

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
 Data File : BF086991.D
 Acq On : 14 May 2016 1:15
 Operator : UM/SJ
 Sample : H2945-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Manual Integrations
 APPROVED

sohil
 5/14/2016 10:00:41 AM

Quant Time: May 14 01:54:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 23:02:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	137535	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	553517	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	274970	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	538948	20.00	ng	0.00
75) Chrysene-d12	13.76	240	414156	20.00	ng	0.00
86) Perylene-d12	15.11	264	340289	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	986654	121.49	ng	0.02
7) Phenol-d6	6.28	99	1226833	113.03	ng	0.00
23) Nitrobenzene-d5	7.19	82	925438	83.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	395865	135.99	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1421171	86.86	ng	0.00
78) Terphenyl-d14	12.71	244	1478056	75.72	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.23	88	132871	33.33	ng	# 65
3) Pyridine	2.87	79	296522m	30.42	ng	
4) n-Nitrosodimethylamine	2.78	42	304519	43.08	ng	# 49
6) Aniline	6.28	93	162551	12.38	ng	# 6
8) 2-Chlorophenol	6.41	128	390489	39.85	ng	97
9) Benzaldehyde	6.17	77	22343	3.55	ng	97
10) Phenol	6.30	94	501325	38.86	ng	72
11) bis(2-Chloroethyl)ether	6.36	93	435442	43.29	ng	92
12) 1,3-Dichlorobenzene	6.55	146	364701m	34.39	ng	
13) 1,4-Dichlorobenzene	6.63	146	375114m	34.68	ng	
14) 1,2-Dichlorobenzene	6.79	146	351999	37.34	ng	97
15) Benzyl Alcohol	6.78	79	372411	49.69	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	6.90	45	819054	37.45	ng	57
17) 2-Methylphenol	6.90	107	318648	40.86	ng	# 79
18) Hexachloroethane	7.12	117	140687	34.58	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	346843	45.73	ng	# 76
20) 3+4-Methylphenols	7.06	107	446937	43.88	ng	# 61
22) Acetophenone	7.04	105	595583	45.55	ng	99
24) Nitrobenzene	7.21	77	506537	44.67	ng	97
25) Isophorone	7.45	82	871557	42.61	ng	99
26) 2-Nitrophenol	7.53	139	215288	43.19	ng	96
27) 2,4-Dimethylphenol	7.59	122	364292	42.90	ng	93
28) bis(2-Chloroethoxy)methane	7.67	93	520809	47.21	ng	98
29) 2,4-Dichlorophenol	7.78	162	335348	44.87	ng	94
30) 1,2,4-Trichlorobenzene	7.85	180	346853	41.51	ng	99
31) Naphthalene	7.92	128	1108853	40.00	ng	99
32) Benzoic acid	7.75	122	238369	47.80	ng	88
33) 4-Chloroaniline	7.99	127	127869	11.87	ng	# 93
34) Hexachlorobutadiene	8.04	225	189427	39.07	ng	99
35) Caprolactam	8.38	113	93175m	36.64	ng	
36) 4-Chloro-3-methylphenol	8.49	107	377693	41.67	ng	89
37) 2-Methylnaphthalene	8.62	142	787881	48.61	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.79	216	318986	39.90	ng	99
40) Hexachlorocyclopentadiene	8.76	237	252133	66.44	ng	95

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
 Data File : BF086991.D
 Acq On : 14 May 2016 1:15
 Operator : UM/SJ
 Sample : H2945-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

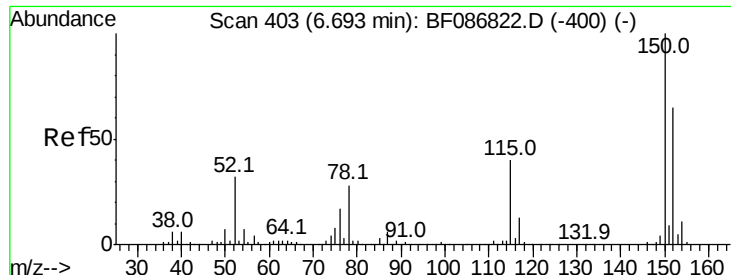
Manual Integrations
 APPROVED

sohil
 5/14/2016 10:00:41 AM

Quant Time: May 14 01:54:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 23:02:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	221131	41.36	nq	95
43) 2,4,5-Trichlorophenol	8.96	196	246759	44.63	nq	96
45) 1,1'-Biphenyl	9.08	154	991258	45.32	nq	100
46) 2-Chloronaphthalene	9.11	162	730134	42.61	nq	98
47) 2-Nitroaniline	9.21	65	280948	44.86	nq	# 74
48) Acenaphthylene	9.52	152	1116963	44.32	nq	99
49) Dimethylphthalate	9.39	163	879597	41.93	nq	99
50) 2,6-Dinitrotoluene	9.45	165	193919	43.92	nq	# 64
51) Acenaphthene	9.68	154	706809	45.08	nq	98
52) 3-Nitroaniline	9.62	138	106754	22.97	nq	# 77
53) 2,4-Dinitrophenol	9.74	184	207679	90.89	nq	# 80
54) Dibenzofuran	9.86	168	1016782	50.52	nq	100
55) 4-Nitrophenol	9.82	139	250116	80.66	nq	# 48
56) 2,4-Dinitrotoluene	9.86	165	265234	48.55	nq	91
57) Fluorene	10.19	166	752781	43.86	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	215906	51.87	nq	97
59) Diethylphthalate	10.09	149	873754	42.74	nq	98
60) 4-Chlorophenyl-phenylether	10.19	204	342380	46.14	nq	98
61) 4-Nitroaniline	10.24	138	192617	43.15	nq	# 66
62) Azobenzene	10.35	77	1065258	48.30	nq	87
64) 4,6-Dinitro-2-methylphenol	10.27	198	148131	44.24	nq	91
65) n-Nitrosodiphenylamine	10.32	169	724017	43.73	nq	100
66) 4-Bromophenyl-phenylether	10.68	248	235423	43.08	nq	# 82
67) Hexachlorobenzene	10.74	284	255882	40.07	nq	# 77
68) Atrazine	10.86	200	248265	44.89	nq	94
69) Pentachlorophenol	10.95	266	281783	95.48	nq	99
70) Phenanthrene	11.15	178	1218798	42.38	nq	100
71) Anthracene	11.20	178	1262317	42.91	nq	99
72) Carbazole	11.37	167	1243256	49.17	nq	99
73) Di-n-butylphthalate	11.70	149	1276141	41.33	nq	# 98
74) Fluoranthene	12.33	202	1197933	40.50	nq	99
76) Benzidine	12.47	184	108848	10.31	nq	97
77) Pyrene	12.56	202	1244300	39.24	nq	99
79) Butylbenzylphthalate	13.19	149	546940	40.78	nq	# 69
80) Benzo(a)anthracene	13.75	228	1024612	44.07	nq	99
81) 3,3'-Dichlorobenzidine	13.71	252	205060	13.88	nq	98
82) Chrysene	13.78	228	987082	41.74	nq	98
83) Bis(2-ethylhexyl)phthalate	13.75	149	673904	41.77	nq	# 95
84) Di-n-octyl phthalate	14.37	149	1274034	47.68	nq	# 86
85) Indeno(1,2,3-cd)pyrene	16.37	276	864166	43.92	nq	94
87) Benzo(b)fluoranthene	14.74	252	1222968m	55.30	nq	
88) Benzo(k)fluoranthene	14.78	252	643584m	35.54	nq	
89) Benzo(a)pyrene	15.06	252	849685	44.54	nq	98
90) Dibenzo(a,h)anthracene	16.38	278	719102	44.73	nq	# 93
91) Benzo(g,h,i)perylene	16.73	276	741850	45.41	nq	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

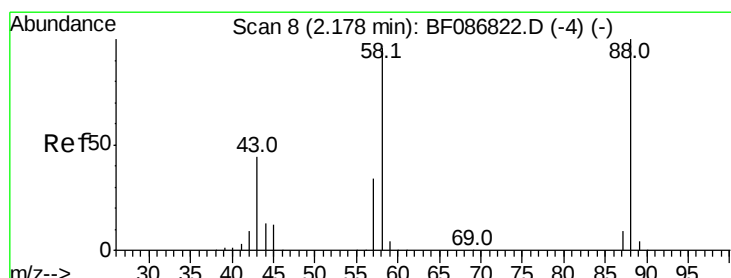
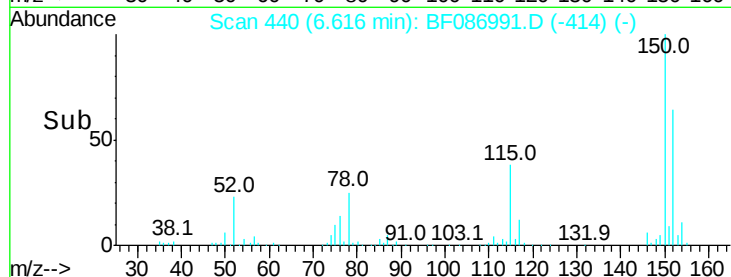
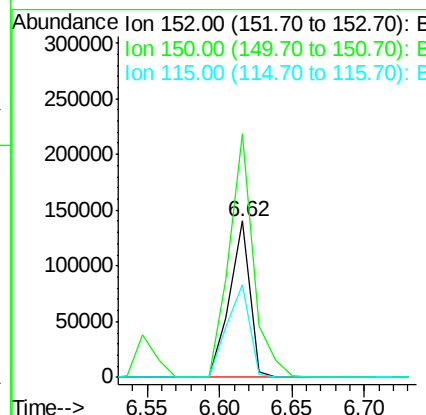
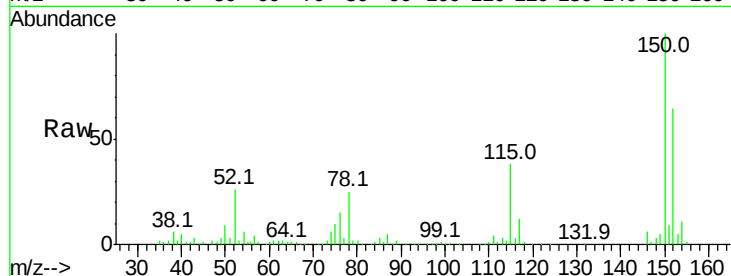
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	152	Resp:	137535
Ion Ratio	Lower	Upper	
152	100		
150	155.9	125.8	188.6
115	59.3	51.5	77.3

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#2

1,4-Dioxane

Concen: 33.33 ng

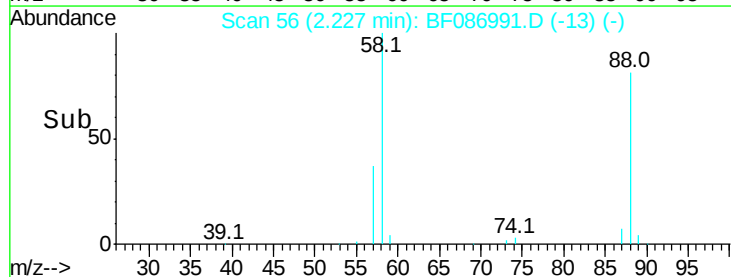
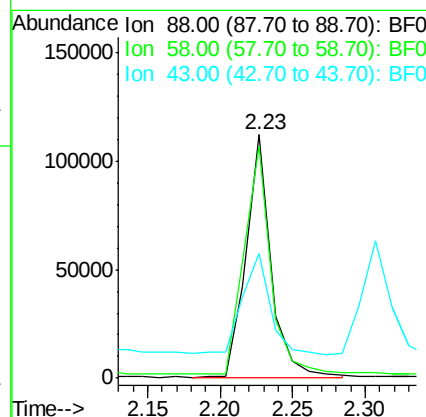
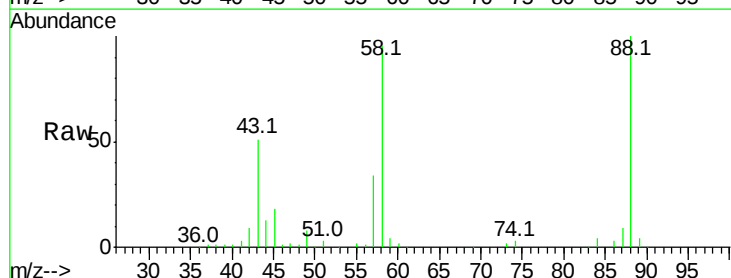
RT: 2.23 min Scan# 56

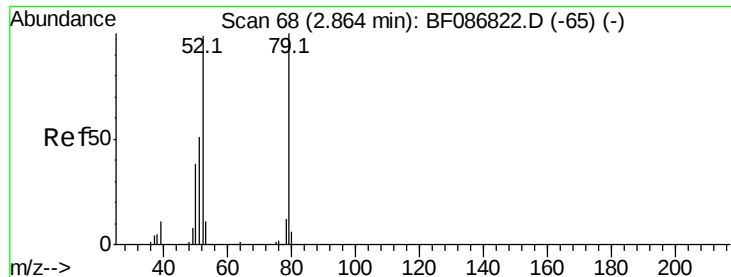
Delta R.T. 0.19 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	88	Resp:	132871
Ion Ratio	Lower	Upper	
88	100		
58	98.3	59.6	89.4#
43	0.0	21.8	32.6#





#3

Pvridine

Concen: 30.42 ng/ml

RT: 2.87 min Scan# 112

Delta R.T. 0.19 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

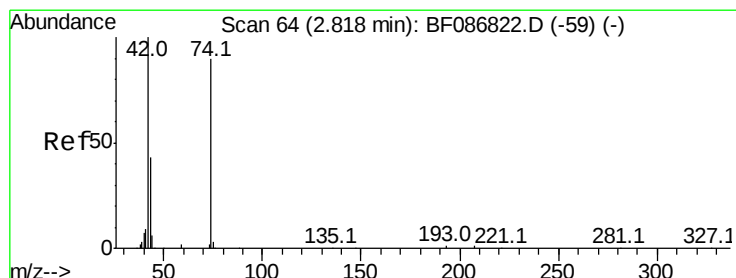
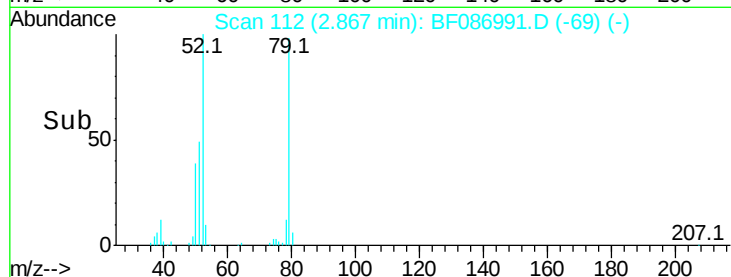
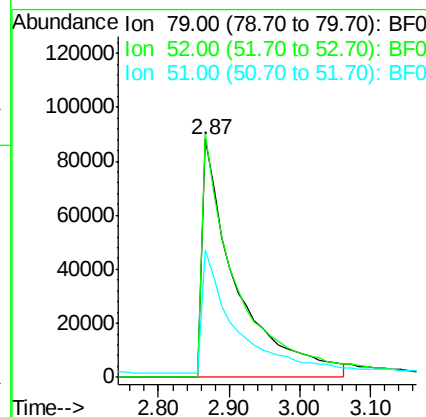
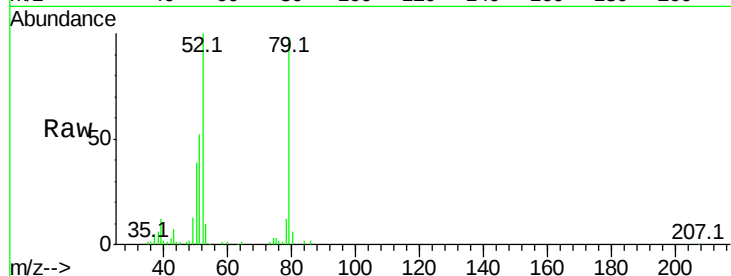
HSR-WC-43-050616MSD

Manual Integrations
APPROVED

sohil

5/14/2016 10:00:41 AM

Tot Ion	Ratio	Lower	Upper
79	100		
52	102.3	55.9	83.9#
51	53.3	28.1	42.1#



#4

n-Nitrosodimethylamine

Concen: 43.08 ng/ml

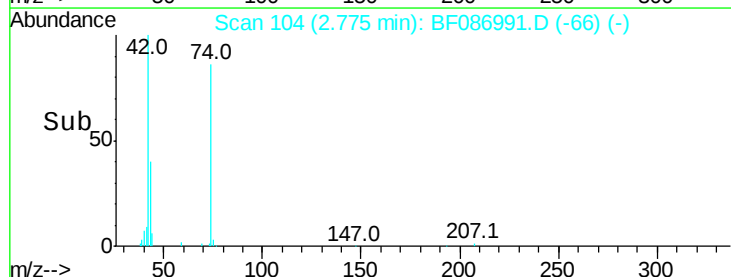
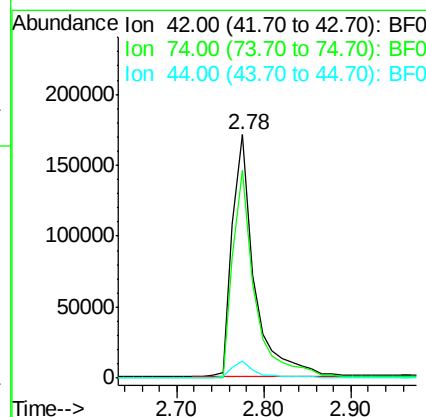
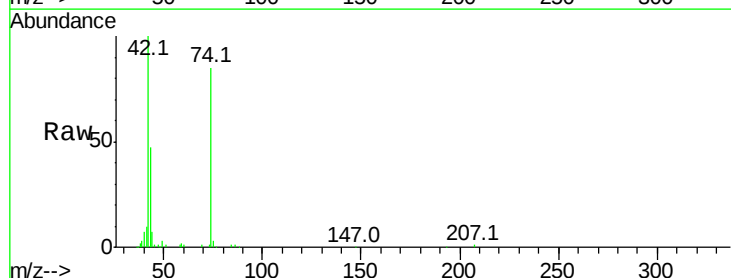
RT: 2.78 min Scan# 104

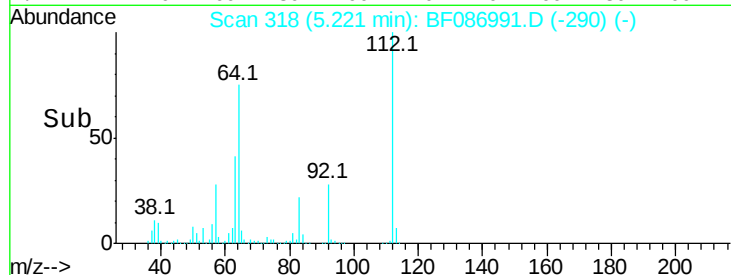
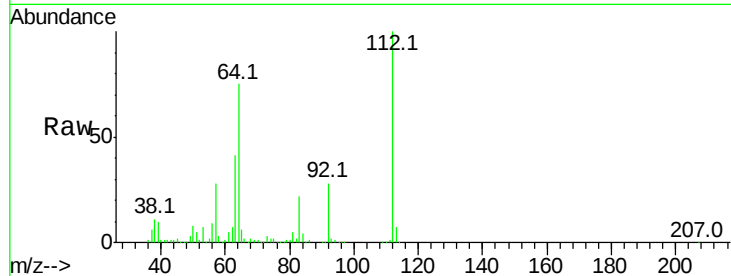
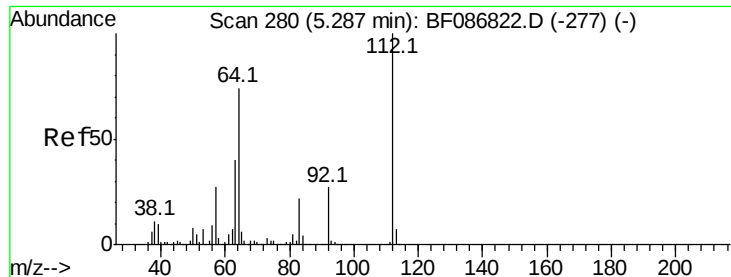
Delta R.T. 0.14 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Lower	Upper
42	100		
74	85.5	123.4	185.0#
44	6.8	5.8	8.6





