

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094458.D
 Acq On : 17 Apr 2017 19:18
 Operator : SJ/MA
 Sample : I2708-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:59:38 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	140315	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	593715	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	264348	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	493675	20.00	ng	0.00
75) Chrysene-d12	14.46	240	414750	20.00	ng	-0.01
86) Perylene-d12	16.08	264	286413	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	872957	103.22	ng	0.00
7) Phenol-d6	5.39	99	1159285	116.27	ng	0.00
23) Nitrobenzene-d5	6.41	82	782589	81.39	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	191278	92.51	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1424680	79.30	ng	0.00
78) Terphenyl-d14	13.19	244	1112916	71.72	ng	0.00

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.38	42	113	0.03	ng	# 1
6) Aniline	5.40	93	674	0.05	ng	# 1
8) 2-Chlorophenol	5.53	128	627	0.07	ng	89
9) Benzaldehyde	5.39	77	2000	0.26	ng	# 1
10) Phenol	5.40	94	24068	1.96	ng	91
11) bis(2-Chloroethyl)ether	5.50	93	1129	0.13	ng	# 1
15) Benzyl Alcohol	5.93	79	12278	1.66	ng	# 43
19) n-Nitroso-di-n-propylamine	6.41	70	106030	16.05	ng	# 73
22) Acetophenone	6.23	105	511	0.04	ng	# 34
24) Nitrobenzene	6.41	77	2181	0.22	ng	# 38
25) Isophorone	6.74	82	391	0.02	ng	# 67
31) Naphthalene	7.28	128	6117	0.21	ng	# 96
33) 4-Chloroaniline	7.28	127	360	0.03	ng	# 45
35) Caprolactam	7.82	113	355	0.14	ng	# 61
37) 2-Methylnaphthalene	8.12	142	2048	0.10	ng	93
45) 1,1'-Biphenyl	8.70	154	172	0.01	ng	# 42
47) 2-Nitroaniline	9.08	65	2697	0.55	ng	# 1
48) Acenaphthylene	8.99	152	255	0.01	ng	# 60
49) Dimethylphthalate	9.08	163	325325	16.51	ng	99
50) 2,6-Dinitrotoluene	9.08	165	3122	0.71	ng	# 1
51) Acenaphthene	9.39	154	1161	0.07	ng	# 4
54) Dibenzofuran	9.65	168	681	0.03	ng	# 81
55) 4-Nitrophenol	9.65	139	242	0.07	ng	# 25
56) 2,4-Dinitrotoluene	9.39	165	33317	6.14	ng	# 33
59) Diethylphthalate	9.95	149	1661	0.09	ng	# 60
60) 4-Chlorophenyl-phenylether	9.84	204	757	0.10	ng	# 21
62) Azobenzene	10.20	77	137	0.01	ng	# 50
64) 4,6-Dinitro-2-methylphenol	10.36	198	316	0.10	ng	# 1
65) n-Nitrosodiphenylamine	10.22	169	554	0.03	ng	# 24
69) Pentachlorophenol	11.00	266	1452	0.74	ng	# 1
70) Phenanthrene	11.24	178	4650	0.17	ng	96
71) Anthracene	11.24	178	4650	0.16	ng	96
72) Carbazole	11.52	167	111	0.00	ng	# 58
73) Di-n-butylphthalate	11.96	149	4148	0.14	ng	# 92

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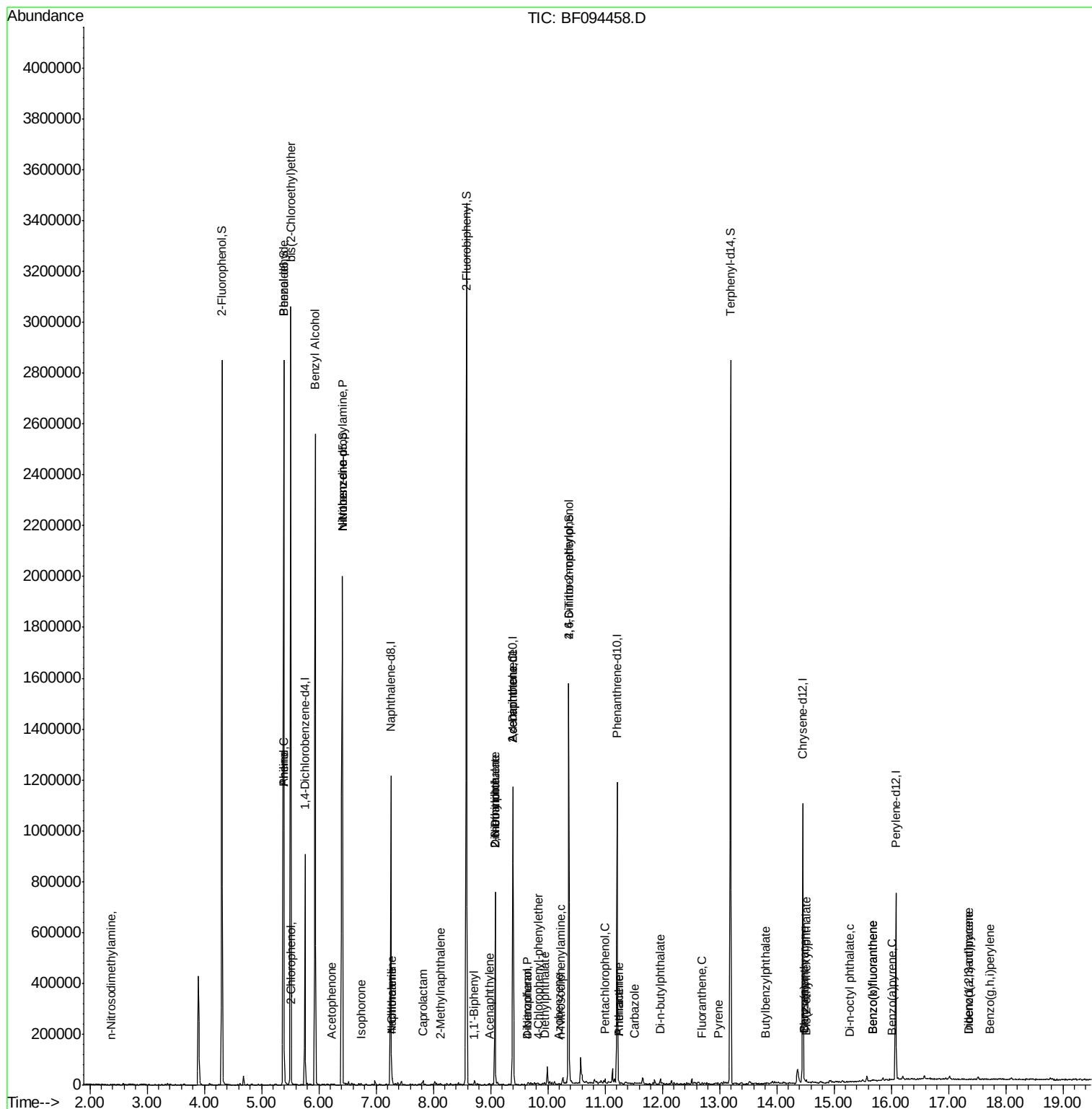
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.70	202	2398	0.08	nq	78
77) Pyrene	12.97	202	2972	0.10	nq	# 96
79) Butylbenzylphthalate	13.80	149	282	0.02	nq	# 32
80) Benzo(a)anthracene	14.49	228	7105	0.29	nq	# 62
82) Chrysene	14.49	228	7105	0.32	nq	# 66
83) Bis(2-ethylhexyl)phthalate	14.52	149	3265	0.19	nq	# 76
84) Di-n-octyl phthalate	15.27	149	111	0.00	nq	# 75
85) Indeno(1,2,3-cd)pyrene	17.35	276	260	0.01	nq	# 44
87) Benzo(b)fluoranthene	15.68	252	2212	0.13	nq	# 75
88) Benzo(k)fluoranthene	15.68	252	2212	0.13	nq	# 79
89) Benzo(a)pyrene	16.02	252	971	0.06	nq	# 59
90) Dibenzo(a,h)anthracene	17.35	278	110	0.01	nq	# 53
91) Benzo(a,h,i)perylene	17.72	276	274	0.02	nq	# 47

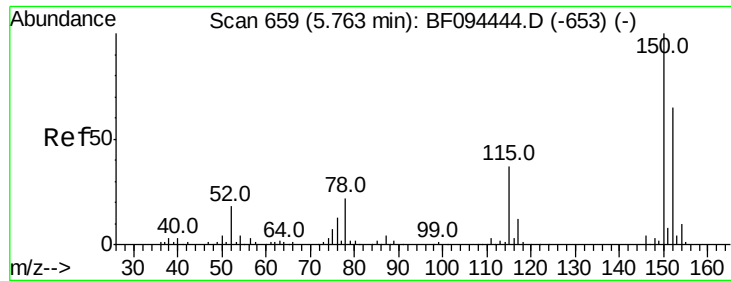
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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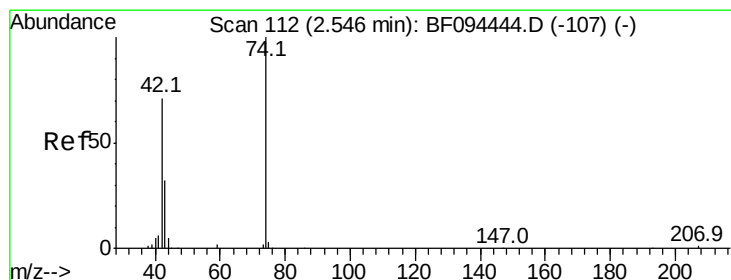
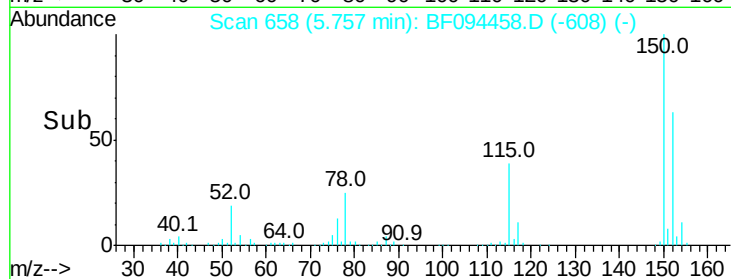
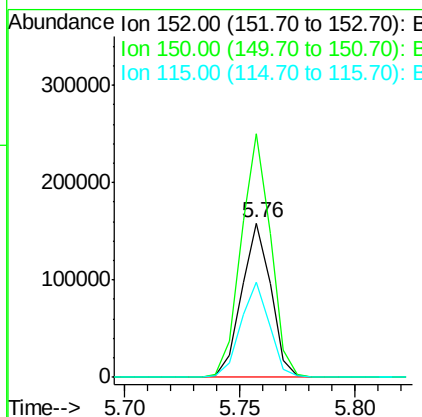
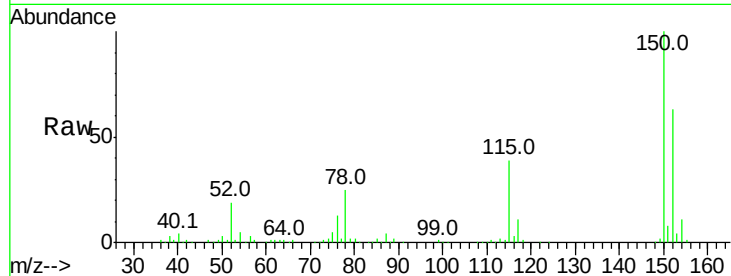


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

Instrument :
BNA_F
ClientSampleId :

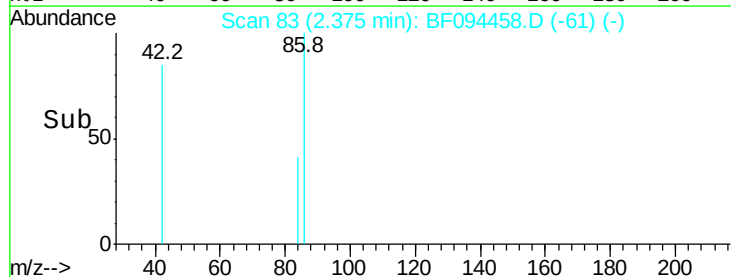
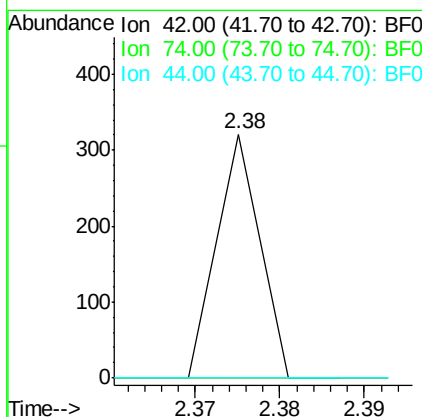
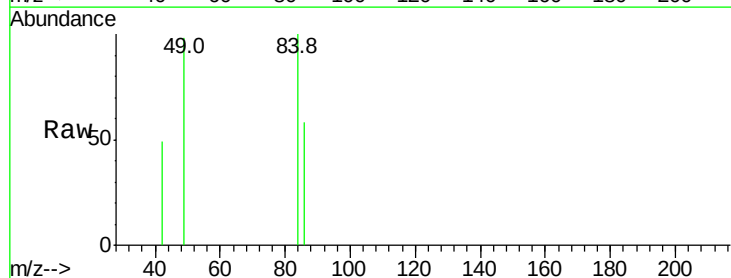
Tot Ion:152 Resp: 140315
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 62.0 52.2 78.2

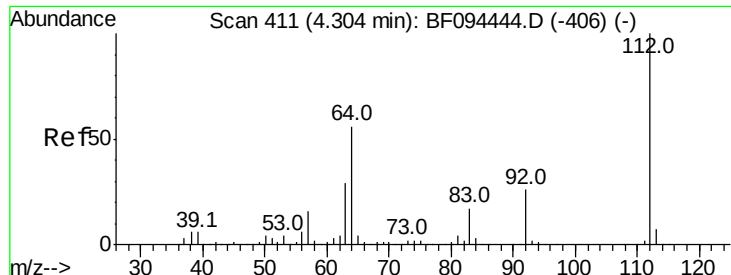


#4

n-Nitrosodimethylamine
Concen: 0.03 ng
RT: 2.38 min Scan# 83
Delta R.T. -0.17 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

Tgt Ion: 42 Resp: 113
Ion Ratio Lower Upper
42 100
74 0.0 103.9 155.9#
44 0.0 5.7 8.5#





#5

2-Fluorophenol

Concen: 103.22 ng

RT: 4.31 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampled :

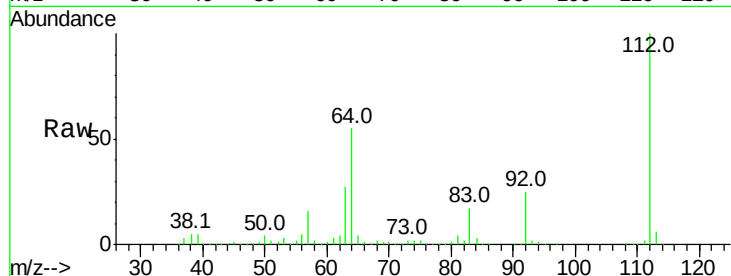
Tot Ion:112 Resp: 872957

Ion Ratio Lower Upper

112 100

64 55.3 46.0 69.0

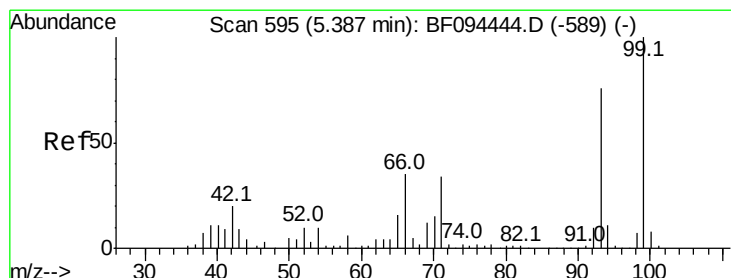
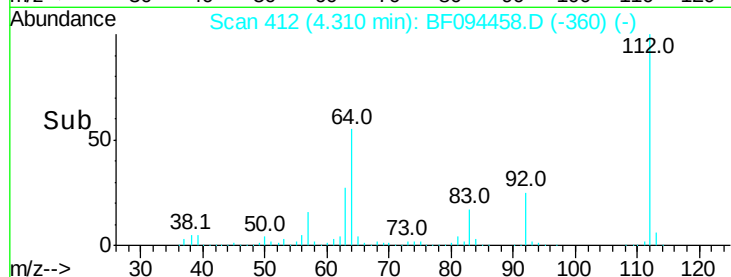
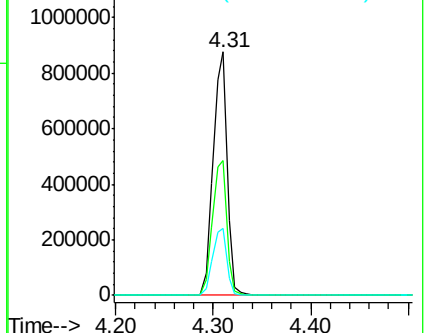
63 27.3 23.4 35.0



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: 0.05 ng

RT: 5.40 min Scan# 597

Delta R.T. 0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

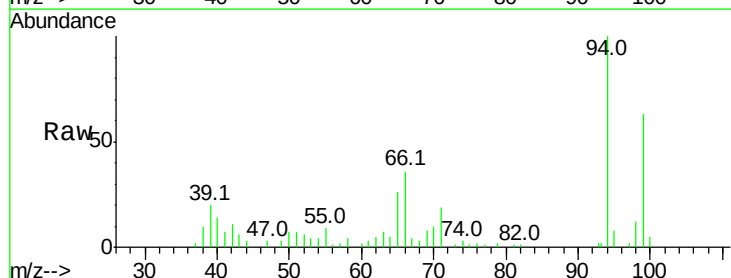
Tgt Ion: 93 Resp: 674

Ion Ratio Lower Upper

93 100

66 834.4 32.9 49.3#

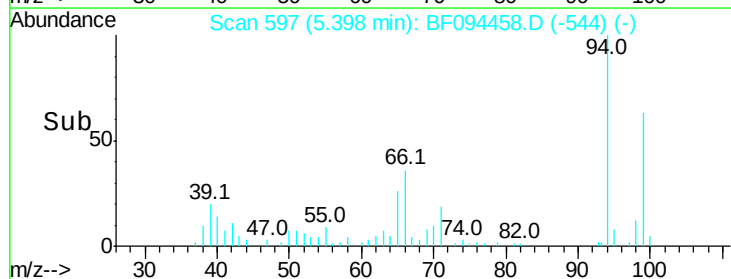
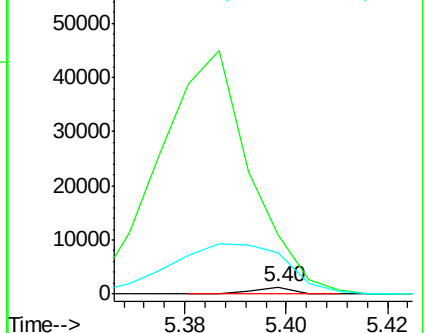
65 590.6 16.0 24.0#

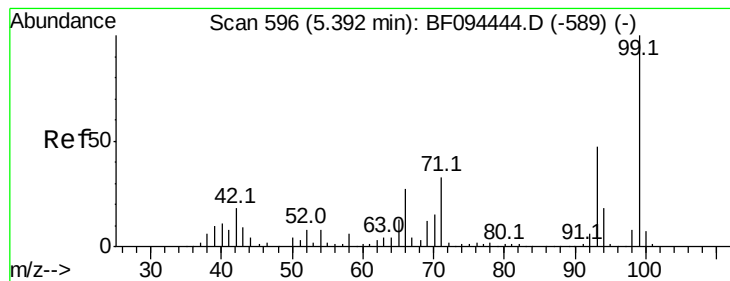


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 116.27 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

