

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087129.D
 Acq On : 18 May 2016 4:15
 Operator : UM/SJ
 Sample : H3085-03MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: May 18 04:40:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	137268	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	562478	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	272158	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	486958	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	331916	20.00	ng	-0.02
86) Perylene-d12	15.09	264	275670	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1041255	127.50	ng	-0.01
7) Phenol-d6	6.26	99	1492022	136.22	ng	-0.02
23) Nitrobenzene-d5	7.18	82	1058276	93.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	357199	118.77	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1477075	89.88	ng	-0.02
78) Terphenyl-d14	12.70	244	1446849	98.61	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.09	88	141096	33.59	ng	# 61
3) Pyridine	2.72	79	379903	37.39	ng	# 65
4) n-Nitrosodimethylamine	2.68	42	303115	42.09	ng	# 48
6) Aniline	6.26	93	150769	10.84	ng	# 29
8) 2-Chlorophenol	6.39	128	392836	39.54	ng	97
9) Benzaldehyde	6.15	77	30425	3.86	ng	94
10) Phenol	6.27	94	402220	29.21	ng	# 49
11) bis(2-Chloroethyl)ether	6.34	93	411901	39.84	ng	89
12) 1,3-Dichlorobenzene	6.76	146	370712	35.10	ng	97
13) 1,4-Dichlorobenzene	6.76	146	374420	34.65	ng	96
14) 1,2-Dichlorobenzene	6.76	146	378138	39.97	ng	98
15) Benzyl Alcohol	6.75	79	351034	43.05	ng	# 84
16) 2,2'-oxybis(1-Chloropropan	6.89	45	828202	38.97	ng	66
17) 2-Methylphenol	6.89	107	316999	38.85	ng	# 78
18) Hexachloroethane	7.10	117	157135	38.03	ng	98
19) n-Nitroso-di-n-propylamine	7.03	70	338859	40.70	ng	# 70
20) 3+4-Methylphenols	7.05	107	457184	42.47	ng	# 59
22) Acetophenone	7.02	105	574047	41.70	ng	# 99
24) Nitrobenzene	7.19	77	461623	37.46	ng	97
25) Isophorone	7.43	82	811474	39.28	ng	98
26) 2-Nitrophenol	7.51	139	224972	44.07	ng	# 84
27) 2,4-Dimethylphenol	7.56	122	315354	36.20	ng	88
28) bis(2-Chloroethoxy)methane	7.64	93	470050	41.44	ng	# 98
29) 2,4-Dichlorophenol	7.76	162	337707	43.99	ng	97
30) 1,2,4-Trichlorobenzene	7.83	180	355781	41.77	ng	98
31) Naphthalene	7.91	128	1150119	41.85	ng	100
32) Benzoic acid	7.56	122	315354	60.73	ng	# 22
33) 4-Chloroaniline	7.98	127	71646	6.27	ng	# 93
34) Hexachlorobutadiene	8.02	225	200021	41.38	ng	99
35) Caprolactam	8.35	113	64833	25.36	ng	# 65
36) 4-Chloro-3-methylphenol	8.48	107	395976	42.76	ng	93
37) 2-Methylnaphthalene	8.59	142	733309	41.71	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	332666	41.85	ng	99
40) Hexachlorocyclopentadiene	8.74	237	213801	70.67	ng	96

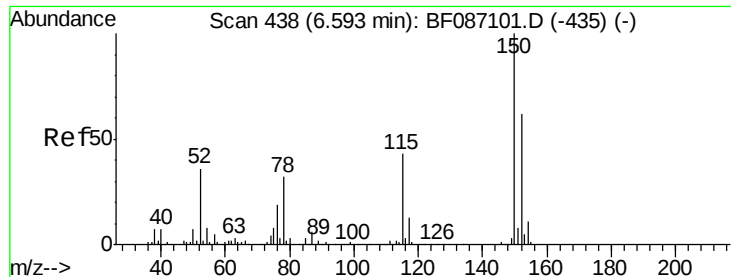
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	217921	42.27	ng	94
43) 2,4,5-Trichlorophenol	8.94	196	224550	41.93	ng #	87
45) 1,1'-Biphenyl	9.06	154	923533	40.92	ng	98
46) 2-Chloronaphthalene	9.08	162	717120	41.39	ng	95
47) 2-Nitroaniline	9.20	65	289778	43.65	ng	94
48) Acenaphthylene	9.50	152	1086453	41.07	ng	99
49) Dimethylphthalate	9.37	163	1049008	50.53	ng	99
50) 2,6-Dinitrotoluene	9.44	165	184254	40.87	ng #	85
51) Acenaphthene	9.67	154	701435	42.44	ng	98
52) 3-Nitroaniline	9.61	138	102008	20.90	ng	99
53) 2,4-Dinitrophenol	9.72	184	108198	44.15	ng	91
54) Dibenzofuran	9.84	168	942737	44.11	ng	96
55) 4-Nitrophenol	9.84	139	651229	127.34	ng #	21
56) 2,4-Dinitrotoluene	9.84	165	218347	37.82	ng #	39
57) Fluorene	10.18	166	761855	44.37	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.96	232	179301	42.99	ng	96
59) Diethylphthalate	10.07	149	768936	38.80	ng	99
60) 4-Chlorophenyl-phenylether	10.17	204	310711	38.17	ng	96
61) 4-Nitroaniline	10.23	138	181806	37.73	ng #	74
62) Azobenzene	10.33	77	901043	39.45	ng	84
64) 4,6-Dinitro-2-methylphenol	10.25	198	123284	38.44	ng #	38
65) n-Nitrosodiphenylamine	10.30	169	611861	39.93	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	218880	43.71	ng #	89
67) Hexachlorobenzene	10.72	284	227137	39.12	ng #	65
68) Atrazine	10.83	200	198734	39.75	ng	94
69) Pentachlorophenol	10.92	266	195598	89.68	ng	98
70) Phenanthrene	11.13	178	1032591	39.10	ng	99
71) Anthracene	11.19	178	1161969	43.50	ng	99
72) Carbazole	11.35	167	942170	38.61	ng	98
73) Di-n-butylphthalate	11.68	149	1148867	40.99	ng #	98
74) Fluoranthene	12.32	202	1110932	41.98	ng	89
76) Benzidine	12.45	184	128667	11.64	ng	98
77) Pyrene	12.54	202	1009776	42.11	ng	99
79) Butylbenzylphthalate	13.17	149	463381	45.78	ng #	63
80) Benzo(a)anthracene	13.73	228	820177	42.74	ng	99
81) 3,3'-Dichlorobenzidine	13.69	252	114896	9.41	ng	97
82) Chrysene	13.76	228	705632	38.00	ng	99
83) Bis(2-ethylhexyl)phthalate	13.73	149	597241	48.48	ng #	94
84) Di-n-octyl phthalate	14.34	149	1048332	49.40	ng #	85
85) Indeno(1,2,3-cd)pyrene	16.33	276	702137	43.08	ng	95
87) Benzo(b)fluoranthene	14.75	252	1412885	77.26	ng #	94
88) Benzo(k)fluoranthene	14.75	252	1412885	103.77	ng #	97
89) Benzo(a)pyrene	15.04	252	650501	42.55	ng	98
90) Dibenzo(a,h)anthracene	16.34	278	586543	45.57	ng #	93
91) Benzo(g,h,i)perylene	16.70	276	593759	45.68	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087129.D

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VITALE-FILL-CSPH3-12KMSD

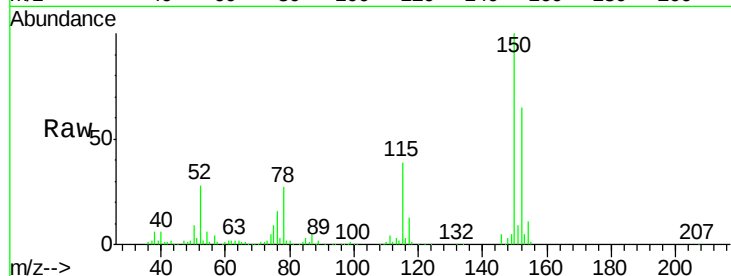
Tgt Ion:152 Resp: 137268

Ion Ratio Lower Upper

152 100

150 152.8 125.8 188.6

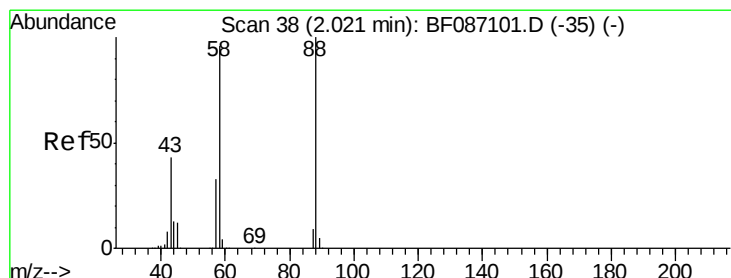
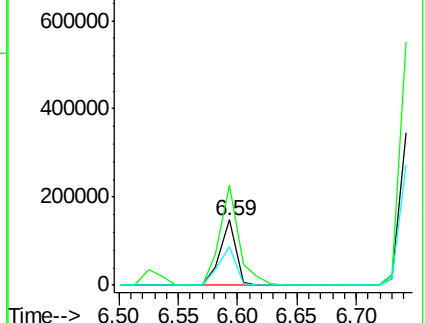
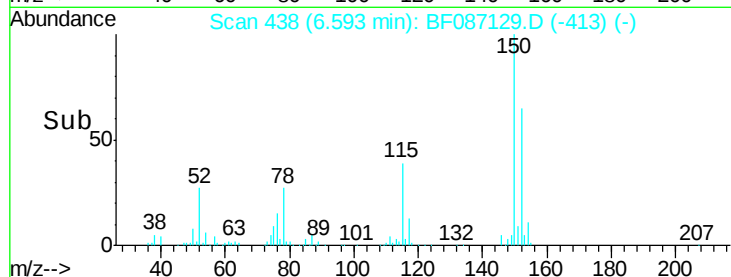
115 59.9 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 33.59 ng

RT: 2.09 min Scan# 44

Delta R.T. 0.03 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

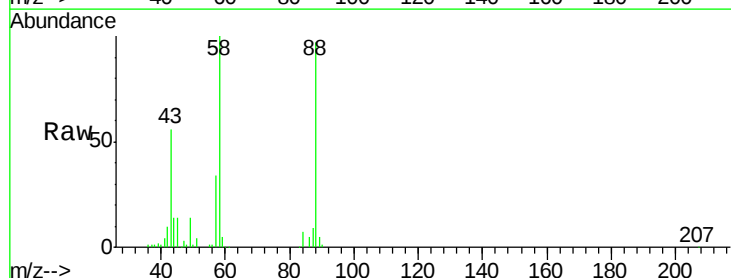
Tgt Ion: 88 Resp: 141096

Ion Ratio Lower Upper

88 100

58 99.9 59.6 89.4#

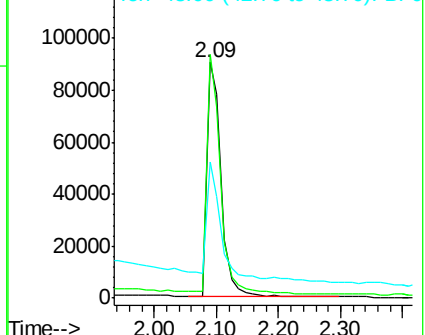
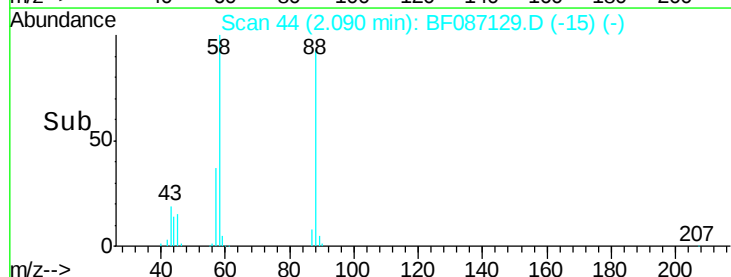
43 59.9 21.8 32.6#

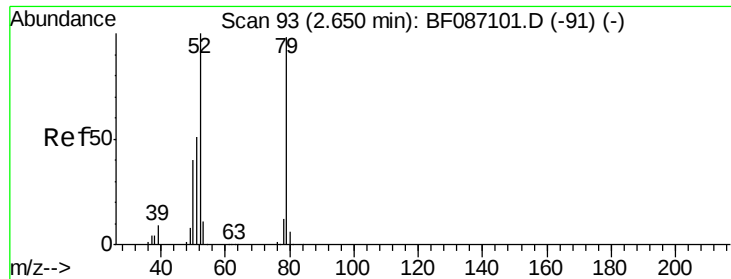


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 37.39 ng

RT: 2.72 min Scan# 99

Delta R.T. 0.03 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

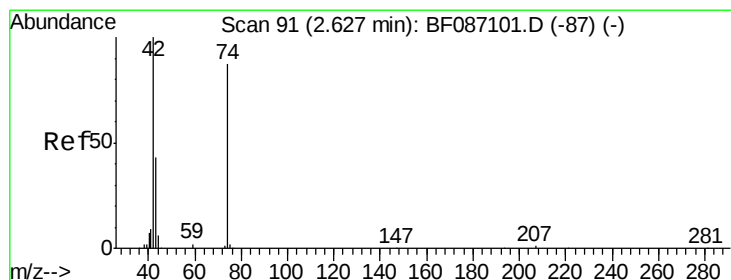
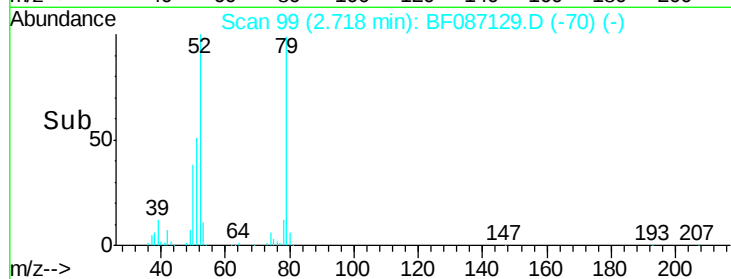
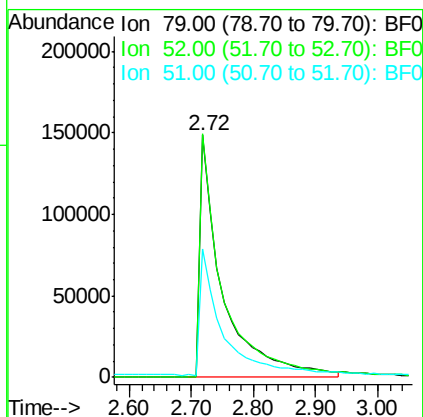
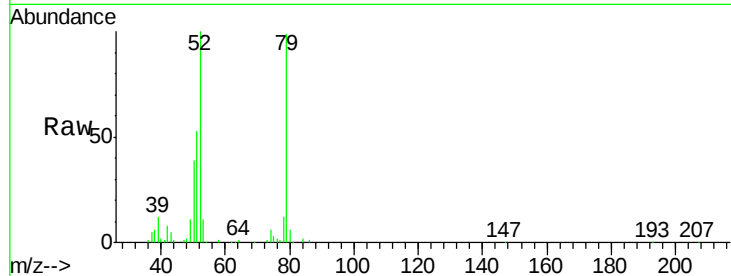
Tgt Ion: 79 Resp: 379903

Ion Ratio Lower Upper

79 100

52 100.6 55.9 83.9#

51 53.0 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 42.09 ng

RT: 2.68 min Scan# 96

Delta R.T. 0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

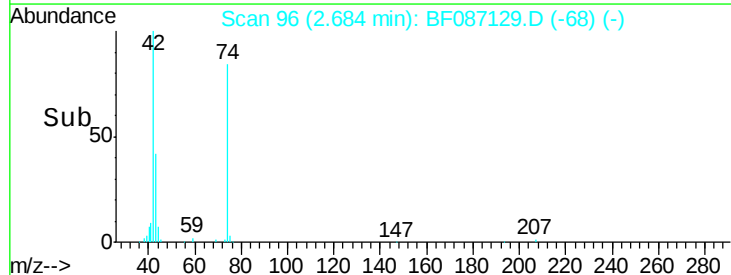
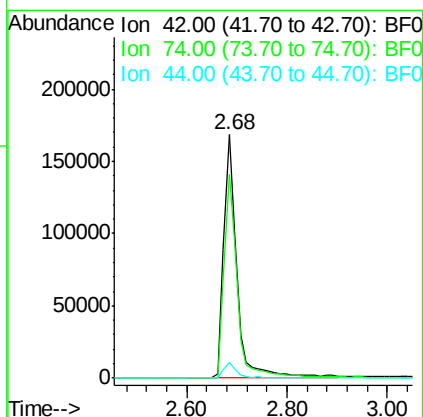
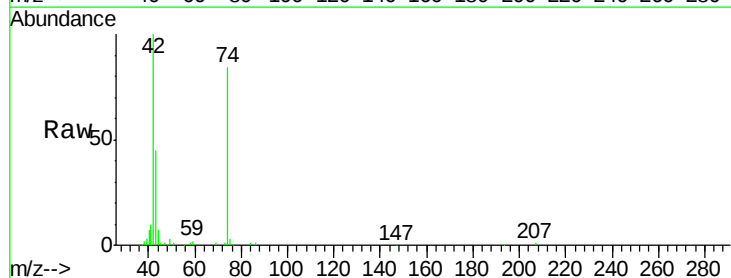
Tgt Ion: 42 Resp: 303115

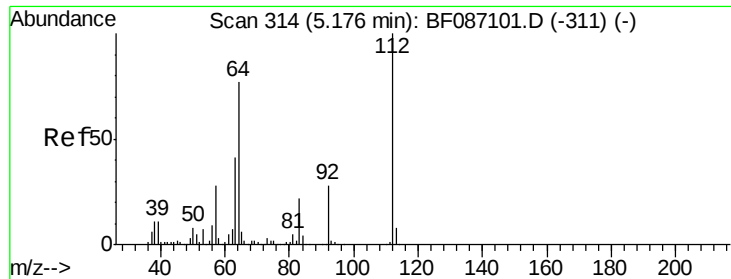
Ion Ratio Lower Upper

42 100

74 83.8 123.4 185.0#

44 6.7 5.8 8.6





#5

2-Fluorophenol

Concen: 127.50 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

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VITALE-FILL-CSPH3-12KMSD

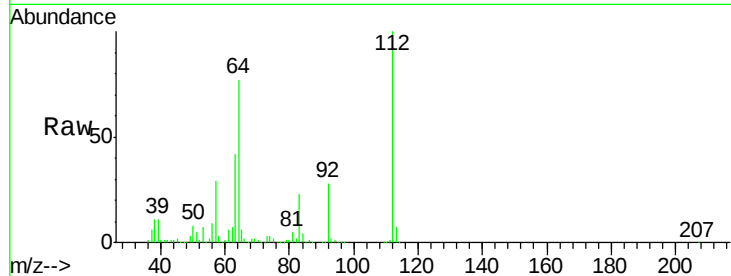
Tgt Ion:112 Resp: 1041255

Ion Ratio Lower Upper

112 100

64 77.3 52.1 78.1

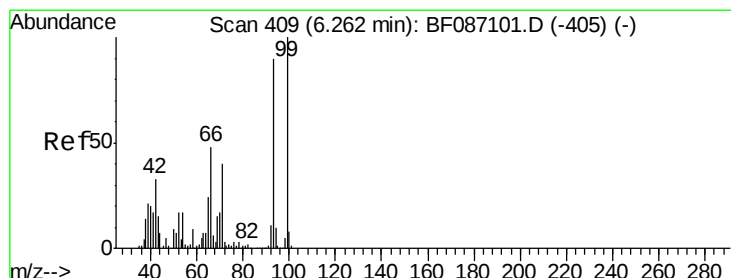
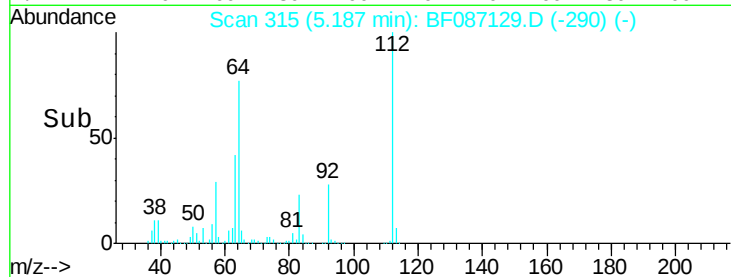
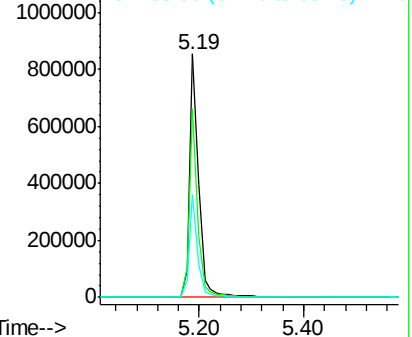
63 42.4 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 10.84 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

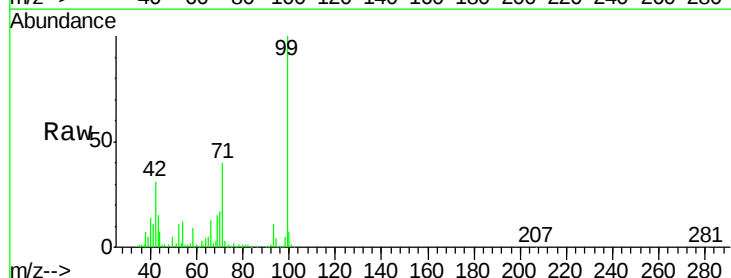
Tgt Ion: 93 Resp: 150769

Ion Ratio Lower Upper

93 100

66 111.4 39.0 58.6#

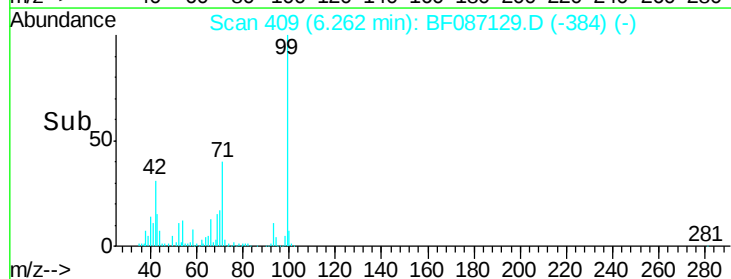
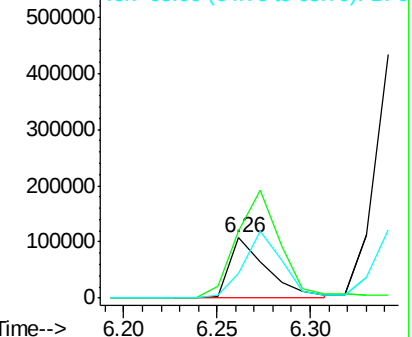
65 41.8 20.6 31.0#

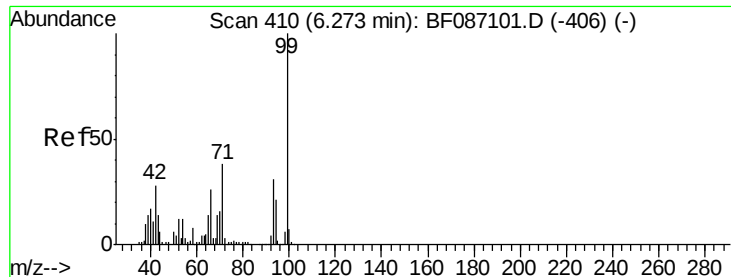


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 136.22 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087129.D

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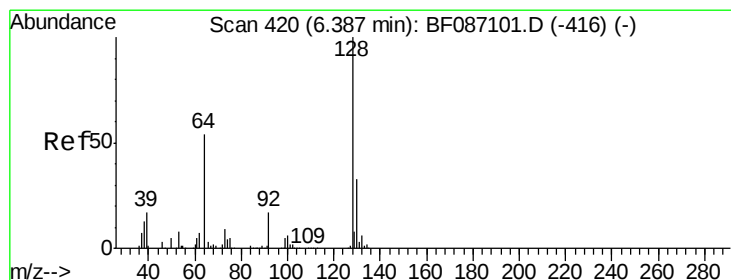
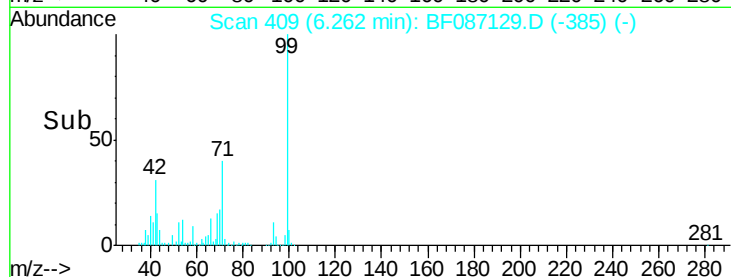
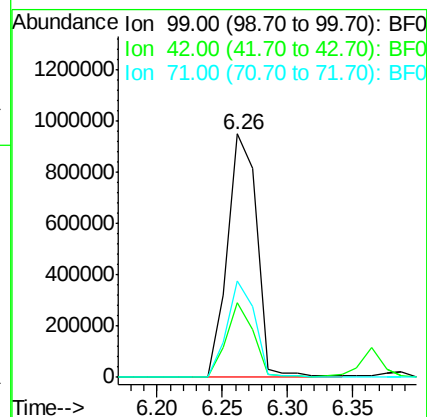
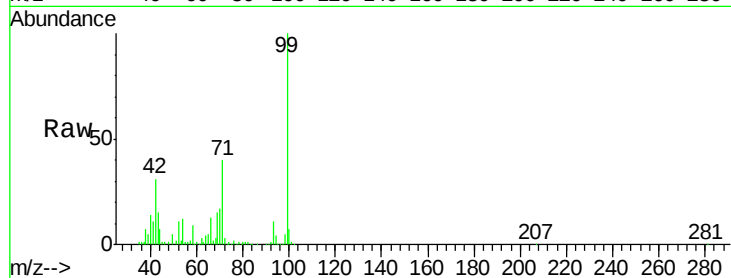
Tgt Ion: 99 Resp: 1492022

Ion Ratio Lower Upper

99 100

42 30.7 13.6 20.4#

71 39.8 24.6 36.8#



#8

2-Chlorophenol

Concen: 39.54 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

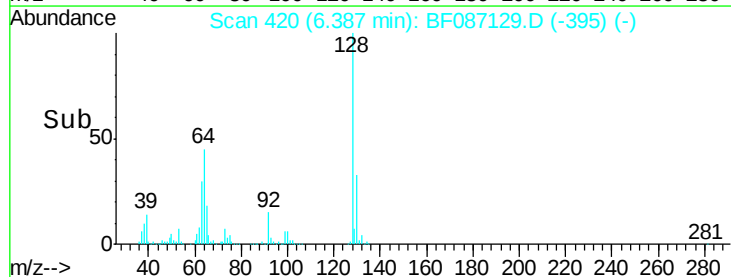
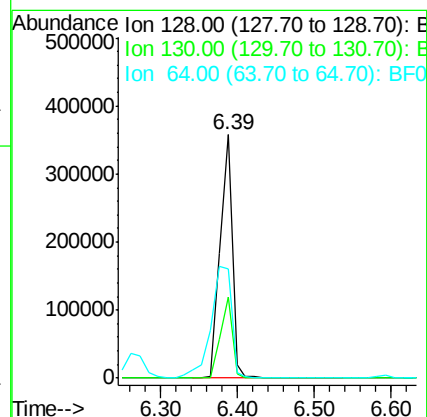
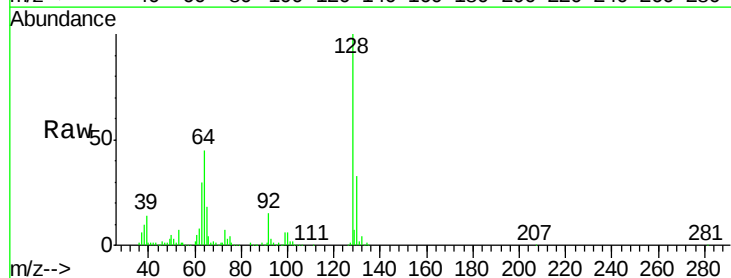
Tgt Ion: 128 Resp: 392836

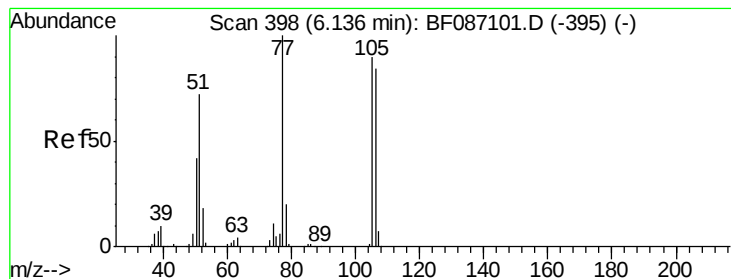
Ion Ratio Lower Upper

128 100

130 33.3 12.5 52.5

64 45.0 27.3 67.3





#9

Benzaldehyde

Concen: 3.86 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

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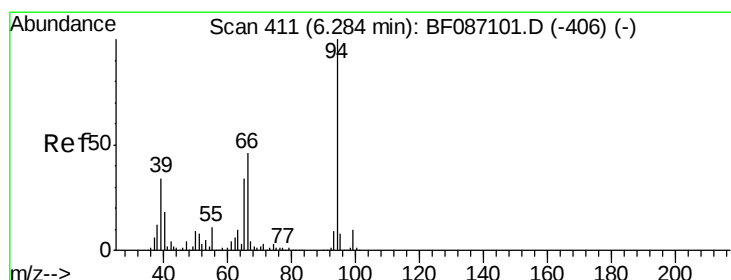
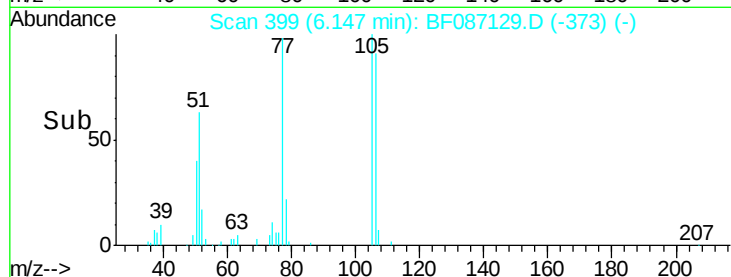
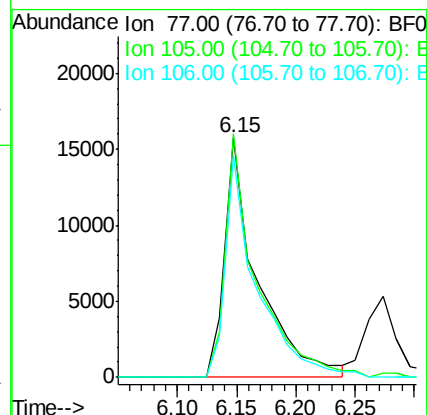
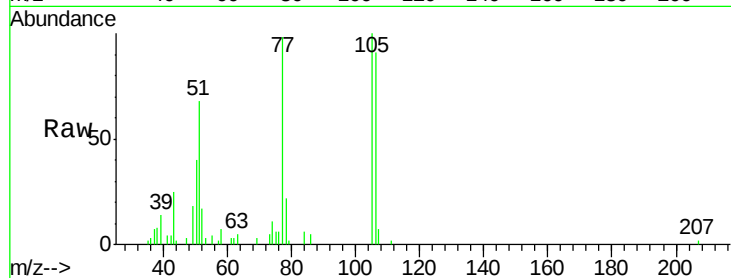
Tgt Ion: 77 Resp: 30425

