

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041717\
 Data File : BF094453.D
 Acq On : 17 Apr 2017 17:01
 Operator : SJ/MA
 Sample : I2728-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:57:50 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	144674	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	594981	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	271136	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	491860	20.00	ng	0.00
75) Chrysene-d12	14.46	240	417095	20.00	ng	-0.01
86) Perylene-d12	16.08	264	307513	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	883710	101.34	ng	0.00
7) Phenol-d6	5.39	99	1122817	109.22	ng	0.00
23) Nitrobenzene-d5	6.41	82	698600	72.50	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	203336	95.88	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1313083	71.26	ng	0.00
78) Terphenyl-d14	13.20	244	1132065	72.55	ng	0.00

Target Compounds						Qvalue
6) Aniline	5.40	93	349	0.03	ng	# 1
8) 2-Chlorophenol	5.52	128	662	0.07	ng	# 1
9) Benzaldehyde	5.38	77	1437	0.18	ng	# 1
10) Phenol	5.40	94	17876	1.42	ng	94
11) bis(2-Chloroethyl)ether	5.51	93	1232	0.13	ng	# 1
12) 1,3-Dichlorobenzene	5.93	146	159	0.01	ng	# 1
13) 1,4-Dichlorobenzene	5.93	146	159	0.01	ng	# 1
14) 1,2-Dichlorobenzene	5.93	146	159	0.02	ng	# 1
15) Benzyl Alcohol	5.93	79	10388	1.36	ng	# 48
19) n-Nitroso-di-n-propylamine	6.41	70	91252	13.40	ng	# 76
22) Acetophenone	6.23	105	616	0.04	ng	# 46
24) Nitrobenzene	6.41	77	2015	0.20	ng	# 39
25) Isophorone	6.75	82	337	0.02	ng	# 67
31) Naphthalene	7.28	128	6317	0.22	ng	96
33) 4-Chloroaniline	7.28	127	715	0.06	ng	# 16
37) 2-Methylnaphthalene	8.13	142	2201	0.11	ng	87
45) 1,1'-Biphenyl	8.70	154	1323	0.06	ng	# 68
47) 2-Nitroaniline	8.76	65	113	0.02	ng	# 7
48) Acenaphthylene	9.22	152	116	0.00	ng	# 60
49) Dimethylphthalate	9.08	163	60491	2.99	ng	99
50) 2,6-Dinitrotoluene	9.39	165	34808	7.67	ng	# 34
51) Acenaphthene	9.39	154	1012	0.06	ng	# 4
54) Dibenzofuran	9.65	168	1296	0.05	ng	# 76
55) 4-Nitrophenol	9.65	139	600	0.16	ng	# 25
56) 2,4-Dinitrotoluene	9.39	165	34807	6.25	ng	# 33
57) Fluorene	10.06	166	1089	0.06	ng	# 94
59) Diethylphthalate	9.95	149	1741	0.09	ng	# 84
62) Azobenzene	10.37	77	1356	0.07	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.37	198	289	0.09	ng	# 1
65) n-Nitrosodiphenylamine	10.37	169	7628	0.45	ng	# 40
70) Phenanthrene	11.24	178	4705	0.17	ng	# 96
71) Anthracene	11.30	178	326	0.01	ng	# 59
72) Carbazole	11.52	167	457	0.02	ng	# 58
73) Di-n-butylphthalate	11.96	149	3786	0.13	ng	# 78

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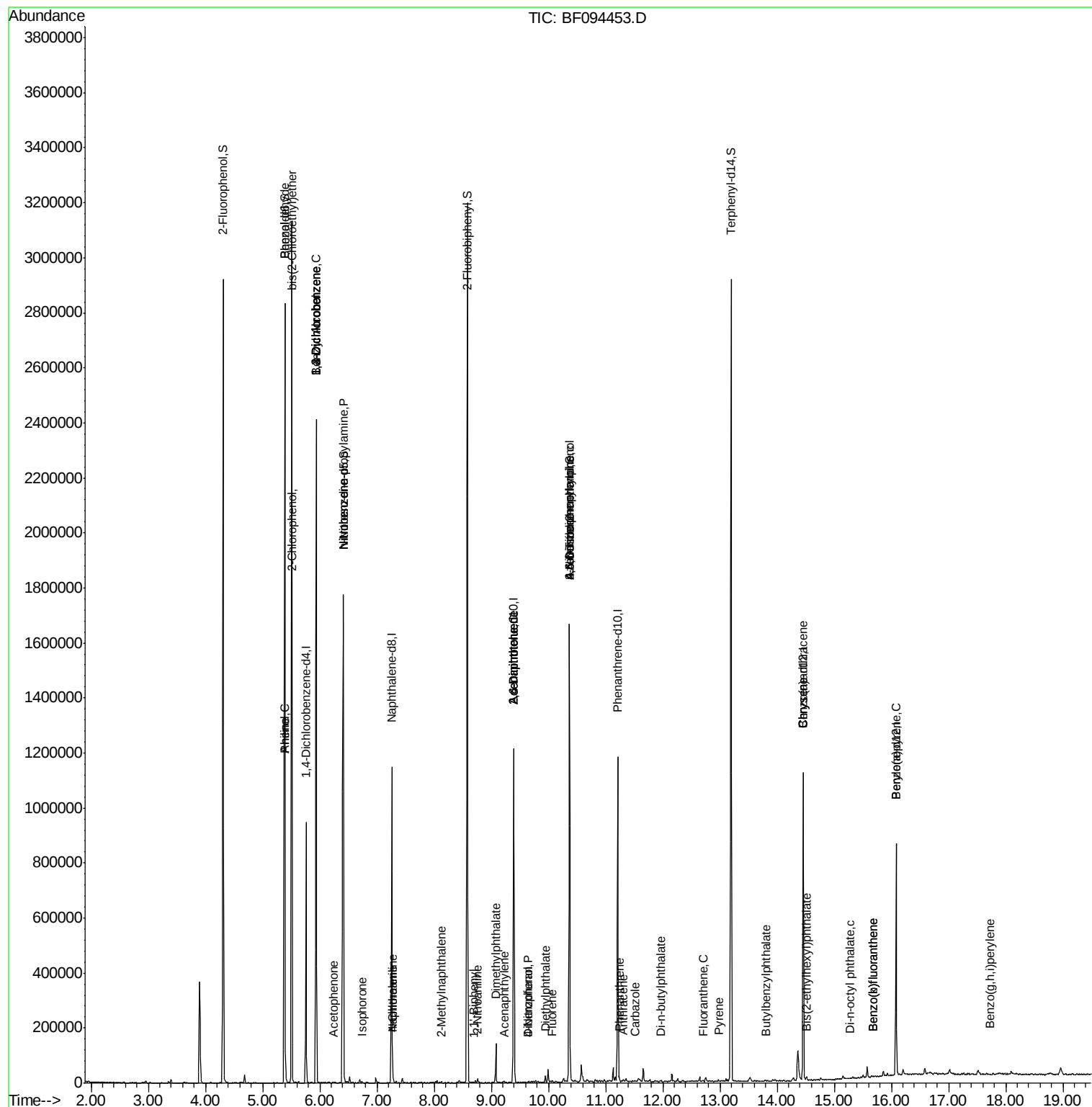
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.70	202	1425	0.05	nq	62
77) Pyrene	12.97	202	2068	0.07	nq	# 87
79) Butylbenzylphthalate	13.80	149	406	0.03	nq	# 35
80) Benzo(a)anthracene	14.46	228	2126	0.09	nq	# 56
82) Chrysene	14.46	228	2126	0.10	nq	# 52
83) Bis(2-ethylhexyl)phthalate	14.52	149	4118	0.24	nq	# 94
84) Di-n-octyl phthalate	15.27	149	241	0.01	nq	# 1
87) Benzo(b)fluoranthene	15.68	252	809	0.04	nq	# 59
88) Benzo(k)fluoranthene	15.68	252	809	0.05	nq	# 56
89) Benzo(a)pyrene	16.08	252	812	0.05	nq	# 35
91) Benzo(a,h,i)perylene	17.73	276	134	0.01	nq	# 47

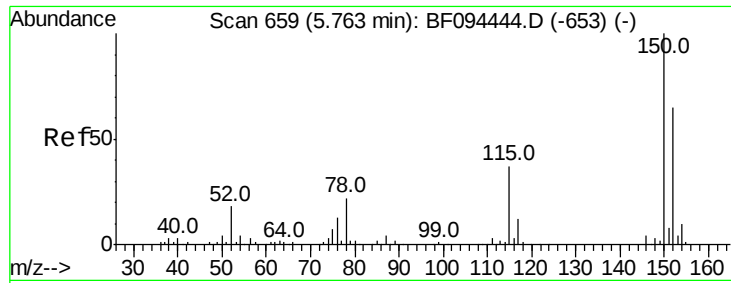
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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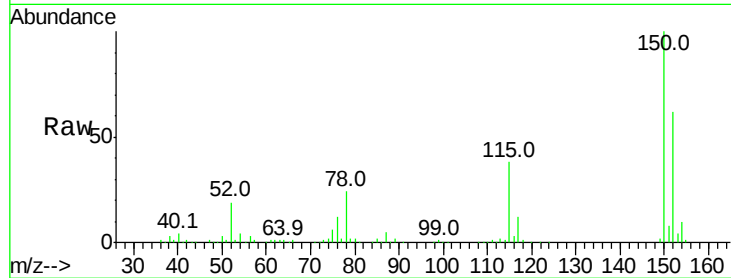


#1

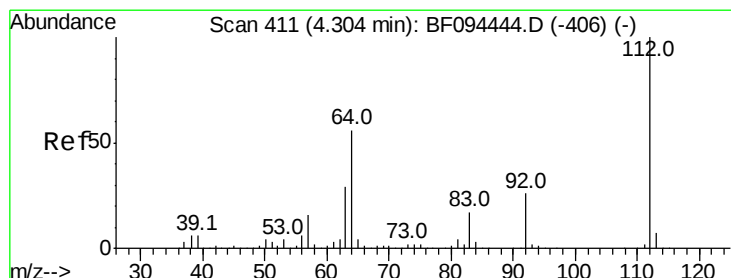
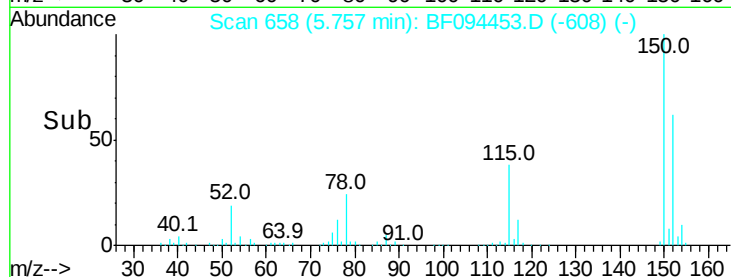
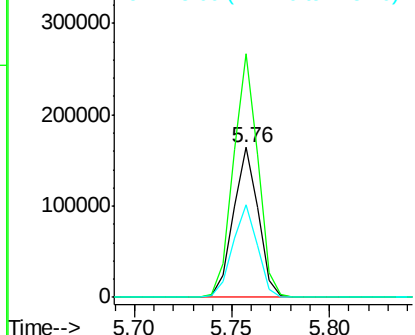
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144674
Ion Ratio Lower Upper
152 100
150 162.4 126.2 189.2
115 61.5 52.2 78.2



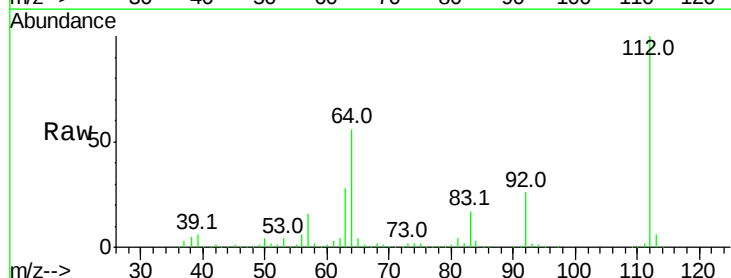
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



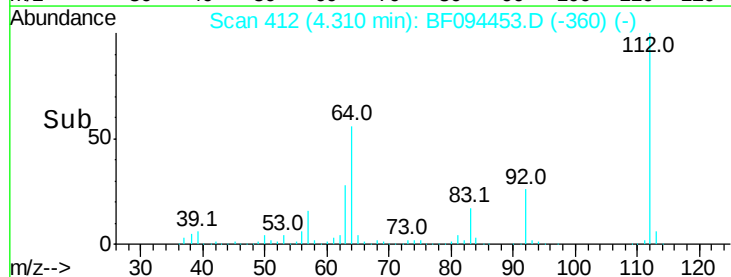
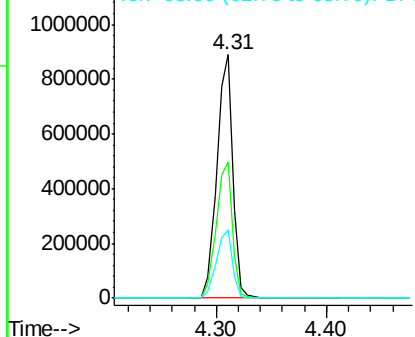
#5

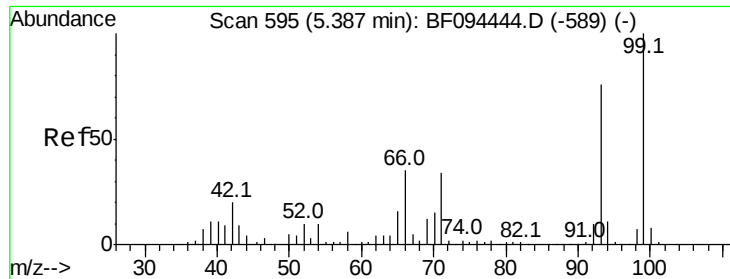
2-Fluorophenol
Concen: 101.34 ng
RT: 4.31 min Scan# 412
Delta R.T. 0.01 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

Tgt Ion:112 Resp: 883710
Ion Ratio Lower Upper
112 100
64 56.1 46.0 69.0
63 28.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.03 ng

RT: 5.40 min Scan# 597

Delta R.T. 0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

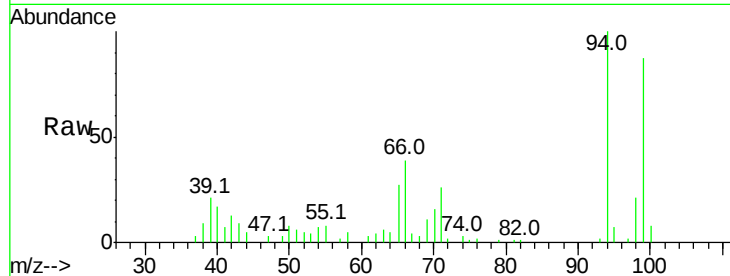
Tot Ion: 93 Resp: 349

Ion Ratio Lower Upper

93 100

66 1691.5 32.9 49.3#

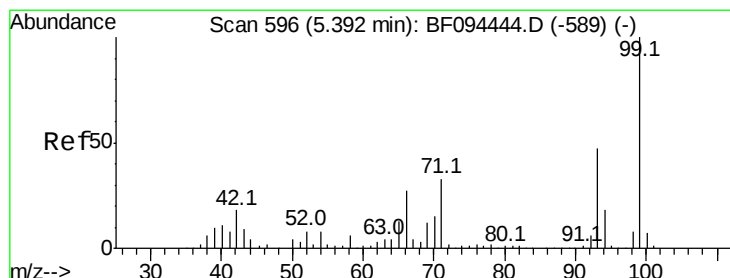
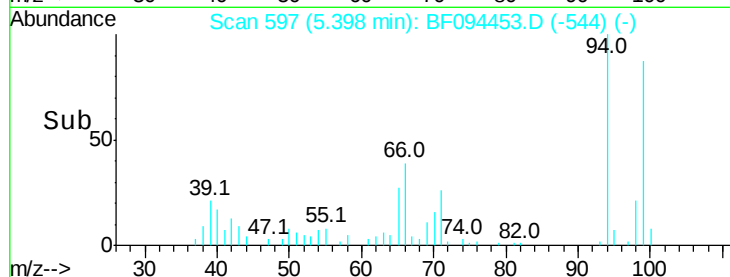
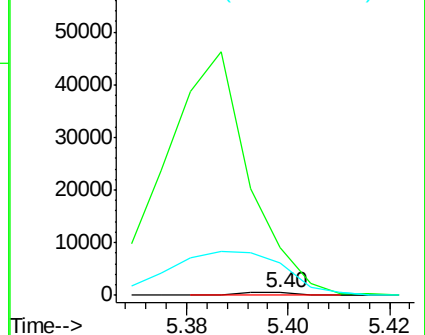
65 1154.5 16.0 24.0#



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: 109.22 ng

RT: 5.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

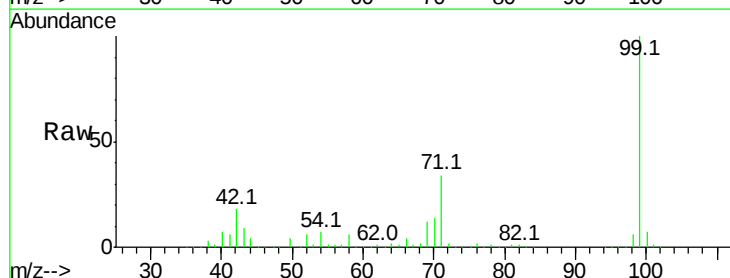
Tgt Ion: 99 Resp: 1122817

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

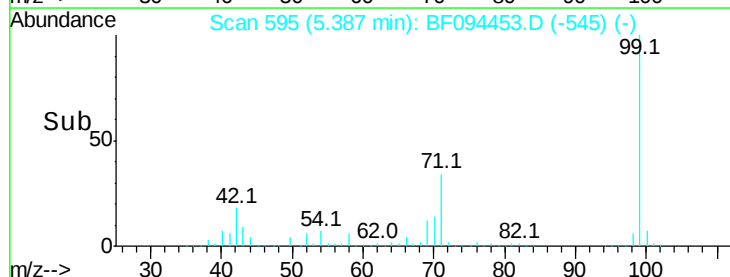
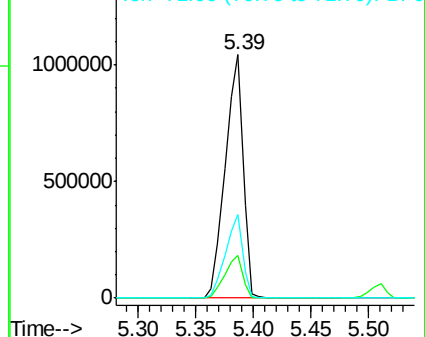
71 34.1 24.5 36.7

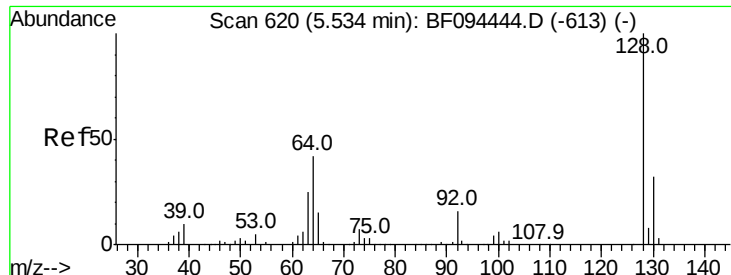


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.07 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampled :

