

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087214.D
 Acq On : 20 May 2016 6:09
 Operator : UM/SJ
 Sample : H3132-03MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
 APPROVED

sohil
 5/20/2016 7:14:25 PM

Quant Time: May 20 07:59:58 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	6.57	152	125663	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	489877	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	217631	20.00	ng	-0.05
63) Phenanthrene-d10	11.08	188	371049	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	219664	20.00	ng	-0.05
86) Perylene-d12	15.06	264	238490	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	1040077	139.12	ng	-0.02
7) Phenol-d6	6.25	99	1282847	127.94	ng	-0.03
23) Nitrobenzene-d5	7.15	82	982803	99.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	350074	145.57	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1352261	102.91	ng	-0.05
78) Terphenyl-d14	12.66	244	1071722	110.37	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.15	88	116385	30.26	ng	# 66
3) Pyridine	2.78	79	223034	23.97	ng	# 66
4) n-Nitrosodimethylamine	2.70	42	290641	44.09	ng	# 51
6) Aniline	6.25	93	178152	13.99	ng	# 1
8) 2-Chlorophenol	6.36	128	398013	43.76	ng	93
9) Benzaldehyde	6.12	77	50097	7.27	ng	98
10) Phenol	6.26	94	502330	39.85	ng	84
11) bis(2-Chloroethyl)ether	6.32	93	403412	42.62	ng	88
12) 1,3-Dichlorobenzene	6.50	146	372186m	38.49	ng	
13) 1,4-Dichlorobenzene	6.58	146	383081m	38.72	ng	
14) 1,2-Dichlorobenzene	6.74	146	354106	40.88	ng	98
15) Benzyl Alcohol	6.74	79	385931	51.70	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.87	45	789713	40.59	ng	56
17) 2-Methylphenol	6.87	107	329233	44.07	ng	# 79
18) Hexachloroethane	7.07	117	145406	38.45	ng	98
19) n-Nitroso-di-n-propylamine	7.00	70	317157	41.61	ng	# 67
20) 3+4-Methylphenols	7.03	107	447458	45.41	ng	# 60
22) Acetophenone	6.99	105	589267	49.15	ng	# 97
24) Nitrobenzene	7.16	77	449952	41.92	ng	93
25) Isophorone	7.40	82	851597	47.33	ng	97
26) 2-Nitrophenol	7.48	139	216166	48.62	ng	# 78
27) 2,4-Dimethylphenol	7.54	122	355899	46.91	ng	# 86
28) bis(2-Chloroethoxy)methane	7.62	93	482771	48.87	ng	# 98
29) 2,4-Dichlorophenol	7.74	162	363205	54.32	ng	96
30) 1,2,4-Trichlorobenzene	7.80	180	356885	48.11	ng	98
31) Naphthalene	7.87	128	1179322	49.27	ng	99
32) Benzoic acid	7.71	122	202744	44.83	ng	# 80
33) 4-Chloroaniline	7.95	127	92823	9.33	ng	# 91
34) Hexachlorobutadiene	8.00	225	205412	48.79	ng	98
35) Caprolactam	8.34	113	92667m	41.62	ng	
36) 4-Chloro-3-methylphenol	8.46	107	385641	47.82	ng	90
37) 2-Methylnaphthalene	8.57	142	758675	49.55	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.74	216	320870	50.48	ng	99
40) Hexachlorocyclopentadiene	8.72	237	107081	47.19	ng	94

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087214.D
 Acq On : 20 May 2016 6:09
 Operator : UM/SJ
 Sample : H3132-03MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
 APPROVED

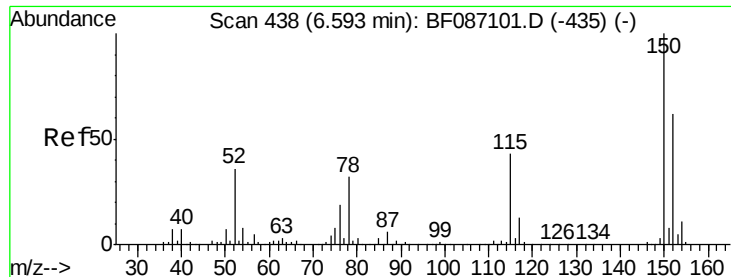
sohil
 5/20/2016 7:14:25 PM

Quant Time: May 20 07:59:58 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	8.87	196	219444	53.23	ng	92
43) 2,4,5-Trichlorophenol	8.91	196	227537	53.13	ng #	86
45) 1,1'-Biphenyl	9.04	154	992248	54.99	ng	99
46) 2-Chloronaphthalene	9.06	162	726209	52.42	ng	98
47) 2-Nitroaniline	9.18	65	294153	55.41	ng	95
48) Acenaphthylene	9.46	152	1053606	49.81	ng	99
49) Dimethylphthalate	9.35	163	859050	51.74	ng	100
50) 2,6-Dinitrotoluene	9.42	165	195947	54.36	ng #	88
51) Acenaphthene	9.63	154	655329	49.59	ng	98
52) 3-Nitroaniline	9.59	138	95004	24.35	ng	97
53) 2,4-Dinitrophenol	9.70	184	140161	68.58	ng #	86
54) Dibenzofuran	9.82	168	979116	57.29	ng	98
55) 4-Nitrophenol	9.78	139	152176m	62.34	ng	
56) 2,4-Dinitrotoluene	9.83	165	239382	51.85	ng #	65
57) Fluorene	10.15	166	690861	50.31	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.94	232	181420	54.39	ng	97
59) Diethylphthalate	10.04	149	820230	51.75	ng	99
60) 4-Chlorophenyl-phenylether	10.15	204	332340	51.06	ng	97
61) 4-Nitroaniline	10.20	138	174961	45.41	ng #	79
62) Azobenzene	10.31	77	1004701	55.01	ng	88
64) 4,6-Dinitro-2-methylphenol	10.23	198	91244	37.34	ng #	8
65) n-Nitrosodiphenylamine	10.27	169	641501	54.94	ng	99
66) 4-Bromophenyl-phenylether	10.64	248	209008	54.78	ng #	75
67) Hexachlorobenzene	10.70	284	223728	50.57	ng #	78
68) Atrazine	10.81	200	187069	49.11	ng	96
69) Pentachlorophenol	10.90	266	190889	114.86	ng	98
70) Phenanthrene	11.11	178	1064599	52.90	ng	100
71) Anthracene	11.15	178	1011683	49.70	ng	100
72) Carbazole	11.32	167	921011	49.53	ng	99
73) Di-n-butylphthalate	11.66	149	1216195	56.95	ng #	99
74) Fluoranthene	12.29	202	886013	43.94	ng	97
76) Benzidine	12.42	184	50409	7.10	ng	97
77) Pyrene	12.51	202	924715	58.27	ng	100
79) Butylbenzylphthalate	13.14	149	446494	66.65	ng #	85
80) Benzo(a)anthracene	13.70	228	699213	55.05	ng	98
81) 3,3'-Dichlorobenzidine	13.67	252	138987	17.20	ng #	97
82) Chrysene	13.74	228	756107	61.53	ng	100
83) Bis(2-ethylhexyl)phthalate	13.70	149	548590	67.29	ng	97
84) Di-n-octyl phthalate	14.31	149	875302	62.32	ng #	85
85) Indeno(1,2,3-cd)pyrene	16.30	276	646775	59.96	ng	95
87) Benzo(b)fluoranthene	14.70	252	712847m	45.06	ng	
88) Benzo(k)fluoranthene	14.72	252	702781m	59.66	ng	
89) Benzo(a)pyrene	15.01	252	668631	50.56	ng #	96
90) Dibenzo(a,h)anthracene	16.30	278	561842	50.46	ng	96
91) Benzo(g,h,i)perylene	16.66	276	527204	46.88	ng #	89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

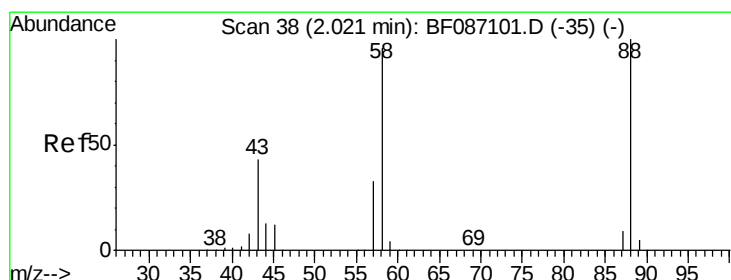
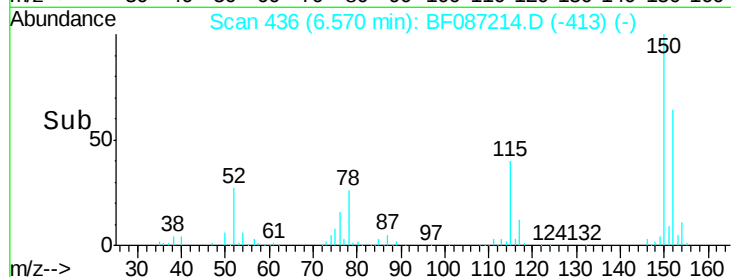
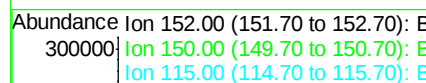
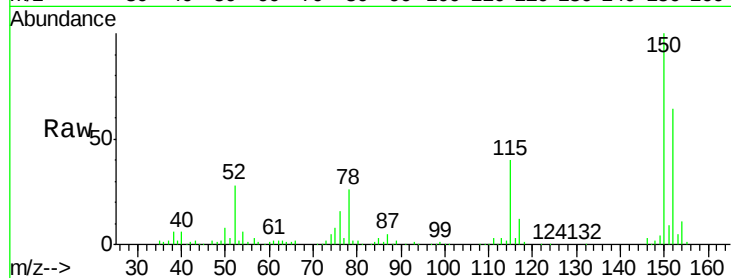
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	152	Resp:	125663
Ion Ratio	Lower	Upper	
152	100		
150	155.7	125.8	188.6
115	61.7	51.5	77.3

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#2

1,4-Dioxane

Concen: 30.26 ng

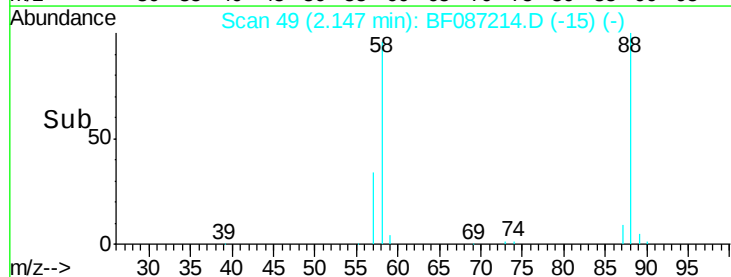
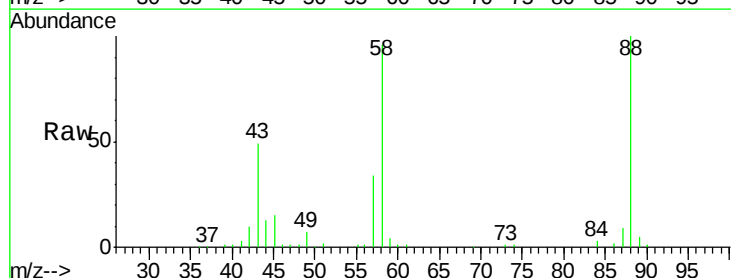
RT: 2.15 min Scan# 49

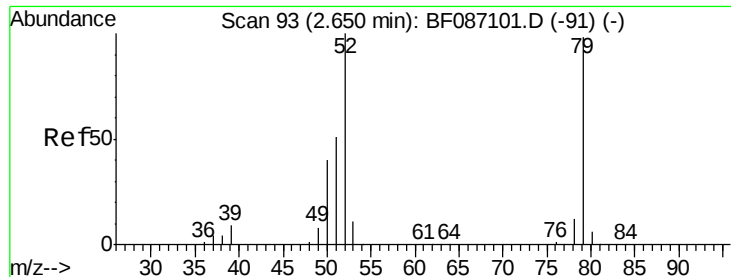
Delta R.T. 0.09 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	88	Resp:	116385
Ion Ratio	Lower	Upper	
88	100		
58	97.5	59.6	89.4#
43	0.0	21.8	32.6#





#3

Pyridine

Concen: 23.97 ng

RT: 2.78 min Scan# 104

Delta R.T. 0.09 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

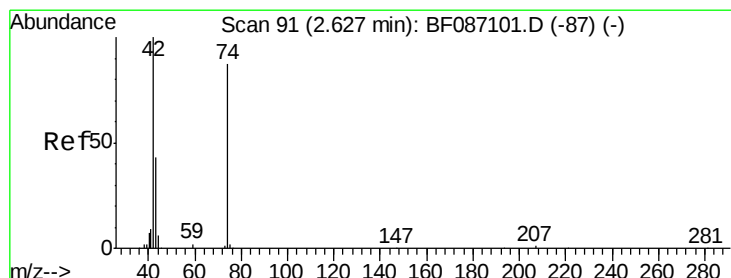
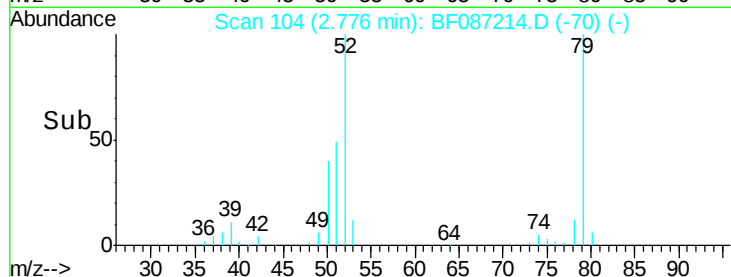
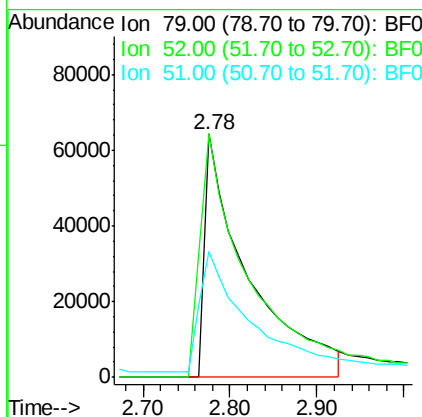
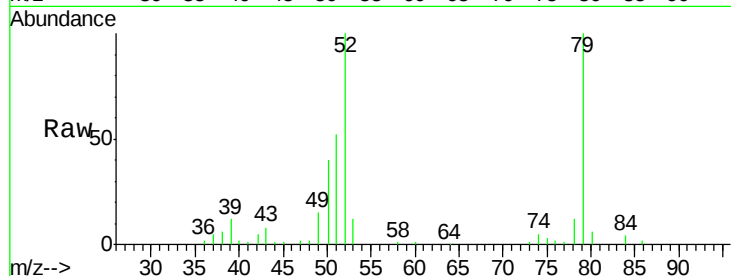
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	79	Resp:	223034
Ion Ratio	Lower	Upper	
79	100		
52	100.2	55.9	83.9#
51	51.9	28.1	42.1#

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#4

n-Nitrosodimethylamine

Concen: 44.09 ng

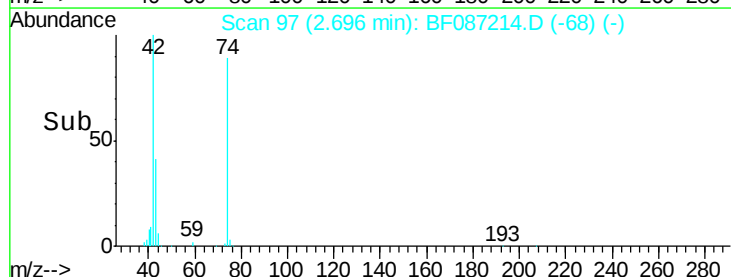
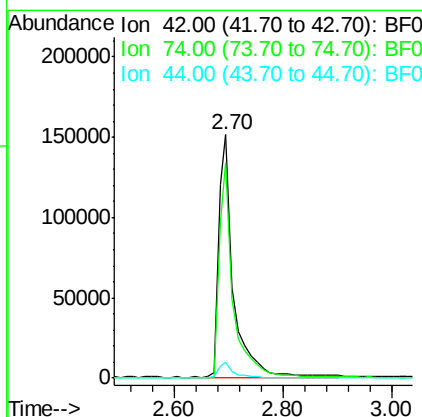
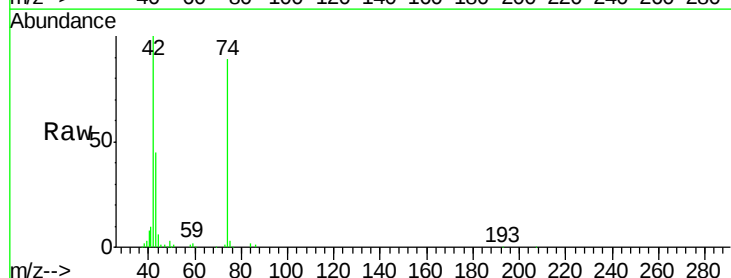
RT: 2.70 min Scan# 97

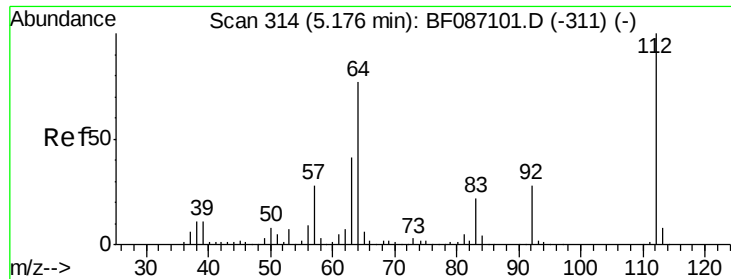
Delta R.T. 0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	42	Resp:	290641
Ion Ratio	Lower	Upper	
42	100		
74	88.5	123.4	185.0#
44	6.5	5.8	8.6





#5

2-Fluorophenol

Concen: 139.12 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.02 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion: 112 Resp: 1040077

Ion Ratio Lower Upper

112 100

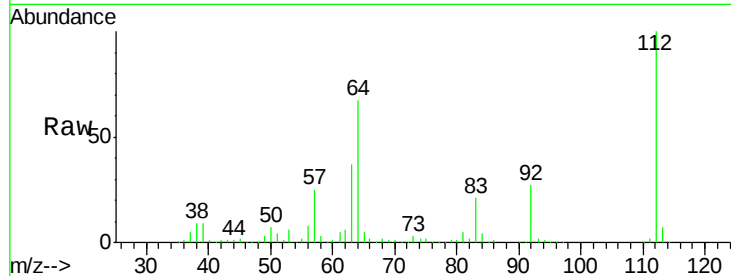
64 67.2 52.1 78.1

63 36.8 25.7 38.5

Manual Integrations
APPROVED

sohil

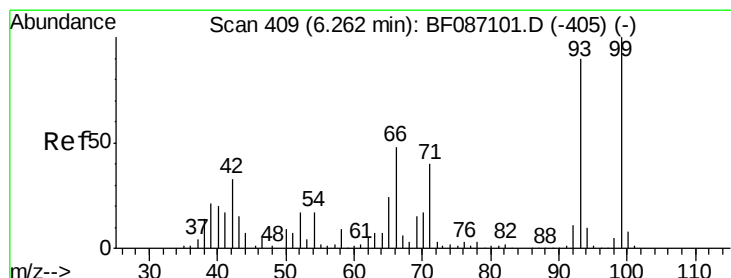
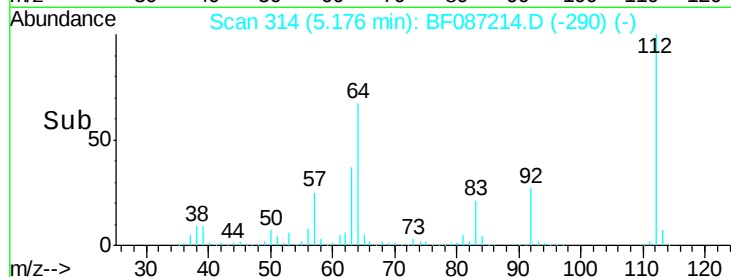
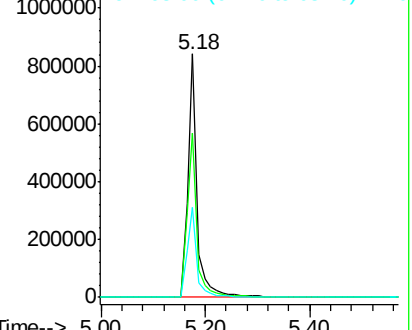
5/20/2016 7:14:25 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 13.99 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

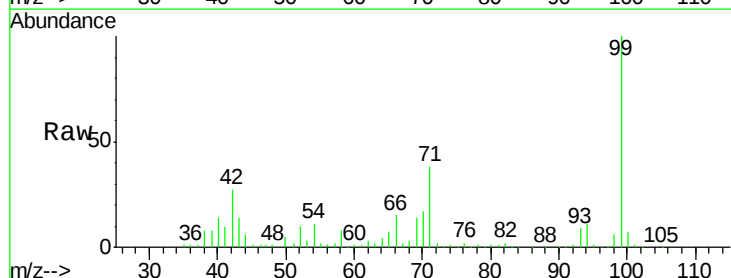
Tgt Ion: 93 Resp: 178152

Ion Ratio Lower Upper

93 100

66 161.6 39.0 58.6#

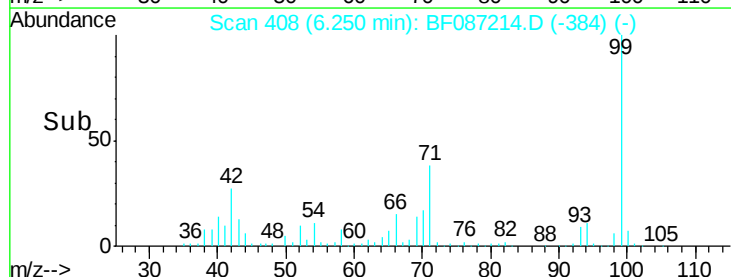
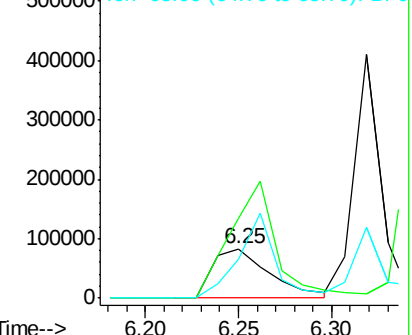
65 77.9 20.6 31.0#

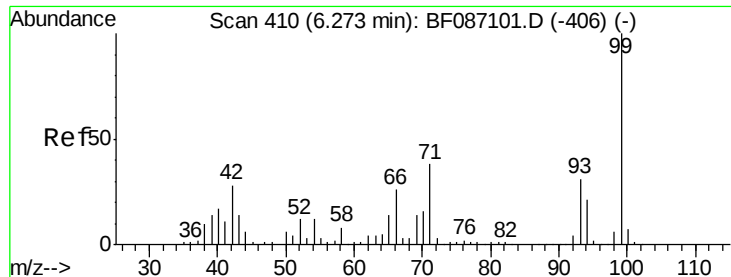


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.94 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion: 99 Resp: 1282847

Ion Ratio Lower Upper

99 100

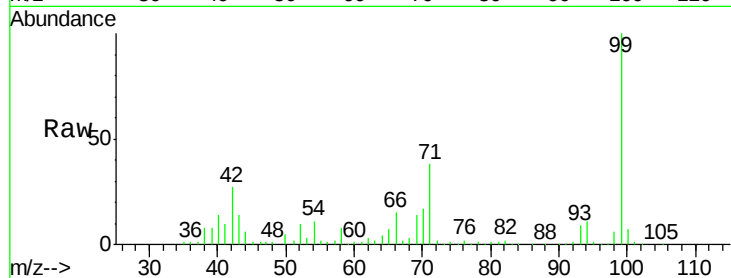
42 26.9 13.6 20.4#

71 38.2 24.6 36.8#

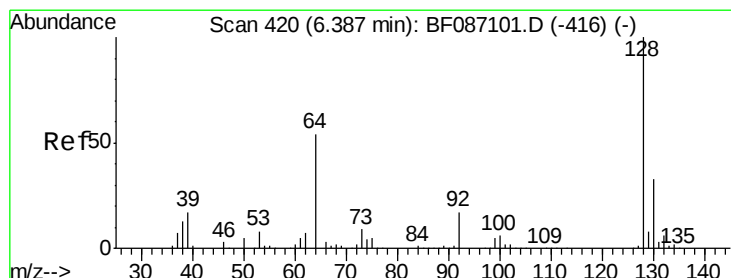
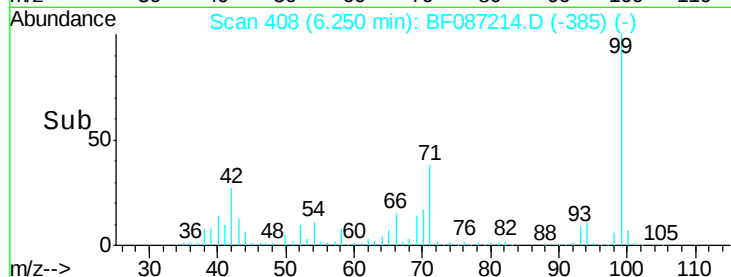
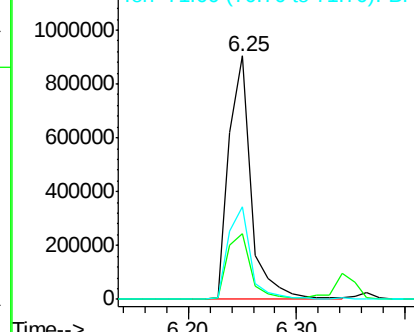
Manual Integrations
APPROVED

sohil

5/20/2016 7:14:25 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 43.76 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

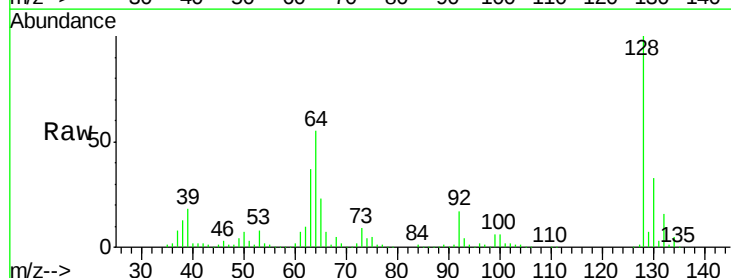
Tgt Ion: 128 Resp: 398013

Ion Ratio Lower Upper

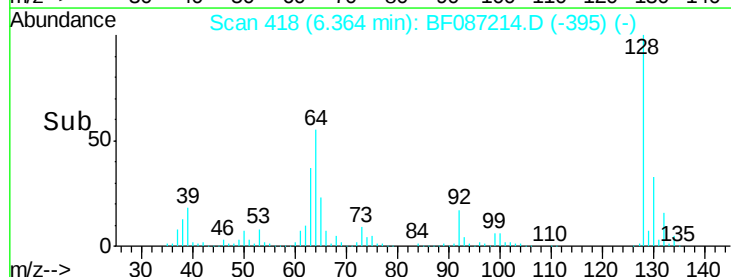
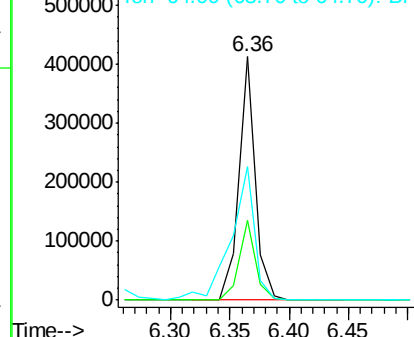
128 100

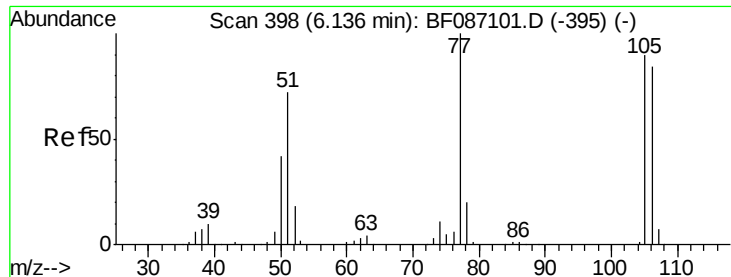
130 33.0 12.5 52.5

64 54.8 27.3 67.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.27 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.02 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

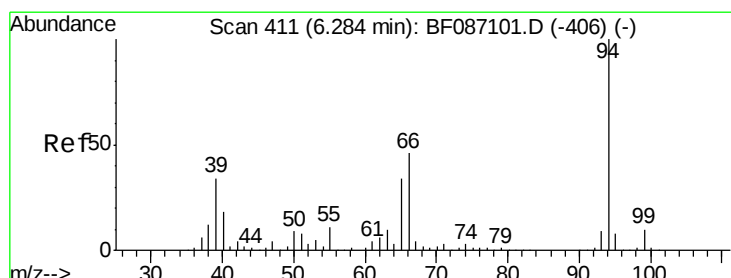
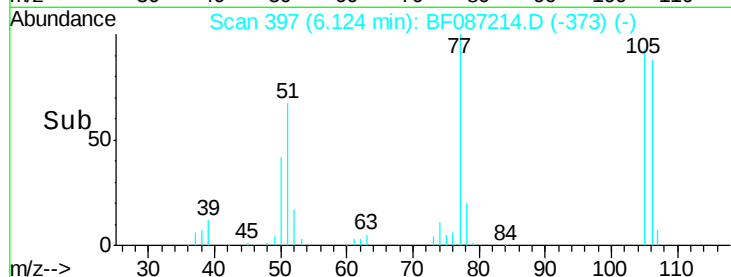
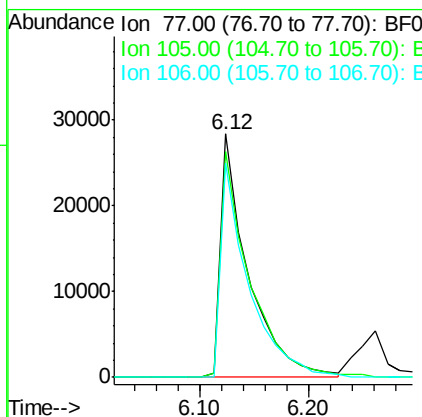
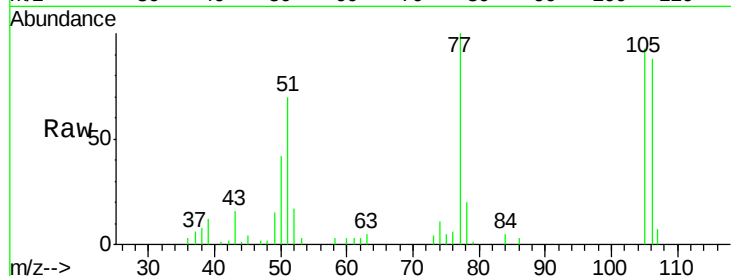
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	77	Resp:	50097
Ion Ratio	Lower	Upper	
77	100		
105	92.9	72.7	112.7
106	88.0	70.8	110.8

