

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087128.D
 Acq On : 18 May 2016 3:46
 Operator : UM/SJ
 Sample : H3085-03MS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

Quant Time: May 18 04:14:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	131352	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	546302	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	254632	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	451492	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	294948	20.00	ng	-0.02
86) Perylene-d12	15.09	264	264405	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1034305	132.35	ng	-0.01
7) Phenol-d6	6.27	99	1507125	143.80	ng	-0.01
23) Nitrobenzene-d5	7.18	82	1055142	96.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	362769	128.92	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	1495745	97.29	ng	-0.01
78) Terphenyl-d14	12.70	244	1397383	107.17	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.08	88	150556	37.45	ng	# 70
3) Pyridine	2.71	79	420550	43.25	ng	# 65
4) n-Nitrosodimethylamine	2.67	42	331676	48.13	ng	# 48
6) Aniline	6.26	93	298892	22.45	ng	# 71
8) 2-Chlorophenol	6.39	128	432021	45.44	ng	99
9) Benzaldehyde	6.15	77	32985	4.42	ng	97
10) Phenol	6.28	94	495904	37.64	ng	94
11) bis(2-Chloroethyl)ether	6.34	93	462848	46.79	ng	88
12) 1,3-Dichlorobenzene	6.52	146	434319	42.97	ng	# 89
13) 1,4-Dichlorobenzene	6.76	146	415089	40.14	ng	94
14) 1,2-Dichlorobenzene	6.76	146	418511	46.23	ng	100
15) Benzyl Alcohol	6.76	79	389337	49.90	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.89	45	906344	44.56	ng	69
17) 2-Methylphenol	6.89	107	351291	44.99	ng	# 78
18) Hexachloroethane	7.10	117	169882	42.97	ng	97
19) n-Nitroso-di-n-propylamine	7.03	70	341850	42.91	ng	# 67
20) 3+4-Methylphenols	7.05	107	485657	47.15	ng	# 58
22) Acetophenone	7.02	105	626207	46.84	ng	# 97
24) Nitrobenzene	7.19	77	480905	40.18	ng	95
25) Isophorone	7.43	82	896930	44.70	ng	97
26) 2-Nitrophenol	7.51	139	236246	47.65	ng	# 78
27) 2,4-Dimethylphenol	7.56	122	357972	42.31	ng	87
28) bis(2-Chloroethoxy)methane	7.64	93	521034	47.30	ng	# 97
29) 2,4-Dichlorophenol	7.76	162	367674	49.31	ng	96
30) 1,2,4-Trichlorobenzene	7.83	180	388126	46.91	ng	97
31) Naphthalene	7.91	128	1276289	47.81	ng	100
32) Benzoic acid	7.68	122	18488	3.67	ng	89
33) 4-Chloroaniline	7.98	127	135628	12.22	ng	96
34) Hexachlorobutadiene	8.02	225	214796	45.75	ng	97
35) Caprolactam	8.35	113	63425	25.55	ng	# 53
36) 4-Chloro-3-methylphenol	8.48	107	399120	44.38	ng	90
37) 2-Methylnaphthalene	8.70	142	764384	44.77	ng	95
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	352514	47.40	ng	96
40) Hexachlorocyclopentadiene	8.75	237	249697	86.26	ng	93

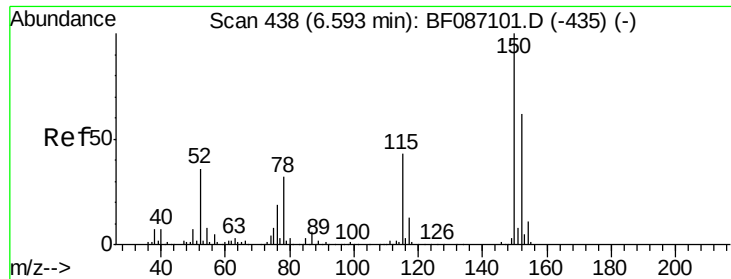
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	235958	48.92	ng	95
43) 2,4,5-Trichlorophenol	8.94	196	223796	44.67	ng #	81
45) 1,1'-Biphenyl	9.06	154	942559	44.64	ng	96
46) 2-Chloronaphthalene	9.08	162	747623	46.12	ng	94
47) 2-Nitroaniline	9.20	65	324530	52.25	ng	86
48) Acenaphthylene	9.50	152	1143499	46.20	ng	99
49) Dimethylphthalate	9.38	163	1137497	58.56	ng	99
50) 2,6-Dinitrotoluene	9.44	165	183242	43.45	ng #	75
51) Acenaphthene	9.67	154	734379	47.49	ng	98
52) 3-Nitroaniline	9.61	138	135876	29.76	ng	92
53) 2,4-Dinitrophenol	9.72	184	146346	61.71	ng	89
54) Dibenzofuran	9.84	168	991310	49.58	ng	95
55) 4-Nitrophenol	9.84	139	689798	136.45	ng #	20
56) 2,4-Dinitrotoluene	9.85	165	261323	48.38	ng #	65
57) Fluorene	10.18	166	811491	50.51	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.96	232	194443	49.83	ng	96
59) Diethylphthalate	10.07	149	863053	46.54	ng	98
60) 4-Chlorophenyl-phenylether	10.17	204	334153	43.88	ng	94
61) 4-Nitroaniline	10.23	138	202925	45.01	ng #	69
62) Azobenzene	10.33	77	988137	46.24	ng	84
64) 4,6-Dinitro-2-methylphenol	10.26	198	130605	43.92	ng	86
65) n-Nitrosodiphenylamine	10.30	169	692356	48.73	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	228720	49.26	ng	94
67) Hexachlorobenzene	10.72	284	249788	46.40	ng #	61
68) Atrazine	10.83	200	204395	44.10	ng	95
69) Pentachlorophenol	10.94	266	214627	106.14	ng	97
70) Phenanthrene	11.13	178	1073558	43.84	ng	100
71) Anthracene	11.19	178	1213486	48.99	ng	100
72) Carbazole	11.35	167	989791	43.75	ng	98
73) Di-n-butylphthalate	11.68	149	1270584	48.89	ng #	98
74) Fluoranthene	12.32	202	1223137	49.85	ng	91
76) Benzidine	12.44	184	203063	21.33	ng	97
77) Pyrene	12.54	202	1093238	51.31	ng	100
79) Butylbenzylphthalate	13.16	149	506311	56.29	ng #	61
80) Benzo(a)anthracene	13.73	228	830048	48.67	ng	99
81) 3,3'-Dichlorobenzidine	13.70	252	139543	12.86	ng #	94
82) Chrysene	13.76	228	722164	43.77	ng	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	613449	56.04	ng #	99
84) Di-n-octyl phthalate	14.34	149	1012840	53.71	ng #	85
85) Indeno(1,2,3-cd)pyrene	16.34	276	765351	52.84	ng	94
87) Benzo(b)fluoranthene	14.75	252	1477694	84.24	ng #	94
88) Benzo(k)fluoranthene	14.75	252	1477694	113.16	ng #	97
89) Benzo(a)pyrene	15.04	252	696321	47.49	ng	98
90) Dibenzo(a,h)anthracene	16.34	278	639262	51.78	ng #	95
91) Benzo(g,h,i)perylene	16.71	276	658907	52.85	ng #	89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

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VITALE-FILL-CSPH3-12KMS

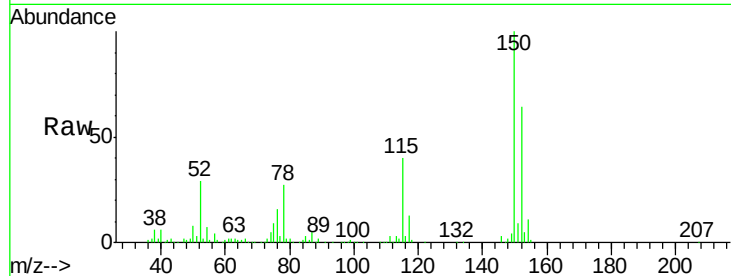
Tgt Ion:152 Resp: 131352

Ion Ratio Lower Upper

152 100

150 156.1 125.8 188.6

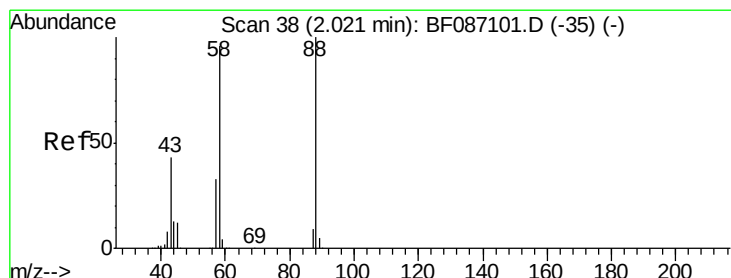
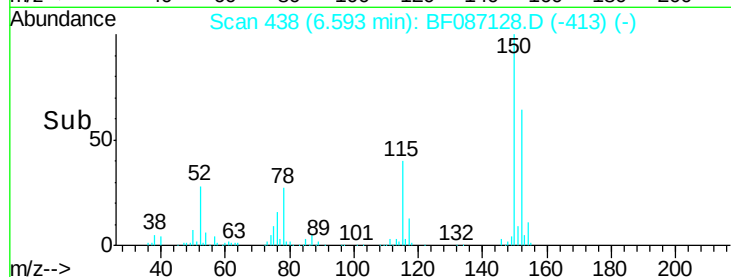
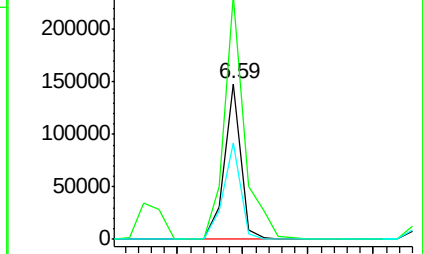
115 61.9 51.5 77.3



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: 37.45 ng

RT: 2.08 min Scan# 43

Delta R.T. 0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

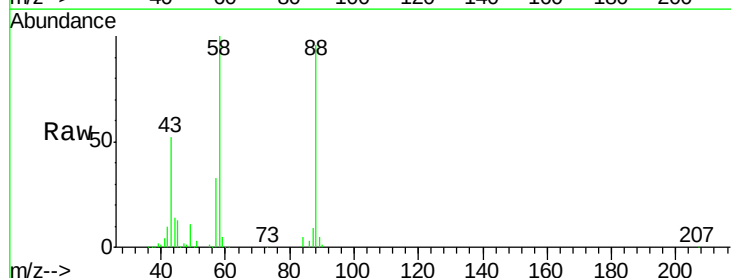
Tgt Ion: 88 Resp: 150556

Ion Ratio Lower Upper

88 100

58 96.0 59.6 89.4#

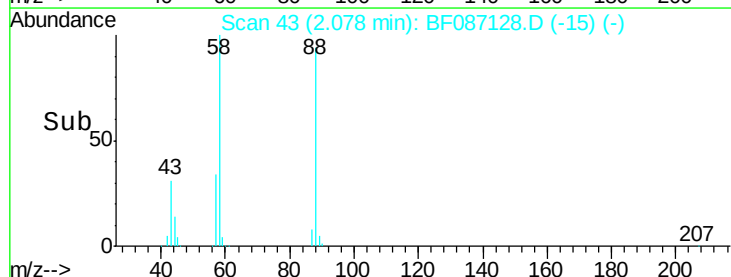
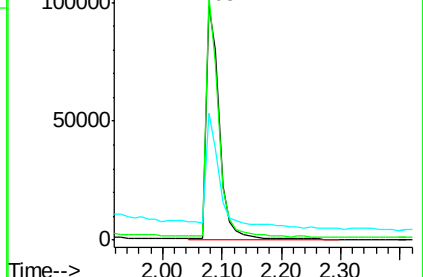
43 49.9 21.8 32.6#

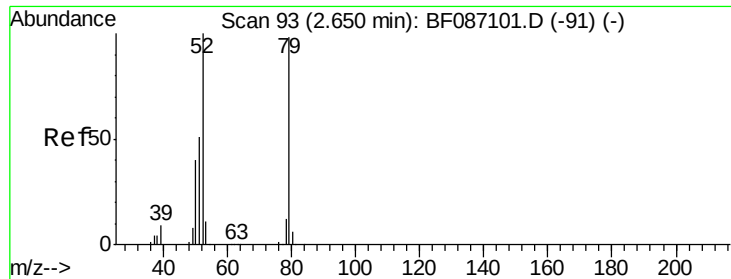


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 43.25 ng

RT: 2.71 min Scan# 98

Delta R.T. 0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

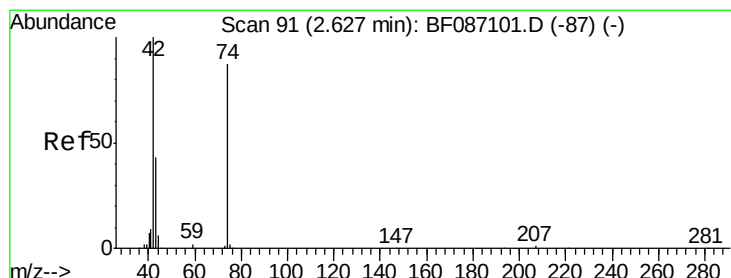
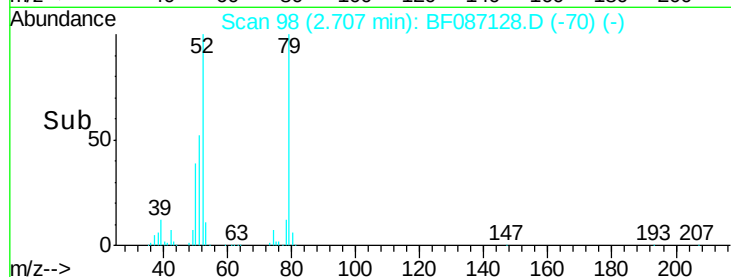
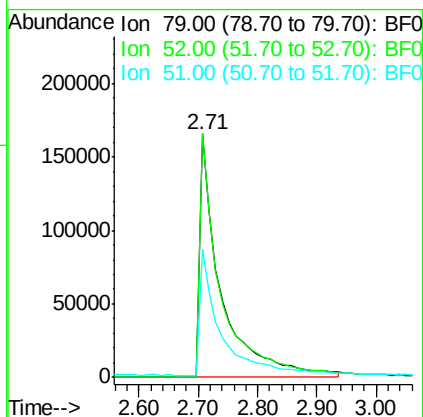
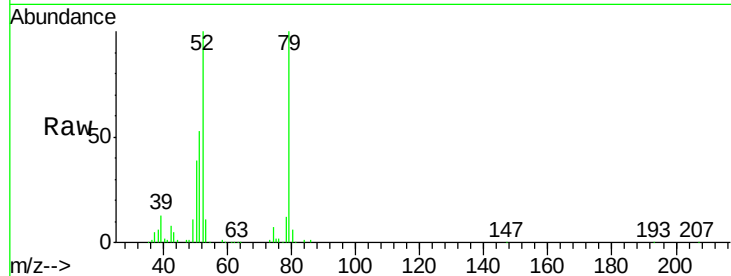
Tgt Ion: 79 Resp: 420550

