

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094372.D
 Acq On : 12 Apr 2017 1:22
 Operator : SJ/MA
 Sample : I2622-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 03:57:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	129241	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	460295	20.00	ng	-0.02
38) Acenaphthene-d10	9.47	164	186833	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	312338	20.00	ng	-0.02
75) Chrysene-d12	14.56	240	256051	20.00	ng	-0.01
86) Perylene-d12	16.19	264	204461	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1085311	141.84	ng	0.01
7) Phenol-d6	5.47	99	1382066	146.00	ng	0.01
23) Nitrobenzene-d5	6.49	82	839248	104.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	216407	146.58	ng	-0.01
44) 2-Fluorobiphenyl	8.66	172	1251873	102.20	ng	-0.02
78) Terphenyl-d14	13.29	244	876117	76.70	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	5.49	94	245844	22.82	ng	88
15) Benzyl Alcohol	6.01	79	14924	2.15	ng	# 45
17) 2-Methylphenol	6.16	107	155349	21.57	ng	95
20) 3+4-Methylphenols	6.35	107	360812	41.36	ng	# 63
22) Acetophenone	6.29	105	65441	6.38	ng	# 48
27) 2,4-Dimethylphenol	6.98	122	206847	31.64	ng	# 94
31) Naphthalene	7.36	128	1195919	54.03	ng	100
32) Benzoic acid	7.11	122	226133	51.97	ng	# 26
33) 4-Chloroaniline	7.43	127	38514	4.29	ng	96
35) Caprolactam	7.89	113	26686	13.69	ng	# 4
37) 2-Methylnaphthalene	8.21	142	554135	37.56	ng	99
42) 2,4,6-Trichlorophenol	8.63	196	13816	3.82	ng	98
43) 2,4,5-Trichlorophenol	8.63	196	13816	3.53	ng	# 1
45) 1,1'-Biphenyl	8.77	154	166410	11.04	ng	97
46) 2-Chloronaphthalene	8.80	162	28130	2.38	ng	# 61
49) Dimethylphthalate	9.16	163	259796	19.56	ng	99
51) Acenaphthene	9.52	154	375982	32.87	ng	98
53) 2,4-Dinitrophenol	9.59	184	150	4.75	ng	# 1
54) Dibenzofuran	9.73	168	489140	31.41	ng	97
55) 4-Nitrophenol	9.67	139	6322	2.26	ng	# 43
57) Fluorene	10.16	166	430909	33.37	ng	96
65) n-Nitrosodiphenylamine	10.31	169	71591	6.63	ng	# 70
69) Pentachlorophenol	11.09	266	4212	2.18	ng	92
70) Phenanthrene	11.34	178	1641141	94.46	ng	99
71) Anthracene	11.40	178	326991	18.28	ng	97
72) Carbazole	11.60	167	165760	9.04	ng	98
74) Fluoranthene	12.80	202	1235108	69.42	ng	100
77) Pyrene	13.08	202	1017924	54.78	ng	99
80) Benzo(a)anthracene	14.55	228	331659	22.21	ng	100
82) Chrysene	14.59	228	321178	23.18	ng	98
85) Indeno(1,2,3-cd)pyrene	17.50	276	115884	9.66	ng	93
87) Benzo(b)fluoranthene	15.79	252	397881	31.75	ng	98
88) Benzo(k)fluoranthene	15.79	252	397881	32.45	ng	97
89) Benzo(a)pyrene	16.13	252	217489	18.84	ng	95

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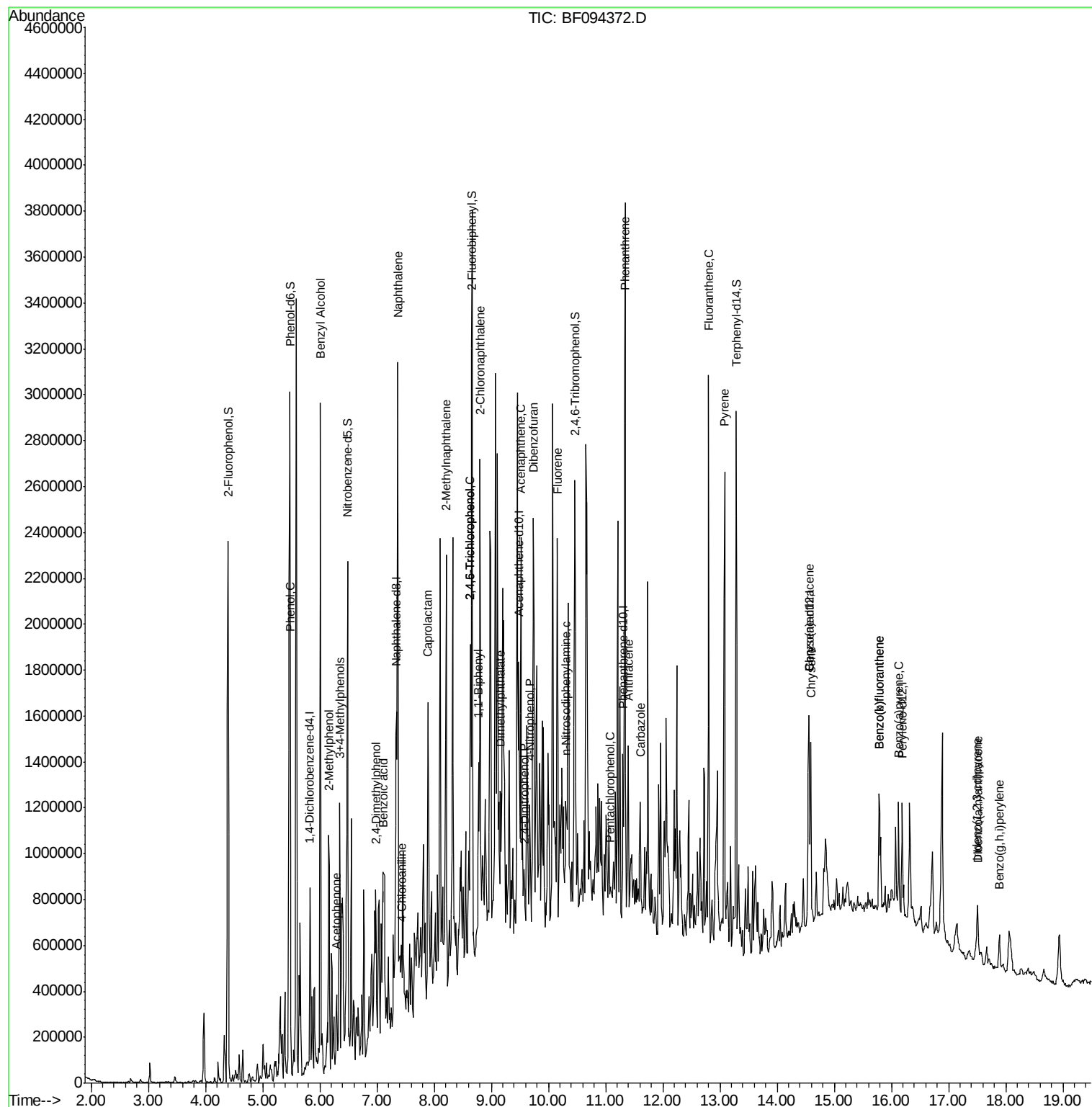
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	17.52	278	30959	3.17	ng	# 82
91) Benzo(g,h,i)perylene	17.89	276	117605	11.94	ng	95

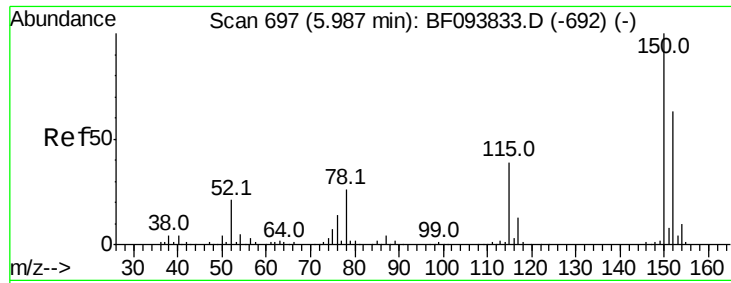
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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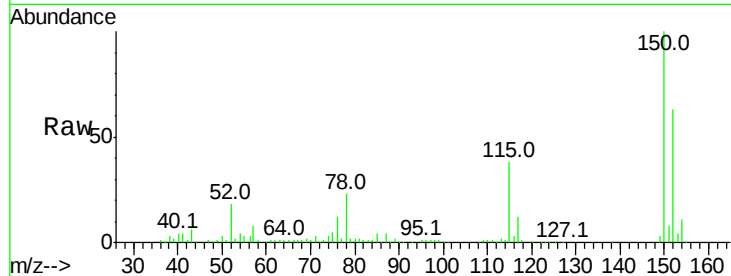


#1

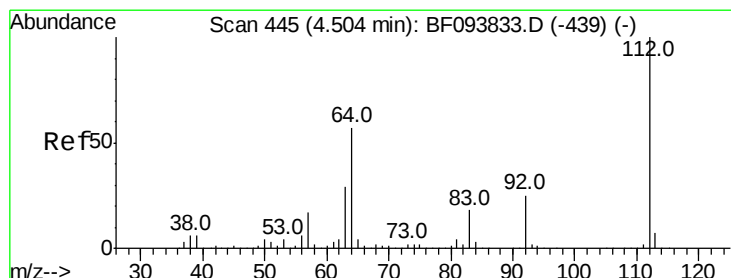
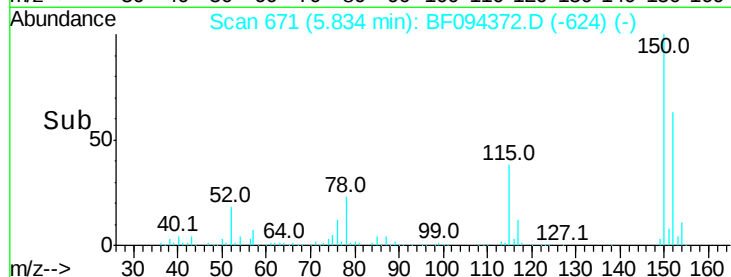
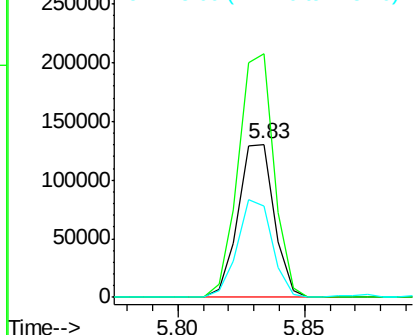
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129241
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 59.8 52.2 78.2



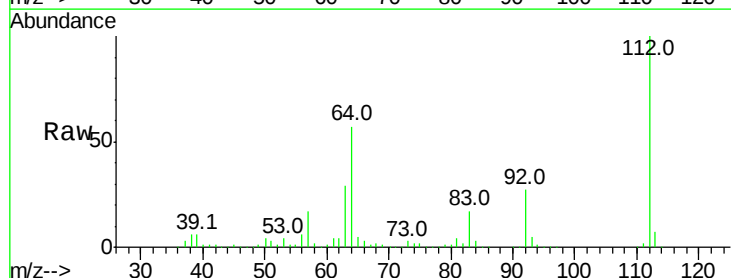
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



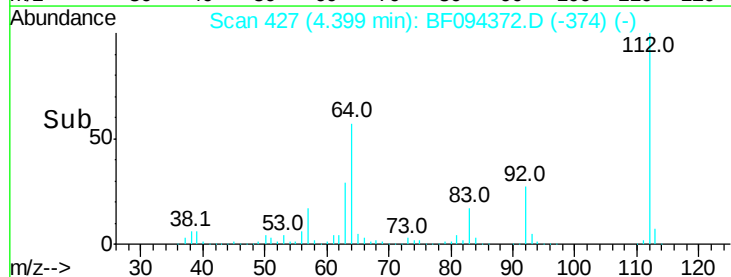
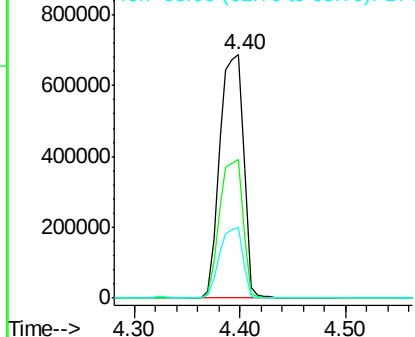
#5

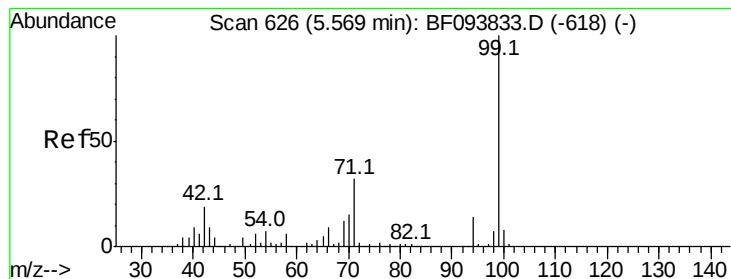
2-Fluorophenol
Concen: 141.84 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

Tgt Ion:112 Resp: 1085311
Ion Ratio Lower Upper
112 100
64 56.9 46.0 69.0
63 29.2 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: 146.00 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

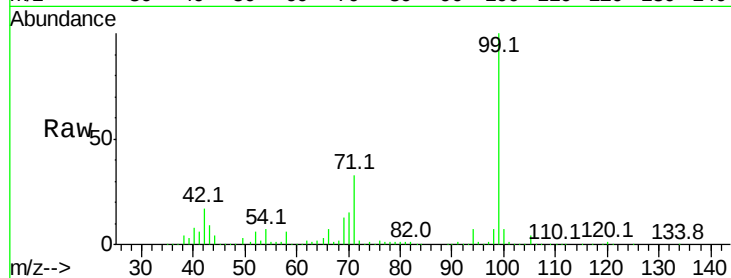
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1382066

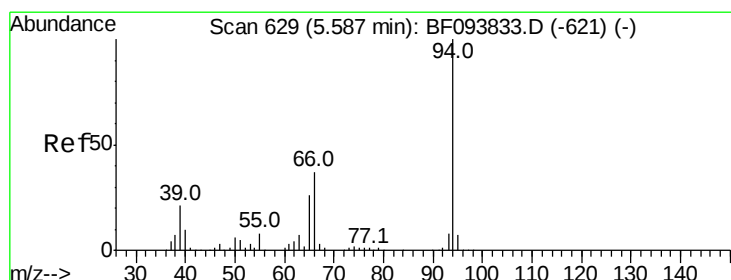
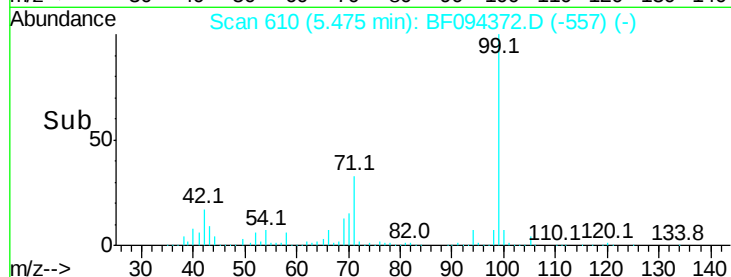
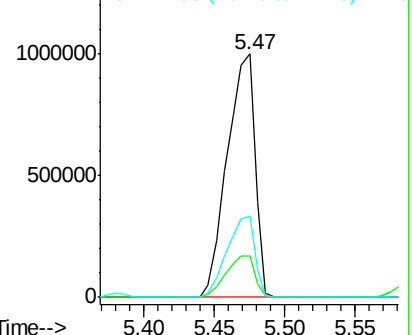
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.5	20.3
71	33.4	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 22.82 ng

RT: 5.49 min Scan# 612

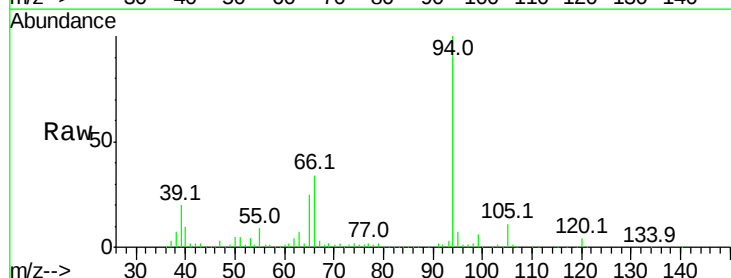
Delta R.T. 0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Tgt Ion: 94 Resp: 245844

