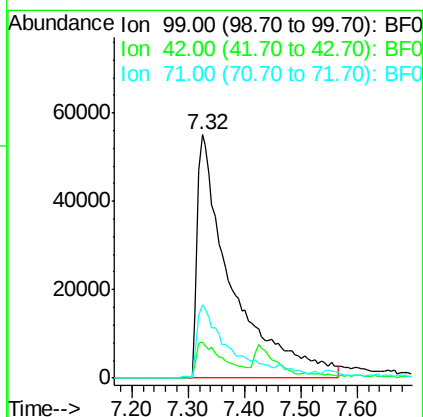
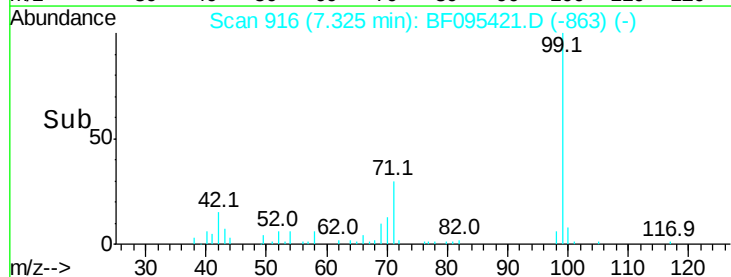
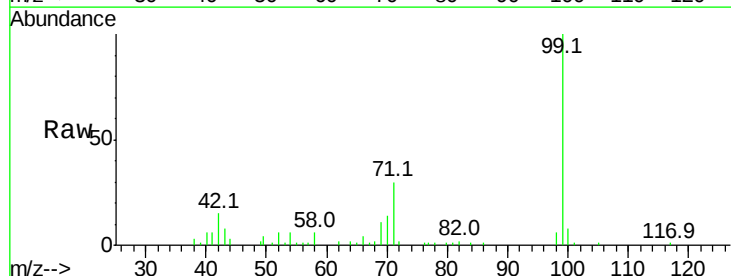
Instrument :
 BNA_F
 ClientSampled :

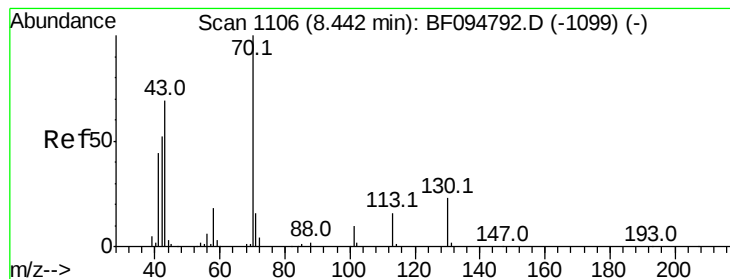
Tot Ion:	112	Resp:	185729
Ion	Ratio	Lower	Upper
112	100		
64	51.8	46.0	69.0
63	25.2	23.4	35.0



#7
 Phenol-d6
 Concen: 42.73 ng
 RT: 7.32 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion:	99	Resp:	234384
Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.5	20.3
71	30.1	24.5	36.7





#19

n-Nitroso-di-n-propylamine

Concen: 4.75 ng

RT: 8.66 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 17635

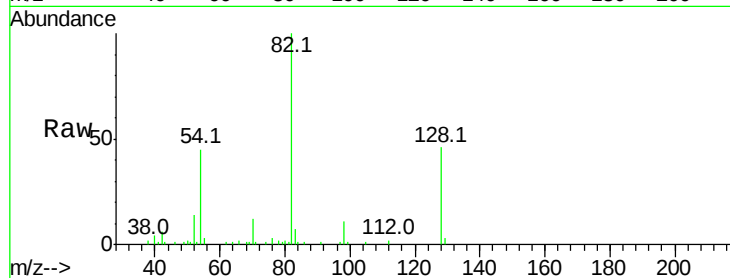
Ion Ratio Lower Upper

70 100

42 49.4 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

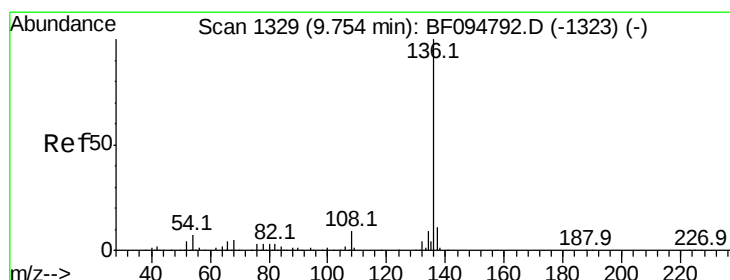
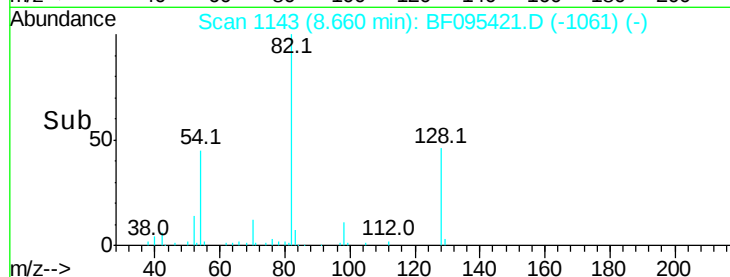
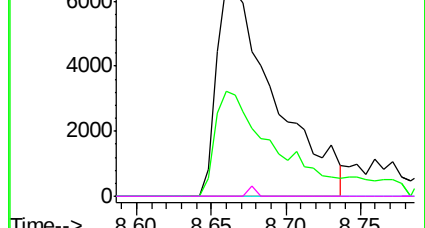


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Tgt Ion: 136 Resp: 280891

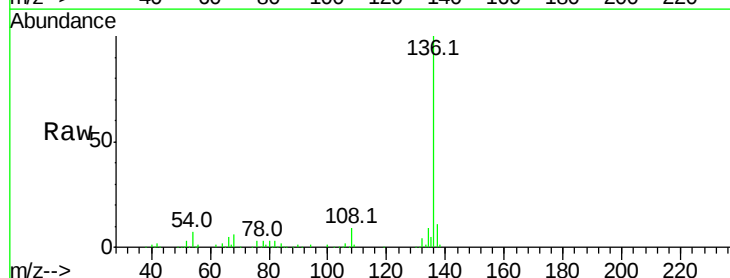
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.9 4.9 7.3

68 5.7 4.1 6.1

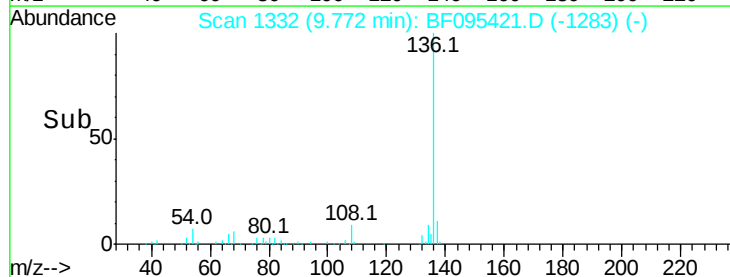
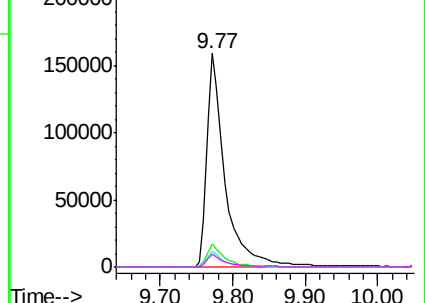


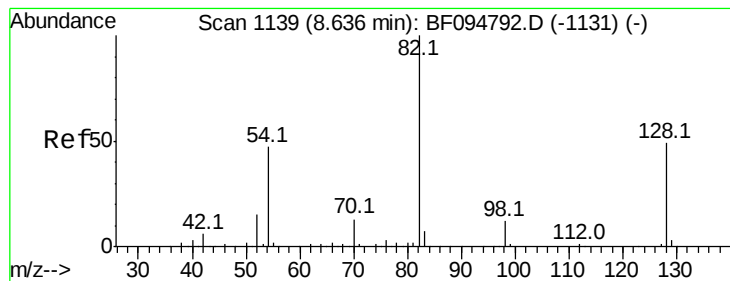
Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.66 ng

