

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094457.D
 Acq On : 17 Apr 2017 18:51
 Operator : SJ/MA
 Sample : I2708-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:59:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	150405	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	614283	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	297171	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	524237	20.00	ng	0.00
75) Chrysene-d12	14.46	240	440526	20.00	ng	0.00
86) Perylene-d12	16.08	264	301850	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.31	112	890002	98.17	ng	0.00
7) Phenol-d6	5.39	99	1175613	110.00	ng	0.00
23) Nitrobenzene-d5	6.41	82	786601	79.07	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	201220	86.57	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1360224	67.35	ng	0.00
78) Terphenyl-d14	13.19	244	1034313	62.76	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	5.39	93	241	0.02	ng	# 1
8) 2-Chlorophenol	5.53	128	1090	0.11	ng	95
9) Benzaldehyde	5.26	77	892	0.11	ng	# 80
10) Phenol	5.40	94	15163	1.15	ng	90
11) bis(2-Chloroethyl)ether	5.51	93	1295	0.14	ng	# 1
15) Benzyl Alcohol	5.93	79	12039	1.52	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	5.97	45	442	0.04	ng	70
17) 2-Methylphenol	5.94	107	143	0.02	ng	# 1
19) n-Nitroso-di-n-propylamine	6.41	70	103084	14.56	ng	# 77
22) Acetophenone	6.23	105	1264	0.08	ng	# 71
24) Nitrobenzene	6.41	77	2273	0.22	ng	# 41
25) Isophorone	6.74	82	376	0.02	ng	# 67
31) Naphthalene	7.28	128	6977	0.24	ng	98
32) Benzoic acid	7.26	122	117	0.02	ng	# 1
33) 4-Chloroaniline	7.29	127	800	0.07	ng	# 37
35) Caprolactam	7.82	113	593	0.22	ng	# 77
37) 2-Methylnaphthalene	8.12	142	4509	0.22	ng	86
45) 1,1'-Biphenyl	8.70	154	1851	0.08	ng	88
47) 2-Nitroaniline	9.08	65	4880	0.88	ng	# 1
48) Acenaphthylene	9.22	152	2548	0.08	ng	99
49) Dimethylphthalate	9.09	163	582612	26.31	ng	98
50) 2,6-Dinitrotoluene	9.08	165	6586	1.32	ng	# 15
51) Acenaphthene	9.43	154	2744	0.15	ng	85
53) 2,4-Dinitrophenol	9.76	184	109	5.80	ng	# 4
54) Dibenzofuran	9.65	168	5546	0.21	ng	98
55) 4-Nitrophenol	9.65	139	2096	0.52	ng	# 25
56) 2,4-Dinitrotoluene	9.39	165	38372	6.29	ng	# 33
57) Fluorene	10.06	166	4489	0.22	ng	# 96
59) Diethylphthalate	9.95	149	2192	0.10	ng	# 80
60) 4-Chlorophenyl-phenylether	9.84	204	778	0.09	ng	# 21
62) Azobenzene	10.27	77	901	0.04	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.37	198	461	0.13	ng	# 1
65) n-Nitrosodiphenylamine	10.23	169	1299	0.07	ng	# 76
69) Pentachlorophenol	11.00	266	1437	0.69	ng	# 1

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 ALS Vial : 9 Sample Multiplier: 1

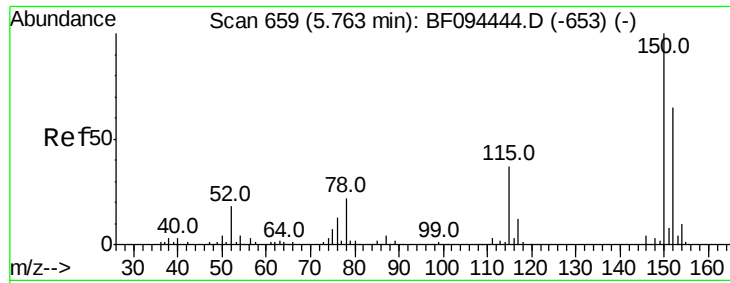
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:59:19 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Phenanthrene	11.24	178	41885	1.42	nq	97
71) Anthracene	11.24	178	41885	1.37	nq	98
72) Carbazole	11.52	167	1942	0.07	nq	# 88
73) Di-n-butylphthalate	11.96	149	4832	0.15	nq	# 89
74) Fluoranthene	12.70	202	44431	1.45	nq	99
77) Pyrene	12.97	202	38325	1.25	nq	96
79) Butylbenzylphthalate	13.80	149	147	0.01	nq	# 22
80) Benzo(a)anthracene	14.44	228	15739	0.61	nq	# 90
81) 3,3'-Dichlorobenzidine	14.53	252	116	0.01	nq	# 27
82) Chrysene	14.49	228	17015	0.73	nq	# 89
83) Bis(2-ethylhexyl)phthalate	14.52	149	1254	0.07	nq	# 76
84) Di-n-octyl phthalate	15.32	149	267	0.01	nq	# 75
85) Indeno(1,2,3-cd)pyrene	17.34	276	4177	0.19	nq	# 87
87) Benzo(b)fluoranthene	15.68	252	17503	0.95	nq	# 97
88) Benzo(k)fluoranthene	15.68	252	17503	1.00	nq	99
89) Benzo(a)pyrene	16.02	252	8152	0.47	nq	# 87
90) Dibenzo(a,h)anthracene	17.36	278	1138	0.08	nq	# 30
91) Benzo(g,h,i)perylene	17.72	276	4438	0.31	nq	94

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

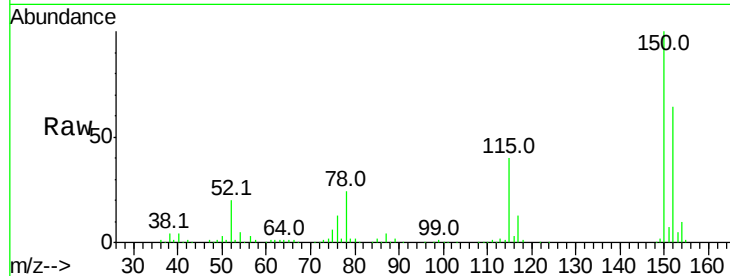


#1

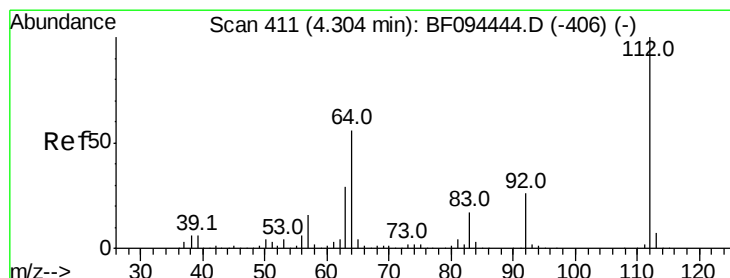
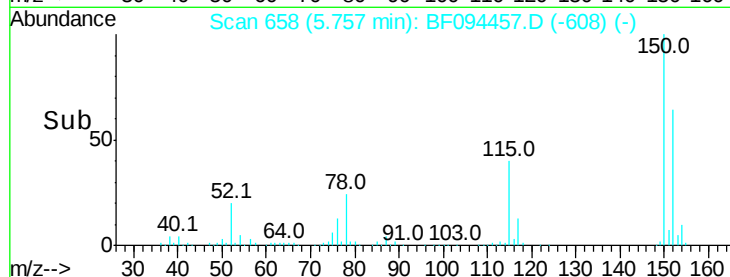
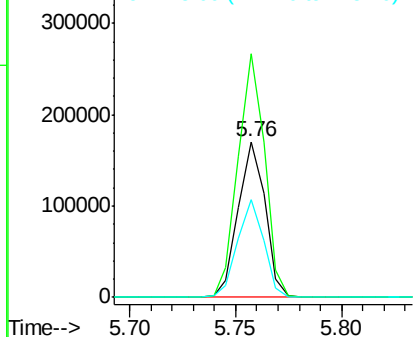
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 150405
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 62.8 52.2 78.2



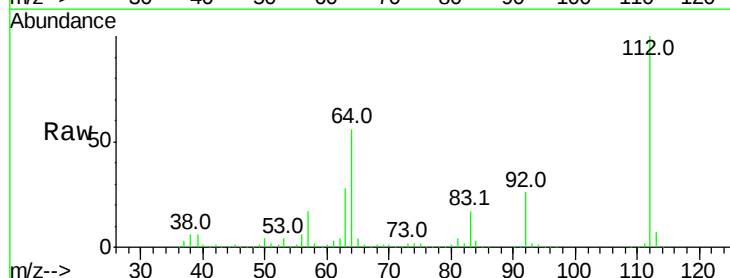
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



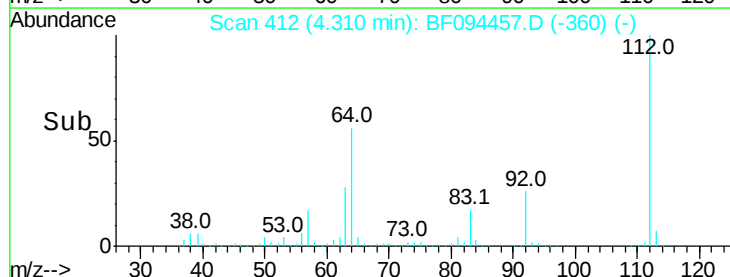
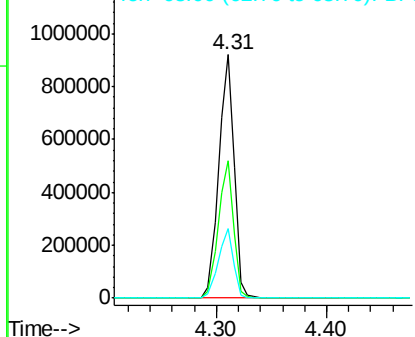
#5

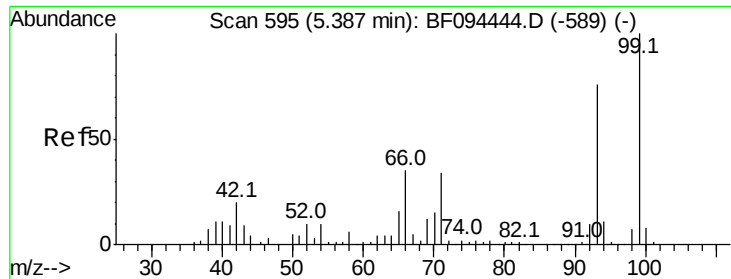
2-Fluorophenol
Concen: 98.17 ng
RT: 4.31 min Scan# 412
Delta R.T. 0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion:112 Resp: 890002
Ion Ratio Lower Upper
112 100
64 56.2 46.0 69.0
63 28.4 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





#6

Aniline

Concen: 0.02 ng

RT: 5.39 min Scan# 596

Delta R.T. 0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

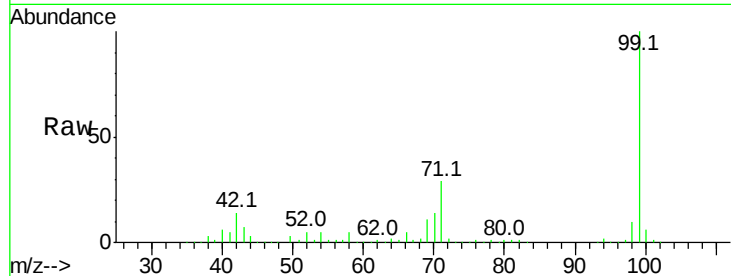
Tot Ion: 93 Resp: 241

Ion Ratio Lower Upper

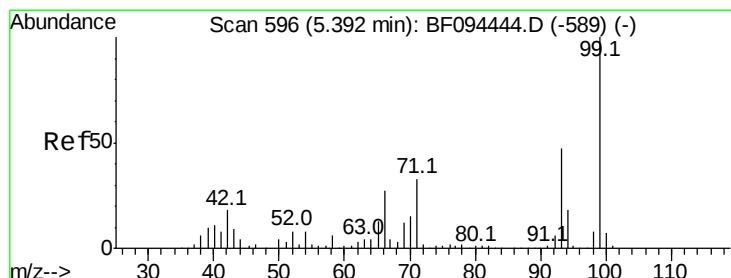
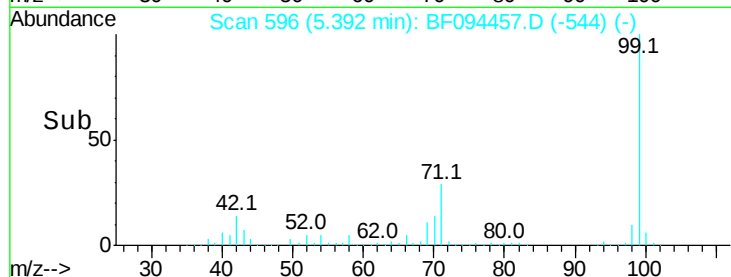
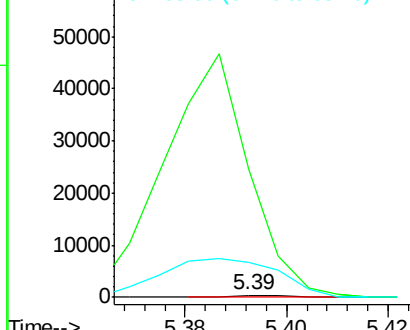
93 100

66 6896.6 32.9 49.3#

65 1915.7 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 110.00 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

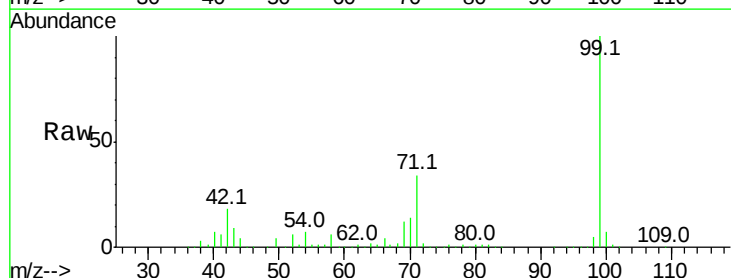
Tgt Ion: 99 Resp: 1175613

Ion Ratio Lower Upper

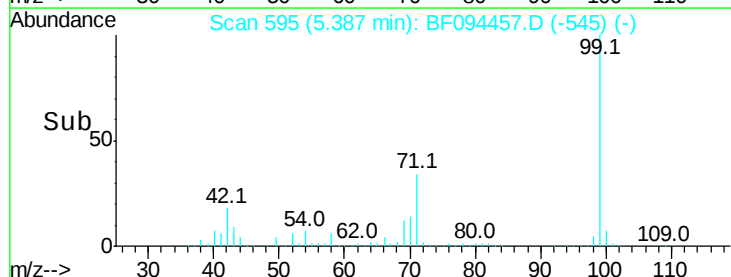
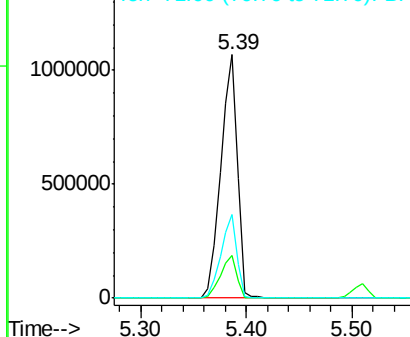
99 100

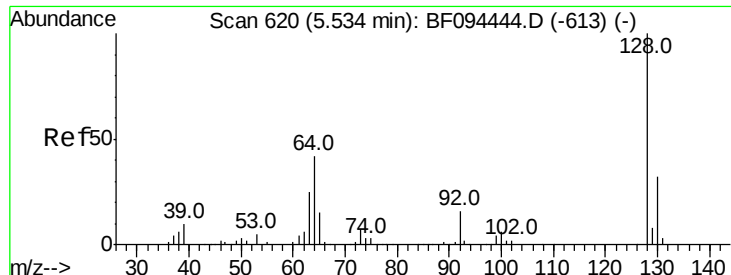
42 17.7 13.5 20.3

71 34.3 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





#8

2-Chlorophenol

Concen: 0.11 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampled :

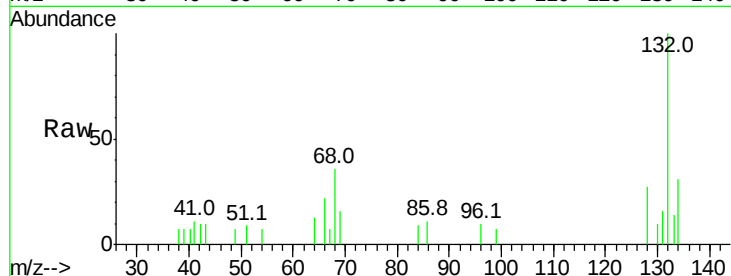
Tot Ion:128 Resp: 1090

Ion Ratio Lower Upper

128 100

130 37.1 12.9 52.9

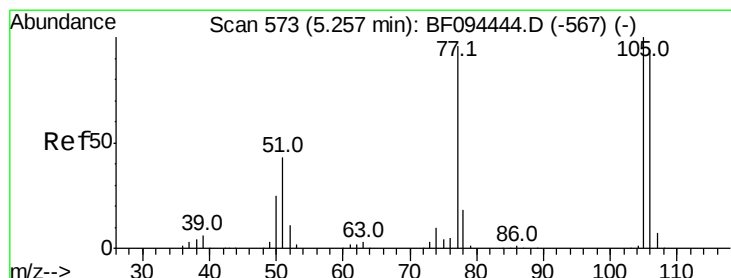
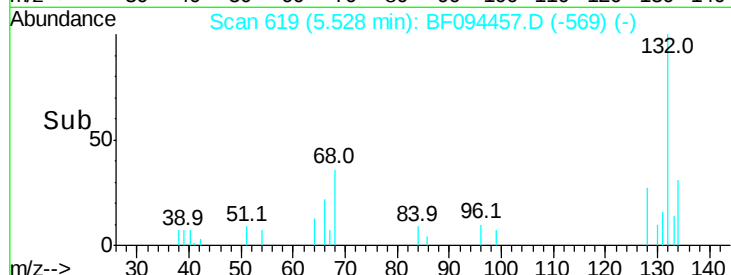
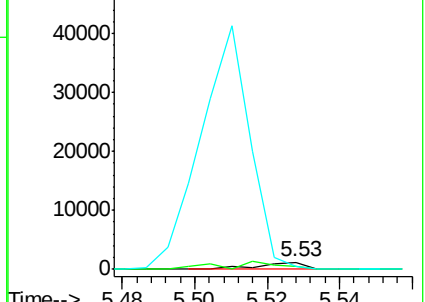
64 50.3 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 0.11 ng

RT: 5.26 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

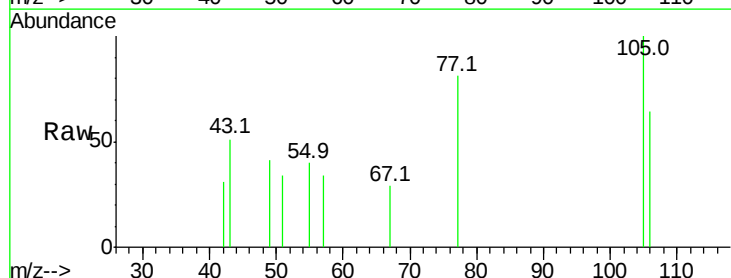
Tgt Ion: 77 Resp: 892

Ion Ratio Lower Upper

77 100

105 123.4 83.8 123.8

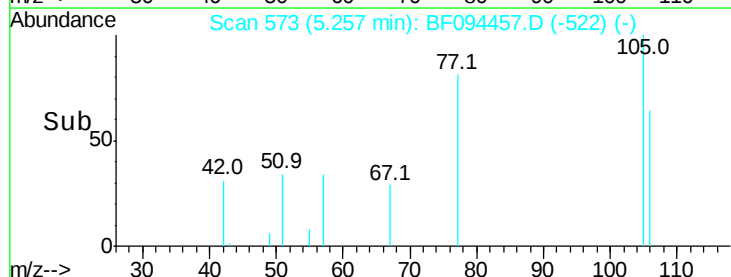
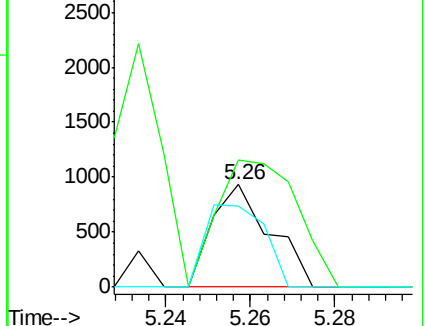
106 79.1 79.1 119.1#

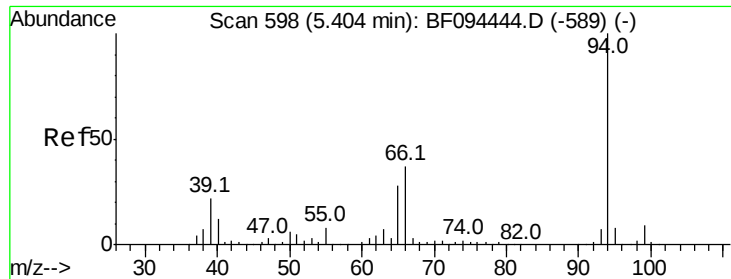


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.15 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