Ion Ratio Lower Upper

77 100

105 101.6 72.7 112.7

106 92.7 70.8 110.8



#10

Phenol

Concen: 29.21 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

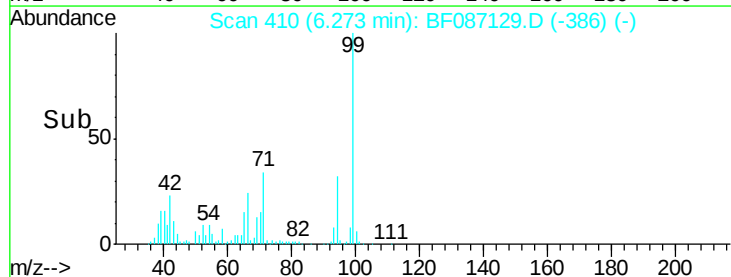
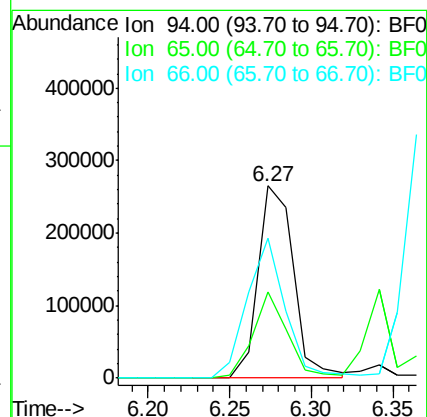
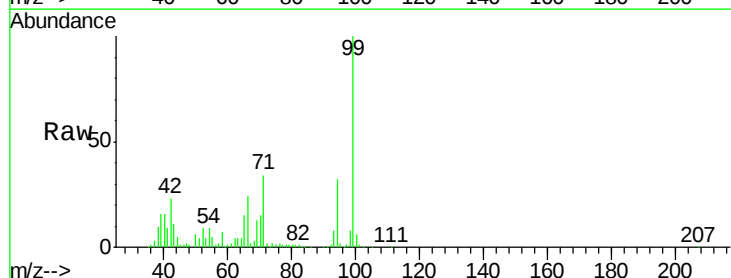
Tgt Ion: 94 Resp: 402220

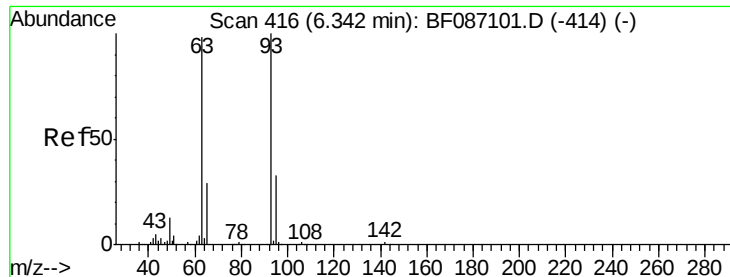
Ion Ratio Lower Upper

94 100

65 44.8 7.2 47.2

66 72.7 14.9 54.9#





#11

bis(2-Chloroethyl)ether

Concen: 39.84 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

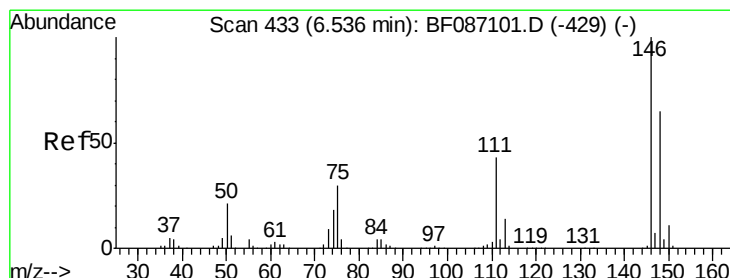
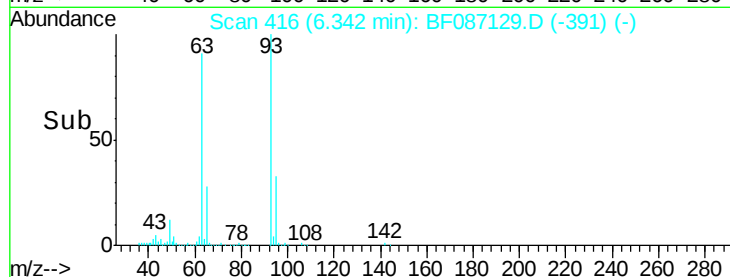
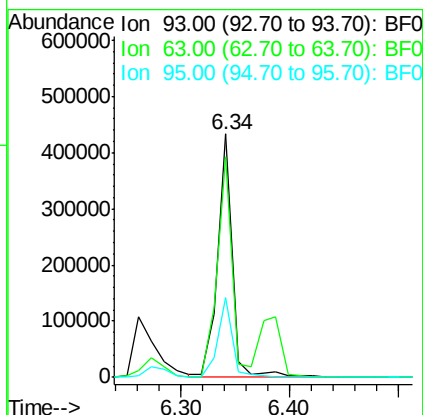
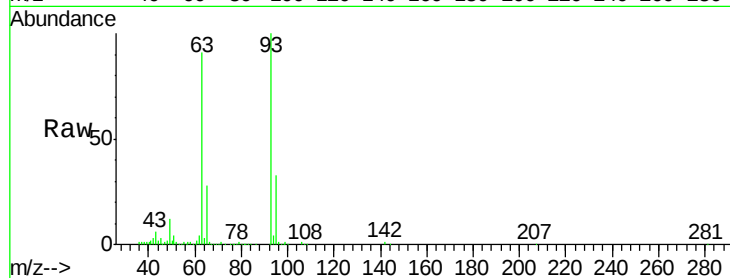
Tgt Ion: 93 Resp: 411901

Ion Ratio Lower Upper

93 100

63 90.8 58.0 98.0

95 32.7 11.9 51.9



#12

1,3-Dichlorobenzene

Concen: 35.10 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.22 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

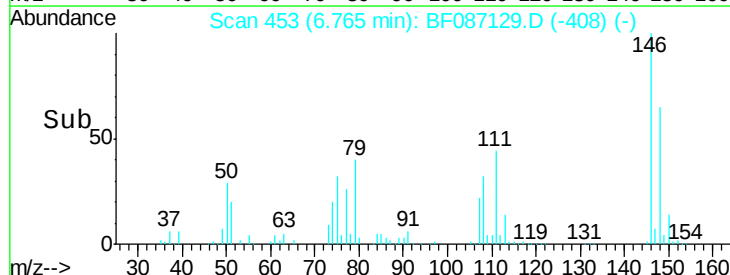
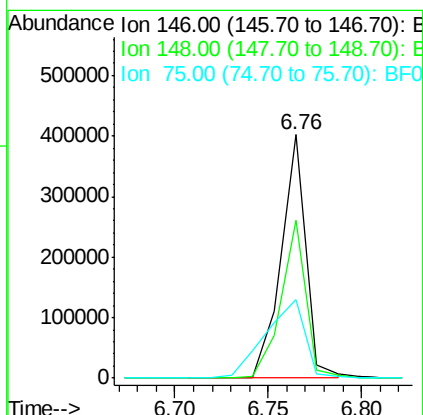
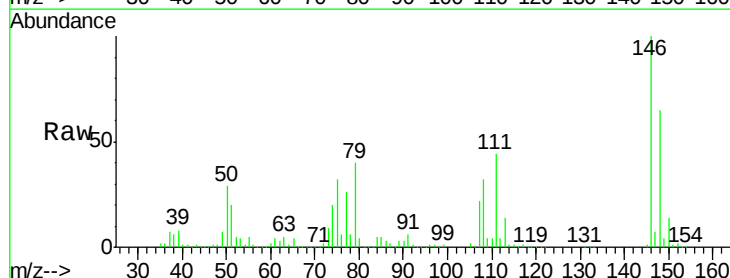
Tgt Ion: 146 Resp: 370712

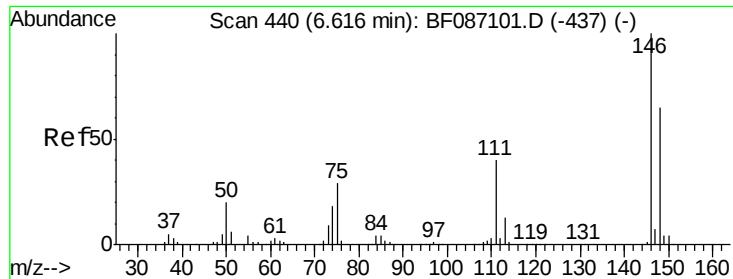
Ion Ratio Lower Upper

146 100

148 65.1 52.4 78.6

75 32.4 22.8 34.2

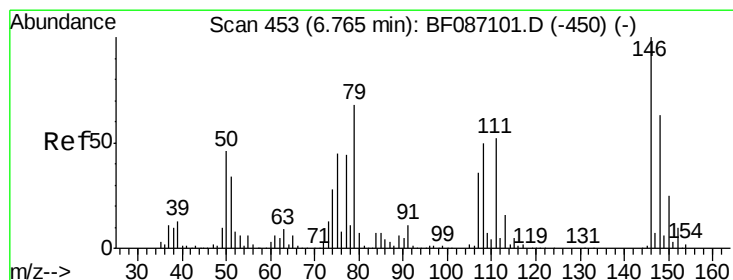
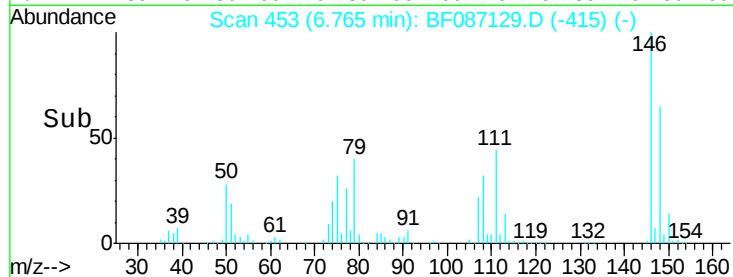
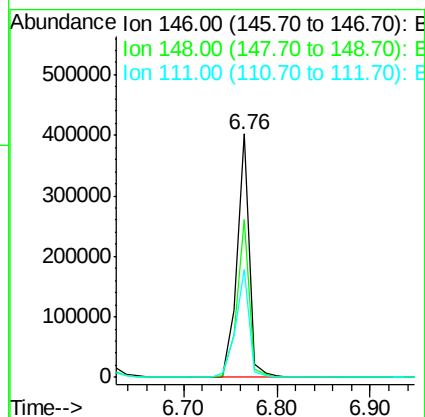
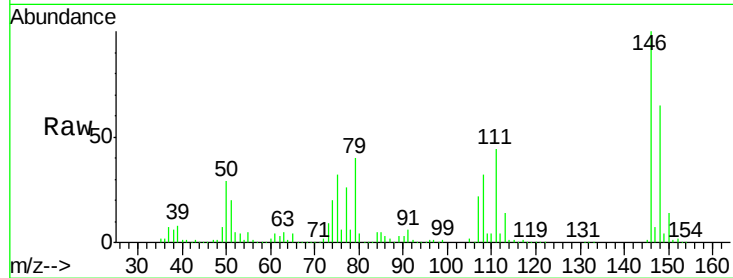




#13
 1,4-Dichlorobenzene
 Concen: 34.65 ng
 RT: 6.76 min Scan# 453
 Delta R.T. 0.14 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

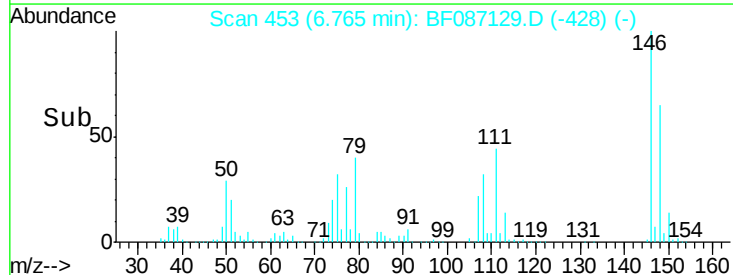
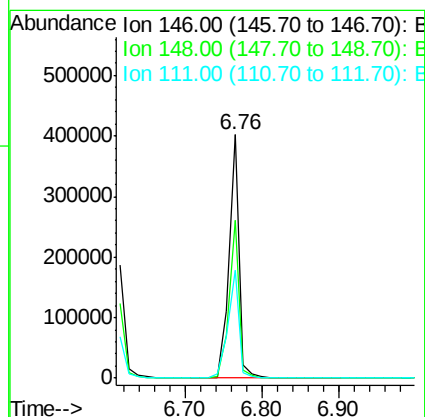
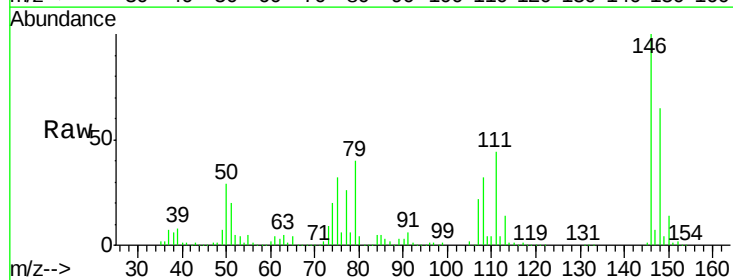
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMSD

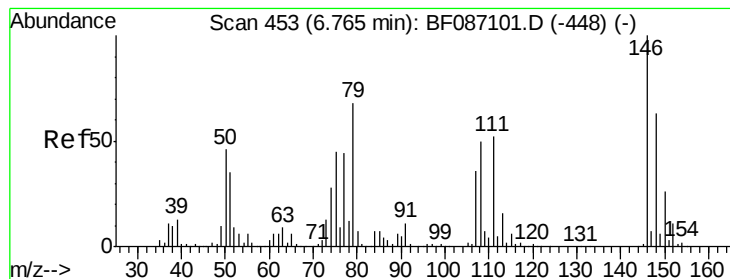
Tgt Ion:146 Resp: 374420
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.2 78.4
 111 44.2 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 39.97 ng
 RT: 6.76 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion:146 Resp: 378138
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.0 76.6
 111 44.2 36.2 54.4





#15

Benzyl Alcohol

Concen: 43.05 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

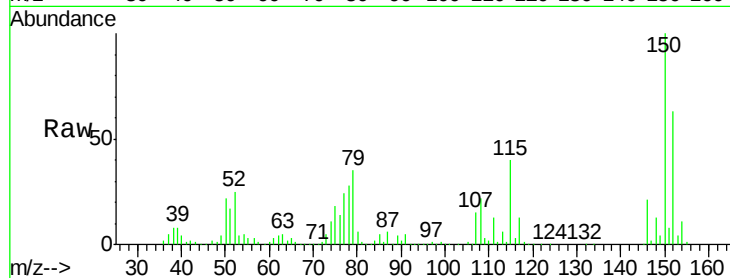
Tgt Ion: 79 Resp: 351034

Ion Ratio Lower Upper

79 100

108 63.1 68.4 102.6#

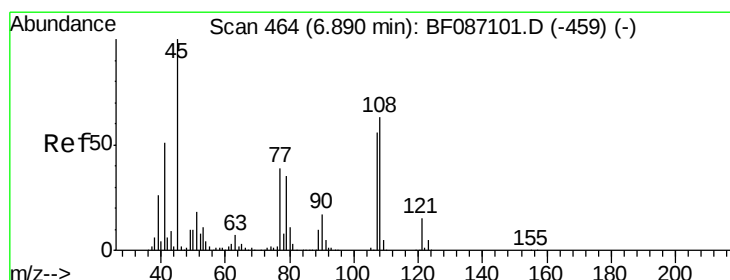
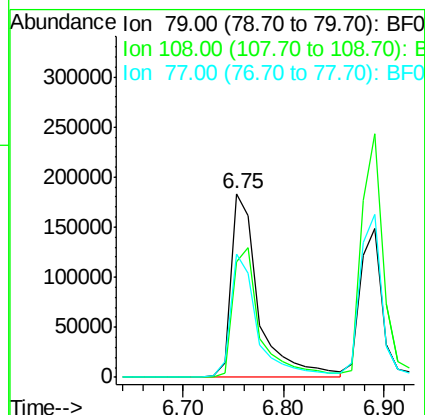
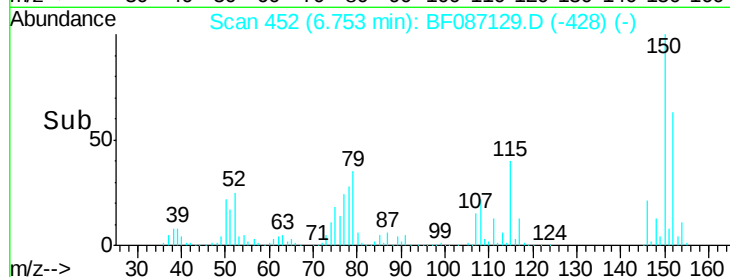
77 67.4 50.6 76.0



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: 38.97 ng

RT: 6.89 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

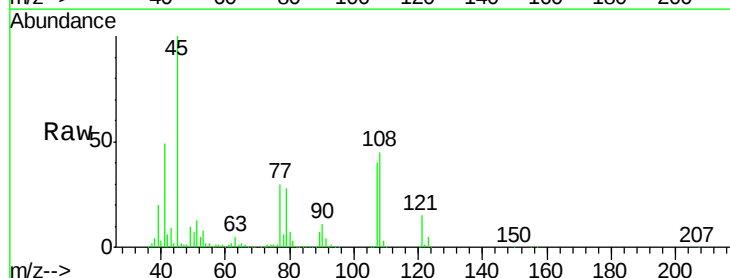
Tgt Ion: 45 Resp: 828202

Ion Ratio Lower Upper

45 100

77 30.2 0.0 36.4

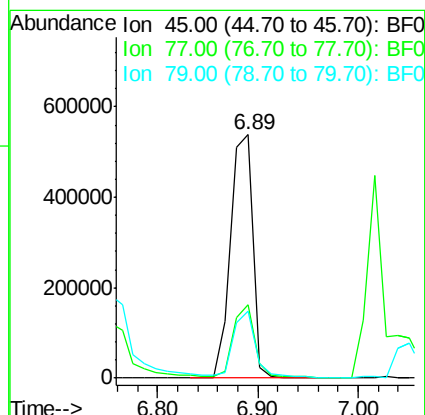
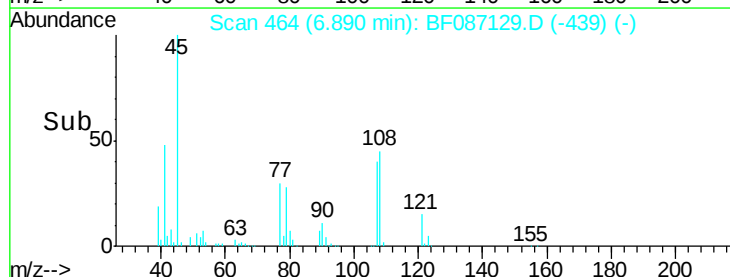
79 27.5 0.0 33.4

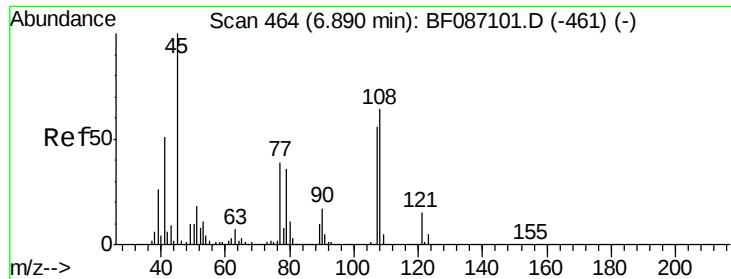


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

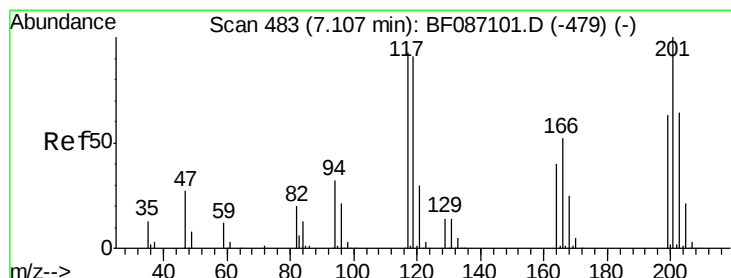
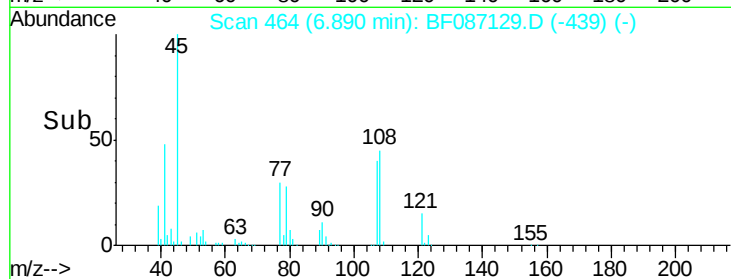
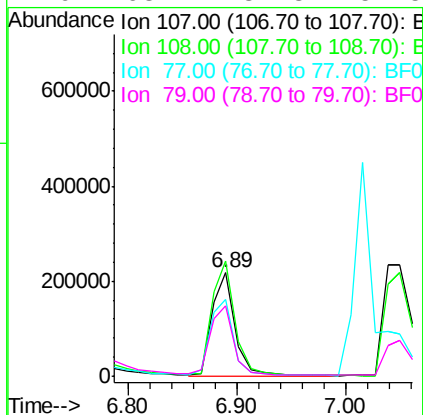
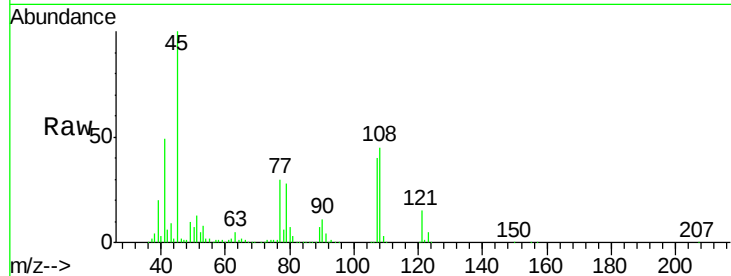




#17
2-Methylphenol
Concen: 38.85 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

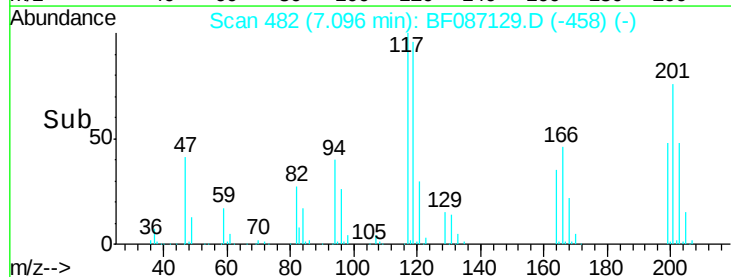
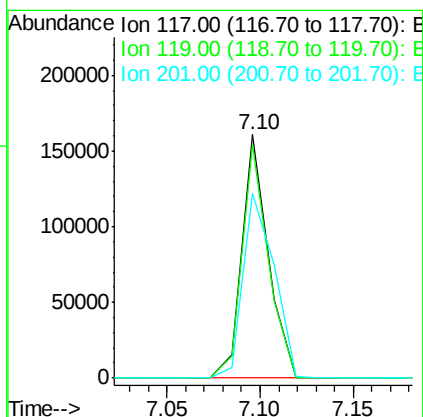
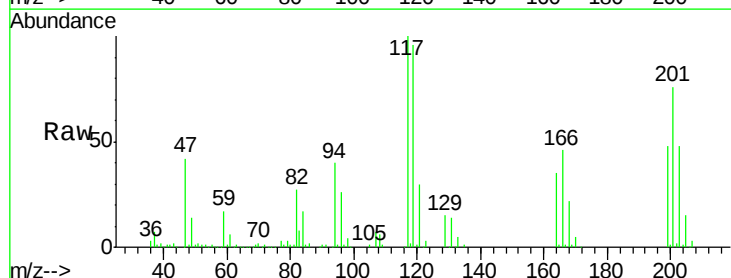
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

Tgt Ion:107 Resp: 316999
Ion Ratio Lower Upper
107 100
108 111.7 93.7 140.5
77 74.9 33.4 50.0#
79 68.1 34.3 51.5#



#18
Hexachloroethane
Concen: 38.03 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion:117 Resp: 157135
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
201 75.8 63.0 94.6

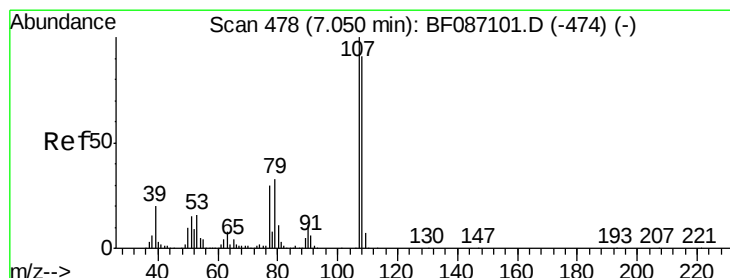
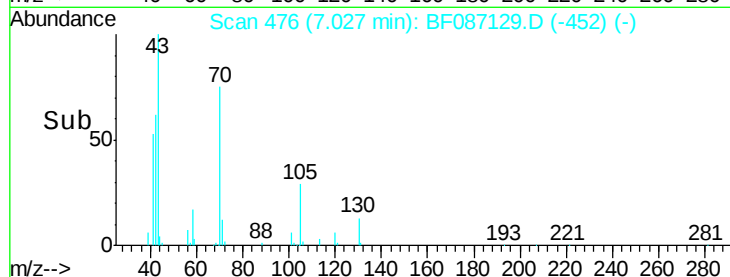
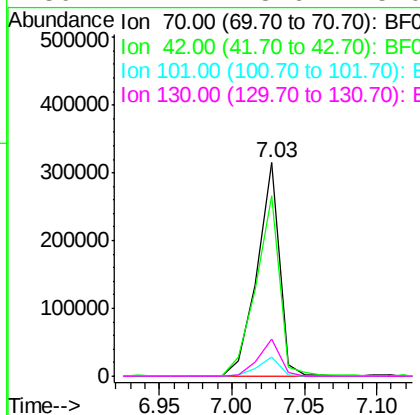
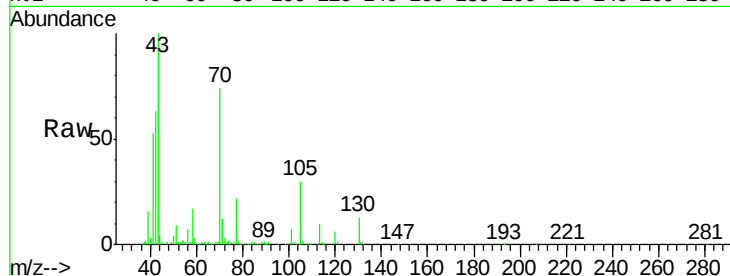




#19
n-Nitroso-di-n-propylamine
Concen: 40.70 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

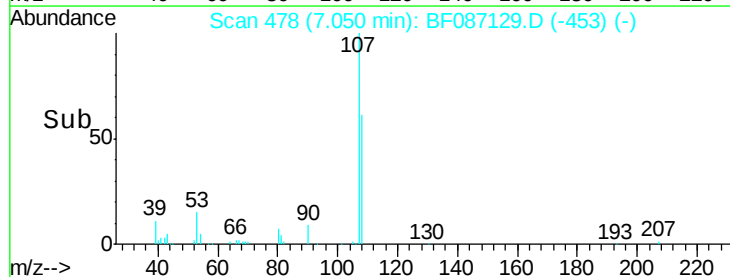
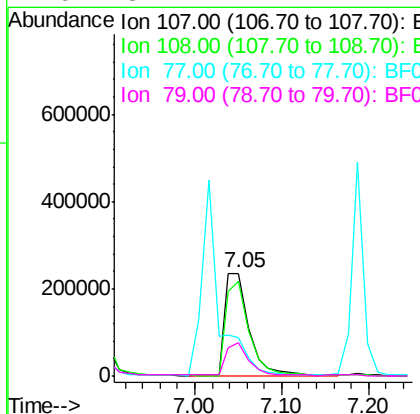
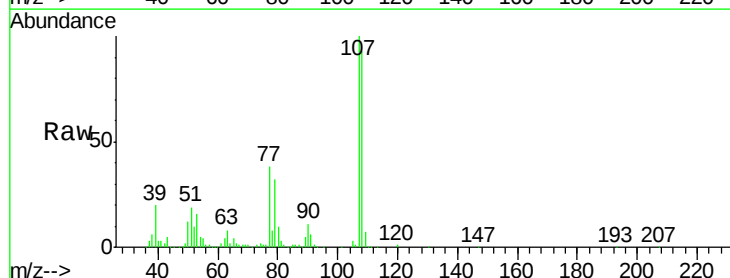
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

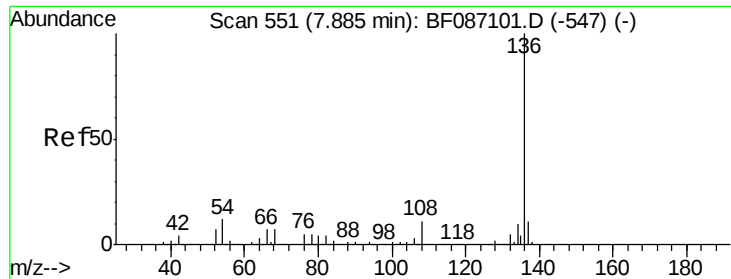
Tgt Ion: 70 Resp: 338859
Ion Ratio Lower Upper
70 100
42 84.5 43.1 64.7#
101 8.8 8.1 12.1
130 17.2 18.6 28.0#



#20
3+4-Methylphenols
Concen: 42.47 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion: 107 Resp: 457184
Ion Ratio Lower Upper
107 100
108 92.6 68.5 108.5
77 37.7 101.6 141.6#
79 32.4 7.4 47.4