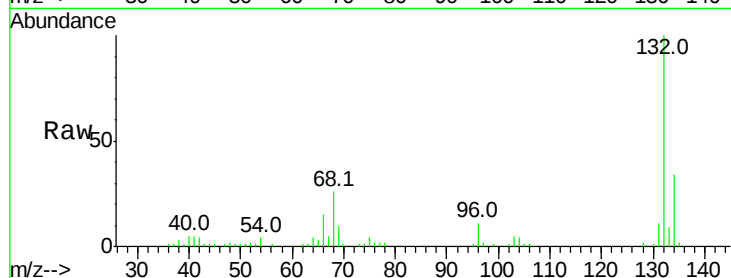
Tot Ion:128 Resp: 662

Ion Ratio Lower Upper

128 100

130 74.2 12.9 52.9#

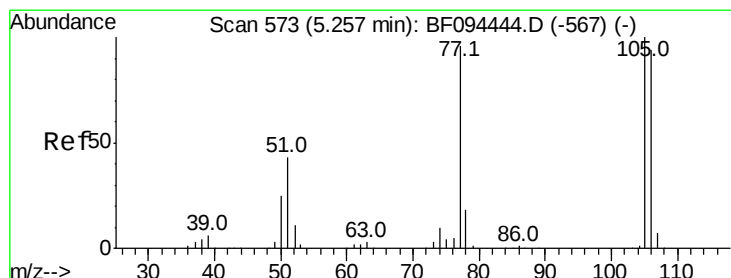
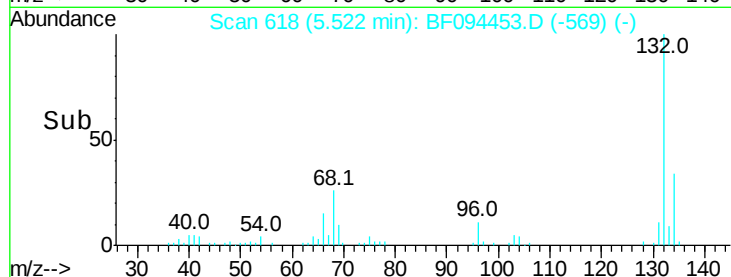
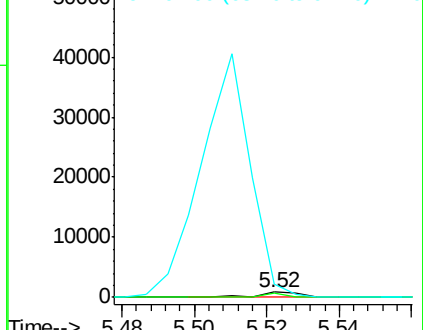
64 235.7 28.4 68.4#



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: 0.18 ng

RT: 5.38 min Scan# 594

Delta R.T. 0.12 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

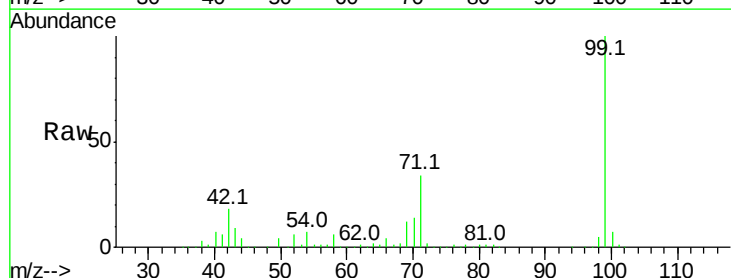
Tgt Ion: 77 Resp: 1437

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

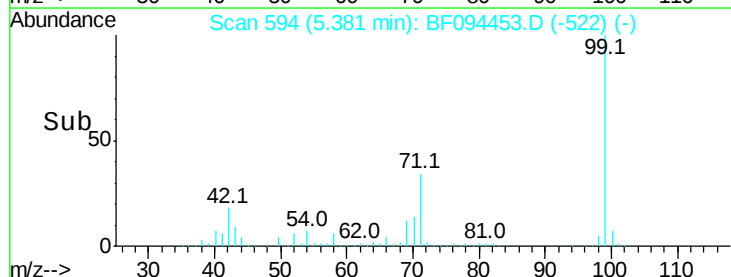
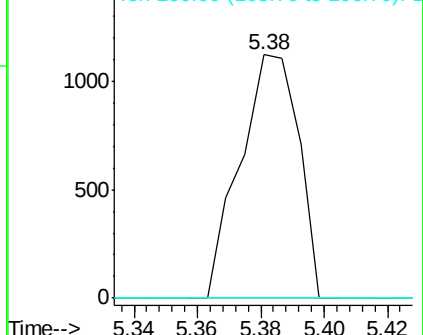
106 0.0 79.1 119.1#

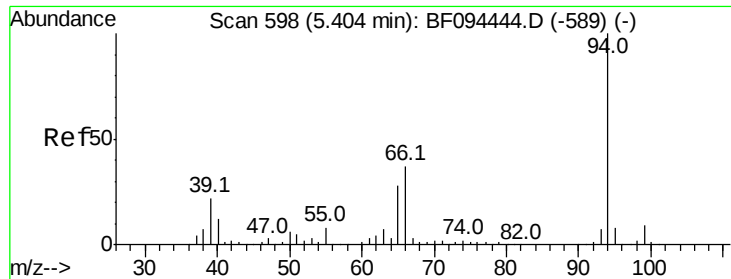


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.42 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

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ClientSampleId :

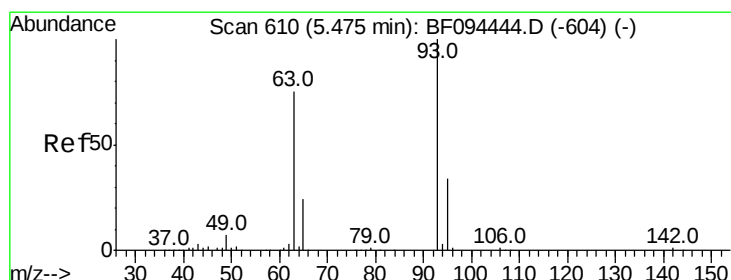
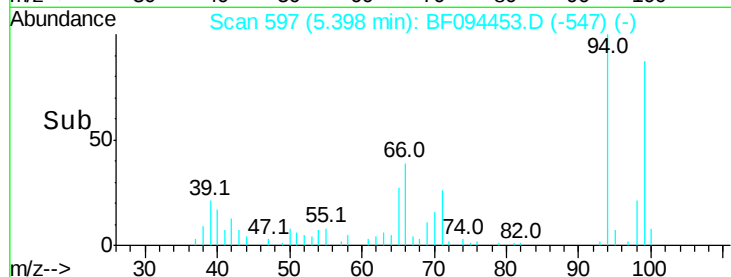
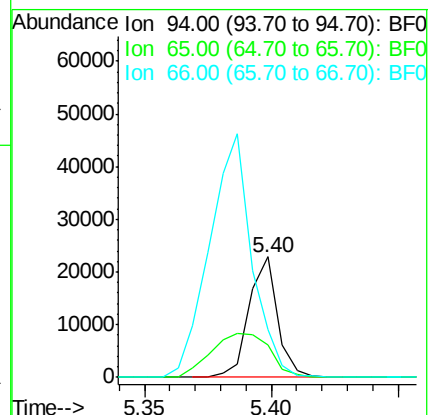
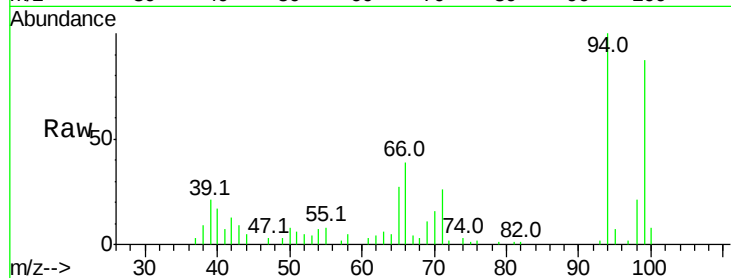
Tot Ion: 94 Resp: 17876

Ion Ratio Lower Upper

94 100

65 26.8 9.9 49.9

66 39.3 23.1 63.1



#11

bis(2-Chloroethyl)ether

Concen: 0.13 ng

RT: 5.51 min Scan# 616

Delta R.T. 0.04 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

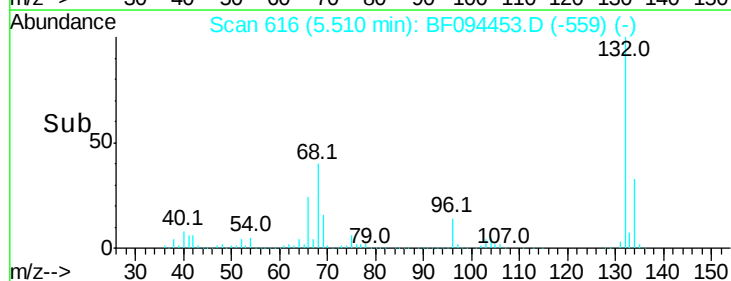
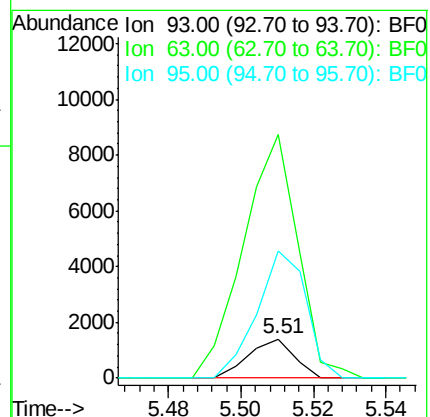
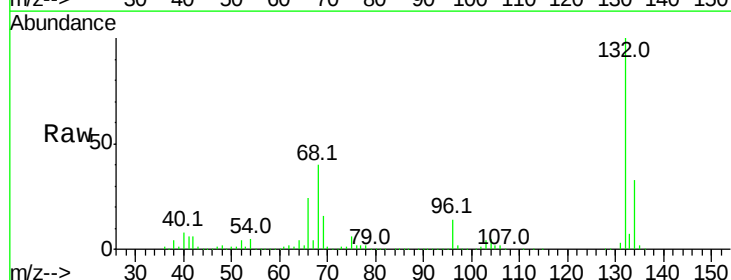
Tgt Ion: 93 Resp: 1232

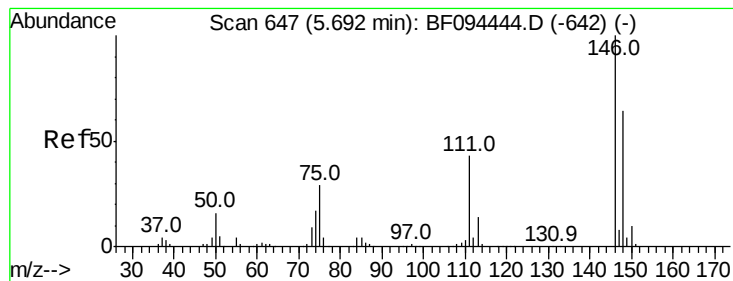
Ion Ratio Lower Upper

93 100

63 621.3 59.2 99.2#

95 325.8 12.8 52.8#





#12

1,3-Dichlorobenzene

Concen: 0.01 ng

RT: 5.93 min Scan# 688

Delta R.T. 0.24 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

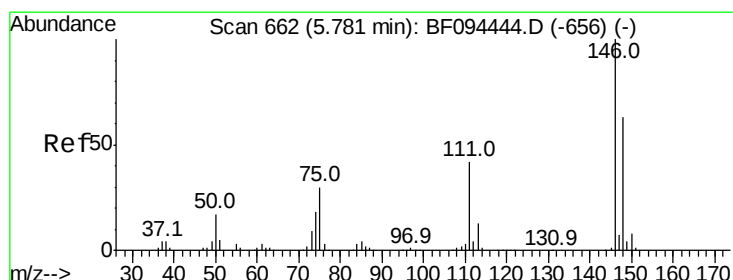
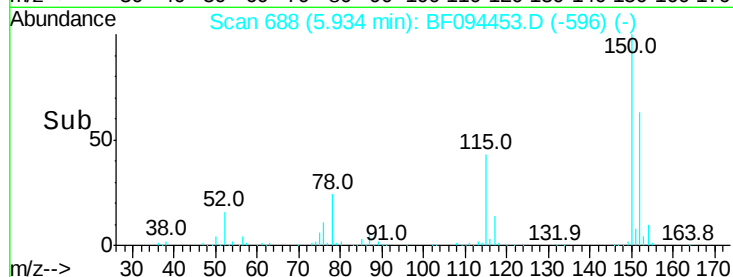
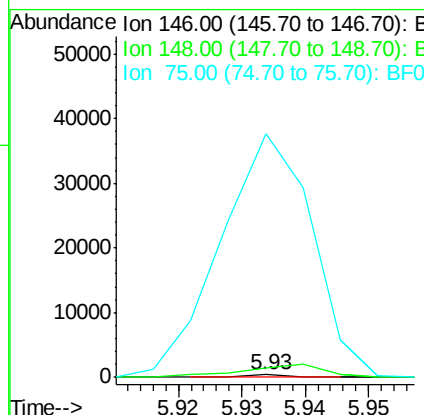
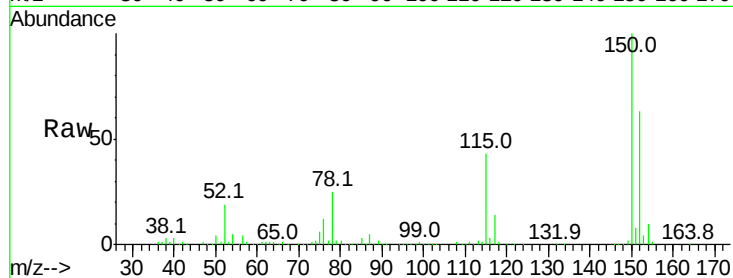
Instrument :

BNA_F

ClientSampleId :

Tot Ion:146 Resp: 159

Ion	Ratio	Lower	Upper
146	100		
148	328.9	51.8	77.6#
75	8366.2	23.1	34.7#



#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 5.93 min Scan# 688

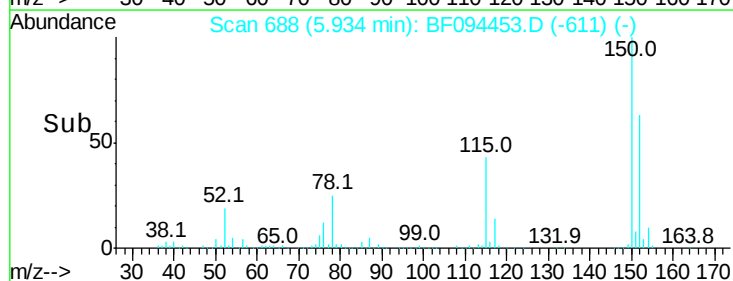
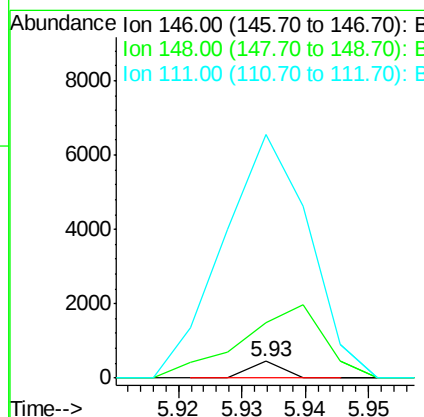
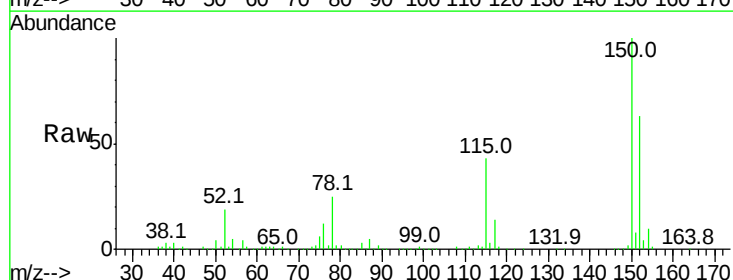
Delta R.T. 0.15 min

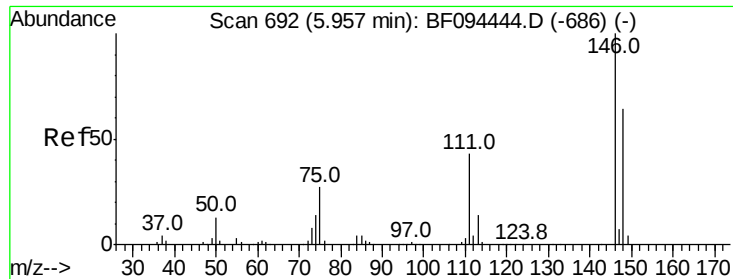
Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Tgt Ion:146 Resp: 159

Ion	Ratio	Lower	Upper
146	100		
148	328.9	52.2	78.2#
111	1455.1	30.3	45.5#





#14

1,2-Dichlorobenzene

Concen: 0.02 ng

RT: 5.93 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

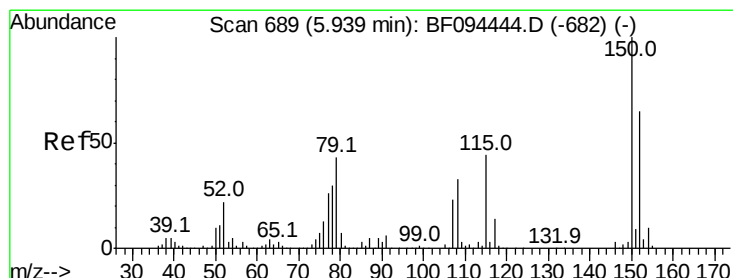
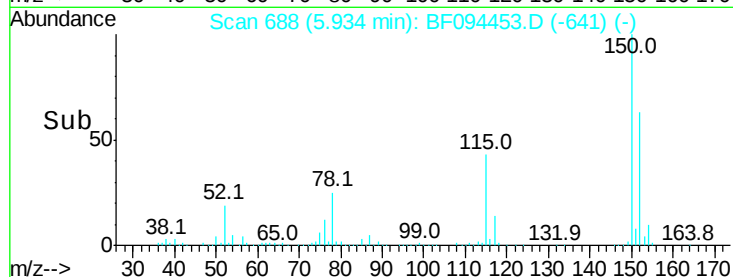
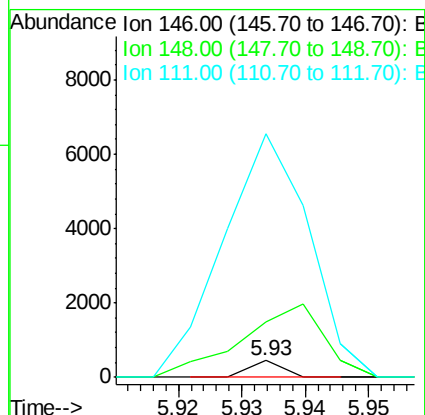
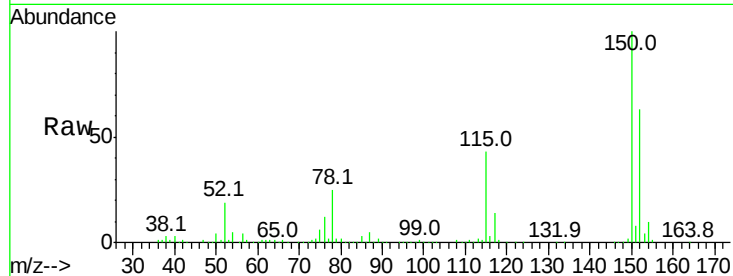
Instrument :

BNA_F

ClientSampleId :

Tot Ion:146 Resp: 159

Ion	Ratio	Lower	Upper
146	100		
148	328.9	50.4	75.6#
111	1455.1	38.2	57.4#



#15

Benzyl Alcohol

Concen: 1.36 ng

RT: 5.93 min Scan# 688

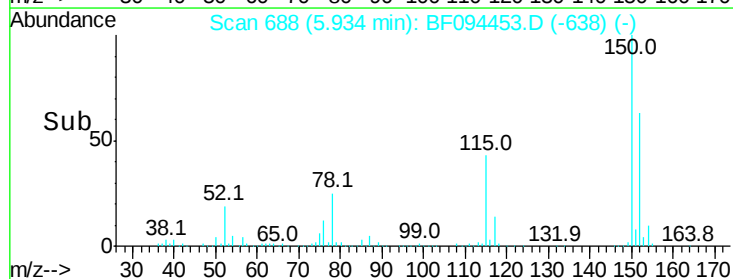
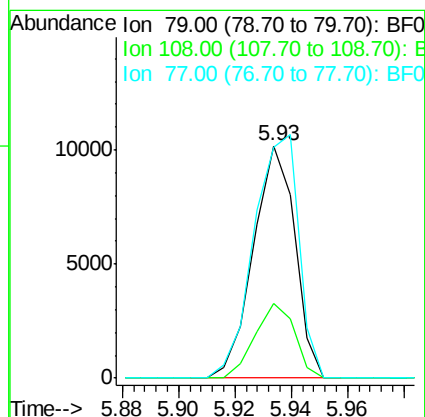
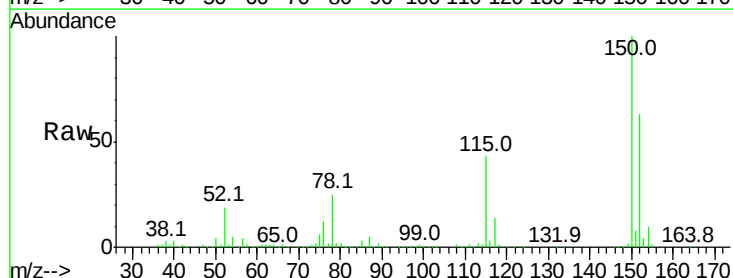
Delta R.T. -0.01 min

