

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072016\
 Data File : BF089153.D
 Acq On : 21 Jul 2016 1:52
 Operator : UM/SJ
 Sample : H4112-07MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0MS

Quant Time: Jul 21 03:24:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	54143	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	200542	20.00	ng	0.01
38) Acenaphthene-d10	9.64	164	103867	20.00	ng	0.01
63) Phenanthrene-d10	11.11	188	196009	20.00	ng	0.00
75) Chrysene-d12	13.73	240	152738	20.00	ng	0.00
86) Perylene-d12	15.06	264	122343	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	336538	94.53	ng	0.01
7) Phenol-d6	6.27	99	437561	95.31	ng	0.00
23) Nitrobenzene-d5	7.18	82	285264	75.58	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	90449	96.72	ng	0.01
44) 2-Fluorobiphenyl	8.97	172	428728	56.87	ng	0.00
78) Terphenyl-d14	12.68	244	422533	60.00	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.11	88	38281	24.76	ng	# 83
3) Pyridine	2.74	79	101088	25.74	ng	98
4) n-Nitrosodimethylamine	2.71	42	48239	29.18	ng	98
6) Aniline	6.27	93	129980	20.95	ng	# 54
8) 2-Chlorophenol	6.40	128	124411	31.49	ng	98
9) Benzaldehyde	6.15	77	46223	16.50	ng	# 1
10) Phenol	6.28	94	166768	31.53	ng	95
11) bis(2-Chloroethyl)ether	6.35	93	127440	32.08	ng	98
12) 1,3-Dichlorobenzene	6.62	146	120930	27.72	ng	98
13) 1,4-Dichlorobenzene	6.62	146	122731	27.94	ng	98
14) 1,2-Dichlorobenzene	6.78	146	117771	28.43	ng	94
15) Benzyl Alcohol	6.76	79	111534	33.17	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.90	45	125342	27.69	ng	# 60
17) 2-Methylphenol	6.89	107	97333	31.28	ng	99
18) Hexachloroethane	7.11	117	69466	42.06	ng	# 1
19) n-Nitroso-di-n-propylamine	7.04	70	97662	32.52	ng	95
20) 3+4-Methylphenols	7.05	107	129995	30.77	ng	95
22) Acetophenone	7.03	105	169142	31.58	ng	# 96
24) Nitrobenzene	7.20	77	156933	39.42	ng	# 95
25) Isophorone	7.44	82	280610	40.34	ng	# 92
26) 2-Nitrophenol	7.52	139	60240	32.45	ng	# 81
27) 2,4-Dimethylphenol	7.56	122	112679	36.02	ng	98
28) bis(2-Chloroethoxy)methane	7.66	93	156391	35.94	ng	# 80
29) 2,4-Dichlorophenol	7.77	162	95674	33.94	ng	96
30) 1,2,4-Trichlorobenzene	7.84	180	99726	31.96	ng	95
31) Naphthalene	7.92	128	401940	37.14	ng	96
32) Benzoic acid	7.67	122	9114	3.79	ng	# 1
33) 4-Chloroaniline	7.98	127	72338	15.89	ng	# 85
34) Hexachlorobutadiene	8.04	225	50530	29.09	ng	98
35) Caprolactam	8.34	113	99351	113.48	ng	# 22
36) 4-Chloro-3-methylphenol	8.48	107	119940	35.31	ng	97
37) 2-Methylnaphthalene	8.62	142	323699	46.89	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	85286	22.09	ng	# 95
40) Hexachlorocyclopentadiene	8.76	237	60936	50.62	ng	98

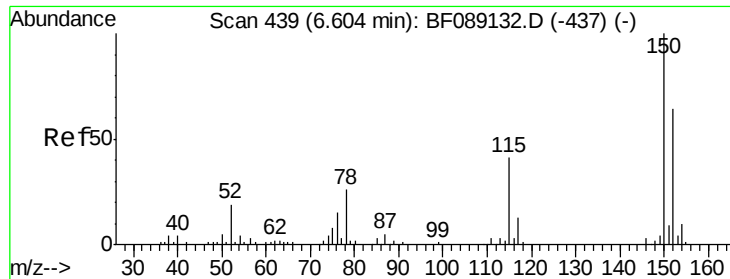
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	62853	29.09	ng	98
43) 2,4,5-Trichlorophenol	8.95	196	55513	25.59	ng #	38
45) 1,1'-Biphenyl	9.07	154	255351	27.30	ng	98
46) 2-Chloronaphthalene	9.10	162	197129	27.73	ng	99
47) 2-Nitroaniline	9.36	65	12053	4.94	ng	94
48) Acenaphthylene	9.51	152	334226	29.91	ng #	95
49) Dimethylphthalate	9.38	163	337798	42.38	ng	98
50) 2,6-Dinitrotoluene	9.44	165	51263	28.49	ng #	48
51) Acenaphthene	9.68	154	214263	32.41	ng	97
52) 3-Nitroaniline	9.61	138	58333	27.30	ng #	89
53) 2,4-Dinitrophenol	9.72	184	16269	24.37	ng #	70
54) Dibenzofuran	9.85	168	311213	34.84	ng #	94
55) 4-Nitrophenol	9.79	139	91586	70.83	ng	89
56) 2,4-Dinitrotoluene	9.85	165	92846	40.06	ng #	85
57) Fluorene	10.19	166	267898	35.33	ng	98
58) 2,3,4,6-Tetrachlorophenol	9.98	232	53242	34.18	ng #	90
59) Diethylphthalate	10.08	149	258942	32.76	ng	97
60) 4-Chlorophenyl-phenylether	10.18	204	101763	29.40	ng #	70
61) 4-Nitroaniline	10.22	138	57620	27.71	ng	98
62) Azobenzene	10.34	77	288367	33.57	ng	86
64) 4,6-Dinitro-2-methylphenol	10.25	198	26166	22.93	ng #	28
65) n-Nitrosodiphenylamine	10.31	169	283246	43.24	ng	87
66) 4-Bromophenyl-phenylether	10.66	248	59564	30.71	ng #	81
67) Hexachlorobenzene	10.73	284	58869	28.22	ng #	49
68) Atrazine	10.83	200	65045	31.75	ng	94
69) Pentachlorophenol	10.92	266	62152	64.58	ng	97
70) Phenanthrene	11.14	178	426382	39.65	ng	99
71) Anthracene	11.19	178	397868	35.60	ng	99
72) Carbazole	11.35	167	346252	35.27	ng	98
73) Di-n-butylphthalate	11.68	149	390140	32.13	ng	100
74) Fluoranthene	12.31	202	357917	31.67	ng	99
76) Benzidine	12.44	184	186667	35.55	ng	98
77) Pyrene	12.54	202	398179	31.57	ng	100
79) Butylbenzylphthalate	13.17	149	184923	34.66	ng	92
80) Benzo(a)anthracene	13.71	228	301384	30.98	ng	100
81) 3,3'-Dichlorobenzidine	13.69	252	65284	20.23	ng #	95
82) Chrysene	13.75	228	255112	27.46	ng	99
83) Bis(2-ethylhexyl)phthalate	13.73	149	227874	32.20	ng	98
84) Di-n-octyl phthalate	14.33	149	365785	31.32	ng	99
85) Indeno(1,2,3-cd)pyrene	16.30	276	215428	31.92	ng	99
87) Benzo(b)fluoranthene	14.71	252	475206	53.63	ng #	95
88) Benzo(k)fluoranthene	14.71	252	475206	75.00	ng #	97
89) Benzo(a)pyrene	15.02	252	228170	33.17	ng #	97
90) Dibenzo(a,h)anthracene	16.31	278	181088	33.34	ng	98
91) Benzo(g,h,i)perylene	16.66	276	179508	32.78	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

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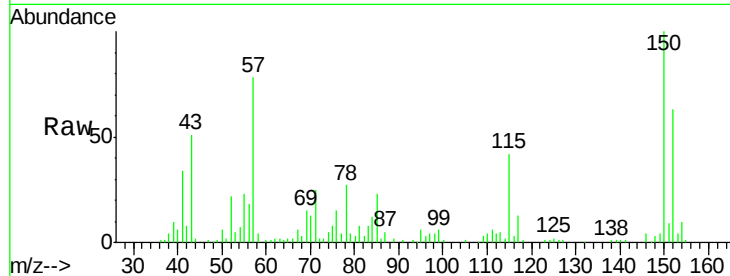
Tgt Ion:152 Resp: 54143

Ion Ratio Lower Upper

152 100

150 159.7 125.1 187.7

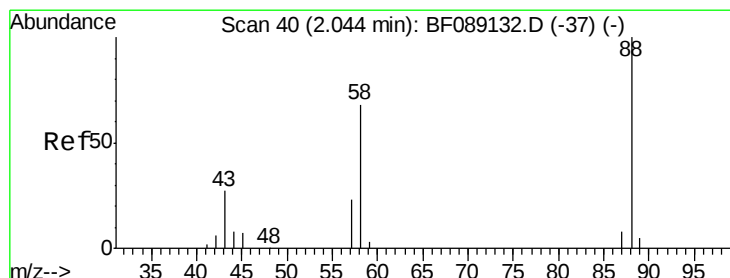
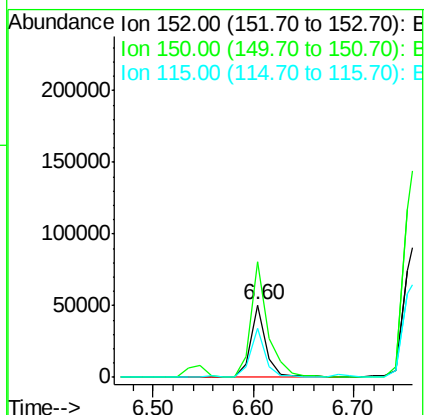
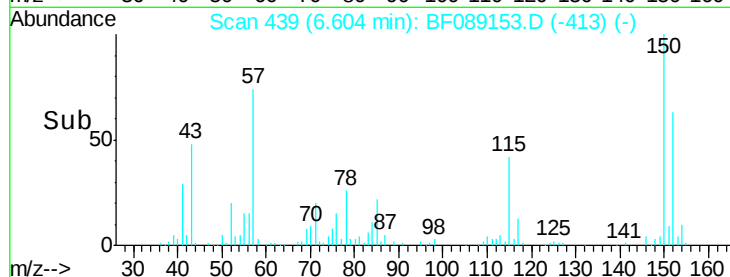
115 67.0 51.1 76.7



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: 24.76 ng

RT: 2.11 min Scan# 46

Delta R.T. 0.07 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

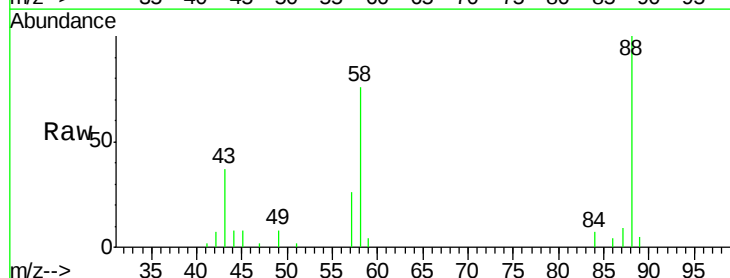
Tgt Ion: 88 Resp: 38281

Ion Ratio Lower Upper

88 100

58 76.3 49.2 73.8#

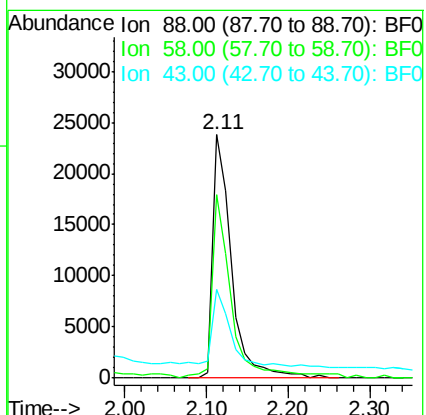
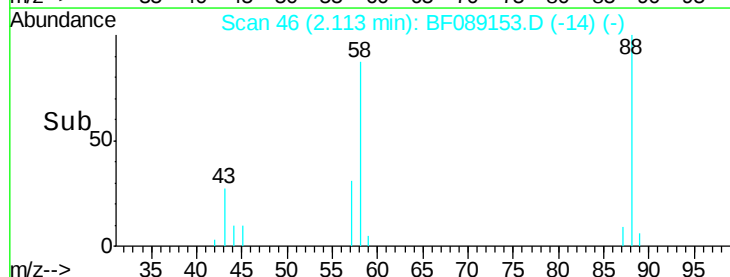
43 31.0 20.6 30.8#



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: 25.74 ng

RT: 2.74 min Scan# 101

Delta R.T. 0.07 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

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ClientSampleId :

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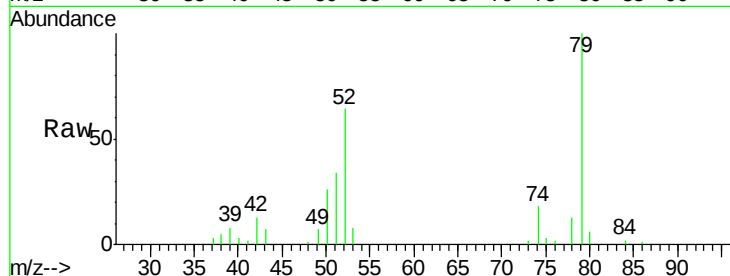
Tgt Ion: 79 Resp: 101088

Ion Ratio Lower Upper

79 100

52 63.8 52.9 79.3

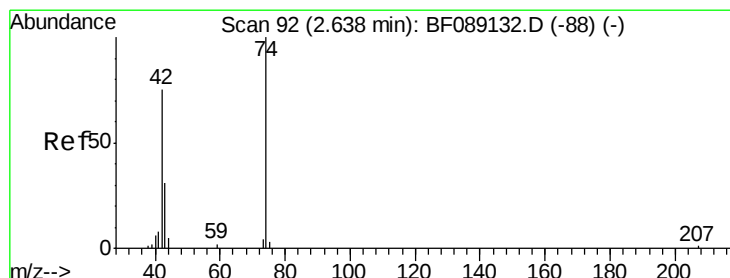
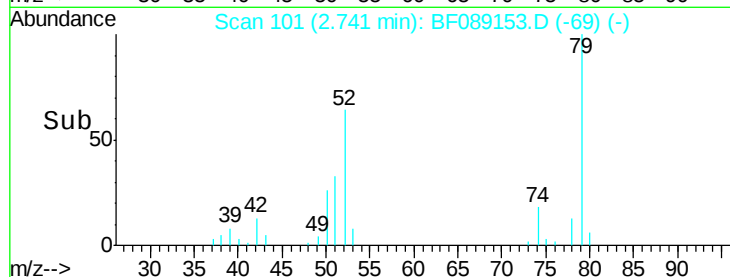
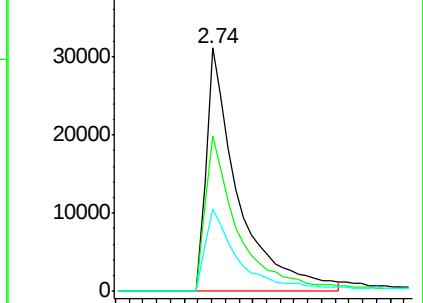
51 33.9 27.0 40.6



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: 29.18 ng

RT: 2.71 min Scan# 98

Delta R.T. 0.07 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

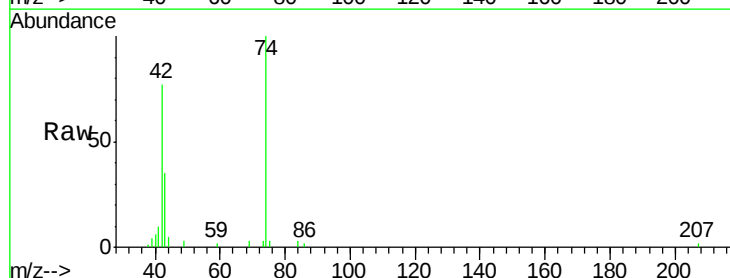
Tgt Ion: 42 Resp: 48239

Ion Ratio Lower Upper

42 100

74 130.7 106.4 159.6

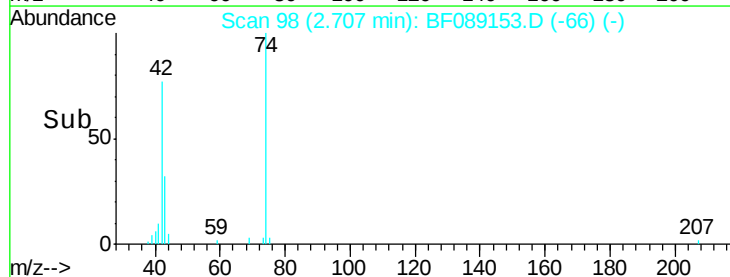
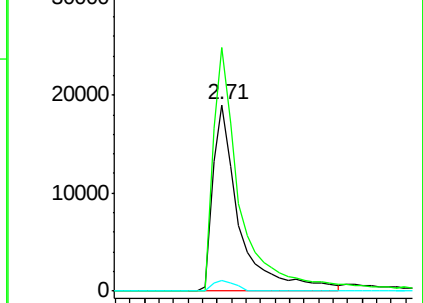
44 5.9 5.2 7.8

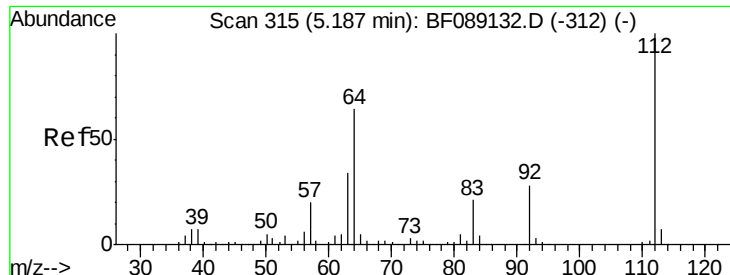


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 94.53 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF089153.D

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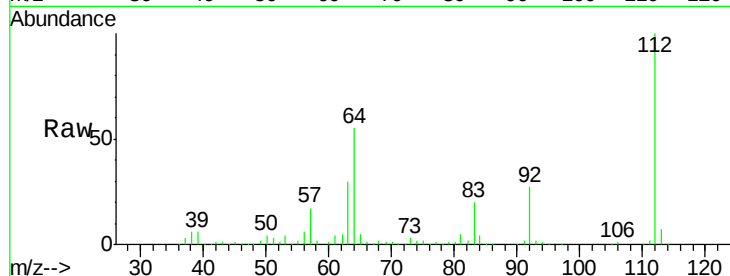
Tgt Ion: 112 Resp: 336538

Ion Ratio Lower Upper

112 100

64 55.3 51.0 76.4

63 29.9 27.3 40.9



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

300000

250000

200000

150000

100000

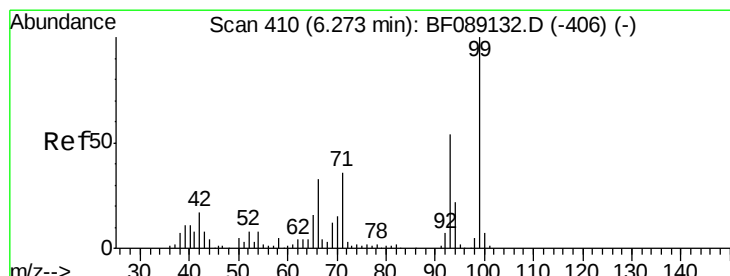
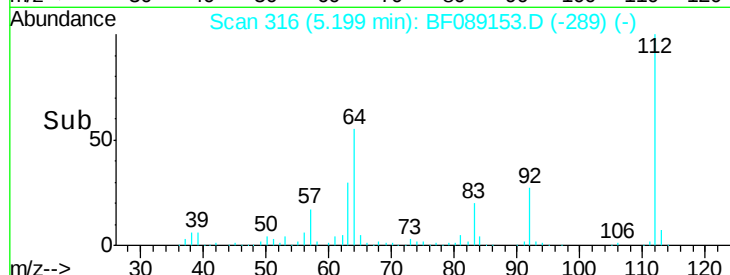
50000