#5

2-Fluorophenol

Concen: 121.49 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.02 min

Lab File: BF086991.D

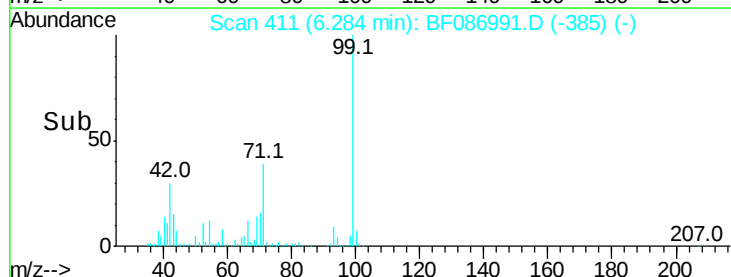
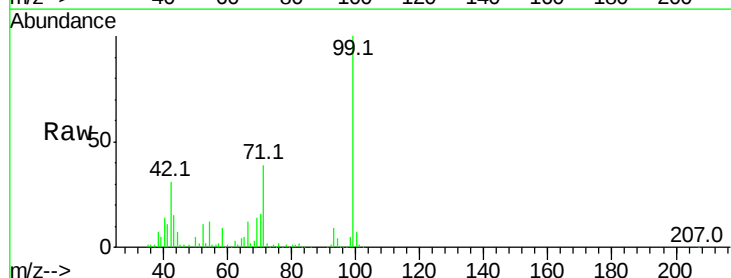
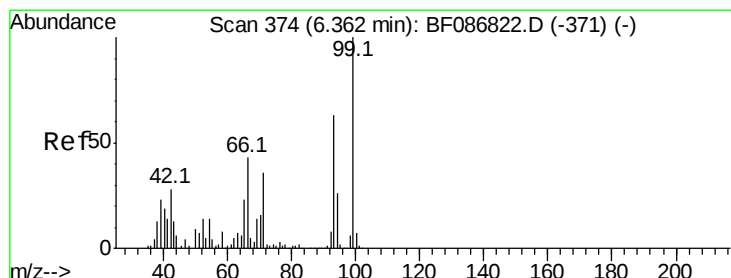
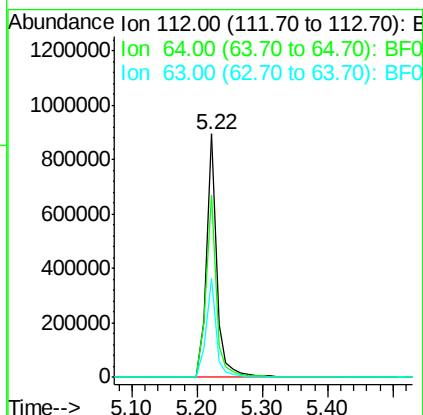
Acq: 14 May 2016 1:15

Tot Ion:	112	Resp:	986654
Ion Ratio	Lower	Upper	
112	100		
64	74.6	52.1	78.1
63	40.6	25.7	38.5#

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#6

Aniline

Concen: 12.38 ng

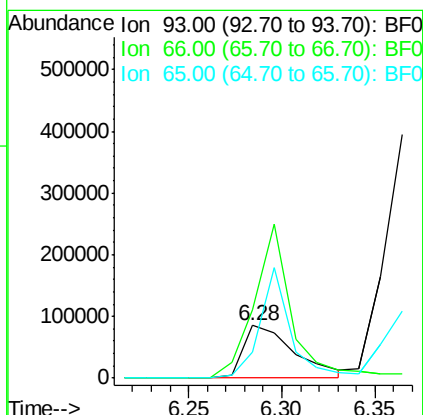
RT: 6.28 min Scan# 411

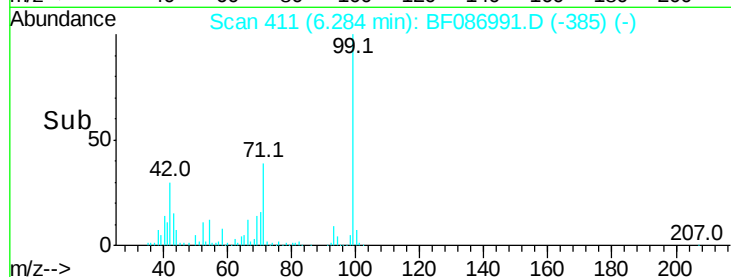
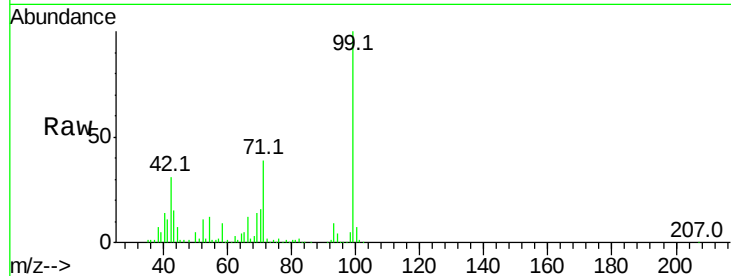
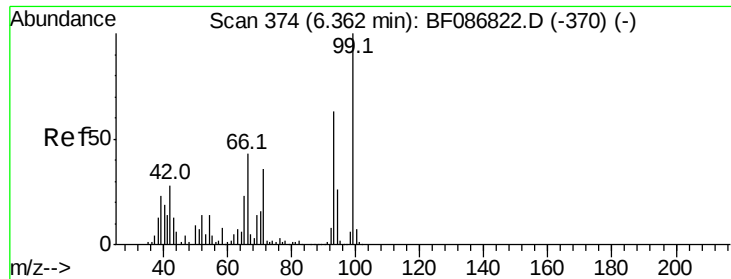
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	93	Resp:	162551
Ion Ratio	Lower	Upper	
93	100		
66	129.6	39.0	58.6#
65	49.5	20.6	31.0#





#7

Phenol-d6

Concen: 113.03 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tot Ion: 99 Resp: 1226833

Ion Ratio Lower Upper

99 100

42 30.5 13.6 20.4#

71 38.8 24.6 36.8#

Instrument :

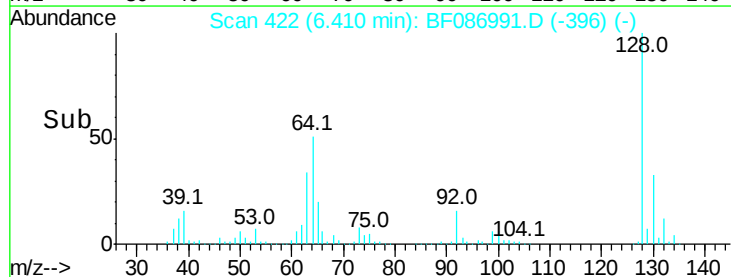
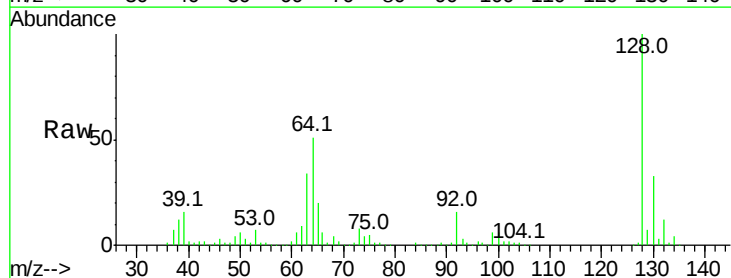
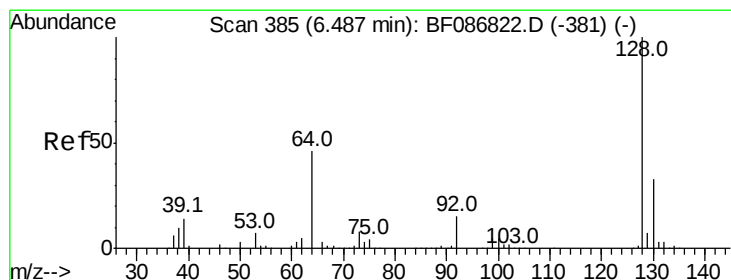
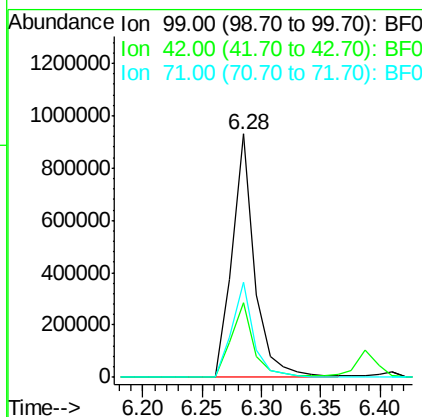
BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#8

2-Chlorophenol

Concen: 39.85 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

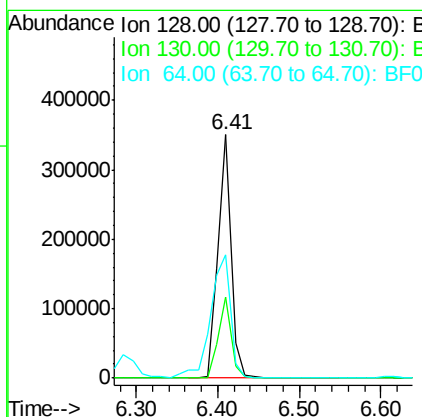
Tgt Ion:128 Resp: 390489

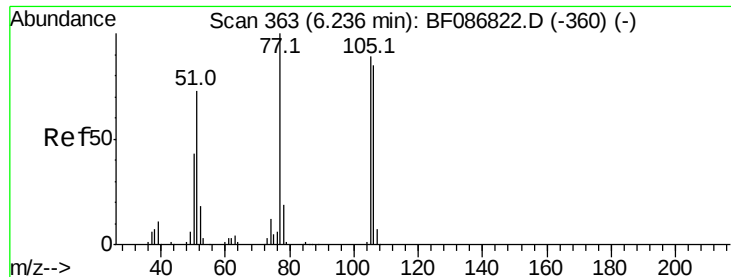
Ion Ratio Lower Upper

128 100

130 33.3 12.5 52.5

64 50.6 27.3 67.3





#9

Benzaldehyde

Concen: 3.55 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

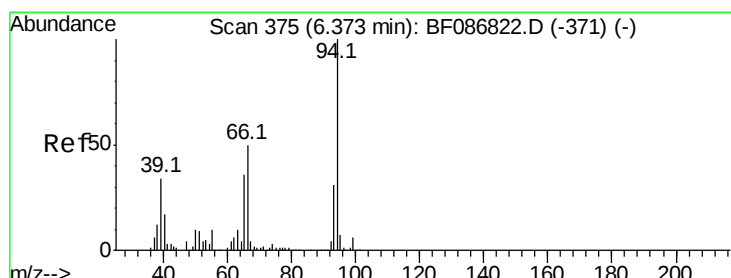
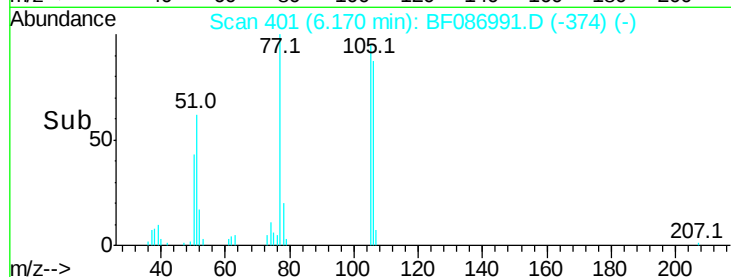
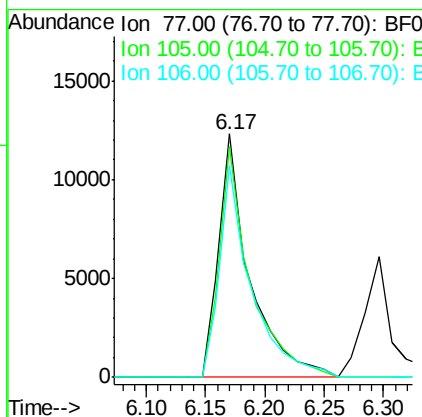
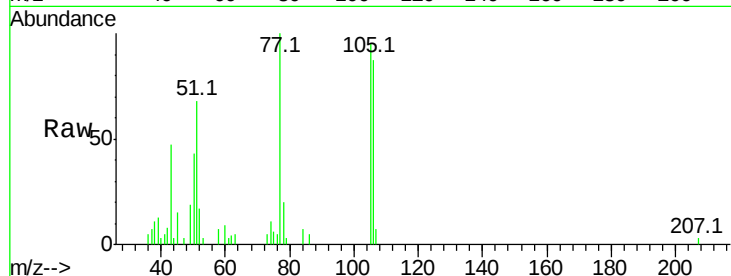
HSR-WC-43-050616MSD

Tot Ion: 77 Resp: 22343

Ion	Ratio	Lower	Upper
77	100		
105	95.0	72.7	112.7
106	87.0	70.8	110.8

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#10

Phenol

Concen: 38.86 ng

RT: 6.30 min Scan# 412

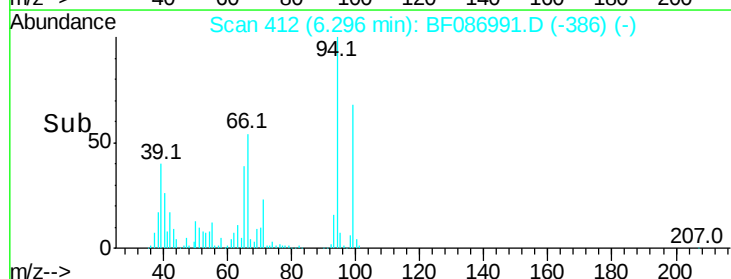
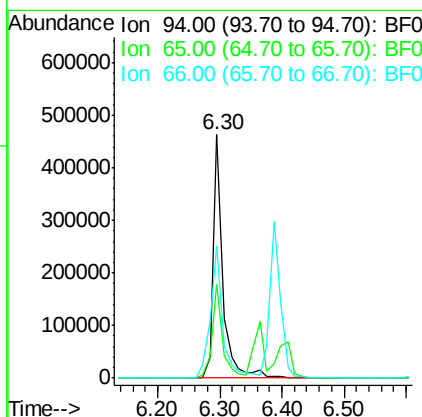
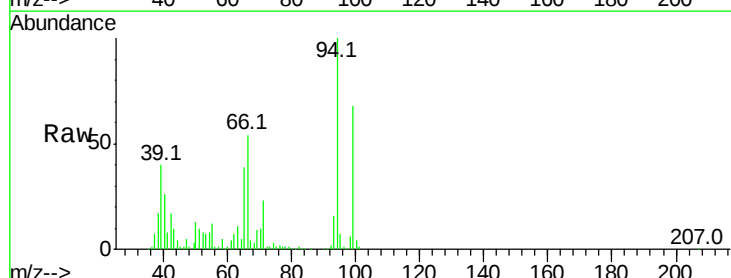
Delta R.T. -0.00 min

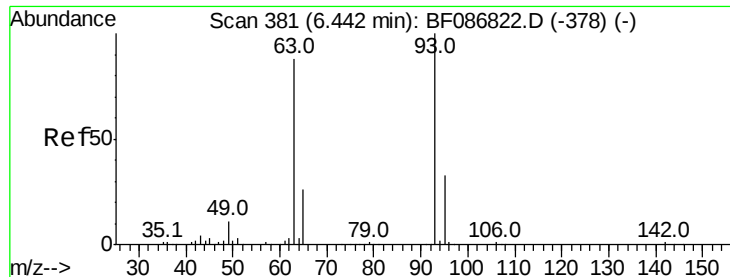
Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion: 94 Resp: 501325

Ion	Ratio	Lower	Upper
94	100		
65	38.5	7.2	47.2
66	54.1	14.9	54.9





#11

bis(2-Chloroethyl)ether

Concen: 43.29 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

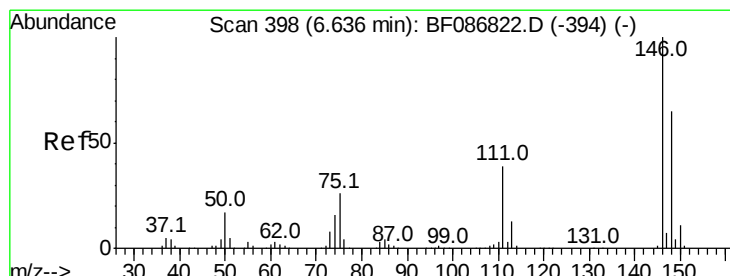
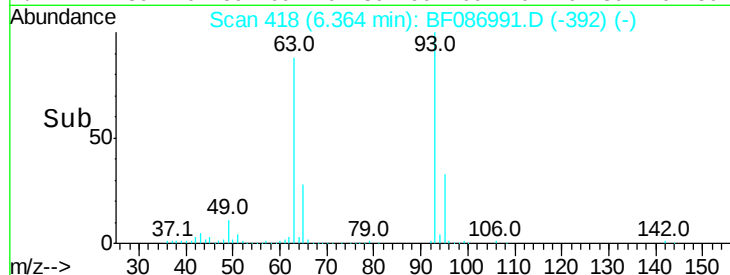
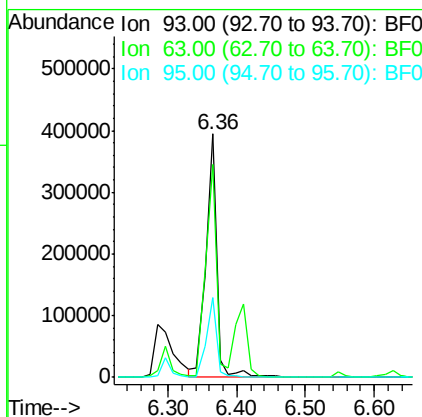
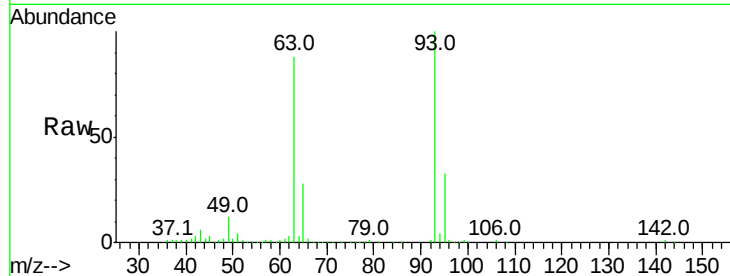
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	93	Resp:	435442
Ion Ratio	Lower	Upper	
93	100		
63	87.7	58.0	98.0
95	32.5	11.9	51.9

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#12

1,3-Dichlorobenzene

Concen: 34.39 ng m

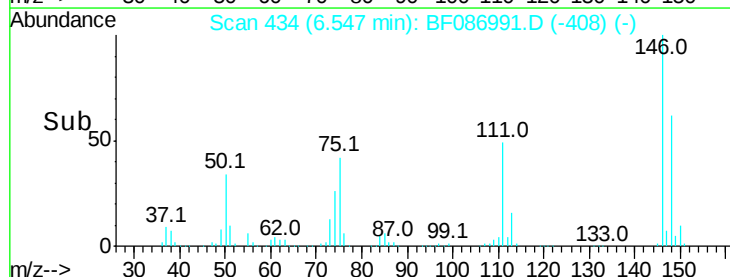
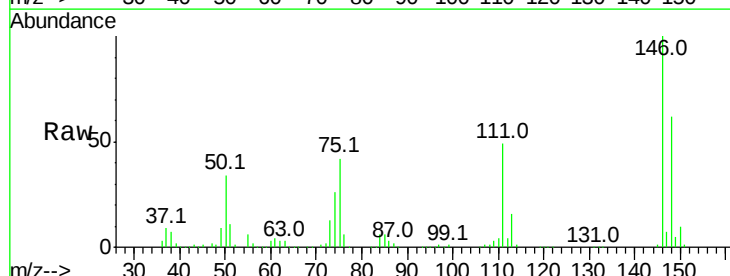
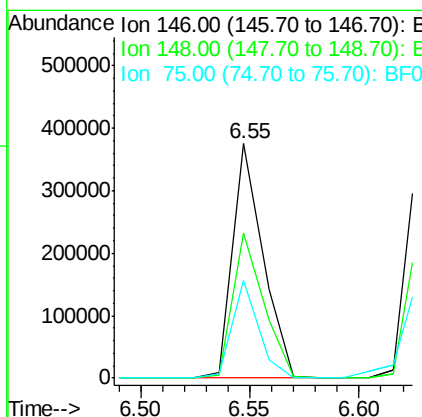
RT: 6.55 min Scan# 434