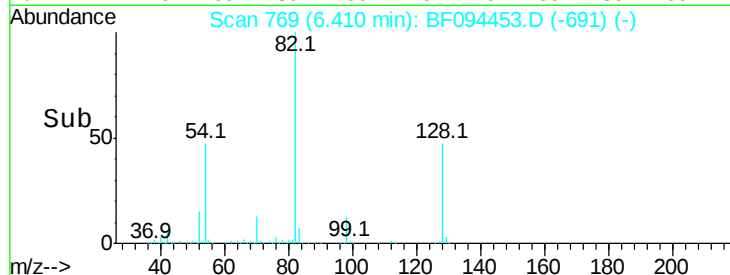
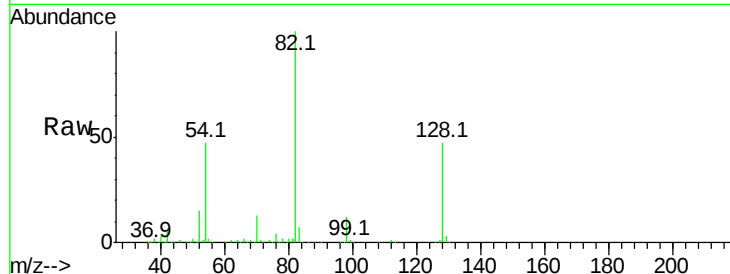
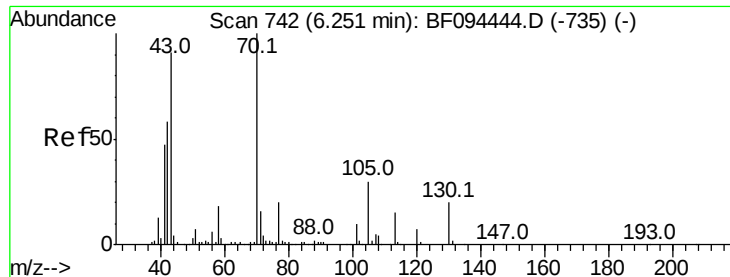
Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Tgt Ion: 79 Resp: 10388

Ion	Ratio	Lower	Upper
79	100		
108	32.2	63.4	95.0#
77	99.4	49.2	73.8#

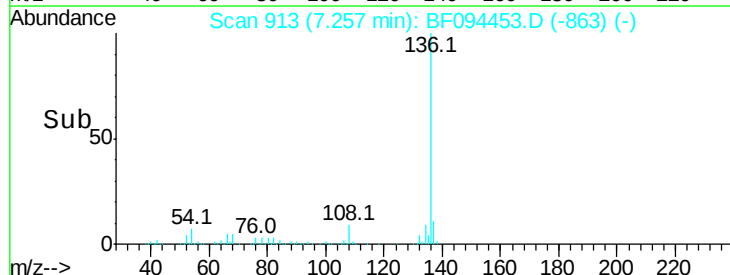
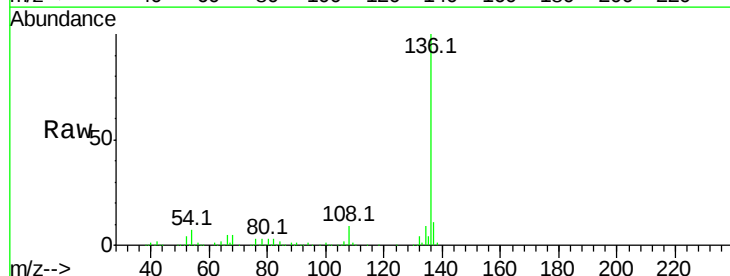
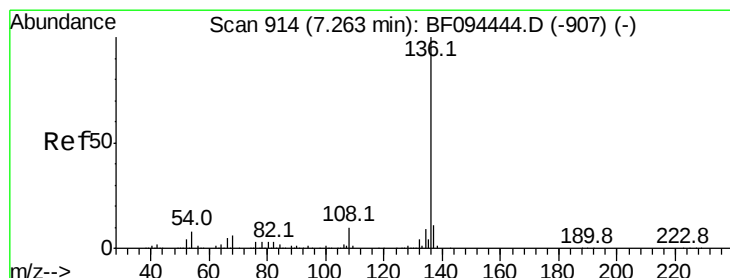
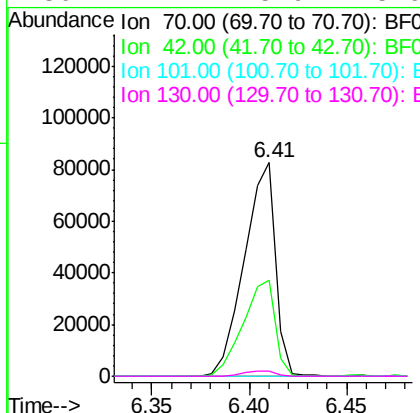




#19
n-Nitroso-di-n-propylamine
Concen: 13.40 ng
RT: 6.41 min Scan# 769
Delta R.T. 0.16 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

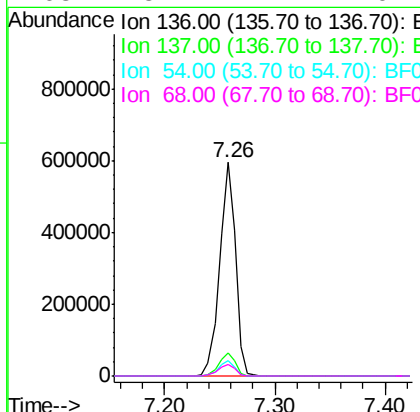
Instrument :
BNA_F
ClientSampleId :

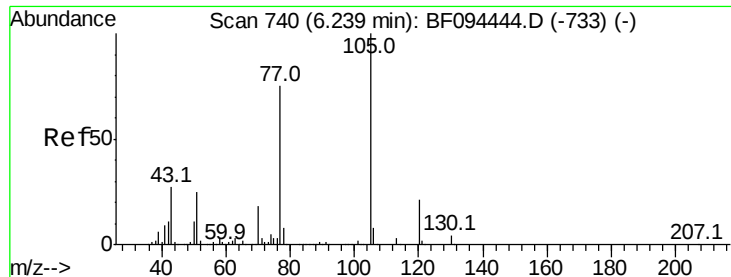
Tot Ion: 70 Resp: 91252
Ion Ratio Lower Upper
70 100
42 44.7 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

Tgt Ion:136 Resp: 594981
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.2 4.9 7.3
68 5.4 4.1 6.1





#22

Acetophenone

Concen: 0.04 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 616

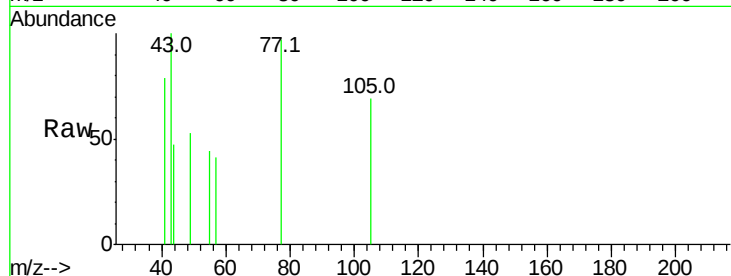
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#

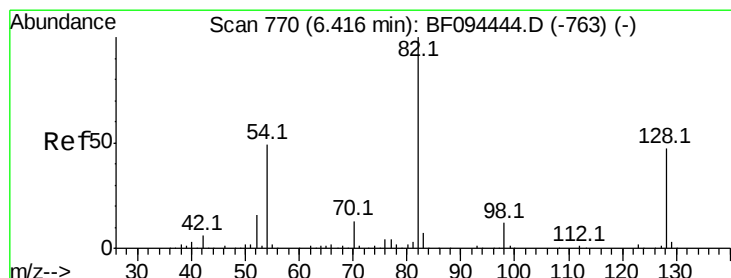
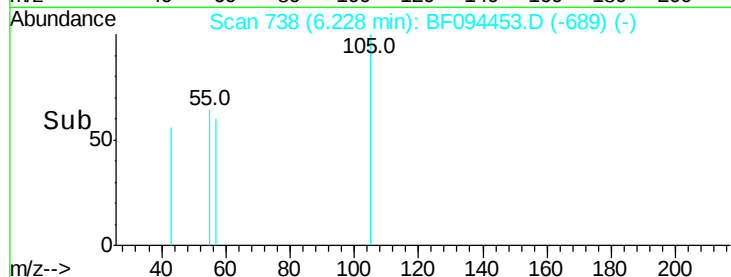
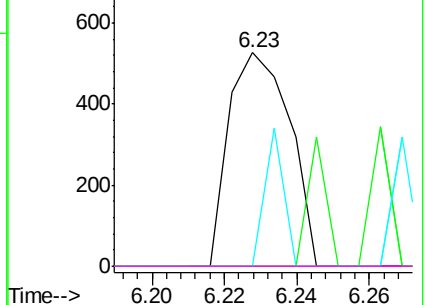


Abundance Ion 105.00 (104.70 to 105.70): E

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



#23

Nitrobenzene-d5

Concen: 72.50 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

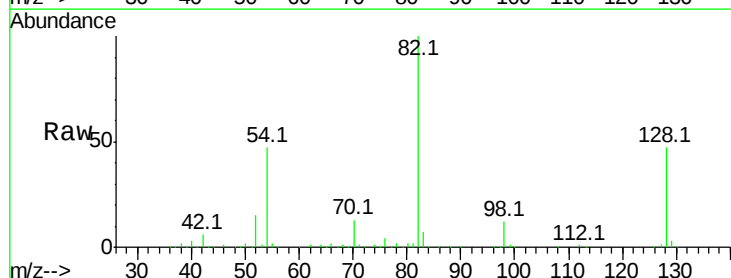
Tgt Ion: 82 Resp: 698600

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

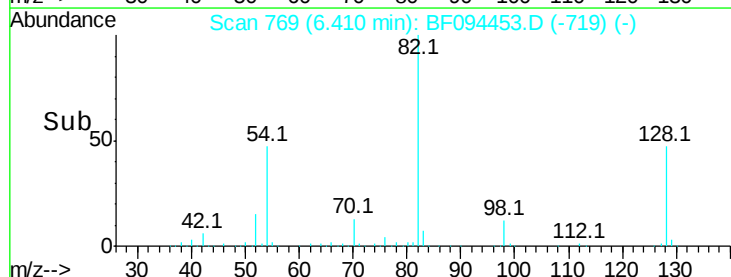
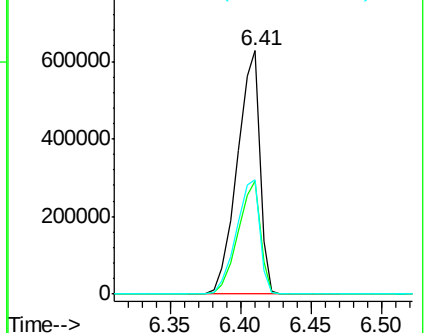
54 47.2 42.2 63.2

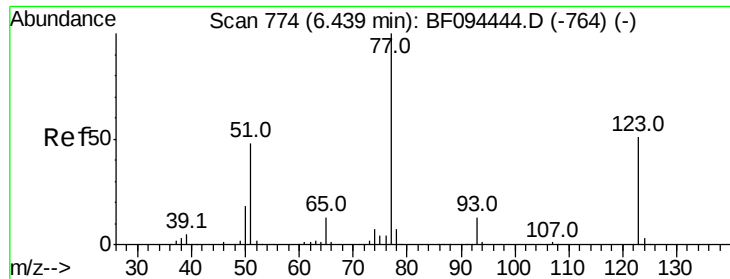


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

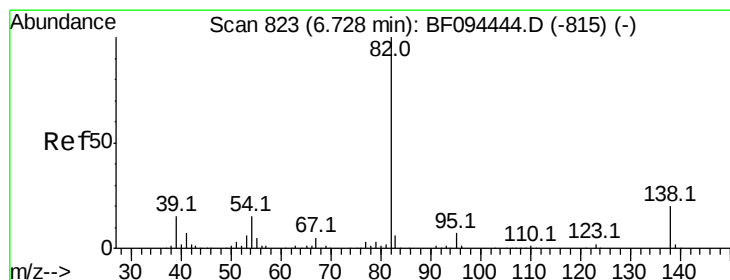
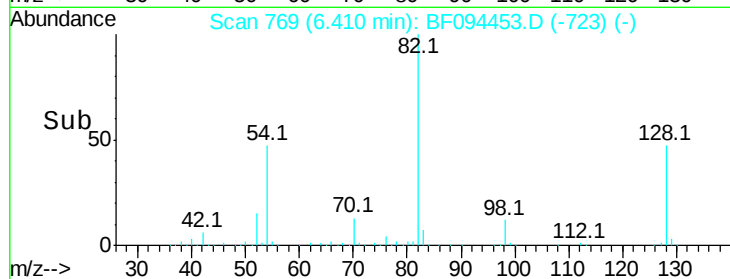
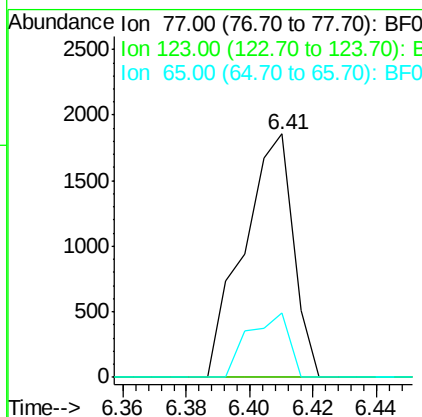
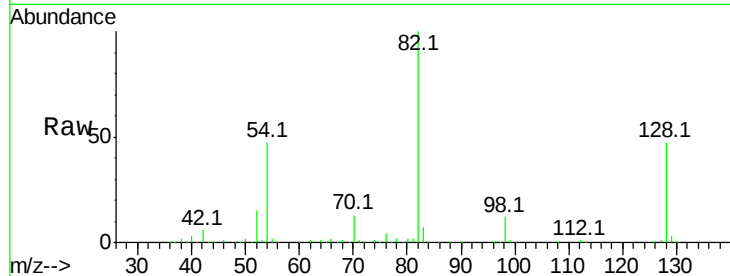




#24
 Nitrobenzene
 Concen: 0.20 ng
 RT: 6.41 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

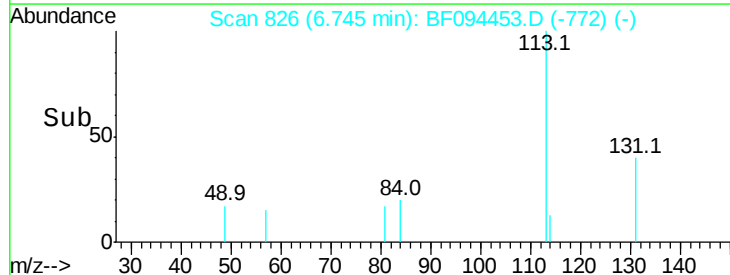
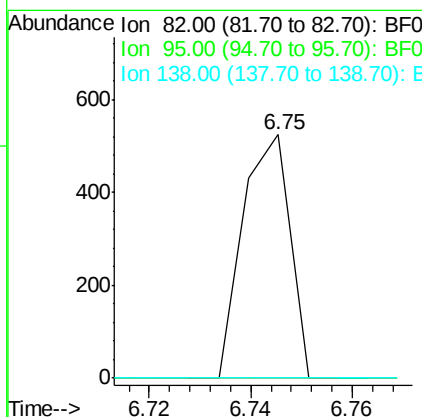
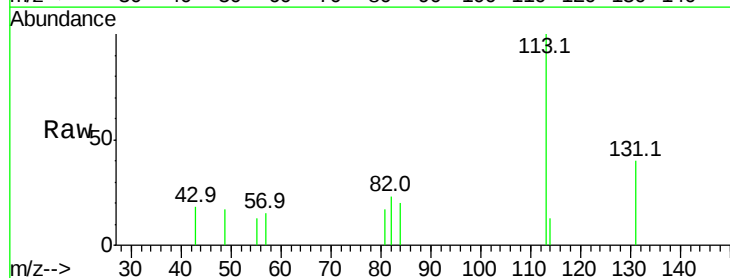
Instrument :
 BNA_F
 ClientSampled :

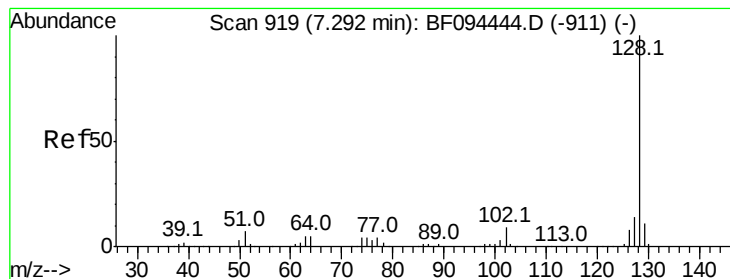
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.8	53.8#
65	26.3	10.6	15.8#



#25
 Isophorone
 Concen: 0.02 ng
 RT: 6.75 min Scan# 826
 Delta R.T. 0.02 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

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





#31

Naphthalene

Concen: 0.22 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

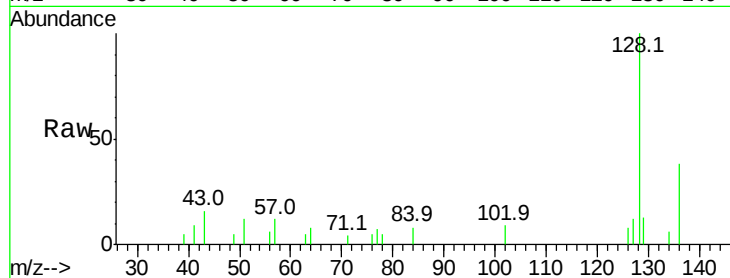
Tot Ion:128 Resp: 6317

Ion Ratio Lower Upper

128 100

129 13.1 9.0 13.6

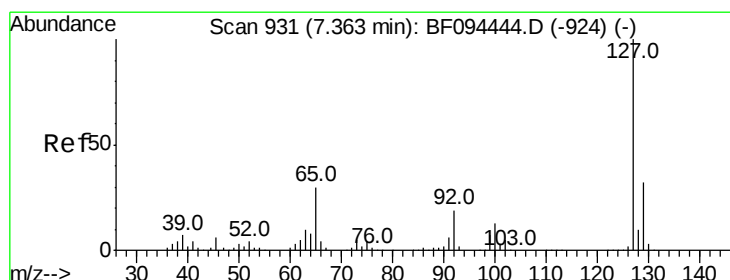
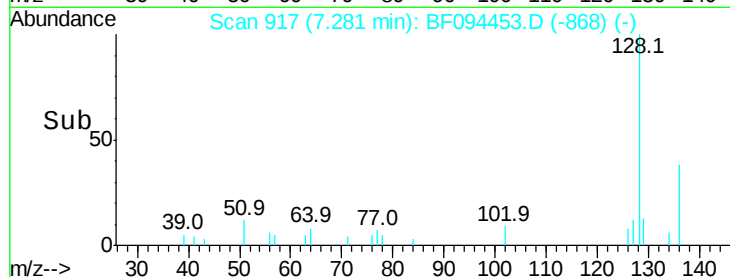
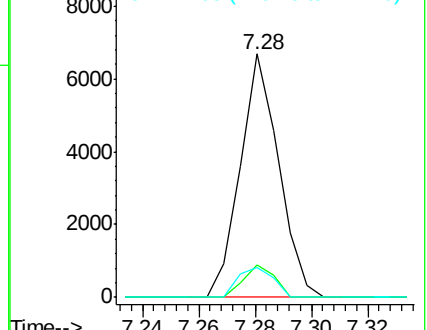
127 12.2 10.8 16.2