Ion Ratio Lower Upper

79 100

52 100.1 55.9 83.9#

51 52.8 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 48.13 ng

RT: 2.67 min Scan# 95

Delta R.T. 0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

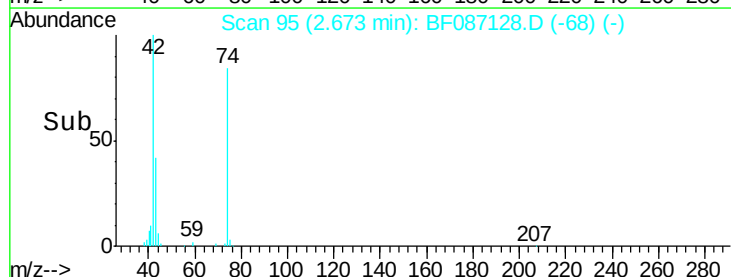
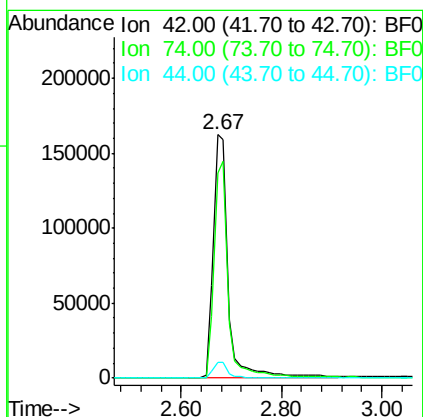
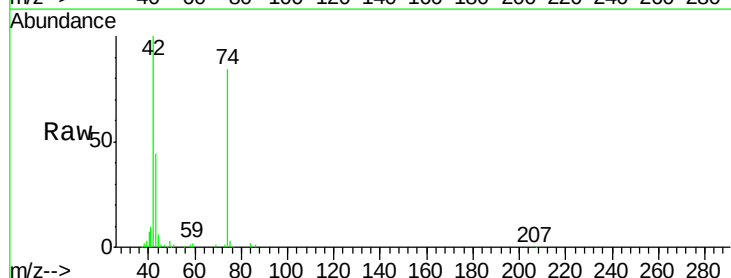
Tgt Ion: 42 Resp: 331676

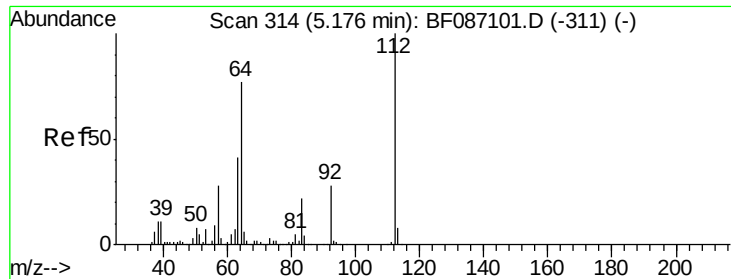
Ion Ratio Lower Upper

42 100

74 84.2 123.4 185.0#

44 6.3 5.8 8.6





#5

2-Fluorophenol

Concen: 132.35 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

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ClientSampleId :

VITALE-FILL-CSPH3-12KMS

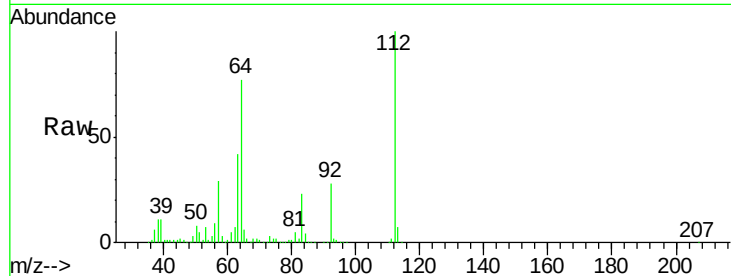
Tgt Ion:112 Resp: 1034305

Ion Ratio Lower Upper

112 100

64 77.2 52.1 78.1

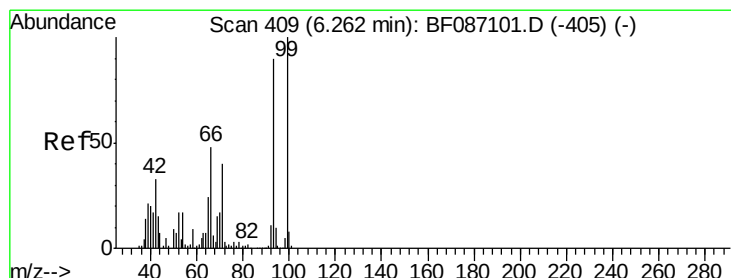
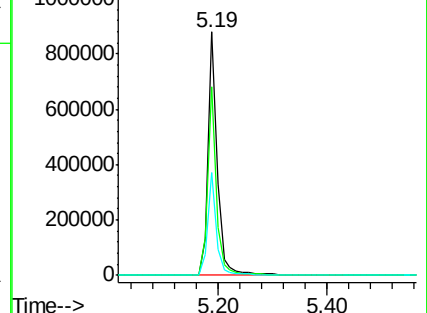
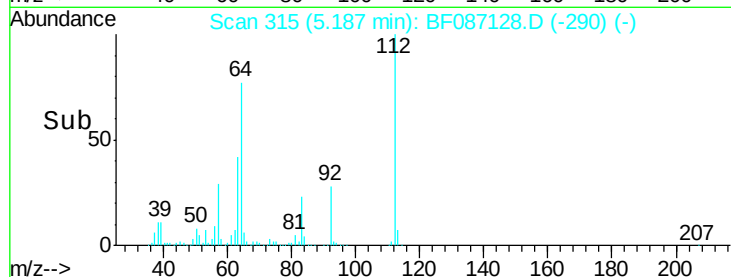
63 42.3 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.45 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

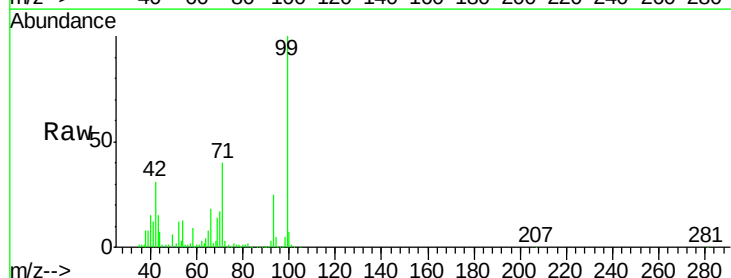
Tgt Ion: 93 Resp: 298892

Ion Ratio Lower Upper

93 100

66 74.8 39.0 58.6#

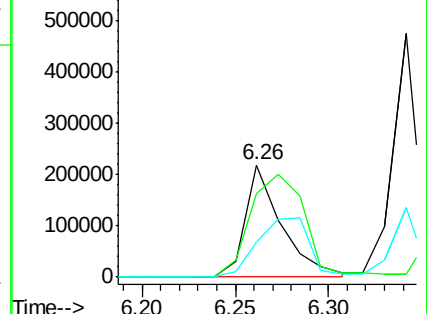
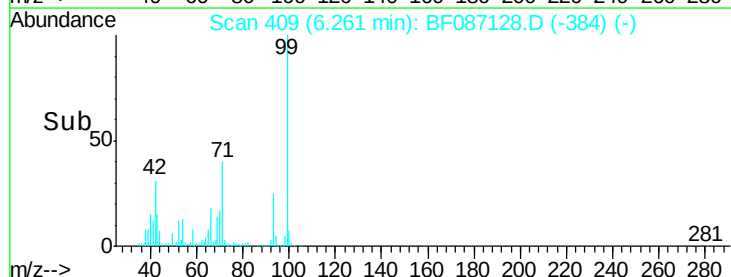
65 31.6 20.6 31.0#

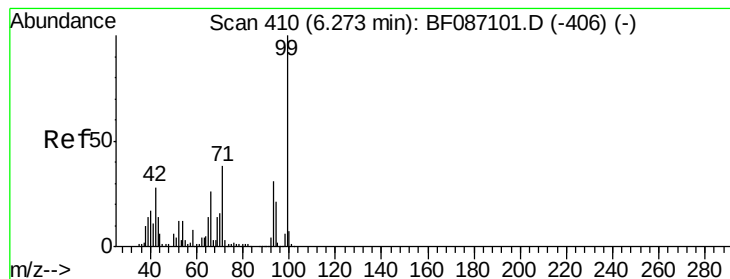


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 143.80 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087128.D

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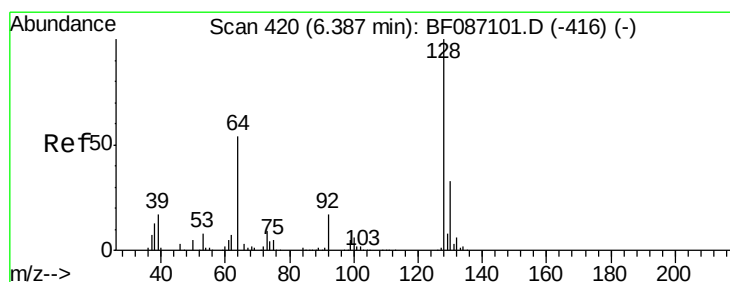
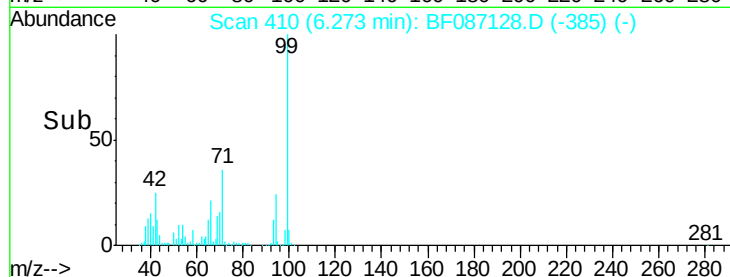
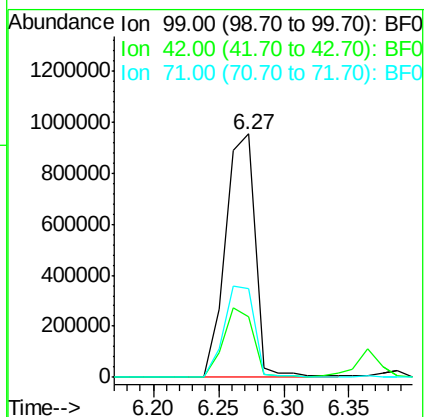
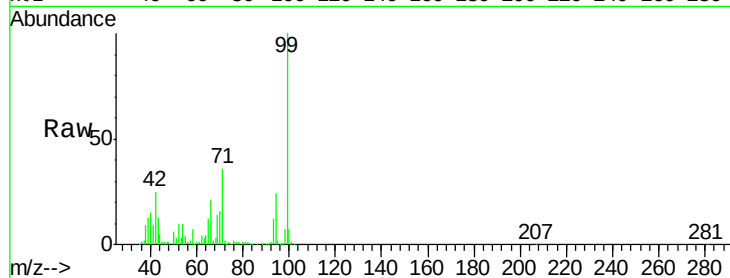
Tgt Ion: 99 Resp: 1507125

Ion Ratio Lower Upper

99 100

42 24.8 13.6 20.4#

71 36.2 24.6 36.8



#8

2-Chlorophenol

Concen: 45.44 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

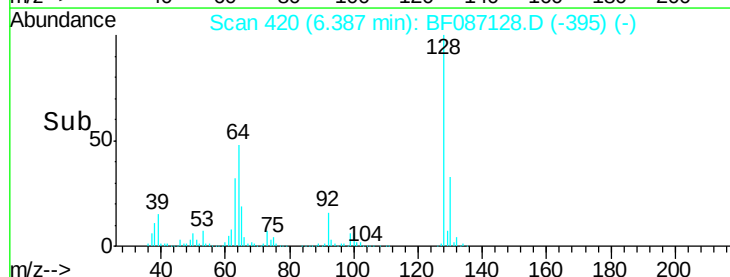
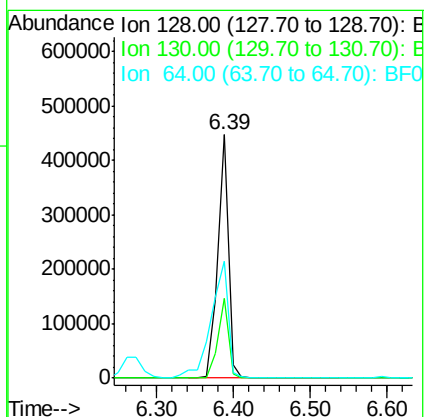
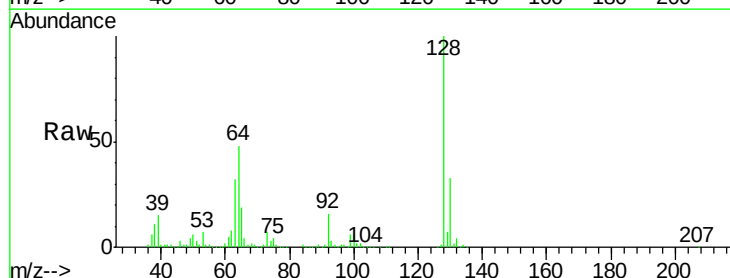
Tgt Ion: 128 Resp: 432021

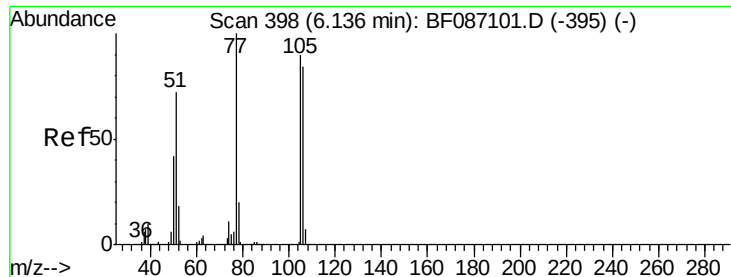
Ion Ratio Lower Upper

128 100

130 33.0 12.5 52.5

64 48.0 27.3 67.3





#9

Benzaldehyde

Concen: 4.42 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

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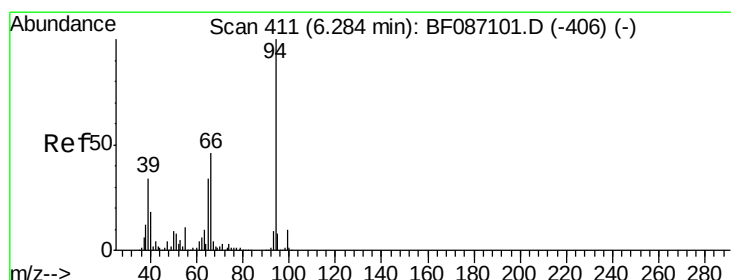
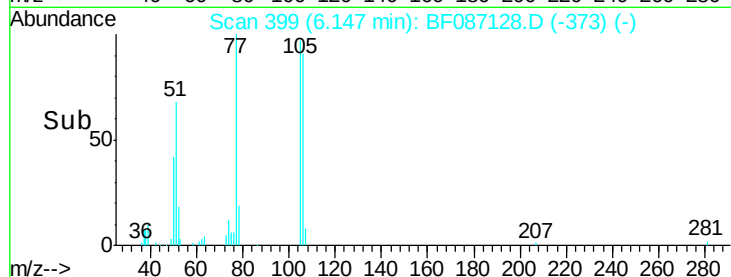
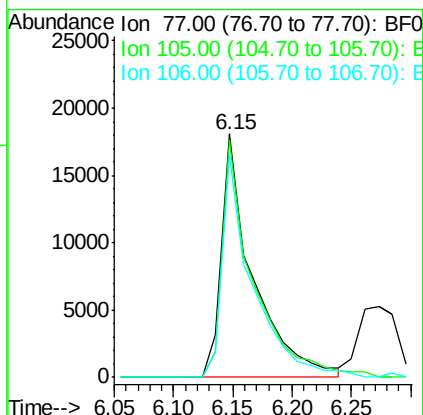
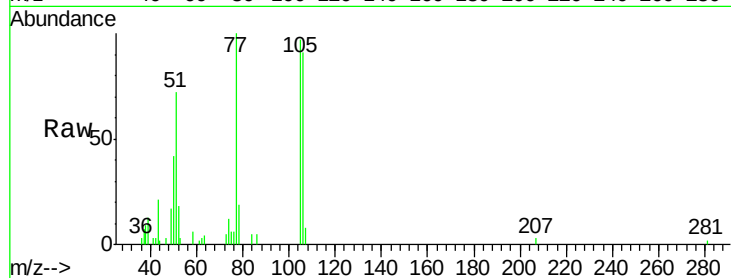
Tgt Ion: 77 Resp: 32985