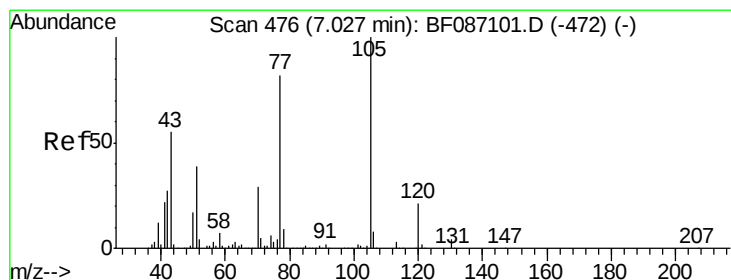
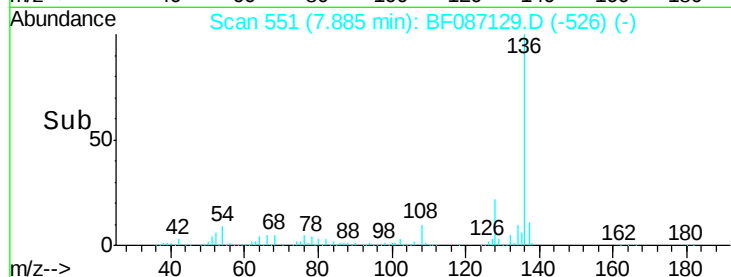
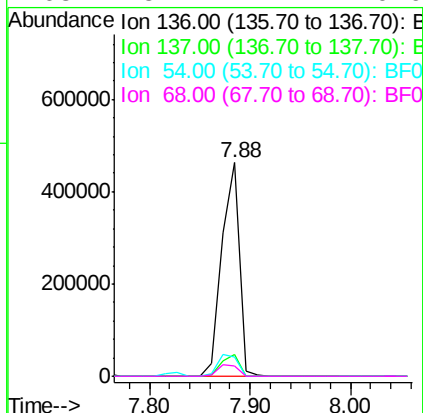
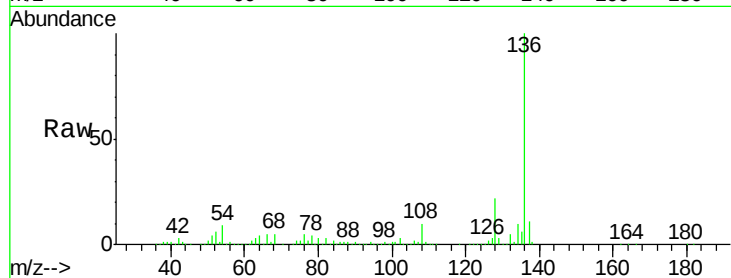




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

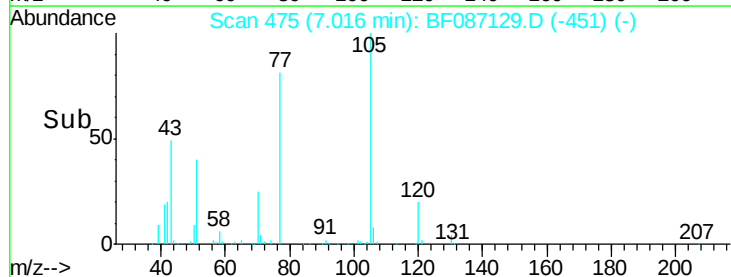
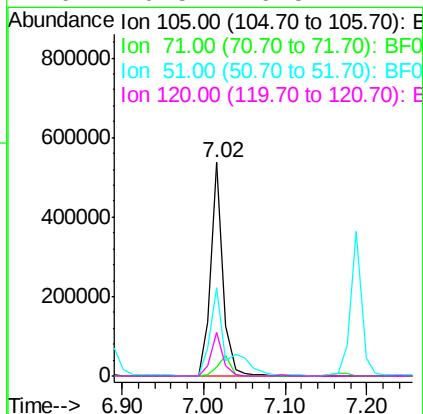
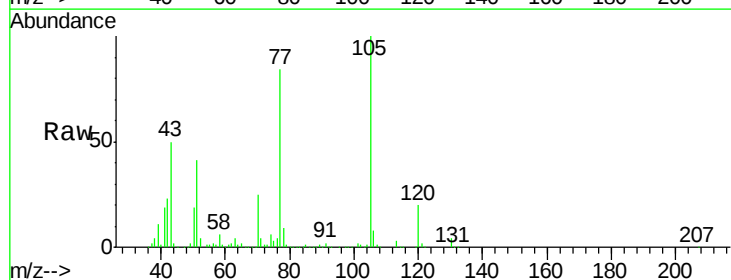
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

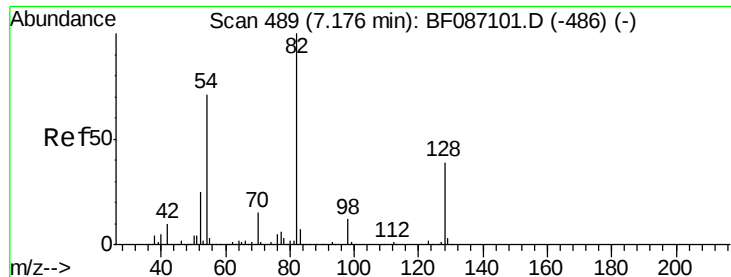
Tgt Ion:	136	Resp:	562478
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	9.2	5.0	7.4#
68	5.1	4.4	6.6



#22
Acetophenone
Concen: 41.70 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion:	105	Resp:	574047
Ion	Ratio	Lower	Upper
105	100		
71	4.2	4.8	7.2#
51	41.5	32.6	49.0
120	20.5	16.5	24.7

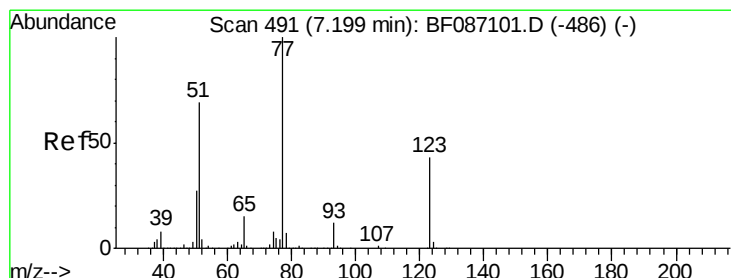
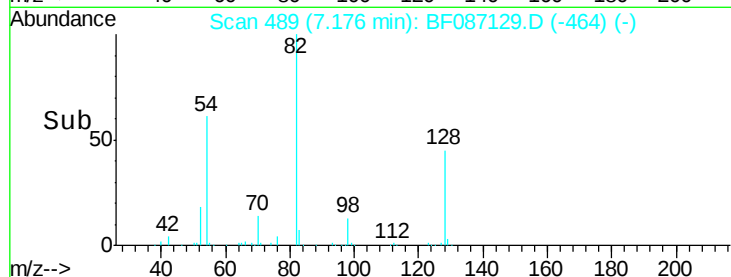
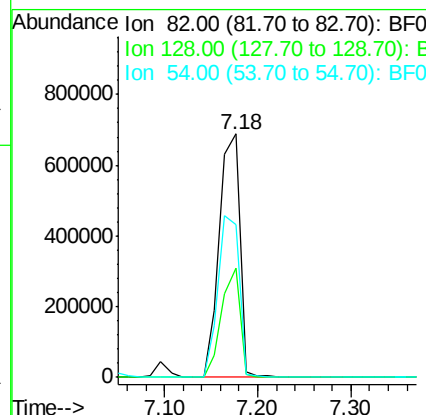
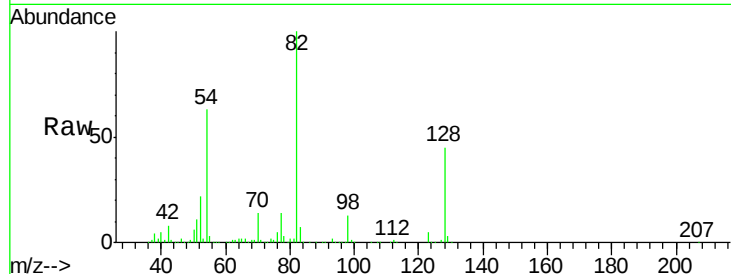




#23
 Nitrobenzene-d5
 Concen: 93.77 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

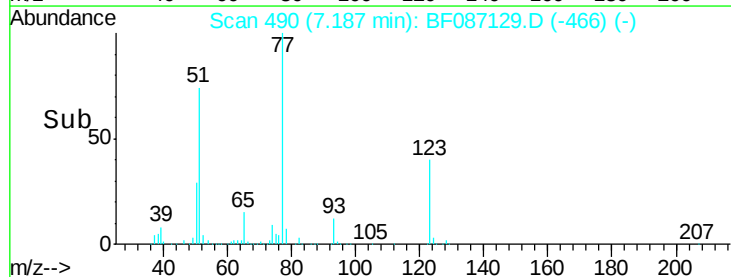
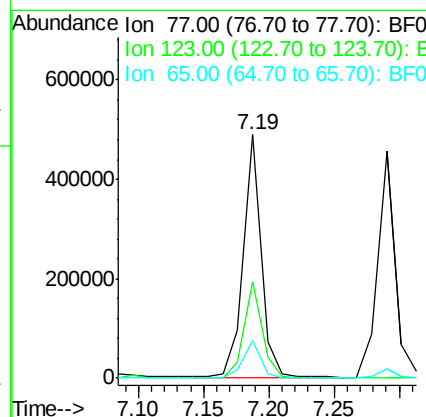
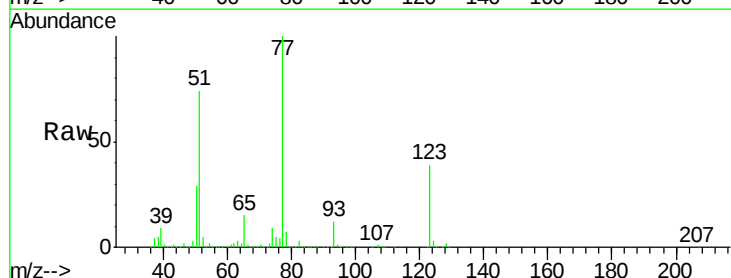
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMSD

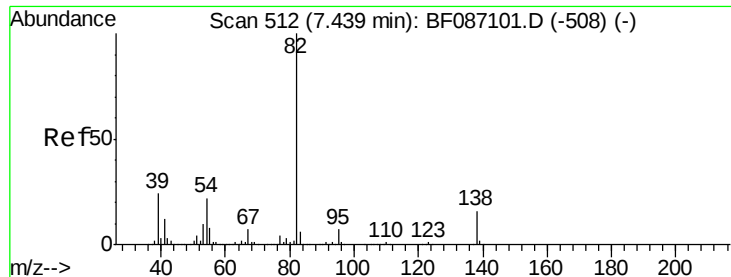
Tgt Ion: 82 Resp: 1058276
 Ion Ratio Lower Upper
 82 100
 128 45.1 40.6 61.0
 54 62.7 38.1 57.1#



#24
 Nitrobenzene
 Concen: 37.46 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion: 77 Resp: 461623
 Ion Ratio Lower Upper
 77 100
 123 39.4 33.0 49.4
 65 15.2 10.8 16.2





#25

Isophorone

Concen: 39.28 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

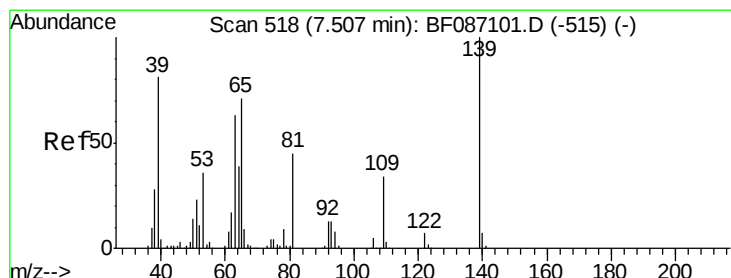
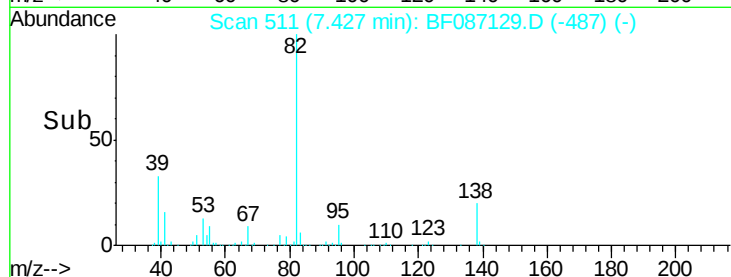
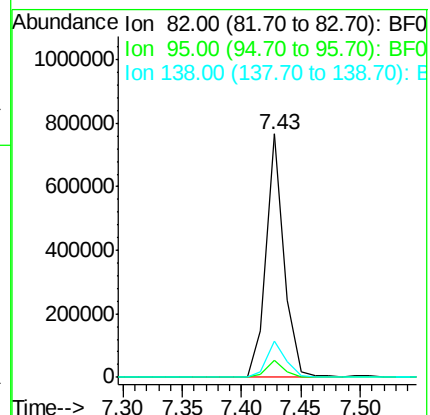
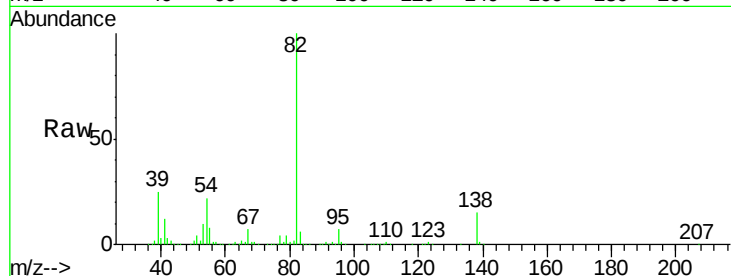
Tgt Ion: 82 Resp: 811474

Ion Ratio Lower Upper

82 100

95 7.3 5.1 7.7

138 14.8 12.4 18.6



#26

2-Nitrophenol

Concen: 44.07 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

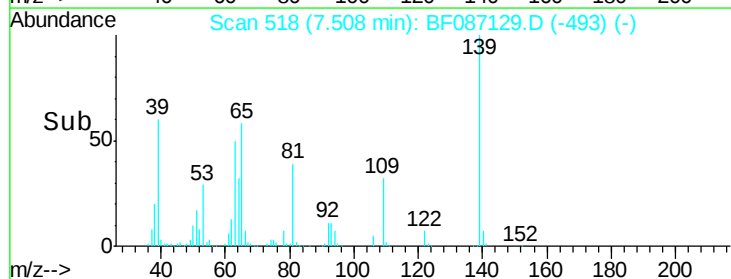
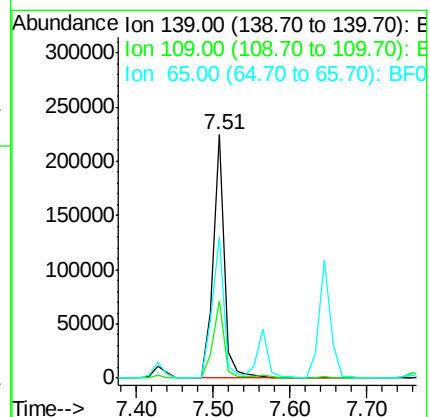
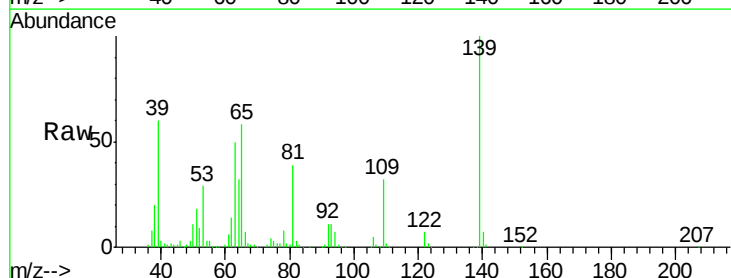
Tgt Ion: 139 Resp: 224972

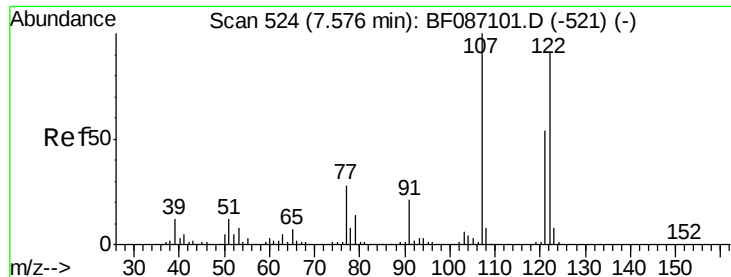
Ion Ratio Lower Upper

139 100

109 31.6 19.5 29.3#

65 58.0 37.5 56.3#

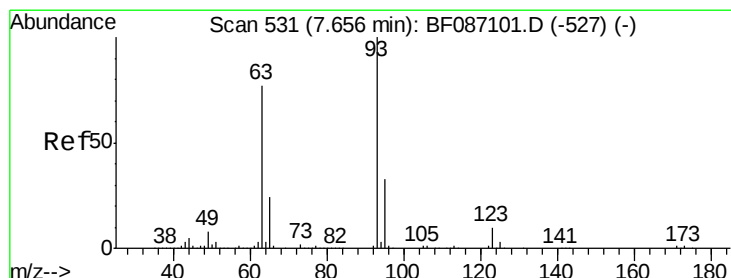
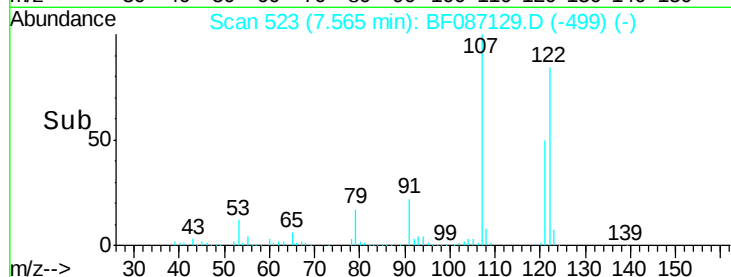
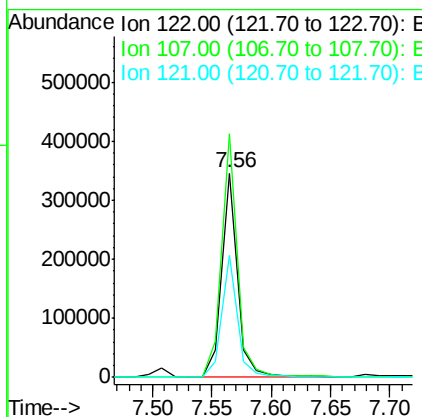
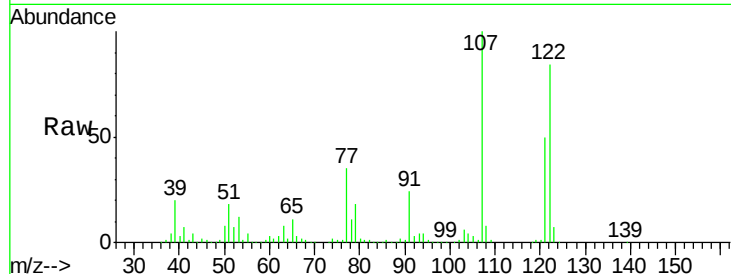




#27
 2,4-Dimethylphenol
 Concen: 36.20 ng
 RT: 7.56 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

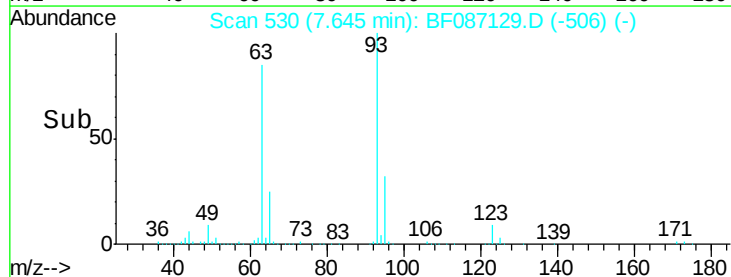
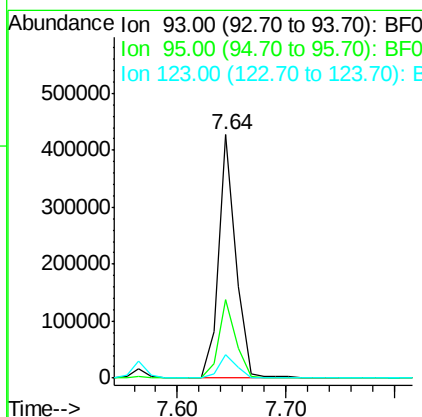
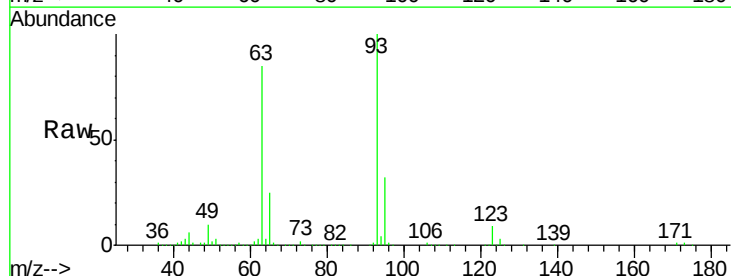
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMSD

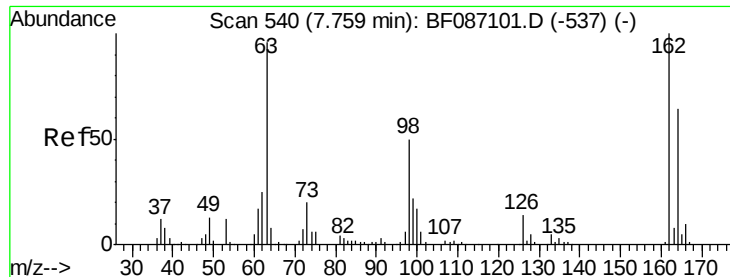
Tgt Ion:122 Resp: 315354
 Ion Ratio Lower Upper
 122 100
 107 119.3 82.0 123.0
 121 59.7 46.1 69.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.44 ng
 RT: 7.64 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion: 93 Resp: 470050
 Ion Ratio Lower Upper
 93 100
 95 32.1 26.0 39.0
 123 9.4 9.5 14.3#

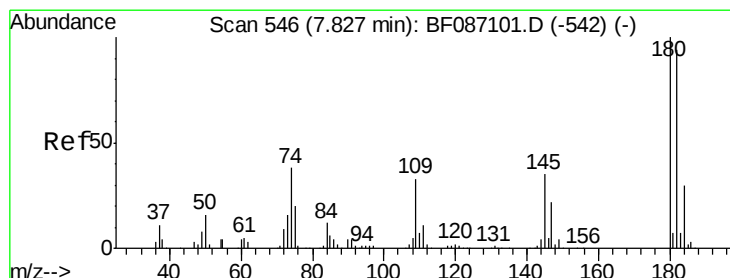
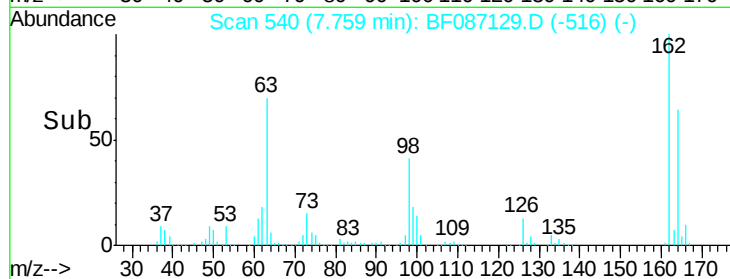
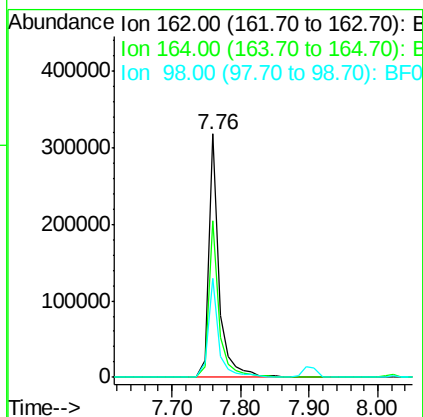
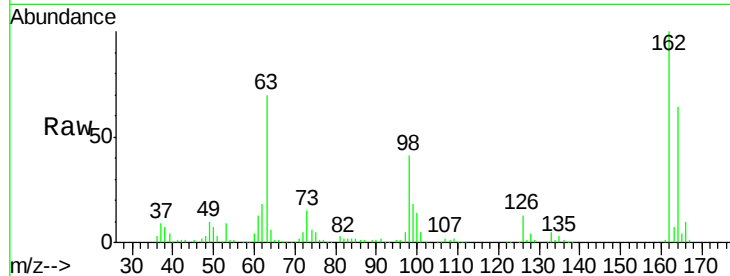




#29
 2,4-Dichlorophenol
 Concen: 43.99 ng
 RT: 7.76 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

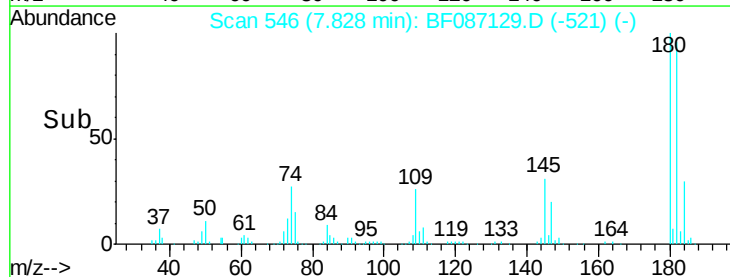
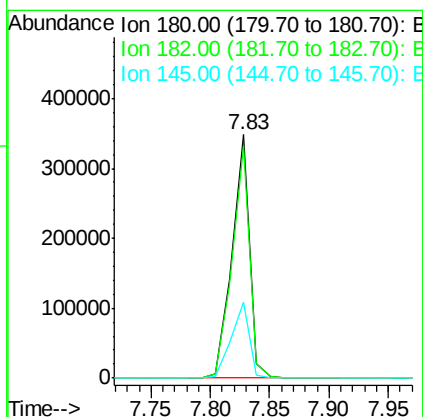
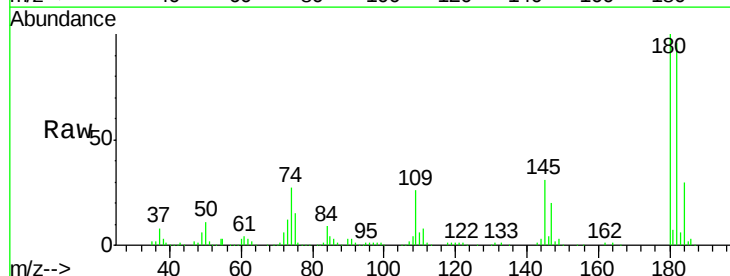
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMSD

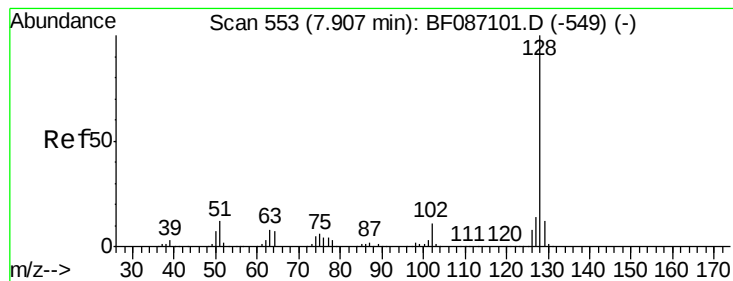
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.5	42.2	82.2
98	40.6	19.0	59.0



#30
 1,2,4-Trichlorobenzene
 Concen: 41.77 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.0	117.0
145	31.2	24.2	36.2





#31

Naphthalene

Concen: 41.85 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

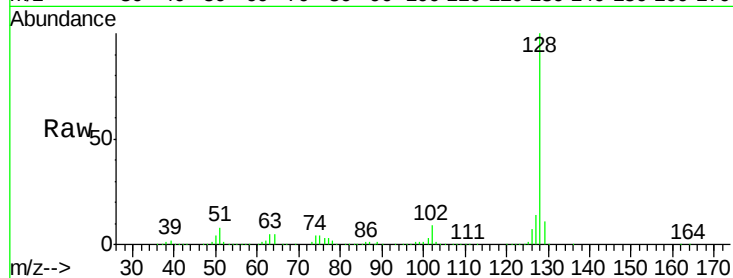
Tgt Ion:128 Resp: 1150119

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

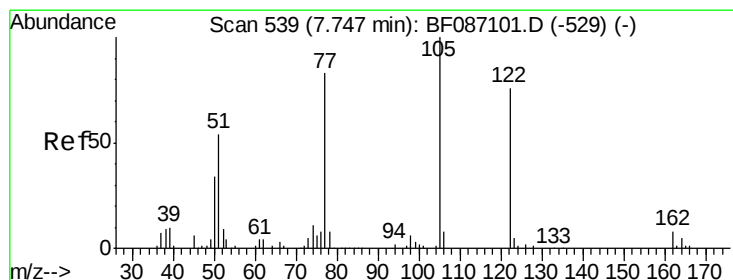
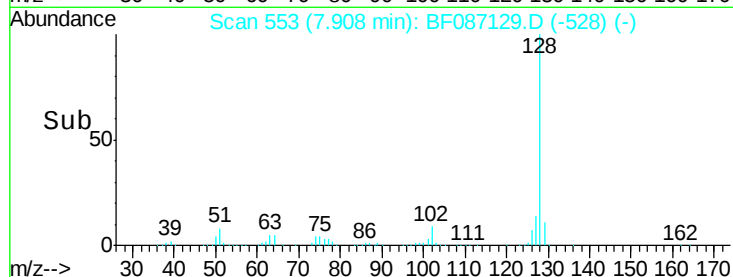
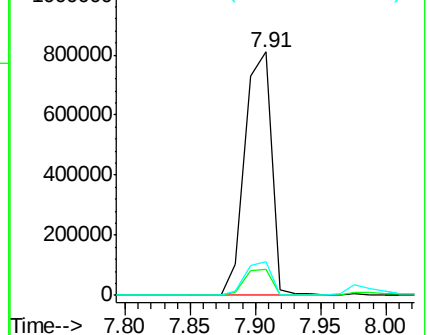
127 13.6 10.8 16.2



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: 60.73 ng

RT: 7.56 min Scan# 523

Delta R.T. -0.18 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

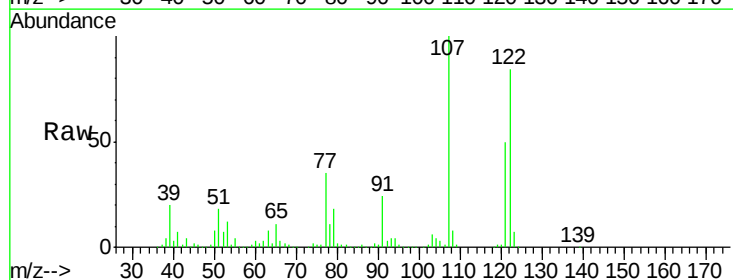
Tgt Ion:122 Resp: 315354

Ion Ratio Lower Upper

122 100

105 4.0 92.6 132.6#

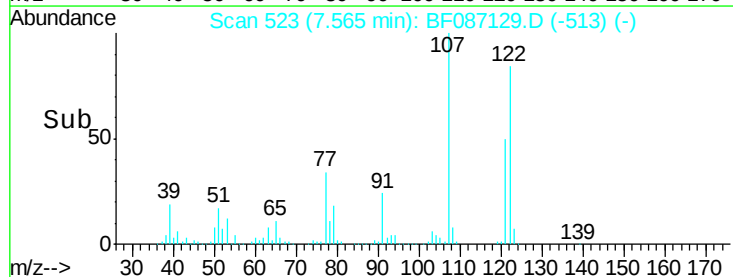
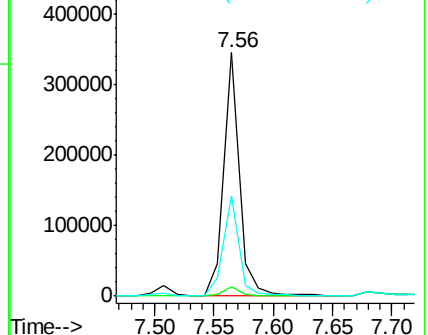
77 41.2 60.0 100.0#

