

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094455.D
 Acq On : 17 Apr 2017 17:56
 Operator : SJ/MA
 Sample : I2708-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:58:33 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	147425	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	608517	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	282227	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	504964	20.00	ng	0.00
75) Chrysene-d12	14.46	240	431960	20.00	ng	0.00
86) Perylene-d12	16.08	264	304408	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.31	112	847690	95.40	ng	0.00
7) Phenol-d6	5.39	99	1132753	108.13	ng	0.00
23) Nitrobenzene-d5	6.41	82	699851	71.02	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	214146	97.01	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1269429	66.18	ng	0.00
78) Terphenyl-d14	13.20	244	1022110	63.25	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	5.40	93	602	0.04	ng	# 1
8) 2-Chlorophenol	5.53	128	916	0.09	ng	# 49
9) Benzaldehyde	5.39	77	1702	0.21	ng	# 10
10) Phenol	5.40	94	27299	2.12	ng	# 88
11) bis(2-Chloroethyl)ether	5.51	93	1242	0.13	ng	# 1
12) 1,3-Dichlorobenzene	5.93	146	121	0.01	ng	# 1
13) 1,4-Dichlorobenzene	5.93	146	121	0.01	ng	# 1
14) 1,2-Dichlorobenzene	5.93	146	121	0.01	ng	# 1
15) Benzyl Alcohol	5.93	79	11735	1.51	ng	# 48
19) n-Nitroso-di-n-propylamine	6.41	70	91970	13.25	ng	# 76
22) Acetophenone	6.23	105	127	0.01	ng	# 46
24) Nitrobenzene	6.41	77	2024	0.20	ng	# 37
25) Isophorone	6.74	82	174	0.01	ng	# 67
31) Naphthalene	7.28	128	1307	0.04	ng	# 68
45) 1,1'-Biphenyl	8.58	154	2570	0.11	ng	# 1
47) 2-Nitroaniline	9.08	65	2172	0.41	ng	# 1
49) Dimethylphthalate	9.08	163	267014	12.70	ng	# 99
50) 2,6-Dinitrotoluene	9.08	165	2999	0.64	ng	# 21
51) Acenaphthene	9.39	154	914	0.05	ng	# 4
54) Dibenzofuran	9.65	168	240	0.01	ng	# 22
55) 4-Nitrophenol	9.65	139	123	0.03	ng	# 25
56) 2,4-Dinitrotoluene	9.39	165	36477	6.30	ng	# 33
59) Diethylphthalate	9.95	149	1180	0.06	ng	# 74
62) Azobenzene	10.37	77	1170	0.06	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.36	198	458	0.14	ng	# 1
65) n-Nitrosodiphenylamine	10.37	169	7625	0.43	ng	# 41
70) Phenanthrene	11.24	178	3695	0.13	ng	# 93
71) Anthracene	11.24	178	3695	0.13	ng	# 93
72) Carbazole	11.52	167	226	0.01	ng	# 58
73) Di-n-butylphthalate	11.97	149	3978	0.13	ng	# 90
74) Fluoranthene	12.70	202	5229	0.18	ng	# 95
77) Pyrene	12.70	202	4579	0.15	ng	# 96
80) Benzo(a)anthracene	14.44	228	2962	0.12	ng	# 95
82) Chrysene	14.44	228	2962	0.13	ng	# 92

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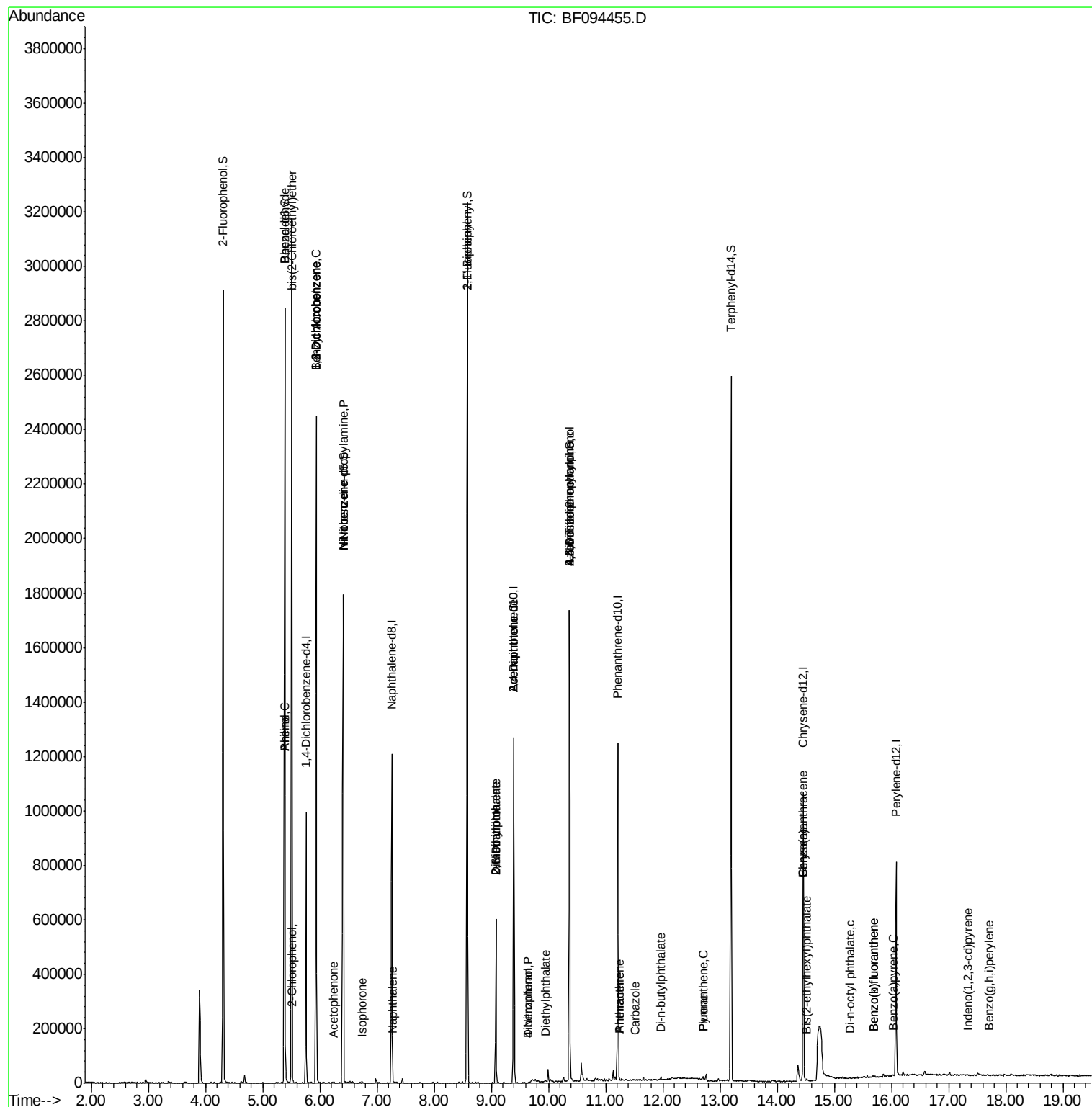
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	14.52	149	2331	0.13	nq	# 91
84) Di-n-octyl phthalate	15.27	149	404	0.01	nq	# 21
85) Indeno(1,2,3-cd)pyrene	17.34	276	493	0.02	nq	# 44
87) Benzo(b)fluoranthene	15.69	252	2569	0.14	nq	# 59
88) Benzo(k)fluoranthene	15.69	252	2569	0.15	nq	# 56
89) Benzo(a)pyrene	16.02	252	1229	0.07	nq	# 36
91) Benzo(q,h,i)perylene	17.72	276	690	0.05	nq	# 56

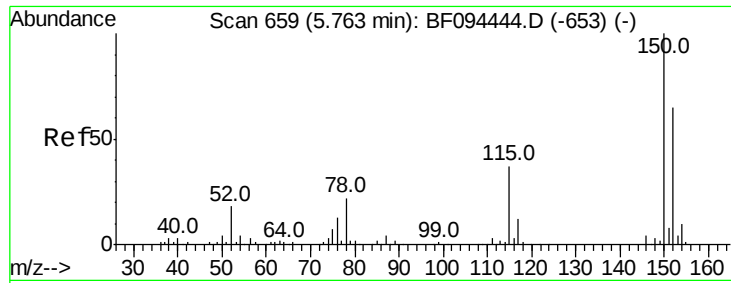
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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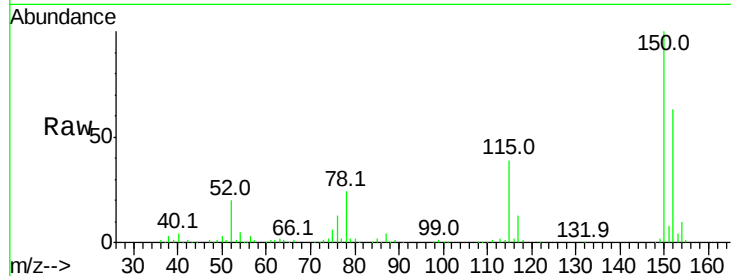


#1

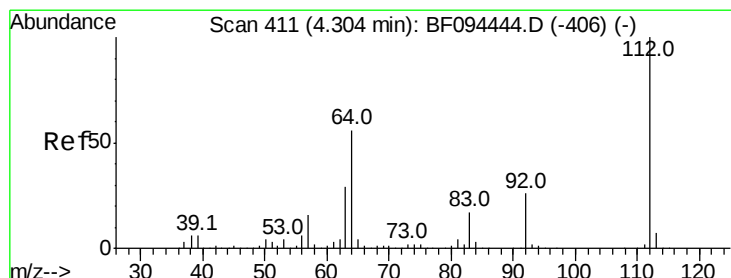
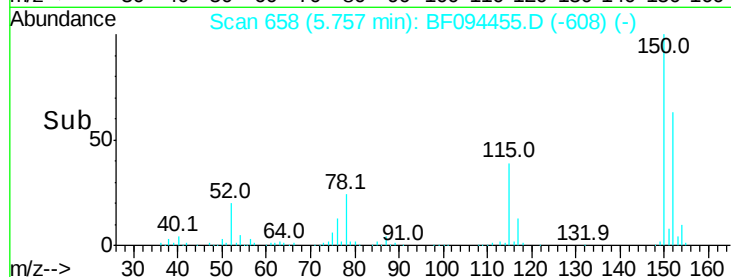
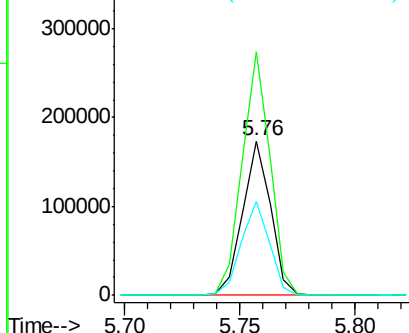
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147425
Ion Ratio Lower Upper
152 100
150 157.5 126.2 189.2
115 60.9 52.2 78.2



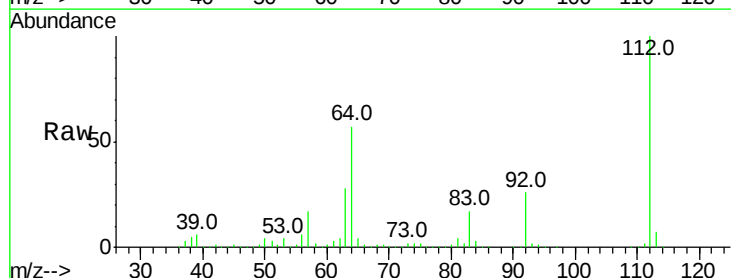
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



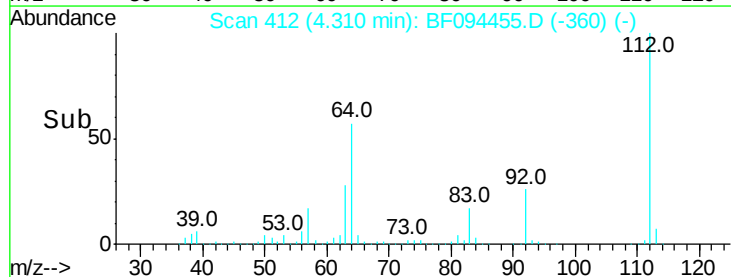
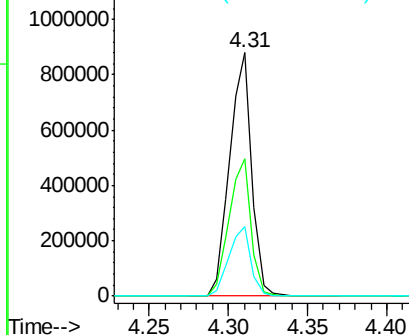
#5

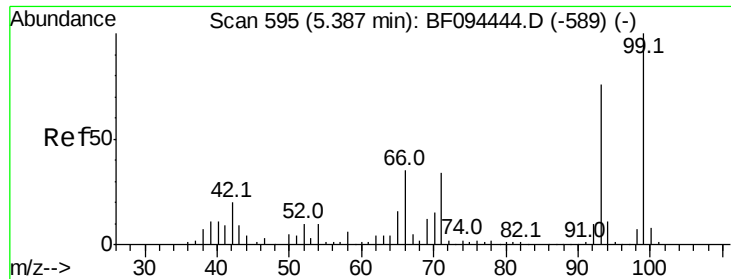
2-Fluorophenol
Concen: 95.40 ng
RT: 4.31 min Scan# 412
Delta R.T. 0.01 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Tgt Ion:112 Resp: 847690
Ion Ratio Lower Upper
112 100
64 56.5 46.0 69.0
63 28.5 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: 0.04 ng

RT: 5.40 min Scan# 597

Delta R.T. 0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampled :

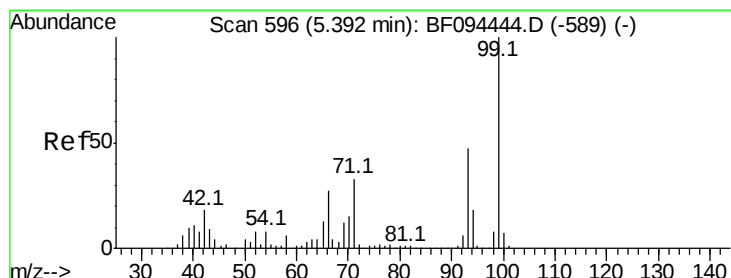
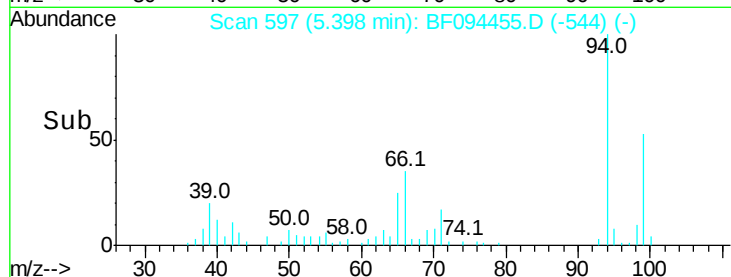
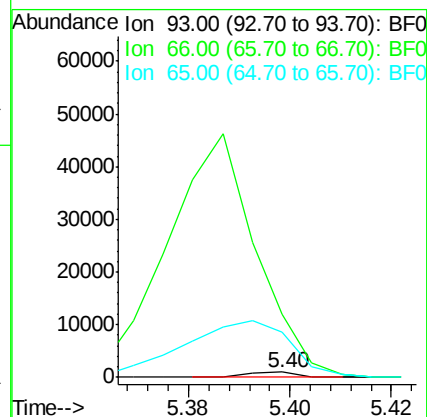
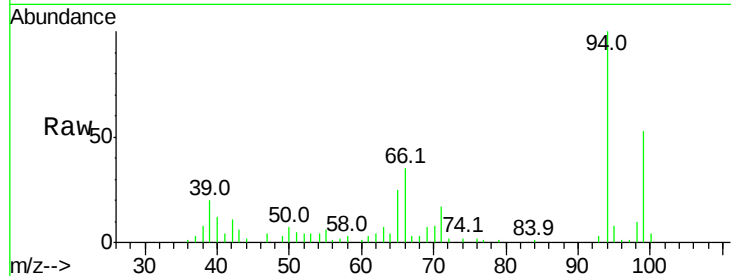
Tot Ion: 93 Resp: 602

Ion Ratio Lower Upper

93 100

66 1241.9 32.9 49.3#

65 882.3 16.0 24.0#



#7

Phenol-d6

Concen: 108.13 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

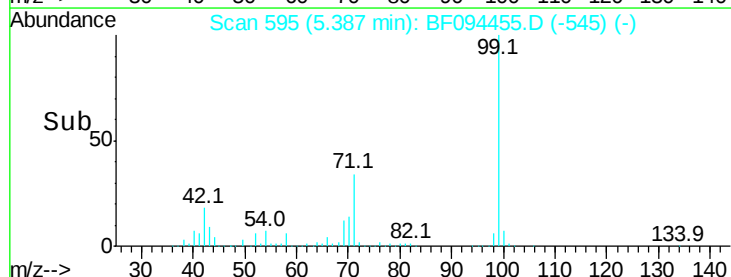
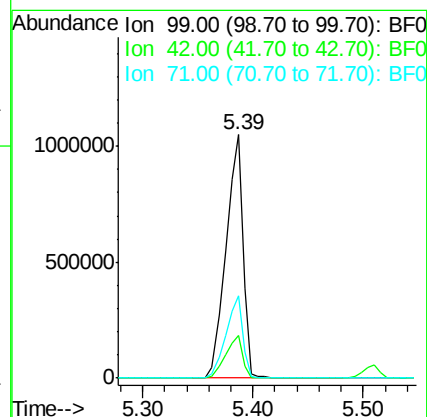
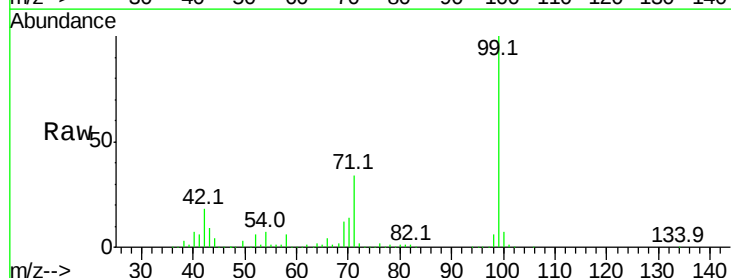
Tgt Ion: 99 Resp: 1132753

