

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031317\
 Data File : BF093641.D
 Acq On : 14 Mar 2017 7:06
 Operator : SJ/MA
 Sample : I2201-17MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Quant Time: Mar 14 08:15:44 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	169192	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	737526	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	346268	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	628613	20.00	ng	0.00
75) Chrysene-d12	13.90	240	481675	20.00	ng	0.01
86) Perylene-d12	15.31	264	313087	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1631816	160.52	ng	0.00
7) Phenol-d6	6.38	99	1936232	151.04	ng	0.00
23) Nitrobenzene-d5	7.29	82	1402325	105.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	353951	156.89	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	2043025	109.74	ng	0.00
78) Terphenyl-d14	12.84	244	1612005	87.01	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	244487	43.66	ng	# 83
3) Pyridine	3.06	79	136886	9.59	ng	# 85
4) n-Nitrosodimethylamine	2.96	42	372421	54.62	ng	# 77
6) Aniline	6.46	93	726498	41.29	ng	# 25
8) 2-Chlorophenol	6.50	128	579547	50.88	ng	96
9) Benzaldehyde	6.29	77	89608	8.35	ng	90
10) Phenol	6.39	94	826728	52.63	ng	# 76
11) bis(2-Chloroethyl)ether	6.46	93	726498	57.22	ng	98
12) 1,3-Dichlorobenzene	6.88	146	543197	41.67	ng	96
13) 1,4-Dichlorobenzene	6.72	146	645710	48.37	ng	99
14) 1,2-Dichlorobenzene	6.88	146	560790	47.44	ng	96
15) Benzyl Alcohol	6.88	79	503488	55.10	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	1084894	51.44	ng	79
17) 2-Methylphenol	7.01	107	524242	54.42	ng	97
18) Hexachloroethane	7.21	117	226156	50.24	ng	98
19) n-Nitroso-di-n-propylamine	7.14	70	532317	60.40	ng	99
20) 3+4-Methylphenols	7.17	107	713609	57.12	ng	# 74
22) Acetophenone	7.13	105	880243	49.60	ng	99
24) Nitrobenzene	7.30	77	717565	48.03	ng	98
25) Isophorone	7.54	82	1304696	48.67	ng	# 93
26) 2-Nitrophenol	7.62	139	342964	50.32	ng	93
27) 2,4-Dimethylphenol	7.68	122	550435	49.64	ng	98
28) bis(2-Chloroethoxy)methane	7.76	93	874693	51.69	ng	100
29) 2,4-Dichlorophenol	7.89	162	577906	55.40	ng	87
30) 1,2,4-Trichlorobenzene	7.94	180	528285	47.62	ng	96
31) Naphthalene	8.02	128	1721019	46.56	ng	99
32) Benzoic acid	7.86	122	287977	49.98	ng	94
33) 4-Chloroaniline	8.18	127	94795	6.32	ng	95
34) Hexachlorobutadiene	8.13	225	270080	47.27	ng	99
35) Caprolactam	8.49	113	113091	31.74	ng	# 28
36) 4-Chloro-3-methylphenol	8.61	107	575803	51.72	ng	98
37) 2-Methylnaphthalene	8.72	142	1153281	49.04	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.88	216	502154	53.11	ng	98
40) Hexachlorocyclopentadiene	8.86	237	342932	134.11	ng	96

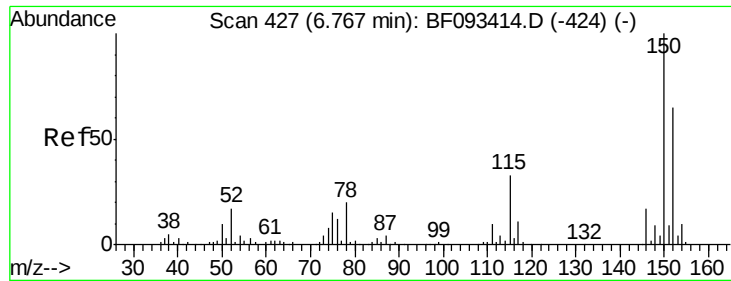
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	346045	58.58	ng	94
43) 2,4,5-Trichlorophenol	9.08	196	309476	48.82	ng	92
45) 1,1'-Biphenyl	9.18	154	1359860	53.91	ng	94
46) 2-Chloronaphthalene	9.21	162	1137902	58.93	ng	97
47) 2-Nitroaniline	9.33	65	422896	61.96	ng	92
48) Acenaphthylene	9.62	152	1710577	53.72	ng	99
49) Dimethylphthalate	9.50	163	1317440	57.39	ng	99
50) 2,6-Dinitrotoluene	9.57	165	239949	47.64	ng	# 43
51) Acenaphthene	9.80	154	1041612	55.31	ng	97
52) 3-Nitroaniline	9.75	138	140653	23.24	ng	# 95
53) 2,4-Dinitrophenol	9.88	184	320861	139.87	ng	# 74
54) Dibenzofuran	9.97	168	1348079	57.20	ng	96
55) 4-Nitrophenol	9.97	139	875168	297.74	ng	# 14
56) 2,4-Dinitrotoluene	9.99	165	394958	63.82	ng	# 73
57) Fluorene	10.31	166	1058398	52.99	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.10	232	299565	66.96	ng	98
59) Diethylphthalate	10.20	149	1242371	56.63	ng	99
60) 4-Chlorophenyl-phenylether	10.30	204	482769	53.93	ng	98
61) 4-Nitroaniline	10.37	138	224216	36.23	ng	97
62) Azobenzene	10.46	77	1594610	63.96	ng	91
64) 4,6-Dinitro-2-methylphenol	10.40	198	214762	52.73	ng	# 79
65) n-Nitrosodiphenylamine	10.44	169	937512	44.66	ng	100
66) 4-Bromophenyl-phenylether	10.79	248	300300	45.18	ng	97
67) Hexachlorobenzene	10.86	284	292805	46.13	ng	# 74
68) Atrazine	10.96	200	197464	32.14	ng	98
69) Pentachlorophenol	11.08	266	232957	106.30	ng	96
70) Phenanthrene	11.27	178	1697562	47.31	ng	99
71) Anthracene	11.33	178	1629205	44.89	ng	100
72) Carbazole	11.50	167	1498224	43.94	ng	98
73) Di-n-butylphthalate	11.82	149	2093717	53.07	ng	# 97
74) Fluoranthene	12.47	202	1731217	49.95	ng	94
77) Pyrene	12.70	202	1709121	48.79	ng	99
79) Butylbenzylphthalate	13.32	149	886561	60.12	ng	# 80
80) Benzo(a)anthracene	13.89	228	1363594	47.94	ng	99
81) 3,3'-Dichlorobenzidine	13.85	252	87636	8.80	ng	# 98
82) Chrysene	13.92	228	1114591	42.35	ng	99
83) Bis(2-ethylhexyl)phthalate	13.87	149	1123460	54.66	ng	100
84) Di-n-octyl phthalate	14.48	149	1928115	56.28	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	947023	42.99	ng	# 94
87) Benzo(b)fluoranthene	14.94	252	2105530	110.42	ng	97
88) Benzo(k)fluoranthene	14.94	252	2107195	114.59	ng	97
89) Benzo(a)pyrene	15.25	252	943865	54.16	ng	98
90) Dibenzo(a,h)anthracene	16.67	278	788872	54.72	ng	96
91) Benzo(g,h,i)perylene	17.07	276	831029	56.16	ng	# 88

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

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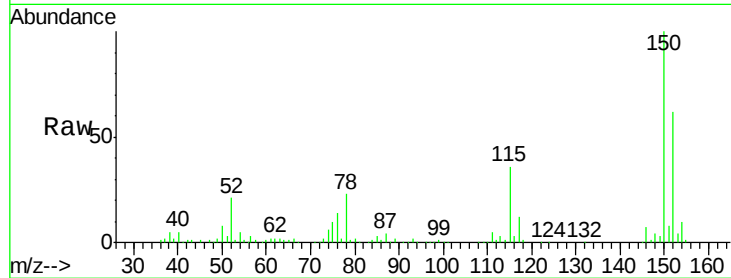
Tgt Ion:152 Resp: 169192

Ion Ratio Lower Upper

152 100

150 160.5 124.9 187.3

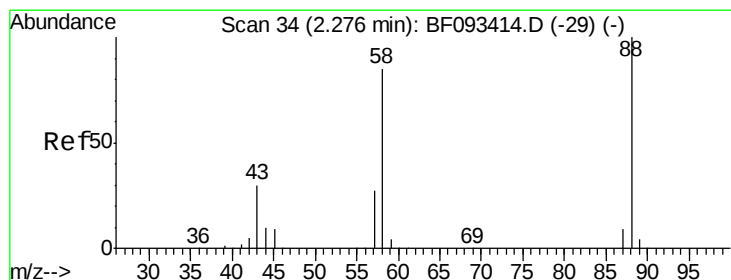
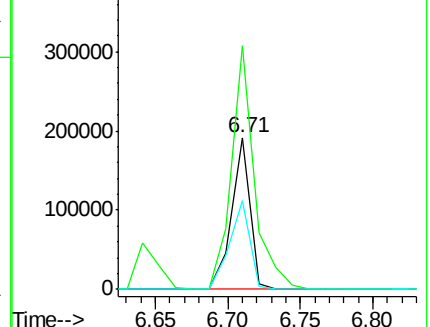
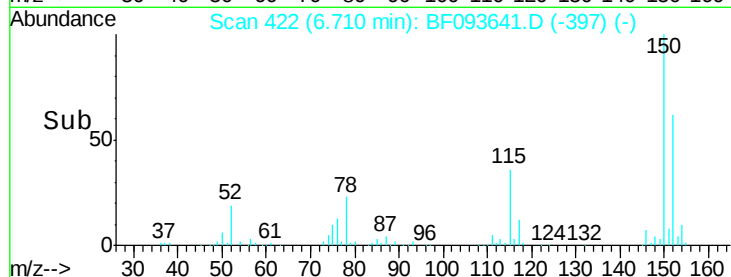
115 58.2 46.0 69.0



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: 43.66 ng

RT: 2.37 min Scan# 42

Delta R.T. 0.18 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

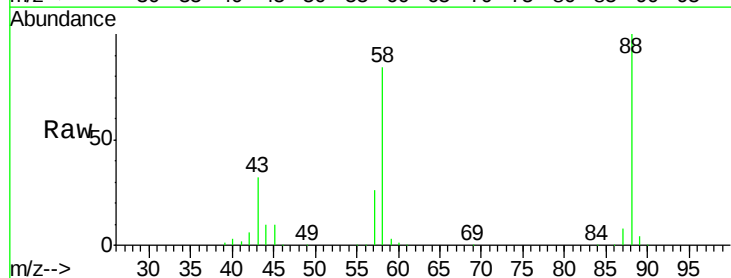
Tgt Ion: 88 Resp: 244487

Ion Ratio Lower Upper

88 100

58 89.3 57.8 86.8#

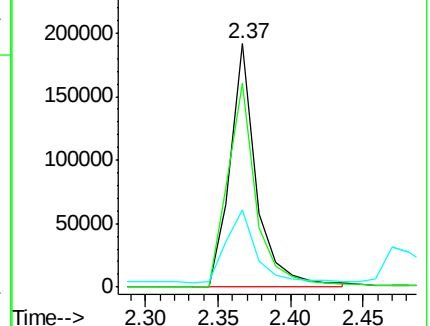
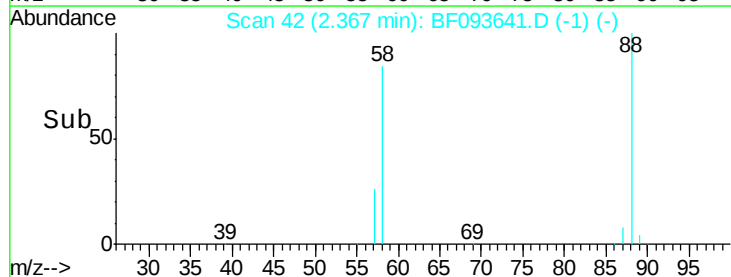
43 32.9 22.3 33.5

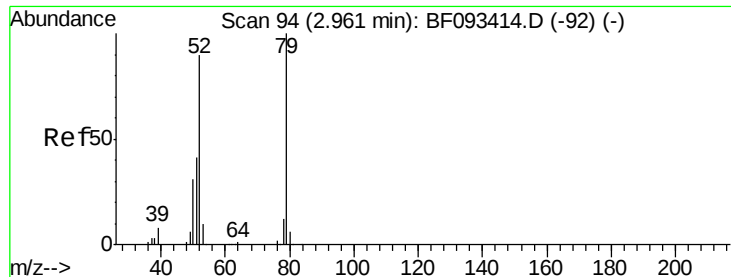


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 9.59 ng

RT: 3.06 min Scan# 103

Delta R.T. 0.21 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

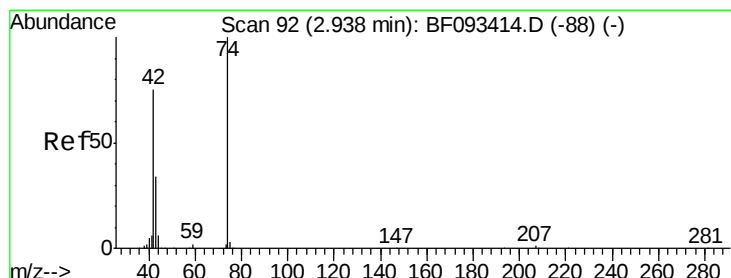
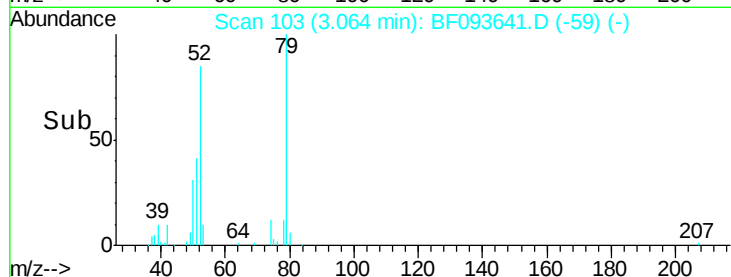
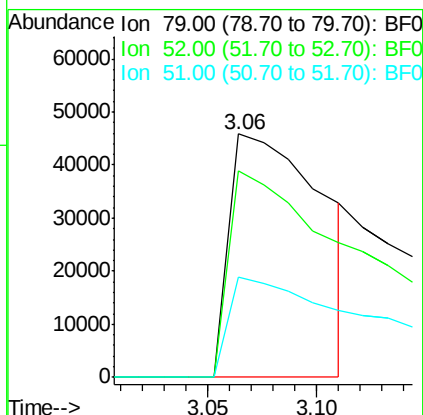
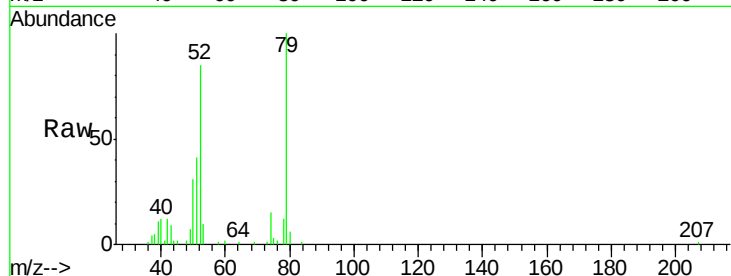
Tgt Ion: 79 Resp: 136886

Ion Ratio Lower Upper

79 100

52 84.8 57.1 85.7

51 41.4 27.3 40.9#



#4

n-Nitrosodimethylamine

Concen: 54.62 ng

RT: 2.96 min Scan# 94

Delta R.T. 0.13 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

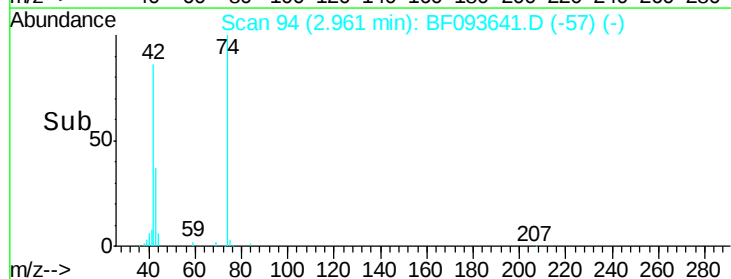
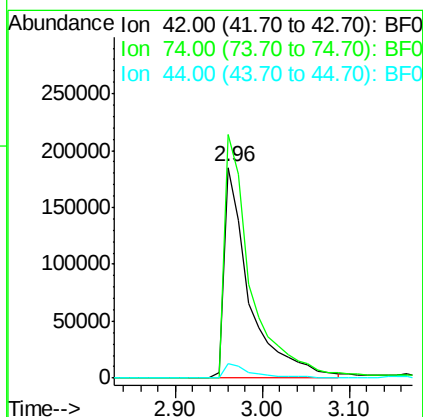
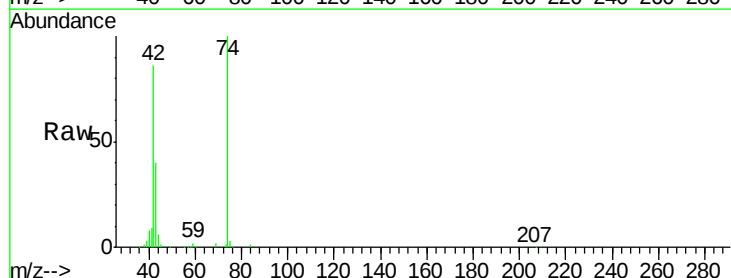
Tgt Ion: 42 Resp: 372421

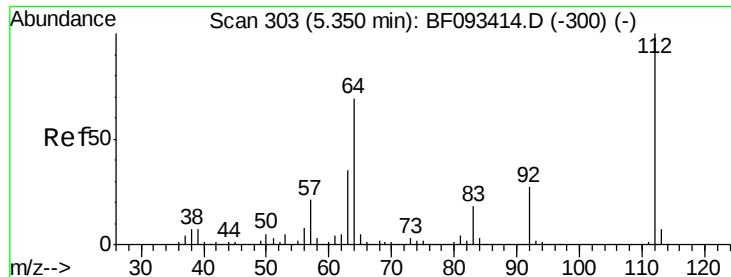
Ion Ratio Lower Upper

42 100

74 115.6 117.0 175.4#

44 6.9 5.5 8.3





#5

2-Fluorophenol

Concen: 160.52 ng

RT: 5.32 min Scan# 300

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

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D-112MSD

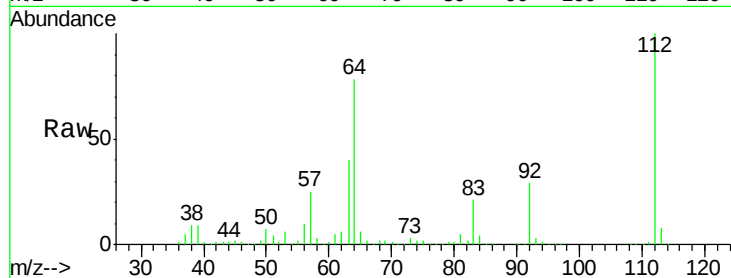
Tgt Ion: 112 Resp: 1631816

Ion Ratio Lower Upper

112 100

64 78.0 46.1 69.1#

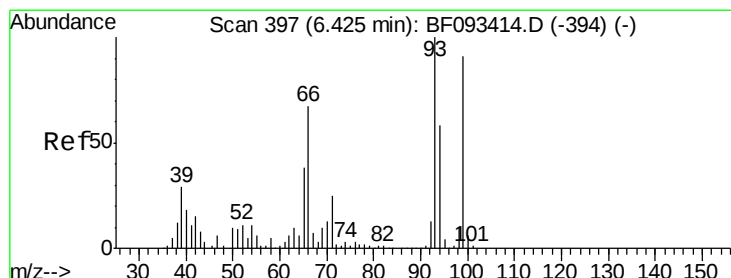
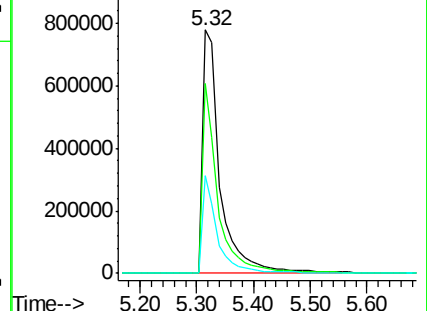
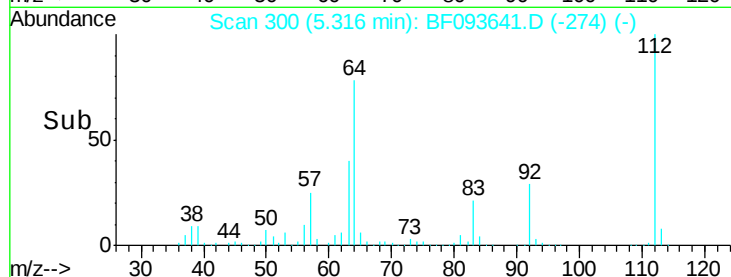
63 40.1 23.8 35.6#



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 41.29 ng

RT: 6.46 min Scan# 400

Delta R.T. 0.07 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

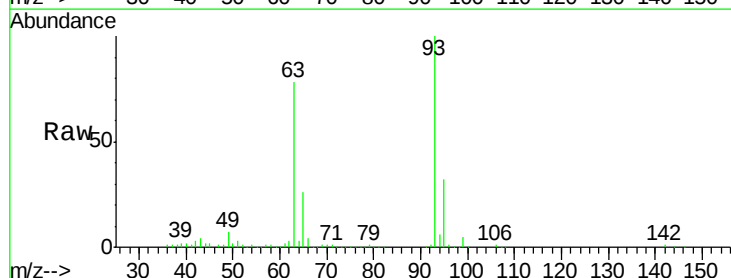
Tgt Ion: 93 Resp: 726498

Ion Ratio Lower Upper

93 100

66 4.3 76.2 114.2#

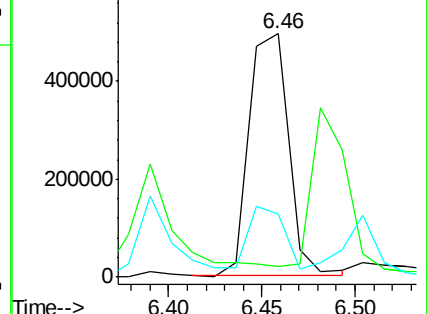
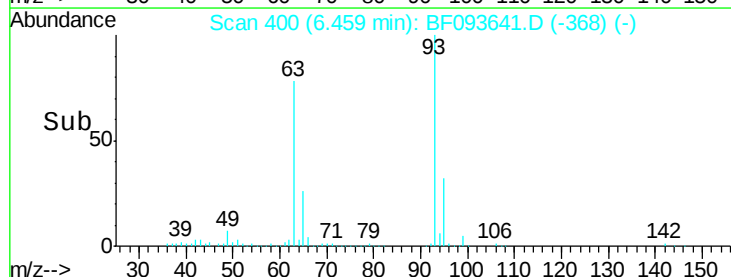
65 26.1 49.3 73.9#

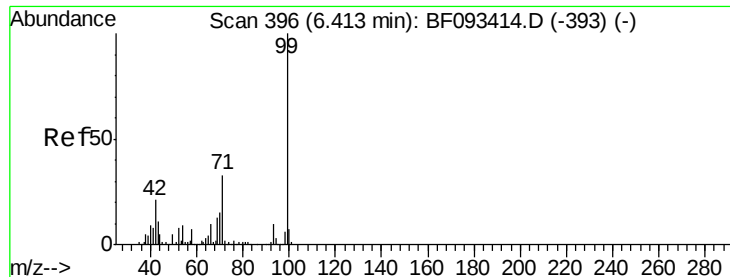


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 151.04 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093641.D

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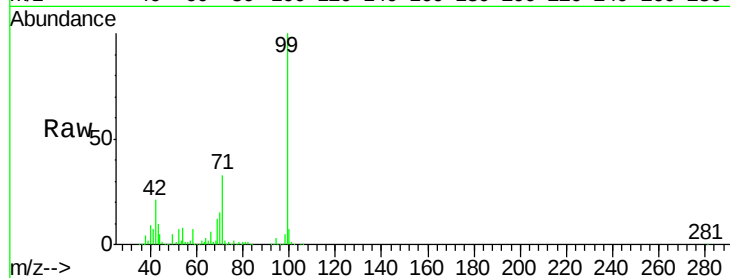
Tgt Ion: 99 Resp: 1936232

Ion Ratio Lower Upper

99 100

42 20.8 15.6 23.4

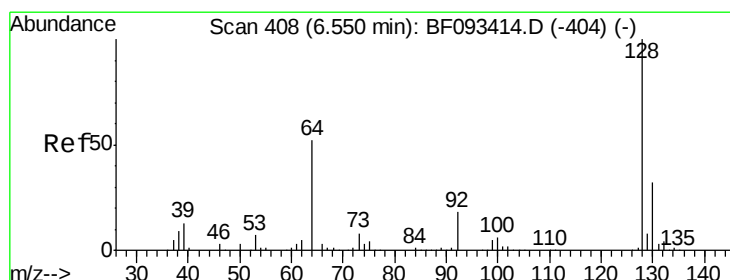
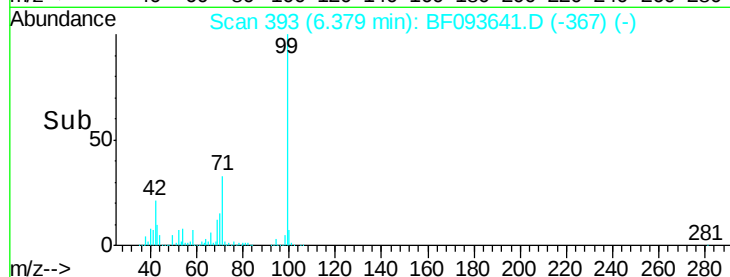
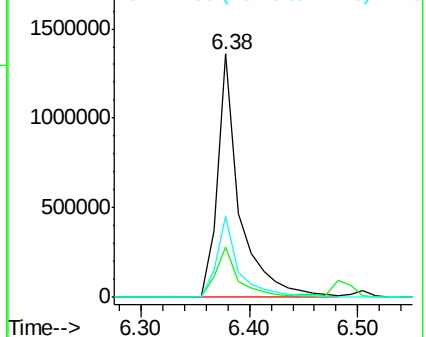
71 33.5 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 50.88 ng

RT: 6.50 min Scan# 404

Delta R.T. -0.00 min

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Acq: 14 Mar 2017 7:06

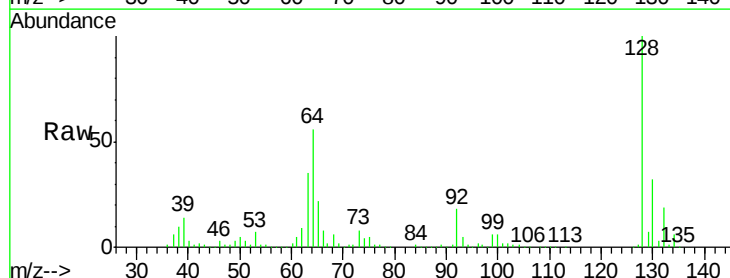
Tgt Ion: 128 Resp: 579547

Ion Ratio Lower Upper

128 100

130 32.2 12.3 52.3

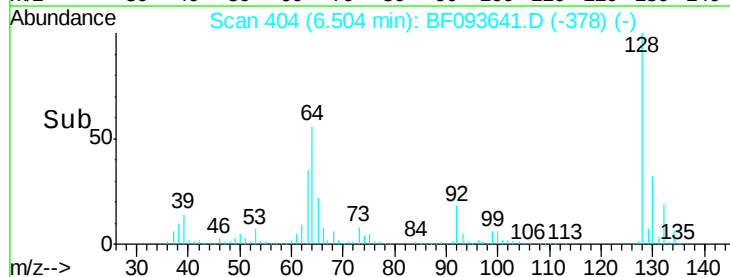
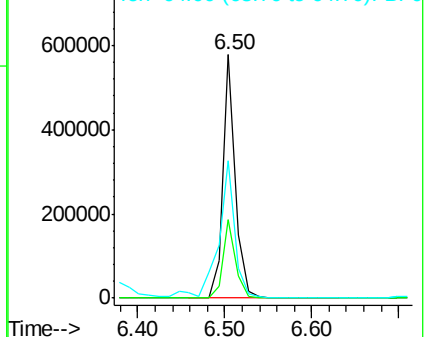
64 56.4 32.2 72.2

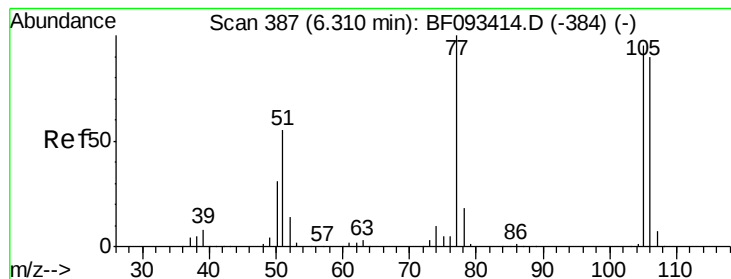


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 8.35 ng

RT: 6.29 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF093641.D

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D-112MSD

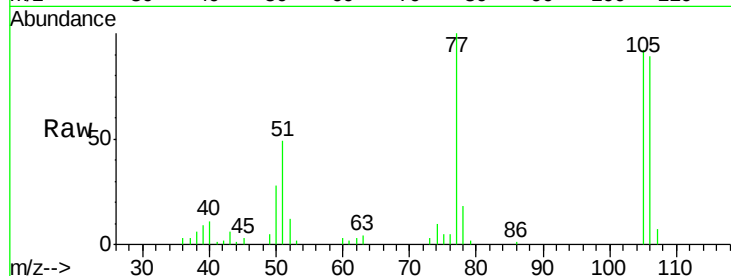
Tgt Ion: 77 Resp: 89608

Ion Ratio Lower Upper

77 100

105 91.9 83.9 123.9

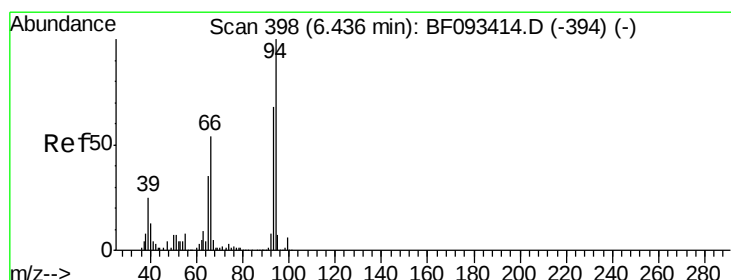
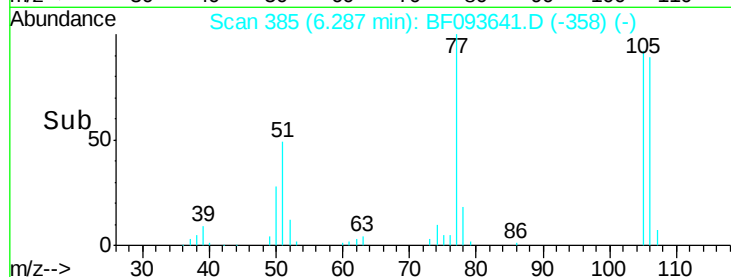
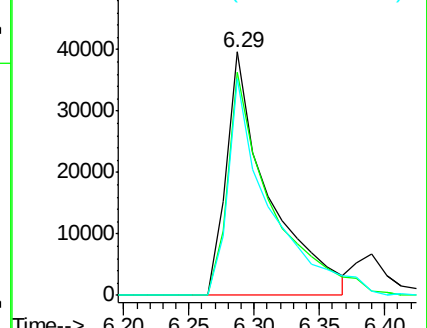
106 88.9 77.6 117.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 52.63 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