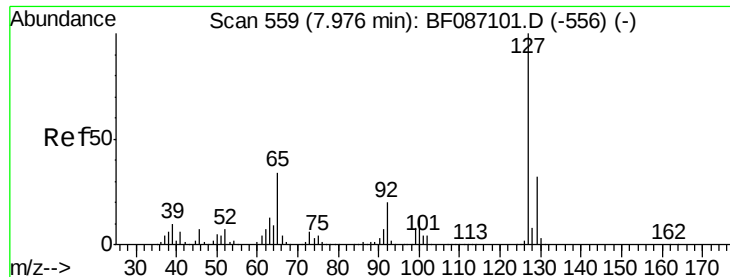


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

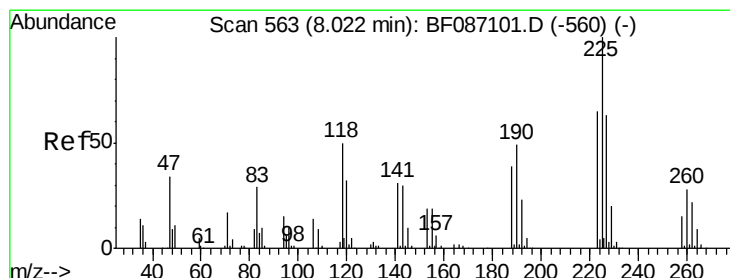
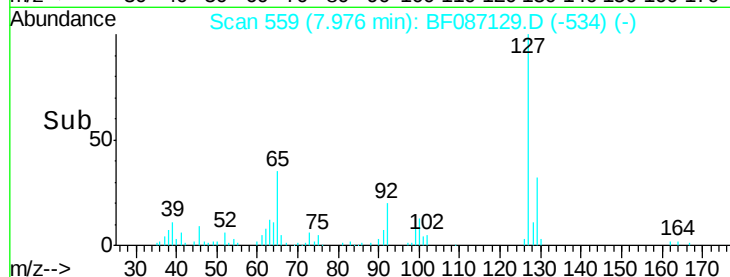
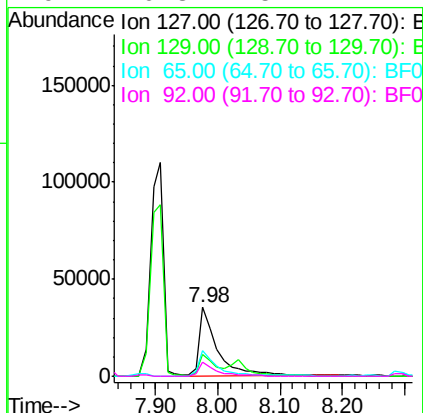
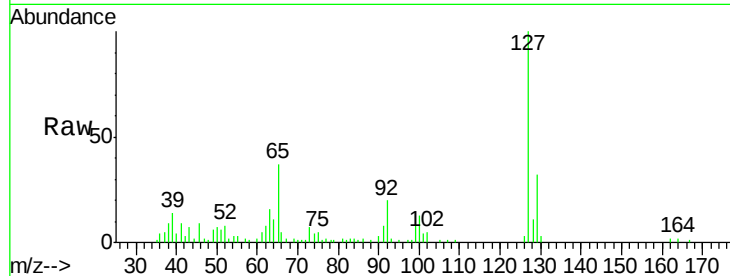




#33
4-Chloroaniline
Concen: 6.27 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

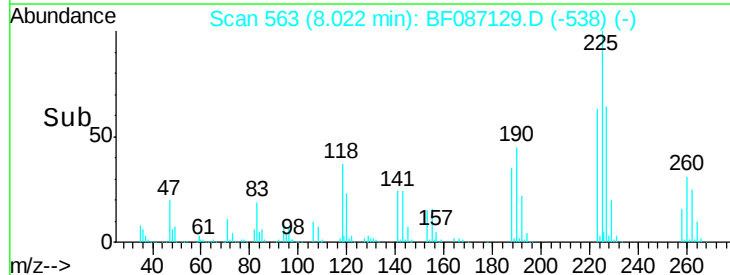
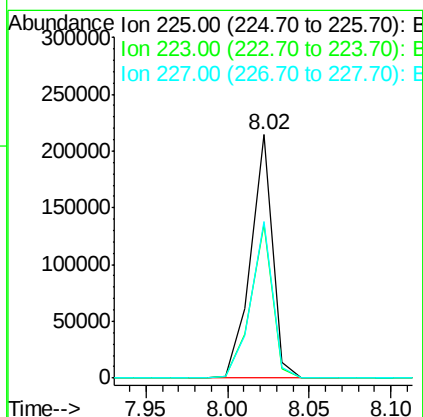
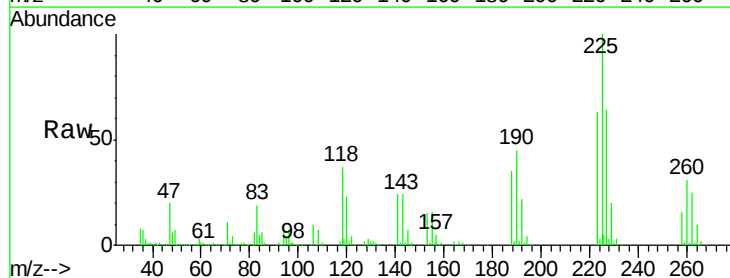
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

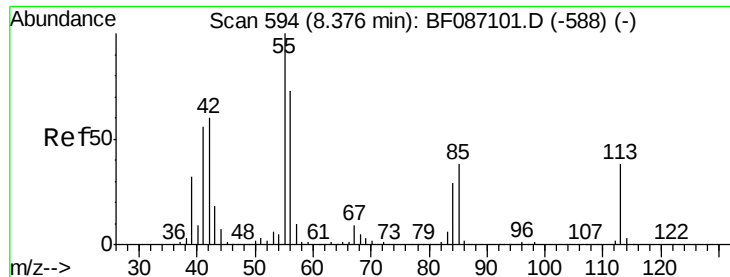
Tgt Ion:	127	Resp:	71646
Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.2	39.4
65	37.0	23.0	34.4
92	20.3	15.1	22.7



#34
Hexachlorobutadiene
Concen: 41.38 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion:	225	Resp:	200021
Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.5	77.3
227	64.2	52.2	78.2

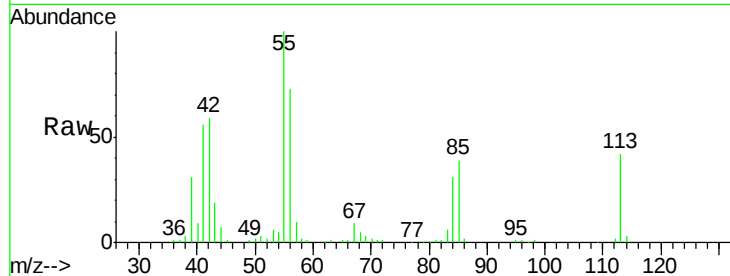




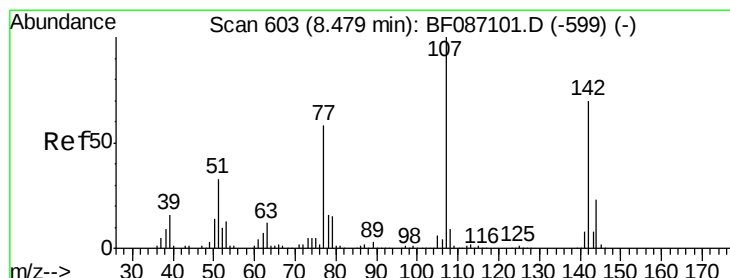
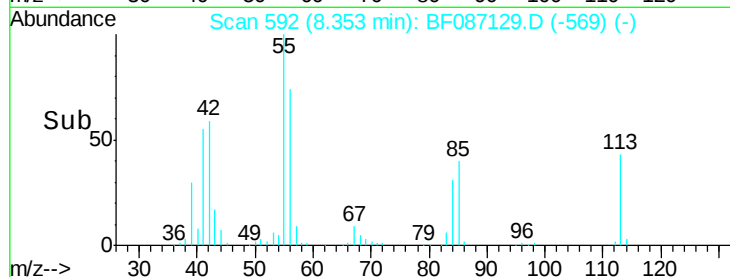
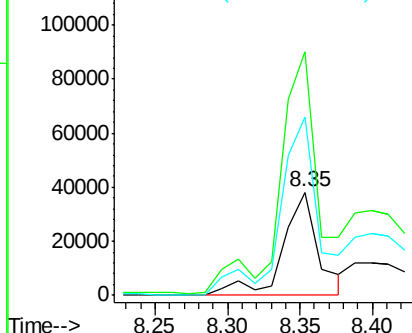
#35
 Caprolactam
 Concen: 25.36 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

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

Tgt Ion:113 Resp: 64833
 Ion Ratio Lower Upper
 113 100
 55 236.3 162.0 202.0#
 56 172.9 115.3 155.3#

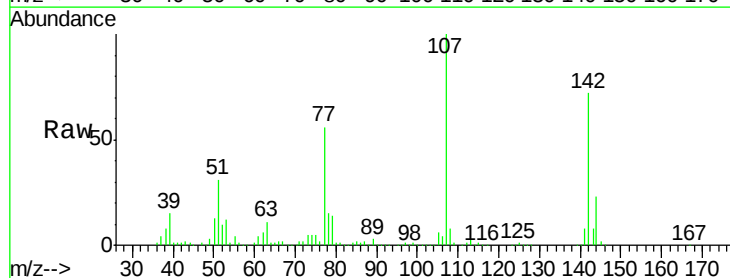


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

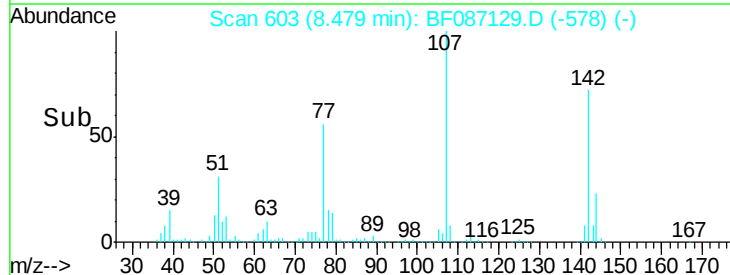
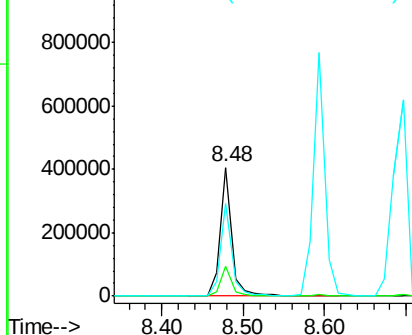


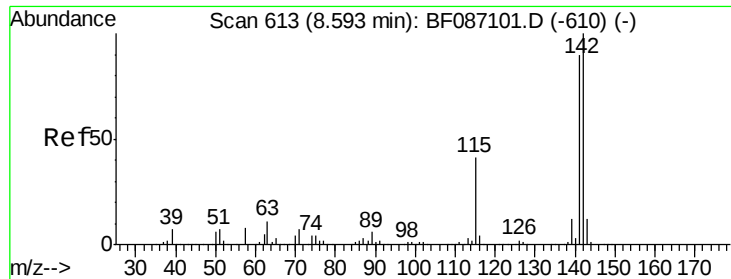
#36
 4-Chloro-3-methylphenol
 Concen: 42.76 ng
 RT: 8.48 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion:107 Resp: 395976
 Ion Ratio Lower Upper
 107 100
 144 23.3 20.7 31.1
 142 72.0 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

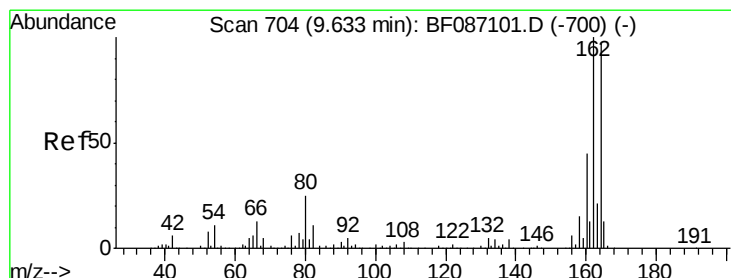
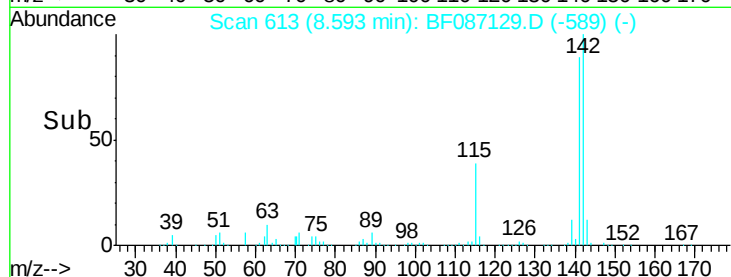
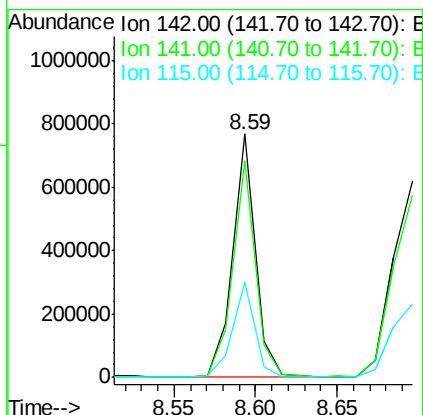
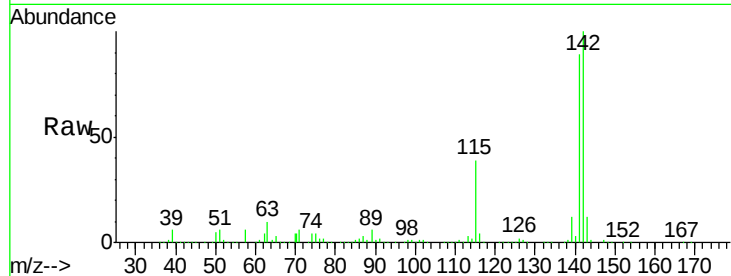




#37
2-Methylnaphthalene
Concen: 41.71 ng
RT: 8.59 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

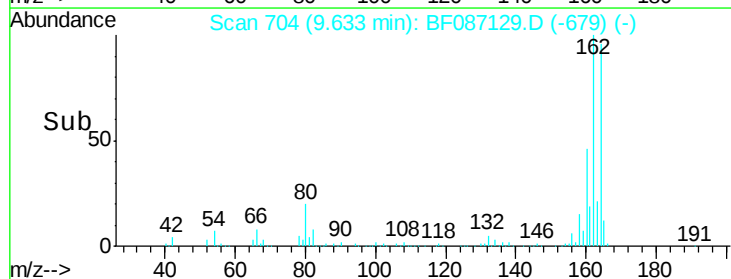
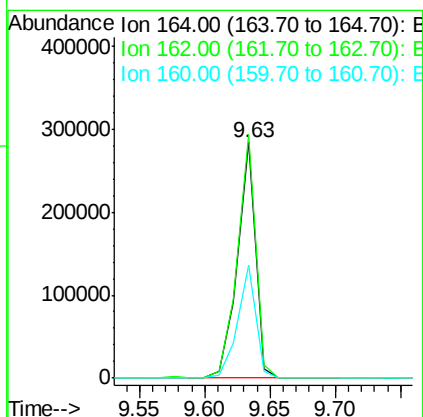
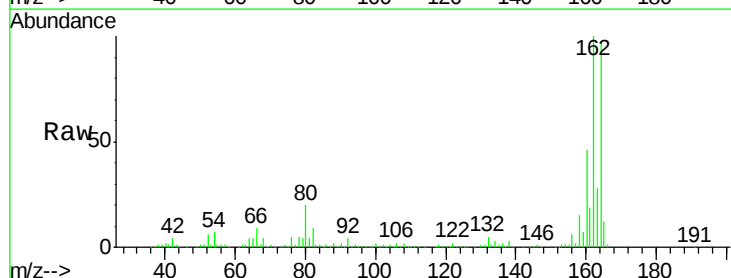
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

Tgt Ion:142 Resp: 733309
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.6
115 39.1 26.6 39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion:164 Resp: 272158
Ion Ratio Lower Upper
164 100
162 103.5 82.8 124.2
160 47.9 36.9 55.3

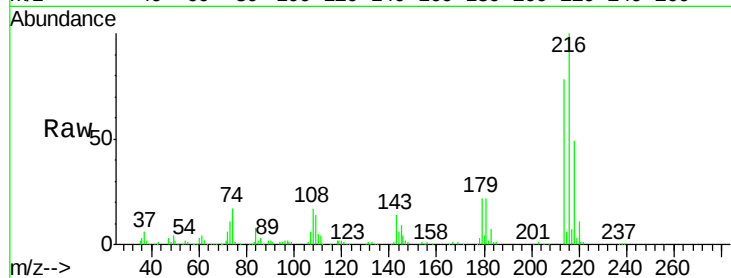




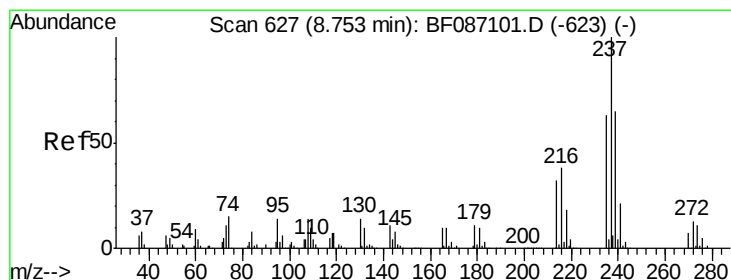
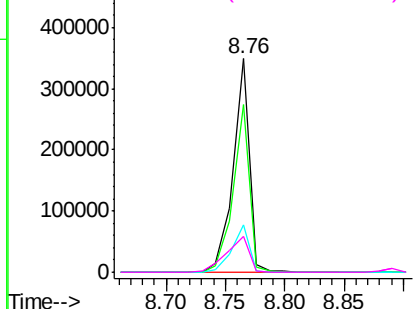
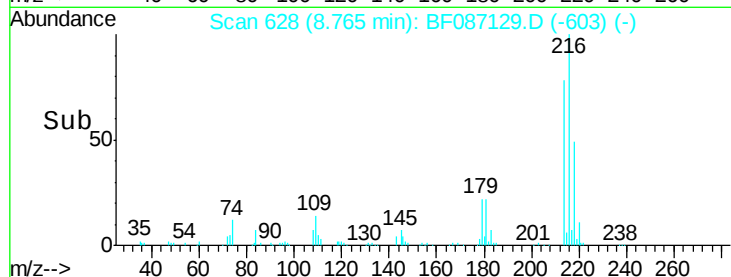
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.85 ng
 RT: 8.76 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

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

Tgt Ion:	216	Resp:	332666
Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.6	93.8
179	23.2	18.2	27.4
108	23.2	17.5	26.3

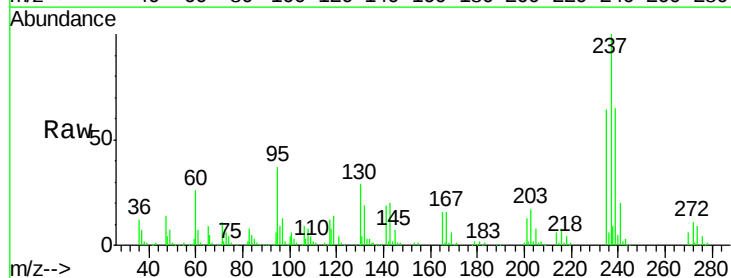


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

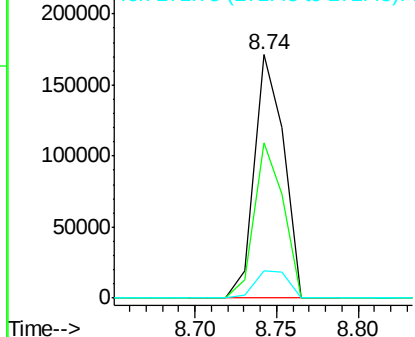
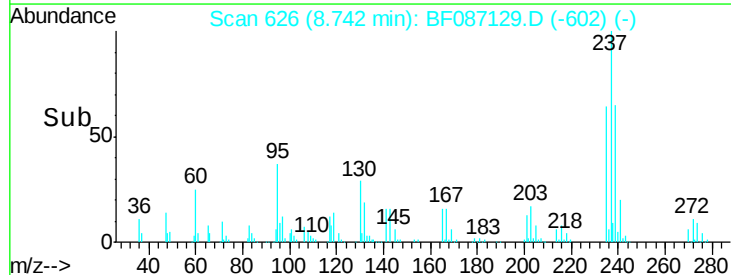


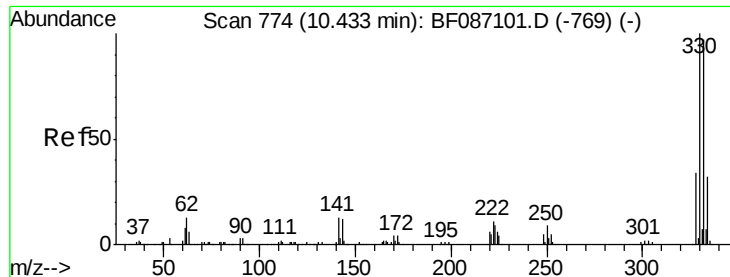
#40
 Hexachlorocyclopentadiene
 Concen: 70.67 ng
 RT: 8.74 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion:	237	Resp:	213801
Ion	Ratio	Lower	Upper
237	100		
235	63.6	47.2	87.2
272	11.1	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

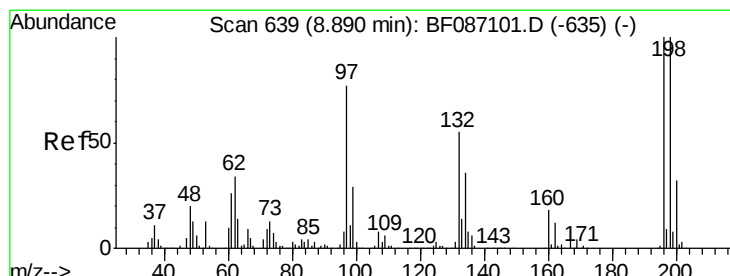
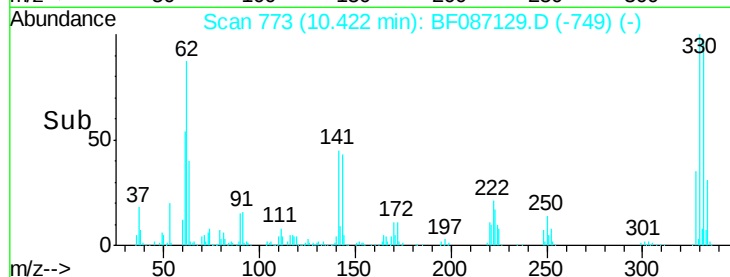
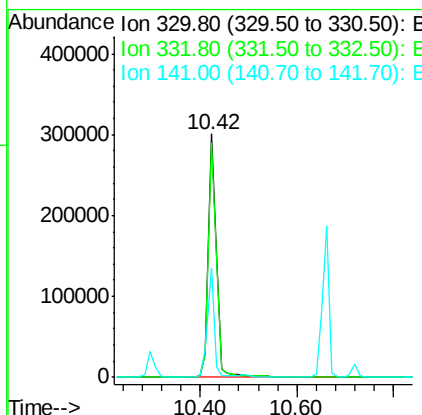
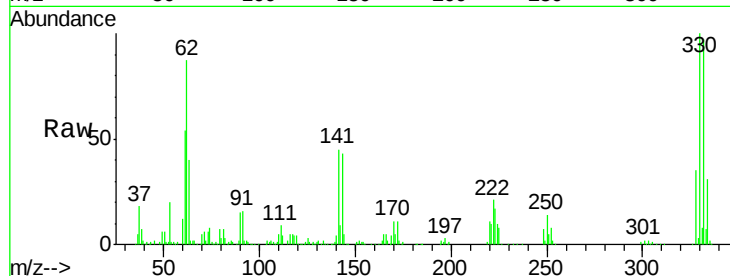




#41
 2,4,6-Tribromophenol
 Concen: 118.77 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

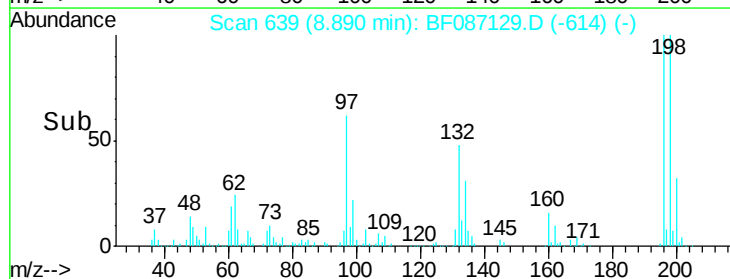
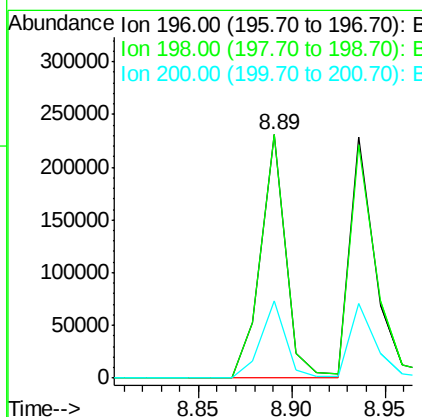
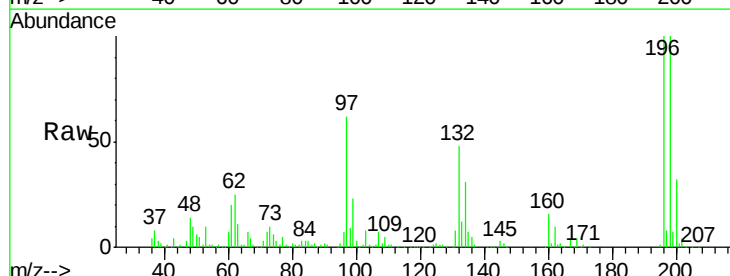
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMSD

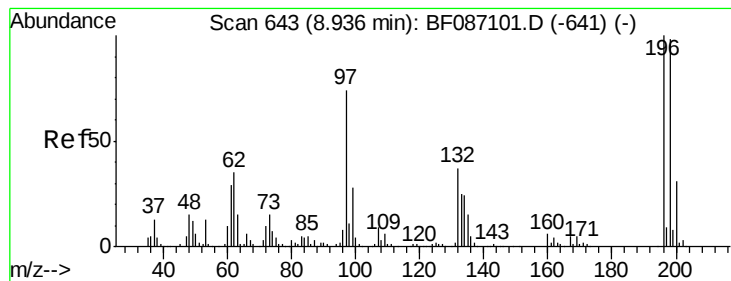
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.0	118.4
141	36.9	31.2	46.8



#42
 2,4,6-Trichlorophenol
 Concen: 42.27 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.9	74.7	112.1
200	31.7	23.8	35.6





#43

2,4,5-Trichlorophenol

Concen: 41.93 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

Tgt Ion:196 Resp: 224550

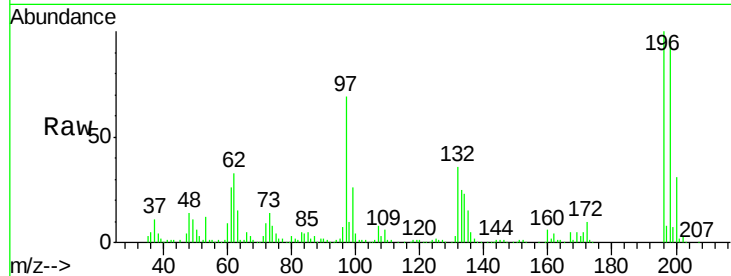
Ion Ratio Lower Upper

196 100

198 97.1 77.5 116.3

97 69.2 34.8 52.2#

132 35.6 23.0 34.4#

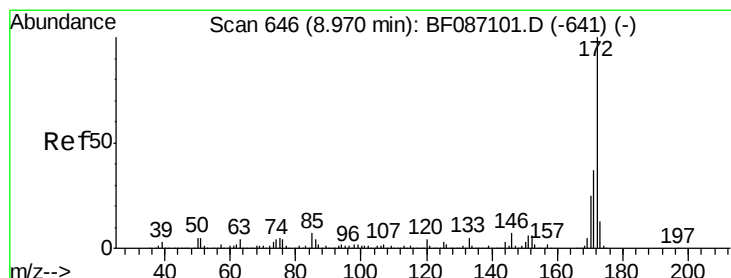
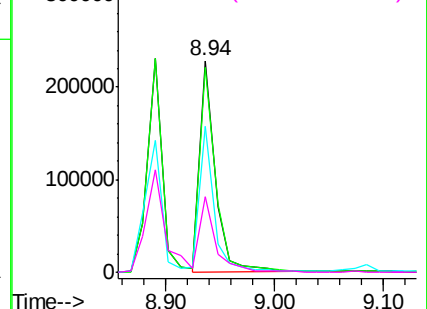
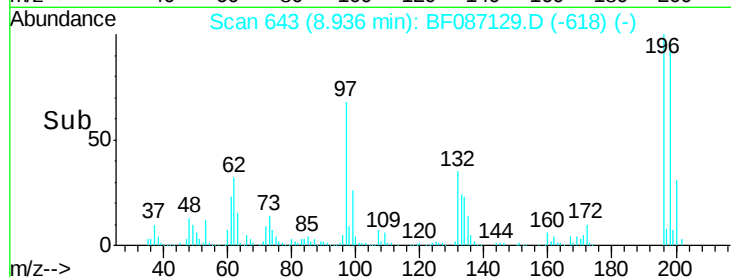


Abundance Ion 196.00 (195.70 to 196.70): E

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: 89.88 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