0

5.20

5.40

Time-->



#6

Aniline

Concen: 20.95 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

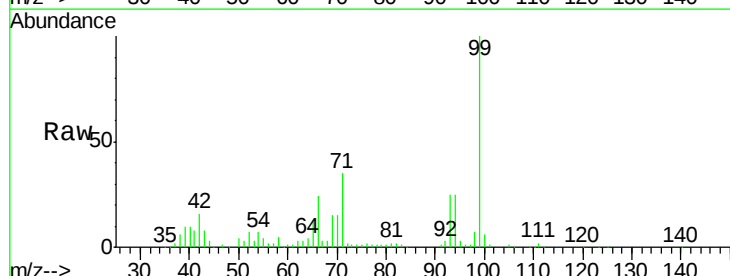
Tgt Ion: 93 Resp: 129980

Ion Ratio Lower Upper

93 100

66 98.3 48.9 73.3#

65 51.1 23.9 35.9#



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

100000

50000

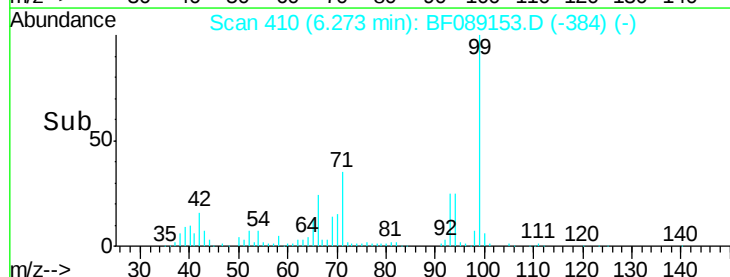
0

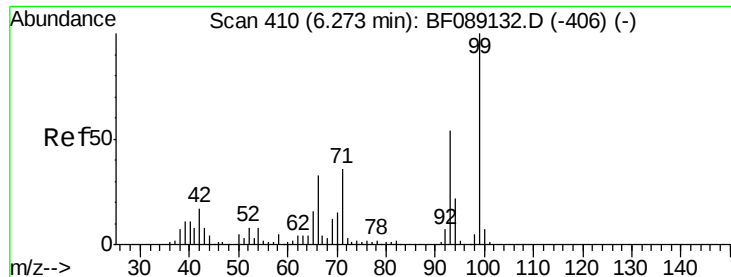
6.27

6.30

6.35

Time-->





#7

Phenol-d6

Concen: 95.31 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

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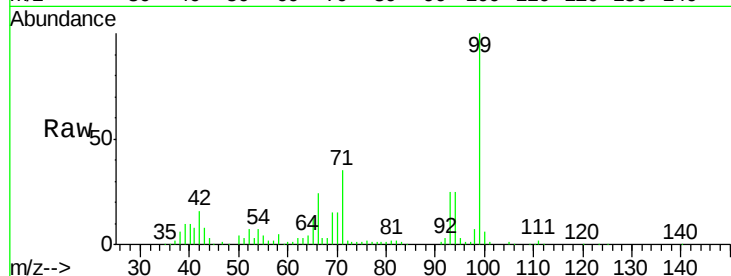
Tgt Ion: 99 Resp: 437561

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

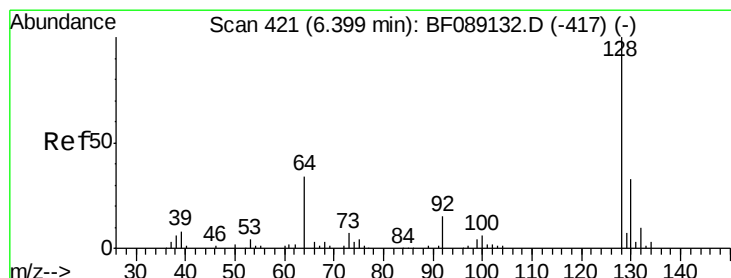
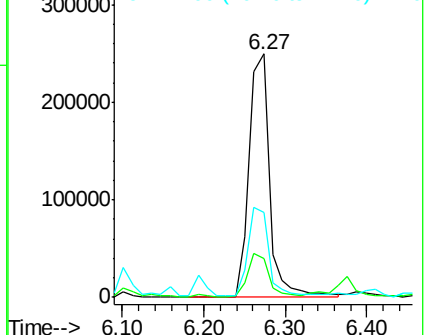
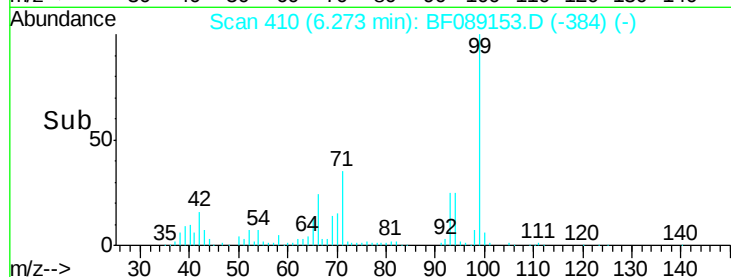
71 35.0 28.9 43.3



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: 31.49 ng

RT: 6.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

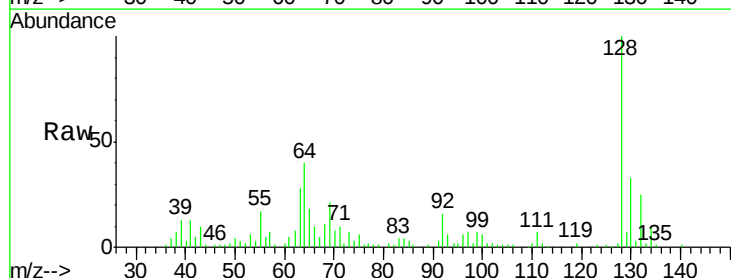
Tgt Ion: 128 Resp: 124411

Ion Ratio Lower Upper

128 100

130 32.8 12.6 52.6

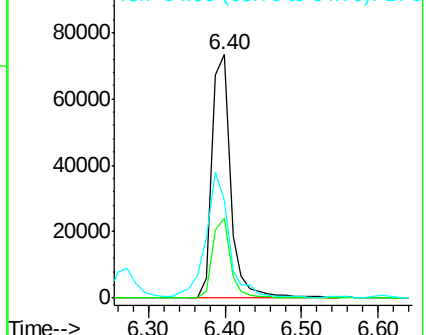
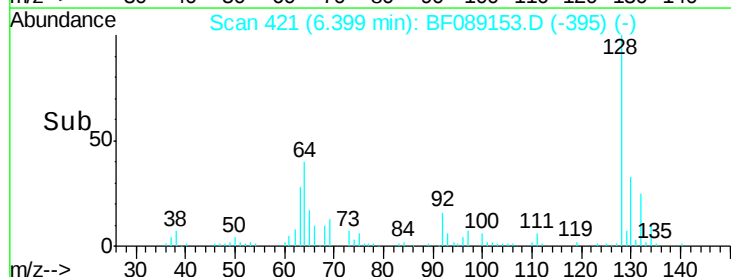
64 40.0 17.5 57.5

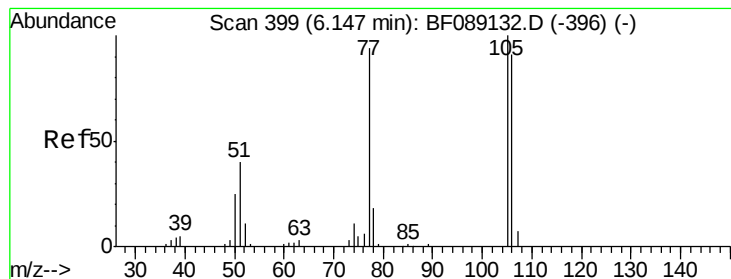


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.50 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

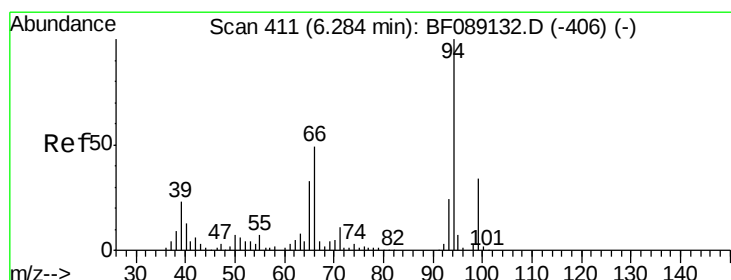
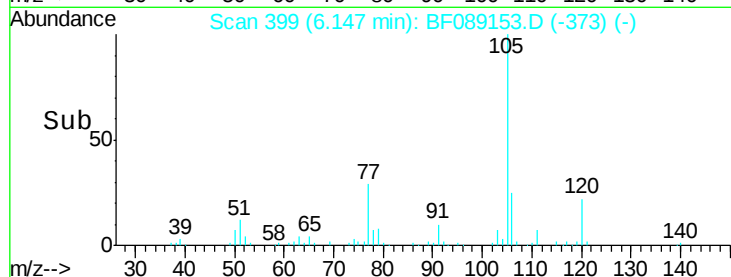
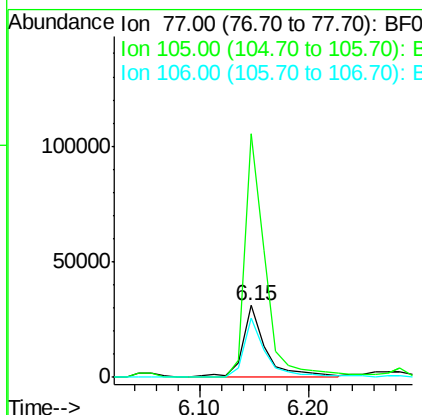
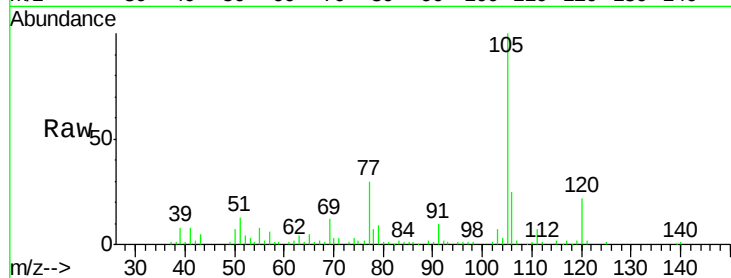
Instrument :

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Tgt Ion:	77	Resp:	46223
Ion	Ratio	Lower	Upper
77	100		
105	338.4	86.2	126.2#
106	83.3	76.3	116.3



#10

Phenol

Concen: 31.53 ng

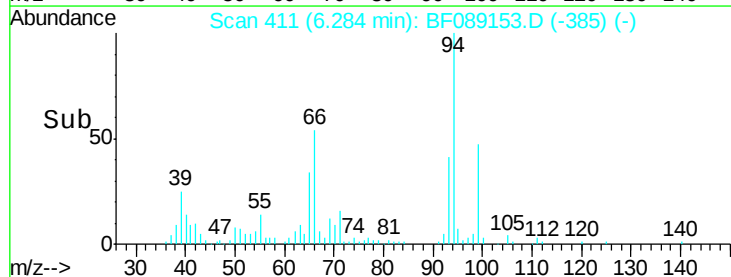
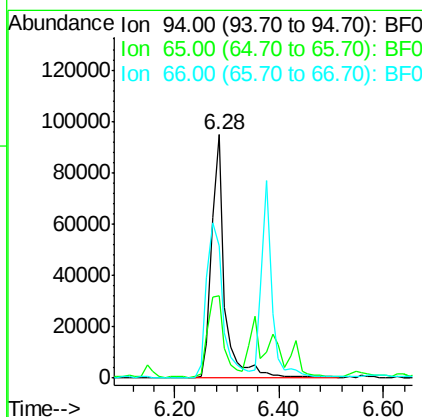
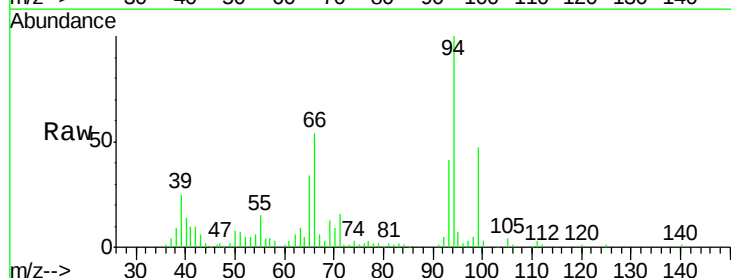
RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

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Tgt Ion:	94	Resp:	166768
Ion	Ratio	Lower	Upper
94	100		
65	33.9	13.3	53.3
66	54.3	29.3	69.3

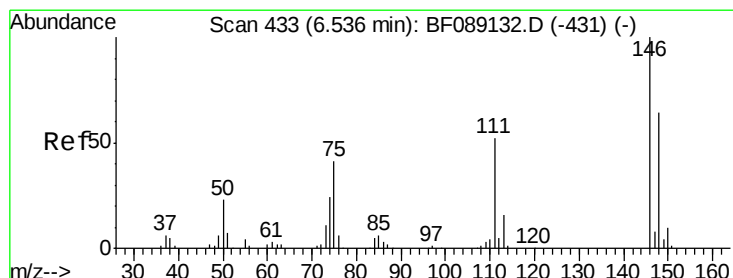
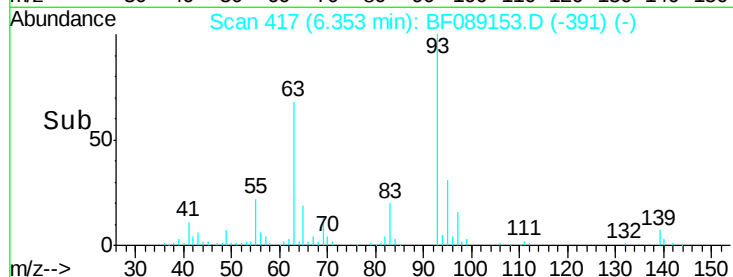
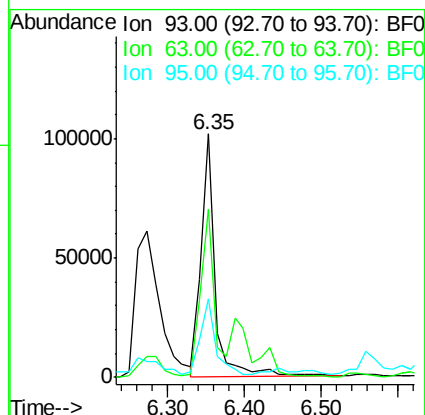
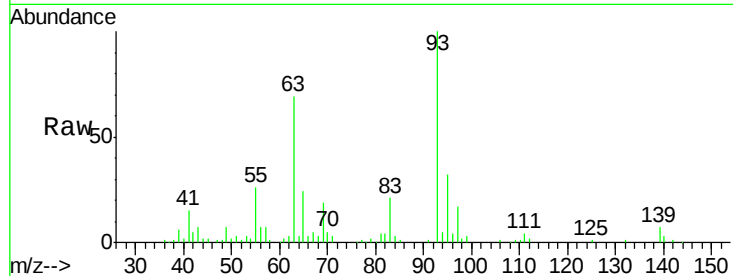




#11
bis(2-Chloroethyl)ether
Concen: 32.08 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

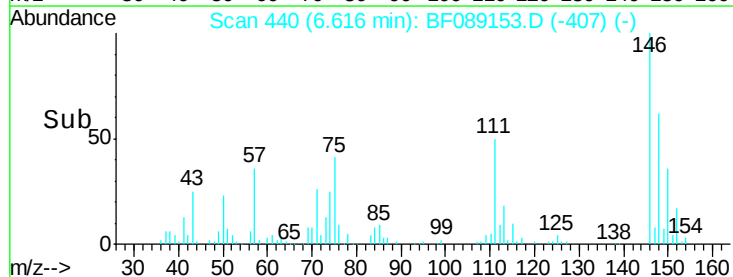
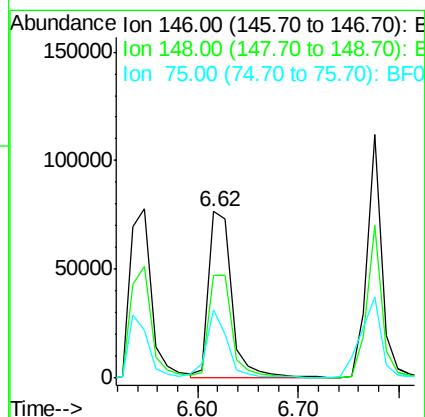
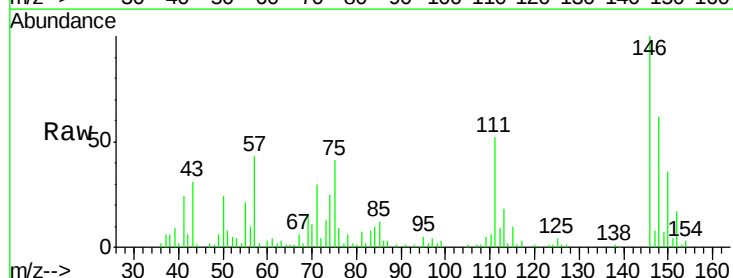
Instrument :
BNA_F
ClientSampleId :
KSB-05-12.0-14.0MS

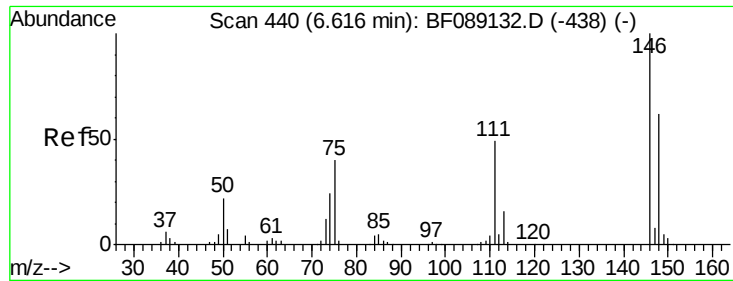
Tgt Ion	Ratio	Lower	Upper
93	100		
63	69.2	47.3	87.3
95	32.4	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 27.72 ng
RT: 6.62 min Scan# 440
Delta R.T. 0.08 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.0	76.6
75	41.1	32.5	48.7

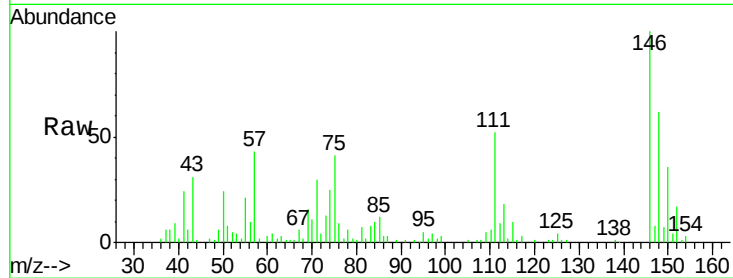




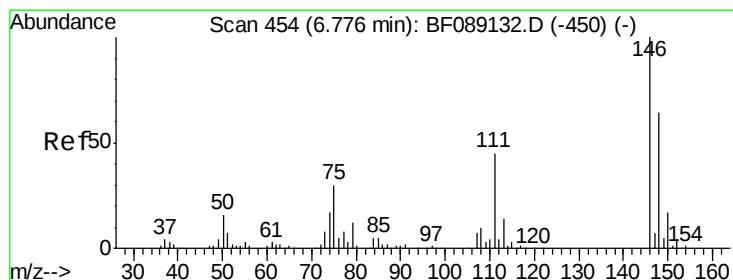
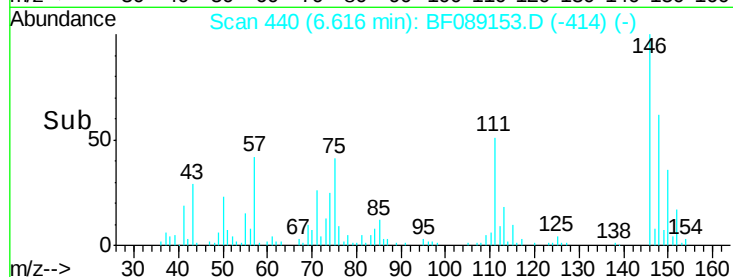
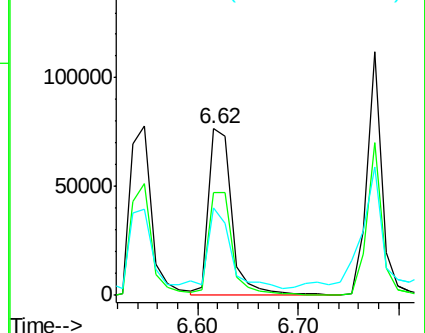
#13
 1,4-Dichlorobenzene
 Concen: 27.94 ng
 RT: 6.62 min Scan# 440
 Delta R.T. 0.00 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0MS

