

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086885.D
 Acq On : 11 May 2016 7:07
 Operator : UM/SJ
 Sample : H2916-07MSD
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Quant Time: May 11 07:56:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	140073	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	542663	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	220833	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	344268	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	256474	20.00	ng	-0.01
86) Perylene-d12	15.20	264	230601	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1070480	129.42	ng	0.00
7) Phenol-d6	6.35	99	1411603	127.70	ng	-0.01
23) Nitrobenzene-d5	7.26	82	1012970	93.73	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	251231	107.46	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1278336	97.29	ng	0.00
78) Terphenyl-d14	12.79	244	938744	77.66	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.24	88	149213	36.75	ng	# 68
3) Pyridine	2.90	79	452917	45.63	ng	# 62
4) n-Nitrosodimethylamine	2.86	42	343917	47.78	ng	# 51
6) Aniline	6.36	93	203955	15.26	ng	# 1
8) 2-Chlorophenol	6.48	128	416947	41.78	ng	83
9) Benzaldehyde	6.24	77	42623	6.66	ng	98
10) Phenol	6.37	94	447277	34.04	ng	92
11) bis(2-Chloroethyl)ether	6.43	93	450060	43.93	ng	88
12) 1,3-Dichlorobenzene	6.62	146	470304	43.54	ng	97
13) 1,4-Dichlorobenzene	6.70	146	479038	43.49	ng	97
14) 1,2-Dichlorobenzene	6.85	146	395471	41.20	ng	95
15) Benzyl Alcohol	6.85	79	362112	47.44	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.98	45	960225	43.11	ng	70
17) 2-Methylphenol	6.98	107	331736	41.77	ng	# 77
18) Hexachloroethane	7.20	117	177370	42.80	ng	# 92
19) n-Nitroso-di-n-propylamine	7.12	70	329884	42.70	ng	# 65
20) 3+4-Methylphenols	7.14	107	448051	43.20	ng	# 60
22) Acetophenone	7.10	105	614191	47.92	ng	# 96
24) Nitrobenzene	7.28	77	454501	40.88	ng	93
25) Isophorone	7.53	82	861380	42.96	ng	# 89
26) 2-Nitrophenol	7.60	139	224033	45.84	ng	# 79
27) 2,4-Dimethylphenol	7.65	122	346469	41.62	ng	89
28) bis(2-Chloroethoxy)methane	7.73	93	494094	45.68	ng	# 98
29) 2,4-Dichlorophenol	7.86	162	310005	42.31	ng	93
30) 1,2,4-Trichlorobenzene	7.92	180	365987	44.67	ng	97
31) Naphthalene	8.00	128	1219958	44.88	ng	99
32) Benzoic acid	7.65	122	346469	70.87	ng	# 23
33) 4-Chloroaniline	8.06	127	88380	8.37	ng	# 94
34) Hexachlorobutadiene	8.11	225	201811	42.46	ng	98
35) Caprolactam	8.43	113	90918	36.47	ng	# 59
36) 4-Chloro-3-methylphenol	8.56	107	307684	34.63	ng	85
37) 2-Methylnaphthalene	8.68	142	698480	43.96	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	332508	51.79	ng	98
40) Hexachlorocyclopentadiene	8.84	237	177104	58.11	ng	93

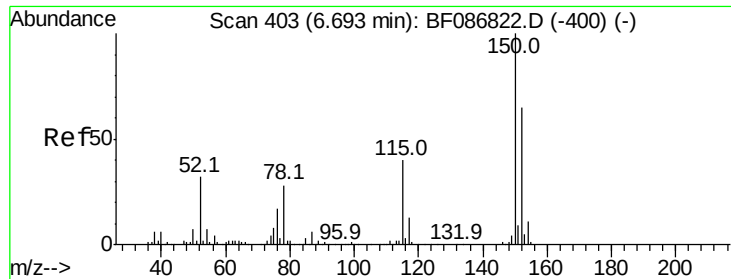
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	194146	45.22	nq	94
43) 2,4,5-Trichlorophenol	9.02	196	198043	44.60	nq #	91
45) 1,1'-Biphenyl	9.15	154	855714	48.72	nq	97
46) 2-Chloronaphthalene	9.17	162	644361	46.82	nq	95
47) 2-Nitroaniline	9.29	65	210296	41.81	nq	94
48) Acenaphthylene	9.58	152	939945	46.44	nq	99
49) Dimethylphthalate	9.46	163	903269	53.61	nq	99
50) 2,6-Dinitrotoluene	9.53	165	162071	45.71	nq #	72
51) Acenaphthene	9.76	154	600581	47.70	nq	99
52) 3-Nitroaniline	9.70	138	88047	23.59	nq	93
53) 2,4-Dinitrophenol	9.80	184	42701	28.99	nq #	79
54) Dibenzofuran	9.93	168	789125	48.82	nq	94
55) 4-Nitrophenol	9.88	139	154392	63.05	nq #	63
56) 2,4-Dinitrotoluene	9.93	165	197394	44.99	nq #	87
57) Fluorene	10.27	166	652540	47.34	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.05	232	151063	45.19	nq	98
59) Diethylphthalate	10.16	149	725751	44.20	nq	98
60) 4-Chlorophenyl-phenylether	10.26	204	280264	47.34	nq	94
61) 4-Nitroaniline	10.30	138	121920	34.01	nq #	69
62) Azobenzene	10.42	77	778230	43.94	nq	83
64) 4,6-Dinitro-2-methylphenol	10.33	198	63012	29.46	nq #	29
65) n-Nitrosodiphenylamine	10.38	169	514376	48.63	nq	100
66) 4-Bromophenyl-phenylether	10.75	248	173416	49.68	nq	95
67) Hexachlorobenzene	10.81	284	201622	49.43	nq #	59
68) Atrazine	10.92	200	177391	50.21	nq	95
69) Pentachlorophenol	11.01	266	170422	90.40	nq	97
70) Phenanthrene	11.22	178	838295	45.63	nq	100
71) Anthracene	11.28	178	879812	46.82	nq	100
72) Carbazole	11.44	167	714084	44.21	nq	99
73) Di-n-butylphthalate	11.77	149	933919	47.35	nq #	98
74) Fluoranthene	12.41	202	858418	45.43	nq	92
76) Benzidine	12.53	184	217530	33.27	nq	97
77) Pyrene	12.63	202	820200	41.77	nq	99
79) Butylbenzylphthalate	13.25	149	365270	43.98	nq #	64
80) Benzo(a)anthracene	13.81	228	650052	45.15	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	131475	14.37	nq #	94
82) Chrysene	13.85	228	624160	42.62	nq	100
83) Bis(2-ethylhexyl)phthalate	13.81	149	498053	49.85	nq #	94
84) Di-n-octyl phthalate	14.43	149	925989	55.95	nq #	85
85) Indeno(1,2,3-cd)pyrene	16.49	276	592857	48.65	nq	95
87) Benzo(b)fluoranthene	14.82	252	1249479	83.37	nq	98
88) Benzo(k)fluoranthene	14.82	252	1249479	101.82	nq	99
89) Benzo(a)pyrene	15.14	252	600090	46.42	nq #	96
90) Dibenzo(a,h)anthracene	16.50	278	503417	46.21	nq #	95
91) Benzo(g,h,i)perylene	16.88	276	493807	44.61	nq #	91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

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VITALE-FILL-CSPH3-7KMSD

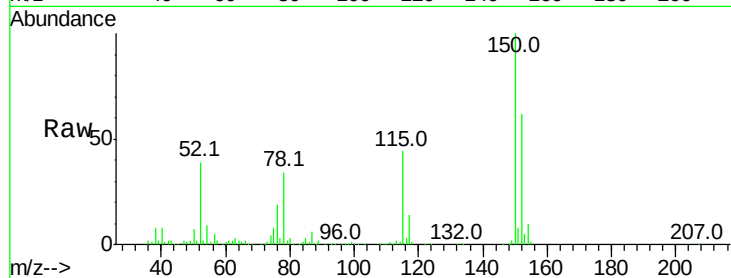
Tot Ion:152 Resp: 140073

Ion Ratio Lower Upper

152 100

150 160.5 125.8 188.6

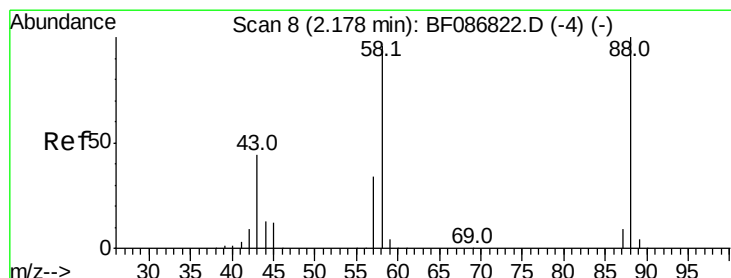
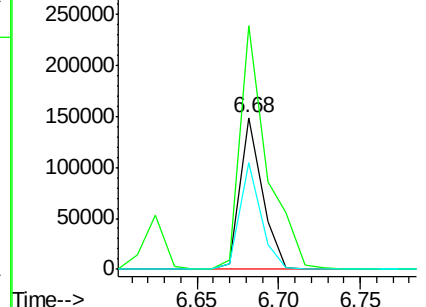
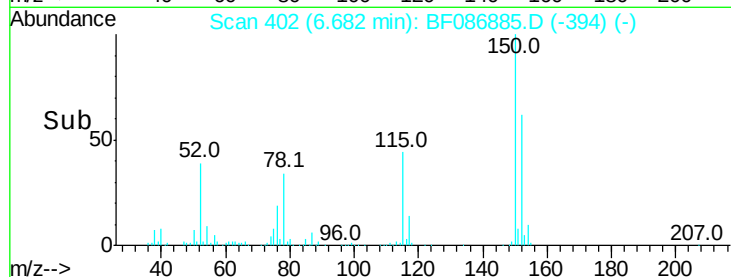
115 70.3 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.75 ng

RT: 2.24 min Scan# 13

Delta R.T. 0.06 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

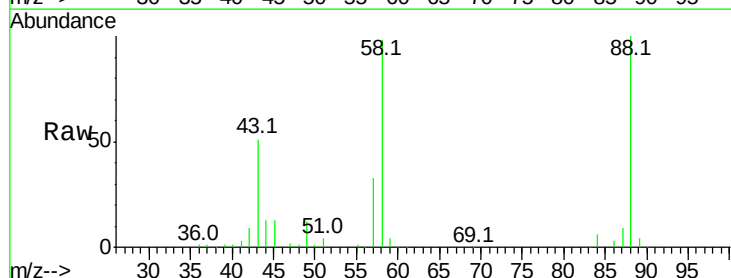
Tgt Ion: 88 Resp: 149213

Ion Ratio Lower Upper

88 100

58 99.8 59.6 89.4#

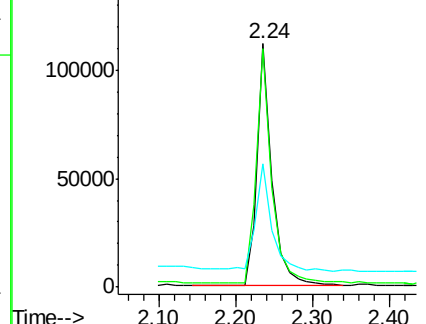
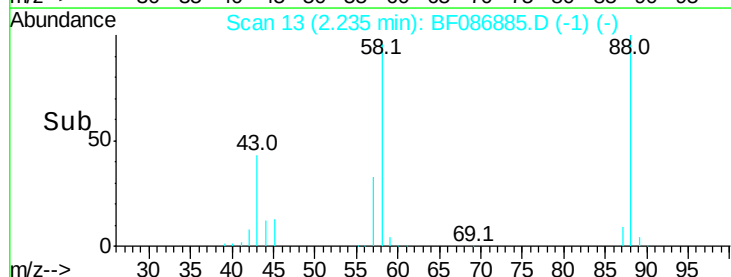
43 48.0 21.8 32.6#

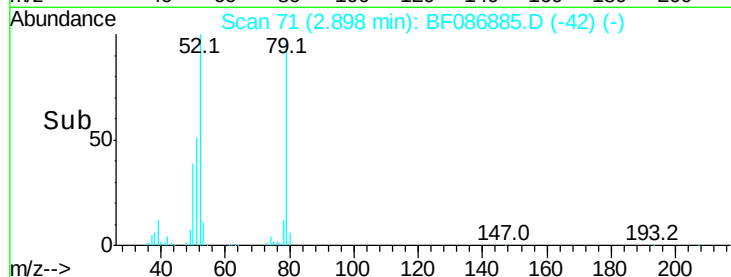
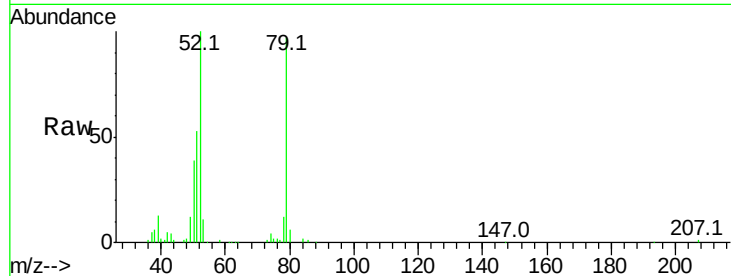
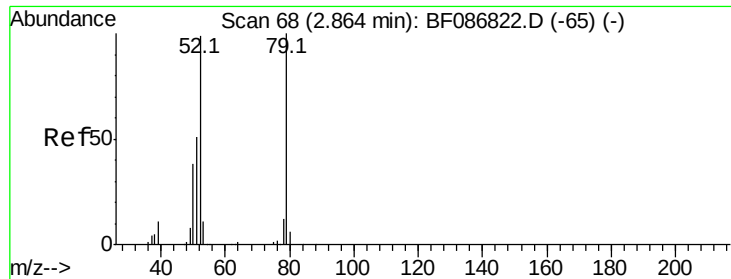


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

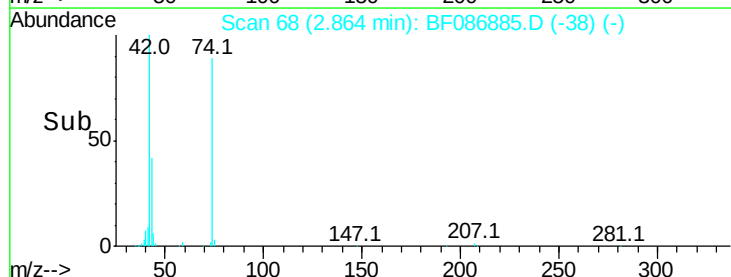
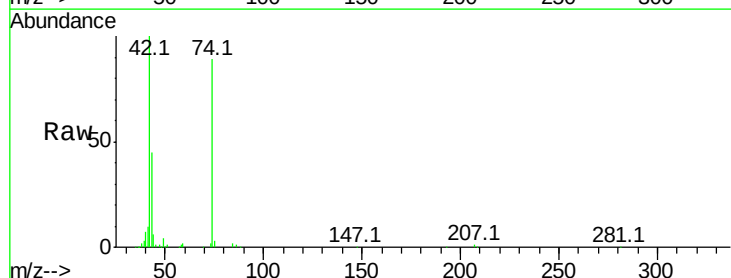
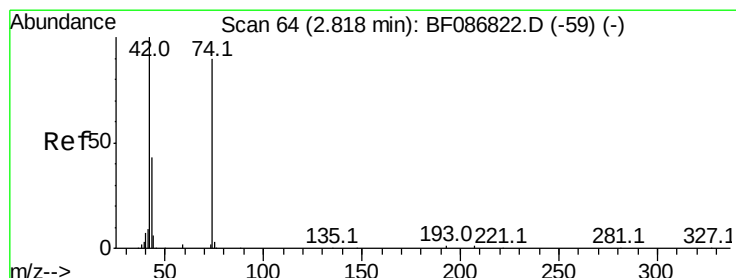
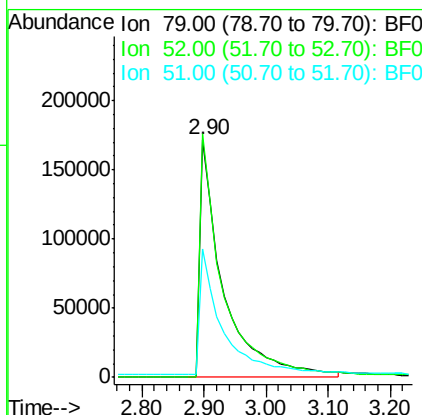




#3
 Pvridine
 Concen: 45.63 ng
 RT: 2.90 min Scan# 71
 Delta R.T. 0.03 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

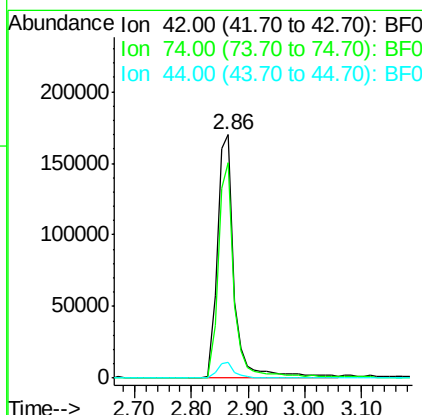
Instrument :
 BNA_F
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 VITALE-FILL-CSPH3-7KMSD

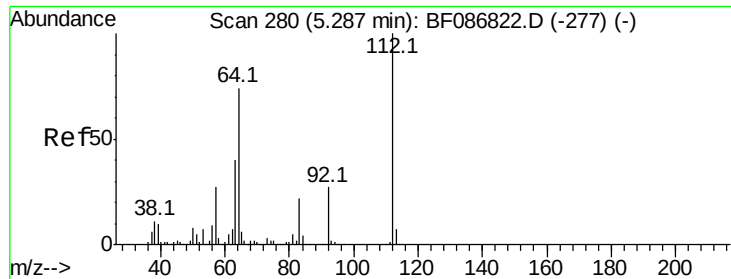
Tot Ion: 79 Resp: 452917
 Ion Ratio Lower Upper
 79 100
 52 102.6 55.9 83.9#
 51 54.1 28.1 42.1#



#4
 n-Nitrosodimethylamine
 Concen: 47.78 ng
 RT: 2.86 min Scan# 68
 Delta R.T. 0.05 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion: 42 Resp: 343917
 Ion Ratio Lower Upper
 42 100
 74 88.7 123.4 185.0#
 44 6.5 5.8 8.6





#5

2-Fluorophenol

Concen: 129.42 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

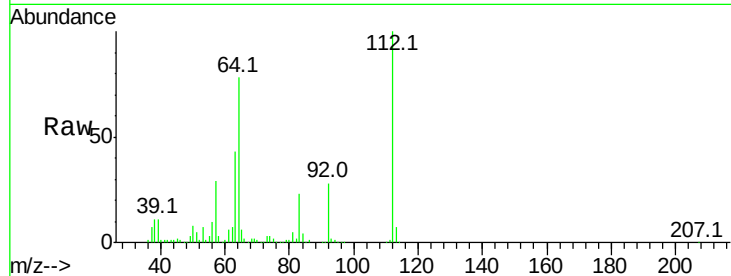
Tot Ion:112 Resp: 1070480

Ion Ratio Lower Upper

112 100

64 78.0 52.1 78.1

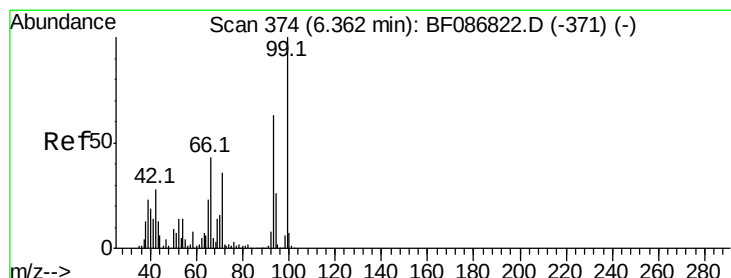
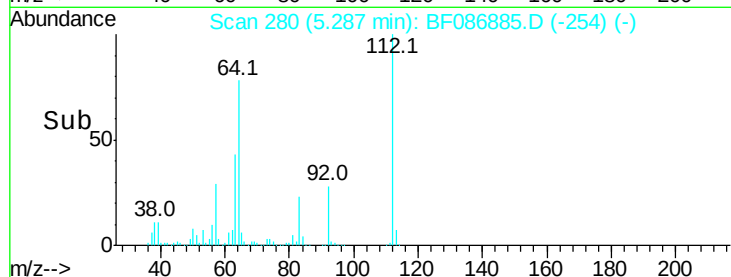
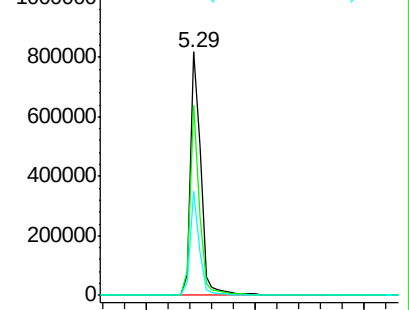
63 42.7 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 15.26 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

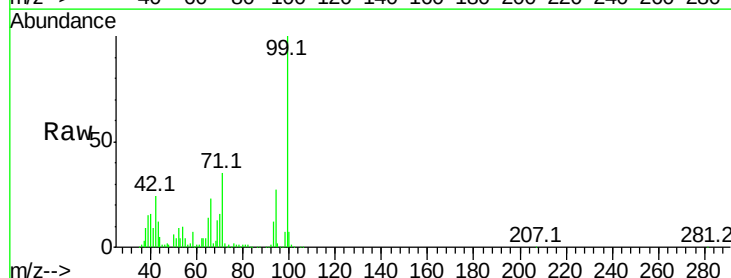
Tgt Ion: 93 Resp: 203955

Ion Ratio Lower Upper

93 100

66 191.4 39.0 58.6#

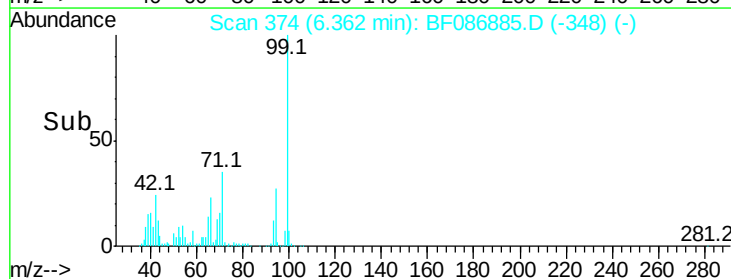
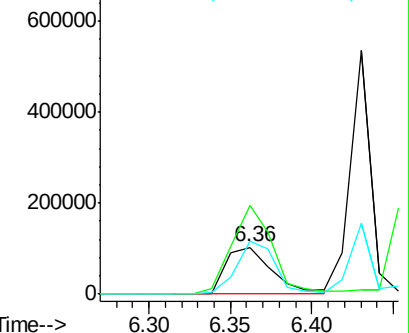
65 113.6 20.6 31.0#

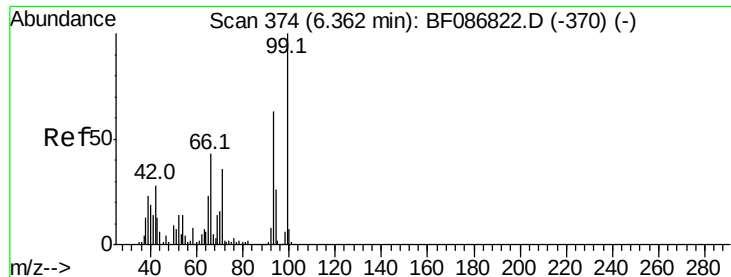


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.70 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086885.D

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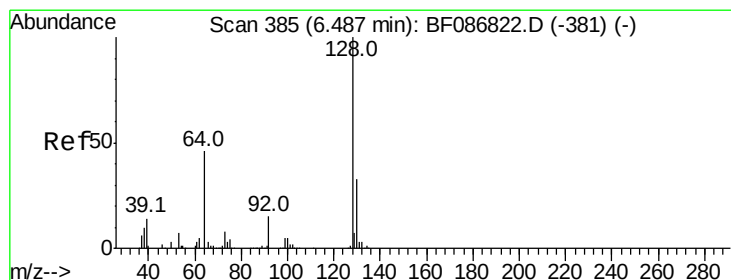
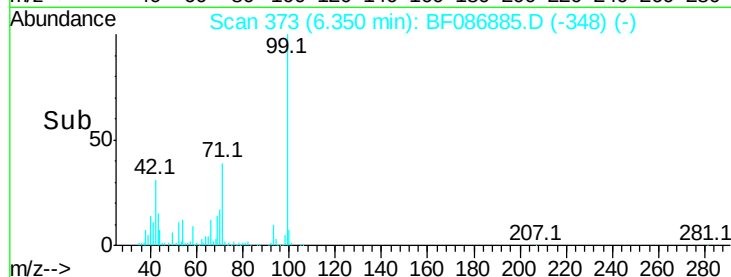
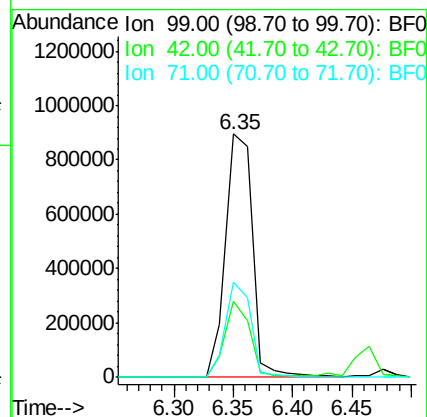
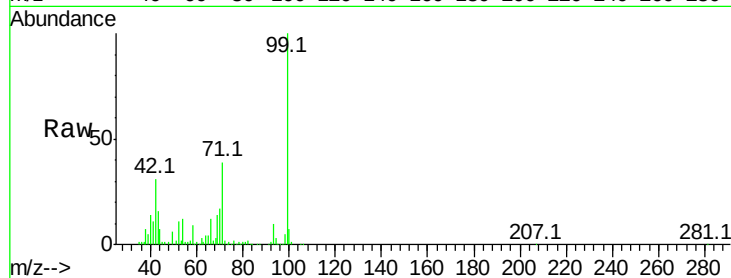
Tot Ion: 99 Resp: 1411603

Ion Ratio Lower Upper

99 100

42 31.4 13.6 20.4#

71 39.1 24.6 36.8#



#8

2-Chlorophenol

Concen: 41.78 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

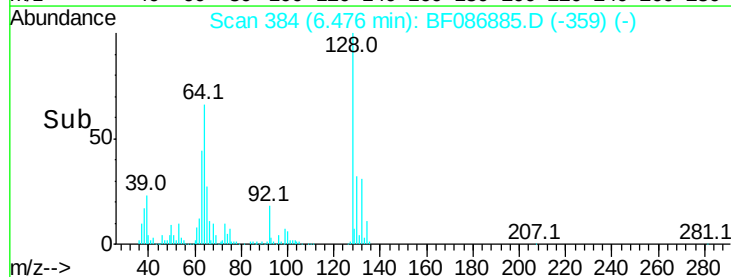
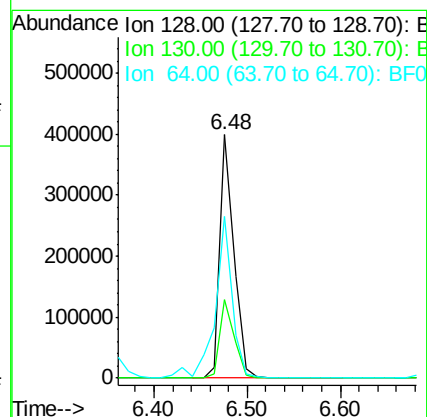
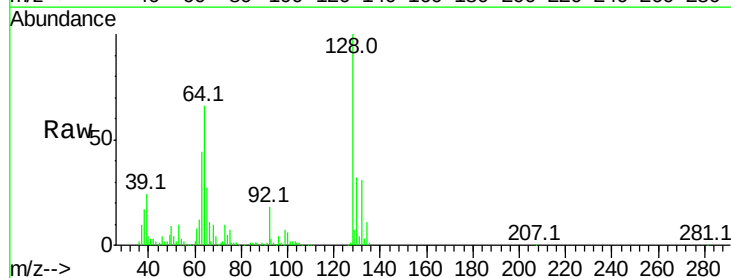
Tgt Ion: 128 Resp: 416947

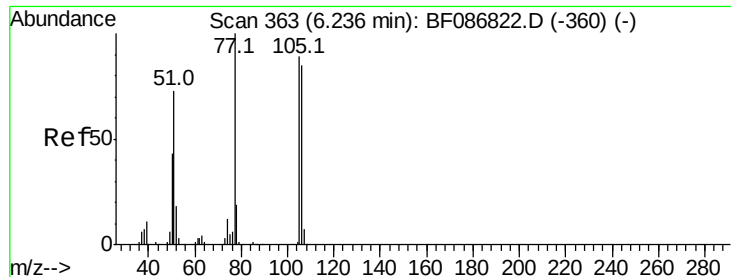
Ion Ratio Lower Upper

128 100

130 32.3 12.5 52.5

64 66.2 27.3 67.3





#9

Benzaldehyde

Concen: 6.66 ng

RT: 6.24 min Scan# 363

Delta R.T. 0.00 min

Lab File: BF086885.D

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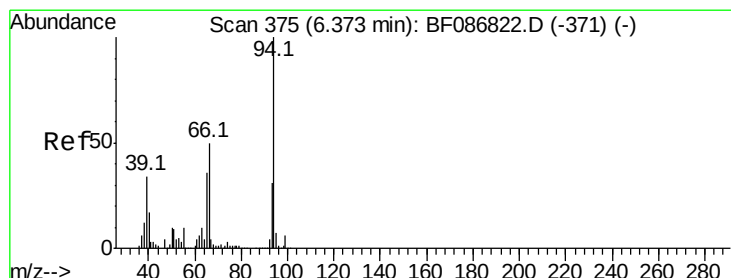
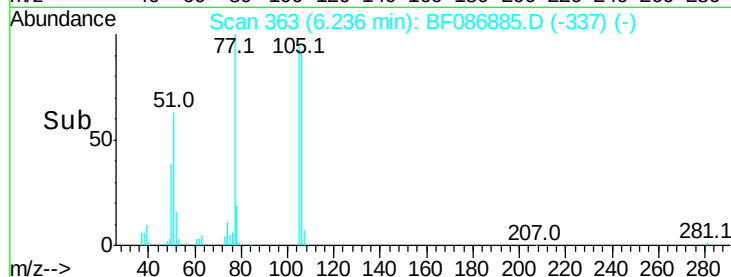
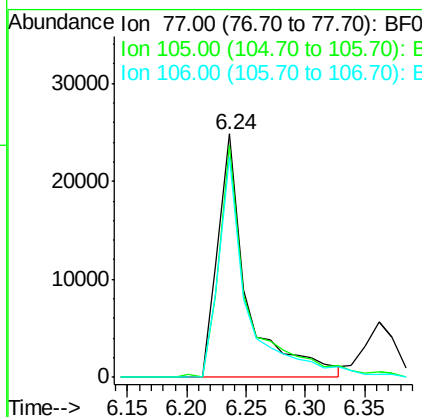
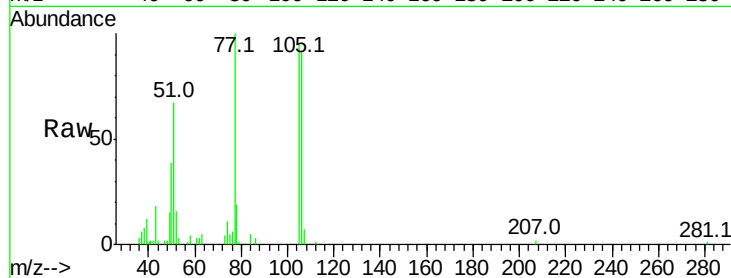
Tot Ion: 77 Resp: 42623

