

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094454.D
 Acq On : 17 Apr 2017 17:29
 Operator : SJ/MA
 Sample : I2687-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:58:09 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	145375	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	593176	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	277571	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	491648	20.00	ng	0.00
75) Chrysene-d12	14.46	240	410998	20.00	ng	0.00
86) Perylene-d12	16.08	264	285100	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	937390	106.98	ng	0.00
7) Phenol-d6	5.39	99	1201697	116.33	ng	0.00
23) Nitrobenzene-d5	6.41	82	722385	75.20	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	208920	96.23	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1278970	67.80	ng	0.00
78) Terphenyl-d14	13.20	244	1016876	66.13	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.20	88	227	0.04	ng	# 1
4) n-Nitrosodimethylamine	2.79	42	421	0.09	ng	# 1
6) Aniline	5.40	93	779	0.06	ng	# 1
8) 2-Chlorophenol	5.52	128	807	0.08	ng	# 1
9) Benzaldehyde	5.51	77	20405	2.60	ng	85
10) Phenol	5.40	94	38089	3.00	ng	89
11) bis(2-Chloroethyl)ether	5.51	93	1064	0.11	ng	# 1
15) Benzyl Alcohol	5.93	79	11997	1.57	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	5.97	45	1920	0.16	ng	70
17) 2-Methylphenol	5.94	107	144	0.02	ng	# 1
18) Hexachloroethane	6.37	117	442	0.12	ng	# 34
19) n-Nitroso-di-n-propylamine	6.41	70	95950	14.02	ng	# 78
22) Acetophenone	6.23	105	482	0.03	ng	# 55
24) Nitrobenzene	6.41	77	2414	0.24	ng	# 38
25) Isophorone	6.75	82	586	0.03	ng	# 67
31) Naphthalene	7.28	128	2644	0.09	ng	# 86
33) 4-Chloroaniline	7.28	127	232	0.02	ng	# 44
35) Caprolactam	7.82	113	619	0.24	ng	# 32
36) 4-Chloro-3-methylphenol	7.97	107	395	0.05	ng	# 14
37) 2-Methylnaphthalene	8.13	142	28700	1.47	ng	98
45) 1,1'-Biphenyl	8.58	154	2624	0.12	ng	# 1
46) 2-Chloronaphthalene	8.78	162	707	0.04	ng	# 40
47) 2-Nitroaniline	8.90	65	151	0.03	ng	# 7
48) Acenaphthylene	9.23	152	800	0.03	ng	# 10
49) Dimethylphthalate	9.08	163	536983	25.96	ng	100
50) 2,6-Dinitrotoluene	9.08	165	6338	1.37	ng	# 2
51) Acenaphthene	9.43	154	977	0.06	ng	# 85
54) Dibenzofuran	9.65	168	1808	0.07	ng	# 91
55) 4-Nitrophenol	9.59	139	146	0.04	ng	# 1
56) 2,4-Dinitrotoluene	9.39	165	36744	6.45	ng	# 34
57) Fluorene	10.07	166	3100	0.16	ng	# 89
59) Diethylphthalate	9.95	149	3154	0.16	ng	# 84
60) 4-Chlorophenyl-phenylether	9.89	204	107	0.01	ng	# 21
61) 4-Nitroaniline	10.25	138	131	0.02	ng	# 25

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

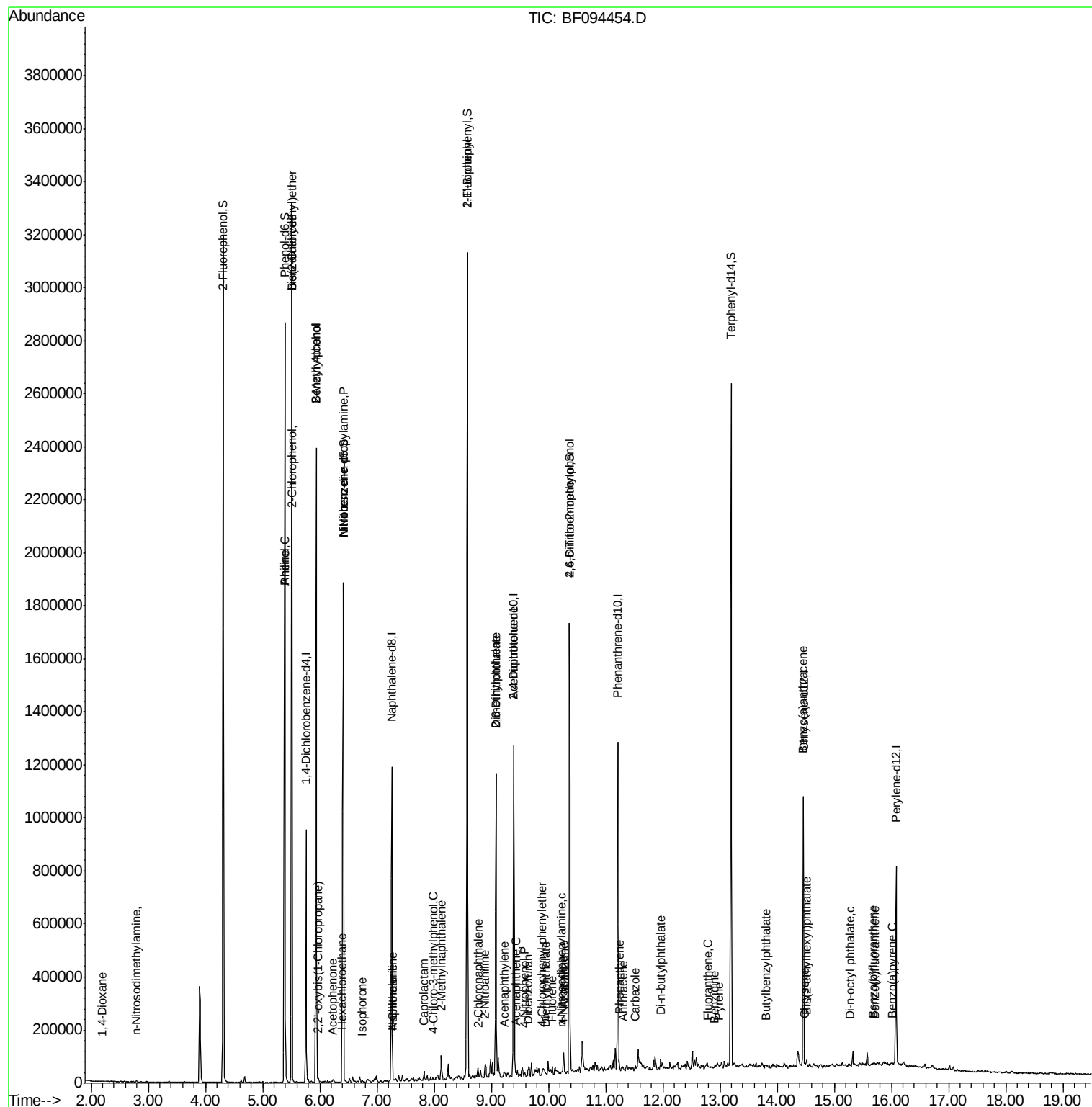
62) Azobenzene	10.27	77	357	0.02	nq	# 1
64) 4,6-Dinitro-2-methylphenol	10.37	198	195	0.06	nq	# 1
65) n-Nitrosodiphenylamine	10.23	169	2527	0.15	nq	# 52
70) Phenanthrene	11.24	178	13834	0.50	nq	# 94
71) Anthracene	11.30	178	2180	0.08	nq	# 29
72) Carbazole	11.51	167	975	0.04	nq	# 28
73) Di-n-butylphthalate	11.96	149	7297	0.25	nq	# 88
74) Fluoranthene	12.79	202	657	0.02	nq	# 62
76) Benzidine	12.89	184	244	0.01	nq	# 62
77) Pvrene	12.97	202	4938	0.17	nq	# 88
79) Butylbenzylphthalate	13.80	149	1967	0.16	nq	# 41
80) Benzo(a)anthracene	14.45	228	4012	0.17	nq	# 79
82) Chrysene	14.49	228	1870	0.09	nq	# 76
83) Bis(2-ethylhexyl)phthalate	14.52	149	11500	0.68	nq	# 80
84) Di-n-octyl phthalate	15.27	149	754	0.03	nq	# 1
87) Benzo(b)fluoranthene	15.68	252	505	0.03	nq	# 1
88) Benzo(k)fluoranthene	15.72	252	111	0.01	nq	# 1
89) Benzo(a)pyrene	16.02	252	510	0.03	nq	# 1

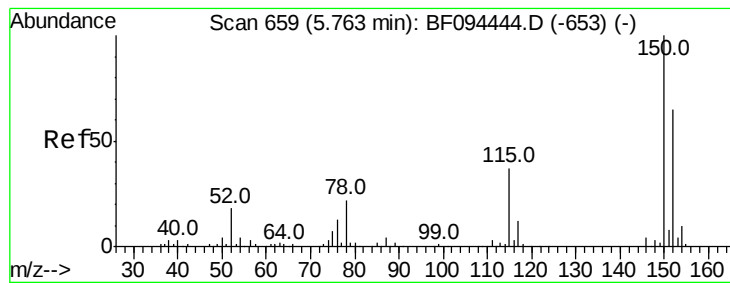
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

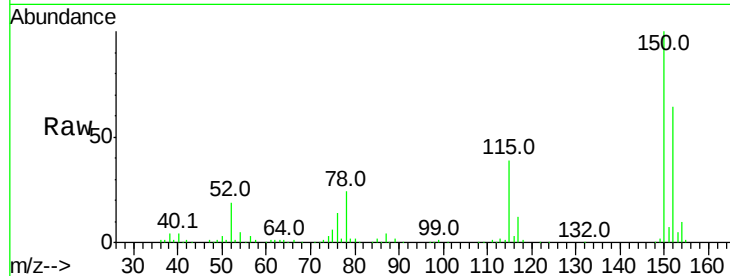
Tot Ion:152 Resp: 145375

Ion Ratio Lower Upper

152 100

150 157.3 126.2 189.2

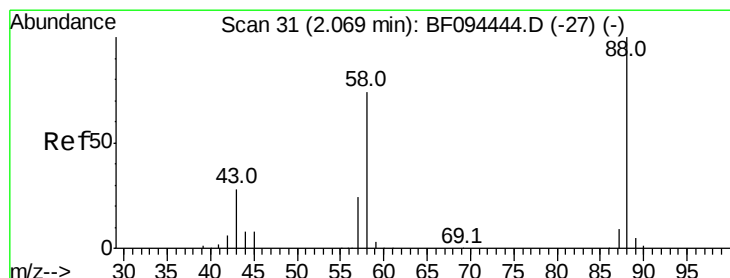
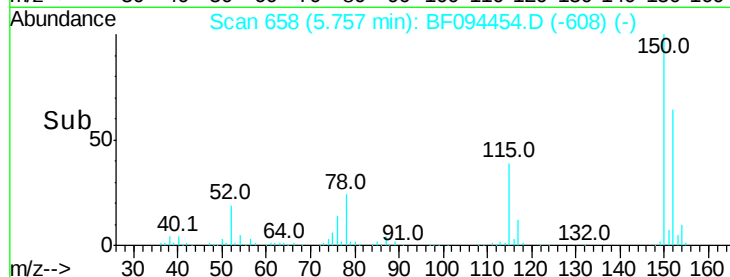
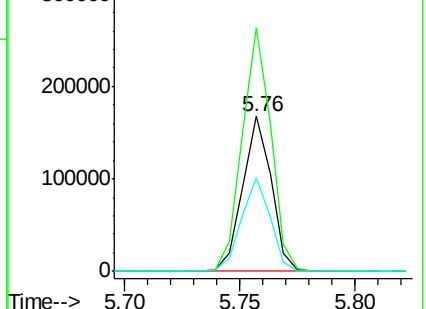
115 60.6 52.2 78.2



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



#2

1,4-Dioxane

Concen: 0.04 ng

RT: 2.20 min Scan# 53

Delta R.T. 0.13 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

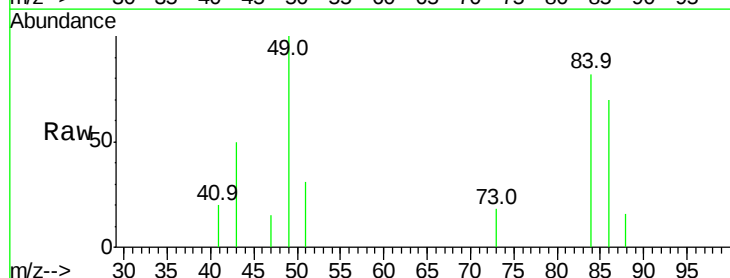
Tgt Ion: 88 Resp: 227

Ion Ratio Lower Upper

88 100

58 47.6 61.4 92.0#

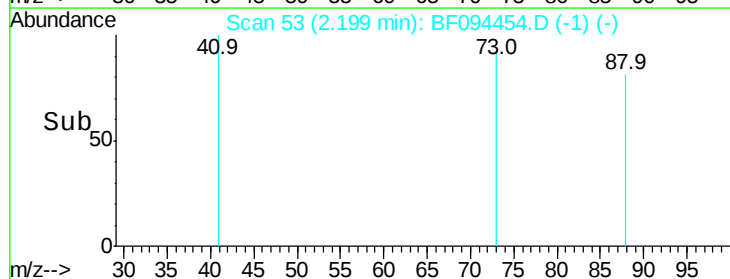
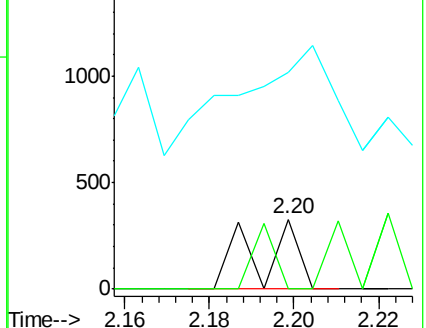
43 351.1 23.4 35.0#

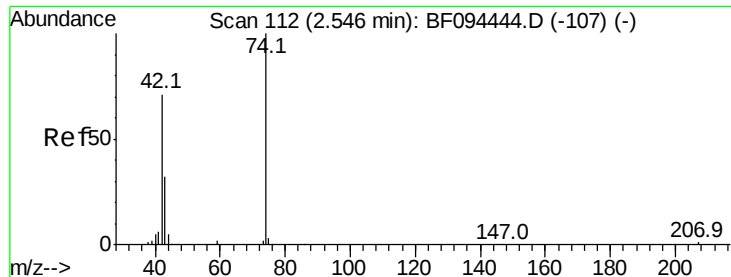


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 2.79 min Scan# 153

Delta R.T. 0.24 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

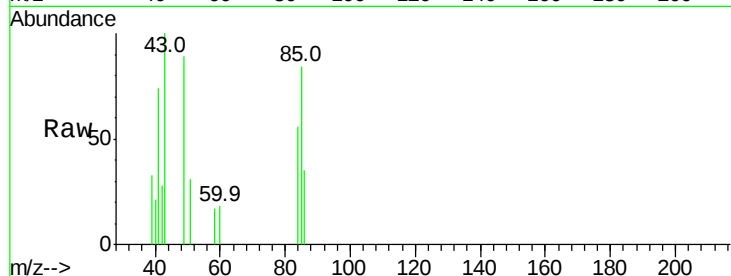
Tot Ion: 42 Resp: 421

Ion Ratio Lower Upper

42 100

74 0.0 103.9 155.9#

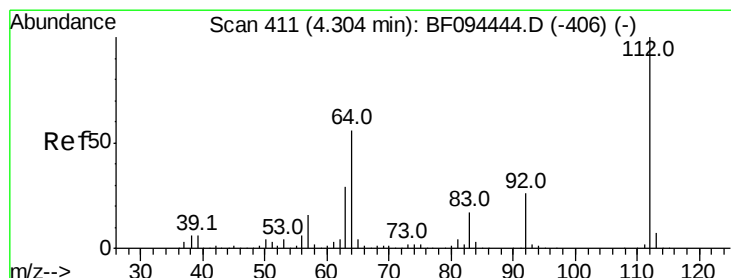
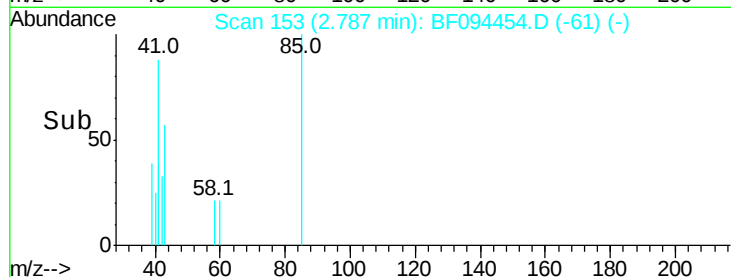
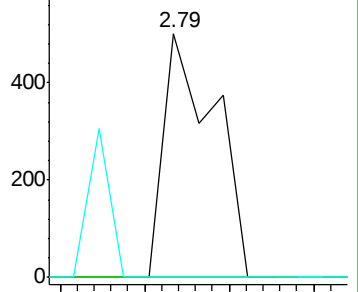
44 0.0 5.7 8.5#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 106.98 ng

RT: 4.31 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

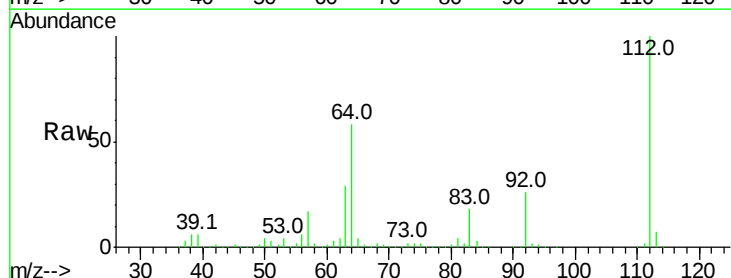
Tgt Ion: 112 Resp: 937390

Ion Ratio Lower Upper

112 100

64 58.0 46.0 69.0

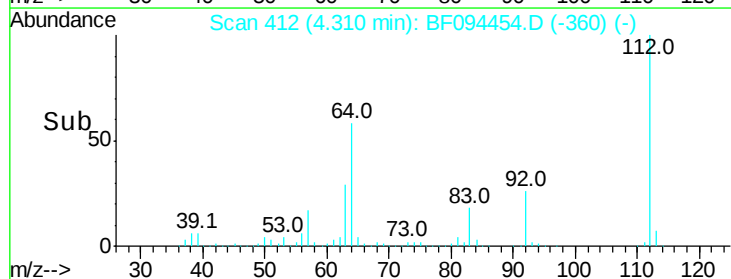
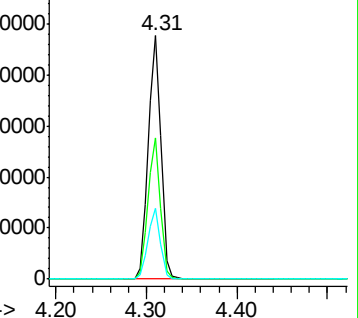
63 29.0 23.4 35.0

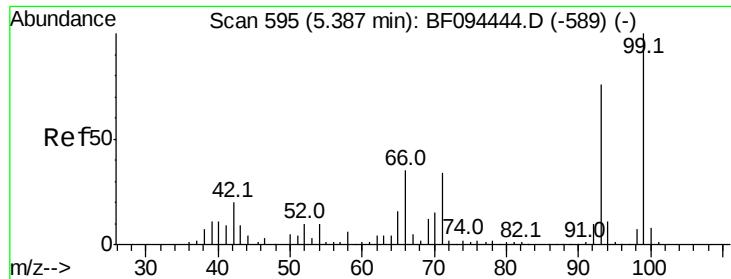


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.06 ng

RT: 5.40 min Scan# 597

Delta R.T. 0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

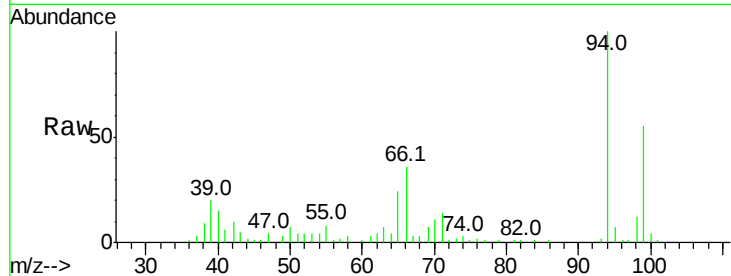
Tot Ion: 93 Resp: 779

Ion Ratio Lower Upper

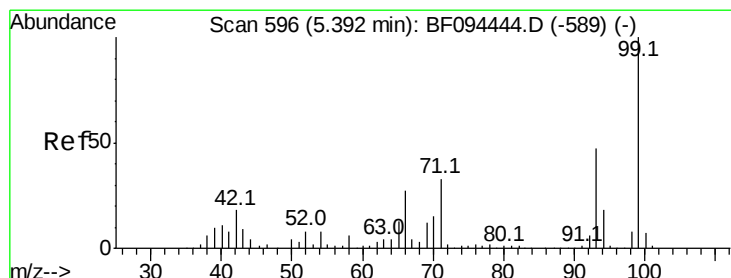
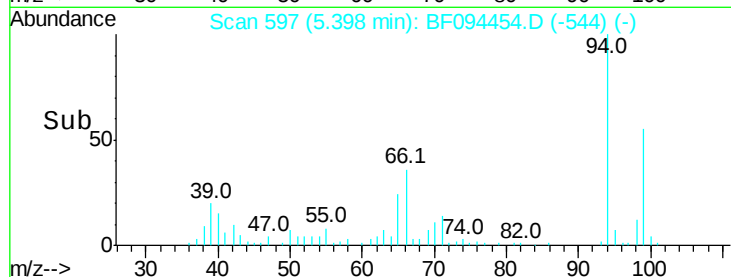
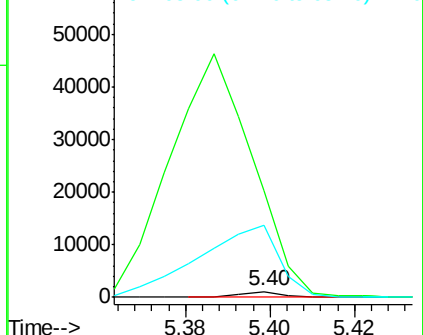
93 100

66 1770.9 32.9 49.3#

65 1184.7 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: 116.33 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

