

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094020.D
 Acq On : 29 Mar 2017 16:04
 Operator : SJ/MA
 Sample : PB97899BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

Quant Time: Mar 30 01:07:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	162320	20.00	ng	-0.03
21) Naphthalene-d8	7.42	136	652487	20.00	ng	-0.04
38) Acenaphthene-d10	9.57	164	306423	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	543904	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	439196	20.00	ng	-0.04
86) Perylene-d12	16.27	264	337914	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1213513	126.27	ng	-0.01
7) Phenol-d6	5.53	99	1533497	128.99	ng	-0.02
23) Nitrobenzene-d5	6.57	82	947332	82.86	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	351152	145.02	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	1785253	88.86	ng	-0.03
78) Terphenyl-d14	13.37	244	1507203	76.92	ng	-0.04

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.35	88	163247	35.36	ng	98
3) Pyridine	2.82	79	451652	35.89	ng	99
4) n-Nitrosodimethylamine	2.78	42	217435	41.99	ng	90
6) Aniline	5.55	93	365217	22.08	ng	# 9
8) 2-Chlorophenol	5.69	128	478429	45.29	ng	96
9) Benzaldehyde	5.41	77	98888	12.32	ng	98
10) Phenol	5.54	94	563615	41.66	ng	94
11) bis(2-Chloroethyl)ether	5.63	93	439124	41.53	ng	99
12) 1,3-Dichlorobenzene	5.86	146	501919	42.36	ng	99
13) 1,4-Dichlorobenzene	5.94	146	513456	42.78	ng	97
14) 1,2-Dichlorobenzene	6.12	146	474969	42.98	ng	96
15) Benzyl Alcohol	6.09	79	395152	45.41	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.25	45	632370	38.81	ng	98
17) 2-Methylphenol	6.23	107	401674	44.40	ng	98
18) Hexachloroethane	6.51	117	183914	43.60	ng	# 83
19) n-Nitroso-di-n-propylamine	6.41	70	323488	42.34	ng	97
20) 3+4-Methylphenols	6.41	107	492273	44.93	ng	# 64
22) Acetophenone	6.39	105	659539	45.35	ng	# 88
24) Nitrobenzene	6.59	77	486246	43.12	ng	96
25) Isophorone	6.88	82	886061	44.10	ng	97
26) 2-Nitrophenol	6.97	139	271975	50.58	ng	97
27) 2,4-Dimethylphenol	7.03	122	441719	47.67	ng	99
28) bis(2-Chloroethoxy)methane	7.15	93	572282	43.20	ng	98
29) 2,4-Dichlorophenol	7.26	162	420087	48.49	ng	98
30) 1,2,4-Trichlorobenzene	7.36	180	400200	44.85	ng	99
31) Naphthalene	7.45	128	1339786	42.70	ng	99
32) Benzoic acid	7.19	122	282392	45.78	ng	96
33) 4-Chloroaniline	7.52	127	186969	14.70	ng	# 93
34) Hexachlorobutadiene	7.61	225	201546	44.04	ng	97
35) Caprolactam	7.97	113	77647	28.10	ng	88
36) 4-Chloro-3-methylphenol	8.13	107	445294	49.19	ng	88
37) 2-Methylnaphthalene	8.29	142	947330	45.30	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.50	216	344642	41.11	ng	99
40) Hexachlorocyclopentadiene	8.49	237	368408	93.92	ng	98

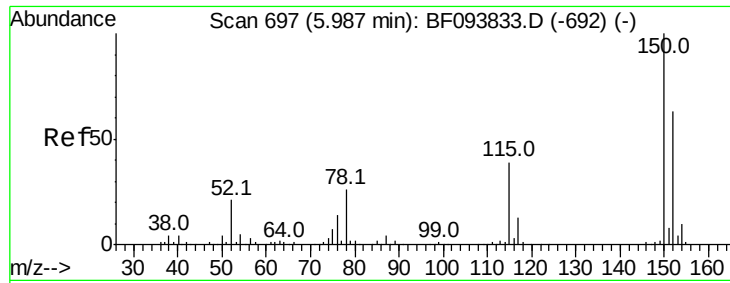
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094020.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.65	196	287295	48.44	nq	99
43) 2,4,5-Trichlorophenol	8.70	196	299535	46.68	nq	94
45) 1,1'-Biphenyl	8.87	154	1069266	43.26	nq	98
46) 2-Chloronaphthalene	8.89	162	842978	43.57	nq	94
47) 2-Nitroaniline	9.02	65	263763	45.96	nq	88
48) Acenaphthylene	9.40	152	1349191	41.96	nq	100
49) Dimethylphthalate	9.26	163	1016715	46.68	nq	99
50) 2,6-Dinitrotoluene	9.32	165	234724	47.01	nq	# 88
51) Acenaphthene	9.61	154	812009	43.28	nq	99
52) 3-Nitroaniline	9.52	138	136186	23.23	nq	85
53) 2,4-Dinitrophenol	9.66	184	230348	85.85	nq	# 72
54) Dibenzofuran	9.83	168	1174591	45.99	nq	99
55) 4-Nitrophenol	9.76	139	409444	89.17	nq	# 68
56) 2,4-Dinitrotoluene	9.82	165	291655	46.50	nq	# 75
57) Fluorene	10.25	166	875300	41.33	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.98	232	218887	49.71	nq	98
59) Diethylphthalate	10.13	149	1010416	46.93	nq	100
60) 4-Chlorophenyl-phenylether	10.25	204	382003	42.34	nq	93
61) 4-Nitroaniline	10.29	138	251637	44.72	nq	95
62) Azobenzene	10.45	77	971868	47.72	nq	96
64) 4,6-Dinitro-2-methylphenol	10.32	198	154537	46.39	nq	# 73
65) n-Nitrosodiphenylamine	10.40	169	845476	44.95	nq	97
66) 4-Bromophenyl-phenylether	10.85	248	245284	45.85	nq	98
67) Hexachlorobenzene	10.92	284	251612	46.46	nq	# 89
68) Atrazine	11.07	200	259435	46.05	nq	97
69) Pentachlorophenol	11.17	266	270328	80.20	nq	97
70) Phenanthrene	11.42	178	1330062	43.96	nq	99
71) Anthracene	11.49	178	1382046	44.36	nq	99
72) Carbazole	11.69	167	1298033	40.63	nq	99
73) Di-n-butylphthalate	12.14	149	1558690	46.92	nq	99
74) Fluoranthene	12.89	202	1381664	44.60	nq	100
76) Benzidine	13.05	184	409052	23.53	nq	# 93
77) Pyrene	13.16	202	1387033	43.52	nq	100
79) Butylbenzylphthalate	13.98	149	670646	49.38	nq	# 87
80) Benzo(a)anthracene	14.63	228	1159210	45.26	nq	100
81) 3,3'-Dichlorobenzidine	14.60	252	219417	23.97	nq	# 97
82) Chrysene	14.68	228	1010094	42.50	nq	99
83) Bis(2-ethylhexyl)phthalate	14.69	149	899485	48.55	nq	# 99
84) Di-n-octyl phthalate	15.45	149	1519333	49.08	nq	98
85) Indeno(1,2,3-cd)pyrene	17.64	276	811832	39.44	nq	99
87) Benzo(b)fluoranthene	15.87	252	953817	46.05	nq	98
88) Benzo(k)fluoranthene	15.90	252	930041	45.89	nq	96
89) Benzo(a)pyrene	16.22	252	877492	46.00	nq	99
90) Dibenzo(a,h)anthracene	17.66	278	666954	41.29	nq	98
91) Benzo(g,h,i)perylene	18.04	276	666906	40.97	nq	98

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

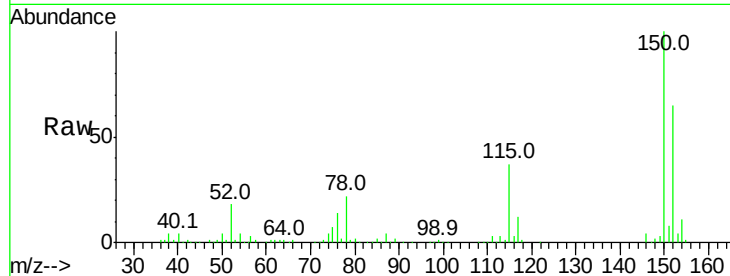


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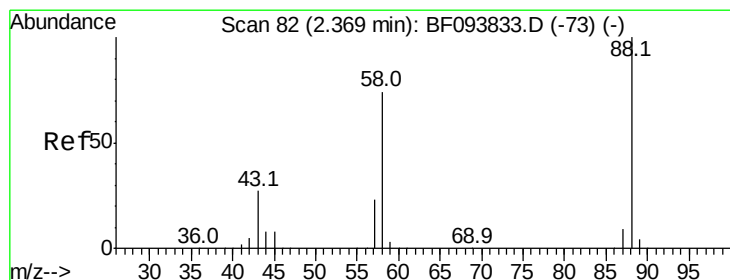
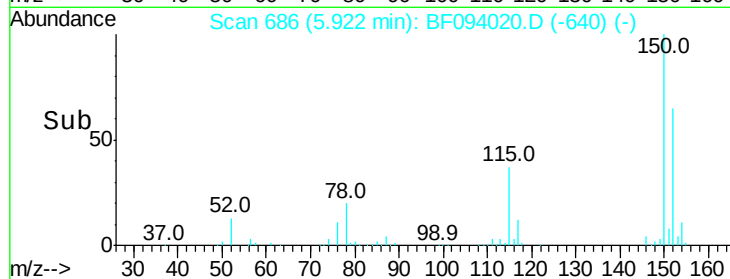
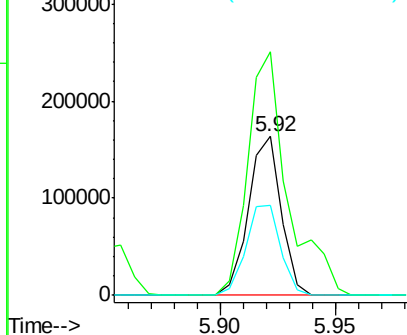
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.92 min Scan# 686
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

Tot Ion:152 Resp: 162320
 Ion Ratio Lower Upper
 152 100
 150 153.2 126.2 189.2
 115 56.6 52.2 78.2



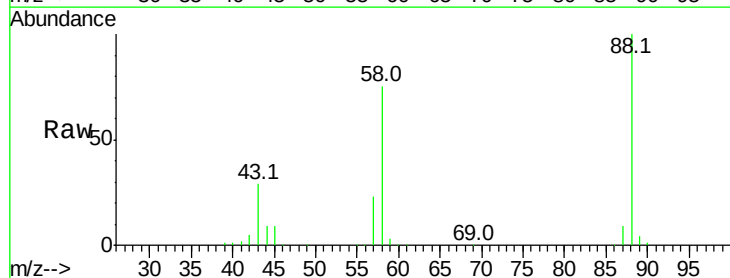
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



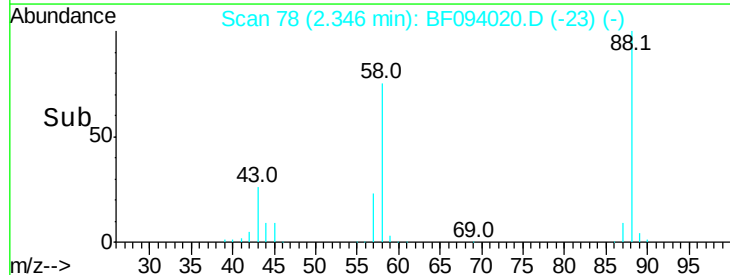
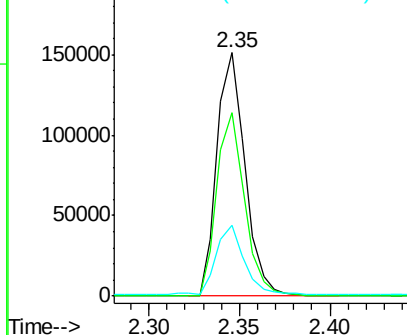
#2

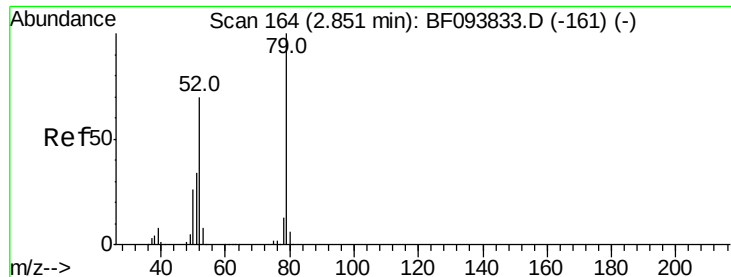
1,4-Dioxane
 Concen: 35.36 ng
 RT: 2.35 min Scan# 78
 Delta R.T. 0.02 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion: 88 Resp: 163247
 Ion Ratio Lower Upper
 88 100
 58 74.8 61.4 92.0
 43 28.8 23.4 35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 35.89 ng

RT: 2.82 min Scan# 159

Delta R.T. 0.01 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

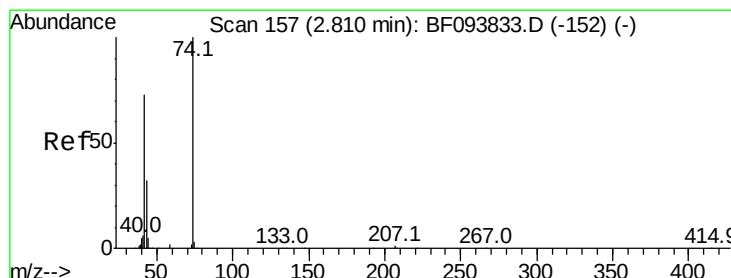
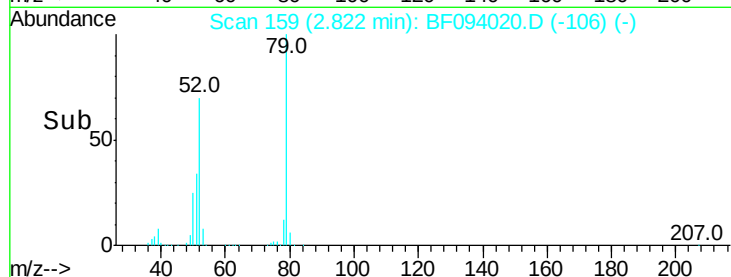
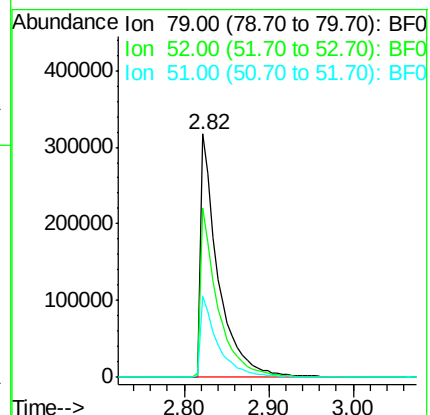
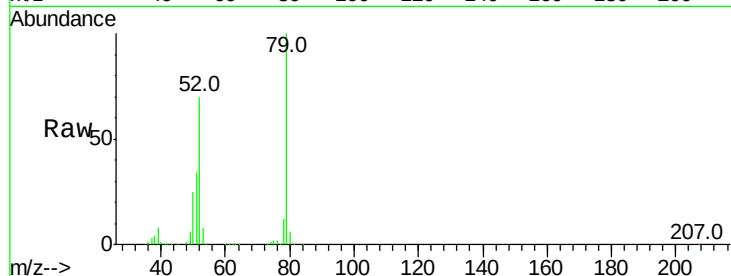
Tot Ion: 79 Resp: 451652

Ion Ratio Lower Upper

79 100

52 69.7 54.8 82.2

51 33.5 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 41.99 ng

RT: 2.78 min Scan# 152

Delta R.T. 0.01 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

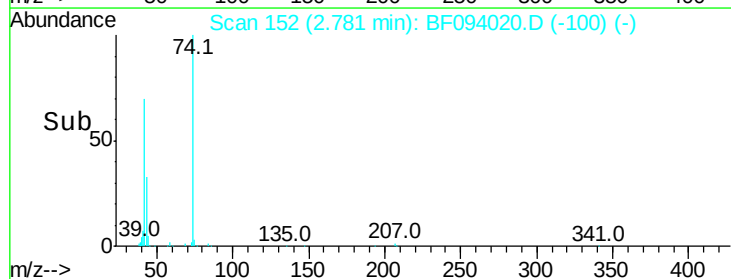
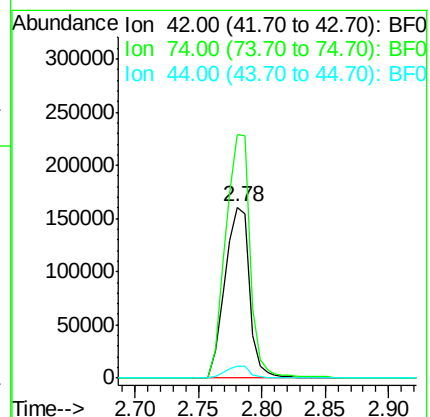
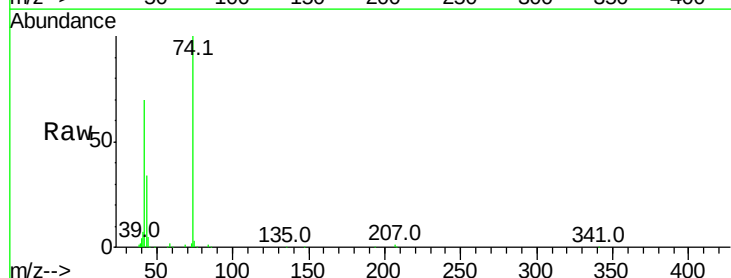
Tgt Ion: 42 Resp: 217435

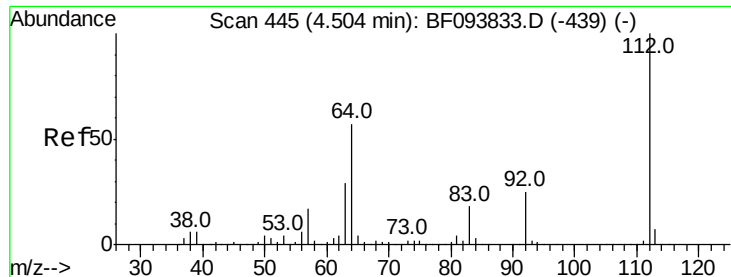
Ion Ratio Lower Upper

42 100

74 142.6 103.9 155.9

44 6.9 5.7 8.5





#5

2-Fluorophenol

Concen: 126.27 ng

RT: 4.46 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

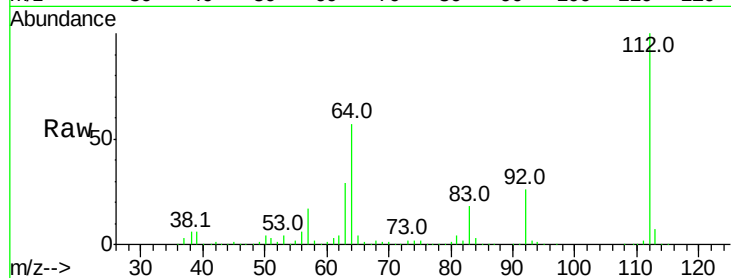
Tot Ion:112 Resp: 1213513

Ion Ratio Lower Upper

112 100

64 57.4 46.0 69.0

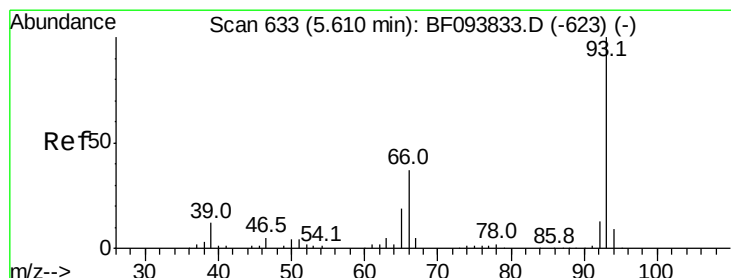
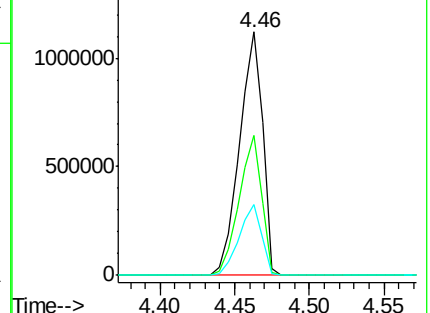
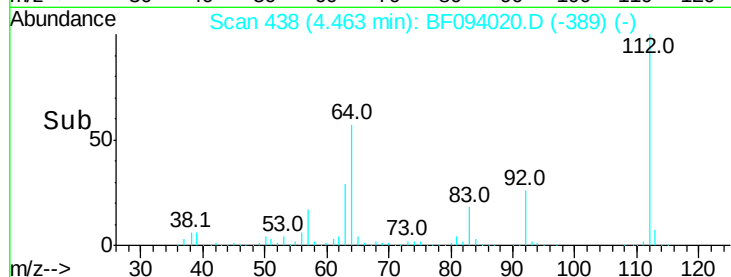
63 29.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.08 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

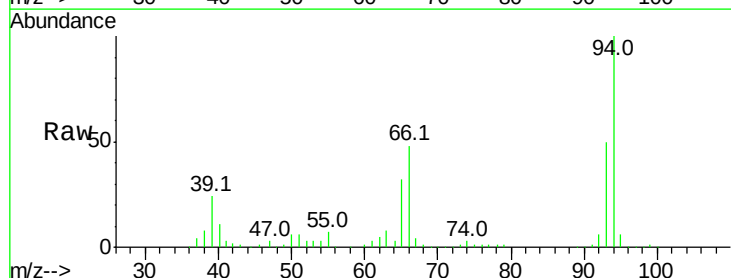
Tgt Ion: 93 Resp: 365217

Ion Ratio Lower Upper

93 100

66 96.7 32.9 49.3#

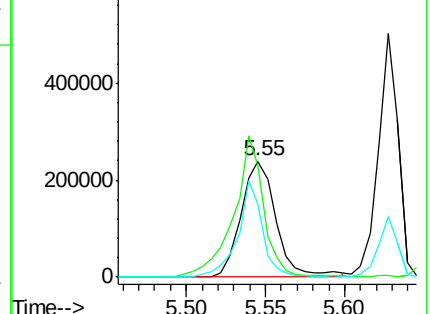
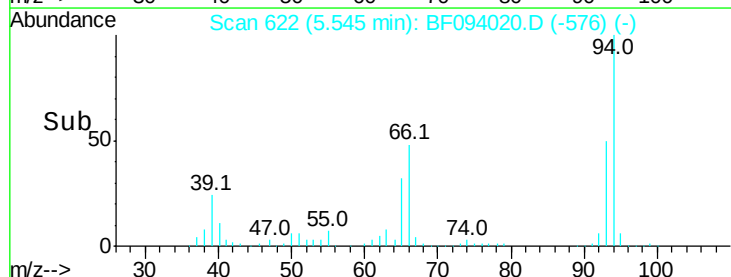
65 63.7 16.0 24.0#

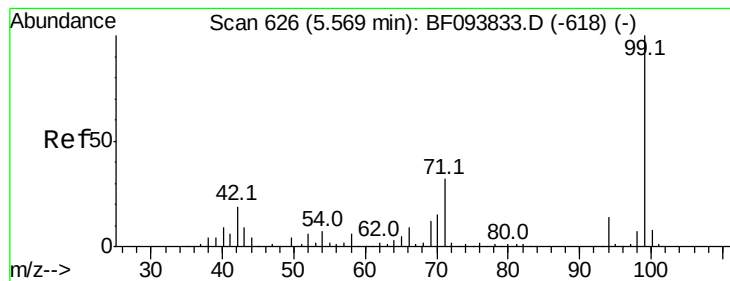


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 128.99 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

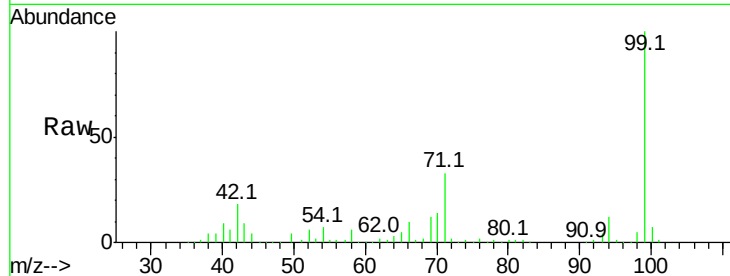
BNA_F

ClientSampleId :

PB97899BS

Tot Ion: 99 Resp: 1533497

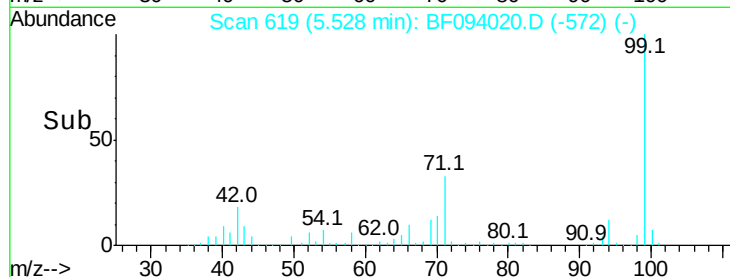
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.5	20.3
71	33.4	24.5	36.7



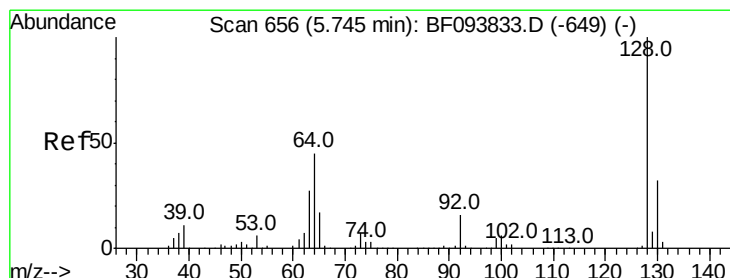
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#8

2-Chlorophenol

Concen: 45.29 ng

RT: 5.69 min Scan# 646

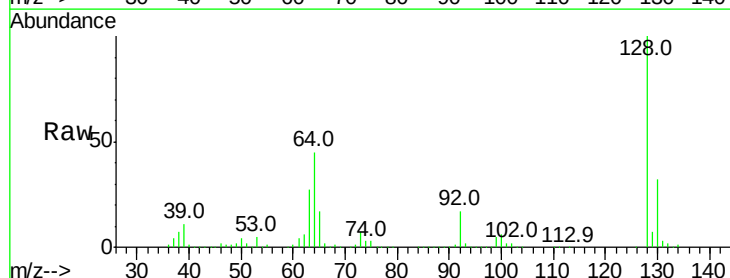
Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Tgt Ion:128 Resp: 478429

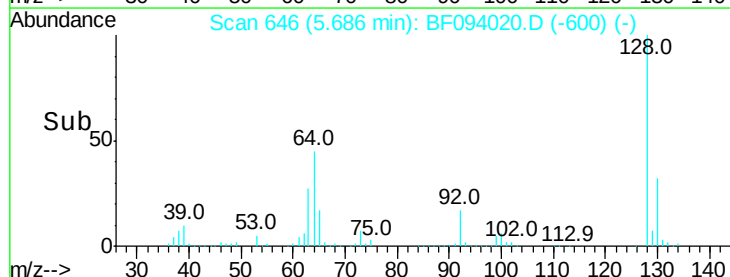
Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	44.7	28.4	68.4



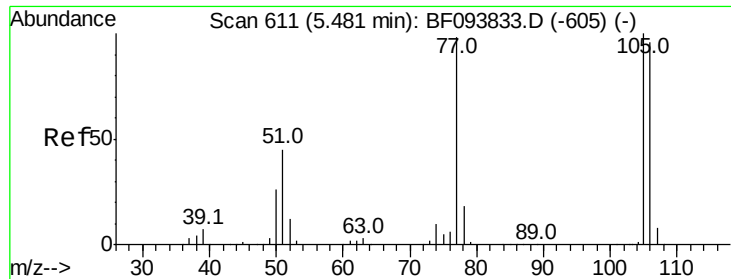
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



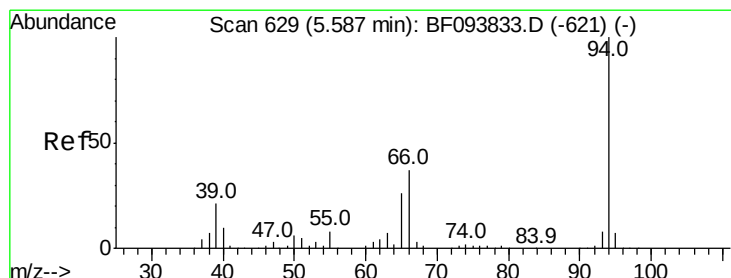
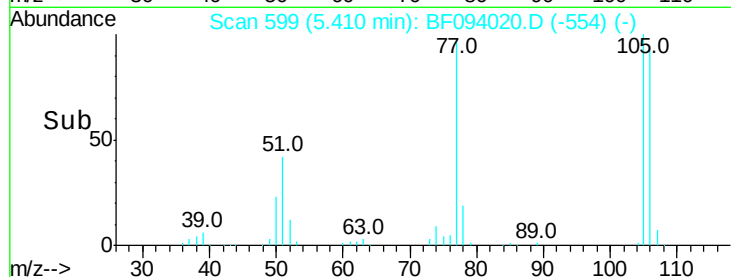
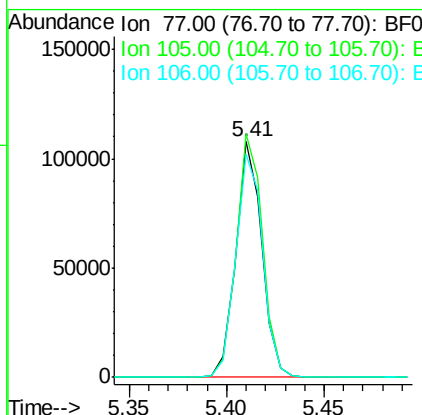
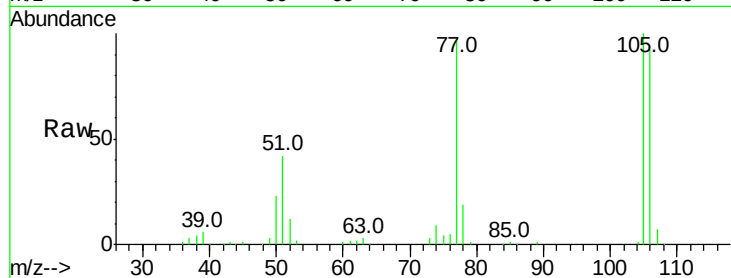
Time-->



#9
Benzaldehyde
Concen: 12.32 ng
RT: 5.41 min Scan# 599
Delta R.T. -0.04 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

