

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094995.D
 Acq On : 8 May 2017 23:18
 Operator : SJ/MA
 Sample : I3040-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 01:52:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	102797	20.00	ng	-0.02
21) Naphthalene-d8	9.74	136	378981	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	186729	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	302802	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	193605	20.00	ng	-0.02
86) Perylene-d12	20.30	264	178339	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	932309	151.21	ng	-0.02
7) Phenol-d6	7.26	99	1190176	160.88	ng	-0.02
23) Nitrobenzene-d5	8.62	82	704233	117.18	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	219102	143.27	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1265122	97.52	ng	-0.02
78) Terphenyl-d14	17.29	244	940895	107.04	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.95	79	10655	2.24	ng	# 43
19) n-Nitroso-di-n-propylamine	8.62	70	89895	17.97	ng	# 74
48) Acenaphthylene	12.34	152	54824	2.76	ng	99
49) Dimethylphthalate	12.20	163	119044	7.77	ng	97
70) Phenanthrene	15.00	178	47856	2.75	ng	99
74) Fluoranthene	16.74	202	252940	14.17	ng	99
77) Pyrene	17.04	202	239701	16.55	ng	96
80) Benzo(a)anthracene	18.67	228	154219	13.69	ng	96
82) Chrysene	18.67	228	154219	14.15	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	110510	12.49	ng	94
87) Benzo(b)fluoranthene	19.89	252	295546	26.82	ng	99
88) Benzo(k)fluoranthene	19.89	252	295546	27.80	ng	96
89) Benzo(a)pyrene	20.24	252	156328	15.37	ng	96
90) Dibenzo(a,h)anthracene	21.75	278	18899	2.25	ng	96
91) Benzo(a,h,i)perylene	21.96	276	102730	12.47	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.71 min Scan# 982

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

ClientSampleId :

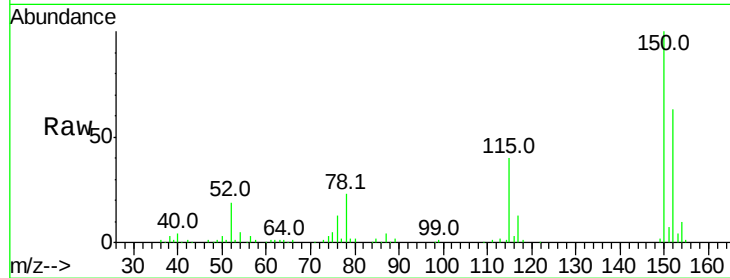
Tot Ion:152 Resp: 102797

Ion Ratio Lower Upper

152 100

150 159.5 126.2 189.2

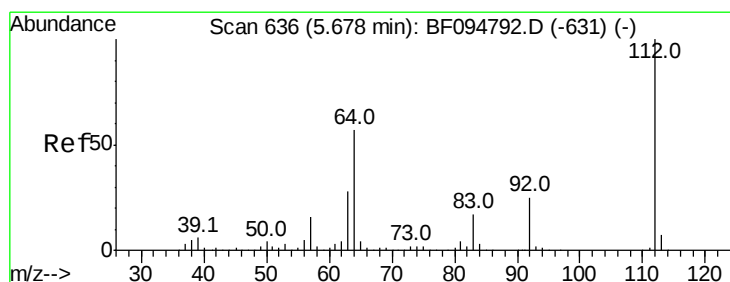
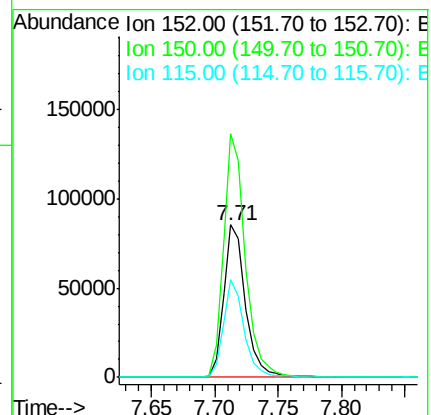
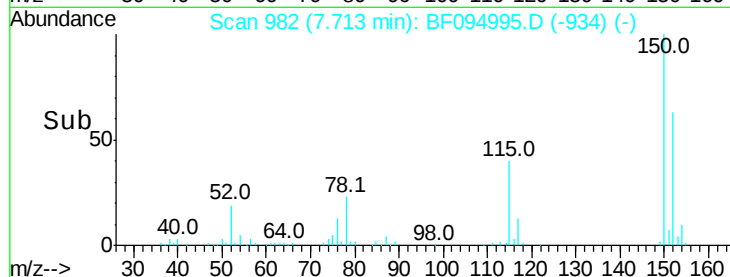
115 63.9 52.2 78.2



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: 151.21 ng

RT: 5.66 min Scan# 633

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

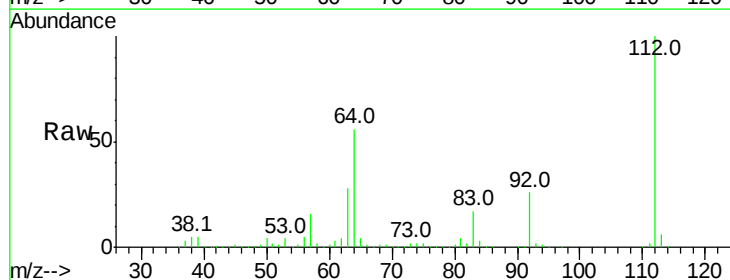
Tgt Ion:112 Resp: 932309

Ion Ratio Lower Upper

112 100

64 55.7 46.0 69.0

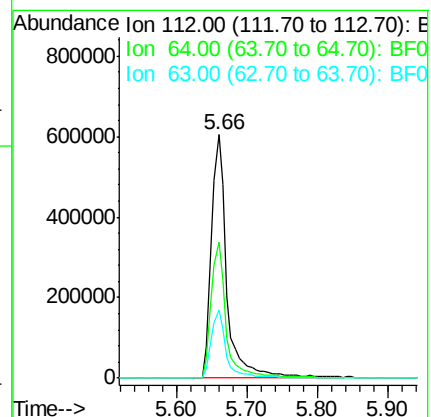
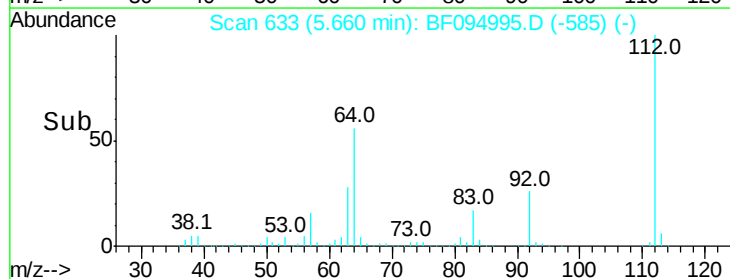
63 27.8 23.4 35.0

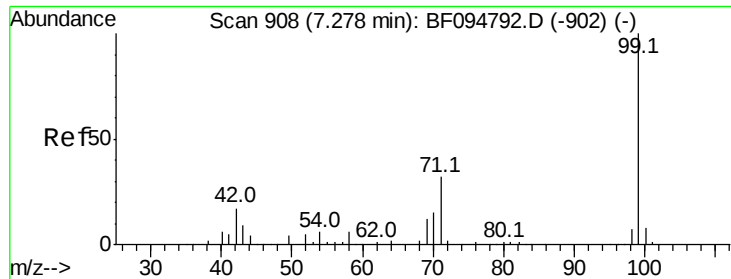


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 160.88 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

ClientSampled :

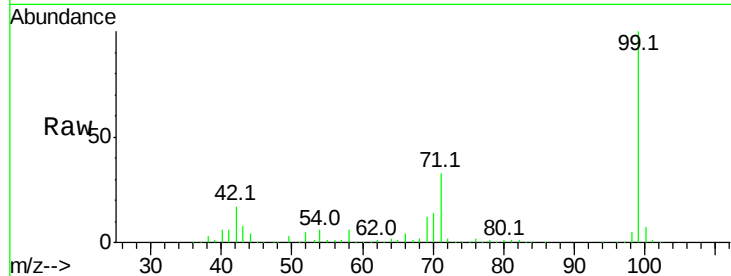
Tot Ion: 99 Resp: 1190176

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

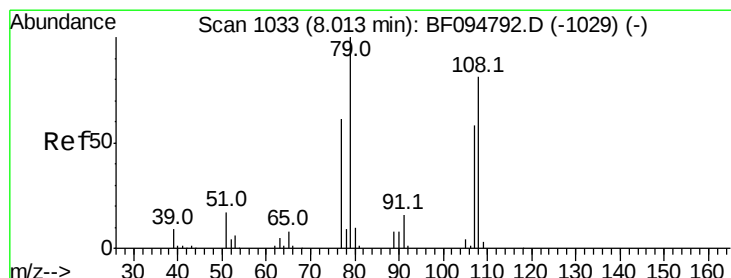
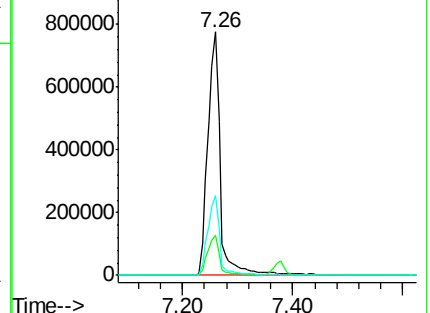
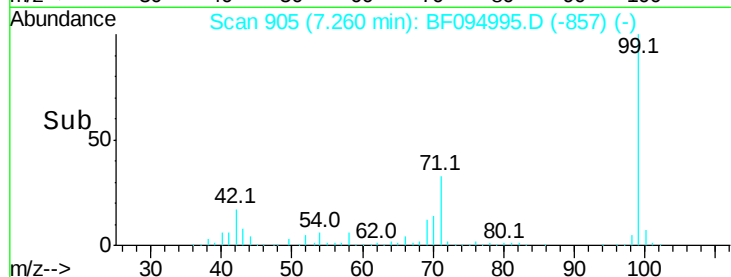
71 32.7 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 7.95 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