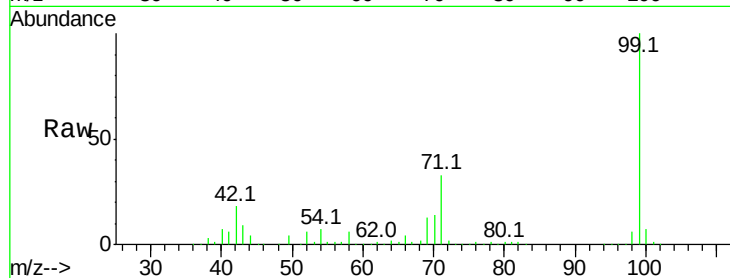
Tot Ion: 99 Resp: 1159285

Ion Ratio Lower Upper

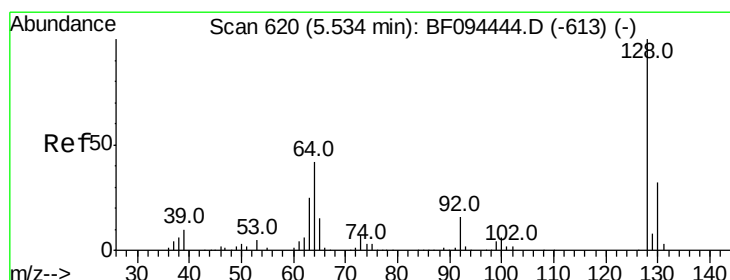
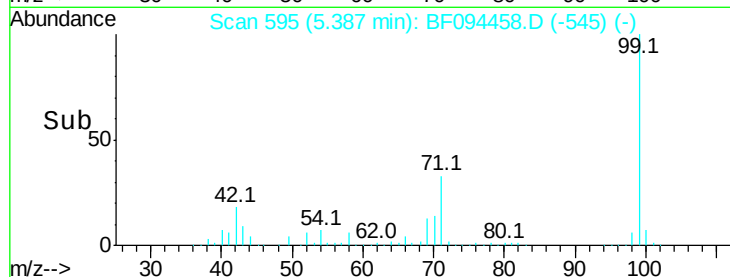
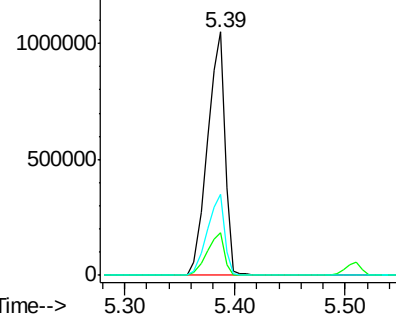
99 100

42 17.5 13.5 20.3

71 33.2 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: 0.07 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

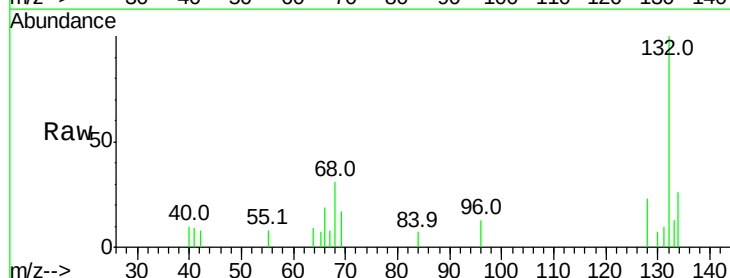
Tgt Ion: 128 Resp: 627

Ion Ratio Lower Upper

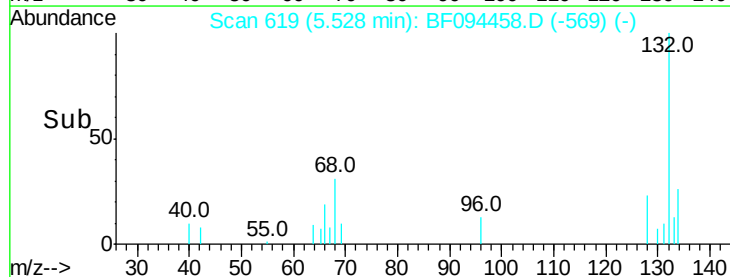
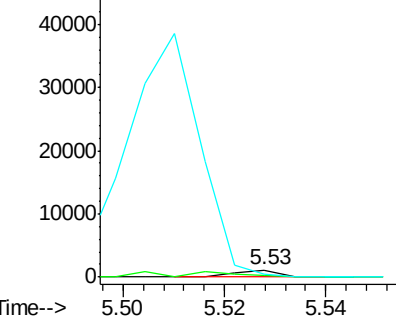
128 100

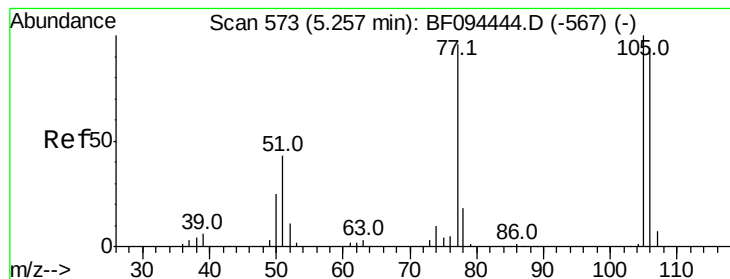
130 29.6 12.9 52.9

64 39.1 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: 0.26 ng

RT: 5.39 min Scan# 595

Delta R.T. 0.13 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampled :

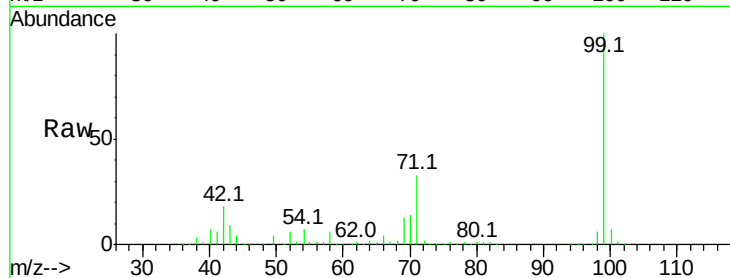
Tot Ion: 77 Resp: 2000

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

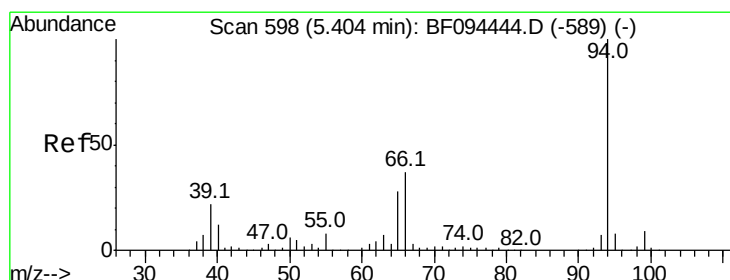
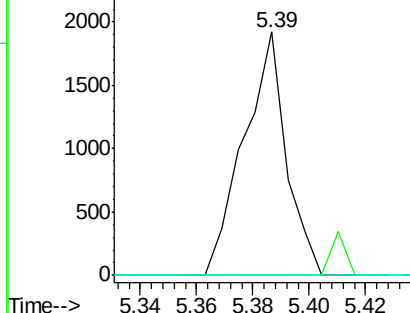
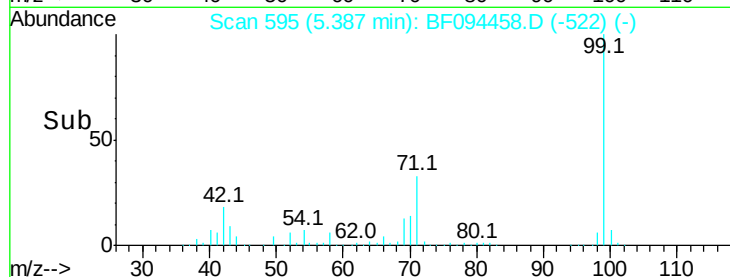
106 0.0 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 1.96 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

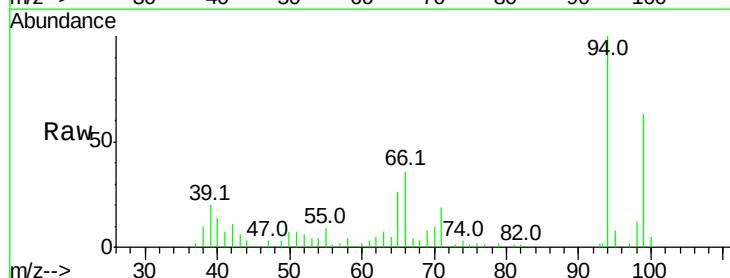
Tgt Ion: 94 Resp: 24068

Ion Ratio Lower Upper

94 100

65 25.7 9.9 49.9

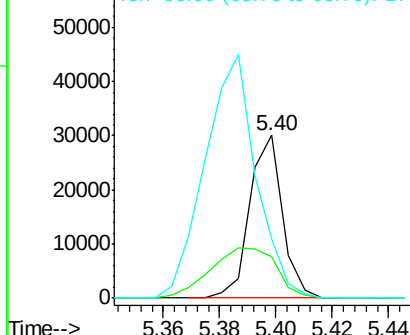
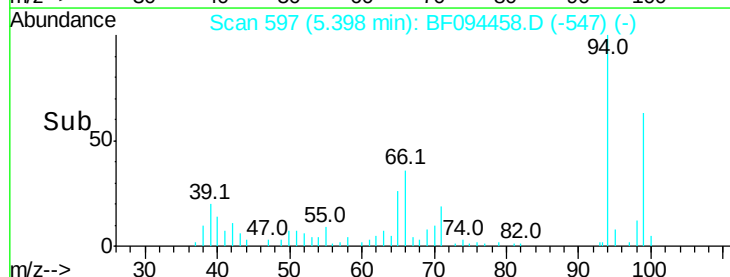
66 36.3 23.1 63.1

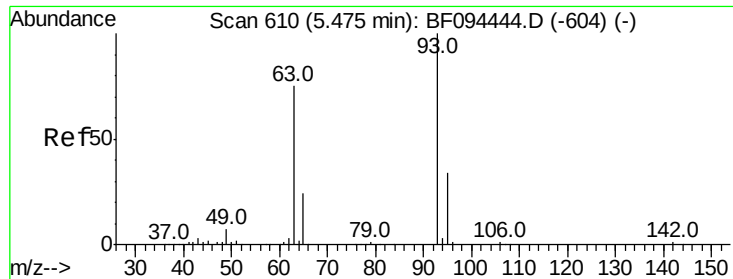


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

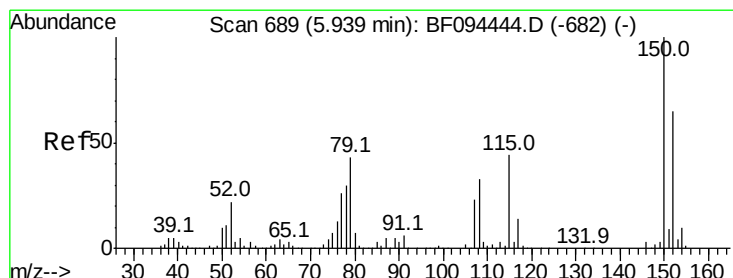
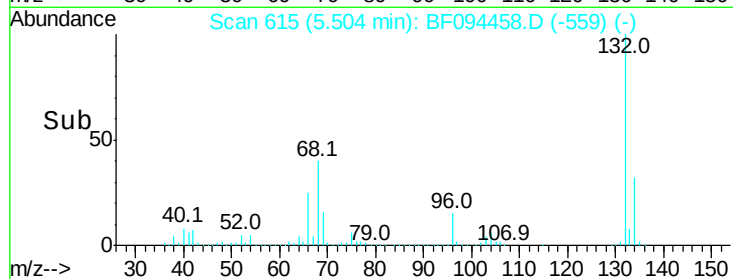
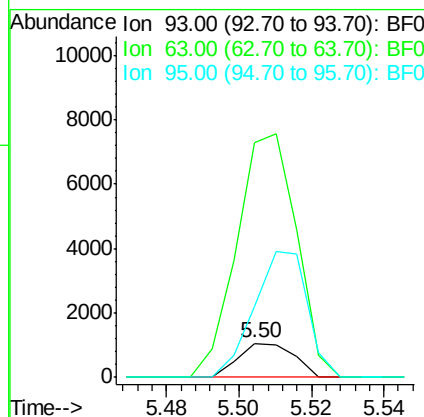
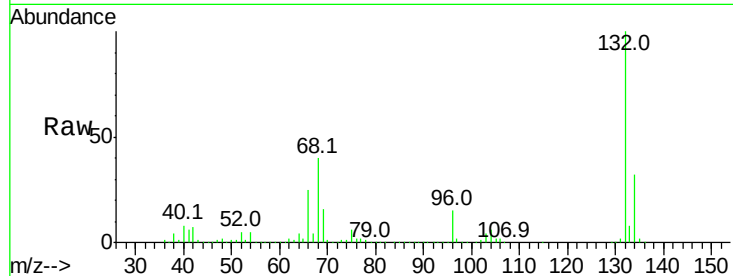




#11
 bis(2-Chloroethyl)ether
 Concen: 0.13 ng
 RT: 5.50 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

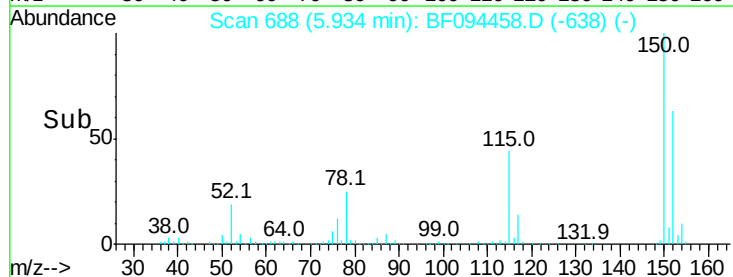
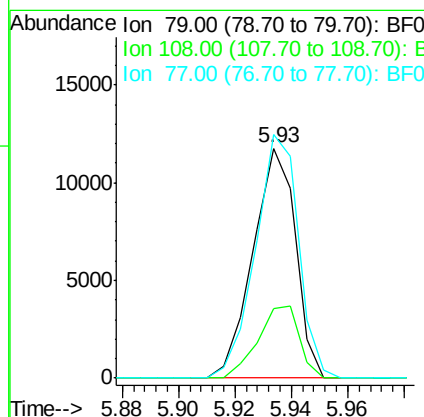
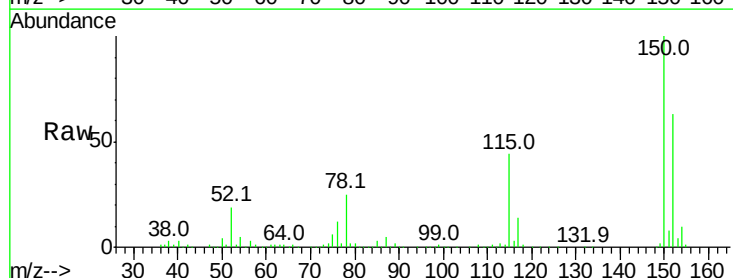
Instrument :
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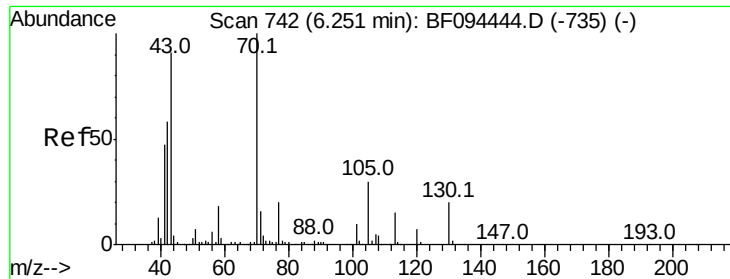
Tot Ion: 93 Resp: 1129
 Ion Ratio Lower Upper
 93 100
 63 695.8 59.2 99.2#
 95 209.0 12.8 52.8#



#15
 Benzyl Alcohol
 Concen: 1.66 ng
 RT: 5.93 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Tgt Ion: 79 Resp: 12278
 Ion Ratio Lower Upper
 79 100
 108 30.5 63.4 95.0#
 77 106.0 49.2 73.8#

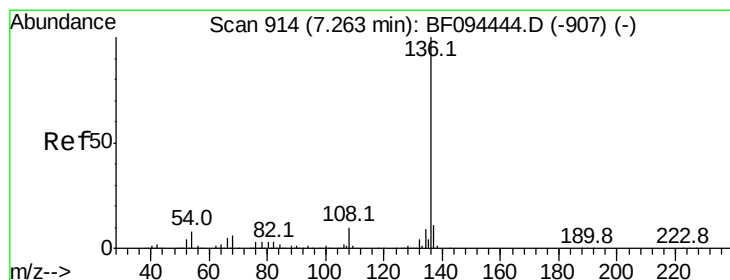
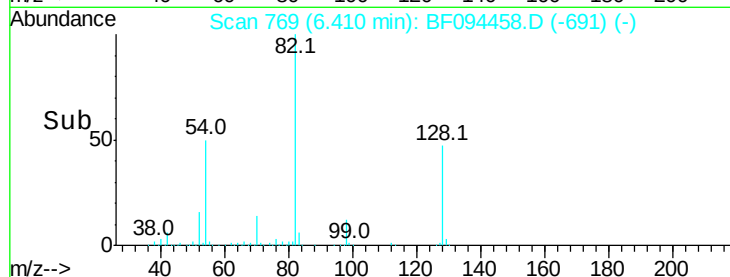
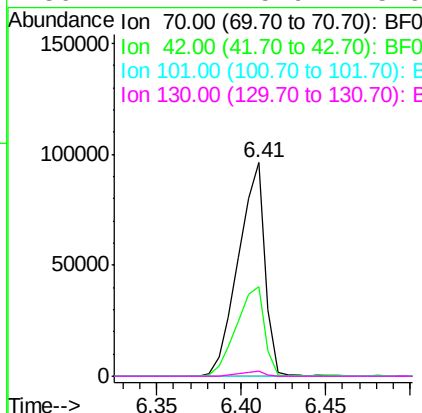
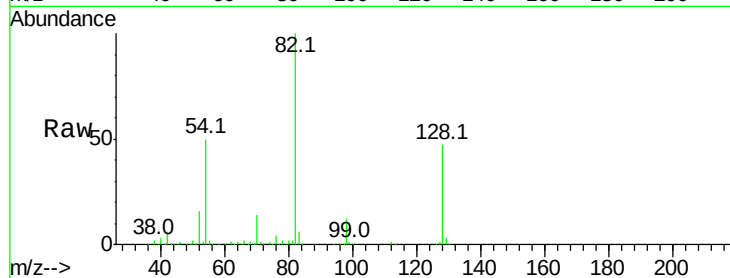




#19
 n-Nitroso-di-n-propylamine
 Concen: 16.05 ng
 RT: 6.41 min Scan# 769
 Delta R.T. 0.16 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

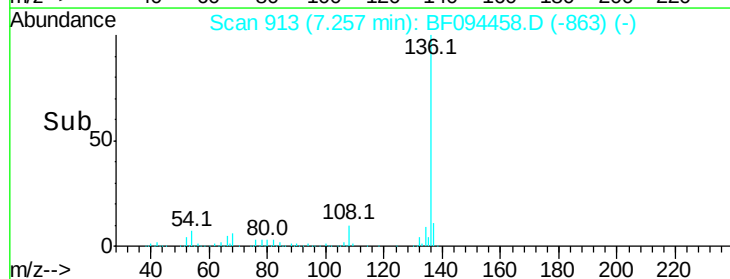
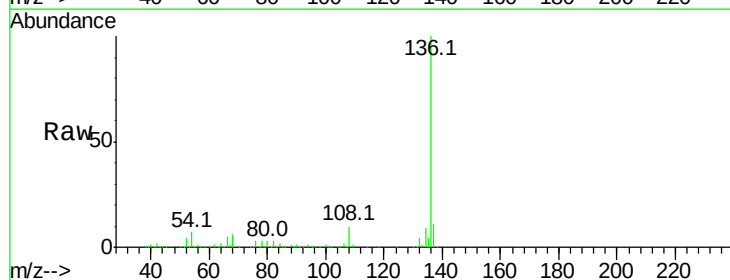
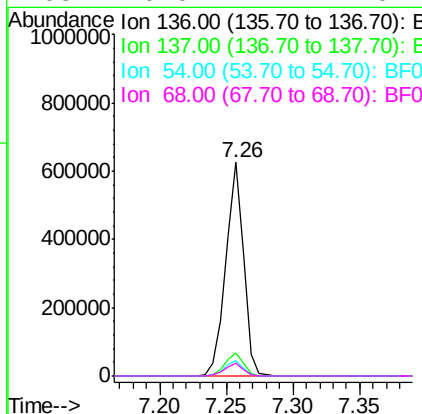
Instrument :
 BNA_F
 ClientSampleId :

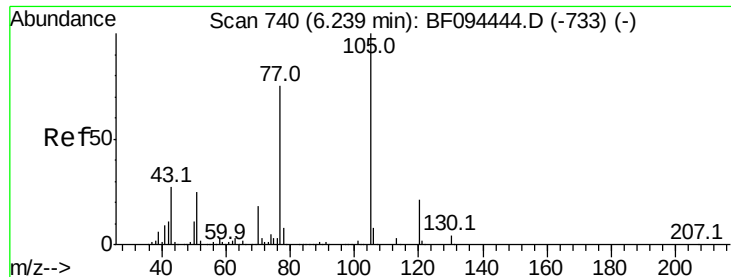
Tot Ion: 70 Resp: 106030
 Ion Ratio Lower Upper
 70 100
 42 42.0 47.2 70.8#
 101 0.0 7.2 10.8#
 130 2.2 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.26 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Tgt Ion: 136 Resp: 593715
 Ion Ratio Lower Upper
 136 100
 137 10.7 8.5 12.7
 54 7.3 4.9 7.3
 68 6.0 4.1 6.1