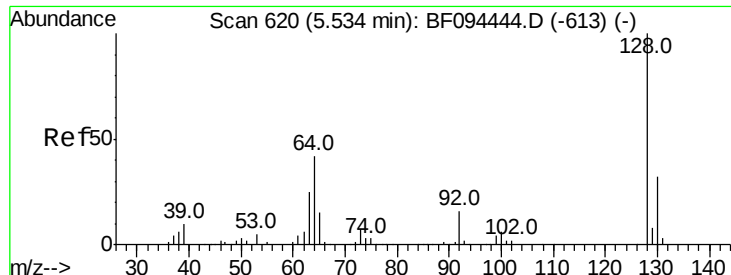
Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 33.6 24.5 36.7





#8

2-Chlorophenol

Concen: 0.09 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

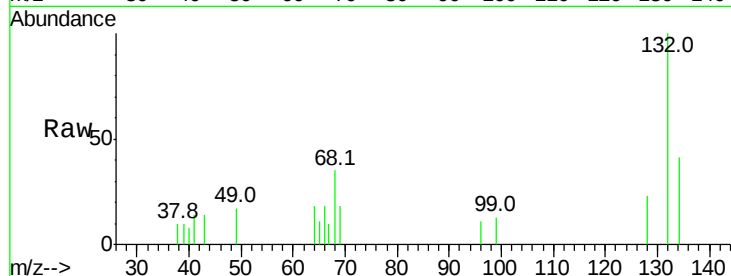
Tot Ion:128 Resp: 916

Ion Ratio Lower Upper

128 100

130 0.0 12.9 52.9#

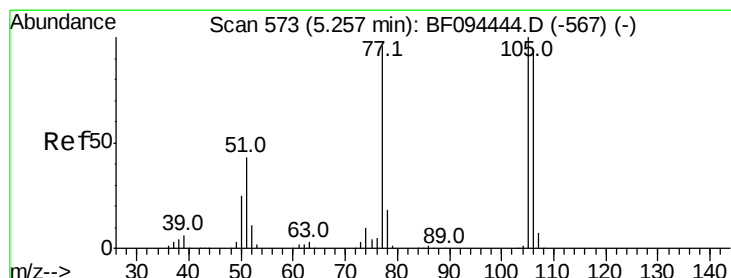
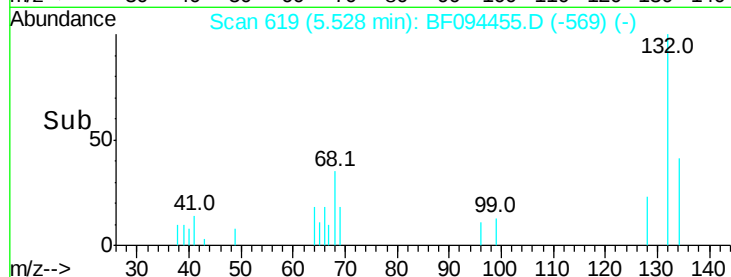
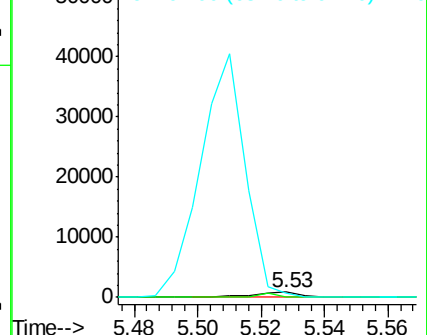
64 79.5 28.4 68.4#



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: 0.21 ng

RT: 5.39 min Scan# 595

Delta R.T. 0.13 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

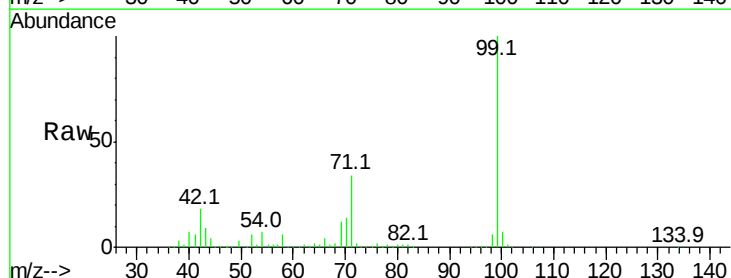
Tgt Ion: 77 Resp: 1702

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

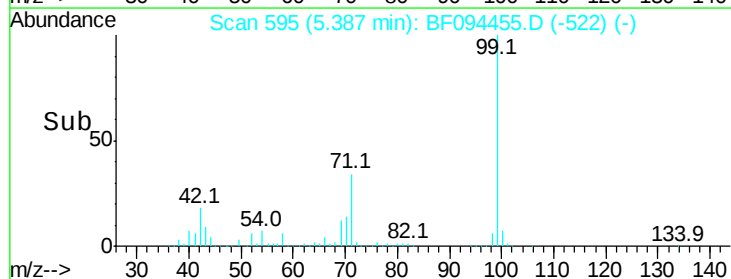
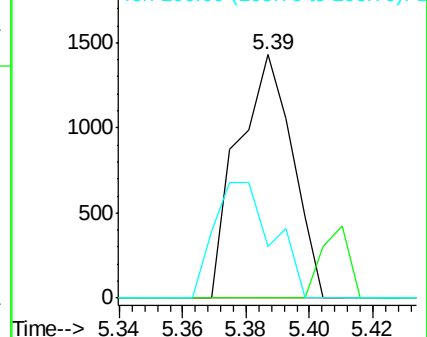
106 21.5 79.1 119.1#

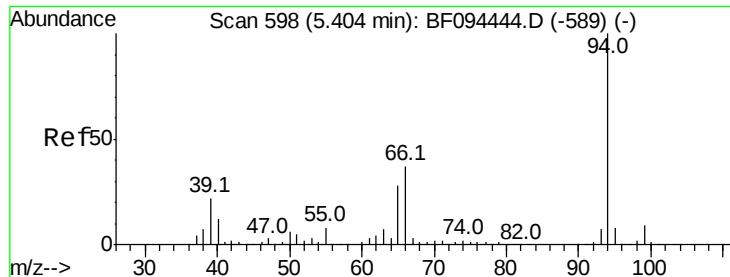


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.12 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

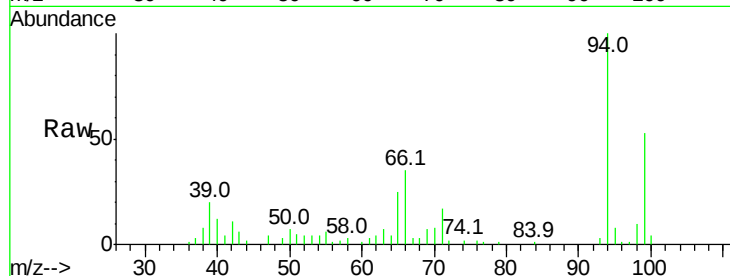
Tot Ion: 94 Resp: 27299

Ion Ratio Lower Upper

94 100

65 24.7 9.9 49.9

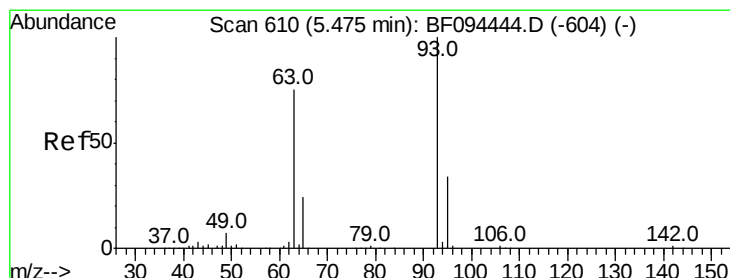
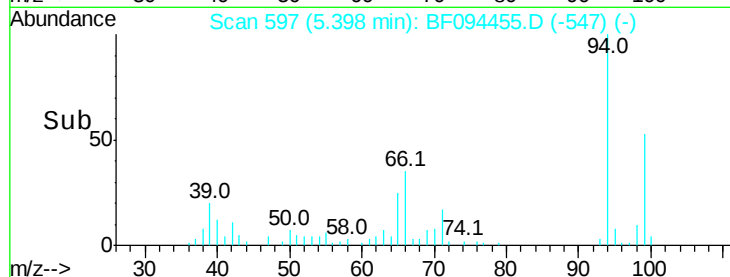
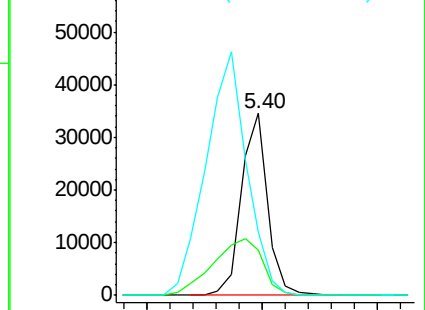
66 34.7 23.1 63.1



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: 5.51 min Scan# 616

Delta R.T. 0.04 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

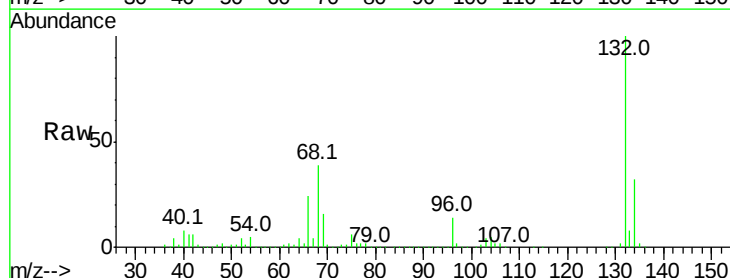
Tgt Ion: 93 Resp: 1242

Ion Ratio Lower Upper

93 100

63 604.3 59.2 99.2#

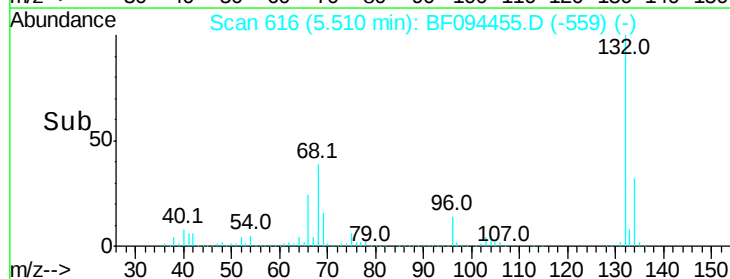
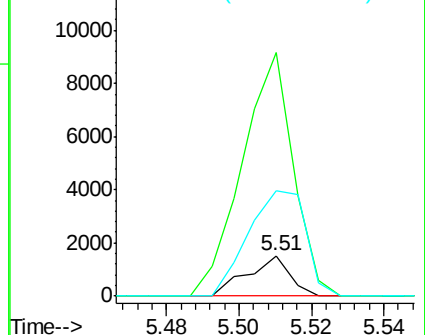
95 261.3 12.8 52.8#

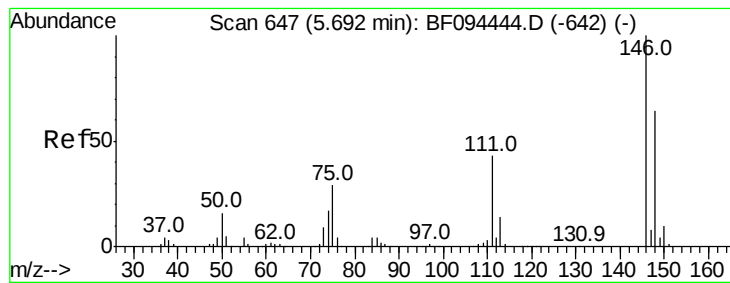


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 0.01 ng

RT: 5.93 min Scan# 688

Delta R.T. 0.24 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :
BNA_F
ClientSampled :

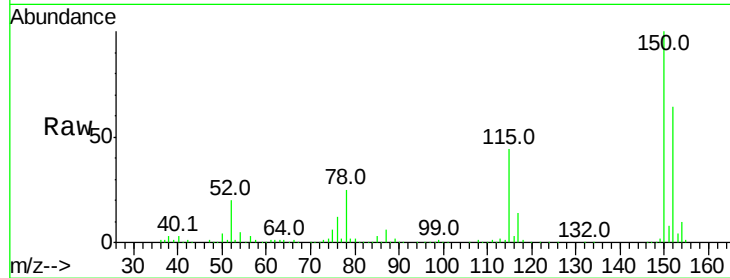
Tot Ion:146 Resp: 121

Ion Ratio Lower Upper

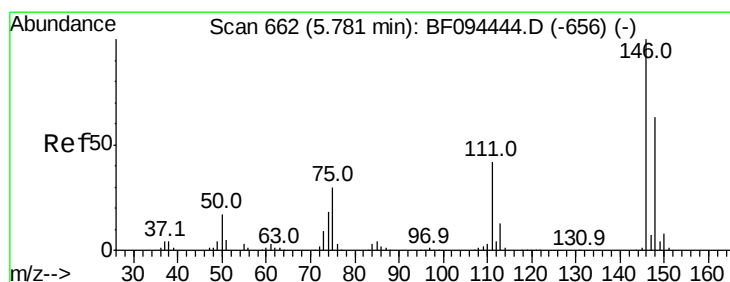
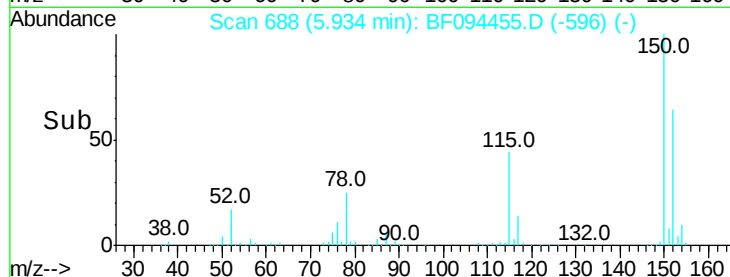
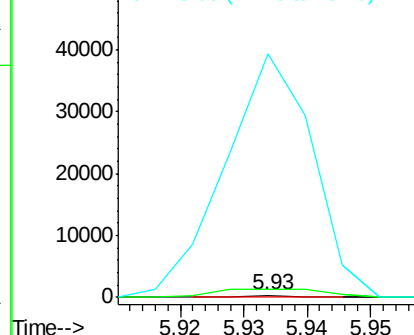
146 100

148 359.1 51.8 77.6#

75 11515.8 23.1 34.7#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 5.93 min Scan# 688

Delta R.T. 0.15 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

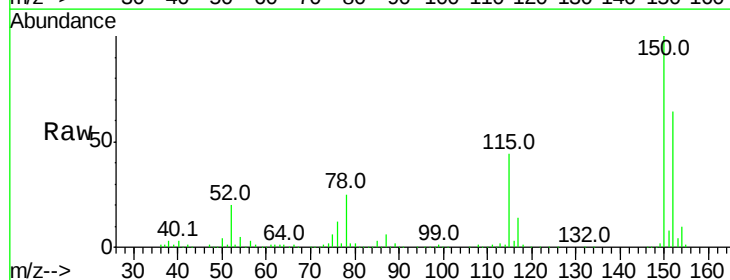
Tgt Ion:146 Resp: 121

Ion Ratio Lower Upper

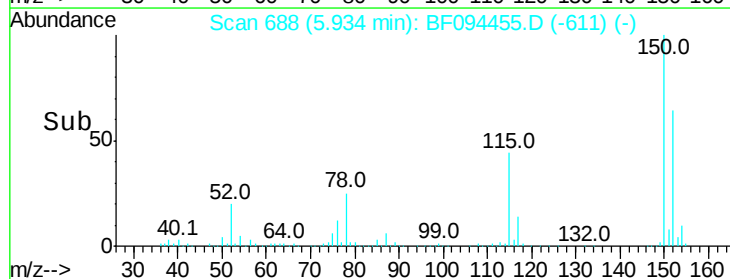
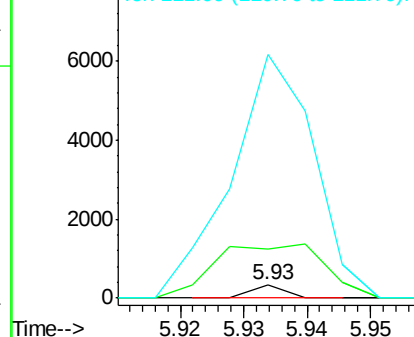
146 100

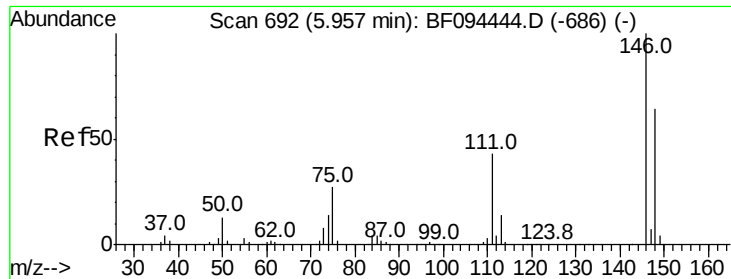
148 359.1 52.2 78.2#

111 1804.7 30.3 45.5#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.01 ng

RT: 5.93 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

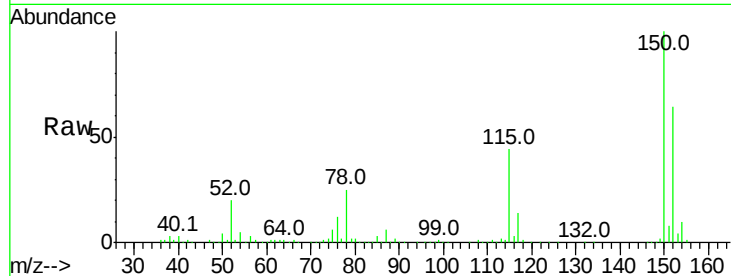
Instrument :

BNA_F

ClientSampleId :

