

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086884.D
 Acq On : 11 May 2016 6:38
 Operator : UM/SJ
 Sample : H2916-07MS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: May 11 07:55:54 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	145633	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	554049	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	227803	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	349091	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	259717	20.00	ng	-0.01
86) Perylene-d12	15.20	264	237906	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1042548	121.23	ng	0.00
7) Phenol-d6	6.35	99	1319759	114.83	ng	-0.01
23) Nitrobenzene-d5	7.26	82	971396	88.04	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	239780	99.42	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	1222078	90.16	ng	-0.01
78) Terphenyl-d14	12.78	244	878949	71.80	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.25	88	154150	36.51	ng	# 66
3) Pyridine	2.91	79	409583	39.69	ng	# 66
4) n-Nitrosodimethylamine	2.86	42	328823	43.94	ng	# 49
6) Aniline	6.36	93	113626	8.17	ng	# 1
8) 2-Chlorophenol	6.48	128	407525	39.27	ng	86
9) Benzaldehyde	6.24	77	39597	5.95	ng	92
10) Phenol	6.36	94	423413	31.00	ng	# 54
11) bis(2-Chloroethyl)ether	6.43	93	441409	41.44	ng	90
12) 1,3-Dichlorobenzene	6.62	146	457971	40.78	ng	97
13) 1,4-Dichlorobenzene	6.70	146	457988	39.99	ng	97
14) 1,2-Dichlorobenzene	6.85	146	387663	38.84	ng	95
15) Benzyl Alcohol	6.85	79	343624	43.30	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.98	45	901271	38.92	ng	68
17) 2-Methylphenol	6.98	107	313470	37.96	ng	# 78
18) Hexachloroethane	7.20	117	172692	40.08	ng	92
19) n-Nitroso-di-n-propylamine	7.12	70	331653	41.29	ng	# 67
20) 3+4-Methylphenols	7.14	107	426330	39.53	ng	# 61
22) Acetophenone	7.10	105	585375	44.73	ng	# 97
24) Nitrobenzene	7.28	77	440496	38.81	ng	94
25) Isophorone	7.52	82	829053	40.50	ng	96
26) 2-Nitrophenol	7.60	139	214160	42.92	ng	# 82
27) 2,4-Dimethylphenol	7.65	122	334122	39.31	ng	89
28) bis(2-Chloroethoxy)methane	7.73	93	493673	44.71	ng	98
29) 2,4-Dichlorophenol	7.85	162	292853	39.15	ng	93
30) 1,2,4-Trichlorobenzene	7.92	180	352732	42.17	ng	96
31) Naphthalene	8.00	128	1179423	42.50	ng	99
32) Benzoic acid	7.65	122	334122	66.94	ng	# 23
33) 4-Chloroaniline	8.06	127	65290	6.05	ng	# 92
34) Hexachlorobutadiene	8.11	225	194312	40.04	ng	99
35) Caprolactam	8.43	113	84827	33.33	ng	# 74
36) 4-Chloro-3-methylphenol	8.56	107	294701	32.48	ng	# 86
37) 2-Methylnaphthalene	8.78	142	674271	41.56	ng	94
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	323173	48.79	ng	99
40) Hexachlorocyclopentadiene	8.84	237	160803	51.15	ng	94

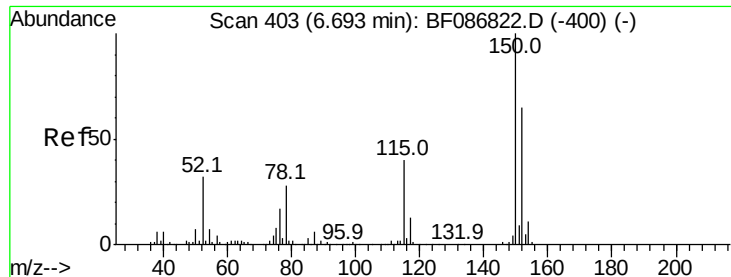
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	184463	41.65	nq	94
43) 2,4,5-Trichlorophenol	9.02	196	186050	40.62	nq	# 95
45) 1,1'-Biphenyl	9.15	154	816925	45.09	nq	97
46) 2-Chloronaphthalene	9.17	162	621759	43.80	nq	95
47) 2-Nitroaniline	9.28	65	199552	38.46	nq	# 65
48) Acenaphthylene	9.58	152	908244	43.50	nq	99
49) Dimethylphthalate	9.46	163	870959	50.11	nq	99
50) 2,6-Dinitrotoluene	9.53	165	148905	40.71	nq	# 68
51) Acenaphthene	9.76	154	589017	45.35	nq	98
52) 3-Nitroaniline	9.70	138	75097	19.50	nq	94
53) 2,4-Dinitrophenol	9.80	184	35404	24.81	nq	# 82
54) Dibenzofuran	9.93	168	766663	45.98	nq	96
55) 4-Nitrophenol	9.88	139	141188	56.42	nq	# 70
56) 2,4-Dinitrotoluene	9.93	165	184058	40.66	nq	# 85
57) Fluorene	10.27	166	623991	43.88	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.05	232	142410	41.30	nq	97
59) Diethylphthalate	10.16	149	690372	40.76	nq	97
60) 4-Chlorophenyl-phenylether	10.26	204	261136	41.37	nq	95
61) 4-Nitroaniline	10.30	138	116050	31.38	nq	# 71
62) Azobenzene	10.42	77	750323	41.06	nq	85
64) 4,6-Dinitro-2-methylphenol	10.33	198	57653	26.59	nq	# 37
65) n-Nitrosodiphenylamine	10.38	169	489668	45.66	nq	100
66) 4-Bromophenyl-phenylether	10.75	248	171283	48.39	nq	92
67) Hexachlorobenzene	10.81	284	186783	45.16	nq	# 62
68) Atrazine	10.92	200	162195	45.27	nq	96
69) Pentachlorophenol	11.01	266	159358	83.36	nq	97
70) Phenanthrene	11.22	178	768996	41.28	nq	100
71) Anthracene	11.28	178	837811	43.97	nq	99
72) Carbazole	11.44	167	671621	41.01	nq	99
73) Di-n-butylphthalate	11.77	149	887786	44.39	nq	# 99
74) Fluoranthene	12.41	202	799456	41.72	nq	92
76) Benzidine	12.54	184	171748	25.94	nq	95
77) Pyrene	12.62	202	786268	39.54	nq	100
79) Butylbenzylphthalate	13.25	149	349304	41.53	nq	# 60
80) Benzo(a)anthracene	13.81	228	613134	42.05	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	108107	11.67	nq	# 94
82) Chrysene	13.85	228	591301	39.87	nq	99
83) Bis(2-ethylhexyl)phthalate	13.81	149	480009	47.45	nq	# 94
84) Di-n-octyl phthalate	14.43	149	852111	50.85	nq	# 85
85) Indeno(1,2,3-cd)pyrene	16.49	276	550568	44.62	nq	95
87) Benzo(b)fluoranthene	14.82	252	1183582	76.55	nq	98
88) Benzo(k)fluoranthene	14.82	252	1183582	93.49	nq	99
89) Benzo(a)pyrene	15.14	252	564371	42.32	nq	# 96
90) Dibenzo(a,h)anthracene	16.50	278	470430	41.85	nq	# 94
91) Benzo(g,h,i)perylene	16.88	276	457375	40.05	nq	# 90

(#) = 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: BF086884.D

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VITALE-FILL-CSPH3-7KMS

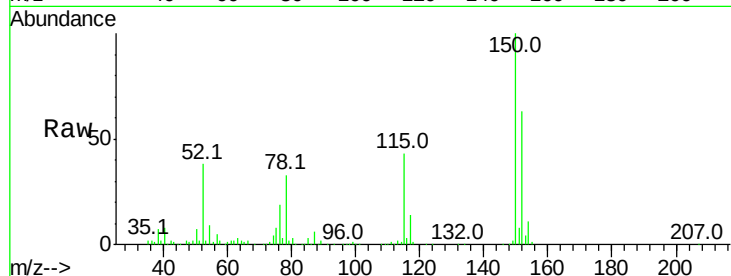
Tot Ion:152 Resp: 145633

Ion Ratio Lower Upper

152 100

150 159.5 125.8 188.6

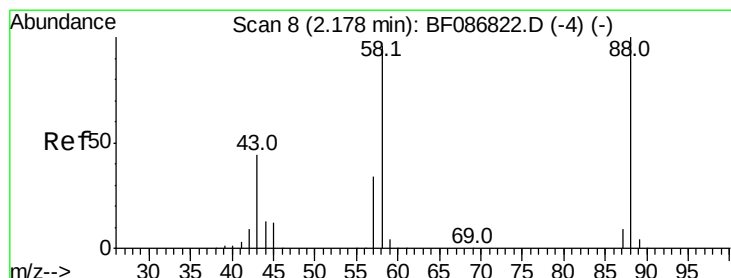
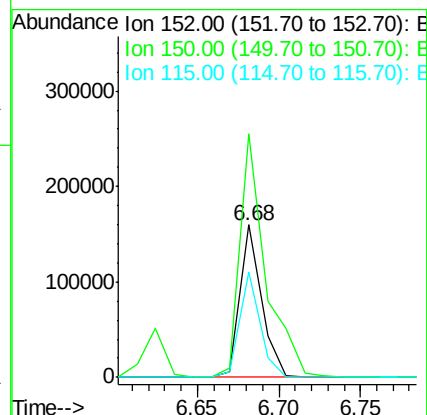
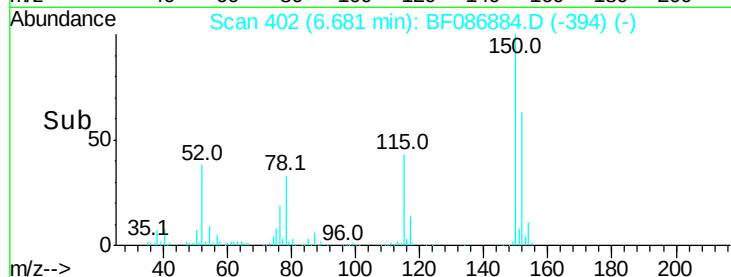
115 69.3 51.5 77.3



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: 36.51 ng

RT: 2.25 min Scan# 14

Delta R.T. 0.07 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

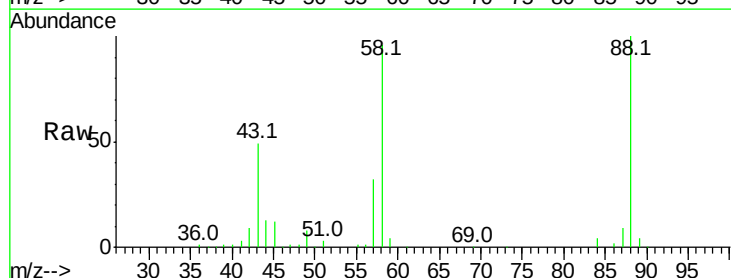
Tgt Ion: 88 Resp: 154150

Ion Ratio Lower Upper

88 100

58 98.9 59.6 89.4#

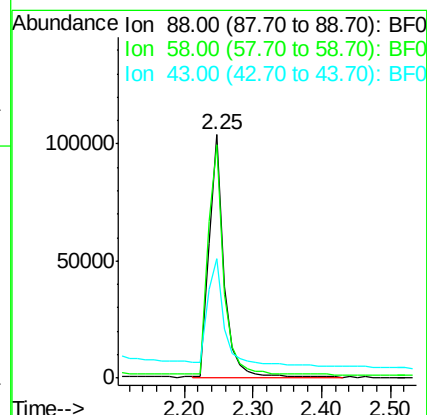
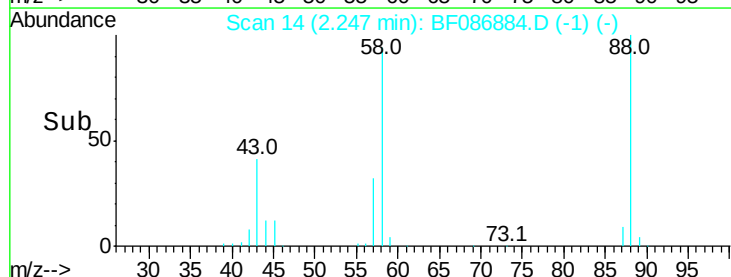
43 52.4 21.8 32.6#

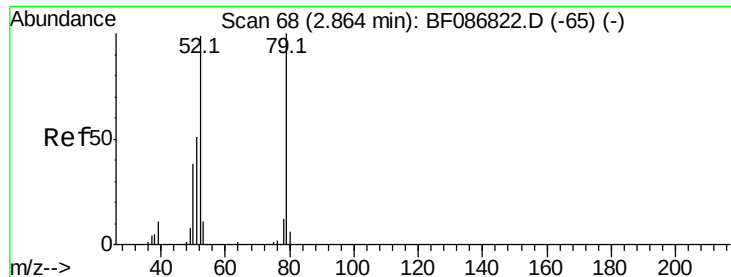


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 39.69 ng

RT: 2.91 min Scan# 72

Delta R.T. 0.05 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

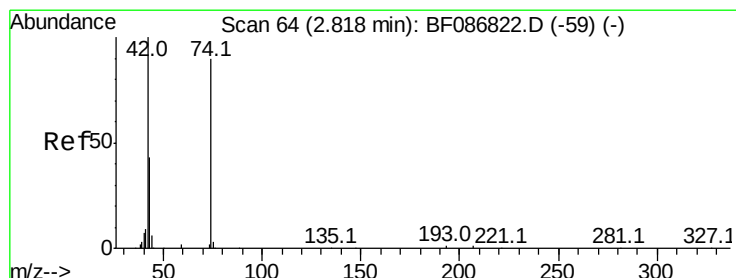
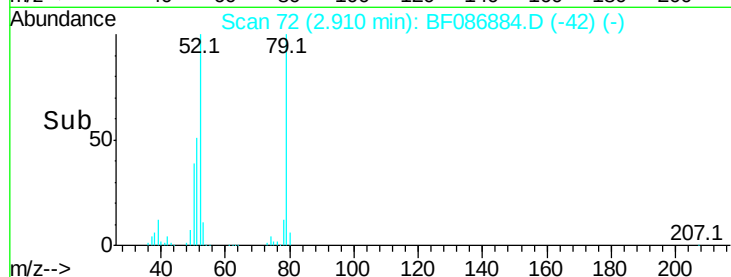
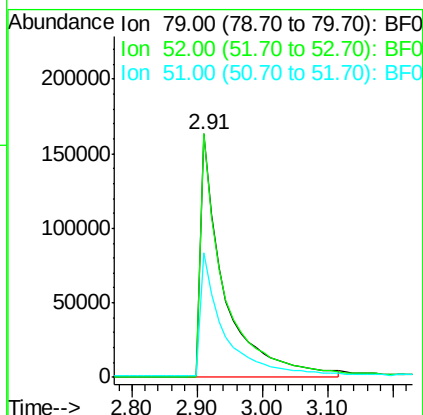
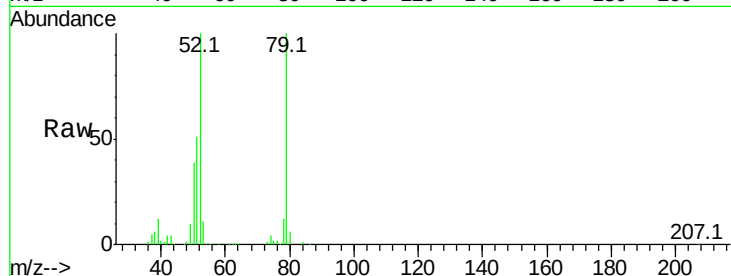
Tot Ion: 79 Resp: 409583

Ion Ratio Lower Upper

79 100

52 100.1 55.9 83.9#

51 51.3 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 43.94 ng

RT: 2.86 min Scan# 68

Delta R.T. 0.05 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

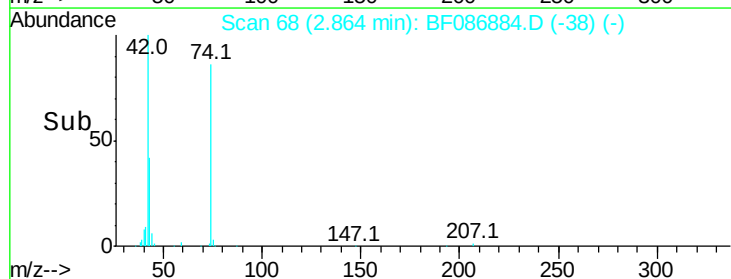
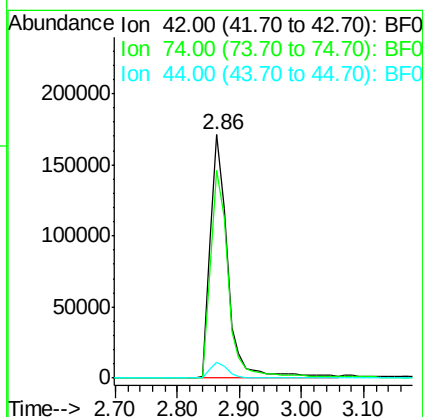
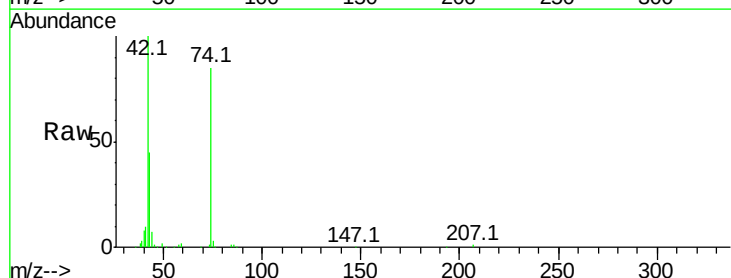
Tgt Ion: 42 Resp: 328823

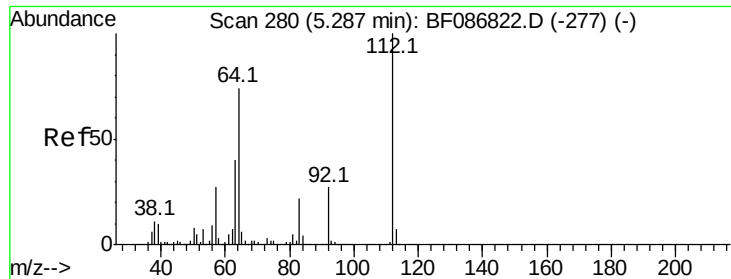
Ion Ratio Lower Upper

42 100

74 85.4 123.4 185.0#

44 6.6 5.8 8.6





#5

2-Fluorophenol

Concen: 121.23 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

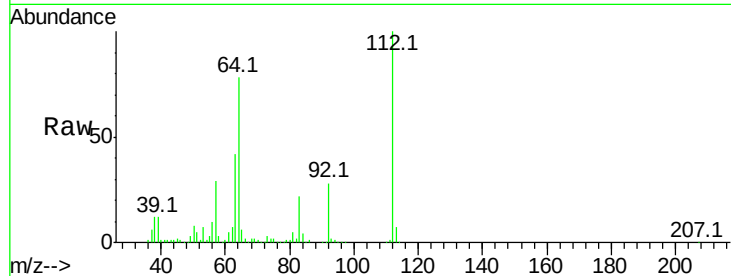
Tot Ion:112 Resp: 1042548

Ion Ratio Lower Upper

112 100

64 78.5 52.1 78.1#

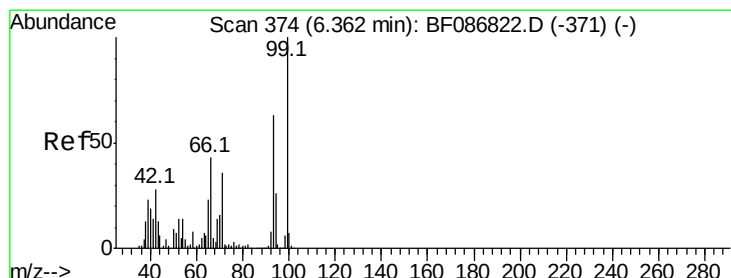
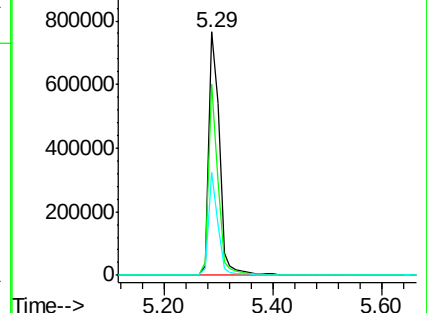
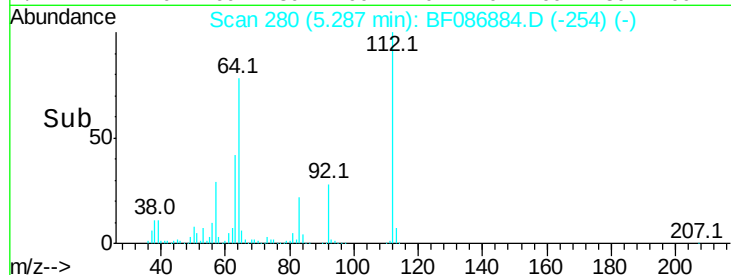
63 42.4 25.7 38.5#



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: 8.17 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

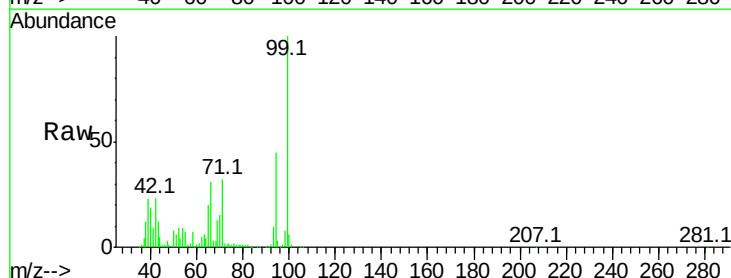
Tgt Ion: 93 Resp: 113626

Ion Ratio Lower Upper

93 100

66 296.1 39.0 58.6#

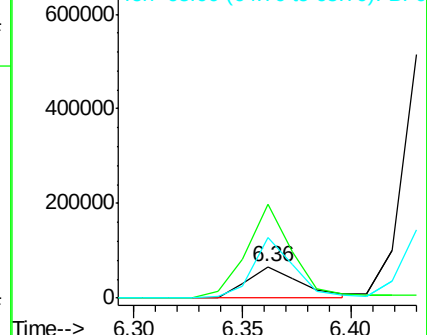
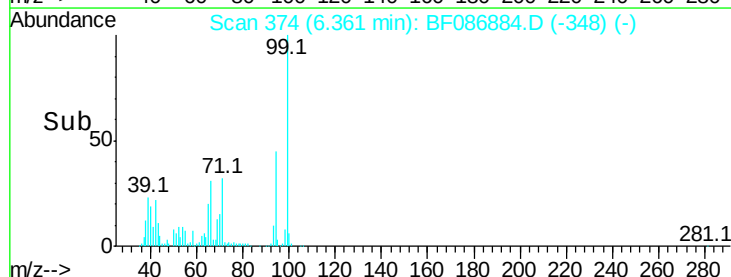
65 193.0 20.6 31.0#

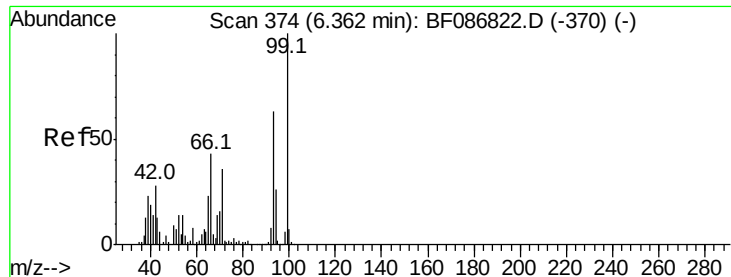


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 114.83 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

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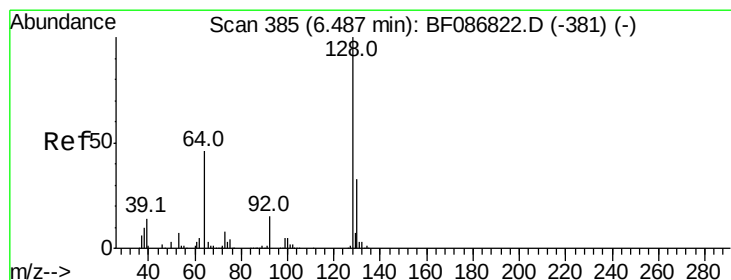
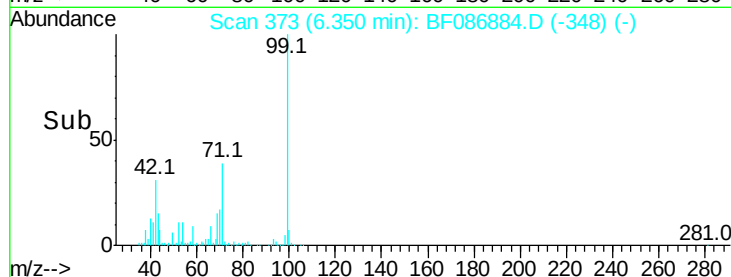
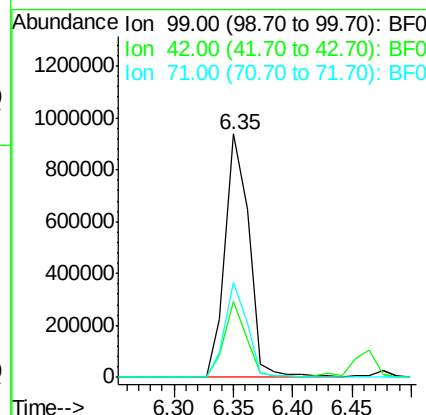
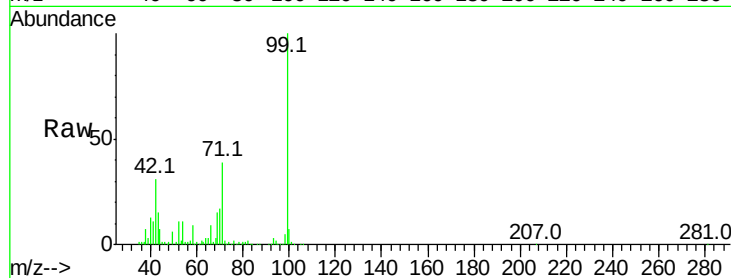
Tot Ion: 99 Resp: 1319759

Ion Ratio Lower Upper

99 100

42 31.1 13.6 20.4#

71 39.0 24.6 36.8#



#8

2-Chlorophenol

Concen: 39.27 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

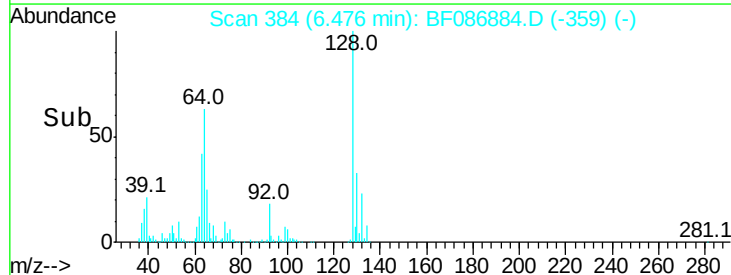
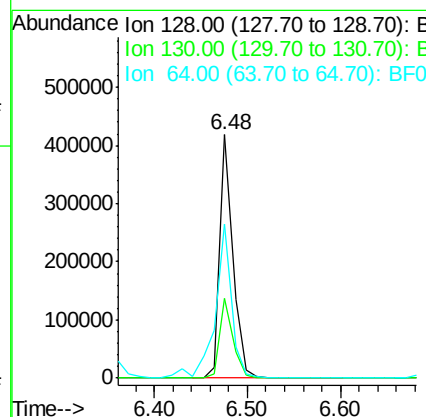
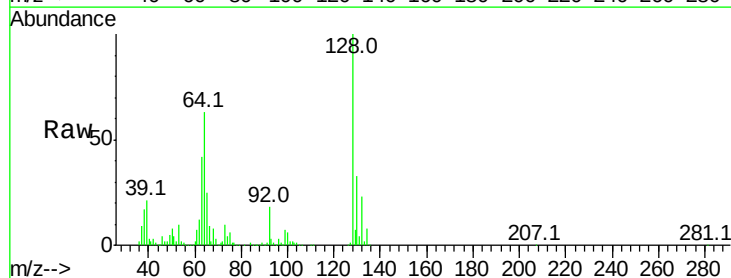
Tgt Ion: 128 Resp: 407525

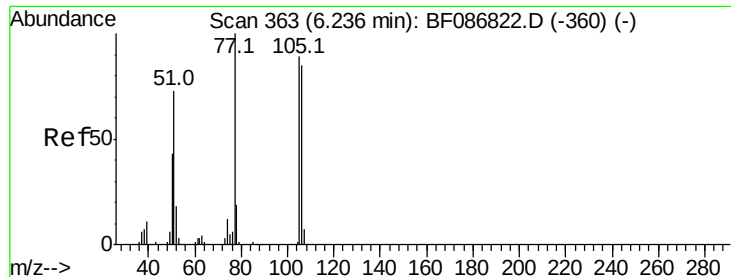
Ion Ratio Lower Upper

128 100

130 32.6 12.5 52.5

64 63.1 27.3 67.3





#9

Benzaldehyde

Concen: 5.95 ng

RT: 6.24 min Scan# 363

Delta R.T. -0.00 min

Lab File: BF086884.D

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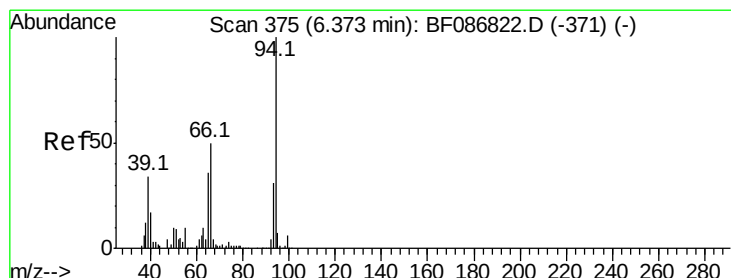
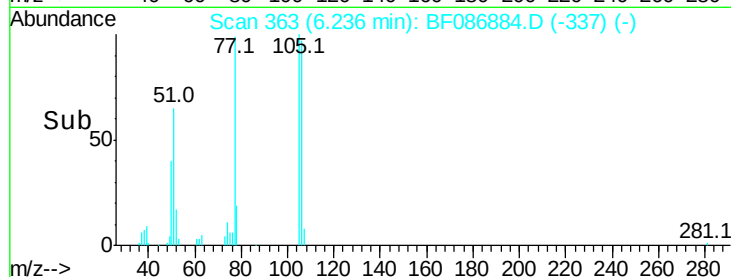
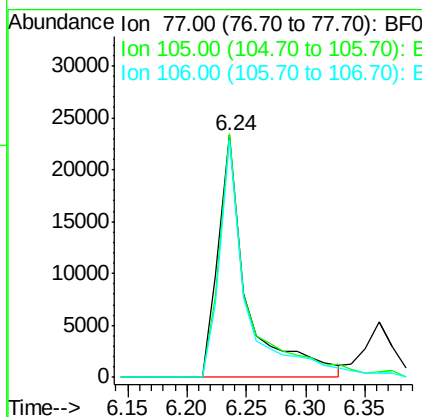
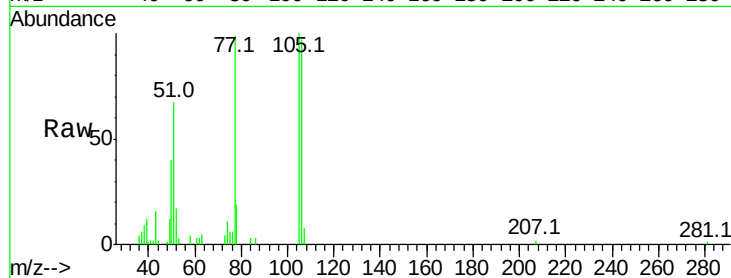
Tot Ion: 77 Resp: 39597

