

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
 Data File : BF089649.D
 Acq On : 6 Aug 2016 4:09
 Operator : UM/SJ
 Sample : H4352-02MS
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Quant Time: Aug 06 05:03:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	40725	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	170527	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	69777	20.00	ng	0.00
63) Phenanthrene-d10	14.69	188	102012	20.00	ng	-0.01
75) Chrysene-d12	18.39	240	82114	20.00	ng	0.00
86) Perylene-d12	20.05	264	69257	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	372629	153.36	ng	0.05
7) Phenol-d6	6.99	99	465732	141.29	ng	0.01
23) Nitrobenzene-d5	8.36	82	334671	108.55	ng	0.00
41) 2,4,6-Tribromophenol	13.59	330	79594	138.23	ng	0.00
44) 2-Fluorobiphenyl	11.26	172	575446	107.18	ng	0.00
78) Terphenyl-d14	17.05	244	346855	83.39	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.91	88	48015	34.47	ng	# 81
3) Pyridine	2.47	79	65457	25.57	ng	99
4) n-Nitrosodimethylamine	2.40	42	52889	47.41	ng	93
6) Aniline	6.95	93	38371	8.98	ng	99
8) 2-Chlorophenol	7.13	128	155770	52.22	ng	98
9) Benzaldehyde	6.75	77	39855	33.33	ng	96
10) Phenol	7.02	94	167010	49.35	ng	97
11) bis(2-Chloroethyl)ether	7.10	93	147824	50.84	ng	99
12) 1,3-Dichlorobenzene	7.35	146	157894	48.73	ng	98
13) 1,4-Dichlorobenzene	7.47	146	154512	47.82	ng	99
14) 1,2-Dichlorobenzene	7.70	146	158171	46.44	ng	99
15) Benzyl Alcohol	7.74	79	131660	60.92	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.94	45	179553	48.50	ng	# 60
17) 2-Methylphenol	7.95	107	116808	54.22	ng	98
18) Hexachloroethane	8.23	117	60639	44.53	ng	93
19) n-Nitroso-di-n-propylamine	8.17	70	121926	51.20	ng	97
20) 3+4-Methylphenols	8.22	107	149965	55.15	ng	98
22) Acetophenone	8.12	105	188269	46.31	ng	96
24) Nitrobenzene	8.39	77	162266	55.41	ng	96
25) Isophorone	8.79	82	312023	52.86	ng	98
26) 2-Nitrophenol	8.89	139	72459	53.92	ng	98
27) 2,4-Dimethylphenol	9.04	122	134047	55.48	ng	95
28) bis(2-Chloroethoxy)methane	9.16	93	191694	53.67	ng	99
29) 2,4-Dichlorophenol	9.31	162	122121	53.42	ng	96
30) 1,2,4-Trichlorobenzene	9.40	180	128466	49.20	ng	99
31) Naphthalene	9.51	128	443554	48.94	ng	100
32) Benzoic acid	9.35	122	48981	32.27	ng	97
33) 4-Chloroaniline	9.67	127	36159	10.62	ng	# 92
34) Hexachlorobutadiene	9.72	225	70093	46.62	ng	99
35) Caprolactam	10.27	113	20536	30.82	ng	97
36) 4-Chloro-3-methylphenol	10.51	107	130949	49.28	ng	96
37) 2-Methylnaphthalene	10.63	142	273989	49.15	ng	99
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	106169	40.48	ng	99
40) Hexachlorocyclopentadiene	10.89	237	15929	24.61	ng	97

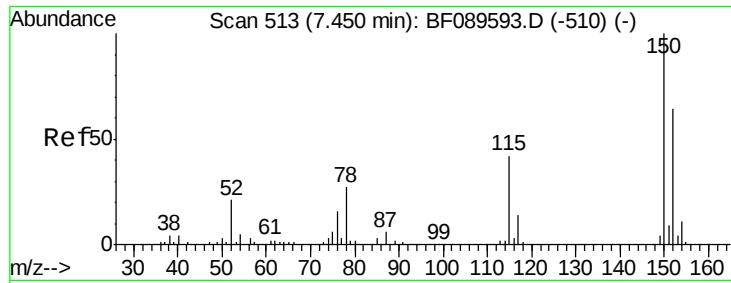
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.13	196	75832	58.62	ng	98
43) 2,4,5-Trichlorophenol	11.21	196	80582	58.29	ng	99
45) 1,1'-Biphenyl	11.41	154	301456	47.91	ng	100
46) 2-Chloronaphthalene	11.42	162	249115	52.80	ng	98
47) 2-Nitroaniline	11.62	65	78898	51.88	ng	96
48) Acenaphthylene	12.07	152	391910	50.43	ng	100
49) Dimethylphthalate	11.97	163	316457	57.86	ng	99
50) 2,6-Dinitrotoluene	12.05	165	62970	57.91	ng	92
51) Acenaphthene	12.35	154	229840	51.20	ng	99
52) 3-Nitroaniline	12.31	138	42509	32.68	ng	99
53) 2,4-Dinitrophenol	12.51	184	17915	46.03	ng	97
54) Dibenzofuran	12.64	168	343502	55.66	ng	99
55) 4-Nitrophenol	12.69	139	57062	88.76	ng	# 70
56) 2,4-Dinitrotoluene	12.70	165	79191	51.78	ng	92
57) Fluorene	13.19	166	264986	50.24	ng	99
58) 2,3,4,6-Tetrachlorophenol	12.87	232	58755	55.98	ng	96
59) Diethylphthalate	13.11	149	313051	55.35	ng	99
60) 4-Chlorophenyl-phenylether	13.22	204	124354	51.41	ng	98
61) 4-Nitroaniline	13.31	138	47416	40.55	ng	95
62) Azobenzene	13.47	77	307343	56.18	ng	92
64) 4,6-Dinitro-2-methylphenol	13.37	198	16463	28.79	ng	90
65) n-Nitrosodiphenylamine	13.44	169	222888	64.69	ng	100
66) 4-Bromophenyl-phenylether	14.00	248	62819	63.67	ng	# 79
67) Hexachlorobenzene	14.07	284	60113	55.38	ng	99
68) Atrazine	14.35	200	64493	67.04	ng	96
69) Pentachlorophenol	14.42	266	53922	114.17	ng	98
70) Phenanthrene	14.73	178	312632	56.36	ng	99
71) Anthracene	14.81	178	327657	55.10	ng	100
72) Carbazole	15.11	167	280199	56.53	ng	99
73) Di-n-butylphthalate	15.70	149	409757	61.13	ng	99
74) Fluoranthene	16.49	202	294169	51.59	ng	98
76) Benzidine	16.73	184	64255	25.81	ng	100
77) Pyrene	16.79	202	302059	41.61	ng	98
79) Butylbenzylphthalate	17.71	149	144853	46.89	ng	# 79
80) Benzo(a)anthracene	18.38	228	254998	54.05	ng	99
81) 3,3'-Dichlorobenzidine	18.37	252	80706	54.30	ng	98
82) Chrysene	18.42	228	264546	53.45	ng	99
83) Bis(2-ethylhexyl)phthalate	18.47	149	201586	47.13	ng	100
84) Di-n-octyl phthalate	19.25	149	373527	60.68	ng	98
85) Indeno(1,2,3-cd)pyrene	21.23	276	188568	50.17	ng	99
87) Benzo(b)fluoranthene	19.65	252	230201	54.04	ng	99
88) Benzo(k)fluoranthene	19.65	252	230201	53.57	ng	97
89) Benzo(a)pyrene	19.99	252	220051	55.18	ng	# 96
90) Dibenzo(a,h)anthracene	21.23	278	162563	43.63	ng	# 96
91) Benzo(g,h,i)perylene	21.57	276	148987	39.06	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

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BNA_F

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WASTE-GAC-VPMS

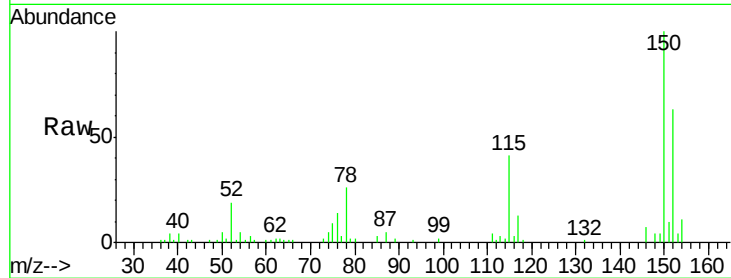
Tgt Ion:152 Resp: 40725

Ion Ratio Lower Upper

152 100

150 159.5 125.5 188.3

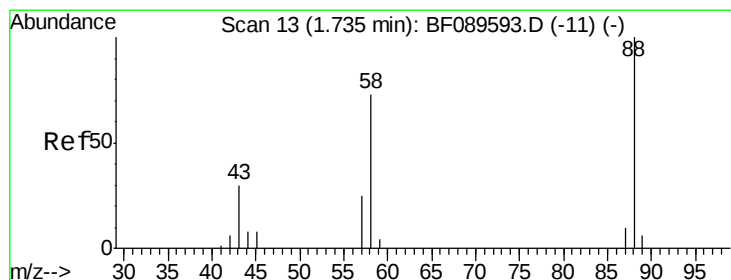
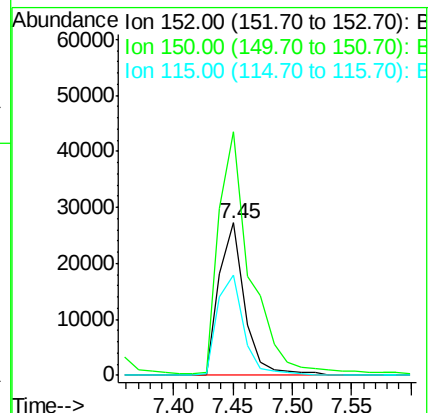
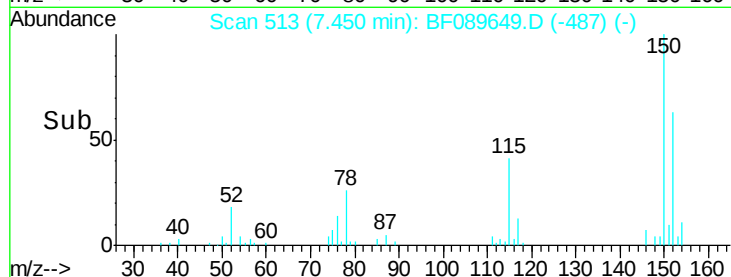
115 65.6 52.0 78.0



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: 34.47 ng

RT: 1.91 min Scan# 28

Delta R.T. 0.17 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

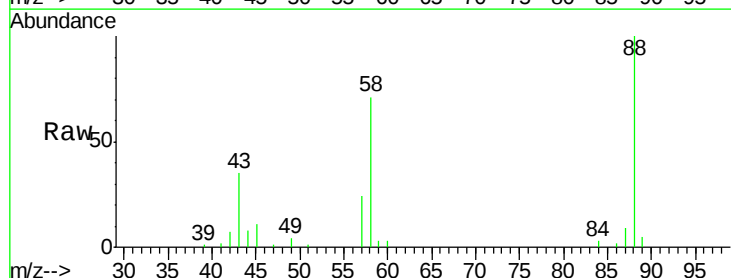
Tgt Ion: 88 Resp: 48015

Ion Ratio Lower Upper

88 100

58 66.8 49.8 74.8

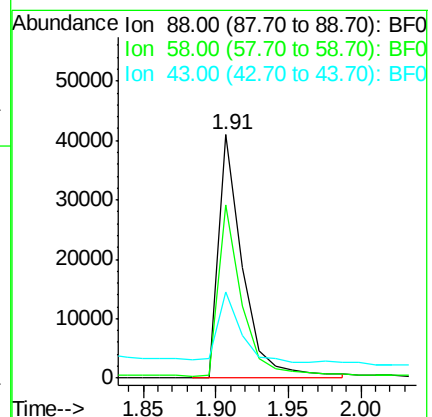
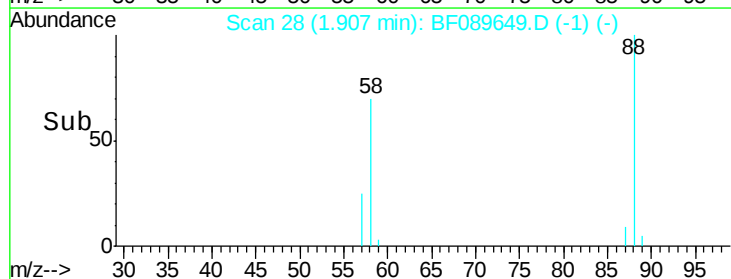
43 0.0 20.1 30.1#

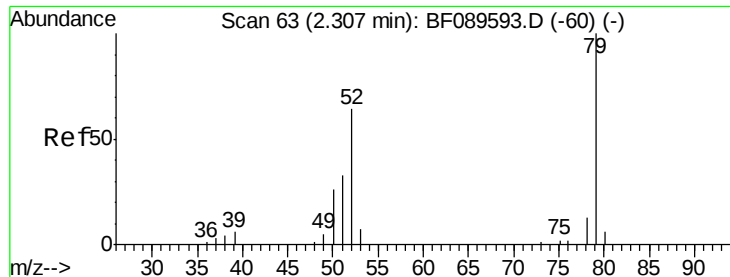


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 25.57 ng

RT: 2.47 min Scan# 77

Delta R.T. 0.16 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

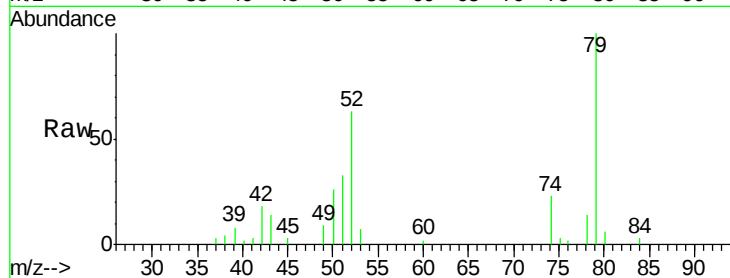
Tgt Ion: 79 Resp: 65457

Ion Ratio Lower Upper

79 100

52 63.1 51.0 76.4

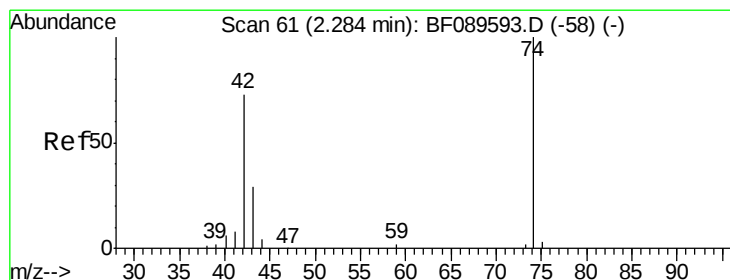
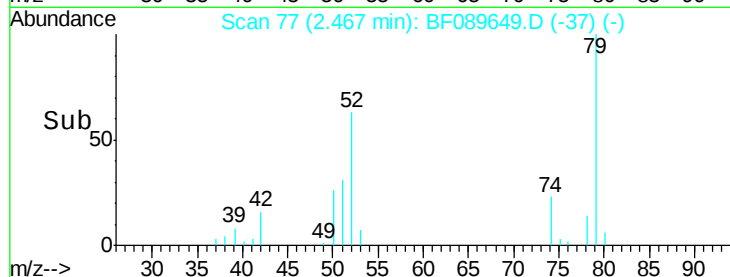
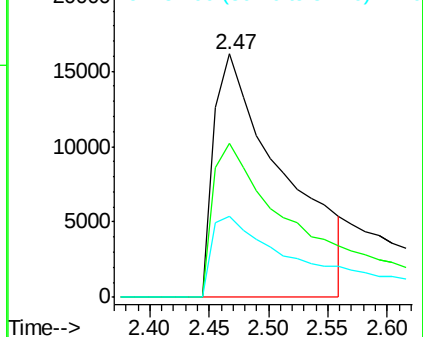
51 33.4 27.9 41.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 47.41 ng

RT: 2.40 min Scan# 71

Delta R.T. 0.12 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

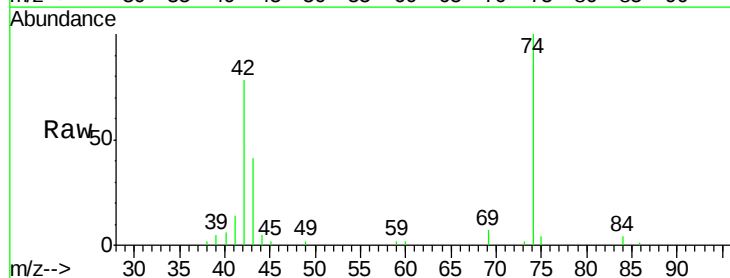
Tgt Ion: 42 Resp: 52889

Ion Ratio Lower Upper

42 100

74 128.5 110.0 165.0

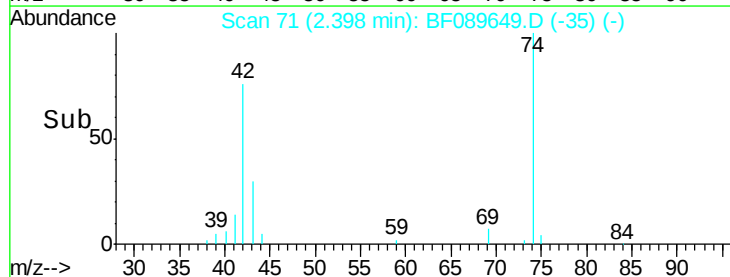
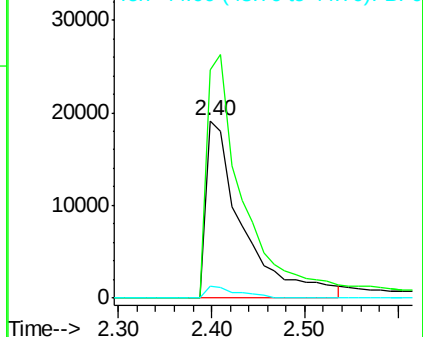
44 6.5 4.8 7.2

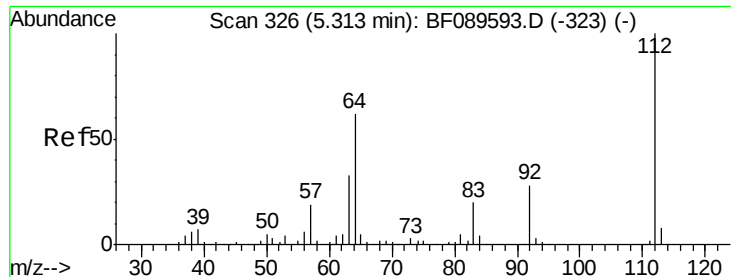


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 153.36 ng

RT: 5.36 min Scan# 330

Delta R.T. 0.05 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

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ClientSampleId :

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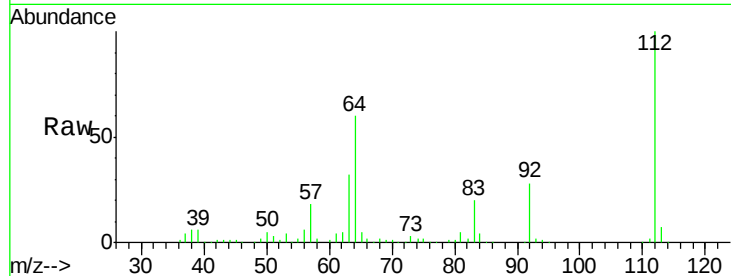
Tgt Ion: 112 Resp: 372629