Tot Ion:146 Resp: 121

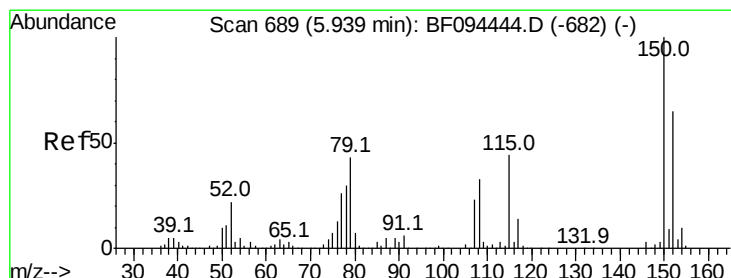
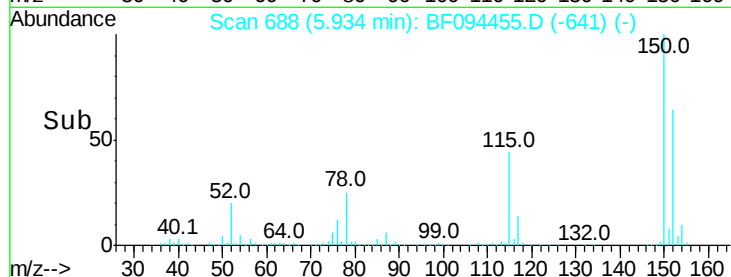
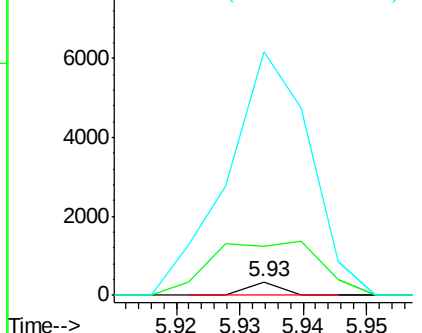
Ion	Ratio	Lower	Upper
146	100		
148	359.1	50.4	75.6#
111	1804.7	38.2	57.4#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 1.51 ng

RT: 5.93 min Scan# 688

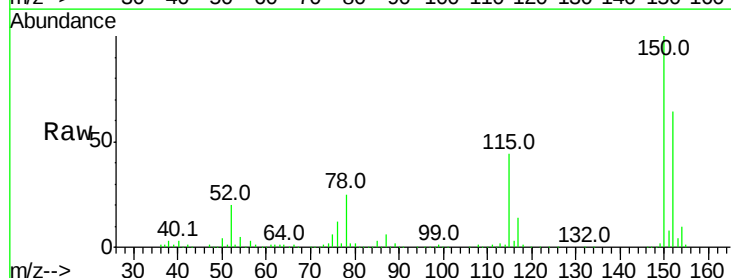
Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Tgt Ion: 79 Resp: 11735

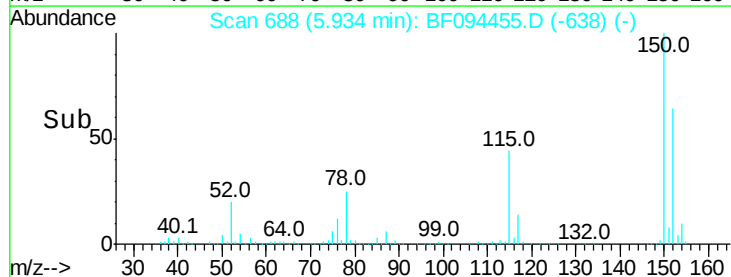
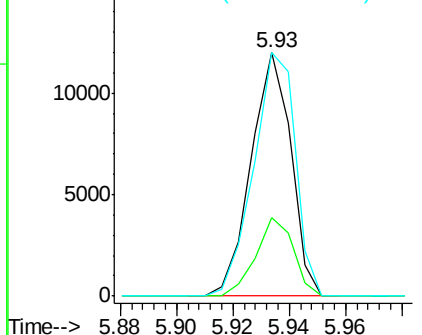
Ion	Ratio	Lower	Upper
79	100		
108	32.3	63.4	95.0#
77	99.8	49.2	73.8#

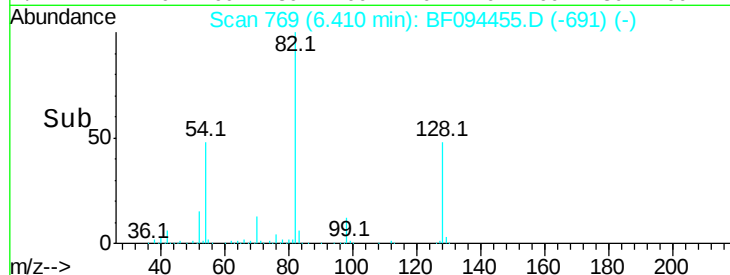
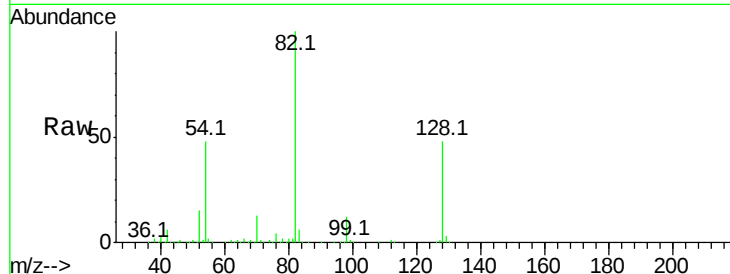
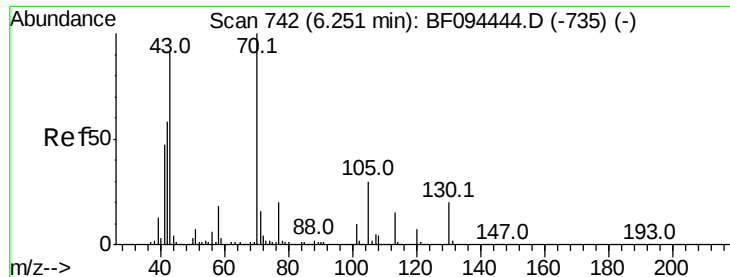


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

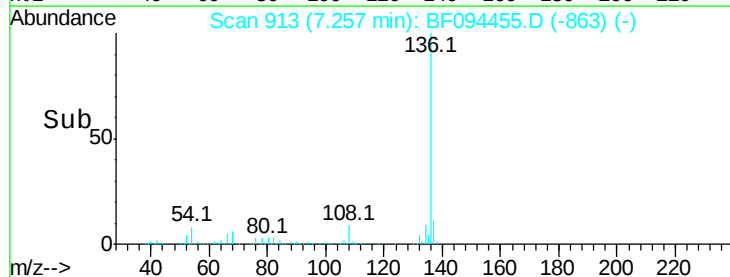
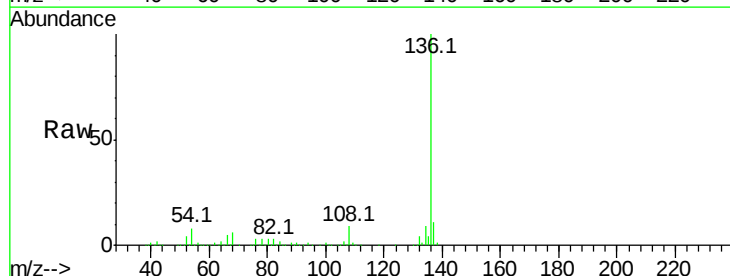
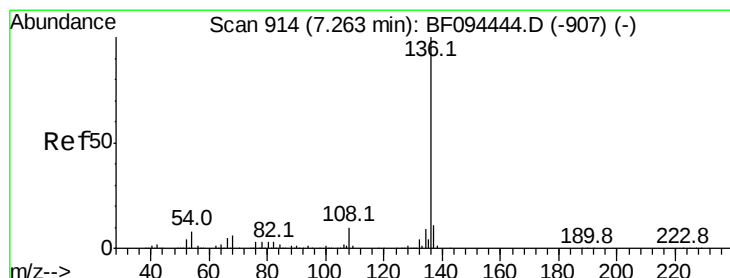
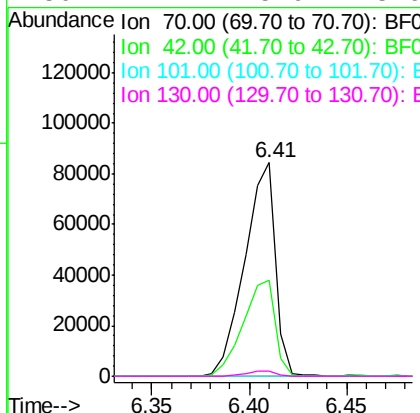




#19
n-Nitroso-di-n-propylamine
Concen: 13.25 ng
RT: 6.41 min Scan# 769
Delta R.T. 0.16 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

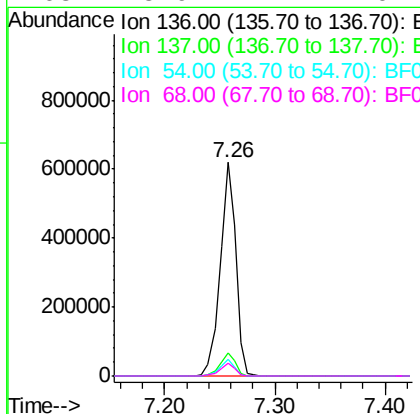
Instrument :
BNA_F
ClientSampleId :

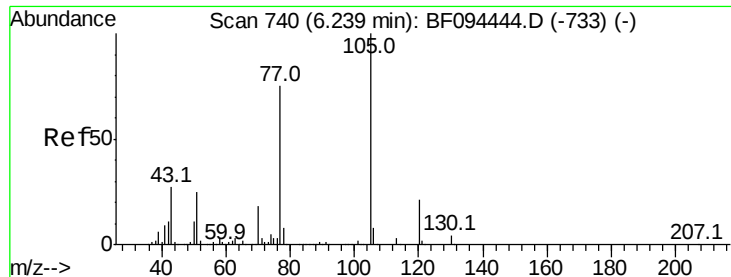
Tot Ion: 70 Resp: 91970
Ion Ratio Lower Upper
70 100
42 44.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Tgt Ion: 136 Resp: 608517
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.5 4.9 7.3#
68 5.9 4.1 6.1





#22

Acetophenone

Concen: 0.01 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 127

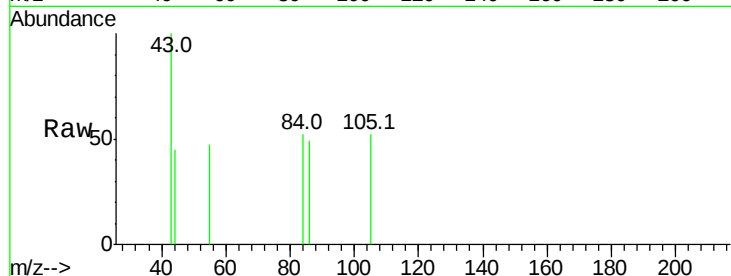
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#



Abundance Ion 105.00 (104.70 to 105.70): E

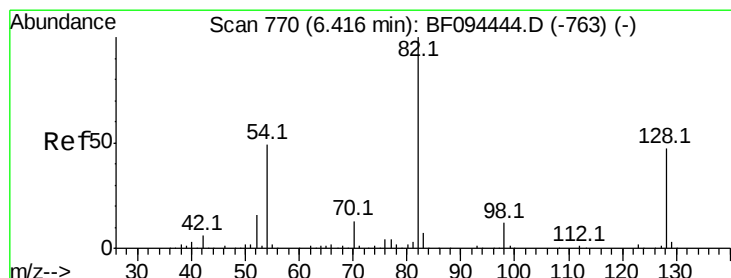
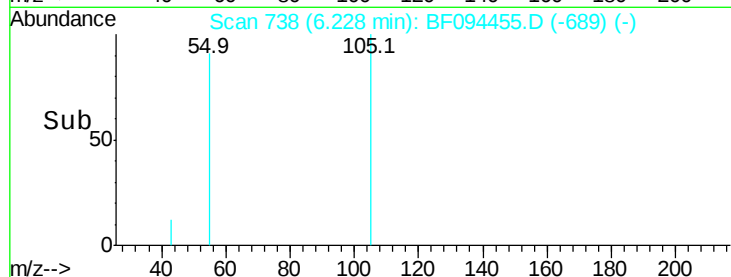
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

6.23

Time-->



#23

Nitrobenzene-d5

Concen: 71.02 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

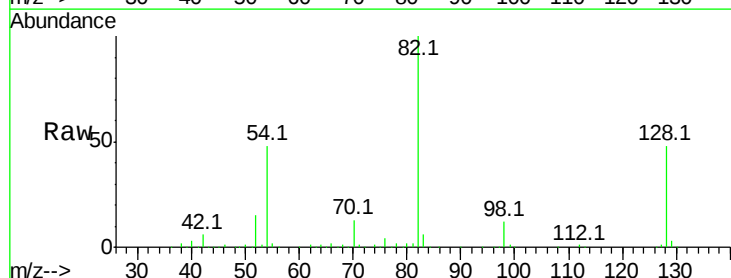
Tgt Ion: 82 Resp: 699851

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

54 48.0 42.2 63.2



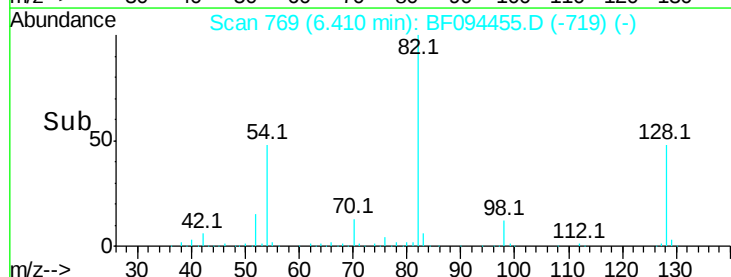
Abundance Ion 82.00 (81.70 to 82.70): BF0

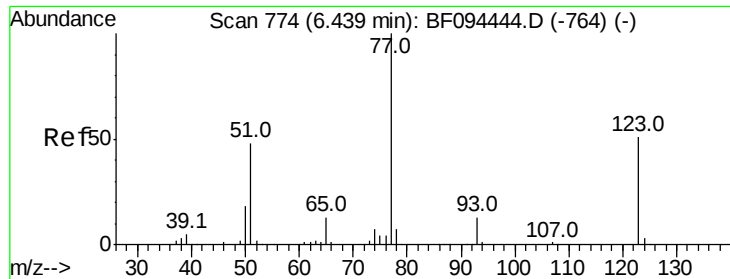
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

6.41

Time-->

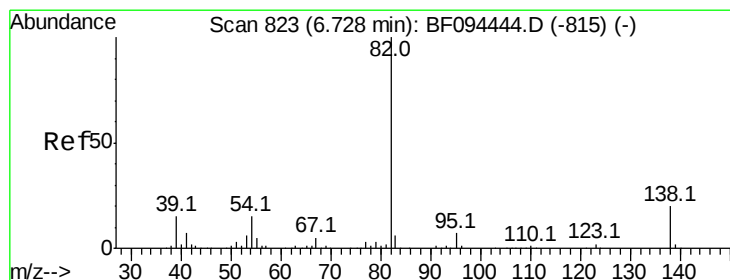
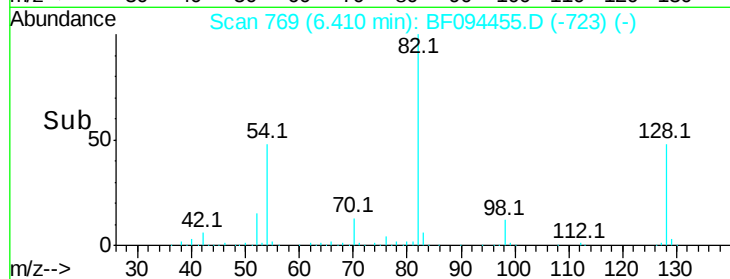
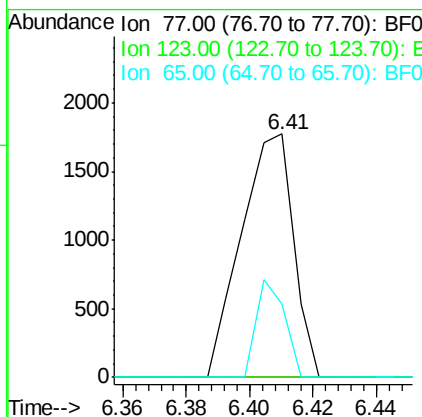
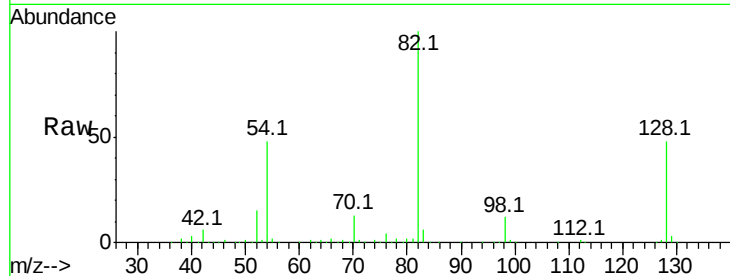




#24
Nitrobenzene
Concen: 0.20 ng
RT: 6.41 min Scan# 769
Delta R.T. -0.03 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

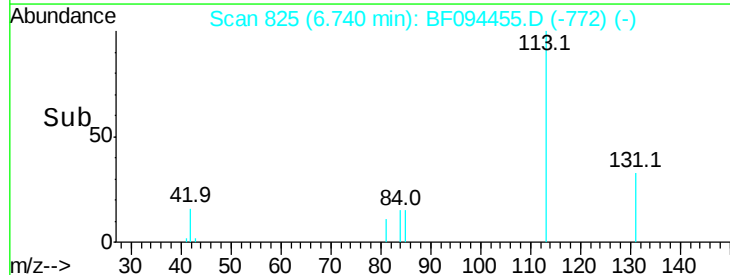
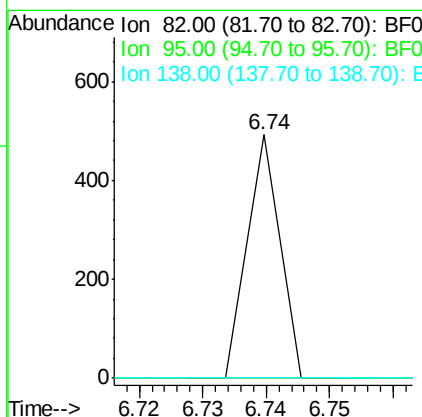
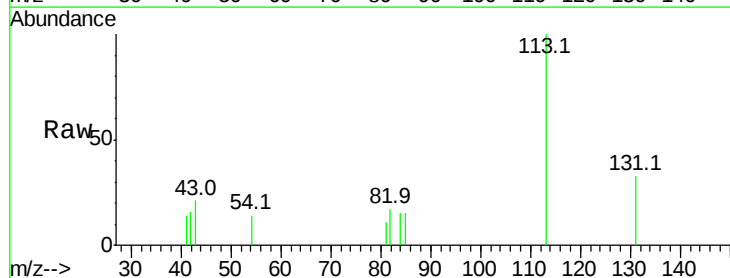
Instrument :
BNA_F
ClientSampled :