Ion Ratio Lower Upper

77 100

105 97.2 72.7 112.7

106 91.1 70.8 110.8



#10

Phenol

Concen: 37.64 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

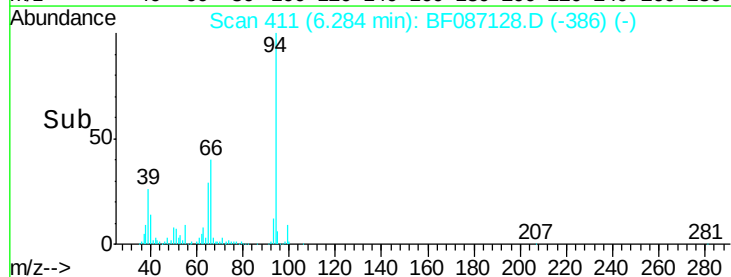
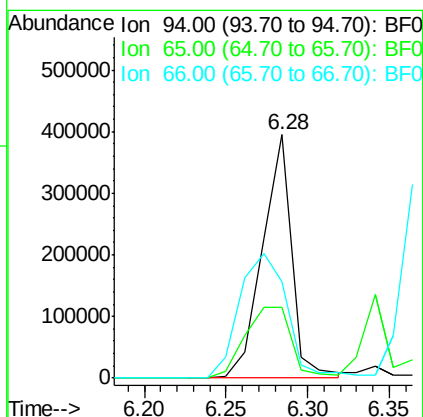
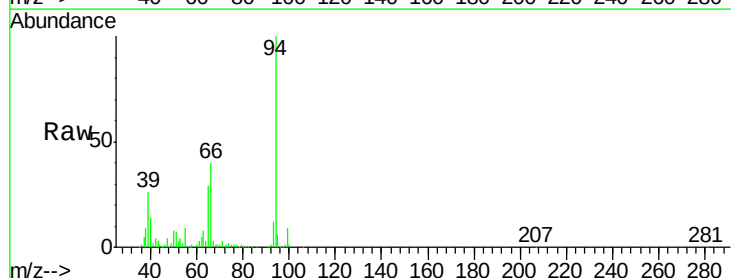
Tgt Ion: 94 Resp: 495904

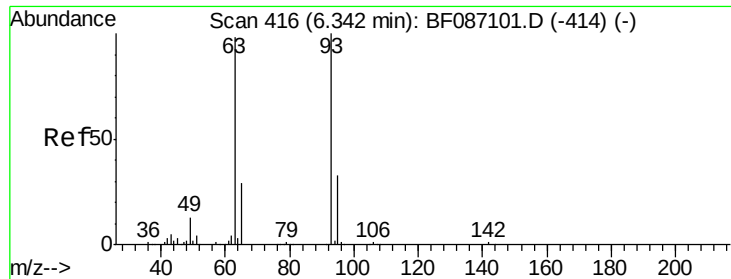
Ion Ratio Lower Upper

94 100

65 29.2 7.2 47.2

66 39.8 14.9 54.9

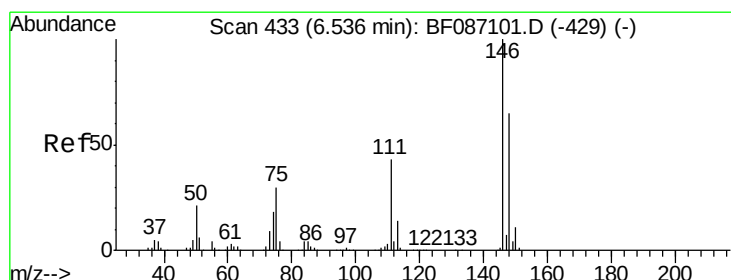
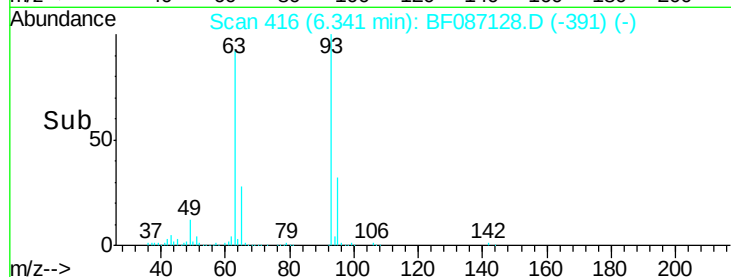
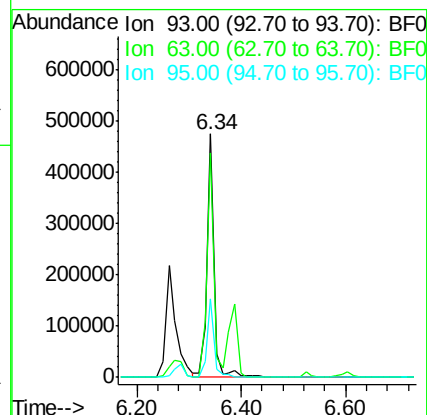
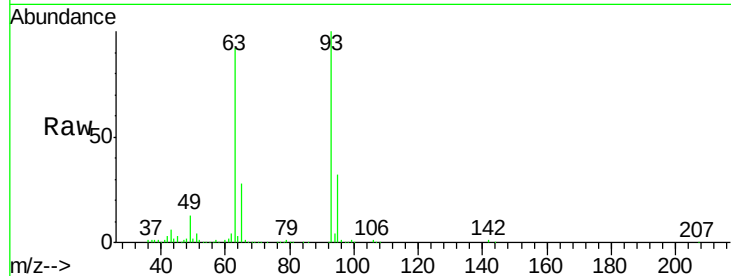




#11
 bis(2-Chloroethyl)ether
 Concen: 46.79 ng
 RT: 6.34 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

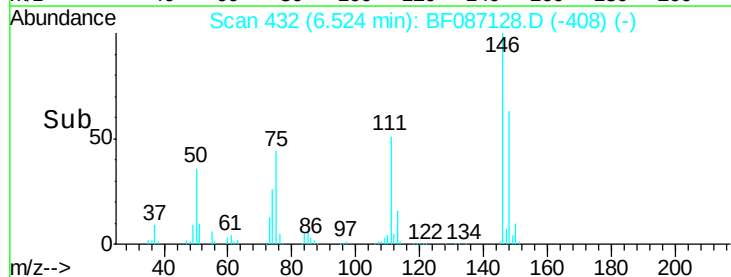
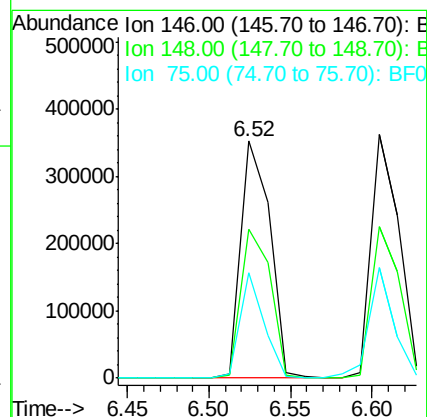
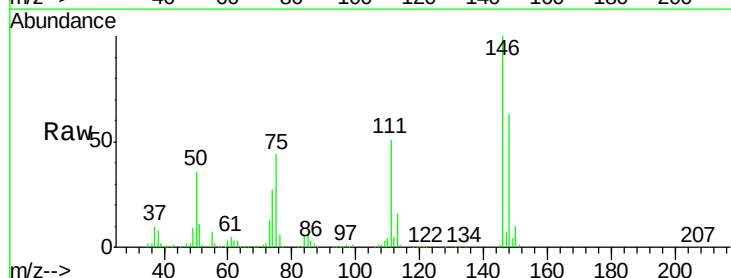
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

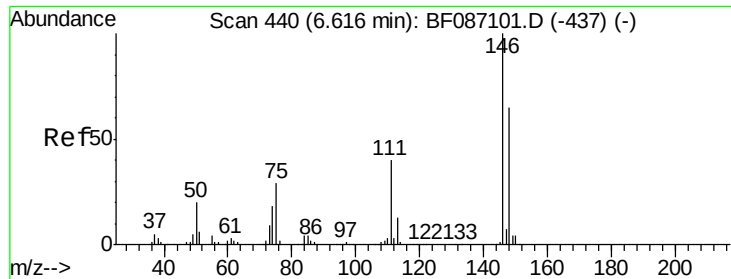
Tgt Ion: 93 Resp: 462848
 Ion Ratio Lower Upper
 93 100
 63 92.3 58.0 98.0
 95 32.4 11.9 51.9



#12
 1,3-Dichlorobenzene
 Concen: 42.97 ng
 RT: 6.52 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion: 146 Resp: 434319
 Ion Ratio Lower Upper
 146 100
 148 63.0 52.4 78.6
 75 44.4 22.8 34.2#

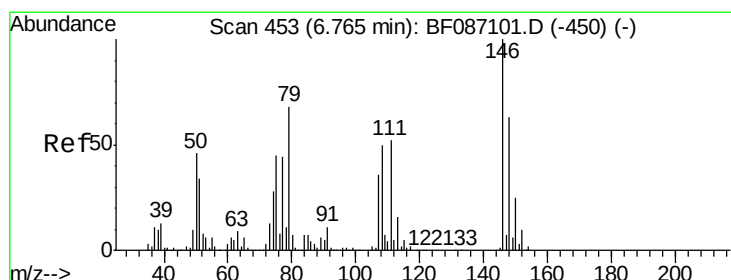
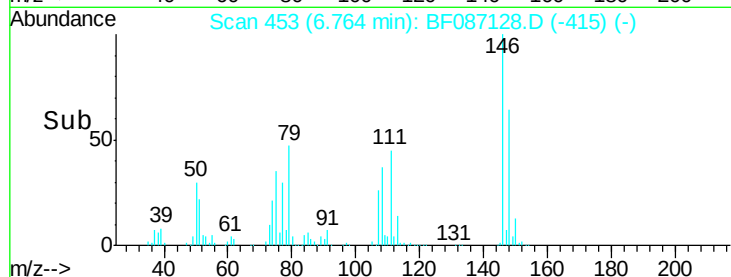
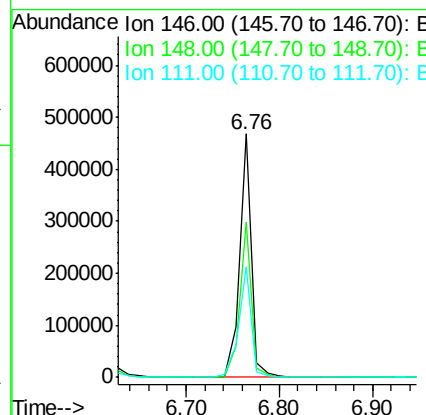
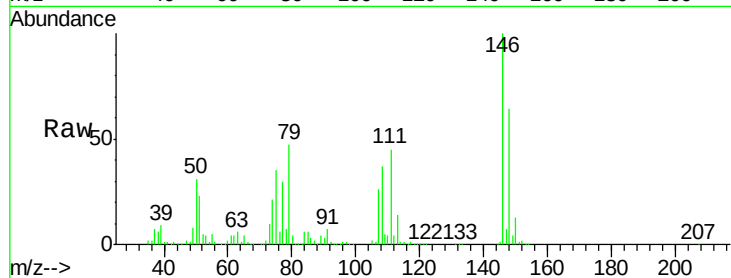




#13
 1,4-Dichlorobenzene
 Concen: 40.14 ng
 RT: 6.76 min Scan# 453
 Delta R.T. 0.14 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

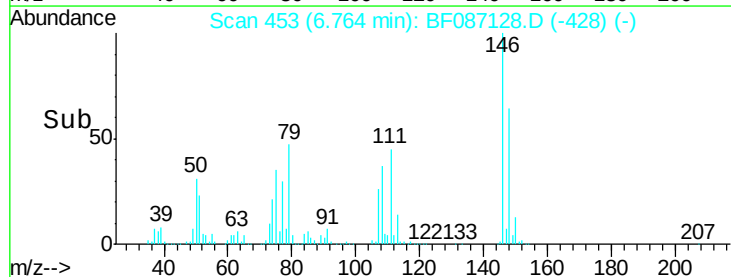
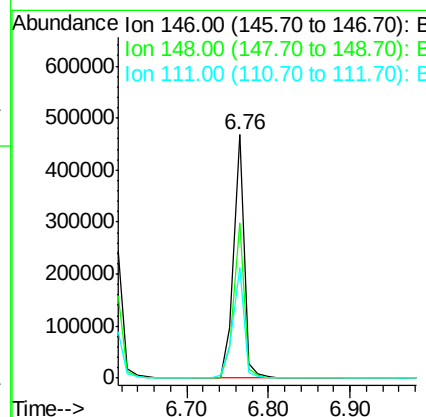
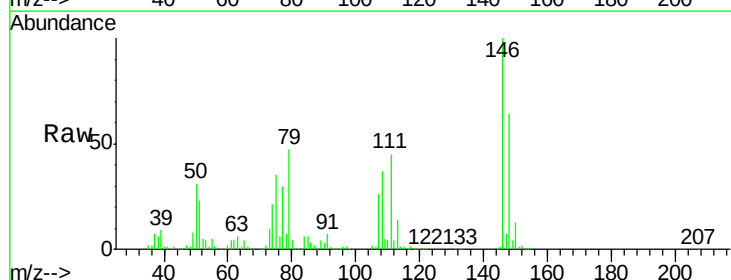
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

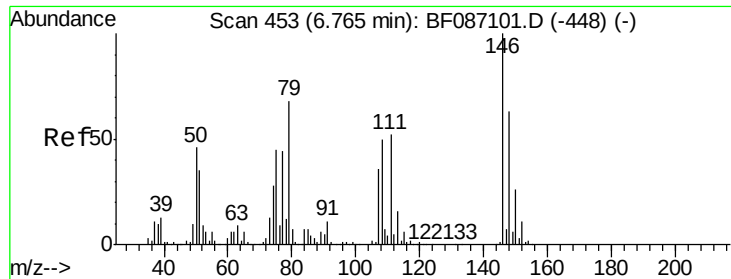
Tgt Ion:146 Resp: 415089
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.2 78.4
 111 45.4 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 46.23 ng
 RT: 6.76 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion:146 Resp: 418511
 Ion Ratio Lower Upper
 146 100
 148 63.7 51.0 76.6
 111 45.4 36.2 54.4