Ion Ratio Lower Upper

77 100

105 100.6 72.7 112.7

106 97.8 70.8 110.8



#10

Phenol

Concen: 31.00 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

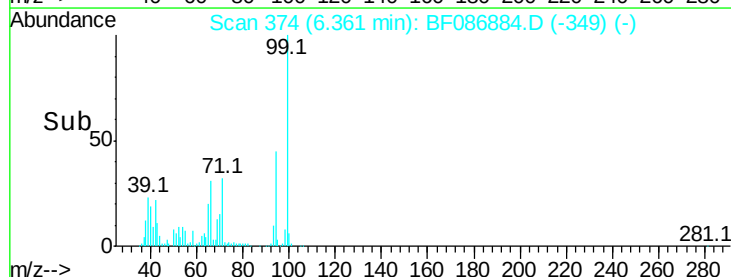
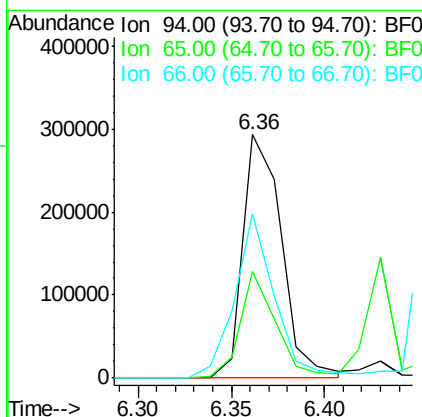
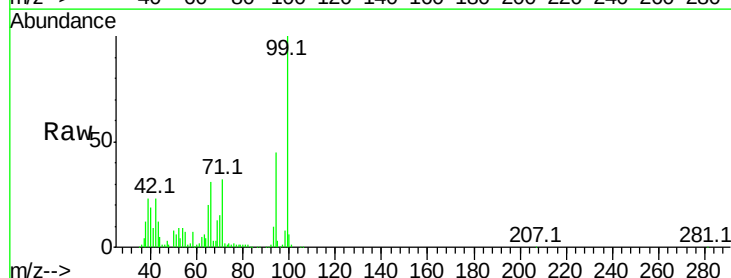
Tgt Ion: 94 Resp: 423413

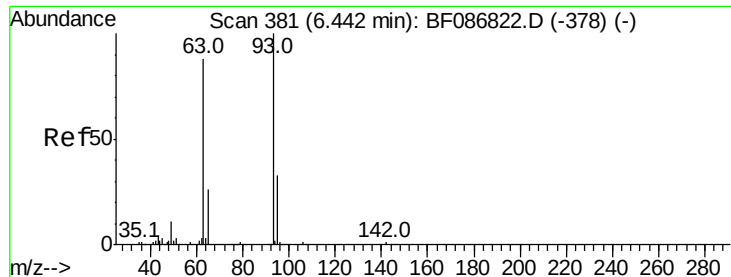
Ion Ratio Lower Upper

94 100

65 43.9 7.2 47.2

66 67.4 14.9 54.9#

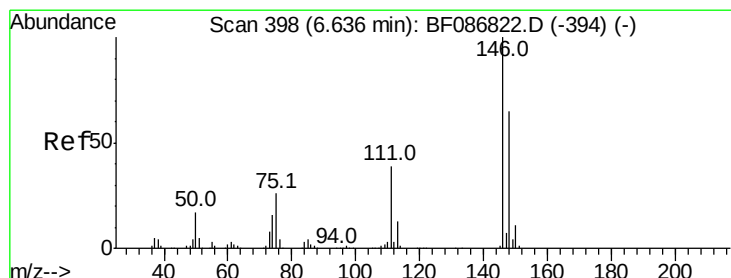
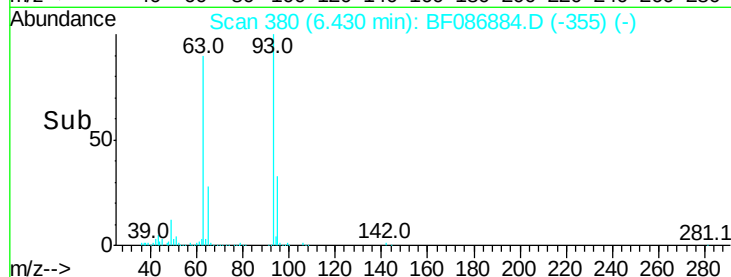
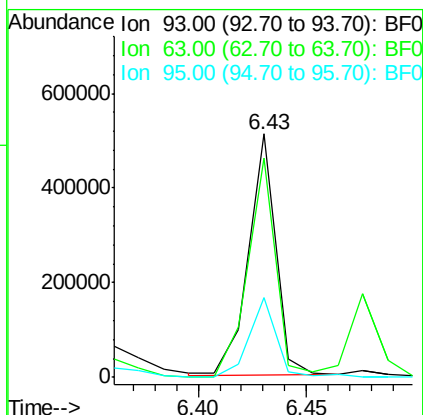
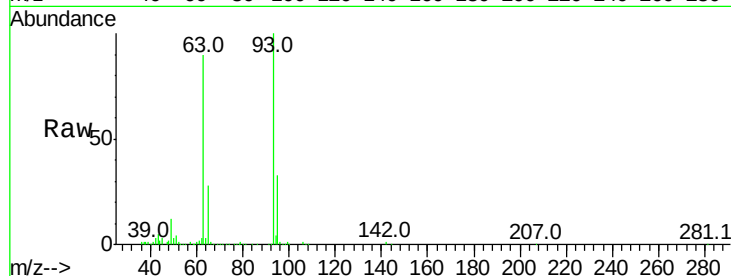




#11
bis(2-Chloroethyl)ether
Concen: 41.44 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

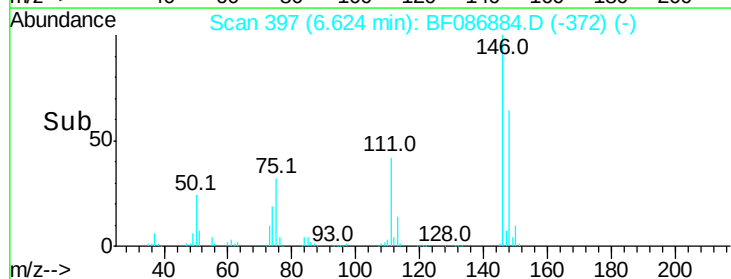
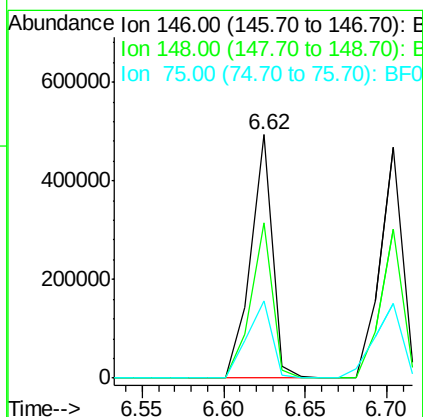
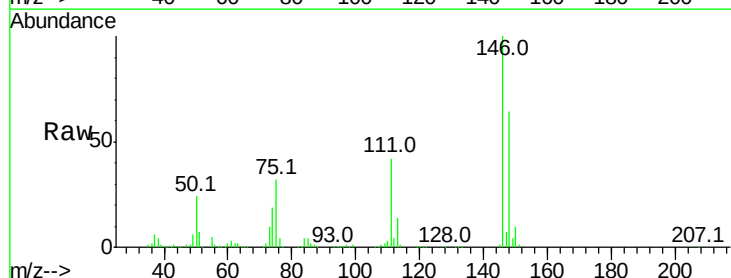
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

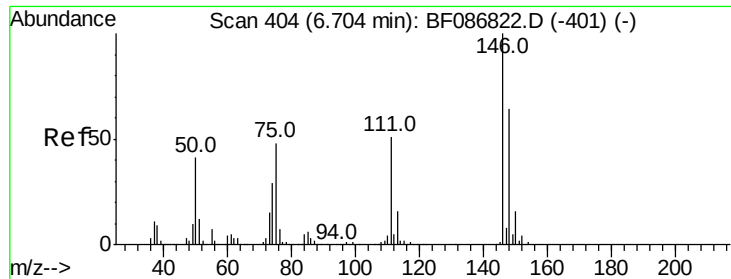
Tot Ion: 93 Resp: 441409
Ion Ratio Lower Upper
93 100
63 90.0 58.0 98.0
95 32.8 11.9 51.9



#12
1,3-Dichlorobenzene
Concen: 40.78 ng
RT: 6.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion: 146 Resp: 457971
Ion Ratio Lower Upper
146 100
148 63.6 52.4 78.6
75 31.6 22.8 34.2

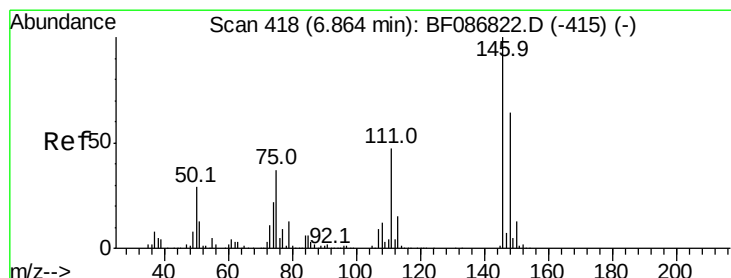
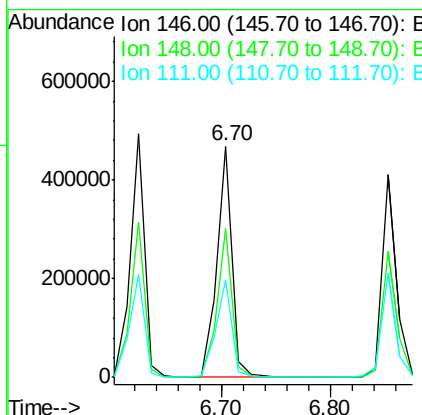
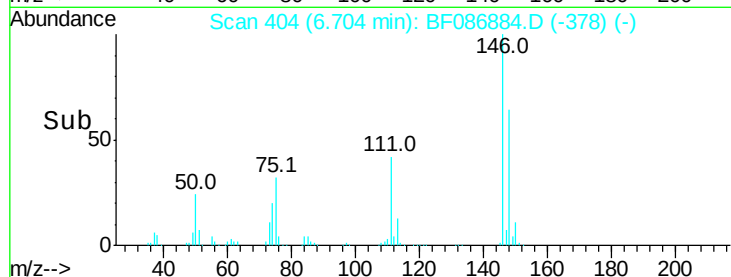
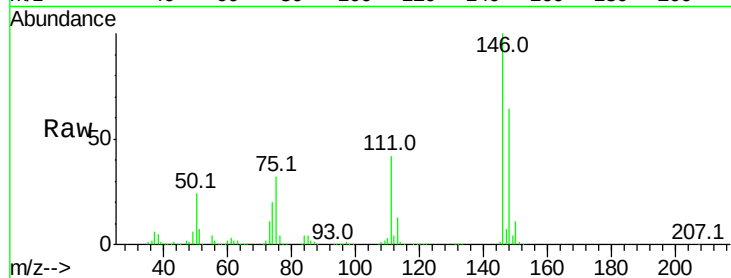




#13
 1,4-Dichlorobenzene
 Concen: 39.99 ng
 RT: 6.70 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

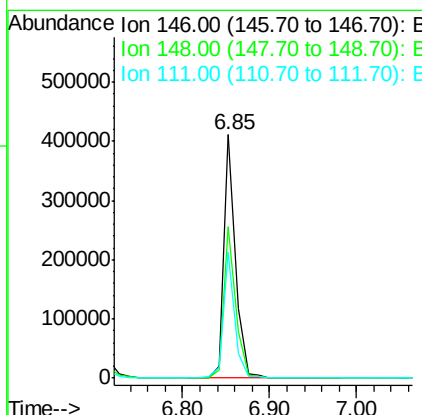
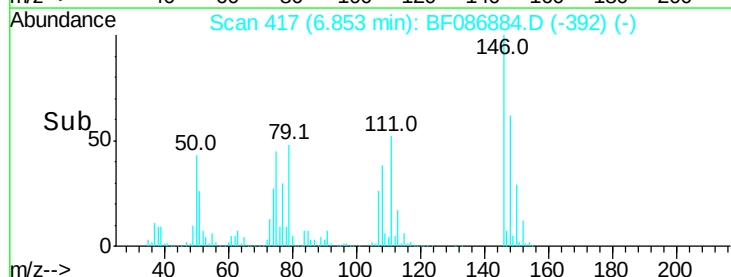
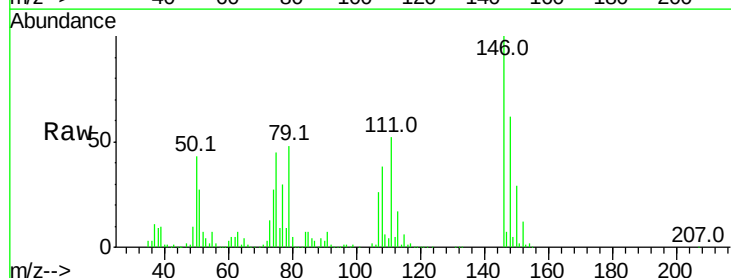
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

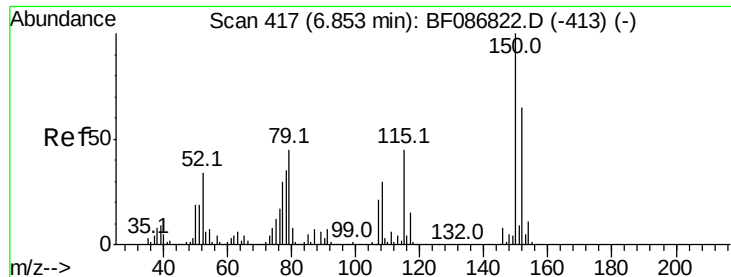
Tot Ion:146 Resp: 457988
 Ion Ratio Lower Upper
 146 100
 148 64.3 52.2 78.4
 111 42.2 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 38.84 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion:146 Resp: 387663
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.0 76.6
 111 51.6 36.2 54.4





#15

Benzyl Alcohol

Concen: 43.30 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

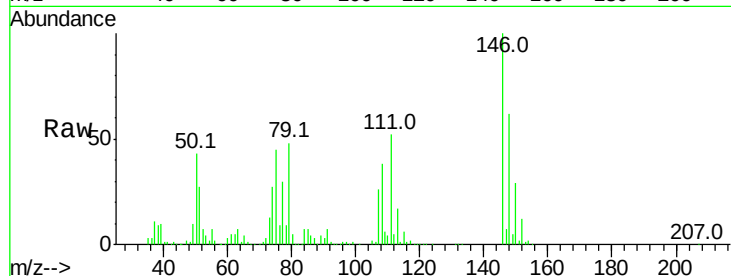
Tot Ion: 79 Resp: 343624

Ion Ratio Lower Upper

79 100

108 78.9 68.4 102.6

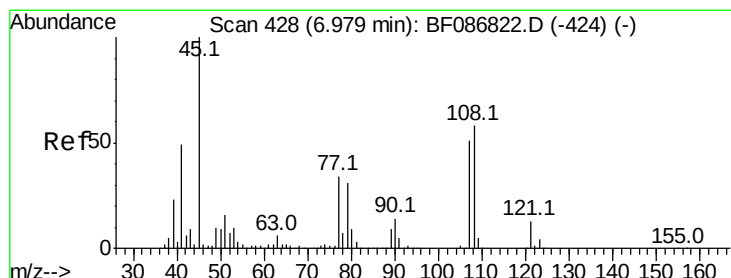
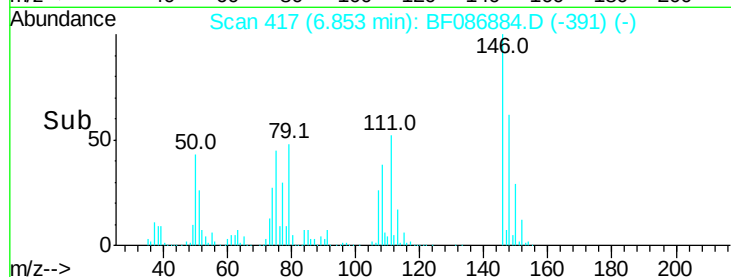
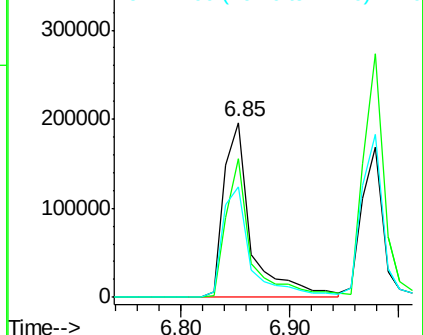
77 63.4 50.6 76.0



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: 38.92 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

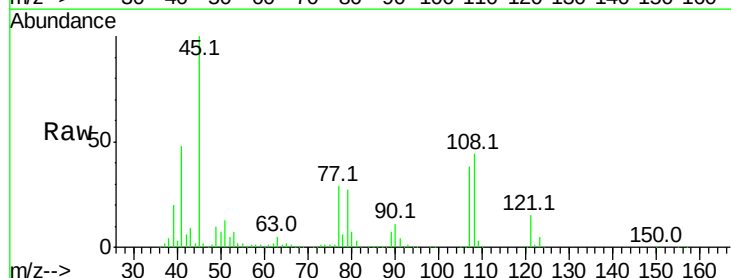
Tgt Ion: 45 Resp: 901271

Ion Ratio Lower Upper

45 100

77 29.2 0.0 36.4

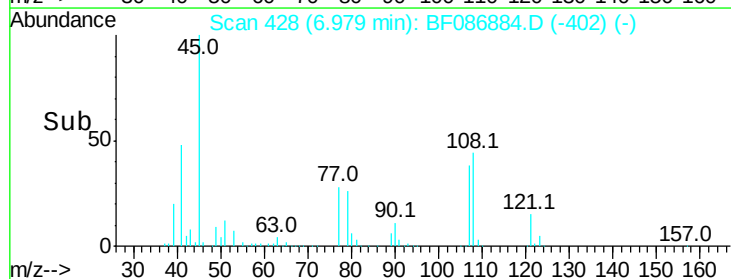
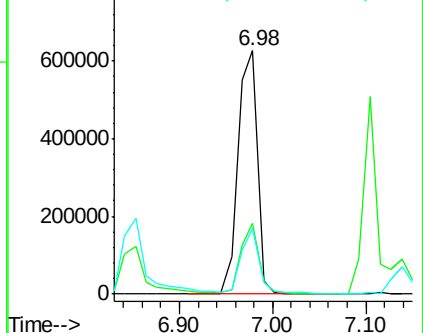
79 26.9 0.0 33.4

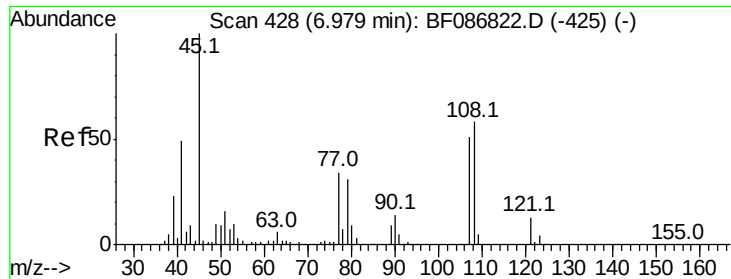


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

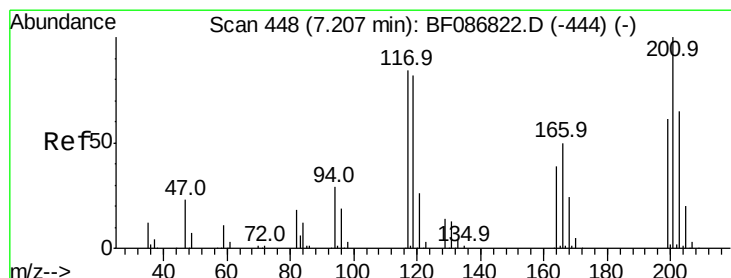
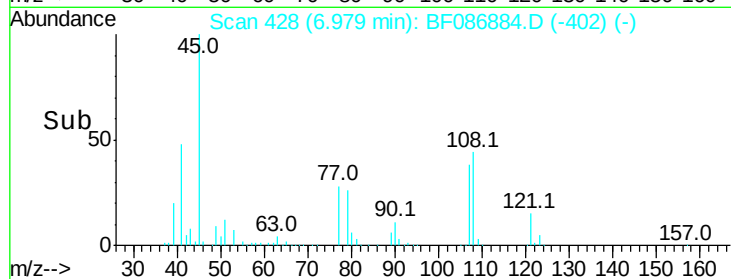
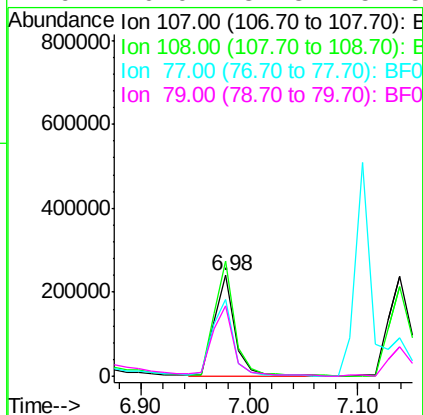
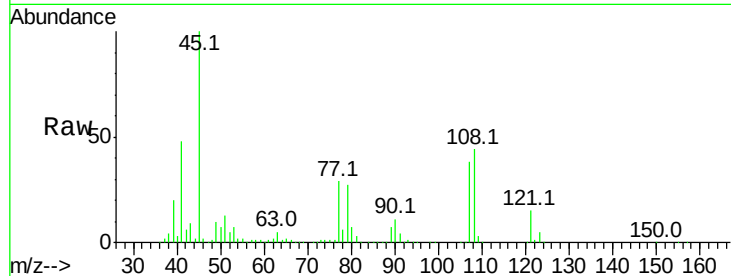




#17
2-Methylphenol
Concen: 37.96 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

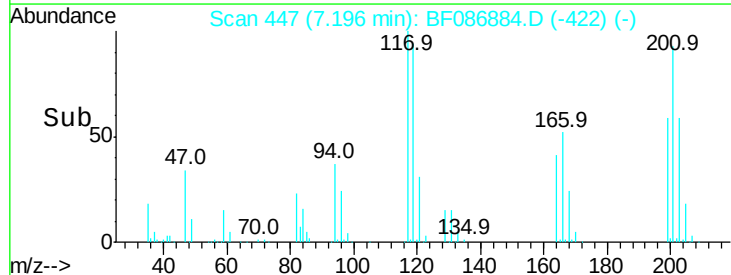
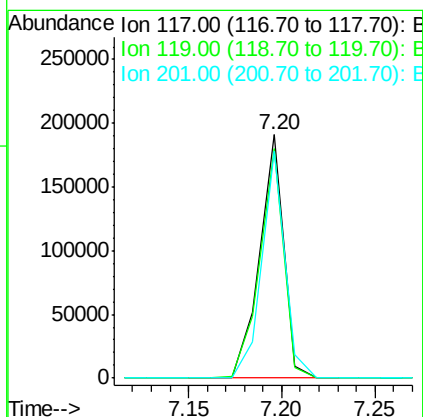
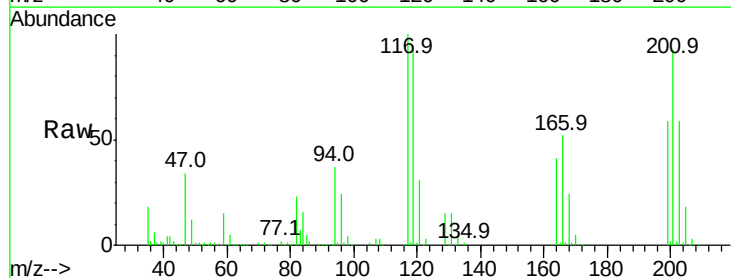
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

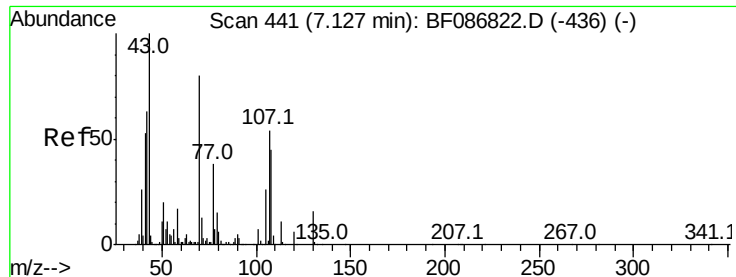
Tot Ion:107 Resp: 313470
Ion Ratio Lower Upper
107 100
108 113.5 93.7 140.5
77 76.1 33.4 50.0#
79 70.0 34.3 51.5#



#18
Hexachloroethane
Concen: 40.08 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion:117 Resp: 172692
Ion Ratio Lower Upper
117 100
119 94.2 76.5 114.7
201 93.1 63.0 94.6

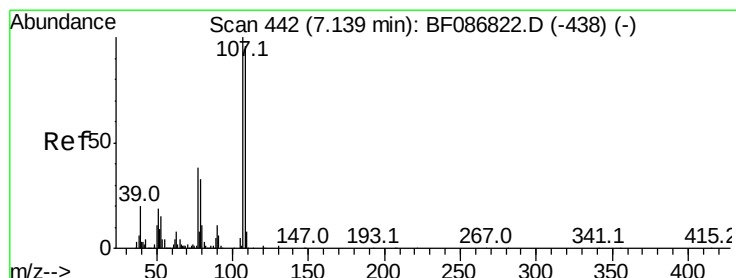
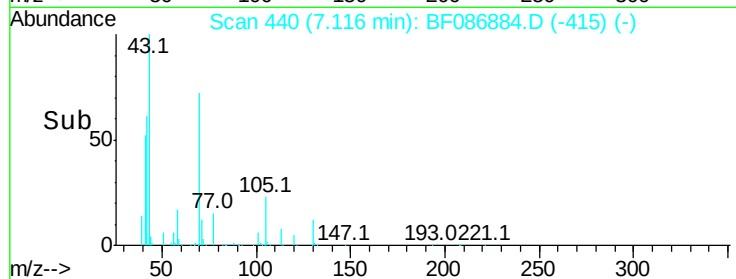
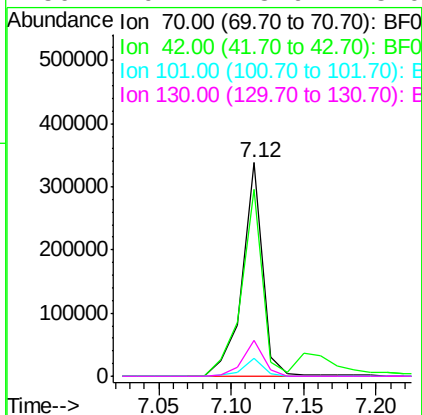
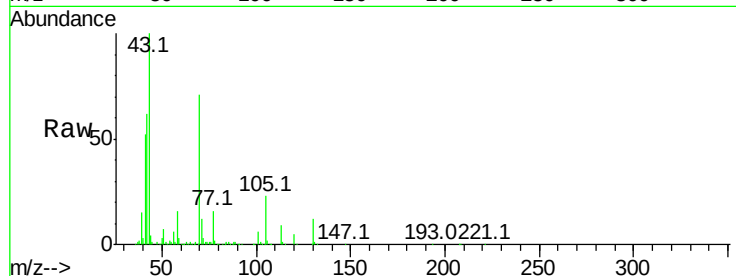




#19
n-Nitroso-di-n-propylamine
Concen: 41.29 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

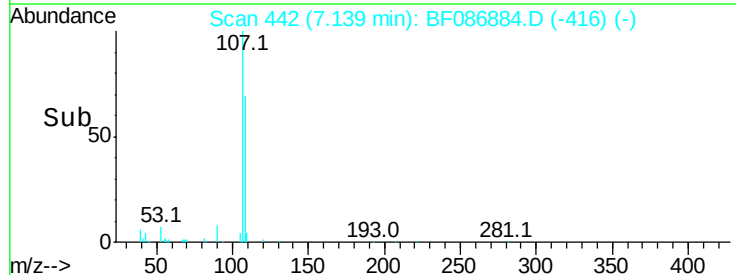
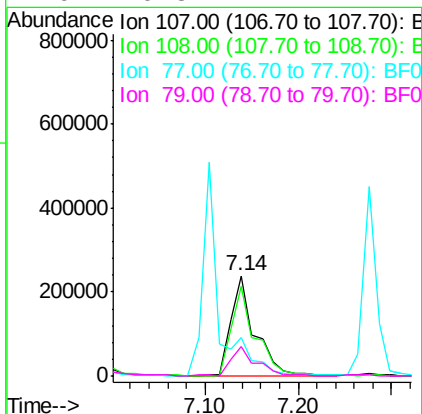
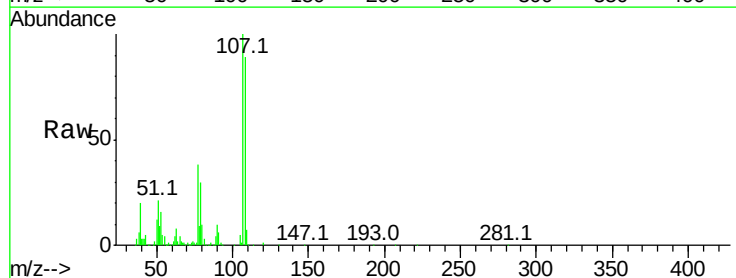
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

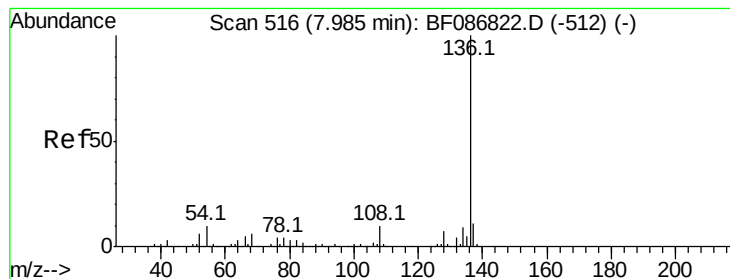
Tot Ion	Ratio	Lower	Upper
70	100		
42	87.7	43.1	64.7#
101	8.3	8.1	12.1
130	16.7	18.6	28.0#



#20
3+4-Methylphenols
Concen: 39.53 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.00 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.5	108.5
77	38.1	101.6	141.6#
79	29.8	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: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:136 Resp: 554049