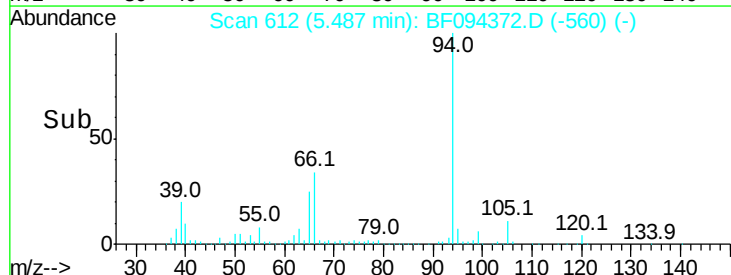
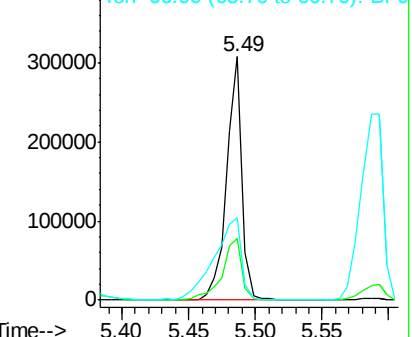
Ion	Ratio	Lower	Upper
94	100		
65	25.4	9.9	49.9
66	33.8	23.1	63.1

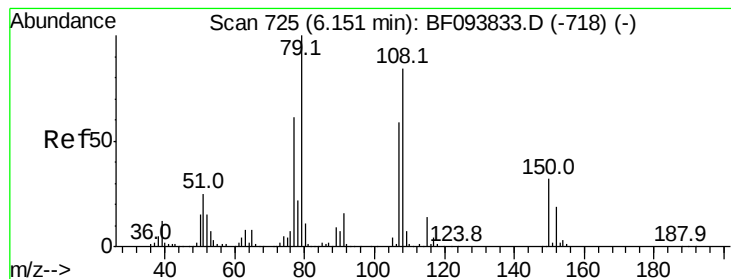


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.15 ng

RT: 6.01 min Scan# 701

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampled :

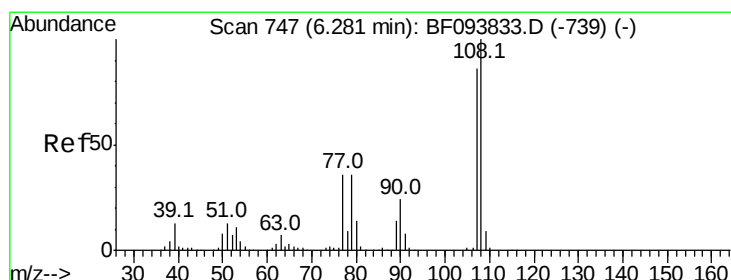
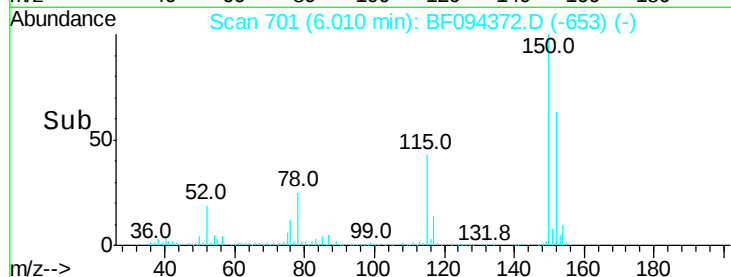
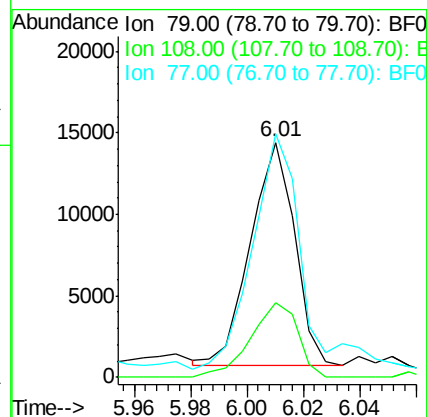
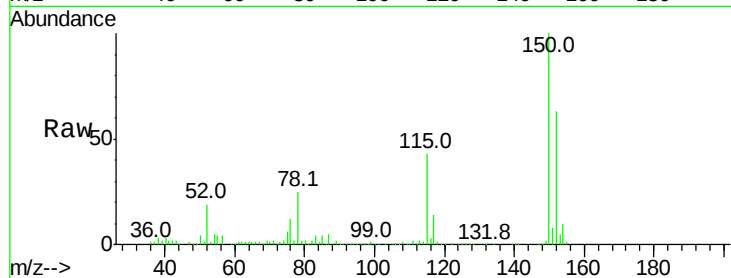
Tot Ion: 79 Resp: 14924

Ion Ratio Lower Upper

79 100

108 31.8 63.4 95.0#

77 103.8 49.2 73.8#



#17

2-Methylphenol

Concen: 21.57 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Tgt Ion: 107 Resp: 155349

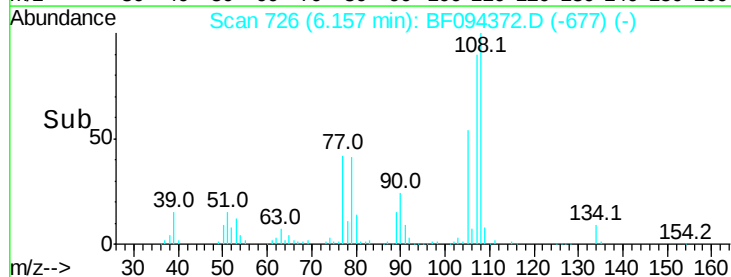
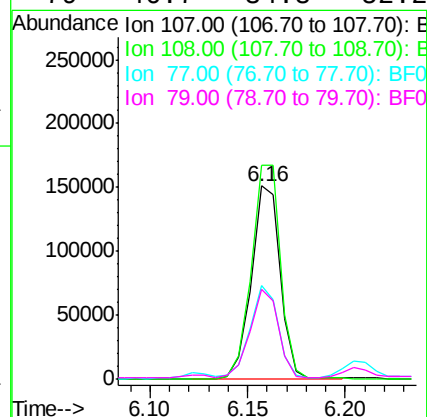
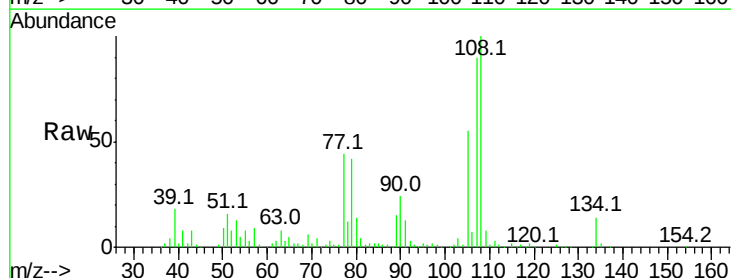
Ion Ratio Lower Upper

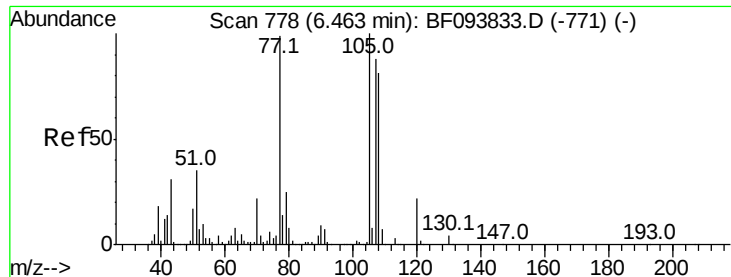
107 100

108 110.8 93.4 140.0

77 48.3 35.8 53.6

79 46.7 34.8 52.2





#20

3+4-Methylphenols

Concen: 41.36 ng

RT: 6.35 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF094372.D

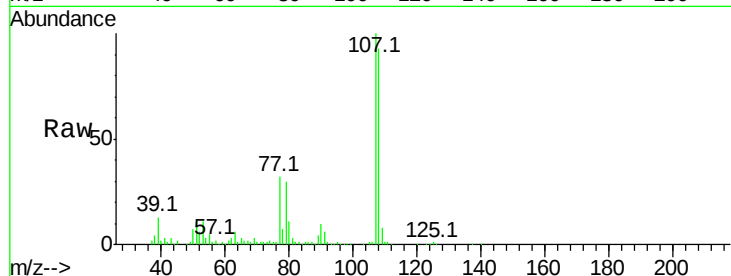
Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	360812
Ion	Ratio	Lower	Upper
107	100		
108	92.5	71.0	111.0
77	32.1	90.5	130.5#
79	29.9	8.4	48.4



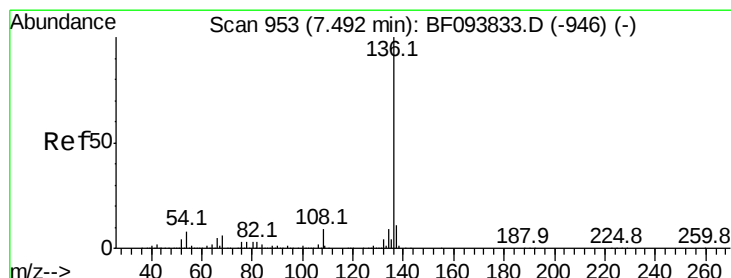
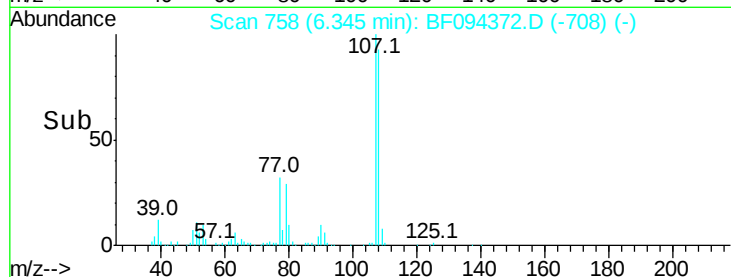
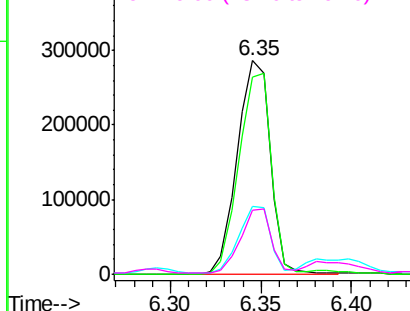
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

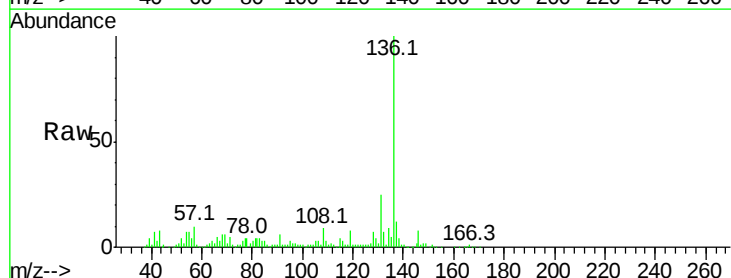
RT: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Tgt Ion:	136	Resp:	460295
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	7.3	4.9	7.3
68	5.8	4.1	6.1



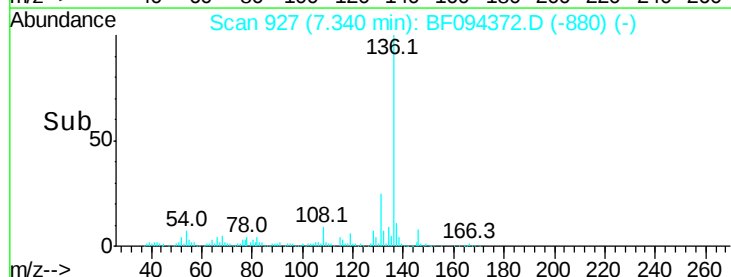
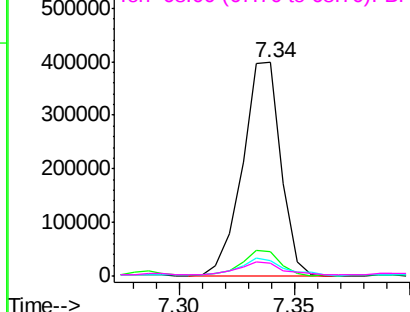
Abundance

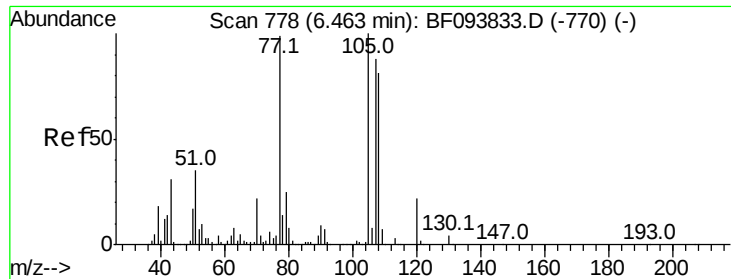
Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 6.38 ng

RT: 6.29 min Scan# 749

Delta R.T. -0.04 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 65441

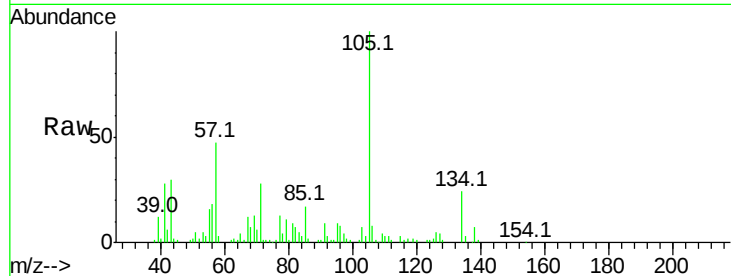
Ion Ratio Lower Upper

105 100

71 27.6 2.8 4.2#

51 5.3 30.7 46.1#

120 0.9 17.4 26.0#



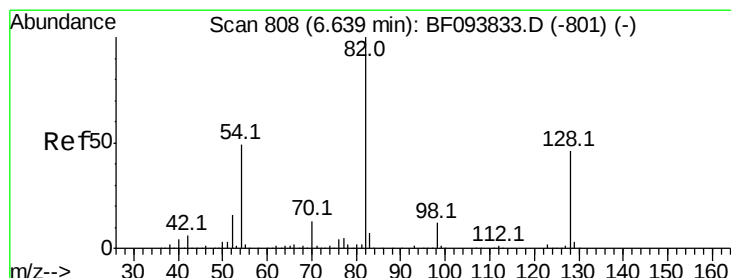
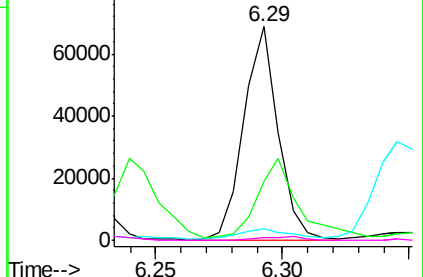
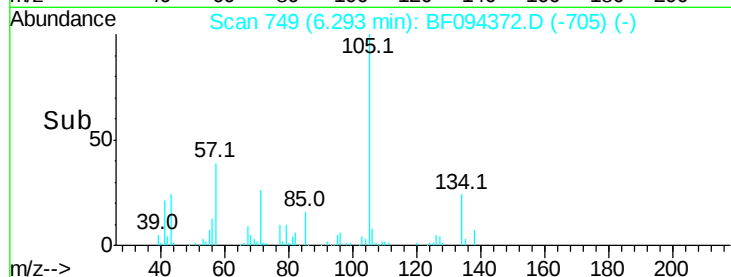
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 104.05 ng

RT: 6.49 min Scan# 782

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

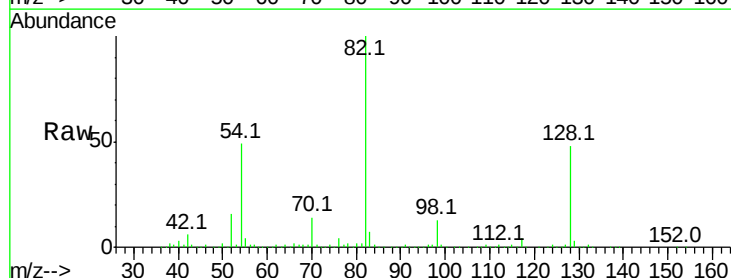
Tgt Ion: 82 Resp: 839248

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

54 49.1 42.2 63.2

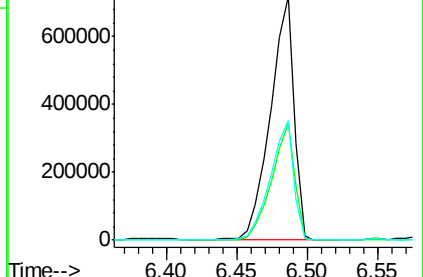
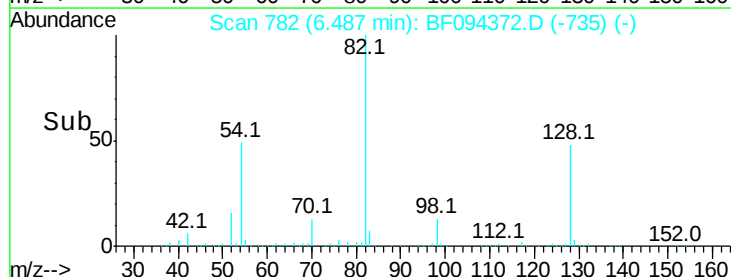


