

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082115\
 Data File : BF081150.D
 Acq On : 21 Aug 2015 17:39
 Operator : UM/IZ
 Sample : G3312-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Quant Time: Aug 21 23:28:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 21 23:26:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	58946	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	233089	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	113352	20.00	ng	0.00
63) Phenanthrene-d10	11.05	188	222721	20.00	ng	0.00
75) Chrysene-d12	13.67	240	162705	20.00	ng	0.00
86) Perylene-d12	15.00	264	119926	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	422913	107.91	ng	0.02
7) Phenol-d6	6.21	99	567722	111.03	ng	0.00
23) Nitrobenzene-d5	7.13	82	381252	74.72	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	95765	97.46	ng	0.00
44) 2-Fluorobiphenyl	8.93	172	551756	63.78	ng	0.00
78) Terphenyl-d14	12.63	244	482243	63.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.00	88	49323	26.71	ng	94
3) Pyridine	2.62	79	117852	22.61	ng	# 82
4) n-Nitrosodimethylamine	2.56	42	94993	32.73	ng	86
6) Aniline	6.22	93	171425	23.06	ng	# 43
8) 2-Chlorophenol	6.34	128	151938	35.42	ng	83
9) Benzaldehyde	6.09	77	70756	21.46	ng	99
10) Phenol	6.23	94	195220	32.33	ng	# 72
11) bis(2-Chloroethyl)ether	6.31	93	164247	35.45	ng	95
12) 1,3-Dichlorobenzene	6.49	146	142245	30.86	ng	# 90
13) 1,4-Dichlorobenzene	6.57	146	145073	31.79	ng	95
14) 1,2-Dichlorobenzene	6.57	146	145073	33.96	ng	96
15) Benzyl Alcohol	6.71	79	135068	32.65	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.86	45	319541	35.09	ng	98
17) 2-Methylphenol	6.84	107	127723	34.70	ng	95
18) Hexachloroethane	7.06	117	53605	29.07	ng	92
19) n-Nitroso-di-n-propylamine	6.98	70	121315	34.25	ng	96
20) 3+4-Methylphenols	7.00	107	167457	35.85	ng	# 43
22) Acetophenone	6.97	105	225974	36.93	ng	# 90
24) Nitrobenzene	7.14	77	163504	30.65	ng	94
25) Isophorone	7.40	82	332842	34.98	ng	# 95
26) 2-Nitrophenol	7.46	139	75889	34.20	ng	# 85
27) 2,4-Dimethylphenol	7.52	122	136525	34.78	ng	92
28) bis(2-Chloroethoxy)methane	7.61	93	209151	37.21	ng	99
29) 2,4-Dichlorophenol	7.72	162	118075	35.73	ng	96
30) 1,2,4-Trichlorobenzene	7.78	180	123782	33.70	ng	96
31) Naphthalene	7.86	128	418144	32.18	ng	99
32) Benzoic acid	7.52	122	136525	61.84	ng	# 7
33) 4-Chloroaniline	7.92	127	125149	22.83	ng	94
34) Hexachlorobutadiene	7.99	225	70471	33.93	ng	99
35) Caprolactam	8.29	113	31531	27.30	ng	# 85
36) 4-Chloro-3-methylphenol	8.41	107	137653	34.95	ng	99
37) 2-Methylnaphthalene	8.55	142	278056	33.88	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	120725	33.01	ng	98
40) Hexachlorocyclopentadiene	8.71	237	55285	29.21	ng	99

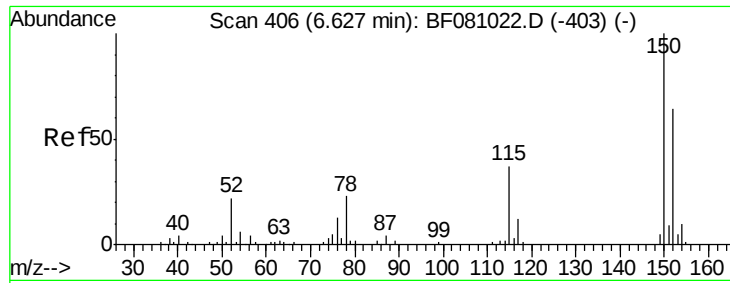
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082115\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	82301	31.85	nq	98
43) 2,4,5-Trichlorophenol	8.88	196	90712	35.13	nq	98
45) 1,1'-Biphenyl	9.02	154	355199	35.58	nq	97
46) 2-Chloronaphthalene	9.04	162	268707	33.50	nq	99
47) 2-Nitroaniline	9.14	65	120796	36.80	nq	# 70
48) Acenaphthylene	9.45	152	446920	31.15	nq	99
49) Dimethylphthalate	9.33	163	352750	37.79	nq	99
50) 2,6-Dinitrotoluene	9.38	165	60889	30.38	nq	# 66
51) Acenaphthene	9.62	154	260296	30.30	nq	99
52) 3-Nitroaniline	9.54	138	60180	23.99	nq	99
53) 2,4-Dinitrophenol	9.66	184	12285	15.33	nq	# 62
54) Dibenzofuran	9.78	168	365104	31.72	nq	92
55) 4-Nitrophenol	9.73	139	113449	64.40	nq	# 82
56) 2,4-Dinitrotoluene	9.78	165	83015	31.25	nq	# 65
57) Fluorene	10.13	166	274123	30.96	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.88	232	66763	33.41	nq	93
59) Diethylphthalate	10.02	149	323104	32.70	nq	98
60) 4-Chlorophenyl-phenylether	10.13	204	120359	32.12	nq	96
61) 4-Nitroaniline	10.16	138	84650	33.02	nq	90
62) Azobenzene	10.29	77	395150	34.71	nq	96
64) 4,6-Dinitro-2-methylphenol	10.18	198	16935	12.73	nq	91
65) n-Nitrosodiphenylamine	10.25	169	280315	35.26	nq	99
66) 4-Bromophenyl-phenylether	10.62	248	69871	31.93	nq	96
67) Hexachlorobenzene	10.68	284	79320	35.80	nq	# 89
68) Atrazine	10.78	200	77508	34.99	nq	98
69) Pentachlorophenol	10.87	266	86207	64.84	nq	98
70) Phenanthrene	11.08	178	387680	29.37	nq	99
71) Anthracene	11.13	178	443894	34.56	nq	99
72) Carbazole	11.29	167	450340	36.42	nq	100
73) Di-n-butylphthalate	11.64	149	528771	35.34	nq	99
74) Fluoranthene	12.25	202	453106	31.81	nq	94
76) Benzidine	12.39	184	157373	25.60	nq	98
77) Pyrene	12.48	202	486986	36.82	nq	99
79) Butylbenzylphthalate	13.11	149	211863	37.26	nq	# 60
80) Benzo(a)anthracene	13.66	228	333926	30.60	nq	100
81) 3,3'-Dichlorobenzidine	13.64	252	119154	33.71	nq	# 94
82) Chrysene	13.69	228	270029	27.46	nq	99
83) Bis(2-ethylhexyl)phthalate	13.68	149	296982	40.78	nq	100
84) Di-n-octyl phthalate	14.29	149	485333	43.85	nq	# 99
85) Indeno(1,2,3-cd)pyrene	16.19	276	246609	35.72	nq	# 94
87) Benzo(b)fluoranthene	14.68	252	556267	65.58	nq	98
88) Benzo(k)fluoranthene	14.68	252	556267	70.38	nq	# 95
89) Benzo(a)pyrene	14.95	252	262634	35.53	nq	98
90) Dibenzo(a,h)anthracene	16.20	278	211231	36.68	nq	# 95
91) Benzo(g,h,i)perylene	16.54	276	195881	33.52	nq	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

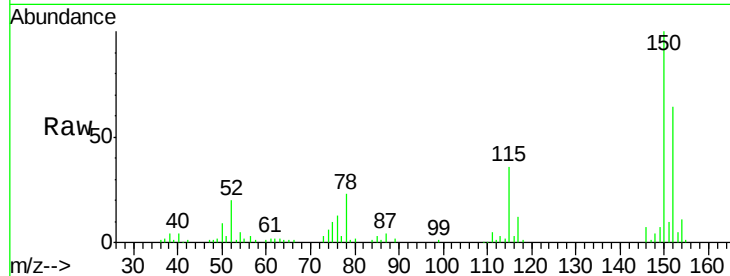
Tot Ion:152 Resp: 58946

Ion Ratio Lower Upper

152 100

150 155.2 123.8 185.6

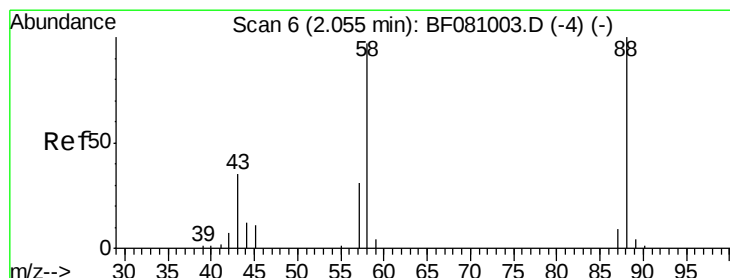
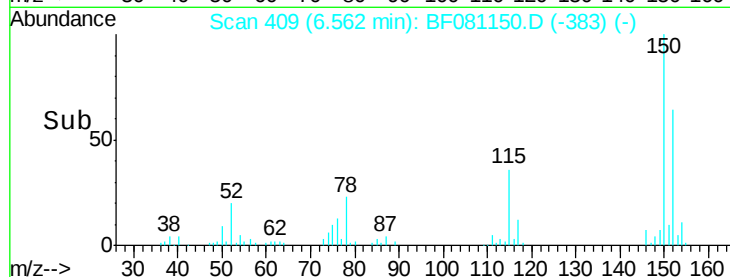
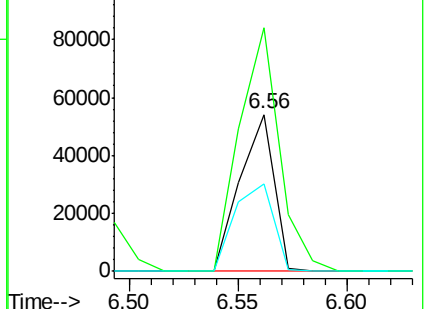
115 55.7 52.1 78.1



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: 26.71 ng

RT: 2.00 min Scan# 10

Delta R.T. 0.06 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

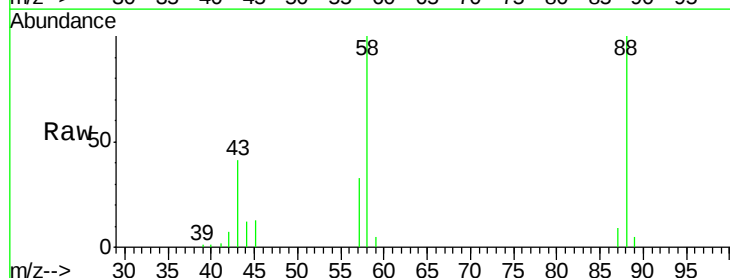
Tgt Ion: 88 Resp: 49323

Ion Ratio Lower Upper

88 100

58 98.8 83.7 125.5

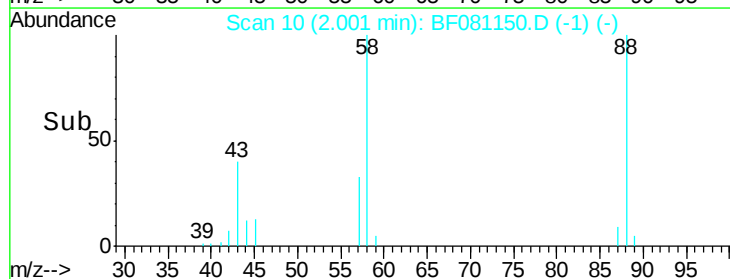
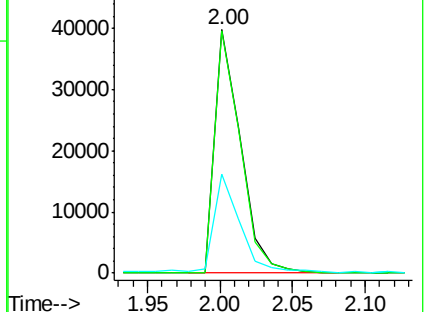
43 42.6 37.5 56.3

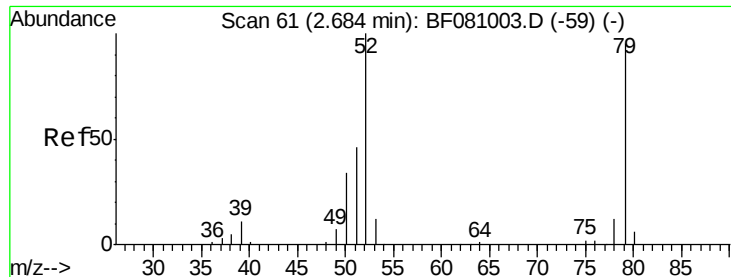


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

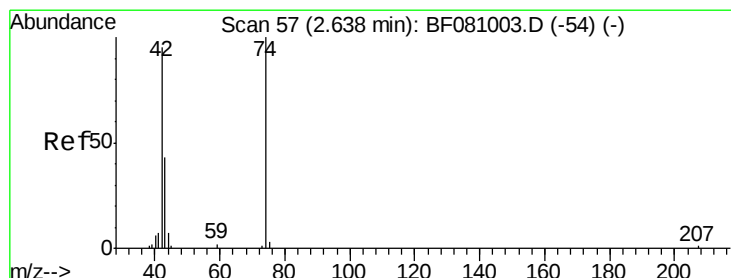
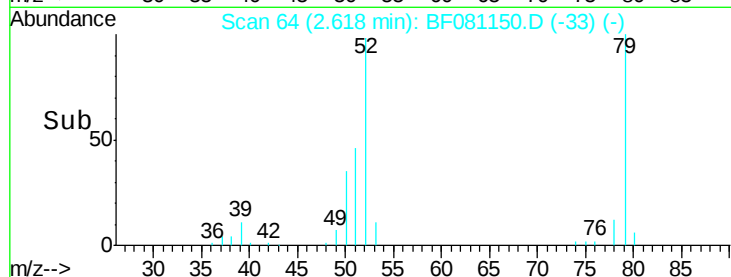
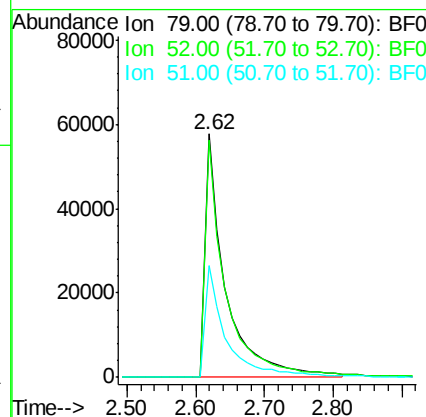
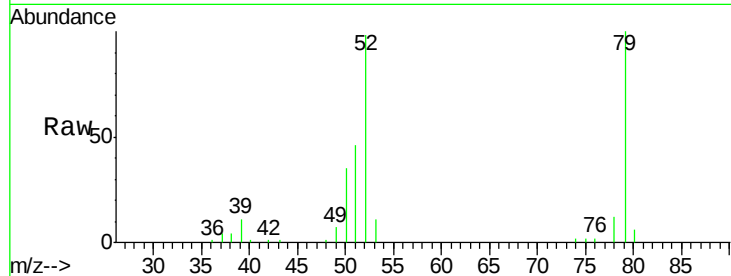




#3
 Pvrindine
 Concen: 22.61 ng
 RT: 2.62 min Scan# 64
 Delta R.T. 0.06 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

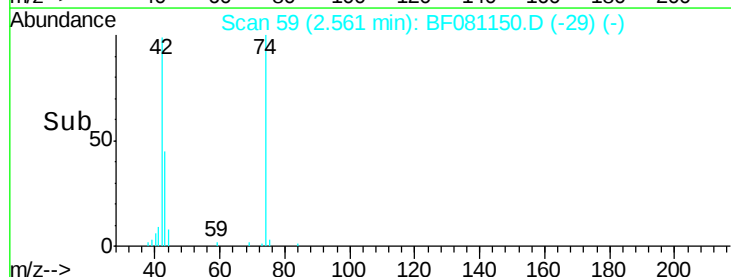
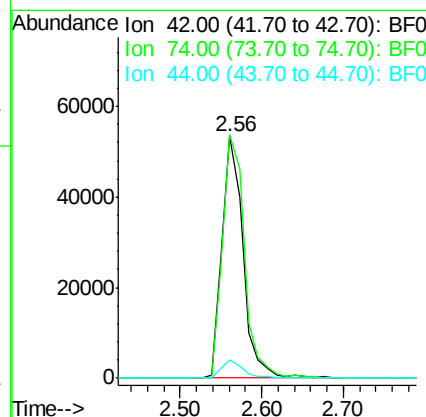
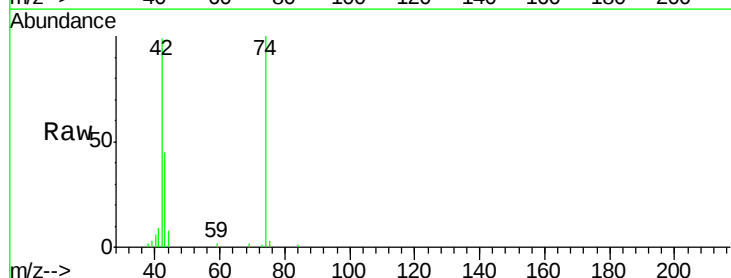
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

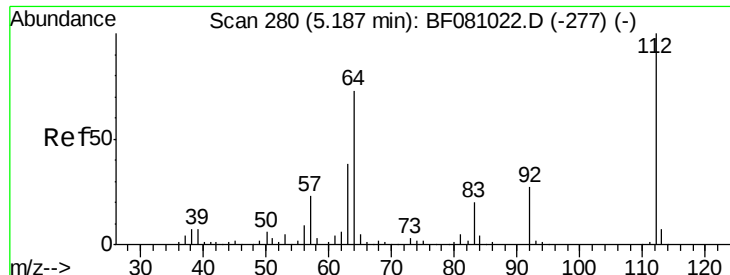
Tot Ion: 79 Resp: 117852
 Ion Ratio Lower Upper
 79 100
 52 97.6 95.1 142.7
 51 45.9 46.6 70.0#



#4
 n-Nitrosodimethylamine
 Concen: 32.73 ng
 RT: 2.56 min Scan# 59
 Delta R.T. 0.05 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion: 42 Resp: 94993
 Ion Ratio Lower Upper
 42 100
 74 100.6 69.3 103.9
 44 7.7 5.5 8.3





#5

2-Fluorophenol

Concen: 107.91 ng

RT: 5.13 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

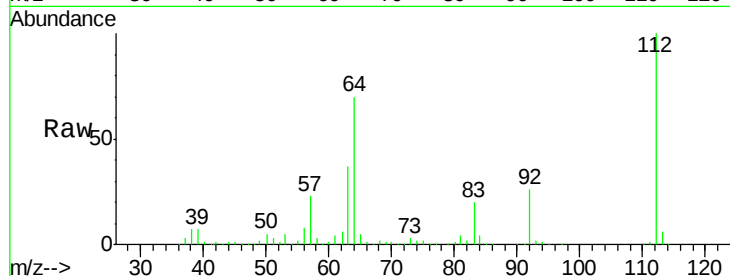
Tot Ion:112 Resp: 422913

Ion Ratio Lower Upper

112 100

64 70.2 66.9 100.3

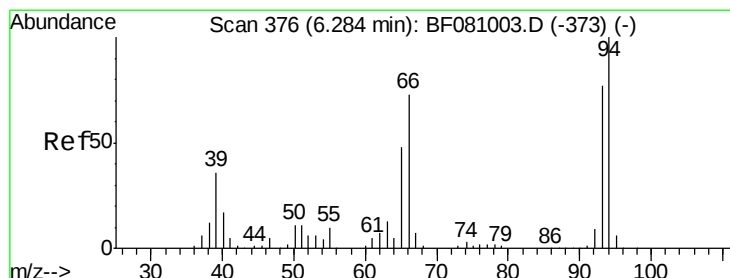
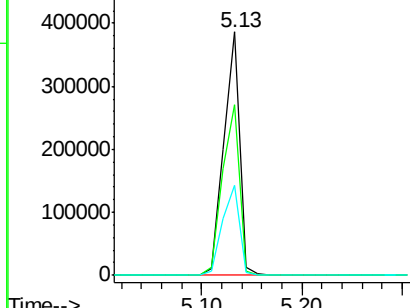
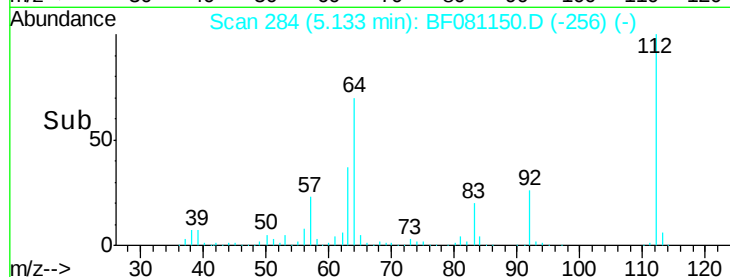
63 36.9 38.1 57.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 23.06 ng

RT: 6.22 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

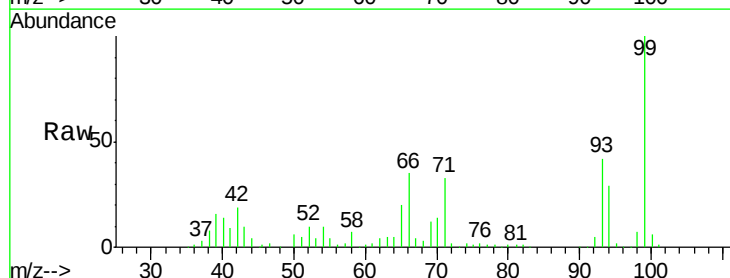
Tgt Ion: 93 Resp: 171425

Ion Ratio Lower Upper

93 100

66 83.4 35.6 53.4#

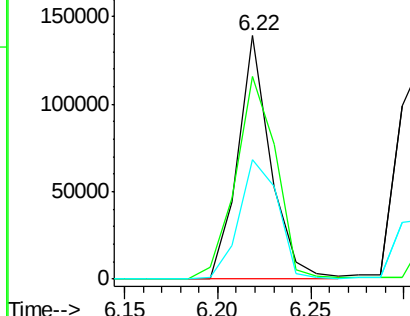
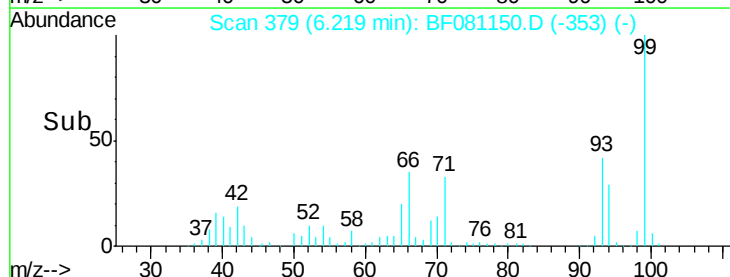
65 48.9 18.7 28.1#



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: 111.03 ng

RT: 6.21 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

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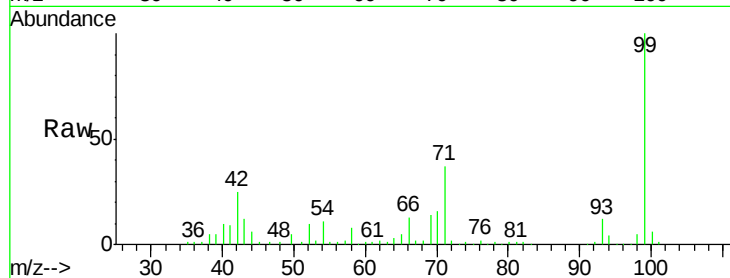
Tot Ion: 99 Resp: 567722

Ion Ratio Lower Upper

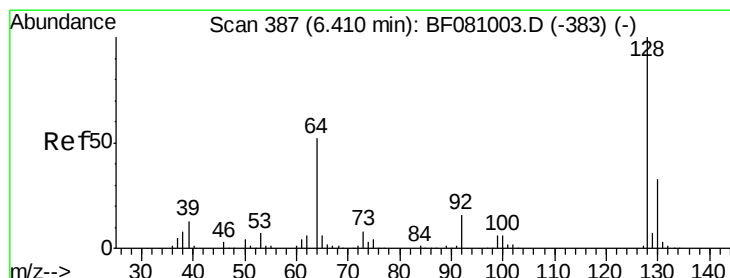
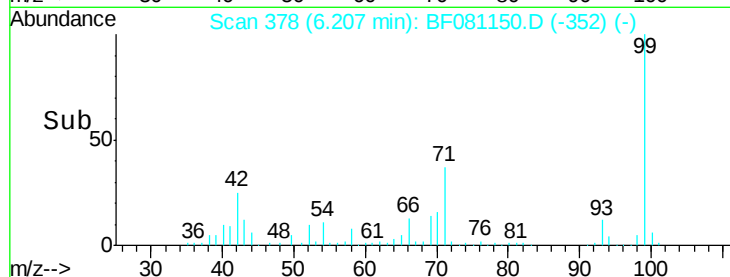
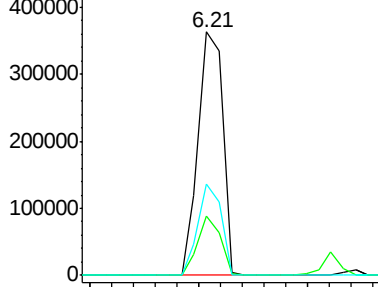
99 100

42 24.6 19.6 29.4

71 37.4 31.2 46.8



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: 35.42 ng

RT: 6.34 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

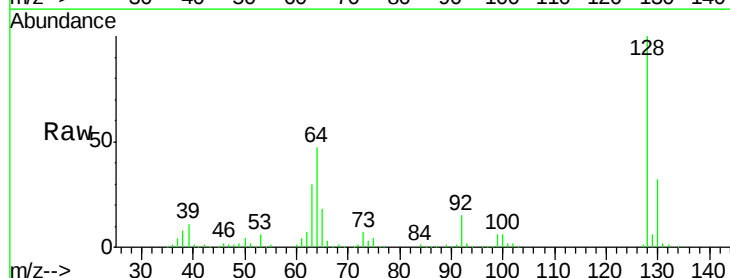
Tgt Ion: 128 Resp: 151938

Ion Ratio Lower Upper

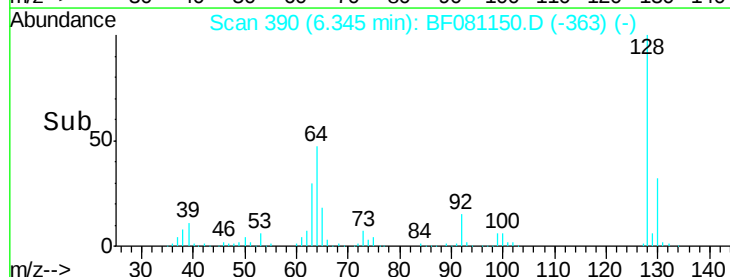
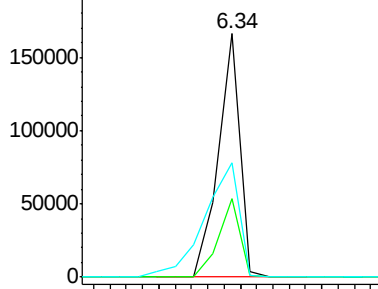
128 100

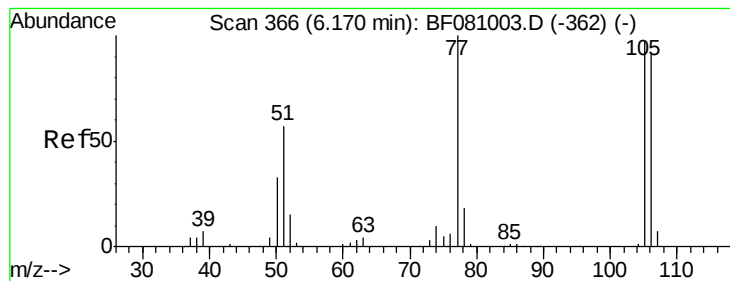
130 32.1 12.5 52.5

64 47.2 46.8 86.8



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: 21.46 ng

RT: 6.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF081150.D

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Instrument :

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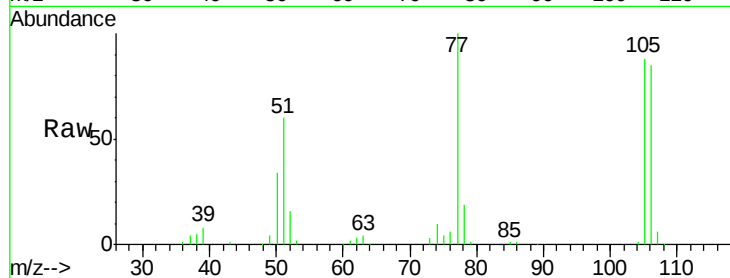
Tot Ion: 77 Resp: 70756

Ion Ratio Lower Upper

77 100

105 88.0 69.6 109.6

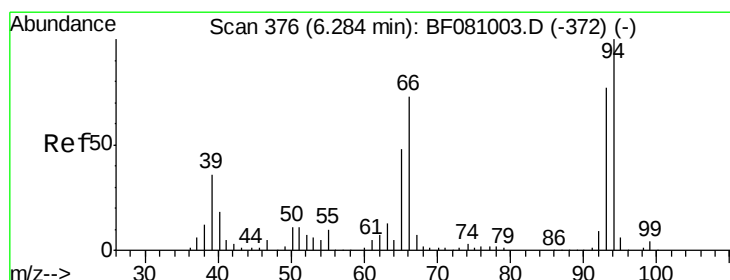
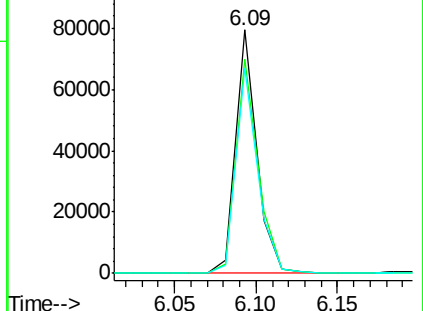
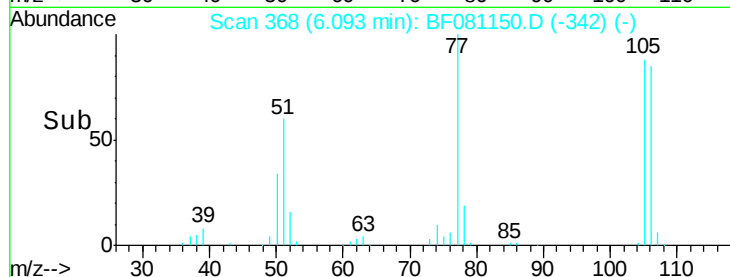
106 84.5 64.0 104.0