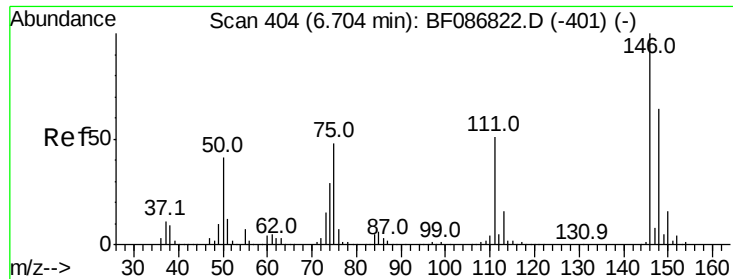
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	146	Resp:	364701
Ion Ratio	Lower	Upper	
146	100		
148	62.2	52.4	78.6
75	41.8	22.8	34.2#





#13

1,4-Dichlorobenzene

Concen: 34.68 ng/mL

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

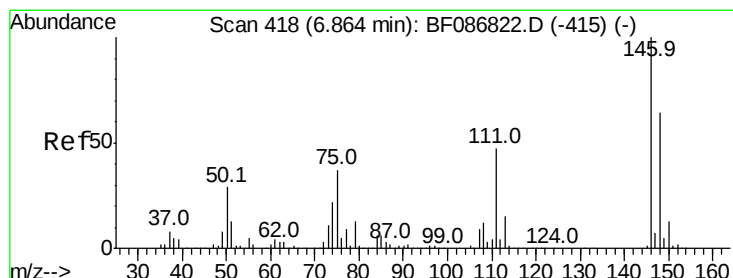
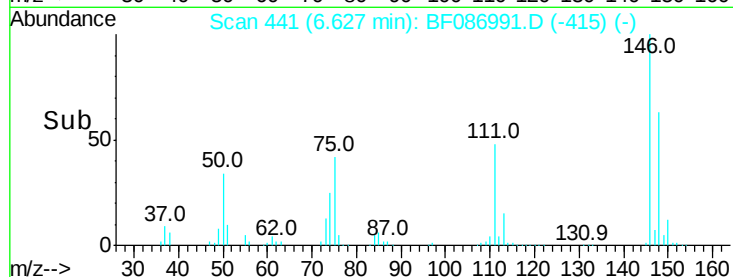
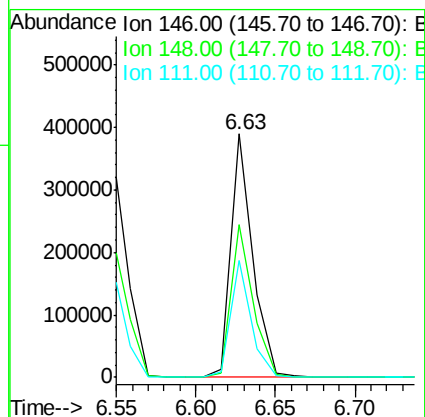
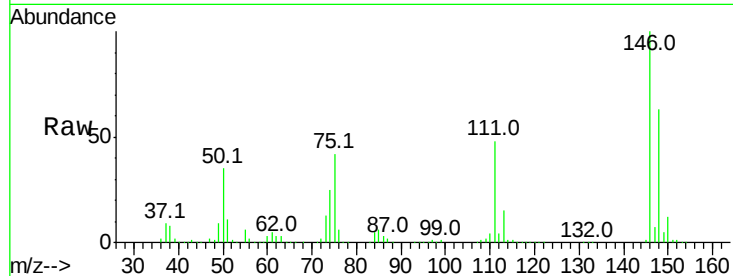
ClientSampleID :

HSR-WC-43-050616MSD

Tot Ion:	146	Resp:	375114
Ion Ratio	Lower	Upper	
146	100		
148	62.7	52.2	78.4
111	48.1	30.7	46.1

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#14

1,2-Dichlorobenzene

Concen: 37.34 ng/mL

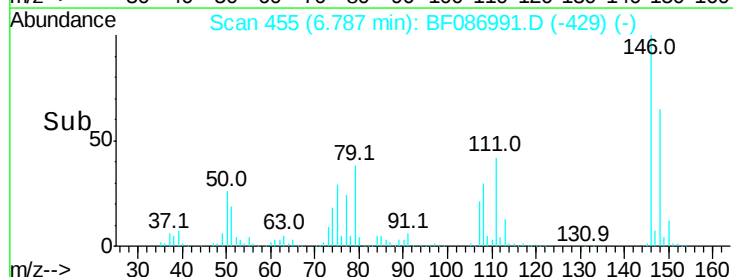
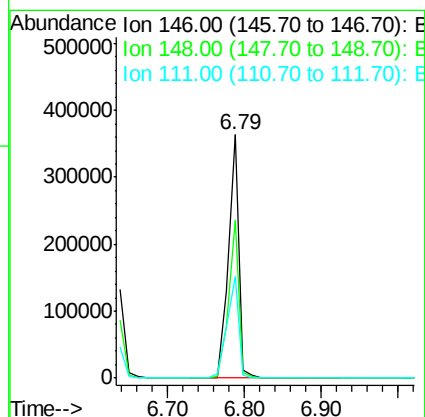
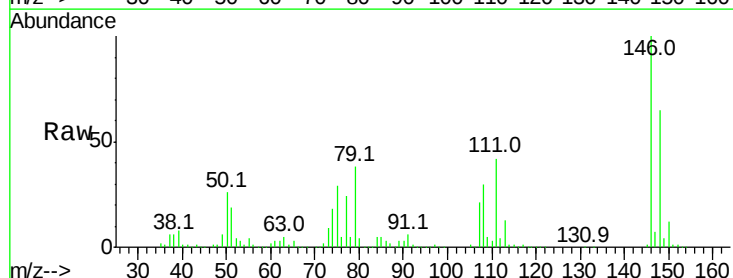
RT: 6.79 min Scan# 455

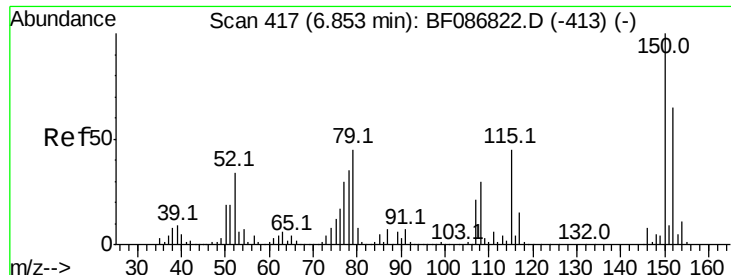
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	146	Resp:	351999
Ion Ratio	Lower	Upper	
146	100		
148	65.1	51.0	76.6
111	41.9	36.2	54.4





#15

Benzyl Alcohol

Concen: 49.69 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion: 79 Resp: 372411

Ion Ratio Lower Upper

79 100

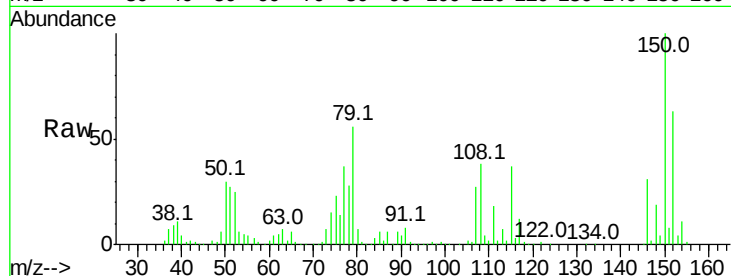
108 68.1 68.4 102.6#

77 66.4 50.6 76.0

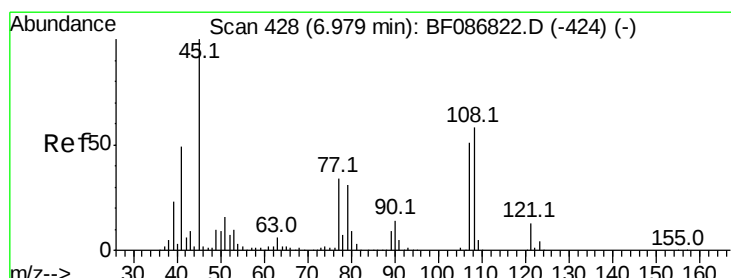
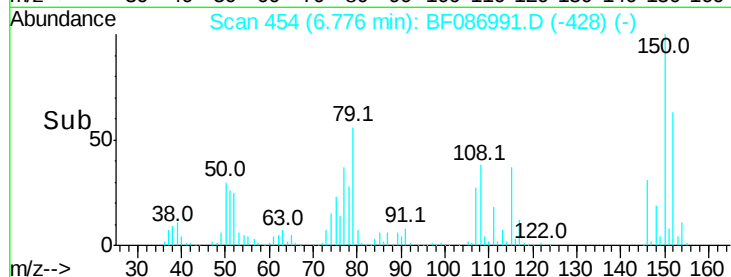
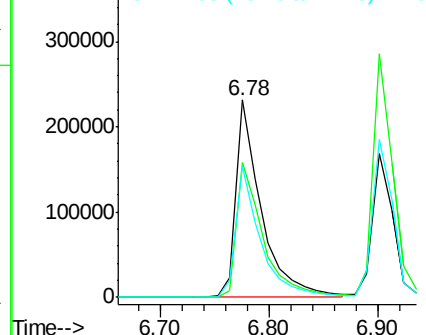
Manual Integrations
APPROVED

sohil

5/14/2016 10:00:41 AM



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.45 ng

RT: 6.90 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

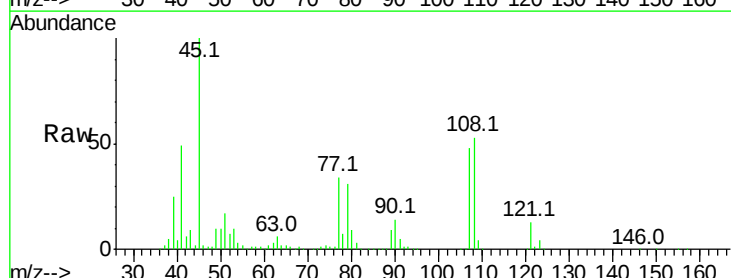
Tgt Ion: 45 Resp: 819054

Ion Ratio Lower Upper

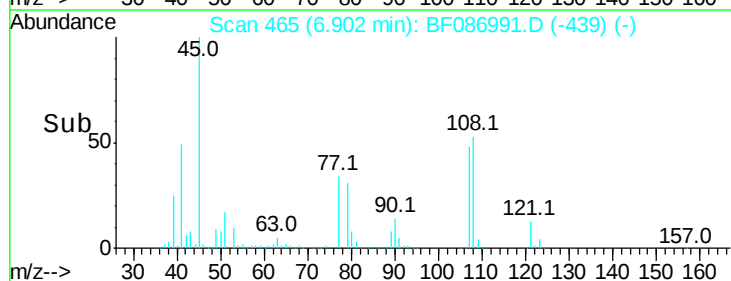
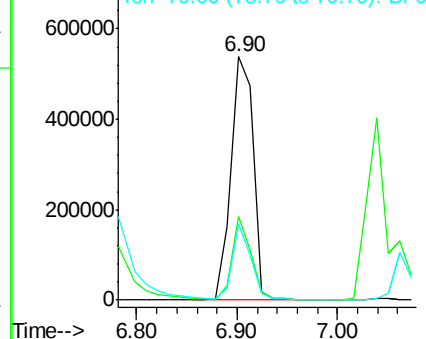
45 100

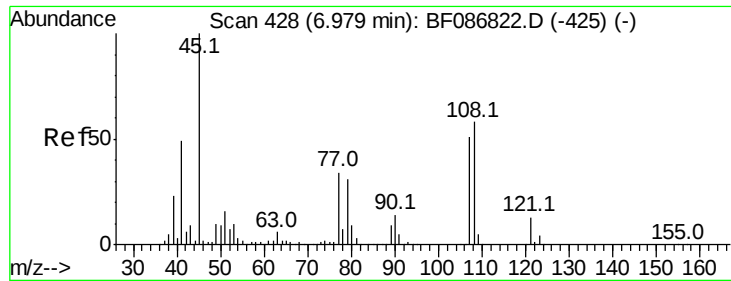
77 34.3 0.0 36.4

79 31.4 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





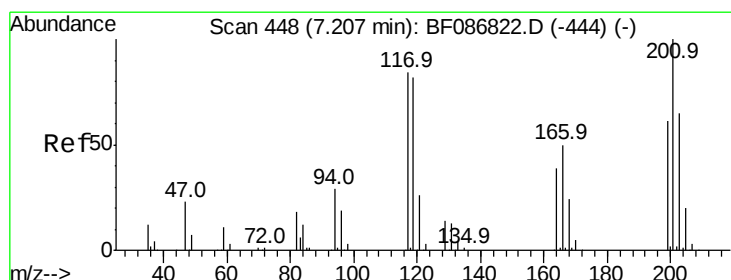
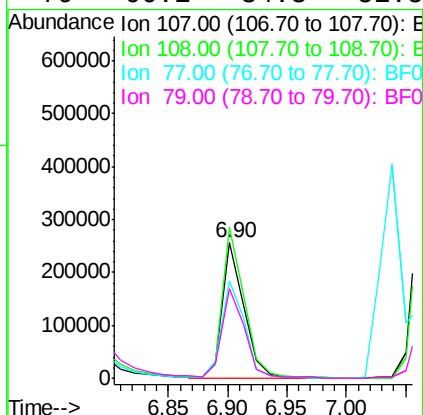
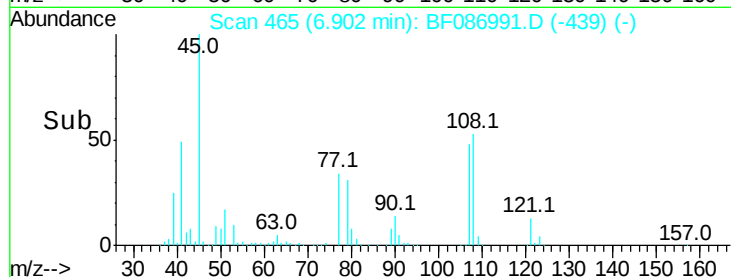
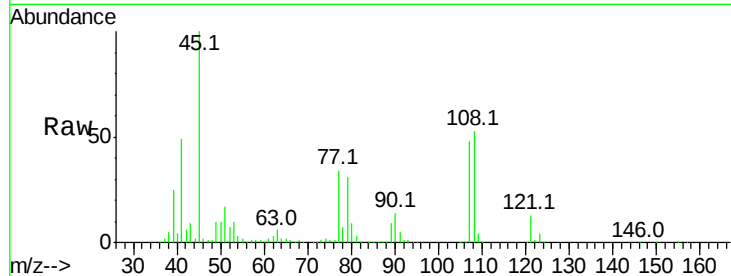
#17
2-Methylphenol
Concen: 40.86 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.6	93.7	140.5	
77	72.2	33.4	50.0#	
79	66.1	34.3	51.5#	

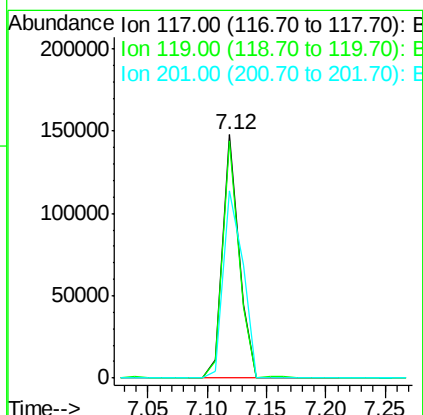
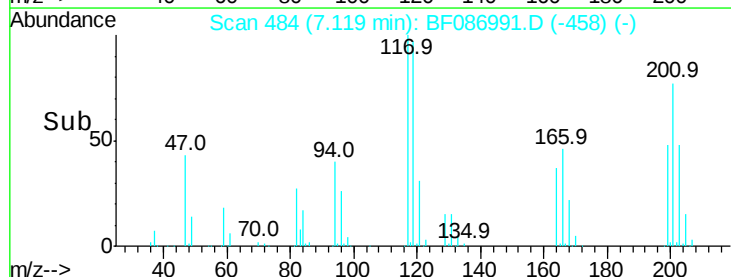
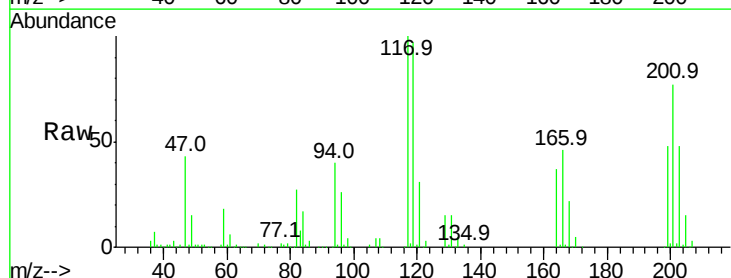
Manual Integrations
APPROVED

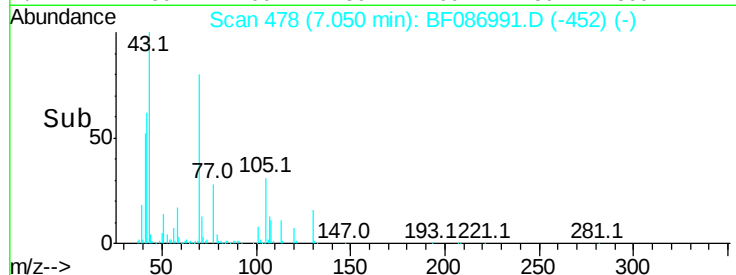
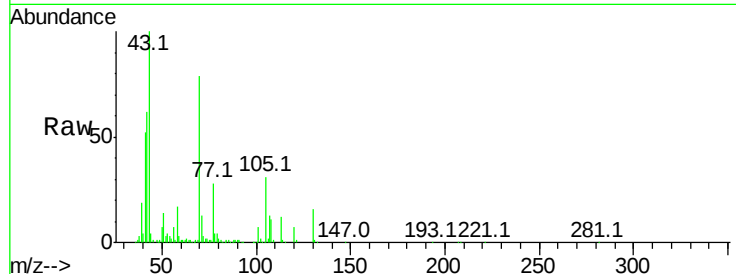
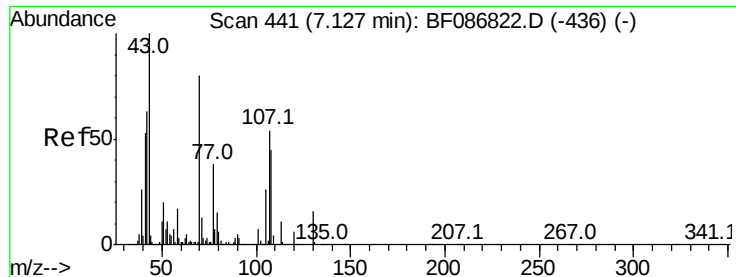
sohil
5/14/2016 10:00:41 AM



#18
Hexachloroethane
Concen: 34.58 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.4	76.5	114.7	
201	76.9	63.0	94.6	