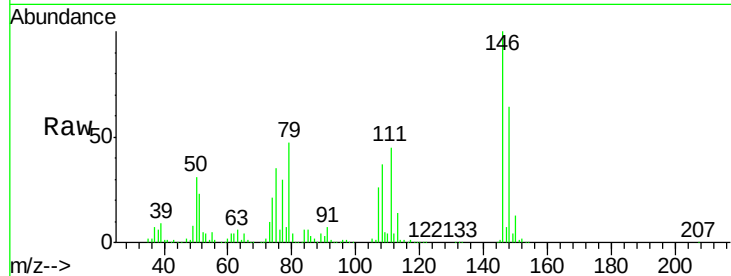




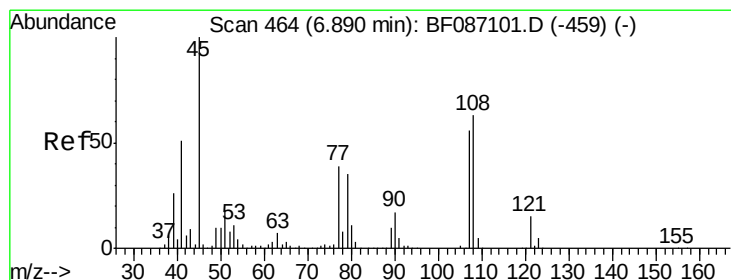
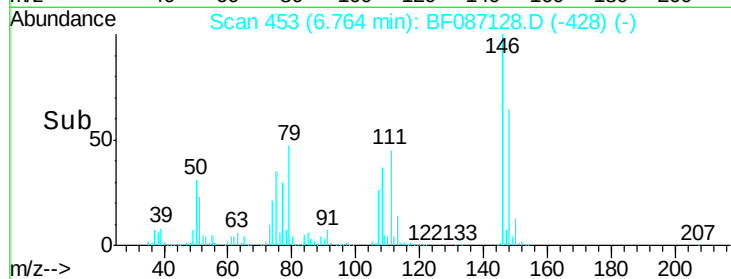
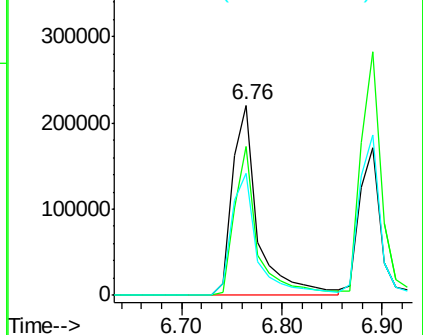
#15
Benzyl Alcohol
Concen: 49.90 ng
RT: 6.76 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMS

Tgt Ion: 79 Resp: 389337
Ion Ratio Lower Upper
79 100
108 78.3 68.4 102.6
77 64.3 50.6 76.0

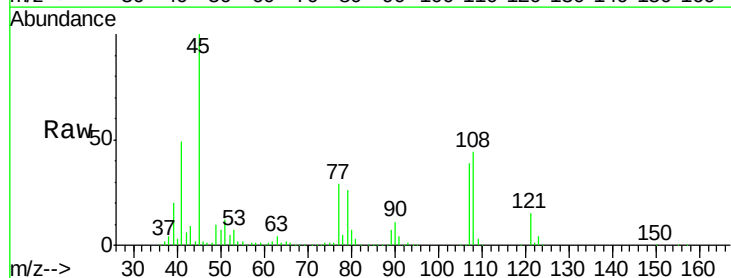


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

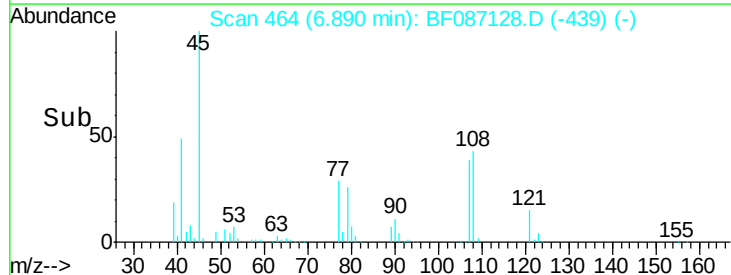
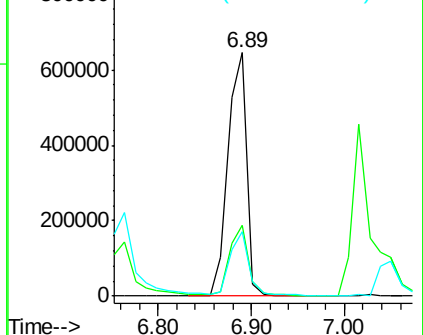


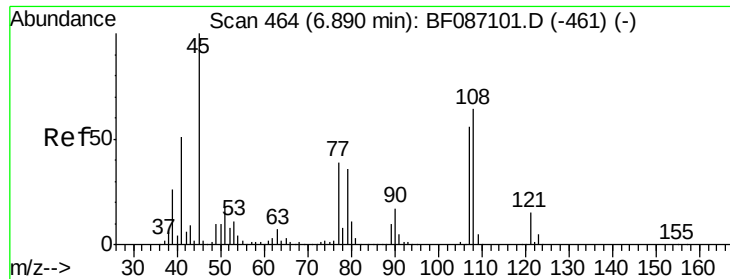
#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.56 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion: 45 Resp: 906344
Ion Ratio Lower Upper
45 100
77 28.9 0.0 36.4
79 26.5 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 44.99 ng

RT: 6.89 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tgt Ion:107 Resp: 351291

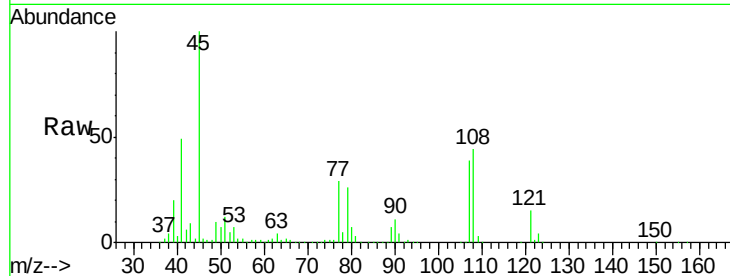
Ion Ratio Lower Upper

107 100

108 112.6 93.7 140.5

77 74.4 33.4 50.0#

79 68.1 34.3 51.5#

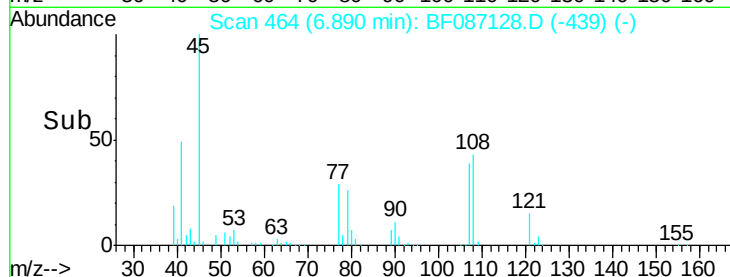


Abundance Ion 107.00 (106.70 to 107.70): E

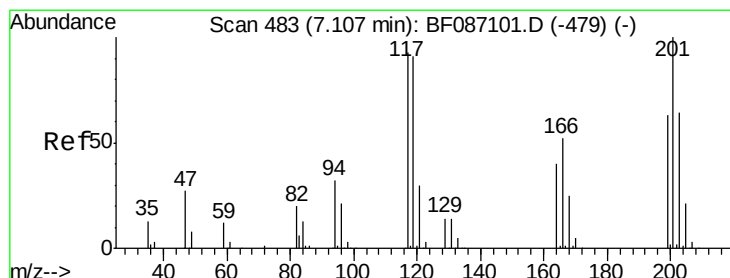
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 42.97 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

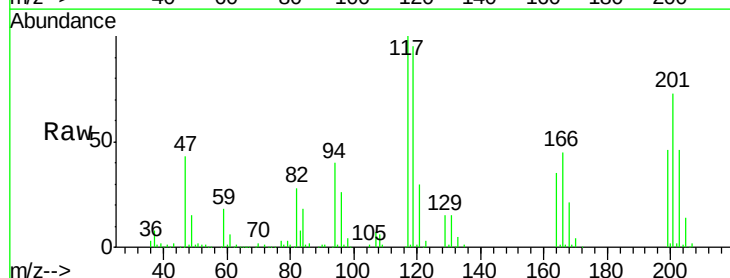
Tgt Ion:117 Resp: 169882

Ion Ratio Lower Upper

117 100

119 95.0 76.5 114.7

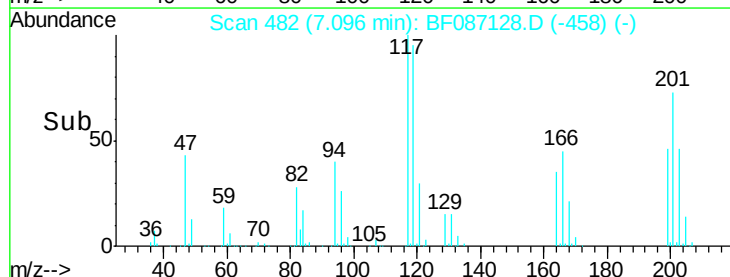
201 72.7 63.0 94.6



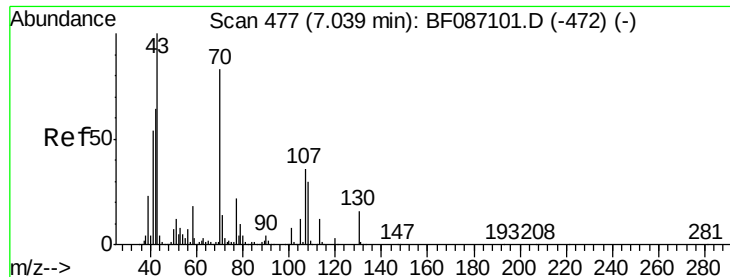
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



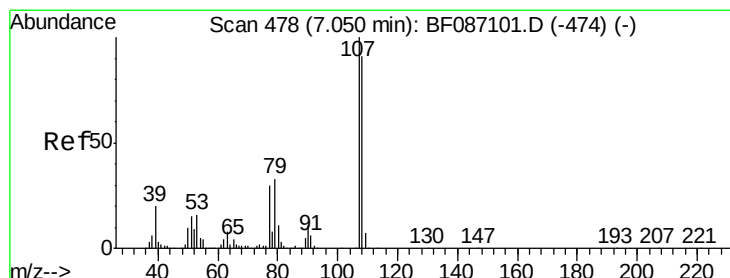
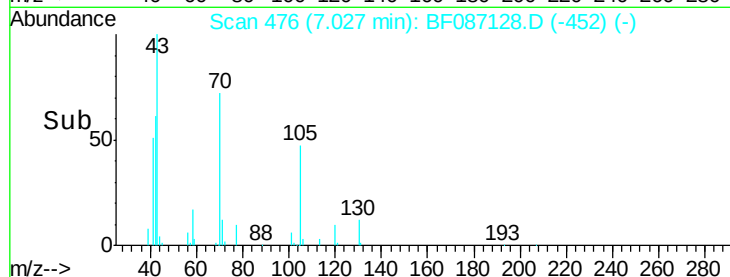
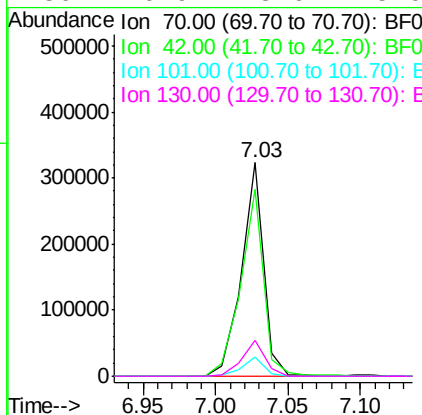
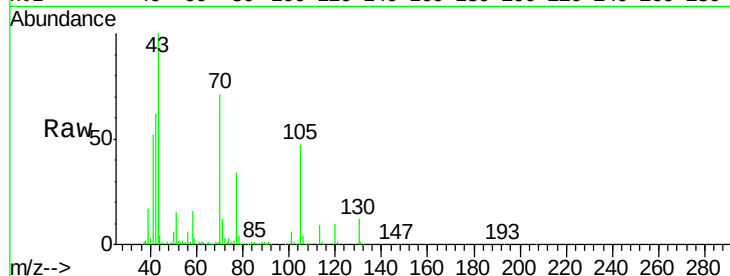
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 42.91 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

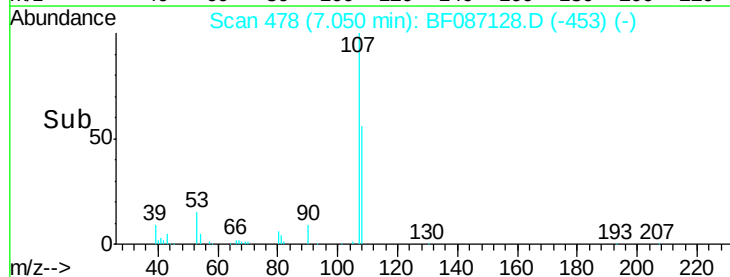
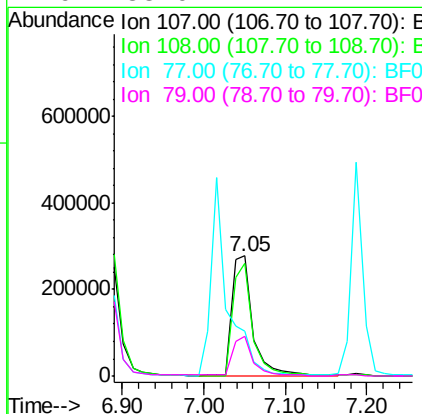
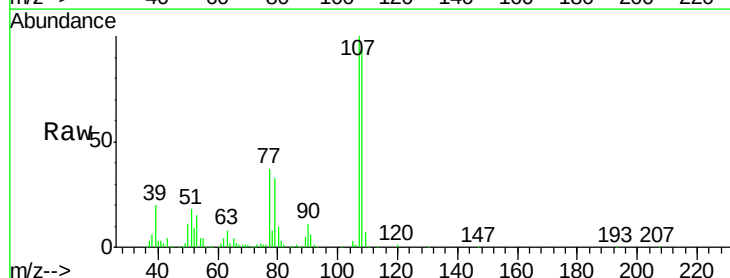
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMS

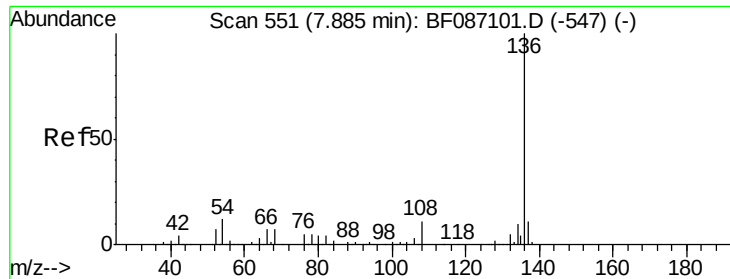
Tgt Ion: 70 Resp: 341850
Ion Ratio Lower Upper
70 100
42 87.5 43.1 64.7#
101 8.9 8.1 12.1
130 16.9 18.6 28.0#



#20
3+4-Methylphenols
Concen: 47.15 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion: 107 Resp: 485657
Ion Ratio Lower Upper
107 100
108 93.7 68.5 108.5
77 37.0 101.6 141.6#
79 33.0 7.4 47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tgt Ion:136 Resp: 546302

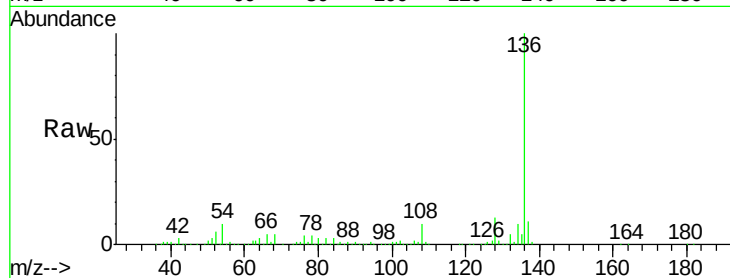
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.8 5.0 7.4#