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 32.33 ng

RT: 6.23 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

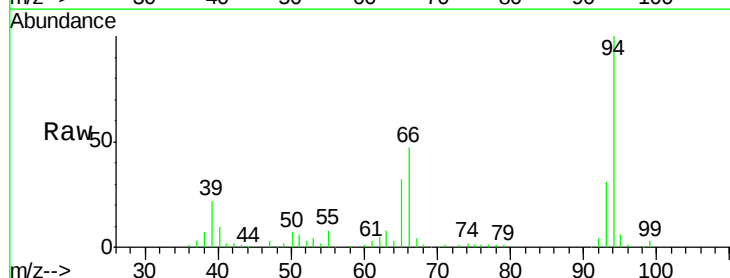
Tgt Ion: 94 Resp: 195220

Ion Ratio Lower Upper

94 100

65 31.7 28.4 68.4

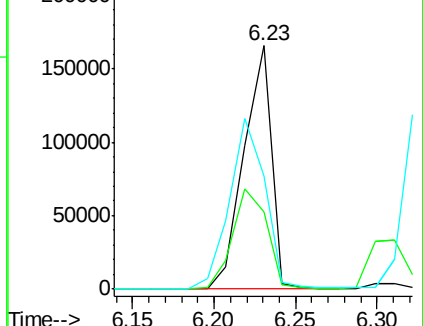
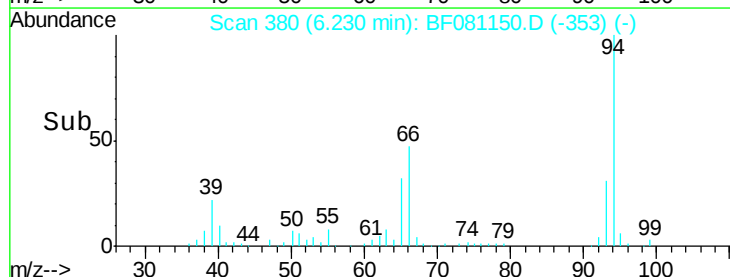
66 46.6 52.3 92.3#

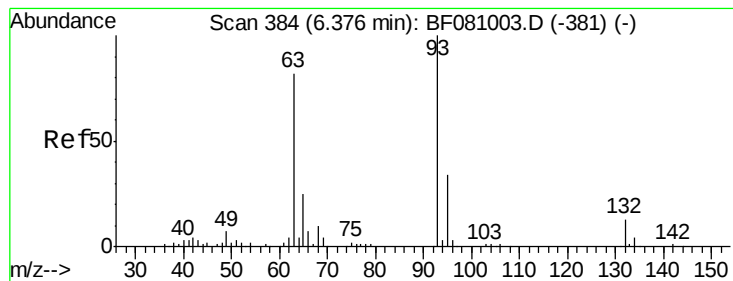


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 35.45 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

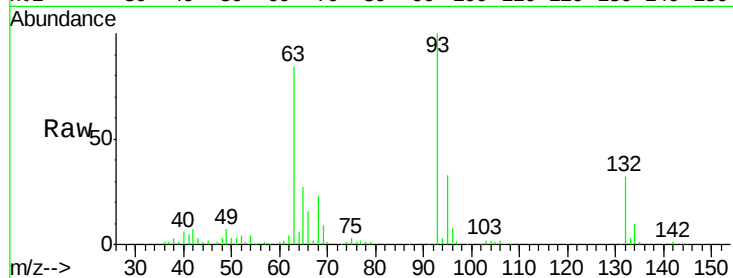
Tot Ion: 93 Resp: 164247

Ion Ratio Lower Upper

93 100

63 84.4 69.6 109.6

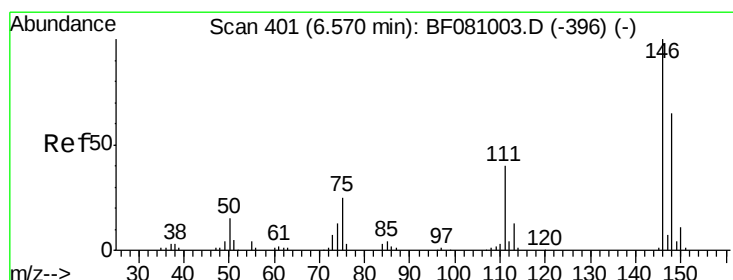
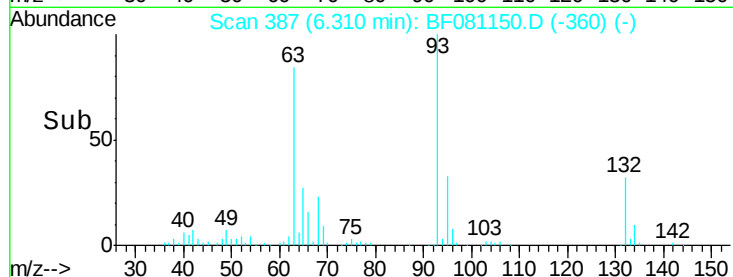
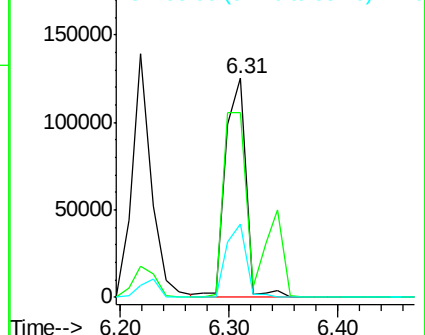
95 33.4 12.3 52.3



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 30.86 ng

RT: 6.49 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

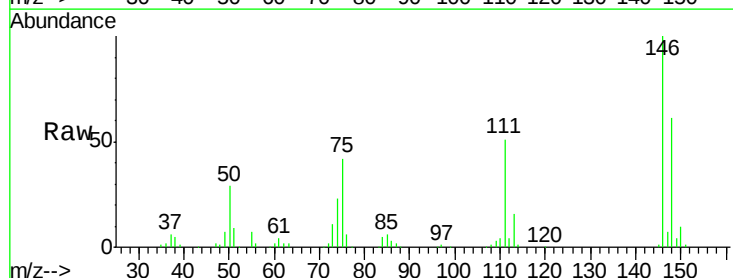
Tgt Ion: 146 Resp: 142245

Ion Ratio Lower Upper

146 100

148 61.5 53.3 79.9

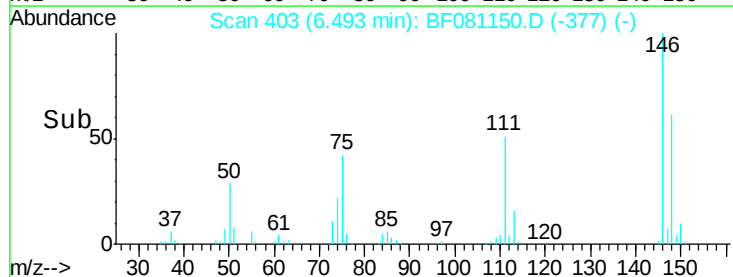
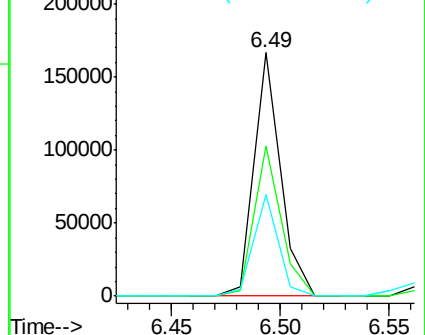
75 41.5 25.0 37.6#

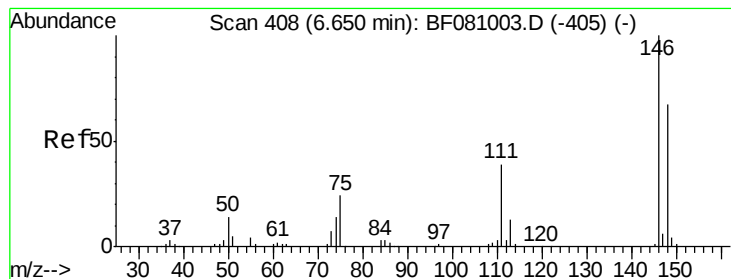


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 31.79 ng

RT: 6.57 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

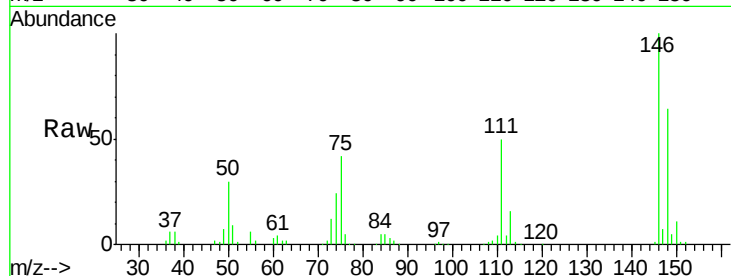
Tot Ion:146 Resp: 145073

Ion Ratio Lower Upper

146 100

148 63.8 52.3 78.5

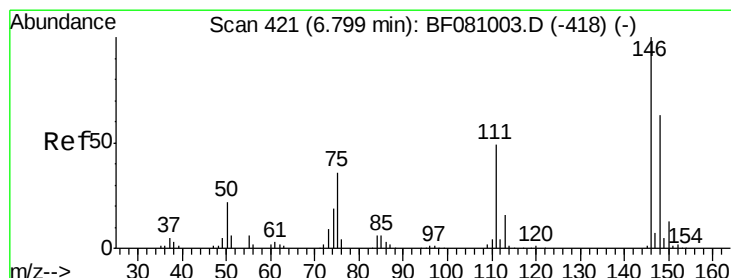
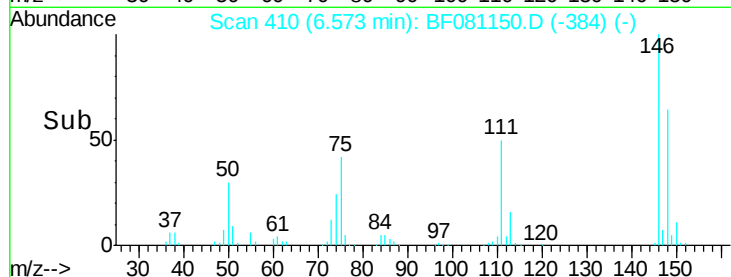
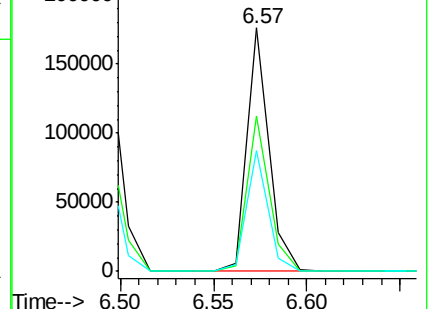
111 49.7 34.4 51.6



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: 33.96 ng

RT: 6.57 min Scan# 410

Delta R.T. -0.16 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

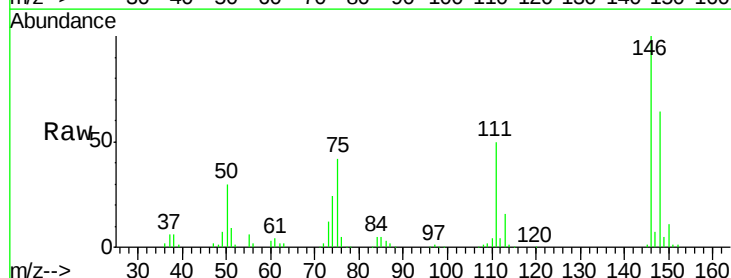
Tgt Ion:146 Resp: 145073

Ion Ratio Lower Upper

146 100

148 63.8 48.7 73.1

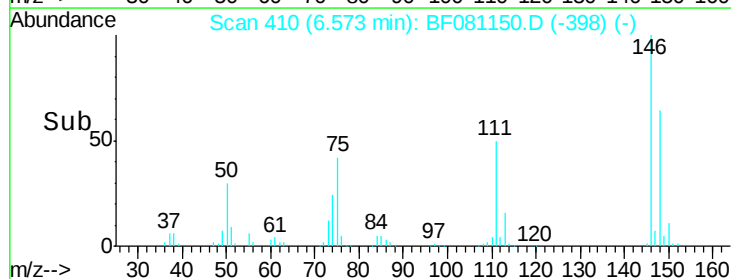
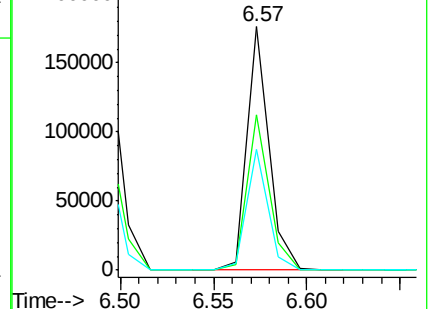
111 49.7 42.3 63.5

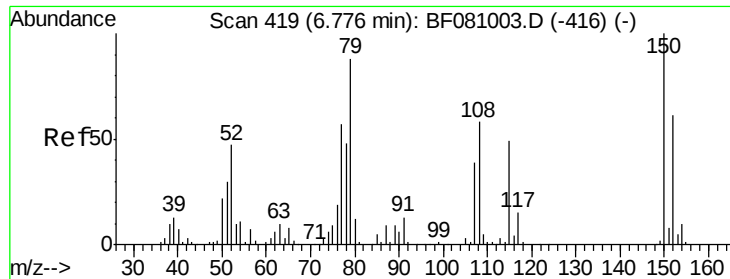


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

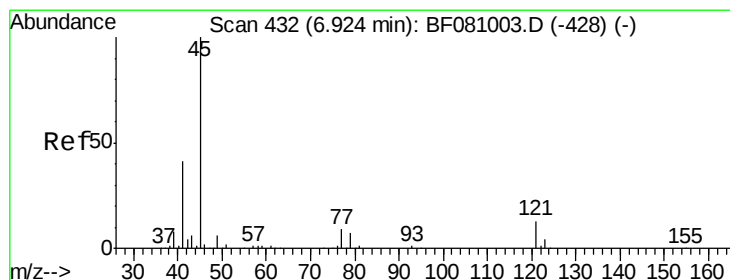
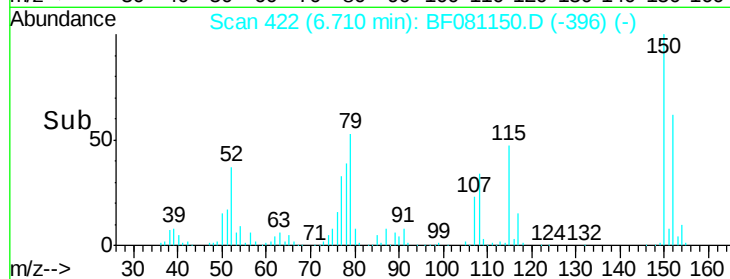
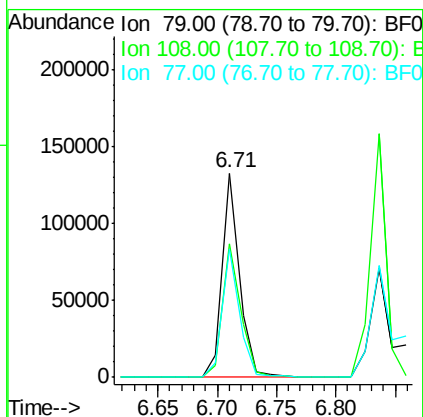
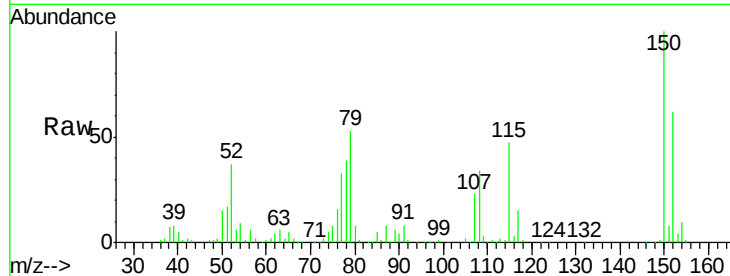




#15
Benzyl Alcohol
Concen: 32.65 ng
RT: 6.71 min Scan# 422
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

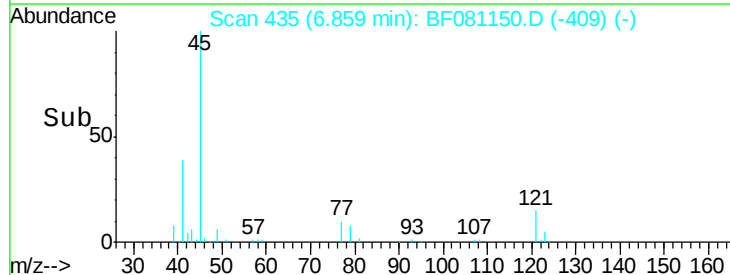
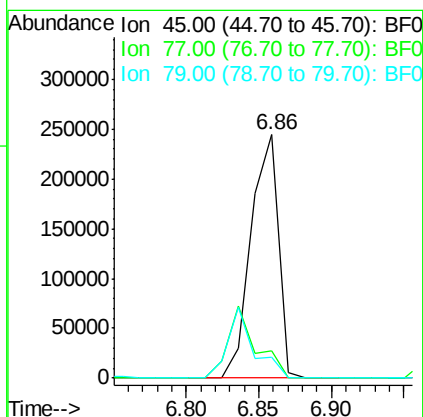
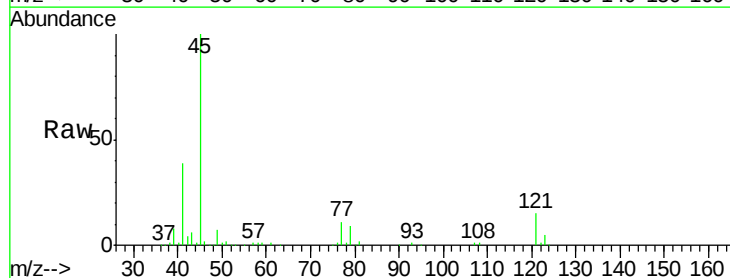
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMS

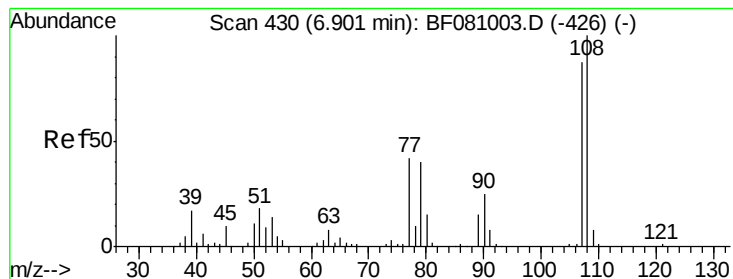
Tot Ion: 79 Resp: 135068
Ion Ratio Lower Upper
79 100
108 65.0 49.4 74.2
77 62.8 51.4 77.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.09 ng
RT: 6.86 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Tgt Ion: 45 Resp: 319541
Ion Ratio Lower Upper
45 100
77 11.1 0.0 30.2
79 8.7 0.0 28.0





#17

2-Methylphenol

Concen: 34.70 ng

RT: 6.84 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

Tot Ion:107 Resp: 127723

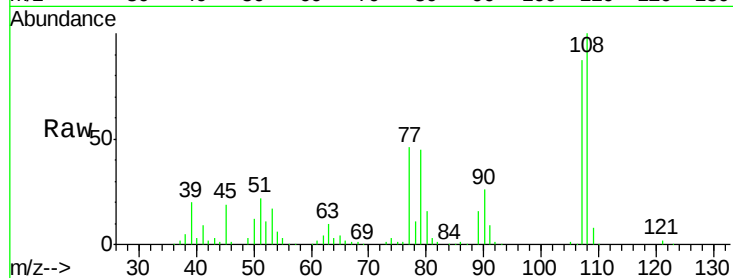
Ion Ratio Lower Upper

107 100

108 114.8 90.4 135.6

77 52.9 46.5 69.7

79 51.7 46.3 69.5

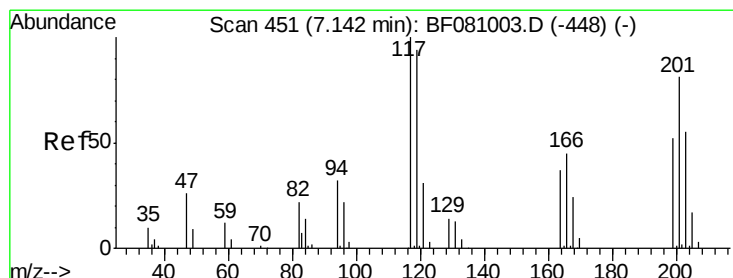
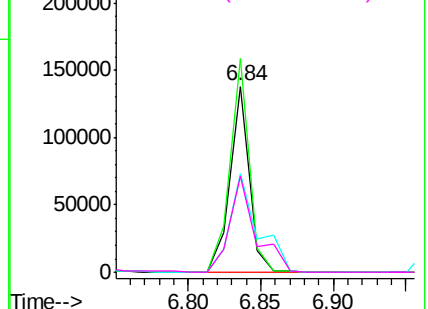
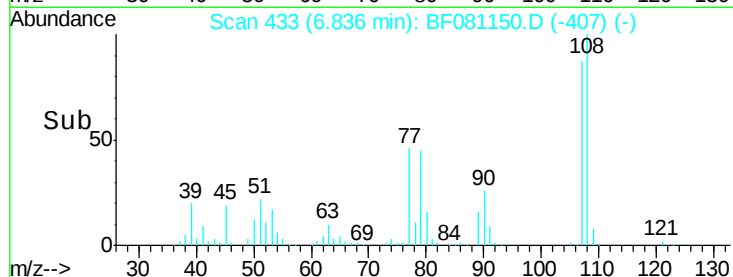


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 29.07 ng

RT: 7.06 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

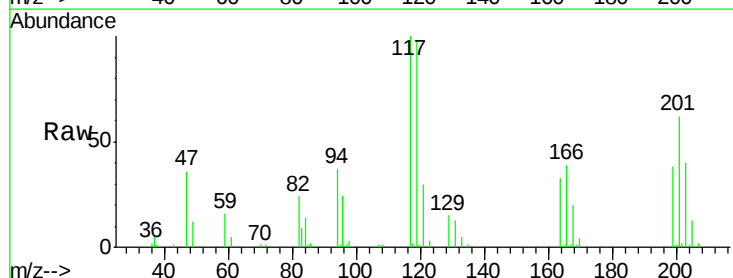
Tgt Ion:117 Resp: 53605

Ion Ratio Lower Upper

117 100

119 97.8 77.9 116.9

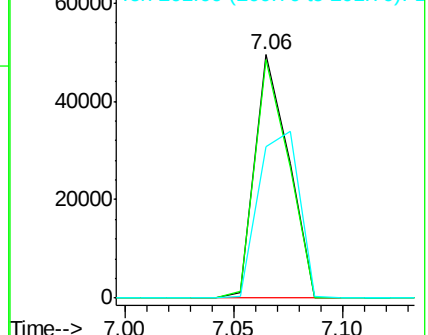
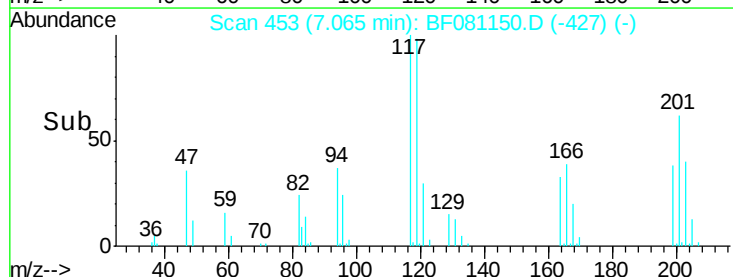
201 62.1 61.3 91.9

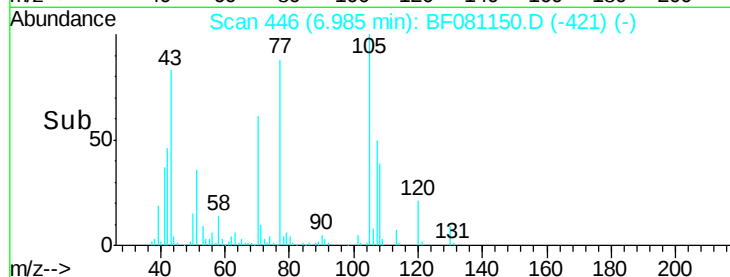
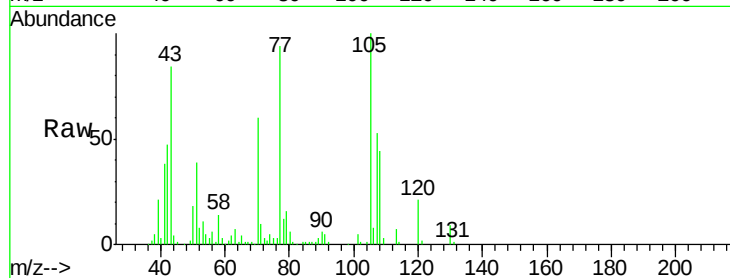
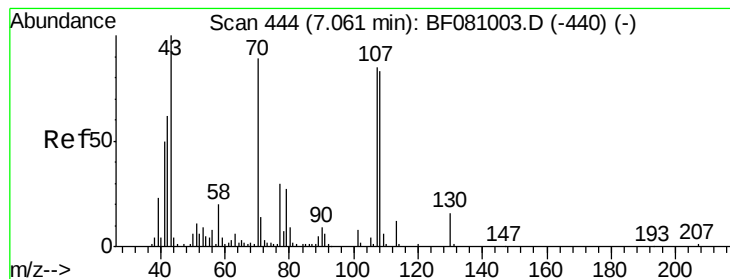


Abundance Ion 117.00 (116.70 to 117.70): E

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: 34.25 ng

RT: 6.98 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

Tot Ion: 70 Resp: 121315

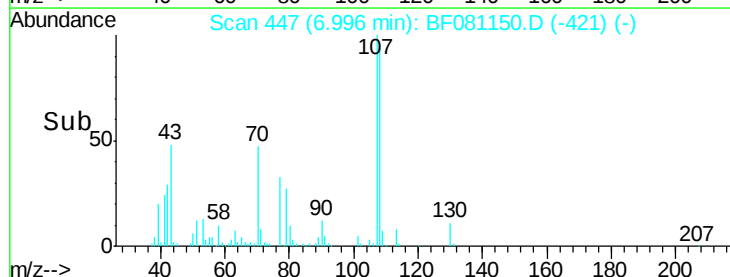
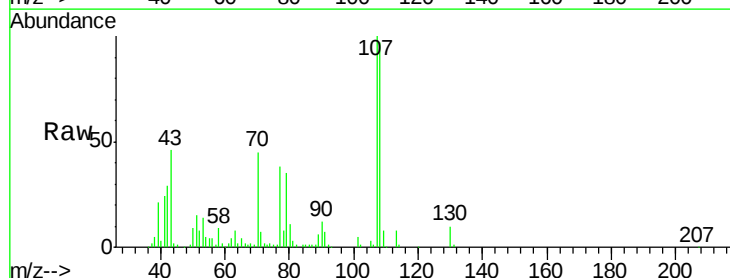
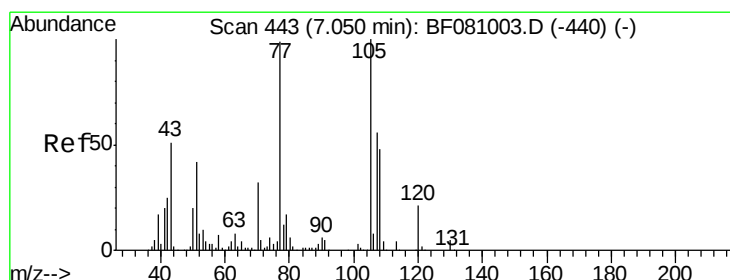
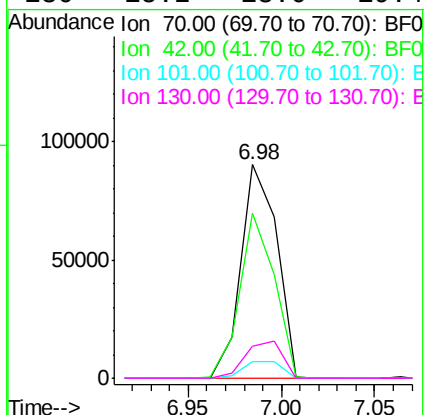
Ion Ratio Lower Upper

70 100

42 77.1 65.0 97.4

101 8.0 7.4 11.2

130 15.2 13.0 19.4



#20

3+4-Methylphenols

Concen: 35.85 ng

RT: 7.00 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Tgt Ion: 107 Resp: 167457