Tgt Ion:146 Resp: 122731
 Ion Ratio Lower Upper
 146 100
 148 61.9 49.9 74.9
 111 52.5 39.8 59.6

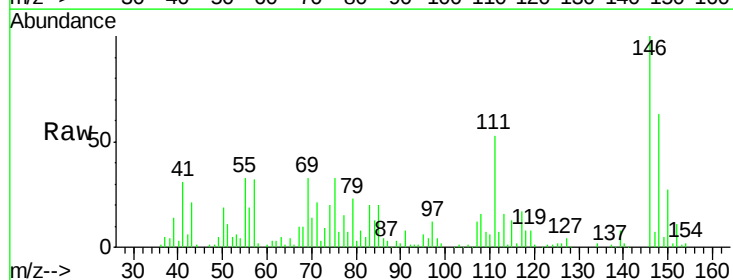


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

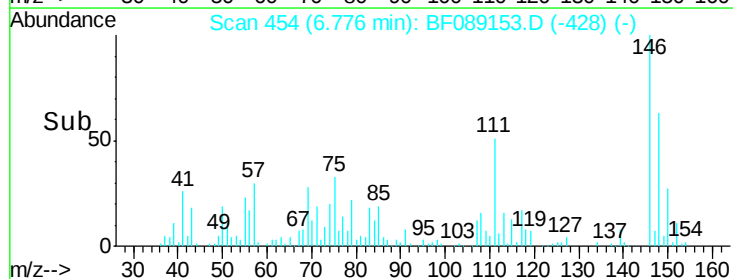
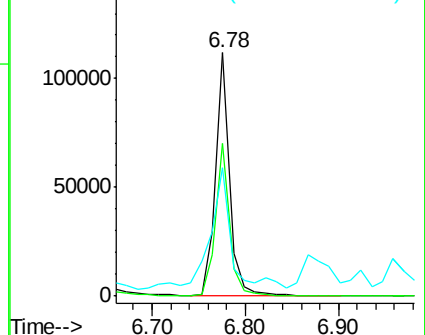


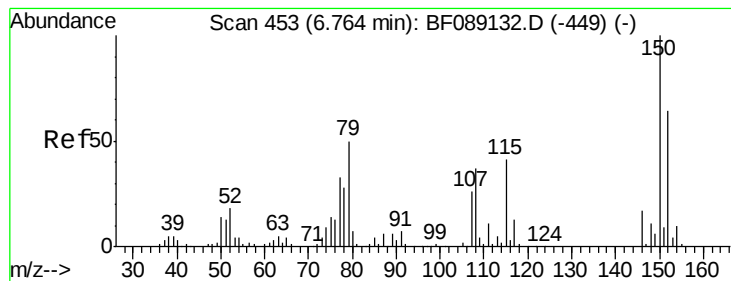
#14
 1,2-Dichlorobenzene
 Concen: 28.43 ng
 RT: 6.78 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Tgt Ion:146 Resp: 117771
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.4 77.0
 111 52.5 35.9 53.9



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





#15

Benzyl Alcohol

Concen: 33.17 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

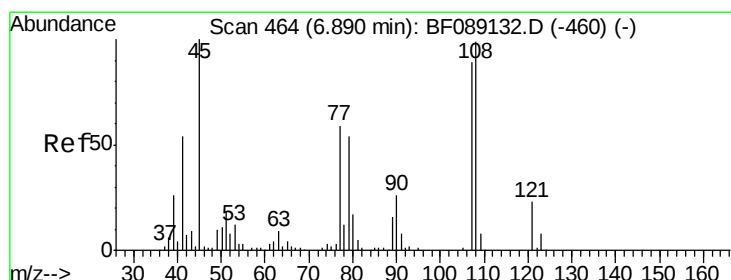
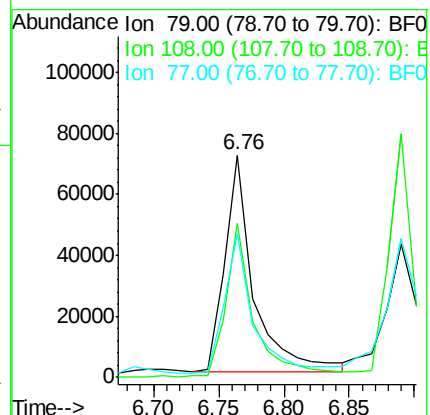
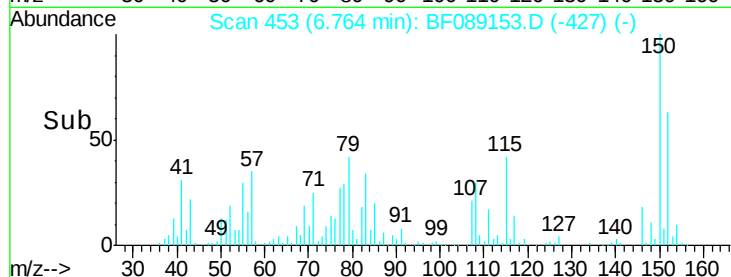
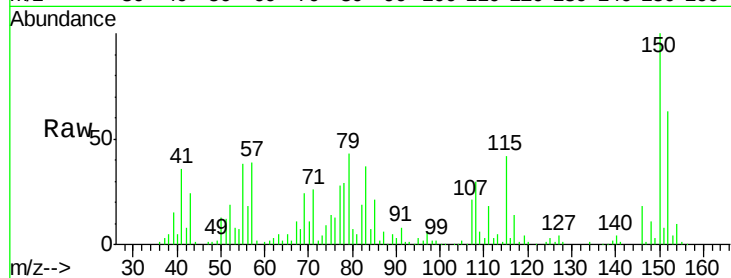
Tgt Ion: 79 Resp: 111534

Ion Ratio Lower Upper

79 100

108 69.3 58.2 87.4

77 64.5 52.2 78.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 27.69 ng

RT: 6.90 min Scan# 465

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

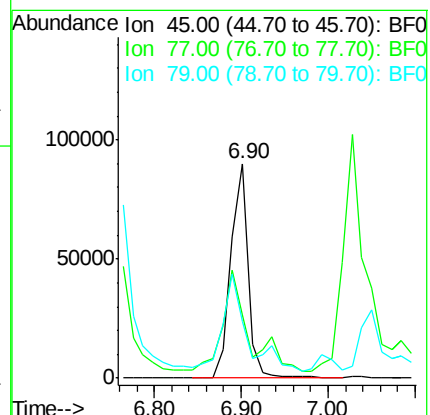
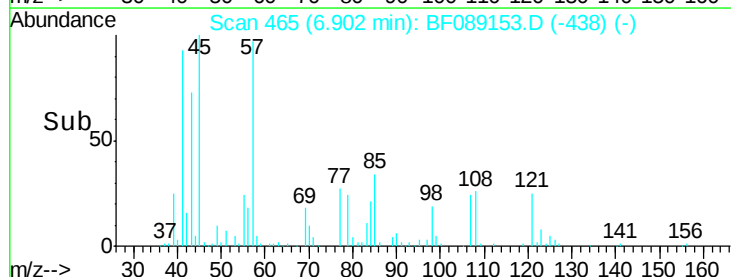
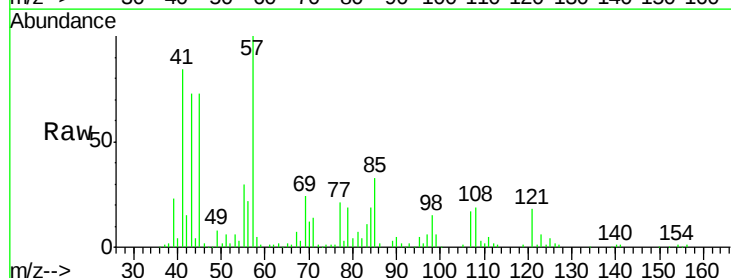
Tgt Ion: 45 Resp: 125342

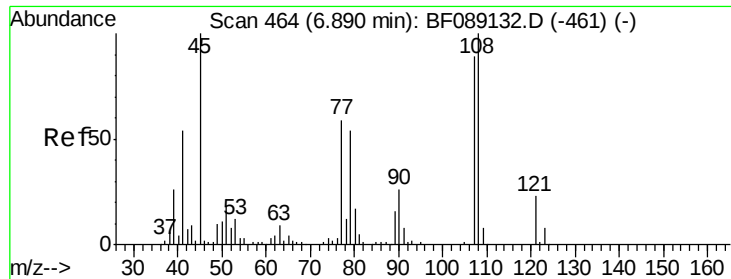
Ion Ratio Lower Upper

45 100

77 29.3 39.7 79.7#

79 26.2 34.7 74.7#





#17

2-Methylphenol

Concen: 31.28 ng

RT: 6.89 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

Tgt Ion:107 Resp: 97333

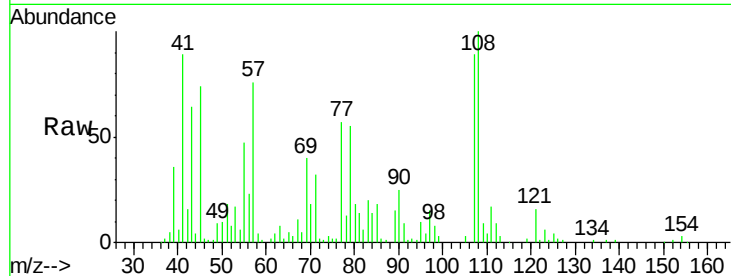
Ion Ratio Lower Upper

107 100

108 111.9 89.4 134.2

77 63.7 53.4 80.0

79 61.6 49.0 73.4



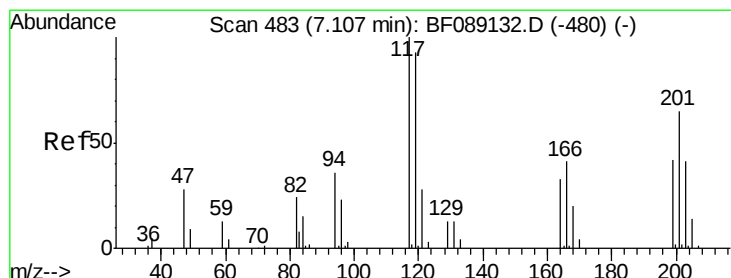
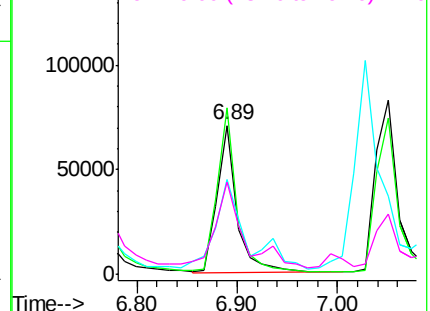
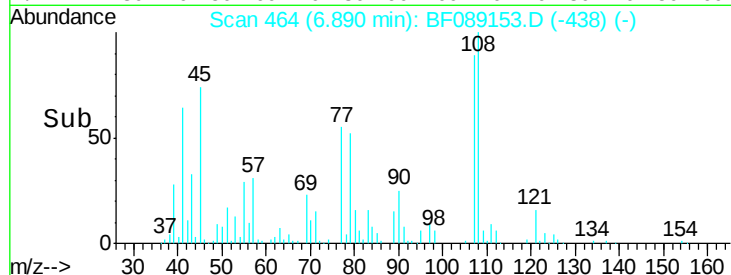
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 42.06 ng

RT: 7.11 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

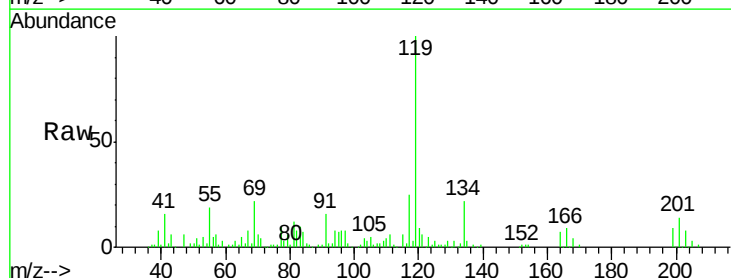
Tgt Ion:117 Resp: 69466

Ion Ratio Lower Upper

117 100

119 392.9 74.5 111.7#

201 53.2 51.8 77.6

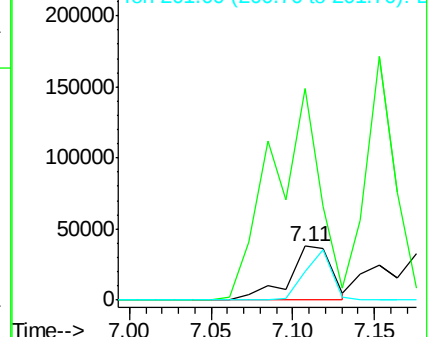
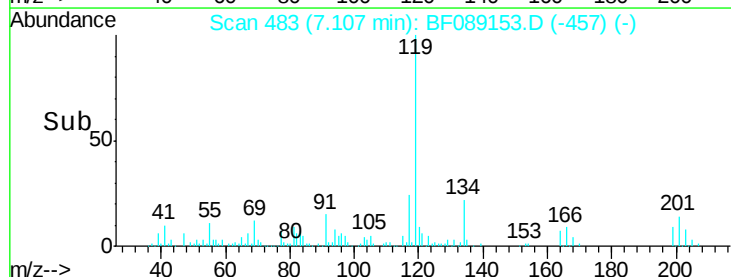


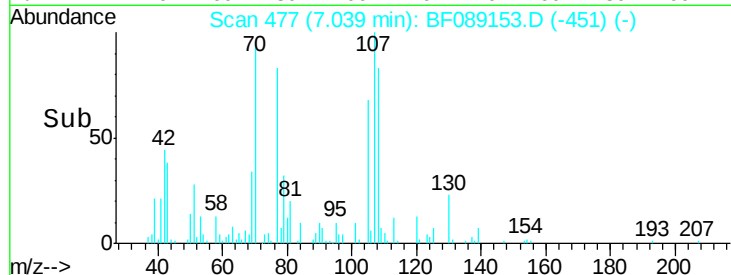
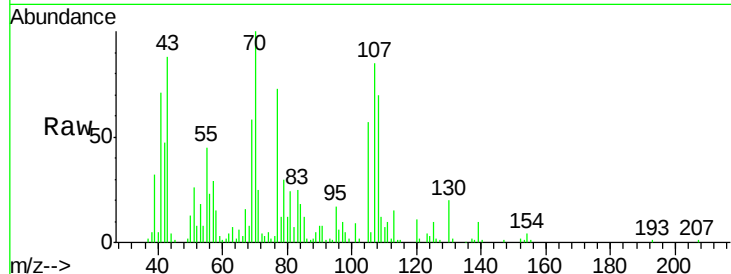
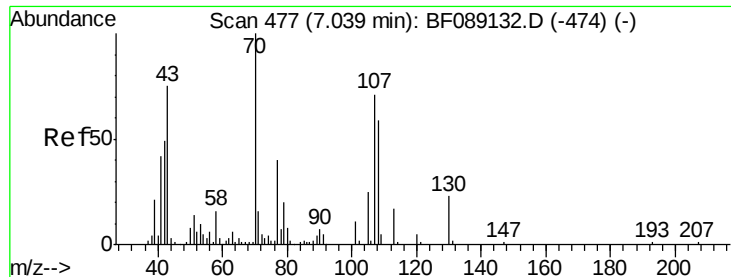
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

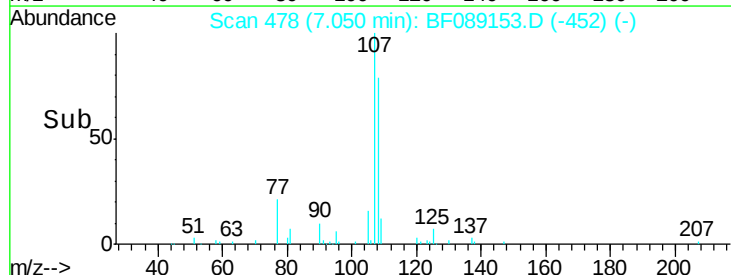
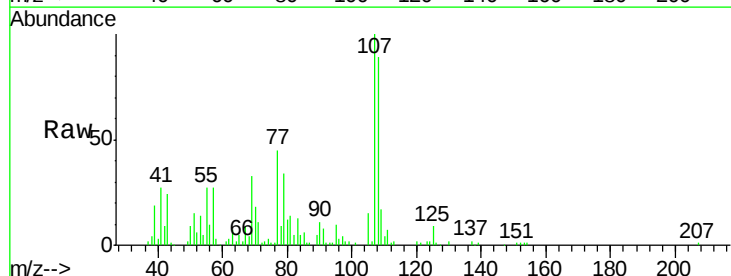
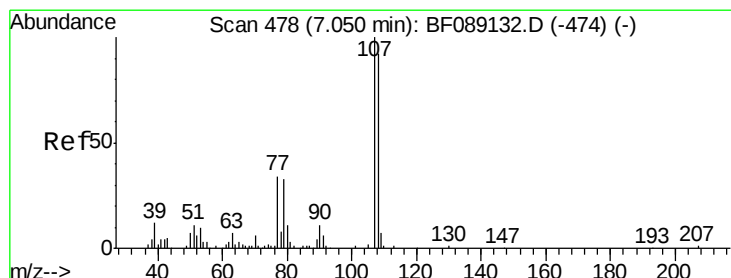
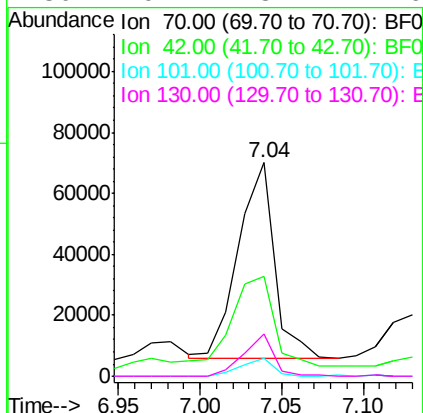




#19
n-Nitroso-di-n-propylamine
Concen: 32.52 ng
RT: 7.04 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

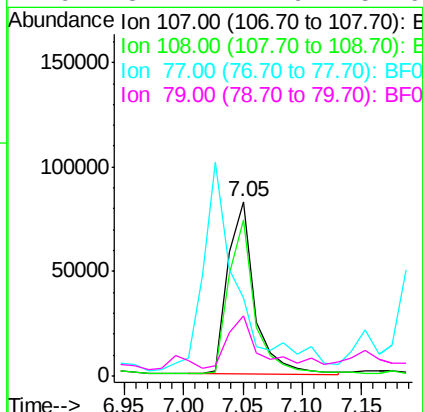
Instrument :
BNA_F
ClientSampleId :
KSB-05-12.0-14.0MS

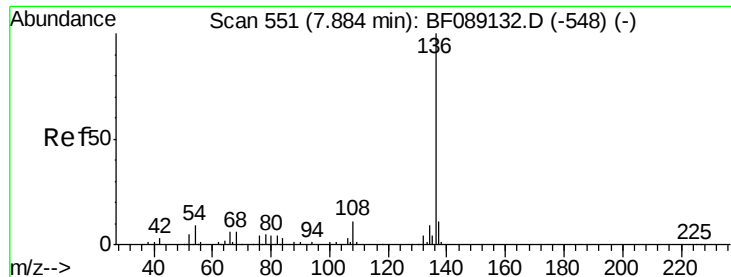
Tgt Ion: 70 Resp: 97662
Ion Ratio Lower Upper
70 100
42 46.6 39.2 58.8
101 8.5 8.5 12.7
130 19.7 18.4 27.6



#20
3+4-Methylphenols
Concen: 30.77 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.00 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

Tgt Ion: 107 Resp: 129995
Ion Ratio Lower Upper
107 100
108 89.1 72.5 112.5
77 45.0 17.7 57.7
79 34.2 12.9 52.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