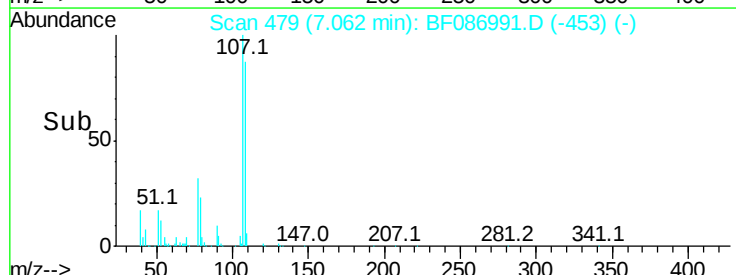
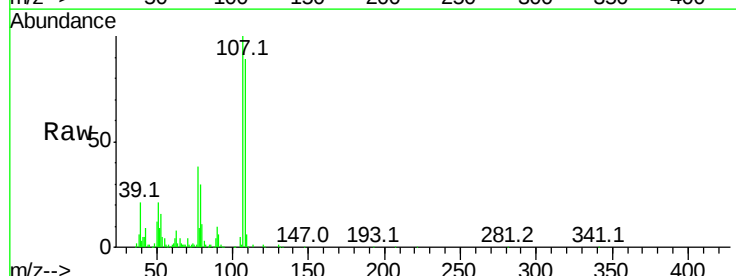
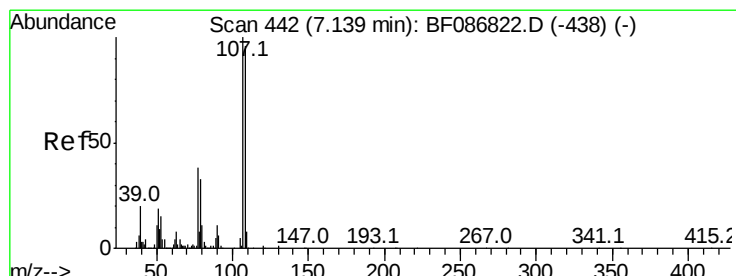
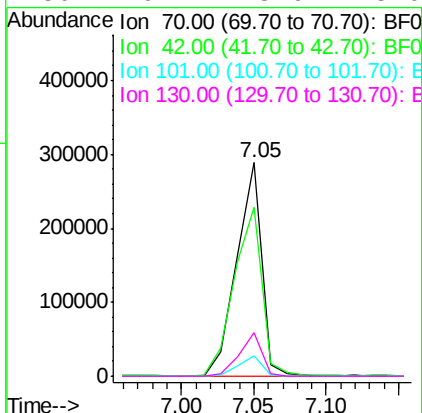
#19
n-Nitroso-di-n-propylamine
Concen: 45.73 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	79.0	43.1	64.7#
101	9.4	8.1	12.1
130	20.1	18.6	28.0

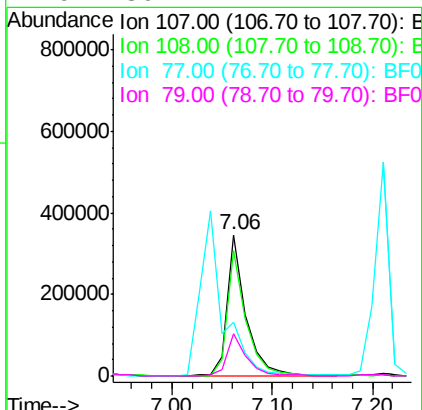
Manual Integrations
APPROVED

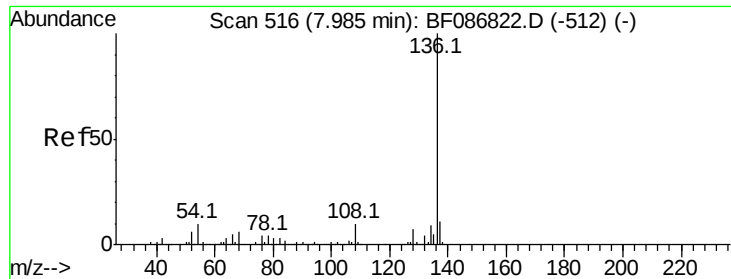
sohil
5/14/2016 10:00:41 AM



#20
3+4-Methylphenols
Concen: 43.88 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.5	108.5
77	37.9	101.6	141.6#
79	30.1	7.4	47.4





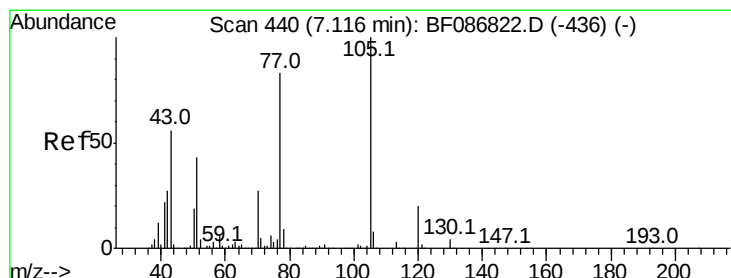
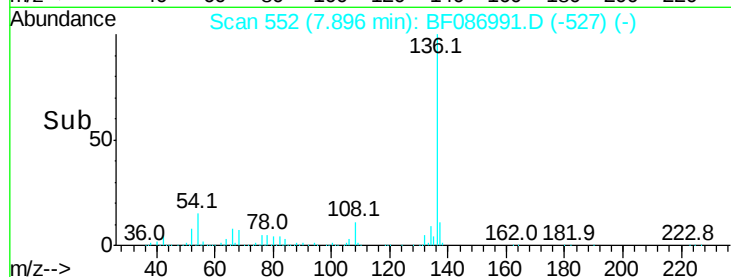
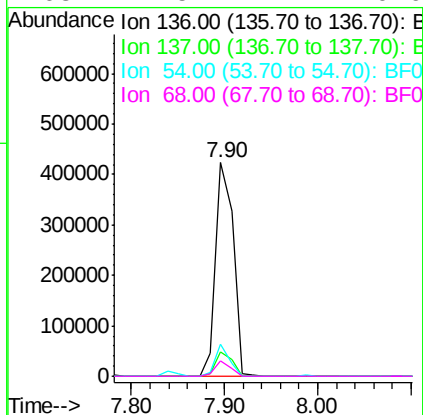
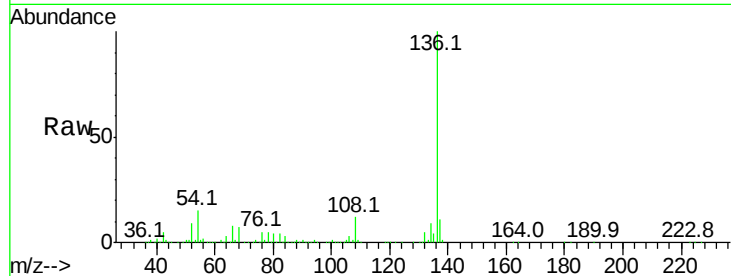
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.8	13.2	
54	14.8	5.0	7.4	
68	7.5	4.4	6.6	

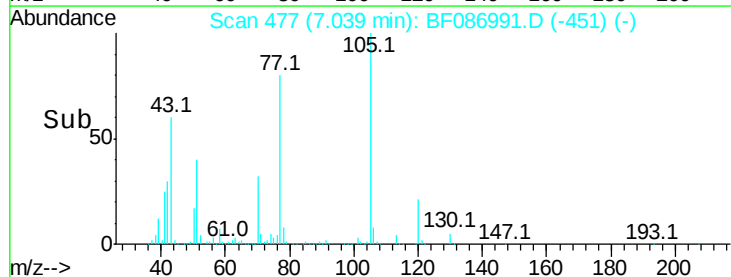
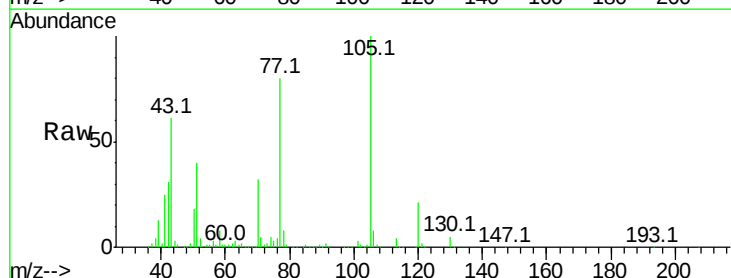
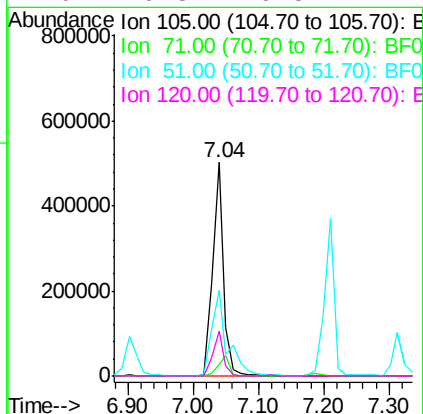
Manual Integrations
APPROVED

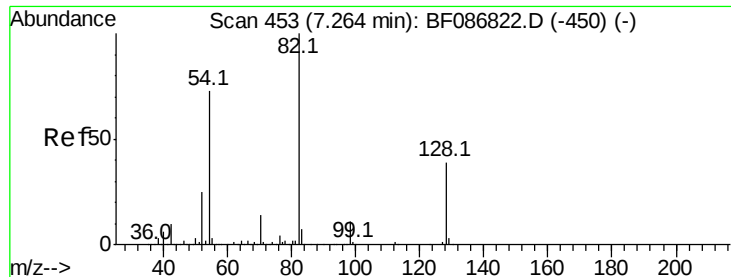
sohil
5/14/2016 10:00:41 AM



#22
Acetophenone
Concen: 45.55 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.4	4.8	7.2	
51	40.3	32.6	49.0	
120	20.8	16.5	24.7	





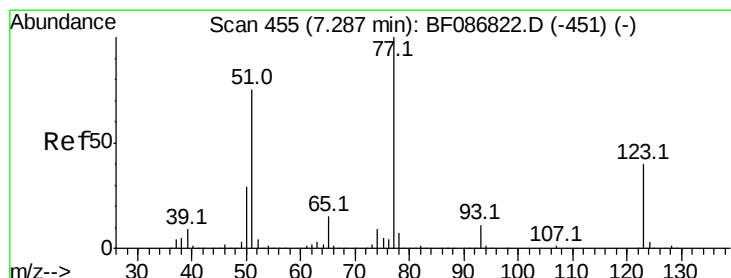
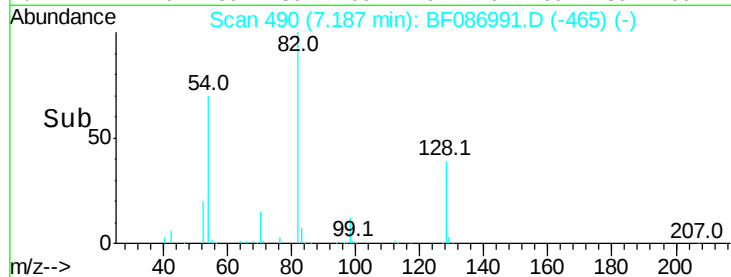
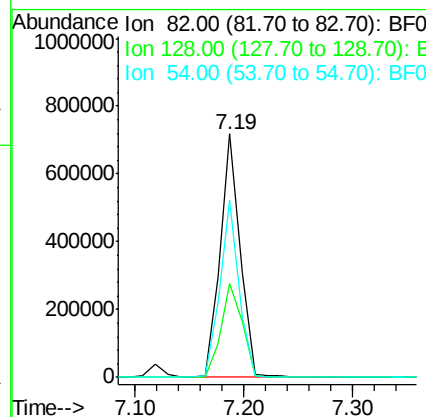
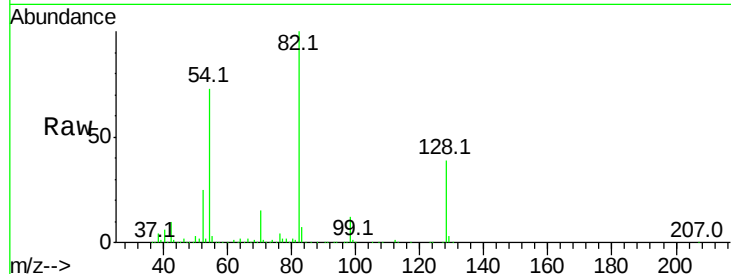
#23
Nitrobenzene-d5
Concen: 83.95 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.7	40.6	61.0#	
54	72.6	38.1	57.1#	

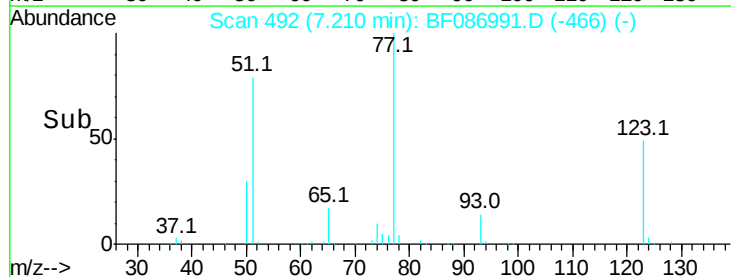
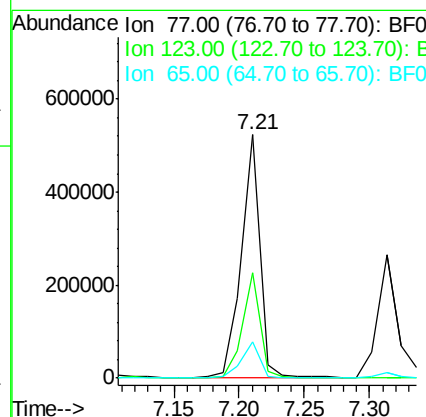
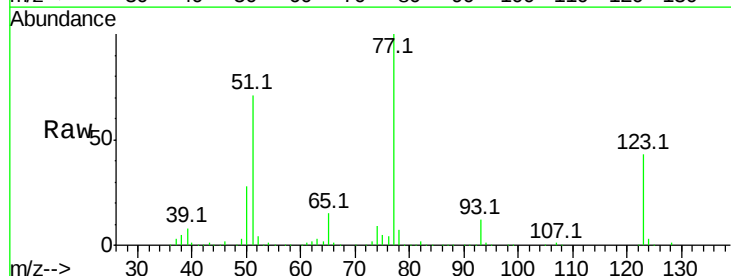
Manual Integrations
APPROVED

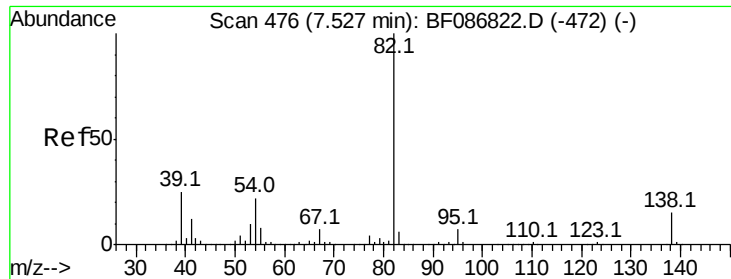
sohil
5/14/2016 10:00:41 AM



#24
Nitrobenzene
Concen: 44.67 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	43.2	33.0	49.4	
65	14.7	10.8	16.2	





#25

Isophorone

Concen: 42.61 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

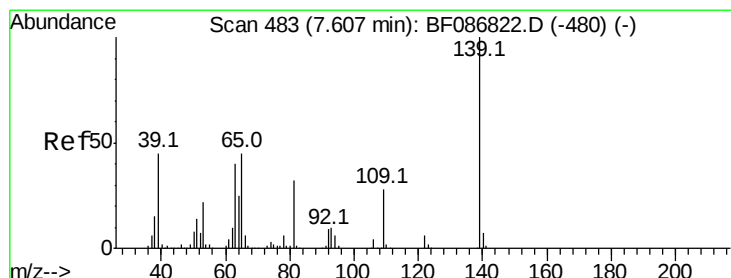
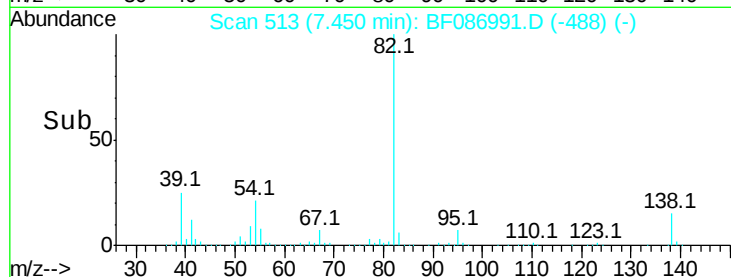
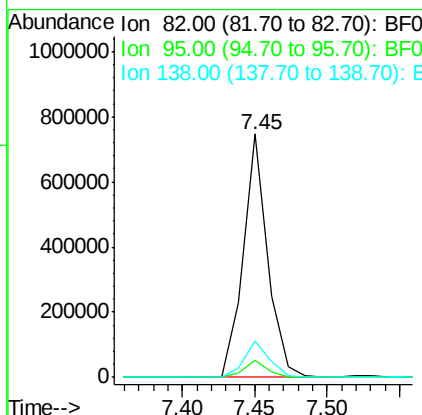
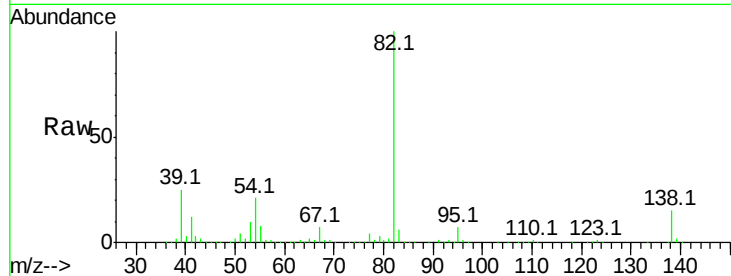
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	82	Resp:	871557
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.1	7.7
138	15.0	12.4	18.6

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#26

2-Nitrophenol

Concen: 43.19 ng

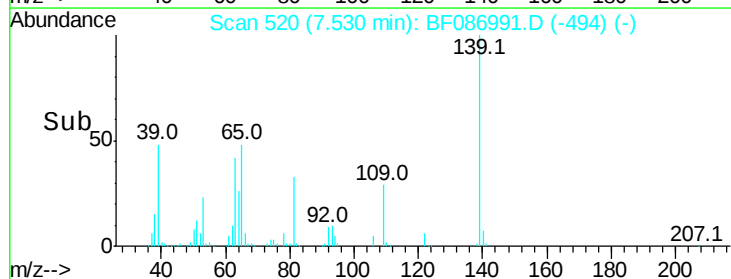
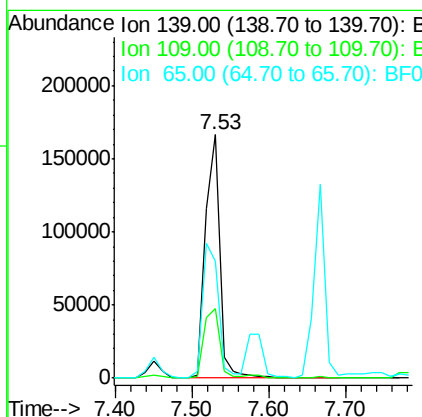
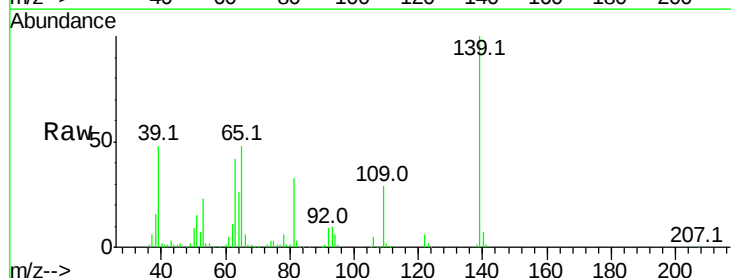
RT: 7.53 min Scan# 520