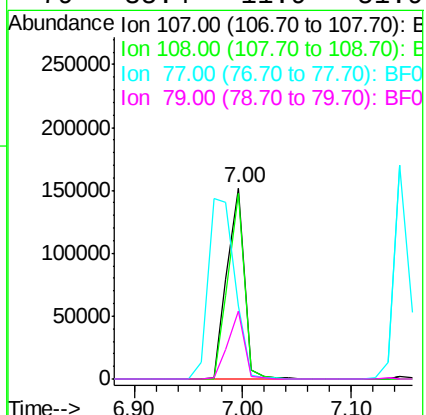
Ion Ratio Lower Upper

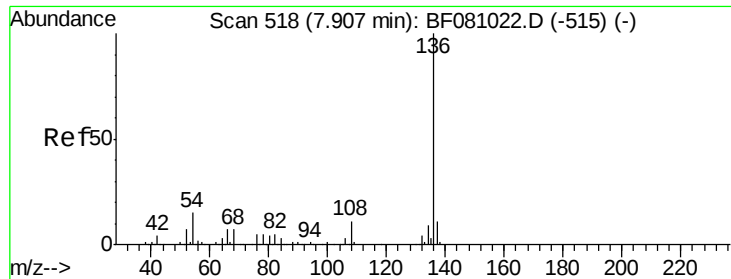
107 100

108 97.3 66.1 106.1

77 38.0 139.3 179.3#

79 35.4 11.9 51.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 521

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

Tot Ion:136 Resp: 233089

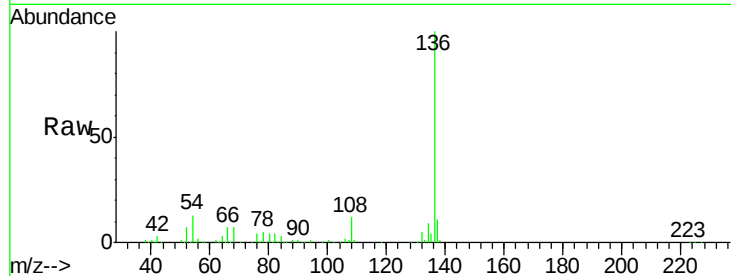
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.2

54 13.1 7.7 11.5#

68 6.6 3.4 5.2#

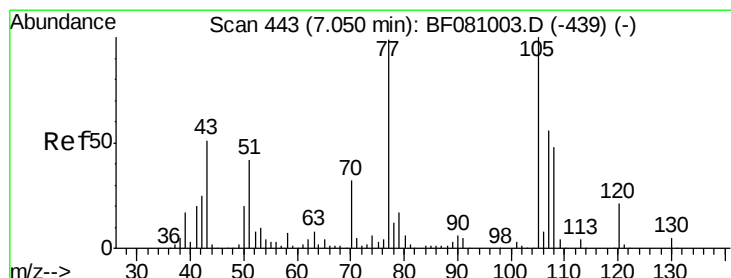
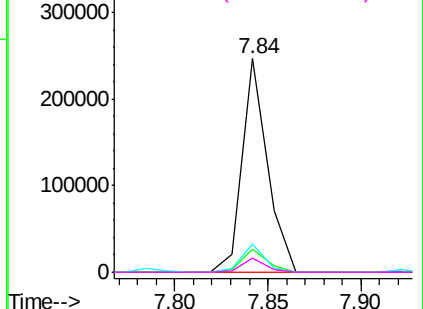
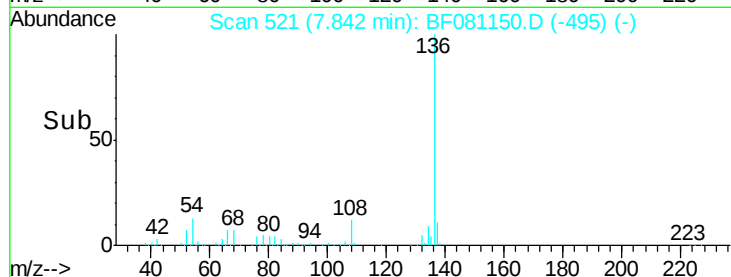


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.93 ng

RT: 6.97 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Tgt Ion:105 Resp: 225974

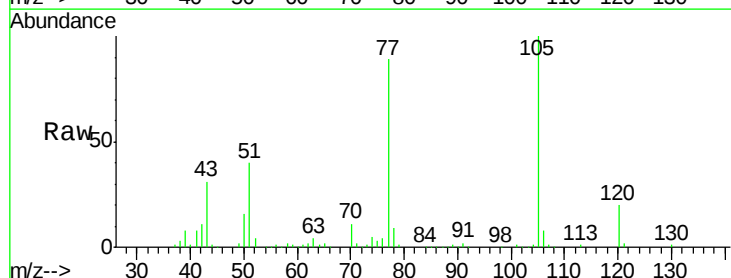
Ion Ratio Lower Upper

105 100

71 2.0 3.0 4.6#

51 39.9 39.8 59.8

120 19.7 15.8 23.8

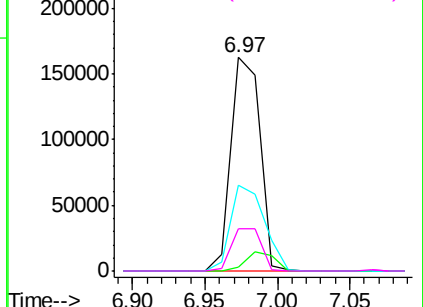
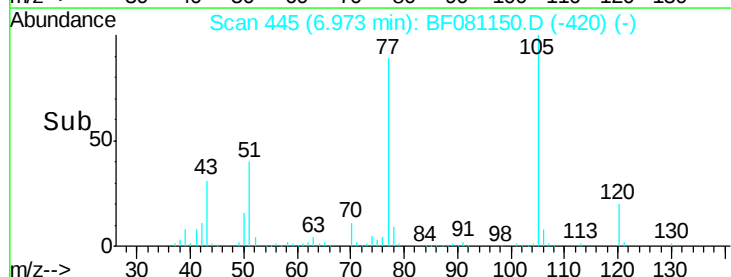


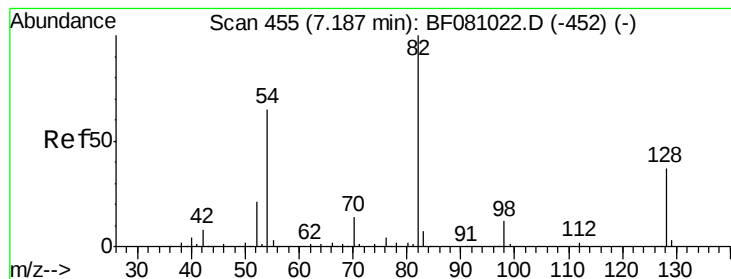
Abundance Ion 105.00 (104.70 to 105.70): E

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: 74.72 ng

RT: 7.13 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

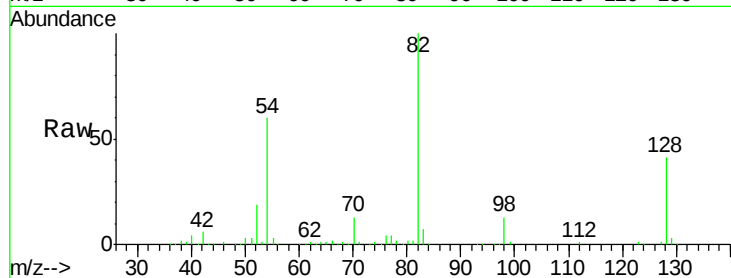
Tot Ion: 82 Resp: 381252

Ion Ratio Lower Upper

82 100

128 40.8 28.6 42.8

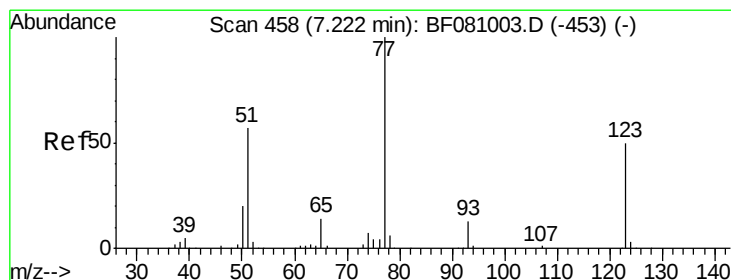
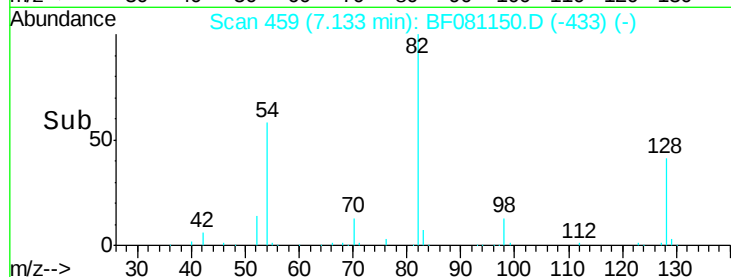
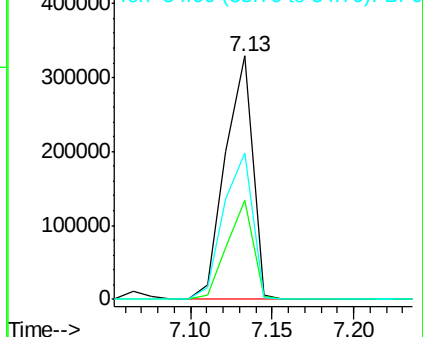
54 60.1 55.1 82.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 30.65 ng

RT: 7.14 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

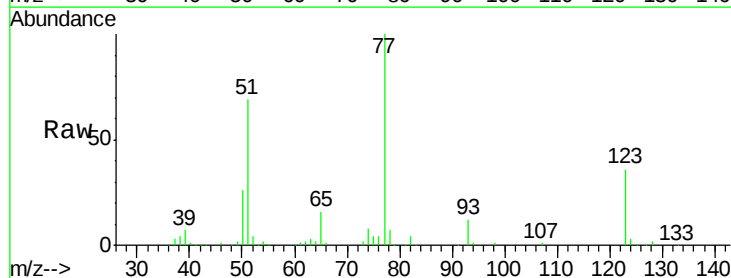
Tgt Ion: 77 Resp: 163504

Ion Ratio Lower Upper

77 100

123 36.4 32.9 49.3

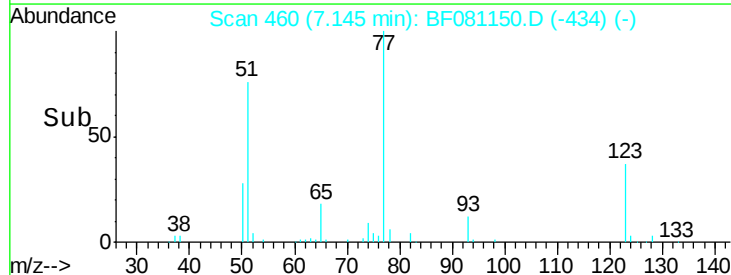
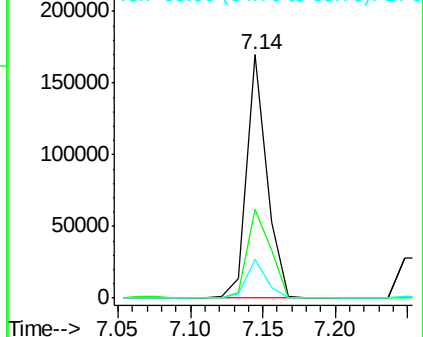
65 16.0 12.5 18.7



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 34.98 ng

RT: 7.40 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

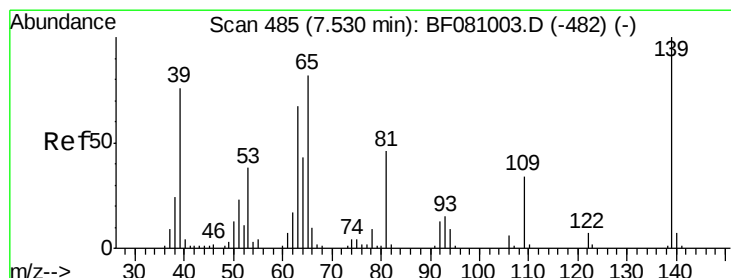
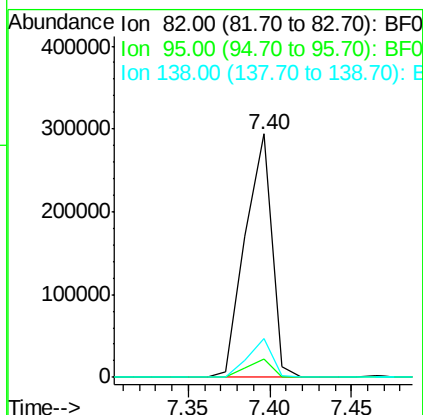
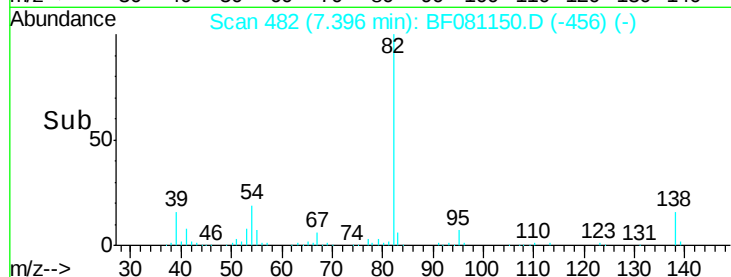
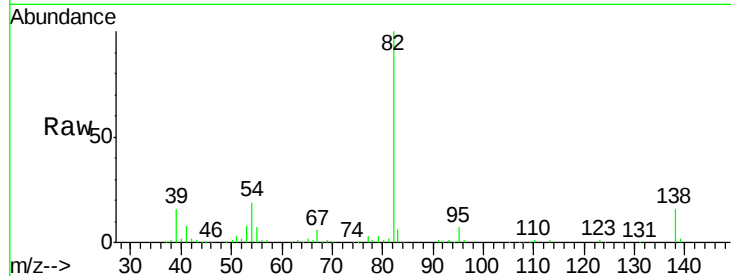
Tot Ion: 82 Resp: 332842

Ion Ratio Lower Upper

82 100

95 7.5 6.2 9.2

138 16.1 10.5 15.7#



#26

2-Nitrophenol

Concen: 34.20 ng

RT: 7.46 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

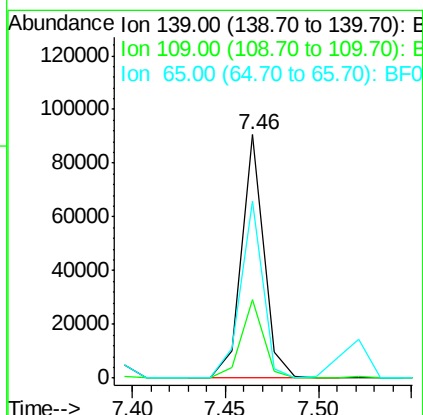
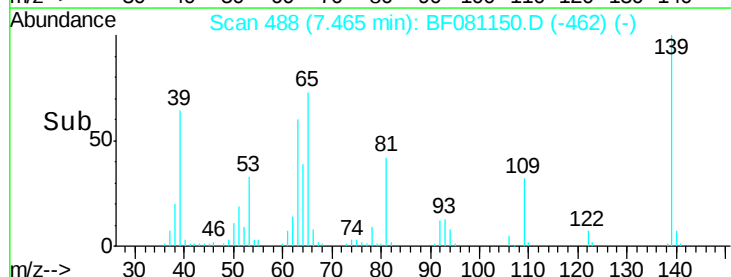
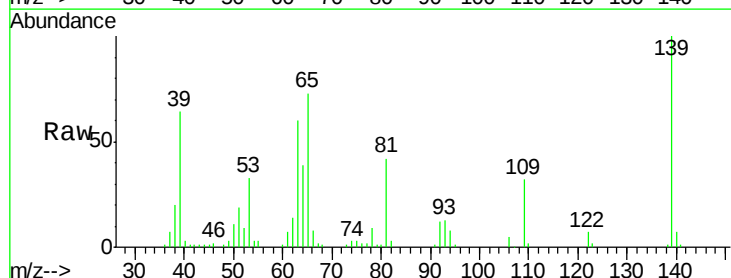
Tgt Ion: 139 Resp: 75889

Ion Ratio Lower Upper

139 100

109 32.0 32.1 48.1#

65 72.6 69.9 104.9

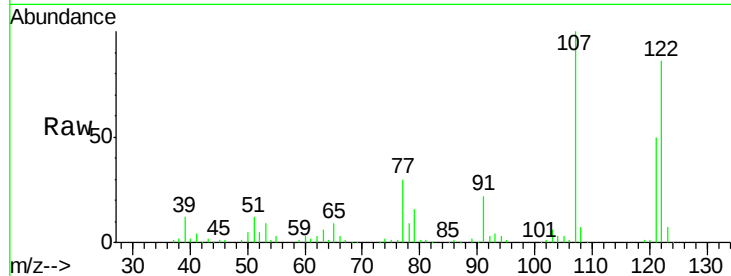




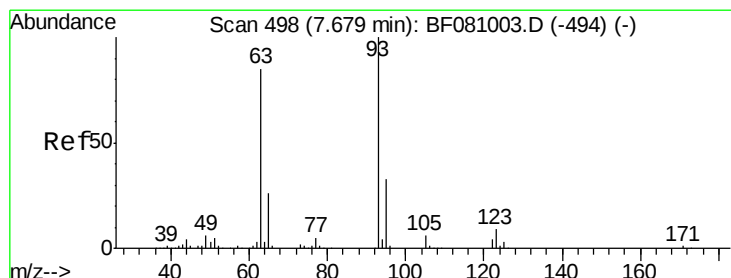
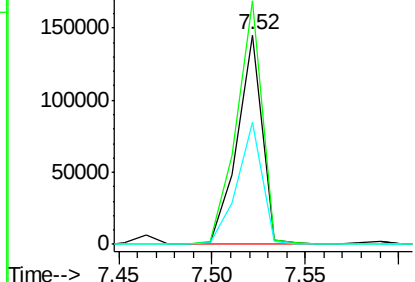
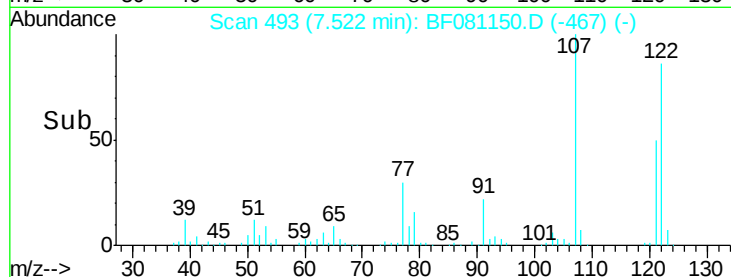
#27
 2,4-Dimethylphenol
 Concen: 34.78 ng
 RT: 7.52 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion:122 Resp: 136525
 Ion Ratio Lower Upper
 122 100
 107 116.3 103.8 155.6
 121 58.4 47.0 70.4

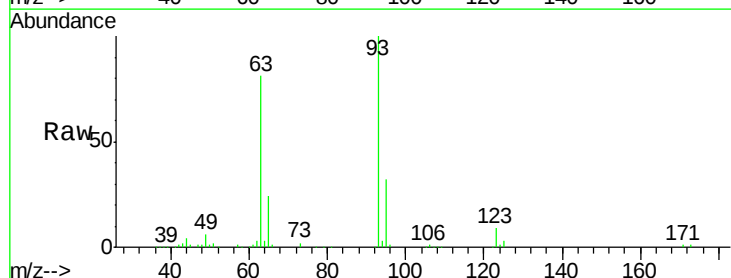


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

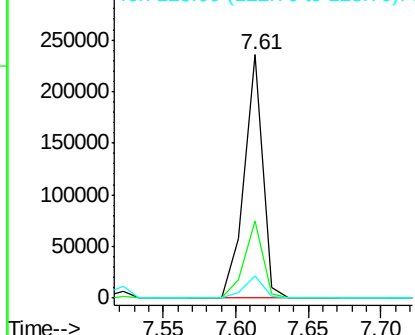
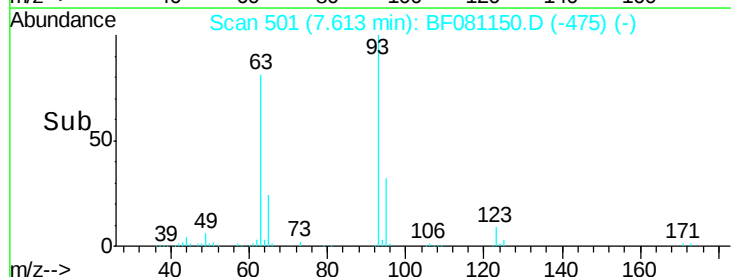


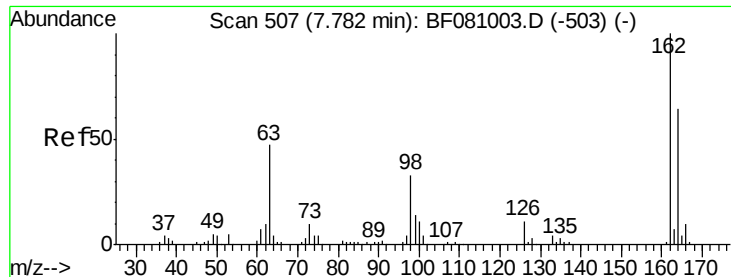
#28
 bis(2-Chloroethoxy)methane
 Concen: 37.21 ng
 RT: 7.61 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion: 93 Resp: 209151
 Ion Ratio Lower Upper
 93 100
 95 31.8 25.8 38.8
 123 9.3 7.4 11.0



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

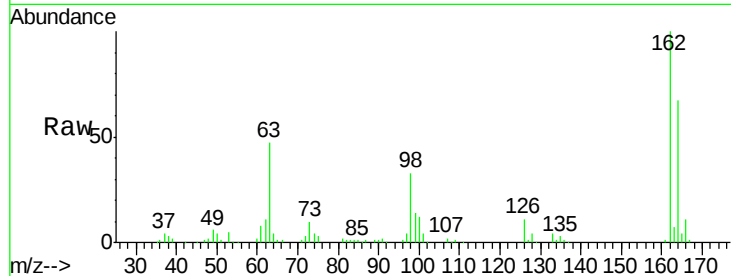




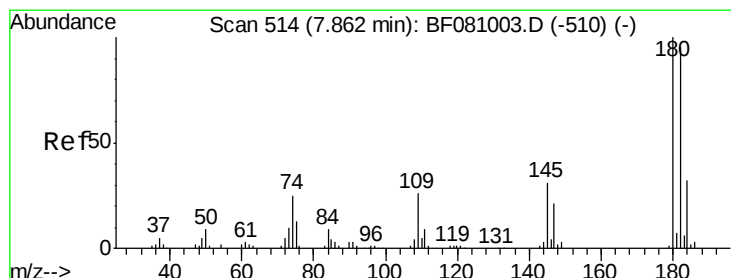
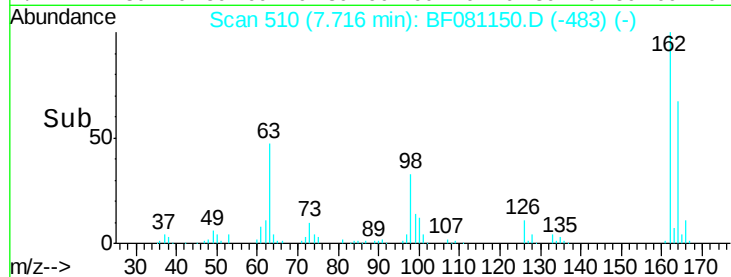
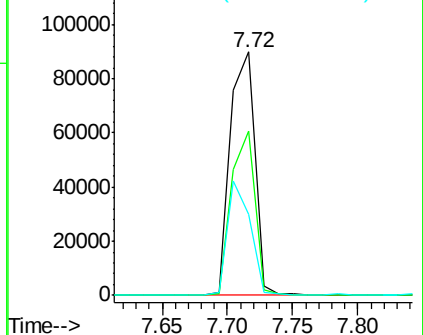
#29
 2,4-Dichlorophenol
 Concen: 35.73 ng
 RT: 7.72 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion:162 Resp: 118075
 Ion Ratio Lower Upper
 162 100
 164 67.4 43.2 83.2
 98 33.5 12.3 52.3

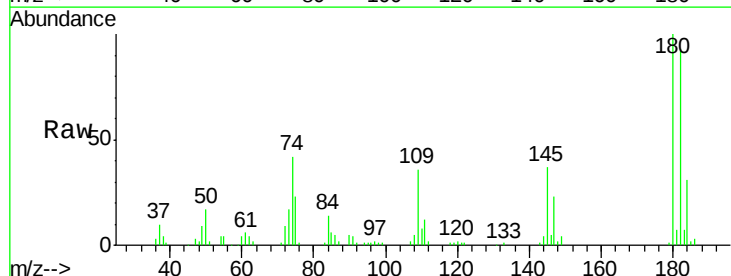


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

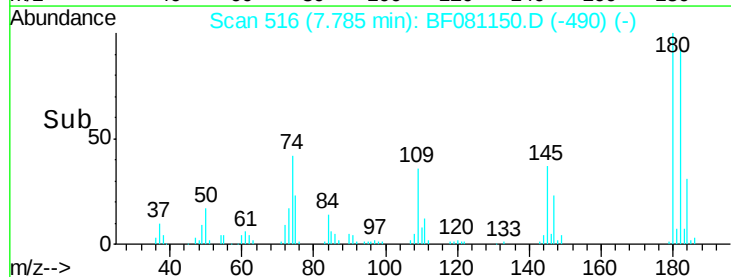
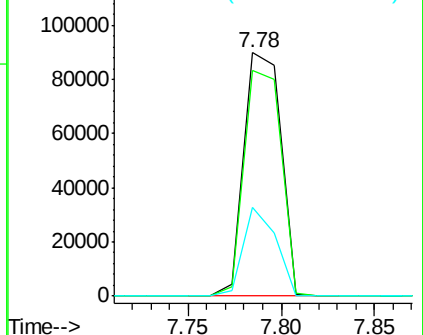


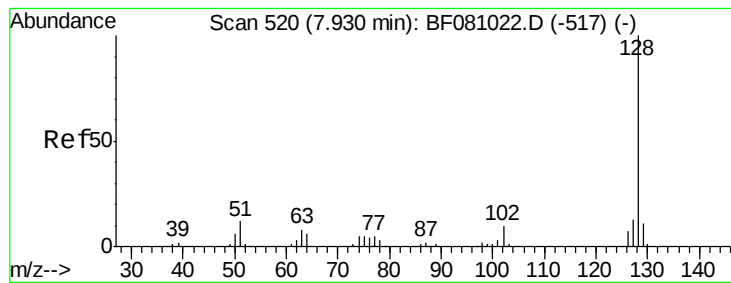
#30
 1,2,4-Trichlorobenzene
 Concen: 33.70 ng
 RT: 7.78 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion:180 Resp: 123782
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.4 114.6
 145 36.5 25.4 38.2



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: 32.18 ng

RT: 7.86 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

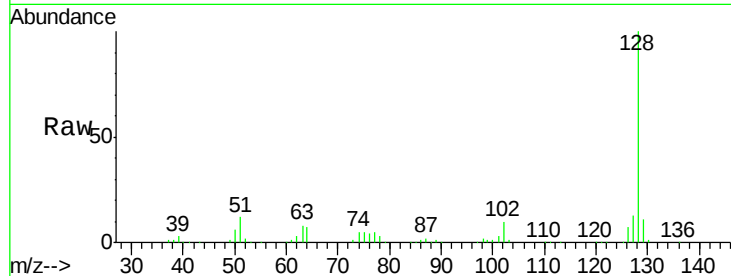
Tot Ion:128 Resp: 418144

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

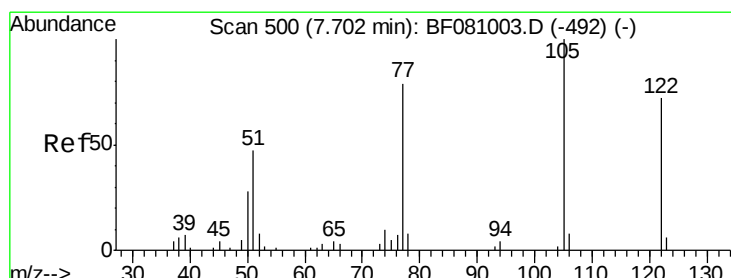
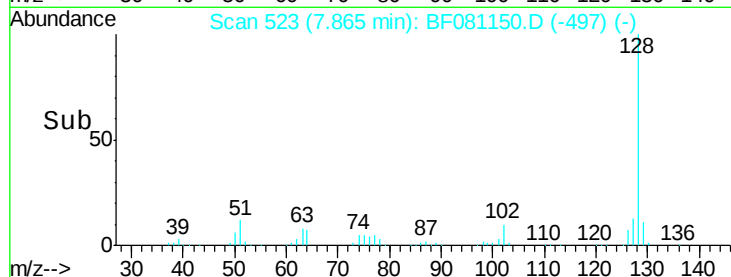
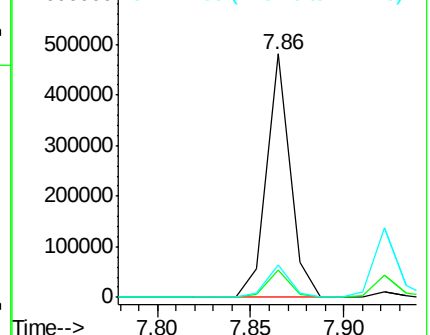
127 13.2 10.6 16.0