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#10

Phenol

Concen: 39.85 ng

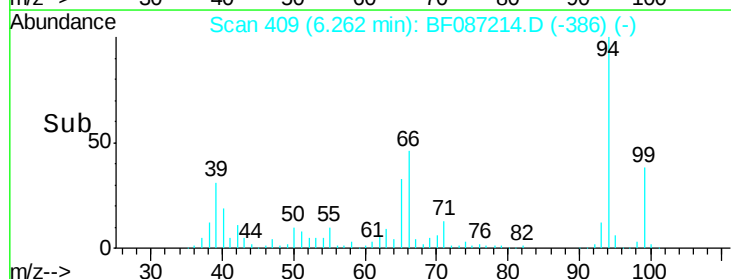
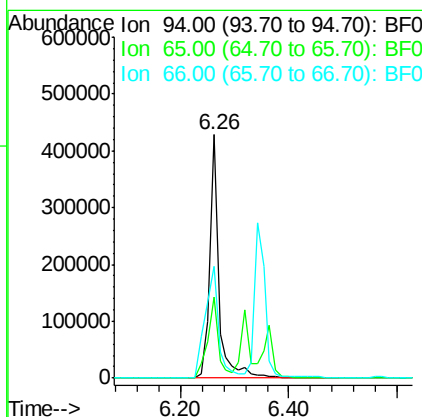
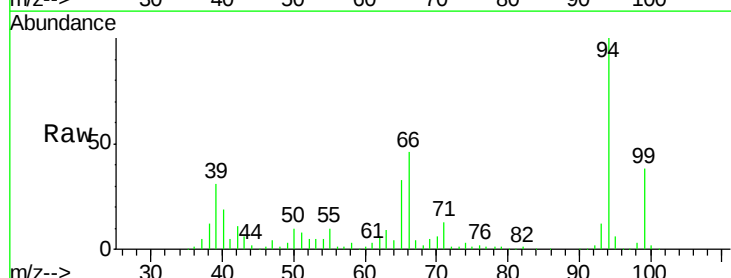
RT: 6.26 min Scan# 409

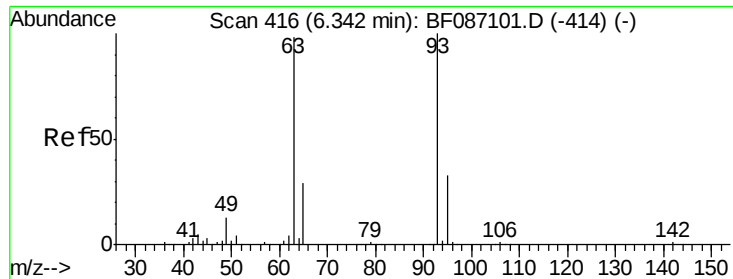
Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	94	Resp:	502330
Ion Ratio	Lower	Upper	
94	100		
65	33.2	7.2	47.2
66	46.1	14.9	54.9





#11

bis(2-Chloroethyl)ether

Concen: 42.62 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

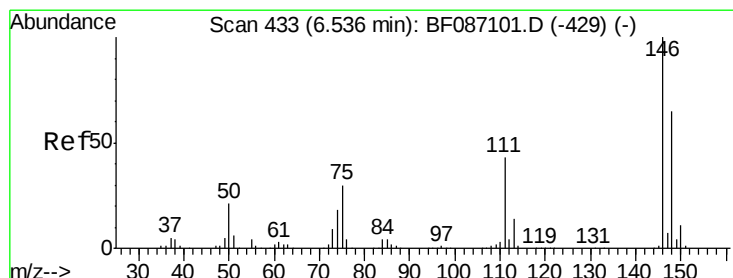
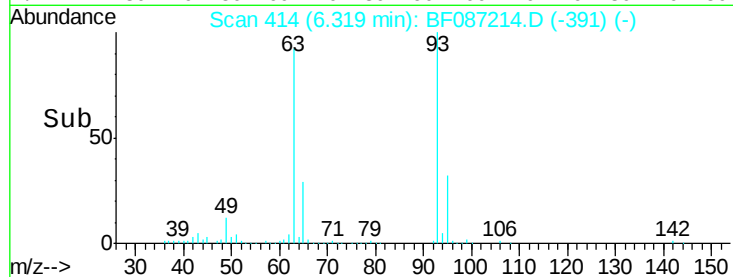
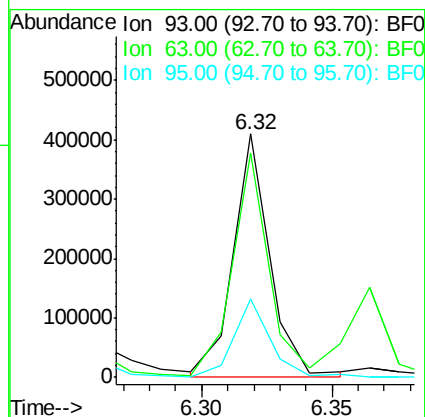
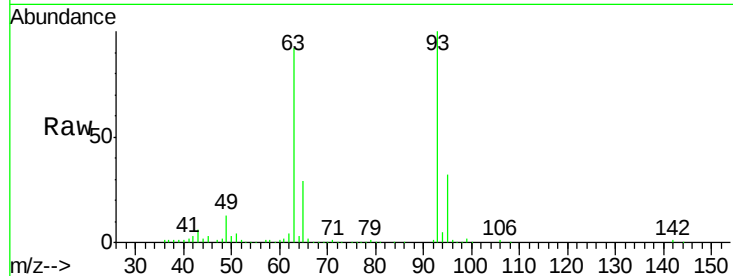
FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
APPROVED

sohil

5/20/2016 7:14:25 PM

Tgt Ion:	93	Resp:	403412
Ion Ratio	Lower	Upper	
93	100		
63	92.3	58.0	98.0
95	32.4	11.9	51.9



#12

1,3-Dichlorobenzene

Concen: 38.49 ng m

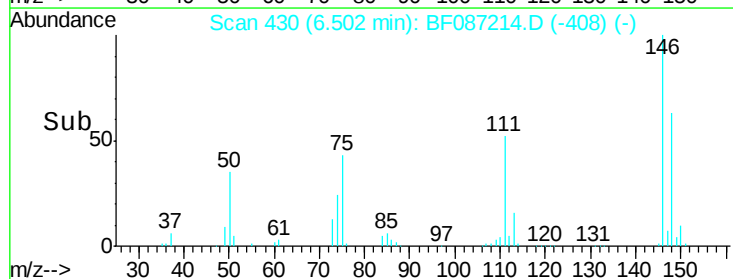
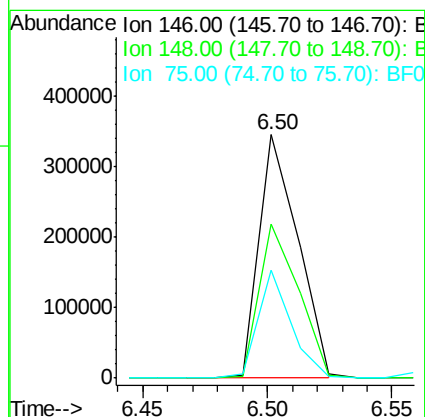
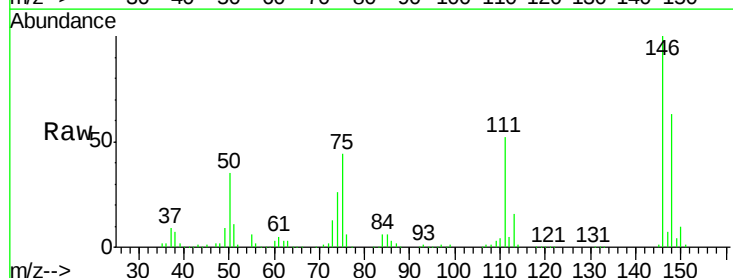
RT: 6.50 min Scan# 430

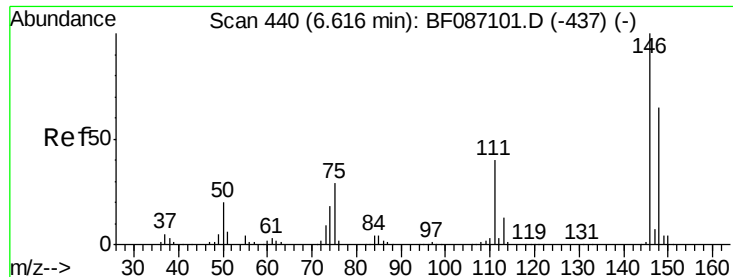
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	146	Resp:	372186
Ion Ratio	Lower	Upper	
146	100		
148	63.3	52.4	78.6
75	44.2	22.8	34.2#





#13

1,4-Dichlorobenzene

Concen: 38.72 ng m

RT: 6.58 min Scan# 437

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

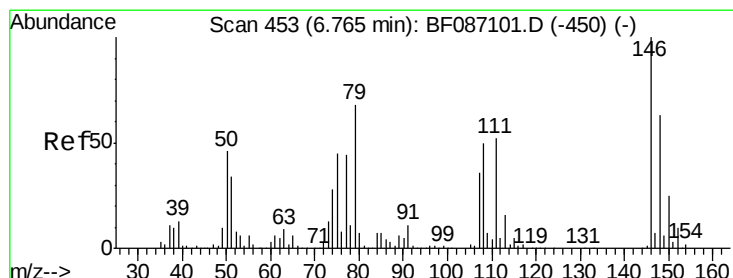
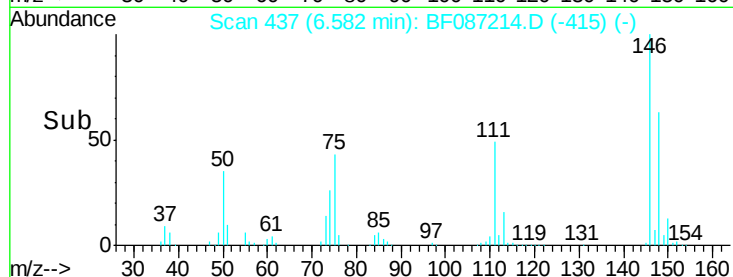
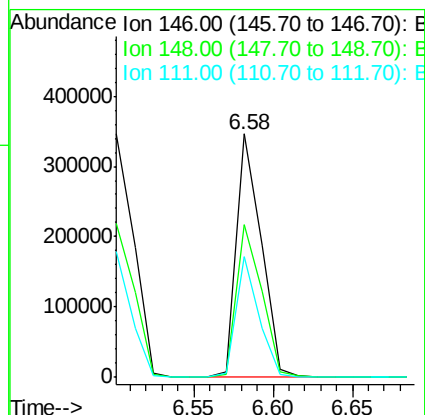
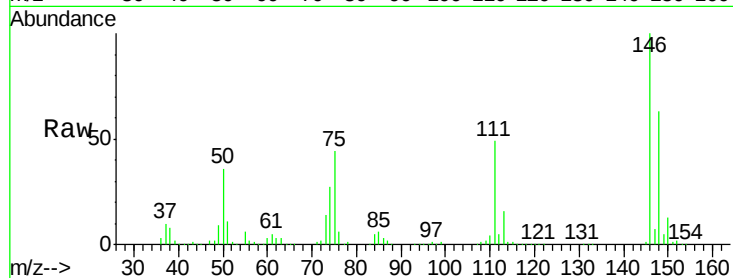
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	146	Resp:	383081
Ion Ratio	Lower	Upper	
146	100		
148	63.0	52.2	78.4
111	49.4	30.7	46.1#

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#14

1,2-Dichlorobenzene

Concen: 40.88 ng

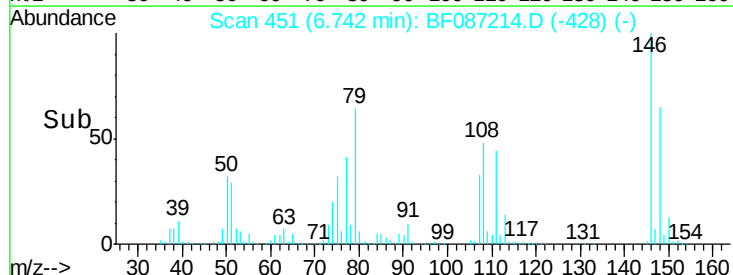
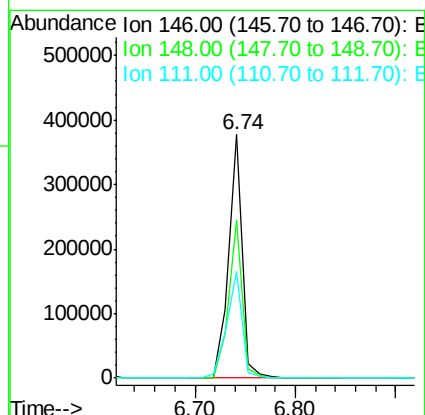
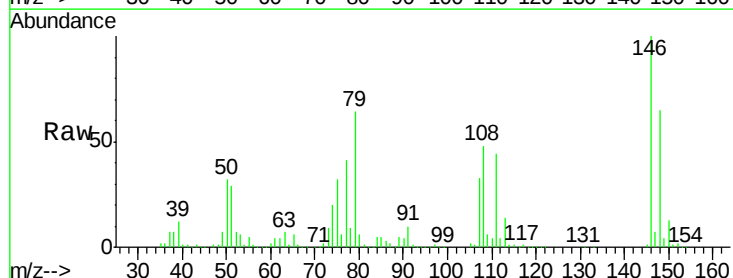
RT: 6.74 min Scan# 451

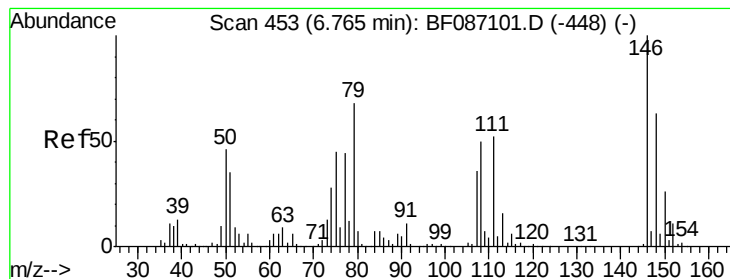
Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	146	Resp:	354106
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.0	76.6
111	43.9	36.2	54.4





#15

Benzyl Alcohol

Concen: 51.70 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

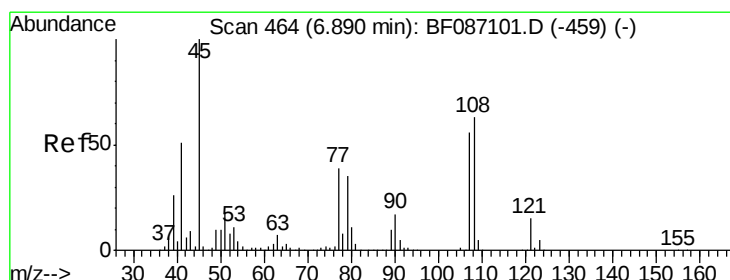
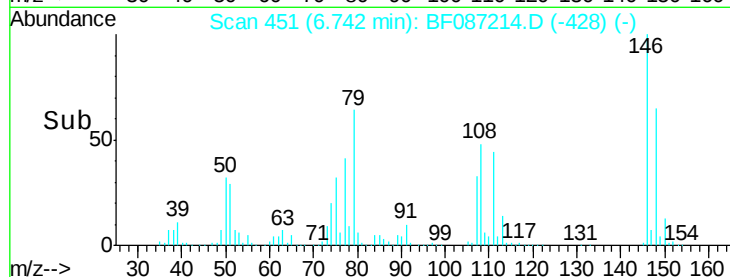
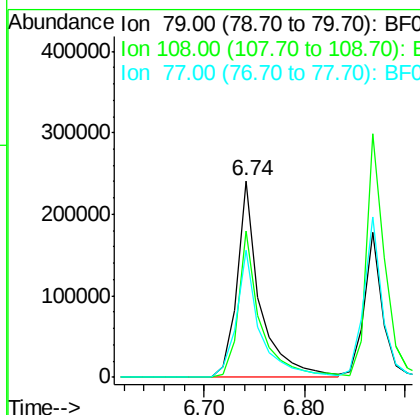
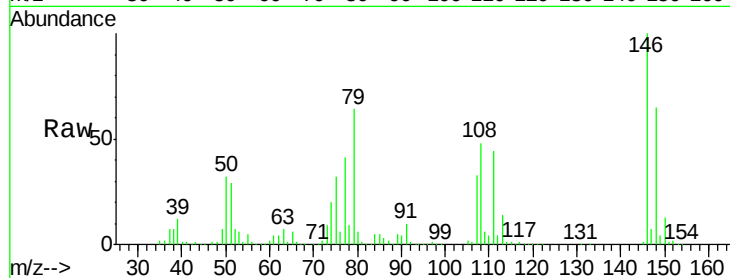
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	79	Resp:	385931
Ion Ratio	Lower	Upper	
79	100		
108	74.8	68.4	102.6
77	64.7	50.6	76.0

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.59 ng

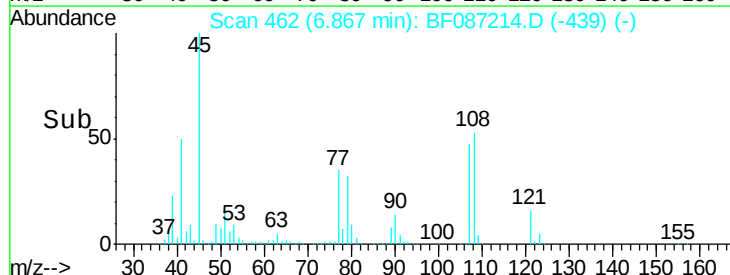
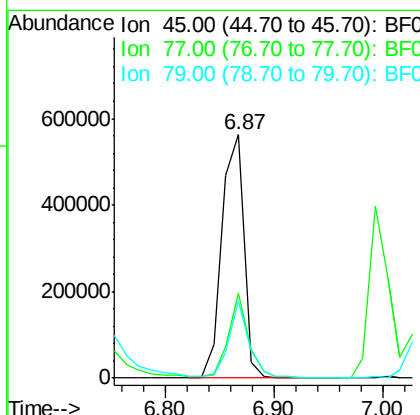
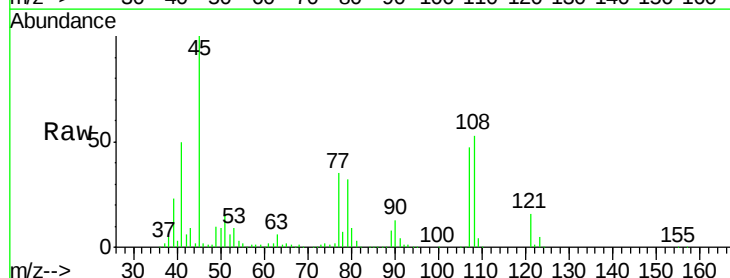
RT: 6.87 min Scan# 462

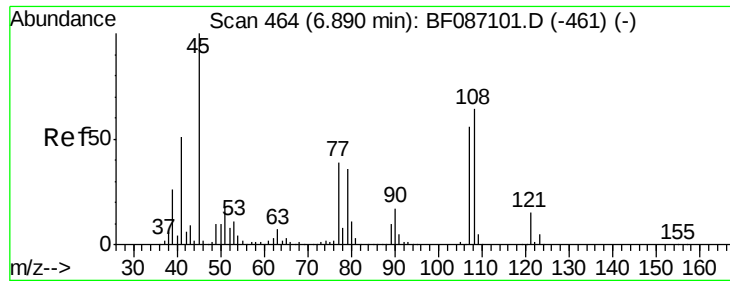
Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	45	Resp:	789713
Ion Ratio	Lower	Upper	
45	100		
77	35.0	0.0	36.4
79	31.7	0.0	33.4





#17

2-Methylphenol

Concen: 44.07 ng

RT: 6.87 min Scan# 462

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

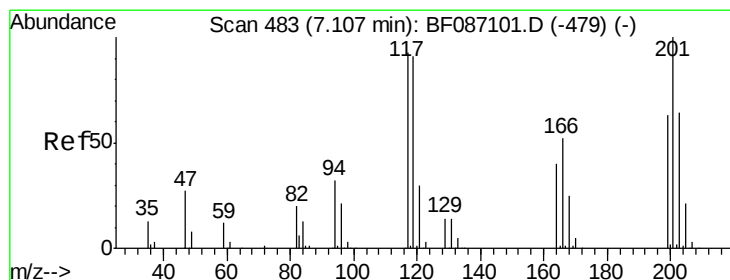
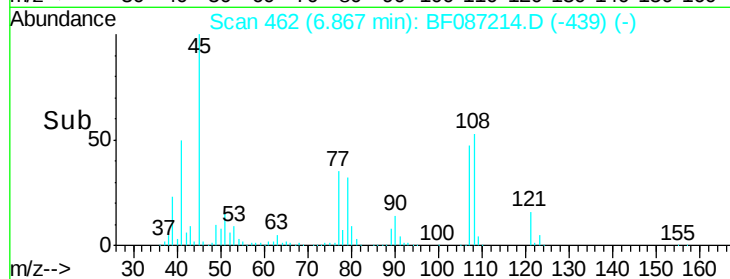
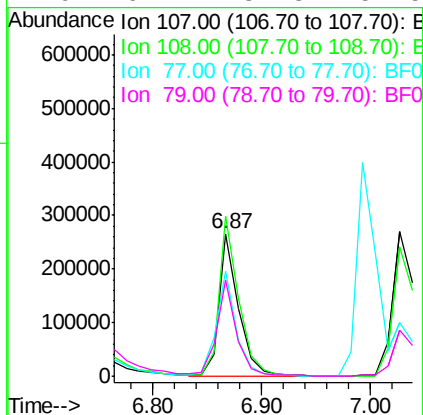
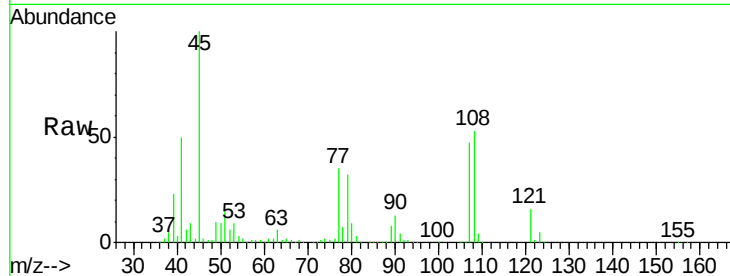
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	329233		
108	112.6	93.7	140.5	
77	74.3	33.4	50.0#	
79	67.2	34.3	51.5#	



#18

Hexachloroethane

Concen: 38.45 ng

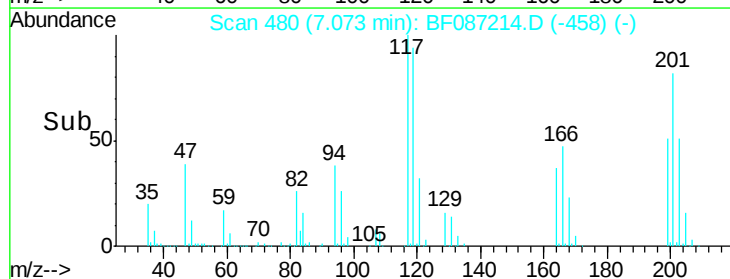
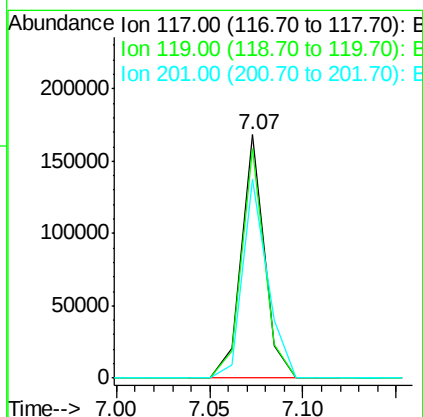
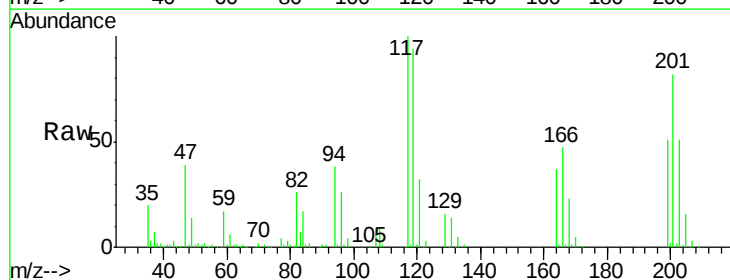
RT: 7.07 min Scan# 480

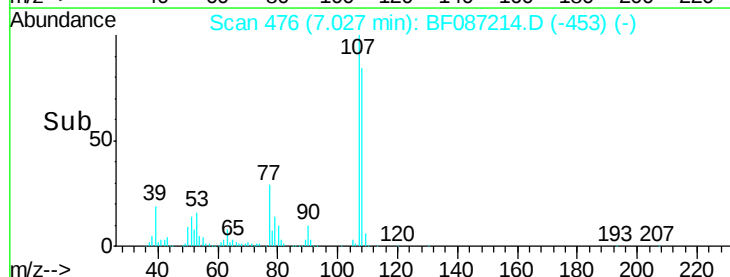
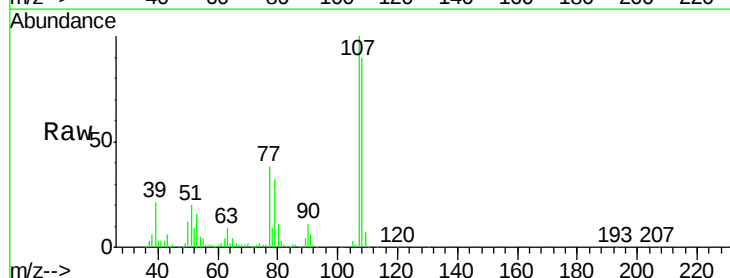
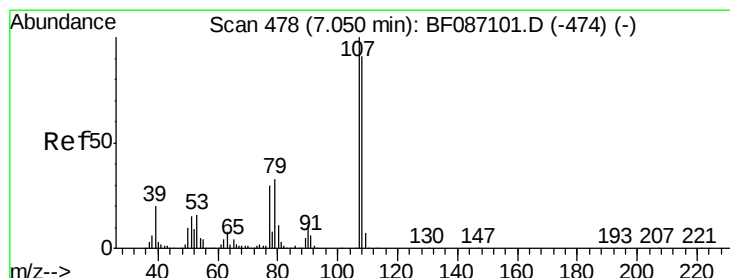
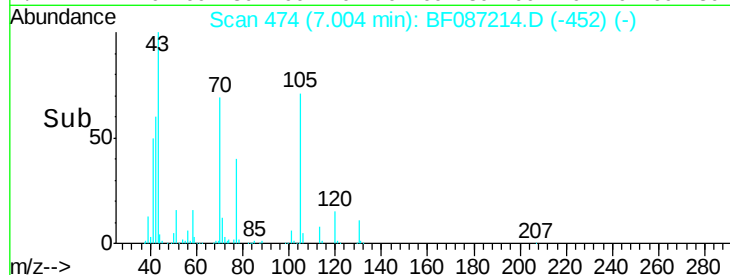
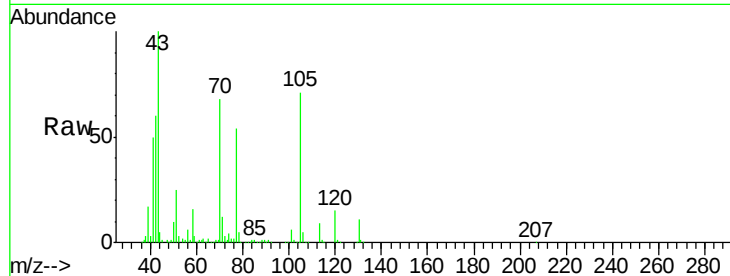
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	145406		
119	94.1	76.5	114.7	
201	81.7	63.0	94.6	





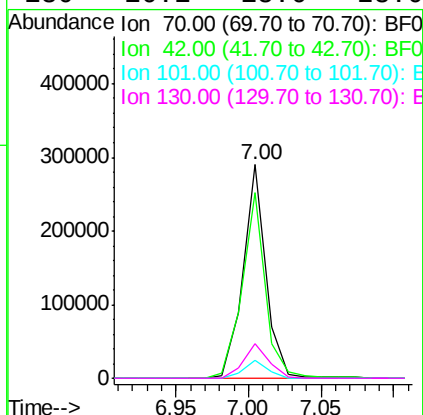
#19
n-Nitroso-di-n-propylamine
Concen: 41.61 ng
RT: 7.00 min Scan# 474
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
42	87.2	43.1	64.7#
101	8.5	8.1	12.1
130	16.1	18.6	28.0#

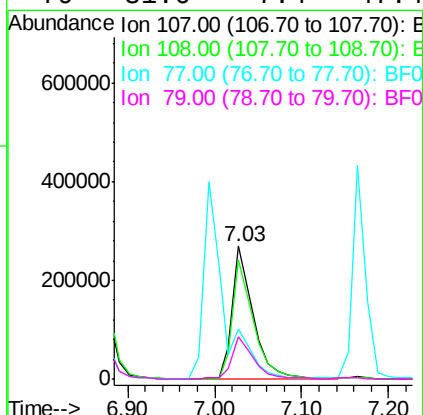
Manual Integrations
APPROVED

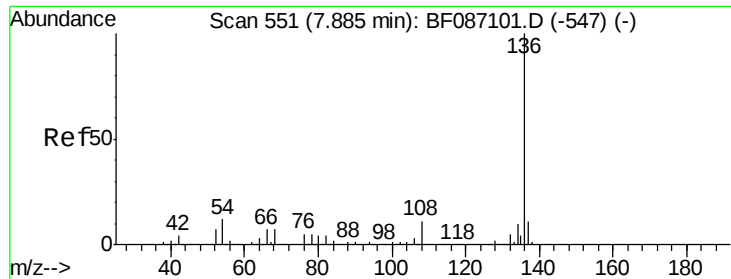
sohil
5/20/2016 7:14:25 PM



#20
3+4-Methylphenols
Concen: 45.41 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	89.9	68.5	108.5
77	37.6	101.6	141.6#
79	31.6	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF087214.D

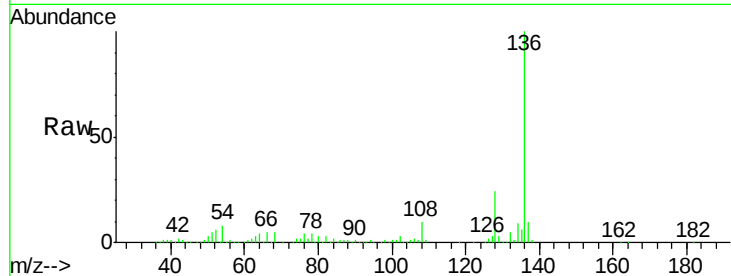
Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD



Tgt Ion:136 Resp: 489877

Ion Ratio Lower Upper

136 100

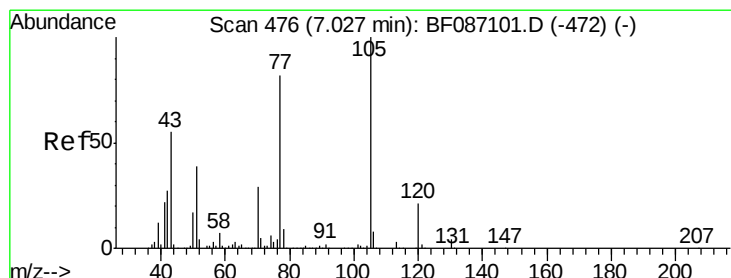
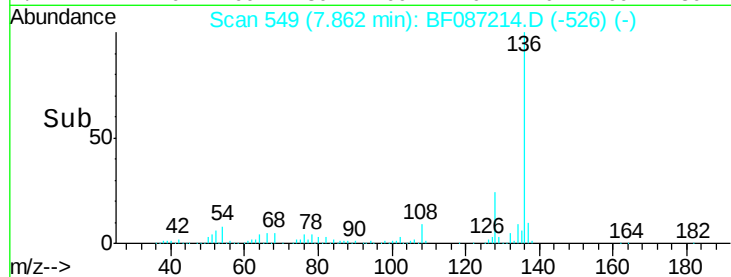
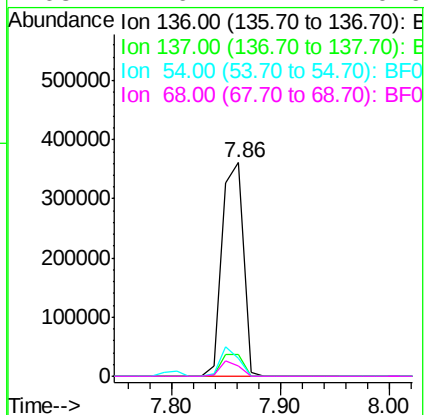
137 10.3 8.8 13.2

54 8.2 5.0 7.4#

68 4.6 4.4 6.6

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#22

Acetophenone

Concen: 49.15 ng

RT: 6.99 min Scan# 473

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:105 Resp: 589267

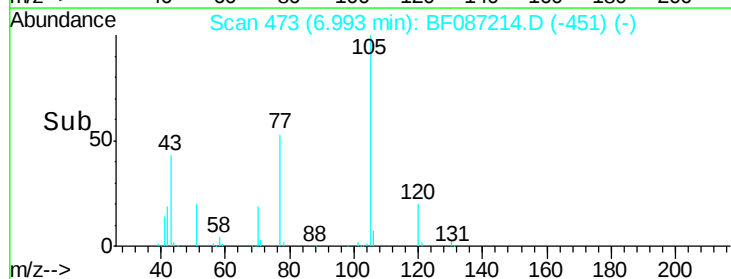
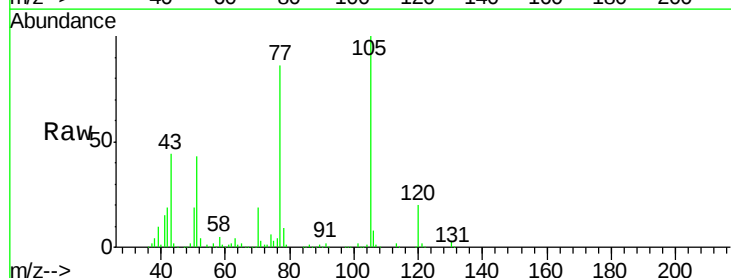
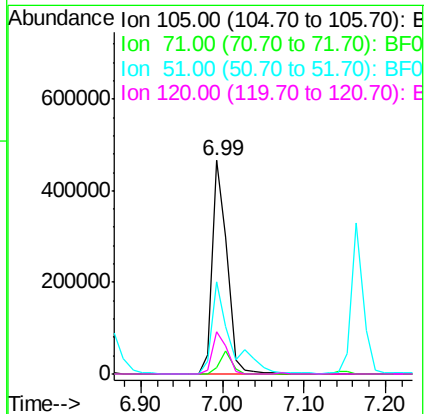
Ion Ratio Lower Upper

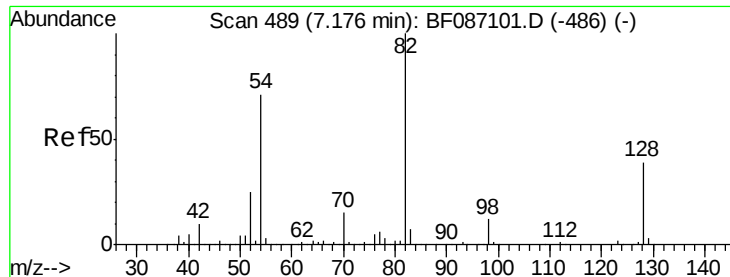
105 100

71 3.2 4.8 7.2#

51 43.1 32.6 49.0

120 20.0 16.5 24.7





#23

Nitrobenzene-d5

Concen: 99.99 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

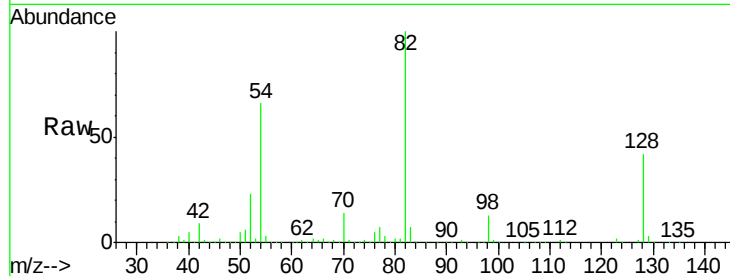
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

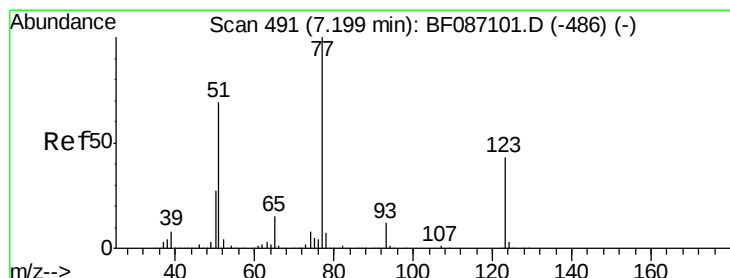
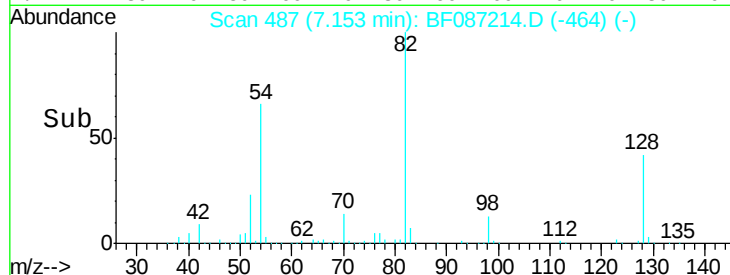
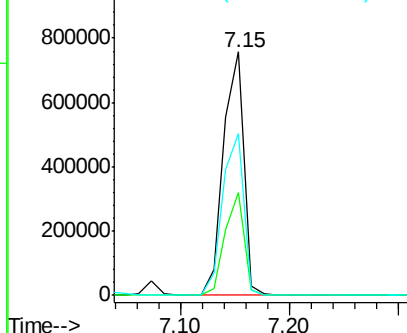
Tgt Ion:	82	Resp:	982803
Ion Ratio	Lower	Upper	
82	100		
128	42.3	40.6	61.0
54	66.3	38.1	57.1#

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 41.92 ng

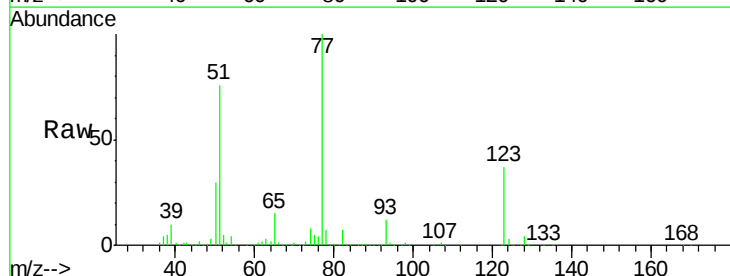
RT: 7.16 min Scan# 488

Delta R.T. -0.05 min

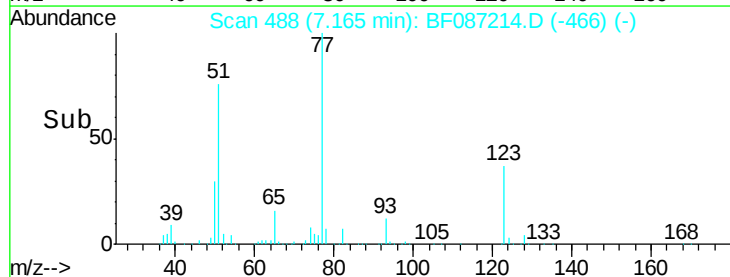
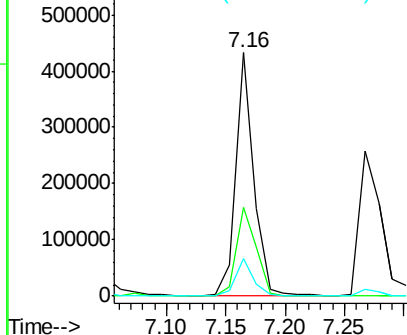
Lab File: BF087214.D

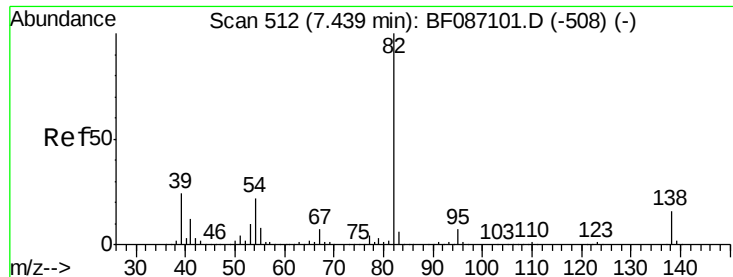
Acq: 20 May 2016 6:09

Tgt Ion:	77	Resp:	449952
Ion Ratio	Lower	Upper	
77	100		
123	36.6	33.0	49.4
65	15.5	10.8	16.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 47.33 ng

RT: 7.40 min Scan# 509

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

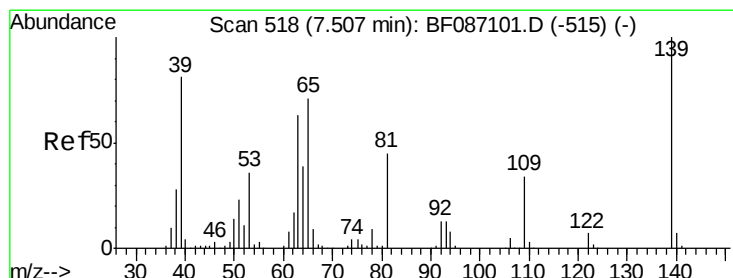
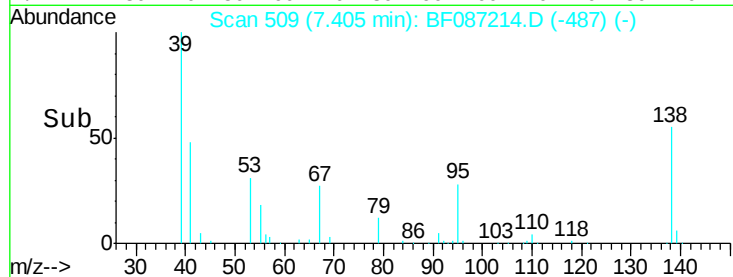
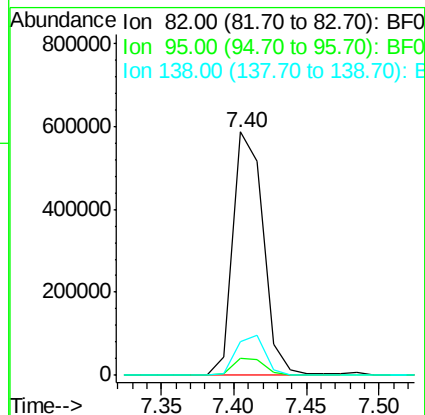
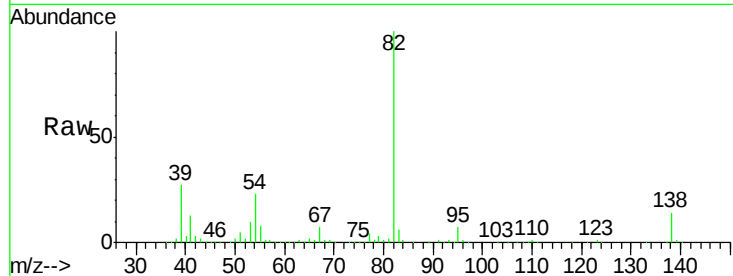
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	82	Resp:	851597
Ion Ratio		Lower	Upper
82	100		
95	7.1	5.1	7.7
138	13.9	12.4	18.6

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#26

2-Nitrophenol

Concen: 48.62 ng

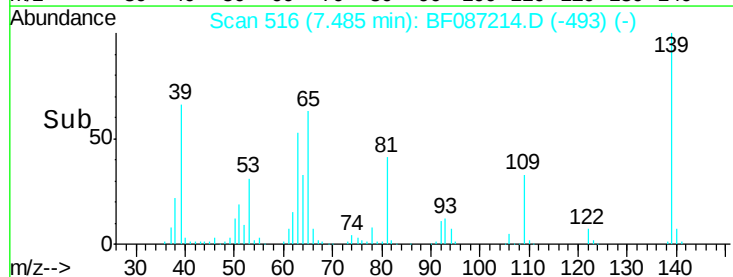
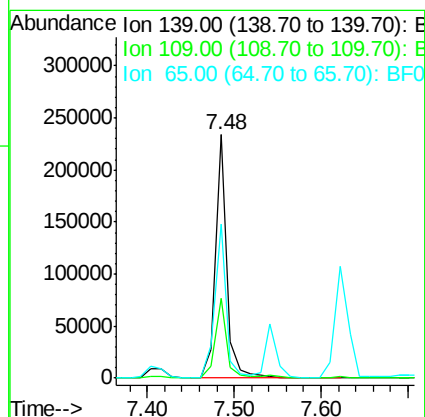
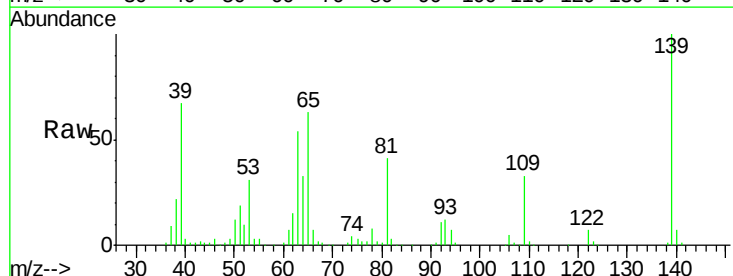
RT: 7.48 min Scan# 516

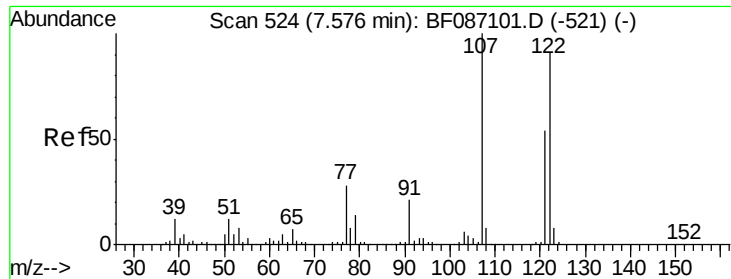
Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	139	Resp:	216166
Ion Ratio		Lower	Upper
139	100		
109	32.9	19.5	29.3#
65	63.2	37.5	56.3#





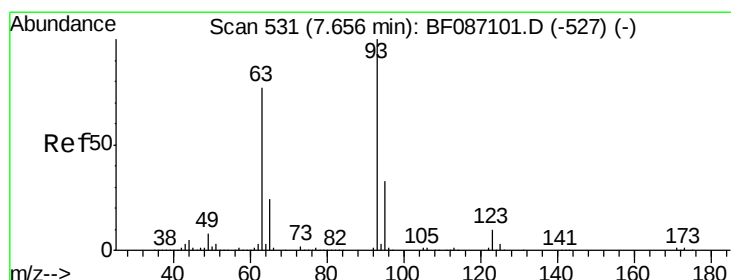
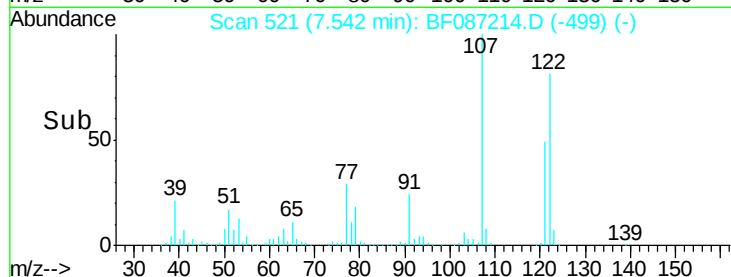
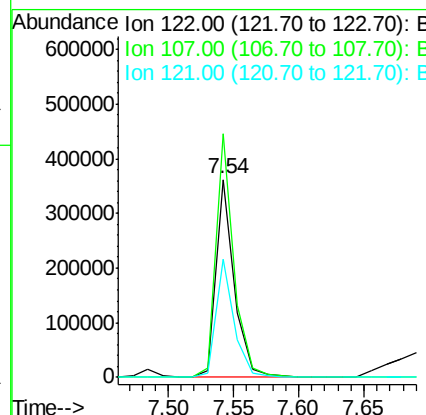
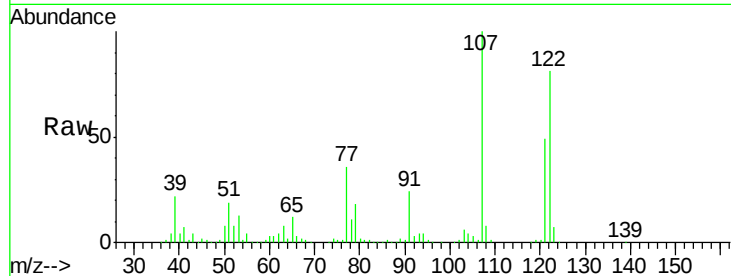
#27
2,4-Dimethylphenol
Concen: 46.91 ng
RT: 7.54 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
122	100		
107	123.1	82.0	123.0#
121	59.8	46.1	69.1

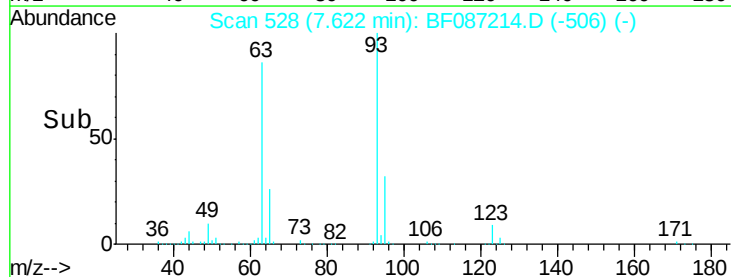
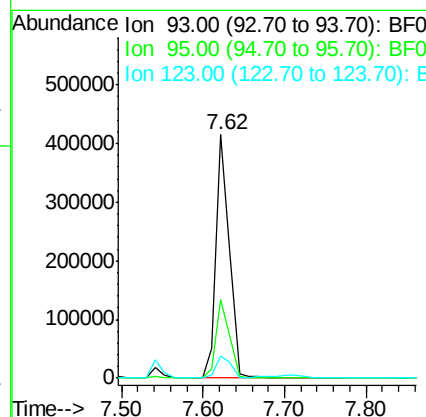
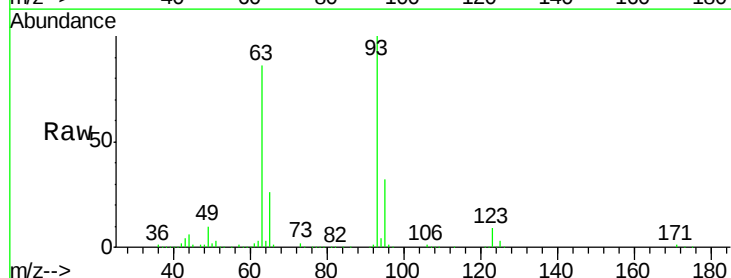
Manual Integrations
APPROVED

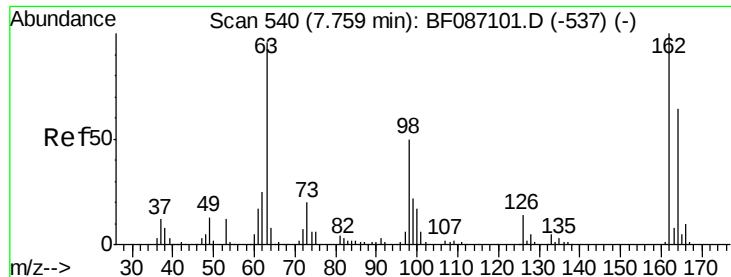
sohil
5/20/2016 7:14:25 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.87 ng
RT: 7.62 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
95	32.4	26.0	39.0
123	9.2	9.5	14.3#





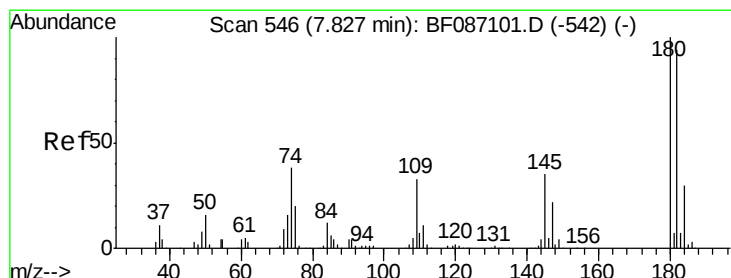
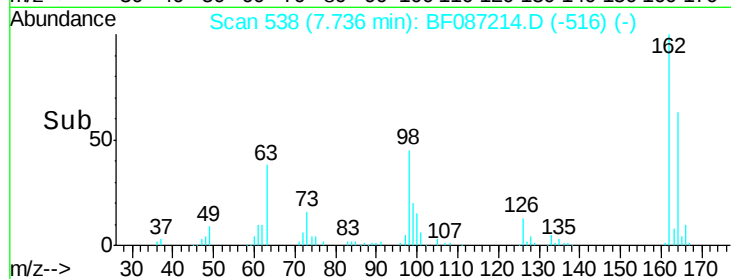
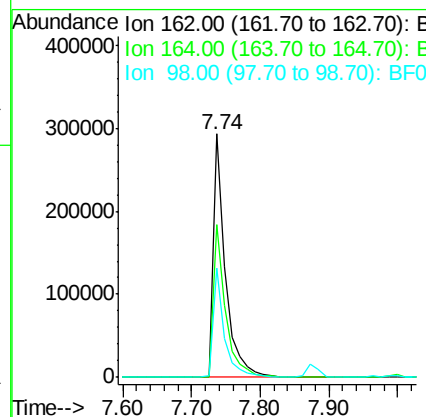
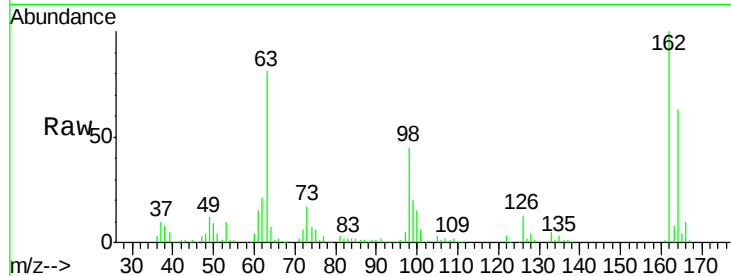
#29
2,4-Dichlorophenol
Concen: 54.32 ng
RT: 7.74 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	62.6	42.2	82.2
98	44.9	19.0	59.0

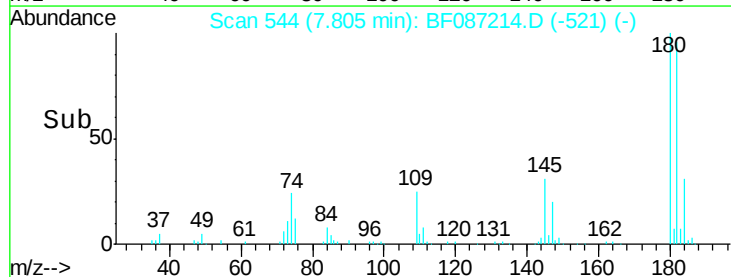
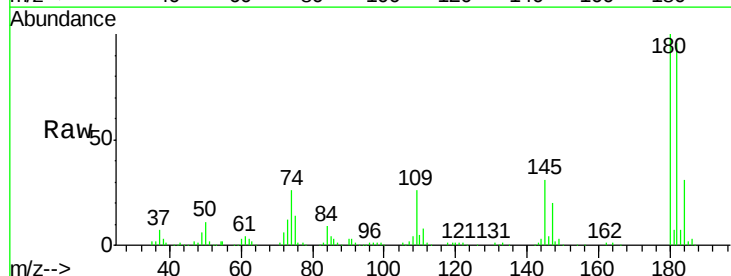
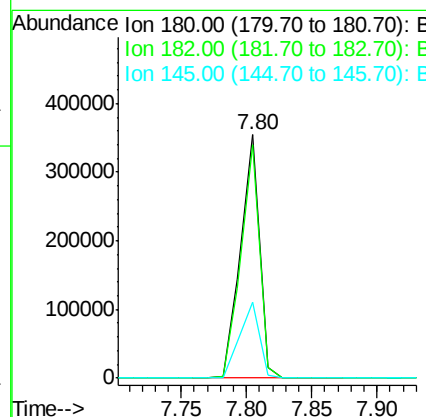
Manual Integrations
APPROVED

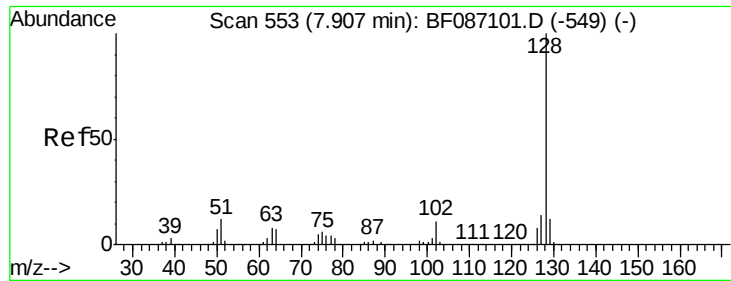
sohil
5/20/2016 7:14:25 PM



#30
1,2,4-Trichlorobenzene
Concen: 48.11 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	78.0	117.0
145	31.0	24.2	36.2





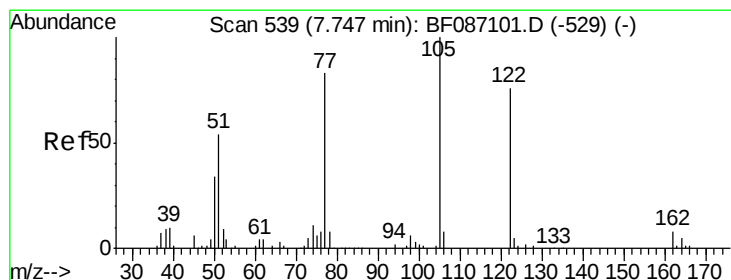
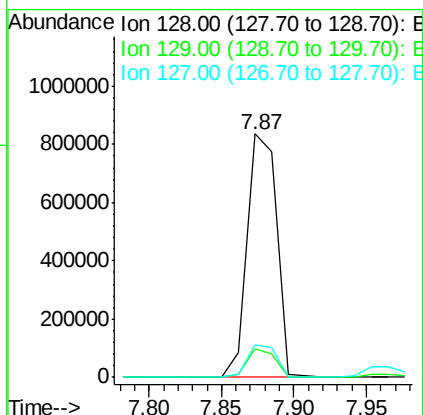
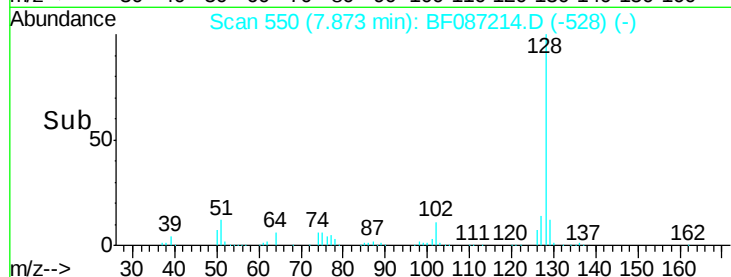
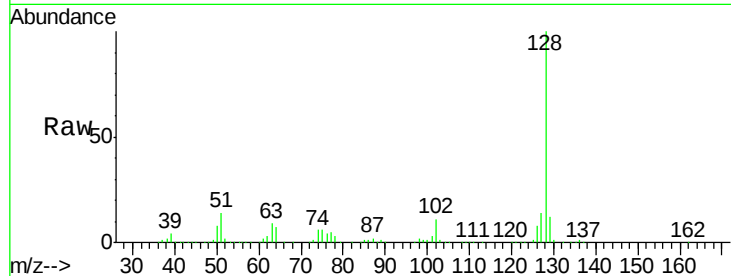
#31
Naphthalene
Concen: 49.27 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:128 Resp: 1179322
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.5 10.8 16.2

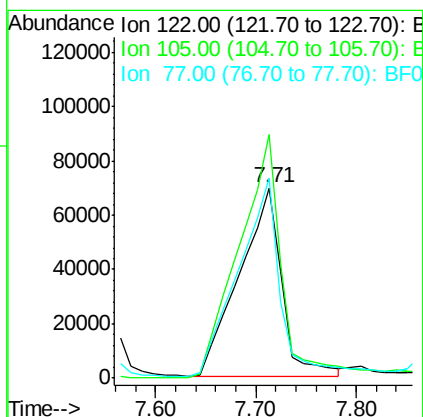
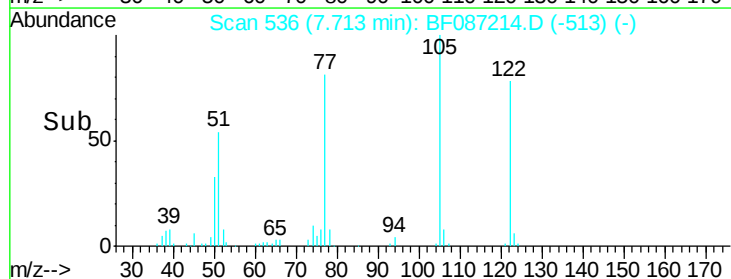
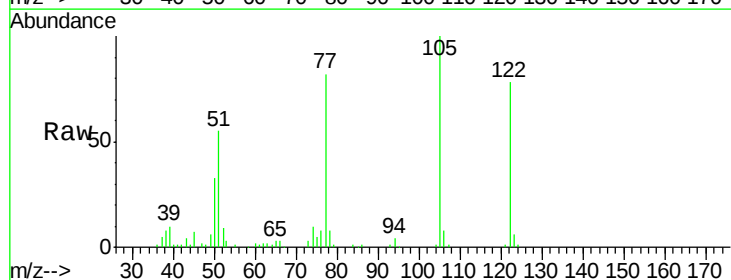
Manual Integrations
APPROVED

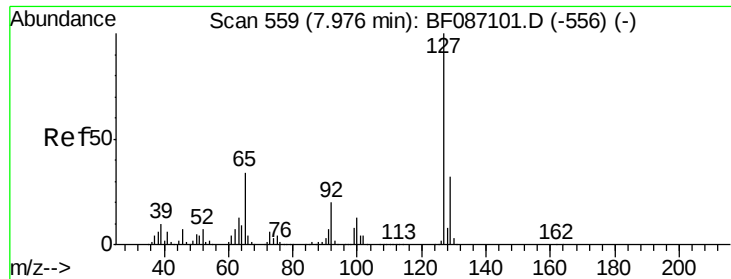
sohil
5/20/2016 7:14:25 PM



#32
Benzoic acid
Concen: 44.83 ng
RT: 7.71 min Scan# 536
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion:122 Resp: 202744
Ion Ratio Lower Upper
122 100
105 128.0 92.6 132.6
77 105.3 60.0 100.0#