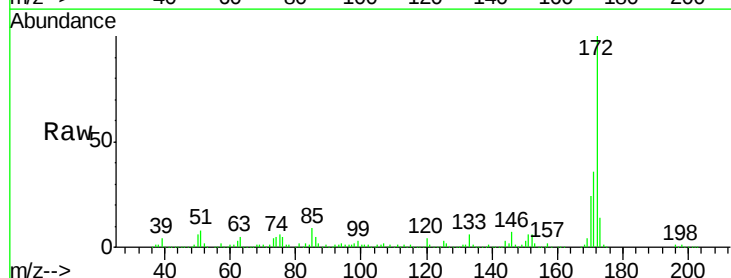
Tgt Ion:172 Resp: 1477075

Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

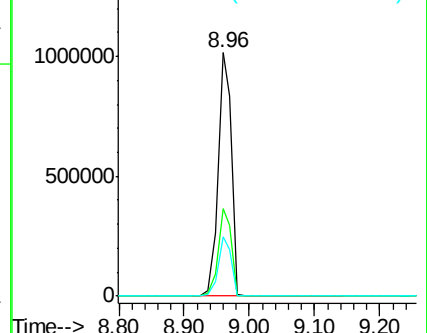
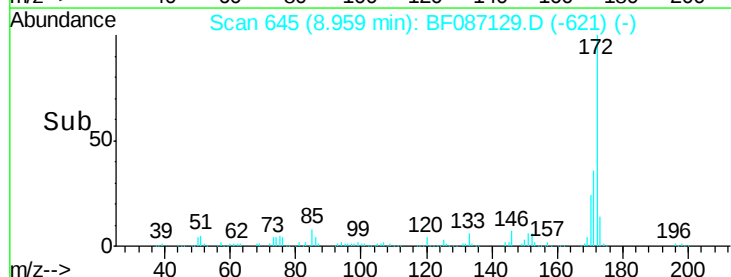
170 24.4 19.8 29.8

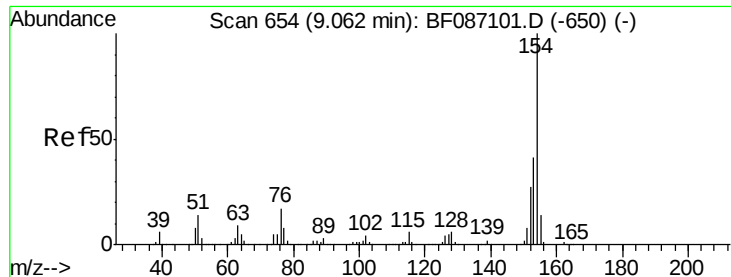


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 40.92 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

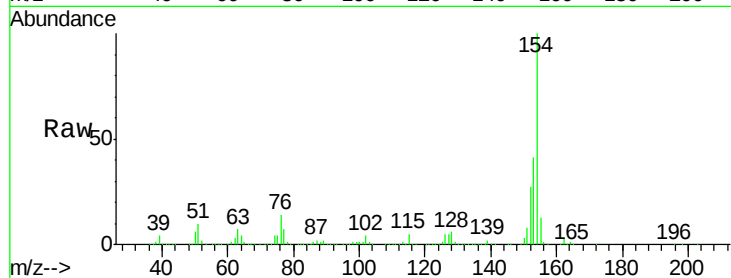
Tgt Ion:154 Resp: 923533

Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

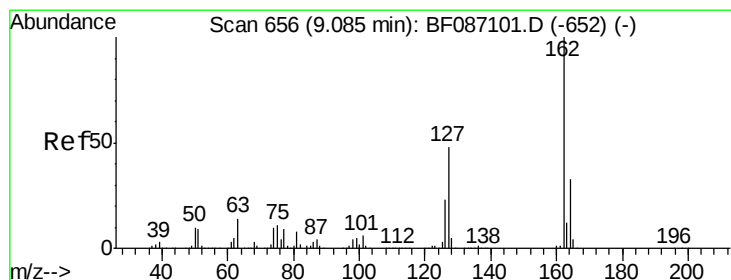
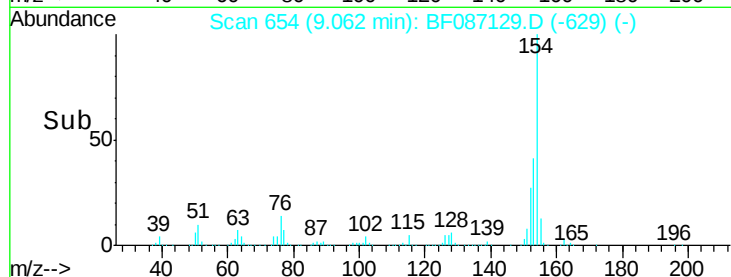
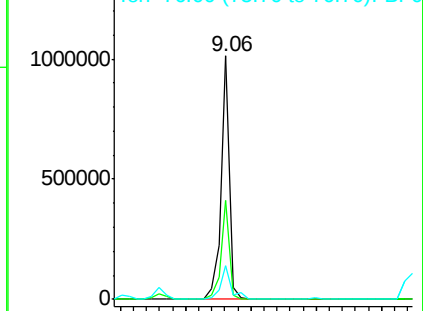
76 13.7 0.0 30.2



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: 41.39 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

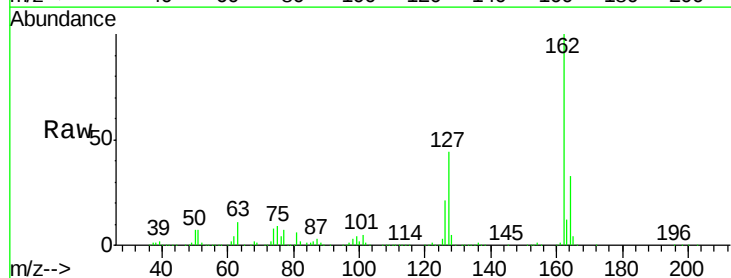
Tgt Ion:162 Resp: 717120

Ion Ratio Lower Upper

162 100

127 44.2 31.8 47.6

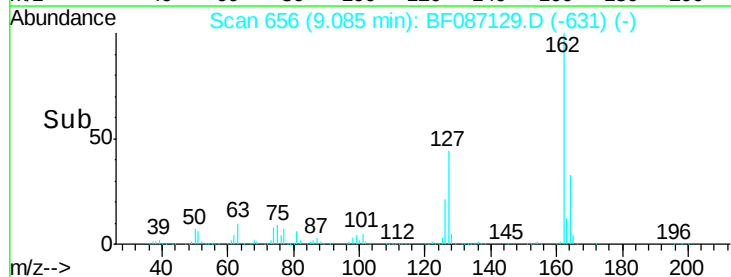
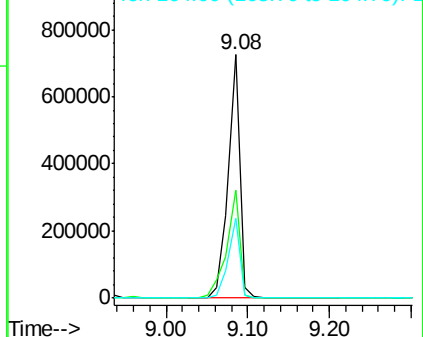
164 32.9 27.0 40.6

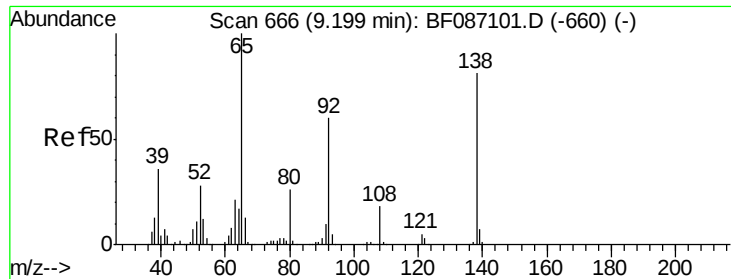


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

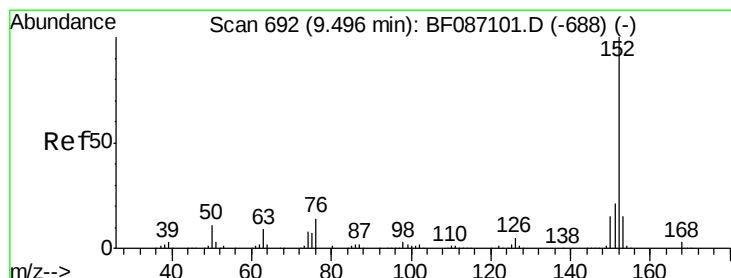
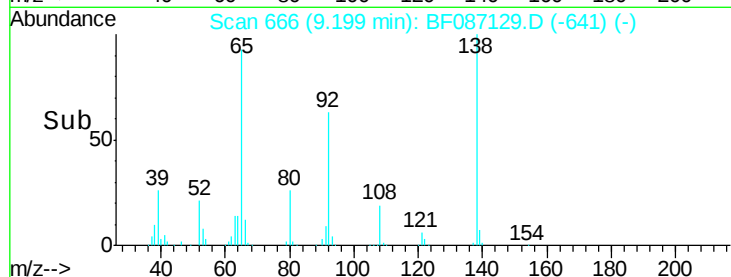
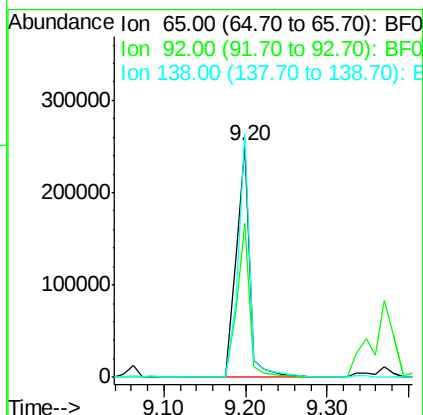
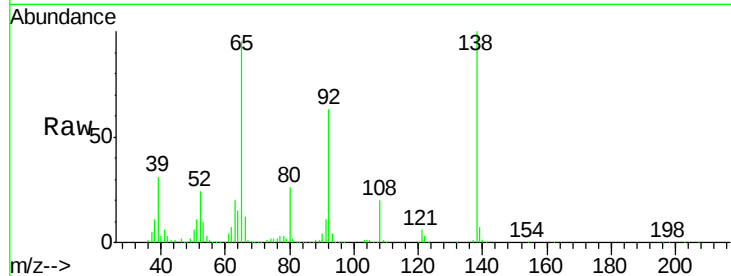




#47
2-Nitroaniline
Concen: 43.65 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

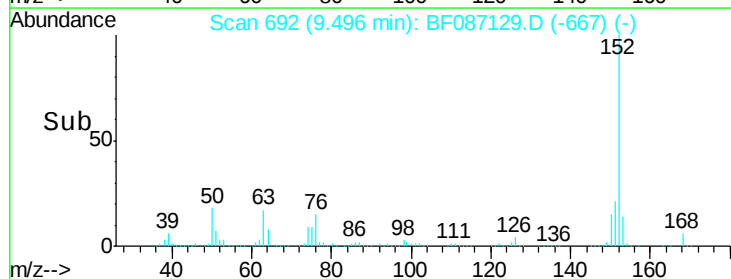
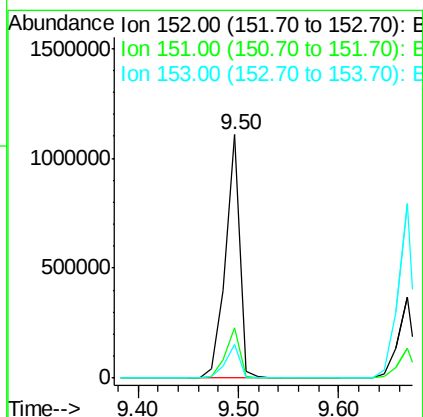
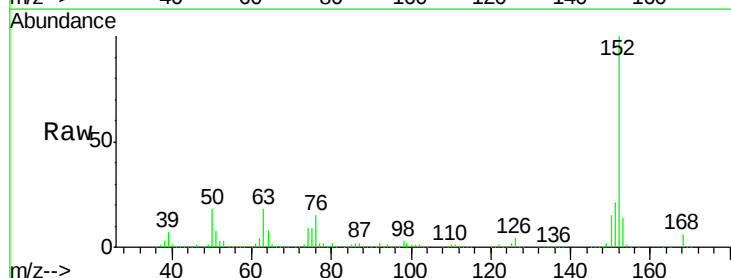
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

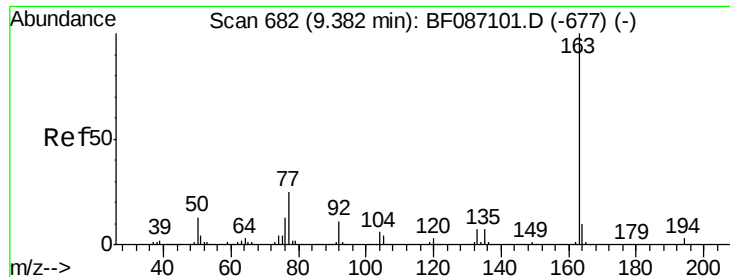
Tgt Ion: 65 Resp: 289778
Ion Ratio Lower Upper
65 100
92 66.6 57.4 86.2
138 105.5 90.1 135.1



#48
Acenaphthylene
Concen: 41.07 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion: 152 Resp: 1086453
Ion Ratio Lower Upper
152 100
151 20.8 16.8 25.2
153 13.9 10.9 16.3





#49

Dimethylphthalate

Concen: 50.53 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

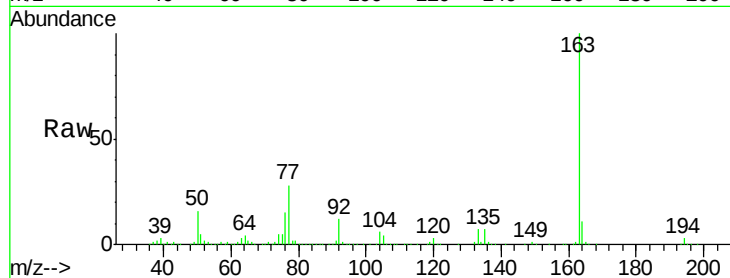
Tgt Ion:163 Resp: 1049008

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

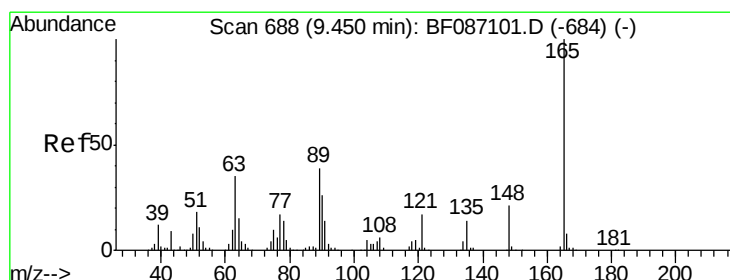
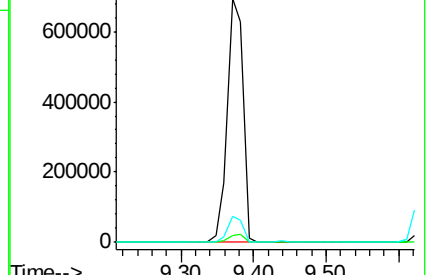
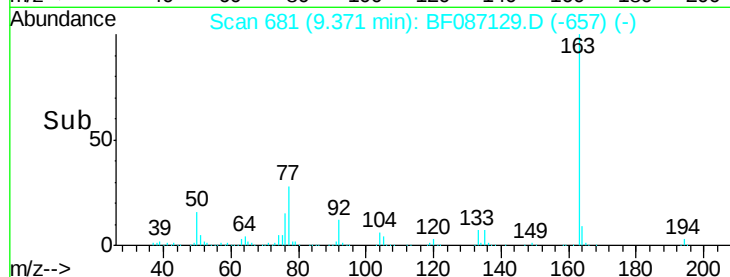
164 10.5 8.2 12.4



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: 40.87 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

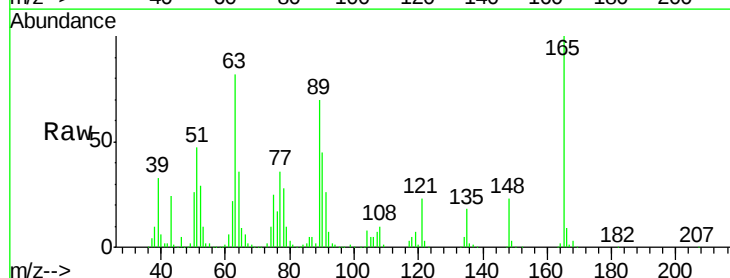
Tgt Ion:165 Resp: 184254

Ion Ratio Lower Upper

165 100

63 82.0 51.8 77.8#

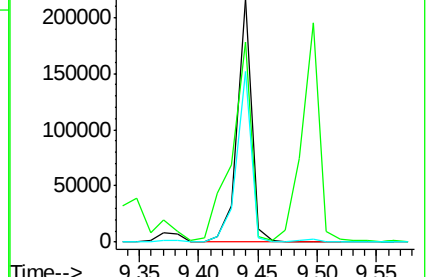
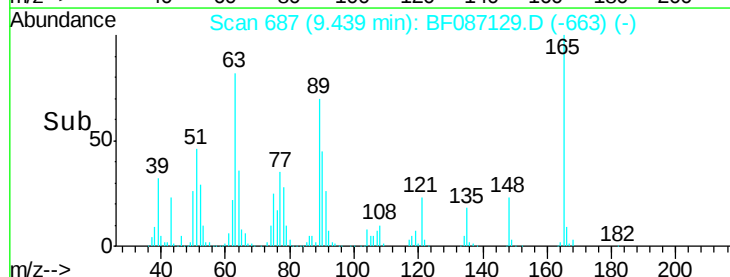
89 69.9 50.7 76.1

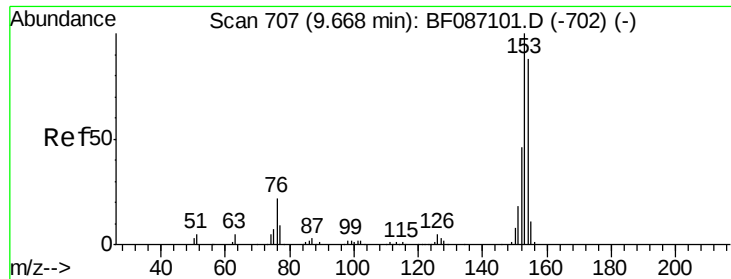


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.44 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

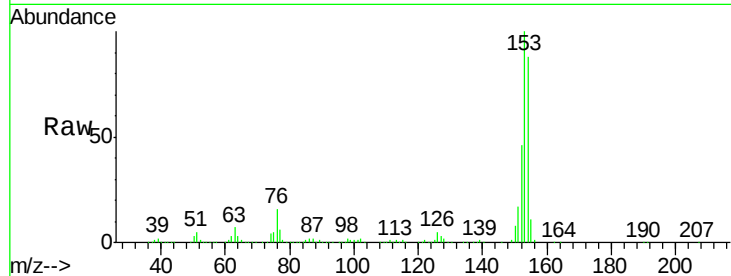
Tgt Ion:154 Resp: 701435

Ion Ratio Lower Upper

154 100

153 113.7 89.8 134.6

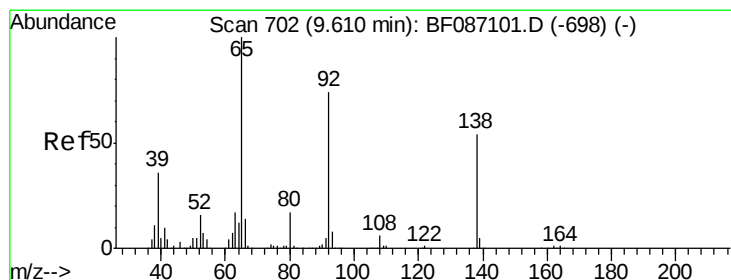
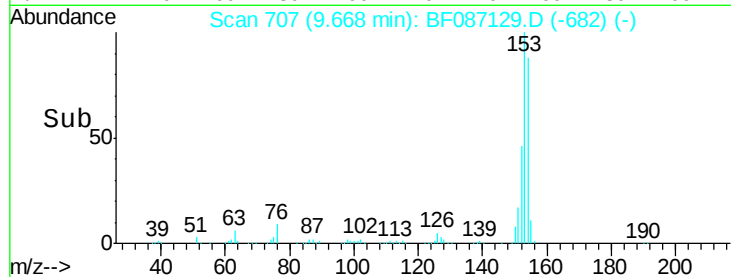
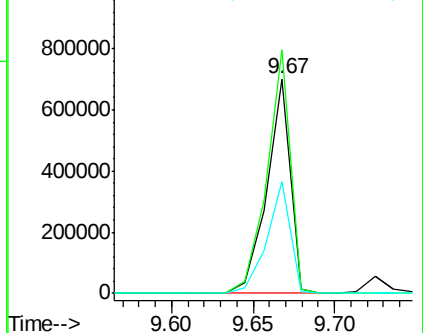
152 52.4 43.4 65.0



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: 20.90 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

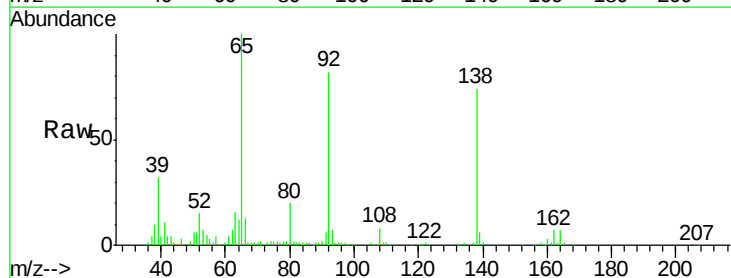
Tgt Ion:138 Resp: 102008

Ion Ratio Lower Upper

138 100

108 10.7 7.8 11.6

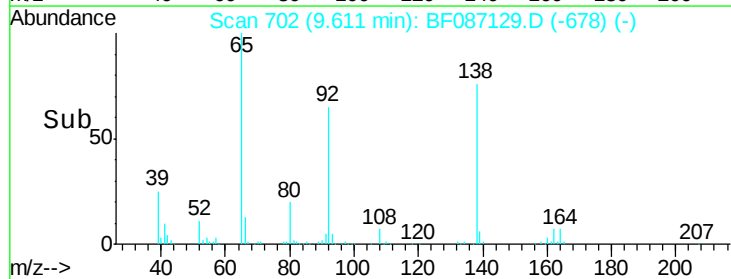
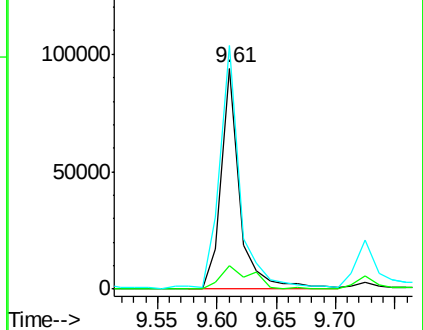
92 110.3 87.8 131.8

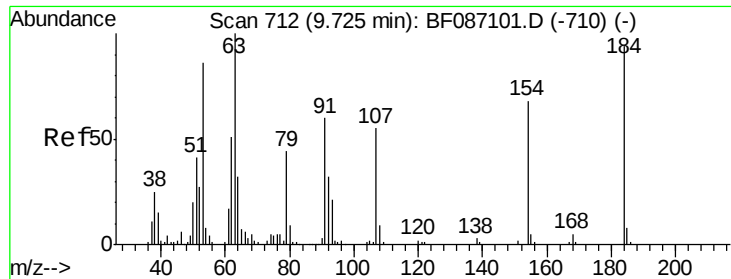


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

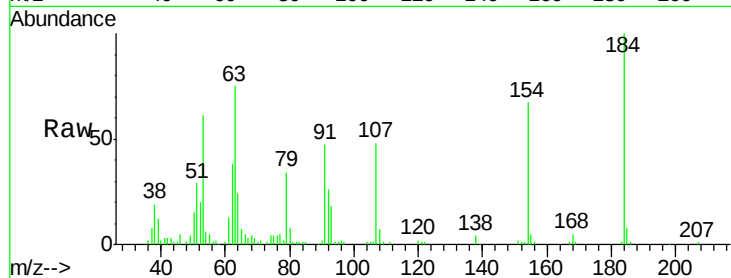




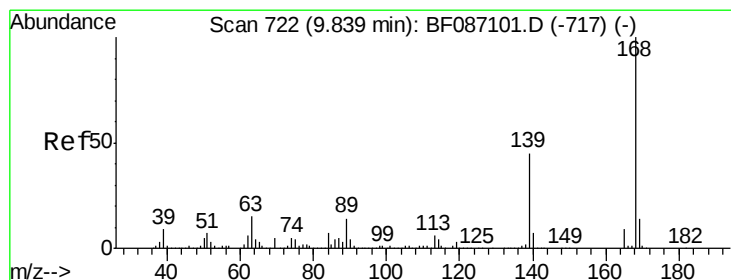
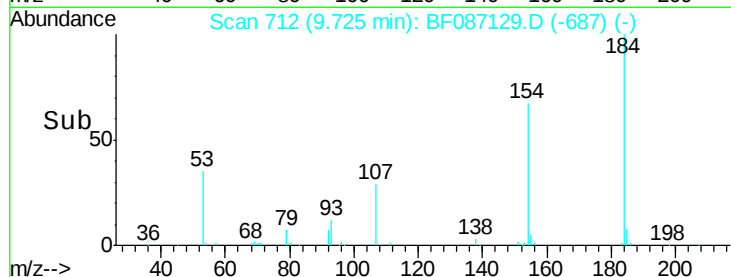
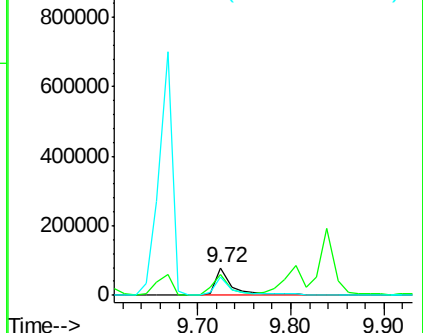
#53
 2,4-Dinitrophenol
 Concen: 44.15 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

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

Tgt Ion	Ratio	Lower	Upper
184	100		
63	75.0	55.8	83.8
154	67.3	62.4	93.6

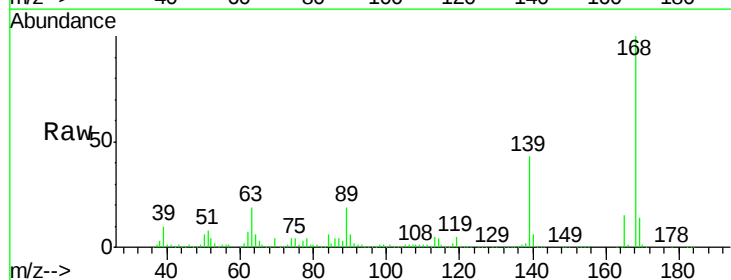


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

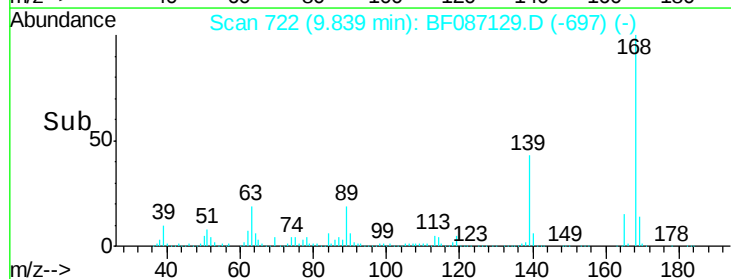
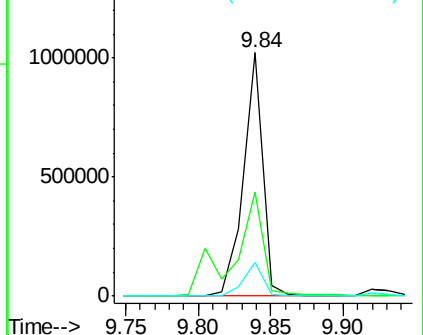


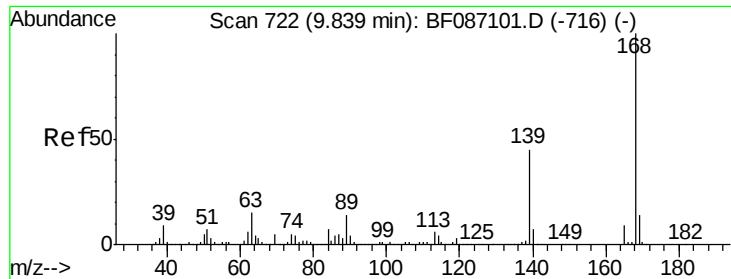
#54
 Dibenzofuran
 Concen: 44.11 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.7	31.4	47.0
169	13.8	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: 127.34 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

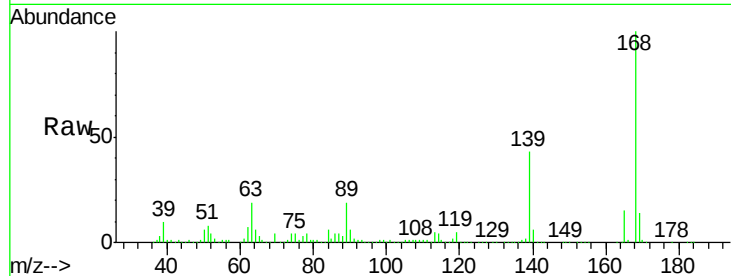
Tgt Ion:139 Resp: 651229

Ion Ratio Lower Upper

139 100

109 3.4 36.9 76.9#

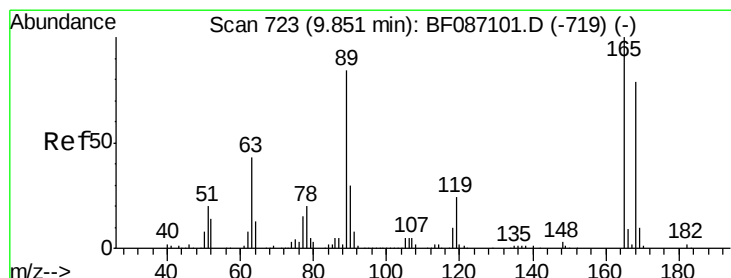
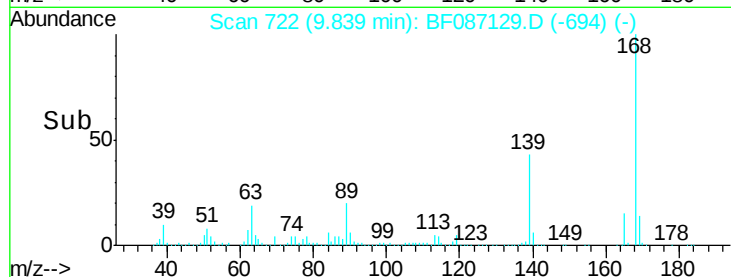
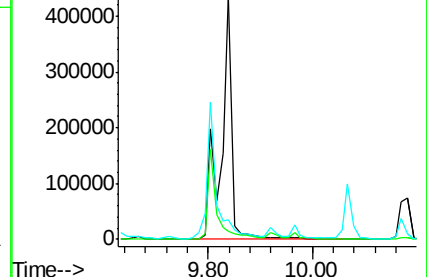
65 8.0 64.0 104.0#