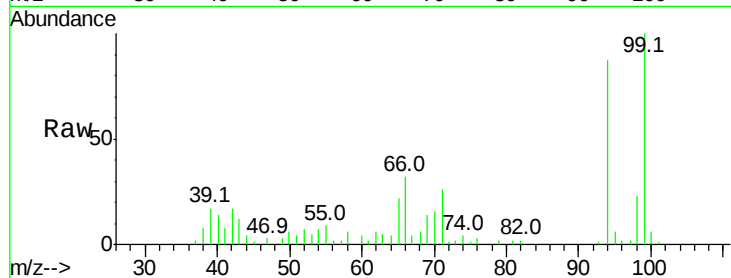
Tot Ion: 94 Resp: 15163

Ion Ratio Lower Upper

94 100

65 24.9 9.9 49.9

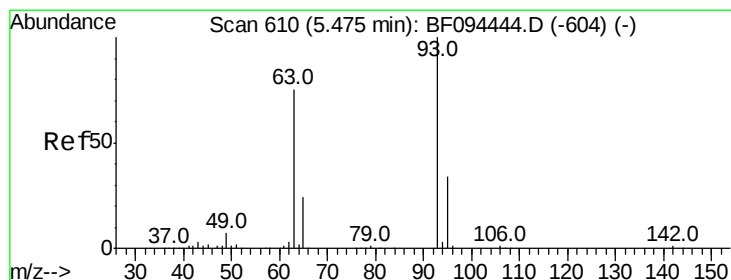
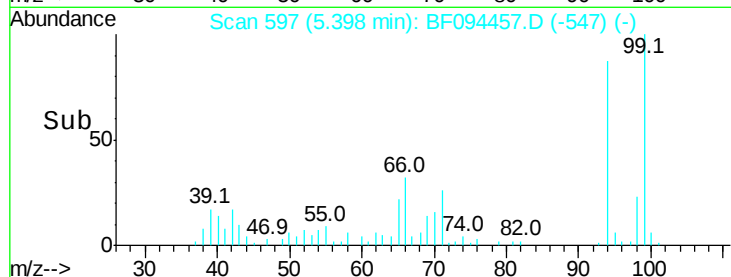
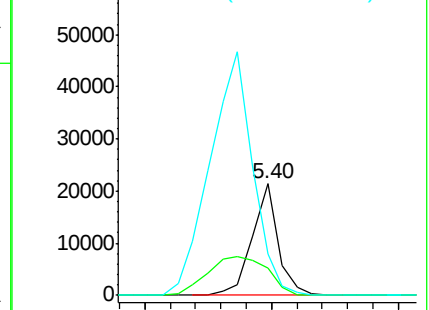
66 36.9 23.1 63.1



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



#11

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 5.51 min Scan# 616

Delta R.T. 0.04 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

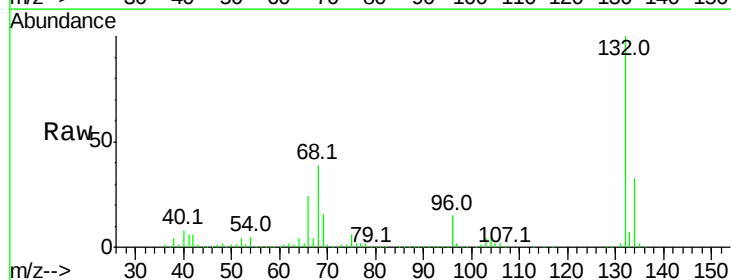
Tgt Ion: 93 Resp: 1295

Ion Ratio Lower Upper

93 100

63 731.6 59.2 99.2#

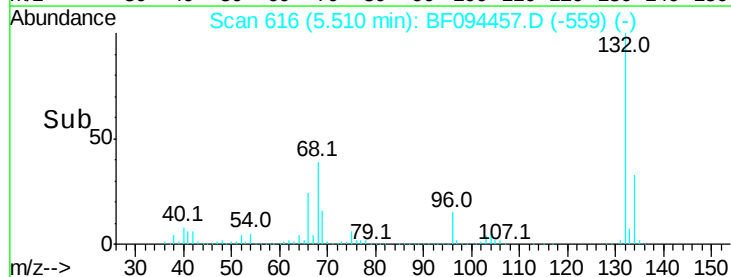
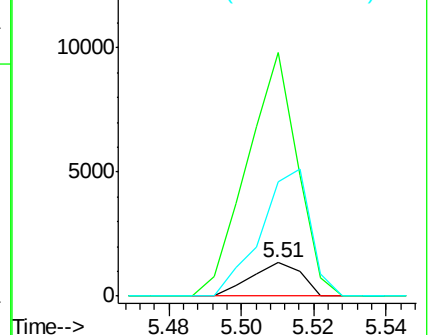
95 342.8 12.8 52.8#

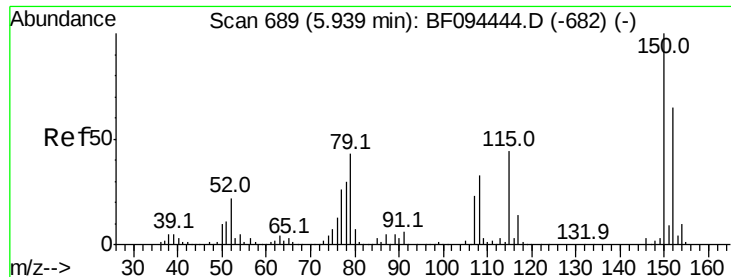


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

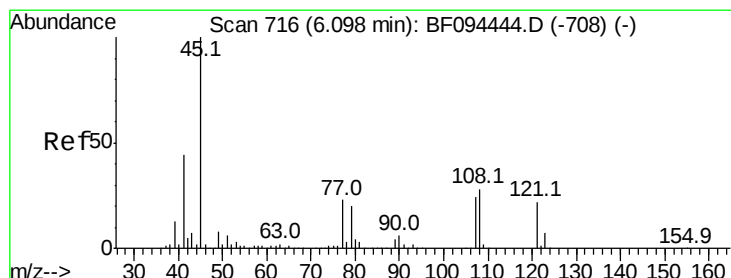
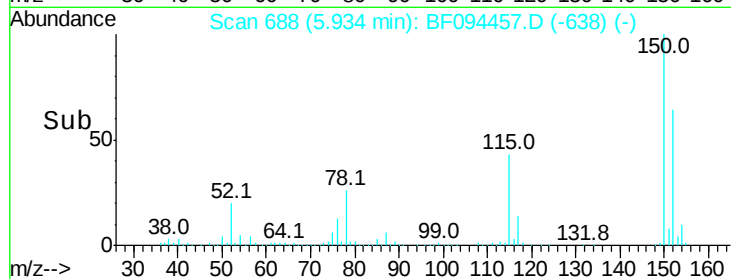
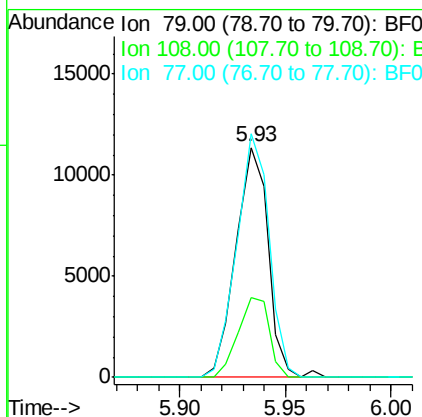
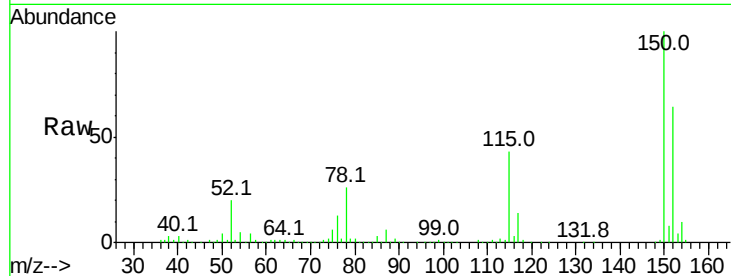




#15
Benzyl Alcohol
Concen: 1.52 ng
RT: 5.93 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

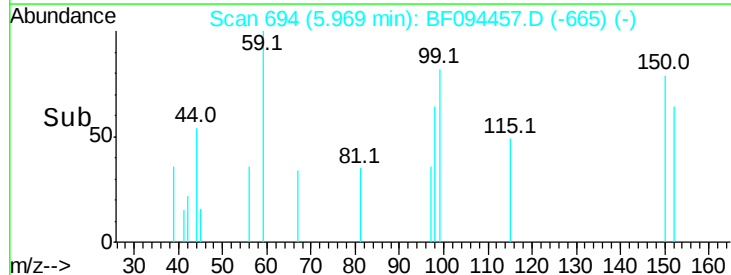
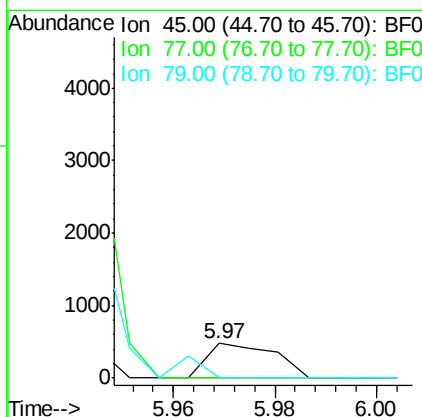
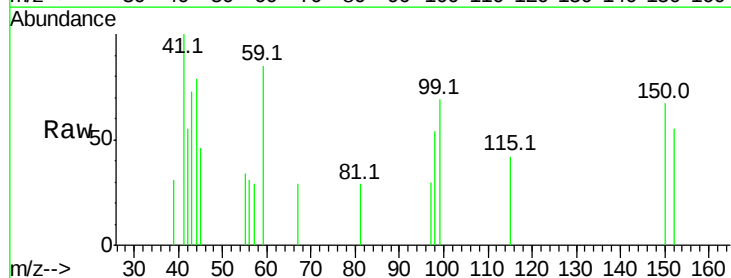
Instrument :
BNA_F
ClientSampleId :

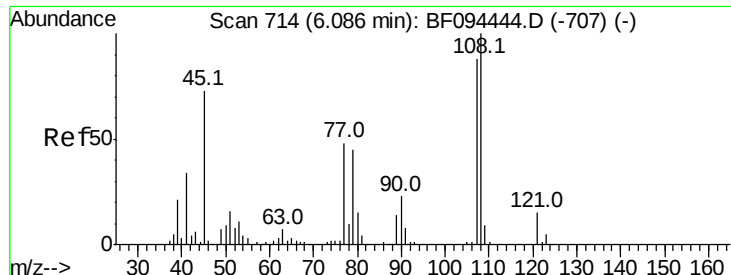
Tot Ion: 79 Resp: 12039
Ion Ratio Lower Upper
79 100
108 34.8 63.4 95.0#
77 105.9 49.2 73.8#



#16
2,2'-oxybis(1-chloropropane)
Concen: 0.04 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.13 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion: 45 Resp: 442
Ion Ratio Lower Upper
45 100
77 0.0 0.0 33.2
79 0.0 0.0 30.0





#17

2-Methylphenol

Concen: 0.02 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.15 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 143

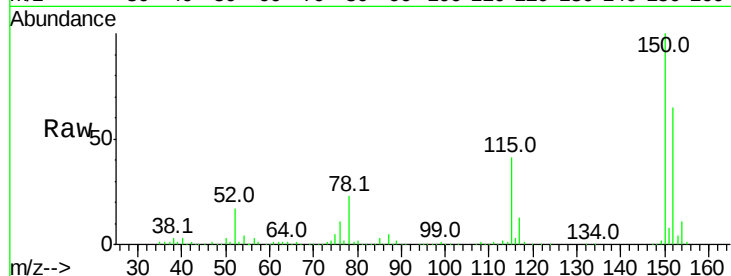
Ion Ratio Lower Upper

107 100

108 930.7 93.4 140.0#

77 2475.2 35.8 53.6#

79 2334.4 34.8 52.2#

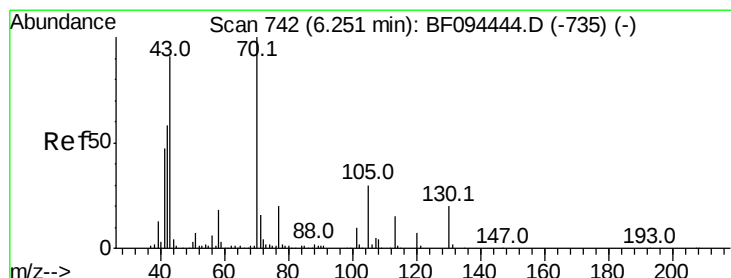
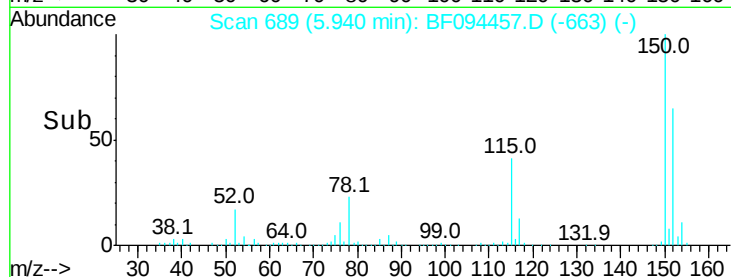
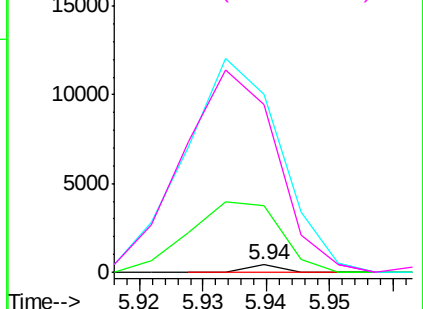


Abundance Ion 107.00 (106.70 to 107.70): E

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



#19

n-Nitroso-di-n-propylamine

Concen: 14.56 ng

RT: 6.41 min Scan# 769

Delta R.T. 0.16 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Tgt Ion: 70 Resp: 103084

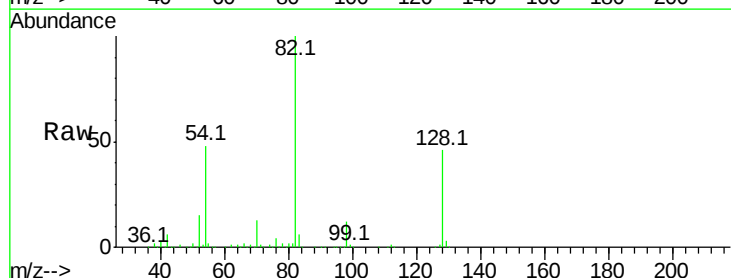
Ion Ratio Lower Upper

70 100

42 45.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

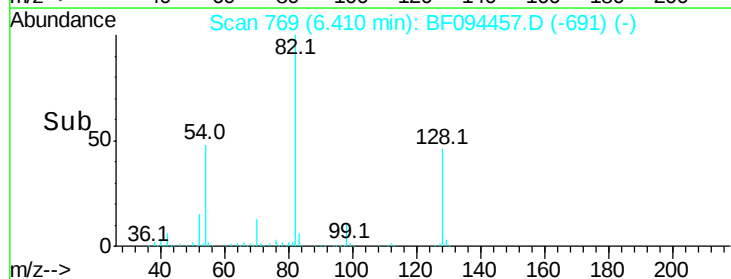
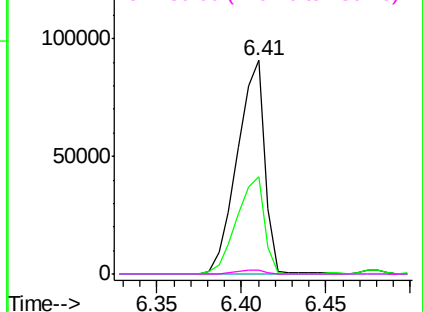


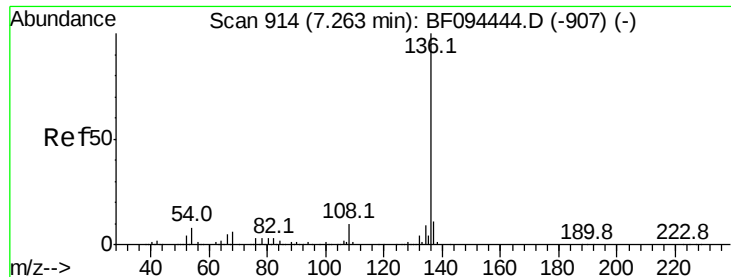
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.26 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

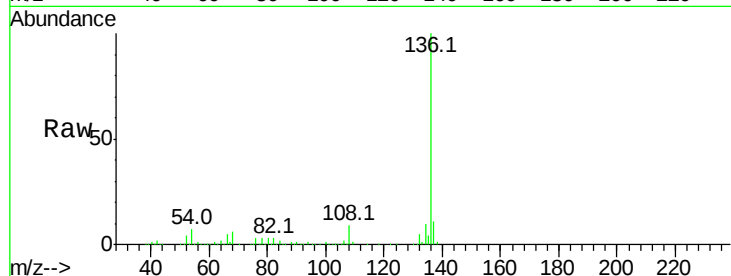
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 614283

Ion Ratio Lower Upper

136	100		
137	11.3	8.5	12.7
54	7.4	4.9	7.3#
68	5.8	4.1	6.1

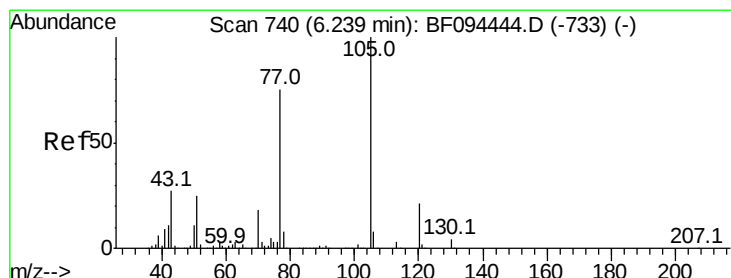
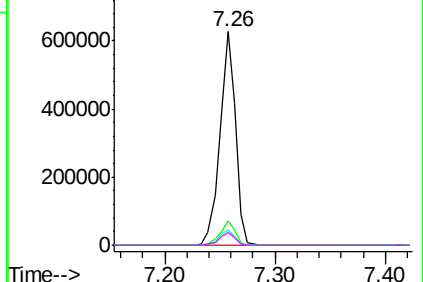
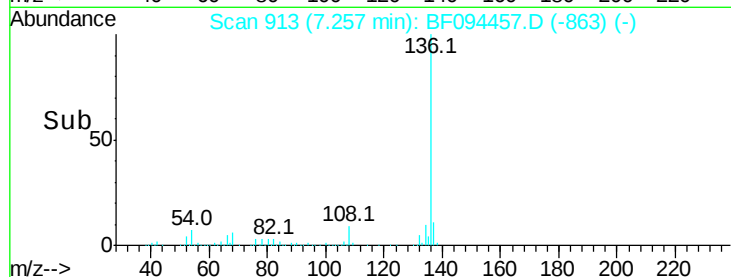


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.08 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.01 min

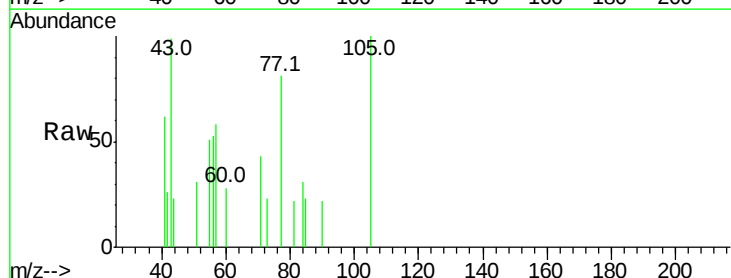
Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Tgt Ion:105 Resp: 1264

Ion Ratio Lower Upper

105	100		
71	42.8	2.8	4.2#
51	31.4	30.7	46.1
120	0.0	17.4	26.0#

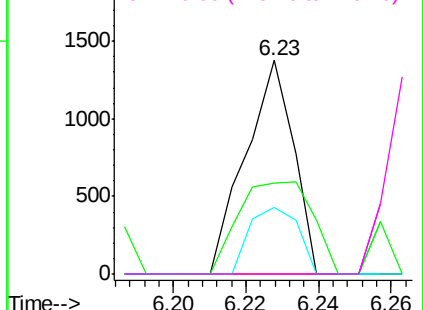
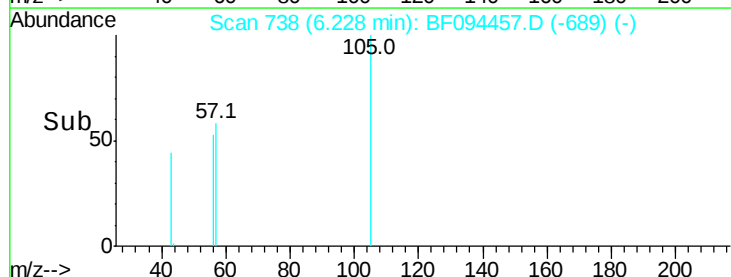


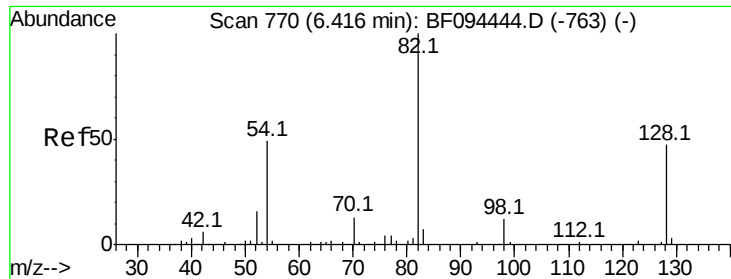
Abundance Ion 105.00 (104.70 to 105.70): E

