

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

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

Manual Integrations
 APPROVED

sohil
 5/18/2016 6:59:23 PM

Quant Time: May 18 04:16:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

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

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

Target Compounds						Qvalue
2) 1,4-Dioxane	2.08	88	150556	37.45	ng	# 70
3) Pyridine	2.71	79	420550	43.25	ng	# 65
4) n-Nitrosodimethylamine	2.67	42	331676	48.13	ng	# 48
6) Aniline	6.26	93	298892	22.45	ng	# 71
8) 2-Chlorophenol	6.39	128	432021	45.44	ng	99
9) Benzaldehyde	6.15	77	32985	4.42	ng	97
10) Phenol	6.28	94	495904	37.64	ng	94
11) bis(2-Chloroethyl)ether	6.34	93	462848	46.79	ng	88
12) 1,3-Dichlorobenzene	6.52	146	434319	42.97	ng	# 89
13) 1,4-Dichlorobenzene	6.60	146	441855m	42.73	ng	
14) 1,2-Dichlorobenzene	6.76	146	418511	46.23	ng	100
15) Benzyl Alcohol	6.76	79	389337	49.90	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.89	45	906344	44.56	ng	69
17) 2-Methylphenol	6.89	107	351291	44.99	ng	# 78
18) Hexachloroethane	7.10	117	169882	42.97	ng	97
19) n-Nitroso-di-n-propylamine	7.03	70	341850	42.91	ng	# 67
20) 3+4-Methylphenols	7.05	107	485657	47.15	ng	# 58
22) Acetophenone	7.02	105	626207	46.84	ng	# 97
24) Nitrobenzene	7.19	77	480905	40.18	ng	95
25) Isophorone	7.43	82	896930	44.70	ng	97
26) 2-Nitrophenol	7.51	139	236246	47.65	ng	# 78
27) 2,4-Dimethylphenol	7.56	122	357972	42.31	ng	87
28) bis(2-Chloroethoxy)methane	7.64	93	521034	47.30	ng	# 97
29) 2,4-Dichlorophenol	7.76	162	367674	49.31	ng	96
30) 1,2,4-Trichlorobenzene	7.83	180	388126	46.91	ng	97
31) Naphthalene	7.91	128	1276289	47.81	ng	100
32) Benzoic acid	7.68	122	18488	3.67	ng	89
33) 4-Chloroaniline	7.98	127	135628	12.22	ng	96
34) Hexachlorobutadiene	8.02	225	214796	45.75	ng	97
35) Caprolactam	8.35	113	114603m	46.16	ng	
36) 4-Chloro-3-methylphenol	8.48	107	399120	44.38	ng	90
37) 2-Methylnaphthalene	8.59	142	757581m	44.37	ng	
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	352514	47.40	ng	96
40) Hexachlorocyclopentadiene	8.75	237	249697	86.26	ng	93

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

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

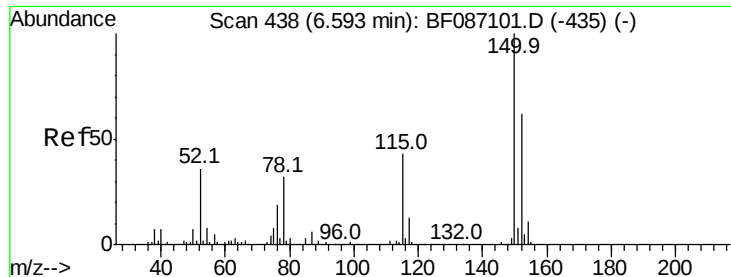
Manual Integrations
 APPROVED

sohil
 5/18/2016 6:59:23 PM

Quant Time: May 18 04:16:27 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)
42) 2,4,6-Trichlorophenol	8.89	196	235958	48.92	nq	95
43) 2,4,5-Trichlorophenol	8.94	196	223796	44.67	nq #	81
45) 1,1'-Biphenyl	9.06	154	942559	44.64	nq	96
46) 2-Chloronaphthalene	9.08	162	747623	46.12	nq	94
47) 2-Nitroaniline	9.20	65	324530	52.25	nq	86
48) Acenaphthylene	9.50	152	1143499	46.20	nq	99
49) Dimethylphthalate	9.38	163	1137497	58.56	nq	99
50) 2,6-Dinitrotoluene	9.44	165	183242	43.45	nq #	75
51) Acenaphthene	9.67	154	734379	47.49	nq	98
52) 3-Nitroaniline	9.61	138	135876	29.76	nq	92
53) 2,4-Dinitrophenol	9.72	184	146346	61.71	nq	89
54) Dibenzofuran	9.84	168	991310	49.58	nq	95
55) 4-Nitrophenol	9.80	139	198040m	66.49	nq	
56) 2,4-Dinitrotoluene	9.85	165	261323	48.38	nq #	65
57) Fluorene	10.18	166	811491	50.51	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.96	232	194443	49.83	nq	96
59) Diethylphthalate	10.07	149	863053	46.54	nq	98
60) 4-Chlorophenyl-phenylether	10.17	204	334153	43.88	nq	94
61) 4-Nitroaniline	10.23	138	202925	45.01	nq #	69
62) Azobenzene	10.33	77	988137	46.24	nq	84
64) 4,6-Dinitro-2-methylphenol	10.26	198	130605	43.92	nq	86
65) n-Nitrosodiphenylamine	10.30	169	692356	48.73	nq	99
66) 4-Bromophenyl-phenylether	10.66	248	228720	49.26	nq	94
67) Hexachlorobenzene	10.72	284	249788	46.40	nq #	61
68) Atrazine	10.83	200	204395	44.10	nq	95
69) Pentachlorophenol	10.94	266	214627	106.14	nq	97
70) Phenanthrene	11.13	178	1073558	43.84	nq	100
71) Anthracene	11.19	178	1213486	48.99	nq	100
72) Carbazole	11.35	167	989791	43.75	nq	98
73) Di-n-butylphthalate	11.68	149	1270584	48.89	nq #	98
74) Fluoranthene	12.32	202	1223137	49.85	nq	91
76) Benzidine	12.44	184	203063	21.33	nq	97
77) Pyrene	12.54	202	1093238	51.31	nq	100
79) Butylbenzylphthalate	13.16	149	506311	56.29	nq #	61
80) Benzo(a)anthracene	13.73	228	830048	48.67	nq	99
81) 3,3'-Dichlorobenzidine	13.70	252	139543	12.86	nq #	94
82) Chrysene	13.76	228	722164	43.77	nq	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	613449	56.04	nq #	99
84) Di-n-octyl phthalate	14.34	149	1012840	53.71	nq #	85
85) Indeno(1,2,3-cd)pyrene	16.34	276	765351	52.84	nq	94
87) Benzo(b)fluoranthene	14.73	252	896020m	51.08	nq	
88) Benzo(k)fluoranthene	14.75	252	566025m	43.34	nq	
89) Benzo(a)pyrene	15.04	252	696321	47.49	nq	98
90) Dibenzo(a,h)anthracene	16.34	278	639262	51.78	nq #	95
91) Benzo(g,h,i)perylene	16.71	276	658907	52.85	nq #	89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

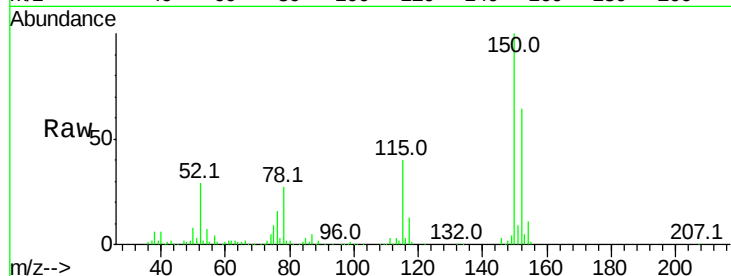
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

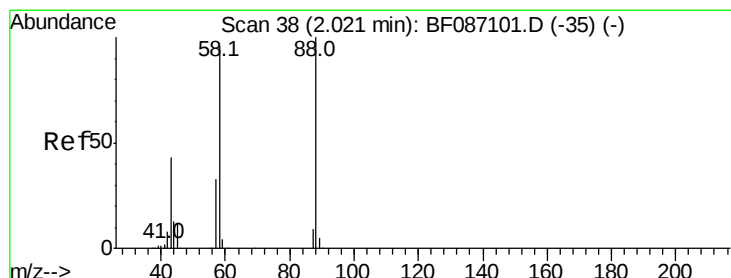
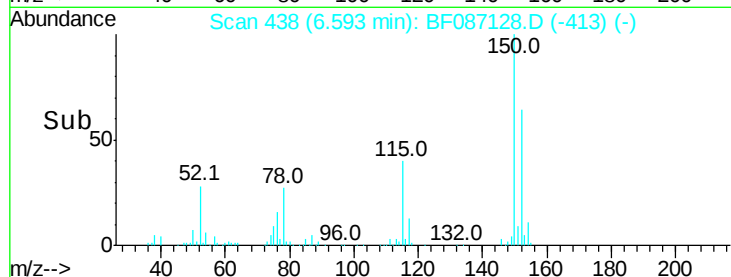
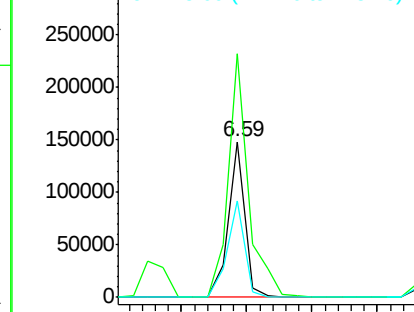
Tot Ion:	152	Resp:	131352
Ion Ratio	Lower	Upper	
152	100		
150	156.1	125.8	188.6
115	61.9	51.5	77.3

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 37.45 ng

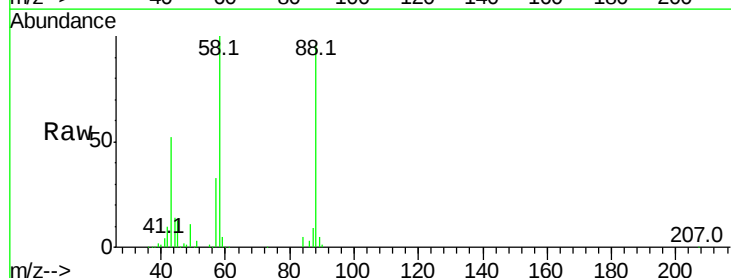
RT: 2.08 min Scan# 43

Delta R.T. 0.02 min

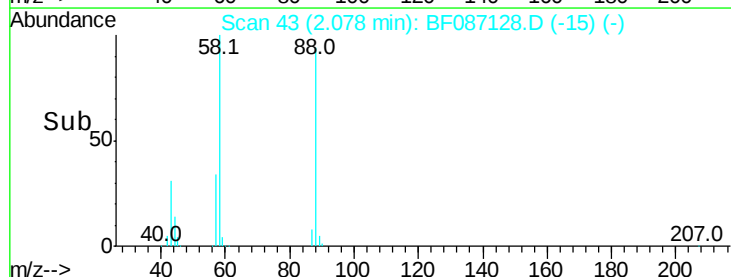
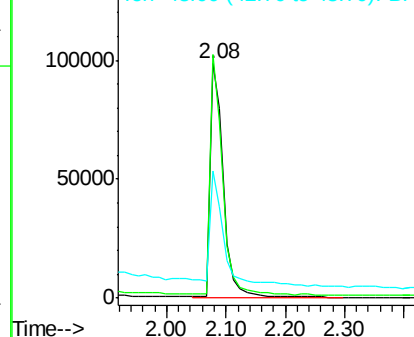
Lab File: BF087128.D

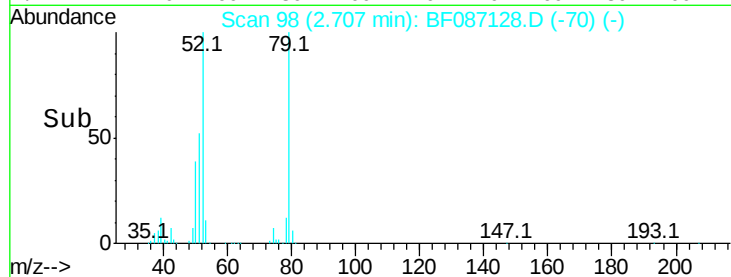
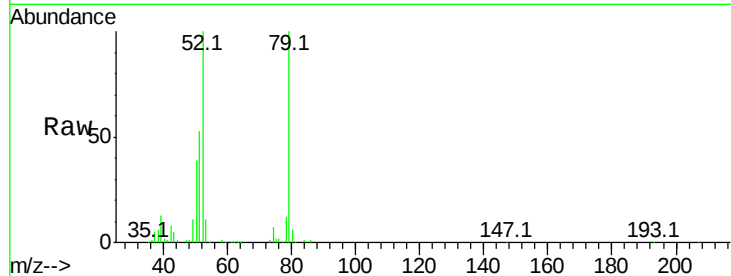
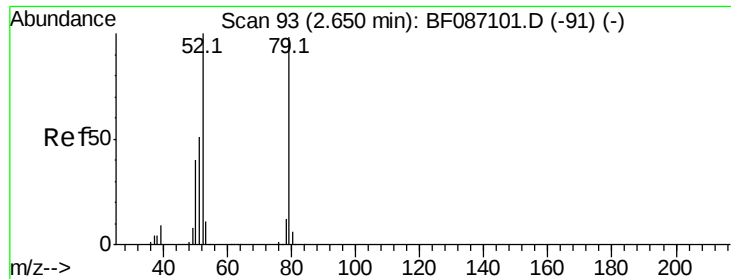
Acq: 18 May 2016 3:46

Tgt Ion:	88	Resp:	150556
Ion Ratio	Lower	Upper	
88	100		
58	96.0	59.6	89.4#
43	49.9	21.8	32.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 43.25 ng

RT: 2.71 min Scan# 98

Delta R.T. 0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	100.1	55.9	83.9#	
51	52.8	28.1	42.1#	

Instrument :

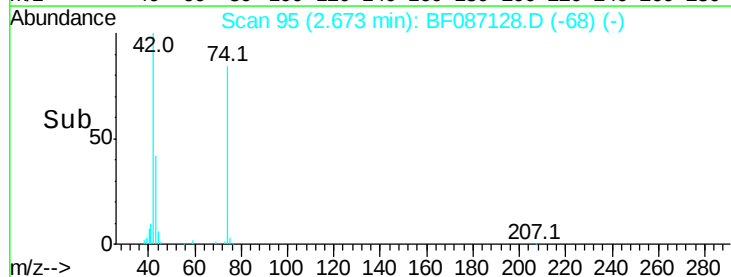
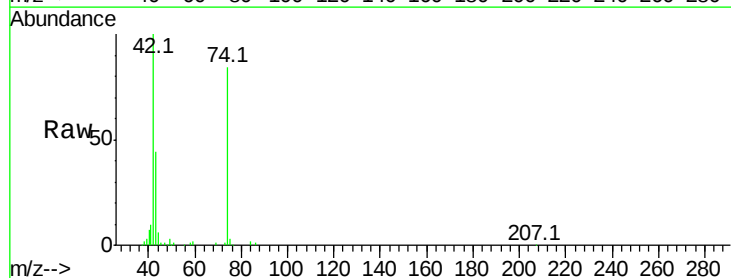
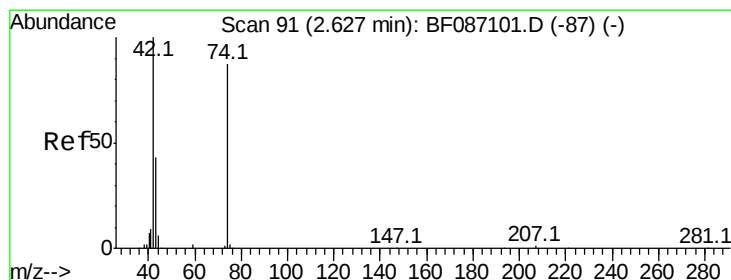
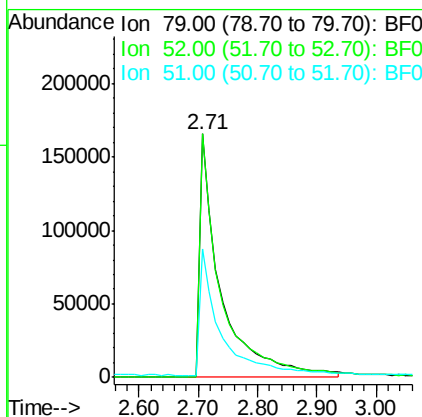
BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#4

n-Nitrosodimethylamine

Concen: 48.13 ng

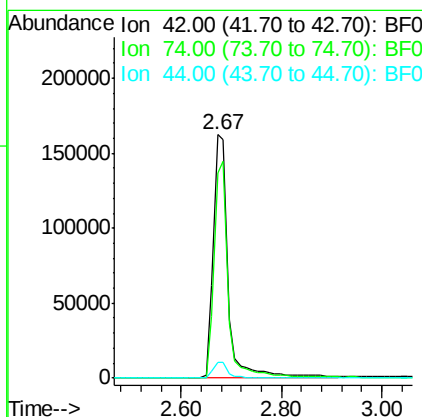
RT: 2.67 min Scan# 95

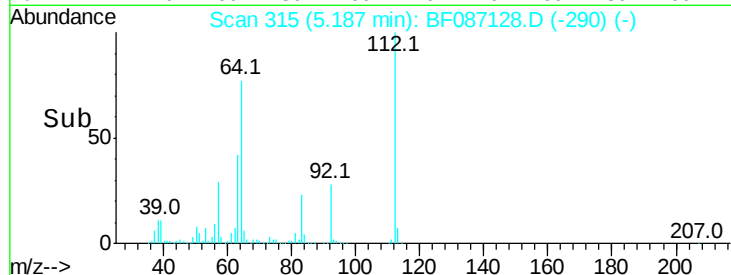
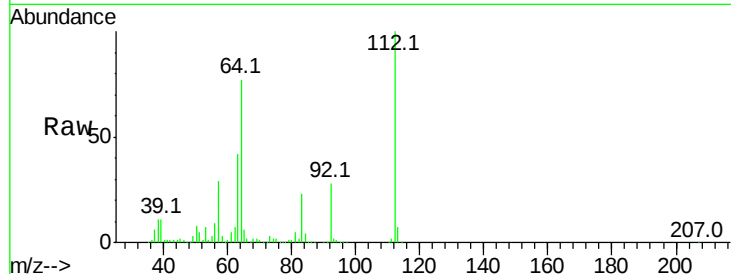
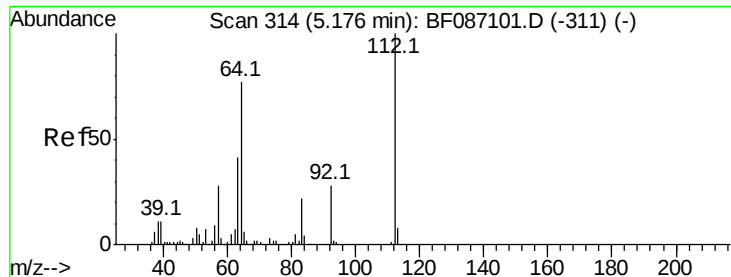
Delta R.T. 0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	84.2	123.4	185.0#	
44	6.3	5.8	8.6	





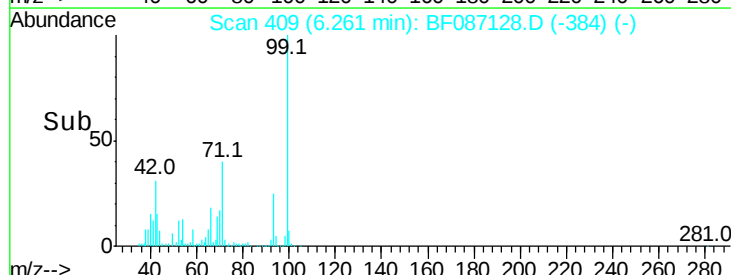
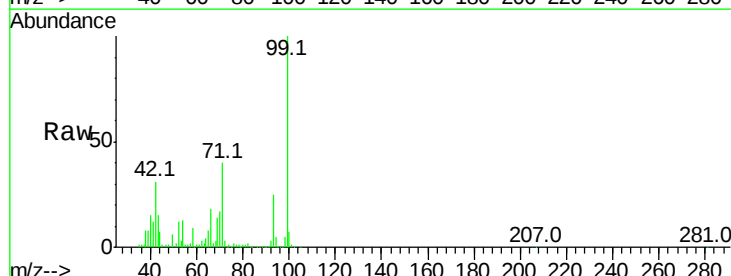
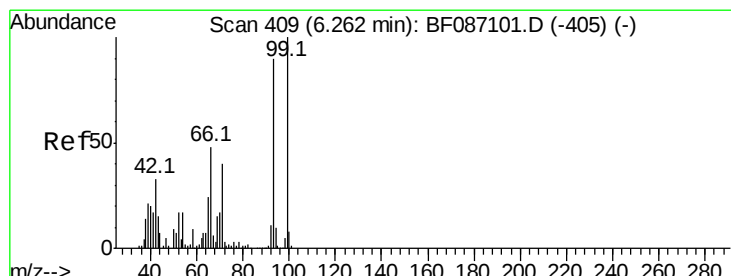
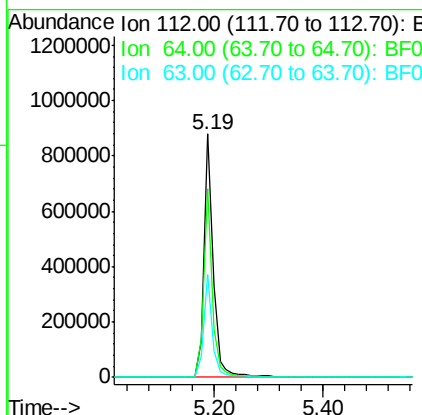
#5
2-Fluorophenol
Concen: 132.35 ng
RT: 5.19 min Scan# 315
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tot Ion: 112 Resp: 1034305
Ion Ratio Lower Upper
112 100
64 77.2 52.1 78.1
63 42.3 25.7 38.5#

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

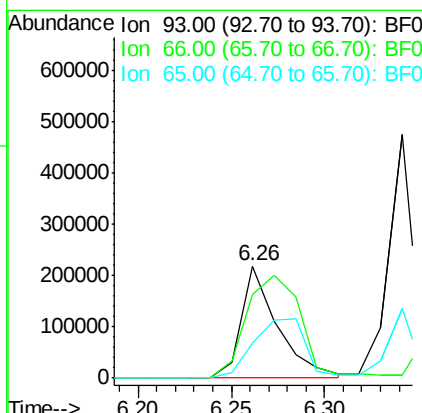
Manual Integrations
APPROVED

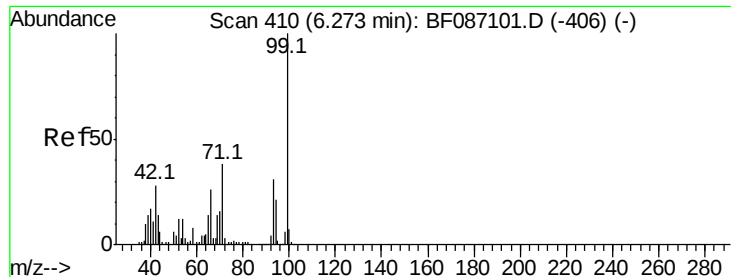
sohil
5/18/2016 6:59:23 PM



#6
Aniline
Concen: 22.45 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion: 93 Resp: 298892
Ion Ratio Lower Upper
93 100
66 74.8 39.0 58.6#
65 31.6 20.6 31.0#





#7

Phenol-d6

Concen: 143.80 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

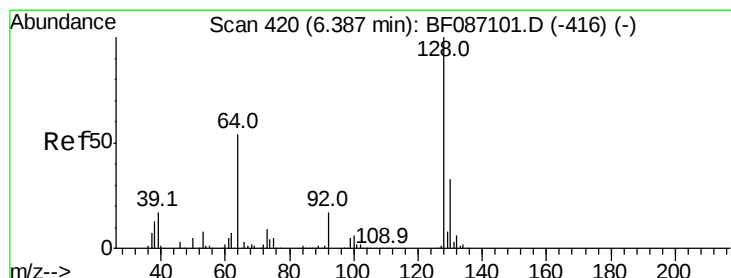
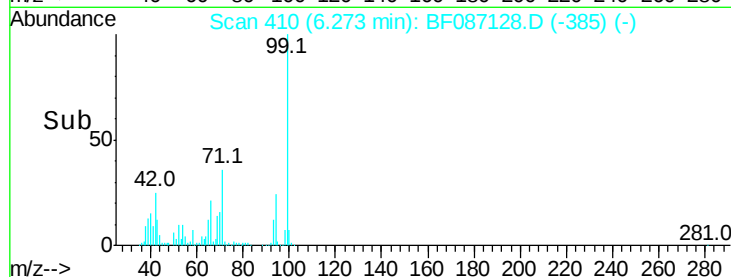
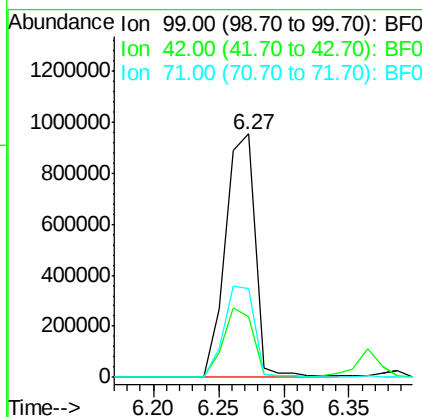
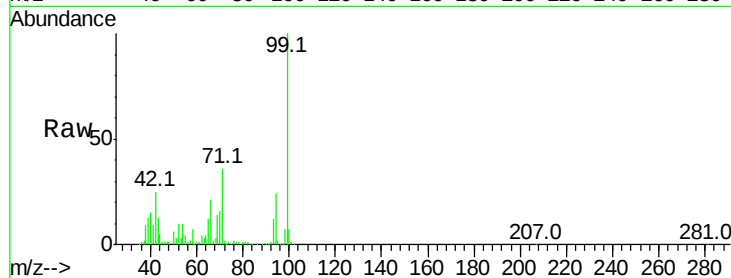
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion	Ratio	Lower	Upper
99	100		
42	24.8	13.6	20.4#
71	36.2	24.6	36.8



#8

2-Chlorophenol

Concen: 45.44 ng

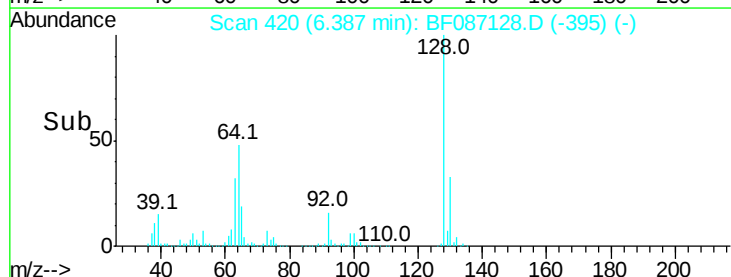
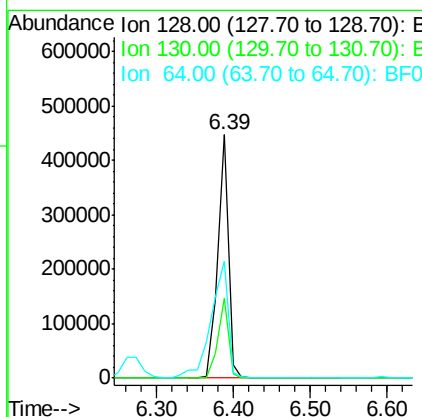
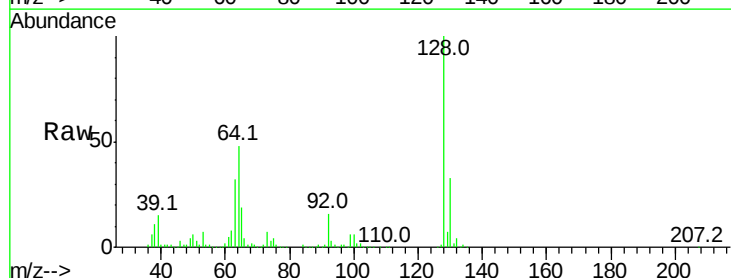
RT: 6.39 min Scan# 420

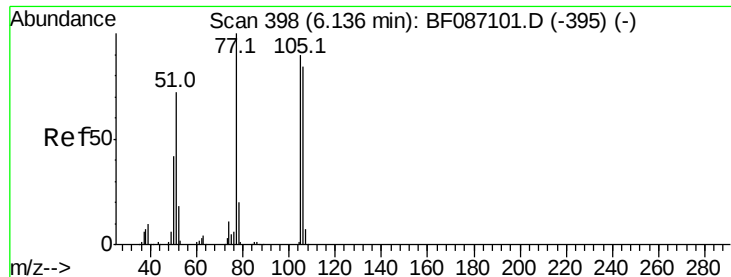
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.5	52.5
64	48.0	27.3	67.3





#9

Benzaldehyde

Concen: 4.42 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

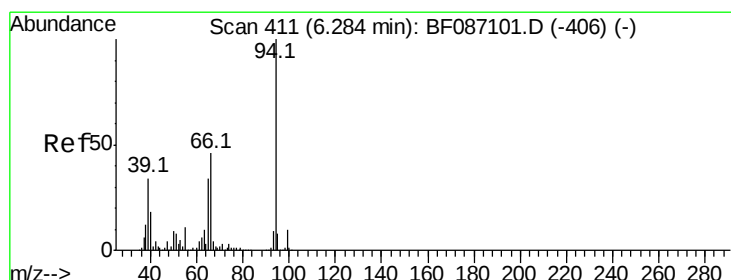
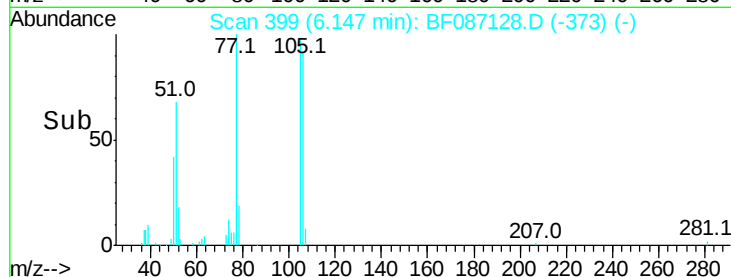
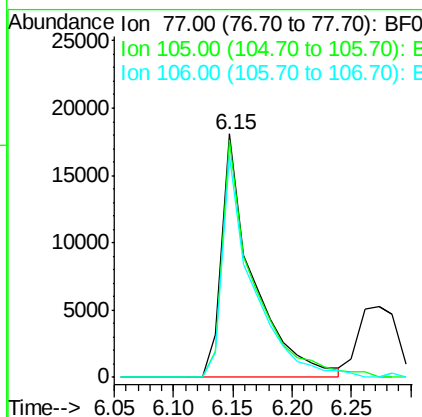
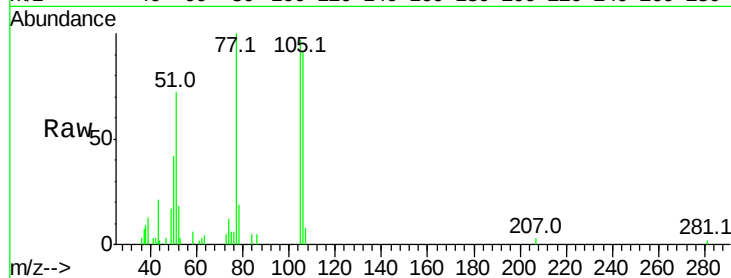
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion	Ratio	Lower	Upper
77	100		
105	97.2	72.7	112.7
106	91.1	70.8	110.8