RT: 8.66 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

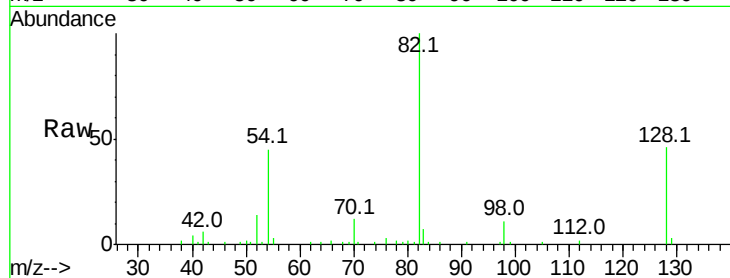
Tot Ion: 82 Resp: 167748

Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

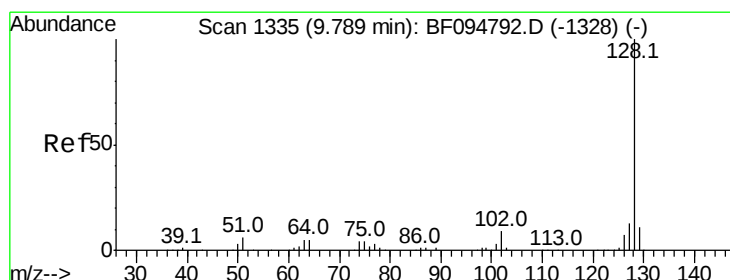
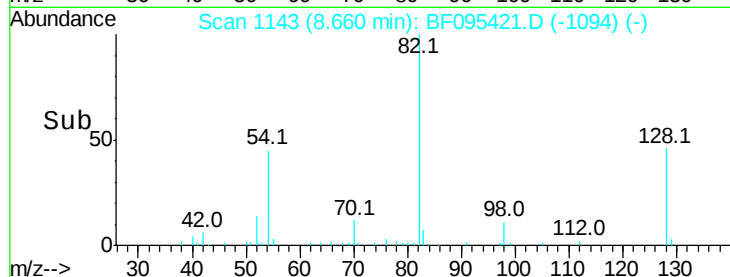
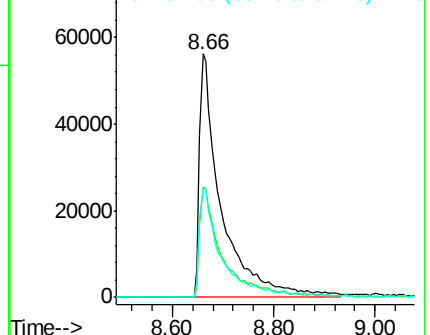
54 45.1 42.2 63.2



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



#31

Naphthalene

Concen: 2.97 ng

RT: 9.81 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

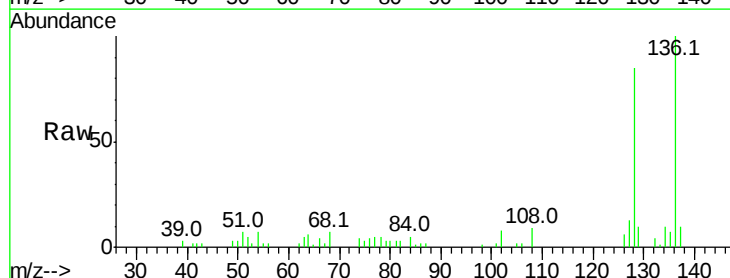
Tgt Ion: 128 Resp: 41899

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

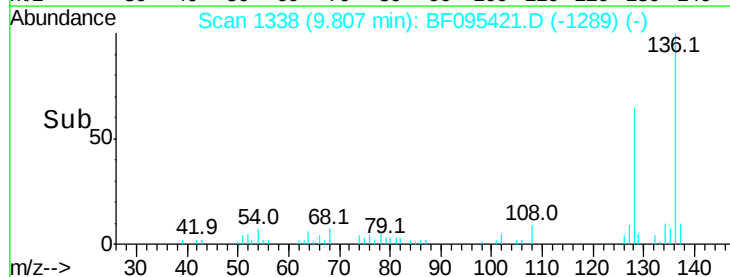
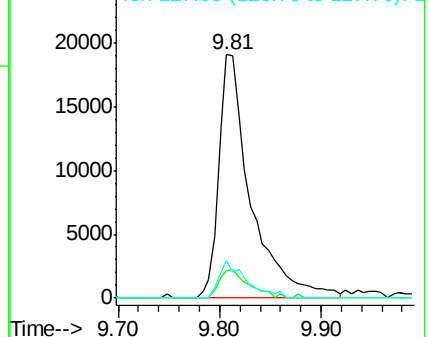
127 15.2 10.8 16.2

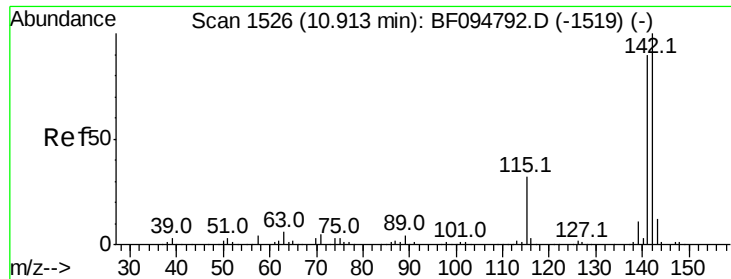


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

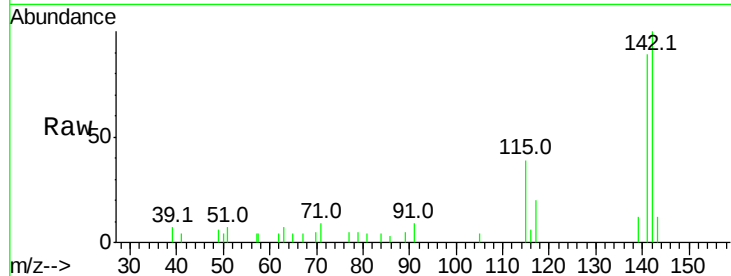




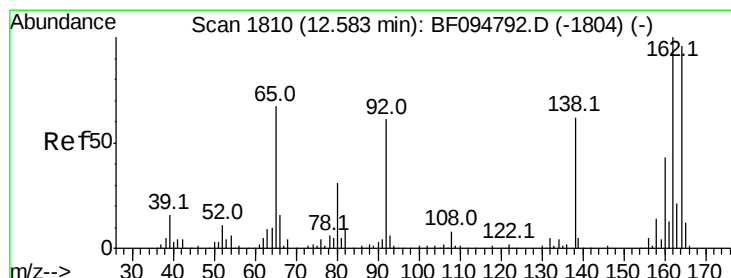
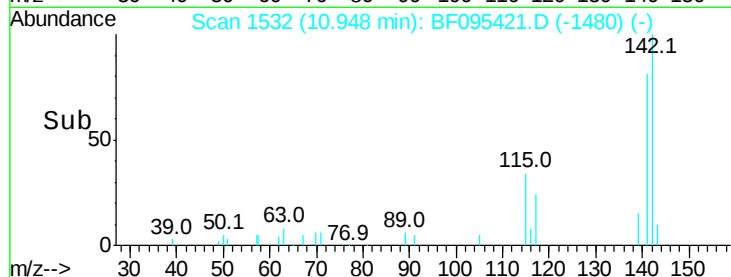
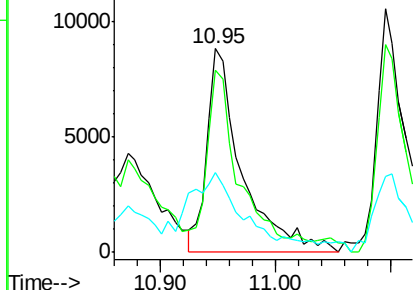
#37
2-Methylnaphthalene
Concen: 2.00 ng
RT: 10.95 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 18569
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9
115 39.2 27.1 40.7

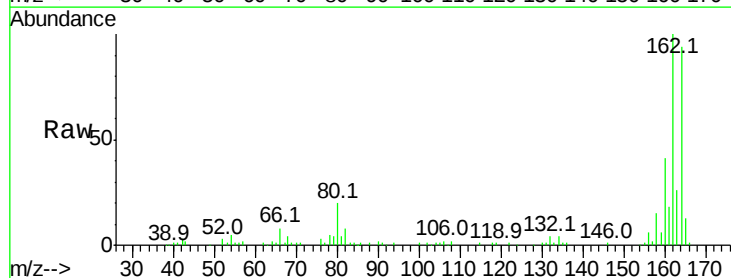


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

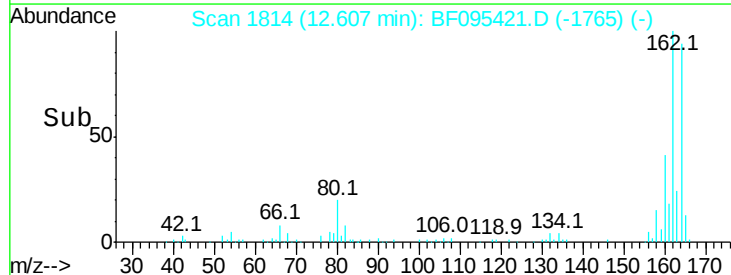
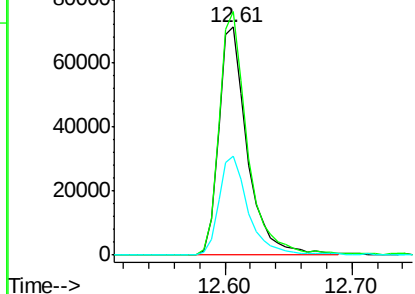


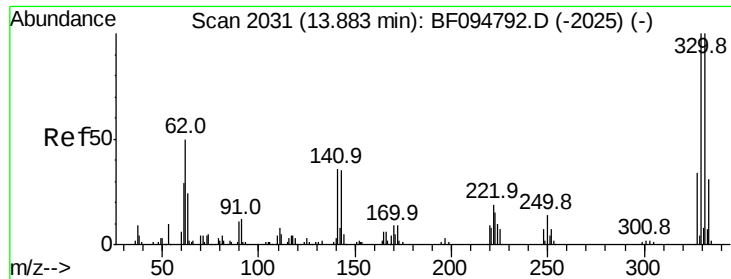
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion:164 Resp: 111741
Ion Ratio Lower Upper
164 100
162 106.8 82.6 123.8
160 43.4 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