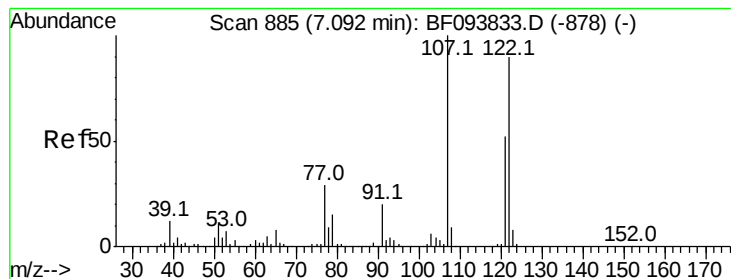
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#27

2,4-Dimethylphenol

Concen: 31.64 ng

RT: 6.98 min Scan# 866

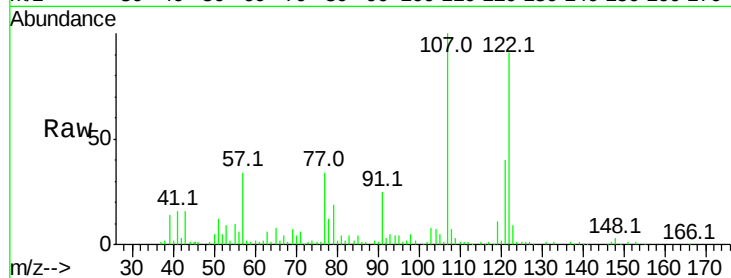
Delta R.T. 0.01 min

Lab File: BF094372.D

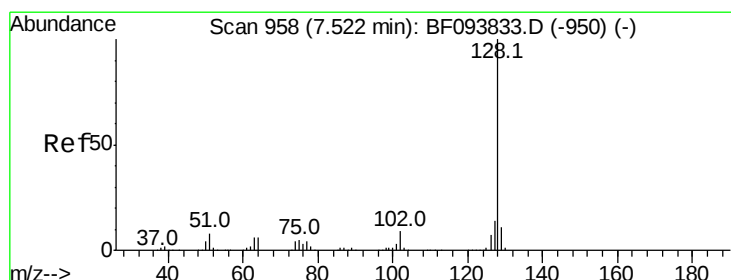
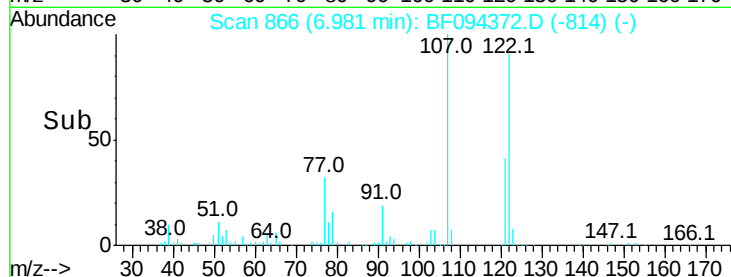
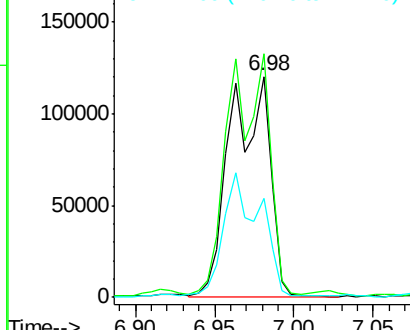
Acq: 12 Apr 2017 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 206847
Ion Ratio Lower Upper
122 100
107 110.4 89.2 133.8
121 44.7 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 54.03 ng

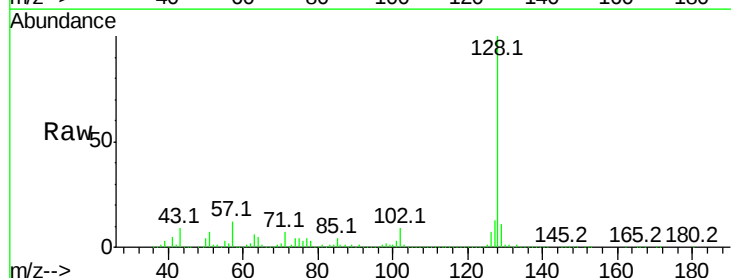
RT: 7.36 min Scan# 931

Delta R.T. -0.02 min

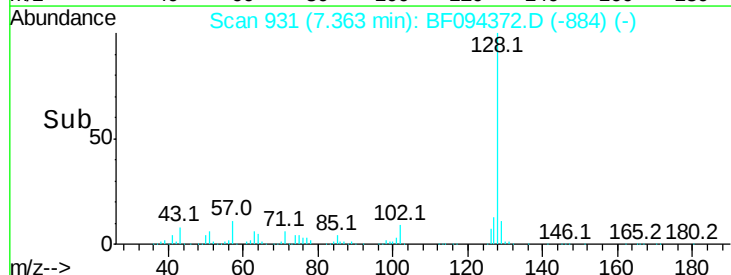
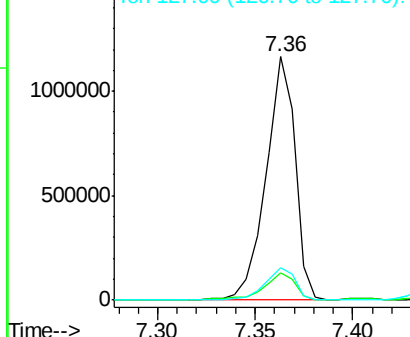
Lab File: BF094372.D

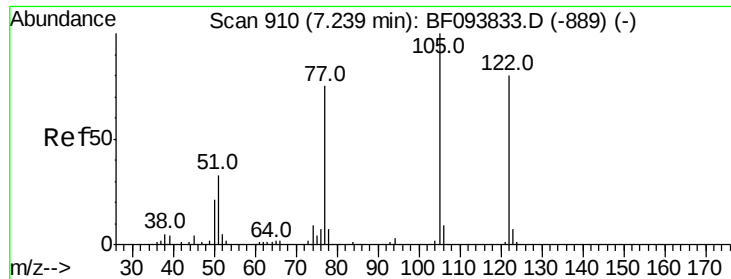
Acq: 12 Apr 2017 1:22

Tgt Ion:128 Resp: 1195919
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.4 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





#32

Benzoic acid

Concen: 51.97 ng

RT: 7.11 min Scan# 888

Delta R.T. -0.04 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

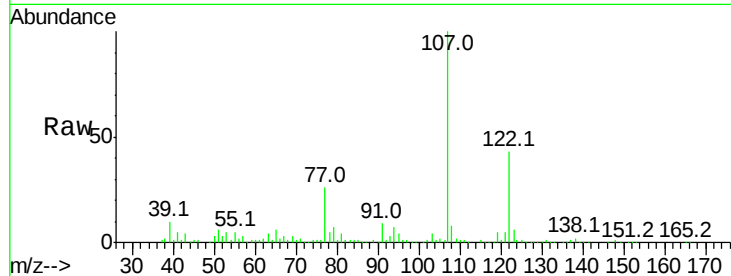
Tot Ion:122 Resp: 226133

Ion Ratio Lower Upper

122 100

105 5.4 103.3 143.3#

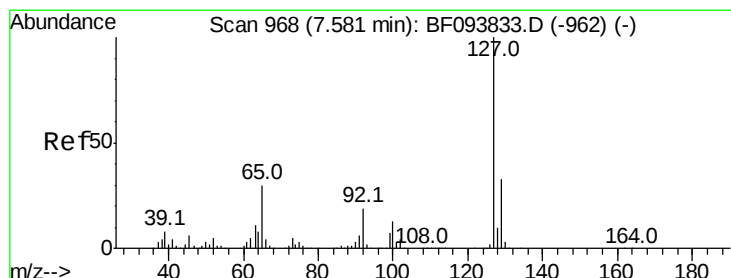
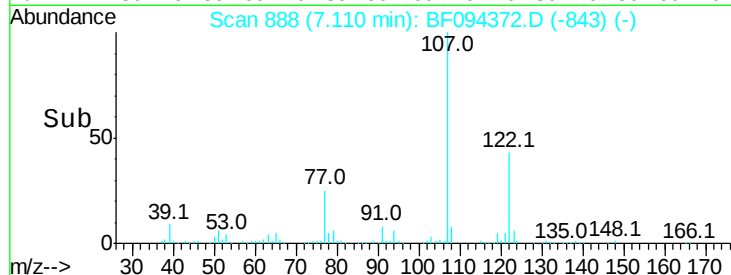
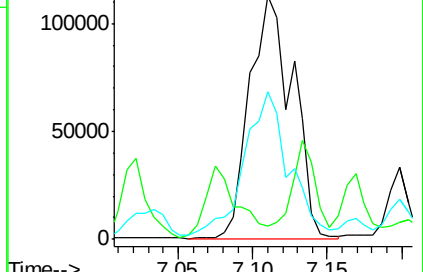
77 60.4 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 4.29 ng

RT: 7.43 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Tgt Ion:127 Resp: 38514

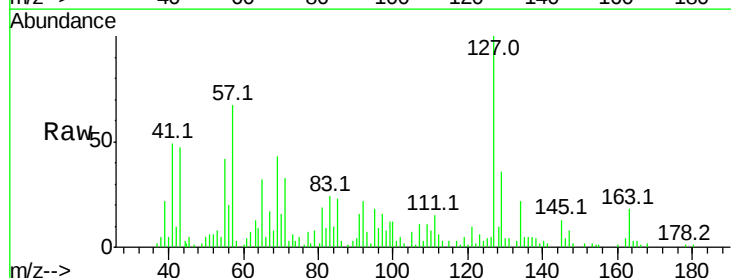
Ion Ratio Lower Upper

127 100

129 35.6 26.2 39.2

65 31.6 27.8 41.8

92 21.7 16.8 25.2

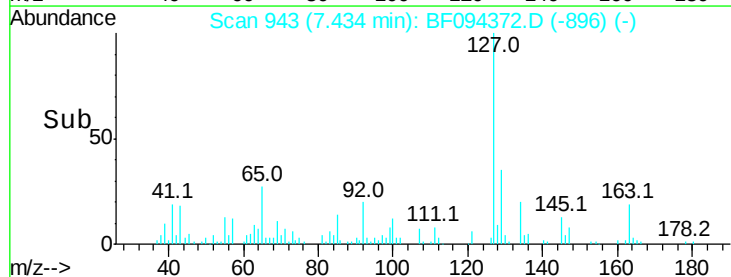
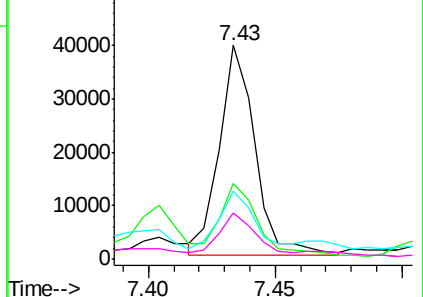


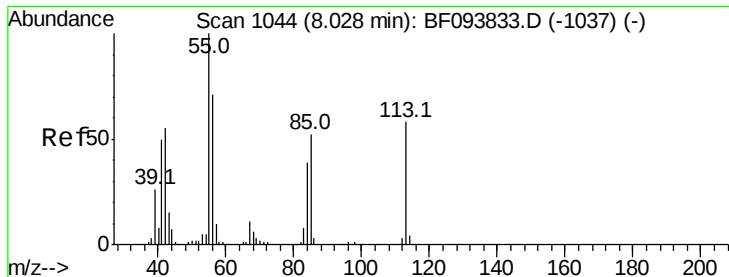
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 13.69 ng

RT: 7.89 min Scan# 1021

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampled :

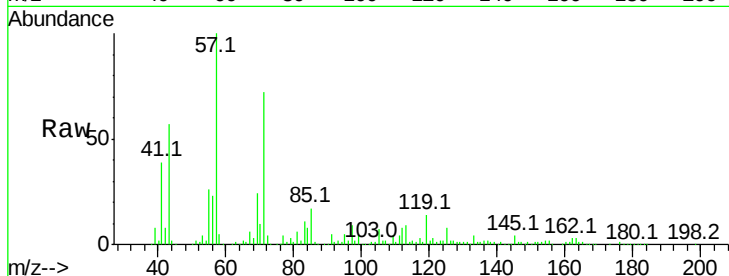
Tot Ion:113 Resp: 26686

Ion Ratio Lower Upper

113 100

55 284.3 150.2 190.2#

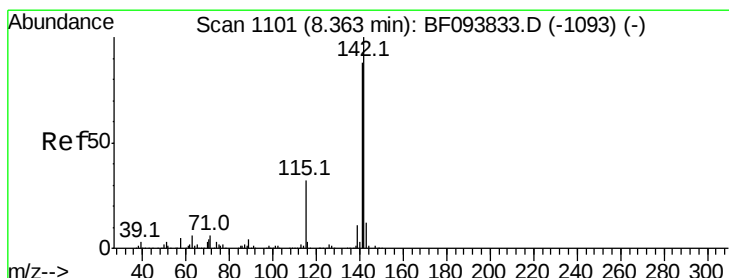
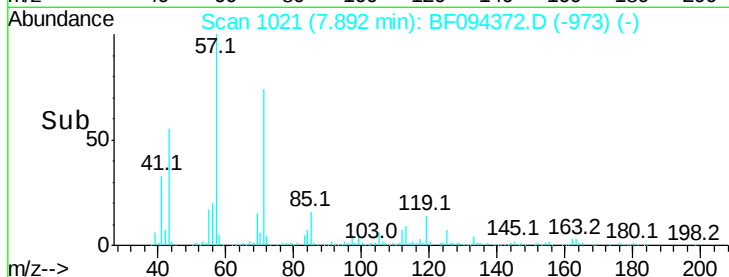
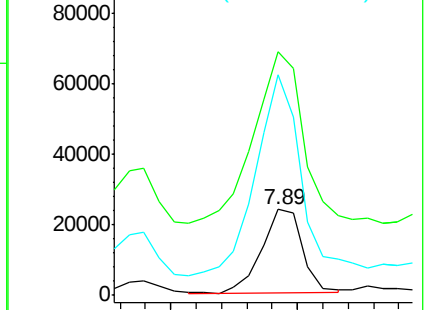
56 257.9 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 37.56 ng

RT: 8.21 min Scan# 1075

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

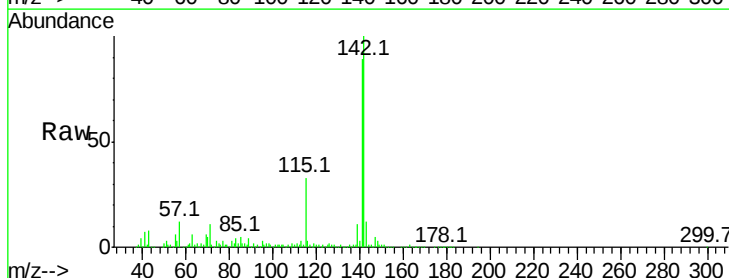
Tgt Ion:142 Resp: 554135

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9

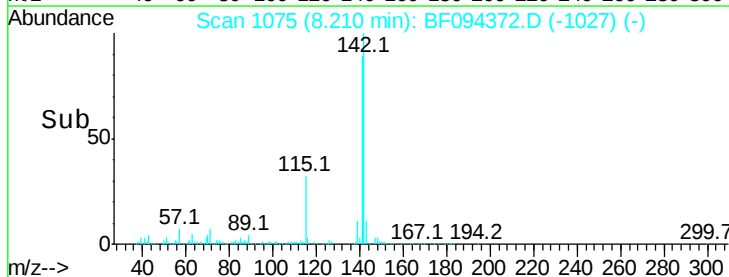
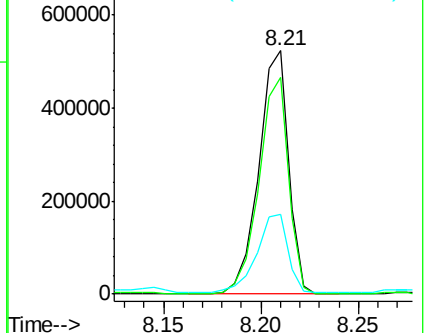
115 32.7 27.1 40.7