Tgt Ion:136 Resp: 200542

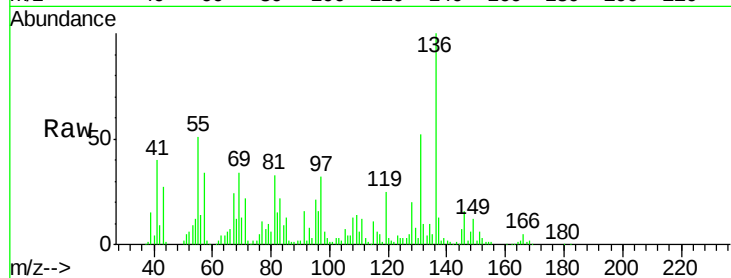
Ion Ratio Lower Upper

136 100

137 13.1 8.8 13.2

54 11.7 7.0 10.4#

68 12.0 5.0 7.6#

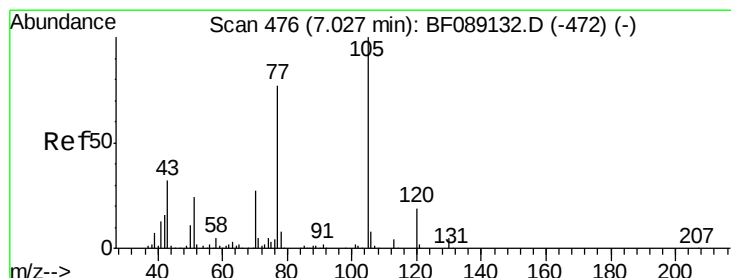
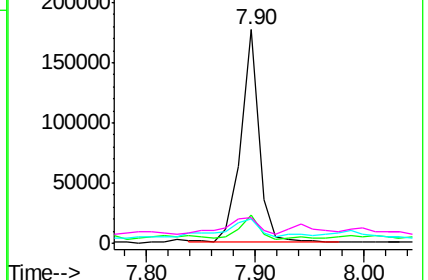
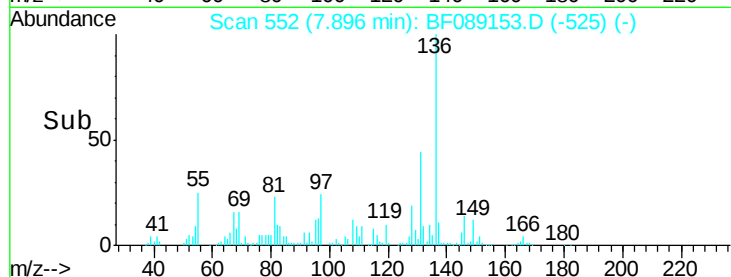


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.58 ng

RT: 7.03 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Tgt Ion:105 Resp: 169142

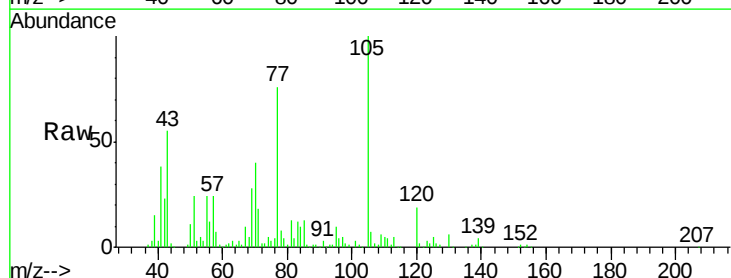
Ion Ratio Lower Upper

105 100

71 17.9 3.8 5.6#

51 24.4 19.6 29.4

120 19.1 15.5 23.3

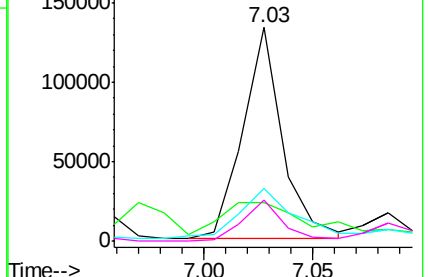
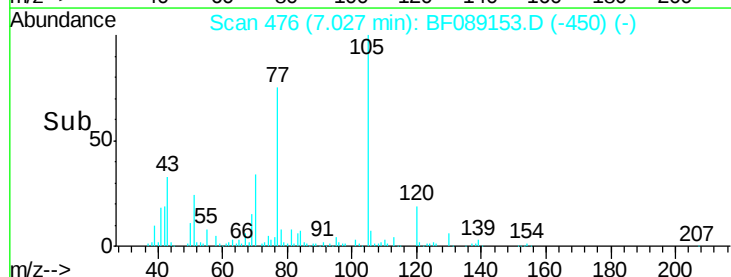


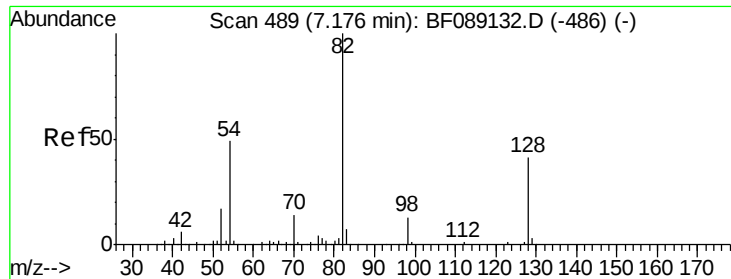
Abundance Ion 105.00 (104.70 to 105.70): E

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

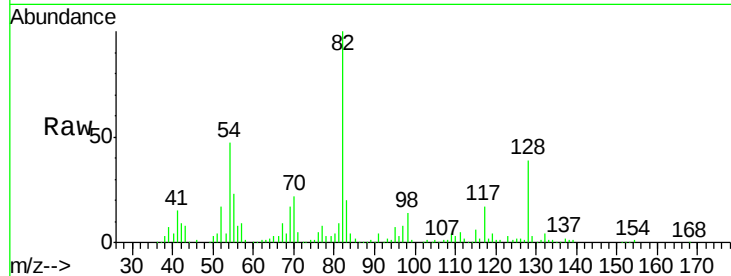




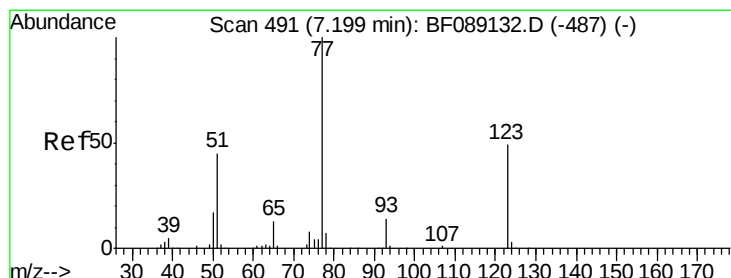
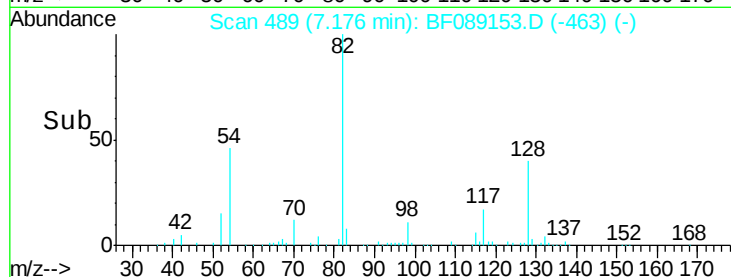
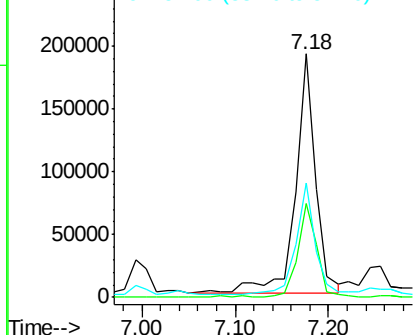
#23
 Nitrobenzene-d5
 Concen: 75.58 ng
 RT: 7.18 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0MS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.0	49.6
54	47.1	39.0	58.4

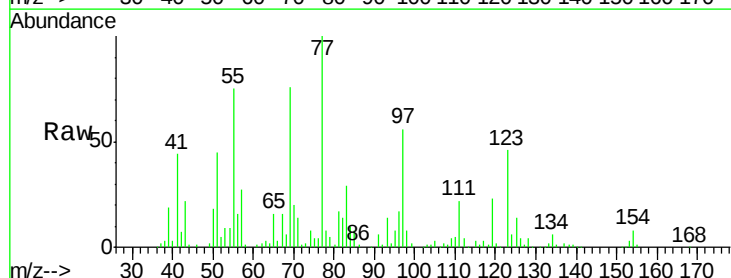


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

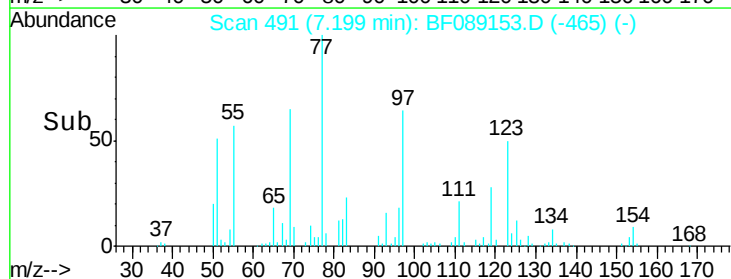
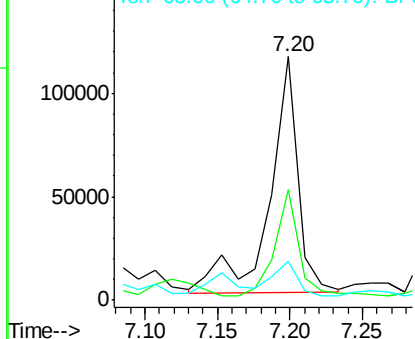


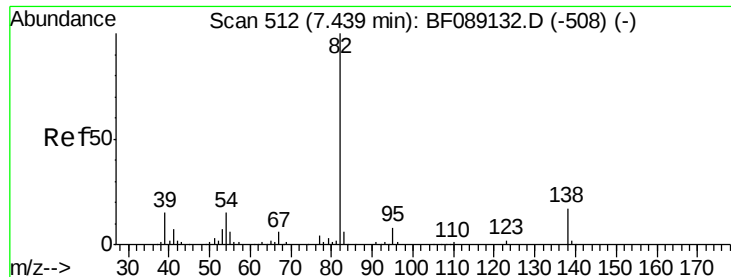
#24
 Nitrobenzene
 Concen: 39.42 ng
 RT: 7.20 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.5	38.9	58.3
65	15.9	10.6	15.8#



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: 40.34 ng

RT: 7.44 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

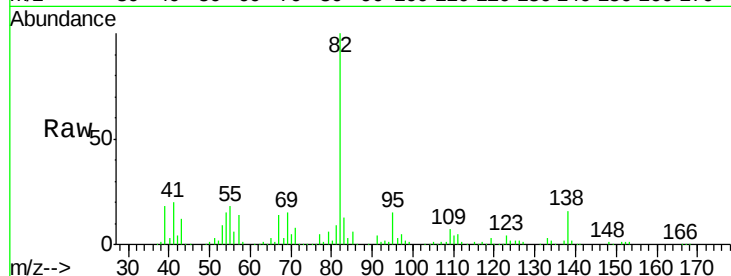
Tgt Ion: 82 Resp: 280610

Ion Ratio Lower Upper

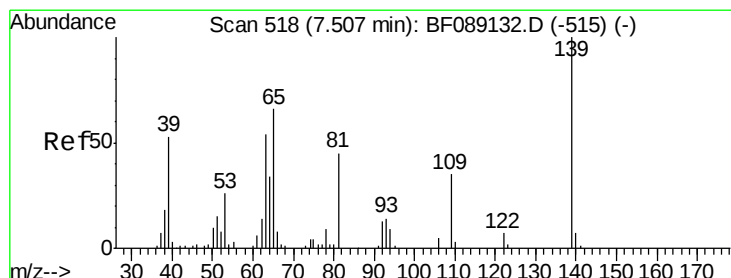
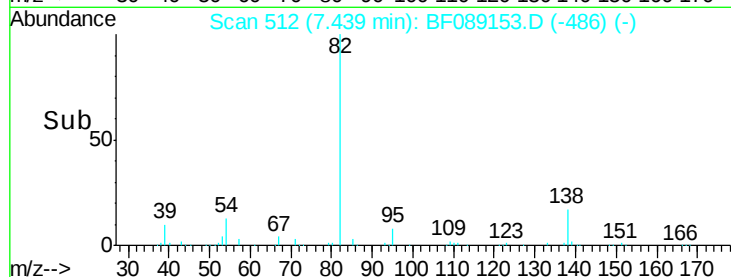
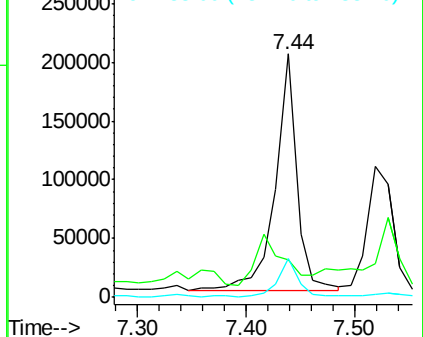
82 100

95 15.4 6.1 9.1#

138 16.2 13.6 20.4



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: 32.45 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

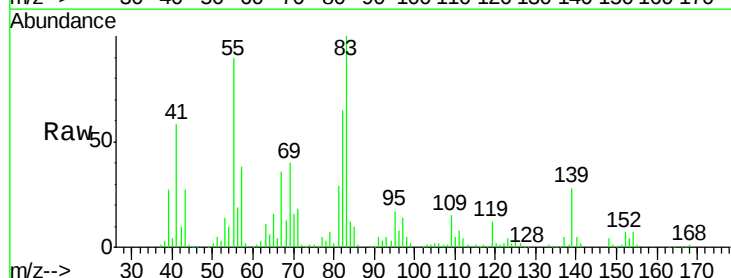
Tgt Ion: 139 Resp: 60240

Ion Ratio Lower Upper

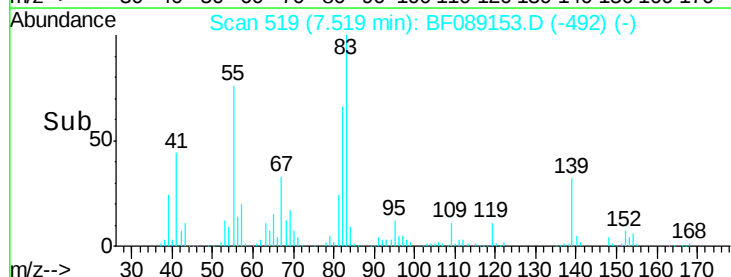
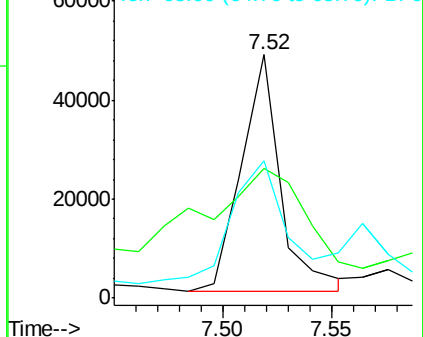
139 100

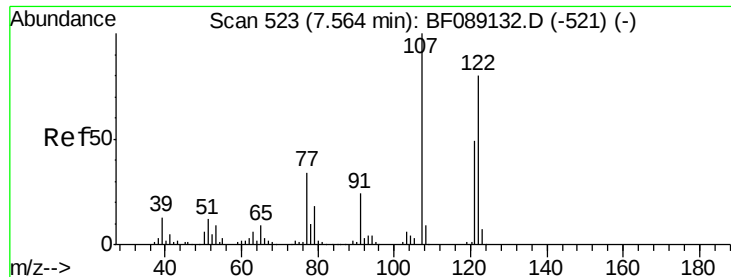
109 53.2 28.1 42.1#

65 56.4 52.7 79.1



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: 36.02 ng

RT: 7.56 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

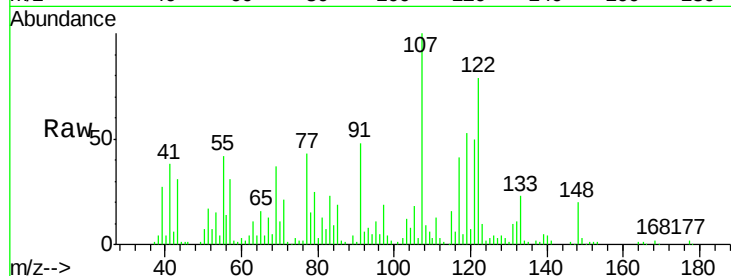
Tgt Ion:122 Resp: 112679

Ion Ratio Lower Upper

122 100

107 126.2 99.7 149.5

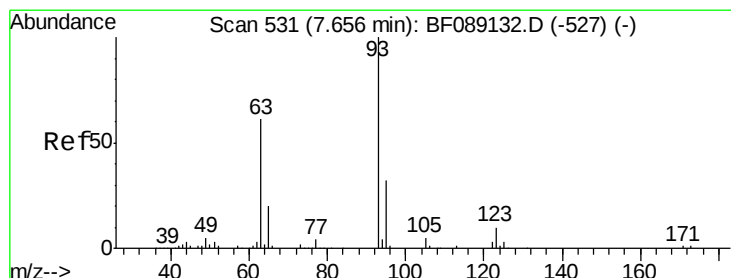
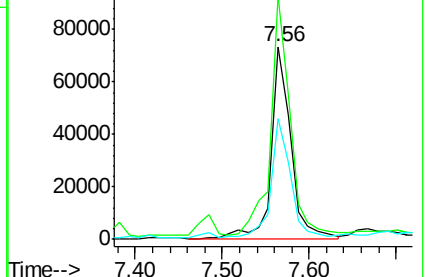
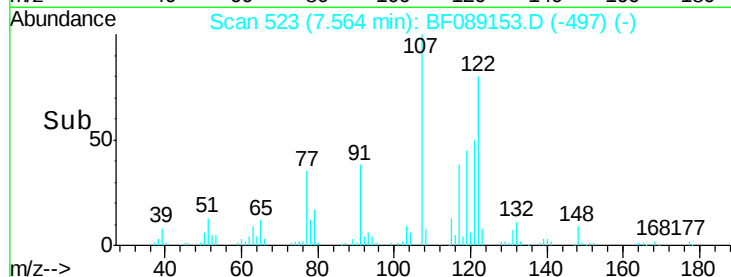
121 62.9 48.5 72.7



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: 35.94 ng

RT: 7.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

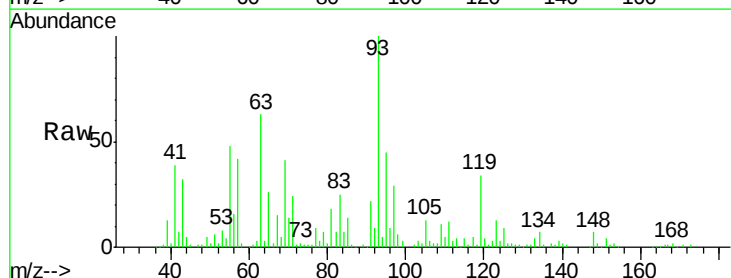
Tgt Ion: 93 Resp: 156391

Ion Ratio Lower Upper

93 100

95 45.0 25.4 38.0#

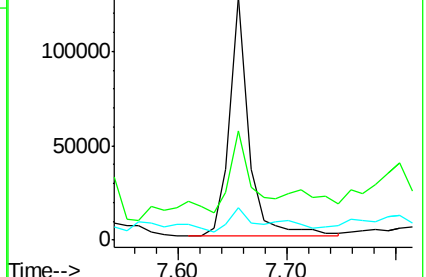
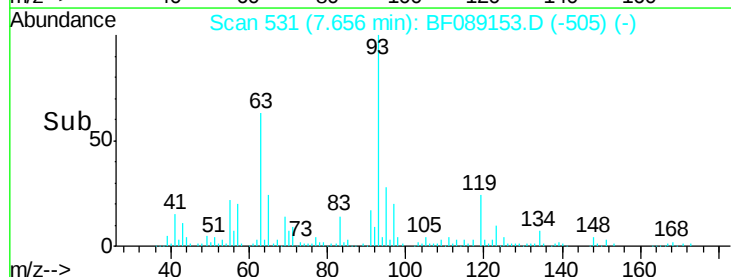
123 13.5 8.3 12.5#