#10

Phenol

Concen: 37.64 ng

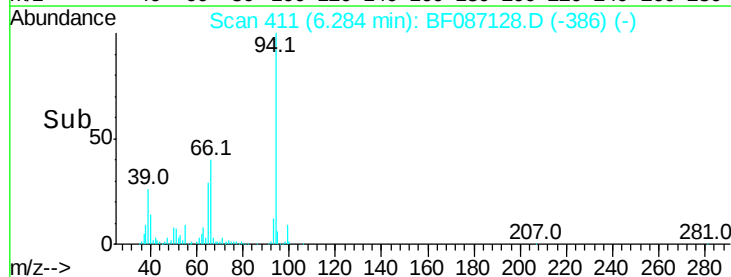
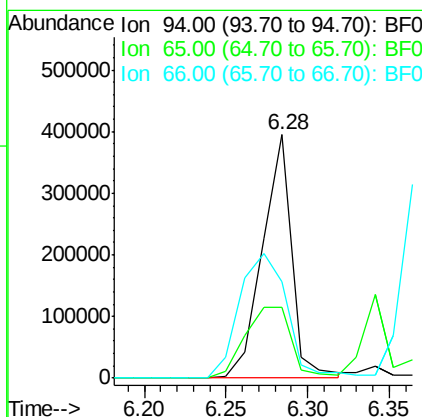
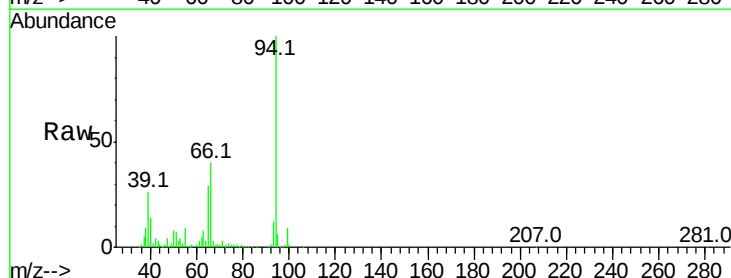
RT: 6.28 min Scan# 411

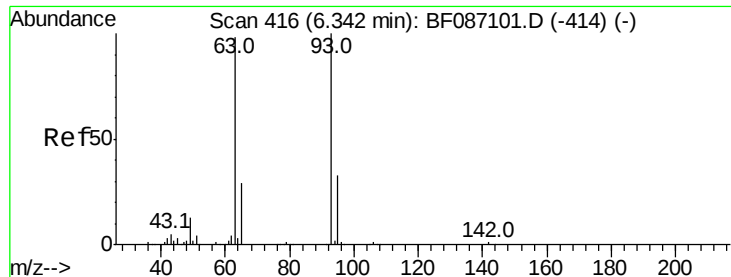
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.2	7.2	47.2
66	39.8	14.9	54.9





#11

bis(2-Chloroethyl)ether

Concen: 46.79 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

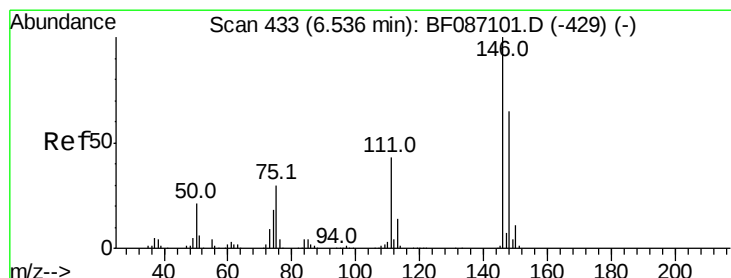
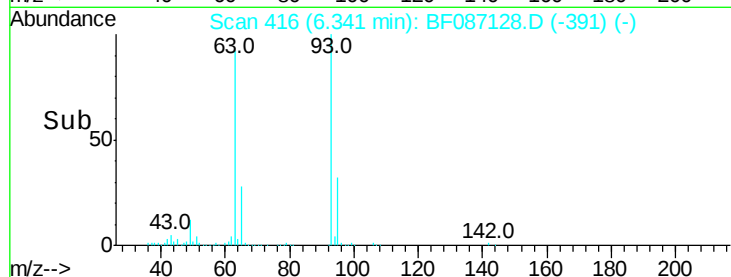
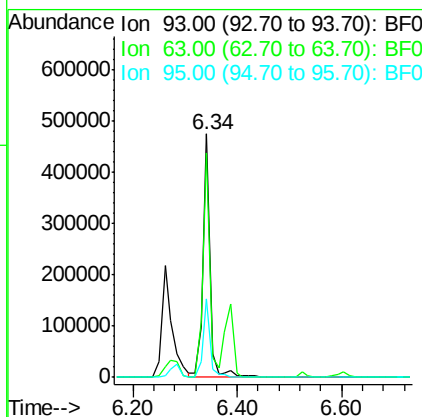
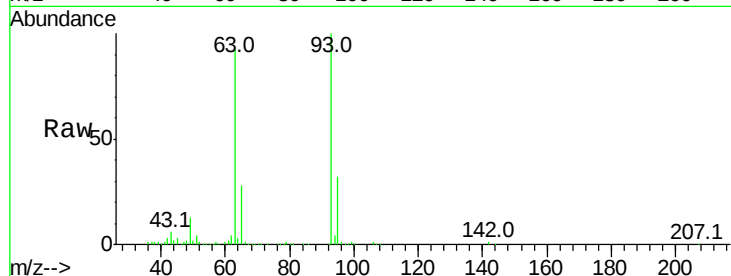
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

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

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#12

1,3-Dichlorobenzene

Concen: 42.97 ng

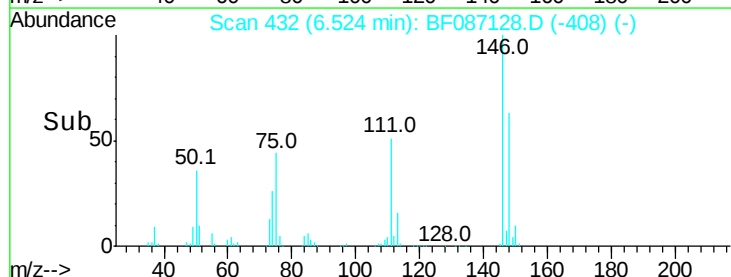
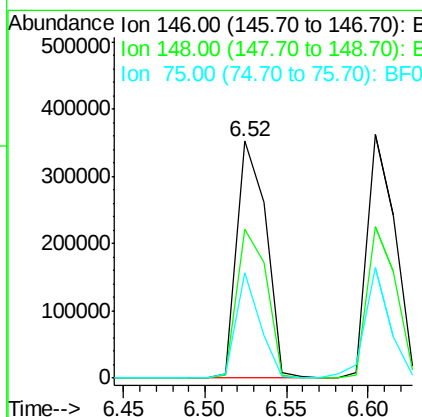
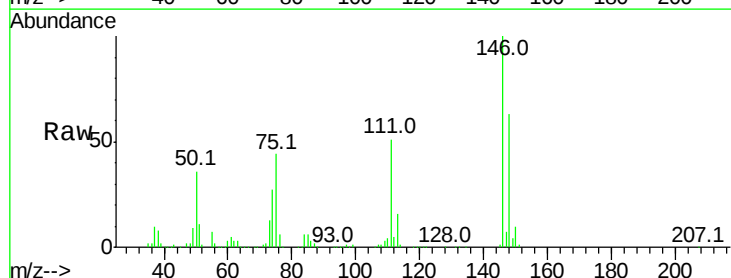
RT: 6.52 min Scan# 432

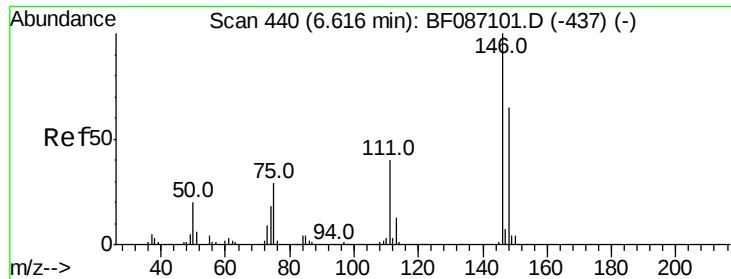
Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

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





#13

1,4-Dichlorobenzene

Concen: 42.73 ng/mL

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

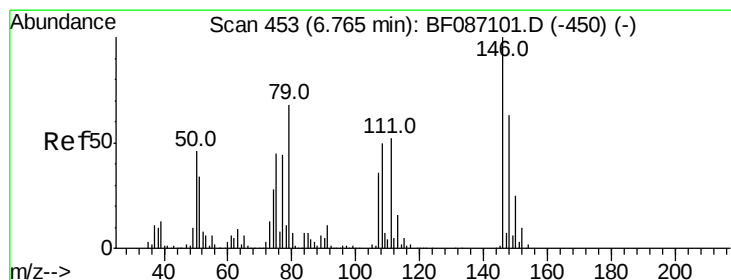
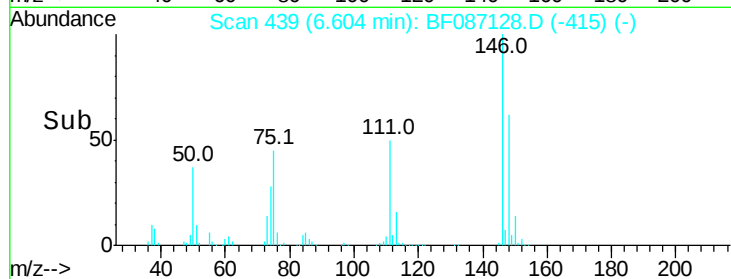
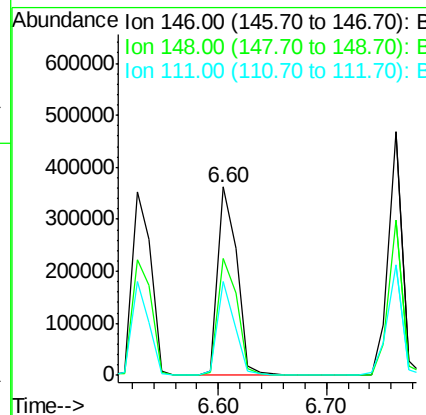
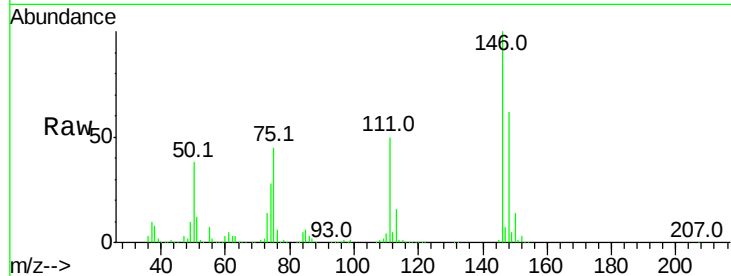
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion:	146	Resp:	441855
Ion Ratio	Lower	Upper	
146	100		
148	62.2	52.2	78.4
111	49.7	30.7	46.1



#14

1,2-Dichlorobenzene

Concen: 46.23 ng/mL

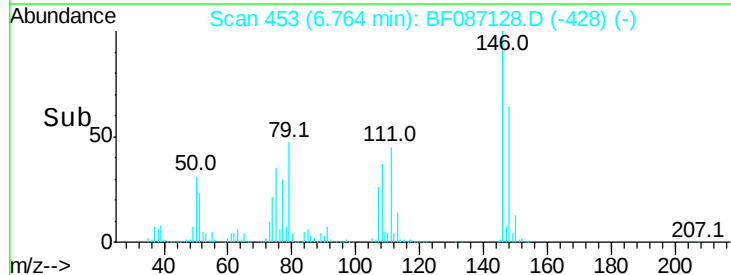
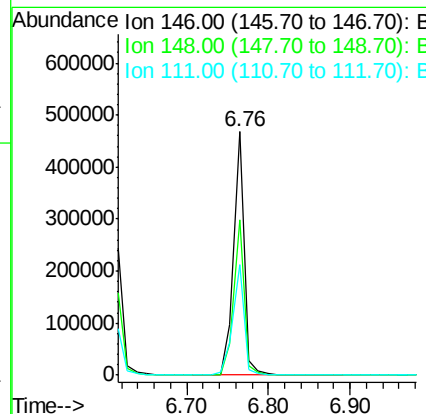
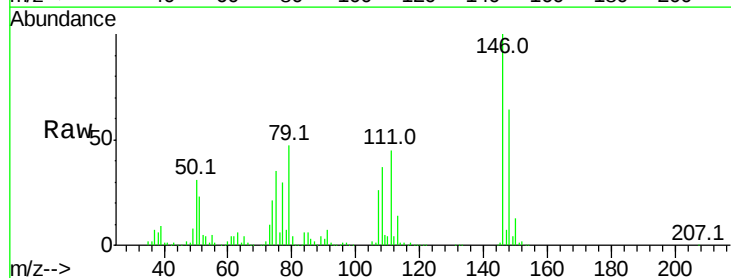
RT: 6.76 min Scan# 453

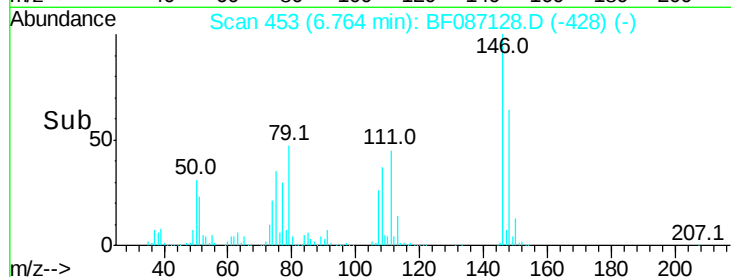
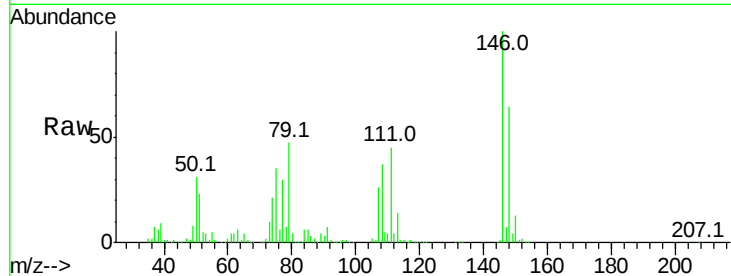
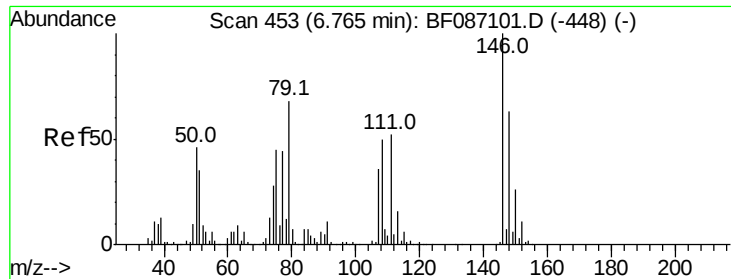
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

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





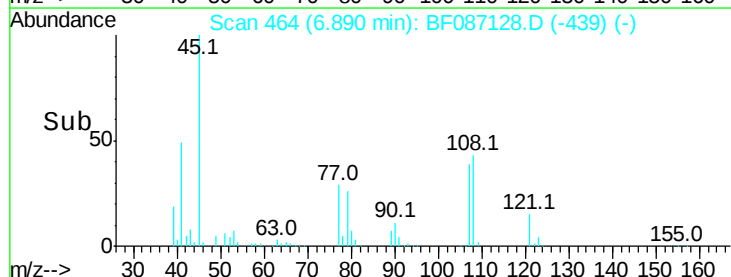
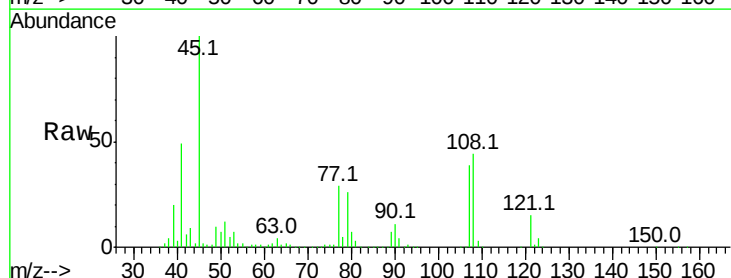
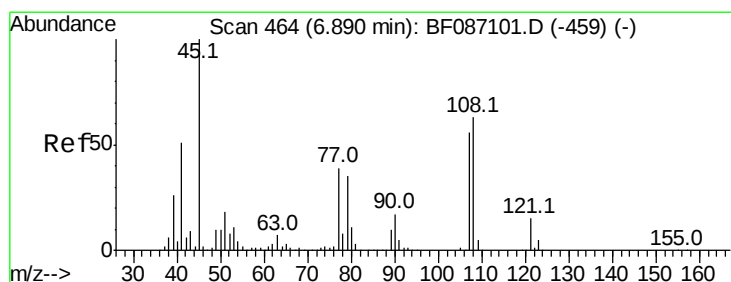
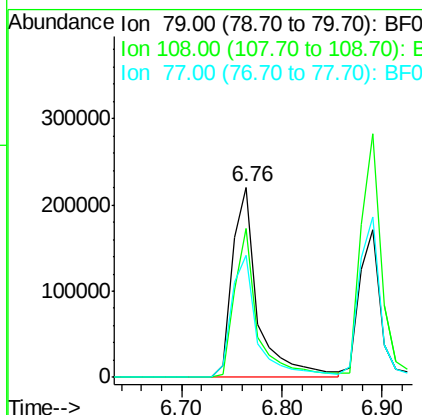
#15
Benzyl Alcohol
Concen: 49.90 ng
RT: 6.76 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	78.3	68.4	102.6	
77	64.3	50.6	76.0	

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

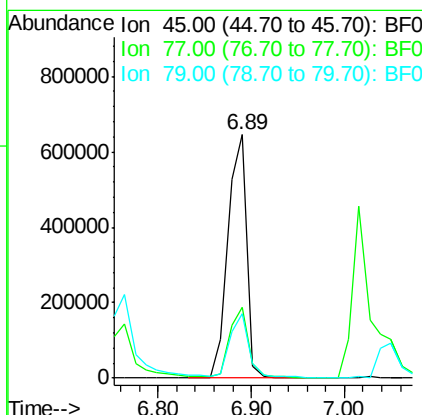
Manual Integrations
APPROVED

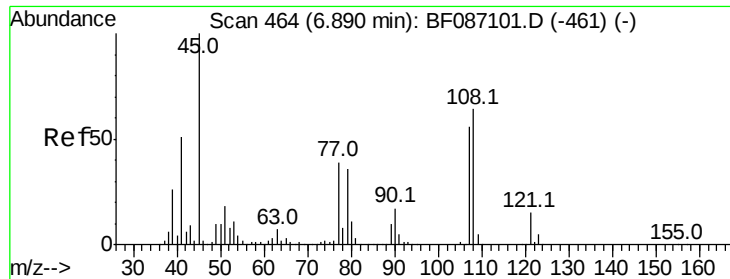
sohil
5/18/2016 6:59:23 PM



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

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





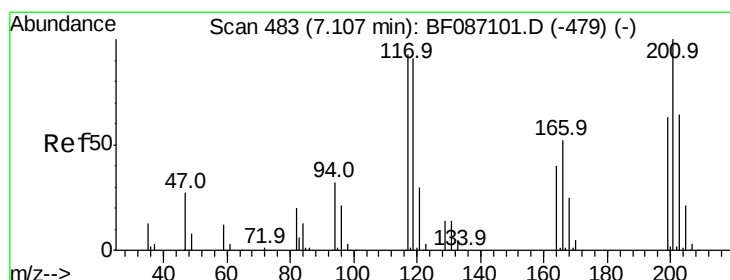
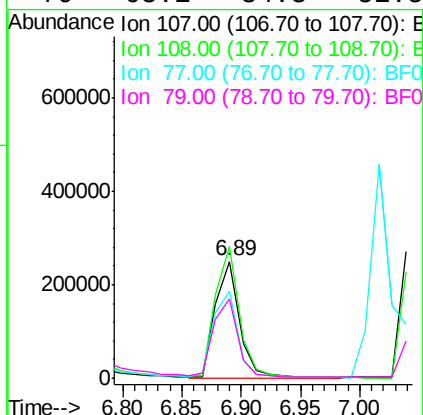
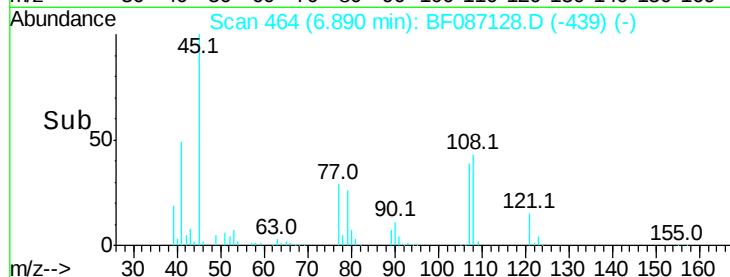
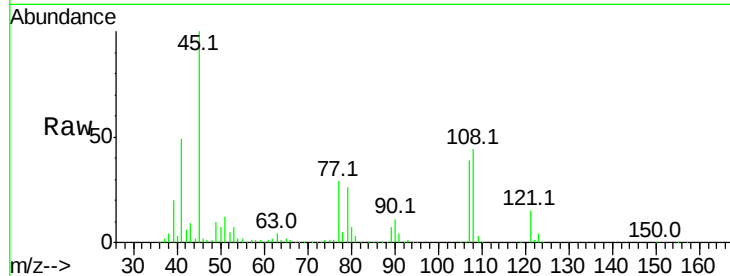
#17
2-Methylphenol
Concen: 44.99 ng
RT: 6.89 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp Lower	Upper
107	100		
108	112.6	93.7	140.5
77	74.4	33.4	50.0#
79	68.1	34.3	51.5#

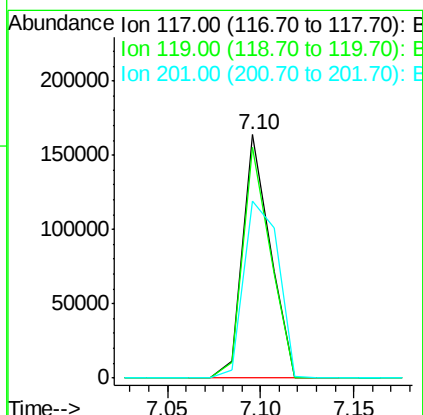
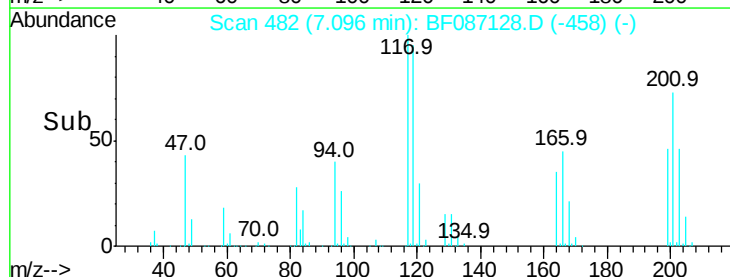
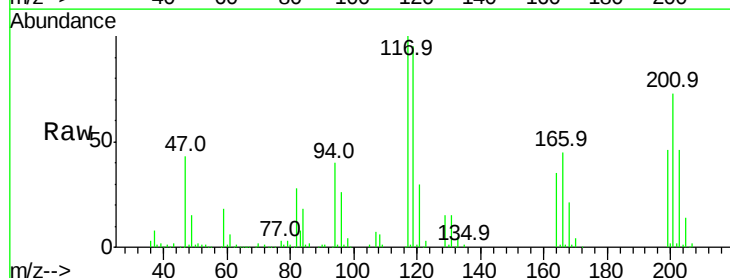
Manual Integrations
APPROVED

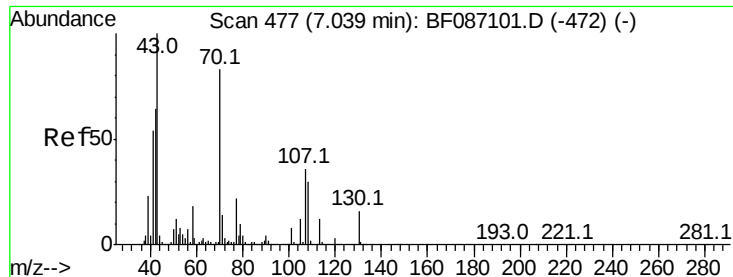
sohil
5/18/2016 6:59:23 PM



#18
Hexachloroethane
Concen: 42.97 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
119	95.0	76.5	114.7
201	72.7	63.0	94.6





#19

n-Nitroso-di-n-propylamine

Concen: 42.91 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion	Ratio	Lower	Upper
70	100		

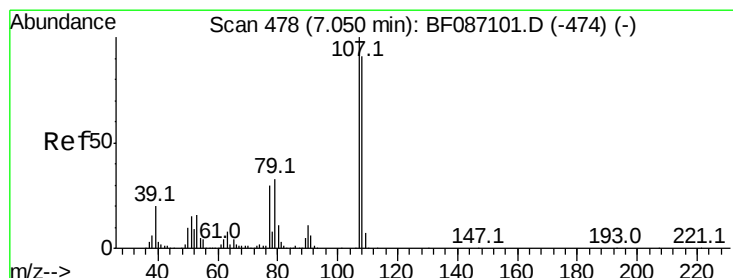
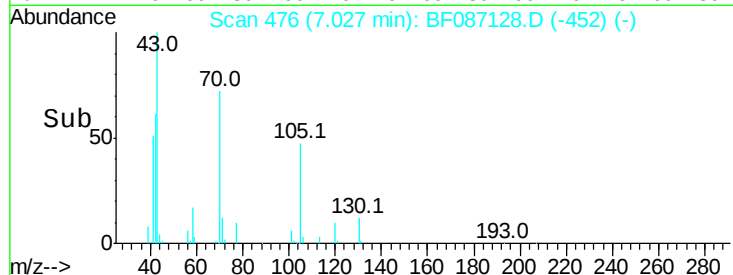
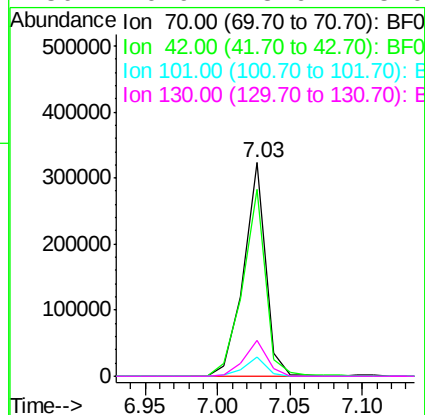
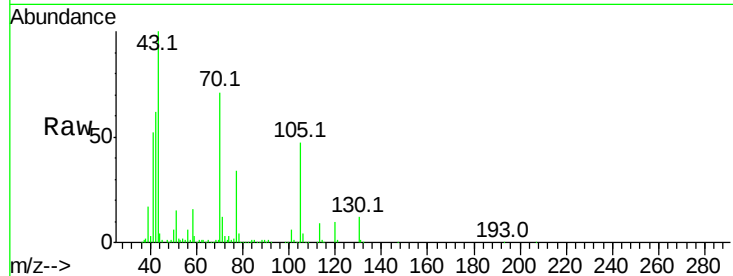
42	87.5	43.1	64.7#
----	------	------	-------

101	8.9	8.1	12.1
-----	-----	-----	------

130	16.9	18.6	28.0#
-----	------	------	-------

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#20

3+4-Methylphenols

Concen: 47.15 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF087128.D

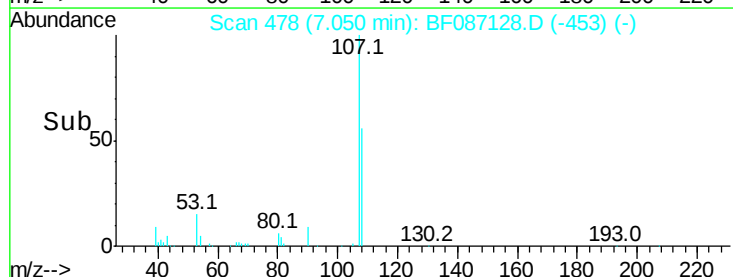
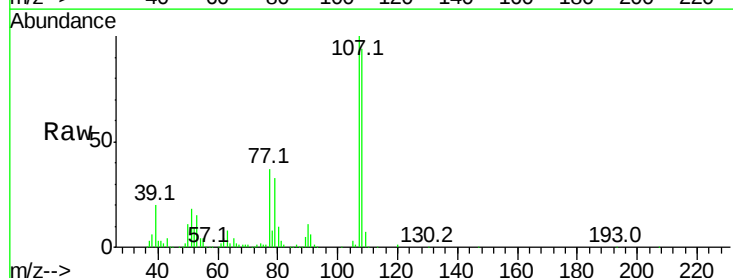
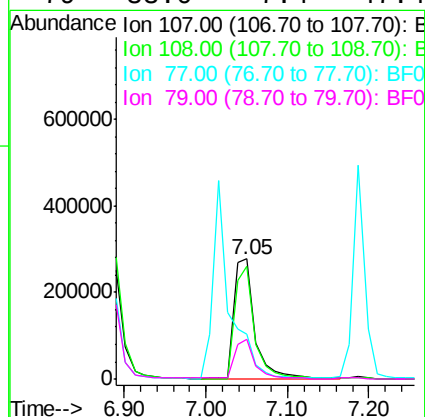
Acq: 18 May 2016 3:46

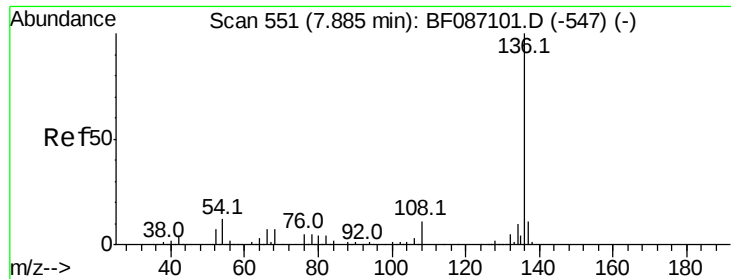
Tgt Ion	Ratio	Lower	Upper
107	100		

108	93.7	68.5	108.5
-----	------	------	-------

77	37.0	101.6	141.6#
----	------	-------	--------

79	33.0	7.4	47.4
----	------	-----	------





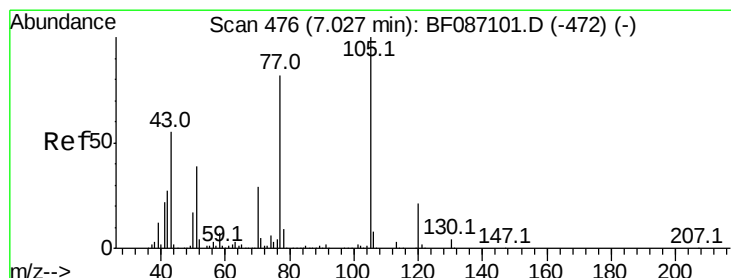
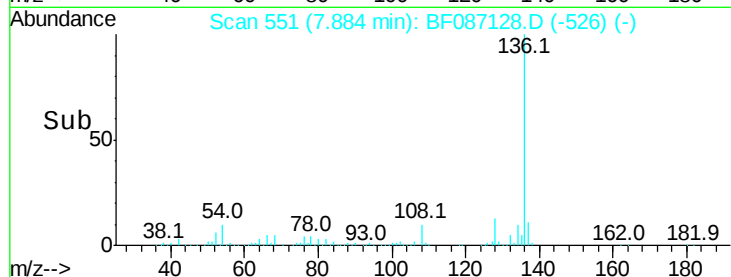
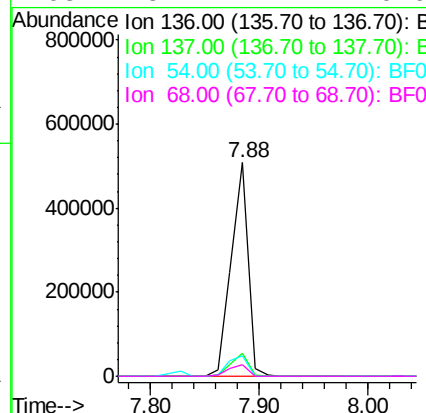
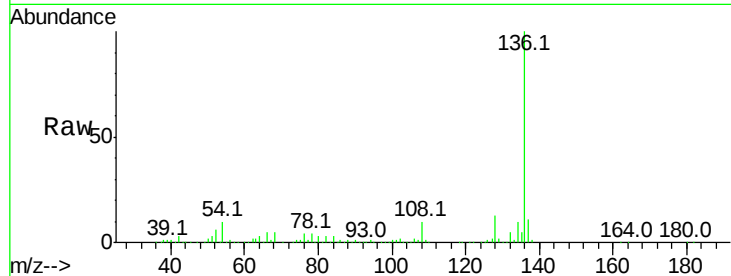
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.8	5.0	7.4#
68	5.2	4.4	6.6