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: 0.06 ng

RT: 7.28 min Scan# 917

Delta R.T. -0.08 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Tgt Ion:127 Resp: 715

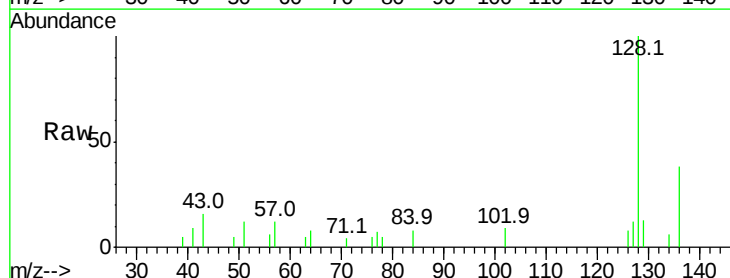
Ion Ratio Lower Upper

127 100

129 107.7 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

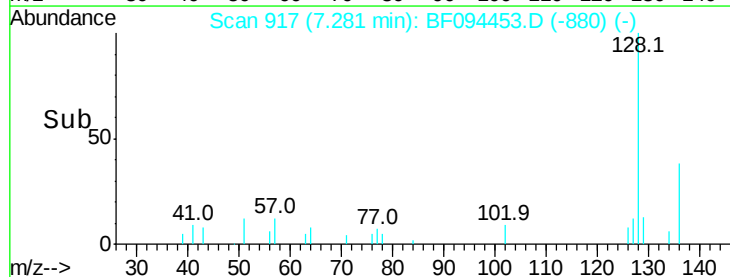
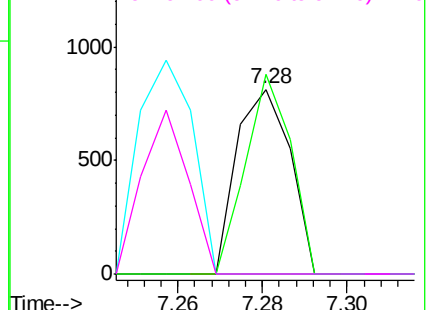


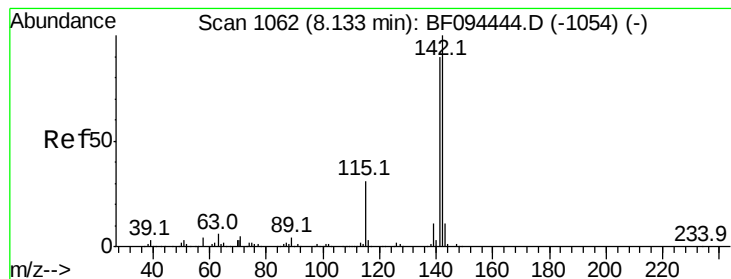
Abundance Ion 127.00 (126.70 to 127.70): E

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





#37

2-Methylnaphthalene

Concen: 0.11 ng

RT: 8.13 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

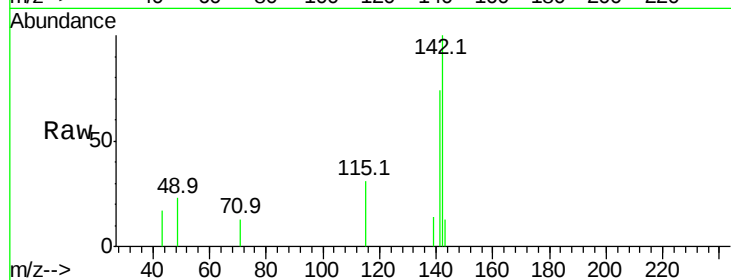
Tot Ion:142 Resp: 2201

Ion Ratio Lower Upper

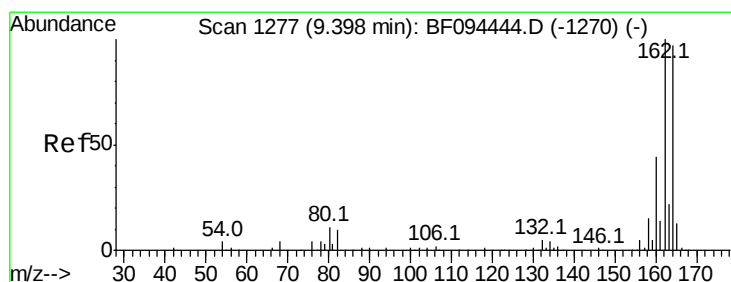
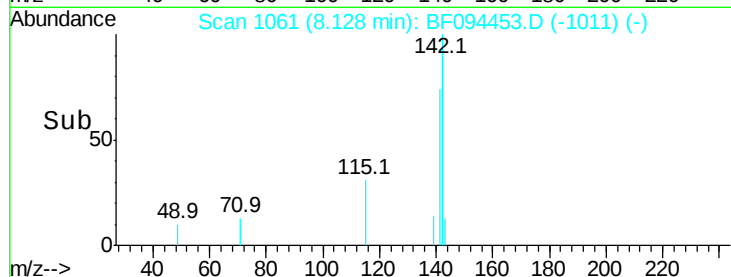
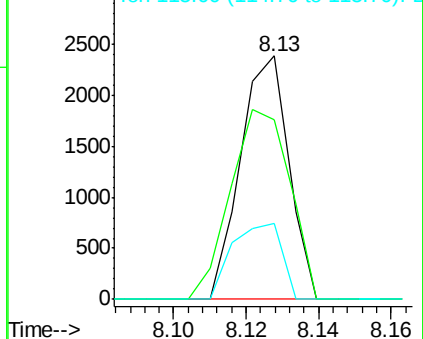
142 100

141 73.5 71.3 106.9

115 31.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.39 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

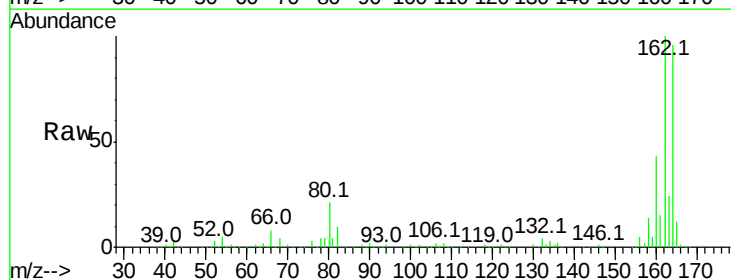
Tgt Ion:164 Resp: 271136

Ion Ratio Lower Upper

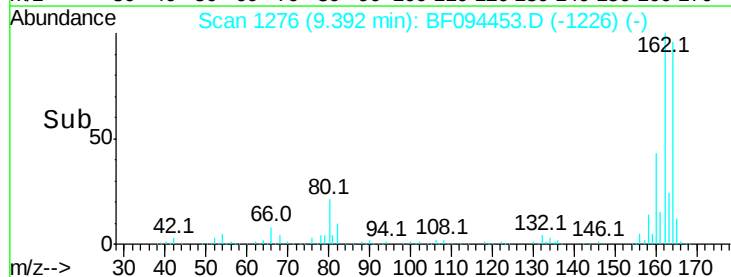
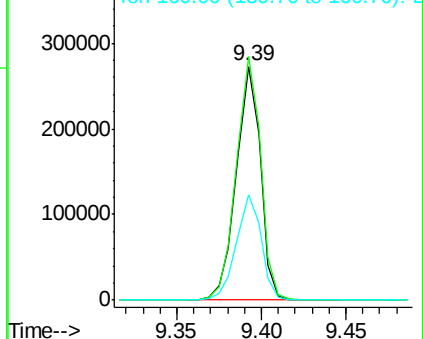
164 100

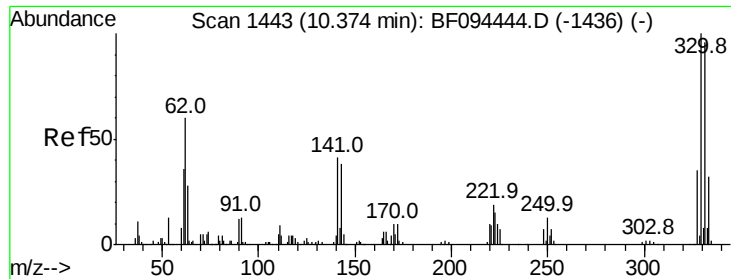
162 104.3 82.6 123.8

160 45.3 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

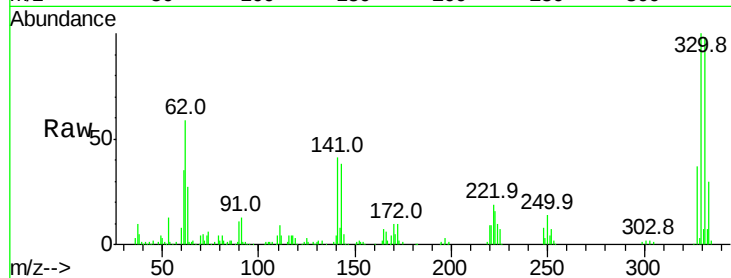




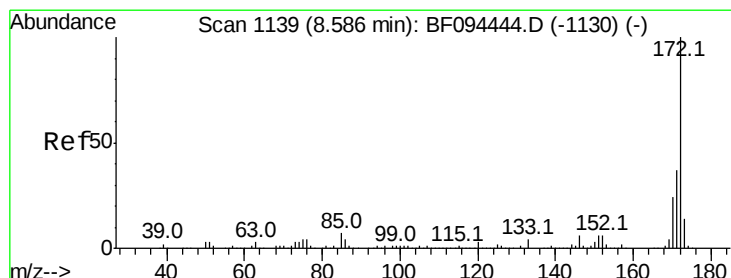
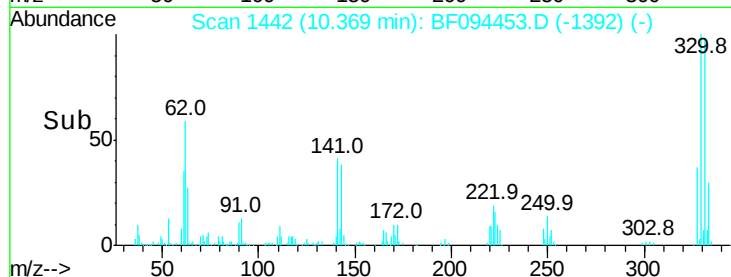
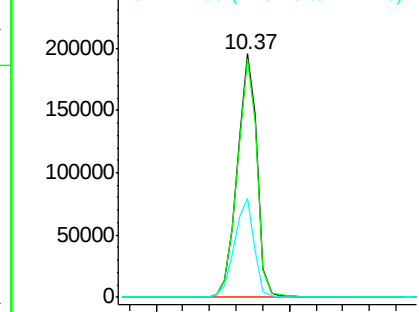
#41
 2,4,6-Tribromophenol
 Concen: 95.88 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	40.8	31.4	47.2

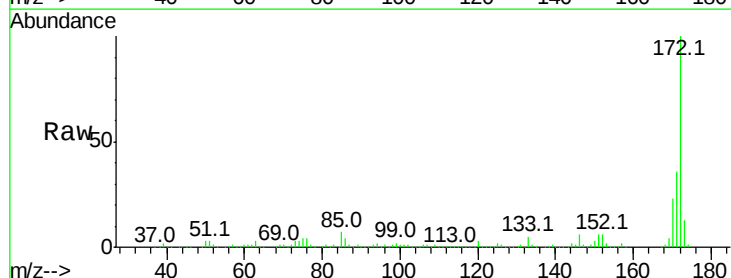


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

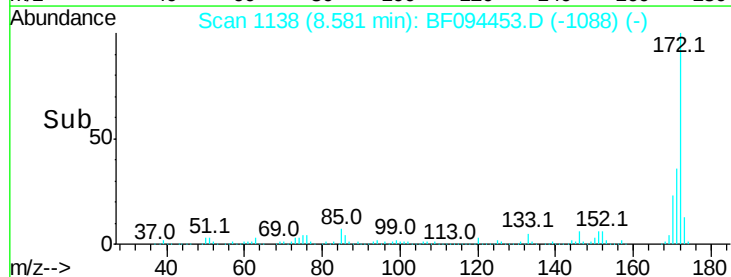
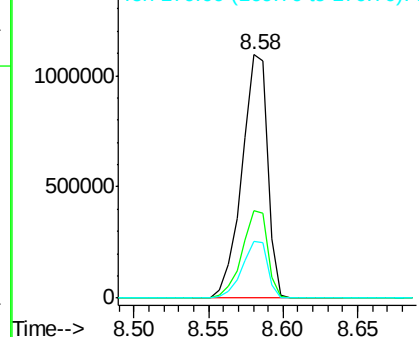


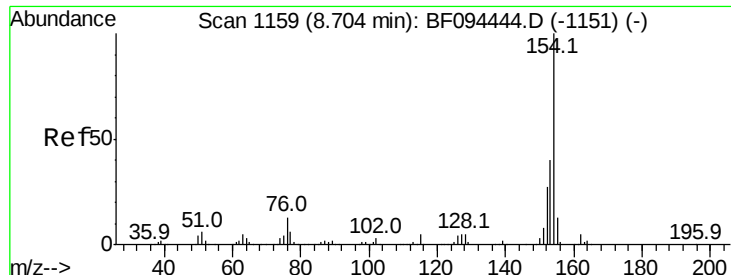
#44
 2-Fluorobiphenyl
 Concen: 71.26 ng
 RT: 8.58 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.4	19.8	29.8



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





#45

1,1'-Biphenyl

Concen: 0.06 ng

RT: 8.70 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

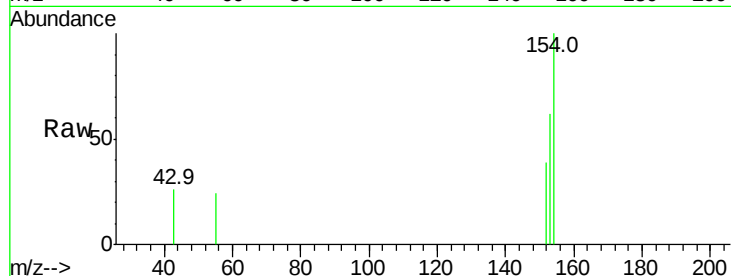
Tot Ion:154 Resp: 1323

Ion Ratio Lower Upper

154 100

153 62.3 21.2 61.2#

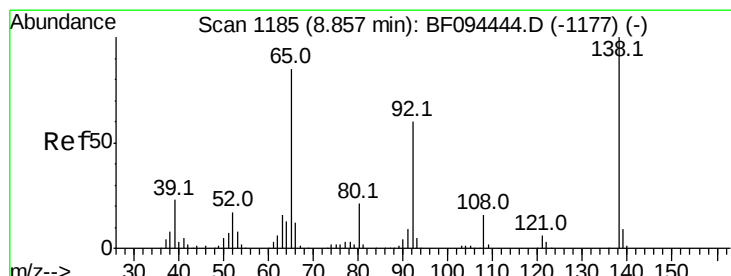
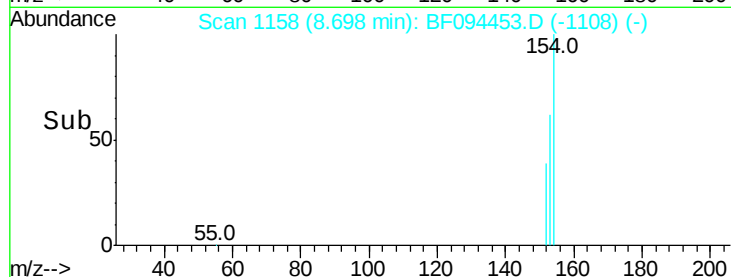
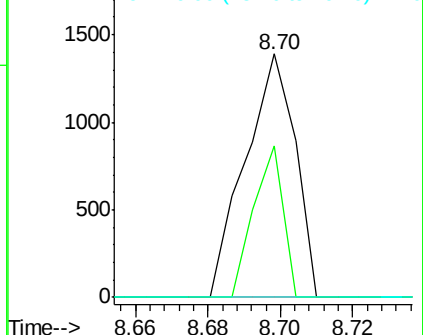
76 0.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#47

2-Nitroaniline

Concen: 0.02 ng

RT: 8.76 min Scan# 1169

Delta R.T. -0.09 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

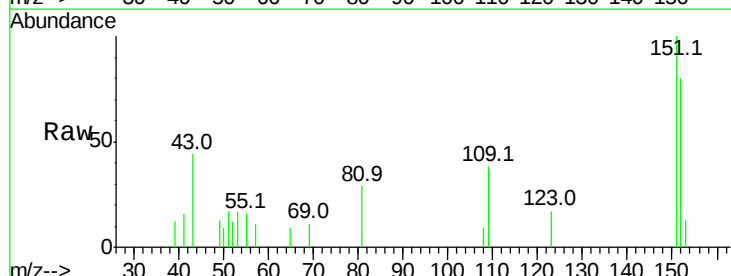
Tgt Ion: 65 Resp: 113

Ion Ratio Lower Upper

65 100

92 0.0 53.9 80.9#

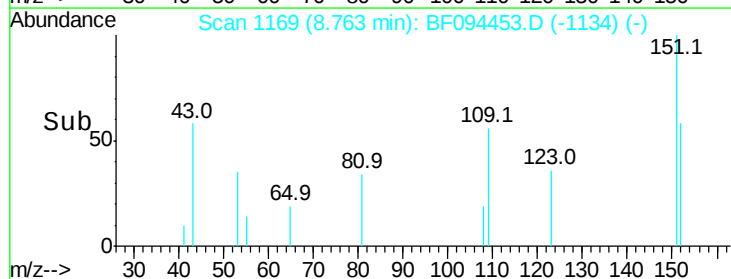
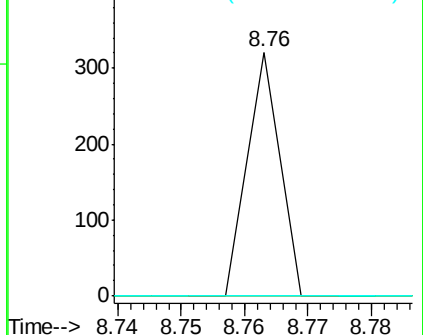
138 0.0 78.8 118.2#

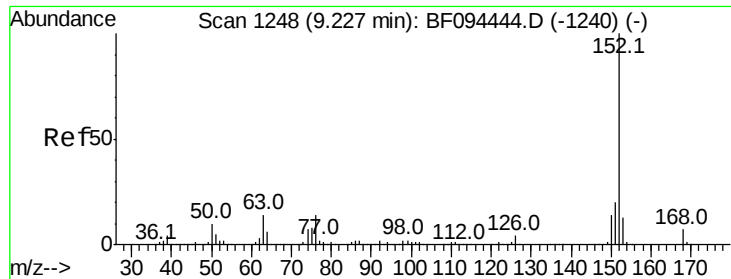


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.00 ng

RT: 9.22 min Scan# 1246

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampled :

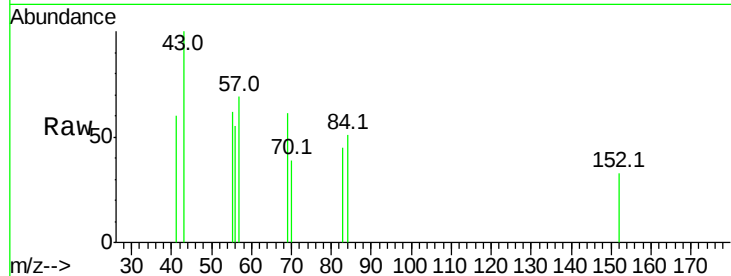
Tot Ion:152 Resp: 116

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#

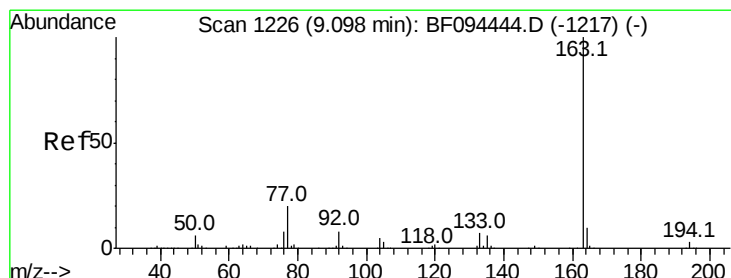
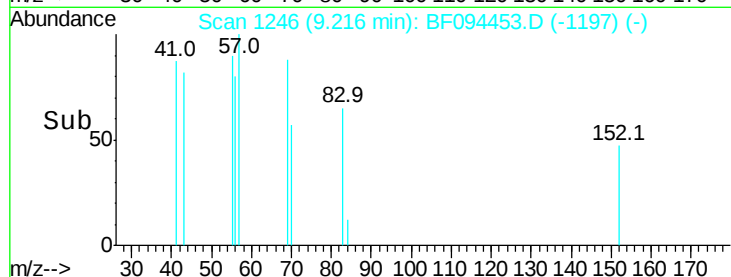
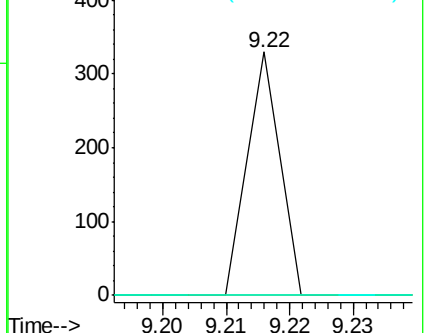
153 0.0 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.99 ng

RT: 9.08 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

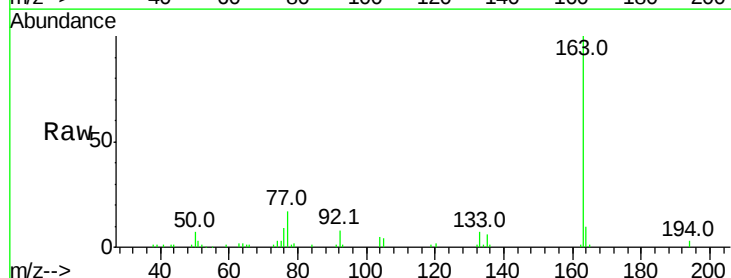
Tgt Ion:163 Resp: 60491

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

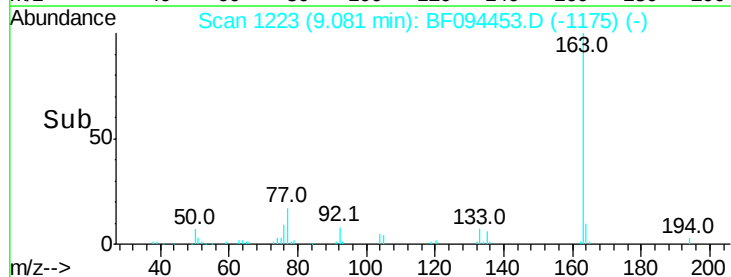
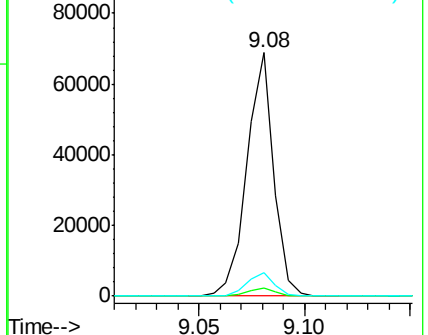
164 9.9 8.4 12.6

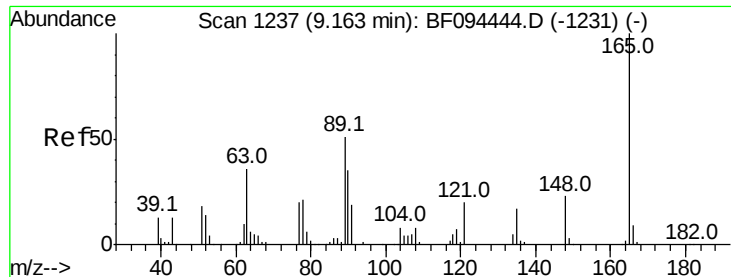


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 7.67 ng

RT: 9.39 min Scan# 1276

Delta R.T. 0.23 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

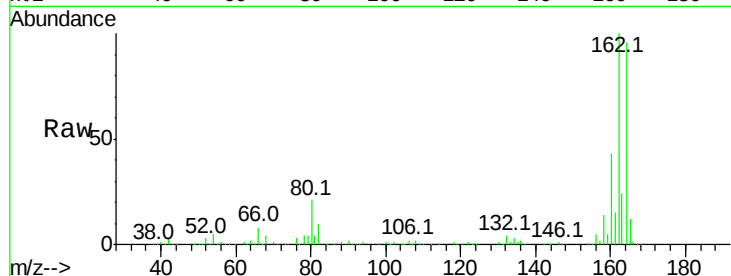
Tot Ion:165 Resp: 34808

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

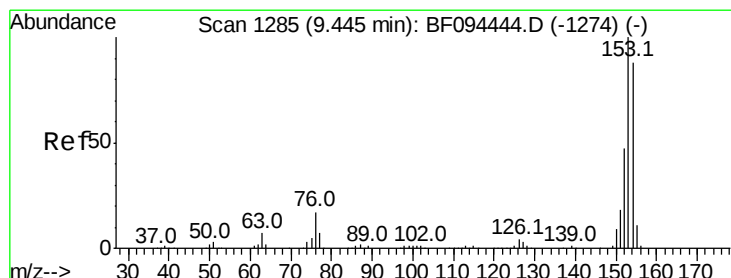
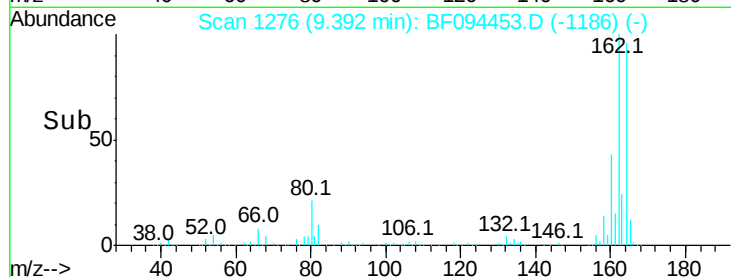
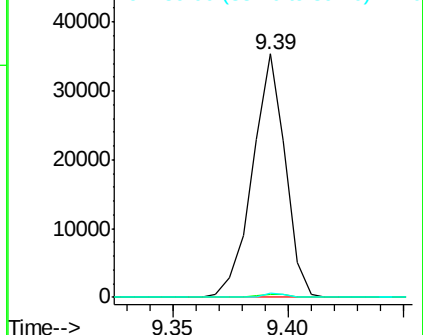
89 1.7 37.1 55.7#



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: 9.39 min Scan# 1276

Delta R.T. -0.05 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

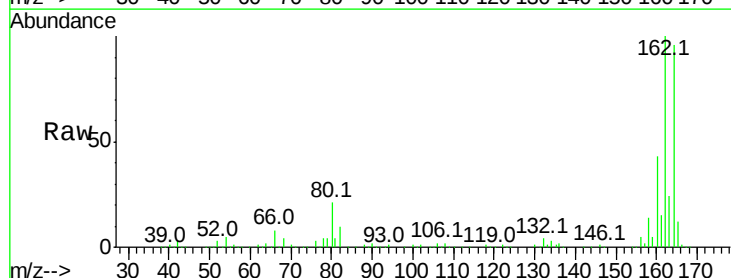
Tgt Ion:154 Resp: 1012

Ion Ratio Lower Upper

154 100

153 0.0 90.5 135.7#

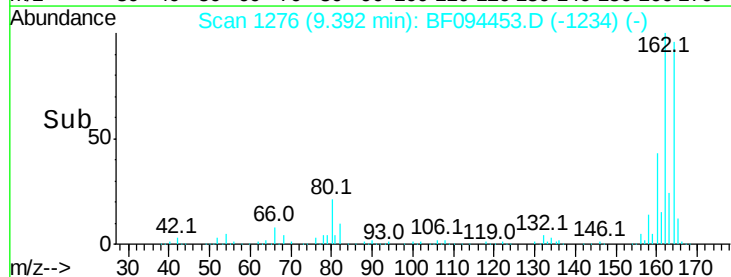
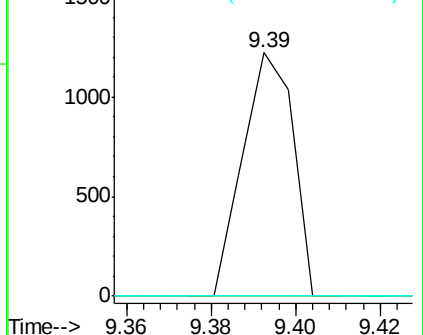
152 0.0 43.6 65.4#

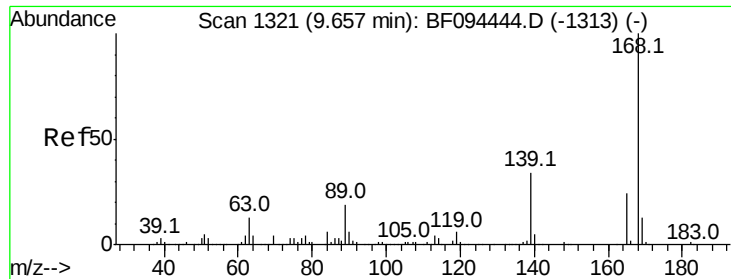


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 0.05 ng

RT: 9.65 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

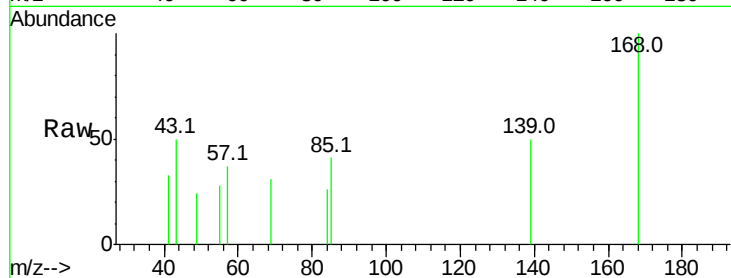
Tot Ion:168 Resp: 1296

Ion Ratio Lower Upper

168 100

139 50.3 30.6 45.8#

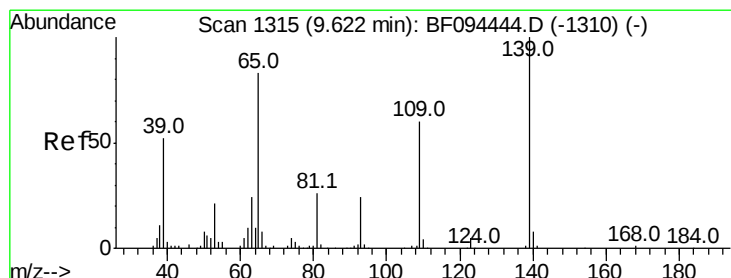
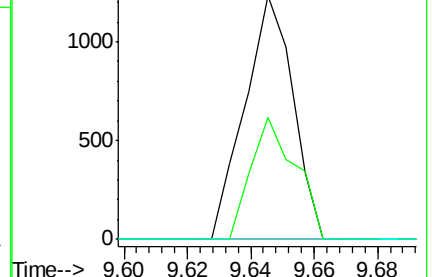
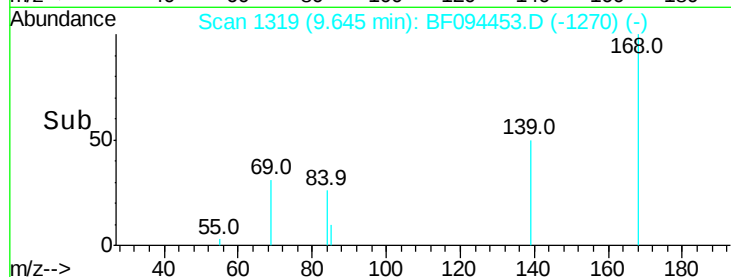
169 0.0 10.8 16.2#



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: 0.16 ng

RT: 9.65 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

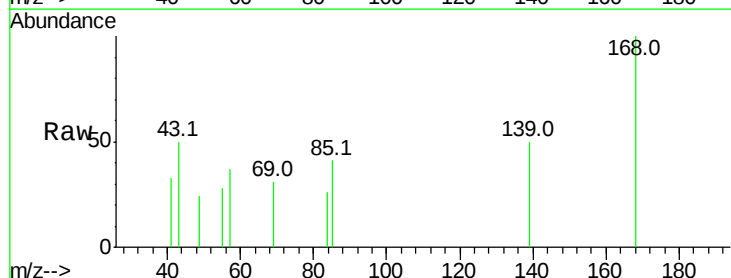
Tgt Ion:139 Resp: 600

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

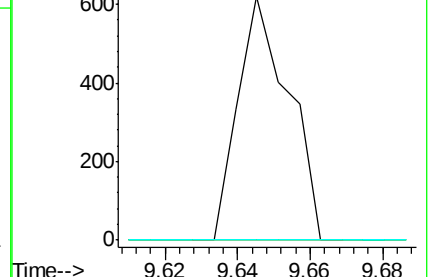
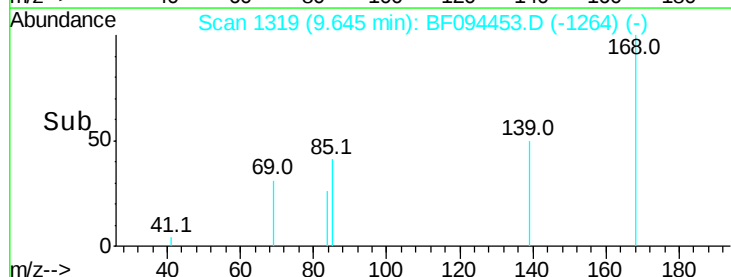
65 0.0 31.4 71.4#

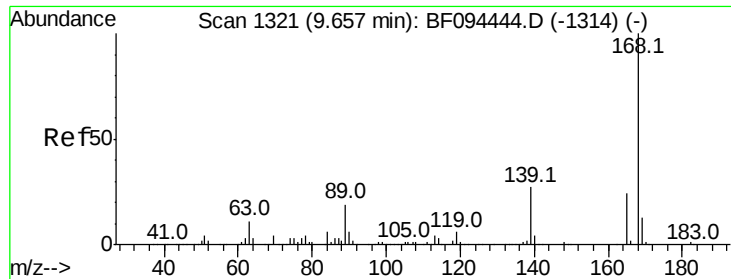


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

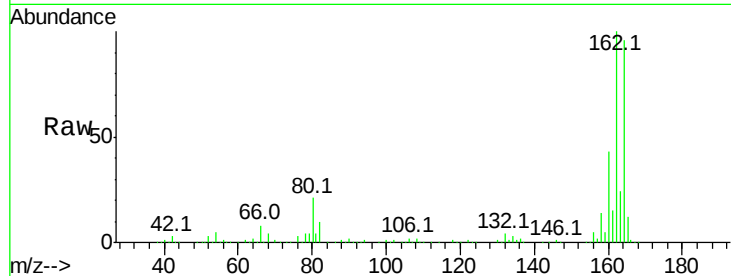




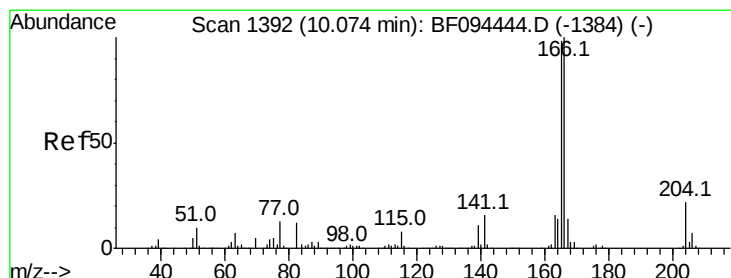
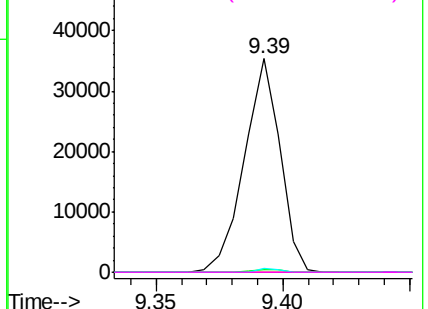
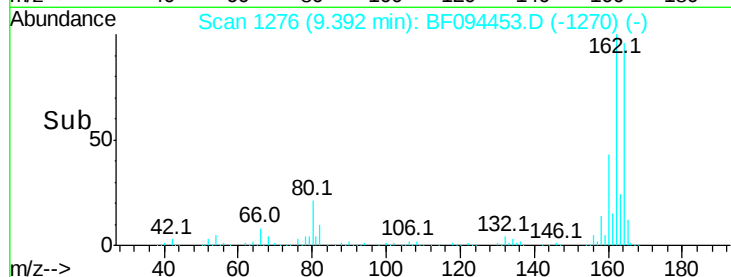
#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.26 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 34807
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.7 46.4 69.6#
 182 0.0 1.8 2.6#

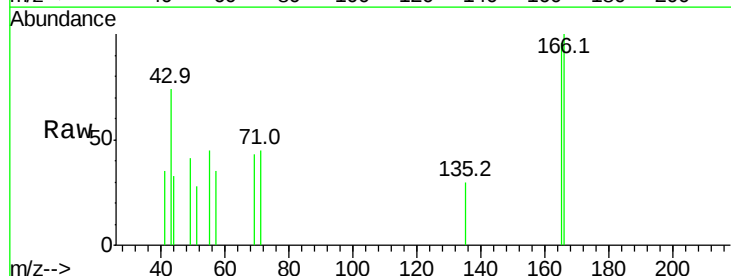


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

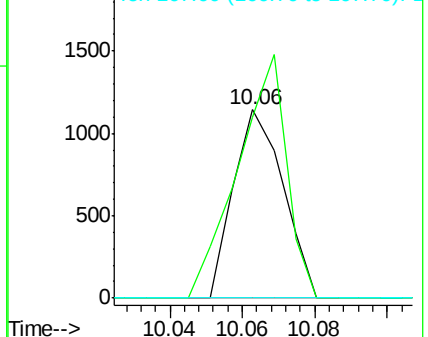
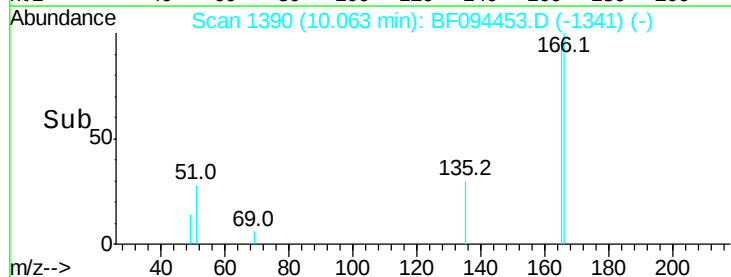


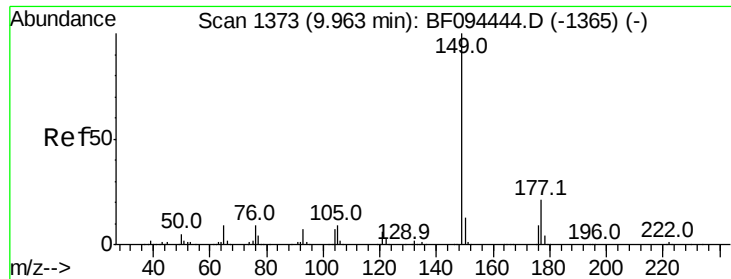
#57
 Fluorene
 Concen: 0.06 ng
 RT: 10.06 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Tgt Ion:166 Resp: 1089
 Ion Ratio Lower Upper
 166 100
 165 96.4 78.8 118.2
 167 0.0 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 0.09 ng