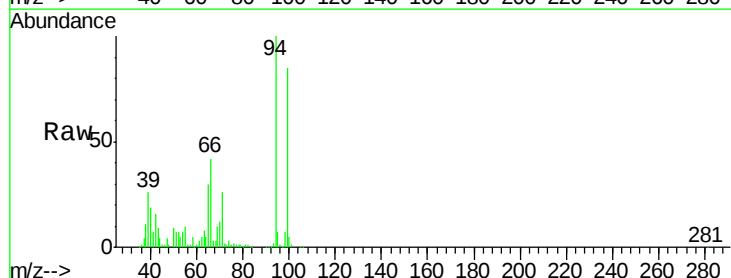
Tgt Ion: 94 Resp: 826728

Ion Ratio Lower Upper

94 100

65 30.0 21.4 61.4

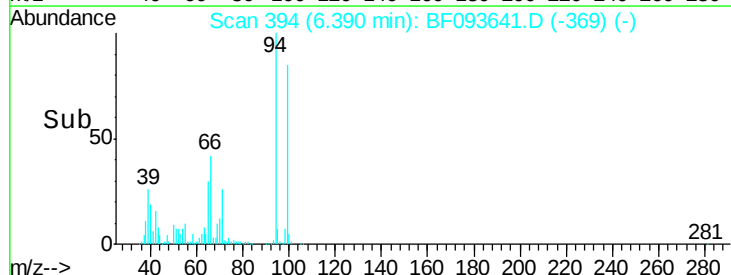
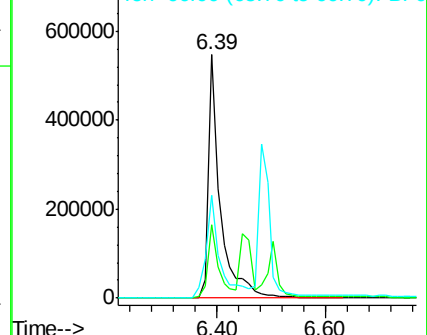
66 42.0 44.0 84.0#

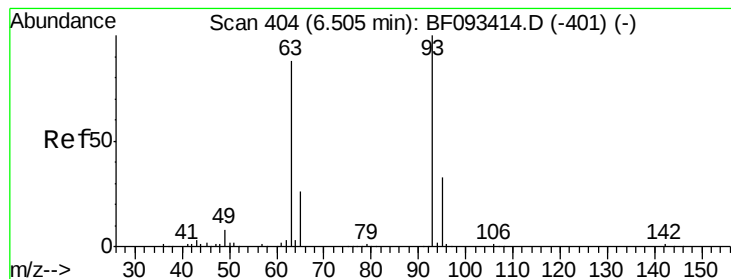


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 57.22 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

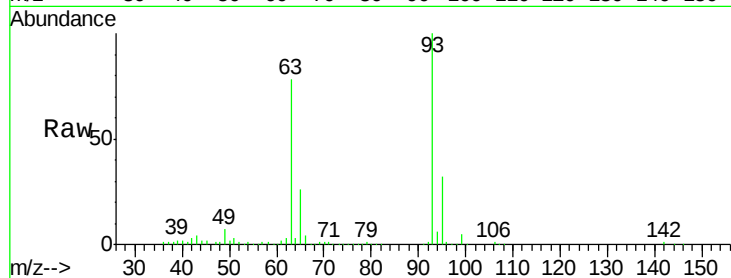
Tgt Ion: 93 Resp: 726498

Ion Ratio Lower Upper

93 100

63 78.2 60.4 100.4

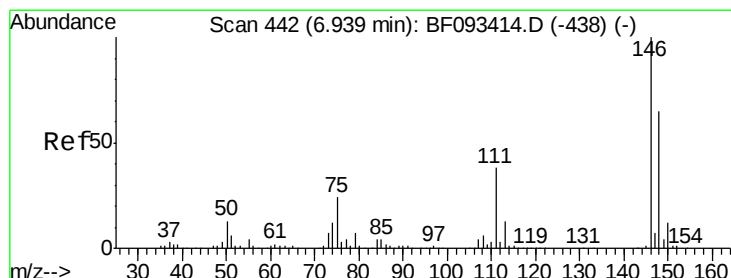
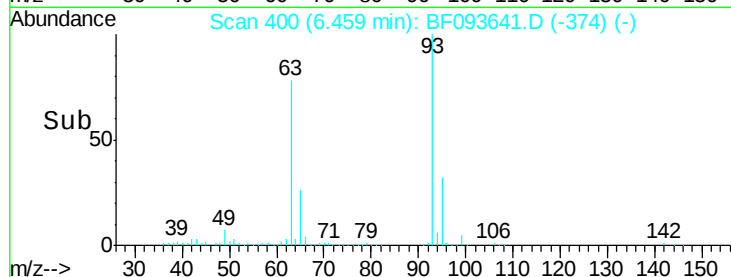
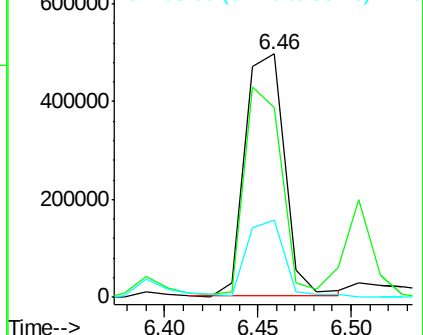
95 31.6 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 41.67 ng

RT: 6.88 min Scan# 437

Delta R.T. 0.23 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

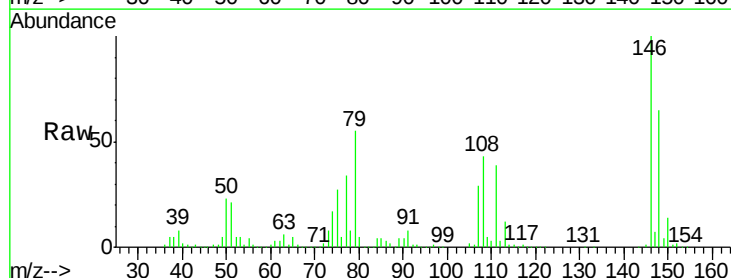
Tgt Ion: 146 Resp: 543197

Ion Ratio Lower Upper

146 100

148 64.6 53.4 80.0

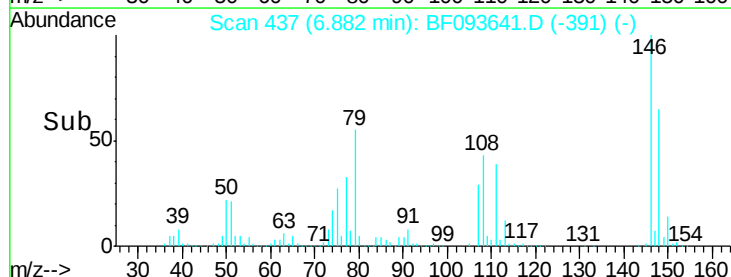
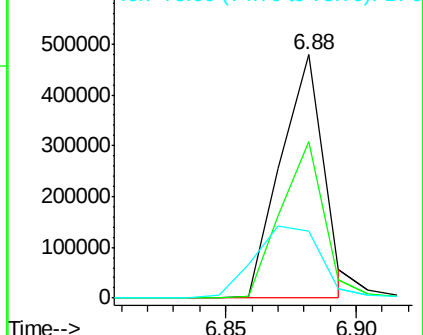
75 27.4 18.5 27.7

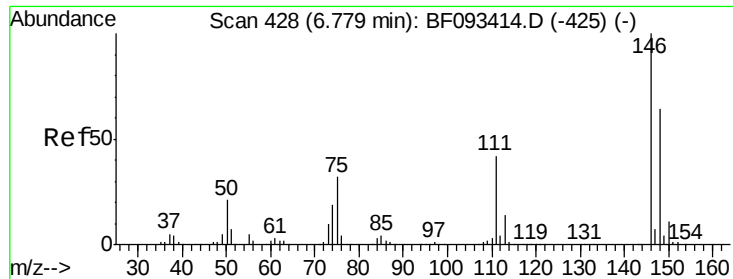


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

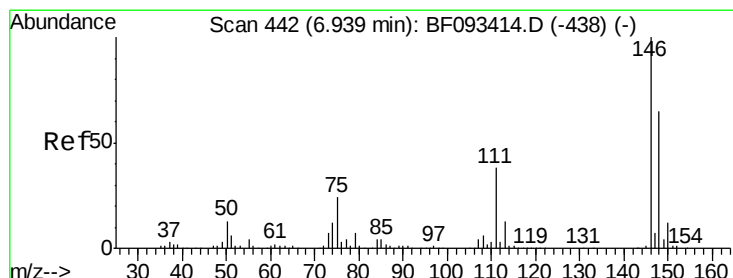
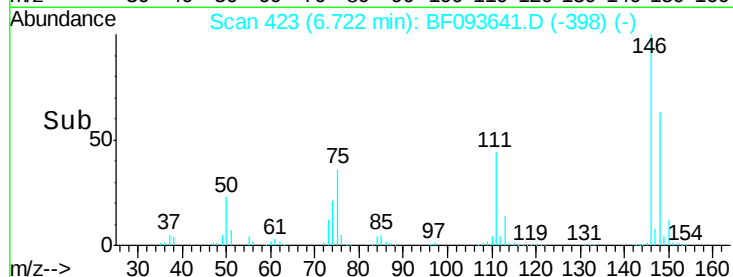
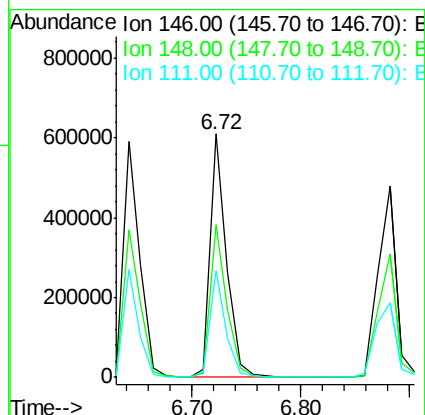
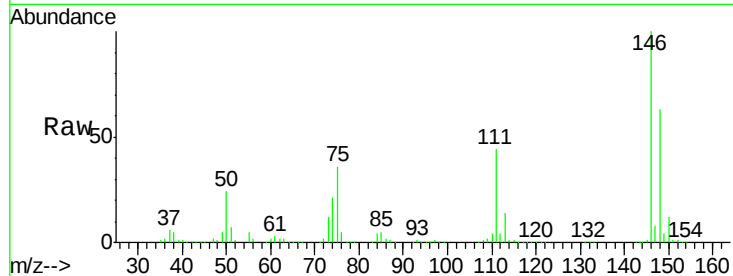




#13
 1,4-Dichlorobenzene
 Concen: 48.37 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

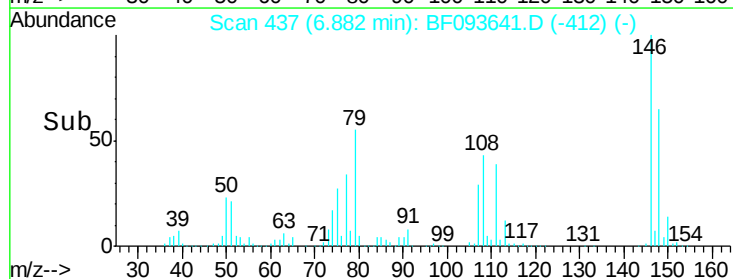
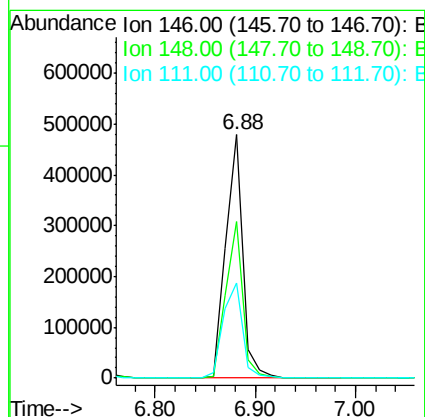
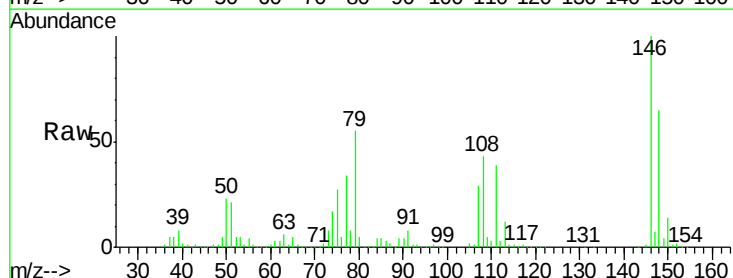
Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

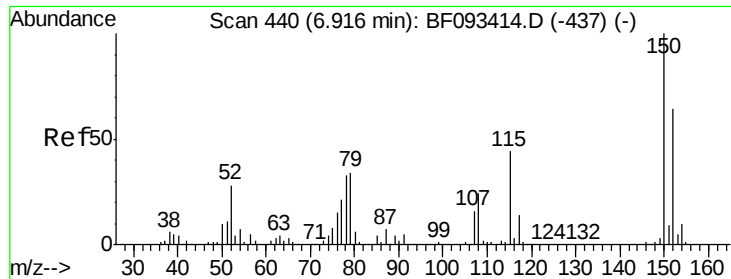
Tgt Ion:146 Resp: 645710
 Ion Ratio Lower Upper
 146 100
 148 62.9 50.6 76.0
 111 43.8 36.2 54.4



#14
 1,2-Dichlorobenzene
 Concen: 47.44 ng
 RT: 6.88 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:146 Resp: 560790
 Ion Ratio Lower Upper
 146 100
 148 64.6 52.2 78.2
 111 39.2 36.2 54.2





#15

Benzyl Alcohol

Concen: 55.10 ng

RT: 6.88 min Scan# 437

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

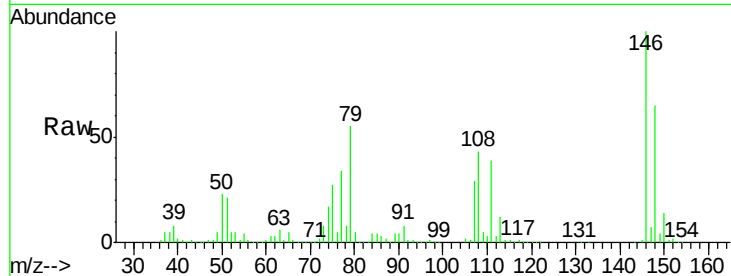
Tgt Ion: 79 Resp: 503488

Ion Ratio Lower Upper

79 100

108 78.7 61.4 92.0

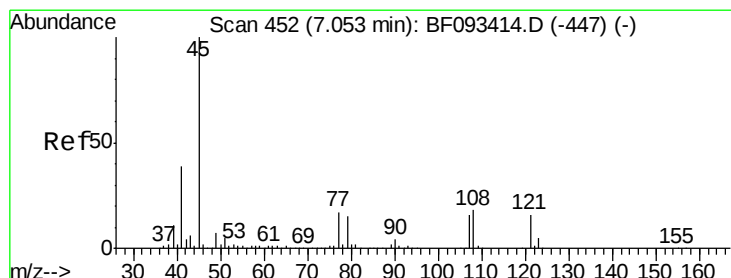
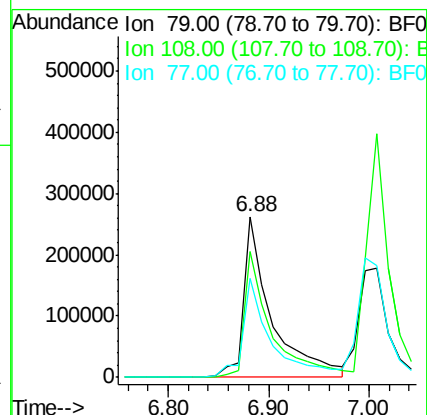
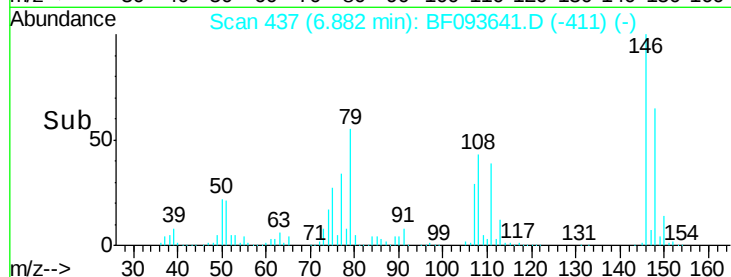
77 61.8 50.9 76.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.44 ng

RT: 7.00 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

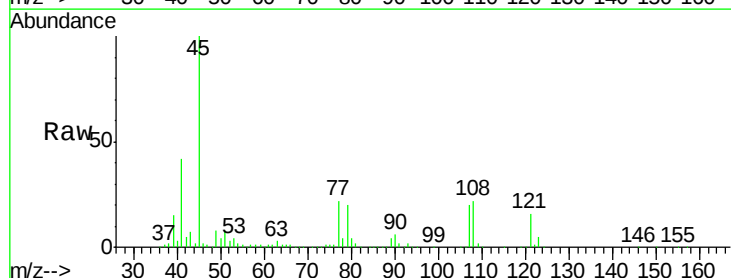
Tgt Ion: 45 Resp: 1084894

Ion Ratio Lower Upper

45 100

77 22.4 0.0 34.6

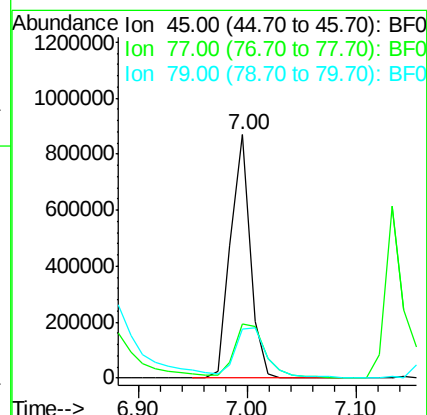
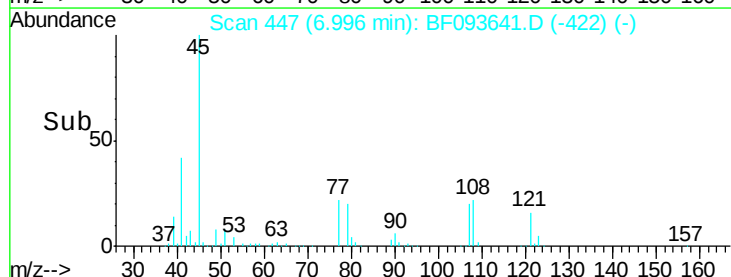
79 20.0 0.0 31.2

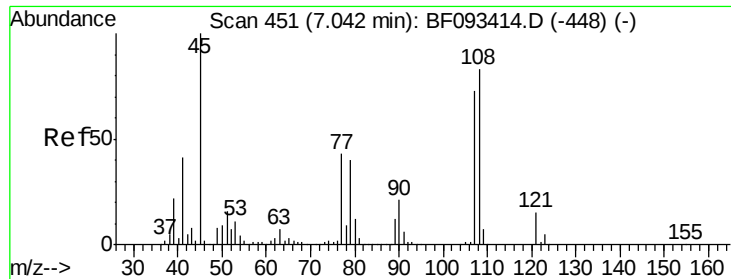


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

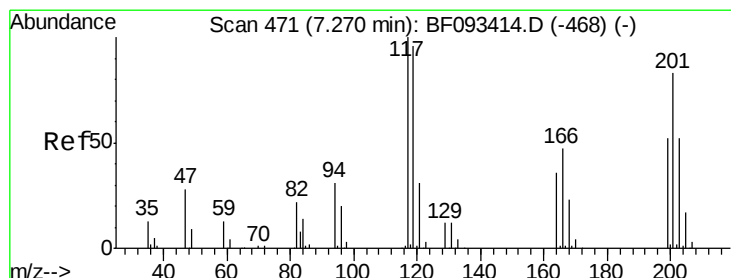
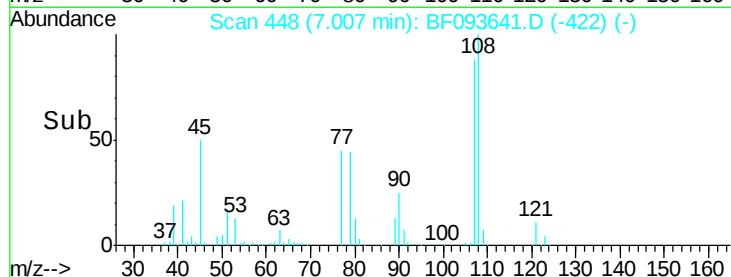
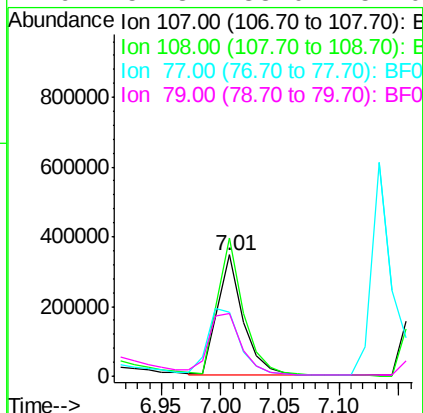
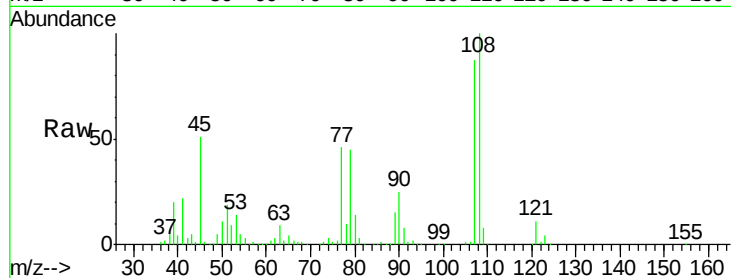




#17
2-Methylphenol
Concen: 54.42 ng
RT: 7.01 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

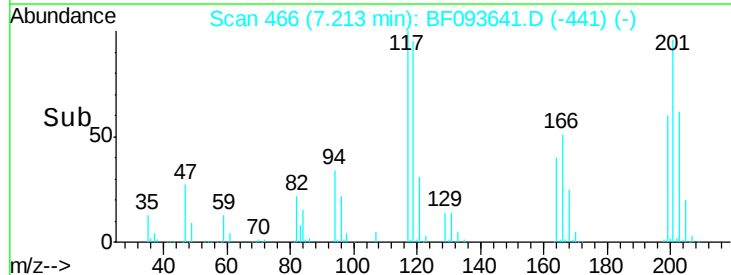
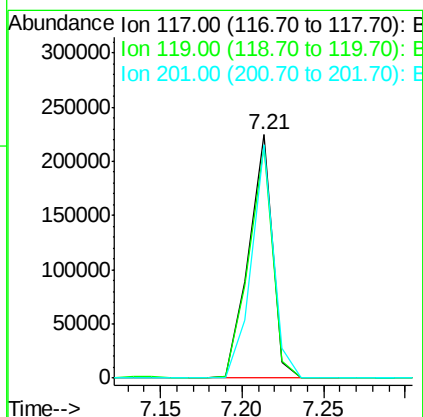
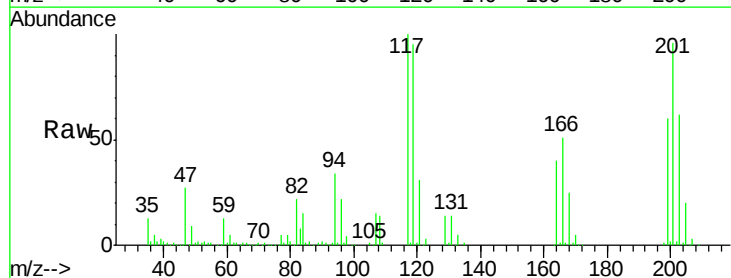
Instrument :
BNA_F
ClientSampleId :
D-112MSD

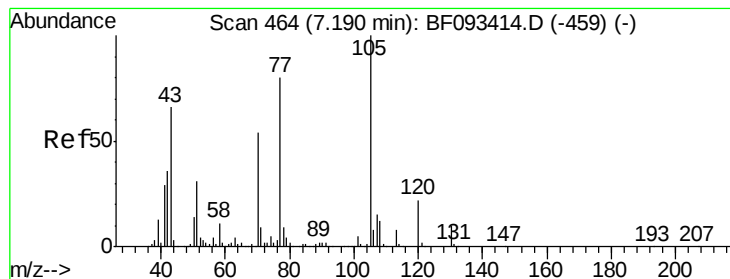
Tgt Ion:107 Resp: 524242
Ion Ratio Lower Upper
107 100
108 114.4 93.0 139.6
77 52.8 39.8 59.8
79 51.3 38.0 57.0



#18
Hexachloroethane
Concen: 50.24 ng
RT: 7.21 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:117 Resp: 226156
Ion Ratio Lower Upper
117 100
119 95.2 78.1 117.1
201 96.0 78.6 117.8





#19

n-Nitroso-di-n-propylamine

Concen: 60.40 ng

RT: 7.14 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tgt Ion: 70 Resp: 532317

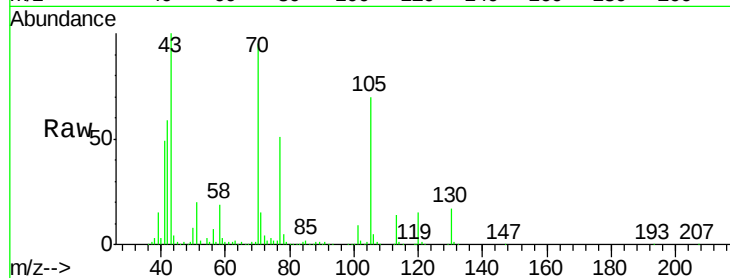
Ion Ratio Lower Upper

70 100

42 62.4 49.4 74.0

101 9.2 7.4 11.2

130 18.5 14.2 21.4

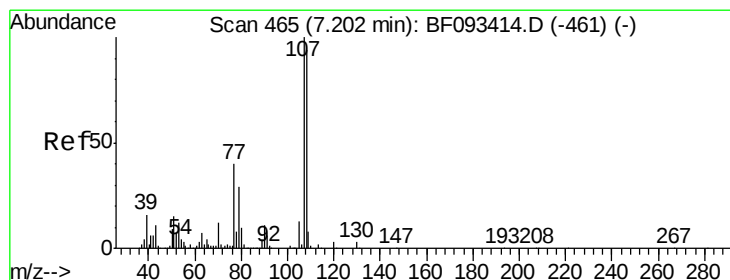
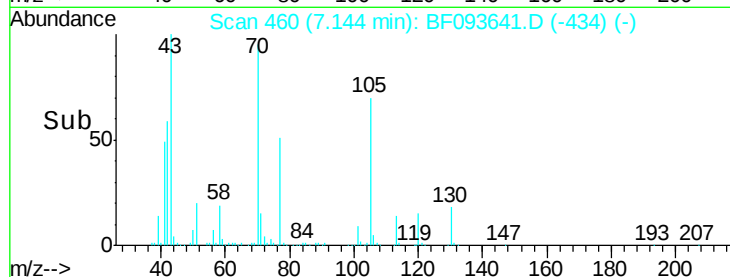
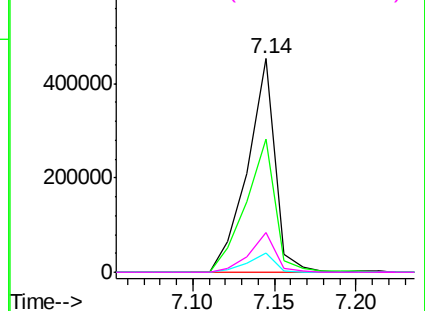


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 57.12 ng

RT: 7.17 min Scan# 462

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion: 107 Resp: 713609

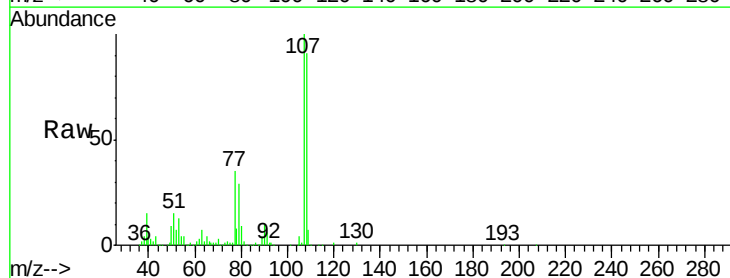
Ion Ratio Lower Upper

107 100

108 91.2 73.0 113.0

77 35.1 71.3 111.3#

79 29.4 11.1 51.1

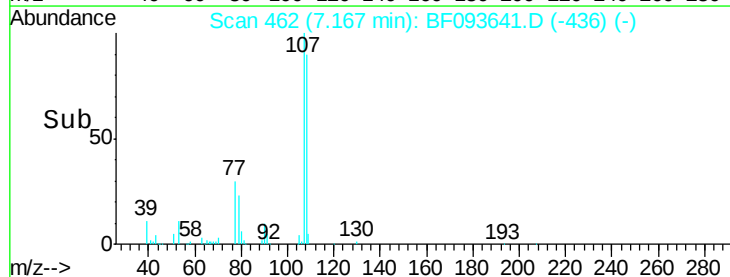
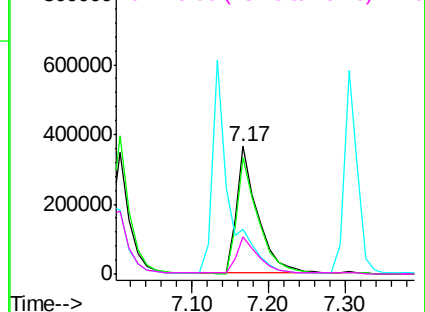


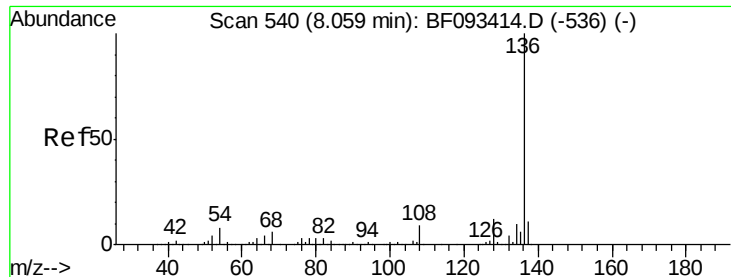
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