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

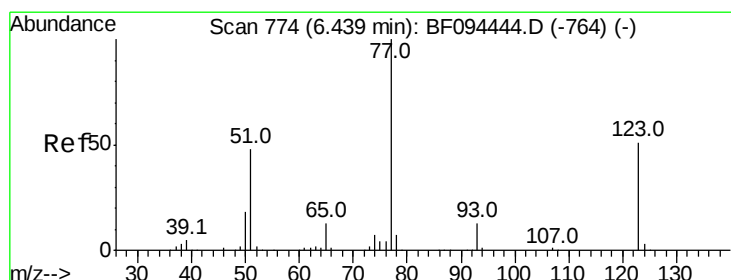
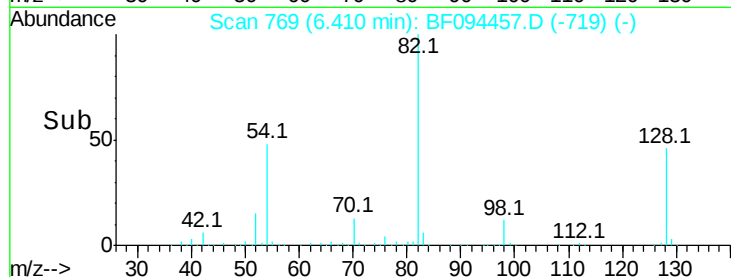
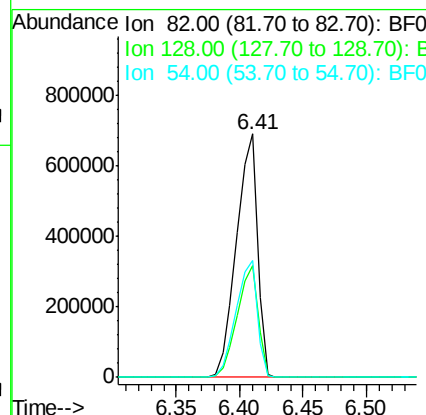
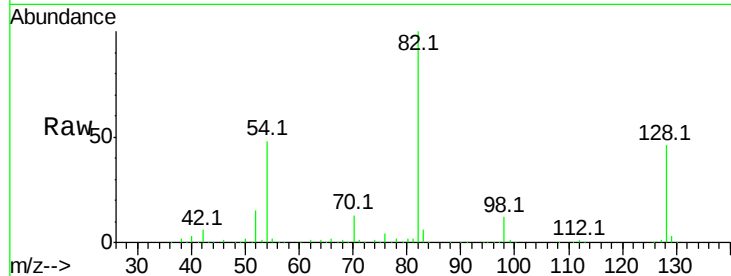




#23
 Nitrobenzene-d5
 Concen: 79.07 ng
 RT: 6.41 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

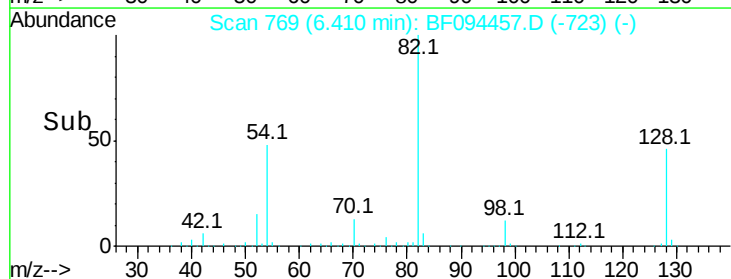
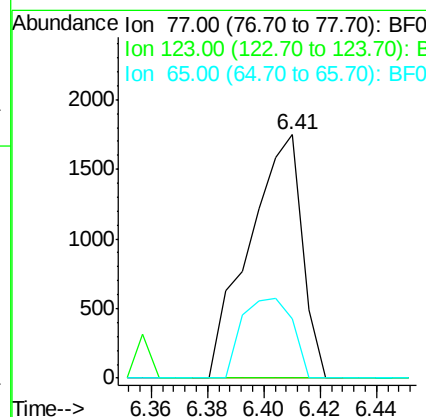
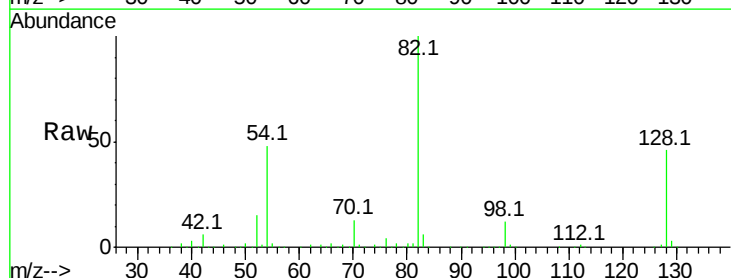
Instrument :
 BNA_F
 ClientSampled :

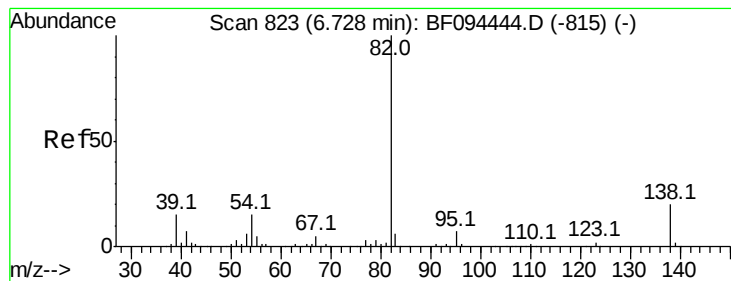
Tot Ion: 82 Resp: 786601
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 48.2 42.2 63.2



#24
 Nitrobenzene
 Concen: 0.22 ng
 RT: 6.41 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

Tgt Ion: 77 Resp: 2273
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 24.2 10.6 15.8#





#25

Isophorone

Concen: 0.02 ng

RT: 6.74 min Scan# 825

Delta R.T. 0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampled :

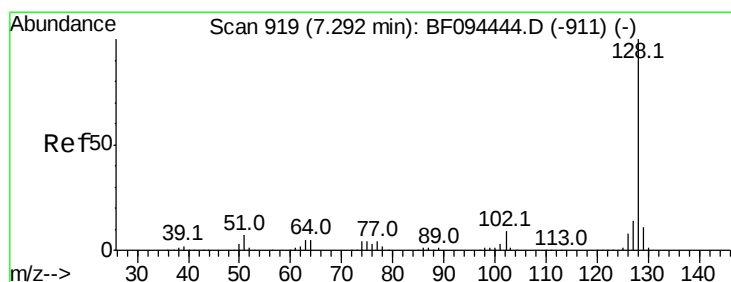
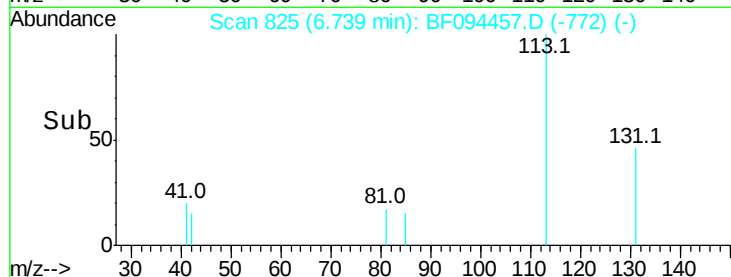
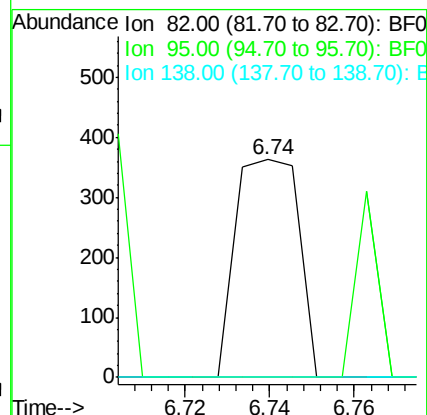
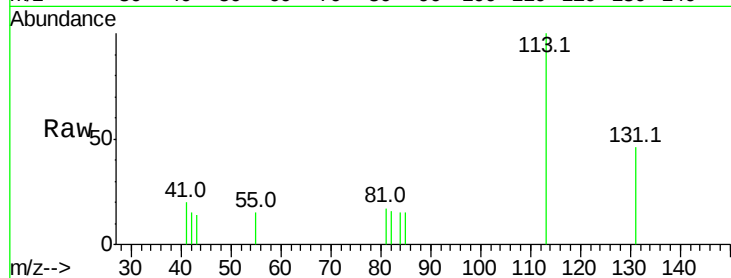
Tot Ion: 82 Resp: 376

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#31

Naphthalene

Concen: 0.24 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

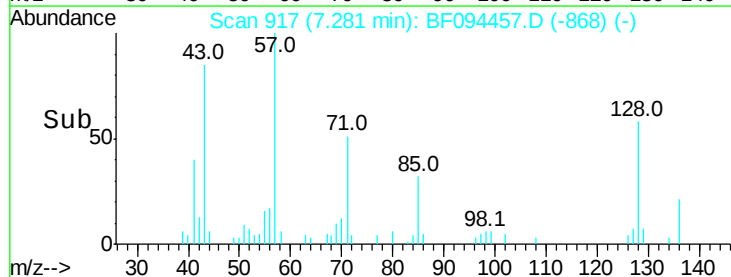
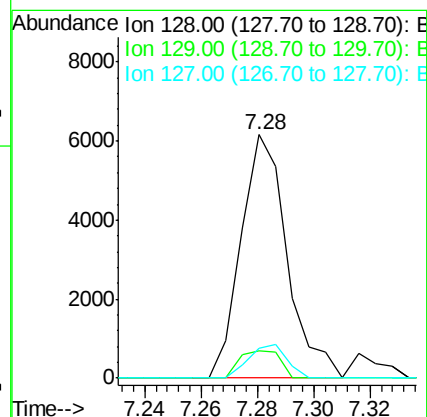
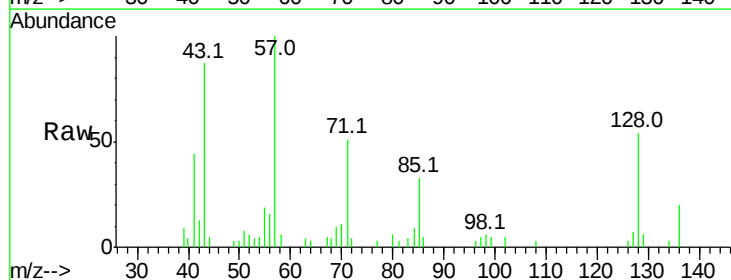
Tgt Ion: 128 Resp: 6977

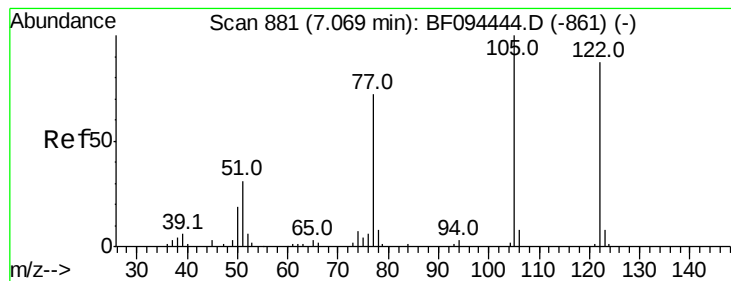
Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

127 12.1 10.8 16.2





#32

Benzoic acid

Concen: 0.02 ng

RT: 7.26 min Scan# 913

Delta R.T. 0.19 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

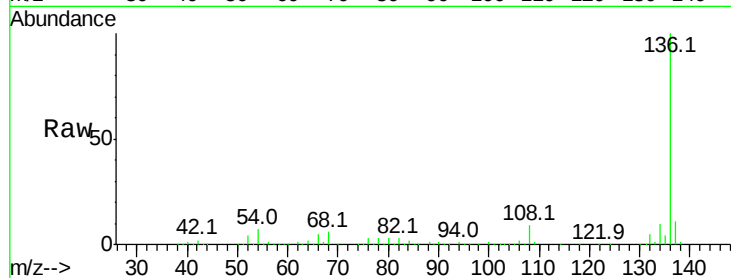
Tot Ion:122 Resp: 117

Ion Ratio Lower Upper

122 100

105 258.3 103.3 143.3#

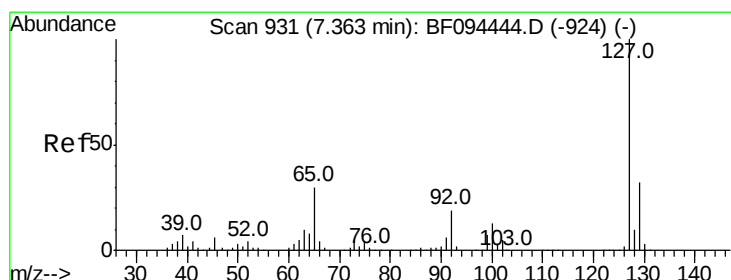
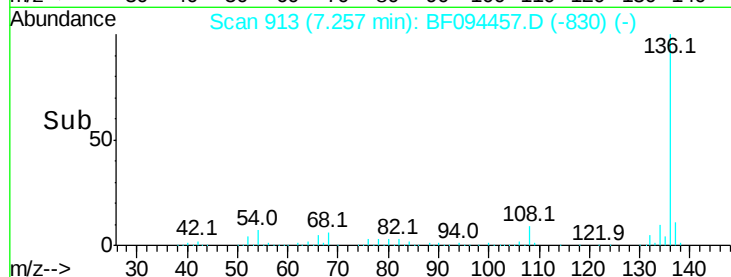
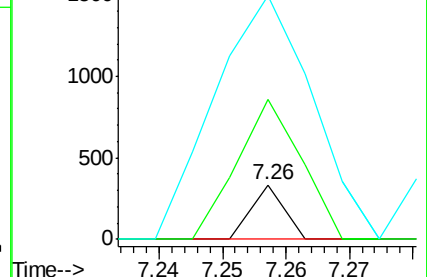
77 448.6 73.7 113.7#



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: 0.07 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.08 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Tgt Ion:127 Resp: 800

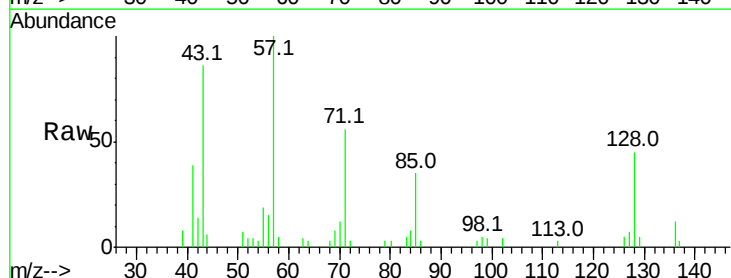
Ion Ratio Lower Upper

127 100

129 75.8 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

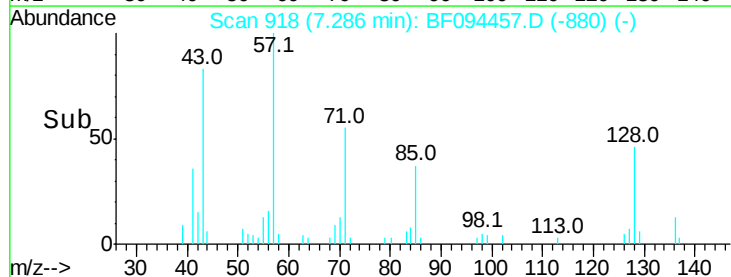
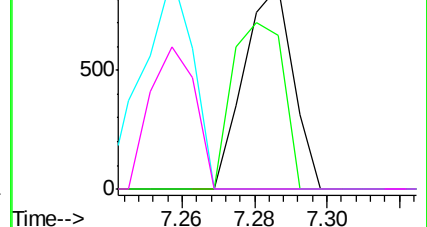


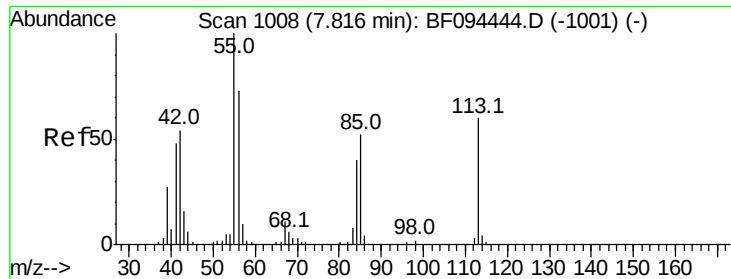
Abundance Ion 127.00 (126.70 to 127.70): E

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: 0.22 ng

RT: 7.82 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

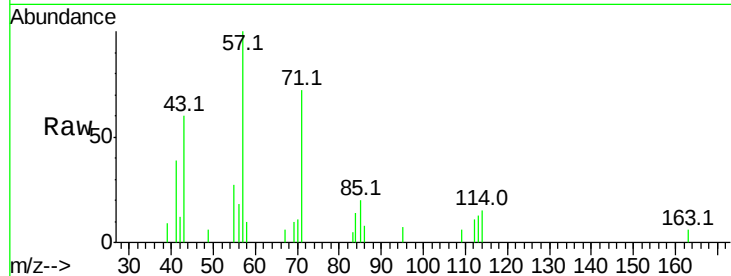
Tot Ion:113 Resp: 593

Ion Ratio Lower Upper

113 100

55 211.9 150.2 190.2#

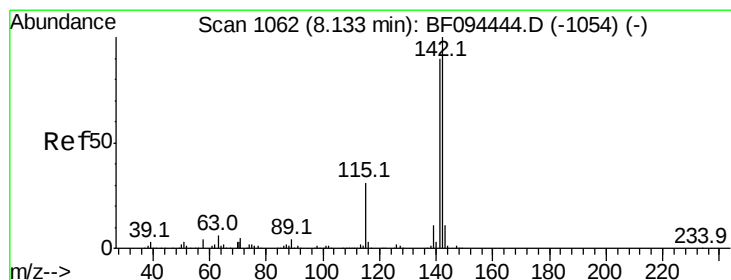
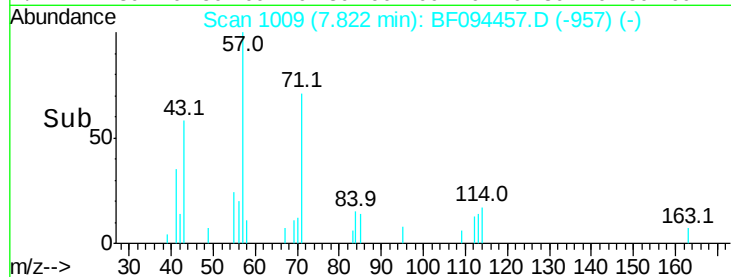
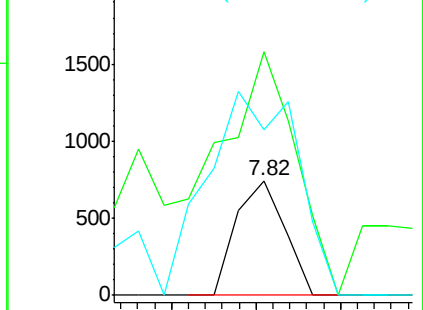
56 143.6 107.8 147.8



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: 0.22 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

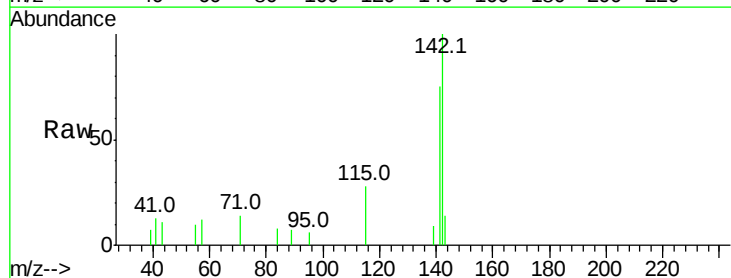
Tgt Ion:142 Resp: 4509

Ion Ratio Lower Upper

142 100

141 75.2 71.3 106.9

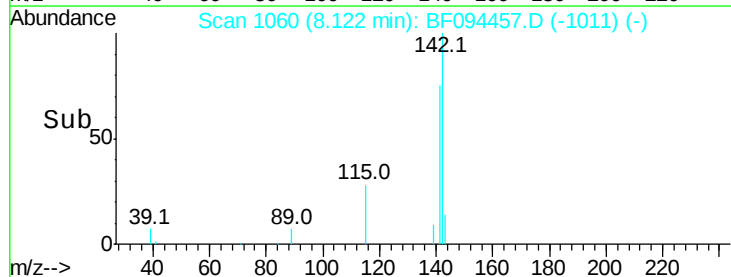
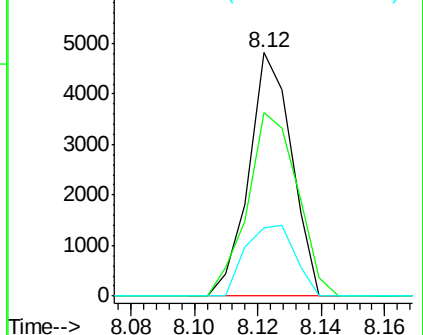
115 27.8 27.1 40.7

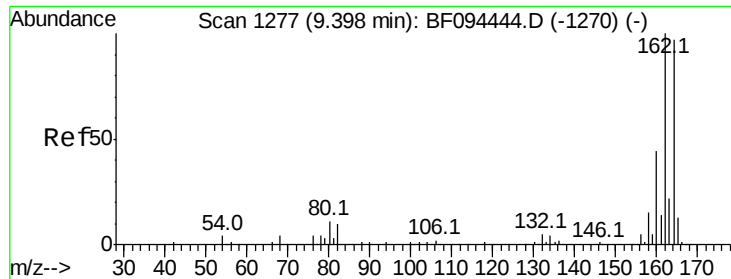


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.39 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