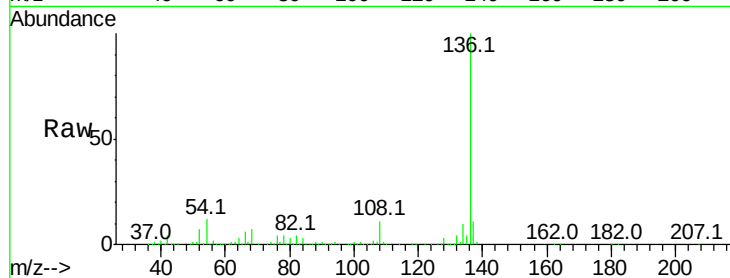
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 12.0 5.0 7.4#

68 6.5 4.4 6.6

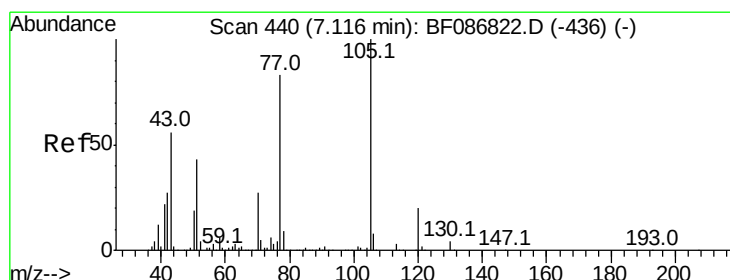
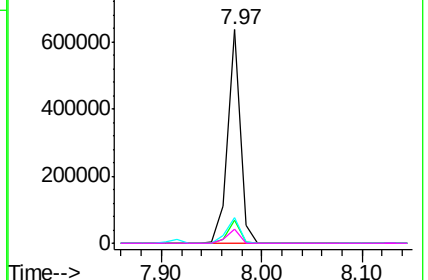
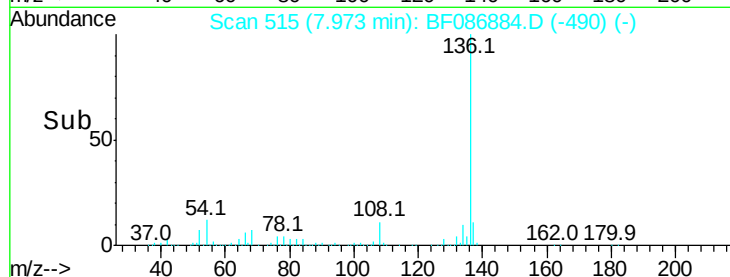


Abundance Ion 136.00 (135.70 to 136.70): E

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: 44.73 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:105 Resp: 585375

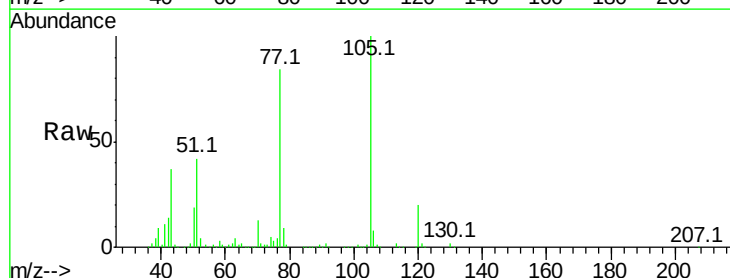
Ion Ratio Lower Upper

105 100

71 2.2 4.8 7.2#

51 42.4 32.6 49.0

120 20.4 16.5 24.7

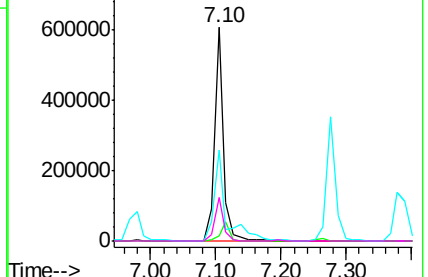
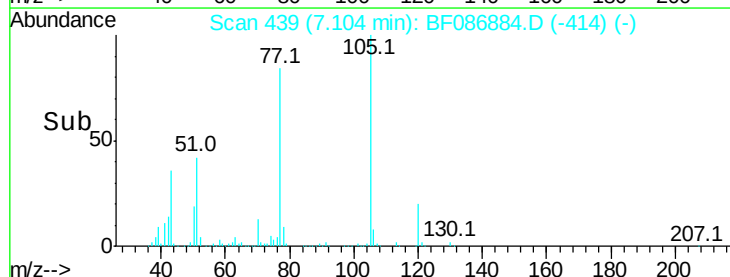


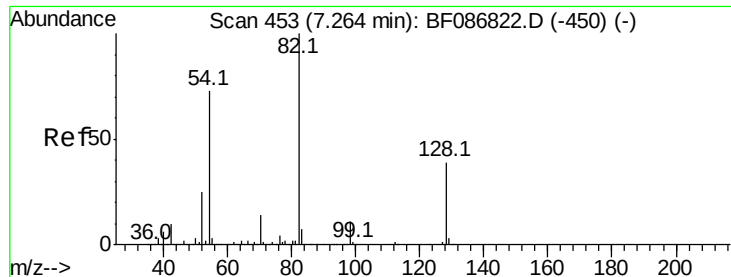
Abundance Ion 105.00 (104.70 to 105.70): E

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

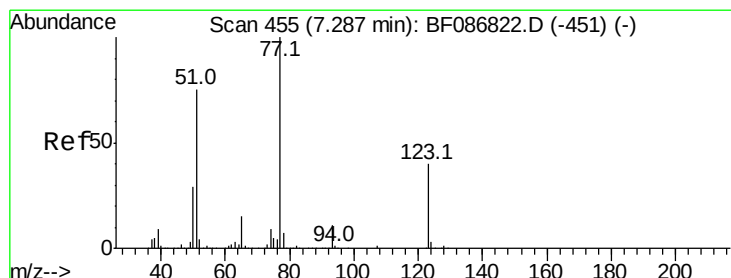
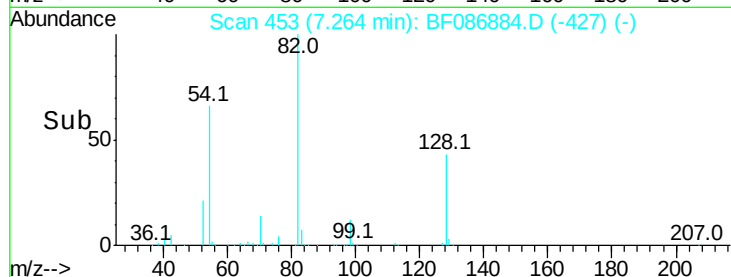
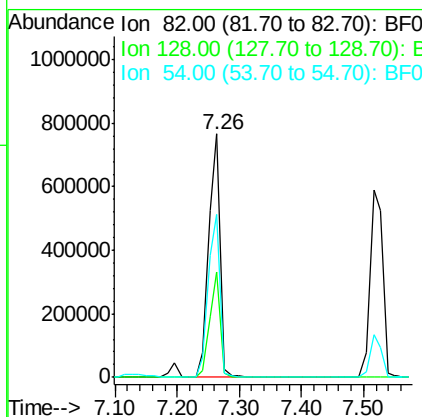
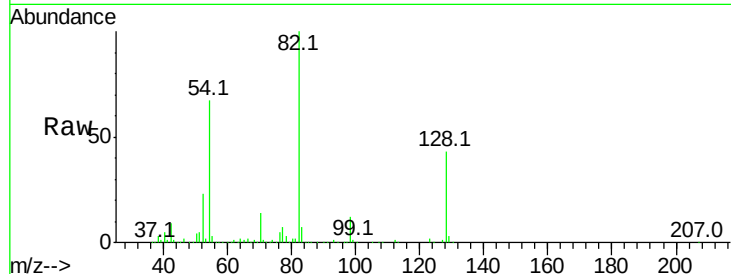




#23
 Nitrobenzene-d5
 Concen: 88.04 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

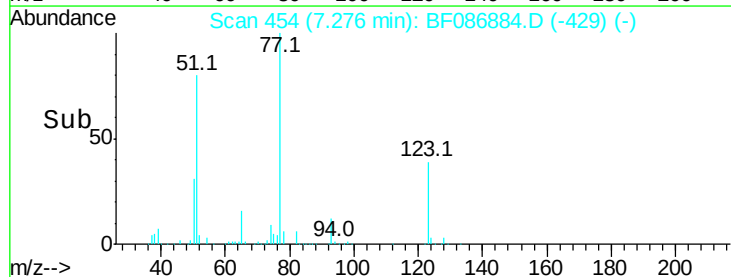
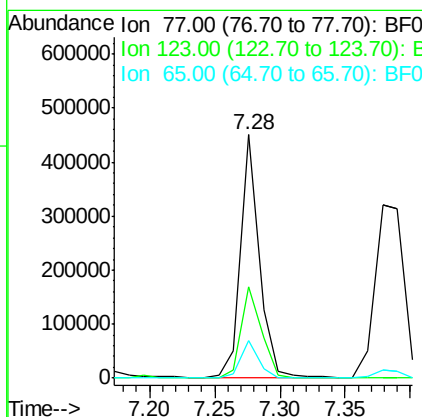
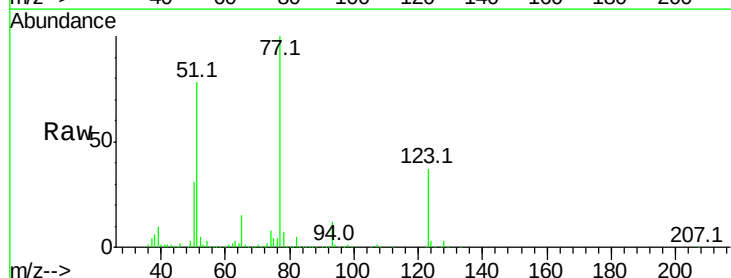
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

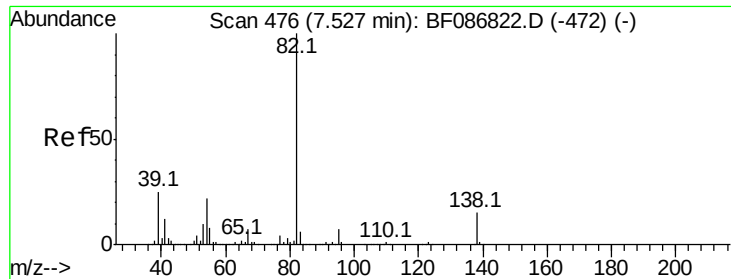
Tot Ion: 82 Resp: 971396
 Ion Ratio Lower Upper
 82 100
 128 43.1 40.6 61.0
 54 66.8 38.1 57.1#



#24
 Nitrobenzene
 Concen: 38.81 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion: 77 Resp: 440496
 Ion Ratio Lower Upper
 77 100
 123 37.2 33.0 49.4
 65 15.2 10.8 16.2





#25

Isophorone

Concen: 40.50 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

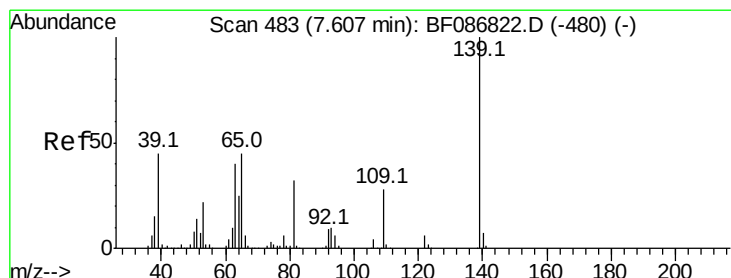
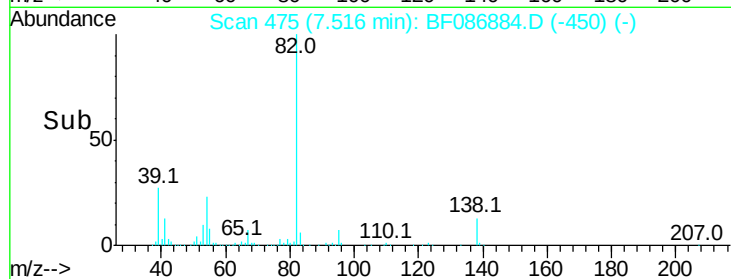
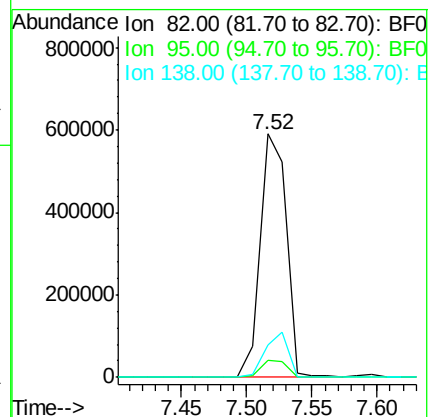
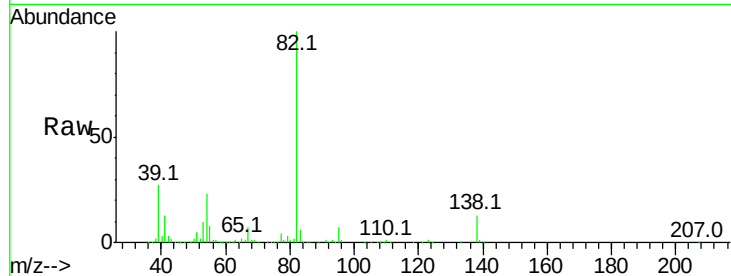
Tot Ion: 82 Resp: 829053

Ion Ratio Lower Upper

82 100

95 6.8 5.1 7.7

138 13.2 12.4 18.6



#26

2-Nitrophenol

Concen: 42.92 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

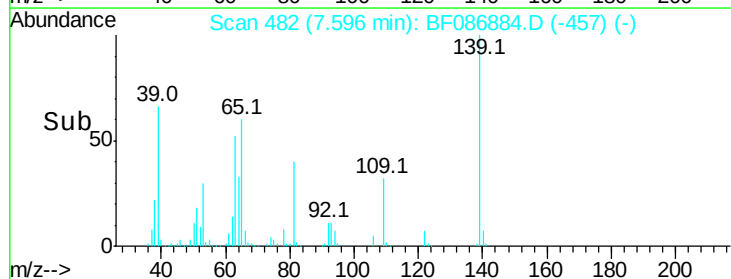
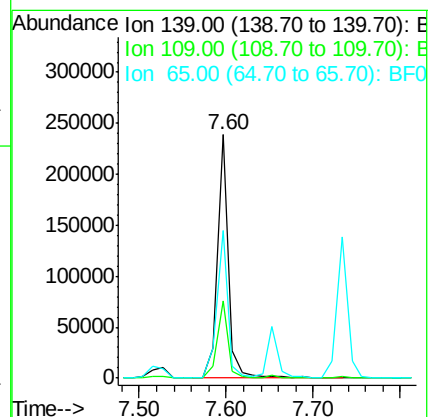
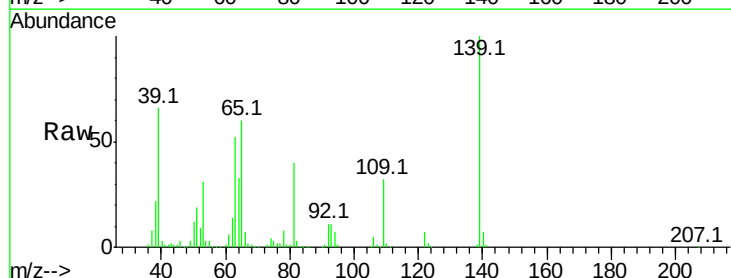
Tgt Ion: 139 Resp: 214160

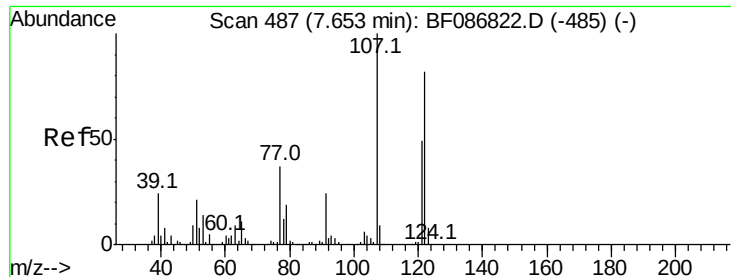
Ion Ratio Lower Upper

139 100

109 31.7 19.5 29.3#

65 60.5 37.5 56.3#

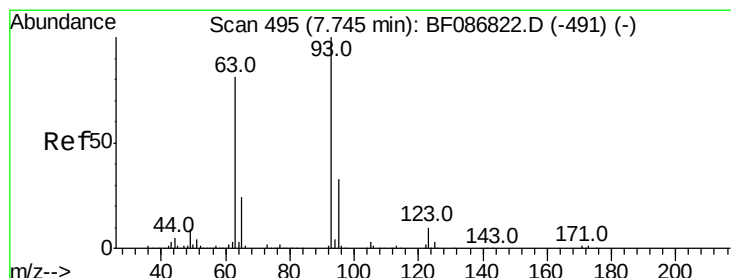
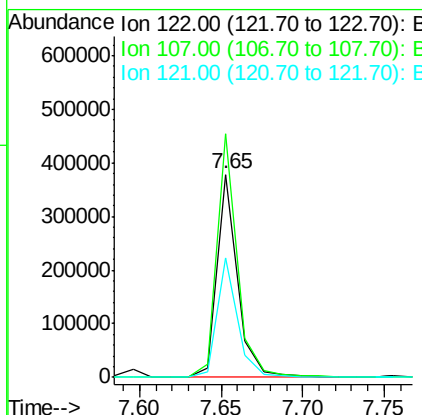
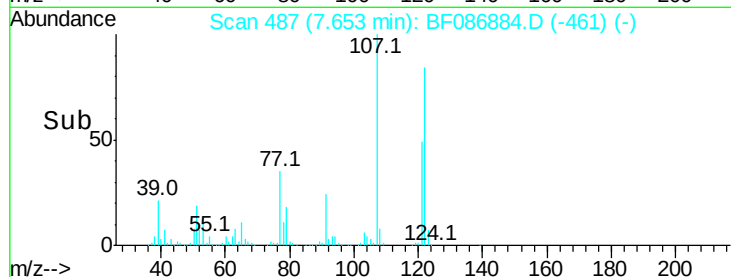
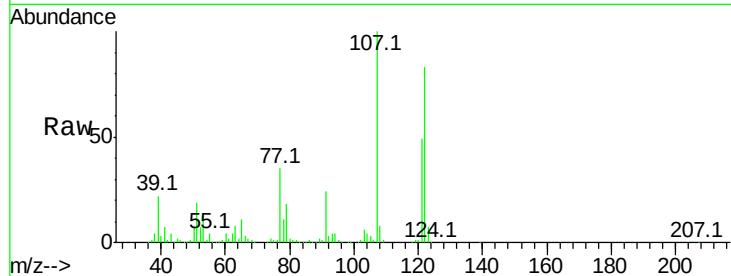




#27
2,4-Dimethylphenol
Concen: 39.31 ng
RT: 7.65 min Scan# 487
Delta R.T. -0.00 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

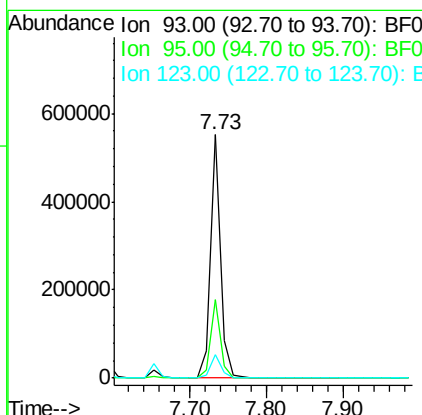
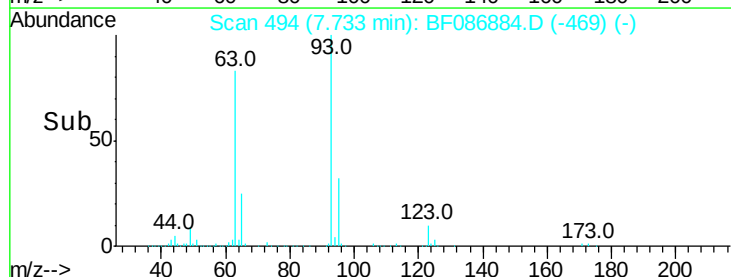
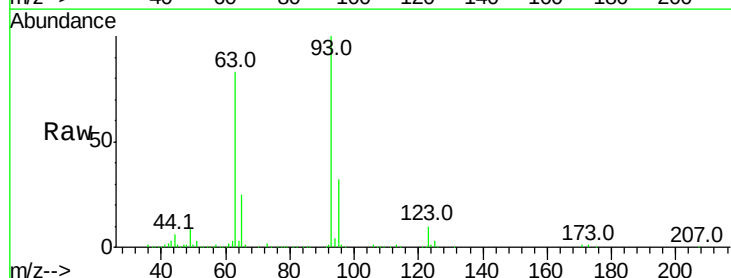
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

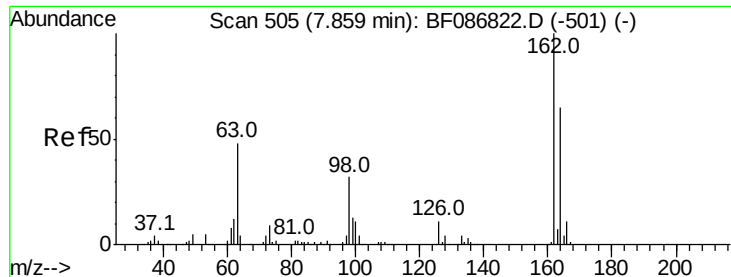
Tot Ion:122 Resp: 334122
Ion Ratio Lower Upper
122 100
107 119.9 82.0 123.0
121 58.6 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 44.71 ng
RT: 7.73 min Scan# 494
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion: 93 Resp: 493673
Ion Ratio Lower Upper
93 100
95 32.4 26.0 39.0
123 9.7 9.5 14.3

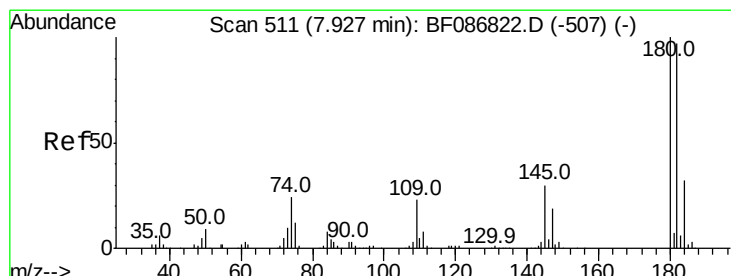
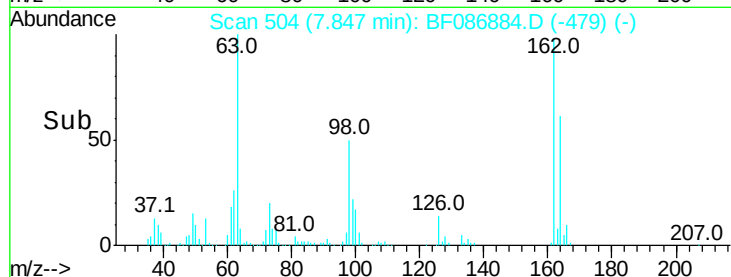
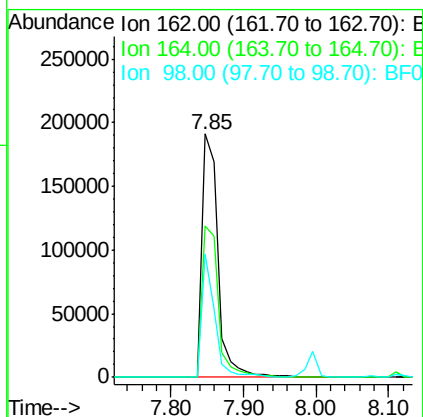
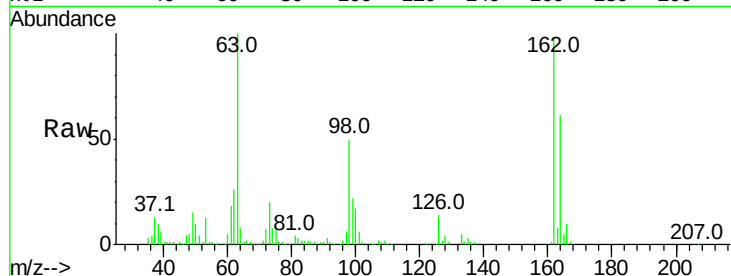




#29
 2,4-Dichlorophenol
 Concen: 39.15 ng
 RT: 7.85 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

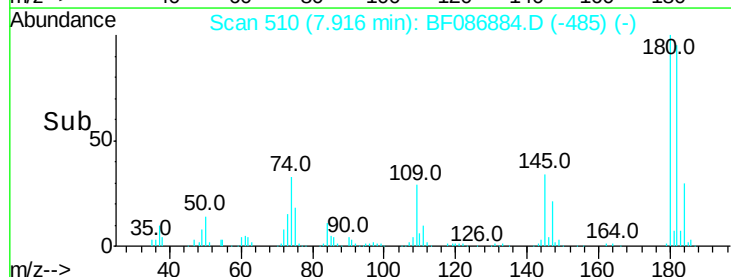
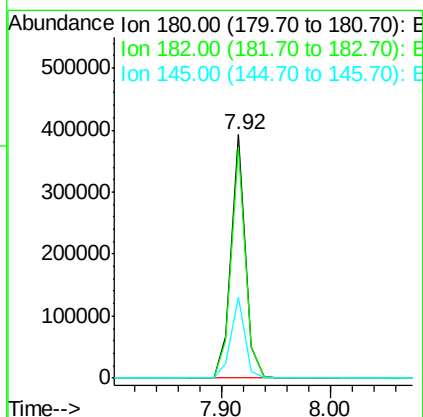
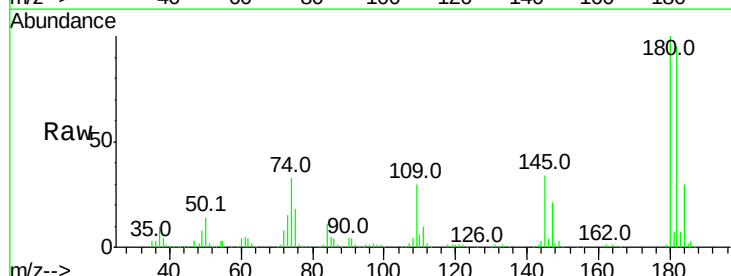
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

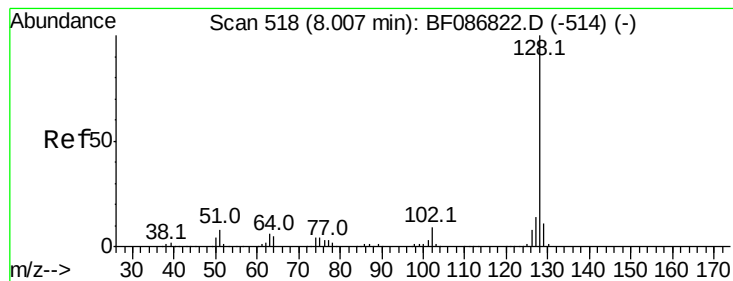
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.0	42.2	82.2
98	50.5	19.0	59.0



#30
 1,2,4-Trichlorobenzene
 Concen: 42.17 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	78.0	117.0
145	33.5	24.2	36.2





#31

Naphthalene

Concen: 42.50 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

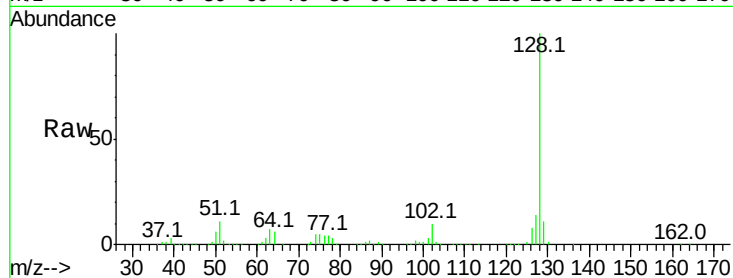
Tot Ion:128 Resp: 1179423

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

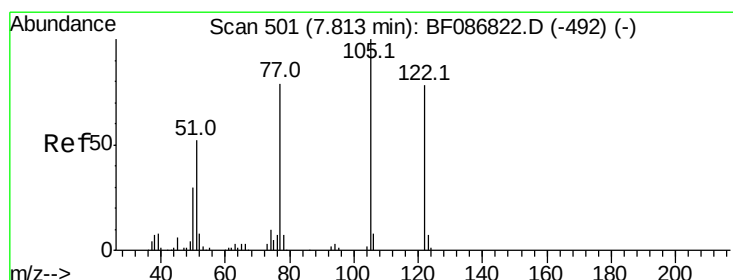
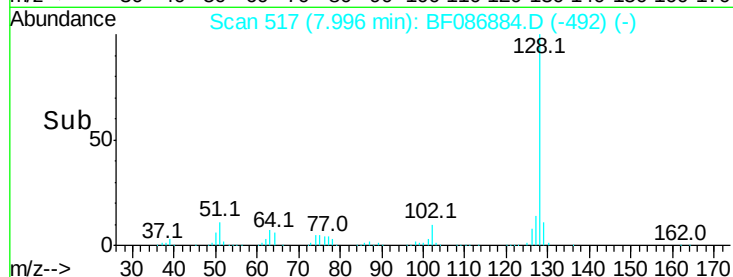
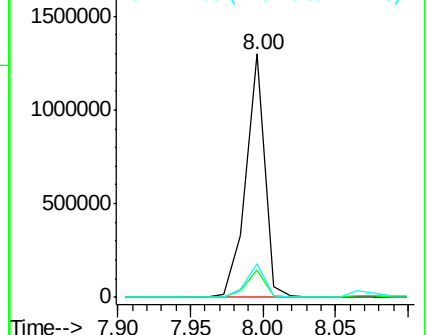
127 13.7 10.8 16.2



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: 66.94 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.16 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

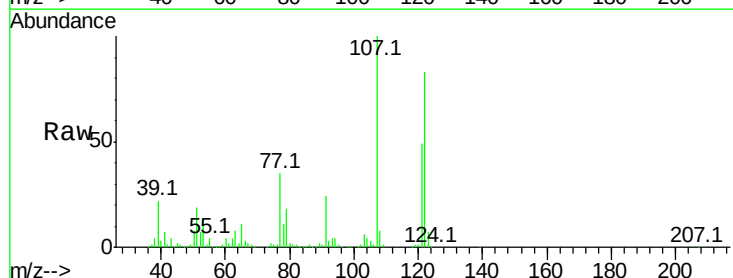
Tgt Ion:122 Resp: 334122

Ion Ratio Lower Upper

122 100

105 3.8 92.6 132.6#

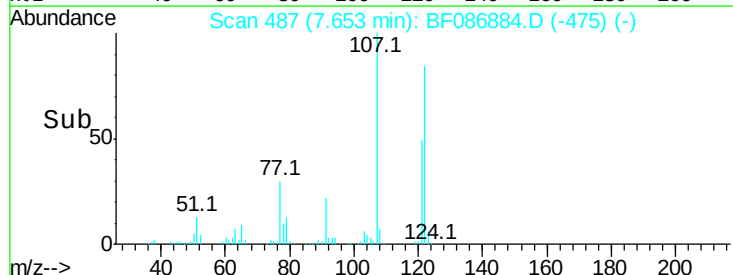
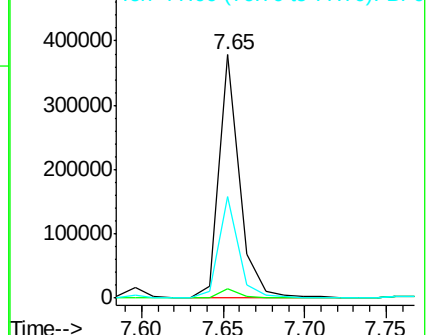
77 41.7 60.0 100.0#