Ion Ratio Lower Upper

112 100

64 59.9 49.9 74.9

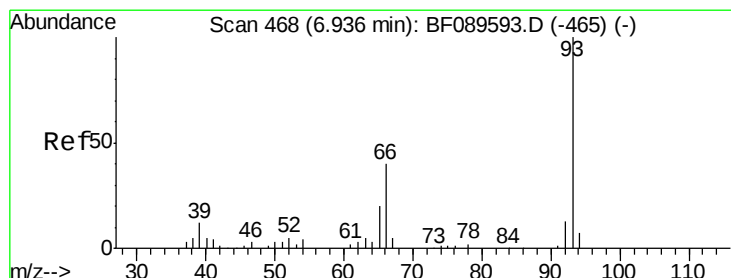
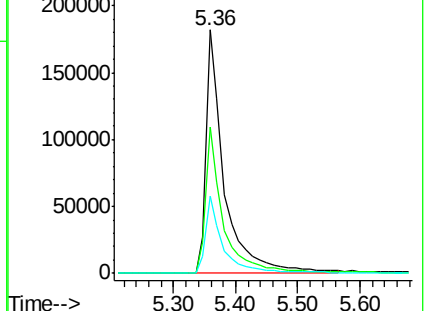
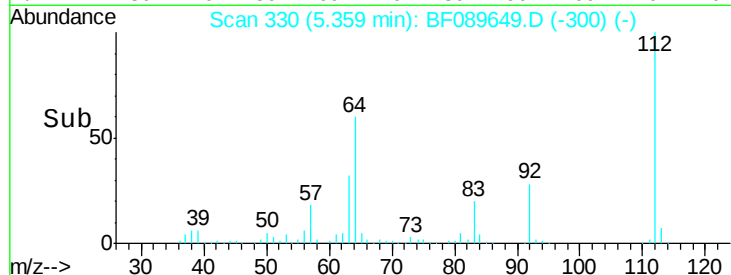
63 31.7 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 8.98 ng

RT: 6.95 min Scan# 469

Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

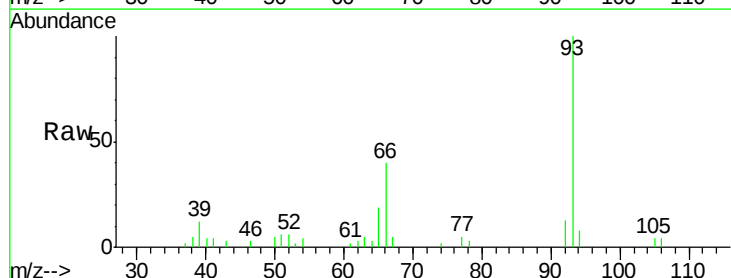
Tgt Ion: 93 Resp: 38371

Ion Ratio Lower Upper

93 100

66 40.3 32.2 48.2

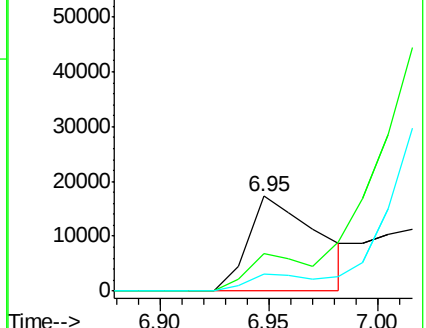
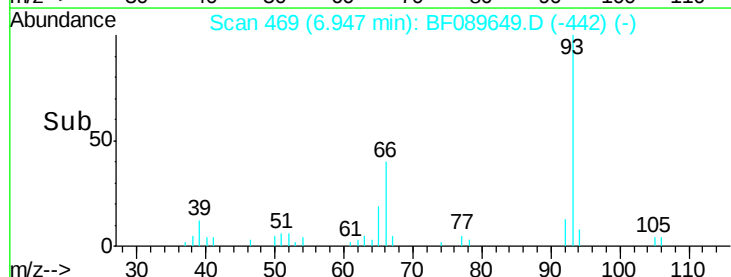
65 18.7 15.8 23.8

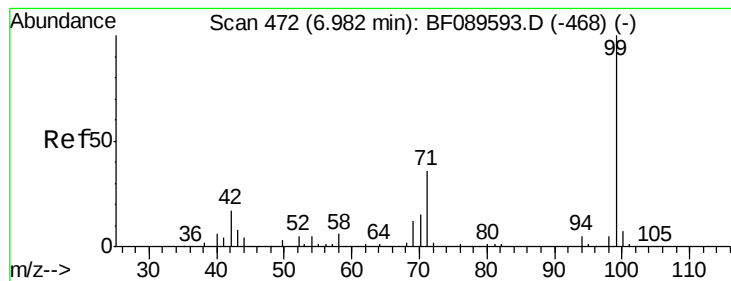


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 141.29 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

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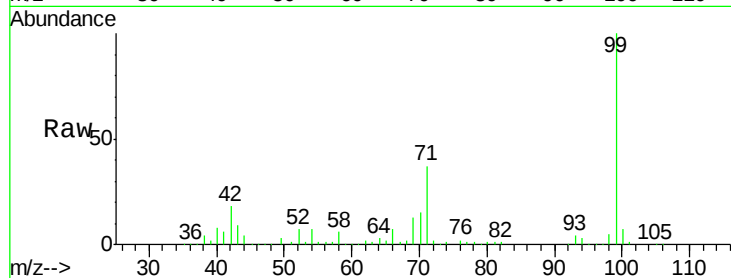
Tgt Ion: 99 Resp: 465732

Ion Ratio Lower Upper

99 100

42 17.7 13.7 20.5

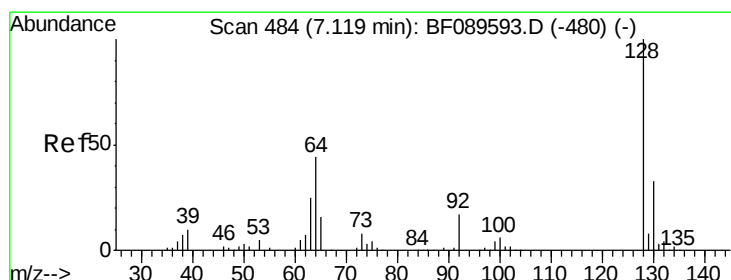
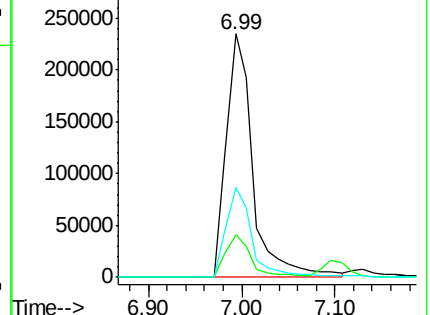
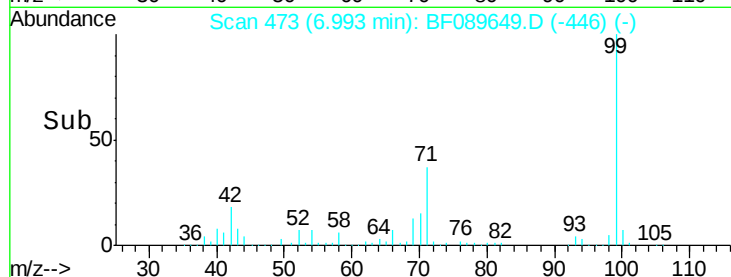
71 37.2 29.0 43.4



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: 52.22 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

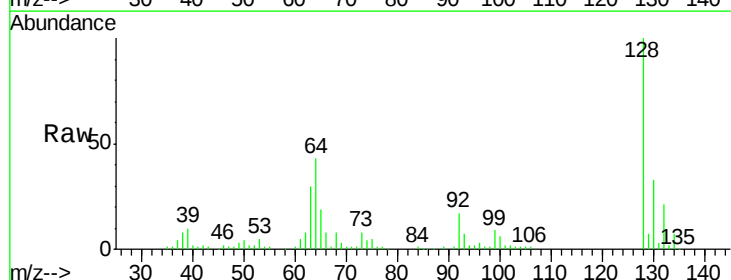
Tgt Ion: 128 Resp: 155770

Ion Ratio Lower Upper

128 100

130 32.8 12.6 52.6

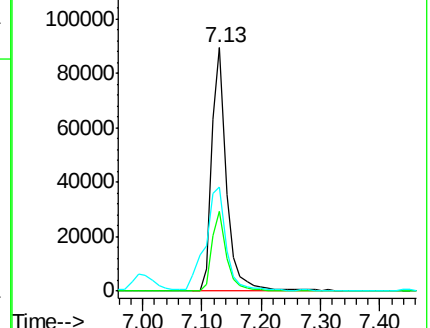
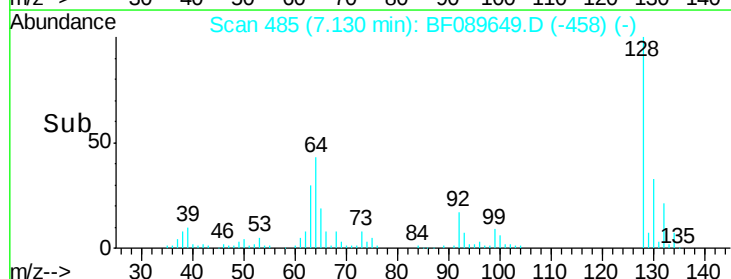
64 43.0 25.3 65.3

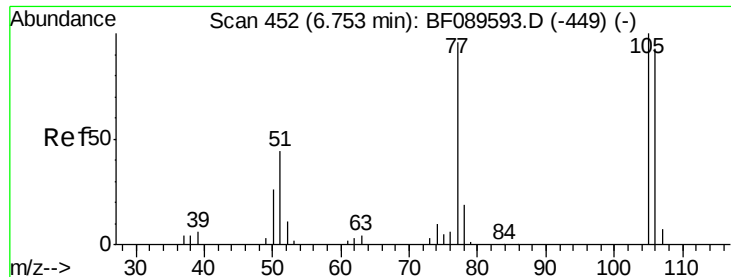


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 33.33 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

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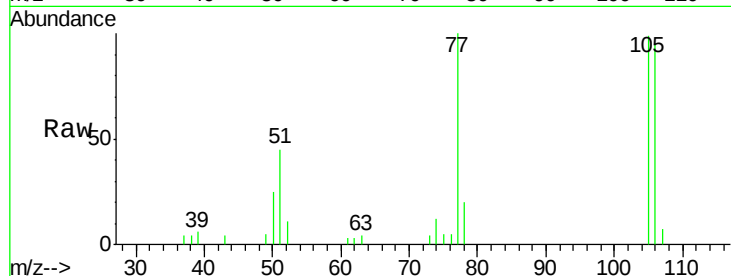
Tgt Ion: 77 Resp: 39855

Ion Ratio Lower Upper

77 100

105 98.7 84.7 124.7

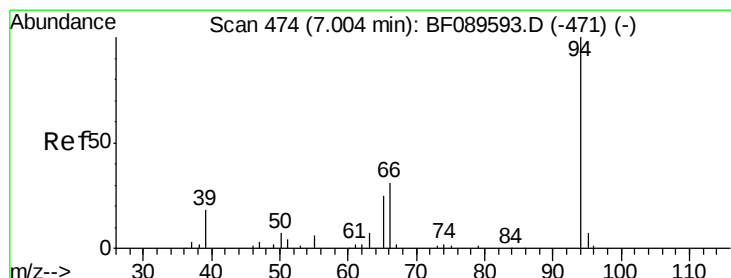
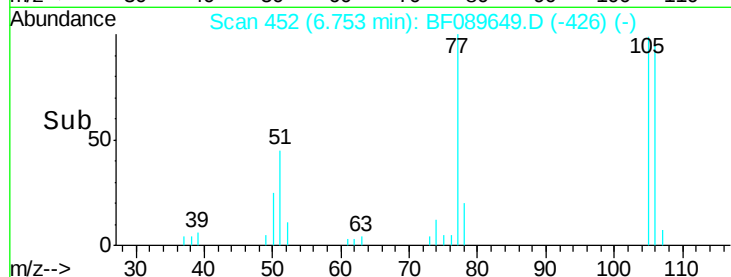
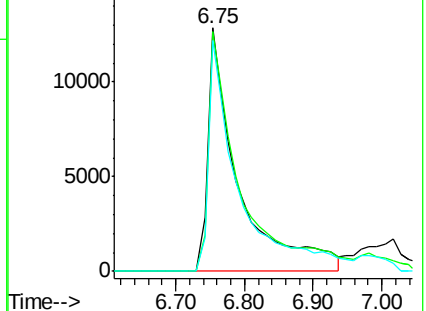
106 94.8 77.1 117.1



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: 49.35 ng

RT: 7.02 min Scan# 475

Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

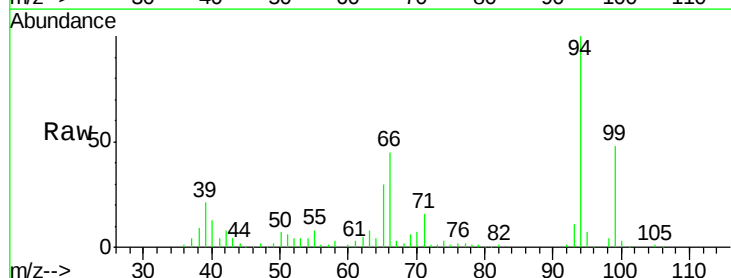
Tgt Ion: 94 Resp: 167010

Ion Ratio Lower Upper

94 100

65 29.9 11.0 51.0

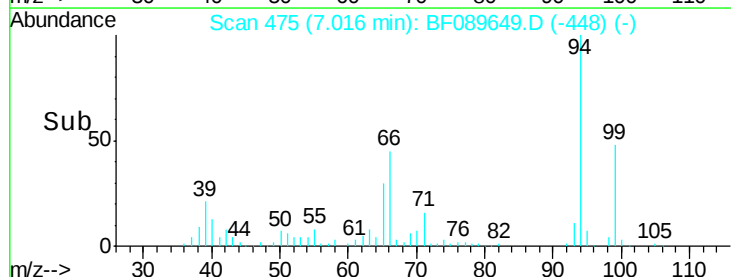
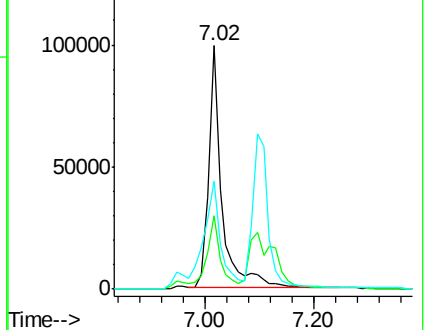
66 44.5 27.4 67.4

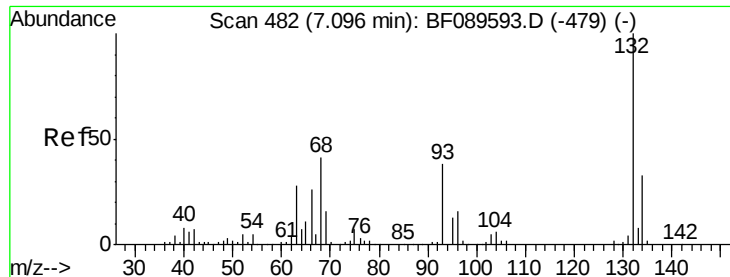


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

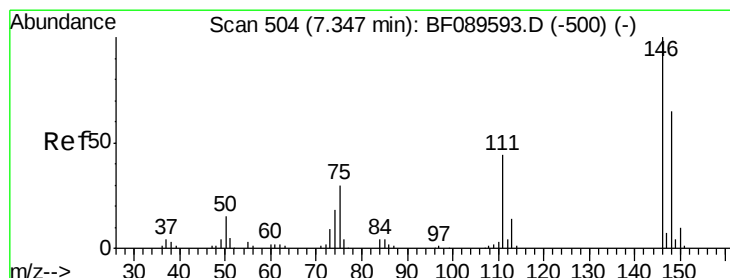
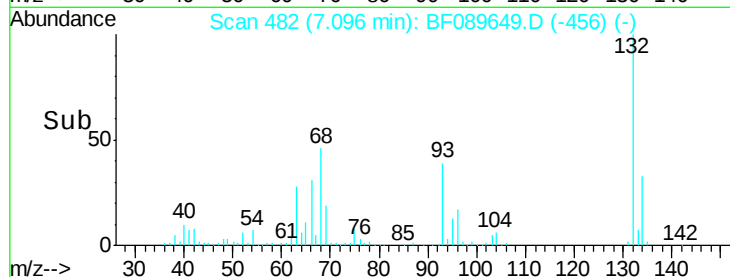
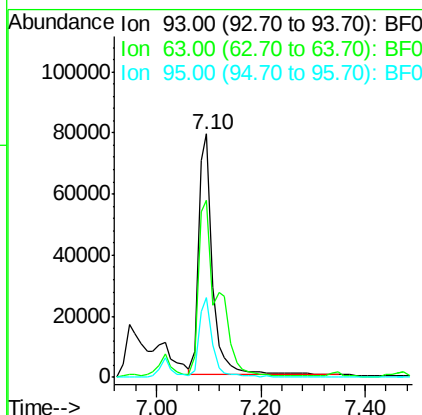
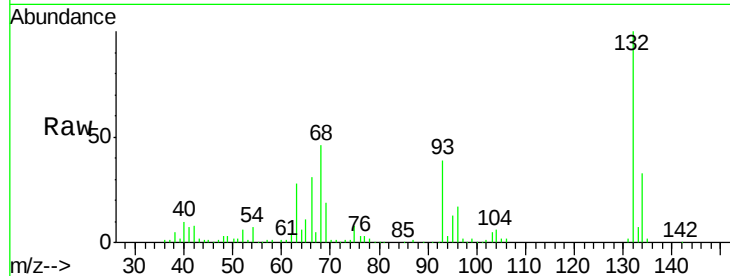




#11
 bis(2-Chloroethyl)ether
 Concen: 50.84 ng
 RT: 7.10 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

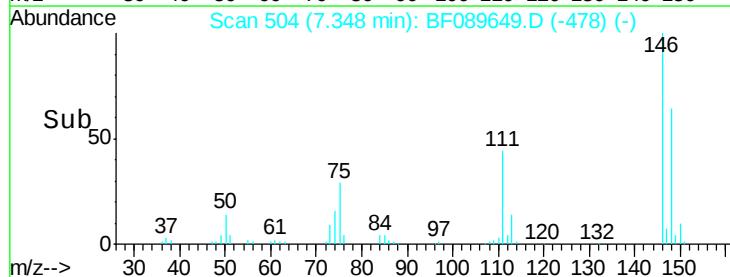
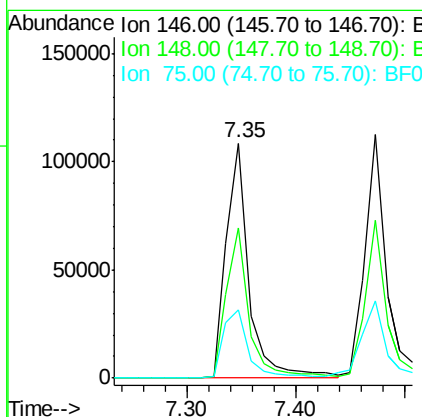
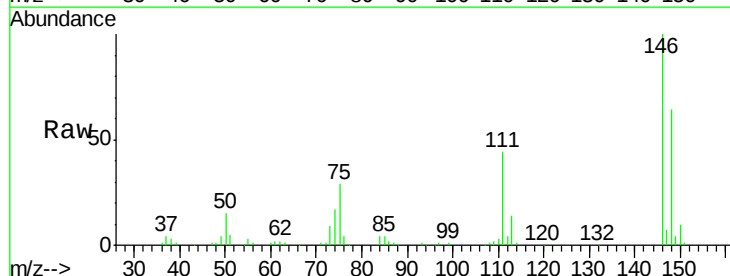
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

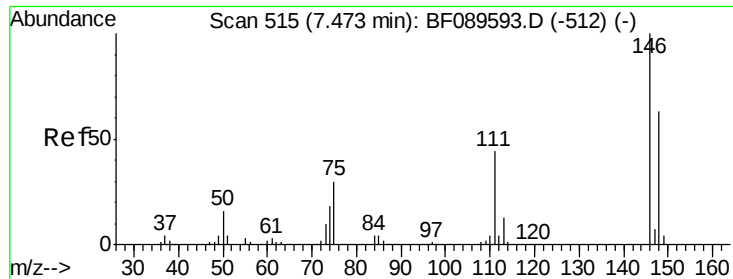
Tgt Ion: 93 Resp: 147824
 Ion Ratio Lower Upper
 93 100
 63 72.5 52.2 92.2
 95 32.6 13.1 53.1



#12
 1,3-Dichlorobenzene
 Concen: 48.73 ng
 RT: 7.35 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion: 146 Resp: 157894
 Ion Ratio Lower Upper
 146 100
 148 63.8 52.1 78.1
 75 29.2 24.1 36.1