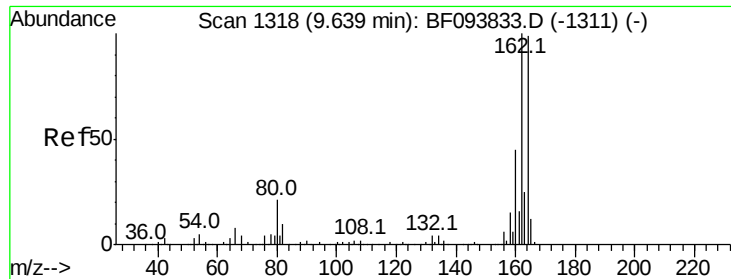


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

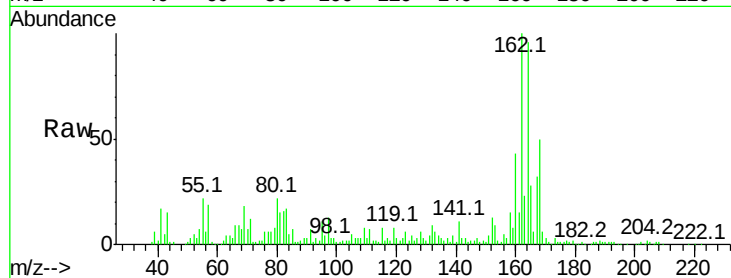




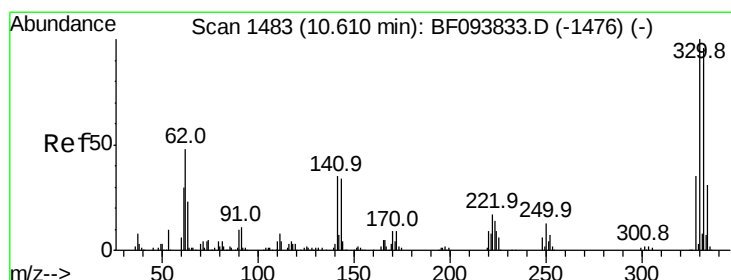
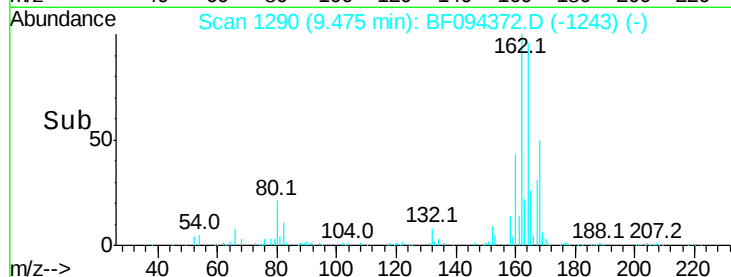
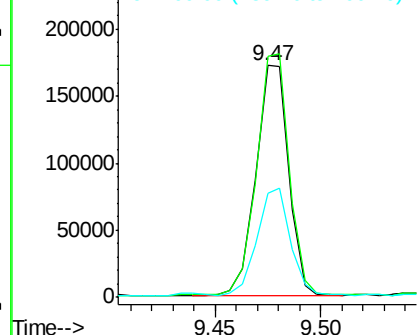
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 186833
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.6 123.8
 160 45.0 36.2 54.2

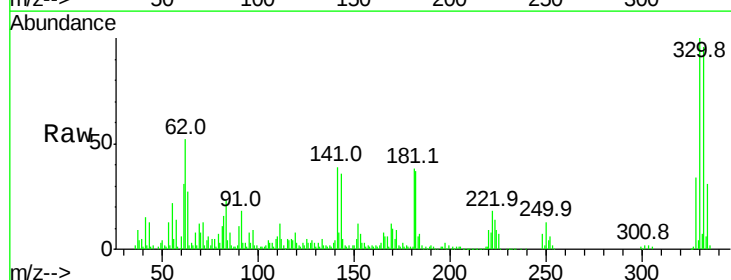


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

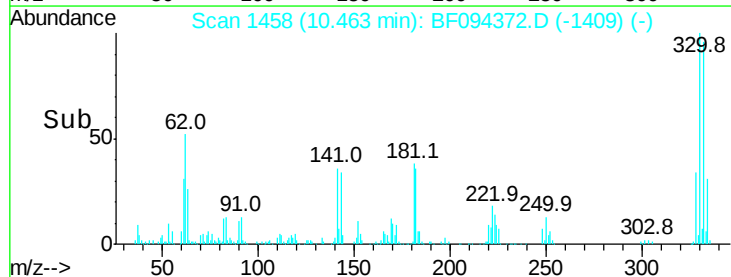
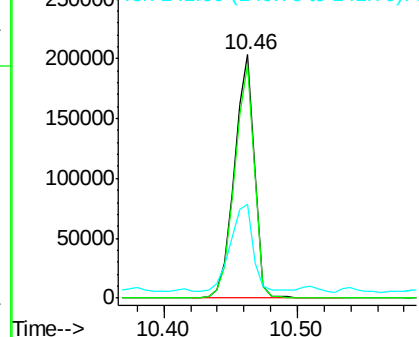


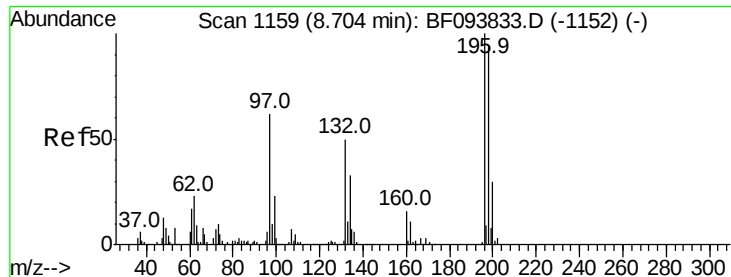
#41
 2,4,6-Tribromophenol
 Concen: 146.58 ng
 RT: 10.46 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

Tgt Ion:330 Resp: 216407
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 40.1 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

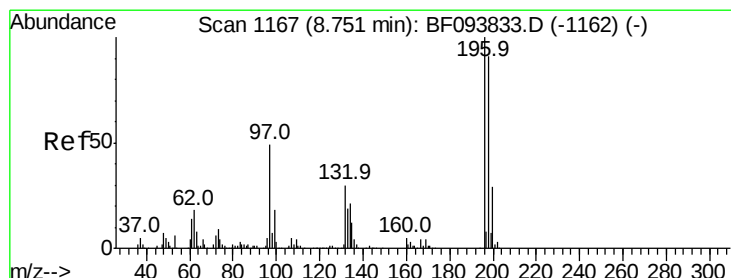
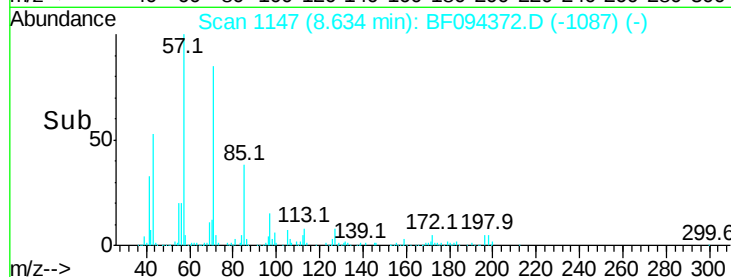
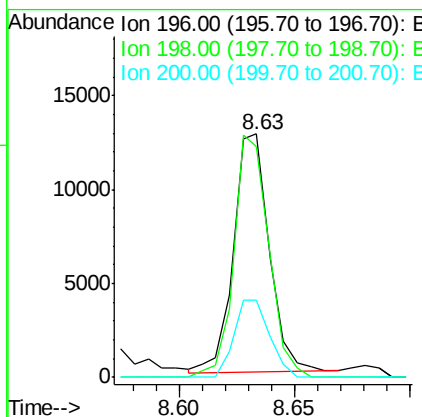
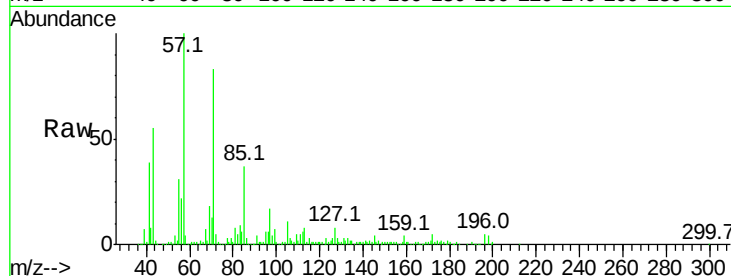




#42
 2,4,6-Trichlorophenol
 Concen: 3.82 ng
 RT: 8.63 min Scan# 1147
 Delta R.T. 0.05 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

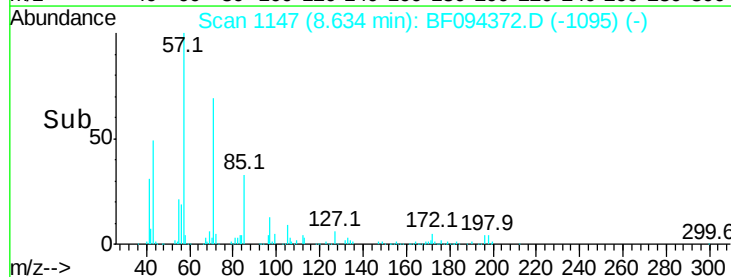
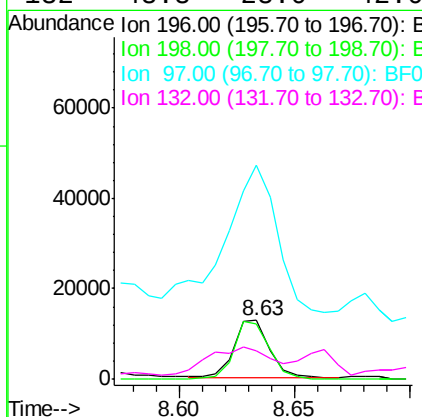
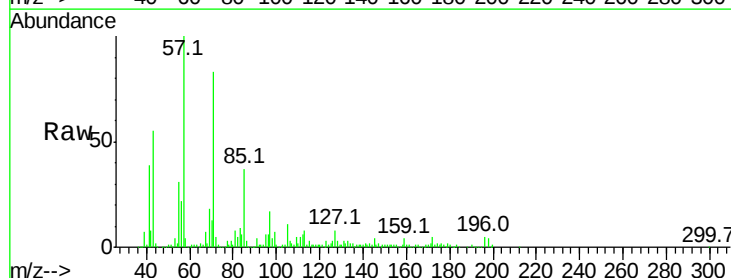
Instrument :
 BNA_F
 ClientSampleId :

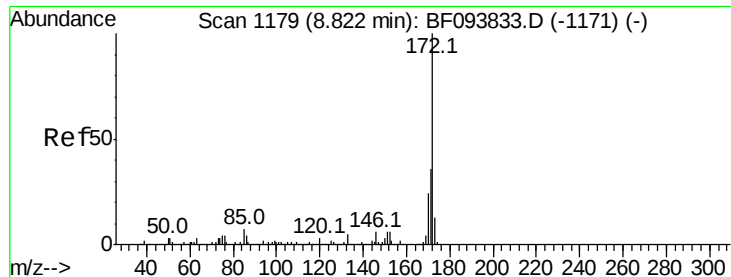
Tot Ion:196 Resp: 13816
 Ion Ratio Lower Upper
 196 100
 198 95.0 74.2 111.4
 200 31.6 24.0 36.0



#43
 2,4,5-Trichlorophenol
 Concen: 3.53 ng
 RT: 8.63 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

Tgt Ion:196 Resp: 13816
 Ion Ratio Lower Upper
 196 100
 198 95.0 75.7 113.5
 97 364.8 47.7 71.5#
 132 48.8 28.0 42.0#

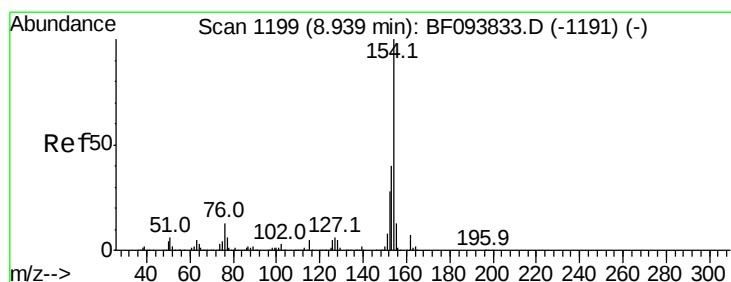
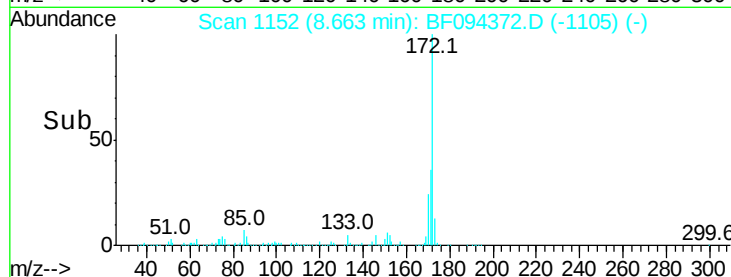
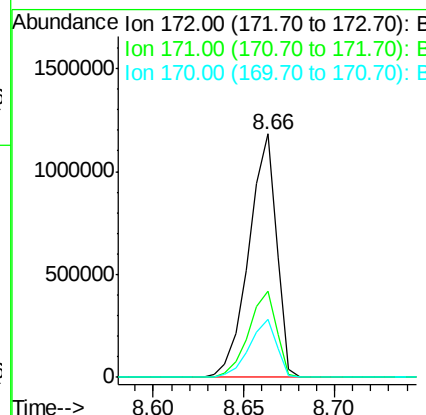
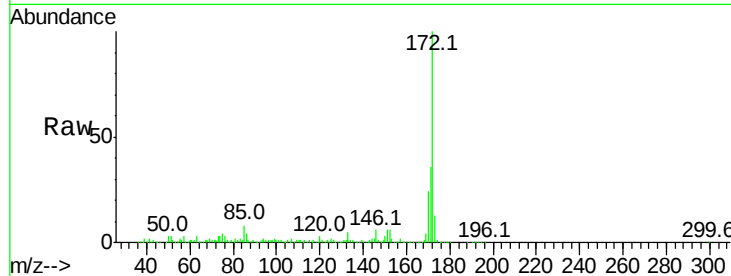




#44
2-Fluorobiphenyl
Concen: 102.20 ng
RT: 8.66 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

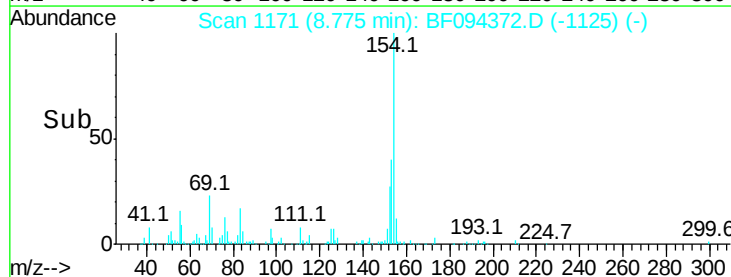
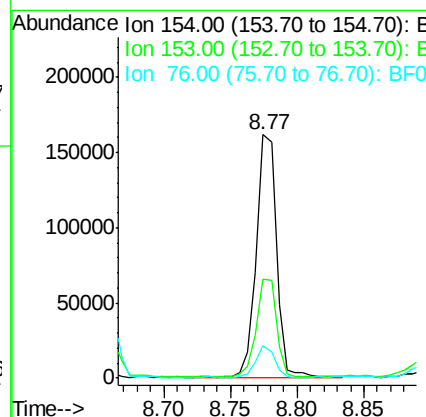
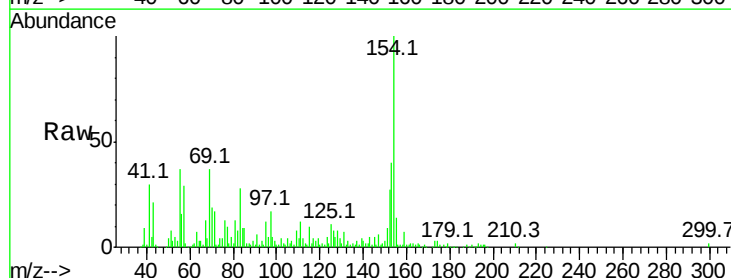
Instrument :
BNA_F
ClientSampleId :

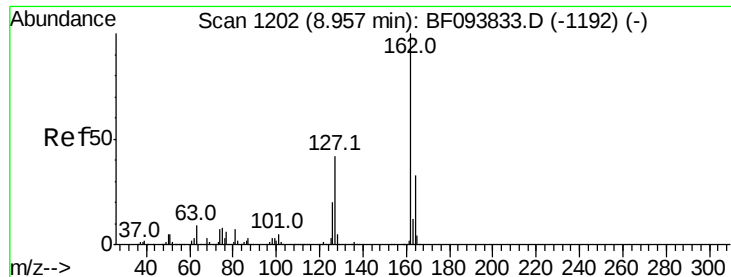
Tot Ion:172 Resp: 1251873
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.6 19.8 29.8



#45
1,1'-Biphenyl
Concen: 11.04 ng
RT: 8.77 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

Tgt Ion:154 Resp: 166410
Ion Ratio Lower Upper
154 100
153 40.4 21.2 61.2
76 13.5 0.0 29.9