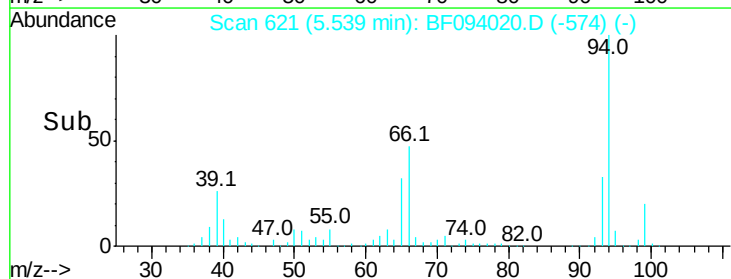
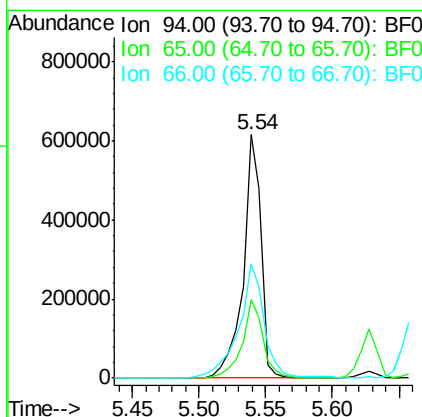
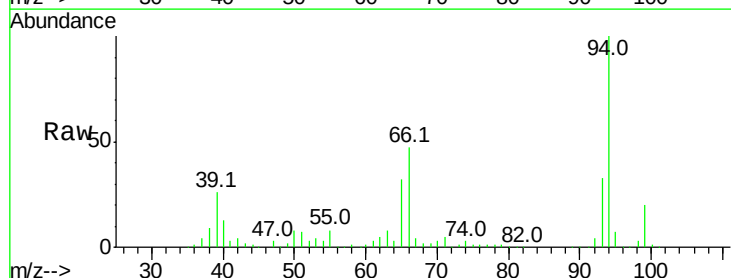
Instrument :
BNA_F
ClientSampleID :
PB97899BS

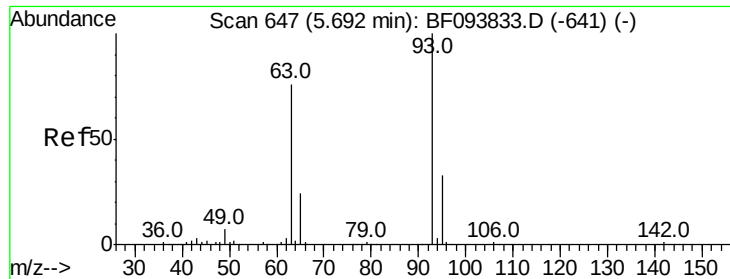
Tot Ion: 77 Resp: 98888
Ion Ratio Lower Upper
77 100
105 103.3 83.8 123.8
106 94.9 79.1 119.1



#10
Phenol
Concen: 41.66 ng
RT: 5.54 min Scan# 621
Delta R.T. -0.02 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion: 94 Resp: 563615
Ion Ratio Lower Upper
94 100
65 32.4 9.9 49.9
66 47.1 23.1 63.1

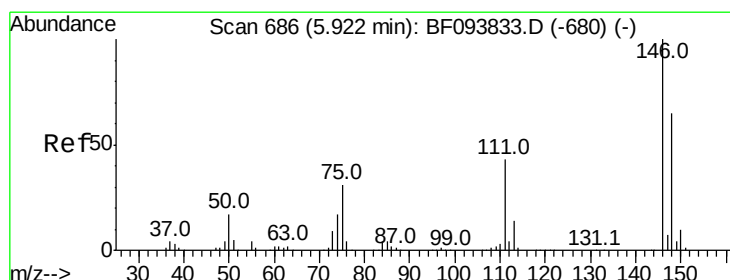
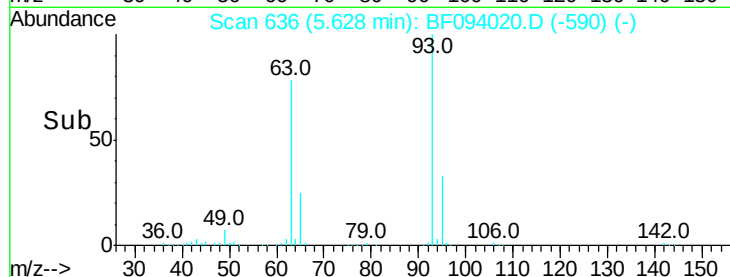
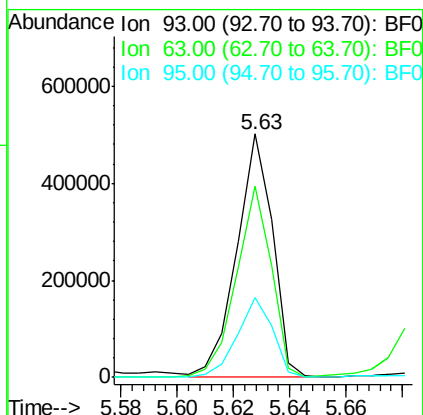
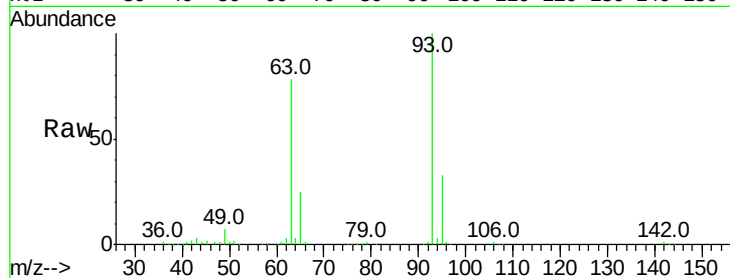




#11
bis(2-Chloroethyl)ether
Concen: 41.53 ng
RT: 5.63 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

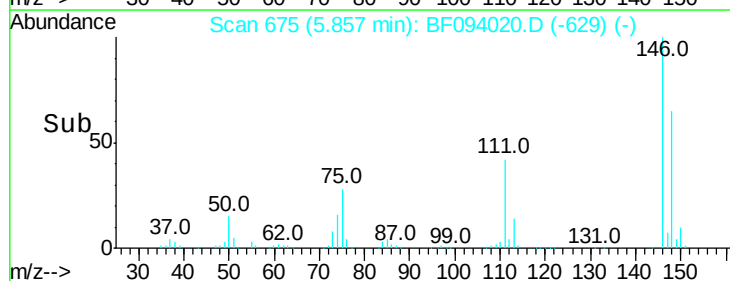
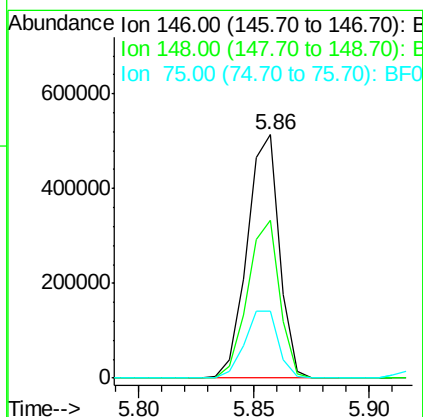
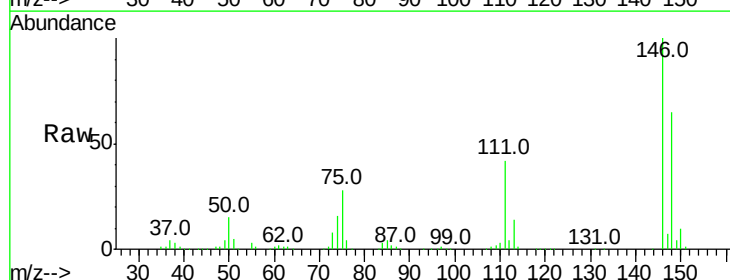
Instrument :
BNA_F
ClientSampleId :
PB97899BS

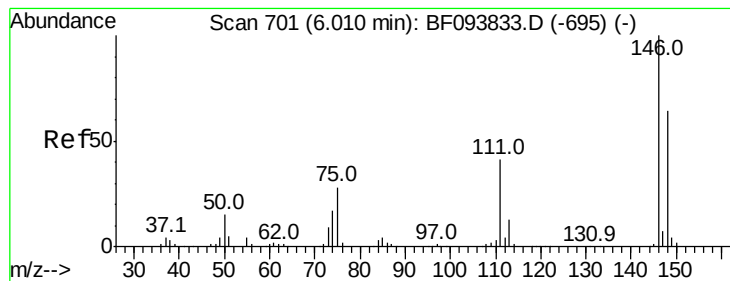
Tot Ion: 93 Resp: 439124
Ion Ratio Lower Upper
93 100
63 78.5 59.2 99.2
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 42.36 ng
RT: 5.86 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion: 146 Resp: 501919
Ion Ratio Lower Upper
146 100
148 64.8 51.8 77.6
75 27.7 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 42.78 ng

RT: 5.94 min Scan# 689

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

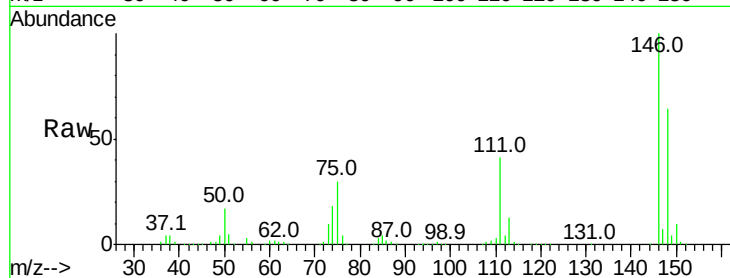
Tot Ion:146 Resp: 513456

Ion Ratio Lower Upper

146 100

148 63.5 52.2 78.2

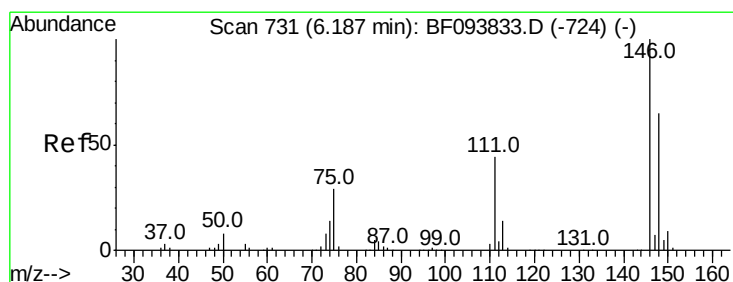
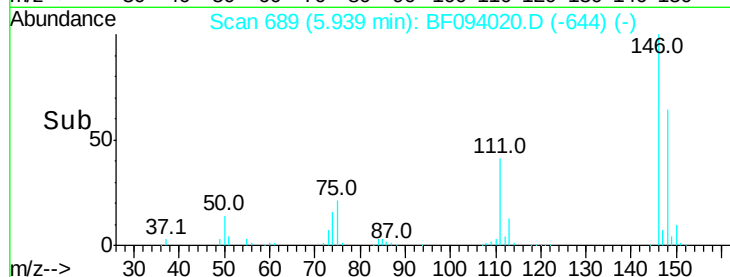
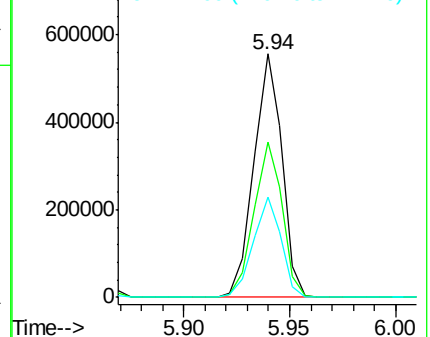
111 41.4 30.3 45.5



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: 42.98 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

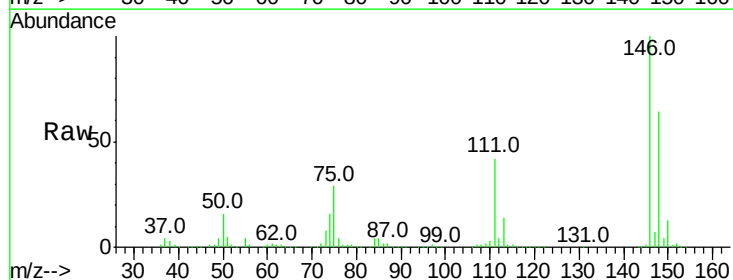
Tgt Ion:146 Resp: 474969

Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

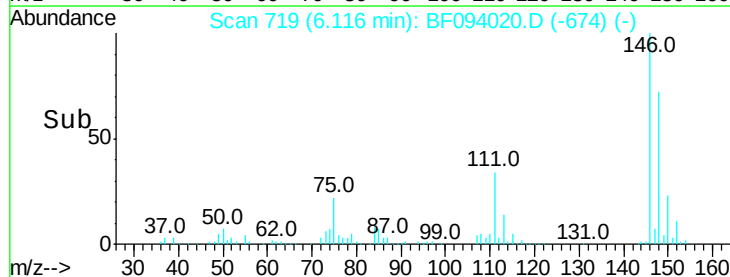
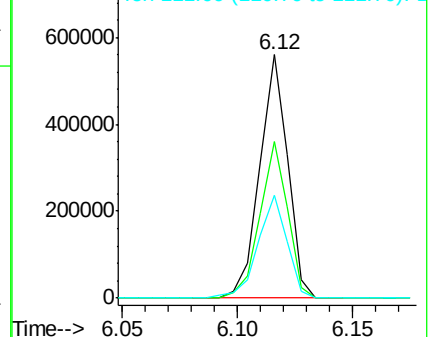
111 42.5 38.2 57.4

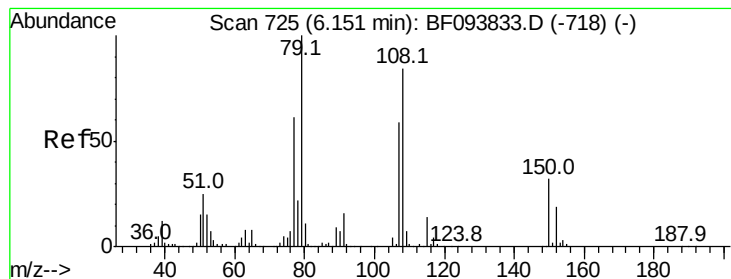


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.41 ng

RT: 6.09 min Scan# 714

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

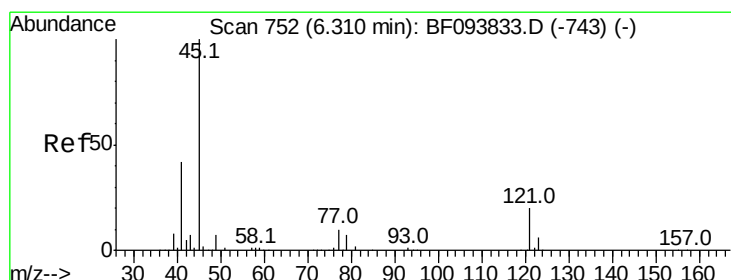
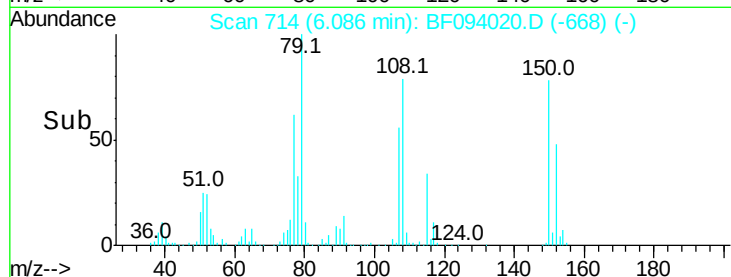
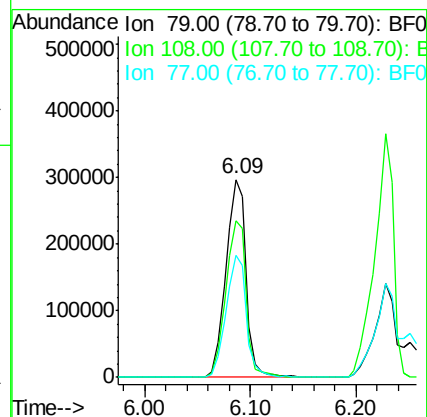
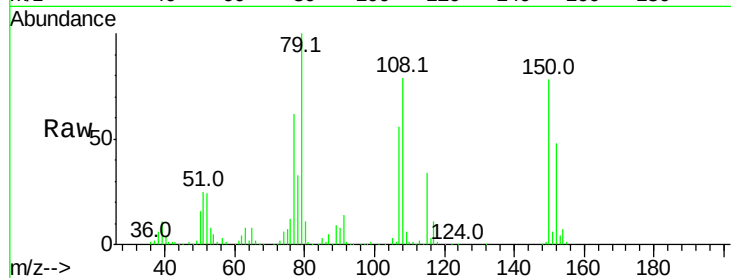
Tot Ion: 79 Resp: 395152

Ion Ratio Lower Upper

79 100

108 79.5 63.4 95.0

77 61.6 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.81 ng

RT: 6.25 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

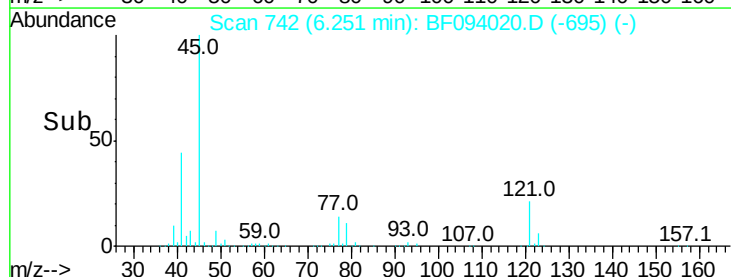
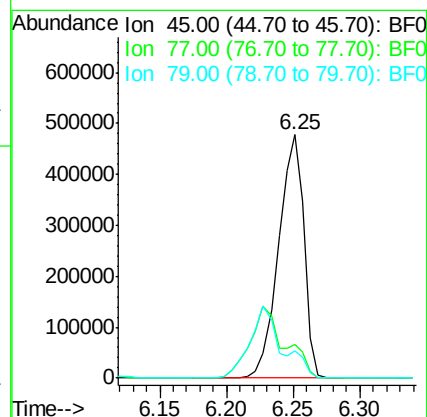
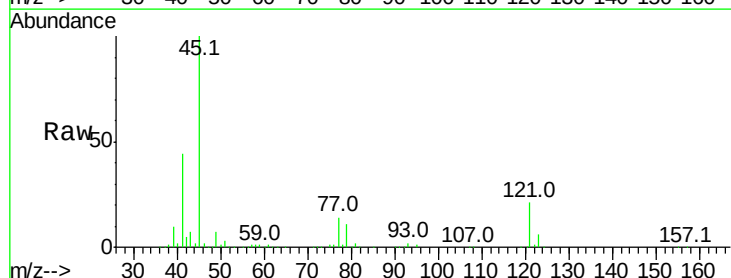
Tgt Ion: 45 Resp: 632370

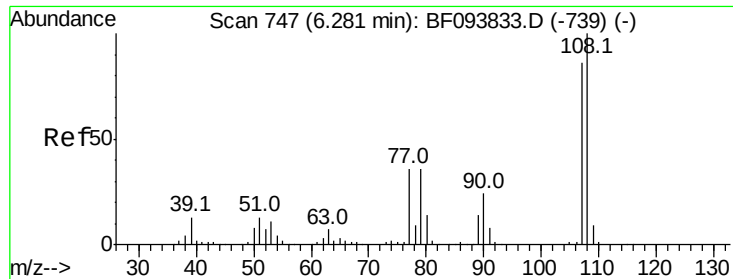
Ion Ratio Lower Upper

45 100

77 13.7 0.0 33.2

79 11.1 0.0 30.0





#17

2-Methylphenol

Concen: 44.40 ng

RT: 6.23 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

Tot Ion:107 Resp: 401674

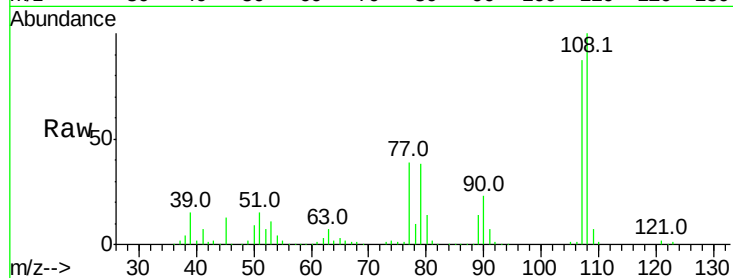
Ion Ratio Lower Upper

107 100

108 114.4 93.4 140.0

77 44.0 35.8 53.6

79 43.9 34.8 52.2

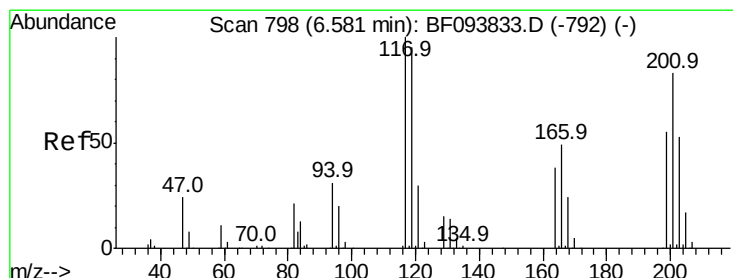
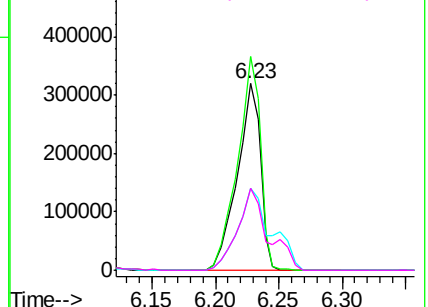
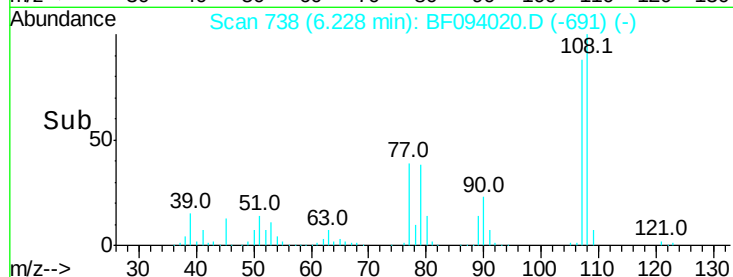


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 43.60 ng

RT: 6.51 min Scan# 786

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

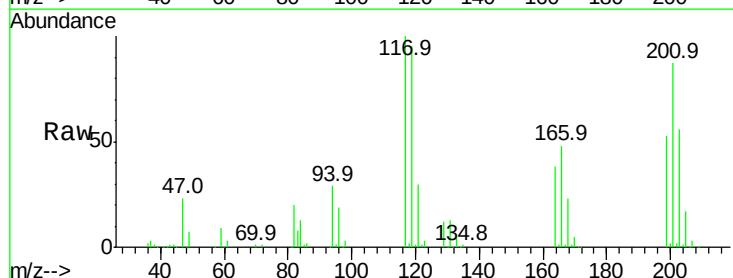
Tgt Ion:117 Resp: 183914

Ion Ratio Lower Upper

117 100

119 94.6 77.4 116.0

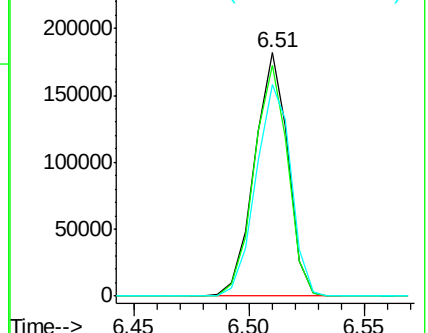
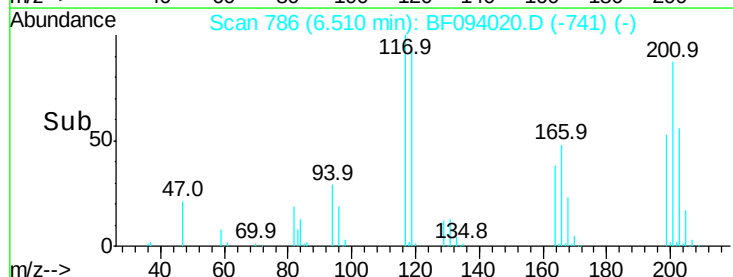
201 87.0 94.6 141.8#

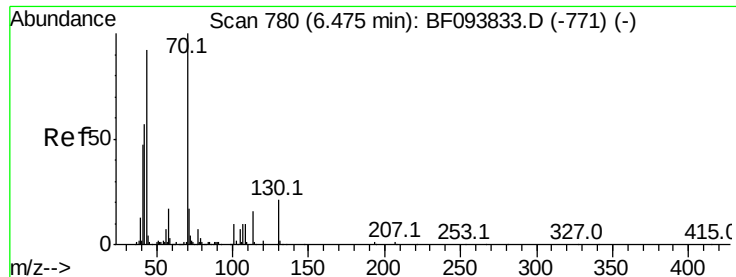


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

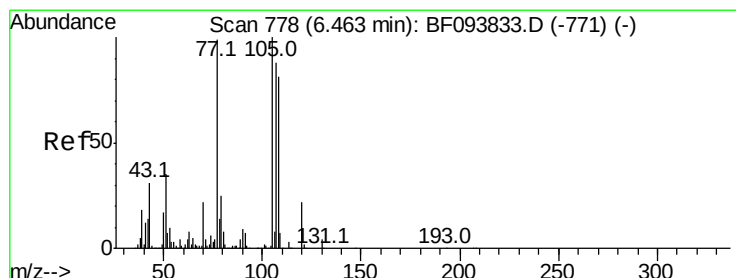
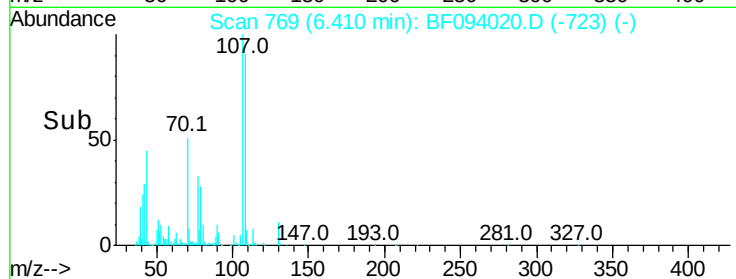
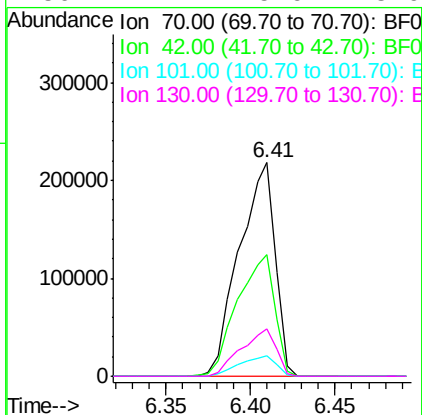
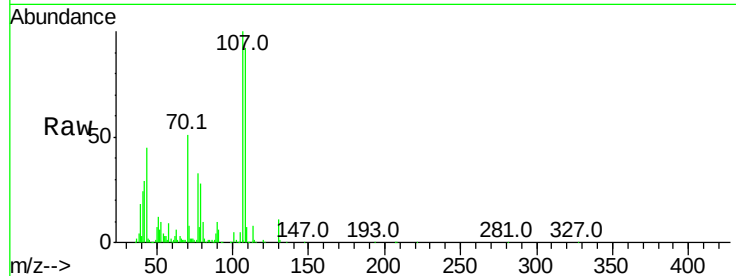




#19
n-Nitroso-di-n-propylamine
Concen: 42.34 ng
RT: 6.41 min Scan# 769
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

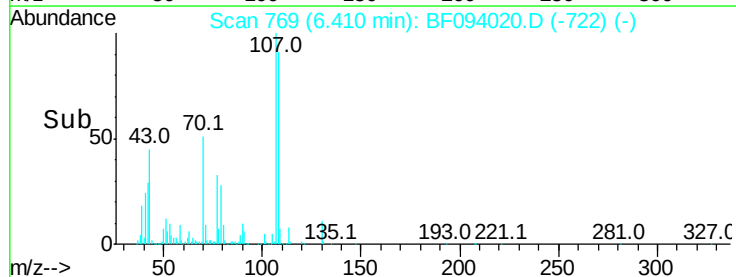
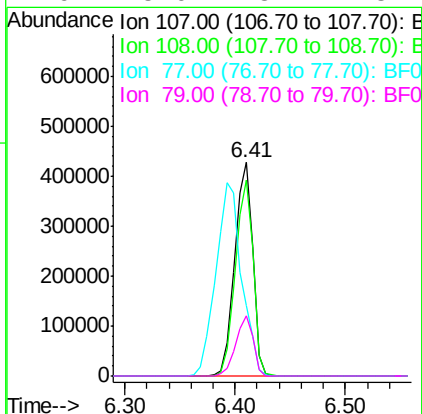
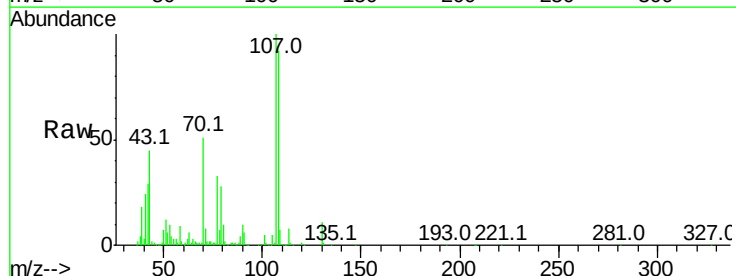
Instrument :
BNA_F
ClientSampleId :
PB97899BS

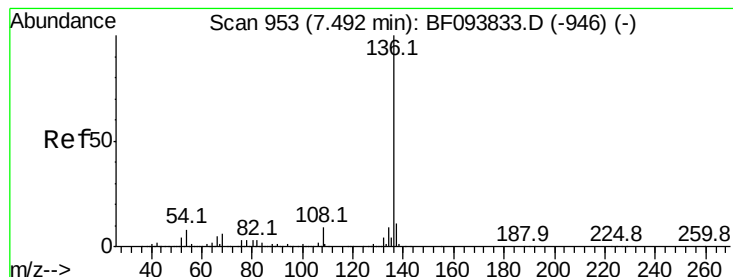
Tot Ion: 70 Resp: 323488
Ion Ratio Lower Upper
70 100
42 56.8 47.2 70.8
101 9.5 7.2 10.8
130 22.2 15.9 23.9



#20
3+4-Methylphenols
Concen: 44.93 ng
RT: 6.41 min Scan# 769
Delta R.T. -0.02 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion: 107 Resp: 492273
Ion Ratio Lower Upper
107 100
108 91.5 71.0 111.0
77 32.9 90.5 130.5#
79 28.0 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