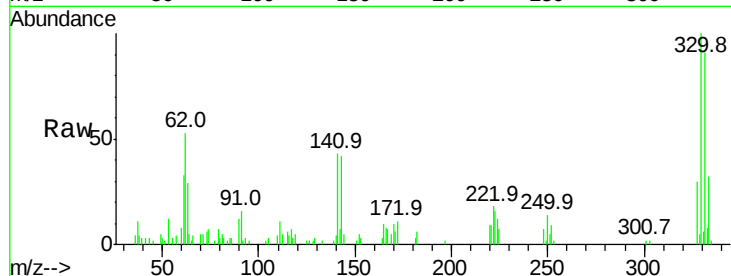




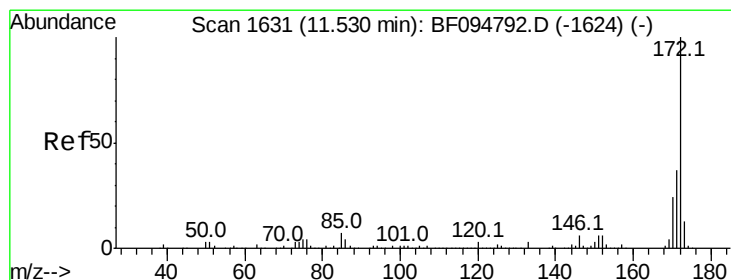
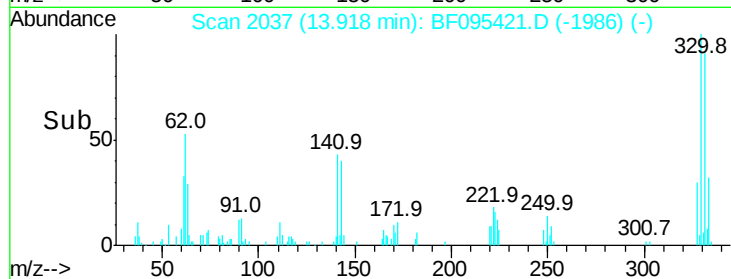
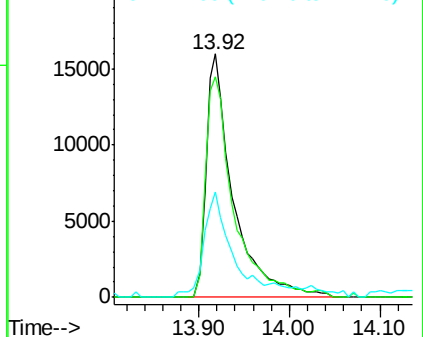
#41
 2,4,6-Tribromophenol
 Concen: 36.30 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 33216
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 115.0
 141 49.1 31.4 47.2#

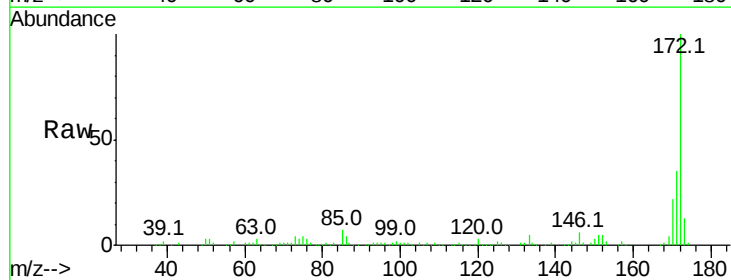


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

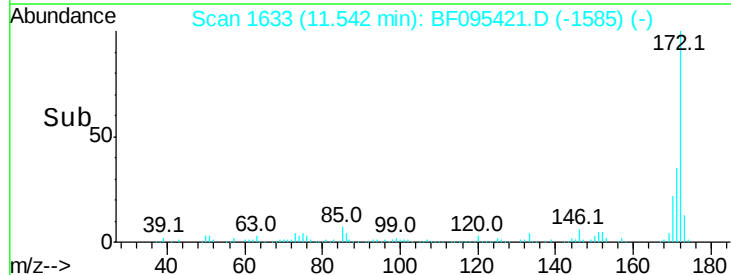
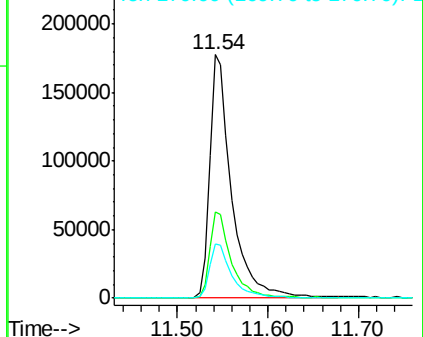


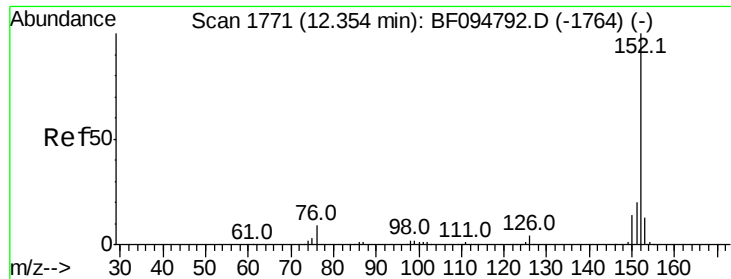
#44
 2-Fluorobiphenyl
 Concen: 38.72 ng
 RT: 11.54 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion:172 Resp: 300627
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 22.2 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: 6.38 ng

RT: 12.38 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

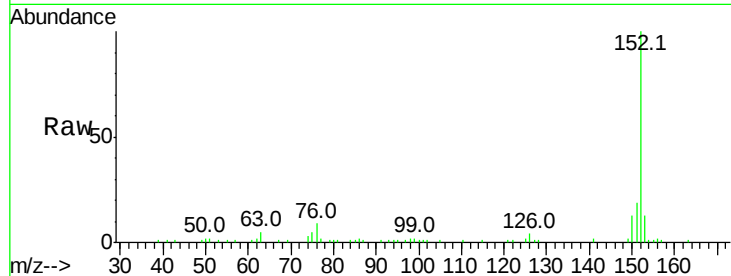
Tot Ion:152 Resp: 75901

Ion Ratio Lower Upper

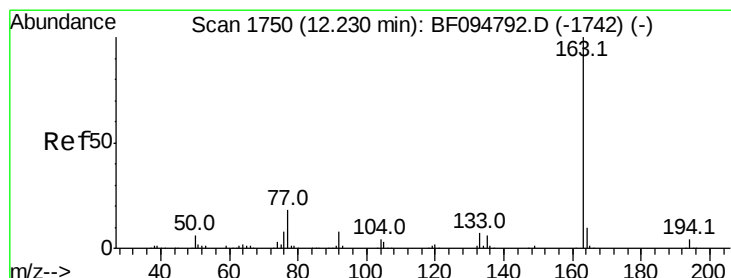
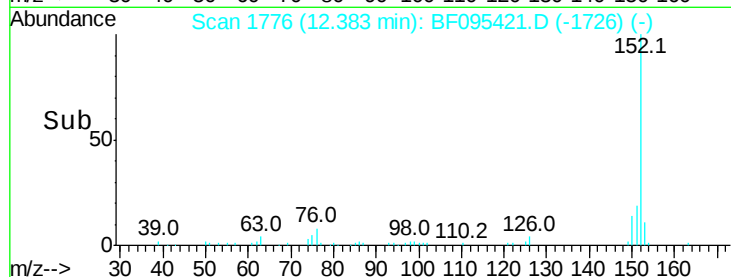
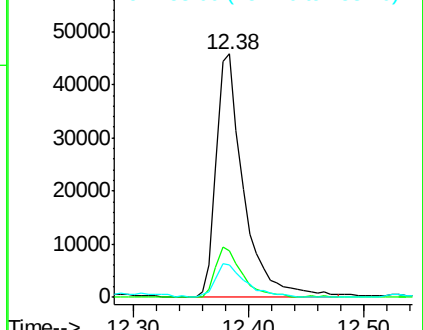
152 100