RT: 9.95 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

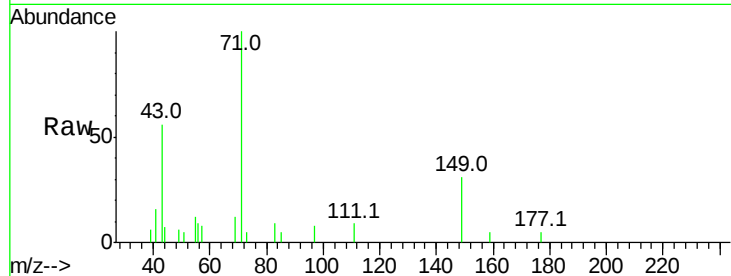
Tot Ion:149 Resp: 1741

Ion Ratio Lower Upper

149 100

177 17.8 16.7 25.1

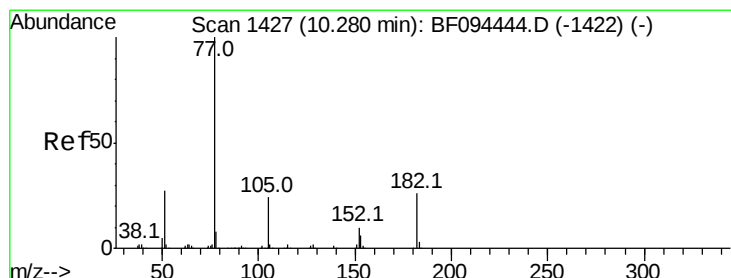
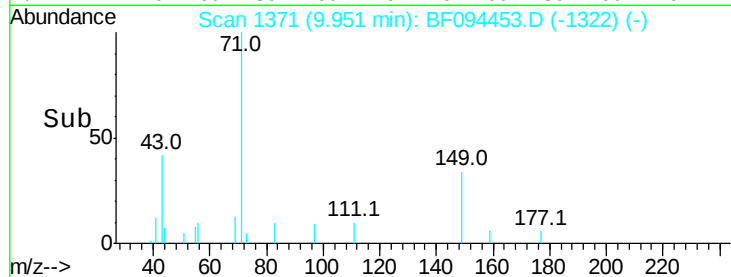
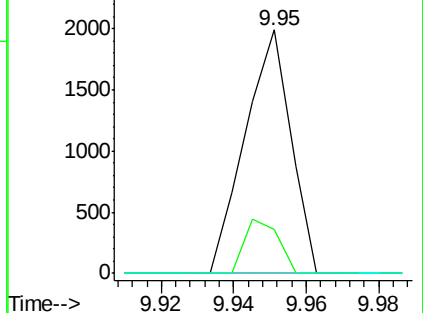
150 0.0 10.2 15.2#



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: 0.07 ng

RT: 10.37 min Scan# 1442

Delta R.T. 0.09 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Tgt Ion: 77 Resp: 1356

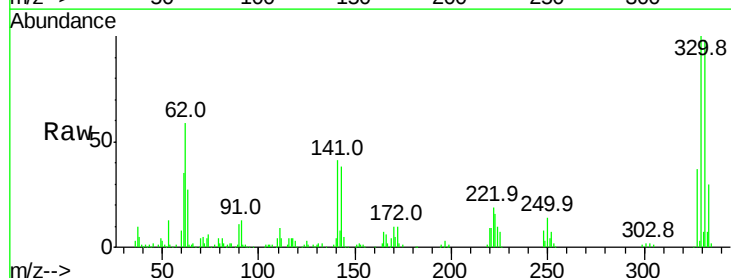
Ion Ratio Lower Upper

77 100

182 55.9 0.1 40.1#

105 78.7 3.6 43.6#

51 84.4 9.4 49.4#

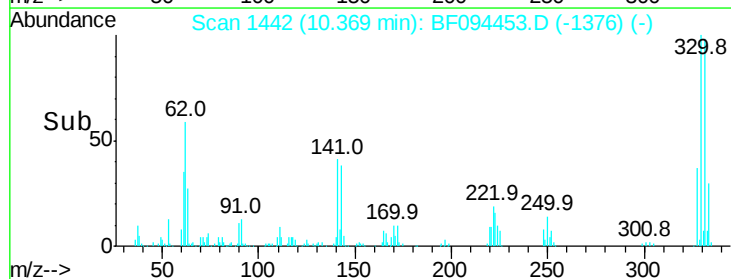
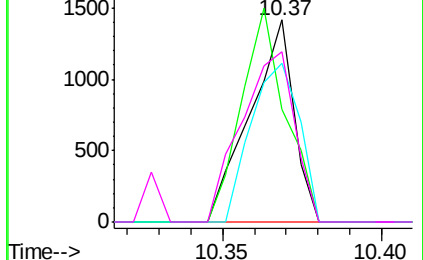


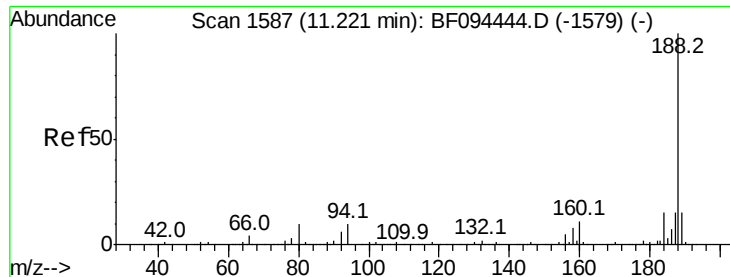
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

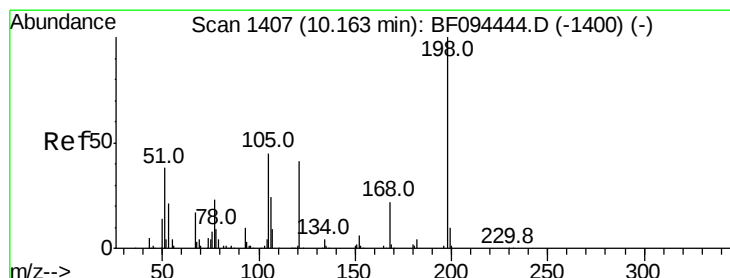
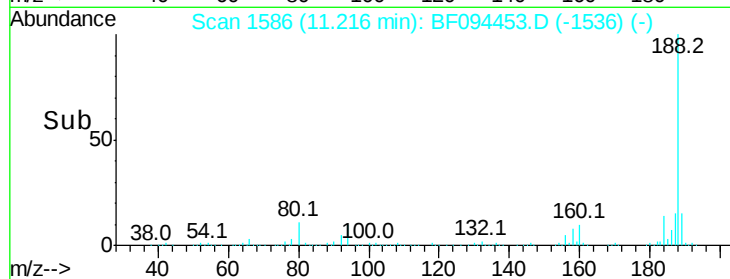
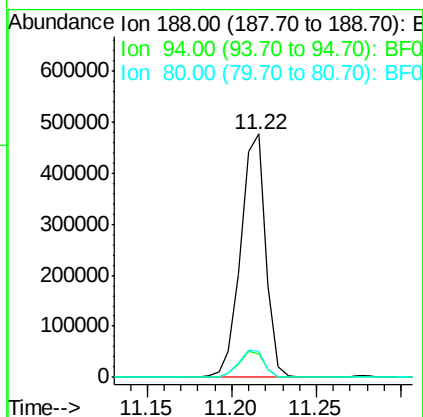
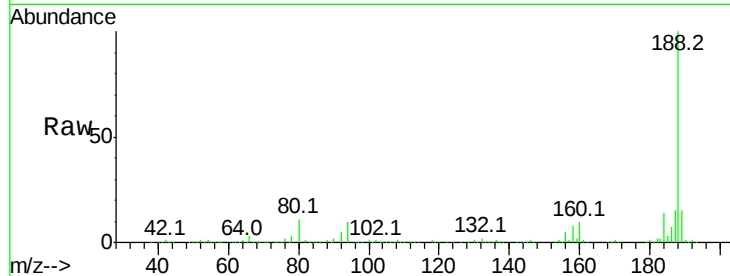




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

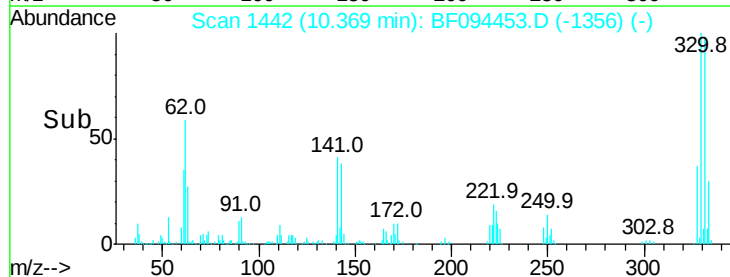
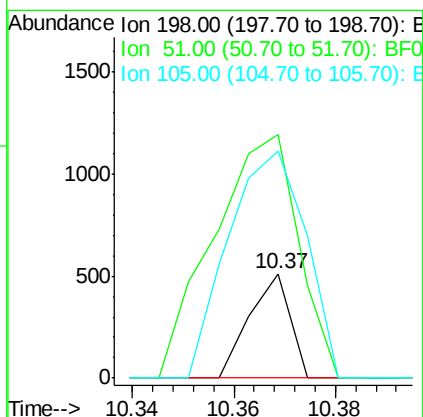
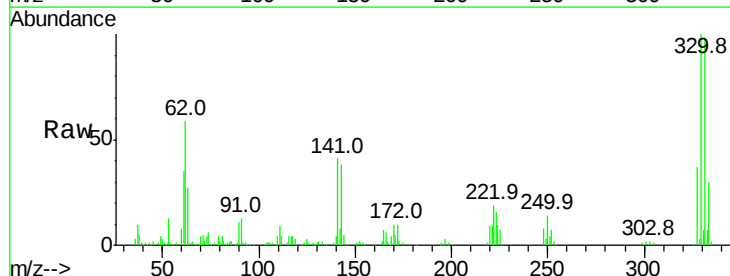
Instrument :
 BNA_F
 ClientSampleId :

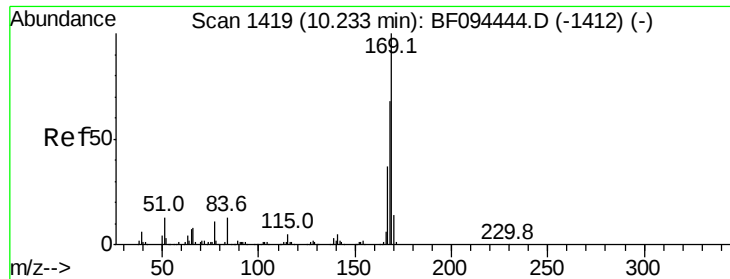
Tot Ion:188 Resp: 491860
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.4 14.2
 80 10.6 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.09 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. 0.21 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Tgt Ion:198 Resp: 289
 Ion Ratio Lower Upper
 198 100
 51 233.2 53.2 93.2#
 105 217.6 45.8 85.8#

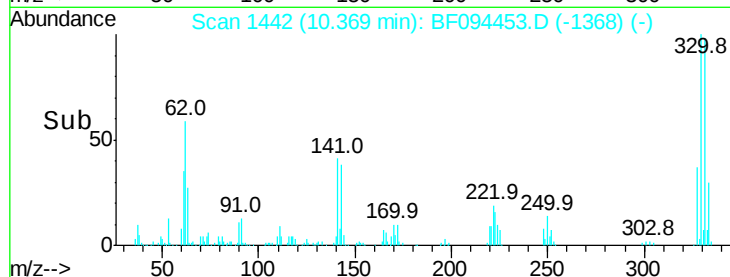
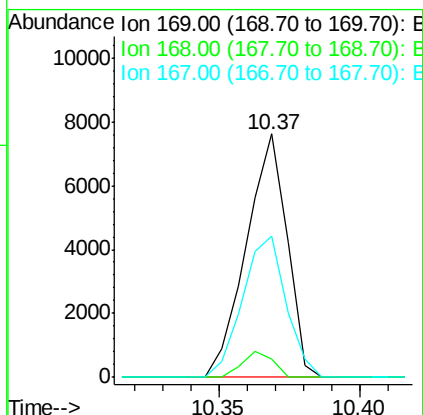
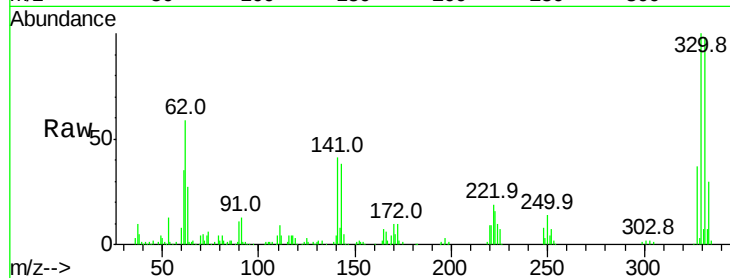




#65
 n-Nitrosodiphenylamine
 Concen: 0.45 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. 0.14 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

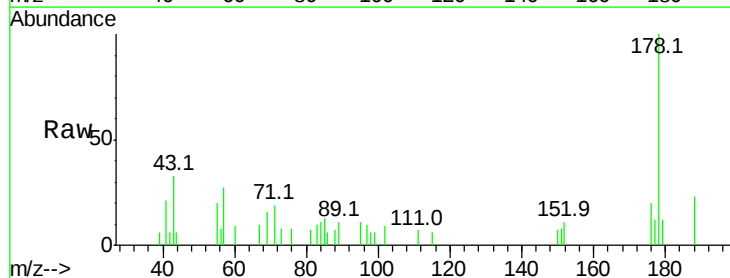
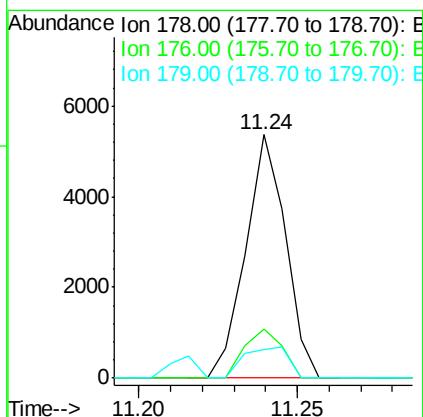
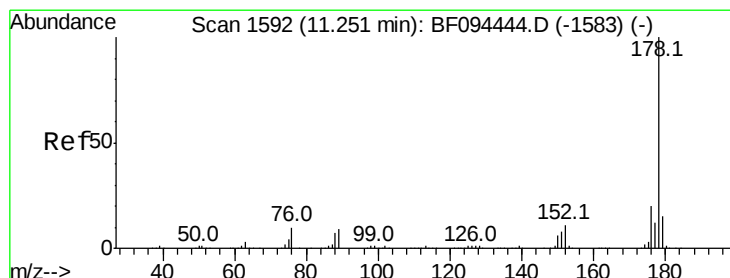
Instrument :
 BNA_F
 ClientSampleId :

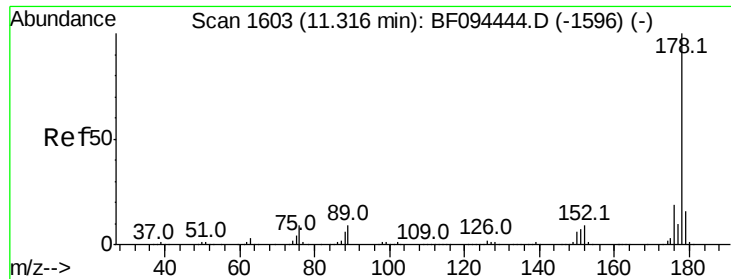
Tot Ion:169 Resp: 7628
 Ion Ratio Lower Upper
 169 100
 168 7.8 53.2 79.8#
 167 57.9 29.5 44.3#



#70
 Phenanthrene
 Concen: 0.17 ng
 RT: 11.24 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Tgt Ion:178 Resp: 4705
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 11.9 12.6 19.0#

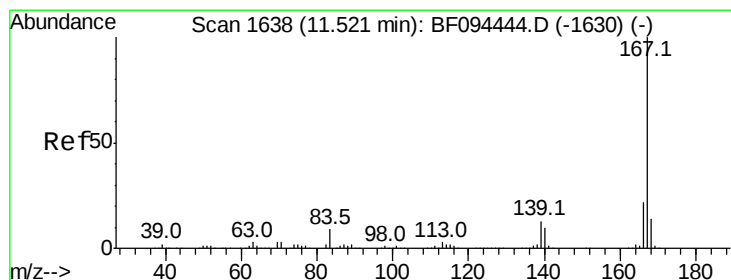
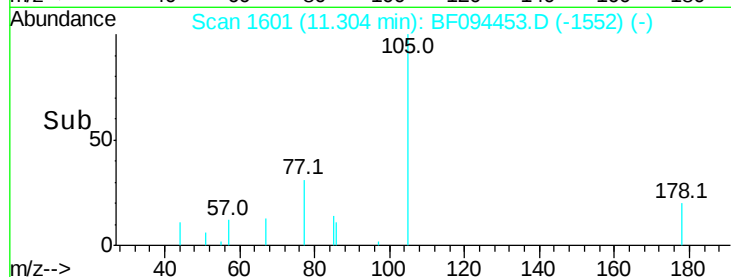
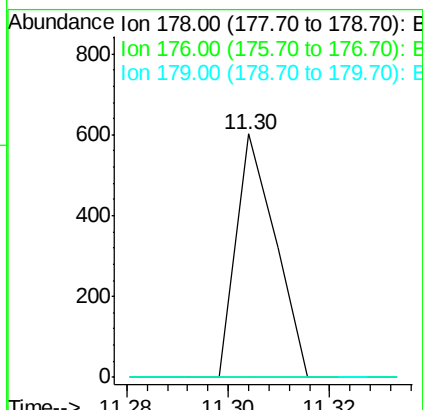
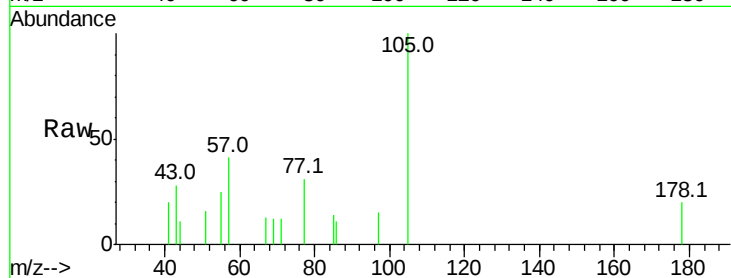




#71
 Anthracene
 Concen: 0.01 ng
 RT: 11.30 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

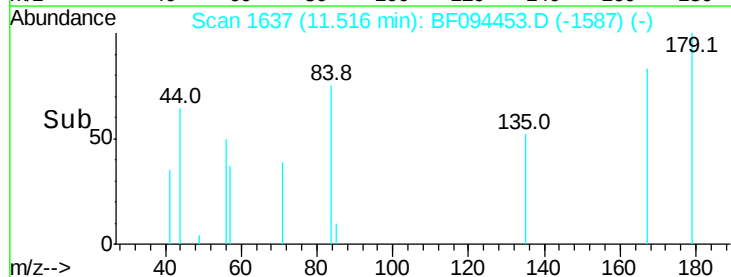
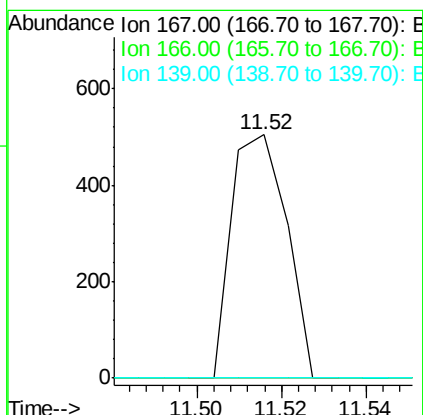
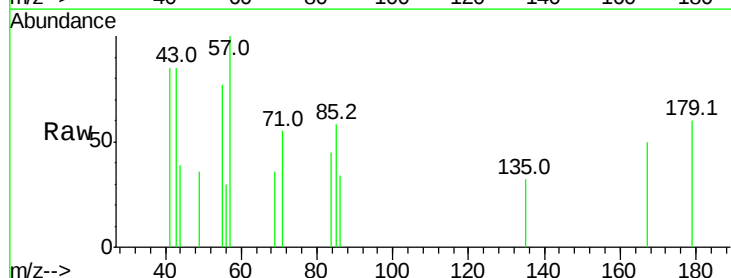
Instrument :
 BNA_F
 ClientSampleId :