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: 61.84 ng

RT: 7.52 min Scan# 493

Delta R.T. -0.13 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

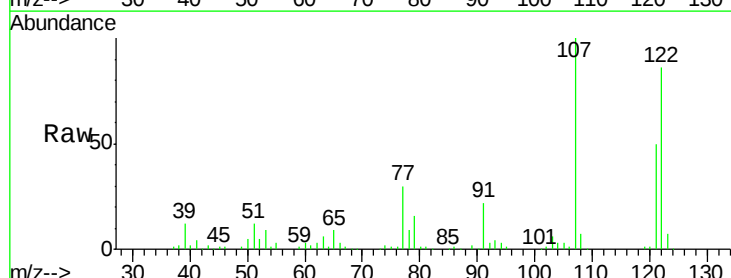
Tgt Ion:122 Resp: 136525

Ion Ratio Lower Upper

122 100

105 3.5 113.8 153.8#

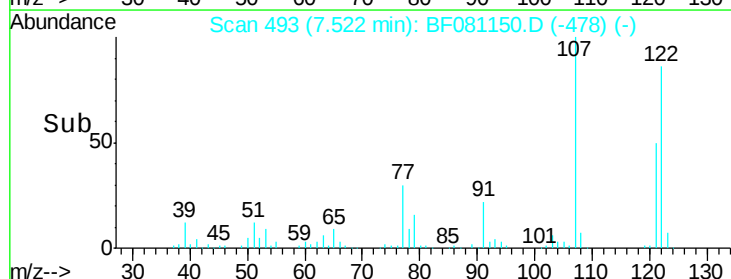
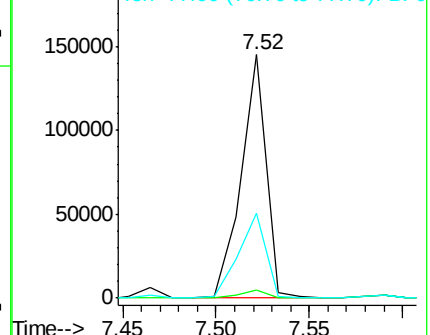
77 35.0 93.8 133.8#



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

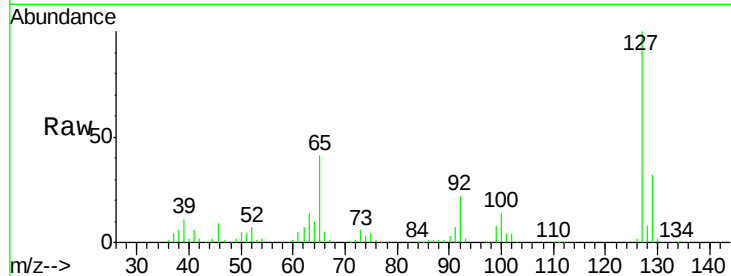




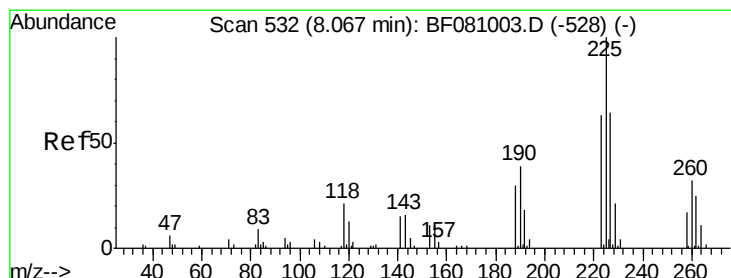
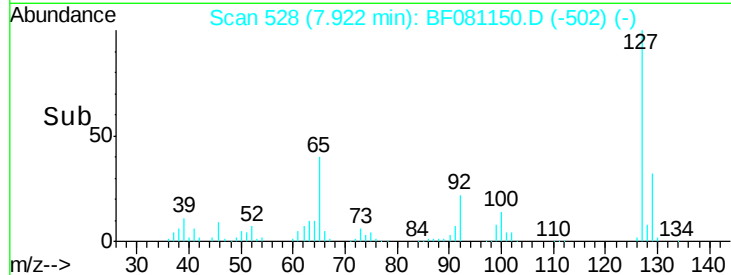
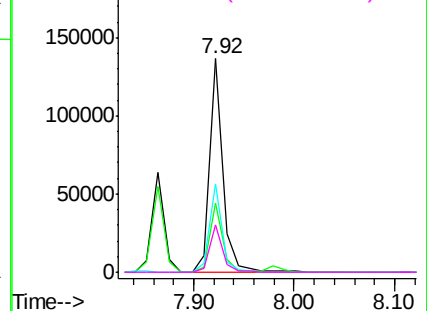
#33
4-Chloroaniline
Concen: 22.83 ng
RT: 7.92 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMS

Tot Ion:	127	Resp:	125149
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.2	37.8
65	41.4	37.8	56.6
92	22.0	19.5	29.3

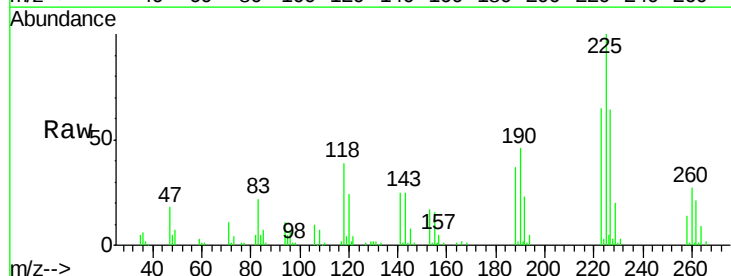


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

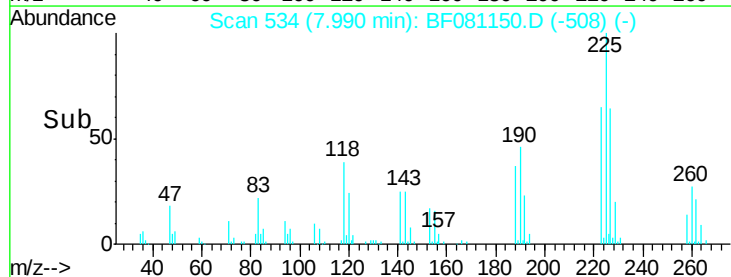
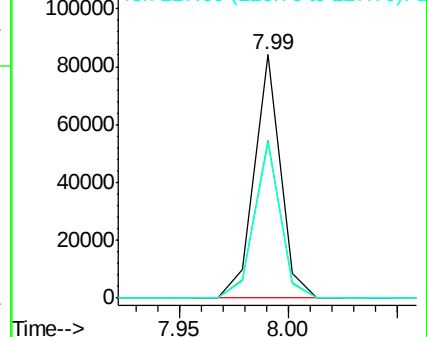


#34
Hexachlorobutadiene
Concen: 33.93 ng
RT: 7.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Tgt Ion:	225	Resp:	70471
Ion	Ratio	Lower	Upper
225	100		
223	64.7	52.6	79.0
227	63.6	51.1	76.7



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





#35

Caprolactam

Concen: 27.30 ng

RT: 8.29 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

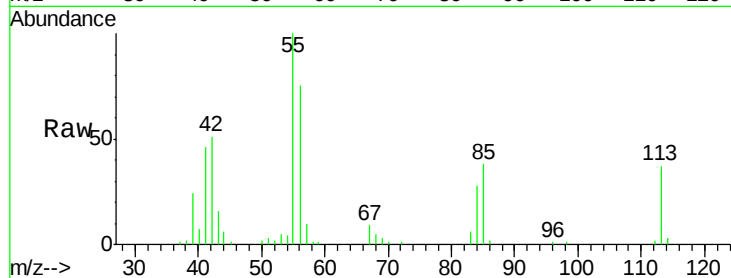
Tot Ion:113 Resp: 31531

Ion Ratio Lower Upper

113 100

55 271.0 280.4 320.4#

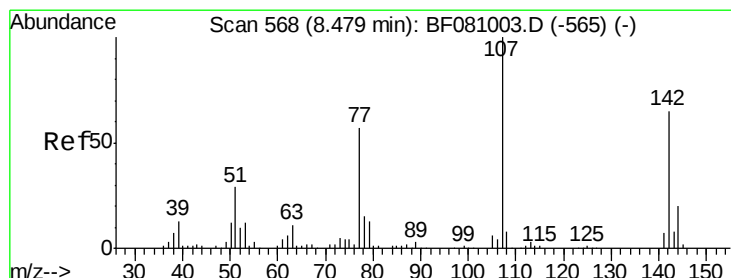
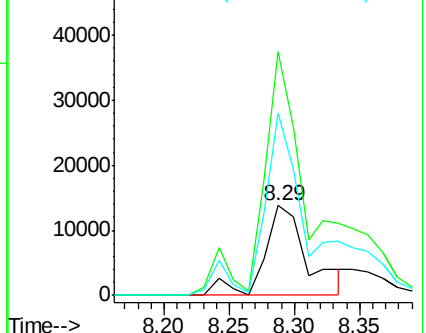
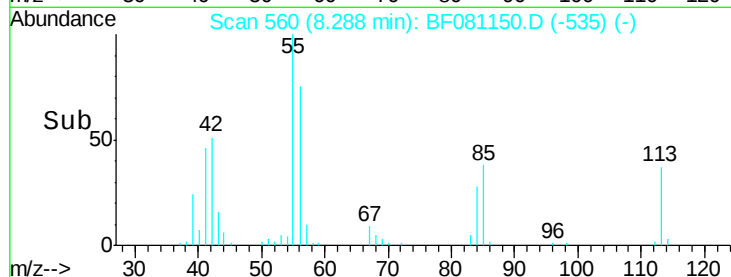
56 202.2 205.9 245.9#



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: 34.95 ng

RT: 8.41 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

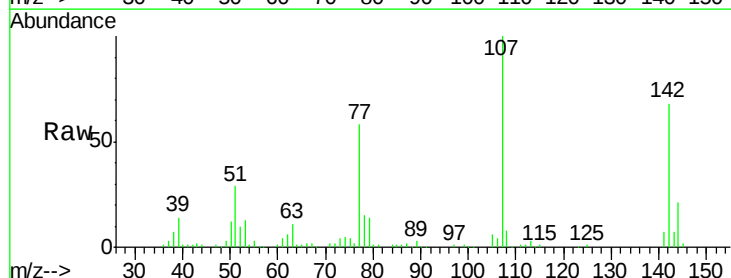
Tgt Ion:107 Resp: 137653

Ion Ratio Lower Upper

107 100

144 20.6 17.2 25.8

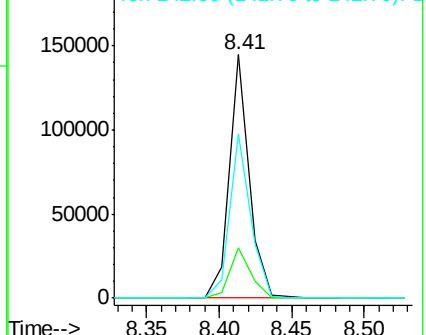
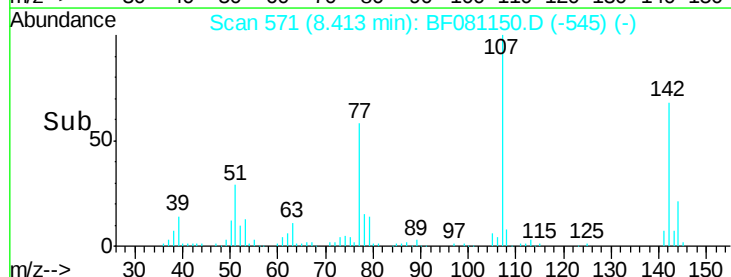
142 67.6 54.9 82.3

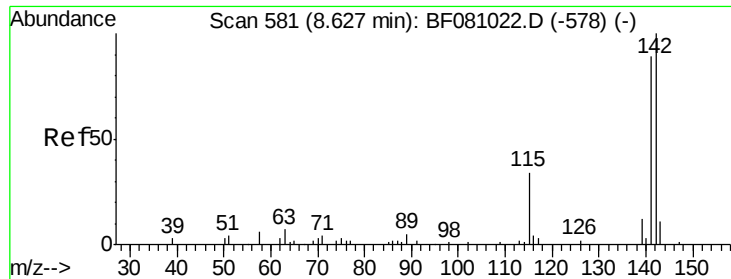


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

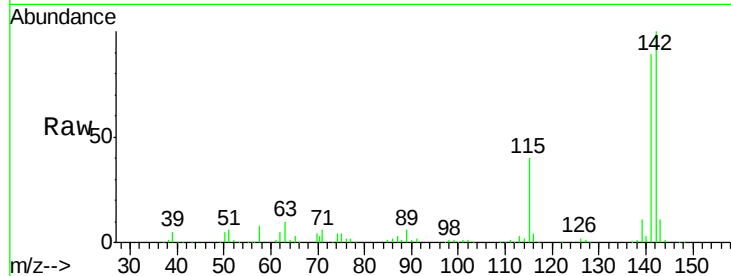




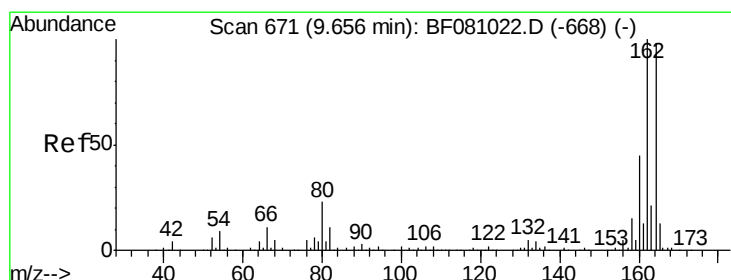
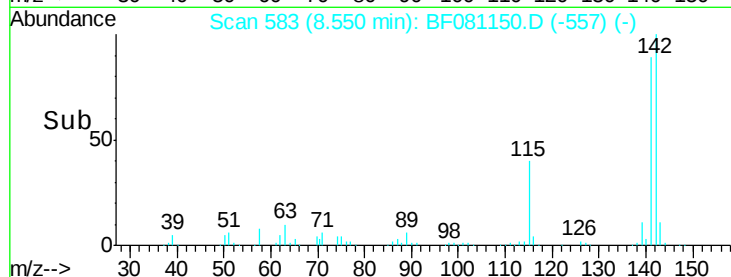
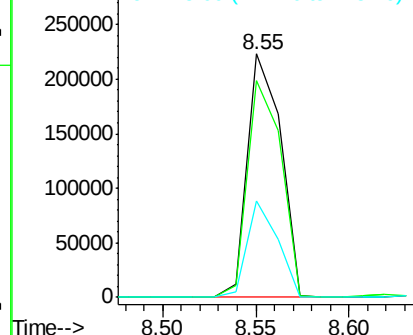
#37
 2-Methylnaphthalene
 Concen: 33.88 ng
 RT: 8.55 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.2
115	39.8	33.4	50.0

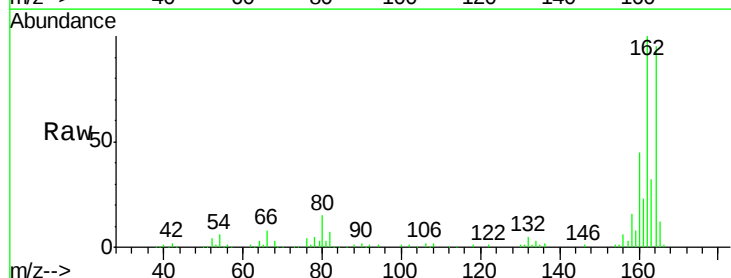


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

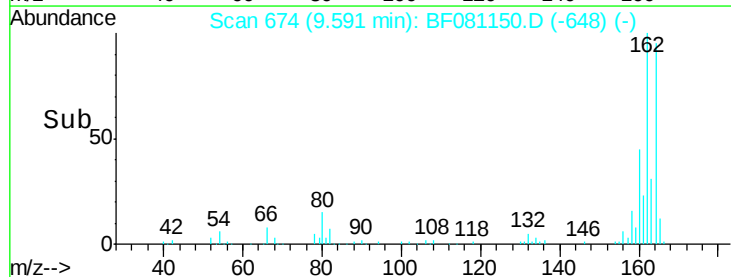
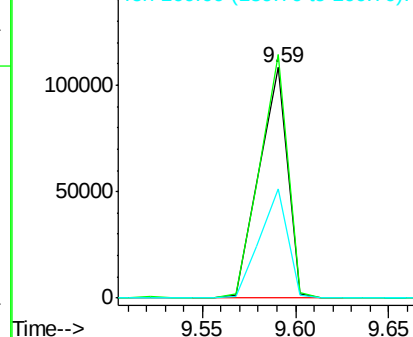


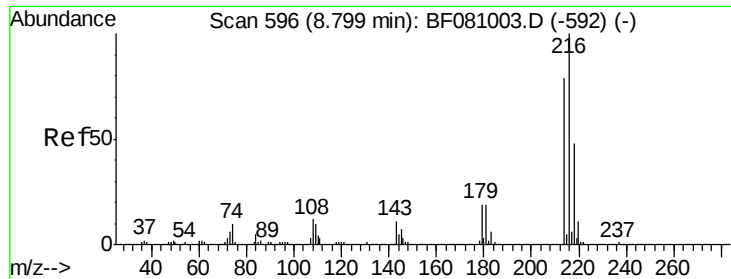
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	83.8	125.8
160	47.1	39.8	59.8



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

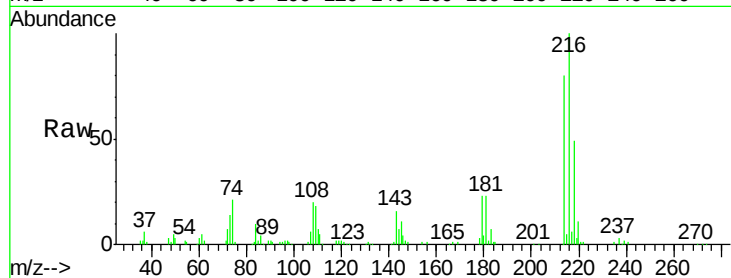




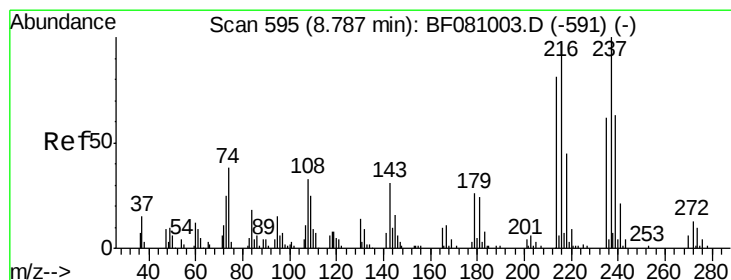
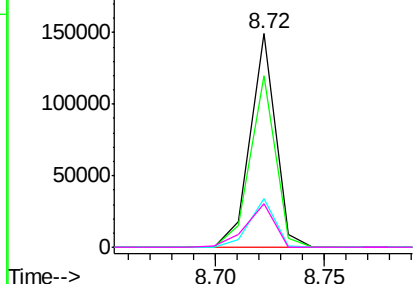
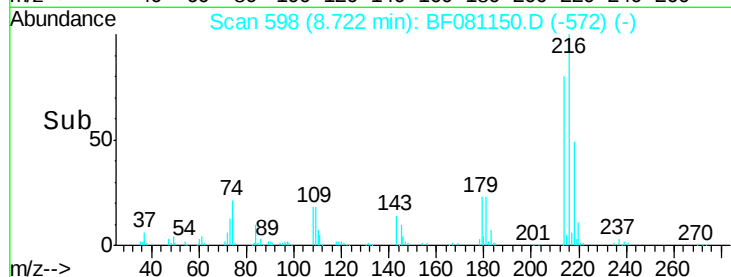
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 33.01 ng
 RT: 8.72 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion:216	Resp:	120725
Ion Ratio	Lower	Upper
216	100	
214	80.1	63.8 95.8
179	23.1	17.8 26.8
108	23.1	16.2 24.2

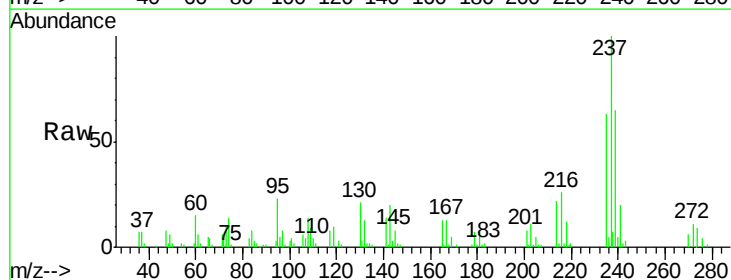


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

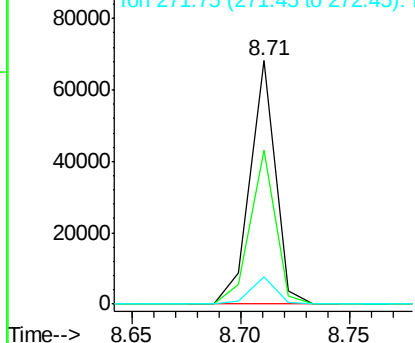
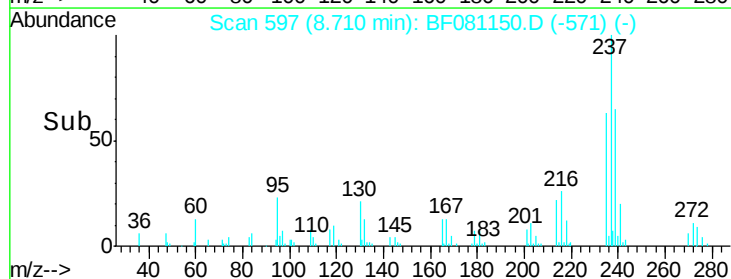


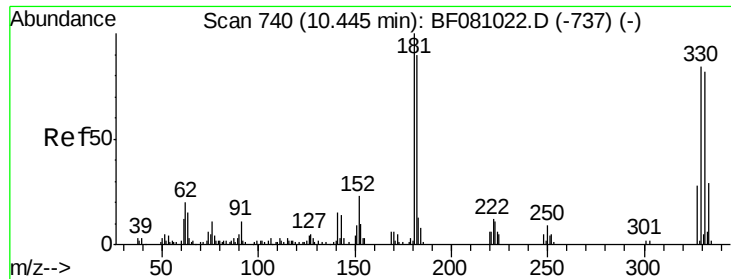
#40
 Hexachlorocyclopentadiene
 Concen: 29.21 ng
 RT: 8.71 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion:237	Resp:	55285
Ion Ratio	Lower	Upper
237	100	
235	63.2	43.6 83.6
272	11.3	0.0 32.2



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: 97.46 ng

RT: 10.37 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

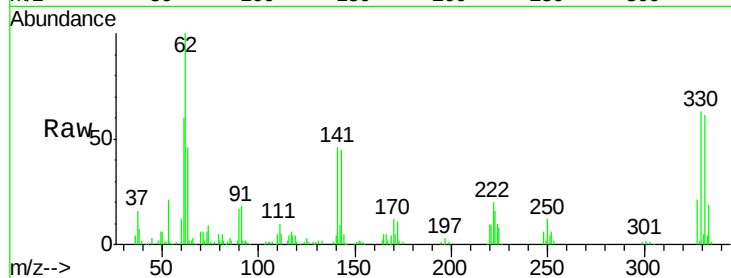
Tot Ion:330 Resp: 95765

Ion Ratio Lower Upper

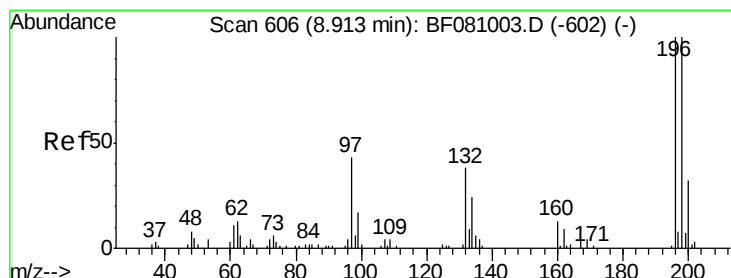
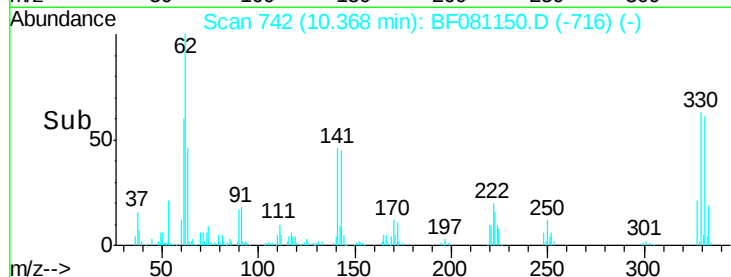
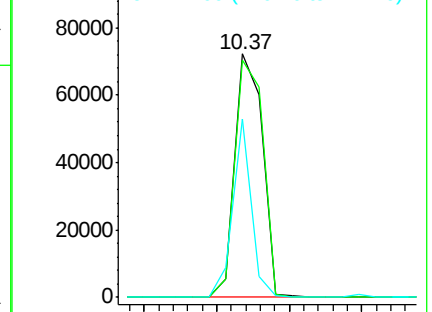
330 100

332 99.8 77.3 115.9

141 49.0 44.9 67.3



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: 31.85 ng

RT: 8.84 min Scan# 608

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

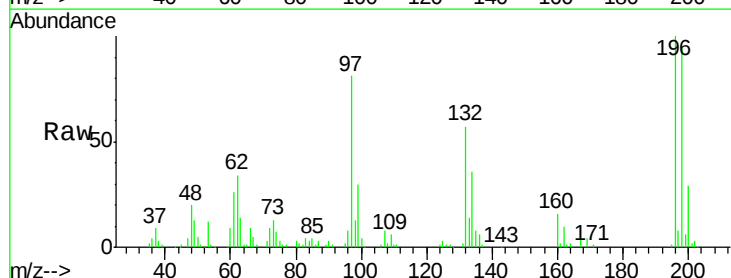
Tgt Ion:196 Resp: 82301

Ion Ratio Lower Upper

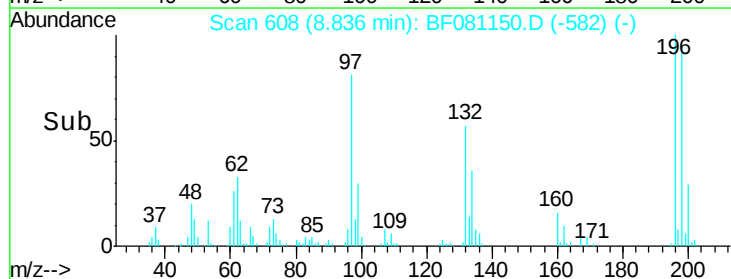
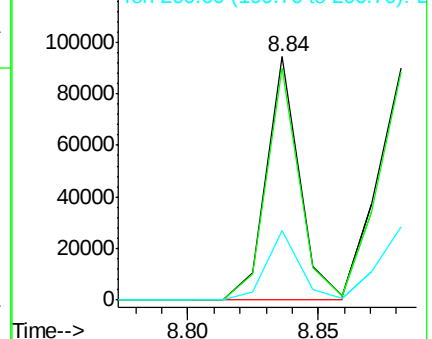
196 100

198 95.4 74.6 111.8

200 28.7 22.7 34.1



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

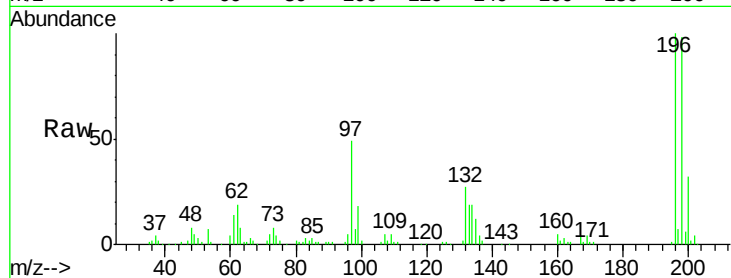




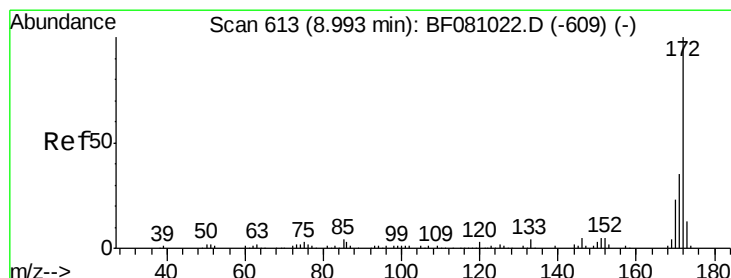
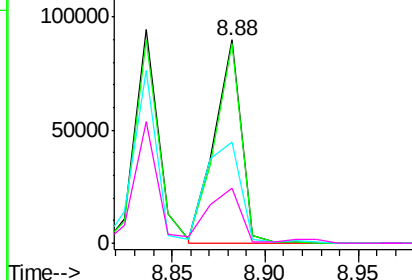
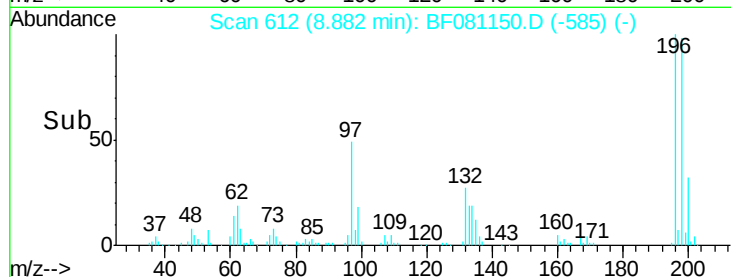
#43
 2,4,5-Trichlorophenol
 Concen: 35.13 ng
 RT: 8.88 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion:196 Resp: 90712
 Ion Ratio Lower Upper
 196 100
 198 98.4 78.3 117.5
 97 49.5 42.7 64.1
 132 27.3 23.3 34.9

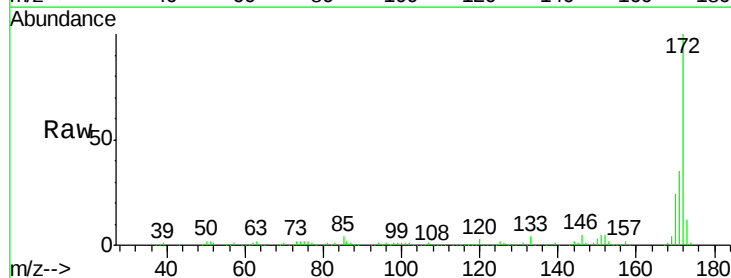


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

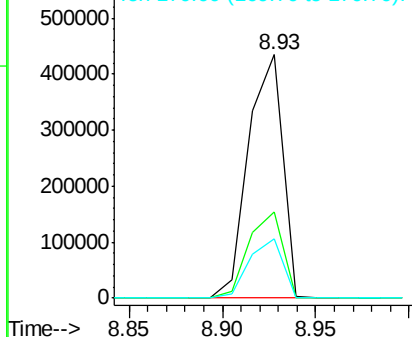
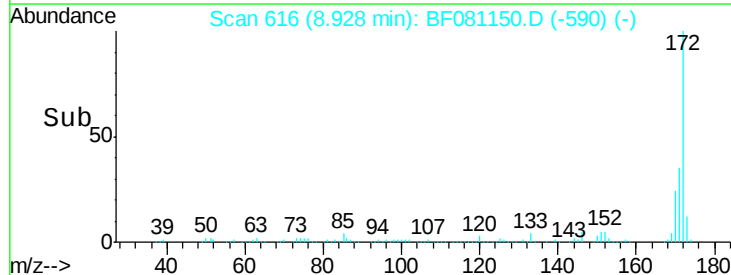