151 19.0 16.8 25.2

153 13.1 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: 5.02 ng

RT: 12.25 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

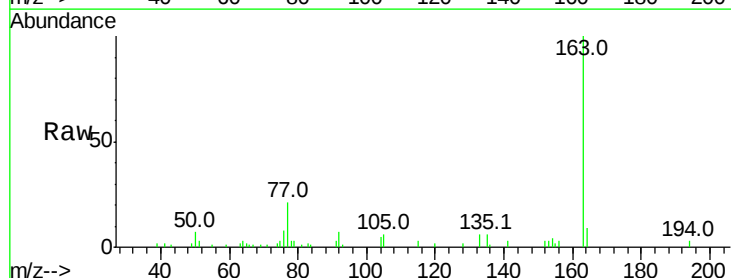
Tgt Ion:163 Resp: 46095

Ion Ratio Lower Upper

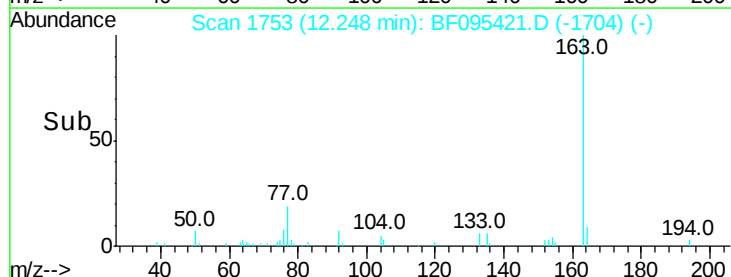
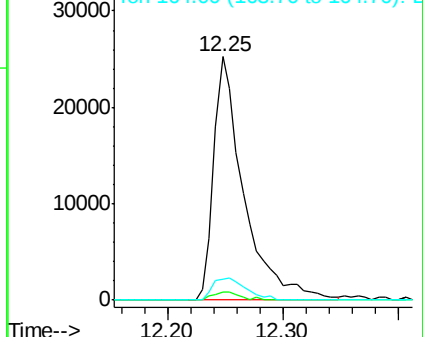
163 100

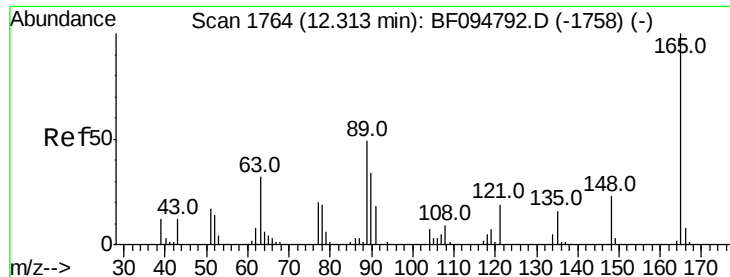
194 3.1 2.6 4.0

164 8.5 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

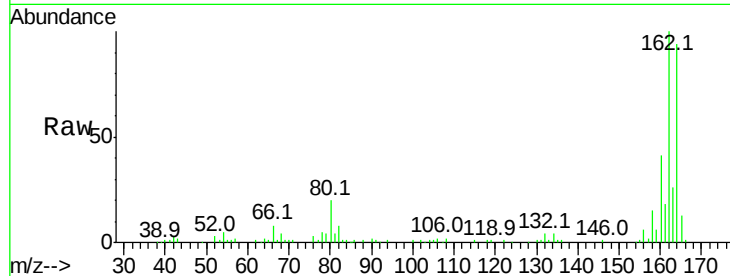




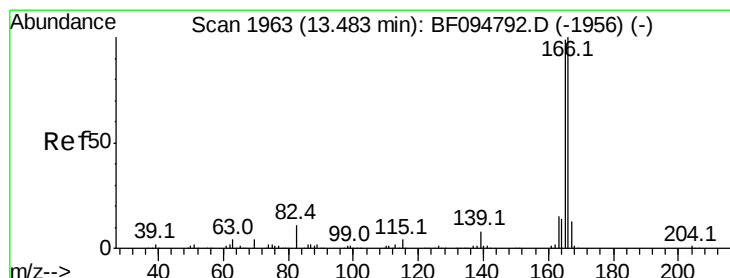
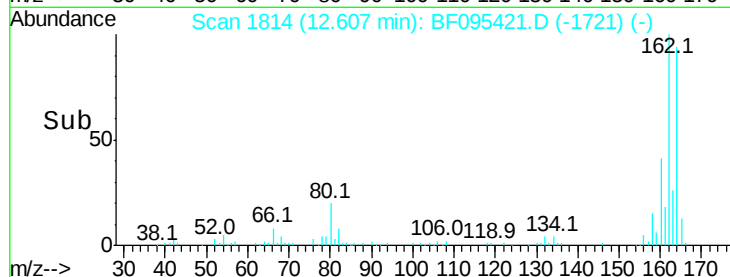
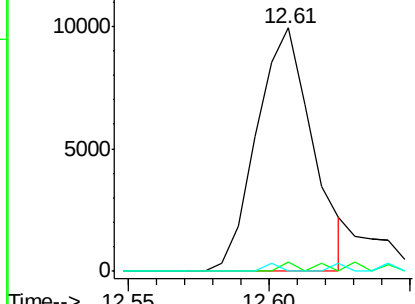
#50
 2,6-Dinitrotoluene
 Concen: 7.28 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. 0.25 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.7	34.3	51.5#
89	0.0	37.1	55.7#

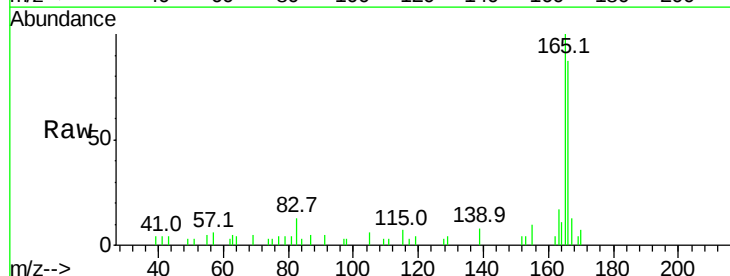


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

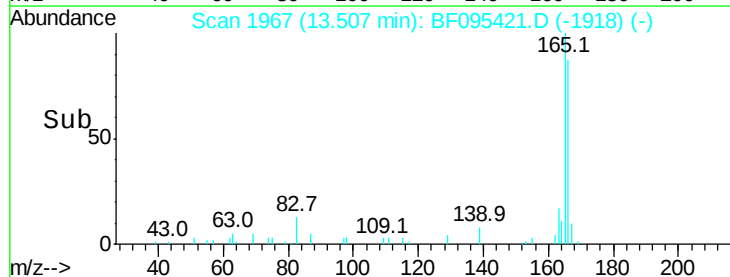
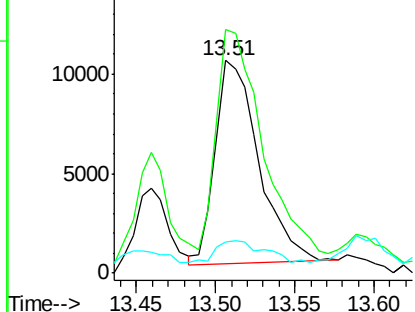


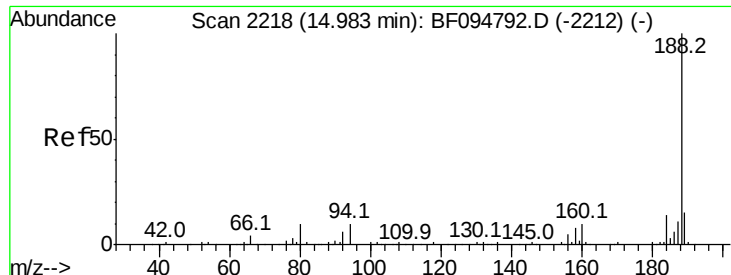
#57
 Fluorene
 Concen: 2.29 ng
 RT: 13.51 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.4	78.8	118.2
167	14.8	10.6	16.0



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

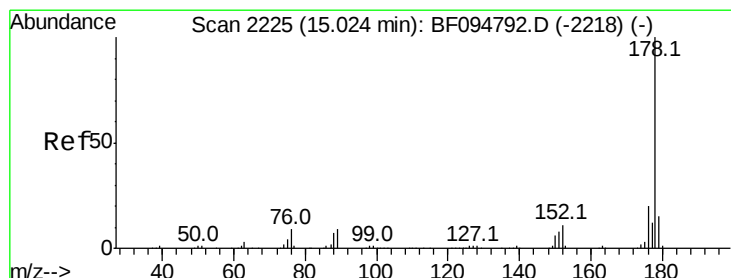
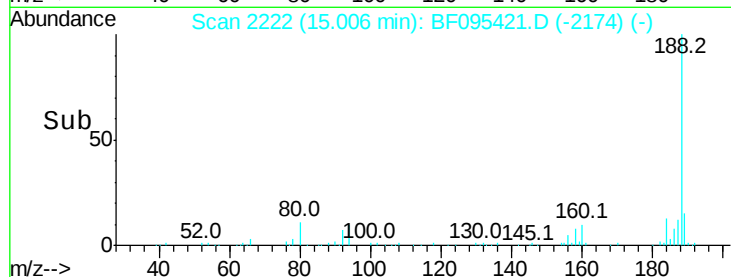
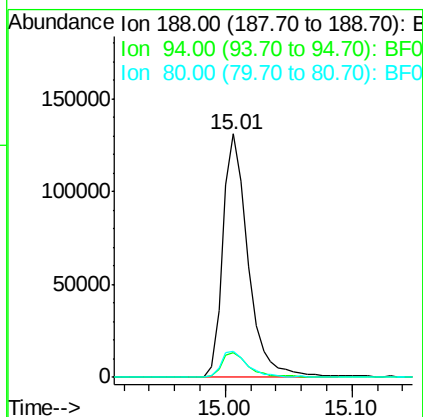
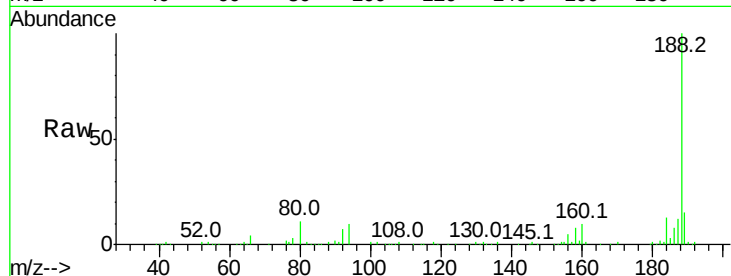