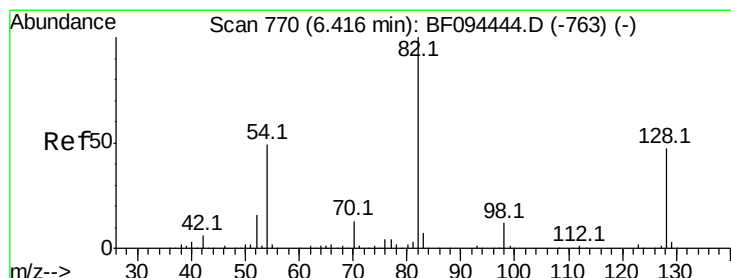
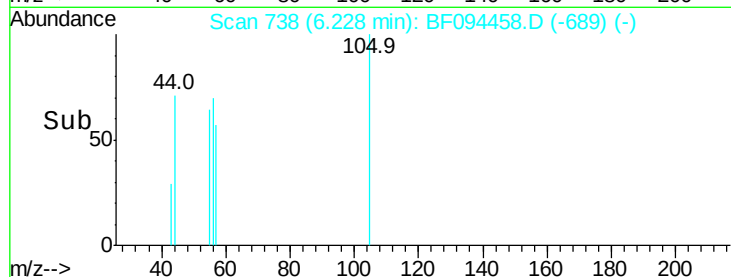
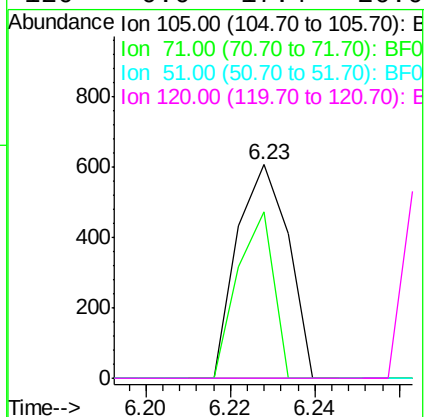
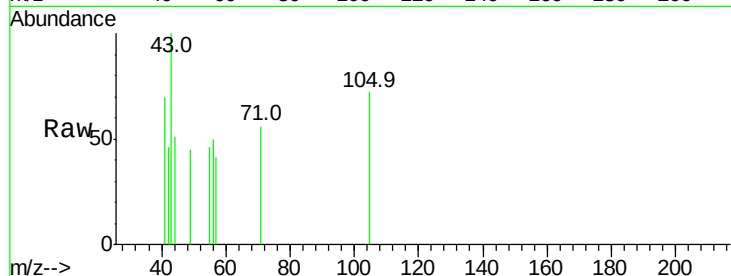




#22
Acetophenone
Concen: 0.04 ng
RT: 6.23 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

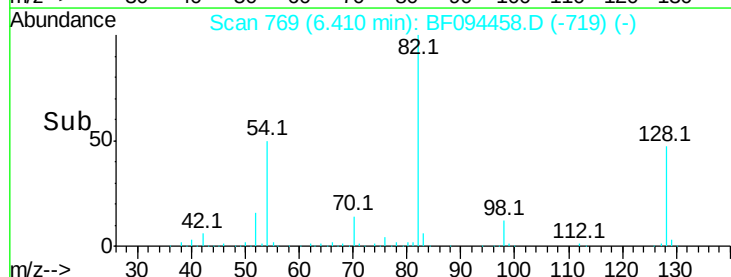
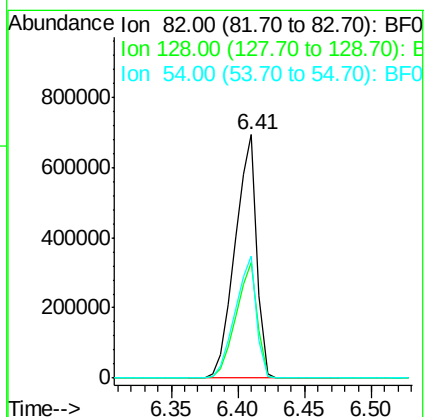
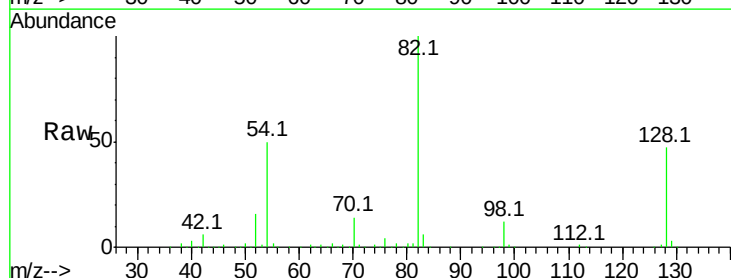
Instrument :
BNA_F
ClientSampleId :

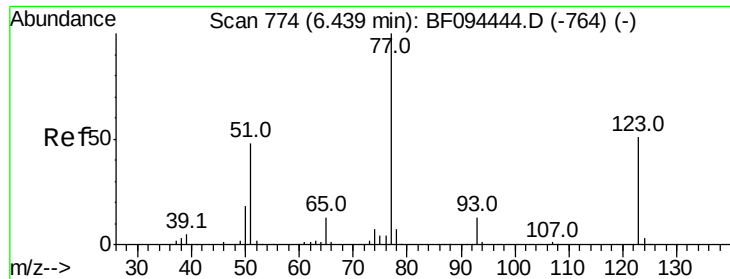
Tot Ion:105 Resp: 511
Ion Ratio Lower Upper
105 100
71 77.9 2.8 4.2#
51 0.0 30.7 46.1#
120 0.0 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 81.39 ng
RT: 6.41 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

Tgt Ion: 82 Resp: 782589
Ion Ratio Lower Upper
82 100
128 47.3 34.0 51.0
54 50.0 42.2 63.2

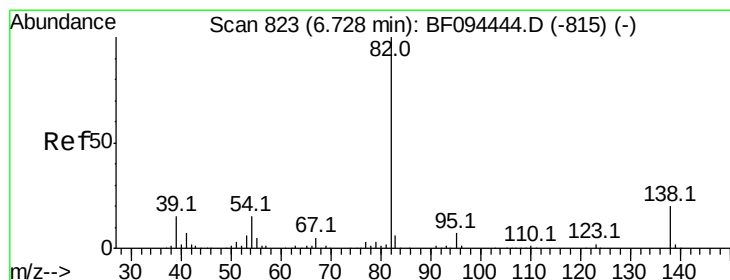
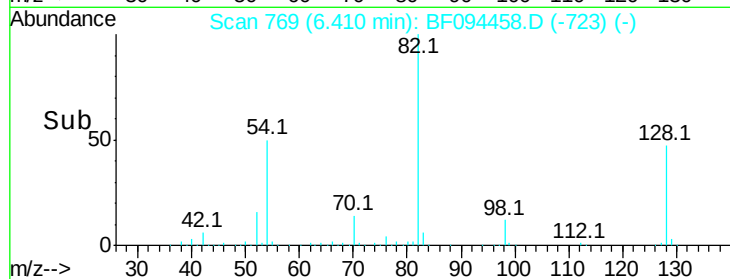
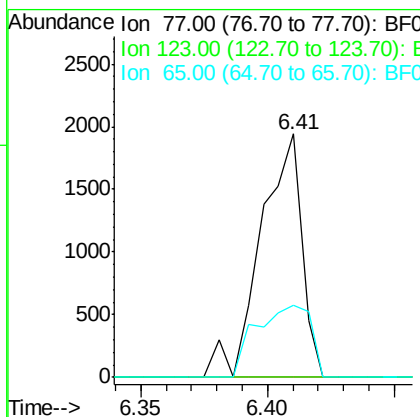
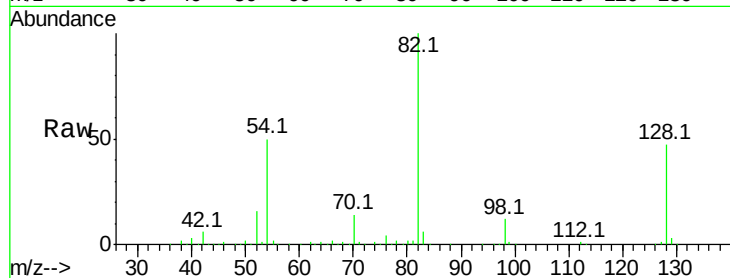




#24
 Nitrobenzene
 Concen: 0.22 ng
 RT: 6.41 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

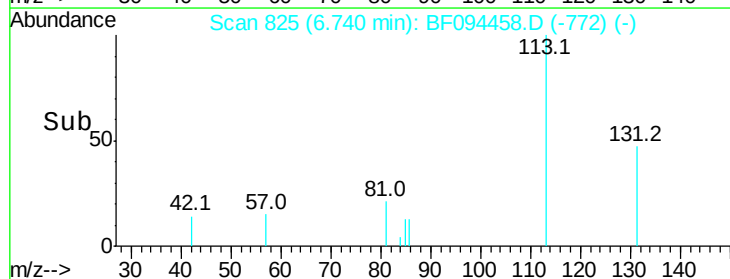
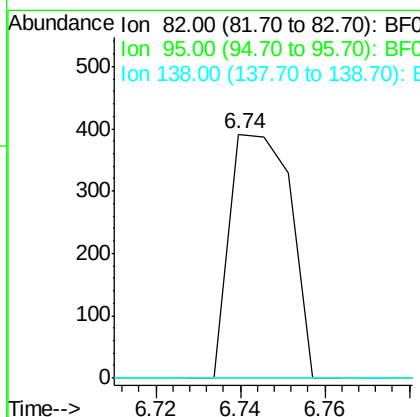
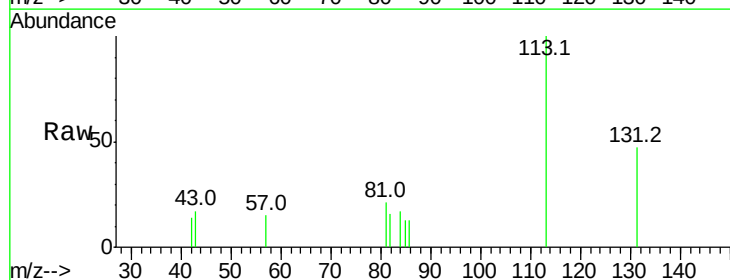
Instrument :
 BNA_F
 ClientSampleID :

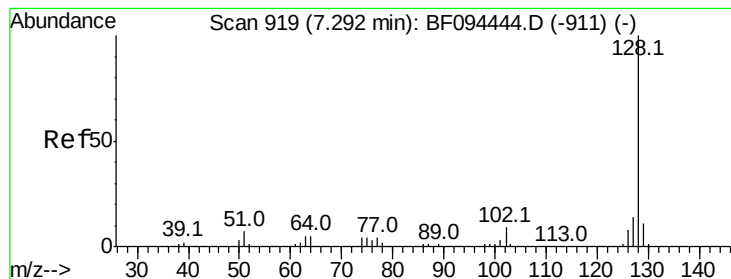
Tot Ion: 77 Resp: 2181
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 29.7 10.6 15.8#



#25
 Isophorone
 Concen: 0.02 ng
 RT: 6.74 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Tgt Ion: 82 Resp: 391
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 0.21 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

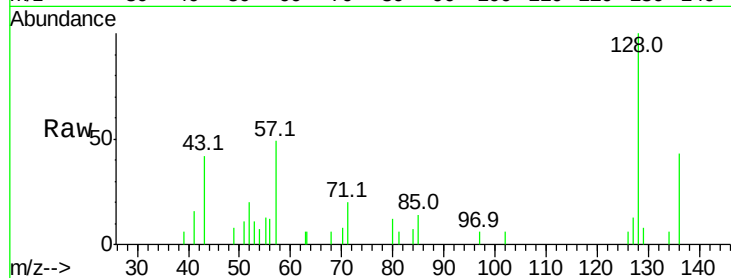
Tot Ion:128 Resp: 6117

Ion Ratio Lower Upper

128 100

129 8.2 9.0 13.6#

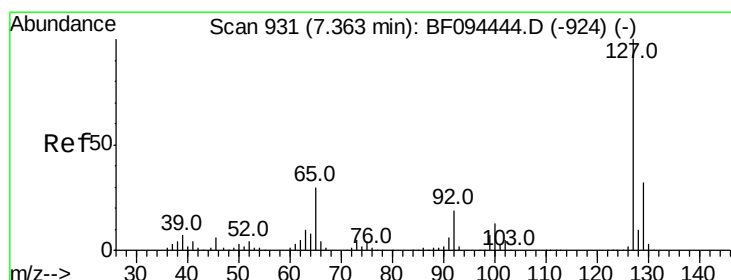
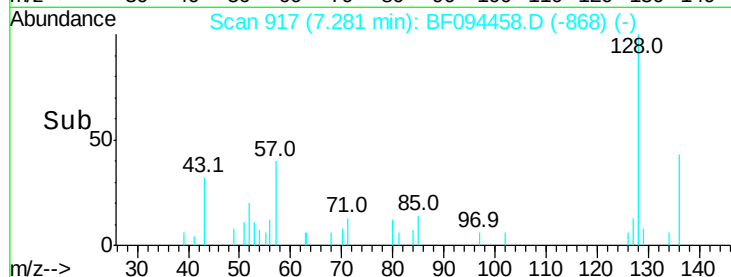
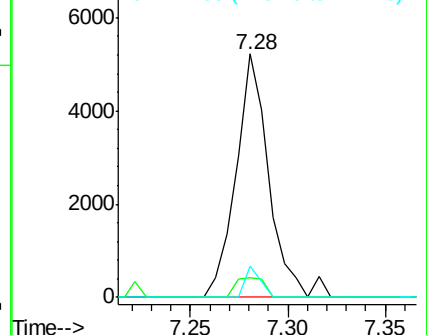
127 13.0 10.8 16.2



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



#33

4-Chloroaniline

Concen: 0.03 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.08 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Tgt Ion:127 Resp: 360

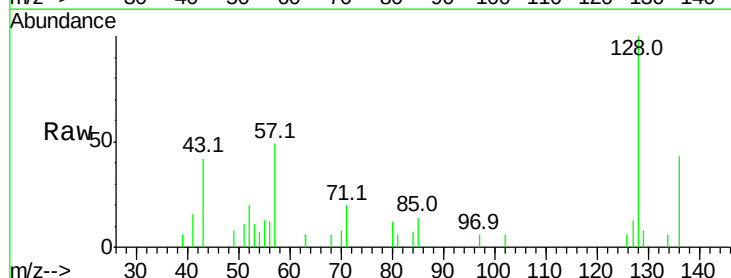
Ion Ratio Lower Upper

127 100

129 63.6 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

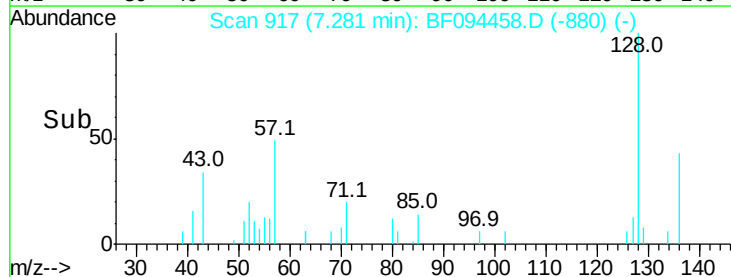
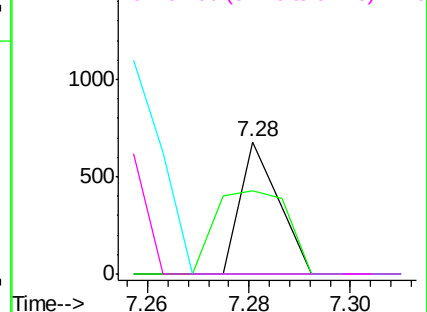


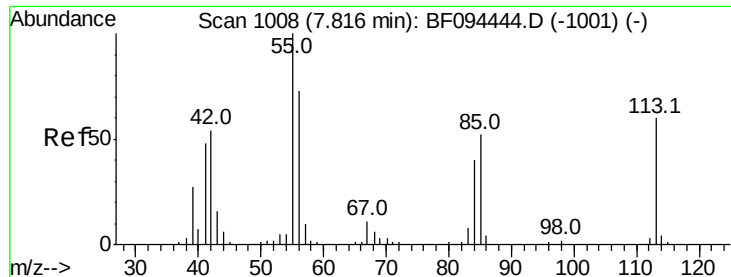
Abundance Ion 127.00 (126.70 to 127.70): E

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: 0.14 ng

RT: 7.82 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :
BNA_F
ClientSampleId :

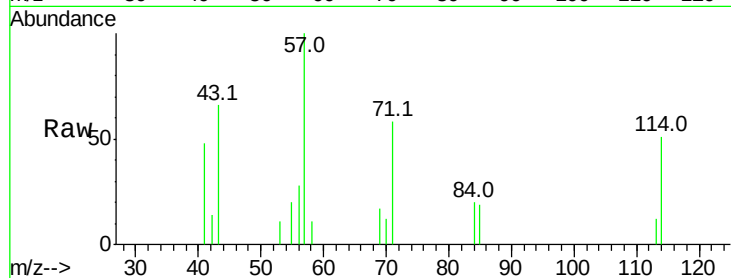
Tot Ion:113 Resp: 355

Ion Ratio Lower Upper

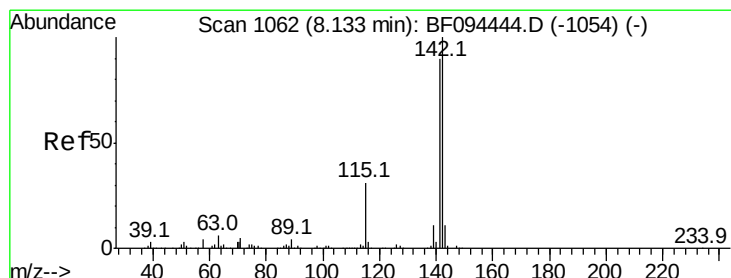
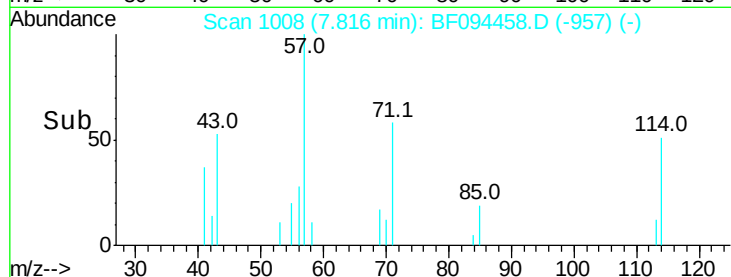
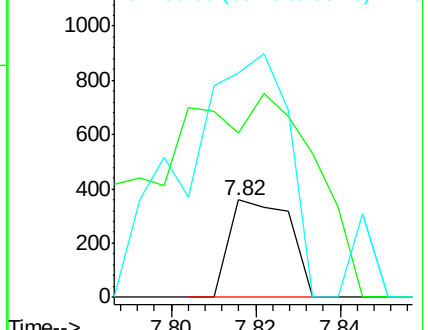
113 100

55 168.7 150.2 190.2

56 231.0 107.8 147.8#



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: 0.10 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

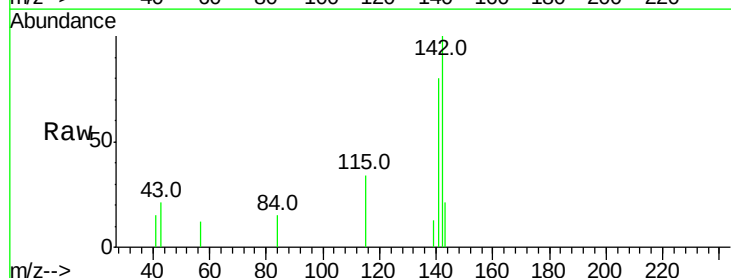
Tgt Ion:142 Resp: 2048

Ion Ratio Lower Upper

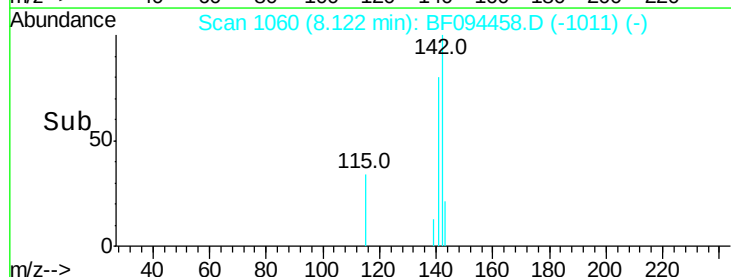
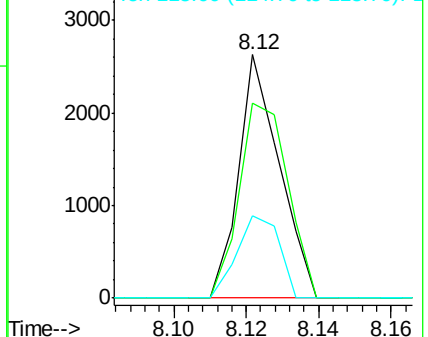
142 100