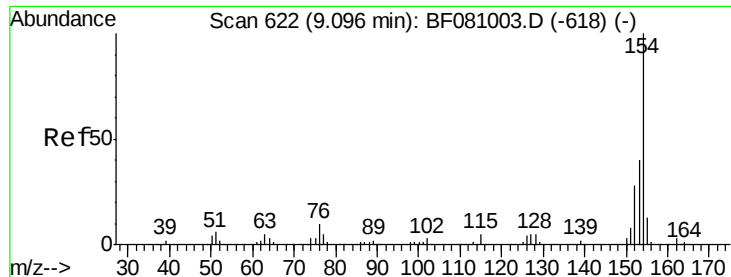
#44
 2-Fluorobiphenyl
 Concen: 63.78 ng
 RT: 8.93 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion:172 Resp: 551756
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 24.3 19.4 29.2



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: 35.58 ng

RT: 9.02 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

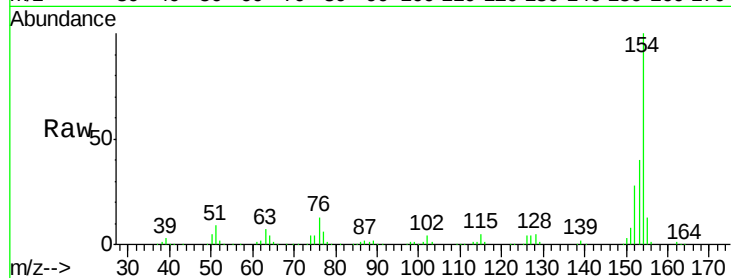
Tot Ion:154 Resp: 355199

Ion Ratio Lower Upper

154 100

153 40.2 19.5 59.5

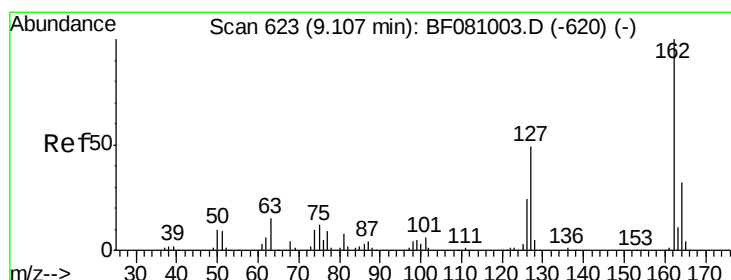
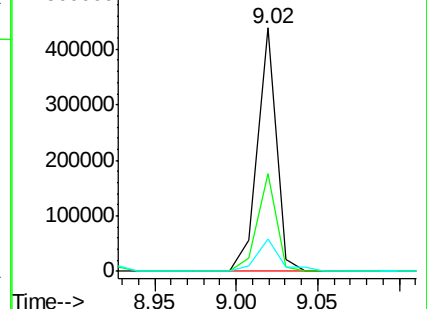
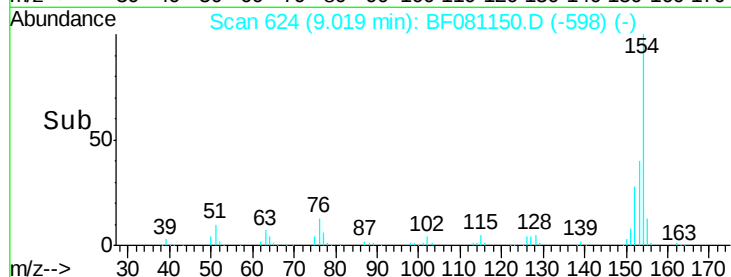
76 13.3 0.0 29.3



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: 33.50 ng

RT: 9.04 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

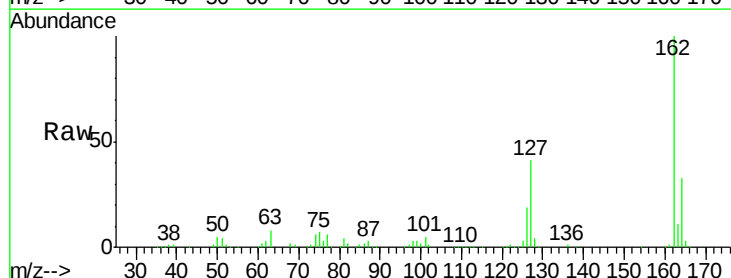
Tgt Ion:162 Resp: 268707

Ion Ratio Lower Upper

162 100

127 40.5 31.3 46.9

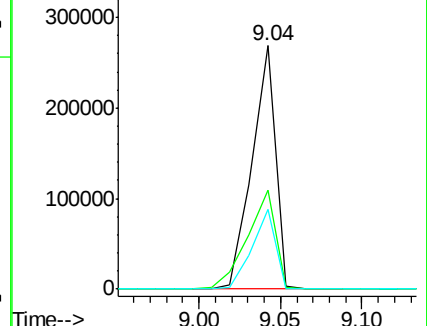
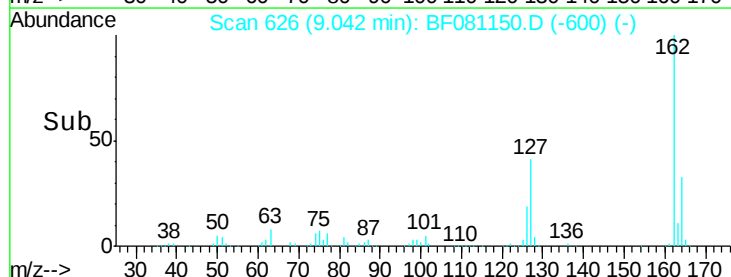
164 33.0 26.3 39.5



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

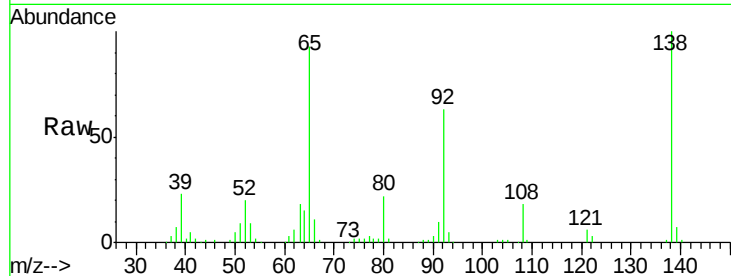




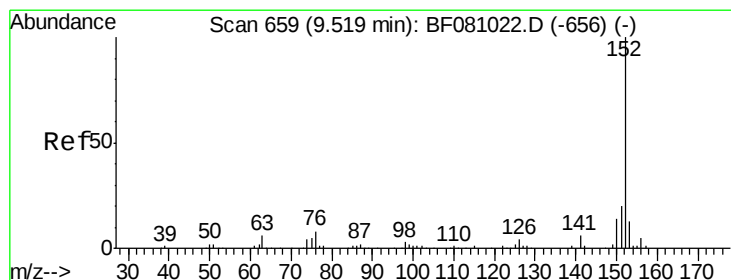
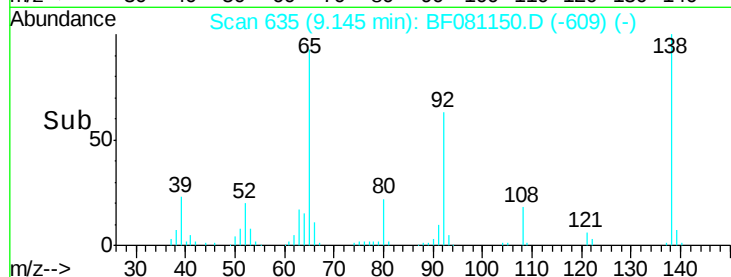
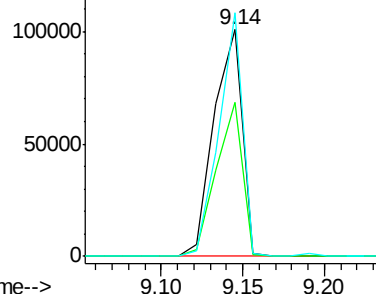
#47
 2-Nitroaniline
 Concen: 36.80 ng
 RT: 9.14 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion: 65 Resp: 120796
 Ion Ratio Lower Upper
 65 100
 92 67.9 45.6 68.4
 138 107.4 57.9 86.9#

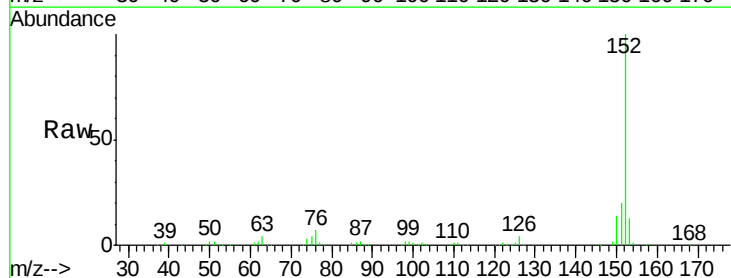


Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E

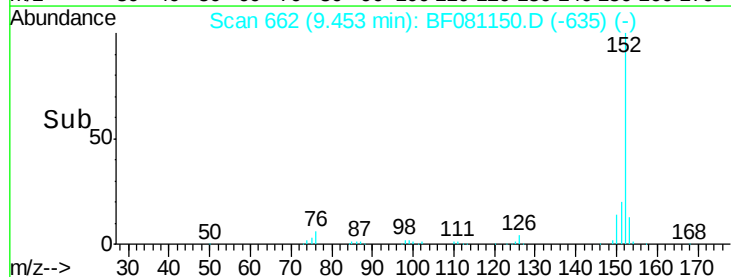
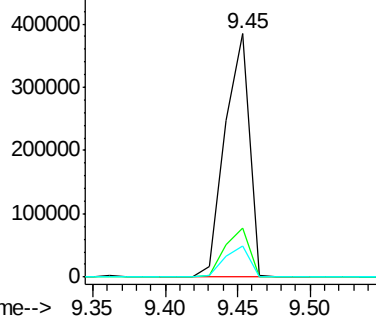


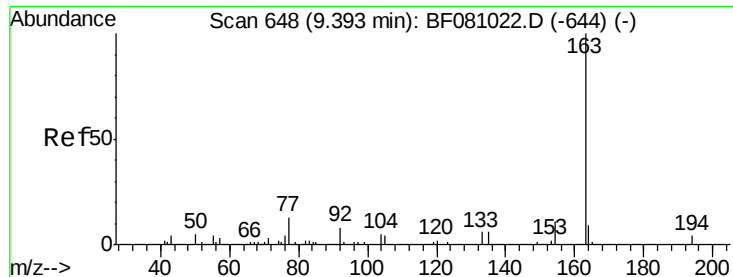
#48
 Acenaphthylene
 Concen: 31.15 ng
 RT: 9.45 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion: 152 Resp: 446920
 Ion Ratio Lower Upper
 152 100
 151 20.0 16.1 24.1
 153 12.6 9.8 14.6



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 37.79 ng

RT: 9.33 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

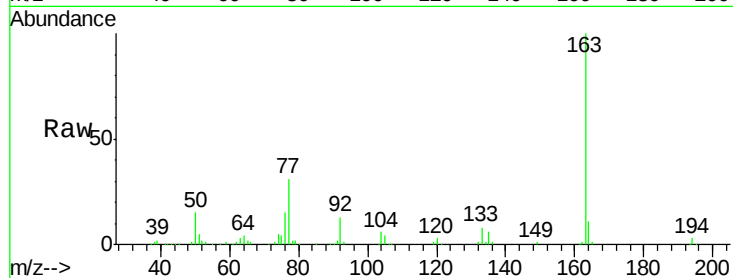
Tot Ion:163 Resp: 352750

Ion Ratio Lower Upper

163 100

194 3.0 2.5 3.7

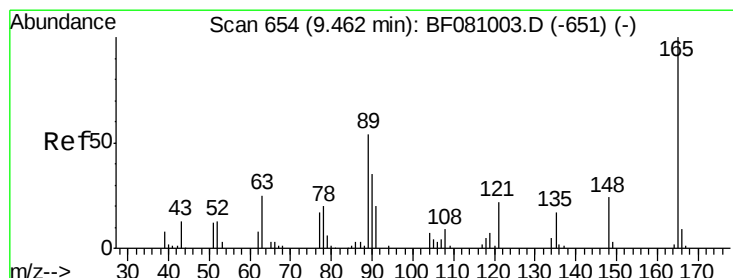
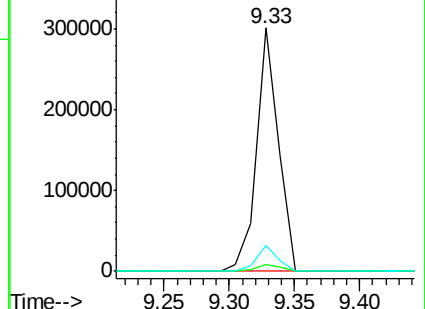
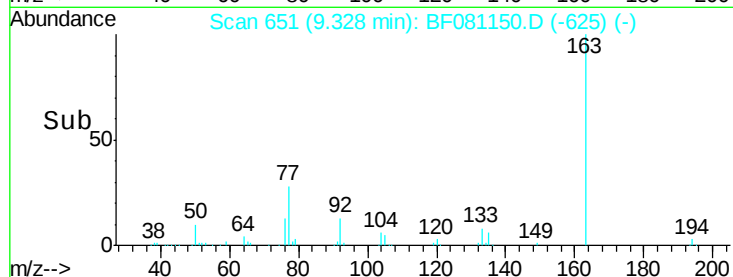
164 10.5 8.1 12.1



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: 30.38 ng

RT: 9.38 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

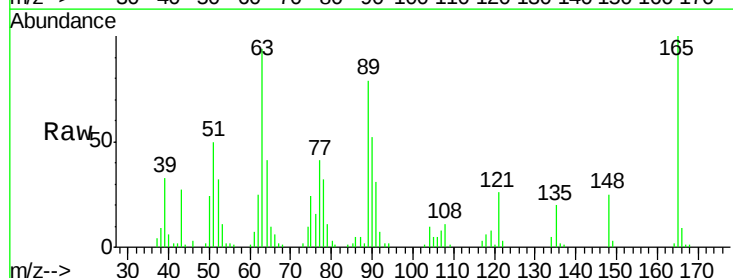
Tgt Ion:165 Resp: 60889

Ion Ratio Lower Upper

165 100

63 93.5 49.5 74.3#

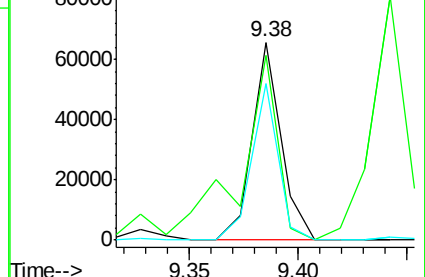
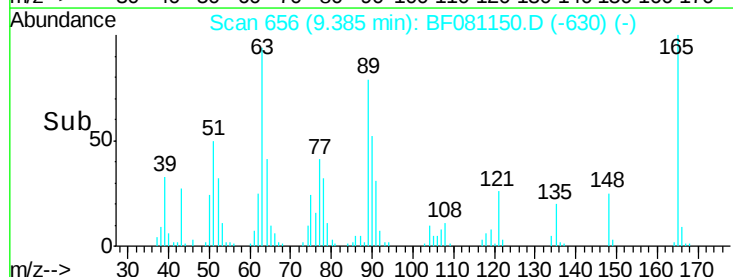
89 79.2 47.6 71.4#

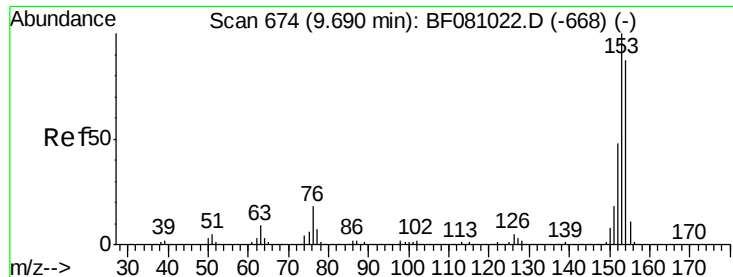


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 30.30 ng

RT: 9.62 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

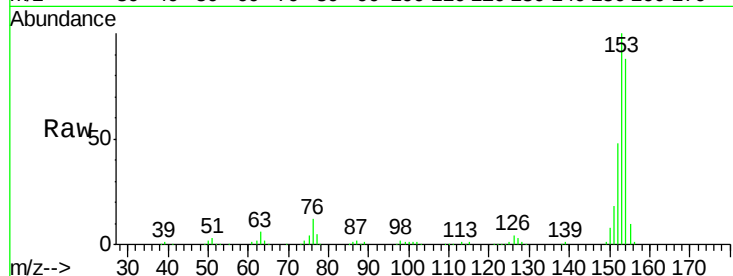
Tot Ion:154 Resp: 260296

Ion Ratio Lower Upper

154 100

153 113.6 91.4 137.2

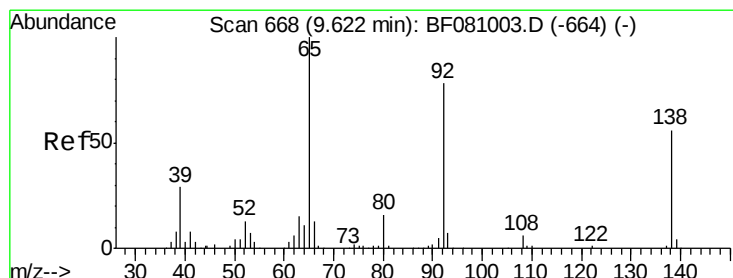
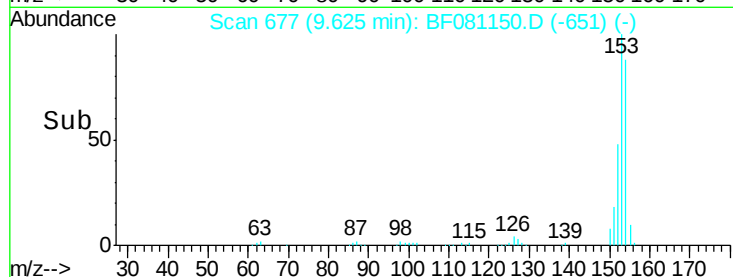
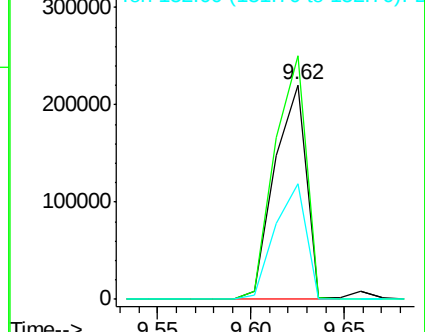
152 54.1 43.7 65.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 23.99 ng

RT: 9.54 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

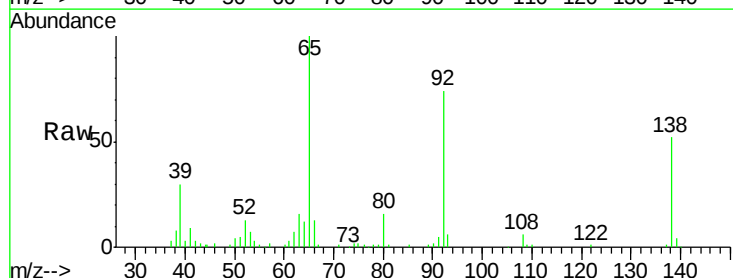
Tgt Ion:138 Resp: 60180

Ion Ratio Lower Upper

138 100

108 11.8 9.4 14.2

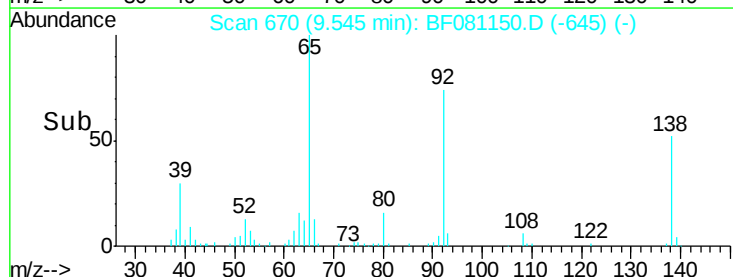
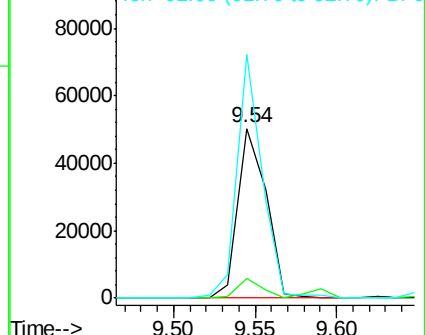
92 143.3 113.2 169.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

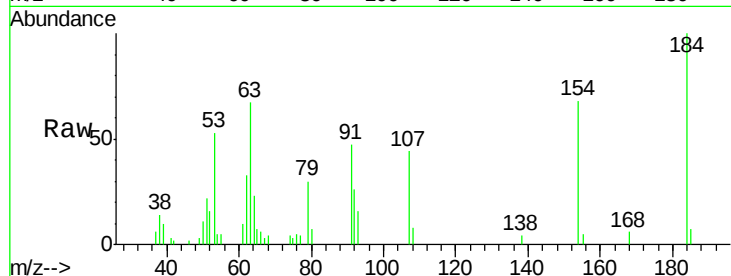




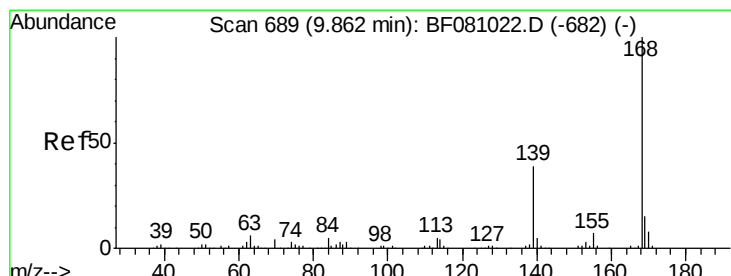
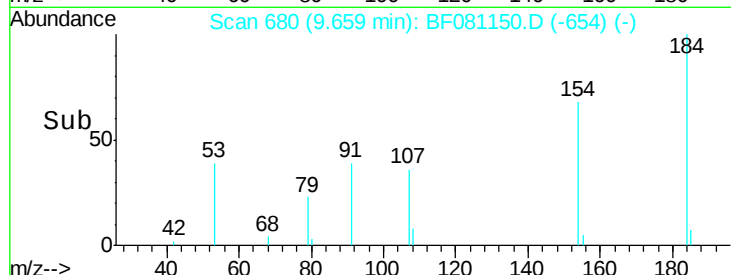
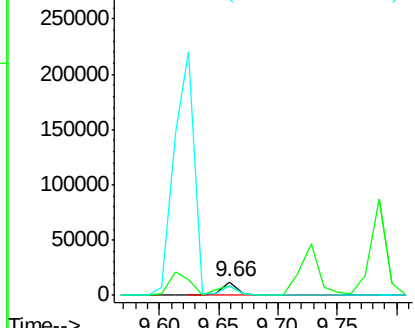
#53
 2,4-Dinitrophenol
 Concen: 15.33 ng
 RT: 9.66 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion:184 Resp: 12285
 Ion Ratio Lower Upper
 184 100
 63 67.0 101.7 152.5#
 154 68.3 67.4 101.0

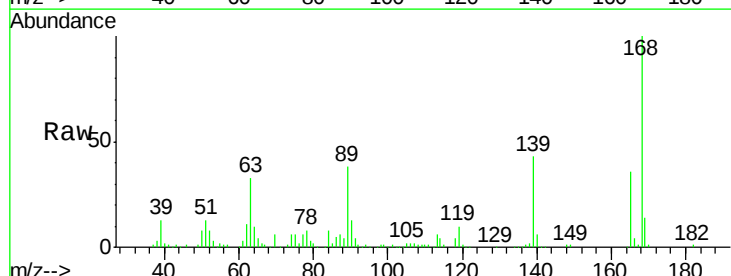


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

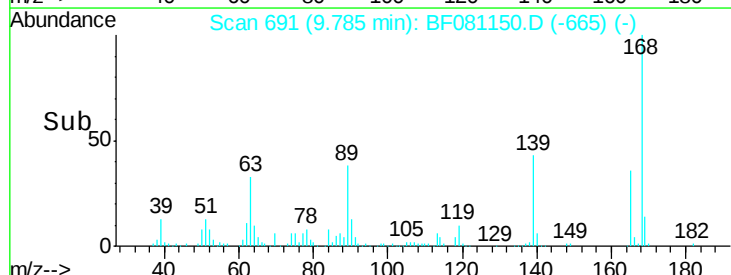
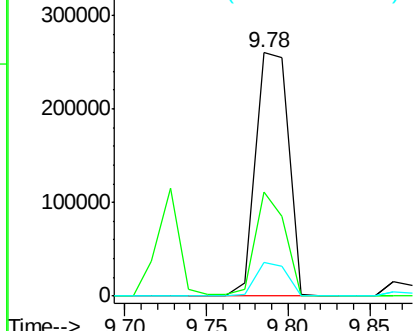


#54
 Dibenzofuran
 Concen: 31.72 ng
 RT: 9.78 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion:168 Resp: 365104
 Ion Ratio Lower Upper
 168 100
 139 42.8 29.3 43.9
 169 13.7 10.3 15.5



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

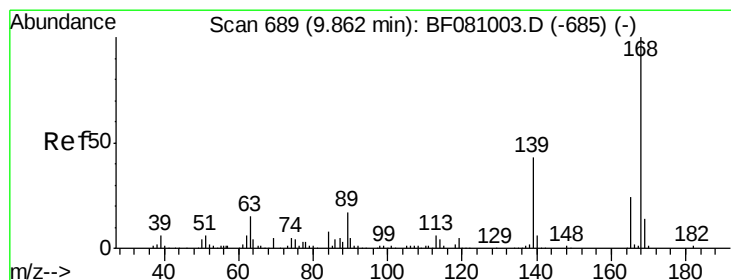
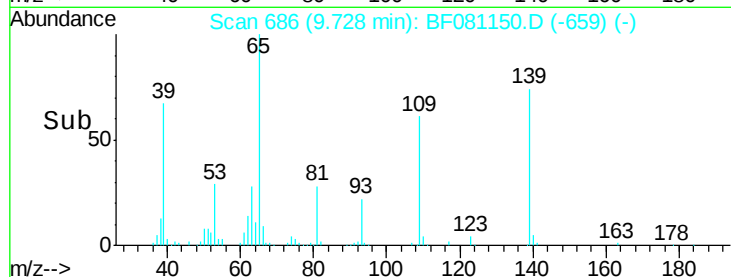
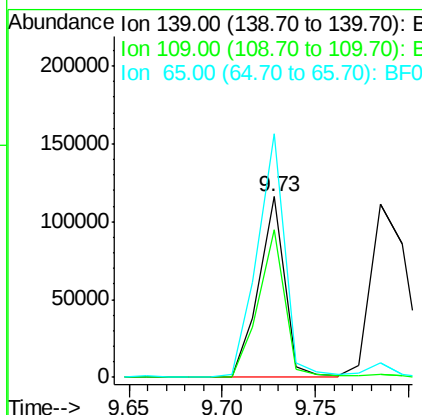
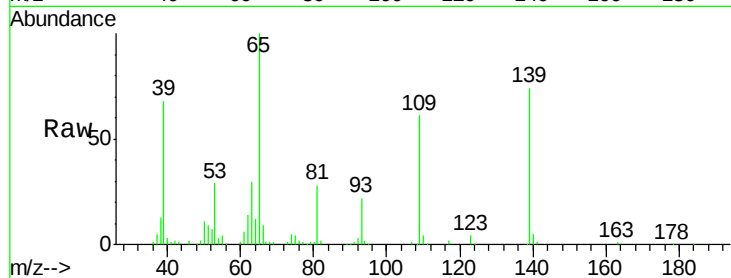




#55
4-Nitrophenol
Concen: 64.40 ng
RT: 9.73 min Scan# 686
Delta R.T. 0.01 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

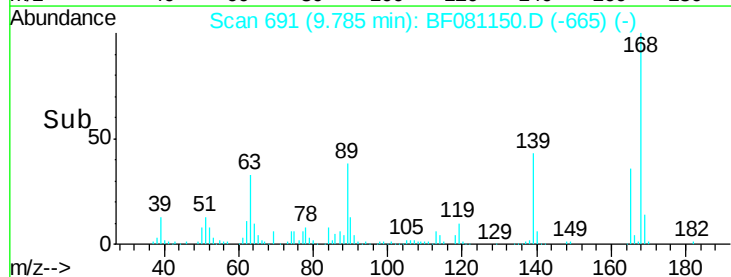
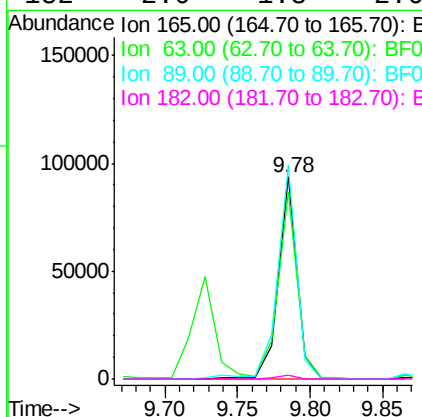
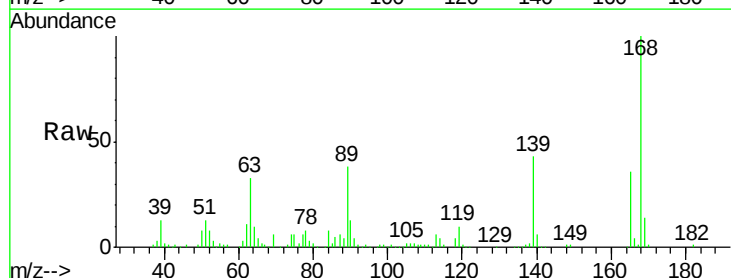
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMS

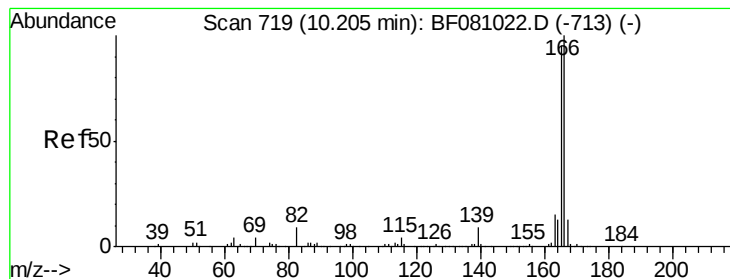
Tot Ion:139 Resp: 113449
Ion Ratio Lower Upper
139 100
109 82.0 80.0 120.0
65 134.9 138.3 178.3#



#56
2,4-Dinitrotoluene
Concen: 31.25 ng
RT: 9.78 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Tgt Ion:165 Resp: 83015
Ion Ratio Lower Upper
165 100
63 92.6 52.2 78.4#
89 105.6 60.1 90.1#
182 2.0 1.8 2.6





#57

Fluorene

Concen: 30.96 ng

RT: 10.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

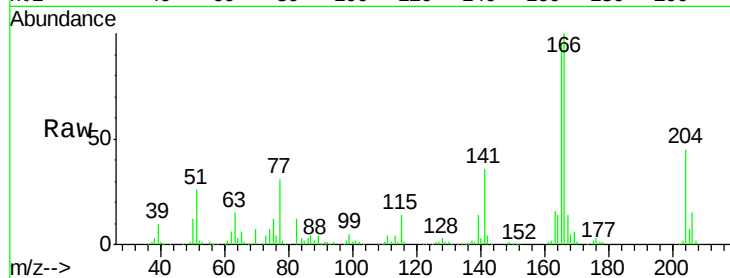
Tot Ion:166 Resp: 274123

Ion Ratio Lower Upper

166 100

165 94.7 75.8 113.8

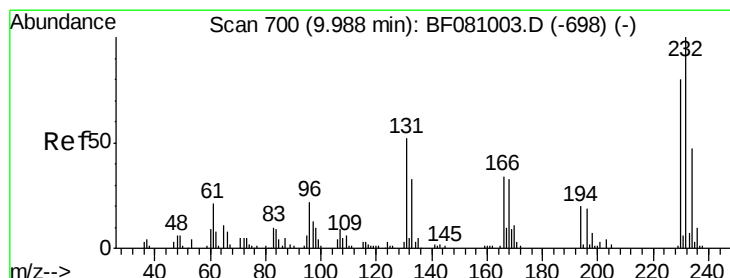
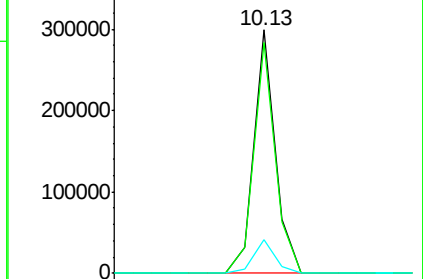
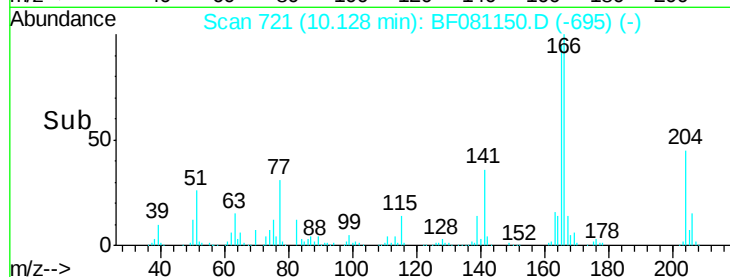
167 13.7 11.3 16.9



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: 33.41 ng

RT: 9.88 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Tgt Ion:232 Resp: 66763

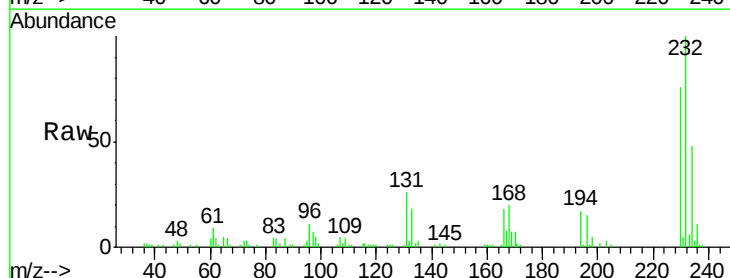
Ion Ratio Lower Upper

232 100

131 46.8 42.2 63.4

130 2.5 2.1 3.1

166 25.9 22.4 33.6

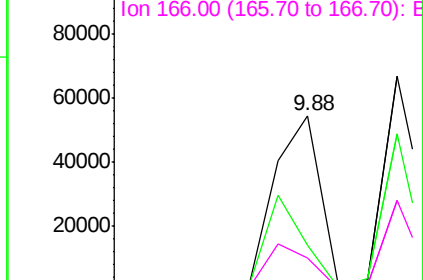
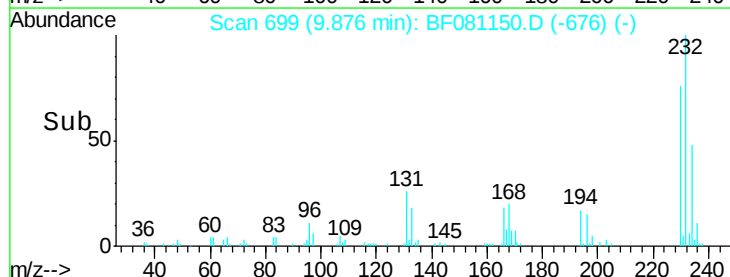


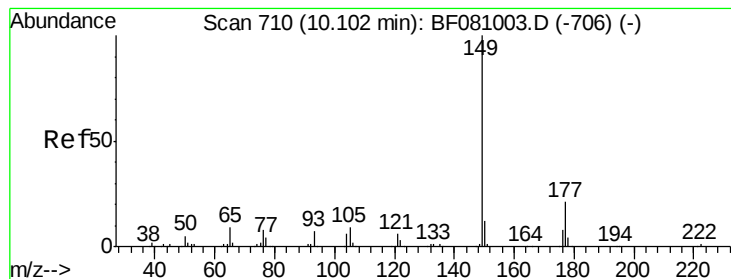
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 32.70 ng

RT: 10.02 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

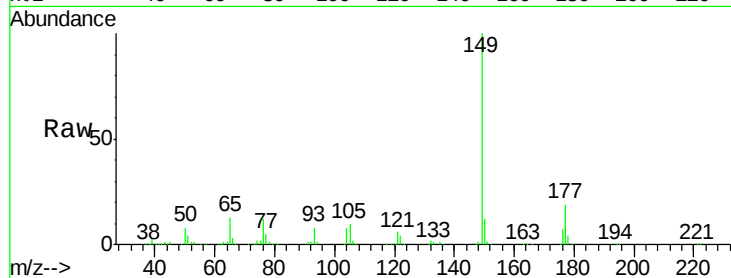
Tot Ion:149 Resp: 323104

Ion Ratio Lower Upper

149 100

177 18.8 14.1 21.1

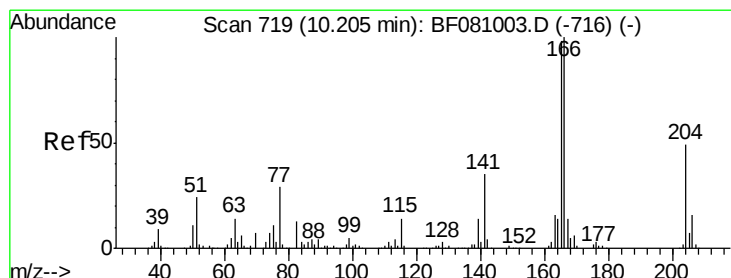
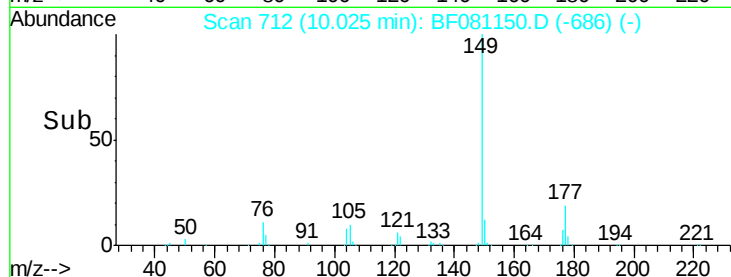
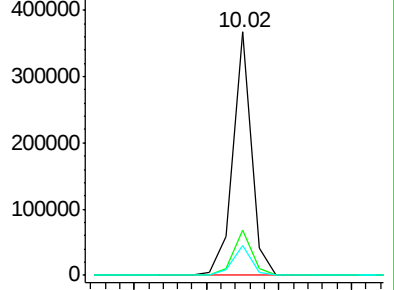
150 12.4 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 32.12 ng

RT: 10.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

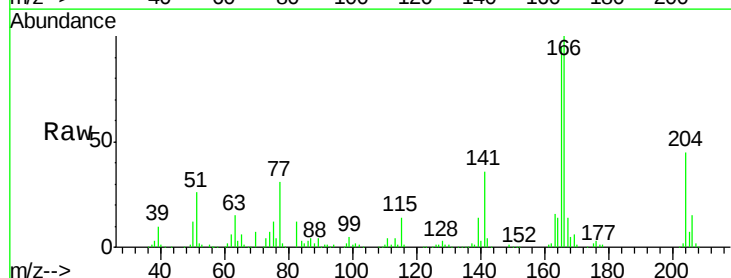
Tgt Ion:204 Resp: 120359

Ion Ratio Lower Upper

204 100

206 33.1 26.2 39.2

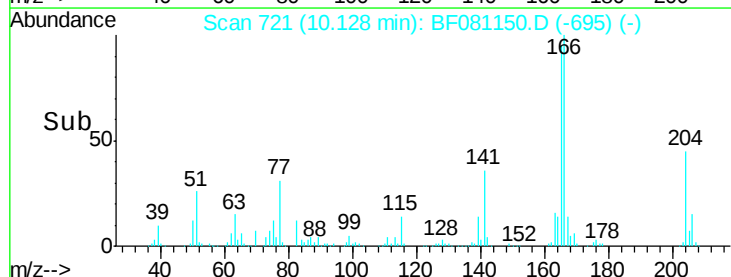
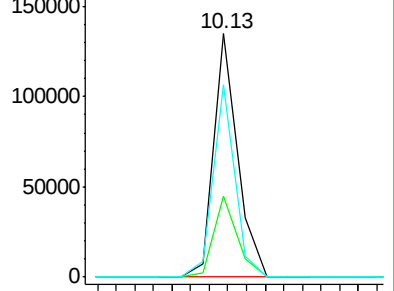
141 78.9 59.6 89.4

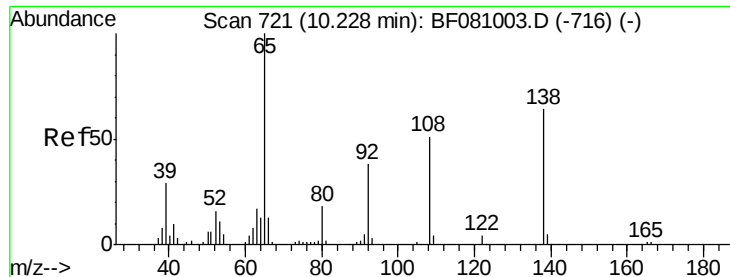


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 33.02 ng

RT: 10.16 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

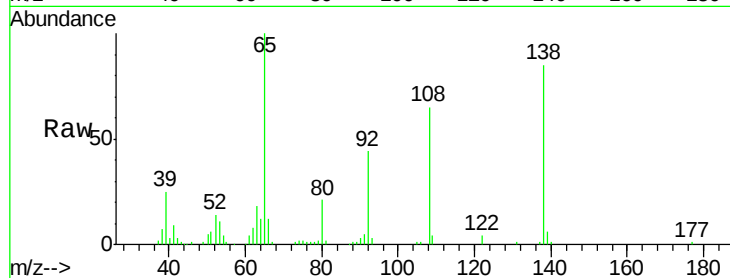
Tot Ion:138 Resp: 84650

Ion Ratio Lower Upper

138 100

92 51.7 34.7 74.7

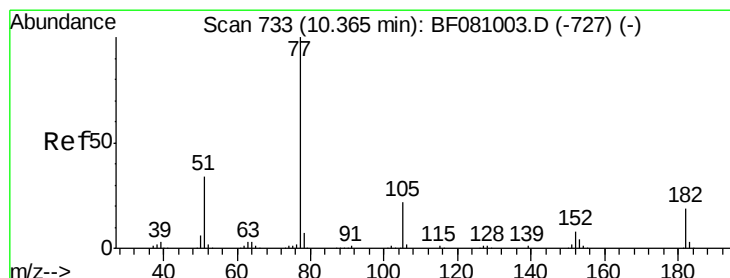
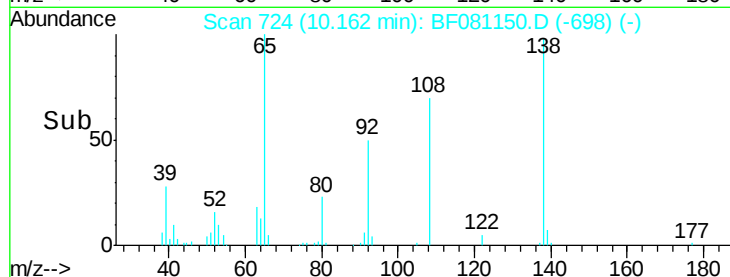
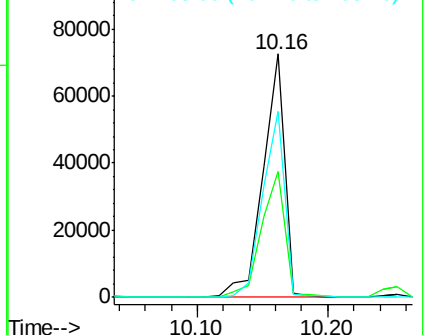
108 76.2 68.9 108.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 34.71 ng

RT: 10.29 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Tgt Ion: 77 Resp: 395150

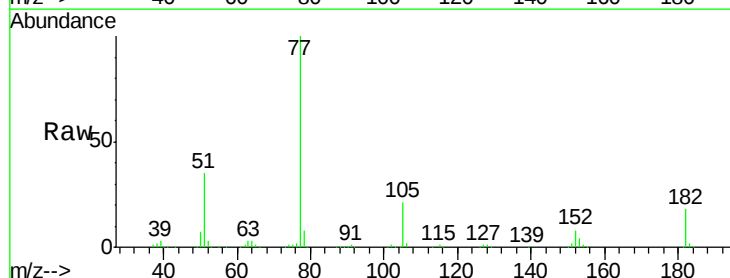
Ion Ratio Lower Upper

77 100

182 18.0 0.0 39.0

105 21.4 0.2 40.2

51 35.1 18.0 58.0

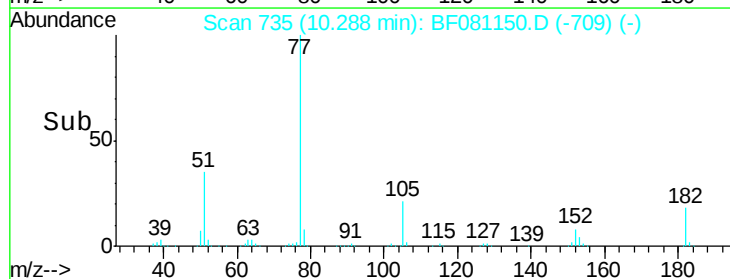
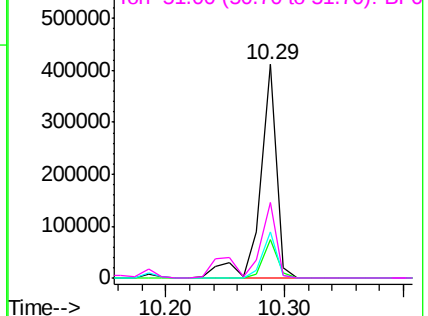


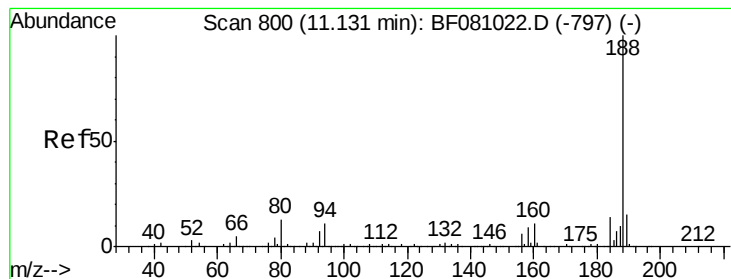
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

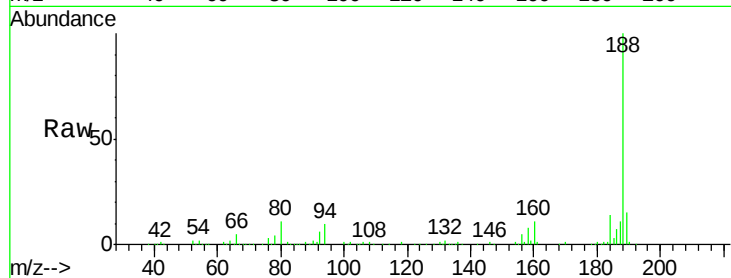
Tot Ion:188 Resp: 222721

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

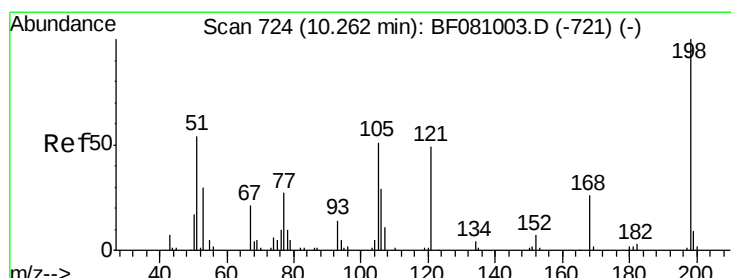
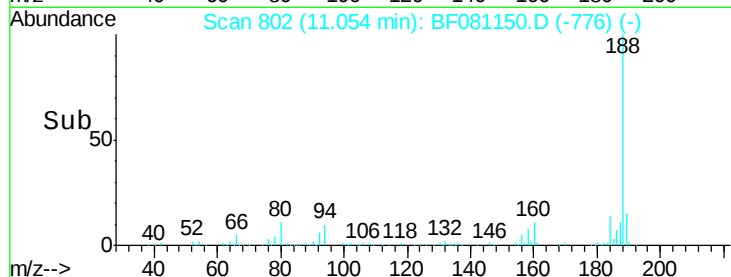
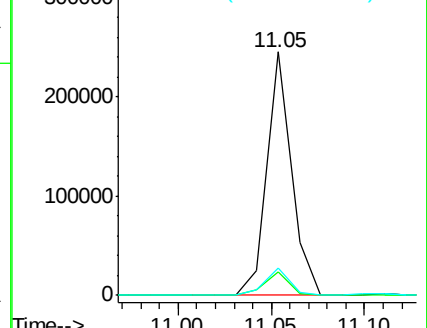
80 11.2 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 12.73 ng

RT: 10.18 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

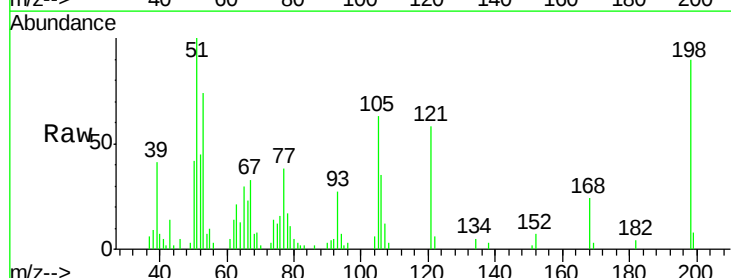
Tgt Ion:198 Resp: 16935

Ion Ratio Lower Upper

198 100

51 111.6 79.7 119.7

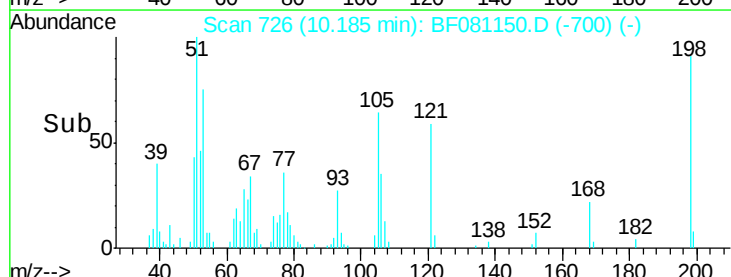
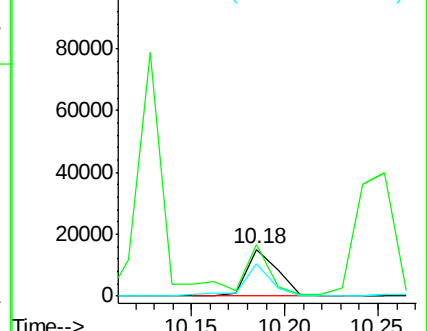
105 69.9 47.0 87.0

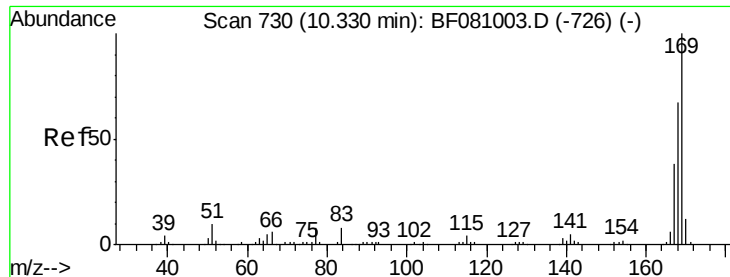


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 35.26 ng

RT: 10.25 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

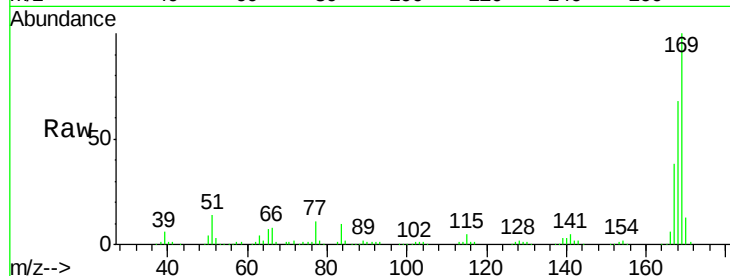
Tot Ion:169 Resp: 280315

Ion Ratio Lower Upper

169 100

168 68.4 55.3 82.9

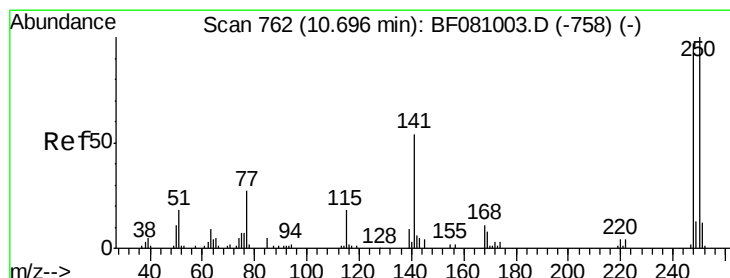
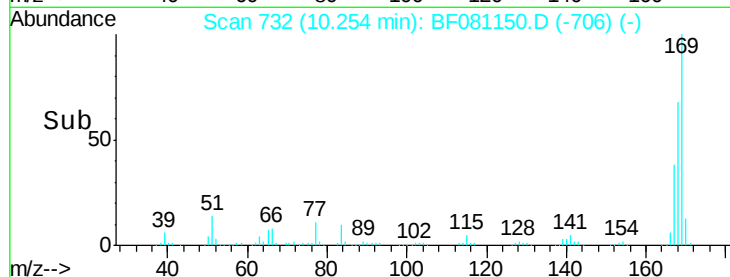
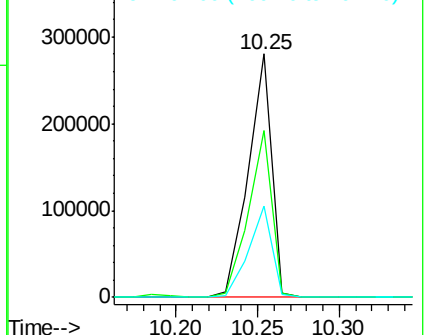
167 37.7 30.8 46.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 31.93 ng

RT: 10.62 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

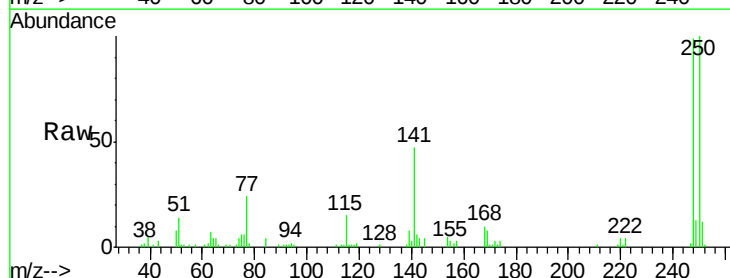
Tgt Ion:248 Resp: 69871

Ion Ratio Lower Upper

248 100

250 100.5 77.8 116.6

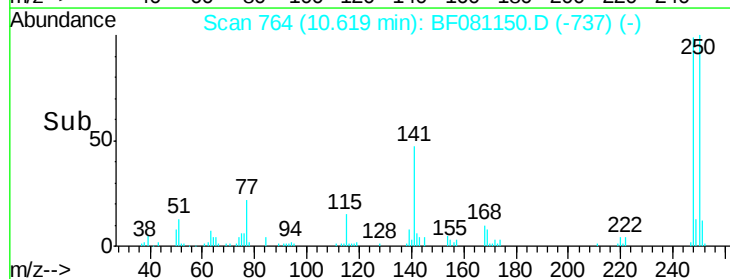
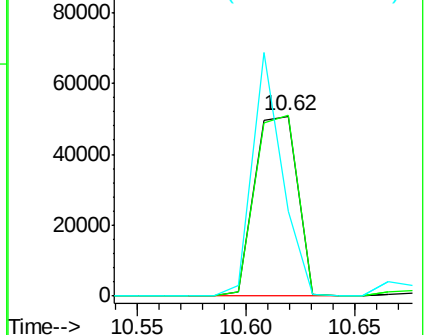
141 46.8 39.8 59.6

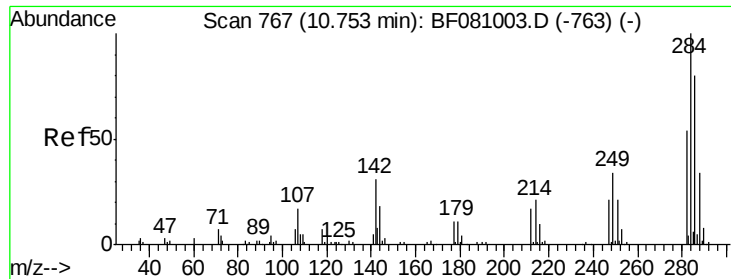


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

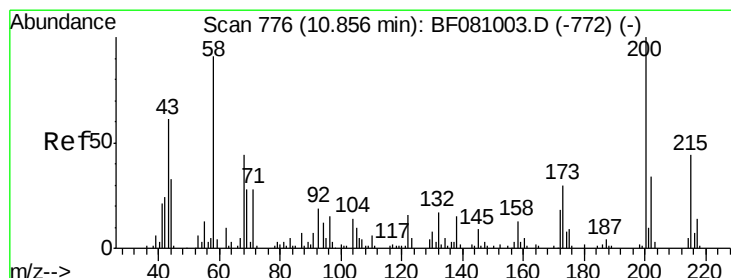
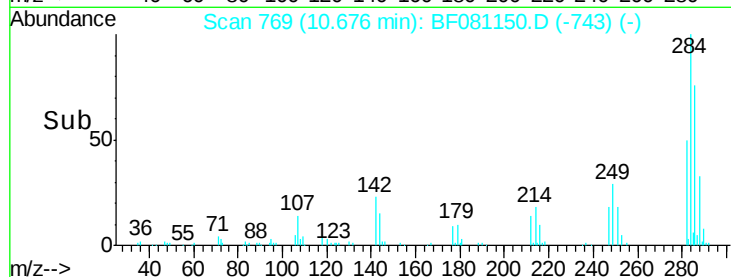
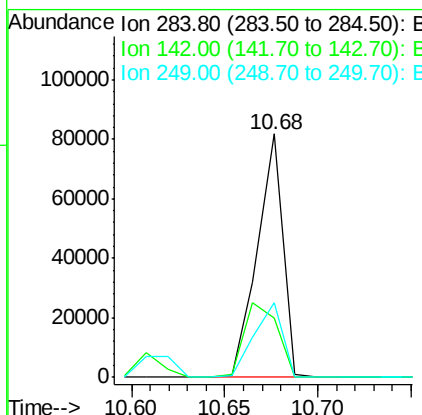
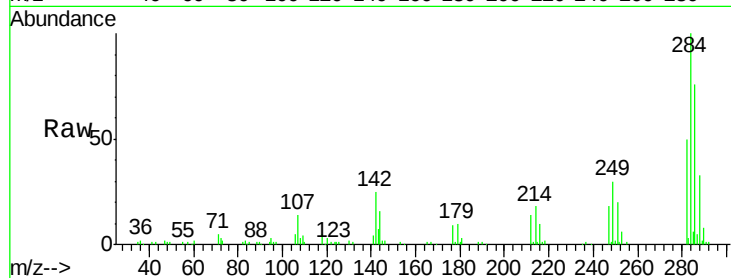