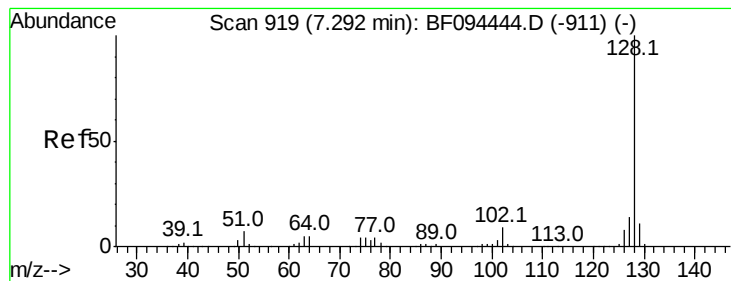
Tot Ion: 77 Resp: 2024
Ion Ratio Lower Upper
77 100
123 0.0 35.8 53.8#
65 30.2 10.6 15.8#



#25
Isophorone
Concen: 0.01 ng
RT: 6.74 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Tgt Ion: 82 Resp: 174
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 0.04 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

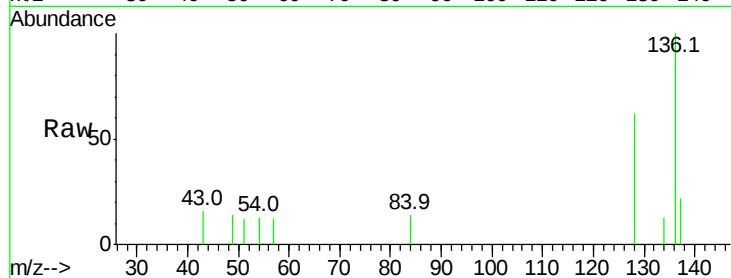
Tot Ion:128 Resp: 1307

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.6#

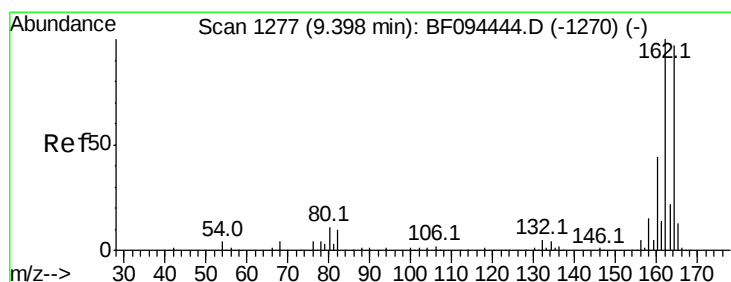
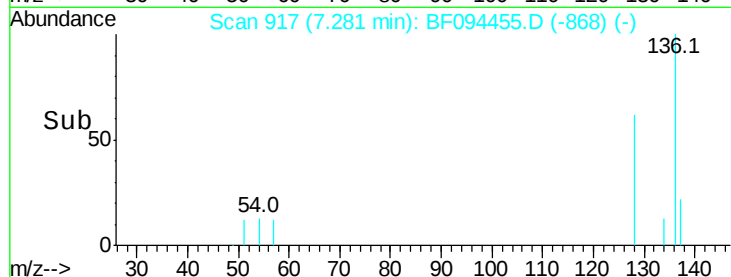
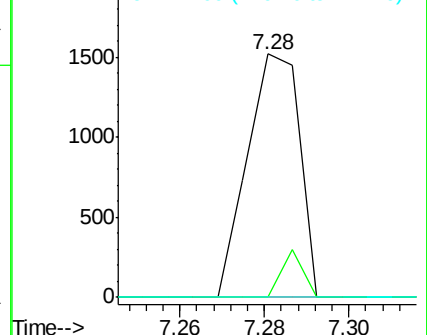
127 0.0 10.8 16.2#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

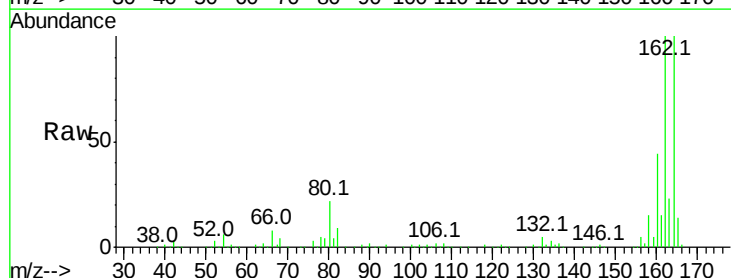
Tgt Ion:164 Resp: 282227

Ion Ratio Lower Upper

164 100

162 100.4 82.6 123.8

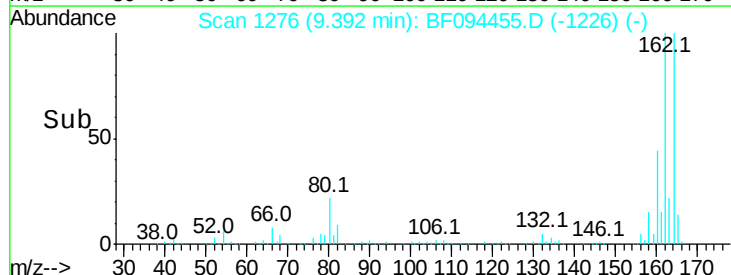
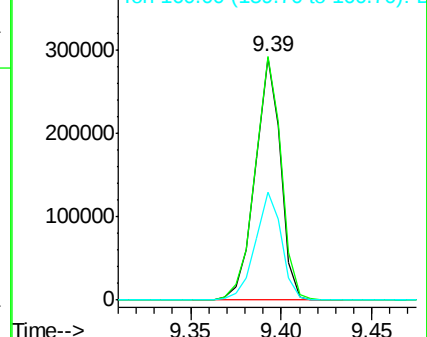
160 44.6 36.2 54.2

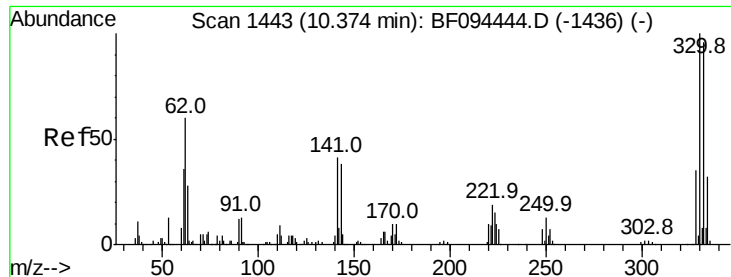


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

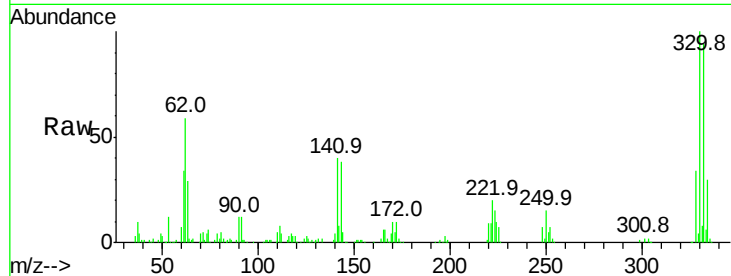




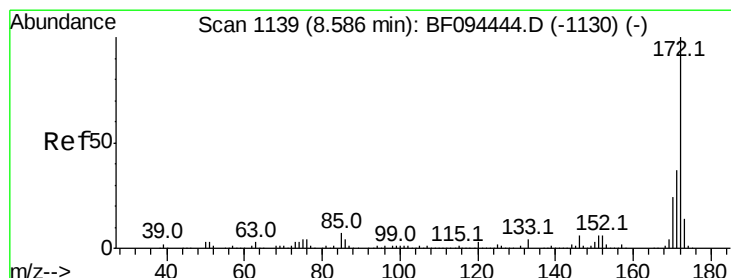
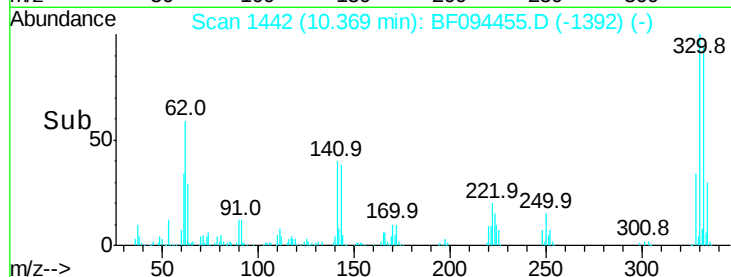
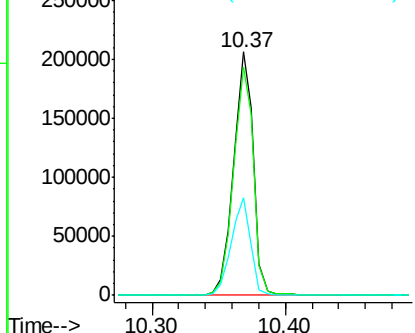
#41
 2,4,6-Tribromophenol
 Concen: 97.01 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF094455.D
 Acq: 17 Apr 2017 17:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 214146
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 39.7 31.4 47.2

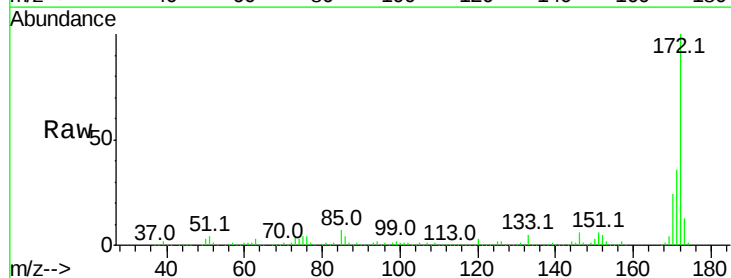


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

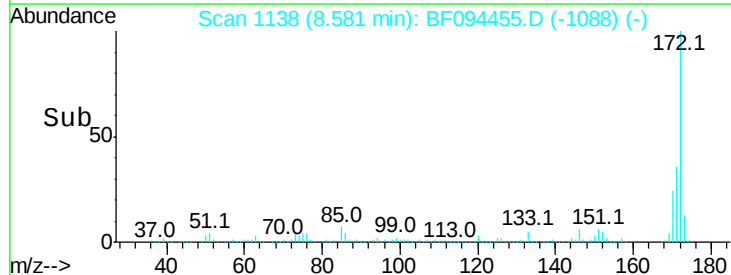
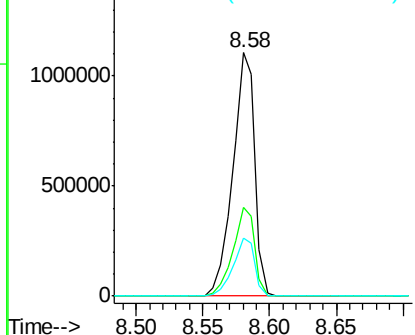


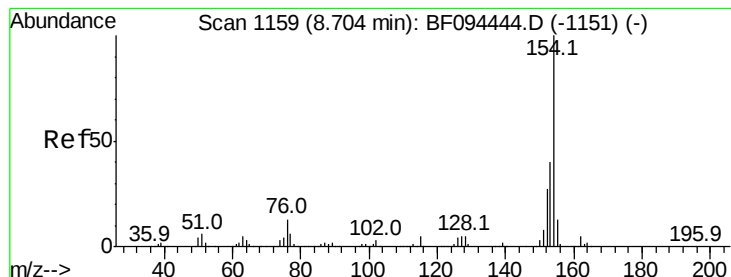
#44
 2-Fluorobiphenyl
 Concen: 66.18 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094455.D
 Acq: 17 Apr 2017 17:56

Tgt Ion:172 Resp: 1269429
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.7 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 0.11 ng

RT: 8.58 min Scan# 1138

Delta R.T. -0.12 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

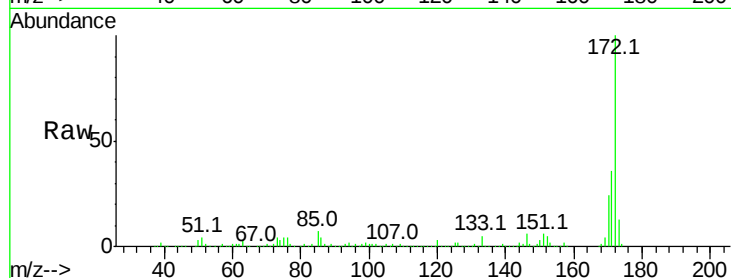
Tot Ion:154 Resp: 2570

Ion Ratio Lower Upper

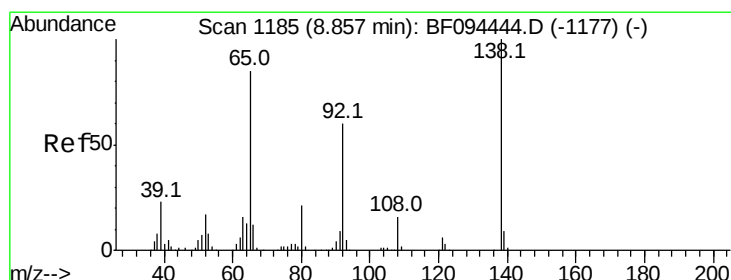
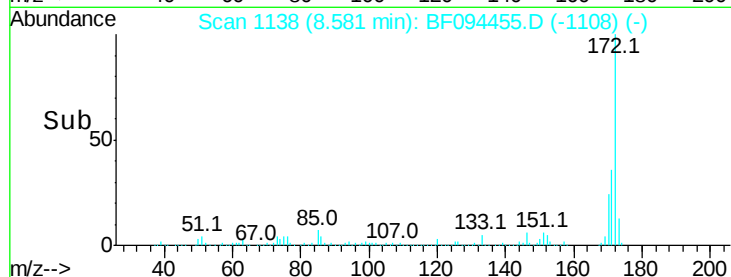
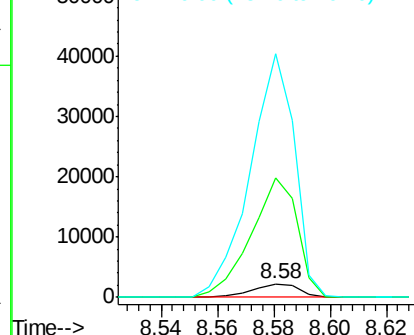
154 100

153 872.2 21.2 61.2#

76 1785.8 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: 0.41 ng

RT: 9.08 min Scan# 1223

Delta R.T. 0.22 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

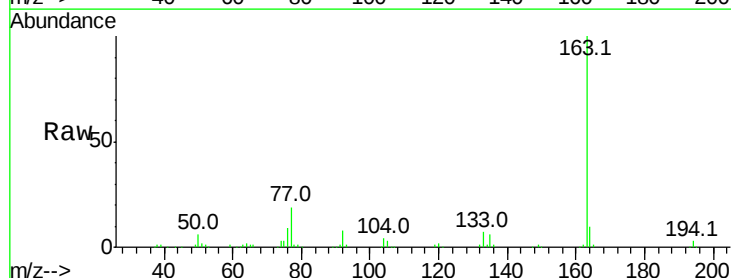
Tgt Ion: 65 Resp: 2172

Ion Ratio Lower Upper

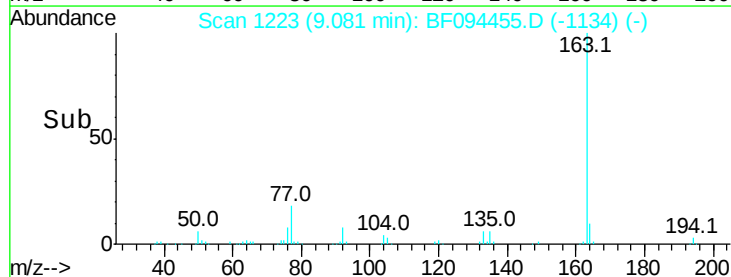
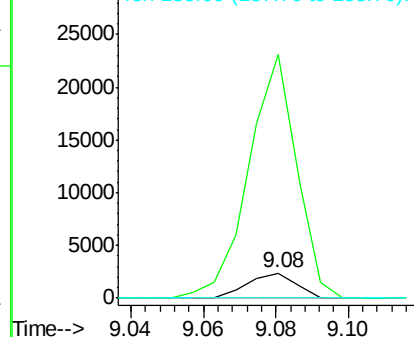
65 100

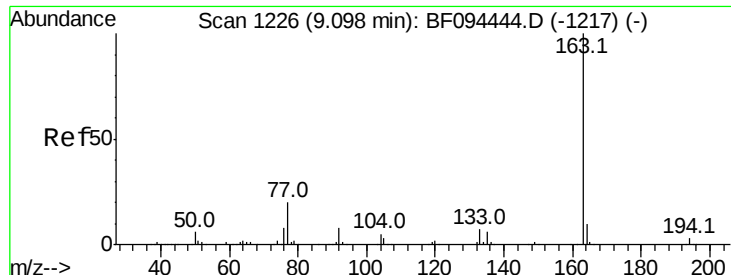
92 974.2 53.9 80.9#

138 0.0 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 12.70 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

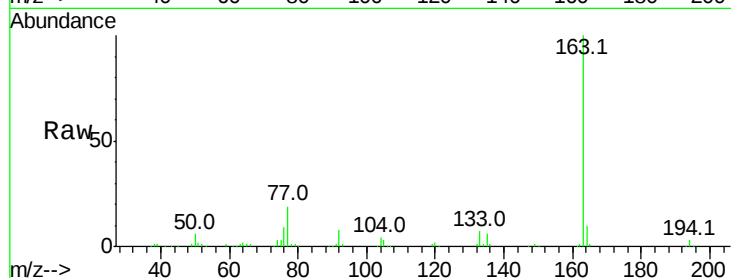
Tot Ion:163 Resp: 267014

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

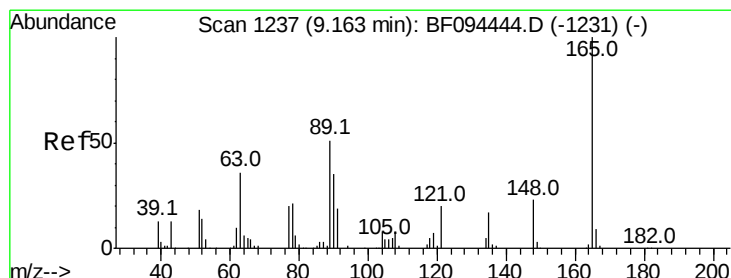
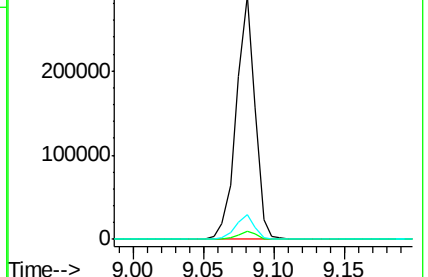
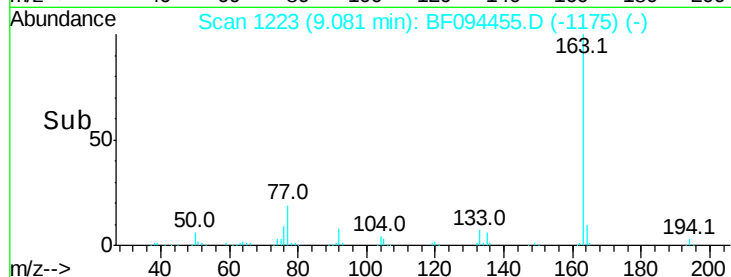
164 10.1 8.4 12.6