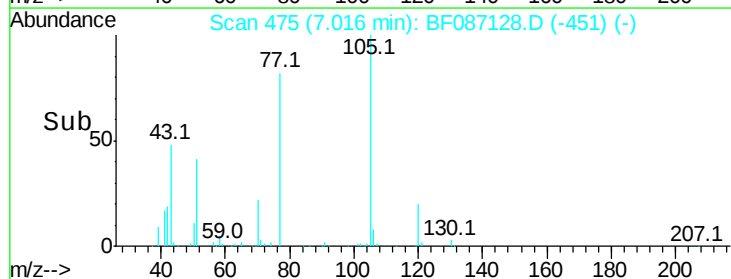
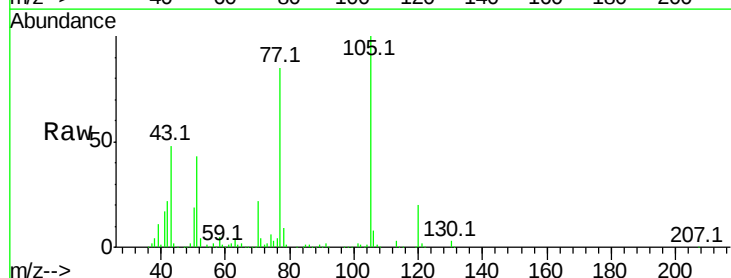
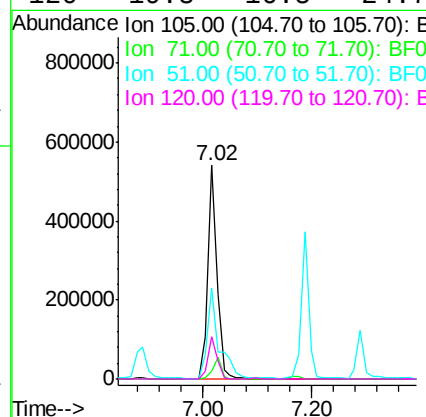
Manual Integrations
APPROVED

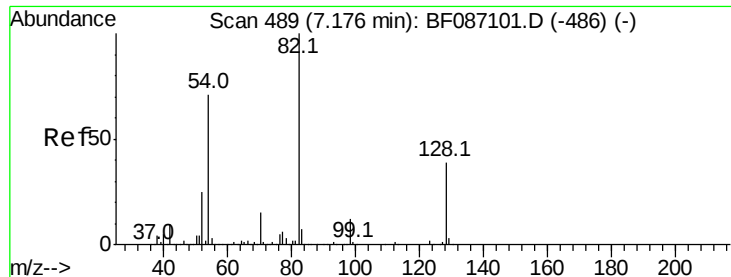
sohil
5/18/2016 6:59:23 PM



#22
Acetophenone
Concen: 46.84 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	3.7	4.8	7.2#
51	42.7	32.6	49.0
120	19.8	16.5	24.7





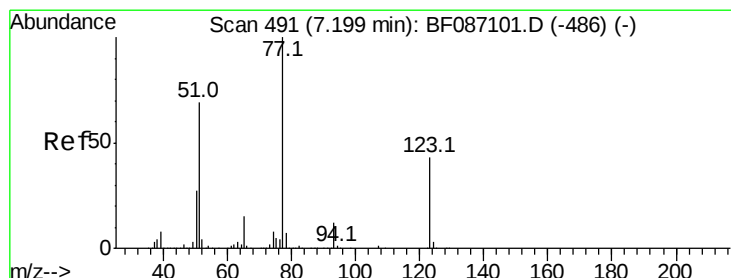
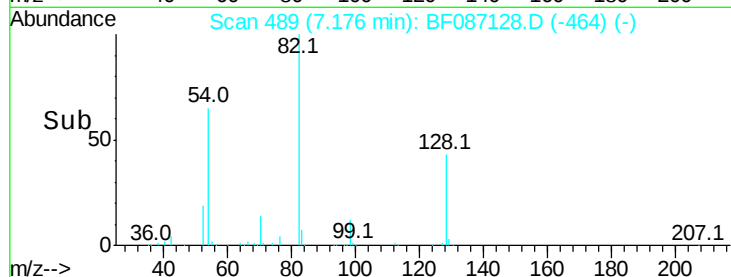
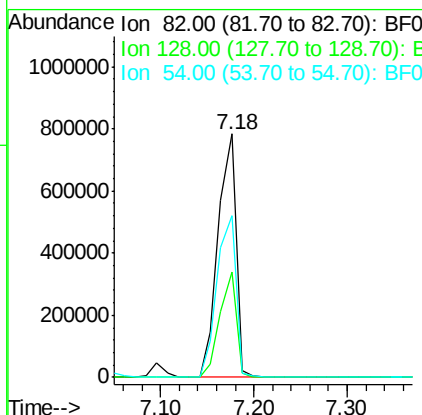
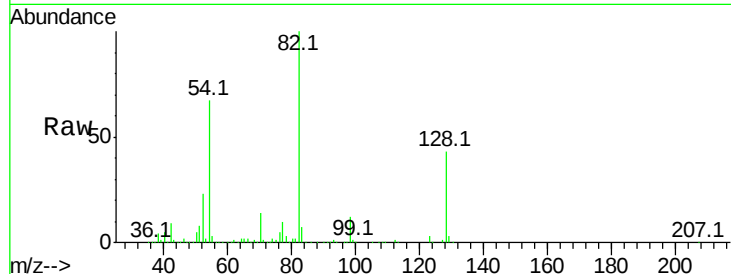
#23
 Nitrobenzene-d5
 Concen: 96.26 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	40.6	61.0
54	66.6	38.1	57.1

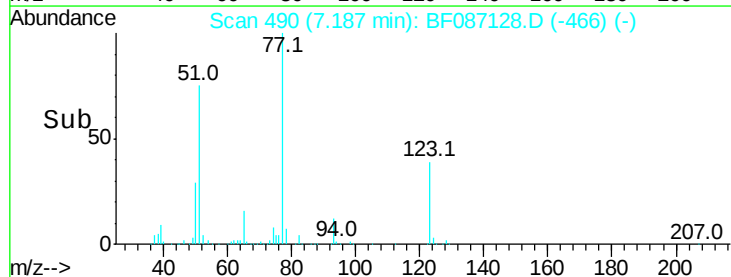
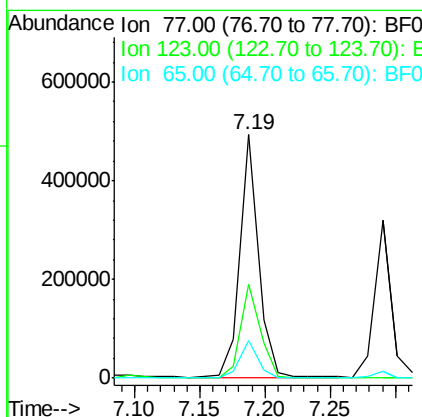
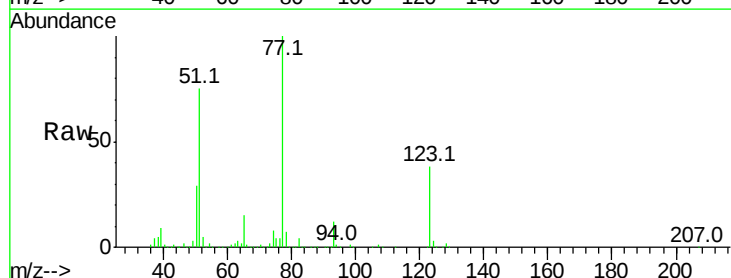
Manual Integrations
 APPROVED

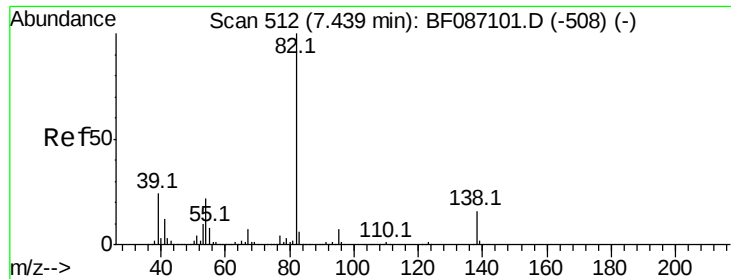
sohil
 5/18/2016 6:59:23 PM



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

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





#25

Isophorone

Concen: 44.70 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

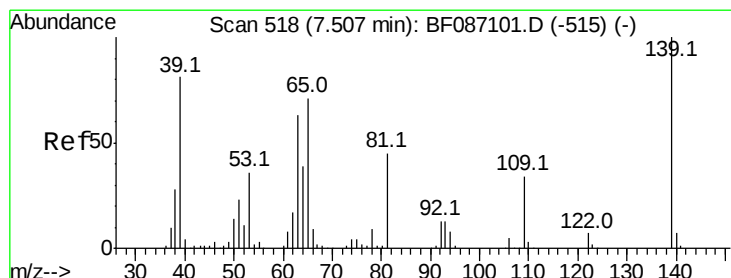
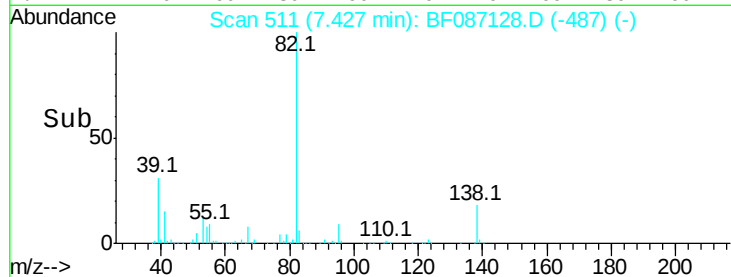
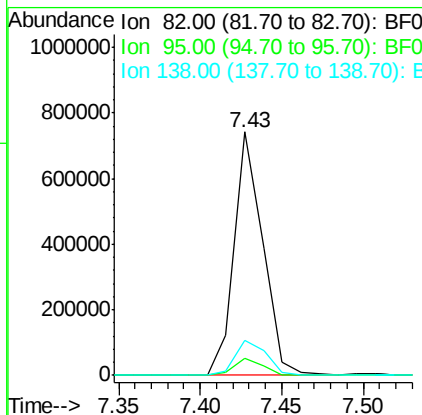
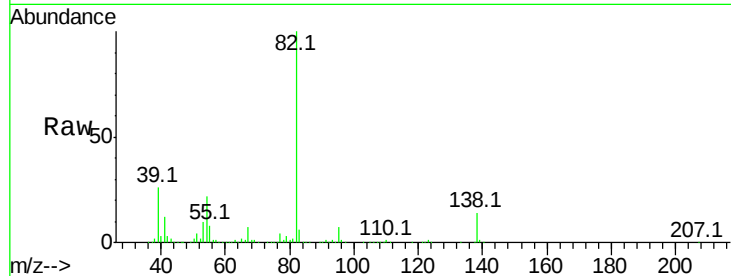
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion:	82	Resp:	896930
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.1	7.7
138	14.3	12.4	18.6

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#26

2-Nitrophenol

Concen: 47.65 ng

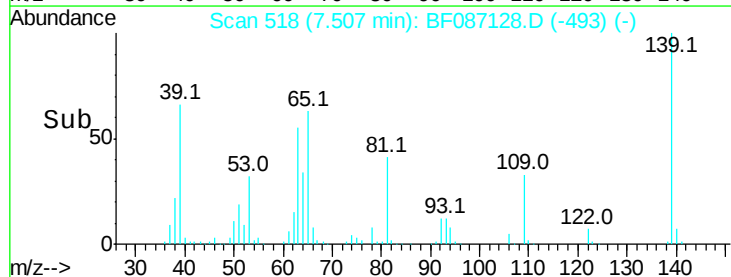
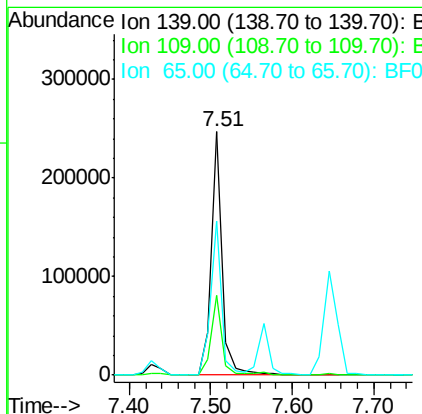
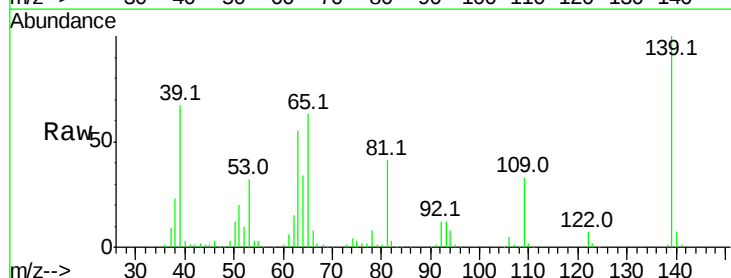
RT: 7.51 min Scan# 518

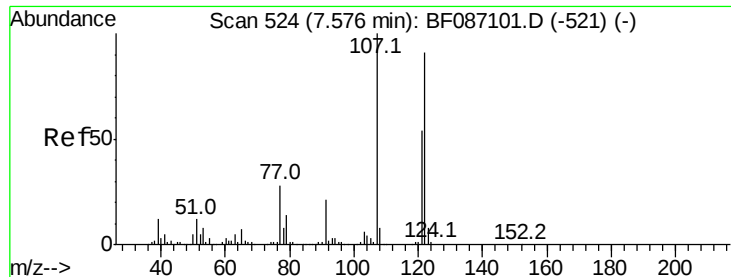
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:	139	Resp:	236246
Ion Ratio	Lower	Upper	
139	100		
109	32.8	19.5	29.3#
65	63.3	37.5	56.3#





#27

2,4-Dimethylphenol

Concen: 42.31 ng

RT: 7.56 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

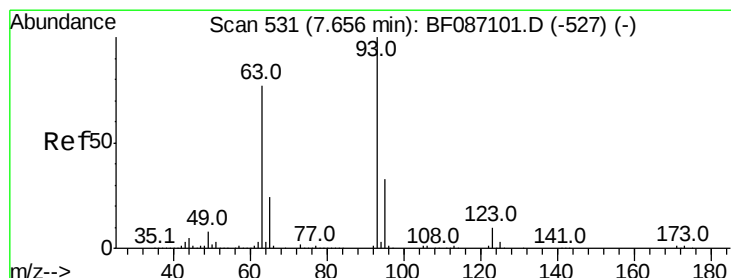
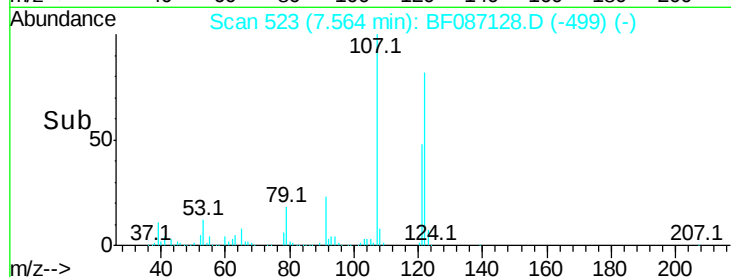
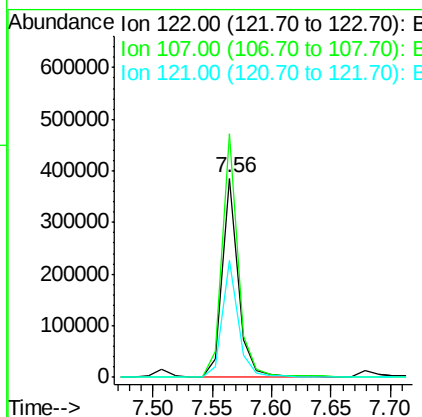
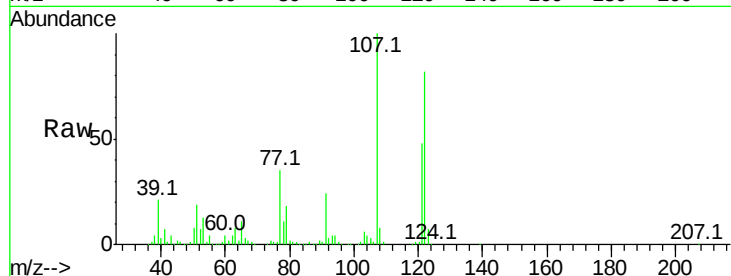
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	122.3	82.0	123.0	
121	58.7	46.1	69.1	



#28

bis(2-Chloroethoxy)methane

Concen: 47.30 ng

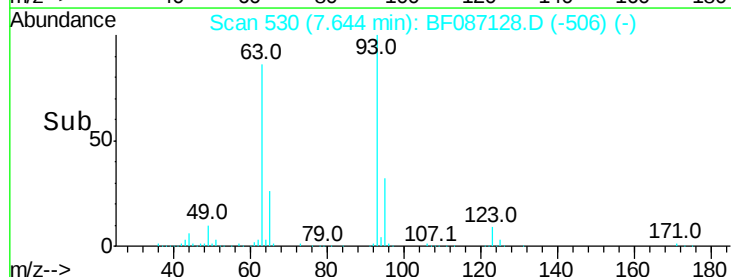
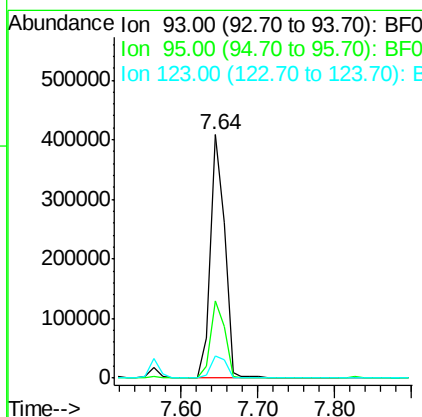
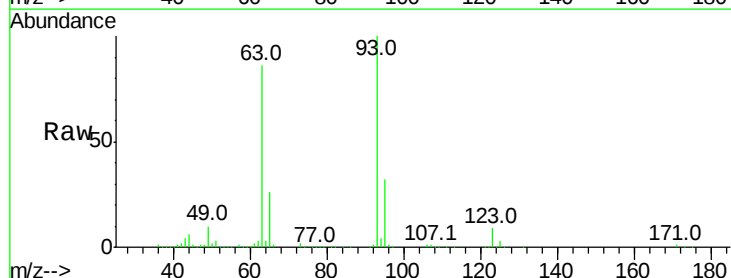
RT: 7.64 min Scan# 530

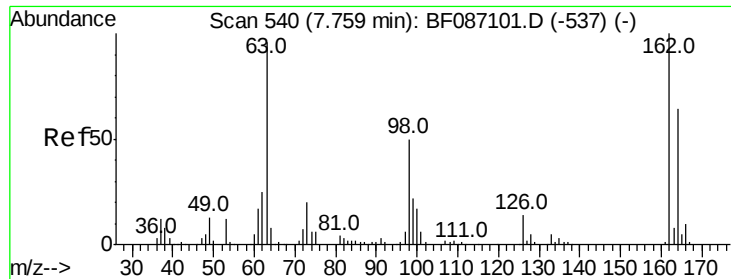
Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

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





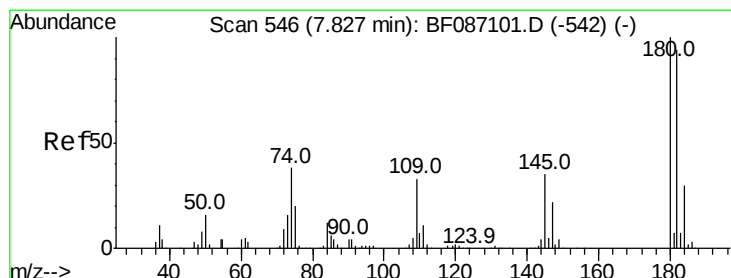
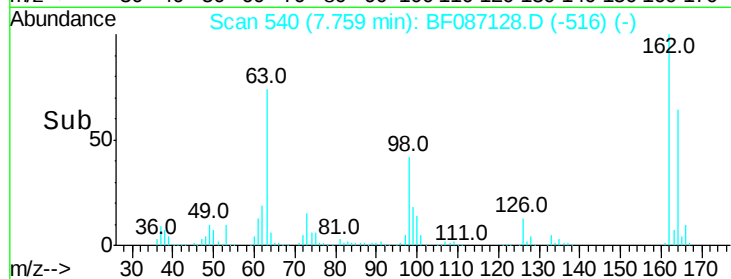
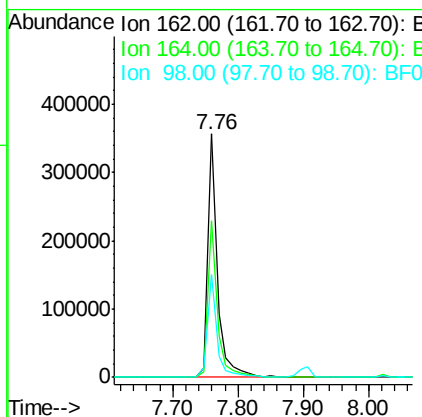
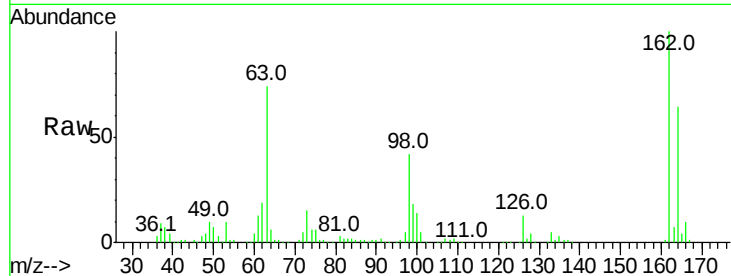
#29
 2,4-Dichlorophenol
 Concen: 49.31 ng
 RT: 7.76 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

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

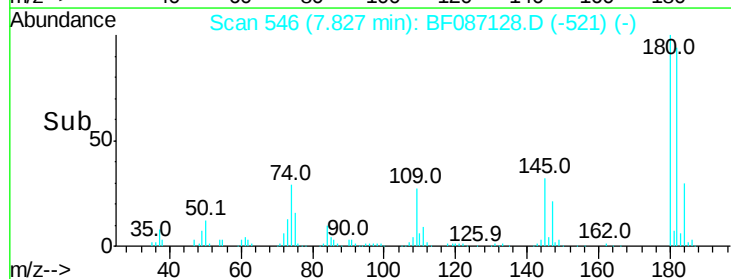
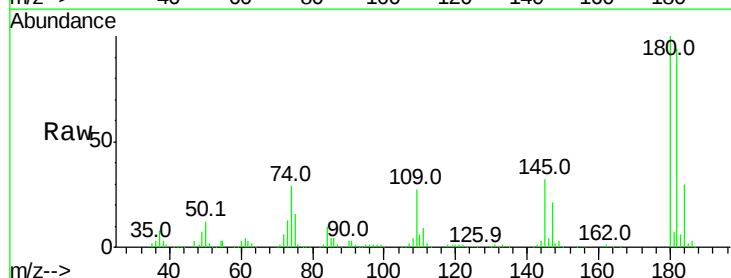
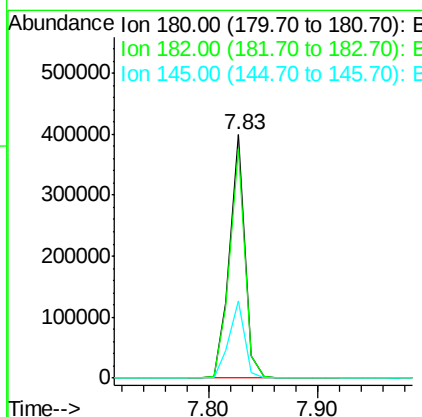
Manual Integrations
 APPROVED

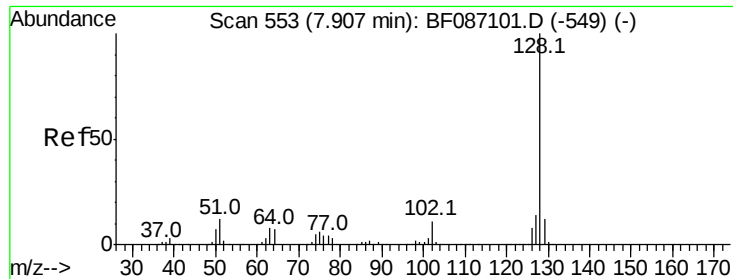
sohil
 5/18/2016 6:59:23 PM



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

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





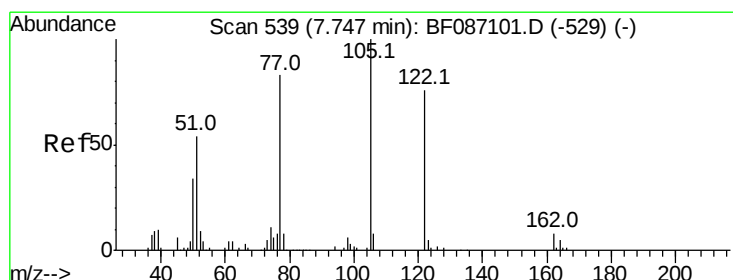
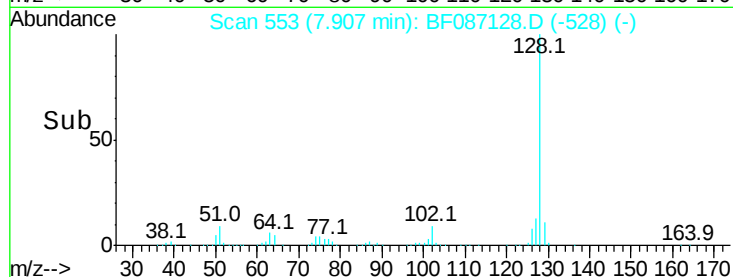
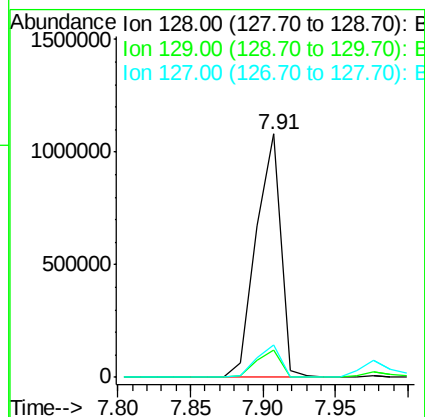
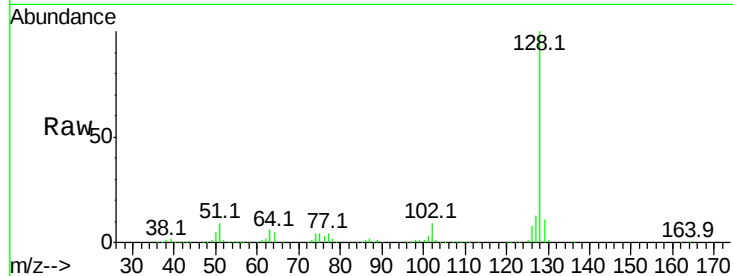
#31
Naphthalene
Concen: 47.81 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.5	10.8	16.2

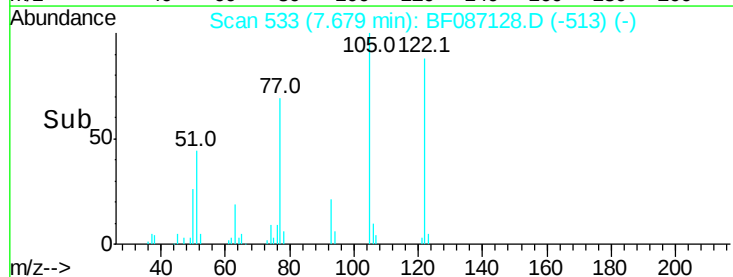
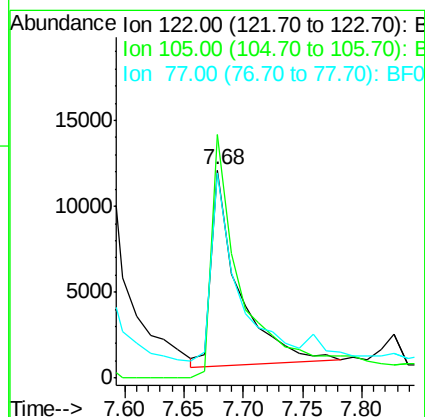
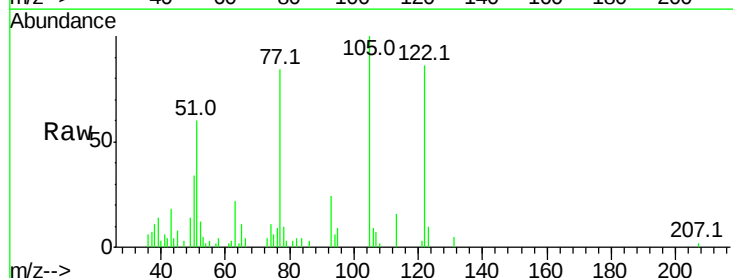
Manual Integrations
APPROVED

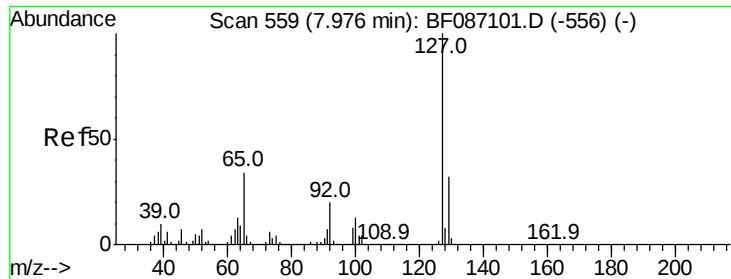
sohil
5/18/2016 6:59:23 PM



#32
Benzoic acid
Concen: 3.67 ng
RT: 7.68 min Scan# 533
Delta R.T. -0.07 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.8	92.6	132.6
77	98.3	60.0	100.0





#33

4-Chloroaniline

Concen: 12.22 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

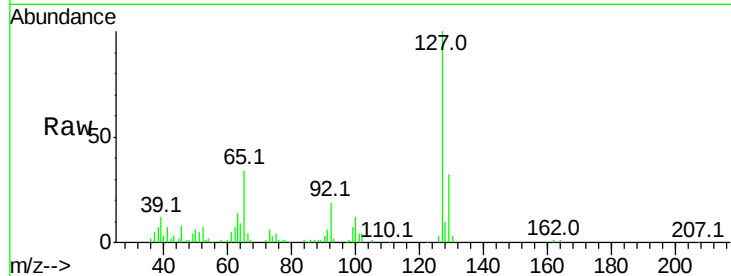
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