68 5.2 4.4 6.6

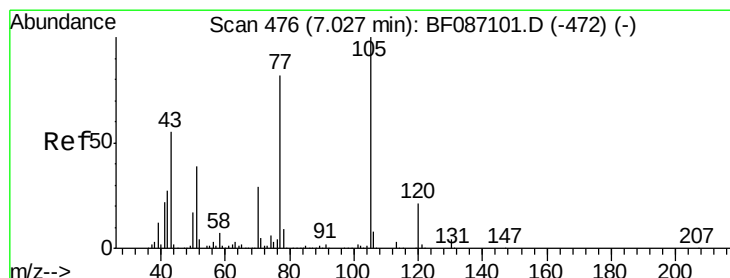
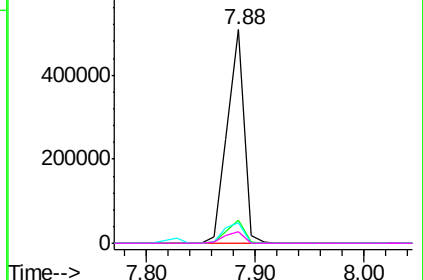
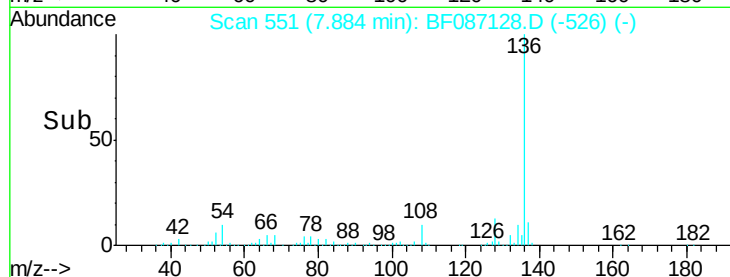


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.84 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:105 Resp: 626207

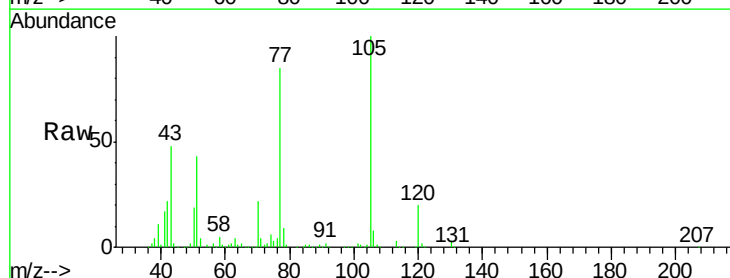
Ion Ratio Lower Upper

105 100

71 3.7 4.8 7.2#

51 42.7 32.6 49.0

120 19.8 16.5 24.7

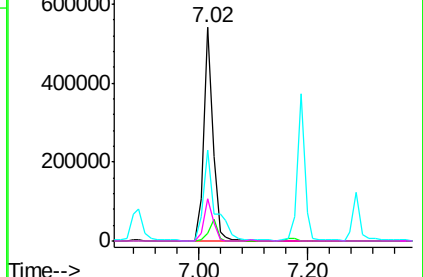
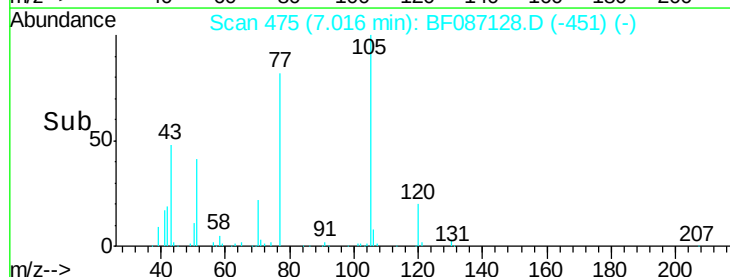


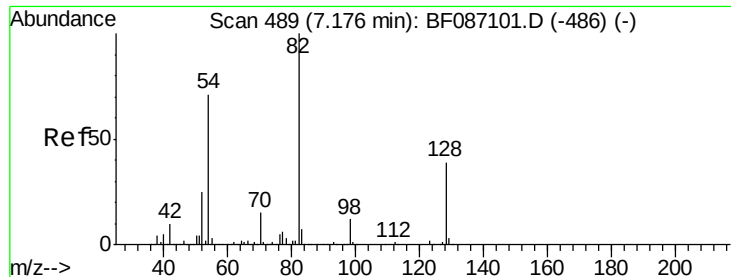
Abundance Ion 105.00 (104.70 to 105.70): E

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

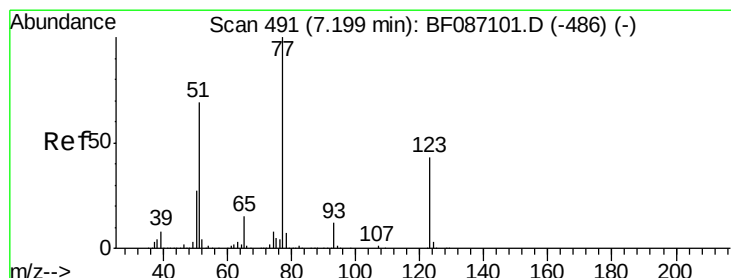
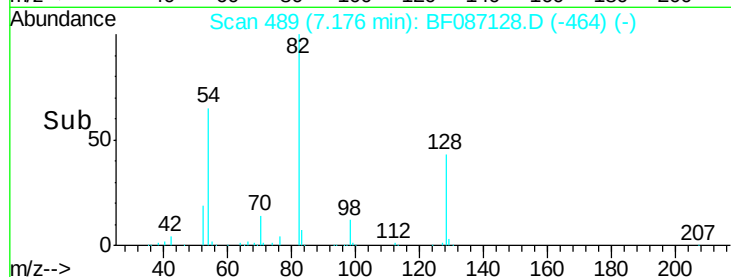
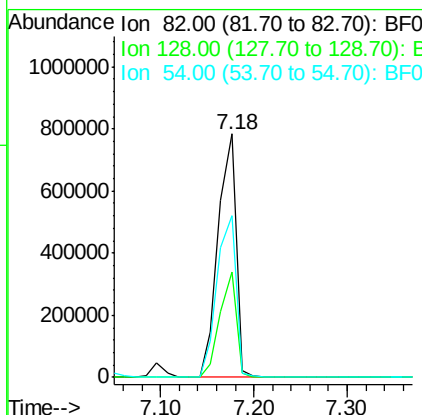
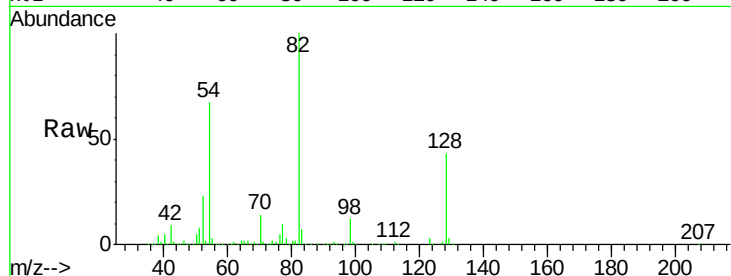




#23
 Nitrobenzene-d5
 Concen: 96.26 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

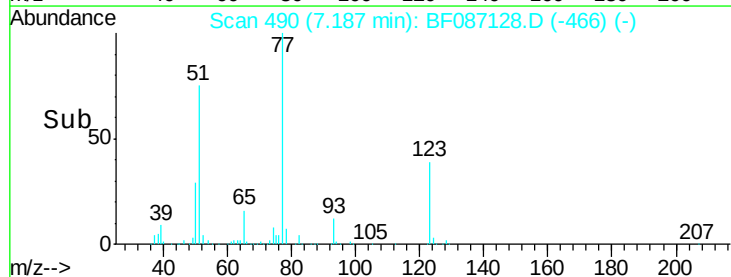
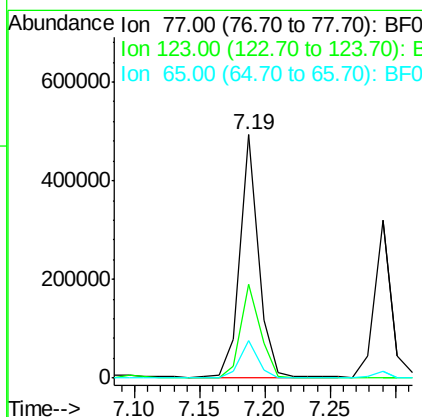
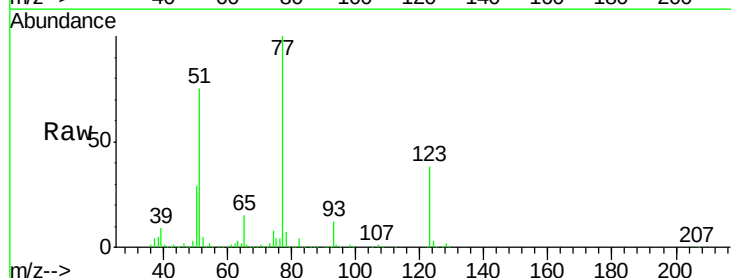
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

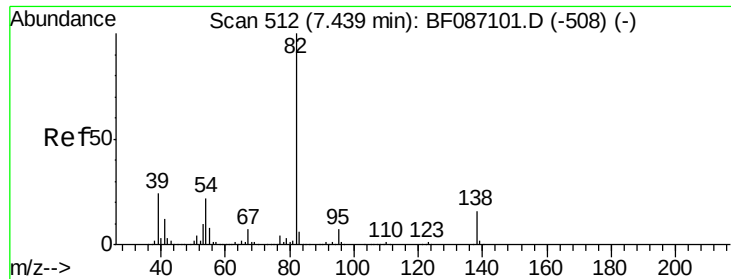
Tgt Ion: 82 Resp: 1055142
 Ion Ratio Lower Upper
 82 100
 128 43.0 40.6 61.0
 54 66.6 38.1 57.1#



#24
 Nitrobenzene
 Concen: 40.18 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion: 77 Resp: 480905
 Ion Ratio Lower Upper
 77 100
 123 38.4 33.0 49.4
 65 15.5 10.8 16.2





#25

Isophorone

Concen: 44.70 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

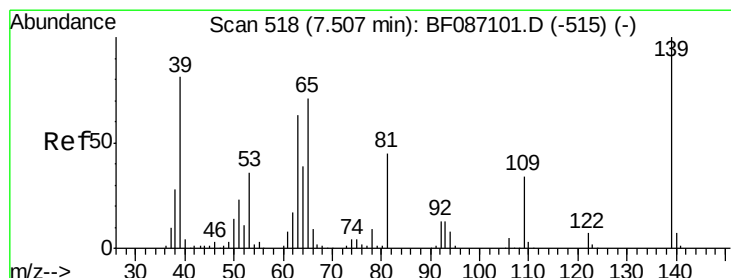
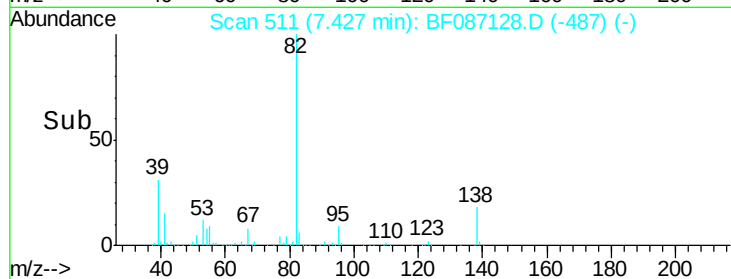
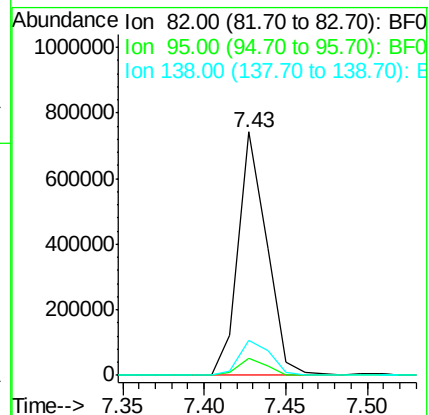
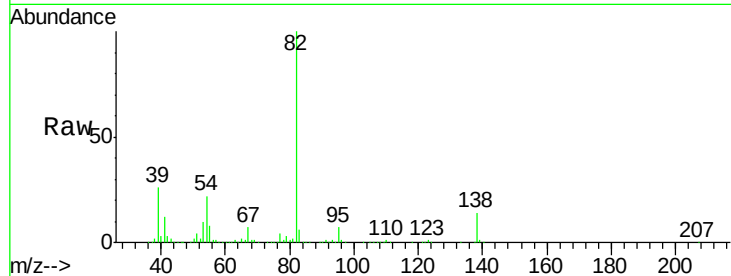
Tgt Ion: 82 Resp: 896930

Ion Ratio Lower Upper

82 100

95 7.0 5.1 7.7

138 14.3 12.4 18.6



#26

2-Nitrophenol

Concen: 47.65 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

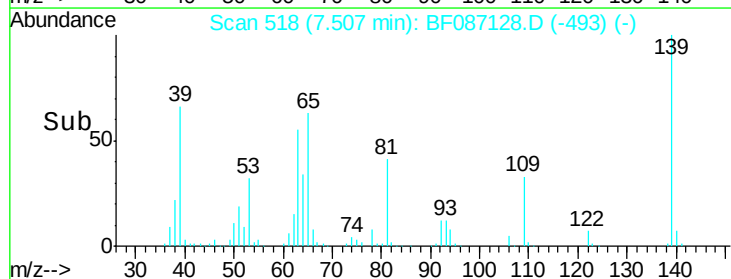
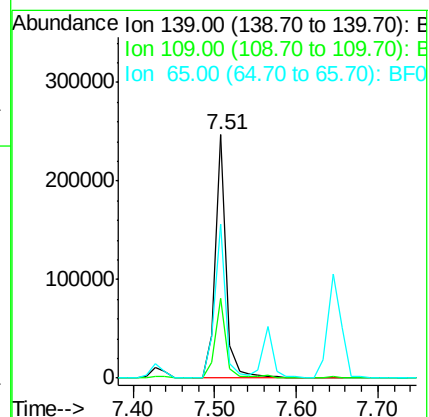
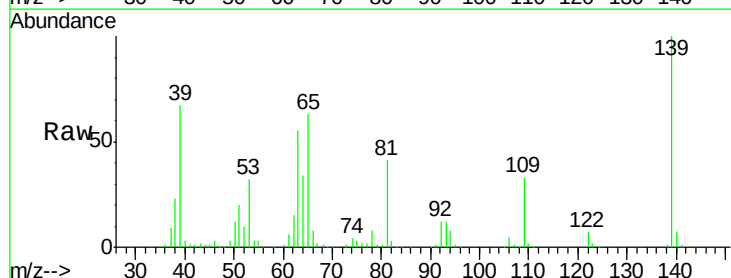
Tgt Ion: 139 Resp: 236246