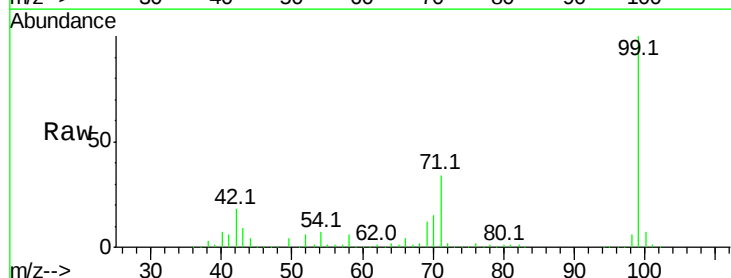
Tgt Ion: 99 Resp: 1201697

Ion Ratio Lower Upper

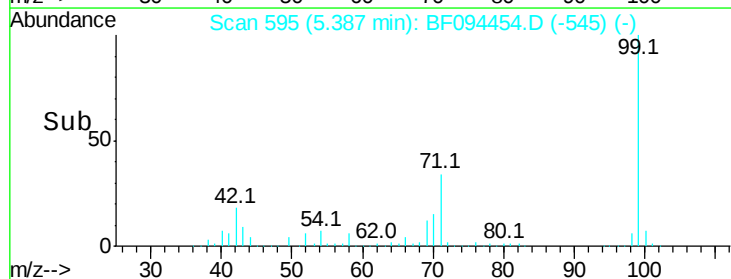
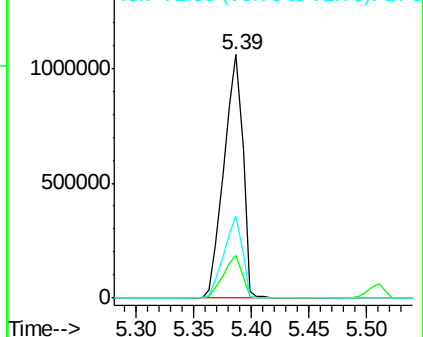
99 100

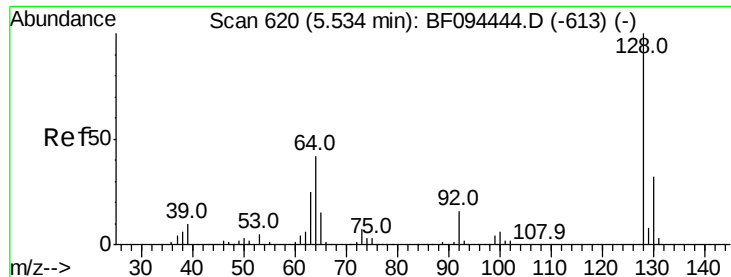
42 17.5 13.5 20.3

71 33.8 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: 0.08 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF094454.D

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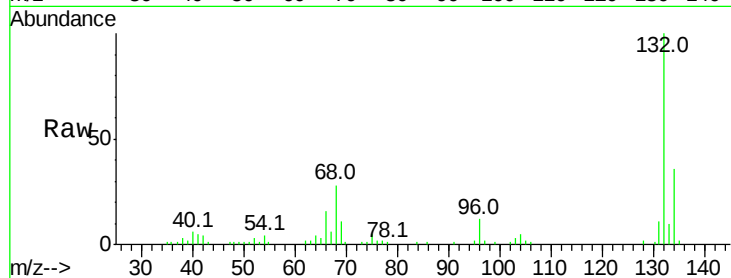
Tot Ion:128 Resp: 807

Ion Ratio Lower Upper

128 100

130 44.0 12.9 52.9

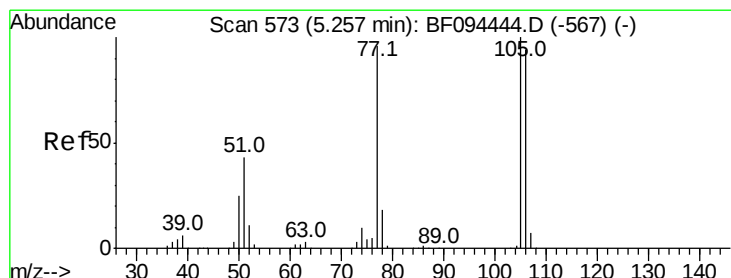
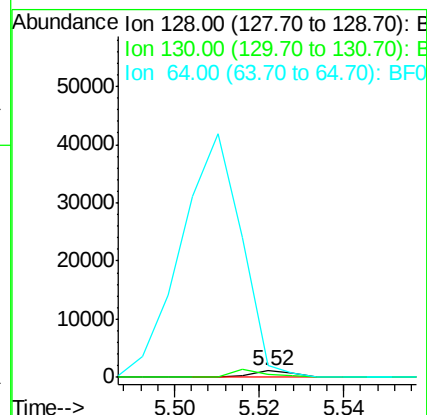
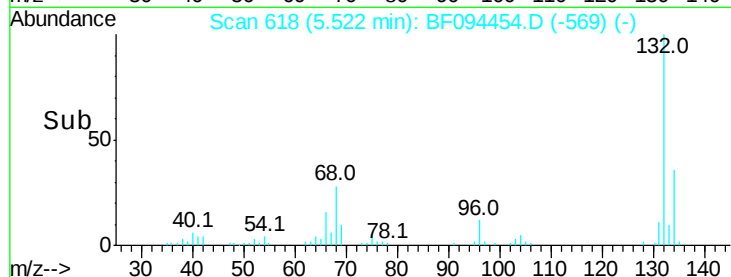
64 189.3 28.4 68.4#



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: 2.60 ng

RT: 5.51 min Scan# 616

Delta R.T. 0.25 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

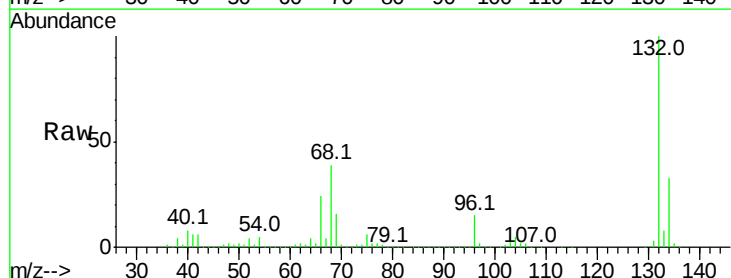
Tgt Ion: 77 Resp: 20405

Ion Ratio Lower Upper

77 100

105 85.4 83.8 123.8

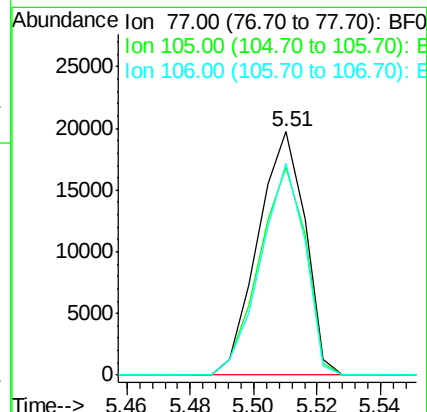
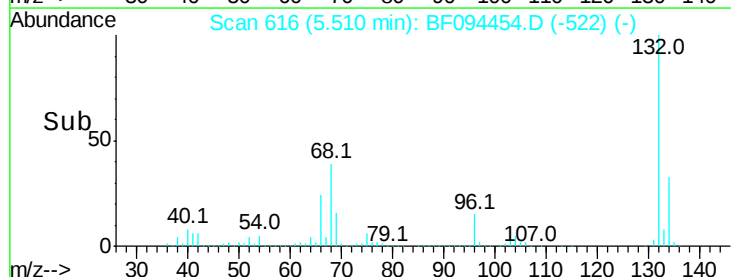
106 86.9 79.1 119.1

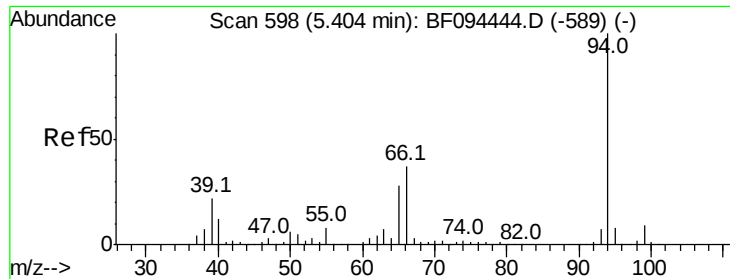


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

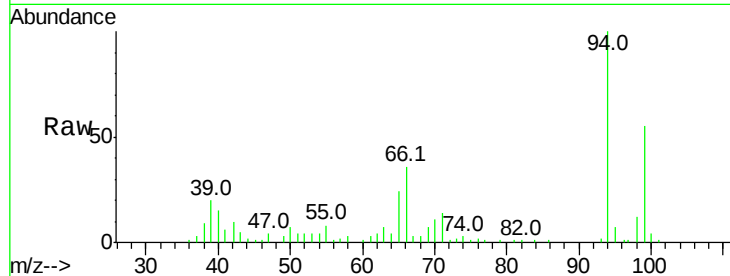




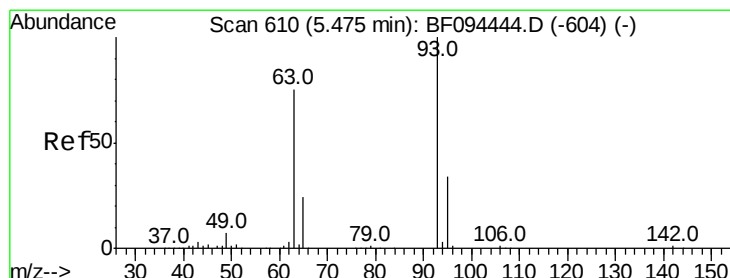
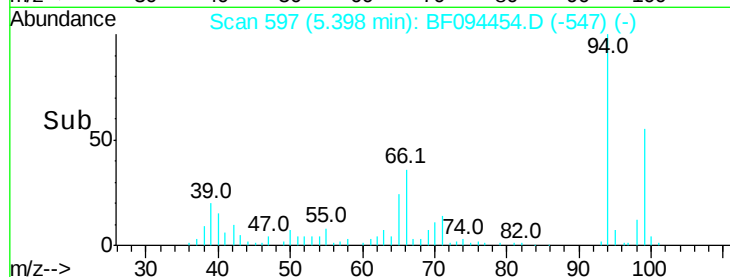
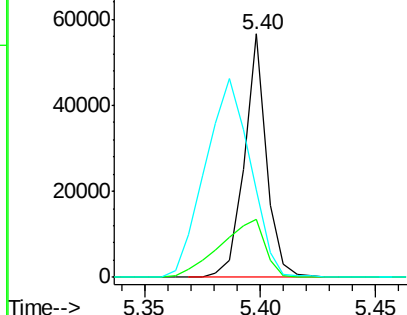
#10
Phenol
Concen: 3.00 ng
RT: 5.40 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 38089
Ion Ratio Lower Upper
94 100
65 24.0 9.9 49.9
66 35.9 23.1 63.1

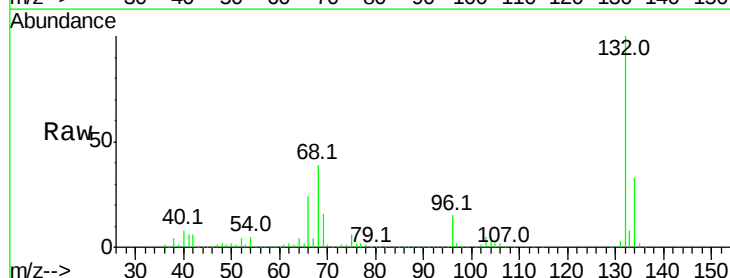


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

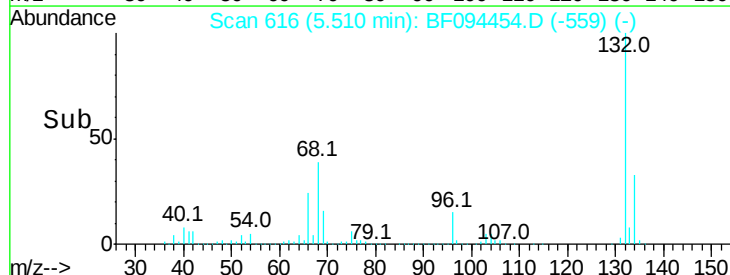
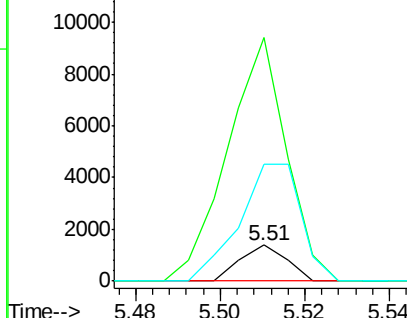


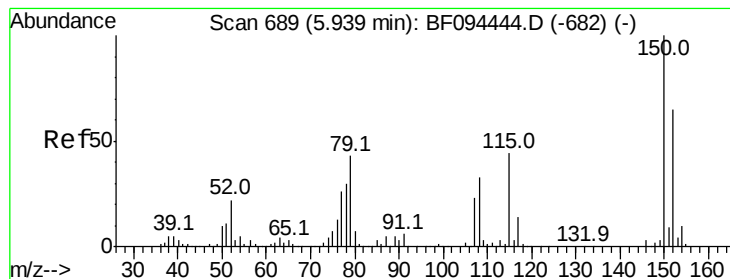
#11
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 5.51 min Scan# 616
Delta R.T. 0.04 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Tgt Ion: 93 Resp: 1064
Ion Ratio Lower Upper
93 100
63 673.4 59.2 99.2#
95 324.4 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: 1.57 ng

RT: 5.93 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

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ClientSampleId :

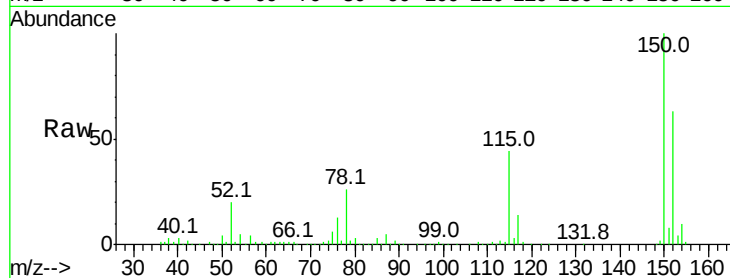
Tot Ion: 79 Resp: 11997

Ion Ratio Lower Upper

79 100

108 32.5 63.4 95.0#

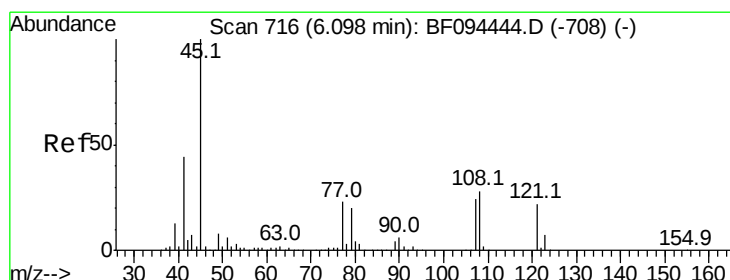
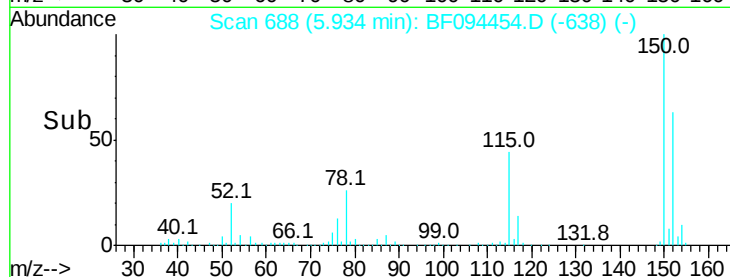
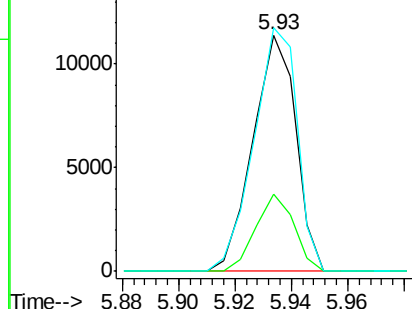
77 103.0 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.16 ng

RT: 5.97 min Scan# 694

Delta R.T. -0.13 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

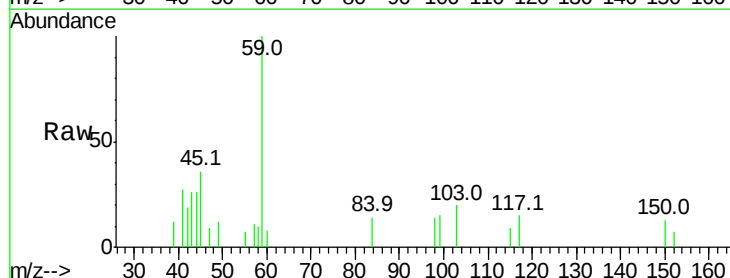
Tgt Ion: 45 Resp: 1920

Ion Ratio Lower Upper

45 100

77 0.0 0.0 33.2

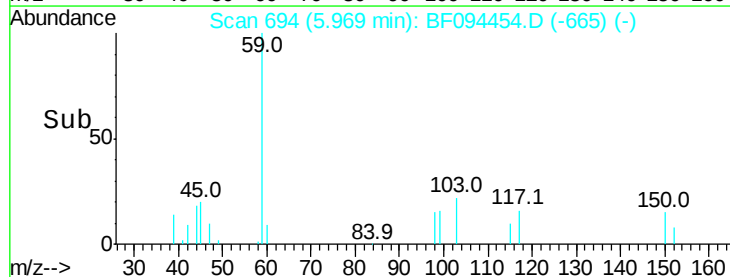
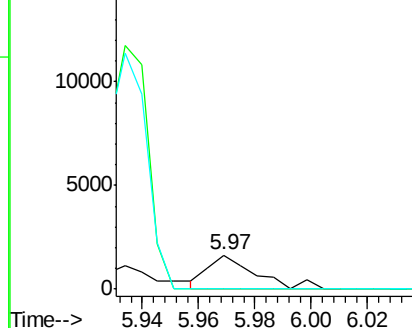
79 0.0 0.0 30.0

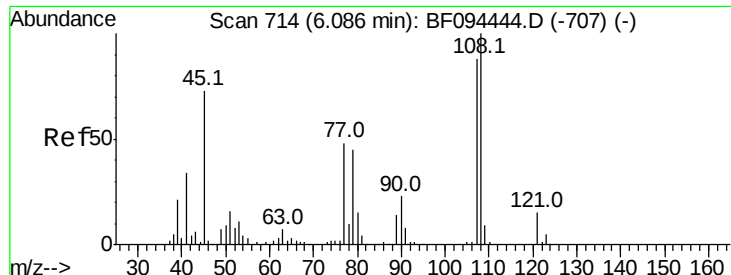


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 0.02 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.15 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 144

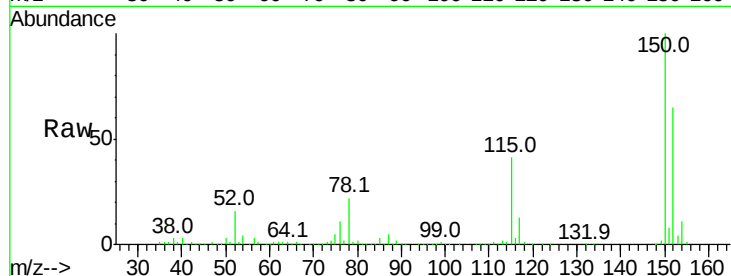
Ion Ratio Lower Upper

107 100

108 672.2 93.4 140.0#

77 2664.4 35.8 53.6#

79 2304.2 34.8 52.2#

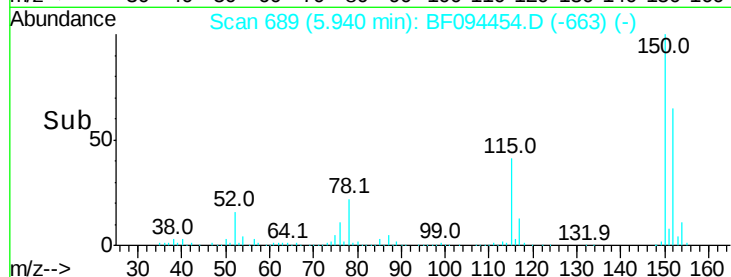


Abundance Ion 107.00 (106.70 to 107.70): E

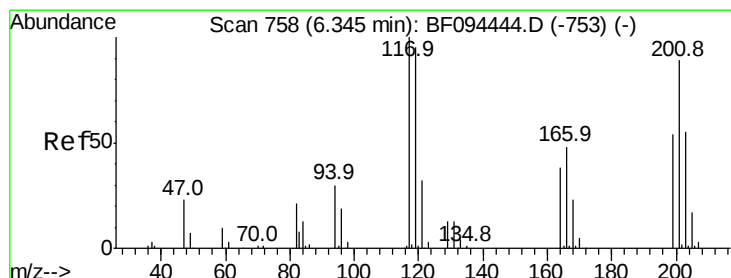
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 0.12 ng

RT: 6.37 min Scan# 763

Delta R.T. 0.03 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

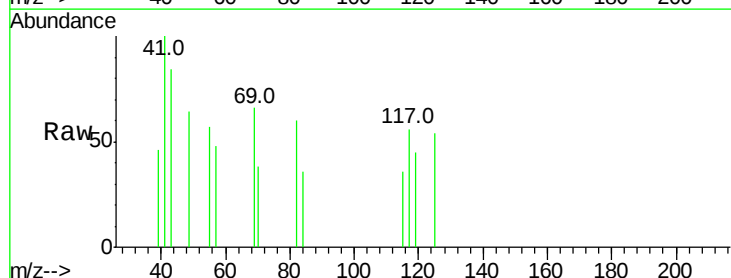
Tgt Ion:117 Resp: 442

Ion Ratio Lower Upper

117 100

119 81.1 77.4 116.0

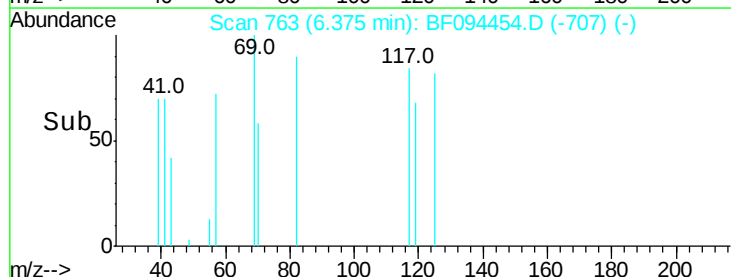
201 0.0 94.6 141.8#



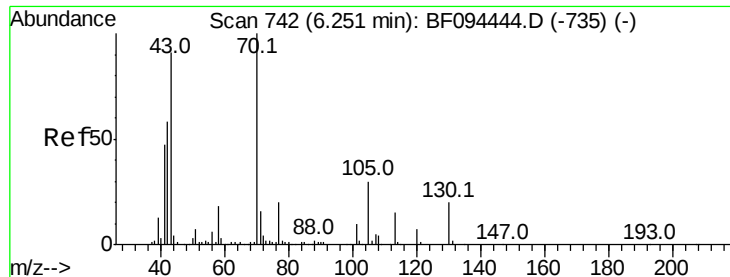
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