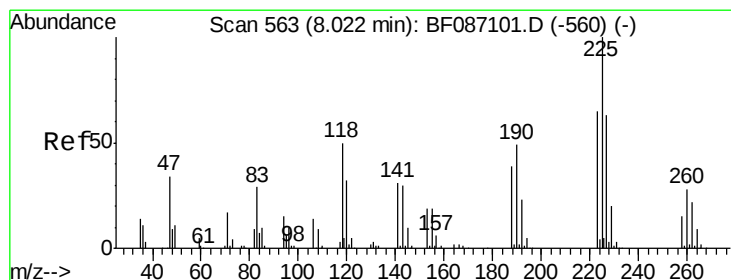
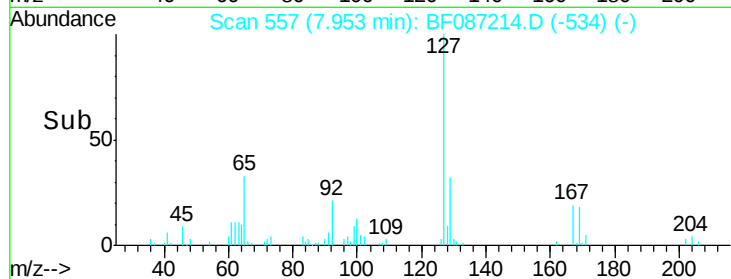
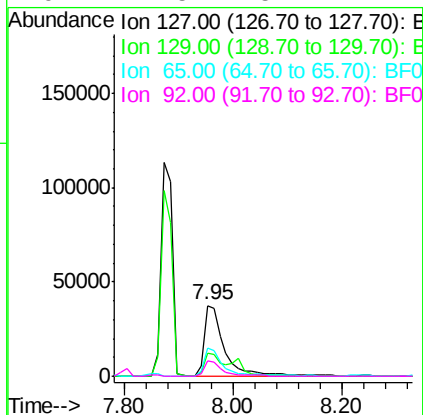
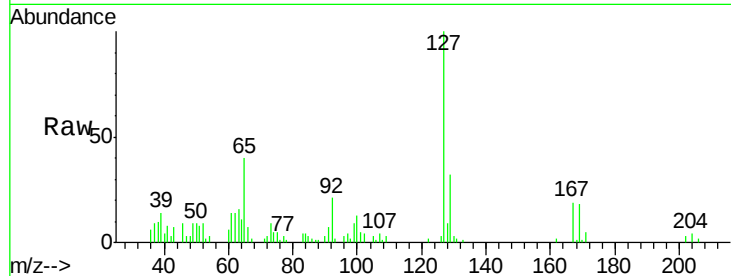
#33
4-Chloroaniline
Concen: 9.33 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.5	26.2	39.4	
65	39.6	23.0	34.4	
92	21.5	15.1	22.7	

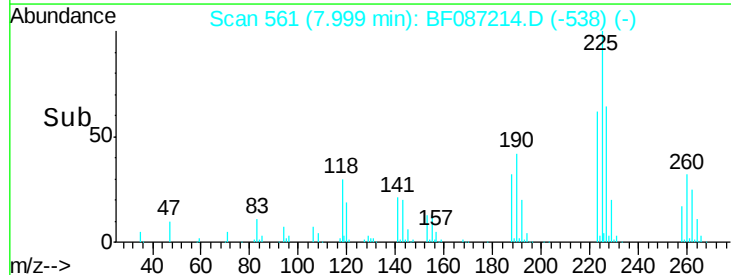
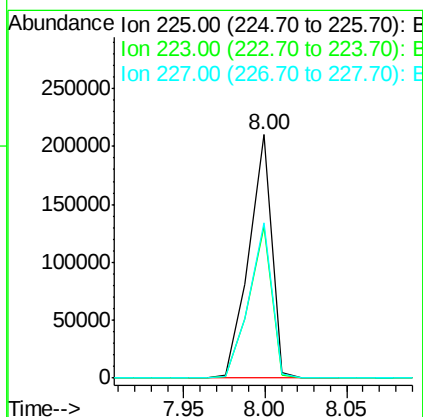
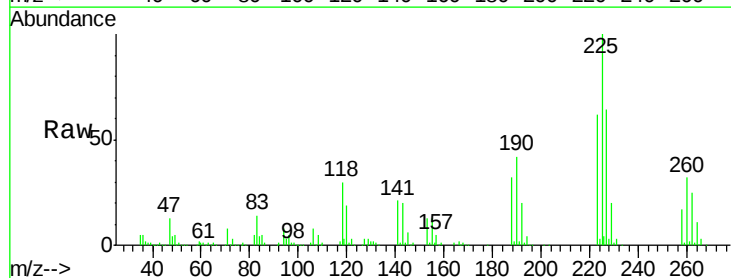
Manual Integrations
APPROVED

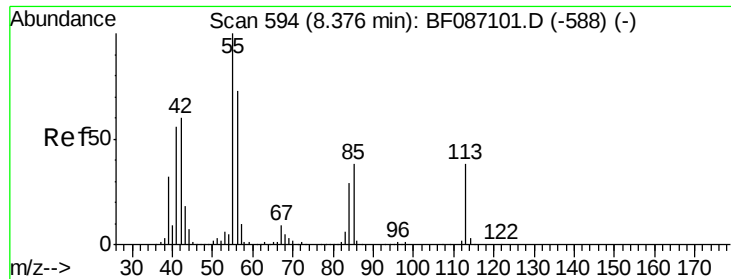
sohil
5/20/2016 7:14:25 PM



#34
Hexachlorobutadiene
Concen: 48.79 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	51.5	77.3	
227	63.8	52.2	78.2	





#35

Caprolactam

Concen: 41.62 ng m

RT: 8.34 min Scan# 591

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:113 Resp: 92667
Ion Ratio Lower Upper

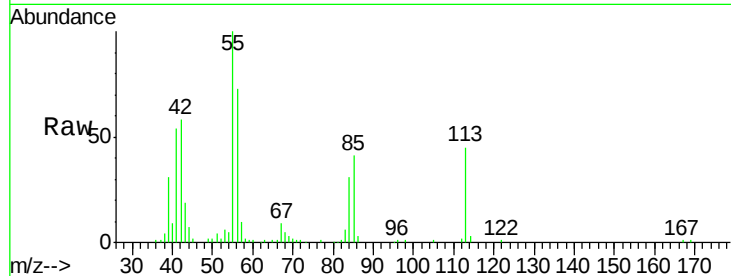
113 100

55 222.5 162.0 202.0#

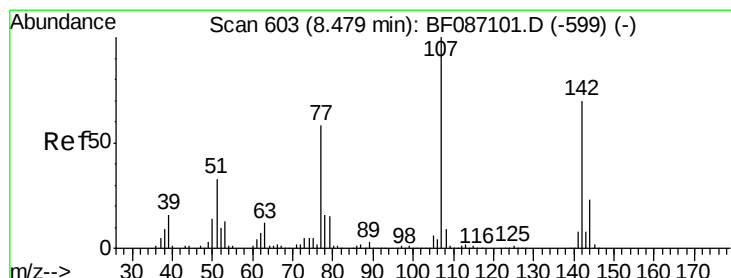
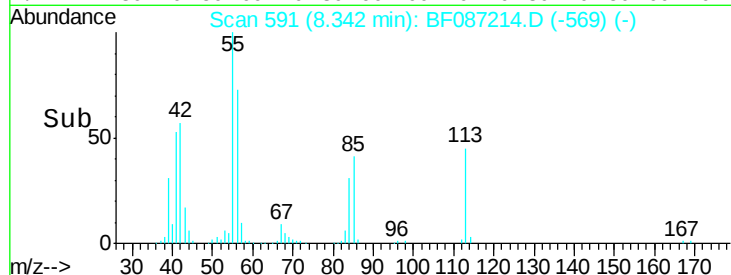
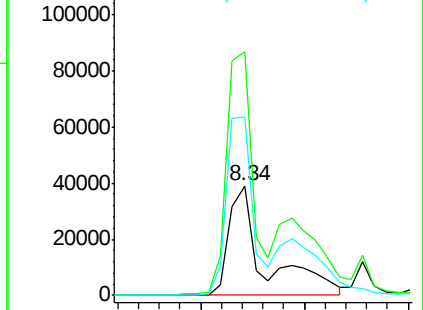
56 163.1 115.3 155.3#

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



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



#36

4-Chloro-3-methylphenol

Concen: 47.82 ng

RT: 8.46 min Scan# 601

Delta R.T. -0.03 min

Lab File: BF087214.D

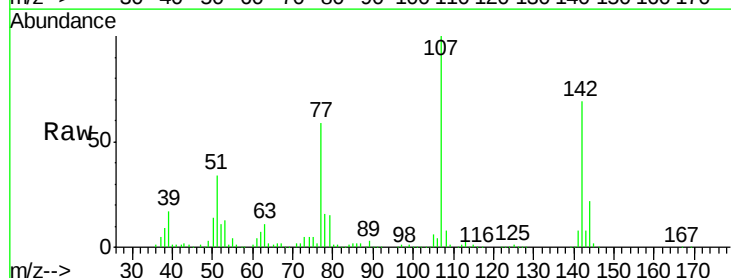
Acq: 20 May 2016 6:09

Tgt Ion:107 Resp: 385641
Ion Ratio Lower Upper

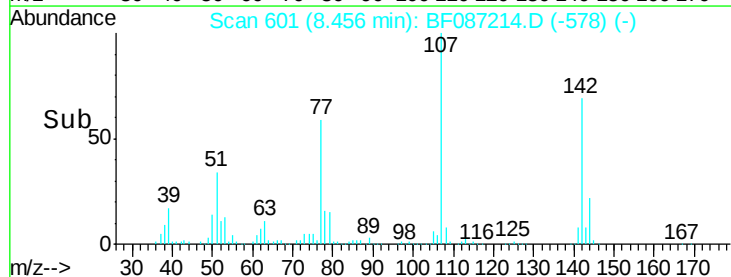
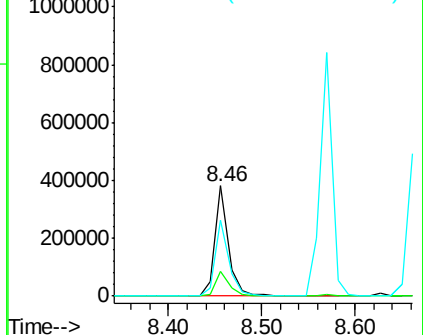
107 100

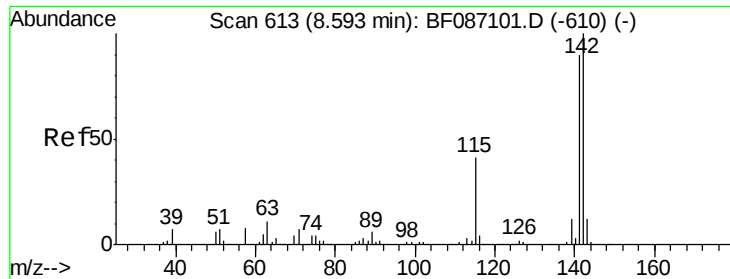
144 22.3 20.7 31.1

142 68.8 63.2 94.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





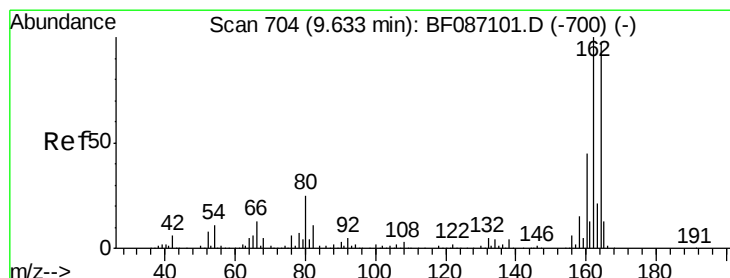
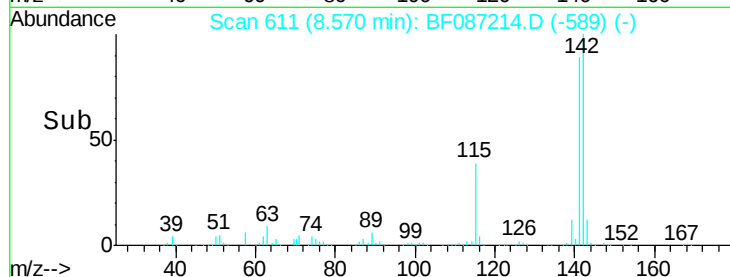
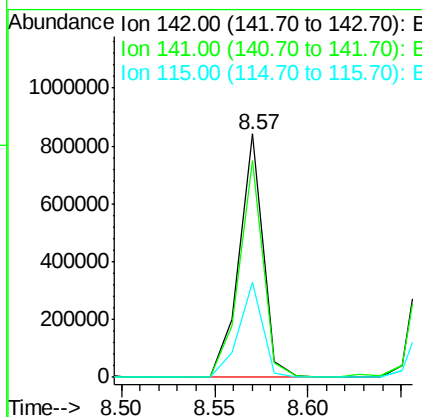
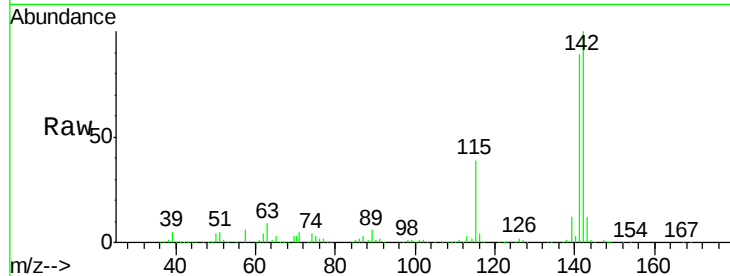
#37
 2-Methylnaphthalene
 Concen: 49.55 ng
 RT: 8.57 min Scan# 611
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	758675		
141	88.8	71.0	106.6	
115	39.1	26.6	39.8	

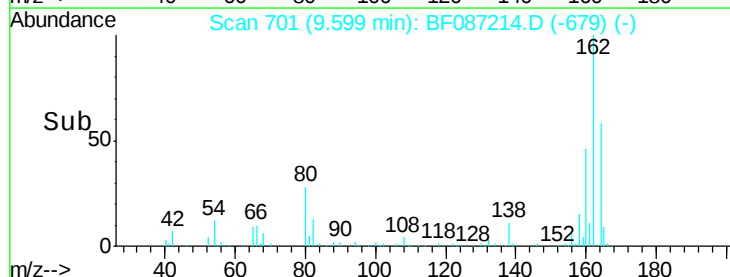
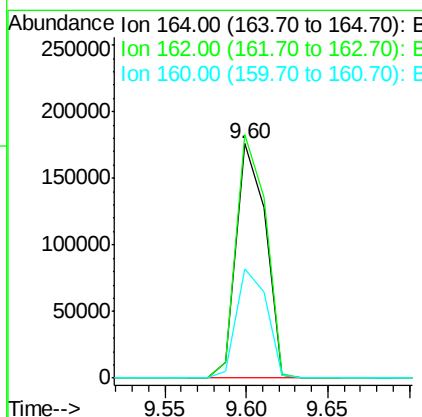
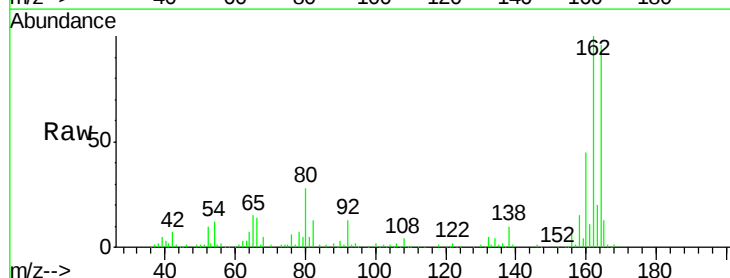
Manual Integrations
 APPROVED

sohil
 5/20/2016 7:14:25 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217631		
162	104.0	82.8	124.2	
160	46.6	36.9	55.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 50.48 ng

RT: 8.74 min Scan# 626

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

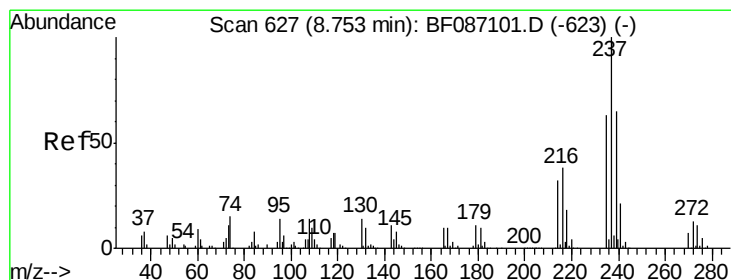
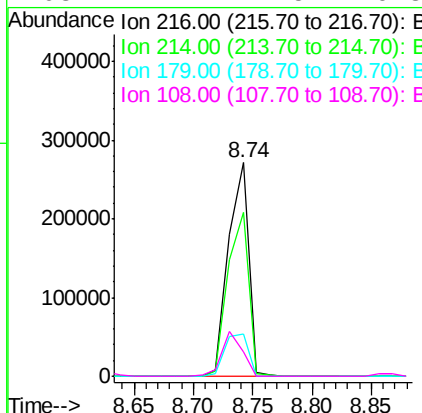
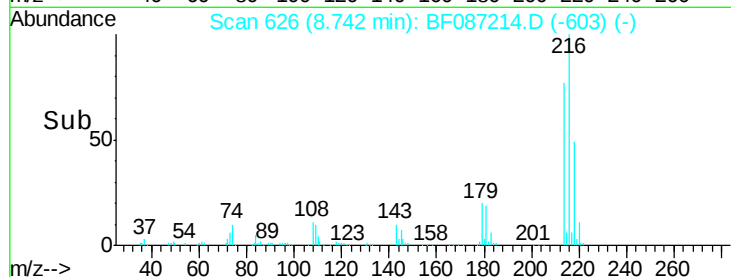
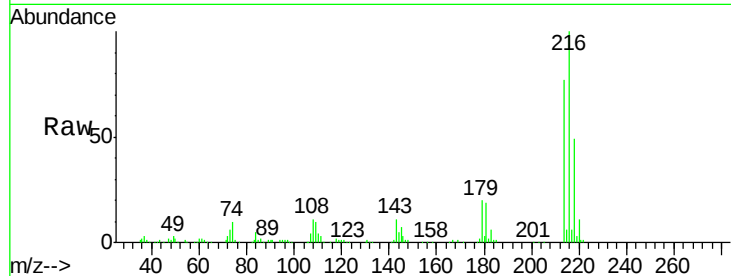
FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
APPROVED

sohil

5/20/2016 7:14:25 PM

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	320870		
214	78.9	62.6	93.8	
179	23.0	18.2	27.4	
108	21.1	17.5	26.3	



#40

Hexachlorocyclopentadiene

Concen: 47.19 ng

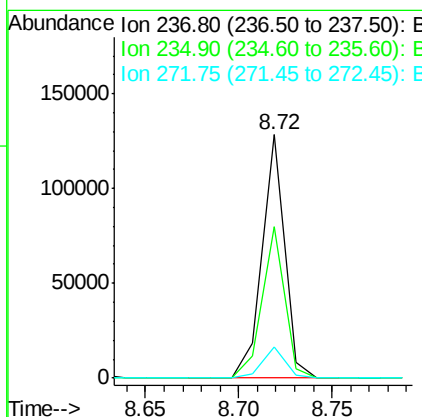
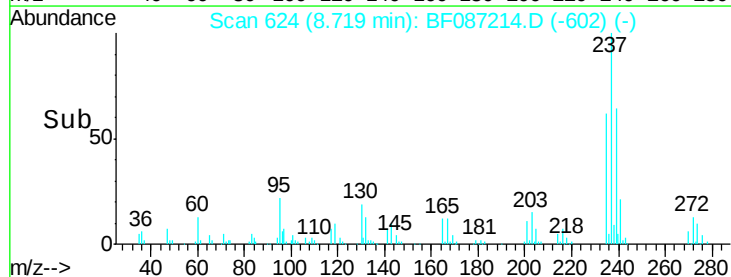
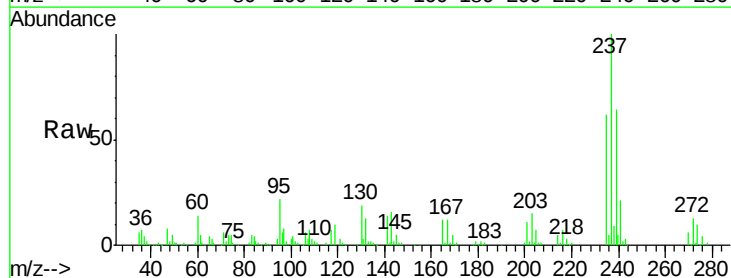
RT: 8.72 min Scan# 624

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	107081		
235	62.3	47.2	87.2	
272	12.6	0.0	31.1	





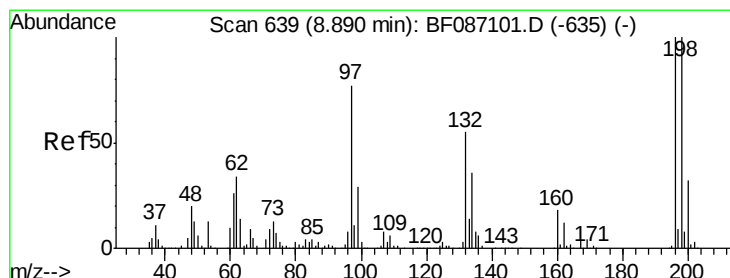
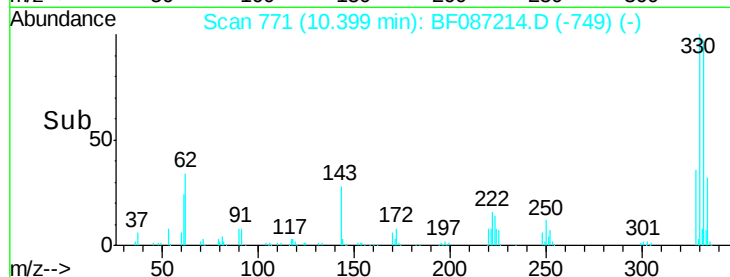
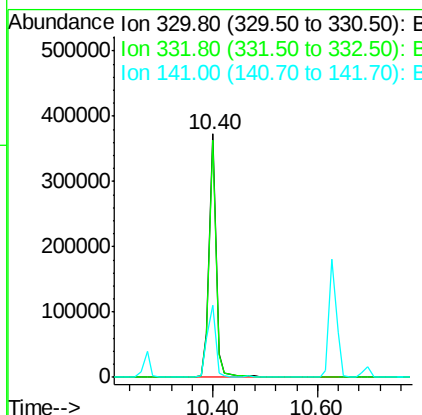
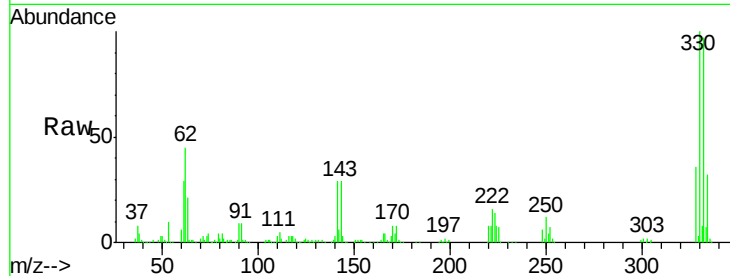
#41
 2,4,6-Tribromophenol
 Concen: 145.57 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	350074		
332	96.7	79.0	118.4	
141	36.0	31.2	46.8	

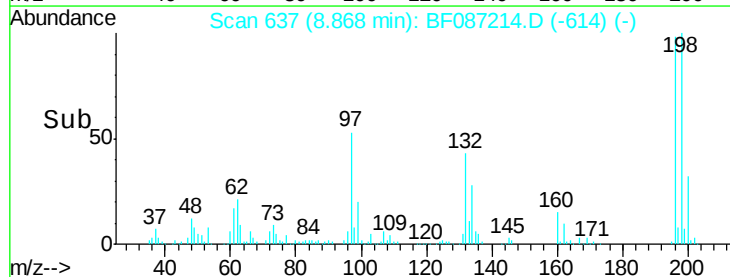
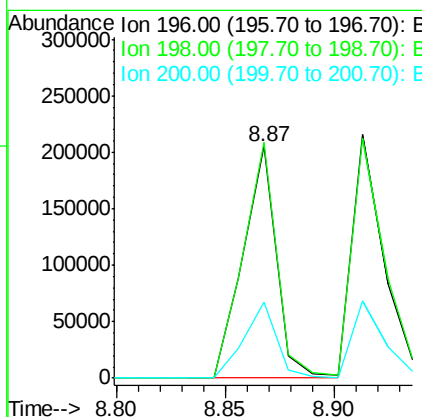
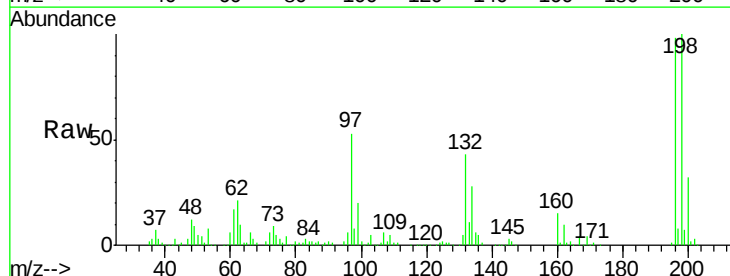
Manual Integrations
 APPROVED

sohil
 5/20/2016 7:14:25 PM



#42
 2,4,6-Trichlorophenol
 Concen: 53.23 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.03 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	219444		
198	101.8	74.7	112.1	
200	32.6	23.8	35.6	





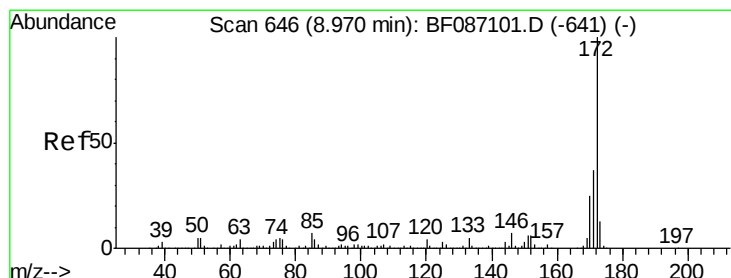
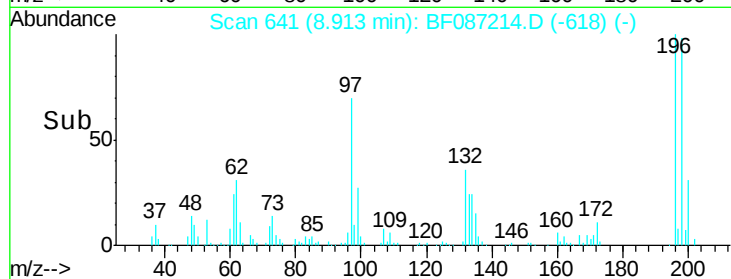
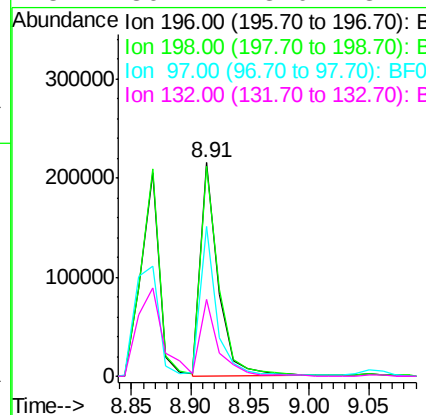
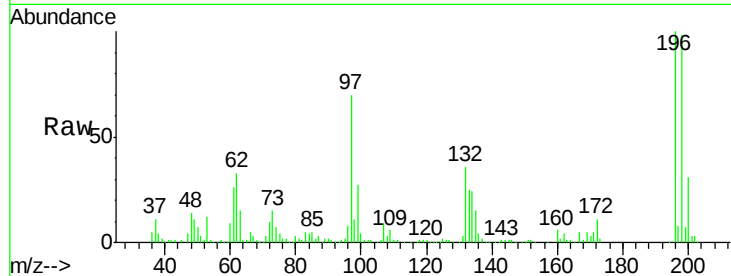
#43
 2,4,5-Trichlorophenol
 Concen: 53.13 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.03 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	227537		
198	98.3	77.5	116.3	
97	70.4	34.8	52.2	#
132	36.1	23.0	34.4	#

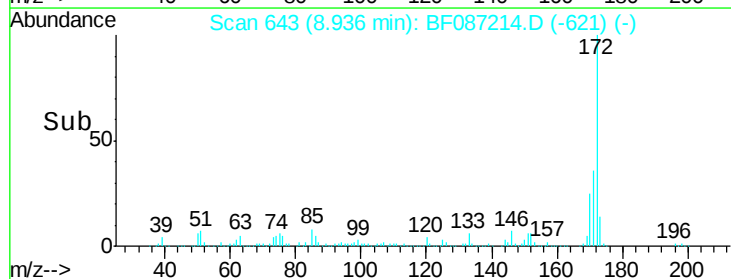
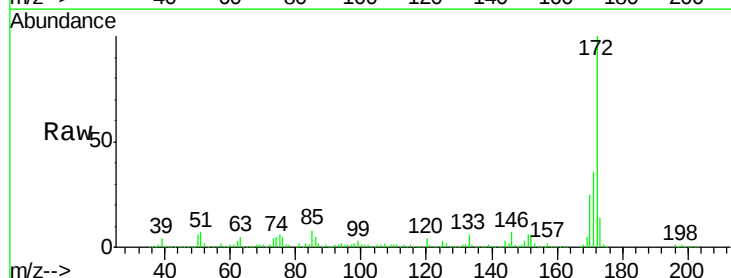
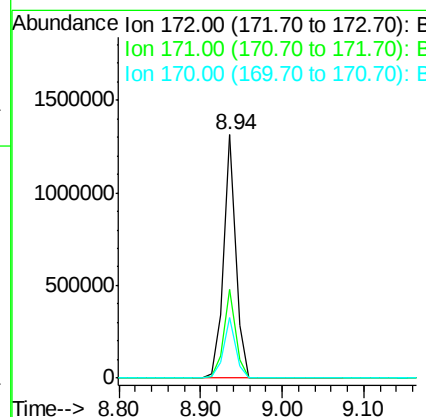
Manual Integrations
 APPROVED

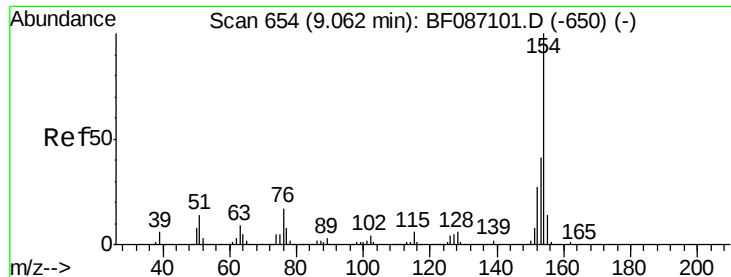
sohil
 5/20/2016 7:14:25 PM



#44
 2-Fluorobiphenyl
 Concen: 102.91 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1352261		
171	36.5	29.0	43.6	
170	24.6	19.8	29.8	