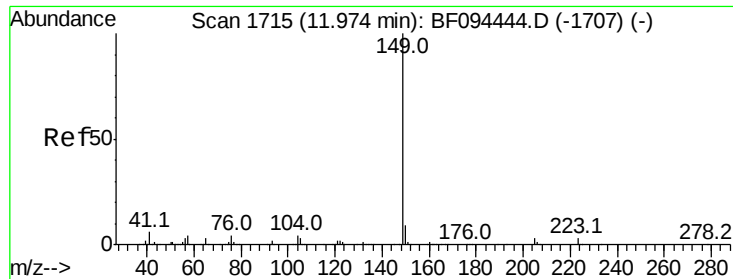
Tot Ion:178 Resp: 326
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.8 23.8#
 179 0.0 12.7 19.1#



#72
 Carbazole
 Concen: 0.02 ng
 RT: 11.52 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Tgt Ion:167 Resp: 457
 Ion Ratio Lower Upper
 167 100
 166 0.0 18.1 27.1#
 139 0.0 11.7 17.5#





#73

Di-n-butylphthalate

Concen: 0.13 ng

RT: 11.96 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

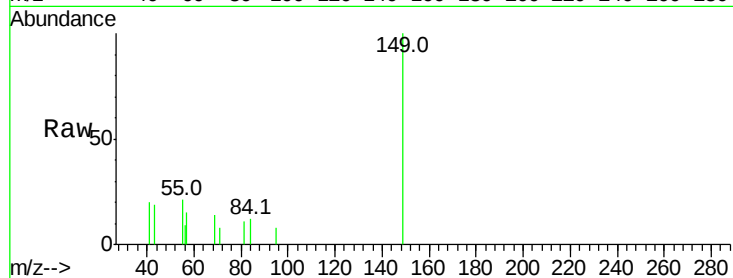
Tot Ion:149 Resp: 3786

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

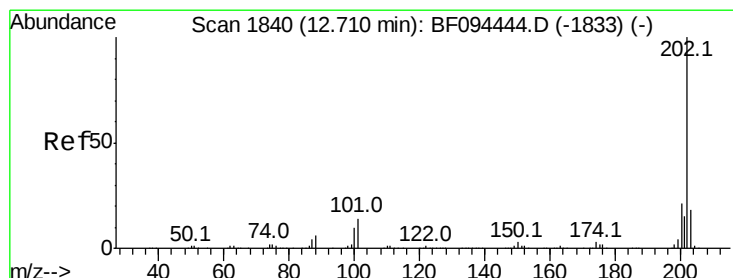
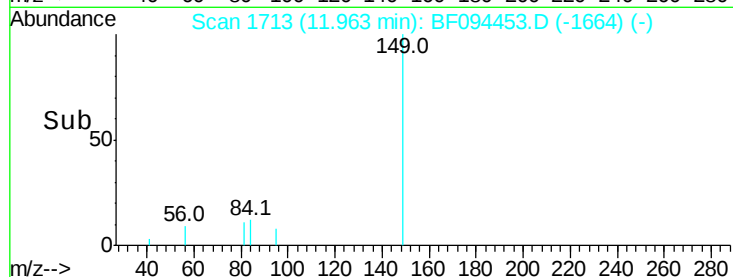
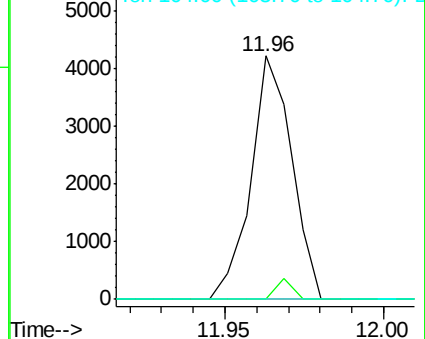
104 0.0 4.0 6.0#



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: 0.05 ng

RT: 12.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

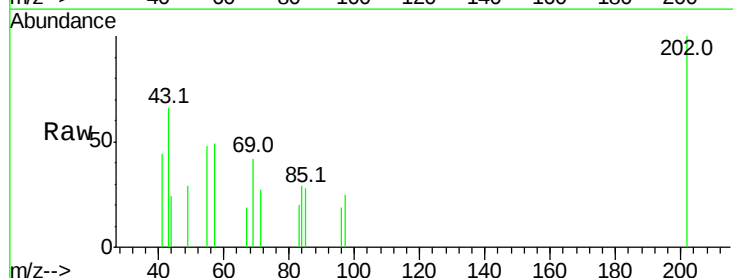
Tgt Ion:202 Resp: 1425

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.2

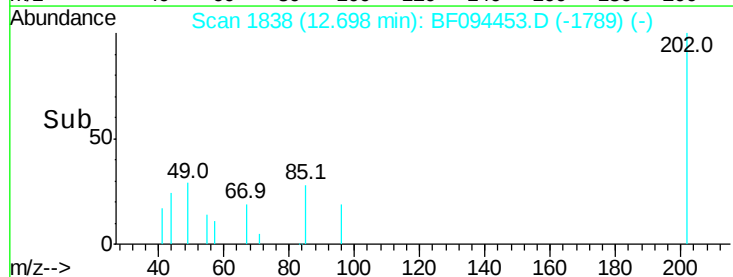
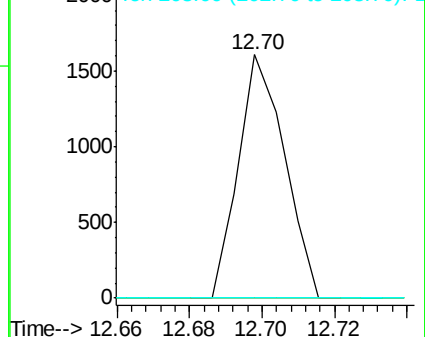
203 0.0 0.0 38.1

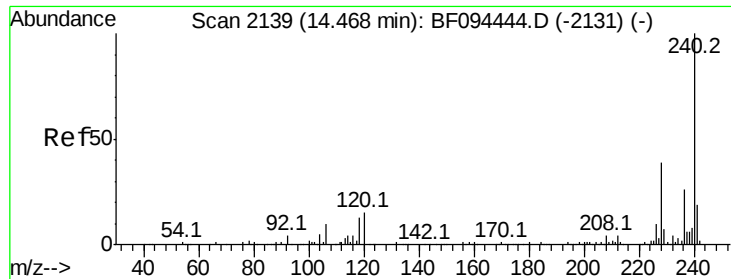


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampled :

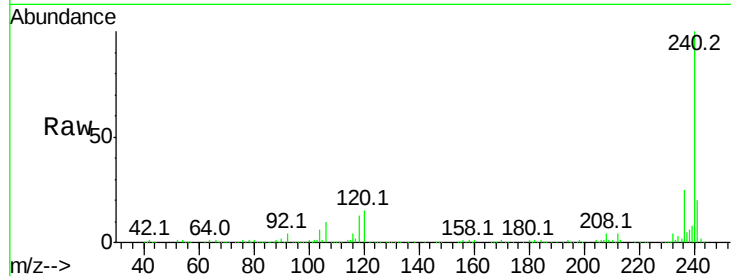
Tot Ion:240 Resp: 417095

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

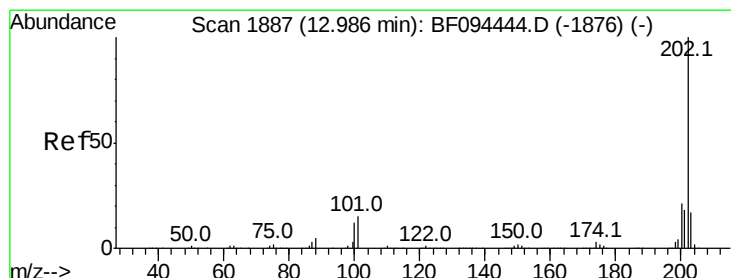
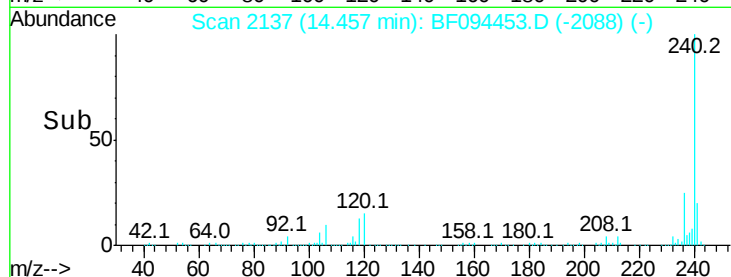
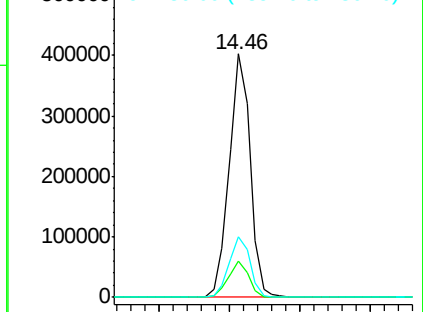
236 24.9 20.5 30.7



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: 0.07 ng

RT: 12.97 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

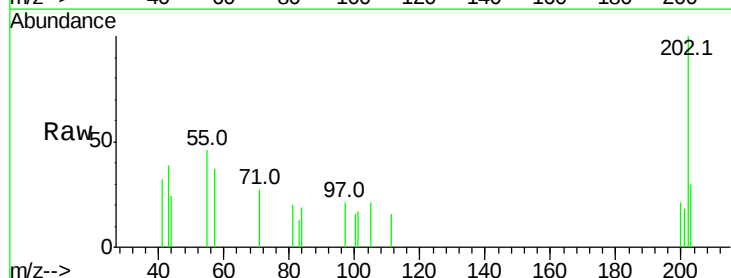
Tgt Ion:202 Resp: 2068

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

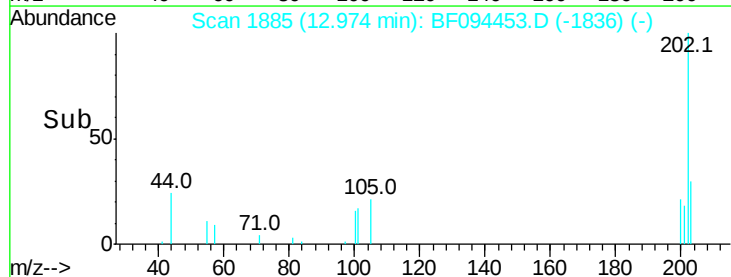
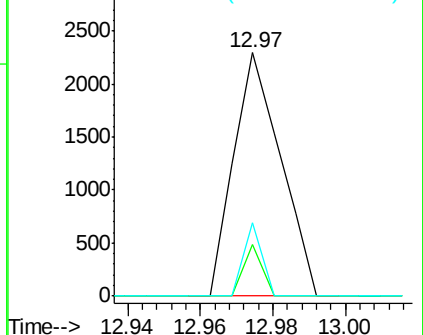
203 30.4 14.4 21.6#

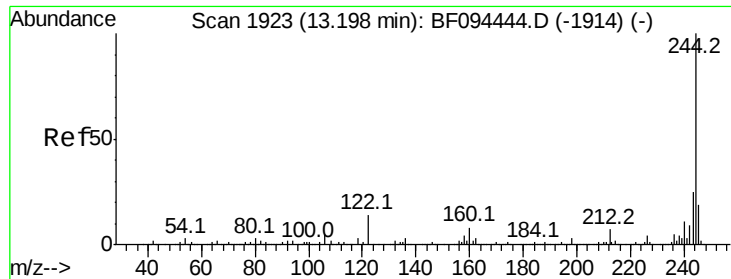


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

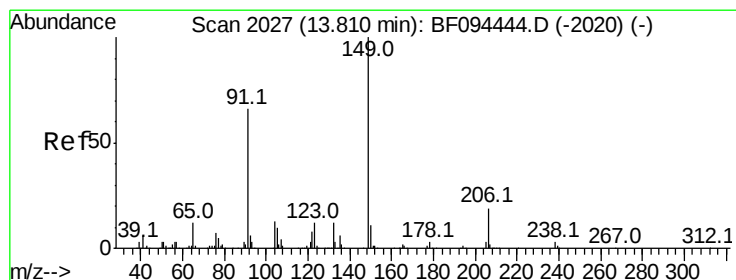
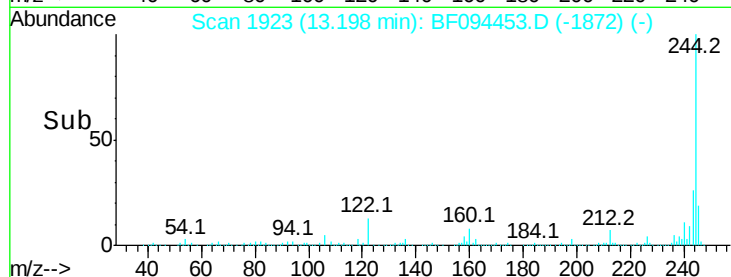
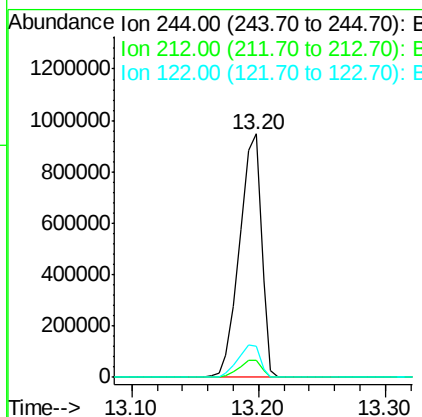
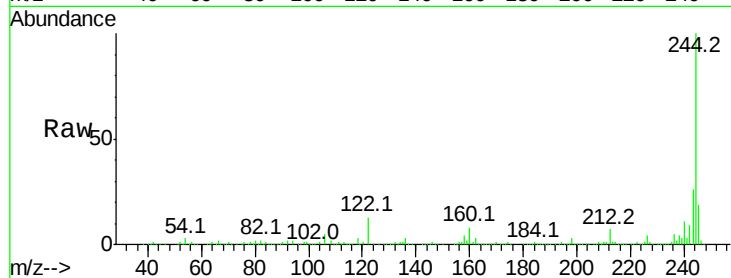




#78
 Terphenyl-d14
 Concen: 72.55 ng
 RT: 13.20 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

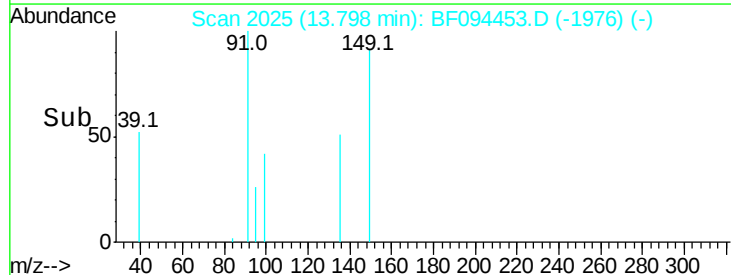
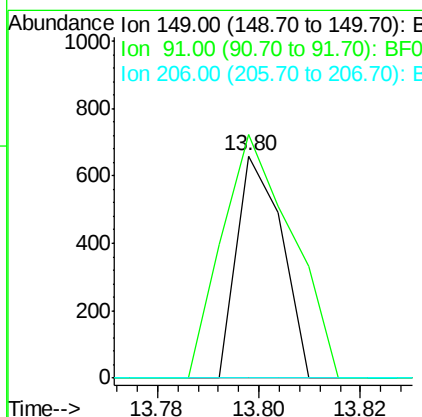
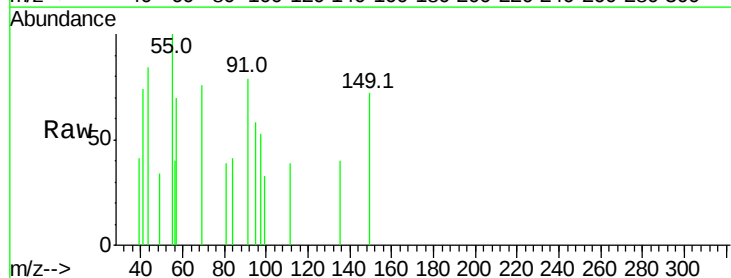
Instrument :
 BNA_F
 ClientSampleId :

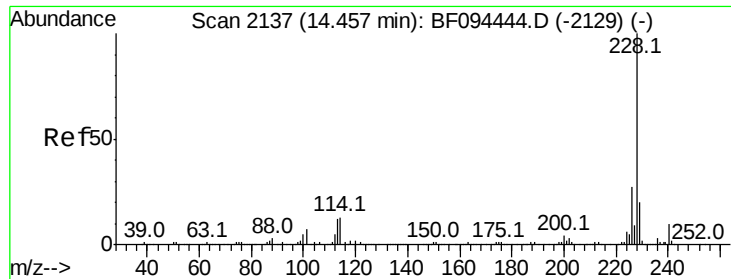
Tot Ion:244 Resp: 1132065
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 12.9 10.3 15.5



#79
 Butylbenzylphthalate
 Concen: 0.03 ng
 RT: 13.80 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Tgt Ion:149 Resp: 406
 Ion Ratio Lower Upper
 149 100
 91 109.5 45.0 67.4#
 206 0.0 17.0 25.6#





#80

Benzo(a)anthracene

Concen: 0.09 ng

RT: 14.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

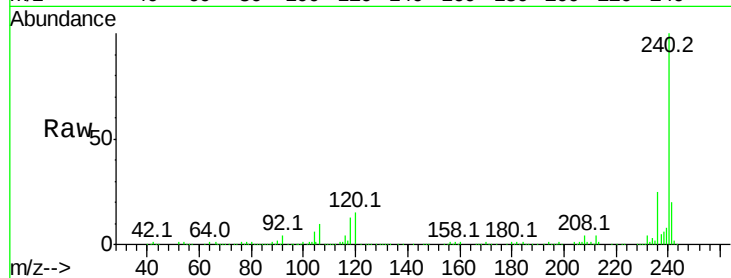
Tot Ion:228 Resp: 2126

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

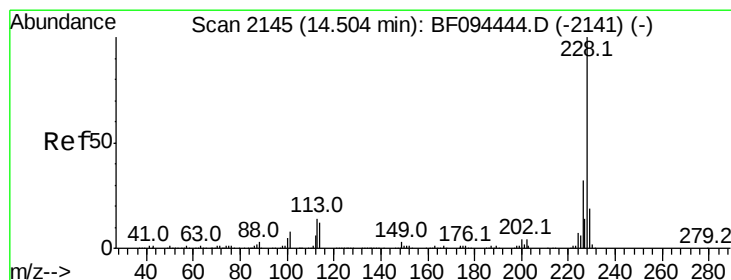
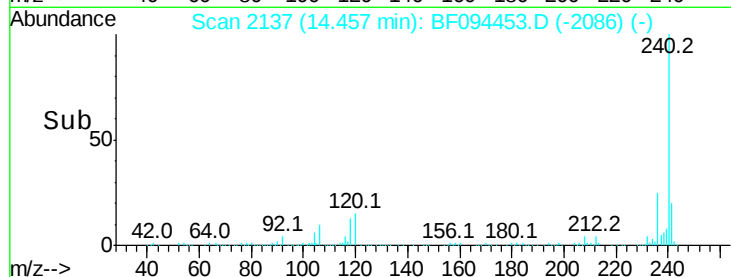
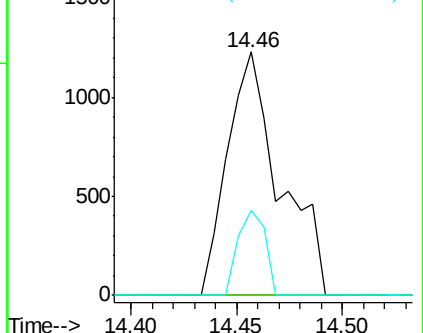
229 35.0 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.10 ng