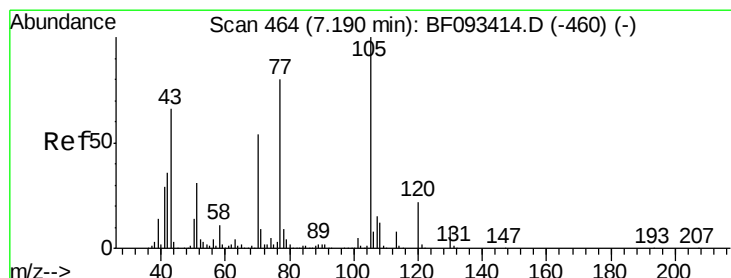
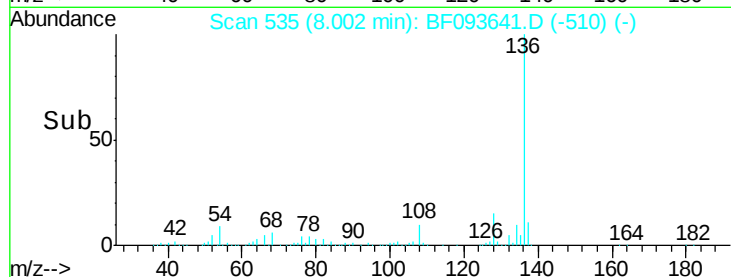
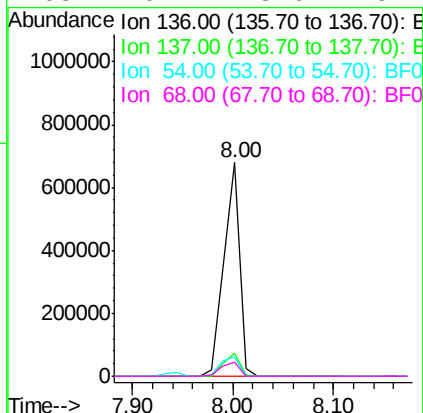
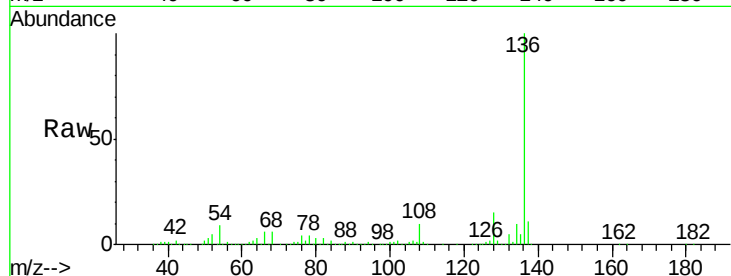




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

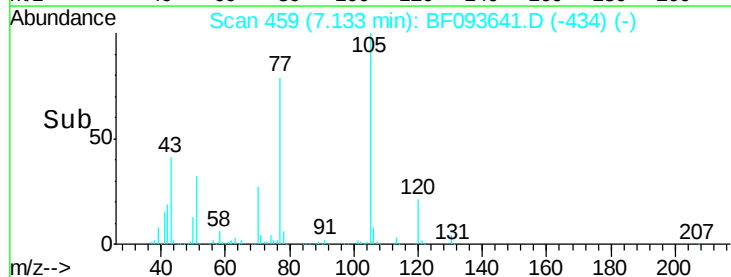
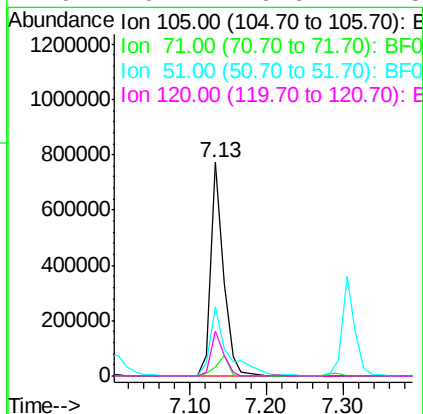
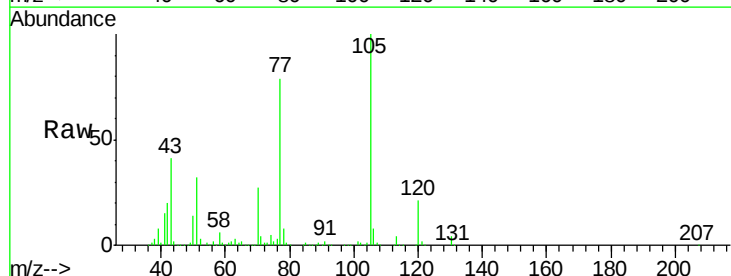
Instrument :
BNA_F
ClientSampleId :
D-112MSD

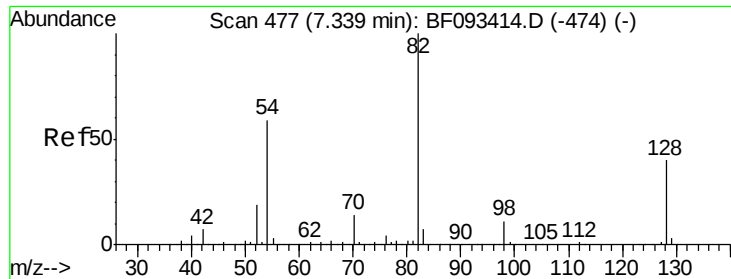
Tgt Ion:	136	Resp:	737526
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.7	4.5	6.7#
68	6.4	3.6	5.4#



#22
Acetophenone
Concen: 49.60 ng
RT: 7.13 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:	105	Resp:	880243
Ion	Ratio	Lower	Upper
105	100		
71	4.5	3.2	4.8
51	32.1	26.2	39.4
120	20.7	16.6	24.8

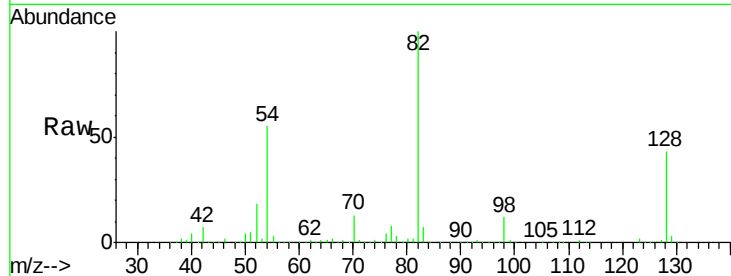




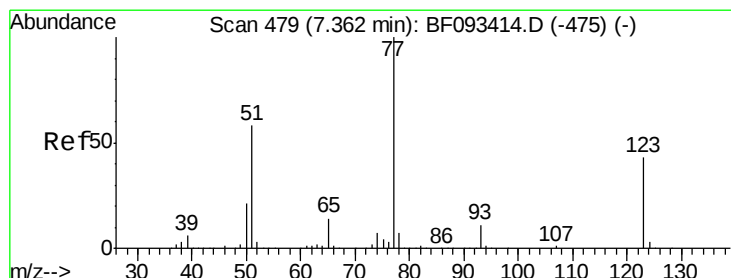
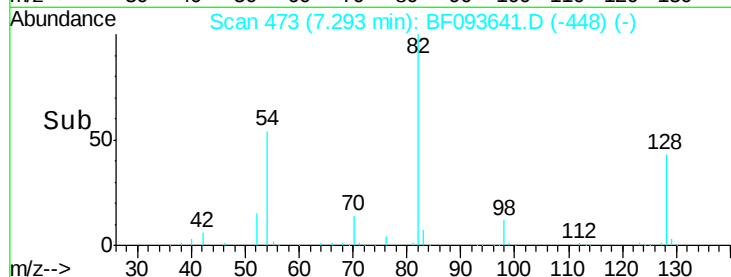
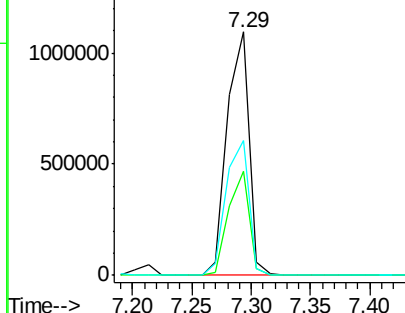
#23
 Nitrobenzene-d5
 Concen: 105.50 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tgt Ion: 82 Resp: 1402325
 Ion Ratio Lower Upper
 82 100
 128 42.9 34.6 52.0
 54 55.5 39.5 59.3

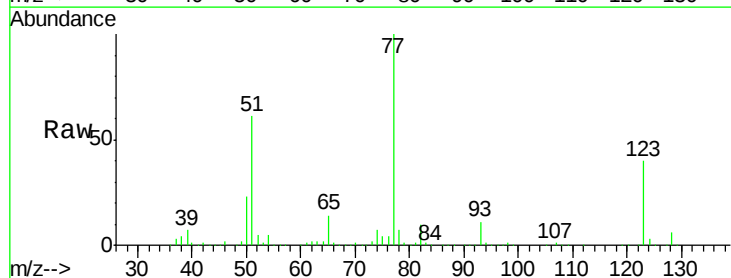


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

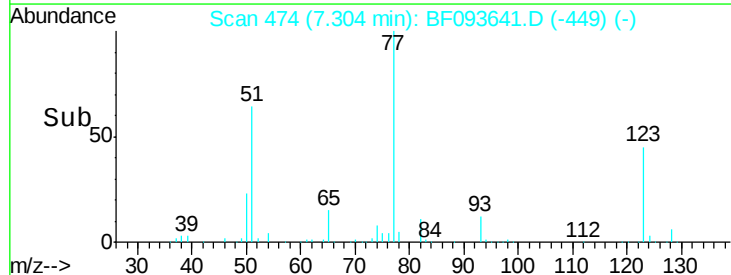
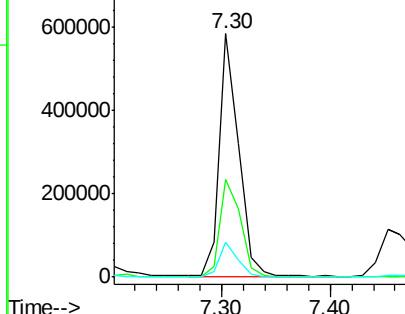


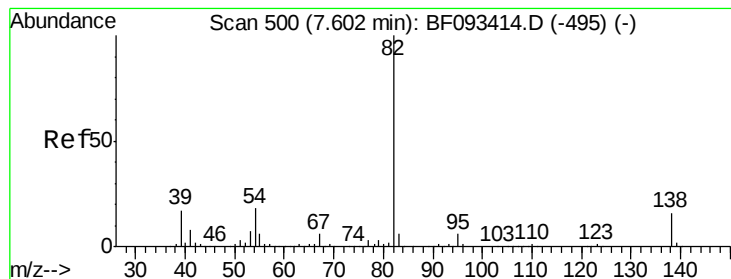
#24
 Nitrobenzene
 Concen: 48.03 ng
 RT: 7.30 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion: 77 Resp: 717565
 Ion Ratio Lower Upper
 77 100
 123 40.0 33.0 49.4
 65 14.5 11.2 16.8



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





#25

Isophorone

Concen: 48.67 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampled :

D-112MSD

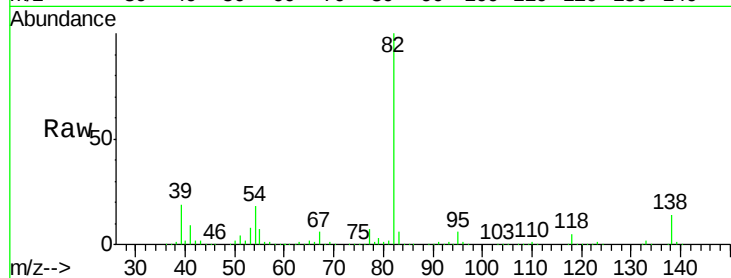
Tgt Ion: 82 Resp: 1304696

Ion Ratio Lower Upper

82 100

95 6.4 5.6 8.4

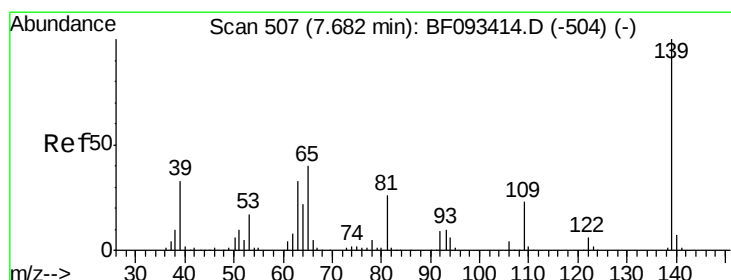
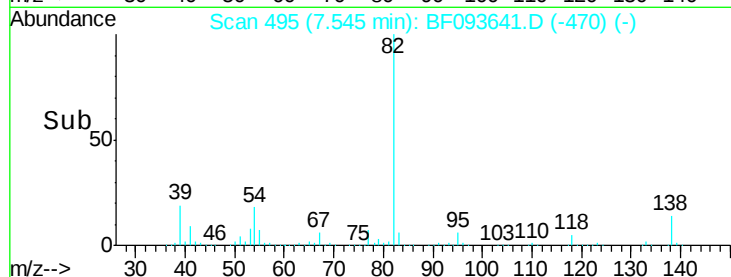
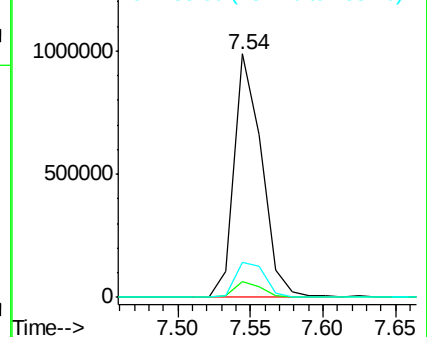
138 14.4 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 50.32 ng

RT: 7.62 min Scan# 502

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

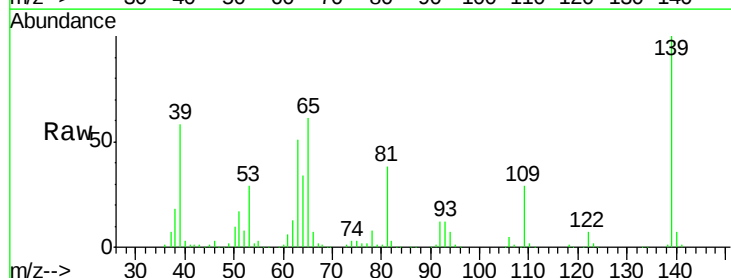
Tgt Ion: 139 Resp: 342964

Ion Ratio Lower Upper

139 100

109 29.2 23.3 34.9

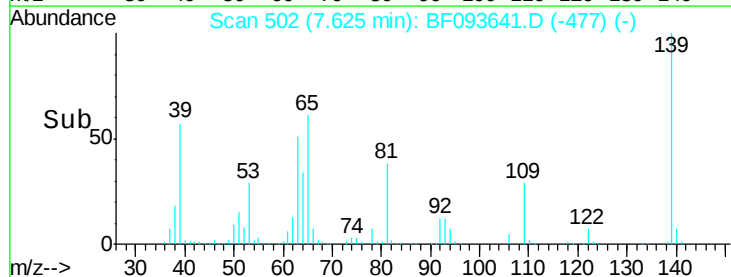
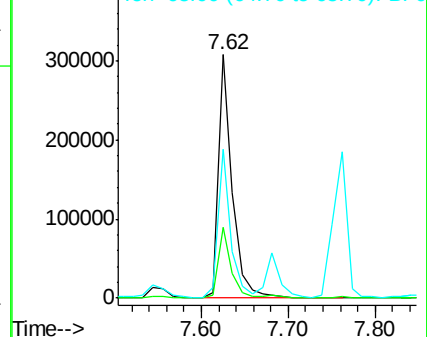
65 61.1 42.7 64.1

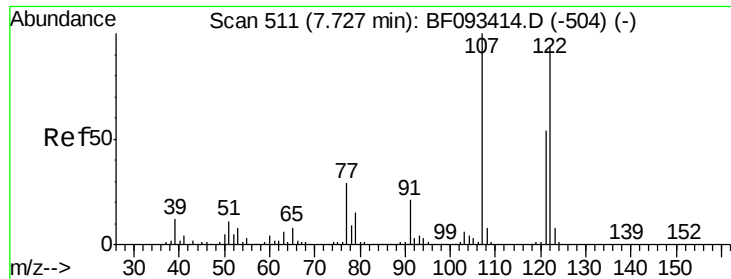


Abundance Ion 139.00 (138.70 to 139.70): BF0

Ion 109.00 (108.70 to 109.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

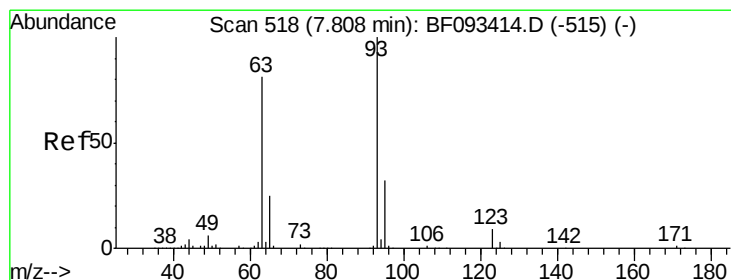
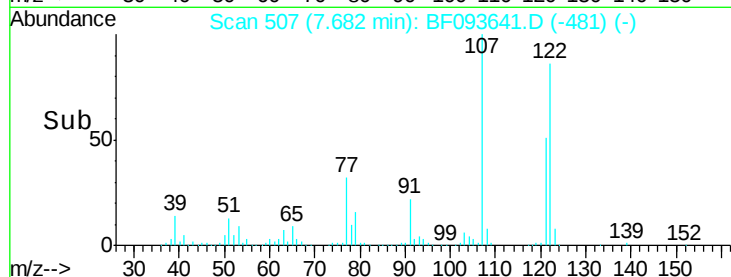
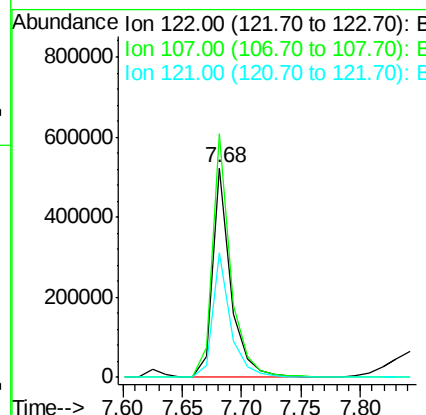
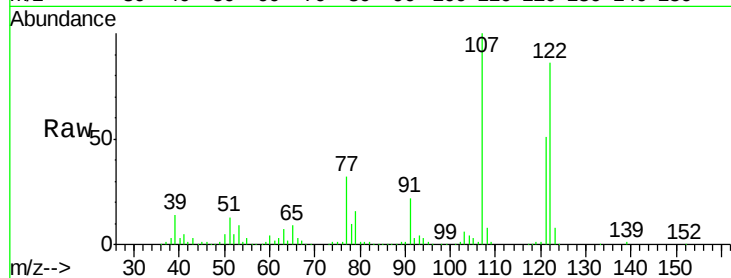




#27
 2,4-Dimethylphenol
 Concen: 49.64 ng
 RT: 7.68 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

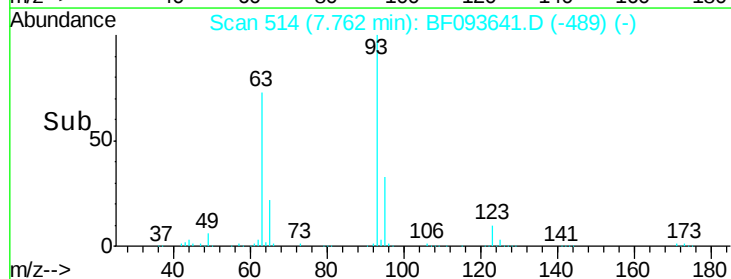
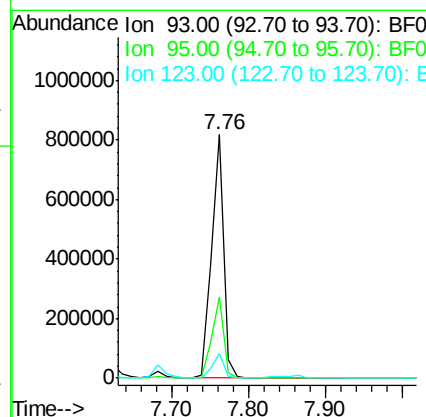
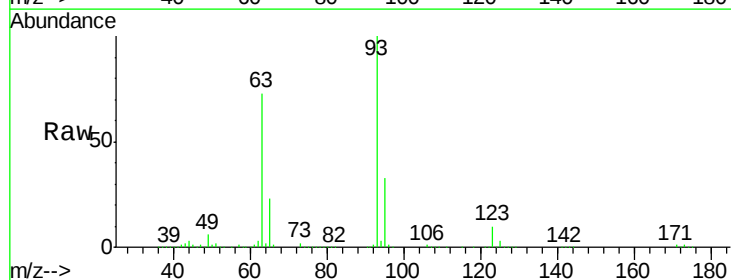
Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

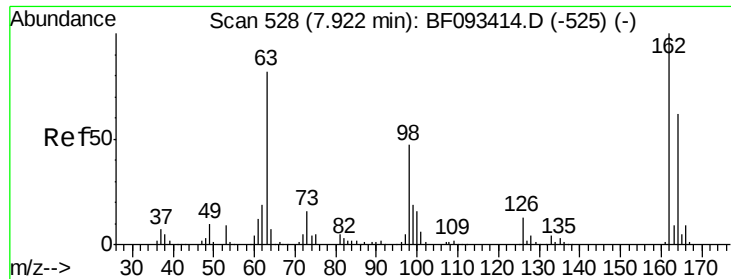
Tgt Ion: 122 Resp: 550435
 Ion Ratio Lower Upper
 122 100
 107 116.2 94.1 141.1
 121 59.4 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 51.69 ng
 RT: 7.76 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion: 93 Resp: 874693
 Ion Ratio Lower Upper
 93 100
 95 33.1 26.5 39.7
 123 10.2 8.6 13.0

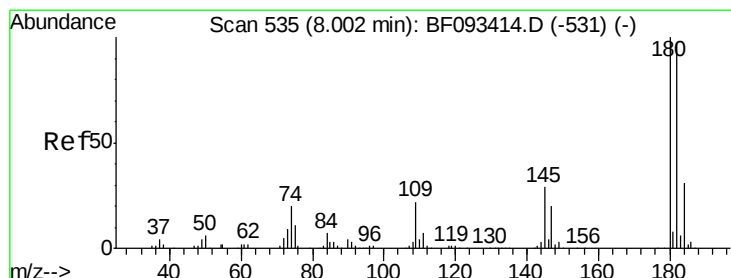
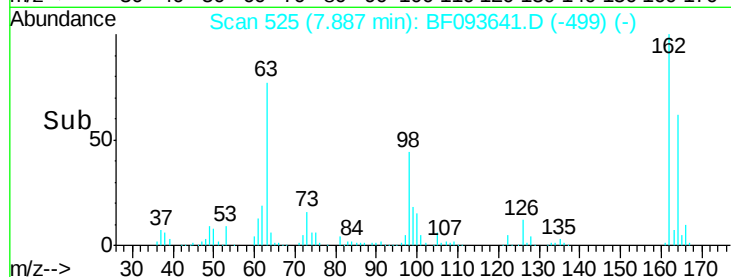
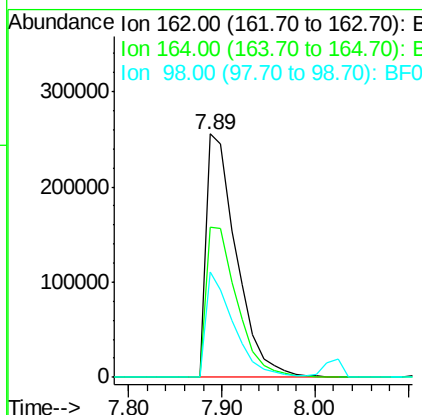
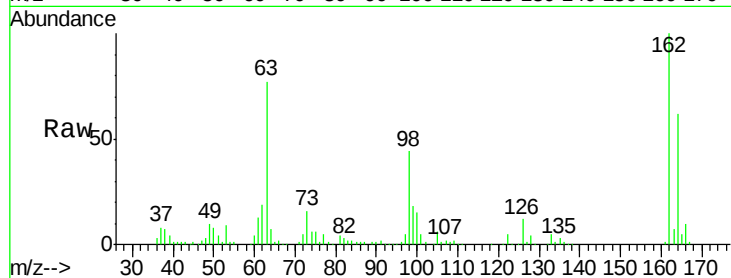




#29
 2,4-Dichlorophenol
 Concen: 55.40 ng
 RT: 7.89 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

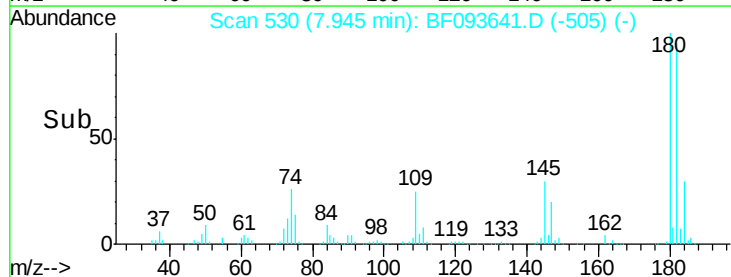
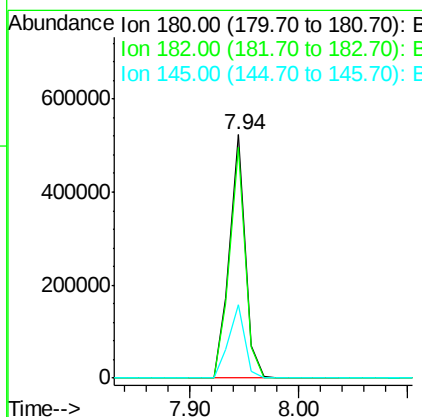
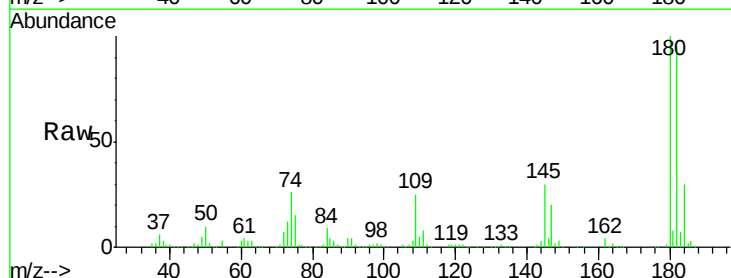
Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

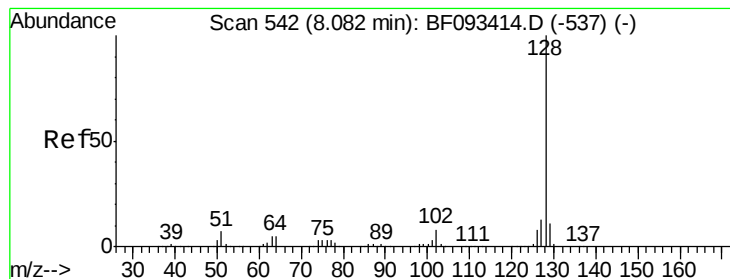
Tgt Ion:162 Resp: 577906
 Ion Ratio Lower Upper
 162 100
 164 61.5 46.8 86.8
 98 43.5 9.1 49.1



#30
 1,2,4-Trichlorobenzene
 Concen: 47.62 ng
 RT: 7.94 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:180 Resp: 528285
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.2 117.4
 145 30.0 21.6 32.4





#31

Naphthalene

Concen: 46.56 ng

RT: 8.02 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

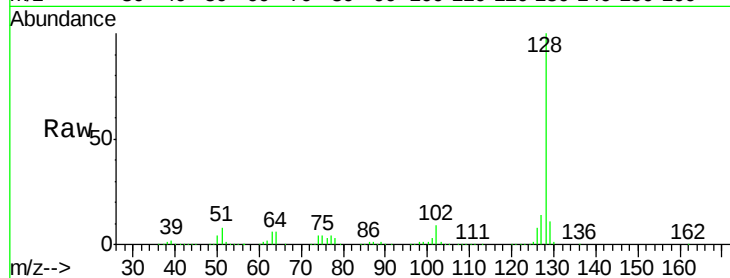
Tgt Ion:128 Resp: 1721019

Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

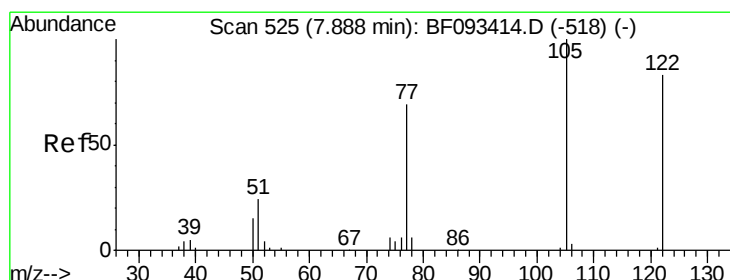
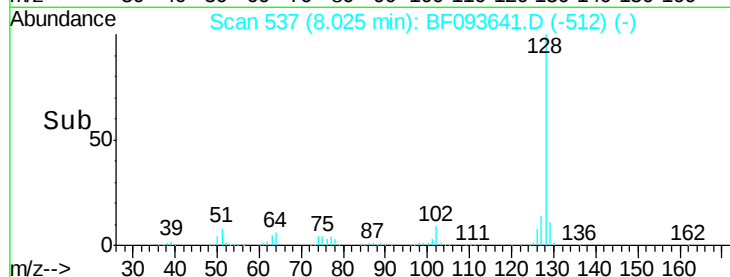
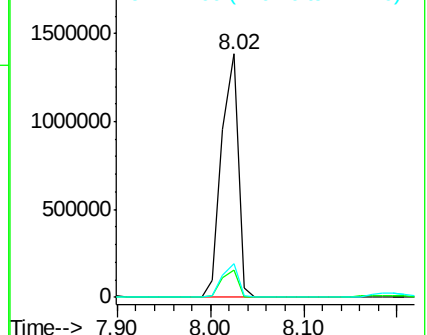
127 13.6 10.8 16.2



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: 49.98 ng

RT: 7.86 min Scan# 523

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

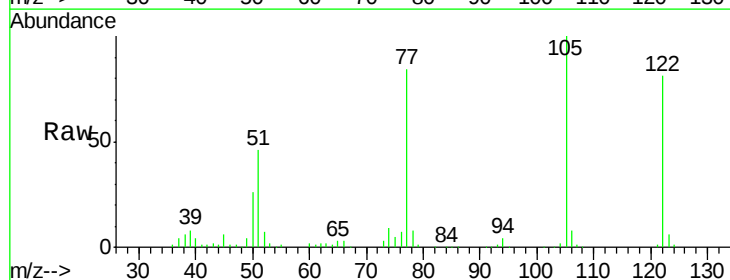
Tgt Ion:122 Resp: 287977

Ion Ratio Lower Upper

122 100

105 123.0 107.2 147.2

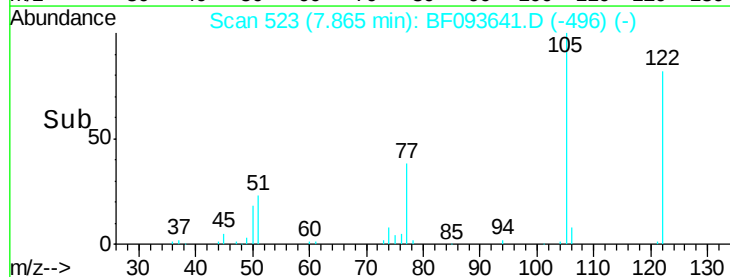
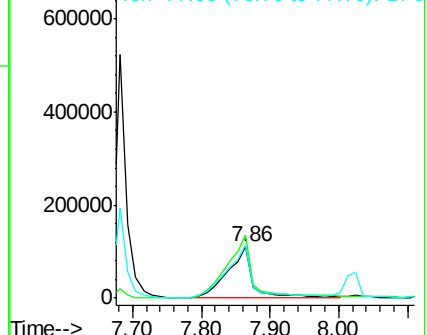
77 103.2 74.5 114.5