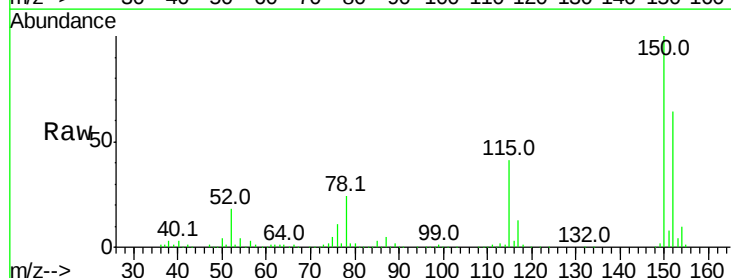
Tgt Ion: 79 Resp: 10655

Ion Ratio Lower Upper

79 100

108 29.2 63.4 95.0#

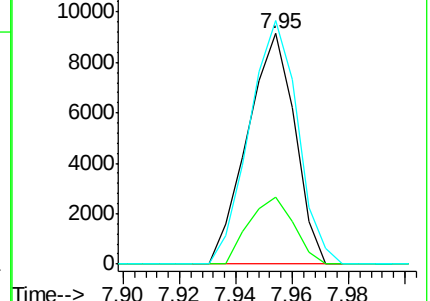
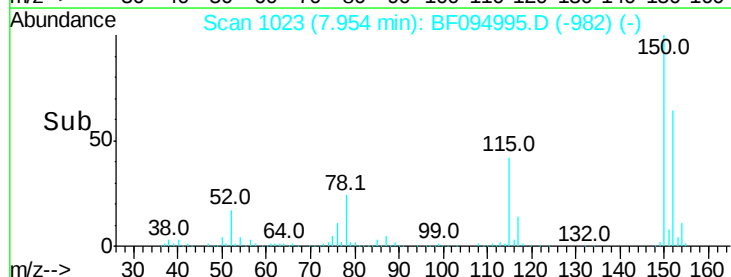
77 105.6 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

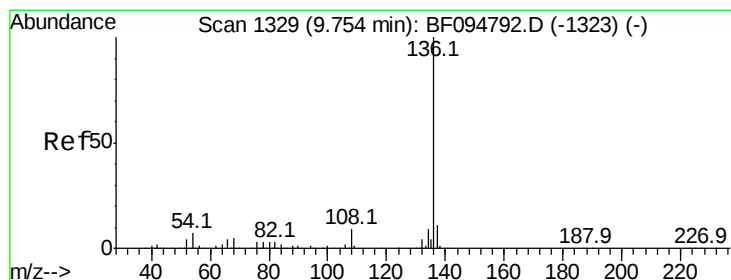
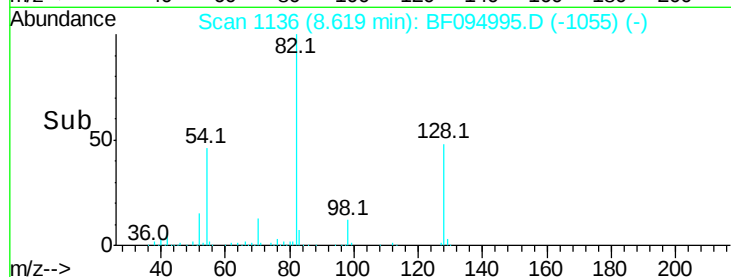
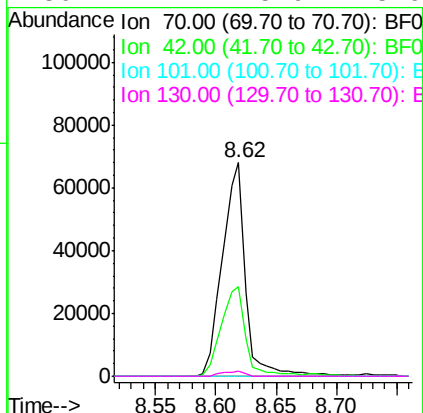
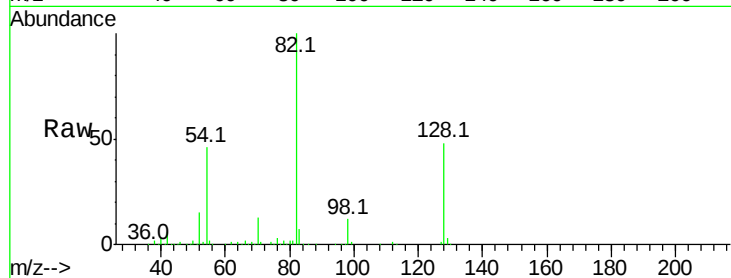




#19
n-Nitroso-di-n-propylamine
Concen: 17.97 ng
RT: 8.62 min Scan# 1136
Delta R.T. 0.18 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

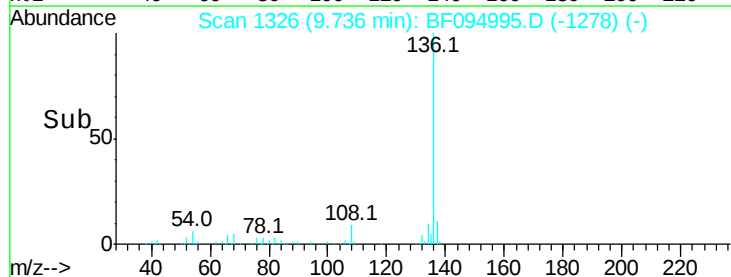
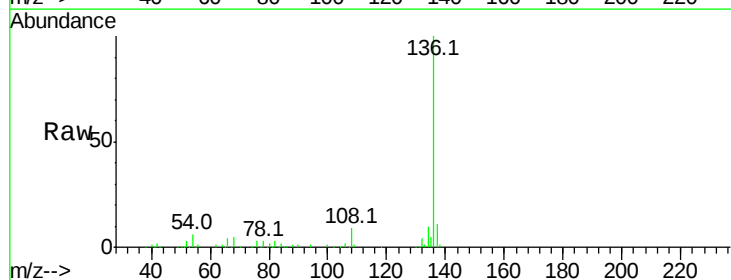
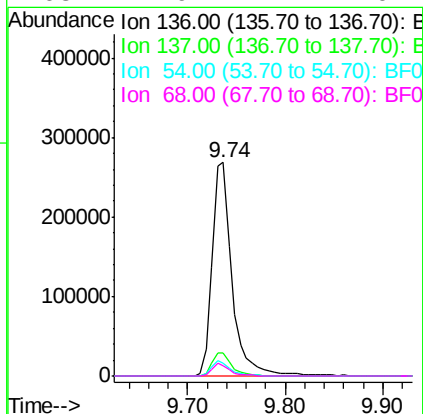
Instrument :
BNA_F
ClientSampled :

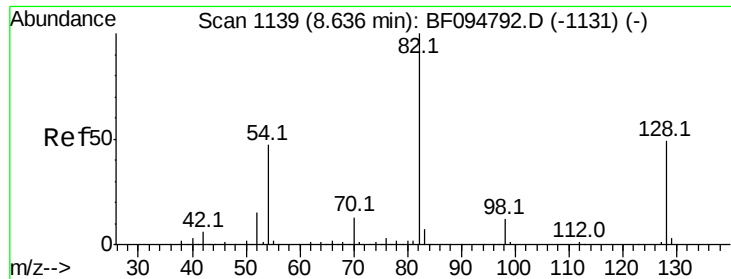
Tot Ion: 70 Resp: 89895
Ion Ratio Lower Upper
70 100
42 42.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion: 136 Resp: 378981
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.2 4.9 7.3
68 4.9 4.1 6.1