Tot Ion:136 Resp: 652487

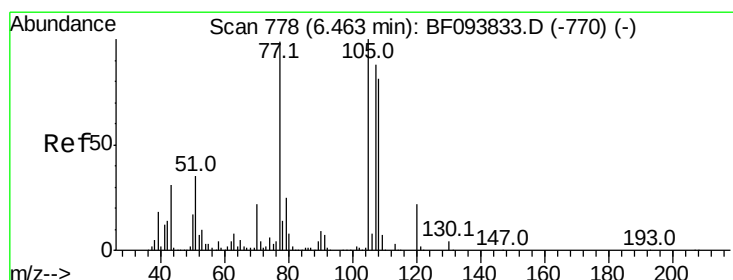
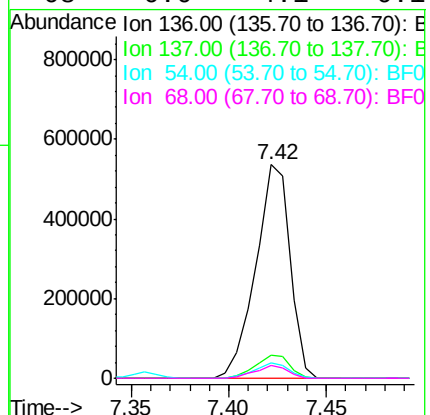
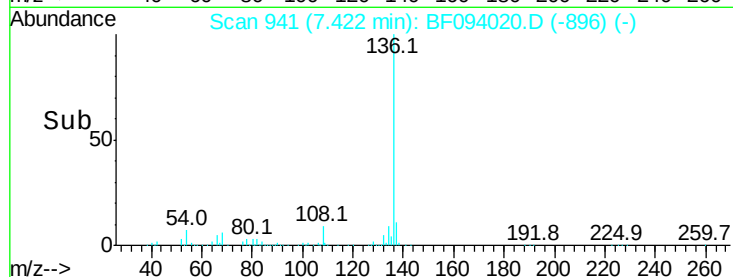
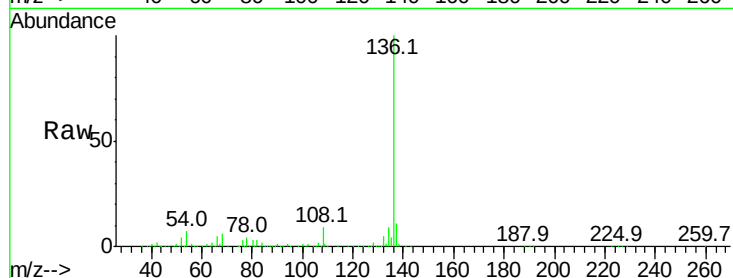
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3

68 6.0 4.1 6.1



#22

Acetophenone

Concen: 45.35 ng

RT: 6.39 min Scan# 766

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Tgt Ion:105 Resp: 659539

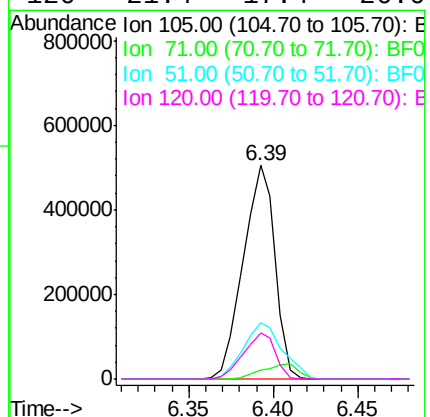
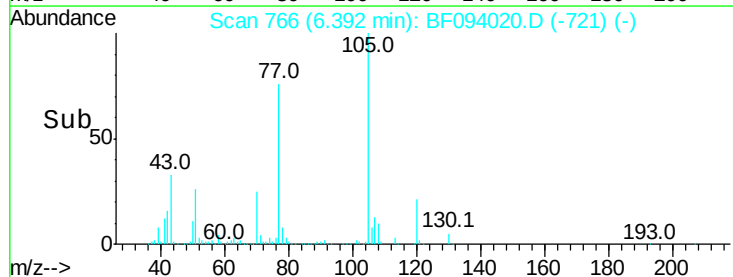
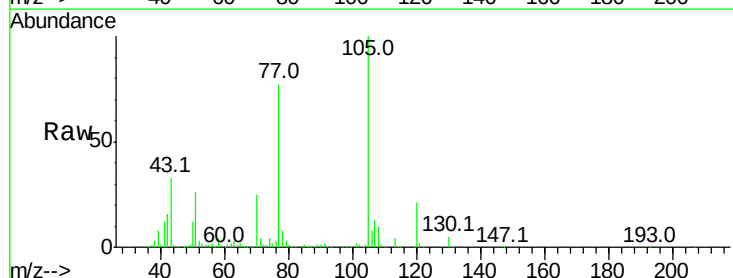
Ion Ratio Lower Upper

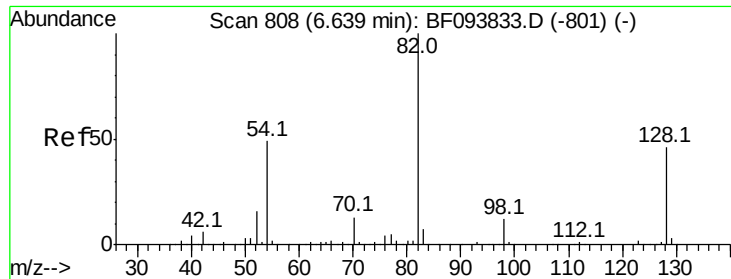
105 100

71 4.3 2.8 4.2#

51 26.4 30.7 46.1#

120 21.4 17.4 26.0

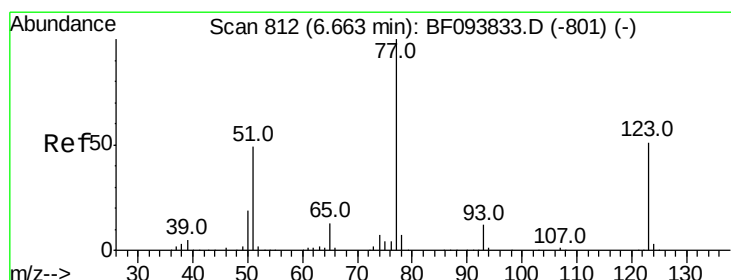
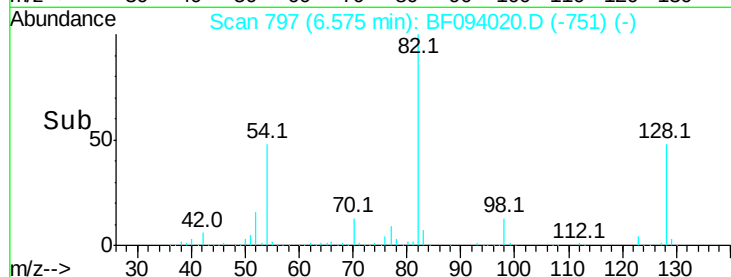
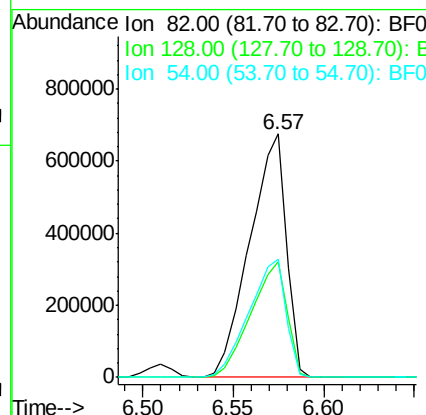
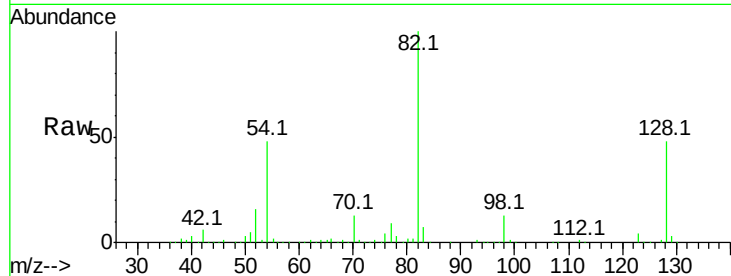




#23
Nitrobenzene-d5
Concen: 82.86 ng
RT: 6.57 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

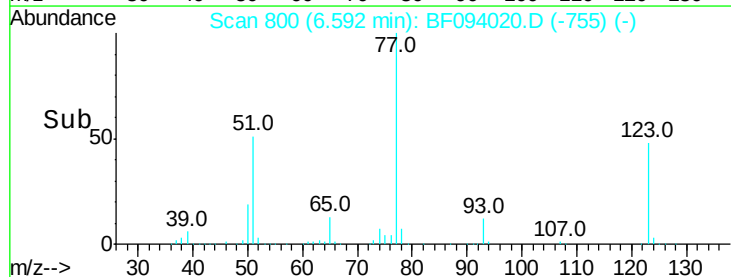
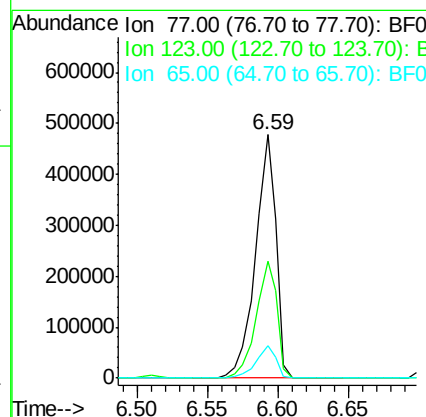
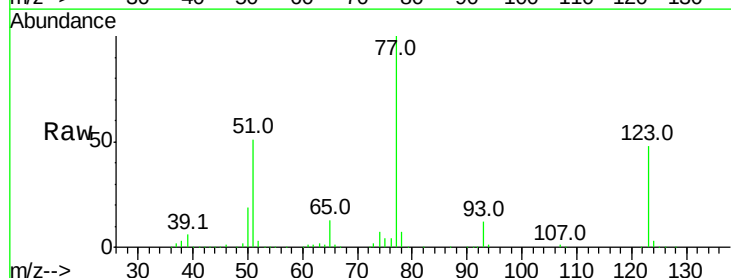
Instrument :
BNA_F
ClientSampleId :
PB97899BS

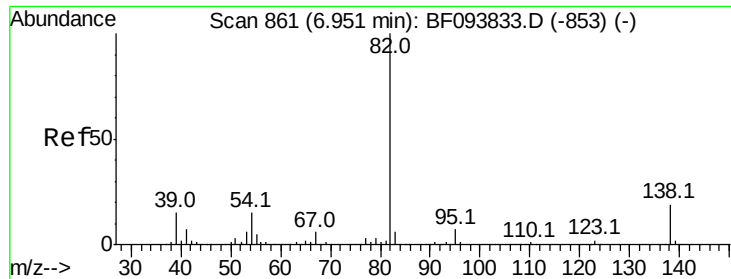
Tot Ion: 82 Resp: 947332
Ion Ratio Lower Upper
82 100
128 47.8 34.0 51.0
54 48.4 42.2 63.2



#24
Nitrobenzene
Concen: 43.12 ng
RT: 6.59 min Scan# 800
Delta R.T. -0.04 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion: 77 Resp: 486246
Ion Ratio Lower Upper
77 100
123 48.2 35.8 53.8
65 13.3 10.6 15.8





#25

Isophorone

Concen: 44.10 ng

RT: 6.88 min Scan# 849

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

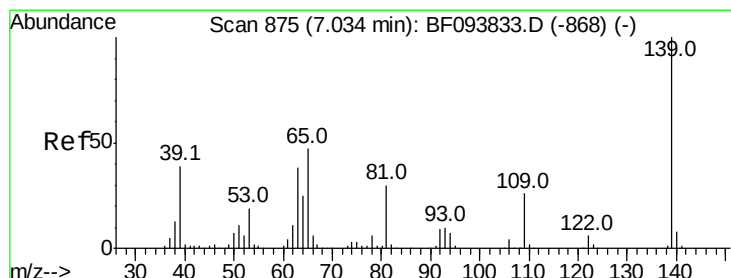
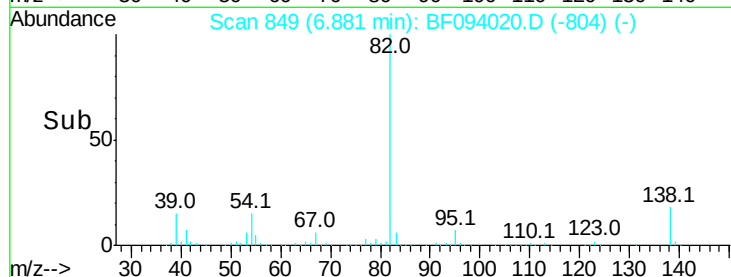
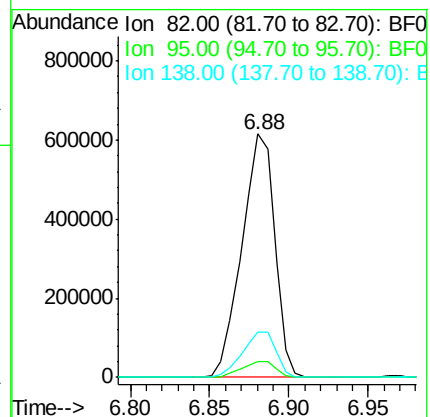
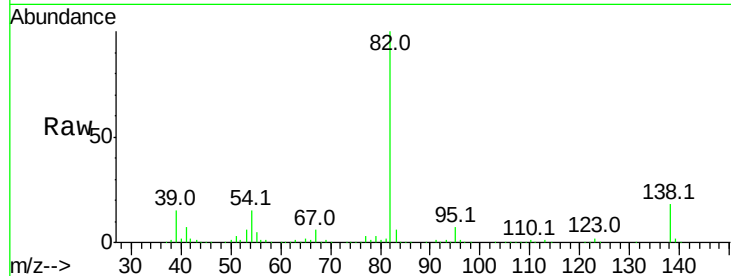
Tot Ion: 82 Resp: 886061

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

138 18.4 13.1 19.7



#26

2-Nitrophenol

Concen: 50.58 ng

RT: 6.97 min Scan# 864

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

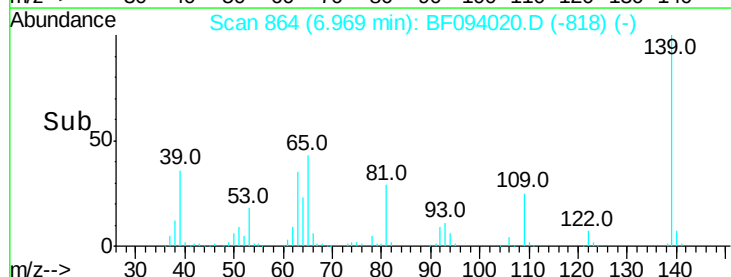
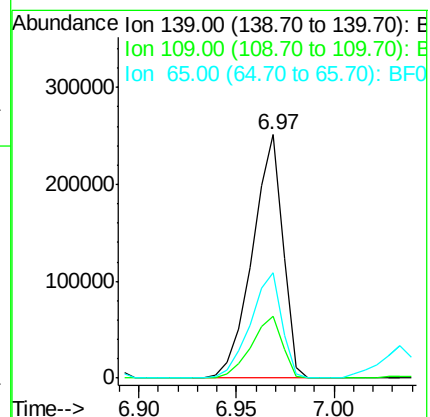
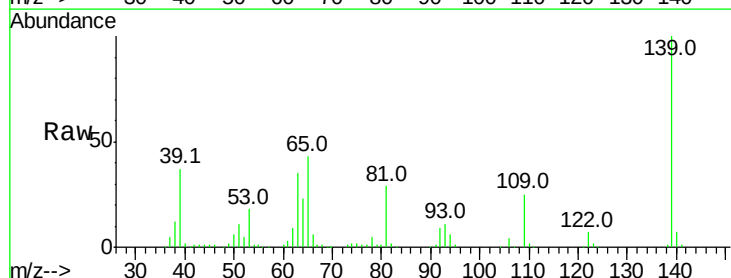
Tgt Ion: 139 Resp: 271975

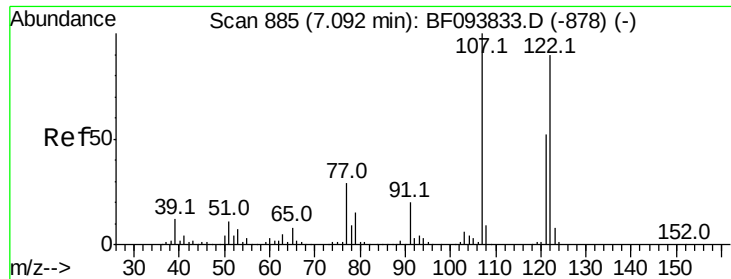
Ion Ratio Lower Upper

139 100

109 25.5 21.0 31.6

65 43.5 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 47.67 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

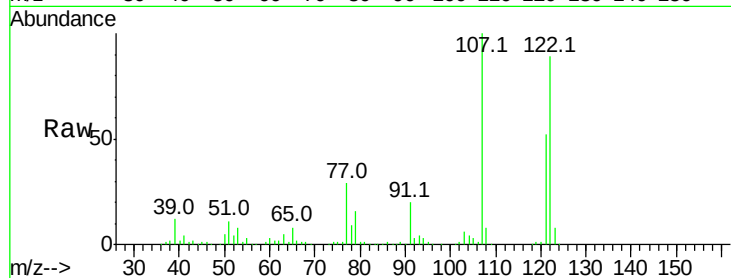
Tot Ion:122 Resp: 441719

Ion Ratio Lower Upper

122 100

107 112.3 89.2 133.8

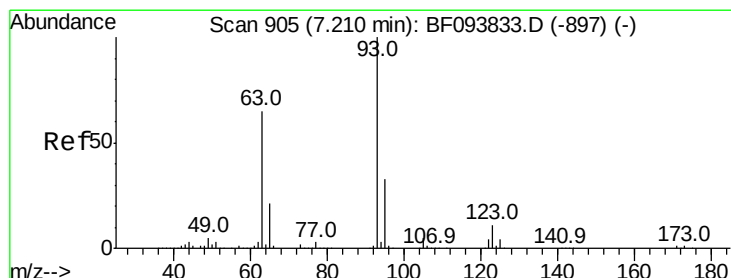
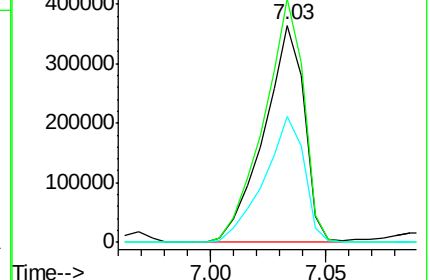
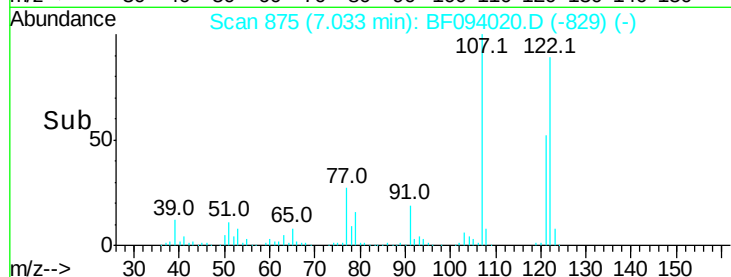
121 57.9 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.20 ng

RT: 7.15 min Scan# 894

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

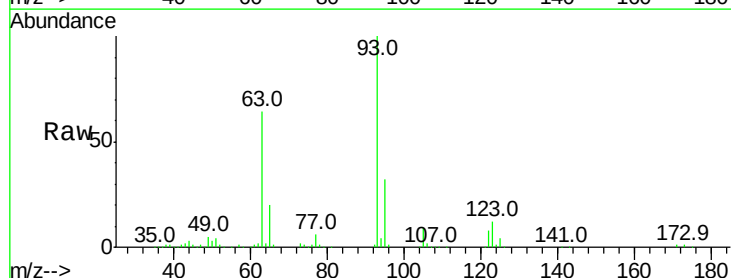
Tgt Ion: 93 Resp: 572282

Ion Ratio Lower Upper

93 100

95 32.2 26.5 39.7

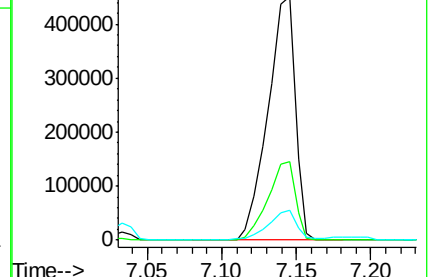
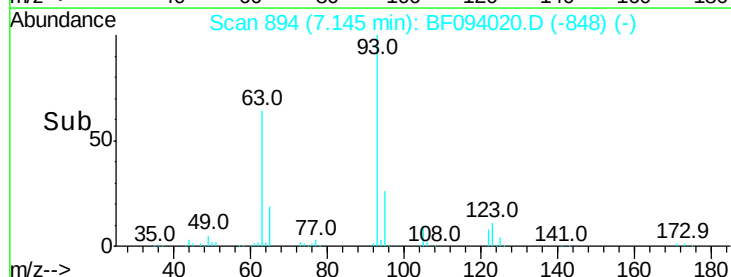
123 12.1 9.0 13.4

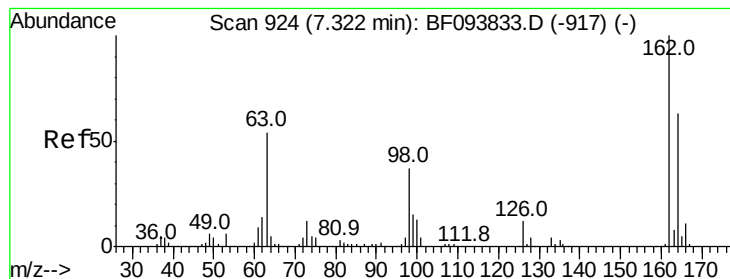


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 48.49 ng

RT: 7.26 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

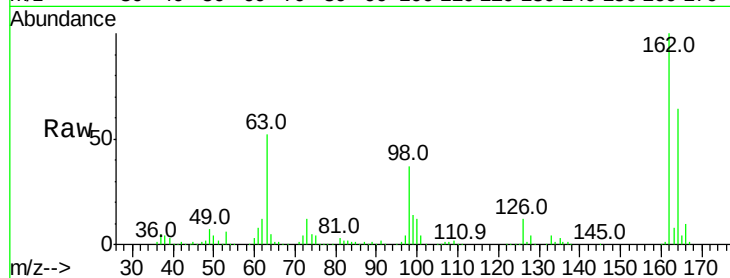
Tot Ion:162 Resp: 420087

Ion Ratio Lower Upper

162 100

164 63.5 44.6 84.6

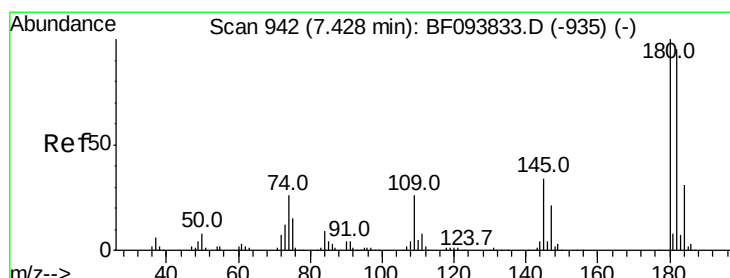
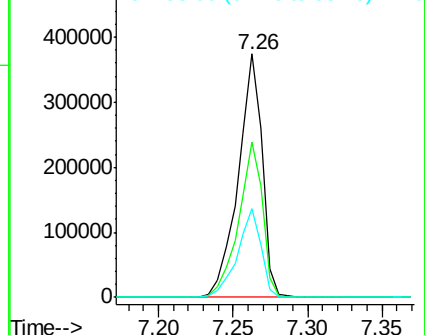
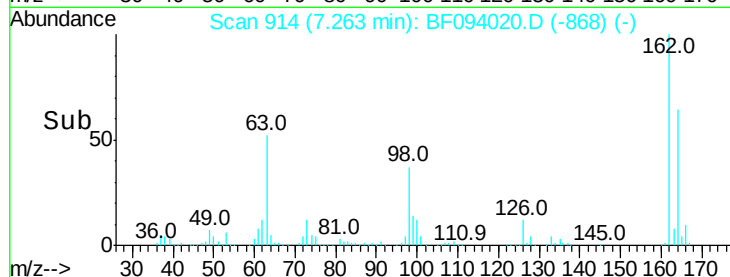
98 36.6 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 44.85 ng

RT: 7.36 min Scan# 930

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

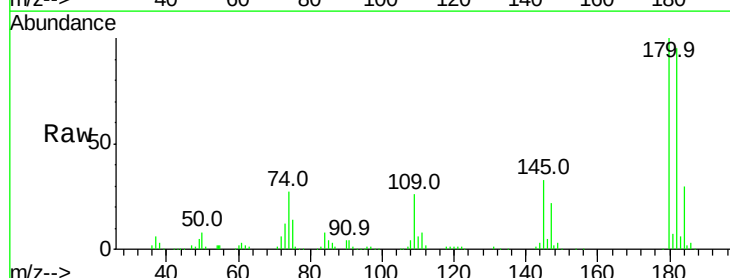
Tgt Ion:180 Resp: 400200

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

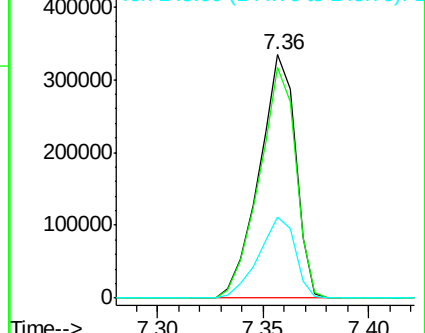
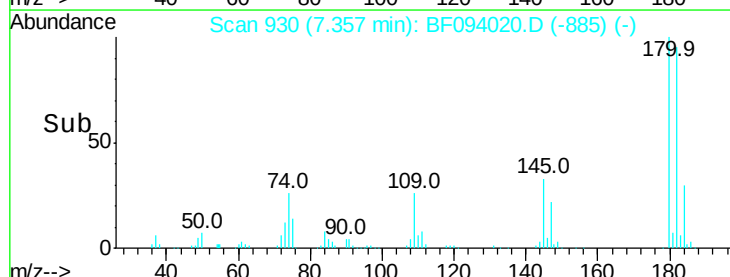
145 33.3 25.3 37.9

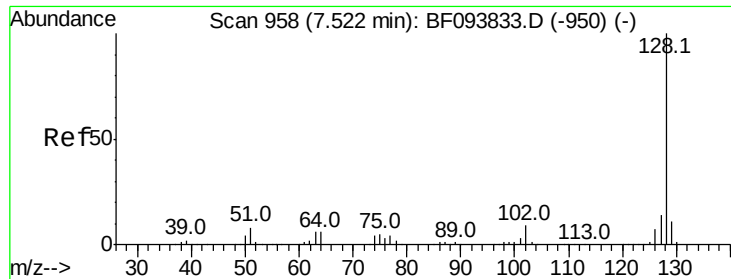


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

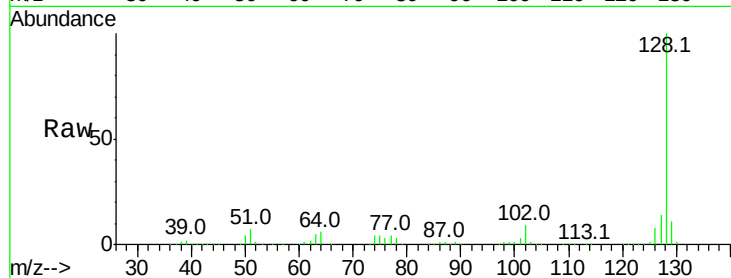




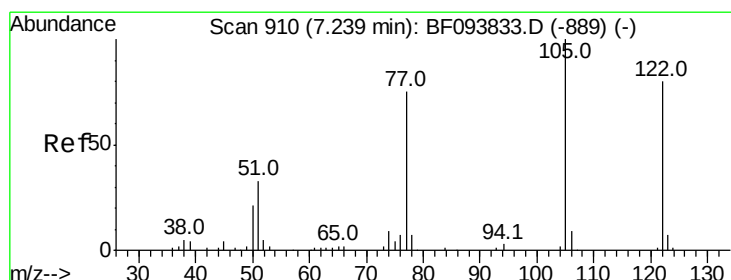
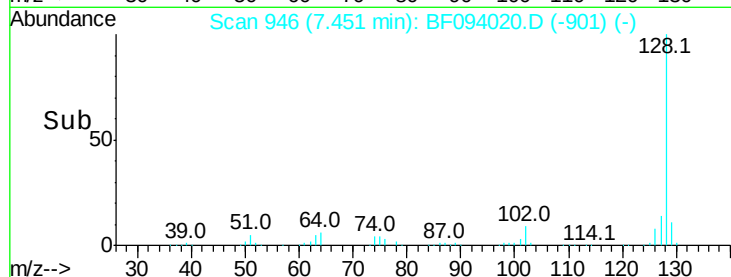
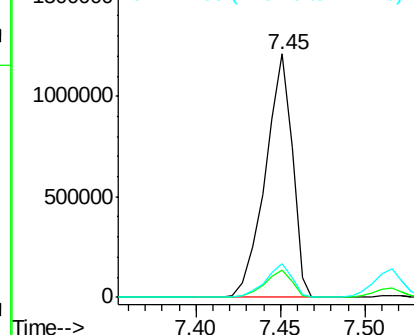
#31
Naphthalene
Concen: 42.70 ng
RT: 7.45 min Scan# 946
Delta R.T. -0.04 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Instrument :
BNA_F
ClientSampleId :
PB97899BS

Tot Ion:128 Resp: 1339786
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.9 10.8 16.2

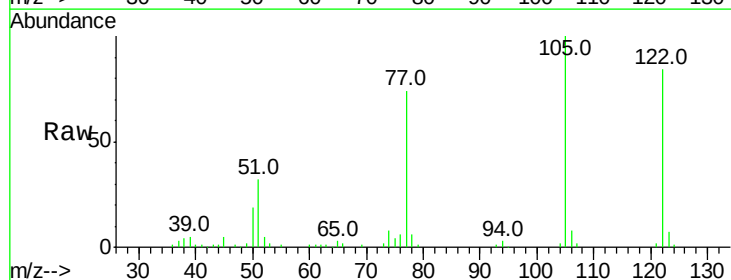


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

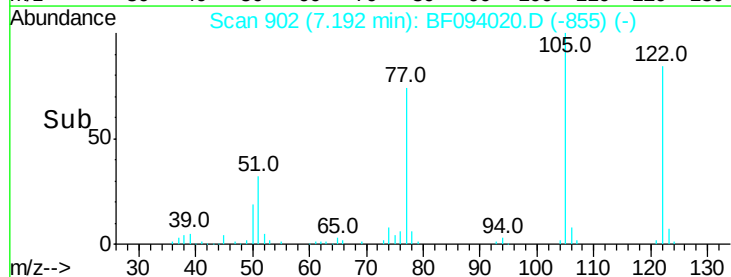
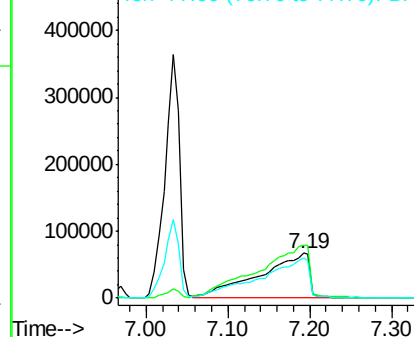


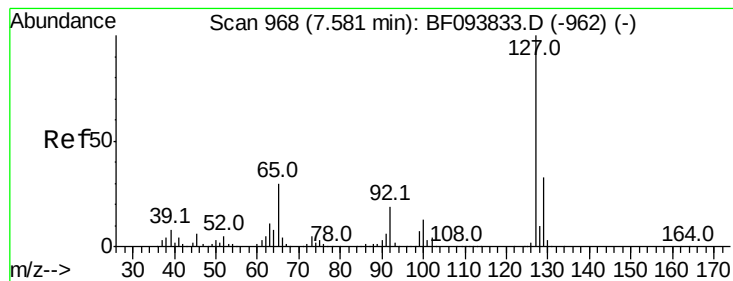
#32
Benzoic acid
Concen: 45.78 ng
RT: 7.19 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:122 Resp: 282392
Ion Ratio Lower Upper
122 100
105 119.3 103.3 143.3
77 88.2 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 14.70 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