#67
Hexachlorobenzene
Concen: 35.80 ng
RT: 10.68 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

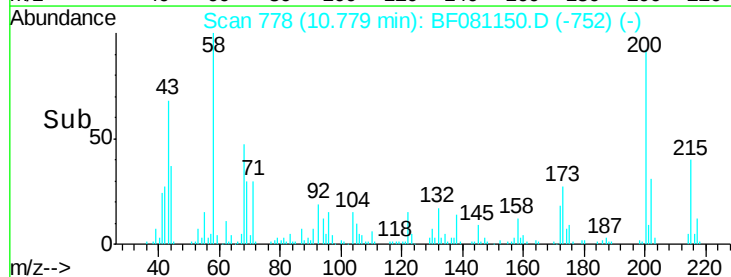
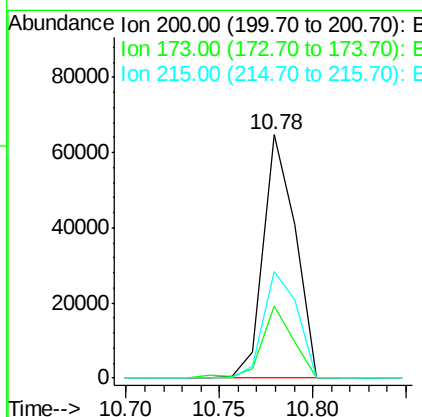
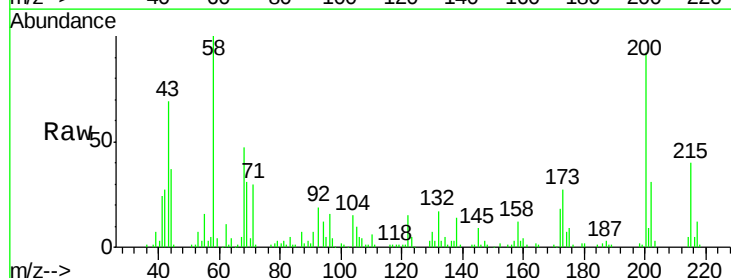
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMS

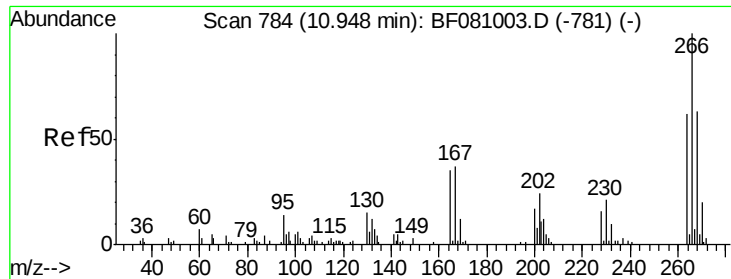
Tot Ion:284 Resp: 79320
Ion Ratio Lower Upper
284 100
142 24.5 25.4 38.0#
249 30.5 28.5 42.7



#68
Atrazine
Concen: 34.99 ng
RT: 10.78 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Tgt Ion:200 Resp: 77508
Ion Ratio Lower Upper
200 100
173 29.7 8.1 48.1
215 43.6 23.3 63.3

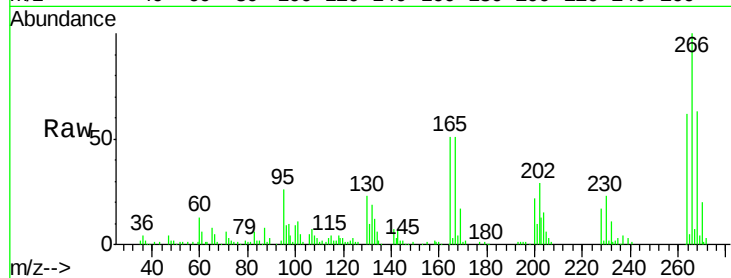




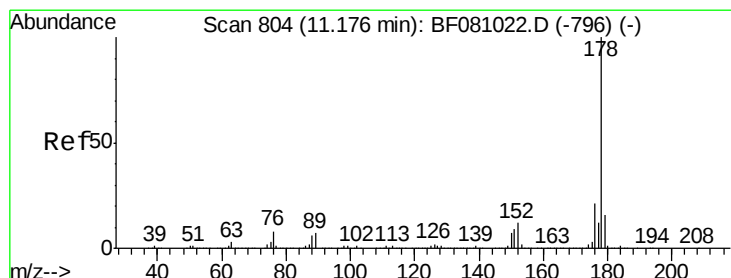
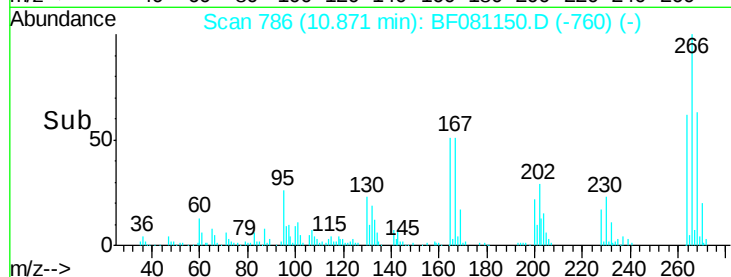
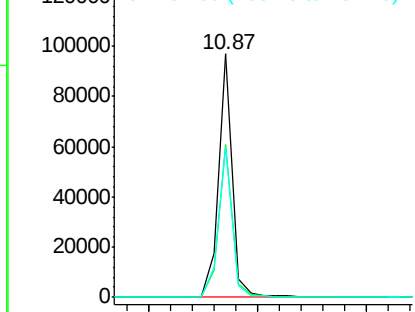
#69
 Pentachlorophenol
 Concen: 64.84 ng
 RT: 10.87 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion:266 Resp: 86207
 Ion Ratio Lower Upper
 266 100
 268 62.7 51.2 76.8
 264 61.7 50.6 75.8

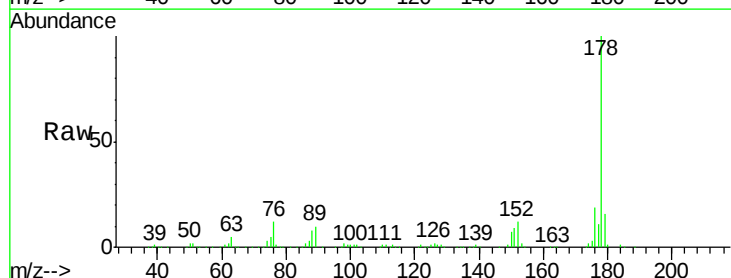


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

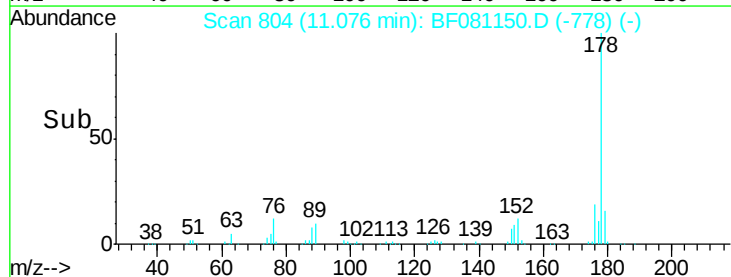
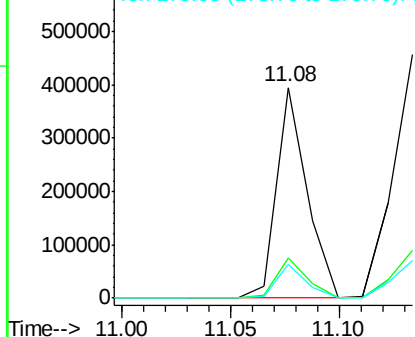


#70
 Phenanthrene
 Concen: 29.37 ng
 RT: 11.08 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion:178 Resp: 387680
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 15.9 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 34.56 ng

RT: 11.13 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

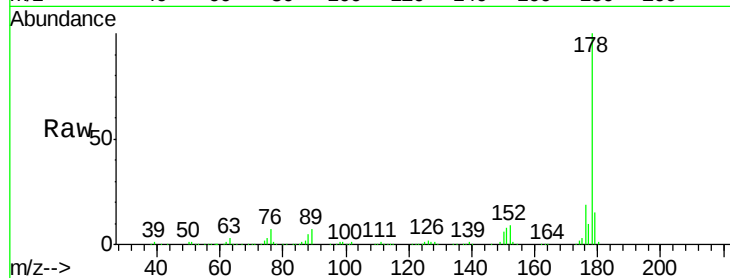
BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

Tot Ion:178 Resp: 443894

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.4	12.7	19.1

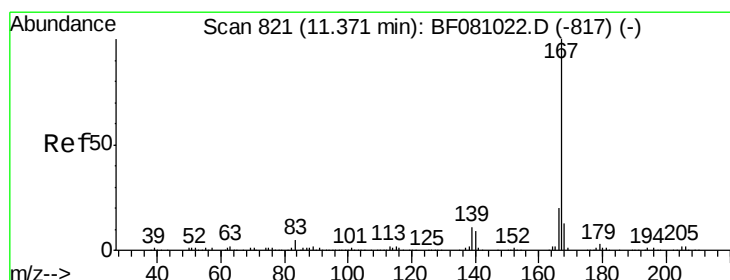
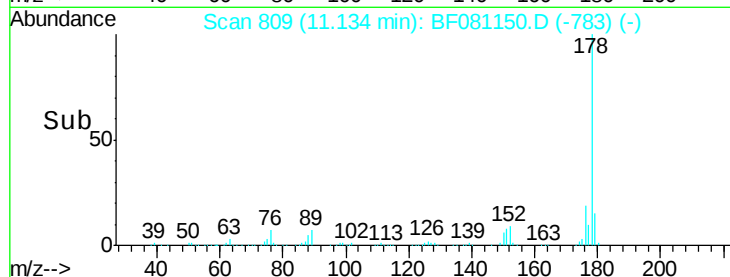
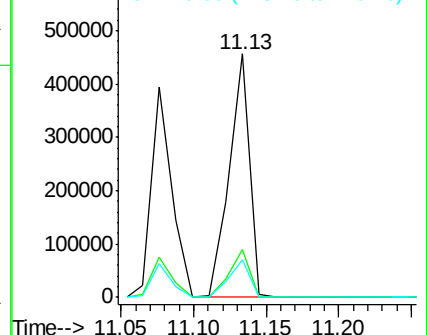


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 36.42 ng

RT: 11.29 min Scan# 823

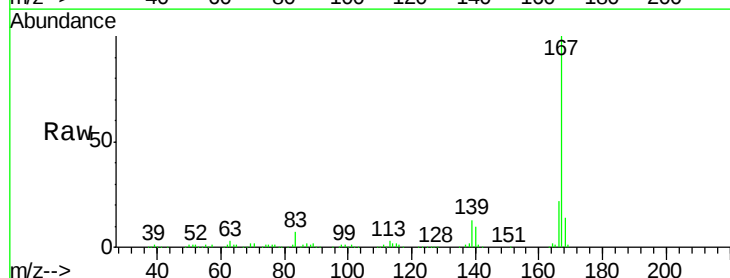
Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Tgt Ion:167 Resp: 450340

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.0
139	13.1	10.6	16.0

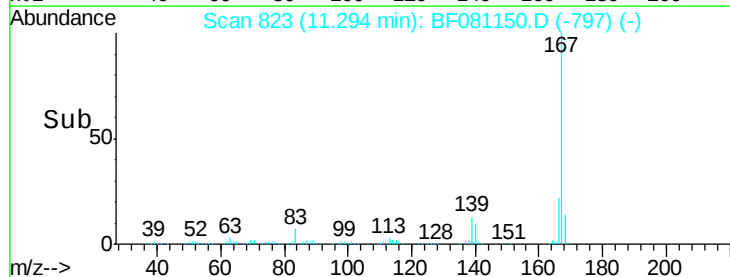
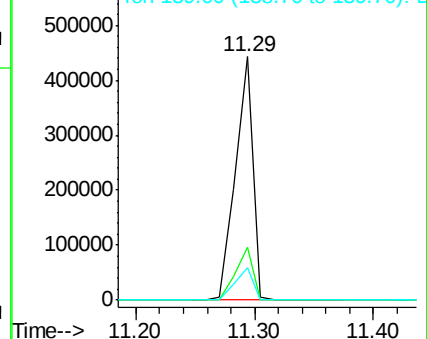


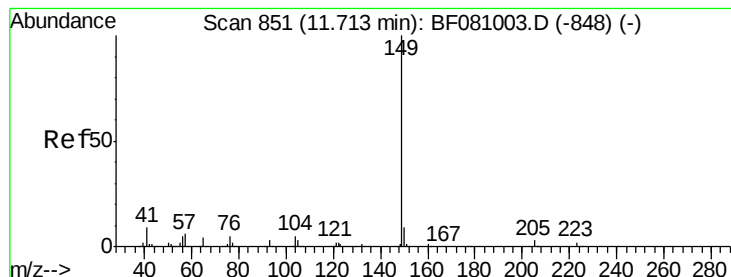
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 35.34 ng

RT: 11.64 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

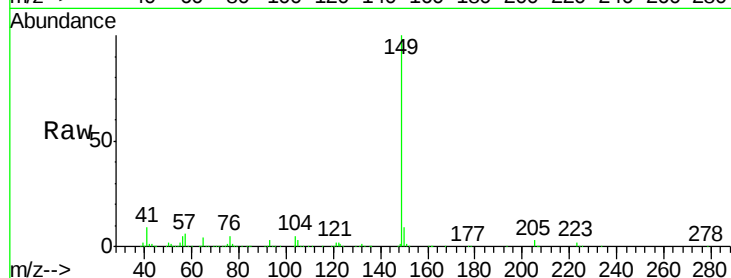
Tot Ion:149 Resp: 528771

Ion Ratio Lower Upper

149 100

150 9.5 7.1 10.7

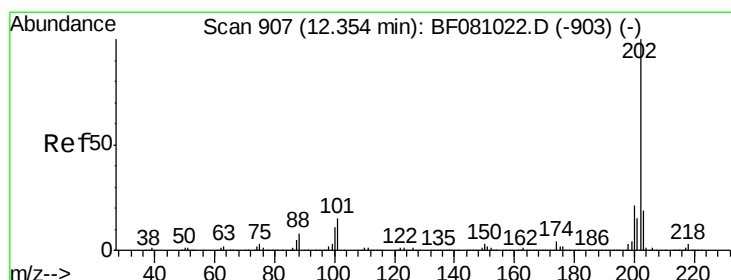
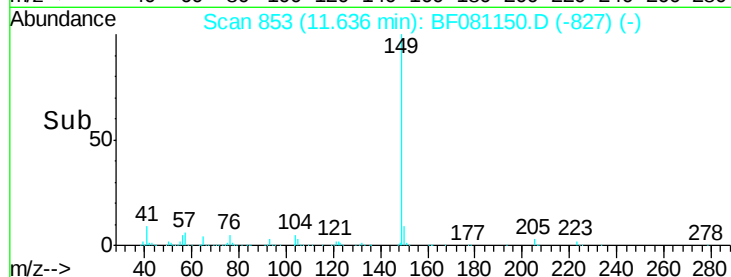
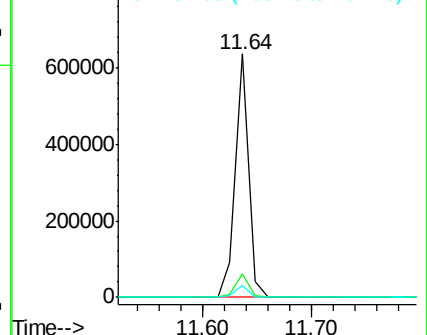
104 5.2 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 31.81 ng

RT: 12.25 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

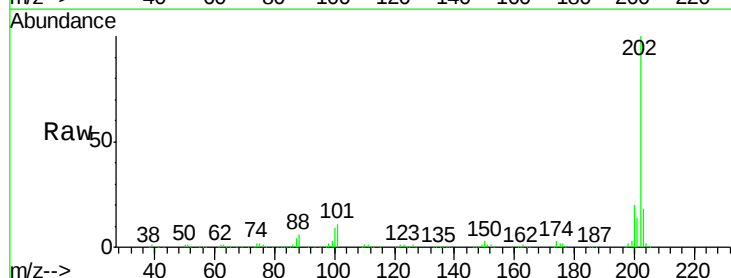
Tgt Ion:202 Resp: 453106

Ion Ratio Lower Upper

202 100

101 11.3 0.0 24.8

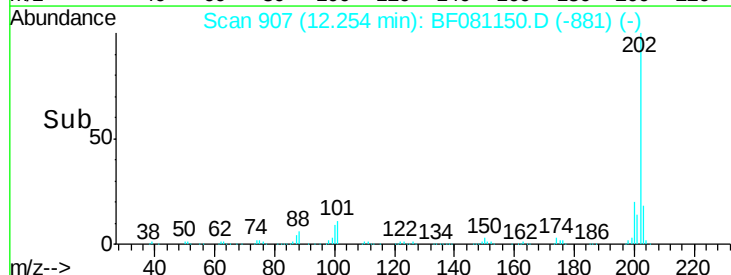
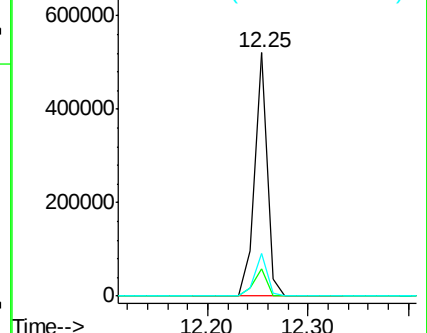
203 17.6 0.0 36.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

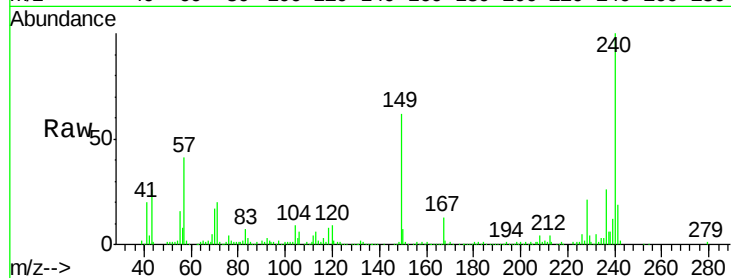
Tot Ion:240 Resp: 162705

Ion Ratio Lower Upper

240 100

120 8.9 5.6 8.4#

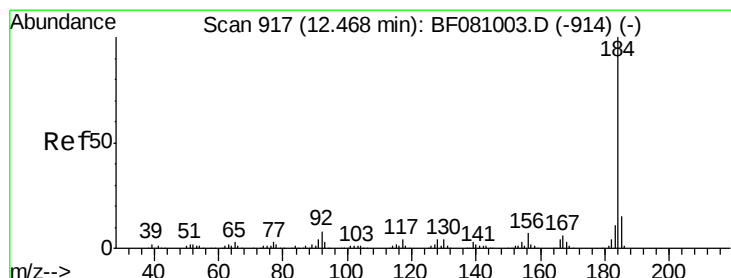
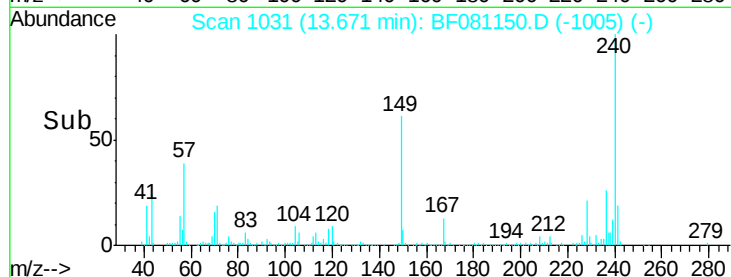
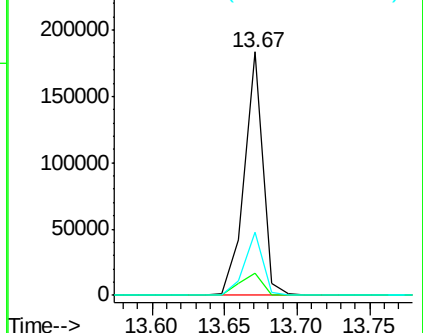
236 25.8 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 25.60 ng

RT: 12.39 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

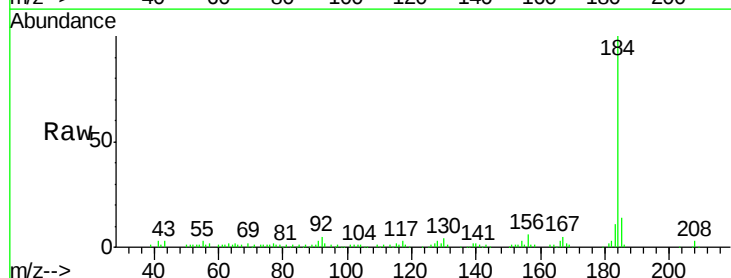
Tgt Ion:184 Resp: 157373

Ion Ratio Lower Upper

184 100

185 13.8 12.0 18.0

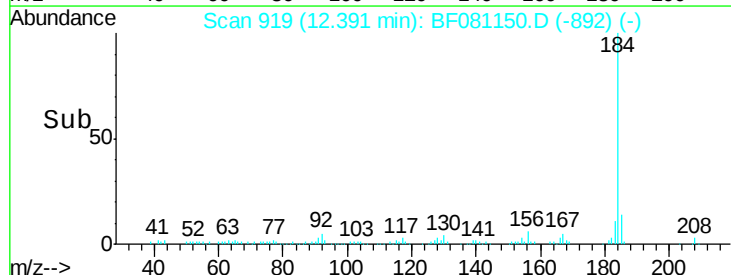
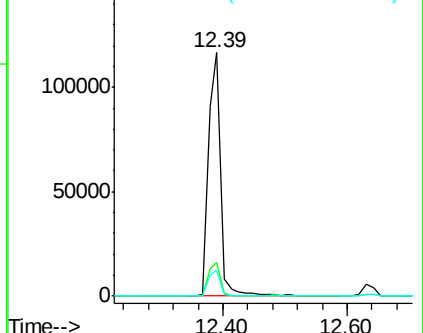
183 10.7 8.9 13.3

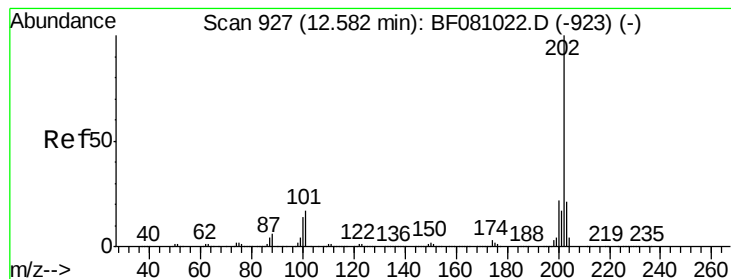


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 36.82 ng

RT: 12.48 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

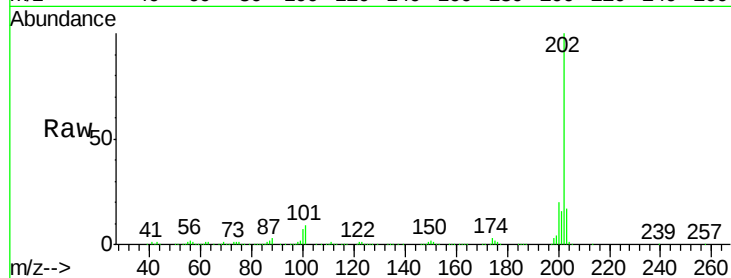
Tot Ion:202 Resp: 486986

Ion Ratio Lower Upper

202 100

200 20.1 16.6 24.8

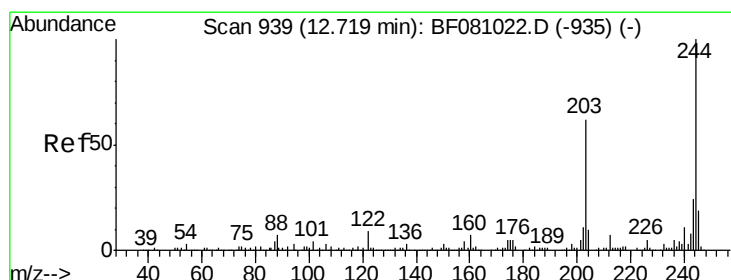
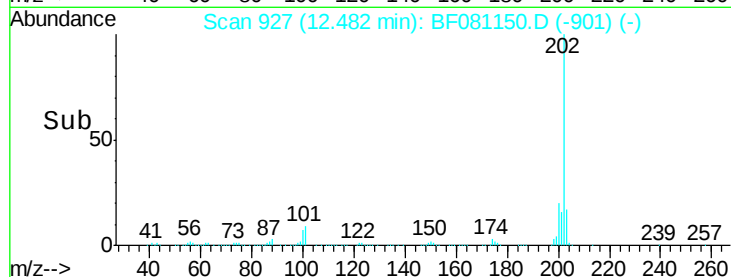
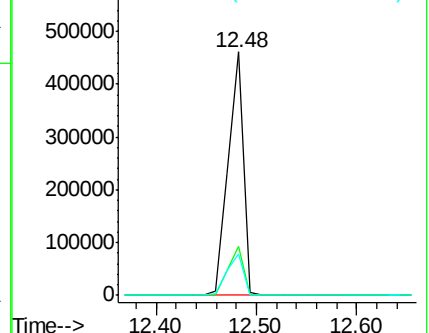
203 17.2 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 63.54 ng

RT: 12.63 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

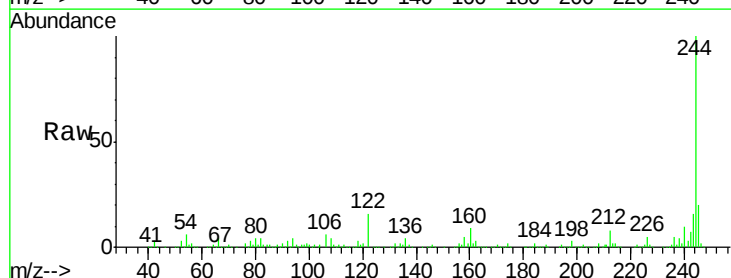
Tgt Ion:244 Resp: 482243

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

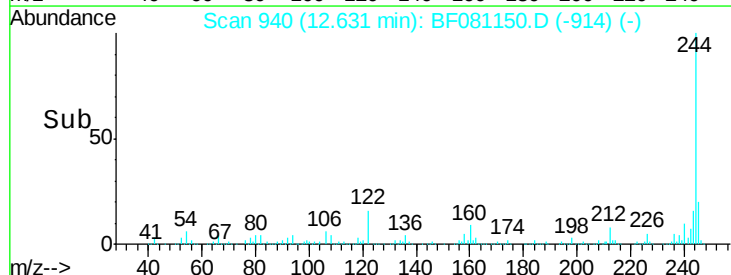
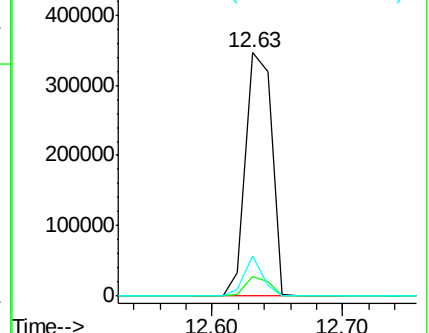
122 16.5 8.2 12.4#

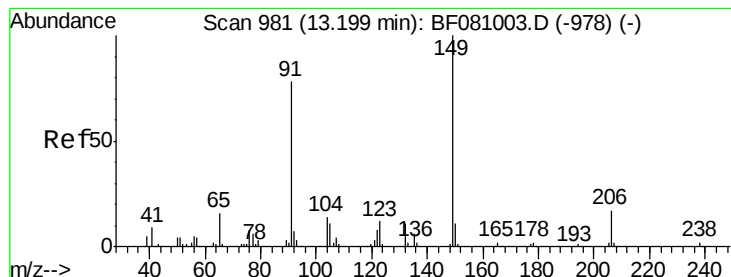


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 37.26 ng

RT: 13.11 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

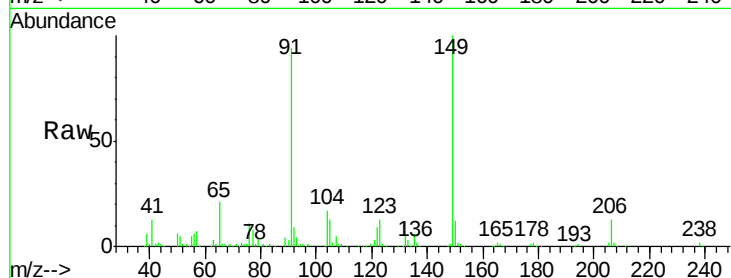
Tot Ion:149 Resp: 211863

Ion Ratio Lower Upper

149 100

91 94.5 46.9 70.3#

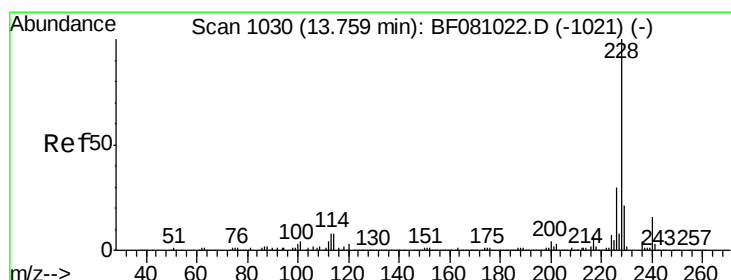
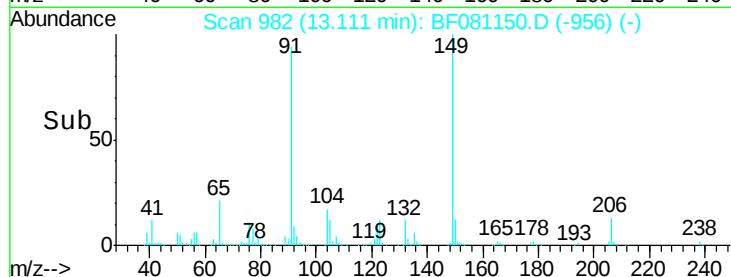
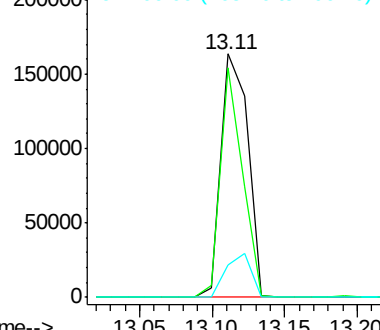
206 13.3 17.0 25.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 30.60 ng