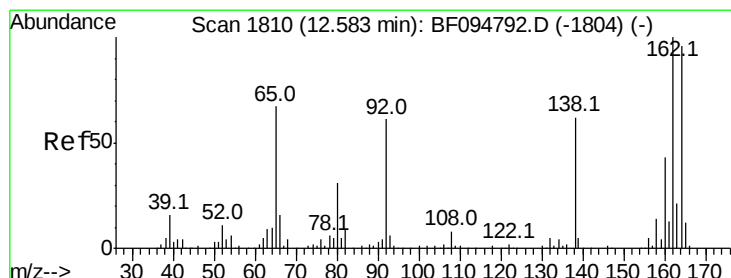
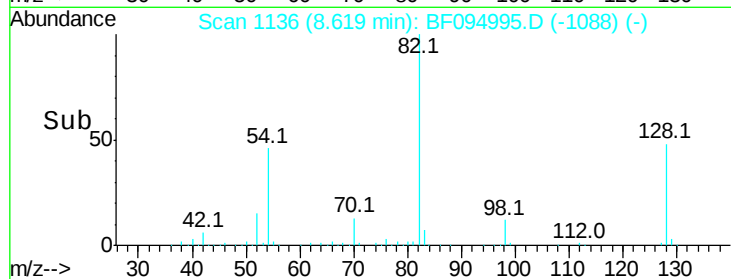
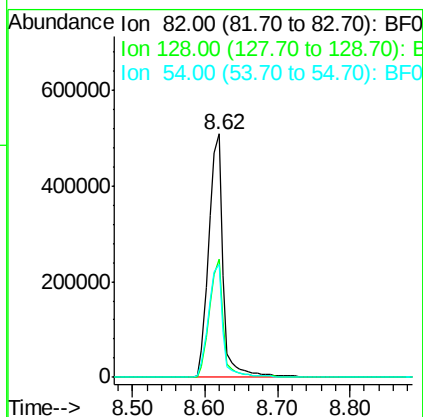
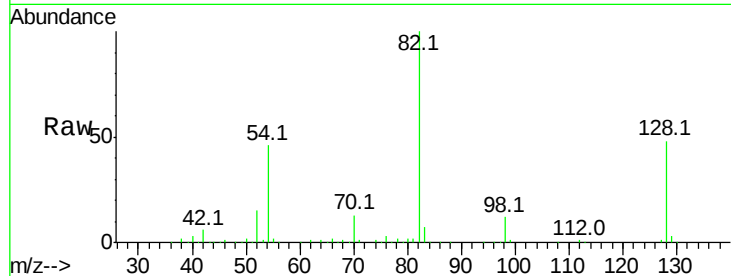




#23
 Nitrobenzene-d5
 Concen: 117.18 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

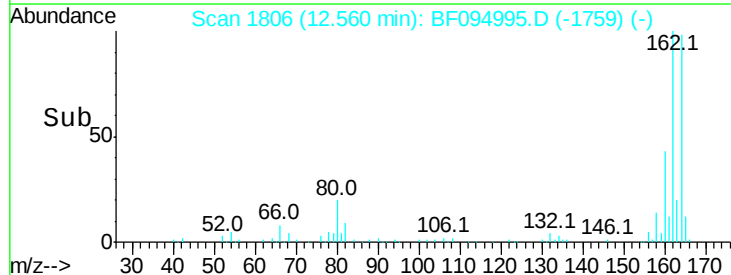
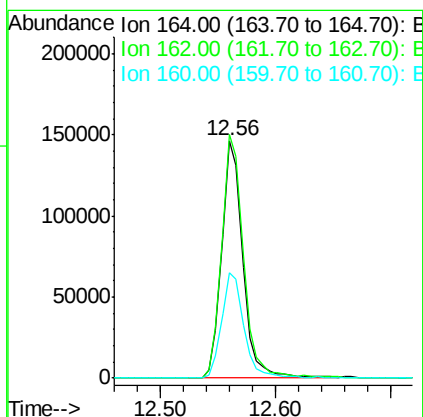
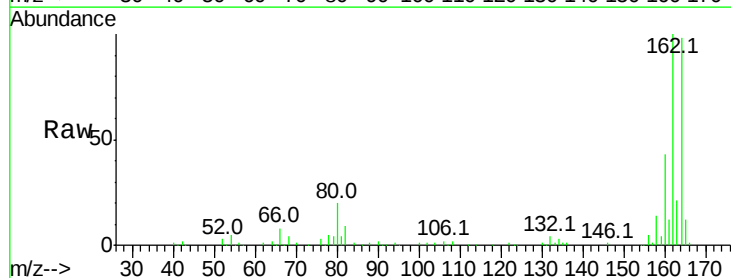
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 704233
 Ion Ratio Lower Upper
 82 100
 128 48.3 34.0 51.0
 54 46.4 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.56 min Scan# 1806
 Delta R.T. -0.02 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

Tgt Ion:164 Resp: 186729
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 44.1 36.2 54.2

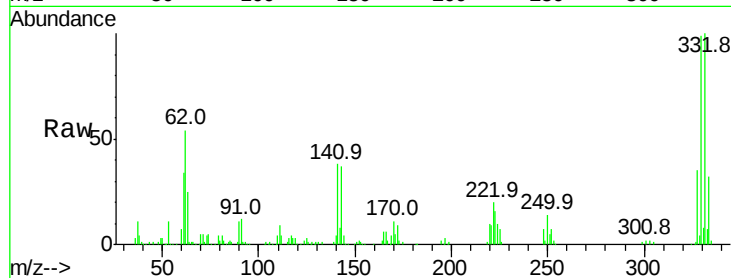




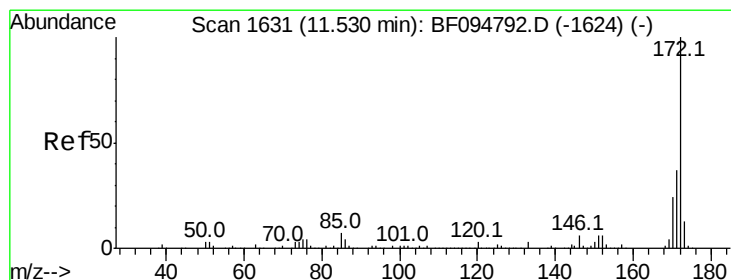
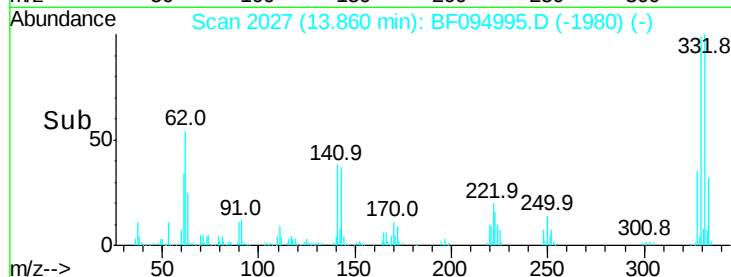
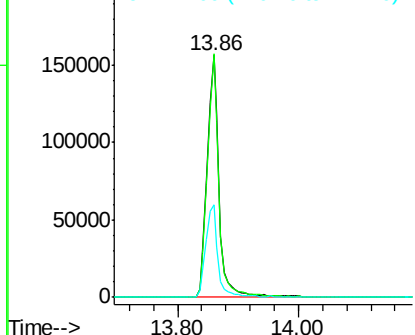
#41
 2,4,6-Tribromophenol
 Concen: 143.27 ng
 RT: 13.86 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	38.4	31.4	47.2

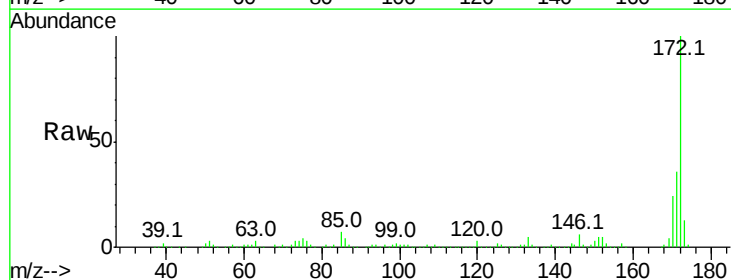


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

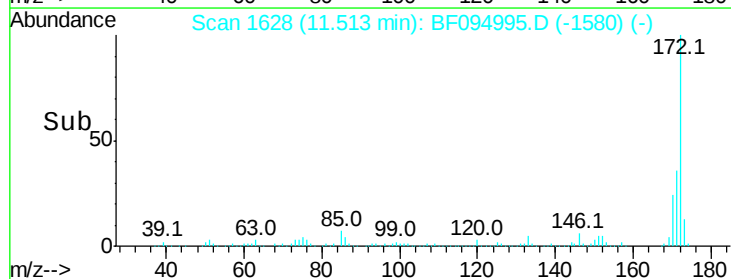
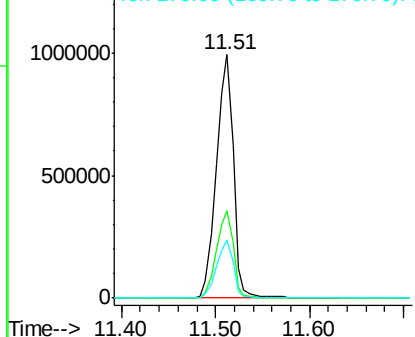