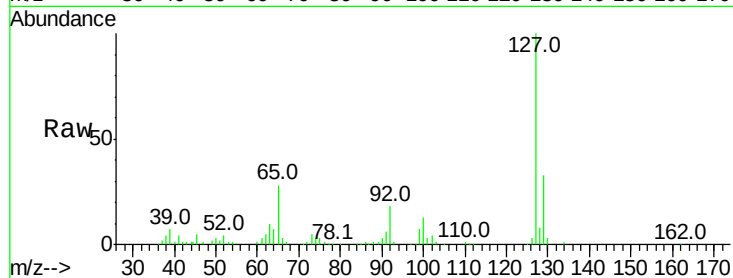
Instrument :

BNA_F

ClientSampleId :

PB97899BS

Tot Ion:	127	Resp:	186969
Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.2	39.2
65	27.6	27.8	41.8#
92	18.4	16.8	25.2



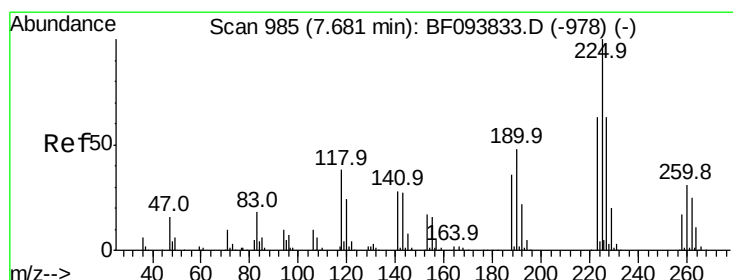
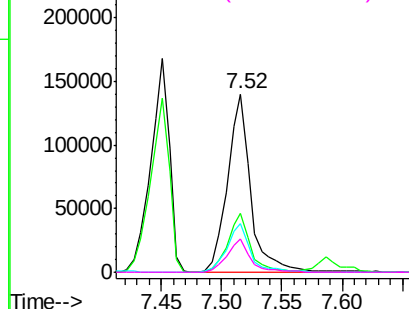
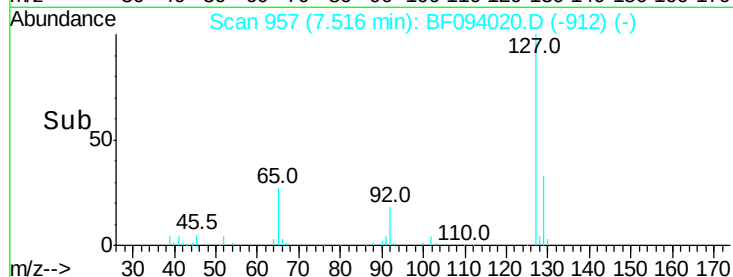
Abundance

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



#34

Hexachlorobutadiene

Concen: 44.04 ng

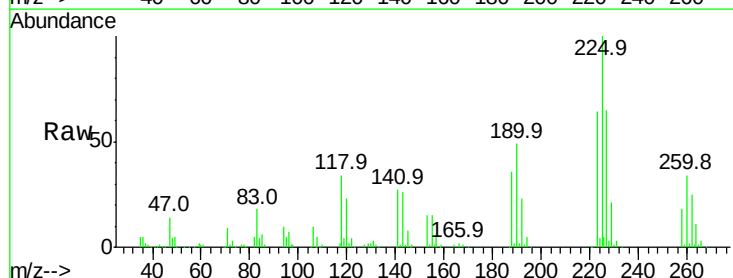
RT: 7.61 min Scan# 973

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Tgt Ion:	225	Resp:	201546
Ion	Ratio	Lower	Upper
225	100		
223	64.3	48.8	73.2
227	64.5	51.1	76.7

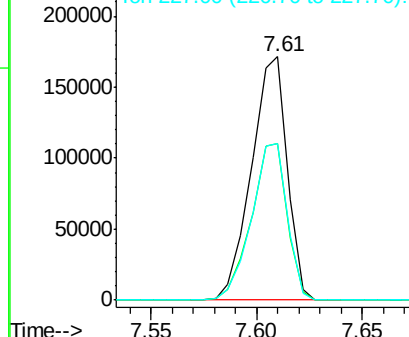
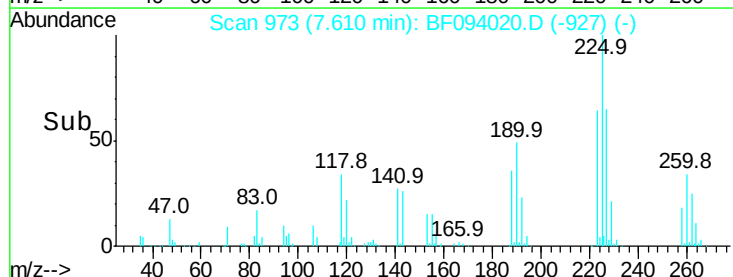


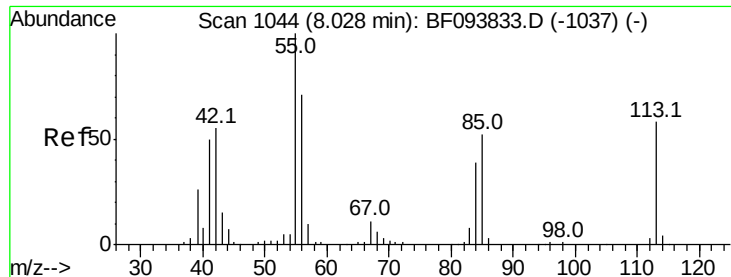
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

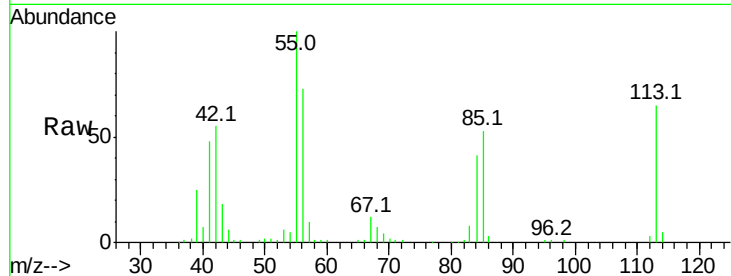




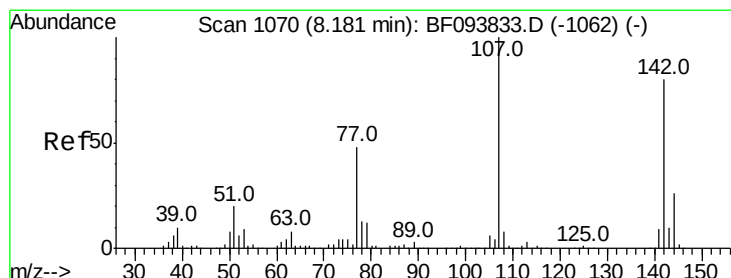
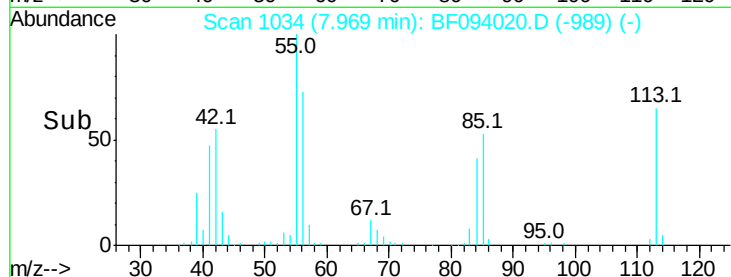
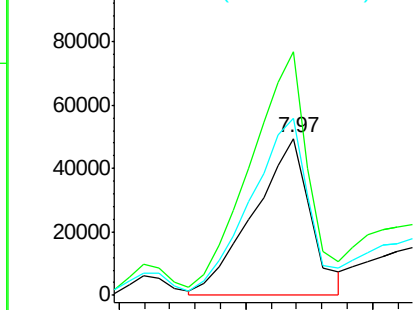
#35
 Caprolactam
 Concen: 28.10 ng
 RT: 7.97 min Scan# 1034
 Delta R.T. -0.04 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

Tot Ion:113 Resp: 77647
 Ion Ratio Lower Upper
 113 100
 55 155.0 150.2 190.2
 56 112.5 107.8 147.8

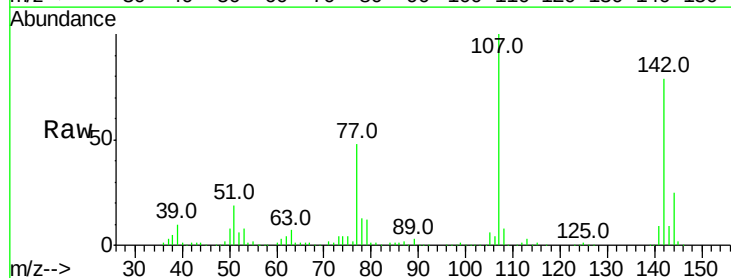


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

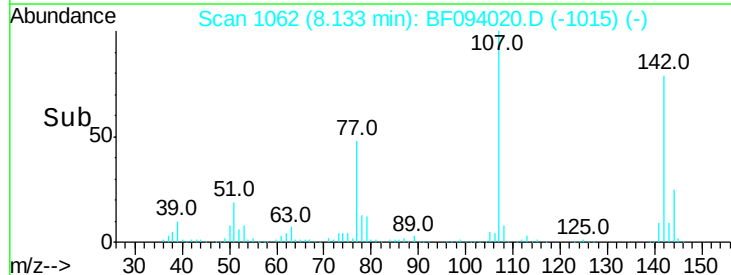
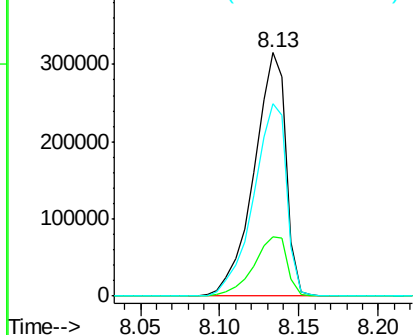


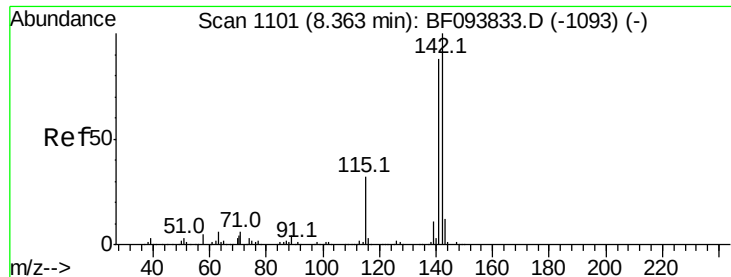
#36
 4-Chloro-3-methylphenol
 Concen: 49.19 ng
 RT: 8.13 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion:107 Resp: 445294
 Ion Ratio Lower Upper
 107 100
 144 24.5 24.2 36.4
 142 79.3 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.30 ng

RT: 8.29 min Scan# 1089

Delta R.T. -0.04 min

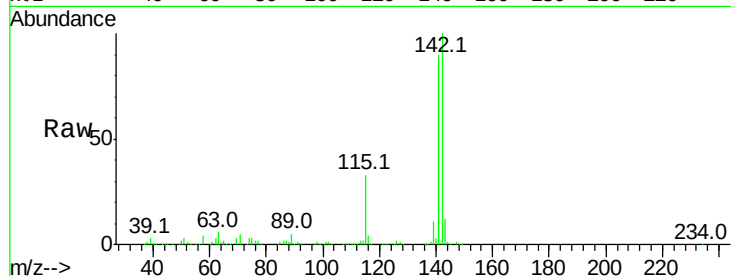
Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :
BNA_F
ClientSampleId :
PB97899BS

Tot Ion:142 Resp: 947330

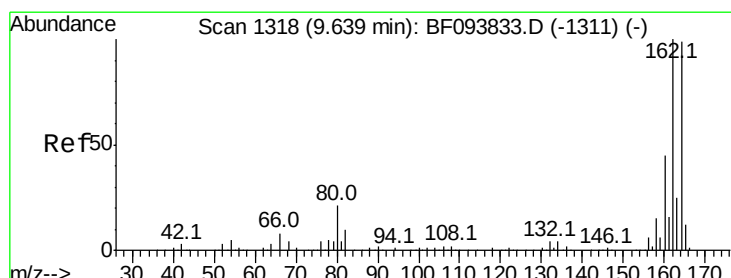
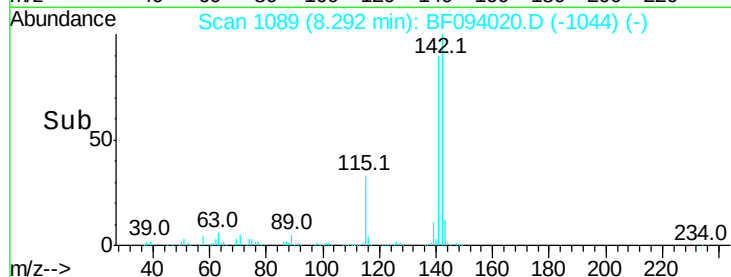
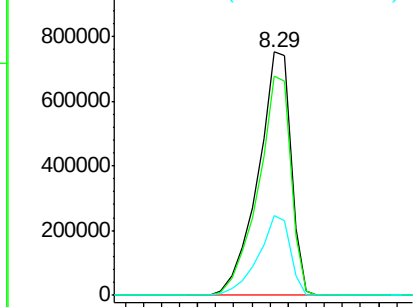
Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.3	106.9
115	32.6	27.1	40.7



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: 9.57 min Scan# 1306

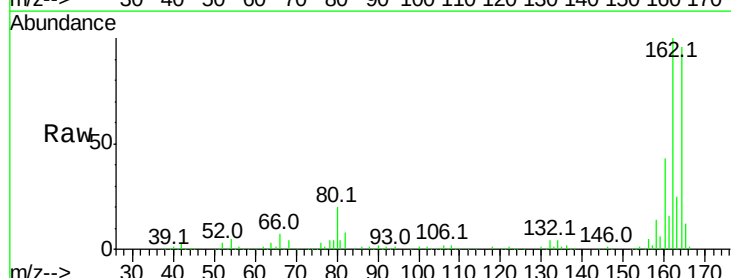
Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Tgt Ion:164 Resp: 306423

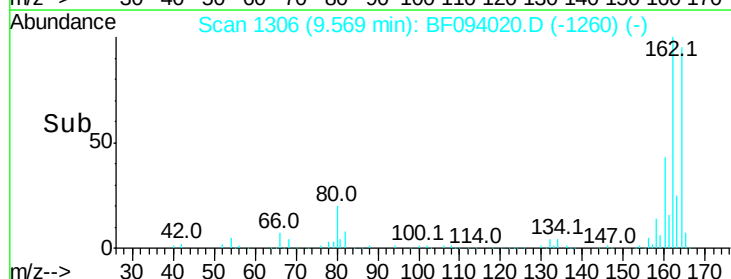
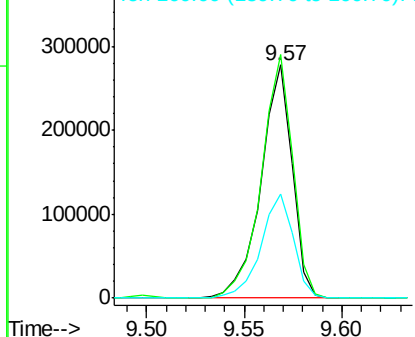
Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.6	123.8
160	44.9	36.2	54.2

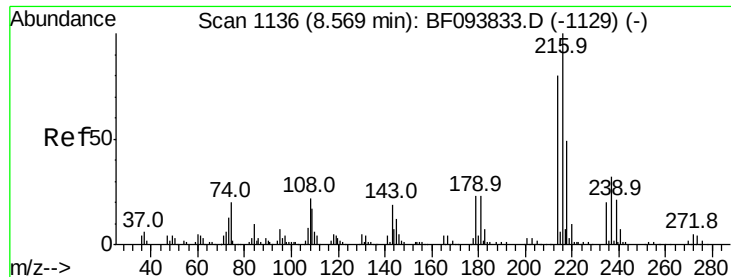


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

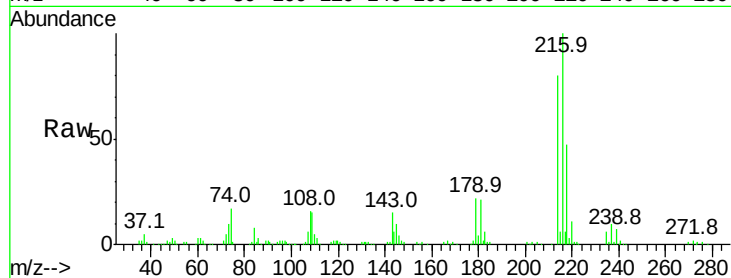




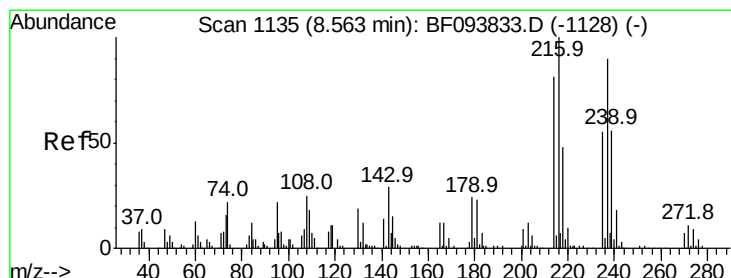
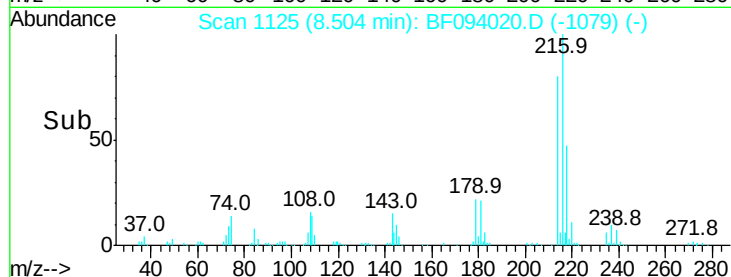
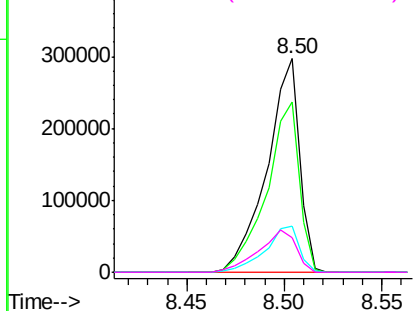
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.11 ng
 RT: 8.50 min Scan# 1125
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

Tot Ion:	216	Resp:	344642
Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.4	95.2
179	22.3	17.9	26.9
108	22.5	16.5	24.7

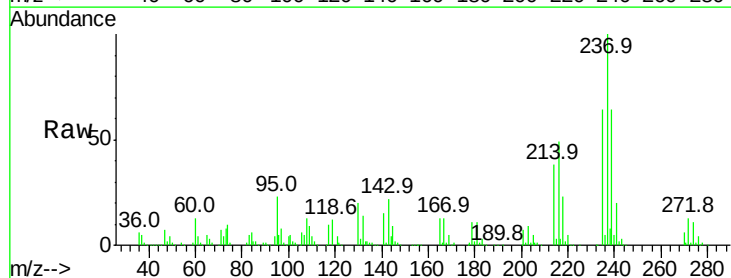


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

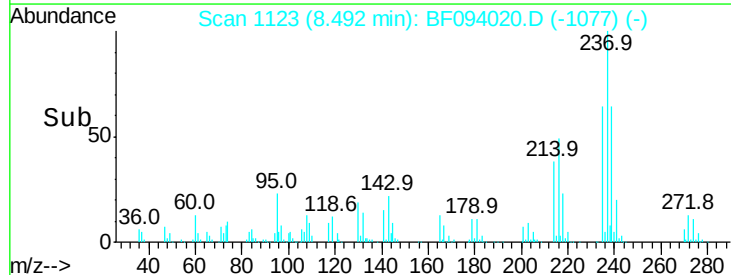
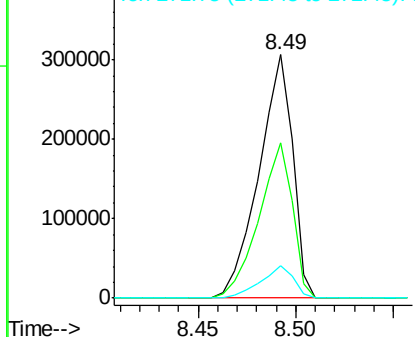


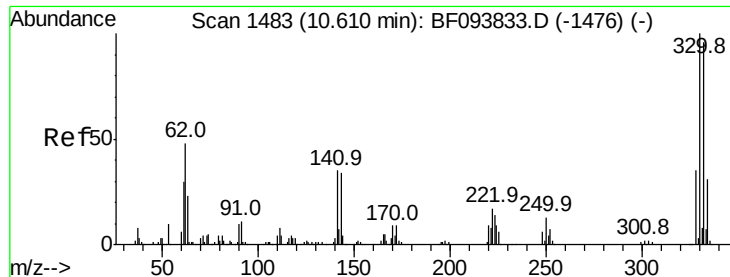
#40
 Hexachlorocyclopentadiene
 Concen: 93.92 ng
 RT: 8.49 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion:	237	Resp:	368408
Ion	Ratio	Lower	Upper
237	100		
235	63.9	42.6	82.6
272	13.2	0.0	31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

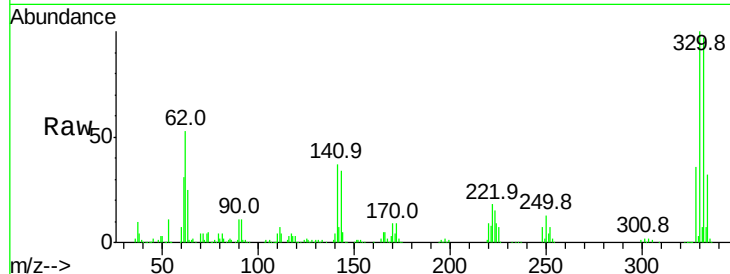




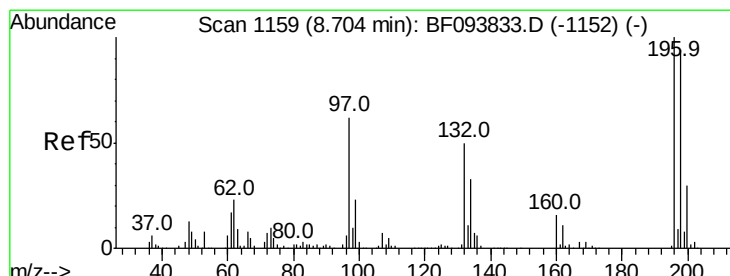
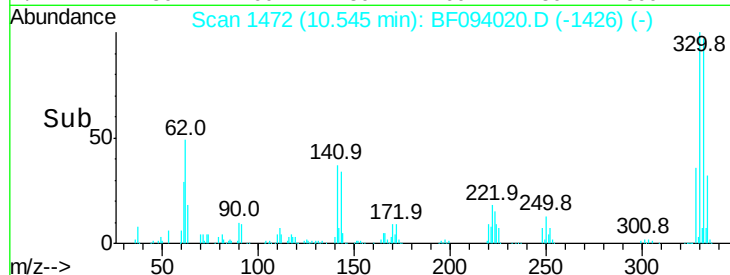
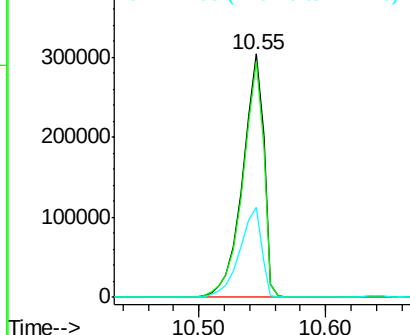
#41
 2,4,6-Tribromophenol
 Concen: 145.02 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	38.2	31.4	47.2

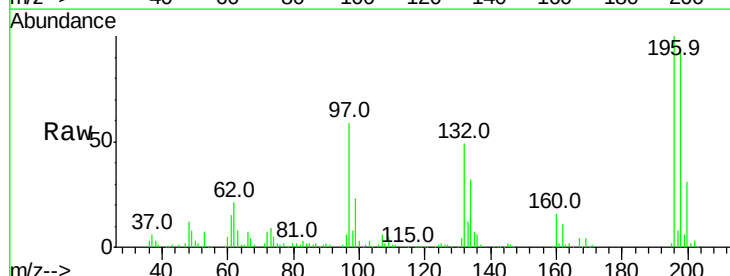


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

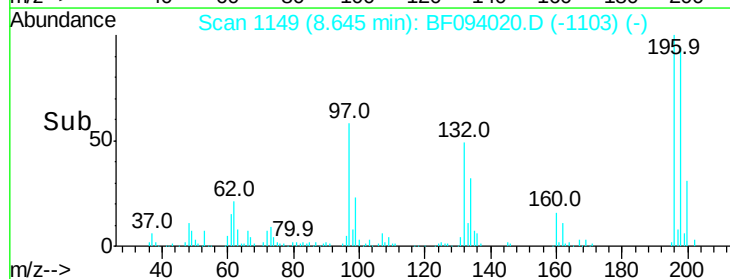
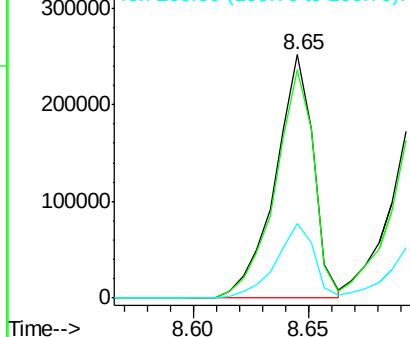


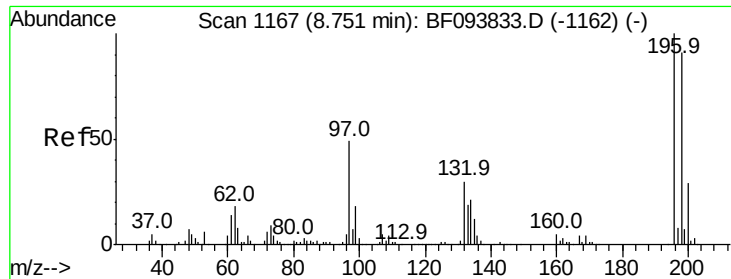
#42
 2,4,6-Trichlorophenol
 Concen: 48.44 ng
 RT: 8.65 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.8	74.2	111.4
200	30.8	24.0	36.0



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

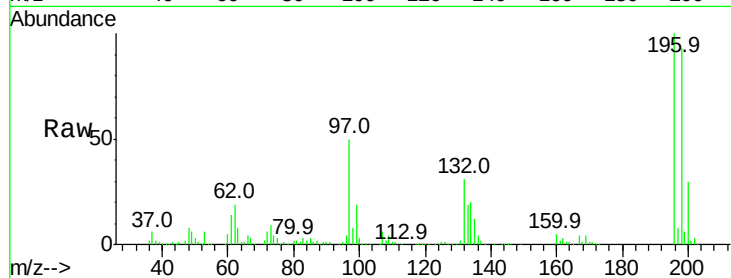




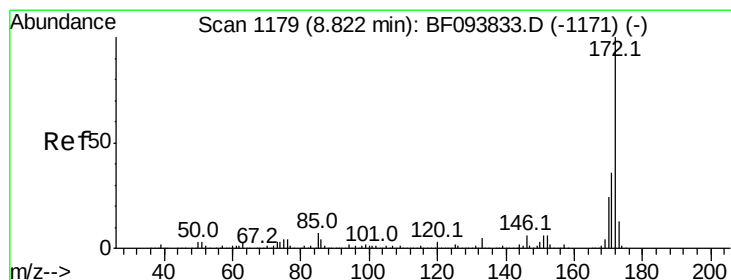
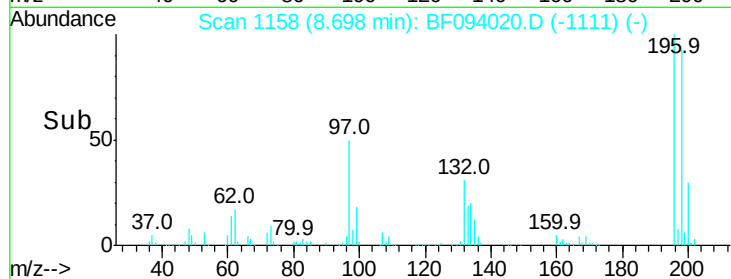
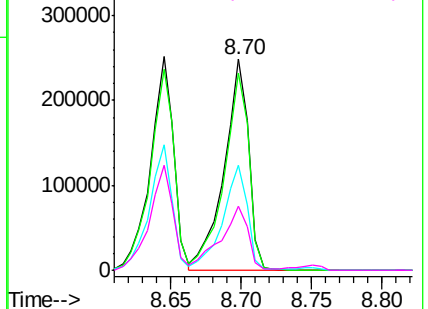
#43
 2,4,5-Trichlorophenol
 Concen: 46.68 ng
 RT: 8.70 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

Tot Ion:196 Resp: 299535
 Ion Ratio Lower Upper
 196 100
 198 93.4 75.7 113.5
 97 50.0 47.7 71.5
 132 30.6 28.0 42.0

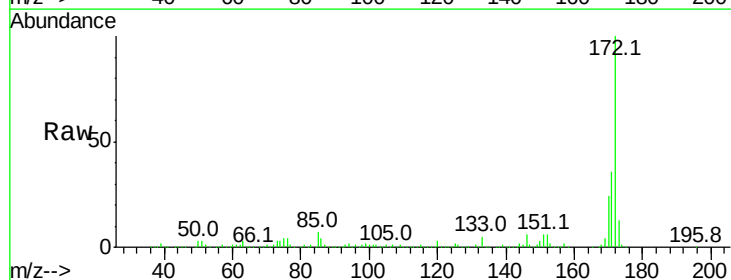


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

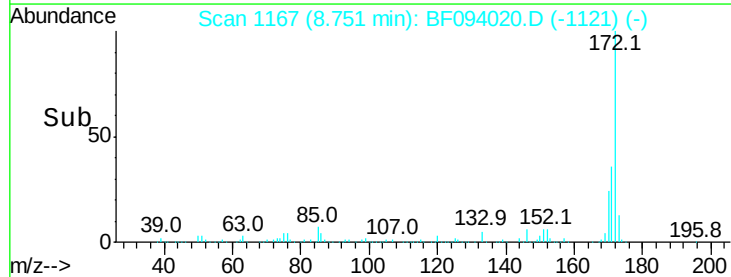
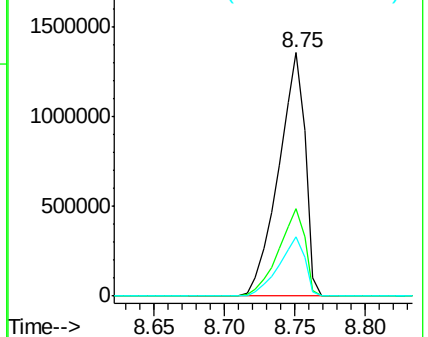


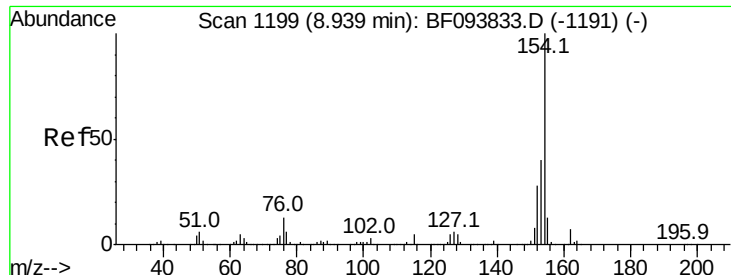
#44
 2-Fluorobiphenyl
 Concen: 88.86 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion:172 Resp: 1785253
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 24.2 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