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

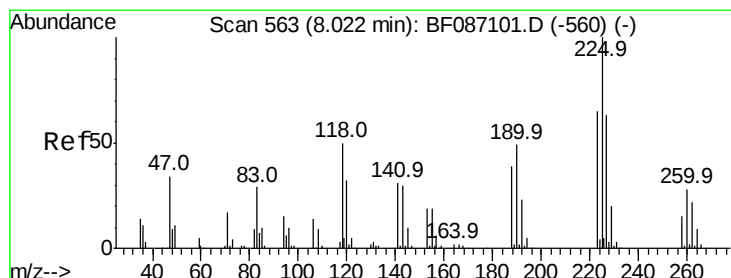
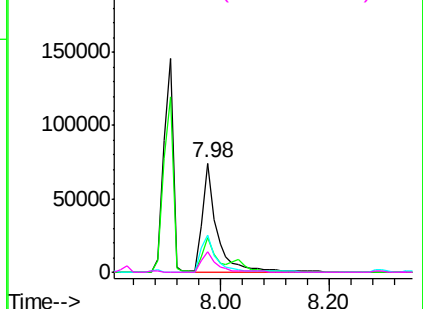
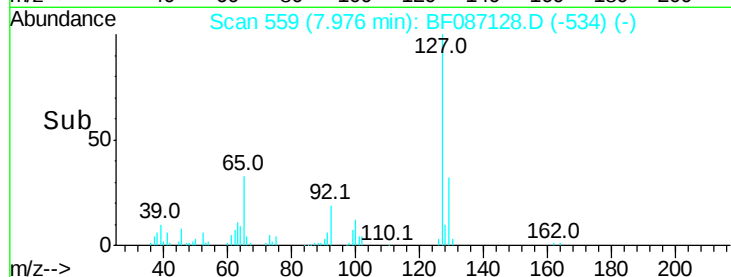


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 45.75 ng

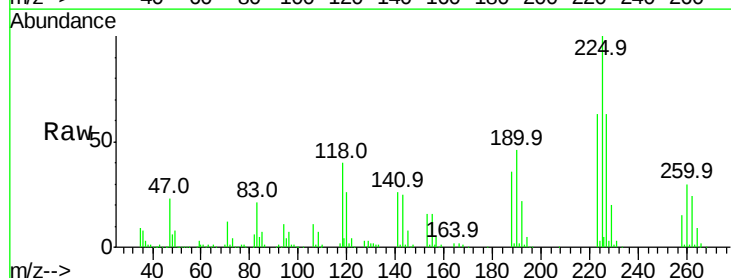
RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

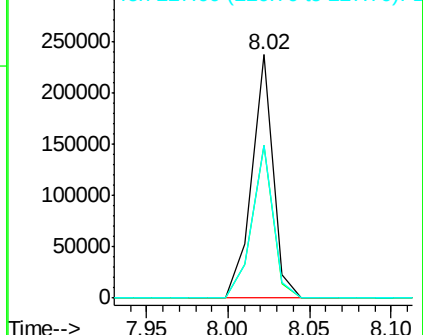
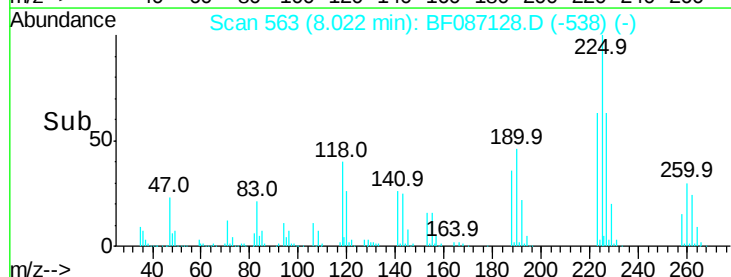
Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	51.5	77.3	
227	62.7	52.2	78.2	

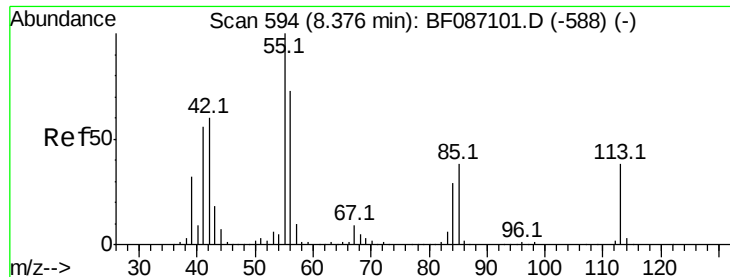


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





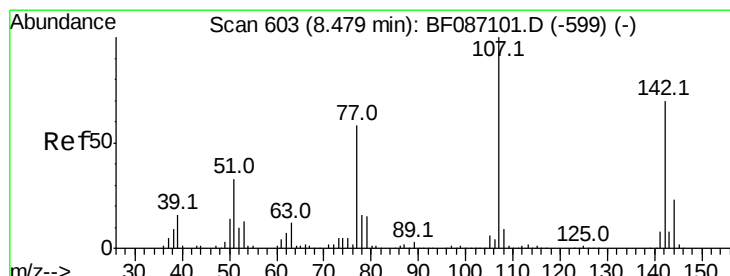
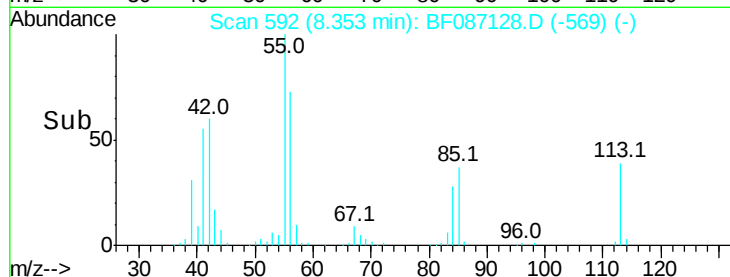
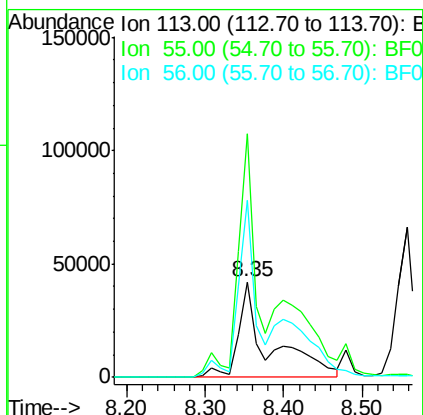
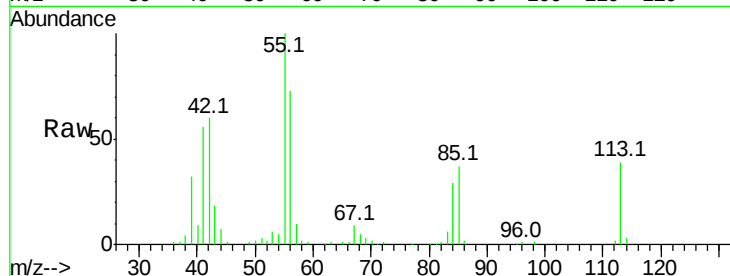
#35
 Caprolactam
 Concen: 46.16 ng/ml
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

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

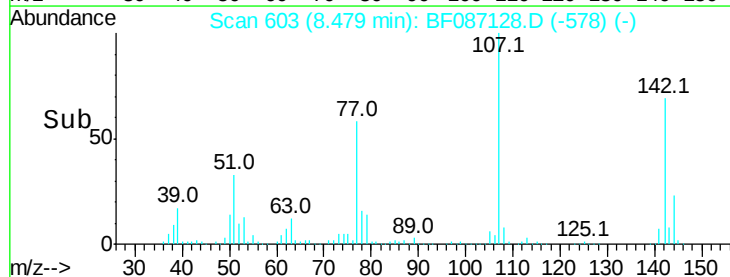
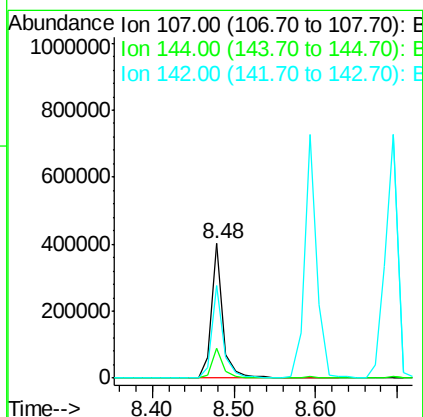
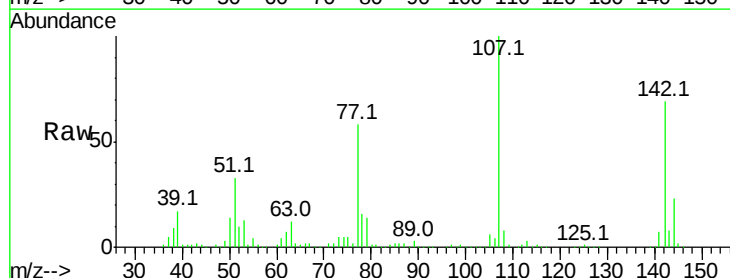
Manual Integrations
 APPROVED

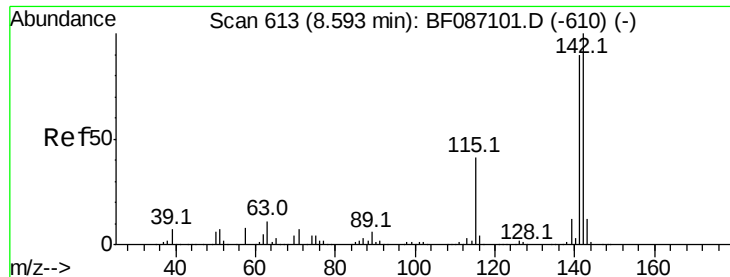
sohil
 5/18/2016 6:59:23 PM



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

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





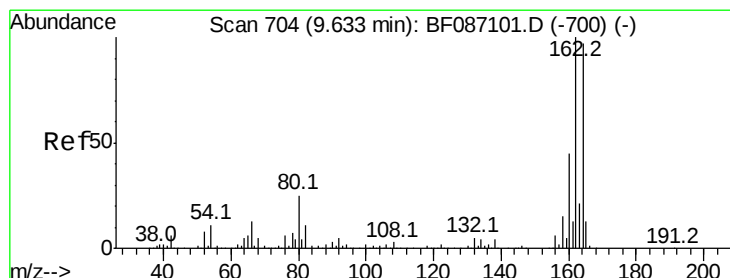
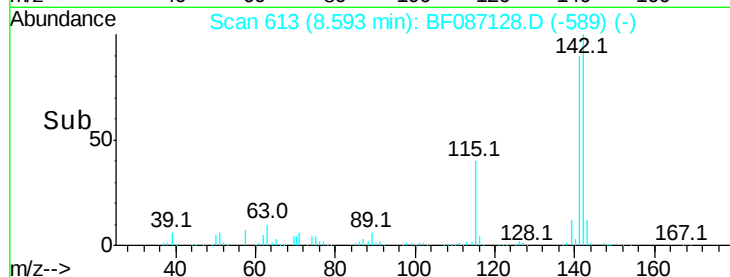
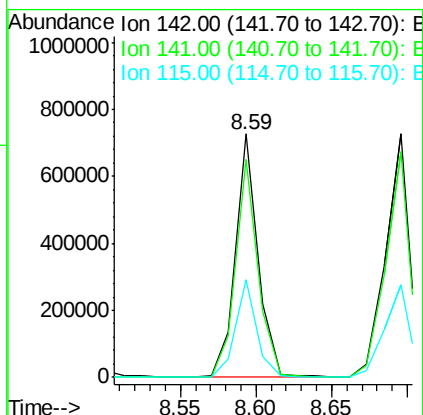
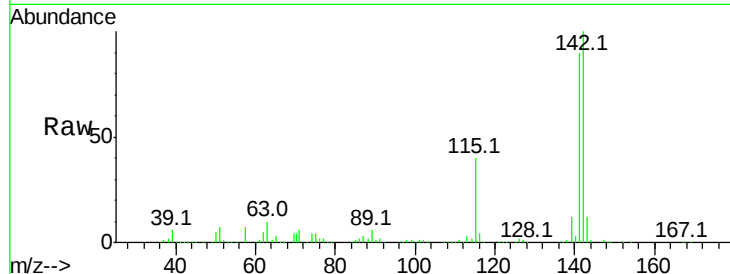
#37
2-Methylnaphthalene
Concen: 44.37 ng
RT: 8.59 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp	Lower	Upper
142	100	757581		
141	89.8		71.0	106.6
115	40.0		26.6	39.8

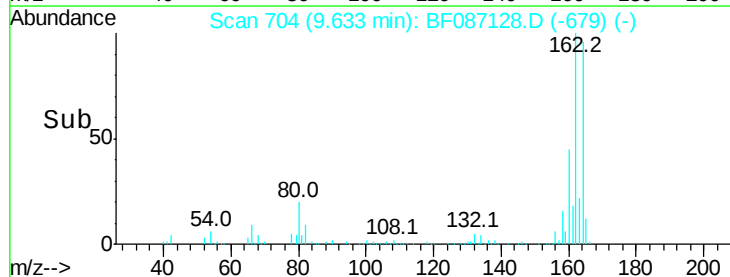
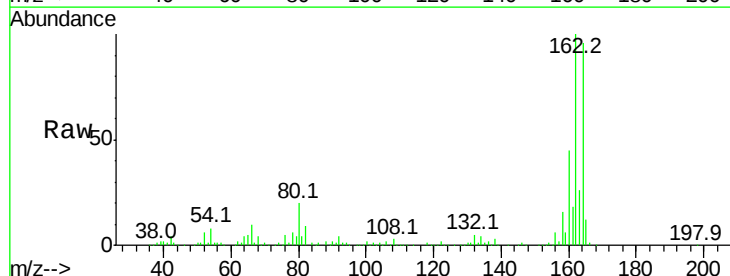
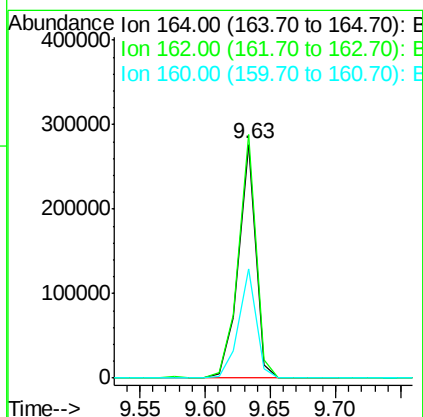
Manual Integrations
APPROVED

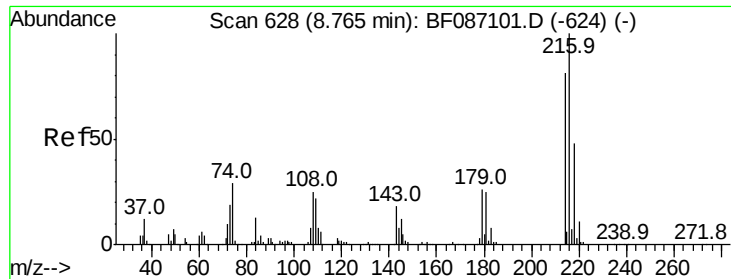
sohil
5/18/2016 6:59:23 PM



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

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254632		
162	104.2		82.8	124.2
160	46.7		36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.40 ng

RT: 8.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

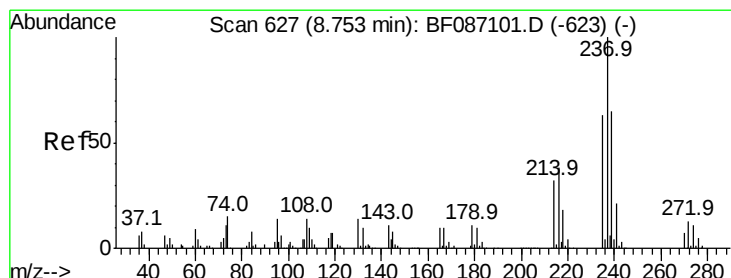
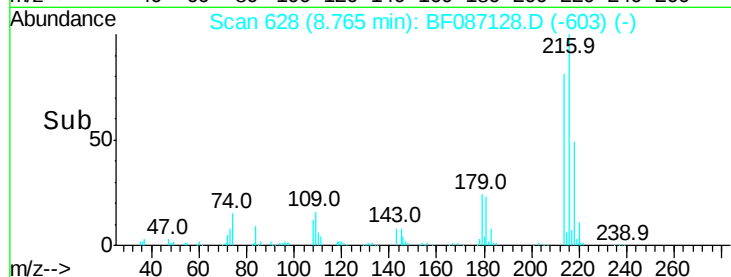
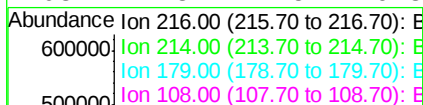
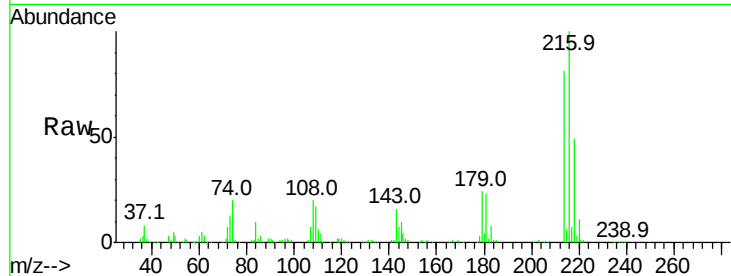
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

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



#40

Hexachlorocyclopentadiene

Concen: 86.26 ng

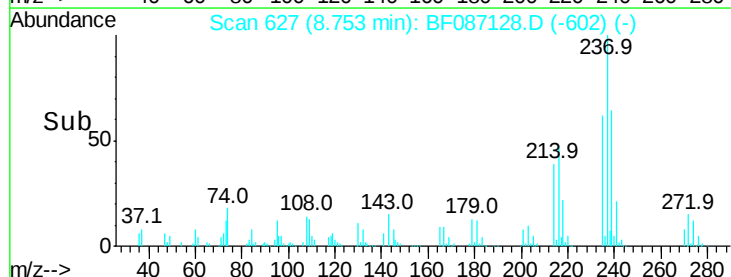
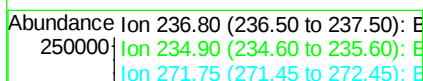
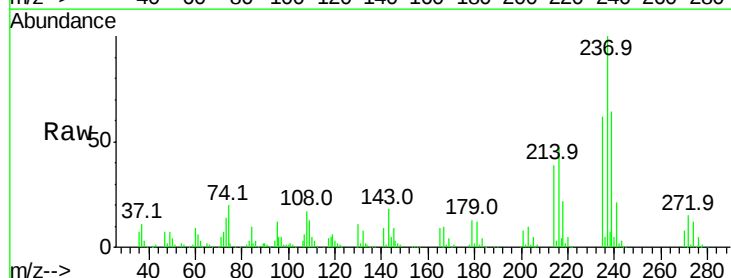
RT: 8.75 min Scan# 627

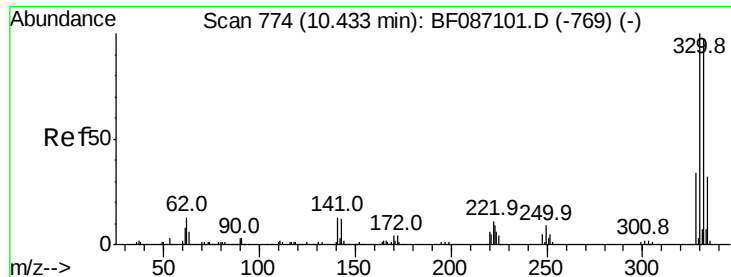
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

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





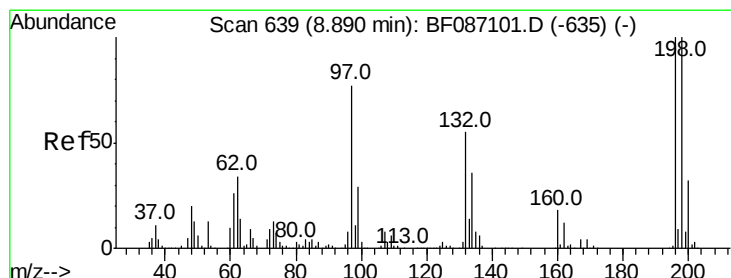
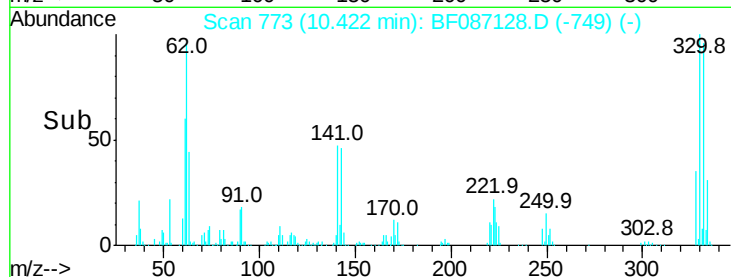
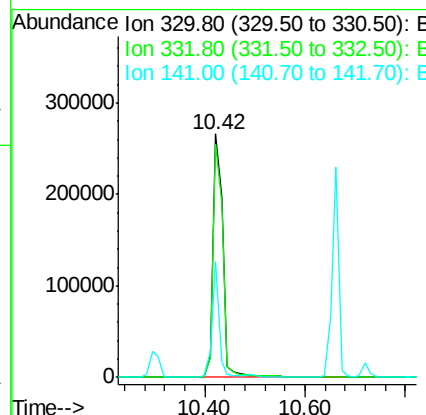
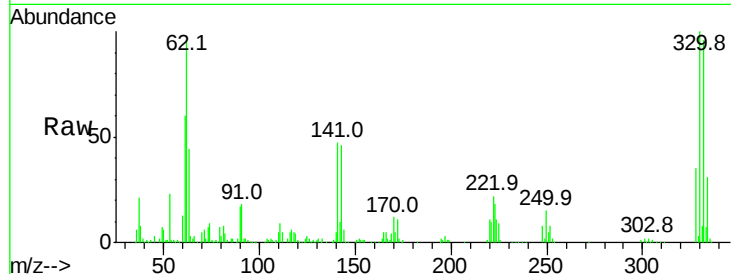
#41
 2,4,6-Tribromophenol
 Concen: 128.92 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	362769		
332	95.7	79.0	118.4	
141	34.4	31.2	46.8	

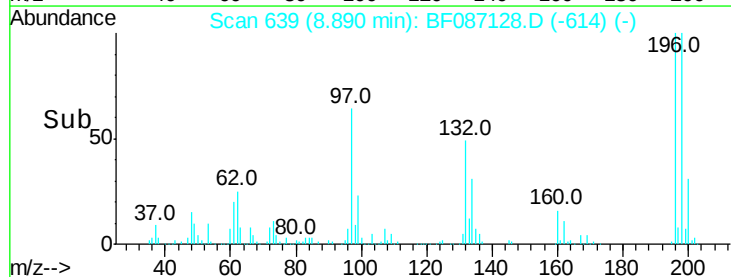
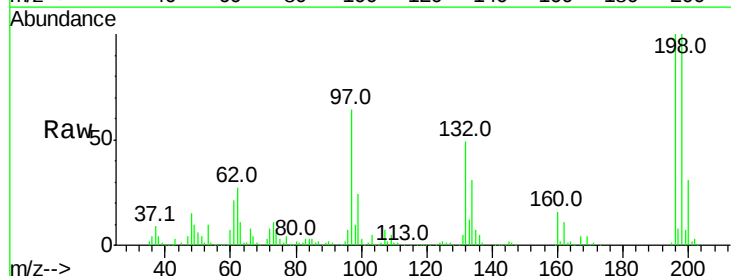
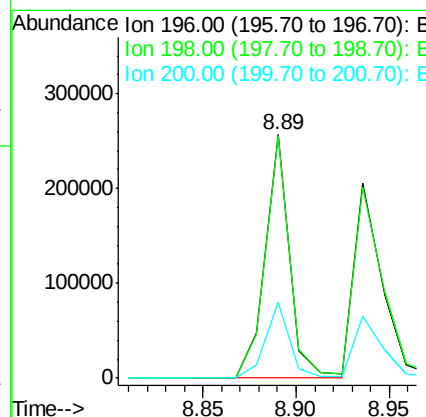
Manual Integrations
 APPROVED

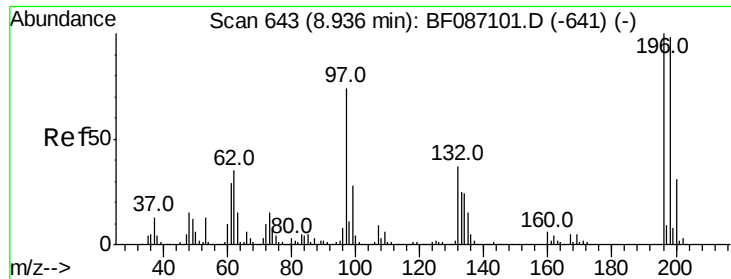
sohil
 5/18/2016 6:59:23 PM



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

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	235958		
198	99.5	74.7	112.1	
200	31.1	23.8	35.6	





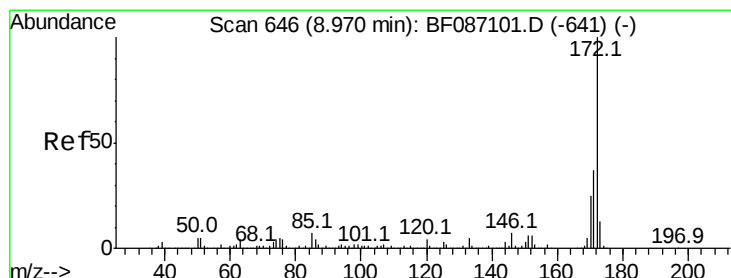
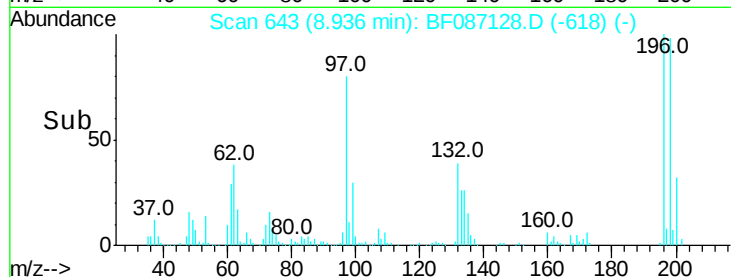
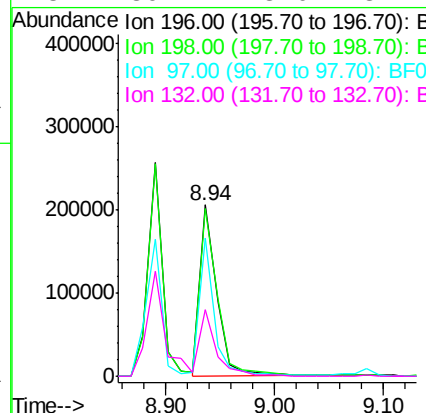
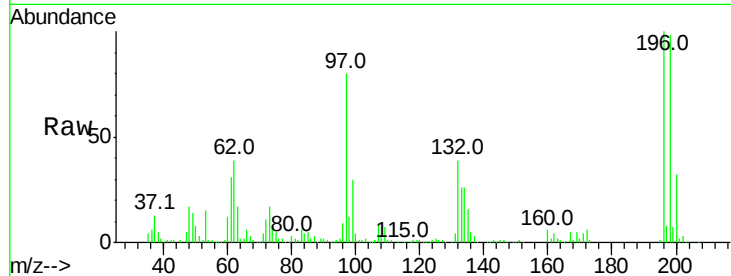
#43
 2,4,5-Trichlorophenol
 Concen: 44.67 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp	Lower	Upper
196	100	223796		
198	97.9	77.5	116.3	
97	80.5	34.8	52.2	
132	39.1	23.0	34.4	

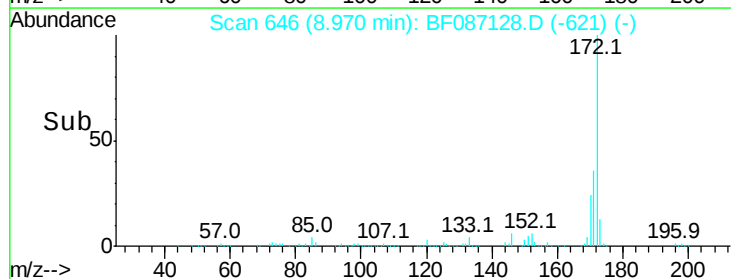
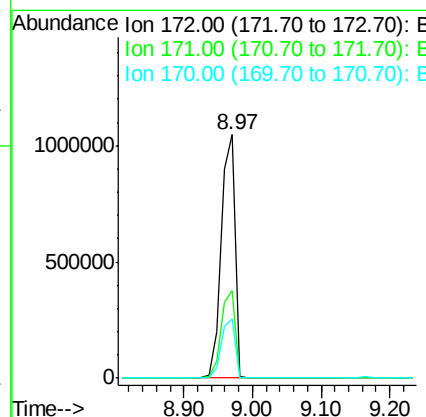
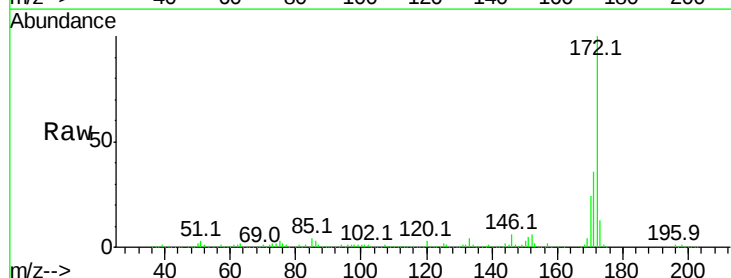
Manual Integrations
 APPROVED

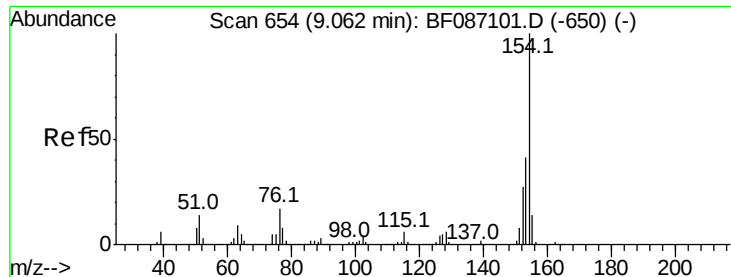
sohil
 5/18/2016 6:59:23 PM



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

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1495745		
171	36.1	29.0	43.6	
170	24.2	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 44.64 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

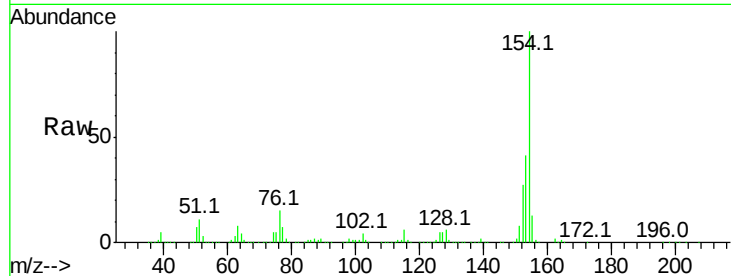
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