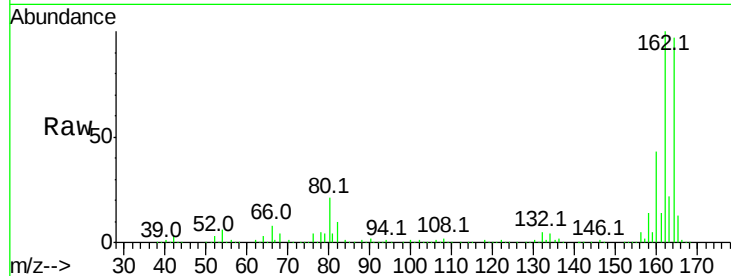
Tot Ion:164 Resp: 297171

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

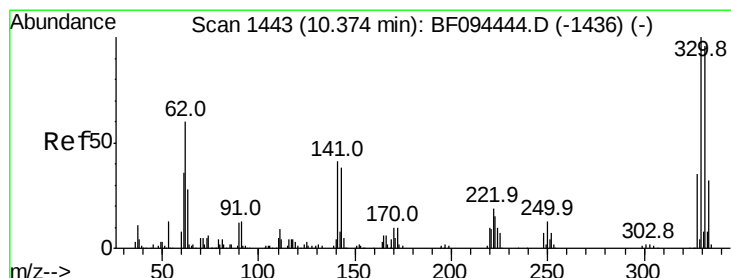
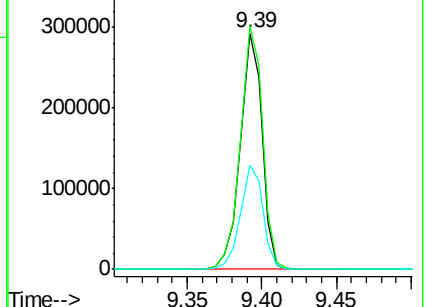
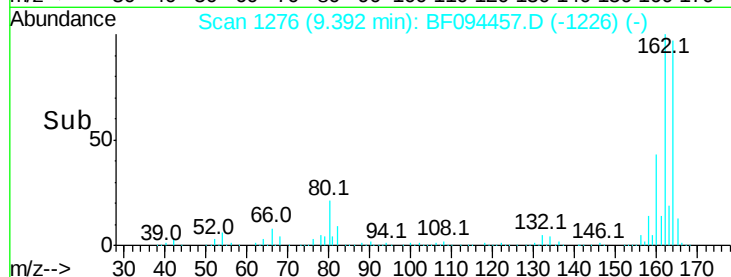
160 44.1 36.2 54.2



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: 86.57 ng

RT: 10.37 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

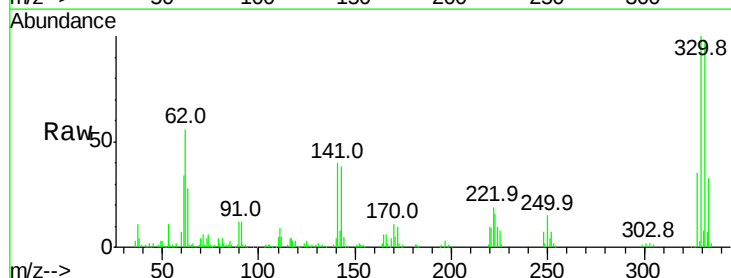
Tgt Ion:330 Resp: 201220

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

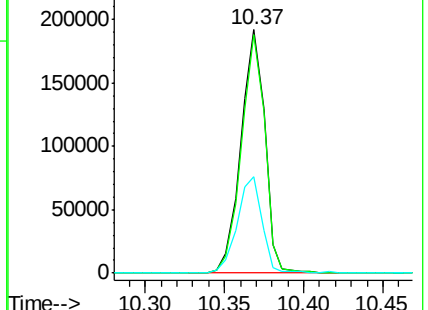
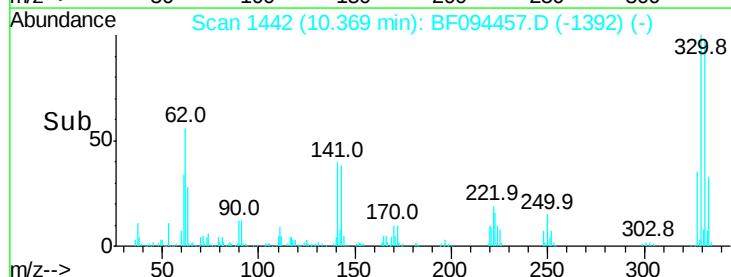
141 41.6 31.4 47.2

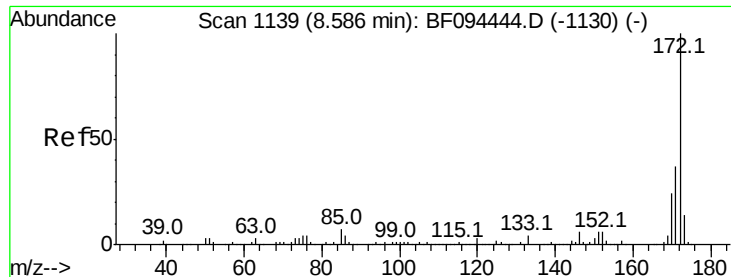


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

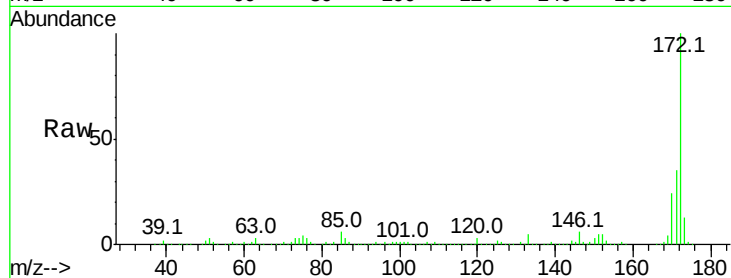




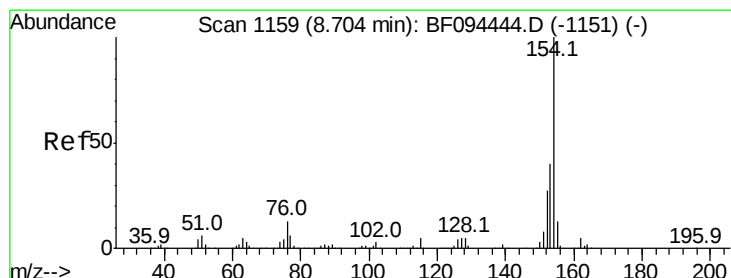
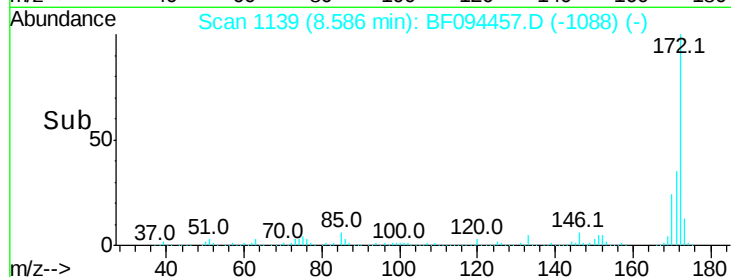
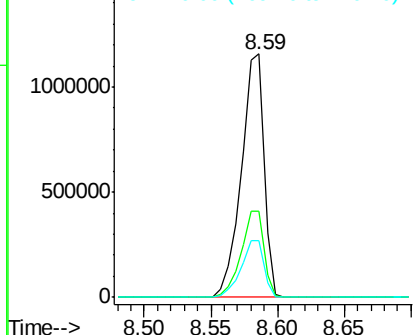
#44
2-Fluorobiphenyl
Concen: 67.35 ng
RT: 8.59 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1360224
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.5 19.8 29.8

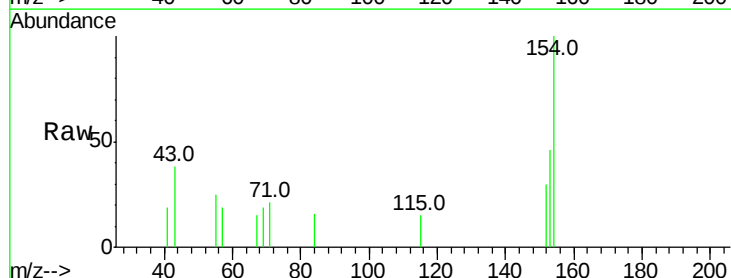


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

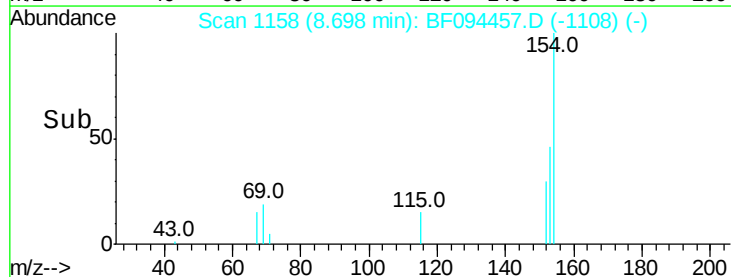
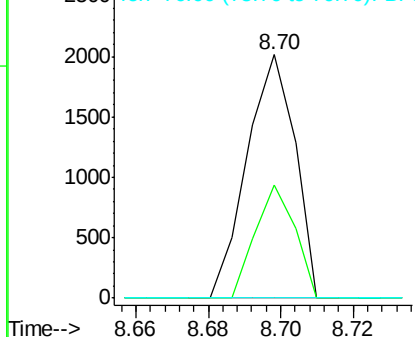


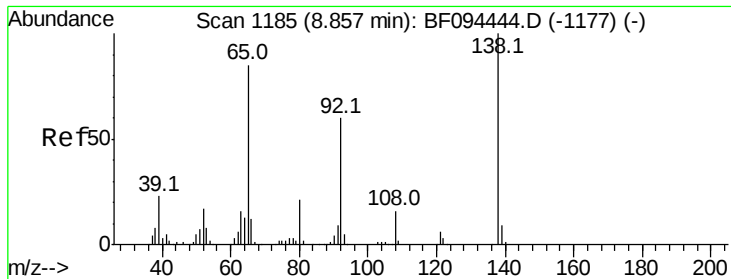
#45
1,1'-Biphenyl
Concen: 0.08 ng
RT: 8.70 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion:154 Resp: 1851
Ion Ratio Lower Upper
154 100
153 46.5 21.2 61.2
76 0.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

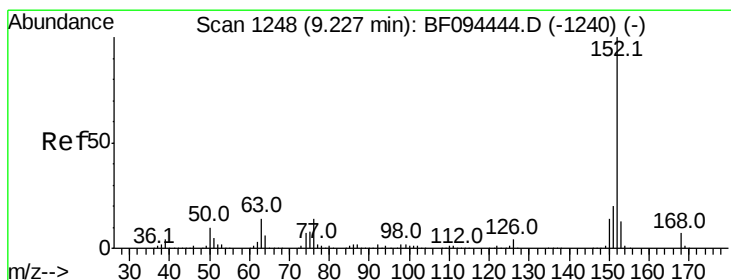
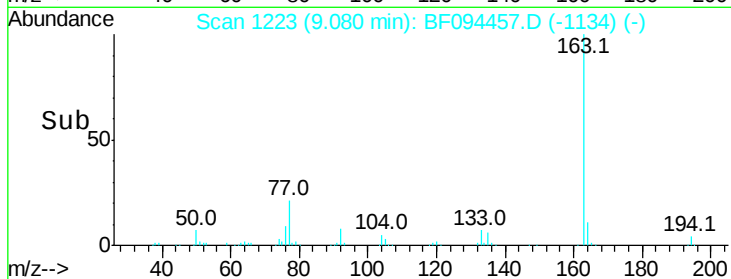
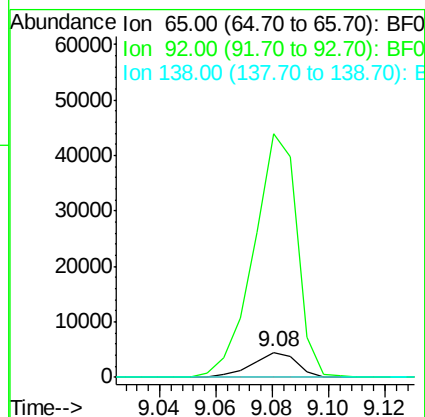
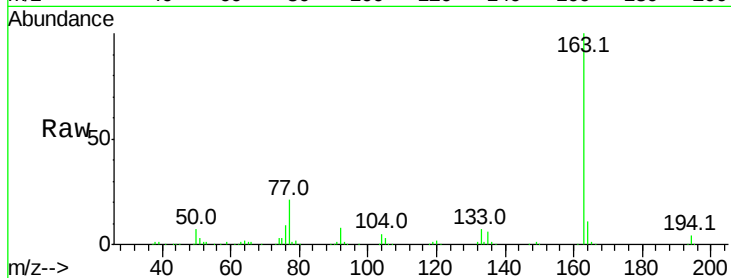




#47
2-Nitroaniline
Concen: 0.88 ng
RT: 9.08 min Scan# 1223
Delta R.T. 0.22 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

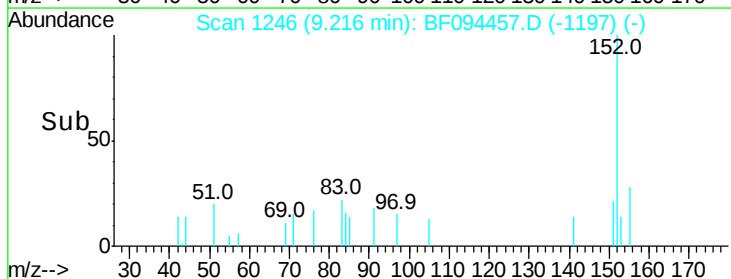
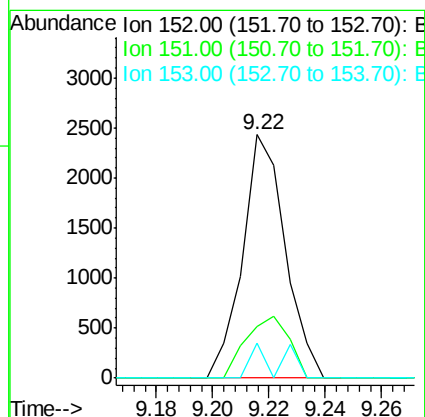
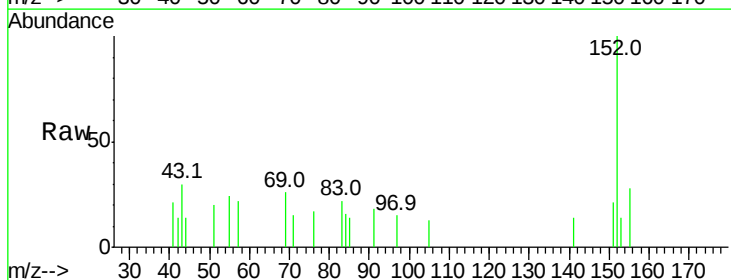
Instrument :
BNA_F
ClientSampled :

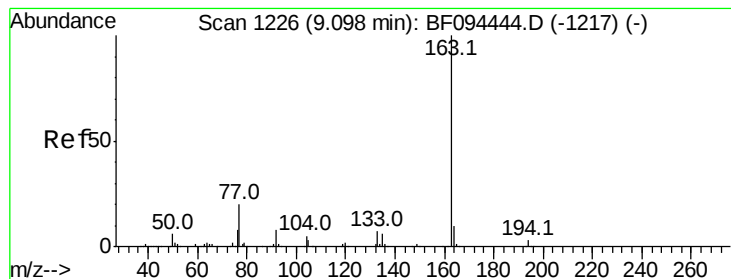
Tot Ion: 65 Resp: 4880
Ion Ratio Lower Upper
65 100
92 971.4 53.9 80.9#
138 0.0 78.8 118.2#



#48
Acenaphthylene
Concen: 0.08 ng
RT: 9.22 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion: 152 Resp: 2548
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2
153 14.4 10.8 16.2





#49

Dimethylphthalate

Concen: 26.31 ng

RT: 9.09 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

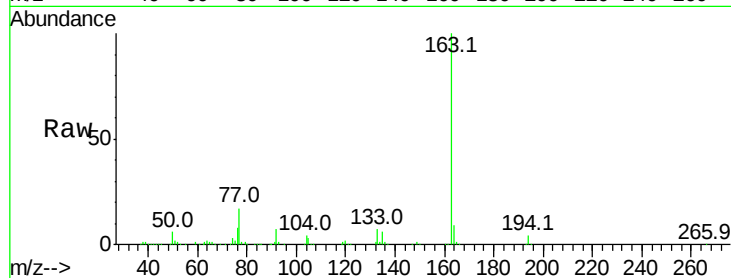
Tot Ion:163 Resp: 582612

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

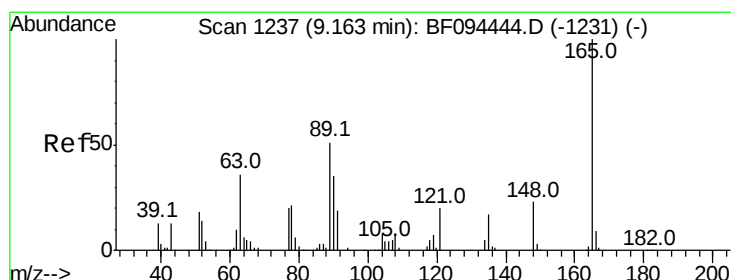
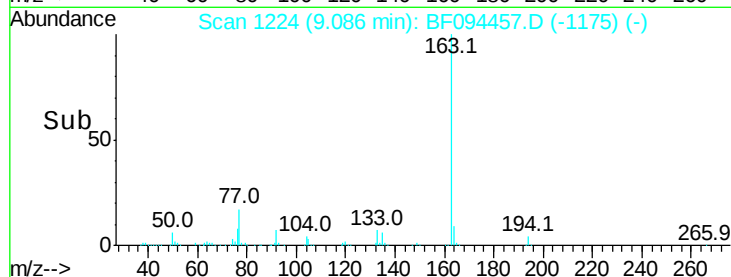
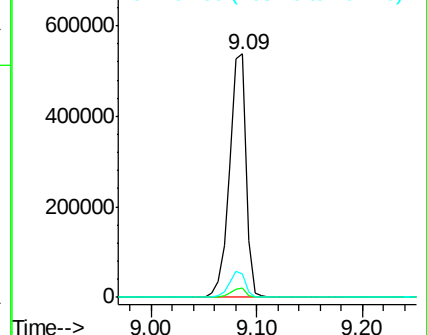
164 9.5 8.4 12.6



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: 1.32 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.08 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

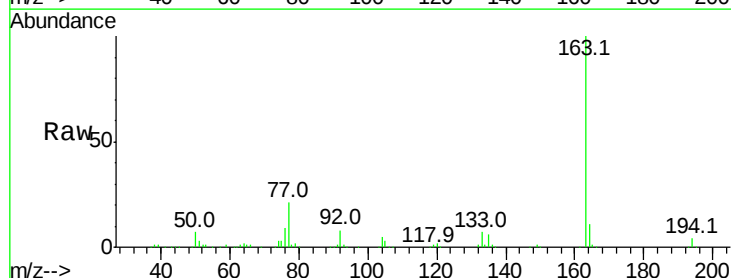
Tgt Ion:165 Resp: 6586

Ion Ratio Lower Upper

165 100

63 122.5 34.3 51.5#

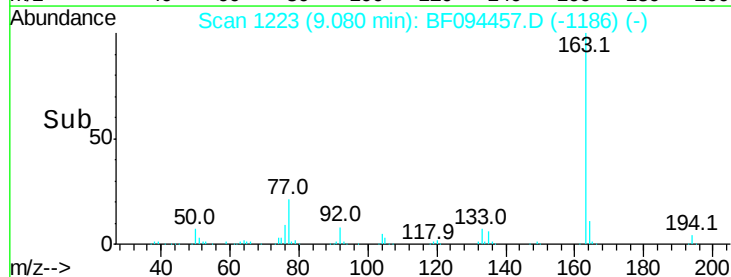
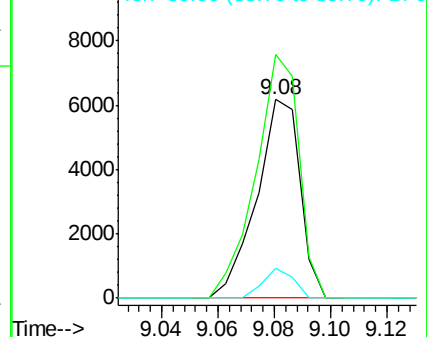
89 14.9 37.1 55.7#

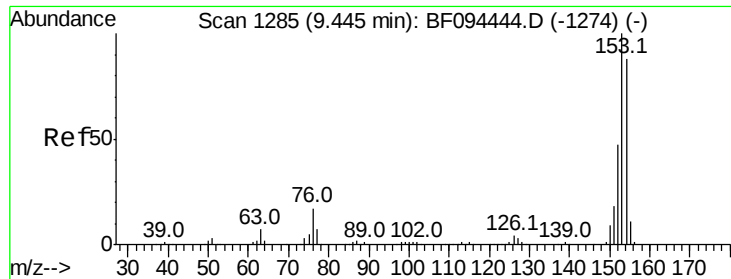


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.15 ng

RT: 9.43 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

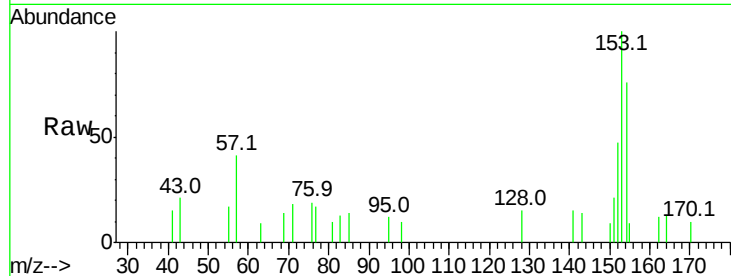
Tot Ion:154 Resp: 2744

Ion Ratio Lower Upper

154 100

153 131.3 90.5 135.7

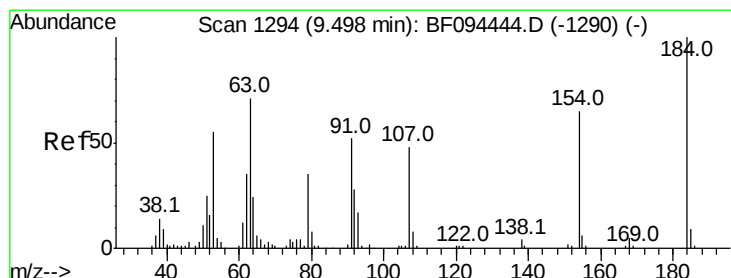
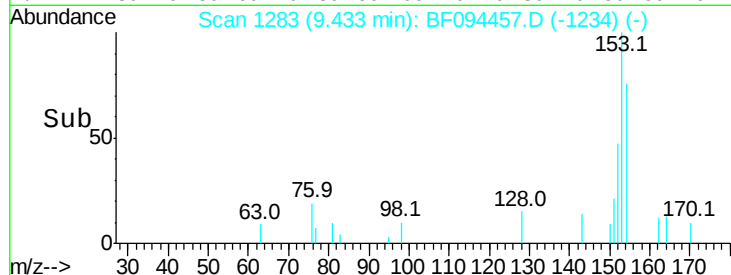
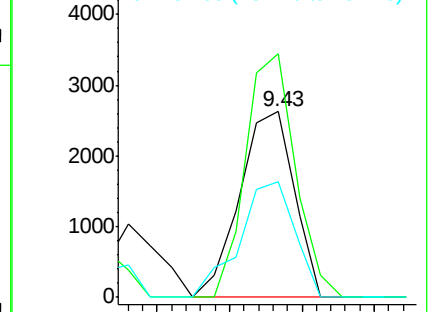
152 62.1 43.6 65.4