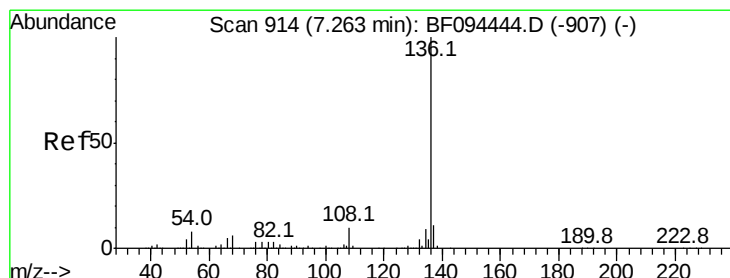
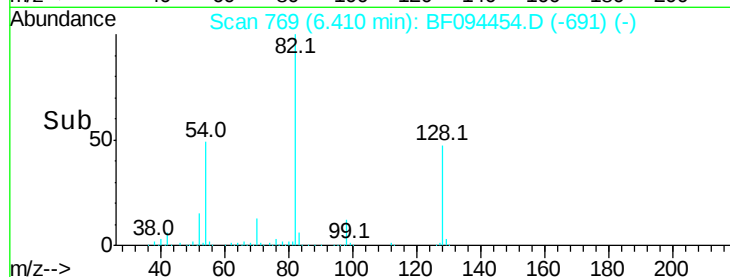
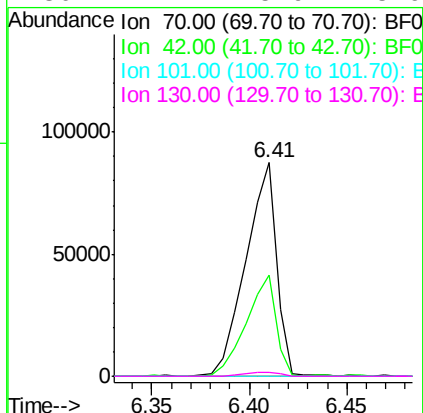
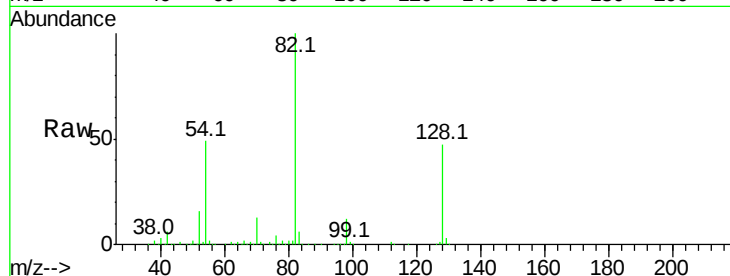
Time-->



#19
 n-Nitroso-di-n-propylamine
 Concen: 14.02 ng
 RT: 6.41 min Scan# 769
 Delta R.T. 0.16 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

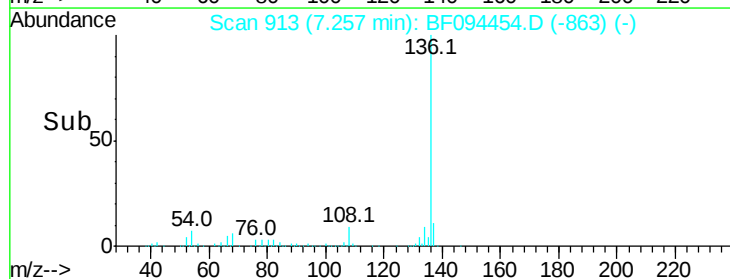
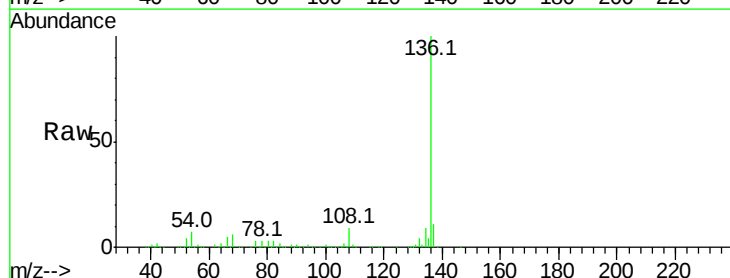
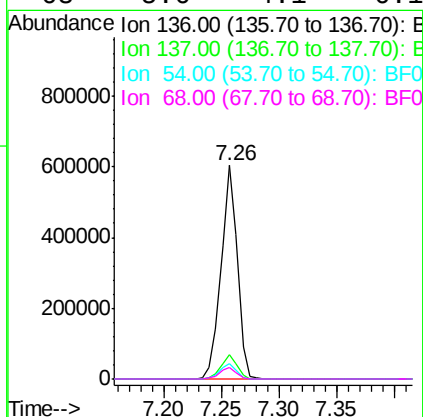
Instrument :
 BNA_F
 ClientSampleId :

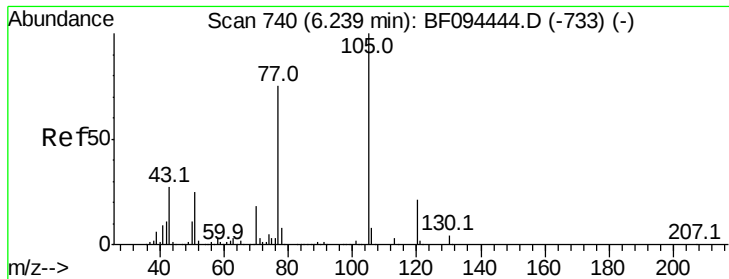
Tot Ion: 70 Resp: 95950
 Ion Ratio Lower Upper
 70 100
 42 47.3 47.2 70.8
 101 0.0 7.2 10.8#
 130 2.1 15.9 23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.26 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

Tgt Ion:136 Resp: 593176
 Ion Ratio Lower Upper
 136 100
 137 11.5 8.5 12.7
 54 7.5 4.9 7.3#
 68 5.6 4.1 6.1

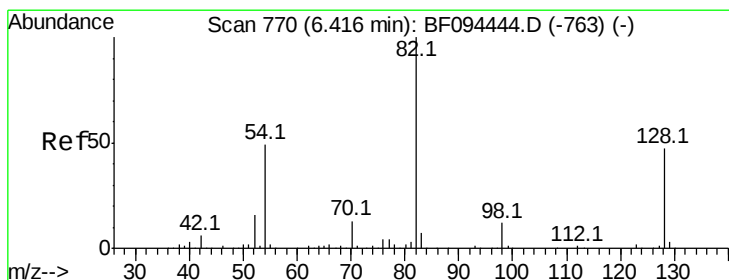
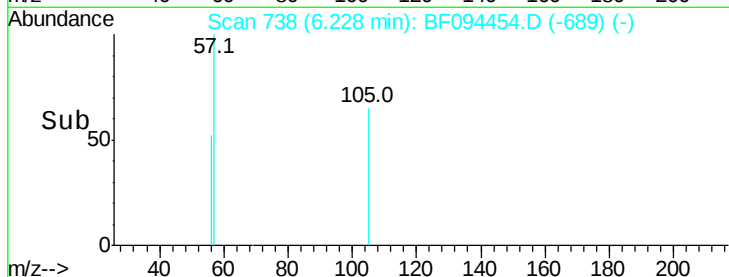
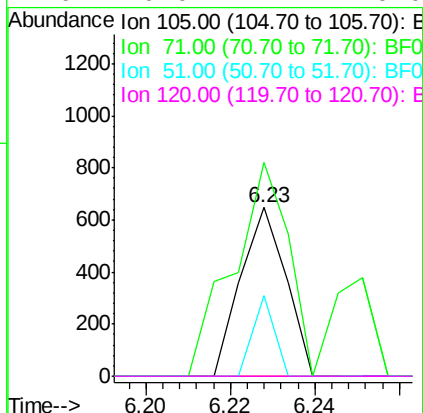
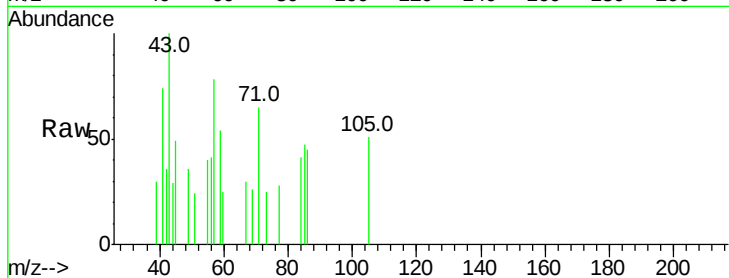




#22
Acetophenone
Concen: 0.03 ng
RT: 6.23 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

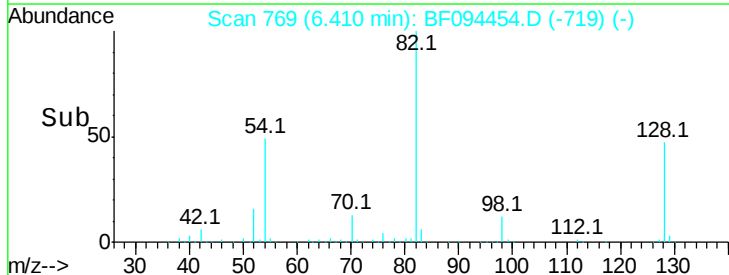
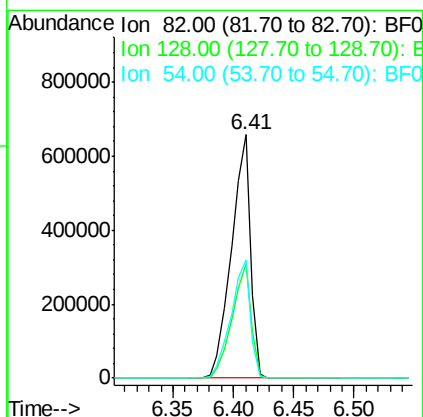
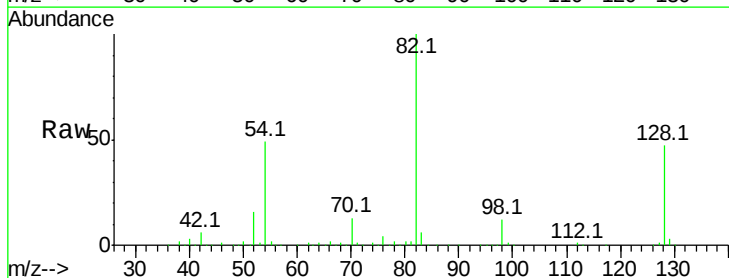
Instrument :
BNA_F
ClientSampleId :

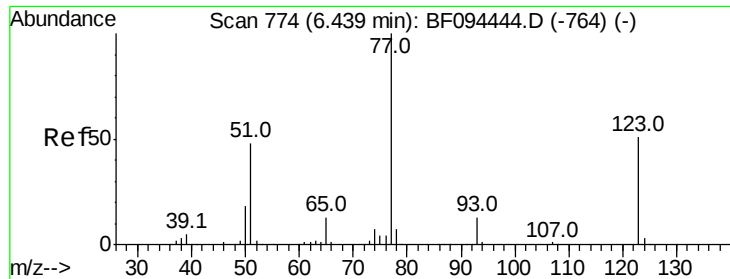
Tot Ion:105 Resp: 482
Ion Ratio Lower Upper
105 100
71 126.7 2.8 4.2#
51 47.6 30.7 46.1#
120 0.0 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 75.20 ng
RT: 6.41 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Tgt Ion: 82 Resp: 722385
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 48.7 42.2 63.2





#24

Nitrobenzene

Concen: 0.24 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.03 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampled :

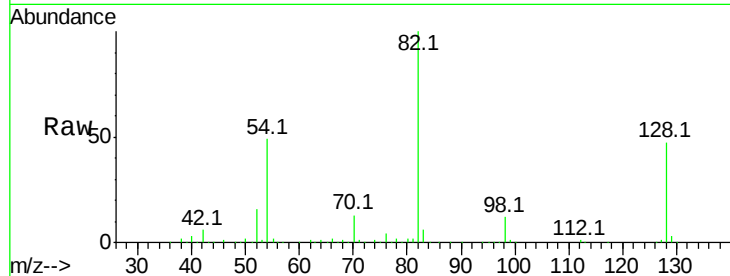
Tot Ion: 77 Resp: 2414

Ion Ratio Lower Upper

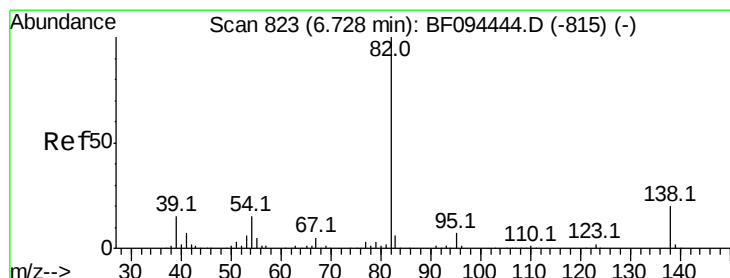
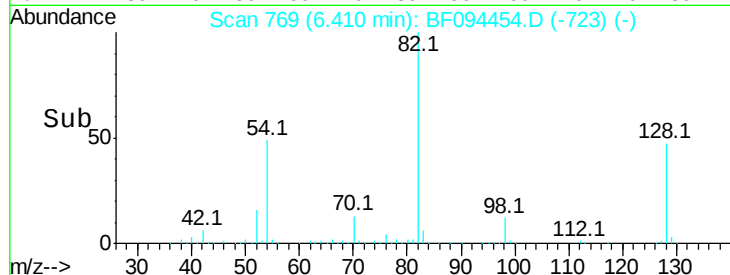
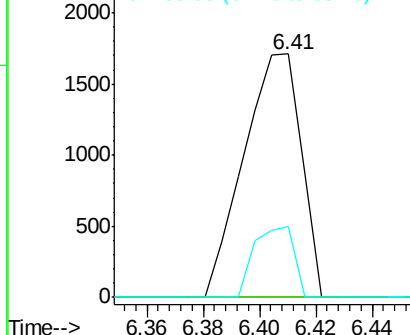
77 100

123 0.0 35.8 53.8#

65 29.3 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 0.03 ng

RT: 6.75 min Scan# 826

Delta R.T. 0.02 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

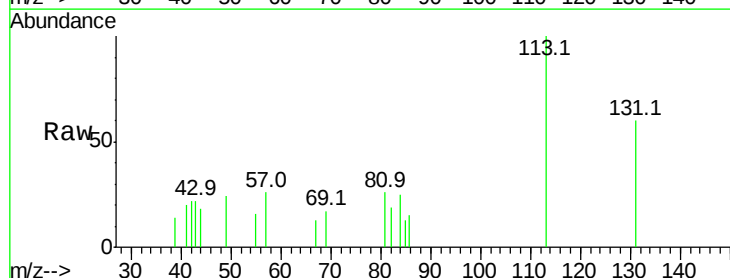
Tgt Ion: 82 Resp: 586

Ion Ratio Lower Upper

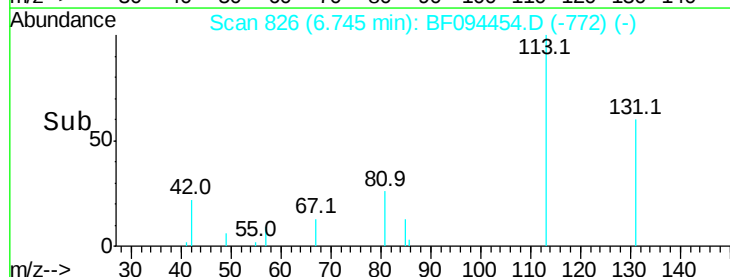
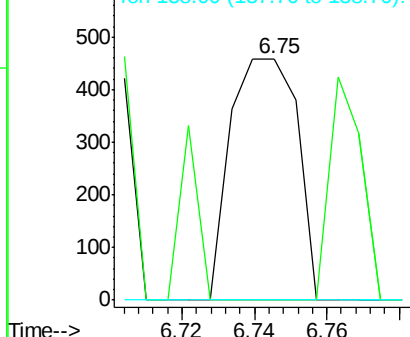
82 100

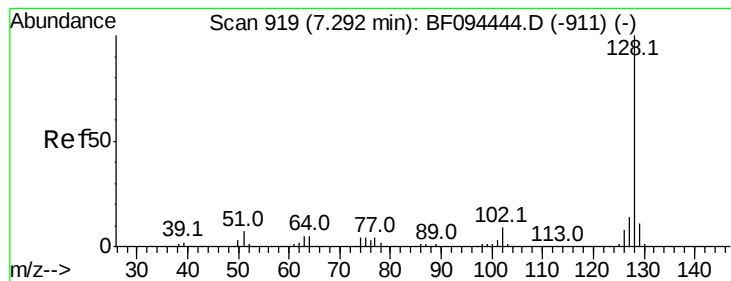
95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 0.09 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

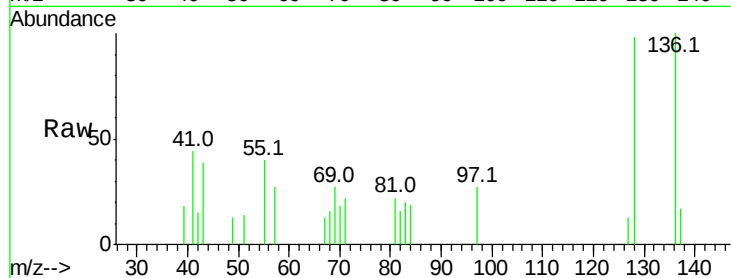
Tot Ion:128 Resp: 2644

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.6#

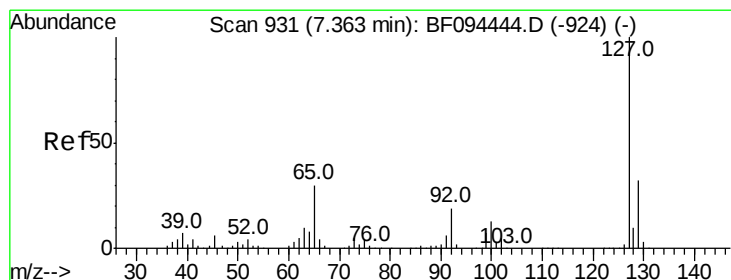
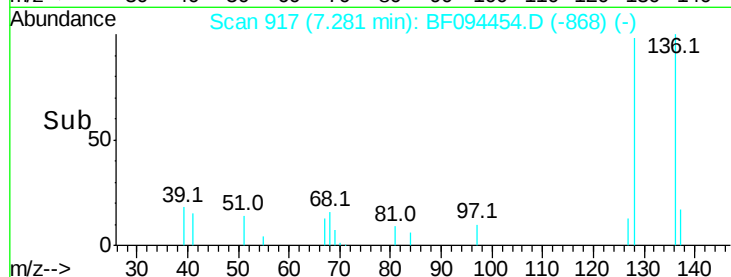
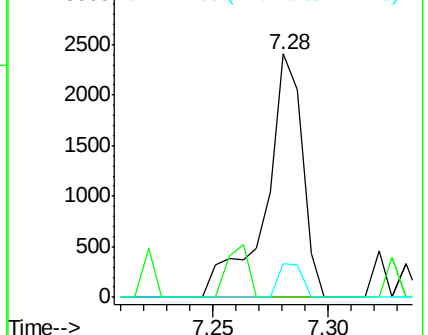
127 13.7 10.8 16.2



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: 0.02 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.08 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Tgt Ion:127 Resp: 232

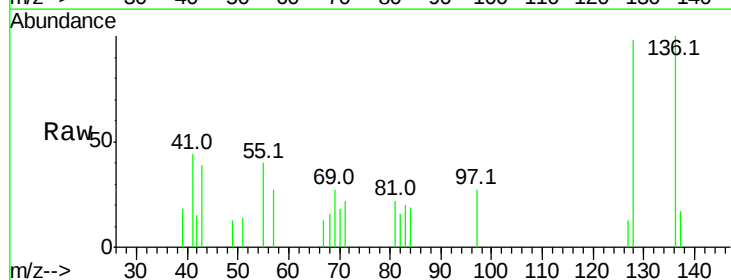
Ion Ratio Lower Upper

127 100

129 0.0 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

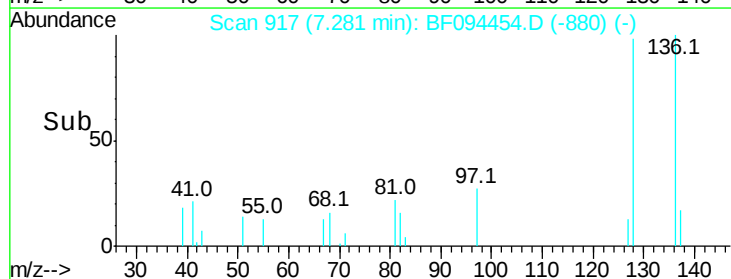
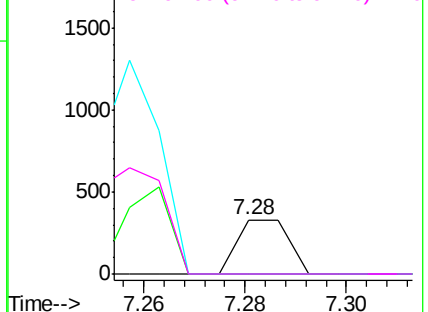