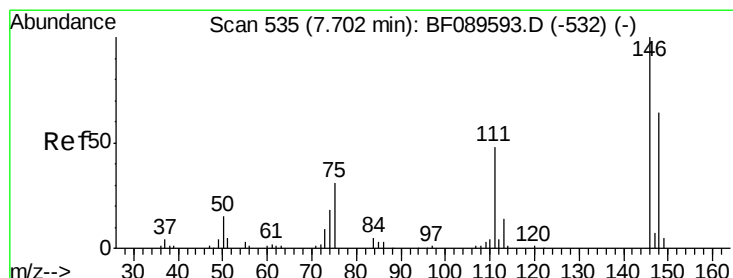
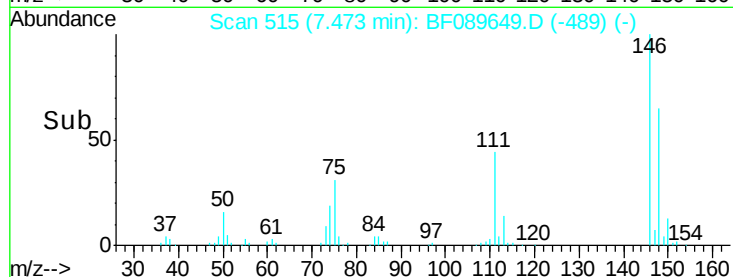
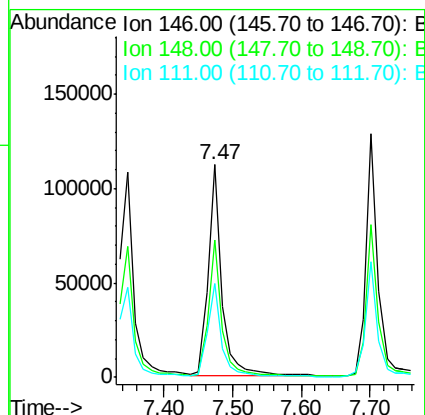
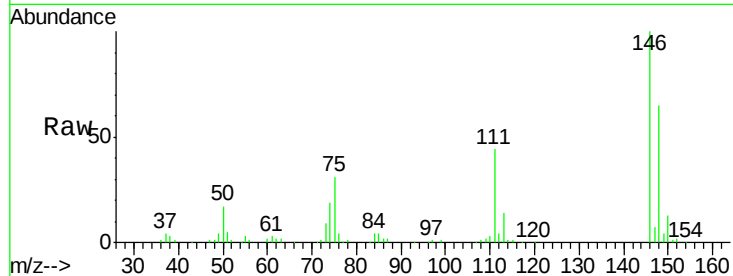




#13
 1,4-Dichlorobenzene
 Concen: 47.82 ng
 RT: 7.47 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

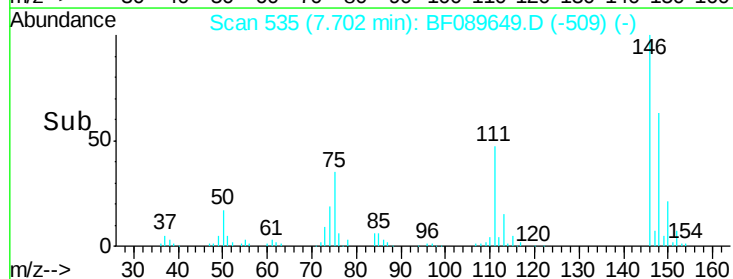
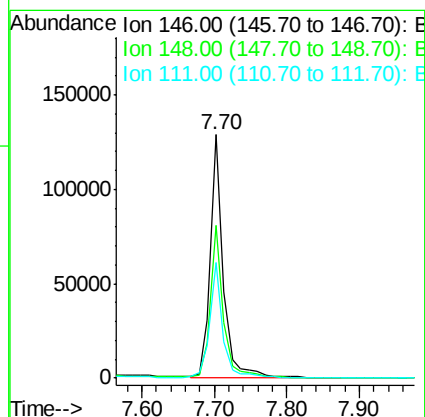
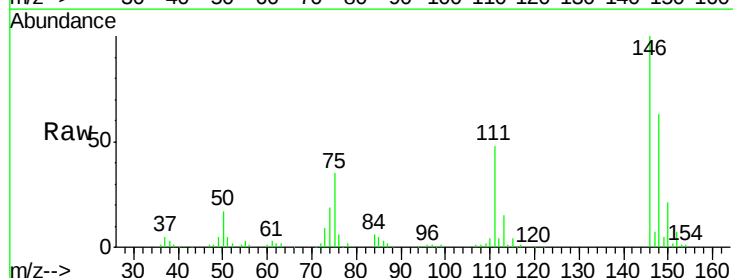
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

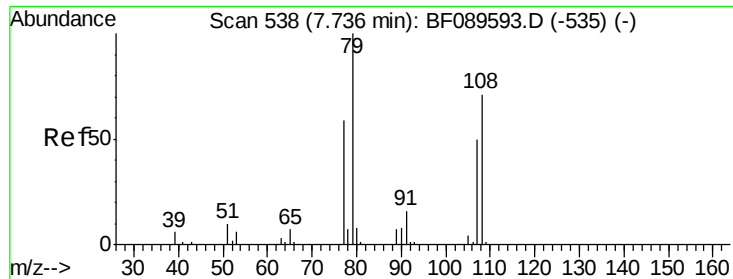
Tgt Ion:146 Resp: 154512
 Ion Ratio Lower Upper
 146 100
 148 64.6 50.4 75.6
 111 43.9 35.0 52.4



#14
 1,2-Dichlorobenzene
 Concen: 46.44 ng
 RT: 7.70 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:146 Resp: 158171
 Ion Ratio Lower Upper
 146 100
 148 62.9 51.0 76.6
 111 47.5 38.5 57.7





#15

Benzyl Alcohol

Concen: 60.92 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

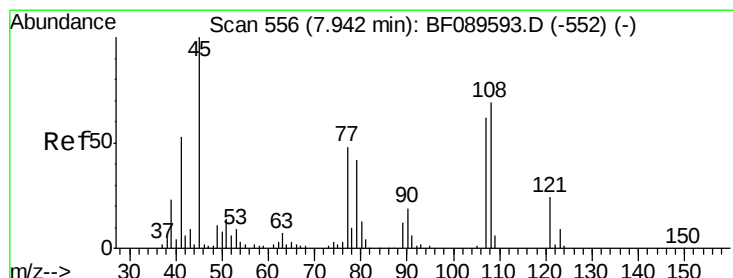
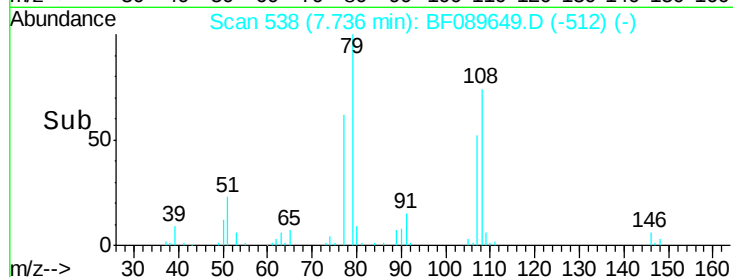
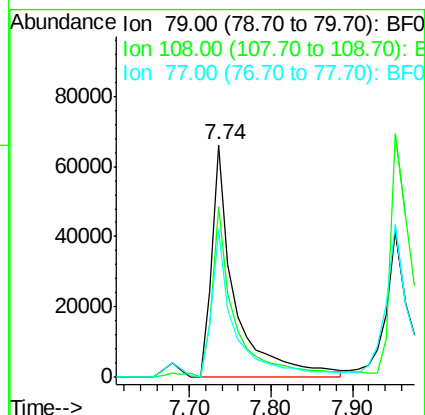
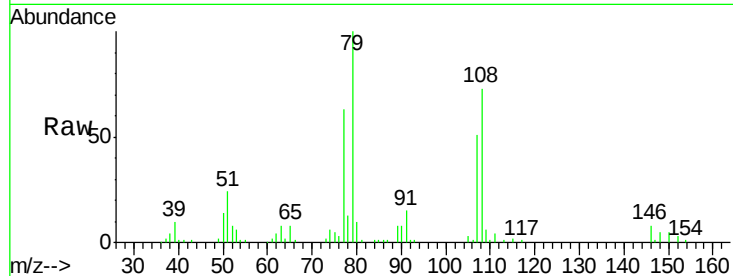
Tgt Ion: 79 Resp: 131660

Ion Ratio Lower Upper

79 100

108 73.3 58.3 87.5

77 63.3 48.7 73.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 48.50 ng

RT: 7.94 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

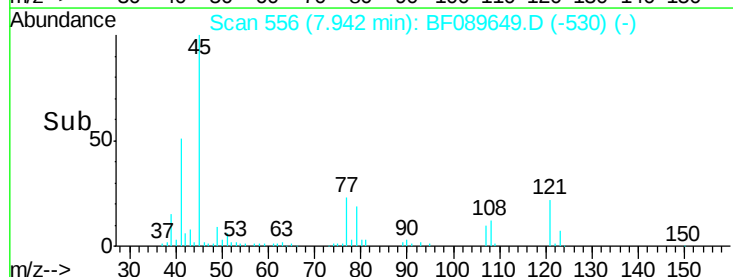
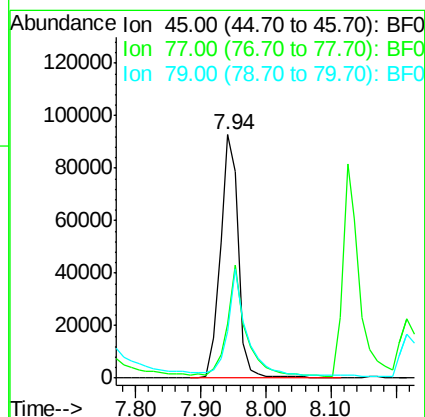
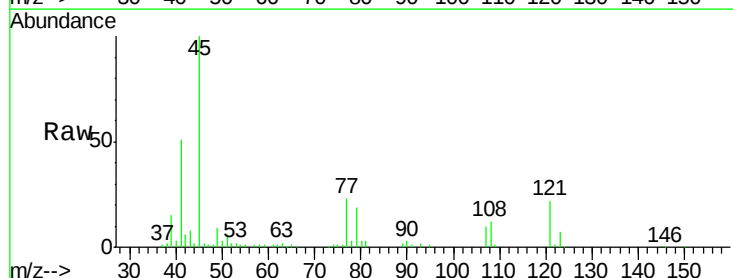
Tgt Ion: 45 Resp: 179553

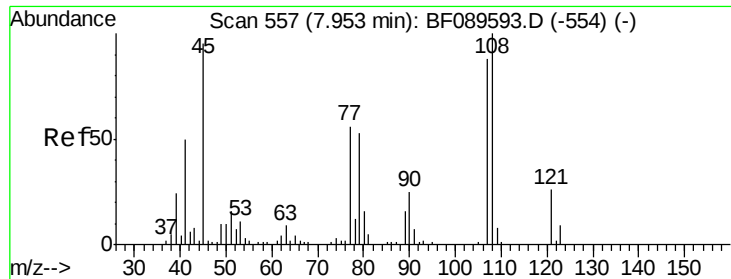
Ion Ratio Lower Upper

45 100

77 22.5 30.1 70.1#

79 19.3 25.5 65.5#

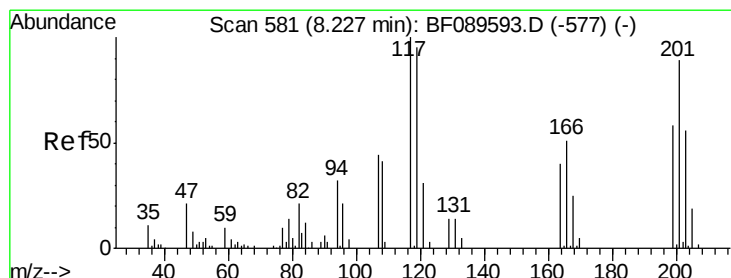
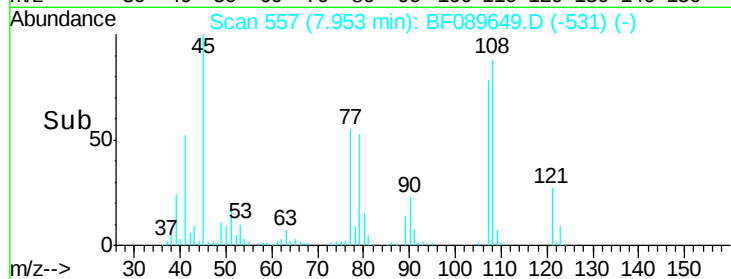
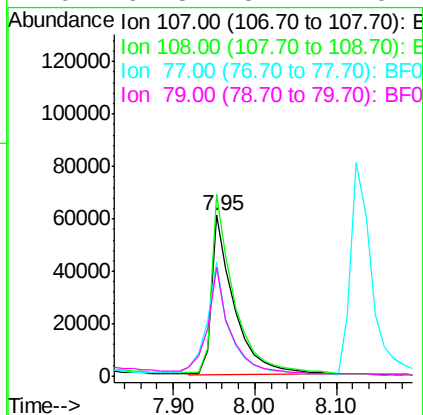
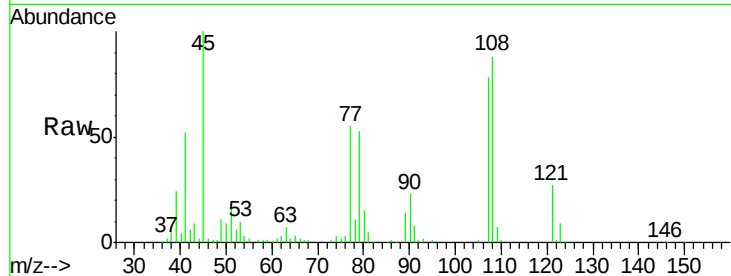




#17
2-Methylphenol
Concen: 54.22 ng
RT: 7.95 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

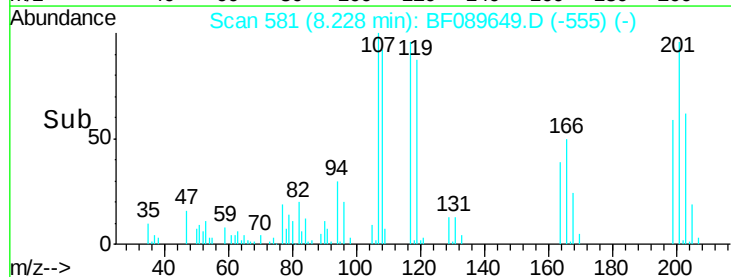
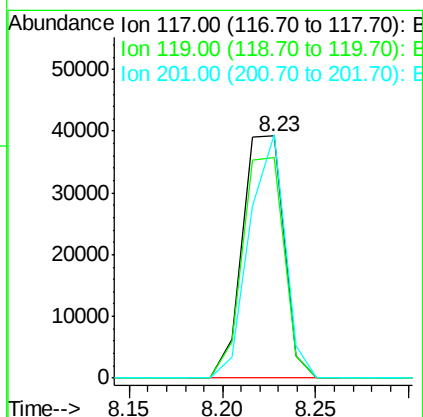
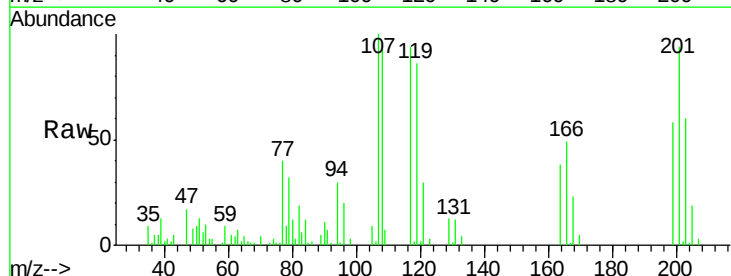
Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

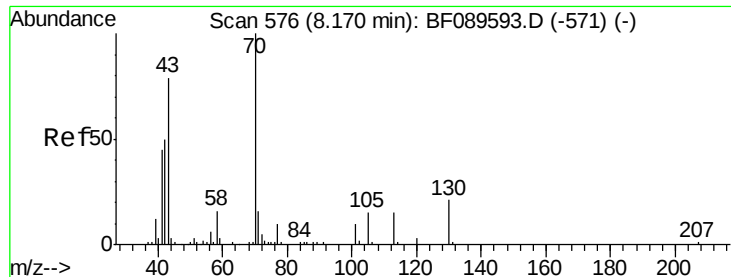
Tgt Ion:	107	Resp:	116808
Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.2	136.8
77	70.4	54.6	82.0
79	67.8	52.7	79.1



#18
Hexachloroethane
Concen: 44.53 ng
RT: 8.23 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion:	117	Resp:	60639
Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.7	113.5
201	100.6	71.6	107.4

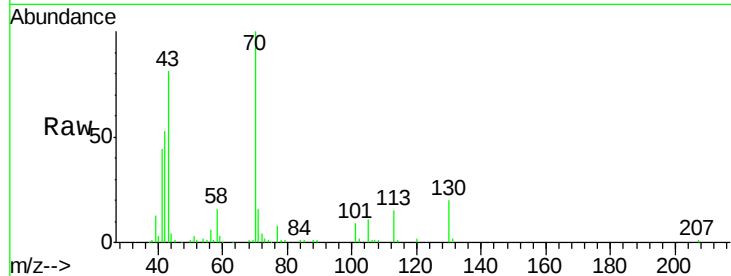




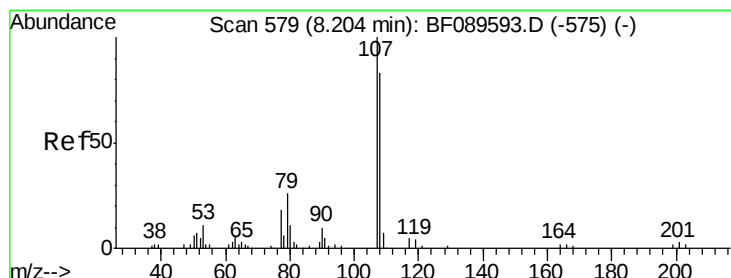
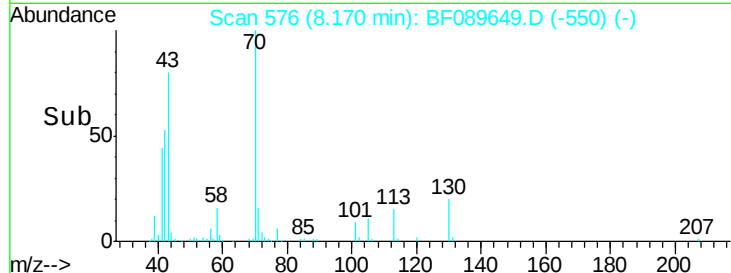
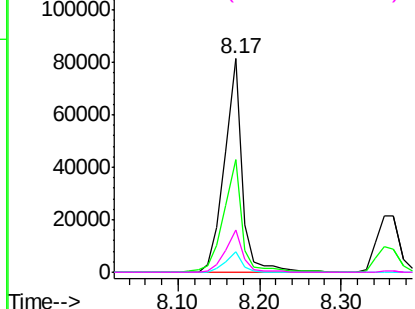
#19
n-Nitroso-di-n-propylamine
Concen: 51.20 ng
RT: 8.17 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

Tgt Ion:	70	Resp:	121926
Ion	Ratio	Lower	Upper
70	100		
42	52.6	40.2	60.2
101	9.5	7.8	11.6
130	19.7	16.4	24.6