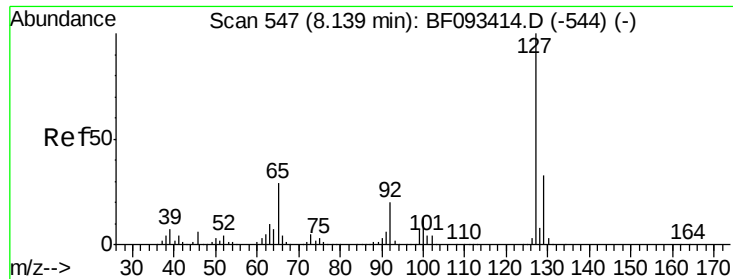


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

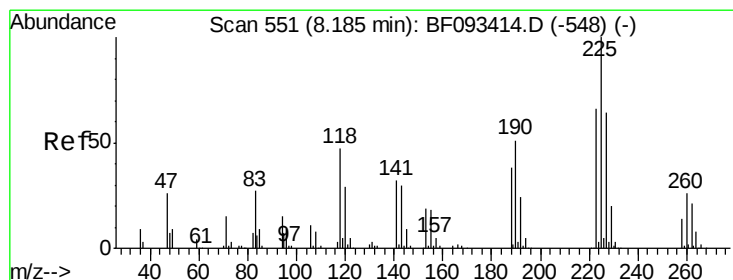
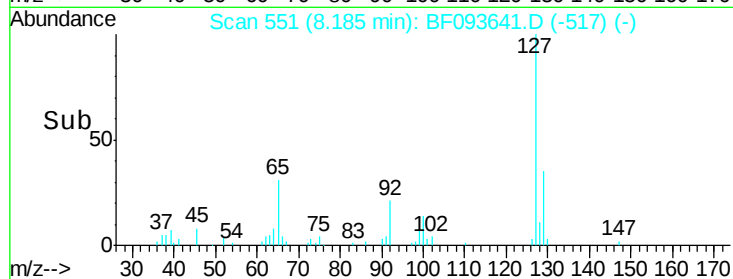
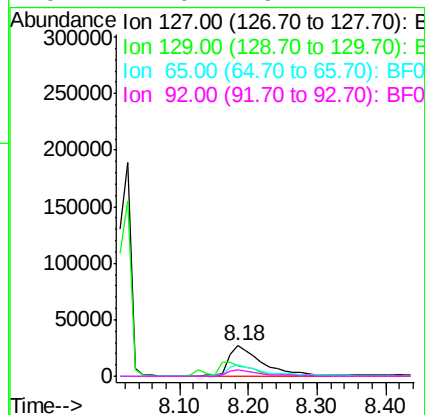
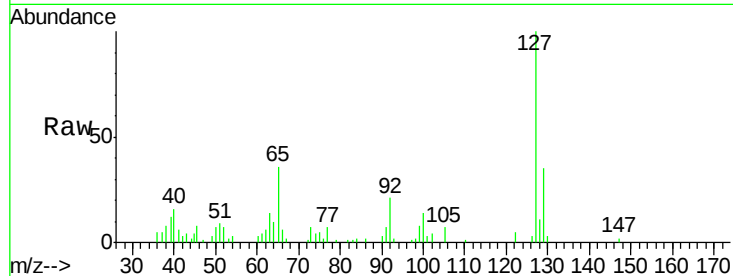




#33
4-Chloroaniline
Concen: 6.32 ng
RT: 8.18 min Scan# 551
Delta R.T. 0.09 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

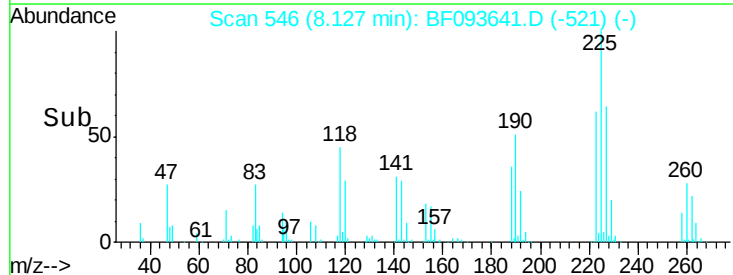
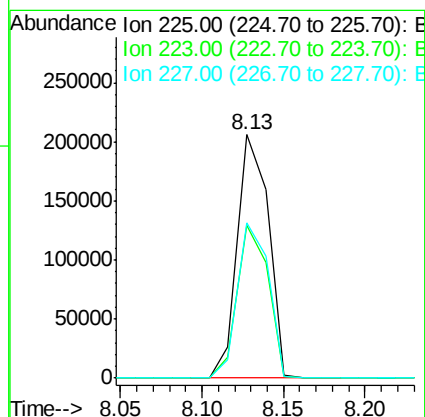
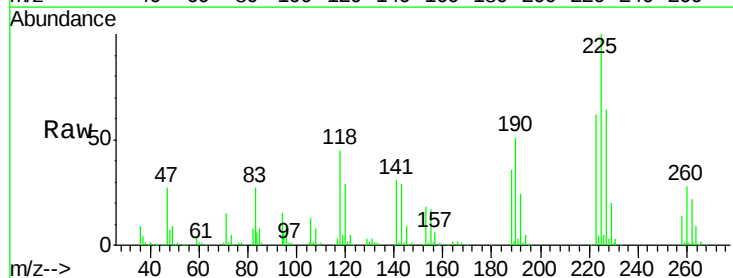
Instrument :
BNA_F
ClientSampleId :
D-112MSD

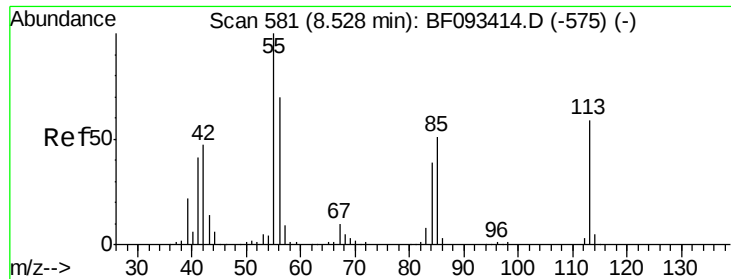
Tgt Ion:	127	Resp:	94795
Ion	Ratio	Lower	Upper
127	100		
129	35.2	26.3	39.5
65	36.1	25.8	38.8
92	21.0	16.1	24.1



#34
Hexachlorobutadiene
Concen: 47.27 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:	225	Resp:	270080
Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	63.6	50.6	76.0

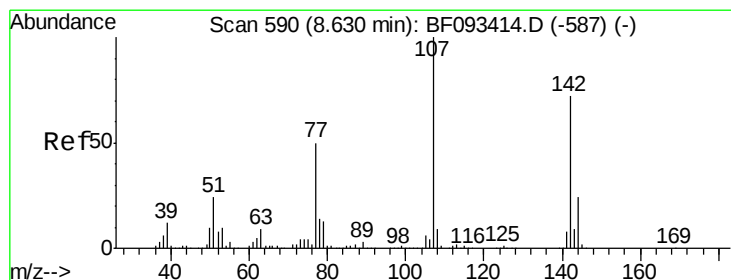
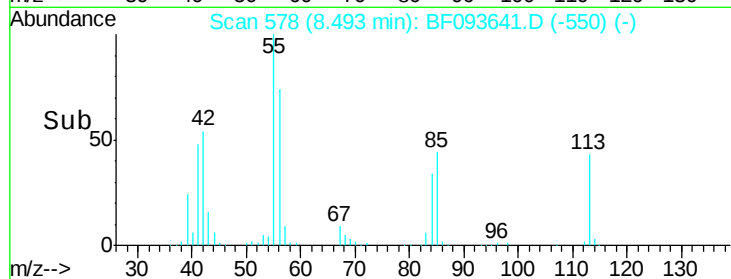
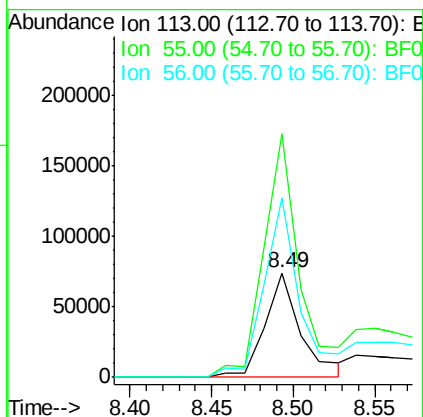
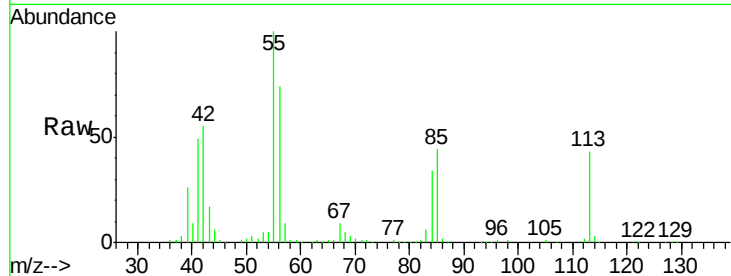




#35
 Caprolactam
 Concen: 31.74 ng
 RT: 8.49 min Scan# 578
 Delta R.T. 0.02 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

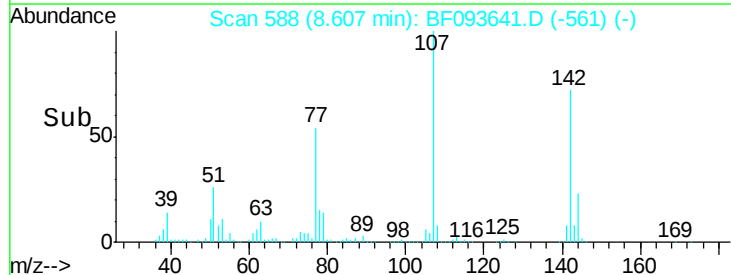
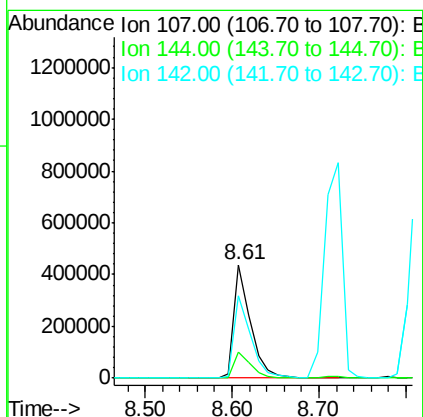
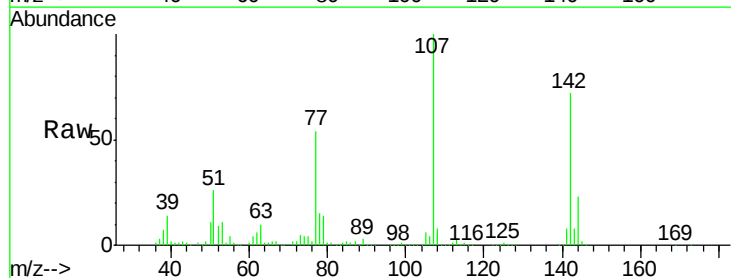
Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

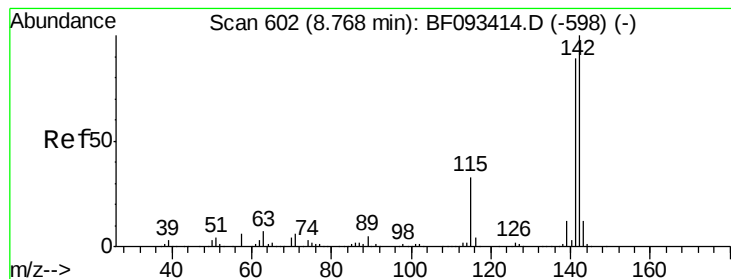
Tgt Ion:113 Resp: 113091
 Ion Ratio Lower Upper
 113 100
 55 232.6 119.2 159.2#
 56 171.7 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 51.72 ng
 RT: 8.61 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:107 Resp: 575803
 Ion Ratio Lower Upper
 107 100
 144 23.2 19.3 28.9
 142 71.9 59.0 88.6





#37

2-Methylnaphthalene

Concen: 49.04 ng

RT: 8.72 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

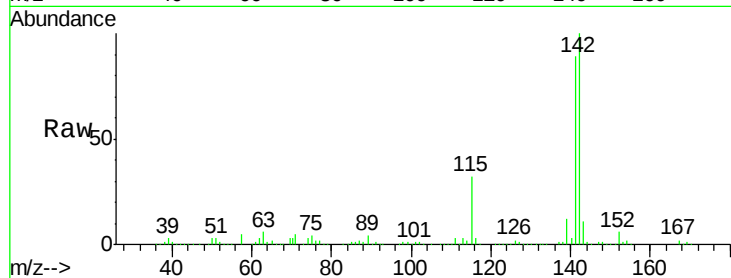
Tgt Ion:142 Resp: 1153281

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.6

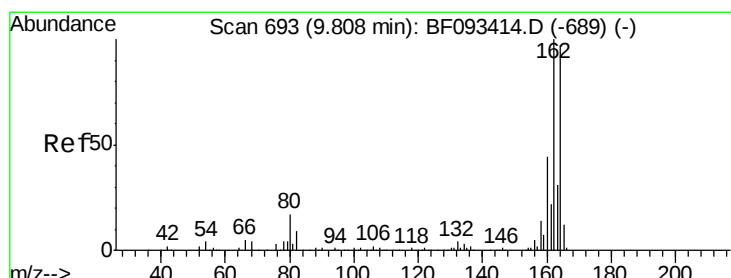
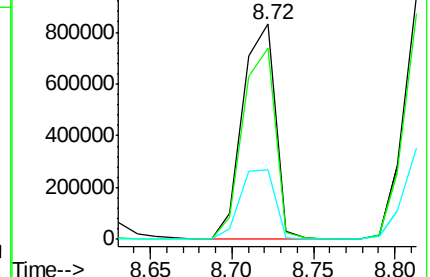
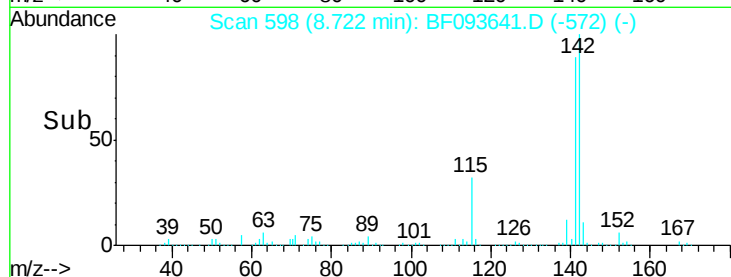
115 32.4 28.3 42.5



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: 9.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

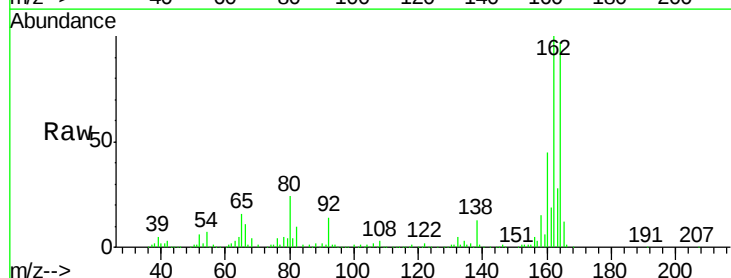
Tgt Ion:164 Resp: 346268

Ion Ratio Lower Upper

164 100

162 103.4 80.2 120.2

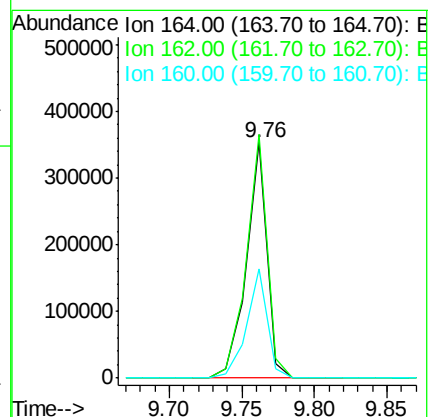
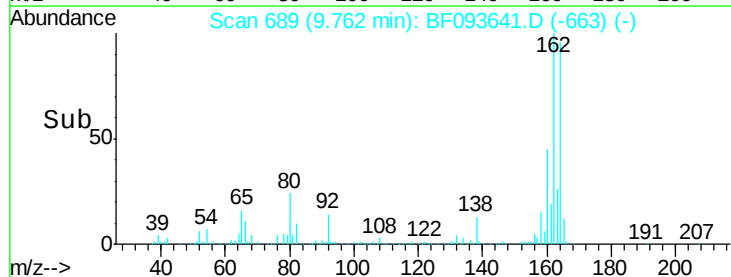
160 46.3 36.9 55.3

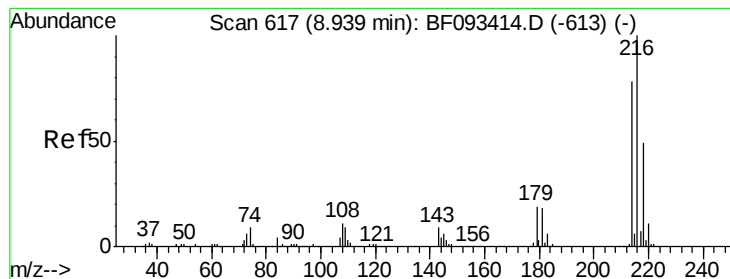


Abundance Ion 164.00 (163.70 to 164.70): E

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: 53.11 ng

RT: 8.88 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

Tgt Ion:216 Resp: 502154

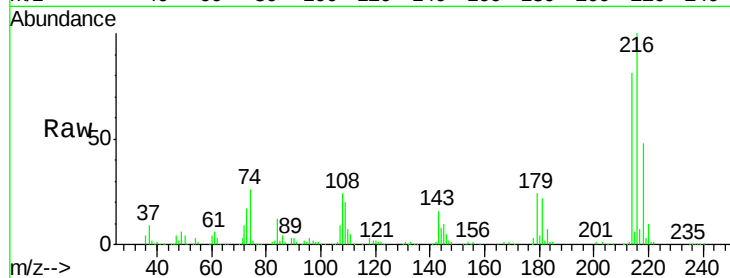
Ion Ratio Lower Upper

216 100

214 79.5 63.4 95.0

179 21.9 17.4 26.2

108 23.0 15.6 23.4

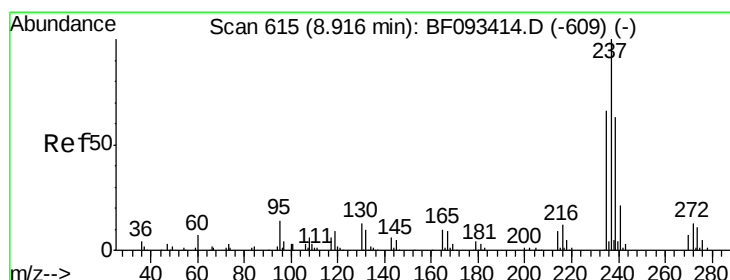
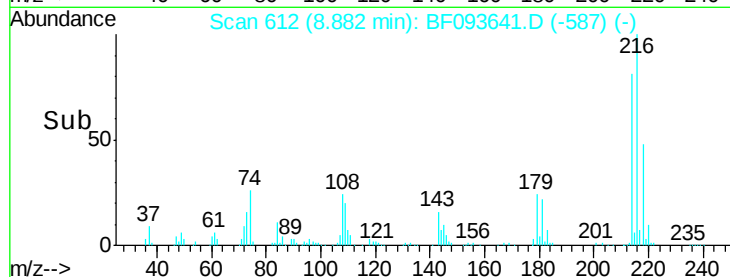
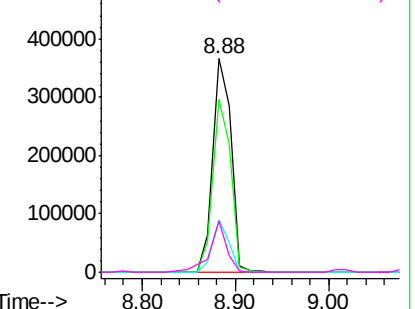


Abundance Ion 216.00 (215.70 to 216.70): E

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: 134.11 ng

RT: 8.86 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

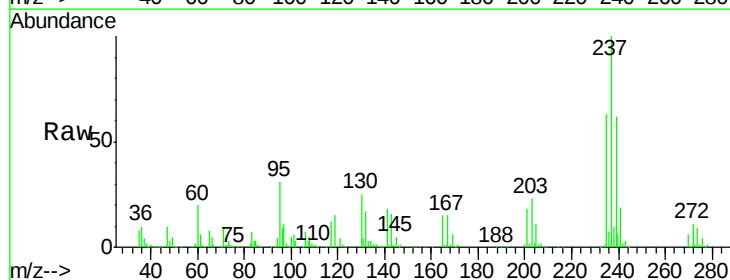
Tgt Ion:237 Resp: 342932

Ion Ratio Lower Upper

237 100

235 63.0 41.2 81.2

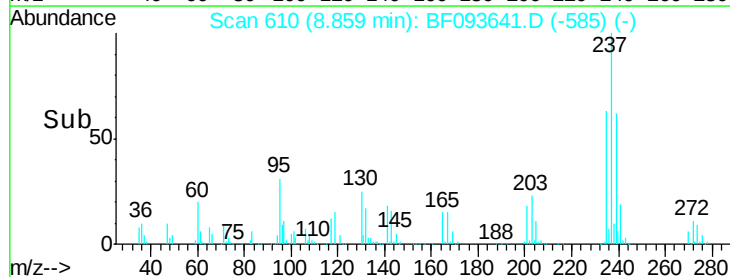
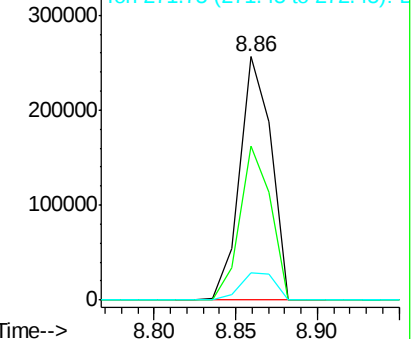
272 11.1 0.0 35.4

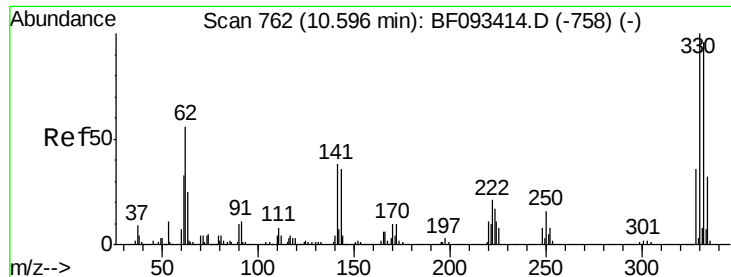


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

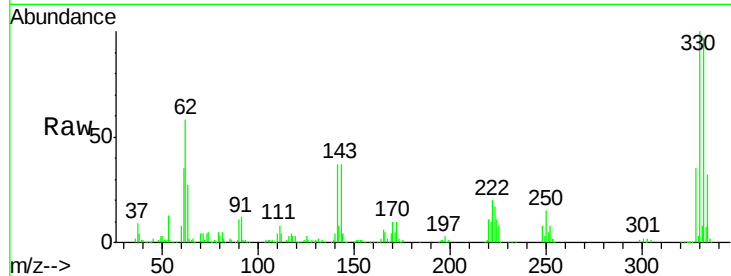




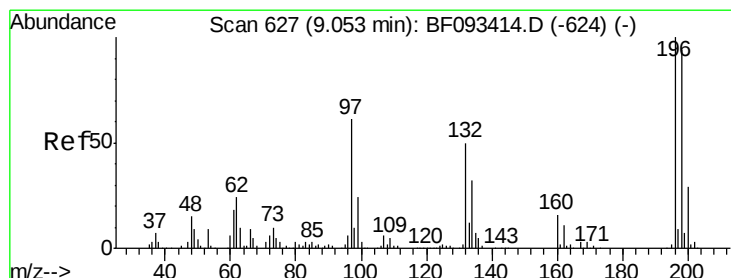
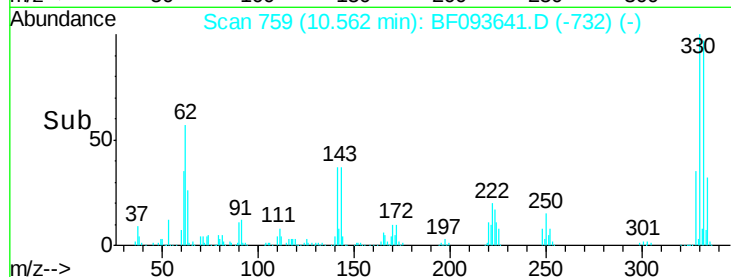
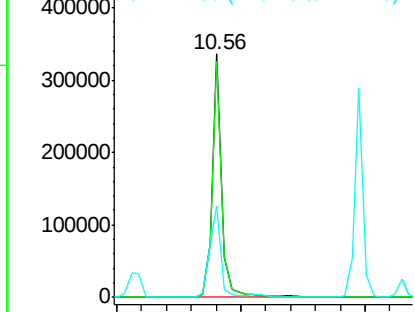
#41
 2,4,6-Tribromophenol
 Concen: 156.89 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampled :
 D-112MSD

Tgt Ion:330 Resp: 353951
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.4 116.2
 141 44.0 34.1 51.1

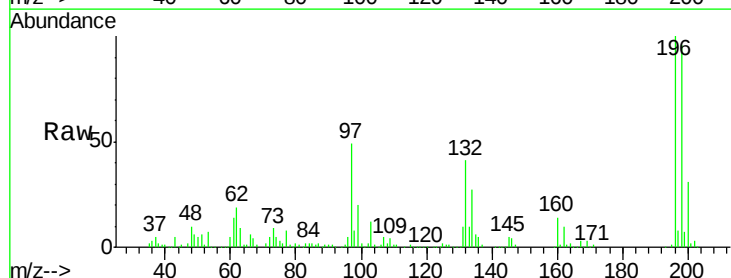


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

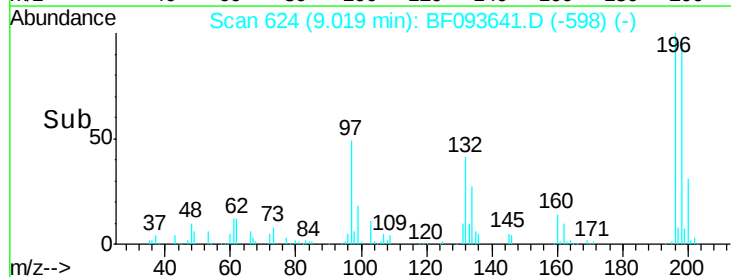
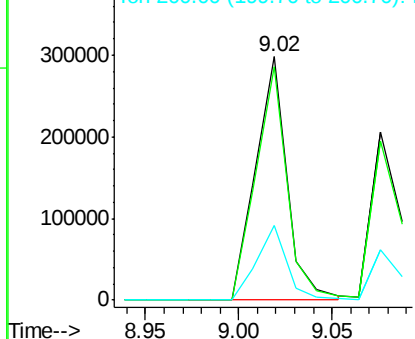


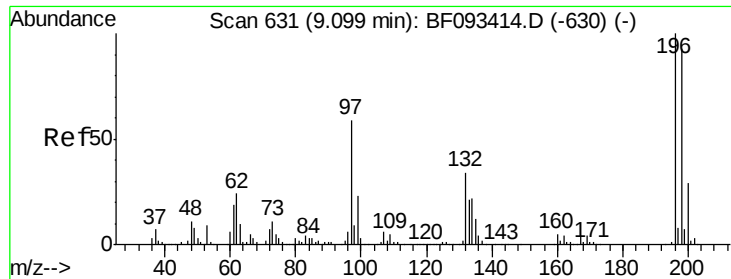
#42
 2,4,6-Trichlorophenol
 Concen: 58.58 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:196 Resp: 346045
 Ion Ratio Lower Upper
 196 100
 198 95.8 82.1 123.1
 200 30.9 27.0 40.4



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

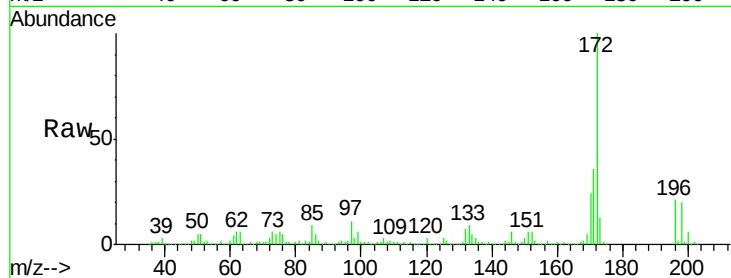




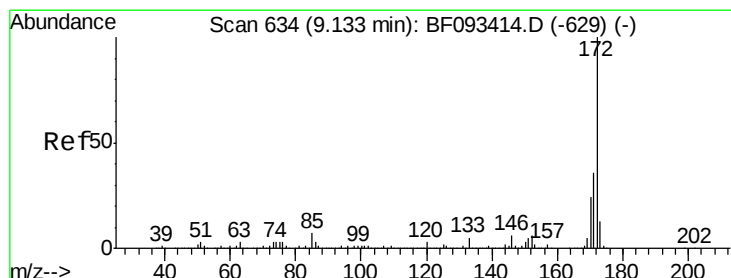
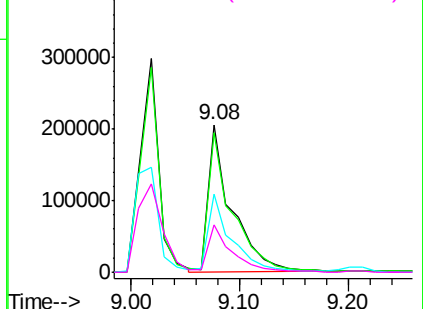
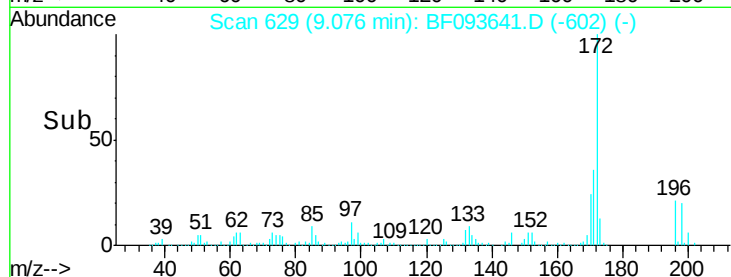
#43
 2,4,5-Trichlorophenol
 Concen: 48.82 ng
 RT: 9.08 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tgt Ion:	196	Resp:	309476
Ion	Ratio	Lower	Upper
196	100		
198	94.6	79.4	119.2
97	53.2	51.5	77.3
132	32.1	27.4	41.2