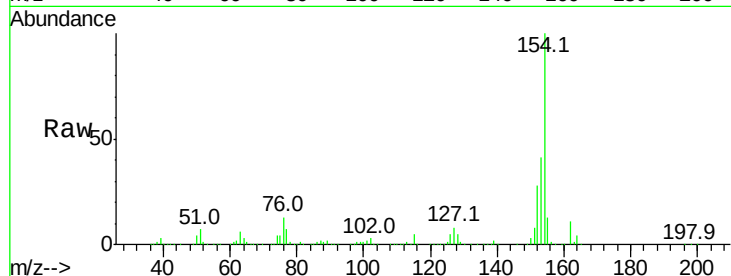




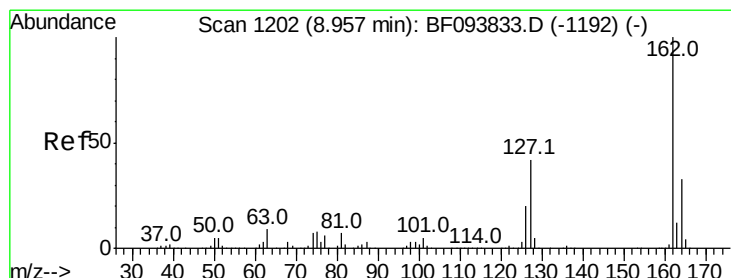
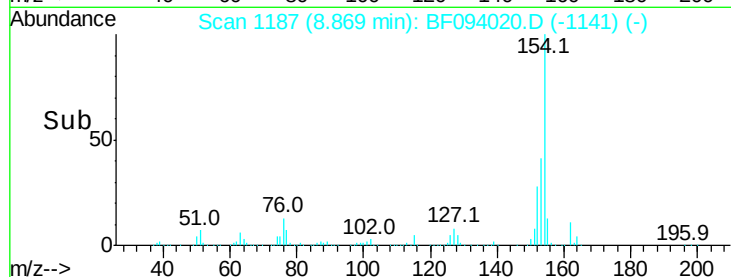
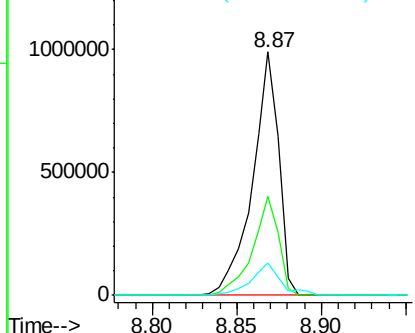
#45
1,1'-Biphenyl
Concen: 43.26 ng
RT: 8.87 min Scan# 1187
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Instrument :
BNA_F
ClientSampleId :
PB97899BS

Tot Ion:154 Resp: 1069266
Ion Ratio Lower Upper
154 100
153 40.9 21.2 61.2
76 13.3 0.0 29.9

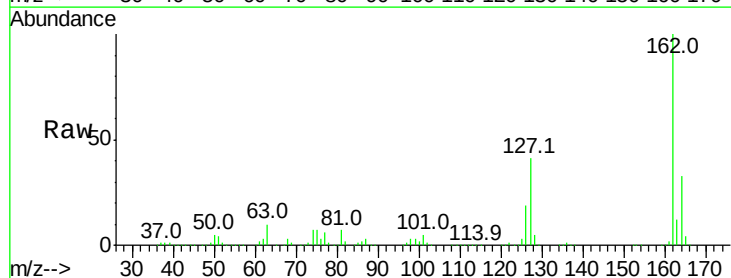


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): E

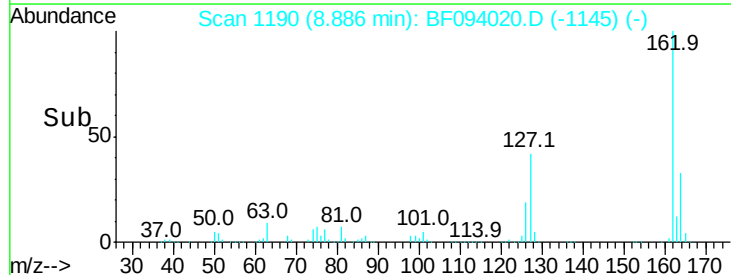
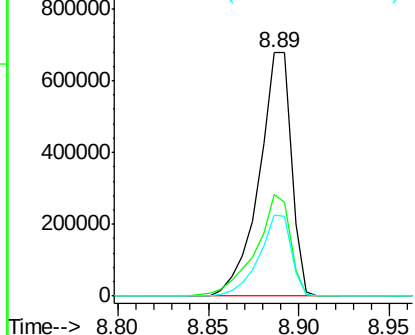


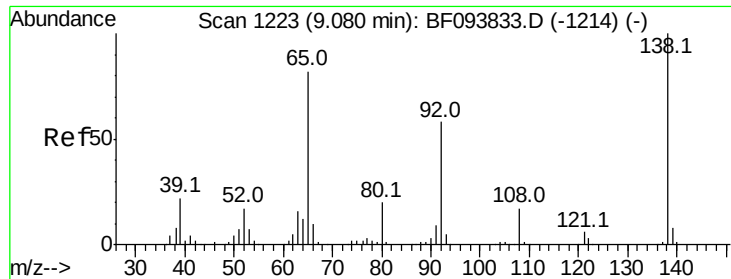
#46
2-Chloronaphthalene
Concen: 43.57 ng
RT: 8.89 min Scan# 1190
Delta R.T. -0.04 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:162 Resp: 842978
Ion Ratio Lower Upper
162 100
127 41.5 28.3 42.5
164 33.2 27.0 40.4



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

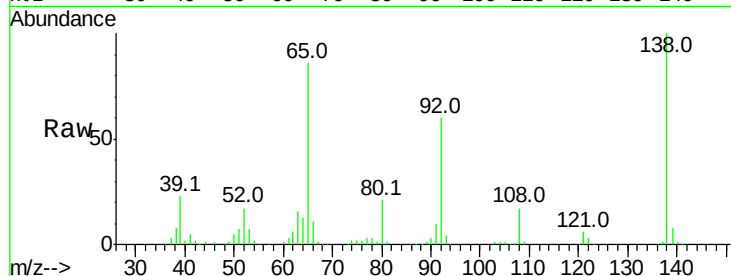




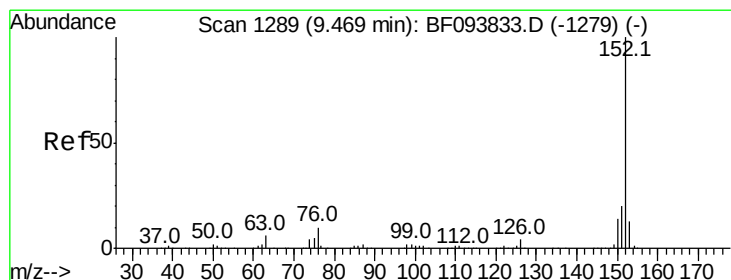
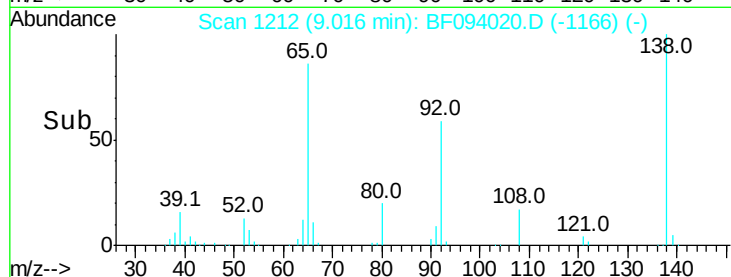
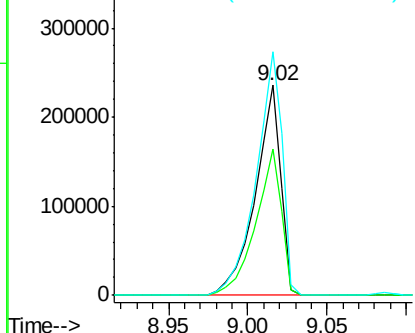
#47
 2-Nitroaniline
 Concen: 45.96 ng
 RT: 9.02 min Scan# 1212
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

Tot Ion: 65 Resp: 263763
 Ion Ratio Lower Upper
 65 100
 92 69.9 53.9 80.9
 138 115.8 78.8 118.2

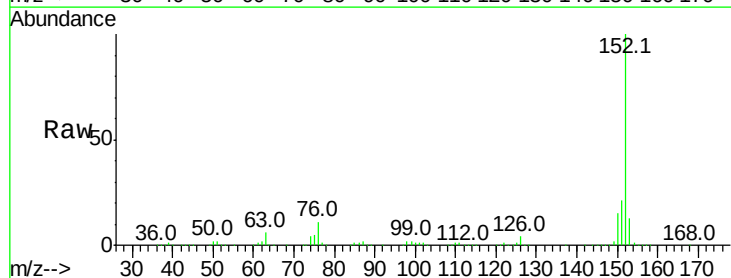


Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E

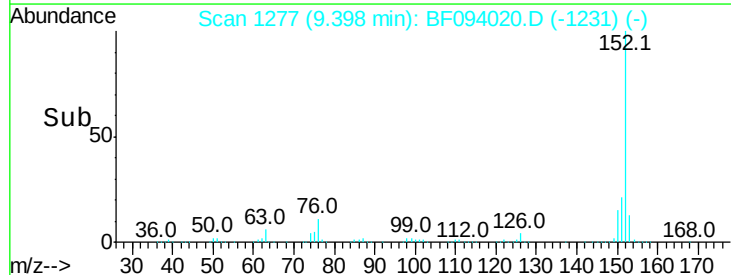
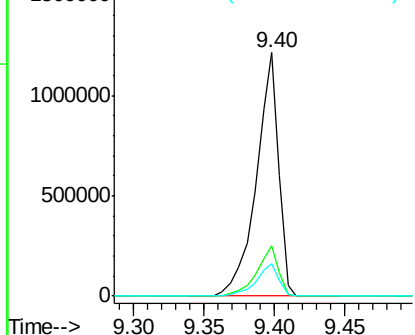


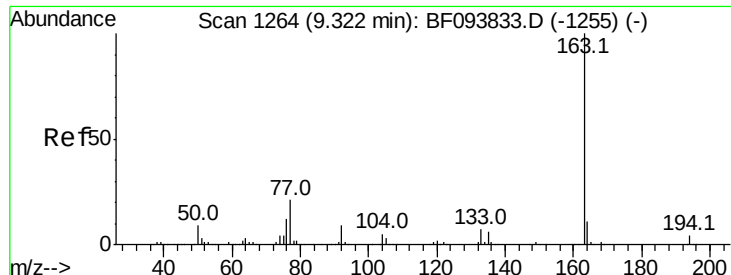
#48
 Acenaphthylene
 Concen: 41.96 ng
 RT: 9.40 min Scan# 1277
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion:152 Resp: 1349191
 Ion Ratio Lower Upper
 152 100
 151 20.8 16.8 25.2
 153 13.4 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

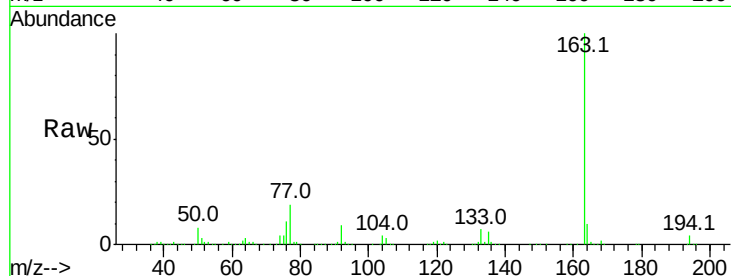




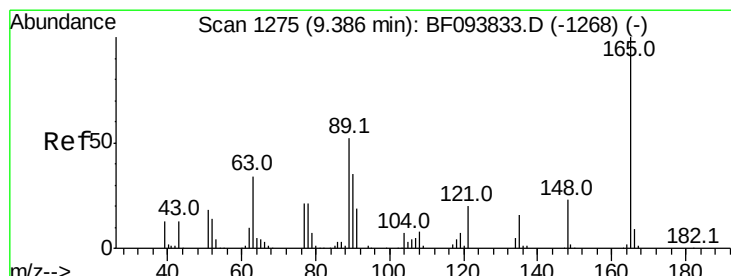
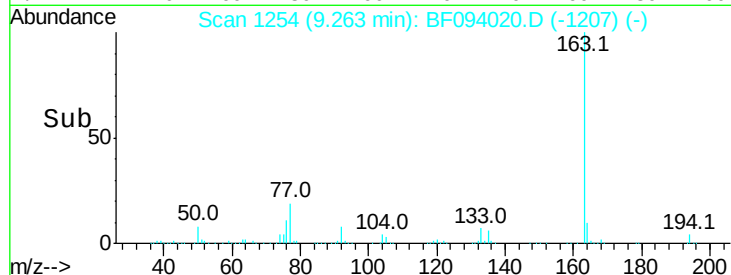
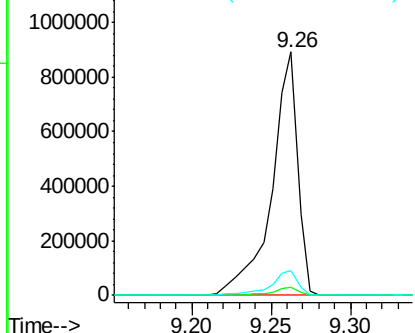
#49
Dimethylphthalate
Concen: 46.68 ng
RT: 9.26 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Instrument :
BNA_F
ClientSampleId :
PB97899BS

Tot Ion:163 Resp: 1016715
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.1 8.4 12.6

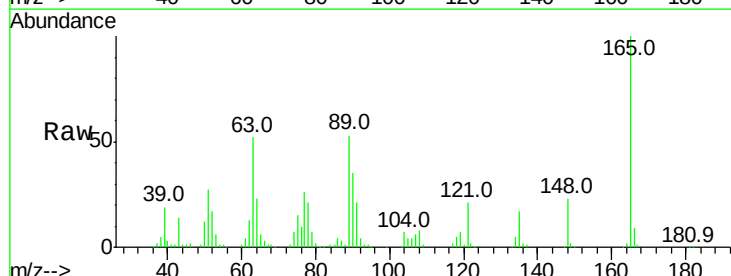


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

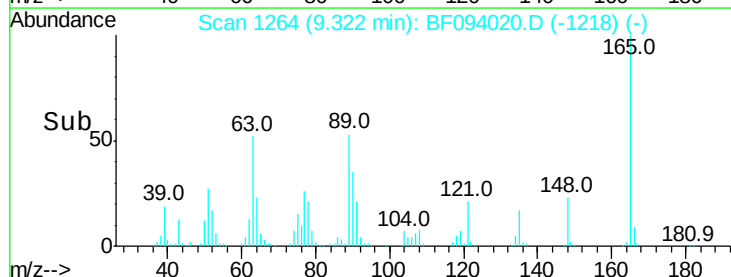
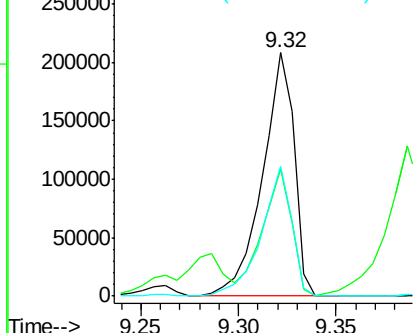


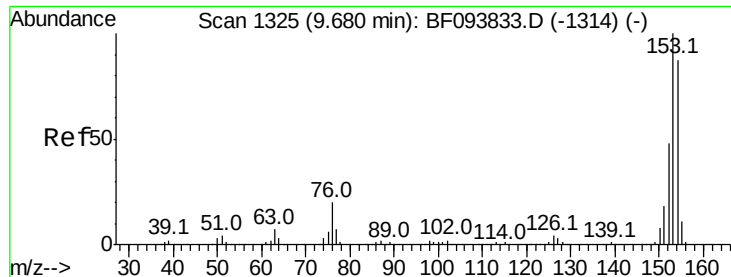
#50
2,6-Dinitrotoluene
Concen: 47.01 ng
RT: 9.32 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:165 Resp: 234724
Ion Ratio Lower Upper
165 100
63 52.2 34.3 51.5#
89 53.1 37.1 55.7



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





#51

Acenaphthene

Concen: 43.28 ng

RT: 9.61 min Scan# 1313

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

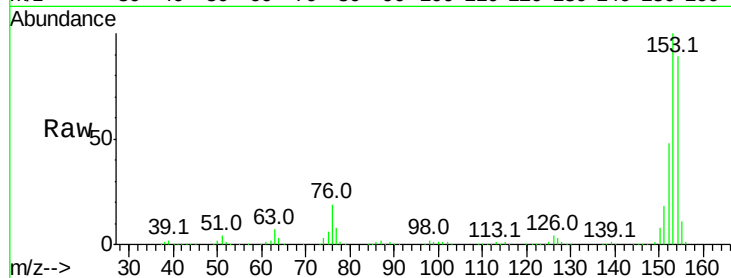
Tot Ion:154 Resp: 812009

Ion Ratio Lower Upper

154 100

153 112.1 90.5 135.7

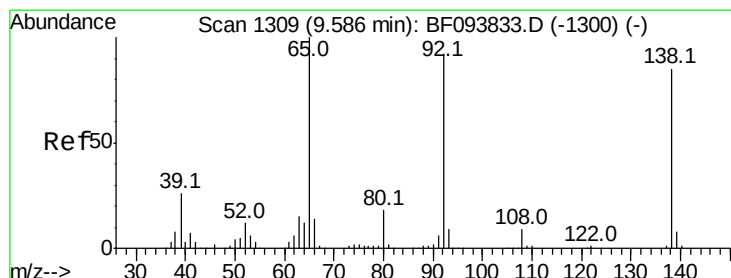
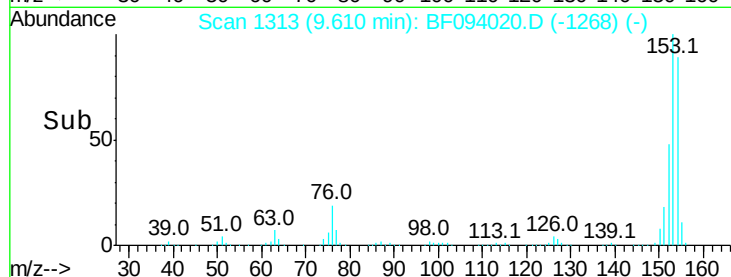
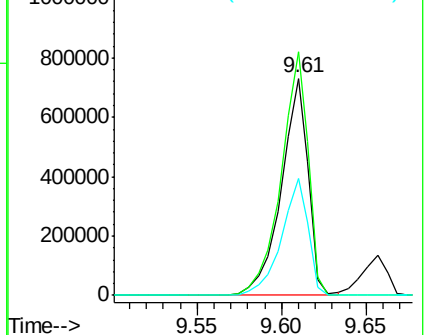
152 54.0 43.6 65.4



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



#52

3-Nitroaniline

Concen: 23.23 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

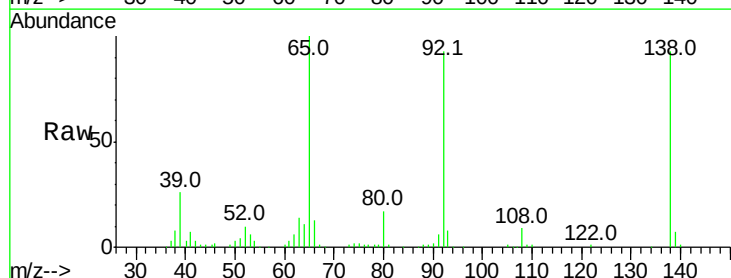
Tgt Ion:138 Resp: 136186

Ion Ratio Lower Upper

138 100

108 9.9 9.1 13.7

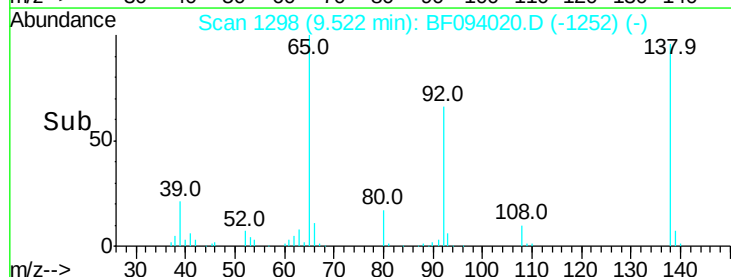
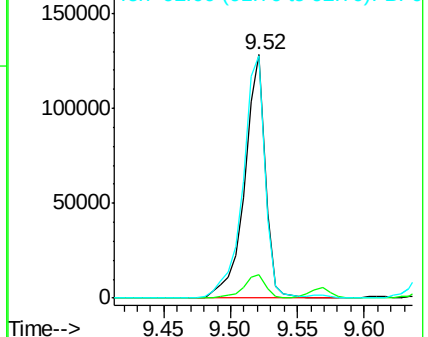
92 99.6 93.8 140.6

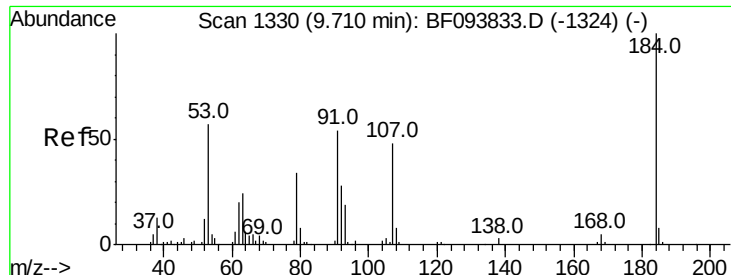


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

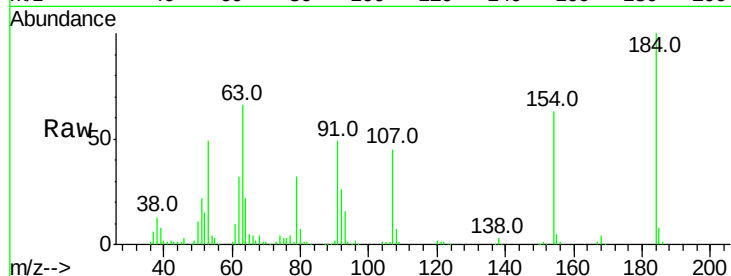




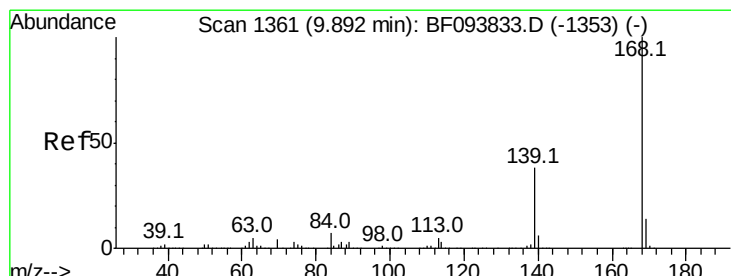
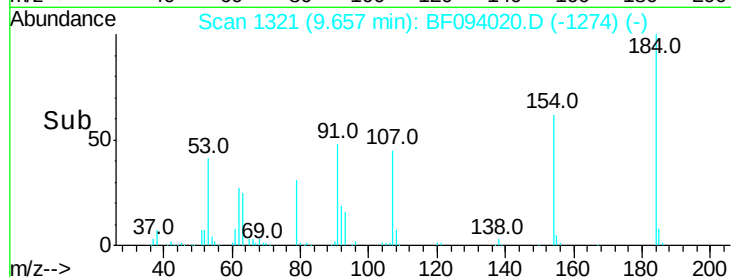
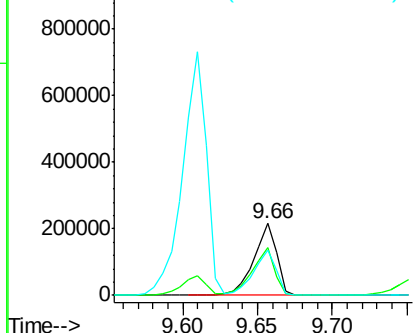
#53
 2,4-Dinitrophenol
 Concen: 85.85 ng
 RT: 9.66 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Instrument :
 BNA_F
 ClientSampleID :
 PB97899BS

Tot Ion:184 Resp: 230348
 Ion Ratio Lower Upper
 184 100
 63 65.7 62.7 94.1
 154 63.4 81.1 121.7#

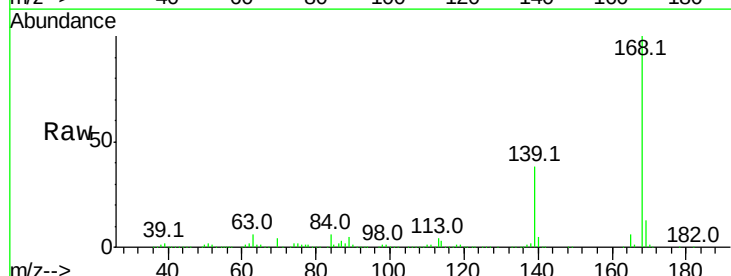


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

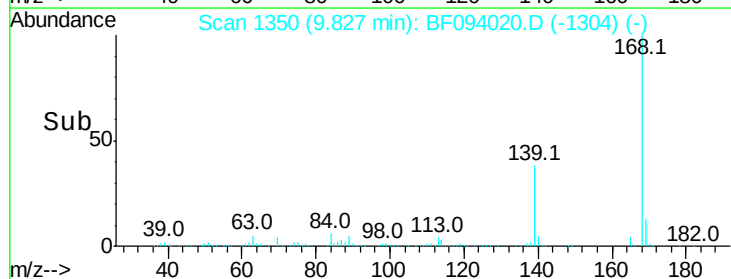
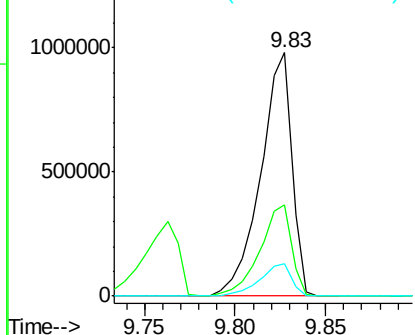


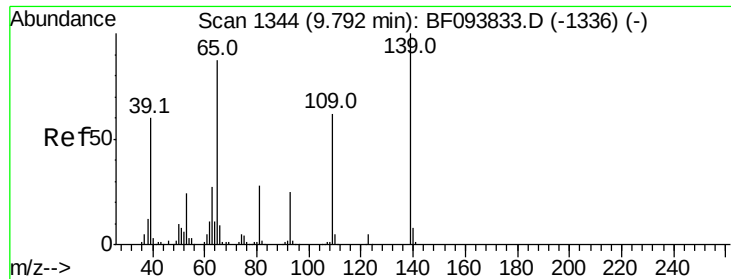
#54
 Dibenzofuran
 Concen: 45.99 ng
 RT: 9.83 min Scan# 1350
 Delta R.T. -0.03 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion:168 Resp: 1174591
 Ion Ratio Lower Upper
 168 100
 139 37.6 30.6 45.8
 169 13.3 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

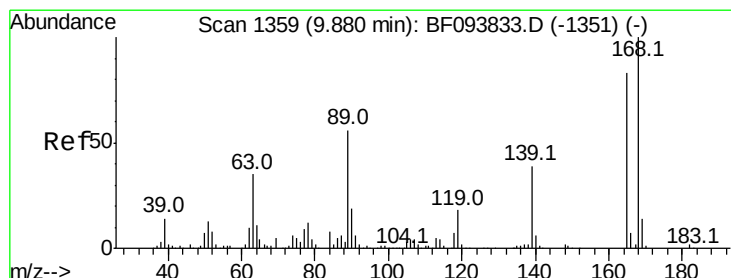
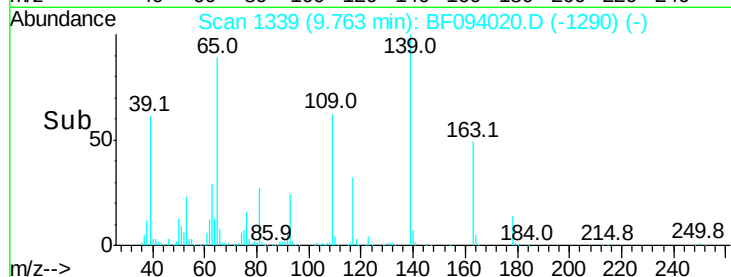
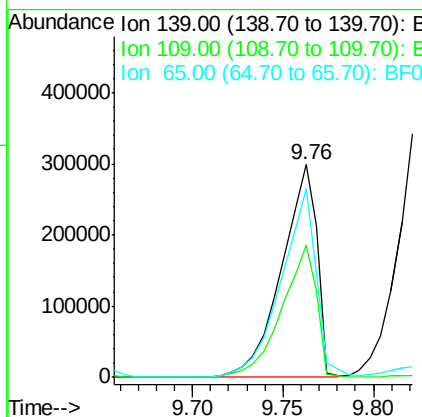
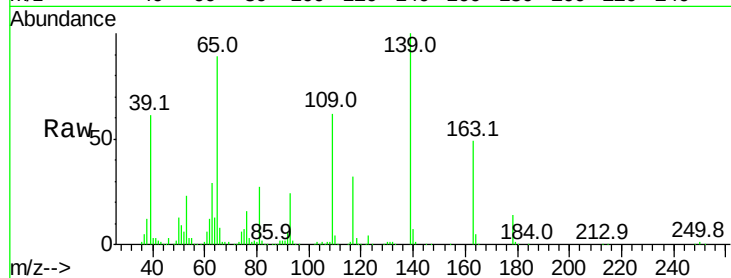




#55
4-Nitrophenol
Concen: 89.17 ng
RT: 9.76 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

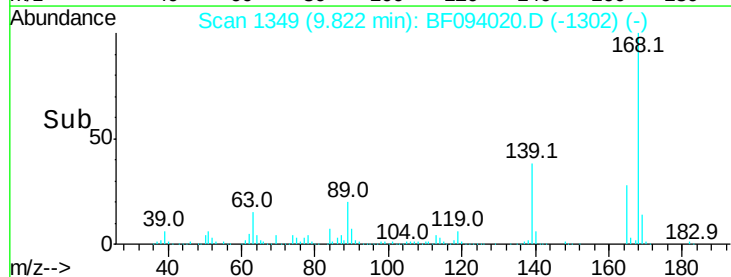
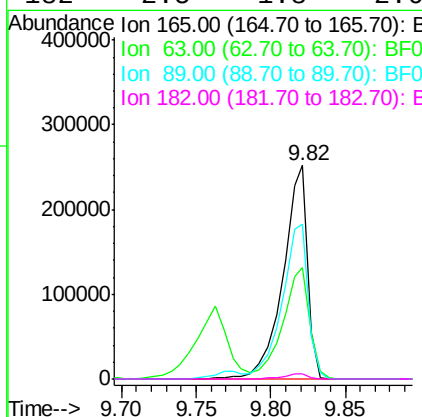
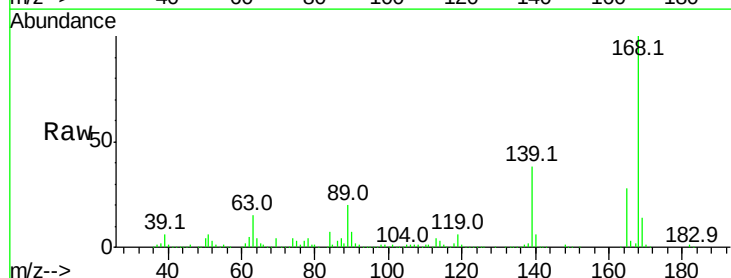
Instrument :
BNA_F
ClientSampled :
PB97899BS