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: 0.64 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.08 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

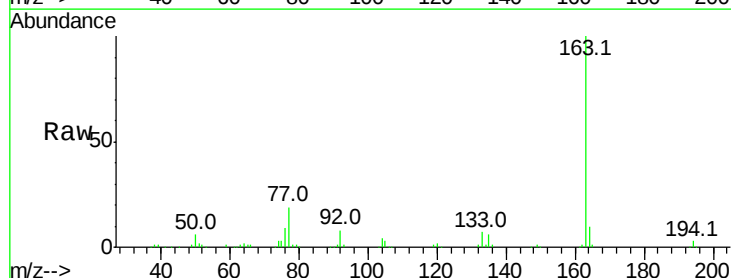
Tgt Ion:165 Resp: 2999

Ion Ratio Lower Upper

165 100

63 112.5 34.3 51.5#

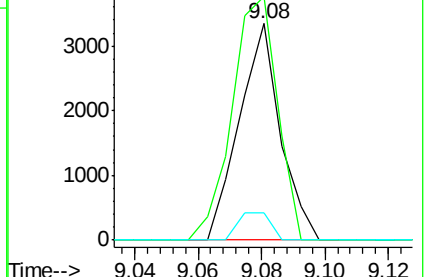
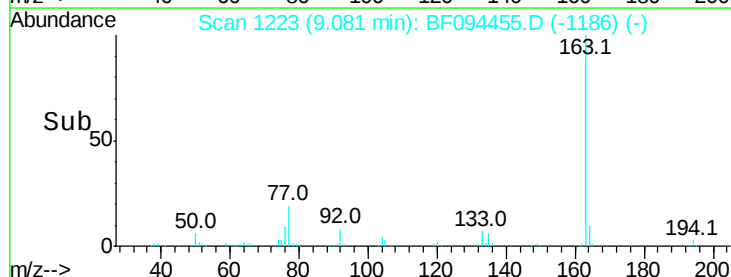
89 12.5 37.1 55.7#

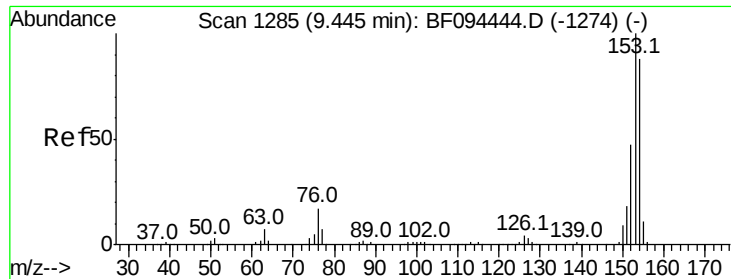


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.05 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.05 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

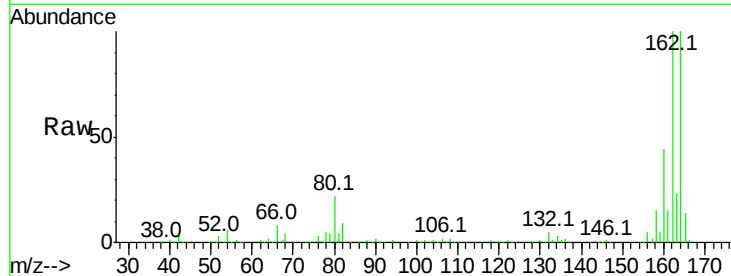
Tot Ion:154 Resp: 914

Ion Ratio Lower Upper

154 100

153 0.0 90.5 135.7#

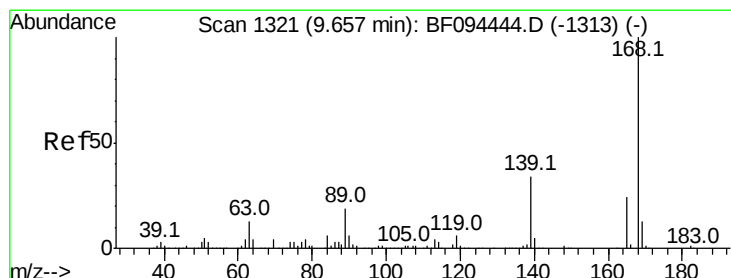
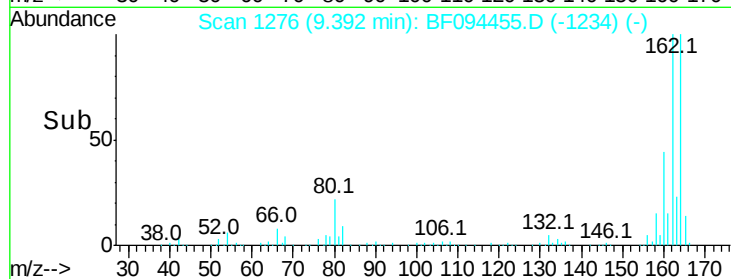
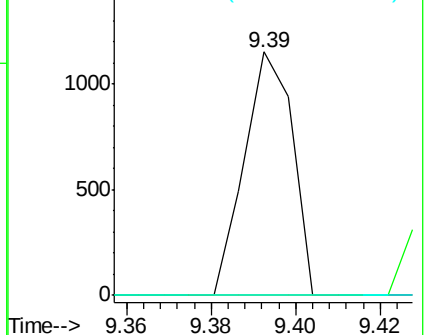
152 0.0 43.6 65.4#



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: 0.01 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

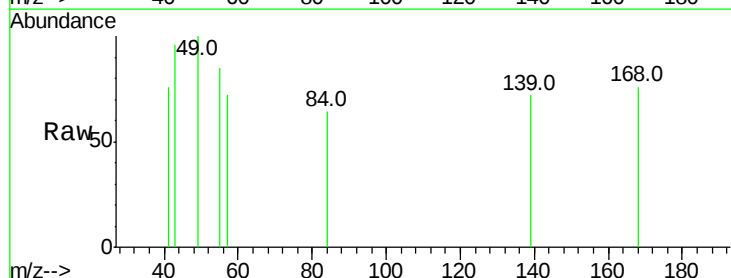
Tgt Ion:168 Resp: 240

Ion Ratio Lower Upper

168 100

139 95.1 30.6 45.8#

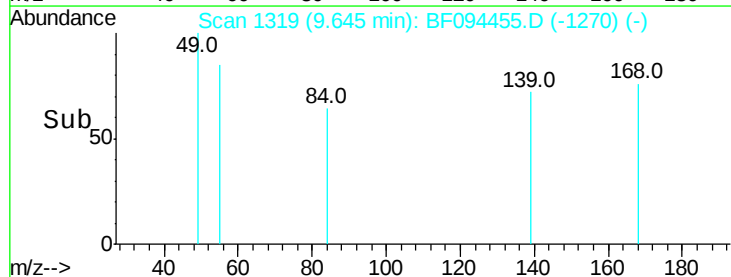
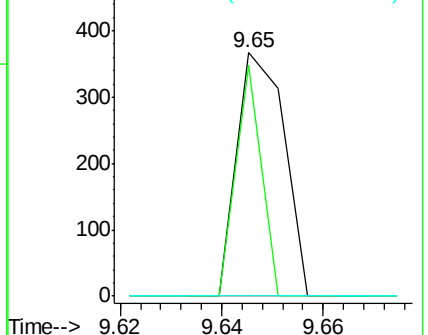
169 0.0 10.8 16.2#

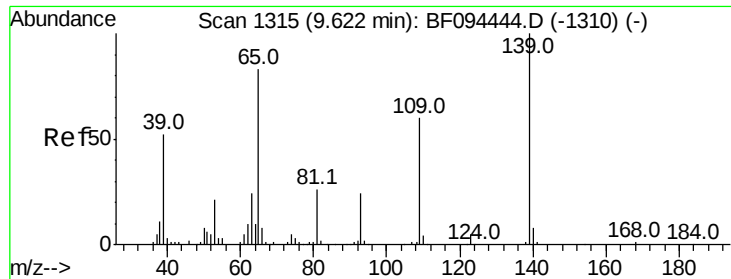


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

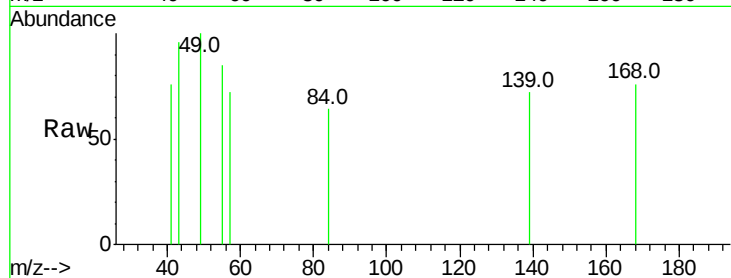




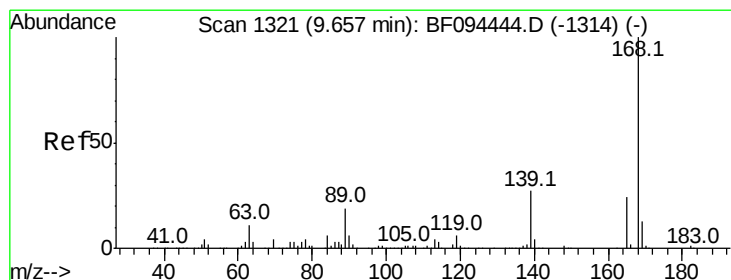
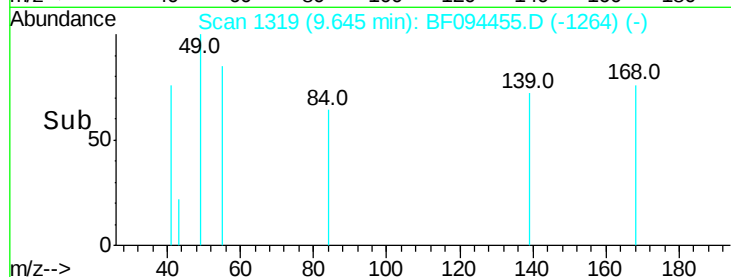
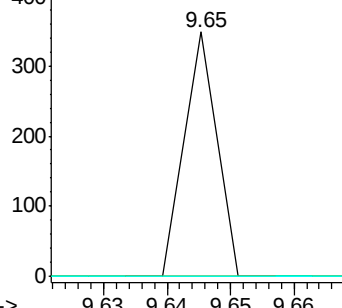
#55
4-Nitrophenol
Concen: 0.03 ng
RT: 9.65 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 123
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

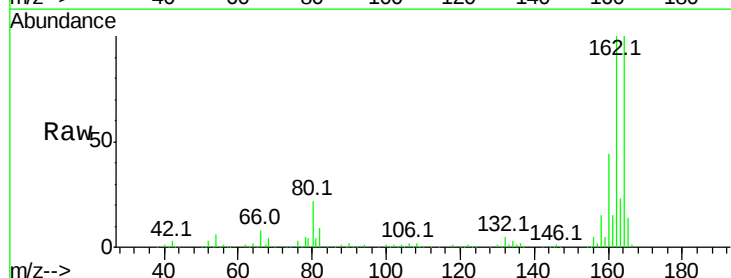


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

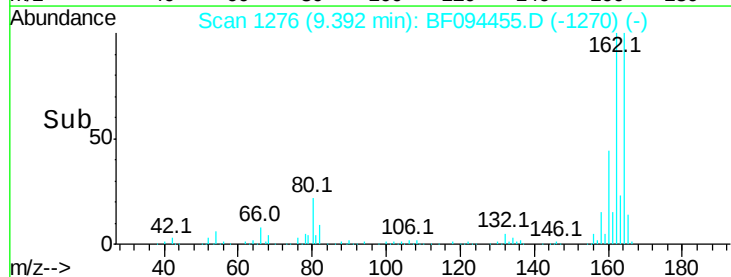
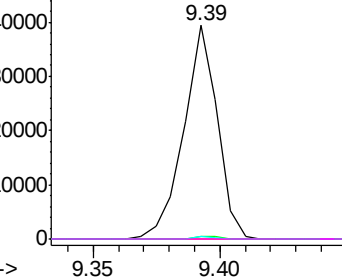


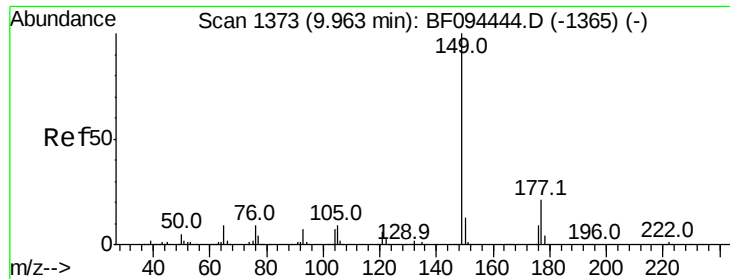
#56
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.26 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Tgt Ion:165 Resp: 36477
Ion Ratio Lower Upper
165 100
63 1.3 25.4 38.0#
89 1.4 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: 0.06 ng

RT: 9.95 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

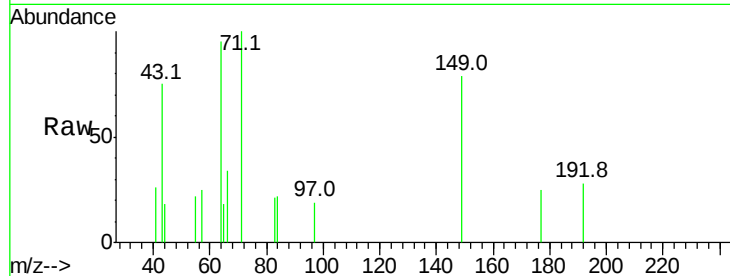
Tot Ion:149 Resp: 1180

Ion Ratio Lower Upper

149 100

177 31.6 16.7 25.1#

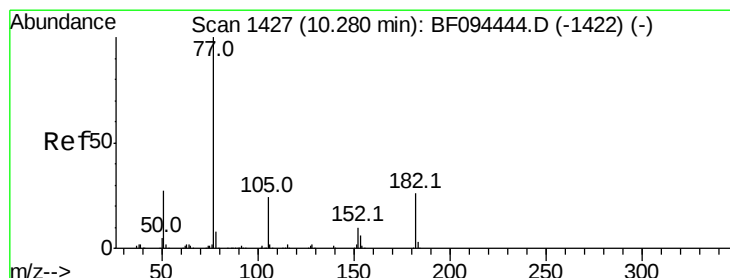
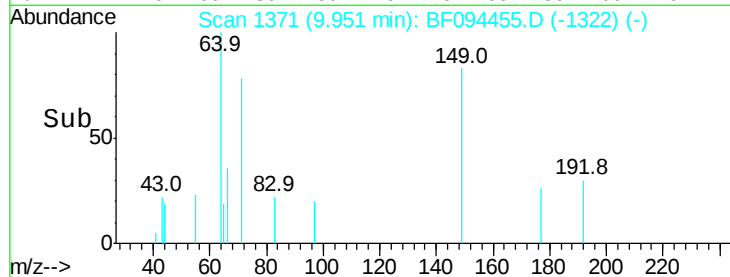
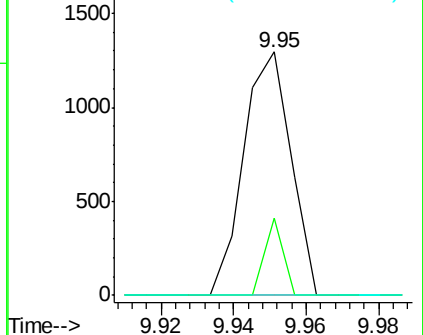
150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 0.06 ng

RT: 10.37 min Scan# 1442

Delta R.T. 0.09 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Tgt Ion: 77 Resp: 1170

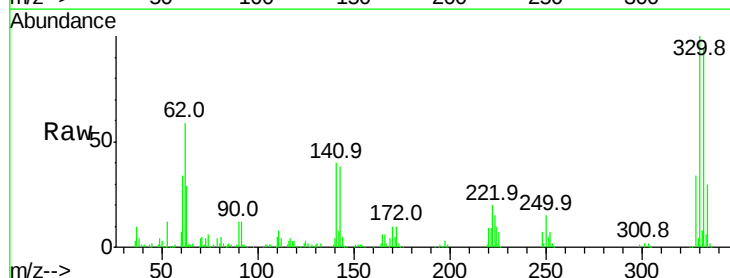
Ion Ratio Lower Upper

77 100

182 0.0 0.1 40.1#

105 71.5 3.6 43.6#

51 69.8 9.4 49.4#

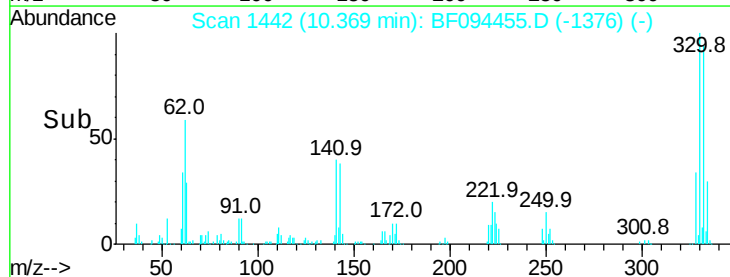
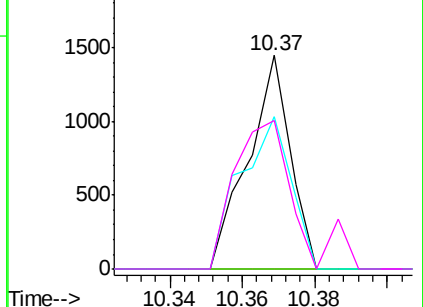