Ion Ratio Lower Upper

77 100

105 95.4 72.7 112.7

106 90.6 70.8 110.8



#10

Phenol

Concen: 34.04 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

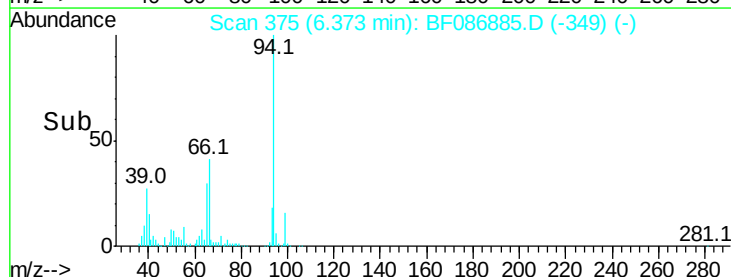
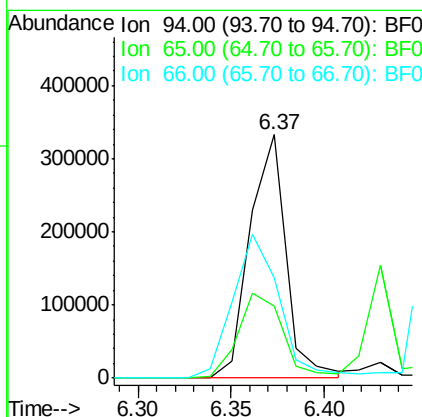
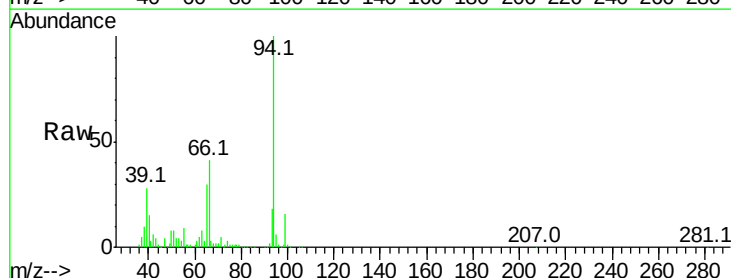
Tgt Ion: 94 Resp: 447277

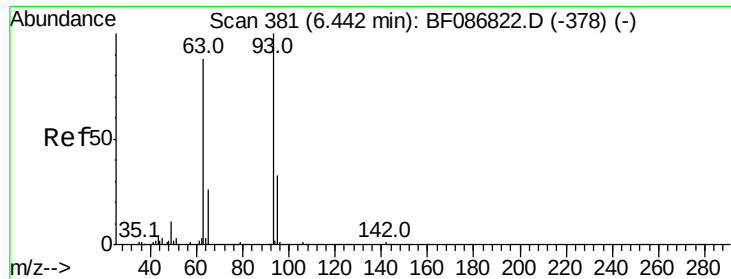
Ion Ratio Lower Upper

94 100

65 29.5 7.2 47.2

66 41.1 14.9 54.9

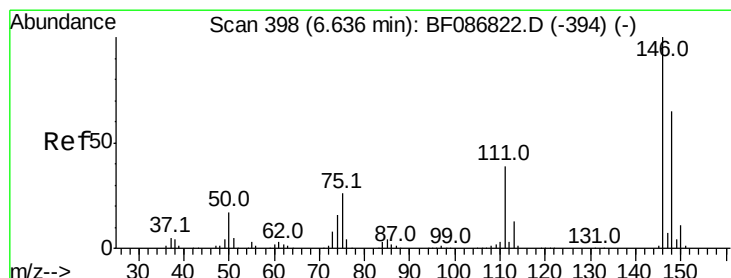
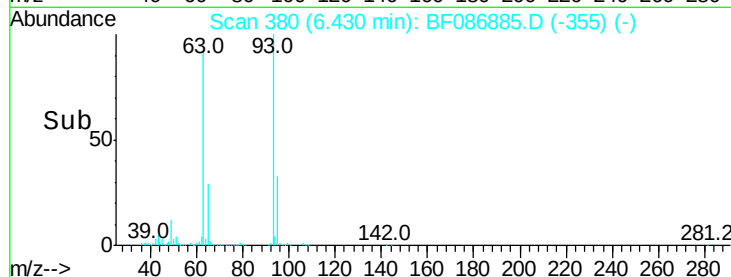
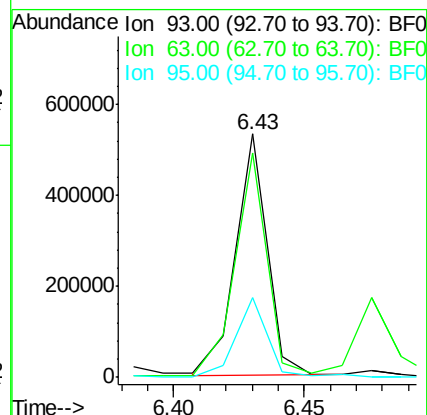
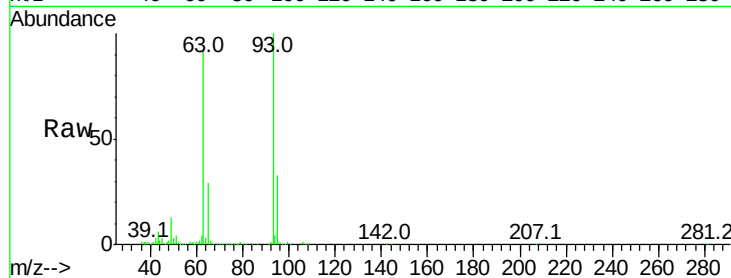




#11
bis(2-Chloroethyl)ether
Concen: 43.93 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

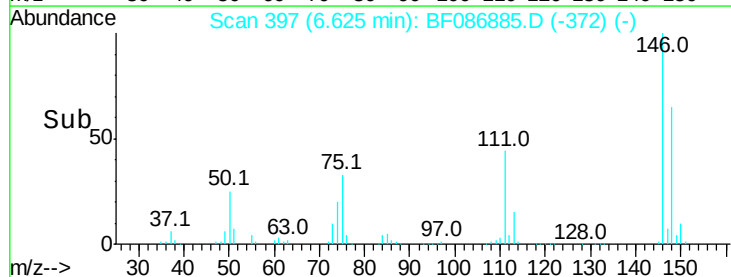
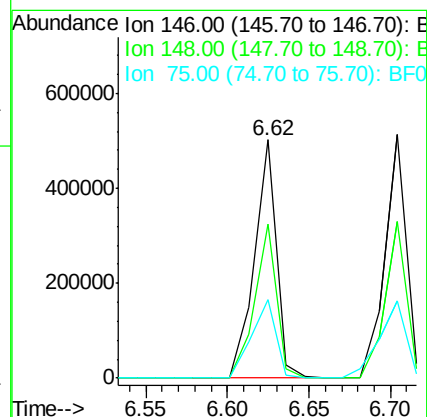
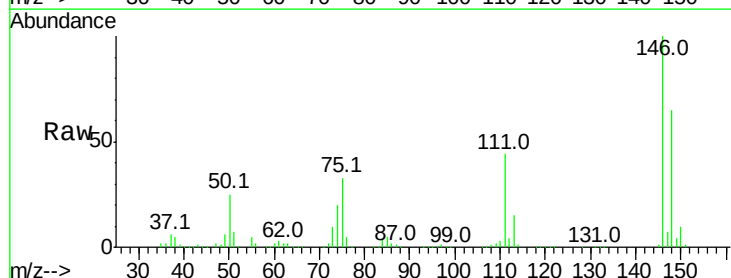
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

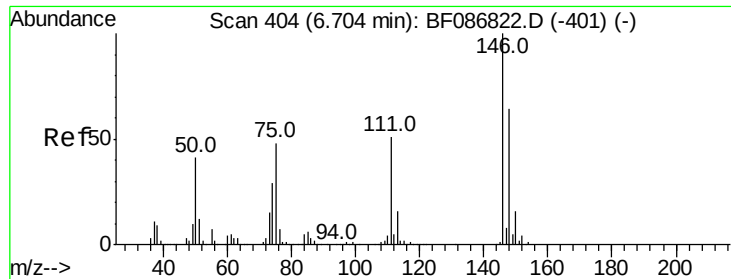
Tot Ion: 93 Resp: 450060
Ion Ratio Lower Upper
93 100
63 92.3 58.0 98.0
95 32.7 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 43.54 ng
RT: 6.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion: 146 Resp: 470304
Ion Ratio Lower Upper
146 100
148 64.7 52.4 78.6
75 33.2 22.8 34.2

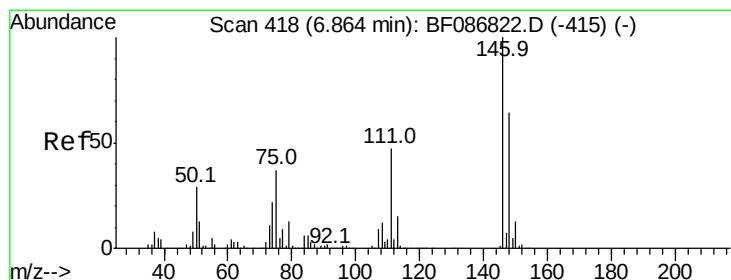
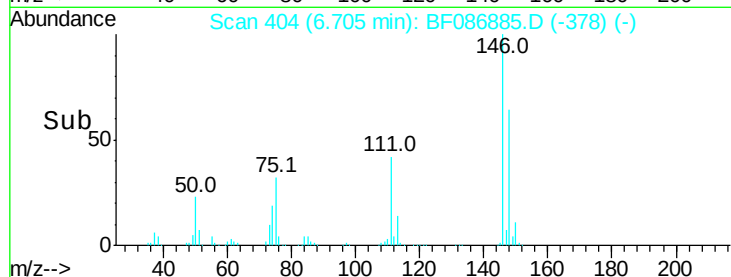
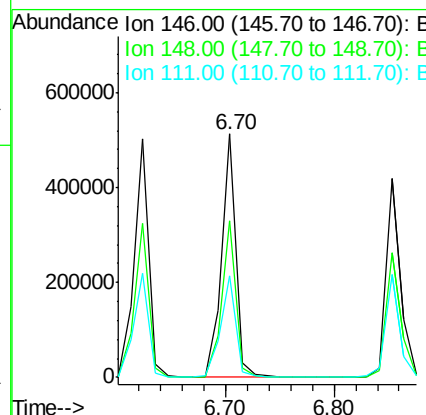
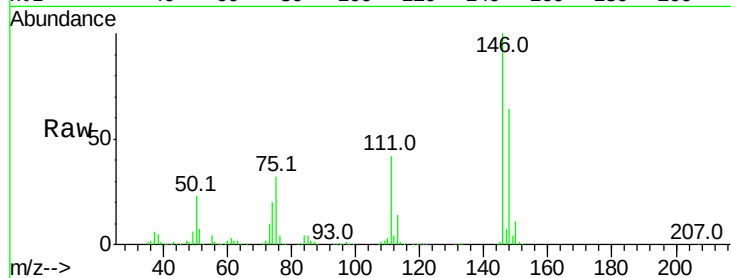




#13
 1,4-Dichlorobenzene
 Concen: 43.49 ng
 RT: 6.70 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

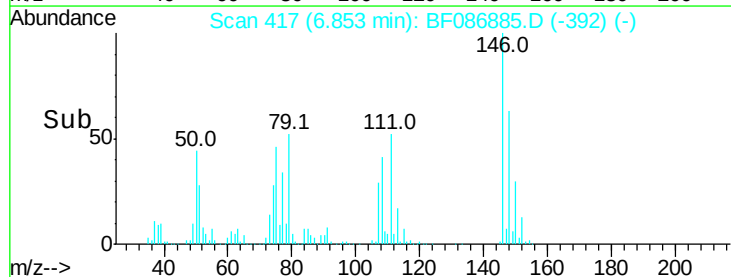
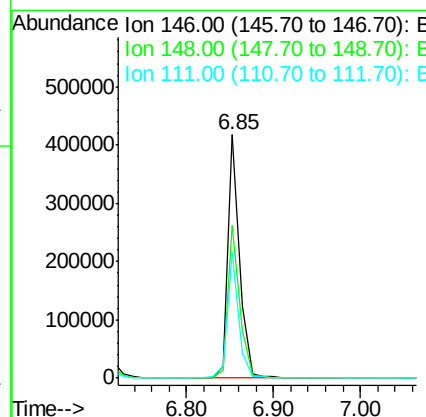
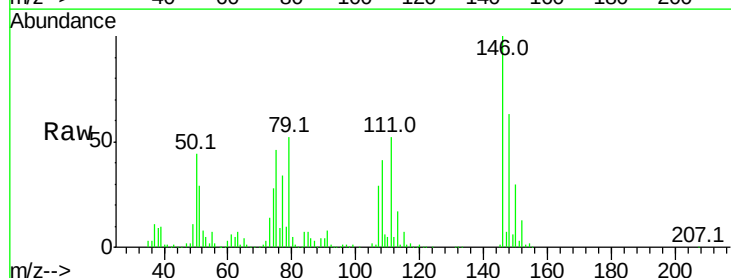
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

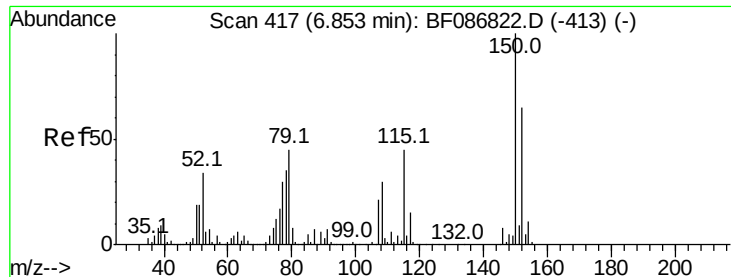
Tot Ion:146 Resp: 479038
 Ion Ratio Lower Upper
 146 100
 148 64.2 52.2 78.4
 111 41.7 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 41.20 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion:146 Resp: 395471
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.0 76.6
 111 51.6 36.2 54.4





#15

Benzyl Alcohol

Concen: 47.44 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

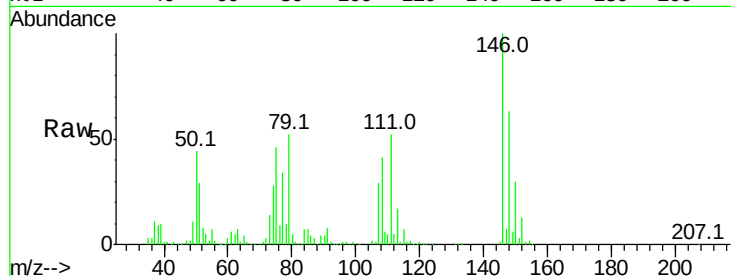
Tot Ion: 79 Resp: 362112

Ion Ratio Lower Upper

79 100

108 80.4 68.4 102.6

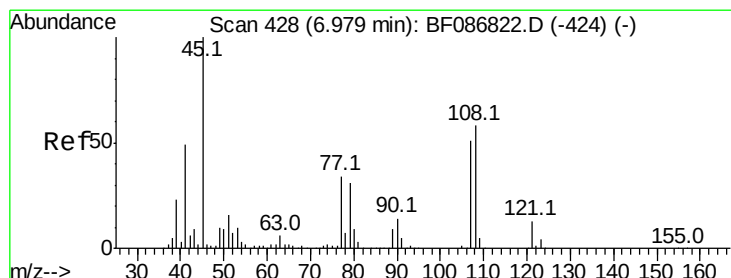
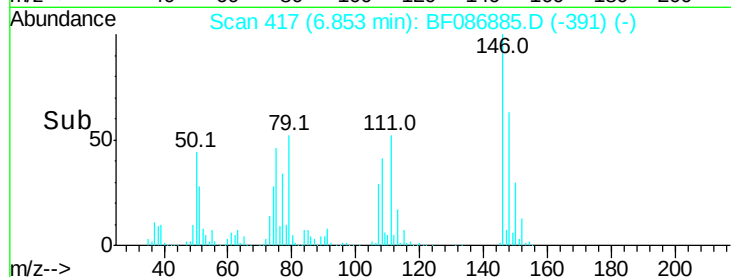
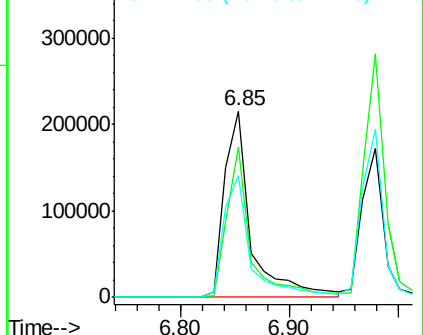
77 65.5 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.11 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

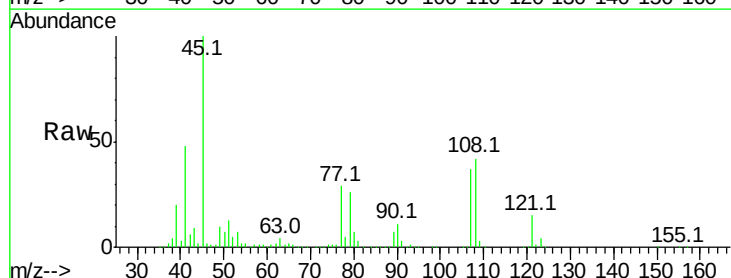
Tgt Ion: 45 Resp: 960225

Ion Ratio Lower Upper

45 100

77 28.8 0.0 36.4

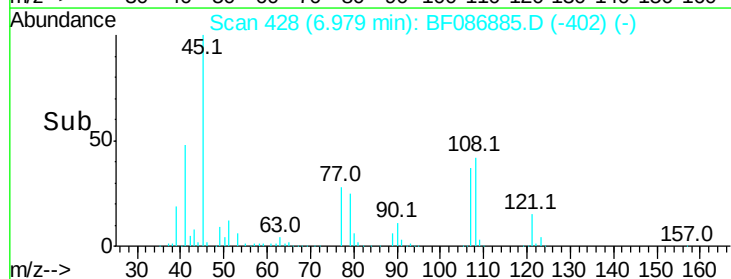
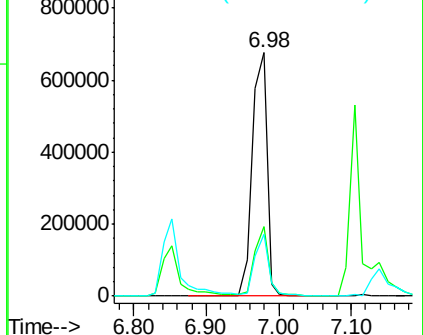
79 25.6 0.0 33.4

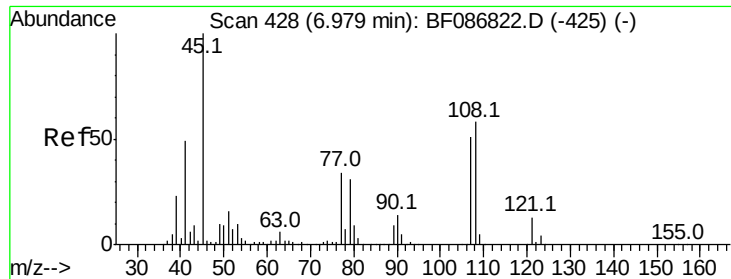


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 41.77 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:107 Resp: 331736

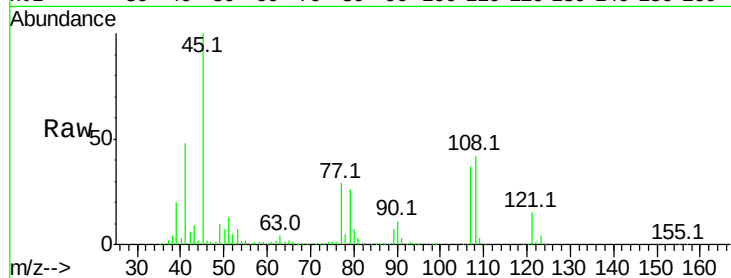
Ion Ratio Lower Upper

107 100

108 112.3 93.7 140.5

77 77.5 33.4 50.0#

79 68.9 34.3 51.5#



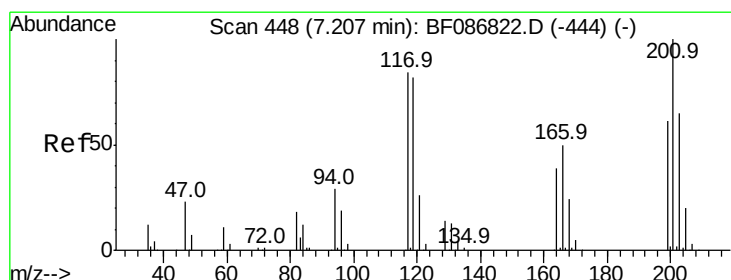
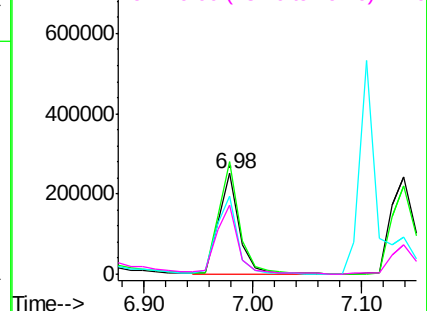
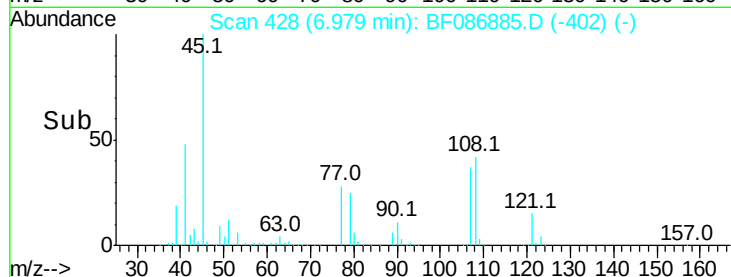
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 42.80 ng

RT: 7.20 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

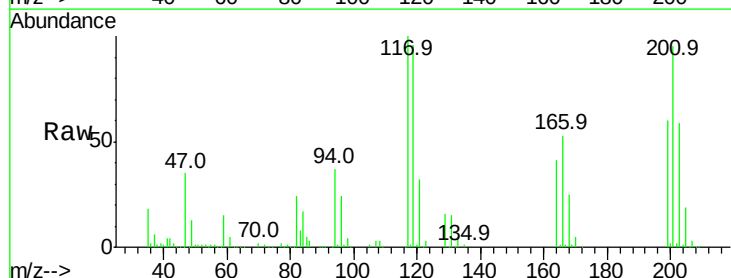
Tgt Ion:117 Resp: 177370

Ion Ratio Lower Upper

117 100

119 95.8 76.5 114.7

201 94.6 63.0 94.6#

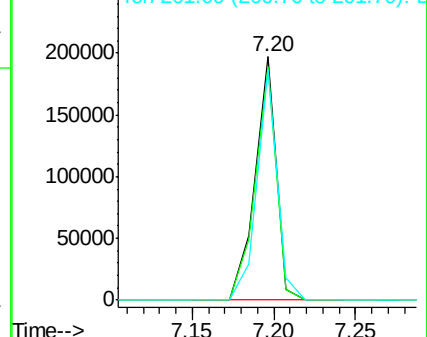
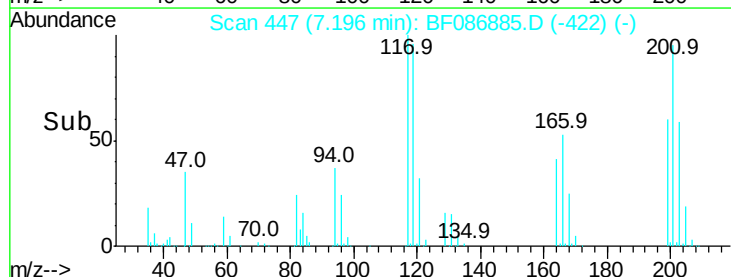


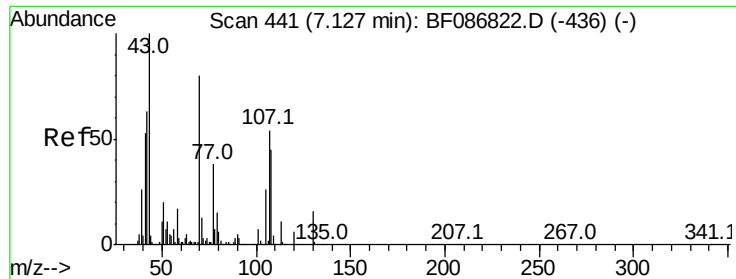
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

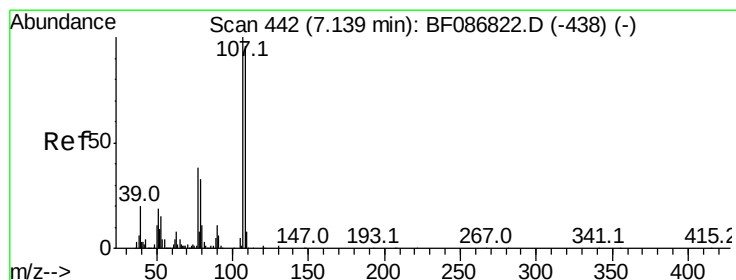
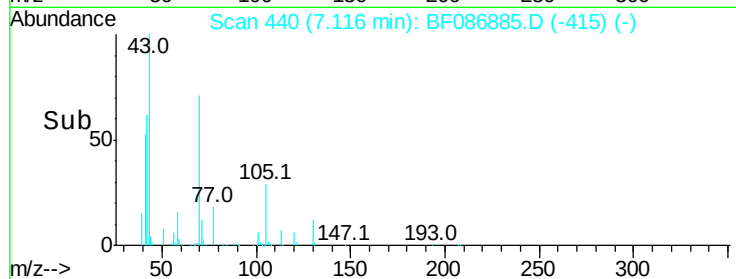
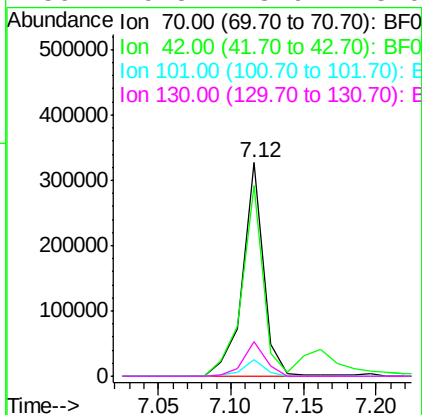
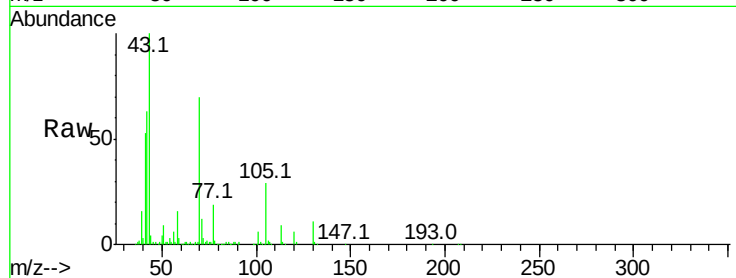




#19
n-Nitroso-di-n-propylamine
Concen: 42.70 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

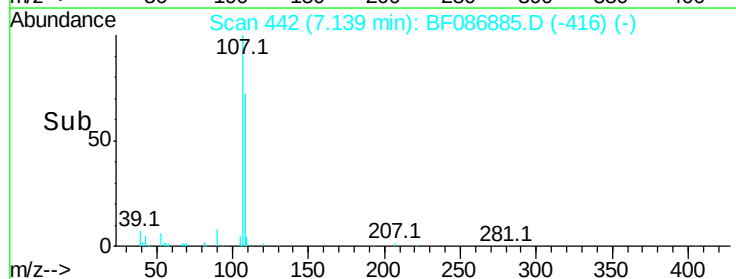
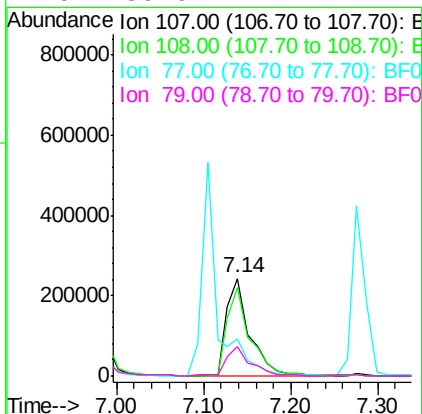
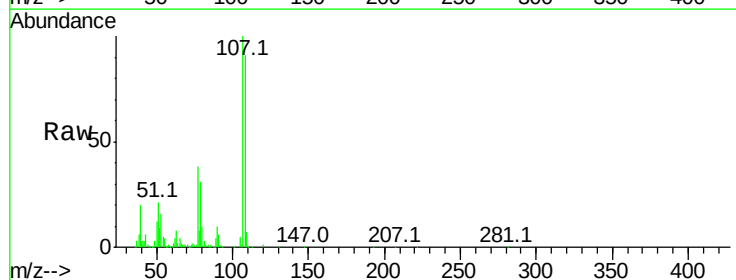
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

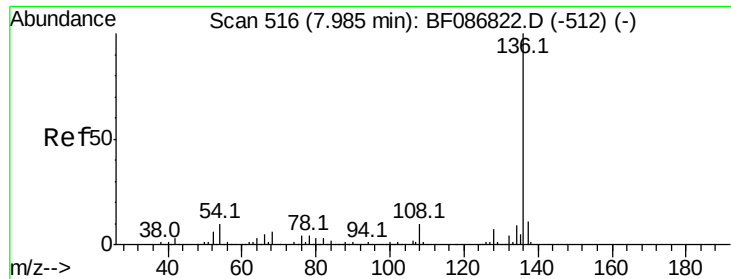
Tot Ion	Ratio	Lower	Upper
70	100		
42	89.5	43.1	64.7#
101	8.1	8.1	12.1#
130	16.3	18.6	28.0#



#20
3+4-Methylphenols
Concen: 43.20 ng
RT: 7.14 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.6	68.5	108.5
77	38.2	101.6	141.6#
79	30.6	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:136 Resp: 542663

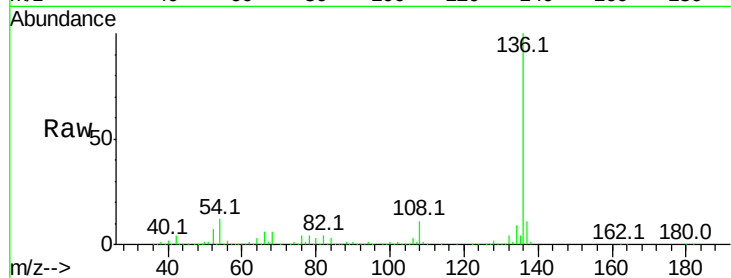
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 11.9 5.0 7.4#