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

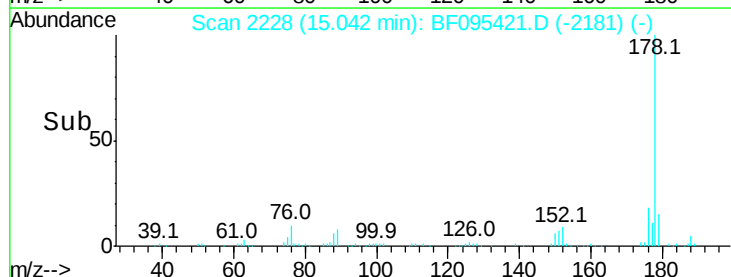
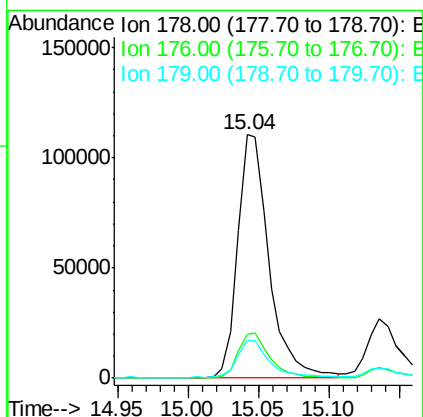
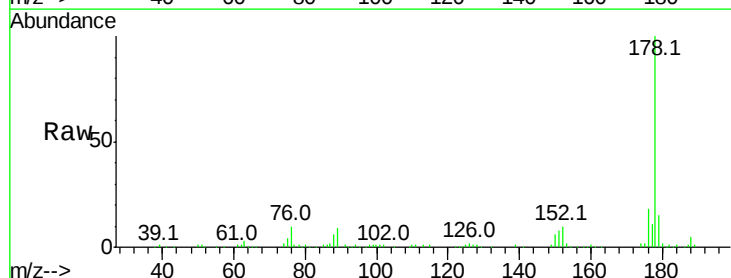
Instrument :
 BNA_F
 ClientSampleId :

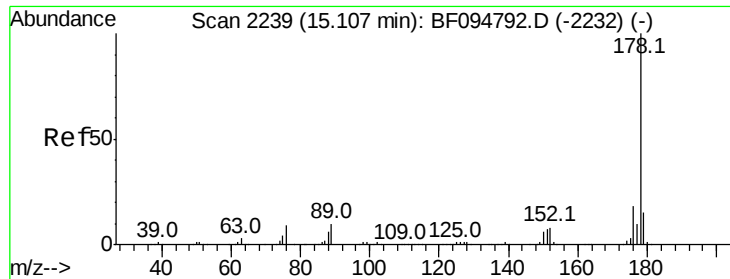
Tot Ion:188 Resp: 181378
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 10.9 10.2 15.2



#70
 Phenanthrene
 Concen: 16.48 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion:178 Resp: 171771
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.2 24.4
 179 15.3 12.6 19.0

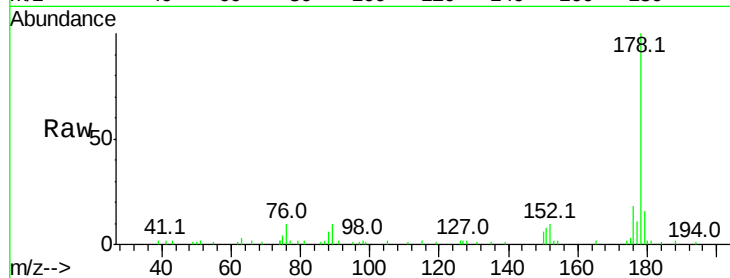




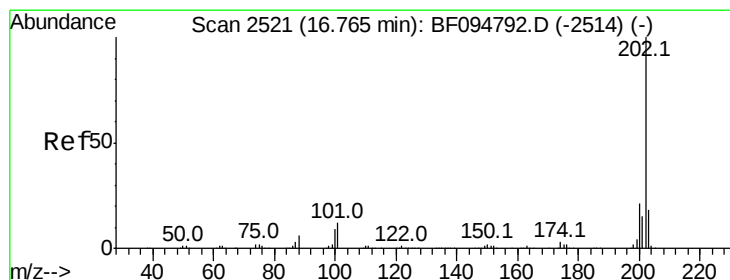
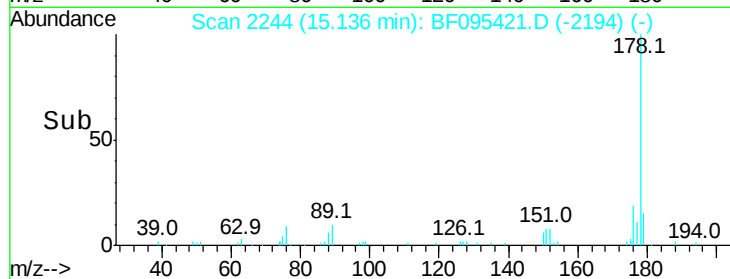
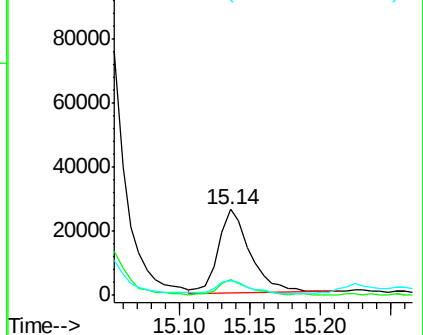
#71
 Anthracene
 Concen: 3.86 ng
 RT: 15.14 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 41057
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 16.4 12.7 19.1

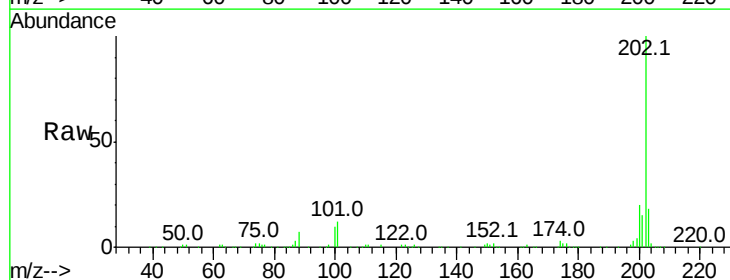


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

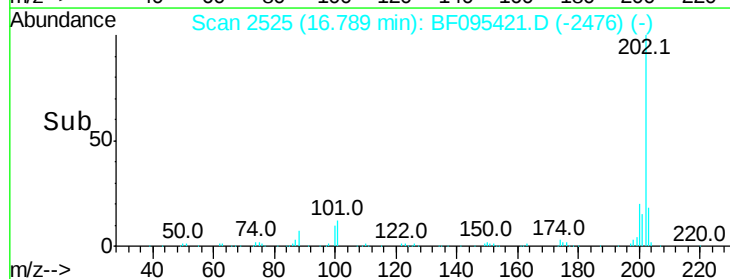
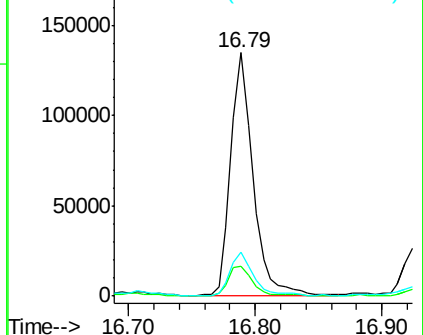


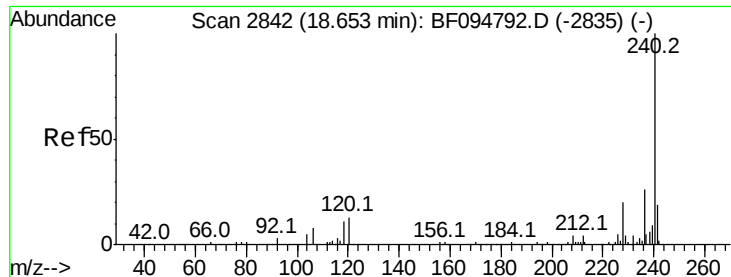
#74
 Fluoranthene
 Concen: 15.34 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion:202 Resp: 163941
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 33.2
 203 18.0 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