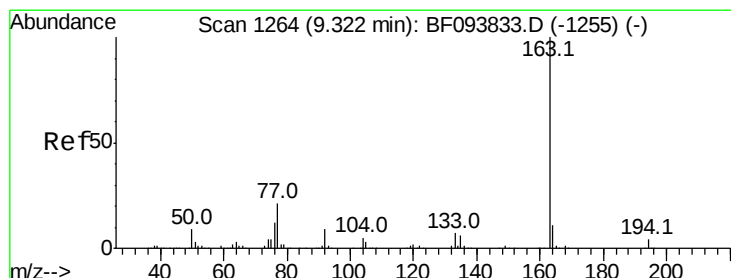
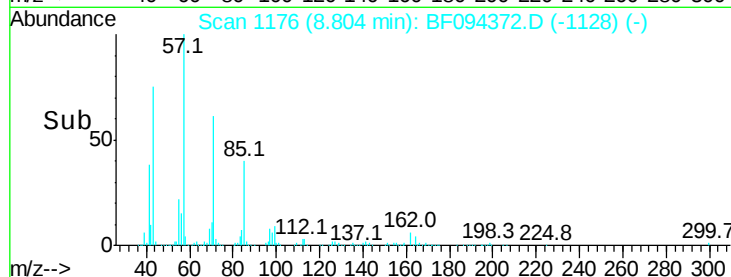
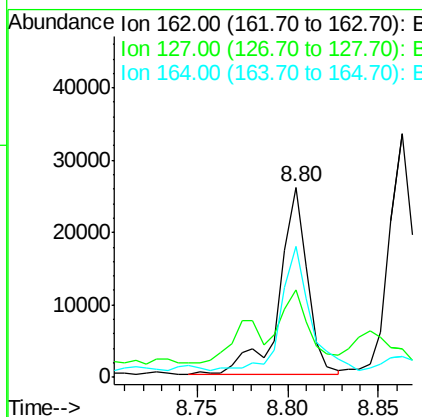
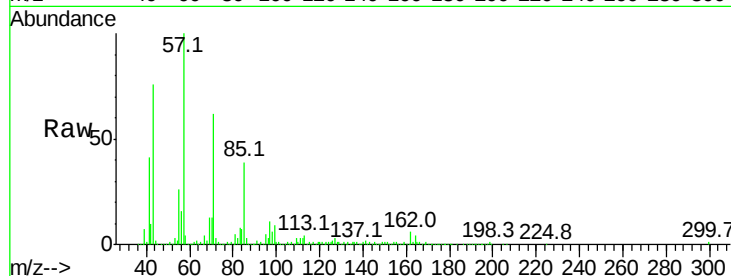




#46
2-Chloronaphthalene
Concen: 2.38 ng
RT: 8.80 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

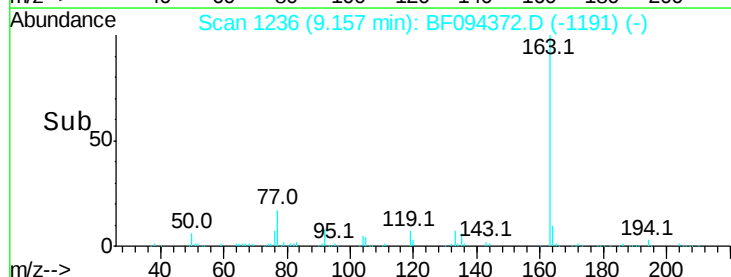
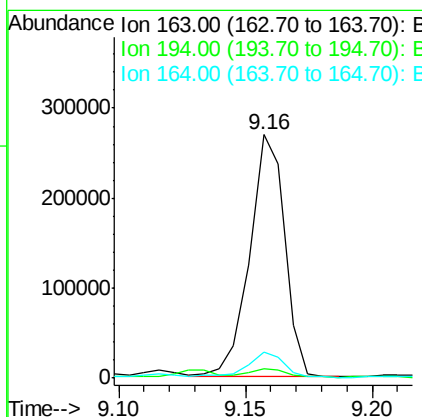
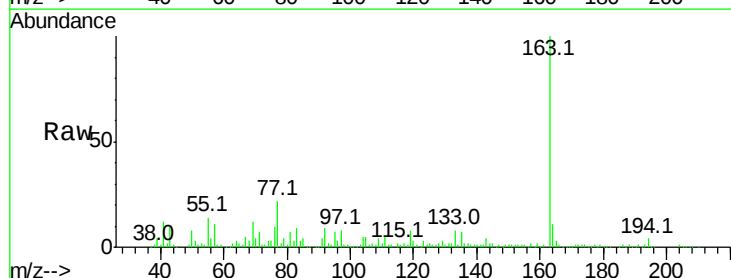
Instrument :
BNA_F
ClientSampleId :

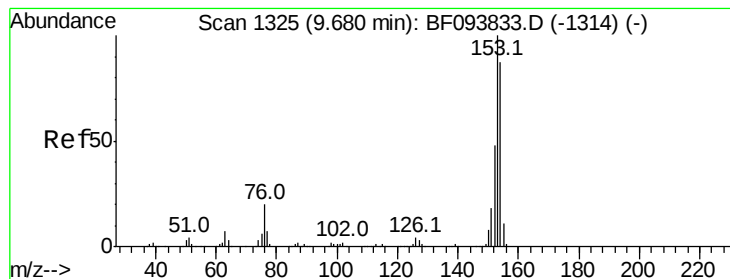
Tot Ion	Ratio	Lower	Upper
162	100		
127	45.8	28.3	42.5#
164	68.9	27.0	40.4#



#49
Dimethylphthalate
Concen: 19.56 ng
RT: 9.16 min Scan# 1236
Delta R.T. -0.04 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	4.0
164	10.6	8.4	12.6





#51

Acenaphthene

Concen: 32.87 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

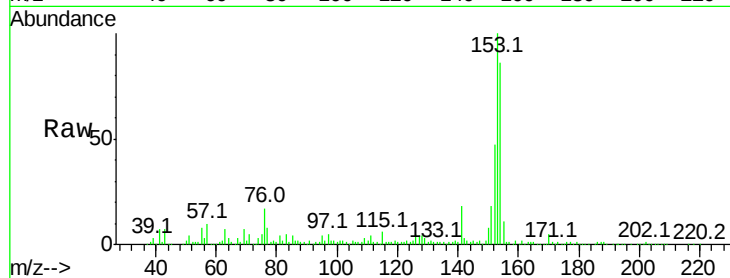
Tot Ion:154 Resp: 375982

Ion Ratio Lower Upper

154 100

153 115.7 90.5 135.7

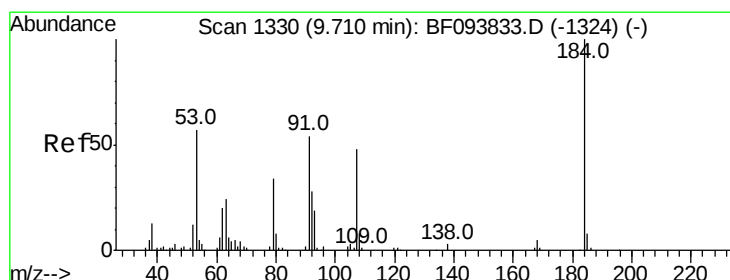
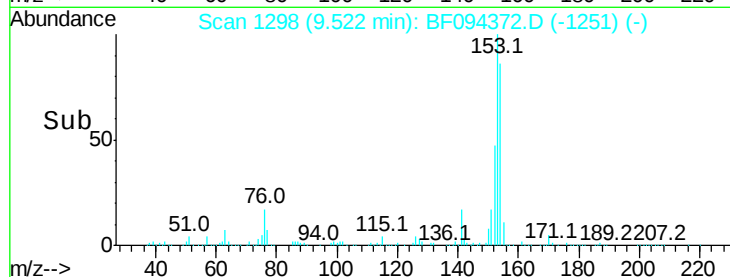
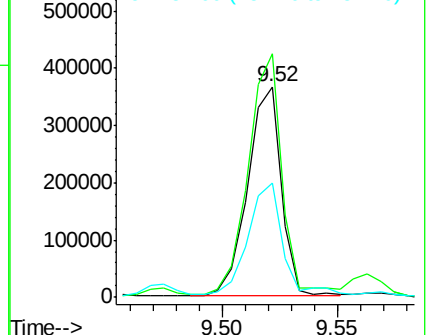
152 54.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 4.75 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

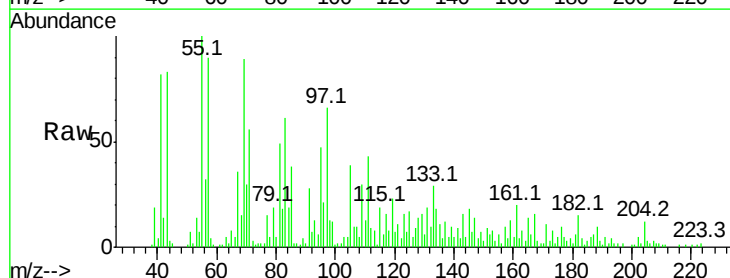
Tgt Ion:184 Resp: 150

Ion Ratio Lower Upper

184 100

63 463.4 62.7 94.1#

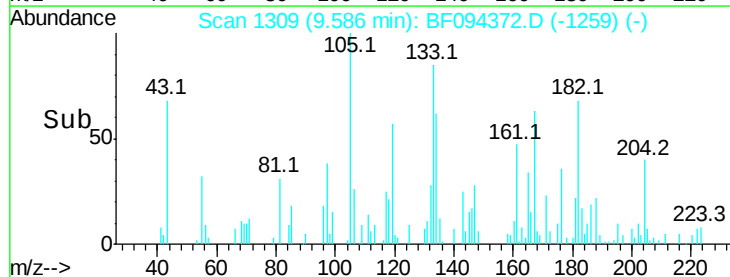
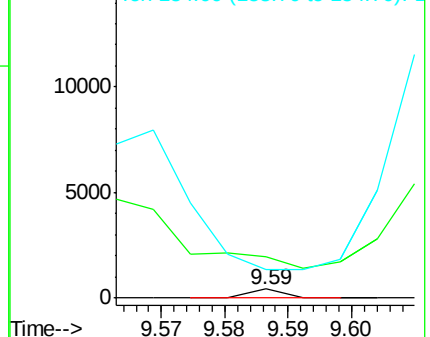
154 316.0 81.1 121.7#

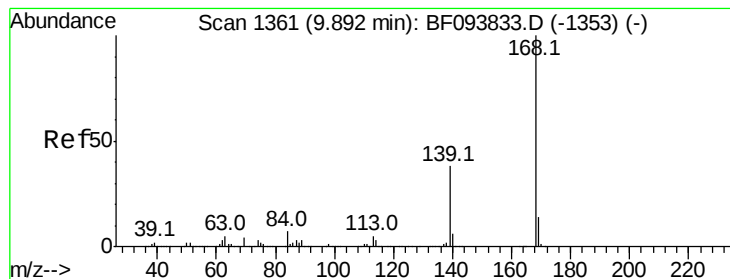


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 31.41 ng

RT: 9.73 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

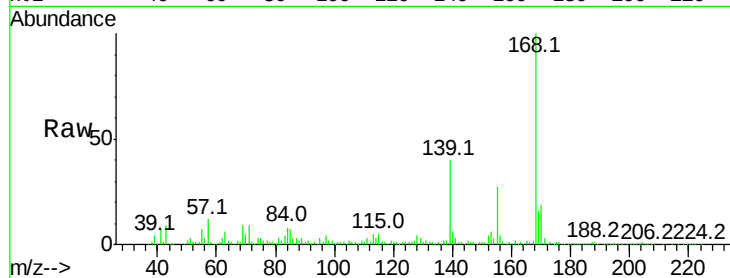
Tot Ion:168 Resp: 489140

Ion Ratio Lower Upper

168 100

139 39.8 30.6 45.8

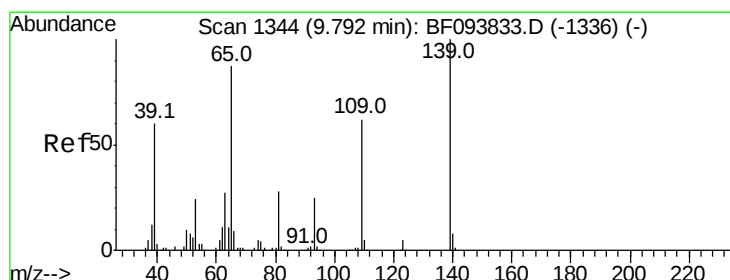
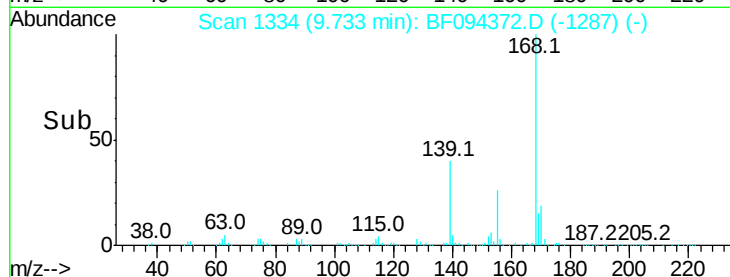
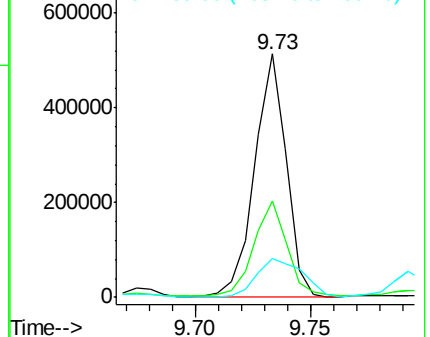
169 15.7 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 2.26 ng

RT: 9.67 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

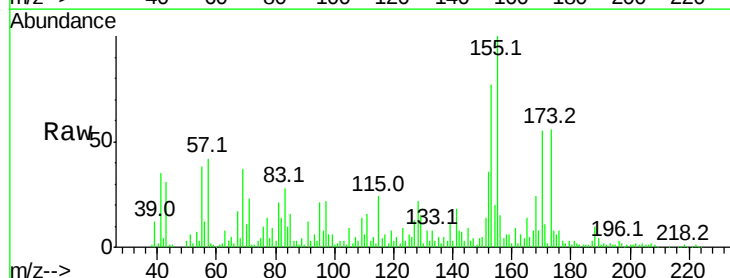
Tgt Ion:139 Resp: 6322

Ion Ratio Lower Upper

139 100

109 128.8 34.1 74.1#

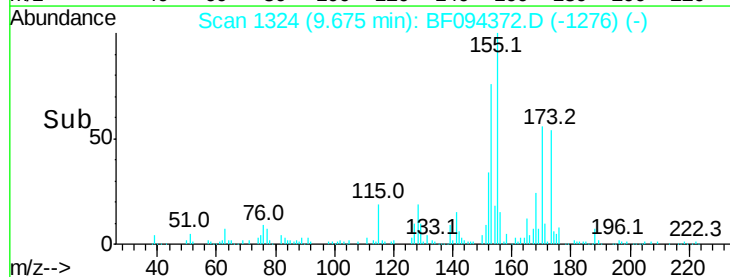
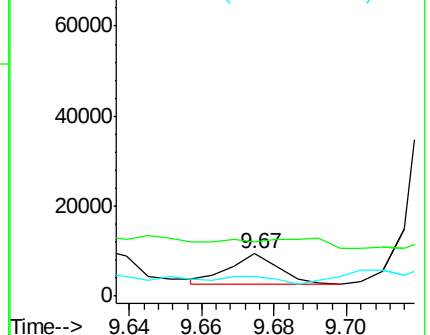
65 46.8 31.4 71.4

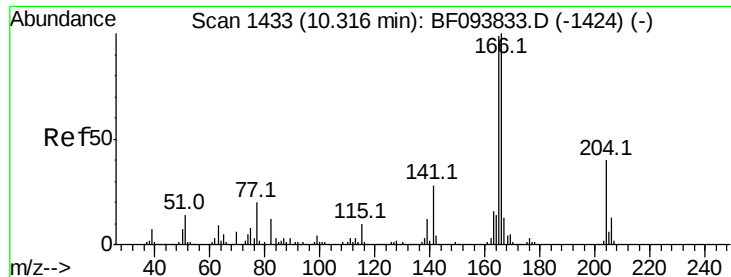


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

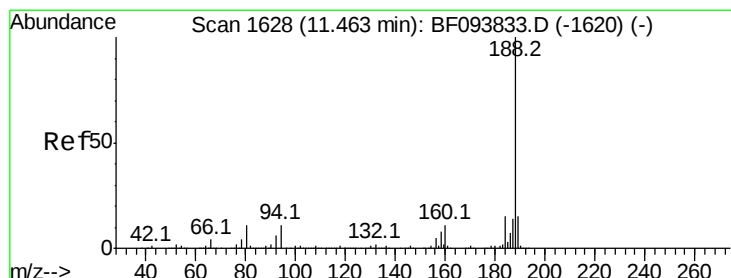
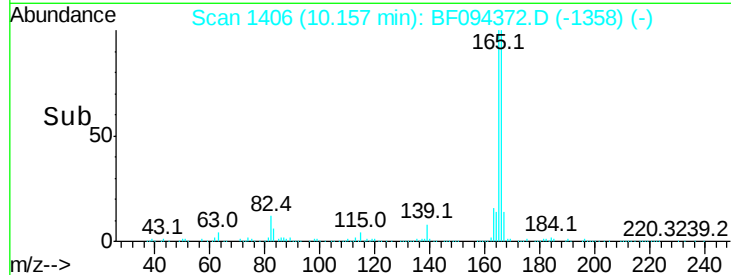
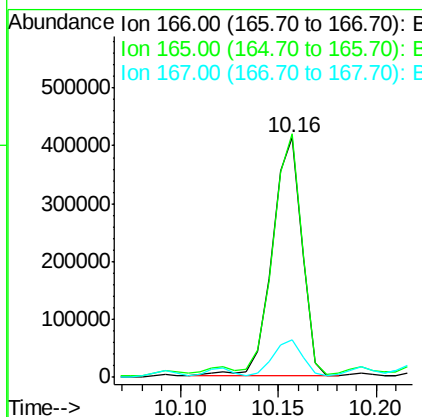
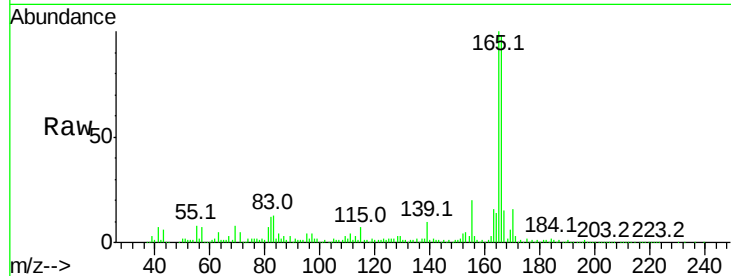