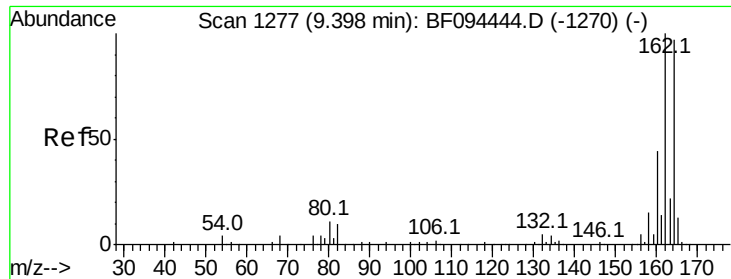
141 80.2 71.3 106.9

115 34.0 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

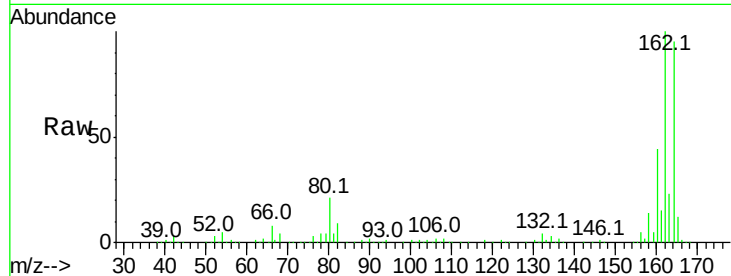




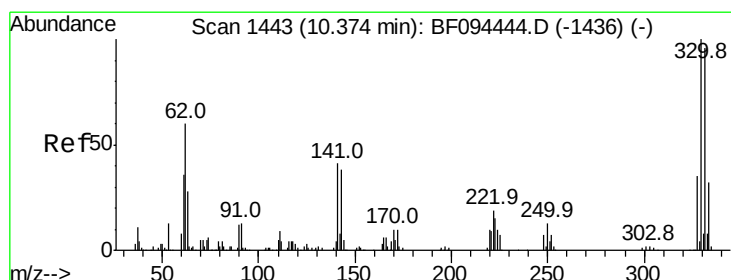
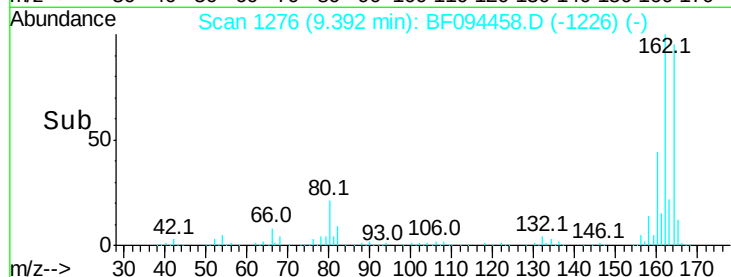
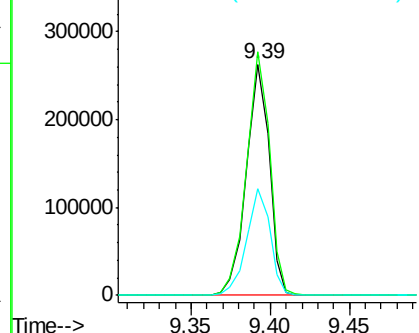
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 264348
 Ion Ratio Lower Upper
 164 100
 162 105.5 82.6 123.8
 160 46.2 36.2 54.2

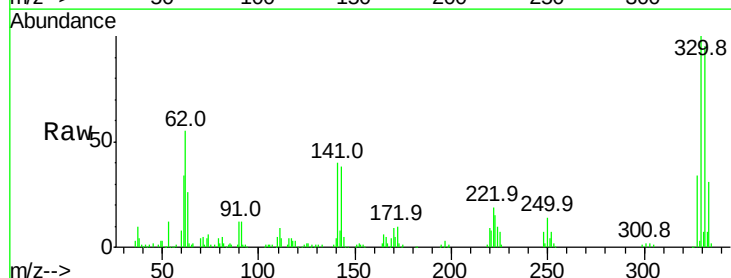


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

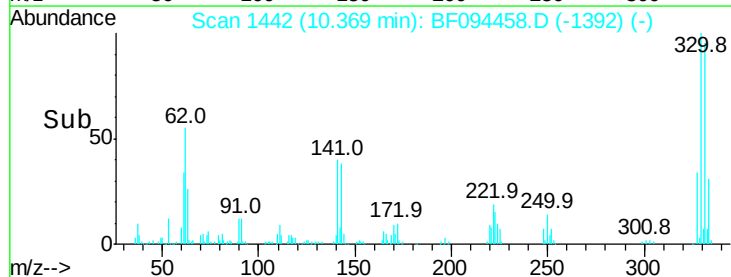
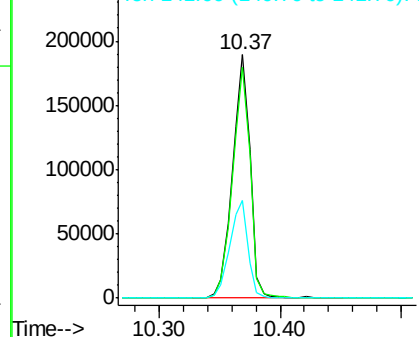


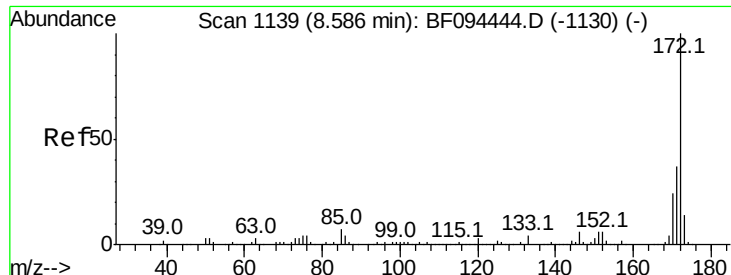
#41
 2,4,6-Tribromophenol
 Concen: 92.51 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Tgt Ion:330 Resp: 191278
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 41.8 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

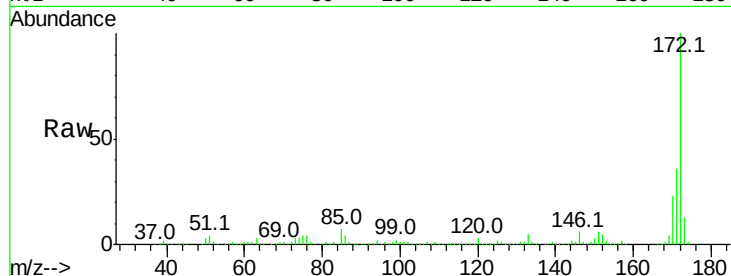




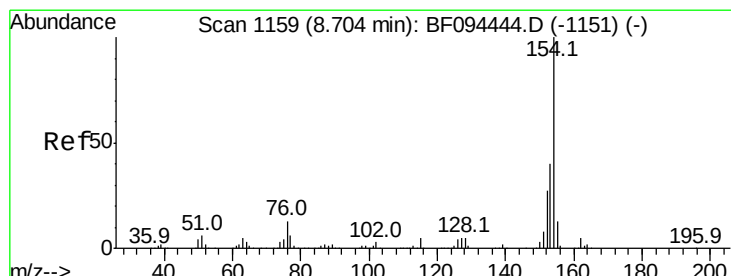
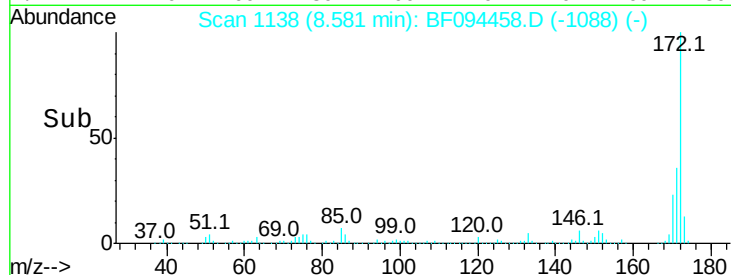
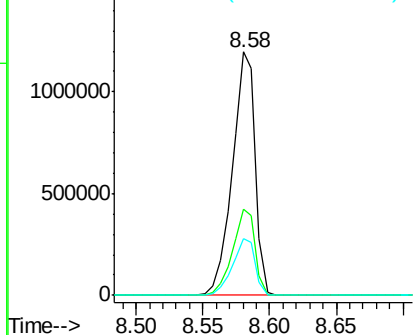
#44
2-Fluorobiphenyl
Concen: 79.30 ng
RT: 8.58 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1424680
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.4 19.8 29.8

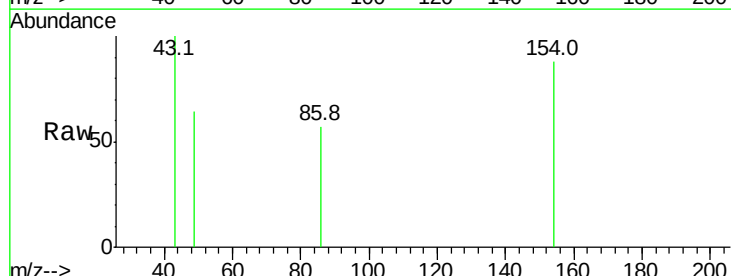


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

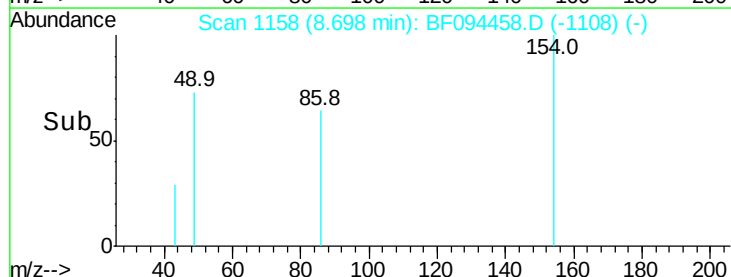
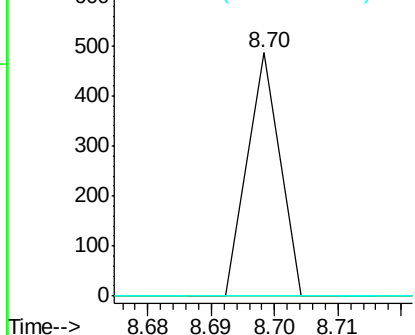


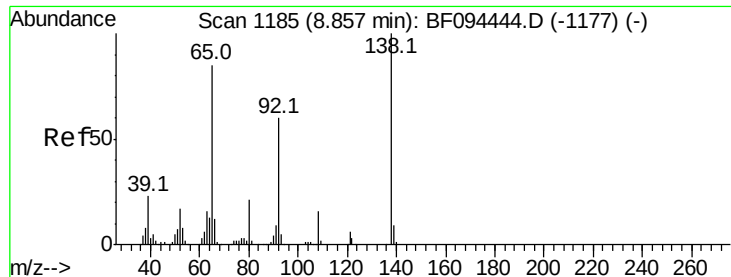
#45
1,1'-Biphenyl
Concen: 0.01 ng
RT: 8.70 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

Tgt Ion:154 Resp: 172
Ion Ratio Lower Upper
154 100
153 0.0 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

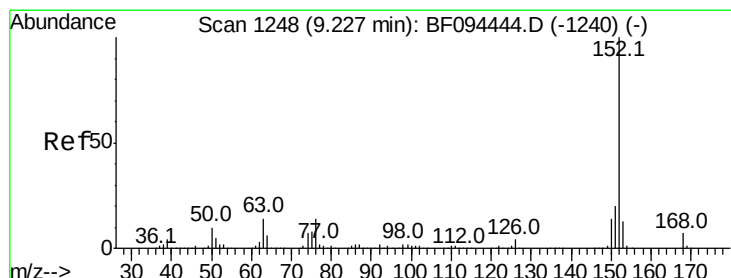
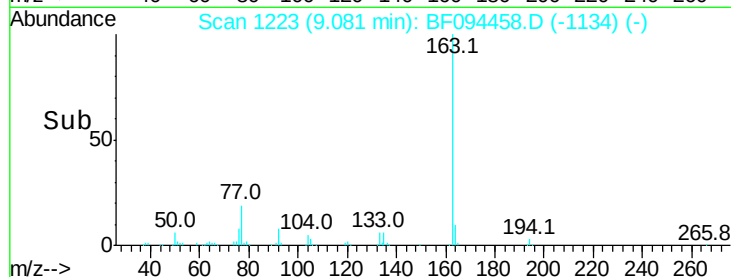
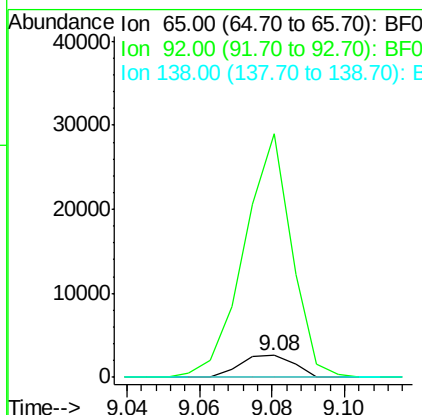
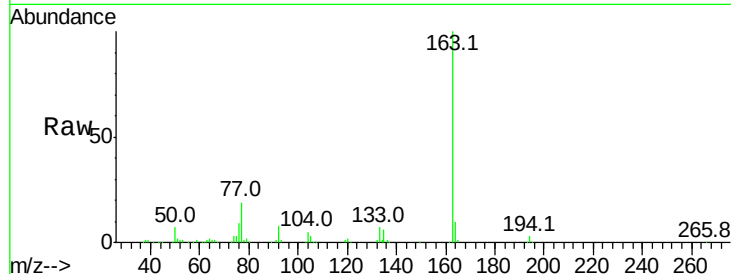




#47
2-Nitroaniline
Concen: 0.55 ng
RT: 9.08 min Scan# 1223
Delta R.T. 0.22 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

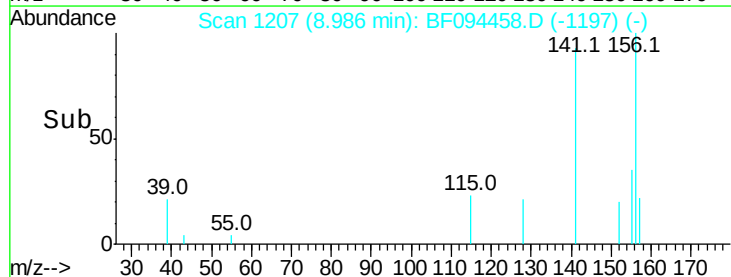
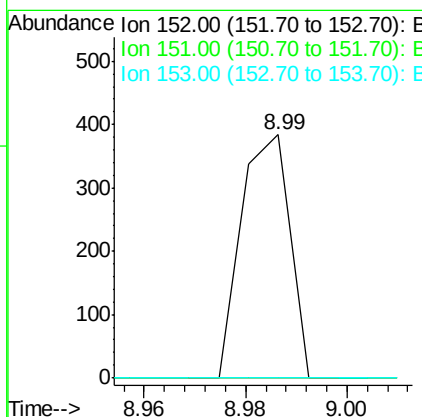
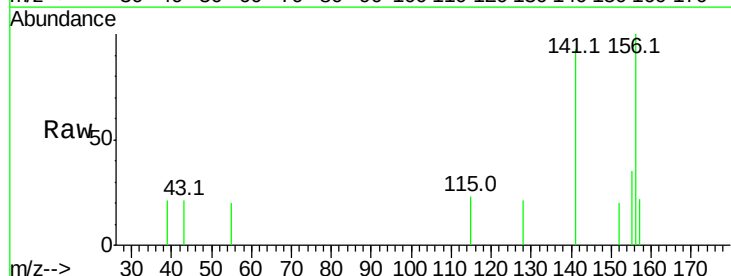
Instrument :
BNA_F
ClientSampleId :

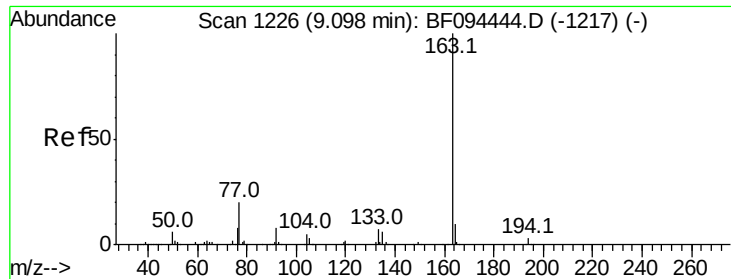
Tot Ion: 65 Resp: 2697
Ion Ratio Lower Upper
65 100
92 1104.6 53.9 80.9#
138 0.0 78.8 118.2#



#48
Acenaphthylene
Concen: 0.01 ng
RT: 8.99 min Scan# 1207
Delta R.T. -0.24 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

Tgt Ion: 152 Resp: 255
Ion Ratio Lower Upper
152 100
151 0.0 16.8 25.2#
153 0.0 10.8 16.2#





#49

Dimethylphthalate

Concen: 16.51 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

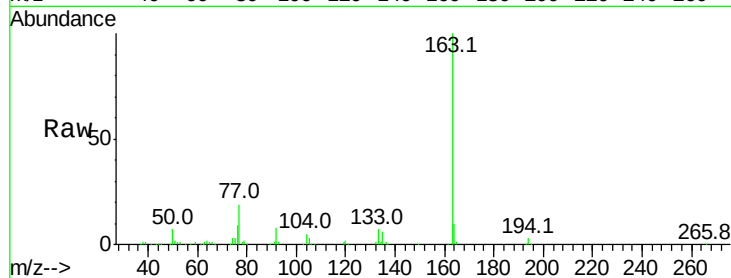
Tot Ion:163 Resp: 325325

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

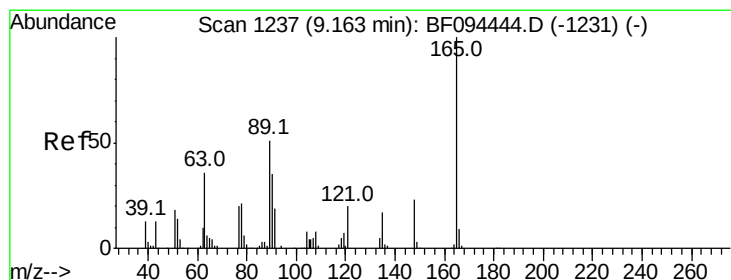
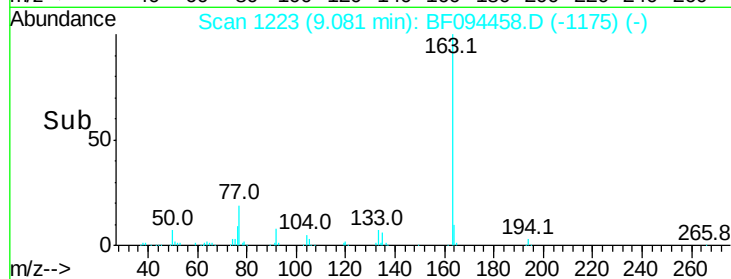
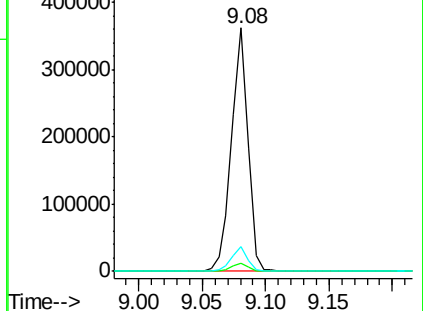
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.71 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.08 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