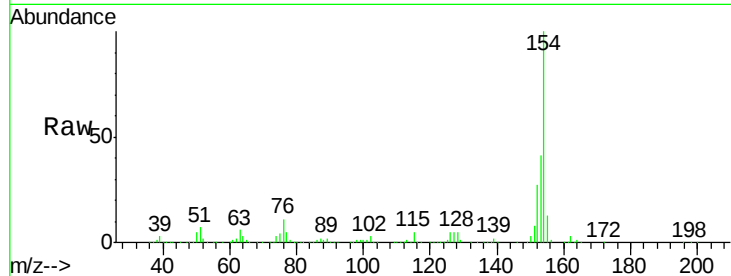
#45
1,1'-Biphenyl
Concen: 54.99 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

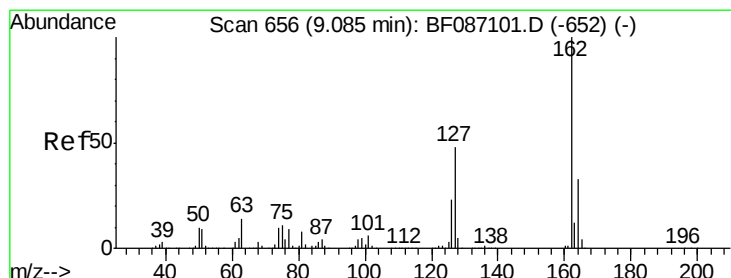
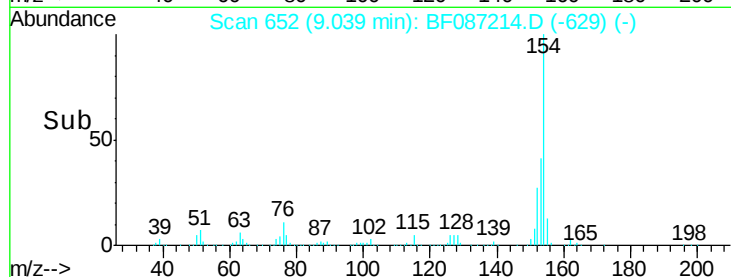
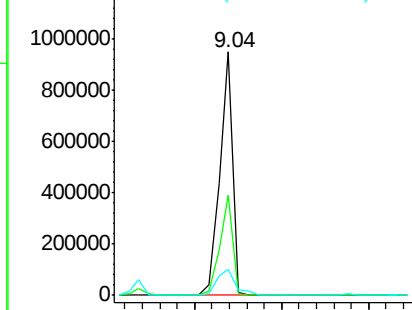
Tgt Ion:	154	Resp:	992248
Ion Ratio	Lower	Upper	
154	100		
153	41.0	20.3	60.3
76	10.5	0.0	30.2

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM

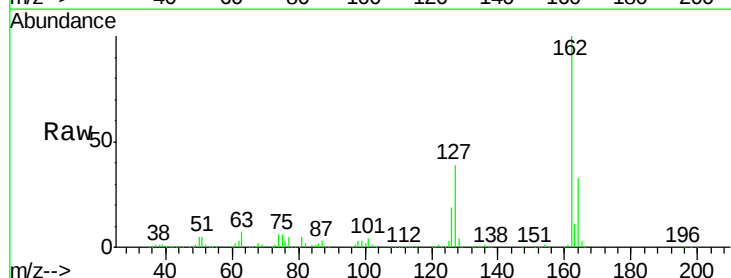


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

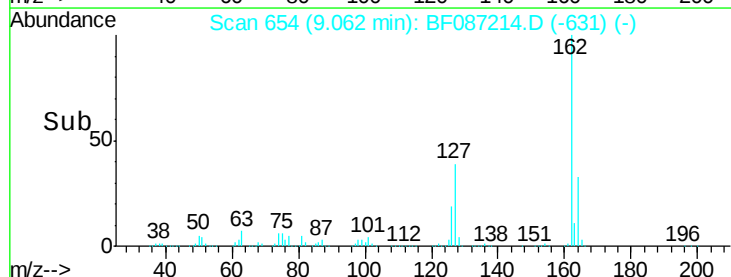
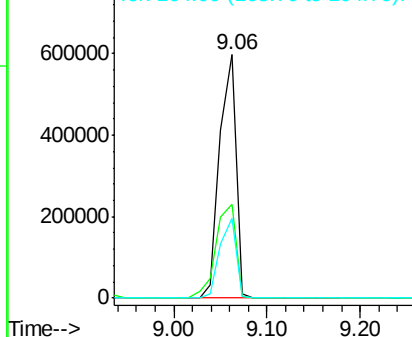


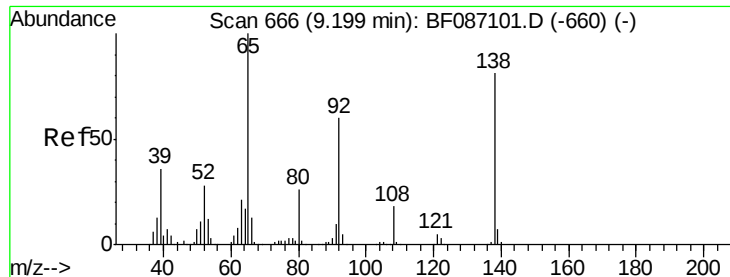
#46
2-Chloronaphthalene
Concen: 52.42 ng
RT: 9.06 min Scan# 654
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion:	162	Resp:	726209
Ion Ratio	Lower	Upper	
162	100		
127	38.7	31.8	47.6
164	32.6	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





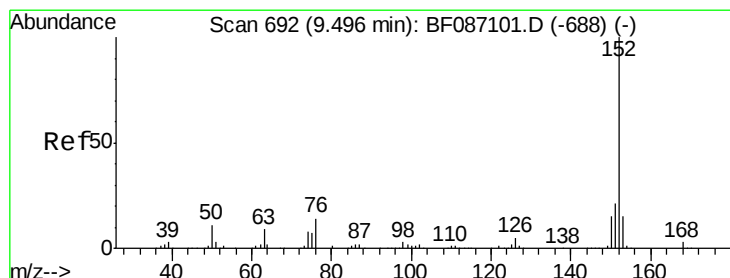
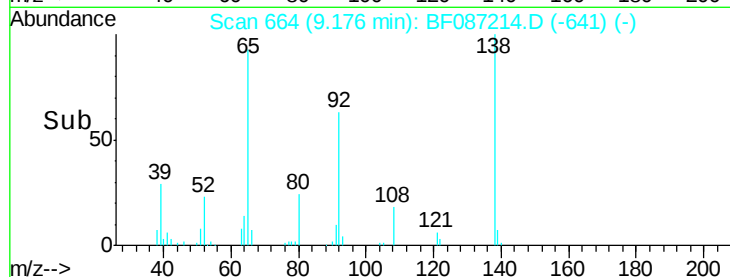
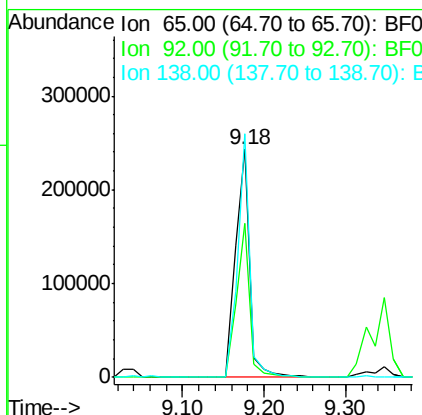
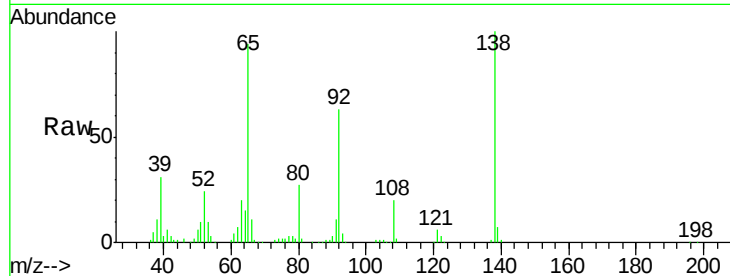
#47
2-Nitroaniline
Concen: 55.41 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	294153		
92	67.4	57.4	86.2	
138	106.9	90.1	135.1	

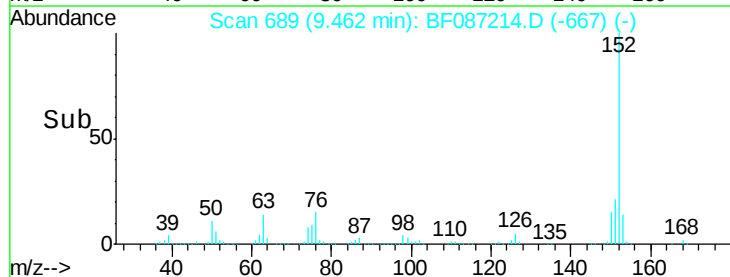
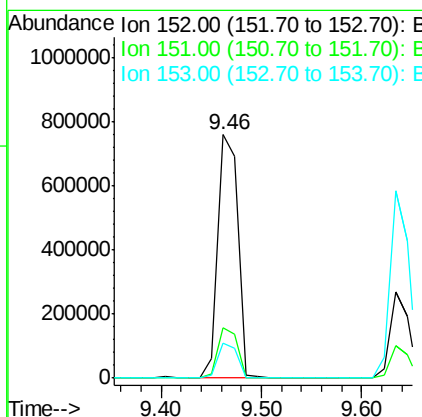
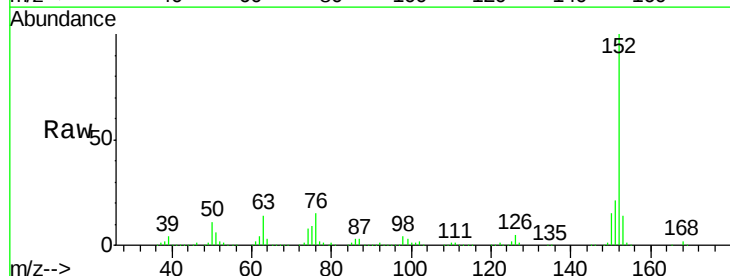
Manual Integrations
APPROVED

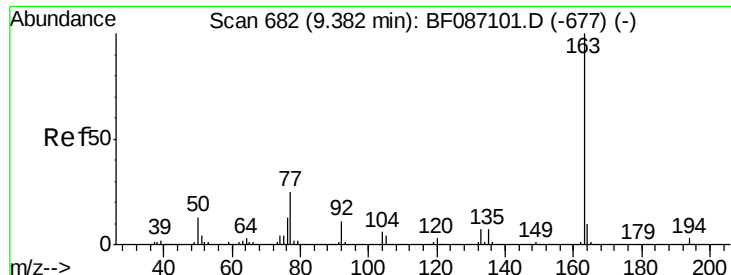
sohil
5/20/2016 7:14:25 PM



#48
Acenaphthylene
Concen: 49.81 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1053606		
151	20.5	16.8	25.2	
153	14.5	10.9	16.3	





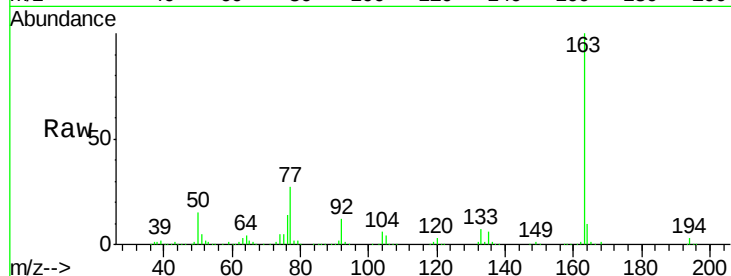
#49
Dimethylphthalate
Concen: 51.74 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

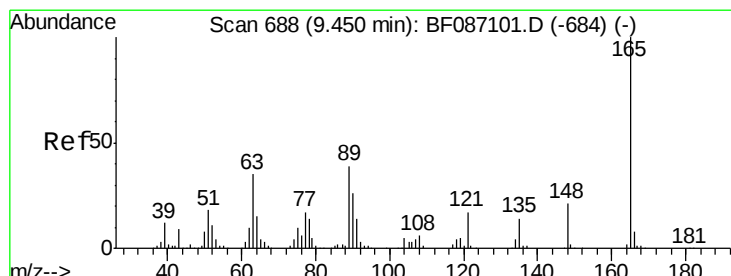
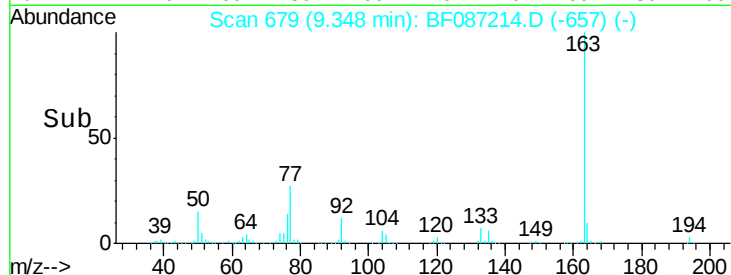
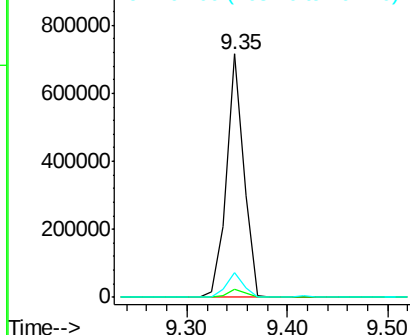
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	2.6	4.0
164	10.3	8.2	12.4

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM

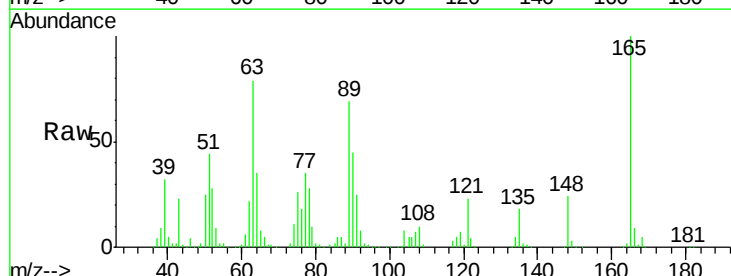


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

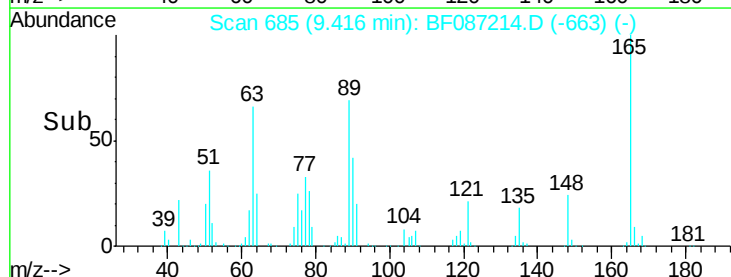
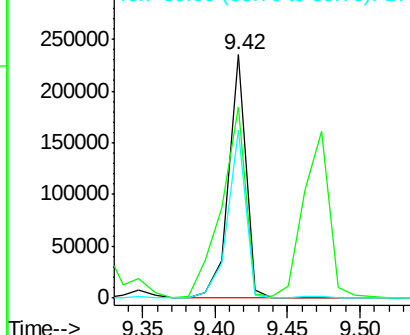


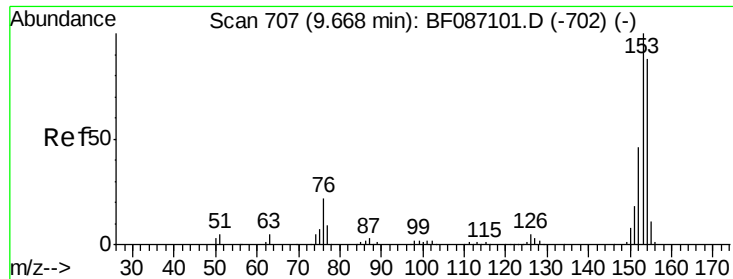
#50
2,6-Dinitrotoluene
Concen: 54.36 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	78.5	51.8	77.8#
89	69.1	50.7	76.1



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 49.59 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

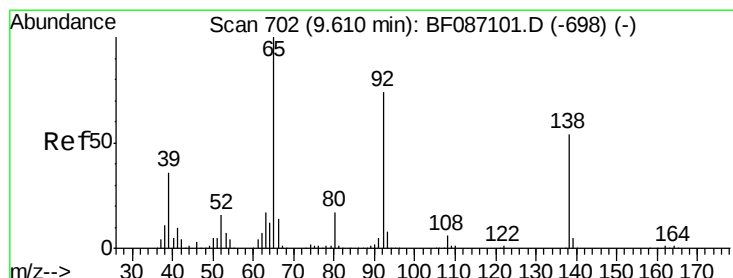
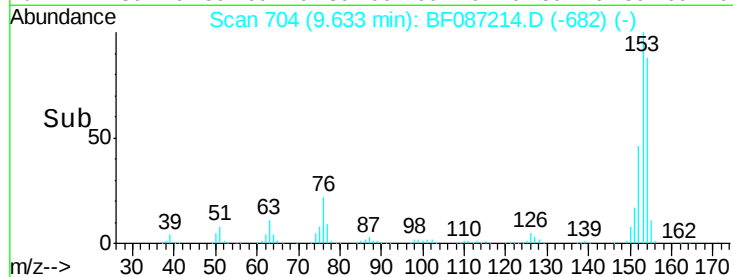
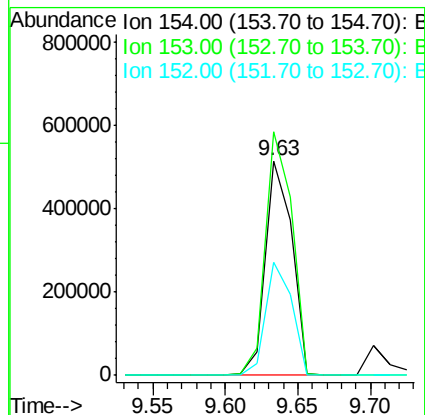
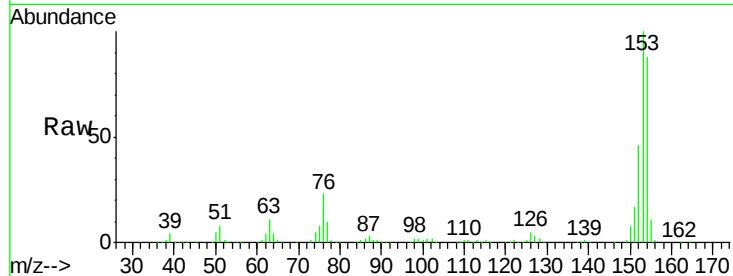
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	154	Resp:	655329
Ion Ratio	Lower	Upper	
154	100		
153	113.4	89.8	134.6
152	52.3	43.4	65.0

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#52

3-Nitroaniline

Concen: 24.35 ng

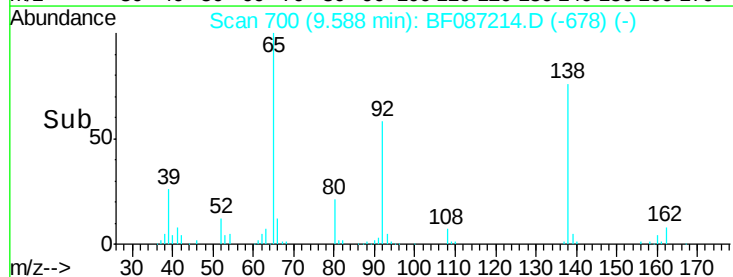
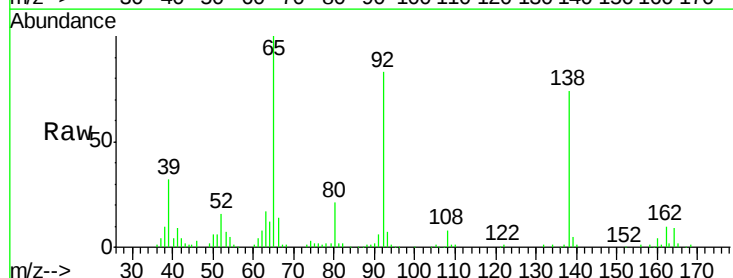
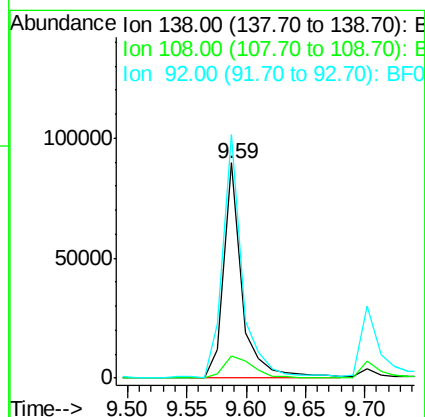
RT: 9.59 min Scan# 700

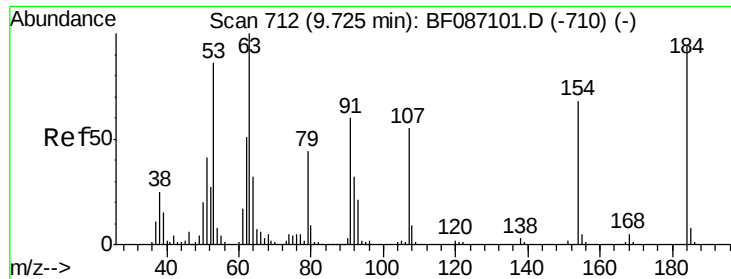
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	138	Resp:	95004
Ion Ratio	Lower	Upper	
138	100		
108	10.3	7.8	11.6
92	113.2	87.8	131.8





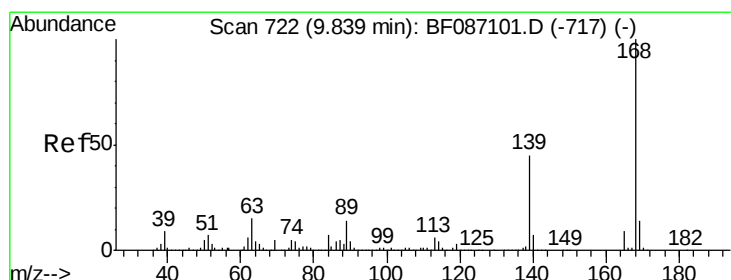
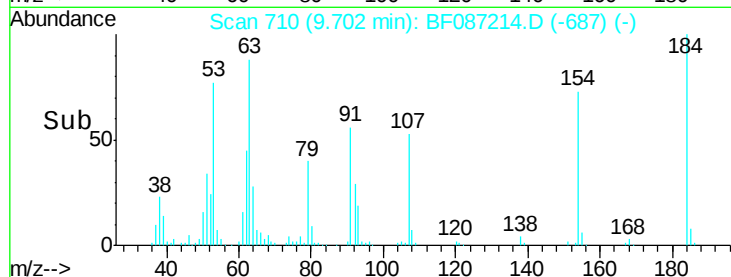
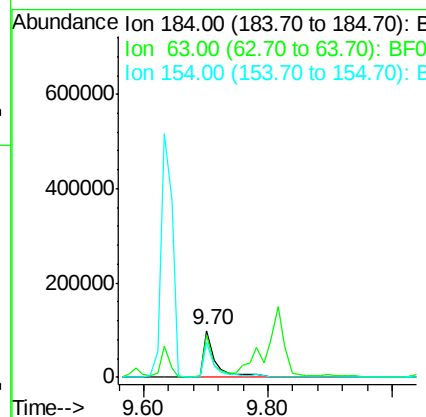
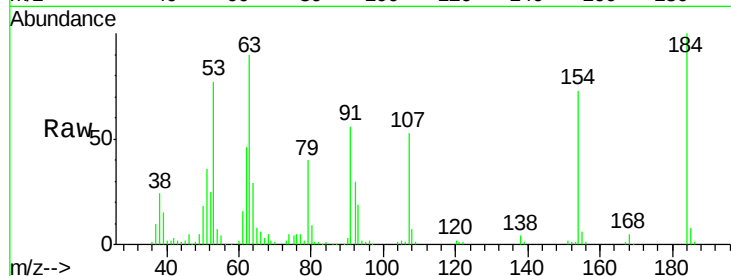
#53
 2,4-Dinitrophenol
 Concen: 68.58 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.03 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	140161		
63	89.7	55.8	83.8#	
154	73.5	62.4	93.6	

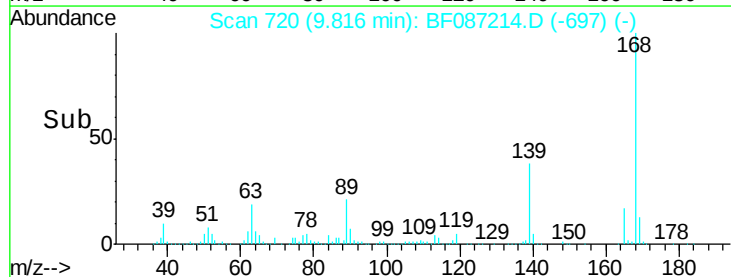
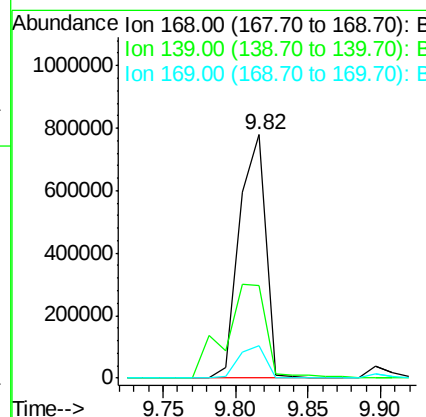
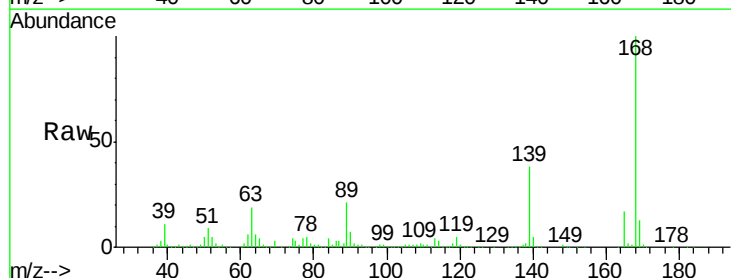
Manual Integrations
 APPROVED

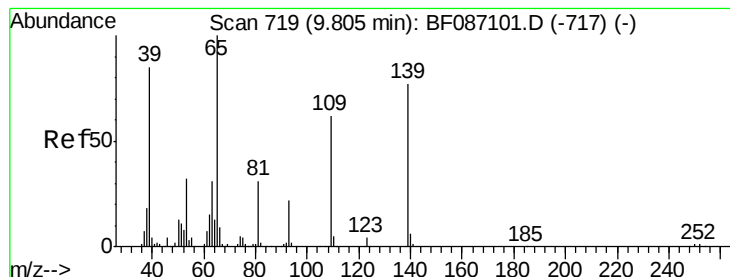
sohil
 5/20/2016 7:14:25 PM



#54
 Dibenzofuran
 Concen: 57.29 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	979116		
139	38.0	31.4	47.0	
169	13.2	10.7	16.1	





#55

4-Nitrophenol

Concen: 62.34 ng m

RT: 9.78 min Scan# 717

Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

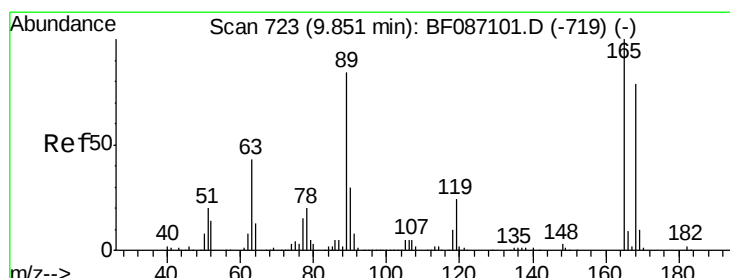
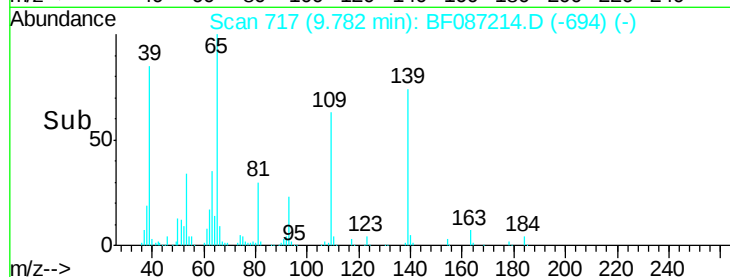
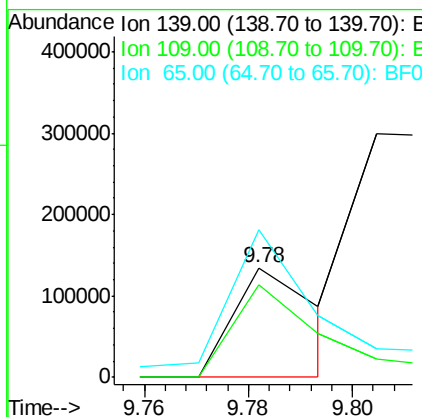
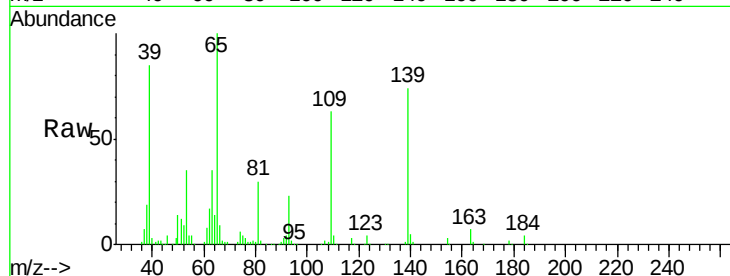
FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
APPROVED

sohil

5/20/2016 7:14:25 PM

Tgt Ion:	139	Resp:	152176
Ion Ratio	Lower	Upper	
139	100		
109	84.9	36.9	76.9#
65	134.5	64.0	104.0#



#56

2,4-Dinitrotoluene

Concen: 51.85 ng

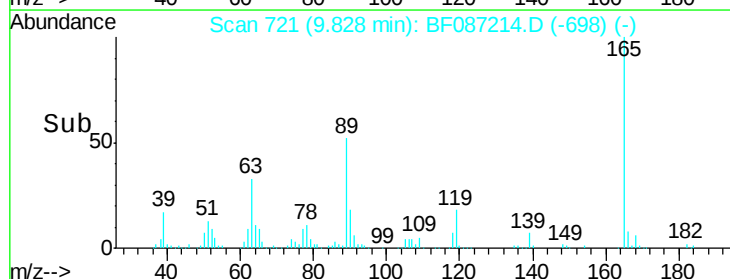
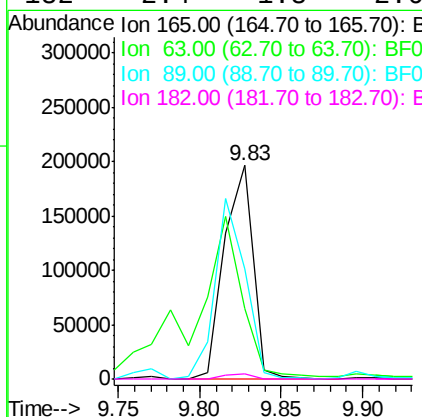
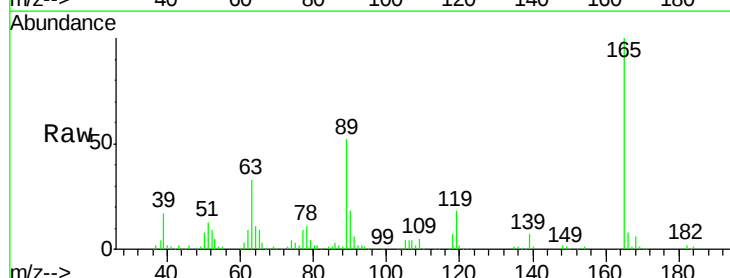
RT: 9.83 min Scan# 721