#57
 Fluorene
 Concen: 33.37 ng
 RT: 10.16 min Scan# 1406
 Delta R.T. -0.02 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

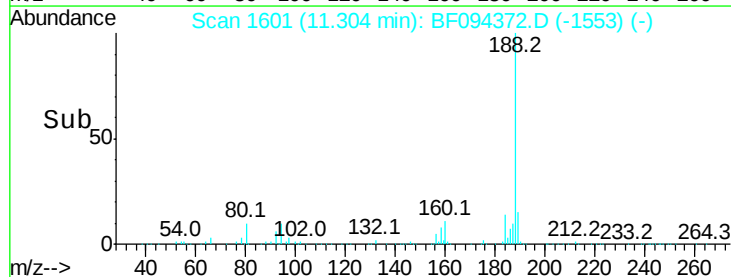
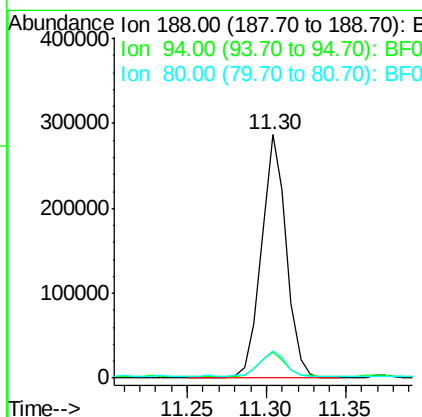
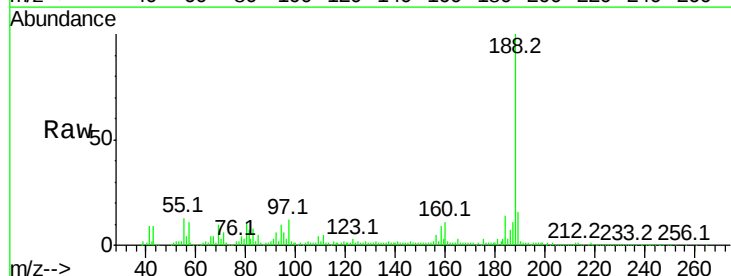
Instrument :
 BNA_F
 ClientSampleId :

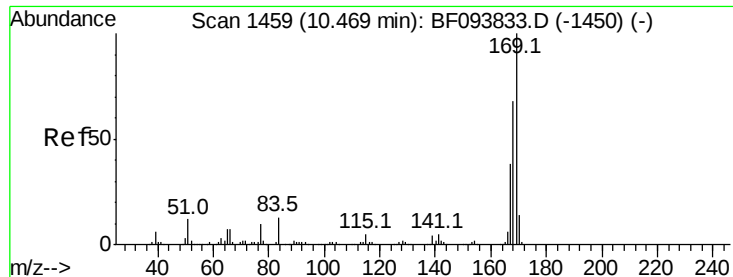
Tot Ion:166 Resp: 430909
 Ion Ratio Lower Upper
 166 100
 165 101.8 78.8 118.2
 167 15.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1601
 Delta R.T. -0.02 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

Tgt Ion:188 Resp: 312338
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.4 14.2
 80 11.2 10.2 15.2





#65

n-Nitrosodiphenylamine

Concen: 6.63 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

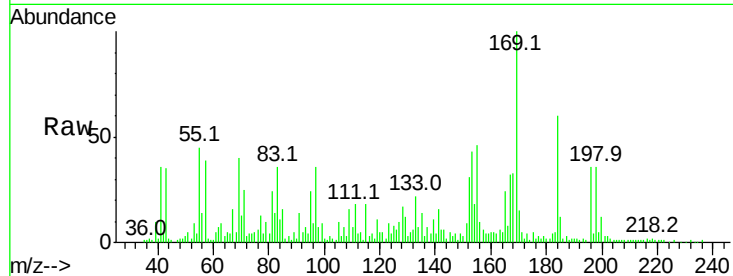
Tot Ion:169 Resp: 71591

Ion Ratio Lower Upper

169 100

168 32.8 53.2 79.8#

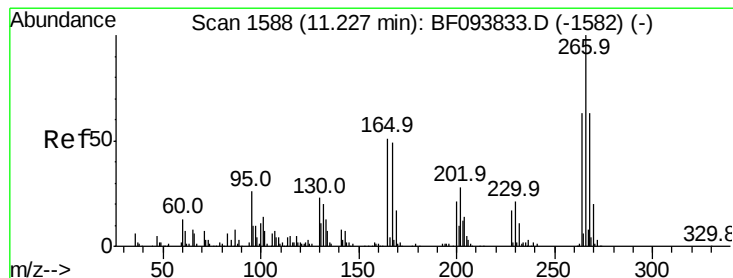
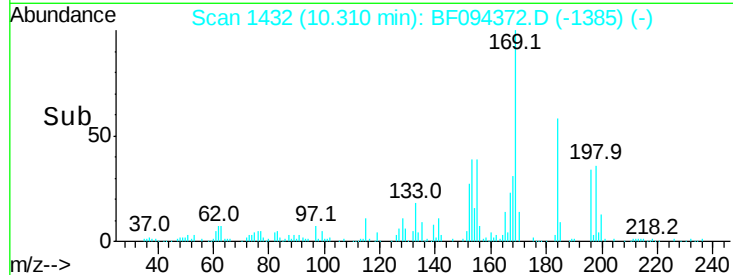
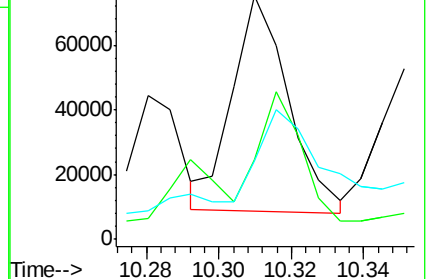
167 32.0 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Pentachlorophenol

Concen: 2.18 ng

RT: 11.09 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

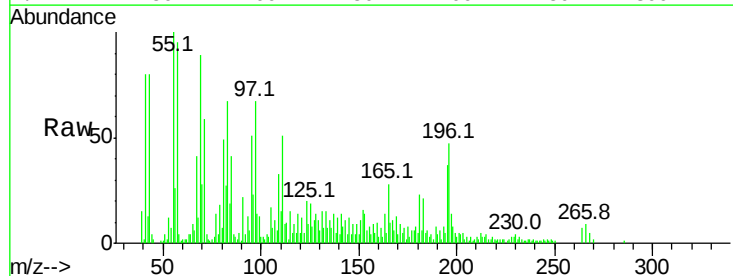
Tgt Ion:266 Resp: 4212

Ion Ratio Lower Upper

266 100

268 57.0 51.1 76.7

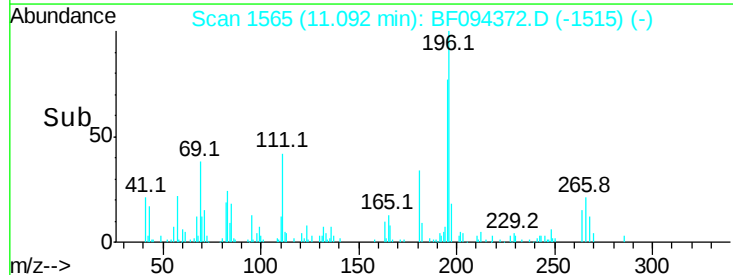
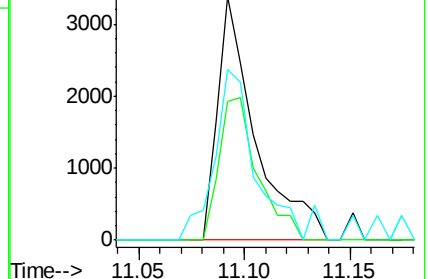
264 70.3 51.7 77.5

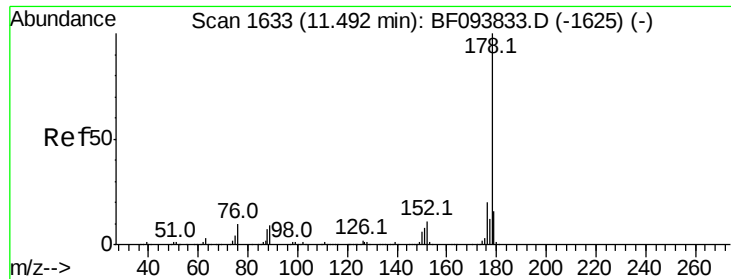


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

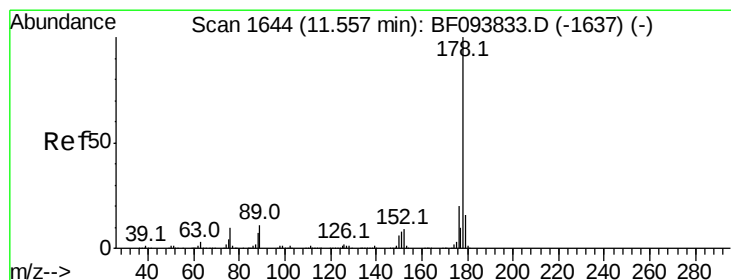
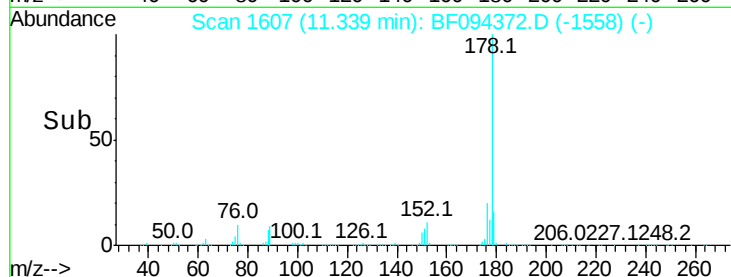
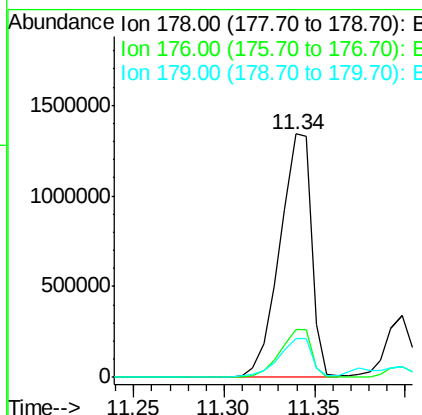
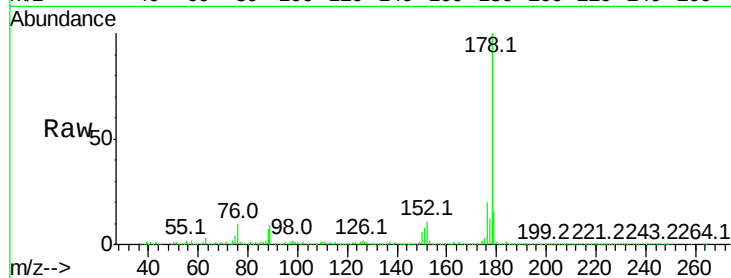




#70
Phenanthrene
Concen: 94.46 ng
RT: 11.34 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

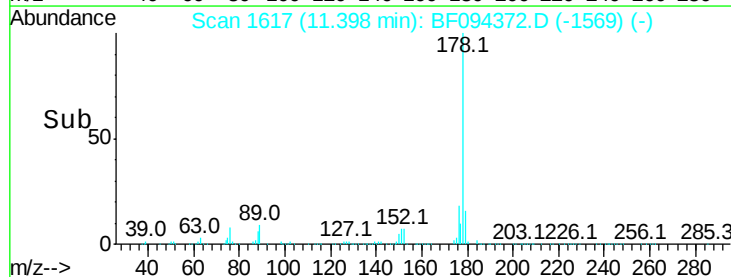
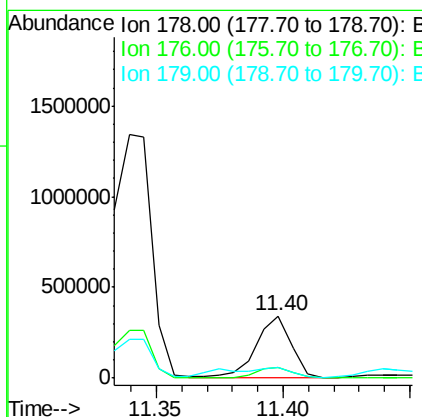
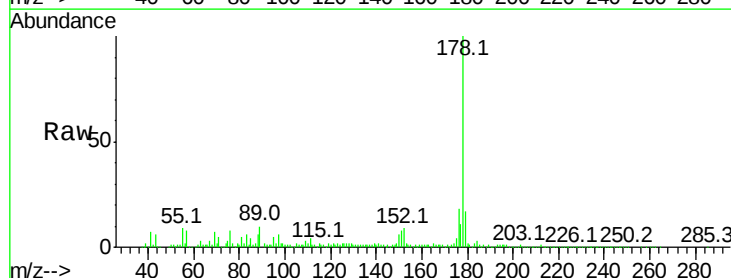
Instrument :
BNA_F
ClientSampleId :

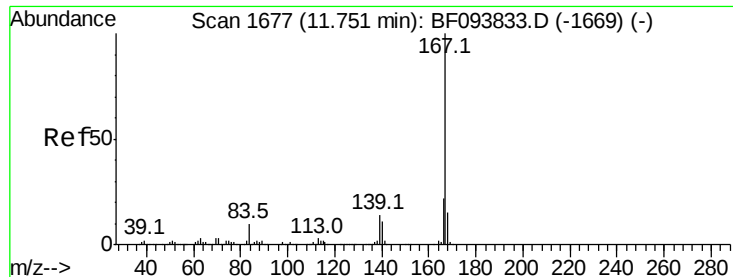
Tot Ion:178 Resp: 1641141
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 16.1 12.6 19.0



#71
Anthracene
Concen: 18.28 ng
RT: 11.40 min Scan# 1617
Delta R.T. -0.02 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

Tgt Ion:178 Resp: 326991
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 17.3 12.7 19.1

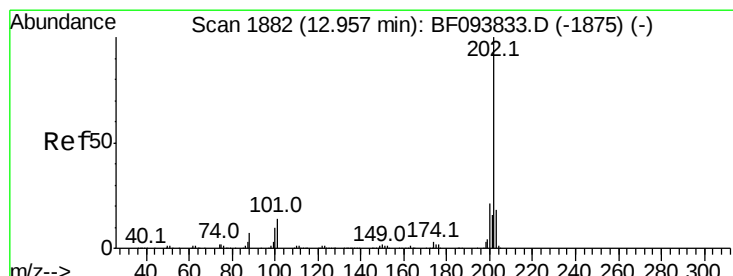
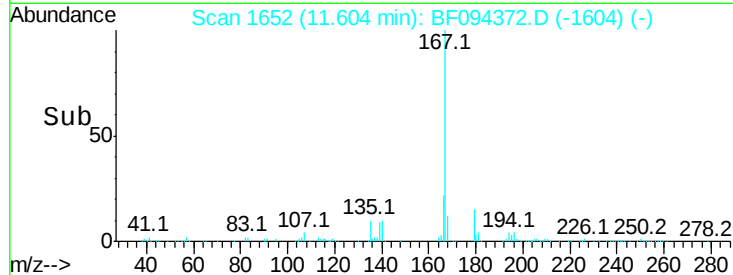
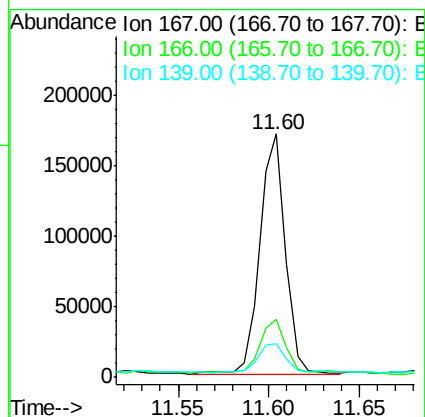
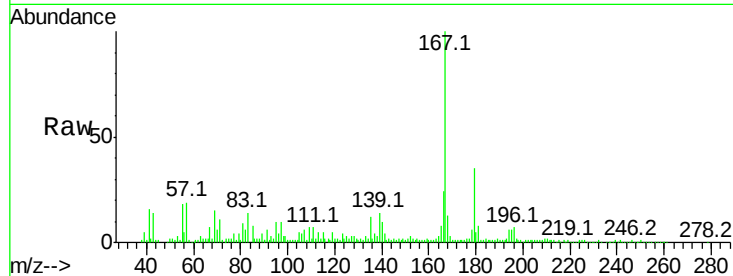