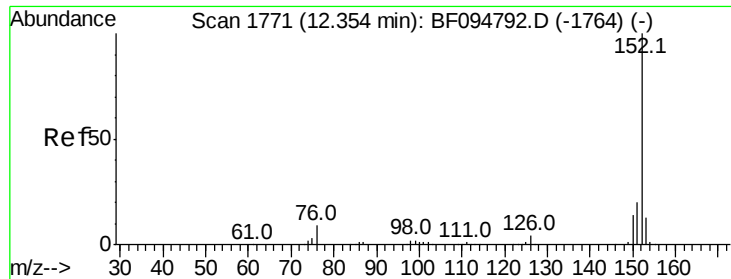
#44
 2-Fluorobiphenyl
 Concen: 97.52 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	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: 2.76 ng

RT: 12.34 min Scan# 1768

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

ClientSampleId :

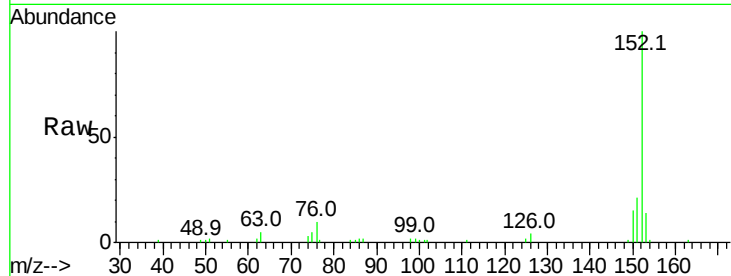
Tot Ion:152 Resp: 54824

Ion Ratio Lower Upper

152 100

151 20.8 16.8 25.2

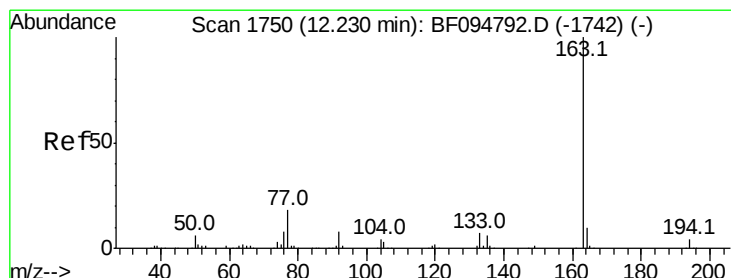
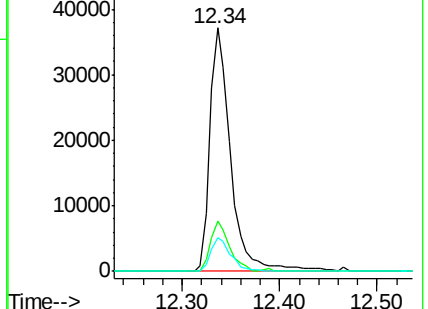
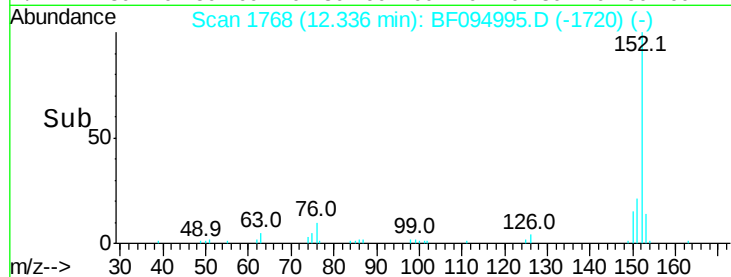
153 14.0 10.8 16.2



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: 7.77 ng

RT: 12.20 min Scan# 1745

Delta R.T. -0.03 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

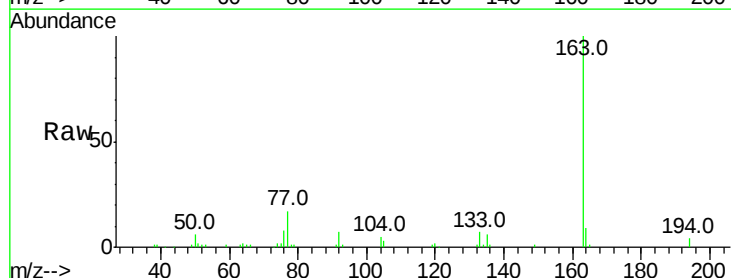
Tgt Ion:163 Resp: 119044

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

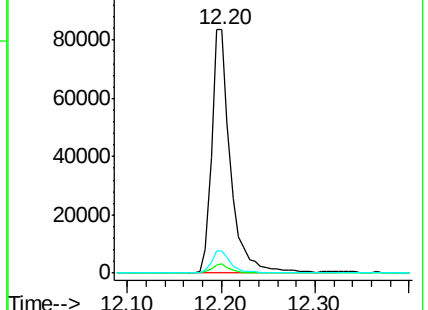
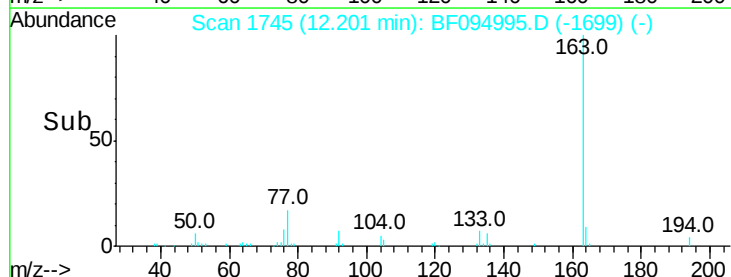
164 9.2 8.4 12.6

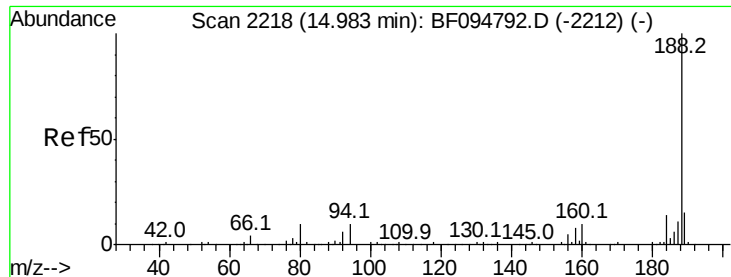


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

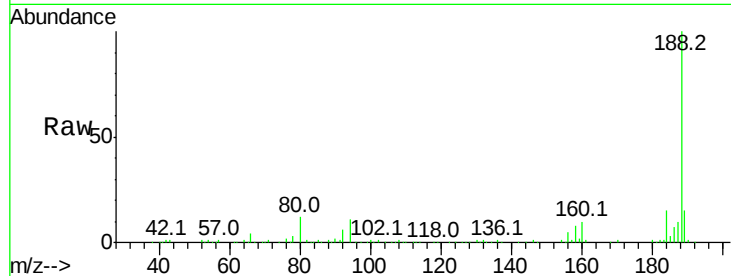




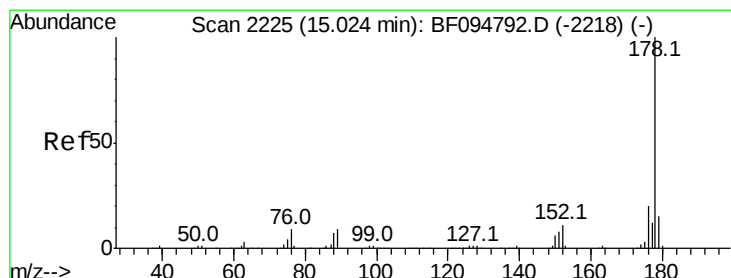
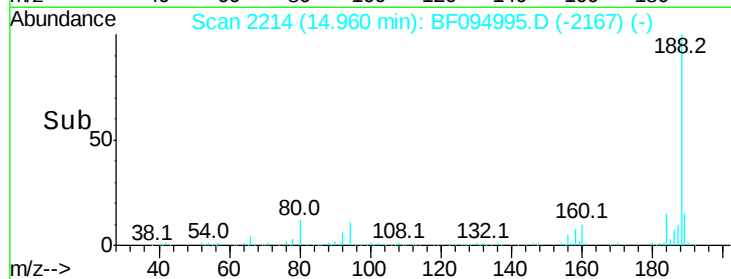
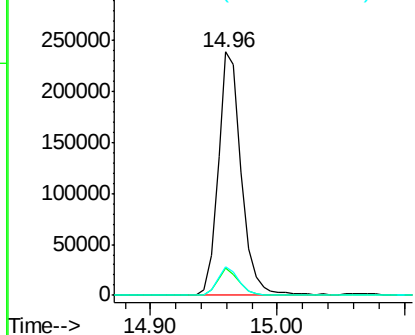
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 302802
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 11.6 10.2 15.2