68 6.2 4.4 6.6

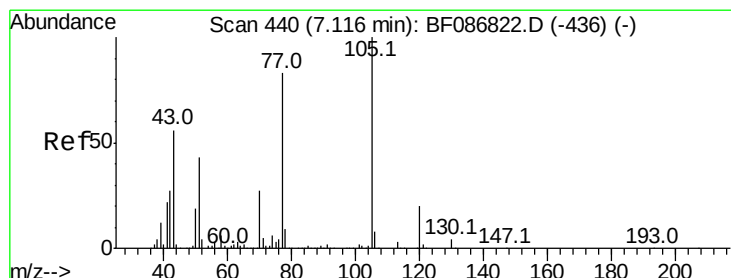
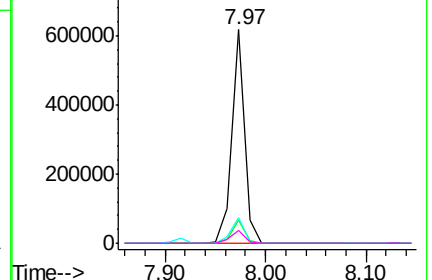
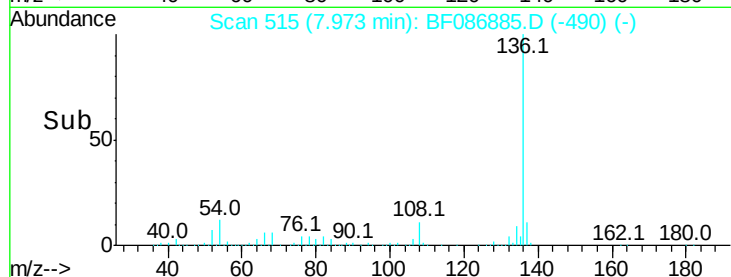


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 47.92 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:105 Resp: 614191

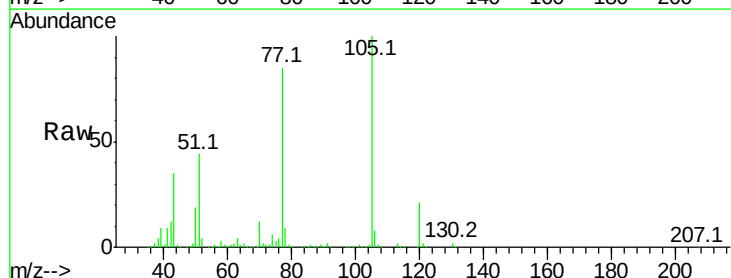
Ion Ratio Lower Upper

105 100

71 1.9 4.8 7.2#

51 43.7 32.6 49.0

120 20.6 16.5 24.7

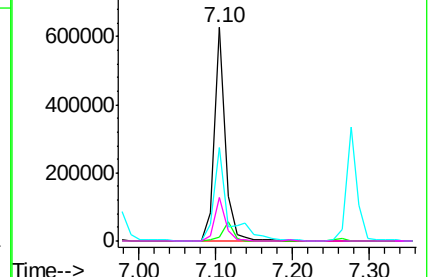
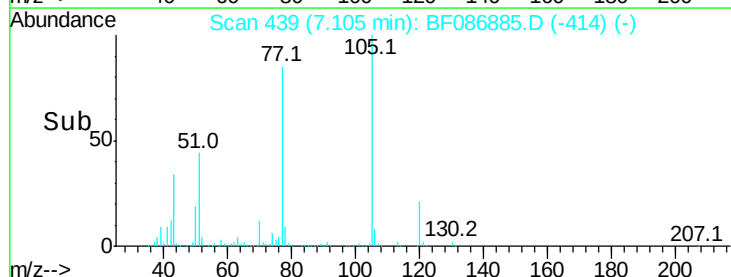


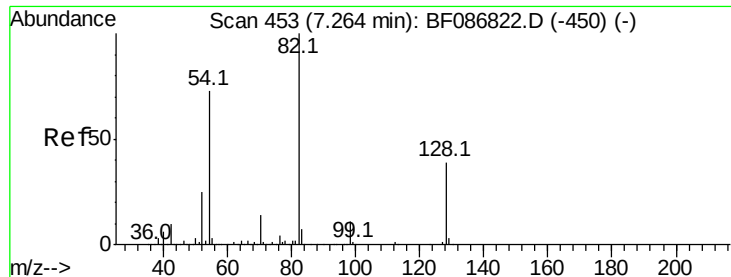
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

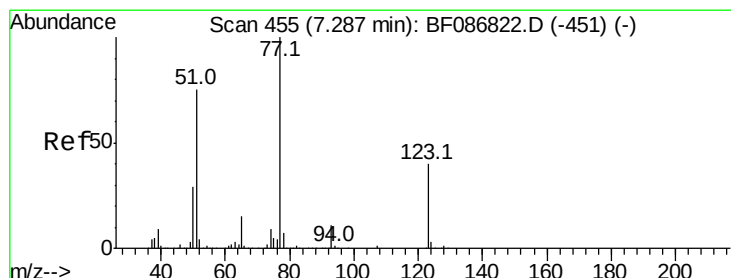
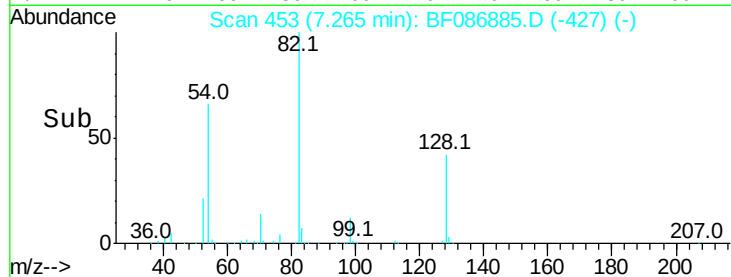
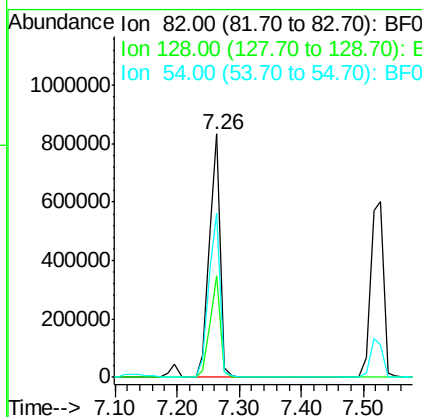
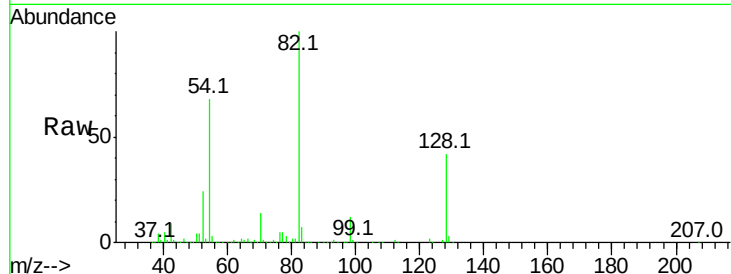




#23
 Nitrobenzene-d5
 Concen: 93.73 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

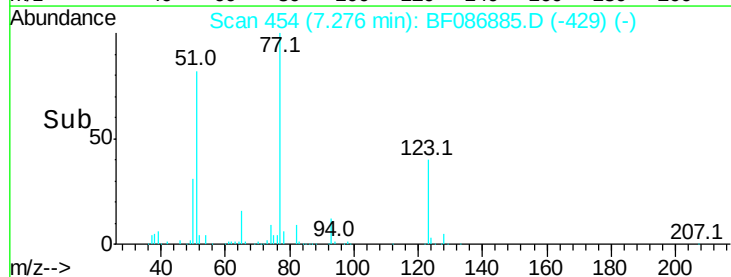
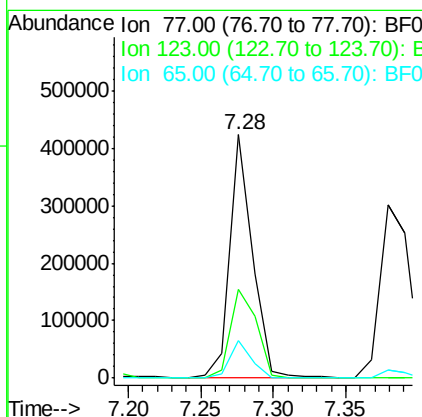
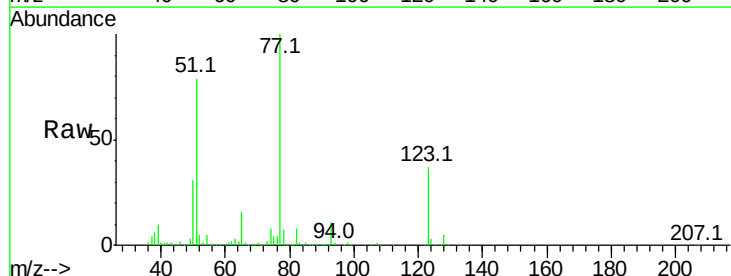
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

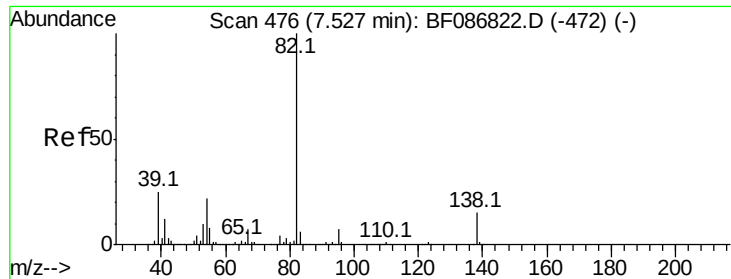
Tot Ion: 82 Resp: 1012970
 Ion Ratio Lower Upper
 82 100
 128 41.9 40.6 61.0
 54 67.6 38.1 57.1#



#24
 Nitrobenzene
 Concen: 40.88 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion: 77 Resp: 454501
 Ion Ratio Lower Upper
 77 100
 123 36.7 33.0 49.4
 65 15.6 10.8 16.2





#25

Isophorone

Concen: 42.96 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

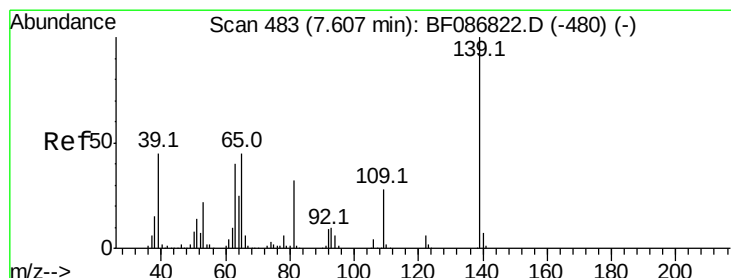
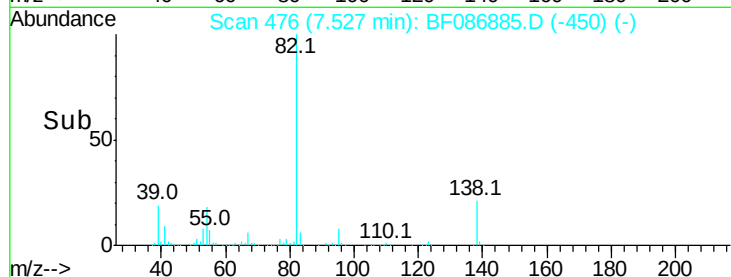
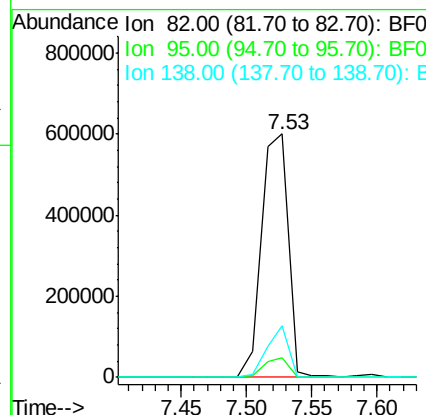
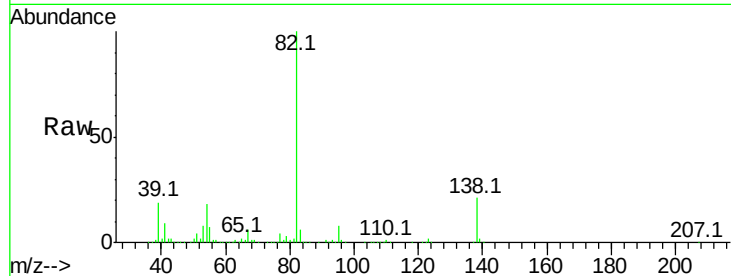
Tot Ion: 82 Resp: 861380

Ion Ratio Lower Upper

82 100

95 7.9 5.1 7.7#

138 21.0 12.4 18.6#



#26

2-Nitrophenol

Concen: 45.84 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

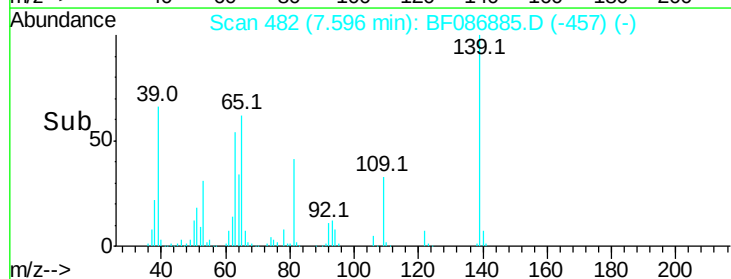
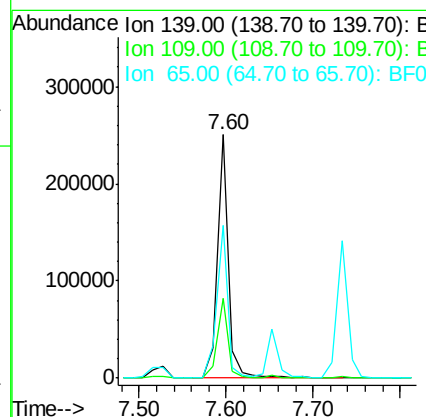
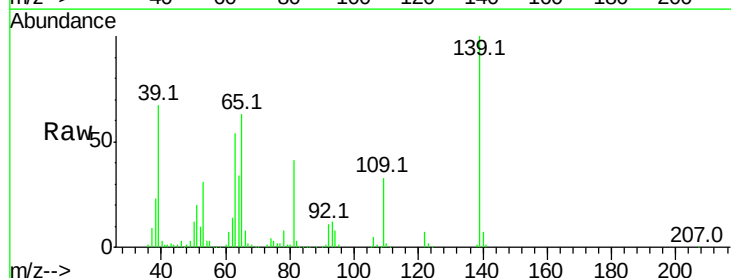
Tgt Ion: 139 Resp: 224033

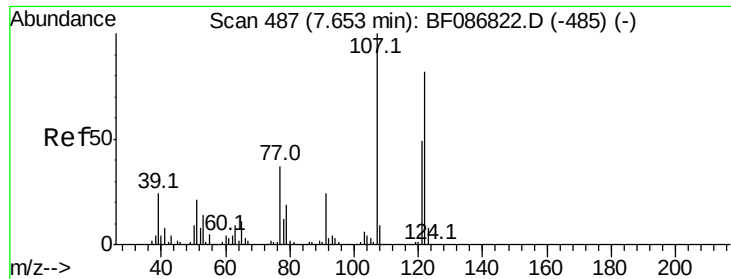
Ion Ratio Lower Upper

139 100

109 32.6 19.5 29.3#

65 62.7 37.5 56.3#

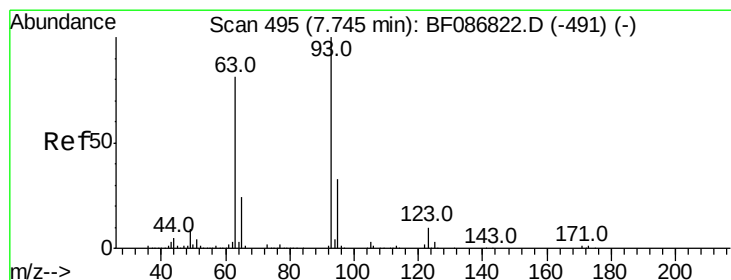
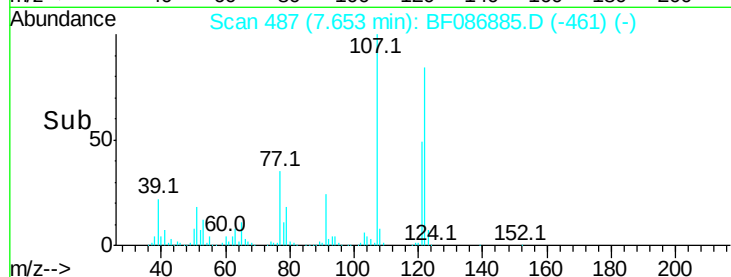
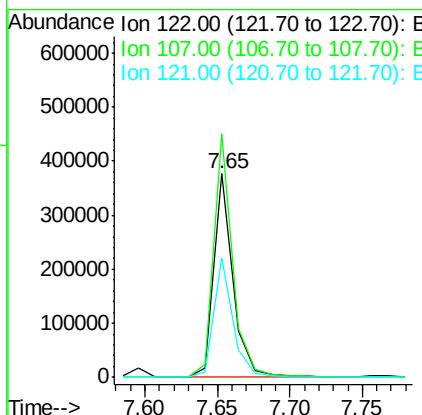
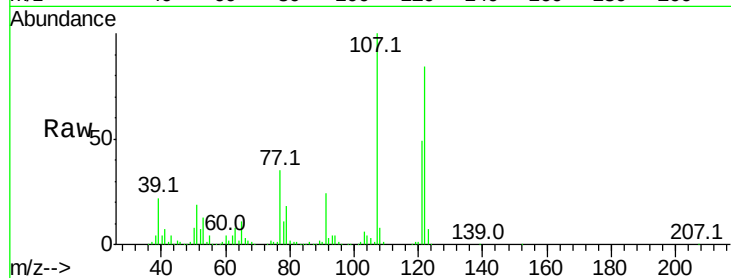




#27
 2,4-Dimethylphenol
 Concen: 41.62 ng
 RT: 7.65 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

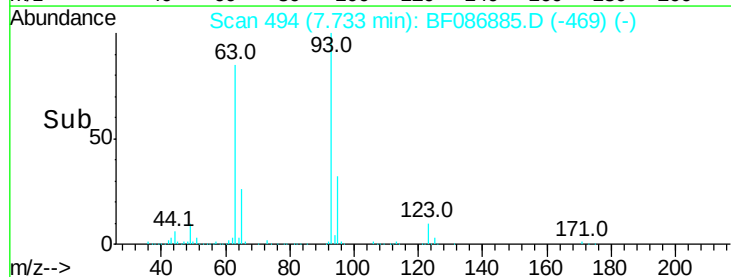
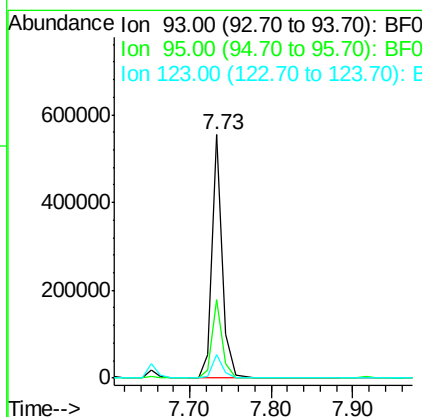
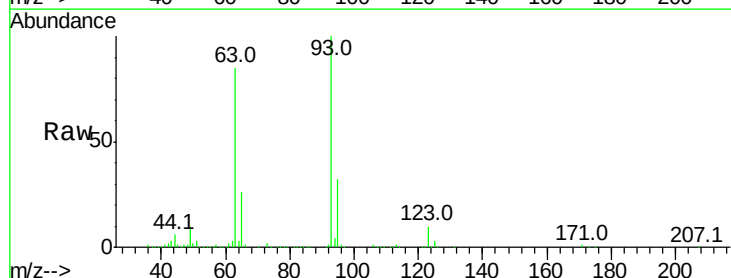
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

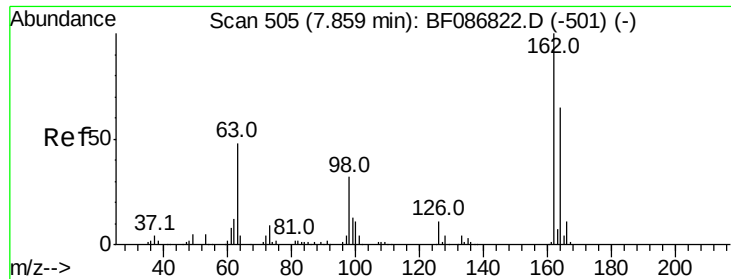
Tot Ion:122 Resp: 346469
 Ion Ratio Lower Upper
 122 100
 107 119.7 82.0 123.0
 121 58.5 46.1 69.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.68 ng
 RT: 7.73 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion: 93 Resp: 494094
 Ion Ratio Lower Upper
 93 100
 95 32.2 26.0 39.0
 123 9.5 9.5 14.3#

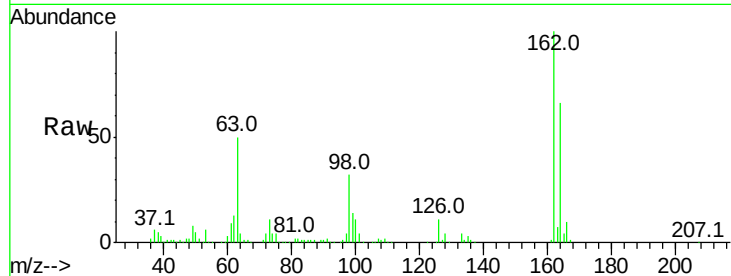




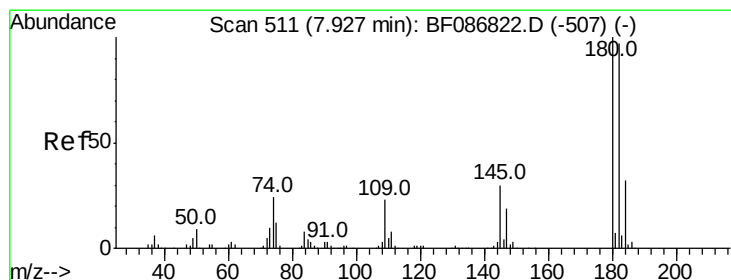
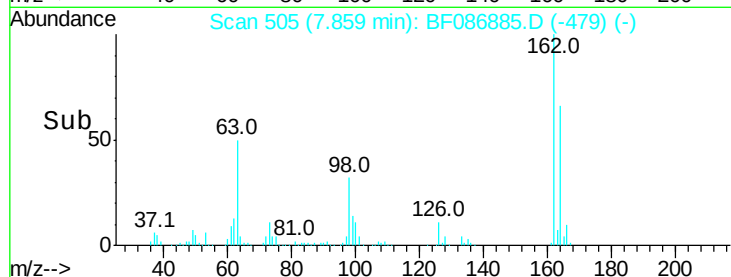
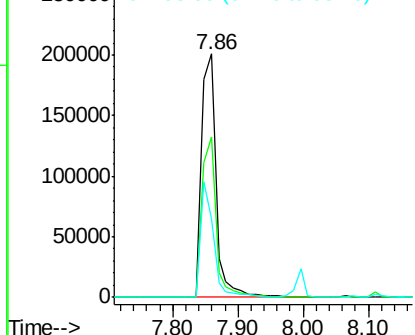
#29
 2,4-Dichlorophenol
 Concen: 42.31 ng
 RT: 7.86 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.7	42.2	82.2
98	32.2	19.0	59.0

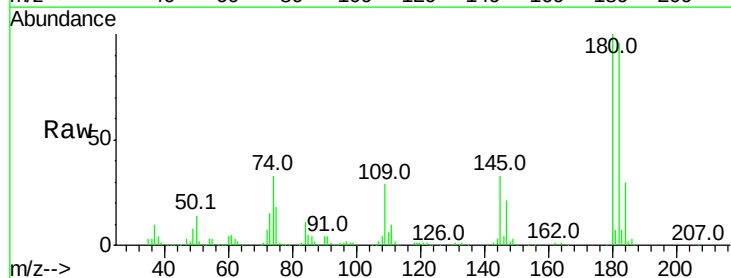


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

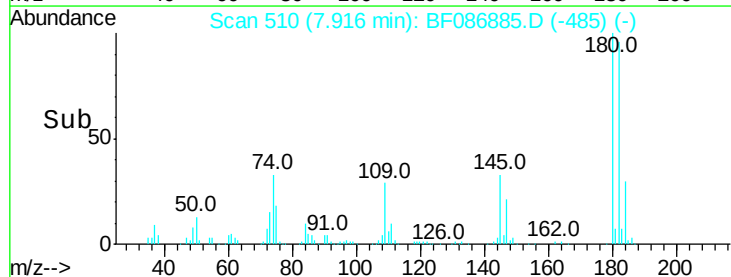
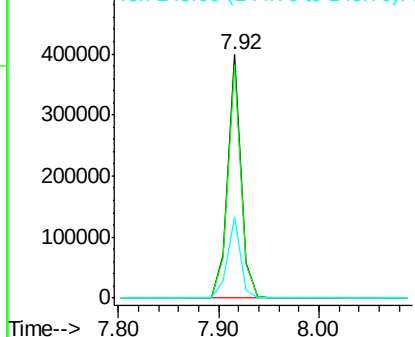


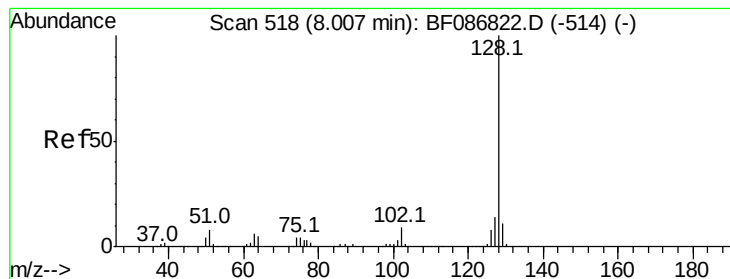
#30
 1,2,4-Trichlorobenzene
 Concen: 44.67 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.0	117.0
145	33.2	24.2	36.2



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





#31

Naphthalene

Concen: 44.88 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

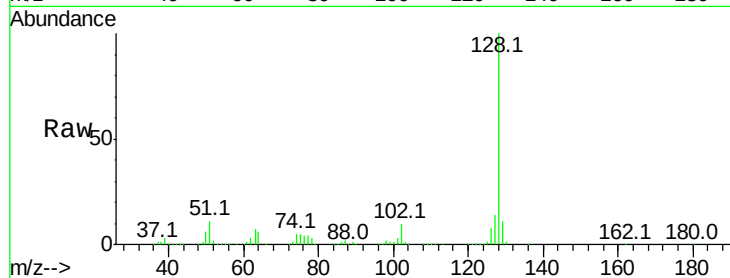
Tot Ion:128 Resp: 1219958

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

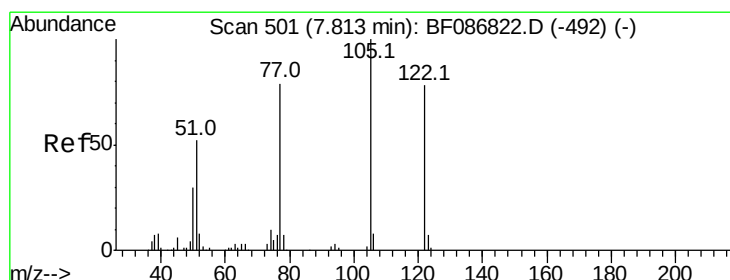
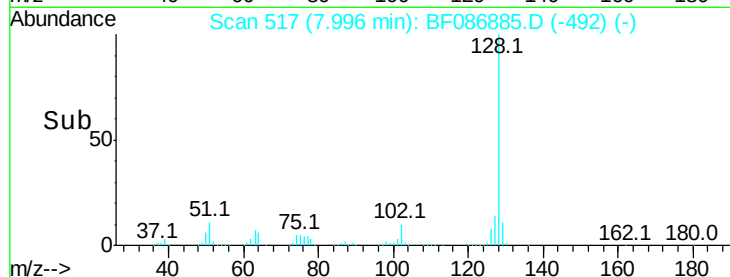
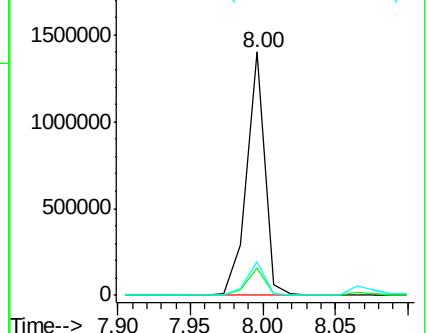
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 70.87 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.16 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

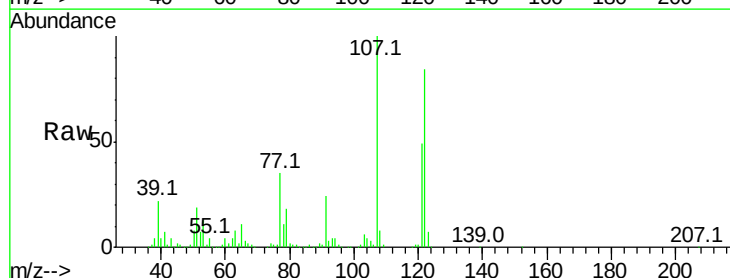
Tgt Ion:122 Resp: 346469

Ion Ratio Lower Upper

122 100

105 4.0 92.6 132.6#

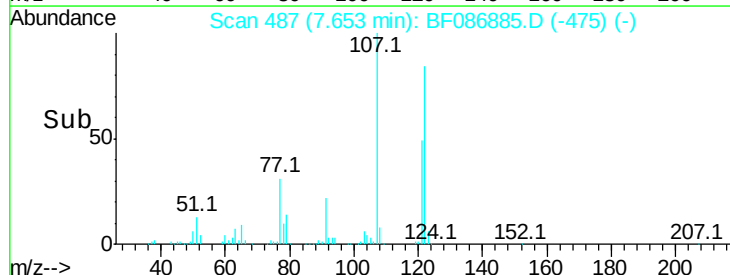
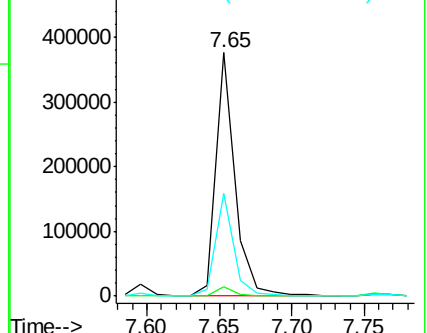
77 42.2 60.0 100.0#