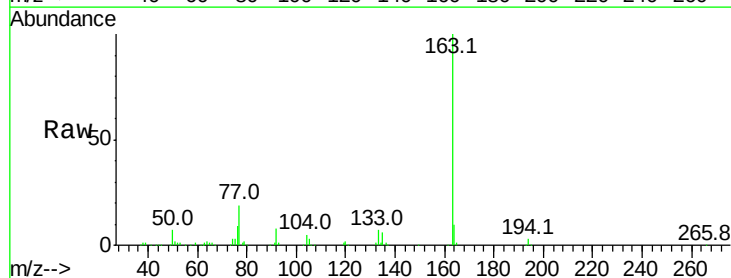
Tgt Ion:165 Resp: 3122

Ion Ratio Lower Upper

165 100

63 167.6 34.3 51.5#

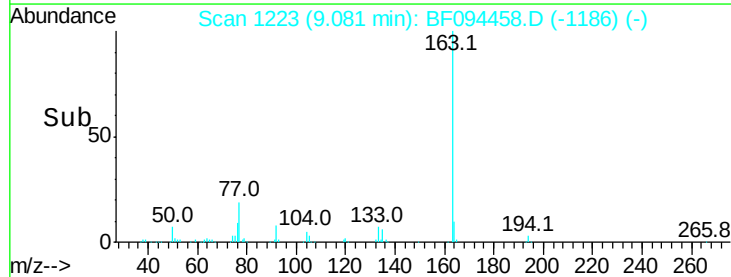
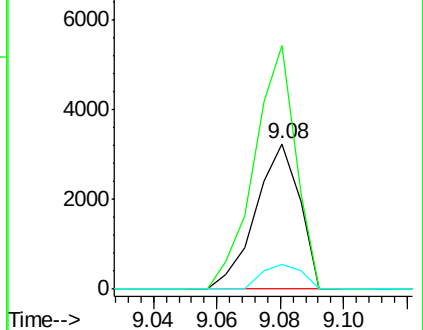
89 17.1 37.1 55.7#

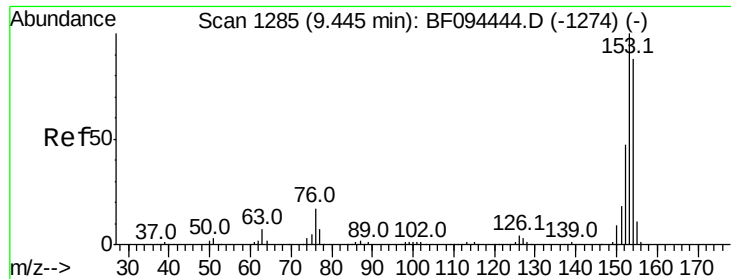


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.07 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.05 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

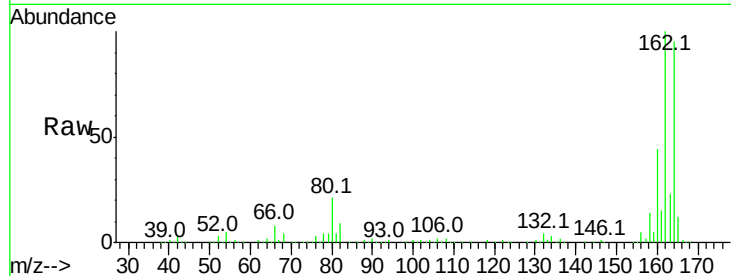
Tot Ion:154 Resp: 1161

Ion Ratio Lower Upper

154 100

153 0.0 90.5 135.7#

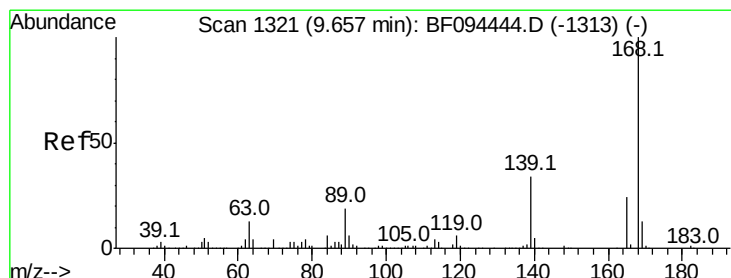
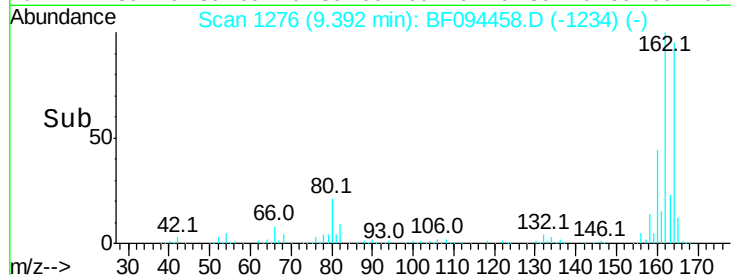
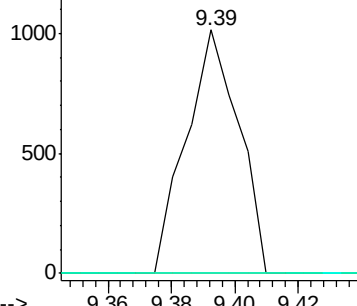
152 0.0 43.6 65.4#



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



#54

Dibenzofuran

Concen: 0.03 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

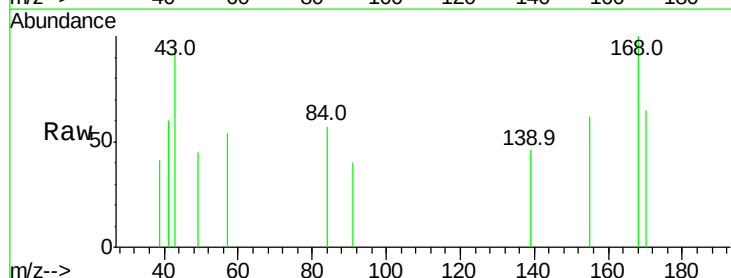
Tgt Ion:168 Resp: 681

Ion Ratio Lower Upper

168 100

139 46.5 30.6 45.8#

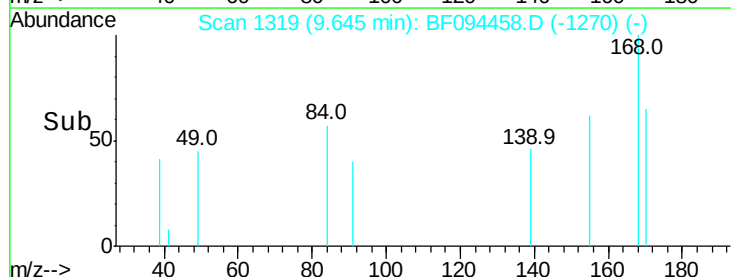
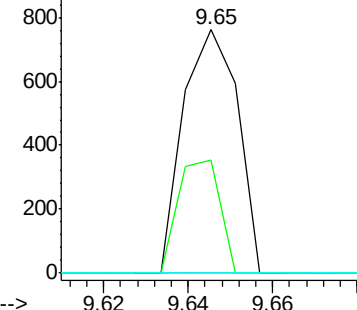
169 0.0 10.8 16.2#

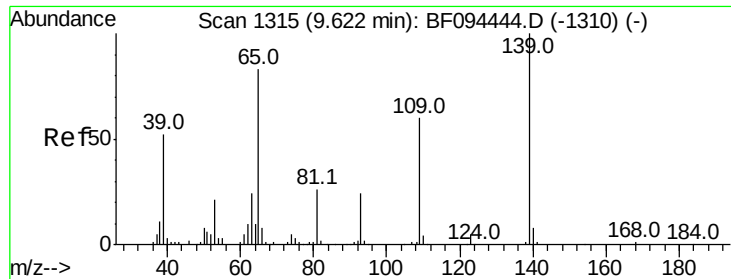


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 0.07 ng

RT: 9.65 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

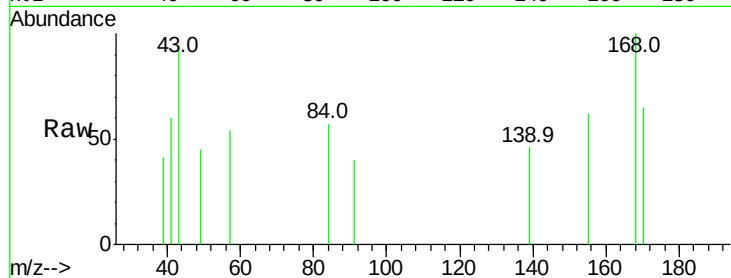
Tot Ion:139 Resp: 242

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

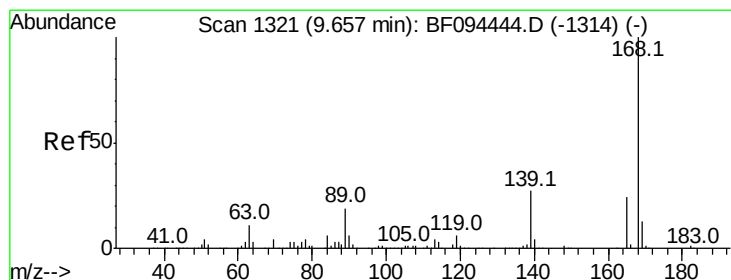
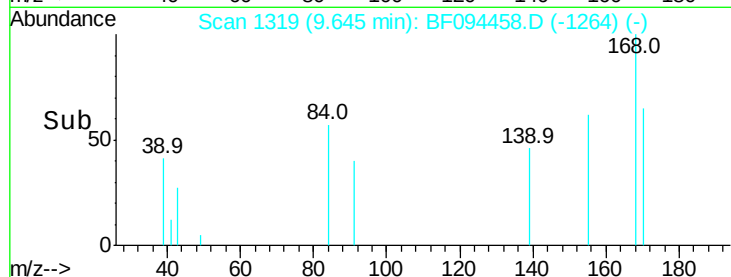
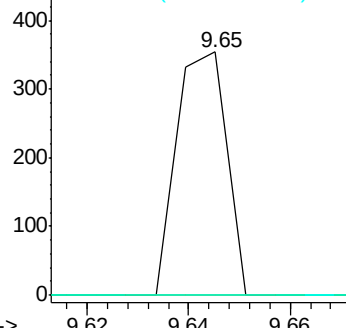
65 0.0 31.4 71.4#



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): E



#56

2,4-Dinitrotoluene

Concen: 6.14 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.26 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Tgt Ion:165 Resp: 33317

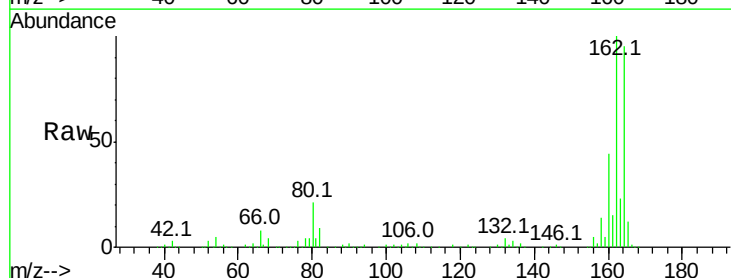
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

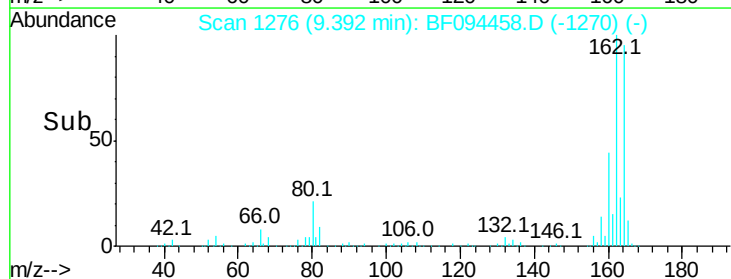
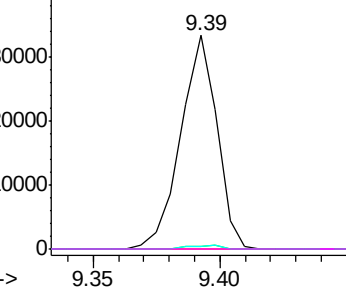


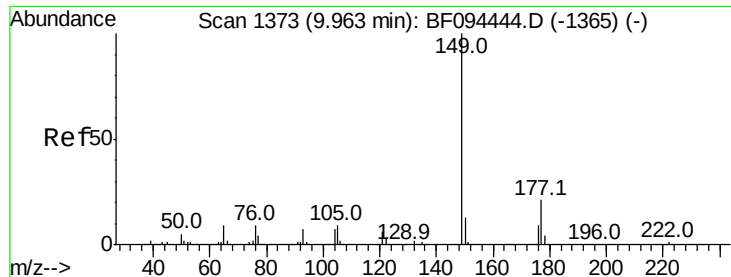
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

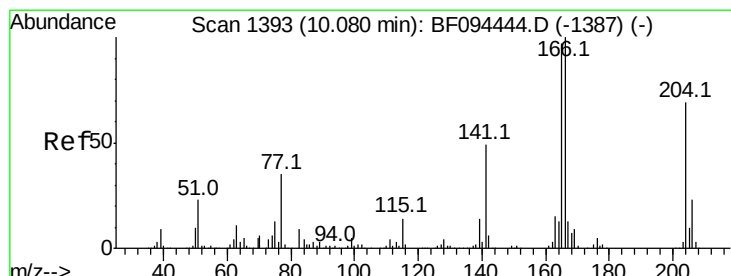
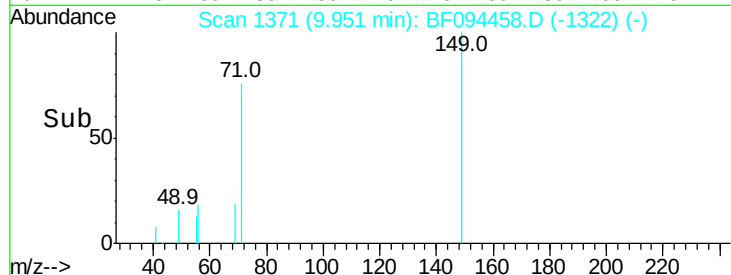
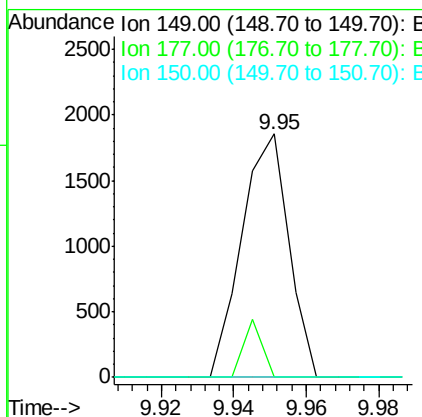
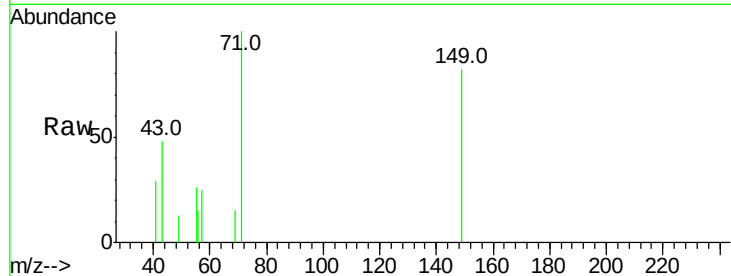




#59
 Diethylphthalate
 Concen: 0.09 ng
 RT: 9.95 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

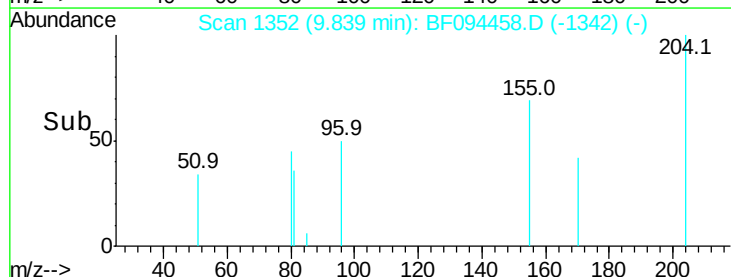
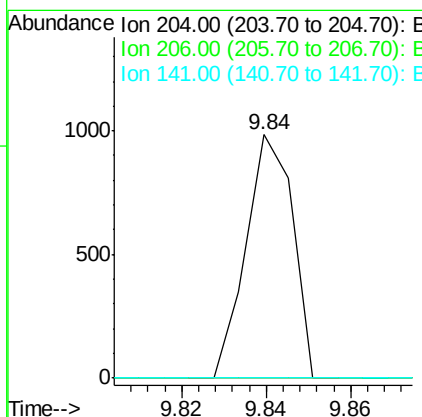
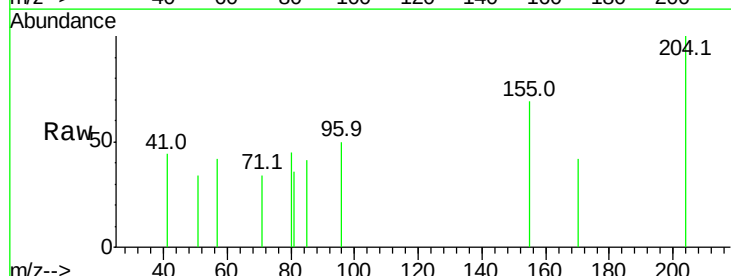
Instrument :
 BNA_F
 ClientSampled :

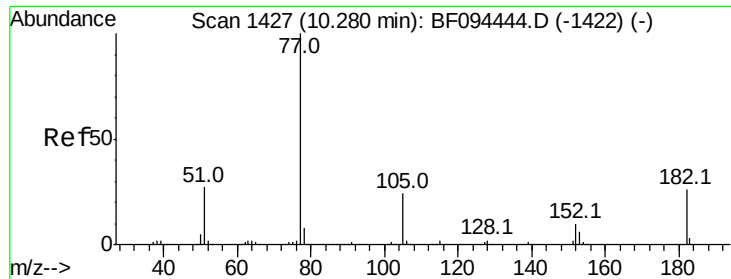
Tot Ion	Ratio	Lower	Upper
149	100		
177	0.0	16.7	25.1#
150	0.0	10.2	15.2#



#60
 4-Chlorophenyl-phenylether
 Concen: 0.10 ng
 RT: 9.84 min Scan# 1352
 Delta R.T. -0.24 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Tgt Ion	Ratio	Lower	Upper
204	100		
206	0.0	26.2	39.2#
141	0.0	60.8	91.2#





#62

Azobenzene

Concen: 0.01 ng

RT: 10.20 min Scan# 1414

Delta R.T. -0.08 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 137

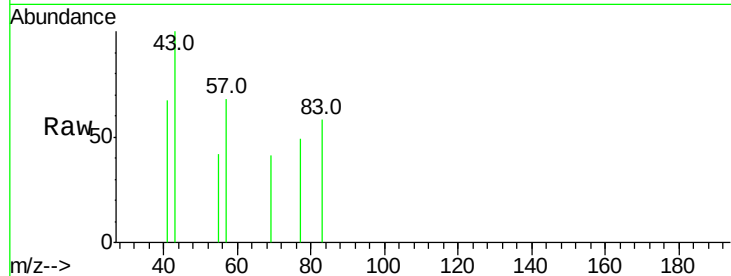
Ion Ratio Lower Upper

77 100

182 0.0 0.1 40.1#

105 0.0 3.6 43.6#

51 0.0 9.4 49.4#

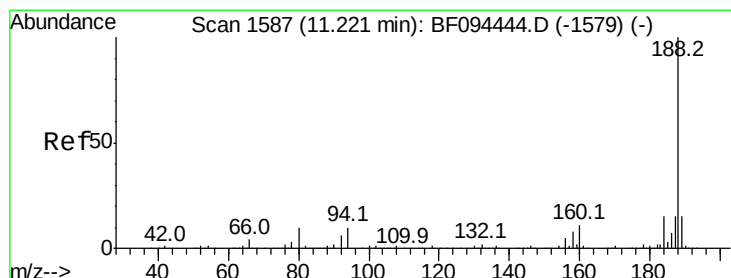
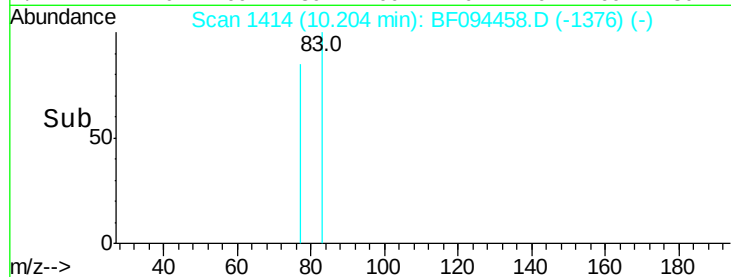
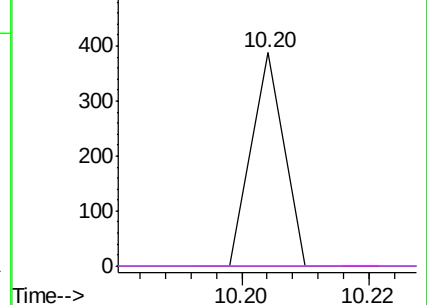