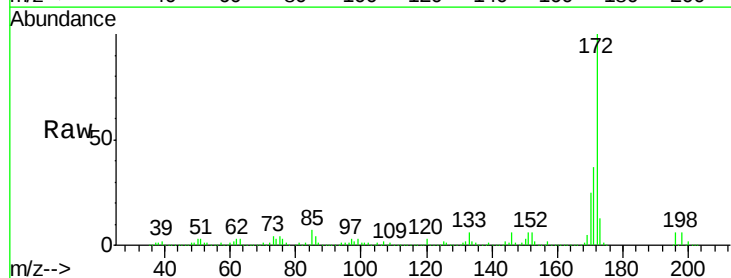


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

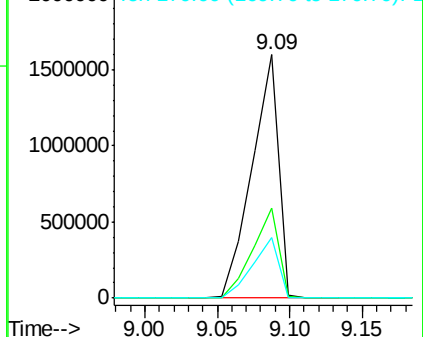
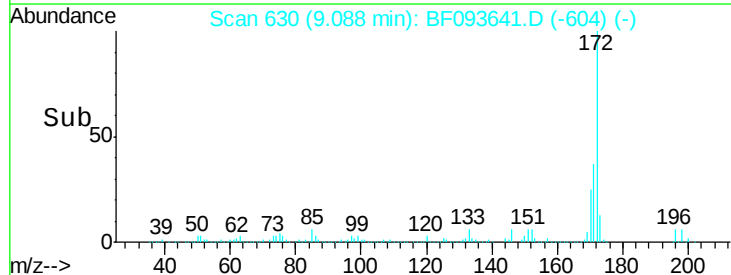


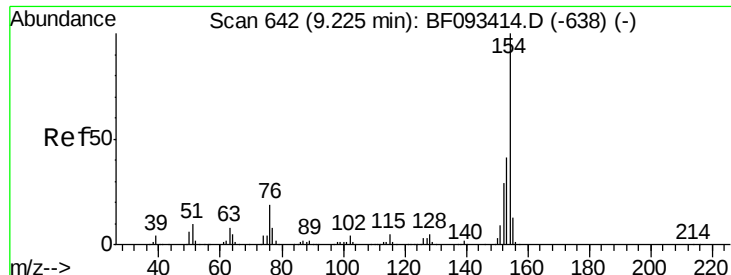
#44
 2-Fluorobiphenyl
 Concen: 109.74 ng
 RT: 9.09 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:	172	Resp:	2043025
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.6	20.2	30.4



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

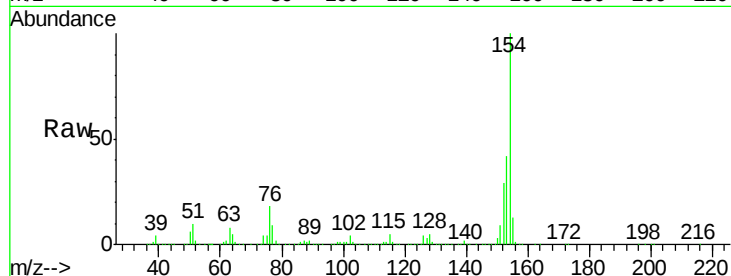




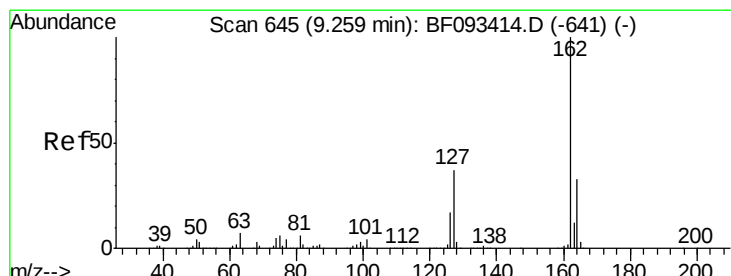
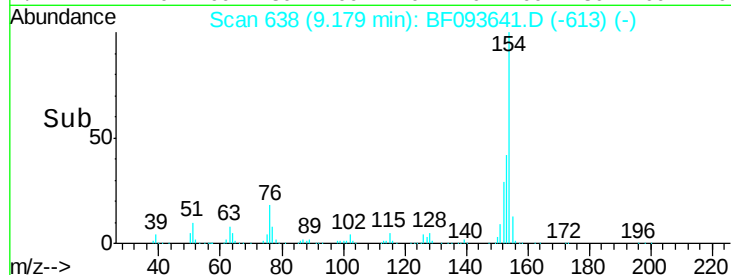
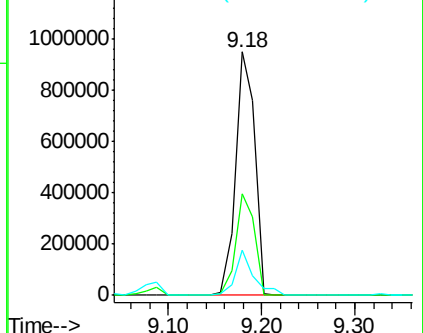
#45
 1,1'-Biphenyl
 Concen: 53.91 ng
 RT: 9.18 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

Tgt Ion:154 Resp: 1359860
 Ion Ratio Lower Upper
 154 100
 153 41.9 20.9 60.9
 76 18.3 0.0 30.5

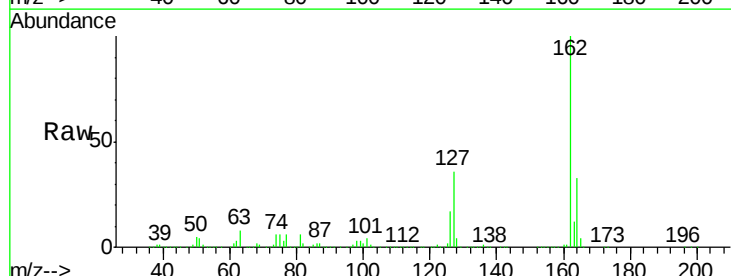


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

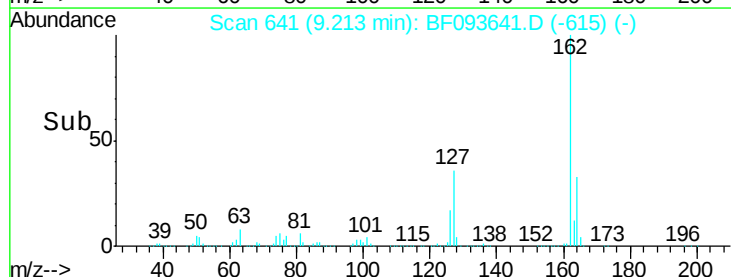
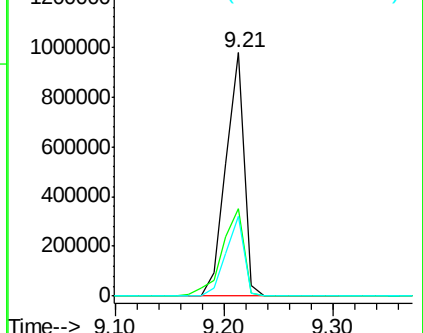


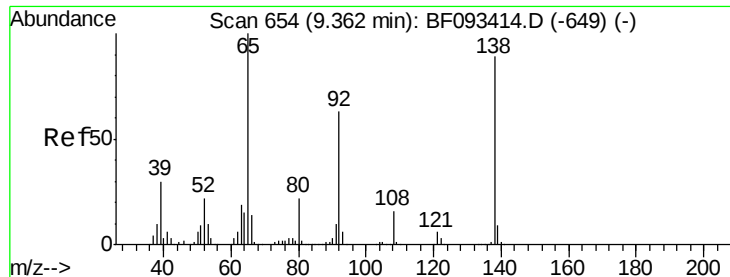
#46
 2-Chloronaphthalene
 Concen: 58.93 ng
 RT: 9.21 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:162 Resp: 1137902
 Ion Ratio Lower Upper
 162 100
 127 36.1 30.7 46.1
 164 32.9 27.6 41.4



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

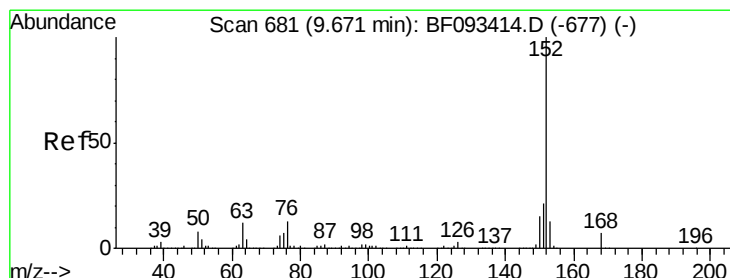
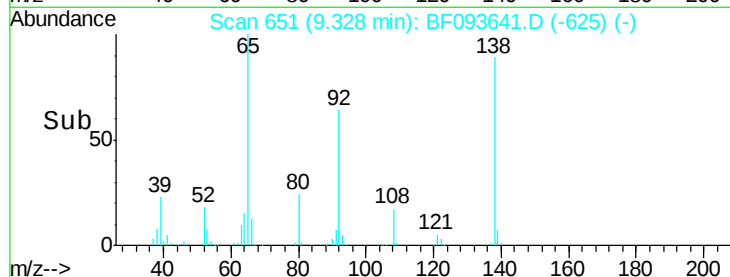
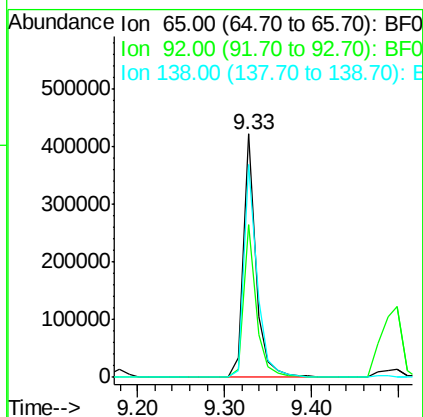
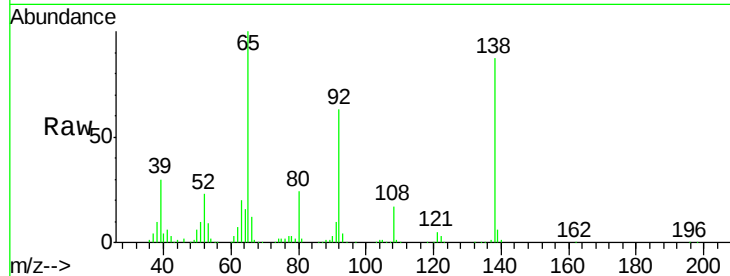




#47
2-Nitroaniline
Concen: 61.96 ng
RT: 9.33 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

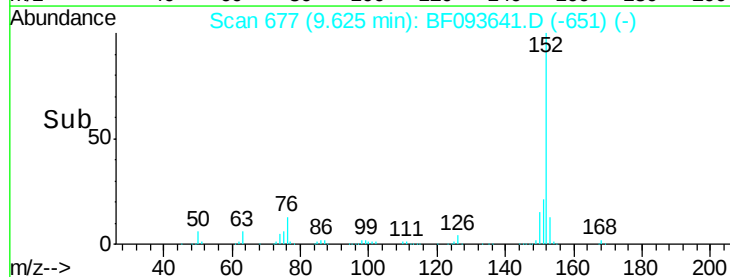
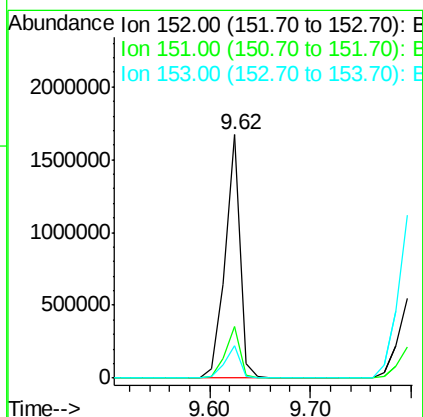
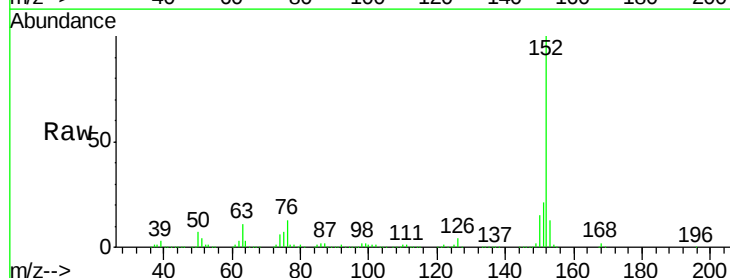
Instrument :
BNA_F
ClientSampleId :
D-112MSD

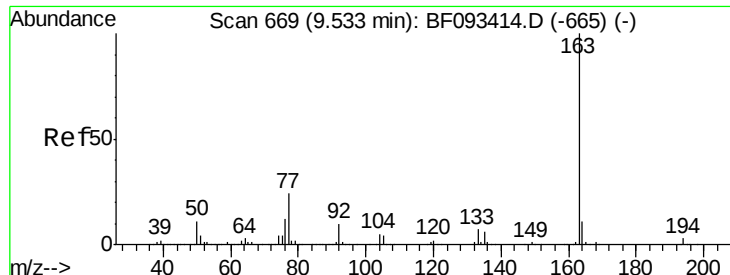
Tgt Ion: 65 Resp: 422896
Ion Ratio Lower Upper
65 100
92 62.9 53.9 80.9
138 87.2 76.8 115.2



#48
Acenaphthylene
Concen: 53.72 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion: 152 Resp: 1710577
Ion Ratio Lower Upper
152 100
151 21.2 16.9 25.3
153 13.3 11.4 17.2





#49

Dimethylphthalate

Concen: 57.39 ng

RT: 9.50 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

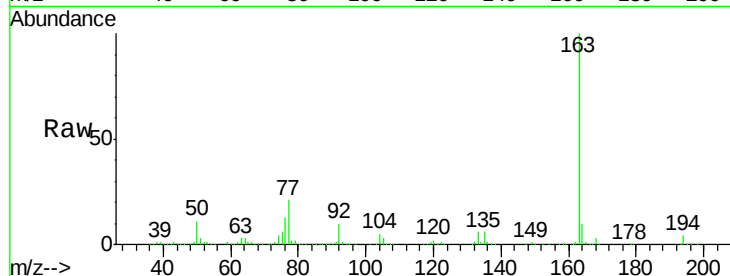
Tgt Ion:163 Resp: 1317440

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

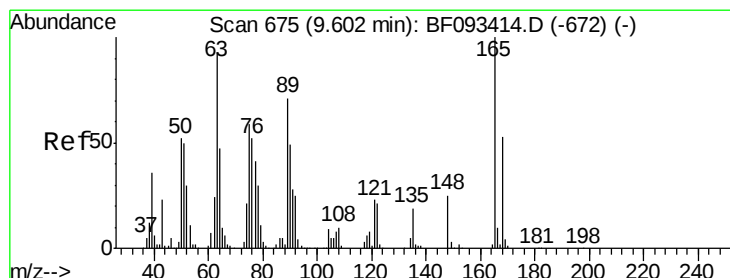
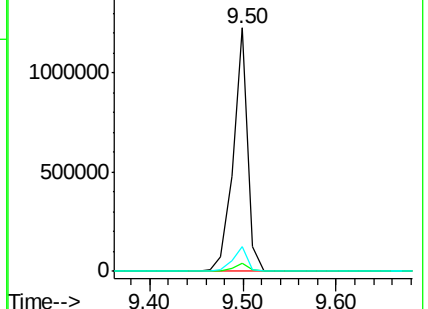
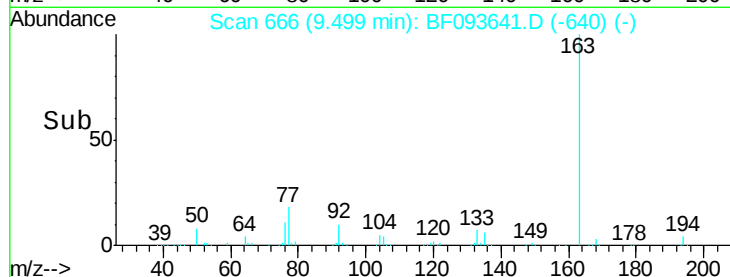
164 10.4 8.0 12.0



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: 47.64 ng

RT: 9.57 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

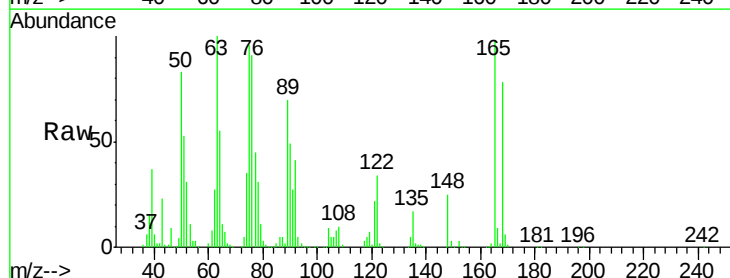
Tgt Ion:165 Resp: 239949

Ion Ratio Lower Upper

165 100

63 101.9 36.2 54.4#

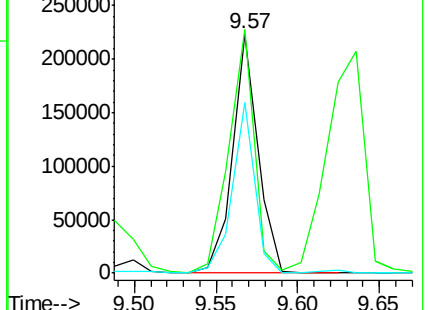
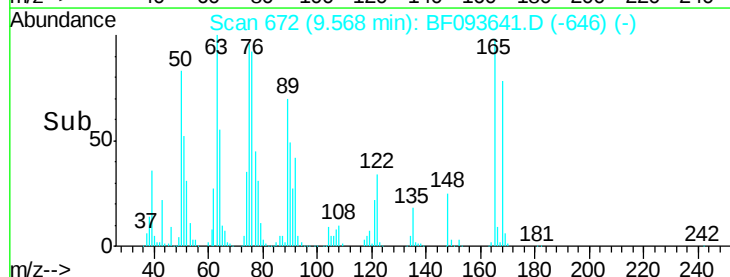
89 71.6 40.2 60.4#

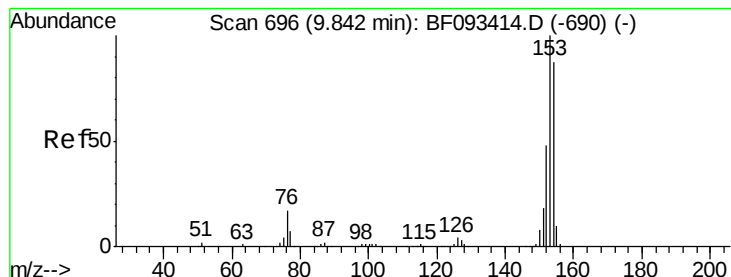


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 55.31 ng

RT: 9.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

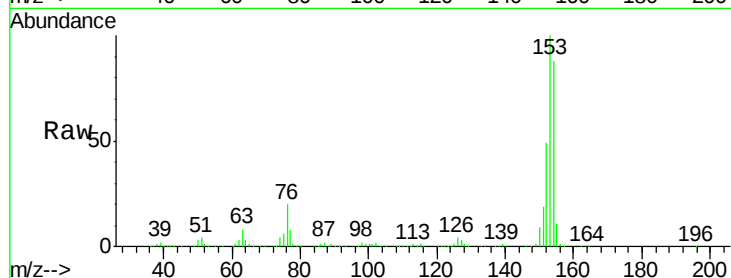
Tgt Ion:154 Resp: 1041612

Ion Ratio Lower Upper

154 100

153 113.7 88.6 133.0

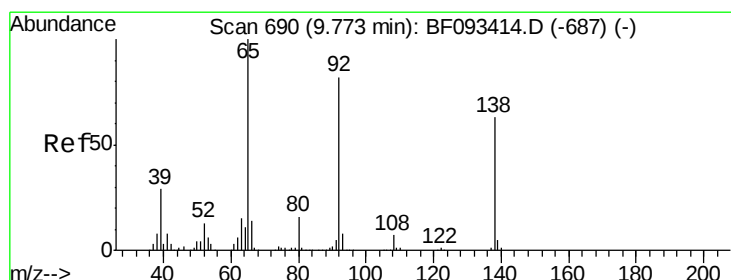
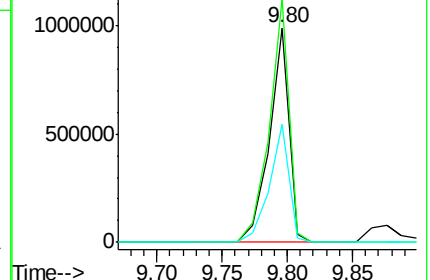
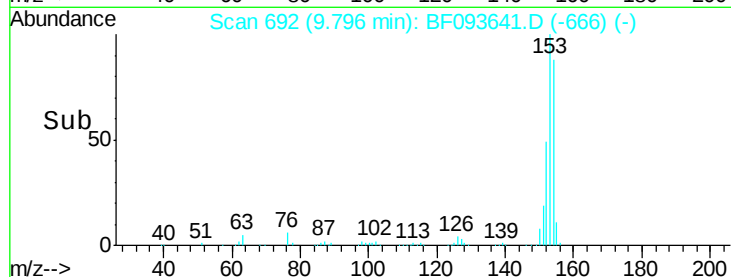
152 55.5 41.6 62.4



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: 23.24 ng

RT: 9.75 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

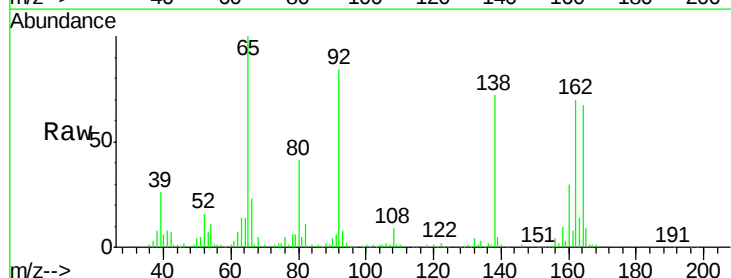
Tgt Ion:138 Resp: 140653

Ion Ratio Lower Upper

138 100

108 13.2 8.5 12.7#

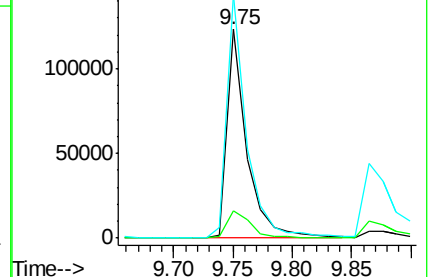
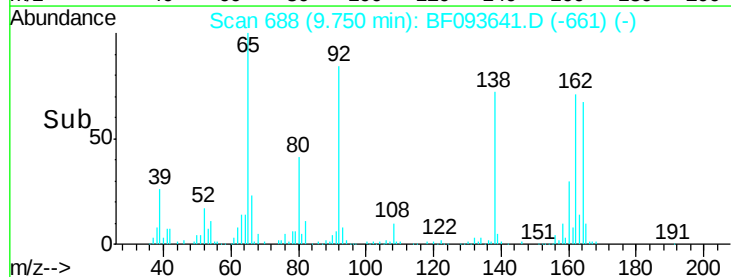
92 116.6 97.8 146.8

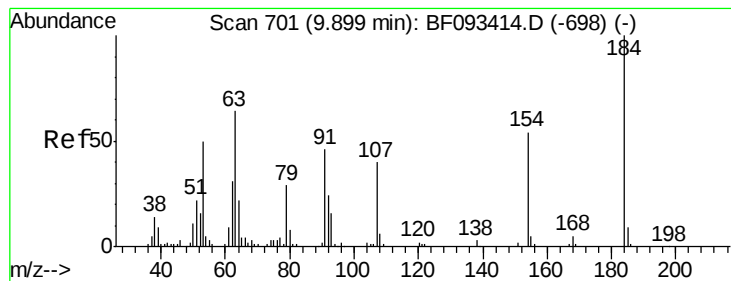


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 139.87 ng

RT: 9.88 min Scan# 699

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

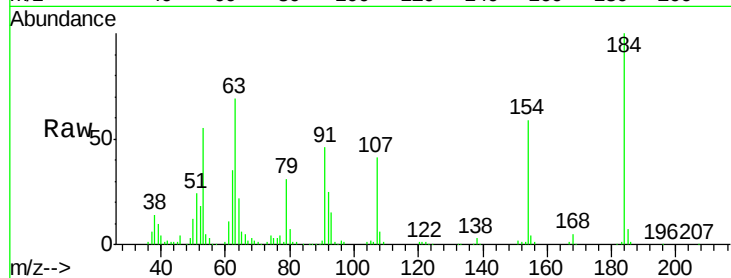
Tgt Ion:184 Resp: 320861

Ion Ratio Lower Upper

184 100

63 69.1 28.4 42.6#

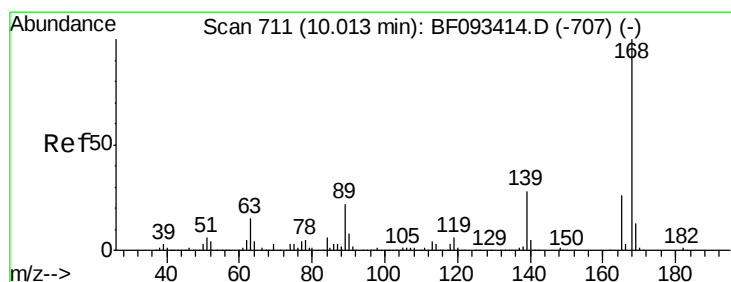
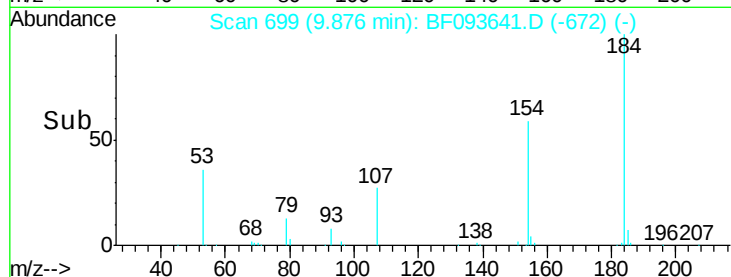
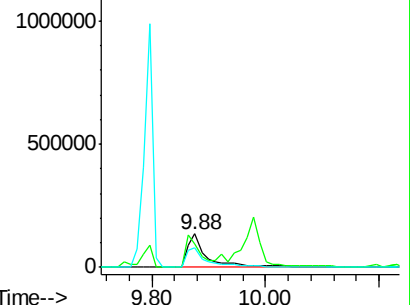
154 59.1 44.3 66.5



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: 57.20 ng

RT: 9.97 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

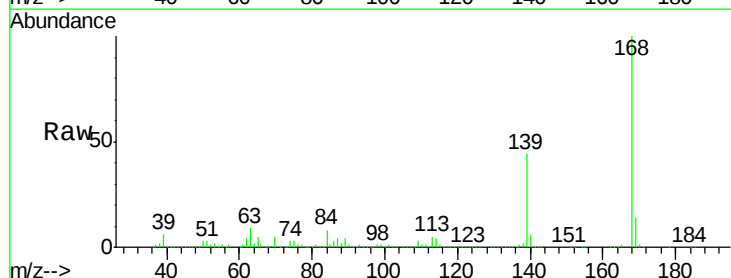
Tgt Ion:168 Resp: 1348079

Ion Ratio Lower Upper

168 100

139 44.2 32.6 49.0

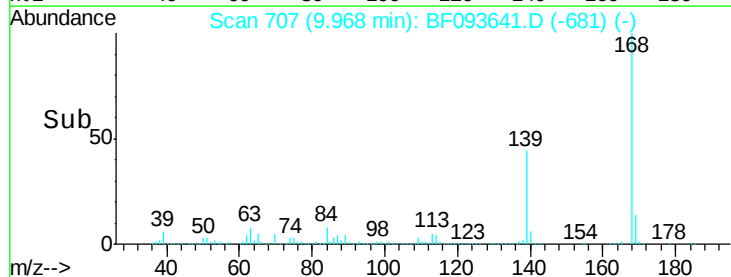
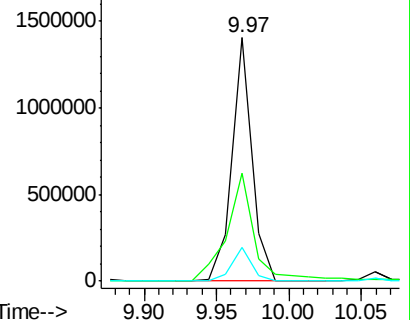
169 13.7 11.3 16.9

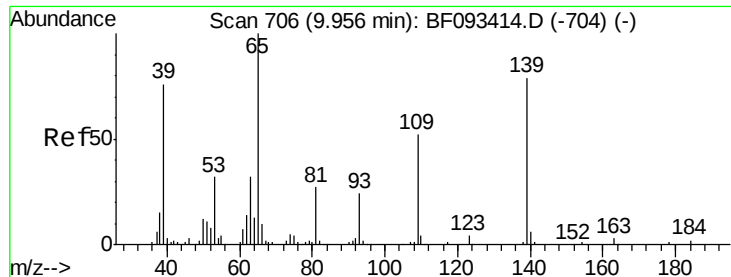


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

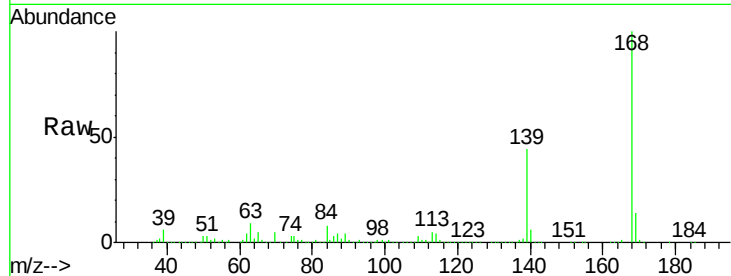




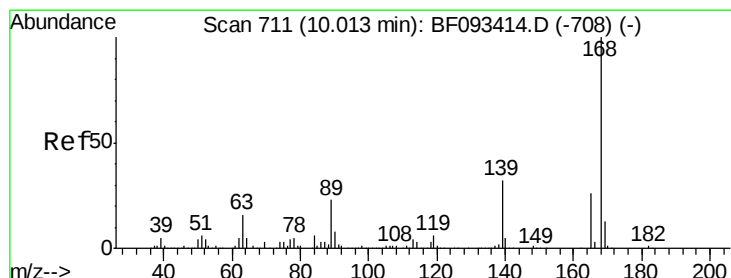
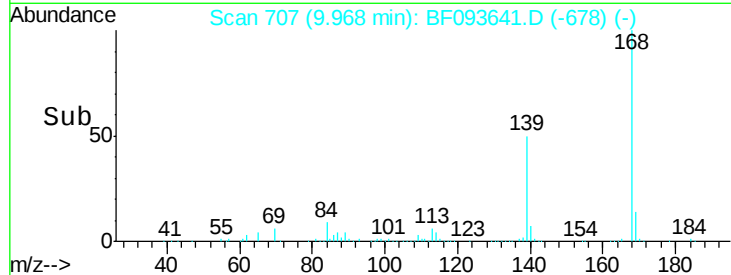
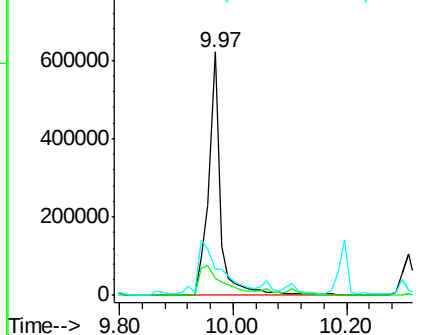
#55
4-Nitrophenol
Concen: 297.74 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.03 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tgt Ion:139 Resp: 875168
Ion Ratio Lower Upper
139 100
109 7.1 52.2 92.2#
65 10.5 85.8 125.8#