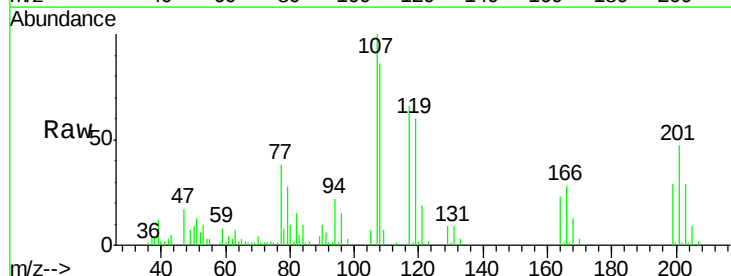


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

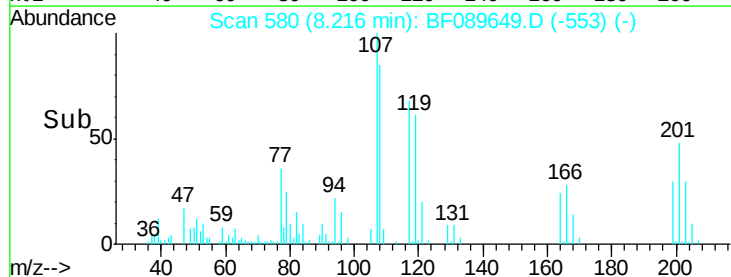
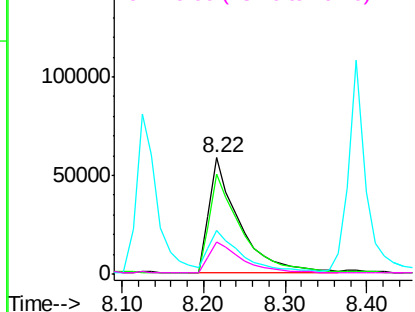


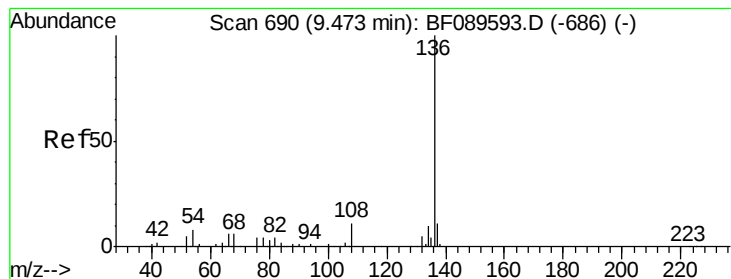
#20
3+4-Methylphenols
Concen: 55.15 ng
RT: 8.22 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion:	107	Resp:	149965
Ion	Ratio	Lower	Upper
107	100		
108	85.8	63.8	103.8
77	38.0	19.5	59.5
79	28.1	7.1	47.1



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

Tgt Ion:136 Resp: 170527

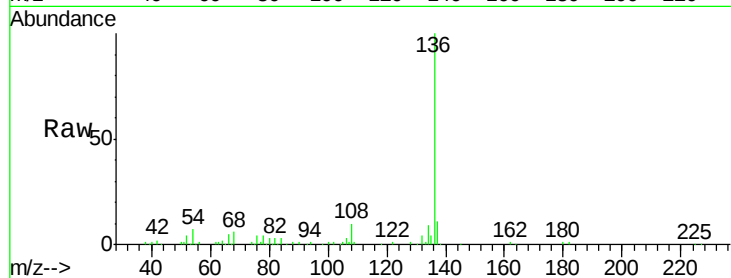
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 7.3 6.0 9.0

68 5.8 4.6 6.8

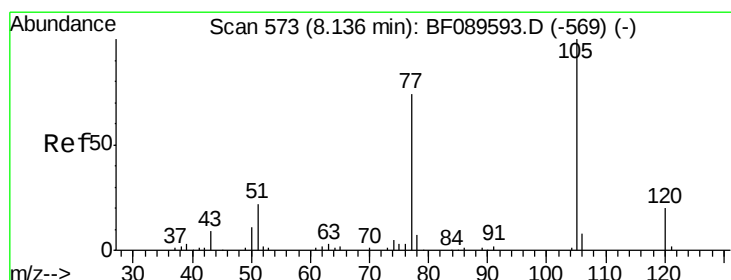
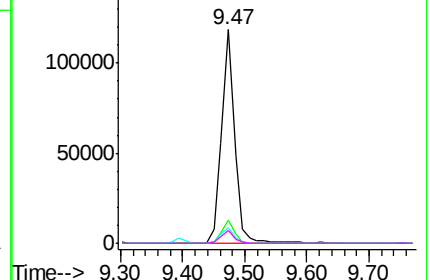
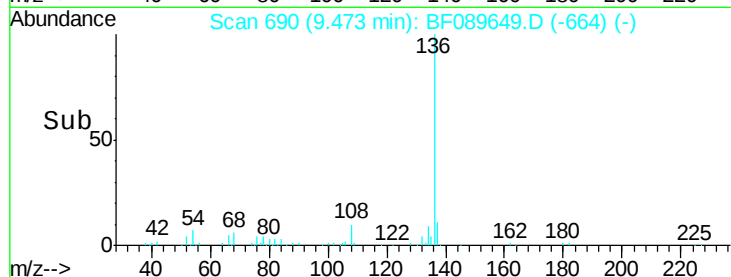


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.31 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:105 Resp: 188269

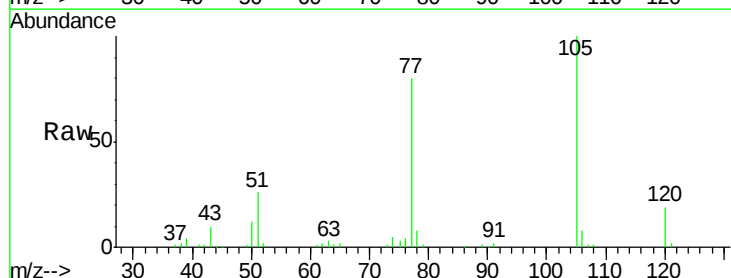
Ion Ratio Lower Upper

105 100

71 0.0 0.0 0.0

51 25.8 18.2 27.2

120 19.2 15.7 23.5

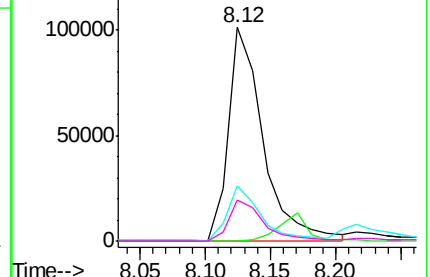
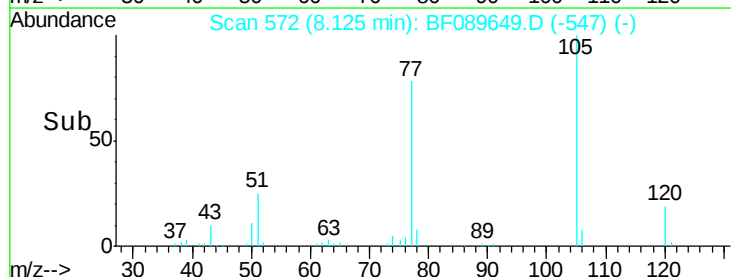


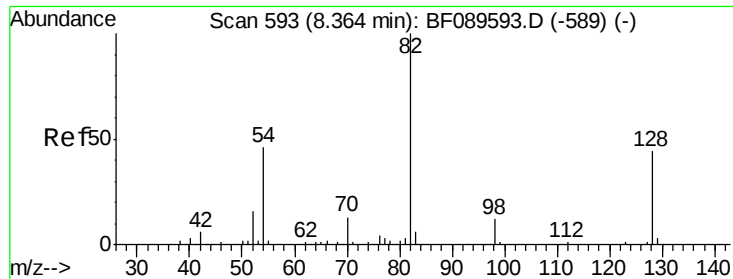
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

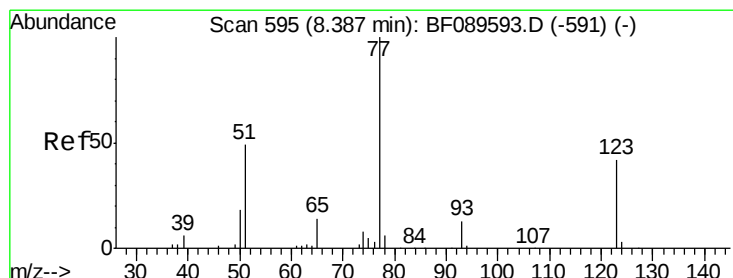
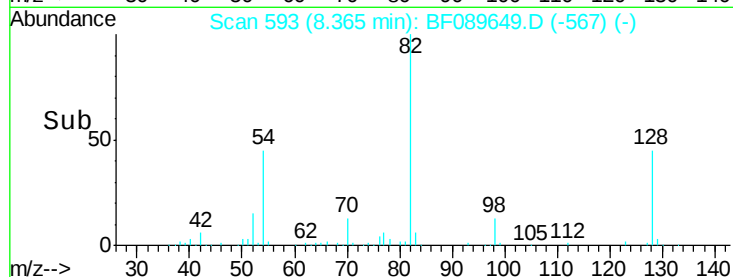
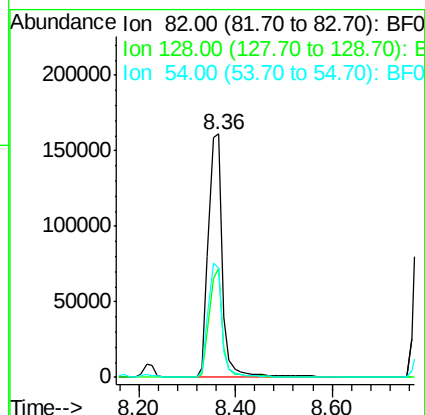
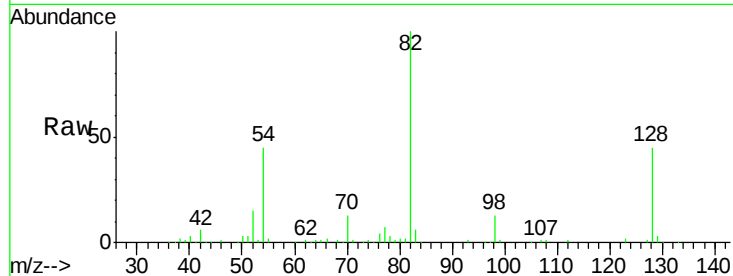




#23
 Nitrobenzene-d5
 Concen: 108.55 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

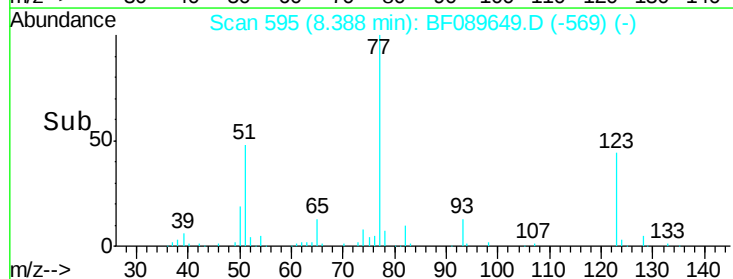
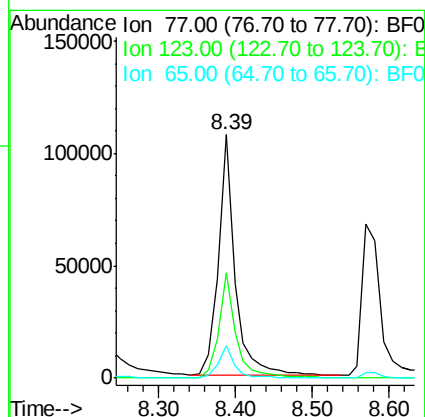
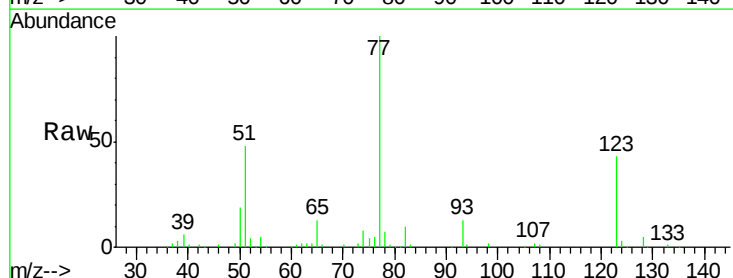
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

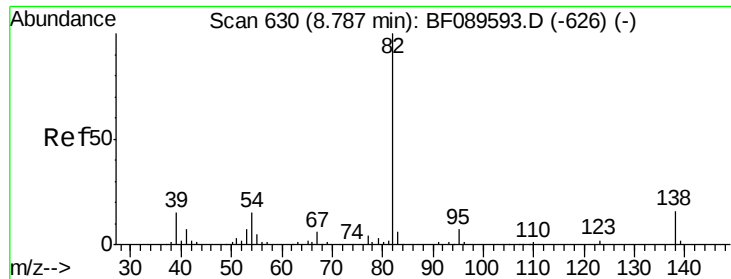
Tgt Ion: 82 Resp: 334671
 Ion Ratio Lower Upper
 82 100
 128 45.1 35.4 53.0
 54 45.1 36.4 54.6



#24
 Nitrobenzene
 Concen: 55.41 ng
 RT: 8.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion: 77 Resp: 162266
 Ion Ratio Lower Upper
 77 100
 123 43.4 32.6 49.0
 65 13.2 11.0 16.6





#25

Isophorone

Concen: 52.86 ng

RT: 8.79 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

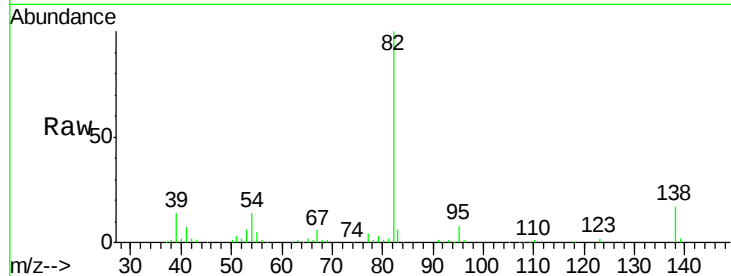
Tgt Ion: 82 Resp: 312023

Ion Ratio Lower Upper

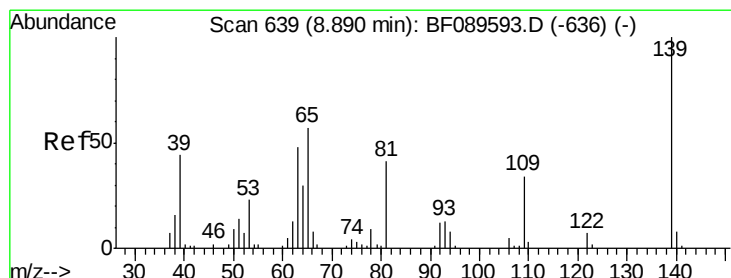
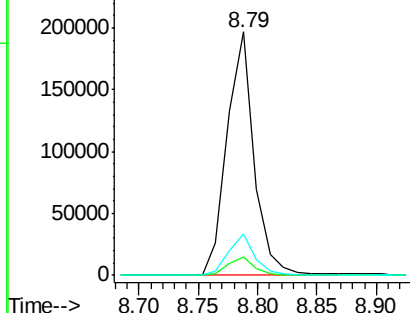
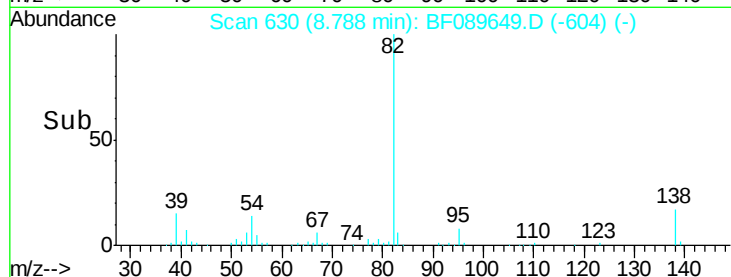
82 100

95 7.6 5.8 8.8

138 16.8 12.6 18.8



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: 53.92 ng

RT: 8.89 min Scan# 639

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

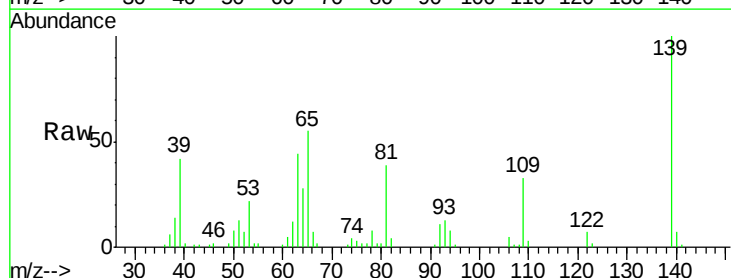
Tgt Ion: 139 Resp: 72459

Ion Ratio Lower Upper

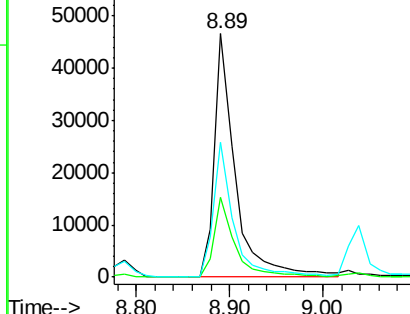
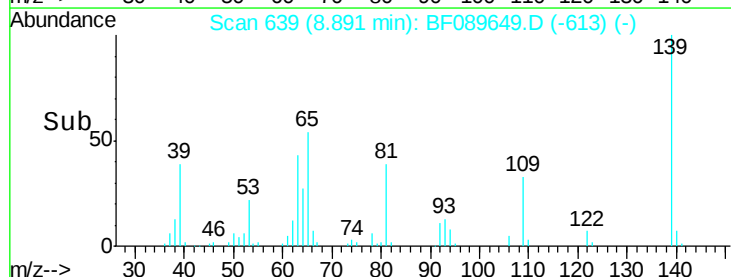
139 100

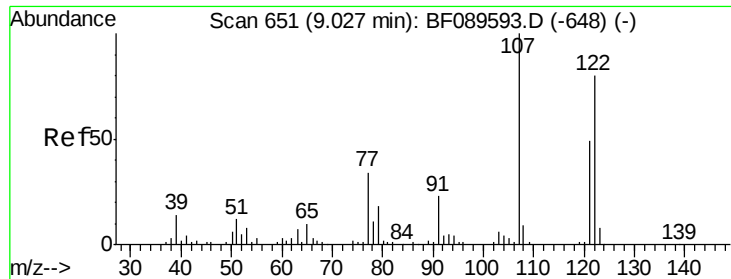
109 32.9 27.5 41.3

65 55.5 45.7 68.5



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

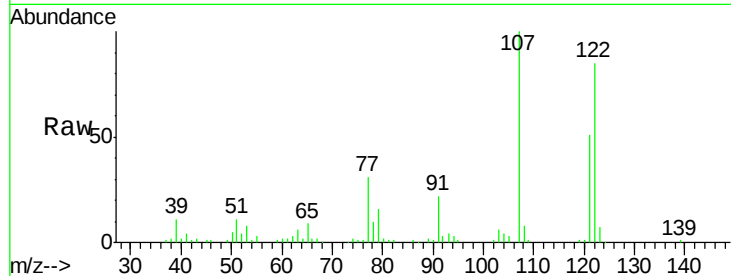




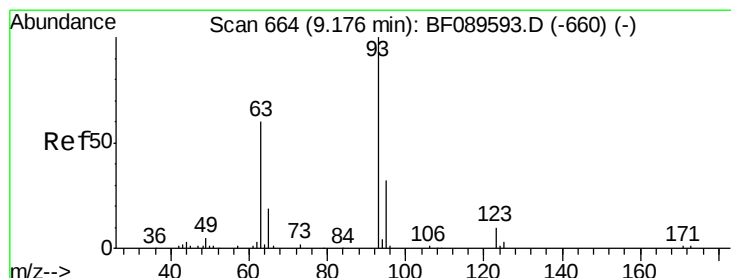
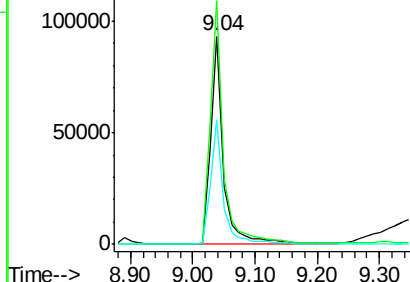
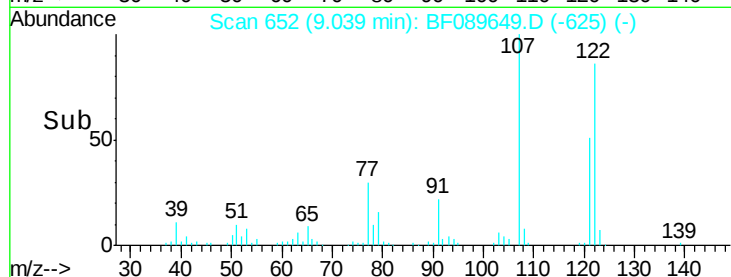
#27
 2,4-Dimethylphenol
 Concen: 55.48 ng
 RT: 9.04 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.0	99.5	149.3
121	60.0	48.5	72.7