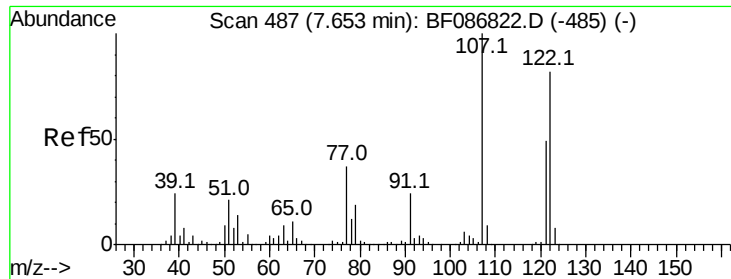
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	139	Resp:	215288
Ion Ratio	Lower	Upper	
139	100		
109	28.5	19.5	29.3
65	48.2	37.5	56.3





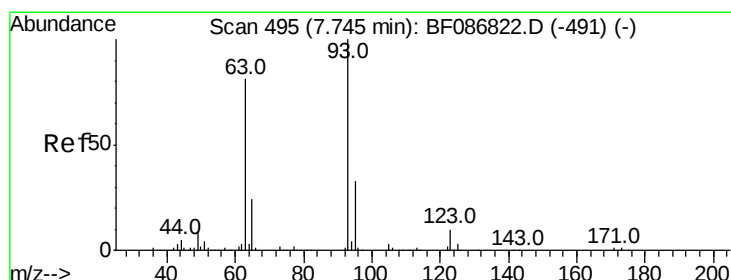
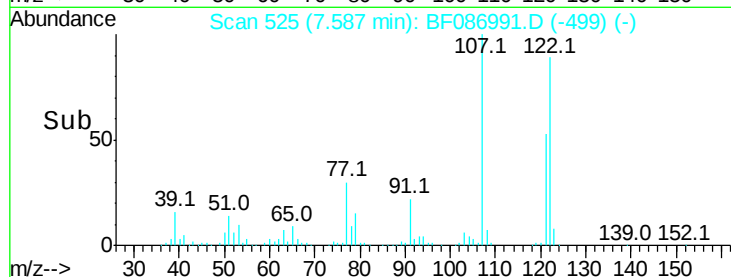
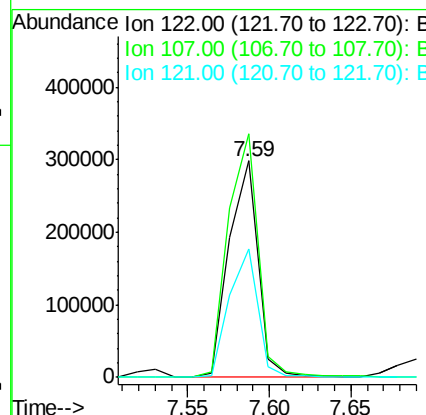
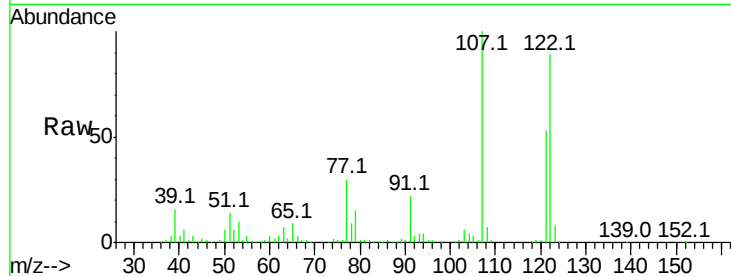
#27
2,4-Dimethylphenol
Concen: 42.90 ng
RT: 7.59 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	364292		
107	112.4	82.0	123.0	
121	59.2	46.1	69.1	

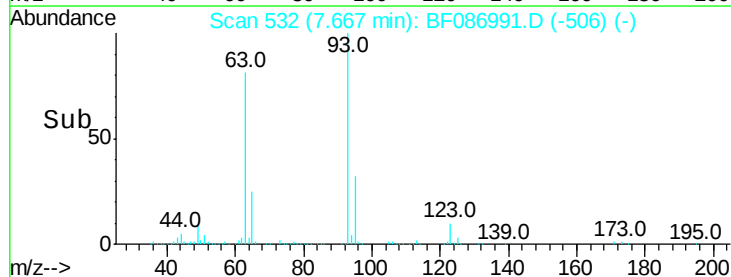
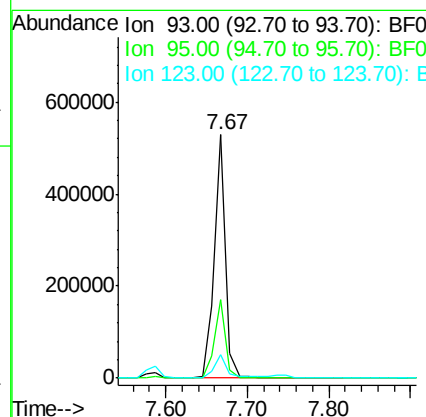
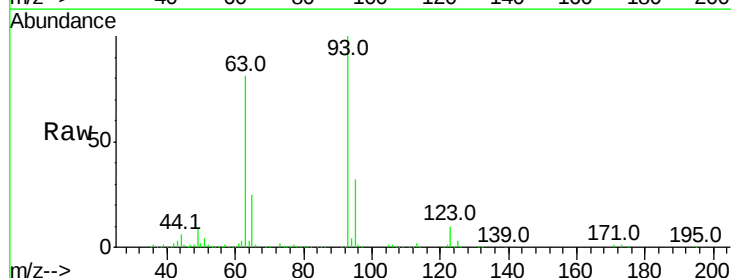
Manual Integrations
APPROVED

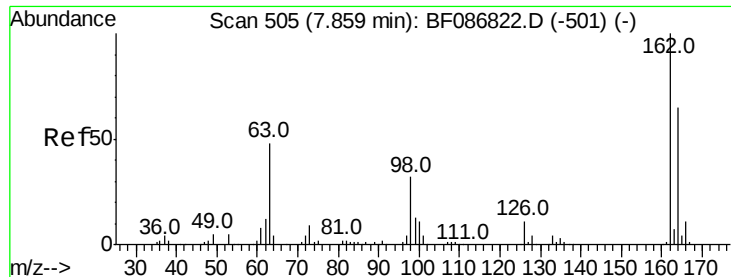
sohil
5/14/2016 10:00:41 AM



#28
bis(2-Chloroethoxy)methane
Concen: 47.21 ng
RT: 7.67 min Scan# 532
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	520809		
95	32.4	26.0	39.0	
123	9.6	9.5	14.3	





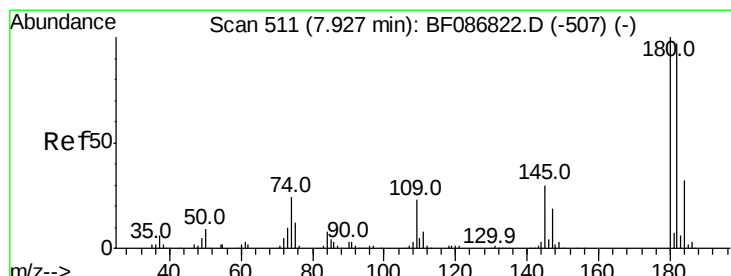
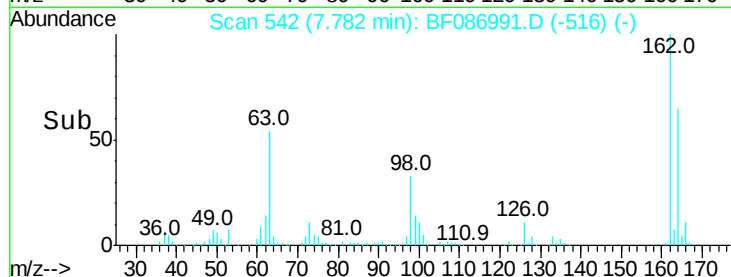
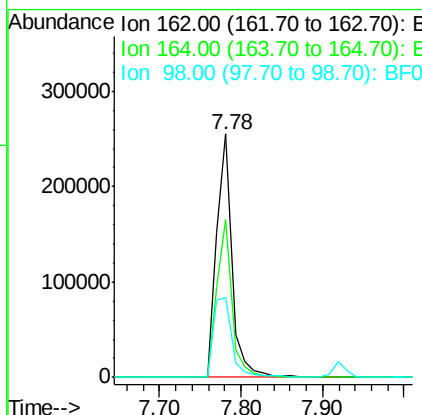
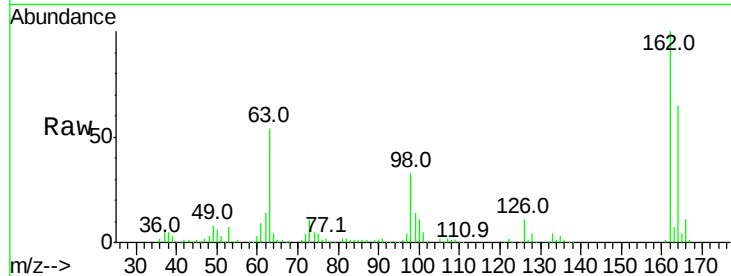
#29
 2,4-Dichlorophenol
 Concen: 44.87 ng
 RT: 7.78 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.9	42.2	82.2
98	32.7	19.0	59.0

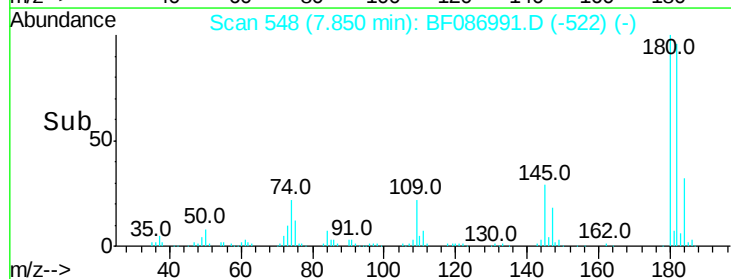
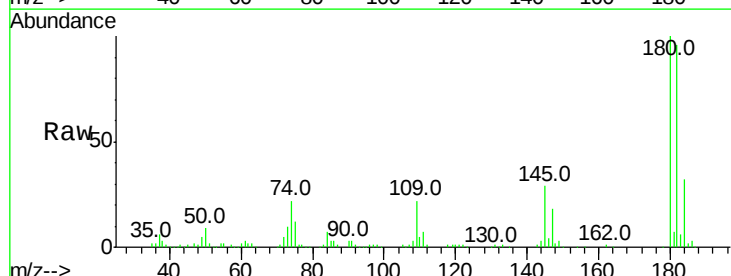
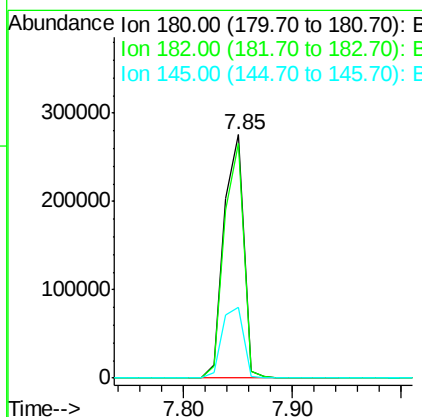
Manual Integrations
 APPROVED

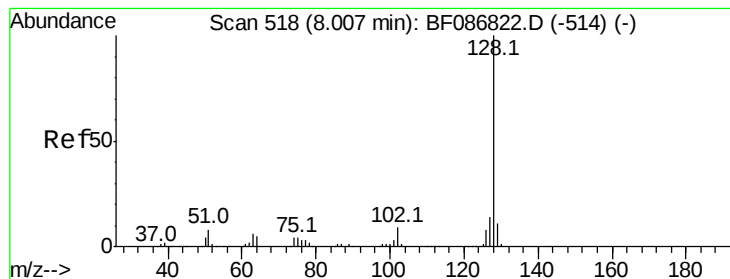
sohil
 5/14/2016 10:00:41 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 41.51 ng
 RT: 7.85 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.5	78.0	117.0
145	29.0	24.2	36.2





#31

Naphthalene

Concen: 40.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:128 Resp: 1108853

Ion Ratio Lower Upper

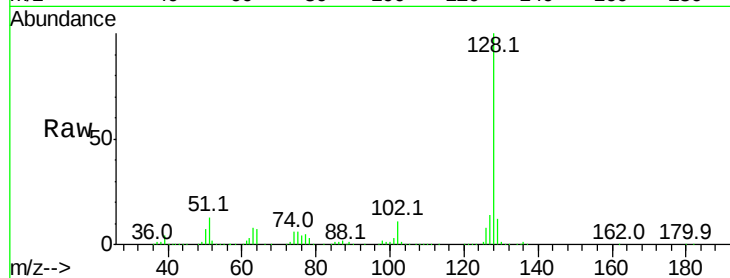
128 100

129 11.8 8.6 13.0

127 13.7 10.8 16.2

Manual Integrations
APPROVED

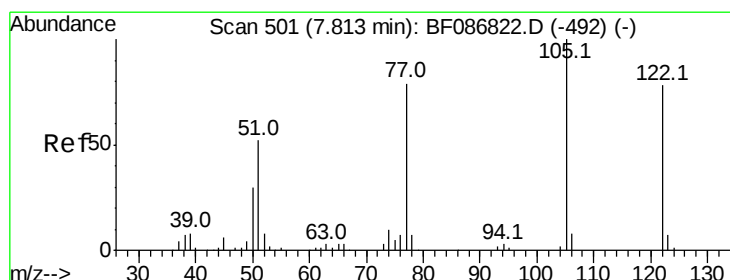
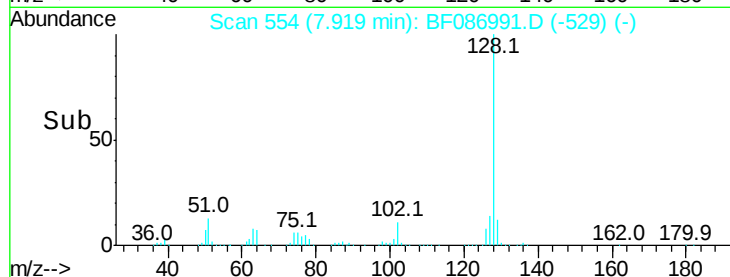
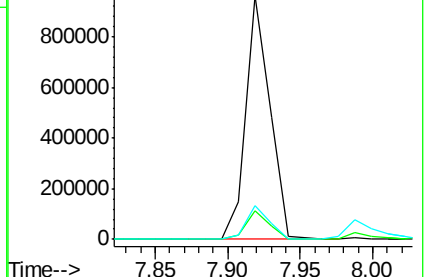
sohil
5/14/2016 10:00:41 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 47.80 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

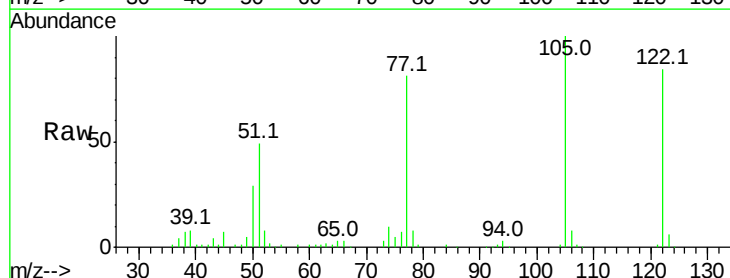
Tgt Ion:122 Resp: 238369

Ion Ratio Lower Upper

122 100

105 119.4 92.6 132.6

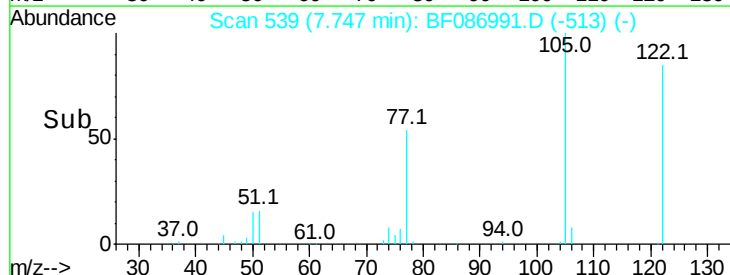
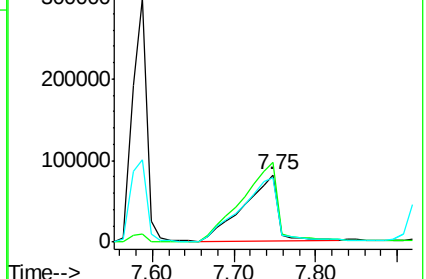
77 96.8 60.0 100.0

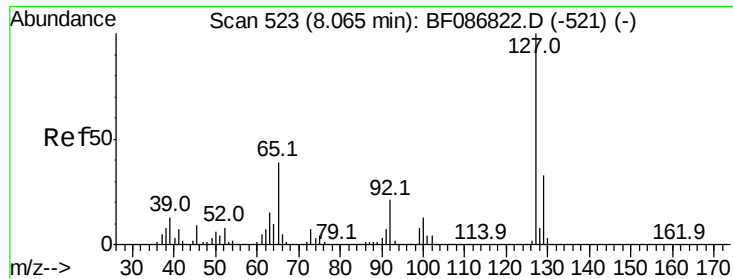


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





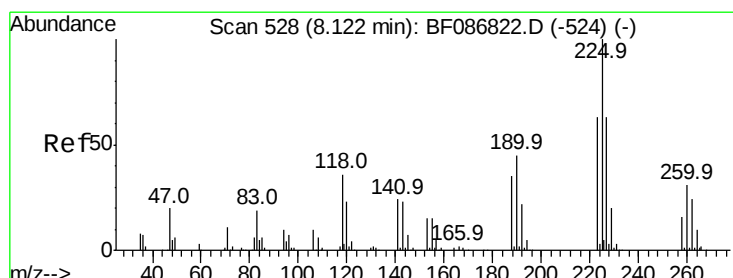
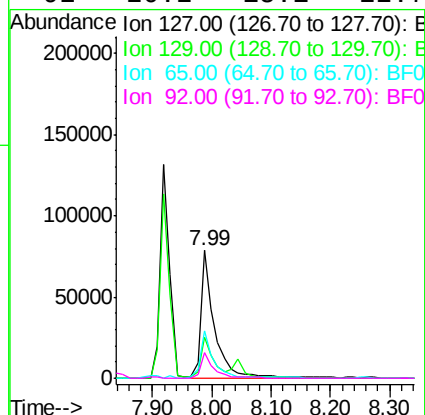
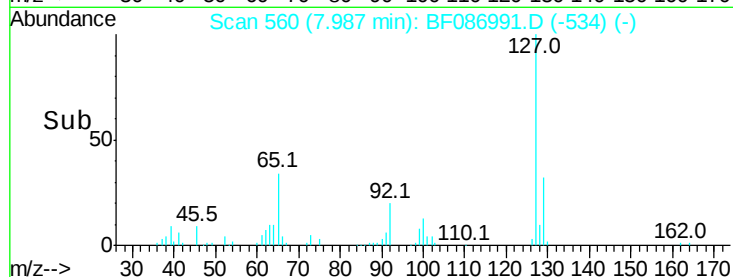
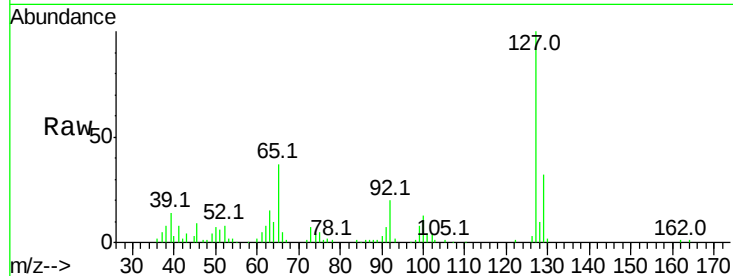
#33
4-Chloroaniline
Concen: 11.87 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	32.4	26.2	39.4
65	37.3	23.0	34.4
92	20.2	15.1	22.7