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF094458.D

Acq: 17 Apr 2017 19:18

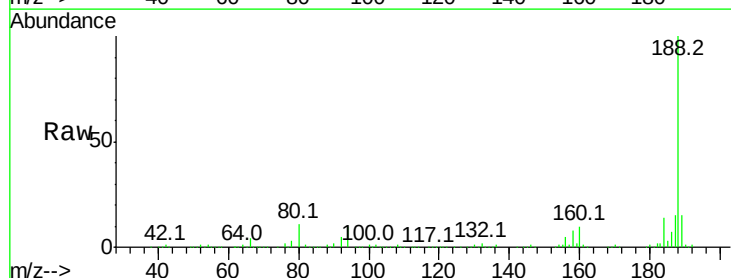
Tgt Ion: 188 Resp: 493675

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

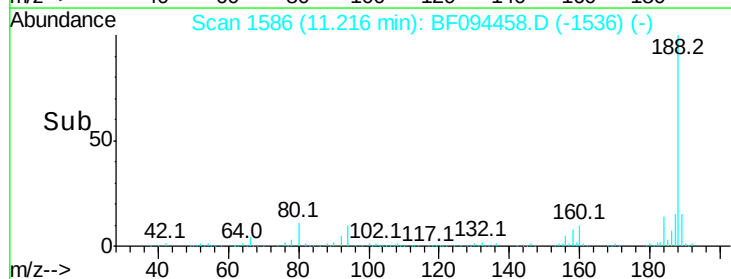
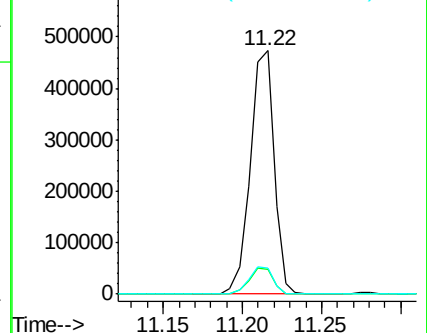
80 10.8 10.2 15.2

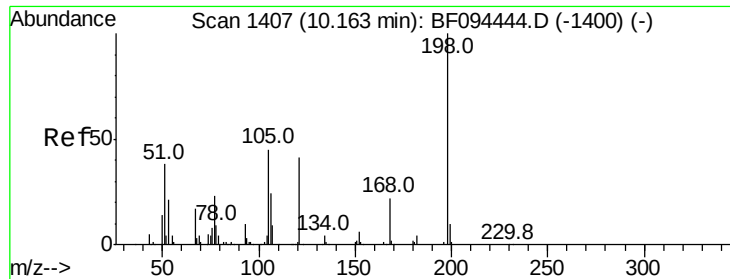


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.10 ng

RT: 10.36 min Scan# 1441

Delta R.T. 0.20 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

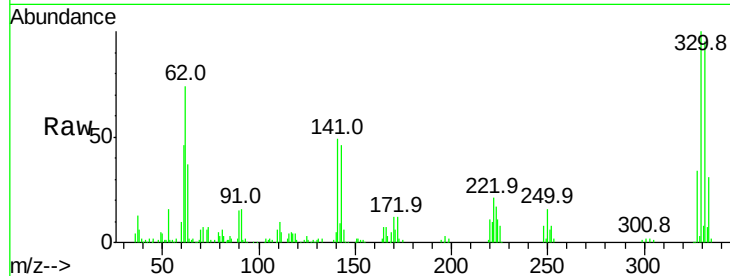
Tot Ion:198 Resp: 316

Ion Ratio Lower Upper

198 100

51 170.5 53.2 93.2#

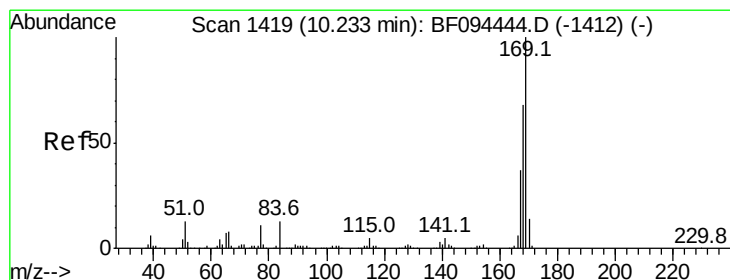
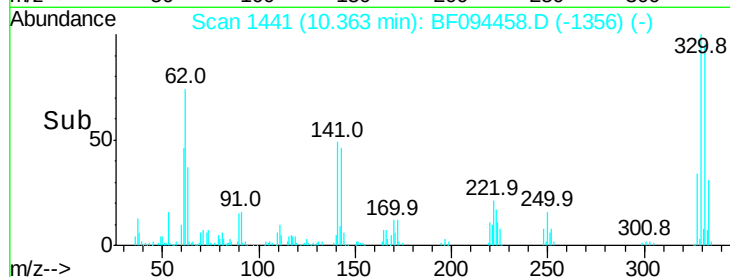
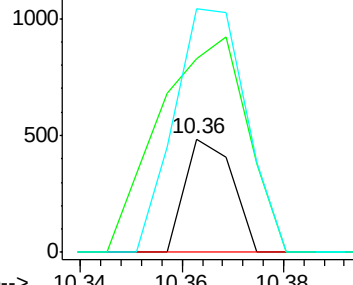
105 214.6 45.8 85.8#



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: 0.03 ng

RT: 10.22 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

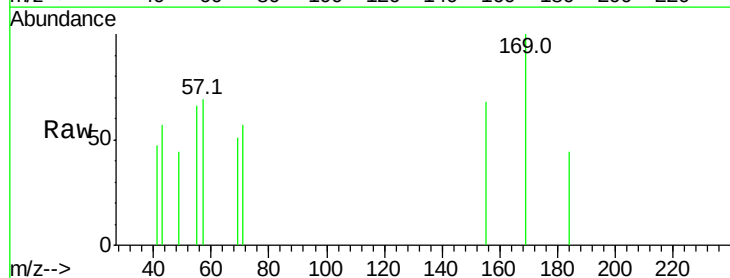
Tgt Ion:169 Resp: 554

Ion Ratio Lower Upper

169 100

168 0.0 53.2 79.8#

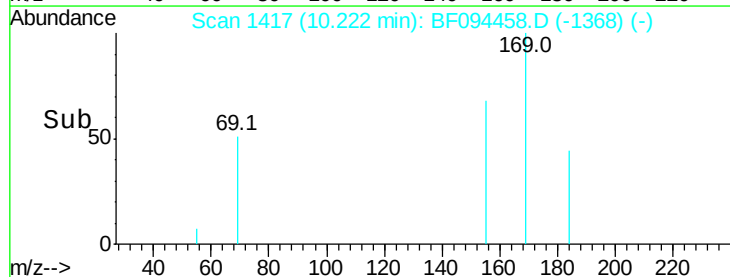
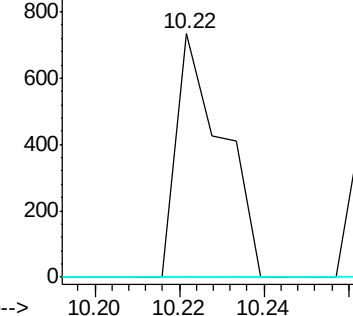
167 0.0 29.5 44.3#

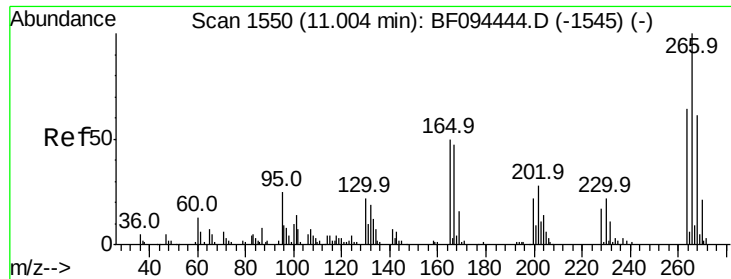


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

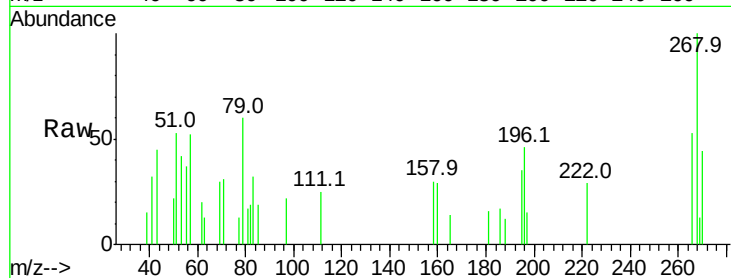




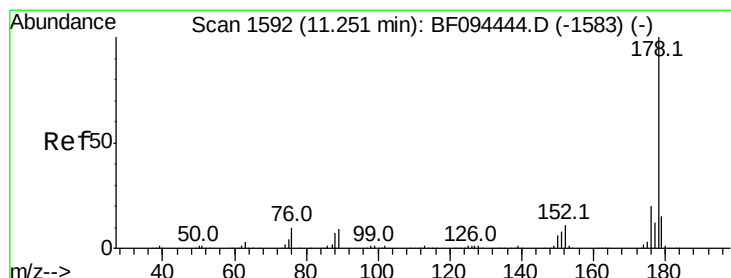
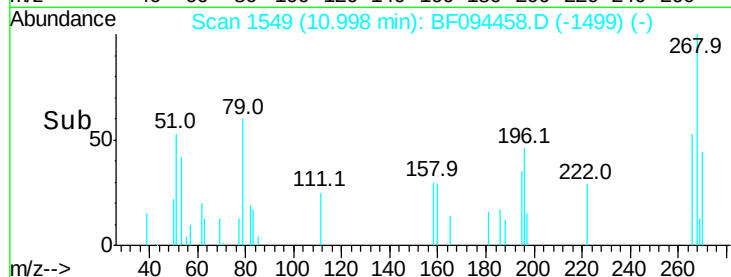
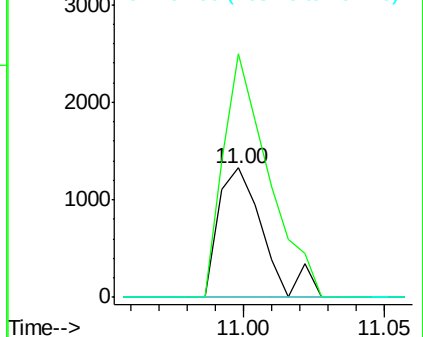
#69
 Pentachlorophenol
 Concen: 0.74 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 1452
 Ion Ratio Lower Upper
 266 100
 268 188.1 51.1 76.7#
 264 0.0 51.7 77.5#

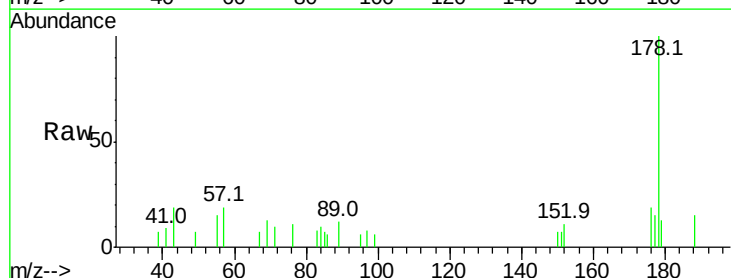


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

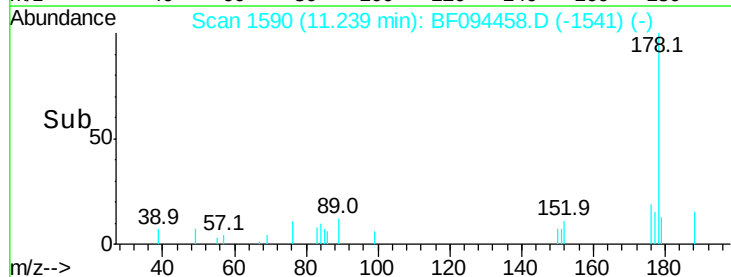
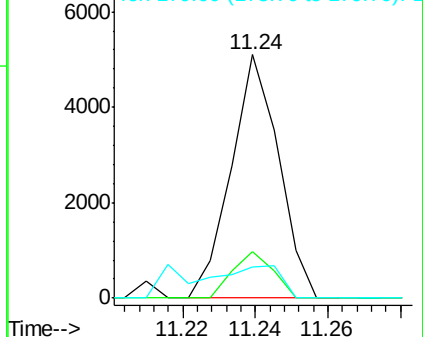


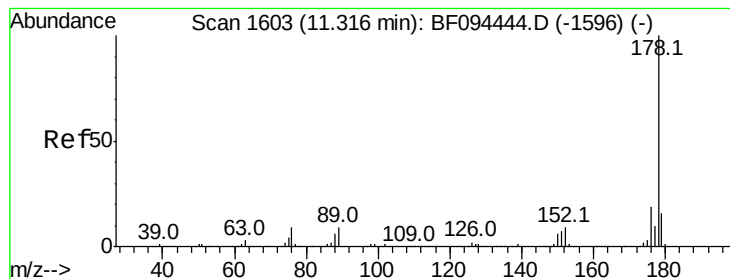
#70
 Phenanthrene
 Concen: 0.17 ng
 RT: 11.24 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF094458.D
 Acq: 17 Apr 2017 19:18

Tgt Ion:178 Resp: 4650
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 13.0 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: 0.16 ng

RT: 11.24 min Scan# 1590

Delta R.T. -0.08 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

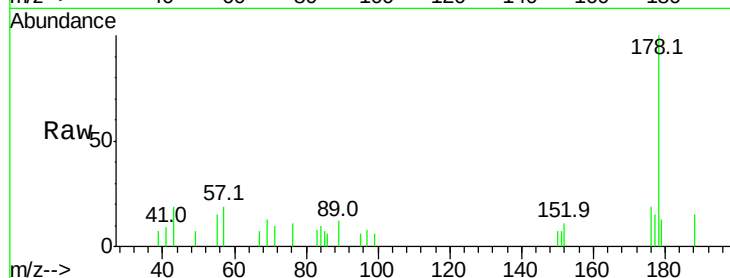
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 4650

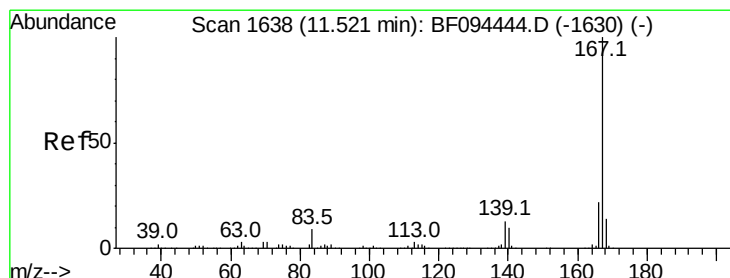
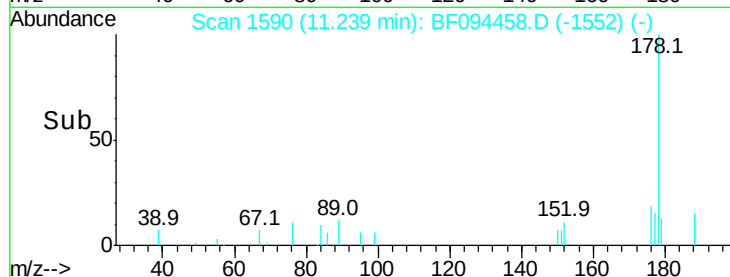
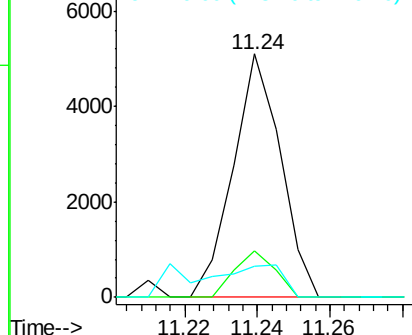
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	13.0	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.00 ng

RT: 11.52 min Scan# 1637

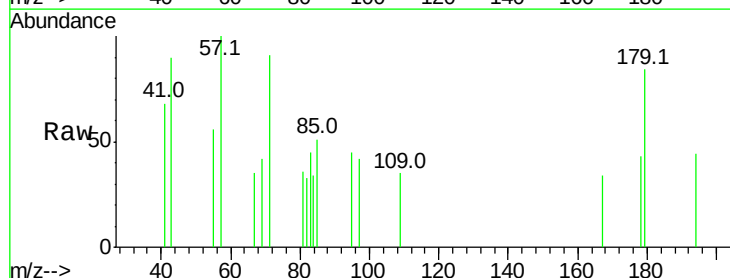
Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Tgt Ion:167 Resp: 111

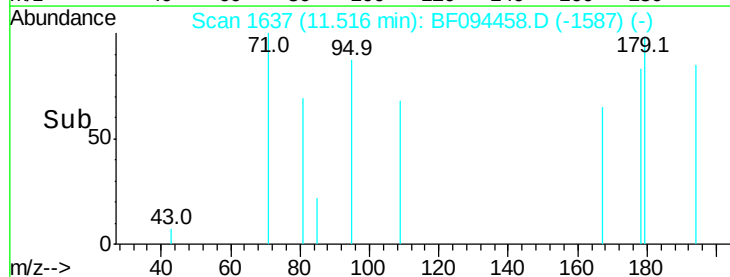
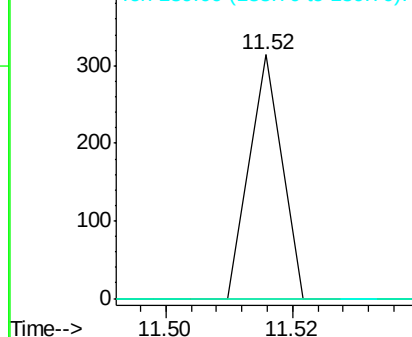
Ion	Ratio	Lower	Upper
167	100		
166	0.0	18.1	27.1#
139	0.0	11.7	17.5#

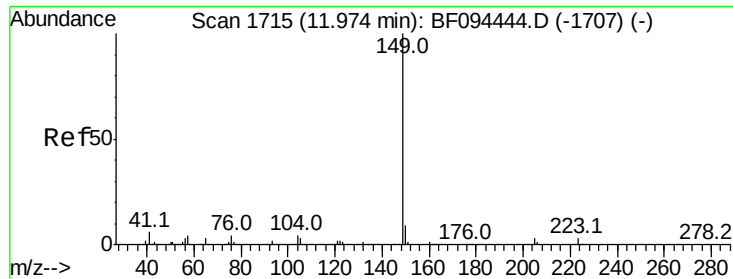


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.14 ng

RT: 11.96 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

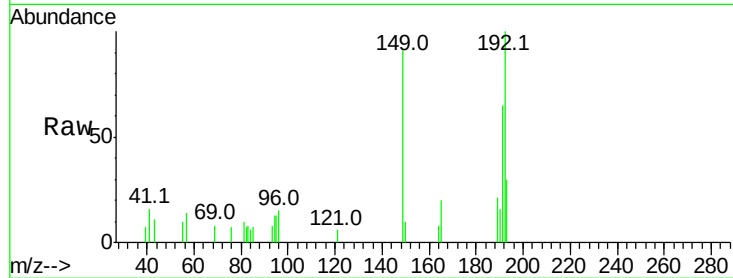
Tot Ion:149 Resp: 4148

Ion Ratio Lower Upper

149 100

150 11.3 7.7 11.5

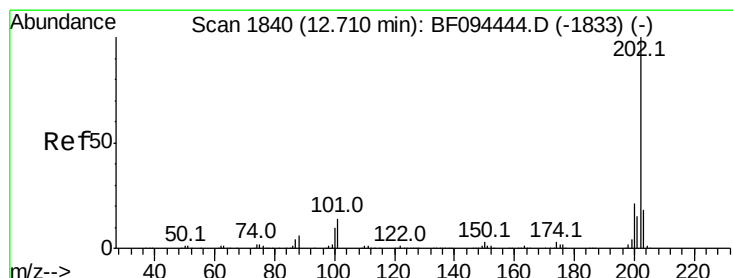
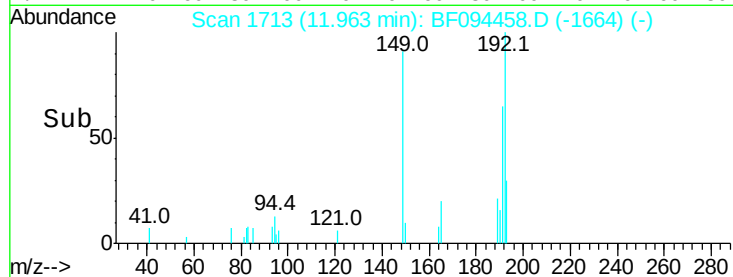
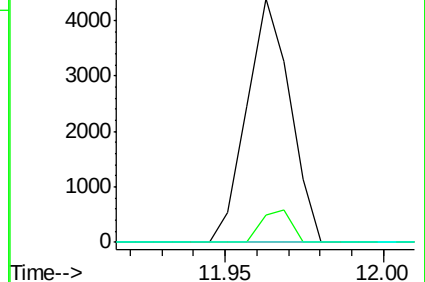
104 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.08 ng