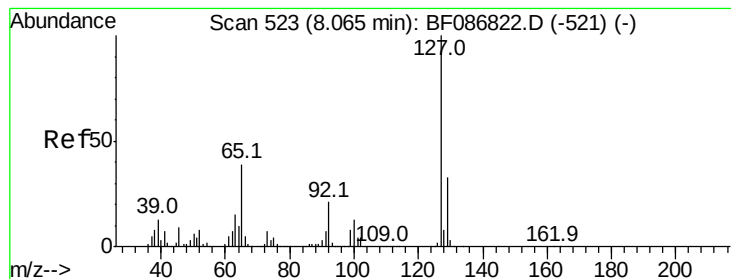


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 6.05 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

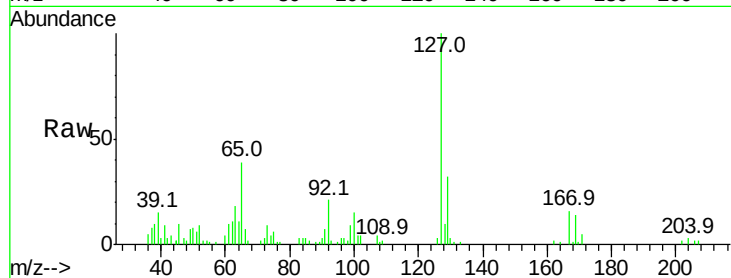
Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:	127	Resp:	65290
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	38.6	23.0	34.4
92	20.9	15.1	22.7

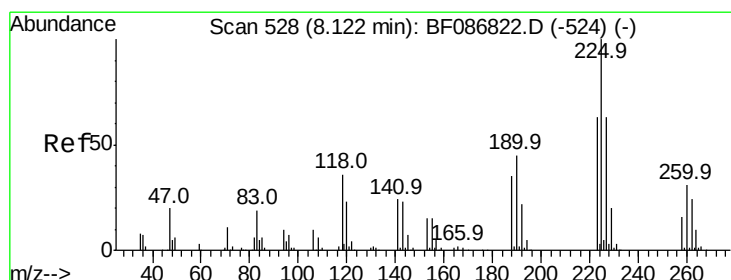
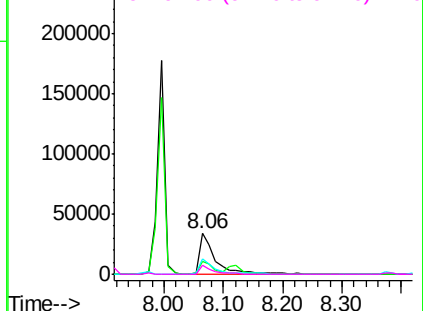
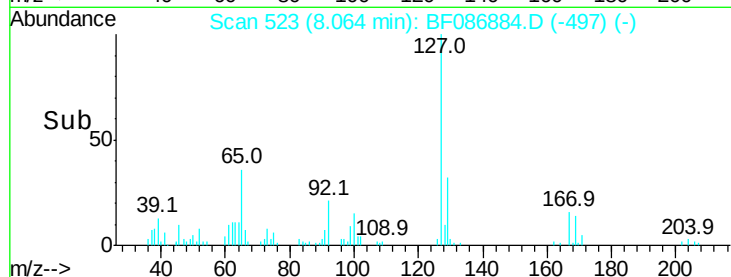


Abundance Ion 127.00 (126.70 to 127.70): E

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: 40.04 ng

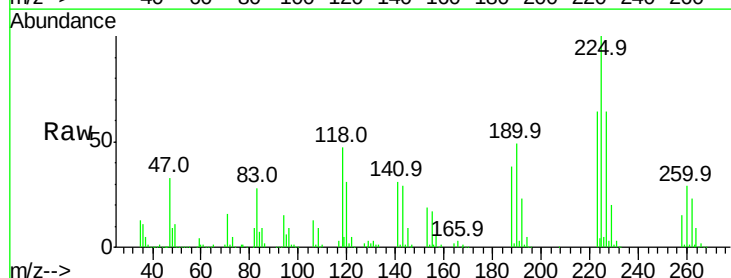
RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

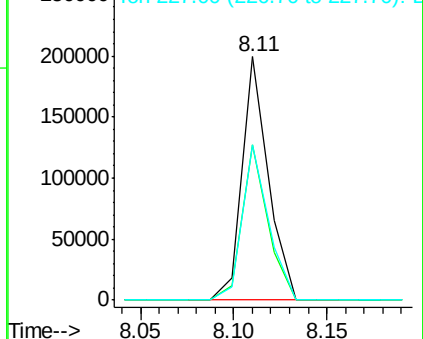
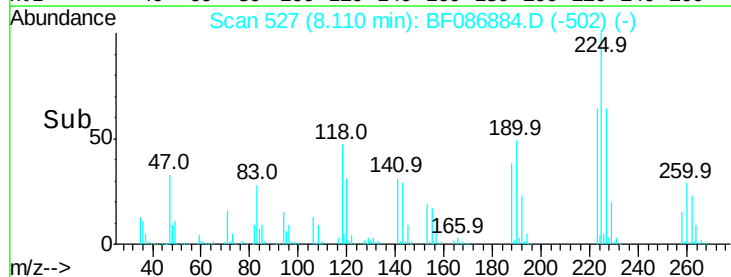
Tgt Ion:	225	Resp:	194312
Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.5	77.3
227	63.8	52.2	78.2

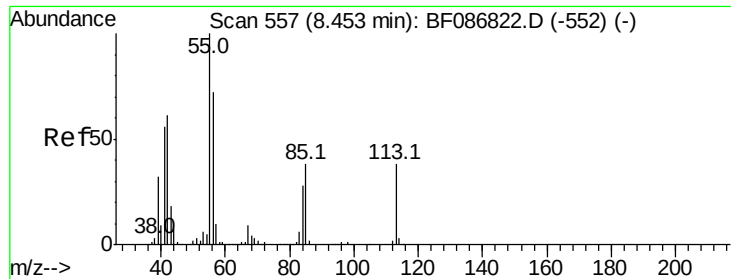


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 33.33 ng

RT: 8.43 min Scan# 555

Delta R.T. -0.02 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

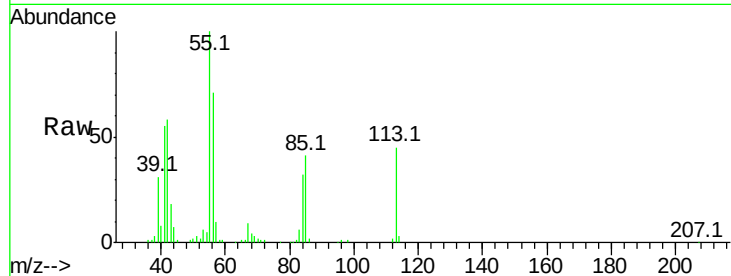
Tot Ion:113 Resp: 84827

Ion Ratio Lower Upper

113 100

55 224.2 162.0 202.0#

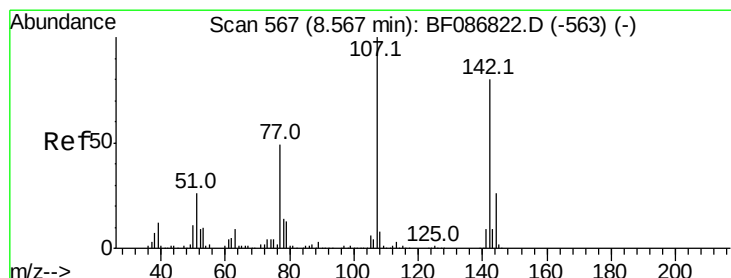
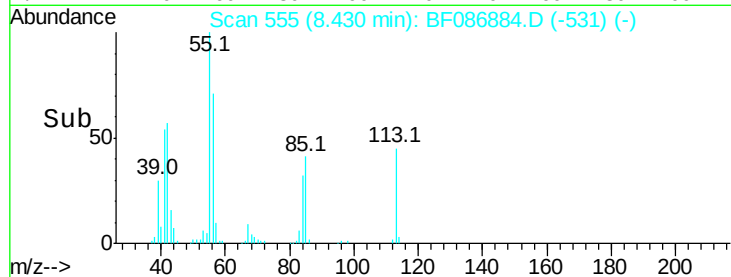
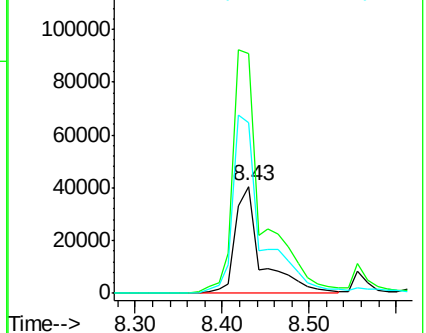
56 159.7 115.3 155.3#



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: 32.48 ng

RT: 8.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

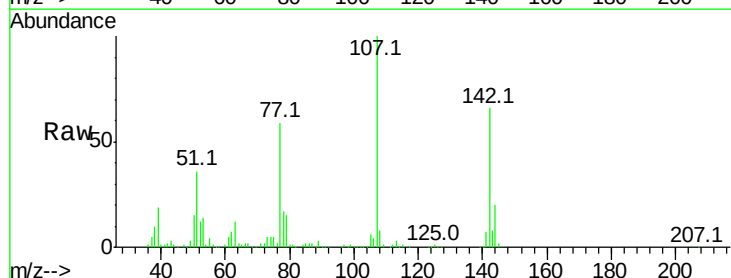
Tgt Ion:107 Resp: 294701

Ion Ratio Lower Upper

107 100

144 20.5 20.7 31.1#

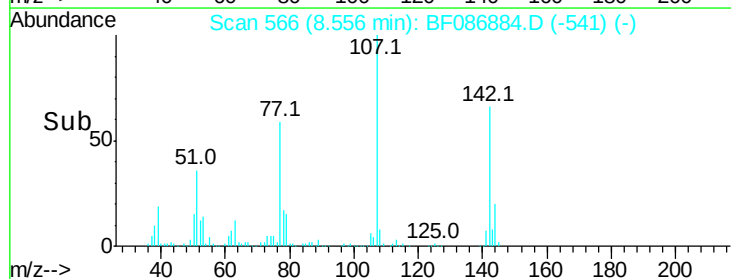
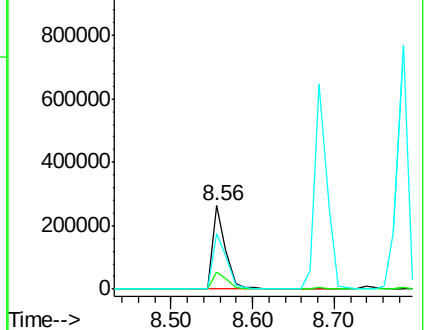
142 66.3 63.2 94.8

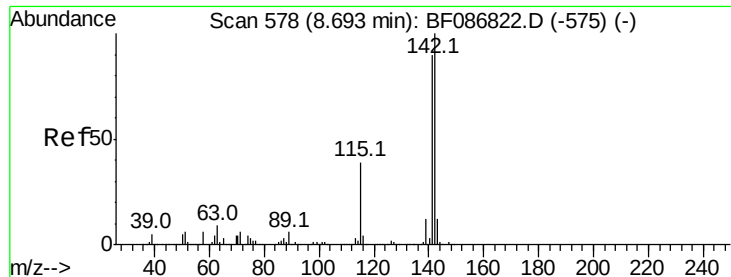


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

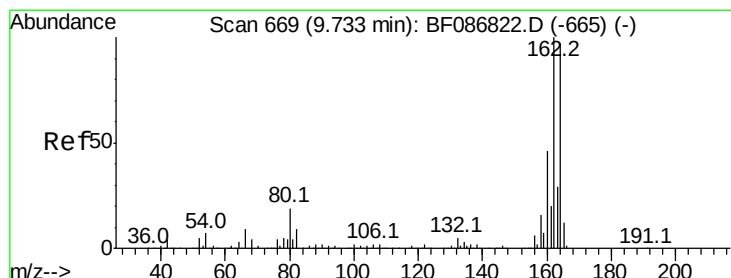
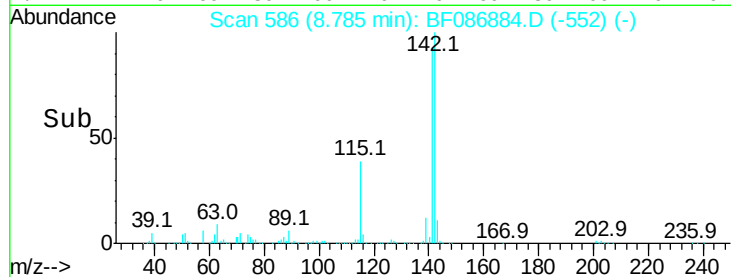
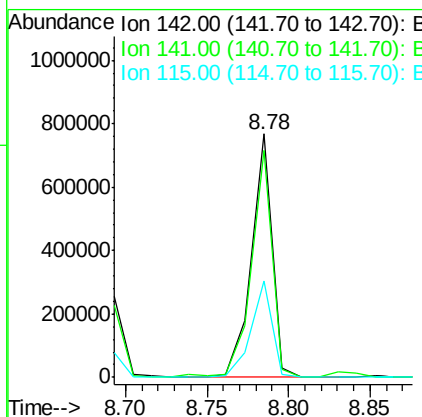
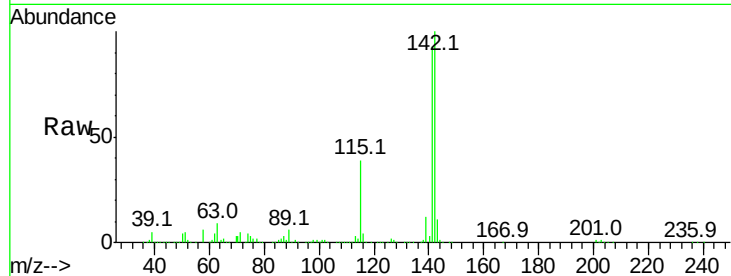




#37
 2-Methylnaphthalene
 Concen: 41.56 ng
 RT: 8.78 min Scan# 586
 Delta R.T. 0.09 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

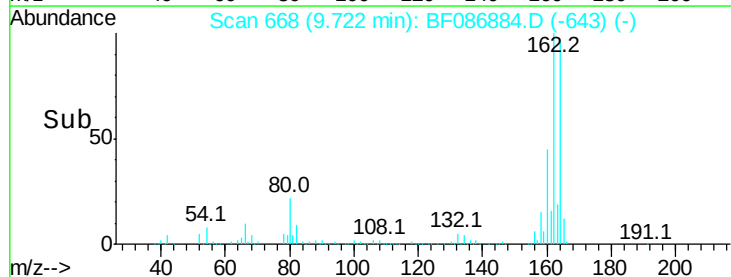
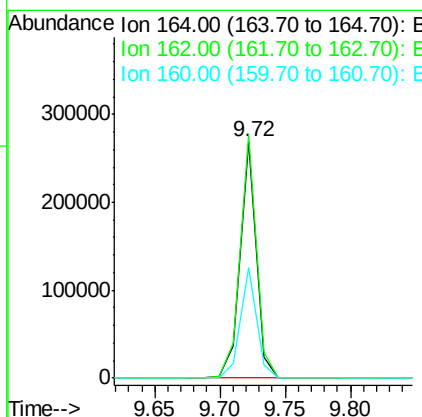
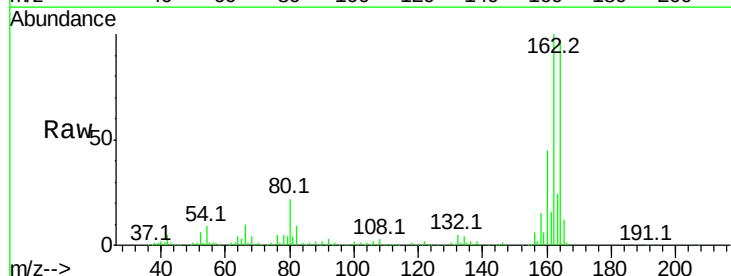
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

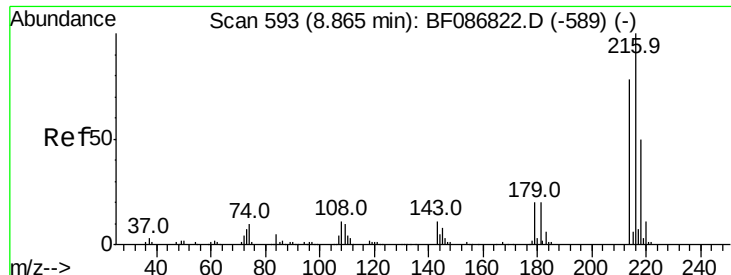
Tot Ion:142 Resp: 674271
 Ion Ratio Lower Upper
 142 100
 141 93.0 71.0 106.6
 115 39.5 26.6 39.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion:164 Resp: 227803
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.8 124.2
 160 46.8 36.9 55.3

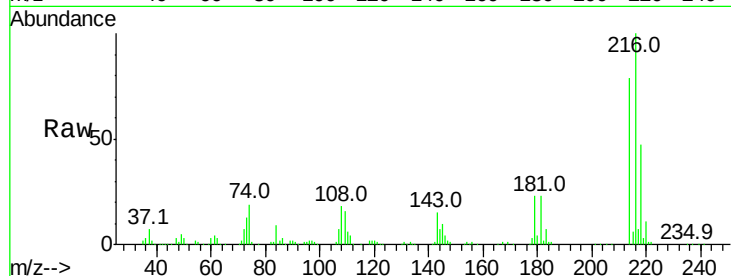




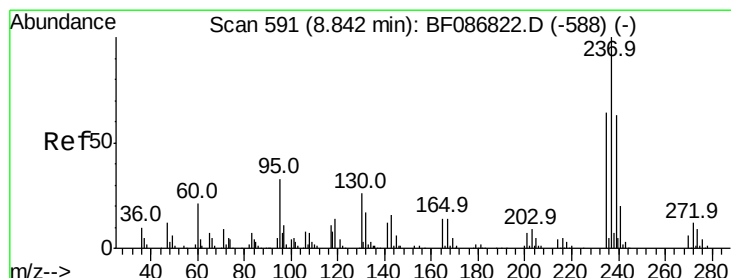
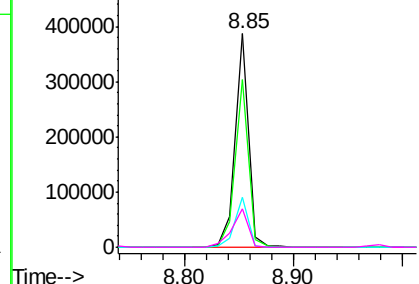
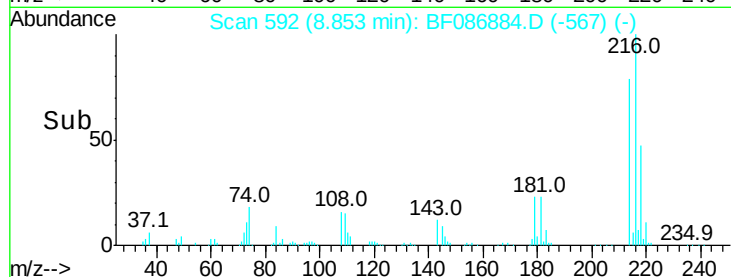
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.79 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

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

Tot Ion:	216	Resp:	323173
Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.6	93.8
179	23.9	18.2	27.4
108	22.8	17.5	26.3

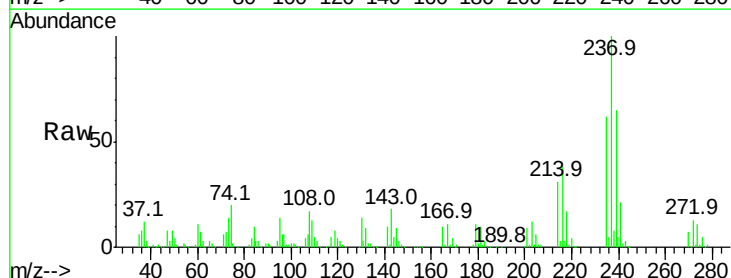


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

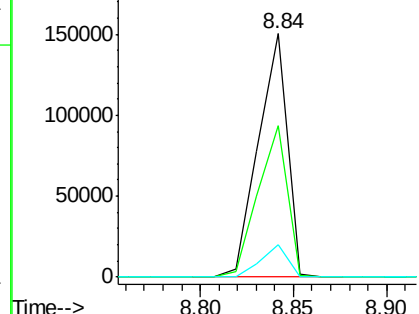
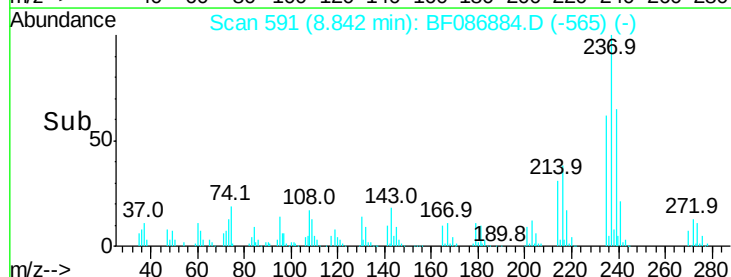


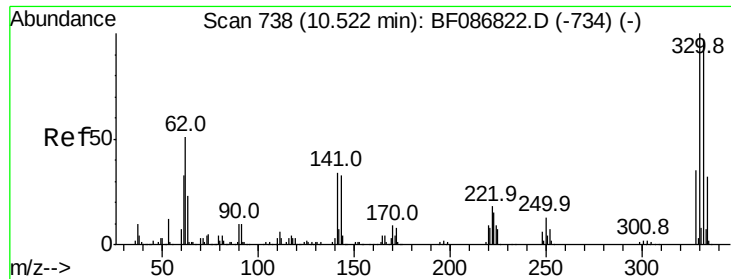
#40
 Hexachlorocyclopentadiene
 Concen: 51.15 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion:	237	Resp:	160803
Ion	Ratio	Lower	Upper
237	100		
235	62.2	47.2	87.2
272	13.2	0.0	31.1



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

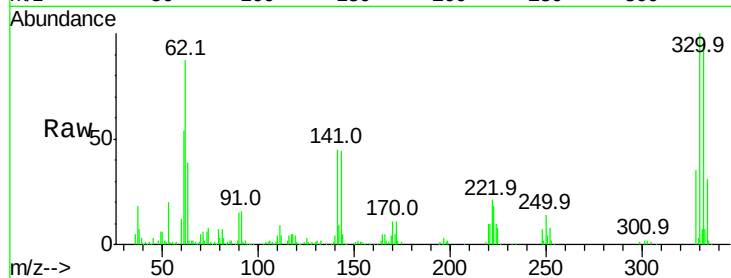




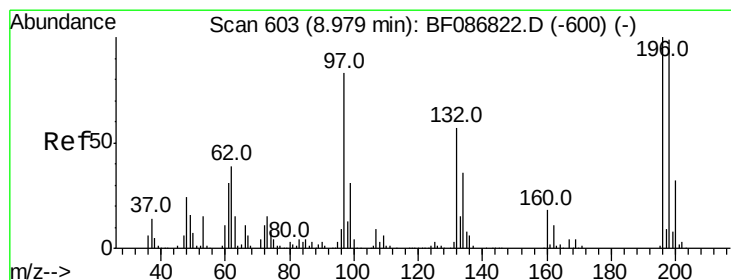
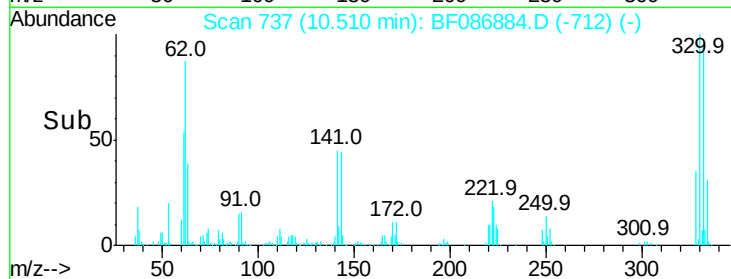
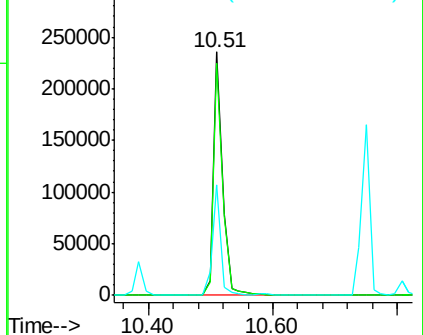
#41
 2,4,6-Tribromophenol
 Concen: 99.42 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

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

Tot Ion:330 Resp: 239780
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.0 118.4
 141 41.0 31.2 46.8

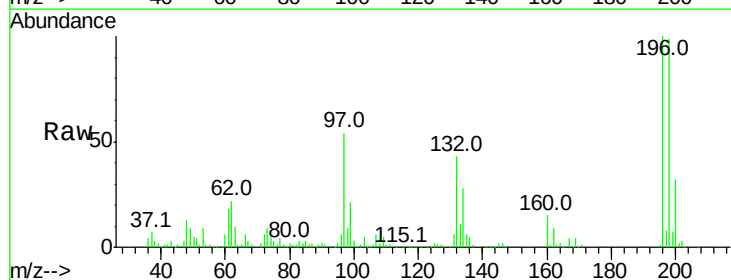


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

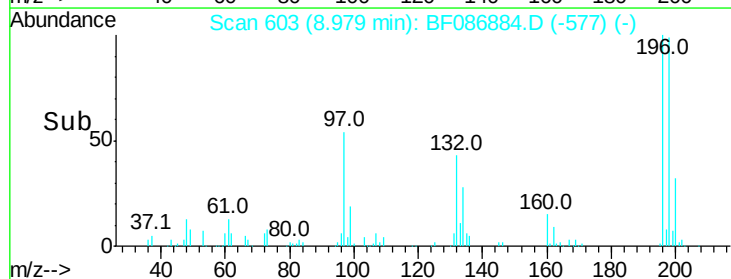
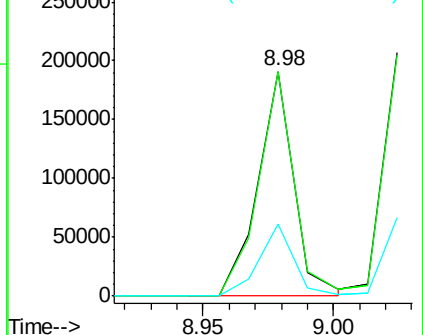


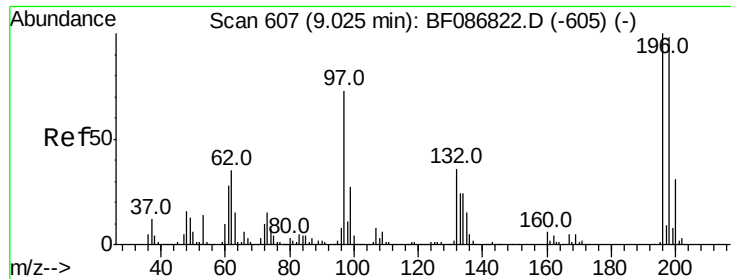
#42
 2,4,6-Trichlorophenol
 Concen: 41.65 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion:196 Resp: 184463
 Ion Ratio Lower Upper
 196 100
 198 99.5 74.7 112.1
 200 32.1 23.8 35.6



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

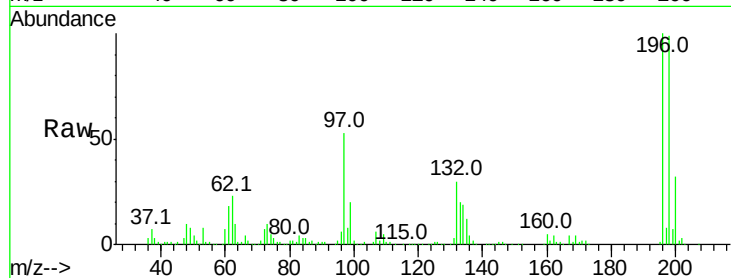




#43
 2,4,5-Trichlorophenol
 Concen: 40.62 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	99.0	77.5	116.3
97	53.4	34.8	52.2
132	29.6	23.0	34.4



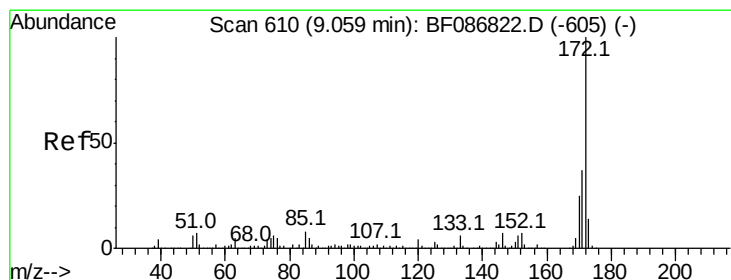
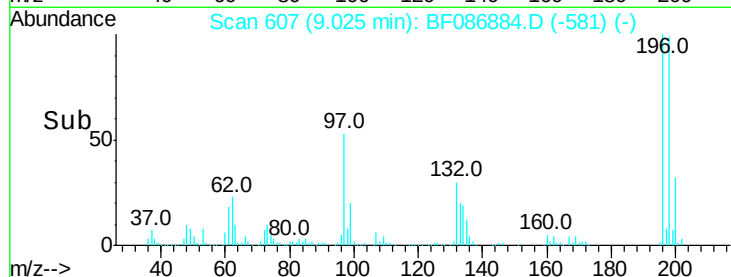
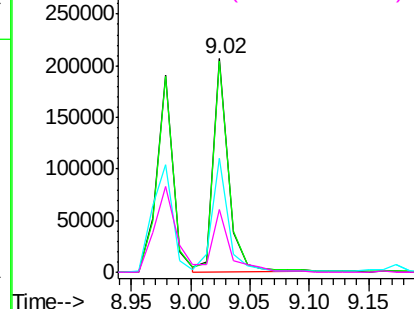
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

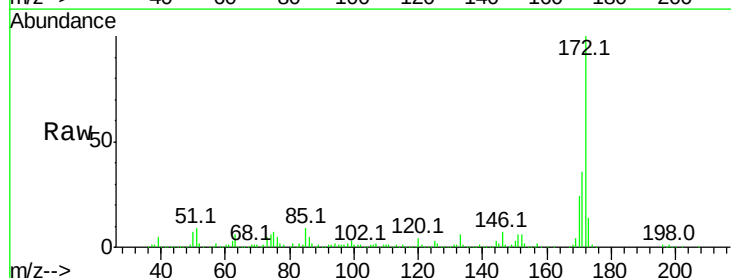
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 90.16 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	24.0	19.8	29.8