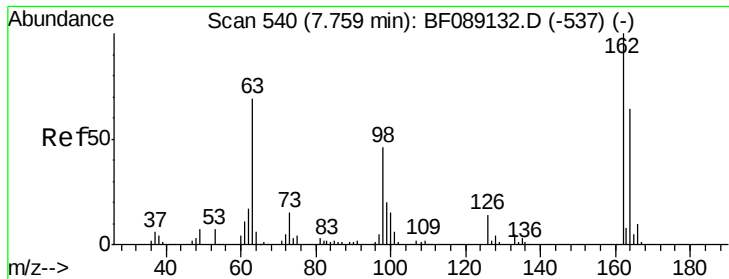


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

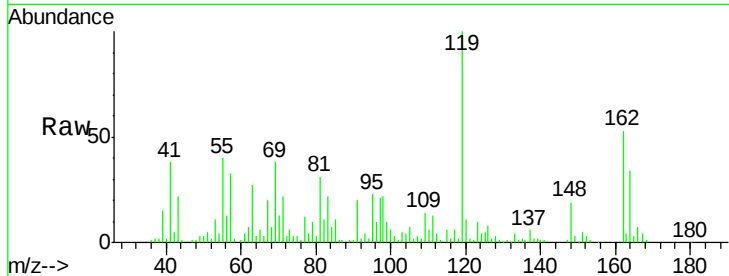




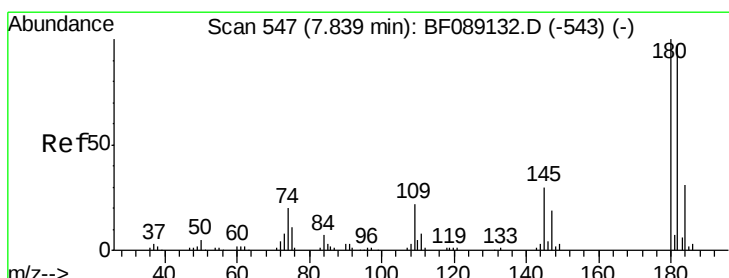
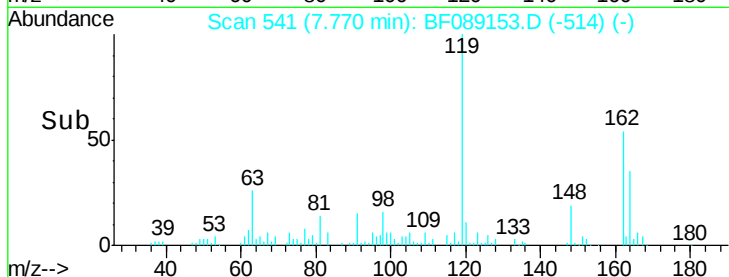
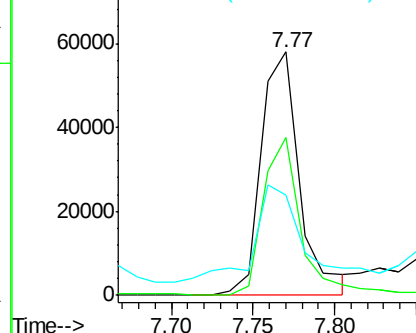
#29
 2,4-Dichlorophenol
 Concen: 33.94 ng
 RT: 7.77 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0MS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.0	84.0
98	41.1	26.0	66.0

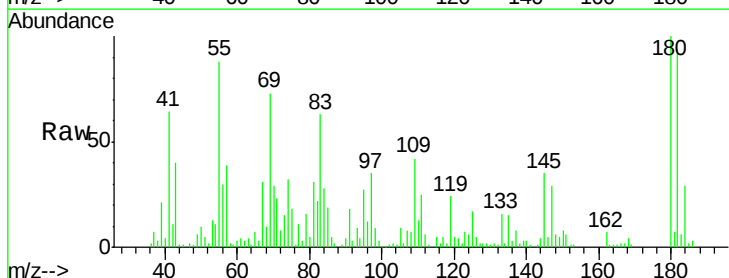


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

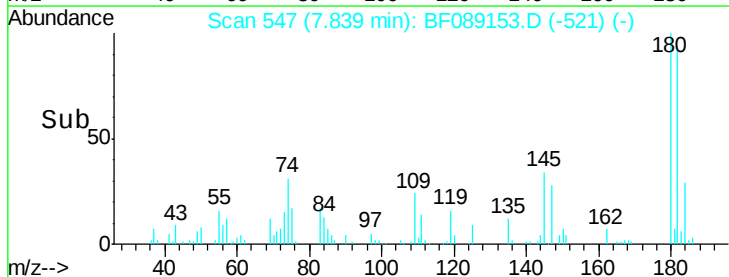
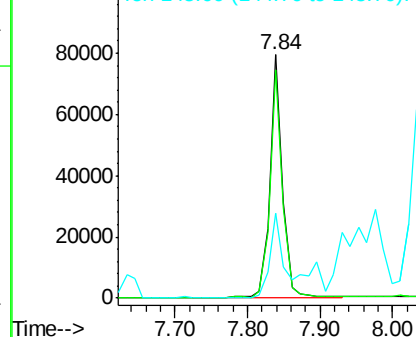


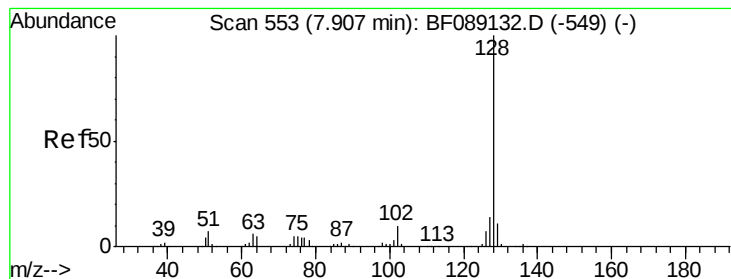
#30
 1,2,4-Trichlorobenzene
 Concen: 31.96 ng
 RT: 7.84 min Scan# 547
 Delta R.T. 0.00 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.6	116.4
145	34.7	24.0	36.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 37.14 ng

RT: 7.92 min Scan# 554

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

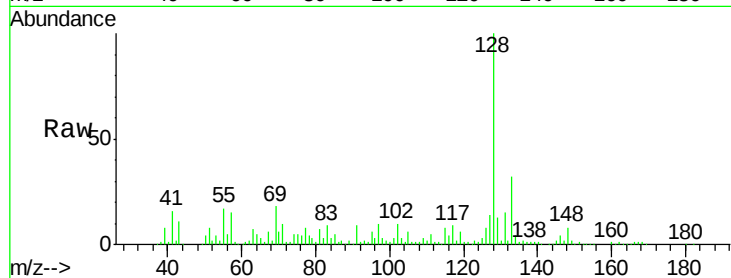
Tgt Ion:128 Resp: 401940

Ion Ratio Lower Upper

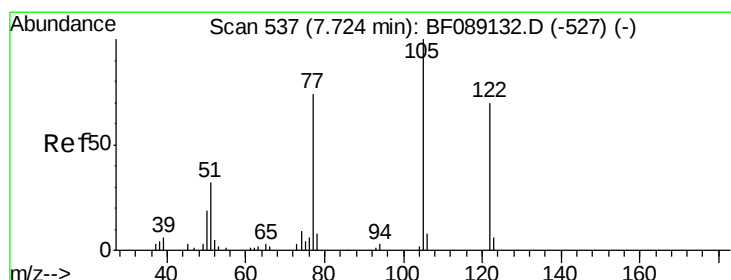
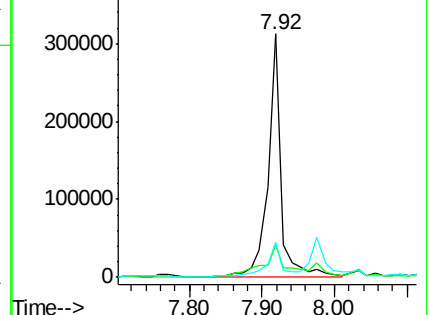
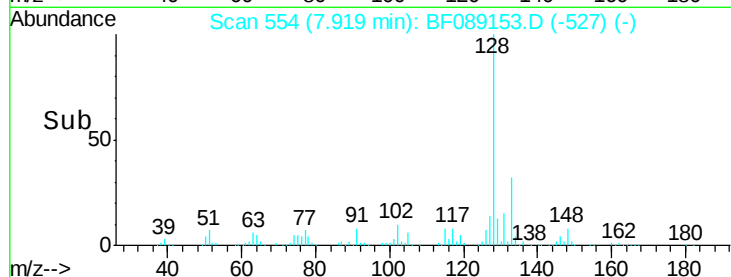
128 100

129 13.3 8.9 13.3

127 14.5 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: 3.79 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.06 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

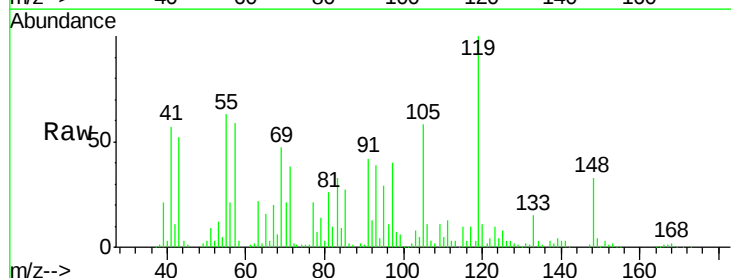
Tgt Ion:122 Resp: 9114

Ion Ratio Lower Upper

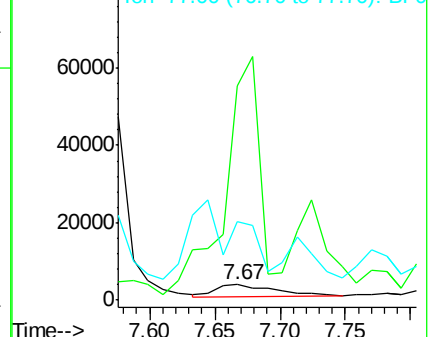
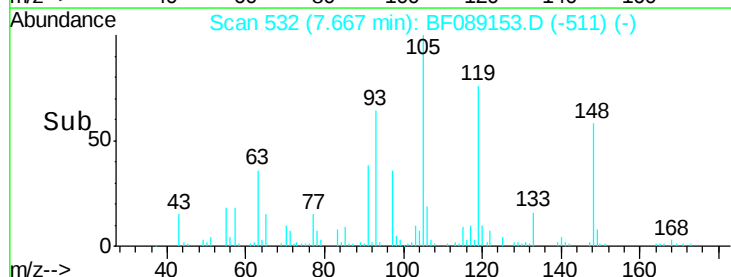
122 100

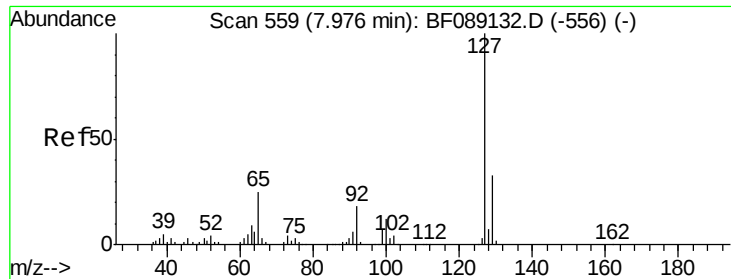
105 1381.8 119.0 159.0#

77 506.0 84.7 124.7#



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

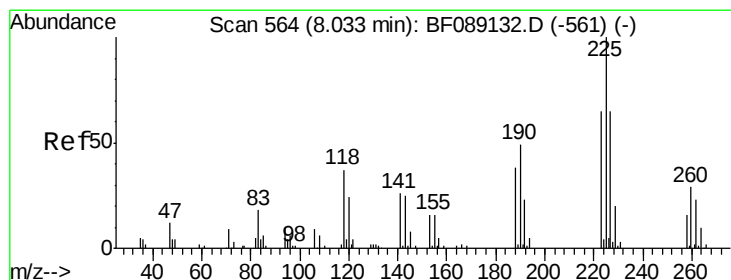
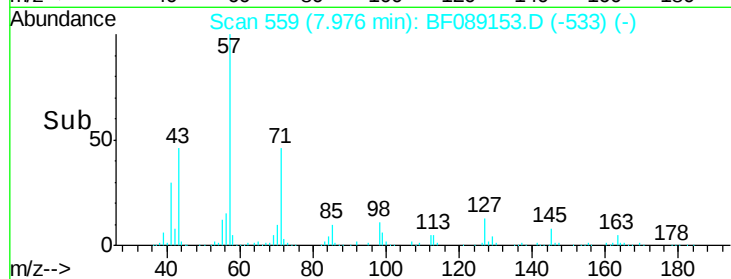
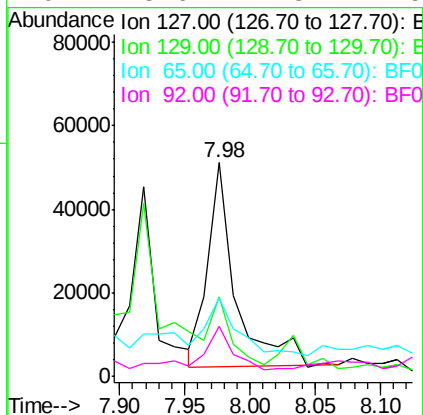
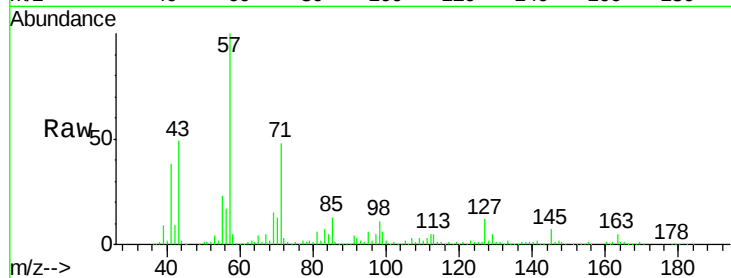




#33
4-Chloroaniline
Concen: 15.89 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

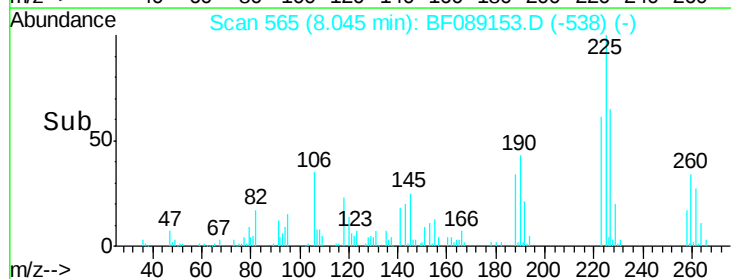
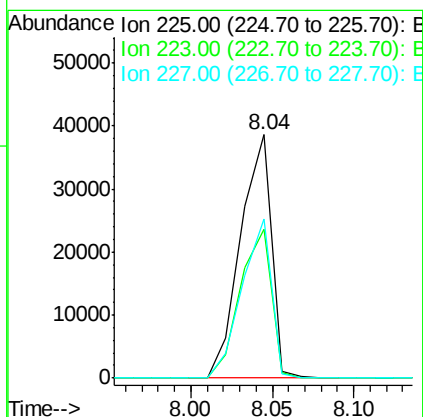
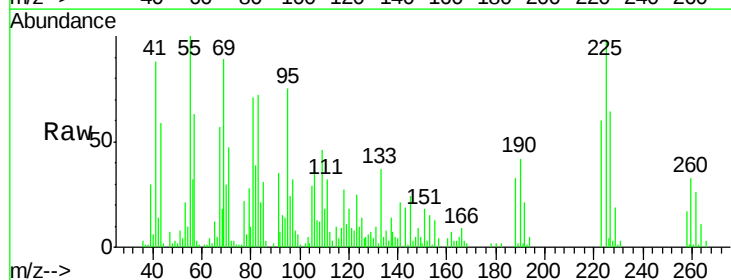
Instrument :
BNA_F
ClientSampleId :
KSB-05-12.0-14.0MS

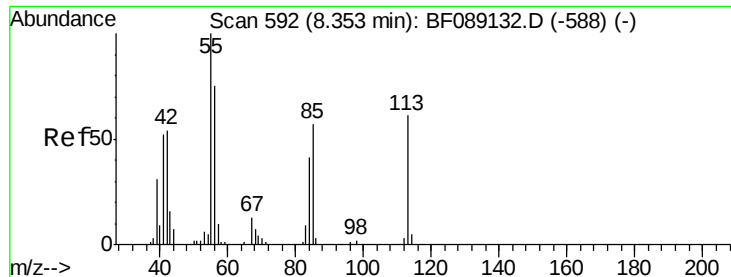
Tgt Ion:	127	Resp:	72338
Ion	Ratio	Lower	Upper
127	100		
129	37.3	25.9	38.9
65	36.8	19.7	29.5#
92	23.6	14.3	21.5#



#34
Hexachlorobutadiene
Concen: 29.09 ng
RT: 8.04 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

Tgt Ion:	225	Resp:	50530
Ion	Ratio	Lower	Upper
225	100		
223	61.4	51.6	77.4
227	65.1	51.6	77.4





#35

Caprolactam

Concen: 113.48 ng

RT: 8.34 min Scan# 591

Delta R.T. -0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

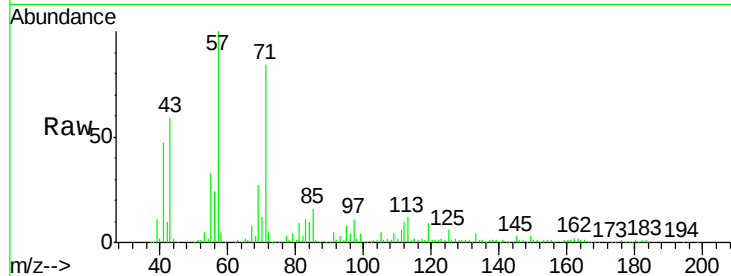
Tgt Ion:113 Resp: 99351

Ion Ratio Lower Upper

113 100

55 276.1 145.3 185.3#

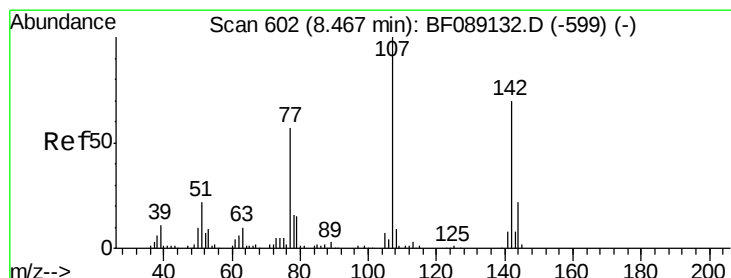
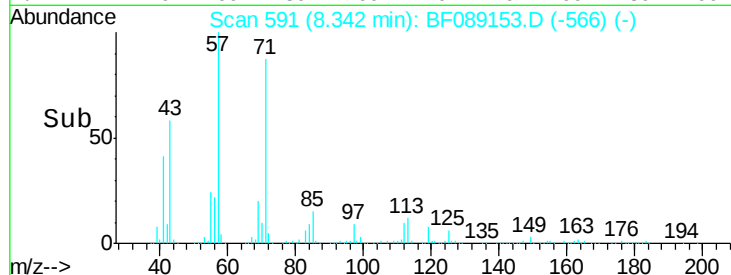
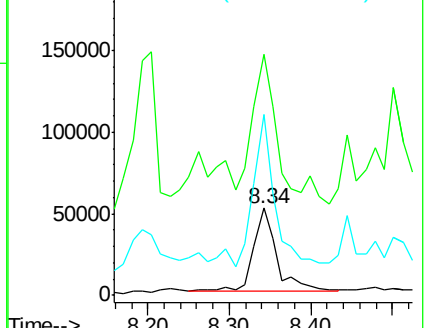
56 206.8 104.3 144.3#