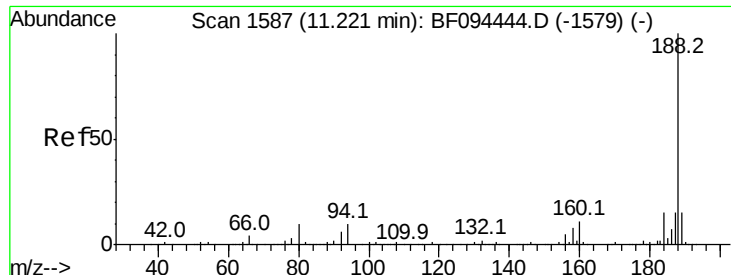
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

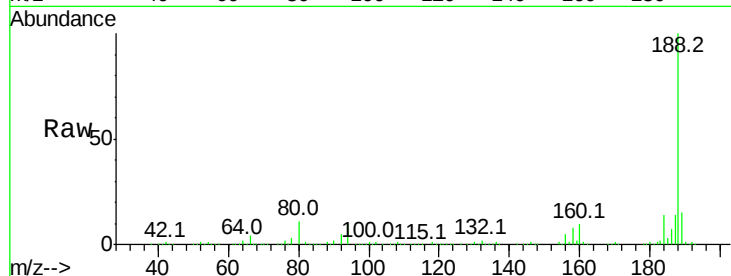




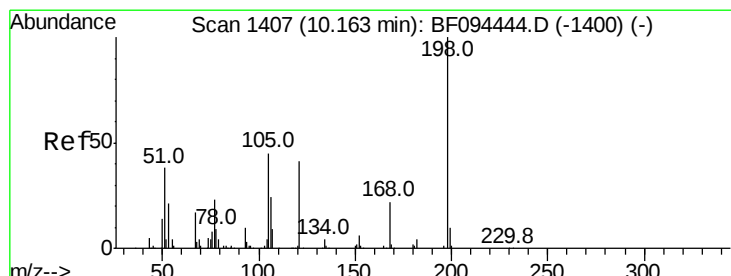
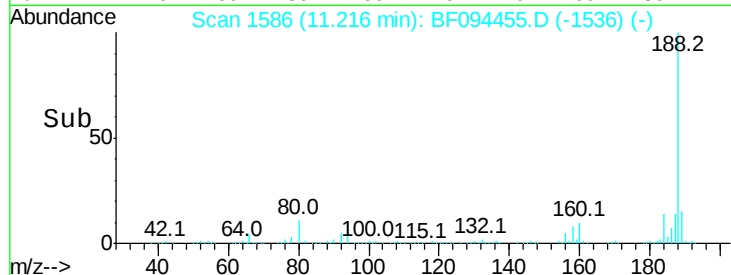
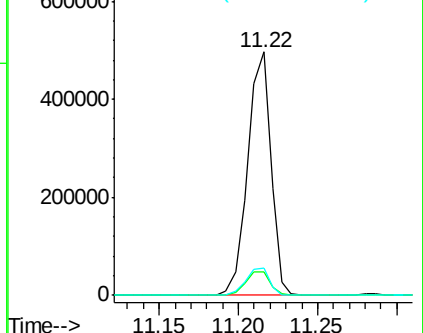
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 504964
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 11.3 10.2 15.2

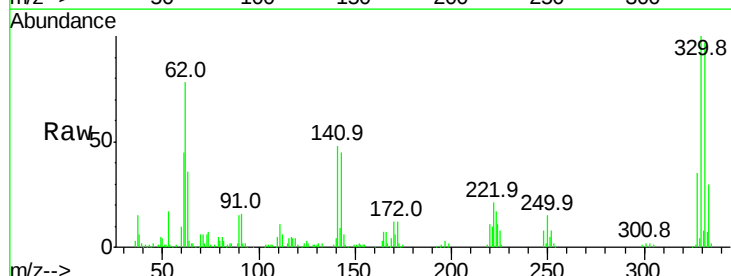


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

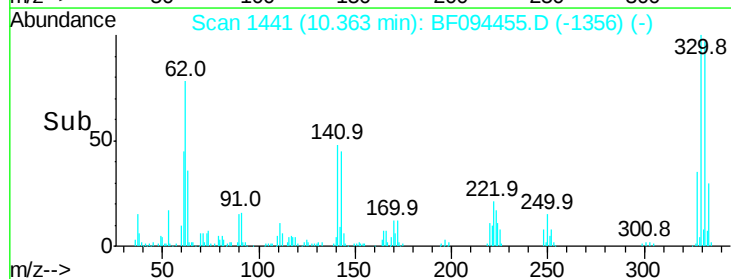
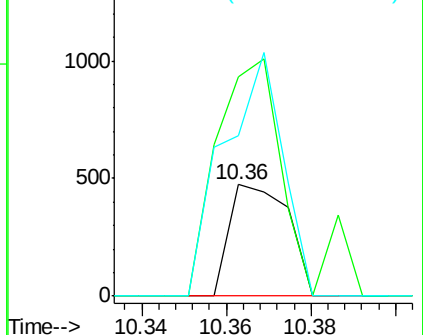


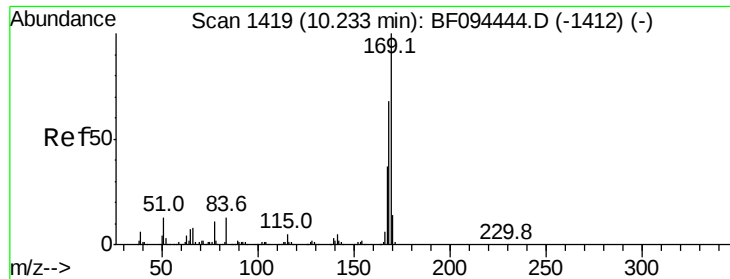
#64
4,6-Dinitro-2-methylphenol
Concen: 0.14 ng
RT: 10.36 min Scan# 1441
Delta R.T. 0.20 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Tgt Ion:198 Resp: 458
Ion Ratio Lower Upper
198 100
51 195.8 53.2 93.2#
105 143.6 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: 0.43 ng

RT: 10.37 min Scan# 1442

Delta R.T. 0.14 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampled :

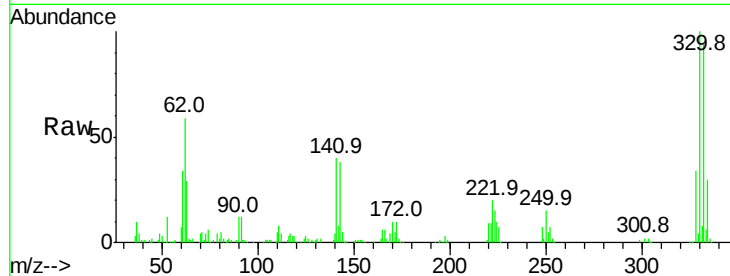
Tot Ion:169 Resp: 7625

Ion Ratio Lower Upper

169 100

168 8.7 53.2 79.8#

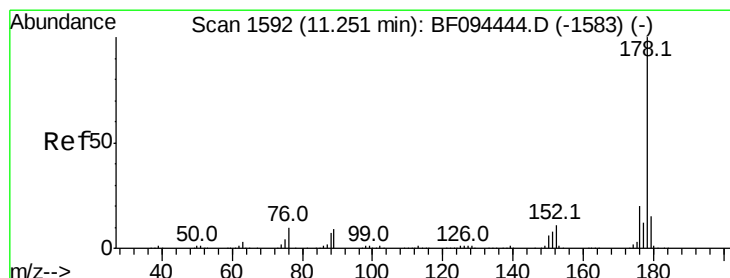
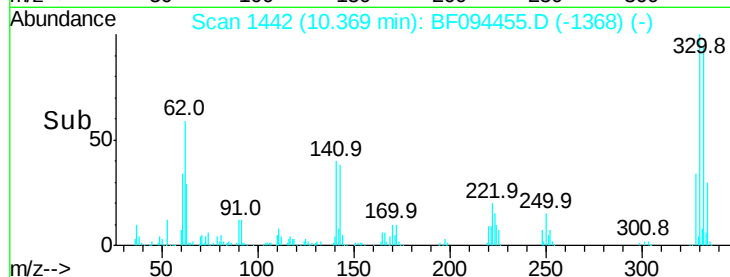
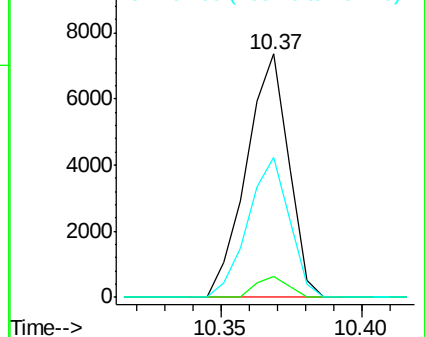
167 57.4 29.5 44.3#



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: 0.13 ng

RT: 11.24 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

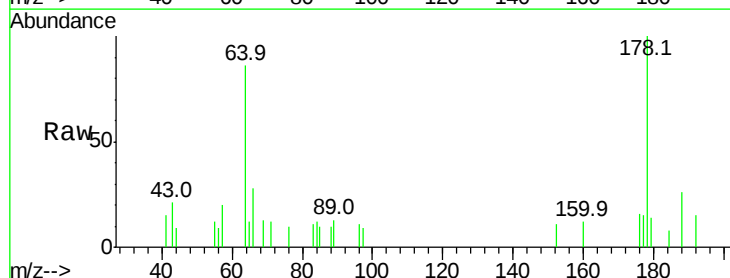
Tgt Ion:178 Resp: 3695

Ion Ratio Lower Upper

178 100

176 16.4 16.2 24.4

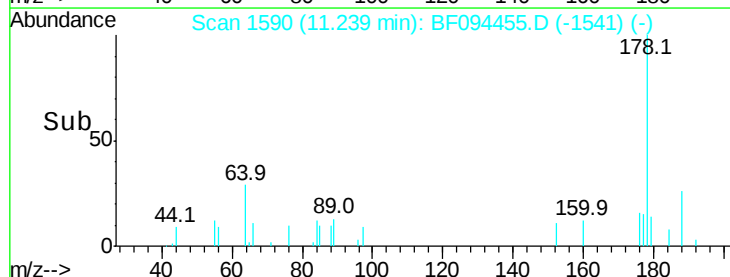
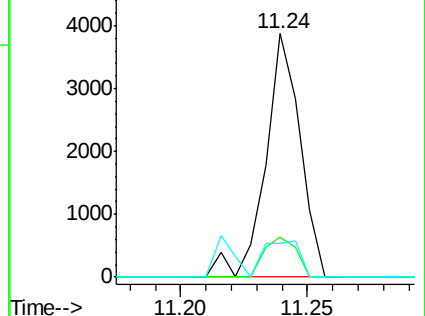
179 13.6 12.6 19.0

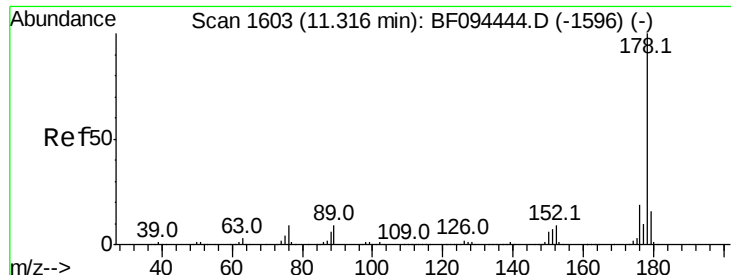


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.13 ng

RT: 11.24 min Scan# 1590

Delta R.T. -0.08 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampled :

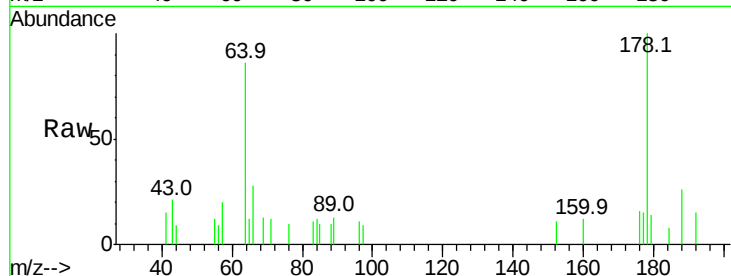
Tot Ion:178 Resp: 3695

Ion Ratio Lower Upper

178 100

176 16.4 15.8 23.8

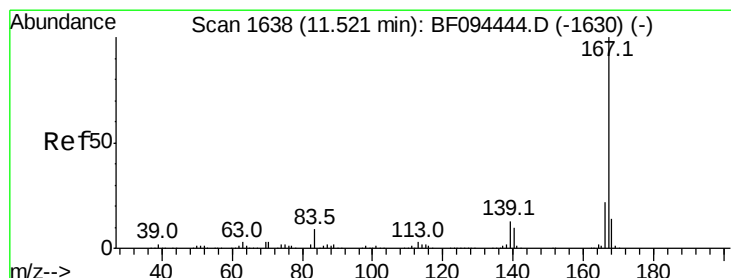
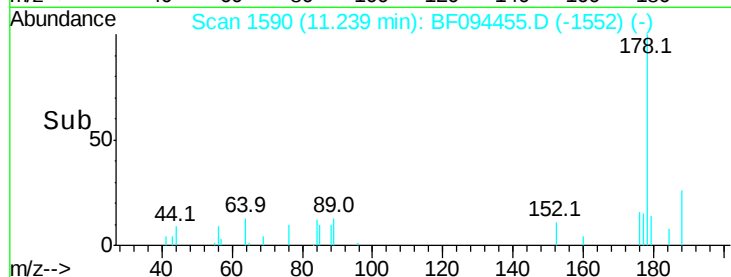
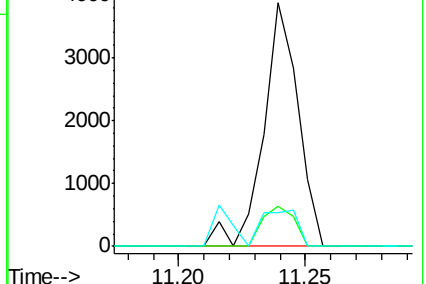
179 13.6 12.7 19.1



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: 0.01 ng

RT: 11.52 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

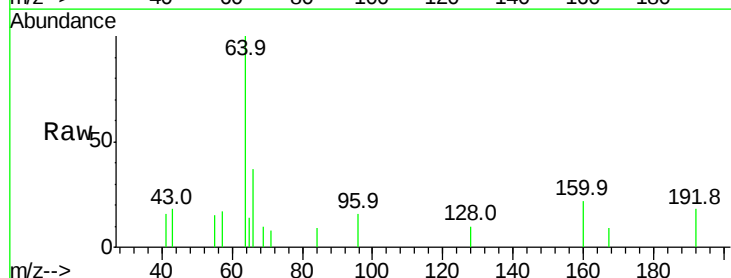
Tgt Ion:167 Resp: 226

Ion Ratio Lower Upper

167 100

166 0.0 18.1 27.1#

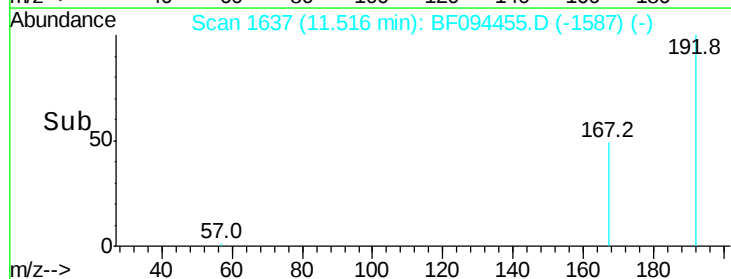
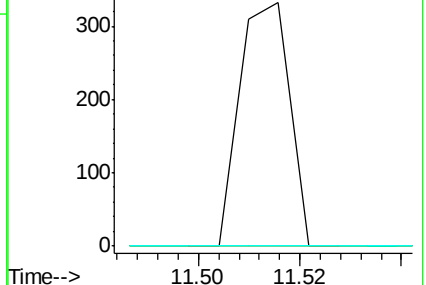
139 0.0 11.7 17.5#

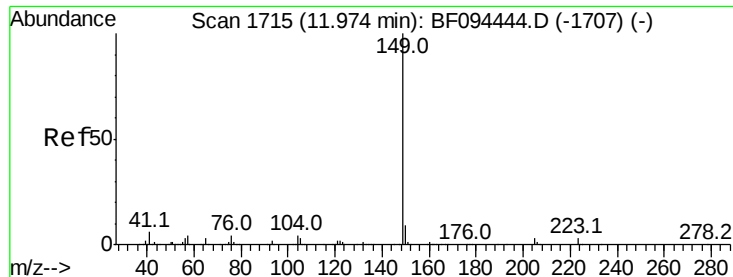


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.13 ng

RT: 11.97 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

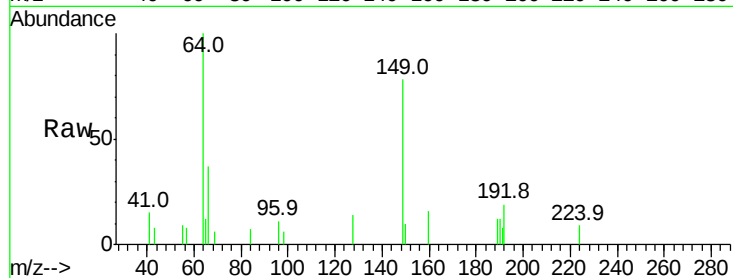
Tot Ion:149 Resp: 3978

Ion Ratio Lower Upper

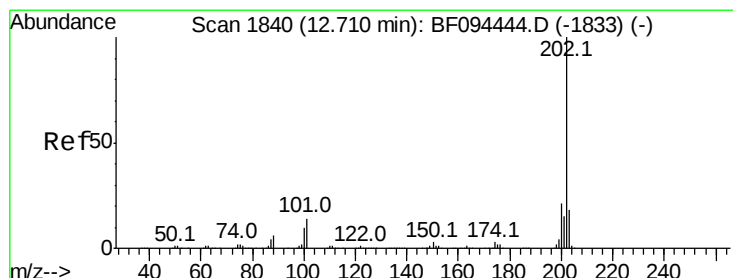
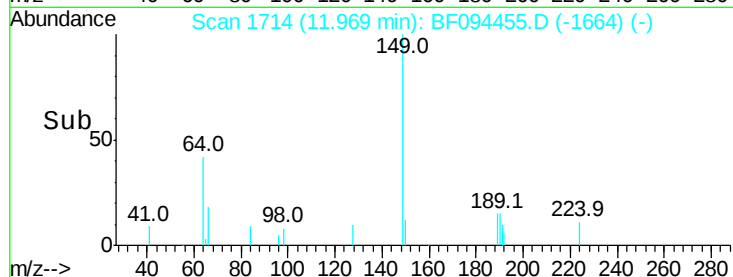
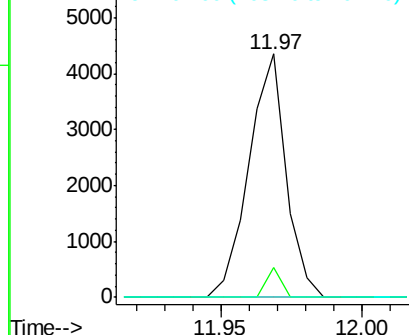
149 100