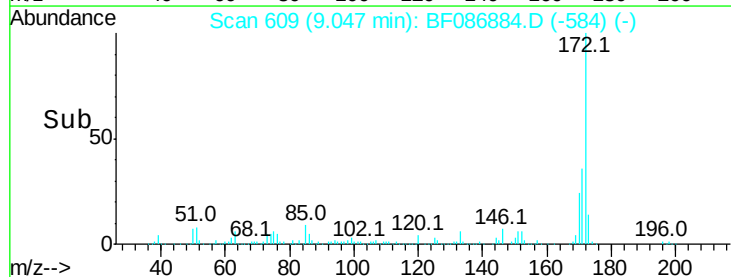
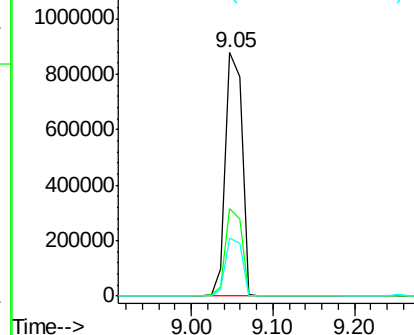


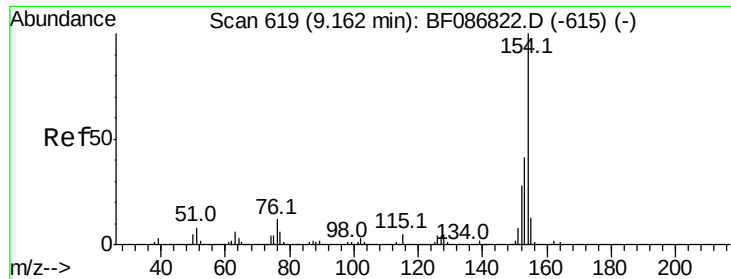
Abundance

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: 45.09 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

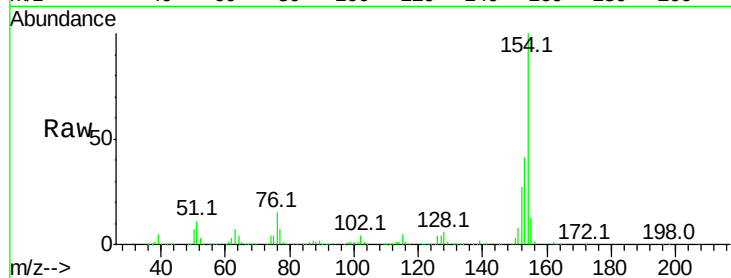
Tot Ion:154 Resp: 816925

Ion Ratio Lower Upper

154 100

153 41.0 20.3 60.3

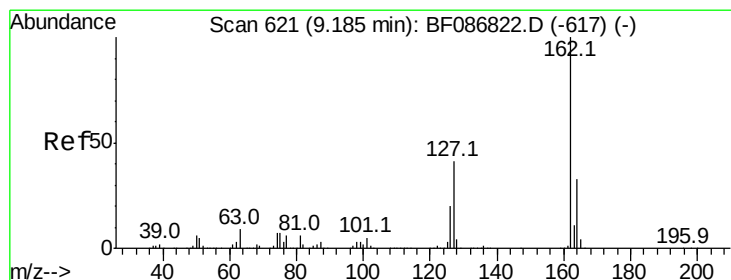
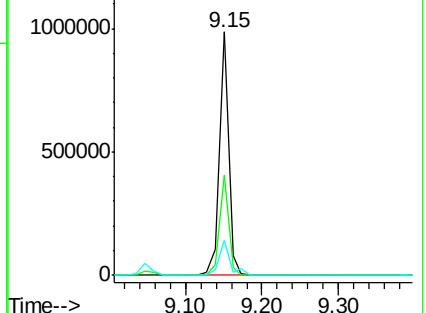
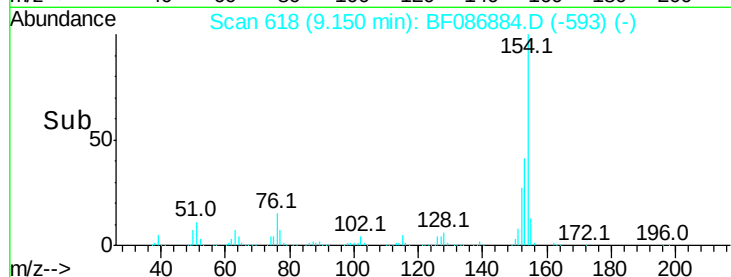
76 14.6 0.0 30.2



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: 43.80 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

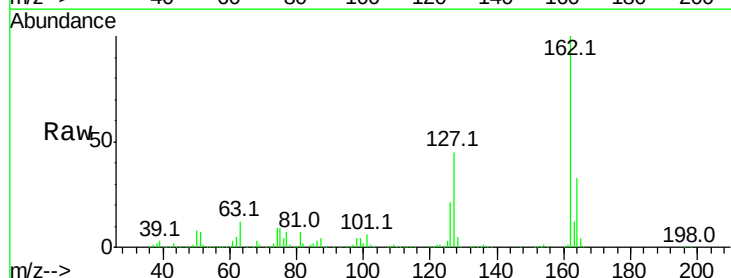
Tgt Ion:162 Resp: 621759

Ion Ratio Lower Upper

162 100

127 44.6 31.8 47.6

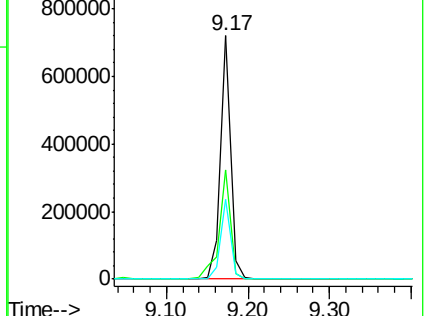
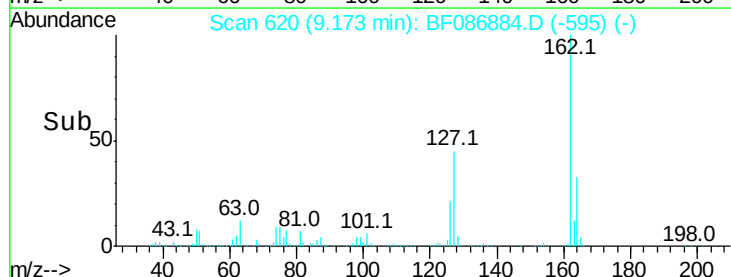
164 32.8 27.0 40.6

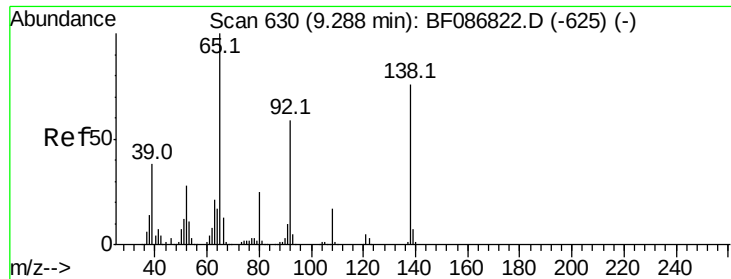


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

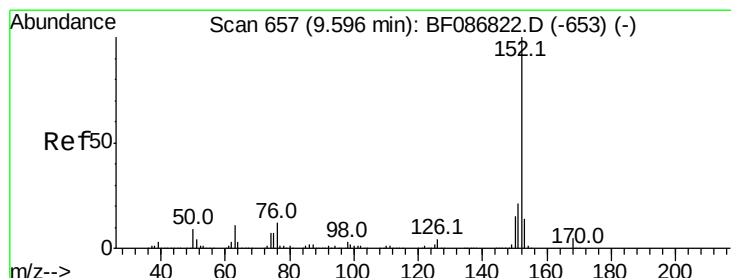
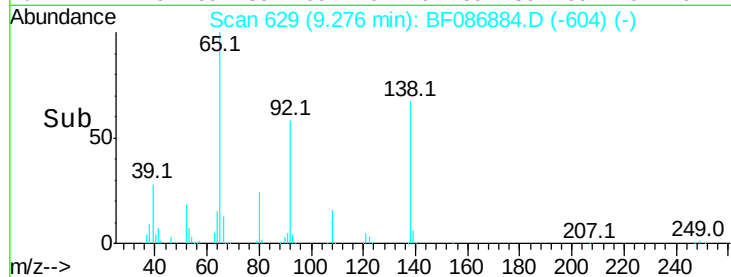
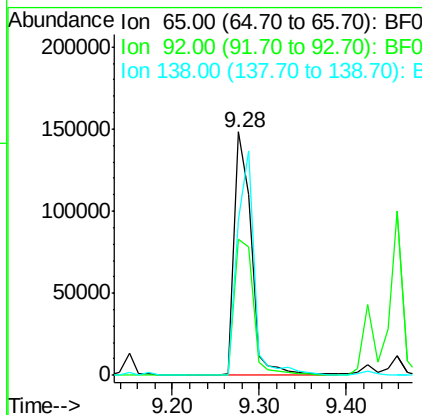
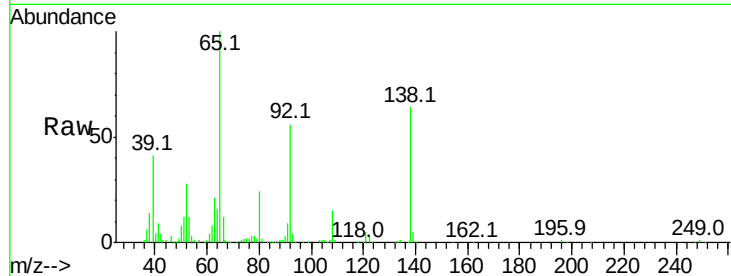




#47
2-Nitroaniline
Concen: 38.46 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

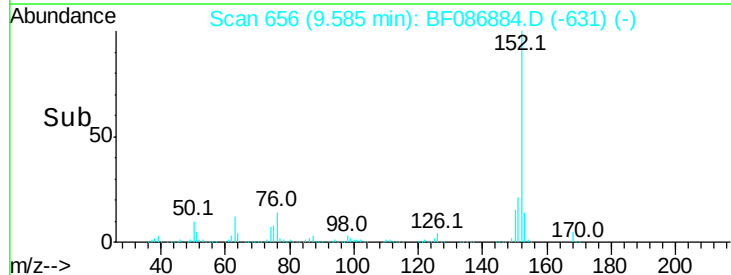
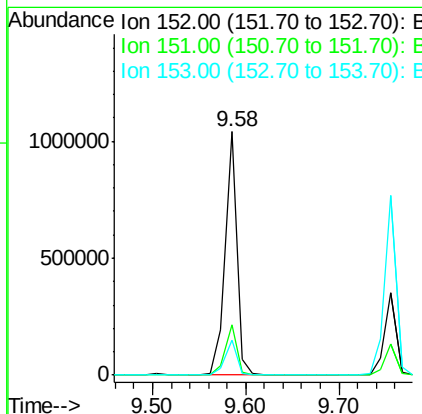
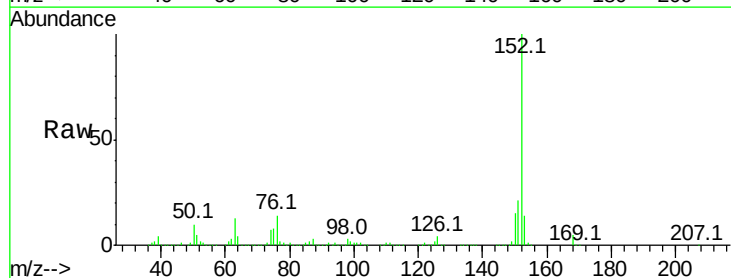
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

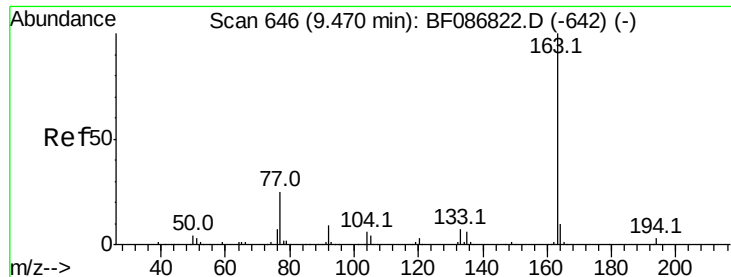
Tot Ion: 65 Resp: 199552
Ion Ratio Lower Upper
65 100
92 56.0 57.4 86.2#
138 63.6 90.1 135.1#



#48
Acenaphthylene
Concen: 43.50 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion:152 Resp: 908244
Ion Ratio Lower Upper
152 100
151 20.7 16.8 25.2
153 14.2 10.9 16.3





#49

Dimethylphthalate

Concen: 50.11 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

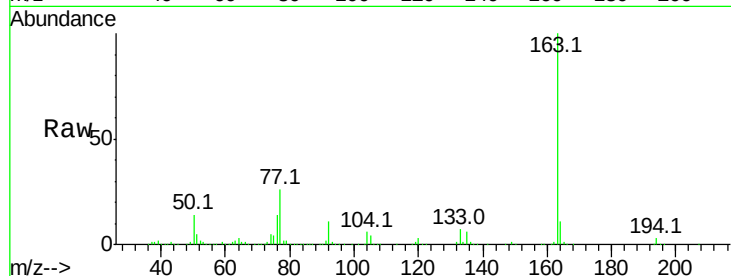
Tot Ion:163 Resp: 870959

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

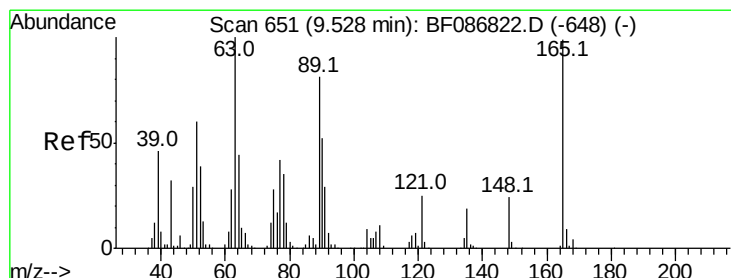
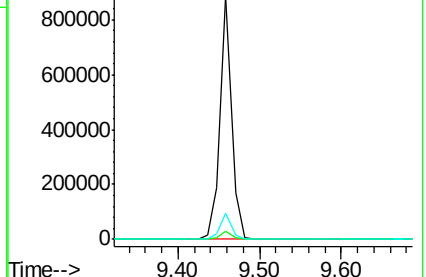
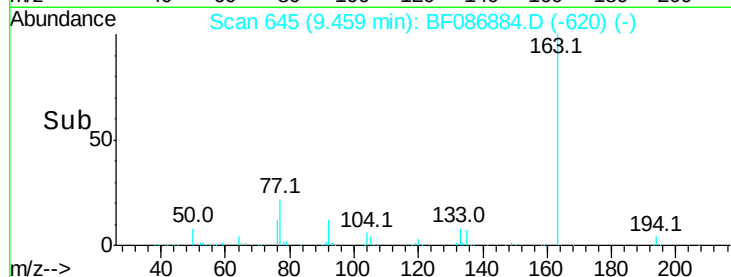
164 10.6 8.2 12.4



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: 40.71 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

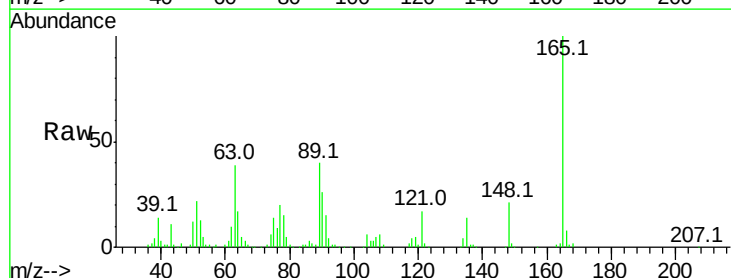
Tgt Ion:165 Resp: 148905

Ion Ratio Lower Upper

165 100

63 39.1 51.8 77.8#

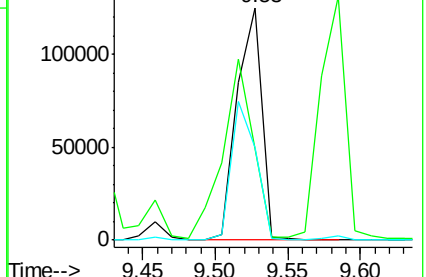
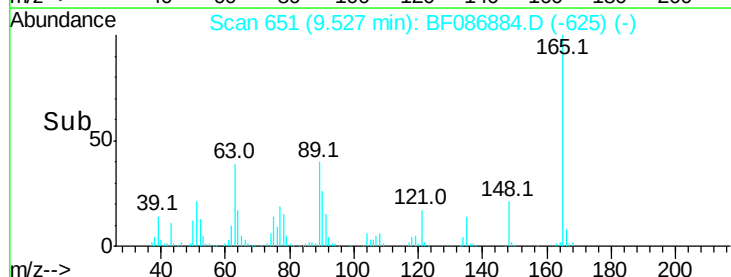
89 39.8 50.7 76.1#

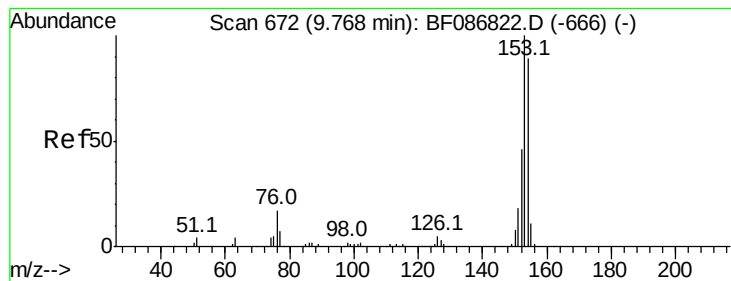


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.35 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

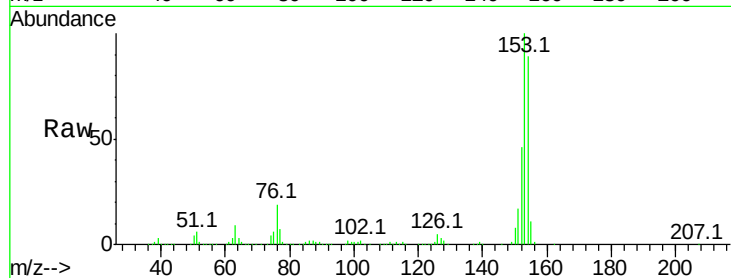
Tot Ion:154 Resp: 589017

Ion Ratio Lower Upper

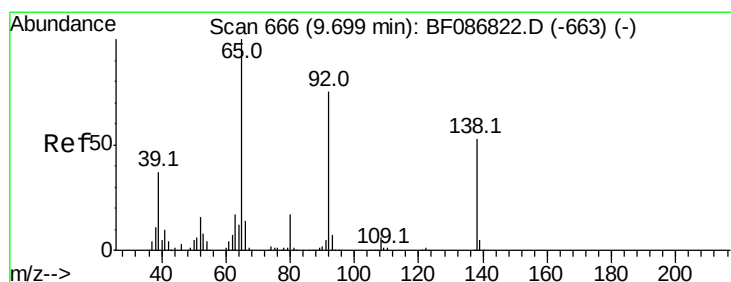
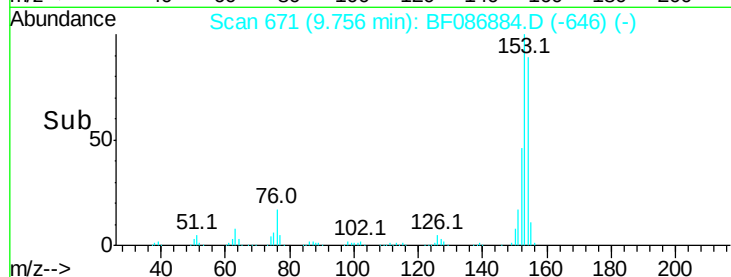
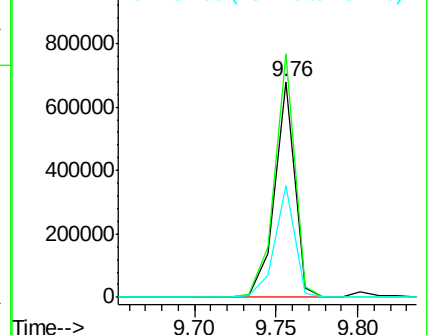
154 100

153 112.9 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: 19.50 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

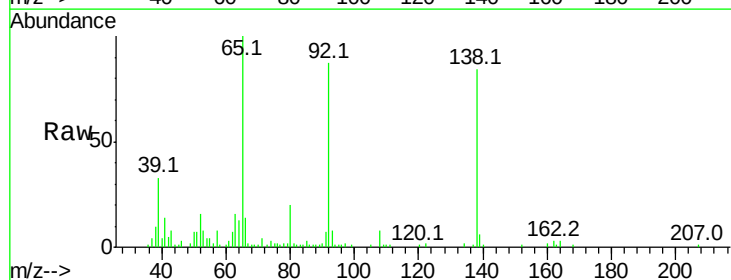
Tgt Ion:138 Resp: 75097

Ion Ratio Lower Upper

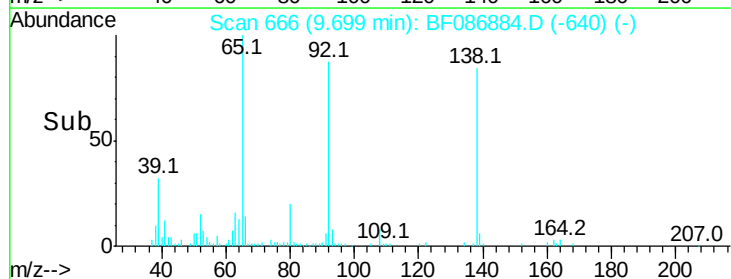
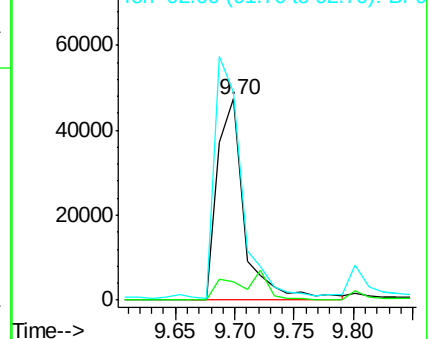
138 100

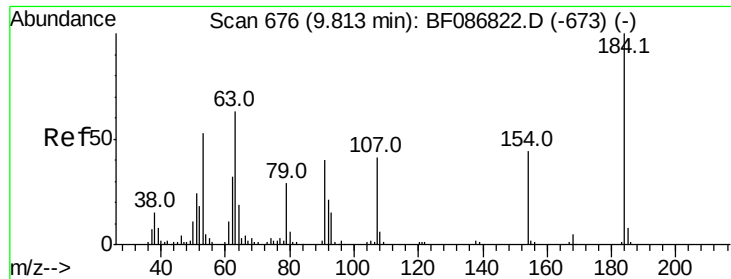
108 9.4 7.8 11.6

92 103.2 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

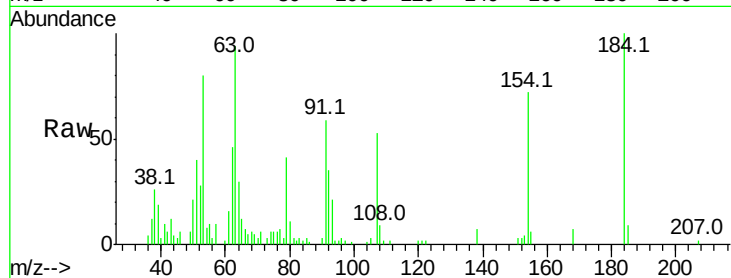




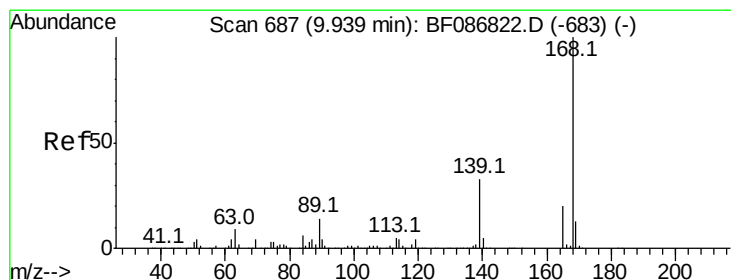
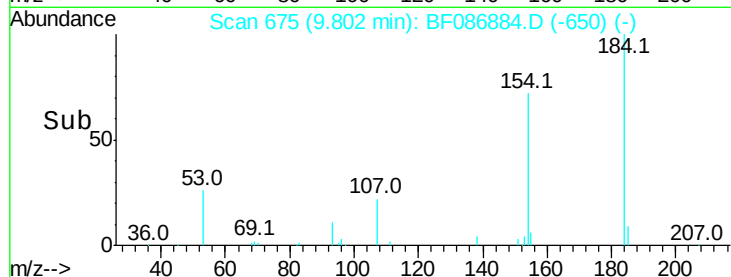
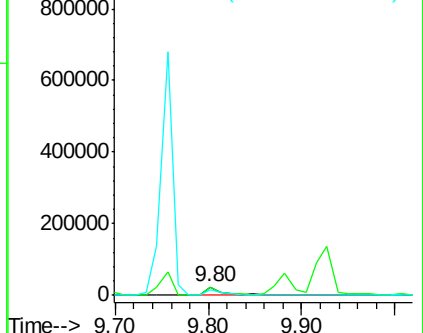
#53
 2,4-Dinitrophenol
 Concen: 24.81 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

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

Tot Ion:184 Resp: 35404
 Ion Ratio Lower Upper
 184 100
 63 93.8 55.8 83.8#
 154 71.9 62.4 93.6

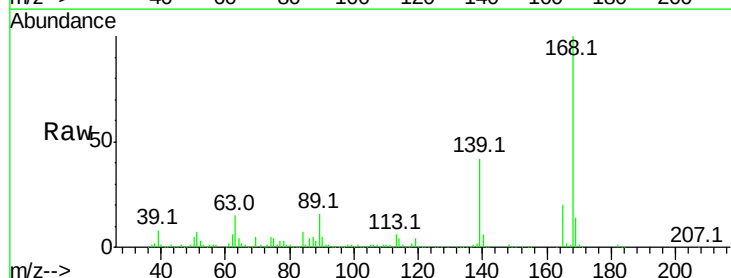


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

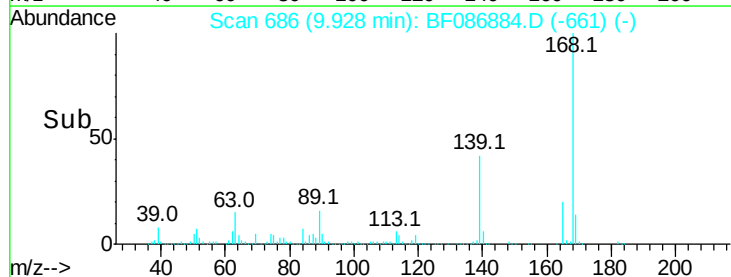
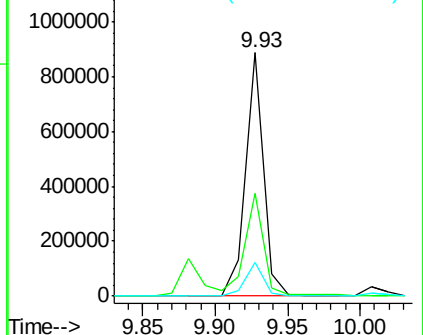


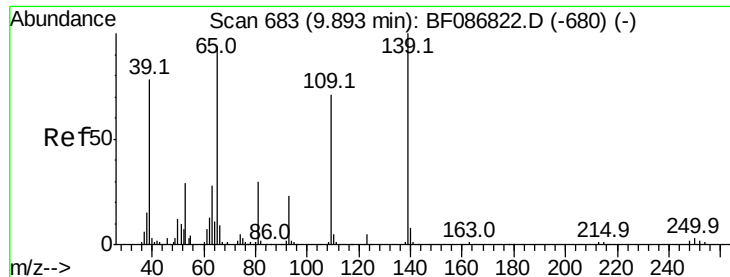
#54
 Dibenzofuran
 Concen: 45.98 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion:168 Resp: 766663
 Ion Ratio Lower Upper
 168 100
 139 42.2 31.4 47.0
 169 13.7 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: 56.42 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

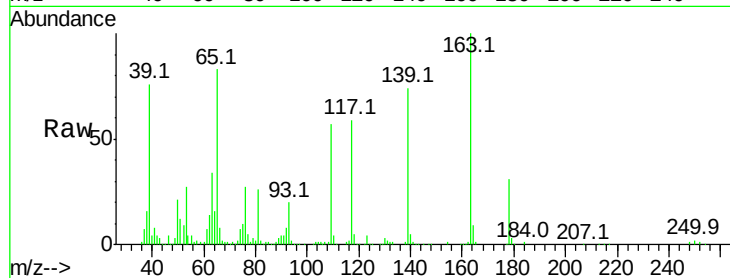
Tot Ion:139 Resp: 141188

Ion Ratio Lower Upper

139 100

109 76.8 36.9 76.9

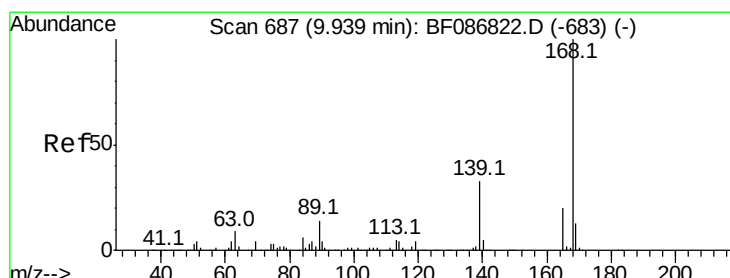
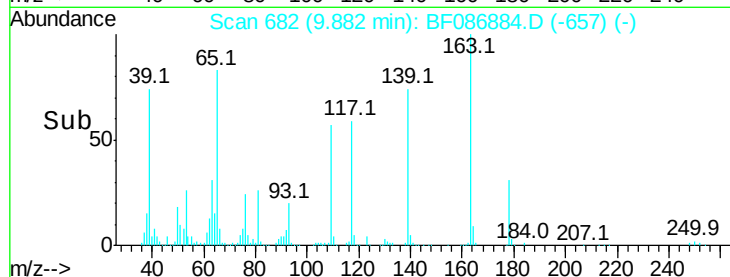
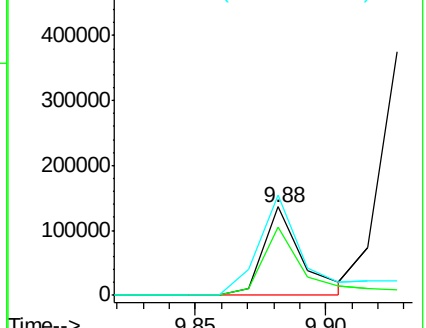
65 112.6 64.0 104.0#



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: 40.66 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:165 Resp: 184058