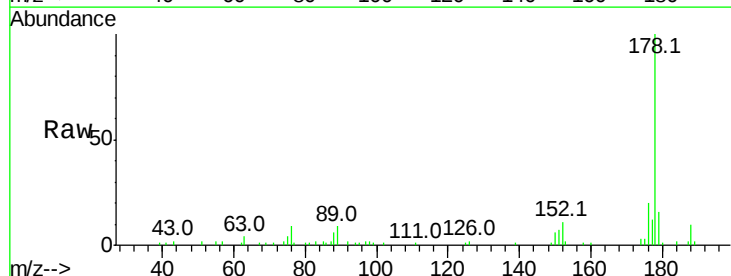


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

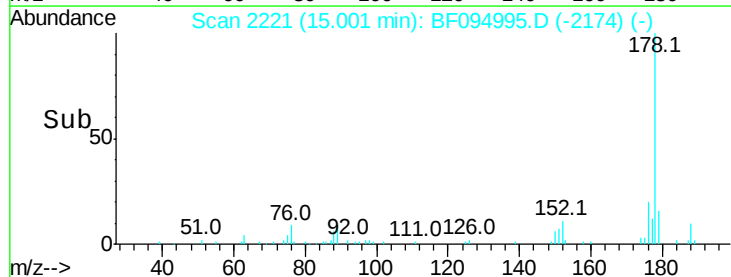
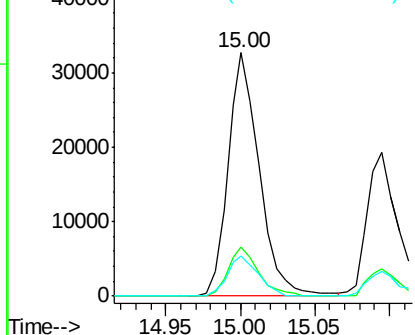


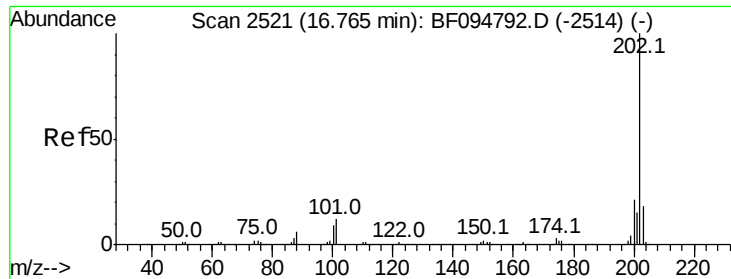
#70
Phenanthrene
Concen: 2.75 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion:178 Resp: 47856
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 16.3 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





#74

Fluoranthene

Concen: 14.17 ng

RT: 16.74 min Scan# 2517

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

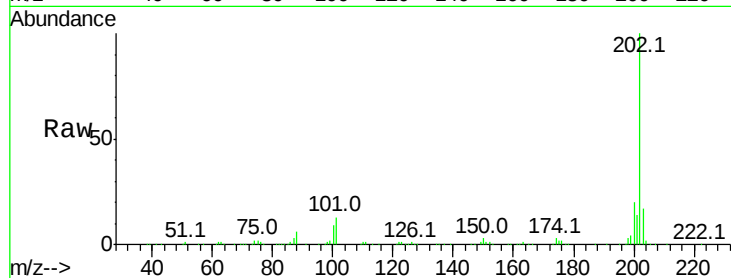
Instrument :

BNA_F

ClientSampled :

Tot Ion:202 Resp: 252940

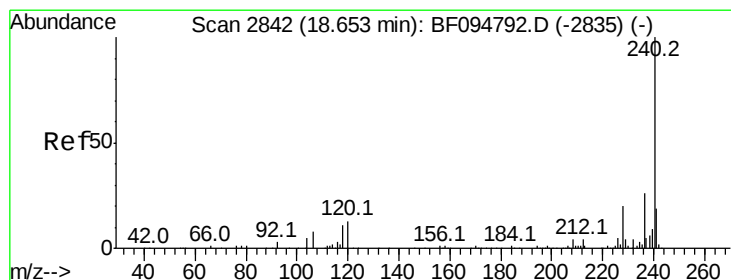
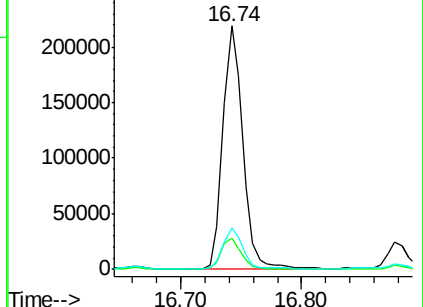
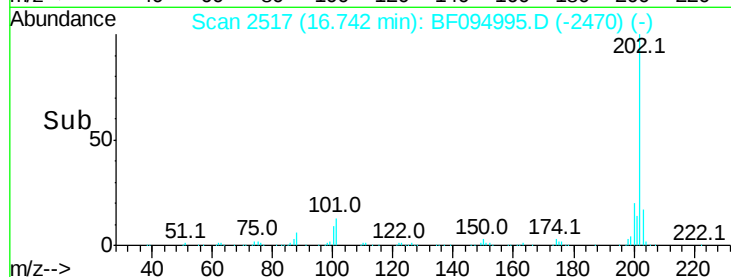
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.2	0.0	38.1



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: 18.63 min Scan# 2838

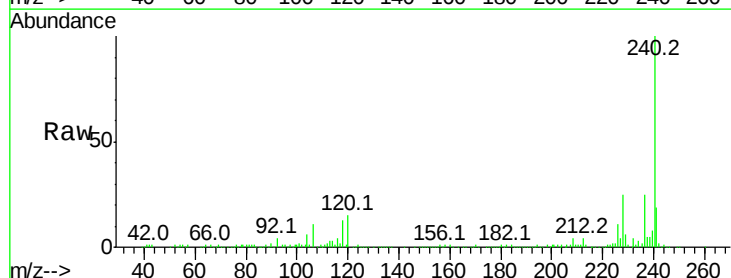
Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Tgt Ion:240 Resp: 193605

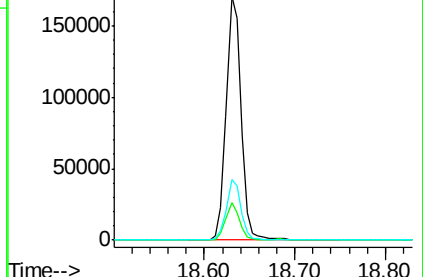
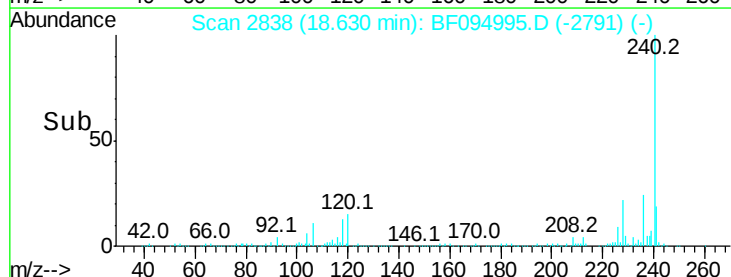
Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	24.6	20.5	30.7

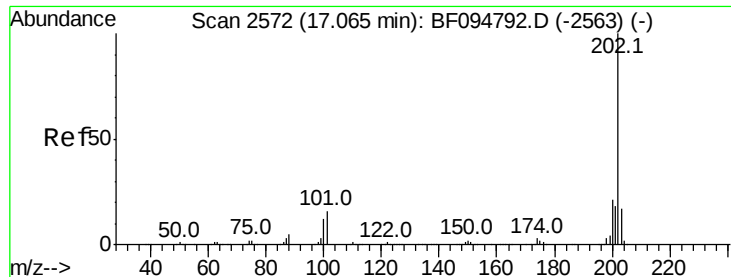


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

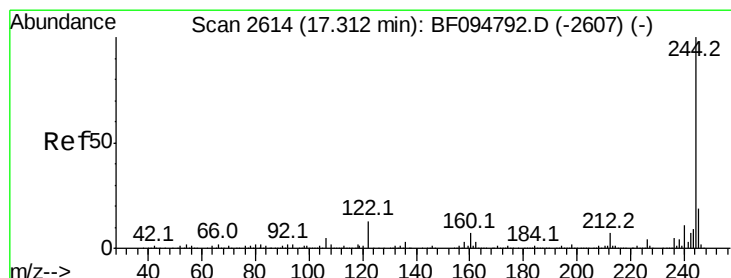
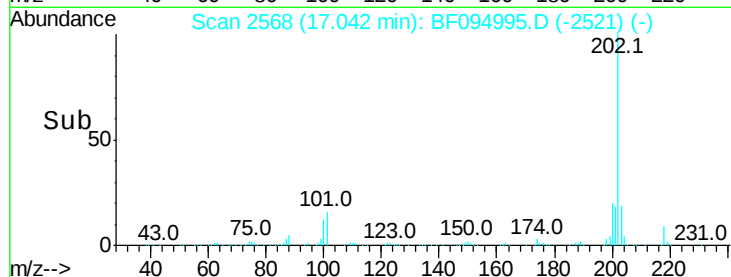
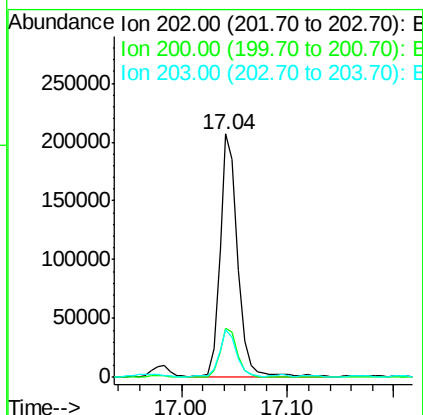
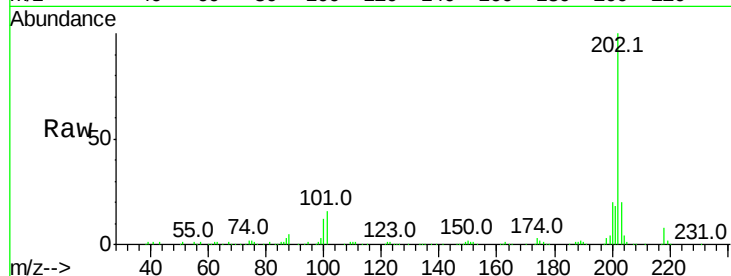