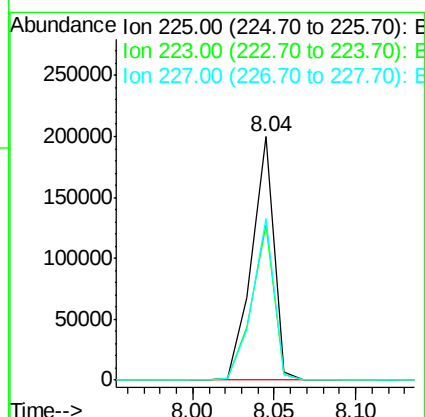
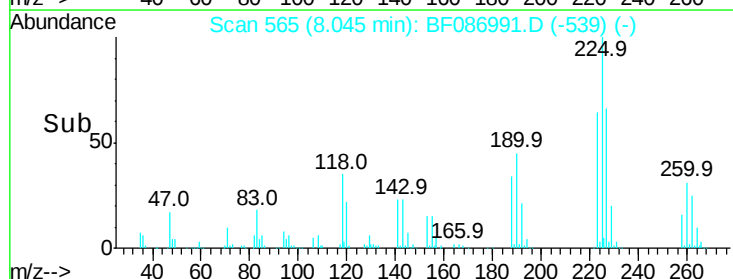
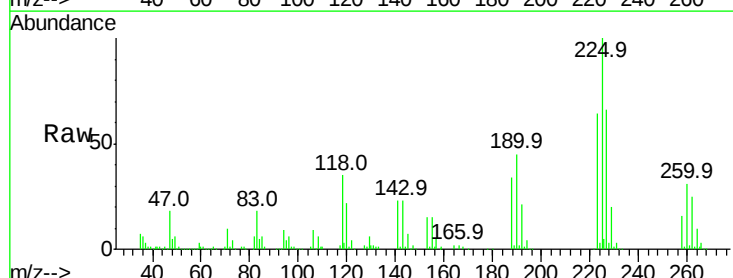
Manual Integrations
APPROVED

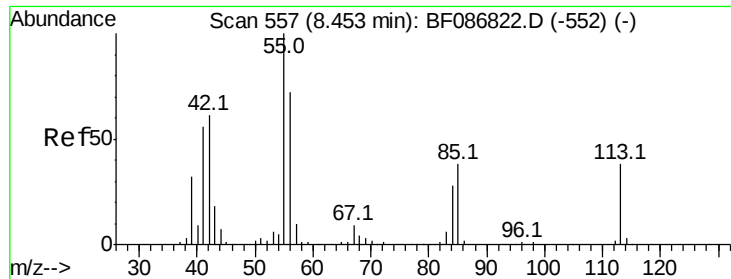
sohil
5/14/2016 10:00:41 AM



#34
Hexachlorobutadiene
Concen: 39.07 ng
RT: 8.04 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.9	51.5	77.3
227	66.3	52.2	78.2





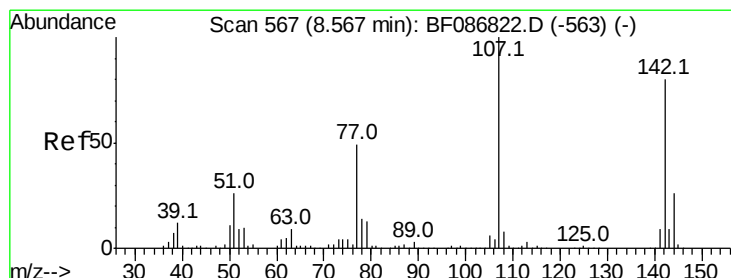
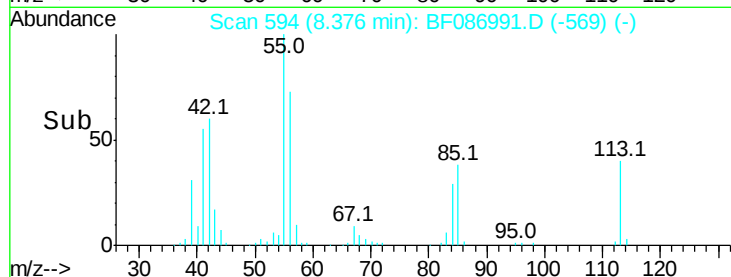
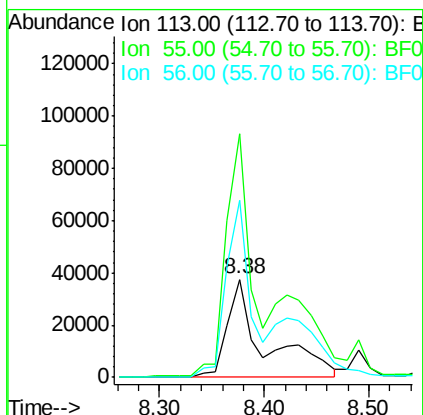
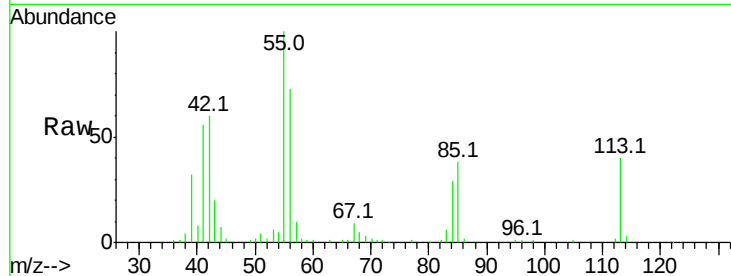
#35
 Caprolactam
 Concen: 36.64 ng/ml
 RT: 8.38 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	249.0	162.0	202.0#
56	181.7	115.3	155.3#

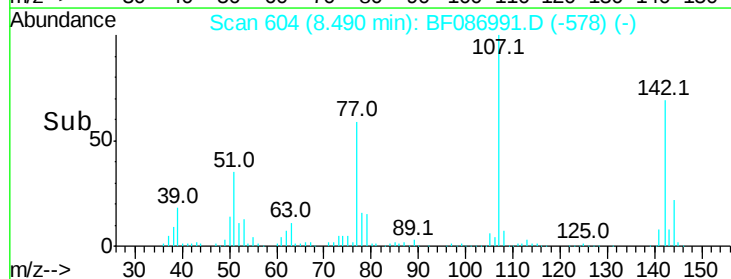
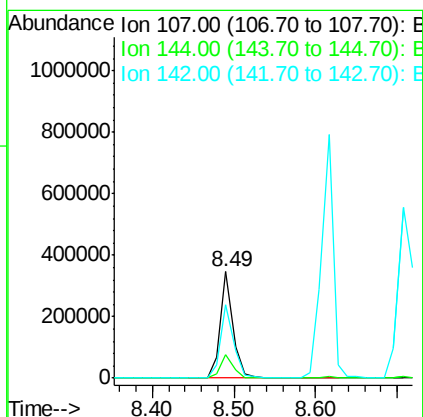
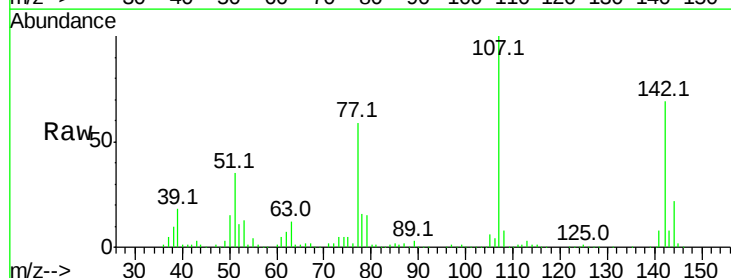
Manual Integrations
 APPROVED

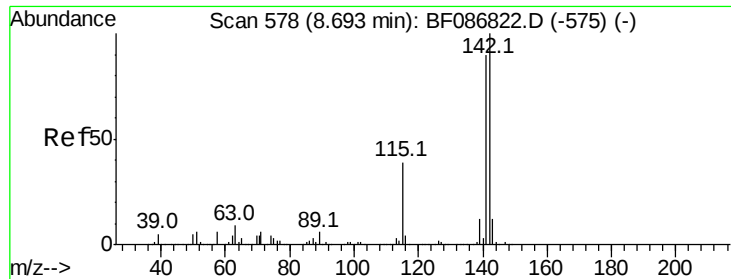
sohil
 5/14/2016 10:00:41 AM



#36
 4-Chloro-3-methylphenol
 Concen: 41.67 ng/ml
 RT: 8.49 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.2	20.7	31.1
142	68.6	63.2	94.8





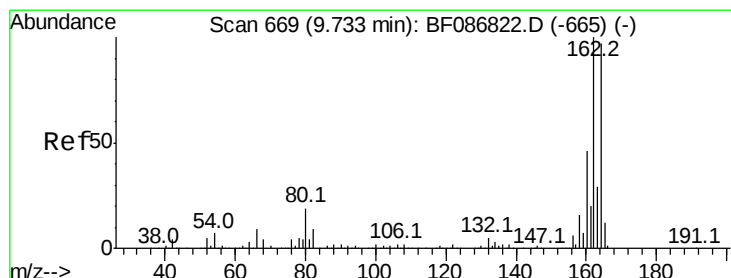
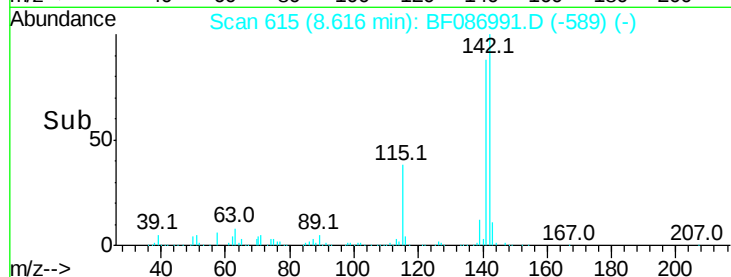
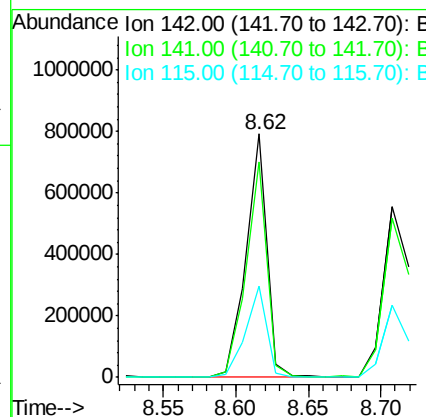
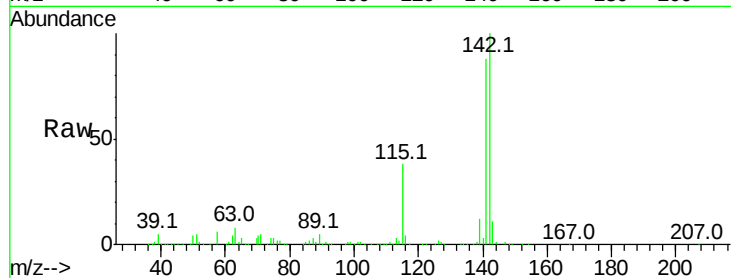
#37
2-Methylnaphthalene
Concen: 48.61 ng
RT: 8.62 min Scan# 615
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion:	142	Resp:	787881
Ion Ratio	Lower	Upper	
142	100		
141	88.4	71.0	106.6
115	37.7	26.6	39.8

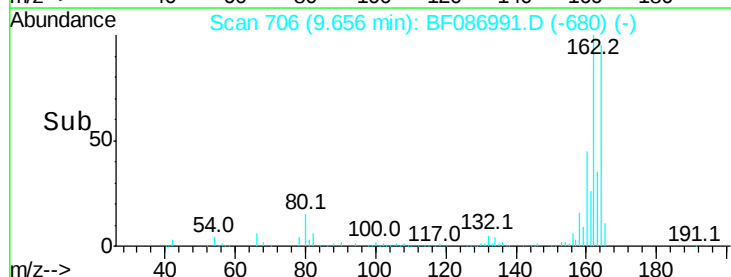
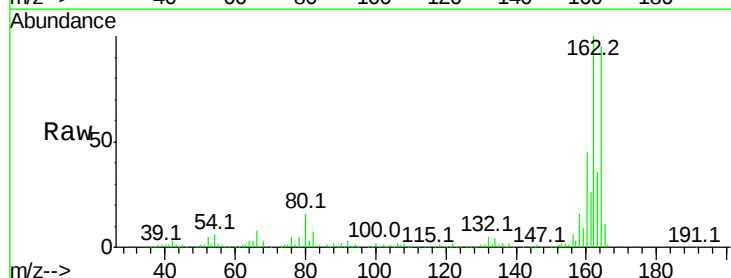
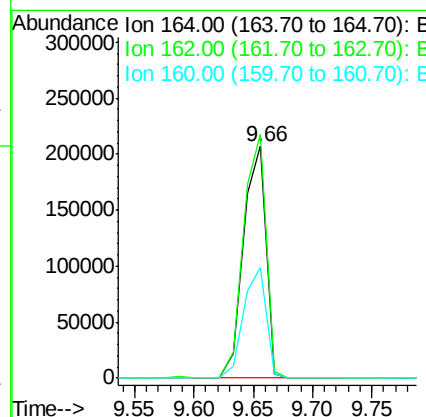
Manual Integrations
APPROVED

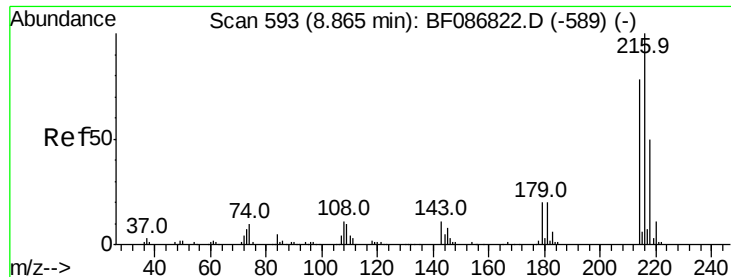
sohil
5/14/2016 10:00:41 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion:	164	Resp:	274970
Ion Ratio	Lower	Upper	
164	100		
162	105.1	82.8	124.2
160	47.8	36.9	55.3





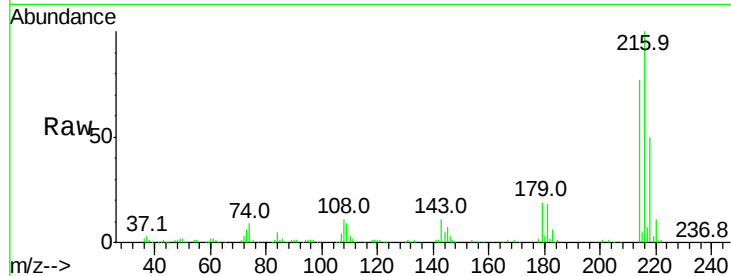
#39
1,2,4,5-Tetrachlorobenzene
Concen: 39.90 ng
RT: 8.79 min Scan# 630
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

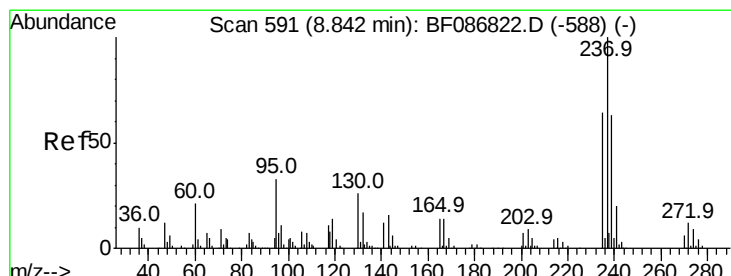
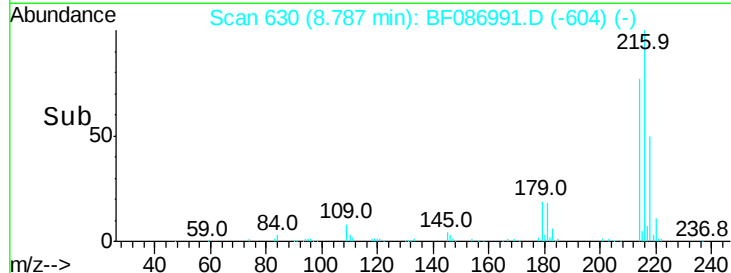
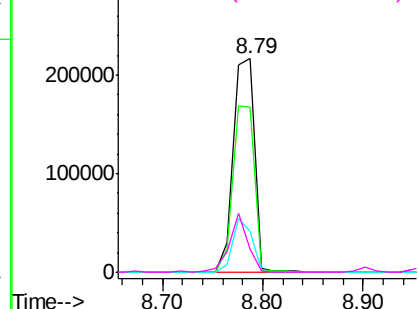
Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	78.7	62.6	93.8
179	22.8	18.2	27.4
108	24.3	17.5	26.3

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM

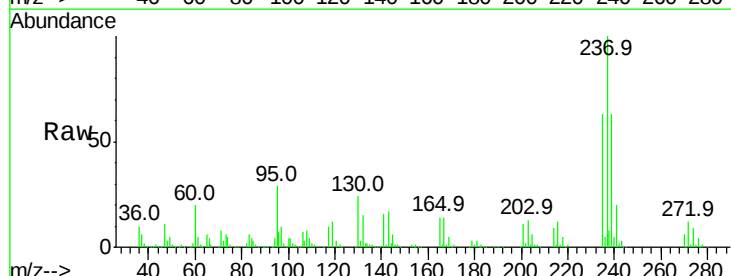


Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E

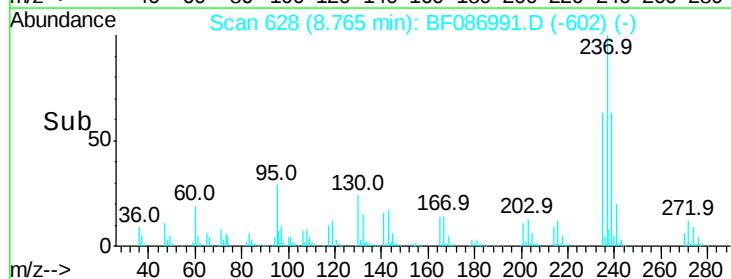
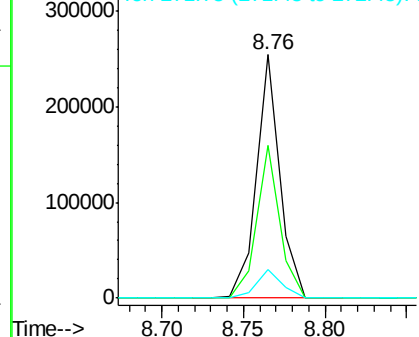


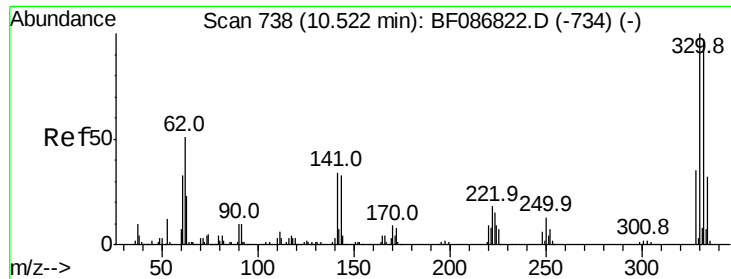
#40
Hexachlorocyclopentadiene
Concen: 66.44 ng
RT: 8.76 min Scan# 628
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	63.0	47.2	87.2
272	11.5	0.0	31.1