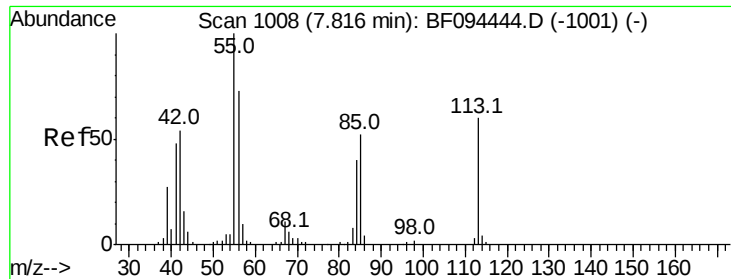
Abundance Ion 127.00 (126.70 to 127.70): E

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: 0.24 ng

RT: 7.82 min Scan# 1009

Delta R.T. 0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampled :

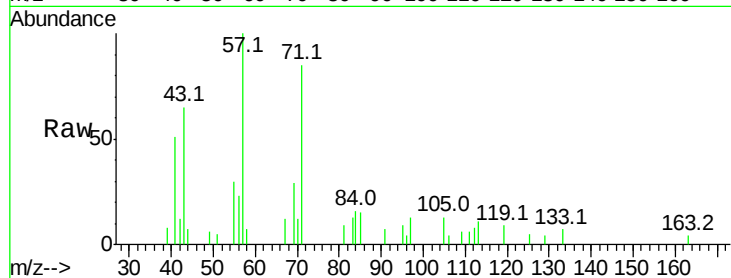
Tot Ion:113 Resp: 619

Ion Ratio Lower Upper

113 100

55 267.3 150.2 190.2#

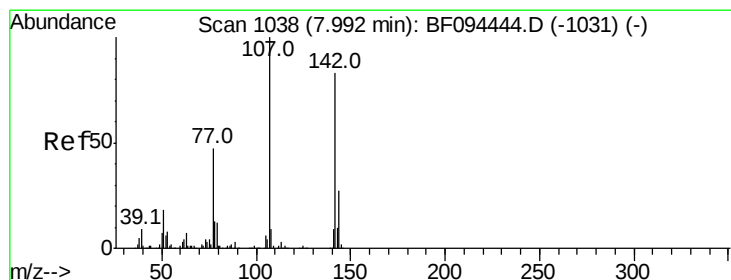
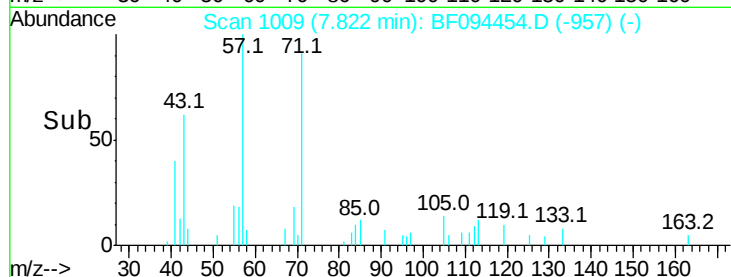
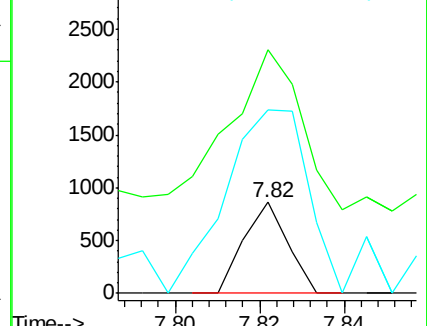
56 201.7 107.8 147.8#



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



#36

4-Chloro-3-methylphenol

Concen: 0.05 ng

RT: 7.97 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

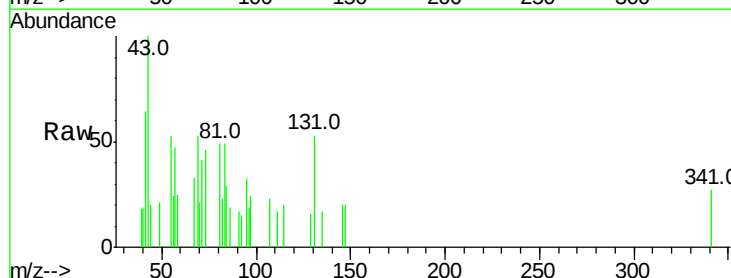
Tgt Ion:107 Resp: 395

Ion Ratio Lower Upper

107 100

144 0.0 24.2 36.4#

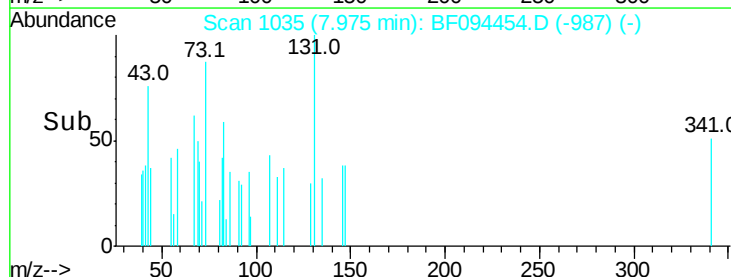
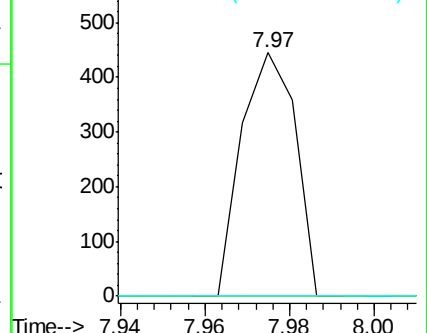
142 0.0 73.4 110.0#

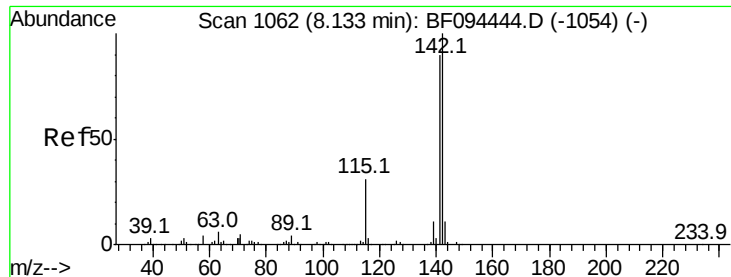


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

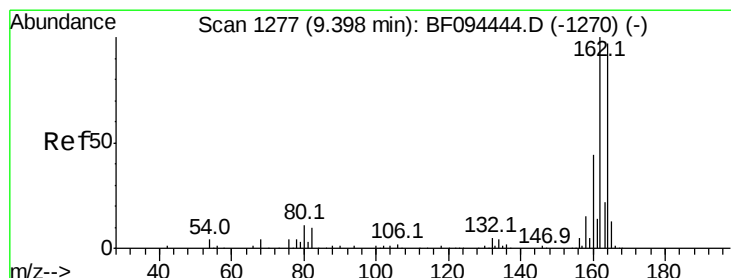
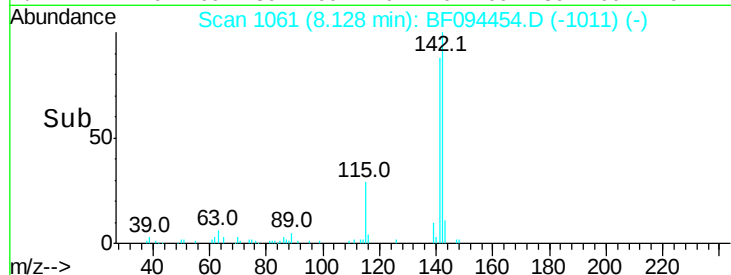
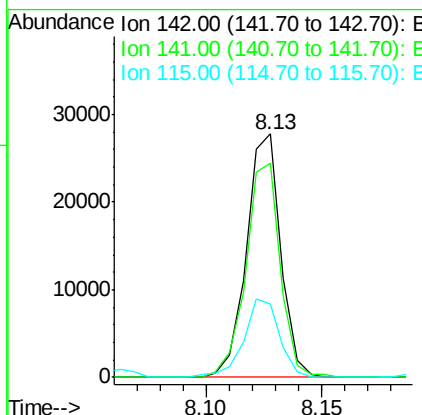
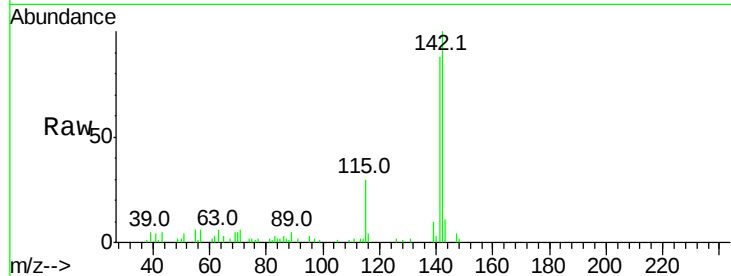




#37
 2-Methylnaphthalene
 Concen: 1.47 ng
 RT: 8.13 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

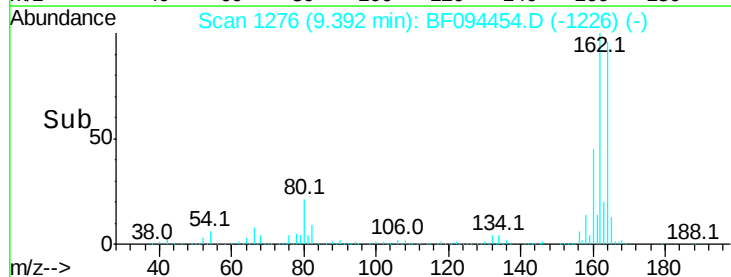
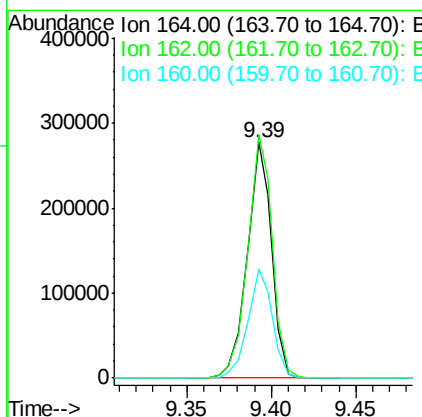
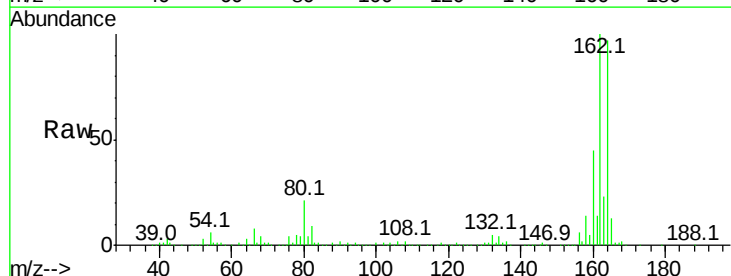
Instrument :
 BNA_F
 ClientSampleId :

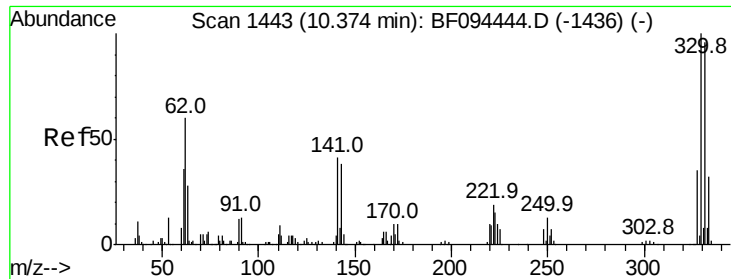
Tot Ion:142 Resp: 28700
 Ion Ratio Lower Upper
 142 100
 141 88.2 71.3 106.9
 115 30.4 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

Tgt Ion:164 Resp: 277571
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 46.2 36.2 54.2

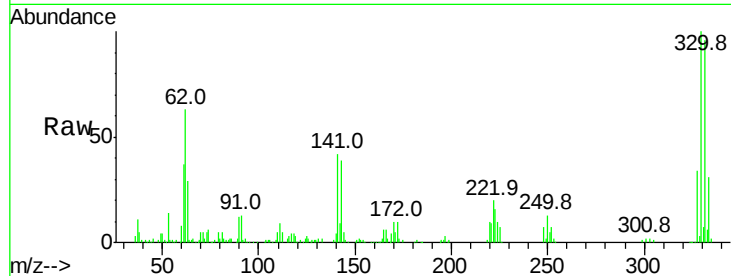




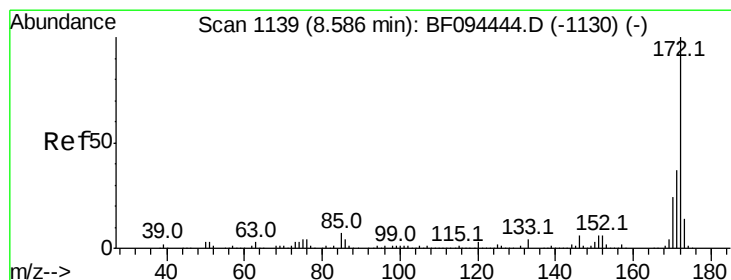
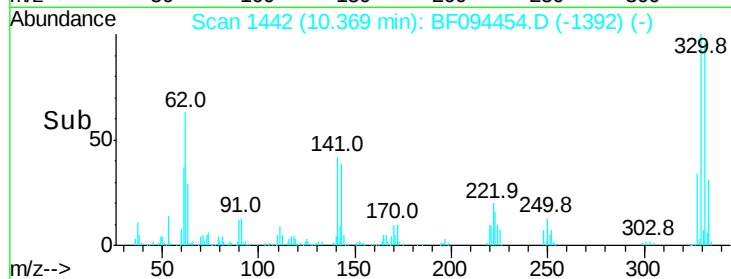
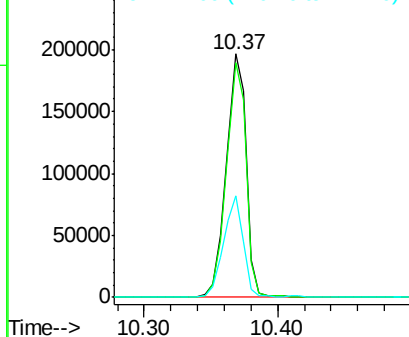
#41
 2,4,6-Tribromophenol
 Concen: 96.23 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	40.4	31.4	47.2

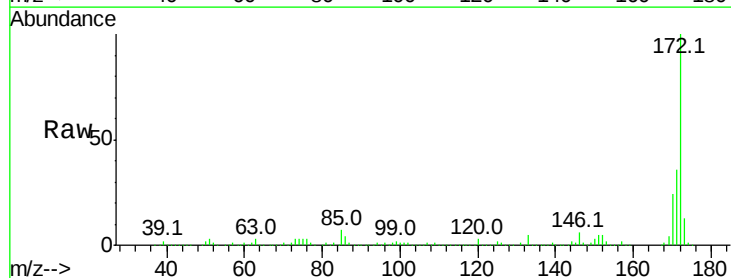


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

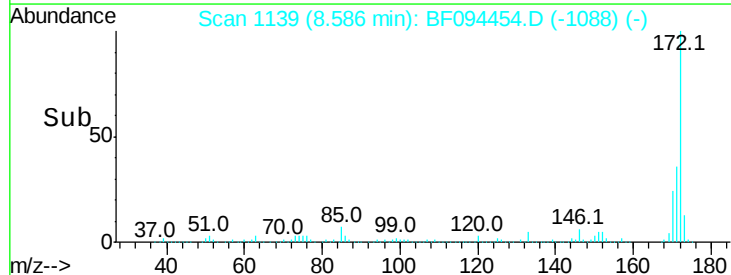
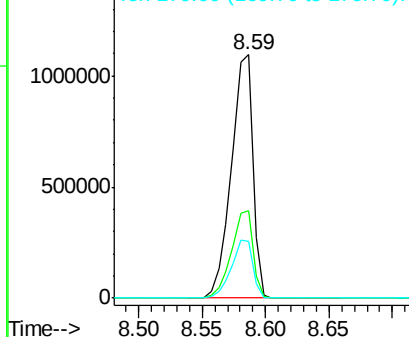


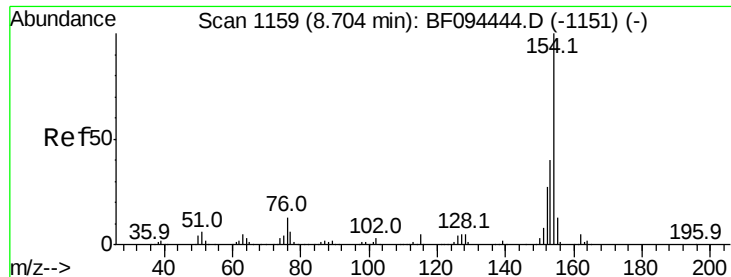
#44
 2-Fluorobiphenyl
 Concen: 67.80 ng
 RT: 8.59 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	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: 0.12 ng

RT: 8.58 min Scan# 1138

Delta R.T. -0.12 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

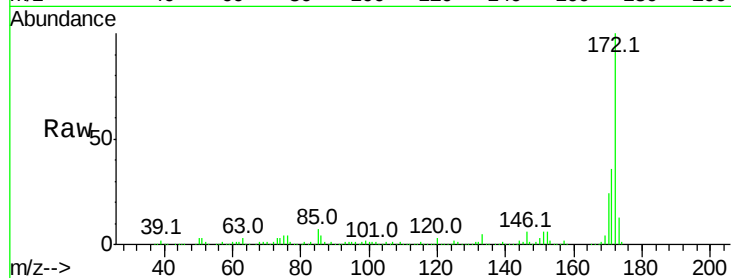
Tot Ion:154 Resp: 2624

Ion Ratio Lower Upper

154 100

153 730.5 21.2 61.2#

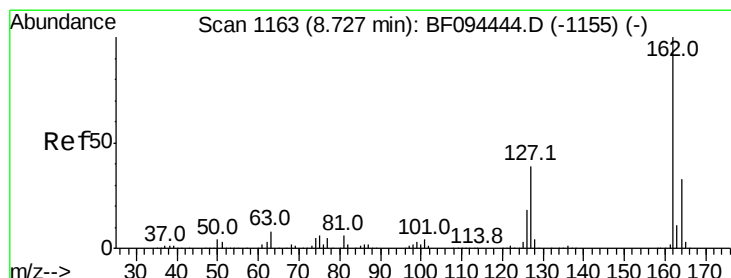
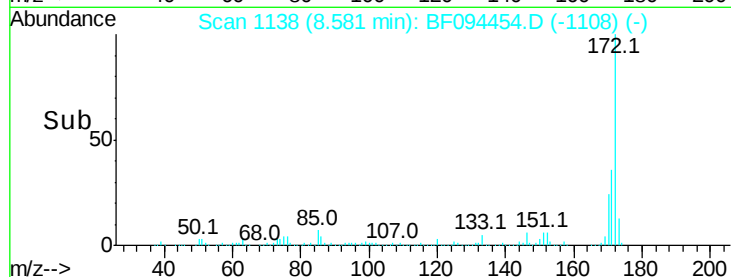
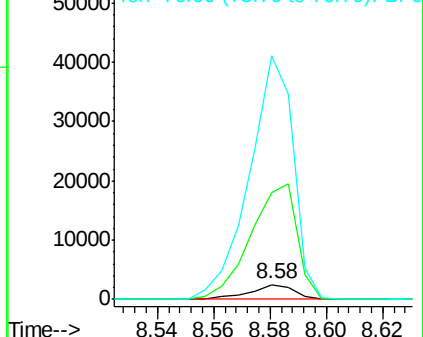
76 1661.1 0.0 29.9#



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



#46

2-Chloronaphthalene

Concen: 0.04 ng

RT: 8.78 min Scan# 1172

Delta R.T. 0.05 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

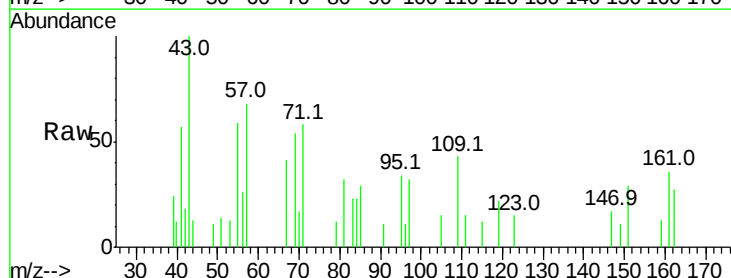
Tgt Ion:162 Resp: 707

Ion Ratio Lower Upper

162 100

127 0.0 28.3 42.5#

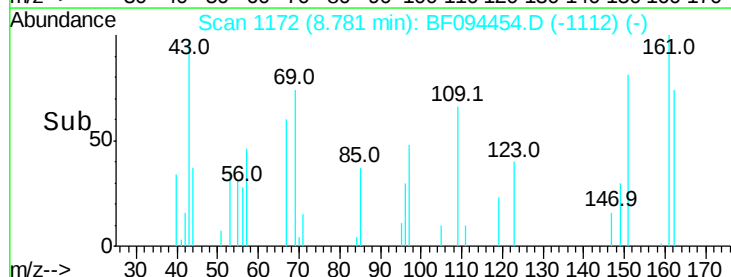
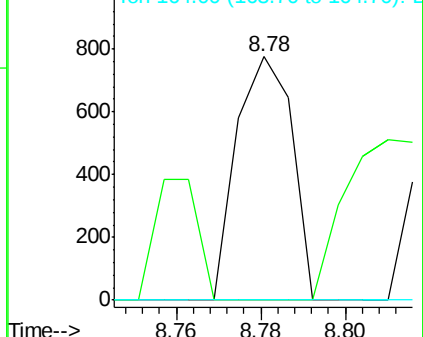
164 0.0 27.0 40.4#