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: 5.80 ng

RT: 9.76 min Scan# 1338

Delta R.T. 0.26 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

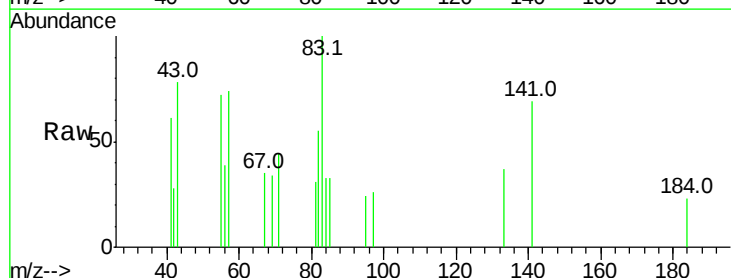
Tgt Ion:184 Resp: 109

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

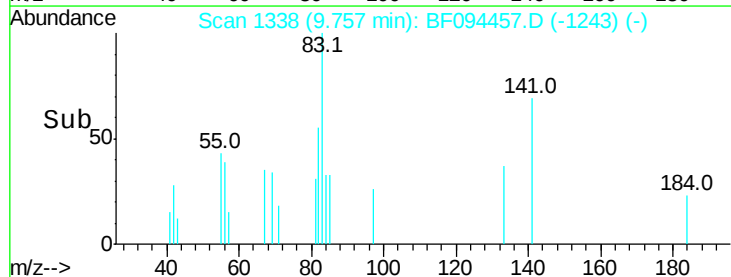
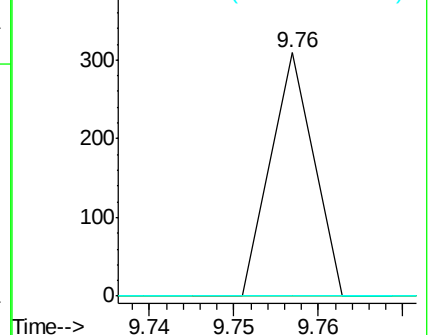
154 0.0 81.1 121.7#

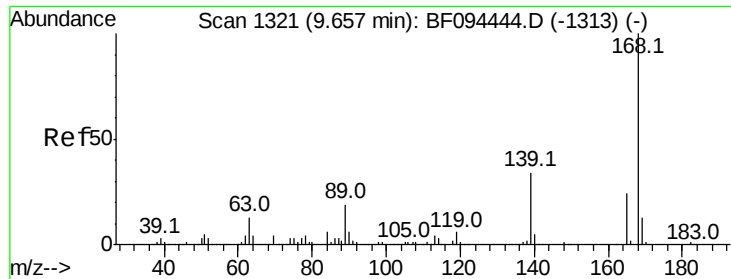


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

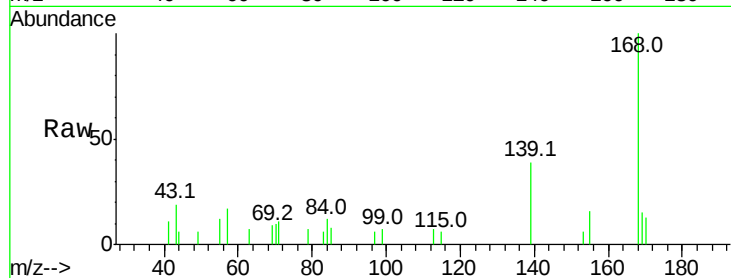




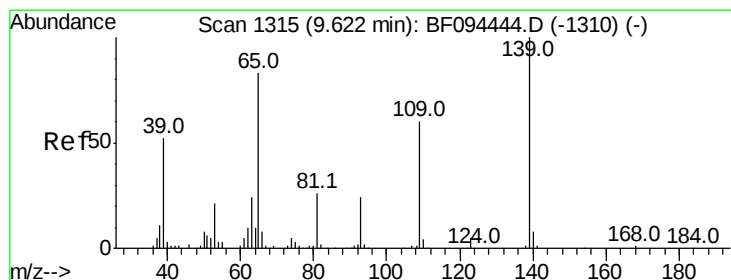
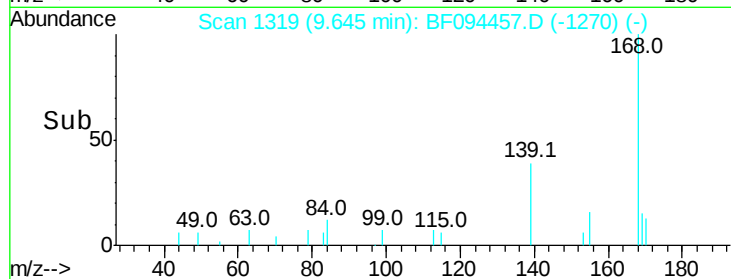
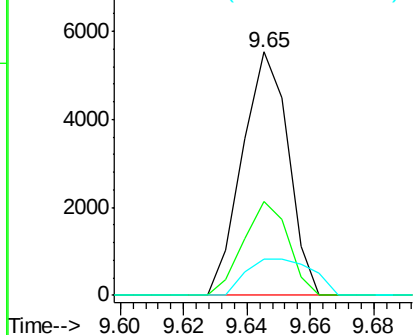
#54
Dibenzofuran
Concen: 0.21 ng
RT: 9.65 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 5546
Ion Ratio Lower Upper
168 100
139 38.6 30.6 45.8
169 15.0 10.8 16.2

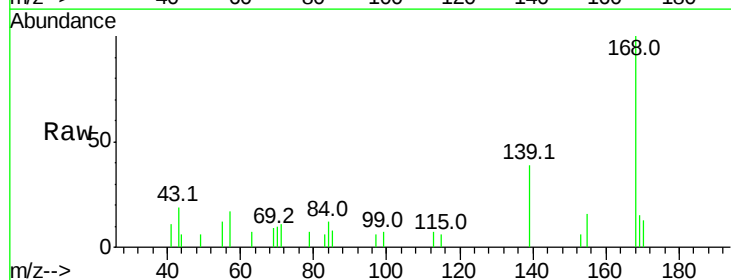


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

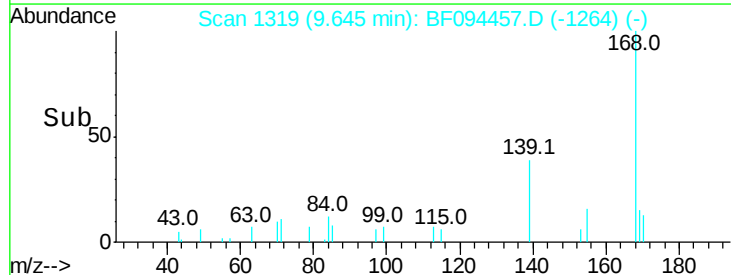
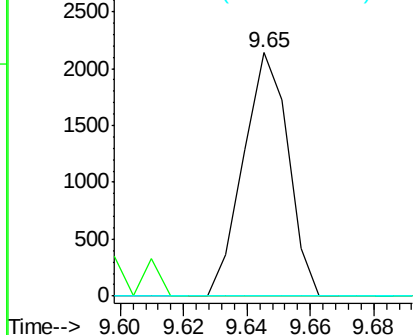


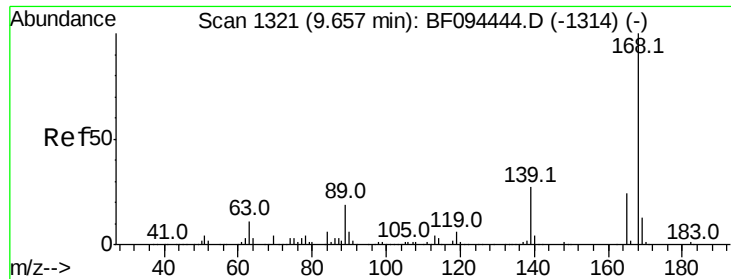
#55
4-Nitrophenol
Concen: 0.52 ng
RT: 9.65 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion:139 Resp: 2096
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

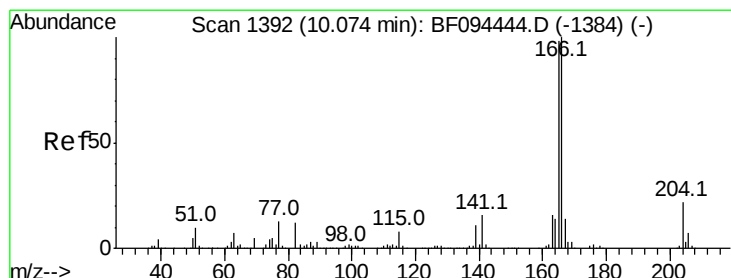
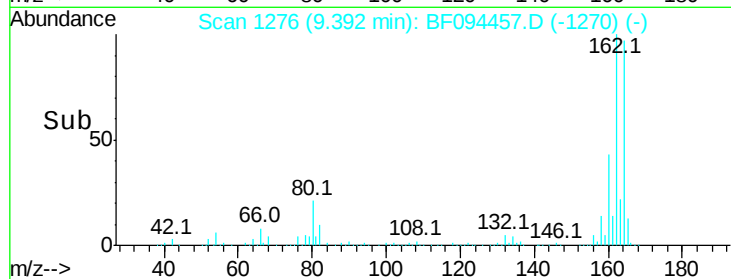
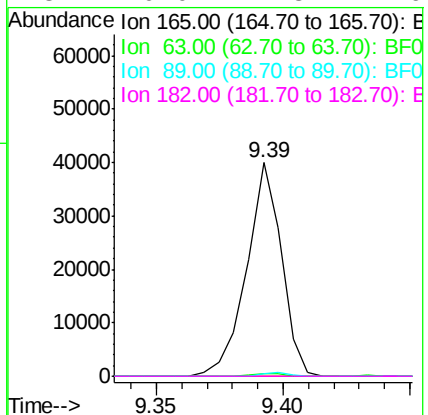
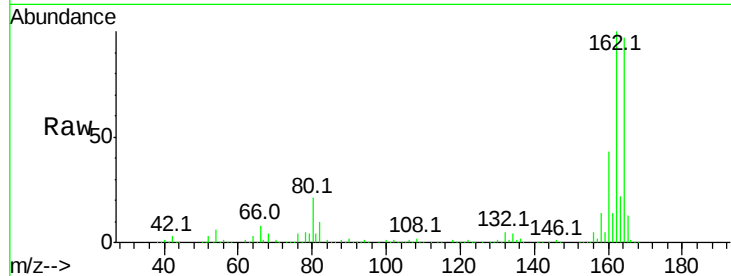




#56
2,4-Dinitrotoluene
Concen: 6.29 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.26 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

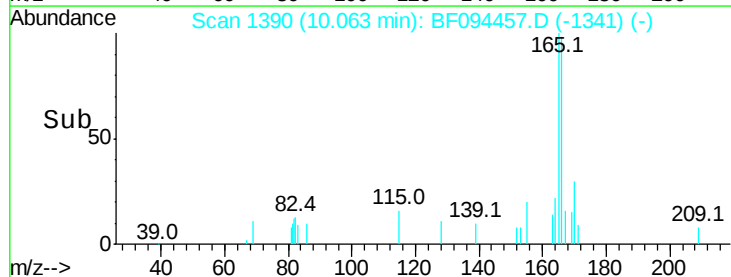
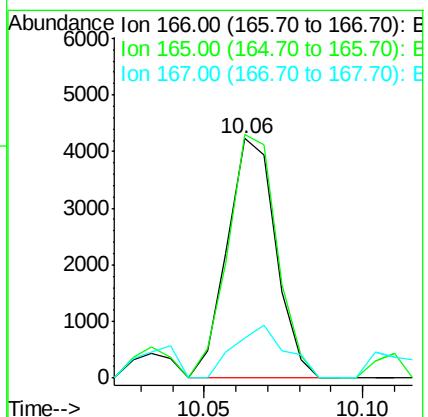
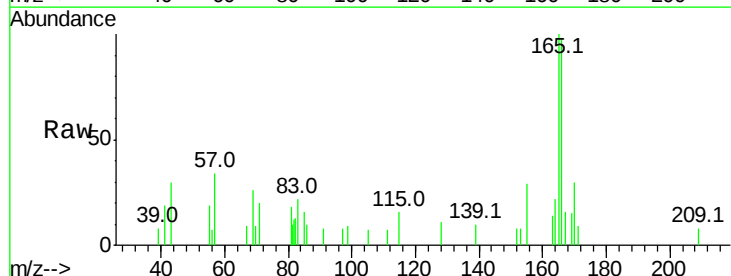
Instrument :
BNA_F
ClientSampleId :

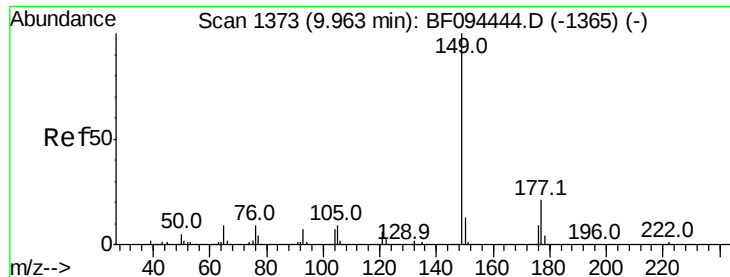
Tot Ion:165 Resp: 38372
Ion Ratio Lower Upper
165 100
63 1.1 25.4 38.0#
89 1.3 46.4 69.6#
182 0.0 1.8 2.6#



#57
Fluorene
Concen: 0.22 ng
RT: 10.06 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion:166 Resp: 4489
Ion Ratio Lower Upper
166 100
165 101.7 78.8 118.2
167 16.7 10.6 16.0#





#59

Diethylphthalate

Concen: 0.10 ng

RT: 9.95 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

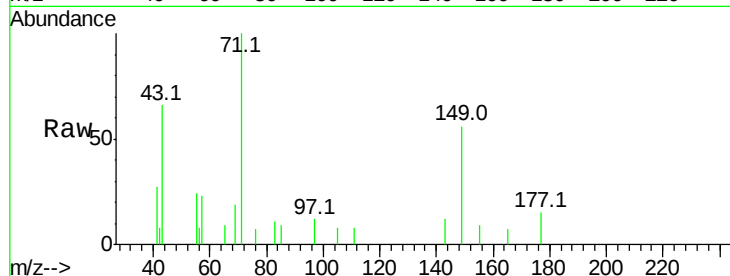
Tot Ion:149 Resp: 2192

Ion Ratio Lower Upper

149 100

177 26.9 16.7 25.1#

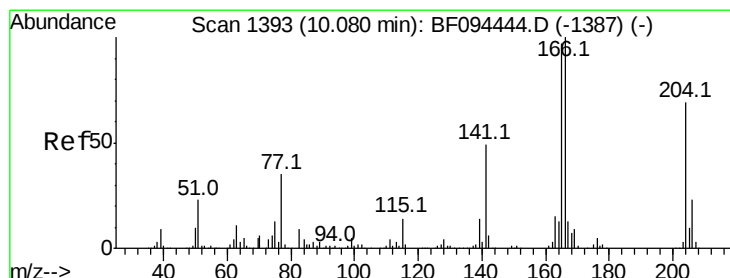
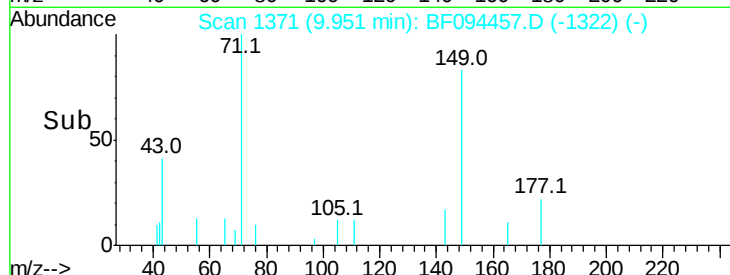
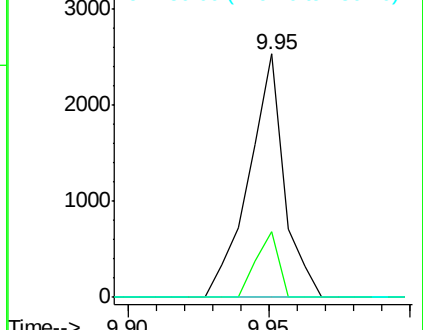
150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 0.09 ng

RT: 9.84 min Scan# 1352

Delta R.T. -0.24 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

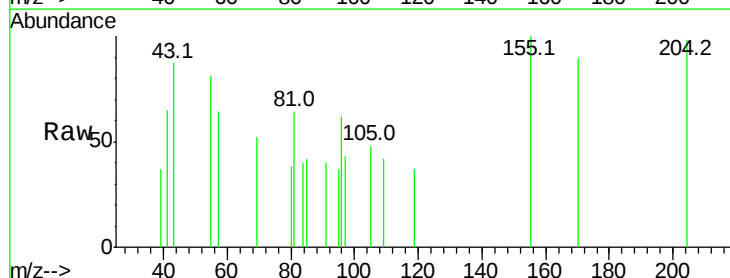
Tgt Ion:204 Resp: 778

Ion Ratio Lower Upper

204 100

206 0.0 26.2 39.2#

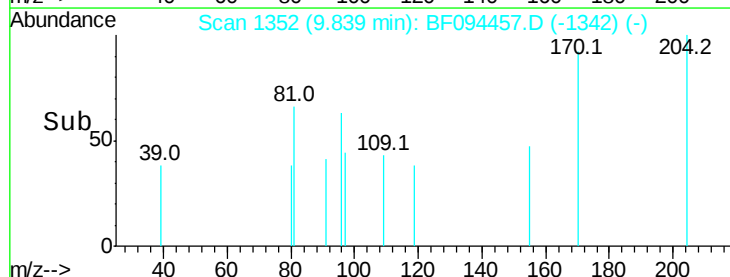
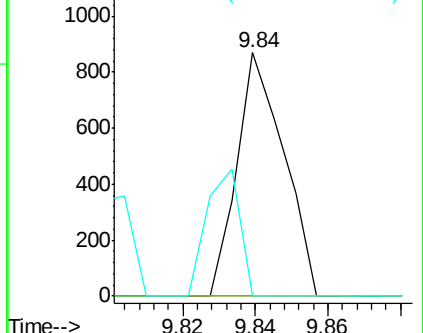
141 0.0 60.8 91.2#

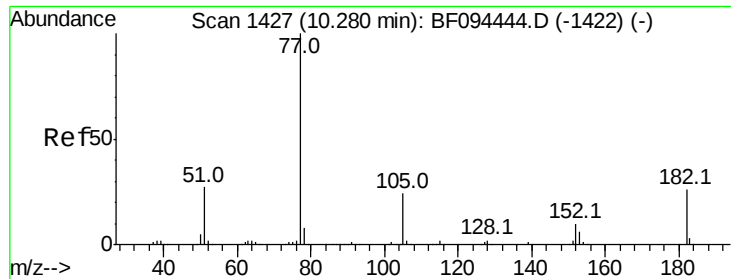


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#62

Azobenzene

Concen: 0.04 ng

RT: 10.27 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 901

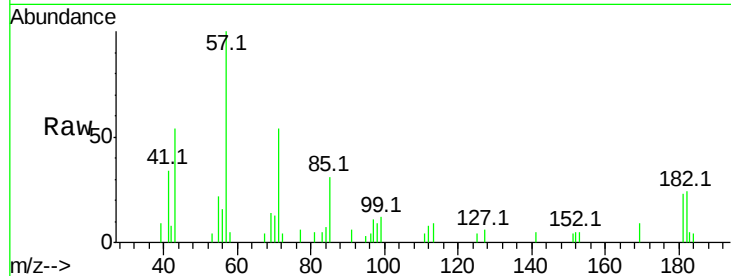
Ion Ratio Lower Upper

77 100

182 425.2 0.1 40.1#

105 0.0 3.6 43.6#

51 0.0 9.4 49.4#

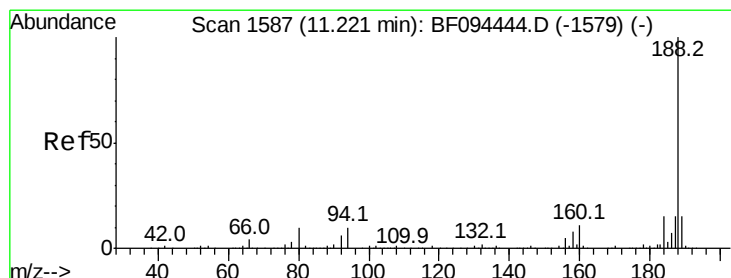
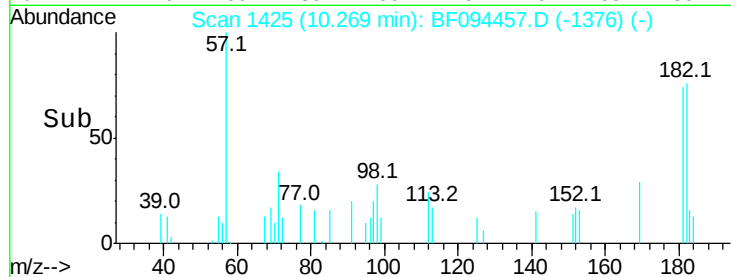
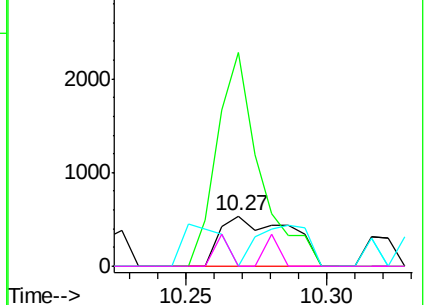