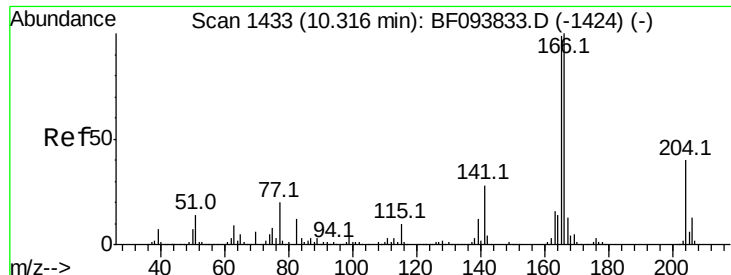
Tot Ion:139 Resp: 409444
Ion Ratio Lower Upper
139 100
109 62.4 34.1 74.1
65 88.8 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 46.50 ng
RT: 9.82 min Scan# 1349
Delta R.T. -0.02 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:165 Resp: 291655
Ion Ratio Lower Upper
165 100
63 52.4 25.4 38.0#
89 72.3 46.4 69.6#
182 2.5 1.8 2.6





#57

Fluorene

Concen: 41.33 ng

RT: 10.25 min Scan# 1421

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

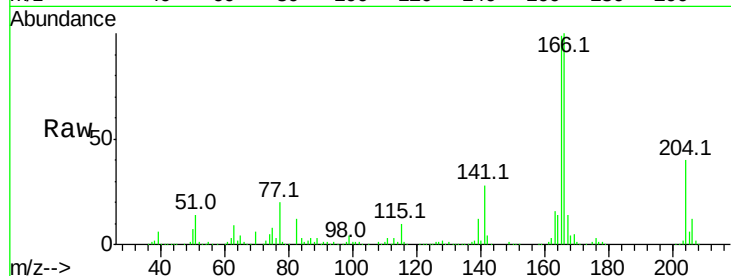
Tot Ion:166 Resp: 875300

Ion Ratio Lower Upper

166 100

165 99.1 78.8 118.2

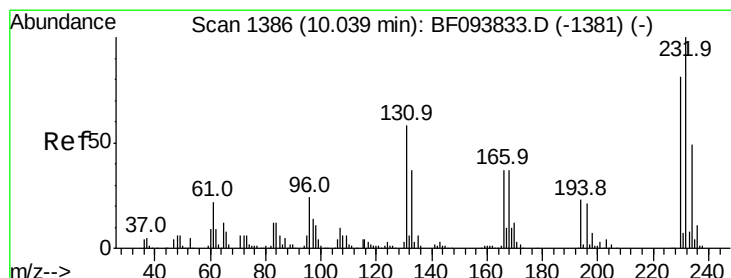
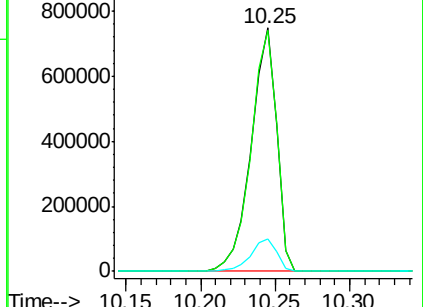
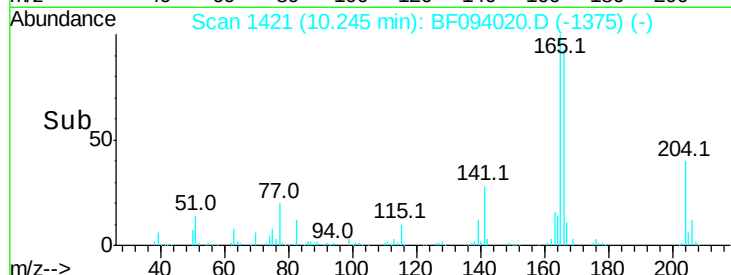
167 13.6 10.6 16.0



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.71 ng

RT: 9.98 min Scan# 1376

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Tgt Ion:232 Resp: 218887

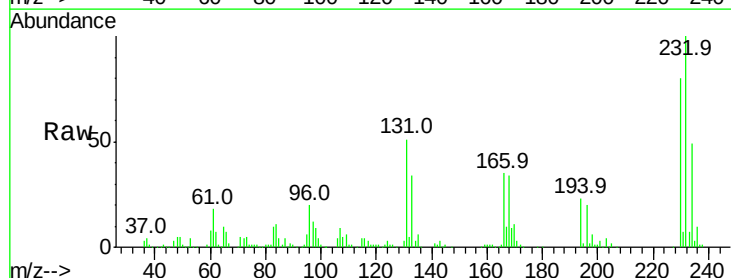
Ion Ratio Lower Upper

232 100

131 53.6 44.8 67.2

130 2.7 2.3 3.5

166 35.5 29.0 43.4

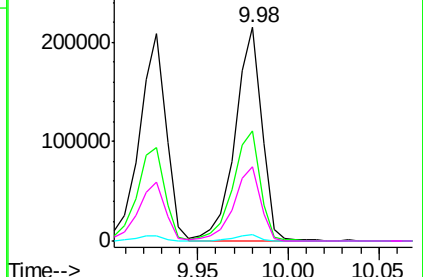
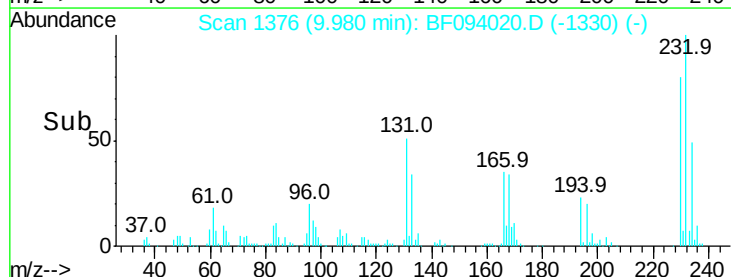


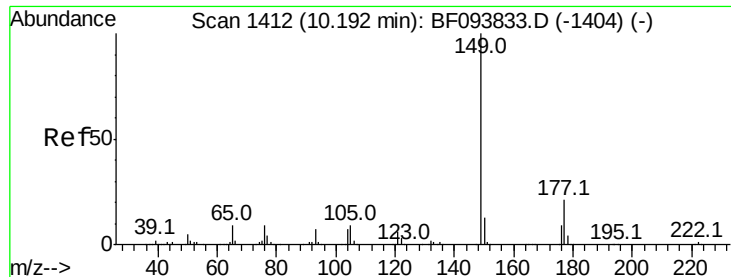
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

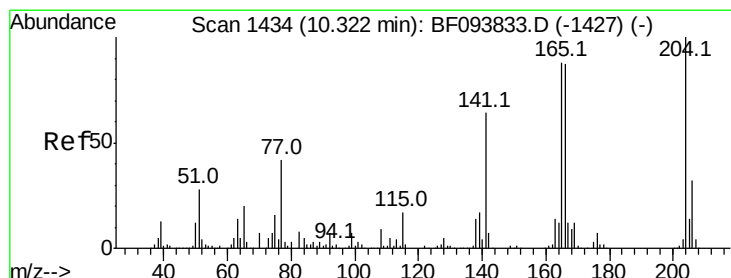
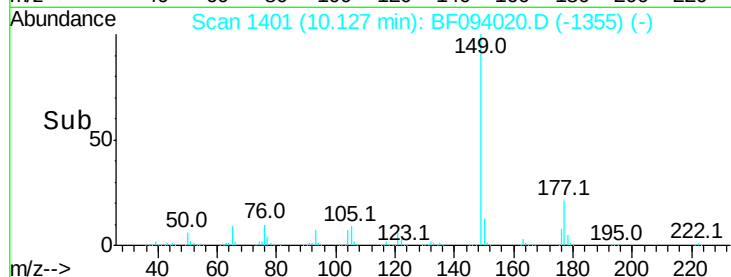
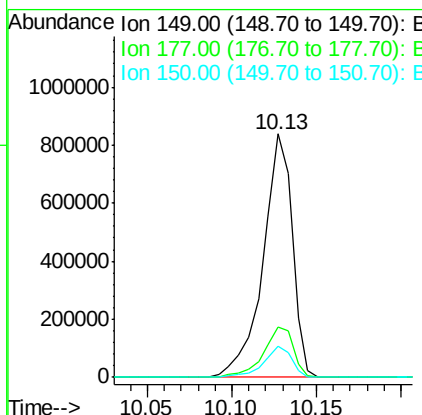
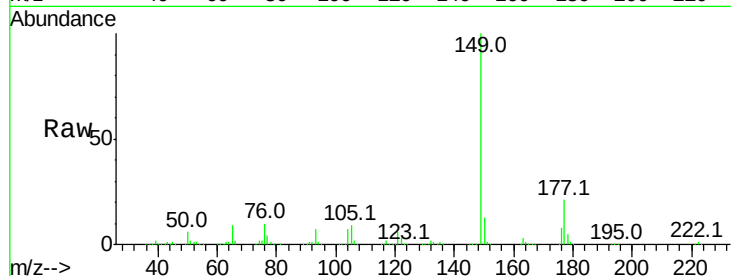




#59
Diethylphthalate
Concen: 46.93 ng
RT: 10.13 min Scan# 1401
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

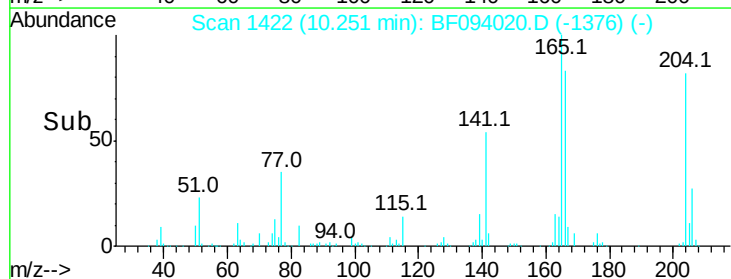
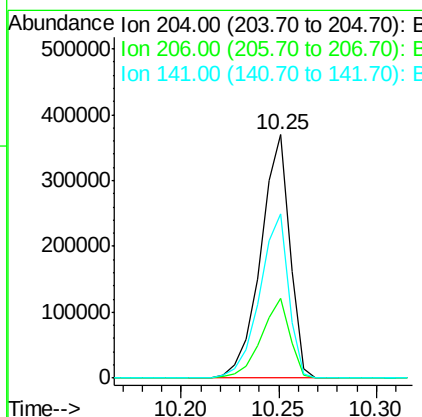
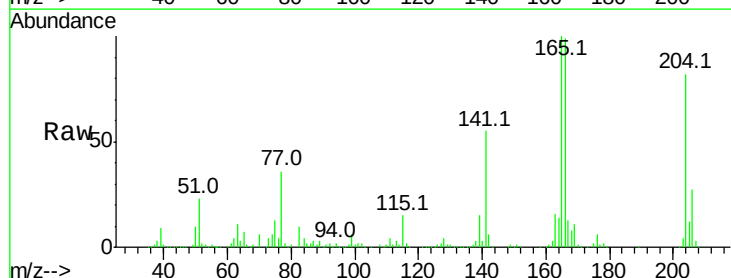
Instrument :
BNA_F
ClientSampled :
PB97899BS

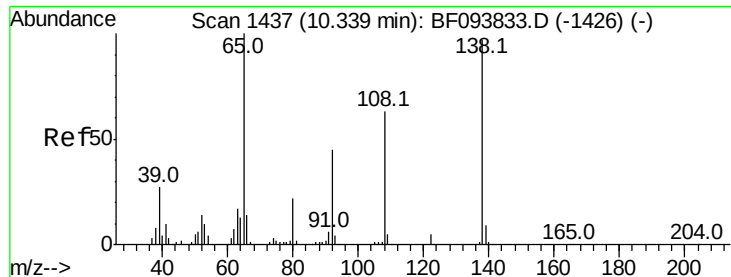
Tot Ion:149 Resp: 1010416
Ion Ratio Lower Upper
149 100
177 20.7 16.7 25.1
150 12.6 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 42.34 ng
RT: 10.25 min Scan# 1422
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:204 Resp: 382003
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 67.3 60.8 91.2





#61

4-Nitroaniline

Concen: 44.72 ng

RT: 10.29 min Scan# 1428

Delta R.T. -0.02 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

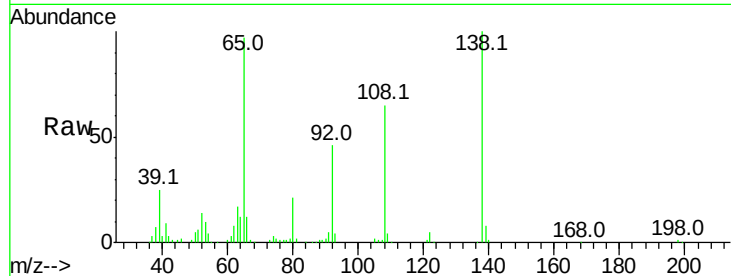
Tot Ion:138 Resp: 251637

Ion Ratio Lower Upper

138 100

92 46.0 21.8 61.8

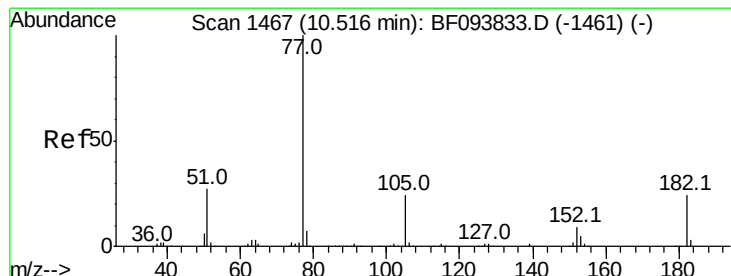
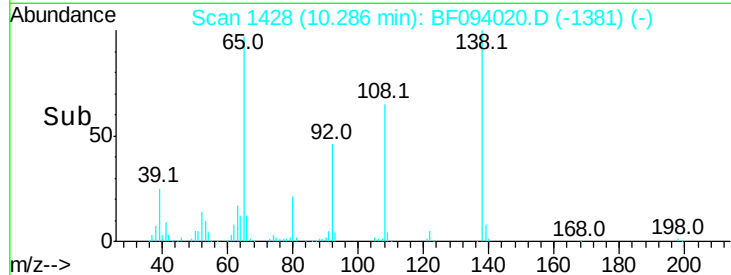
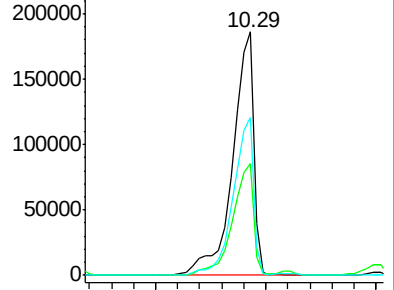
108 64.8 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 47.72 ng

RT: 10.45 min Scan# 1455

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Tgt Ion: 77 Resp: 971868

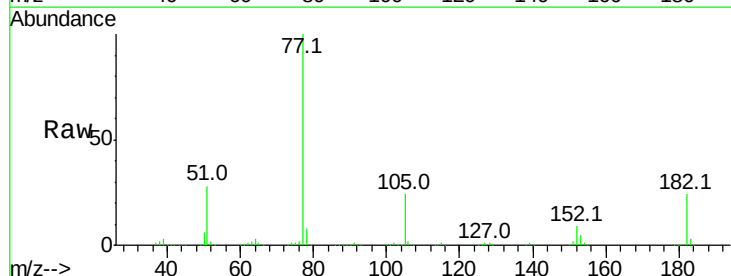
Ion Ratio Lower Upper

77 100

182 24.0 0.1 40.1

105 23.9 3.6 43.6

51 27.8 9.4 49.4

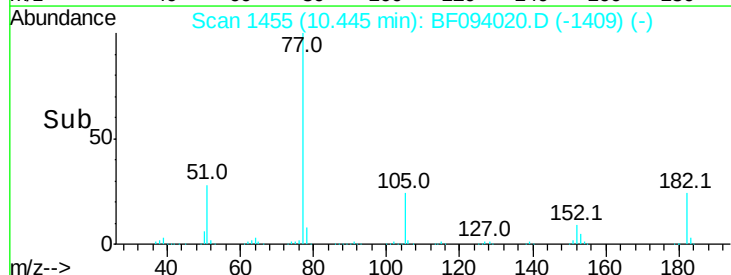
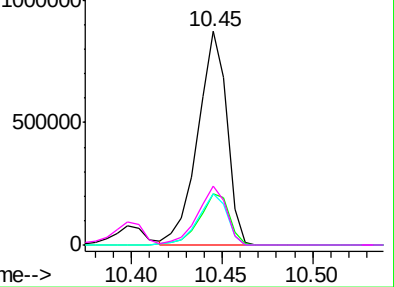


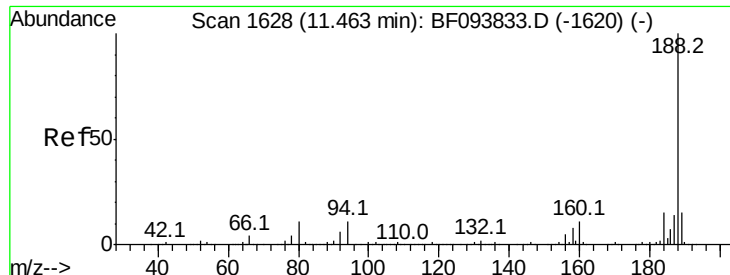
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.39 min Scan# 1616

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

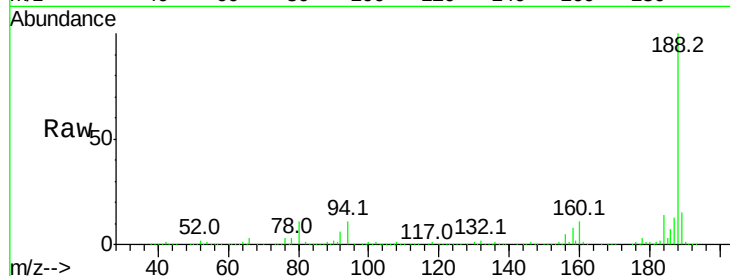
Tot Ion:188 Resp: 543904

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

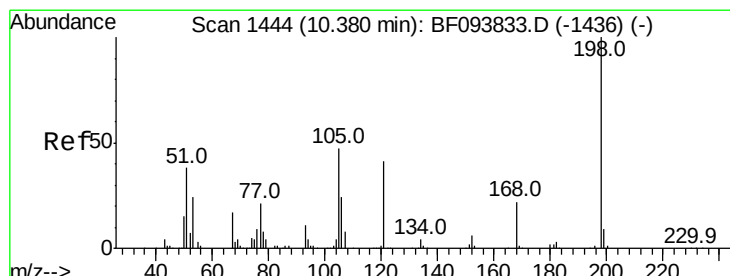
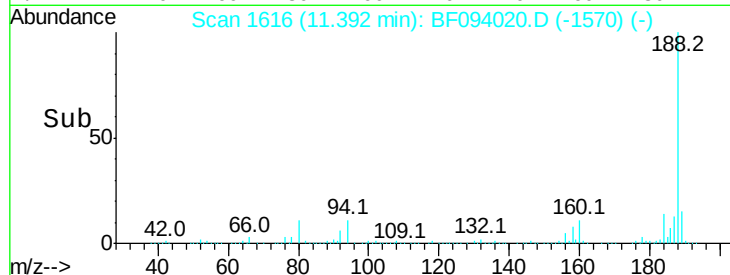
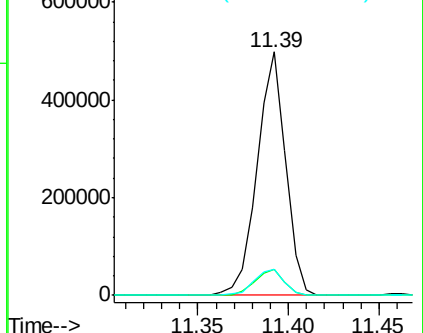
80 10.8 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 46.39 ng

RT: 10.32 min Scan# 1434

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

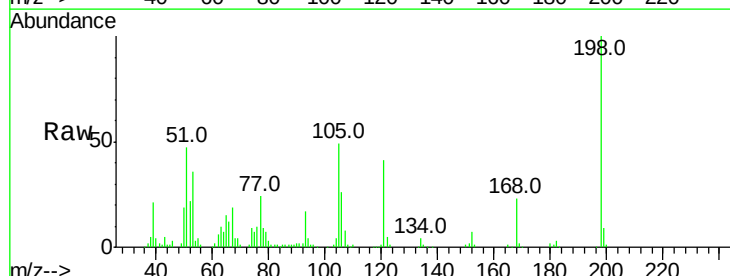
Tgt Ion:198 Resp: 154537

Ion Ratio Lower Upper

198 100

51 46.6 53.2 93.2#

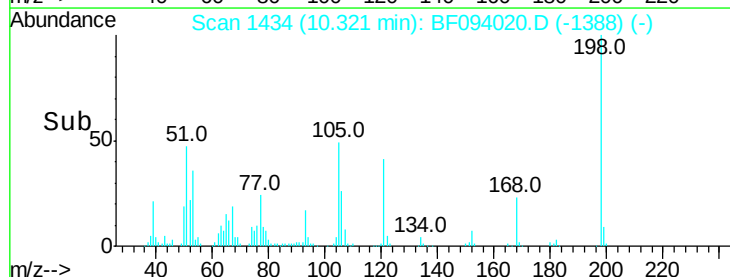
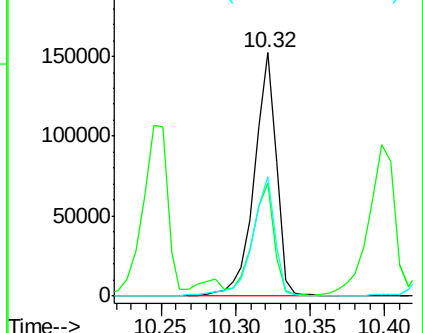
105 49.1 45.8 85.8

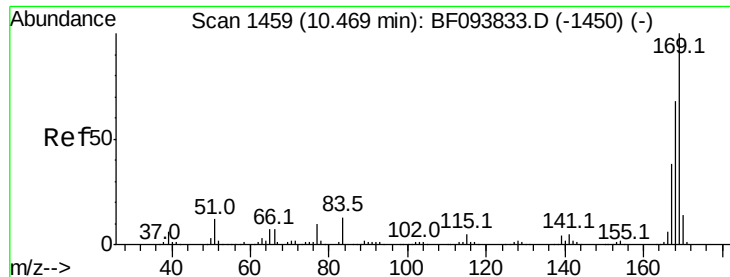


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

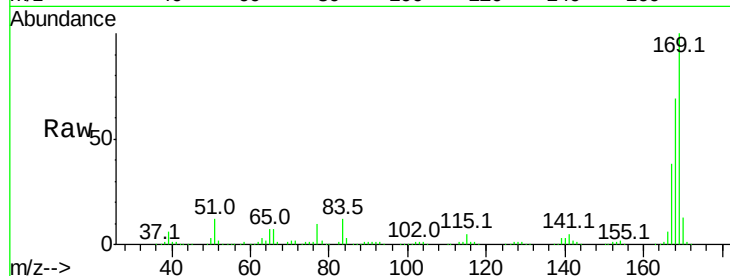




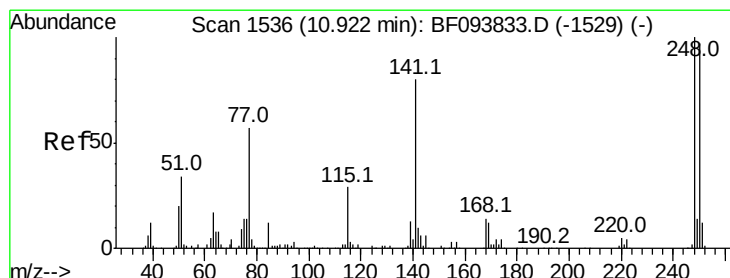
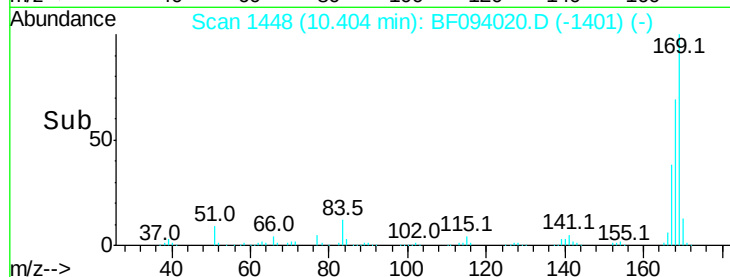
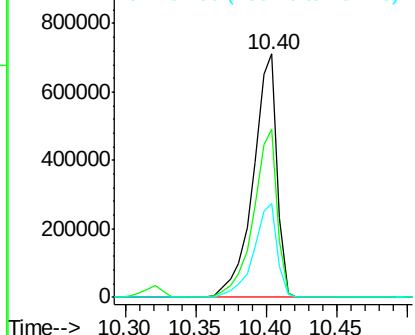
#65
n-Nitrosodiphenylamine
Concen: 44.95 ng
RT: 10.40 min Scan# 1448
Delta R.T. -0.02 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Instrument :
BNA_F
ClientSampleId :
PB97899BS

Tot Ion:169 Resp: 845476
Ion Ratio Lower Upper
169 100
168 68.9 53.2 79.8
167 38.5 29.5 44.3

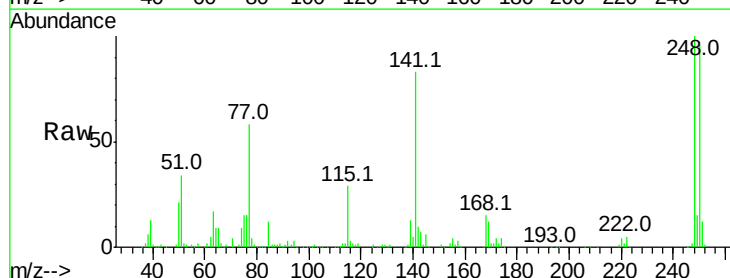


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

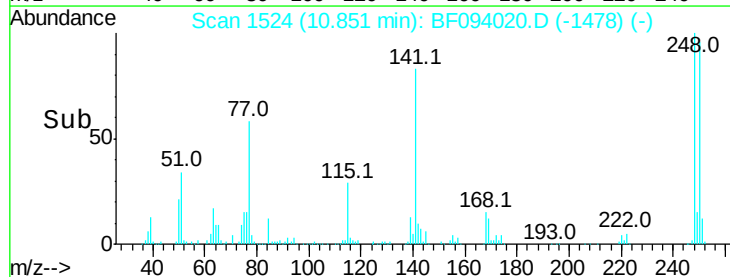
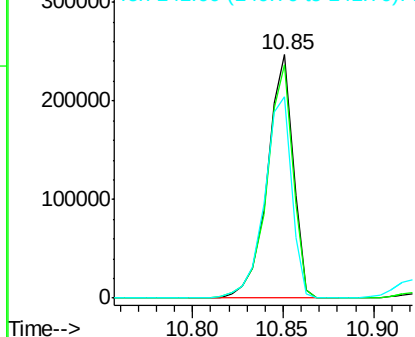


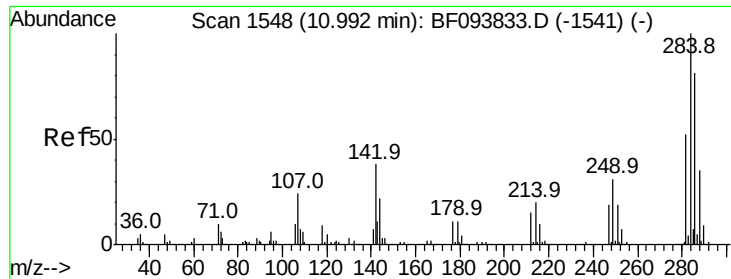
#66
4-Bromophenyl-phenylether
Concen: 45.85 ng
RT: 10.85 min Scan# 1524
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:248 Resp: 245284
Ion Ratio Lower Upper
248 100
250 96.0 76.8 115.2
141 82.7 68.6 103.0



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

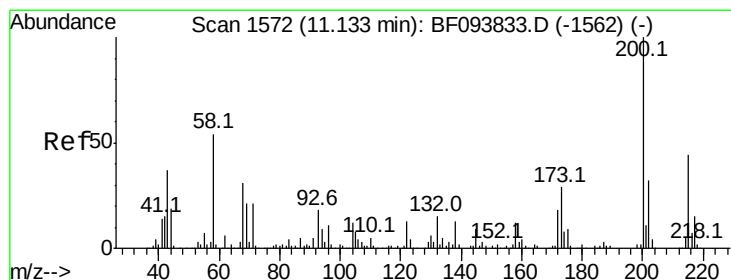
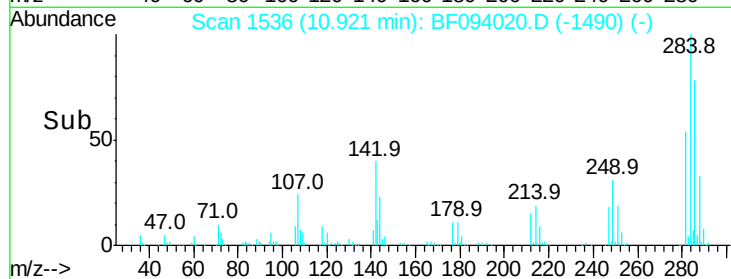
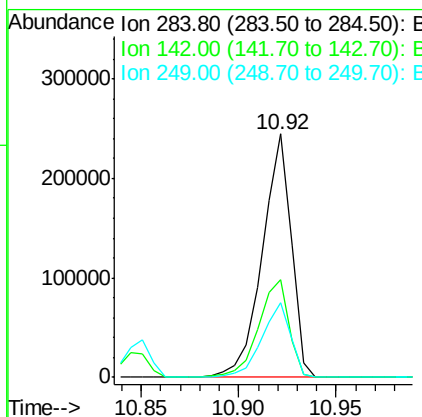
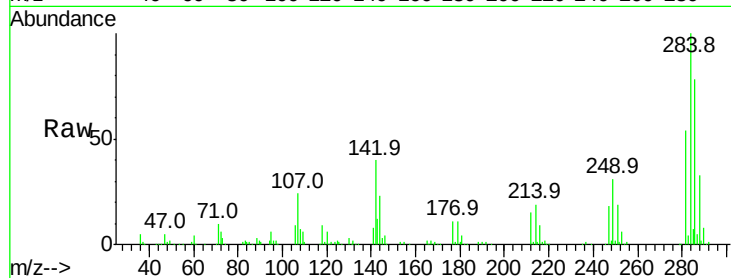




#67
Hexachlorobenzene
Concen: 46.46 ng
RT: 10.92 min Scan# 1536
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