RT: 14.46 min Scan# 2137

Delta R.T. -0.05 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

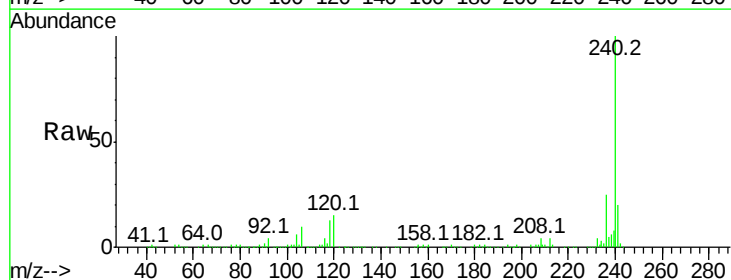
Tgt Ion:228 Resp: 2126

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

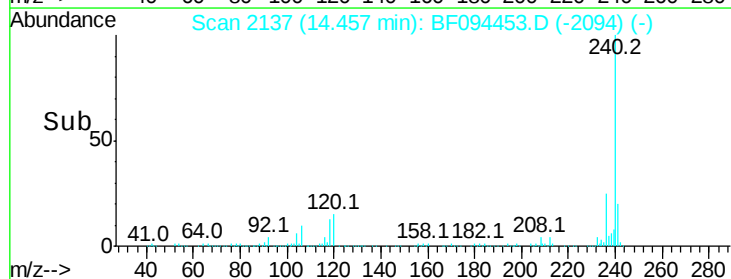
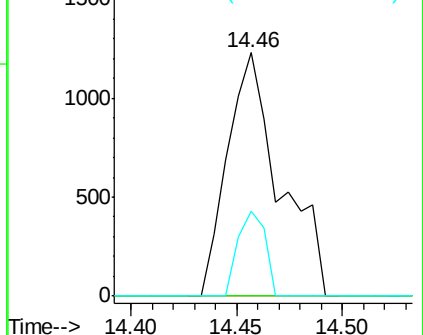
229 35.0 15.8 23.6#

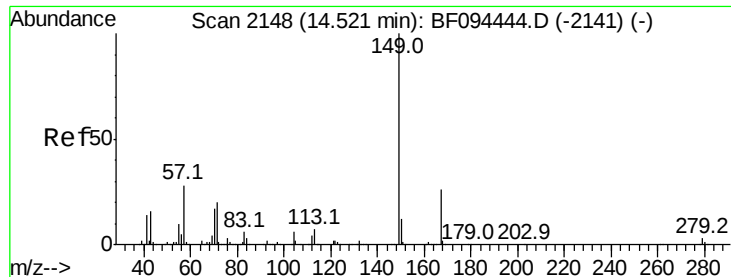


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

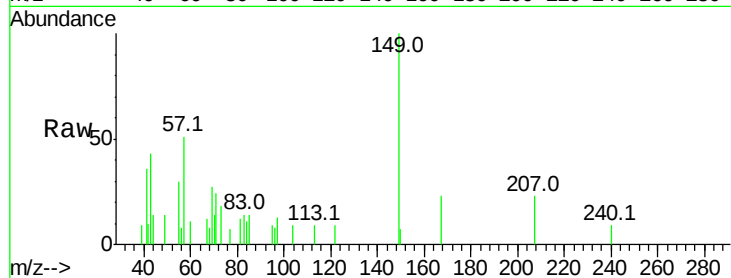




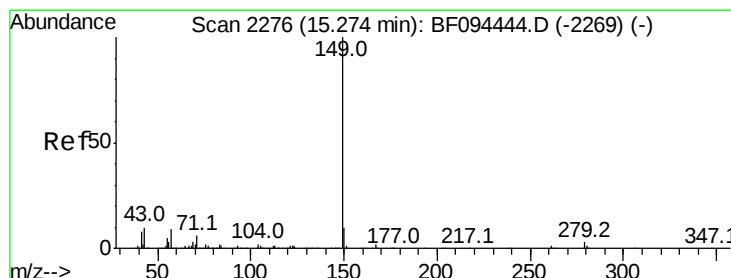
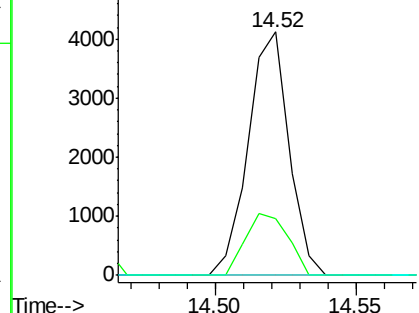
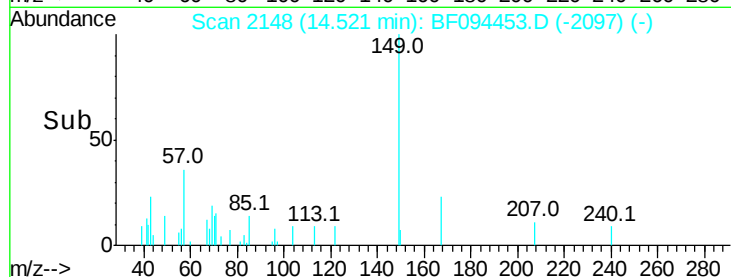
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.24 ng
 RT: 14.52 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 4118
 Ion Ratio Lower Upper
 149 100
 167 23.3 21.0 31.4
 279 0.0 1.9 2.9#

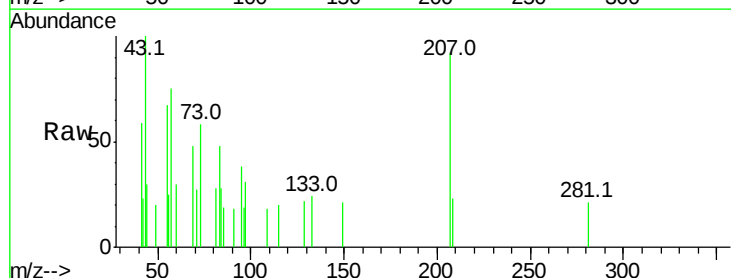


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

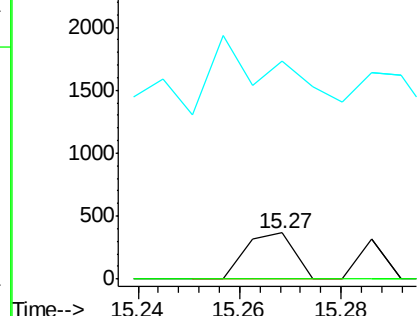
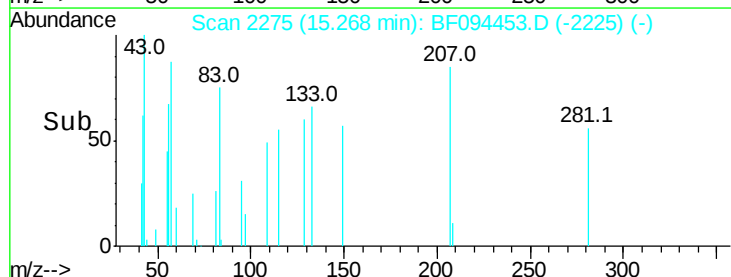


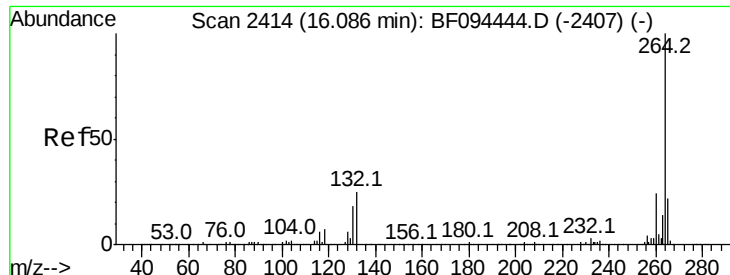
#84
 Di-n-octyl phthalate
 Concen: 0.01 ng
 RT: 15.27 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF094453.D
 Acq: 17 Apr 2017 17:01

Tgt Ion:149 Resp: 241
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 288.4 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

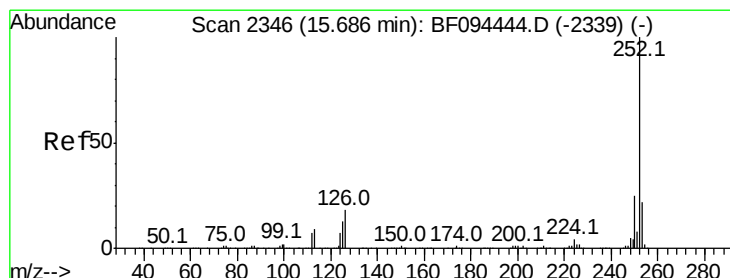
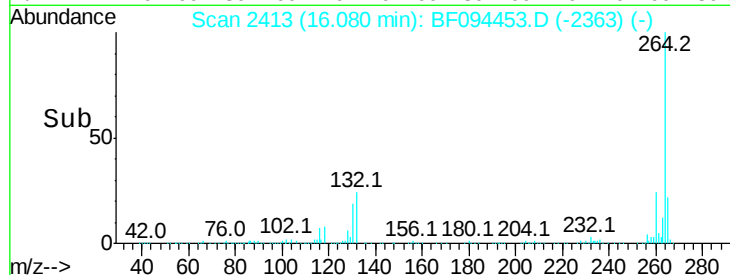
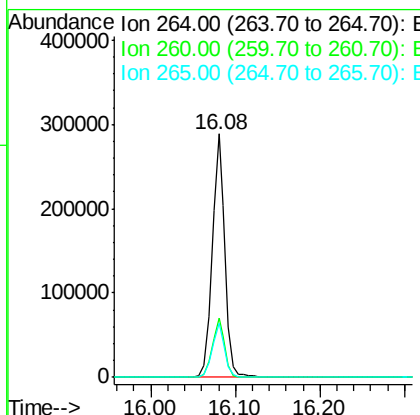
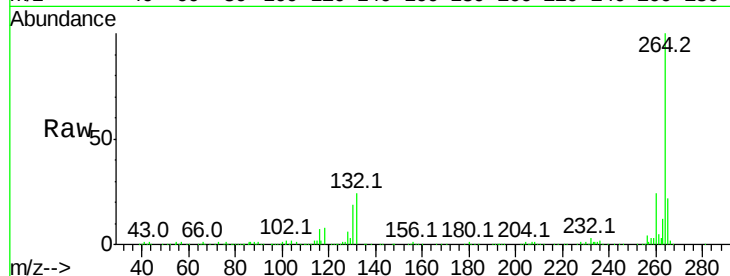




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

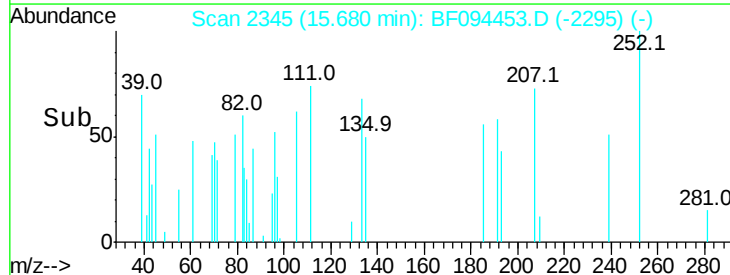
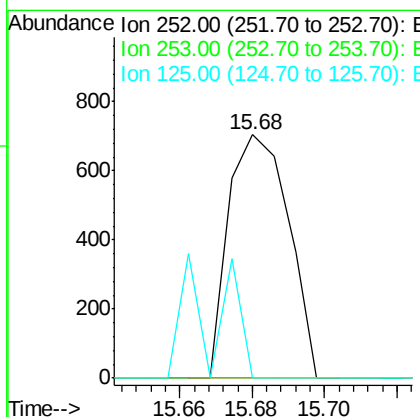
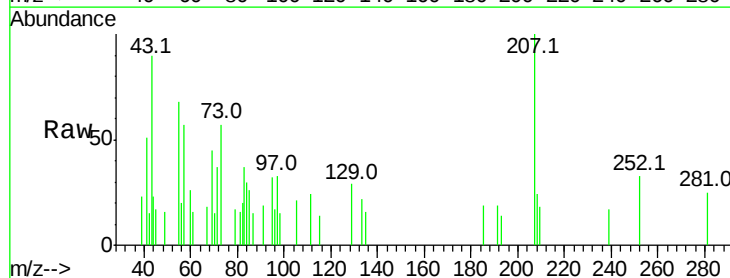
Instrument :
BNA_F
ClientSampleId :

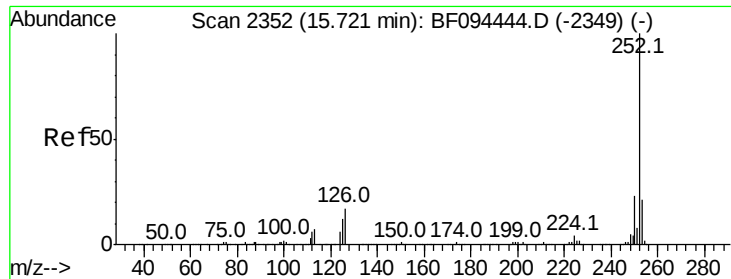
Tot Ion:264 Resp: 307513
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

Tgt Ion:252 Resp: 809
Ion Ratio Lower Upper
252 100
253 0.0 18.1 27.1#
125 0.0 9.8 14.8#

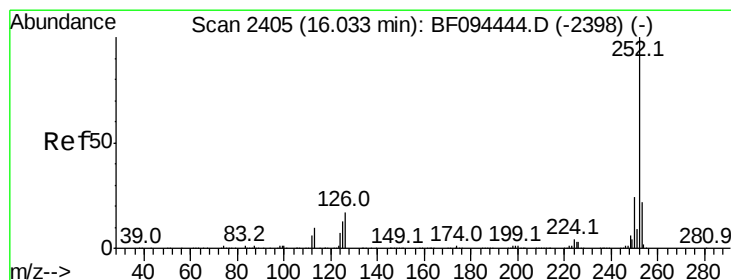
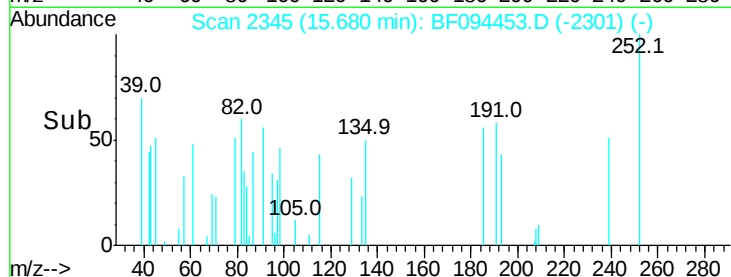
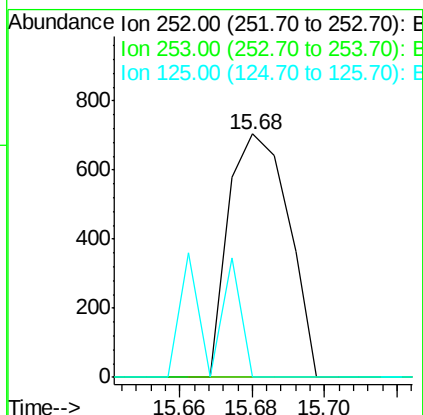
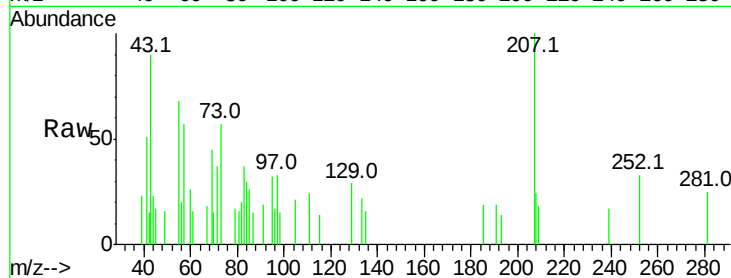




#88
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 15.68 min Scan# 2345
Delta R.T. -0.04 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

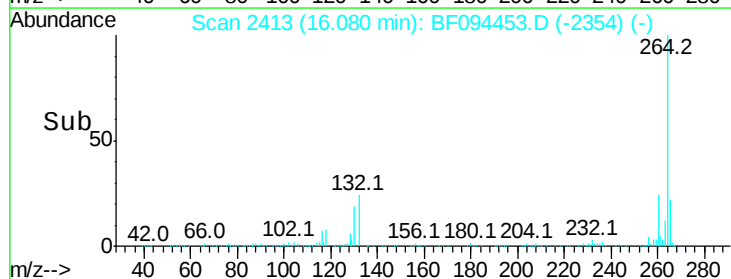
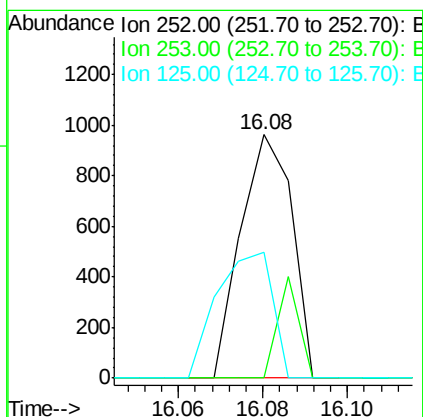
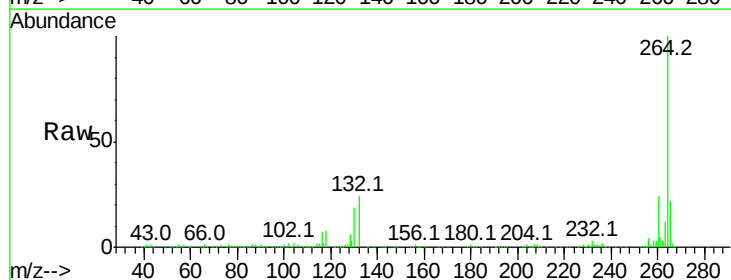
Instrument :
BNA_F
ClientSampleId :

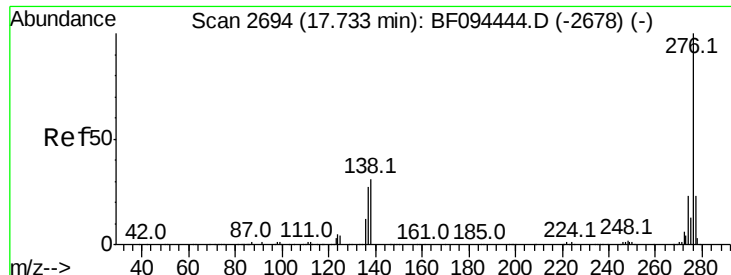
Tot Ion:252 Resp: 809
Ion Ratio Lower Upper
252 100
253 0.0 18.4 27.6#
125 0.0 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 0.05 ng
RT: 16.08 min Scan# 2413
Delta R.T. 0.05 min
Lab File: BF094453.D
Acq: 17 Apr 2017 17:01

Tgt Ion:252 Resp: 812
Ion Ratio Lower Upper
252 100
253 0.0 17.5 26.3#
125 51.9 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 0.01 ng

RT: 17.73 min Scan# 2693

Delta R.T. -0.01 min

Lab File: BF094453.D

Acq: 17 Apr 2017 17:01

Instrument :

BNA_F

ClientSampleId :

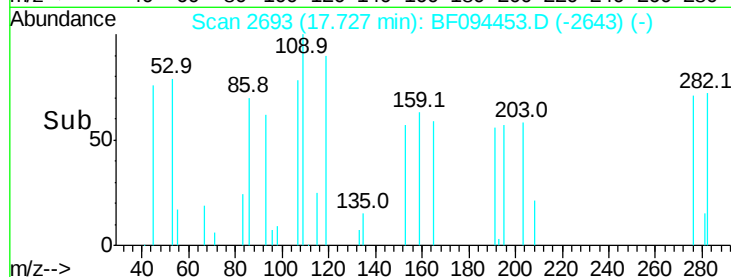
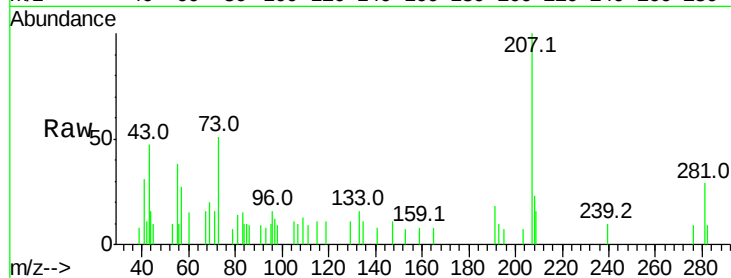
Tot Ion:276 Resp: 134

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 0.0 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

17.73

400

300

200

100

0

17.72 17.74

Time-->