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

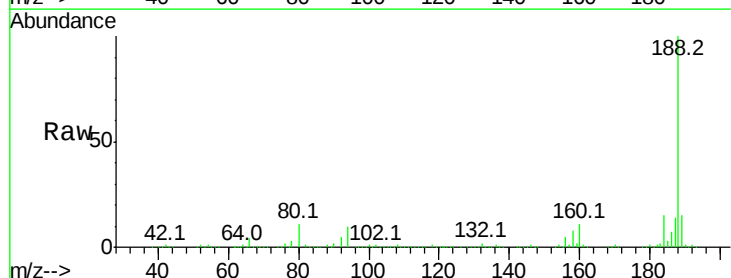
Tgt Ion: 188 Resp: 524237

Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

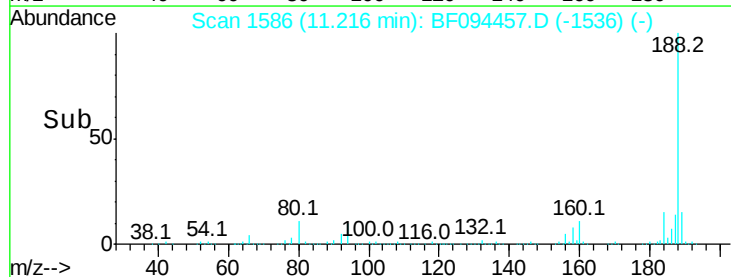
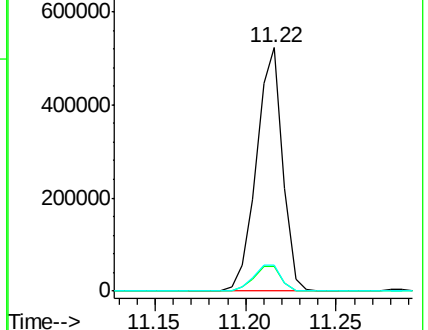
80 10.6 10.2 15.2

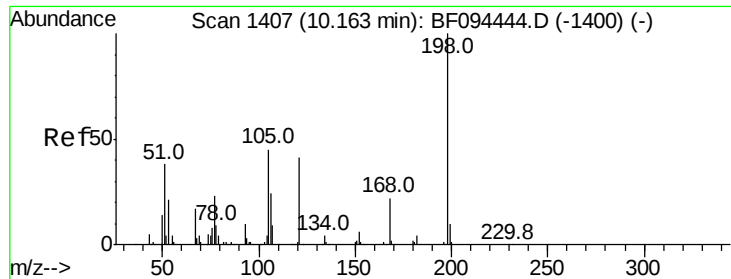


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

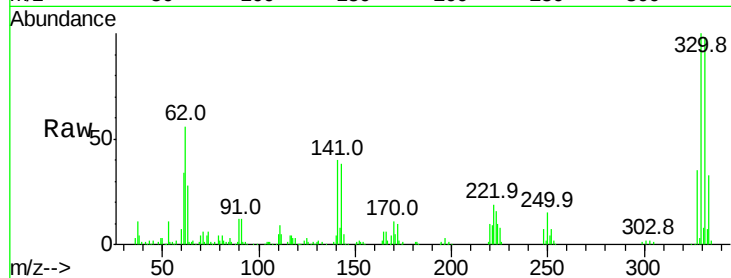




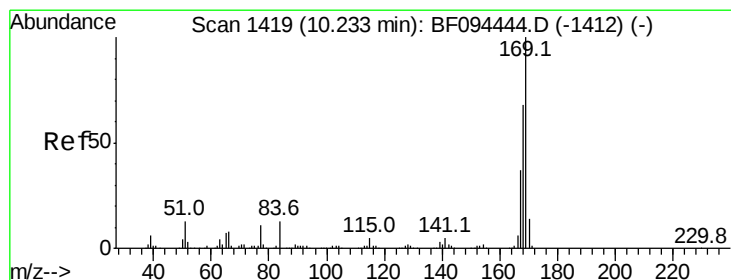
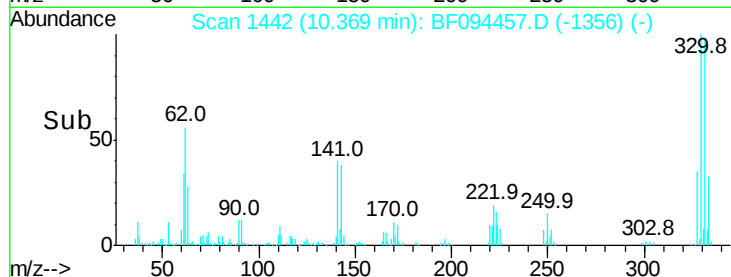
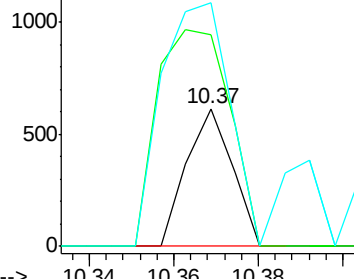
#64
4,6-Dinitro-2-methylphenol
Concen: 0.13 ng
RT: 10.37 min Scan# 1442
Delta R.T. 0.21 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	154.4	53.2	93.2#
105	177.3	45.8	85.8#

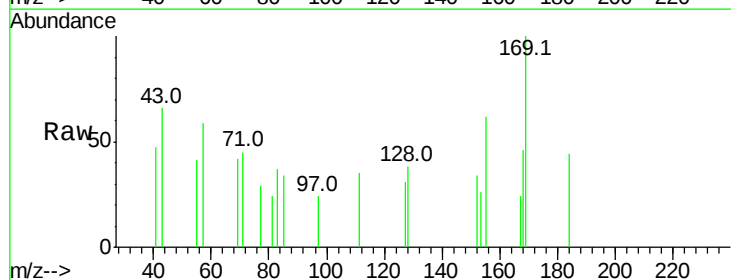


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

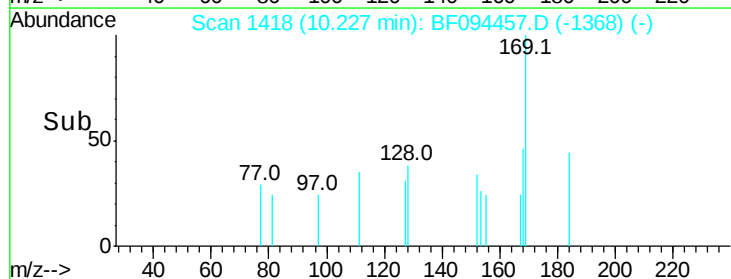
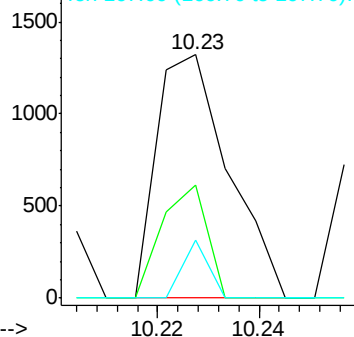


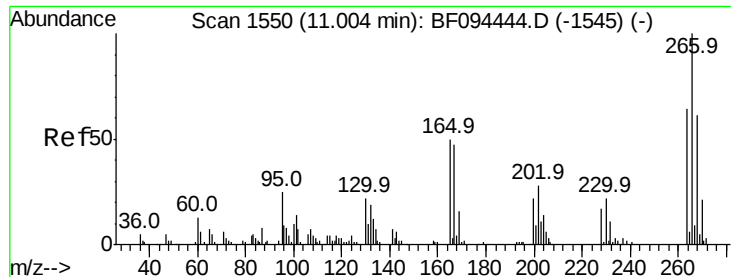
#65
n-Nitrosodiphenylamine
Concen: 0.07 ng
RT: 10.23 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion	Ratio	Lower	Upper
169	100		
168	46.4	53.2	79.8#
167	23.9	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

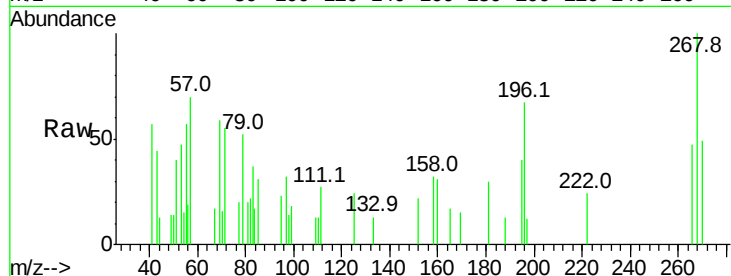




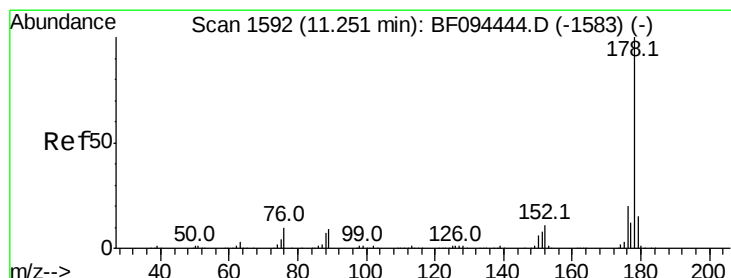
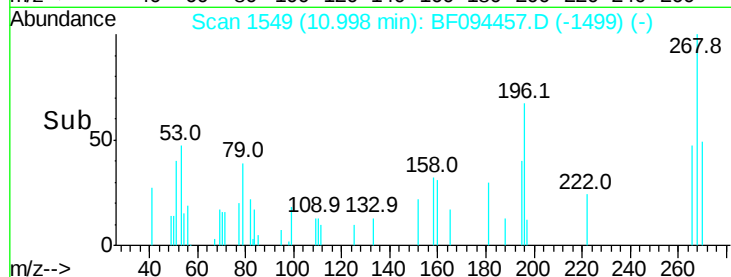
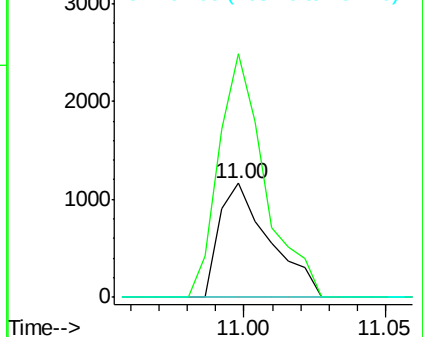
#69
 Pentachlorophenol
 Concen: 0.69 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:266 Resp: 1437
 Ion Ratio Lower Upper
 266 100
 268 213.5 51.1 76.7#
 264 0.0 51.7 77.5#

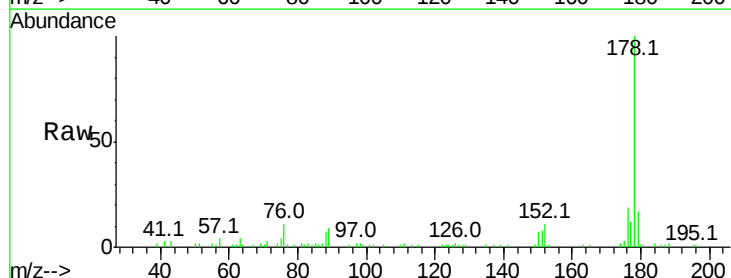


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

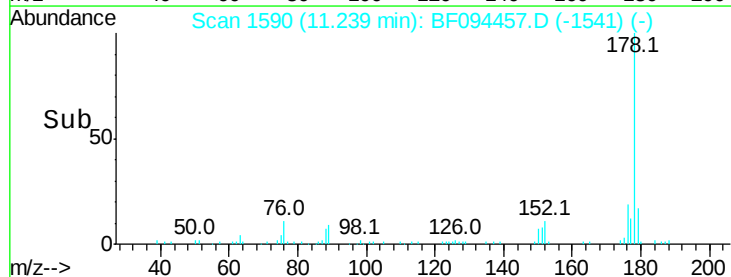
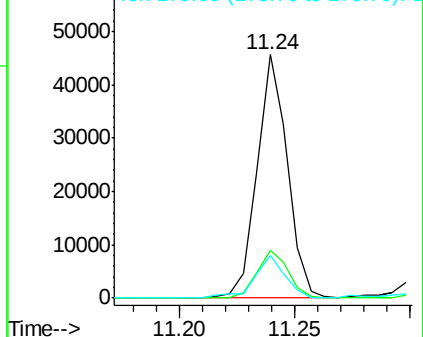


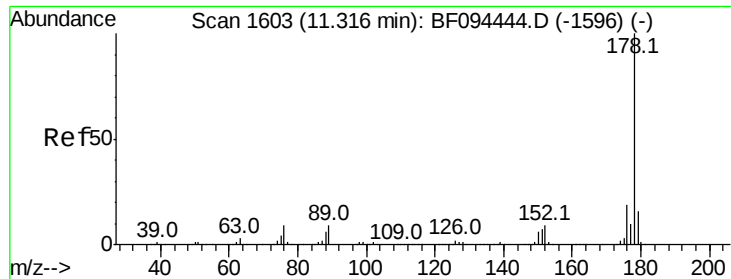
#70
 Phenanthrene
 Concen: 1.42 ng
 RT: 11.24 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

Tgt Ion:178 Resp: 41885
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 17.5 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

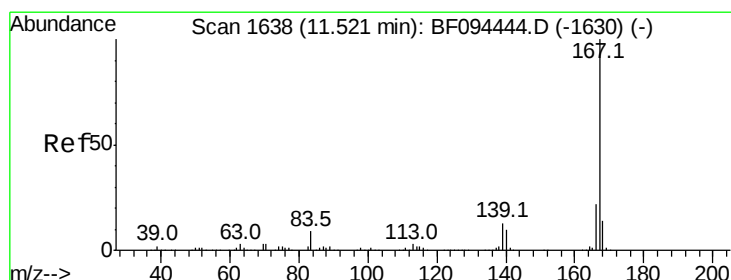
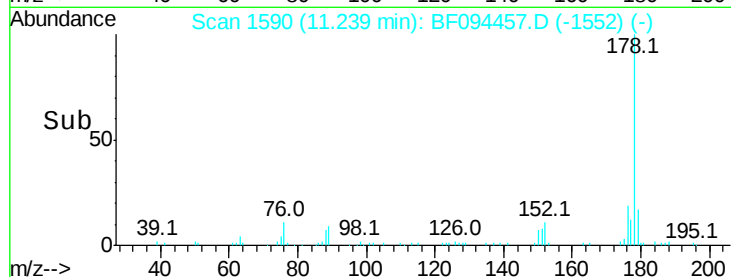
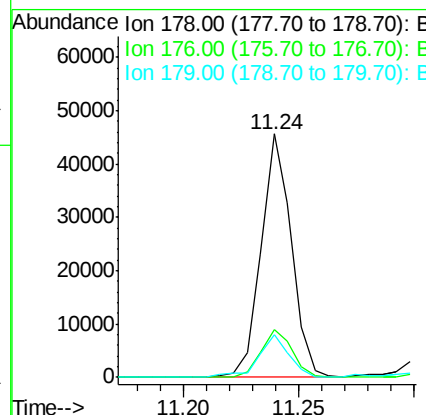
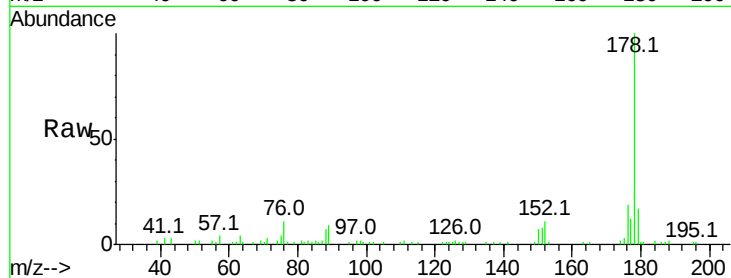




#71
 Anthracene
 Concen: 1.37 ng
 RT: 11.24 min Scan# 1590
 Delta R.T. -0.08 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

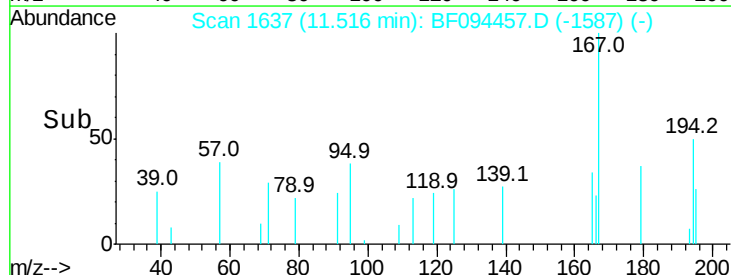
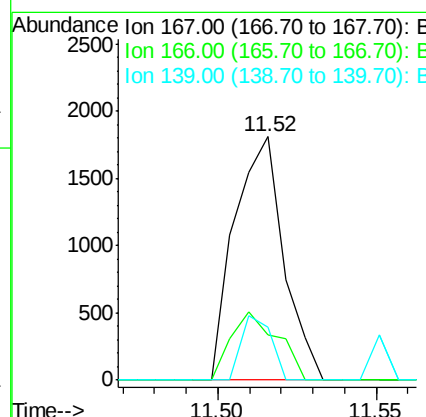
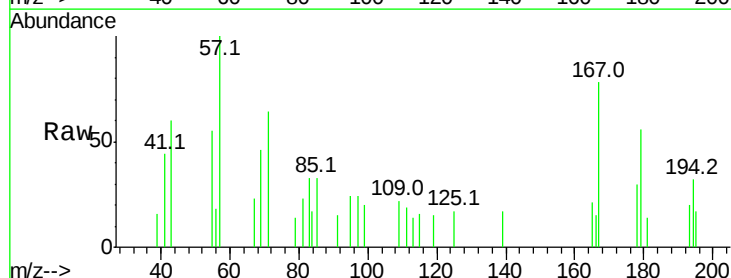
Instrument :
 BNA_F
 ClientSampleId :

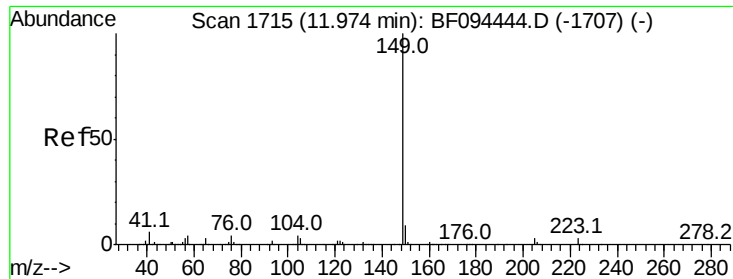
Tot Ion:178 Resp: 41885
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 17.5 12.7 19.1



#72
 Carbazole
 Concen: 0.07 ng
 RT: 11.52 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

Tgt Ion:167 Resp: 1942
 Ion Ratio Lower Upper
 167 100
 166 18.6 18.1 27.1
 139 21.9 11.7 17.5#

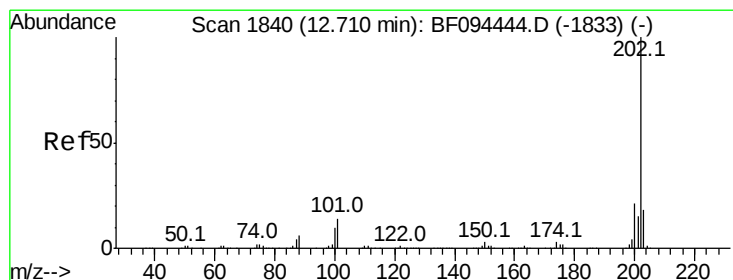
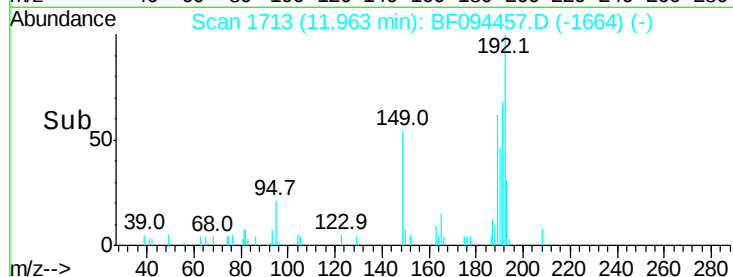
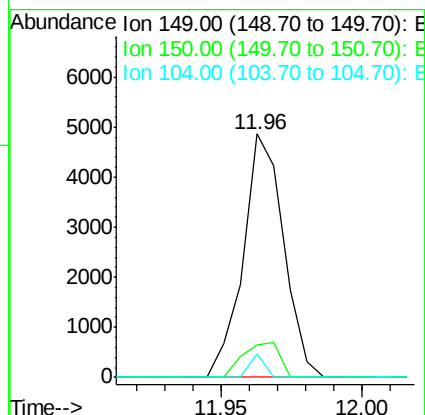
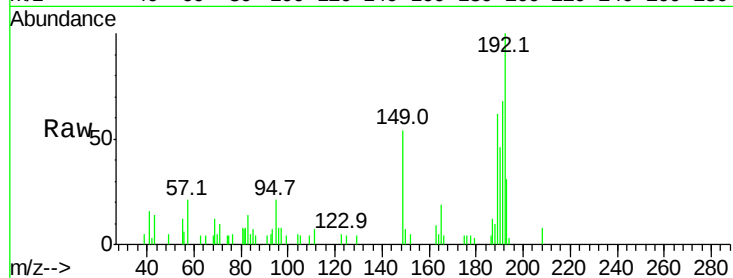