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





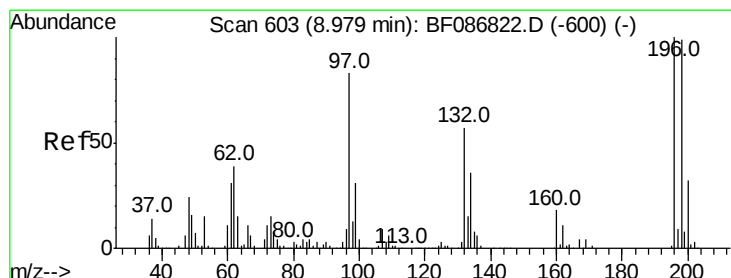
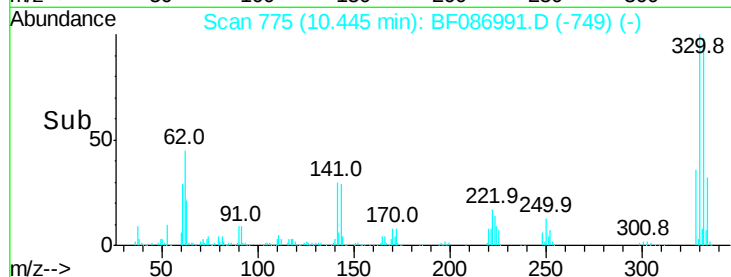
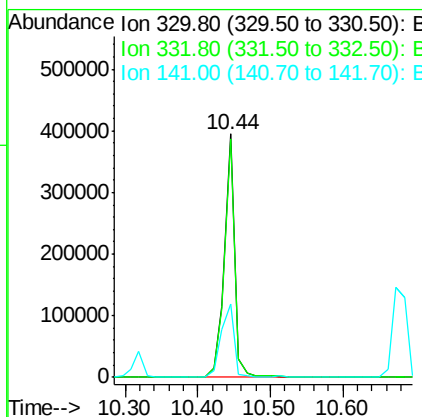
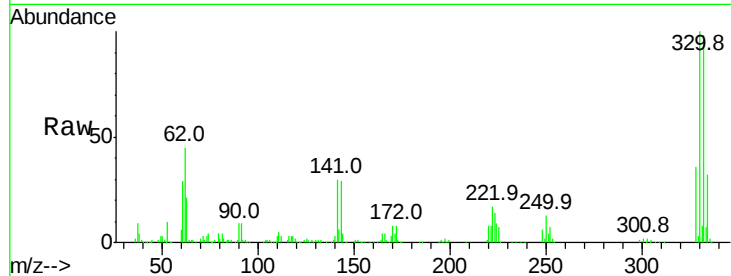
#41
 2,4,6-Tribromophenol
 Concen: 135.99 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Instrument :
 BNA_F
 ClientSampleID :
 HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	395865		
332	98.3	79.0	118.4	
141	37.8	31.2	46.8	

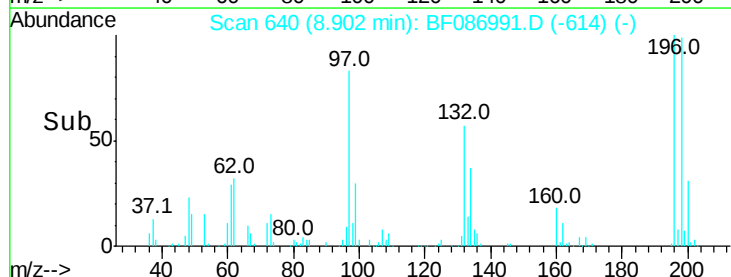
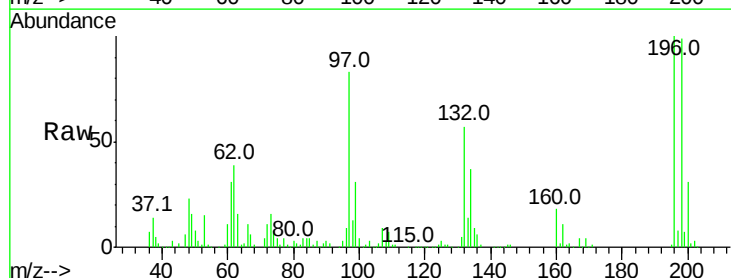
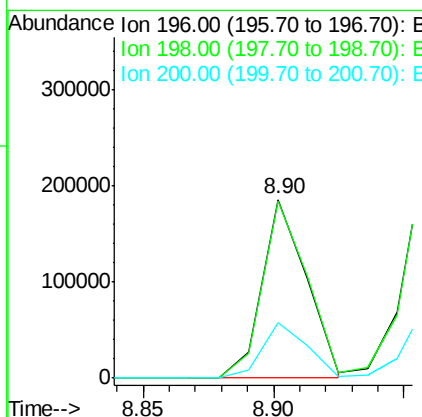
Manual Integrations
 APPROVED

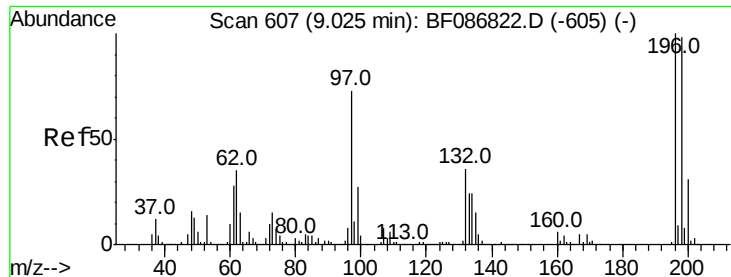
sohil
 5/14/2016 10:00:41 AM



#42
 2,4,6-Trichlorophenol
 Concen: 41.36 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	221131		
198	99.3	74.7	112.1	
200	31.4	23.8	35.6	





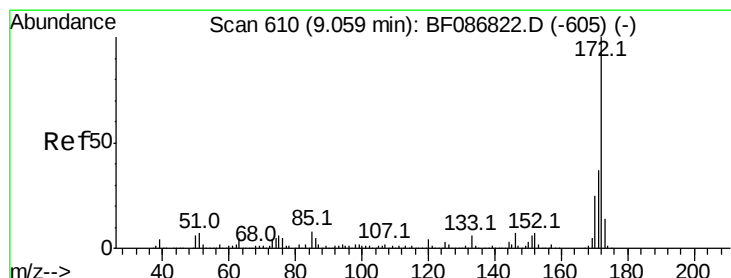
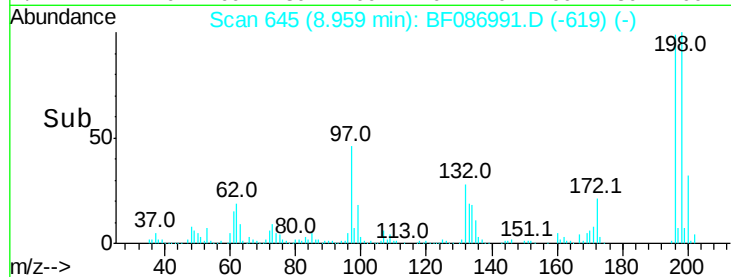
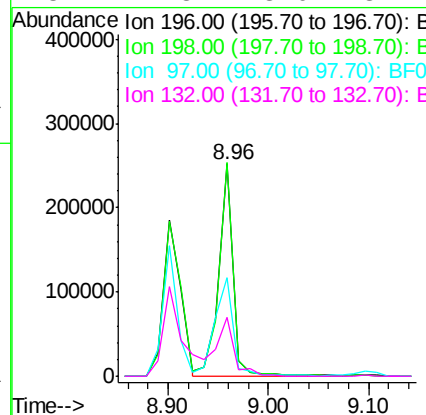
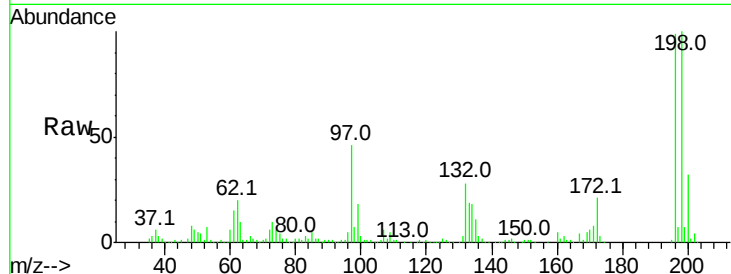
#43
 2,4,5-Trichlorophenol
 Concen: 44.63 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Tot Ion:	196	Resp:	246759
Ion Ratio	Lower	Upper	
196	100		
198	100.6	77.5	116.3
97	46.6	34.8	52.2
132	27.8	23.0	34.4

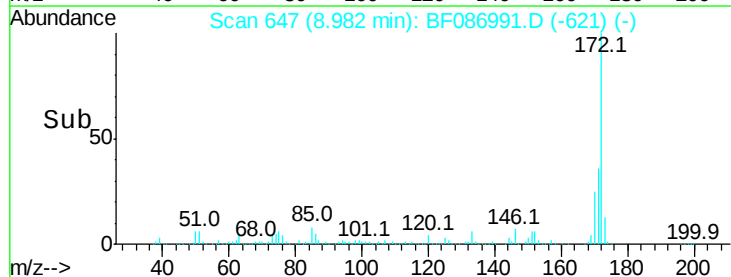
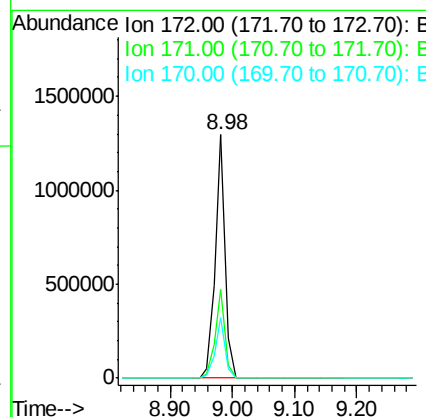
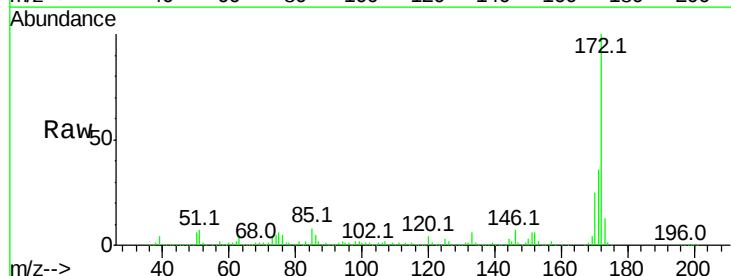
Manual Integrations
 APPROVED

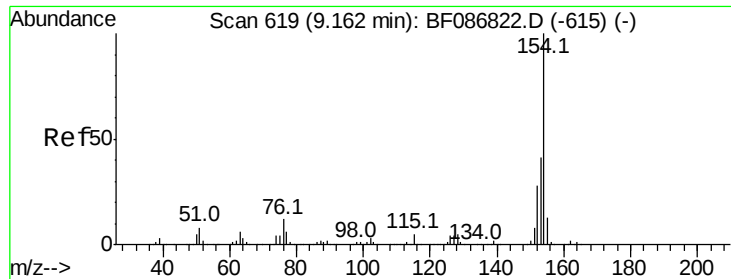
sohil
 5/14/2016 10:00:41 AM



#44
 2-Fluorobiphenyl
 Concen: 86.86 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion:	172	Resp:	1421171
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.0	43.6
170	24.6	19.8	29.8





#45

1,1'-Biphenyl

Concen: 45.32 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

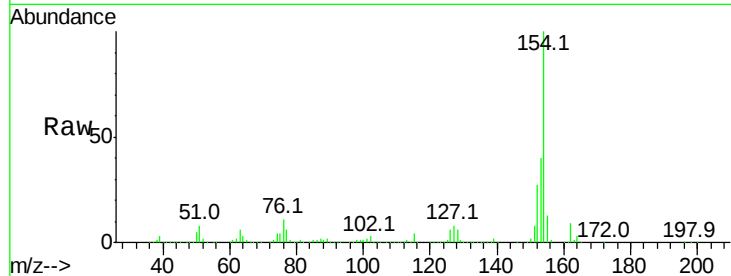
ClientSampleId :

HSR-WC-43-050616MSD

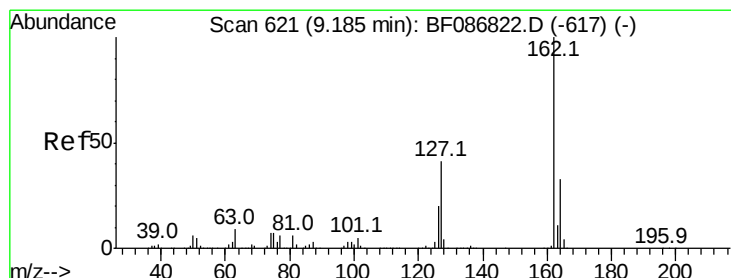
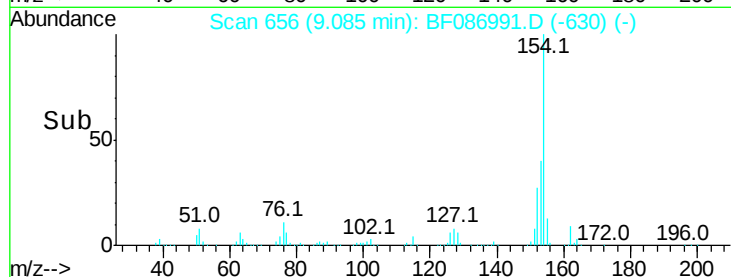
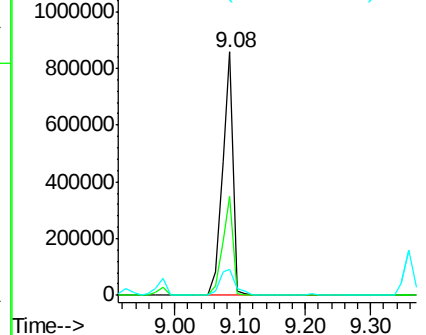
Tot Ion:	154	Resp:	991258
Ion Ratio		Lower	Upper
154	100		
153	40.4	20.3	60.3
76	10.7	0.0	30.2

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



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: 42.61 ng

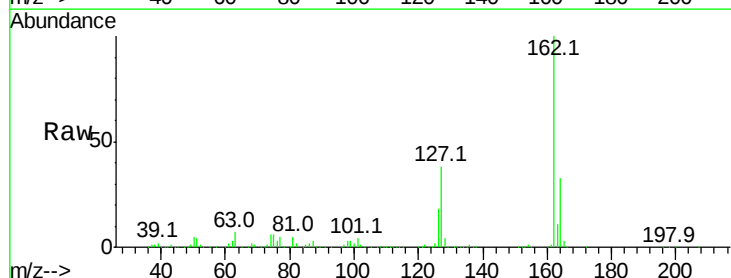
RT: 9.11 min Scan# 658

Delta R.T. -0.00 min

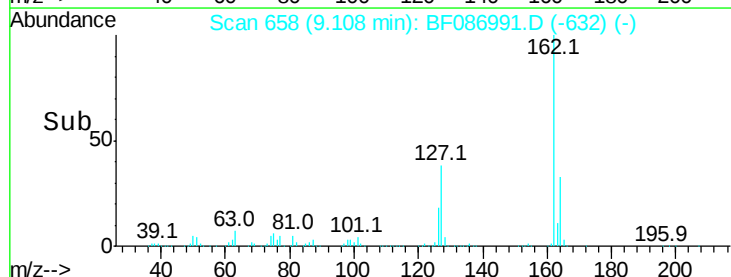
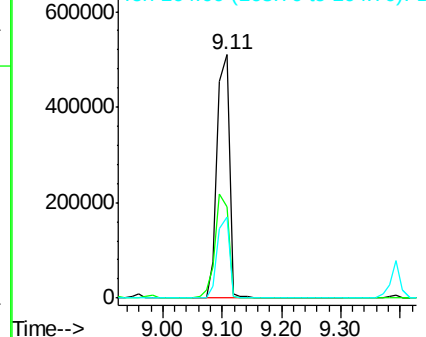
Lab File: BF086991.D

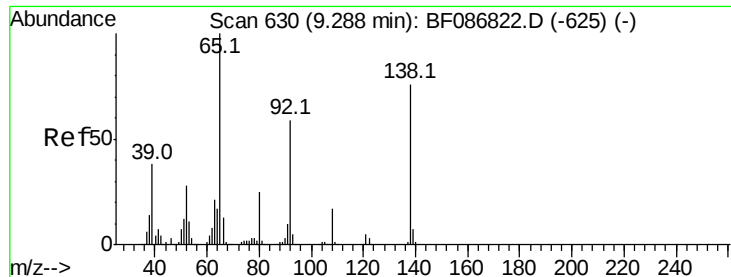
Acq: 14 May 2016 1:15

Tgt Ion:	162	Resp:	730134
Ion Ratio		Lower	Upper
162	100		
127	37.7	31.8	47.6
164	33.4	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: 44.86 ng

RT: 9.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion: 65 Resp: 280948

Ion Ratio Lower Upper

65 100

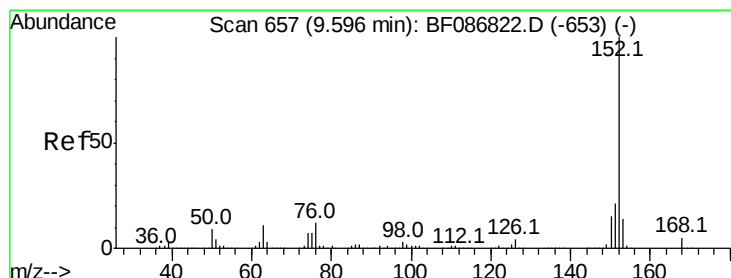
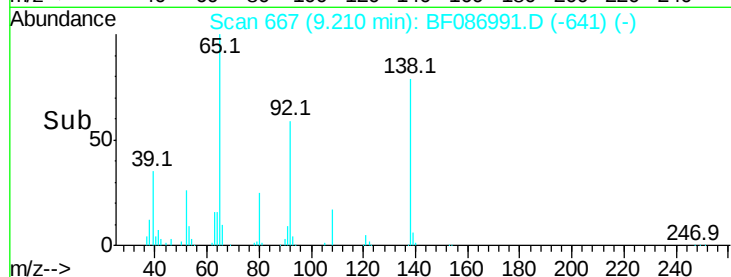
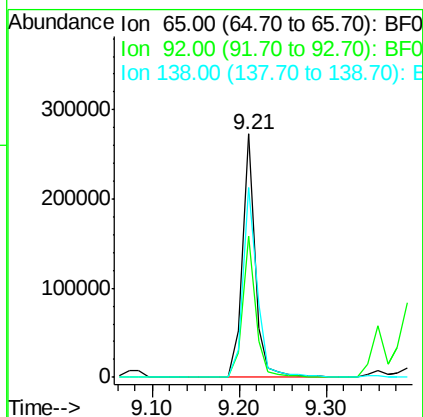
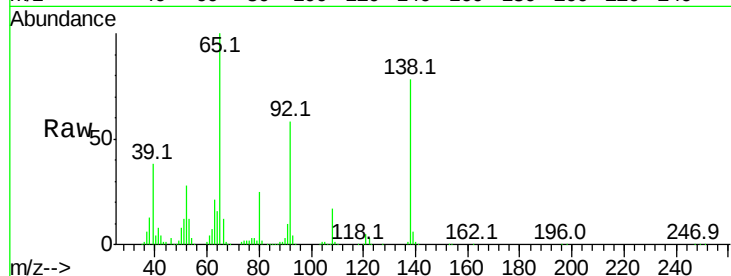
92 58.0 57.4 86.2

138 77.8 90.1 135.1#

Manual Integrations
APPROVED

sohil

5/14/2016 10:00:41 AM



#48

Acenaphthylene

Concen: 44.32 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

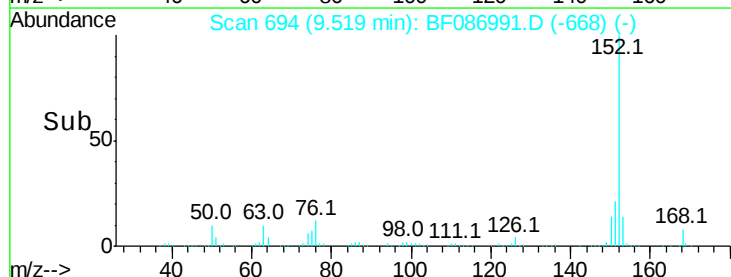
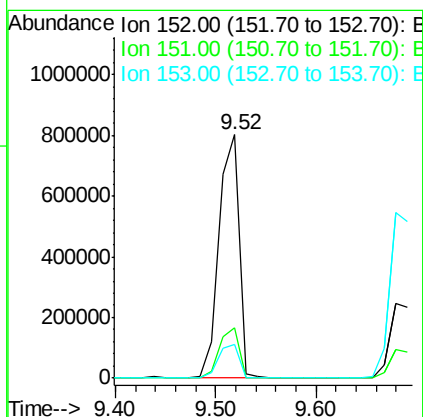
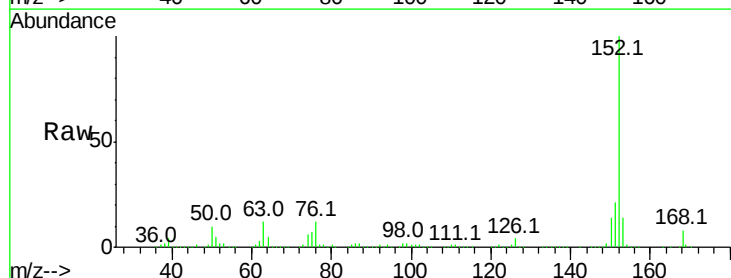
Tgt Ion: 152 Resp: 1116963