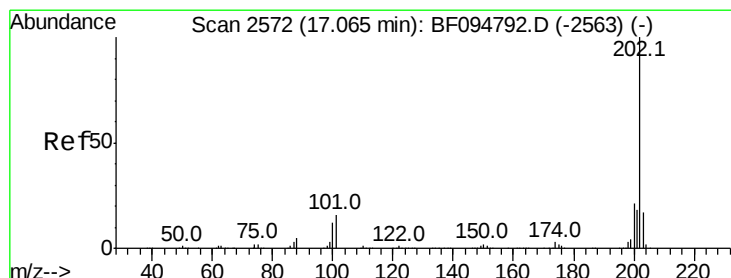
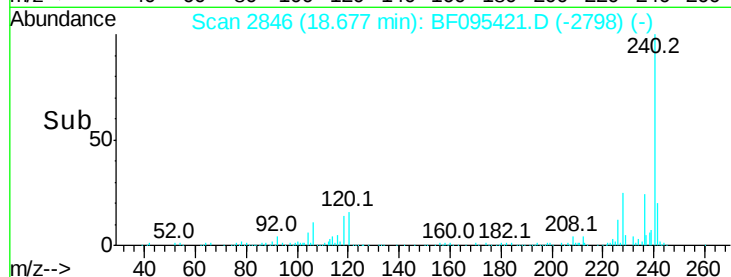
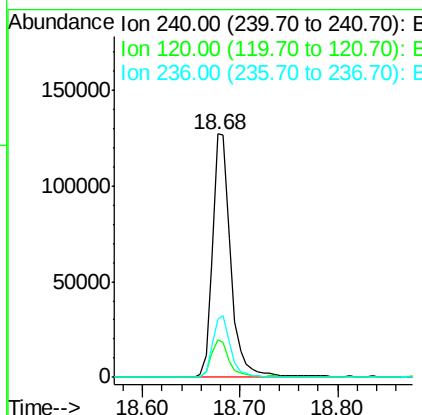
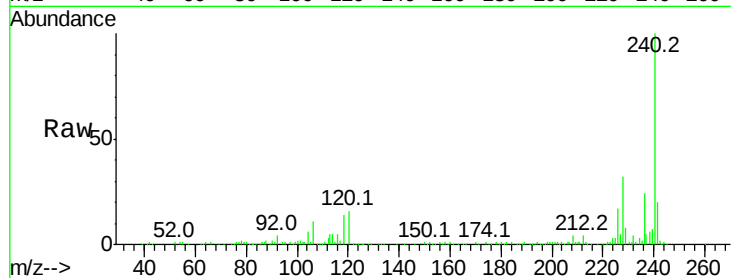




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.02 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

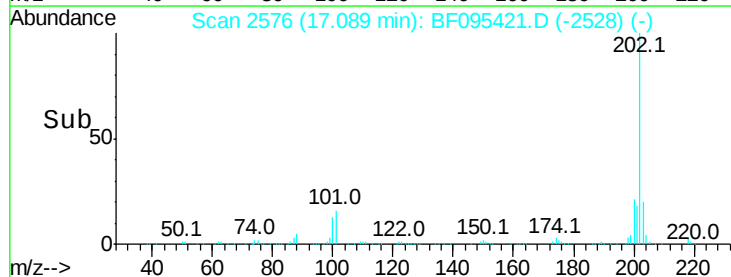
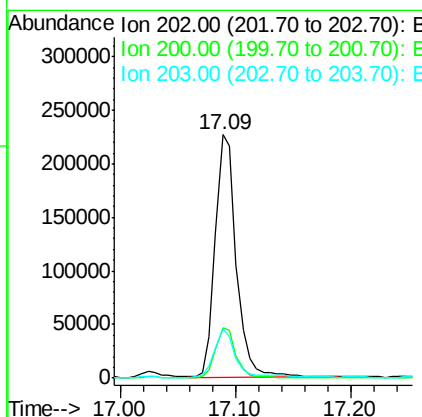
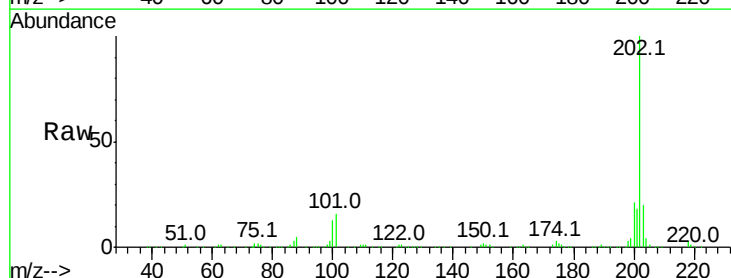
Instrument :
 BNA_F
 ClientSampleId :

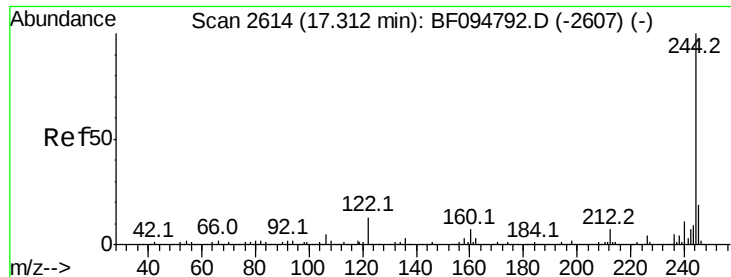
Tot Ion:240 Resp: 165014
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.8 8.8#
 236 24.0 20.5 30.7



#77
 Pyrene
 Concen: 23.29 ng
 RT: 17.09 min Scan# 2576
 Delta R.T. -0.02 min
 Lab File: BF095421.D
 Acq: 25 May 2017 12:01

Tgt Ion:202 Resp: 287482
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.6 26.4
 203 19.9 14.4 21.6





#78

Terphenyl-d14

Concen: 28.59 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

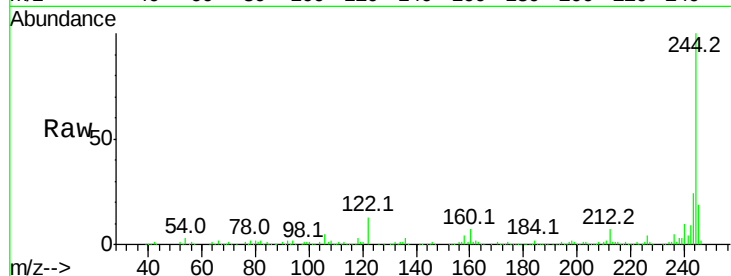
Tot Ion:244 Resp: 214204

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

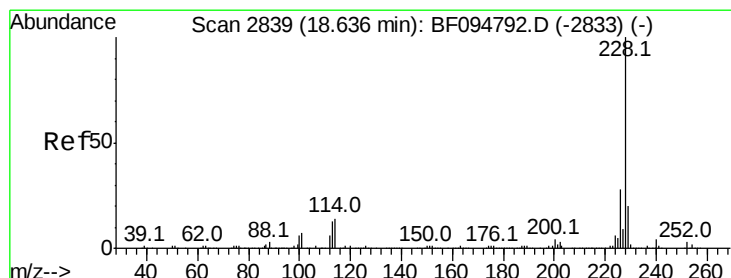
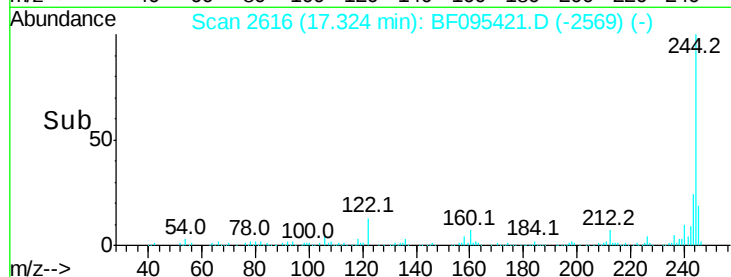
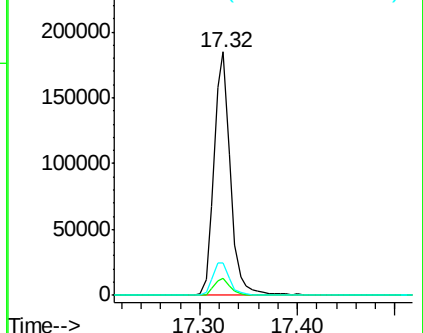
122 13.4 10.3 15.5



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: 9.41 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.03 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

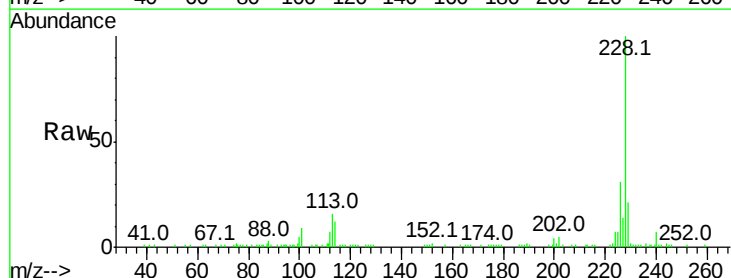
Tgt Ion:228 Resp: 90341

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

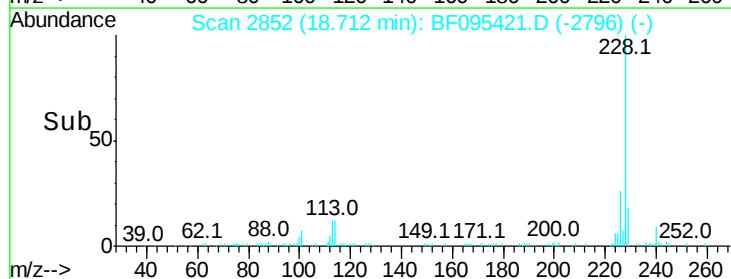
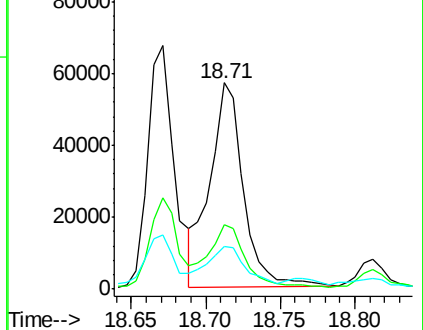
229 20.9 16.3 24.5