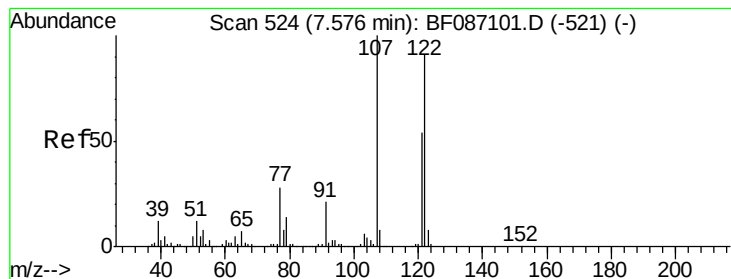
Ion Ratio Lower Upper

139 100

109 32.8 19.5 29.3#

65 63.3 37.5 56.3#

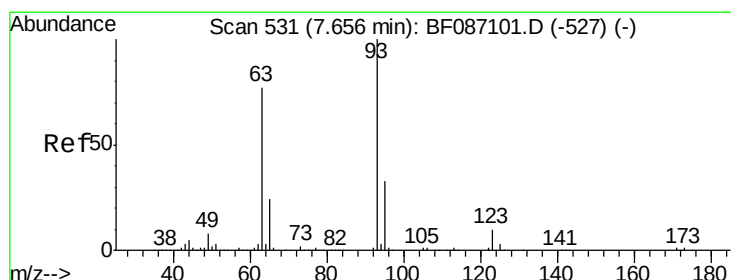
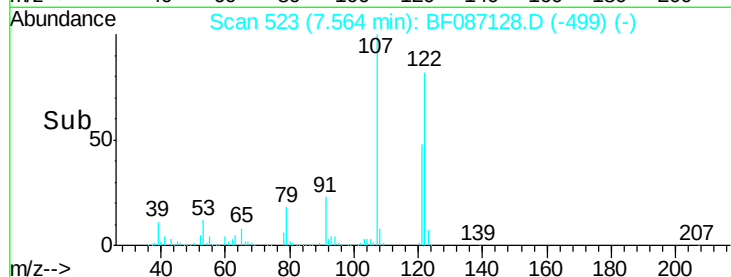
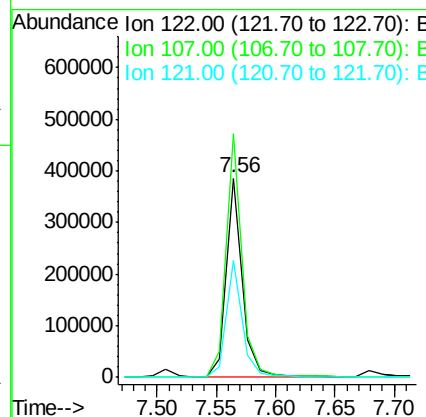
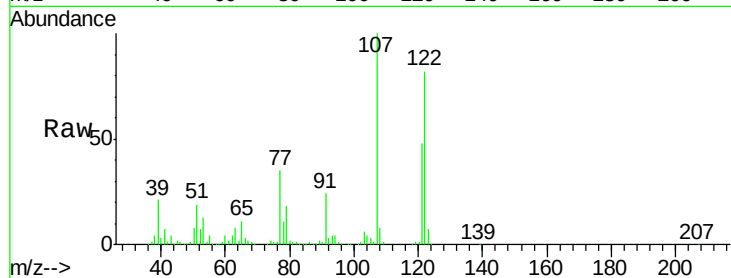




#27
 2,4-Dimethylphenol
 Concen: 42.31 ng
 RT: 7.56 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

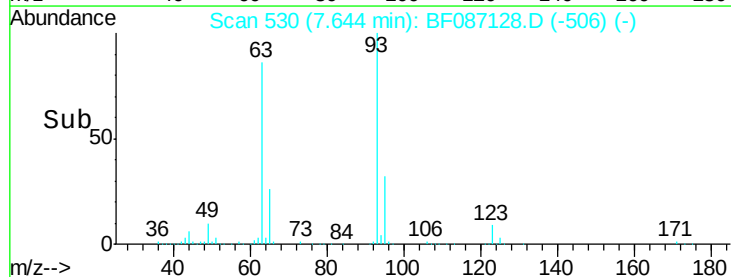
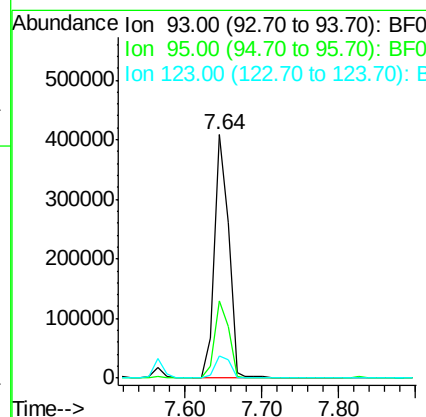
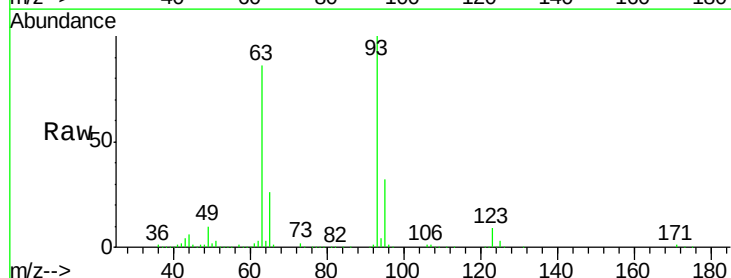
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

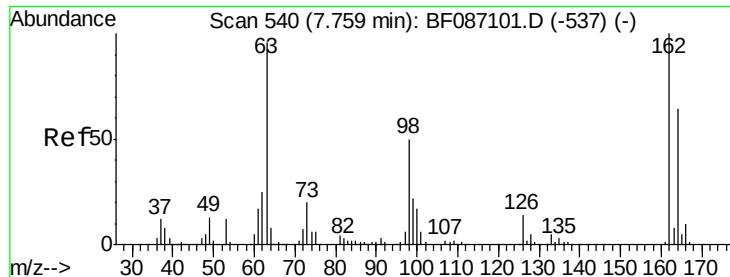
Tgt Ion:122 Resp: 357972
 Ion Ratio Lower Upper
 122 100
 107 122.3 82.0 123.0
 121 58.7 46.1 69.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.30 ng
 RT: 7.64 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion: 93 Resp: 521034
 Ion Ratio Lower Upper
 93 100
 95 31.8 26.0 39.0
 123 8.9 9.5 14.3#

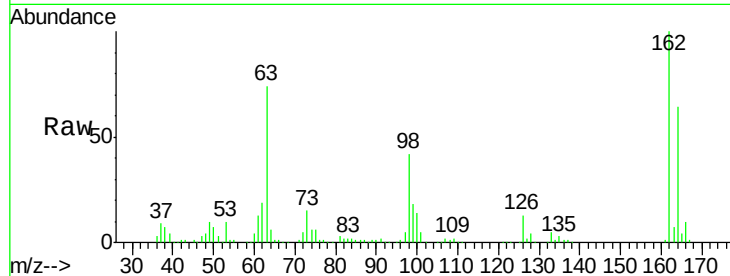




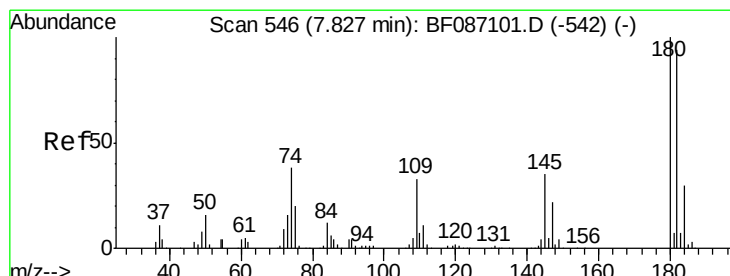
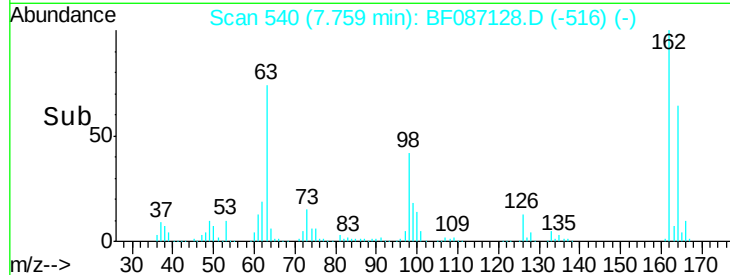
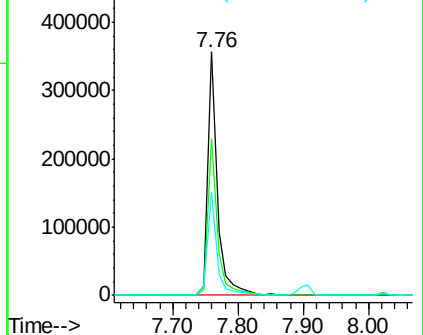
#29
 2,4-Dichlorophenol
 Concen: 49.31 ng
 RT: 7.76 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.5	42.2	82.2
98	42.2	19.0	59.0

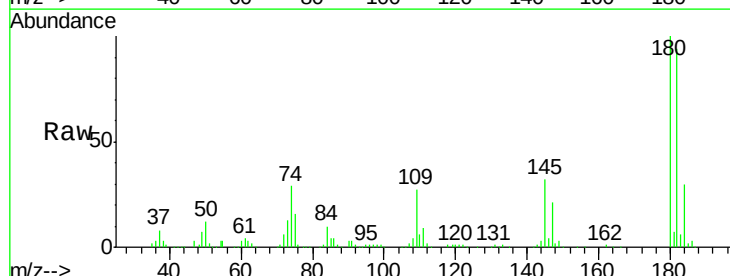


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

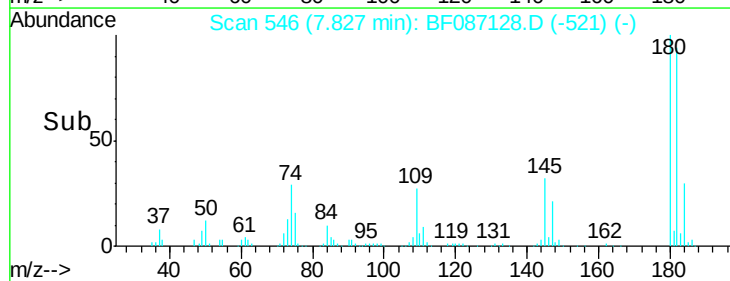
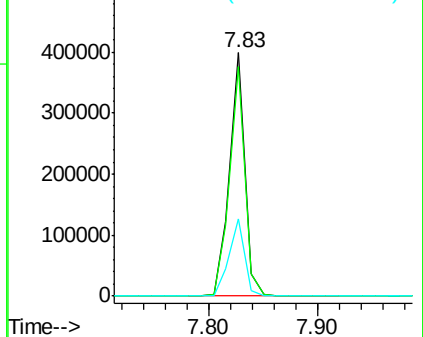


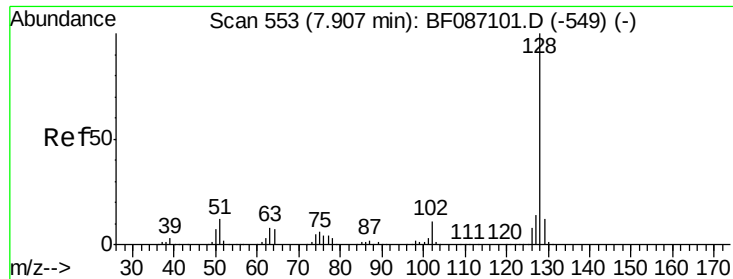
#30
 1,2,4-Trichlorobenzene
 Concen: 46.91 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	78.0	117.0
145	31.9	24.2	36.2



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: 47.81 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

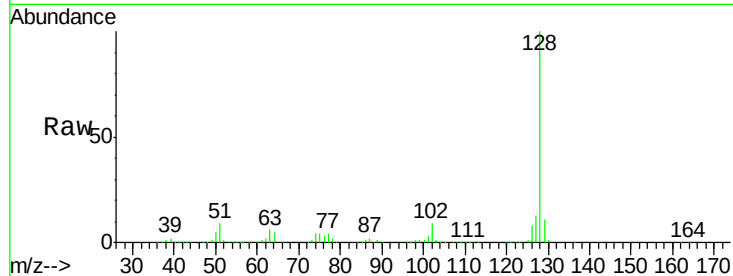
Tgt Ion:128 Resp: 1276289

Ion Ratio Lower Upper

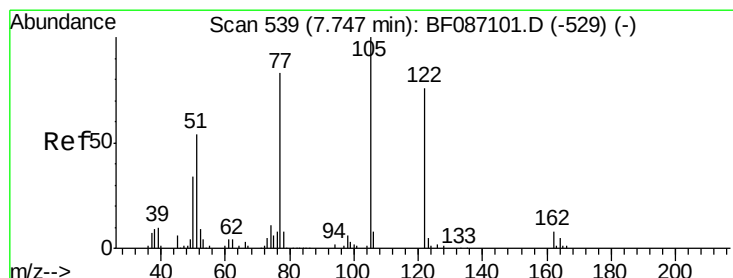
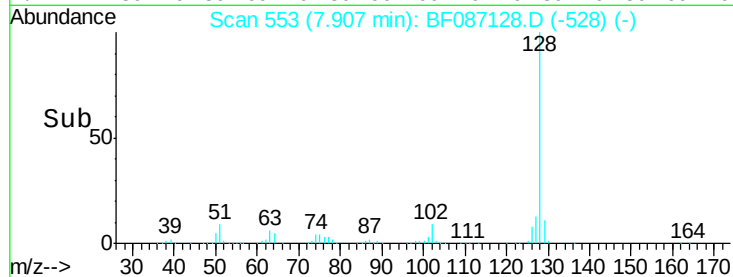
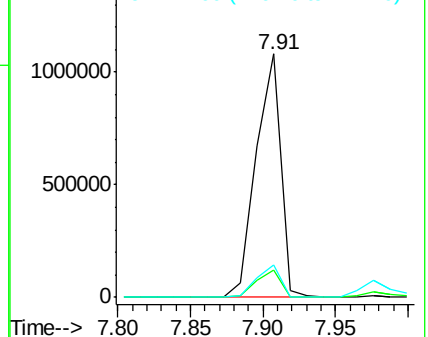
128 100

129 11.1 8.6 13.0

127 13.5 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: 3.67 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.07 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

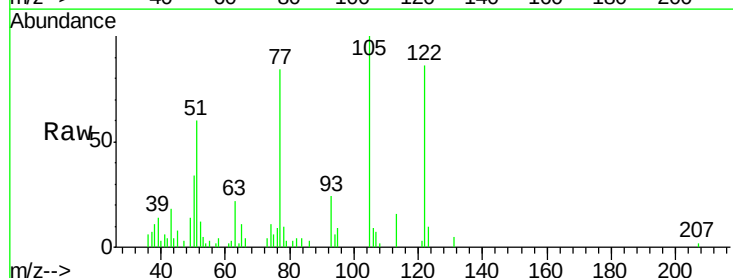
Tgt Ion:122 Resp: 18488

Ion Ratio Lower Upper

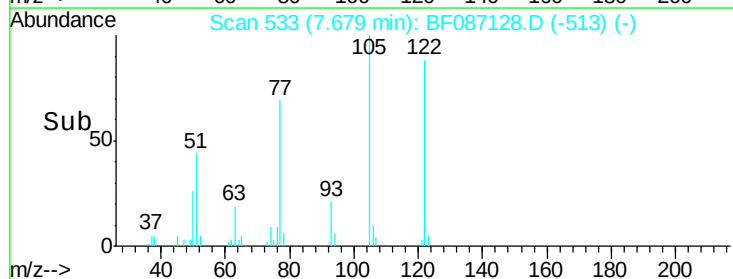
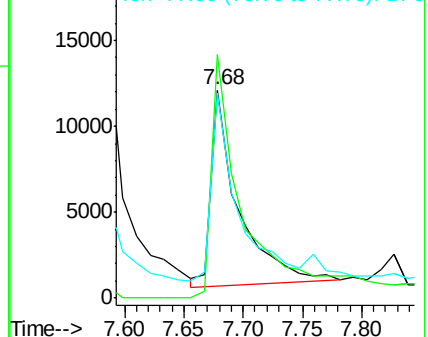
122 100