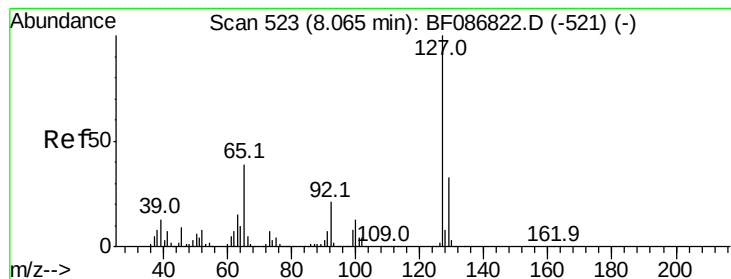


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 8.37 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:127 Resp: 88380

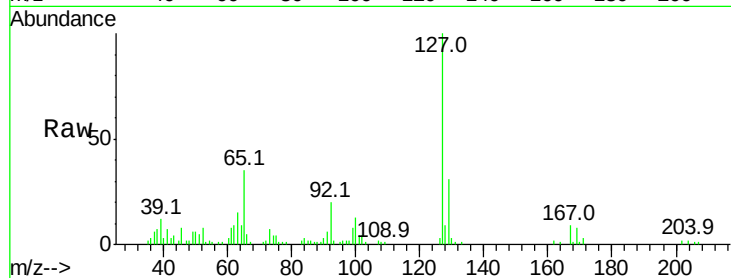
Ion Ratio Lower Upper

127 100

129 30.7 26.2 39.4

65 35.4 23.0 34.4#

92 19.5 15.1 22.7

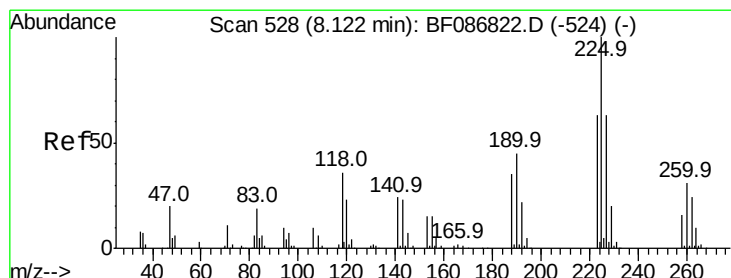
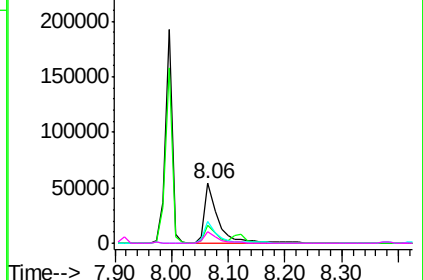
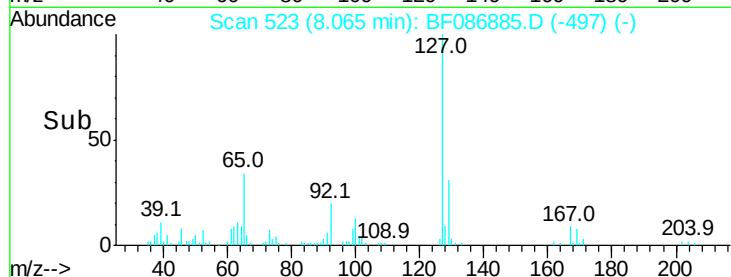


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 42.46 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

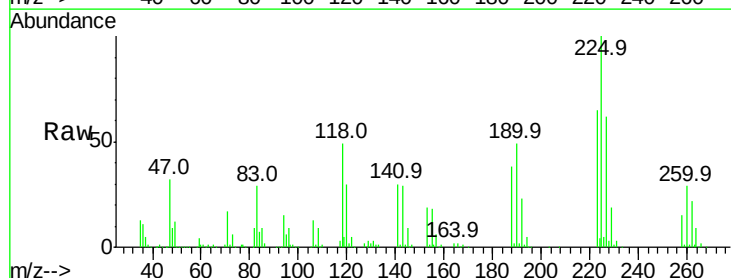
Tgt Ion:225 Resp: 201811

Ion Ratio Lower Upper

225 100

223 64.5 51.5 77.3

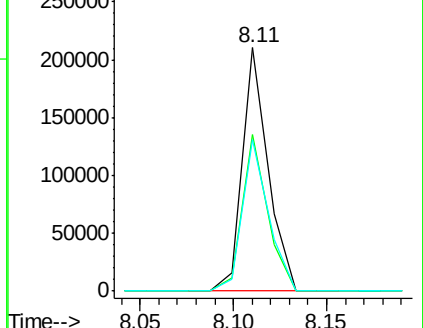
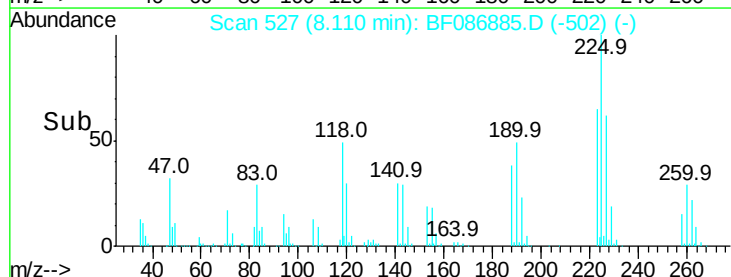
227 62.4 52.2 78.2

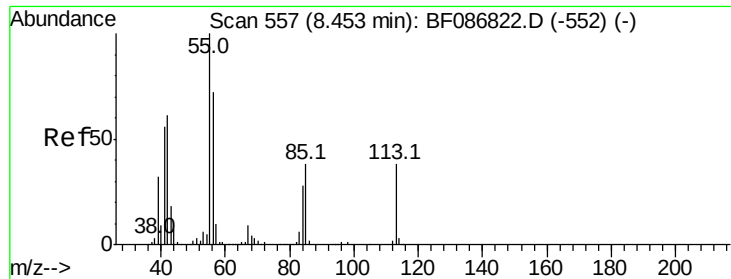


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 36.47 ng

RT: 8.43 min Scan# 555

Delta R.T. -0.02 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

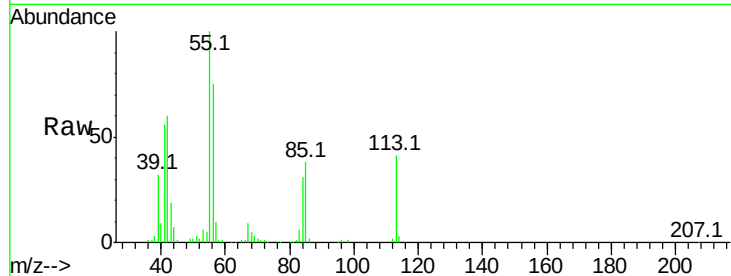
Tot Ion:113 Resp: 90918

Ion Ratio Lower Upper

113 100

55 242.6 162.0 202.0#

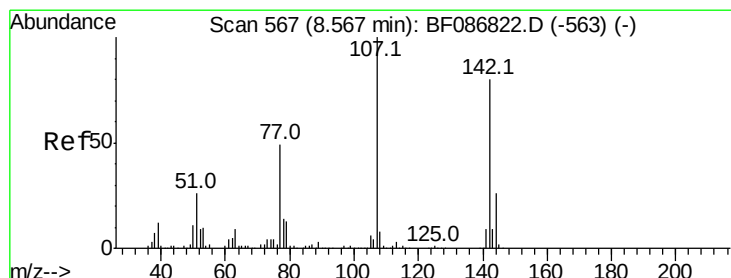
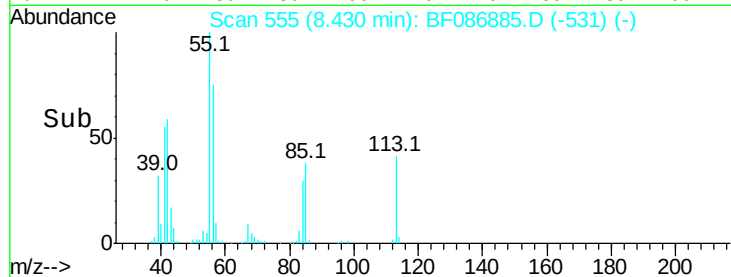
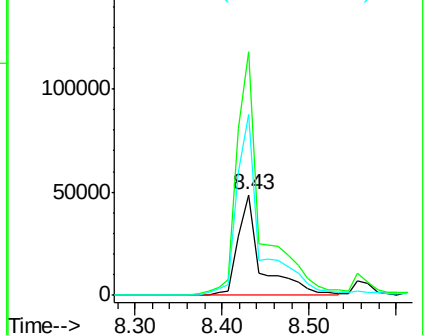
56 180.7 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 34.63 ng

RT: 8.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

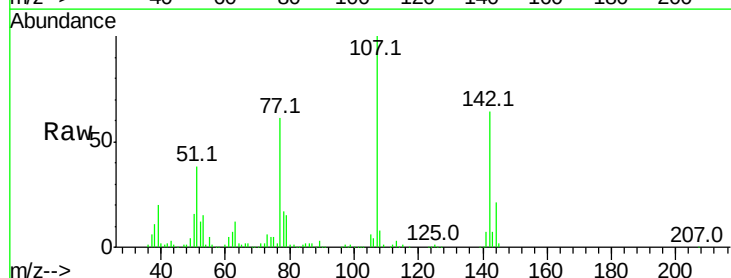
Tgt Ion:107 Resp: 307684

Ion Ratio Lower Upper

107 100

144 20.8 20.7 31.1

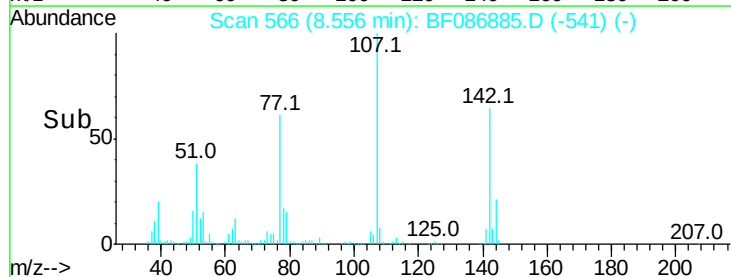
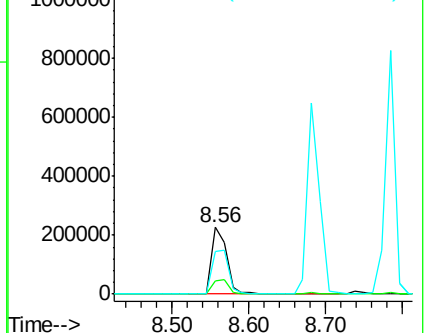
142 64.1 63.2 94.8

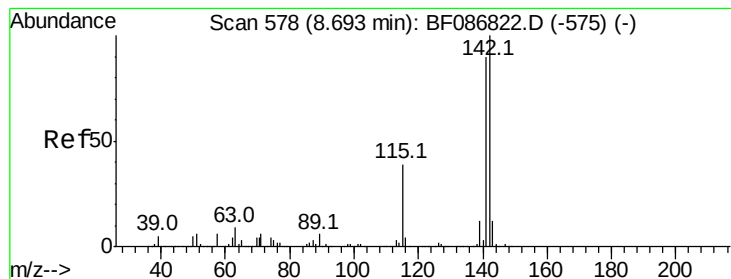


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

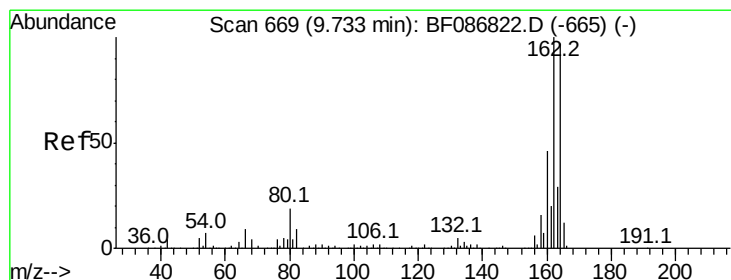
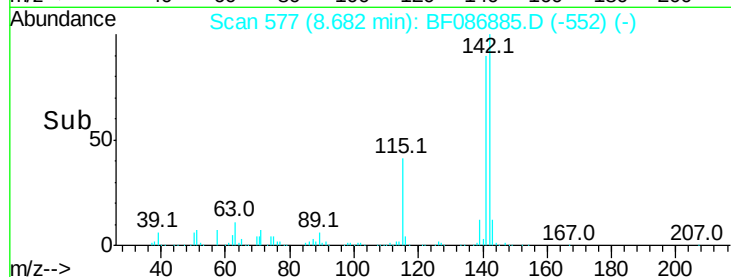
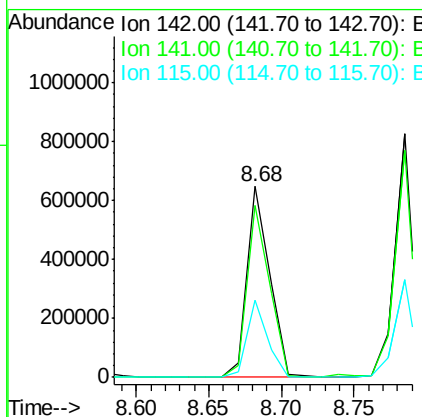
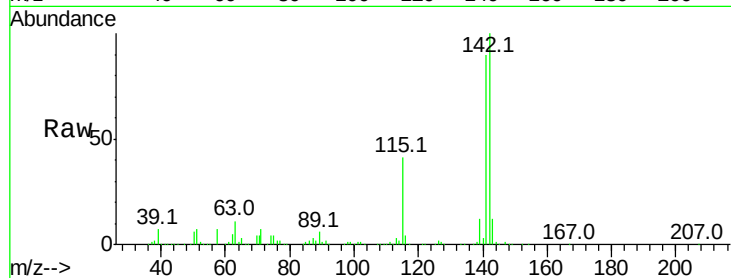




#37
 2-Methylnaphthalene
 Concen: 43.96 ng
 RT: 8.68 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

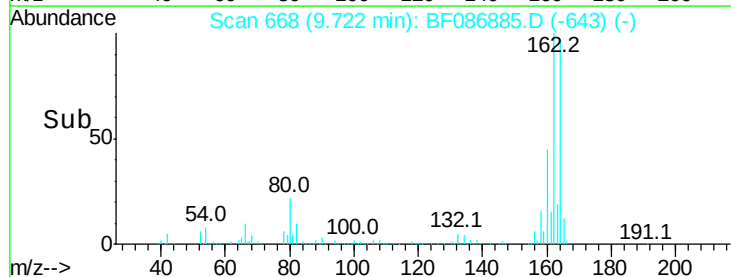
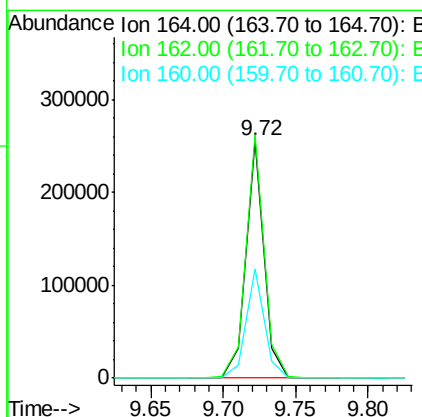
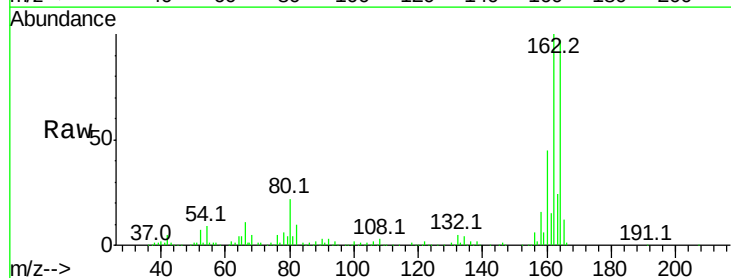
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

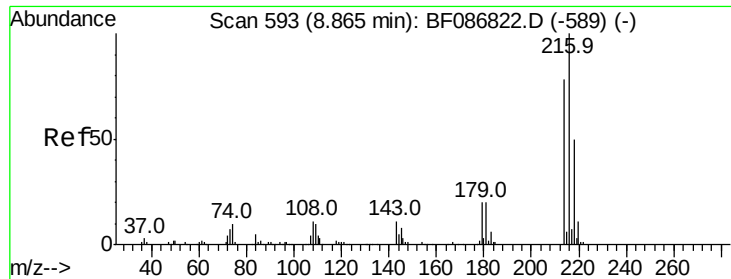
Tot Ion:142 Resp: 698480
 Ion Ratio Lower Upper
 142 100
 141 90.0 71.0 106.6
 115 40.8 26.6 39.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion:164 Resp: 220833
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.8 124.2
 160 46.3 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 51.79 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:216 Resp: 332508

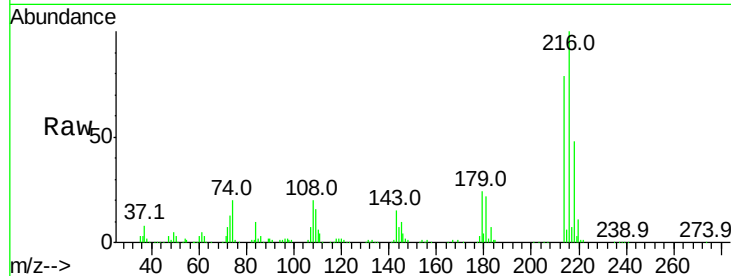
Ion Ratio Lower Upper

216 100

214 78.8 62.6 93.8

179 23.9 18.2 27.4

108 23.9 17.5 26.3

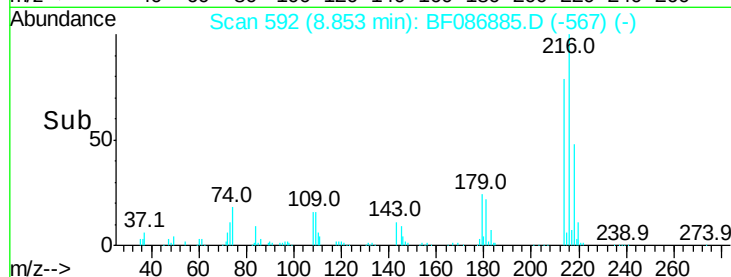


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Abundance

8.85

400000

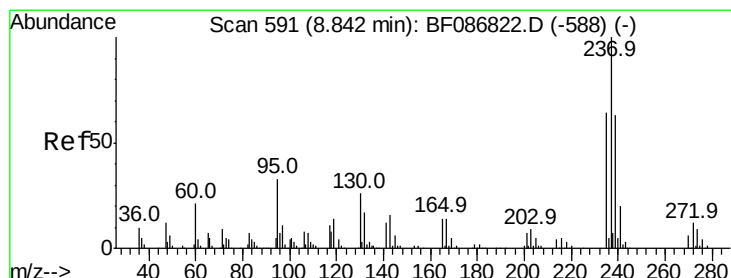
300000

200000

100000

0

Time-->



#40

Hexachlorocyclopentadiene

Concen: 58.11 ng

RT: 8.84 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

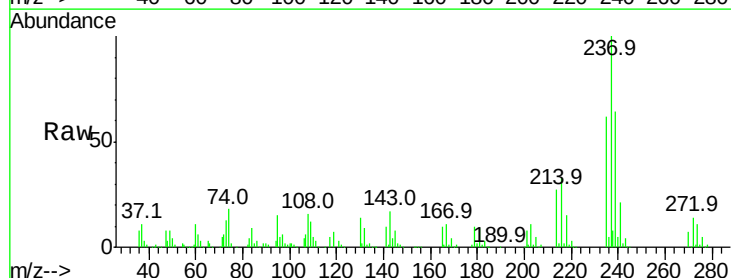
Tgt Ion:237 Resp: 177104

Ion Ratio Lower Upper

237 100

235 61.9 47.2 87.2

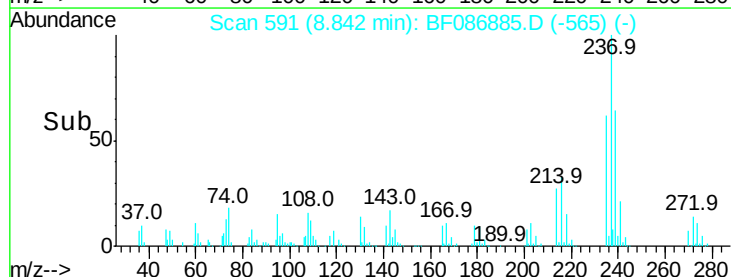
272 14.3 0.0 31.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Abundance

8.84

200000

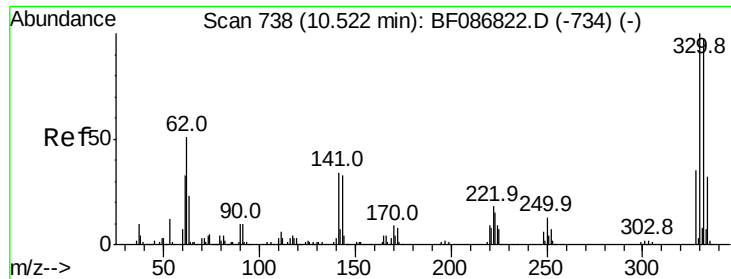
150000

100000

50000

0

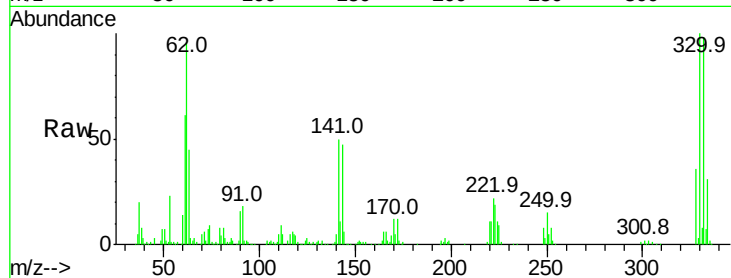
Time-->



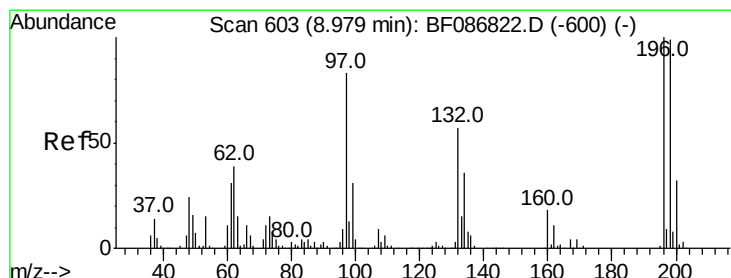
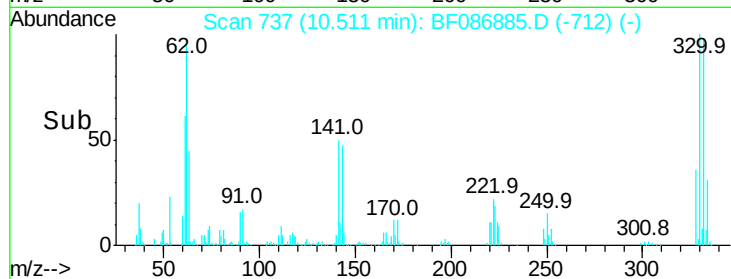
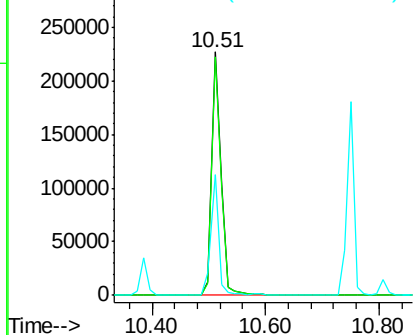
#41
 2,4,6-Tribromophenol
 Concen: 107.46 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion:330 Resp: 251231
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 40.7 31.2 46.8

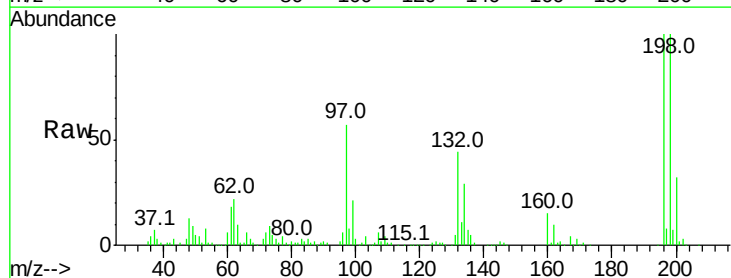


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

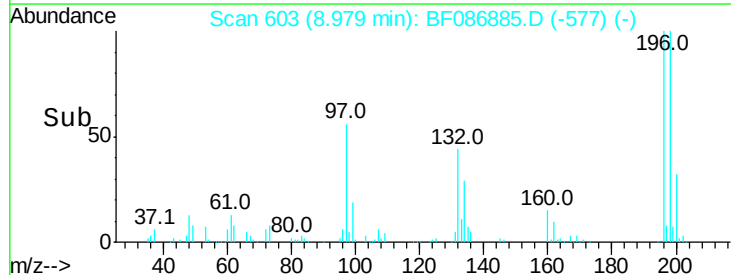
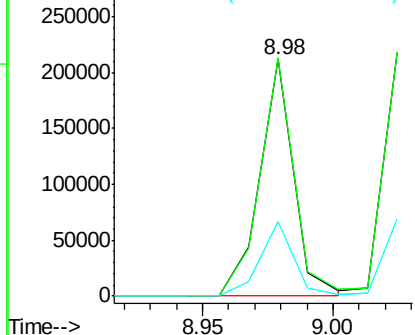


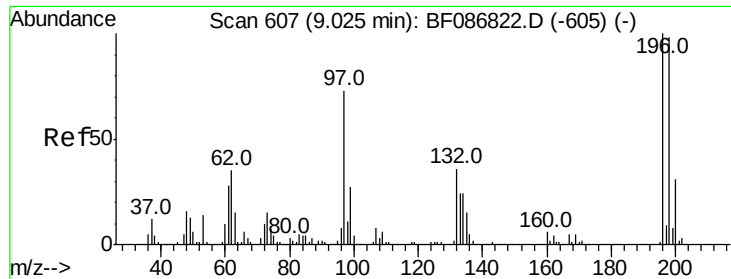
#42
 2,4,6-Trichlorophenol
 Concen: 45.22 ng
 RT: 8.98 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion:196 Resp: 194146
 Ion Ratio Lower Upper
 196 100
 198 100.5 74.7 112.1
 200 31.7 23.8 35.6



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

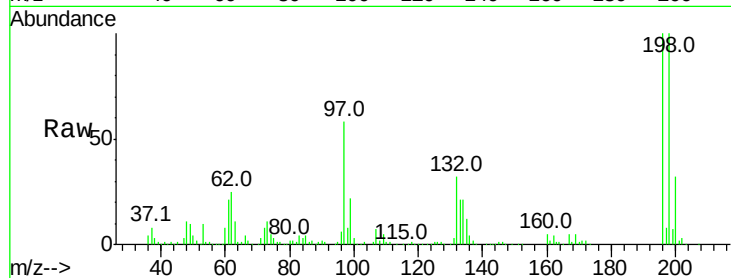




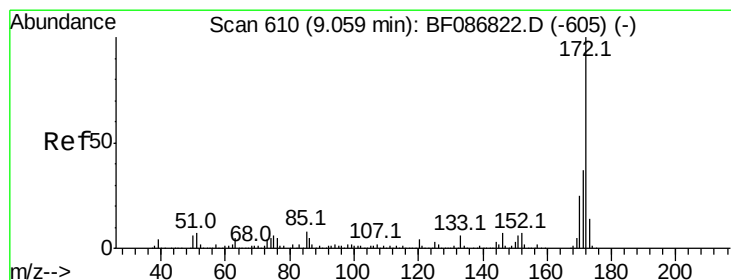
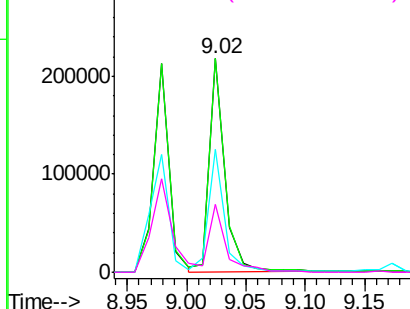
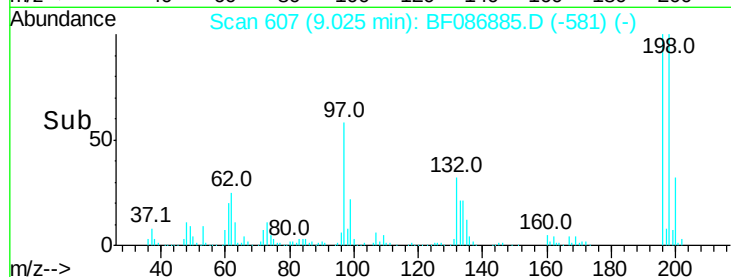
#43
 2,4,5-Trichlorophenol
 Concen: 44.60 ng
 RT: 9.02 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion:196 Resp: 198043
 Ion Ratio Lower Upper
 196 100
 198 100.1 77.5 116.3
 97 57.8 34.8 52.2#
 132 31.7 23.0 34.4

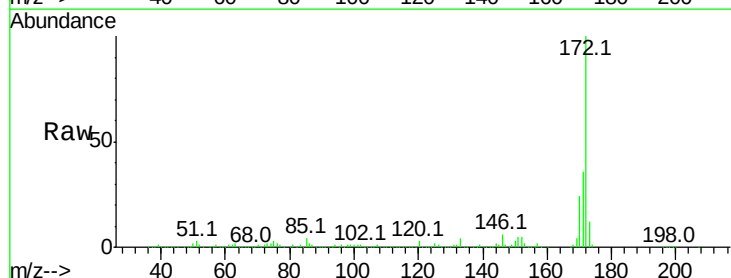


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

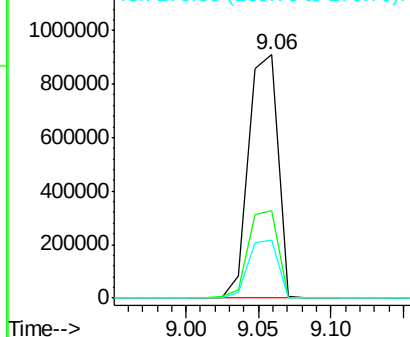
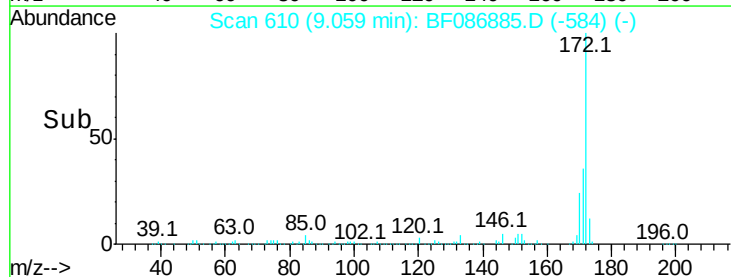