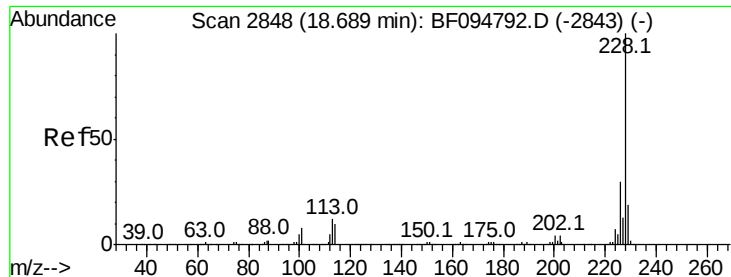


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.73 ng

RT: 18.71 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

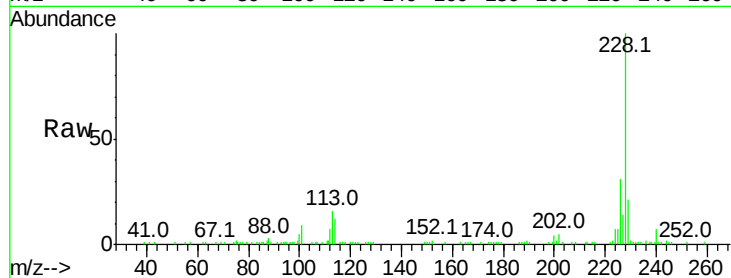
Tot Ion:228 Resp: 90341

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

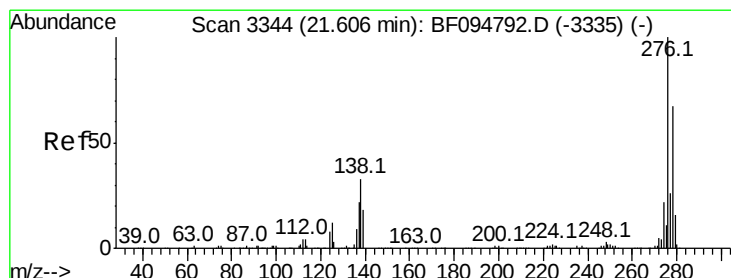
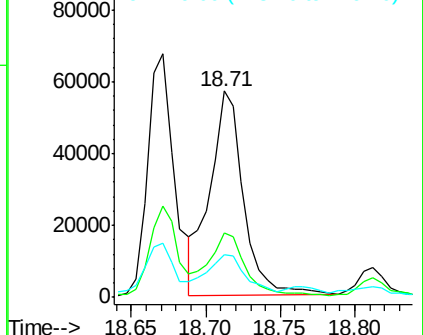
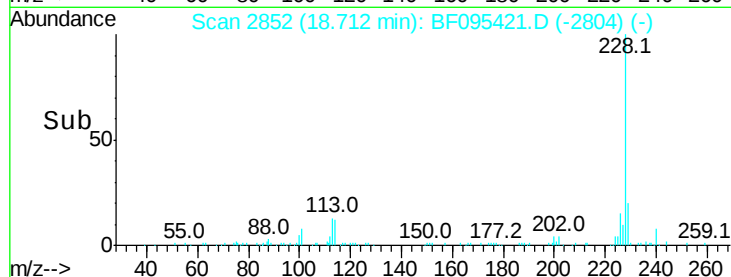
229 20.9 15.8 23.6



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: 5.95 ng

RT: 21.71 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

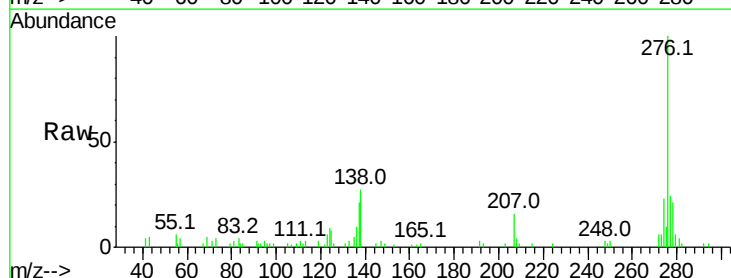
Tgt Ion:276 Resp: 44873

Ion Ratio Lower Upper

276 100

138 29.1 27.8 41.6

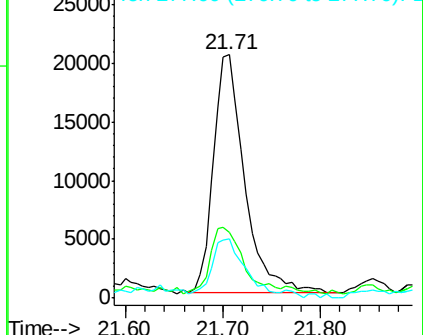
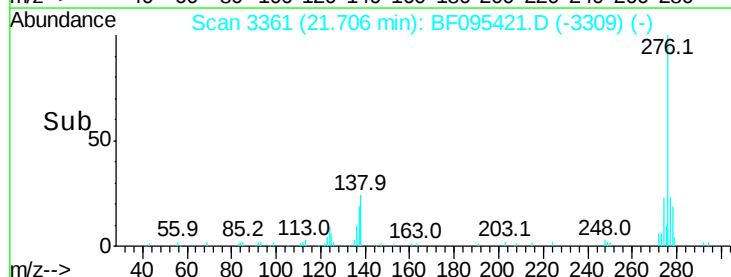
277 21.9 20.2 30.4

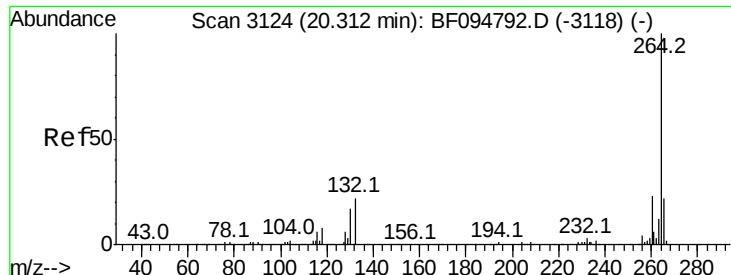


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

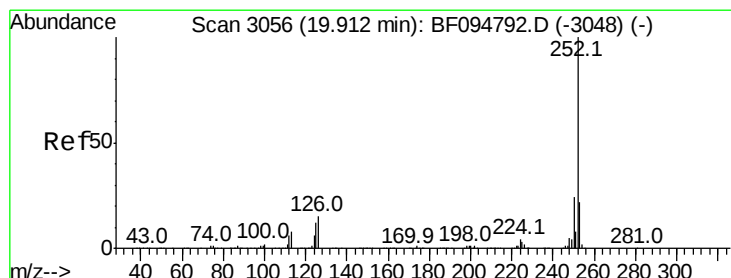
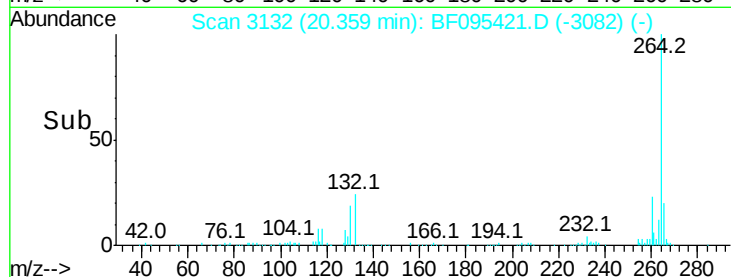
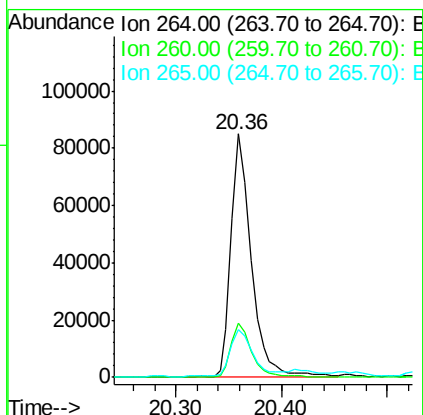
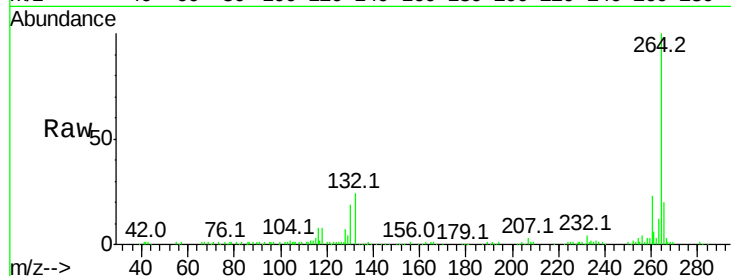