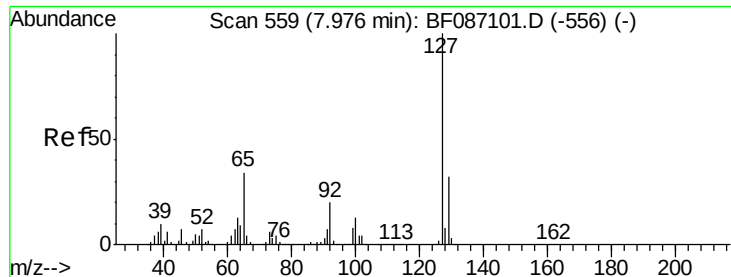
105 116.8 92.6 132.6

77 98.3 60.0 100.0



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

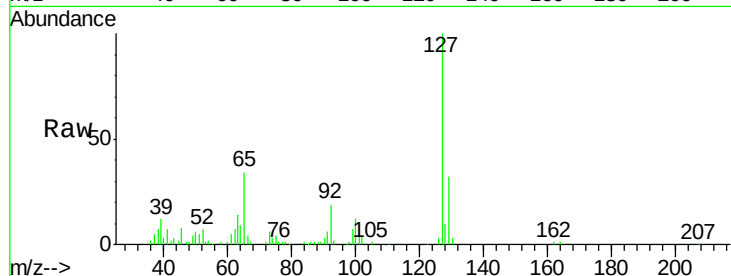




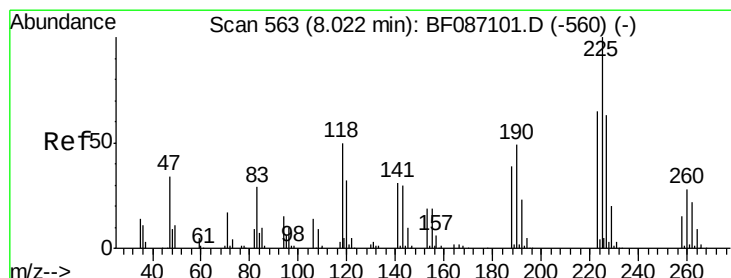
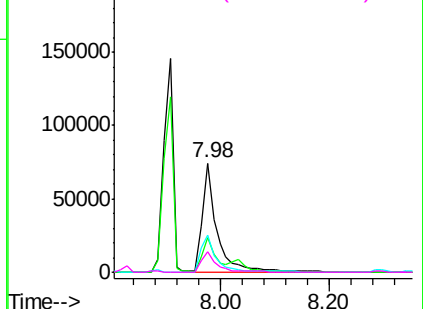
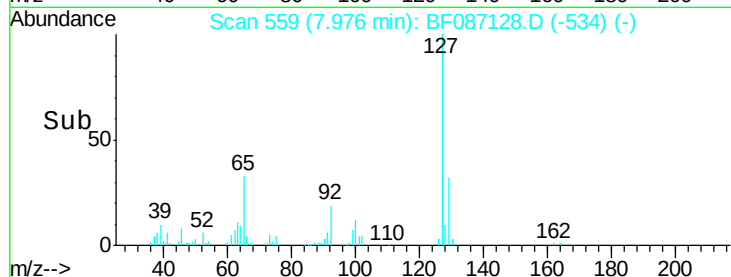
#33
 4-Chloroaniline
 Concen: 12.22 ng
 RT: 7.98 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

Tgt Ion:	127	Resp:	135628
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.2	39.4
65	33.9	23.0	34.4
92	19.4	15.1	22.7

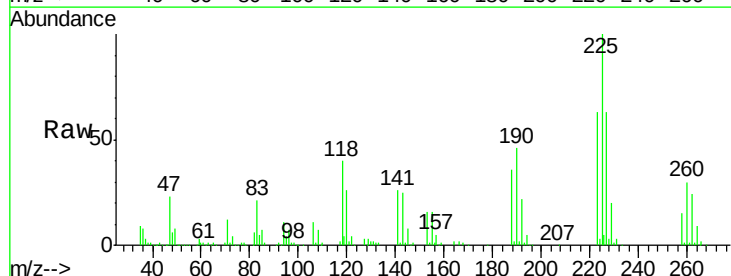


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

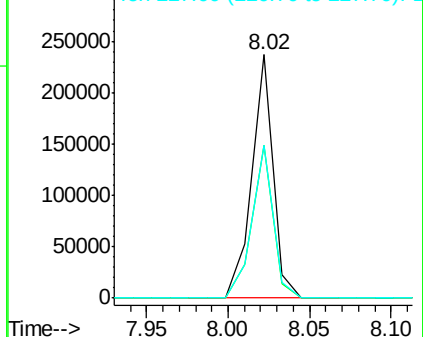
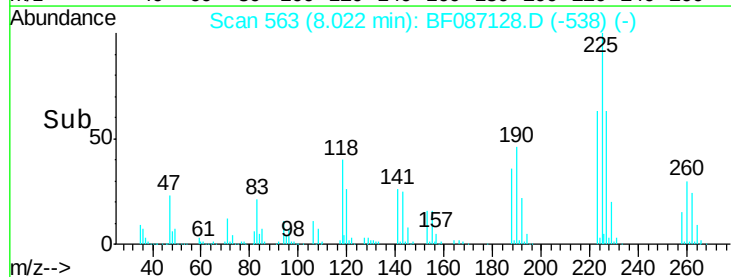


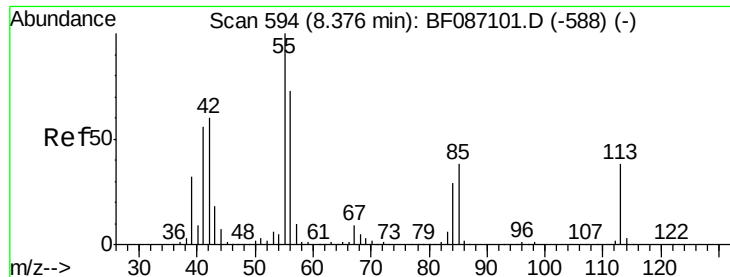
#34
 Hexachlorobutadiene
 Concen: 45.75 ng
 RT: 8.02 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion:	225	Resp:	214796
Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.5	77.3
227	62.7	52.2	78.2



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

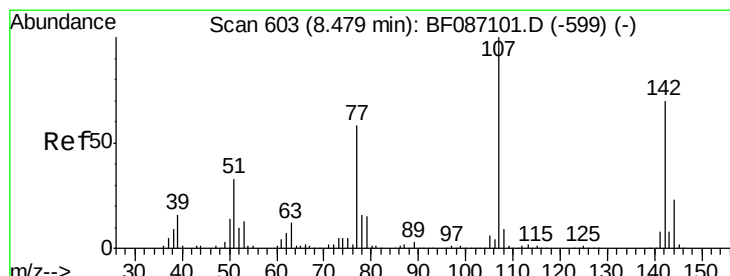
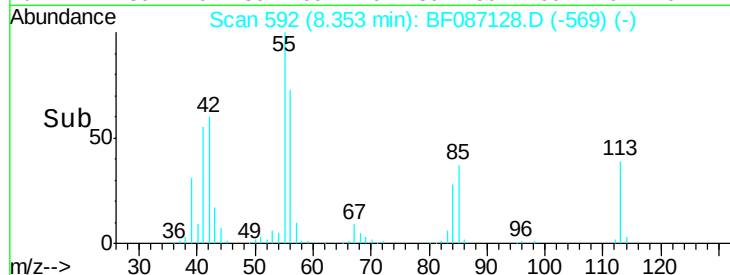
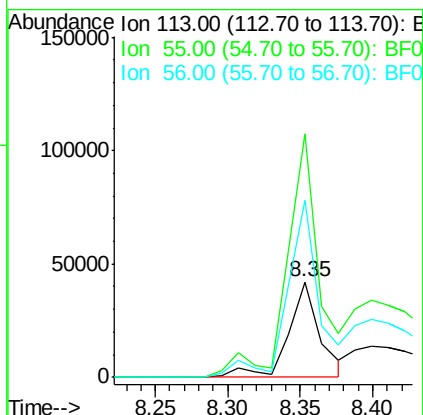
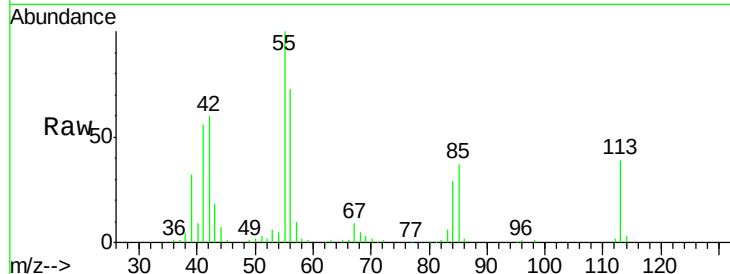




#35
 Caprolactam
 Concen: 25.55 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

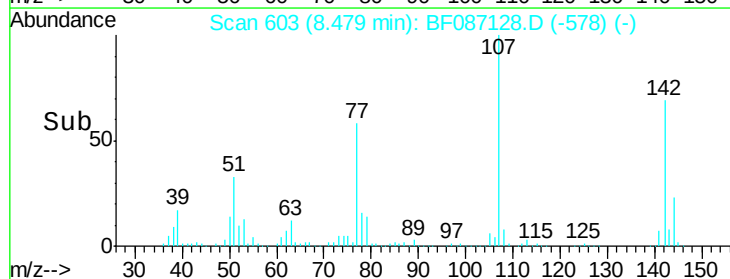
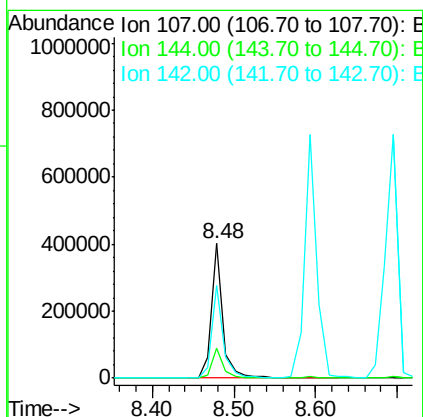
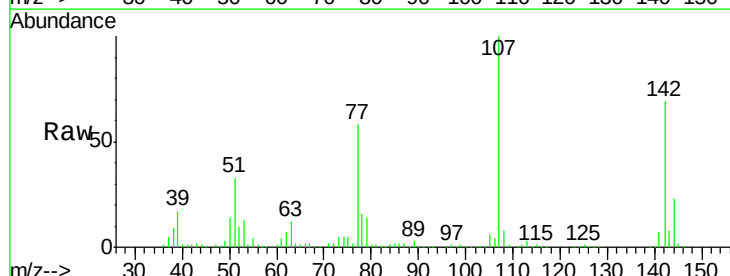
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

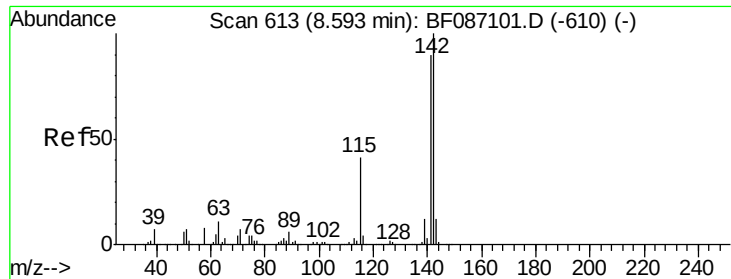
Tgt Ion:113 Resp: 63425
 Ion Ratio Lower Upper
 113 100
 55 255.4 162.0 202.0#
 56 185.3 115.3 155.3#



#36
 4-Chloro-3-methylphenol
 Concen: 44.38 ng
 RT: 8.48 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion:107 Resp: 399120
 Ion Ratio Lower Upper
 107 100
 144 22.6 20.7 31.1
 142 69.4 63.2 94.8

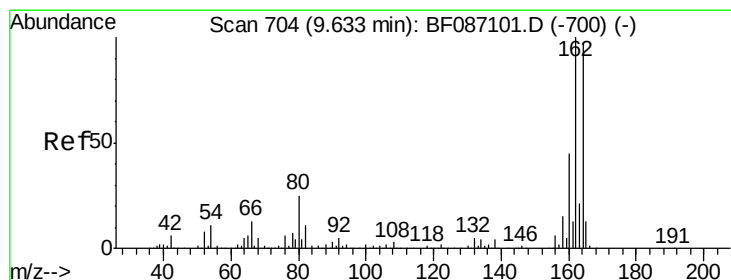
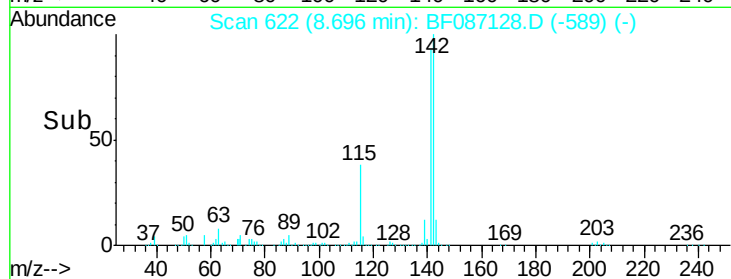
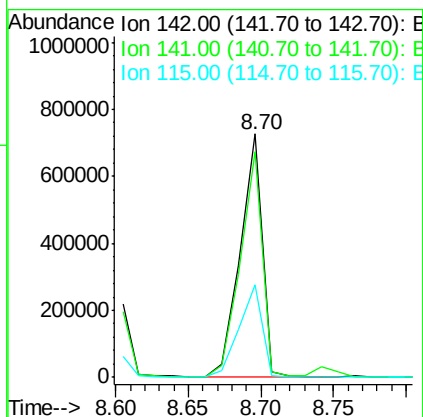
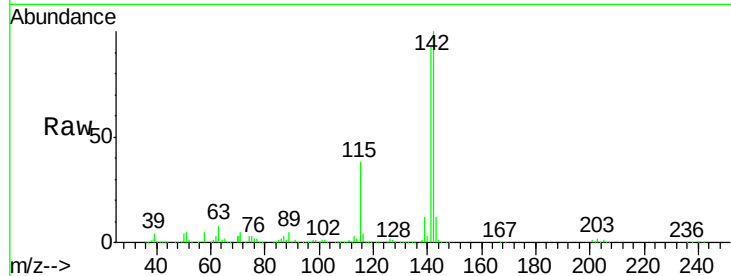




#37
 2-Methylnaphthalene
 Concen: 44.77 ng
 RT: 8.70 min Scan# 622
 Delta R.T. 0.08 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

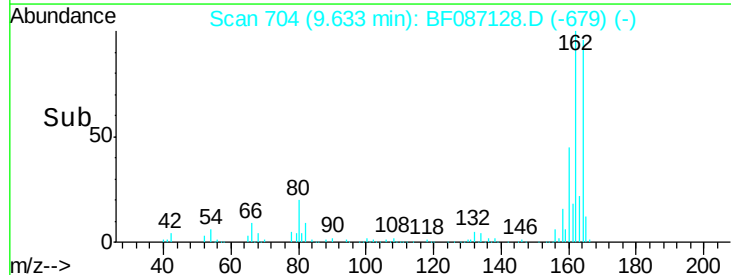
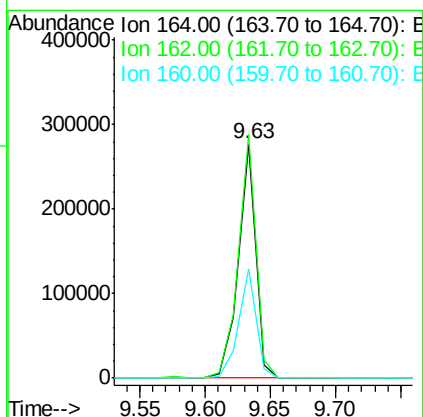
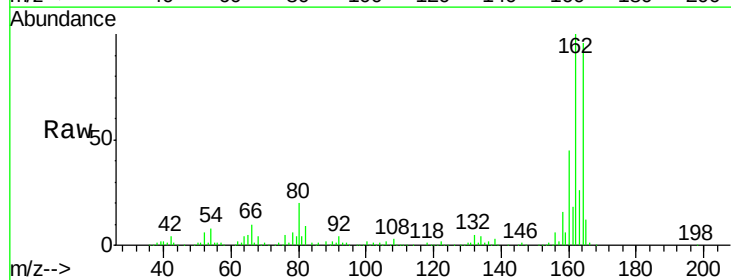
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