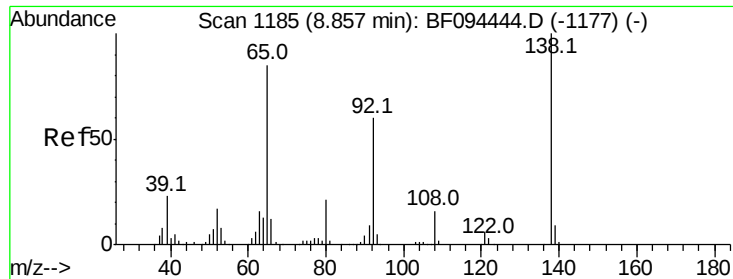


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

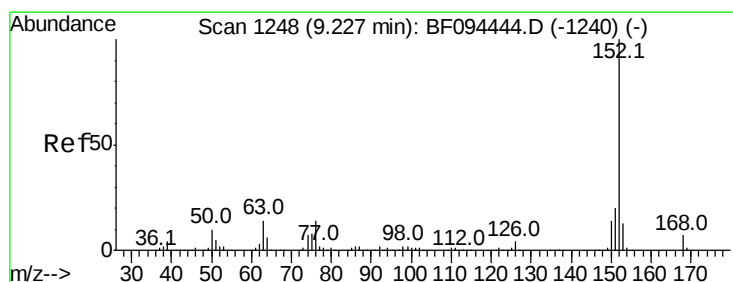
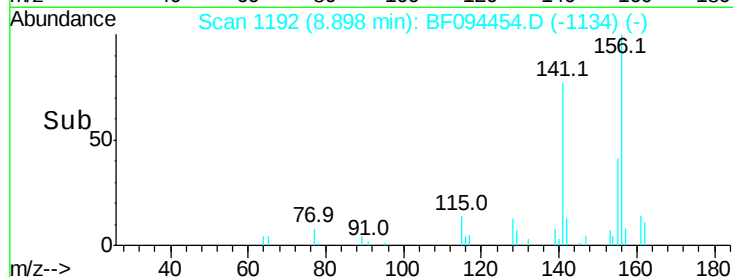
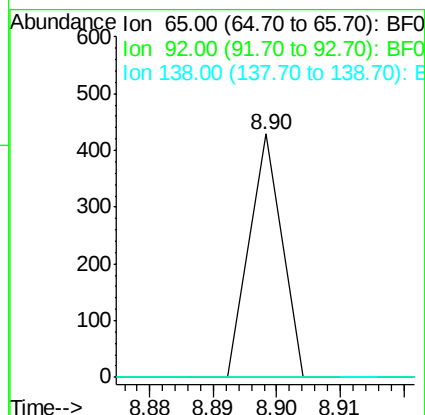
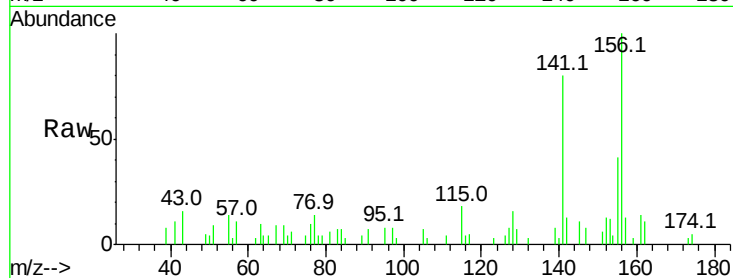




#47
2-Nitroaniline
Concen: 0.03 ng
RT: 8.90 min Scan# 1192
Delta R.T. 0.04 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

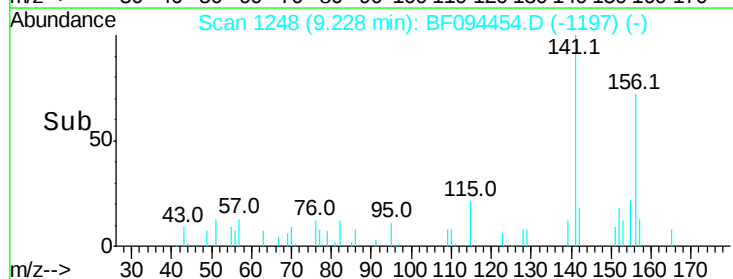
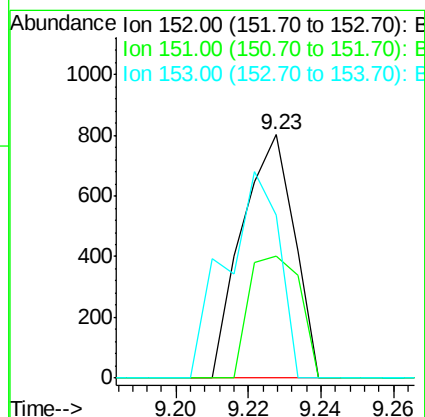
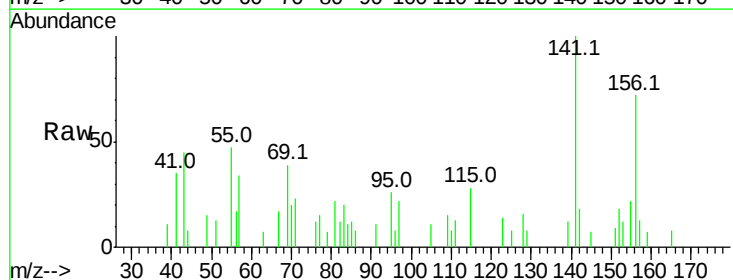
Instrument :
BNA_F
ClientSampleId :

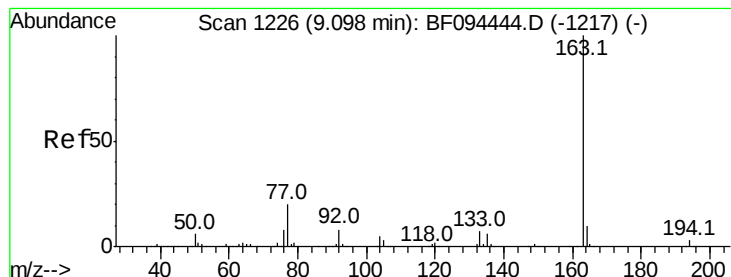
Tot Ion: 65 Resp: 151
Ion Ratio Lower Upper
65 100
92 0.0 53.9 80.9#
138 0.0 78.8 118.2#



#48
Acenaphthylene
Concen: 0.03 ng
RT: 9.23 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Tgt Ion:152 Resp: 800
Ion Ratio Lower Upper
152 100
151 50.0 16.8 25.2#
153 67.0 10.8 16.2#





#49

Dimethylphthalate

Concen: 25.96 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

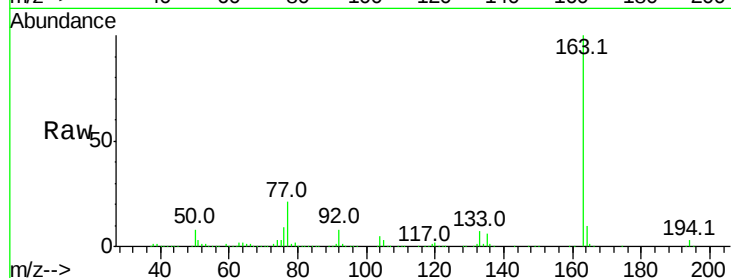
Tot Ion:163 Resp: 536983

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

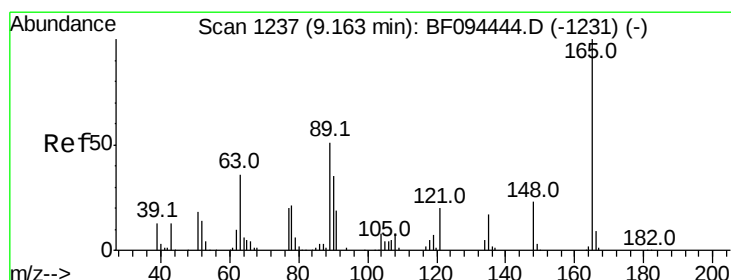
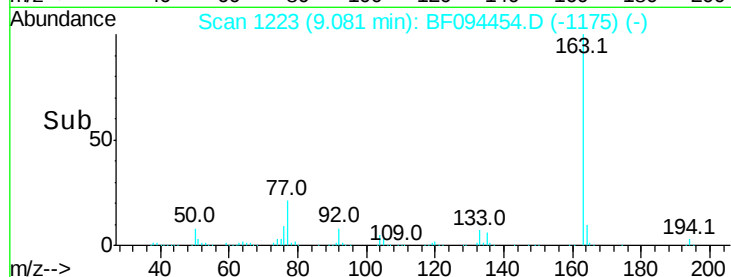
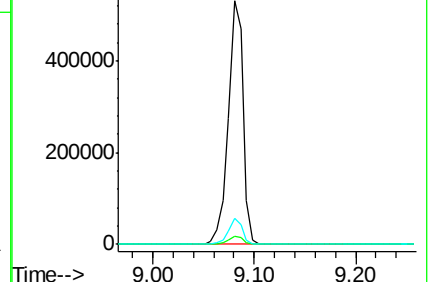
164 10.4 8.4 12.6



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: 1.37 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.08 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

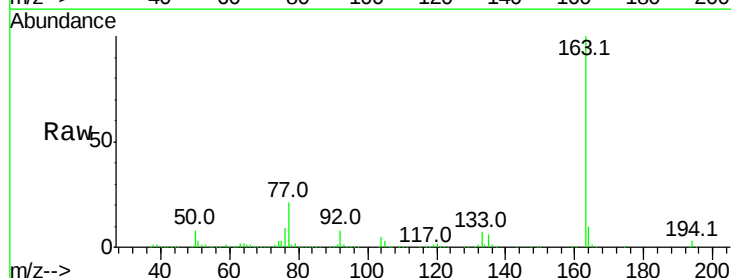
Tgt Ion:165 Resp: 6338

Ion Ratio Lower Upper

165 100

63 131.7 34.3 51.5#

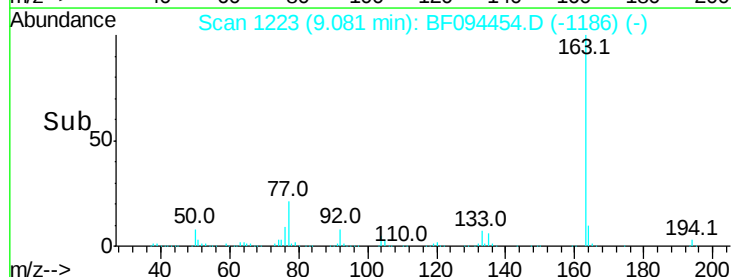
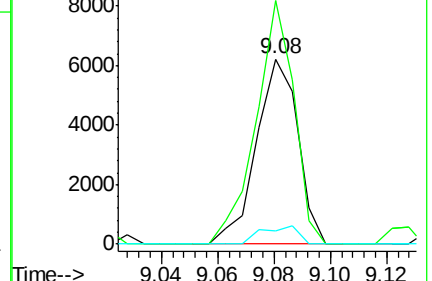
89 6.9 37.1 55.7#

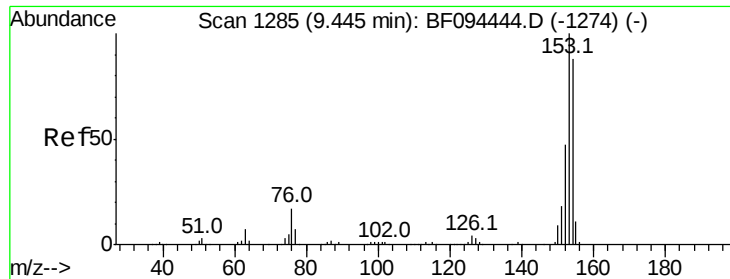


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.43 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampled :

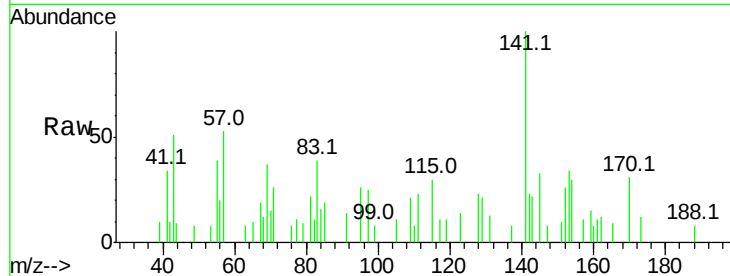
Tot Ion:154 Resp: 977

Ion Ratio Lower Upper

154 100

153 114.1 90.5 135.7

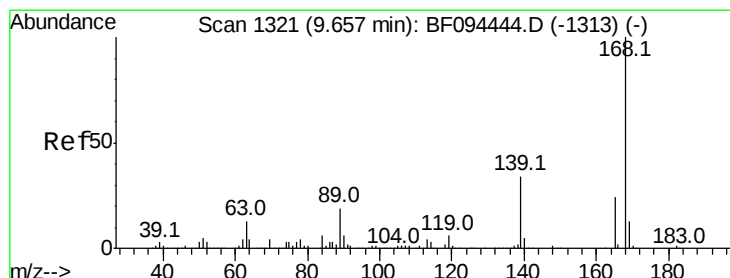
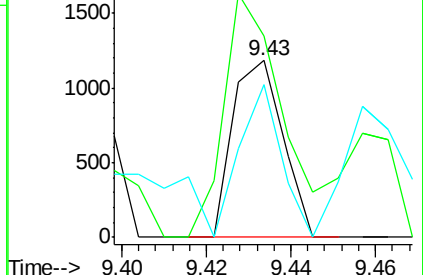
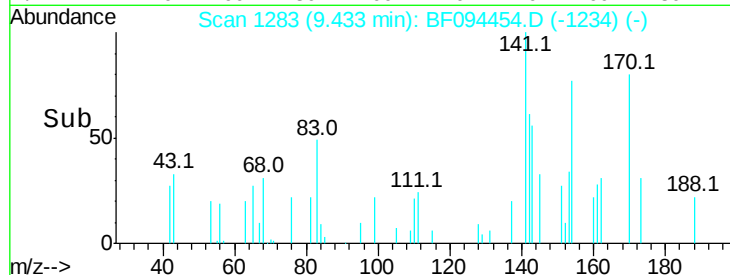
152 86.7 43.6 65.4#



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: 0.07 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

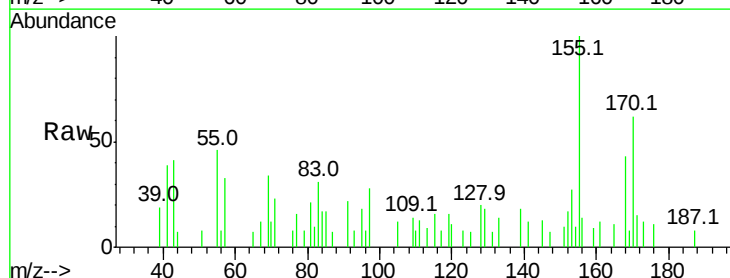
Tgt Ion:168 Resp: 1808

Ion Ratio Lower Upper

168 100

139 42.3 30.6 45.8

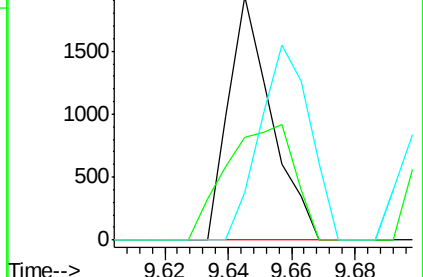
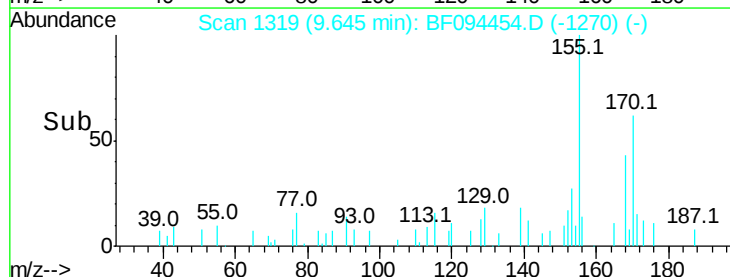
169 19.8 10.8 16.2#

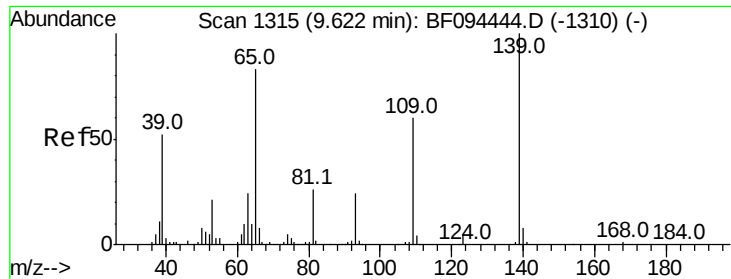


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 0.04 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.03 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampled :

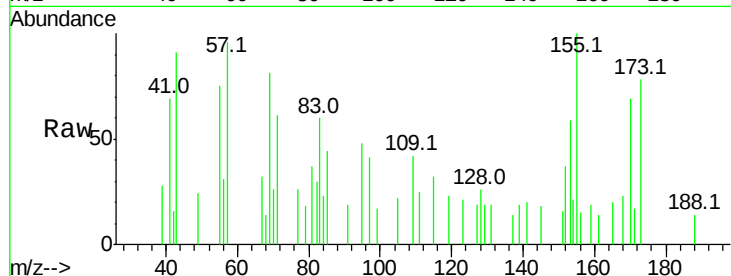
Tot Ion:139 Resp: 146

Ion Ratio Lower Upper

139 100

109 222.9 34.1 74.1#

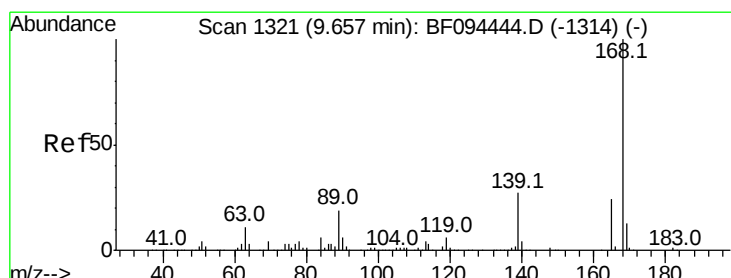
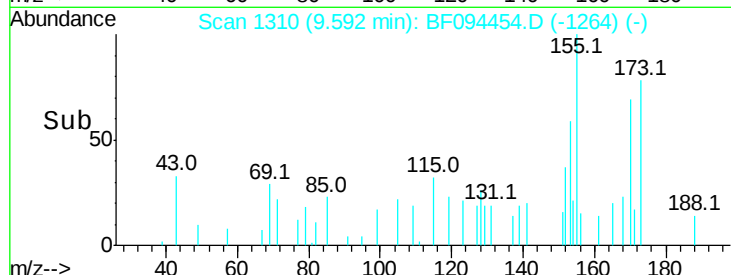
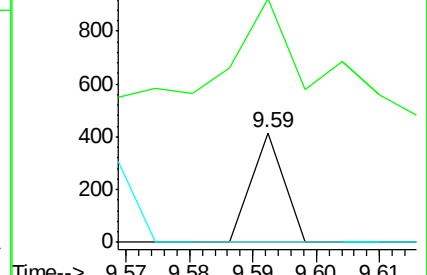
65 0.0 31.4 71.4#



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: 6.45 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.26 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Tgt Ion:165 Resp: 36744

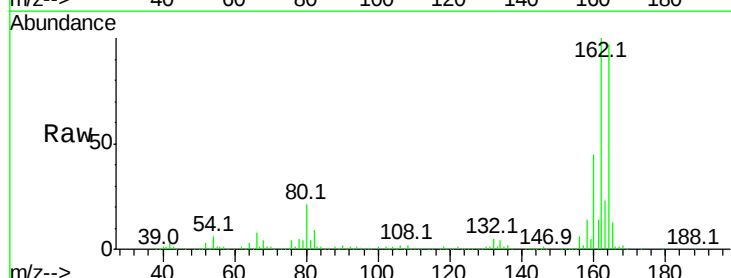
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

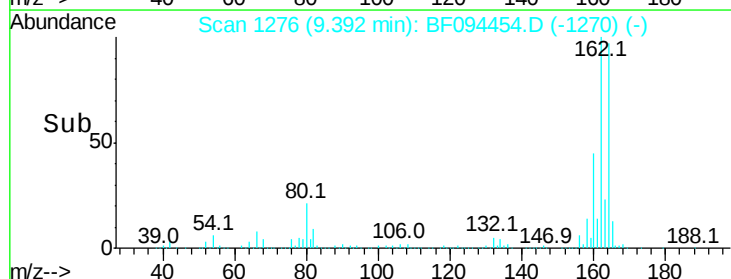
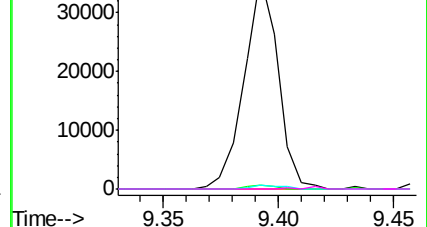


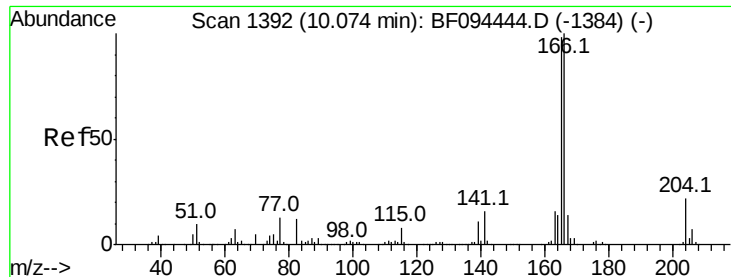
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 0.16 ng

RT: 10.07 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

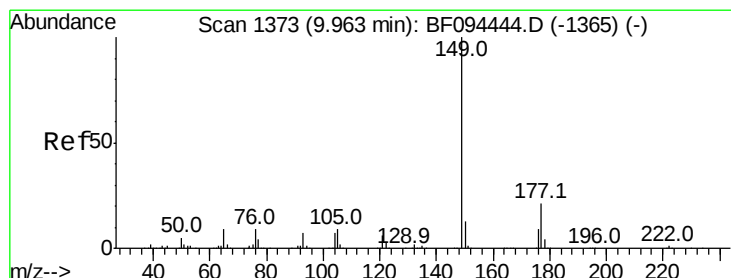
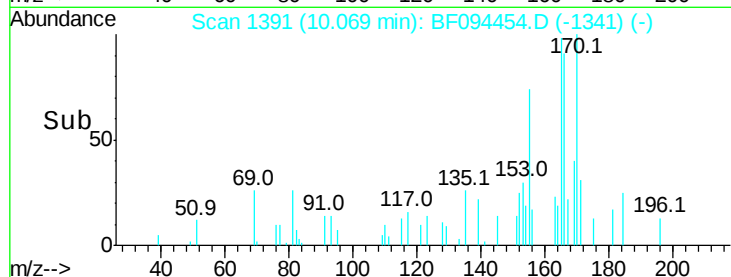
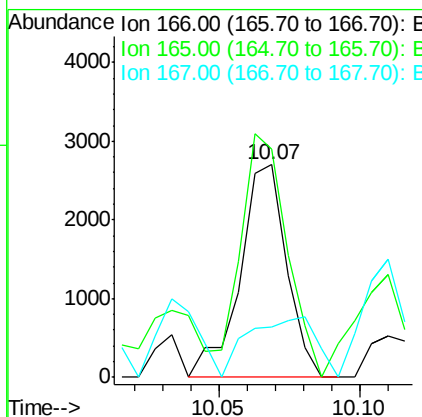
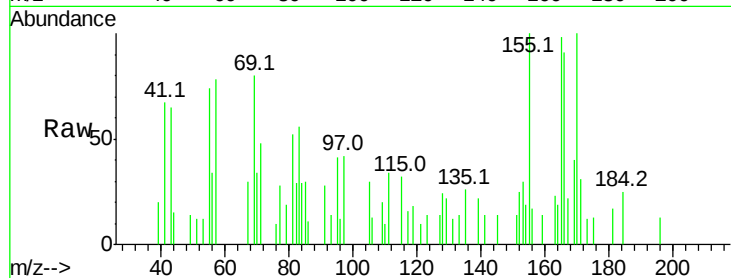
Tot Ion:166 Resp: 3100