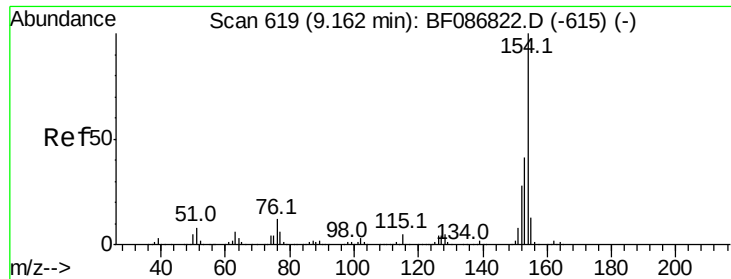
#44
 2-Fluorobiphenyl
 Concen: 97.29 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion:172 Resp: 1278336
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 23.9 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 48.72 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

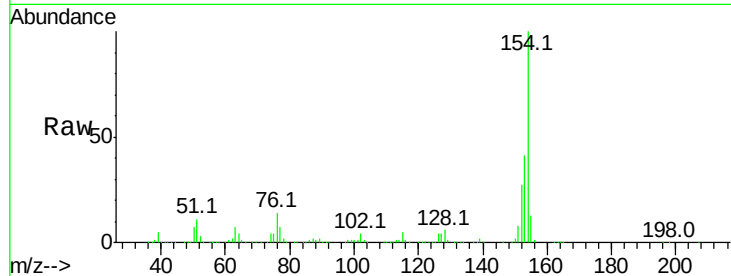
Tot Ion:154 Resp: 855714

Ion Ratio Lower Upper

154 100

153 41.0 20.3 60.3

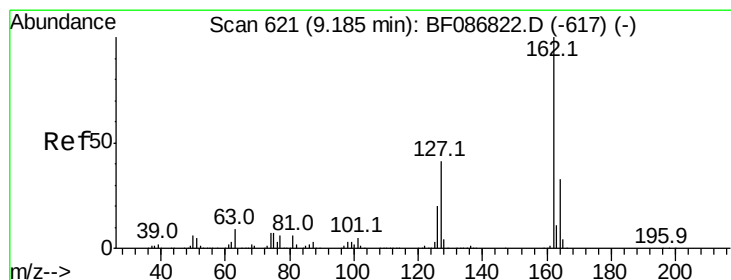
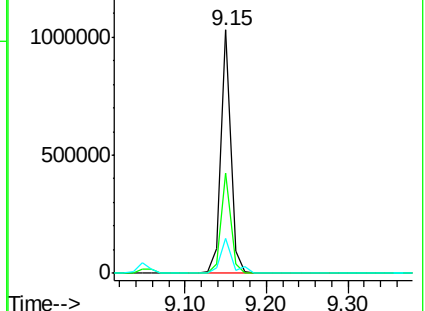
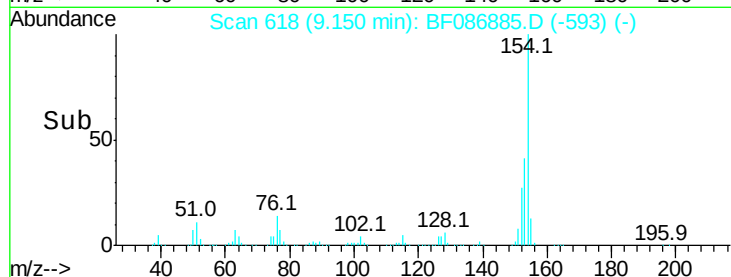
76 14.4 0.0 30.2



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: 46.82 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

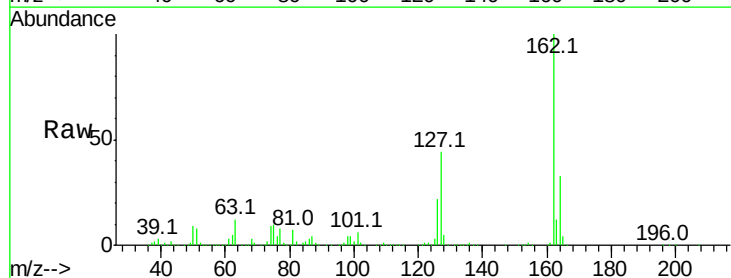
Tgt Ion:162 Resp: 644361

Ion Ratio Lower Upper

162 100

127 44.4 31.8 47.6

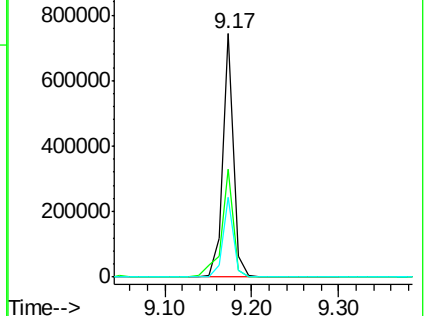
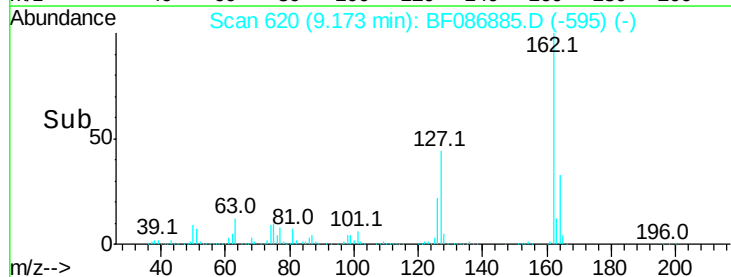
164 32.7 27.0 40.6

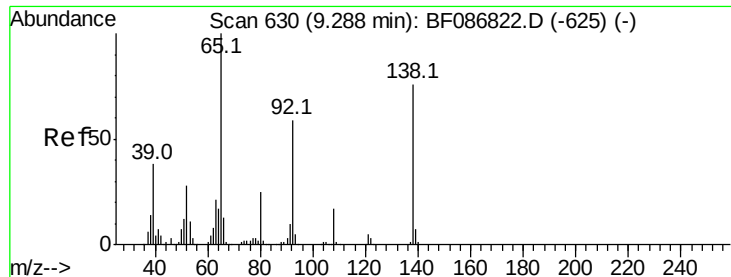


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

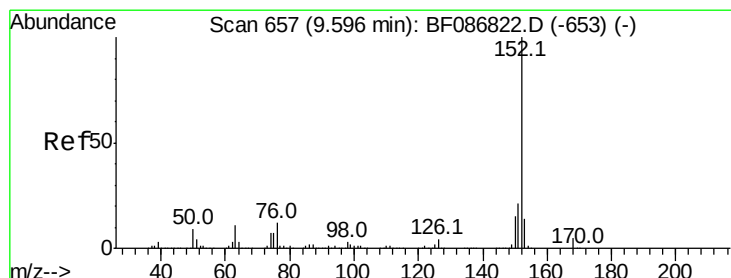
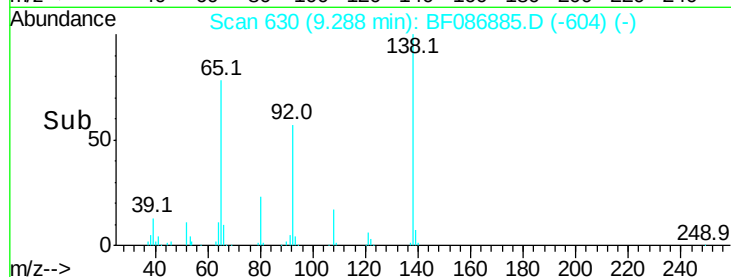
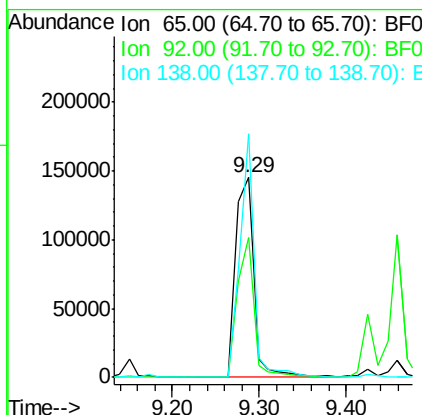
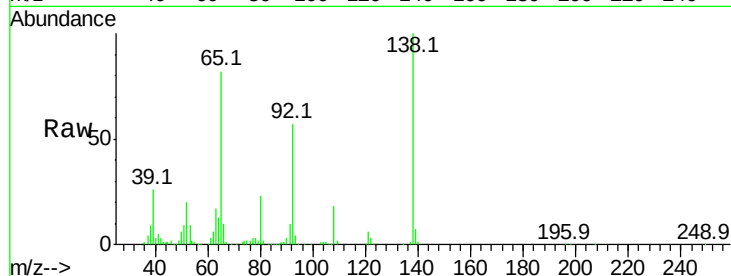




#47
2-Nitroaniline
Concen: 41.81 ng
RT: 9.29 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

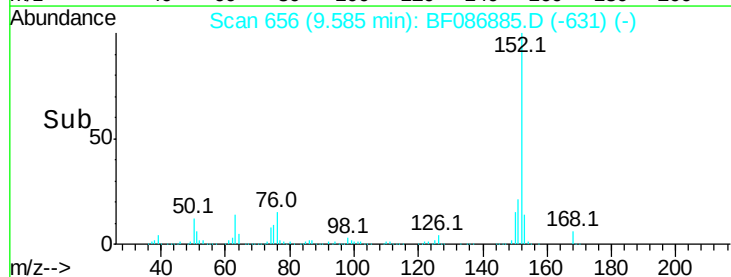
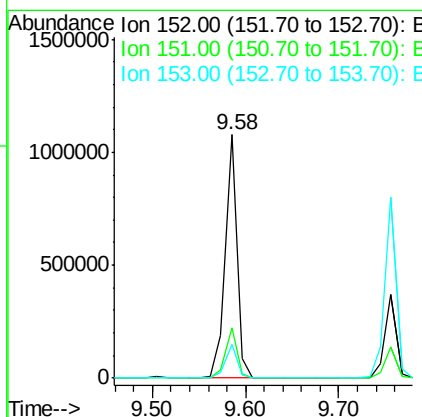
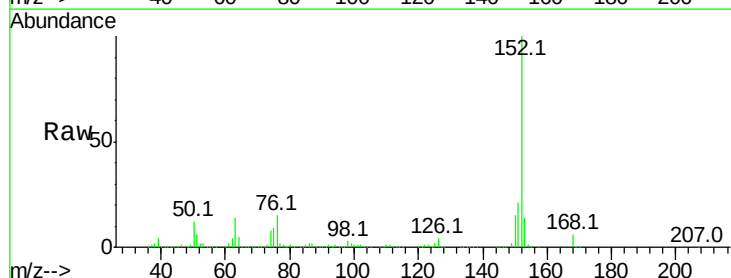
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

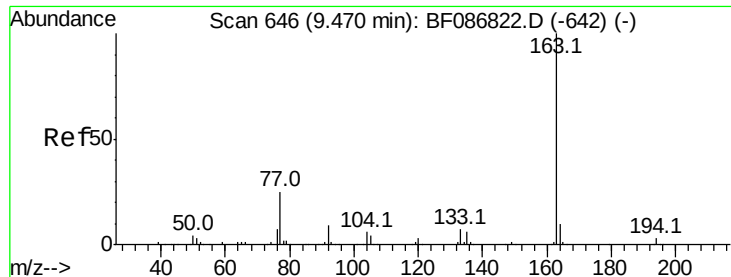
Tot Ion: 65 Resp: 210296
Ion Ratio Lower Upper
65 100
92 70.0 57.4 86.2
138 121.9 90.1 135.1



#48
Acenaphthylene
Concen: 46.44 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion: 152 Resp: 939945
Ion Ratio Lower Upper
152 100
151 20.5 16.8 25.2
153 14.1 10.9 16.3





#49

Dimethylphthalate

Concen: 53.61 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

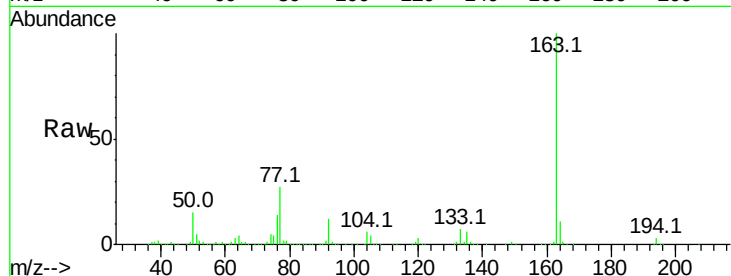
Tot Ion:163 Resp: 903269

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

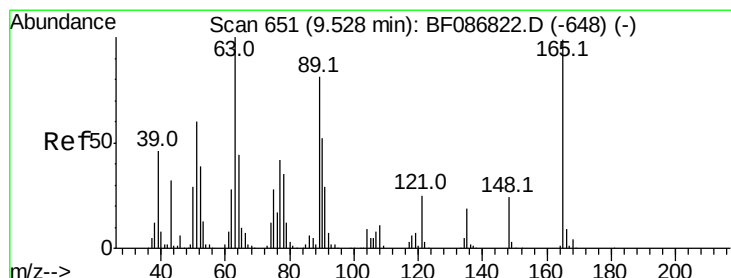
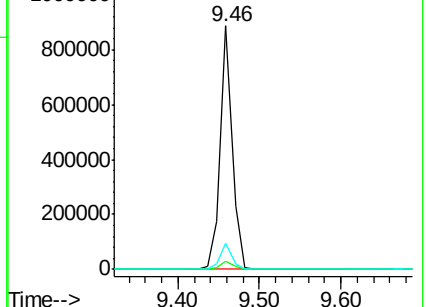
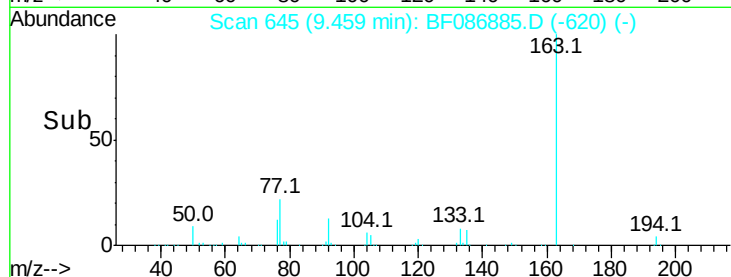
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 45.71 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

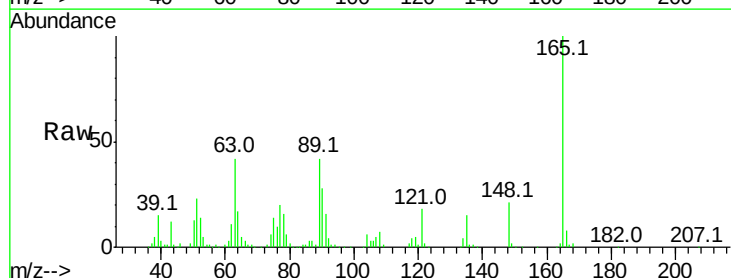
Tgt Ion:165 Resp: 162071

Ion Ratio Lower Upper

165 100

63 42.0 51.8 77.8#

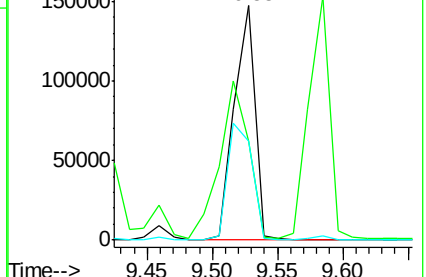
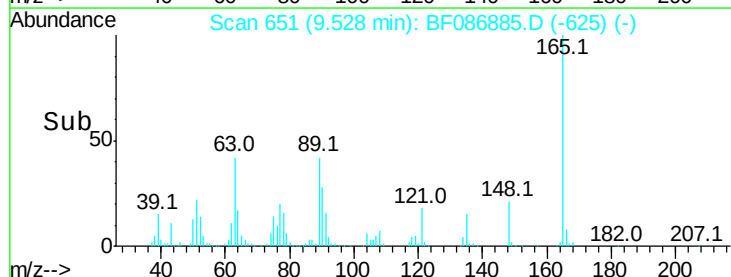
89 42.4 50.7 76.1#

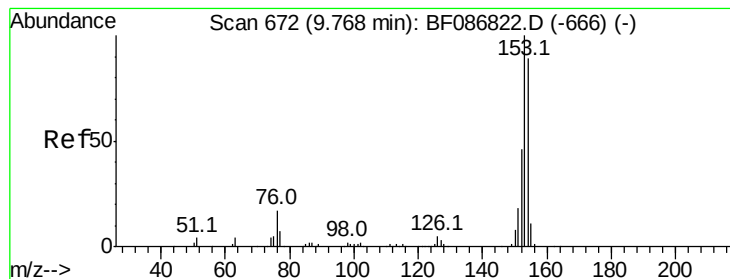


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.70 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

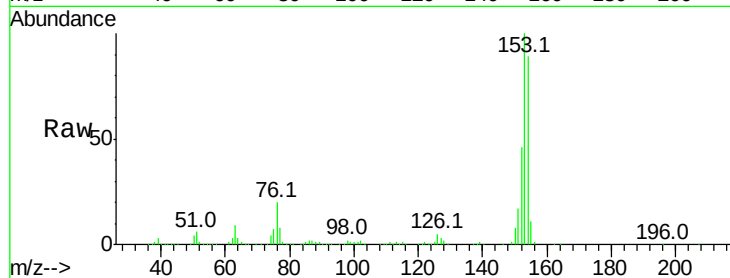
Tot Ion:154 Resp: 600581

Ion Ratio Lower Upper

154 100

153 112.8 89.8 134.6

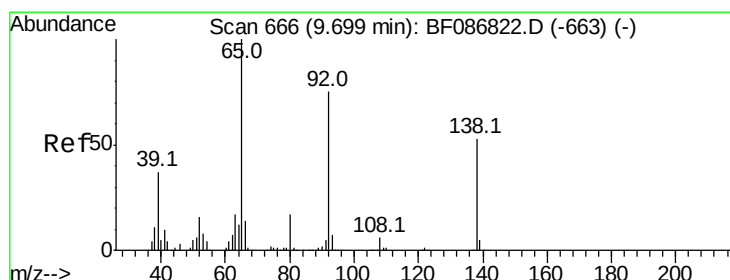
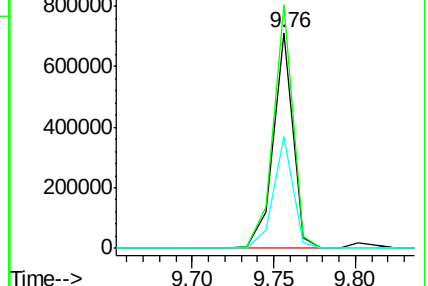
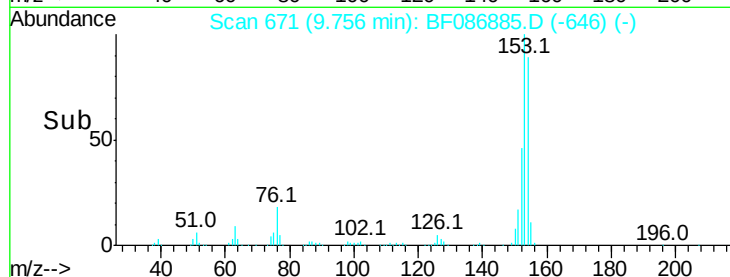
152 51.7 43.4 65.0



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: 23.59 ng

RT: 9.70 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

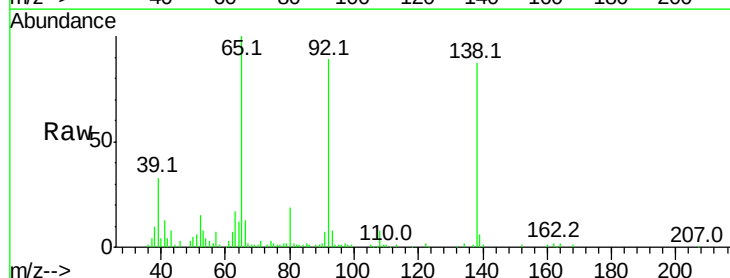
Tgt Ion:138 Resp: 88047

Ion Ratio Lower Upper

138 100

108 9.7 7.8 11.6

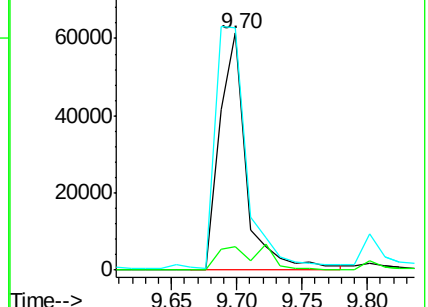
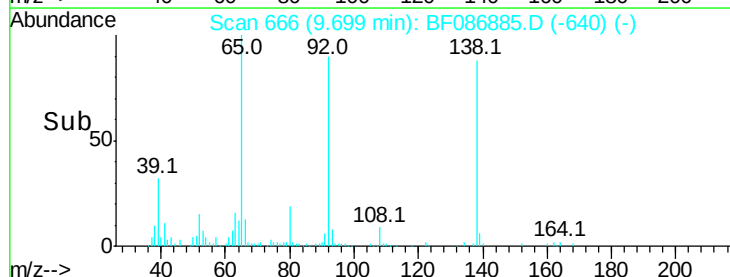
92 102.2 87.8 131.8

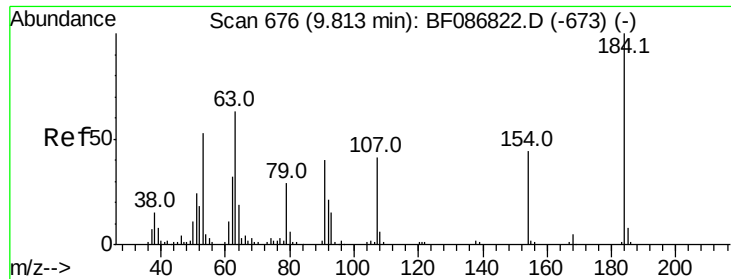


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

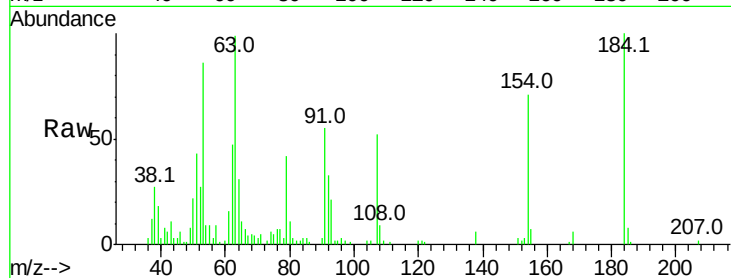




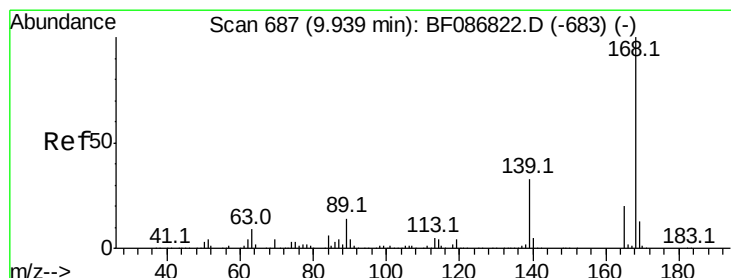
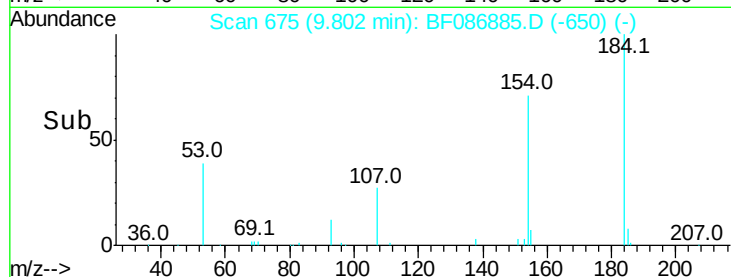
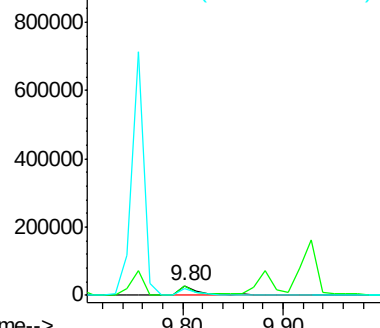
#53
 2,4-Dinitrophenol
 Concen: 28.99 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion:184 Resp: 42701
 Ion Ratio Lower Upper
 184 100
 63 98.6 55.8 83.8#
 154 71.3 62.4 93.6

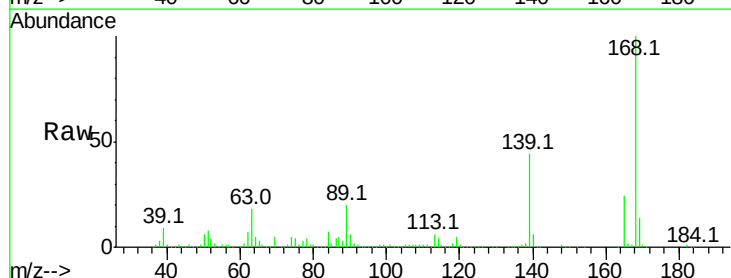


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

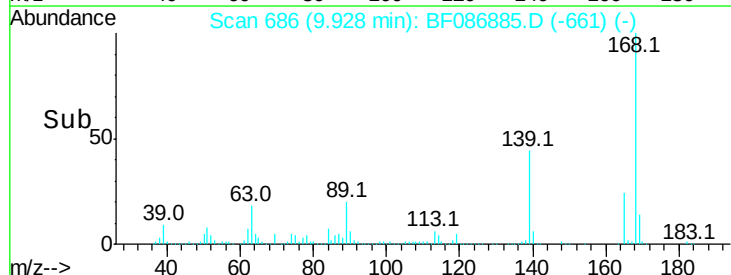
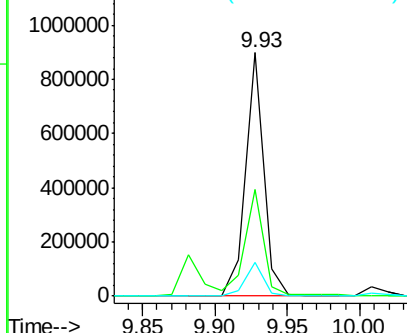


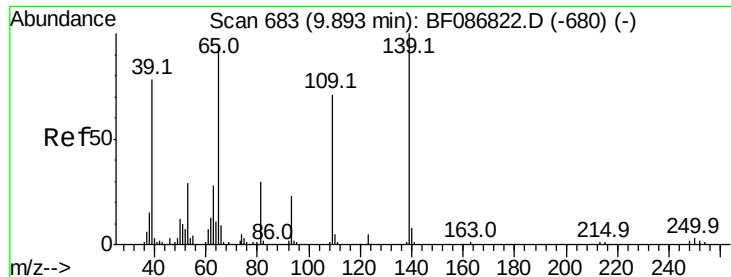
#54
 Dibenzofuran
 Concen: 48.82 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion:168 Resp: 789125
 Ion Ratio Lower Upper
 168 100
 139 43.8 31.4 47.0
 169 13.9 10.7 16.1



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: 63.05 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

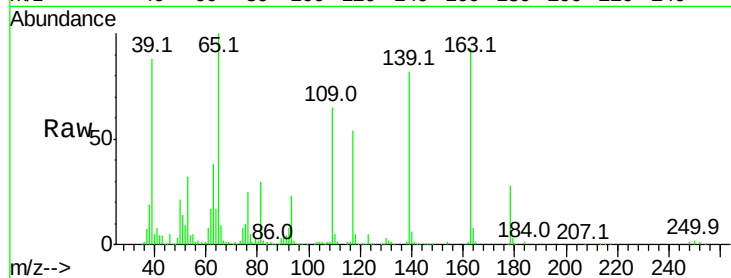
Tot Ion:139 Resp: 154392

Ion Ratio Lower Upper

139 100

109 79.2 36.9 76.9#

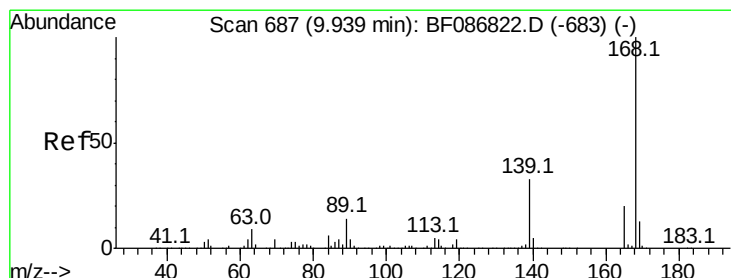
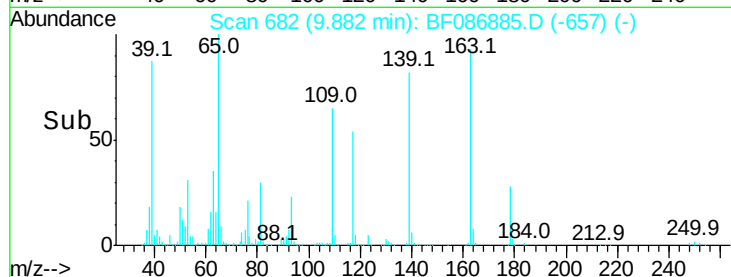
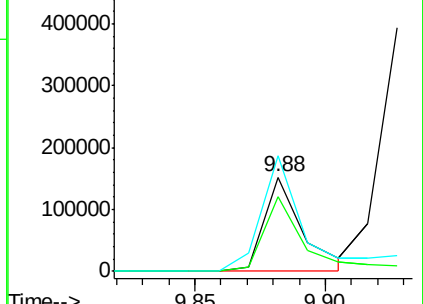
65 122.2 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 44.99 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:165 Resp: 197394

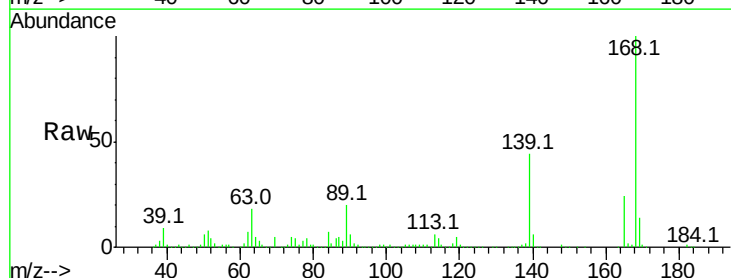
Ion Ratio Lower Upper

165 100

63 75.4 44.3 66.5#

89 83.4 70.0 105.0

182 2.3 1.8 2.6

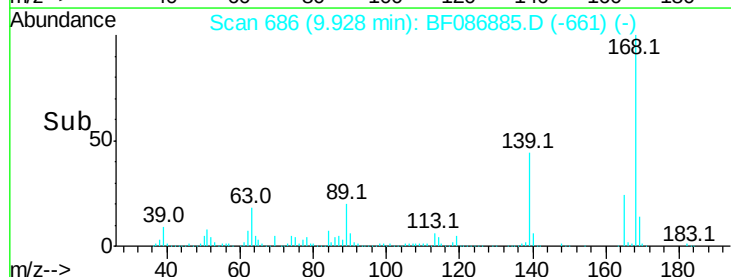
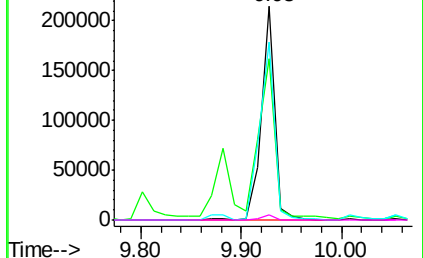