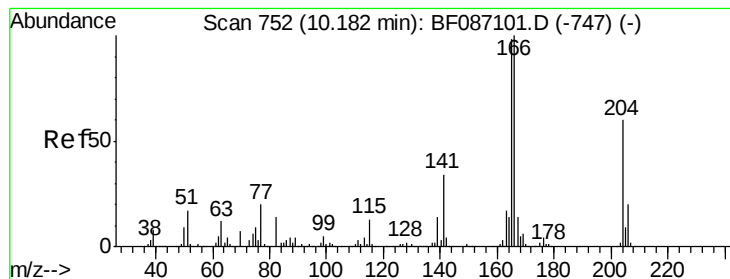
Delta R.T. -0.03 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	165	Resp:	239382
Ion Ratio	Lower	Upper	
165	100		
63	33.1	44.3	66.5#
89	51.8	70.0	105.0#
182	2.4	1.8	2.6





#57

Fluorene

Concen: 50.31 ng

RT: 10.15 min Scan# 749

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

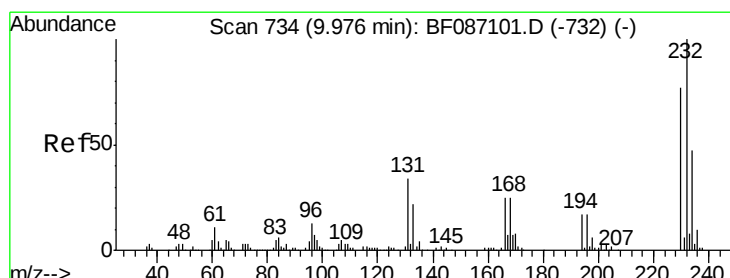
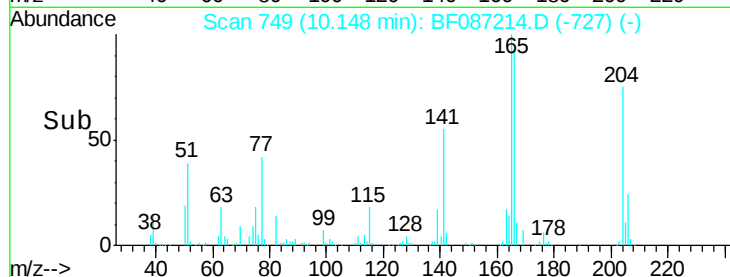
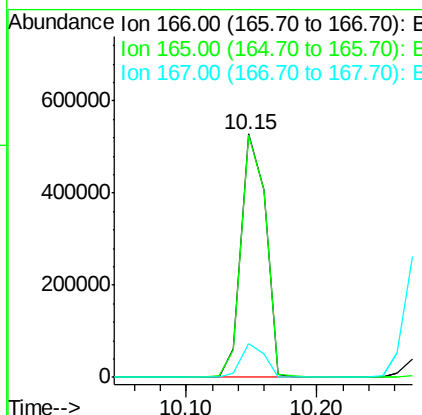
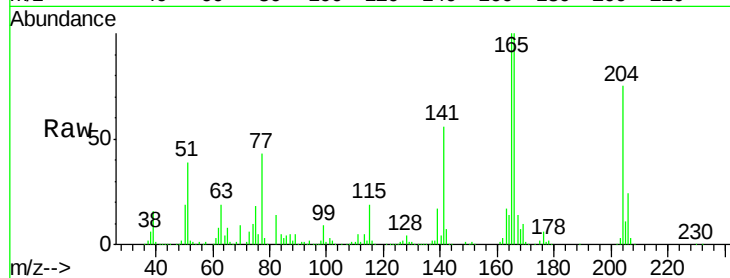
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	166	Resp:	690861
Ion Ratio	Lower	Upper	
166	100		
165	99.5	79.0	118.6
167	13.9	10.6	15.8

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.39 ng

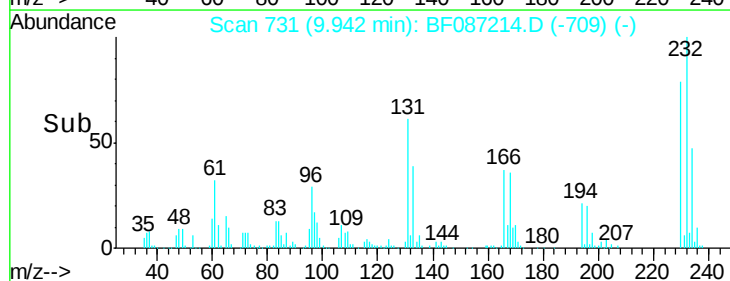
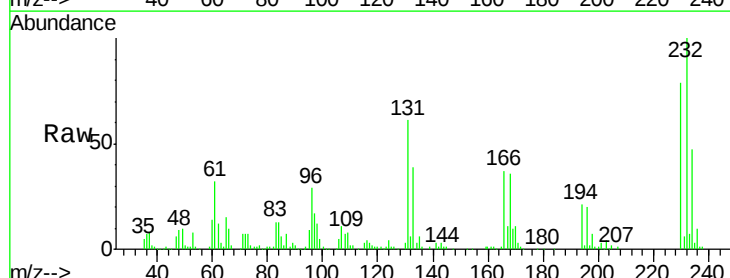
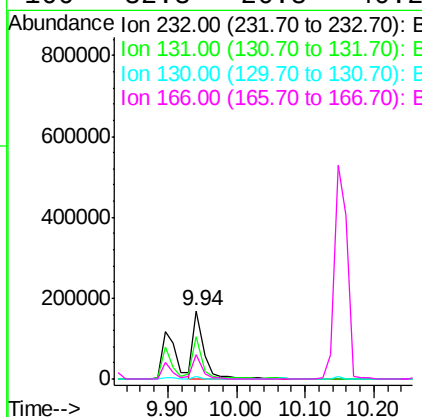
RT: 9.94 min Scan# 731

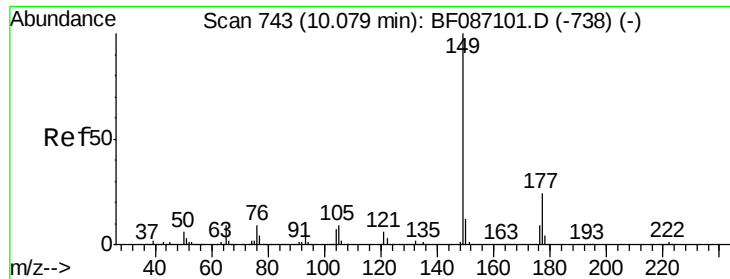
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	232	Resp:	181420
Ion Ratio	Lower	Upper	
232	100		
131	55.5	41.9	62.9
130	2.9	2.2	3.4
166	32.3	26.8	40.2





#59

Diethylphthalate

Concen: 51.75 ng

RT: 10.04 min Scan# 740

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

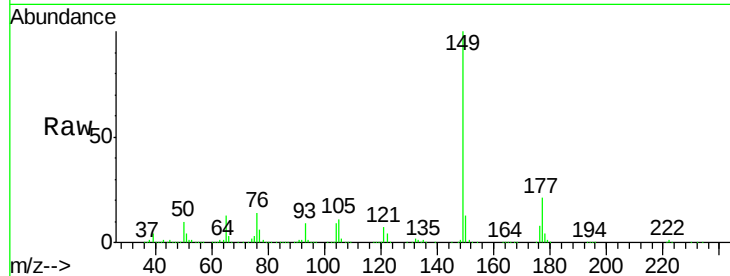
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

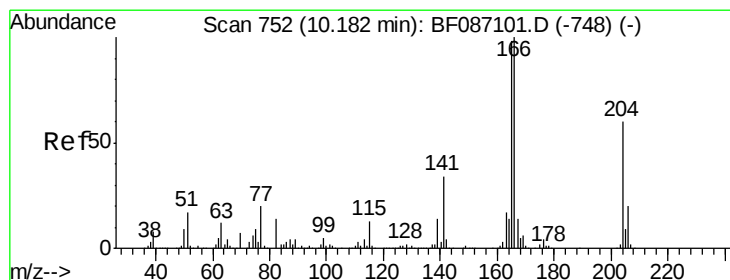
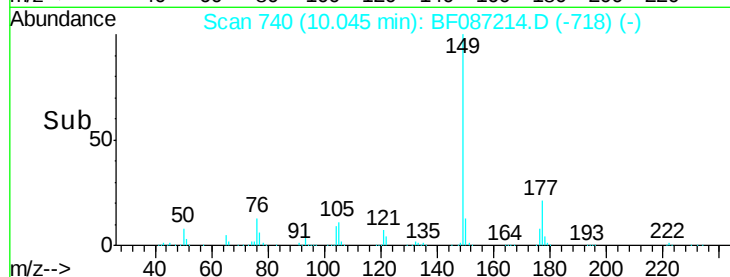
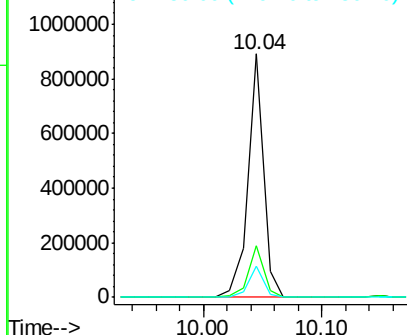
Tgt Ion:	149	Resp:	820230
Ion Ratio	Lower	Upper	
149	100		
177	21.0	16.6	24.8
150	13.0	10.0	15.0

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 51.06 ng

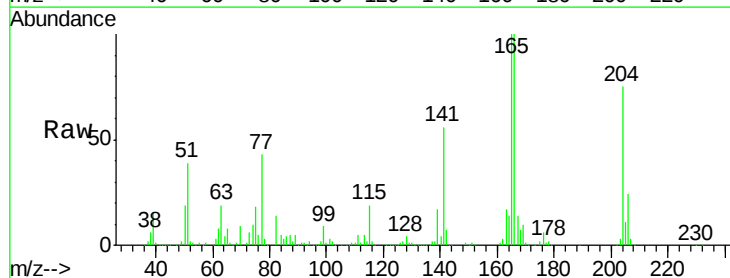
RT: 10.15 min Scan# 749

Delta R.T. -0.05 min

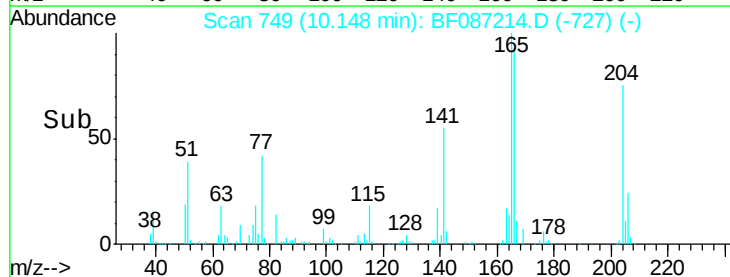
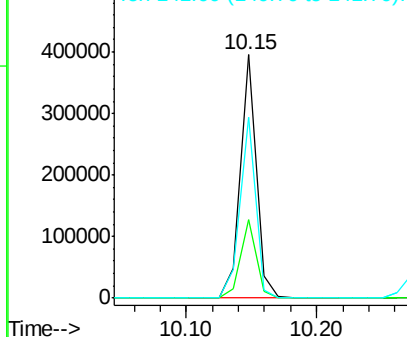
Lab File: BF087214.D

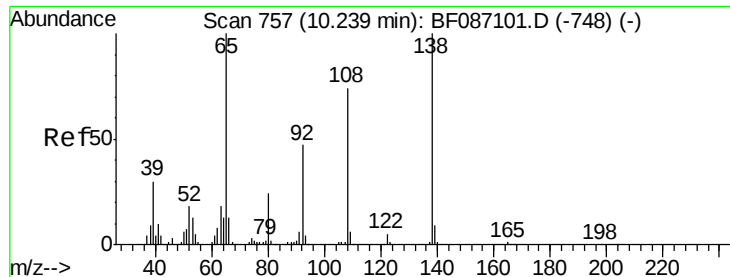
Acq: 20 May 2016 6:09

Tgt Ion:	204	Resp:	332340
Ion Ratio	Lower	Upper	
204	100		
206	32.3	25.4	38.0
141	74.2	61.6	92.4



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 45.41 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

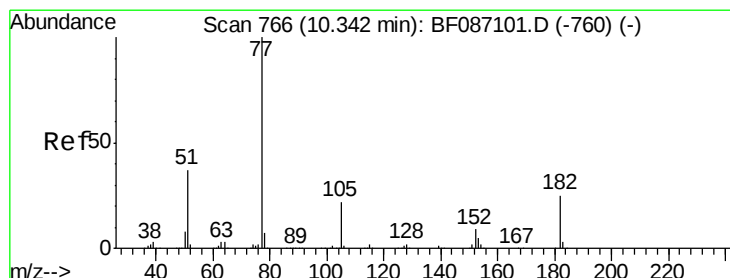
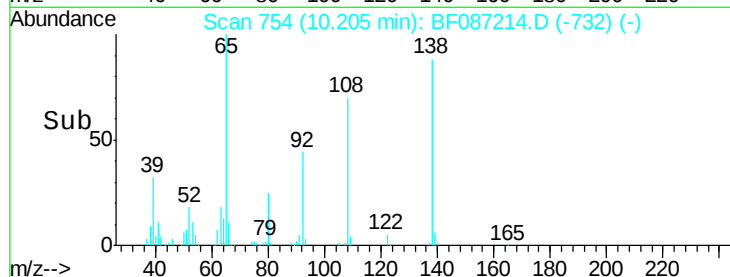
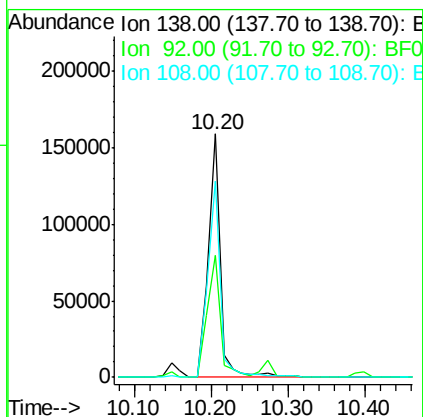
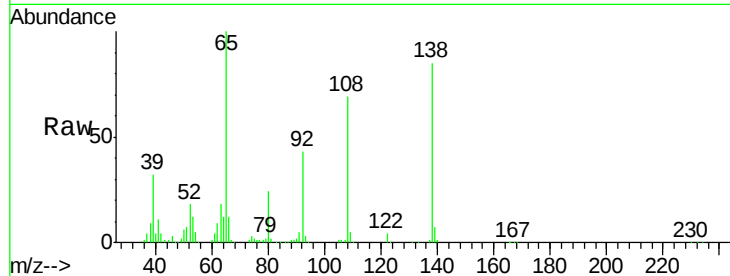
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM

Tgt Ion:	138	Resp:	174961
Ion Ratio	Lower	Upper	
138	100		
92	50.3	24.7	64.7
108	80.7	37.4	77.4#



#62

Azobenzene

Concen: 55.01 ng

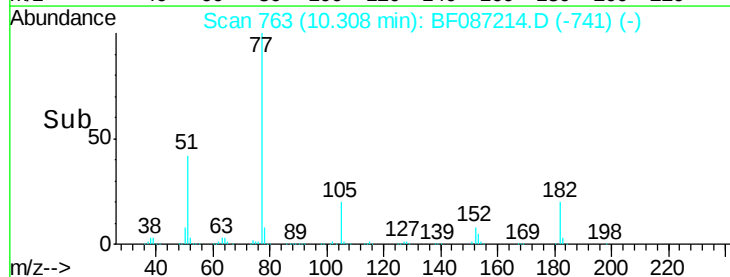
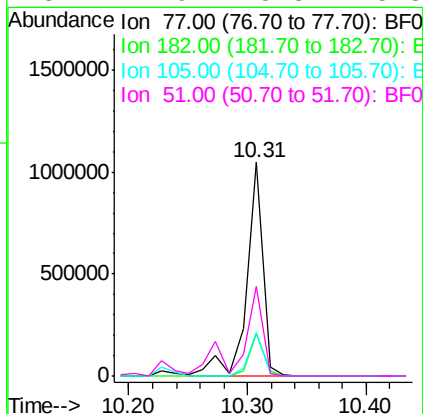
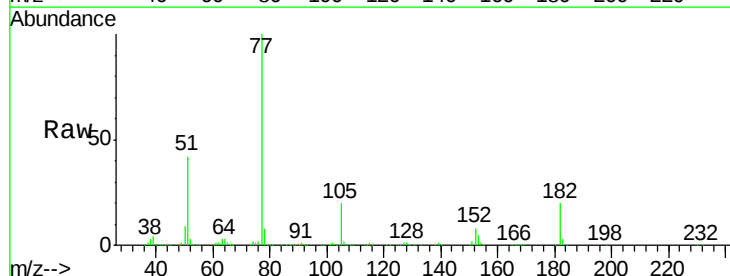
RT: 10.31 min Scan# 763

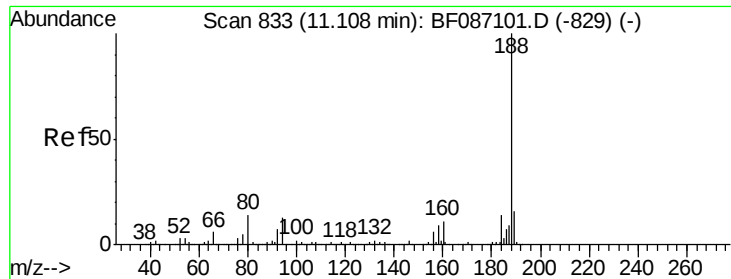
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	77	Resp:	1004701
Ion Ratio	Lower	Upper	
77	100		
182	19.8	0.0	38.8
105	20.4	3.2	43.2
51	41.9	8.8	48.8





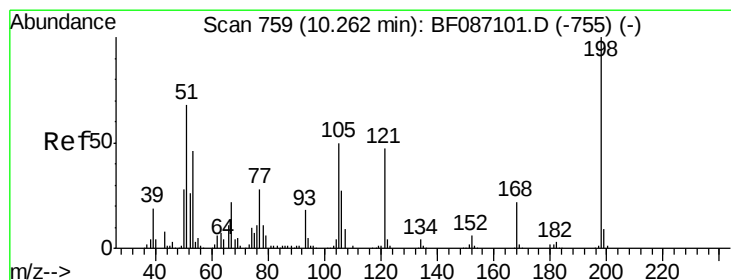
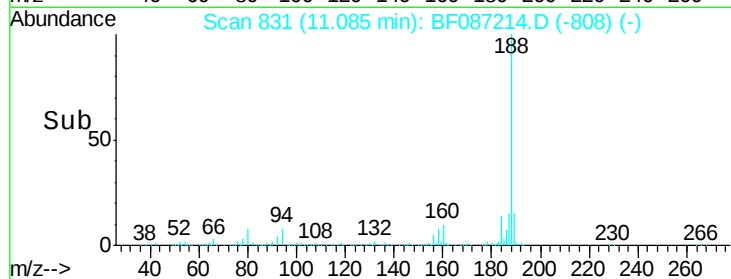
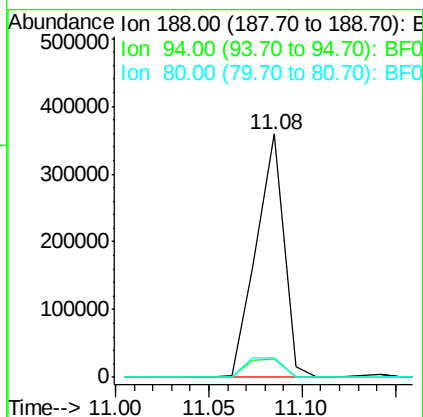
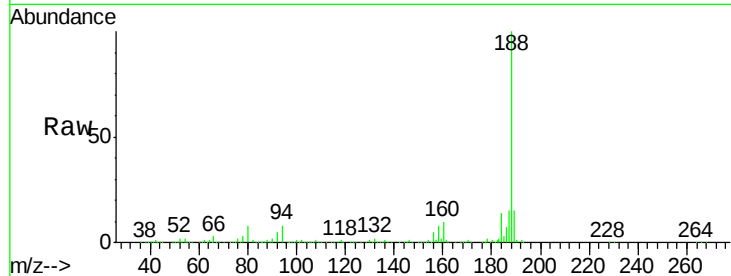
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	371049		
94	7.7	6.8	10.2	
80	8.2	7.1	10.7	

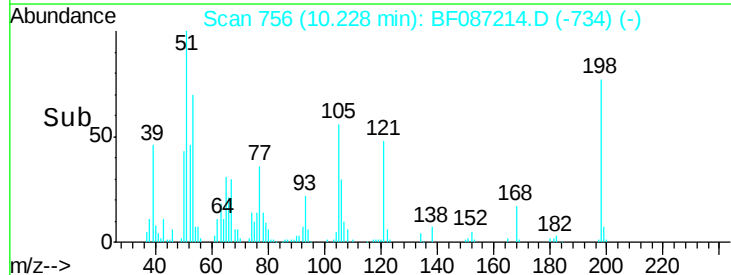
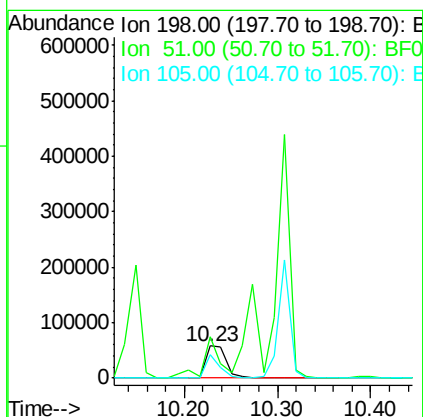
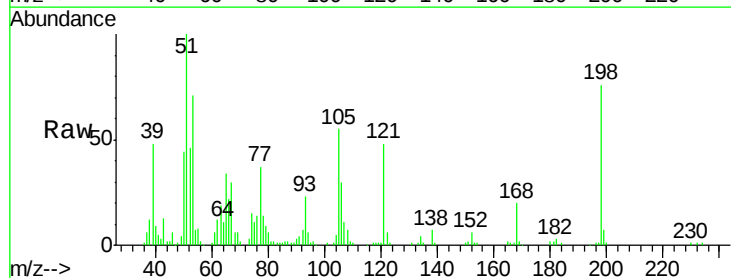
Manual Integrations
APPROVED

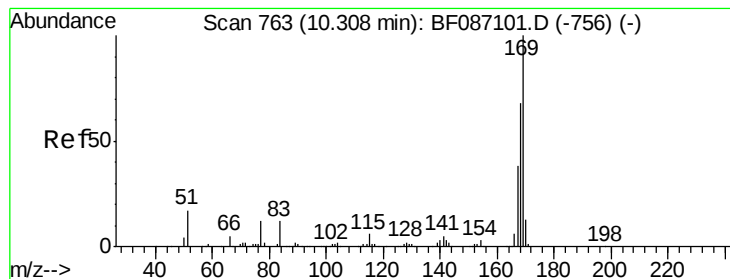
sohil
5/20/2016 7:14:25 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 37.34 ng
RT: 10.23 min Scan# 756
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	91244		
51	131.3	20.5	60.5#	
105	72.7	24.5	64.5#	





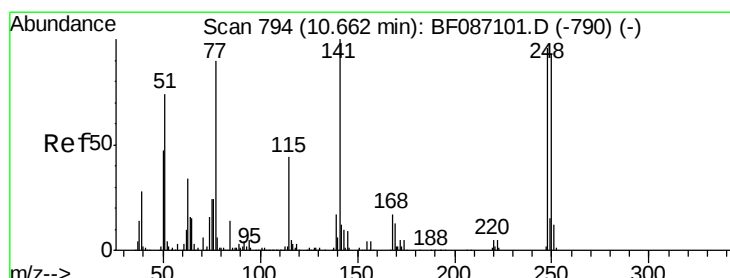
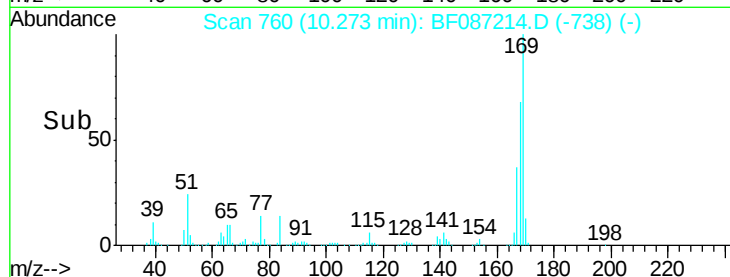
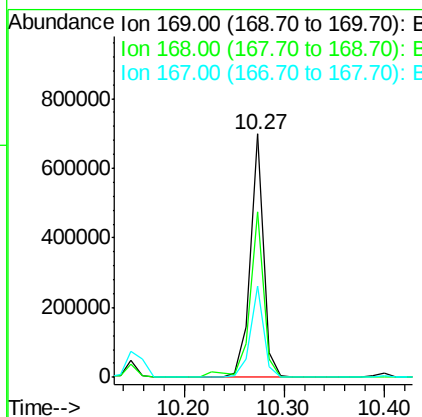
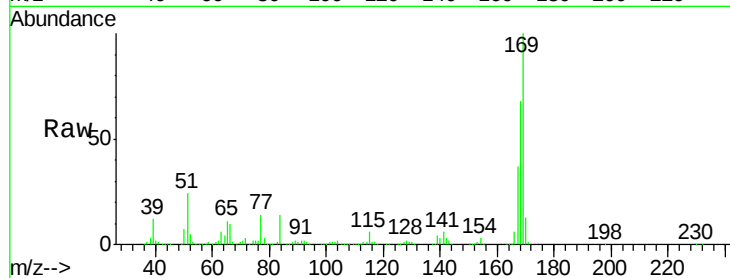
#65
n-Nitrosodiphenylamine
Concen: 54.94 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	641501		
168	68.1	53.8	80.6	
167	37.5	29.5	44.3	

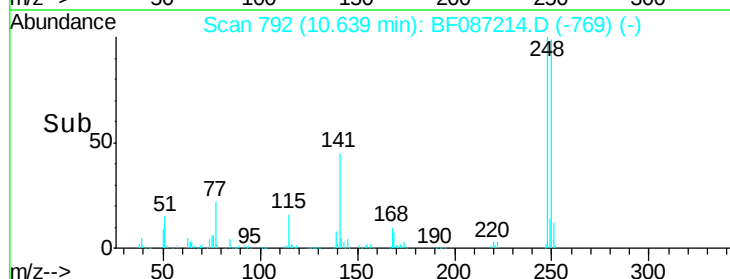
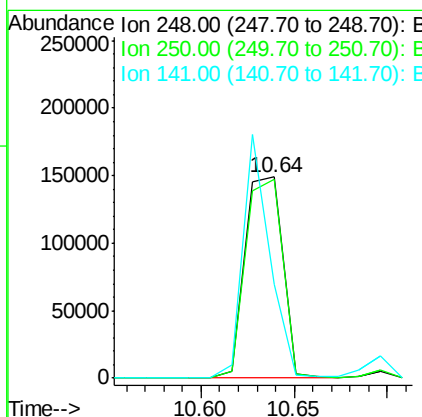
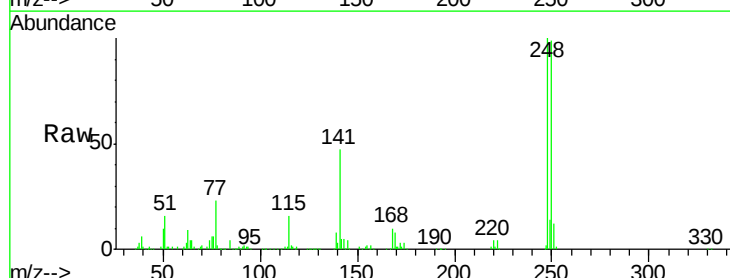
Manual Integrations
APPROVED

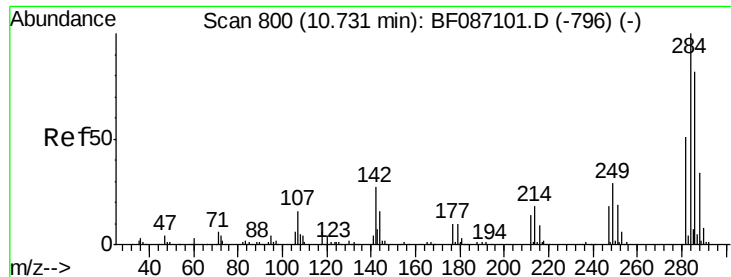
sohil
5/20/2016 7:14:25 PM



#66
4-Bromophenyl-phenylether
Concen: 54.78 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.03 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	209008		
250	99.3	78.6	117.8	
141	47.0	76.0	114.0#	





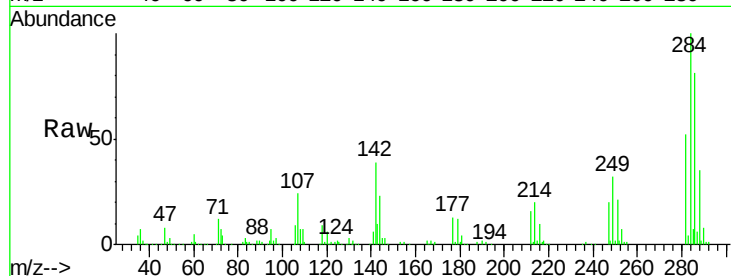
#67
Hexachlorobenzene
Concen: 50.57 ng
RT: 10.70 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

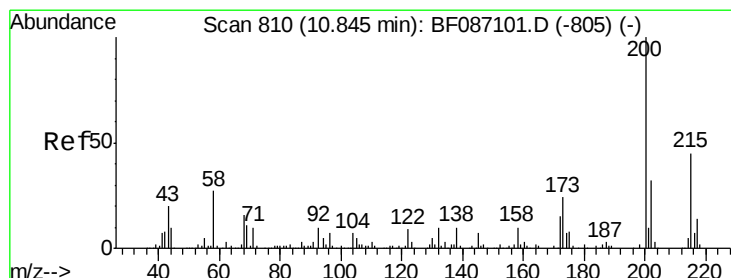
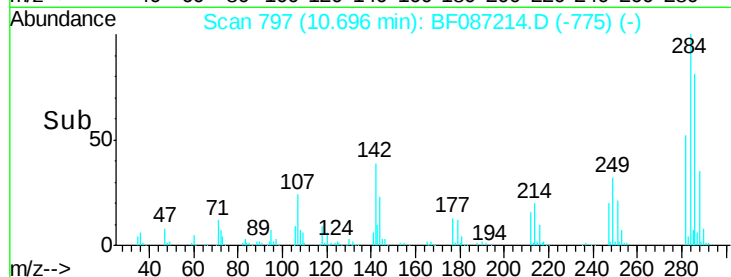
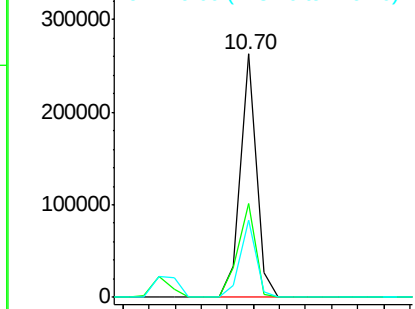
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	223728		
142	38.5	16.7	25.1#	
249	31.7	21.3	31.9	