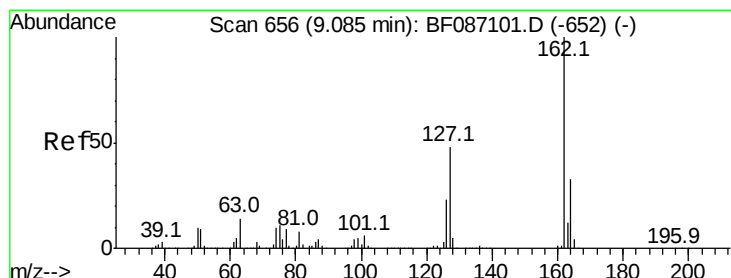
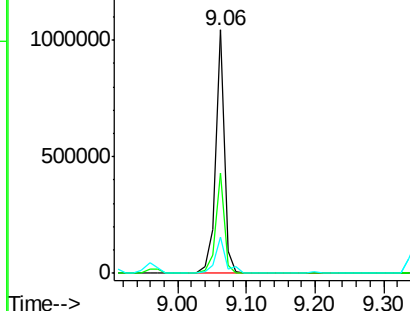
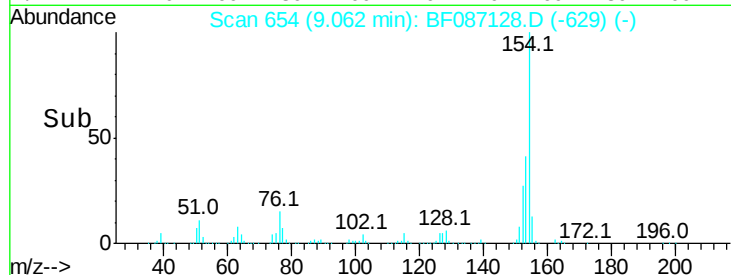
Tot Ion:	154	Resp:	942559
Ion Ratio	Lower	Upper	
154	100		
153	41.3	20.3	60.3
76	15.1	0.0	30.2

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 46.12 ng

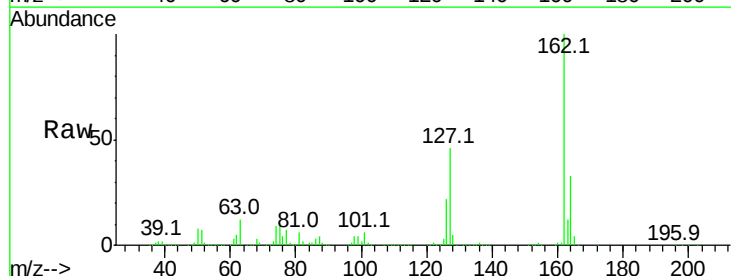
RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

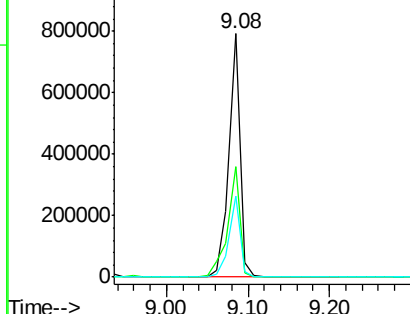
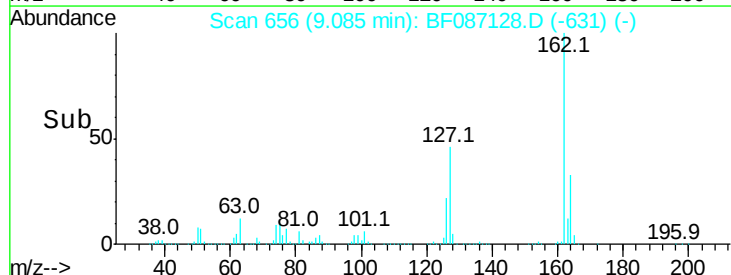
Lab File: BF087128.D

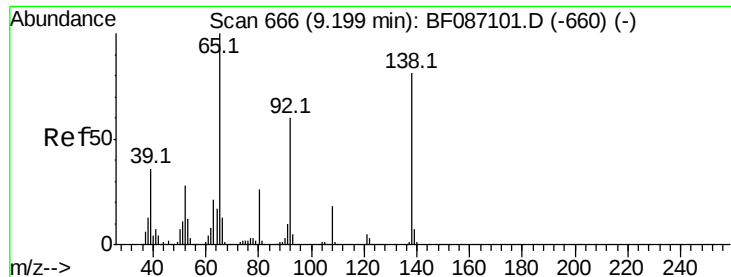
Acq: 18 May 2016 3:46

Tgt Ion:	162	Resp:	747623
Ion Ratio	Lower	Upper	
162	100		
127	45.6	31.8	47.6
164	33.3	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





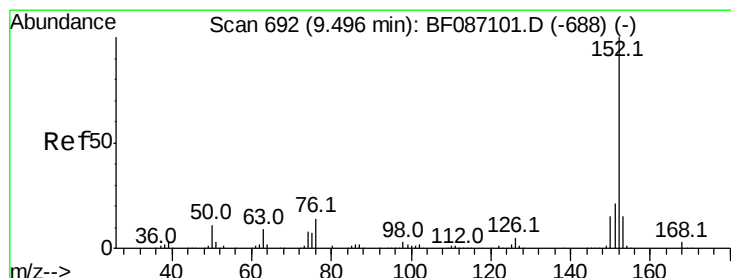
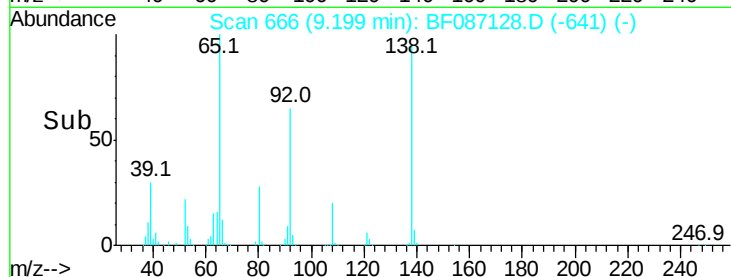
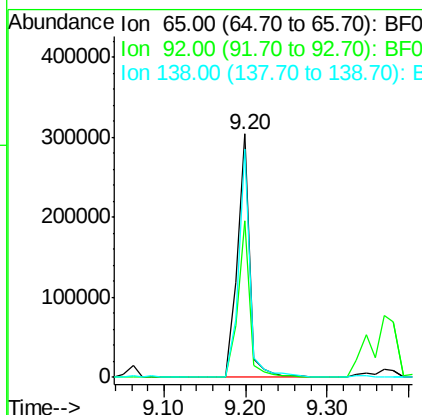
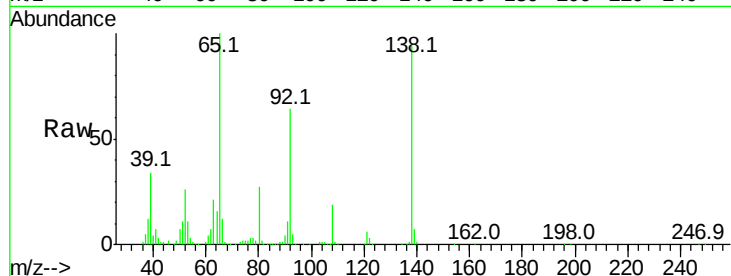
#47
2-Nitroaniline
Concen: 52.25 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	64.1	57.4	86.2
138	93.9	90.1	135.1

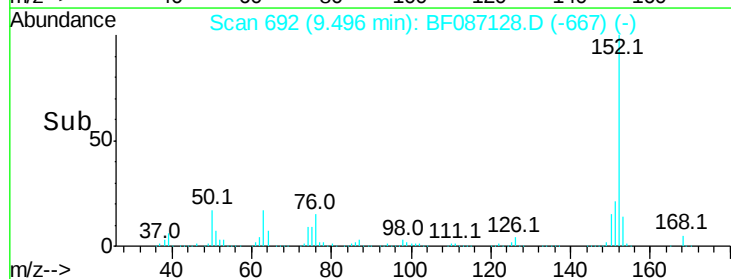
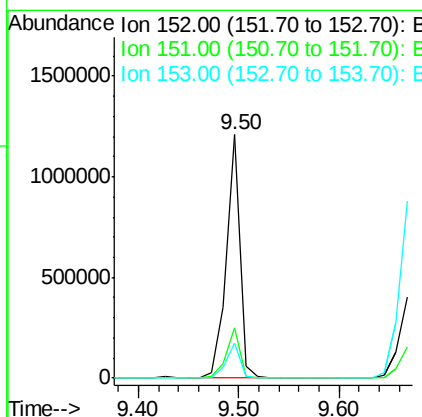
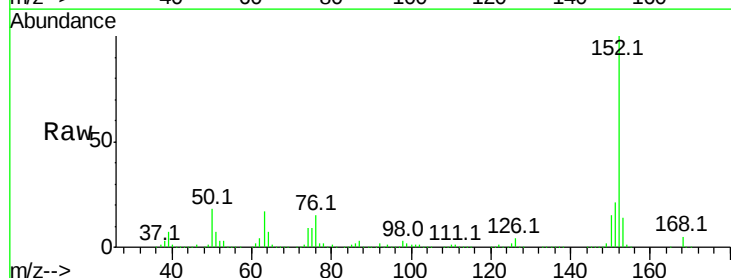
Manual Integrations
APPROVED

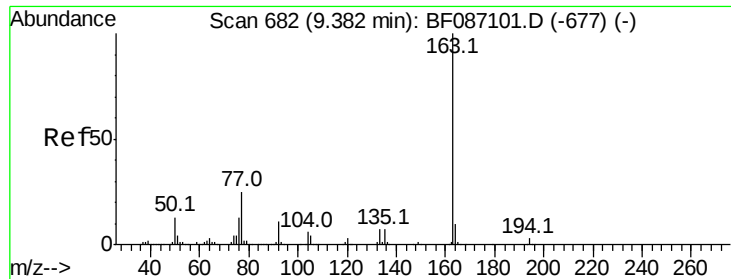
sohil
5/18/2016 6:59:23 PM



#48
Acenaphthylene
Concen: 46.20 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	14.3	10.9	16.3





#49

Dimethylphthalate

Concen: 58.56 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

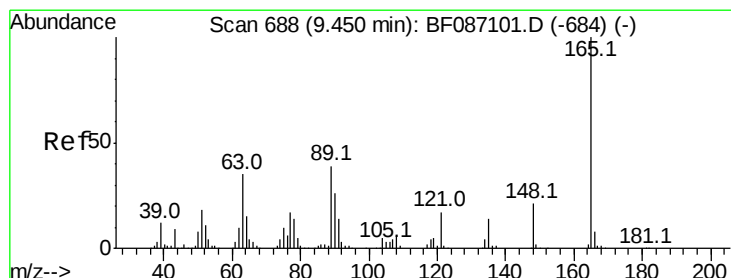
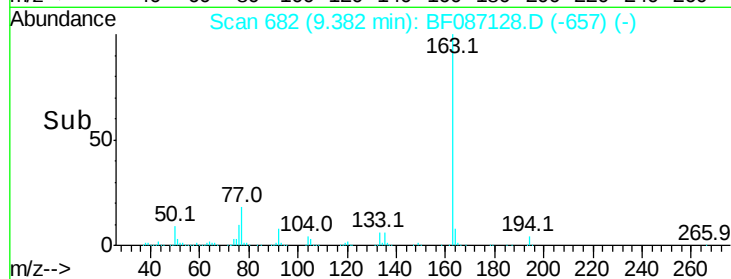
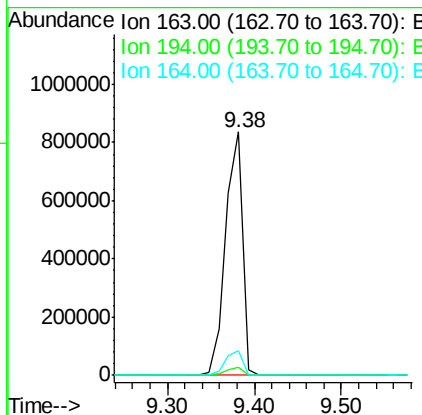
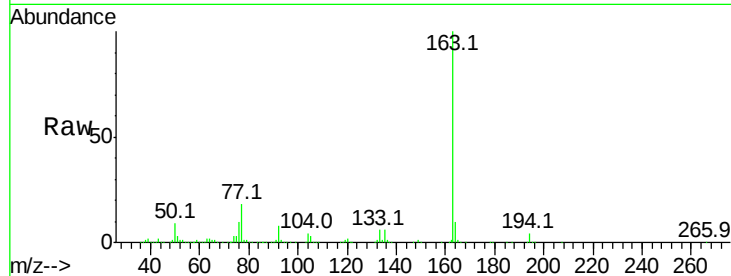
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion:163	Resp: 1137497		
Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.0	8.2	12.4



#50

2,6-Dinitrotoluene

Concen: 43.45 ng

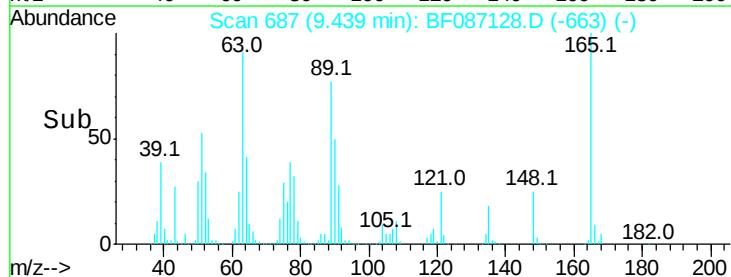
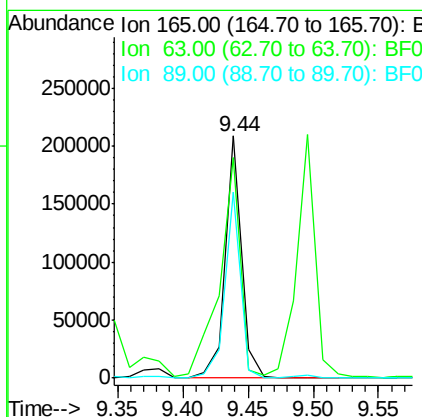
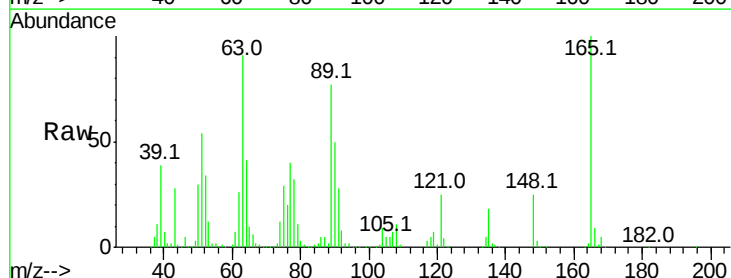
RT: 9.44 min Scan# 687

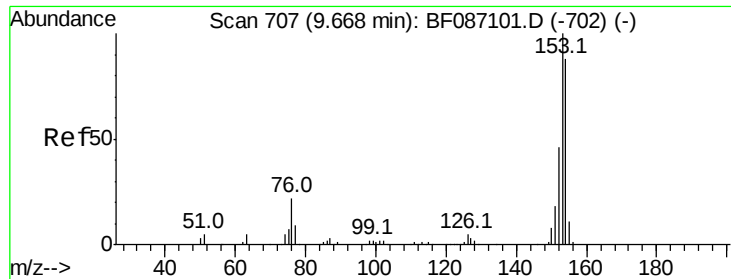
Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:165	Resp: 183242		
Ion	Ratio	Lower	Upper
165	100		
63	91.2	51.8	77.8#
89	76.7	50.7	76.1#





#51

Acenaphthene

Concen: 47.49 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

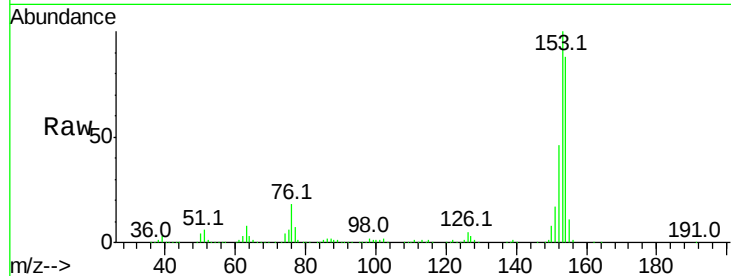
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

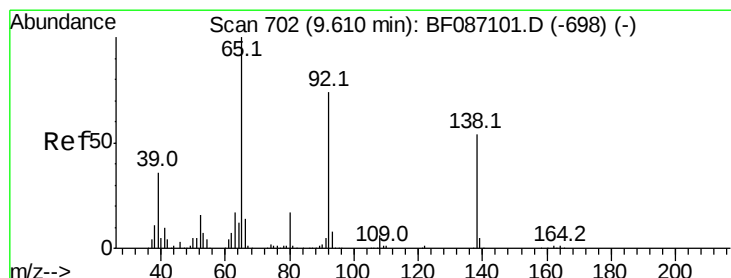
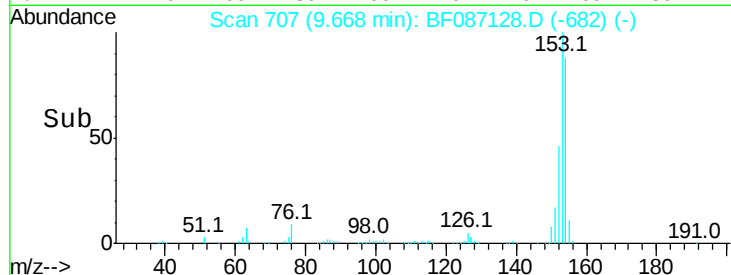
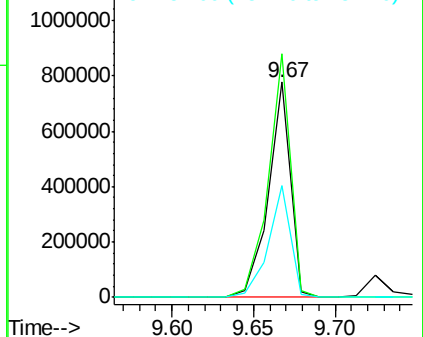
Tot Ion:	154	Resp:	734379
Ion Ratio	Lower	Upper	
154	100		
153	113.3	89.8	134.6
152	52.3	43.4	65.0

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



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: 29.76 ng

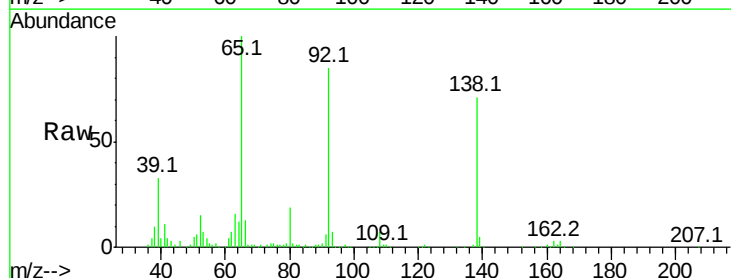
RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

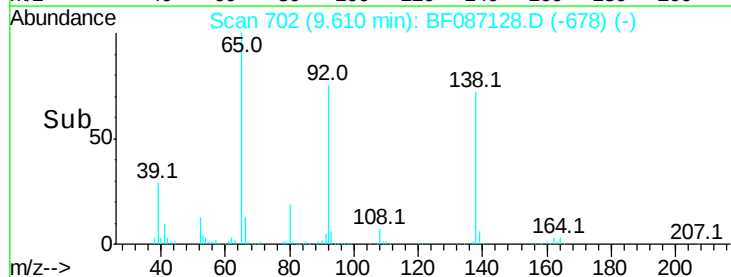
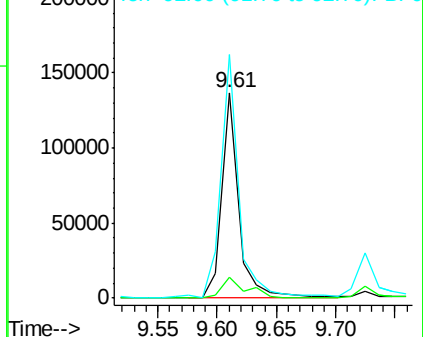
Lab File: BF087128.D

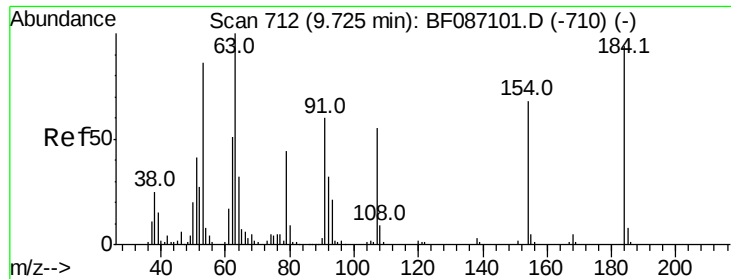
Acq: 18 May 2016 3:46

Tgt Ion:	138	Resp:	135876
Ion Ratio	Lower	Upper	
138	100		
108	10.3	7.8	11.6
92	118.5	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





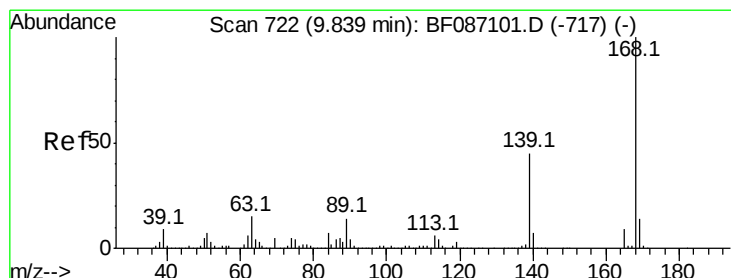
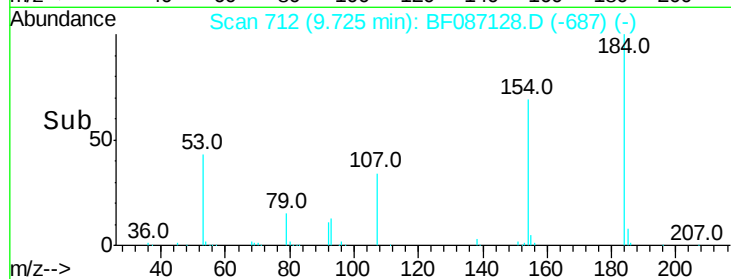
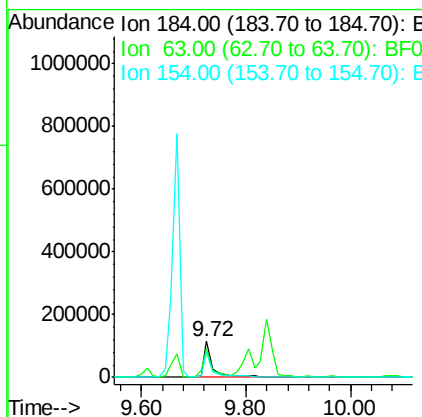
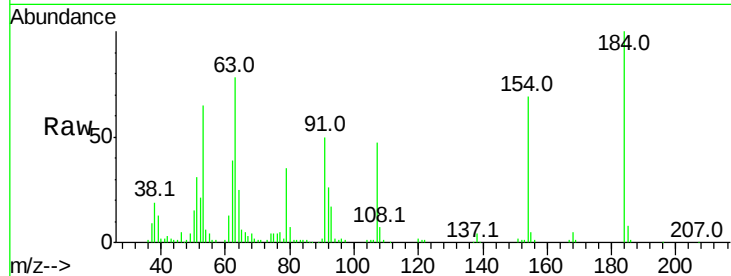
#53
2,4-Dinitrophenol
Concen: 61.71 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp	Lower	Upper
184	100	146346		
63	78.4	55.8	83.8	
154	68.6	62.4	93.6	

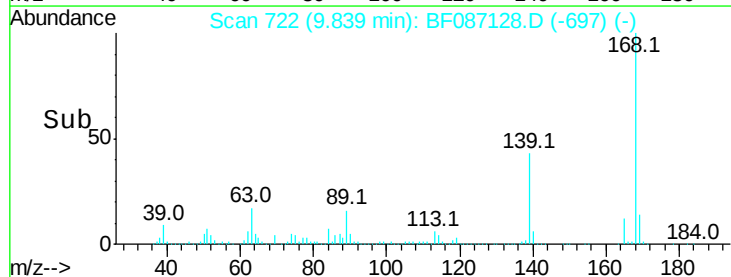
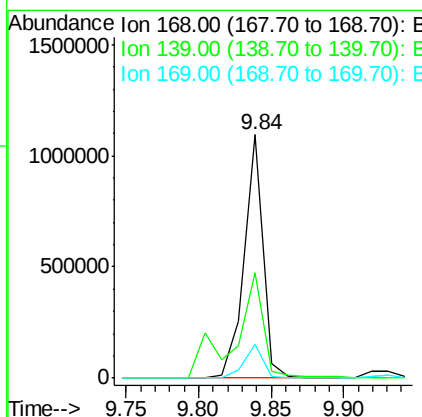
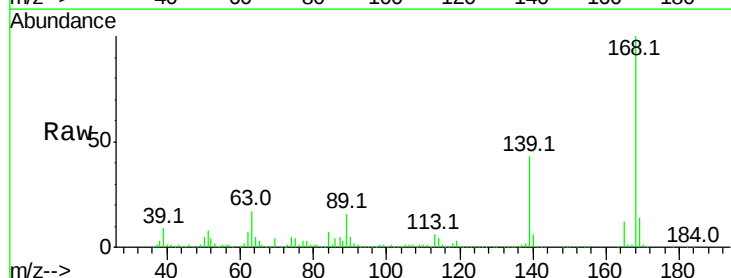
Manual Integrations
APPROVED

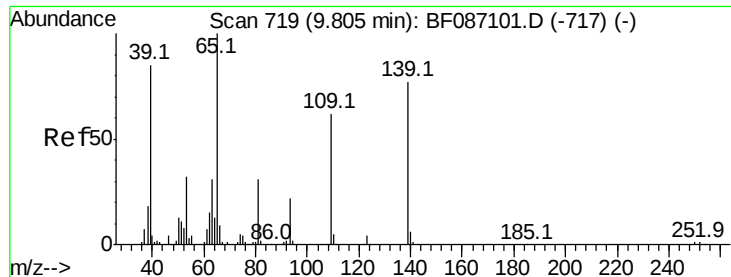
sohil
5/18/2016 6:59:23 PM



#54
Dibenzofuran
Concen: 49.58 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	991310		
139	43.2	31.4	47.0	
169	13.7	10.7	16.1	





#55

4-Nitrophenol

Concen: 66.49 ng/mL

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

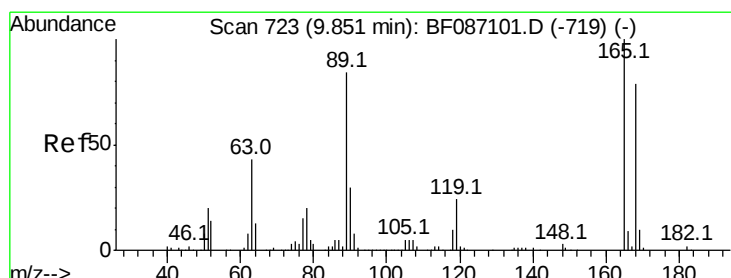
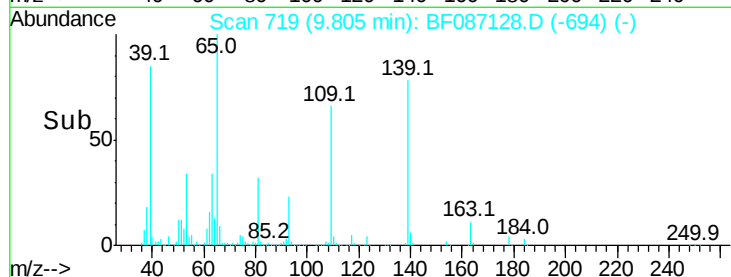
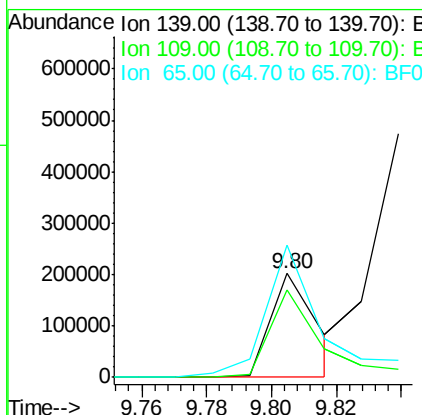
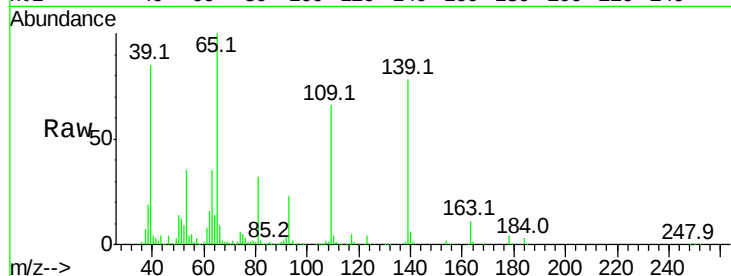
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion:	139	Resp:	198040
Ion Ratio	Lower	Upper	
139	100		
109	84.0	36.9	76.9#
65	127.8	64.0	104.0#



#56

2,4-Dinitrotoluene

Concen: 48.38 ng/mL

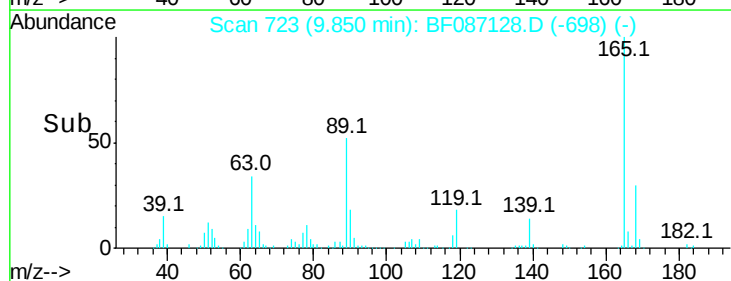
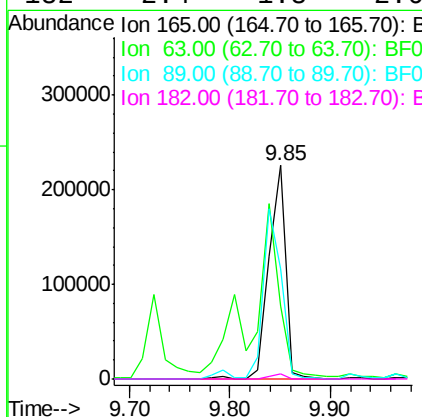
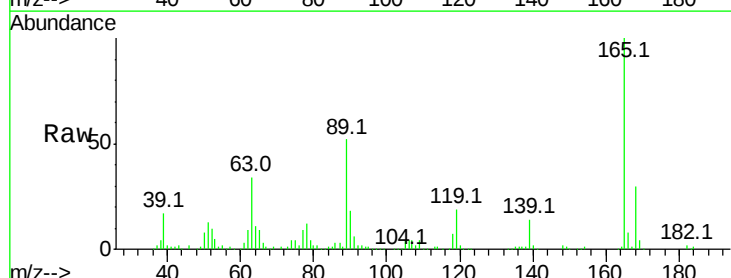
RT: 9.85 min Scan# 723

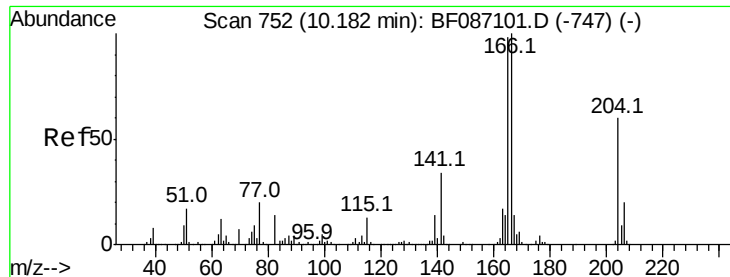
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:	165	Resp:	261323
Ion Ratio	Lower	Upper	
165	100		
63	34.2	44.3	66.5#
89	51.6	70.0	105.0#
182	2.4	1.8	2.6