#73
Di-n-butylphthalate
Concen: 0.15 ng
RT: 11.96 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

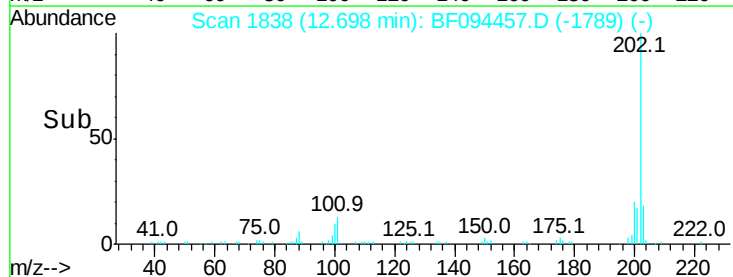
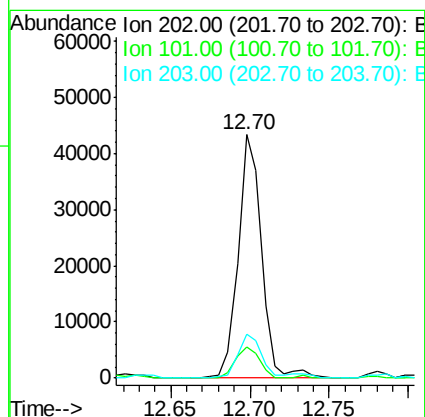
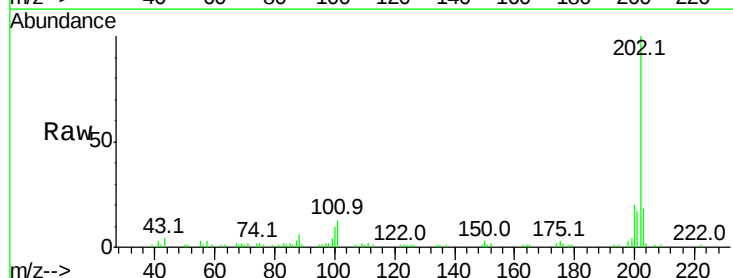
Instrument :
BNA_F
ClientSampleId :

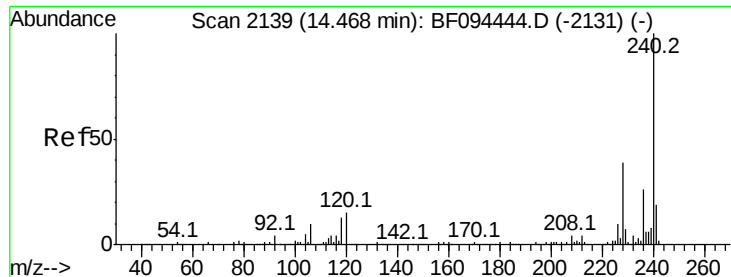
Tot Ion:149 Resp: 4832
Ion Ratio Lower Upper
149 100
150 13.2 7.7 11.5#
104 9.4 4.0 6.0#



#74
Fluoranthene
Concen: 1.45 ng
RT: 12.70 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion:202 Resp: 44431
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

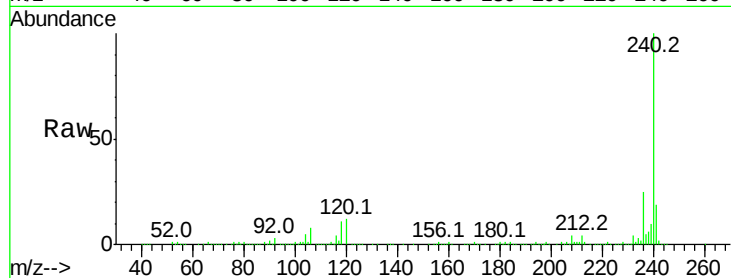
Tot Ion:240 Resp: 440526

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

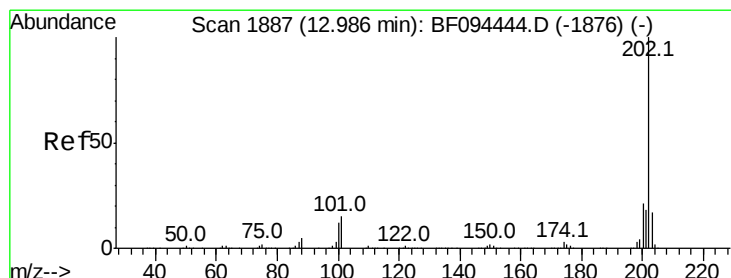
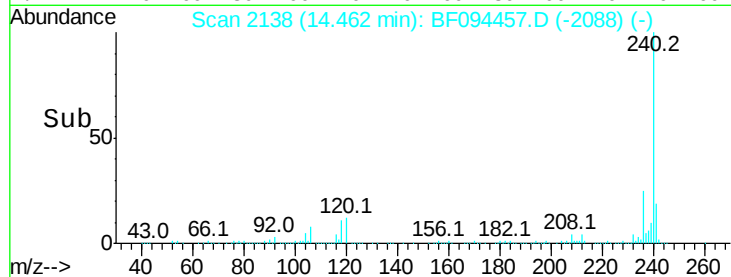
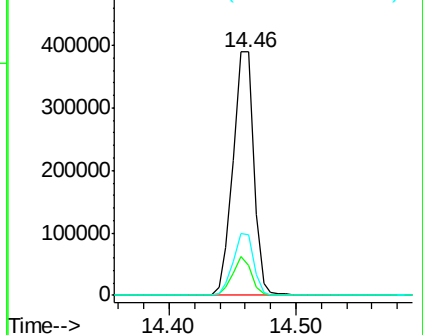
236 24.7 20.5 30.7



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: 1.25 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

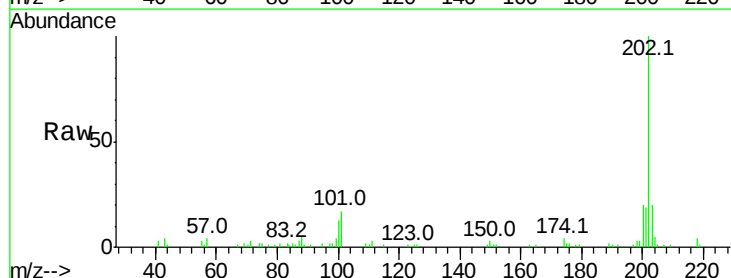
Tgt Ion:202 Resp: 38325

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

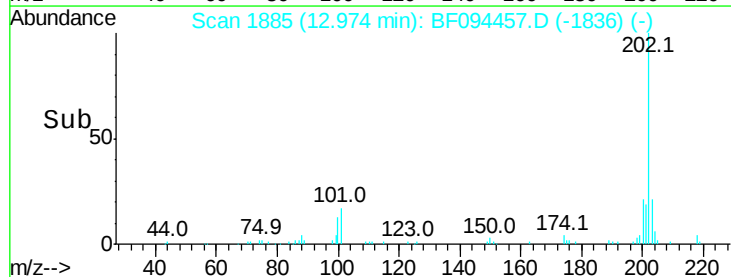
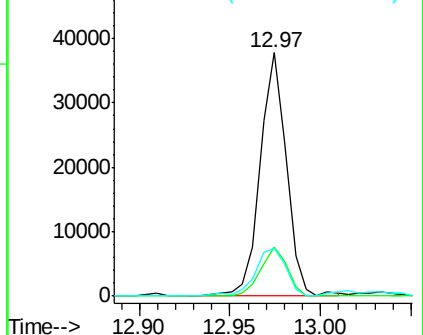
203 19.8 14.4 21.6

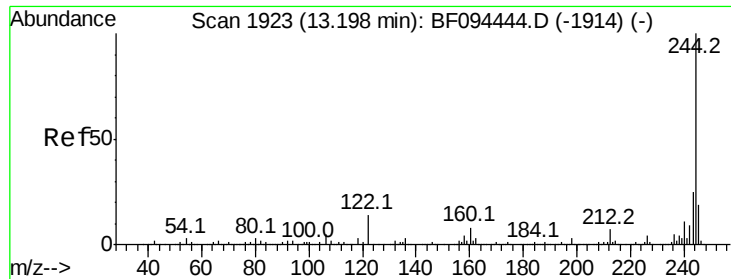


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

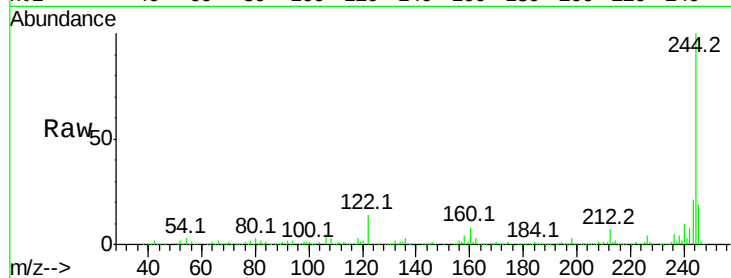




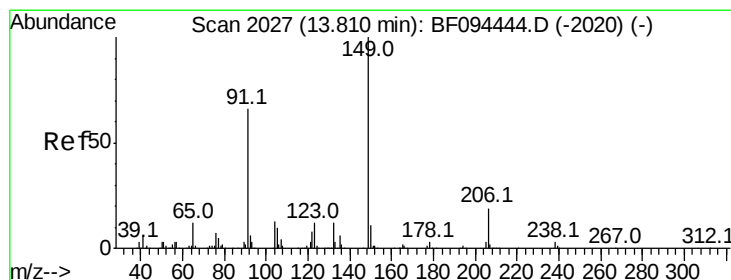
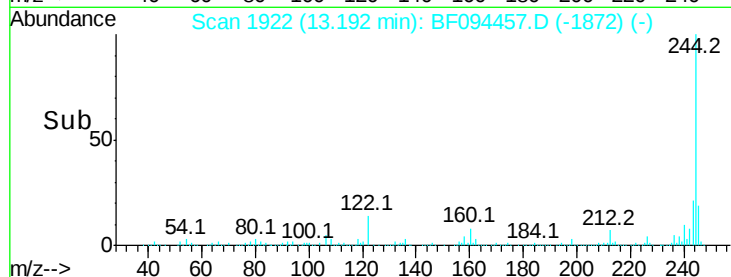
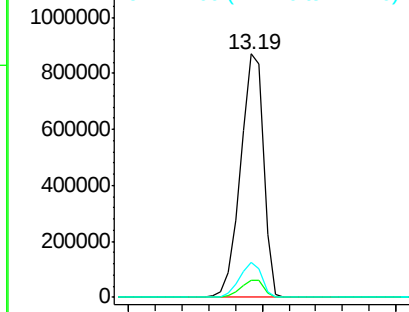
#78
 Terphenyl-d14
 Concen: 62.76 ng
 RT: 13.19 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 1034313
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.4 10.3 15.5

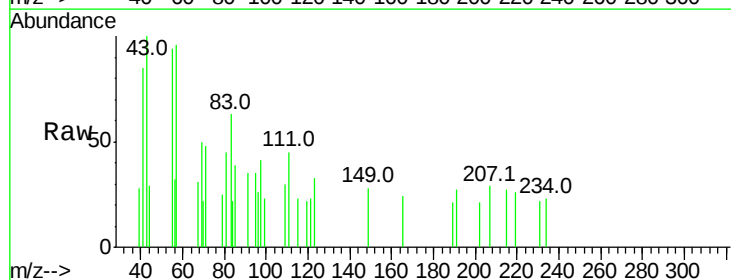


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

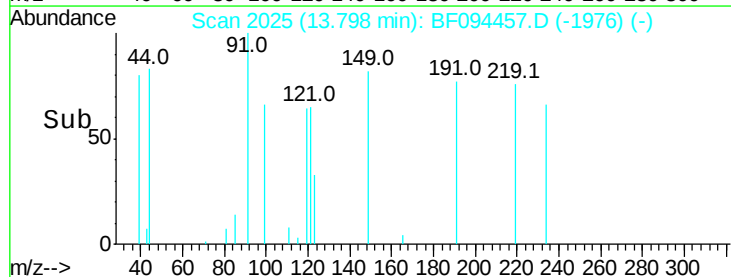
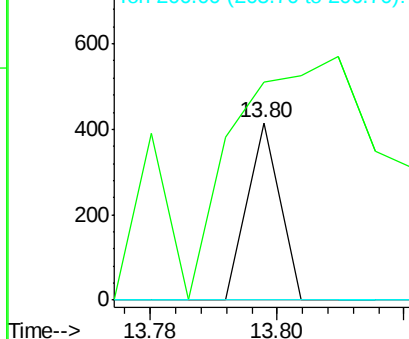


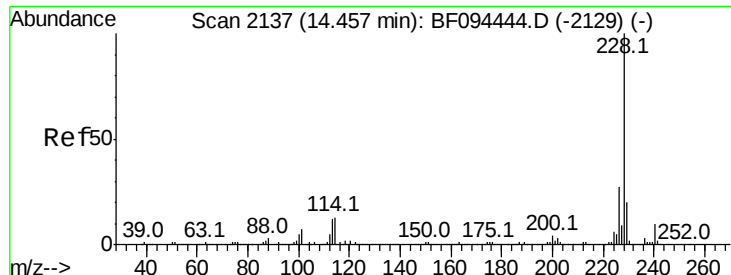
#79
 Butylbenzylphthalate
 Concen: 0.01 ng
 RT: 13.80 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF094457.D
 Acq: 17 Apr 2017 18:51

Tgt Ion:149 Resp: 147
 Ion Ratio Lower Upper
 149 100
 91 122.6 45.0 67.4#
 206 0.0 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.61 ng

RT: 14.44 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

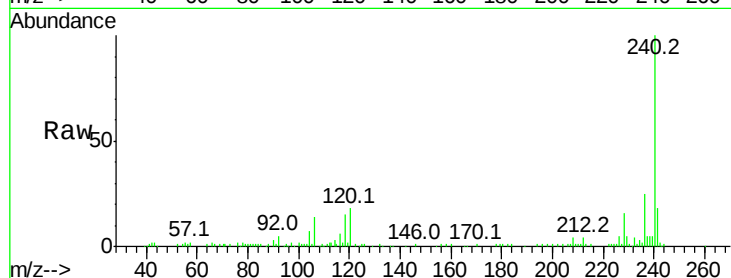
Tot Ion:228 Resp: 15739

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

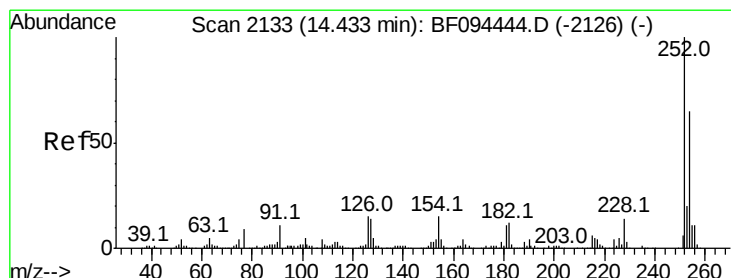
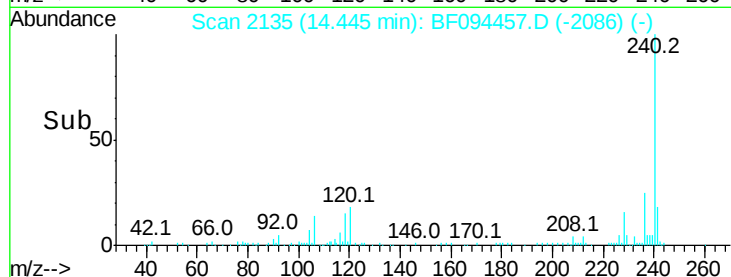
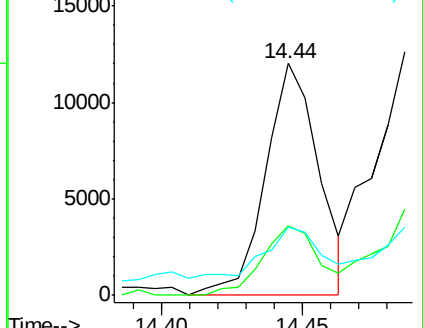
229 29.3 16.3 24.5#



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



#81

3,3'-Dichlorobenzidine

Concen: 0.01 ng

RT: 14.53 min Scan# 2149

Delta R.T. 0.09 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

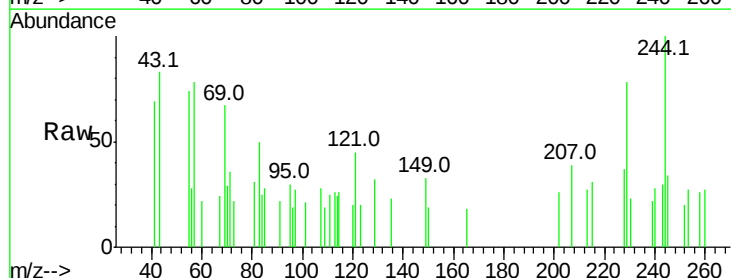
Tgt Ion:252 Resp: 116

Ion Ratio Lower Upper

252 100

254 0.0 51.5 77.3#

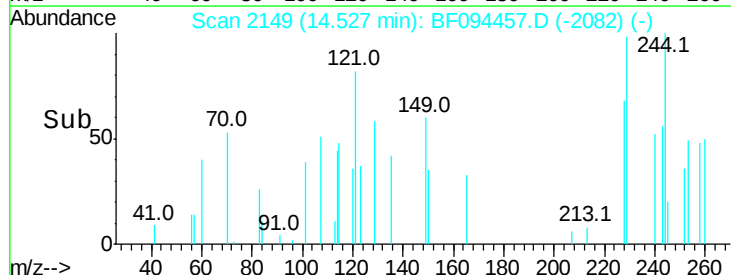
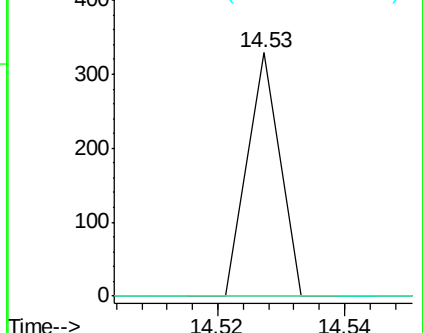
126 0.0 15.8 23.8#

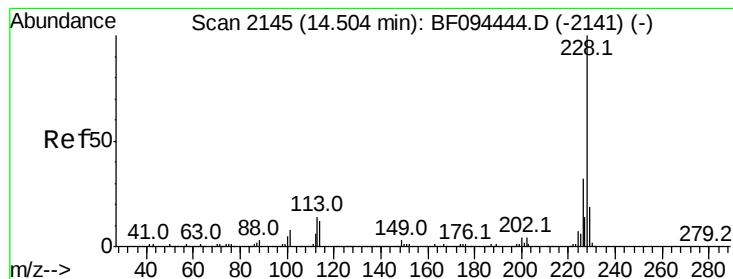


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.73 ng

RT: 14.49 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

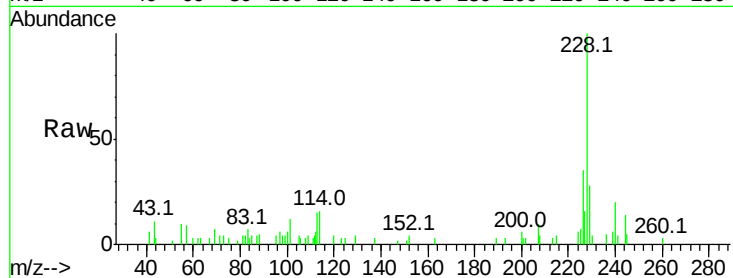
Tot Ion:228 Resp: 17015

Ion Ratio Lower Upper

228 100

226 35.2 24.9 37.3

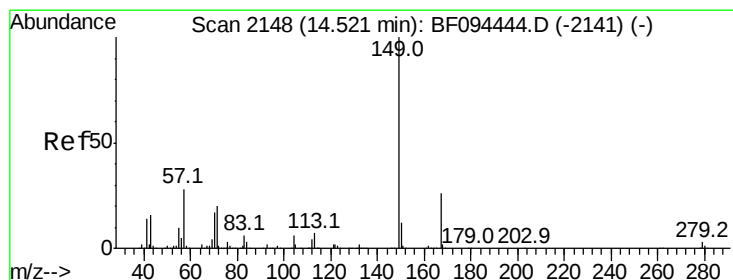
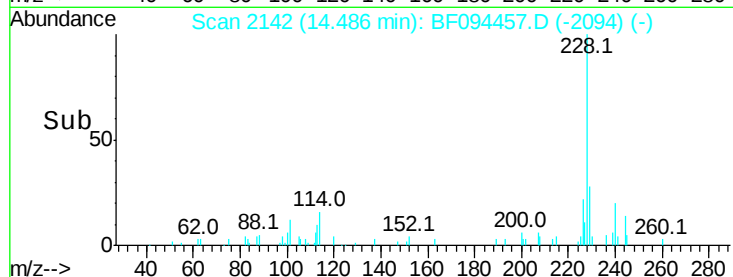
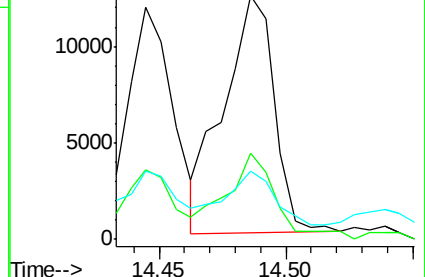
229 27.8 15.8 23.6#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng

RT: 14.52 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

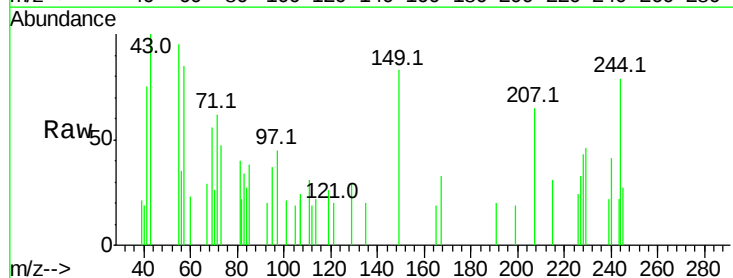
Tgt Ion:149 Resp: 1254

Ion Ratio Lower Upper

149 100

167 39.5 21.0 31.4#

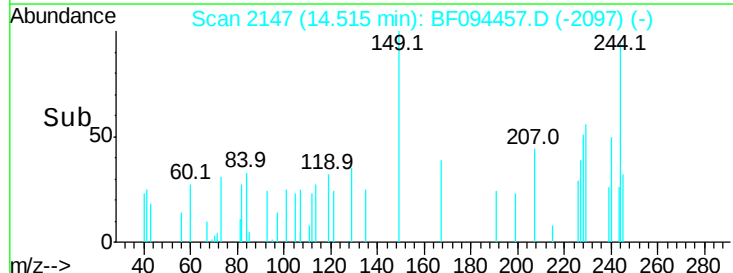
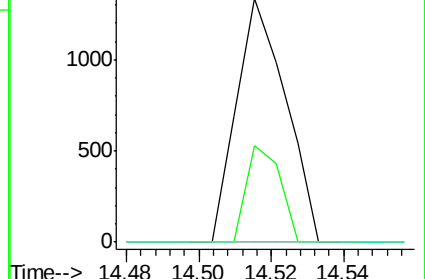
279 0.0 1.9 2.9#

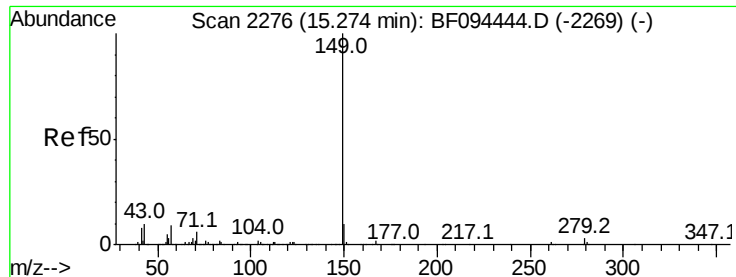


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 15.32 min Scan# 2283

Delta R.T. 0.04 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

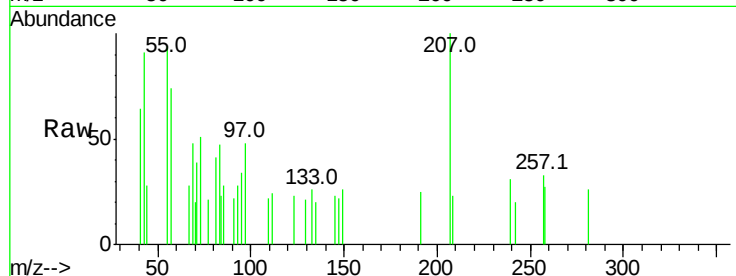
Tot Ion:149 Resp: 267

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

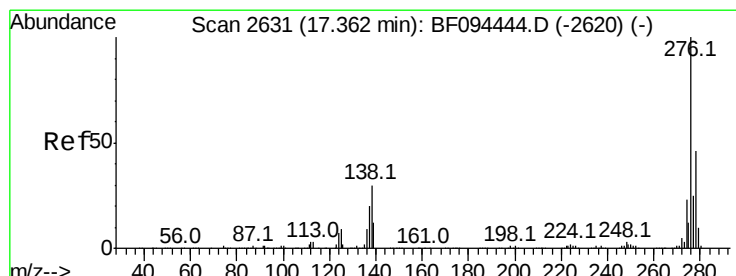
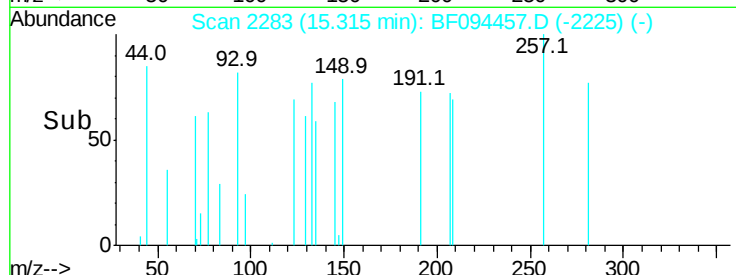
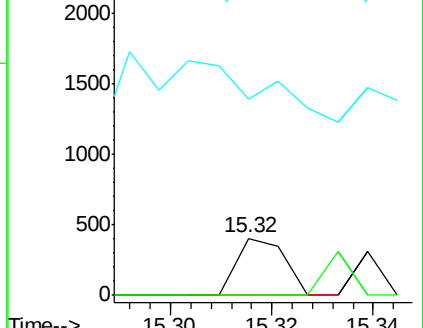
43 0.0 8.5 12.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng

RT: 17.34 min Scan# 2628

Delta R.T. -0.02 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

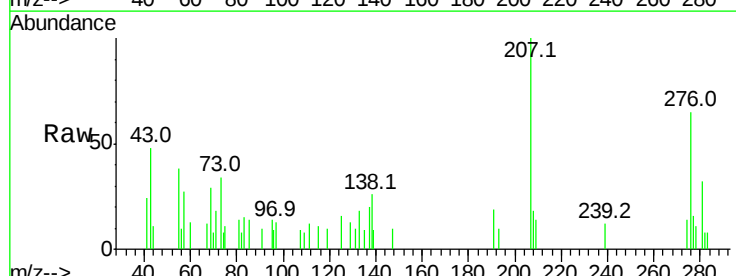
Tgt Ion:276 Resp: 4177

Ion Ratio Lower Upper

276 100

138 42.0 27.8 41.6#

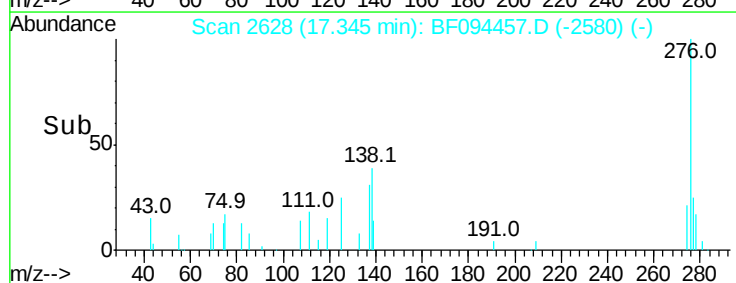
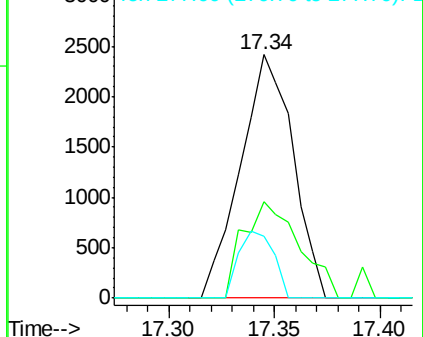
277 18.2 20.2 30.4#

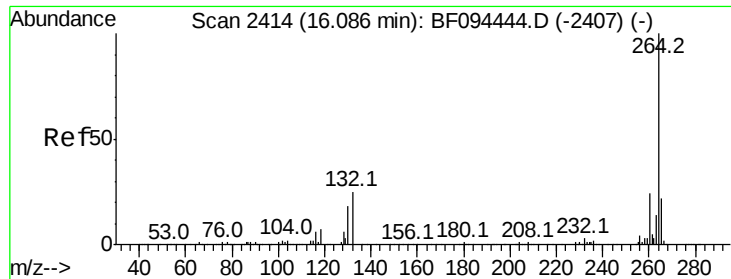


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

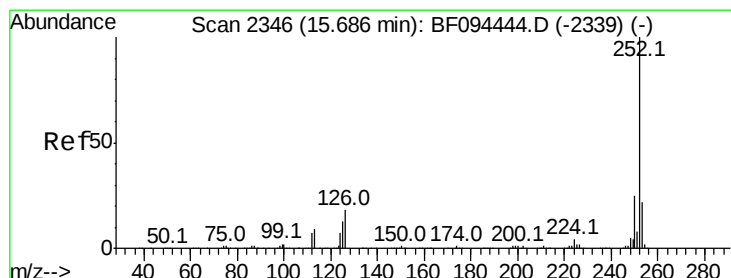
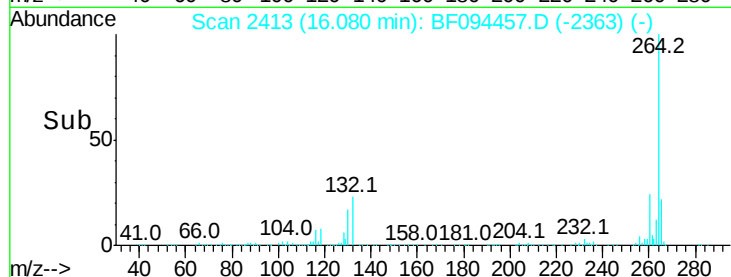
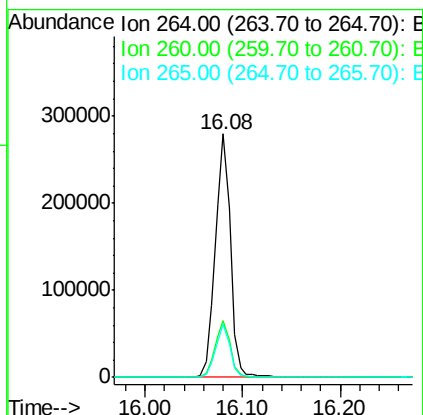
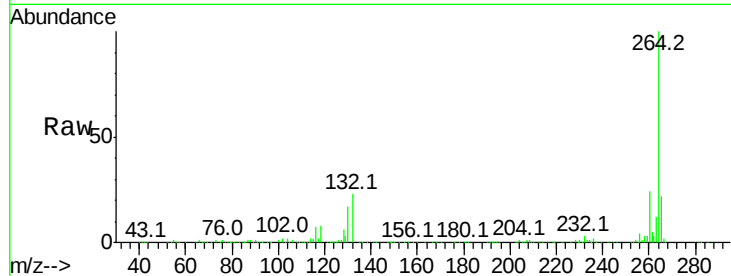




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

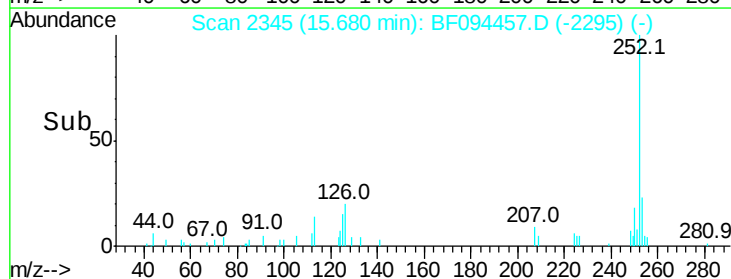
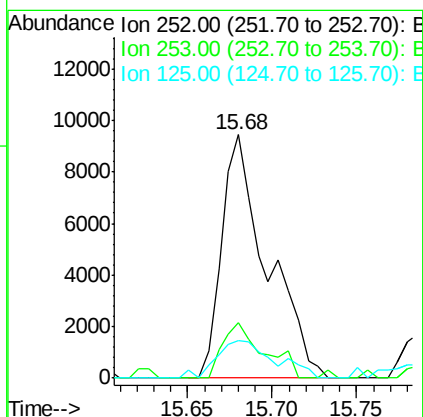
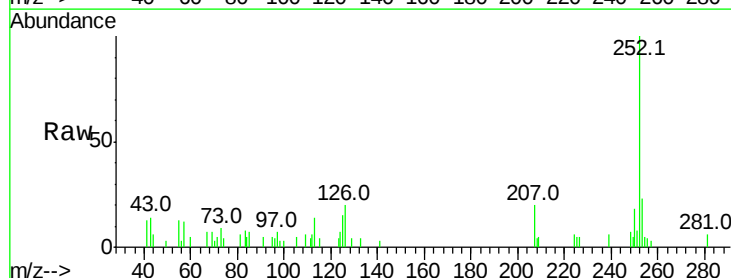
Instrument :
BNA_F
ClientSampleId :

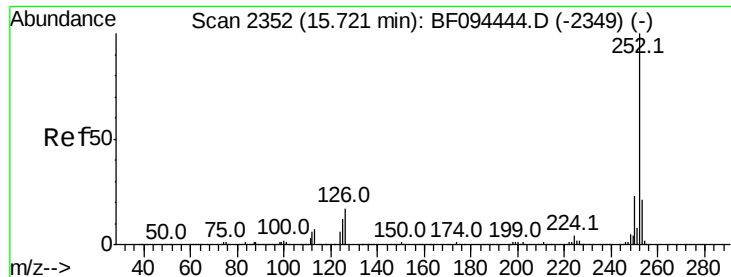
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 0.95 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.2	9.8	14.8

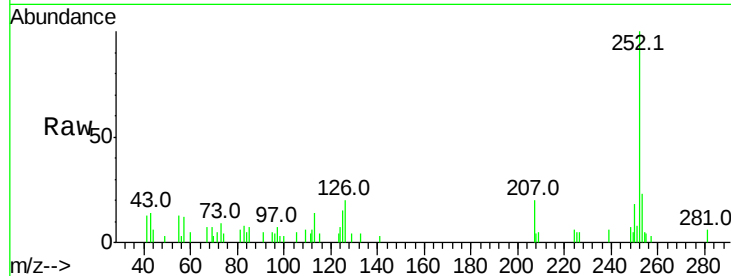




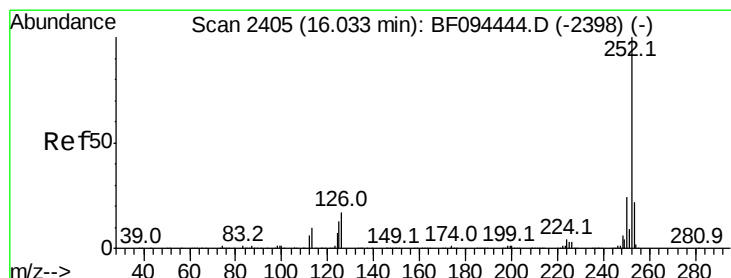
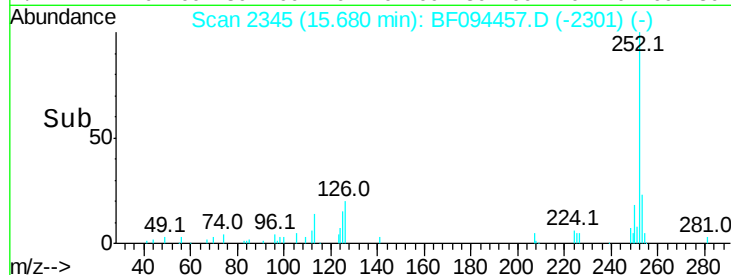
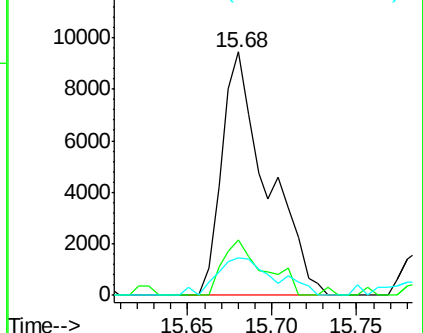
#88
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.04 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 17503
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 15.2 13.1 19.7

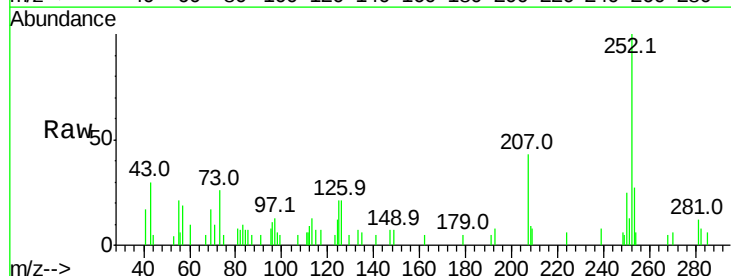


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

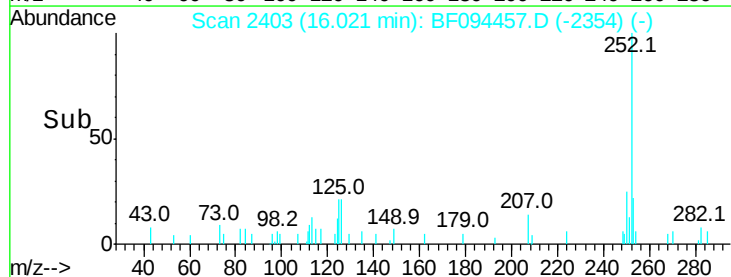
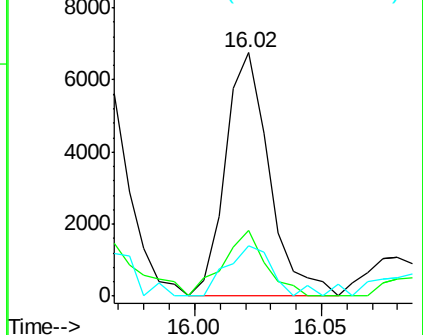


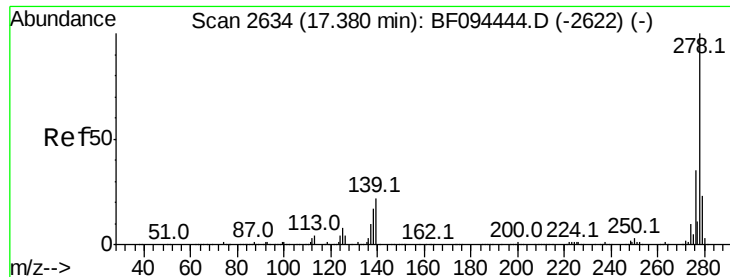
#89
Benzo(a)pyrene
Concen: 0.47 ng
RT: 16.02 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BF094457.D
Acq: 17 Apr 2017 18:51

Tgt Ion:252 Resp: 8152
Ion Ratio Lower Upper
252 100
253 27.0 17.5 26.3#
125 20.5 11.0 16.4#



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





#90

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 17.36 min Scan# 2630

Delta R.T. -0.02 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

Instrument :

BNA_F

ClientSampleId :

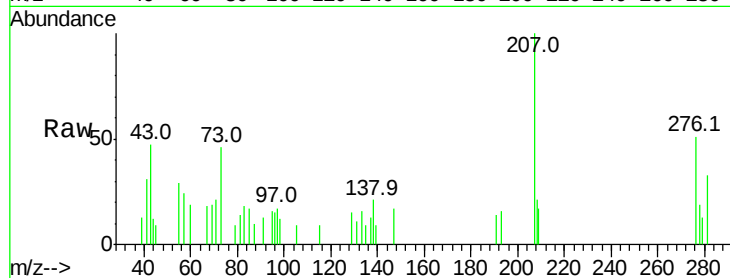
Tot Ion:278 Resp: 1138

Ion Ratio Lower Upper

278 100

139 45.8 16.6 24.8#

279 65.4 19.3 28.9#

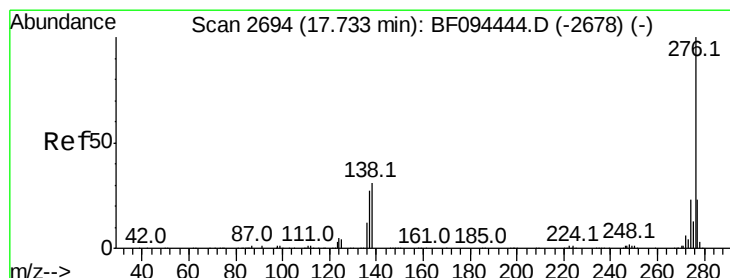
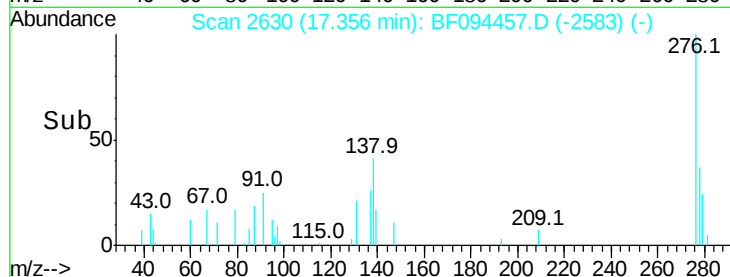


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time--> 17.30 17.35



#91

Benzo(g,h,i)perylene

Concen: 0.31 ng

RT: 17.72 min Scan# 2691

Delta R.T. -0.02 min

Lab File: BF094457.D

Acq: 17 Apr 2017 18:51

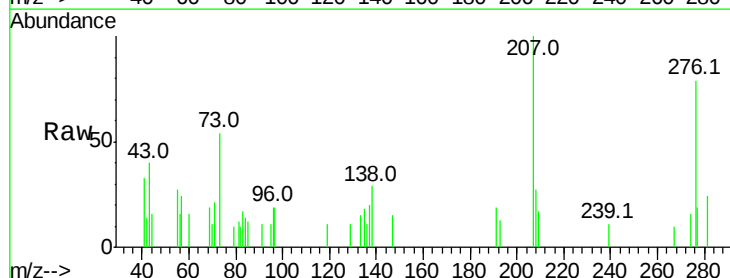
Tgt Ion:276 Resp: 4438

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 36.1 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

Time--> 17.65 17.70 17.75