#77
Pvrene
Concen: 16.55 ng
RT: 17.04 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

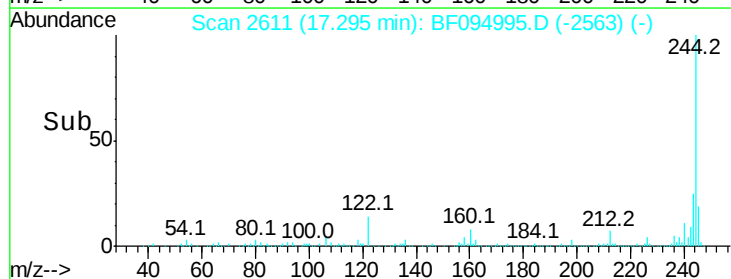
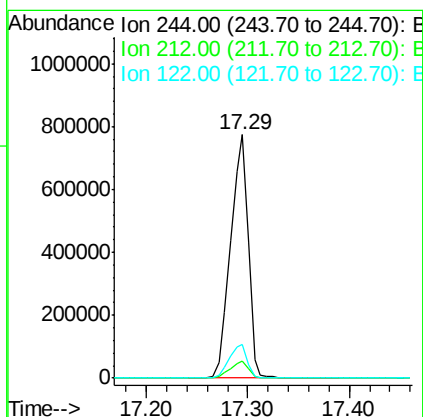
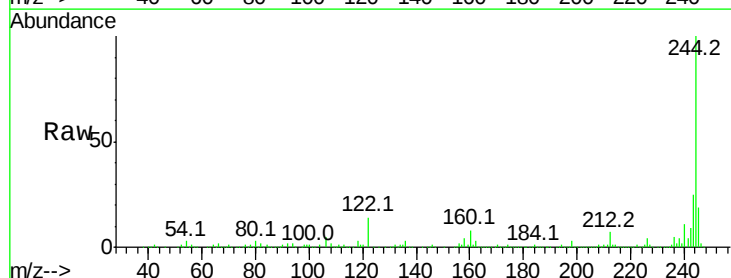
Instrument :
BNA_F
ClientSampleId :

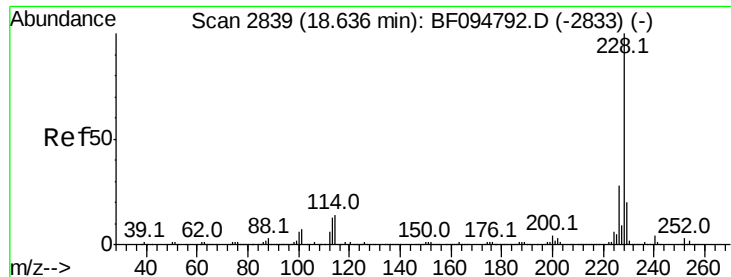
Tot Ion:202 Resp: 239701
Ion Ratio Lower Upper
202 100
200 20.2 17.6 26.4
203 19.5 14.4 21.6



#78
Terphenyl-d14
Concen: 107.04 ng
RT: 17.29 min Scan# 2611
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion:244 Resp: 940895
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 13.7 10.3 15.5





#80

Benzo(a)anthracene

Concen: 13.69 ng

RT: 18.67 min Scan# 2844

Delta R.T. 0.03 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

ClientSampleId :

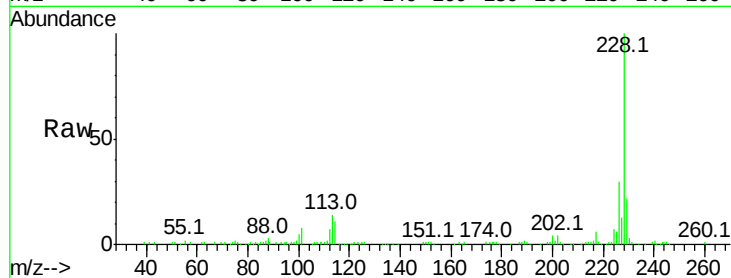
Tot Ion:228 Resp: 154219

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

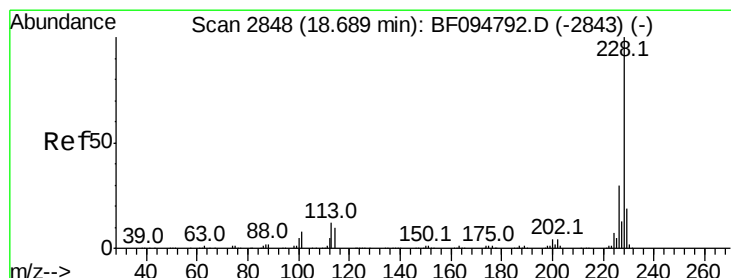
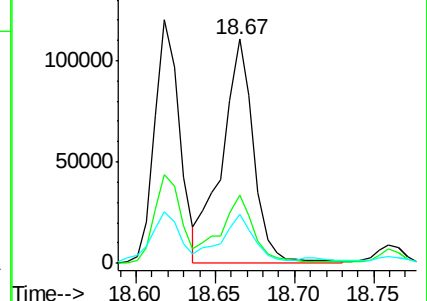
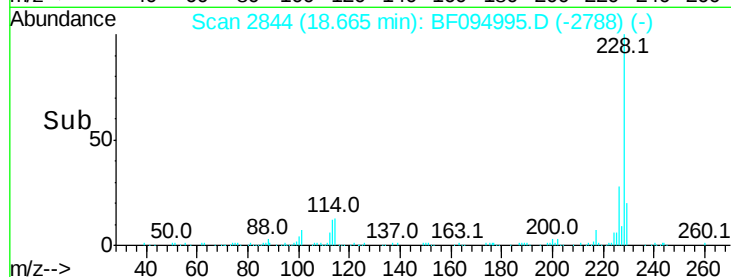
229 21.8 16.3 24.5



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: 14.15 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

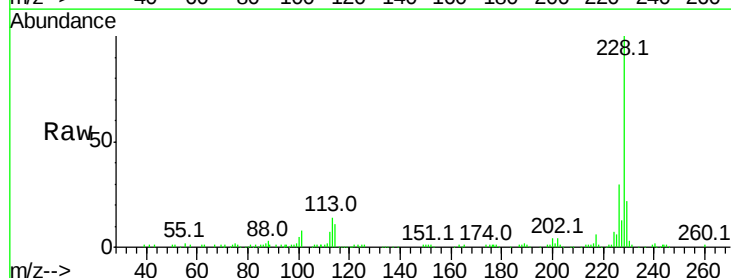
Tgt Ion:228 Resp: 154219

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

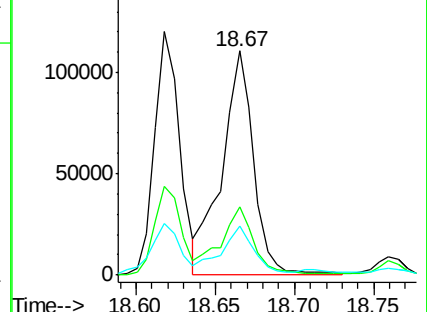
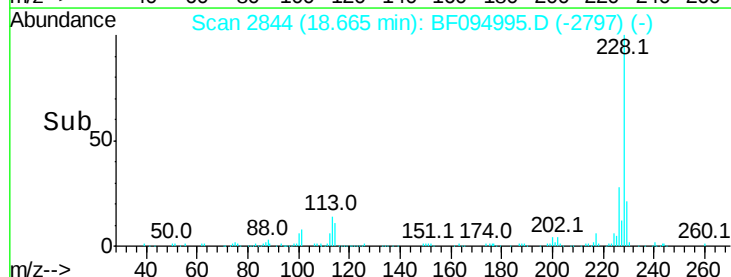
229 21.8 15.8 23.6