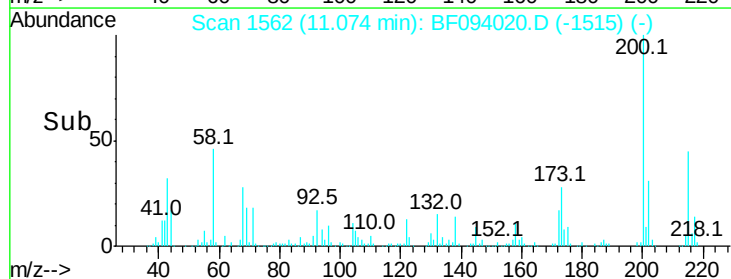
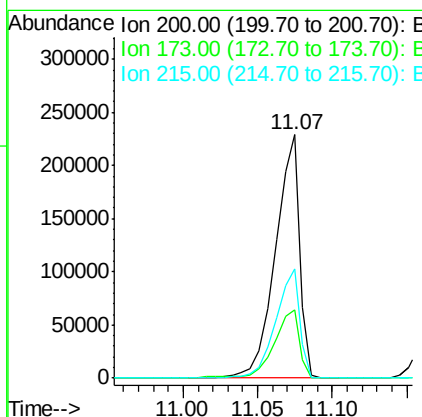
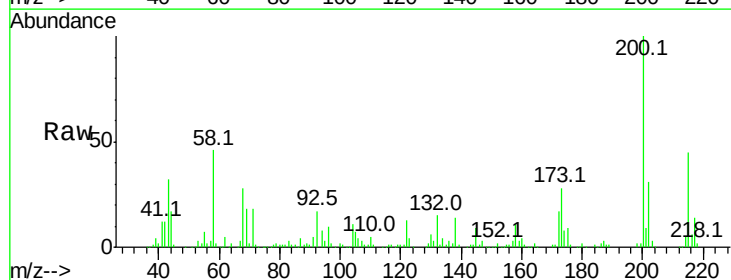
Instrument :
BNA_F
ClientSampleId :
PB97899BS

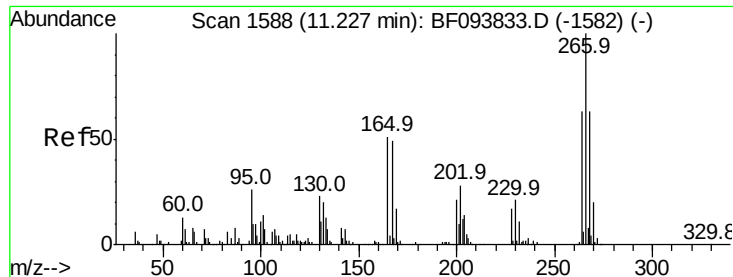
Tot Ion	Ratio	Lower	Upper
284	100		
142	40.0	22.8	34.2#
249	30.8	24.0	36.0



#68
Atrazine
Concen: 46.05 ng
RT: 11.07 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.8	6.3	46.3
215	45.1	27.2	67.2





#69

Pentachlorophenol

Concen: 80.20 ng

RT: 11.17 min Scan# 1578

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

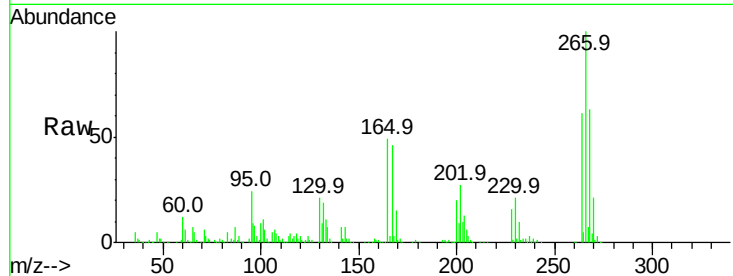
Tot Ion:266 Resp: 270328

Ion Ratio Lower Upper

266 100

268 62.8 51.1 76.7

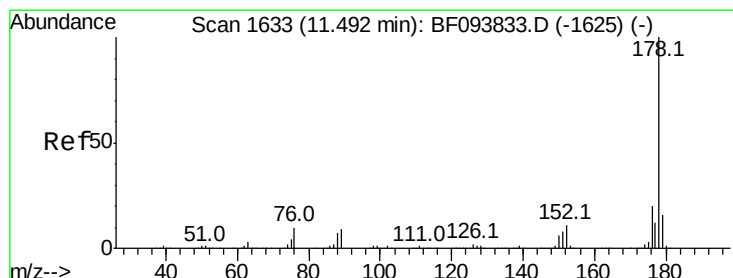
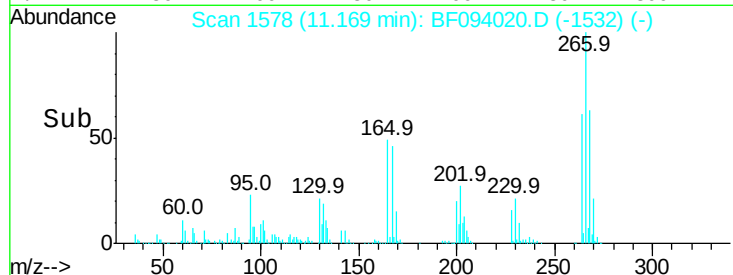
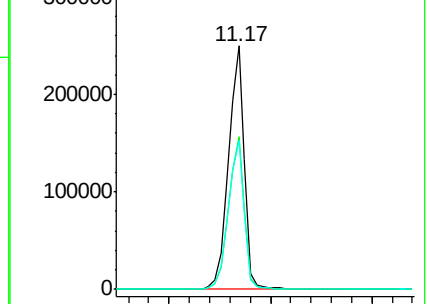
264 60.9 51.7 77.5



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 43.96 ng

RT: 11.42 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

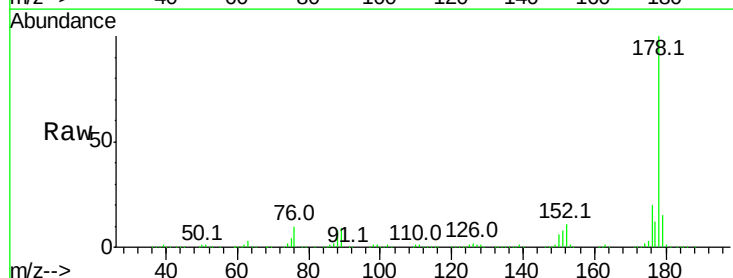
Tgt Ion:178 Resp: 1330062

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

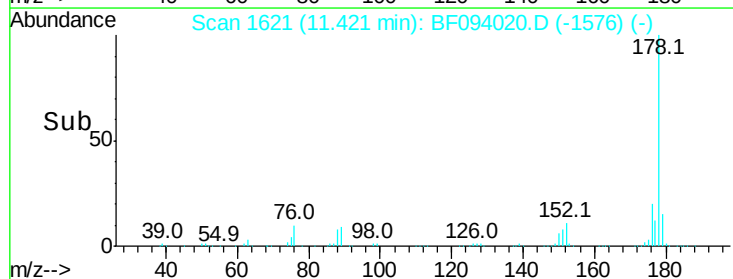
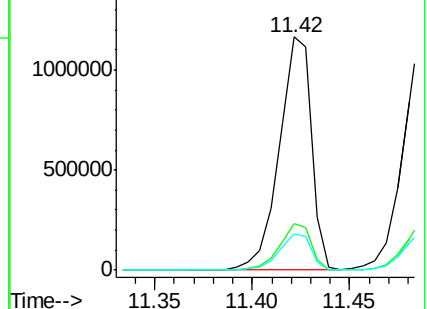
179 15.4 12.6 19.0

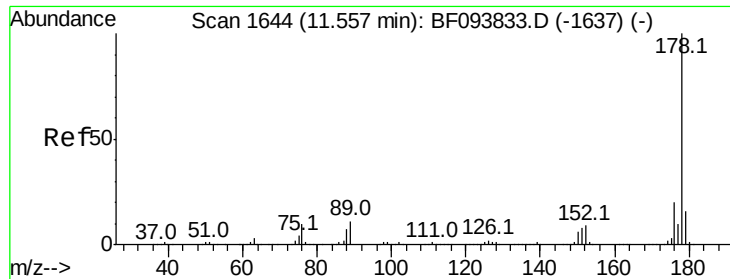


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

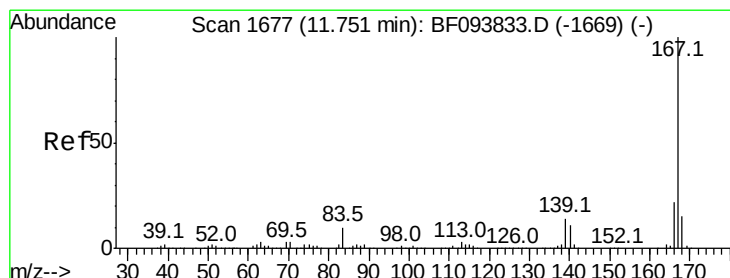
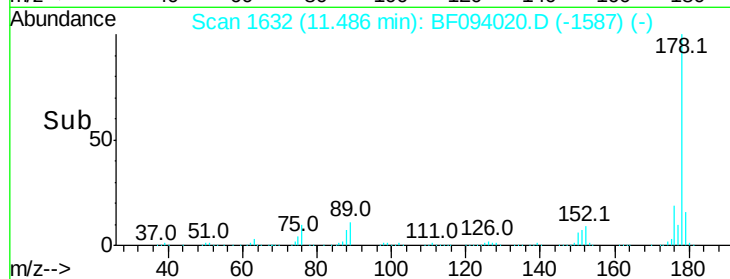
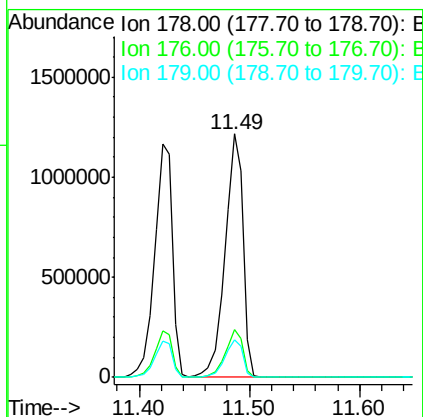
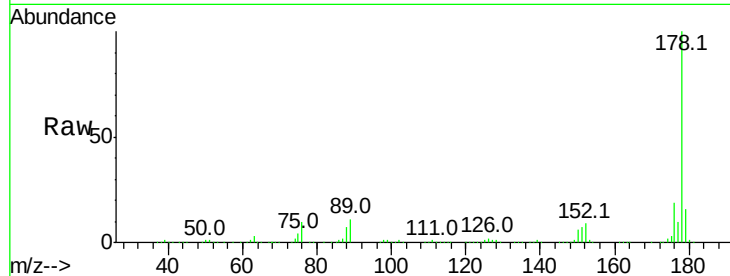




#71
 Anthracene
 Concen: 44.36 ng
 RT: 11.49 min Scan# 1632
 Delta R.T. -0.04 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

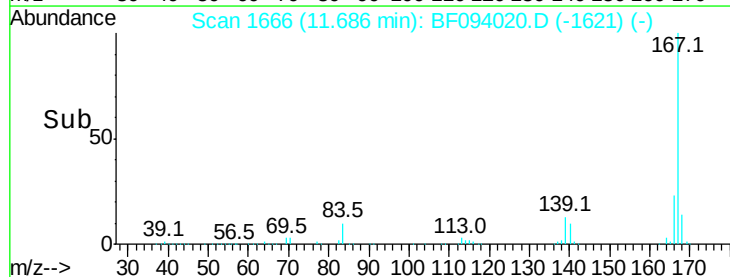
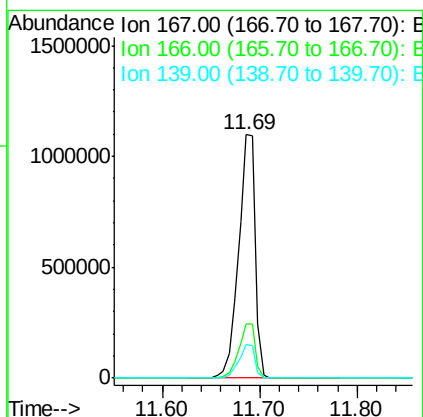
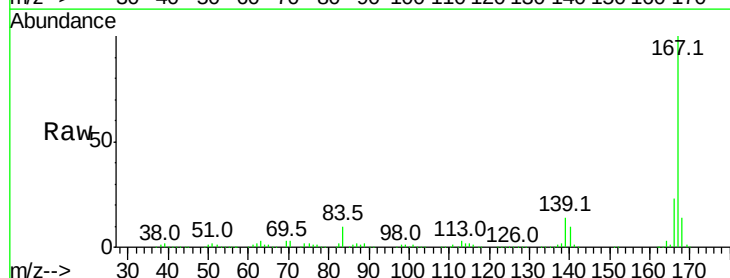
Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

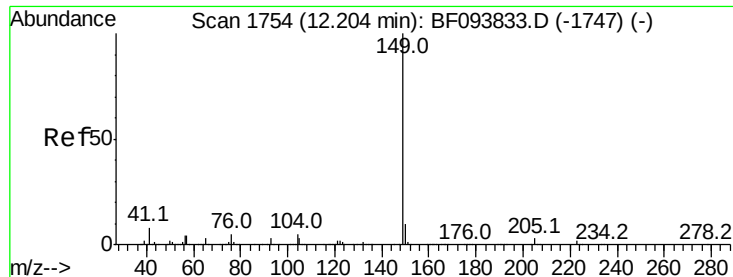
Tot Ion:178 Resp: 1382046
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.6 12.7 19.1



#72
 Carbazole
 Concen: 40.63 ng
 RT: 11.69 min Scan# 1666
 Delta R.T. -0.04 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion:167 Resp: 1298033
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.1 27.1
 139 13.9 11.7 17.5





#73

Di-n-butylphthalate

Concen: 46.92 ng

RT: 12.14 min Scan# 1743

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

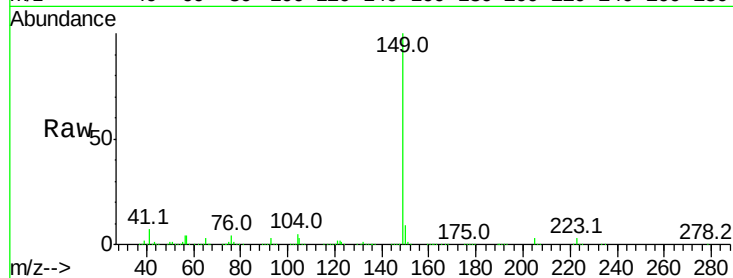
Tot Ion:149 Resp: 1558690

Ion Ratio Lower Upper

149 100

150 9.4 7.7 11.5

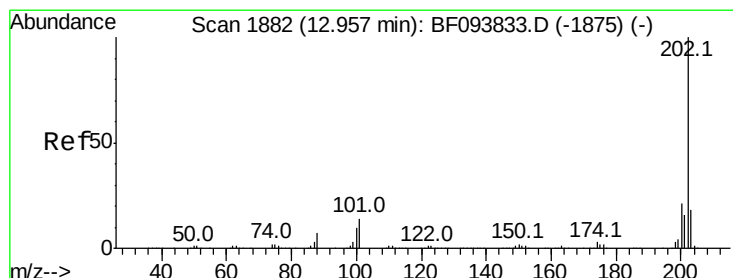
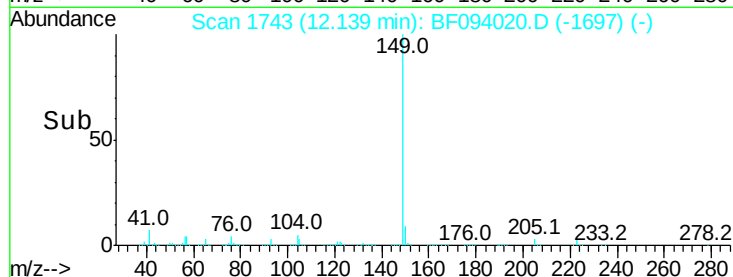
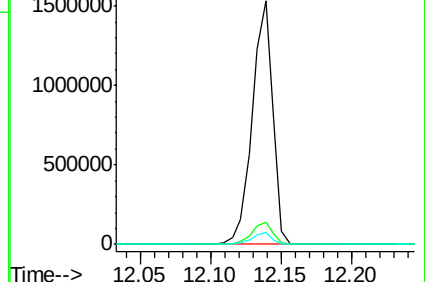
104 4.7 4.0 6.0



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: 44.60 ng

RT: 12.89 min Scan# 1870

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

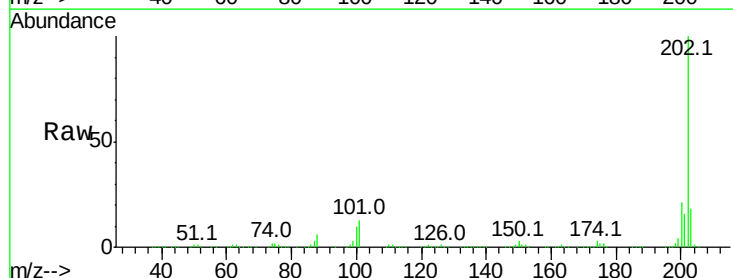
Tgt Ion:202 Resp: 1381664

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

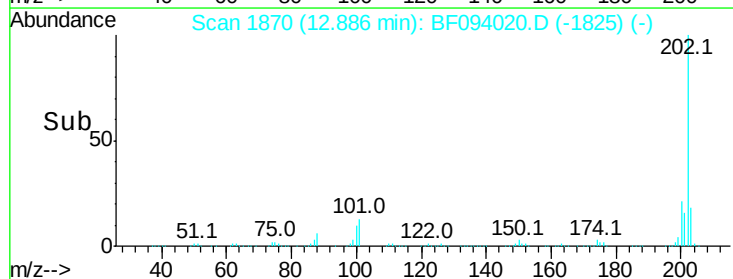
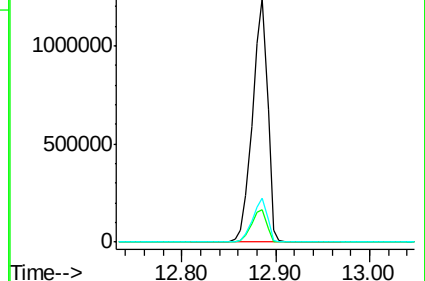
203 17.8 0.0 38.1

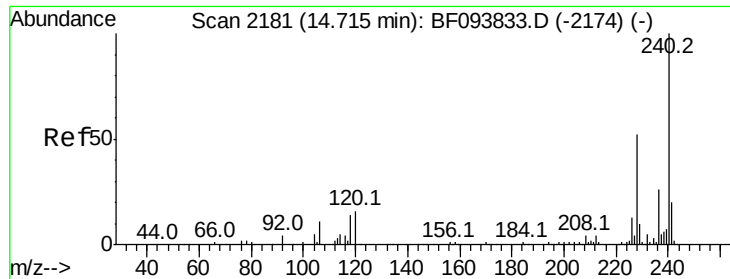


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

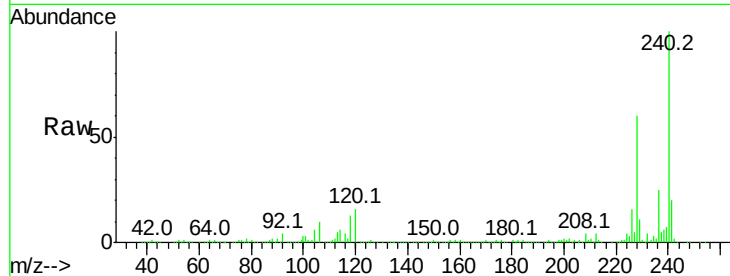
Tot Ion:240 Resp: 439196

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

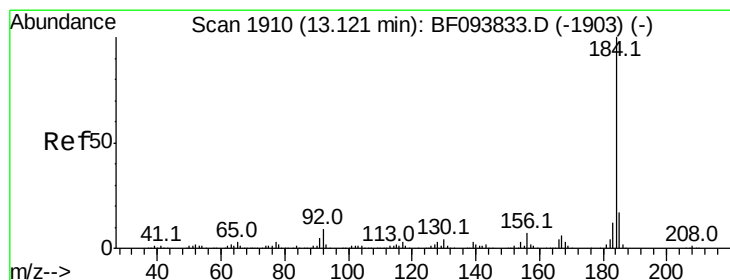
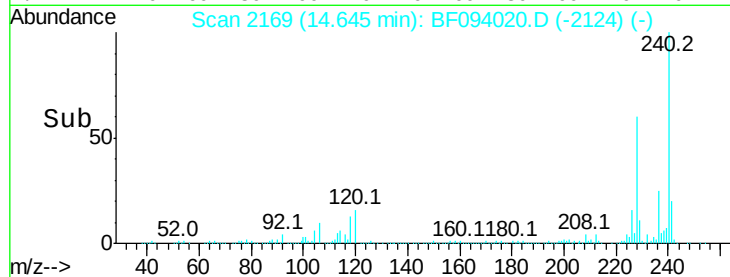
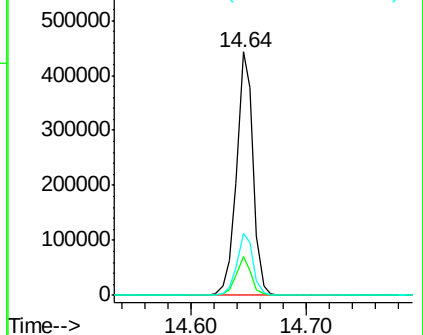
236 25.5 20.5 30.7



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



#76

Benzidine

Concen: 23.53 ng

RT: 13.05 min Scan# 1898

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

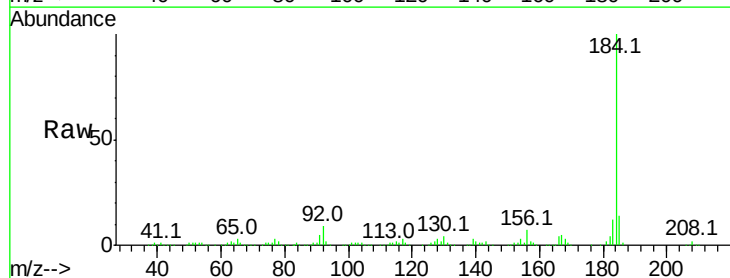
Tgt Ion:184 Resp: 409052

Ion Ratio Lower Upper

184 100

185 14.1 15.5 23.3#

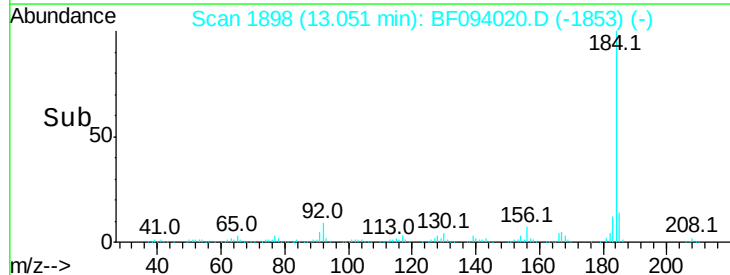
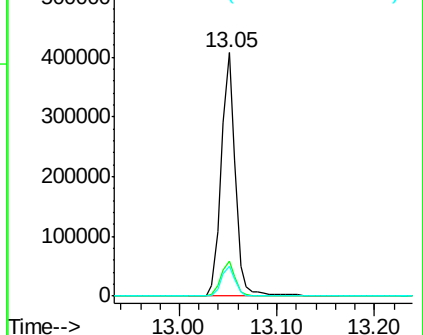
183 12.0 9.8 14.6

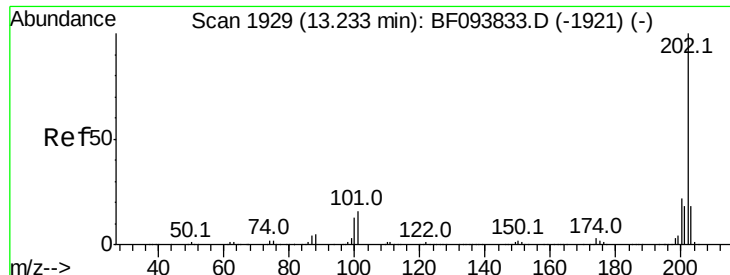


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

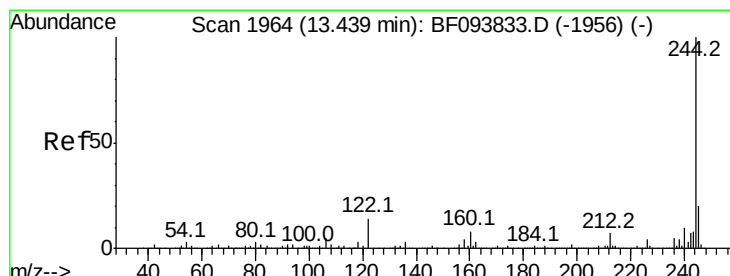
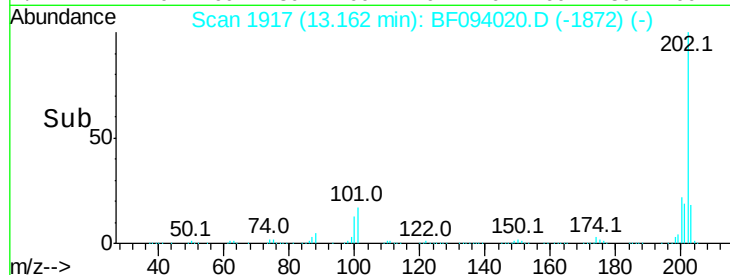
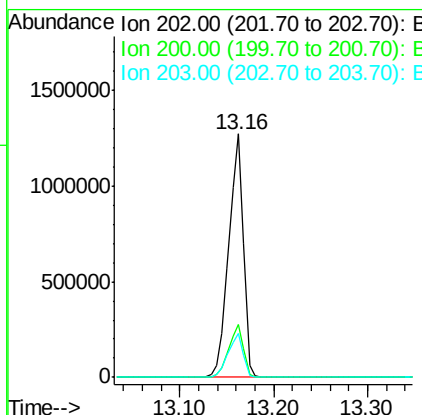
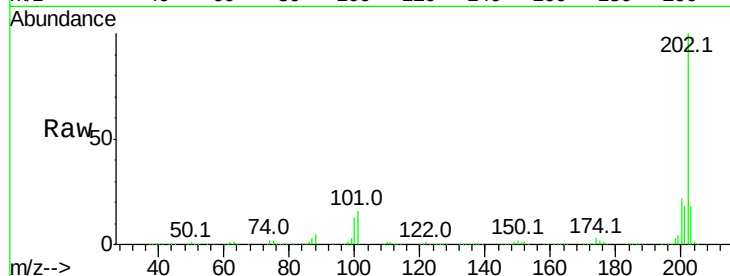




#77
Pvrene
Concen: 43.52 ng
RT: 13.16 min Scan# 1917
Delta R.T. -0.04 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

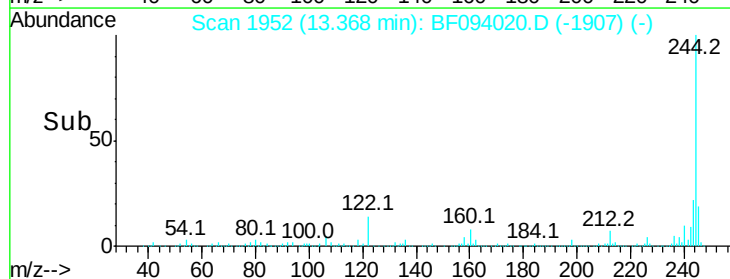
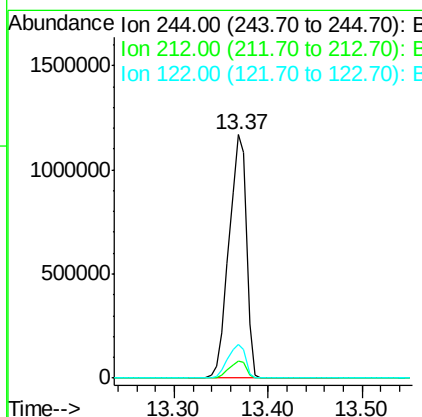
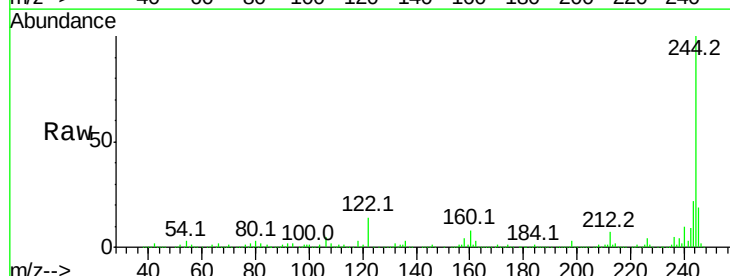
Instrument :
BNA_F
ClientSampleId :
PB97899BS

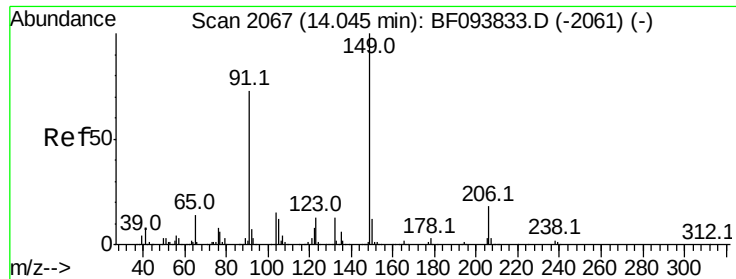
Tot Ion:202 Resp: 1387033
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 18.1 14.4 21.6



#78
Terphenyl-d14
Concen: 76.92 ng
RT: 13.37 min Scan# 1952
Delta R.T. -0.04 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:244 Resp: 1507203
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 13.7 10.3 15.5

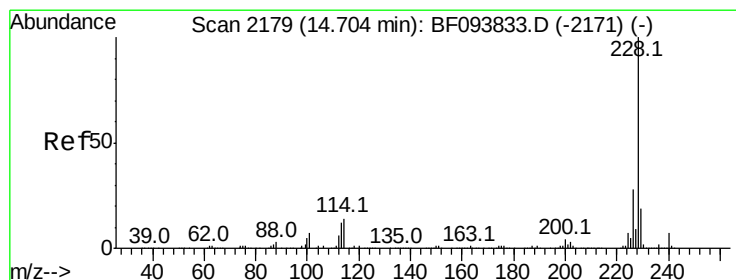
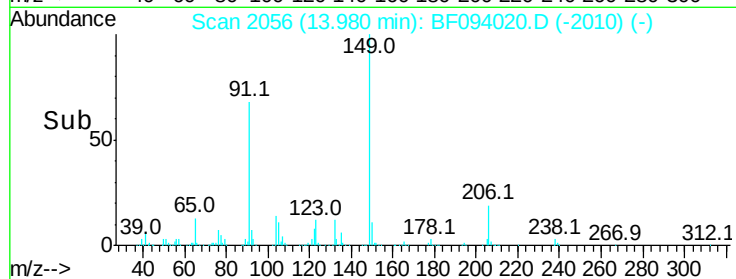
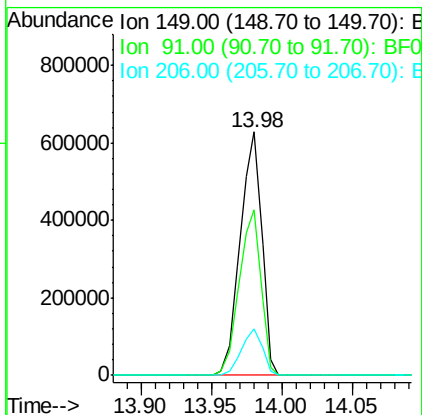
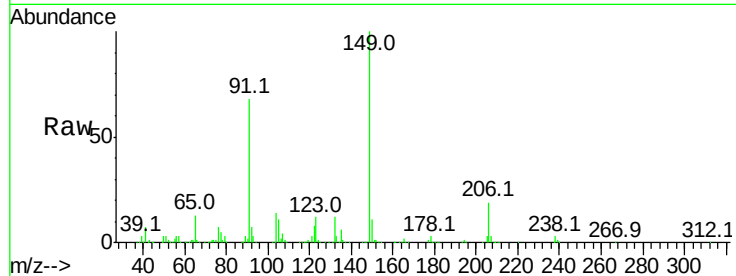