150 12.4 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: 0.18 ng

RT: 12.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

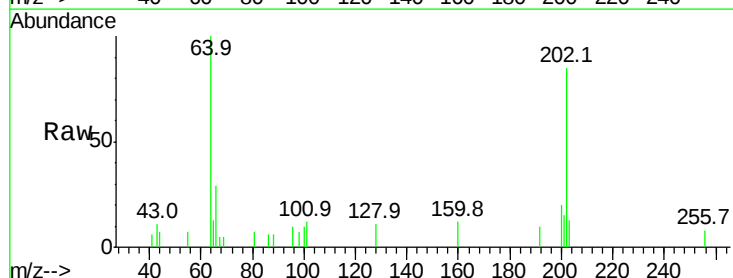
Tgt Ion:202 Resp: 5229

Ion Ratio Lower Upper

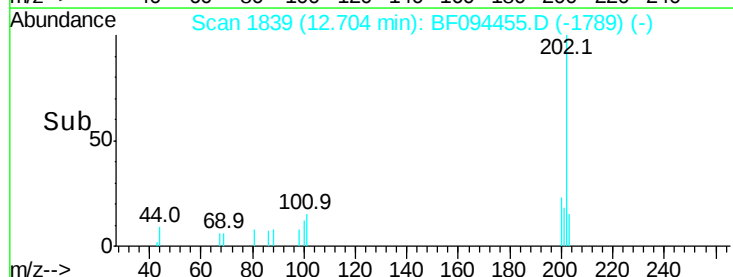
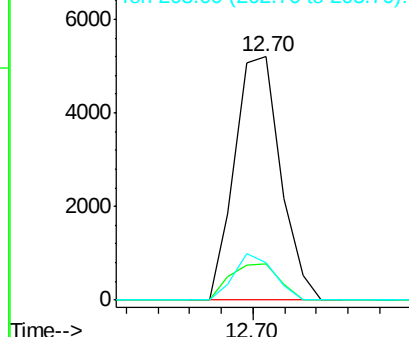
202 100

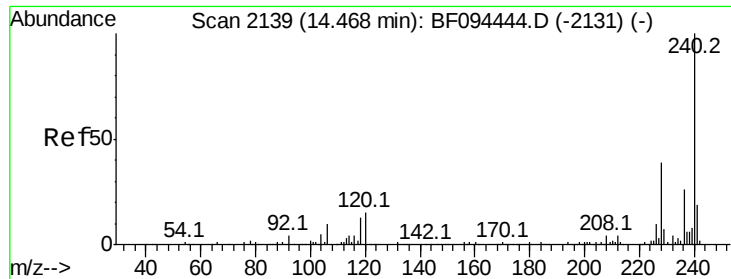
101 14.6 0.0 33.2

203 15.5 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# 2138

Delta R.T. -0.01 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

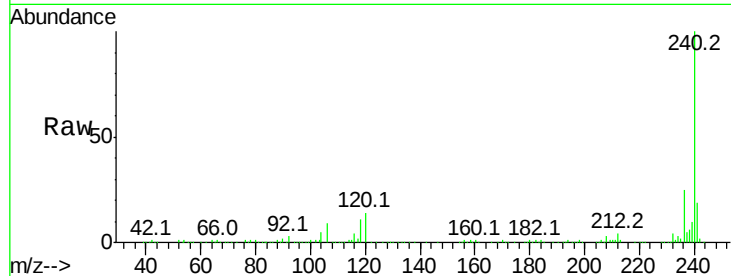
Tot Ion:240 Resp: 431960

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

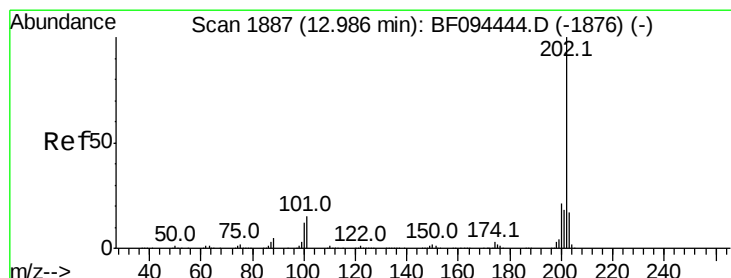
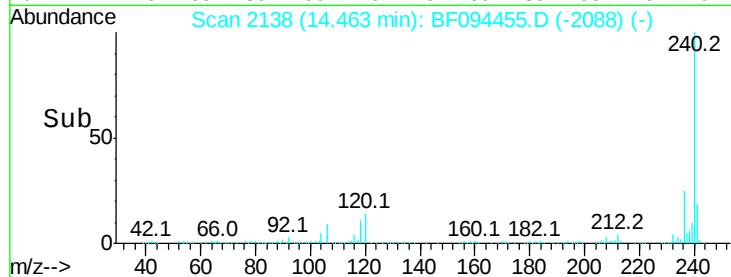
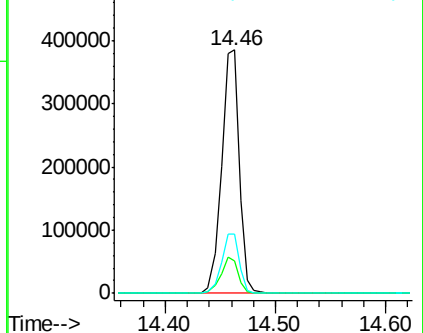
236 24.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 0.15 ng

RT: 12.70 min Scan# 1839

Delta R.T. -0.28 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

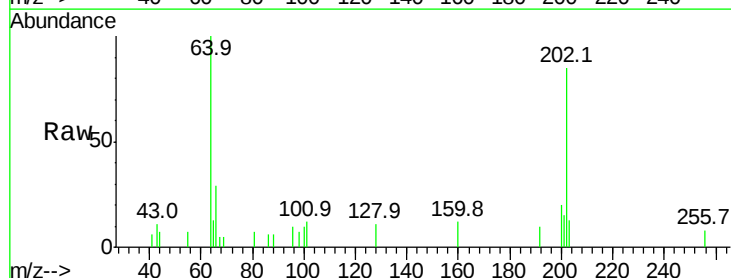
Tgt Ion:202 Resp: 4579

Ion Ratio Lower Upper

202 100

200 23.5 17.6 26.4

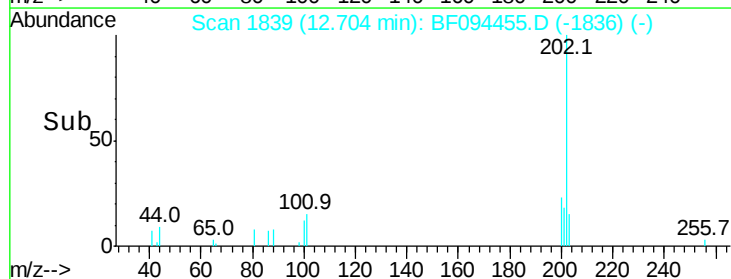
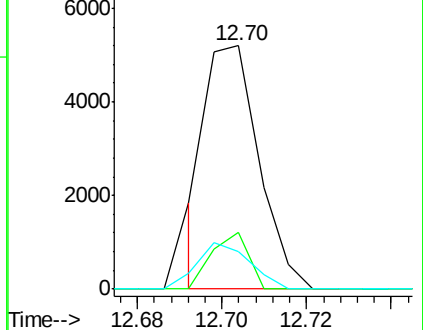
203 15.5 14.4 21.6

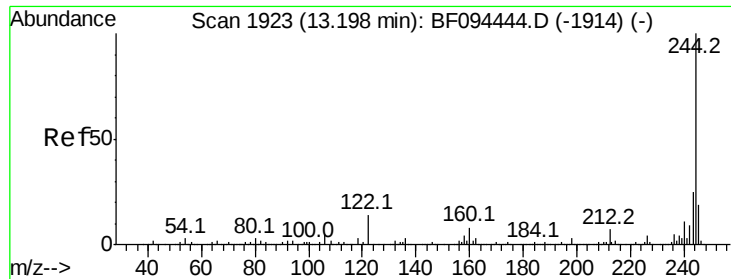


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

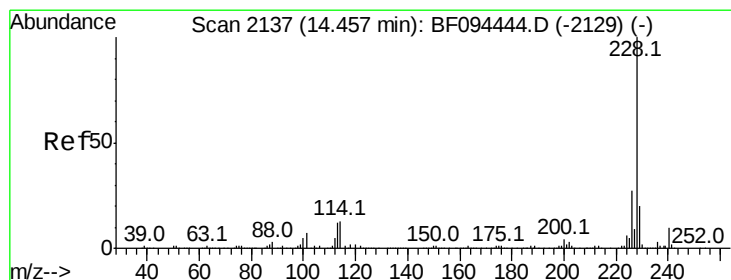
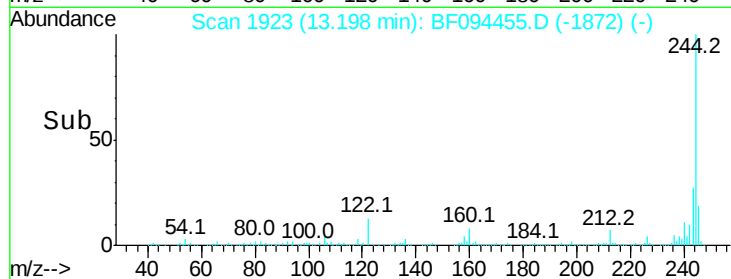
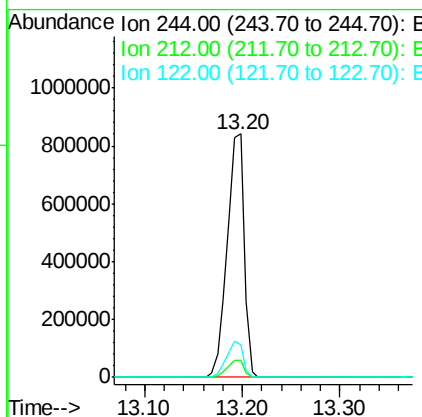
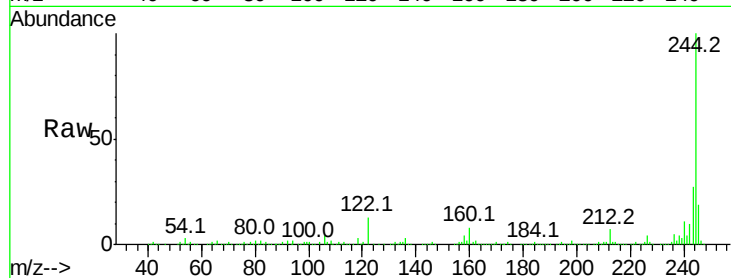




#78
 Terphenyl-d14
 Concen: 63.25 ng
 RT: 13.20 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BF094455.D
 Acq: 17 Apr 2017 17:56

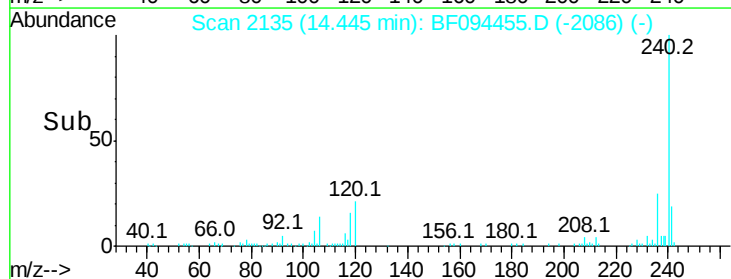
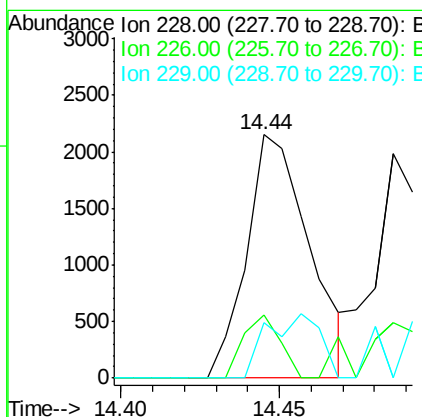
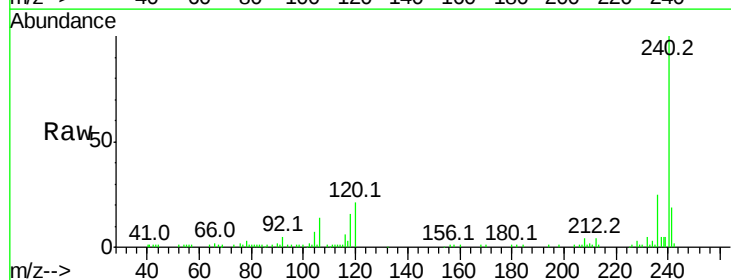
Instrument :
 BNA_F
 ClientSampleId :

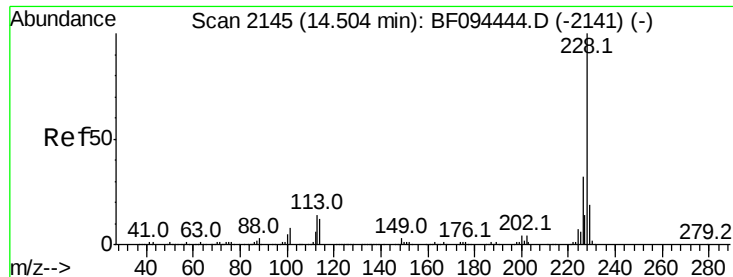
Tot Ion:244 Resp: 1022110
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.2 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 0.12 ng
 RT: 14.44 min Scan# 2135
 Delta R.T. -0.01 min
 Lab File: BF094455.D
 Acq: 17 Apr 2017 17:56

Tgt Ion:228 Resp: 2962
 Ion Ratio Lower Upper
 228 100
 226 25.8 22.6 33.8
 229 22.7 16.3 24.5





#82

Chrysene

Concen: 0.13 ng

RT: 14.44 min Scan# 2135

Delta R.T. -0.06 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

Instrument :

BNA_F

ClientSampleId :

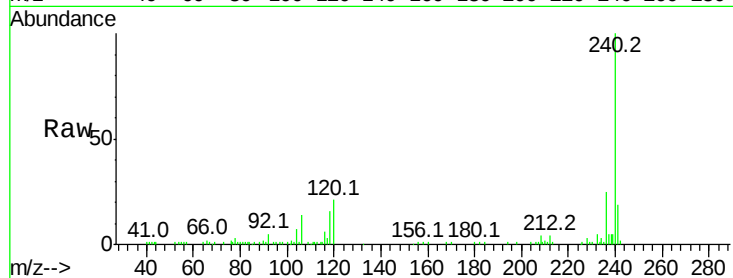
Tot Ion:228 Resp: 2962

Ion Ratio Lower Upper

228 100

226 25.8 24.9 37.3

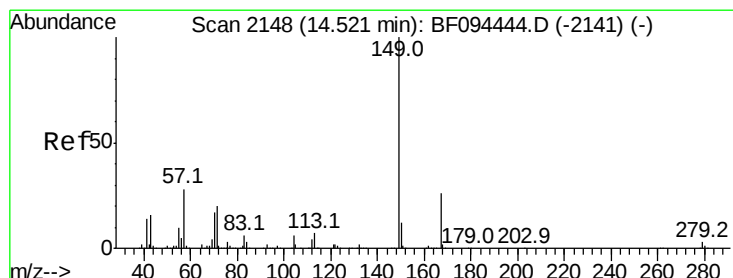
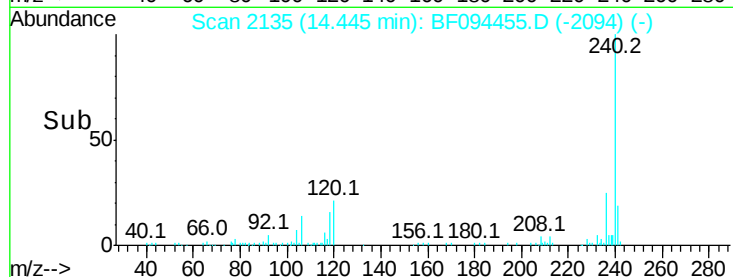
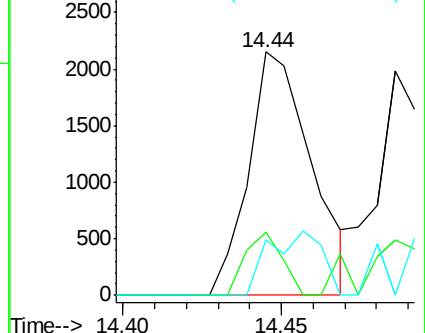
229 22.7 15.8 23.6