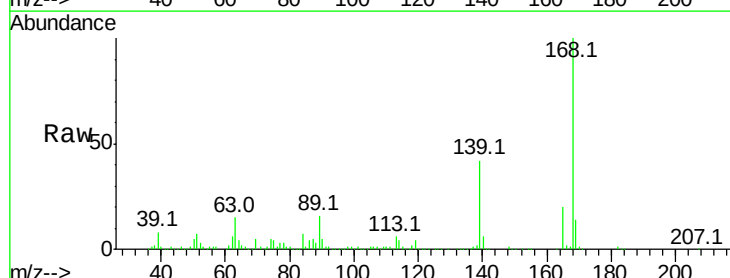
Ion Ratio Lower Upper

165 100

63 76.1 44.3 66.5#

89 81.5 70.0 105.0

182 2.5 1.8 2.6

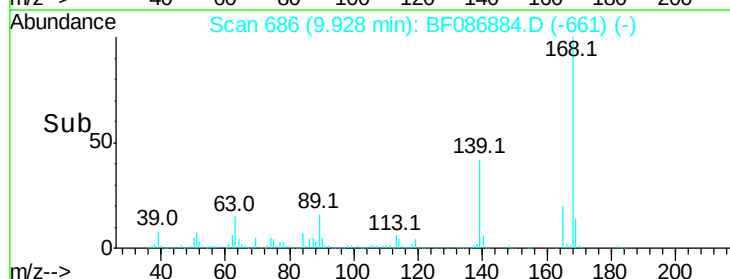
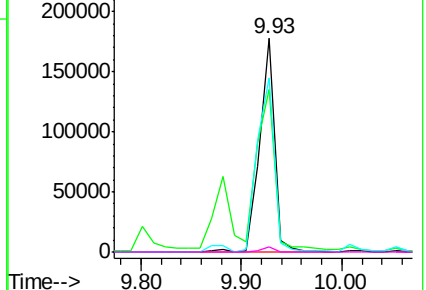


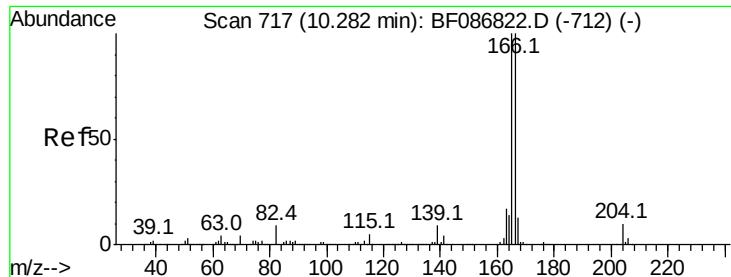
Abundance Ion 165.00 (164.70 to 165.70): E

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: 43.88 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

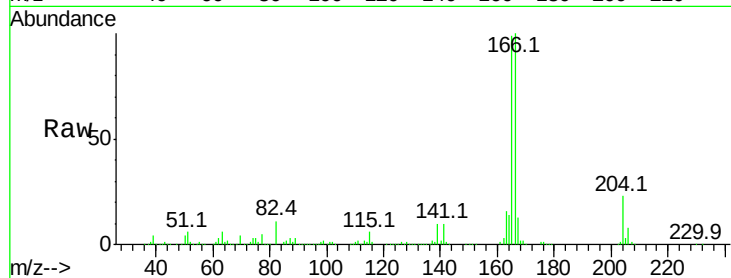
Tot Ion:166 Resp: 623991

Ion Ratio Lower Upper

166 100

165 99.1 79.0 118.6

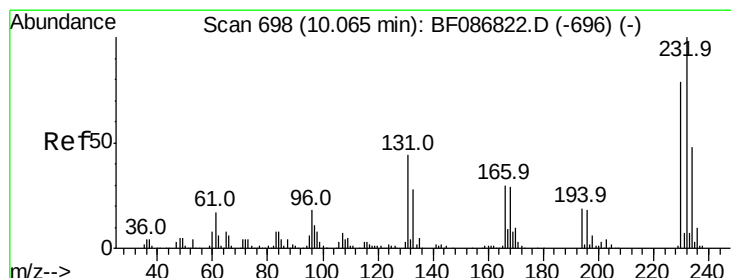
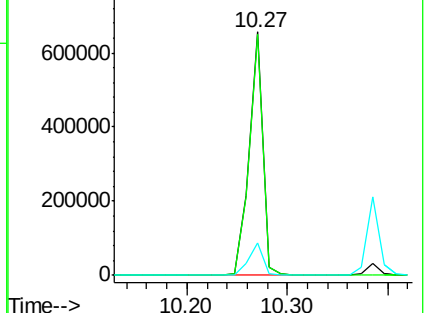
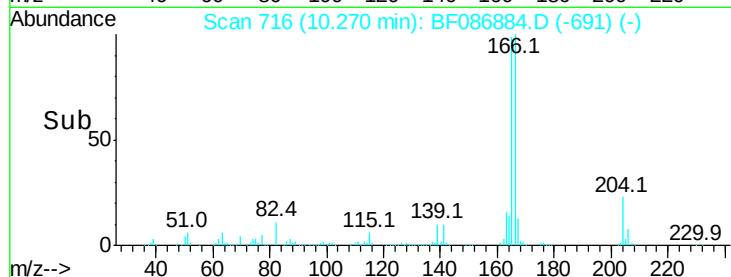
167 13.2 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.30 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:232 Resp: 142410

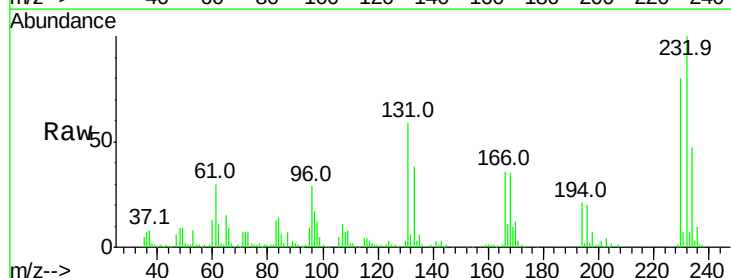
Ion Ratio Lower Upper

232 100

131 55.3 41.9 62.9

130 2.8 2.2 3.4

166 32.4 26.8 40.2

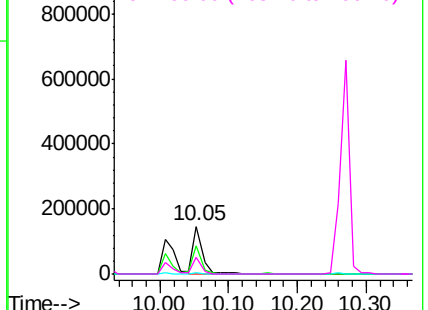
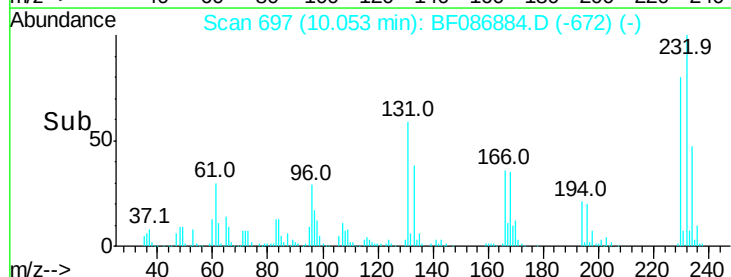


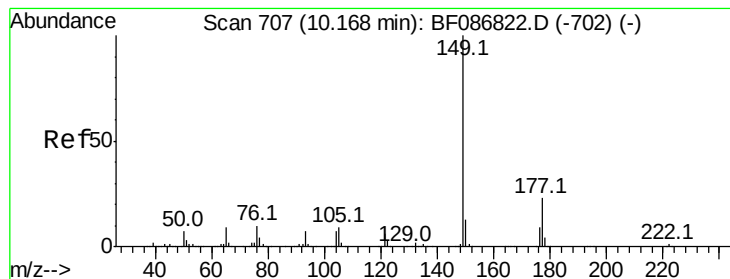
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 40.76 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

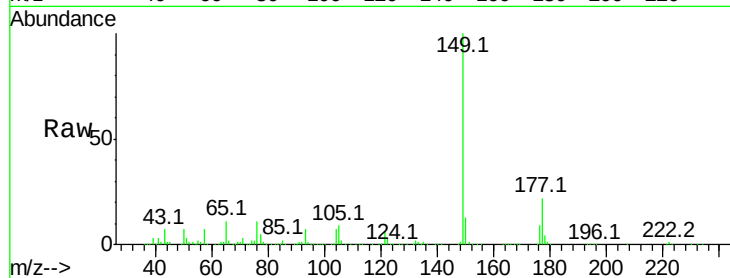
Tot Ion:149 Resp: 690372

Ion Ratio Lower Upper

149 100

177 22.4 16.6 24.8

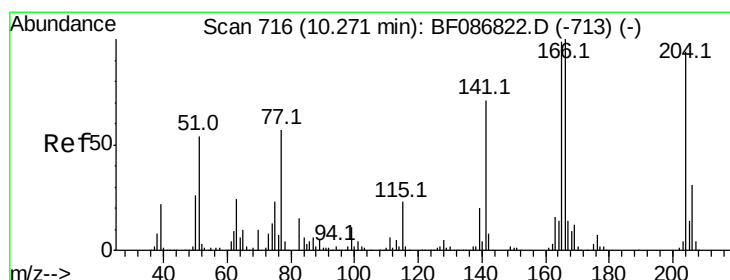
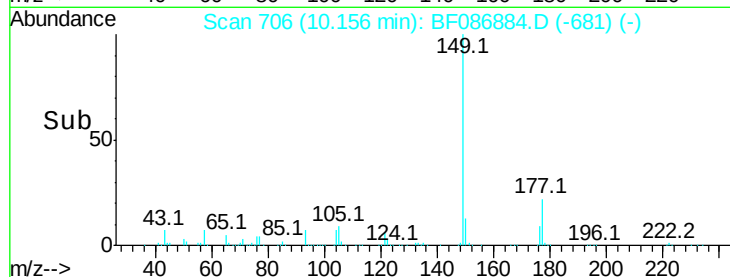
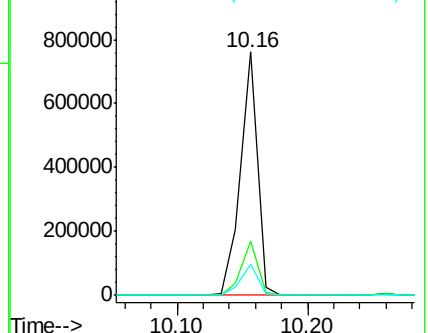
150 12.8 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 41.37 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

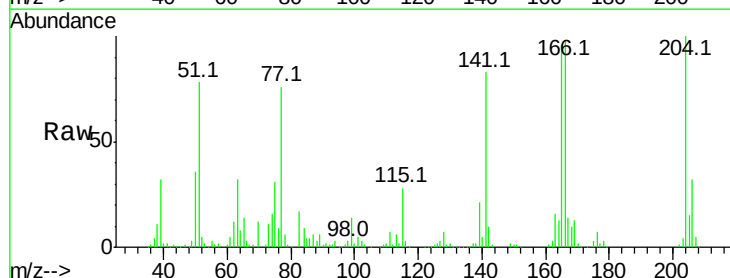
Tgt Ion:204 Resp: 261136

Ion Ratio Lower Upper

204 100

206 32.2 25.4 38.0

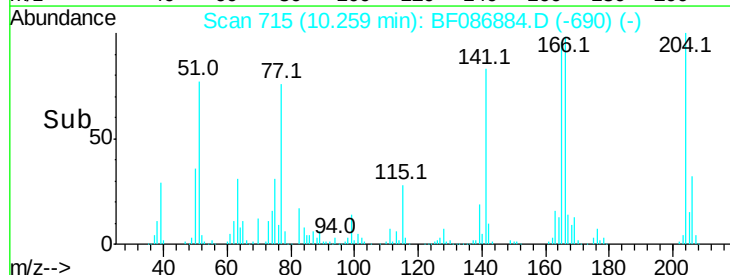
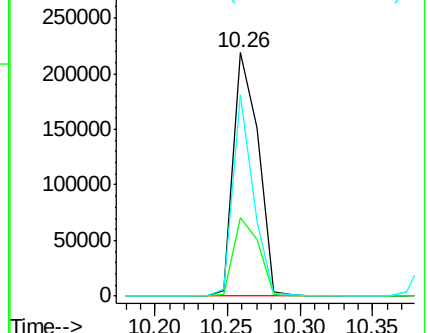
141 82.9 61.6 92.4

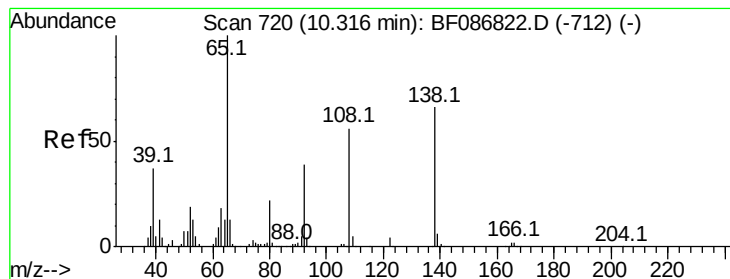


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 31.38 ng

RT: 10.30 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

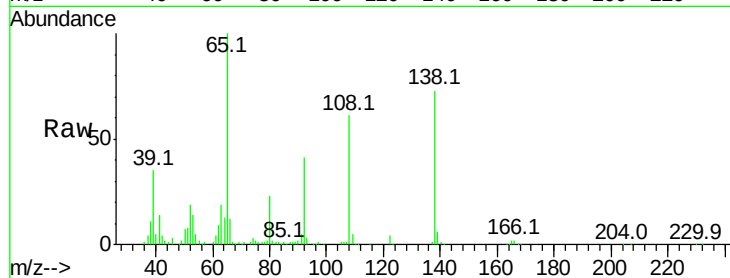
Tot Ion:138 Resp: 116050

Ion Ratio Lower Upper

138 100

92 56.8 24.7 64.7

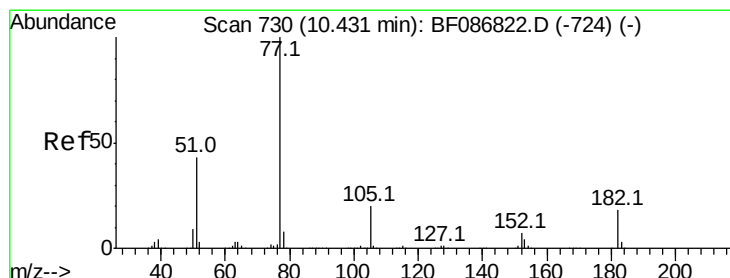
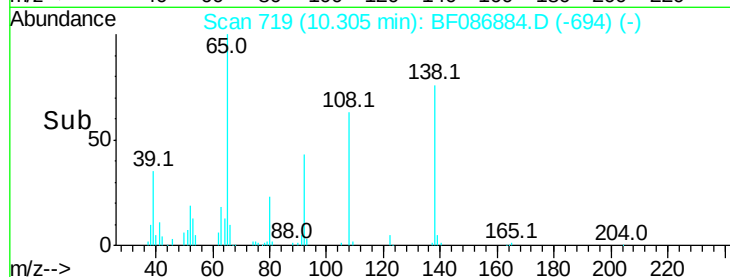
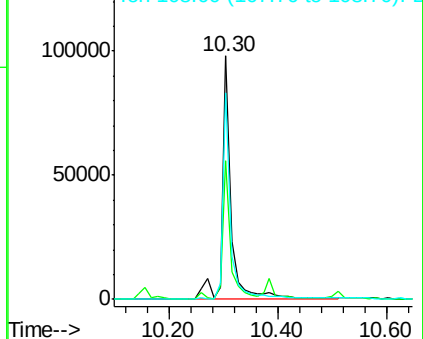
108 84.6 37.4 77.4#



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: 41.06 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion: 77 Resp: 750323

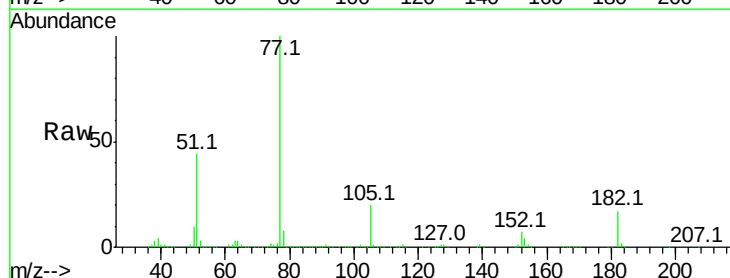
Ion Ratio Lower Upper

77 100

182 16.6 0.0 38.8

105 19.9 3.2 43.2

51 44.1 8.8 48.8

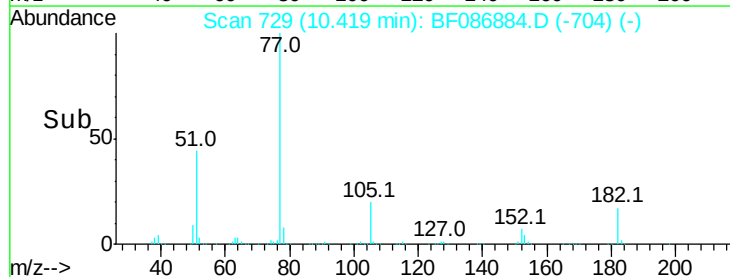
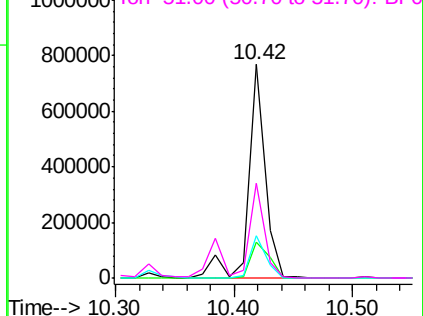


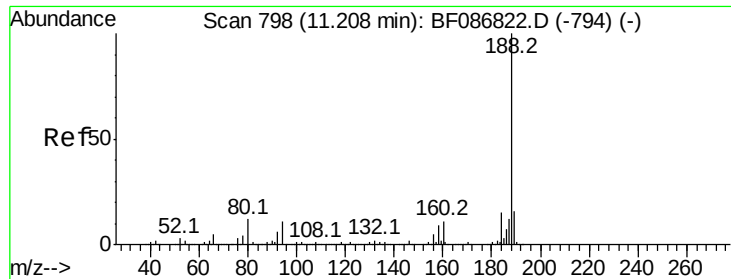
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

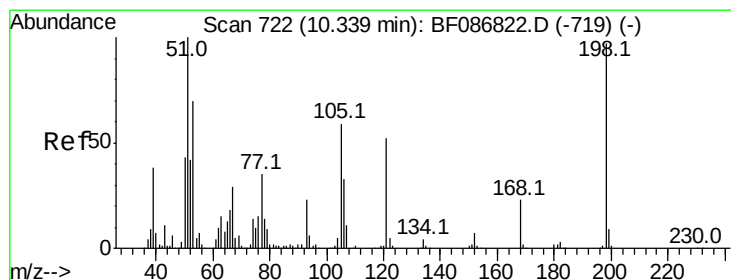
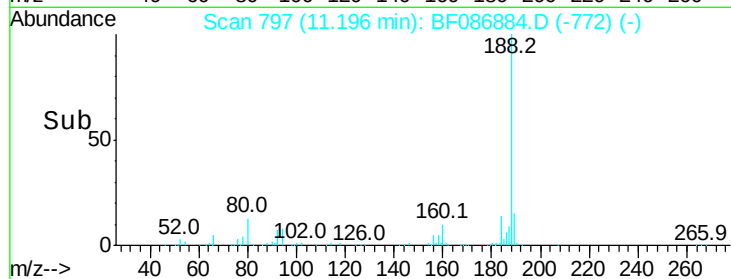
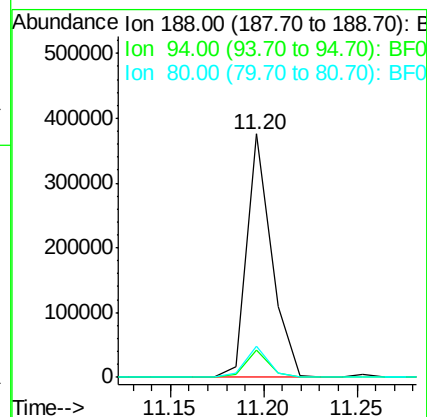
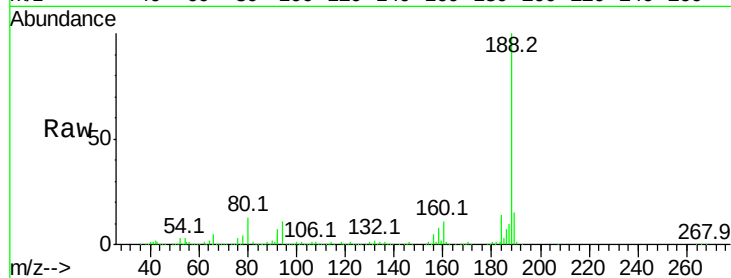




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

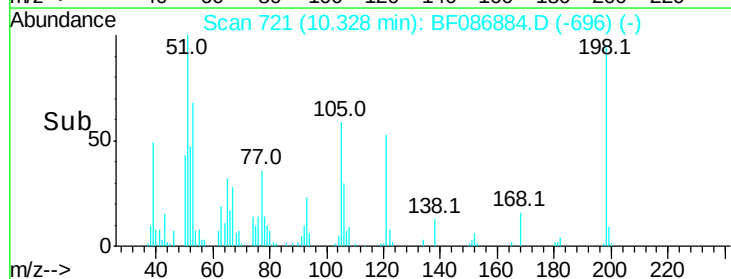
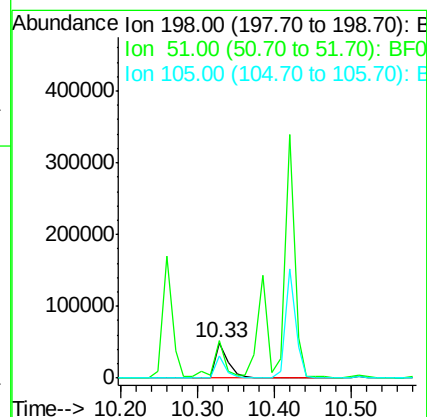
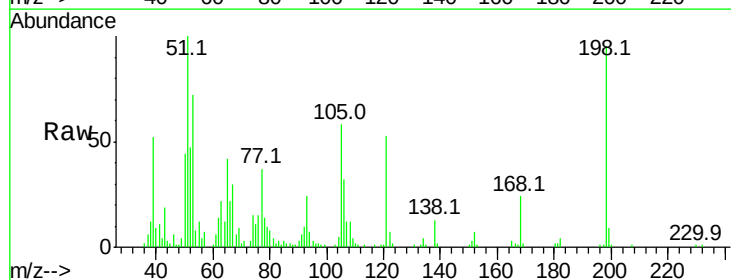
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

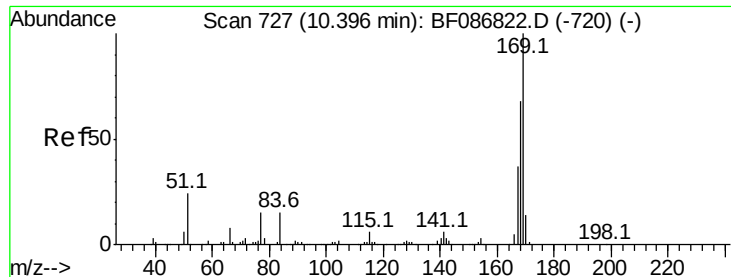
Tot Ion:188 Resp: 349091
Ion Ratio Lower Upper
188 100
94 11.4 6.8 10.2#
80 12.9 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 26.59 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion:198 Resp: 57653
Ion Ratio Lower Upper
198 100
51 105.4 20.5 60.5#
105 61.5 24.5 64.5





#65

n-Nitrosodiphenylamine

Concen: 45.66 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

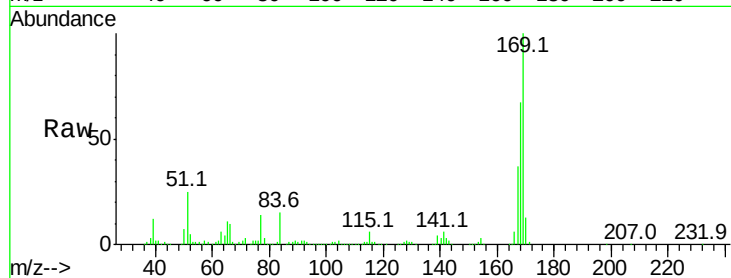
Tot Ion:169 Resp: 489668

Ion Ratio Lower Upper

169 100

168 67.1 53.8 80.6

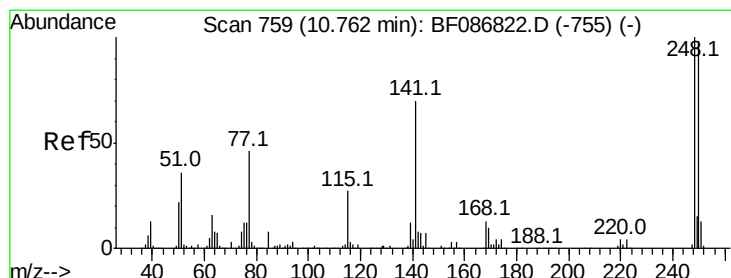
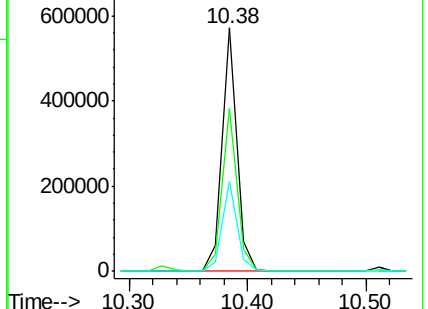
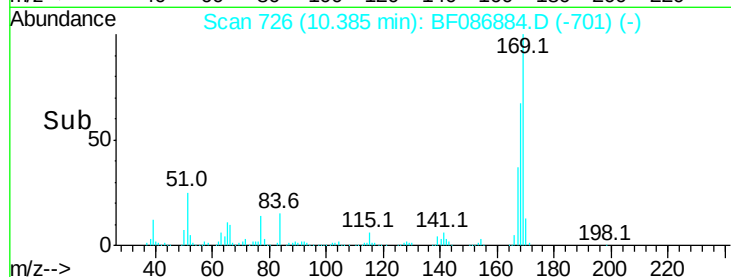
167 37.0 29.5 44.3



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: 48.39 ng

RT: 10.75 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

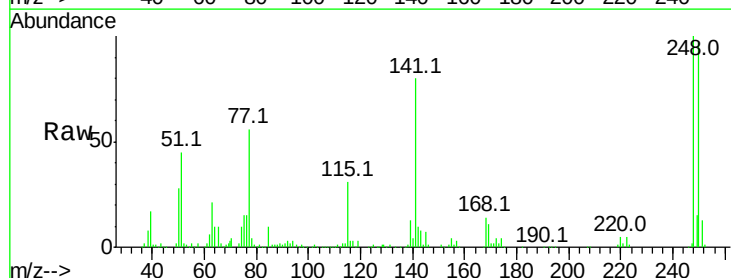
Tgt Ion:248 Resp: 171283

Ion Ratio Lower Upper

248 100

250 97.4 78.6 117.8

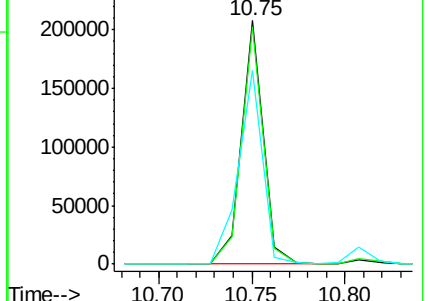
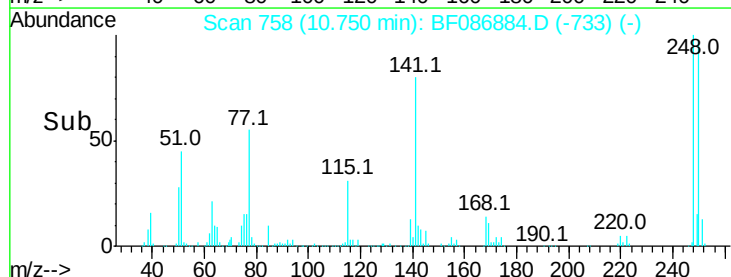
141 79.8 76.0 114.0

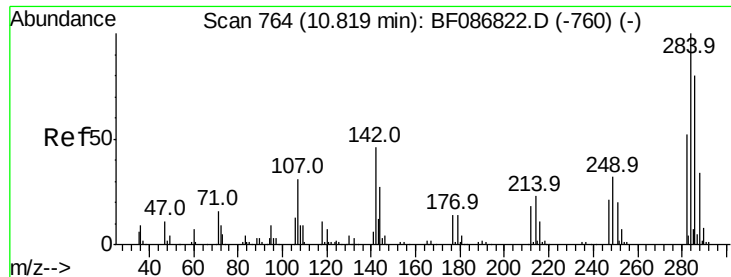


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 45.16 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

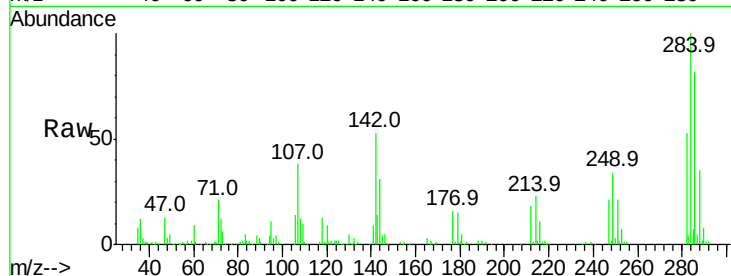
Tot Ion:284 Resp: 186783

Ion Ratio Lower Upper

284 100

142 52.6 16.7 25.1#

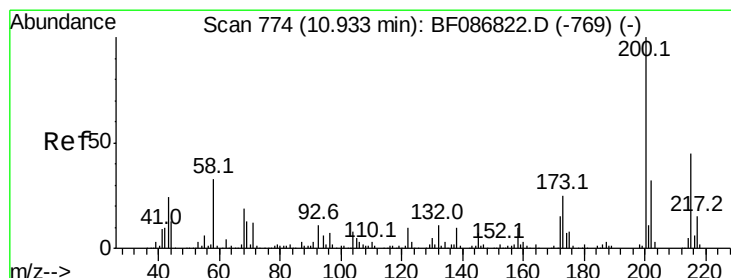
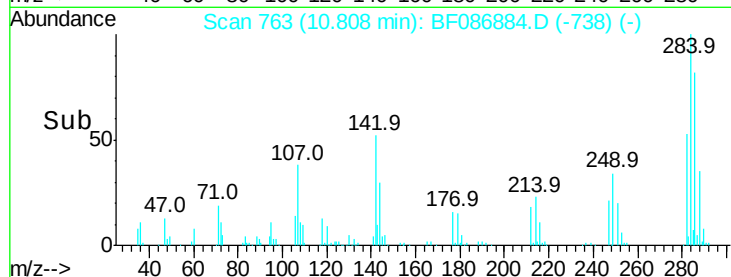
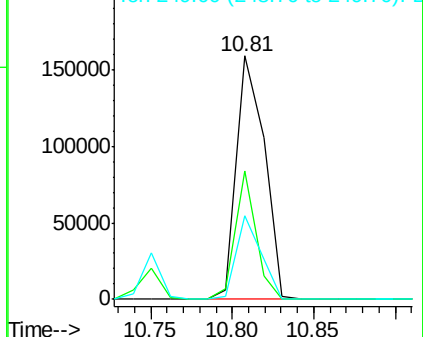
249 34.2 21.3 31.9#



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: 45.27 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