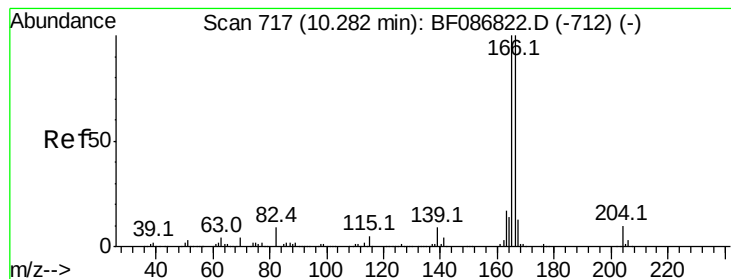
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 47.34 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

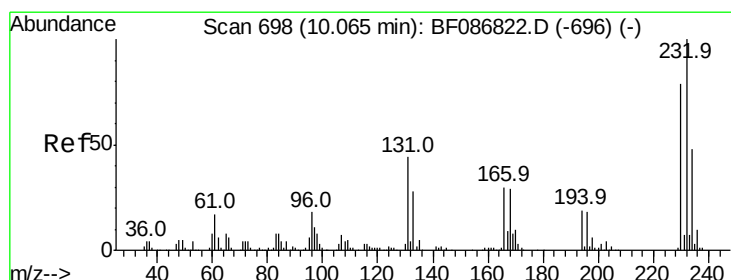
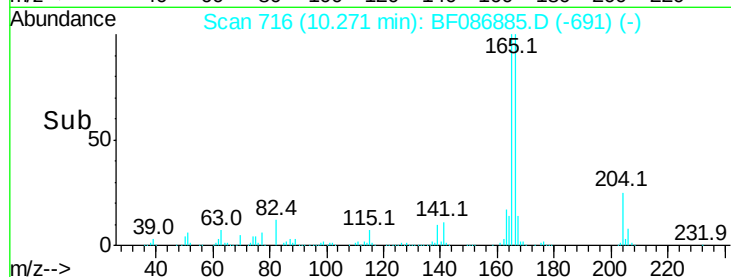
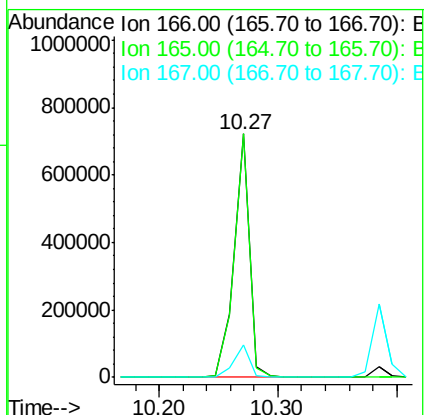
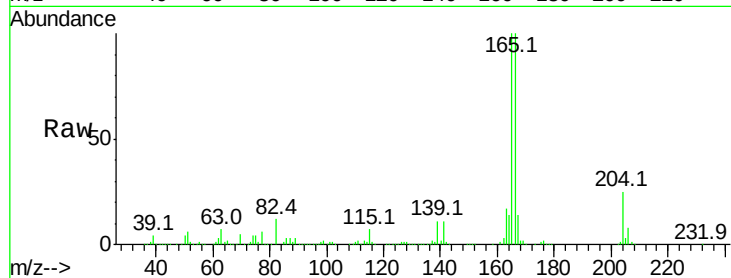
Tot Ion:166 Resp: 652540

Ion Ratio Lower Upper

166 100

165 100.2 79.0 118.6

167 13.6 10.6 15.8



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.19 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:232 Resp: 151063

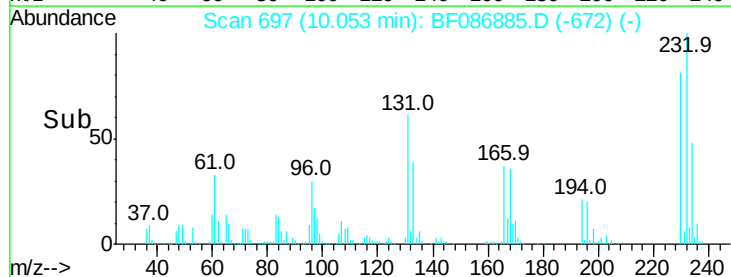
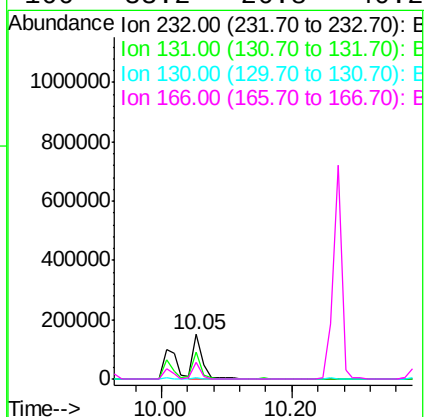
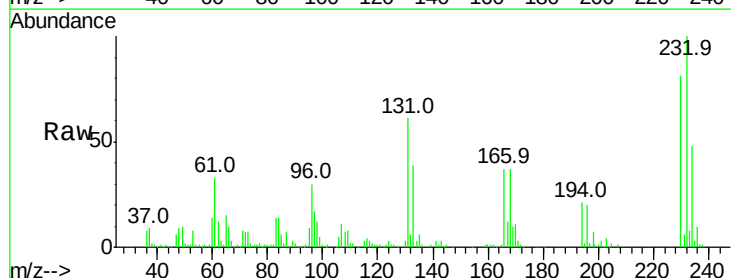
Ion Ratio Lower Upper

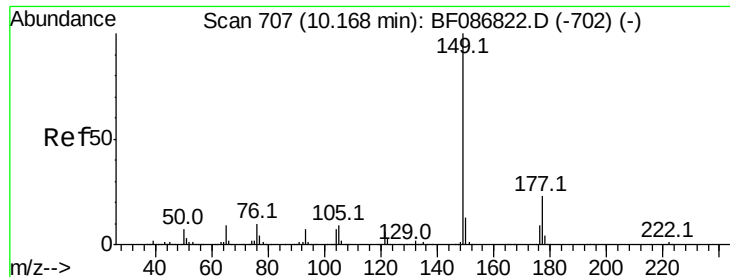
232 100

131 54.4 41.9 62.9

130 3.0 2.2 3.4

166 33.2 26.8 40.2

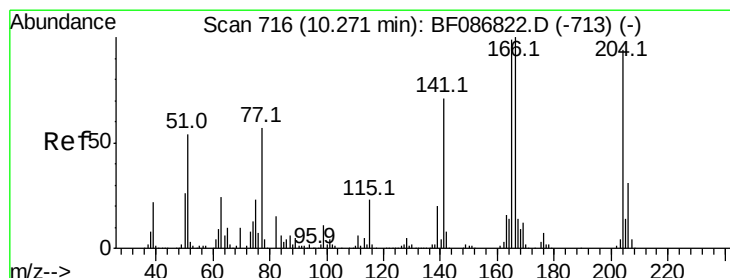
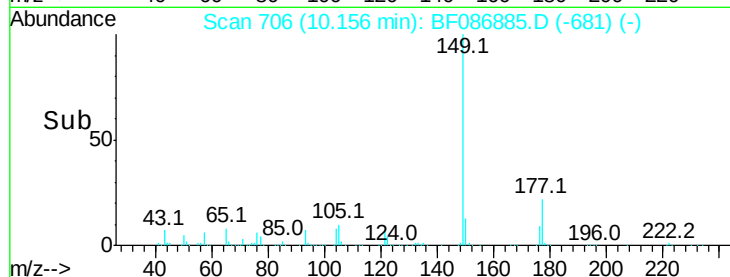
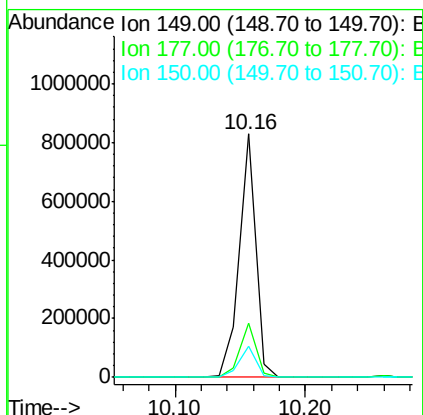
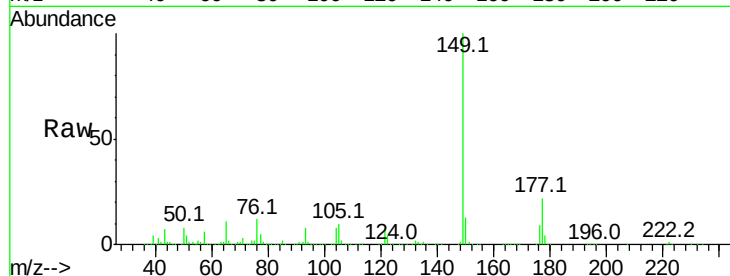




#59
Diethylphthalate
Concen: 44.20 ng
RT: 10.16 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

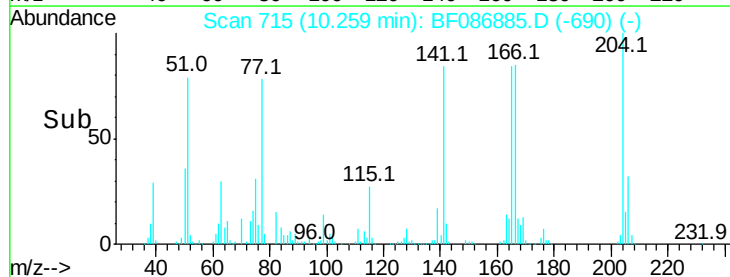
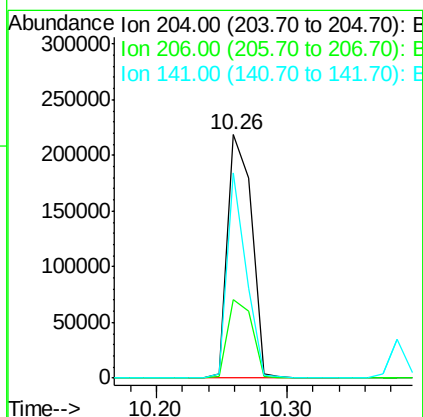
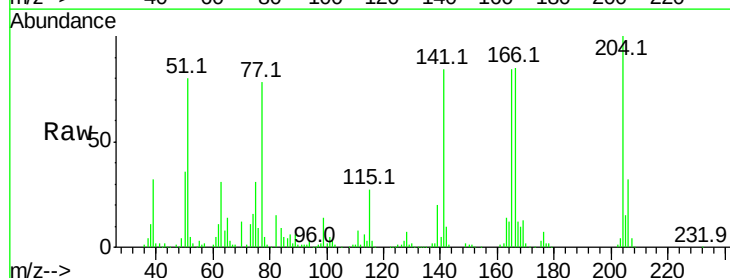
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

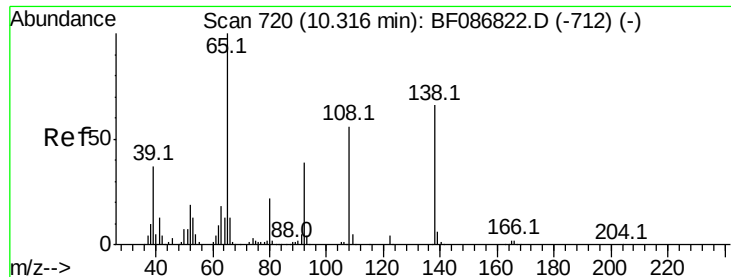
Tot Ion:149 Resp: 725751
Ion Ratio Lower Upper
149 100
177 22.1 16.6 24.8
150 12.9 10.0 15.0



#60
4-Chlorophenyl-phenylether
Concen: 47.34 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion:204 Resp: 280264
Ion Ratio Lower Upper
204 100
206 32.1 25.4 38.0
141 84.3 61.6 92.4

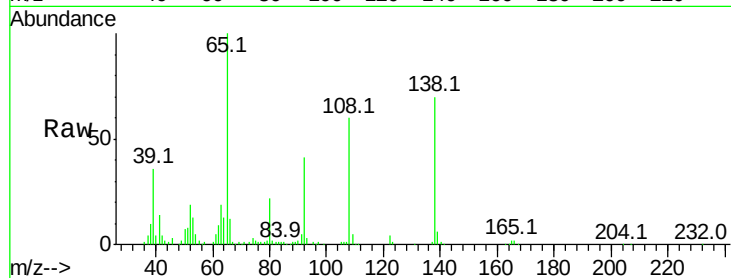




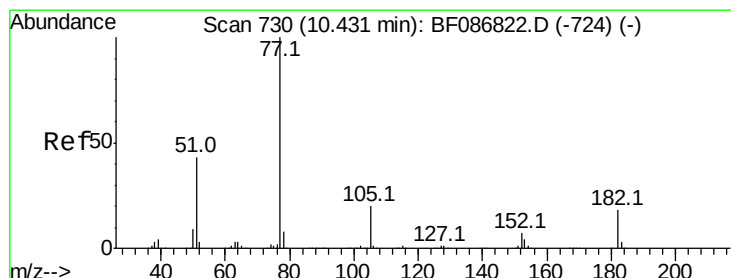
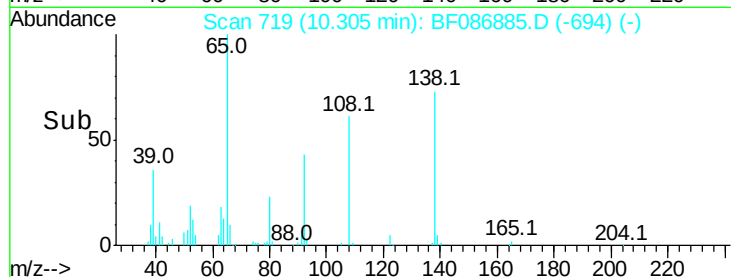
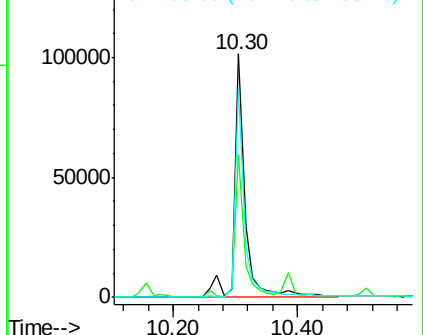
#61
4-Nitroaniline
Concen: 34.01 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion:138 Resp: 121920
Ion Ratio Lower Upper
138 100
92 58.5 24.7 64.7
108 85.5 37.4 77.4#

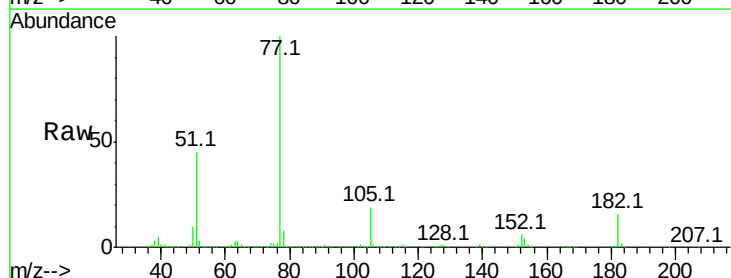


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

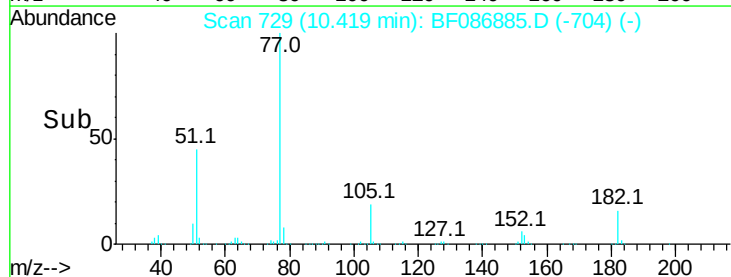
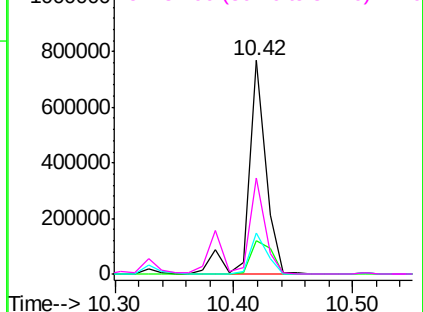


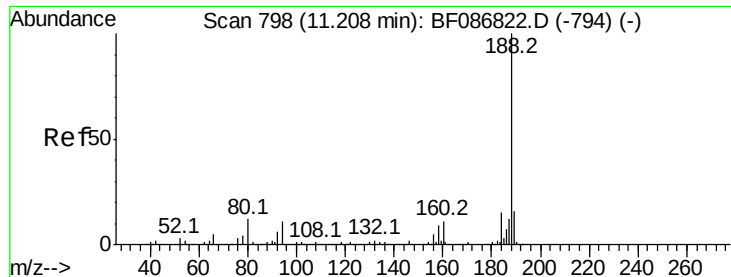
#62
Azobenzene
Concen: 43.94 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion: 77 Resp: 778230
Ion Ratio Lower Upper
77 100
182 15.7 0.0 38.8
105 19.4 3.2 43.2
51 45.0 8.8 48.8



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

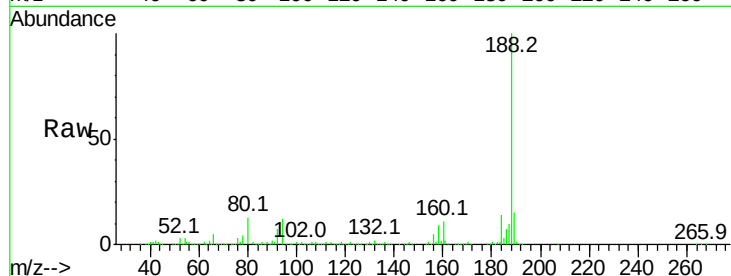




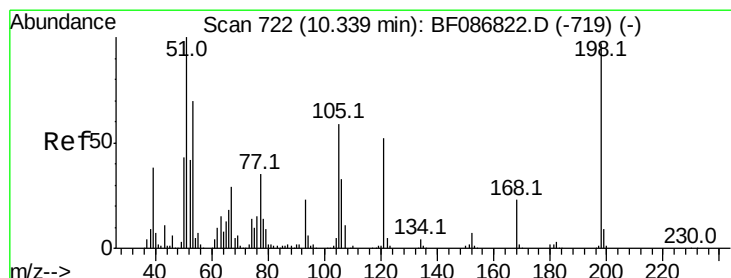
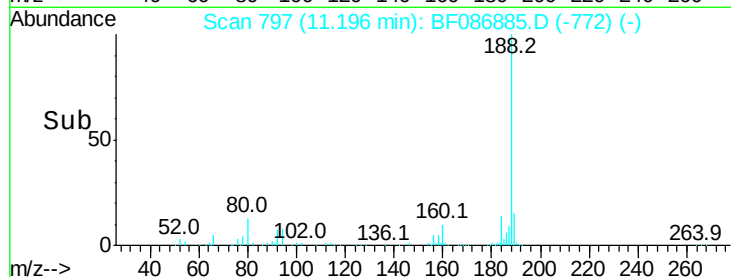
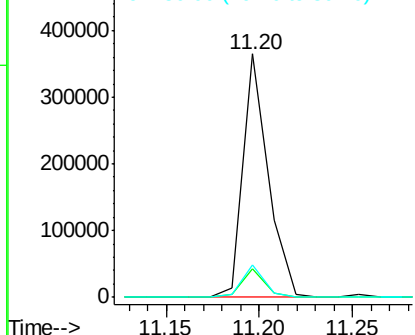
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion:188 Resp: 344268
Ion Ratio Lower Upper
188 100
94 11.8 6.8 10.2#
80 13.5 7.1 10.7#

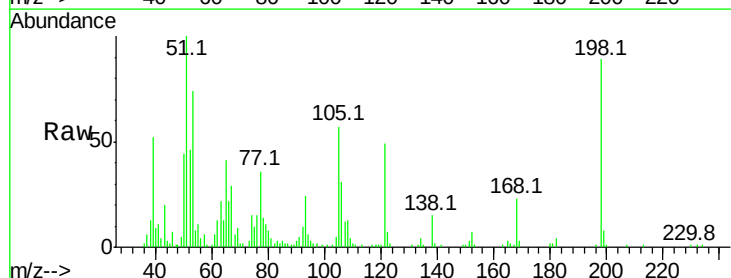


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

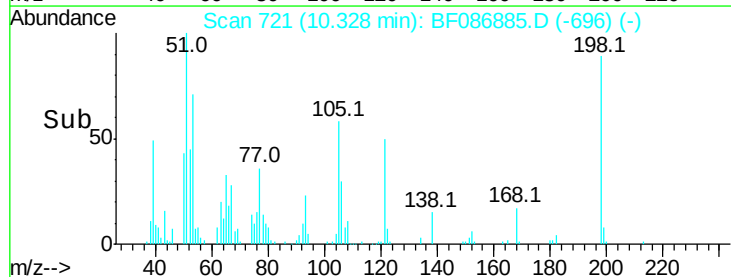
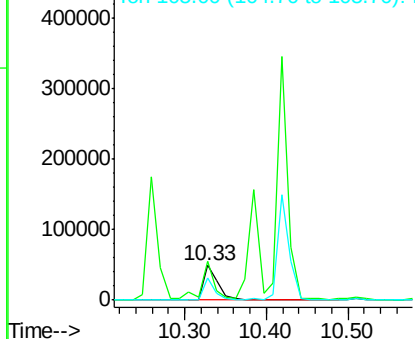


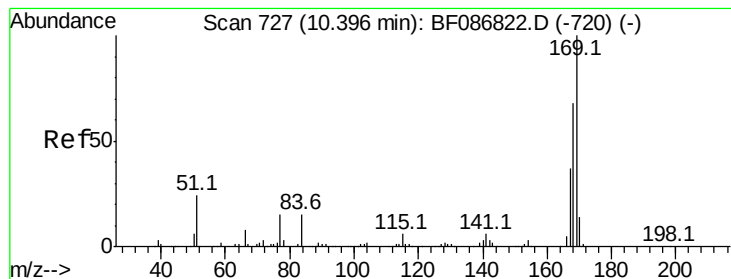
#64
4,6-Dinitro-2-methylphenol
Concen: 29.46 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion:198 Resp: 63012
Ion Ratio Lower Upper
198 100
51 112.5 20.5 60.5#
105 63.7 24.5 64.5



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: 48.63 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

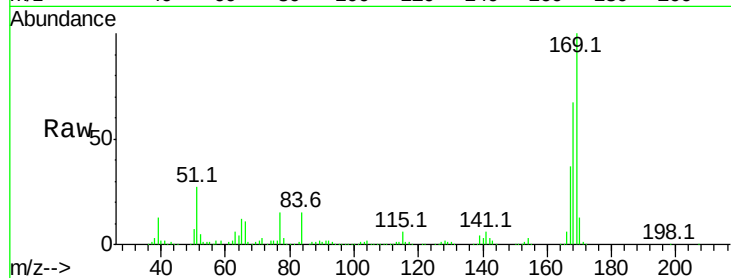
Tot Ion:169 Resp: 514376

Ion Ratio Lower Upper

169 100

168 67.0 53.8 80.6

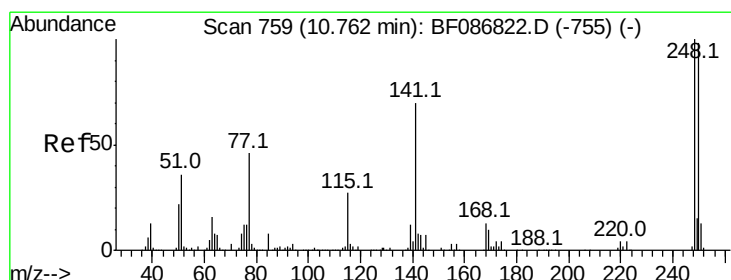
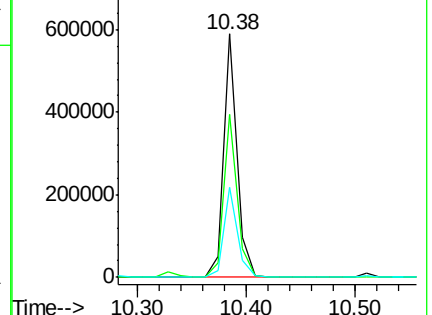
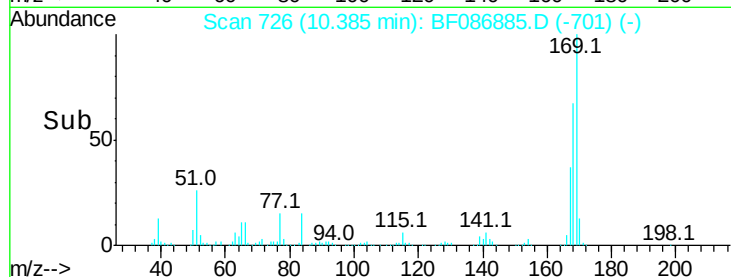
167 36.9 29.5 44.3



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: 49.68 ng

RT: 10.75 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

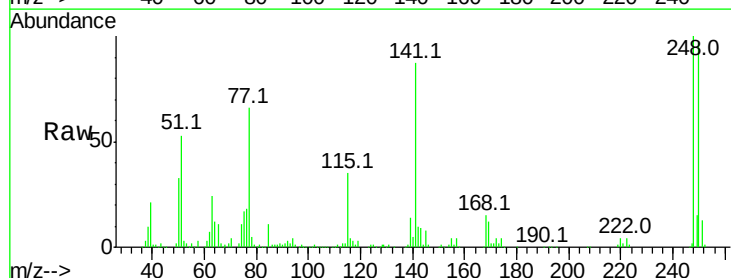
Tgt Ion:248 Resp: 173416

Ion Ratio Lower Upper

248 100

250 97.2 78.6 117.8

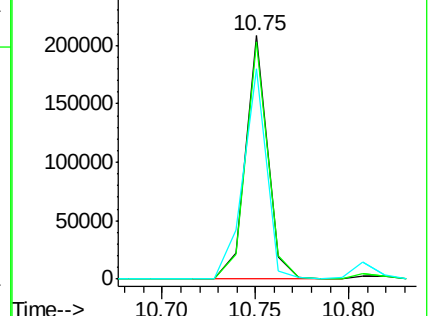
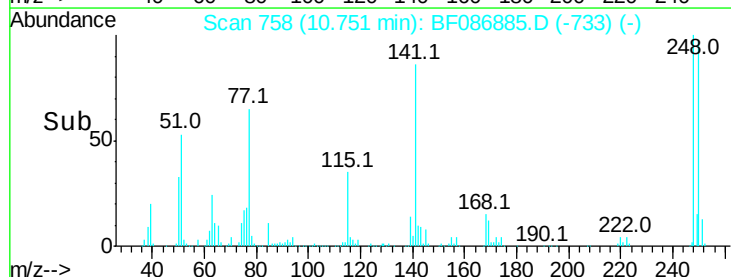
141 86.6 76.0 114.0

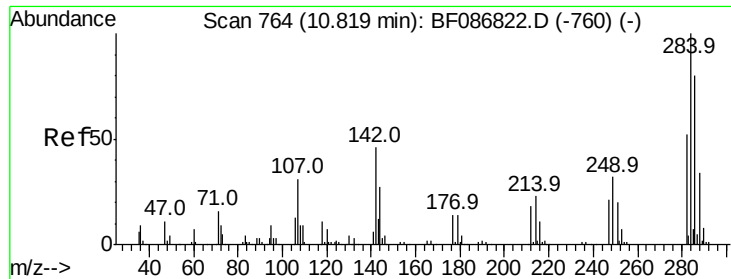


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

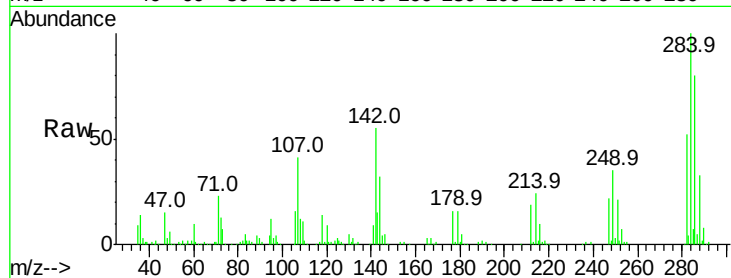




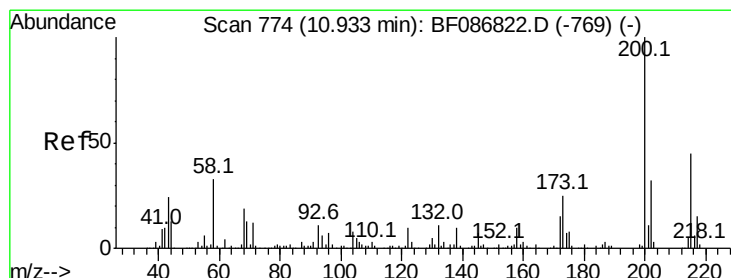
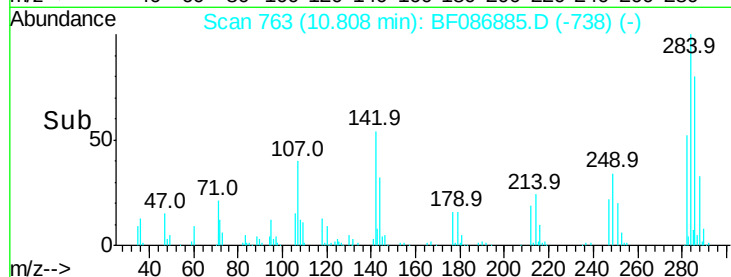
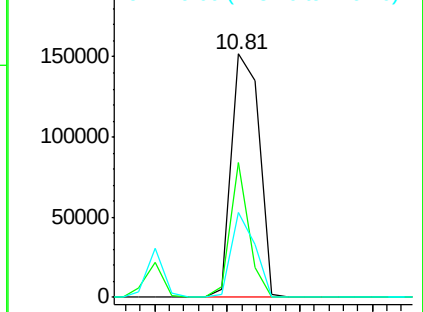
#67
Hexachlorobenzene
Concen: 49.43 ng
RT: 10.81 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	55.2	16.7	25.1#
249	34.7	21.3	31.9#