RT: 13.66 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

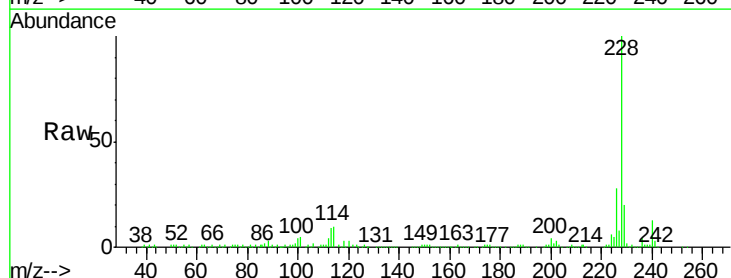
Tgt Ion:228 Resp: 333926

Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

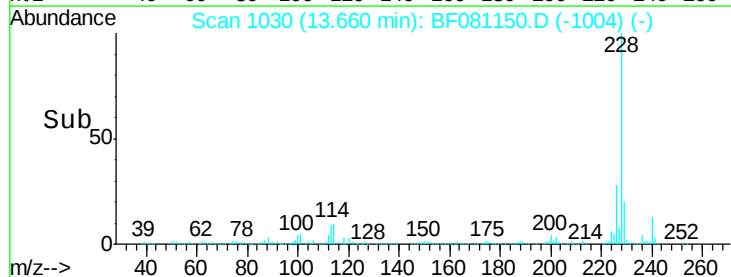
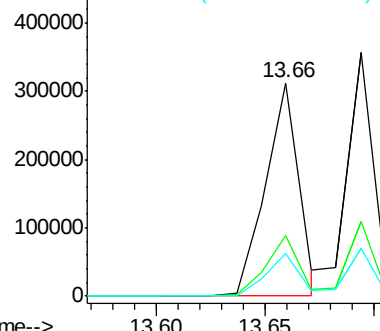
229 20.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

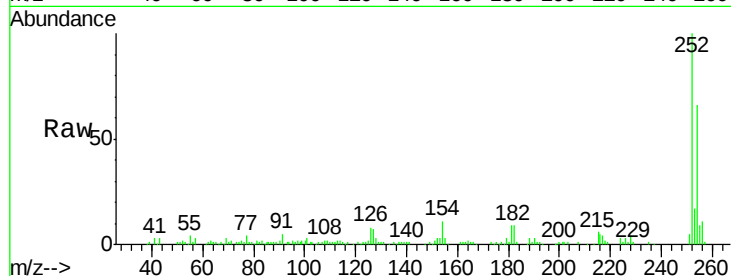




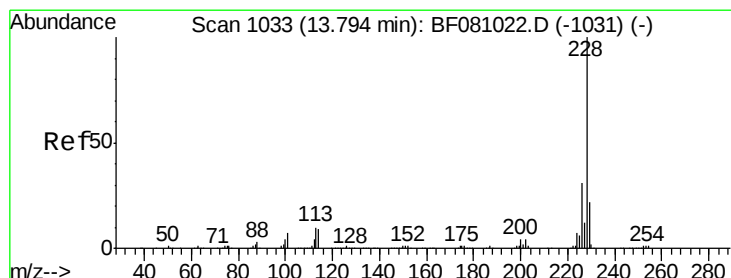
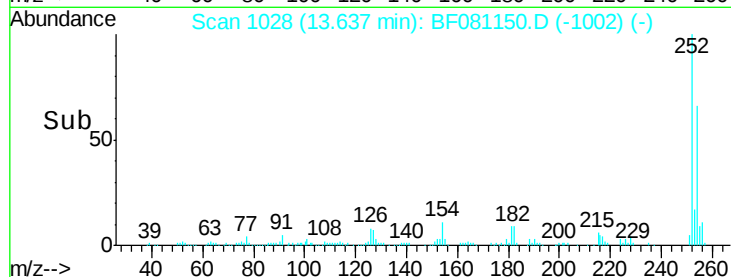
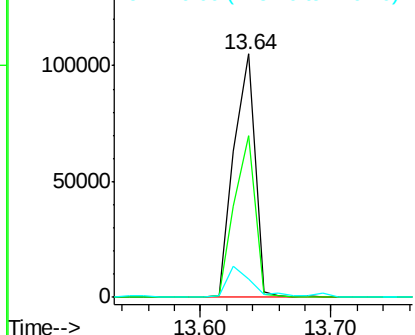
#81
 3,3'-Dichlorobenzidine
 Concen: 33.71 ng
 RT: 13.64 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-1AMS

Tot Ion:252 Resp: 119154
 Ion Ratio Lower Upper
 252 100
 254 66.3 51.5 77.3
 126 7.5 12.5 18.7#

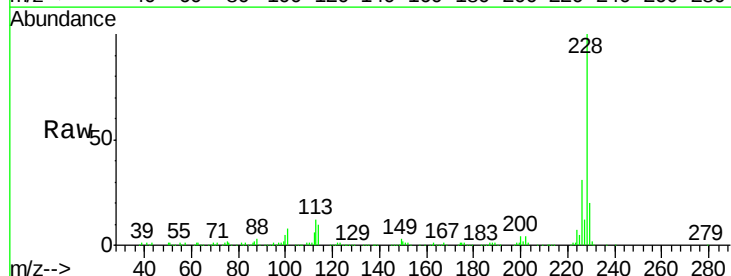


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

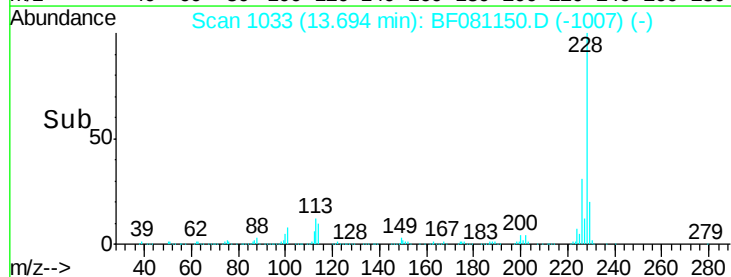
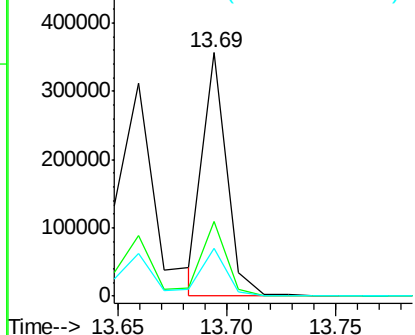


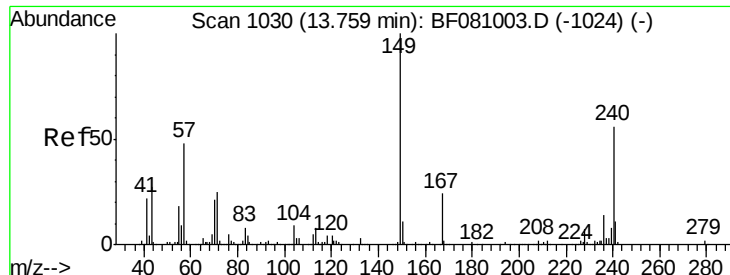
#82
 Chrysene
 Concen: 27.46 ng
 RT: 13.69 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BF081150.D
 Acq: 21 Aug 2015 17:39

Tgt Ion:228 Resp: 270029
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.4 36.6
 229 19.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.78 ng

RT: 13.68 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

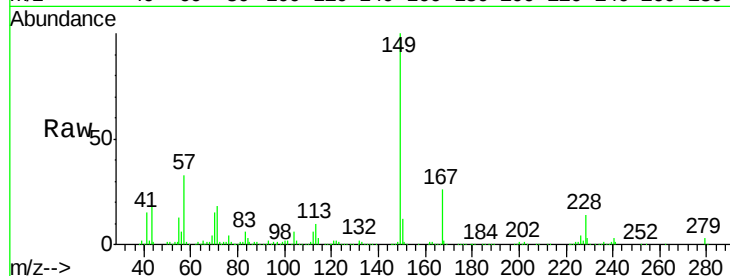
Tot Ion:149 Resp: 296982

Ion Ratio Lower Upper

149 100

167 26.0 20.7 31.1

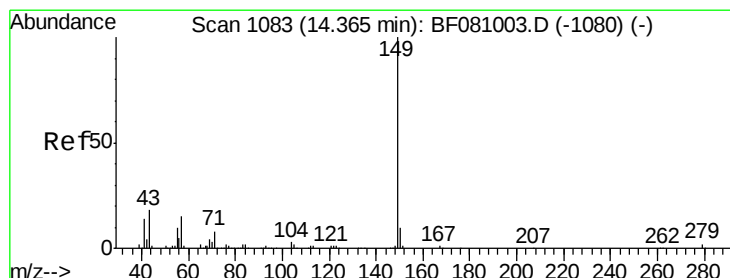
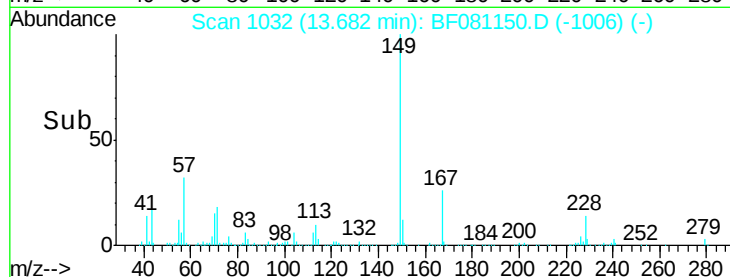
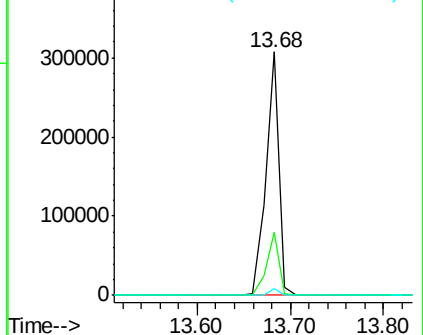
279 2.7 2.2 3.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.85 ng

RT: 14.29 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

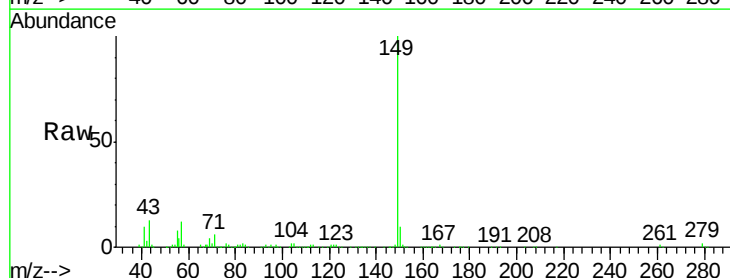
Tgt Ion:149 Resp: 485333

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7#

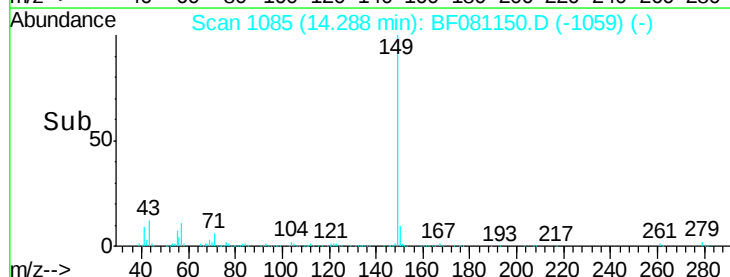
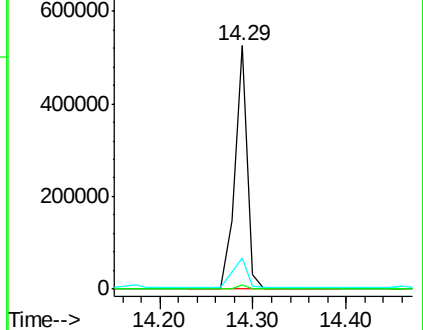
43 14.8 11.6 17.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

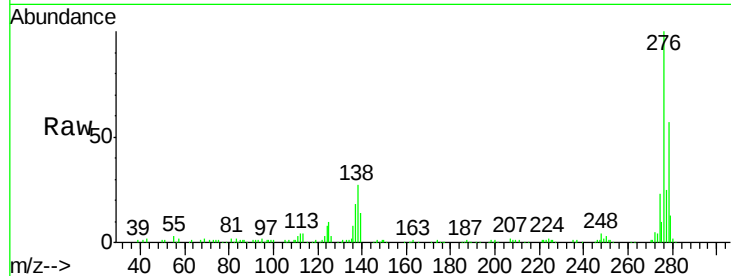




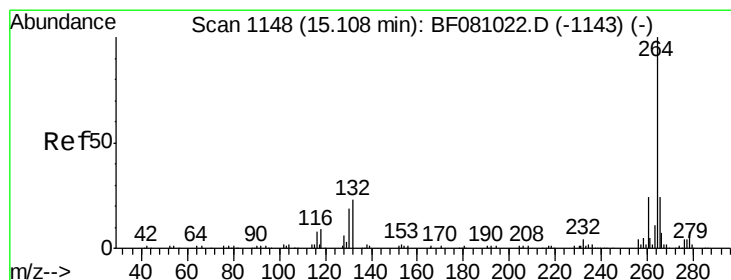
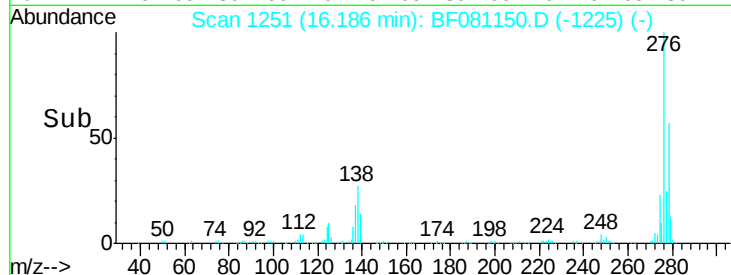
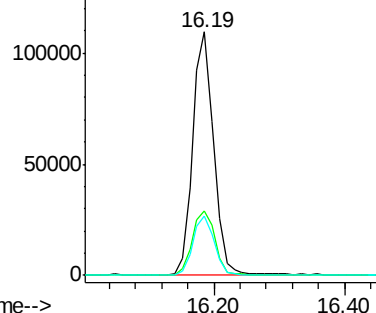
#85
Indeno(1,2,3-cd)pyrene
Concen: 35.72 ng
RT: 16.19 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMS

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	18.6	28.0#
277	24.7	19.8	29.8

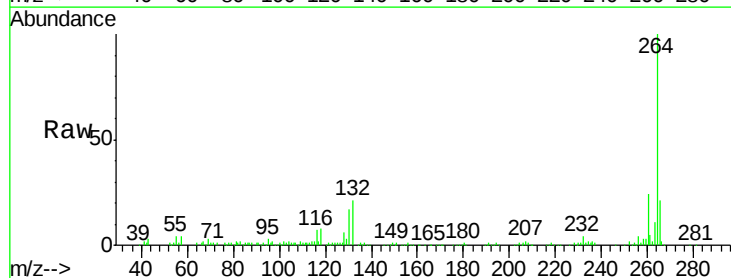


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

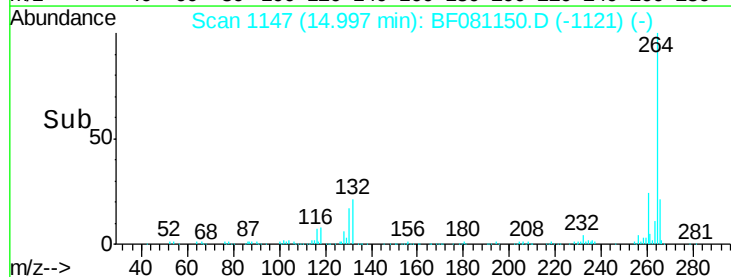
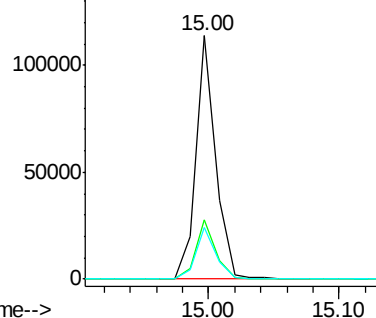


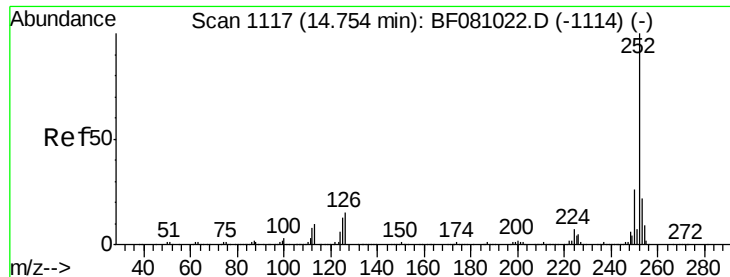
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.00 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.3	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 65.58 ng

RT: 14.68 min Scan# 1119

Delta R.T. 0.02 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

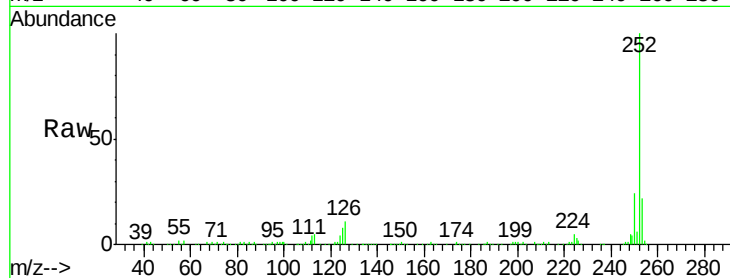
Tot Ion:252 Resp: 556267

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

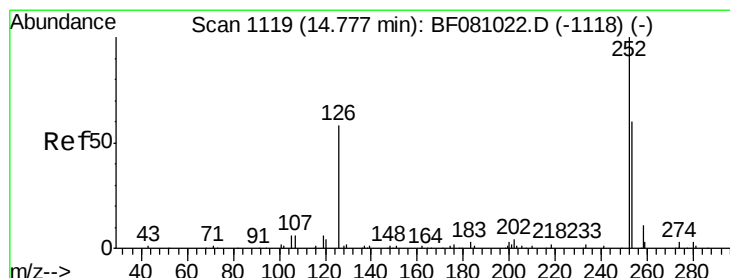
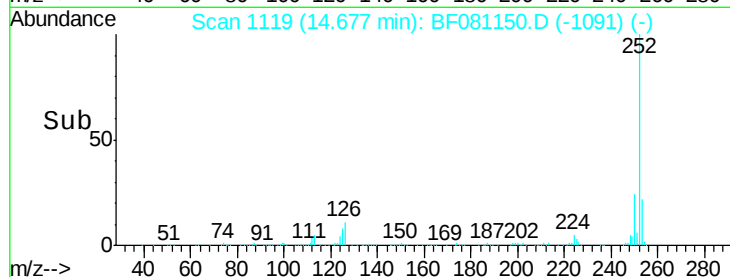
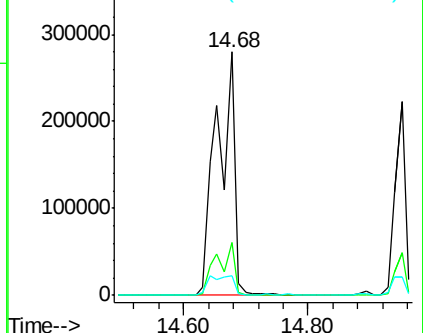
125 8.1 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 70.38 ng

RT: 14.68 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

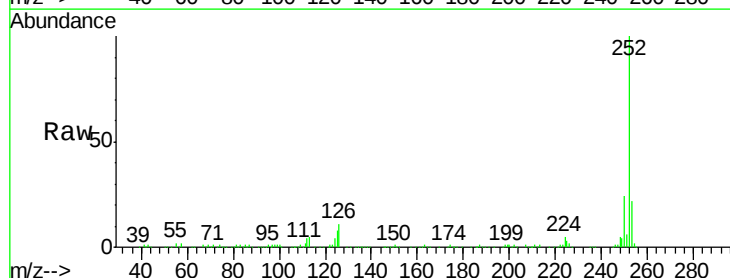
Tgt Ion:252 Resp: 556267

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

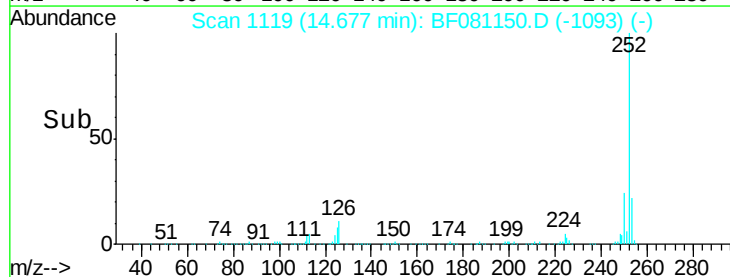
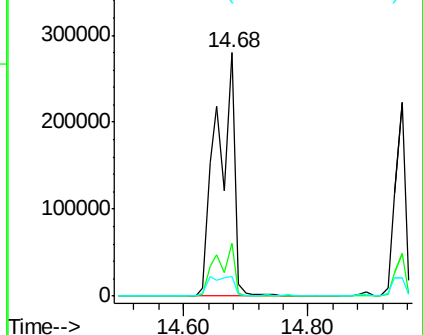
125 8.1 10.3 15.5#

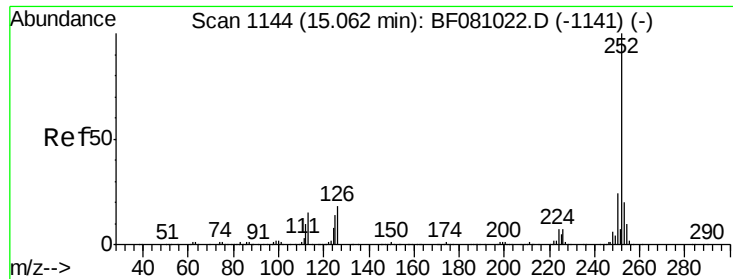


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

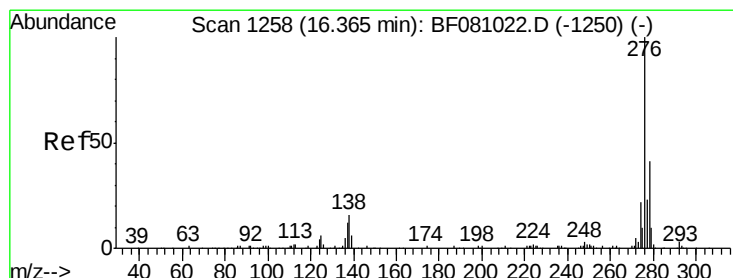
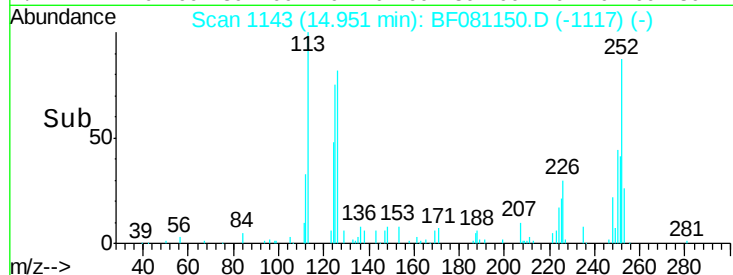
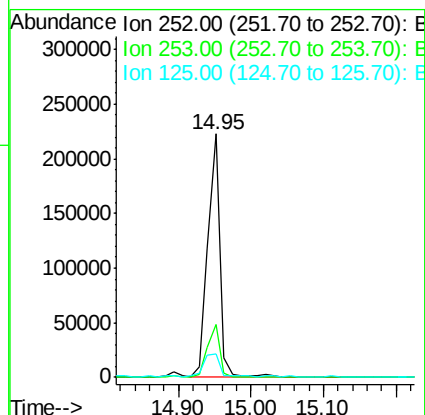
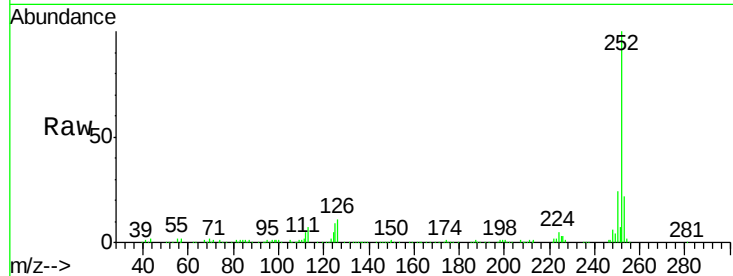




#89
Benzo(a)pyrene
Concen: 35.53 ng
RT: 14.95 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

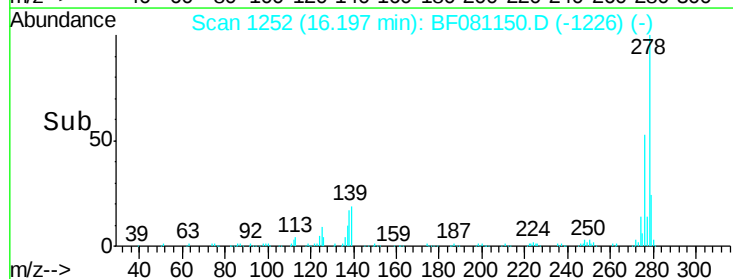
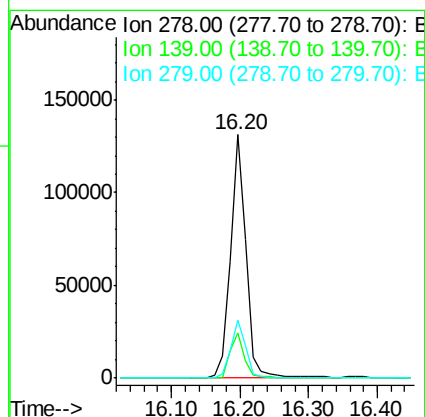
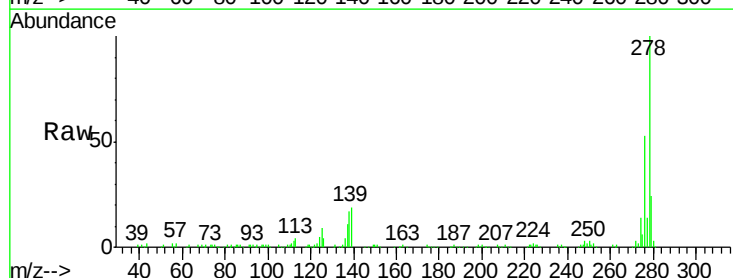
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-1AMS

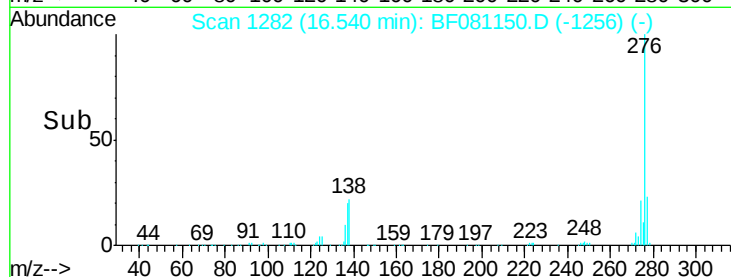
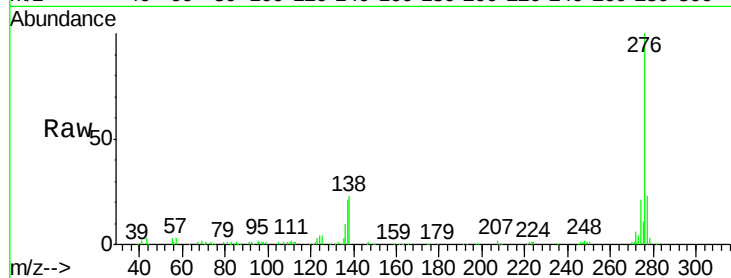
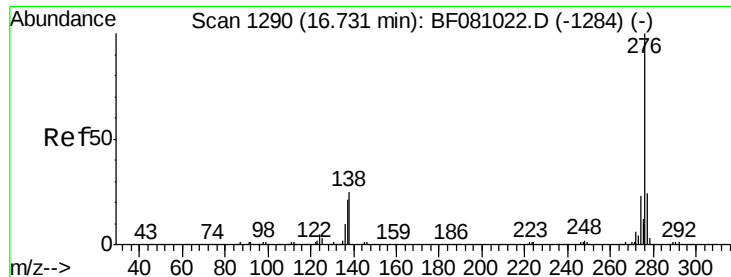
Tot Ion:252 Resp: 262634
Ion Ratio Lower Upper
252 100
253 21.7 16.6 25.0
125 9.5 7.8 11.8



#90
Dibenzo(a,h)anthracene
Concen: 36.68 ng
RT: 16.20 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BF081150.D
Acq: 21 Aug 2015 17:39

Tgt Ion:278 Resp: 211231
Ion Ratio Lower Upper
278 100
139 18.8 10.8 16.2#
279 23.7 19.0 28.6





#91

Benzo(a,h,i)perylene

Concen: 33.52 ng

RT: 16.54 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF081150.D

Acq: 21 Aug 2015 17:39

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-1AMS

Tot Ion:276 Resp: 195881

Ion Ratio Lower Upper

276 100

277 22.6 18.2 27.2

138 22.7 13.7 20.5#