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: 37.82 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Tgt Ion:165 Resp: 218347

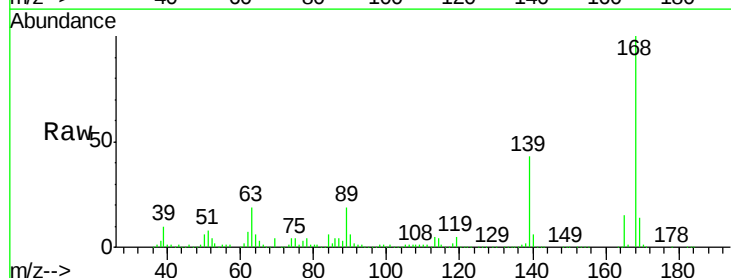
Ion Ratio Lower Upper

165 100

63 123.2 44.3 66.5#

89 126.8 70.0 105.0#

182 2.2 1.8 2.6

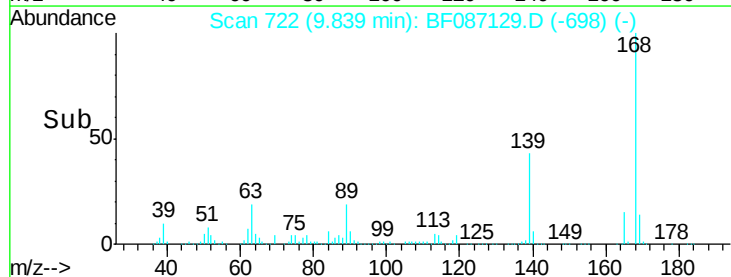
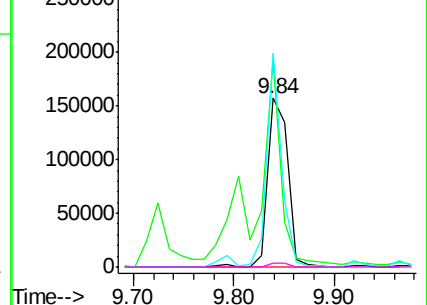


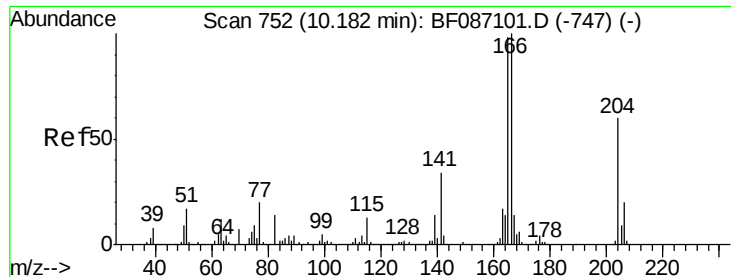
Abundance Ion 165.00 (164.70 to 165.70): E

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: 44.37 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

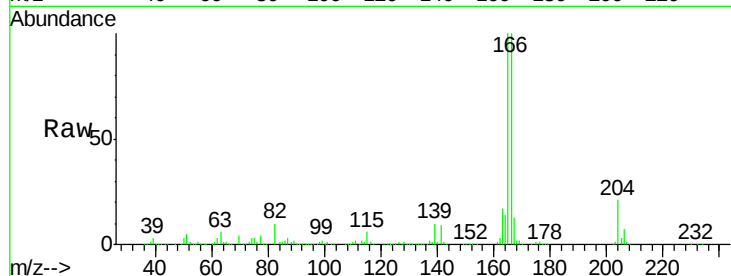
Tgt Ion:166 Resp: 761855

Ion Ratio Lower Upper

166 100

165 99.7 79.0 118.6

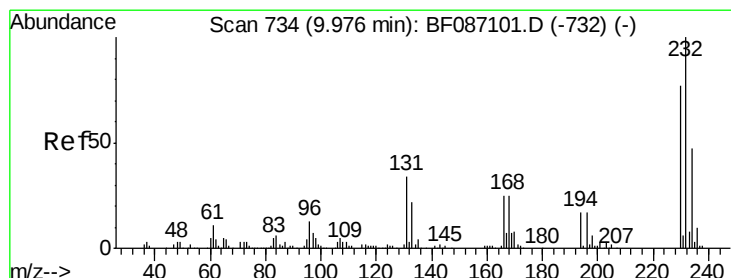
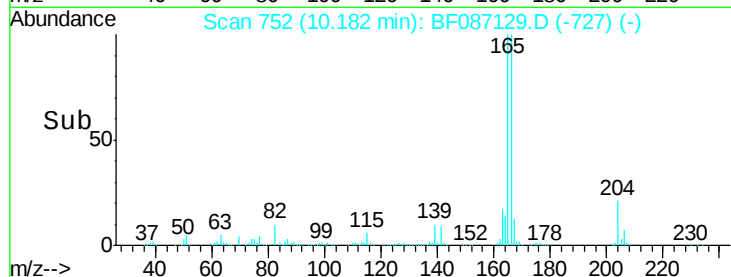
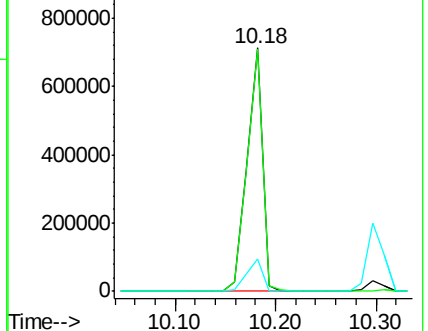
167 13.1 10.6 15.8



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: 42.99 ng

RT: 9.96 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Tgt Ion:232 Resp: 179301

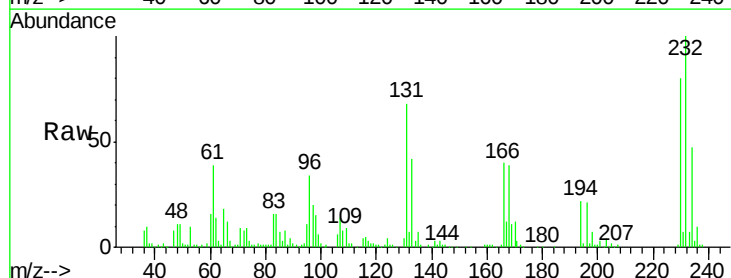
Ion Ratio Lower Upper

232 100

131 56.1 41.9 62.9

130 2.8 2.2 3.4

166 31.6 26.8 40.2

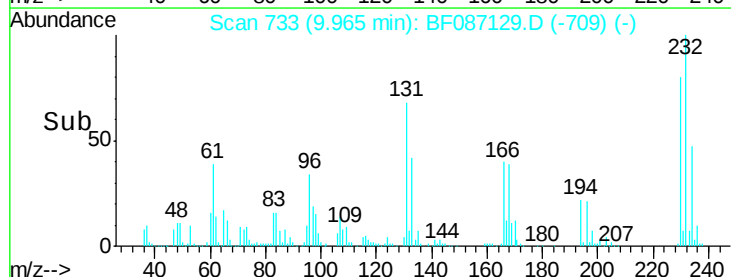
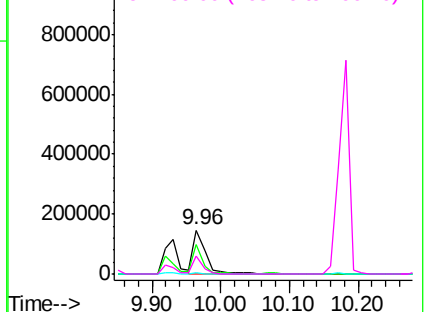


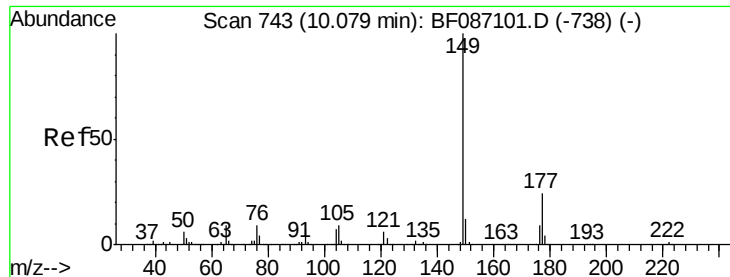
Abundance Ion 232.00 (231.70 to 232.70): E

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

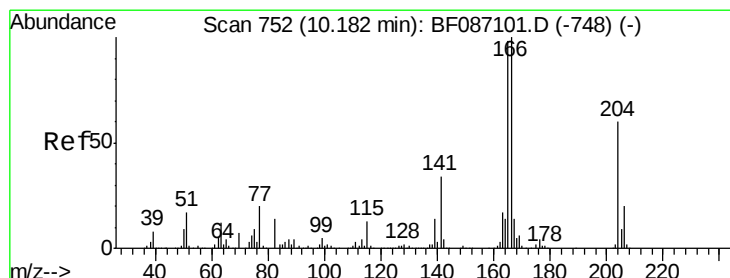
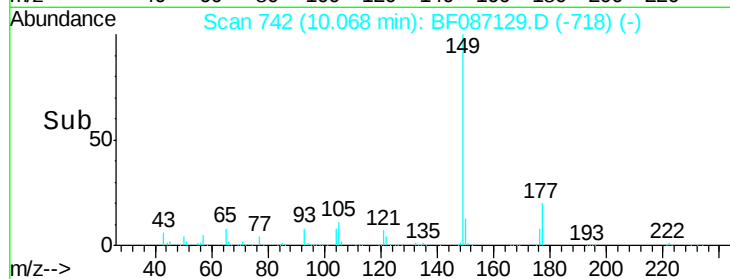
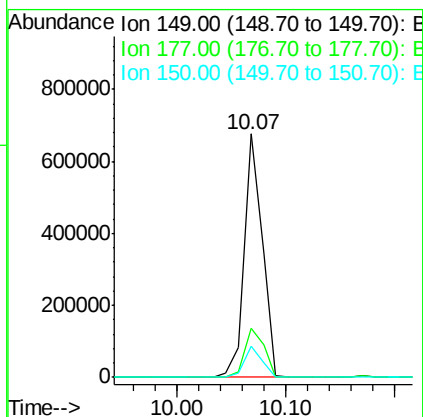
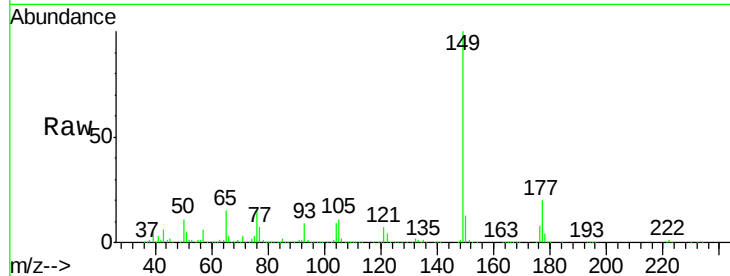




#59
Diethylphthalate
Concen: 38.80 ng
RT: 10.07 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

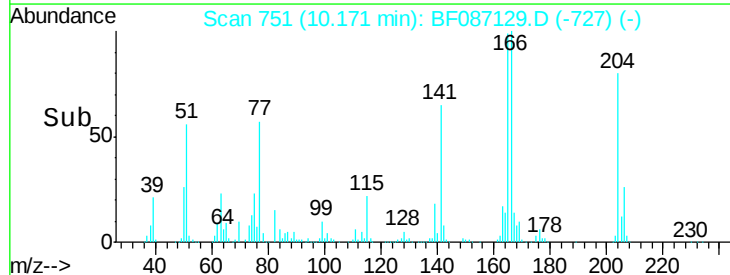
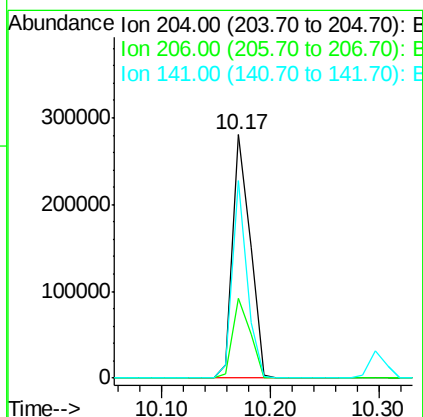
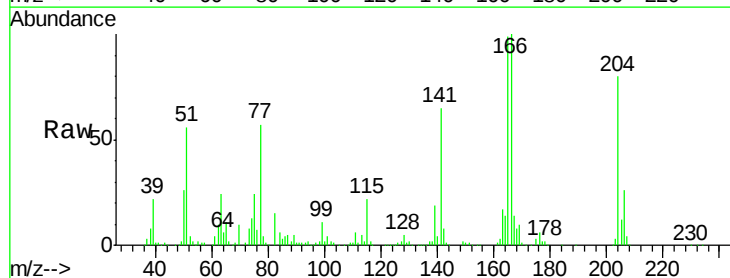
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

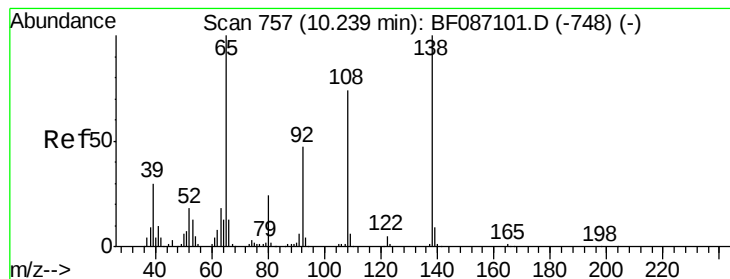
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.3	16.6	24.8
150	13.0	10.0	15.0



#60
4-Chlorophenyl-phenylether
Concen: 38.17 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.4	38.0
141	81.2	61.6	92.4





#61

4-Nitroaniline

Concen: 37.73 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

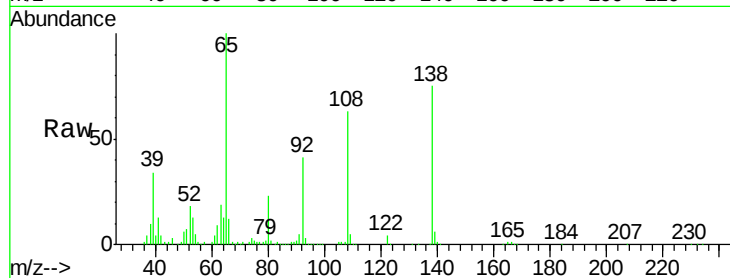
Tgt Ion: 138 Resp: 181806

Ion Ratio Lower Upper

138 100

92 54.0 24.7 64.7

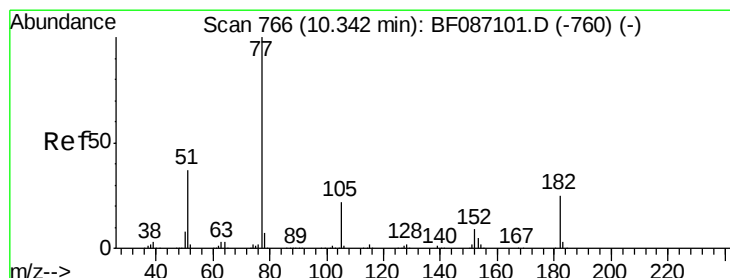
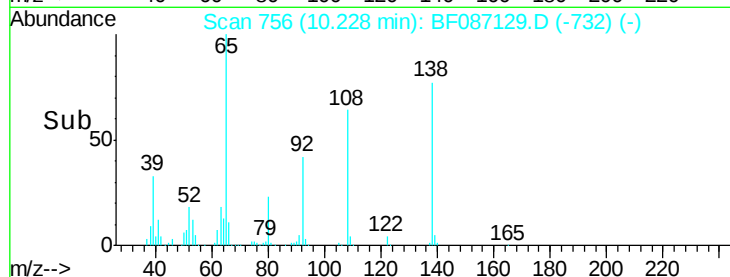
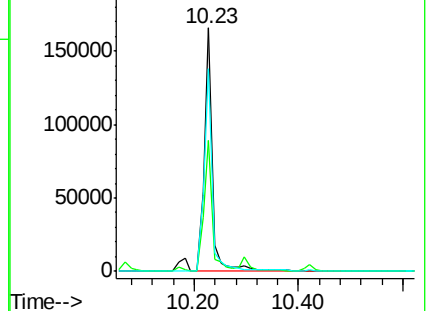
108 83.3 37.4 77.4#



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: 39.45 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Tgt Ion: 77 Resp: 901043

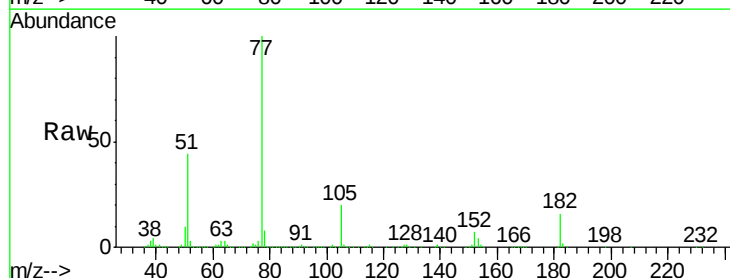
Ion Ratio Lower Upper

77 100

182 16.3 0.0 38.8

105 19.7 3.2 43.2

51 44.4 8.8 48.8

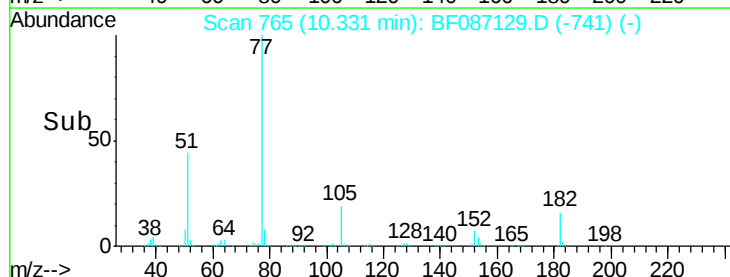
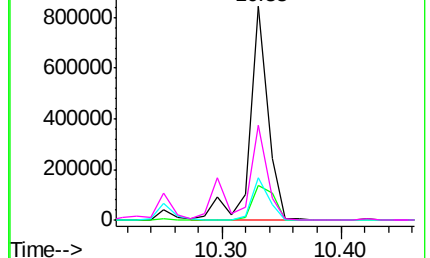


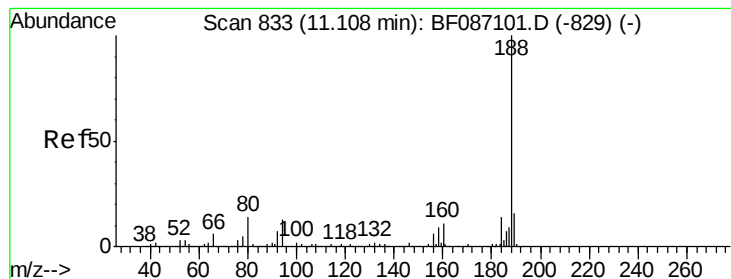
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

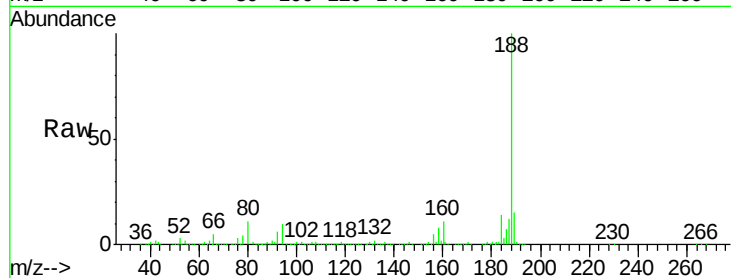
Tgt Ion:188 Resp: 486958

Ion Ratio Lower Upper

188 100

94 10.1 6.8 10.2

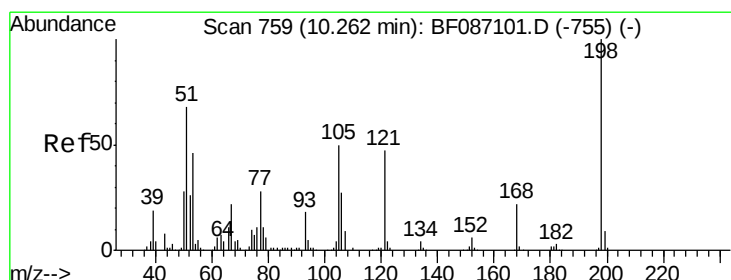
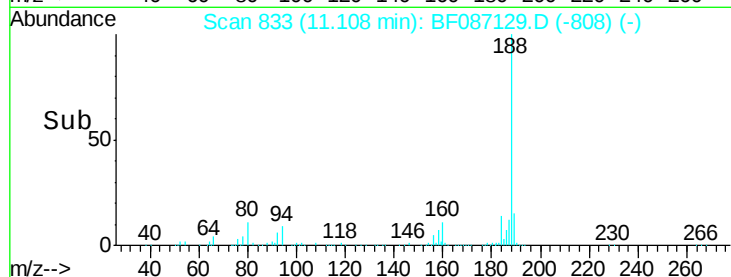
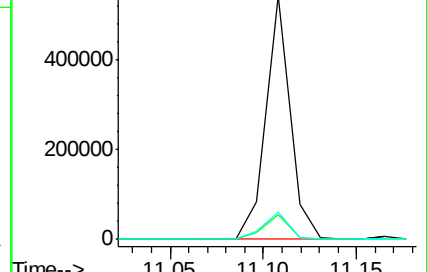
80 11.0 7.1 10.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 38.44 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

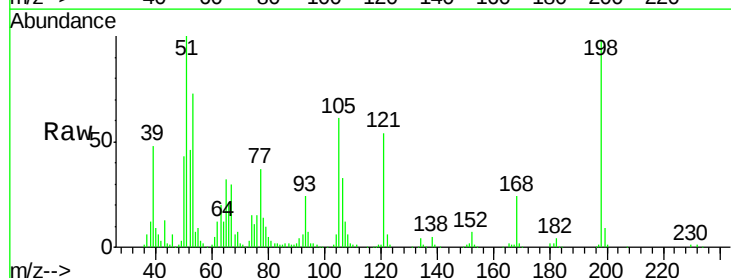
Tgt Ion:198 Resp: 123284

Ion Ratio Lower Upper

198 100

51 102.2 20.5 60.5#

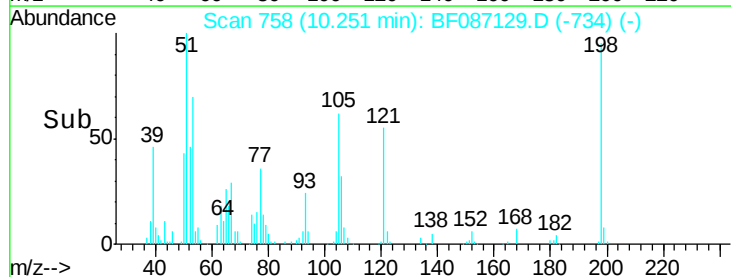
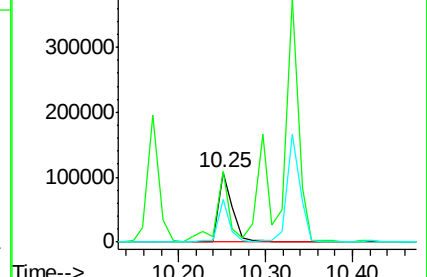
105 62.3 24.5 64.5

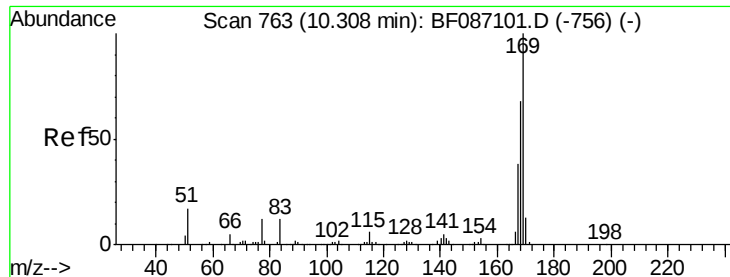


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 39.93 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

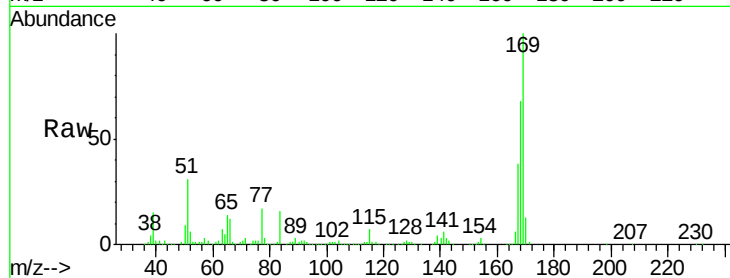
Tgt Ion:169 Resp: 611861

Ion Ratio Lower Upper

169 100

168 68.1 53.8 80.6

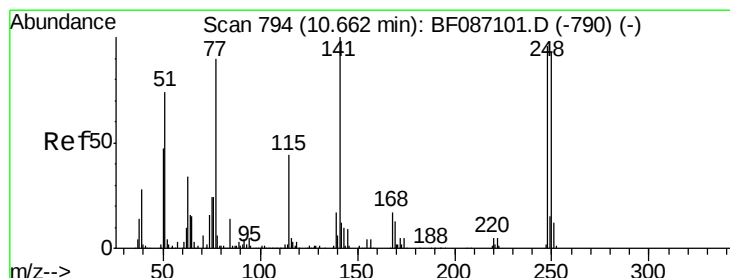
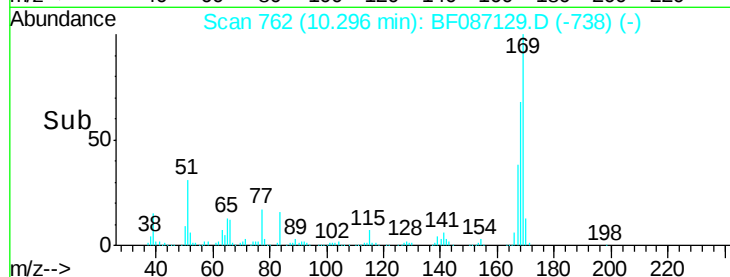
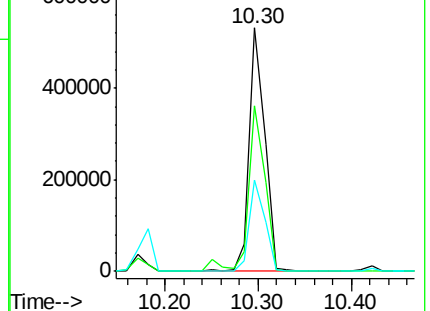
167 37.6 29.5 44.3



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: 43.71 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

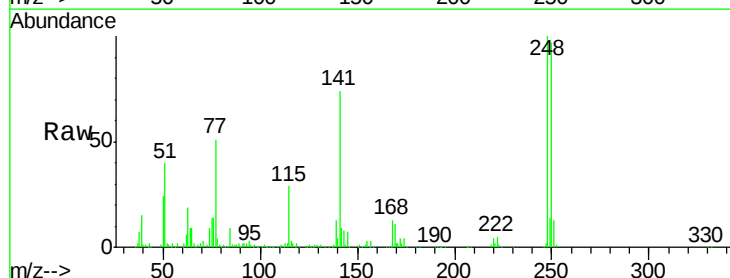
Tgt Ion:248 Resp: 218880

Ion Ratio Lower Upper

248 100

250 96.7 78.6 117.8

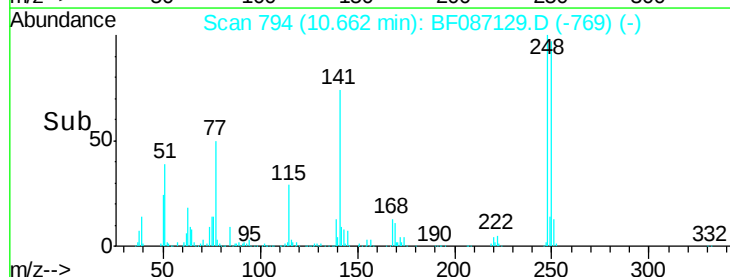
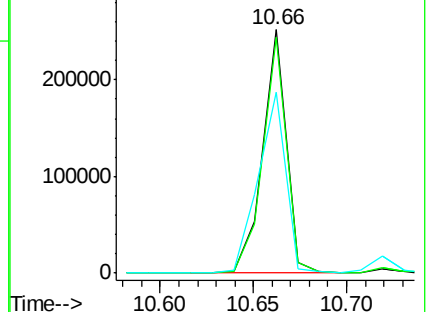
141 74.4 76.0 114.0#

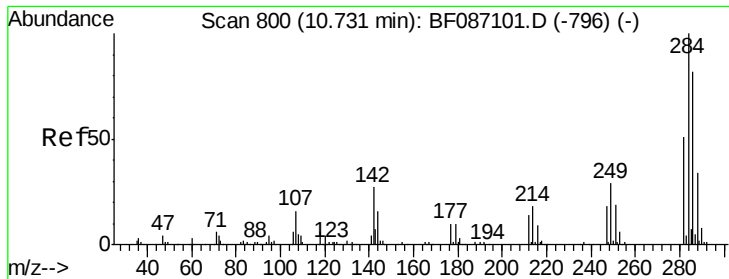


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

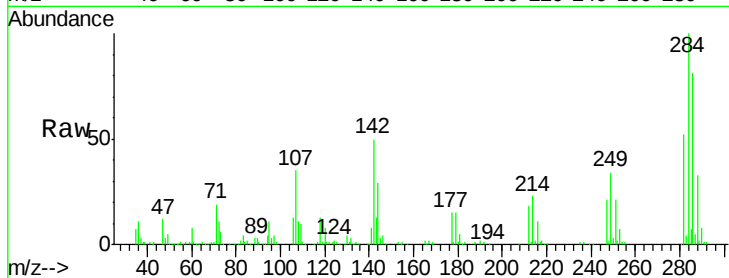




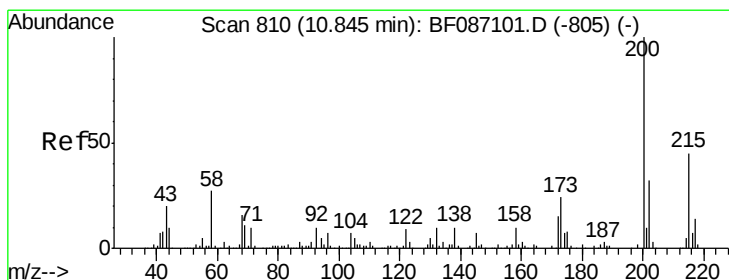
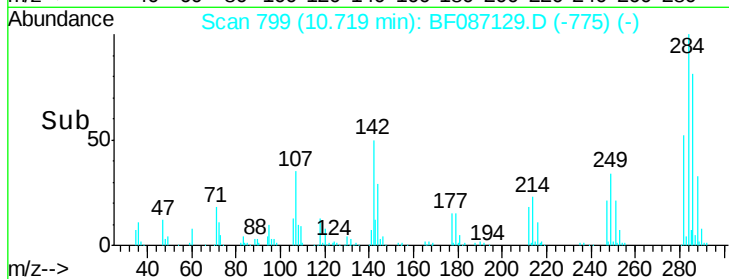
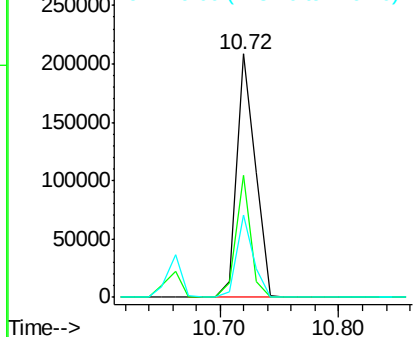
#67
Hexachlorobenzene
Concen: 39.12 ng
RT: 10.72 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