#57

Fluorene

Concen: 50.51 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

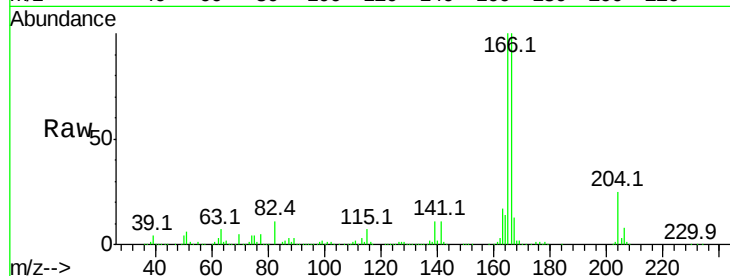
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion:	166	Resp:	811491
Ion Ratio	Lower	Upper	
166	100		
165	99.6	79.0	118.6
167	13.4	10.6	15.8

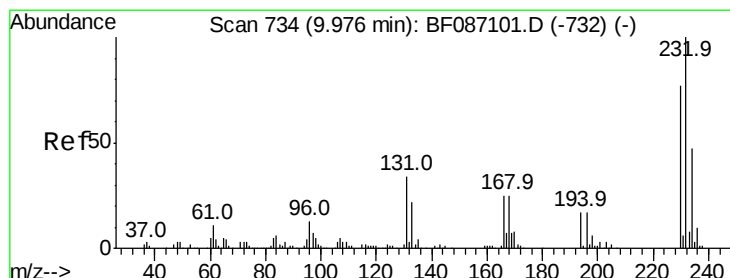
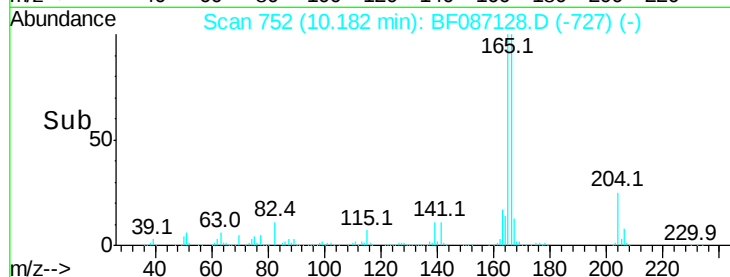
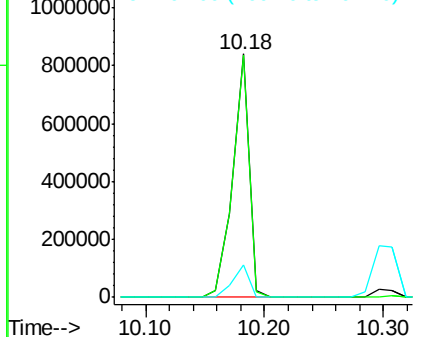


Abundance

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: 49.83 ng

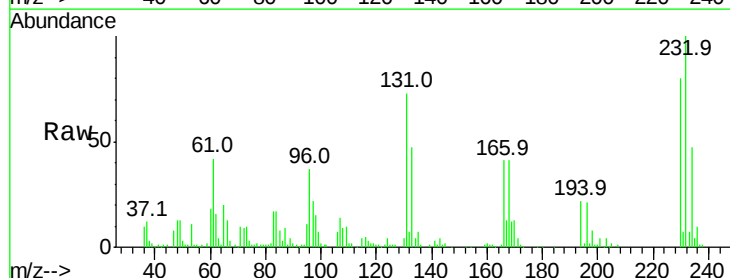
RT: 9.96 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:	232	Resp:	194443
Ion Ratio	Lower	Upper	
232	100		
131	54.9	41.9	62.9
130	2.6	2.2	3.4
166	30.9	26.8	40.2



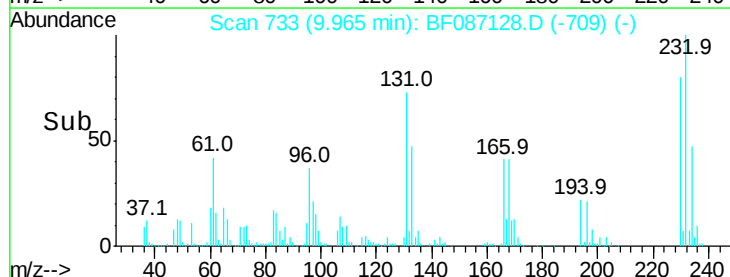
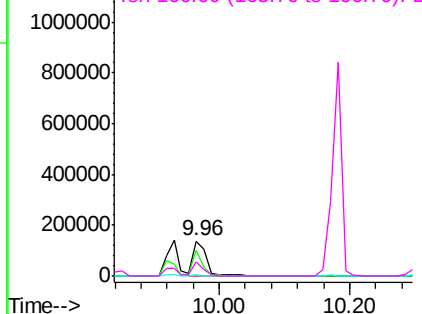
Abundance

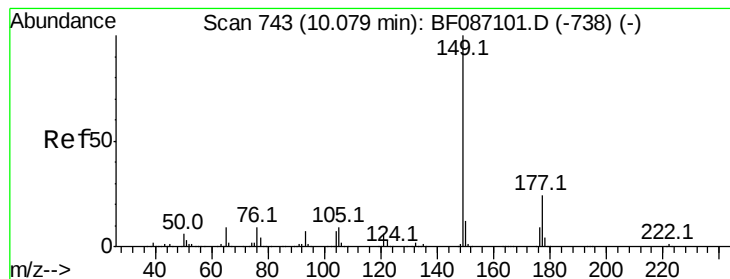
Ion 232.00 (231.70 to 232.70): E

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: 46.54 ng

RT: 10.07 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

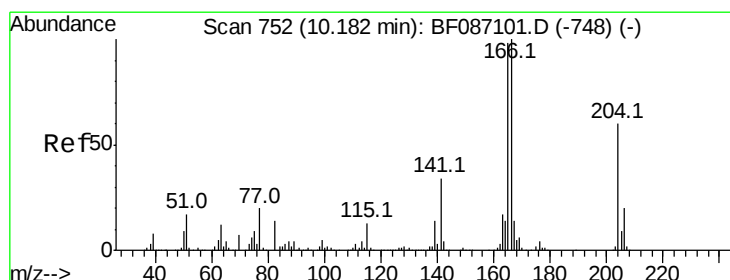
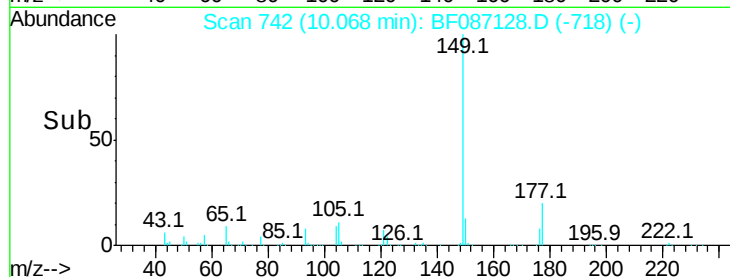
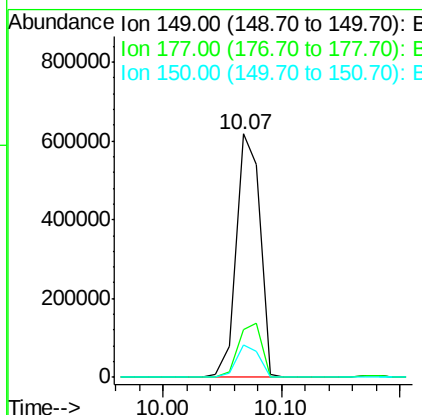
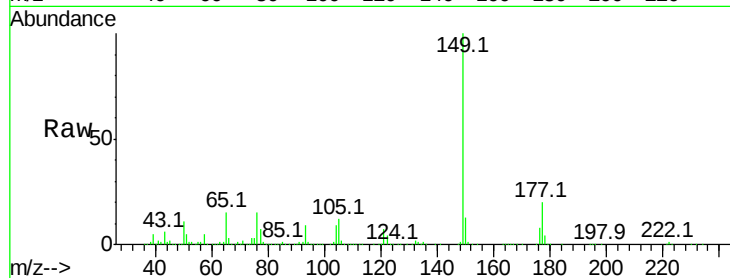
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion:	149	Resp:	863053
Ion Ratio	Lower	Upper	
149	100		
177	19.8	16.6	24.8
150	13.1	10.0	15.0

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#60

4-Chlorophenyl-phenylether

Concen: 43.88 ng

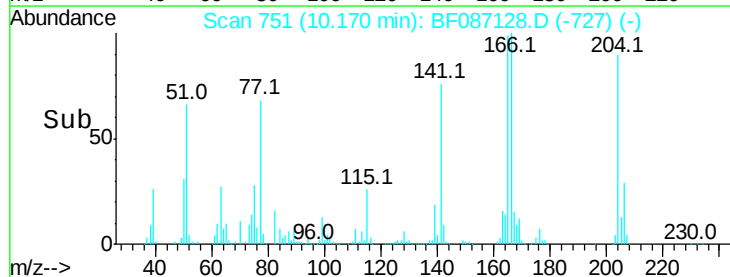
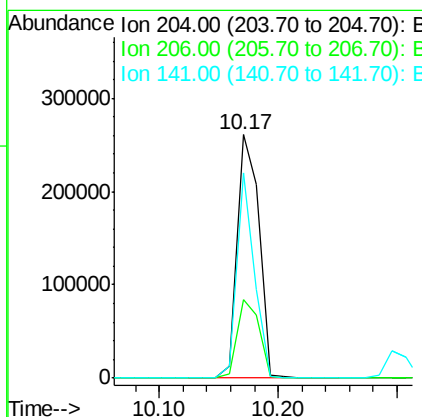
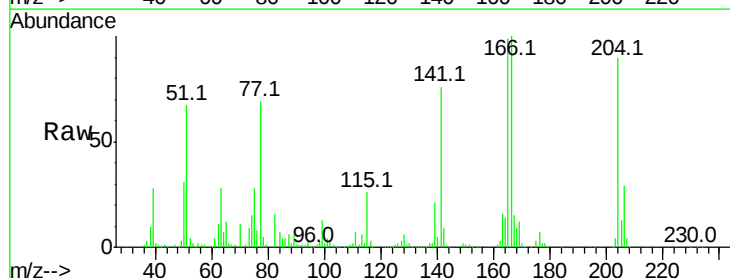
RT: 10.17 min Scan# 751

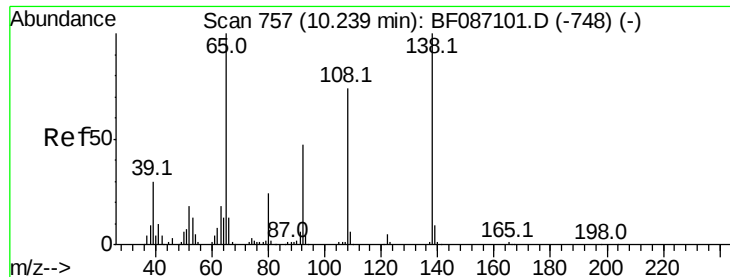
Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:	204	Resp:	334153
Ion Ratio	Lower	Upper	
204	100		
206	32.3	25.4	38.0
141	84.4	61.6	92.4





#61

4-Nitroaniline

Concen: 45.01 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

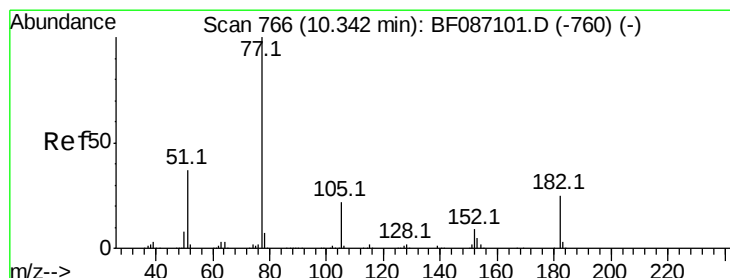
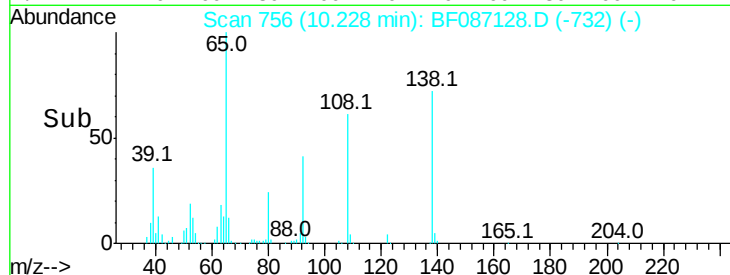
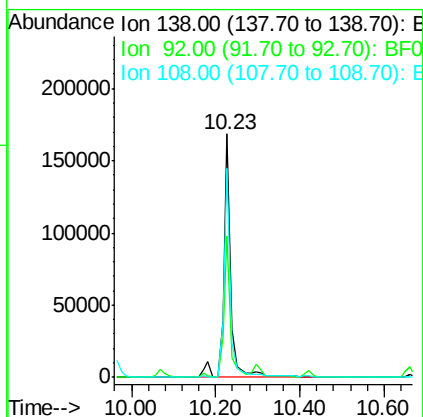
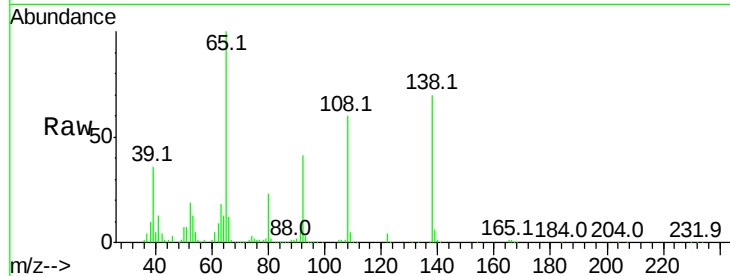
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion:	138	Resp:	202925
Ion Ratio	Lower	Upper	
138	100		
92	57.9	24.7	64.7
108	86.1	37.4	77.4#

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#62

Azobenzene

Concen: 46.24 ng

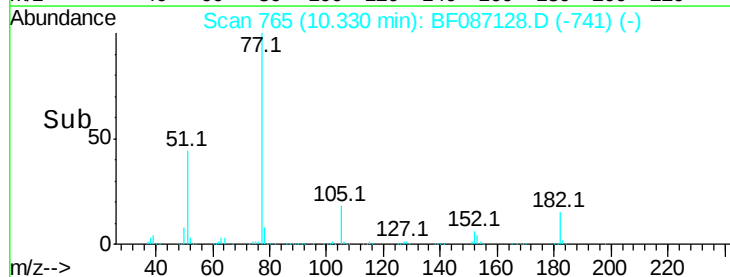
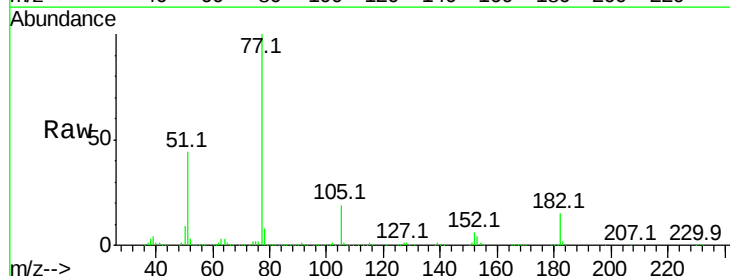
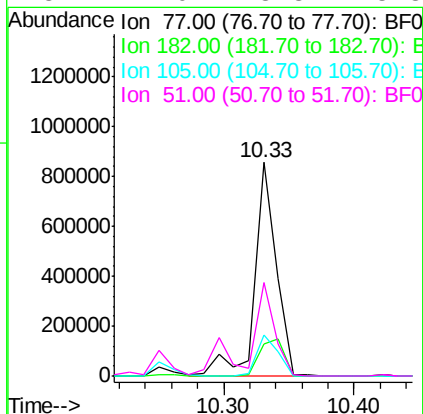
RT: 10.33 min Scan# 765

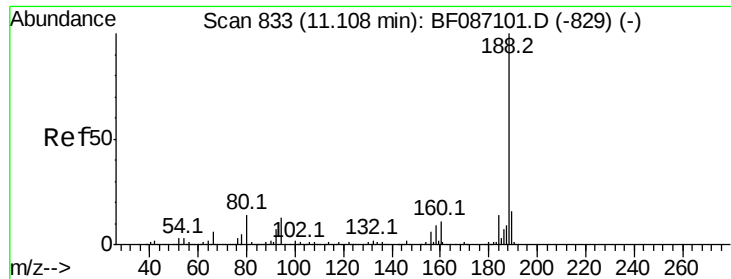
Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:	77	Resp:	988137
Ion Ratio	Lower	Upper	
77	100		
182	15.2	0.0	38.8
105	19.3	3.2	43.2
51	44.0	8.8	48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

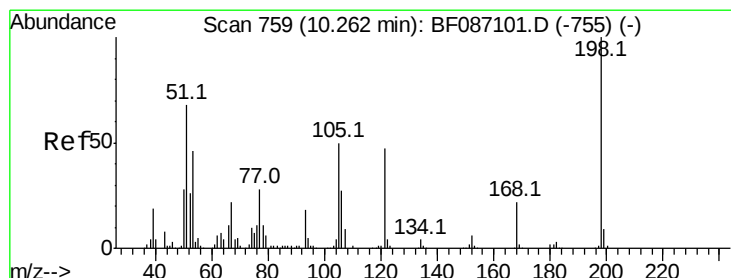
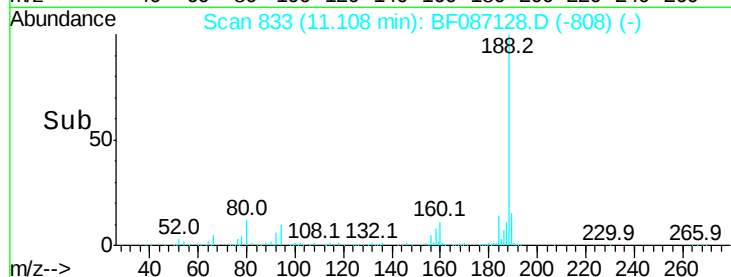
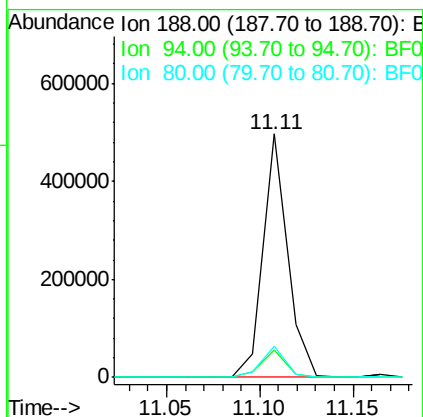
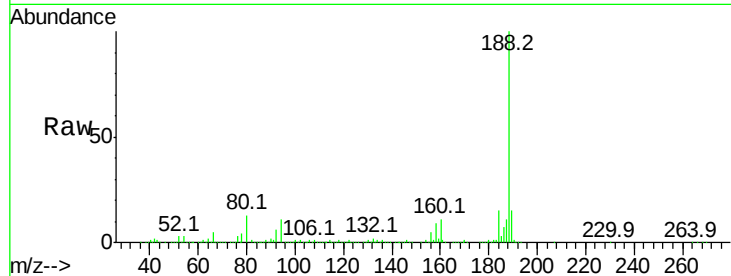
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion:188	Resp:	451492
Ion Ratio	Lower	Upper
188 100		
94 11.2	6.8	10.2#
80 12.5	7.1	10.7#

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 43.92 ng

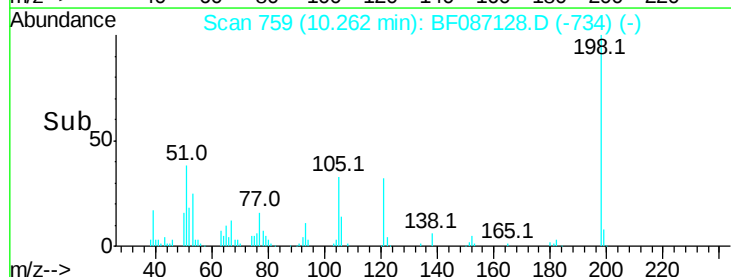
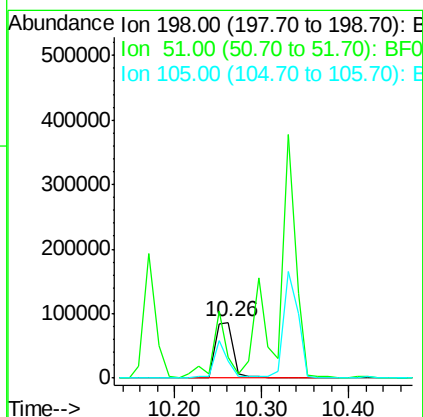
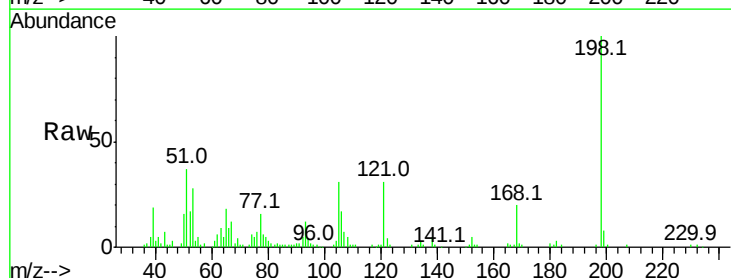
RT: 10.26 min Scan# 759

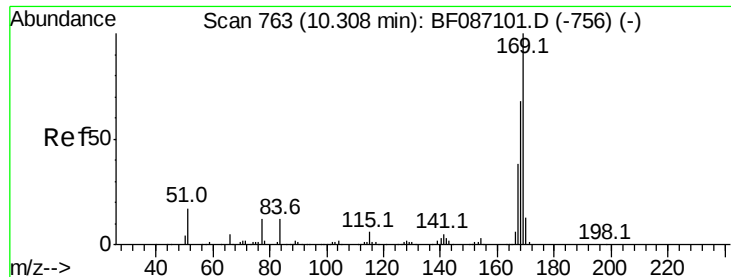
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:198	Resp:	130605
Ion Ratio	Lower	Upper
198 100		
51 37.1	20.5	60.5
105 30.8	24.5	64.5





#65

n-Nitrosodiphenylamine

Concen: 48.73 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

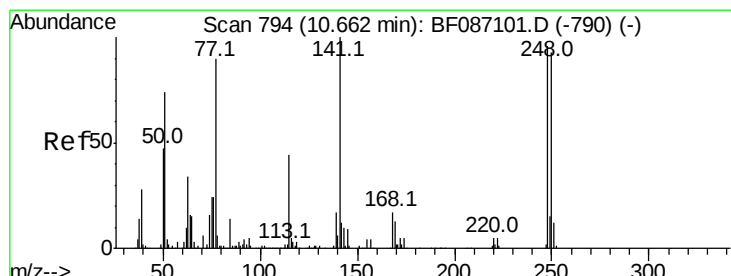
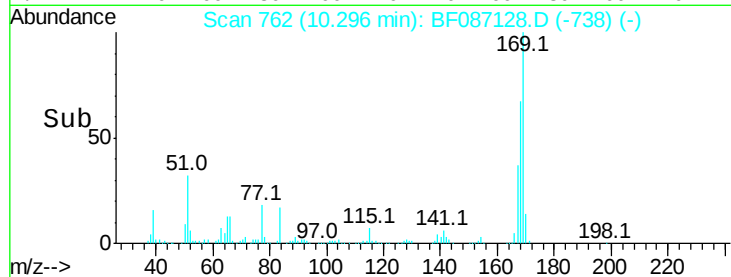
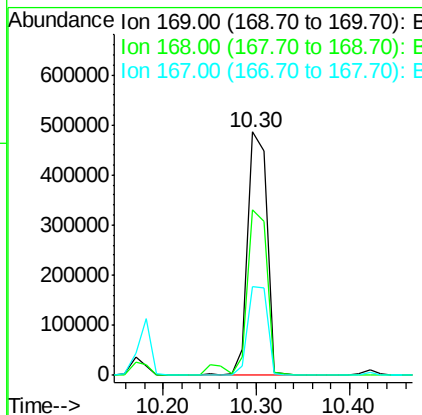
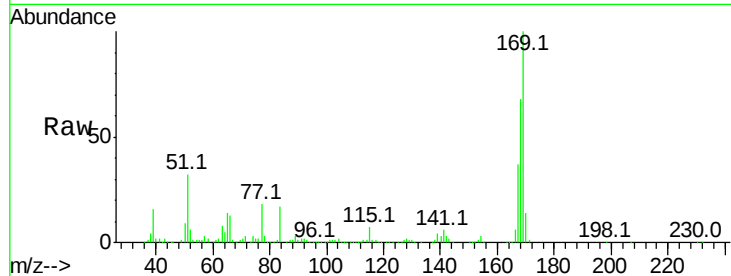
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		692356		
168	67.7	53.8	80.6		
167	36.6	29.5	44.3		



#66

4-Bromophenyl-phenylether

Concen: 49.26 ng

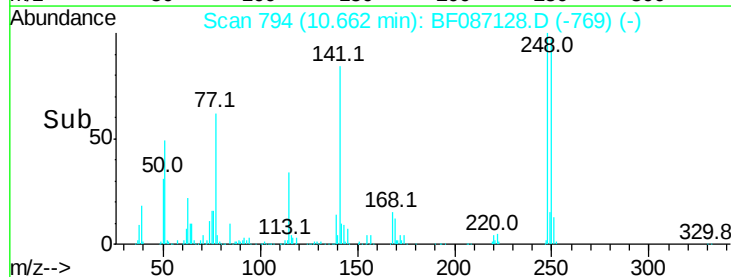
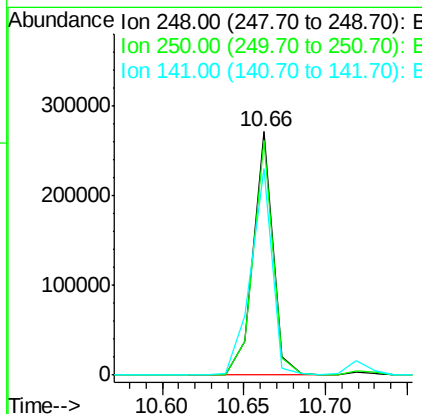
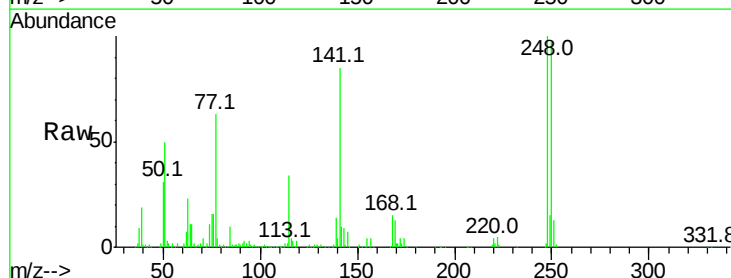
RT: 10.66 min Scan# 794

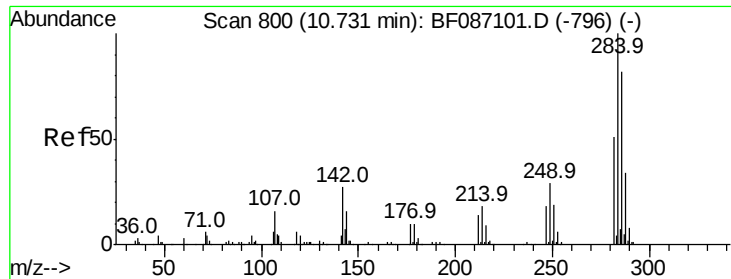
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		228720		
250	96.5	78.6	117.8		
141	84.6	76.0	114.0		





#67

Hexachlorobenzene

Concen: 46.40 ng

RT: 10.72 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

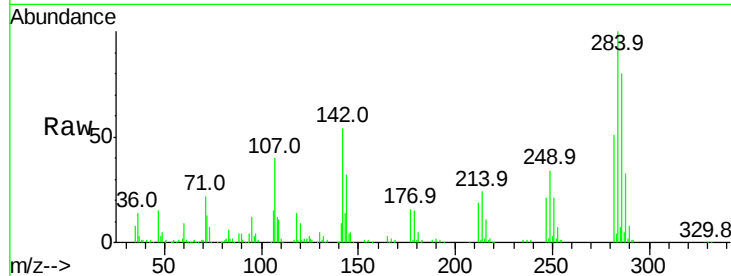
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

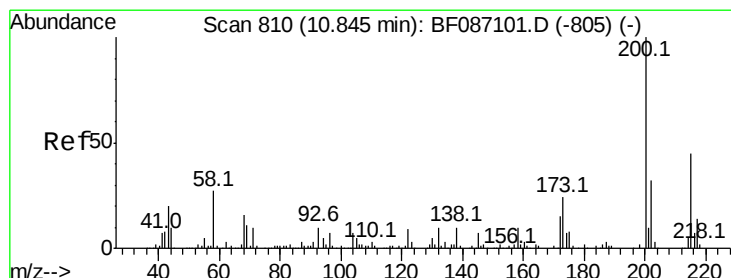
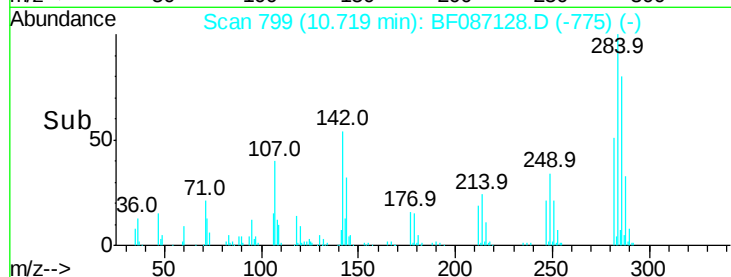
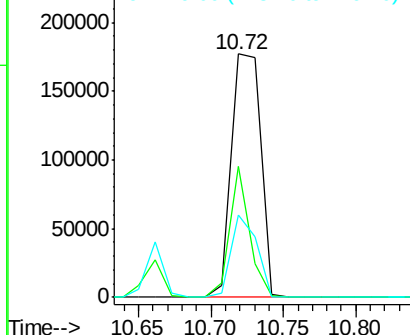
Tot Ion:	284	Resp:	249788
Ion Ratio	Lower	Upper	
284	100		
142	54.0	16.7	25.1#
249	33.7	21.3	31.9#

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



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: 44.10 ng

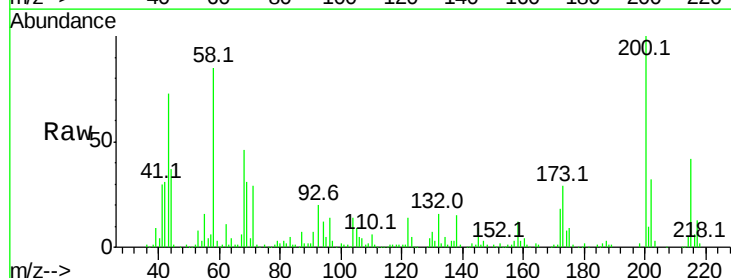
RT: 10.83 min Scan# 809

Delta R.T. -0.02 min

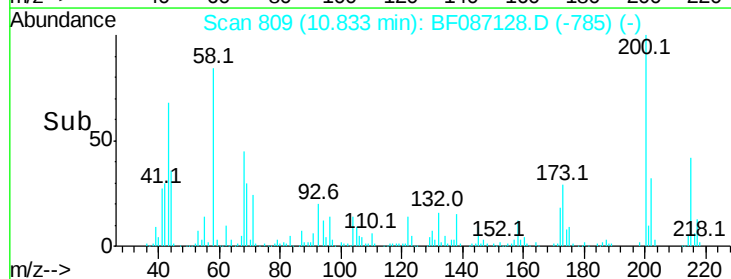
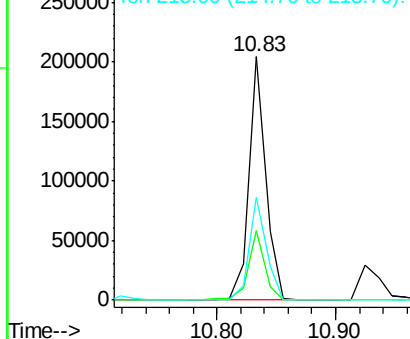
Lab File: BF087128.D