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: 0.13 ng

RT: 14.52 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BF094455.D

Acq: 17 Apr 2017 17:56

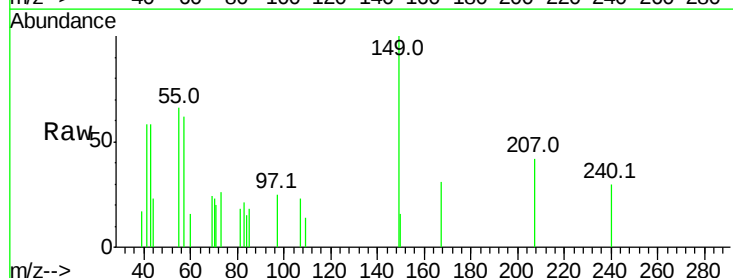
Tgt Ion:149 Resp: 2331

Ion Ratio Lower Upper

149 100

167 30.8 21.0 31.4

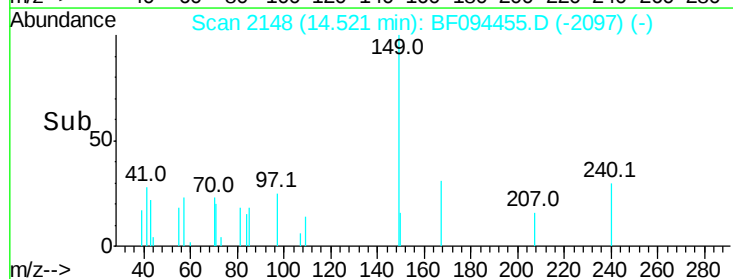
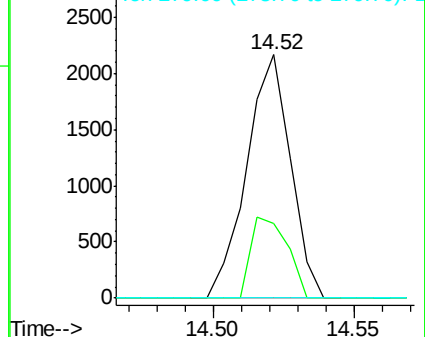
279 0.0 1.9 2.9#

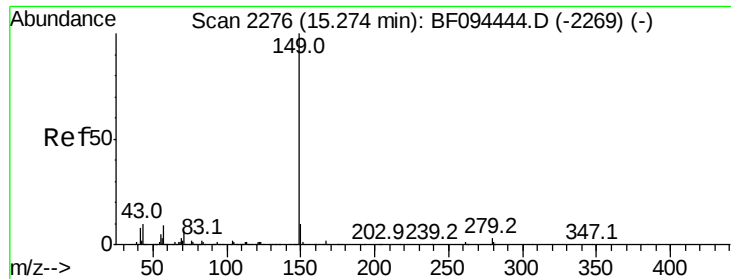


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

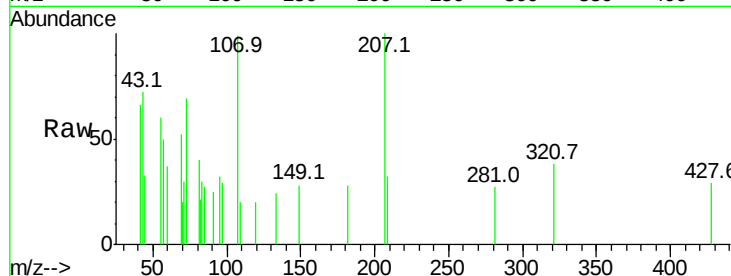




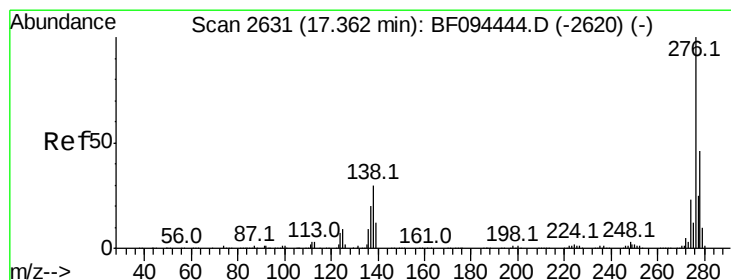
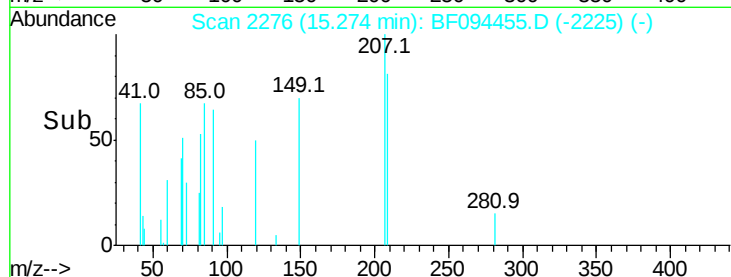
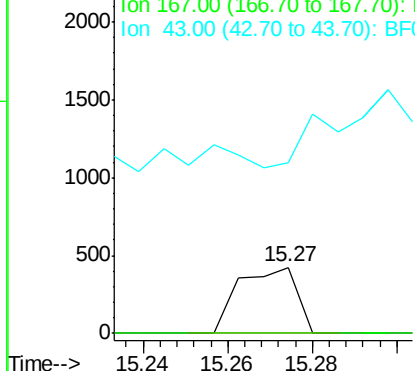
#84
Di-n-octyl phthalate
Concen: 0.01 ng
RT: 15.27 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 404
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 44.3 8.5 12.7#

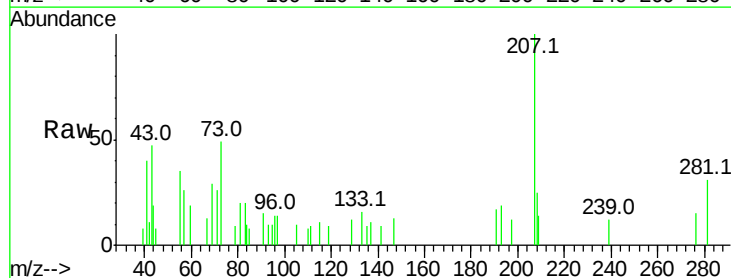


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

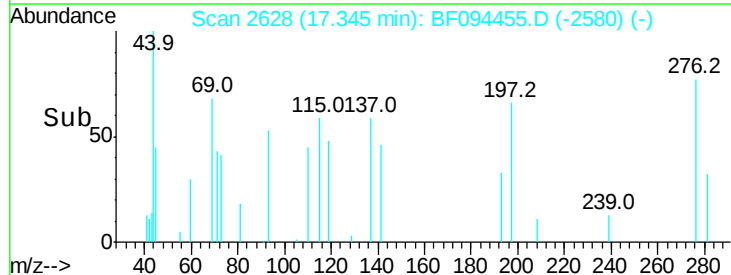
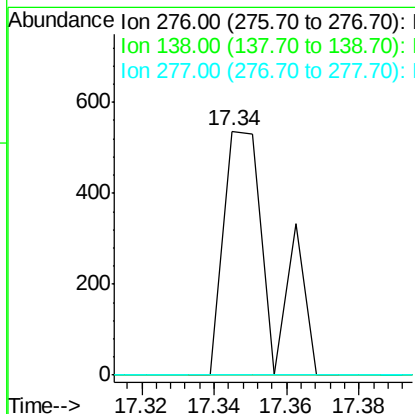


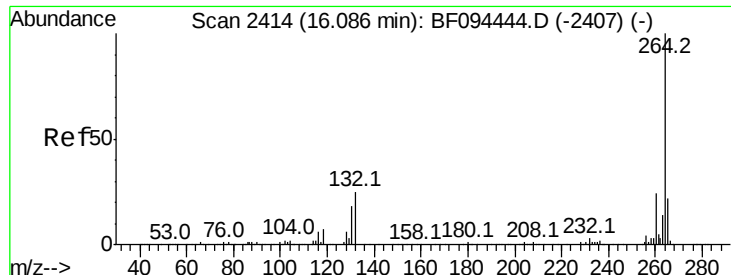
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 17.34 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Tgt Ion:276 Resp: 493
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



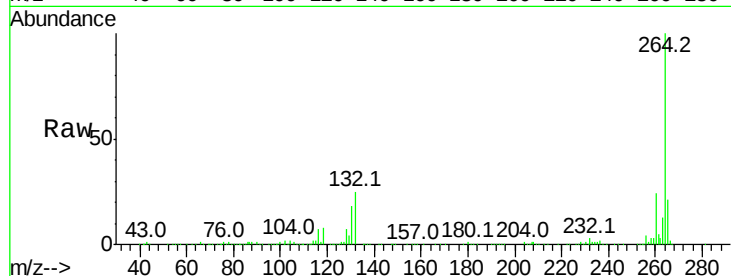


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

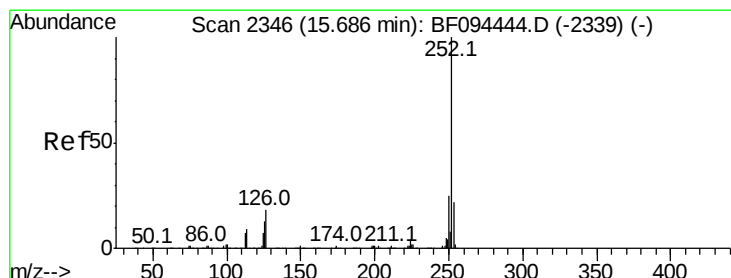
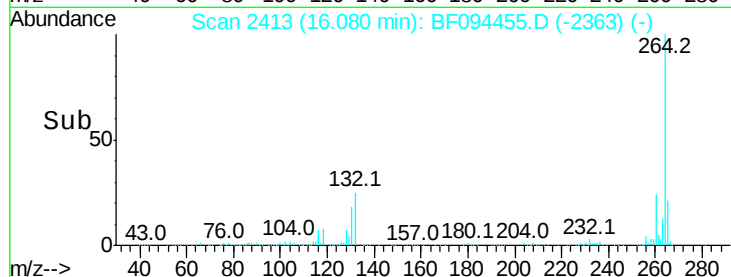
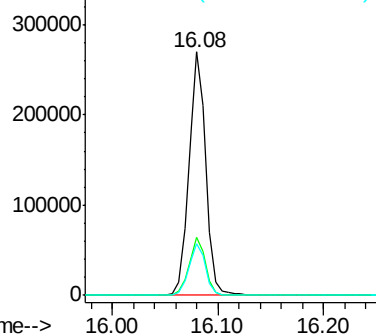
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 304408

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.4	17.2	25.8



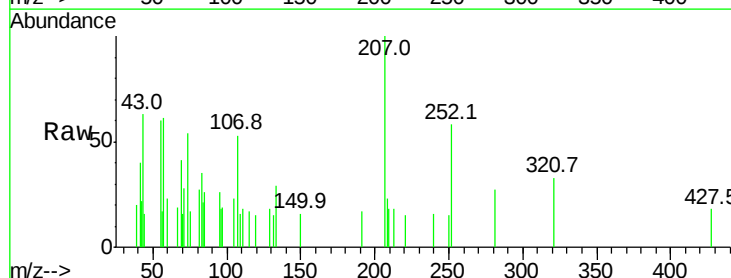
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



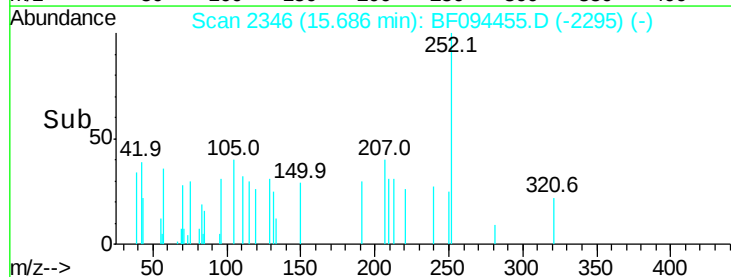
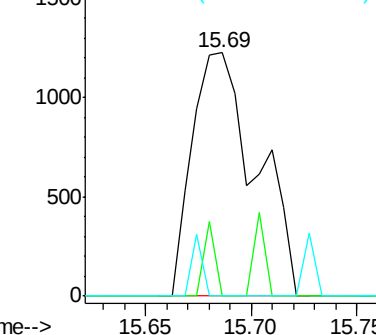
#87
Benzo(b)fluoranthene
Concen: 0.14 ng
RT: 15.69 min Scan# 2346
Delta R.T. 0.00 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

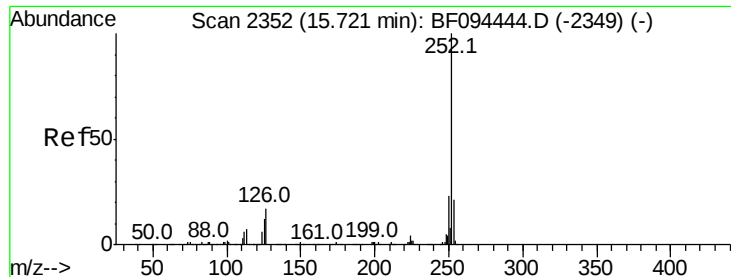
Tgt Ion:252 Resp: 2569

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.1	27.1#
125	0.0	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

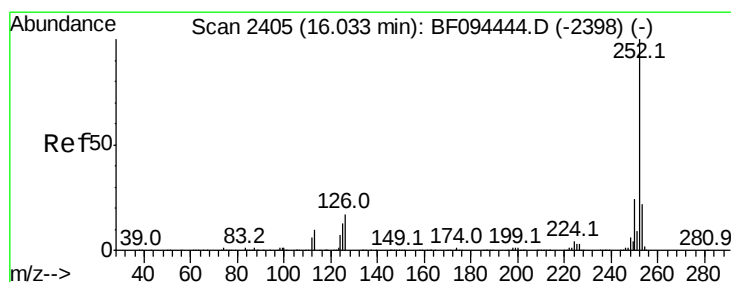
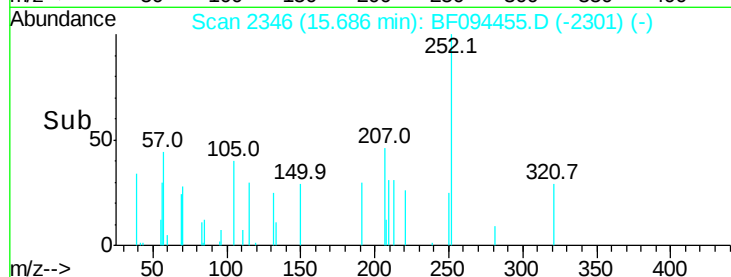
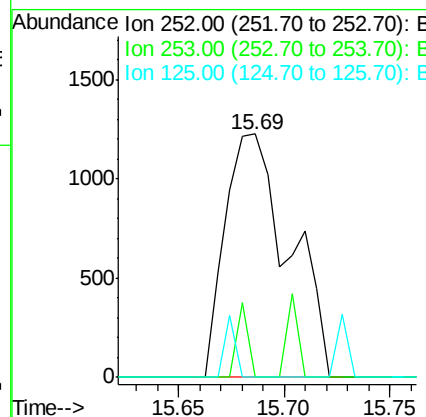
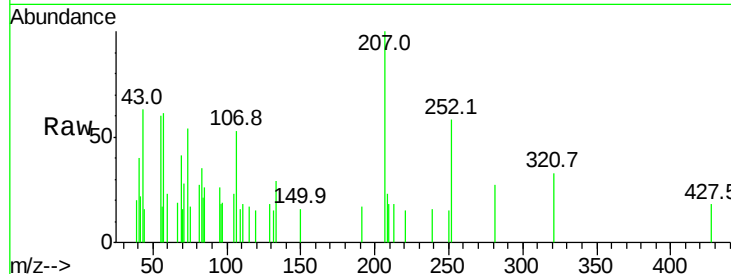




#88
Benzo(k)fluoranthene
Concen: 0.15 ng
RT: 15.69 min Scan# 2346
Delta R.T. -0.04 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

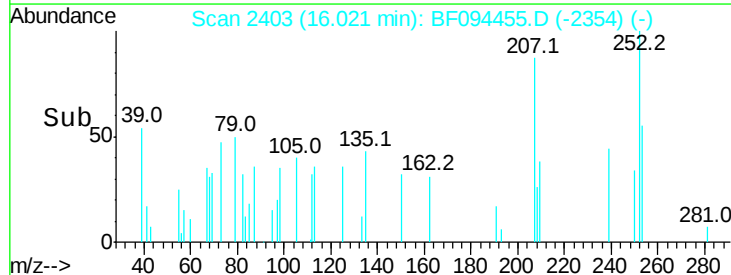
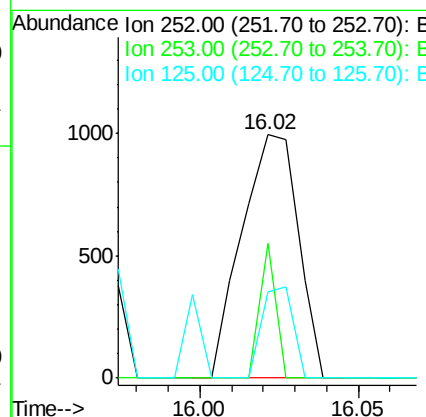
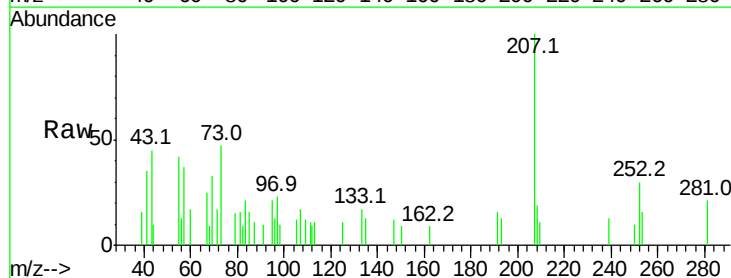
Instrument :
BNA_F
ClientSampleId :

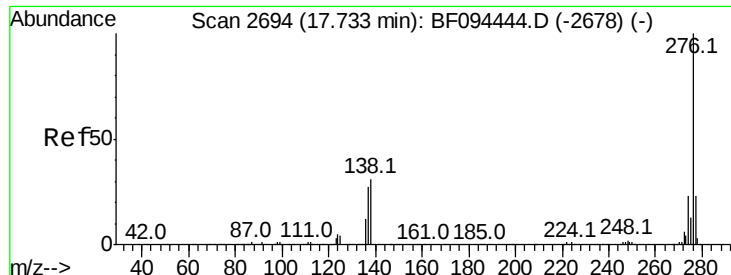
Tot Ion:252 Resp: 2569
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 0.0 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 0.07 ng
RT: 16.02 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BF094455.D
Acq: 17 Apr 2017 17:56

Tgt Ion:252 Resp: 1229
Ion Ratio Lower Upper
252 100
253 55.1 17.5 26.3#
125 35.5 11.0 16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 0.05 ng
 RT: 17.72 min Scan# 2691
 Delta R.T. -0.02 min
 Lab File: BF094455.D
 Acq: 17 Apr 2017 17:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	0.0	18.6	28.0
138	54.8	25.4	38.0