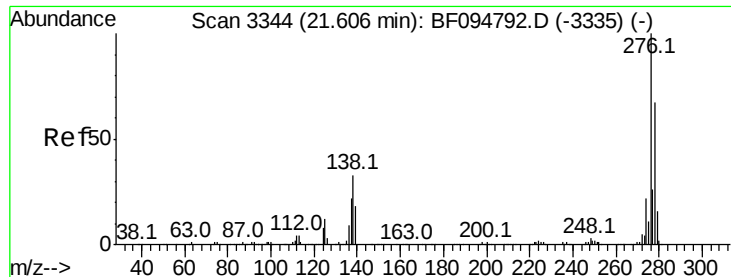


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

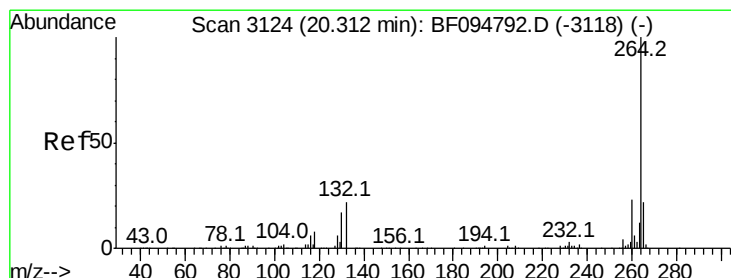
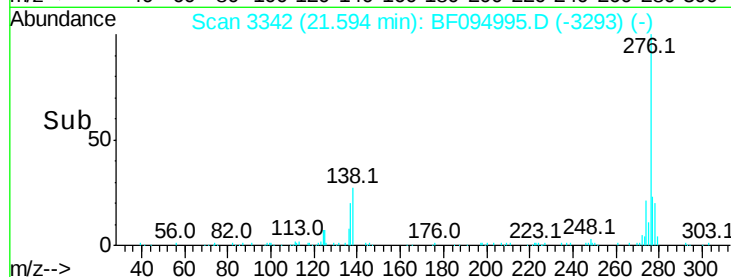
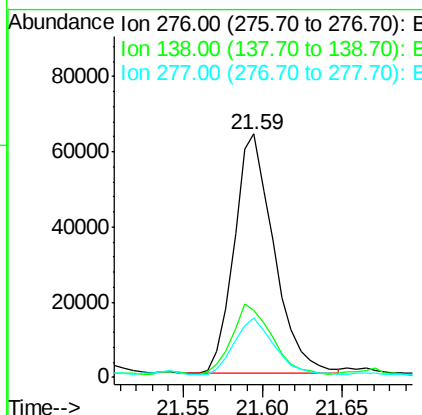
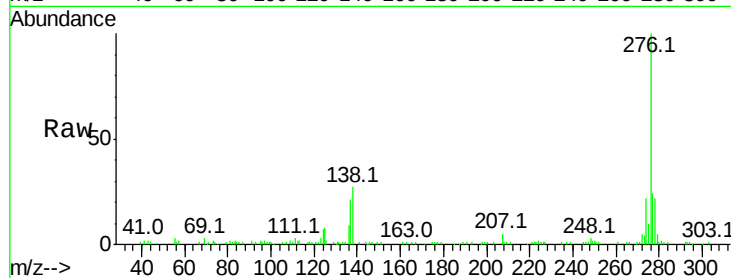




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.49 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

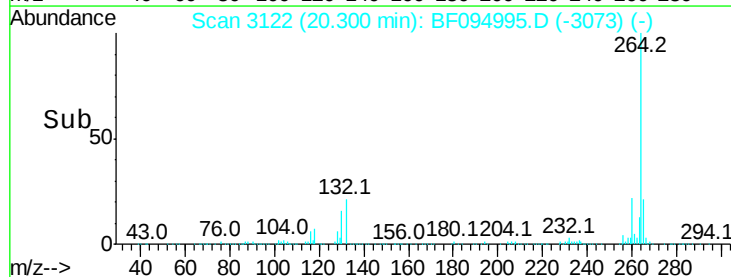
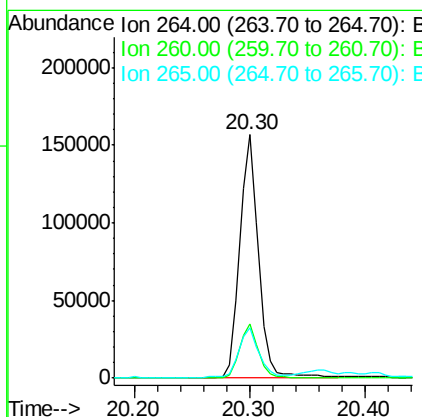
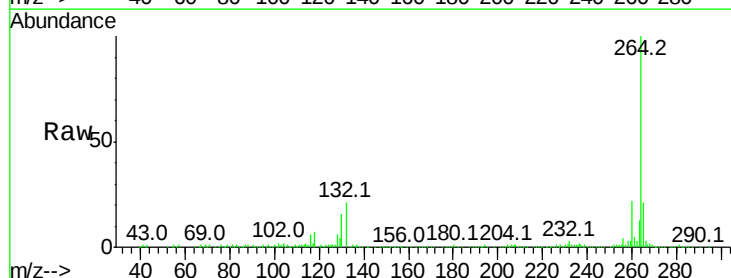
Instrument :
 BNA_F
 ClientSampleId :

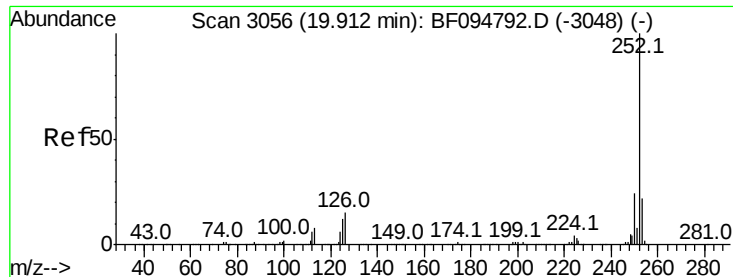
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.8	41.6
277	23.9	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094995.D
 Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.5	29.3
265	20.8	17.2	25.8

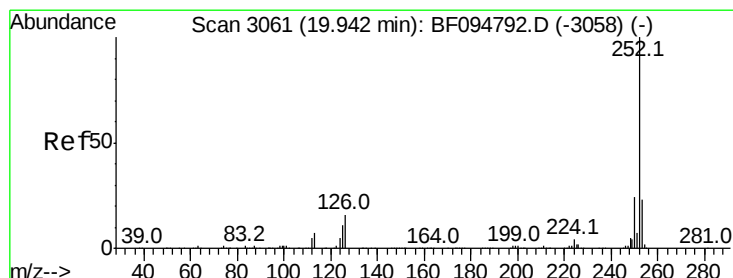
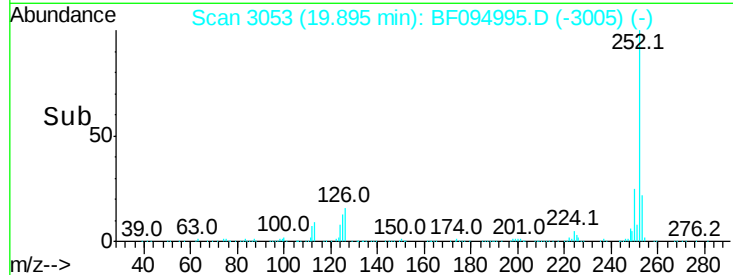
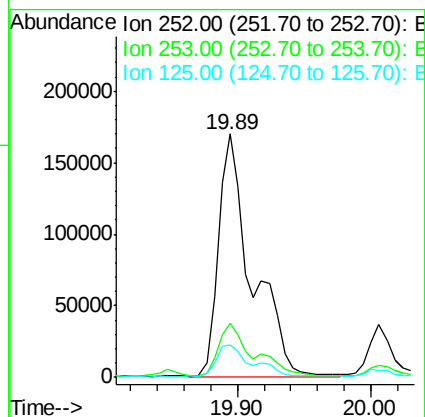
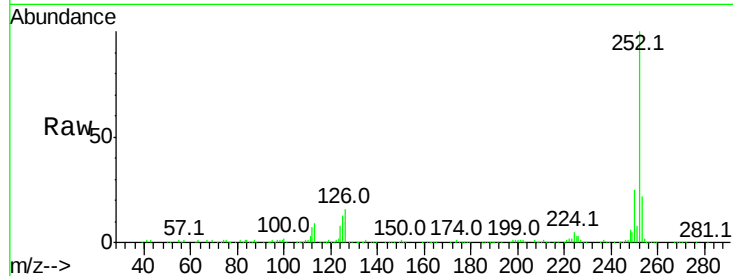




#87
Benzo(b)fluoranthene
Concen: 26.82 ng
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