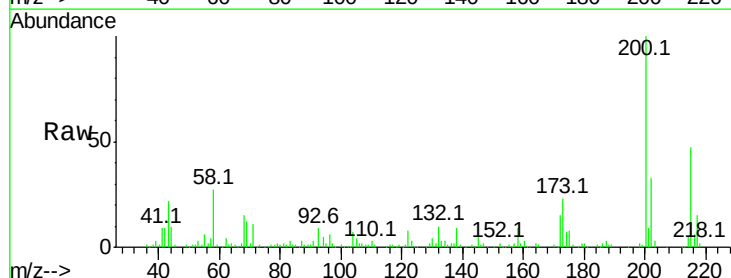
Tgt Ion:200 Resp: 162195

Ion Ratio Lower Upper

200 100

173 23.5 8.5 48.5

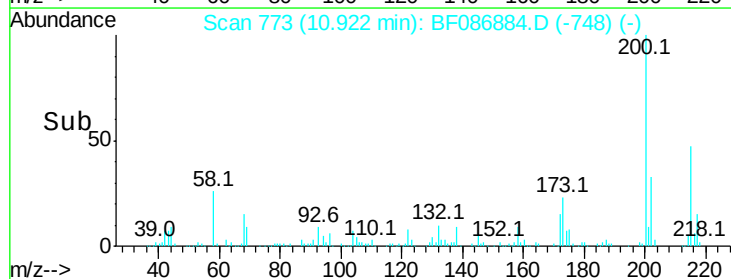
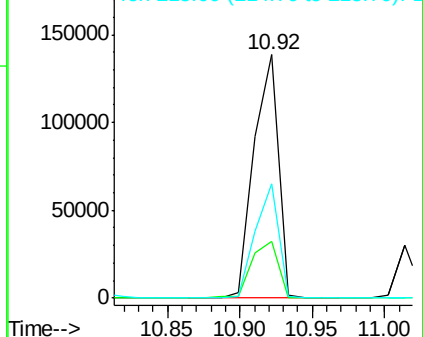
215 47.1 27.2 67.2

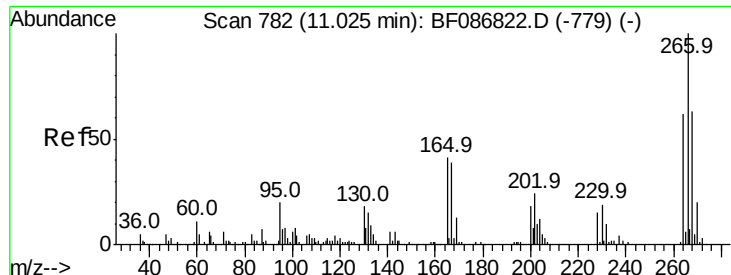


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

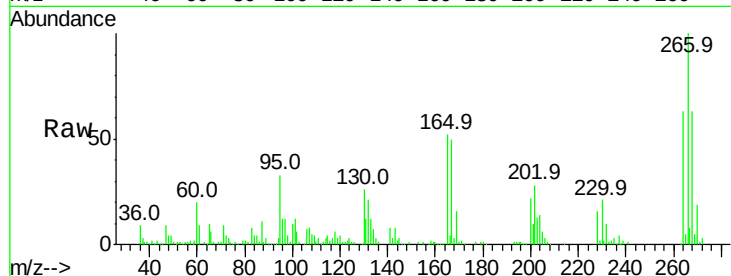




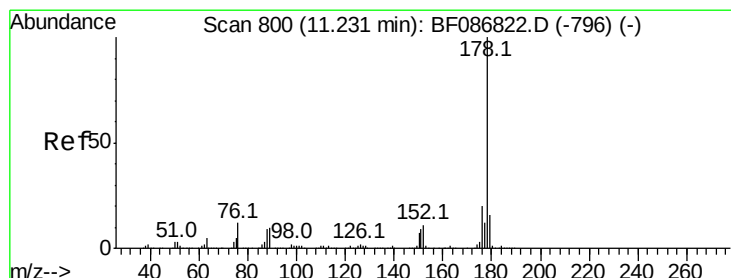
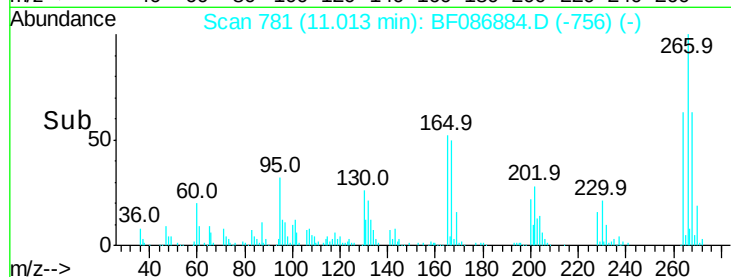
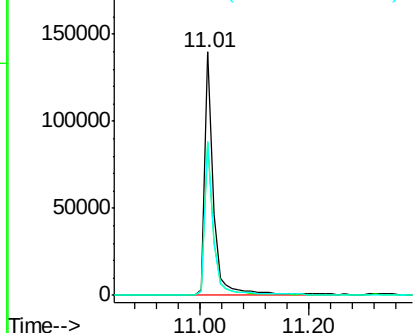
#69
 Pentachlorophenol
 Concen: 83.36 ng
 RT: 11.01 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

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

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.5	77.3
264	63.2	52.9	79.3

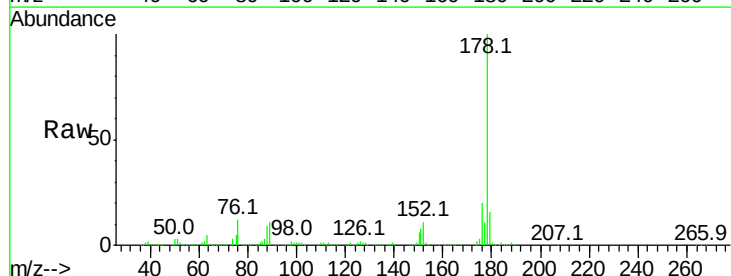


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

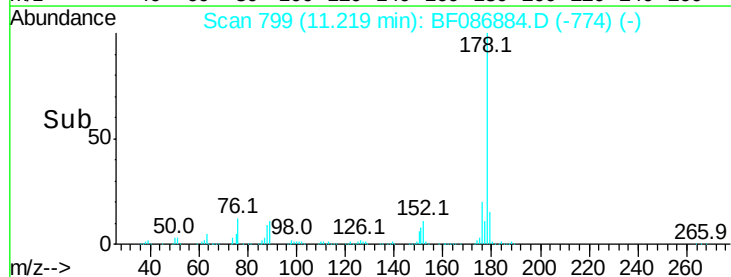
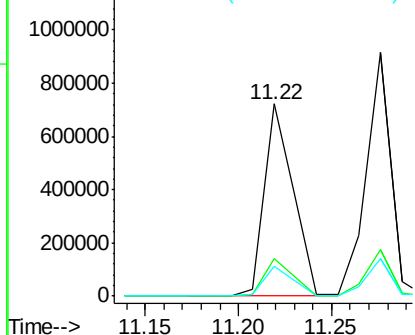


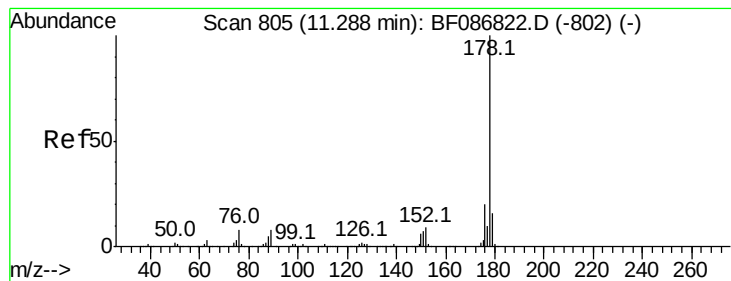
#70
 Phenanthrene
 Concen: 41.28 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.0	24.0
179	15.7	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: 43.97 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

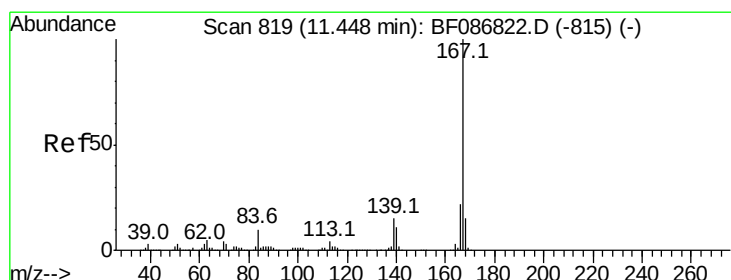
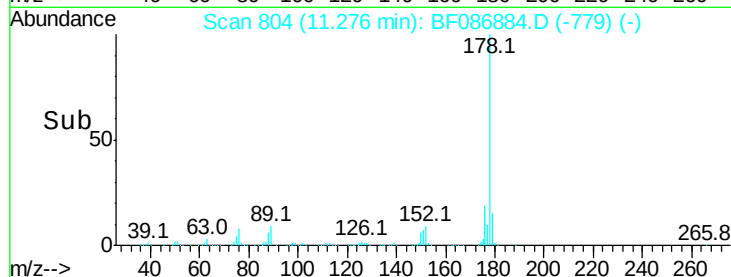
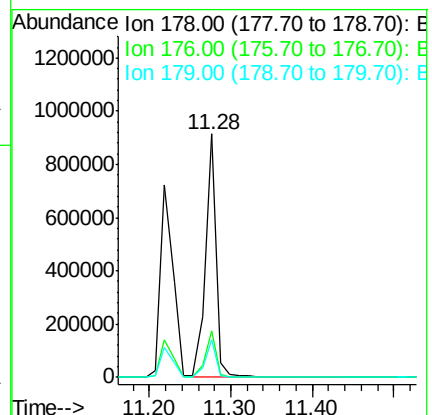
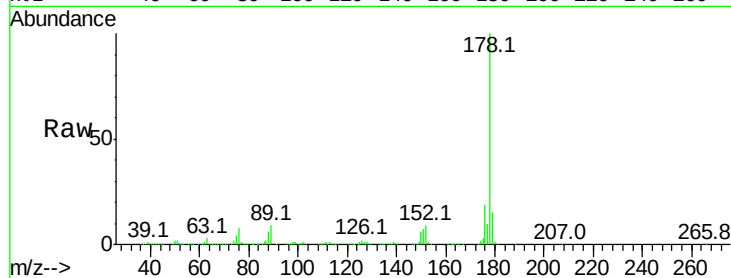
Tot Ion:178 Resp: 837811

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.4 12.7 19.1



#72

Carbazole

Concen: 41.01 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

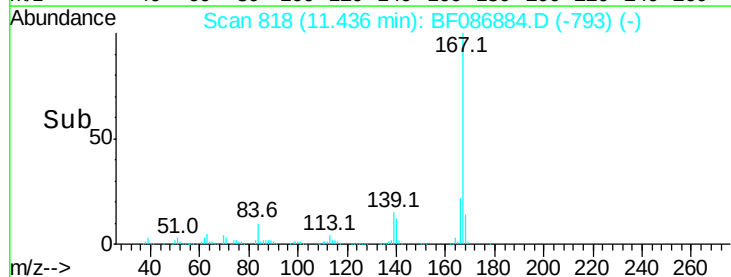
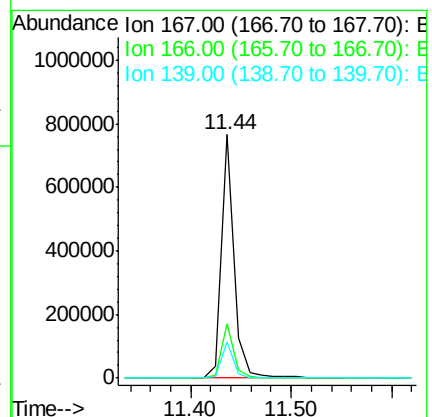
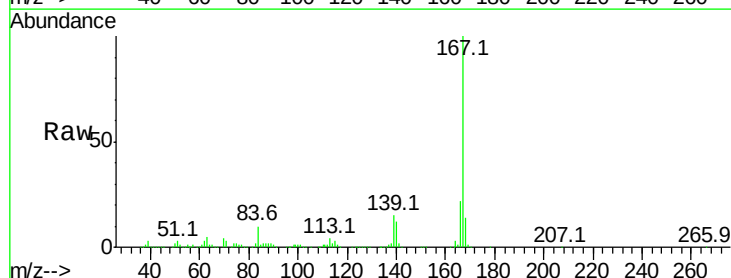
Tgt Ion:167 Resp: 671621

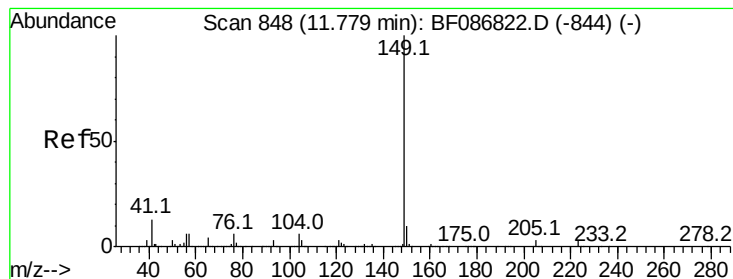
Ion Ratio Lower Upper

167 100

166 22.3 17.7 26.5

139 14.7 10.8 16.2





#73

Di-n-butylphthalate

Concen: 44.39 ng

RT: 11.77 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

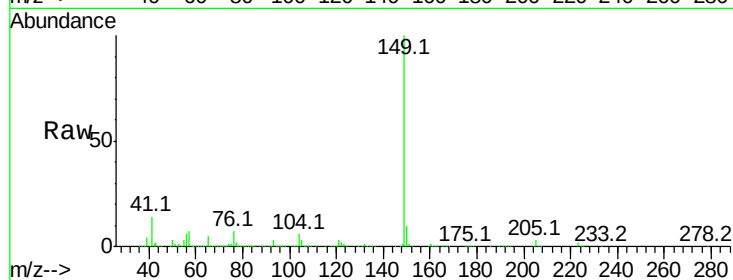
Tot Ion:149 Resp: 887786

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

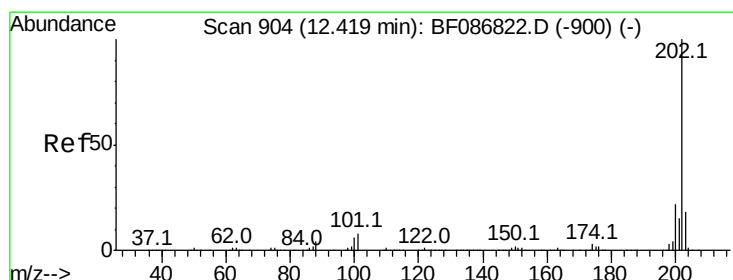
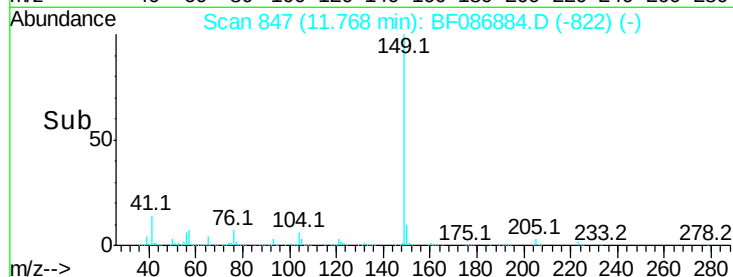
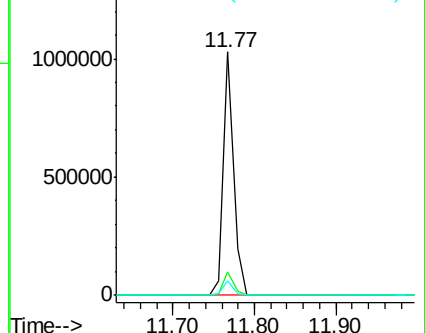
104 6.0 3.8 5.6#



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: 41.72 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

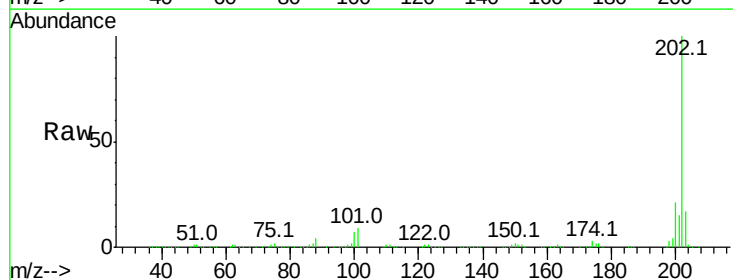
Tgt Ion:202 Resp: 799456

Ion Ratio Lower Upper

202 100

101 9.2 0.0 35.4

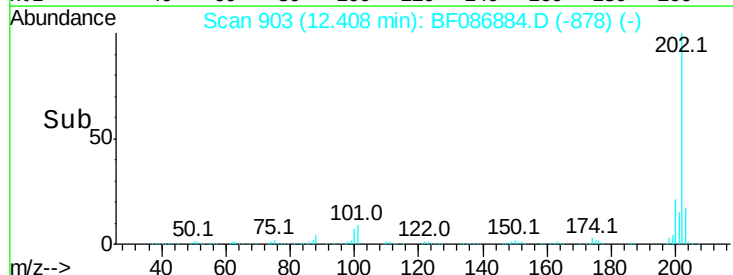
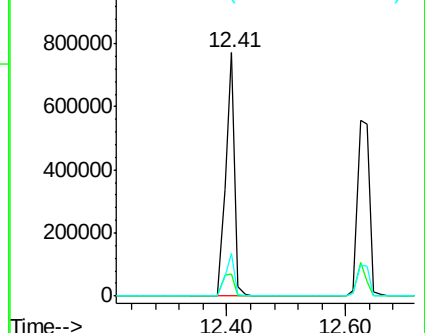
203 17.3 0.0 38.1

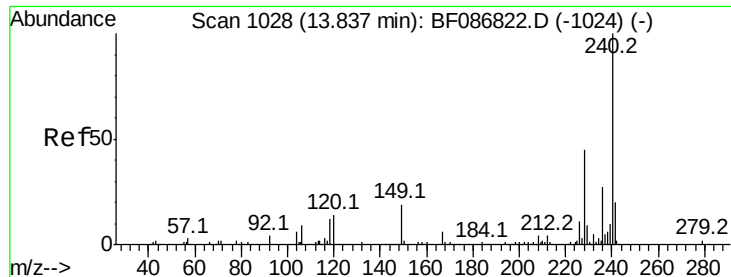


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

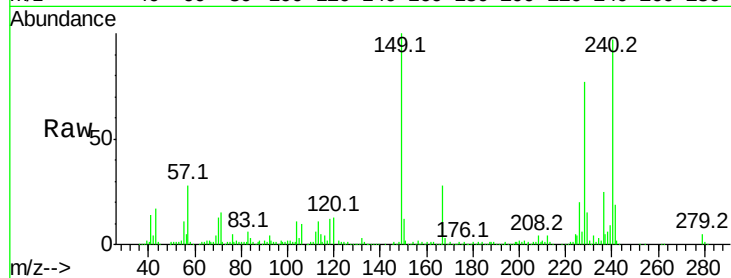
Tot Ion:240 Resp: 259717

Ion Ratio Lower Upper

240 100

120 13.6 11.2 16.8

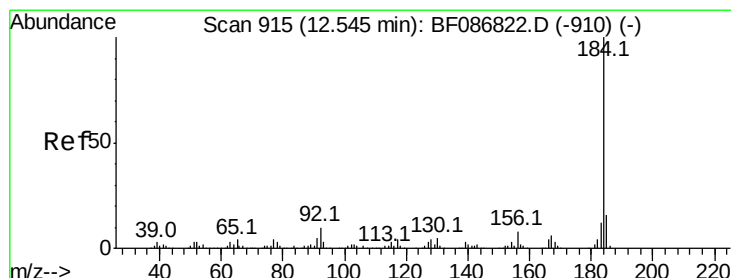
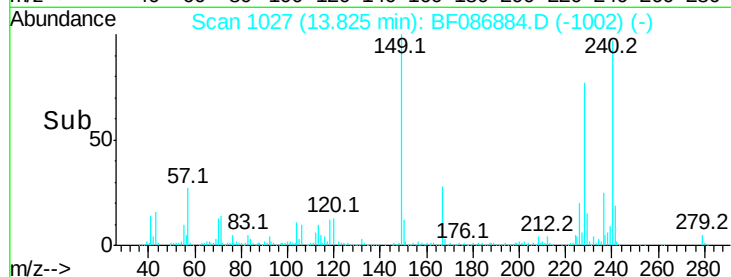
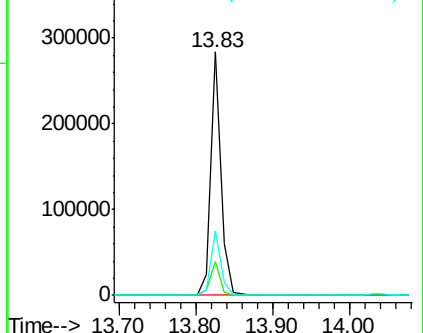
236 26.3 21.2 31.8



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: 25.94 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

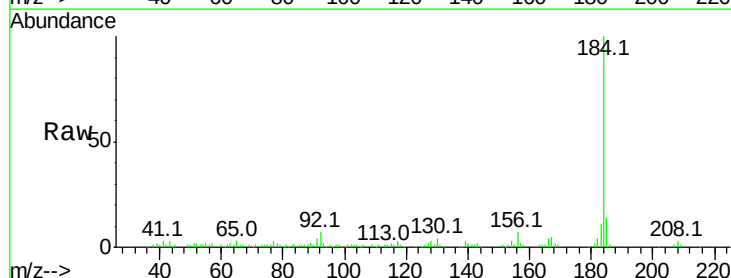
Tgt Ion:184 Resp: 171748

Ion Ratio Lower Upper

184 100

185 14.4 13.6 20.4

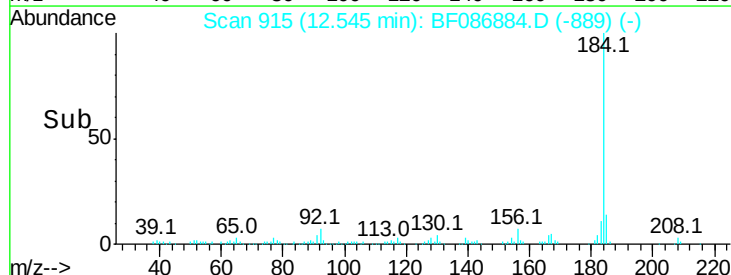
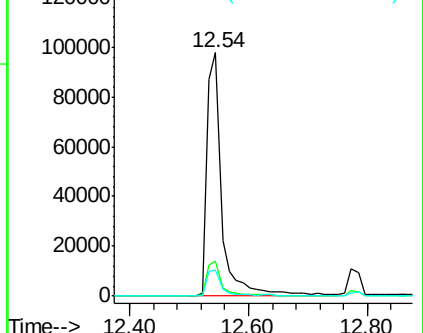
183 10.9 9.8 14.6

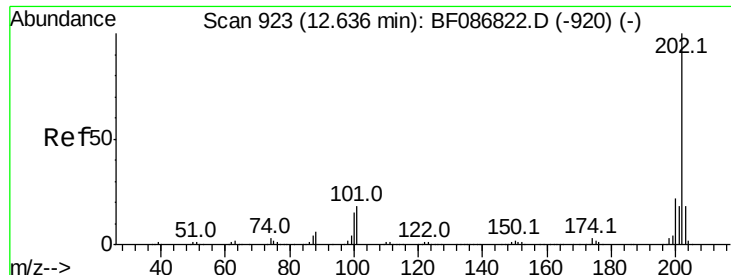


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

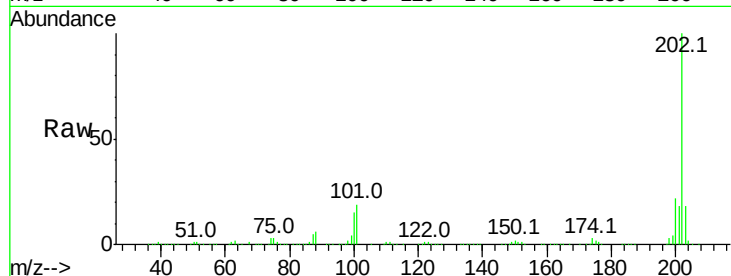




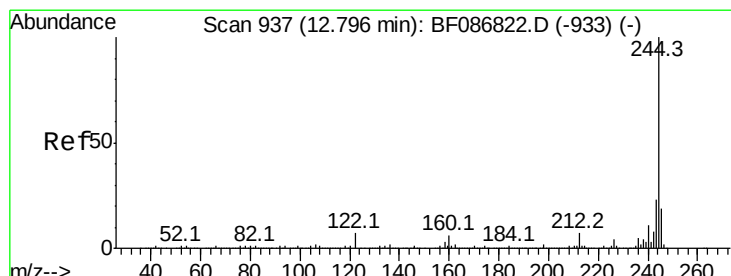
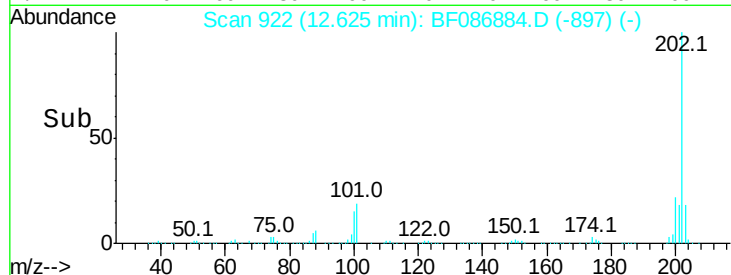
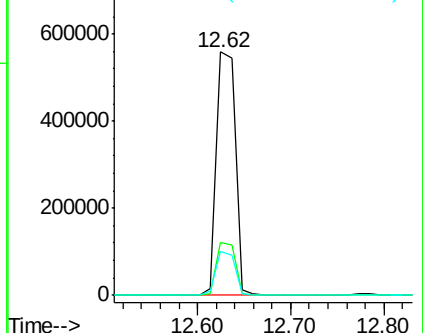
#77
Pvrene
Concen: 39.54 ng
RT: 12.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

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

Tot Ion:202 Resp: 786268
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 17.9 14.2 21.4

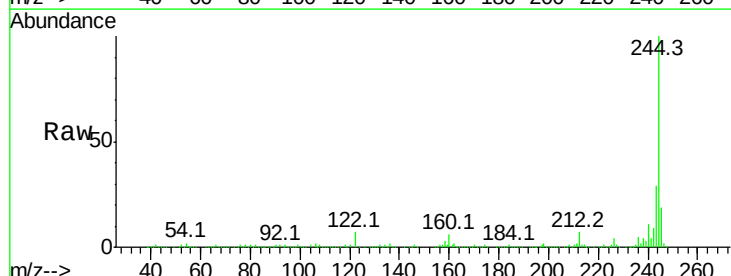


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

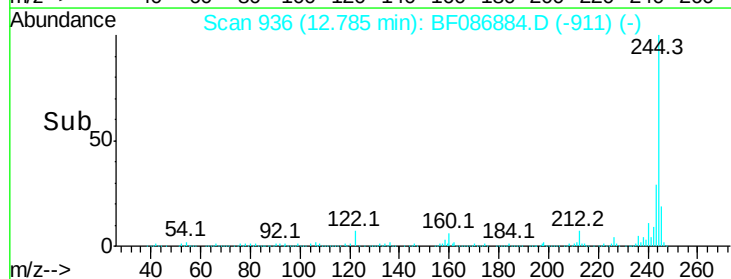
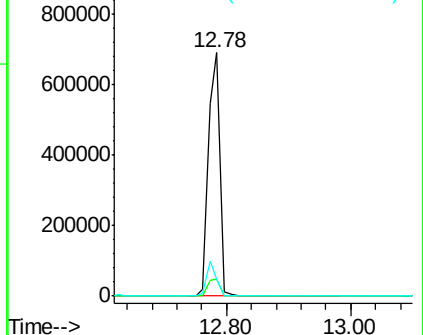


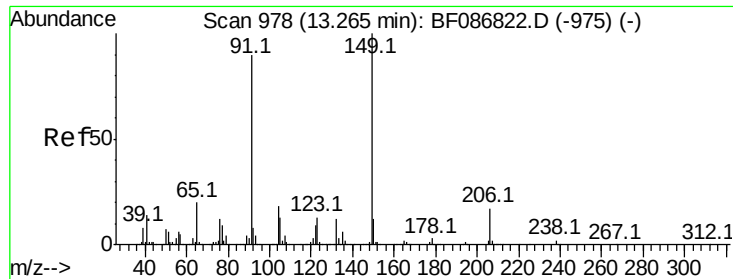
#78
Terphenyl-d14
Concen: 71.80 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion:244 Resp: 878949
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.2
122 7.1 12.0 18.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 41.53 ng

RT: 13.25 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

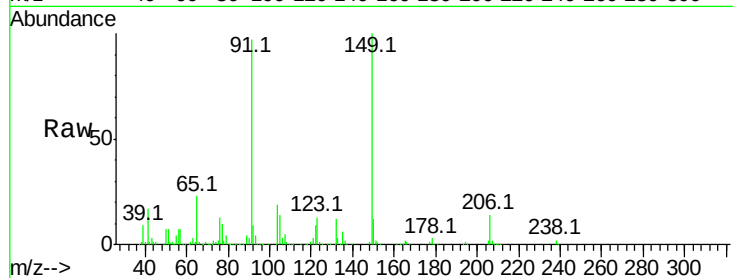
Tot Ion:149 Resp: 349304

Ion Ratio Lower Upper

149 100

91 97.2 48.0 72.0#

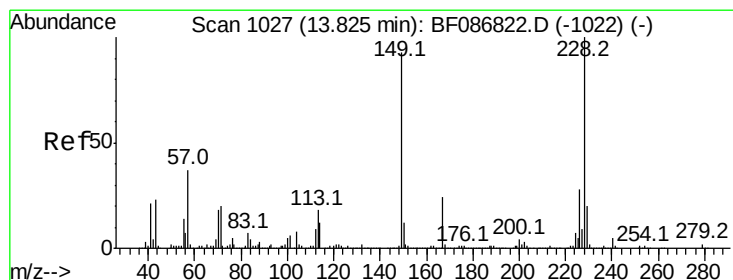
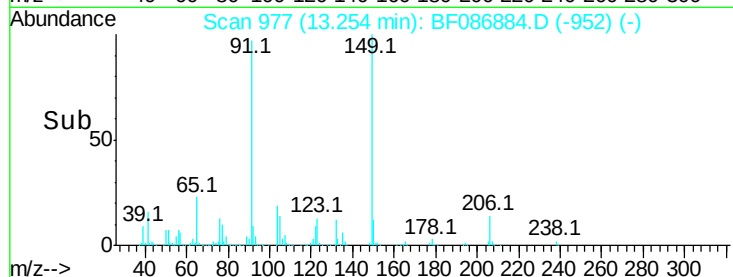
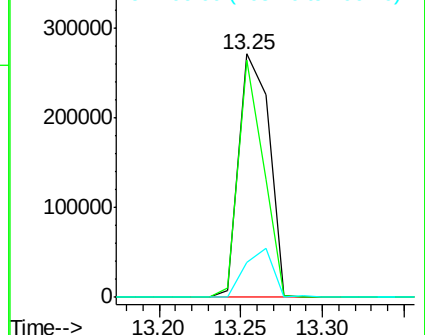
206 14.3 15.8 23.6#