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: 35.31 ng

RT: 8.48 min Scan# 603

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

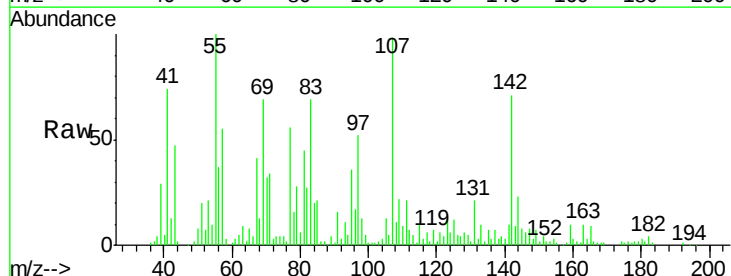
Tgt Ion:107 Resp: 119940

Ion Ratio Lower Upper

107 100

144 23.9 17.8 26.6

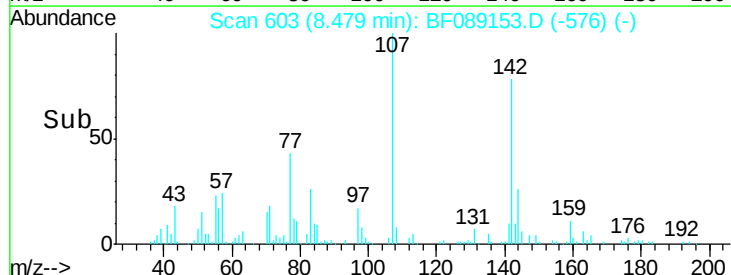
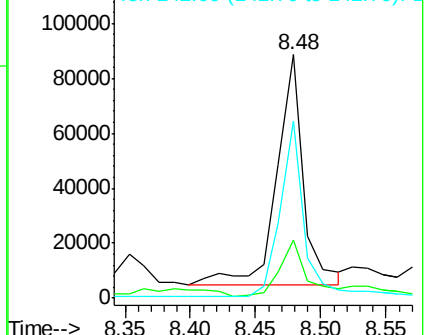
142 72.9 56.1 84.1

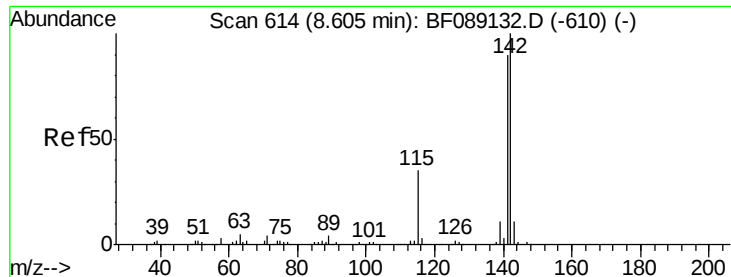


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

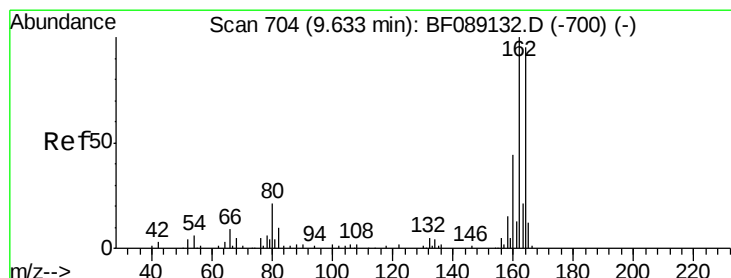
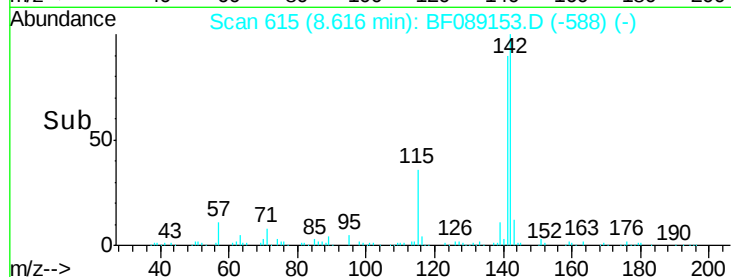
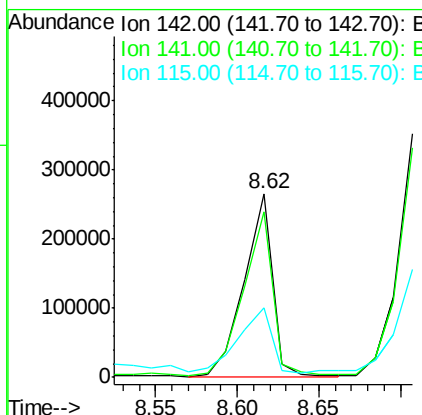
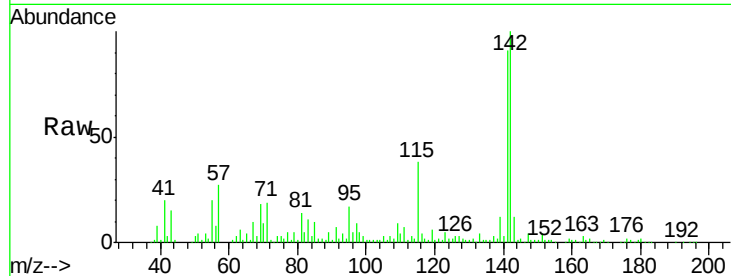




#37
 2-Methylnaphthalene
 Concen: 46.89 ng
 RT: 8.62 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

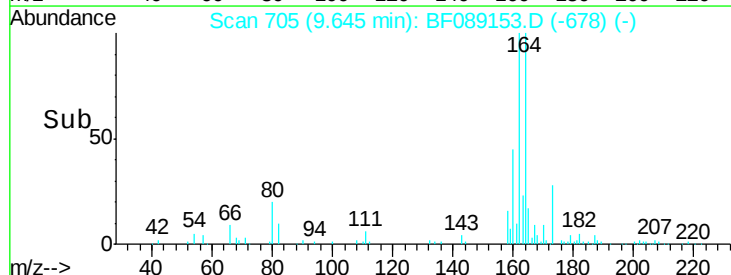
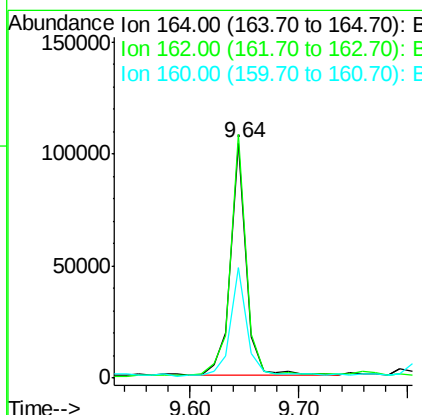
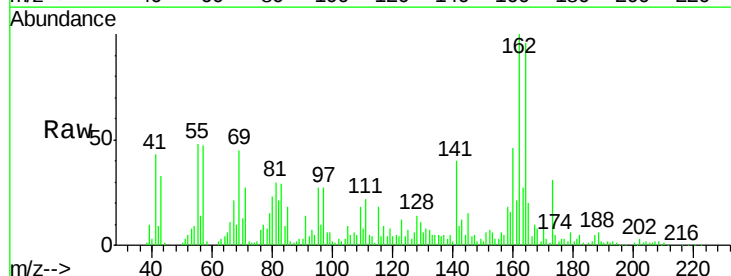
Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0MS

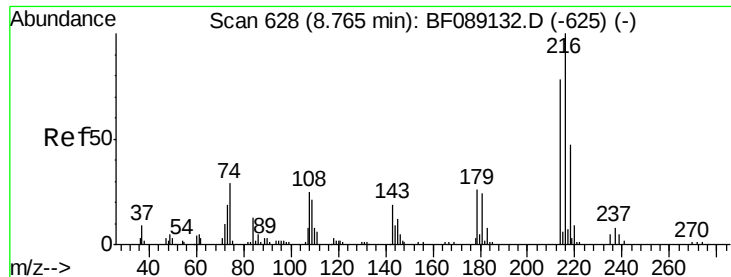
Tgt Ion:142 Resp: 323699
 Ion Ratio Lower Upper
 142 100
 141 90.5 71.6 107.4
 115 37.6 27.6 41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Tgt Ion:164 Resp: 103867
 Ion Ratio Lower Upper
 164 100
 162 103.7 84.1 126.1
 160 47.3 37.1 55.7





#39

1,2,4,5-Tetrachlorobenzene

Concen: 22.09 ng

RT: 8.78 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

Tgt Ion:216 Resp: 85286

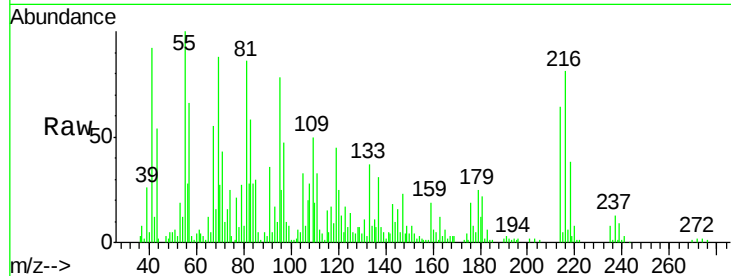
Ion Ratio Lower Upper

216 100

214 78.5 61.9 92.9

179 28.3 18.4 27.6#

108 27.9 17.0 25.6#



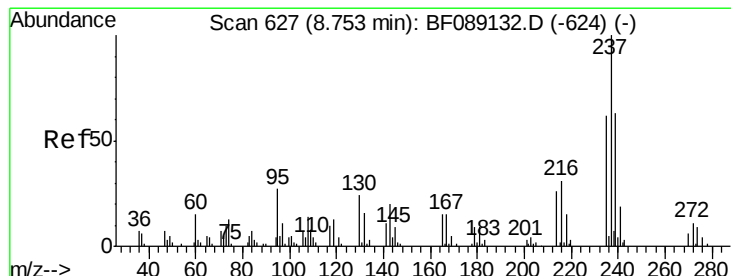
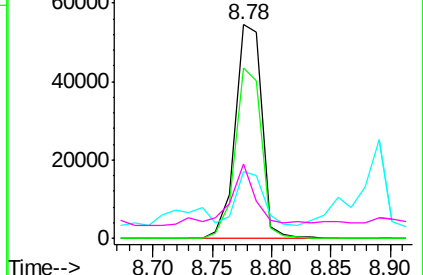
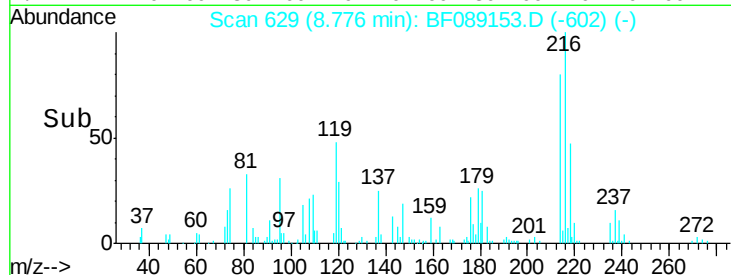
Abundance Ion 216.00 (215.70 to 216.70): E

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

Time-->



#40

Hexachlorocyclopentadiene

Concen: 50.62 ng

RT: 8.76 min Scan# 628

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

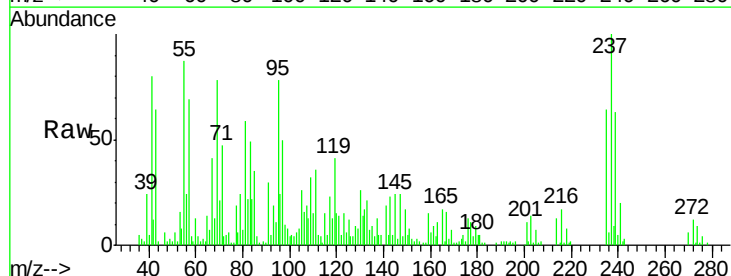
Tgt Ion:237 Resp: 60936

Ion Ratio Lower Upper

237 100

235 64.0 42.1 82.1

272 12.3 0.0 31.4

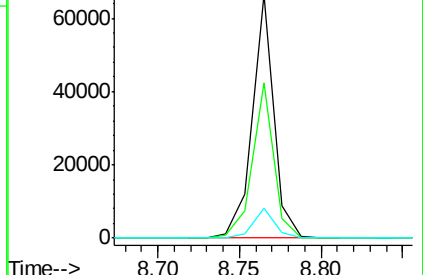
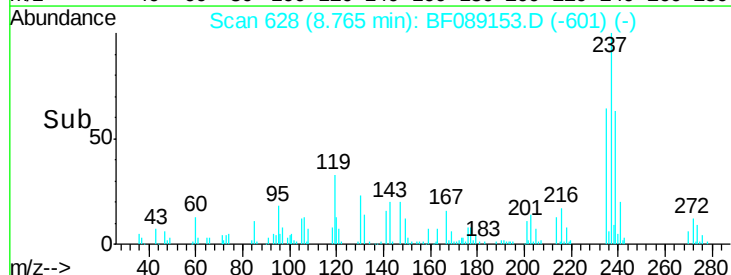


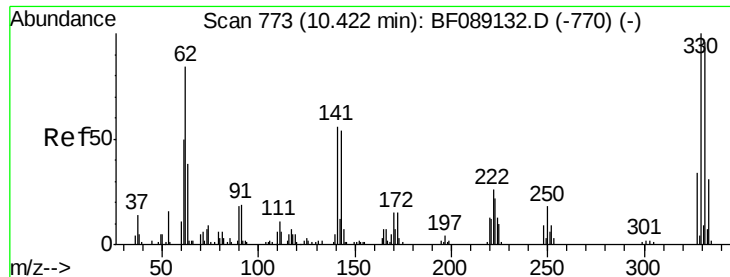
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

Time-->

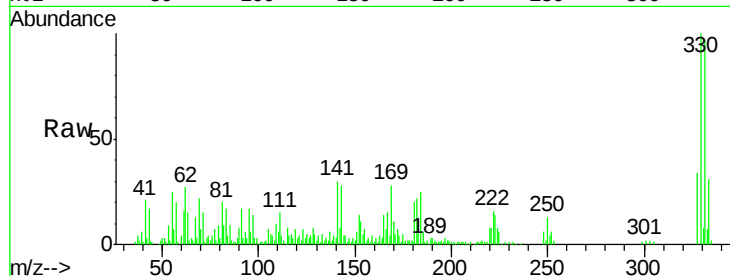




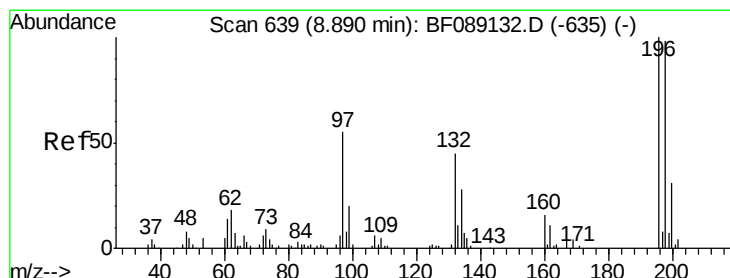
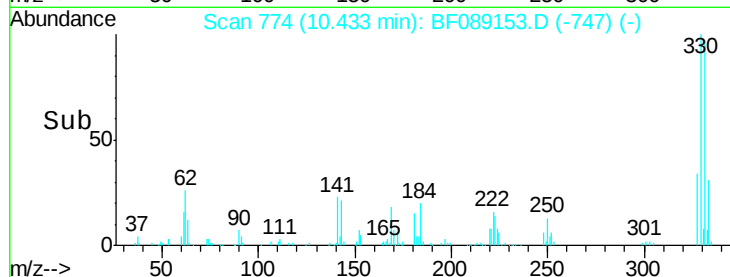
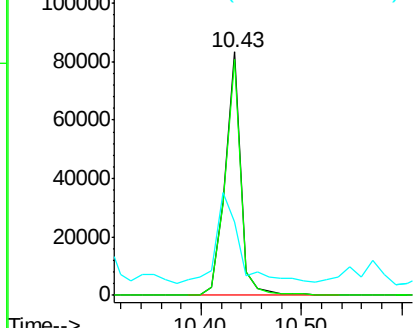
#41
 2,4,6-Tribromophenol
 Concen: 96.72 ng
 RT: 10.43 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0MS

Tgt Ion:330 Resp: 90449
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.2 115.8
 141 57.6 42.2 63.2

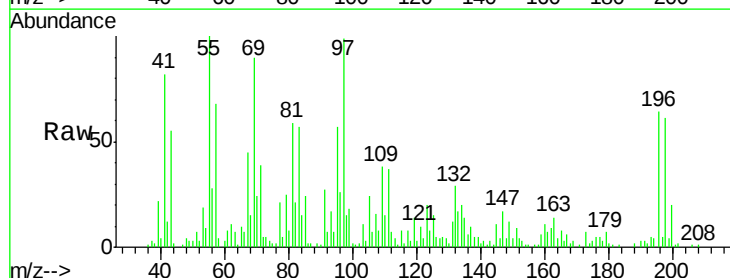


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

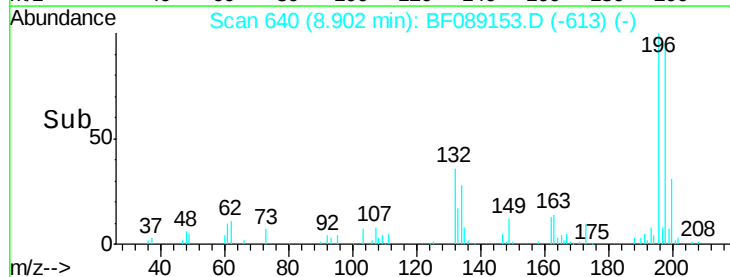
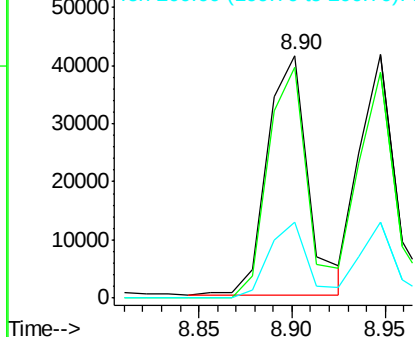


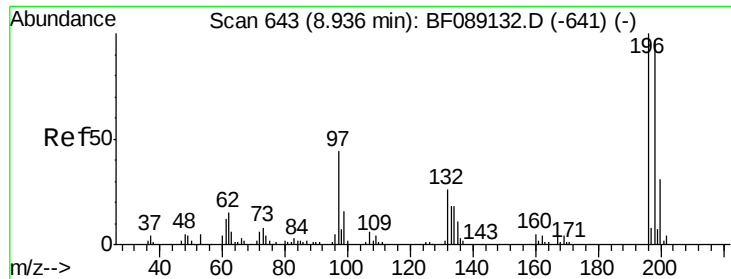
#42
 2,4,6-Trichlorophenol
 Concen: 29.09 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.01 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Tgt Ion:196 Resp: 62853
 Ion Ratio Lower Upper
 196 100
 198 94.8 78.3 117.5
 200 31.3 25.0 37.4



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

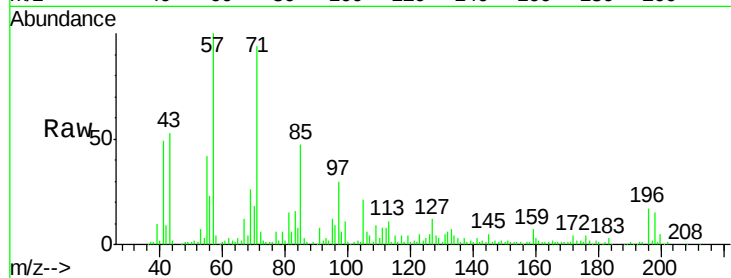




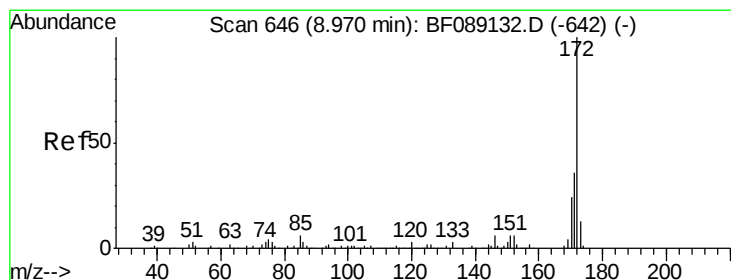
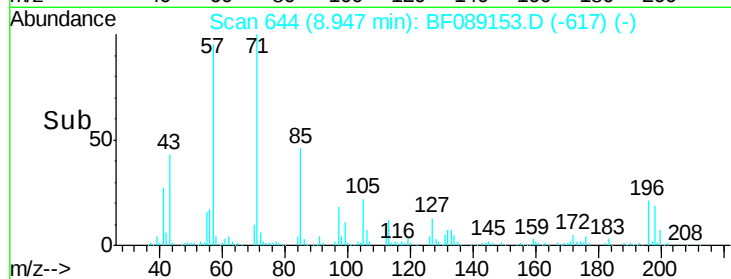
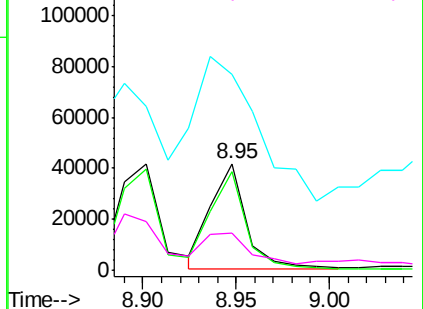
#43
 2,4,5-Trichlorophenol
 Concen: 25.59 ng
 RT: 8.95 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Instrument :
 BNA_F
 ClientSampleId :
 KSB-05-12.0-14.0MS