#72
 Carbazole
 Concen: 9.04 ng
 RT: 11.60 min Scan# 1652
 Delta R.T. -0.02 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

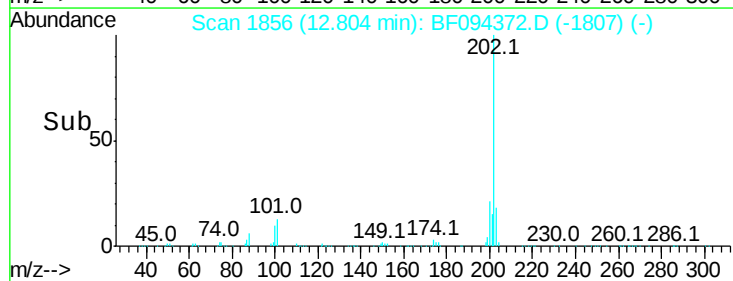
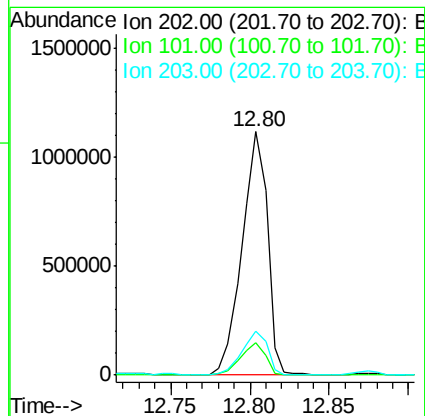
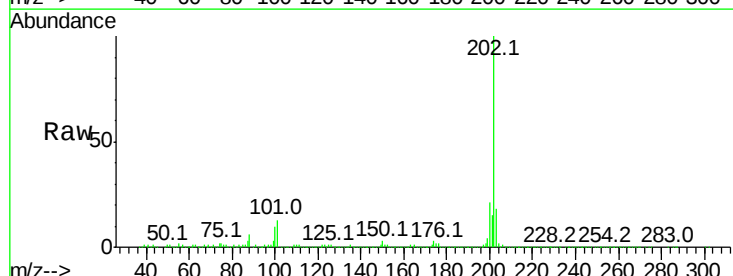
Instrument :
 BNA_F
 ClientSampleId :

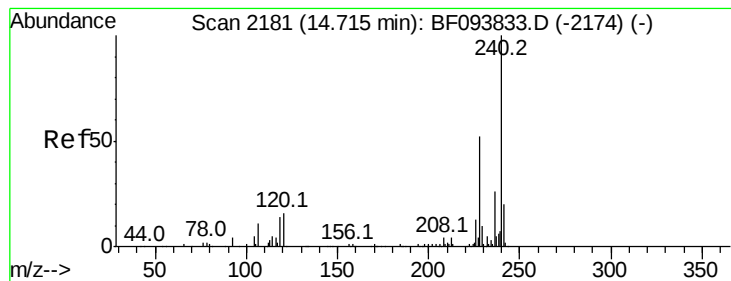
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.1	27.1
139	13.7	11.7	17.5



#74
 Fluoranthene
 Concen: 69.42 ng
 RT: 12.80 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF094372.D
 Acq: 12 Apr 2017 1:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

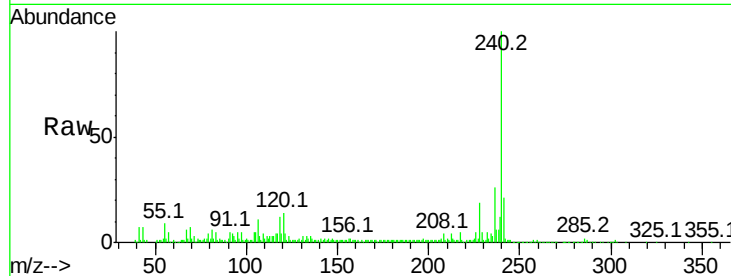
Tot Ion:240 Resp: 256051

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

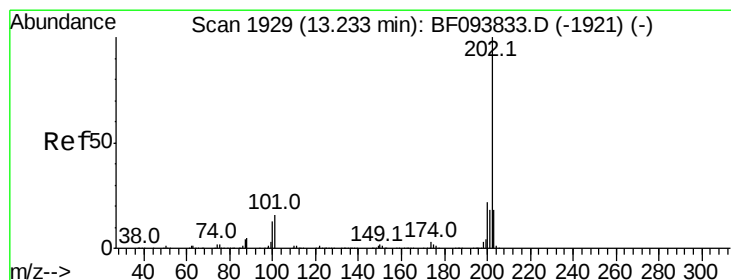
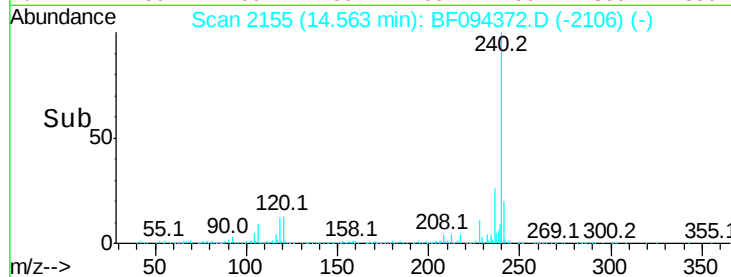
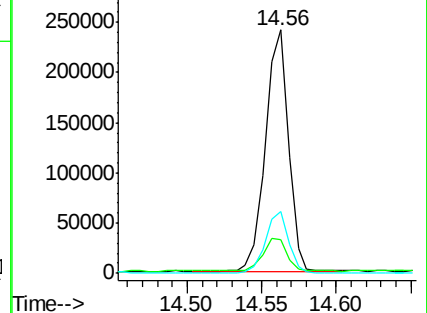
236 25.6 20.5 30.7



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

Pyrene

Concen: 54.78 ng

RT: 13.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

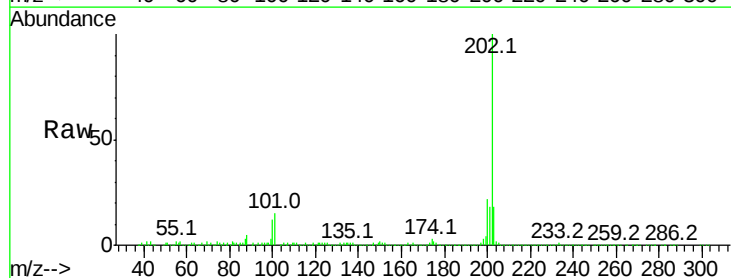
Tgt Ion:202 Resp: 1017924

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

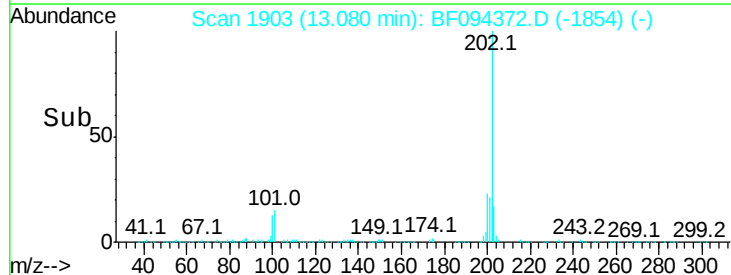
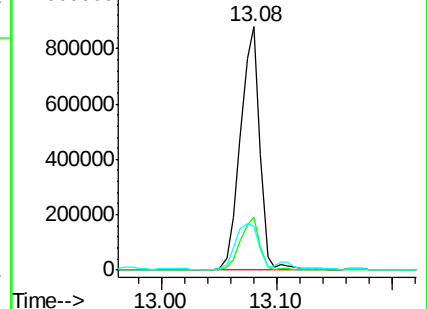
203 18.1 14.4 21.6

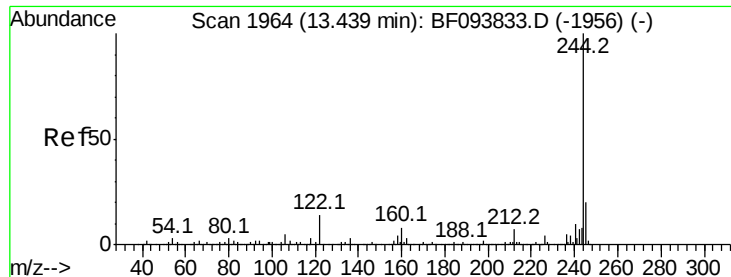


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.70 ng

RT: 13.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

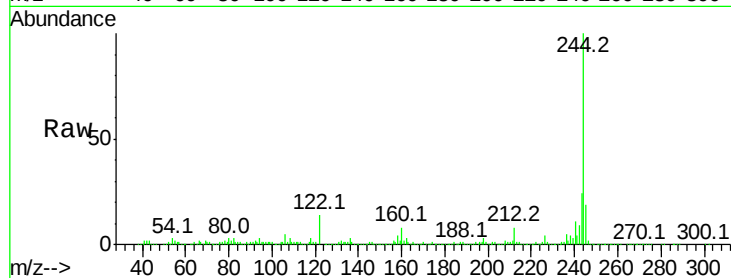
Tot Ion:244 Resp: 876117

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

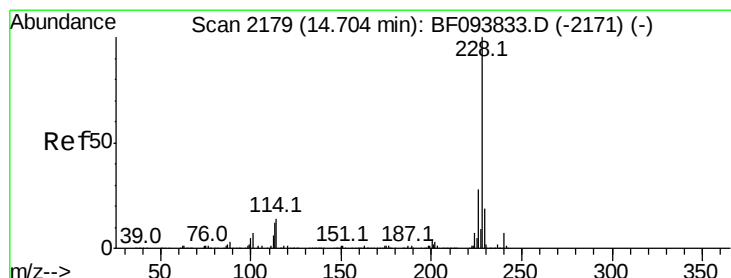
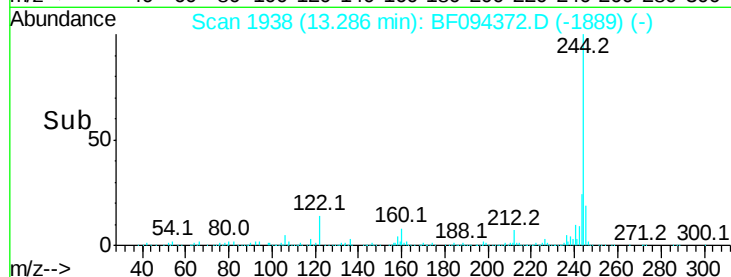
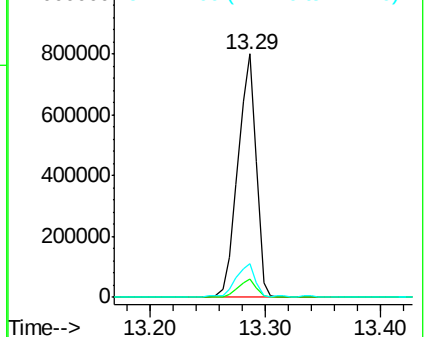
122 14.0 10.3 15.5



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: 22.21 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

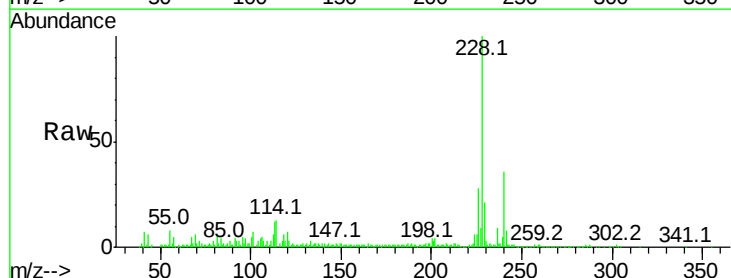
Tgt Ion:228 Resp: 331659

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

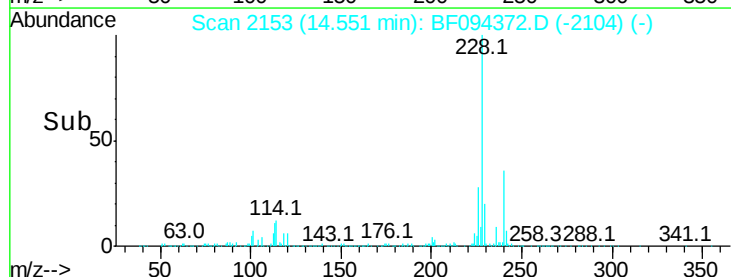
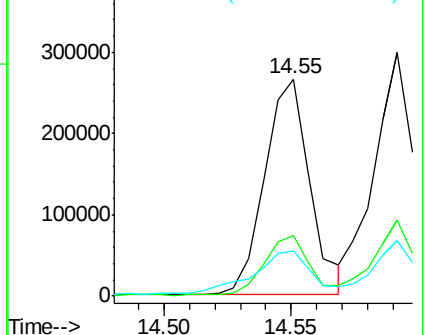
229 20.7 16.3 24.5

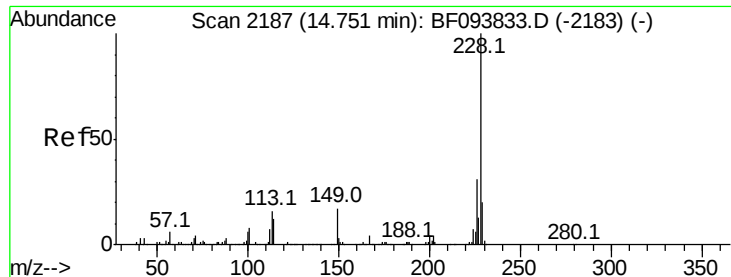


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 23.18 ng

RT: 14.59 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

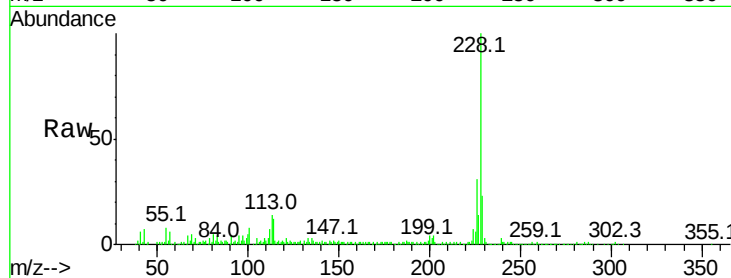
Tot Ion:228 Resp: 321178

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

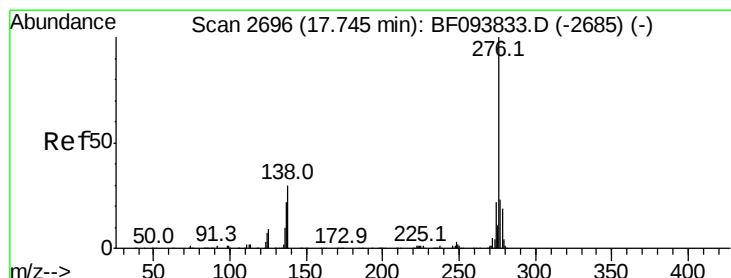
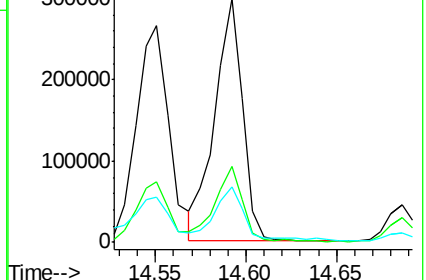
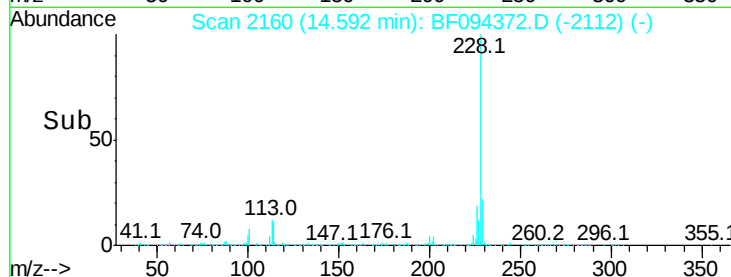
229 22.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.66 ng