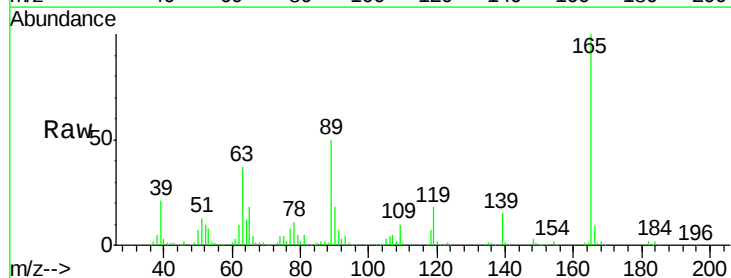


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

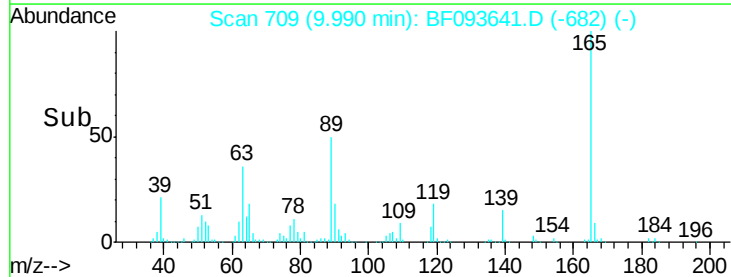
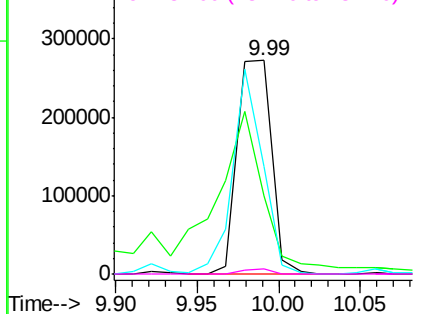


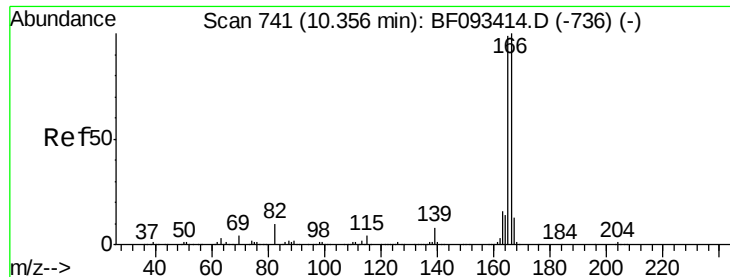
#56
2,4-Dinitrotoluene
Concen: 63.82 ng
RT: 9.99 min Scan# 709
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:165 Resp: 394958
Ion Ratio Lower Upper
165 100
63 36.8 40.2 60.4#
89 50.2 62.5 93.7#
182 2.5 1.8 2.8



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

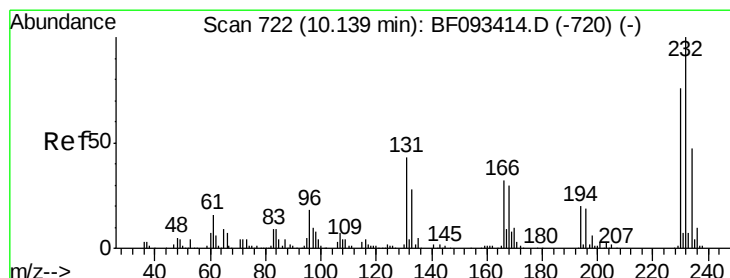
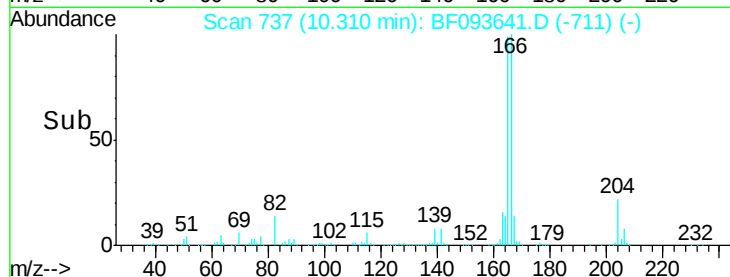
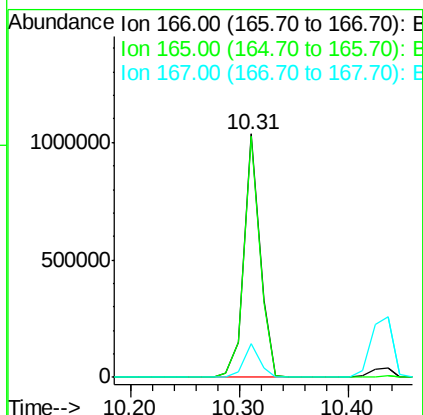
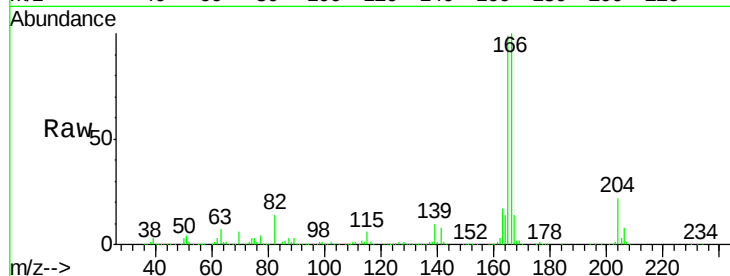




#57
Fluorene
 Concen: 52.99 ng
 RT: 10.31 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

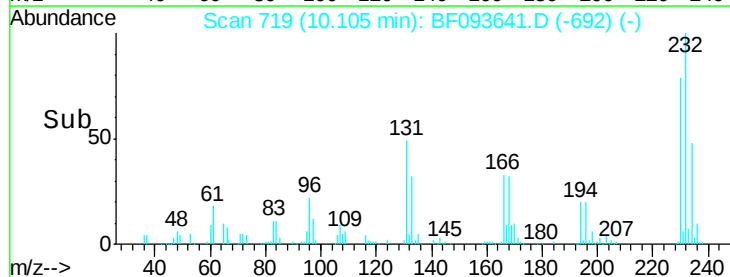
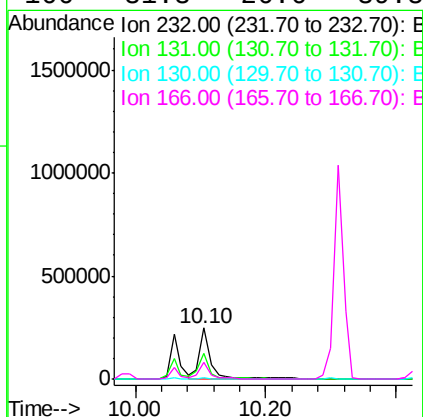
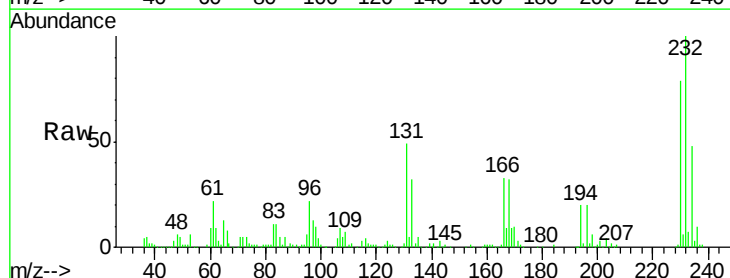
Instrument :
 BNA_F
 ClientSampled :
 D-112MSD

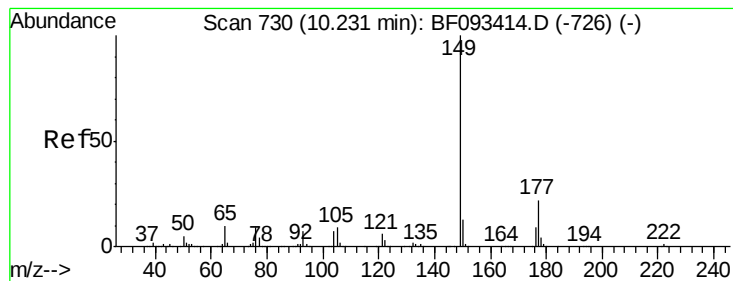
Tgt Ion:166 Resp: 1058398
 Ion Ratio Lower Upper
 166 100
 165 98.9 77.8 116.8
 167 13.7 10.8 16.2



#58
2,3,4,6-Tetrachlorophenol
 Concen: 66.96 ng
 RT: 10.10 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:232 Resp: 299565
 Ion Ratio Lower Upper
 232 100
 131 50.6 40.1 60.1
 130 2.6 1.8 2.8
 166 31.3 26.6 39.8





#59

Diethylphthalate

Concen: 56.63 ng

RT: 10.20 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

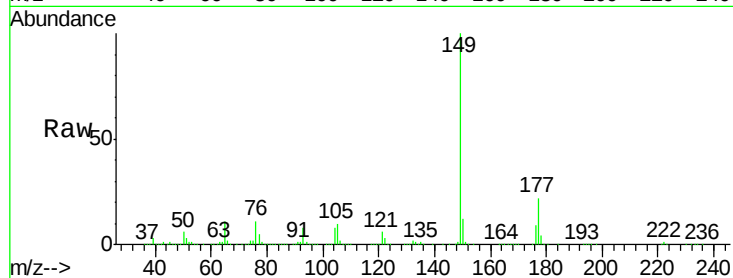
Tgt Ion:149 Resp: 1242371

Ion Ratio Lower Upper

149 100

177 21.5 16.6 25.0

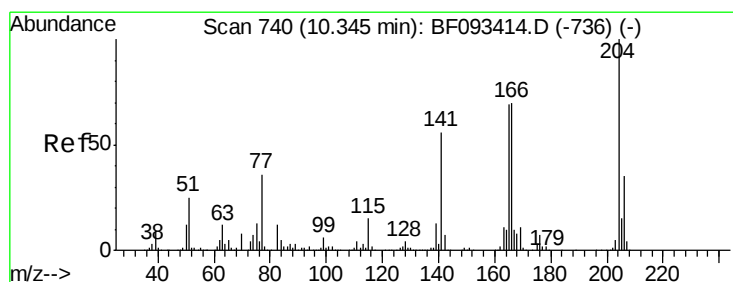
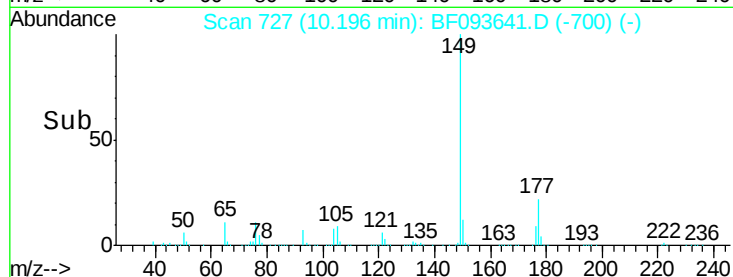
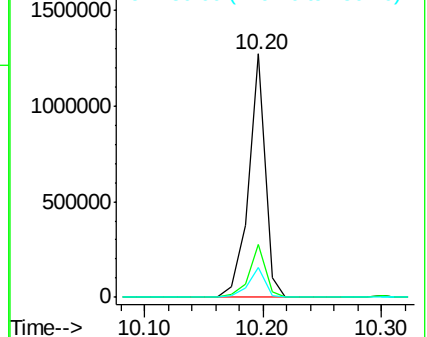
150 12.5 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 53.93 ng

RT: 10.30 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

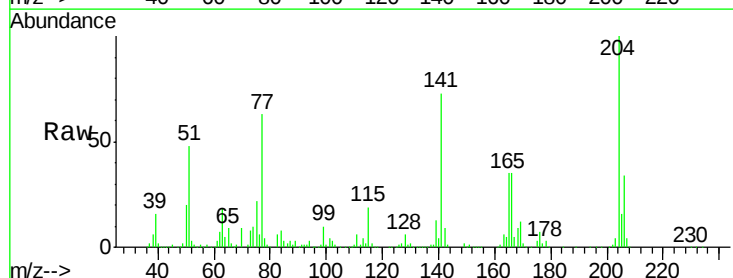
Tgt Ion:204 Resp: 482769

Ion Ratio Lower Upper

204 100

206 34.0 25.8 38.6

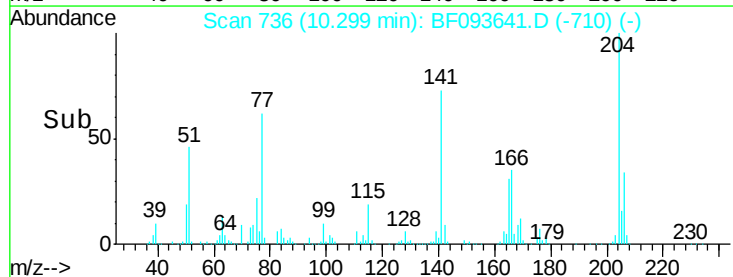
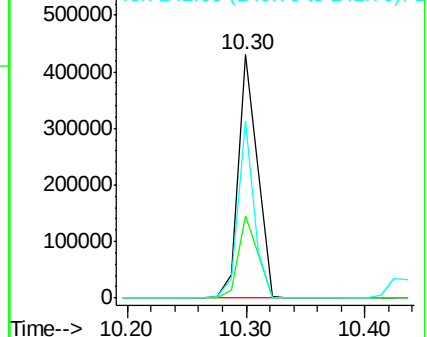
141 72.7 59.4 89.0

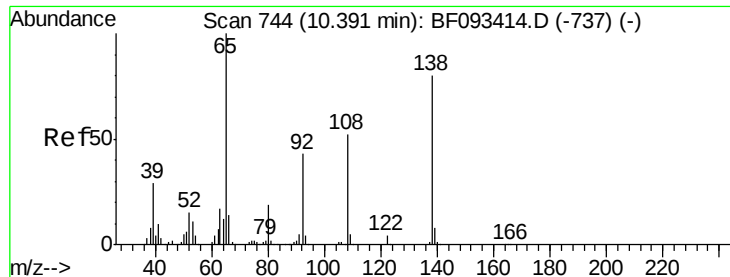


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.23 ng

RT: 10.37 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

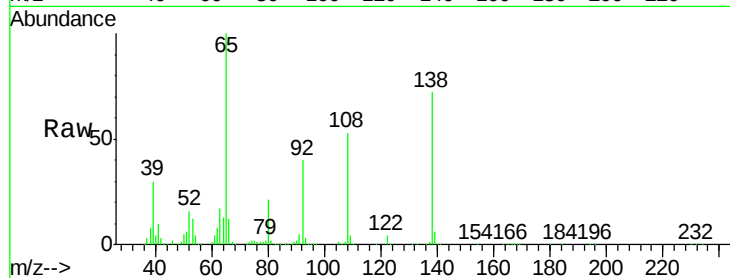
Tgt Ion:138 Resp: 224216

Ion Ratio Lower Upper

138 100

92 55.3 31.7 71.7

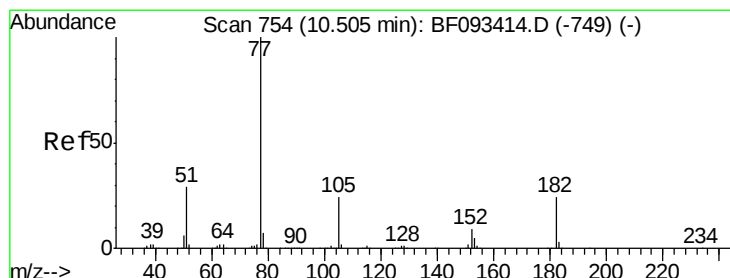
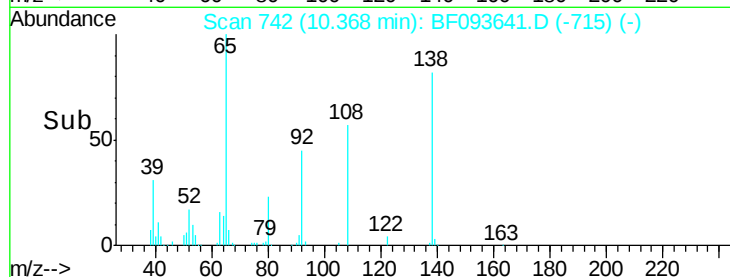
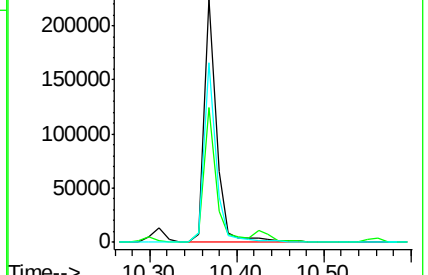
108 73.7 52.6 92.6



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: 63.96 ng

RT: 10.46 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Tgt Ion: 77 Resp: 1594610

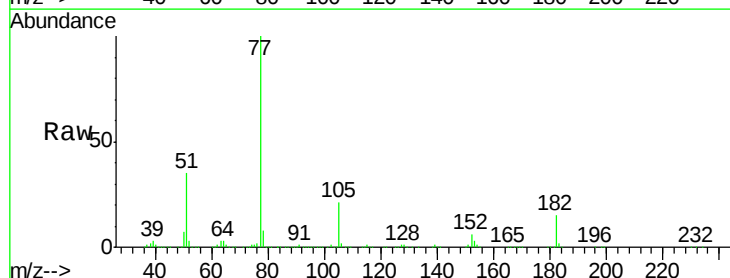
Ion Ratio Lower Upper

77 100

182 14.8 0.0 39.3

105 20.8 2.3 42.3

51 35.3 8.9 48.9

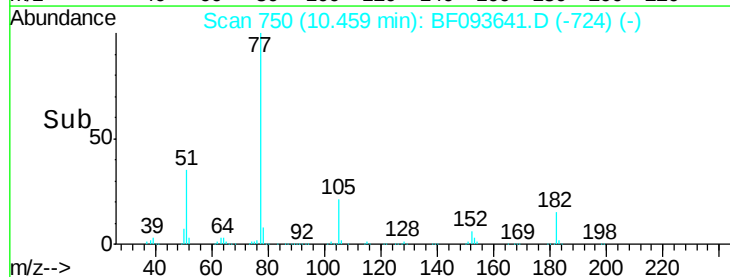
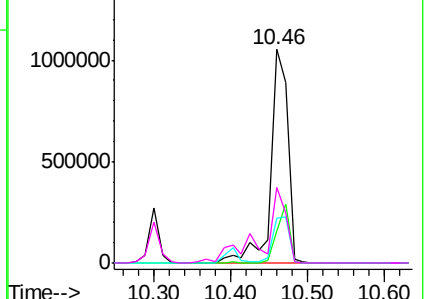


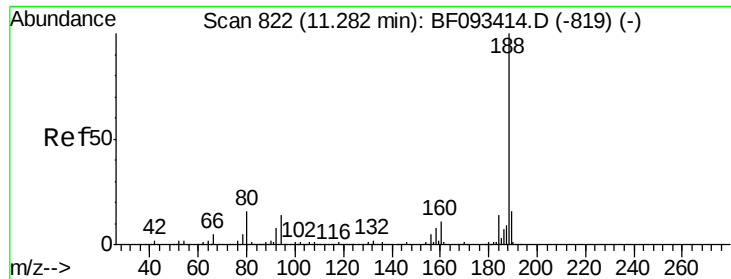
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

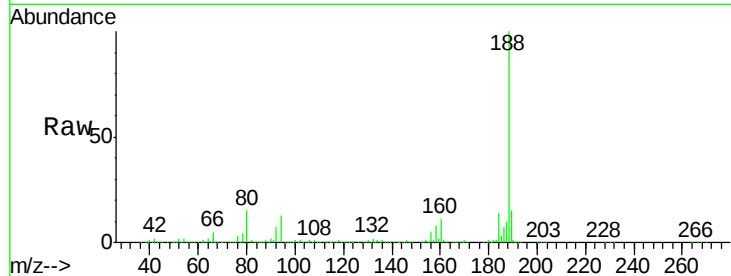




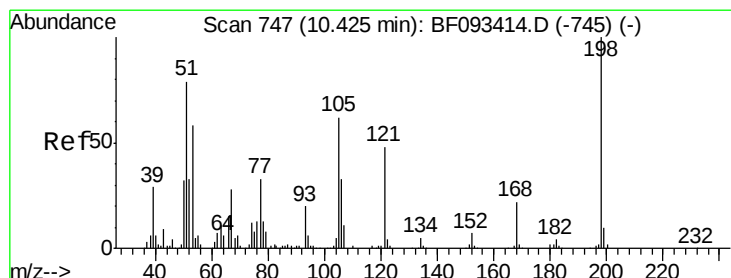
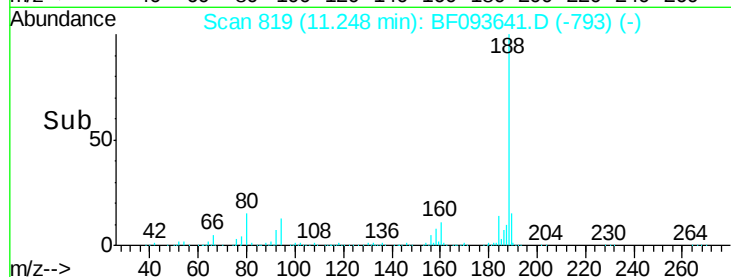
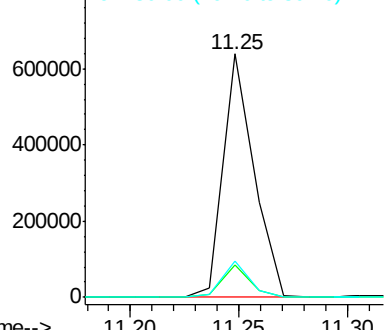
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tgt Ion:188 Resp: 628613
Ion Ratio Lower Upper
188 100
94 13.5 10.0 15.0
80 14.7 11.2 16.8

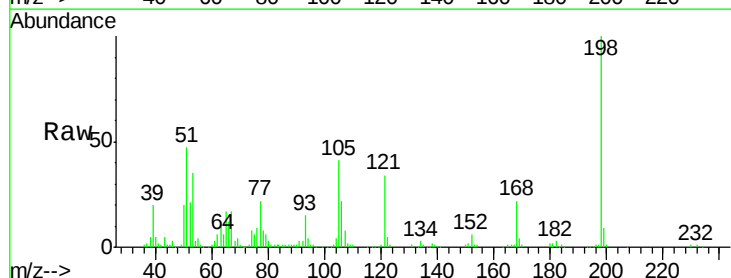


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

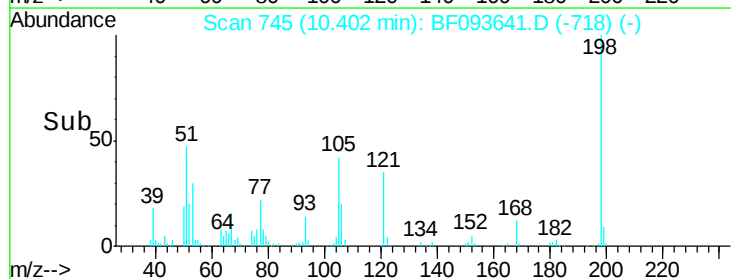
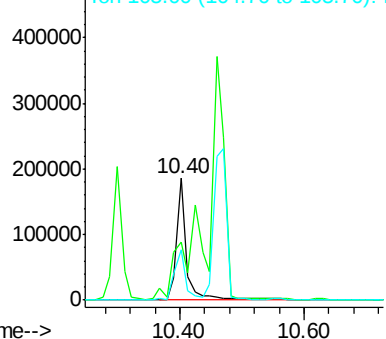


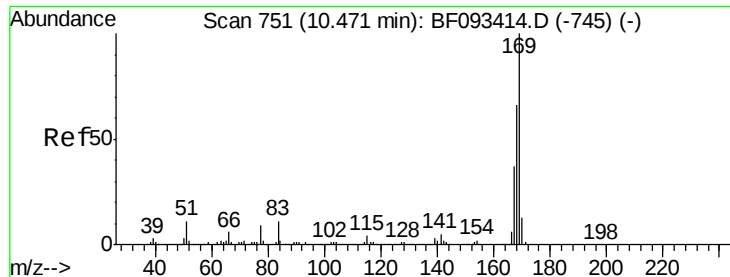
#64
4,6-Dinitro-2-methylphenol
Concen: 52.73 ng
RT: 10.40 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:198 Resp: 214762
Ion Ratio Lower Upper
198 100
51 47.2 6.7 46.7#
105 41.4 16.6 56.6



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

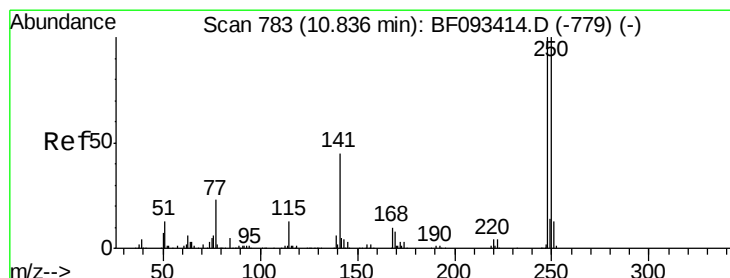
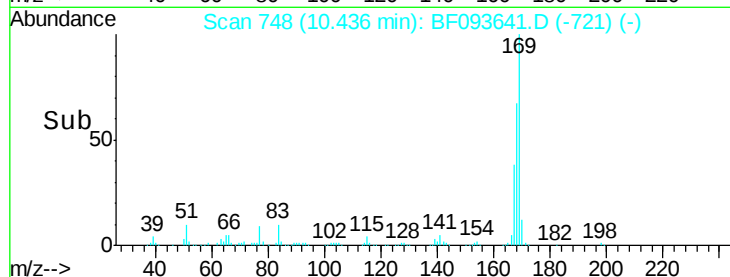
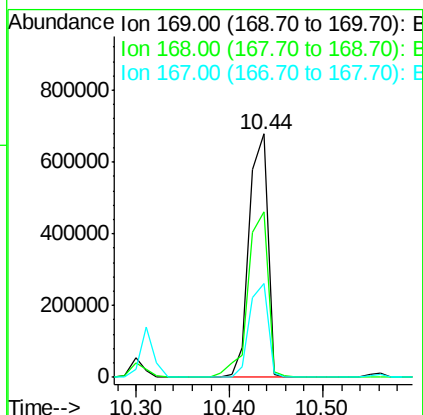
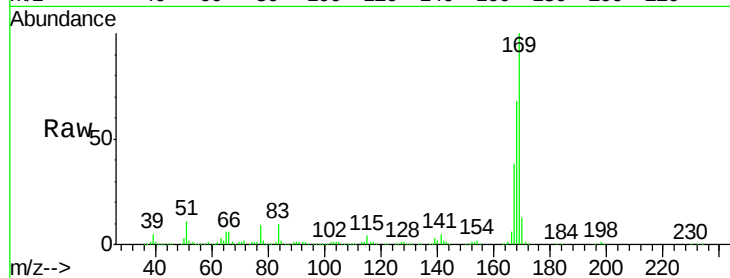




#65
 n-Nitrosodiphenylamine
 Concen: 44.66 ng
 RT: 10.44 min Scan# 748
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

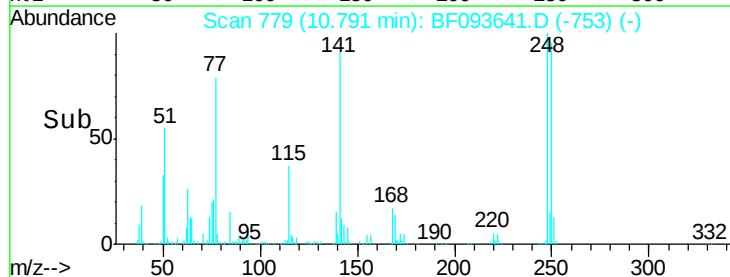
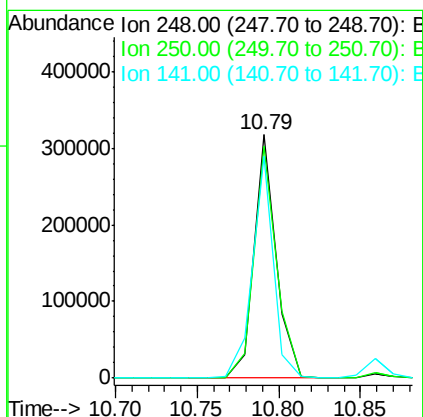
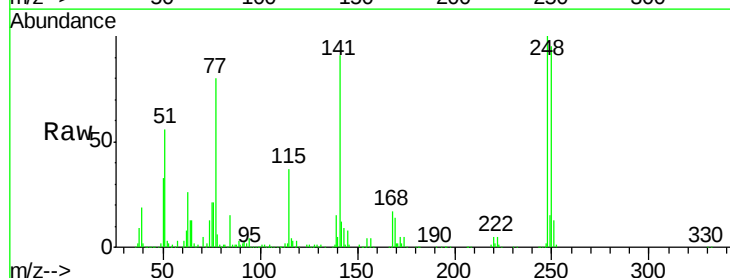
Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

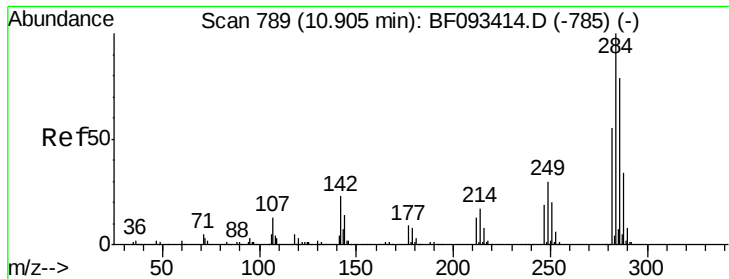
Tgt Ion:169 Resp: 937512
 Ion Ratio Lower Upper
 169 100
 168 67.8 54.2 81.2
 167 38.4 30.2 45.4



#66
 4-Bromophenyl-phenylether
 Concen: 45.18 ng
 RT: 10.79 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion:248 Resp: 300300
 Ion Ratio Lower Upper
 248 100
 250 95.1 76.9 115.3
 141 91.1 68.2 102.4