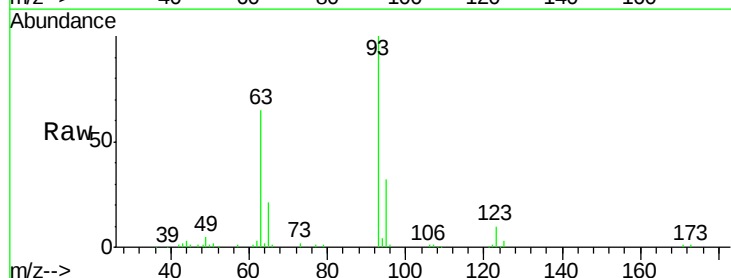


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

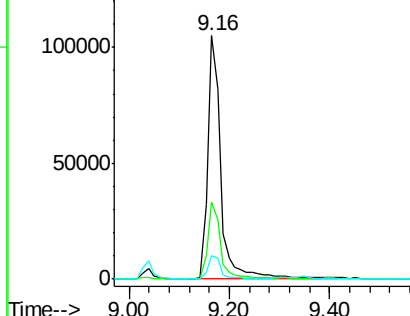
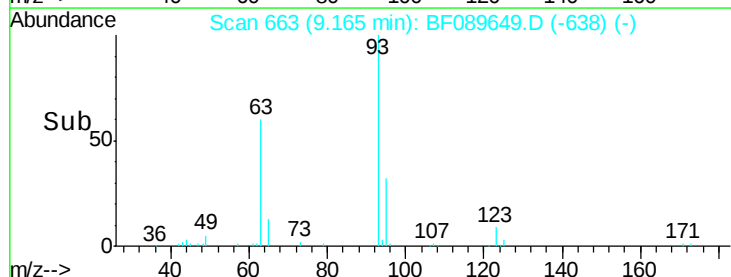


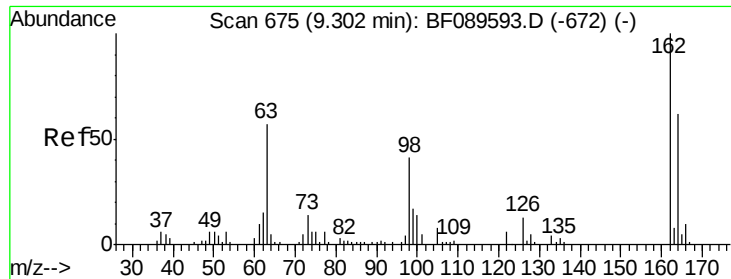
#28
 bis(2-Chloroethoxy)methane
 Concen: 53.67 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.8
123	9.7	8.0	12.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

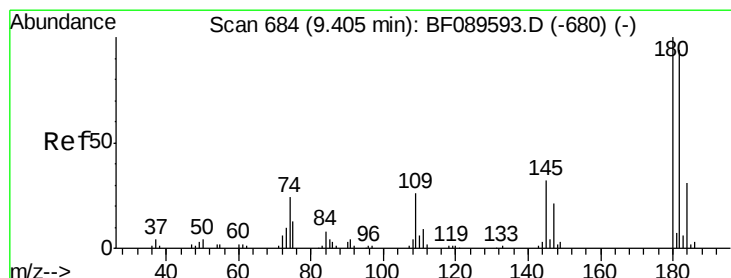
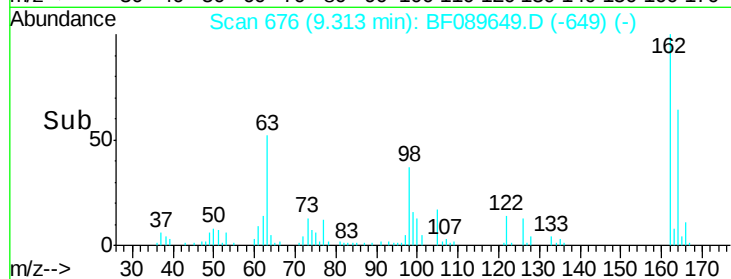
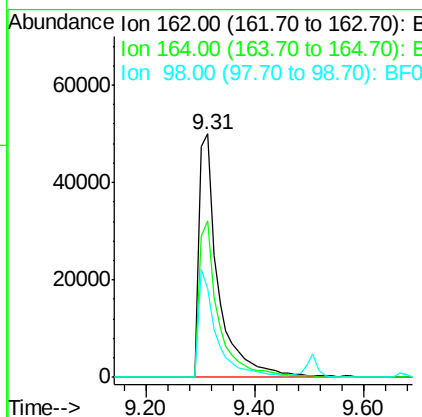
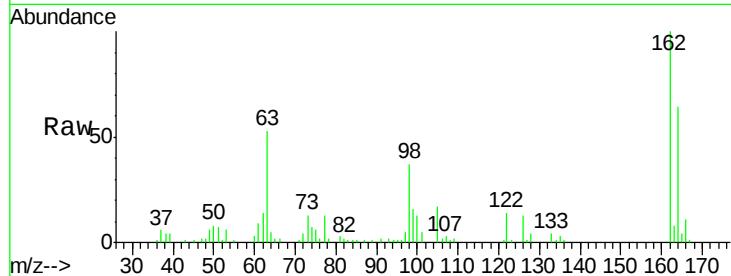




#29
 2,4-Dichlorophenol
 Concen: 53.42 ng
 RT: 9.31 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

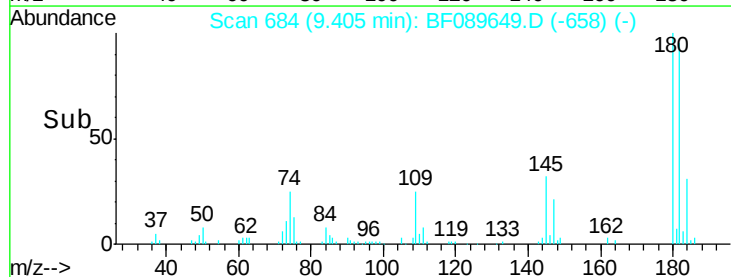
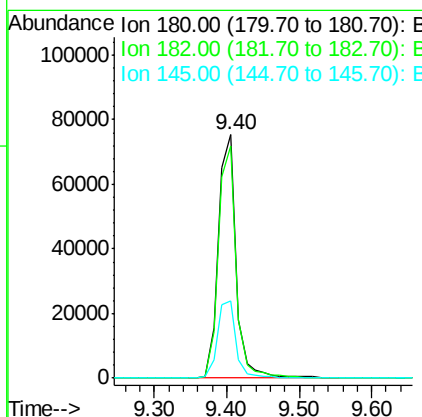
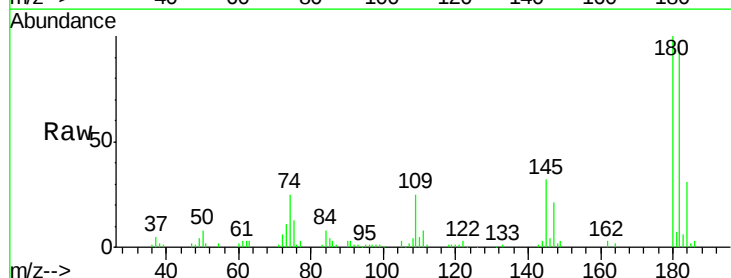
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

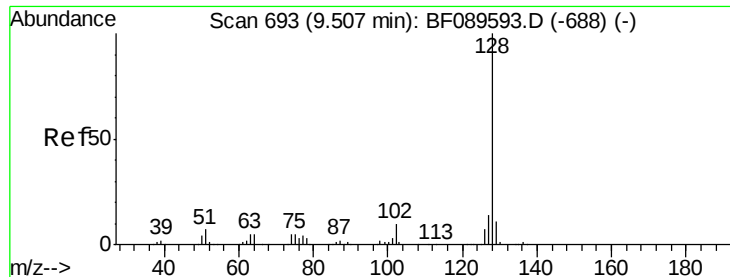
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.1	42.3	82.3
98	36.6	21.2	61.2



#30
 1,2,4-Trichlorobenzene
 Concen: 49.20 ng
 RT: 9.40 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.0	112.6
145	31.7	25.6	38.4

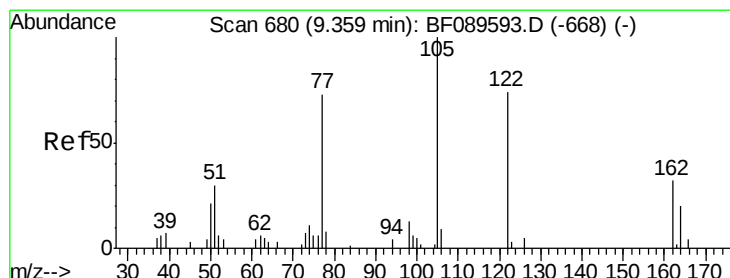
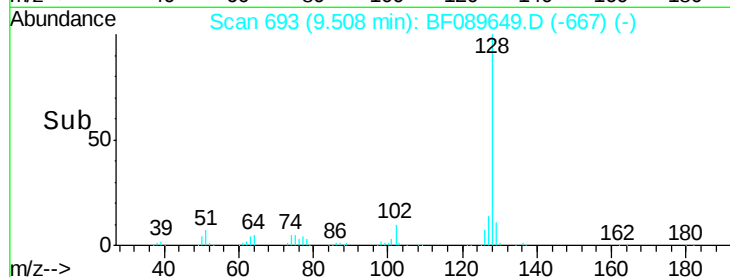
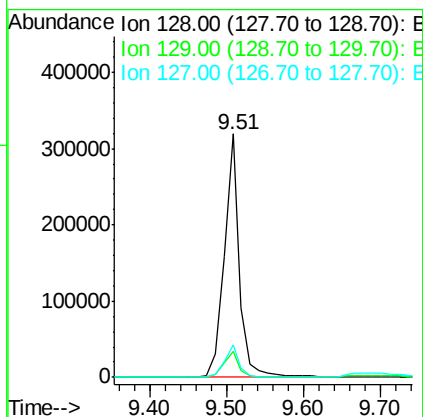
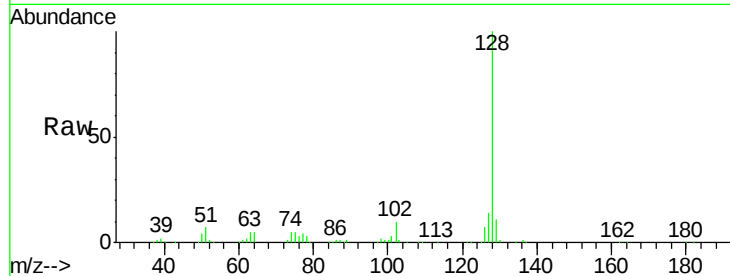




#31
Naphthalene
Concen: 48.94 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

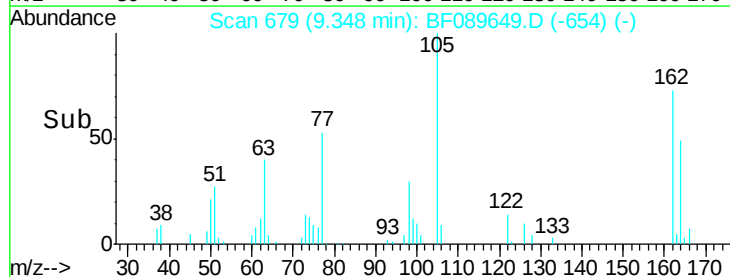
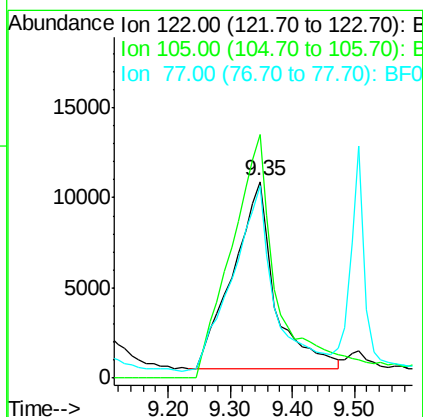
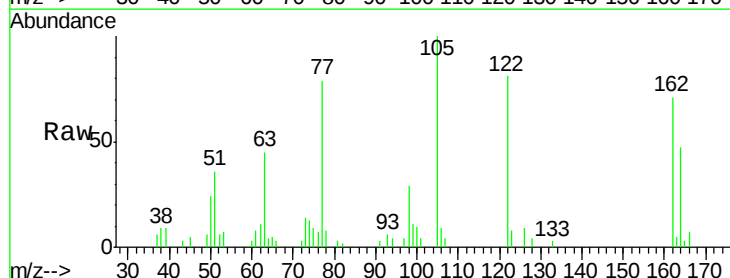
Instrument :
BNA_F
ClientSampleId :
WASTE-GAC-VPMS

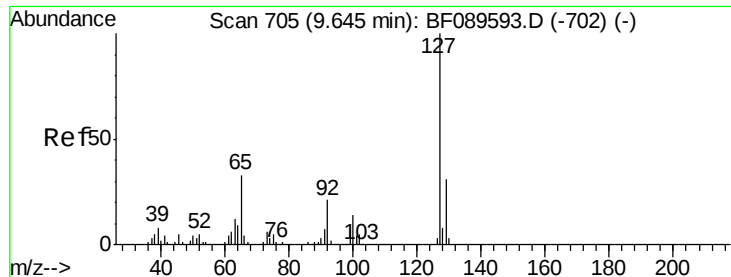
Tgt Ion:128 Resp: 443554
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.6 10.9 16.3



#32
Benzoic acid
Concen: 32.27 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF089649.D
Acq: 6 Aug 2016 4:09

Tgt Ion:122 Resp: 48981
Ion Ratio Lower Upper
122 100
105 123.9 109.9 149.9
77 97.9 77.5 117.5

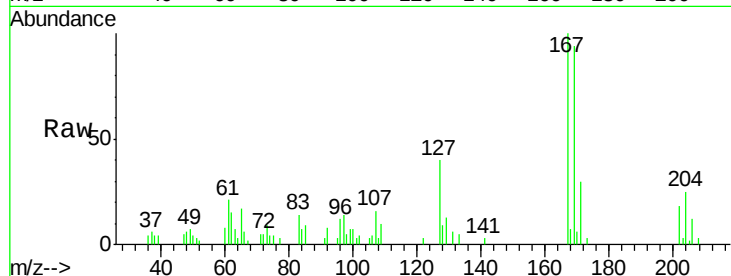




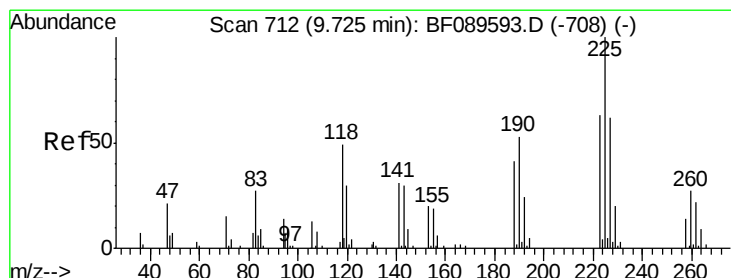
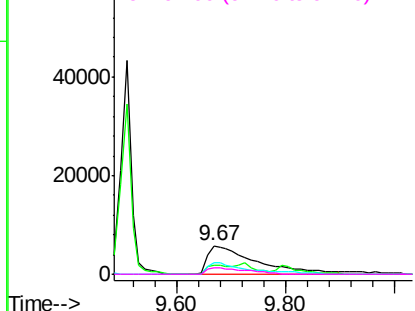
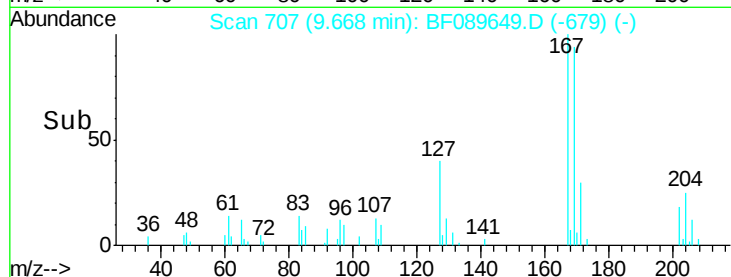
#33
 4-Chloroaniline
 Concen: 10.62 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.02 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion:	127	Resp:	36159
Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.1	37.7
65	41.9	26.2	39.2
92	20.4	16.9	25.3

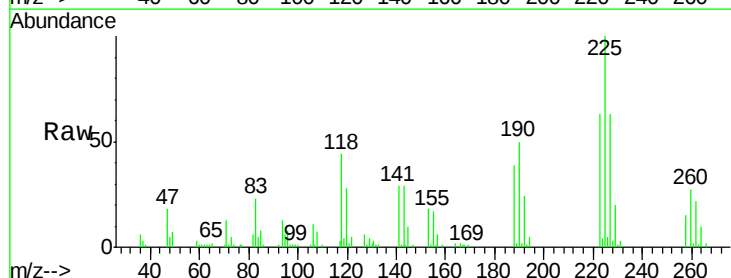


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

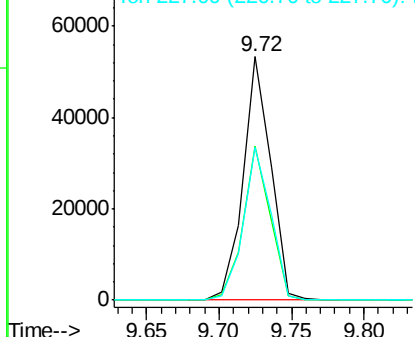
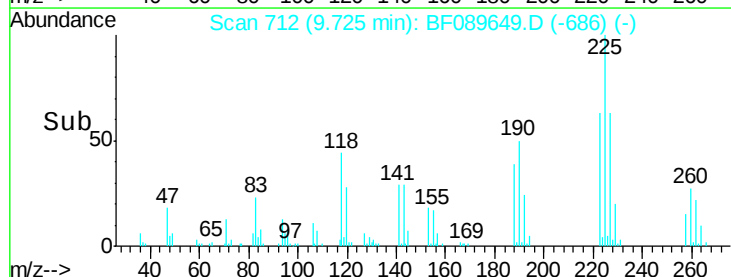


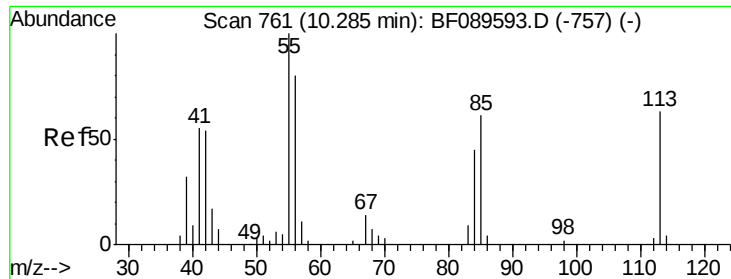
#34
 Hexachlorobutadiene
 Concen: 46.62 ng
 RT: 9.72 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:	225	Resp:	70093
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.7	76.1
227	63.0	49.4	74.0



Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E

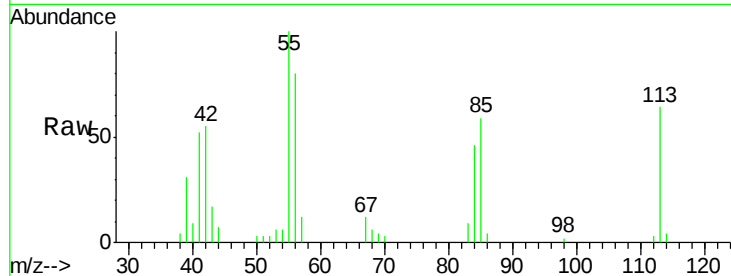




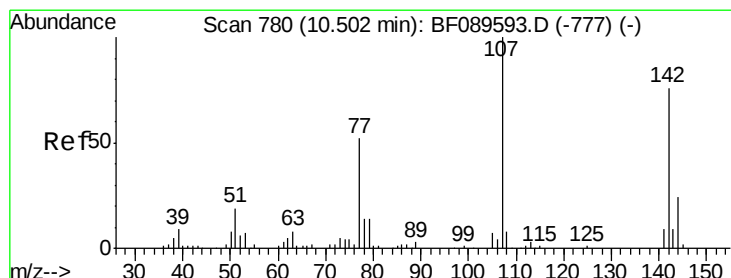
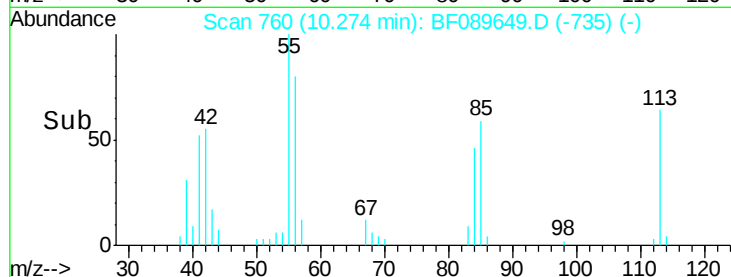
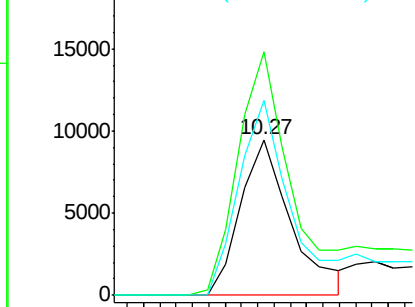
#35
 Caprolactam
 Concen: 30.82 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion:113 Resp: 20536
 Ion Ratio Lower Upper
 113 100
 55 156.2 139.6 179.6
 56 125.2 108.2 148.2

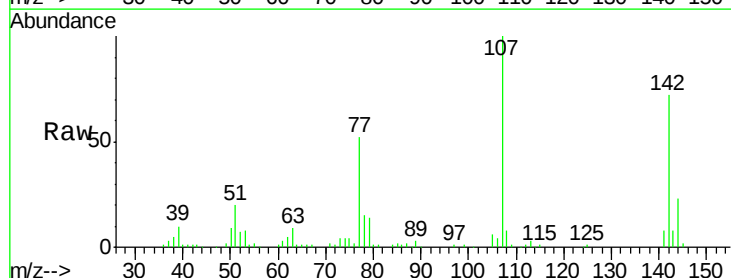


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

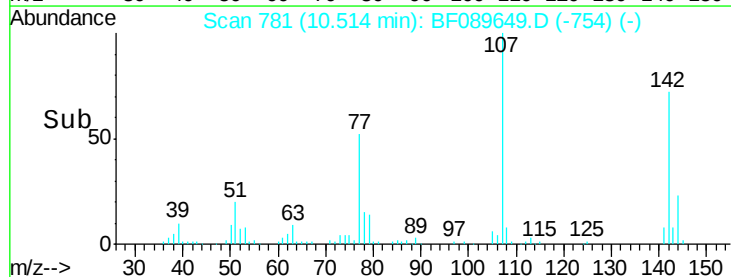
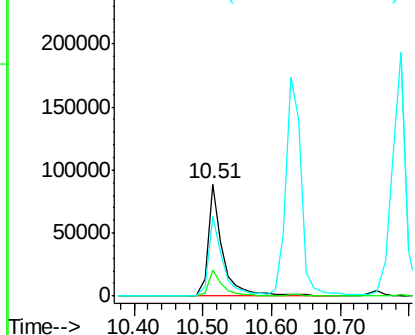


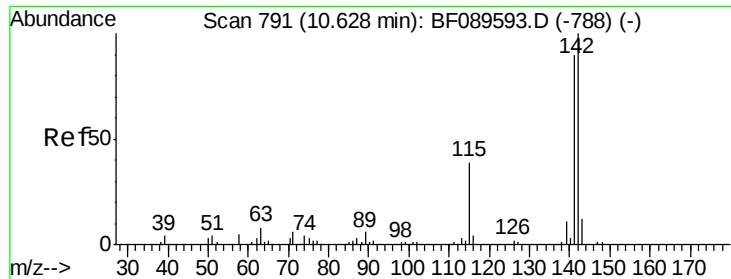
#36
 4-Chloro-3-methylphenol
 Concen: 49.28 ng
 RT: 10.51 min Scan# 781
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:107 Resp: 130949
 Ion Ratio Lower Upper
 107 100
 144 22.9 18.9 28.3
 142 71.7 60.4 90.6



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

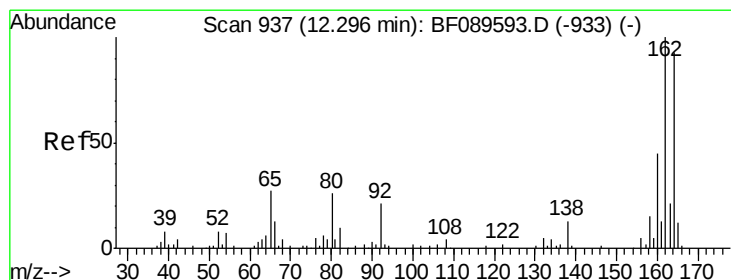
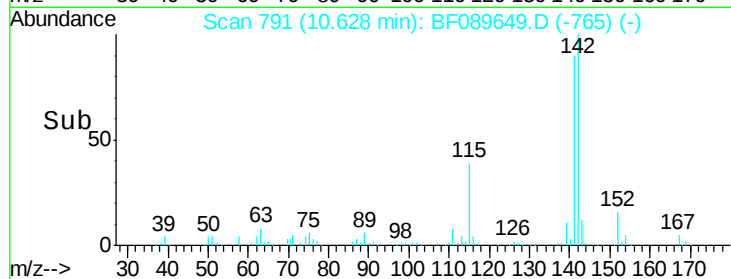
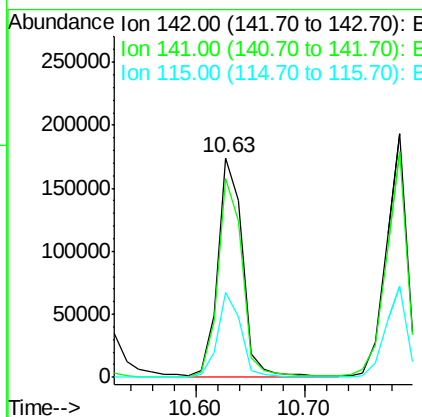
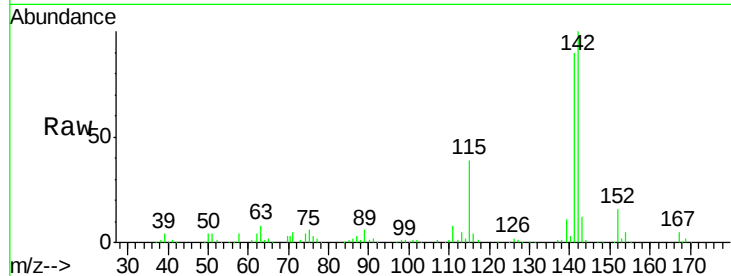




#37
 2-Methylnaphthalene
 Concen: 49.15 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

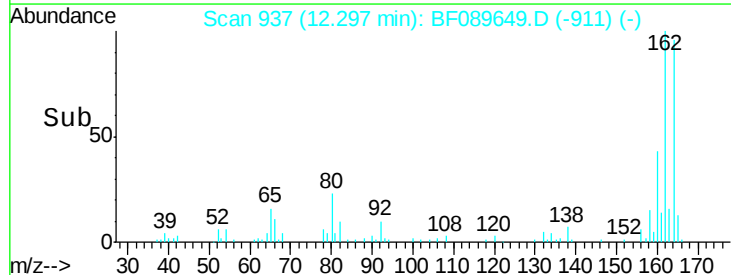
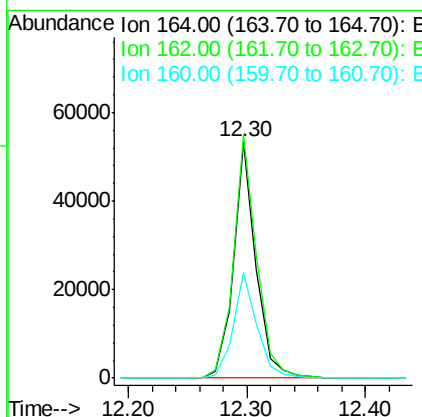
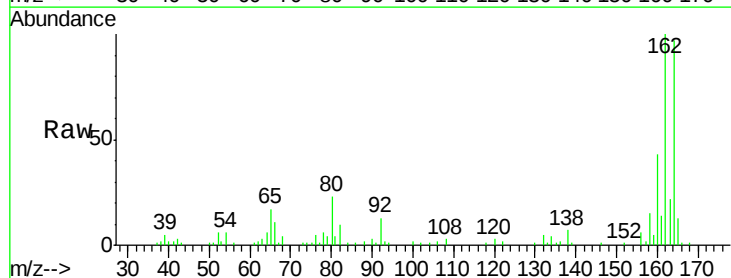
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

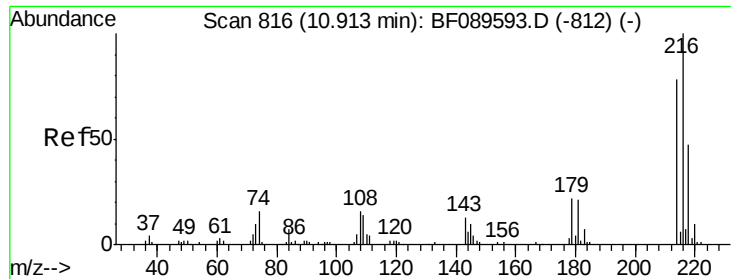
Tgt Ion:142 Resp: 273989
 Ion Ratio Lower Upper
 142 100
 141 90.3 71.8 107.6
 115 38.9 31.0 46.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:164 Resp: 69777
 Ion Ratio Lower Upper
 164 100
 162 103.1 85.7 128.5
 160 44.8 38.2 57.4

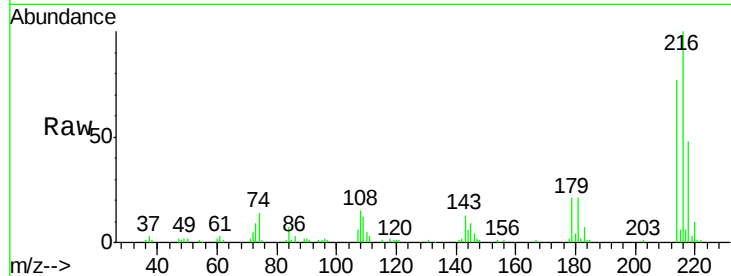




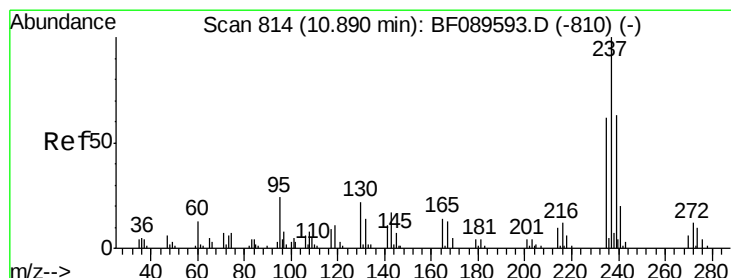
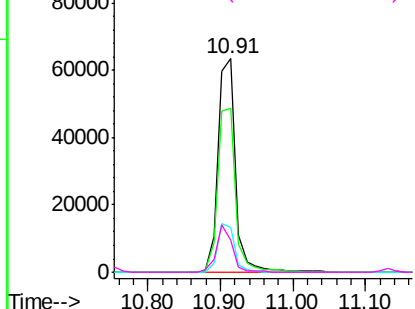
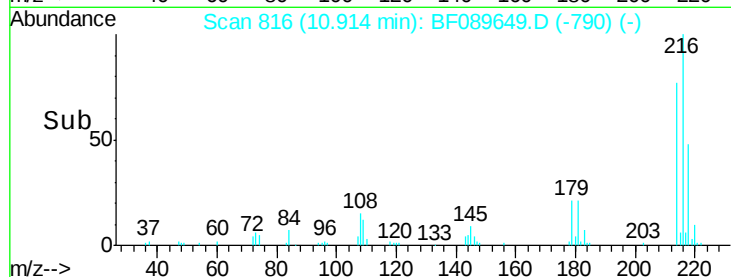
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.48 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion:	216	Resp:	106169
Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.6	94.0
179	21.7	17.8	26.8
108	19.8	16.3	24.5

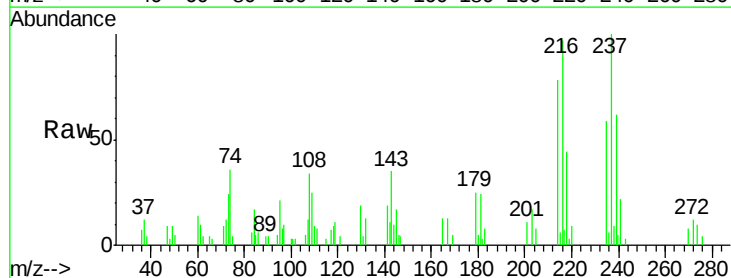


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

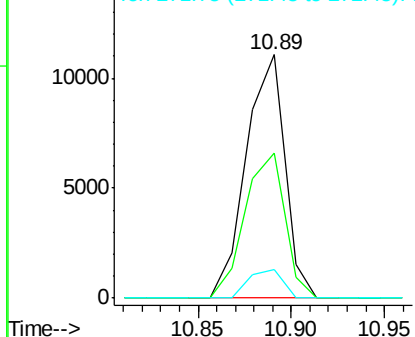
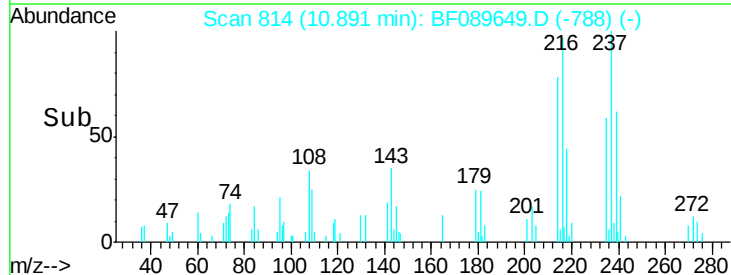


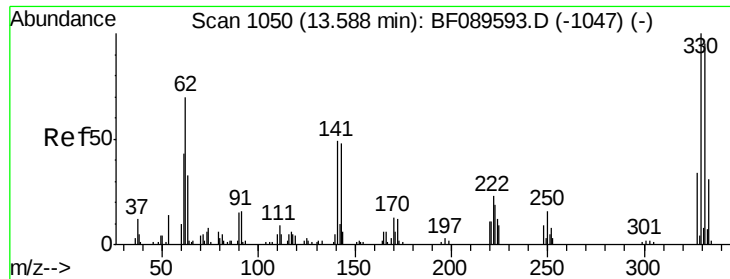
#40
 Hexachlorocyclopentadiene
 Concen: 24.61 ng
 RT: 10.89 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:	237	Resp:	15929
Ion	Ratio	Lower	Upper
237	100		
235	59.5	41.9	81.9
272	11.7	0.0	32.4



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

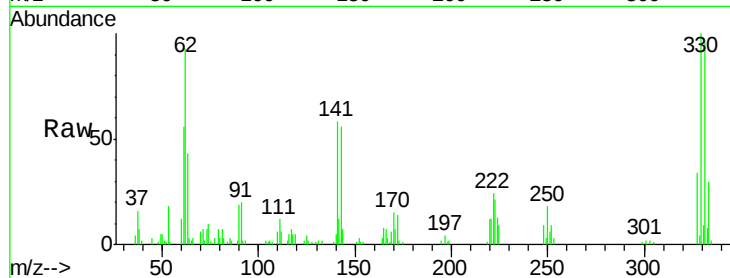




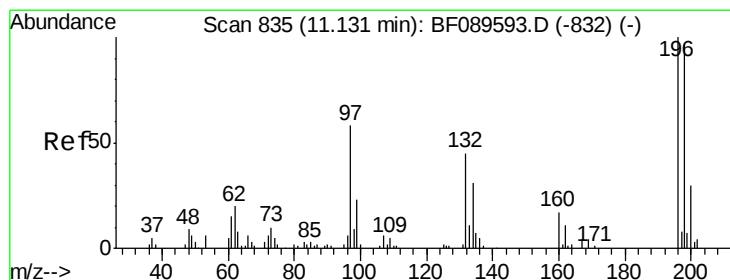
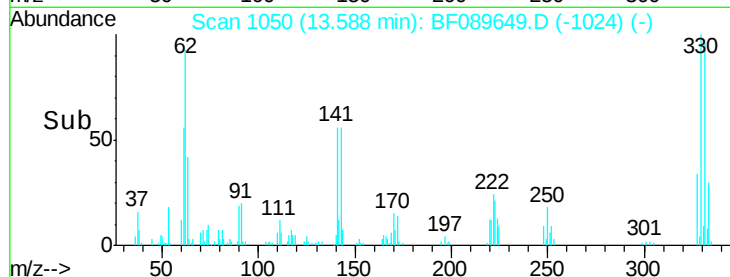
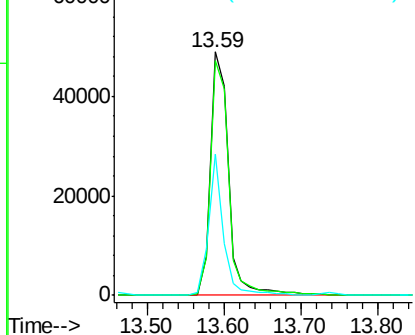
#41
 2,4,6-Tribromophenol
 Concen: 138.23 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion: 330 Resp: 79594
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 47.2 38.6 57.8

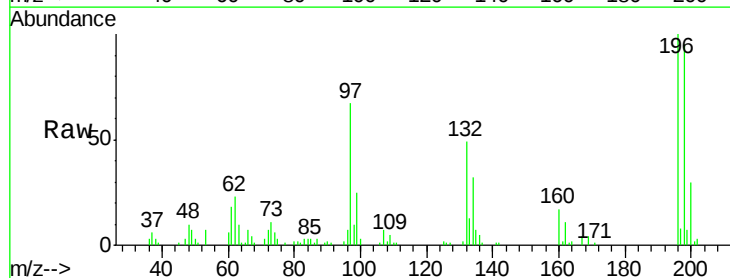


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

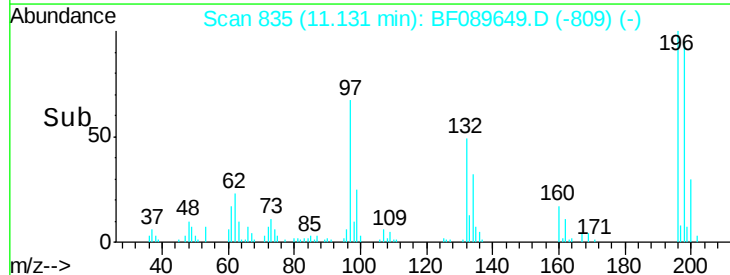
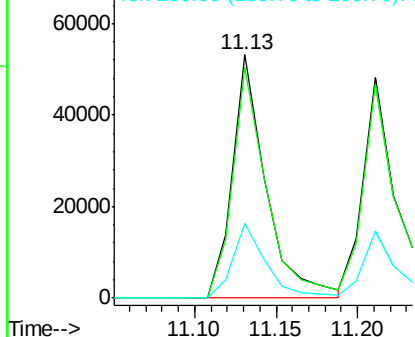


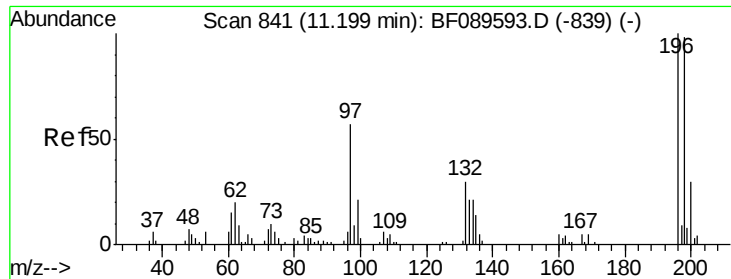
#42
 2,4,6-Trichlorophenol
 Concen: 58.62 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion: 196 Resp: 75832
 Ion Ratio Lower Upper
 196 100
 198 94.6 77.6 116.4
 200 30.5 23.8 35.8