Tgt Ion:196 Resp: 55513
 Ion Ratio Lower Upper
 196 100
 198 92.6 77.6 116.4
 97 183.6 36.5 54.7#
 132 34.5 21.2 31.8#

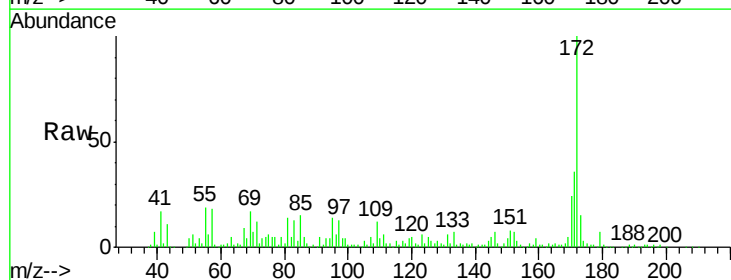


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

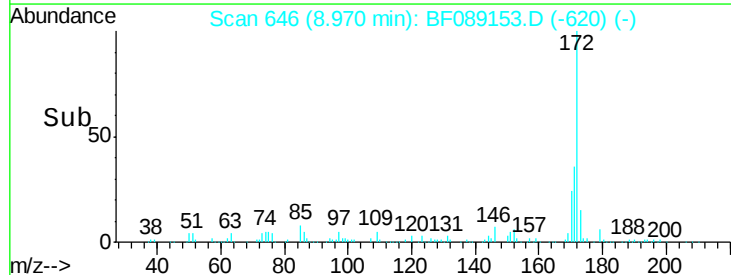
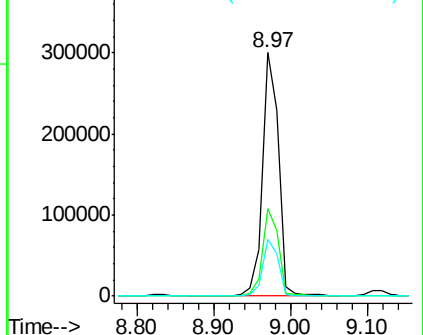


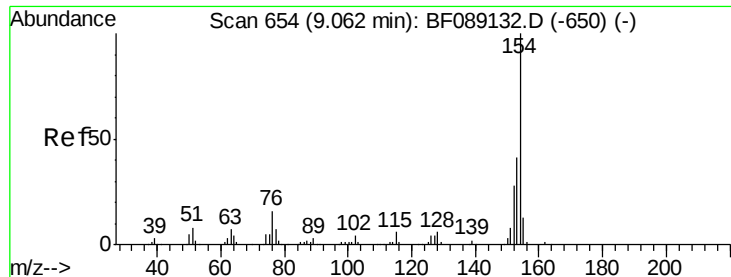
#44
 2-Fluorobiphenyl
 Concen: 56.87 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF089153.D
 Acq: 21 Jul 2016 1:52

Tgt Ion:172 Resp: 428728
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.5 19.1 28.7



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: 27.30 ng

RT: 9.07 min Scan# 655

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

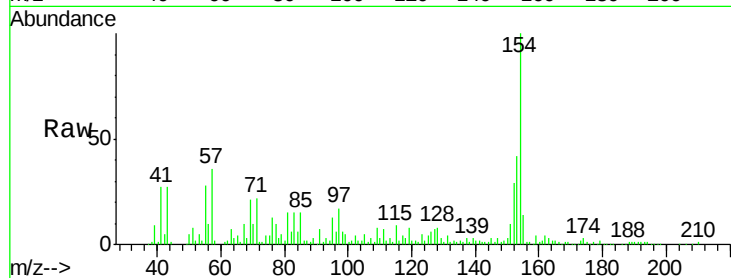
Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

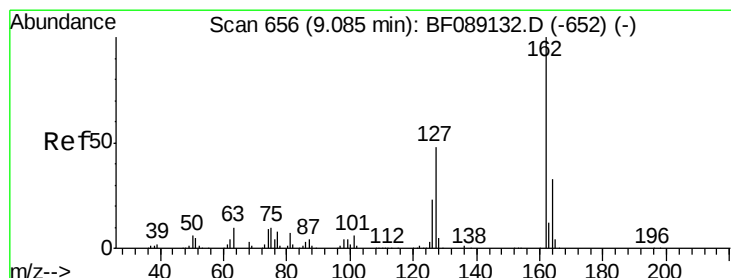
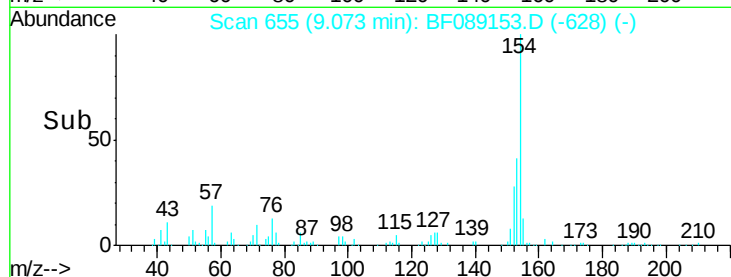
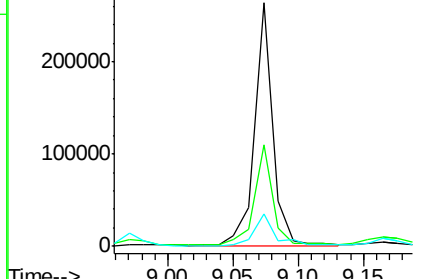
Tgt Ion:	154	Resp:	255351
Ion Ratio	Lower	Upper	
154	100		
153	41.5	21.1	61.1
76	13.1	0.0	35.8



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: 27.73 ng

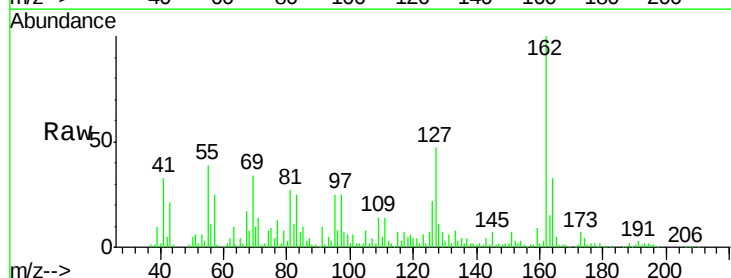
RT: 9.10 min Scan# 657

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

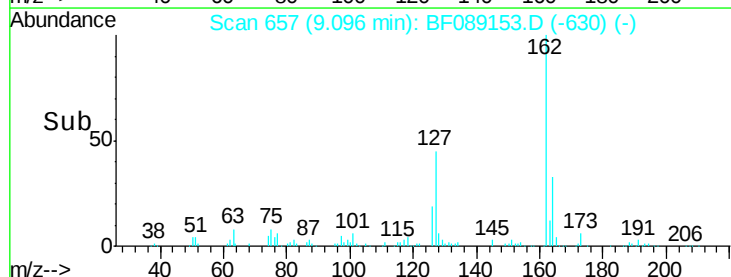
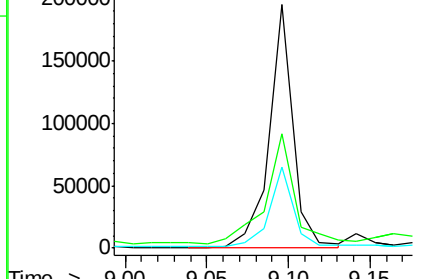
Tgt Ion:	162	Resp:	197129
Ion Ratio	Lower	Upper	
162	100		
127	46.8	38.1	57.1
164	33.3	26.1	39.1

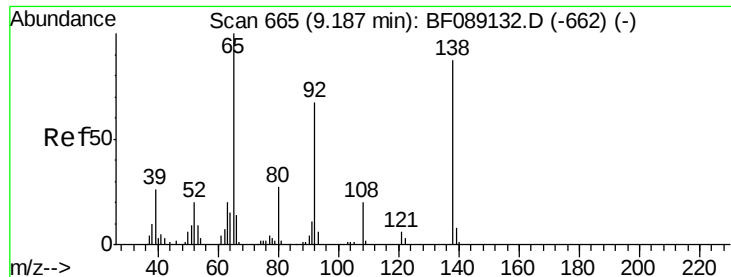


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

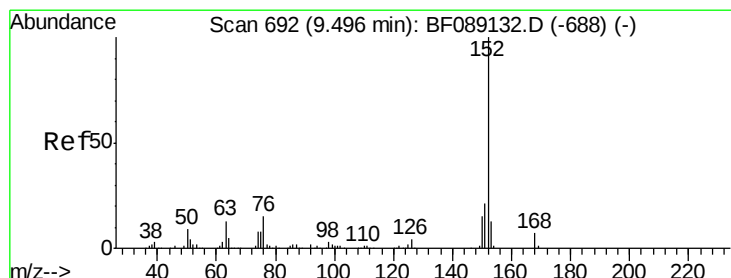
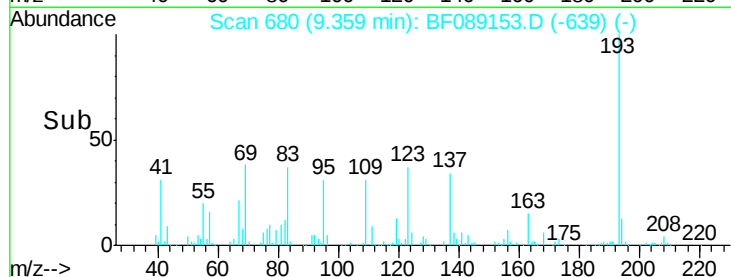
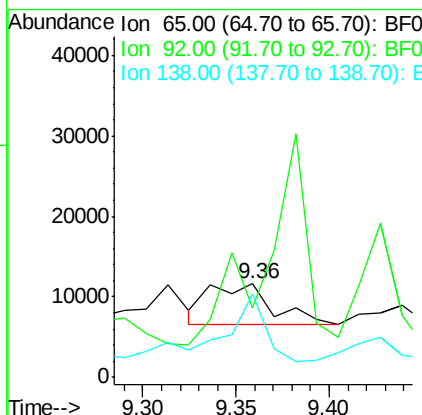
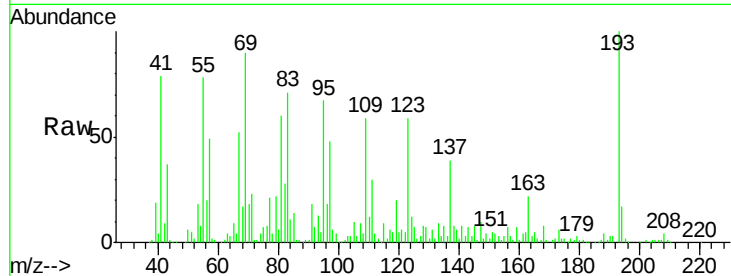




#47
2-Nitroaniline
Concen: 4.94 ng
RT: 9.36 min Scan# 680
Delta R.T. 0.17 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

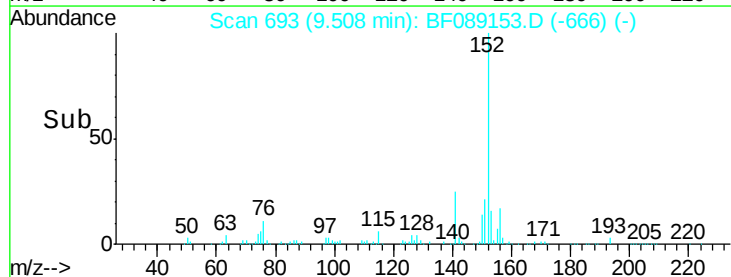
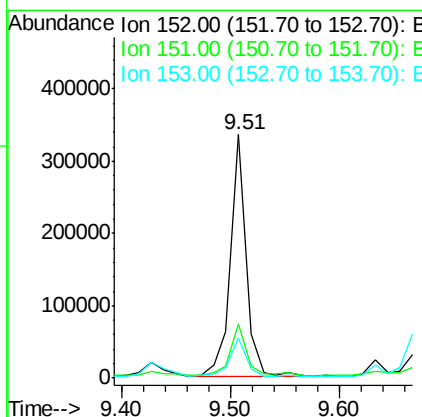
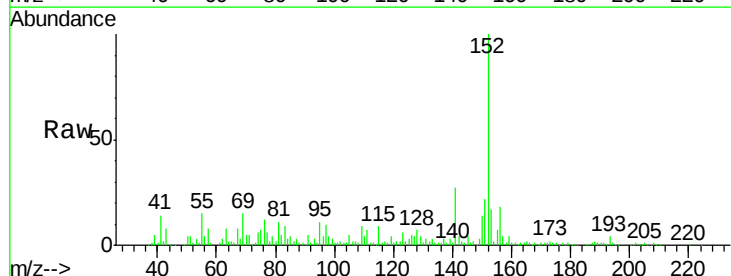
Instrument :
BNA_F
ClientSampleId :
KSB-05-12.0-14.0MS

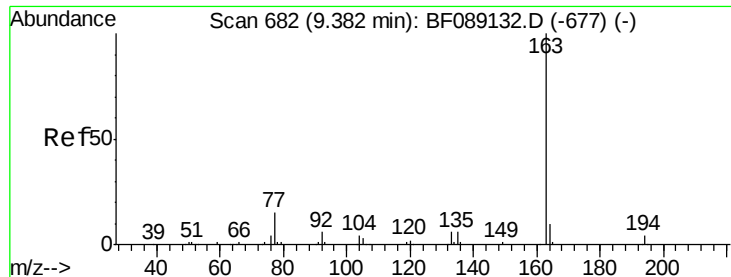
Tgt Ion: 65 Resp: 12053
Ion Ratio Lower Upper
65 100
92 74.5 53.2 79.8
138 89.4 69.4 104.2



#48
Acenaphthylene
Concen: 29.91 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

Tgt Ion: 152 Resp: 334226
Ion Ratio Lower Upper
152 100
151 22.0 16.5 24.7
153 16.5 10.7 16.1#

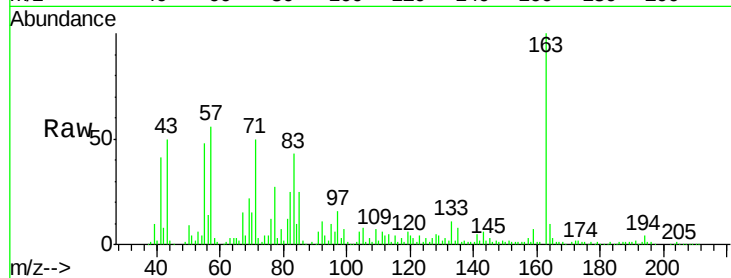




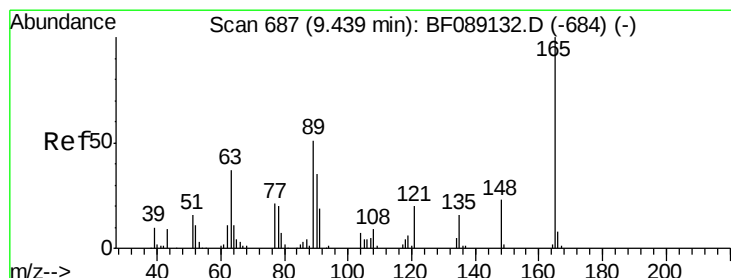
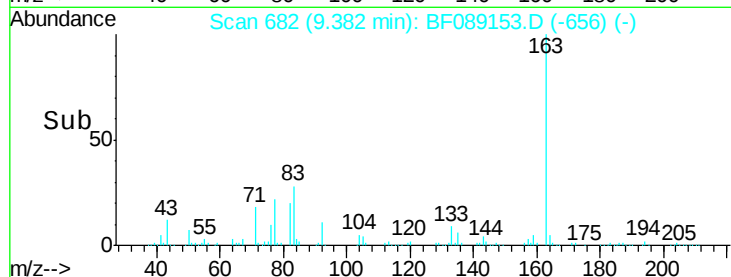
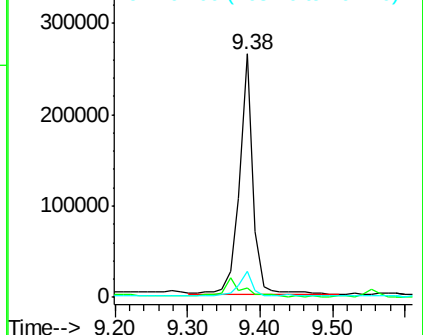
#49
Dimethylphthalate
Concen: 42.38 ng
RT: 9.38 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

Instrument :
BNA_F
ClientSampleId :
KSB-05-12.0-14.0MS

Tgt Ion:163 Resp: 337798
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.5 7.6 11.4

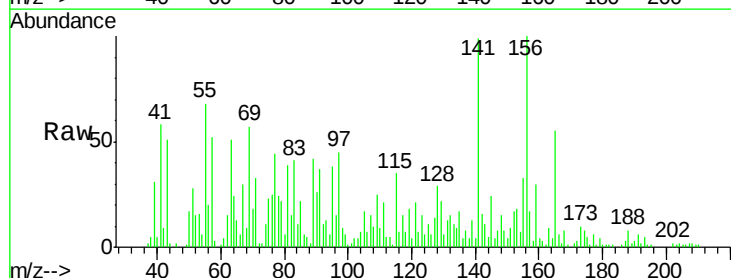


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

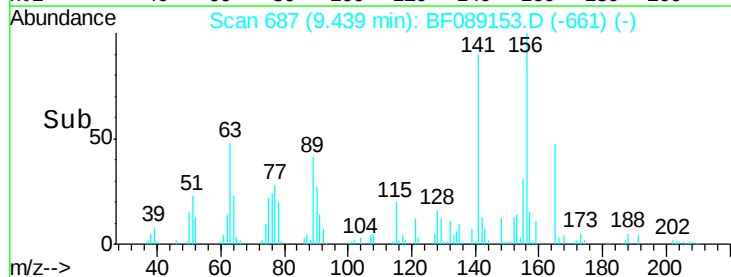
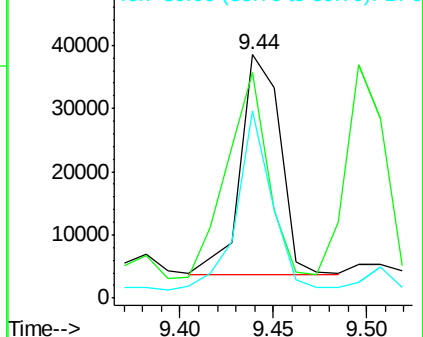


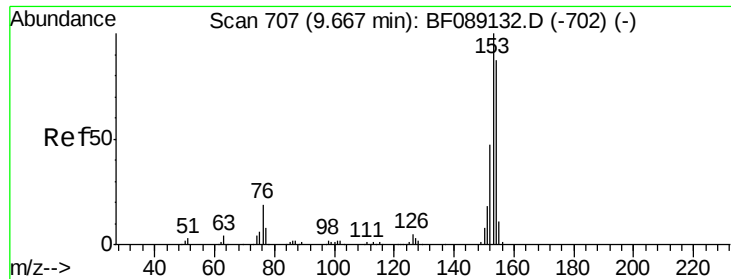
#50
2,6-Dinitrotoluene
Concen: 28.49 ng
RT: 9.44 min Scan# 687
Delta R.T. 0.00 min
Lab File: BF089153.D
Acq: 21 Jul 2016 1:52