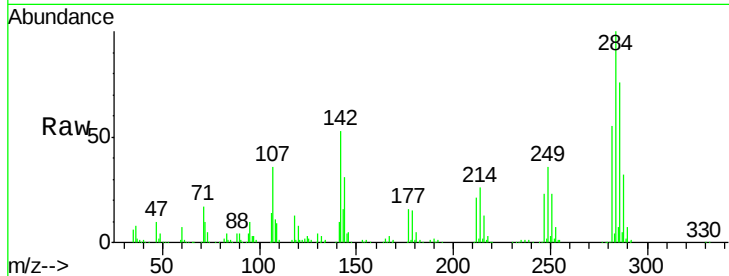




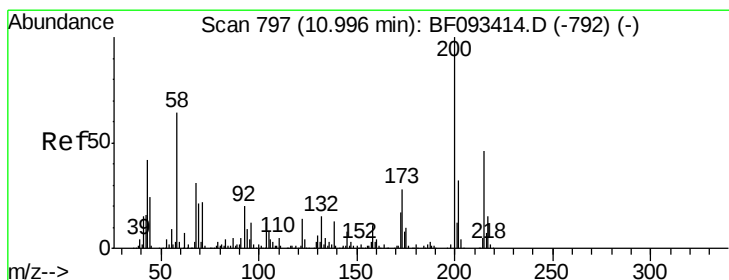
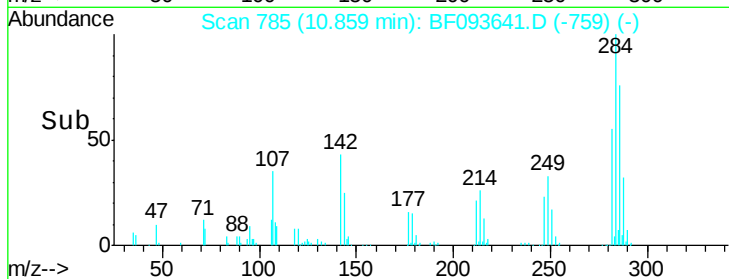
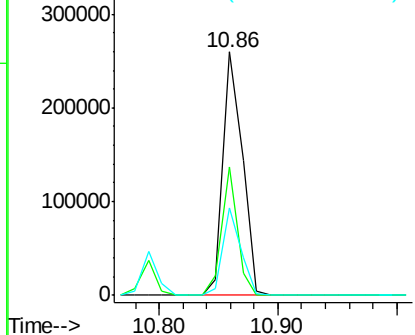
#67
Hexachlorobenzene
Concen: 46.13 ng
RT: 10.86 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Instrument :
BNA_F
ClientSampleId :
D-112MSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	52.5	22.6	33.8#
249	36.1	25.4	38.0

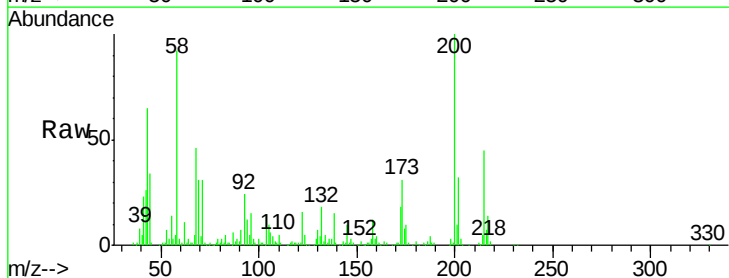


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

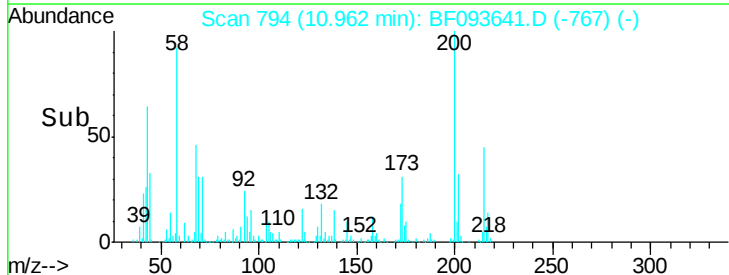
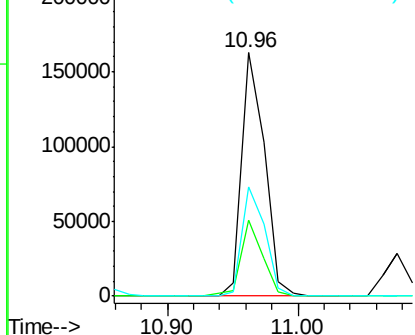


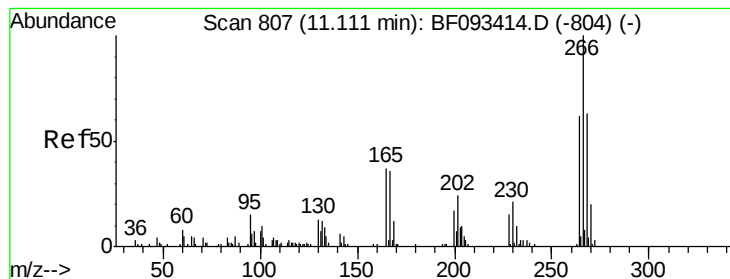
#68
Atrazine
Concen: 32.14 ng
RT: 10.96 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion	Ratio	Lower	Upper
200	100		
173	31.0	9.6	49.6
215	45.0	25.7	65.7



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 106.30 ng

RT: 11.08 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

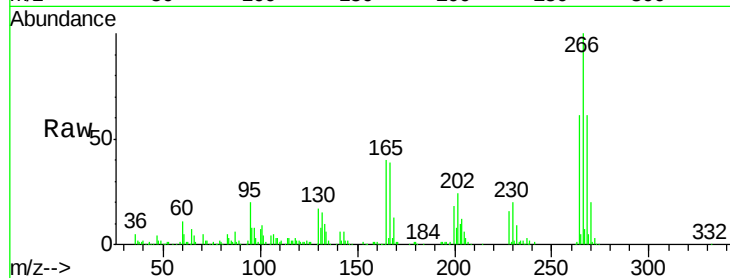
Tgt Ion:266 Resp: 232957

Ion Ratio Lower Upper

266 100

268 61.4 53.3 79.9

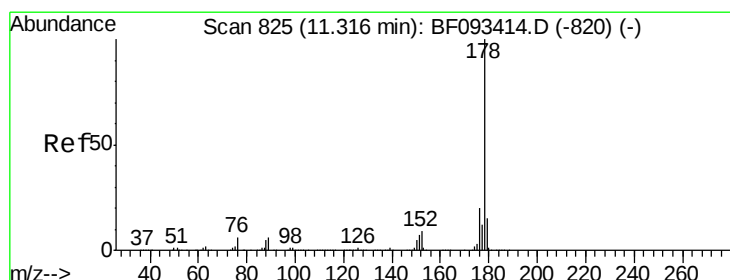
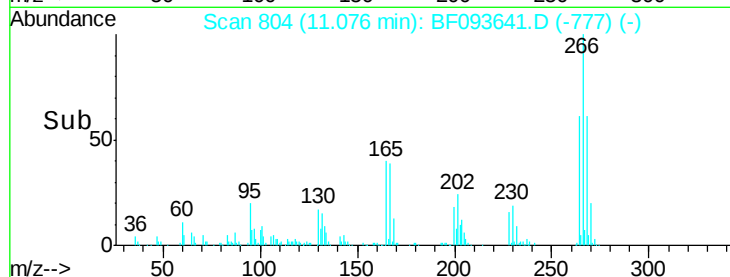
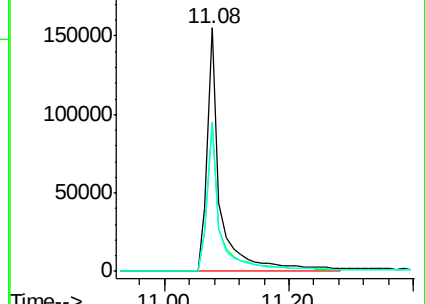
264 61.3 50.3 75.5



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: 47.31 ng

RT: 11.27 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

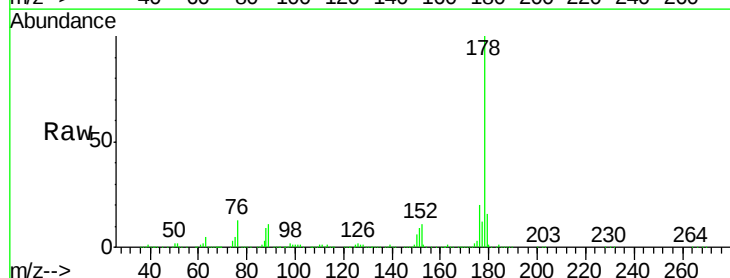
Tgt Ion:178 Resp: 1697562

Ion Ratio Lower Upper

178 100

176 20.4 16.6 25.0

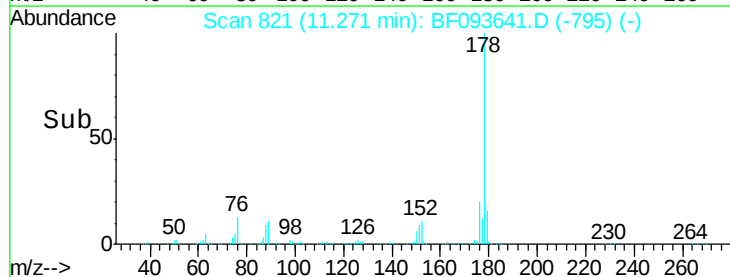
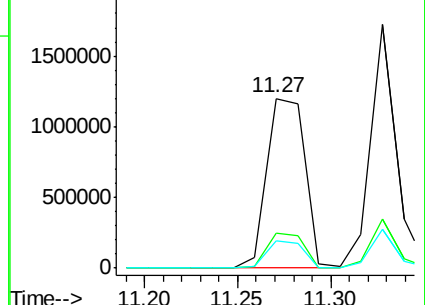
179 16.0 12.8 19.2

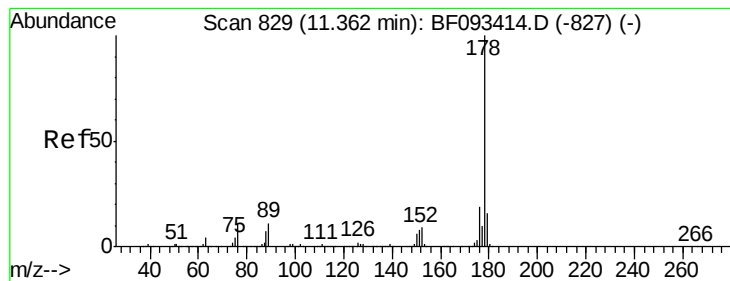


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 44.89 ng

RT: 11.33 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

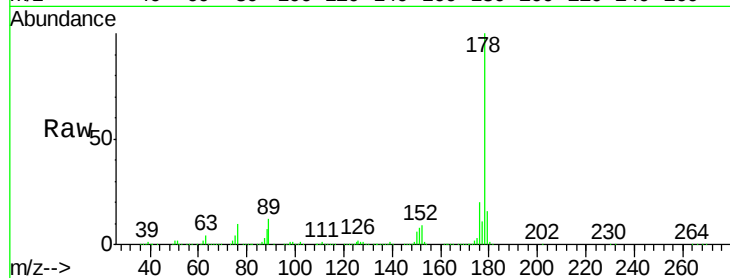
Tgt Ion:178 Resp: 1629205

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

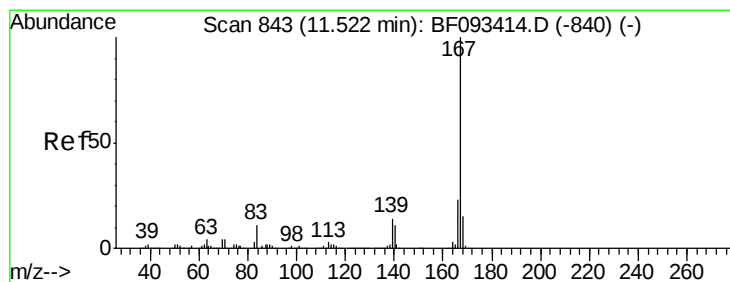
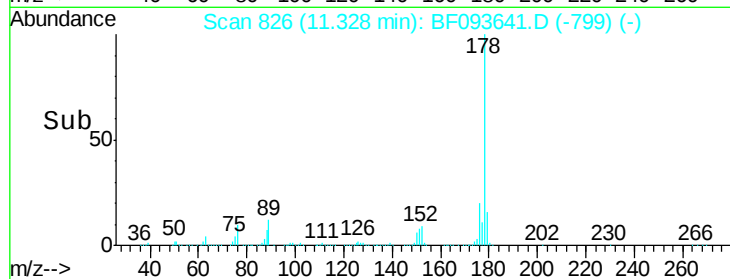
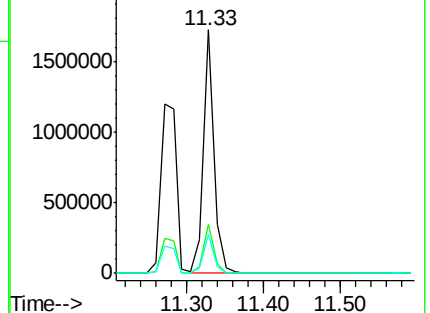
179 16.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 43.94 ng

RT: 11.50 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

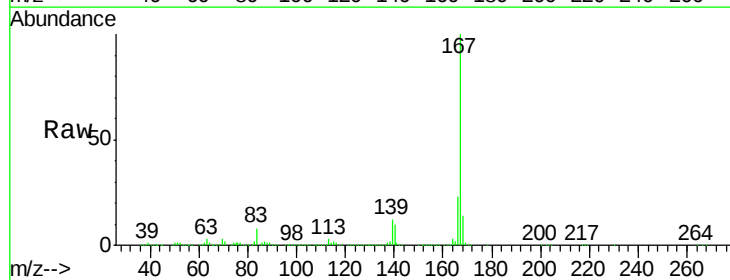
Tgt Ion:167 Resp: 1498224

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.2

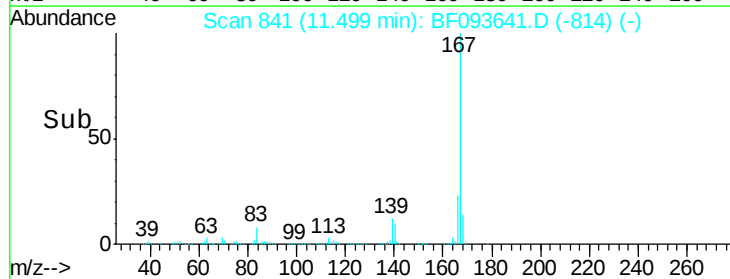
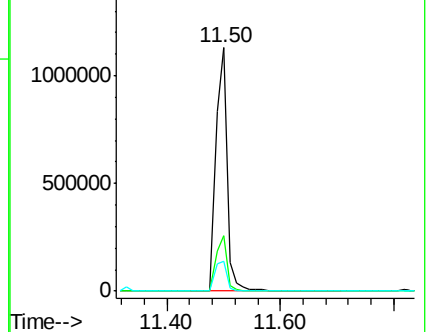
139 12.5 11.4 17.2

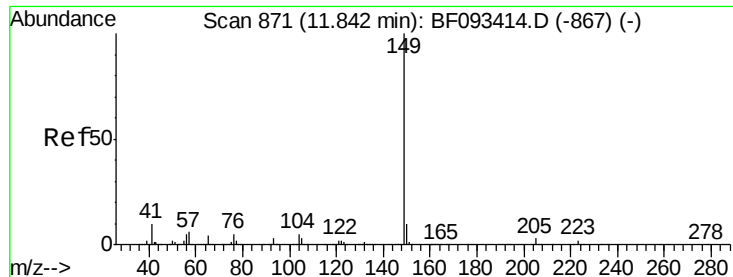


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 53.07 ng

RT: 11.82 min Scan# 869

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

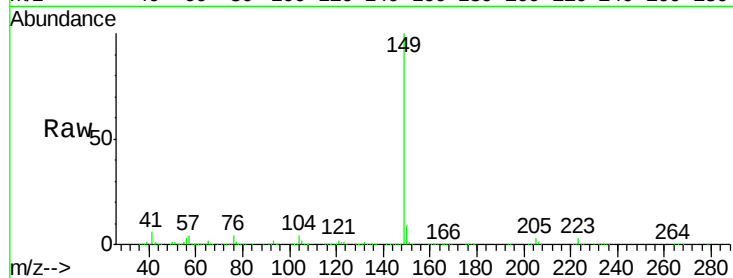
Tgt Ion:149 Resp: 2093717

Ion Ratio Lower Upper

149 100

150 9.2 8.1 12.1

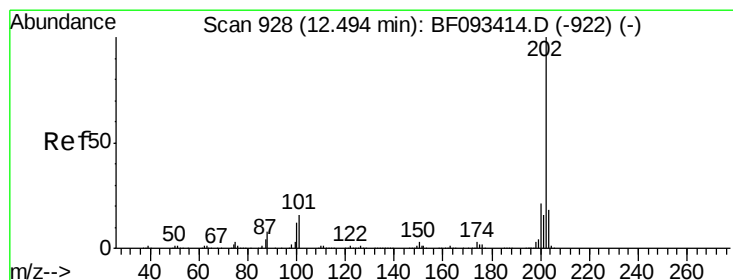
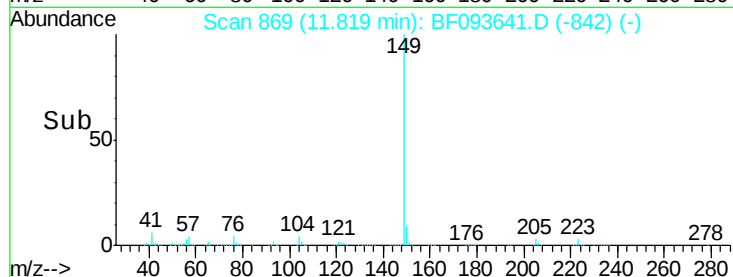
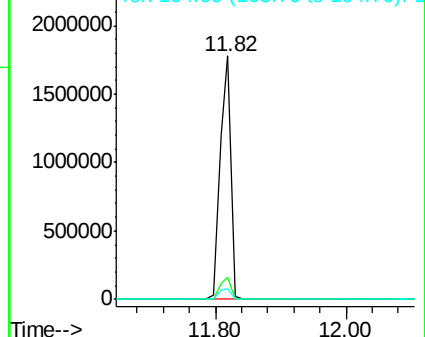
104 4.3 4.6 7.0#



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: 49.95 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

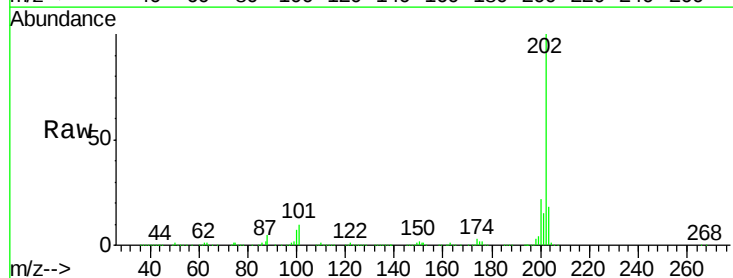
Tgt Ion:202 Resp: 1731217

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.6

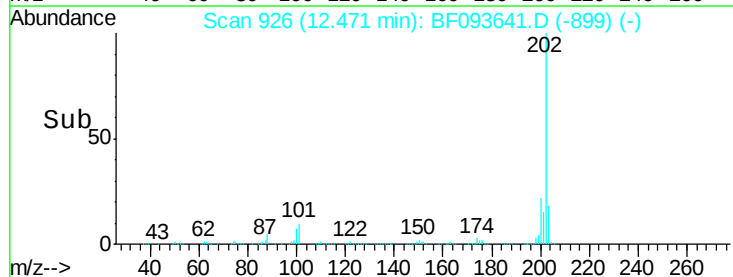
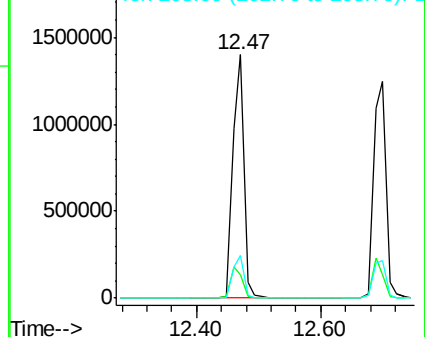
203 17.6 0.0 38.7

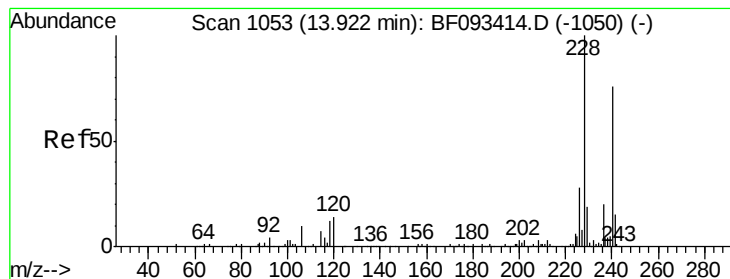


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

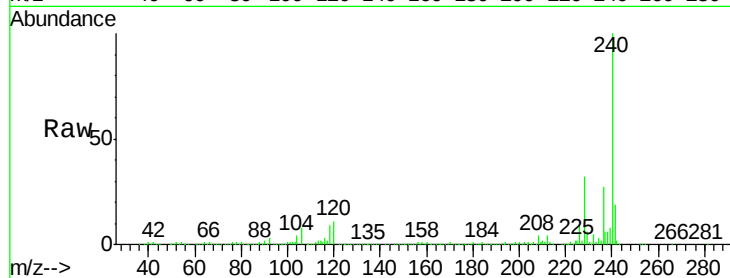
Tgt Ion:240 Resp: 481675

Ion Ratio Lower Upper

240 100

120 11.2 12.9 19.3#

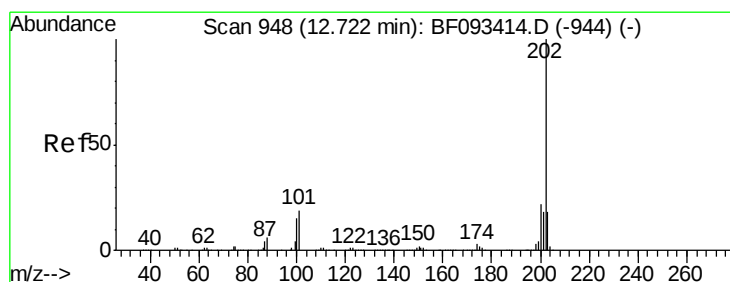
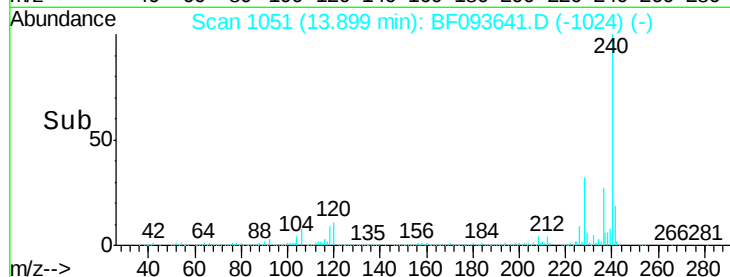
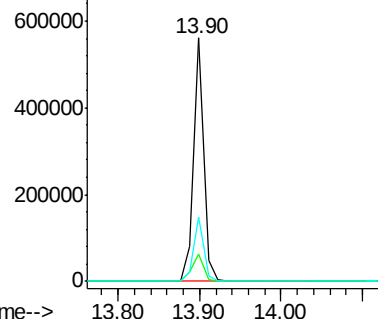
236 26.6 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 48.79 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

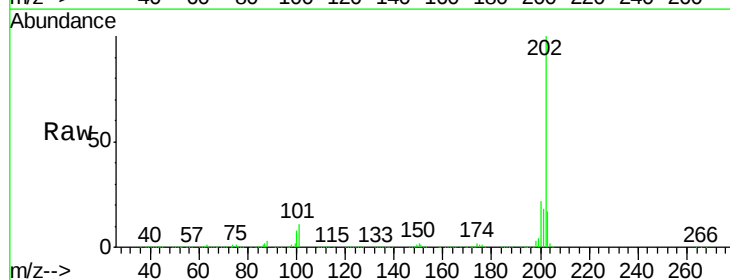
Tgt Ion:202 Resp: 1709121

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

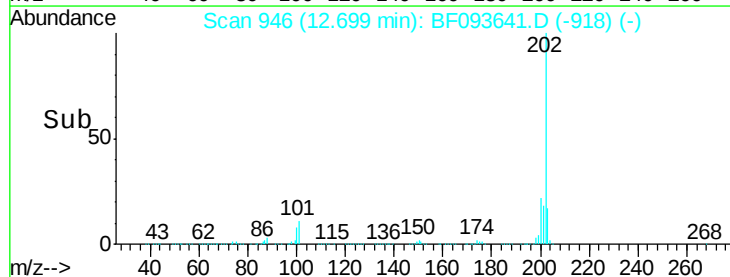
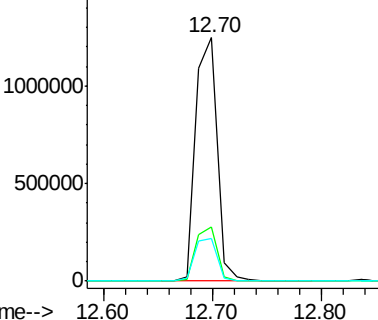
203 17.4 14.7 22.1

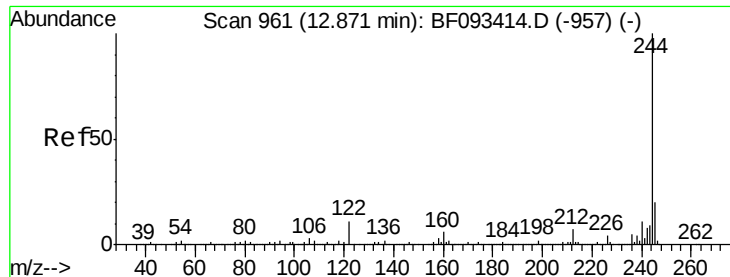


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

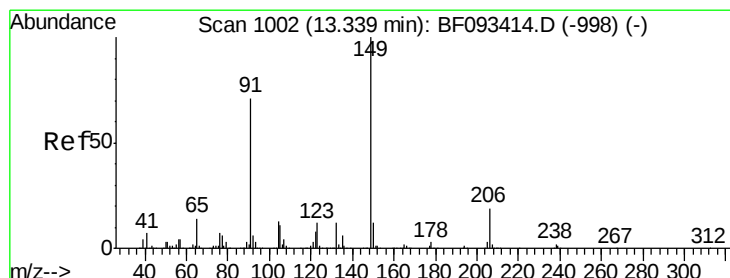
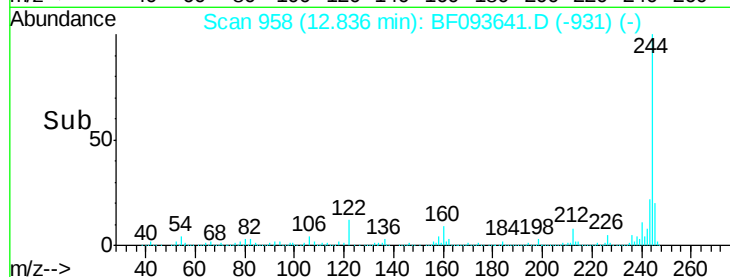
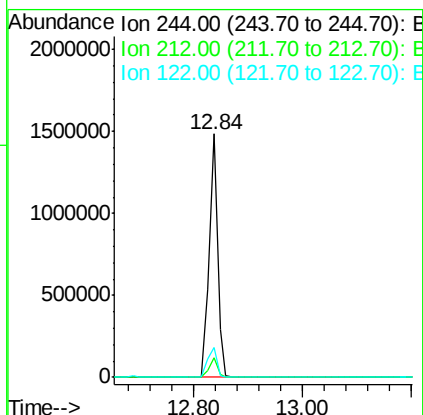
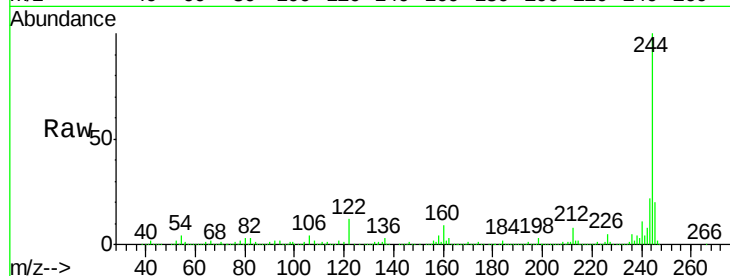




#78
 Terphenyl-d14
 Concen: 87.01 ng
 RT: 12.84 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

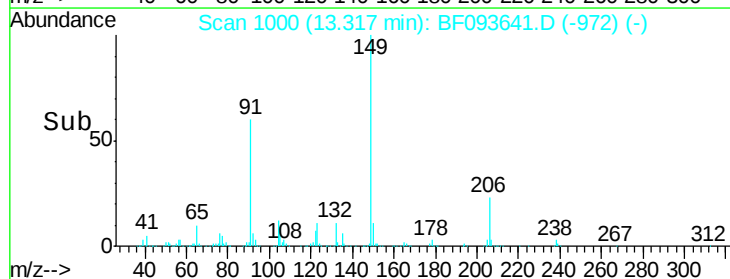
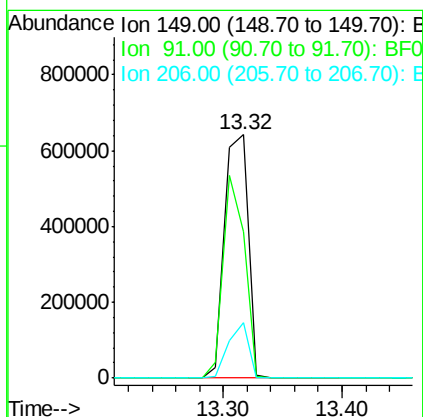
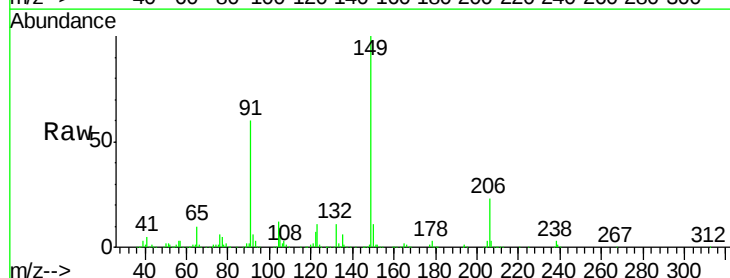
Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

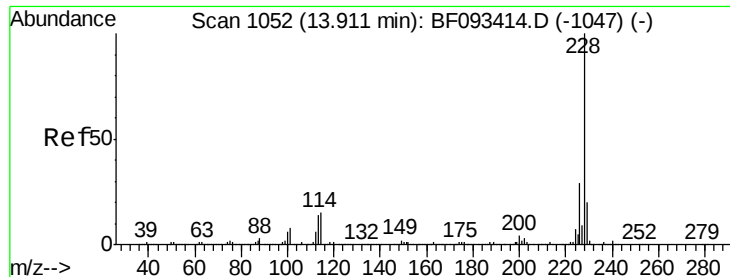
Tgt Ion: 244 Resp: 1612005
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 12.2 11.4 17.2



#79
 Butylbenzylphthalate
 Concen: 60.12 ng
 RT: 13.32 min Scan# 1000
 Delta R.T. 0.02 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion: 149 Resp: 886561
 Ion Ratio Lower Upper
 149 100
 91 60.1 63.9 95.9#
 206 22.9 14.6 21.8#