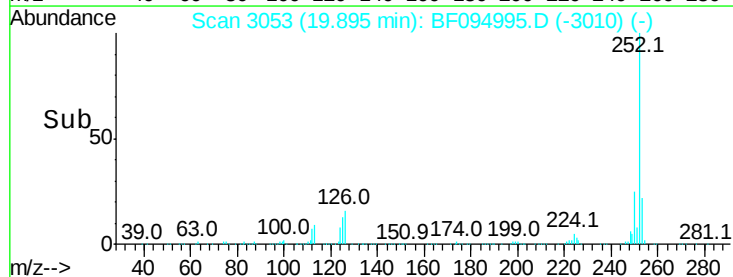
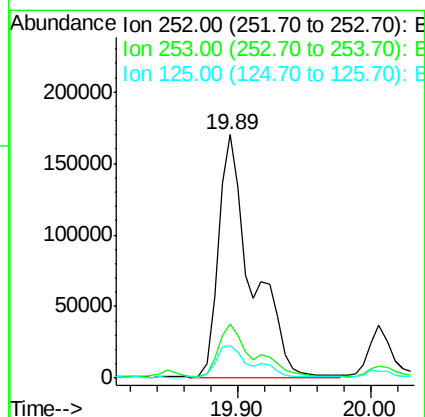
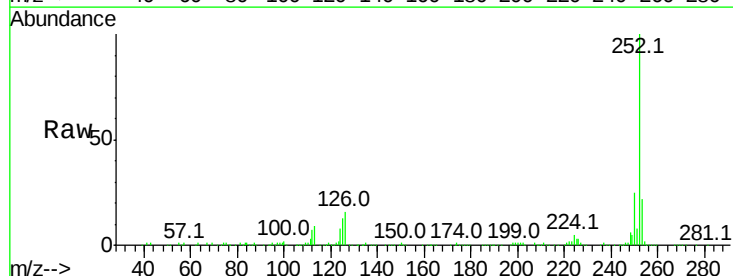
Instrument :
BNA_F
ClientSampleId :

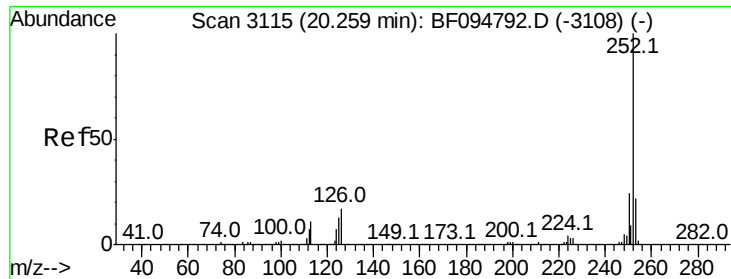
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.3	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 27.80 ng
RT: 19.89 min Scan# 3053
Delta R.T. -0.05 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	13.3	13.1	19.7

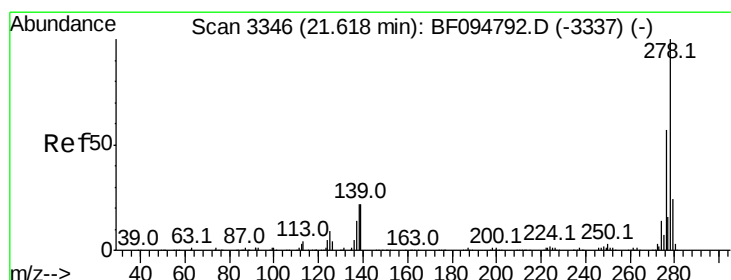
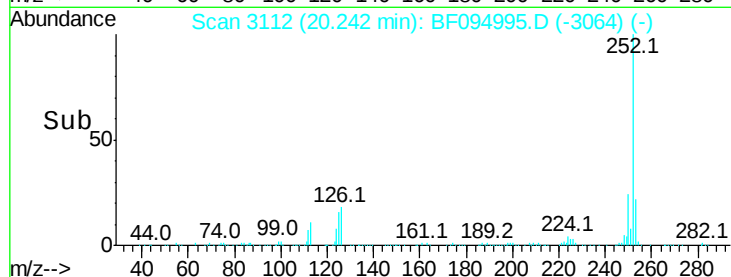
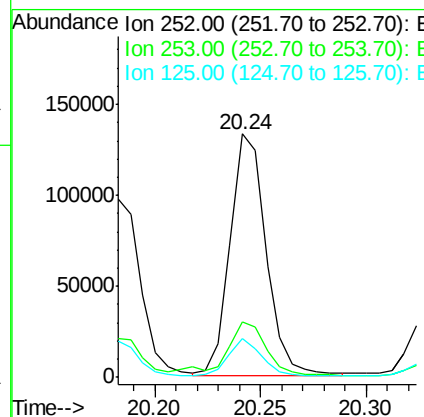
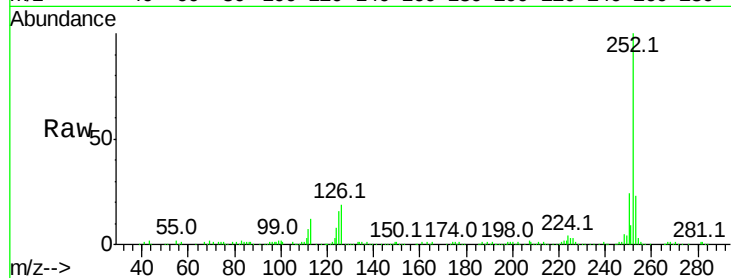




#89
Benzo(a)pyrene
Concen: 15.37 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

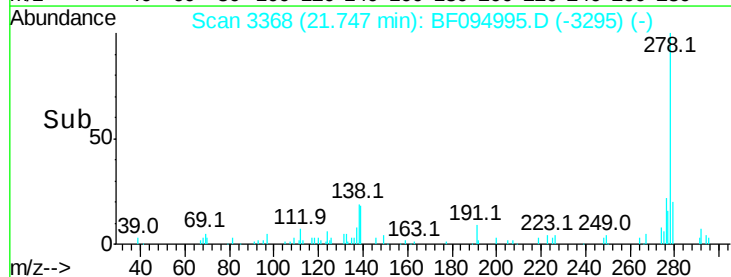
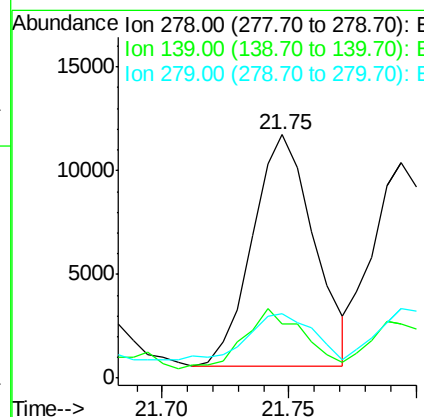
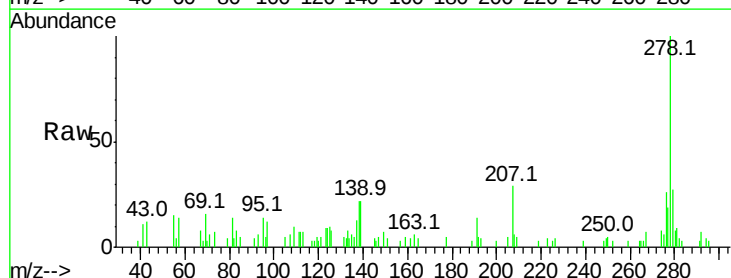
Instrument :
BNA_F
ClientSampleId :

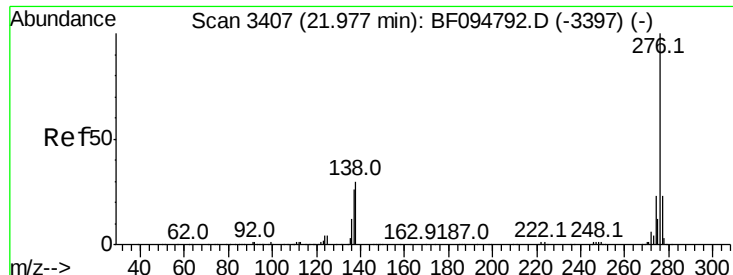
Tot Ion:252 Resp: 156328
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 16.0 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 2.25 ng
RT: 21.75 min Scan# 3368
Delta R.T. 0.13 min
Lab File: BF094995.D
Acq: 8 May 2017 23:18

Tgt Ion:278 Resp: 18899
Ion Ratio Lower Upper
278 100
139 22.0 16.6 24.8
279 26.6 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 12.47 ng

RT: 21.96 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF094995.D

Acq: 8 May 2017 23:18

Instrument :

BNA_F

ClientSampleId :

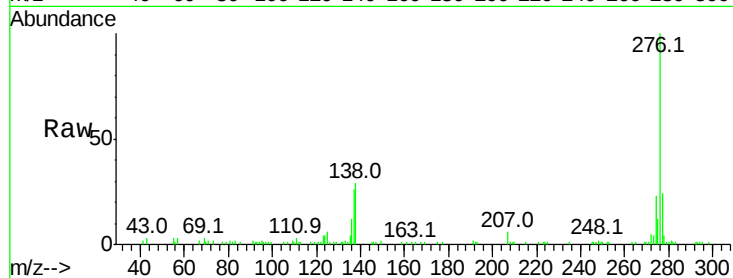
Tot Ion:276 Resp: 102730

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 28.6 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