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

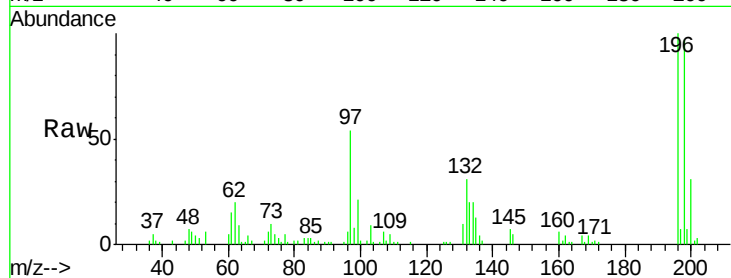




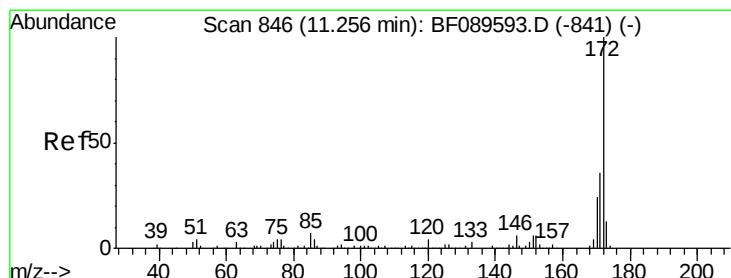
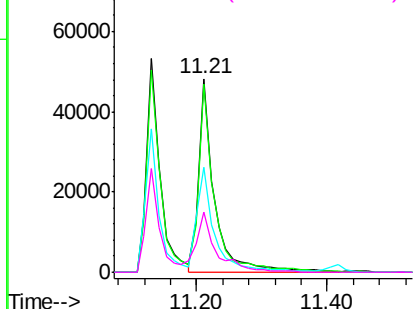
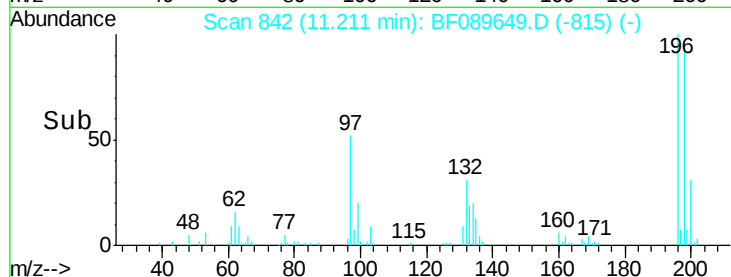
#43
 2,4,5-Trichlorophenol
 Concen: 58.29 ng
 RT: 11.21 min Scan# 842
 Delta R.T. 0.01 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion:196 Resp: 80582
 Ion Ratio Lower Upper
 196 100
 198 96.9 77.8 116.6
 97 54.4 45.8 68.6
 132 31.2 25.1 37.7

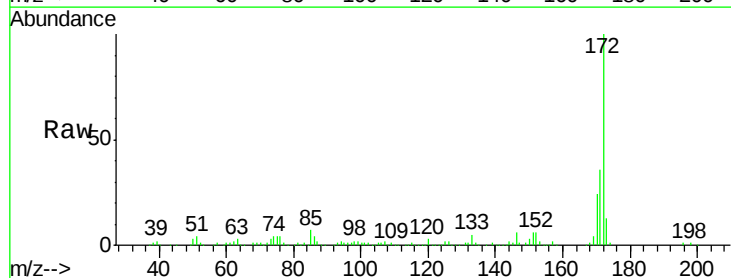


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

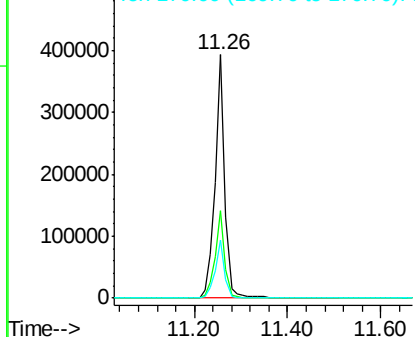
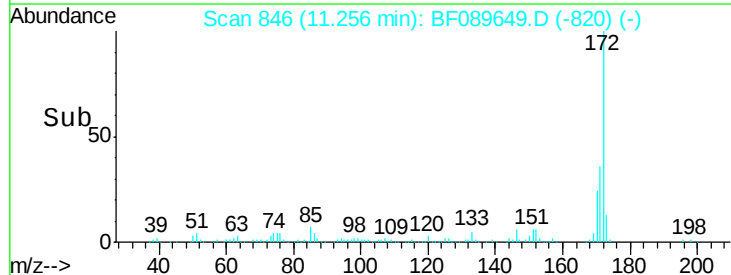


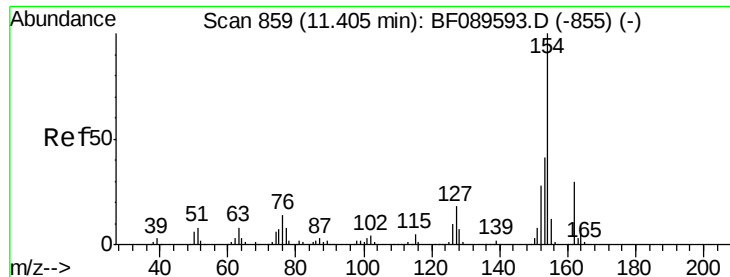
#44
 2-Fluorobiphenyl
 Concen: 107.18 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:172 Resp: 575446
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.9 43.3
 170 23.6 19.0 28.6



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

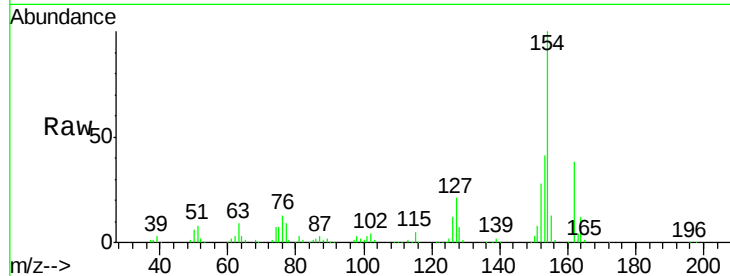




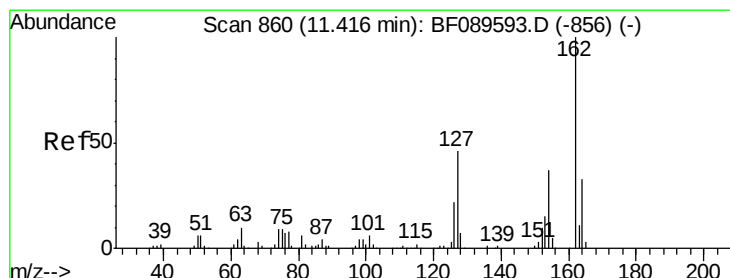
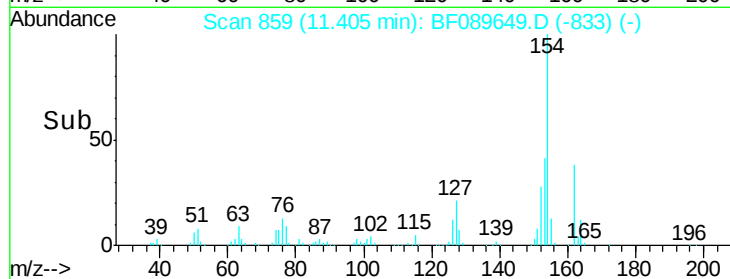
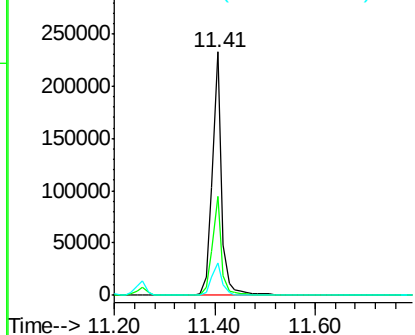
#45
 1,1'-Biphenyl
 Concen: 47.91 ng
 RT: 11.41 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

Tgt Ion:154 Resp: 301456
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.6 60.6
 76 13.4 0.0 33.7

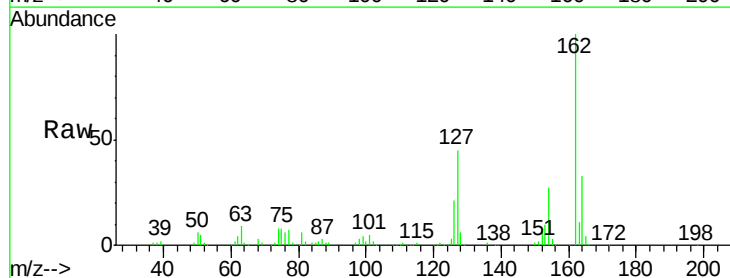


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

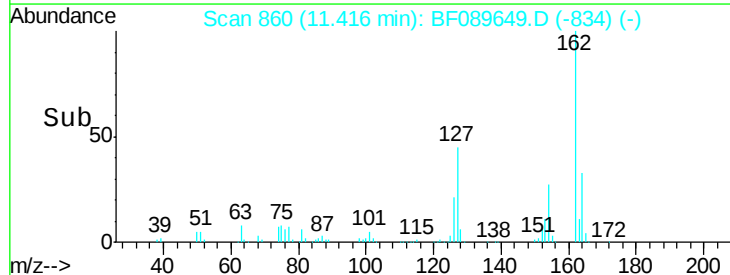
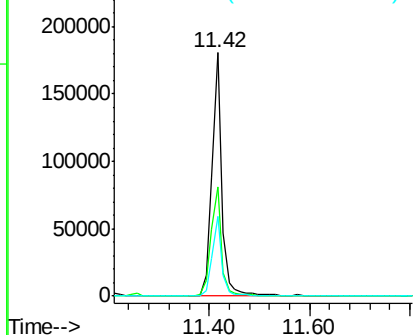


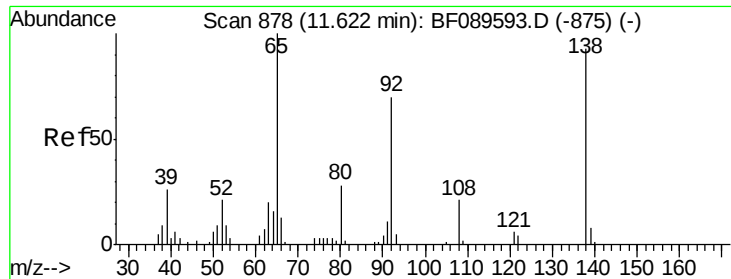
#46
 2-Chloronaphthalene
 Concen: 52.80 ng
 RT: 11.42 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:162 Resp: 249115
 Ion Ratio Lower Upper
 162 100
 127 44.6 36.6 54.8
 164 32.6 26.8 40.2



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: 51.88 ng

RT: 11.62 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

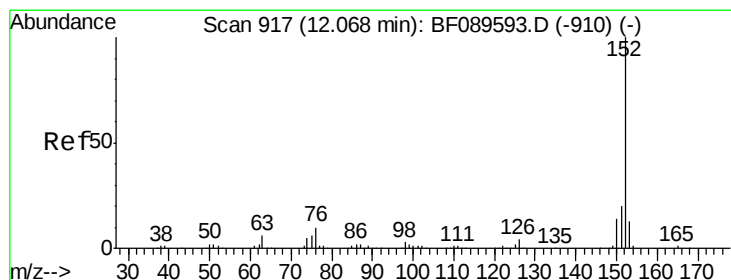
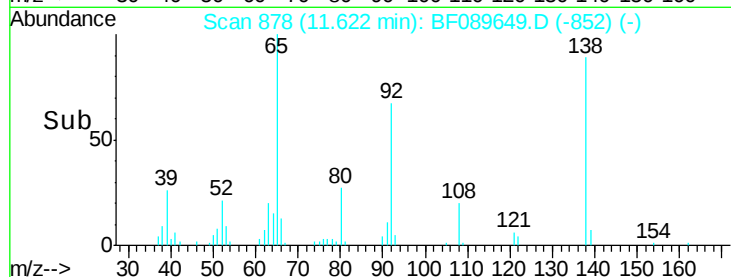
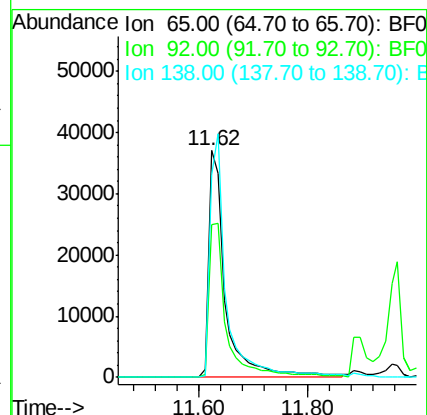
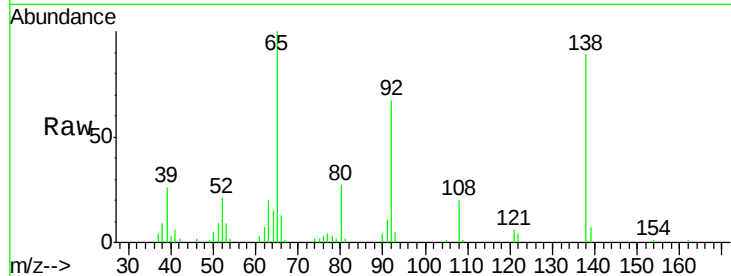
Tgt Ion: 65 Resp: 78898

Ion Ratio Lower Upper

65 100

92 67.4 56.3 84.5

138 89.1 74.3 111.5



#48

Acenaphthylene

Concen: 50.43 ng

RT: 12.07 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

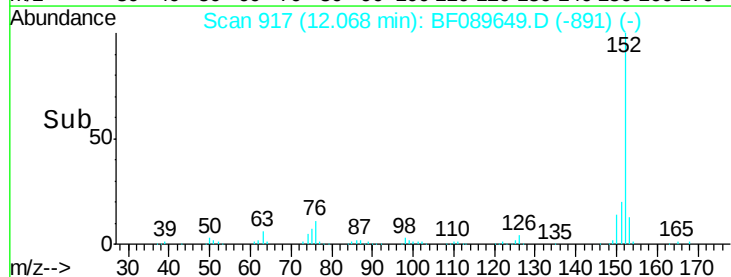
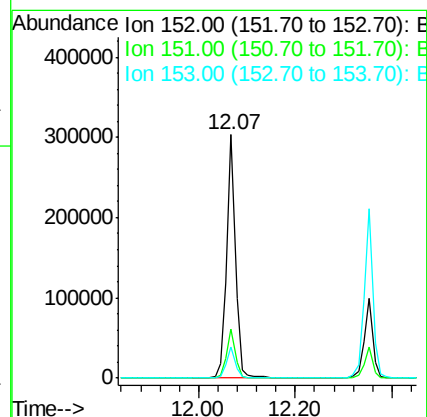
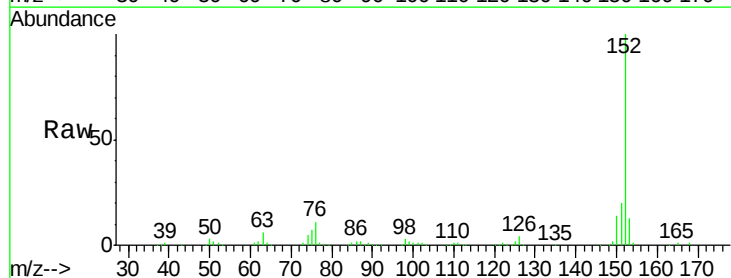
Tgt Ion: 152 Resp: 391910

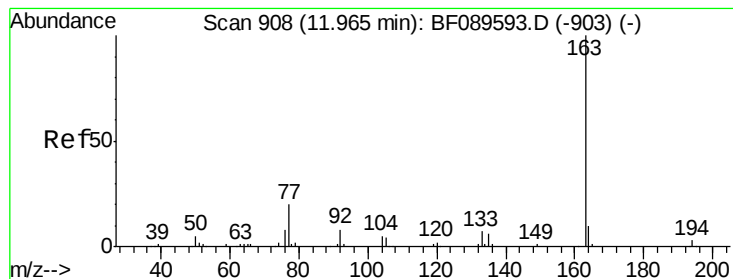
Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 13.0 10.5 15.7





#49

Dimethylphthalate

Concen: 57.86 ng

RT: 11.97 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

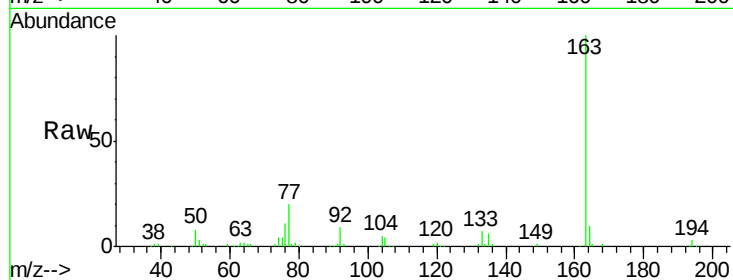
Tgt Ion:163 Resp: 316457

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

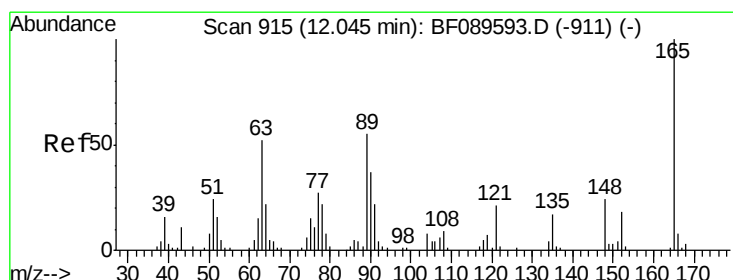
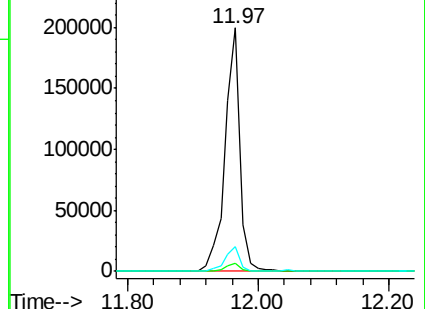
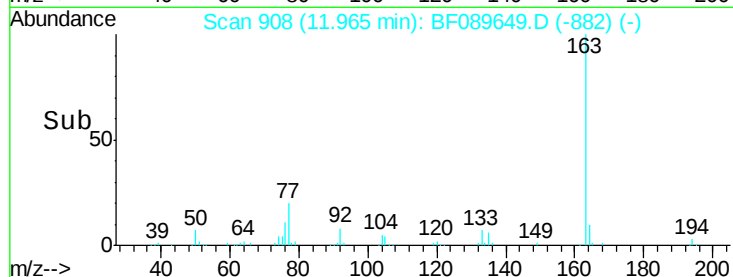
164 10.0 7.8 11.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 57.91 ng

RT: 12.05 min Scan# 915

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

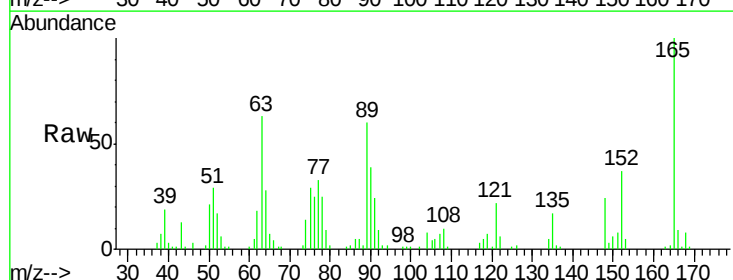
Tgt Ion:165 Resp: 62970

Ion Ratio Lower Upper

165 100

63 63.4 44.6 67.0

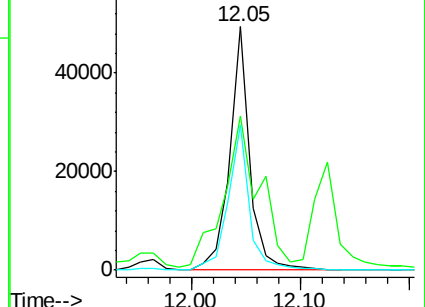
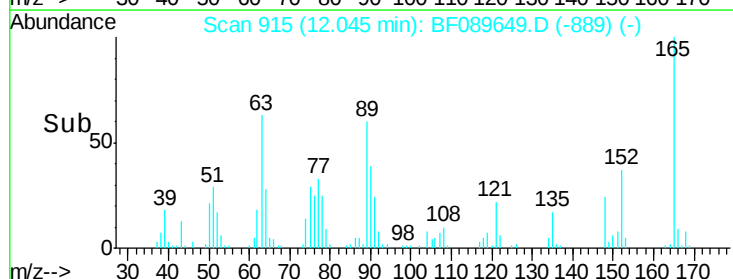
89 59.7 44.2 66.2