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

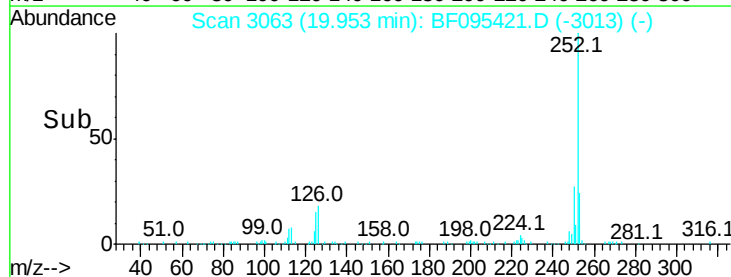
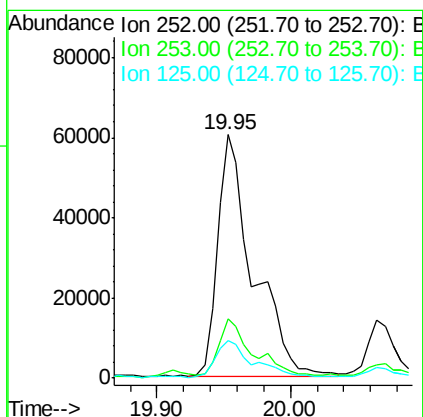
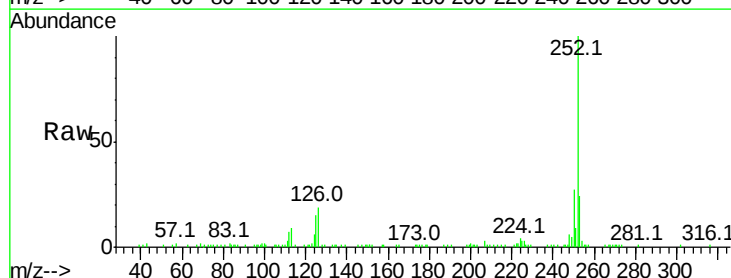
Instrument :
BNA_F
ClientSampleId :

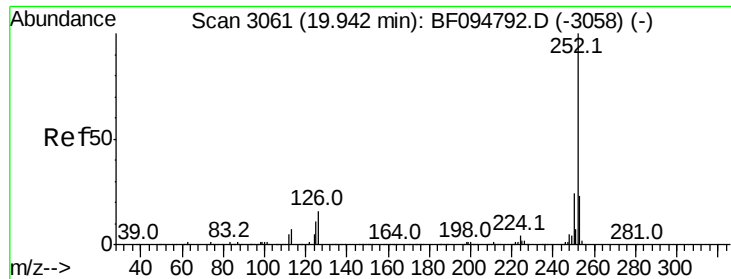
Tot Ion:264 Resp: 114107
Ion Ratio Lower Upper
264 100
260 22.5 19.5 29.3
265 19.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 15.79 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion:252 Resp: 111361
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 15.4 9.8 14.8#

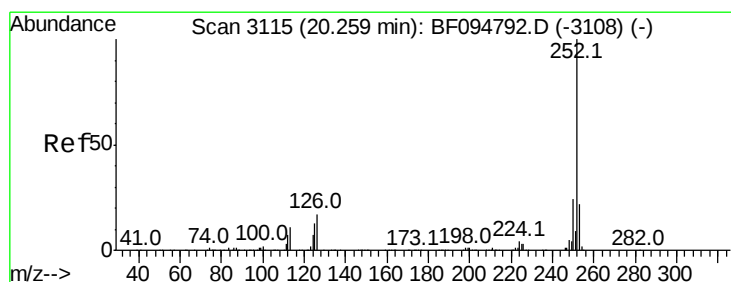
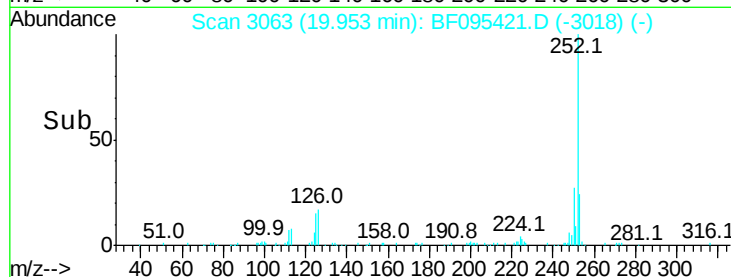
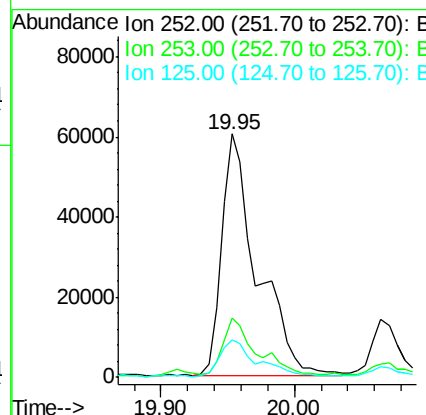
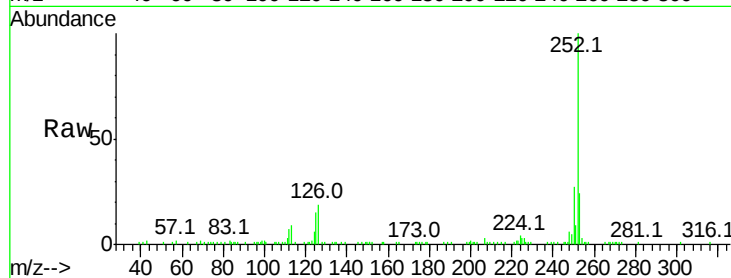




#88
Benzo(k)fluoranthene
Concen: 16.37 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

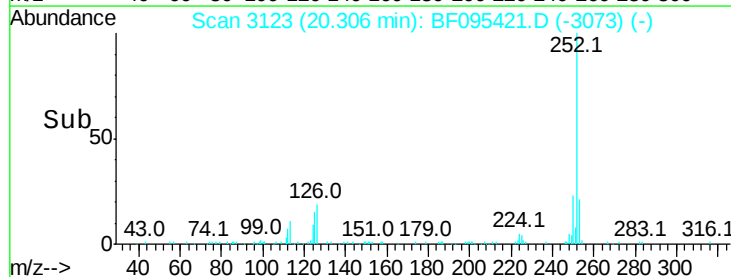
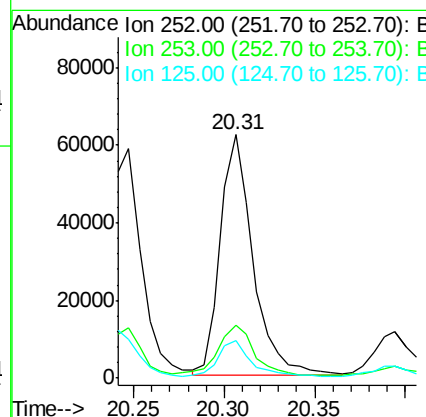
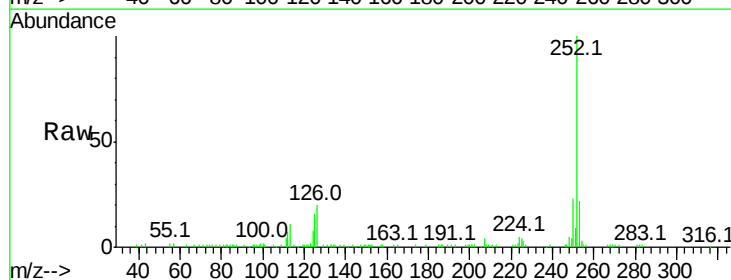
Instrument :
BNA_F
ClientSampleId :

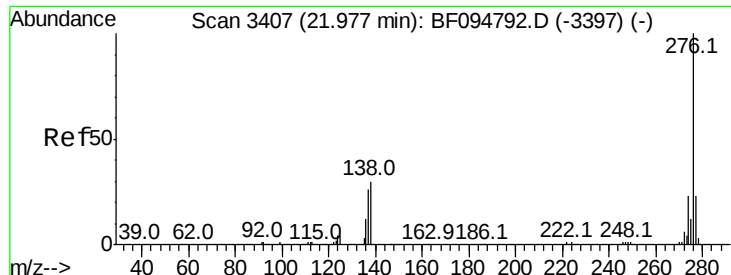
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	15.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 11.89 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095421.D
Acq: 25 May 2017 12:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	15.5	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 11.92 ng

RT: 22.09 min Scan# 3426

Delta R.T. 0.01 min

Lab File: BF095421.D

Acq: 25 May 2017 12:01

Instrument :

BNA_F

ClientSampleId :

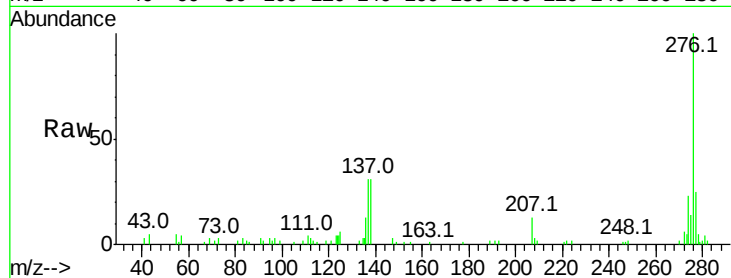
Tot Ion:276 Resp: 62846

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 30.9 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