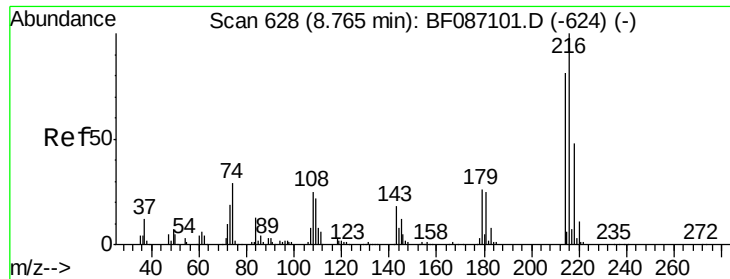
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.0	106.6
115	38.1	26.6	39.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.8	124.2
160	46.7	36.9	55.3

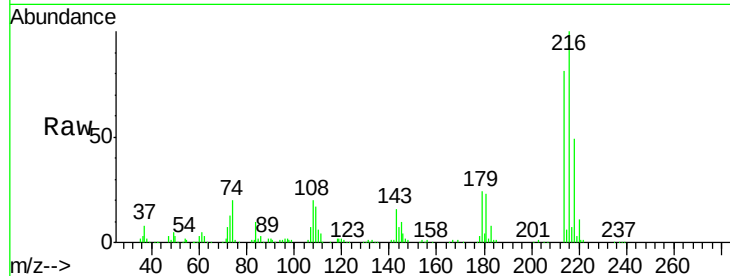




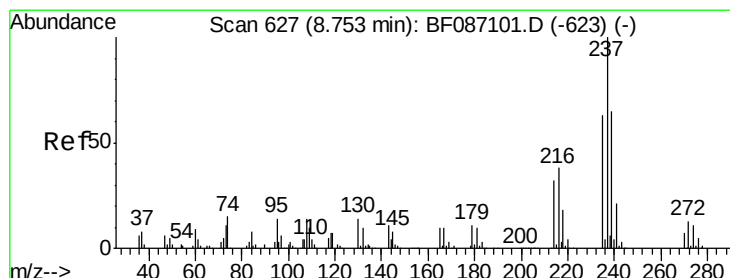
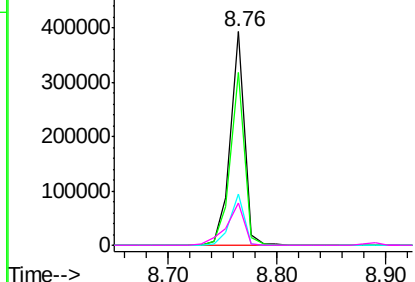
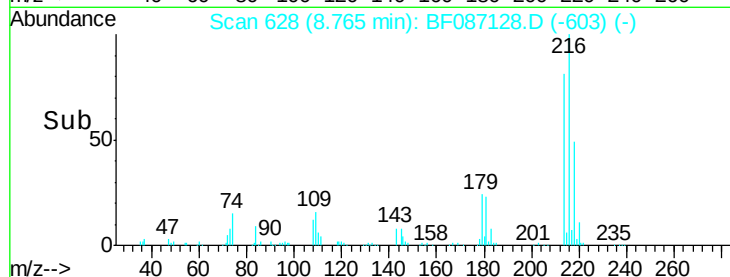
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.40 ng
 RT: 8.76 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

Tgt Ion:	216	Resp:	352514
Ion	Ratio	Lower	Upper
216	100		
214	81.1	62.6	93.8
179	24.3	18.2	27.4
108	24.8	17.5	26.3

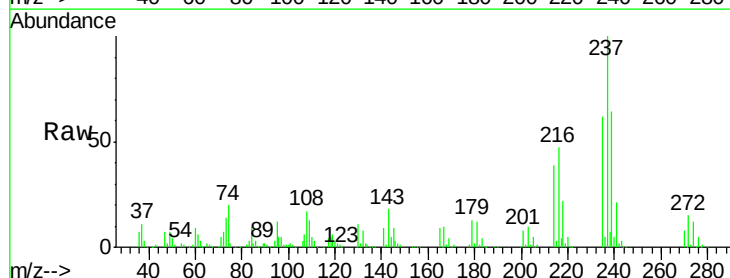


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

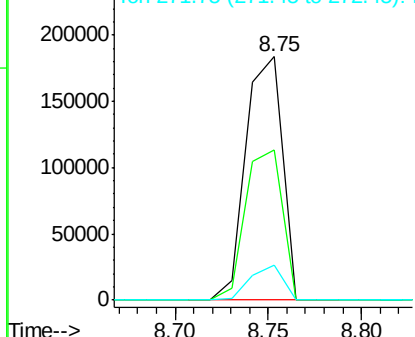
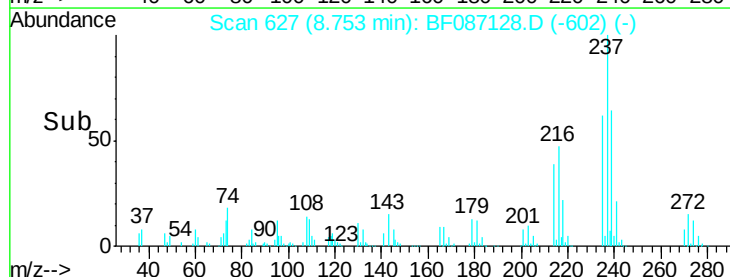


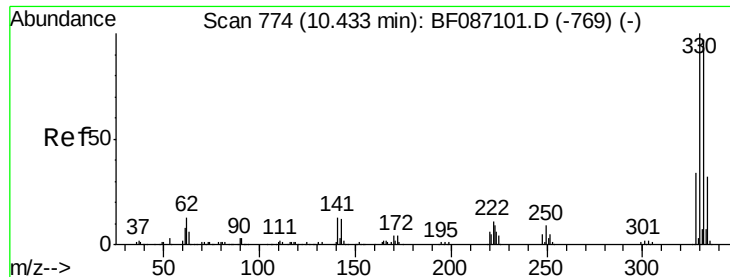
#40
 Hexachlorocyclopentadiene
 Concen: 86.26 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion:	237	Resp:	249697
Ion	Ratio	Lower	Upper
237	100		
235	61.7	47.2	87.2
272	14.5	0.0	31.1



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

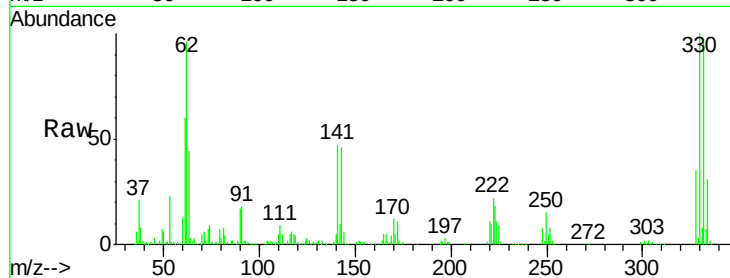




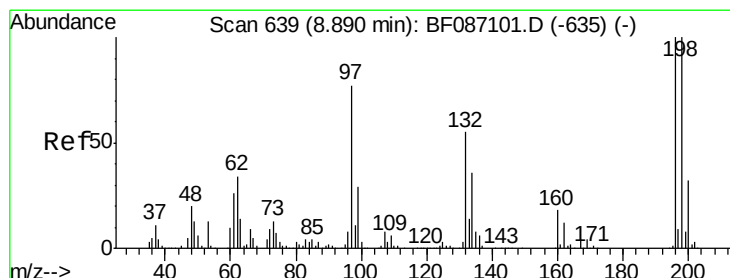
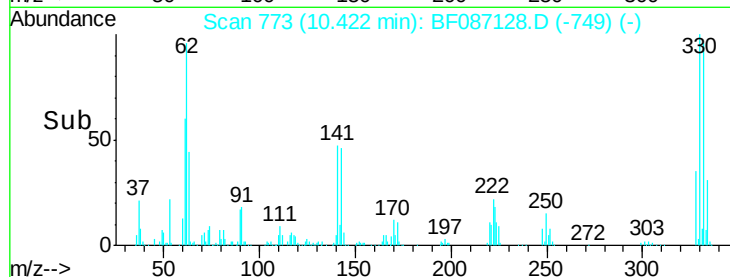
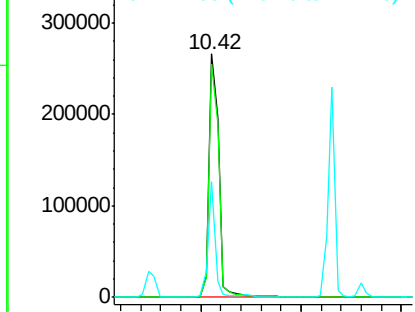
#41
 2,4,6-Tribromophenol
 Concen: 128.92 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	79.0	118.4
141	34.4	31.2	46.8

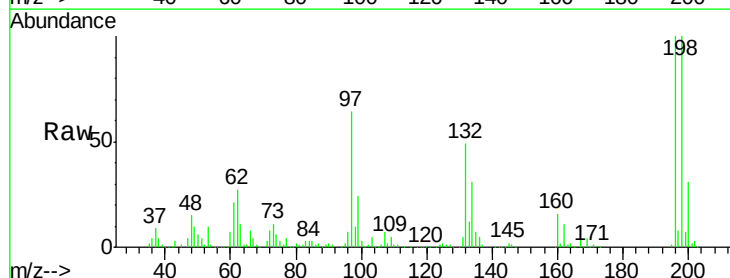


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

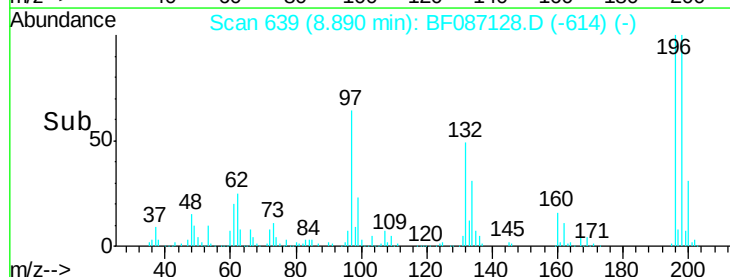
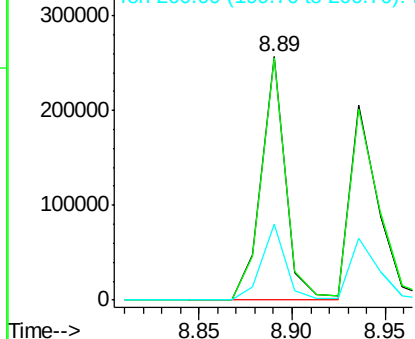


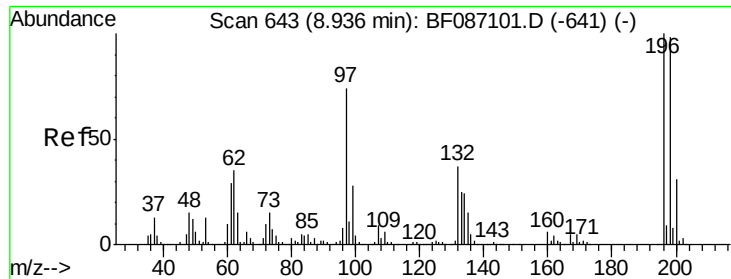
#42
 2,4,6-Trichlorophenol
 Concen: 48.92 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.5	74.7	112.1
200	31.1	23.8	35.6



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

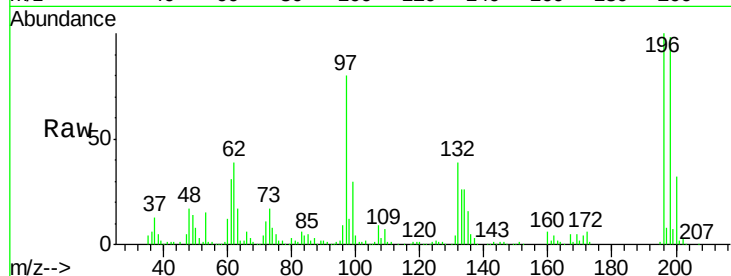




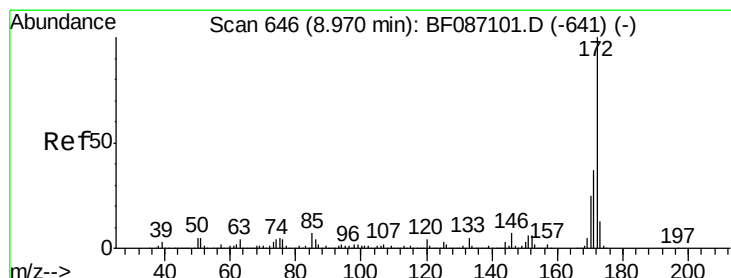
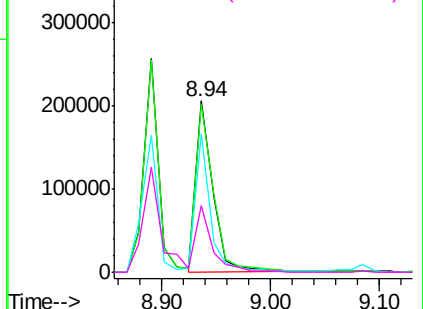
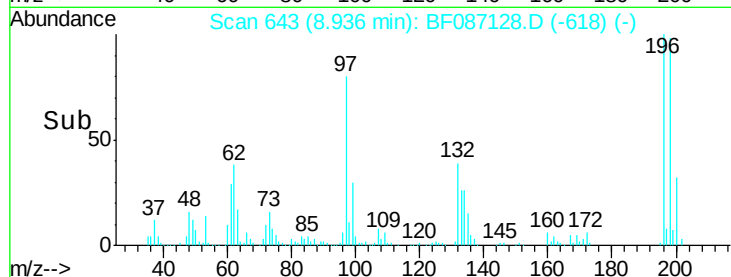
#43
 2,4,5-Trichlorophenol
 Concen: 44.67 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.9	77.5	116.3
97	80.5	34.8	52.2
132	39.1	23.0	34.4

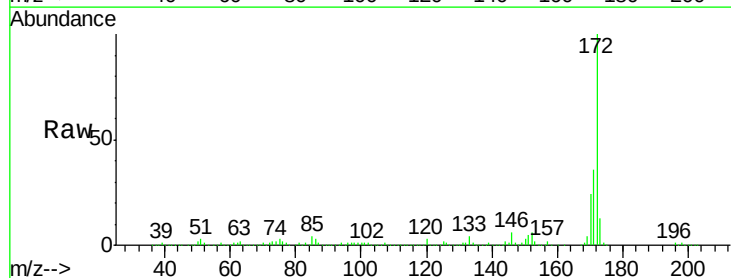


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 97.29 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.2	19.8	29.8



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