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: 42.05 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

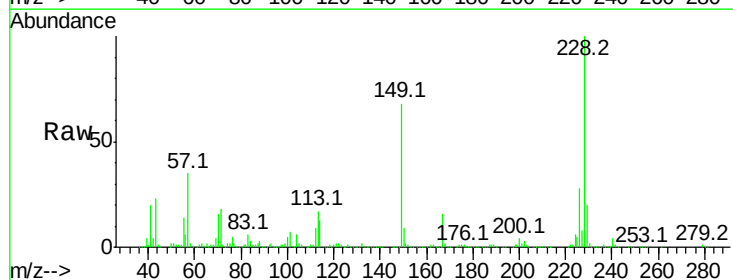
Tgt Ion:228 Resp: 613134

Ion Ratio Lower Upper

228 100

226 27.5 22.5 33.7

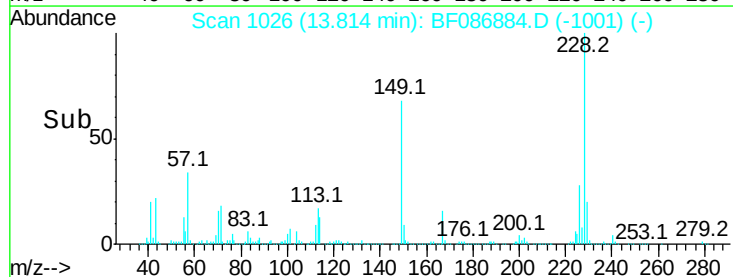
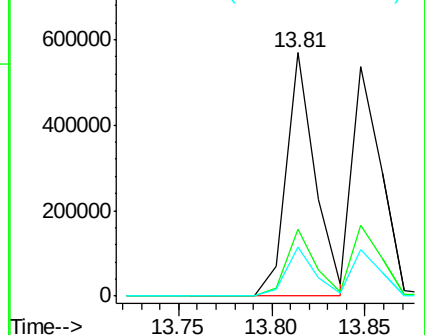
229 20.1 16.6 25.0

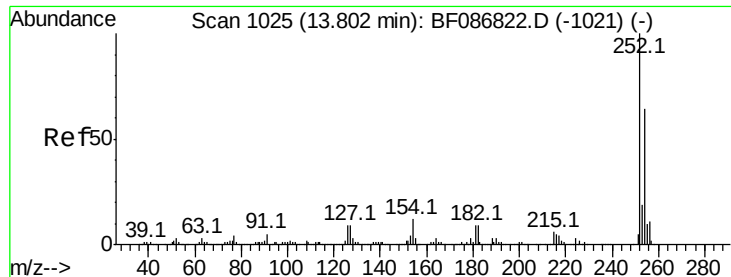


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

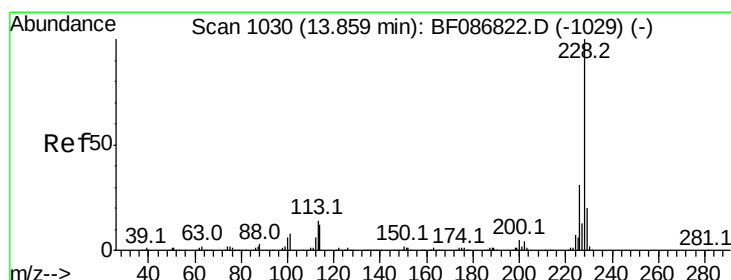
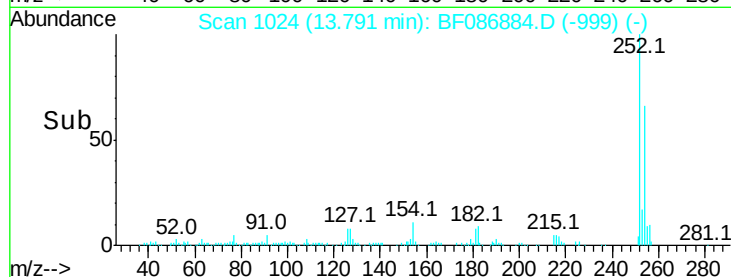
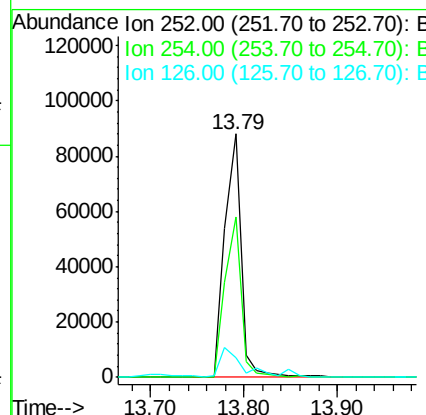
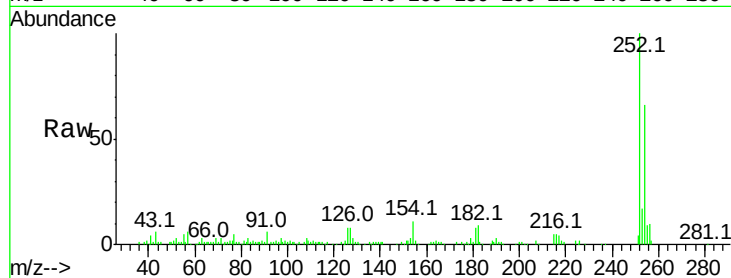




#81
 3,3'-Dichlorobenzidine
 Concen: 11.67 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

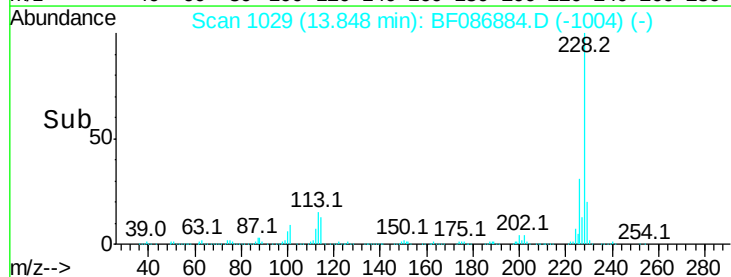
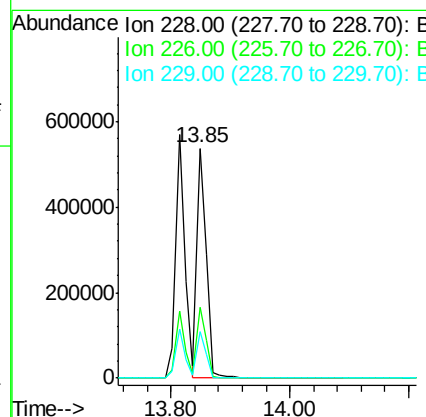
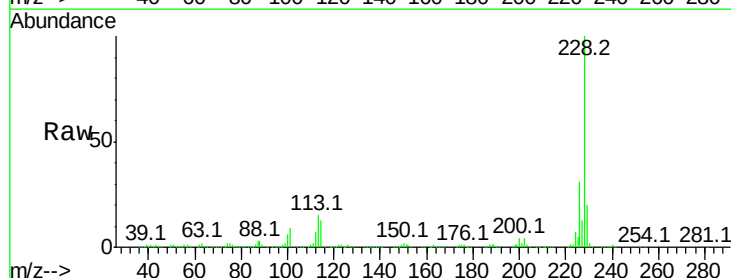
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

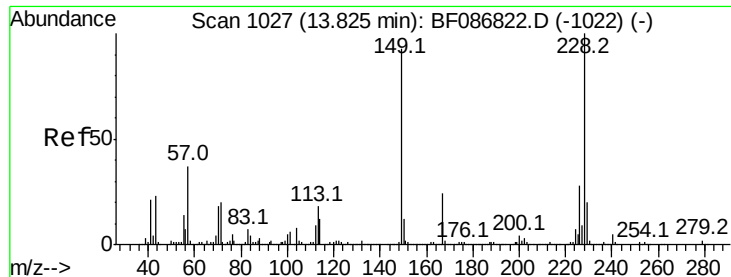
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.9	50.7	76.1
126	7.9	12.7	19.1



#82
 Chrysene
 Concen: 39.87 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	20.3	15.8	23.8

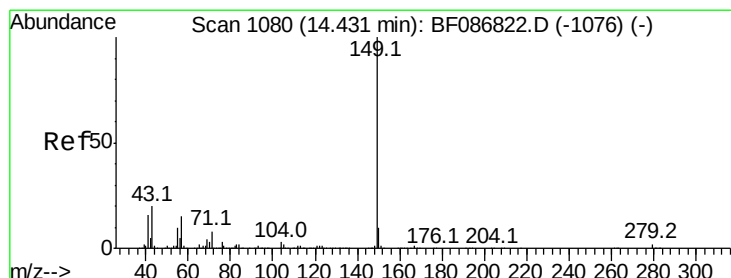
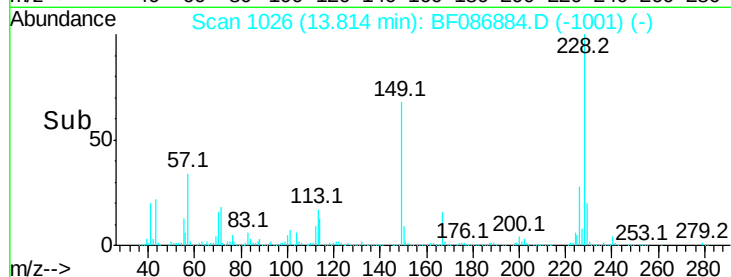
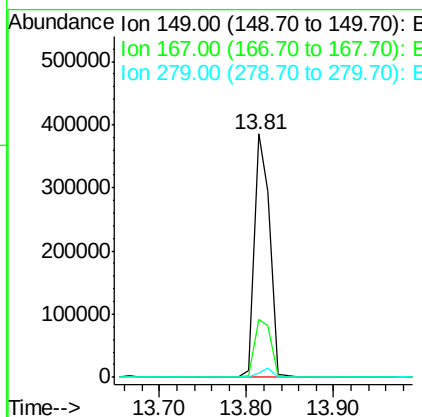
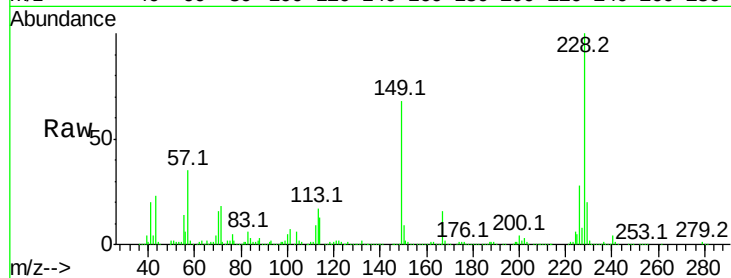




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.45 ng
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

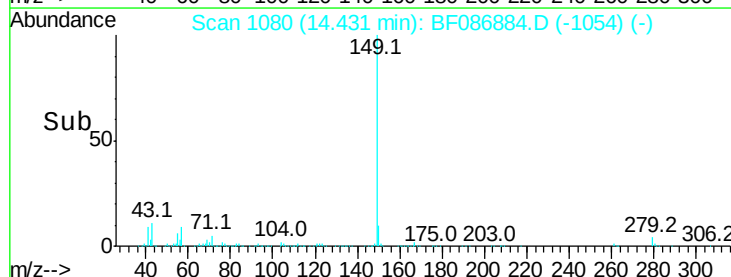
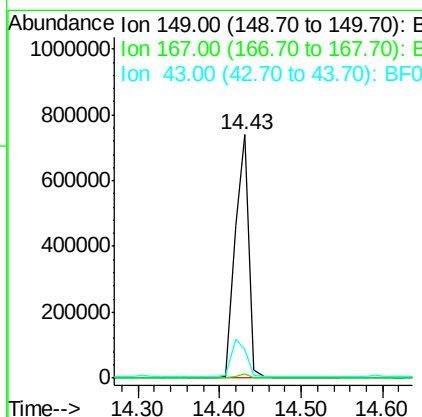
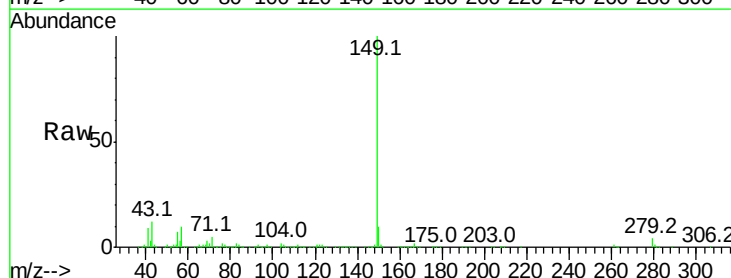
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

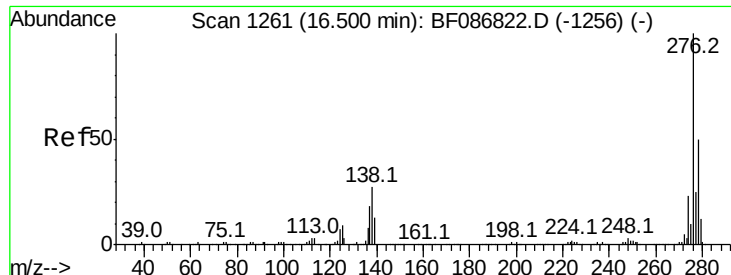
Tot Ion:149 Resp: 480009
 Ion Ratio Lower Upper
 149 100
 167 24.1 21.8 32.6
 279 1.9 2.6 4.0#



#84
 Di-n-octyl phthalate
 Concen: 50.85 ng
 RT: 14.43 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion:149 Resp: 852111
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.2 1.8
 43 16.7 8.2 12.4#

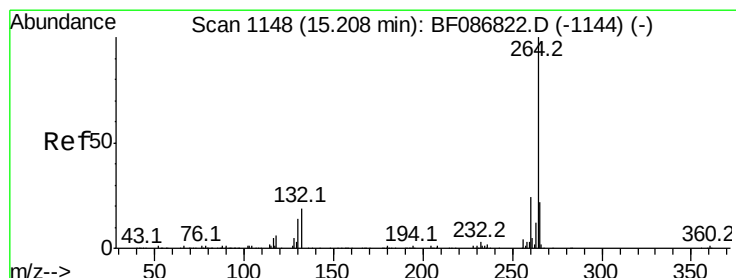
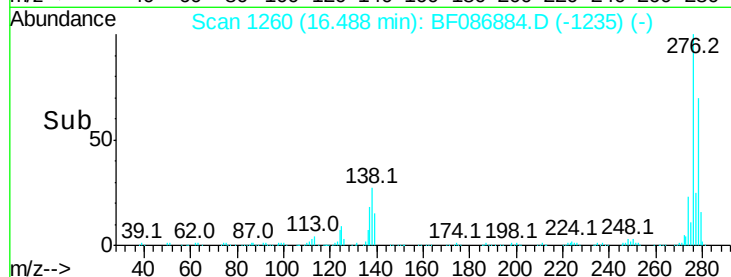
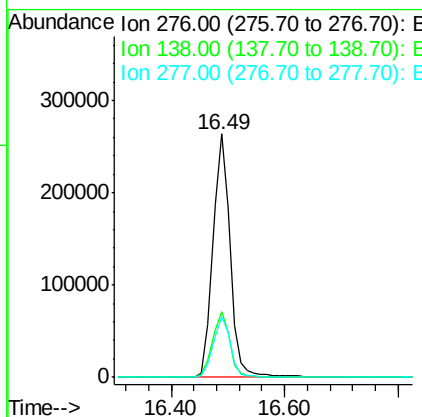
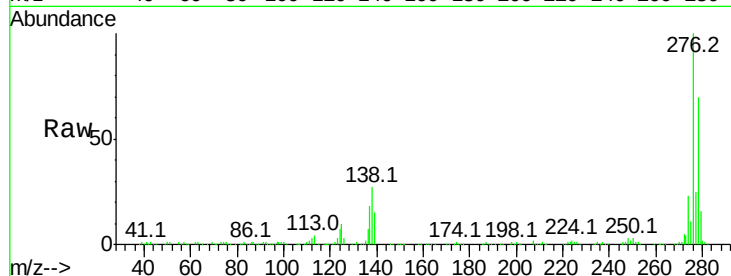




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.62 ng
 RT: 16.49 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

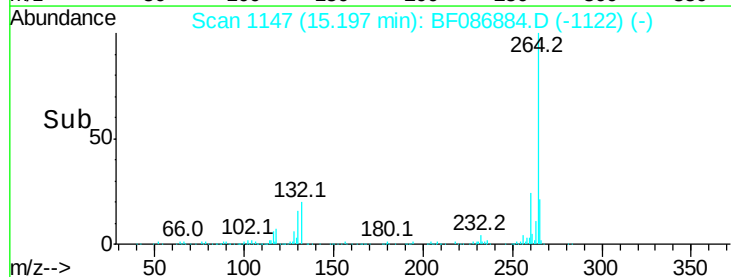
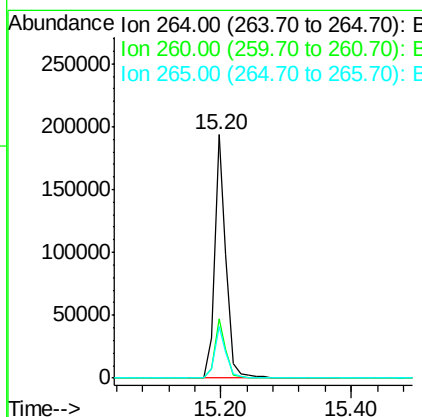
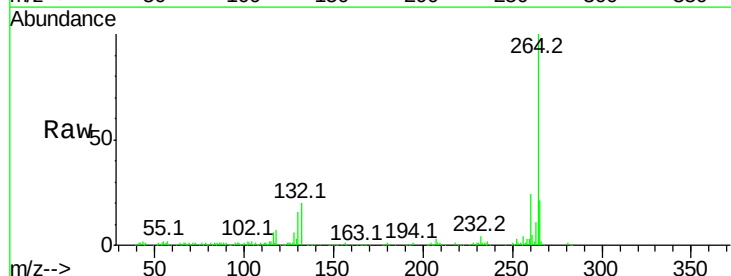
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

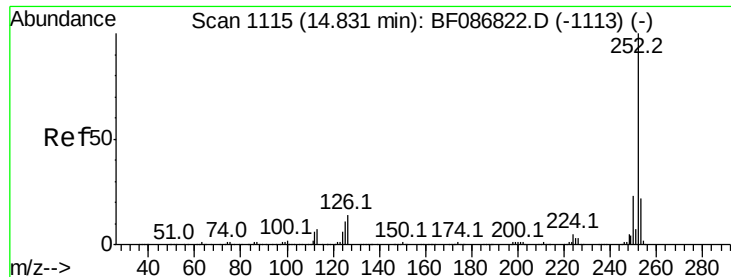
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.6	38.4
277	25.4	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 76.55 ng

RT: 14.82 min Scan# 1114

Delta R.T. -0.01 min

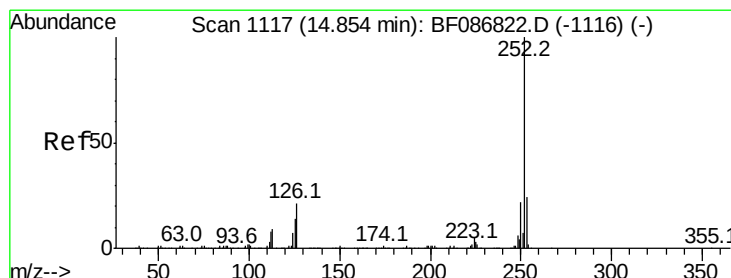
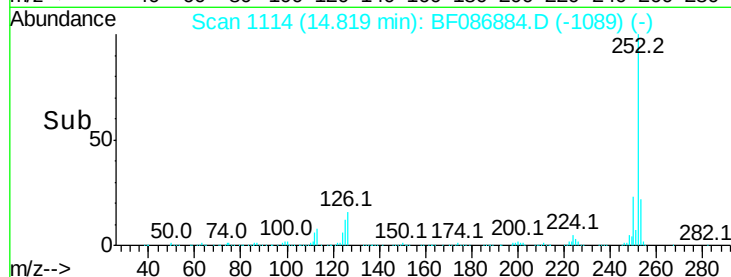
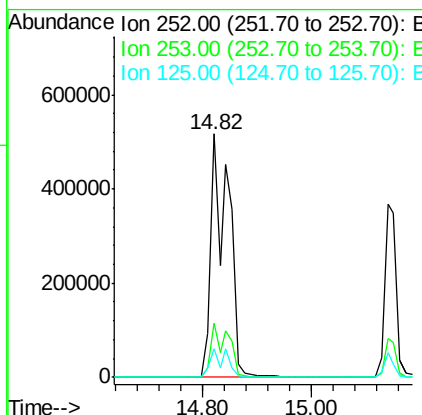
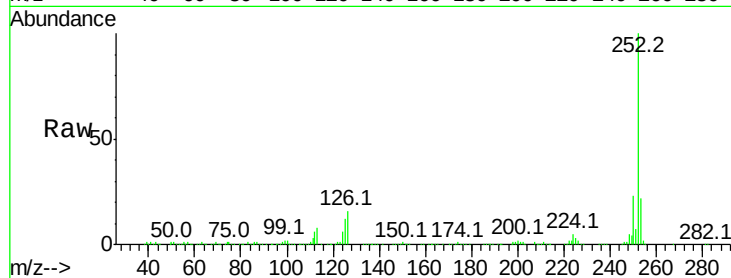
Lab File: BF086884.D

Acq: 11 May 2016 6:38

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

Tot Ion:252 Resp: 1183582

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	11.9	11.4	17.0



#88

Benzo(k)fluoranthene

Concen: 93.49 ng

RT: 14.82 min Scan# 1114

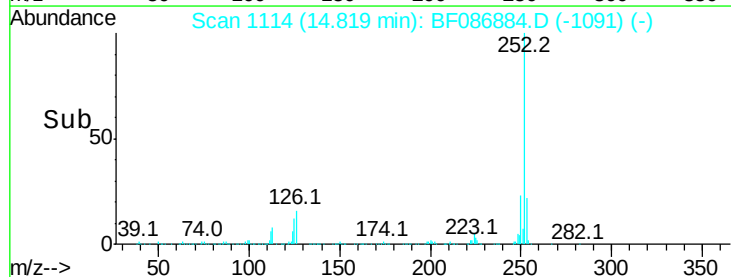
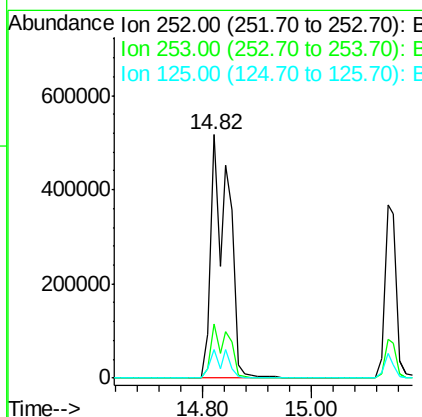
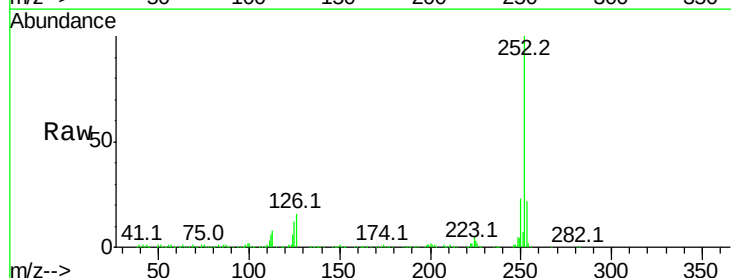
Delta R.T. -0.03 min

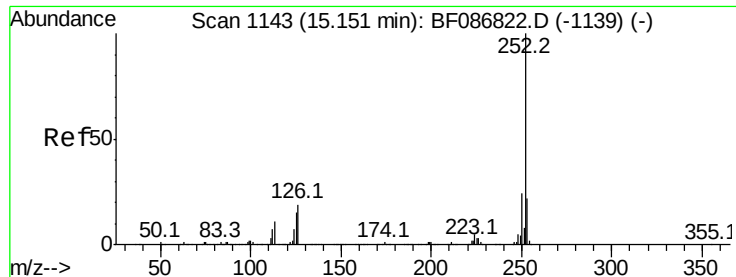
Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:252 Resp: 1183582

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	11.9	9.1	13.7

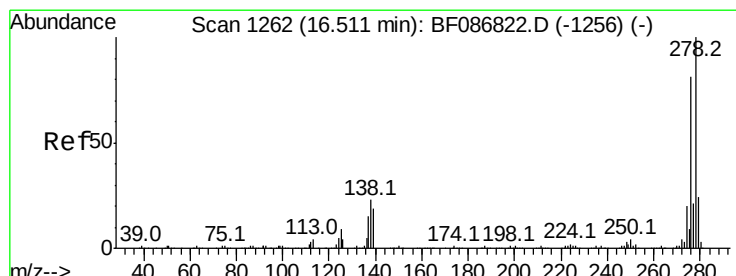
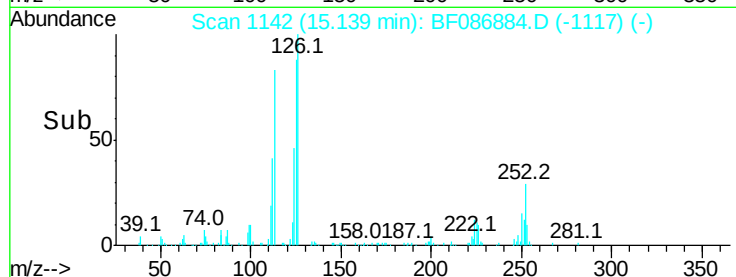
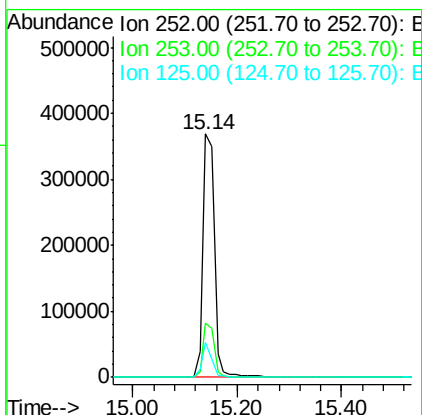
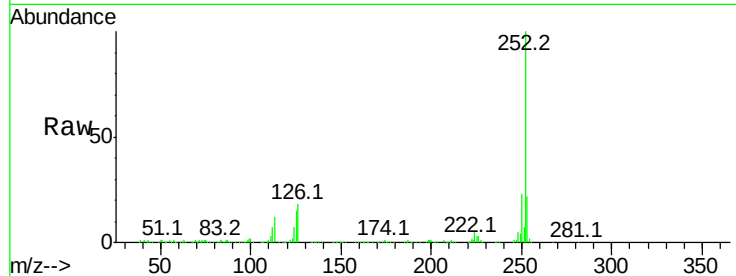




#89
Benzo(a)pyrene
Concen: 42.32 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

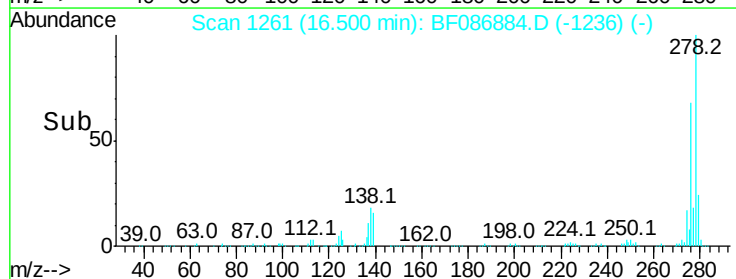
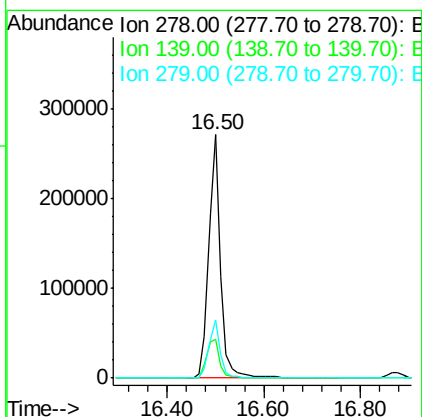
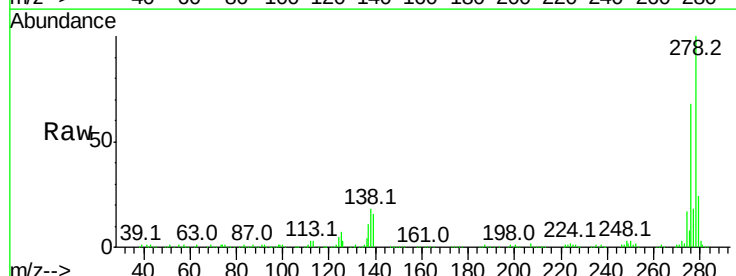
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

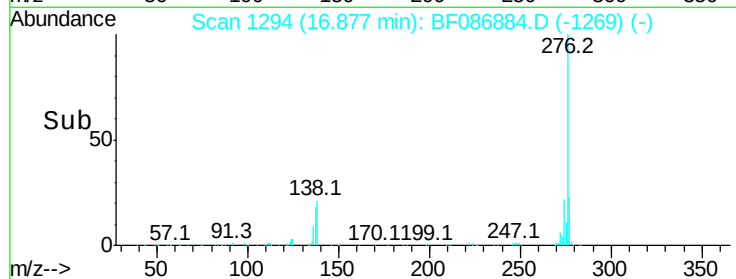
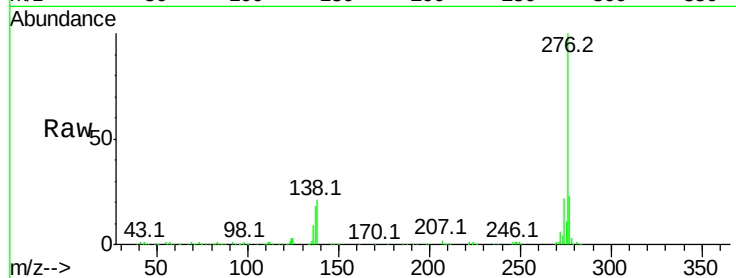
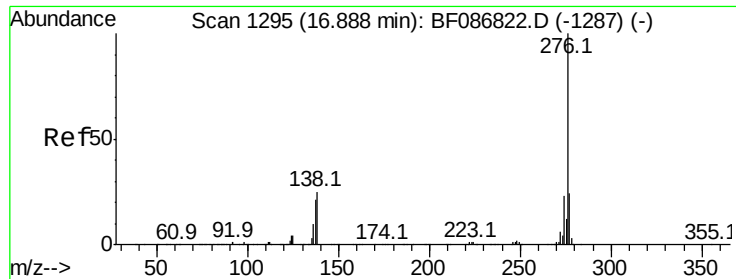
Tot Ion:252 Resp: 564371
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 14.6 9.0 13.6#



#90
Dibenzo(a,h)anthracene
Concen: 41.85 ng
RT: 16.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion:278 Resp: 470430
Ion Ratio Lower Upper
278 100
139 15.9 16.6 24.8#
279 23.8 19.6 29.4





#91

Benzo(a,h,i)perylene

Concen: 40.05 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:276 Resp: 457375

Ion Ratio Lower Upper

276 100

277 23.4 19.6 29.4

138 20.7 23.6 35.4#