RT: 17.50 min Scan# 2655

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

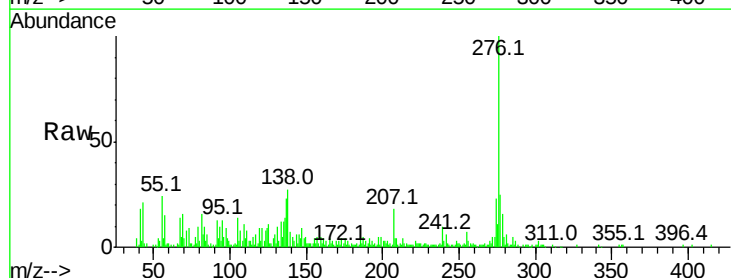
Tgt Ion:276 Resp: 115884

Ion Ratio Lower Upper

276 100

138 28.9 27.8 41.6

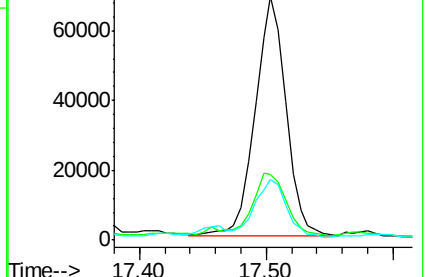
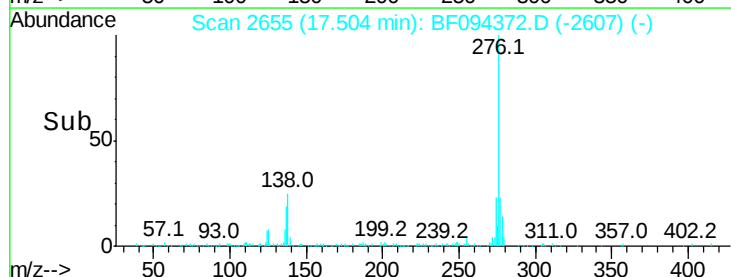
277 26.3 20.2 30.4

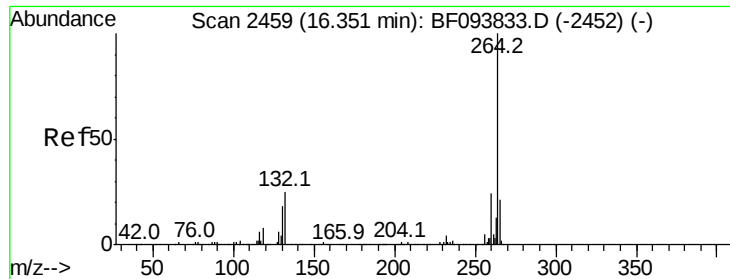


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

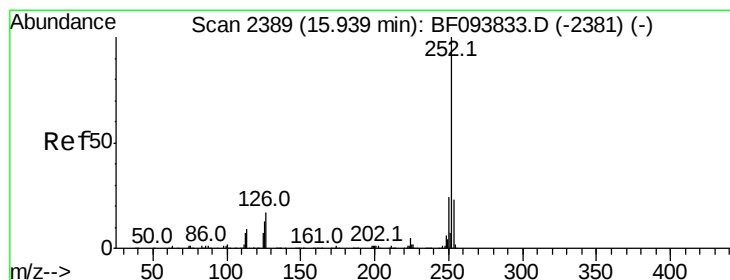
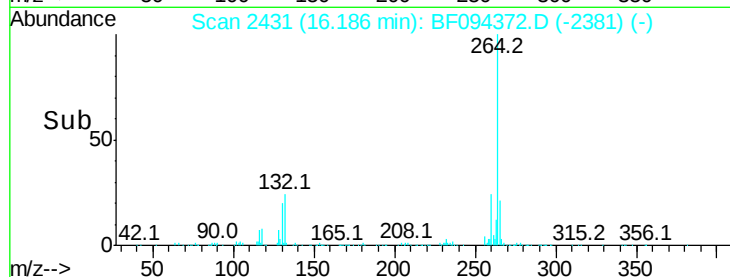
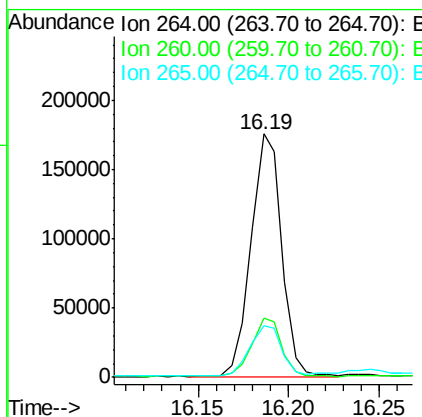
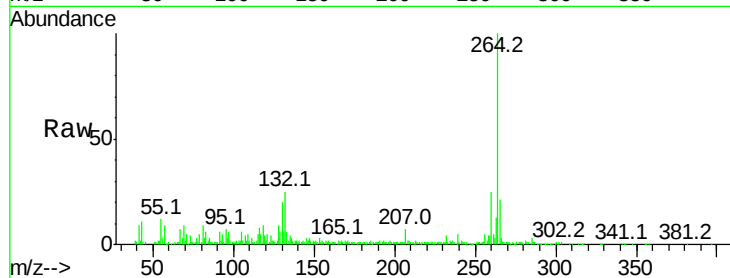




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

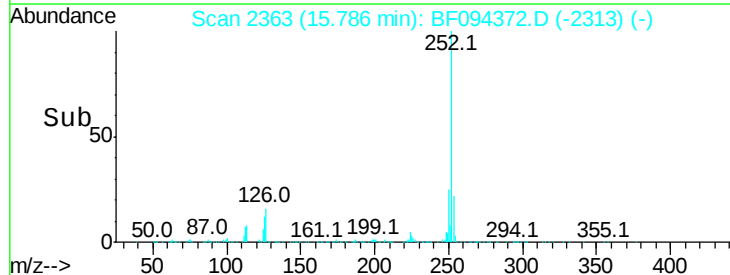
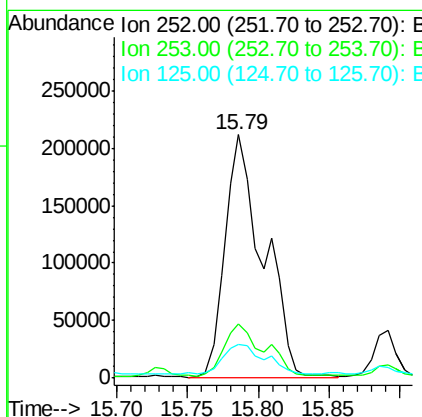
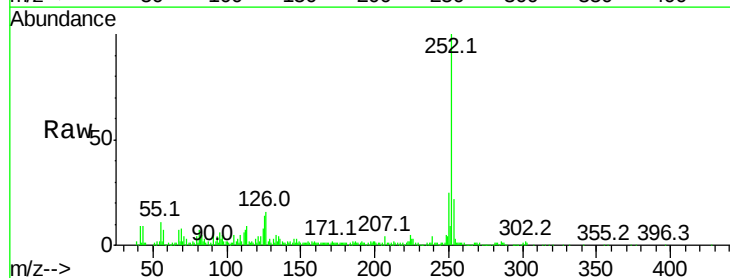
Instrument :
BNA_F
ClientSampleId :

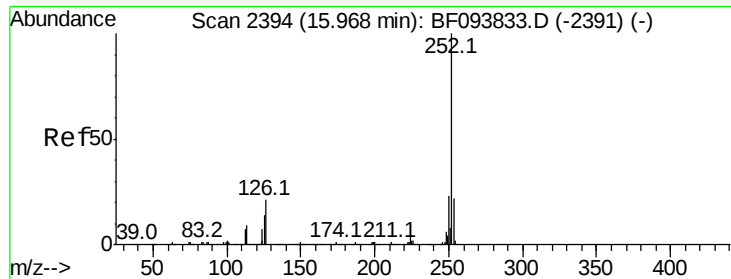
Tot Ion:264 Resp: 204461
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 31.75 ng
RT: 15.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

Tgt Ion:252 Resp: 397881
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 14.0 9.8 14.8

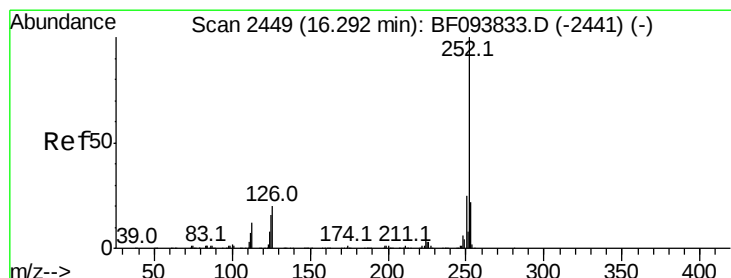
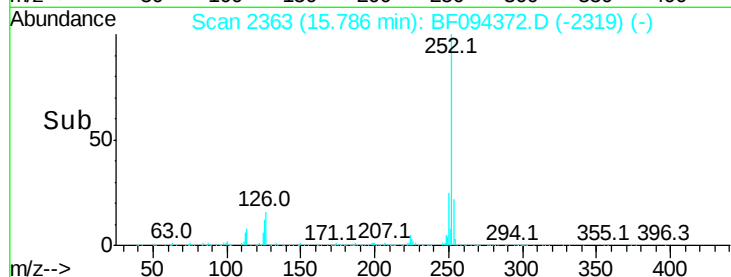
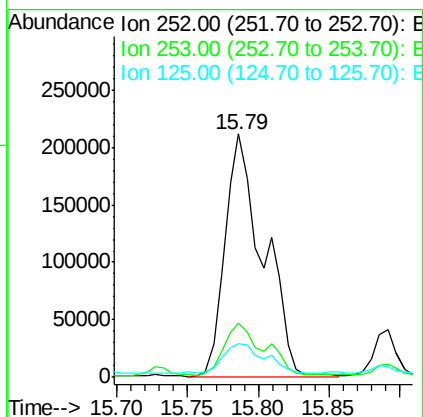
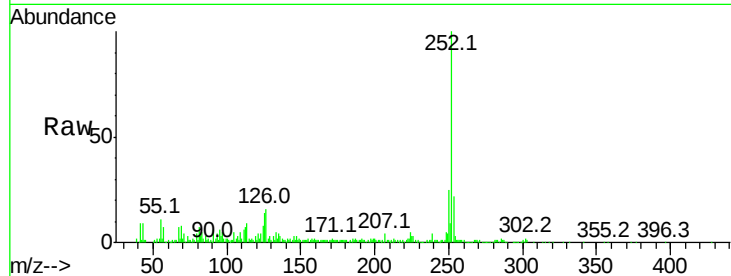




#88
Benzo(k)fluoranthene
Concen: 32.45 ng
RT: 15.79 min Scan# 2363
Delta R.T. -0.04 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

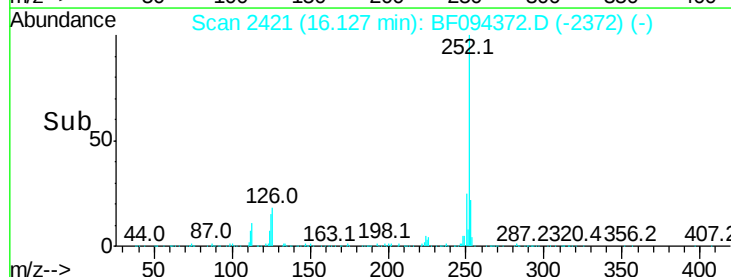
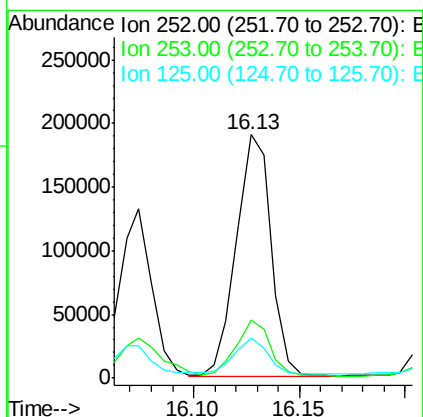
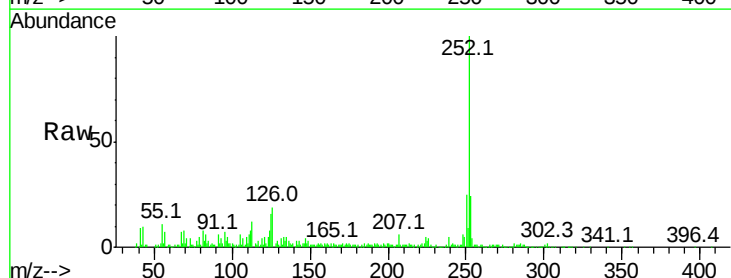
Instrument :
BNA_F
ClientSampleId :

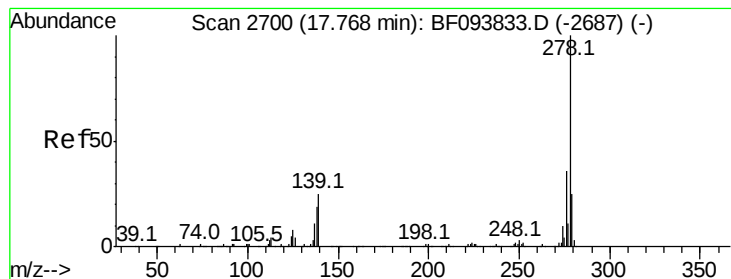
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	14.0	13.1	19.7



#89
Benzo(a)pyrene
Concen: 18.84 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BF094372.D
Acq: 12 Apr 2017 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	16.3	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.17 ng

RT: 17.52 min Scan# 2657

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

Instrument :

BNA_F

ClientSampleId :

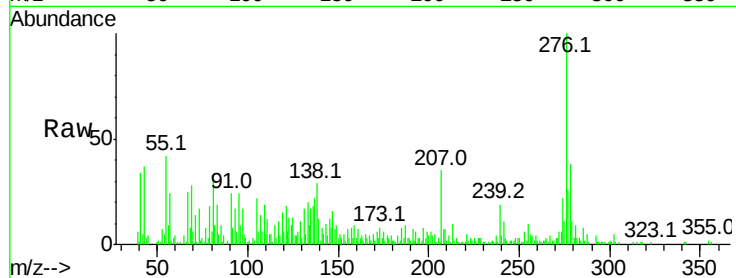
Tot Ion:278 Resp: 30959

Ion Ratio Lower Upper

278 100

139 32.0 16.6 24.8#

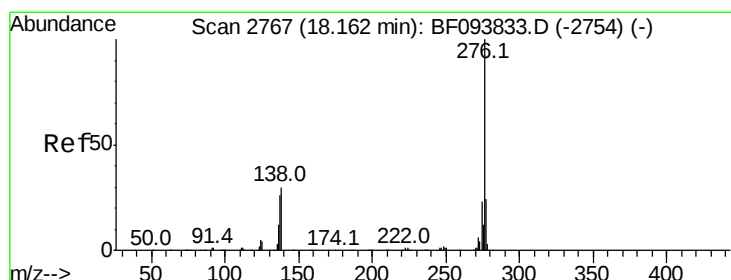
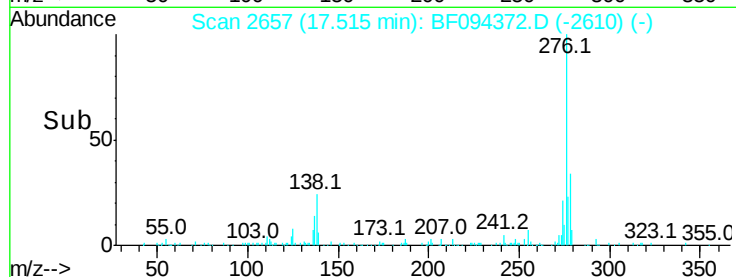
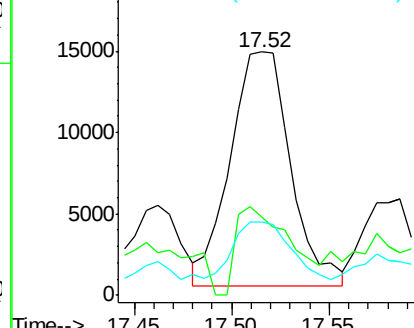
279 30.2 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.94 ng

RT: 17.89 min Scan# 2721

Delta R.T. -0.02 min

Lab File: BF094372.D

Acq: 12 Apr 2017 1:22

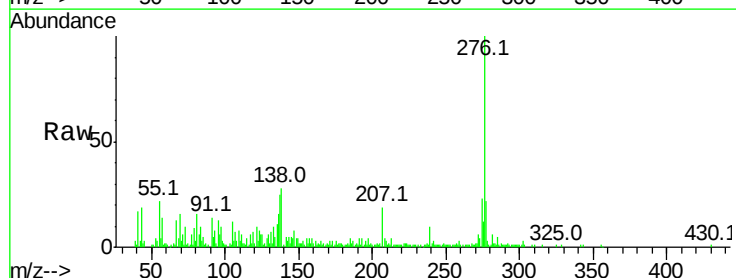
Tgt Ion:276 Resp: 117605

Ion Ratio Lower Upper

276 100

277 21.6 18.6 28.0

138 28.0 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