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

Tgt Ion:284 Resp: 227137
Ion Ratio Lower Upper
284 100
142 50.0 16.7 25.1#
249 33.7 21.3 31.9#

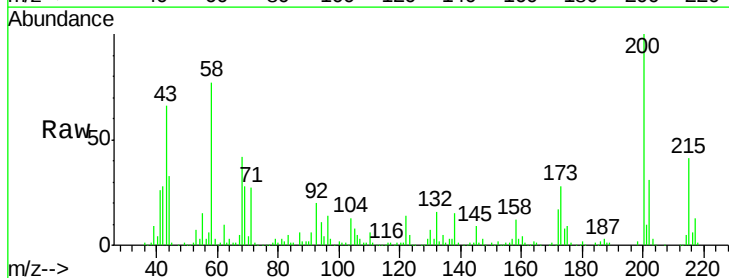


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

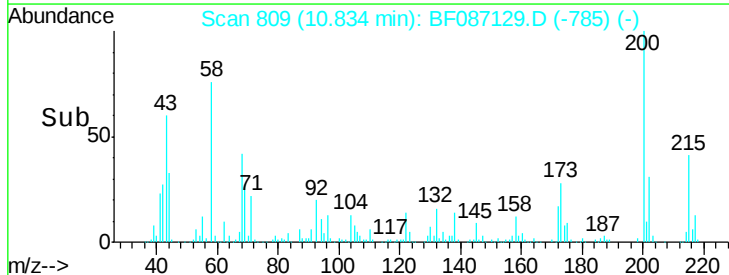
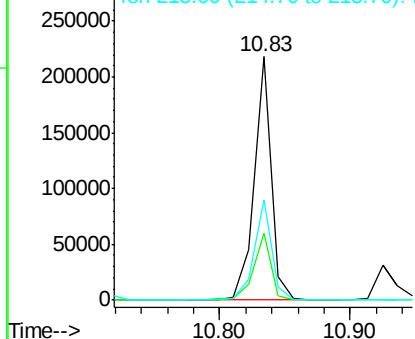


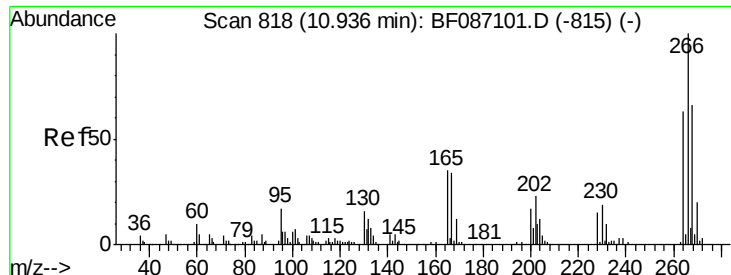
#68
Atrazine
Concen: 39.75 ng
RT: 10.83 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion:200 Resp: 198734
Ion Ratio Lower Upper
200 100
173 27.5 8.5 48.5
215 41.1 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

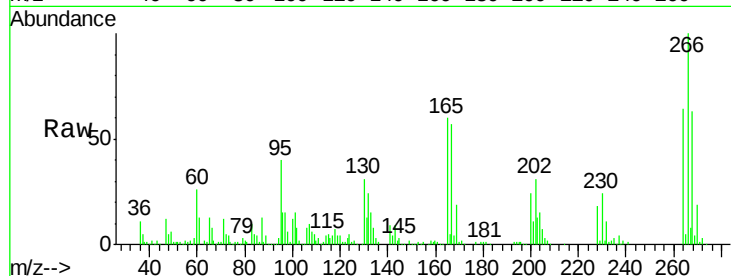




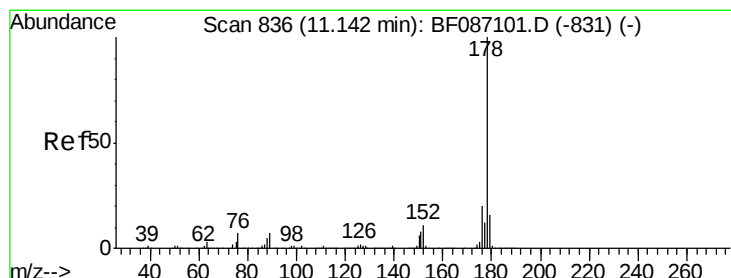
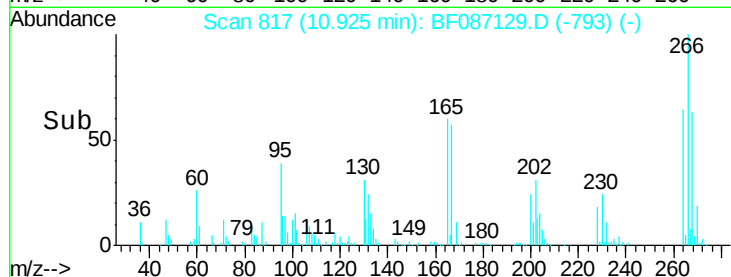
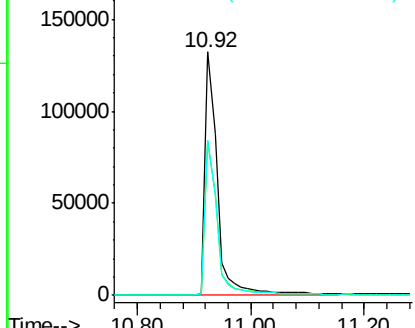
#69
 Pentachlorophenol
 Concen: 89.68 ng
 RT: 10.92 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

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

Tgt Ion: 266 Resp: 195598
 Ion Ratio Lower Upper
 266 100
 268 63.1 51.5 77.3
 264 63.6 52.9 79.3

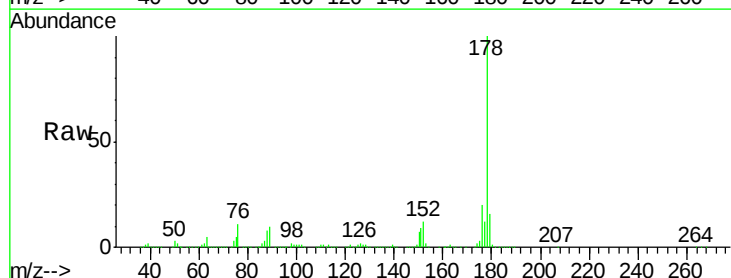


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

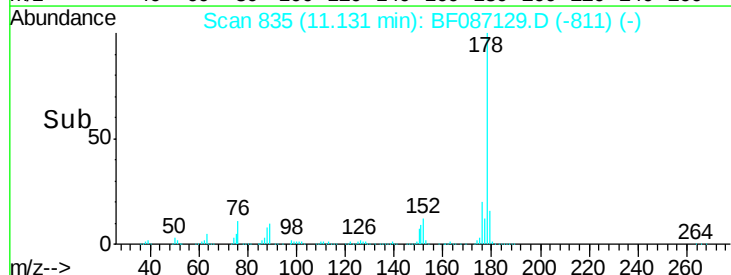
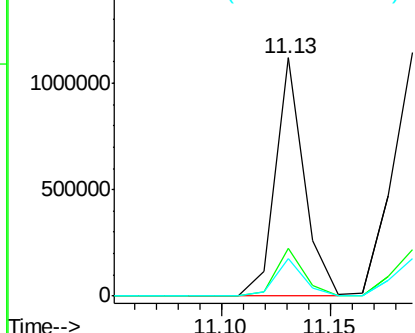


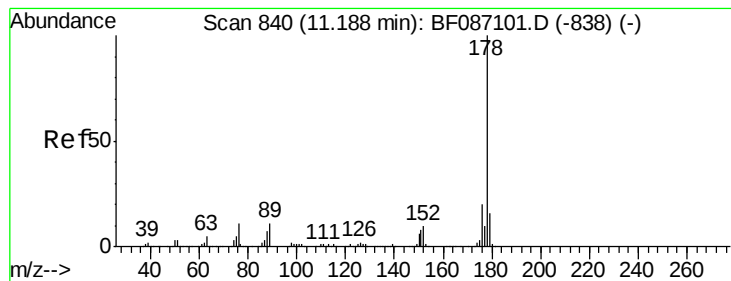
#70
 Phenanthrene
 Concen: 39.10 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion: 178 Resp: 1032591
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.0 24.0
 179 16.0 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: 43.50 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

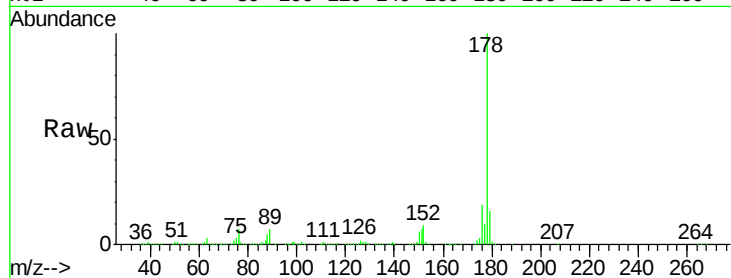
Tgt Ion:178 Resp: 1161969

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

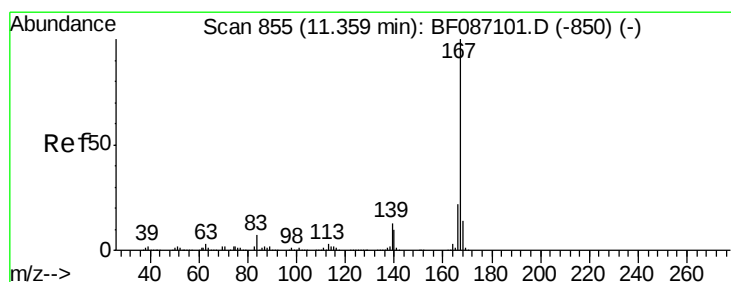
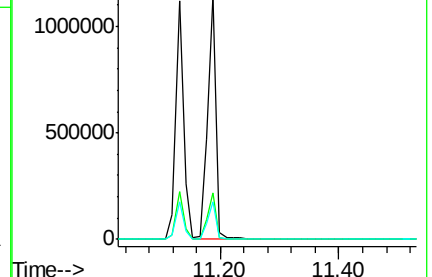
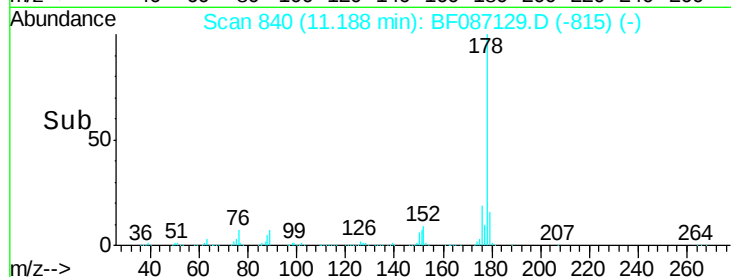
179 15.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 38.61 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

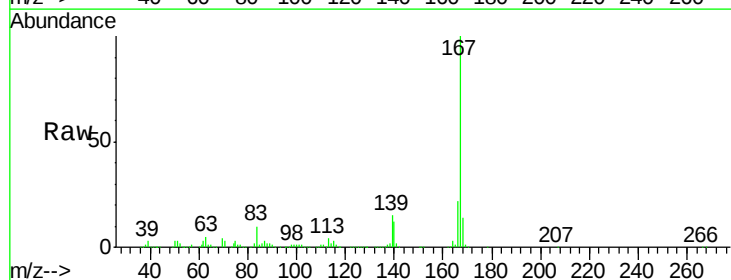
Tgt Ion:167 Resp: 942170

Ion Ratio Lower Upper

167 100

166 22.4 17.7 26.5

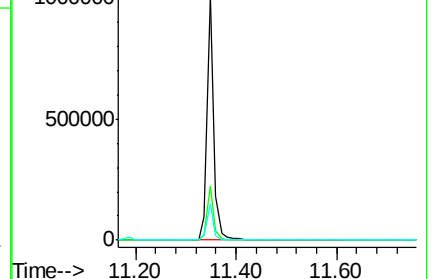
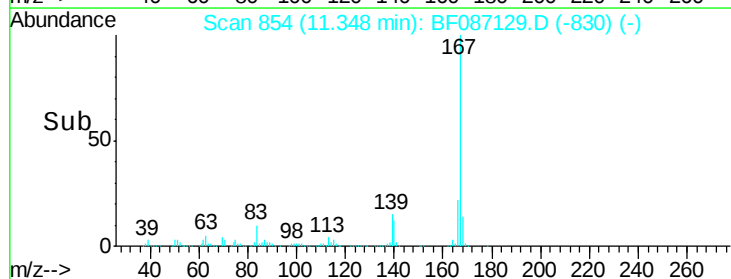
139 15.0 10.8 16.2

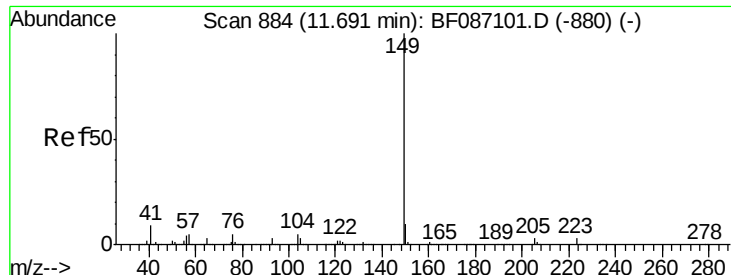


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 40.99 ng

RT: 11.68 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

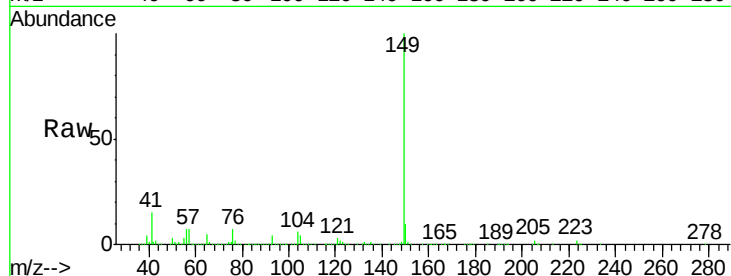
Tgt Ion:149 Resp: 1148867

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

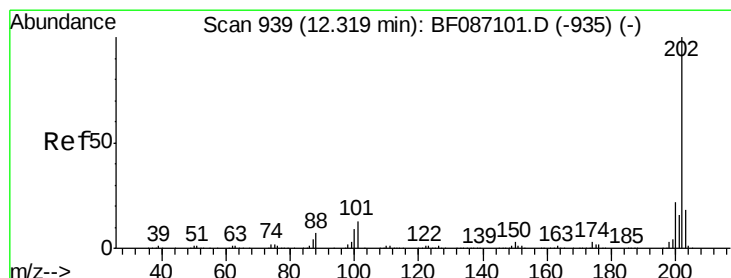
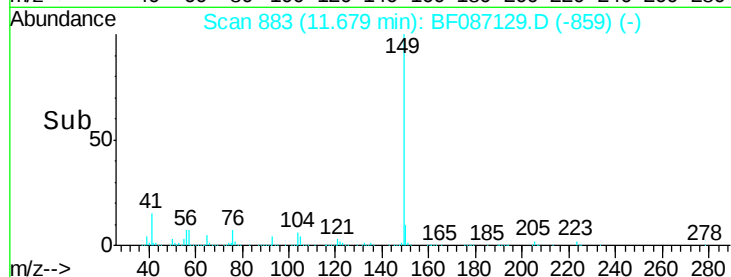
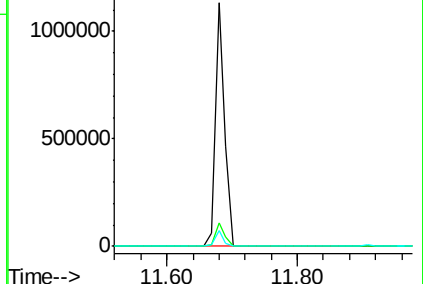
104 6.4 3.8 5.6#



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: 41.98 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

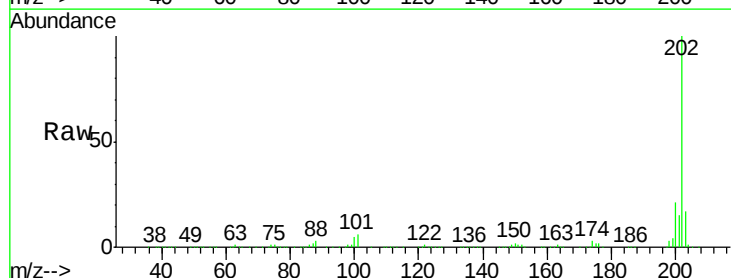
Tgt Ion:202 Resp: 1110932

Ion Ratio Lower Upper

202 100

101 6.3 0.0 35.4

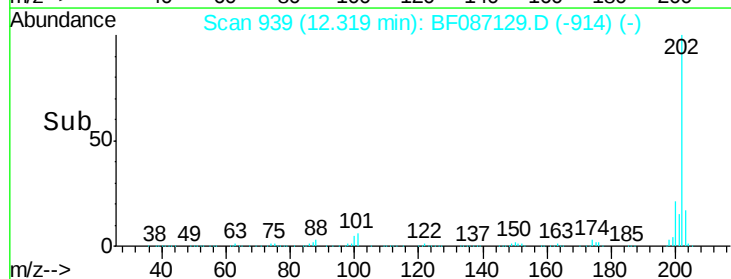
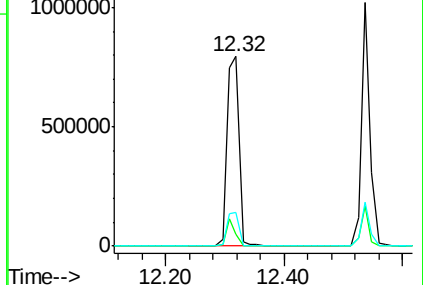
203 17.5 0.0 38.1

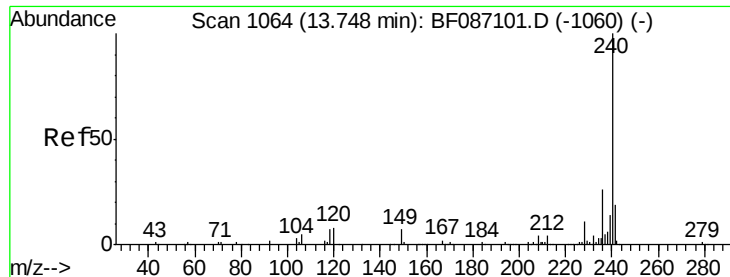


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

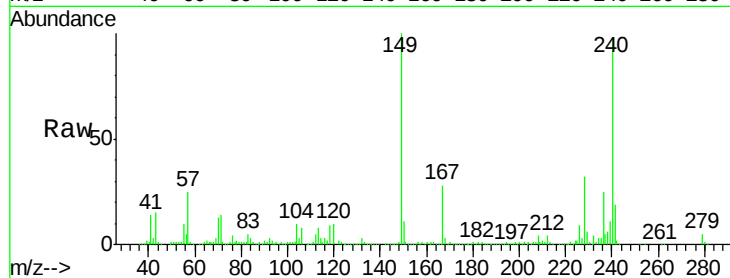
Tgt Ion:240 Resp: 331916

Ion Ratio Lower Upper

240 100

120 10.2 11.2 16.8#

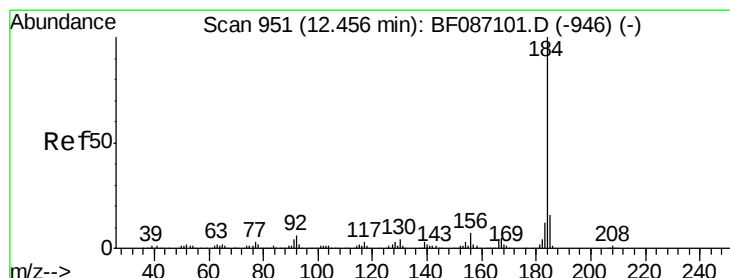
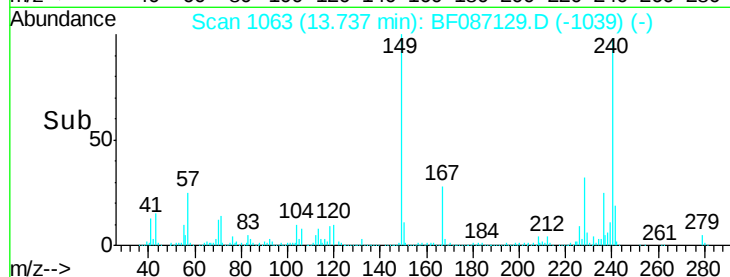
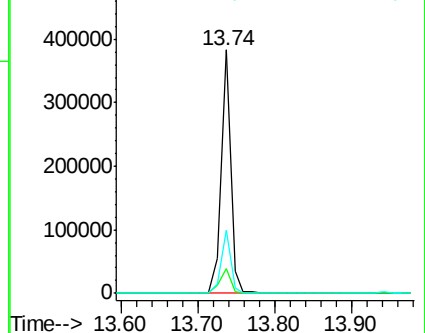
236 25.9 21.2 31.8



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: 11.64 ng

RT: 12.45 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

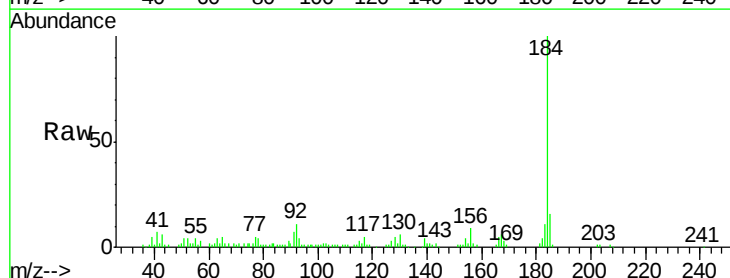
Tgt Ion:184 Resp: 128667

Ion Ratio Lower Upper

184 100

185 15.8 13.6 20.4

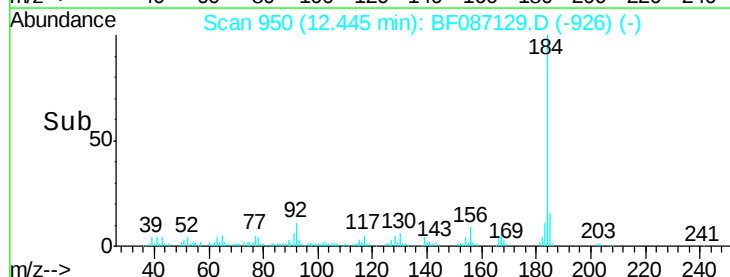
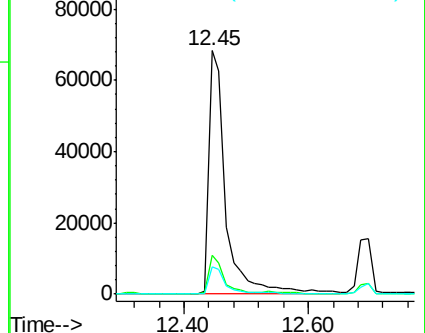
183 11.5 9.8 14.6

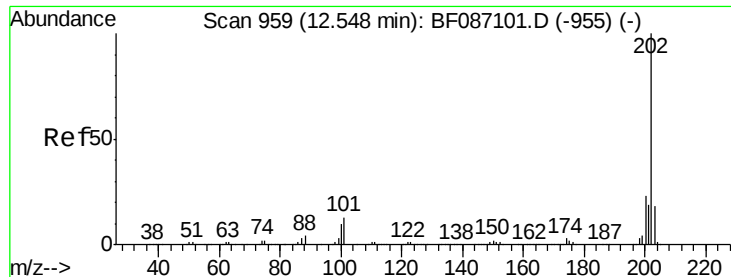


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 42.11 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

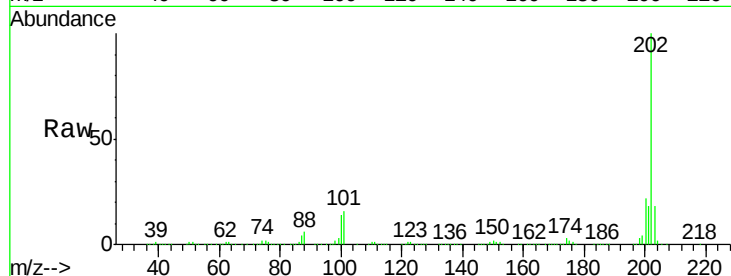
Tgt Ion:202 Resp: 1009776

Ion Ratio Lower Upper

202 100

200 22.5 17.7 26.5

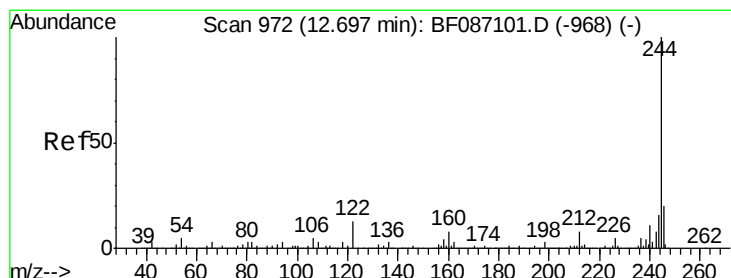
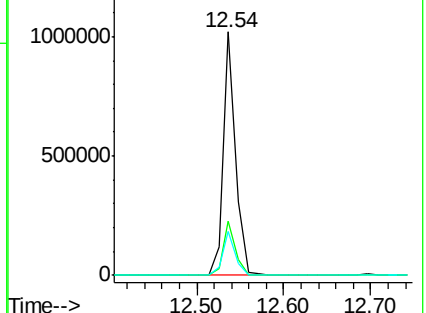
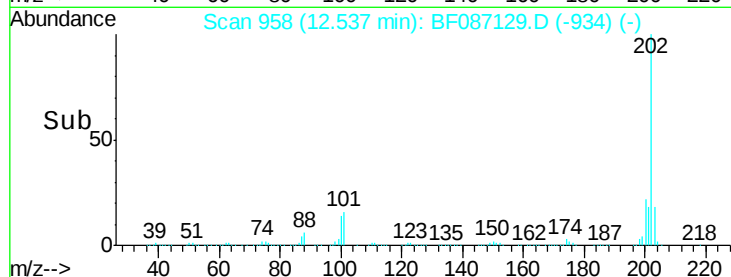
203 18.2 14.2 21.4



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: 98.61 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

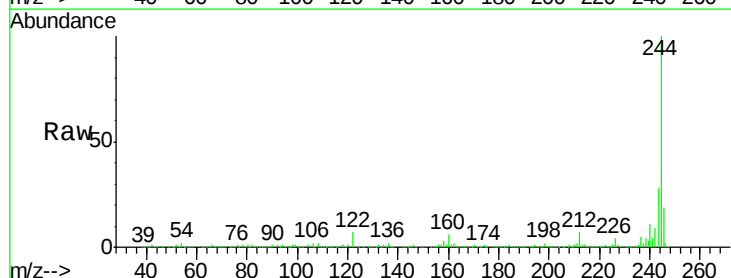
Tgt Ion:244 Resp: 1446849

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

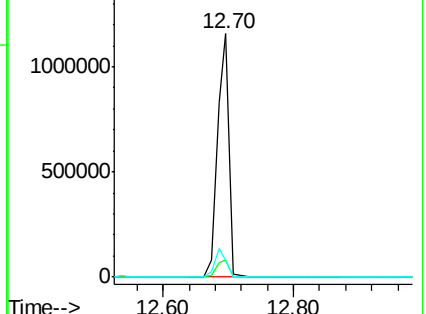
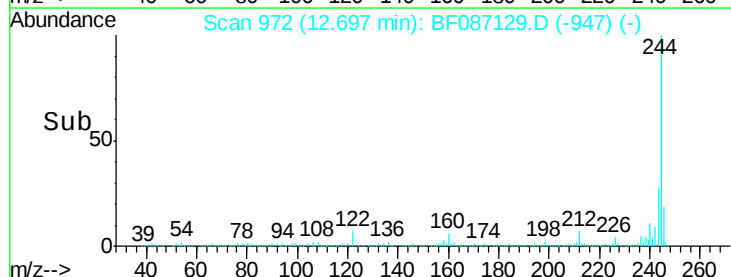
122 7.1 12.0 18.0#



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

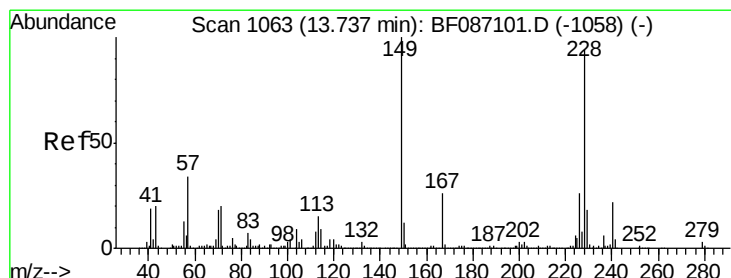
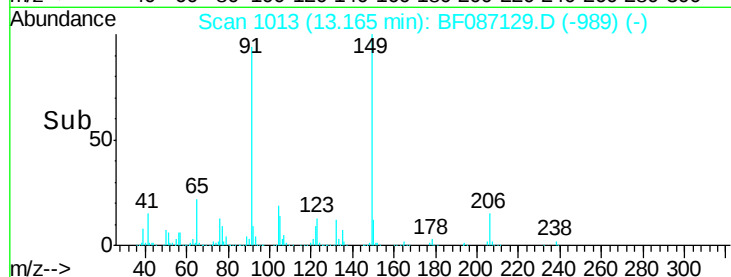
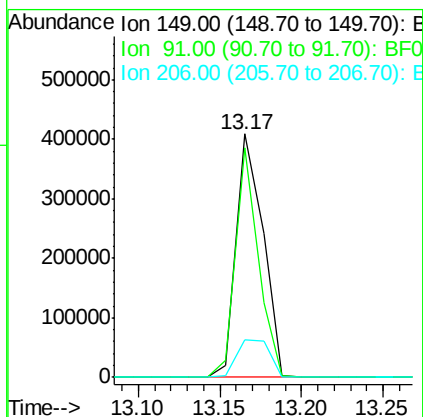
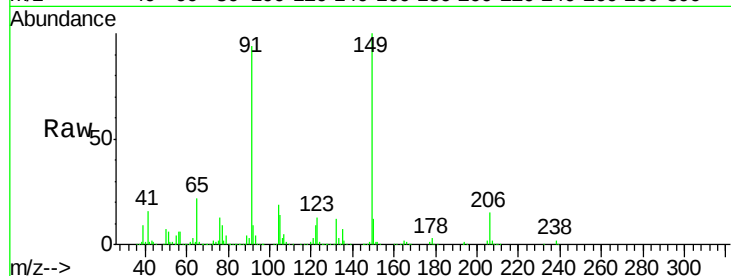