Ion Ratio Lower Upper

166 100

165 107.4 78.8 118.2

167 23.8 10.6 16.0#



#59

Diethylphthalate

Concen: 0.16 ng

RT: 9.95 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

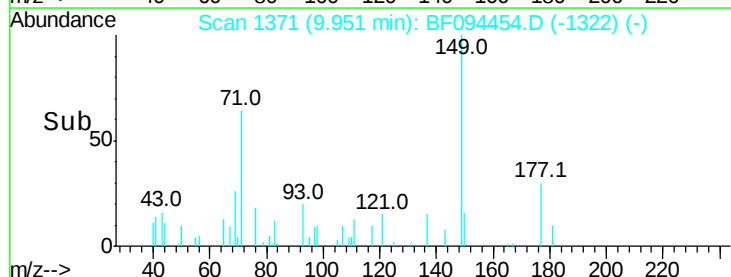
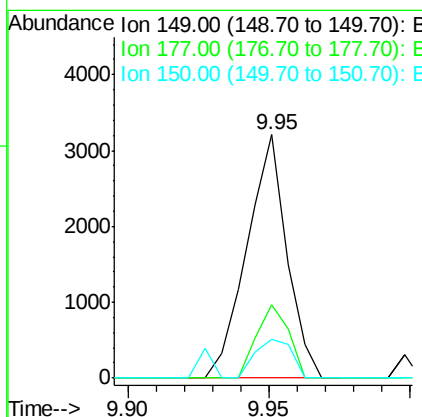
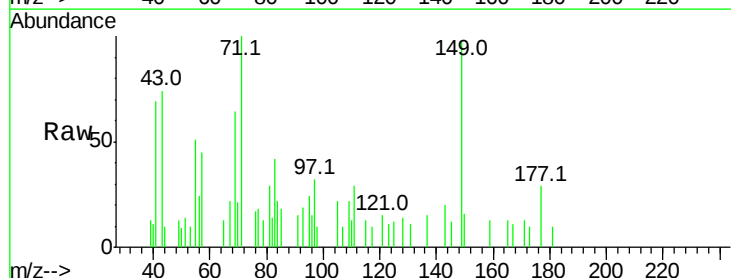
Tgt Ion:149 Resp: 3154

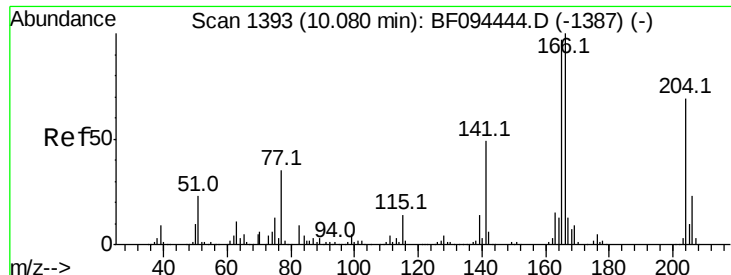
Ion Ratio Lower Upper

149 100

177 30.2 16.7 25.1#

150 16.1 10.2 15.2#

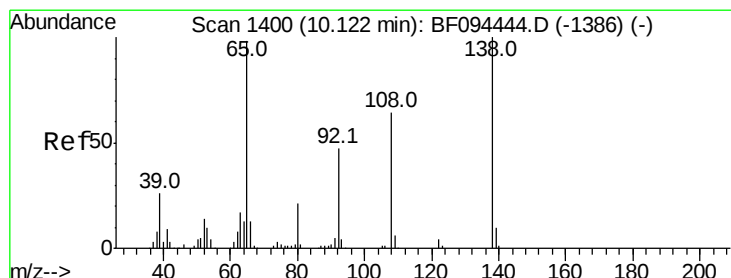
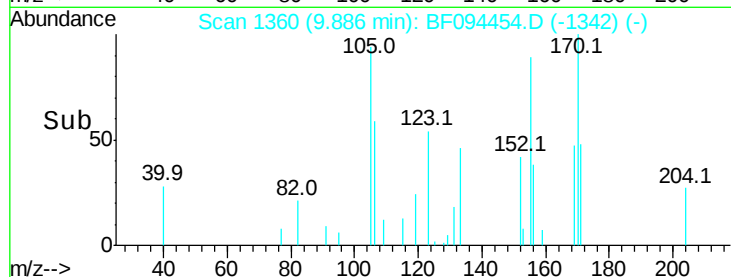
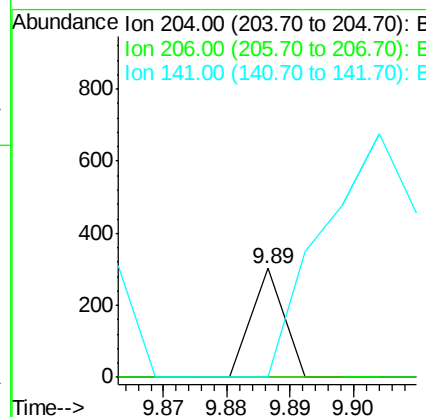
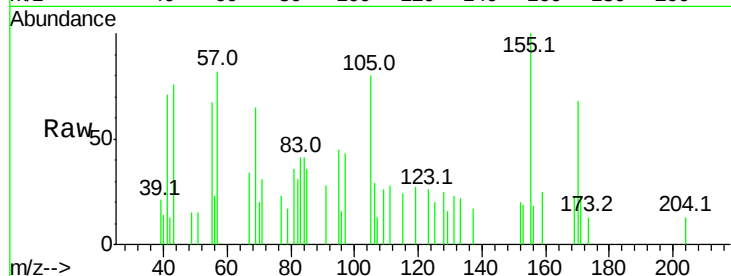




#60
 4-Chlorophenyl-phenylether
 Concen: 0.01 ng
 RT: 9.89 min Scan# 1360
 Delta R.T. -0.19 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

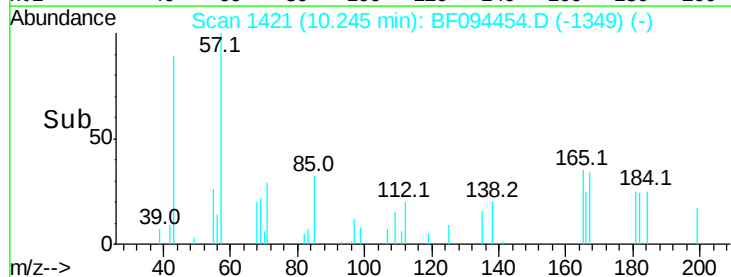
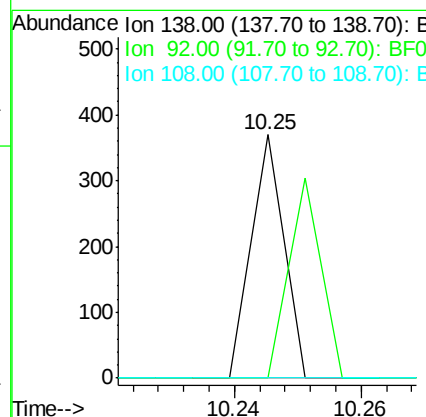
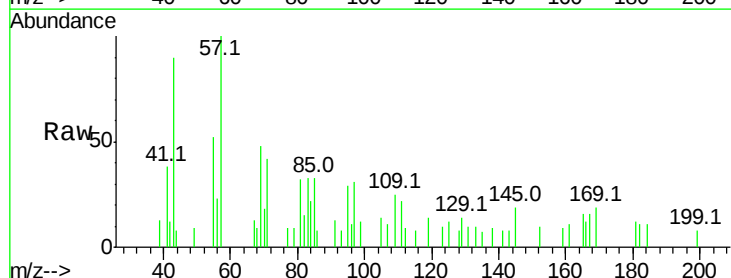
Instrument :
 BNA_F
 ClientSampled :

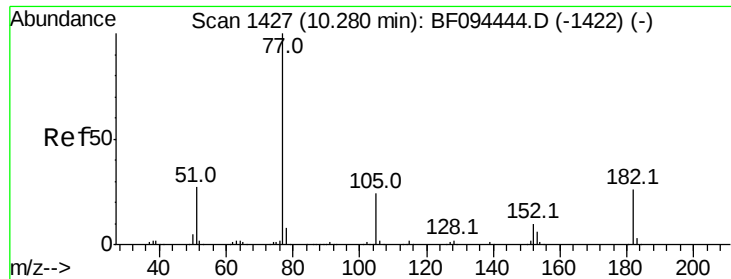
Tot Ion:204 Resp: 107
 Ion Ratio Lower Upper
 204 100
 206 0.0 26.2 39.2#
 141 0.0 60.8 91.2#



#61
 4-Nitroaniline
 Concen: 0.02 ng
 RT: 10.25 min Scan# 1421
 Delta R.T. 0.12 min
 Lab File: BF094454.D
 Acq: 17 Apr 2017 17:29

Tgt Ion:138 Resp: 131
 Ion Ratio Lower Upper
 138 100
 92 0.0 21.8 61.8#
 108 0.0 42.3 82.3#





#62

Azobenzene

Concen: 0.02 ng

RT: 10.27 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 357

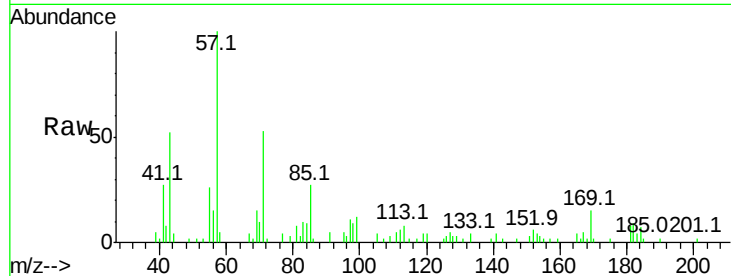
Ion Ratio Lower Upper

77 100

182 215.9 0.1 40.1#

105 91.0 3.6 43.6#

51 41.3 9.4 49.4

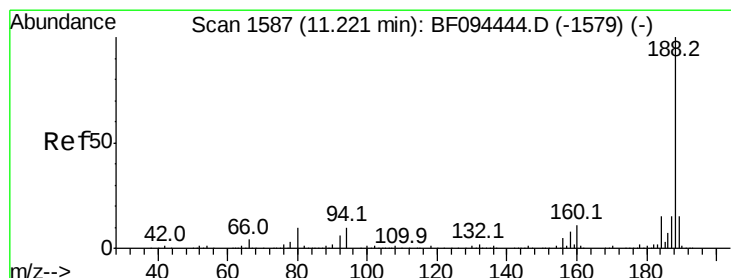
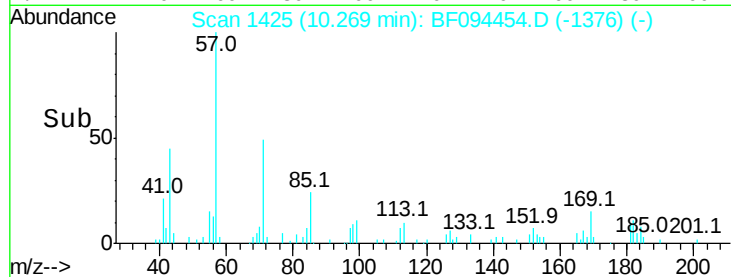
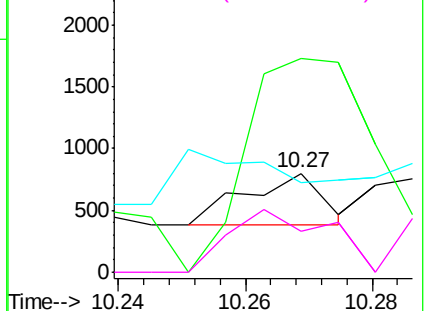


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF094454.D

Acq: 17 Apr 2017 17:29

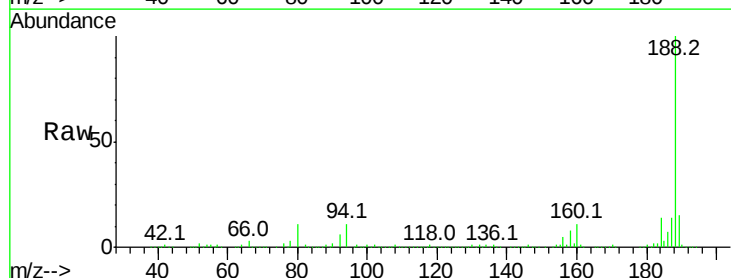
Tgt Ion: 188 Resp: 491648

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

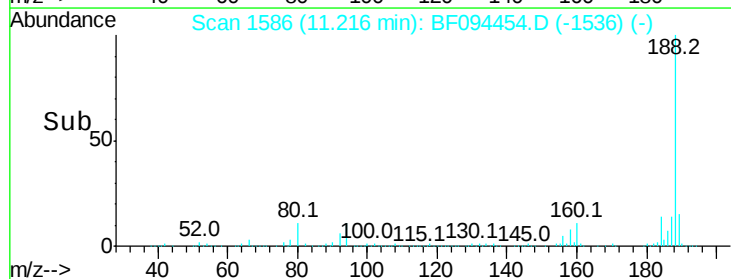
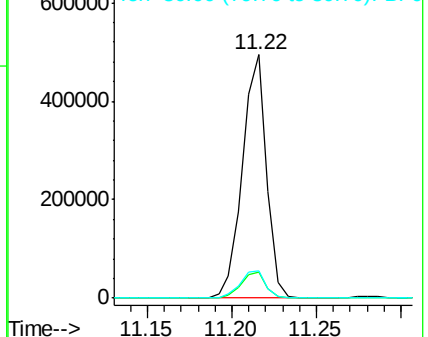
80 11.1 10.2 15.2

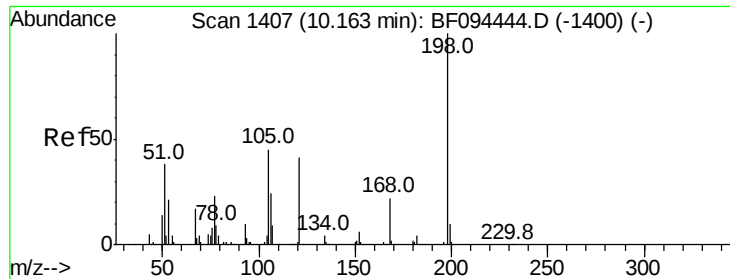


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

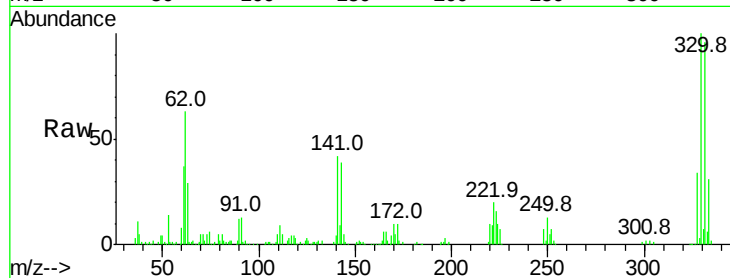




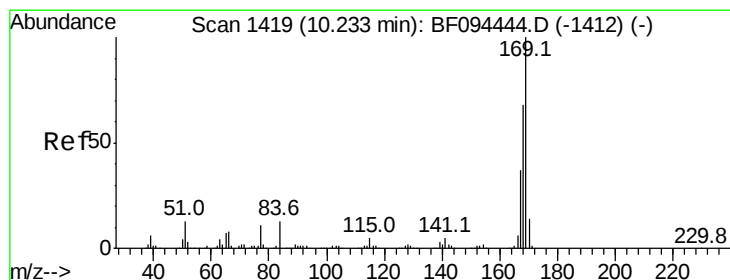
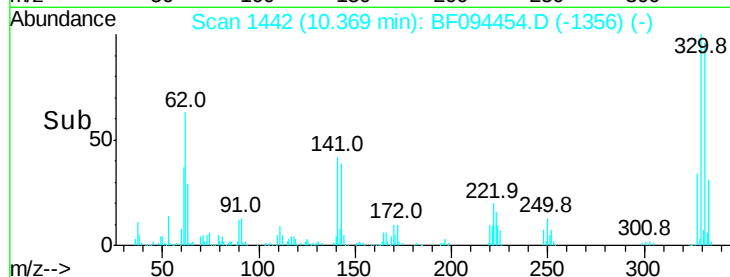
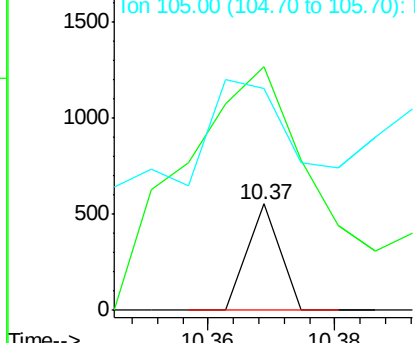
#64
4,6-Dinitro-2-methylphenol
Concen: 0.06 ng
RT: 10.37 min Scan# 1442
Delta R.T. 0.21 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 195
Ion Ratio Lower Upper
198 100
51 228.8 53.2 93.2#
105 209.0 45.8 85.8#

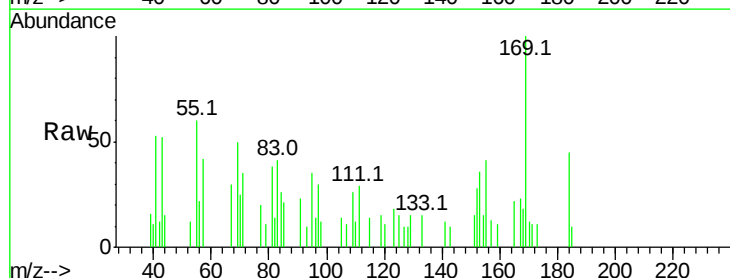


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

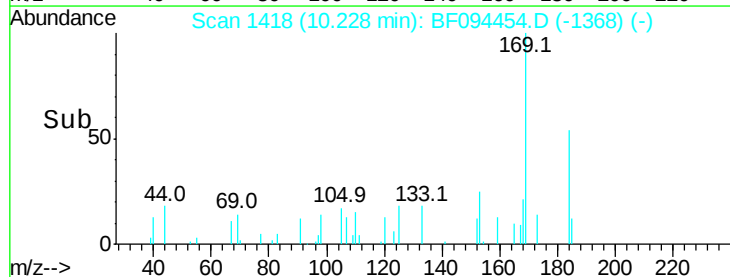
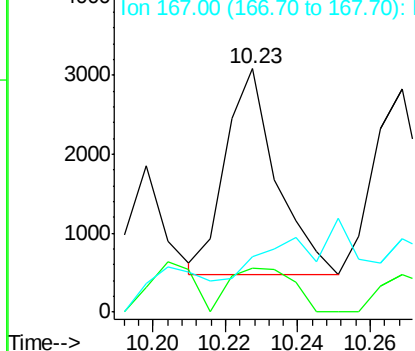


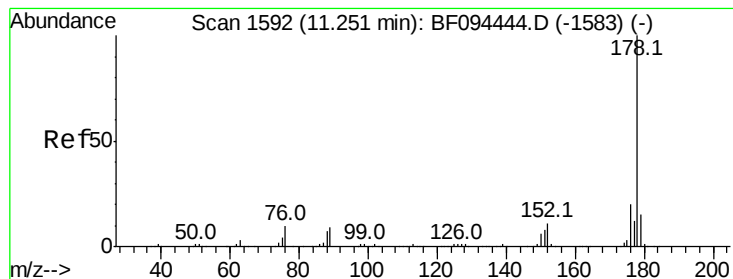
#65
n-Nitrosodiphenylamine
Concen: 0.15 ng
RT: 10.23 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Tgt Ion:169 Resp: 2527
Ion Ratio Lower Upper
169 100
168 17.9 53.2 79.8#
167 22.9 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





#70

Phenanthrene

Concen: 0.50 ng

RT: 11.24 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

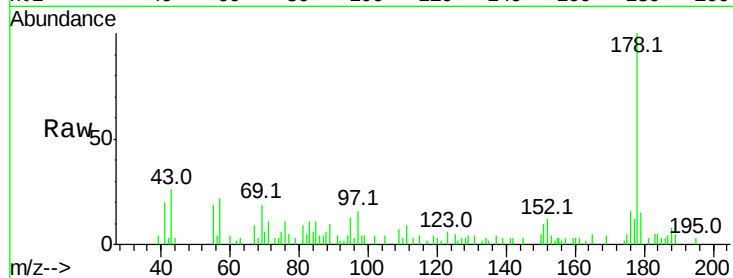
Tot Ion:178 Resp: 13834

Ion Ratio Lower Upper

178 100

176 15.5 16.2 24.4#

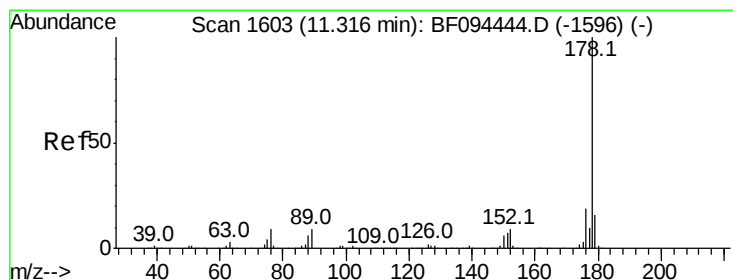
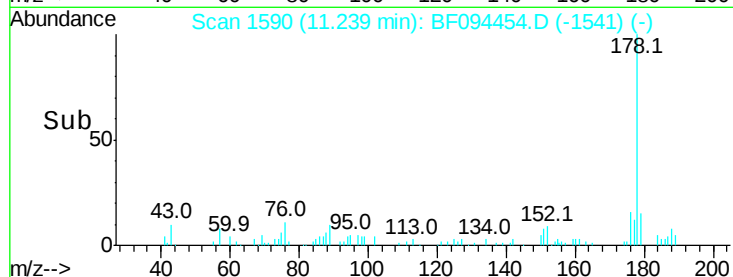
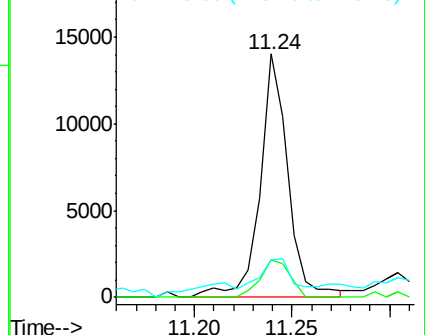
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.08 ng