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM

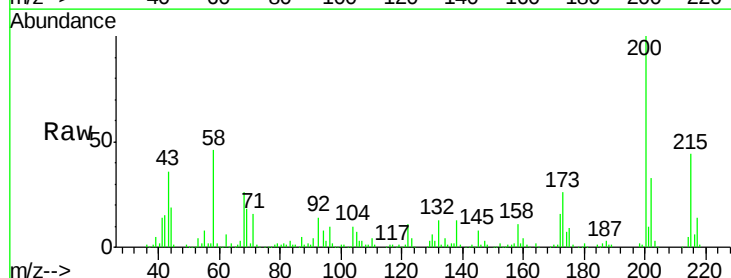


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

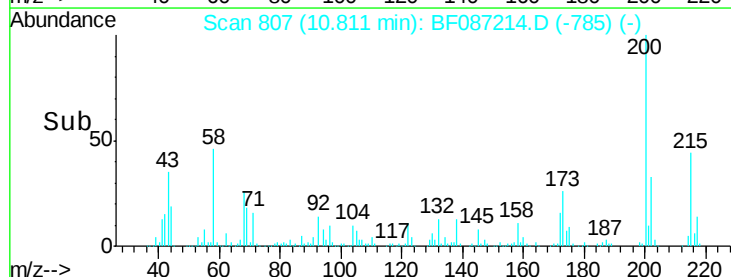
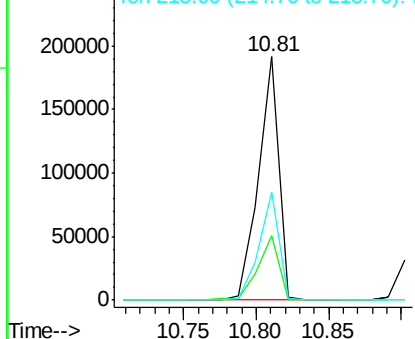


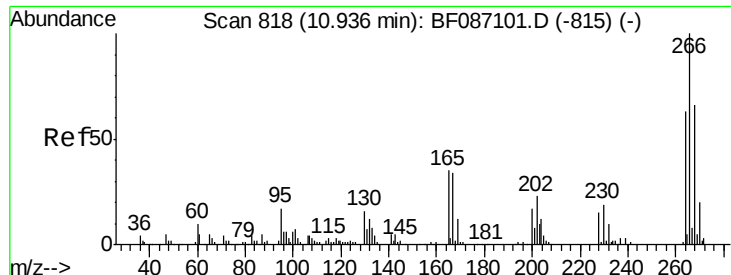
#68
Atrazine
Concen: 49.11 ng
RT: 10.81 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	187069		
173	26.3	8.5	48.5	
215	44.2	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





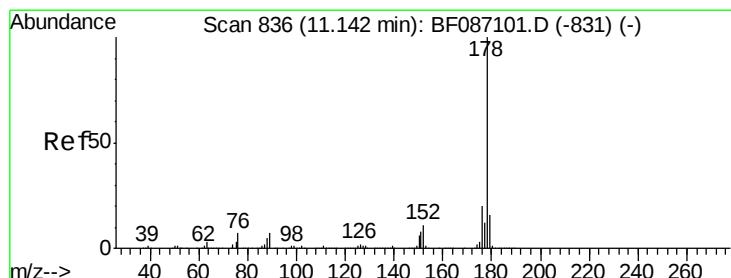
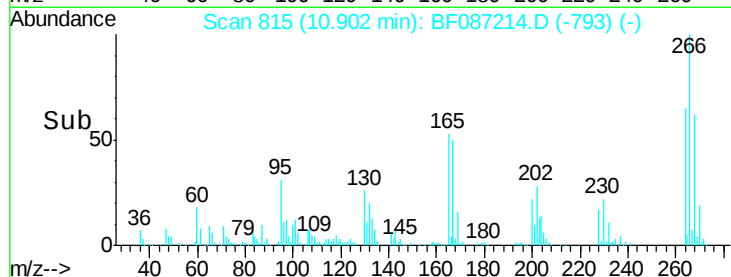
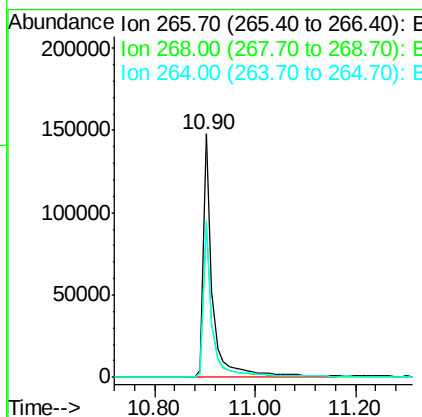
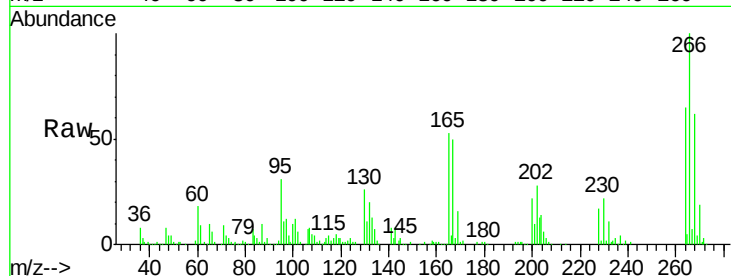
#69
 Pentachlorophenol
 Concen: 114.86 ng
 RT: 10.90 min Scan# 815
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	190889		
268	62.3	51.5	77.3	
264	64.6	52.9	79.3	

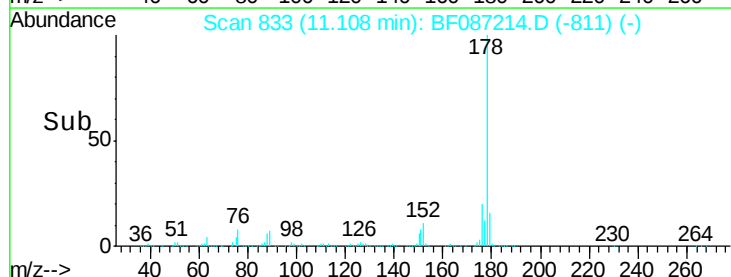
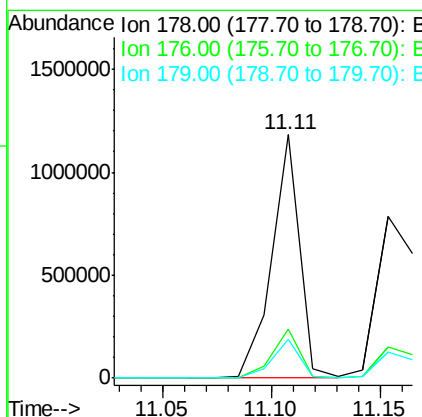
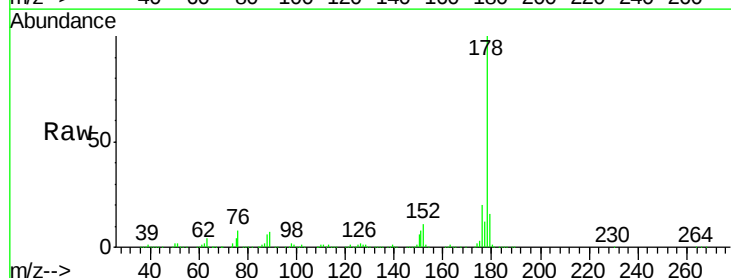
Manual Integrations
 APPROVED

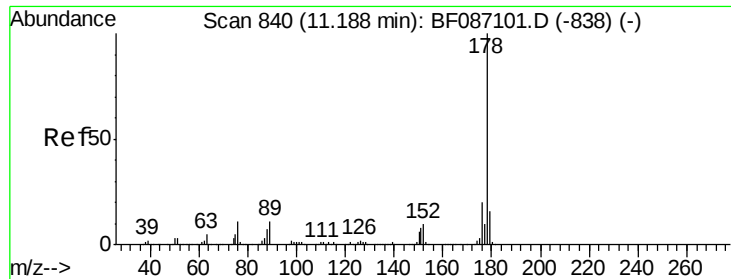
sohil
 5/20/2016 7:14:25 PM



#70
 Phenanthrene
 Concen: 52.90 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1064599		
176	20.2	16.0	24.0	
179	15.9	12.6	18.8	





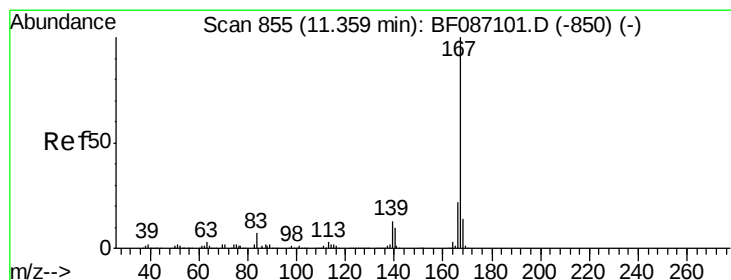
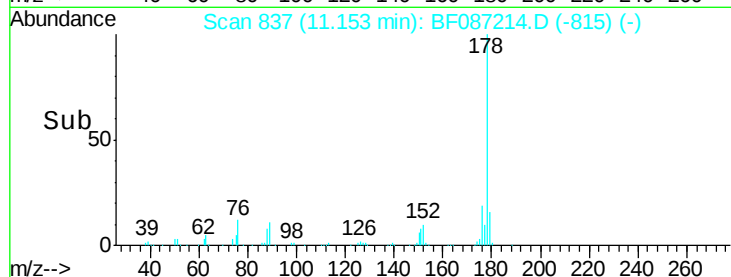
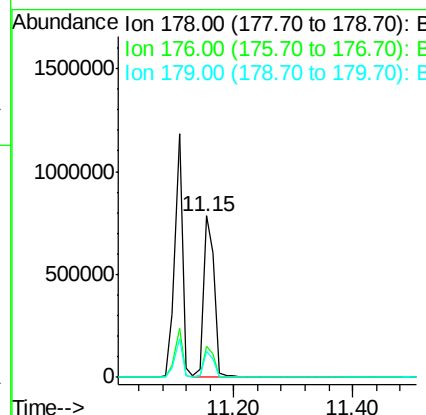
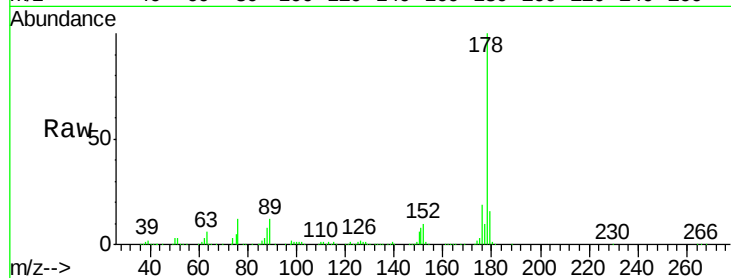
#71
 Anthracene
 Concen: 49.70 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:178 Resp: 1011683
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 15.7 12.7 19.1

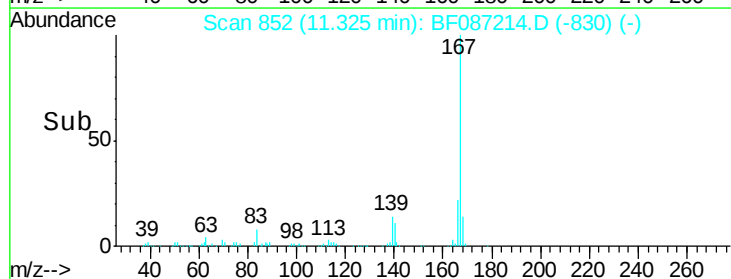
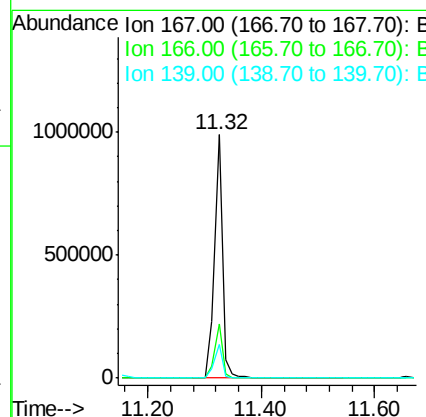
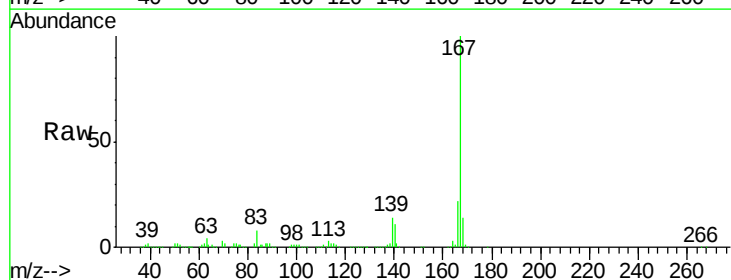
Manual Integrations
 APPROVED

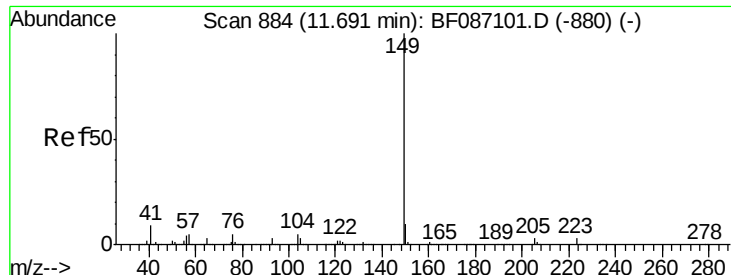
sohil
 5/20/2016 7:14:25 PM



#72
 Carbazole
 Concen: 49.53 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion:167 Resp: 921011
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 14.0 10.8 16.2





#73

Di-n-butylphthalate

Concen: 56.95 ng

RT: 11.66 min Scan# 881

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

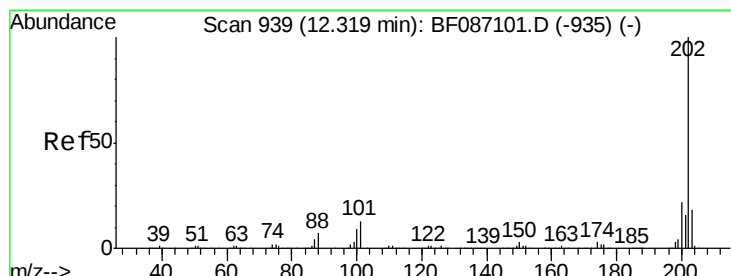
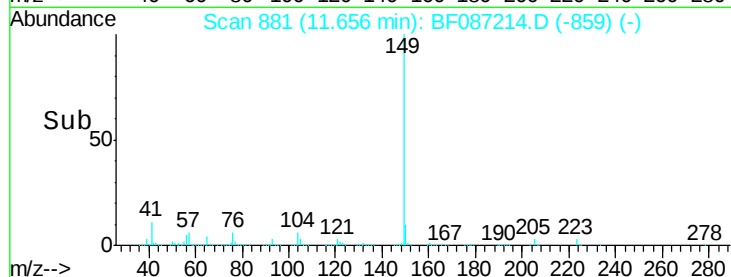
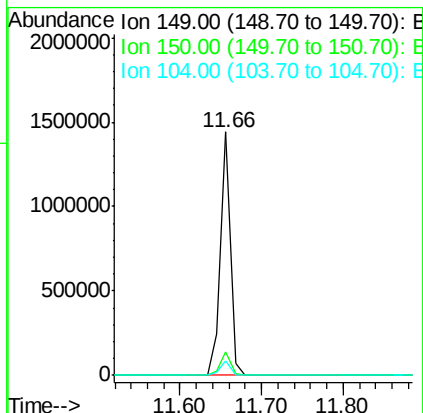
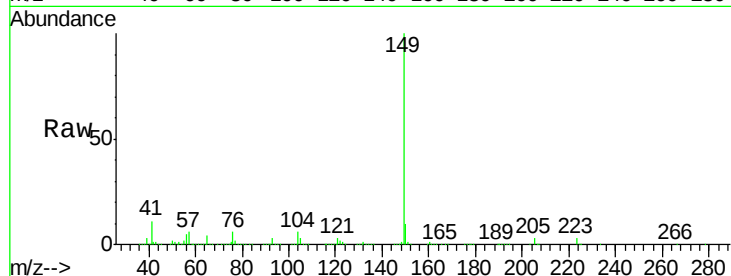
FB-BWR-BB-R10-C51(0-15FT)MSD

Manual Integrations
APPROVED

sohil

5/20/2016 7:14:25 PM

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.6	11.4
104	5.8	3.8	5.6



#74

Fluoranthene

Concen: 43.94 ng

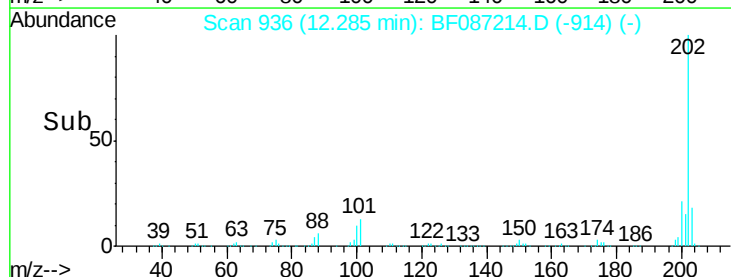
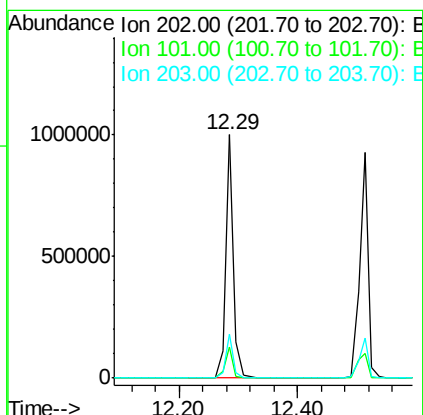
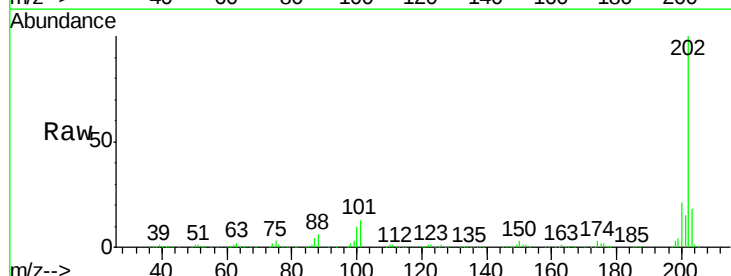
RT: 12.29 min Scan# 936

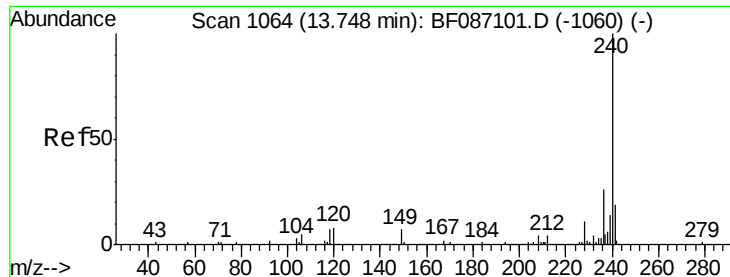
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	35.4
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

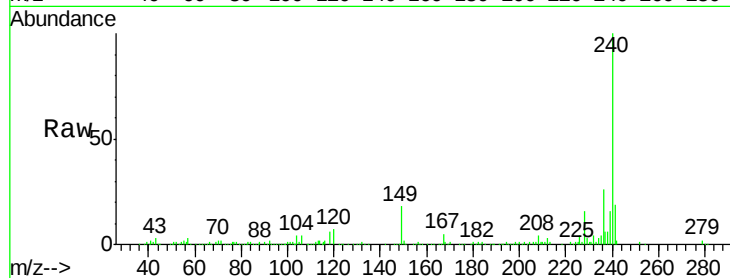
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

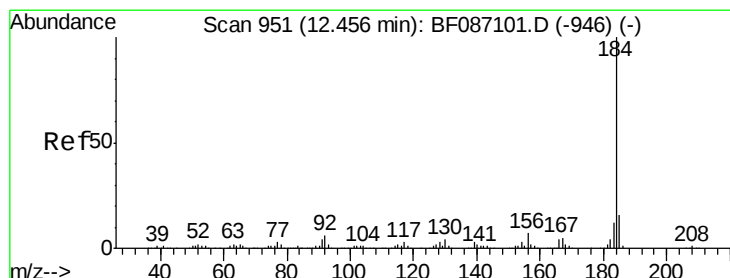
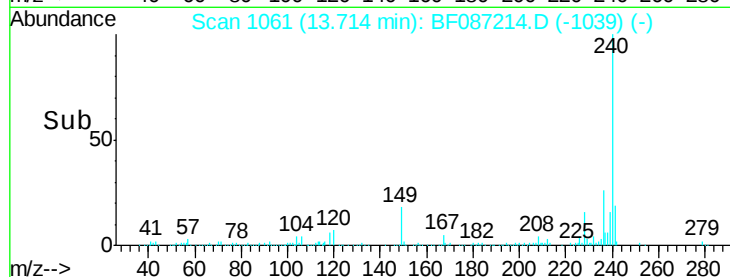
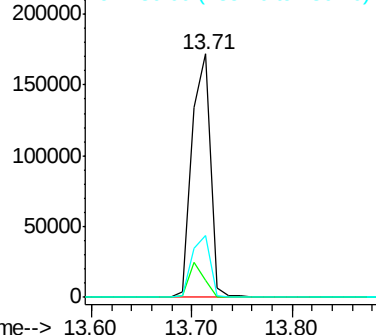
Tgt Ion:	240	Resp:	219664
Ion Ratio		Lower	Upper
240	100		
120	7.0	11.2	16.8#
236	25.6	21.2	31.8

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 7.10 ng

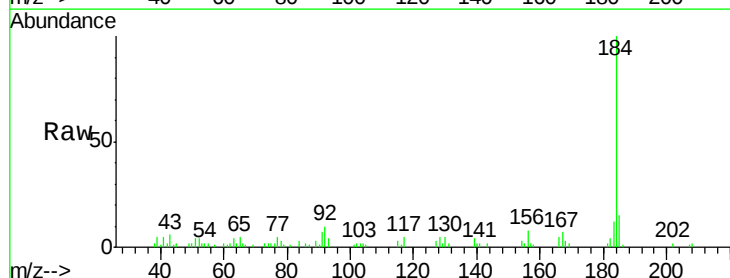
RT: 12.42 min Scan# 948

Delta R.T. -0.04 min

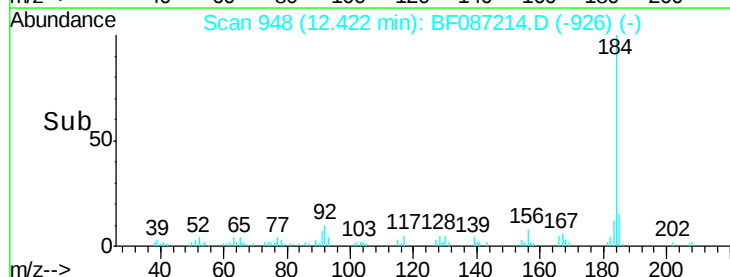
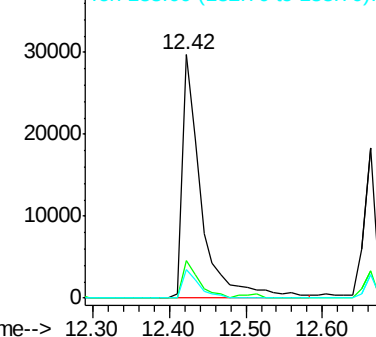
Lab File: BF087214.D

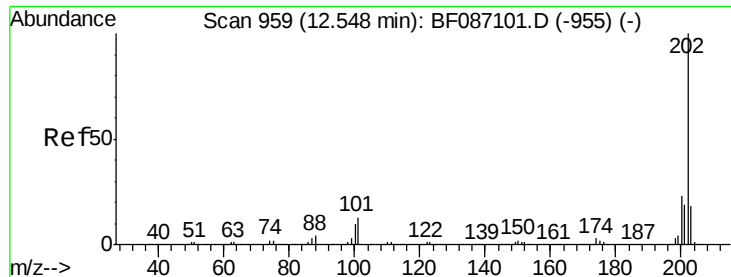
Acq: 20 May 2016 6:09

Tgt Ion:	184	Resp:	50409
Ion Ratio		Lower	Upper
184	100		
185	15.3	13.6	20.4
183	11.8	9.8	14.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





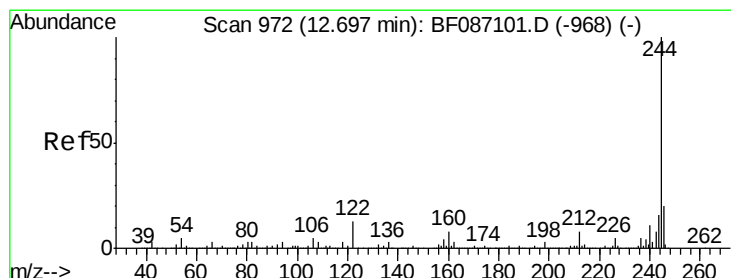
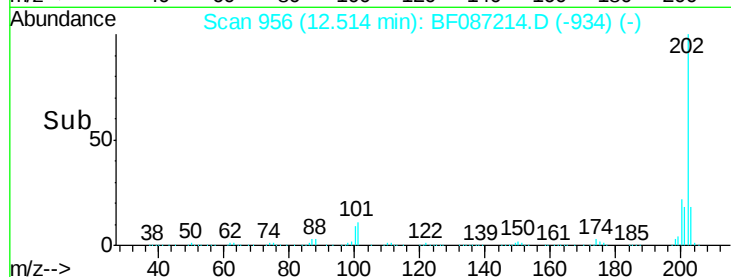
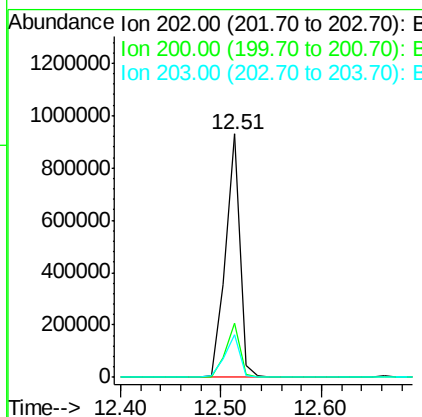
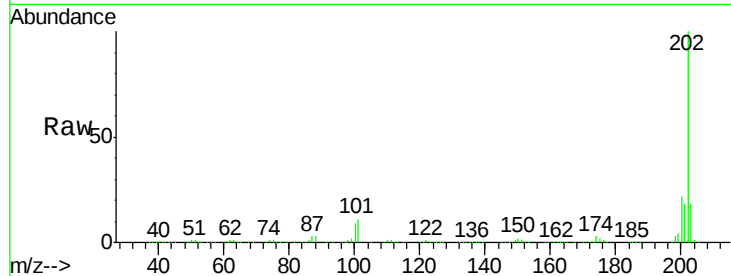
#77
 Pyrene
 Concen: 58.27 ng
 RT: 12.51 min Scan# 956
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.0	17.7	26.5
203	17.6	14.2	21.4

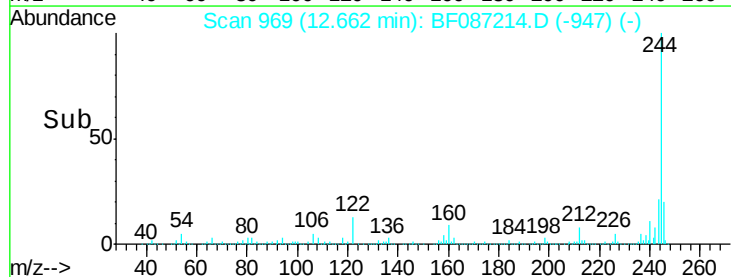
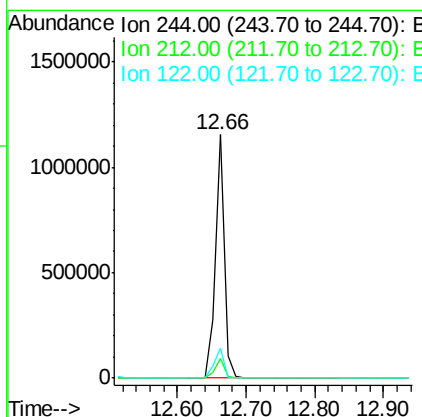
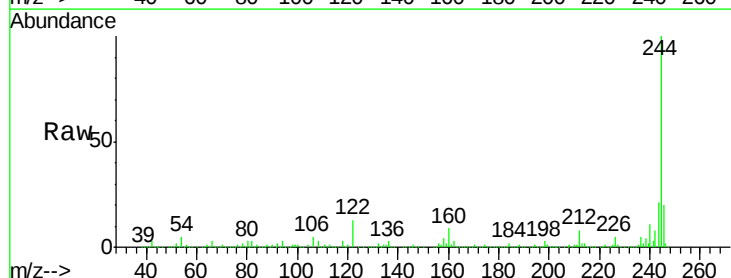
Manual Integrations
 APPROVED

sohil
 5/20/2016 7:14:25 PM



#78
 Terphenyl-d14
 Concen: 110.37 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.0	6.2	9.2
122	12.5	12.0	18.0





#79

Butylbenzylphthalate

Concen: 66.65 ng

RT: 13.14 min Scan# 1011

Delta R.T. -0.05 min

Lab File: BF087214.D

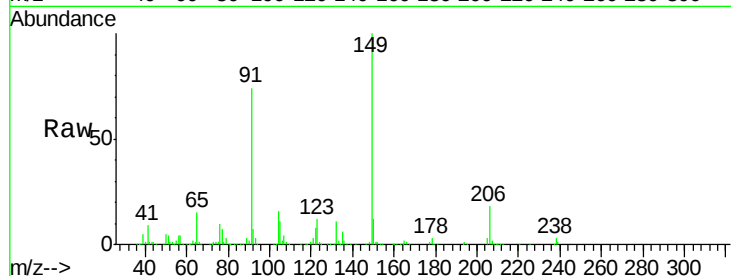
Acq: 20 May 2016 6:09

Instrument :

BNA_F

ClientSampleId :