#80

Benzo(a)anthracene

Concen: 47.94 ng

RT: 13.89 min Scan# 1050

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

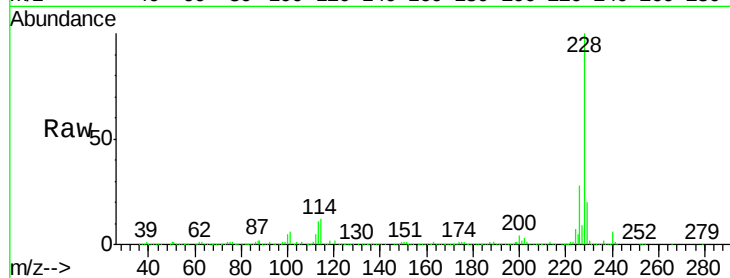
Tgt Ion:228 Resp: 1363594

Ion Ratio Lower Upper

228 100

226 28.4 22.4 33.6

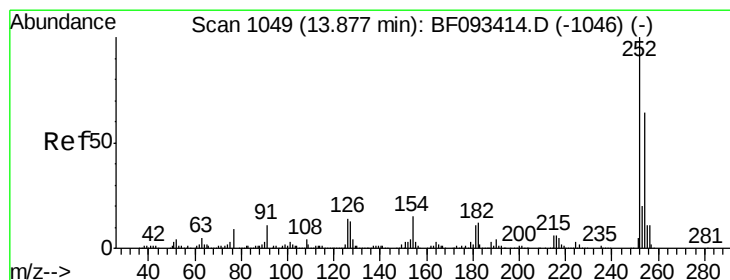
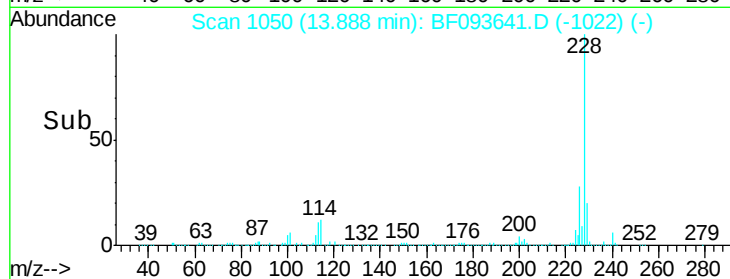
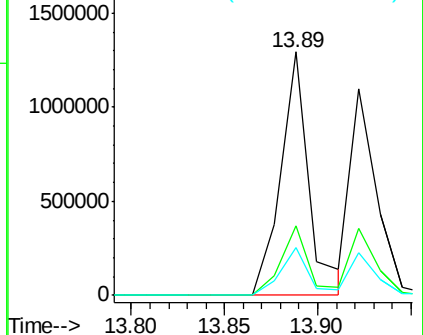
229 19.8 16.2 24.4



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



#81

3,3'-Dichlorobenzidine

Concen: 8.80 ng

RT: 13.85 min Scan# 1047

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

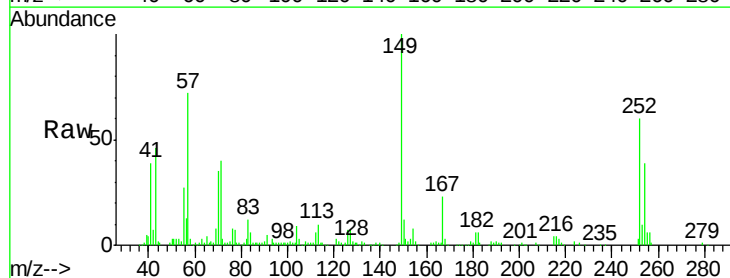
Tgt Ion:252 Resp: 87636

Ion Ratio Lower Upper

252 100

254 65.3 52.3 78.5

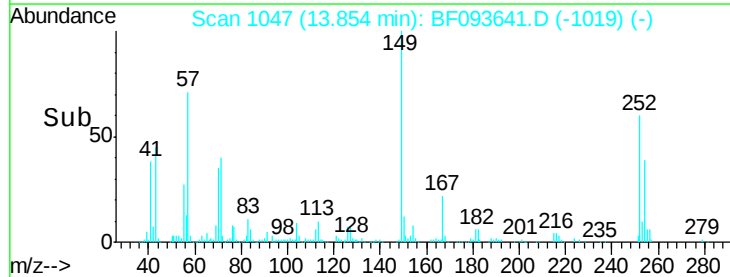
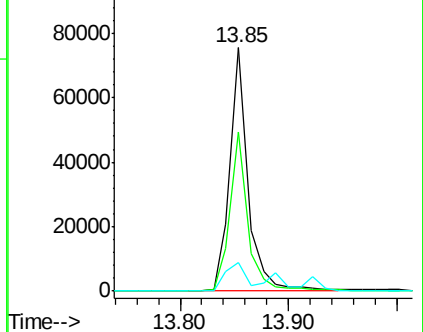
126 12.0 13.6 20.4#

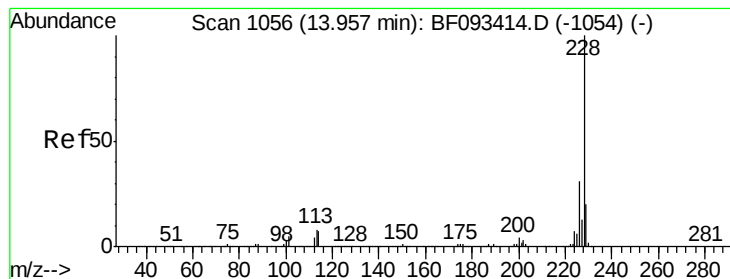


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 42.35 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

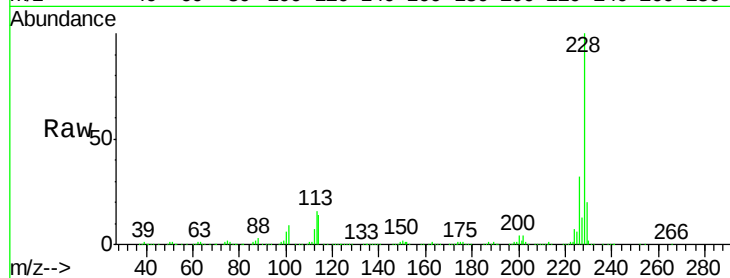
Tgt Ion:228 Resp: 1114591

Ion Ratio Lower Upper

228 100

226 32.1 25.4 38.0

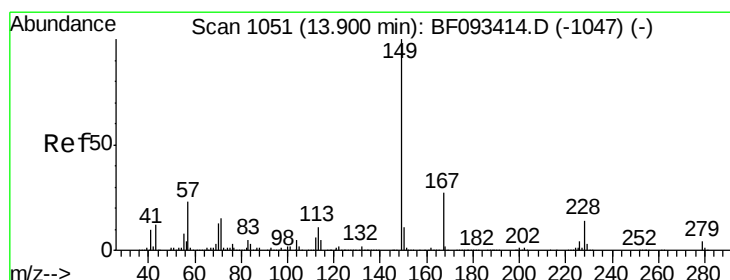
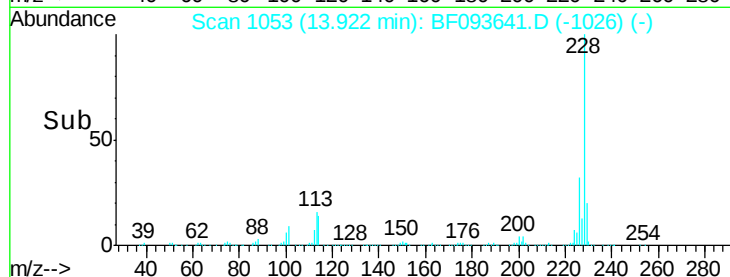
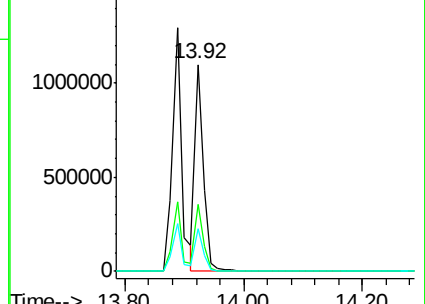
229 20.4 16.2 24.2



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: 54.66 ng

RT: 13.87 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

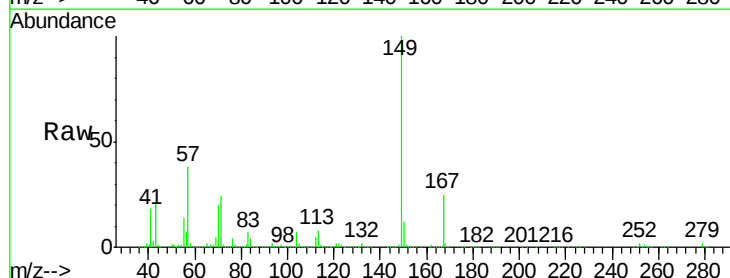
Tgt Ion:149 Resp: 1123460

Ion Ratio Lower Upper

149 100

167 25.2 20.2 30.4

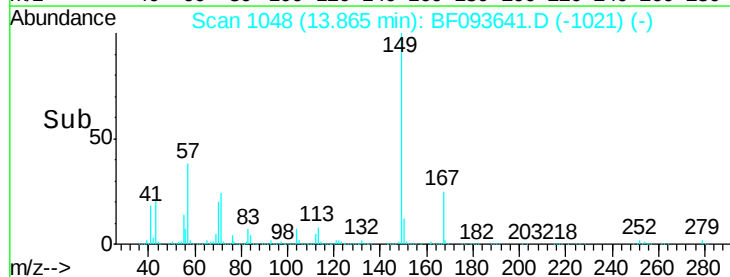
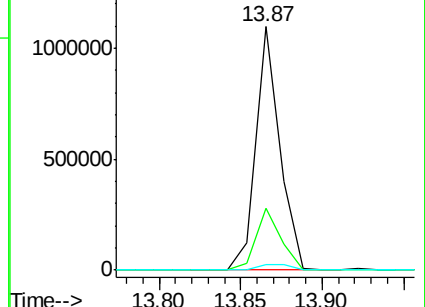
279 2.1 1.8 2.8

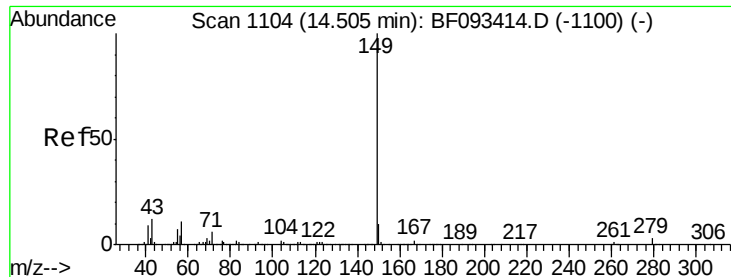


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

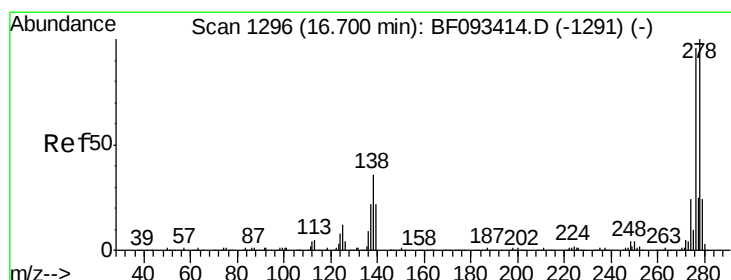
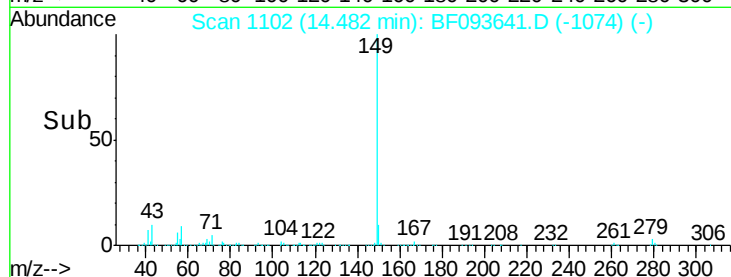
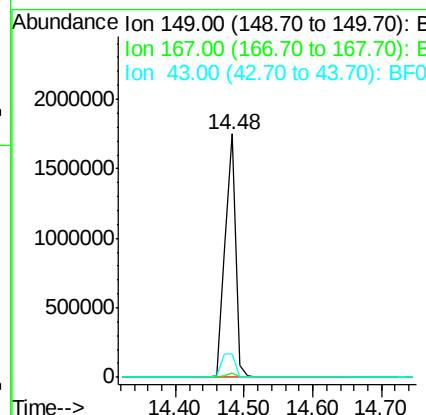
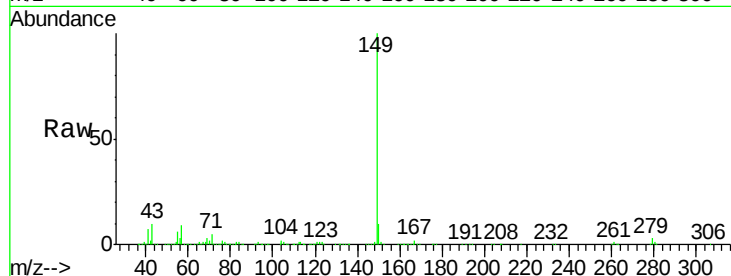




#84
Di-n-octyl phthalate
Concen: 56.28 ng
RT: 14.48 min Scan# 1102
Delta R.T. 0.02 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

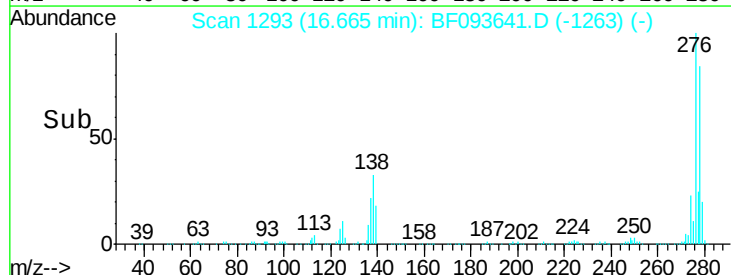
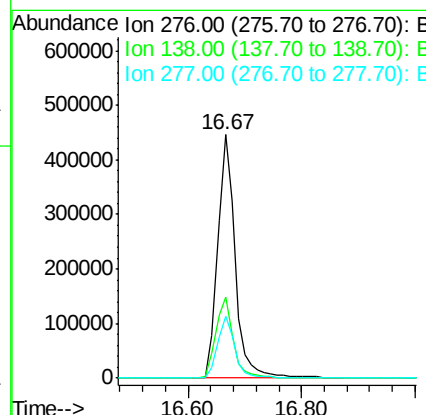
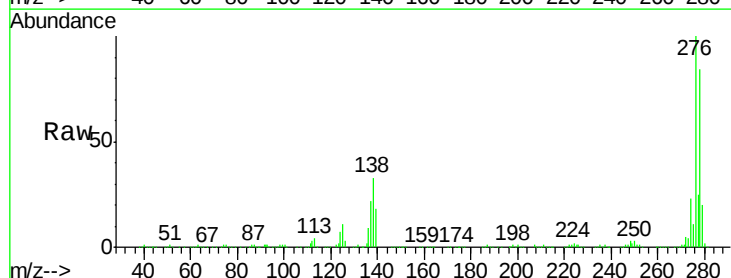
Instrument :
BNA_F
ClientSampleId :
D-112MSD

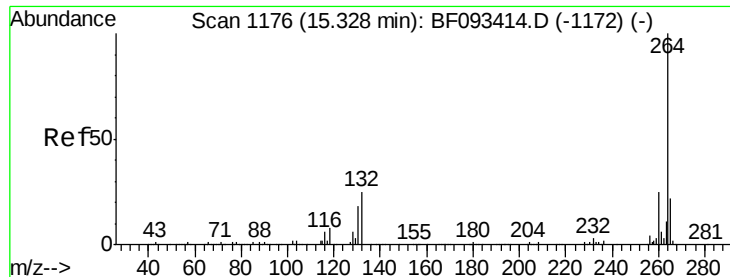
Tgt Ion:149 Resp: 1928115
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.5 8.9 13.3



#85
Indeno(1,2,3-cd)pyrene
Concen: 42.99 ng
RT: 16.67 min Scan# 1293
Delta R.T. 0.05 min
Lab File: BF093641.D
Acq: 14 Mar 2017 7:06

Tgt Ion:276 Resp: 947023
Ion Ratio Lower Upper
276 100
138 33.1 21.8 32.6#
277 25.0 20.2 30.4

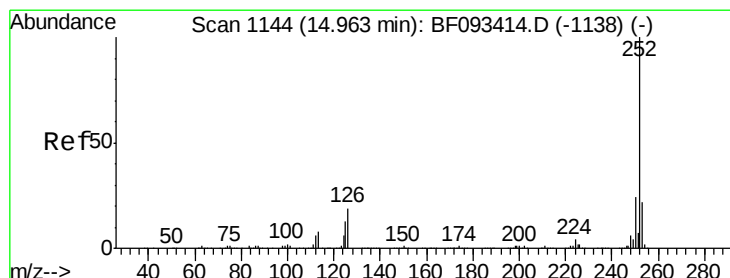
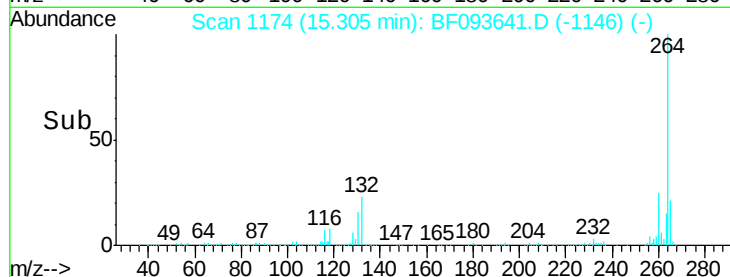
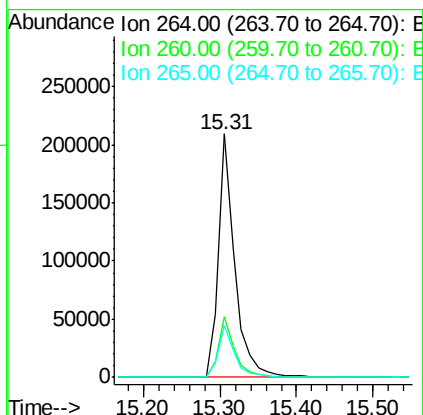
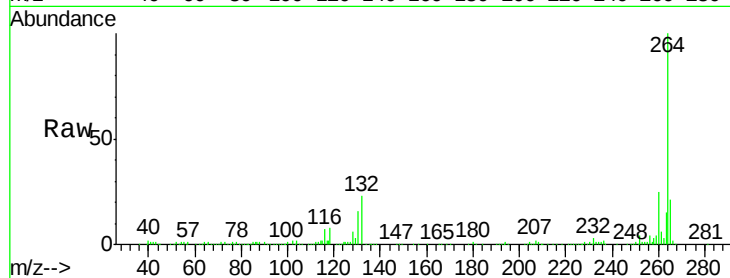




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

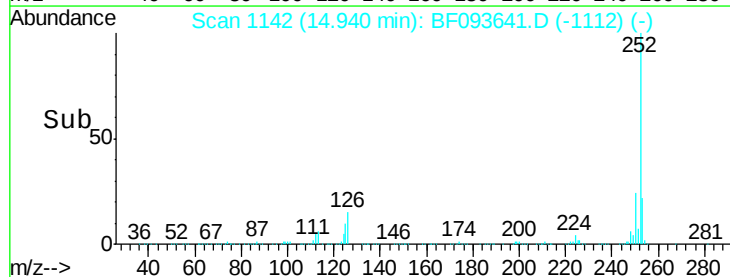
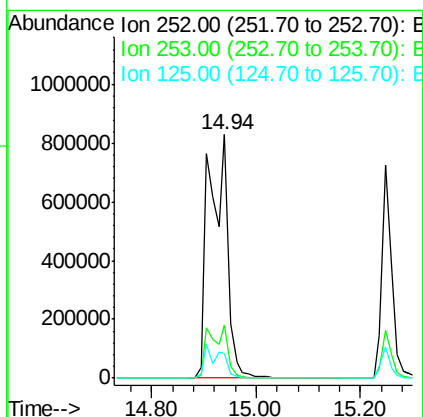
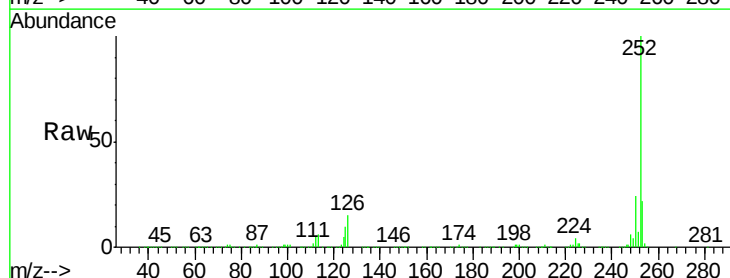
Instrument :
 BNA_F
 ClientSampleId :
 D-112MSD

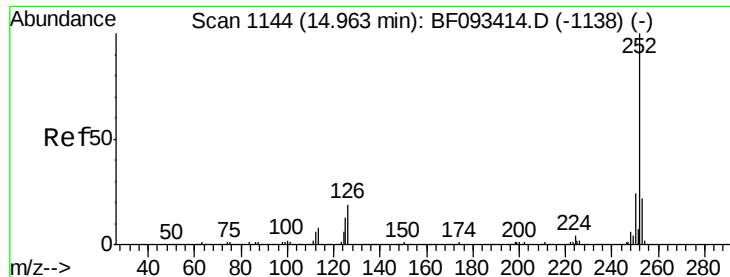
Tgt Ion: 264 Resp: 313087
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.2 28.8
 265 21.4 17.4 26.0



#87
 Benzo(b)fluoranthene
 Concen: 110.42 ng
 RT: 14.94 min Scan# 1142
 Delta R.T. 0.05 min
 Lab File: BF093641.D
 Acq: 14 Mar 2017 7:06

Tgt Ion: 252 Resp: 2105530
 Ion Ratio Lower Upper
 252 100
 253 22.0 18.2 27.4
 125 10.0 9.8 14.6





#88

Benzo(k)fluoranthene

Concen: 114.59 ng

RT: 14.94 min Scan# 1142

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

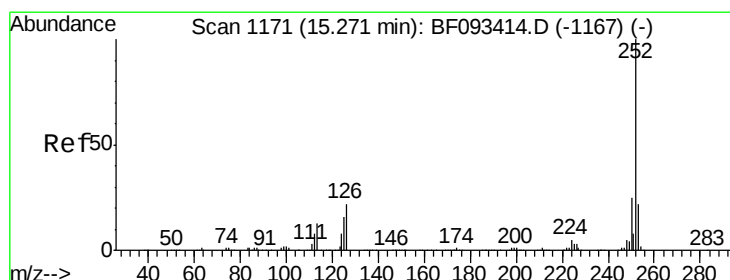
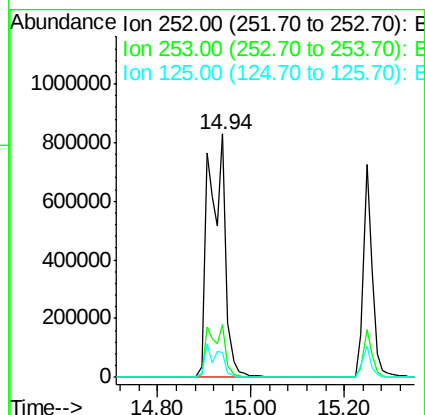
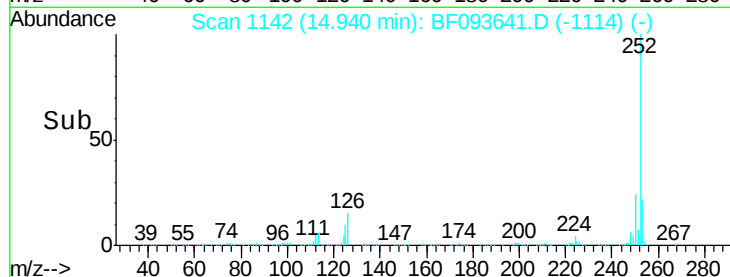
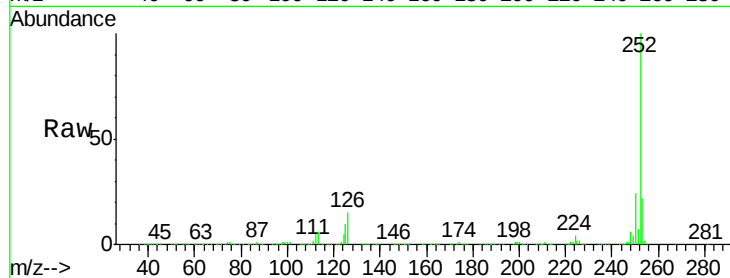
Tgt Ion:252 Resp: 2107195

Ion Ratio Lower Upper

252 100

253 22.0 18.5 27.7

125 10.0 8.9 13.3



#89

Benzo(a)pyrene

Concen: 54.16 ng

RT: 15.25 min Scan# 1169

Delta R.T. 0.02 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

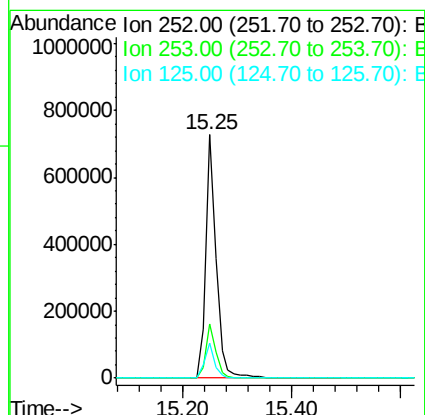
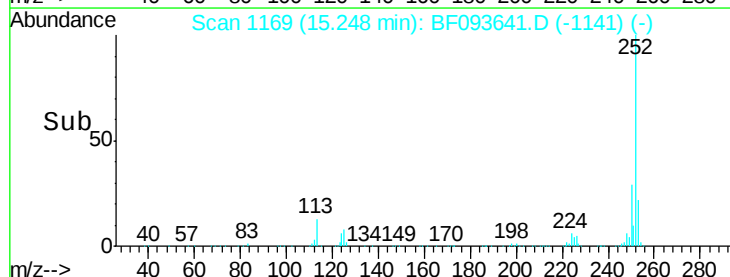
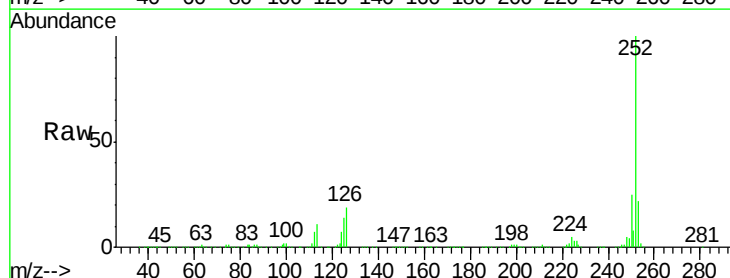
Tgt Ion:252 Resp: 943865

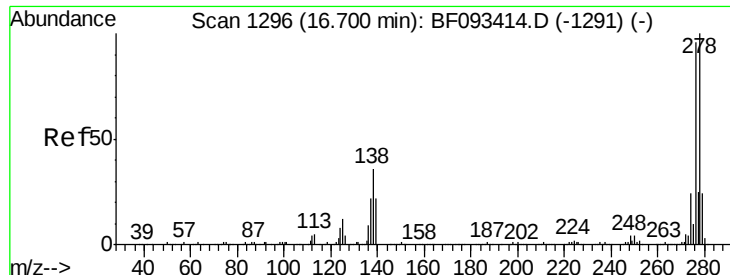
Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 14.5 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 54.72 ng

RT: 16.67 min Scan# 1293

Delta R.T. 0.05 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

Instrument :

BNA_F

ClientSampleId :

D-112MSD

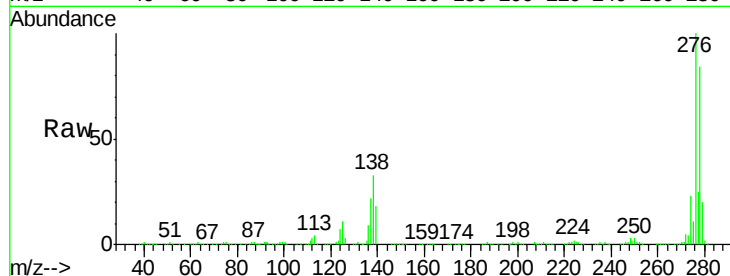
Tgt Ion: 278 Resp: 788872

Ion Ratio Lower Upper

278 100

139 21.0 14.8 22.2

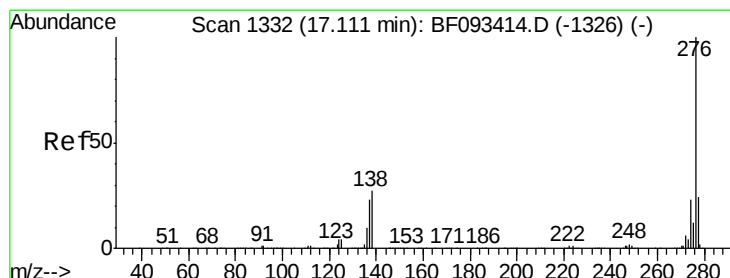
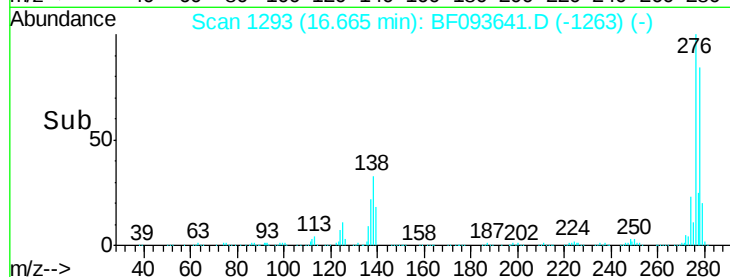
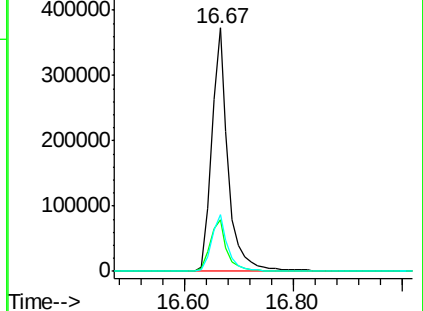
279 23.3 19.8 29.6



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(g,h,i)perylene

Concen: 56.16 ng

RT: 17.07 min Scan# 1328

Delta R.T. 0.05 min

Lab File: BF093641.D

Acq: 14 Mar 2017 7:06

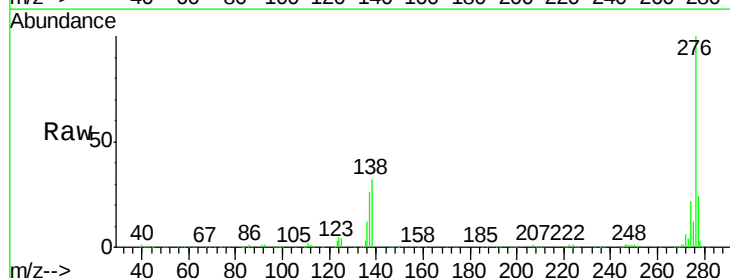
Tgt Ion: 276 Resp: 831029

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 32.1 16.0 24.0#



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