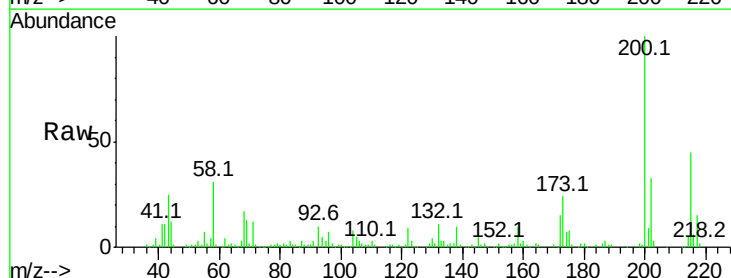


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

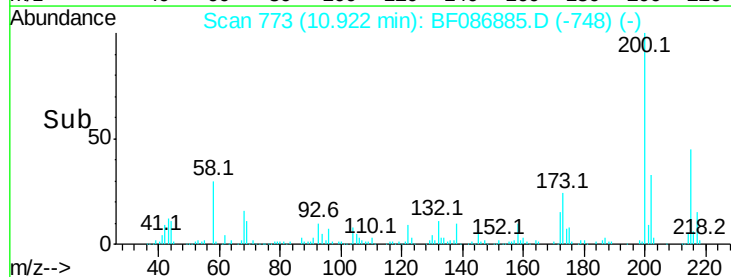
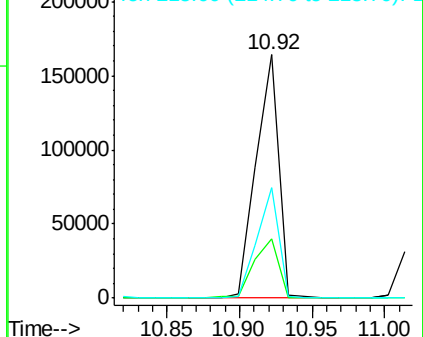


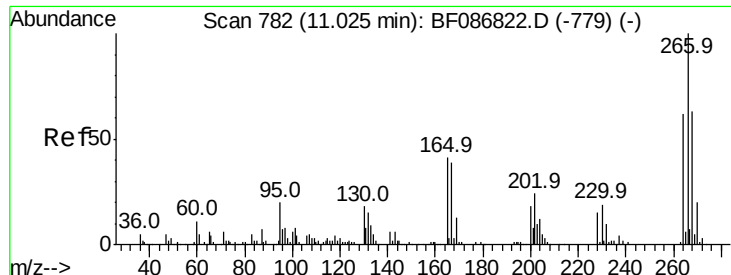
#68
Atrazine
Concen: 50.21 ng
RT: 10.92 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.1	8.5	48.5
215	45.5	27.2	67.2



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

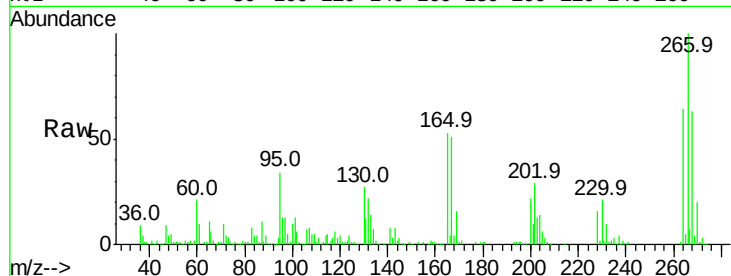




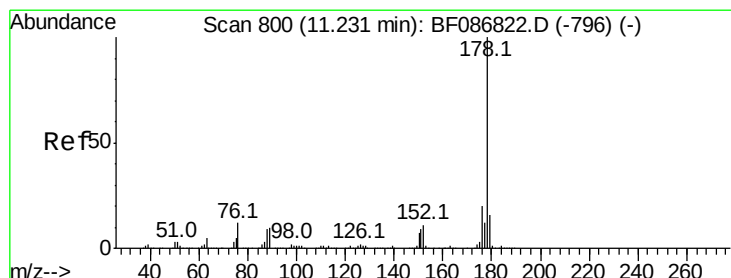
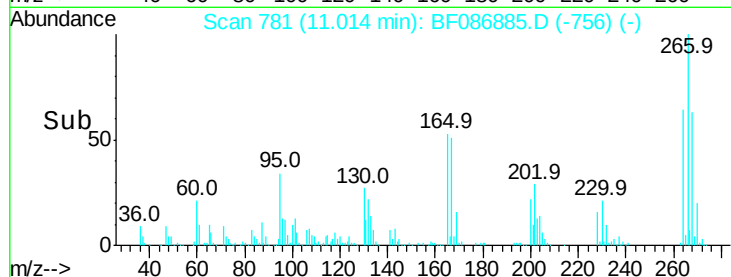
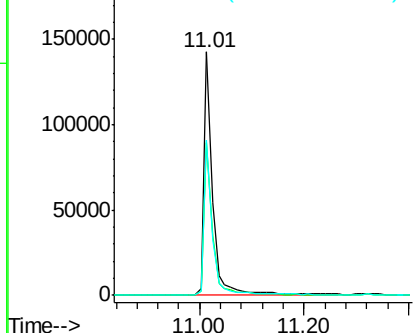
#69
 Pentachlorophenol
 Concen: 90.40 ng
 RT: 11.01 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.5	77.3
264	63.5	52.9	79.3

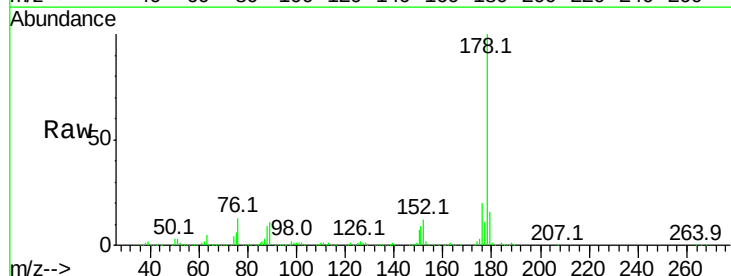


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

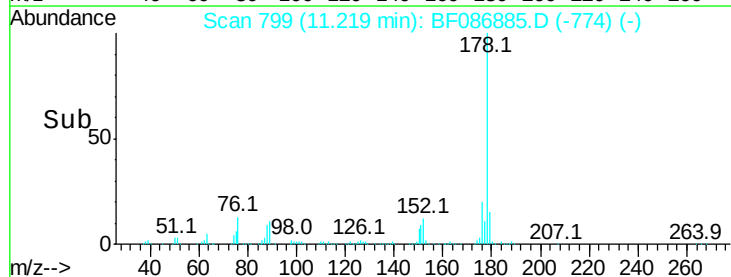
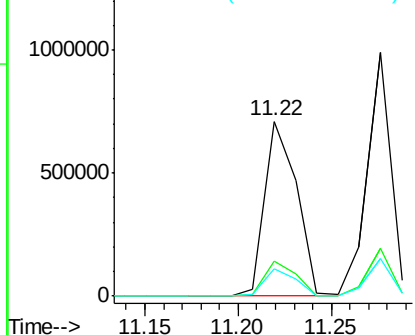


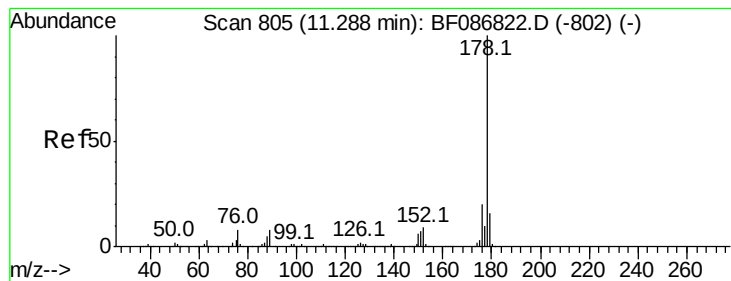
#70
 Phenanthrene
 Concen: 45.63 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.8	12.6	18.8



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





#71

Anthracene

Concen: 46.82 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

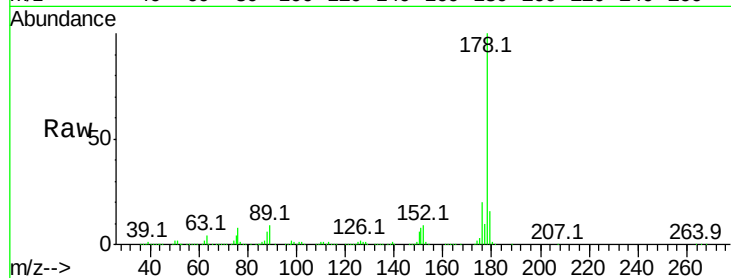
Tot Ion:178 Resp: 879812

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

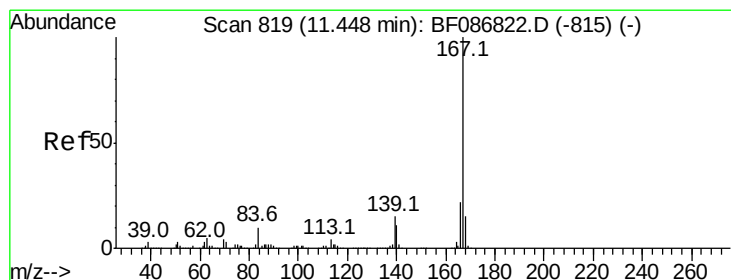
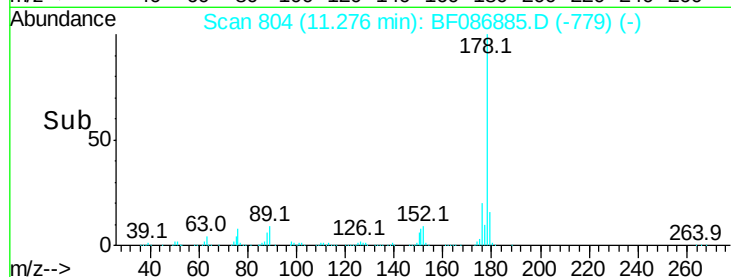
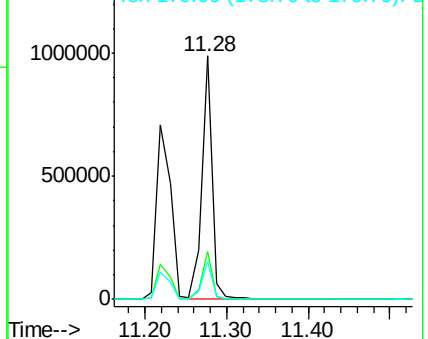
179 15.7 12.7 19.1



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: 44.21 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

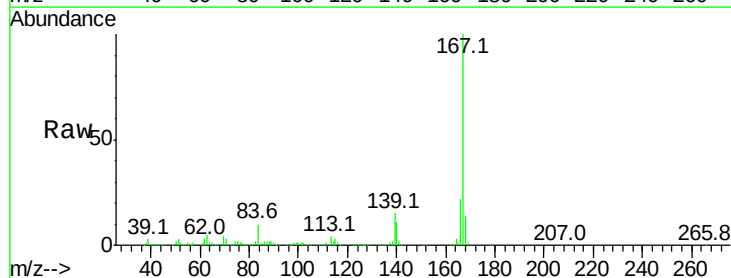
Tgt Ion:167 Resp: 714084

Ion Ratio Lower Upper

167 100

166 22.3 17.7 26.5

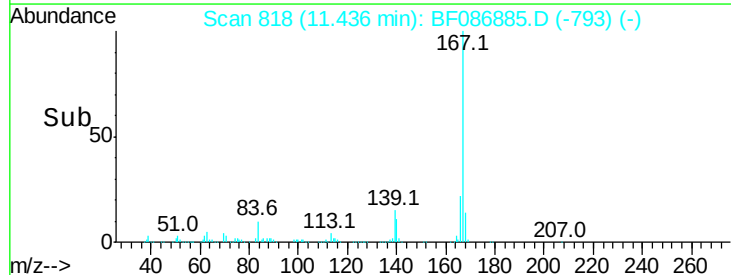
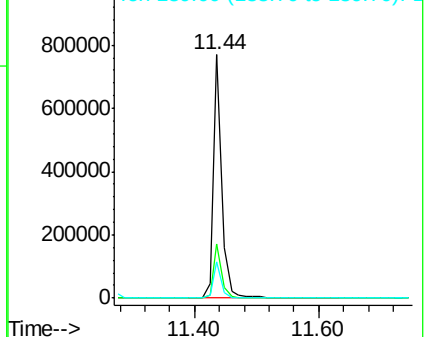
139 14.7 10.8 16.2

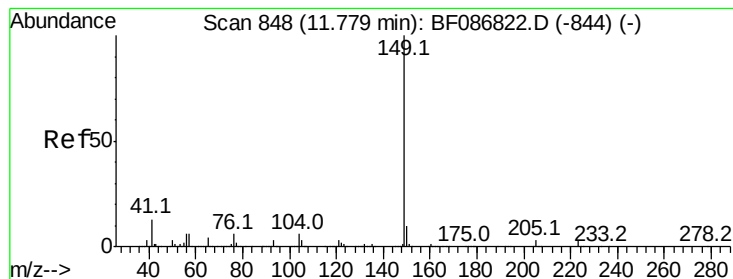


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.35 ng

RT: 11.77 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

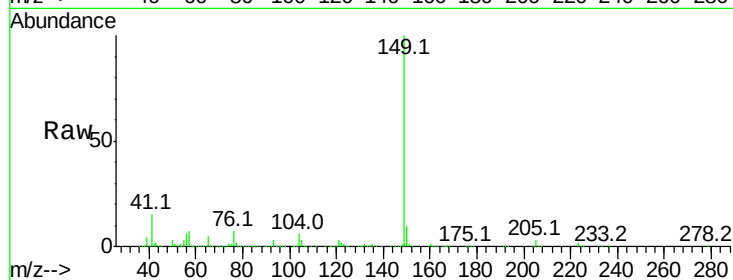
Tot Ion:149 Resp: 933919

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

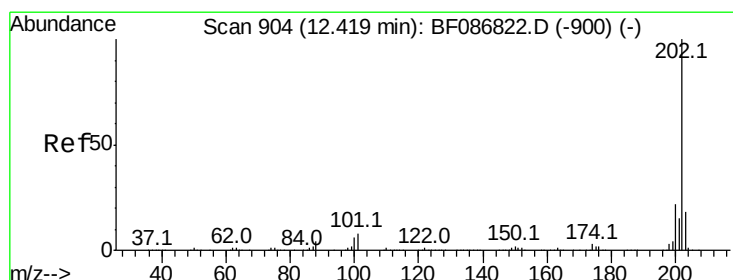
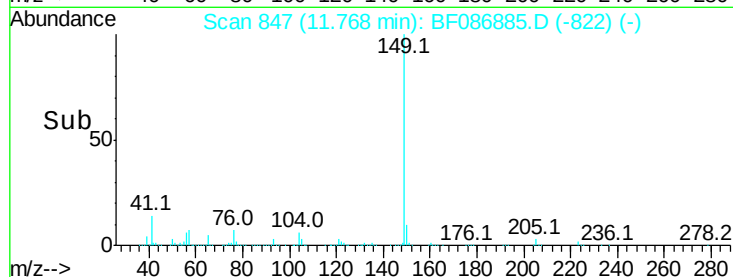
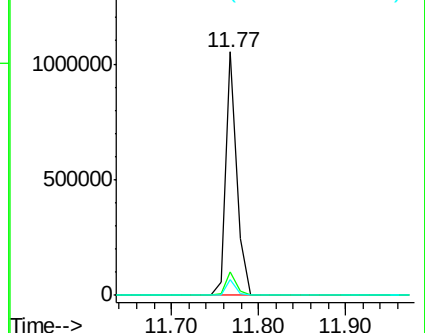
104 6.3 3.8 5.6#



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: 45.43 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

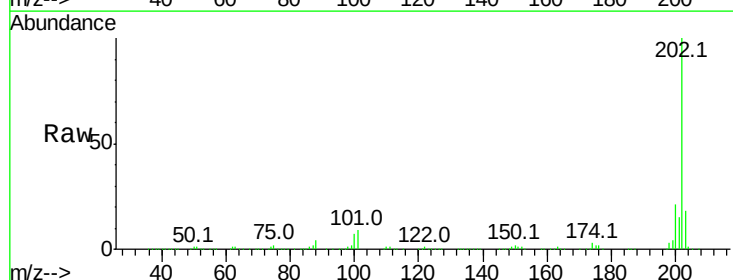
Tgt Ion:202 Resp: 858418

Ion Ratio Lower Upper

202 100

101 8.7 0.0 35.4

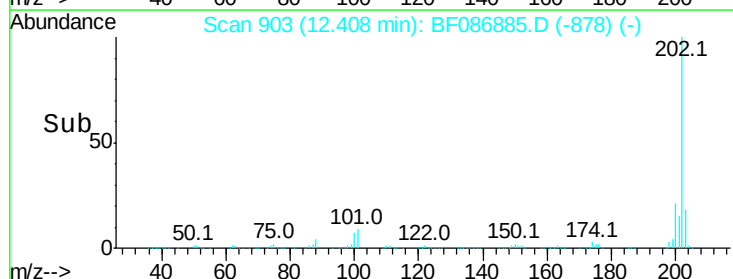
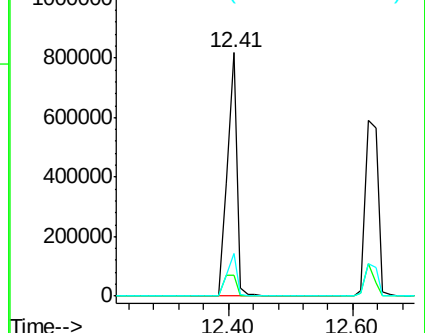
203 17.5 0.0 38.1

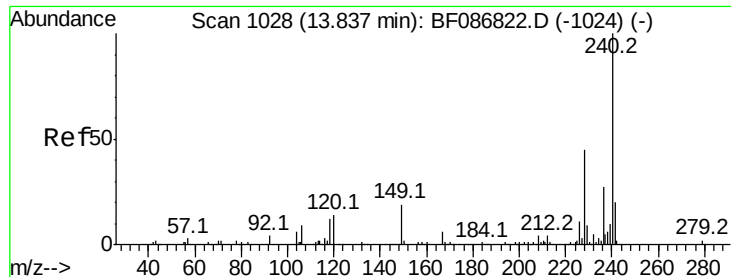


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

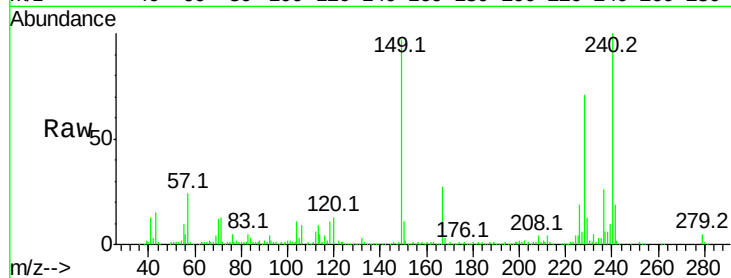
Tot Ion:240 Resp: 256474

Ion Ratio Lower Upper

240 100

120 13.0 11.2 16.8

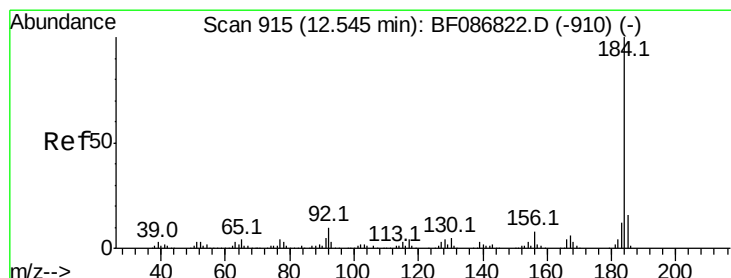
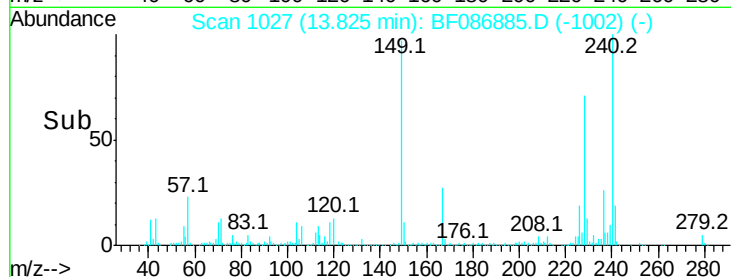
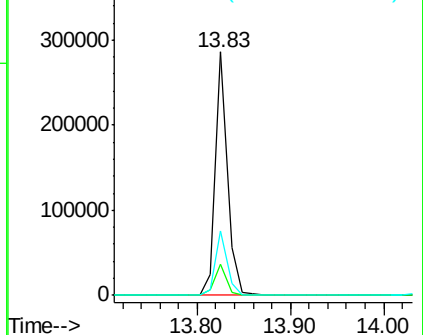
236 26.4 21.2 31.8



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: 33.27 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

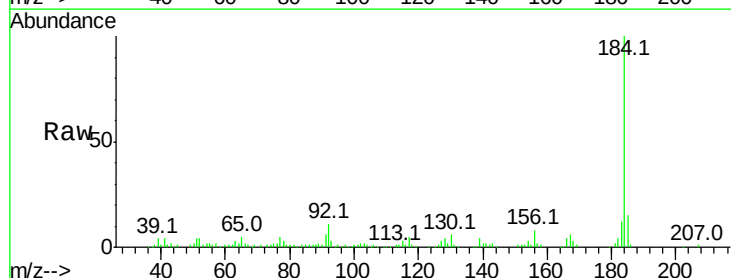
Tgt Ion:184 Resp: 217530

Ion Ratio Lower Upper

184 100

185 14.8 13.6 20.4

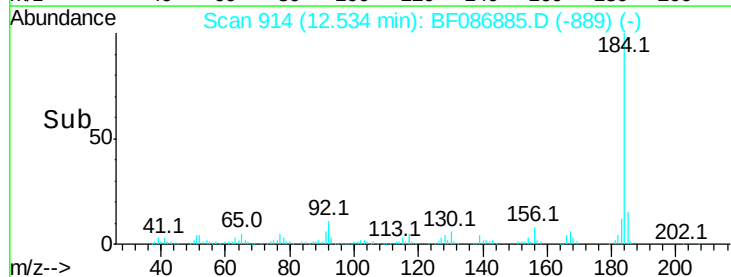
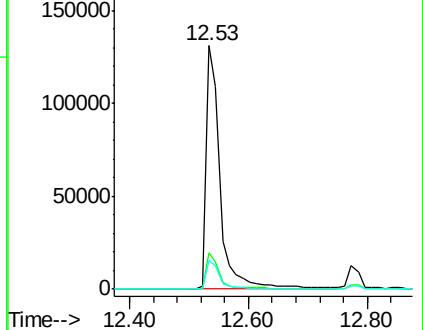
183 11.8 9.8 14.6

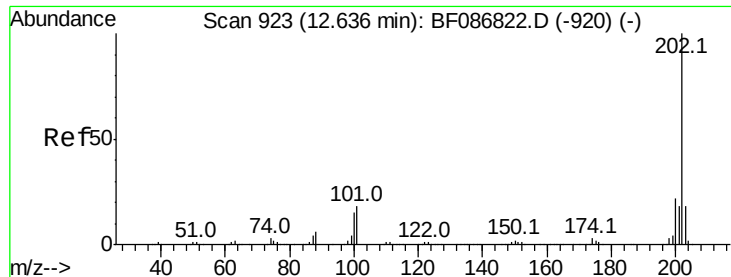


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

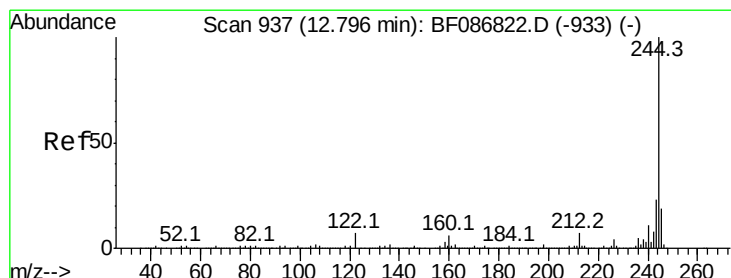
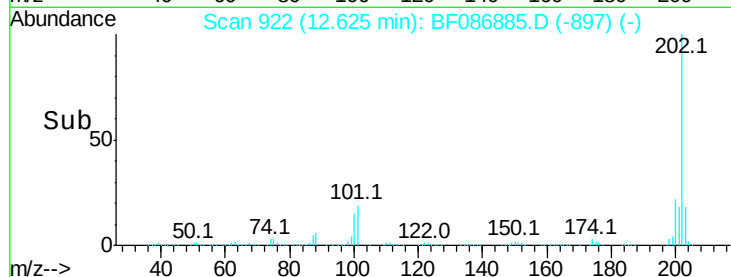
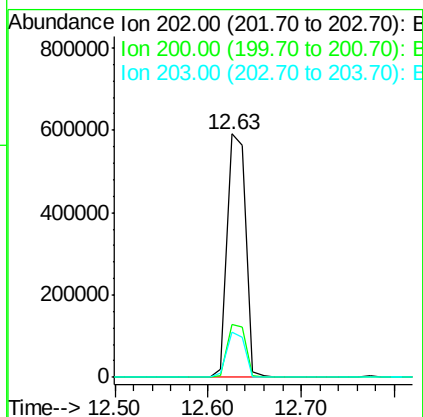
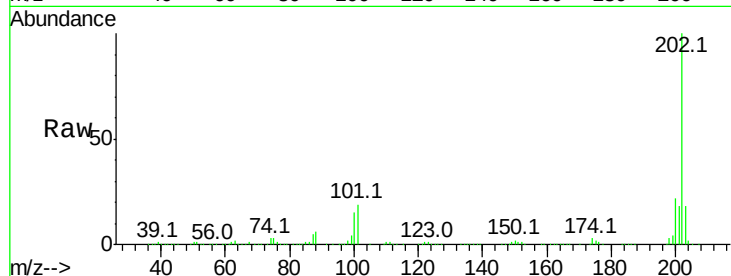




#77
Pvrene
Concen: 41.77 ng
RT: 12.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

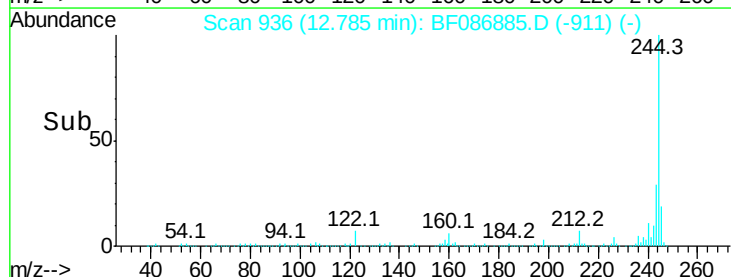
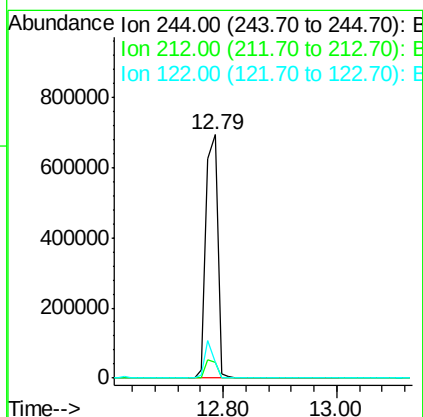
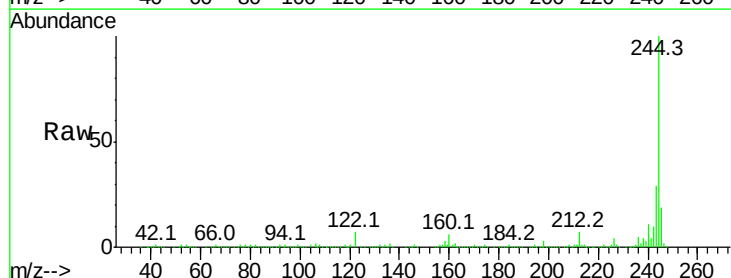
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

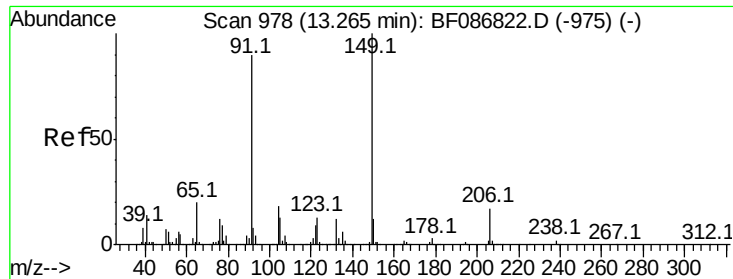
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	18.4	14.2	21.4



#78
Terphenyl-d14
Concen: 77.66 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF086885.D
Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.2	9.2
122	6.6	12.0	18.0#





#79

Butylbenzylphthalate

Concen: 43.98 ng

RT: 13.25 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

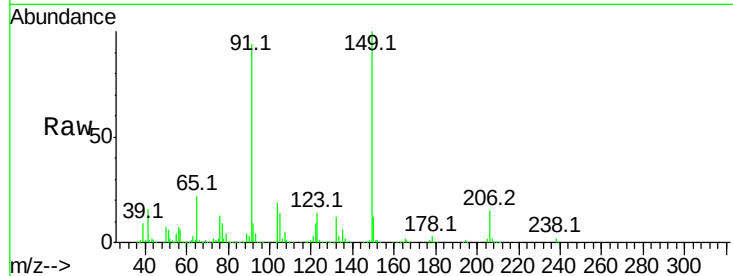
Tot Ion:149 Resp: 365270

Ion Ratio Lower Upper

149 100

91 93.7 48.0 72.0#

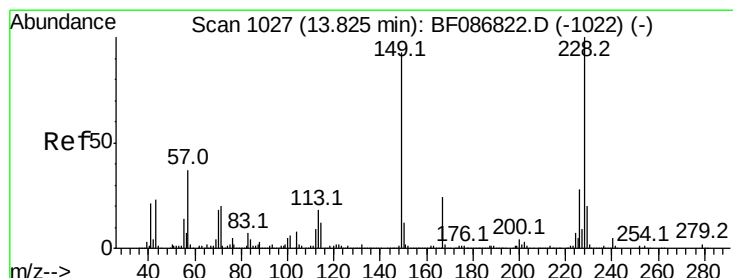
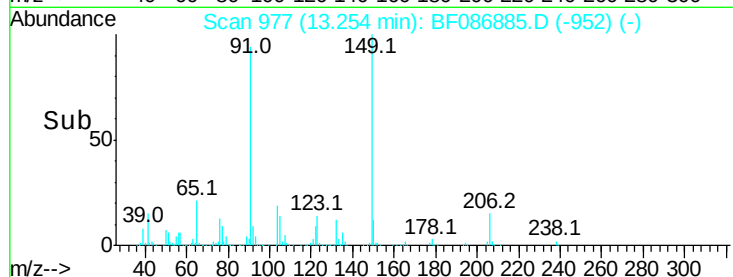
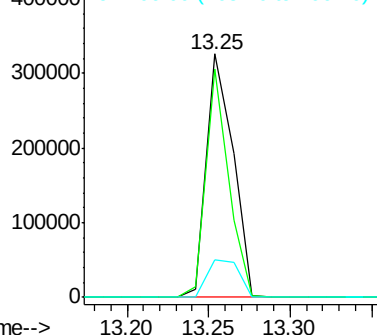
206 15.4 15.8 23.6#



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: 45.15 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