#79
Butylbenzylphthalate
Concen: 49.38 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.03 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

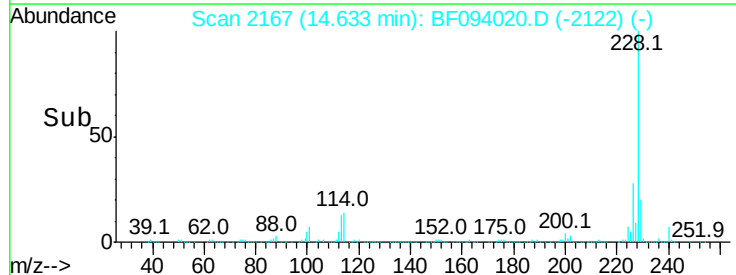
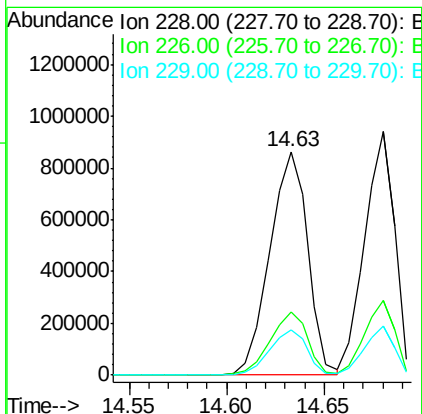
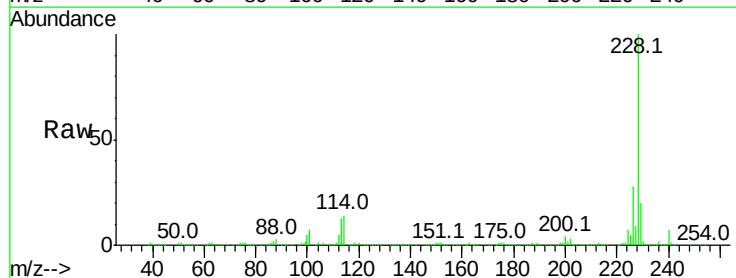
Instrument :
BNA_F
ClientSampleId :
PB97899BS

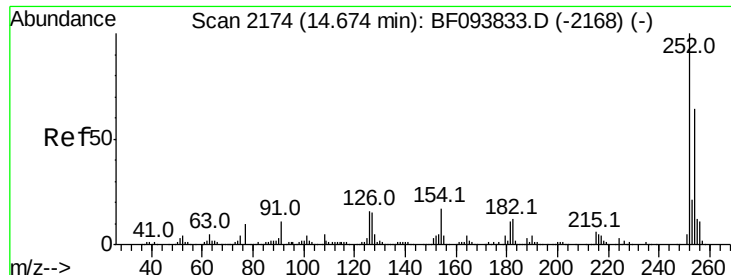
Tot Ion:149 Resp: 670646
Ion Ratio Lower Upper
149 100
91 67.9 45.0 67.4#
206 19.0 17.0 25.6



#80
Benzo(a)anthracene
Concen: 45.26 ng
RT: 14.63 min Scan# 2167
Delta R.T. -0.04 min
Lab File: BF094020.D
Acq: 29 Mar 2017 16:04

Tgt Ion:228 Resp: 1159210
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 20.3 16.3 24.5





#81

3,3'-Dichlorobenzidine

Concen: 23.97 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

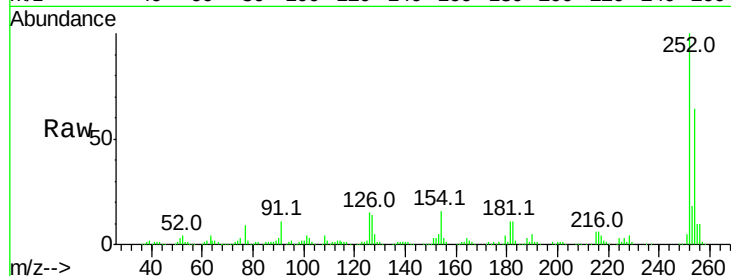
Tot Ion:252 Resp: 219417

Ion Ratio Lower Upper

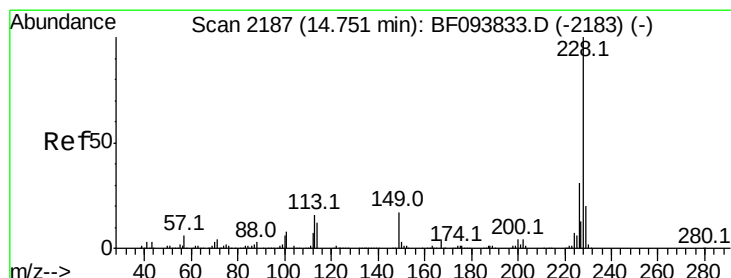
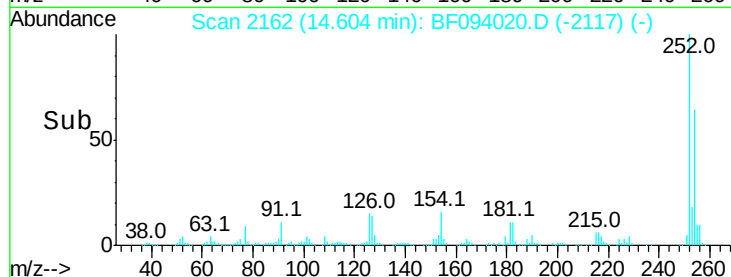
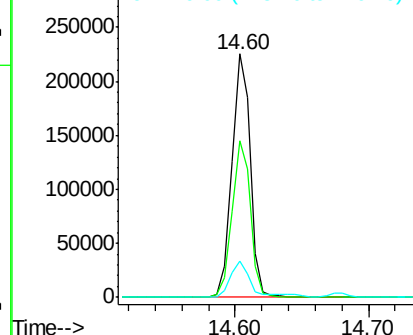
252 100

254 64.2 51.5 77.3

126 15.0 15.8 23.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 42.50 ng

RT: 14.68 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

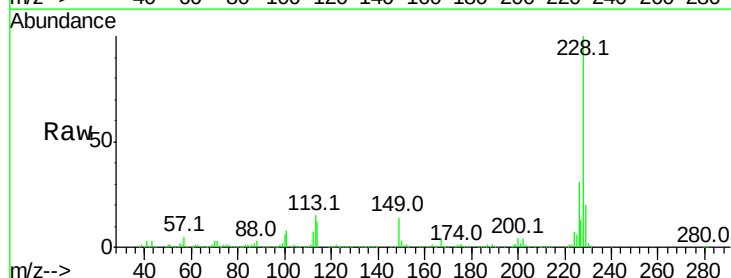
Tgt Ion:228 Resp: 1010094

Ion Ratio Lower Upper

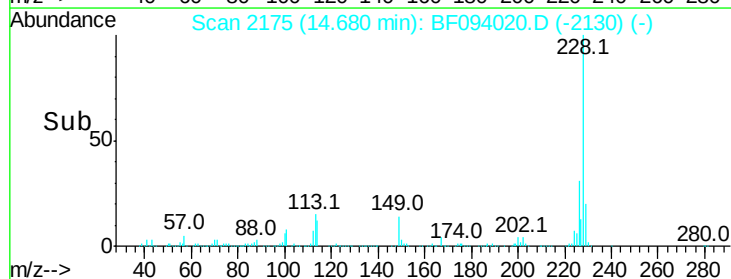
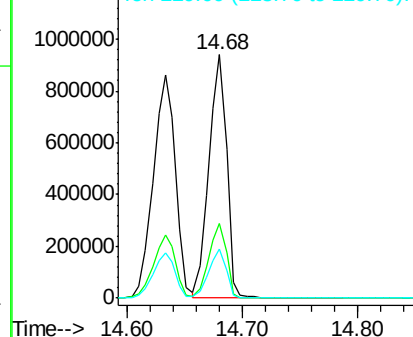
228 100

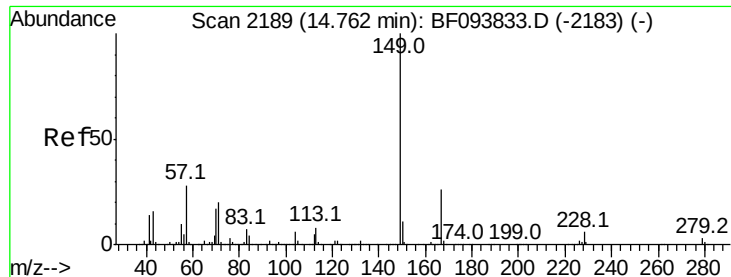
226 30.6 24.9 37.3

229 20.0 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: 48.55 ng

RT: 14.69 min Scan# 2177

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

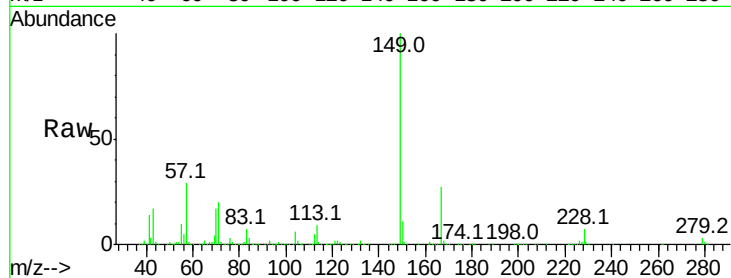
Tot Ion:149 Resp: 899485

Ion Ratio Lower Upper

149 100

167 26.7 21.0 31.4

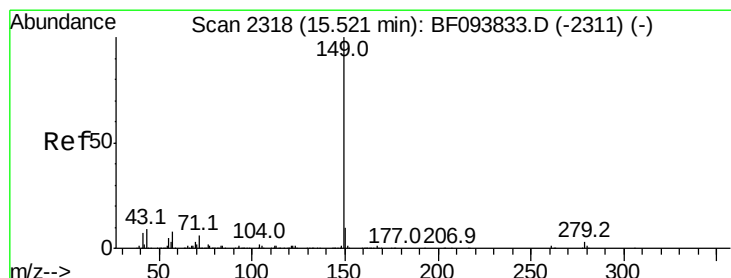
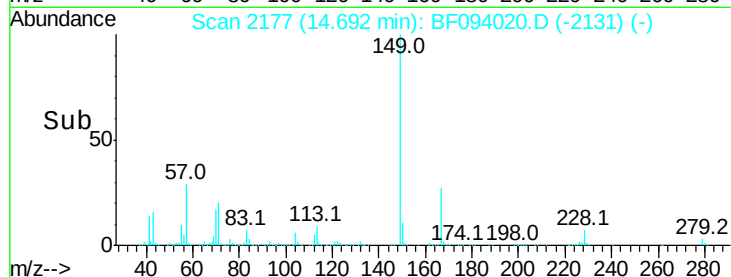
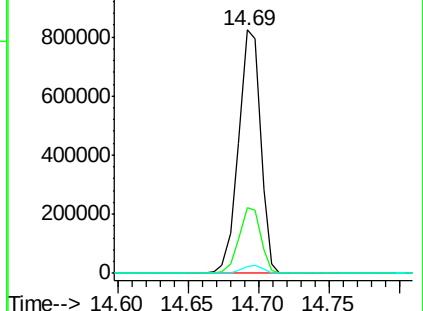
279 2.9 1.9 2.9#



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: 49.08 ng

RT: 15.45 min Scan# 2306

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

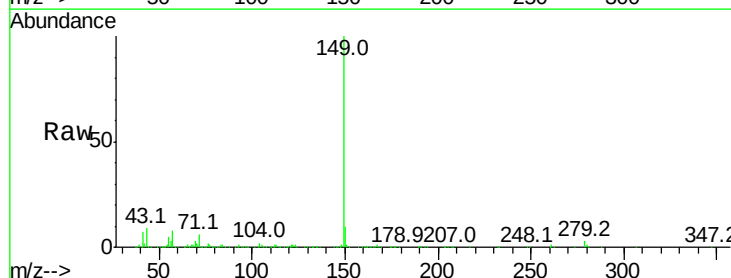
Tgt Ion:149 Resp: 1519333

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

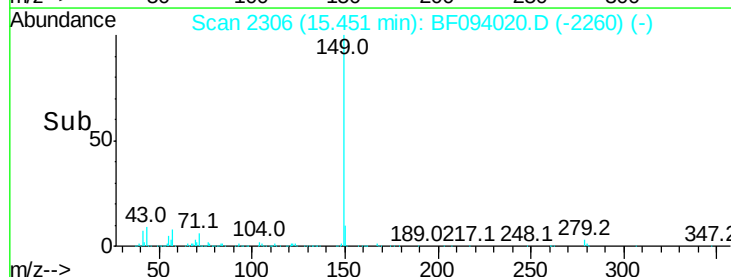
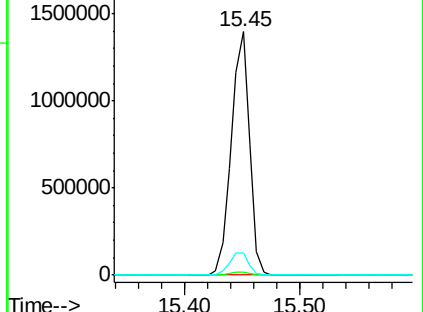
43 9.6 8.5 12.7

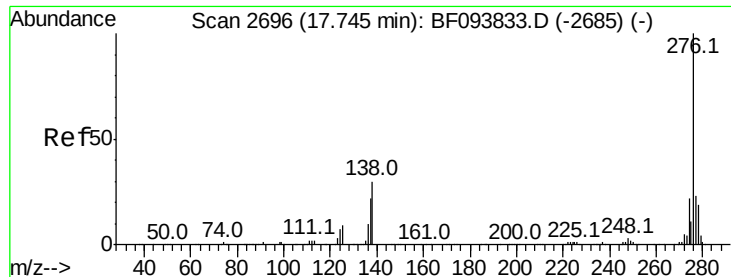


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

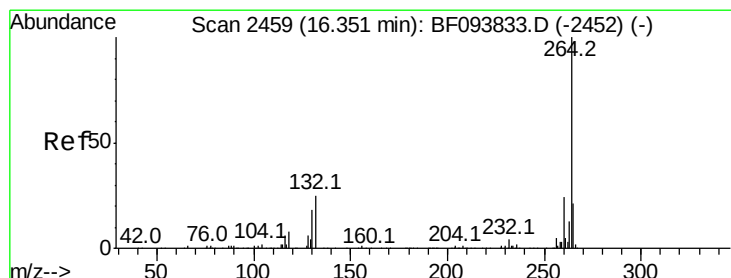
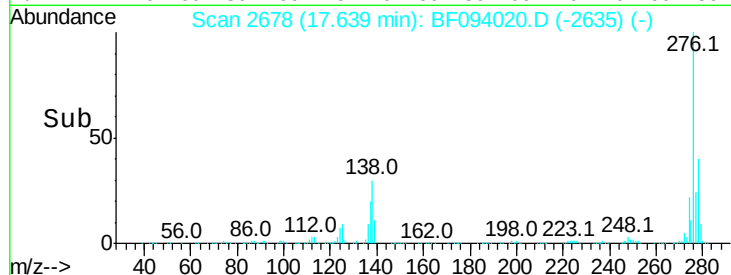
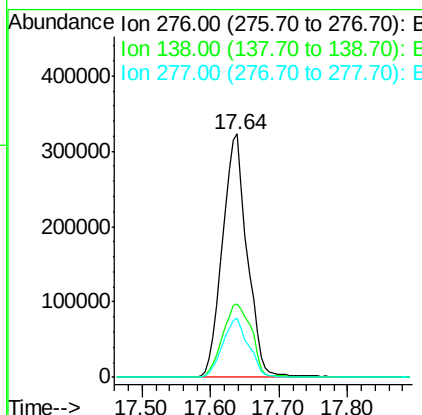
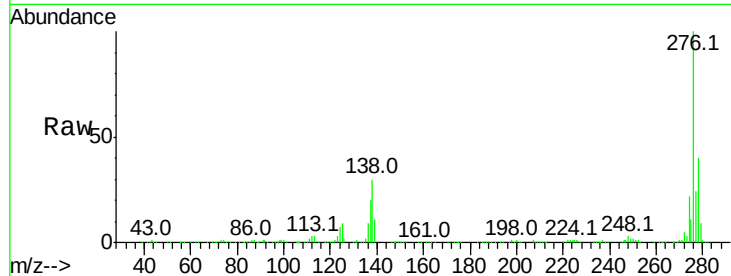




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 39.44 ng
 RT: 17.64 min Scan# 2678
 Delta R.T. -0.05 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

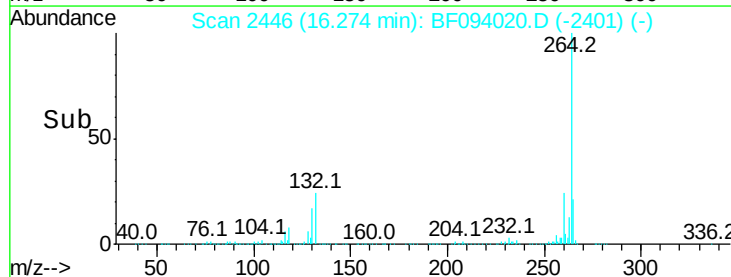
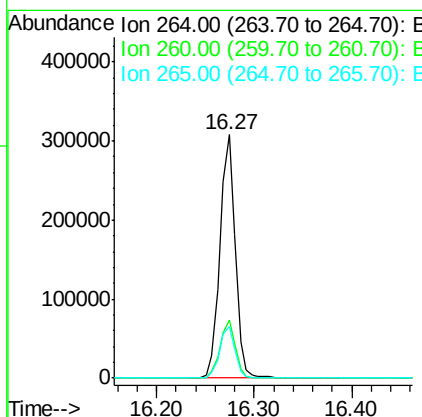
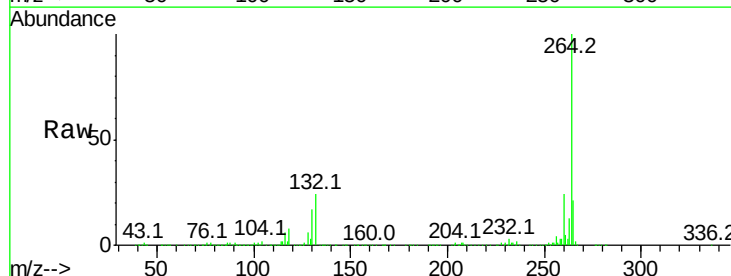
Instrument :
 BNA_F
 ClientSampleId :
 PB97899BS

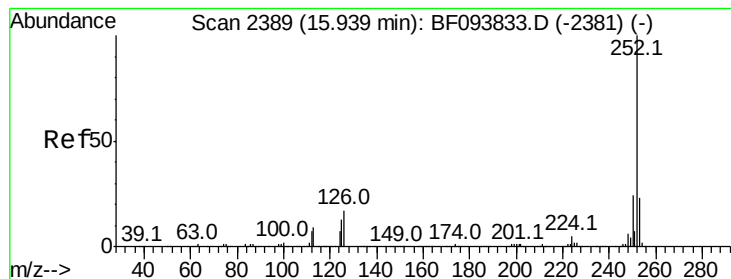
Tot Ion:276 Resp: 811832
 Ion Ratio Lower Upper
 276 100
 138 35.3 27.8 41.6
 277 25.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.27 min Scan# 2446
 Delta R.T. -0.04 min
 Lab File: BF094020.D
 Acq: 29 Mar 2017 16:04

Tgt Ion:264 Resp: 337914
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 21.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 46.05 ng

RT: 15.87 min Scan# 2377

Delta R.T. -0.03 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

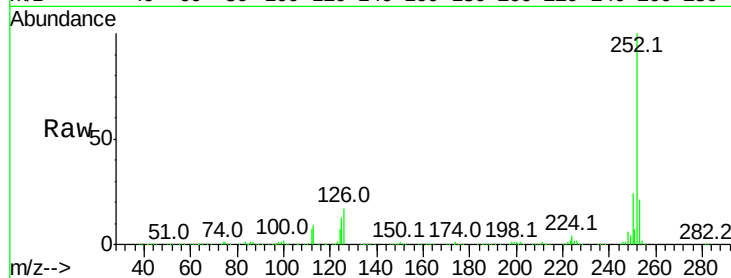
Tot Ion:252 Resp: 953817

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

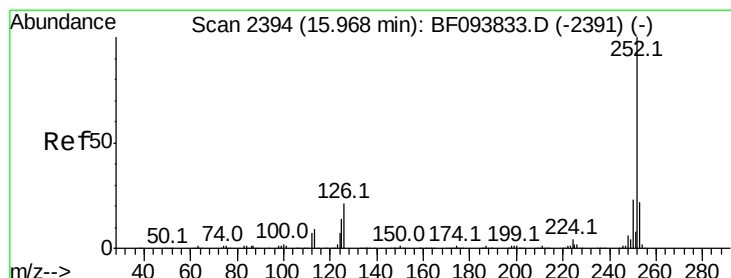
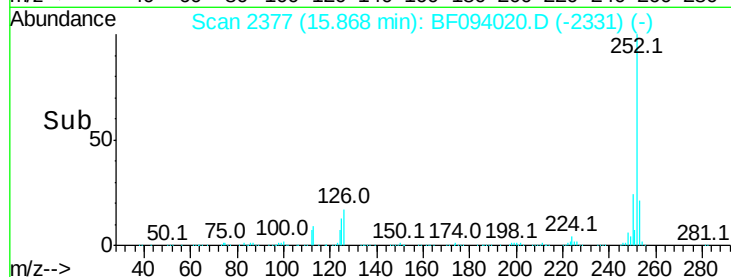
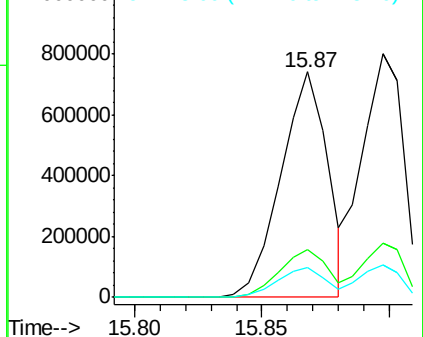
125 13.2 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 45.89 ng

RT: 15.90 min Scan# 2382

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

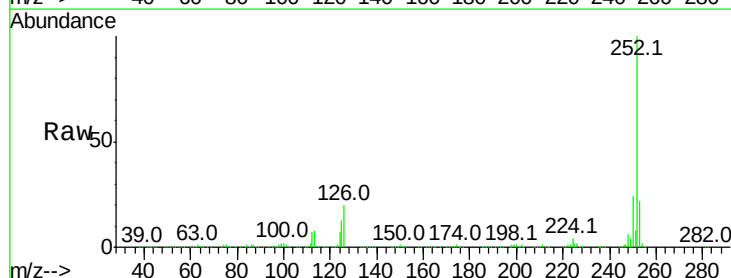
Tgt Ion:252 Resp: 930041

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

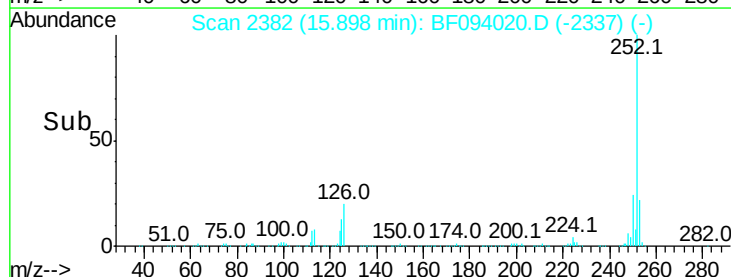
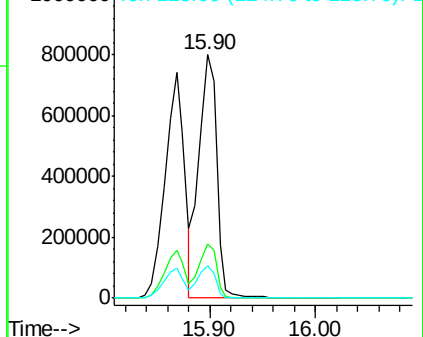
125 13.3 13.1 19.7

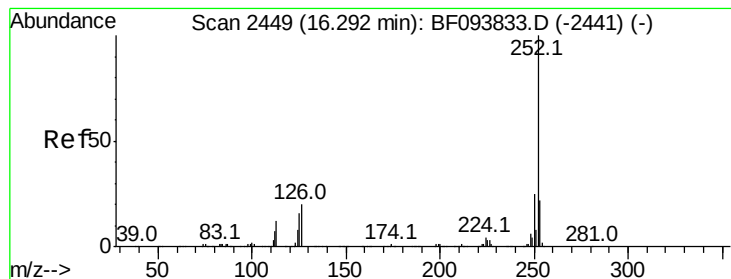


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 46.00 ng

RT: 16.22 min Scan# 2436

Delta R.T. -0.04 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

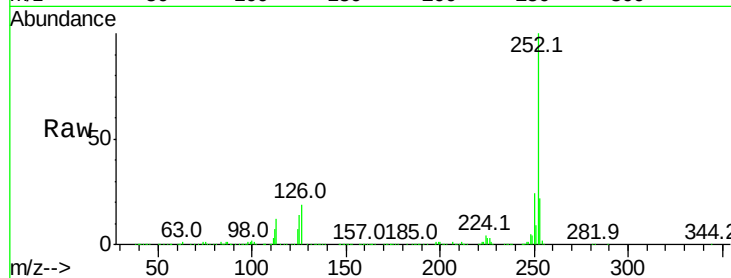
Tot Ion:252 Resp: 877492

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

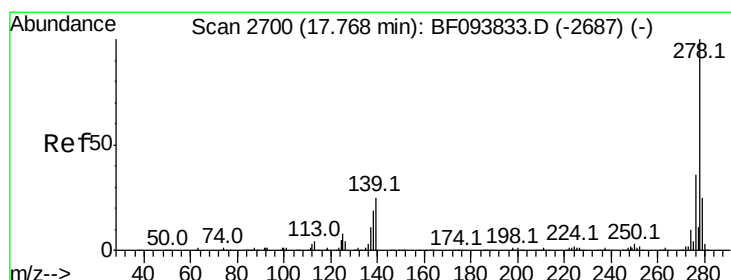
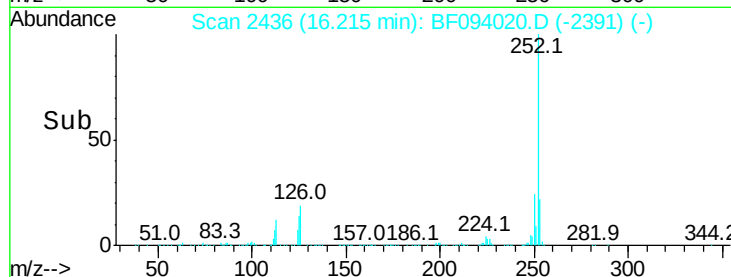
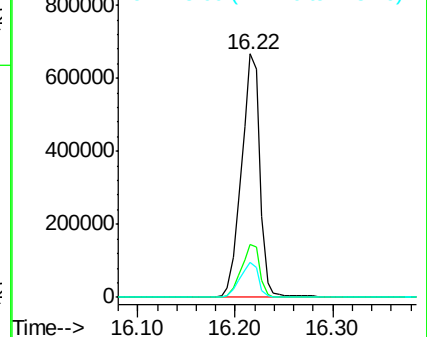
125 14.2 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 41.29 ng

RT: 17.66 min Scan# 2681

Delta R.T. -0.05 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

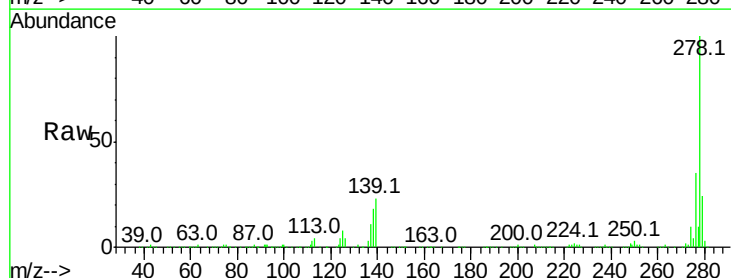
Tgt Ion:278 Resp: 666954

Ion Ratio Lower Upper

278 100

139 22.6 16.6 24.8

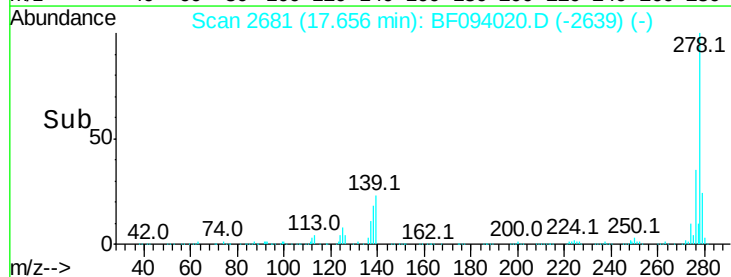
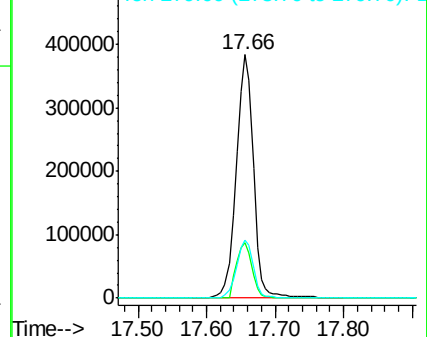
279 23.7 19.3 28.9

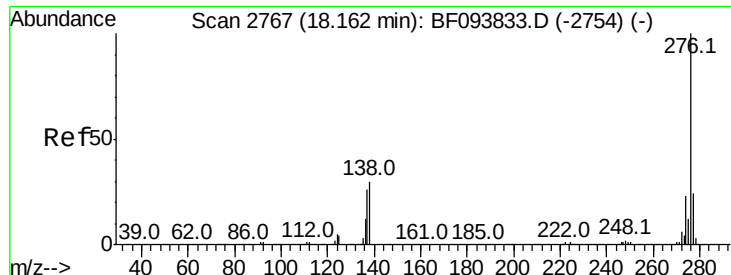


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 40.97 ng

RT: 18.04 min Scan# 2746

Delta R.T. -0.06 min

Lab File: BF094020.D

Acq: 29 Mar 2017 16:04

Instrument :

BNA_F

ClientSampleId :

PB97899BS

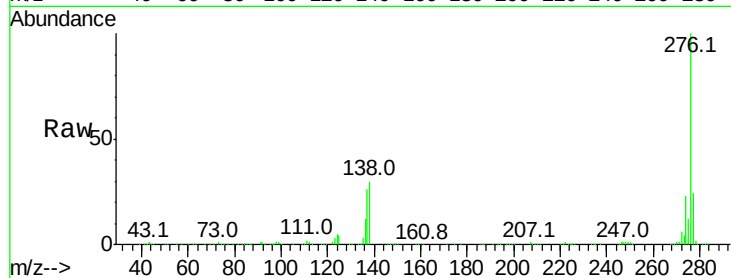
Tot Ion:276 Resp: 666906

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 30.4 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