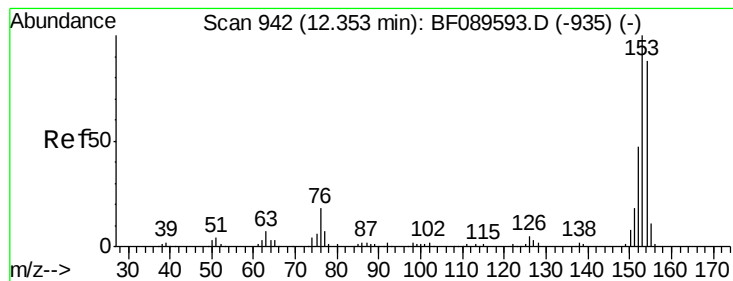


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 51.20 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

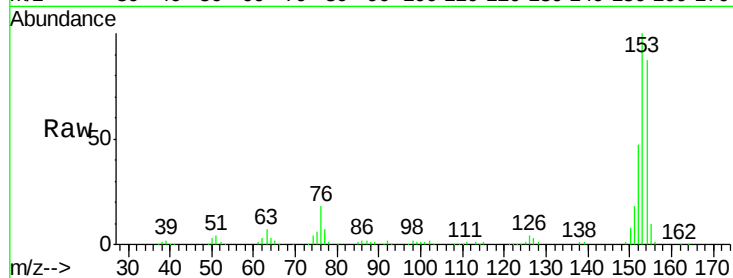
Tgt Ion:154 Resp: 229840

Ion Ratio Lower Upper

154 100

153 115.1 91.1 136.7

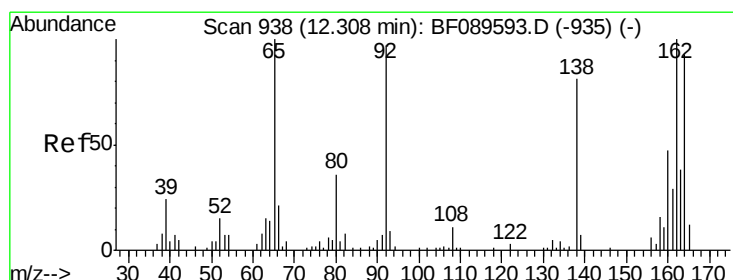
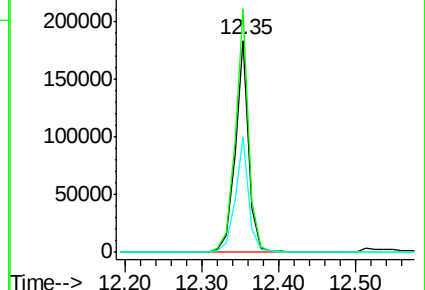
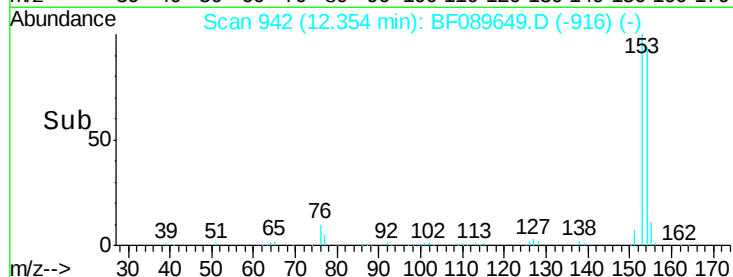
152 54.5 43.5 65.3



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: 32.68 ng

RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

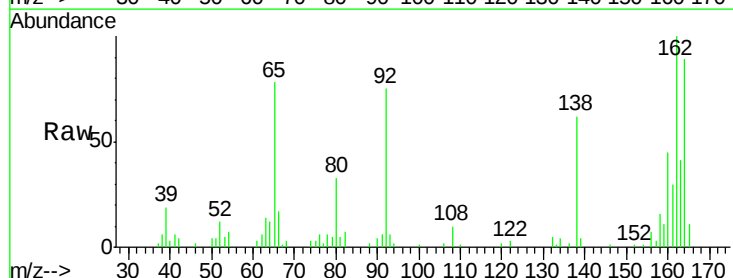
Tgt Ion:138 Resp: 42509

Ion Ratio Lower Upper

138 100

108 15.6 10.7 16.1

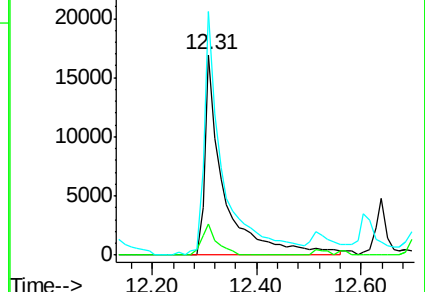
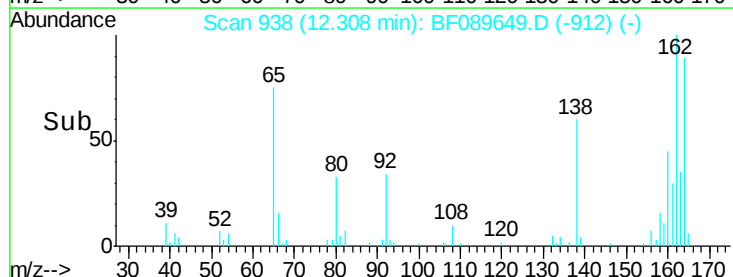
92 121.4 96.6 145.0

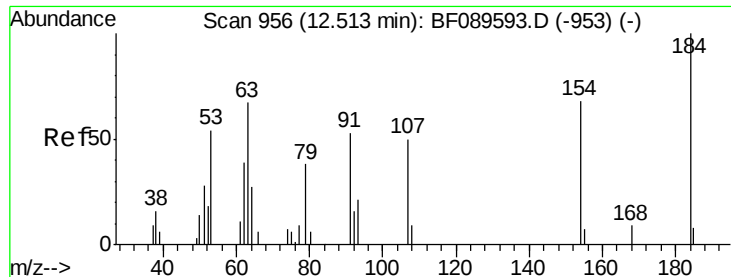


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

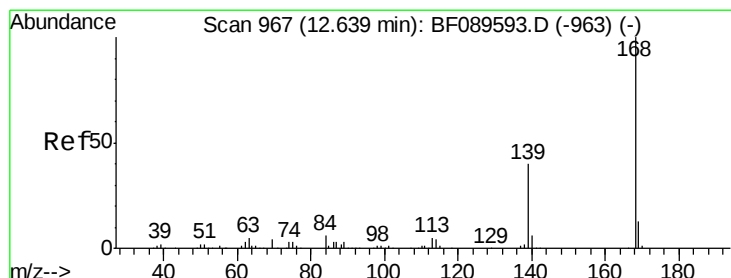
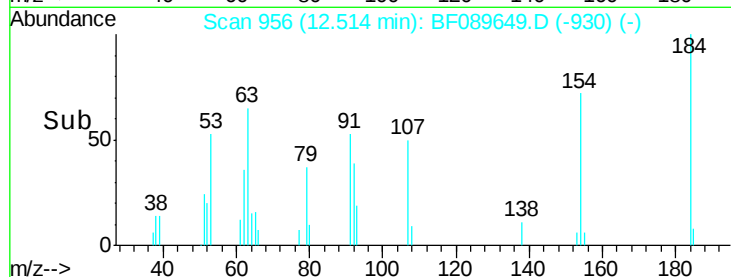
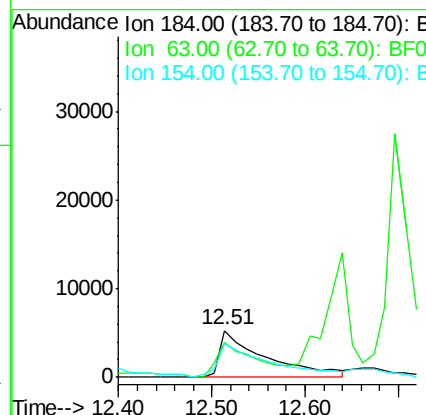
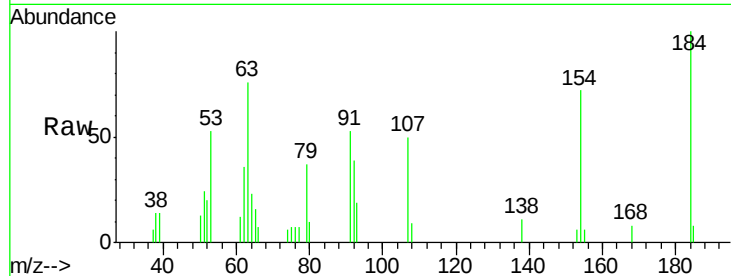




#53
 2,4-Dinitrophenol
 Concen: 46.03 ng
 RT: 12.51 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

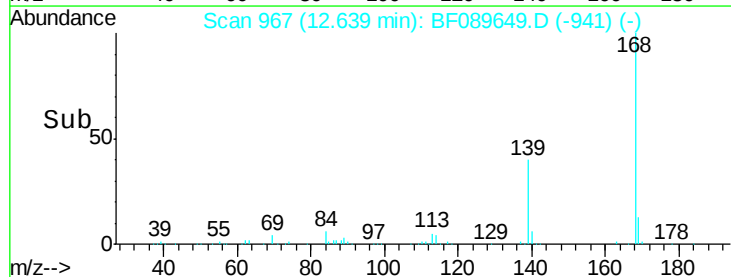
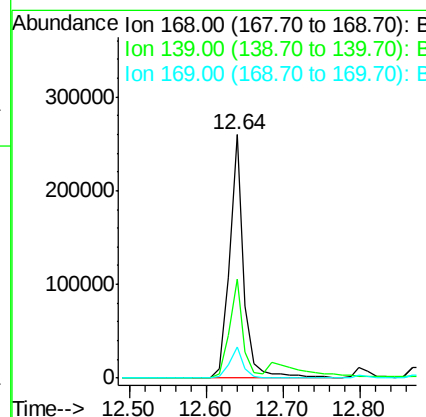
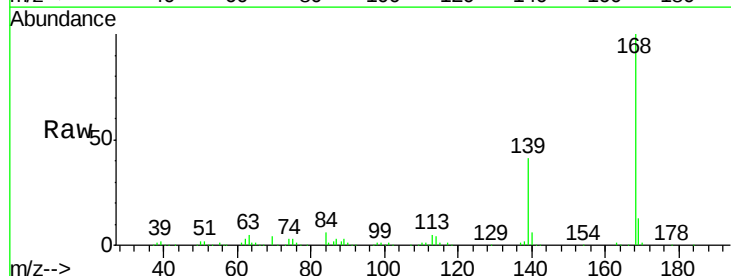
Instrument :
 BNA_F
 ClientSampleId :
 WASTE-GAC-VPMS

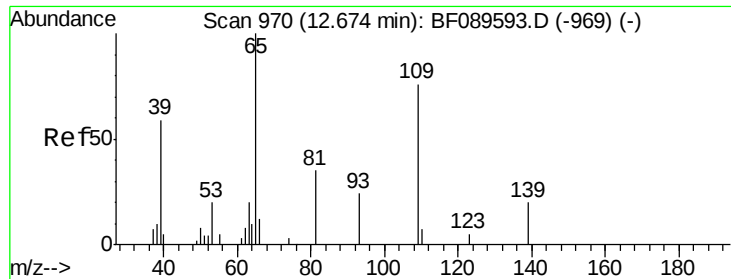
Tgt Ion:184 Resp: 17915
 Ion Ratio Lower Upper
 184 100
 63 76.0 59.0 88.6
 154 72.4 60.0 90.0



#54
 Dibenzofuran
 Concen: 55.66 ng
 RT: 12.64 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF089649.D
 Acq: 6 Aug 2016 4:09

Tgt Ion:168 Resp: 343502
 Ion Ratio Lower Upper
 168 100
 139 40.8 32.3 48.5
 169 12.8 10.6 15.8





#55

4-Nitrophenol

Concen: 88.76 ng

RT: 12.69 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

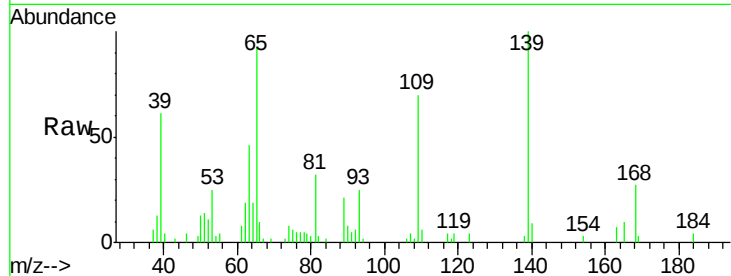
Tgt Ion:139 Resp: 57062

Ion Ratio Lower Upper

139 100

109 70.1 28.9 68.9#

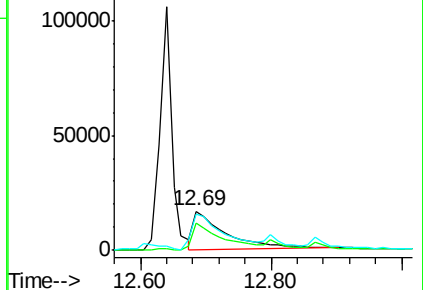
65 92.6 49.2 89.2#



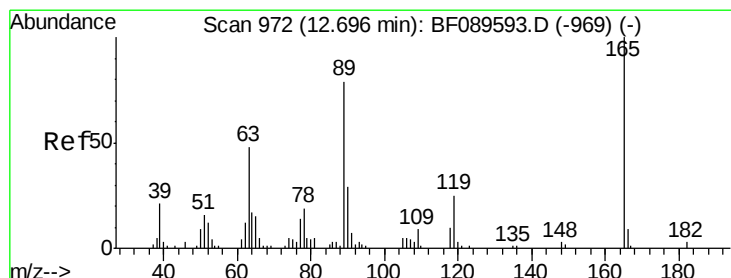
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



Time-->



#56

2,4-Dinitrotoluene

Concen: 51.78 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:165 Resp: 79191

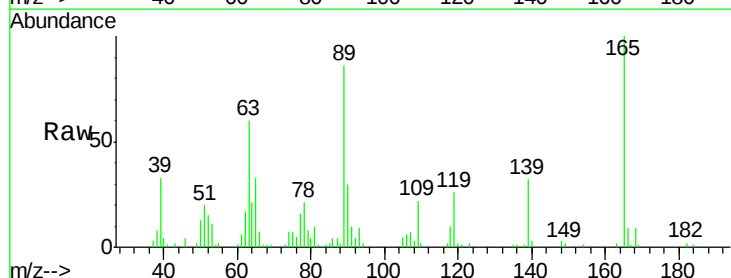
Ion Ratio Lower Upper

165 100

63 60.3 42.2 63.4

89 85.9 64.4 96.6

182 2.4 2.1 3.1

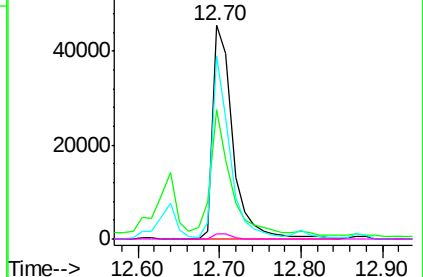


Abundance Ion 165.00 (164.70 to 165.70): E

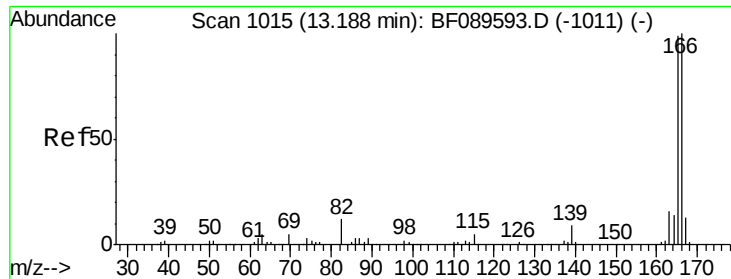
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#57

Fluorene

Concen: 50.24 ng

RT: 13.19 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Instrument :

BNA_F

ClientSampleId :

WASTE-GAC-VPMS

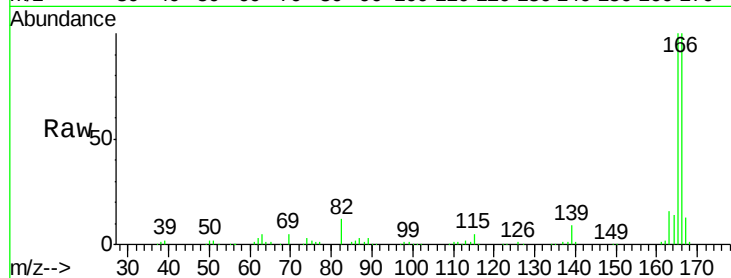
Tgt Ion:166 Resp: 264986

Ion Ratio Lower Upper

166 100

165 99.8 78.9 118.3

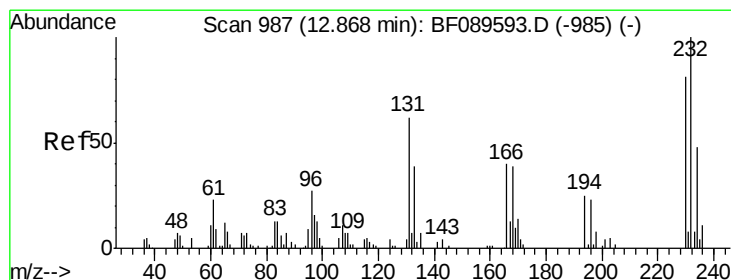
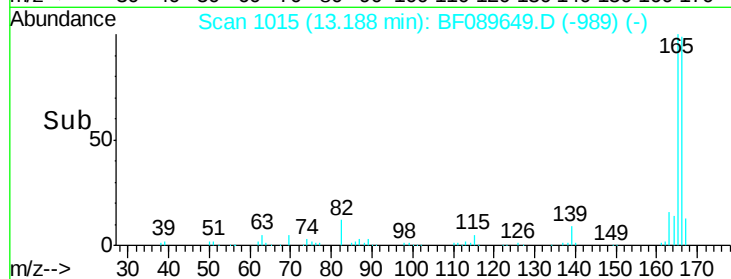
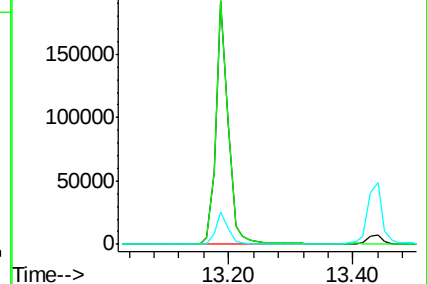
167 13.1 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.98 ng

RT: 12.87 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF089649.D

Acq: 6 Aug 2016 4:09

Tgt Ion:232 Resp: 58755

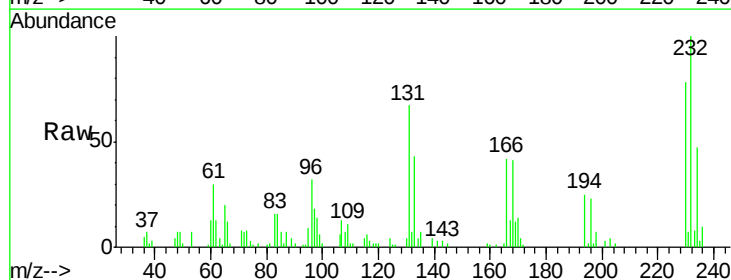
Ion Ratio Lower Upper

232 100

131 54.8 46.2 69.2

130 2.1 1.7 2.5

166 34.1 29.2 43.8



Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