#79
Butylbenzylphthalate
Concen: 45.78 ng
RT: 13.17 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

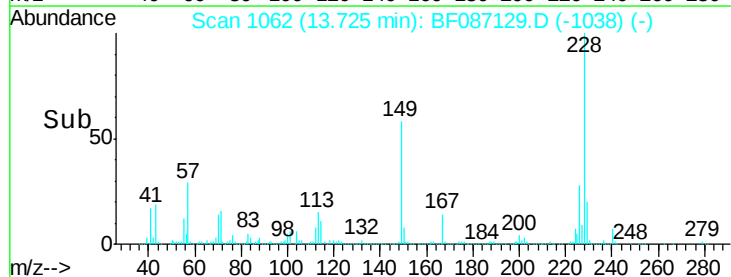
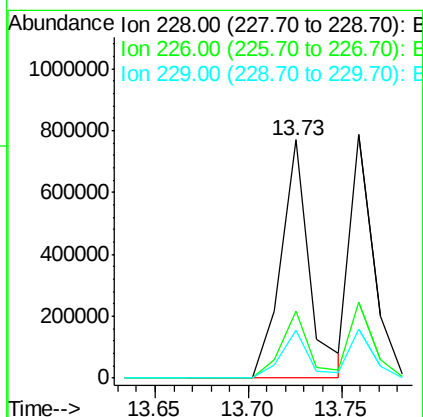
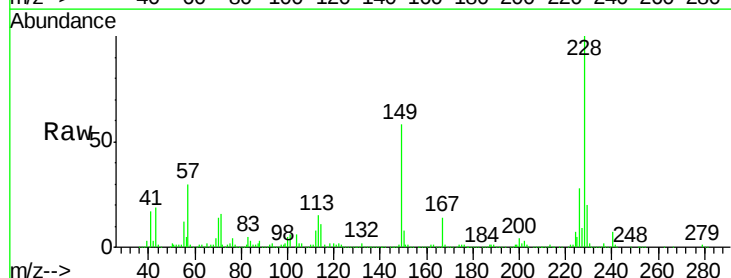
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

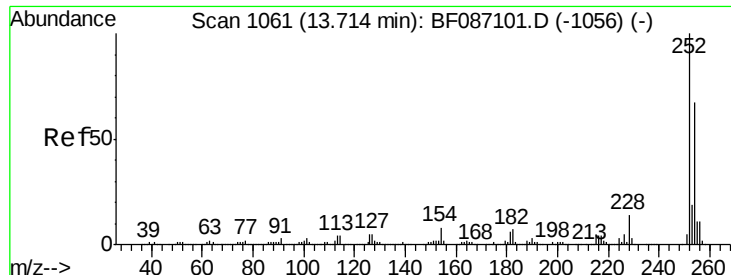
Tgt Ion:149 Resp: 463381
Ion Ratio Lower Upper
149 100
91 94.5 48.0 72.0#
206 15.4 15.8 23.6#



#80
Benzo(a)anthracene
Concen: 42.74 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion:228 Resp: 820177
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 20.0 16.6 25.0

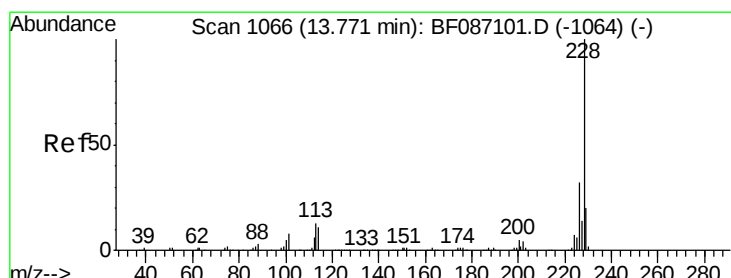
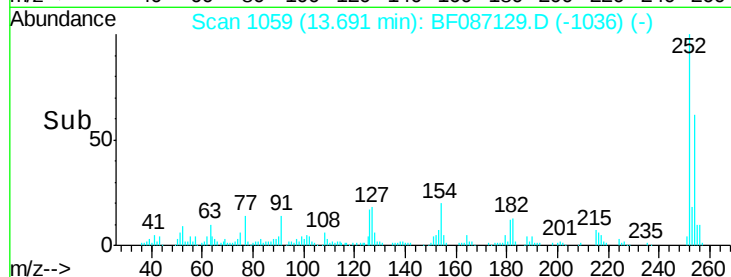
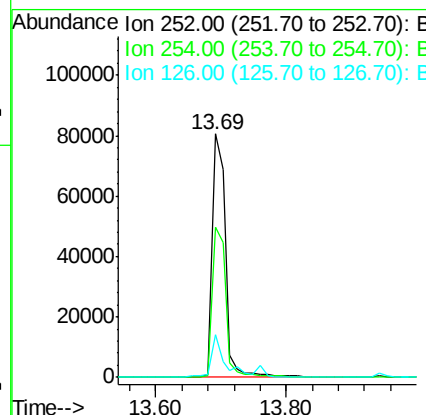
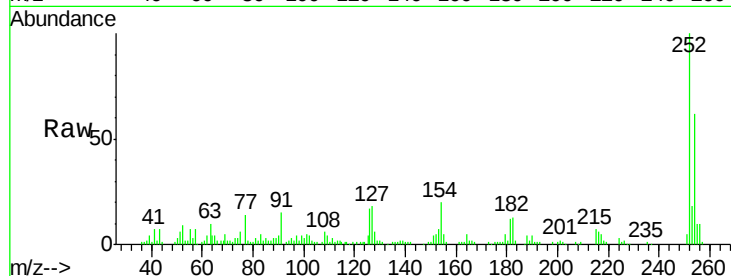




#81
 3,3'-Dichlorobenzidine
 Concen: 9.41 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.03 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

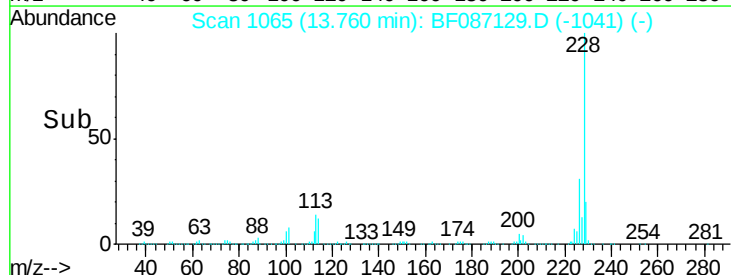
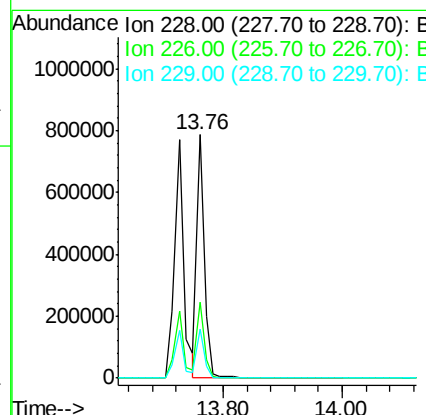
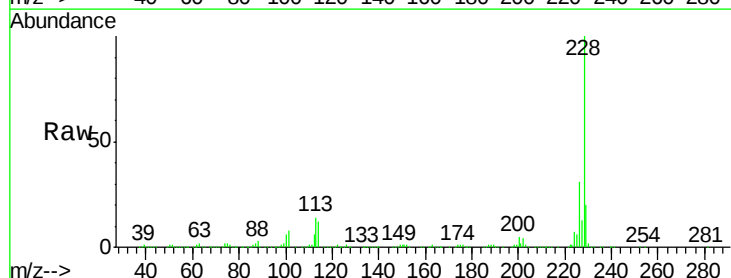
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.6	50.7	76.1
126	17.3	12.7	19.1



#82
 Chrysene
 Concen: 38.00 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	20.4	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 48.48 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

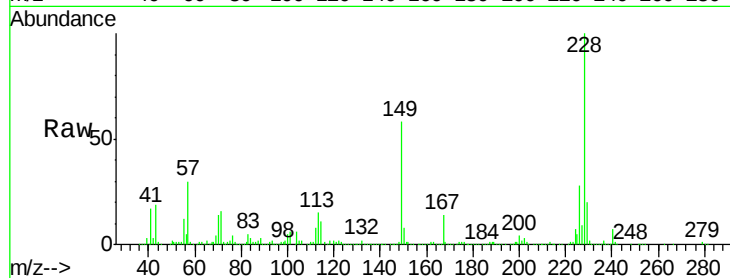
Tgt Ion:149 Resp: 597241

Ion Ratio Lower Upper

149 100

167 23.7 21.8 32.6

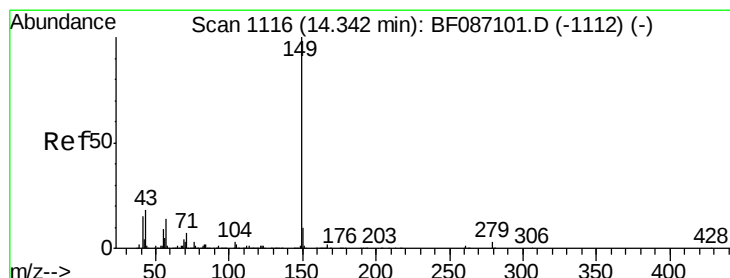
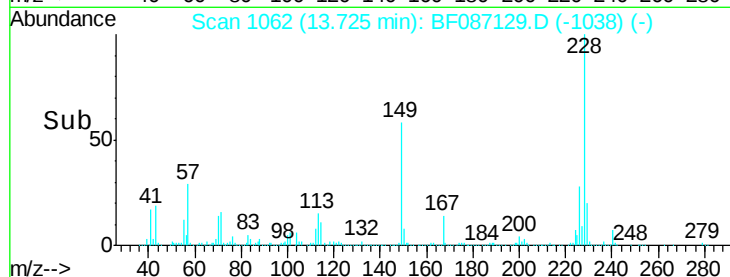
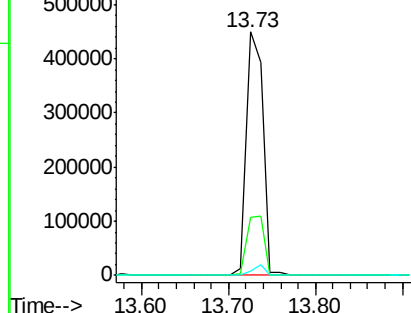
279 1.9 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 49.40 ng

RT: 14.34 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

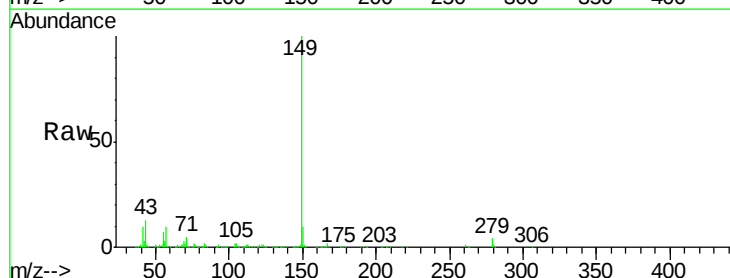
Tgt Ion:149 Resp: 1048332

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

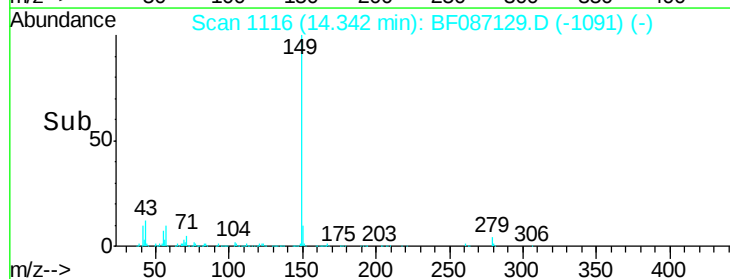
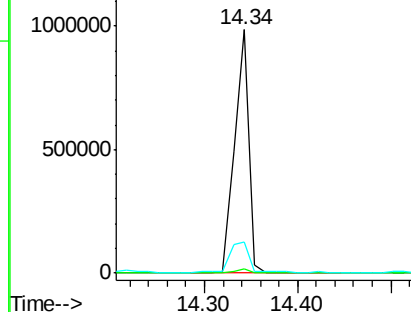
43 16.7 8.2 12.4#

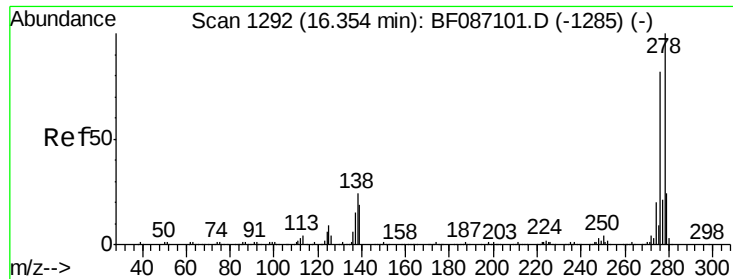


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

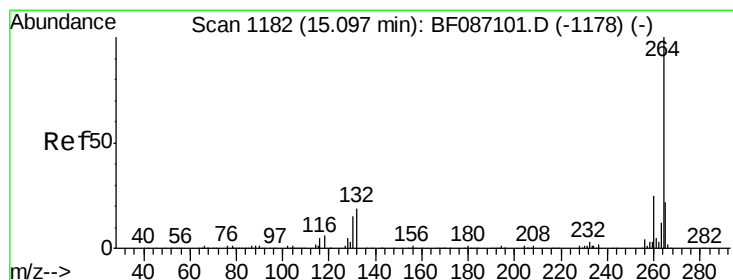
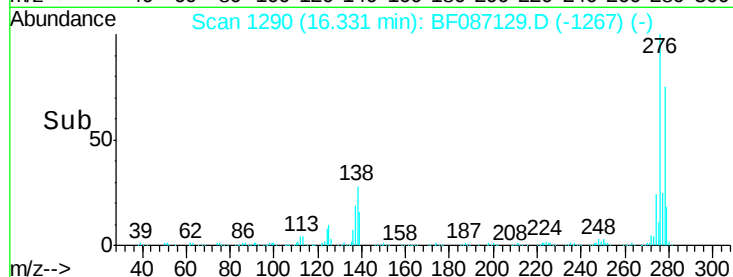
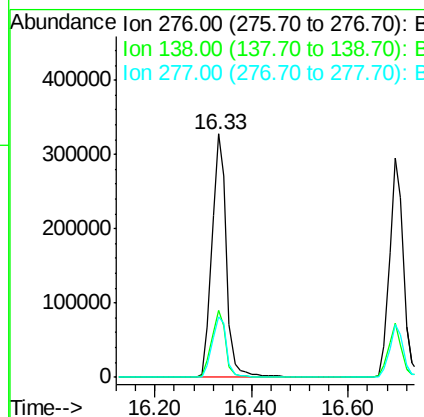
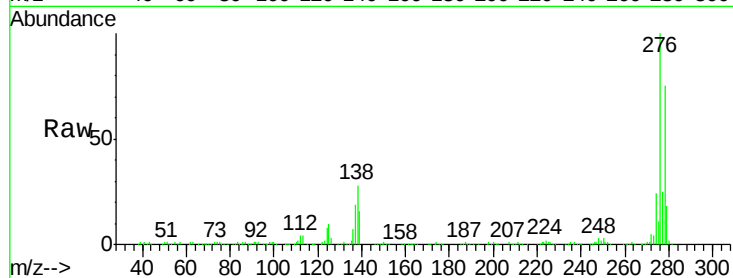




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.08 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.03 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

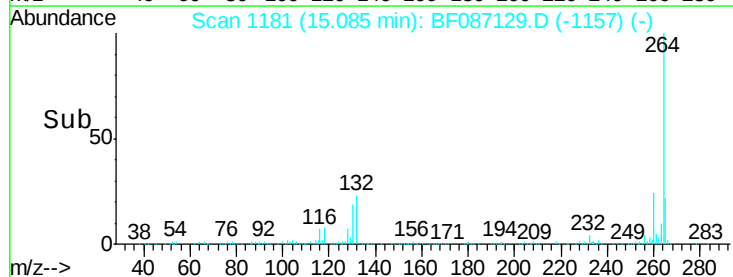
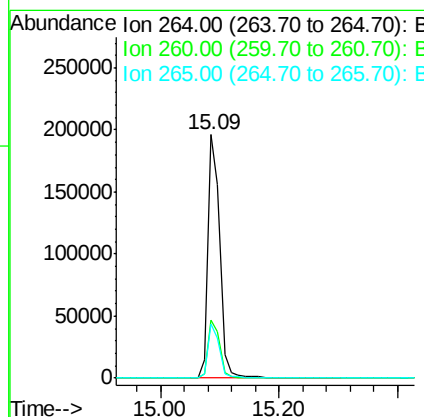
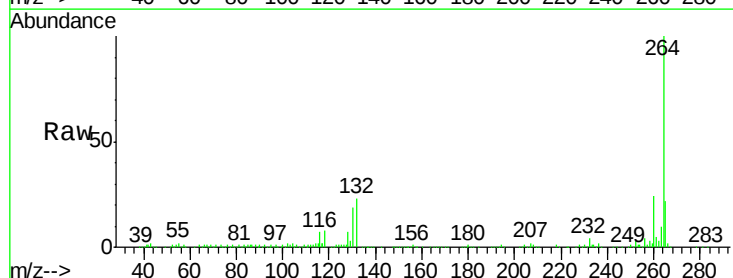
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMSD

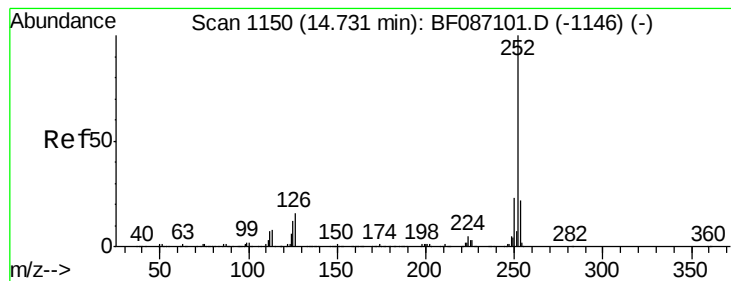
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.6	38.4
277	25.4	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF087129.D
 Acq: 18 May 2016 4:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.1	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 77.26 ng

RT: 14.75 min Scan# 1152

Delta R.T. 0.01 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD

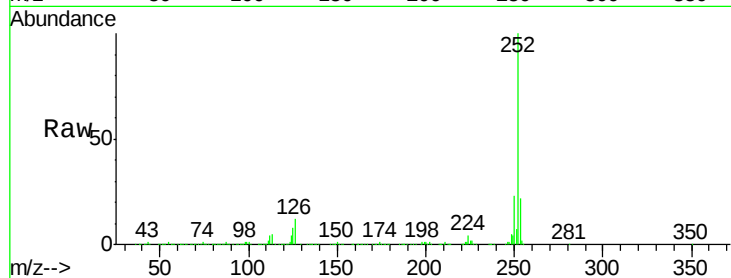
Tgt Ion:252 Resp: 1412885

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

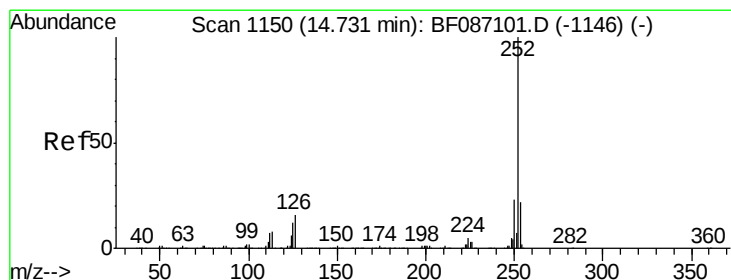
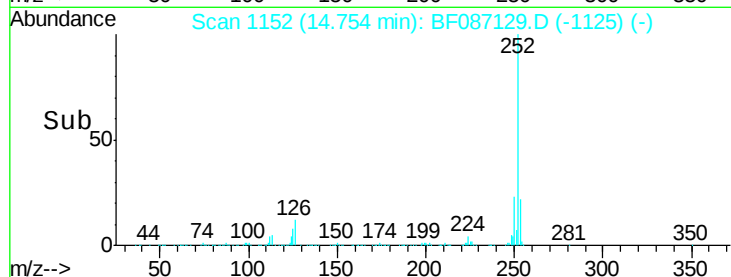
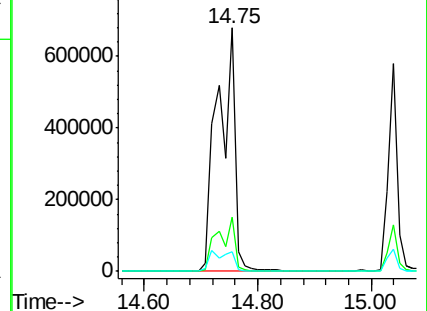
125 7.9 11.4 17.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 103.77 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF087129.D

Acq: 18 May 2016 4:15

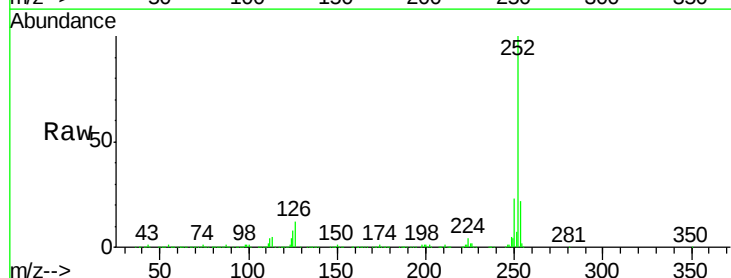
Tgt Ion:252 Resp: 1412885

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

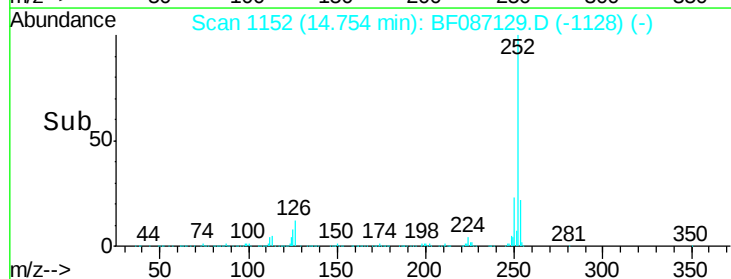
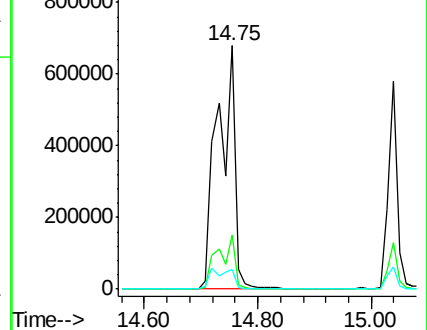
125 7.9 9.1 13.7#

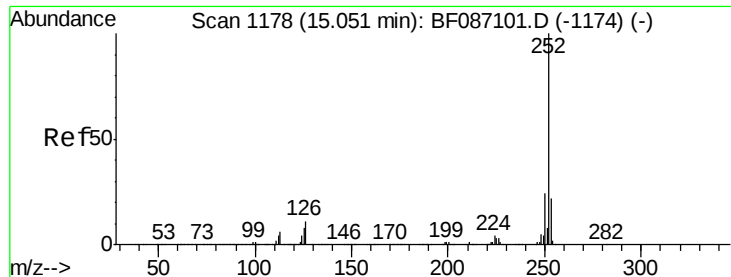


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

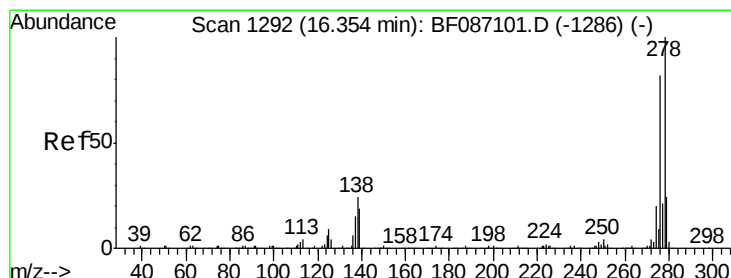
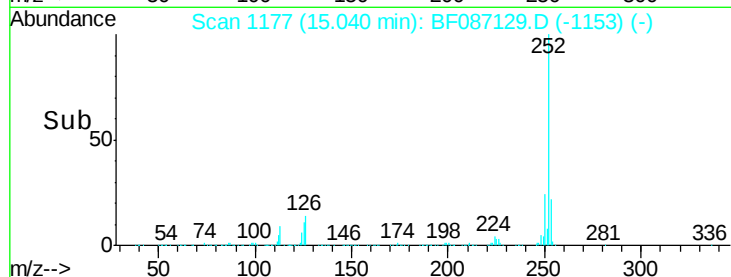
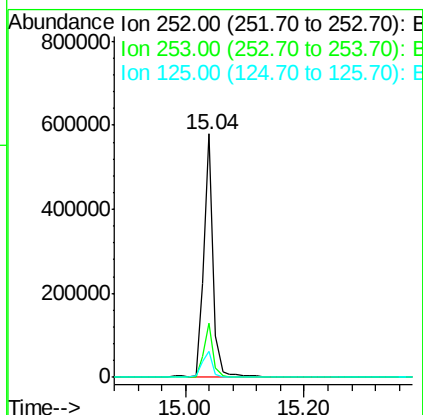
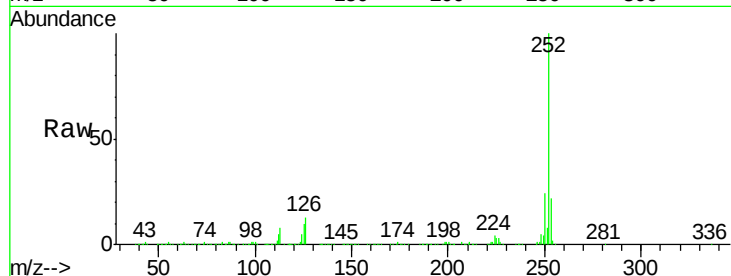




#89
Benzo(a)pyrene
Concen: 42.55 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

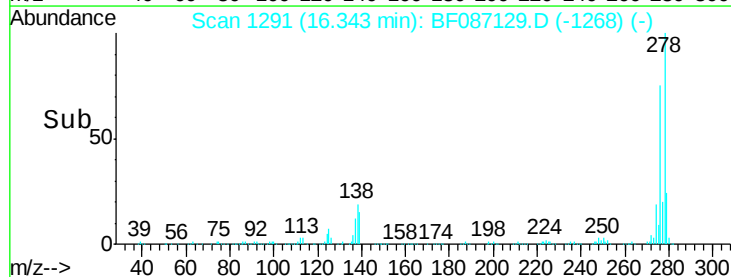
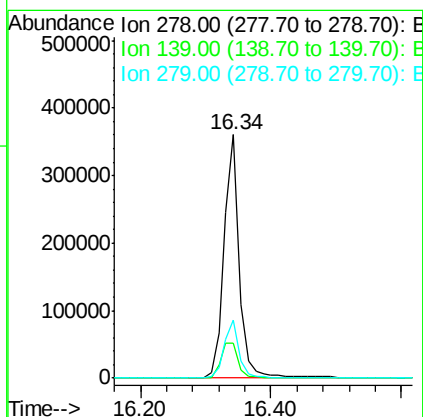
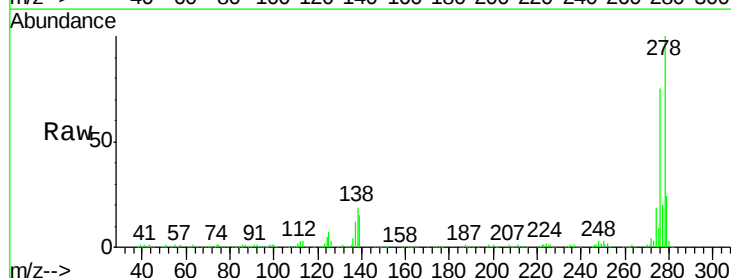
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-12KMSD

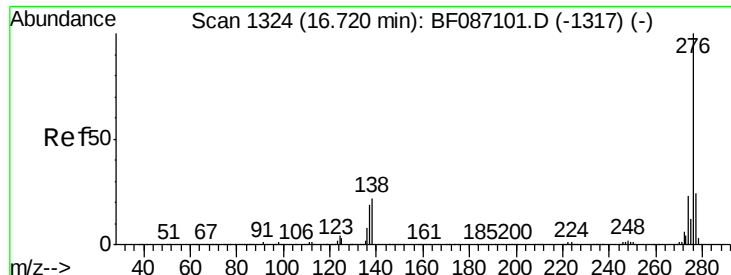
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.5	9.0	13.6



#90
Dibenzo(a,h)anthracene
Concen: 45.57 ng
RT: 16.34 min Scan# 1291
Delta R.T. -0.03 min
Lab File: BF087129.D
Acq: 18 May 2016 4:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	16.6	24.8#
279	23.7	19.6	29.4





#91

Benzo(g,h,i)perylene

Concen: 45.68 ng

RT: 16.70 min Scan# 1322

Delta R.T. -0.05 min

Lab File: BF087129.D

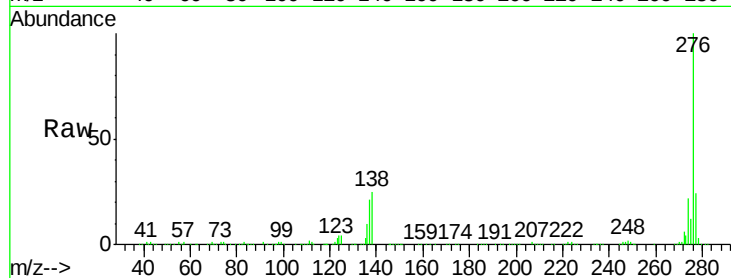
Acq: 18 May 2016 4:15

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMSD



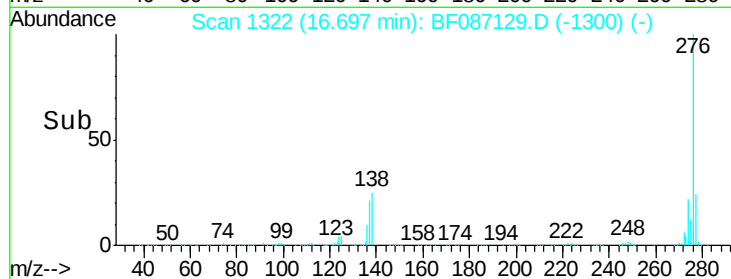
Tgt Ion: 276 Resp: 593759

Ion Ratio Lower Upper

276 100

277 24.0 19.6 29.4

138 24.9 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