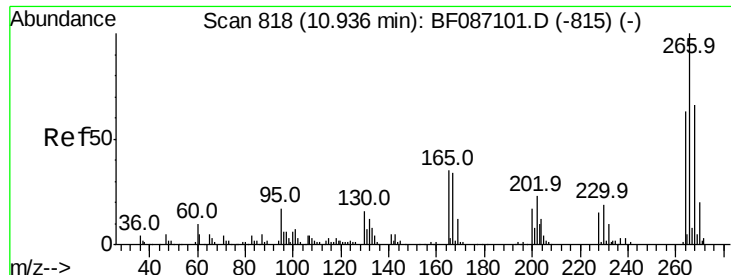
Acq: 18 May 2016 3:46

Tgt Ion:	200	Resp:	204395
Ion Ratio	Lower	Upper	
200	100		
173	28.5	8.5	48.5
215	42.1	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





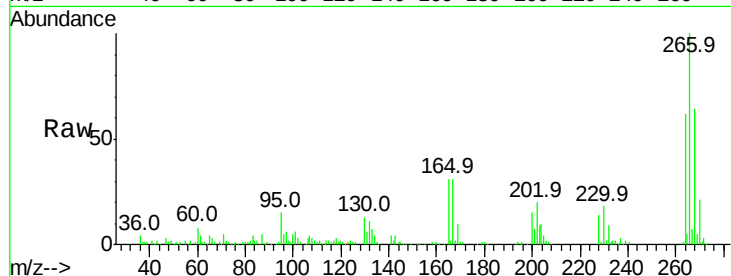
#69
 Pentachlorophenol
 Concen: 106.14 ng
 RT: 10.94 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

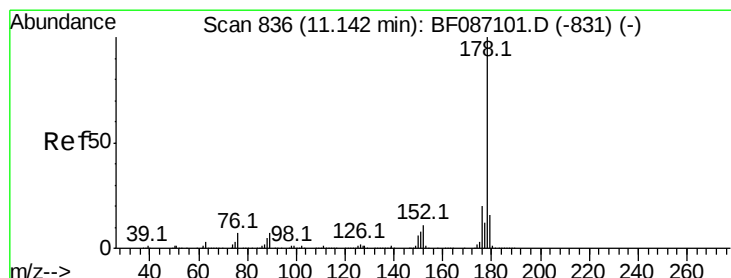
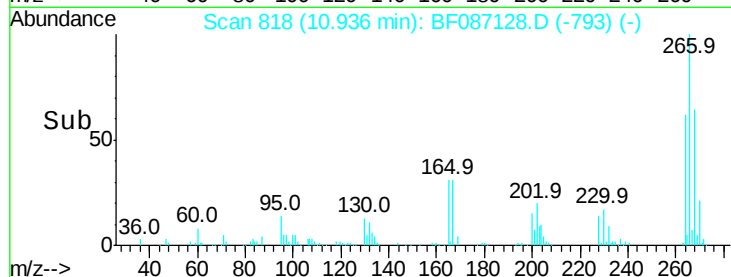
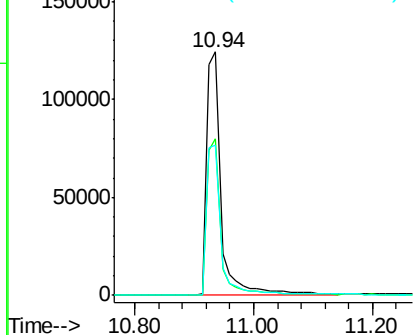
Tot Ion	Ratio	Resp	Lower	Upper
266	100	214627		
268	64.3	51.5	77.3	
264	61.8	52.9	79.3	

Manual Integrations
 APPROVED

sohil
 5/18/2016 6:59:23 PM

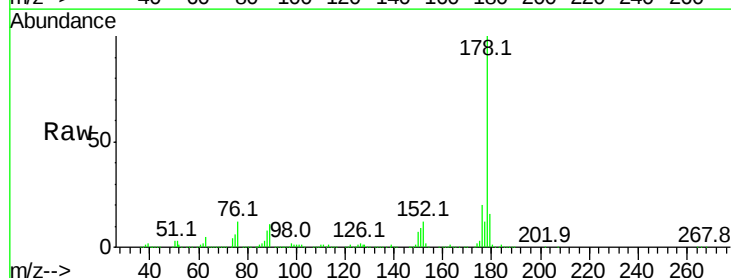


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

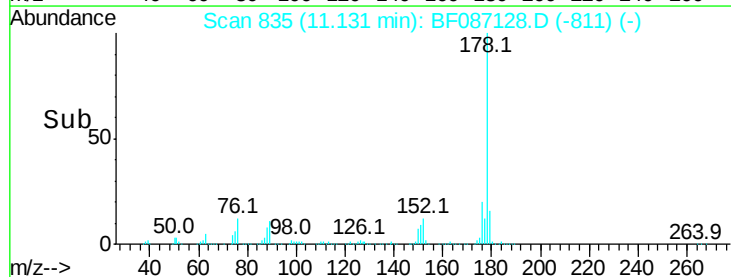
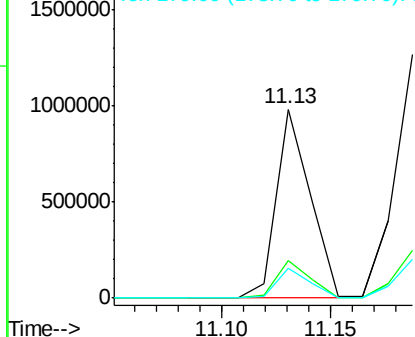


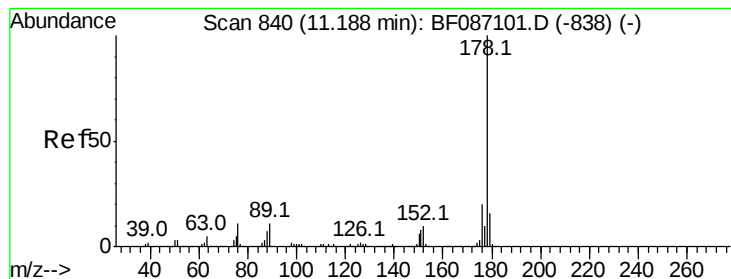
#70
 Phenanthrene
 Concen: 43.84 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1073558		
176	20.0	16.0	24.0	
179	15.8	12.6	18.8	



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





#71
 Anthracene
 Concen: 48.99 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

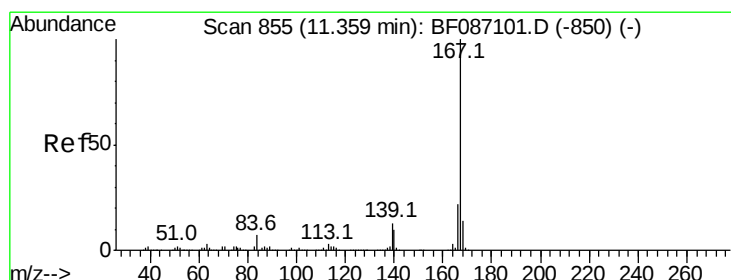
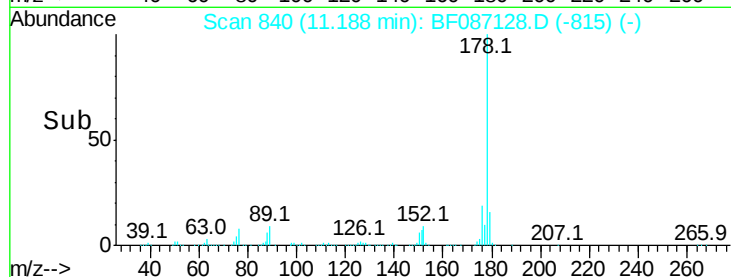
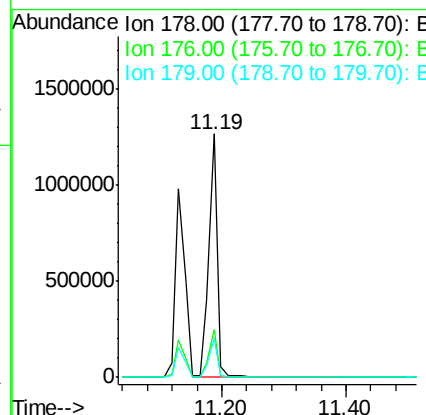
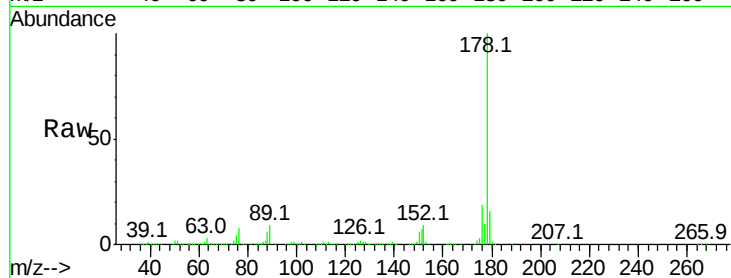
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-12KMS

Tot Ion:178 Resp: 1213486

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	16.0	12.7	19.1

Manual Integrations
 APPROVED

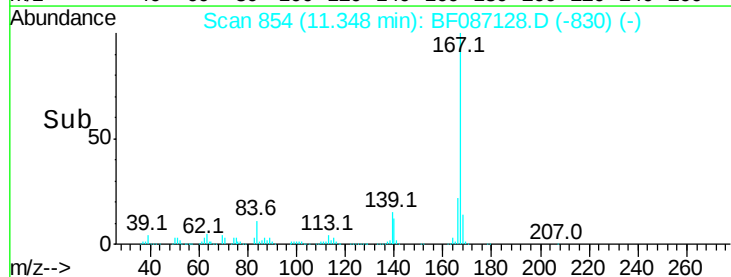
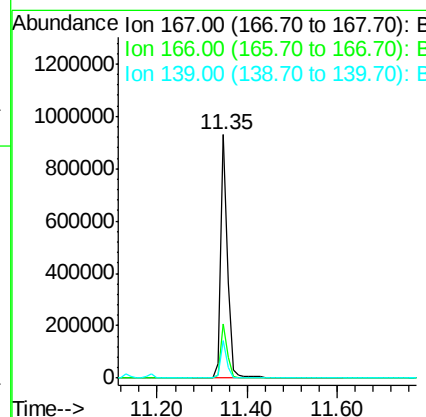
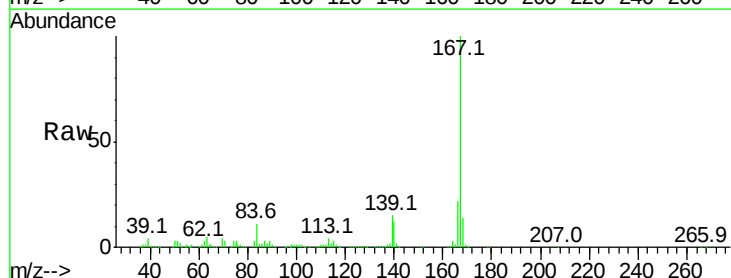
sohil
 5/18/2016 6:59:23 PM

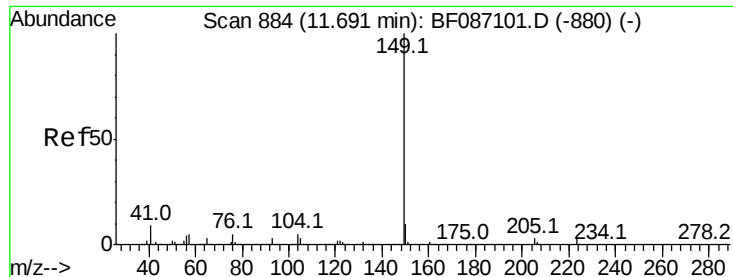


#72
 Carbazole
 Concen: 43.75 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion:167 Resp: 989791

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.7	26.5
139	15.2	10.8	16.2





#73

Di-n-butylphthalate

Concen: 48.89 ng

RT: 11.68 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

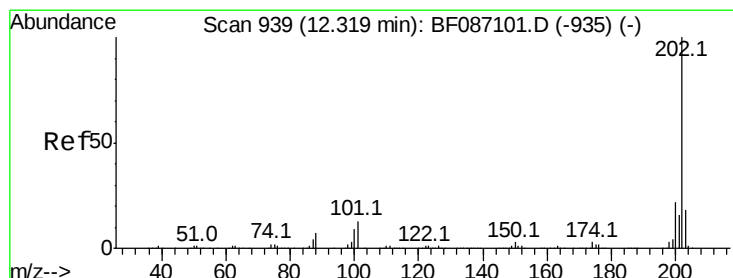
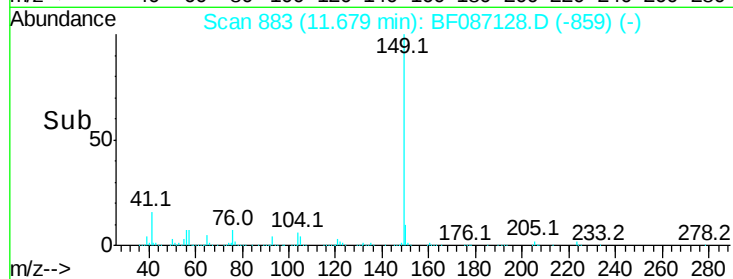
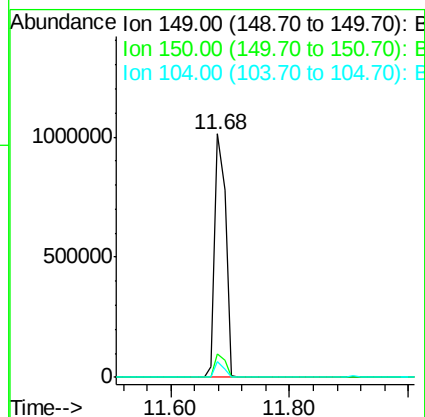
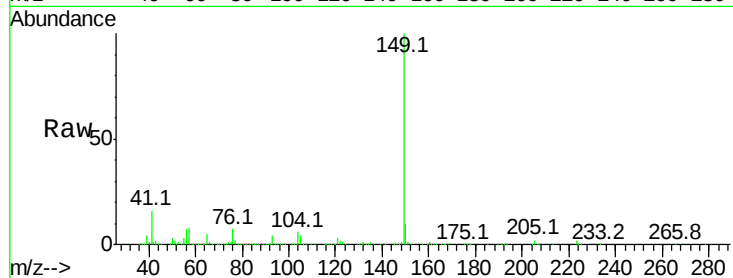
VITALE-FILL-CSPH3-12KMS

Manual Integrations
APPROVED

sohil

5/18/2016 6:59:23 PM

Tot Ion:	149	Resp:	1270584
Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	6.5	3.8	5.6#



#74

Fluoranthene

Concen: 49.85 ng

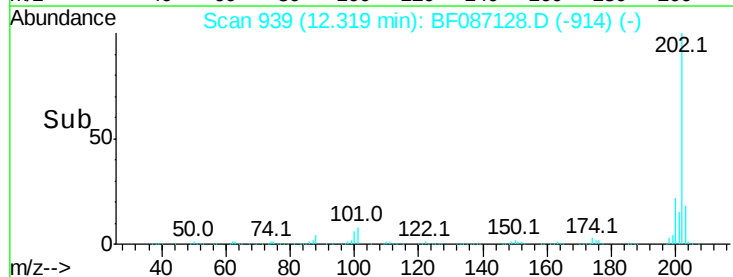
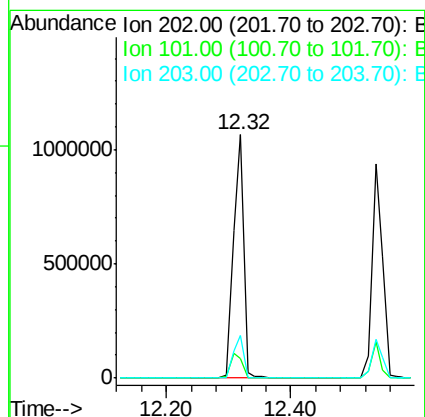
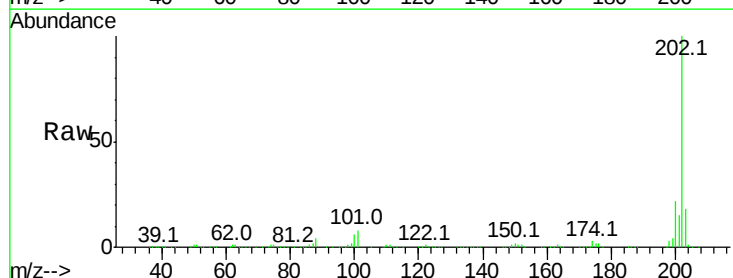
RT: 12.32 min Scan# 939

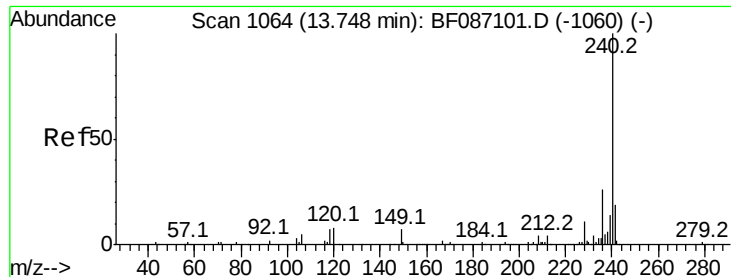
Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:	202	Resp:	1223137
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	35.4
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

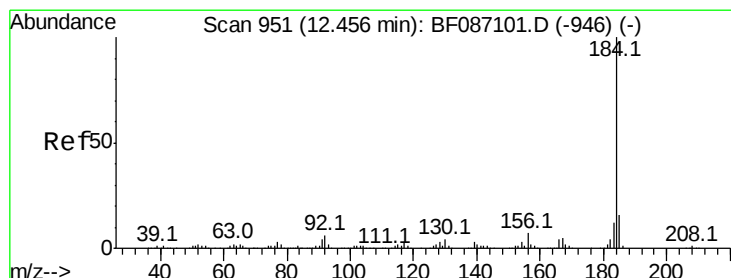
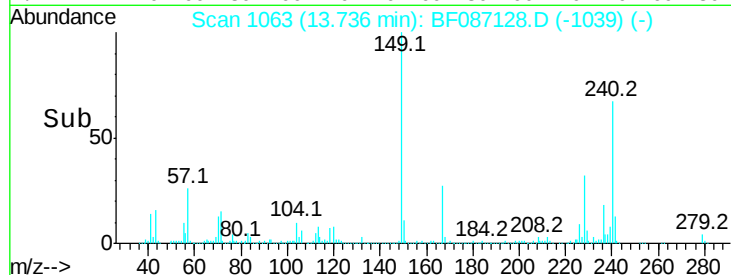
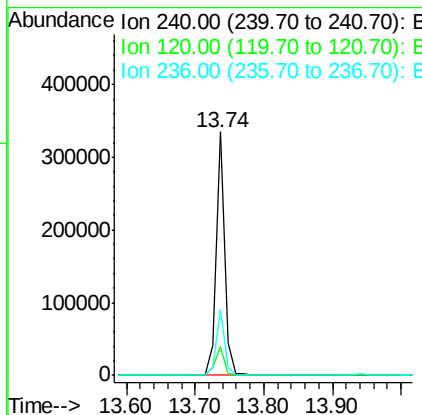
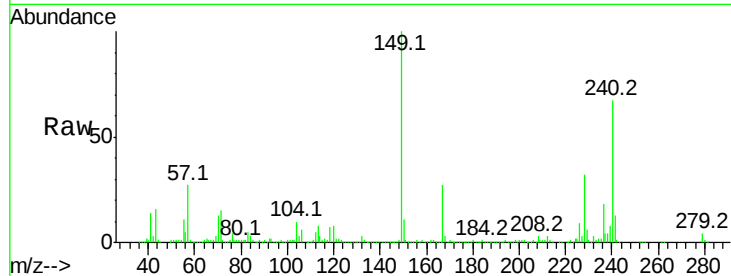
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion:	240	Resp:	294948
Ion Ratio	Lower	Upper	
240	100		
120	11.6	11.2	16.8
236	26.9	21.2	31.8

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#76

Benzidine

Concen: 21.33 ng

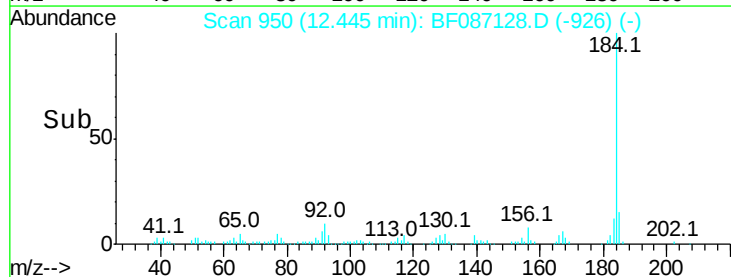
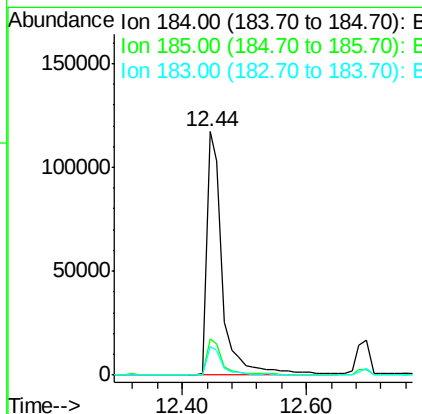
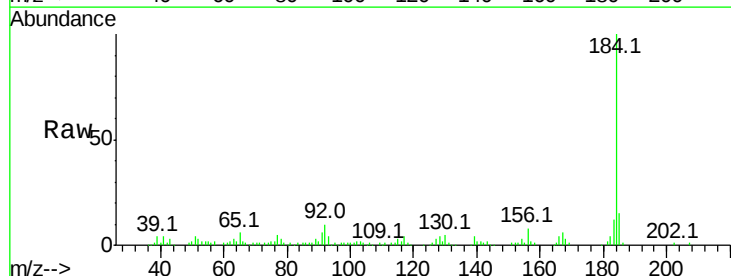
RT: 12.44 min Scan# 950

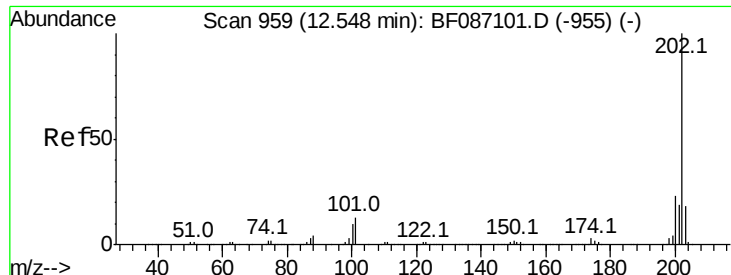
Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion:	184	Resp:	203063
Ion Ratio	Lower	Upper	
184	100		
185	14.8	13.6	20.4
183	11.9	9.8	14.6





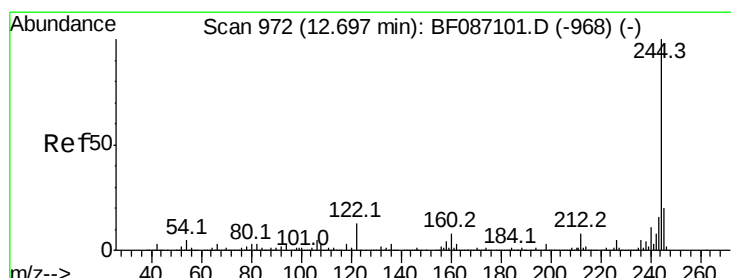
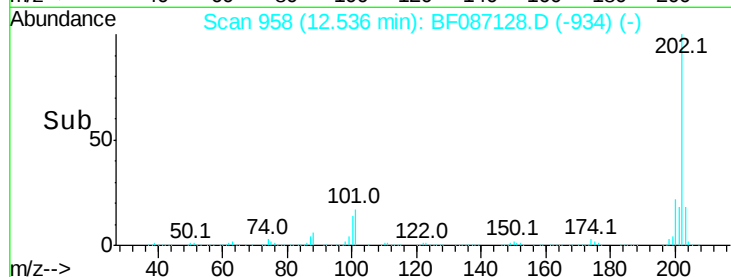
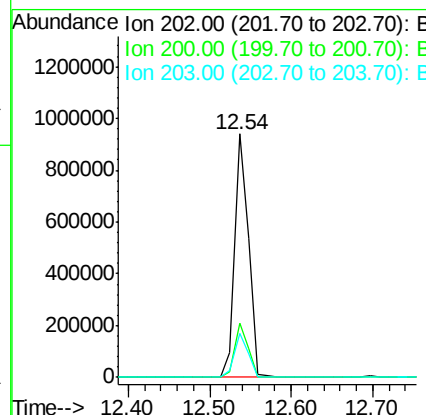
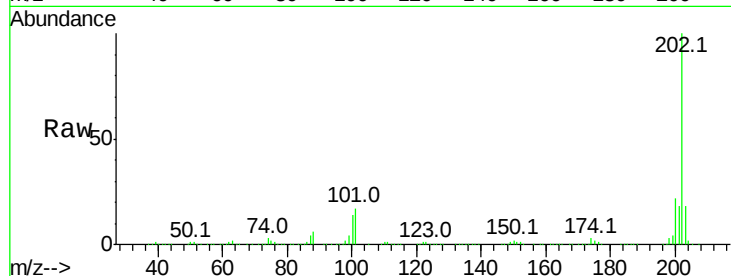
#77
Pvrene
Concen: 51.31 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.2	14.2	21.4

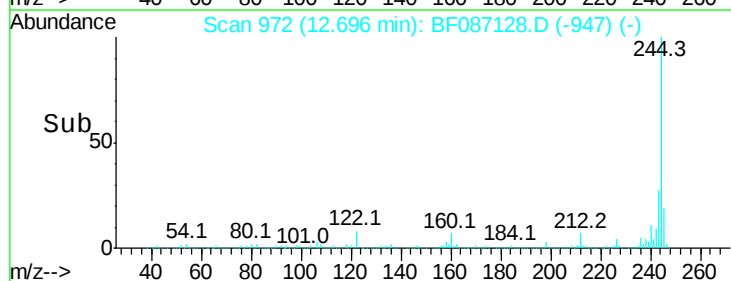
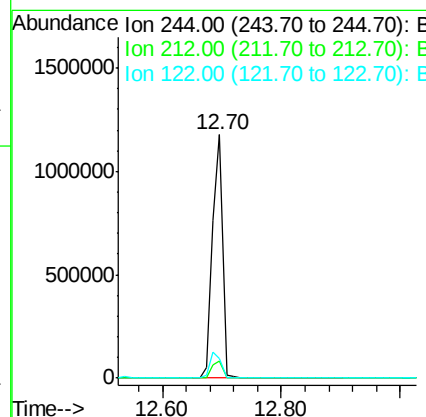
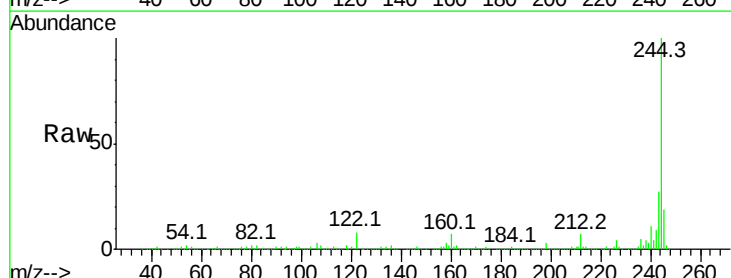
Manual Integrations
APPROVED

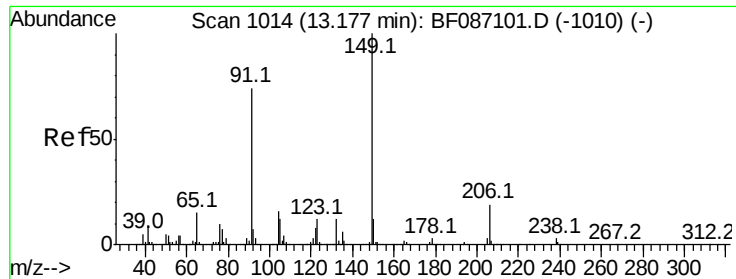
sohil
5/18/2016 6:59:23 PM



#78
Terphenyl-d14
Concen: 107.17 ng
RT: 12.70 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	8.1	12.0	18.0#





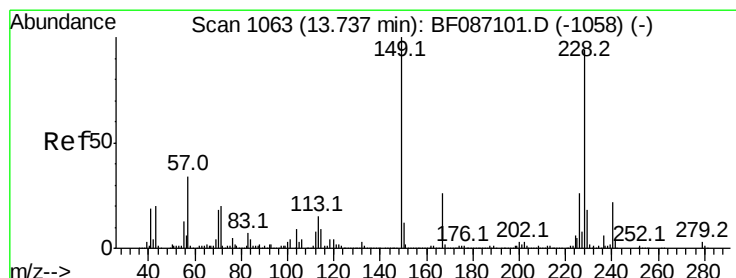
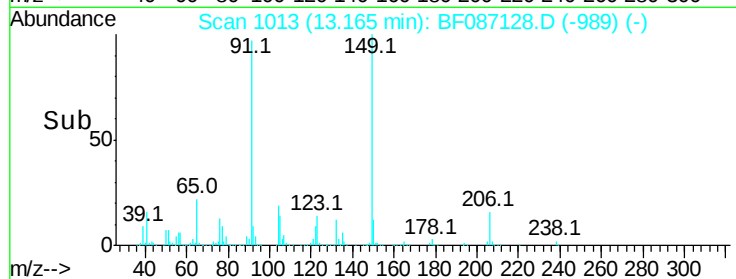
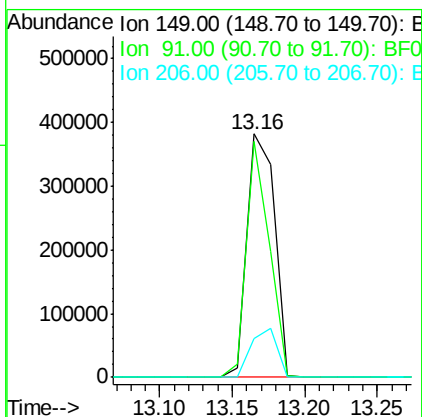
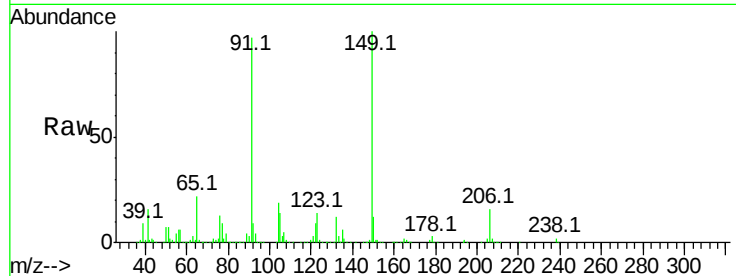
#79
Butylbenzylphthalate
Concen: 56.29 ng
RT: 13.16 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	96.9	48.0	72.0#
206	15.8	15.8	23.6#