RT: 12.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

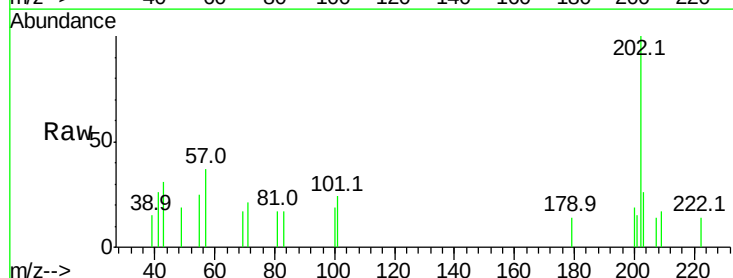
Tgt Ion:202 Resp: 2398

Ion Ratio Lower Upper

202 100

101 24.1 0.0 33.2

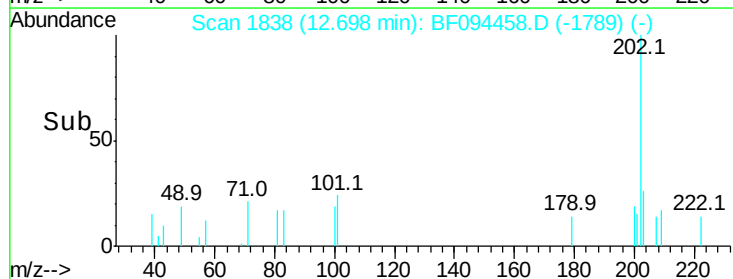
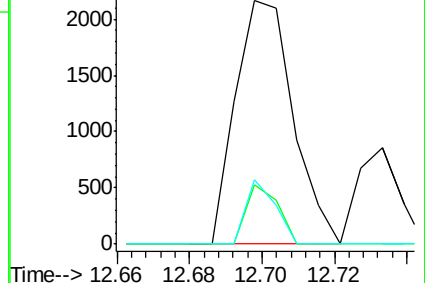
203 26.2 0.0 38.1

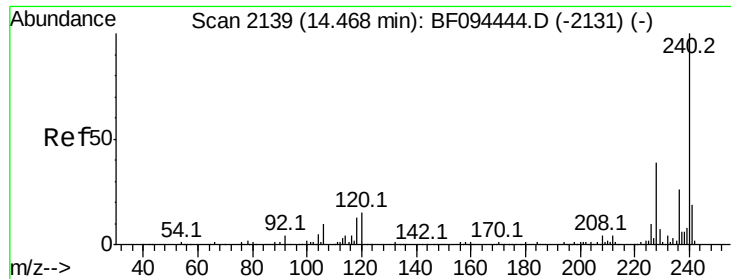


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

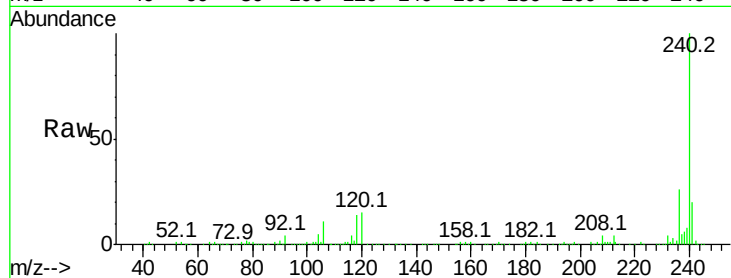
Tot Ion:240 Resp: 414750

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

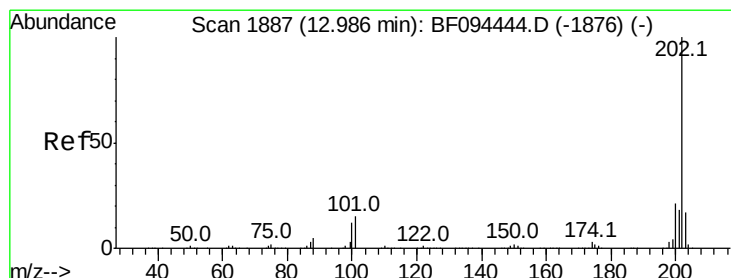
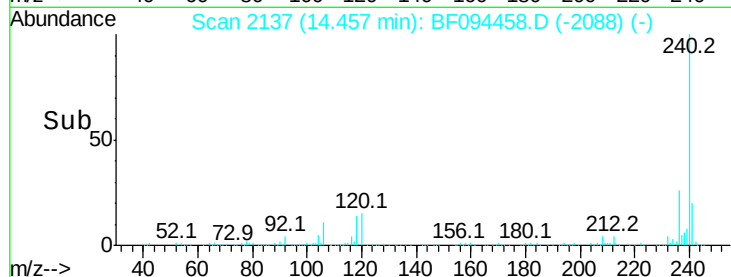
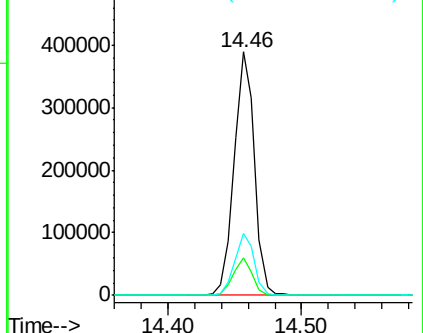
236 25.7 20.5 30.7



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: 0.10 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

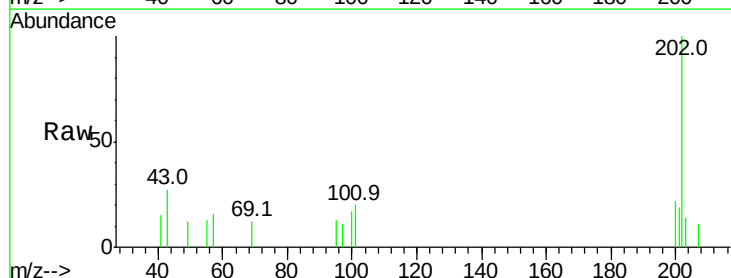
Tgt Ion:202 Resp: 2972

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

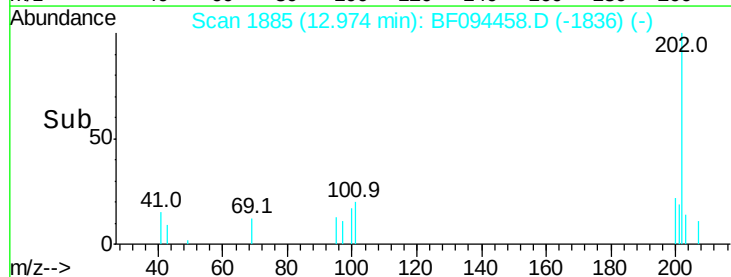
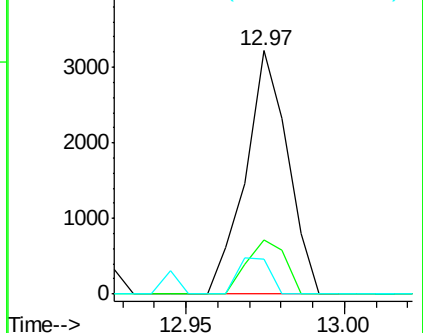
203 14.2 14.4 21.6#

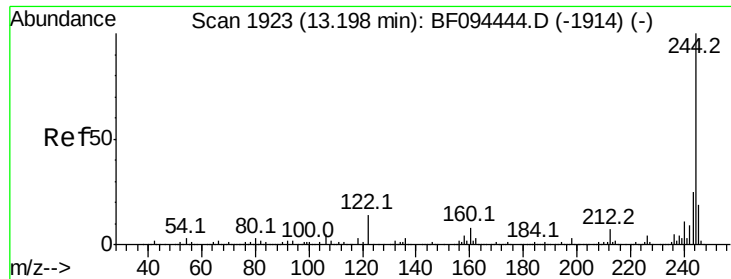


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.72 ng

RT: 13.19 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

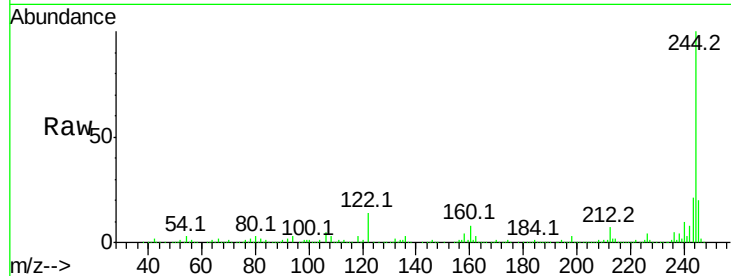
Tot Ion:244 Resp: 1112916

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

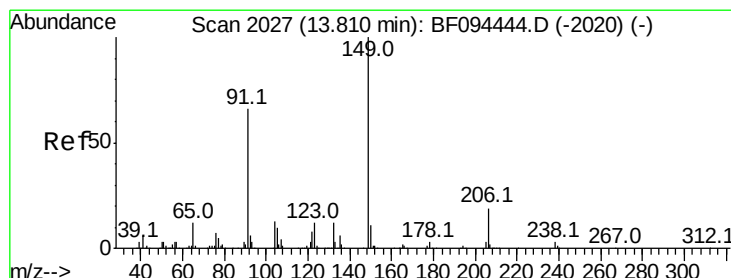
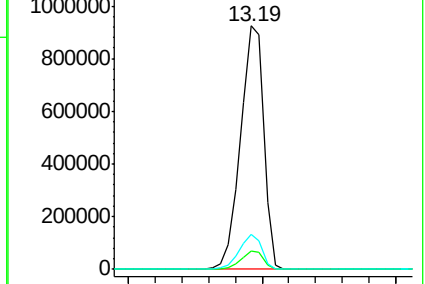
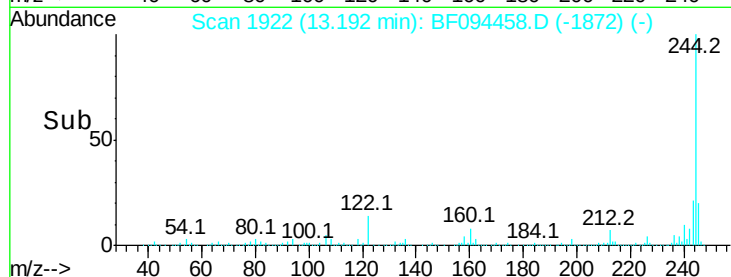
122 14.3 10.3 15.5



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: 0.02 ng

RT: 13.80 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

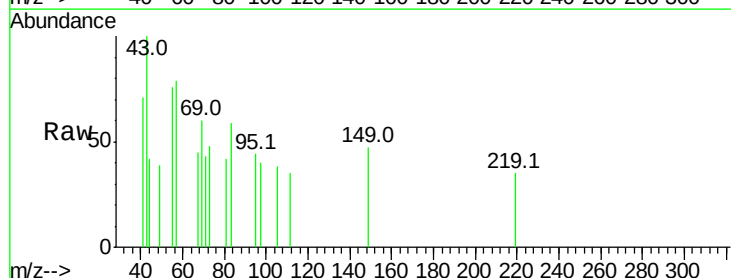
Tgt Ion:149 Resp: 282

Ion Ratio Lower Upper

149 100

91 0.0 45.0 67.4#

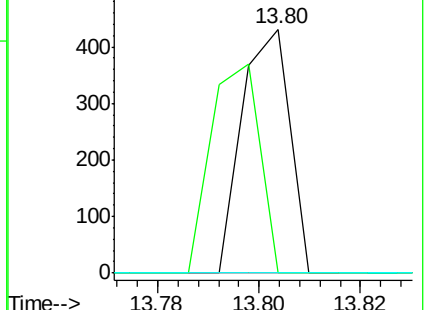
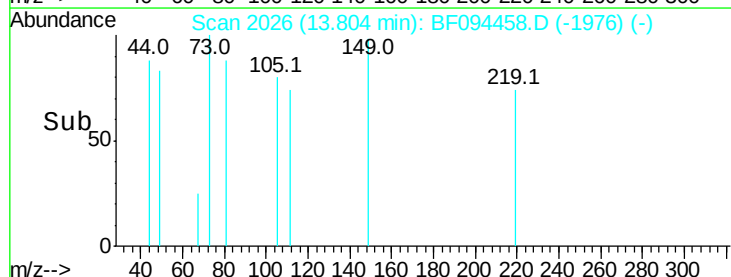
206 0.0 17.0 25.6#

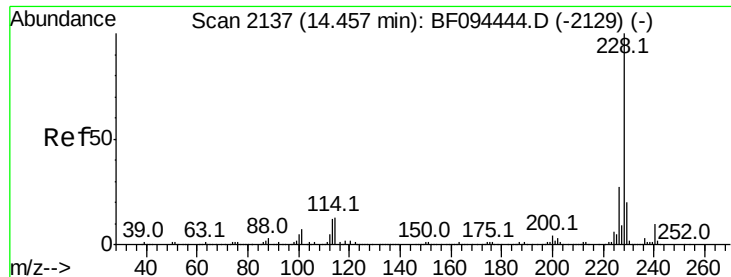


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.29 ng

RT: 14.49 min Scan# 2142

Delta R.T. 0.03 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

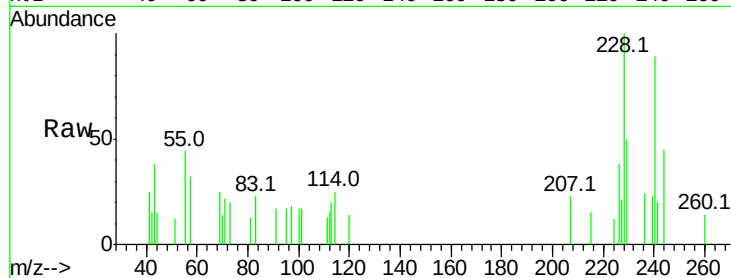
Tot Ion:228 Resp: 7105

Ion Ratio Lower Upper

228 100

226 38.3 22.6 33.8#

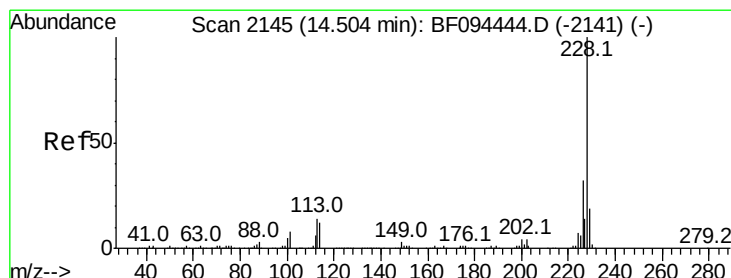
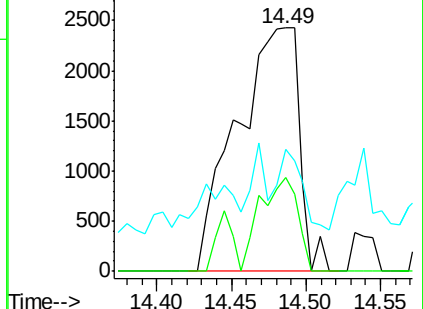
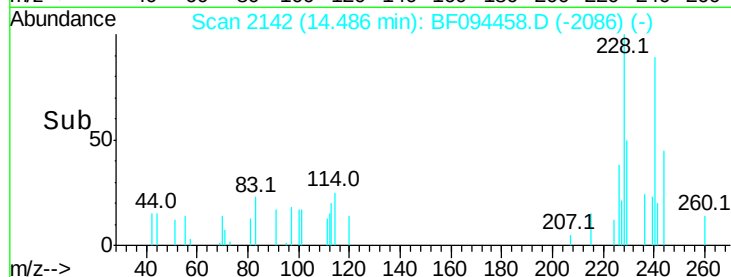
229 50.1 16.3 24.5#



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: 0.32 ng

RT: 14.49 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

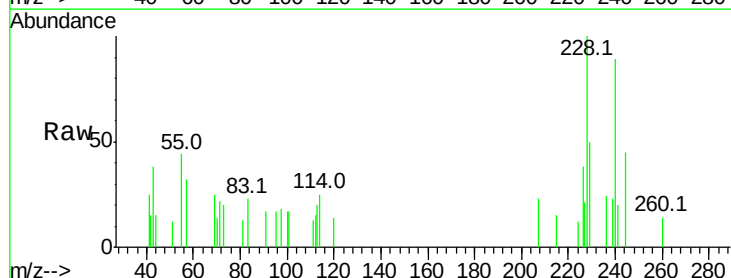
Tgt Ion:228 Resp: 7105

Ion Ratio Lower Upper

228 100

226 38.3 24.9 37.3#

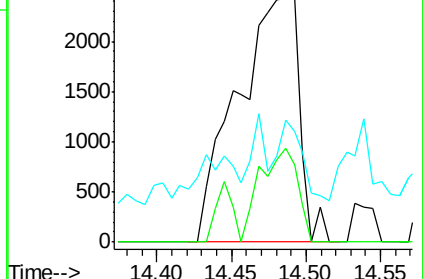
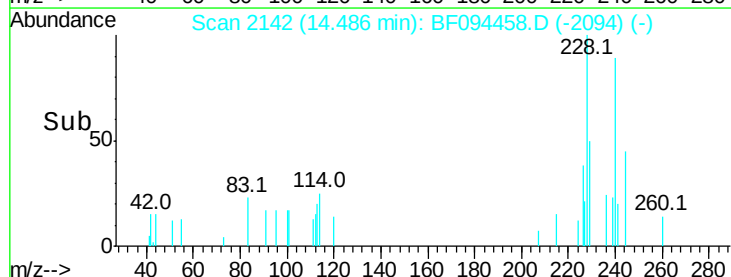
229 50.1 15.8 23.6#

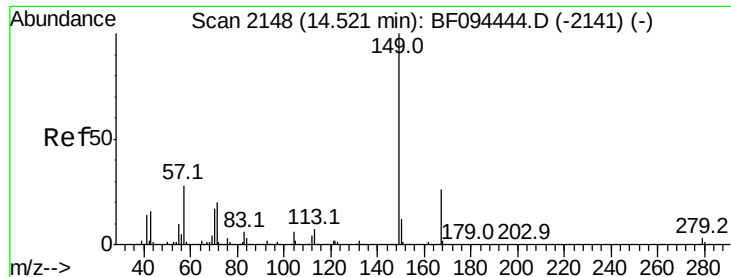


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 14.52 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

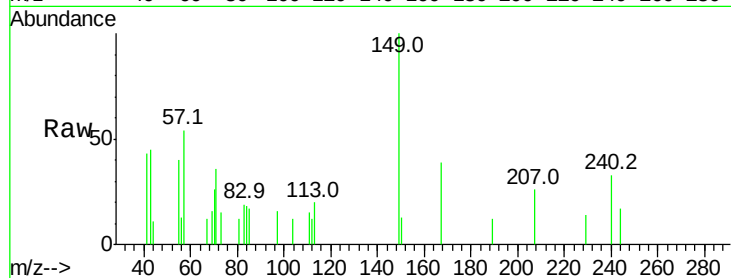
Tot Ion:149 Resp: 3265

Ion Ratio Lower Upper

149 100

167 39.1 21.0 31.4#

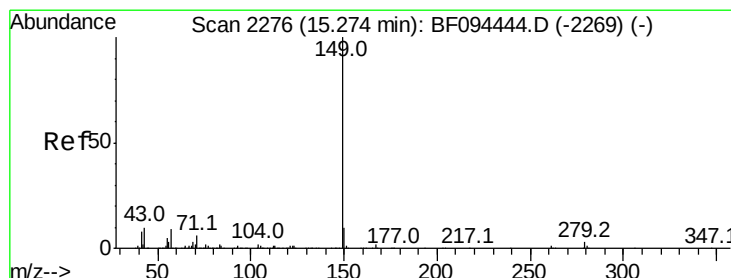
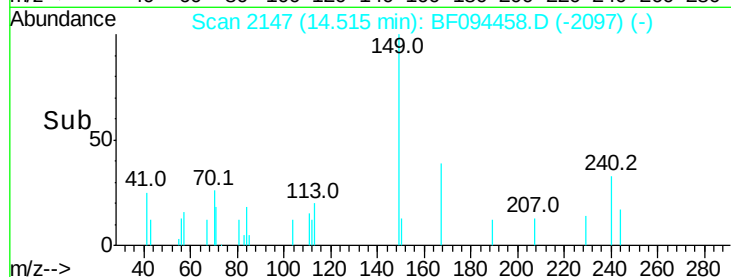
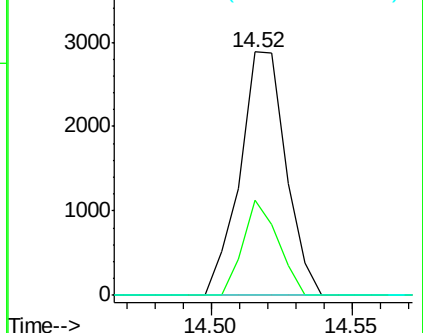
279 0.0 1.9 2.9#