RT: 11.30 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

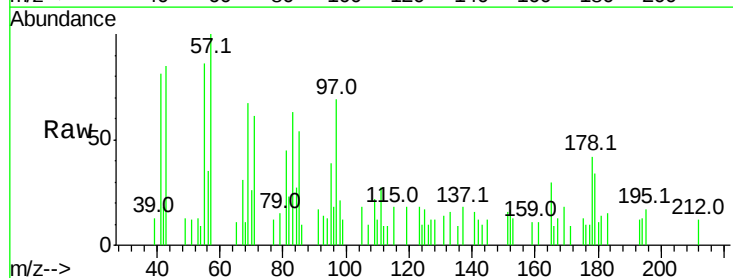
Tgt Ion:178 Resp: 2180

Ion Ratio Lower Upper

178 100

176 22.9 15.8 23.8

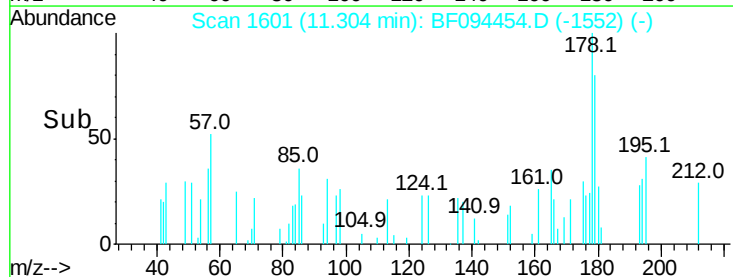
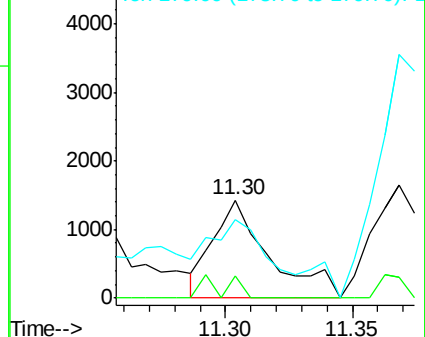
179 79.9 12.7 19.1#

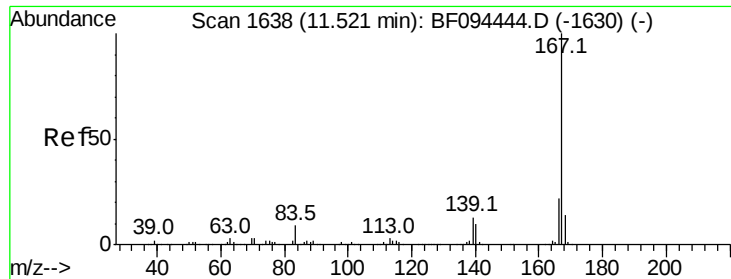


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.04 ng

RT: 11.51 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

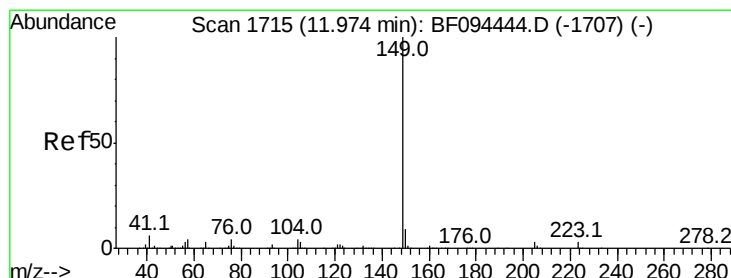
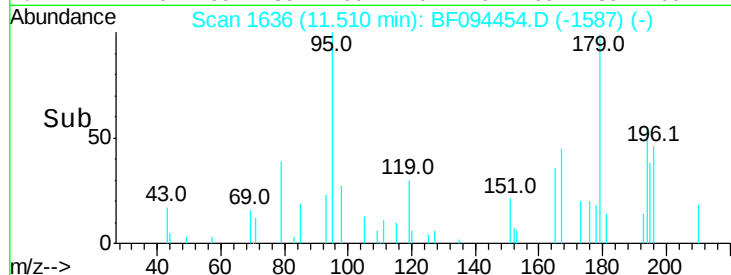
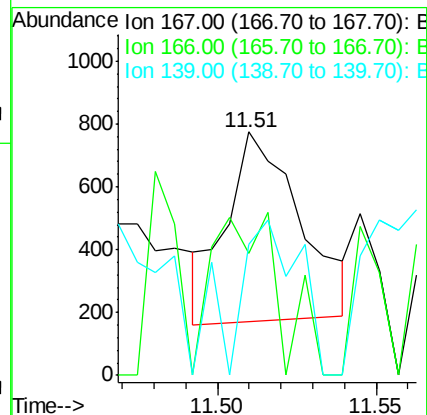
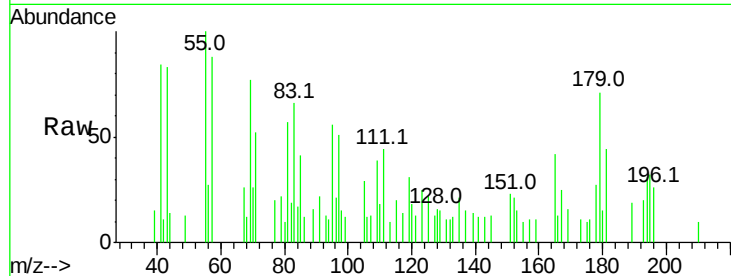
Tot Ion:167 Resp: 975

Ion Ratio Lower Upper

167 100

166 50.1 18.1 27.1#

139 54.1 11.7 17.5#



#73

Di-n-butylphthalate

Concen: 0.25 ng

RT: 11.96 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

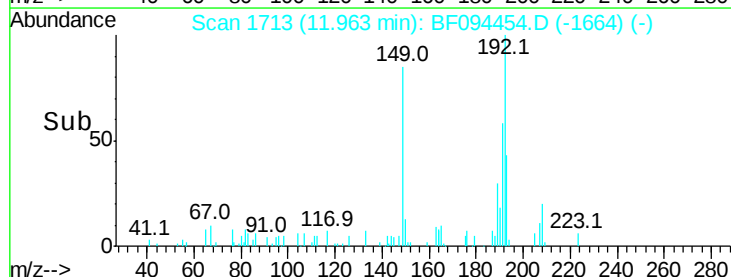
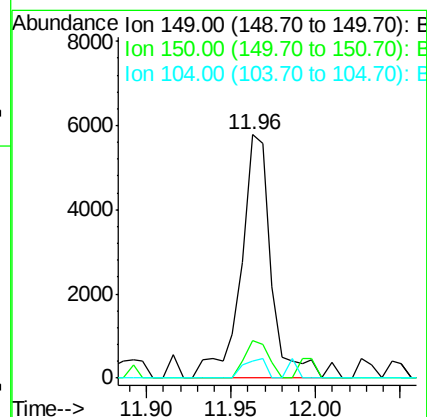
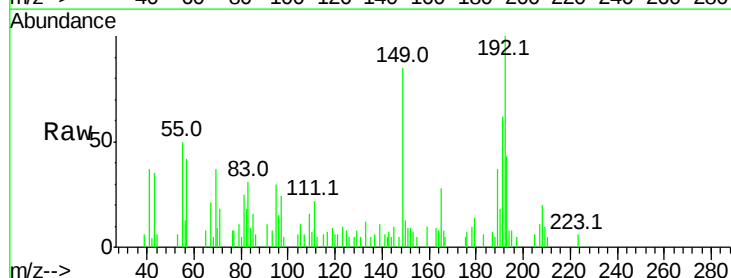
Tgt Ion:149 Resp: 7297

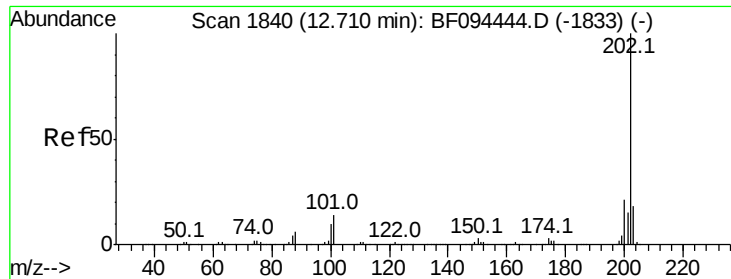
Ion Ratio Lower Upper

149 100

150 15.2 7.7 11.5#

104 6.8 4.0 6.0#

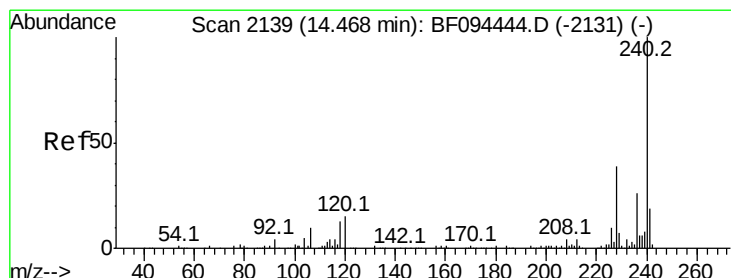
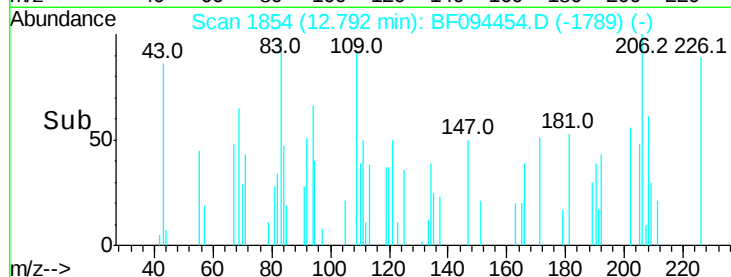
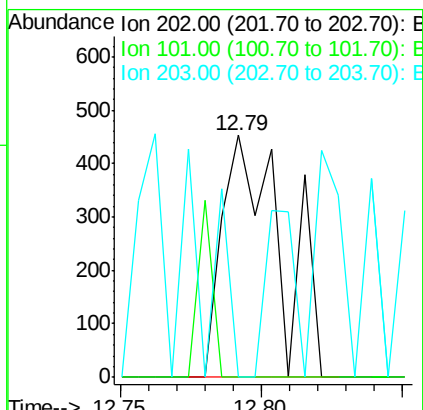
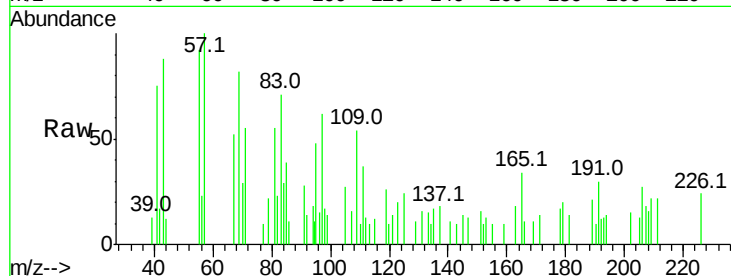




#74
Fluoranthene
Concen: 0.02 ng
RT: 12.79 min Scan# 1854
Delta R.T. 0.08 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

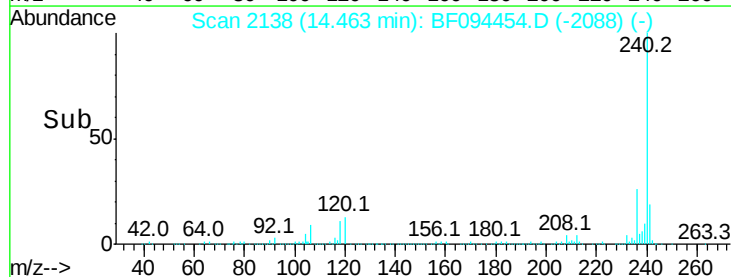
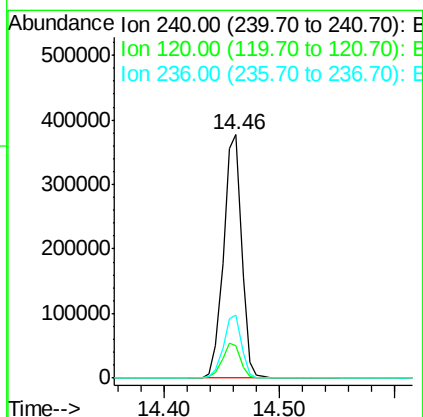
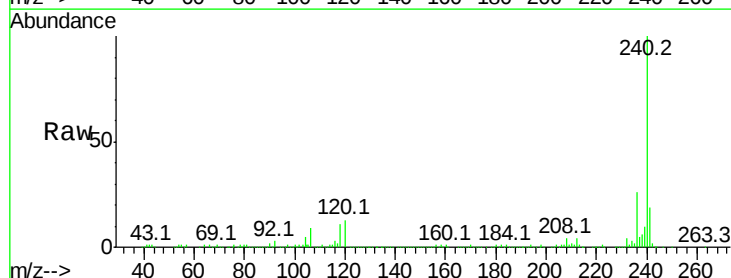
Instrument :
BNA_F
ClientSampled :

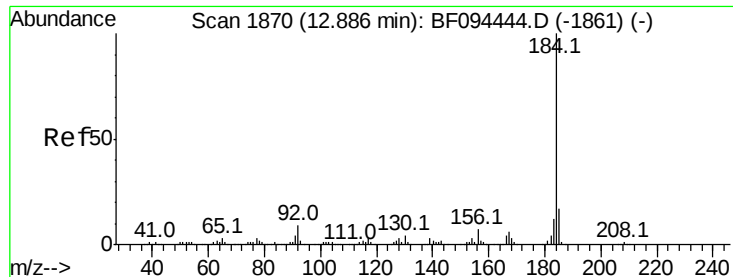
Tot Ion:202 Resp: 657
Ion Ratio Lower Upper
202 100
101 0.0 0.0 33.2
203 0.0 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.46 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Tgt Ion:240 Resp: 410998
Ion Ratio Lower Upper
240 100
120 13.2 5.8 8.8#
236 25.9 20.5 30.7





#76

Benzidine

Concen: 0.01 ng

RT: 12.89 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

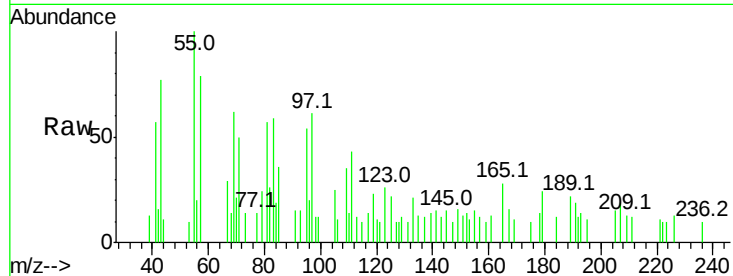
Tot Ion:184 Resp: 244

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

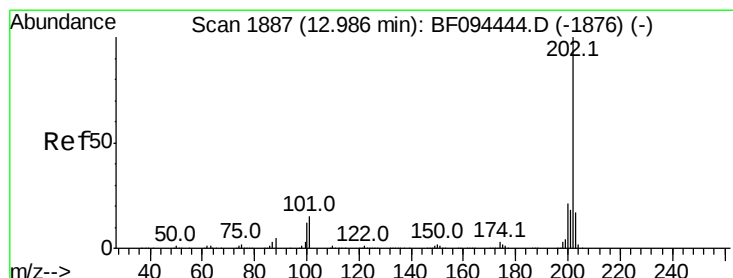
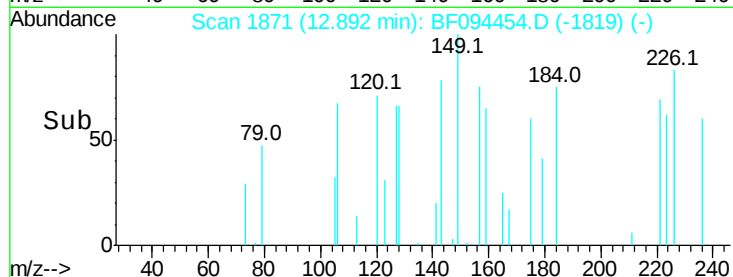
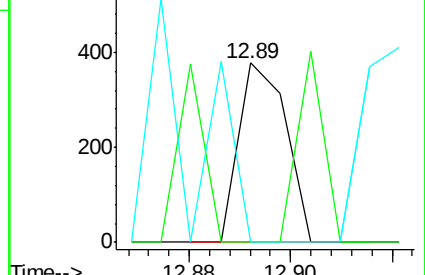
183 0.0 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.17 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

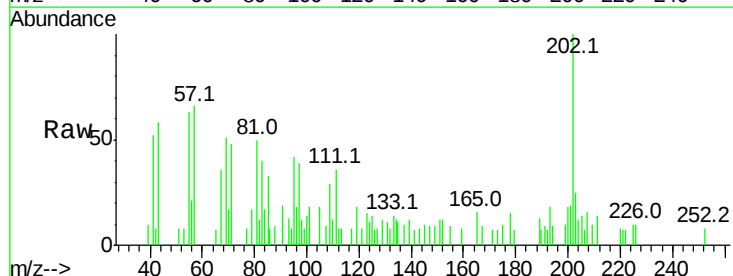
Tgt Ion:202 Resp: 4938

Ion Ratio Lower Upper

202 100

200 17.5 17.6 26.4#

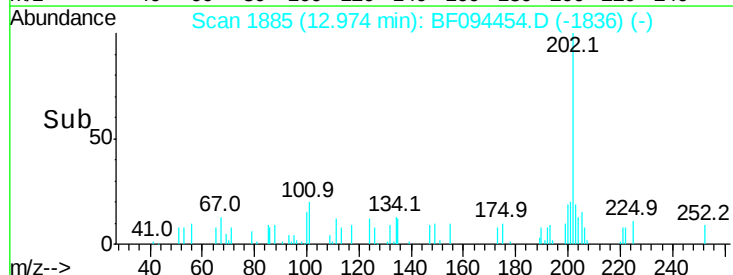
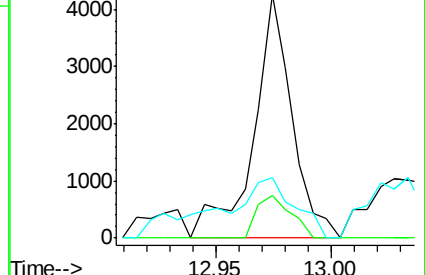
203 25.1 14.4 21.6#

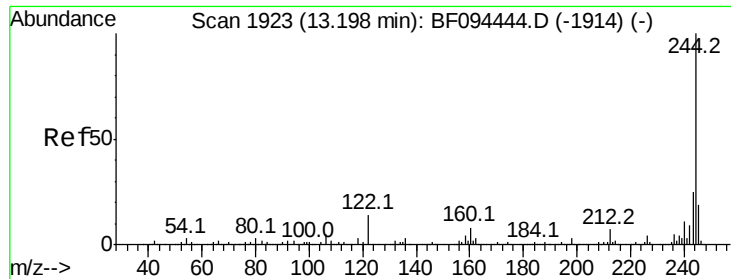


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.13 ng

RT: 13.20 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

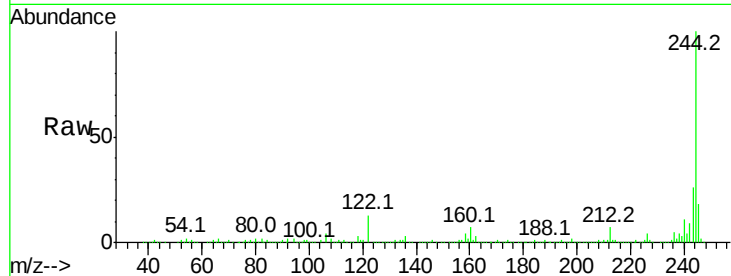
Tot Ion:244 Resp: 1016876

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

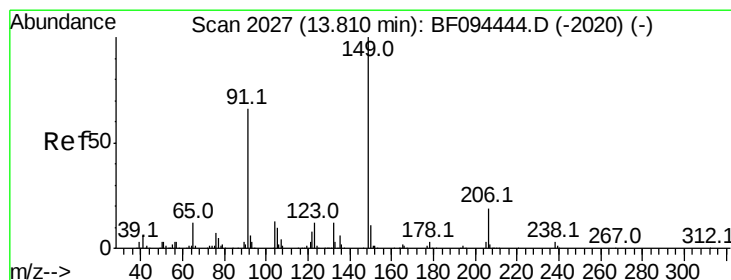
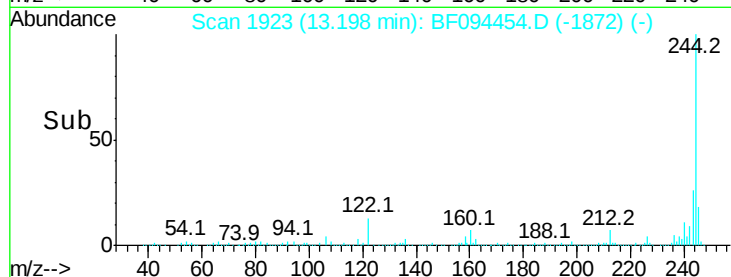
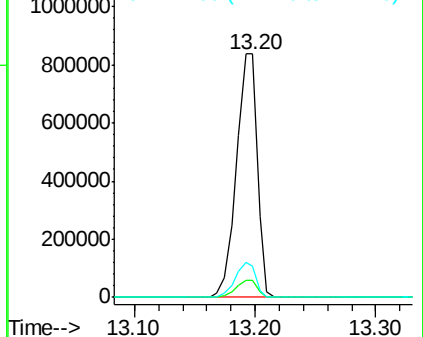
122 12.7 10.3 15.5