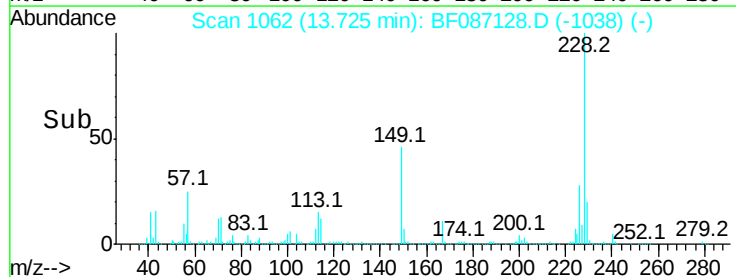
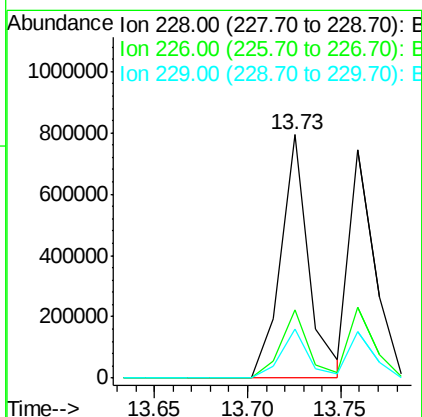
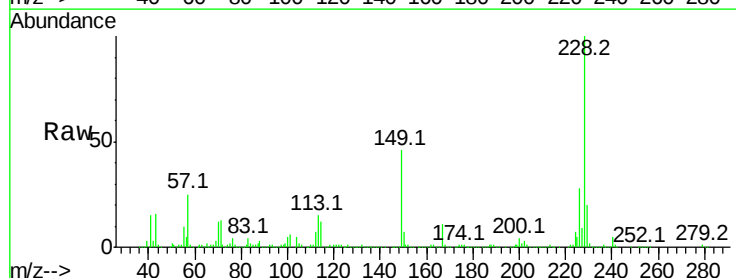
Manual Integrations
APPROVED

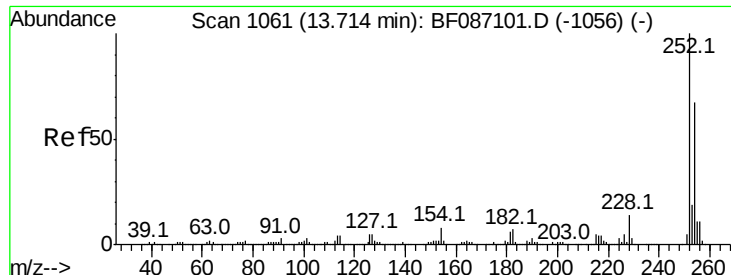
sohil
5/18/2016 6:59:23 PM



#80
Benzo(a)anthracene
Concen: 48.67 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.9	22.5	33.7
229	20.0	16.6	25.0





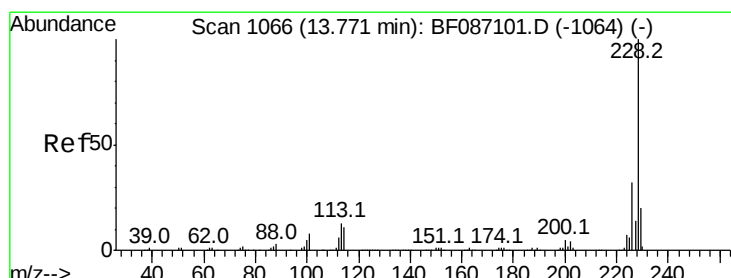
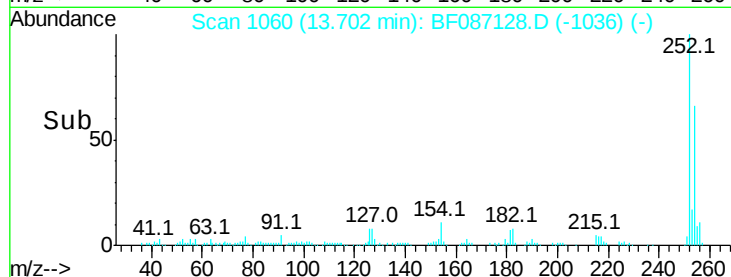
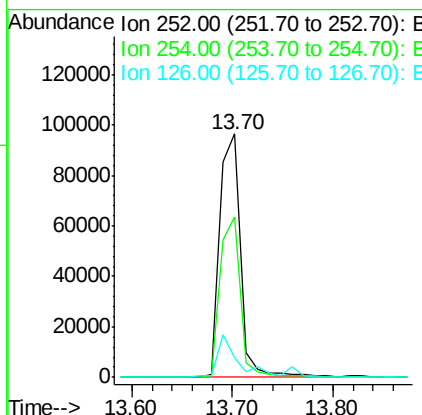
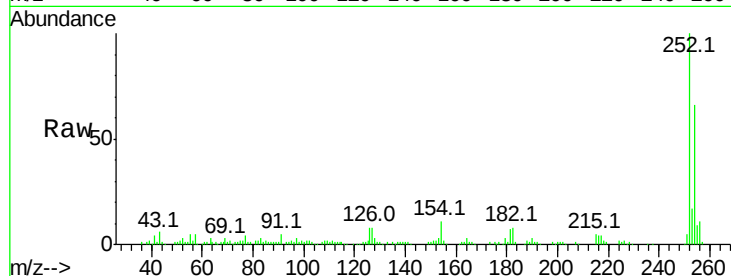
#81
 3,3'-Dichlorobenzidine
 Concen: 12.86 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	139543		
254	65.6	50.7	76.1	
126	7.8	12.7	19.1	

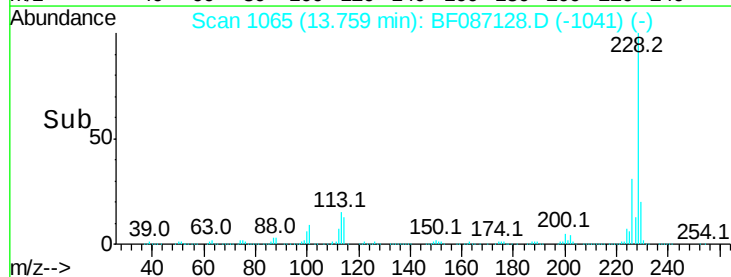
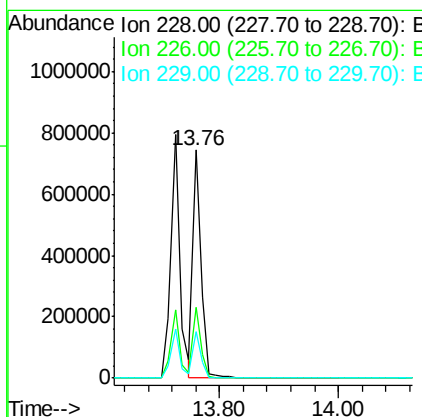
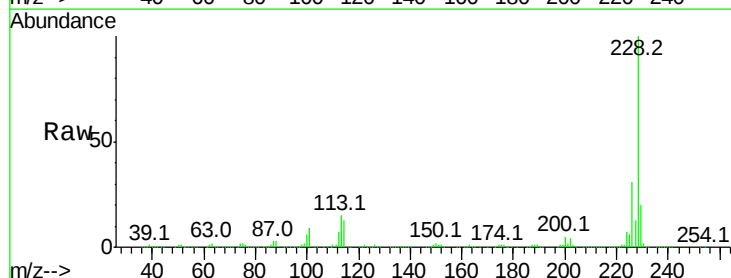
Manual Integrations
 APPROVED

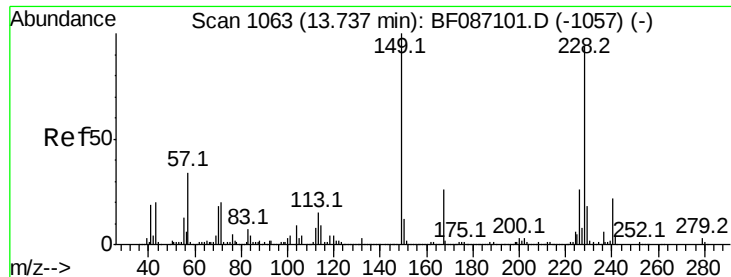
sohil
 5/18/2016 6:59:23 PM



#82
 Chrysene
 Concen: 43.77 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	722164		
226	31.3	24.4	36.6	
229	20.4	15.8	23.8	





#83

Bis(2-ethylhexyl)phthalate

Concen: 56.04 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion:149 Resp: 613449
Ion Ratio Lower Upper

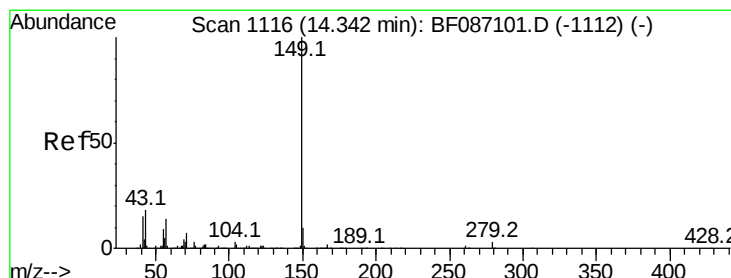
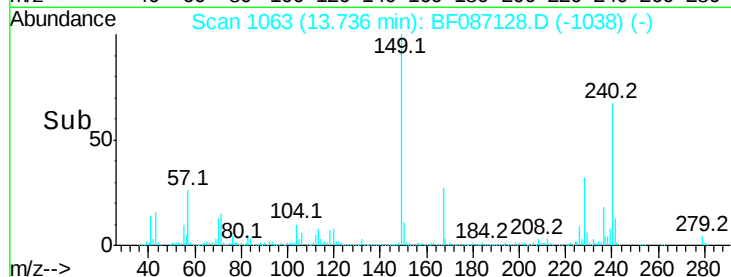
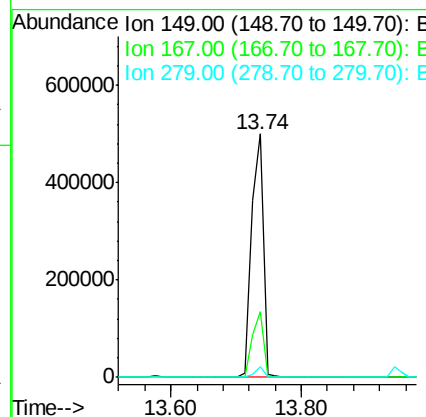
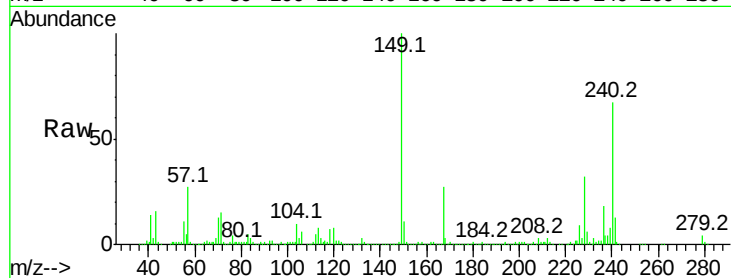
149 100

167 27.0 21.8 32.6

279 4.5 2.6 4.0#

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#84

Di-n-octyl phthalate

Concen: 53.71 ng

RT: 14.34 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF087128.D

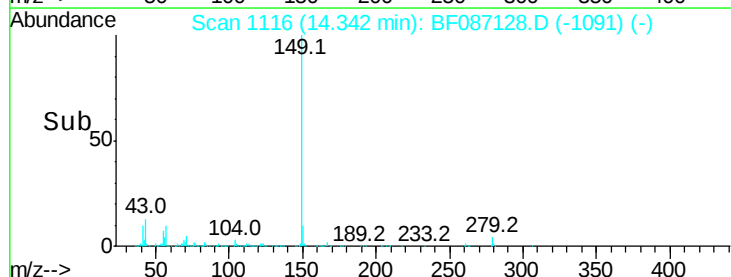
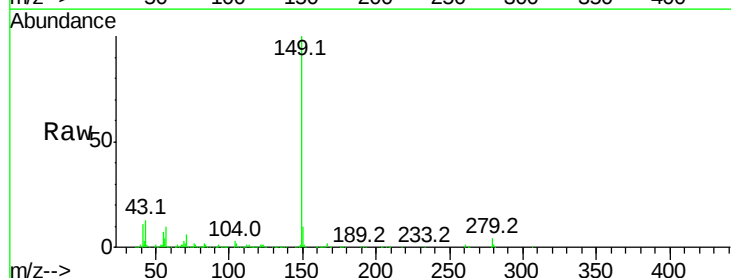
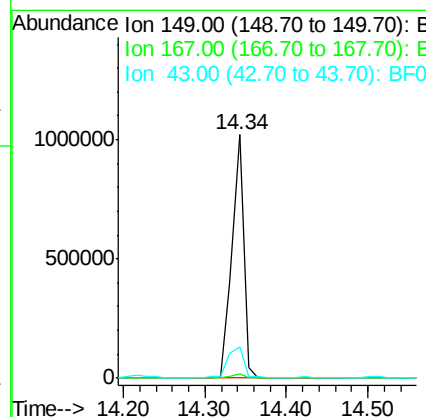
Acq: 18 May 2016 3:46

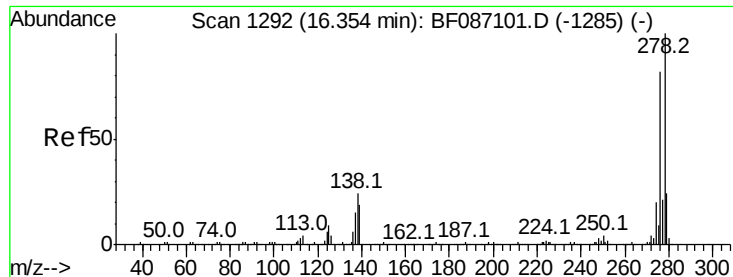
Tgt Ion:149 Resp: 1012840
Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 16.6 8.2 12.4#





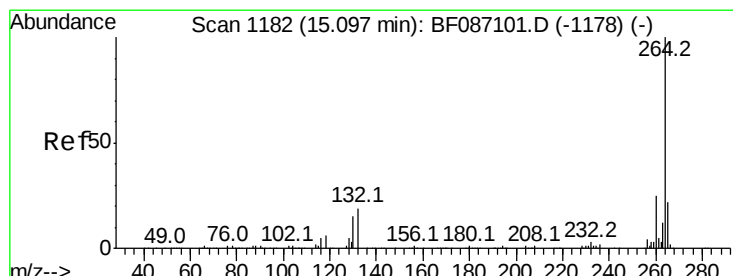
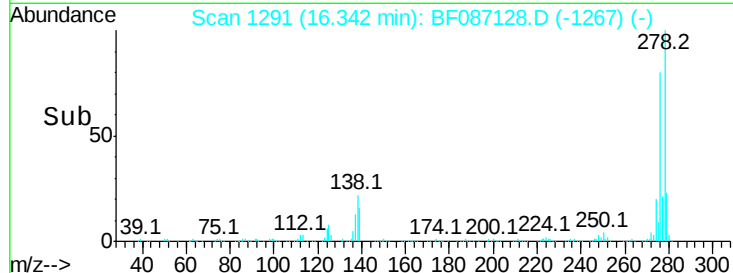
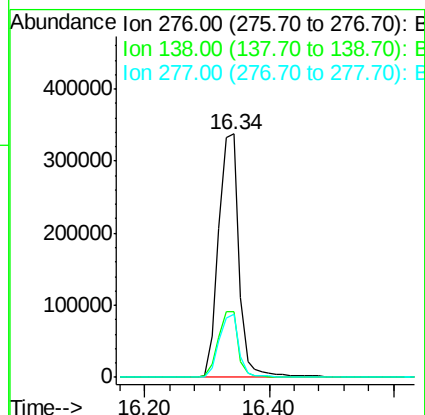
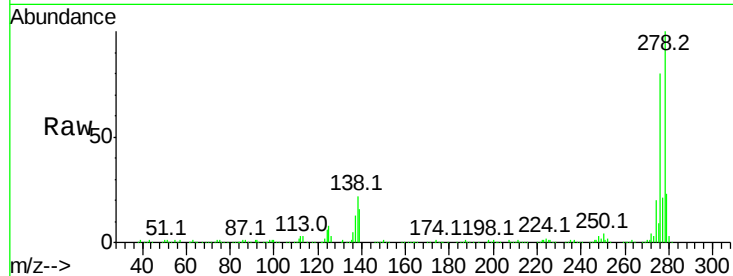
#85
Indeno(1,2,3-cd)pyrene
Concen: 52.84 ng
RT: 16.34 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	26.7	25.6	38.4	
277	25.4	20.5	30.7	

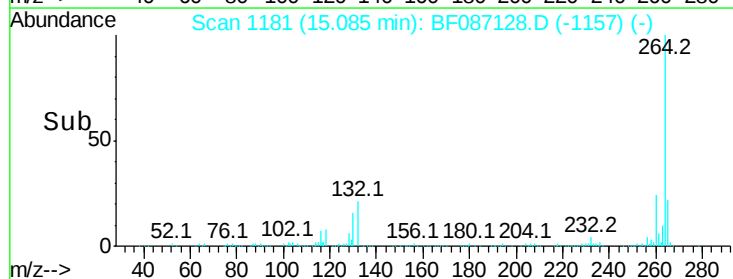
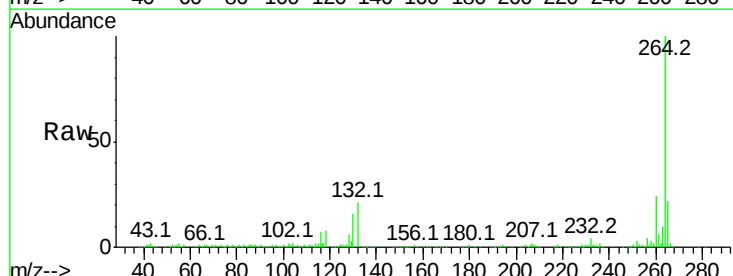
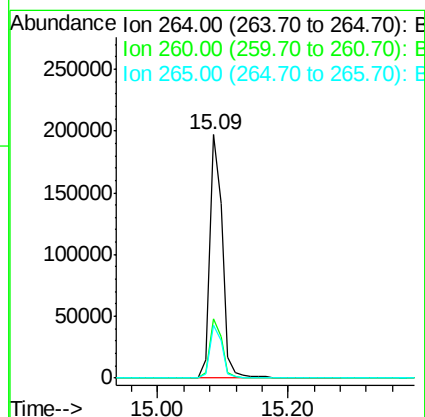
Manual Integrations
APPROVED

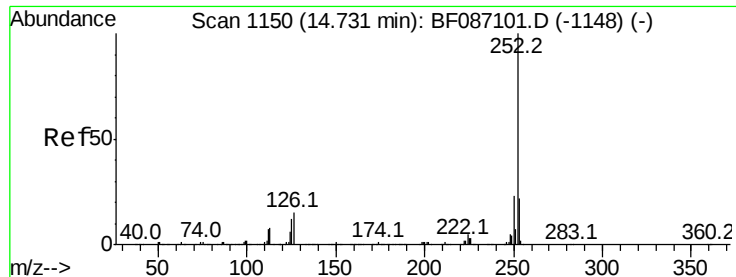
sohil
5/18/2016 6:59:23 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.5	29.3	
265	21.9	17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 51.08 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Instrument :

BNA_F

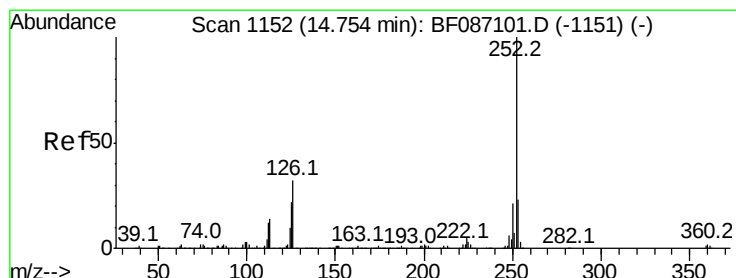
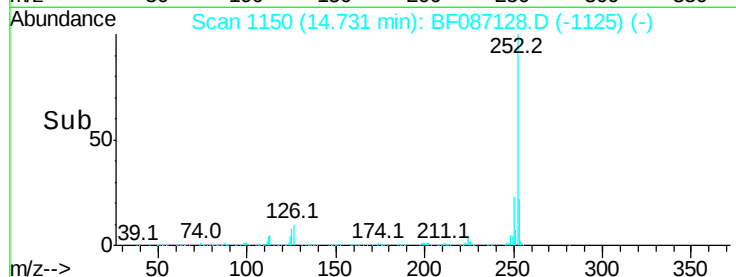
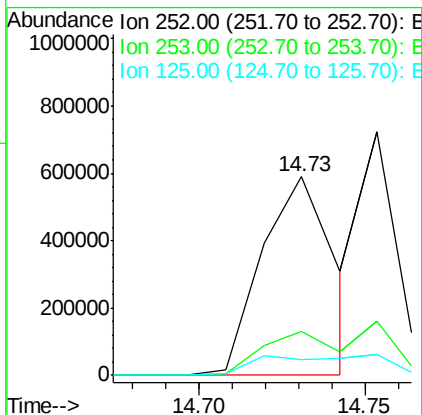
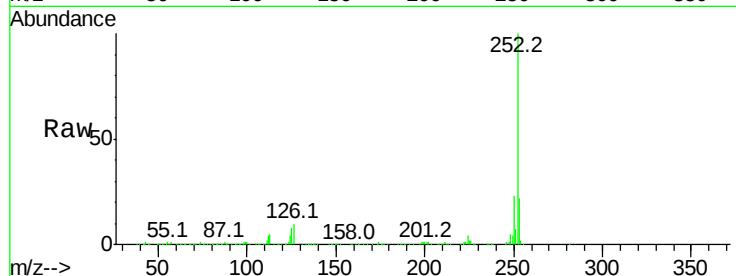
ClientSampleId :

VITALE-FILL-CSPH3-12KMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	7.8	11.4	17.0

Manual Integrations
APPROVED

sohil
5/18/2016 6:59:23 PM



#88

Benzo(k)fluoranthene

Concen: 43.34 ng m

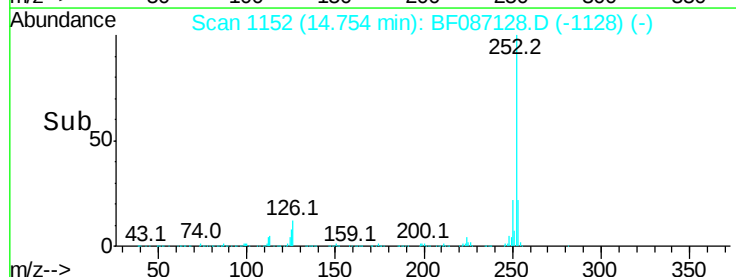
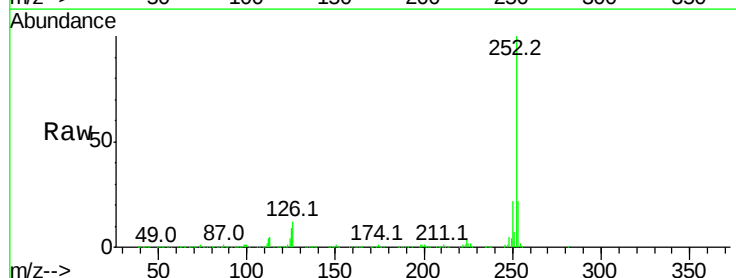
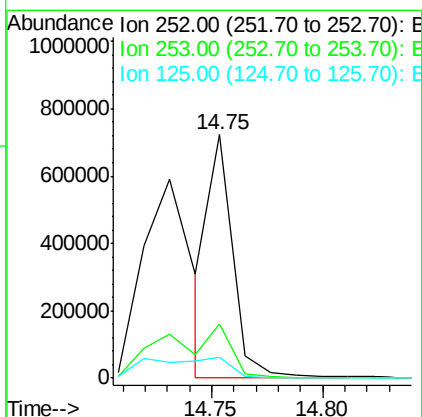
RT: 14.75 min Scan# 1152

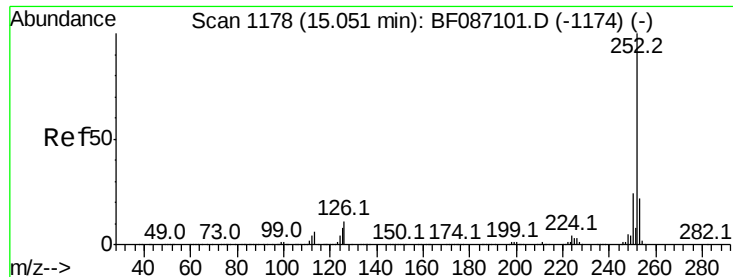
Delta R.T. -0.02 min

Lab File: BF087128.D

Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.5	9.1	13.7





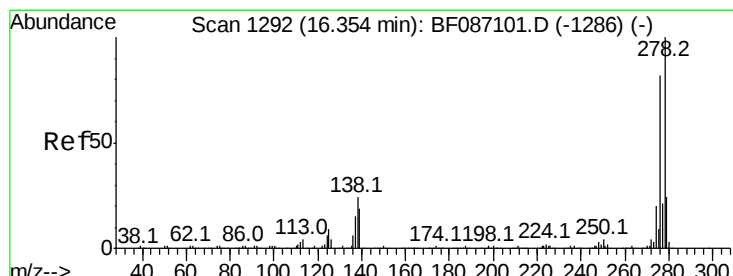
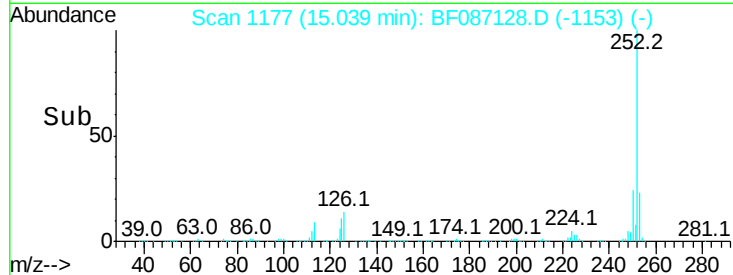
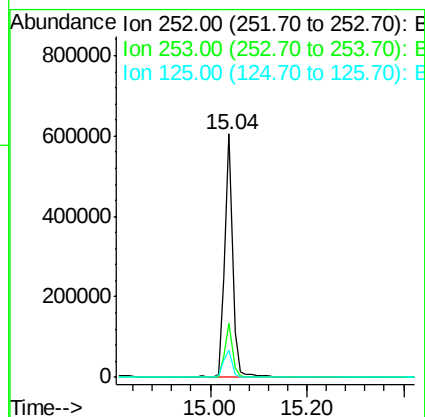
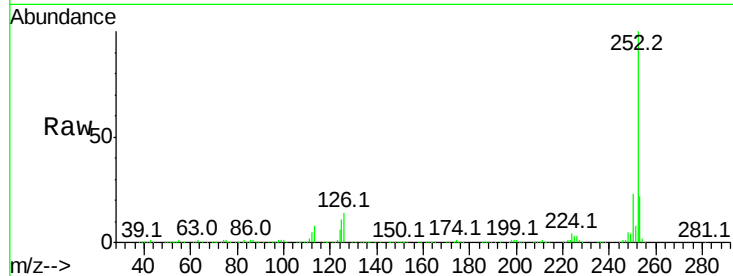
#89
Benzo(a)pyrene
Concen: 47.49 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp	Lower	Upper
252	100	696321		
253	22.4	17.2	25.8	
125	11.0	9.0	13.6	

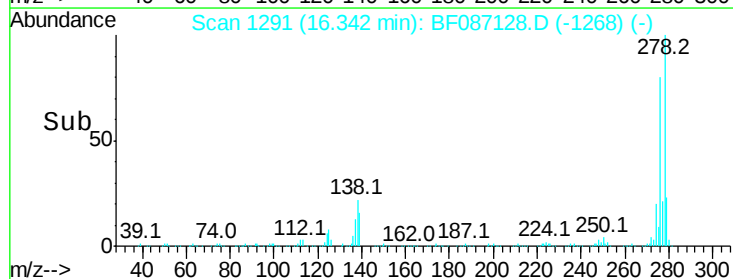
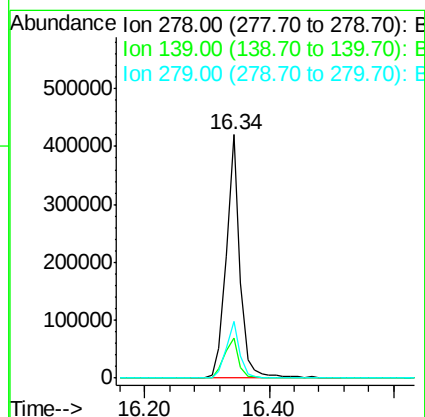
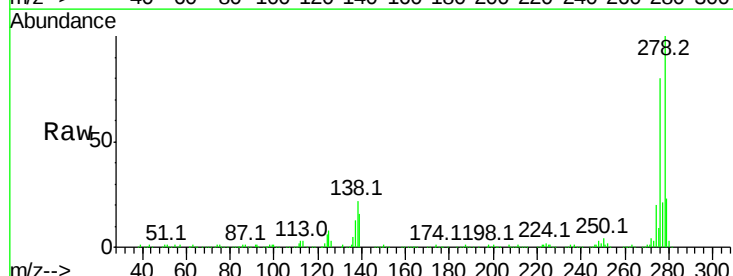
Manual Integrations
APPROVED

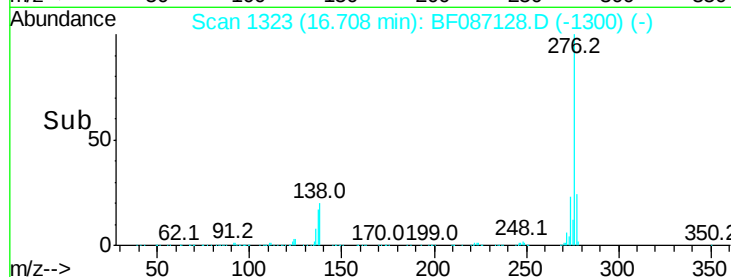
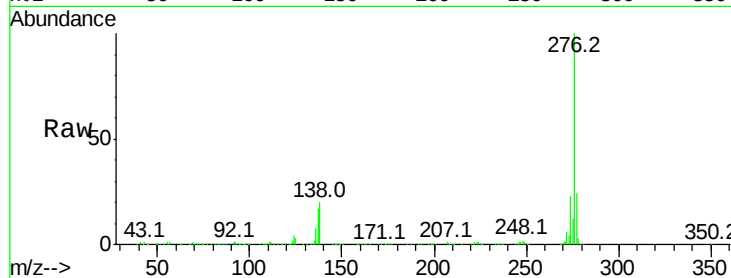
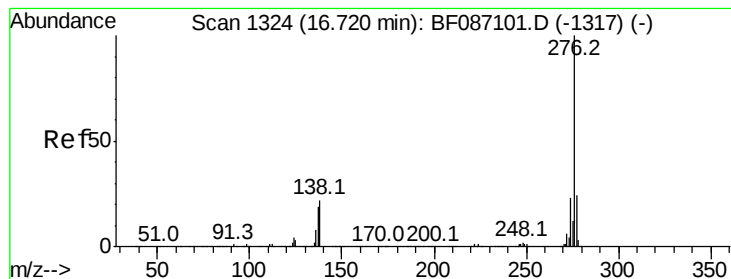
sohil
5/18/2016 6:59:23 PM



#90
Dibenzo(a,h)anthracene
Concen: 51.78 ng
RT: 16.34 min Scan# 1291
Delta R.T. -0.03 min
Lab File: BF087128.D
Acq: 18 May 2016 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	639262		
139	16.2	16.6	24.8#	
279	23.5	19.6	29.4	





#91
 Benzo(a,h,i)perylene
 Concen: 52.85 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF087128.D
 Acq: 18 May 2016 3:46

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

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.9	19.6	29.4
138	19.6	23.6	35.4

Manual Integrations
 APPROVED

sohil
 5/18/2016 6:59:23 PM