Tgt Ion:165 Resp: 51263
Ion Ratio Lower Upper
165 100
63 92.5 37.0 55.4#
89 76.7 40.9 61.3#



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: 32.41 ng

RT: 9.68 min Scan# 708

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

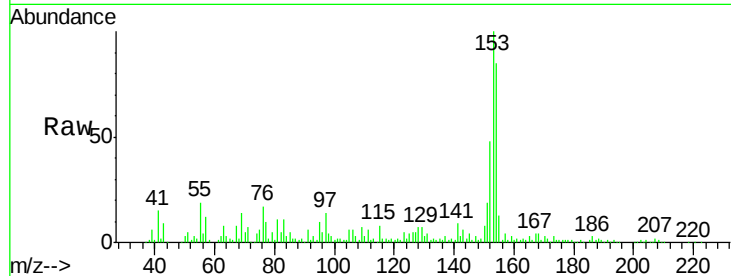
Tgt Ion:154 Resp: 214263

Ion Ratio Lower Upper

154 100

153 117.1 91.9 137.9

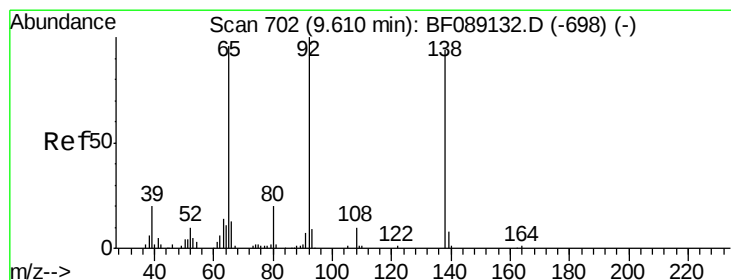
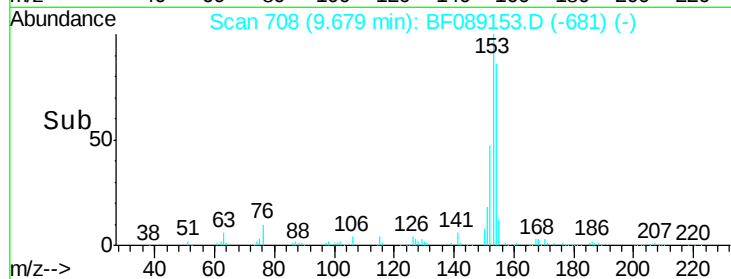
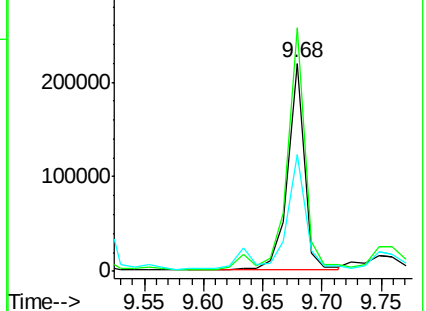
152 56.3 42.8 64.2



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: 27.30 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

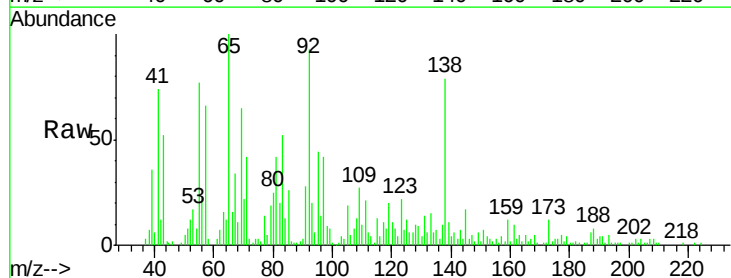
Tgt Ion:138 Resp: 58333

Ion Ratio Lower Upper

138 100

108 16.3 8.8 13.2#

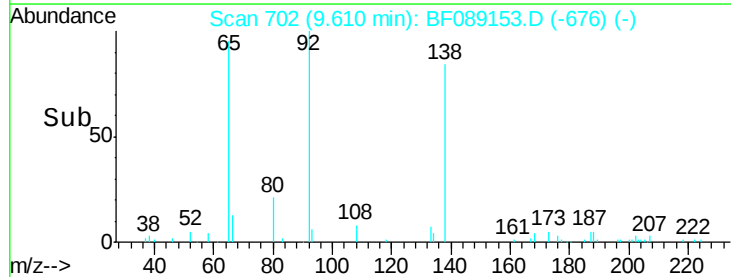
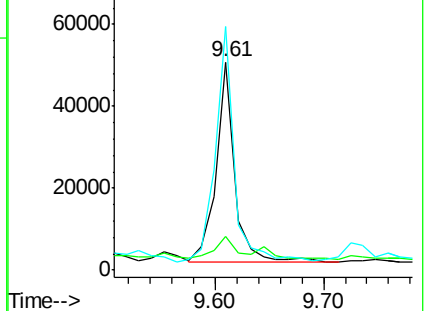
92 117.2 85.3 127.9

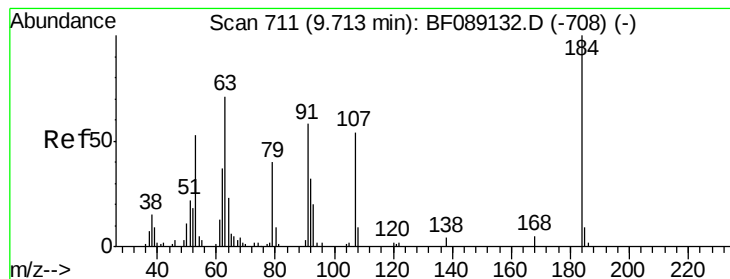


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 24.37 ng

RT: 9.72 min Scan# 712

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

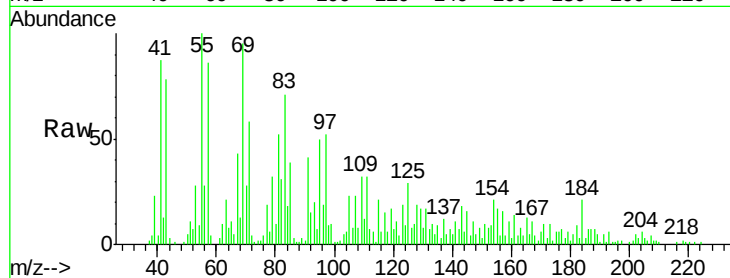
Tgt Ion:184 Resp: 16269

Ion Ratio Lower Upper

184 100

63 101.0 60.3 90.5#

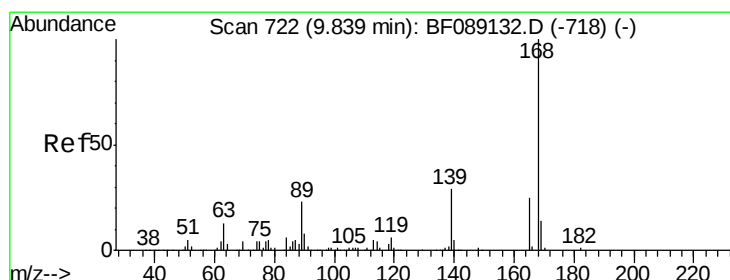
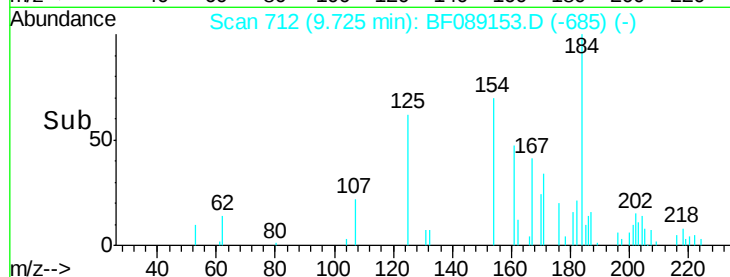
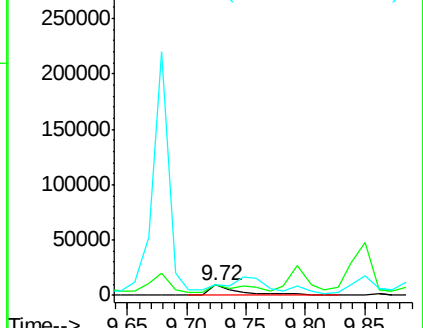
154 101.0 60.7 91.1#



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: 34.84 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

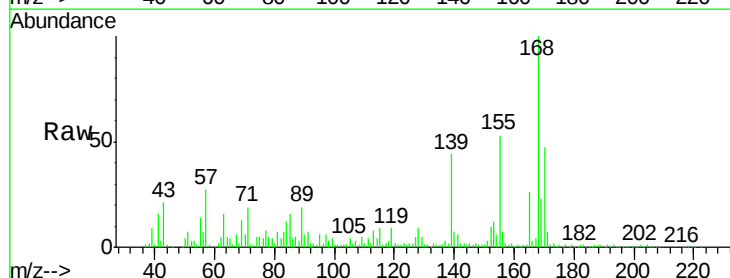
Tgt Ion:168 Resp: 311213

Ion Ratio Lower Upper

168 100

139 43.6 34.4 51.6

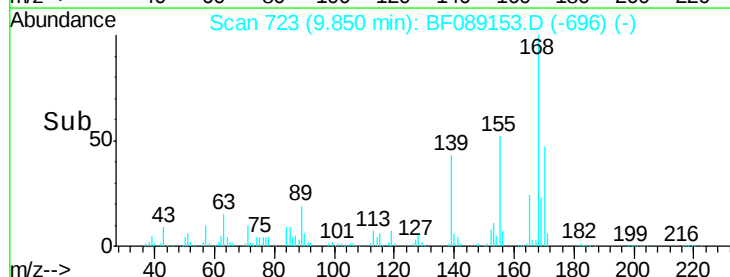
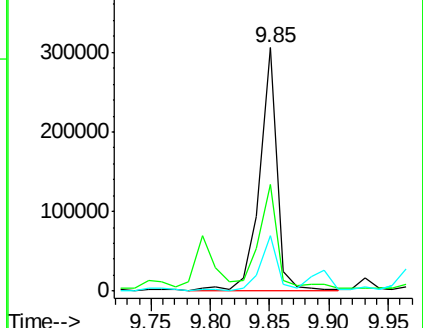
169 23.0 10.8 16.2#

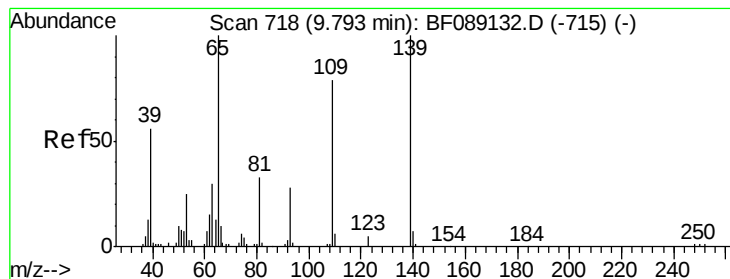


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 70.83 ng

RT: 9.79 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

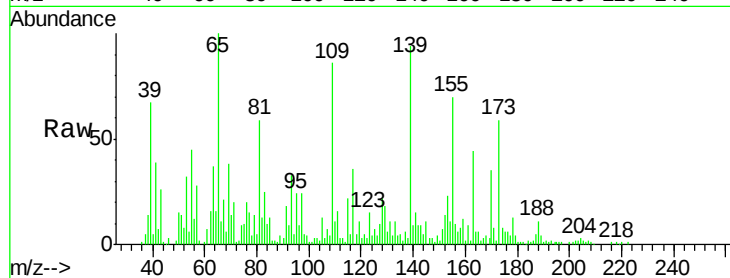
Tgt Ion:139 Resp: 91586

Ion Ratio Lower Upper

139 100

109 92.2 58.7 98.7

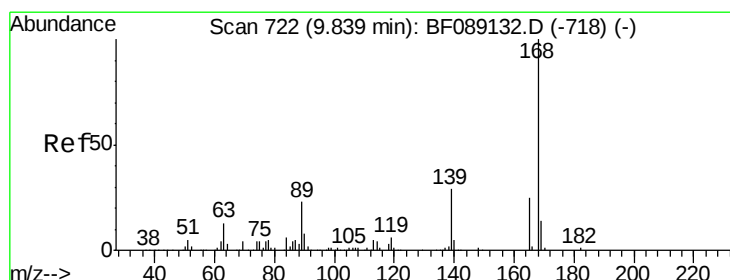
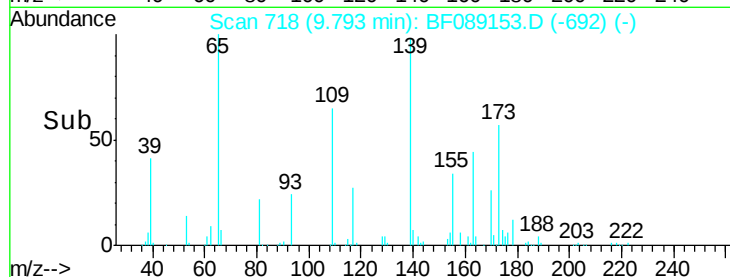
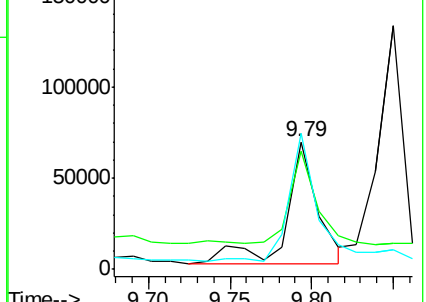
65 106.9 80.2 120.2



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



#56

2,4-Dinitrotoluene

Concen: 40.06 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Tgt Ion:165 Resp: 92846

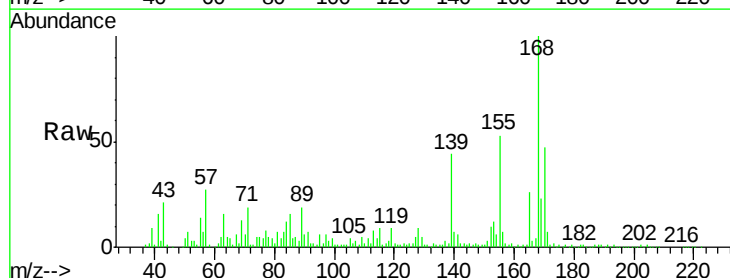
Ion Ratio Lower Upper

165 100

63 60.1 55.4 83.2

89 75.2 74.3 111.5

182 4.1 2.0 3.0#

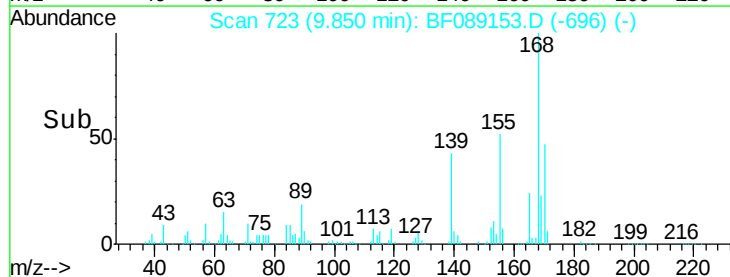
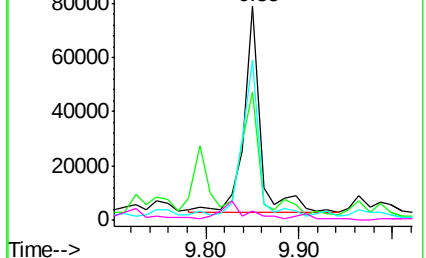


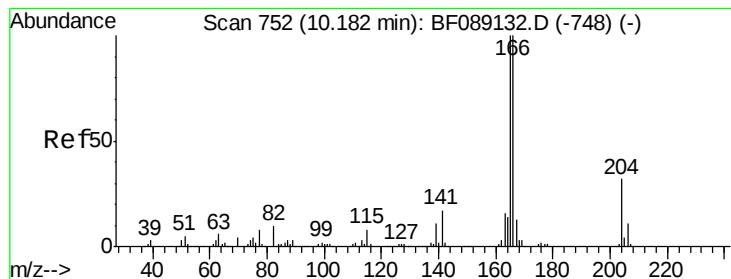
Abundance Ion 165.00 (164.70 to 165.70): E

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: 35.33 ng

RT: 10.19 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

KSB-05-12.0-14.0MS

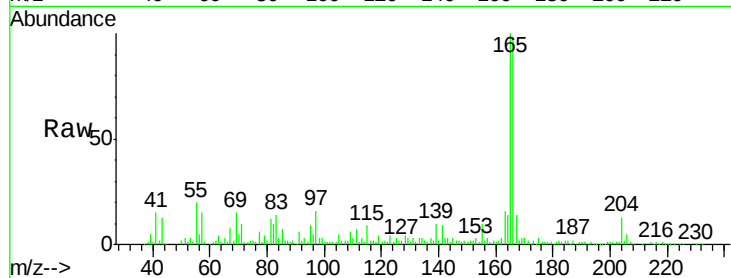
Tgt Ion:166 Resp: 267898

Ion Ratio Lower Upper

166 100

165 101.6 79.9 119.9

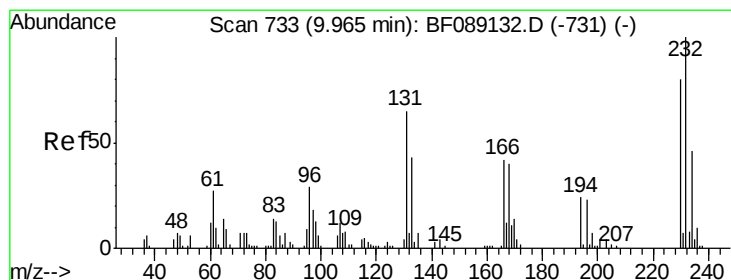
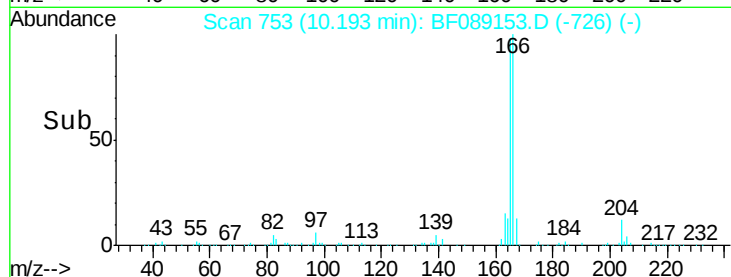
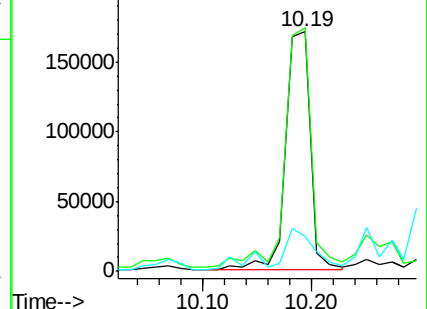
167 14.3 10.7 16.1



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: 34.18 ng

RT: 9.98 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF089153.D

Acq: 21 Jul 2016 1:52

Tgt Ion:232 Resp: 53242

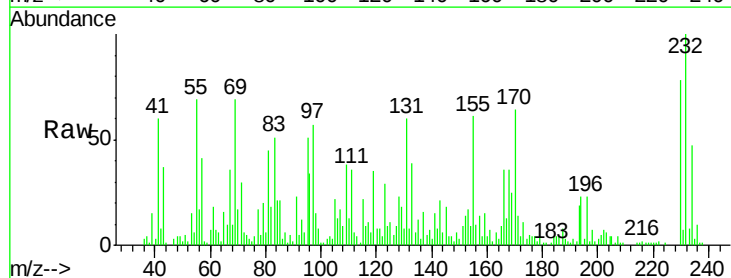
Ion Ratio Lower Upper

232 100

131 68.5 46.2 69.2

130 11.6 2.3 3.5#

166 36.1 29.5 44.3



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