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: 0.16 ng

RT: 13.80 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

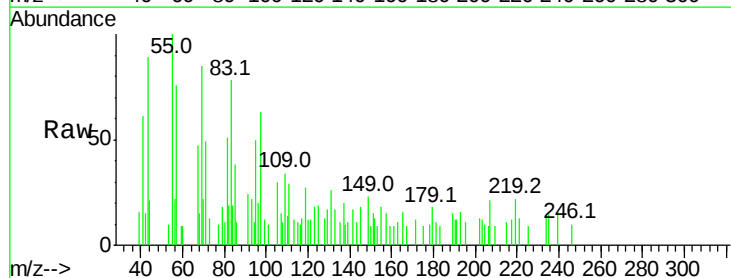
Tgt Ion:149 Resp: 1967

Ion Ratio Lower Upper

149 100

91 104.0 45.0 67.4#

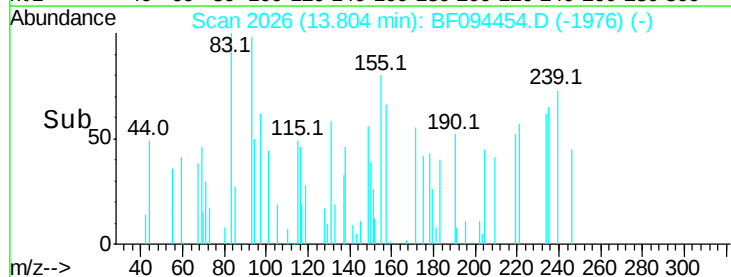
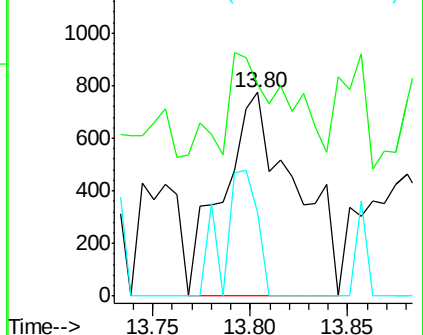
206 41.3 17.0 25.6#

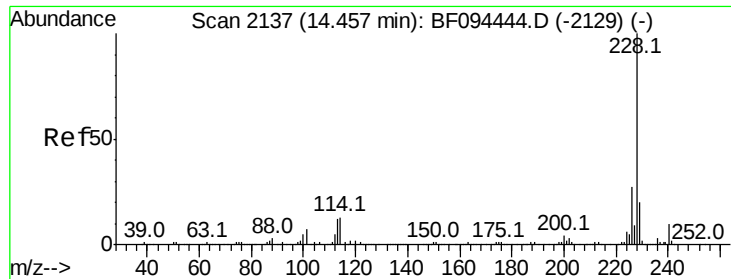


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.17 ng

RT: 14.45 min Scan# 2136

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampled :

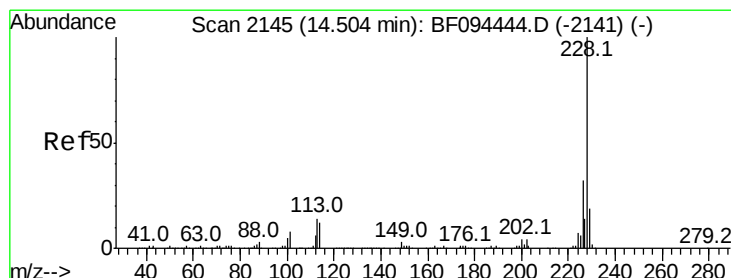
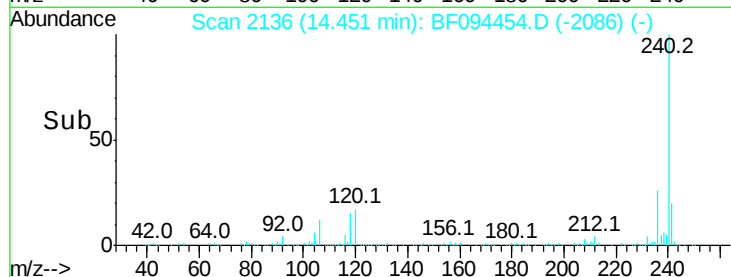
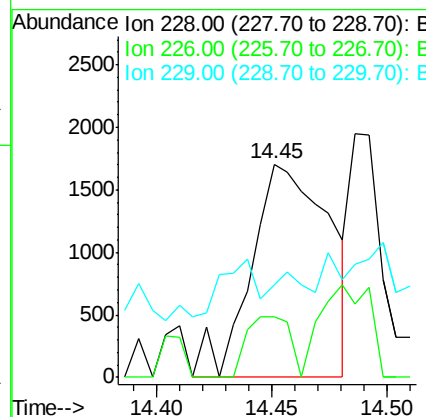
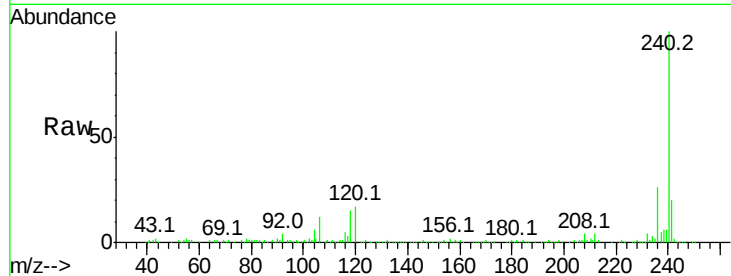
Tot Ion:228 Resp: 4012

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

229 43.3 16.3 24.5#



#82

Chrysene

Concen: 0.09 ng

RT: 14.49 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

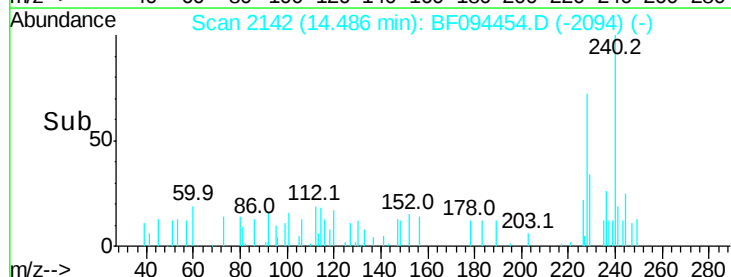
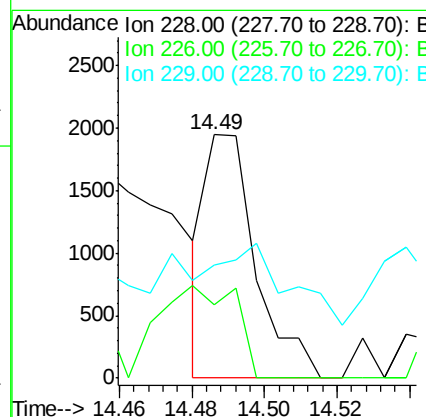
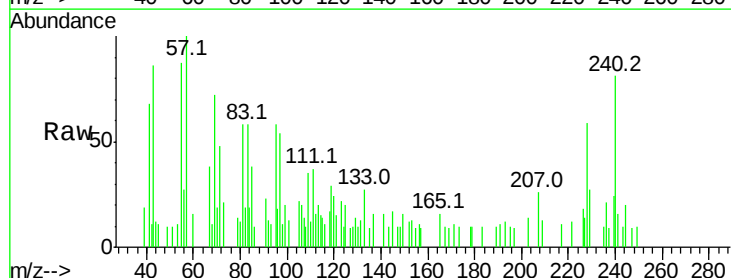
Tgt Ion:228 Resp: 1870

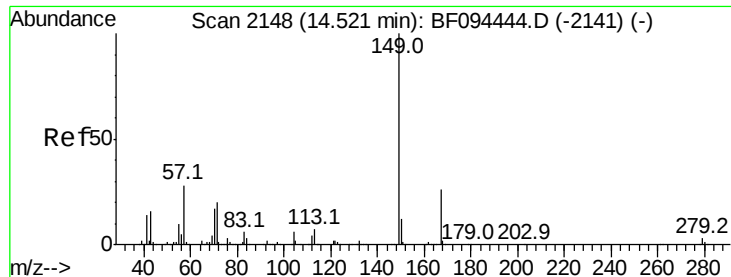
Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

229 46.6 15.8 23.6#





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.68 ng

RT: 14.52 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

Instrument :

BNA_F

ClientSampleId :

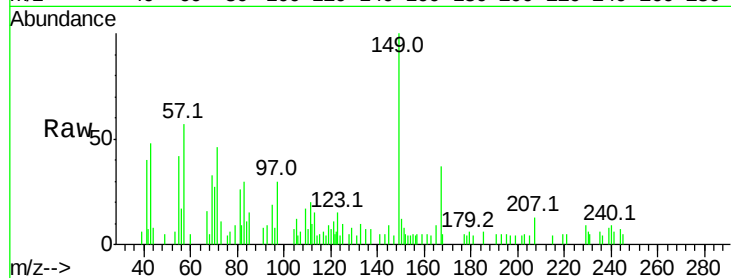
Tot Ion:149 Resp: 11500

Ion Ratio Lower Upper

149 100

167 37.0 21.0 31.4#

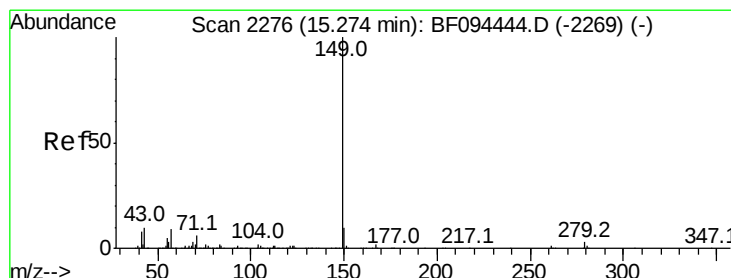
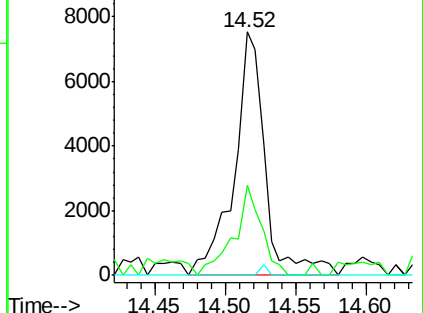
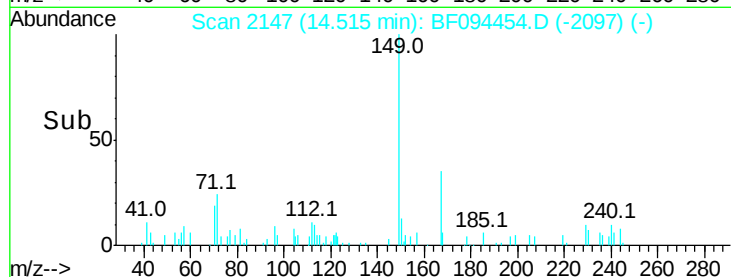
279 0.0 1.9 2.9#



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: 0.03 ng

RT: 15.27 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF094454.D

Acq: 17 Apr 2017 17:29

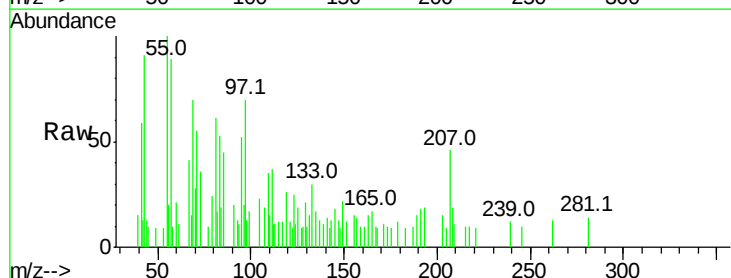
Tgt Ion:149 Resp: 754

Ion Ratio Lower Upper

149 100

167 70.8 1.2 1.8#

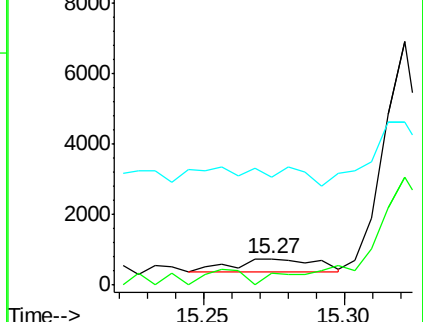
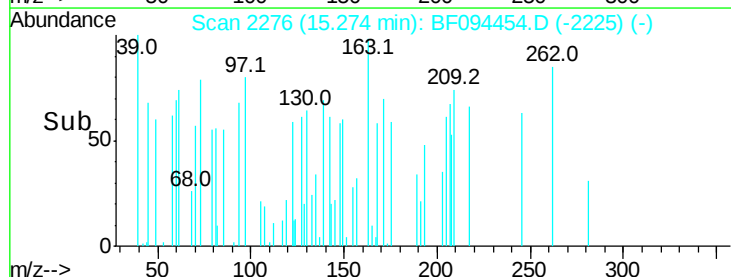
43 59.4 8.5 12.7#

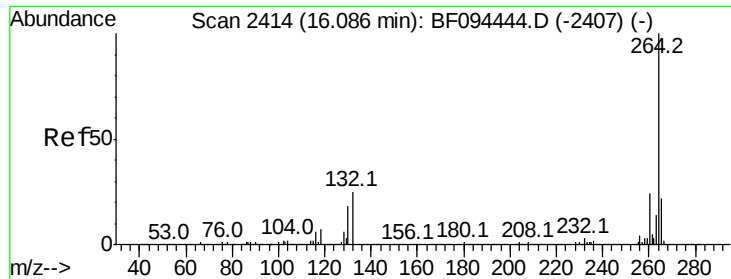


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

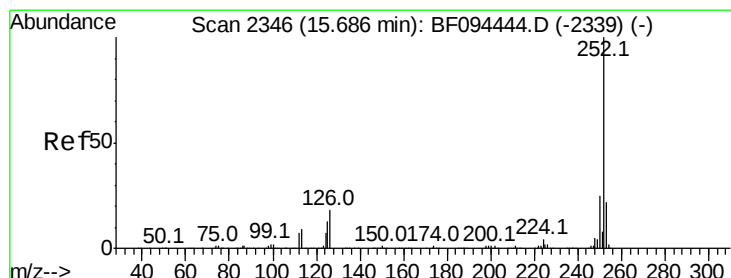
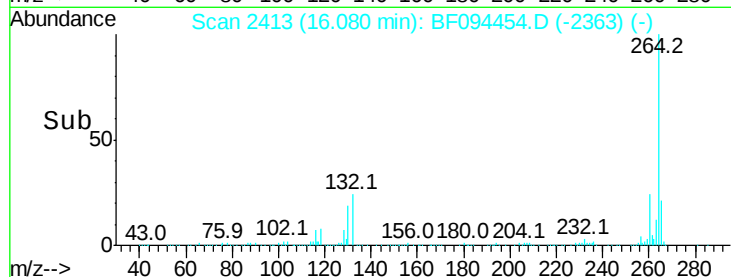
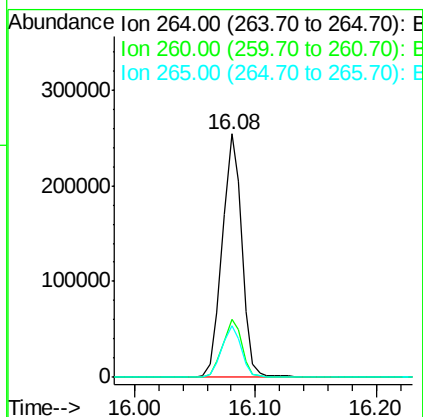
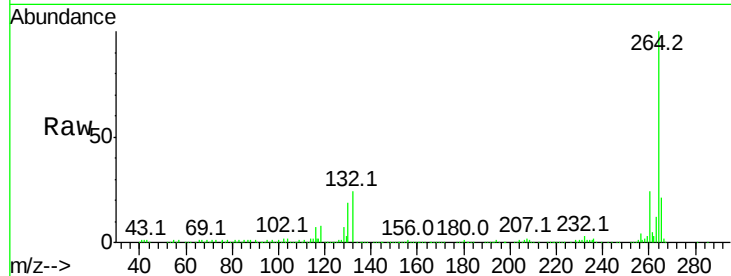




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

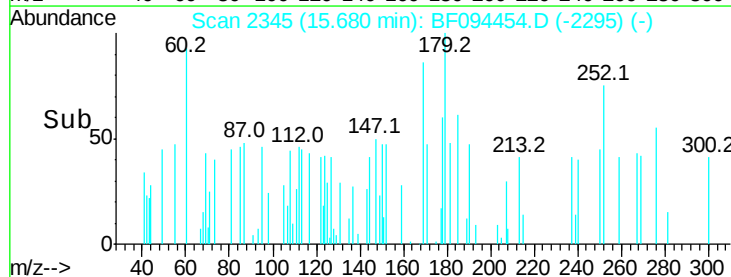
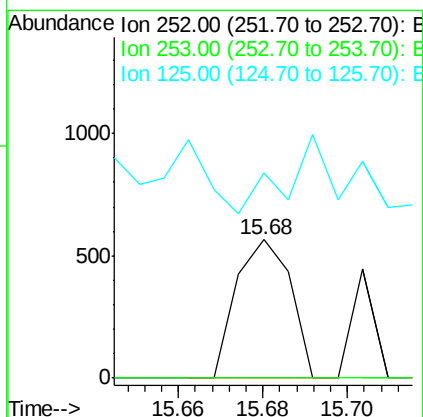
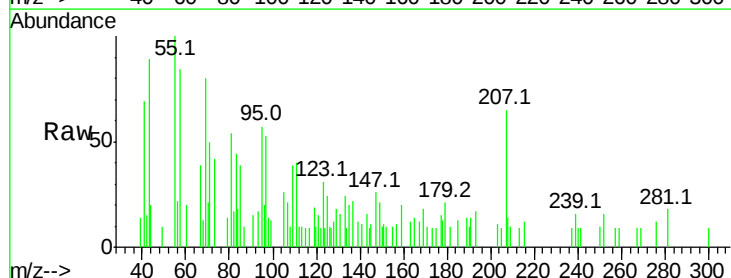
Instrument :
BNA_F
ClientSampleId :

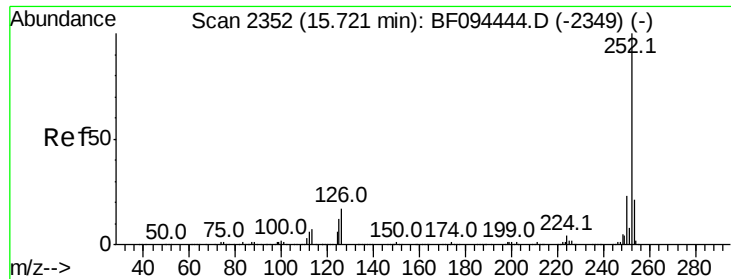
Tot Ion:264 Resp: 285100
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Tgt Ion:252 Resp: 505
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 148.4 9.8 14.8#

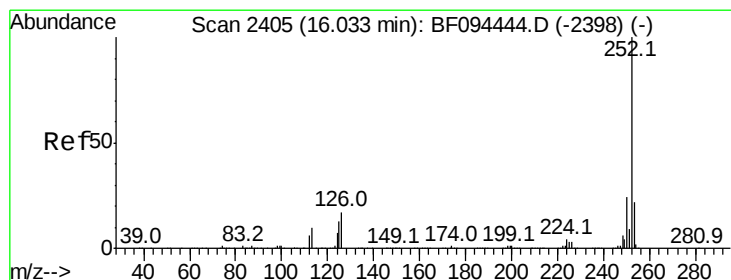
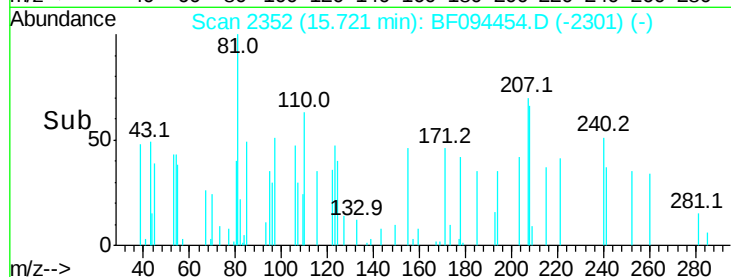
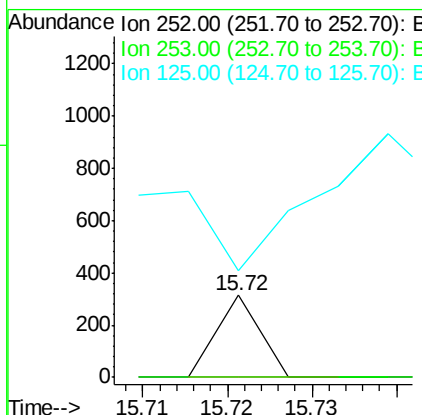
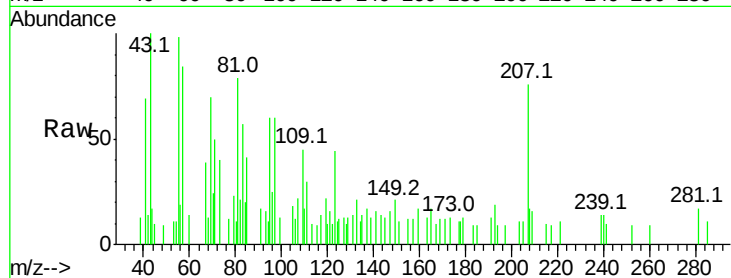




#88
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 15.72 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 111
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 129.9 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 0.03 ng
RT: 16.02 min Scan# 2402
Delta R.T. -0.02 min
Lab File: BF094454.D
Acq: 17 Apr 2017 17:29

Tgt Ion:252 Resp: 510
Ion Ratio Lower Upper
252 100
253 67.9 17.5 26.3#
125 115.5 11.0 16.4#