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: 0.00 ng

RT: 15.27 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

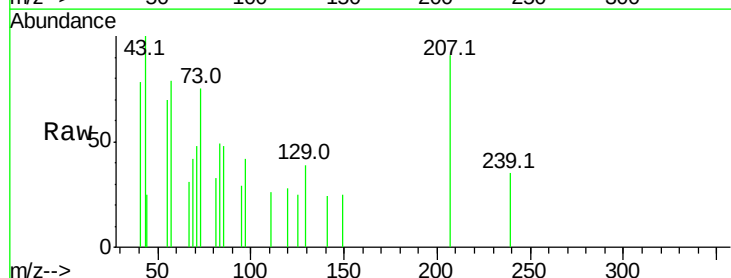
Tgt Ion:149 Resp: 111

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

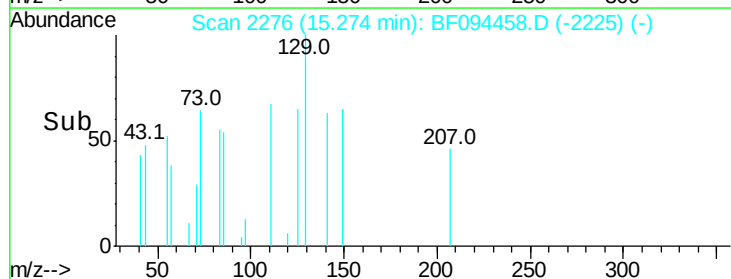
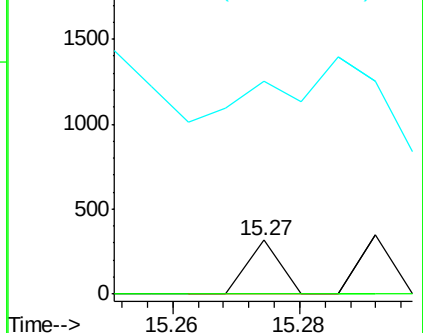
43 0.0 8.5 12.7#

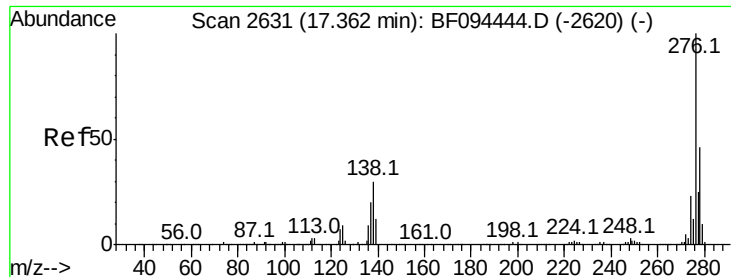


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.01 ng

RT: 17.35 min Scan# 2629

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

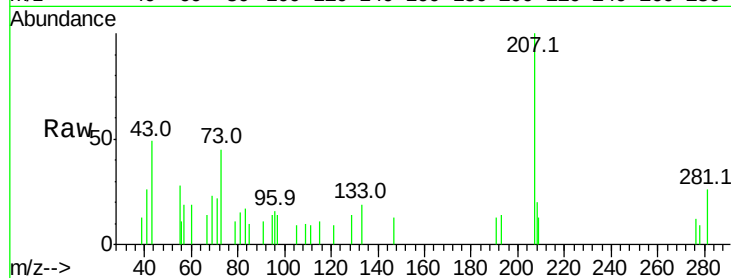
Tot Ion:276 Resp: 260

Ion Ratio Lower Upper

276 100

138 0.0 27.8 41.6#

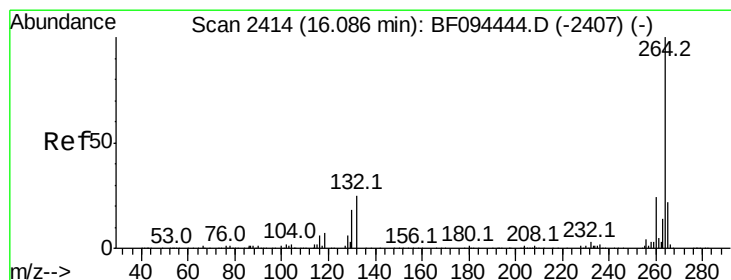
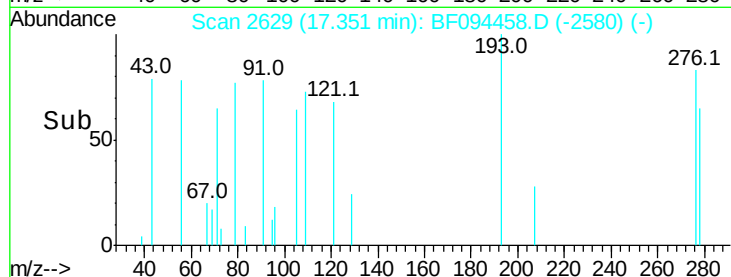
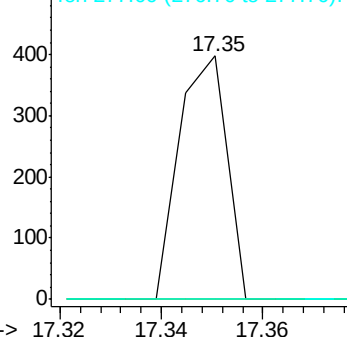
277 0.0 20.2 30.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

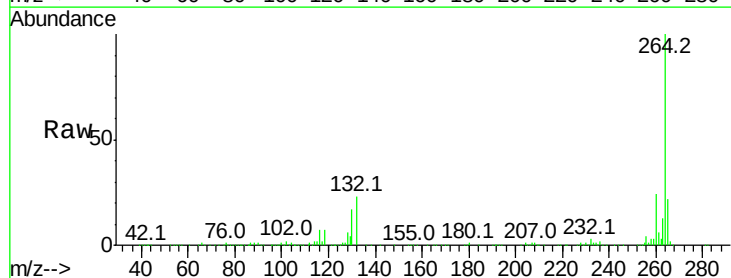
Tgt Ion:264 Resp: 286413

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

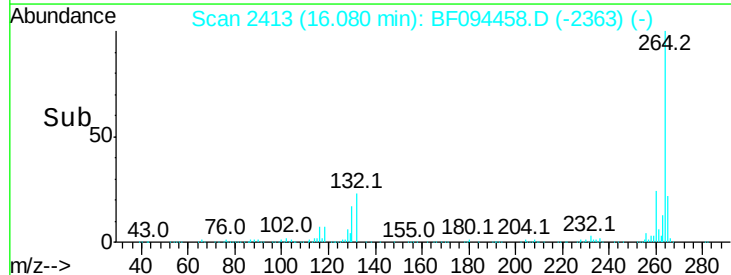
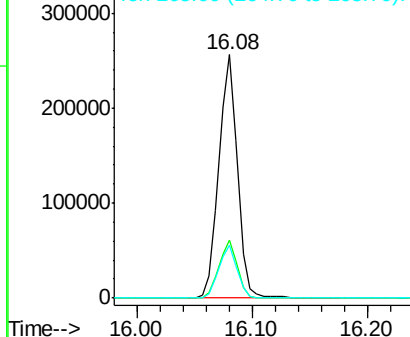
265 21.6 17.2 25.8

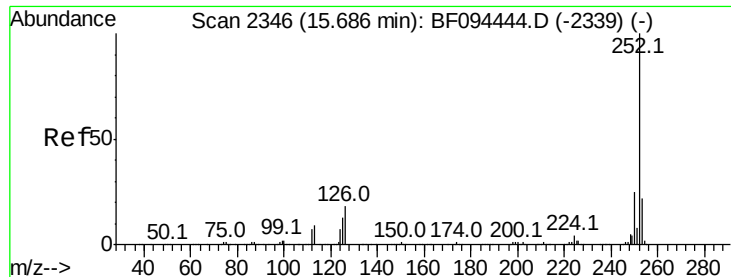


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.13 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

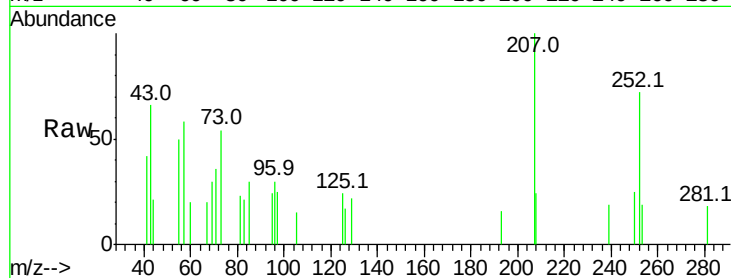
Tot Ion:252 Resp: 2212

Ion Ratio Lower Upper

252 100

253 26.4 18.1 27.1

125 34.2 9.8 14.8#

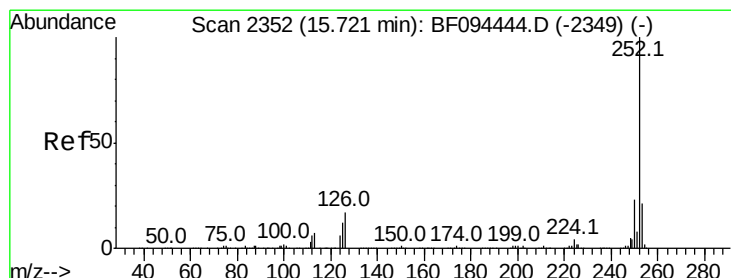
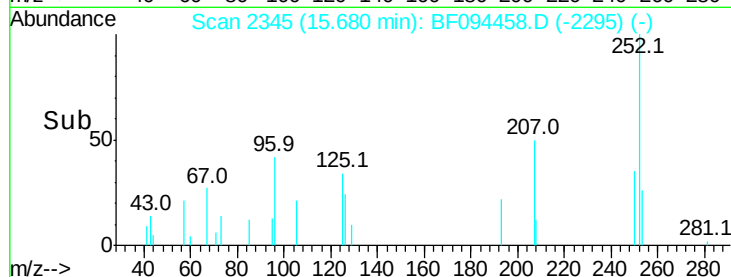
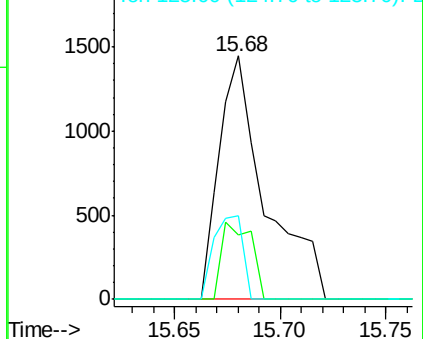


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.13 ng

RT: 15.68 min Scan# 2345

Delta R.T. -0.04 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

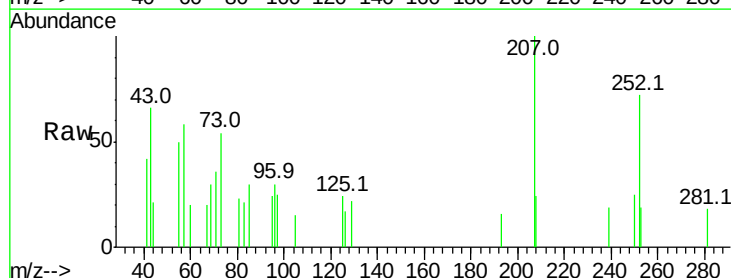
Tgt Ion:252 Resp: 2212

Ion Ratio Lower Upper

252 100

253 26.4 18.4 27.6

125 34.2 13.1 19.7#

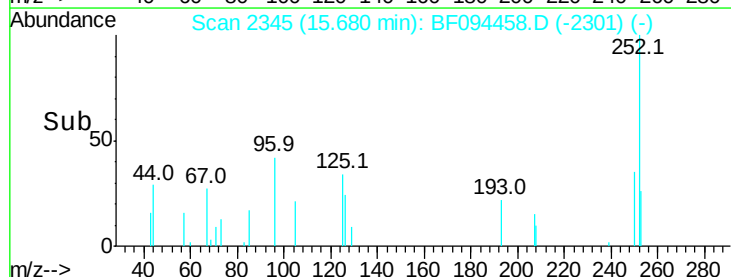
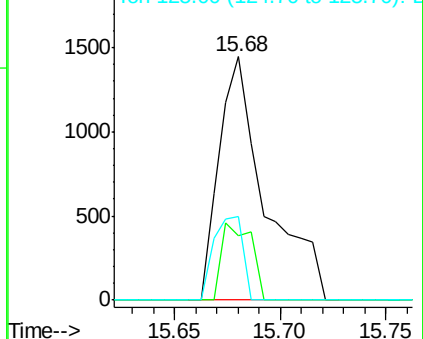


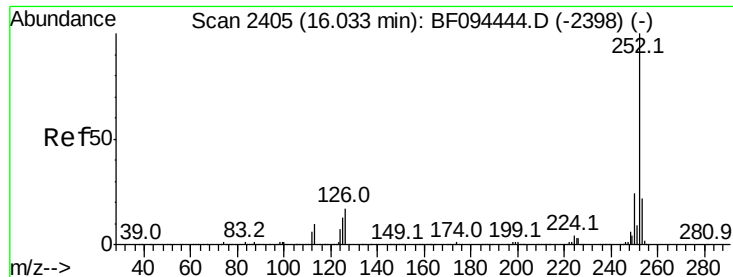
Abundance

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

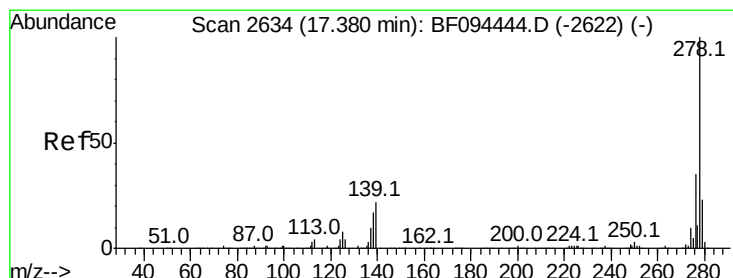
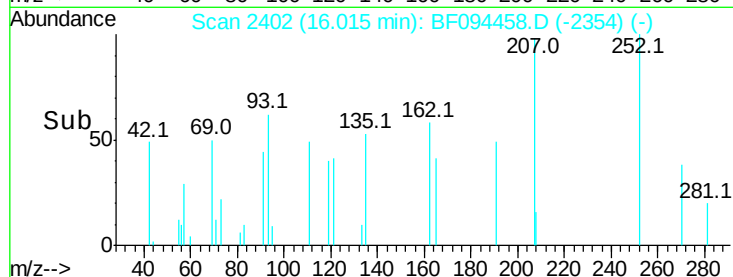
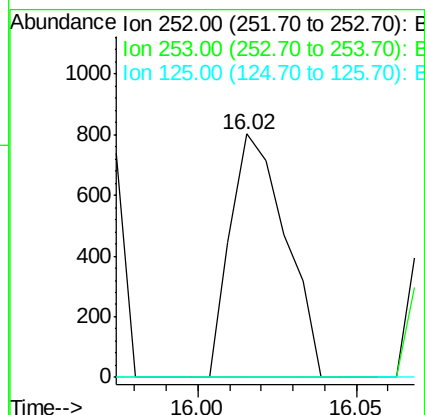
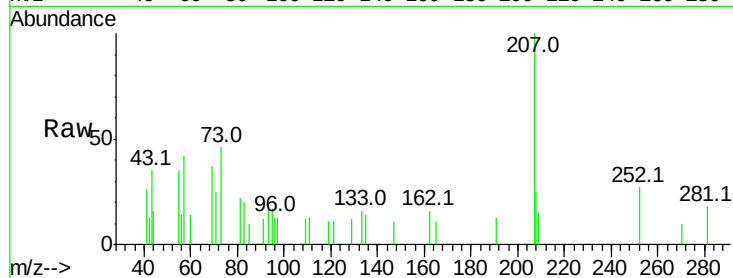




#89
Benzo(a)pyrene
Concen: 0.06 ng
RT: 16.02 min Scan# 2402
Delta R.T. -0.02 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

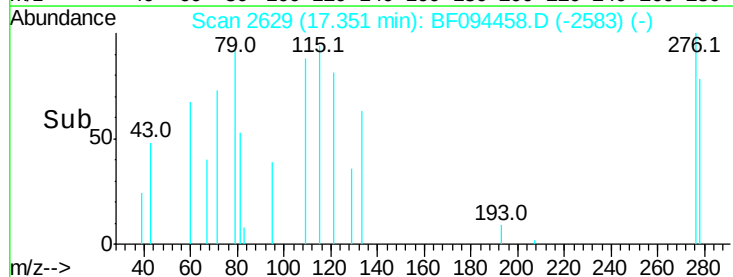
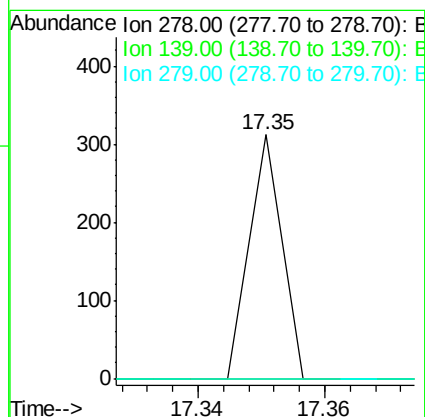
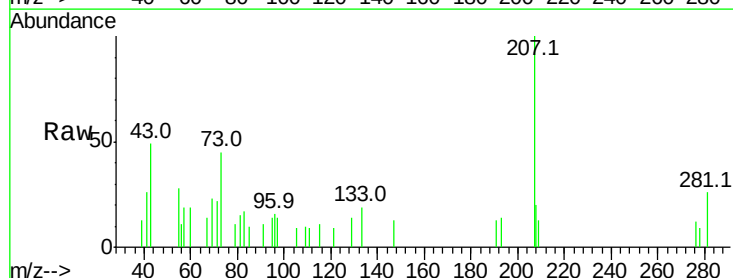
Instrument :
BNA_F
ClientSampleId :

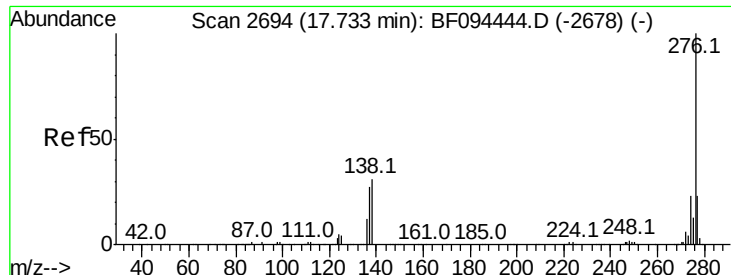
Tot Ion:252 Resp: 971
Ion Ratio Lower Upper
252 100
253 0.0 17.5 26.3#
125 0.0 11.0 16.4#



#90
Dibenzo(a,h)anthracene
Concen: 0.01 ng
RT: 17.35 min Scan# 2629
Delta R.T. -0.03 min
Lab File: BF094458.D
Acq: 17 Apr 2017 19:18

Tgt Ion:278 Resp: 110
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8#
279 0.0 19.3 28.9#





#91

Benzo(a,h,i)perylene

Concen: 0.02 ng

RT: 17.72 min Scan# 2691

Delta R.T. -0.02 min

Lab File: BF094458.D

Acq: 17 Apr 2017 19:18

Instrument :

BNA_F

ClientSampleId :

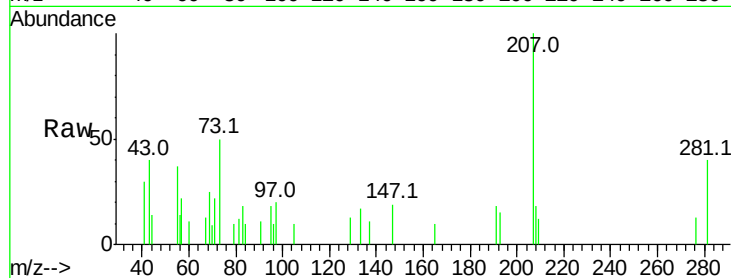
Tot Ion: 276 Resp: 274

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 0.0 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