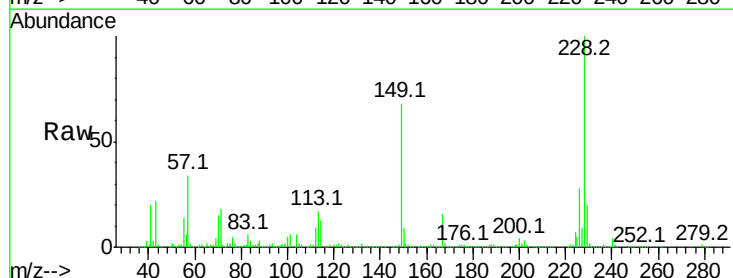
Tgt Ion:228 Resp: 650052

Ion Ratio Lower Upper

228 100

226 27.8 22.5 33.7

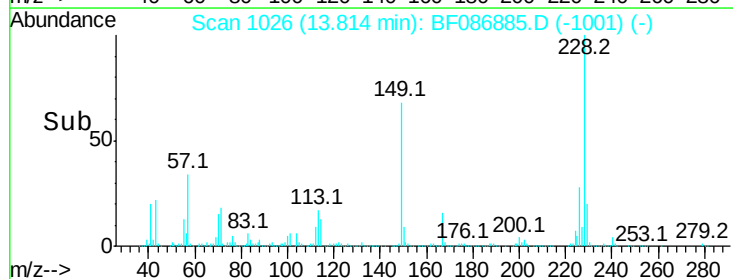
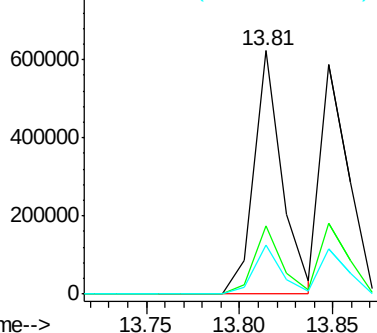
229 20.0 16.6 25.0

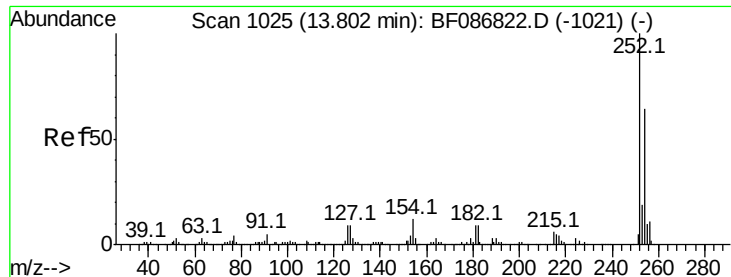


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

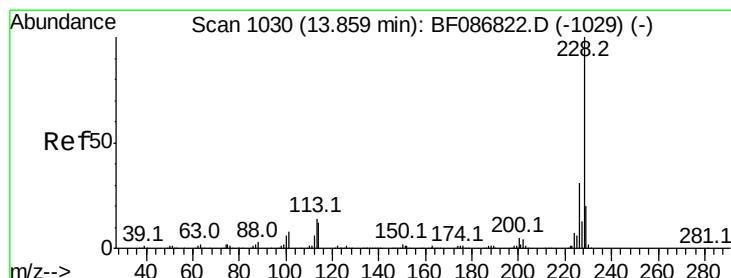
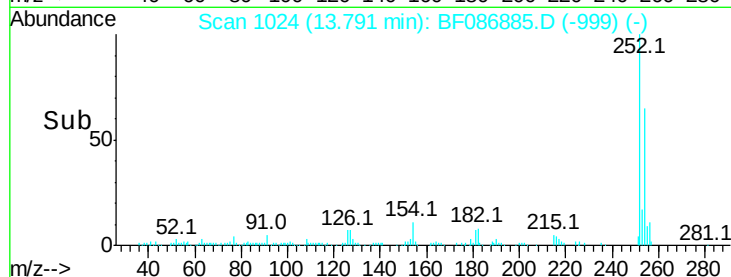
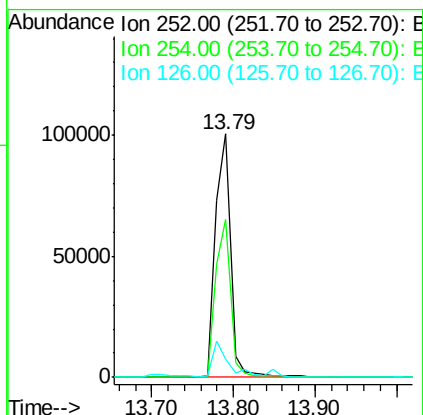
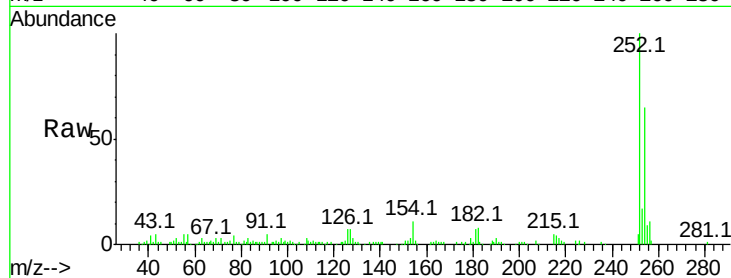




#81
 3,3'-Dichlorobenzidine
 Concen: 14.37 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

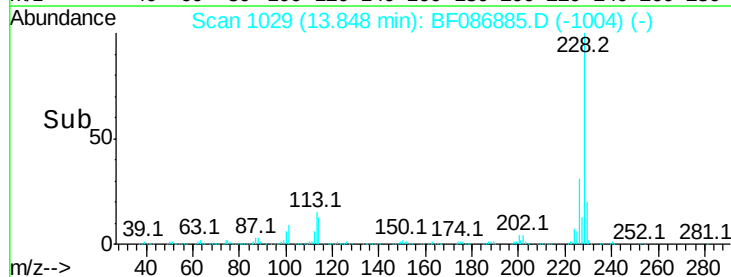
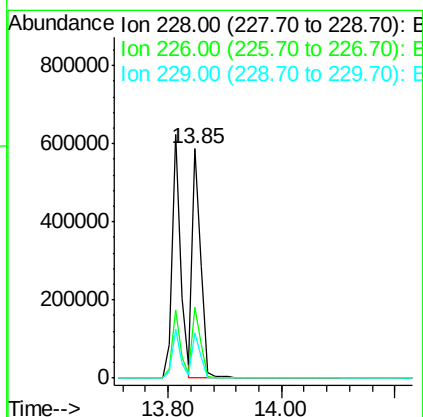
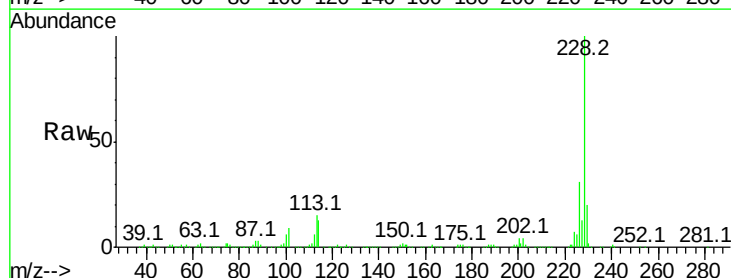
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

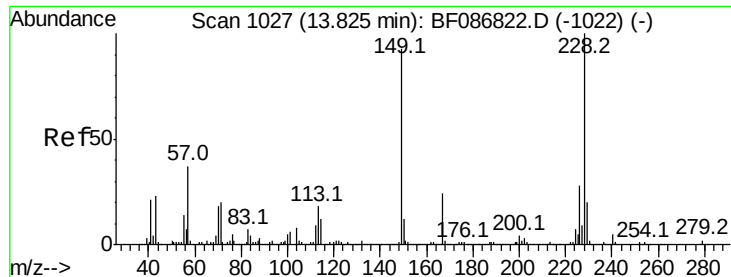
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.7	76.1
126	7.4	12.7	19.1



#82
 Chrysene
 Concen: 42.62 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	19.9	15.8	23.8

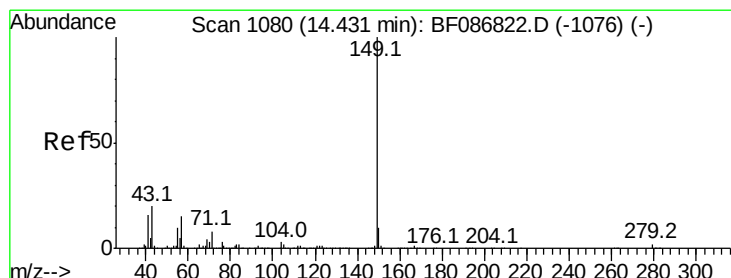
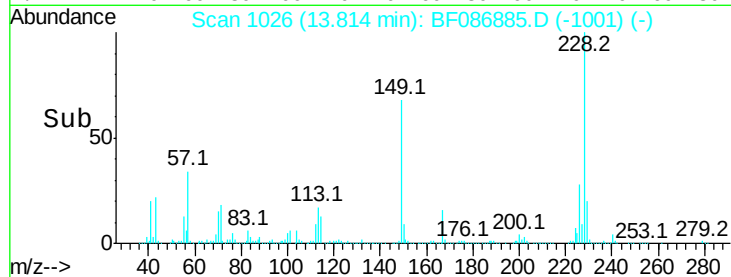
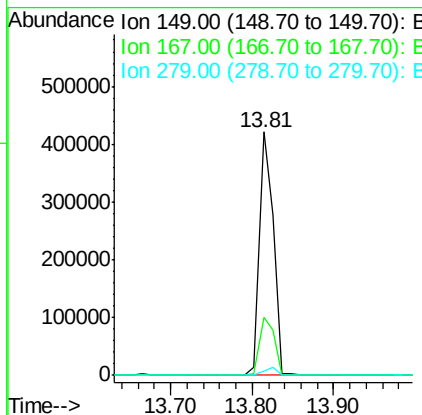
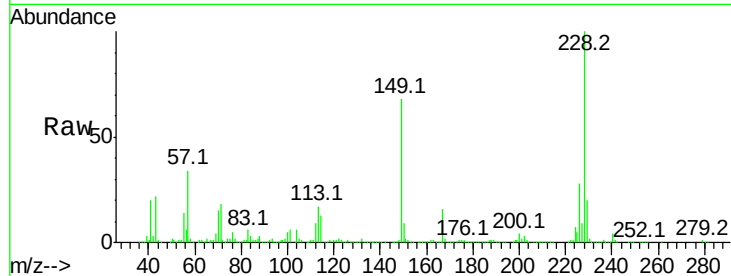




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 49.85 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

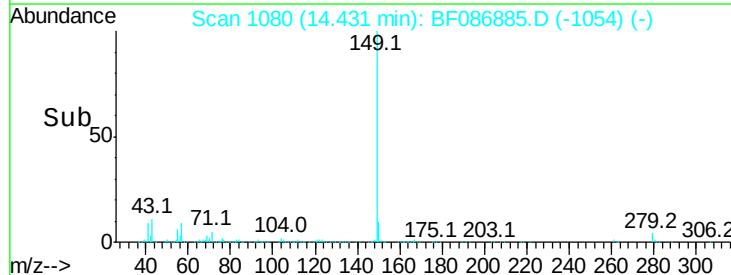
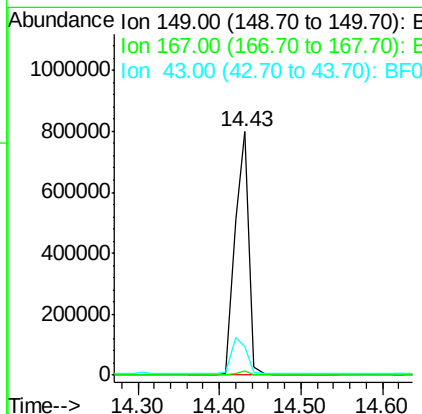
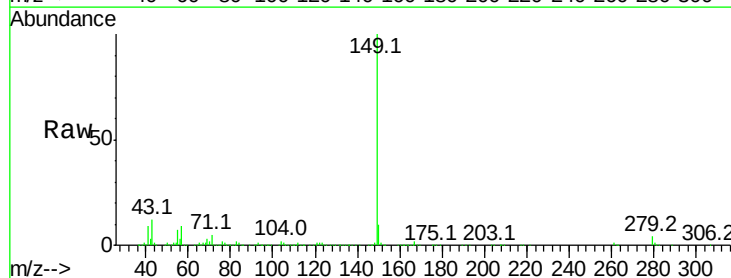
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

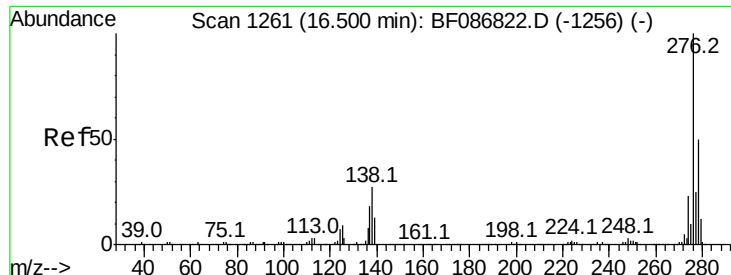
Tot Ion:149 Resp: 498053
 Ion Ratio Lower Upper
 149 100
 167 24.1 21.8 32.6
 279 1.9 2.6 4.0#



#84
 Di-n-octyl phthalate
 Concen: 55.95 ng
 RT: 14.43 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion:149 Resp: 925989
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 16.6 8.2 12.4#

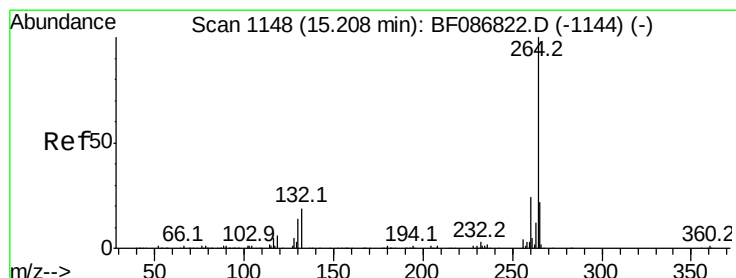
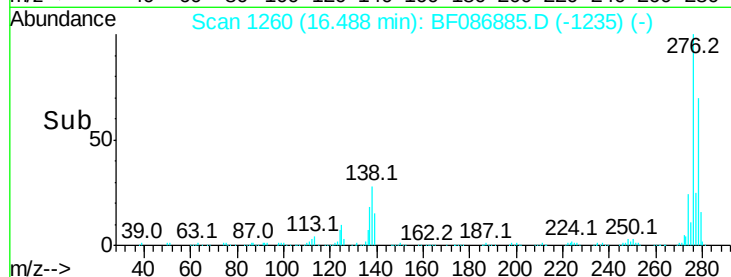
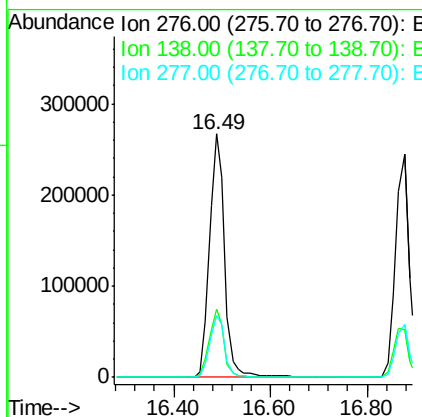
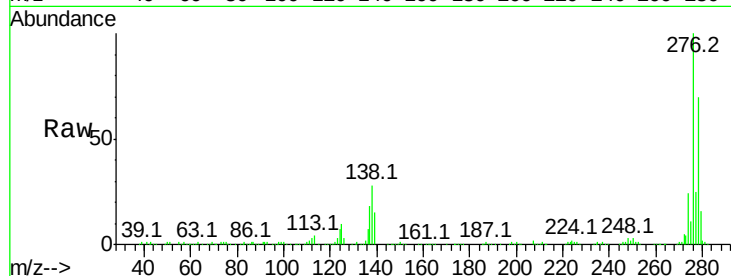




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 48.65 ng
 RT: 16.49 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

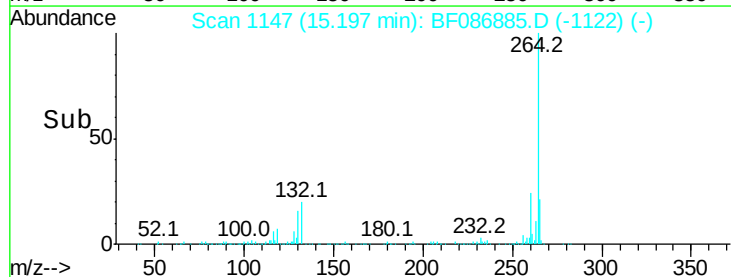
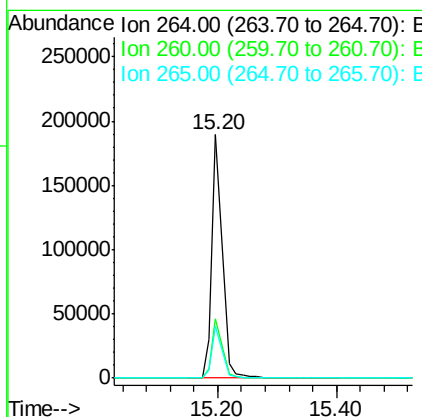
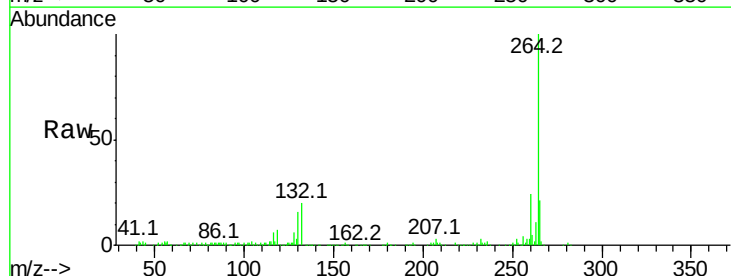
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMSD

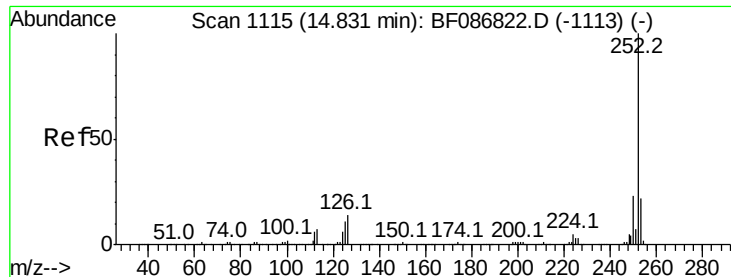
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.6	38.4
277	25.2	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF086885.D
 Acq: 11 May 2016 7:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.4	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 83.37 ng

RT: 14.82 min Scan# 1114

Delta R.T. -0.01 min

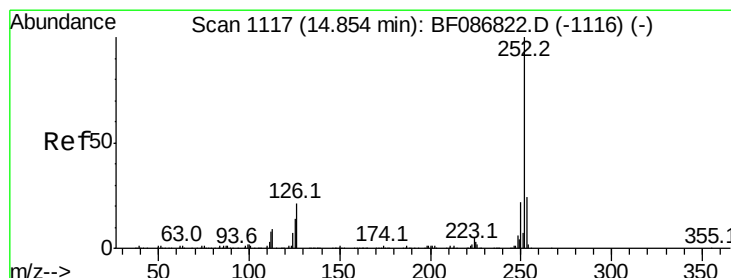
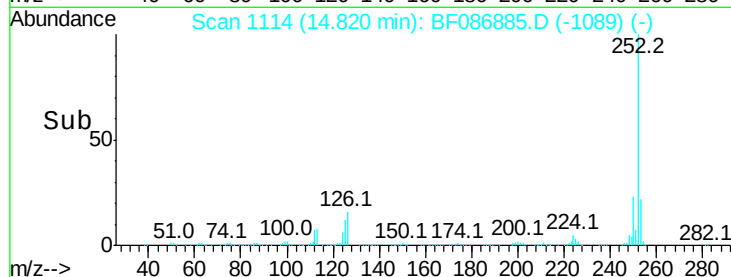
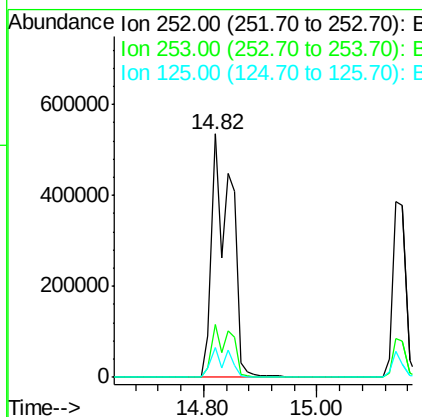
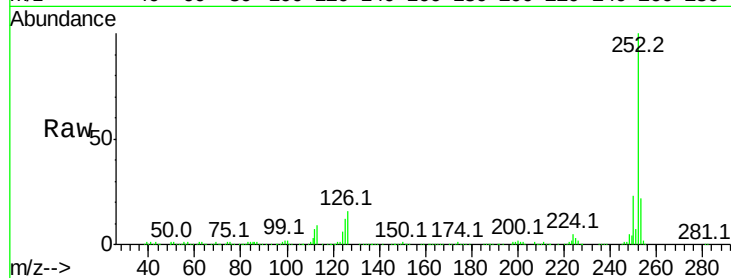
Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMSD

Tot Ion:252 Resp: 1249479

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	12.3	11.4	17.0



#88

Benzo(k)fluoranthene

Concen: 101.82 ng

RT: 14.82 min Scan# 1114

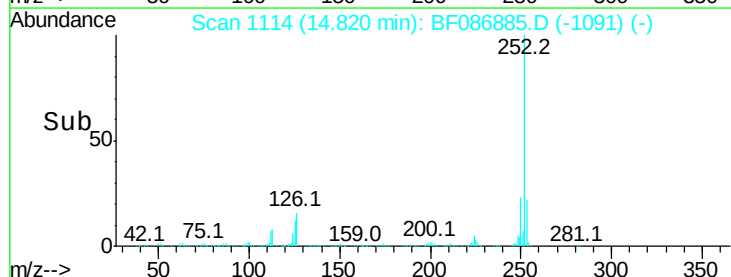
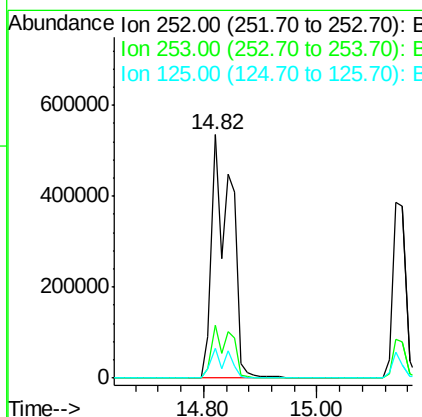
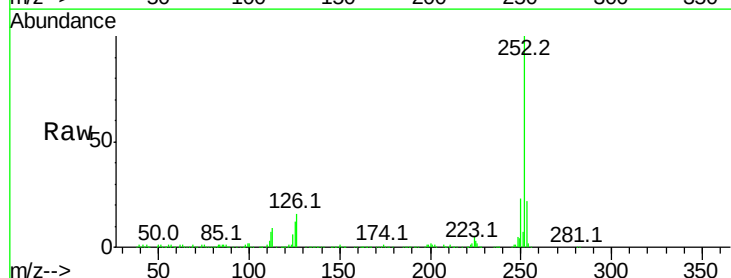
Delta R.T. -0.03 min

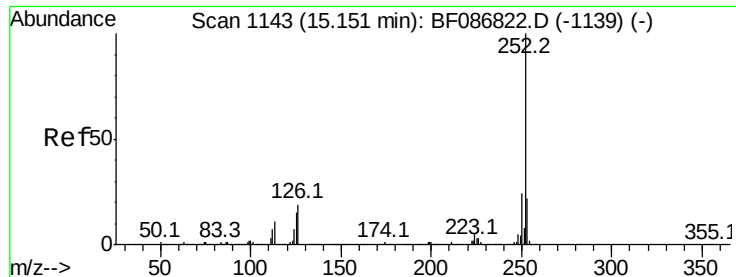
Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:252 Resp: 1249479

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	12.3	9.1	13.7





#89

Benzo(a)pyrene

Concen: 46.42 ng

RT: 15.14 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

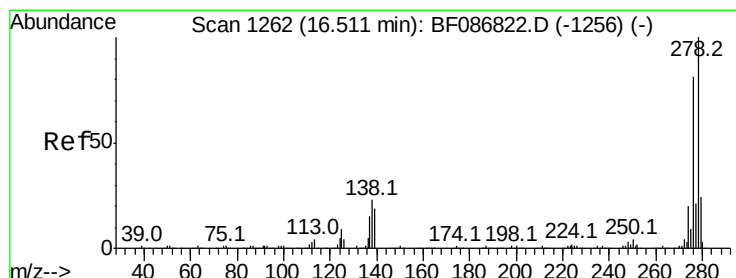
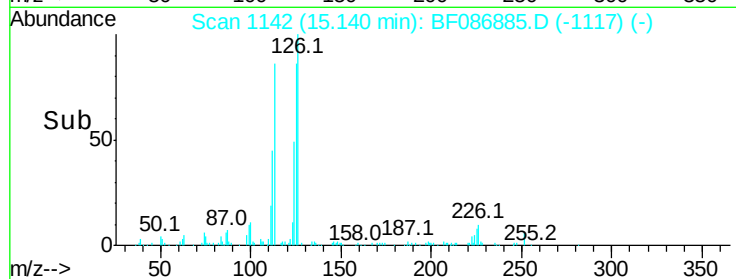
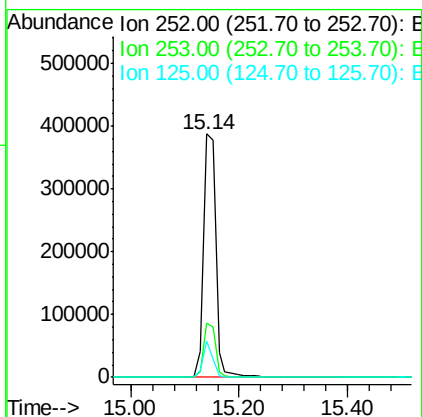
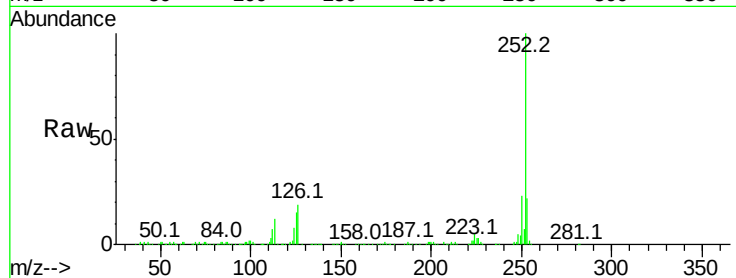
Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:	252	Resp:	600090
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	14.9	9.0	13.6



#90

Dibenzo(a,h)anthracene

Concen: 46.21 ng

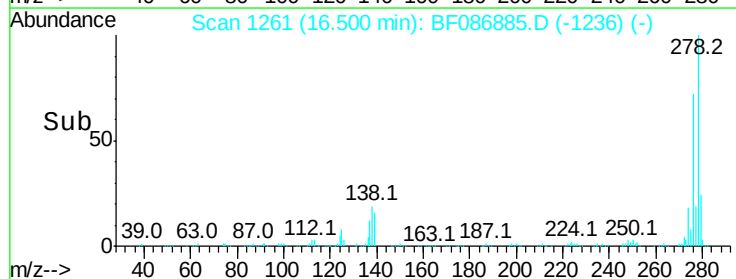
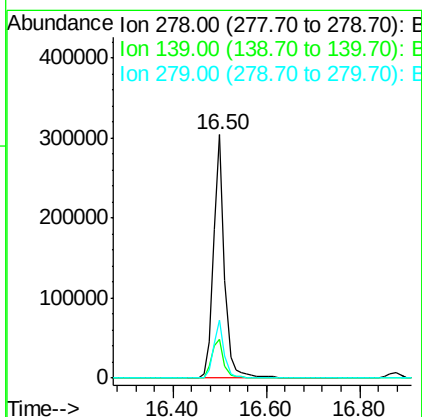
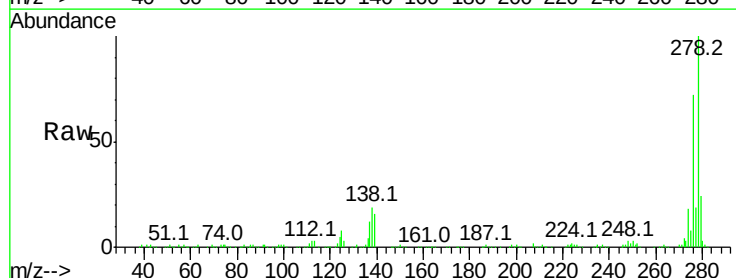
RT: 16.50 min Scan# 1261

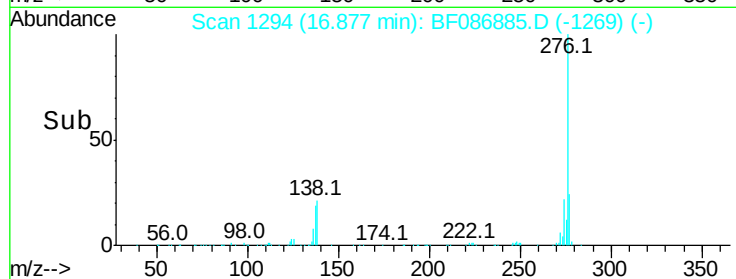
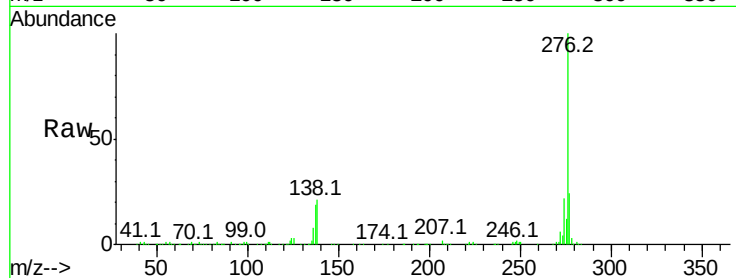
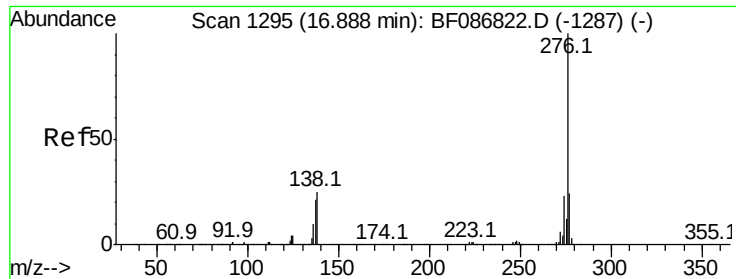
Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Tgt Ion:	278	Resp:	503417
Ion Ratio	Lower	Upper	
278	100		
139	16.2	16.6	24.8
279	24.1	19.6	29.4





#91

Benzo(a,h,i)perylene

Concen: 44.61 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF086885.D

Acq: 11 May 2016 7:07

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMSD

Tot Ion:276 Resp: 493807

Ion Ratio Lower Upper

276 100

277 23.7 19.6 29.4

138 21.4 23.6 35.4#