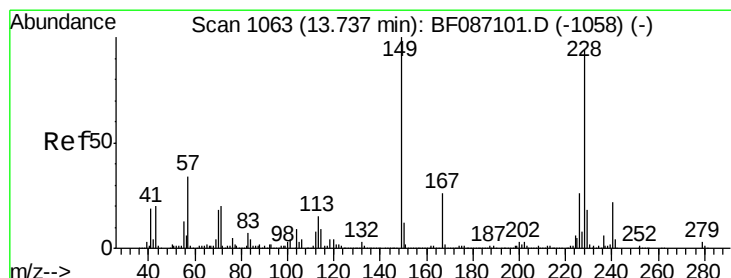
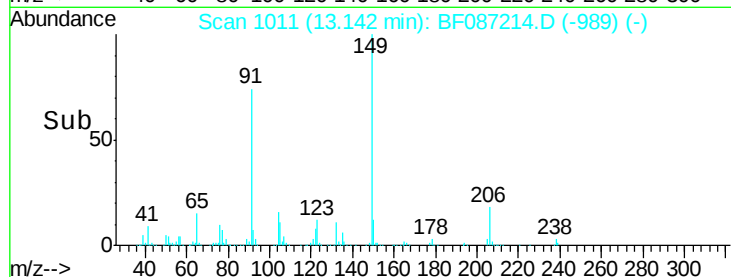
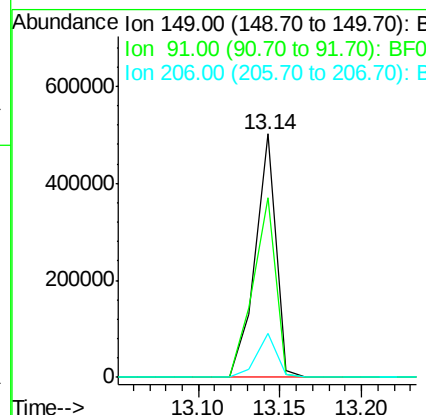
FB-BWR-BB-R10-C51(0-15FT)MSD



Tgt Ion:	149	Resp:	446494
Ion Ratio	Lower	Upper	
149	100		
91	74.0	48.0	72.0#
206	18.3	15.8	23.6

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#80

Benzo(a)anthracene

Concen: 55.05 ng

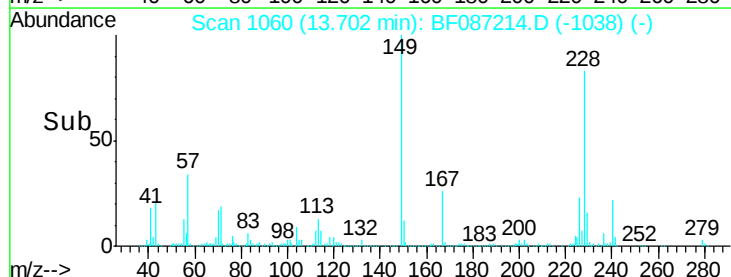
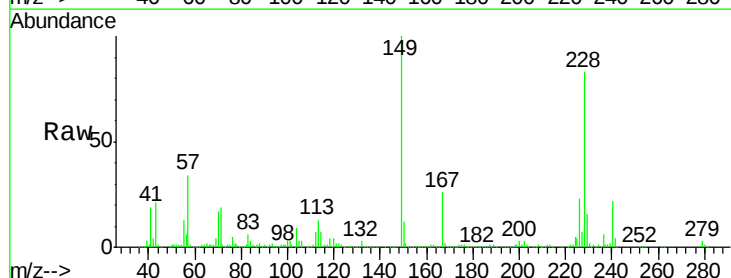
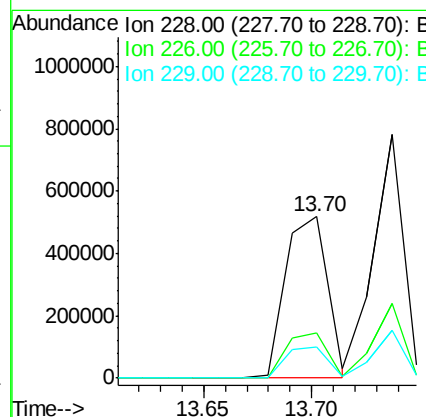
RT: 13.70 min Scan# 1060

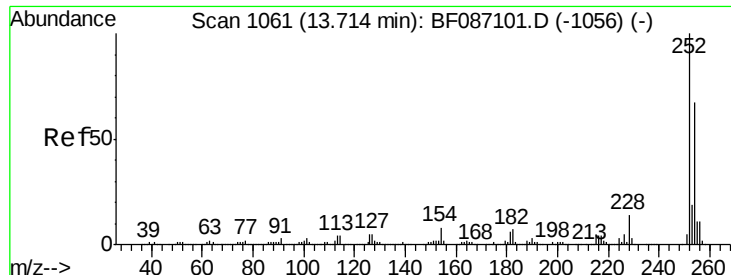
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	228	Resp:	699213
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.5	33.7
229	19.5	16.6	25.0





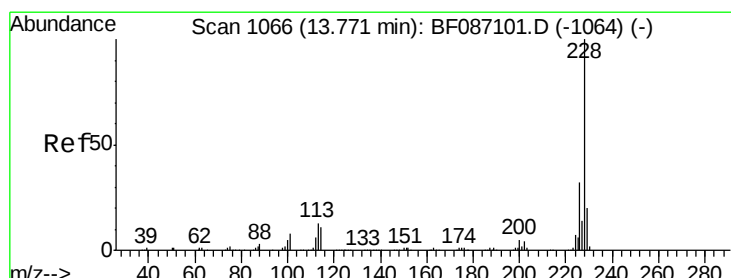
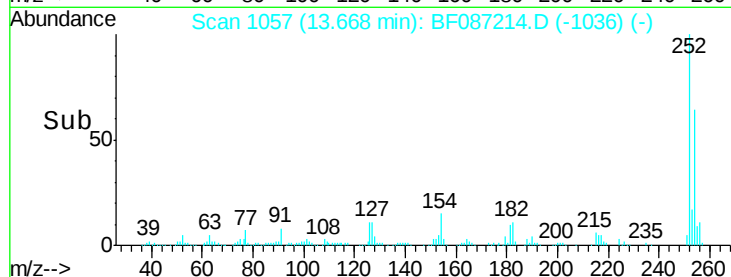
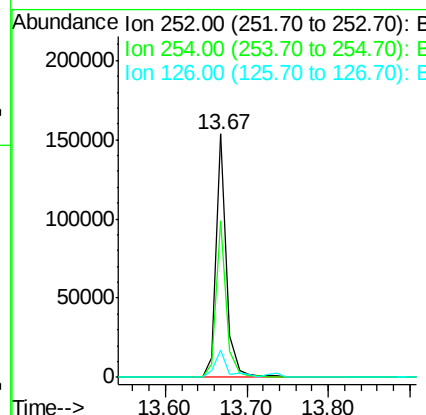
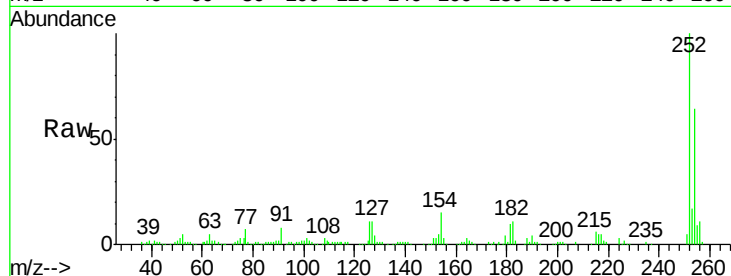
#81
 3,3'-Dichlorobenzidine
 Concen: 17.20 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.06 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.2	50.7	76.1
126	11.3	12.7	19.1

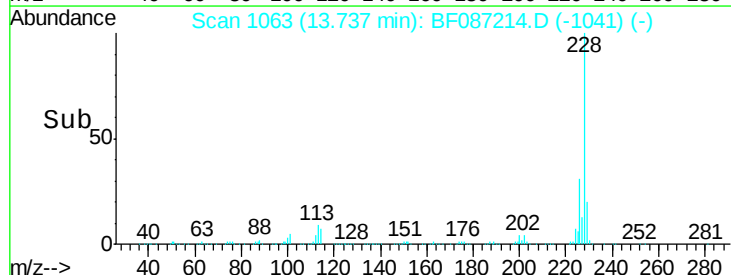
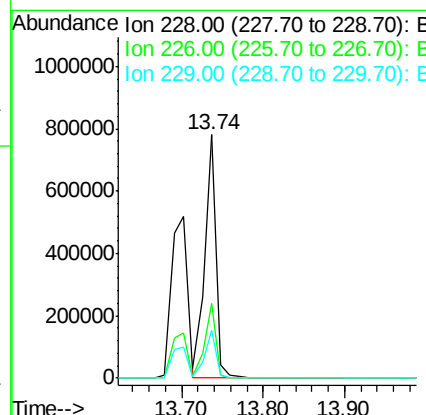
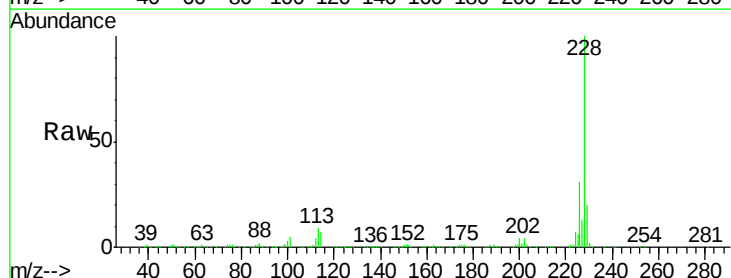
Manual Integrations
 APPROVED

sohil
 5/20/2016 7:14:25 PM



#82
 Chrysene
 Concen: 61.53 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.5	24.4	36.6
229	19.7	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 67.29 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Instrument :

BNA_F

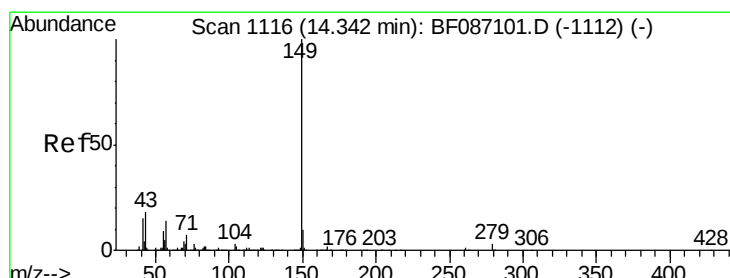
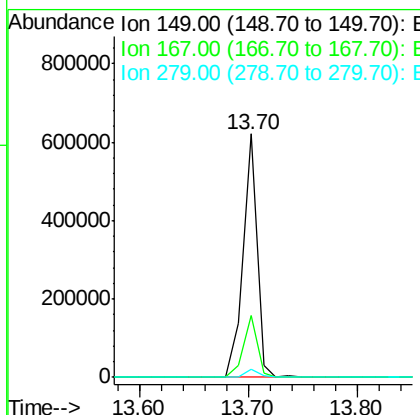
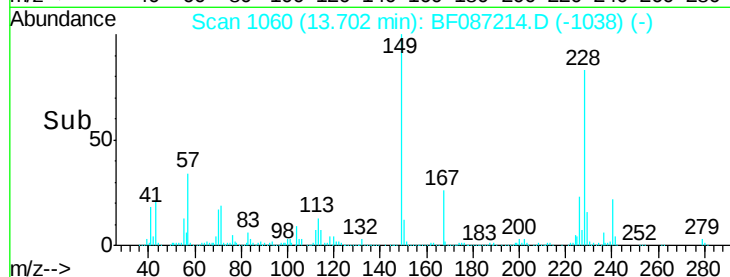
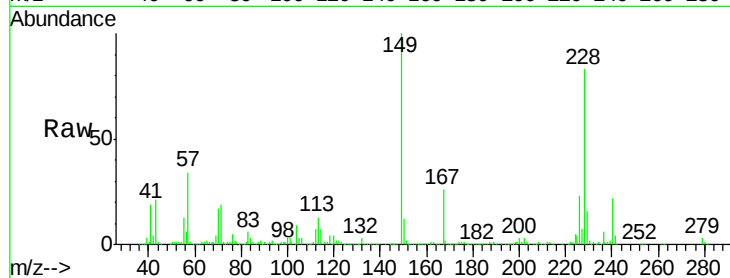
ClientSampleId :

FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion:	149	Resp:	548590
Ion Ratio	Lower	Upper	
149	100		
167	25.6	21.8	32.6
279	3.3	2.6	4.0

Manual Integrations
APPROVED

sohil
5/20/2016 7:14:25 PM



#84

Di-n-octyl phthalate

Concen: 62.32 ng

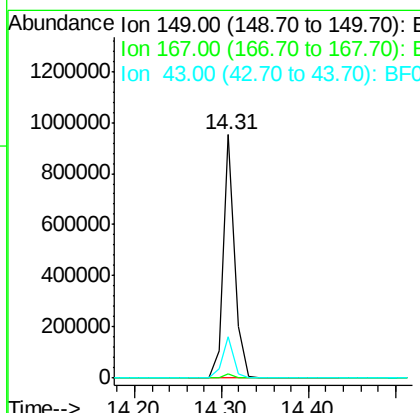
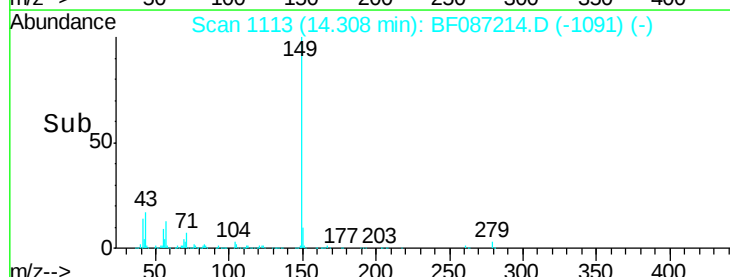
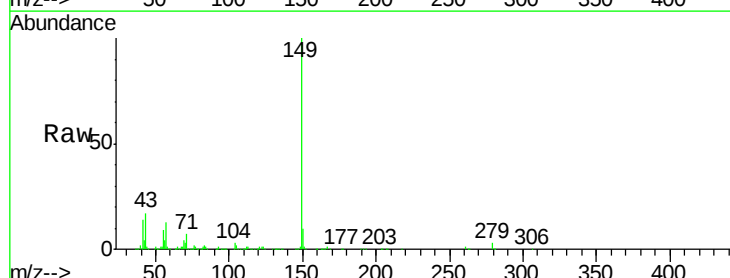
RT: 14.31 min Scan# 1113

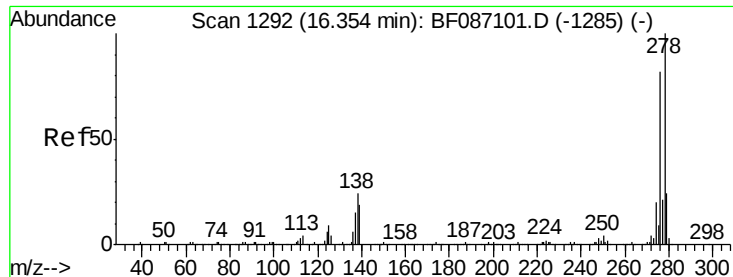
Delta R.T. -0.05 min

Lab File: BF087214.D

Acq: 20 May 2016 6:09

Tgt Ion:	149	Resp:	875302
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	16.7	8.2	12.4#





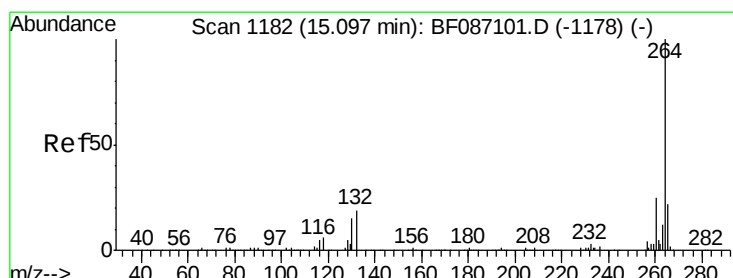
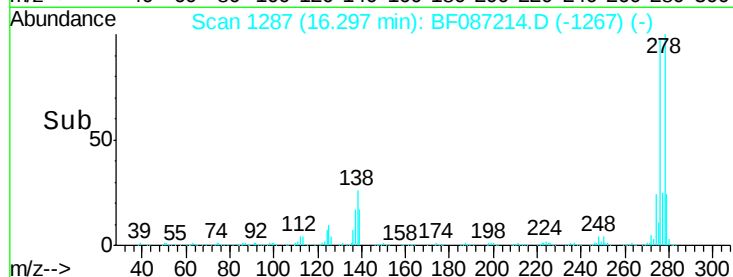
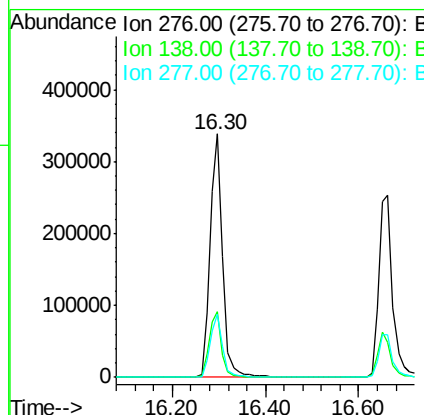
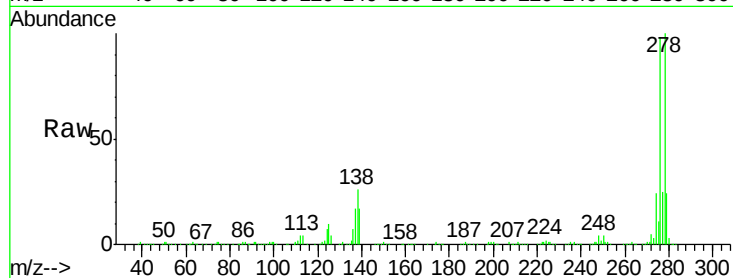
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 59.96 ng
 RT: 16.30 min Scan# 1287
 Delta R.T. -0.07 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt	Ion	276	Resp:	646775
	Ion	Ratio	Lower	Upper
	276	100		
	138	26.7	25.6	38.4
	277	25.5	20.5	30.7

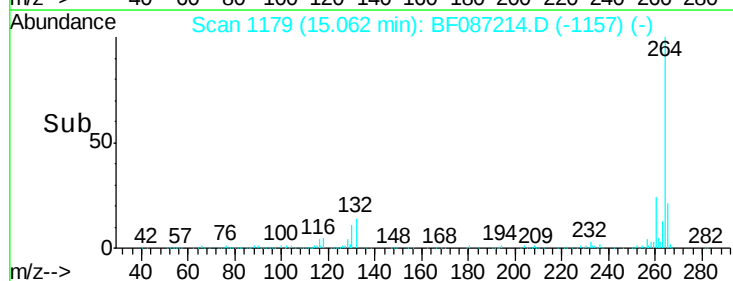
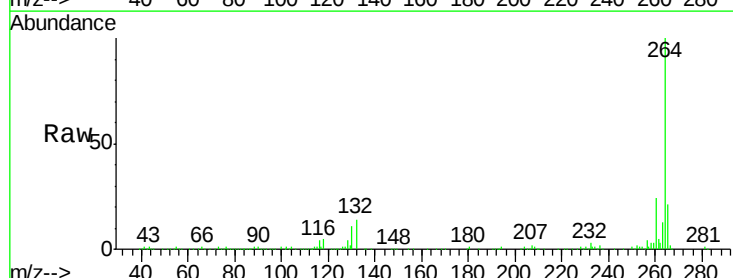
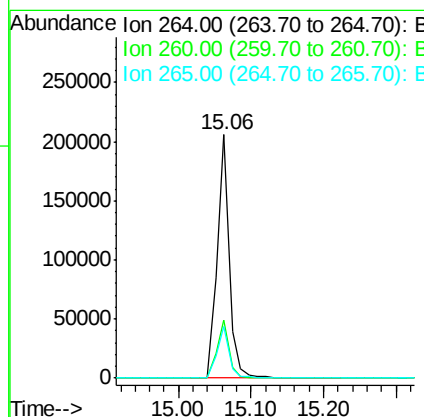
Manual Integrations
 APPROVED

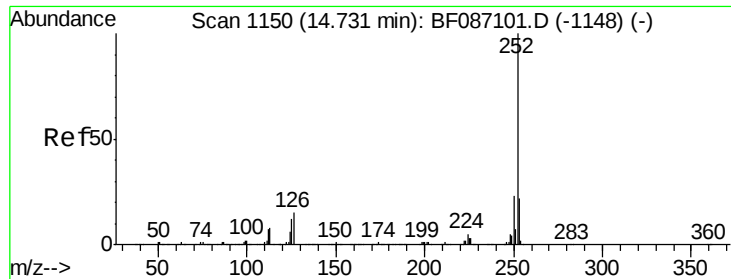
sohil
 5/20/2016 7:14:25 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Tgt	Ion	264	Resp:	238490
	Ion	Ratio	Lower	Upper
	264	100		
	260	23.8	19.5	29.3
	265	21.0	17.3	25.9





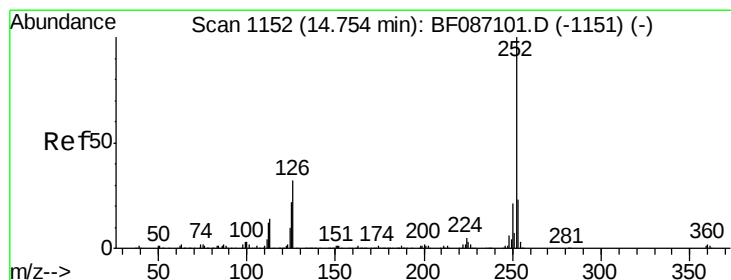
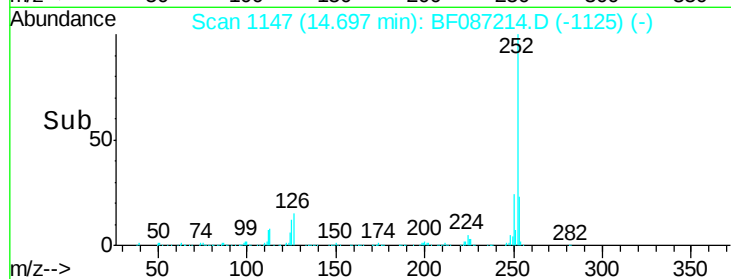
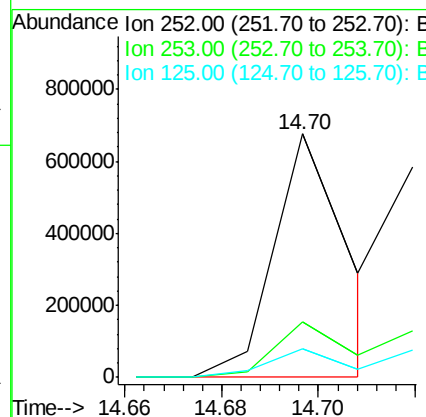
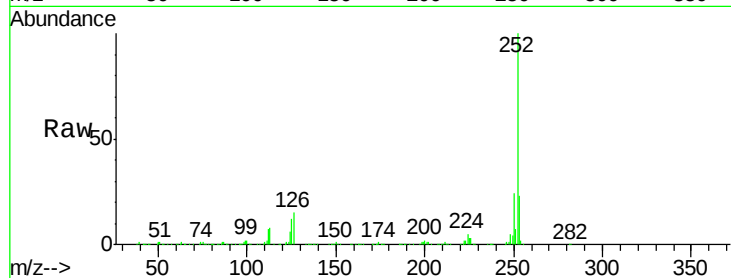
#87
Benzo(b)fluoranthene
Concen: 45.06 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.6	11.4	17.0

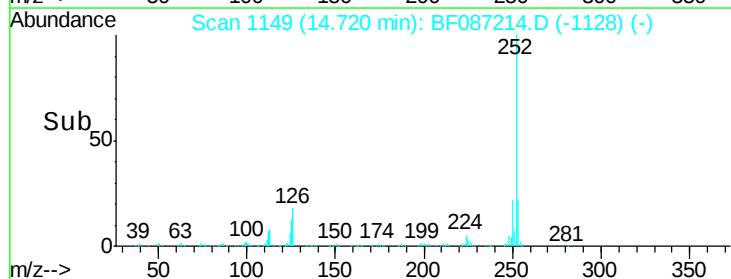
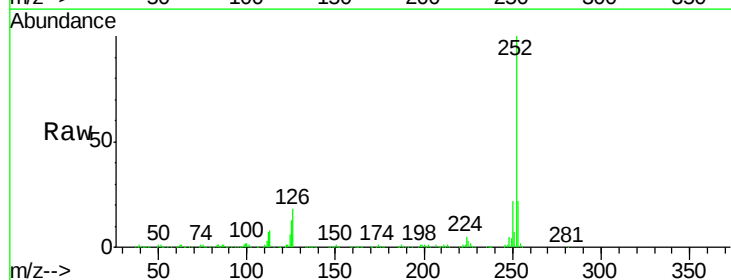
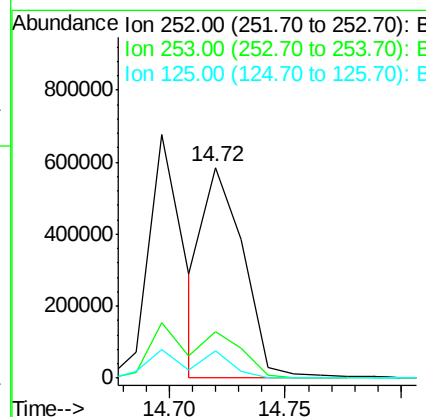
Manual Integrations
APPROVED

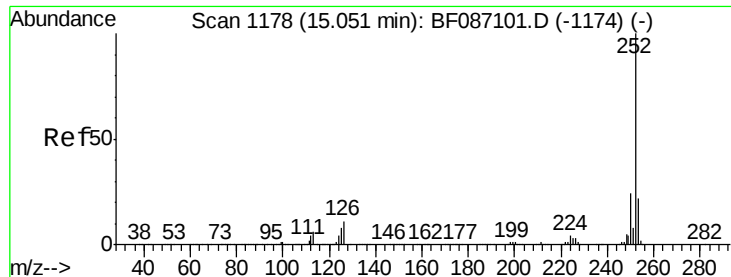
sohil
5/20/2016 7:14:25 PM



#88
Benzo(k)fluoranthene
Concen: 59.66 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.06 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	12.8	9.1	13.7





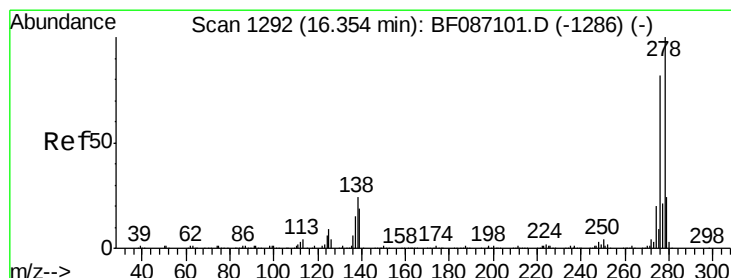
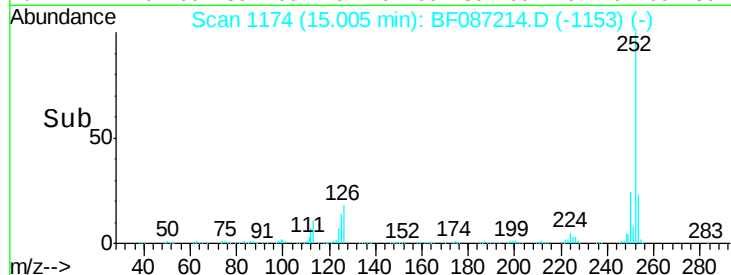
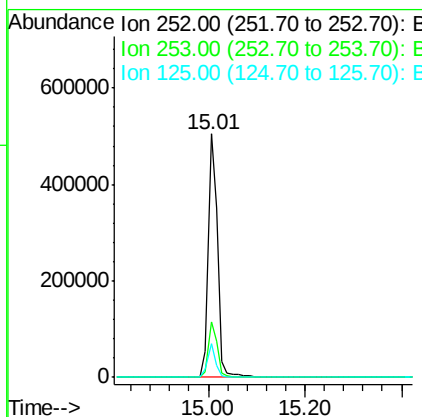
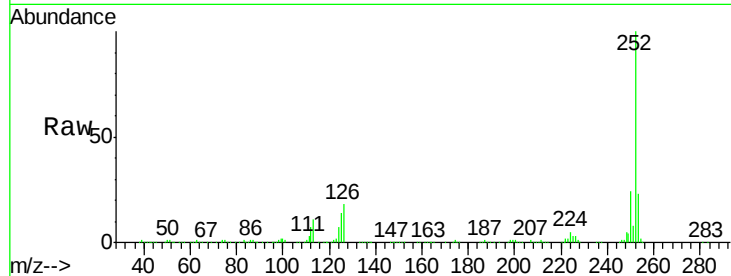
#89
Benzo(a)pyrene
Concen: 50.56 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.06 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Instrument :
BNA_F
ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	13.7	9.0	13.6

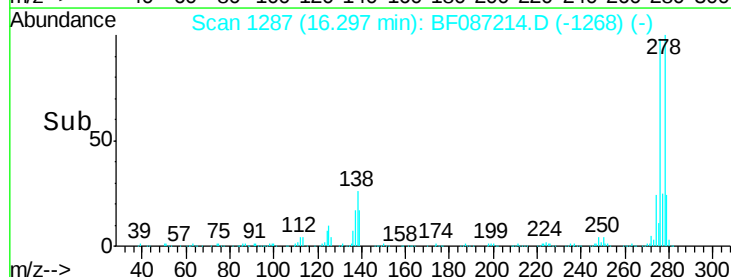
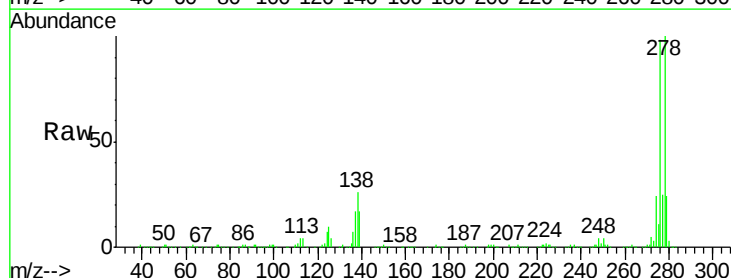
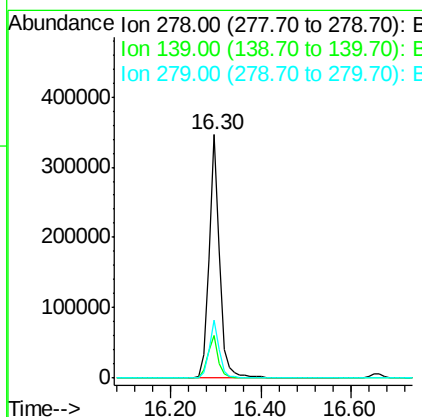
Manual Integrations
APPROVED

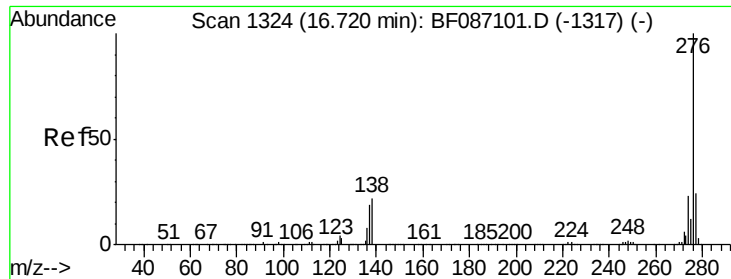
sohil
5/20/2016 7:14:25 PM



#90
Dibenzo(a,h)anthracene
Concen: 50.46 ng
RT: 16.30 min Scan# 1287
Delta R.T. -0.08 min
Lab File: BF087214.D
Acq: 20 May 2016 6:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	16.6	24.8
279	23.9	19.6	29.4





#91
 Benzo(g,h,i)perylene
 Concen: 46.88 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.08 min
 Lab File: BF087214.D
 Acq: 20 May 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)MSD

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		527204		
277	23.5	19.6	29.4		
138	19.5	23.6	35.4		

Manual Integrations
 APPROVED

sohil
 5/20/2016 7:14:25 PM