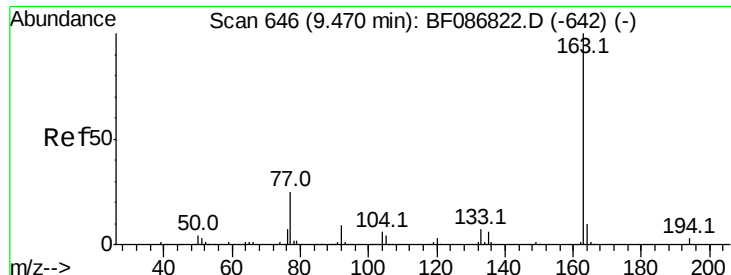
Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

153 13.6 10.9 16.3





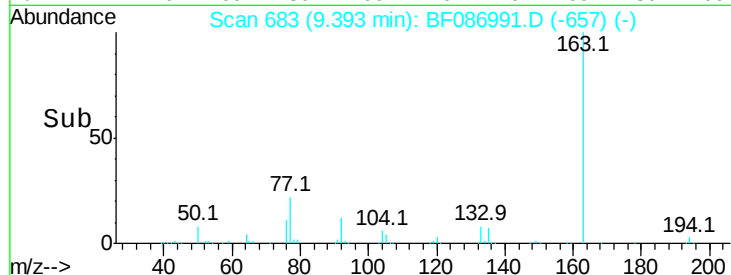
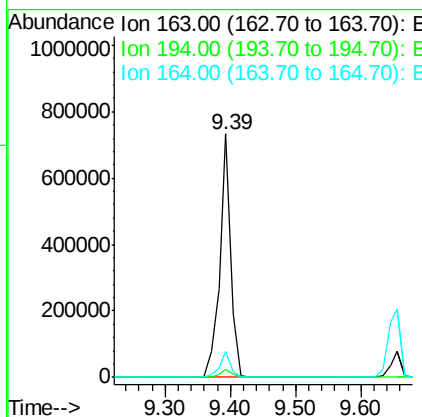
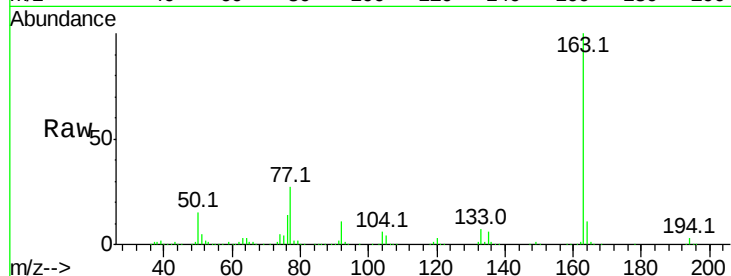
#49
Dimethylphthalate
Concen: 41.93 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	879597		
194	3.1	2.6	4.0	
164	10.6	8.2	12.4	

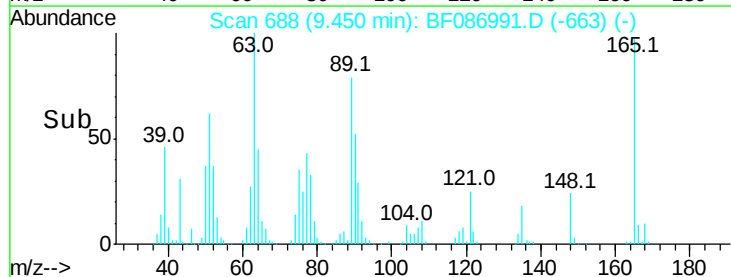
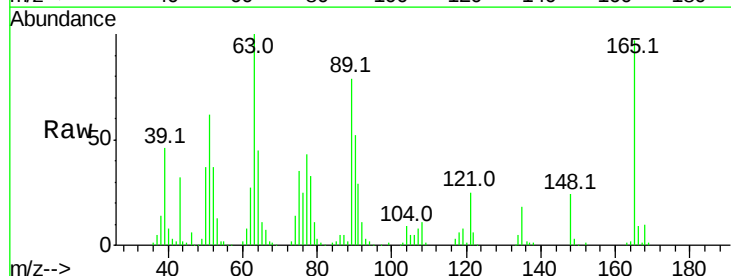
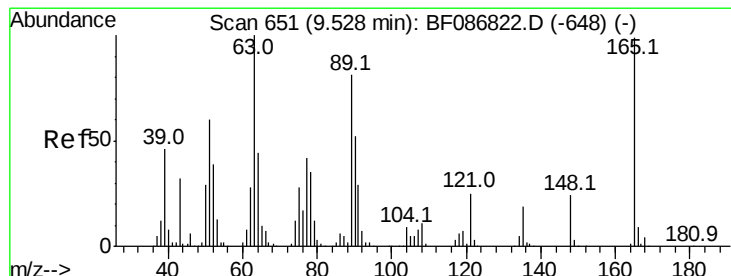
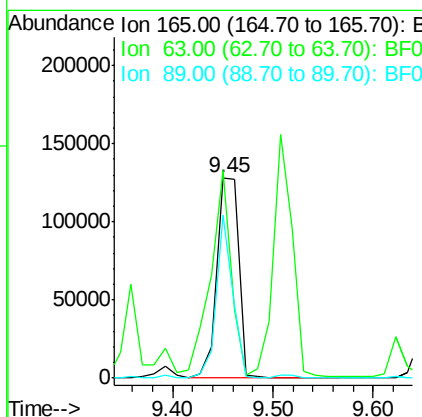
Manual Integrations
APPROVED

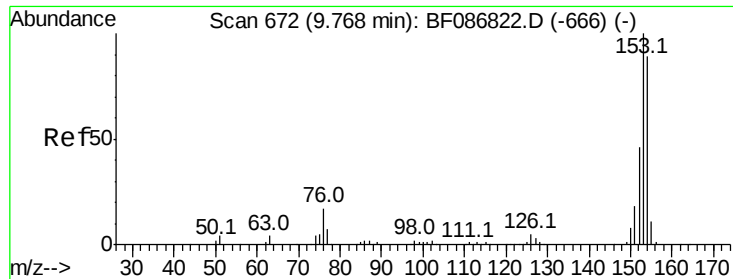
sohil
5/14/2016 10:00:41 AM



#50
2,6-Dinitrotoluene
Concen: 43.92 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	193919		
63	103.5	51.8	77.8#	
89	81.5	50.7	76.1#	





#51

Acenaphthene

Concen: 45.08 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

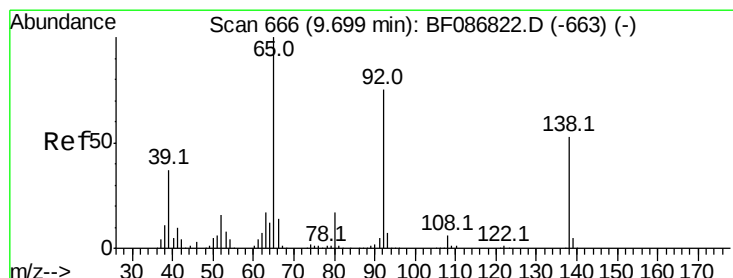
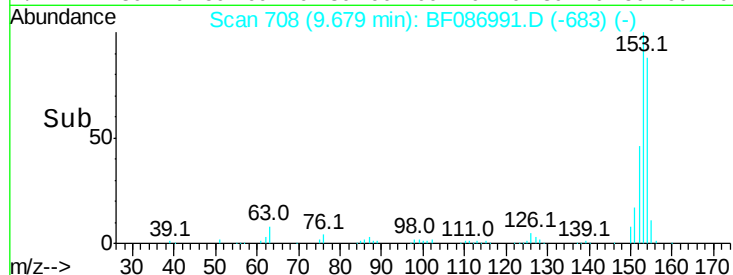
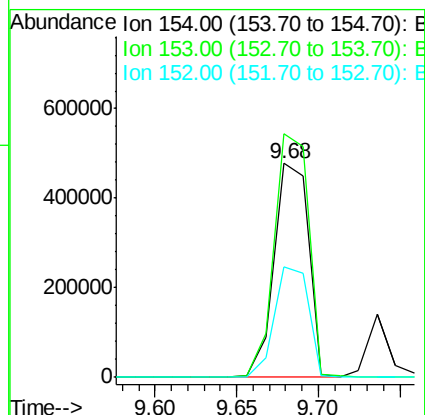
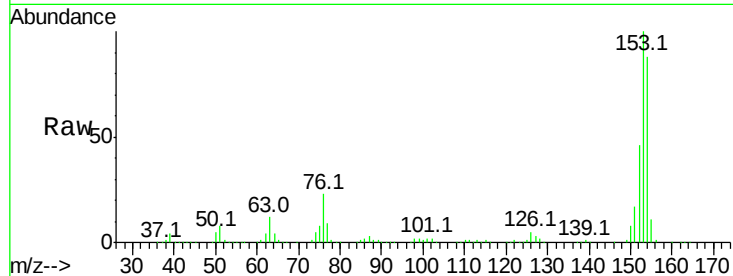
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	154	Resp:	706809
Ion Ratio	Lower	Upper	
154	100		
153	113.9	89.8	134.6
152	51.9	43.4	65.0

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#52

3-Nitroaniline

Concen: 22.97 ng

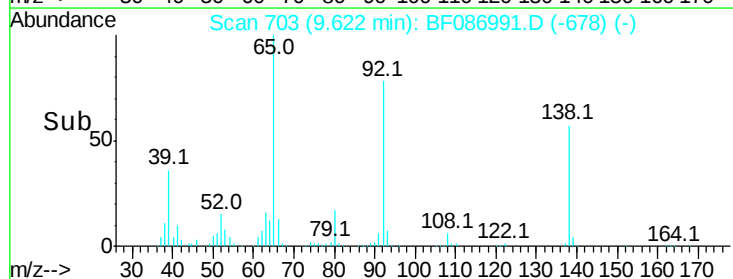
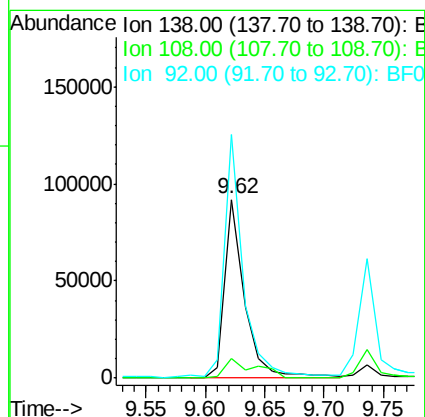
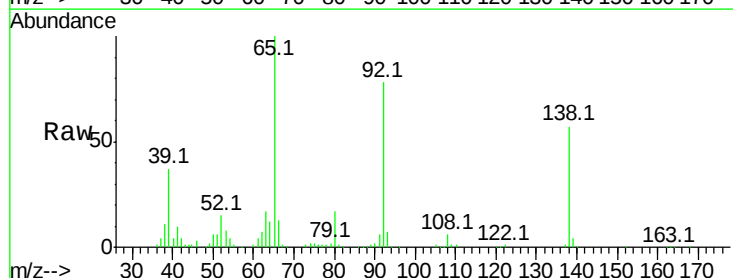
RT: 9.62 min Scan# 703

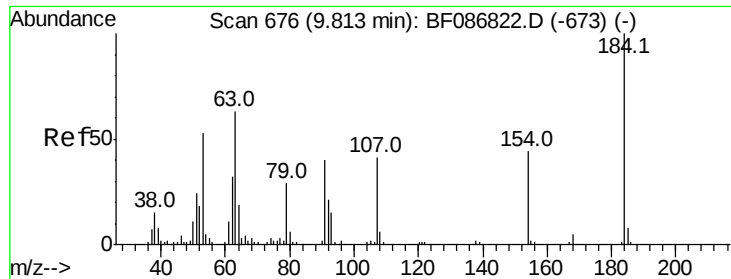
Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	138	Resp:	106754
Ion Ratio	Lower	Upper	
138	100		
108	11.2	7.8	11.6
92	136.2	87.8	131.8#





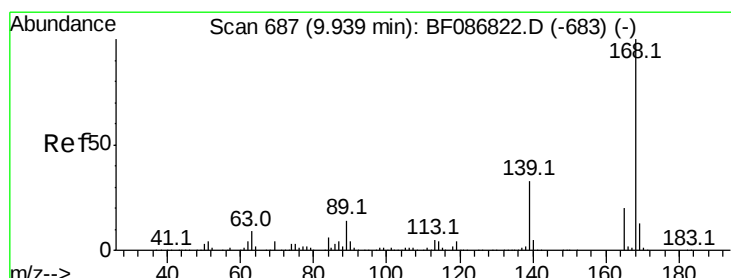
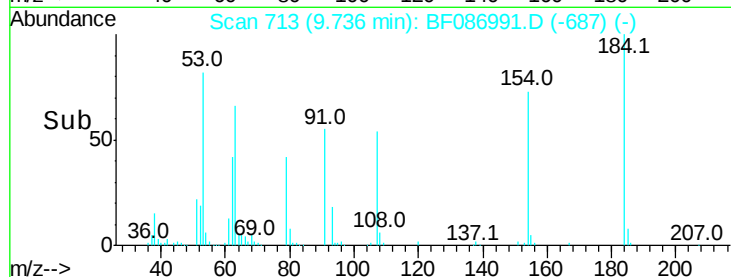
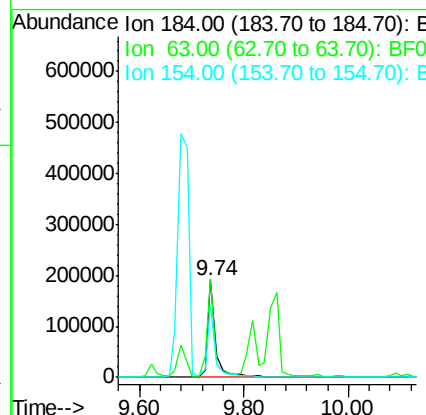
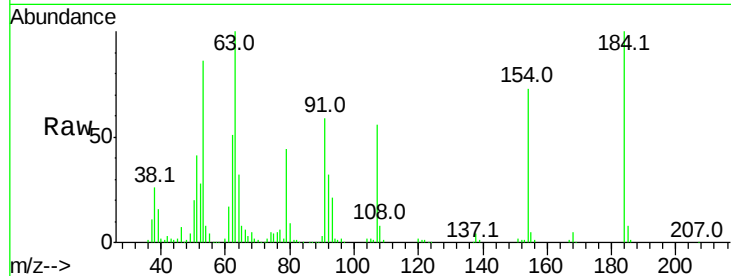
#53
2,4-Dinitrophenol
Concen: 90.89 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	100.3	55.8	83.8#	
154	73.3	62.4	93.6	

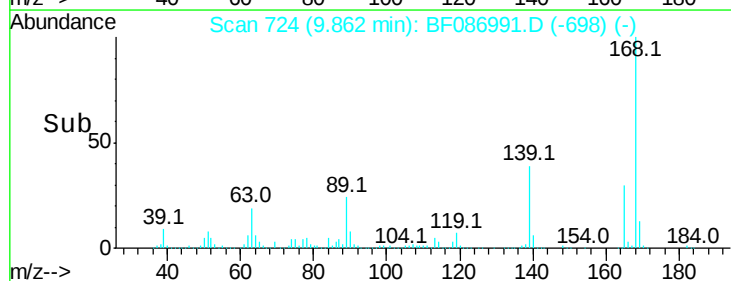
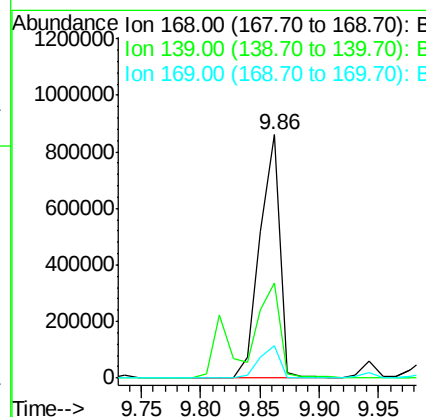
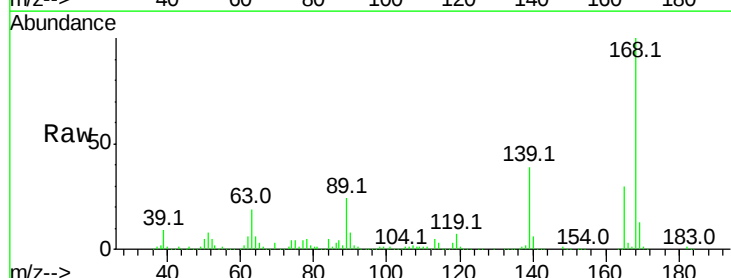
Manual Integrations
APPROVED

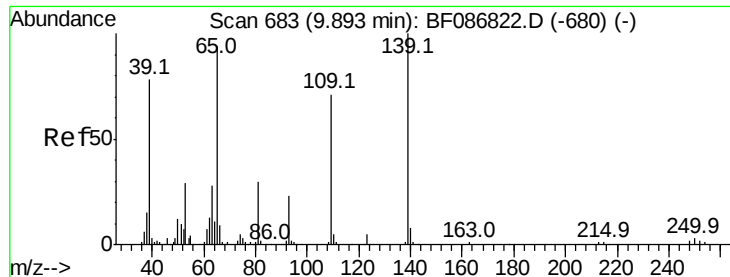
sohil
5/14/2016 10:00:41 AM



#54
Dibenzofuran
Concen: 50.52 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.2	31.4	47.0	
169	13.1	10.7	16.1	





#55

4-Nitrophenol

Concen: 80.66 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

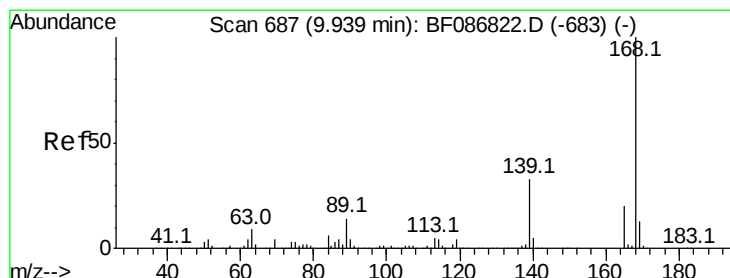
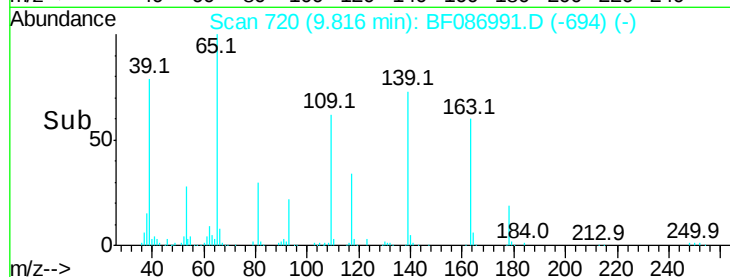
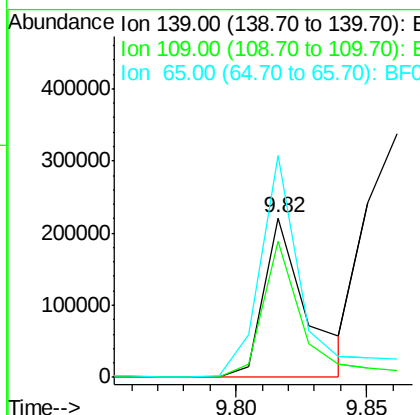
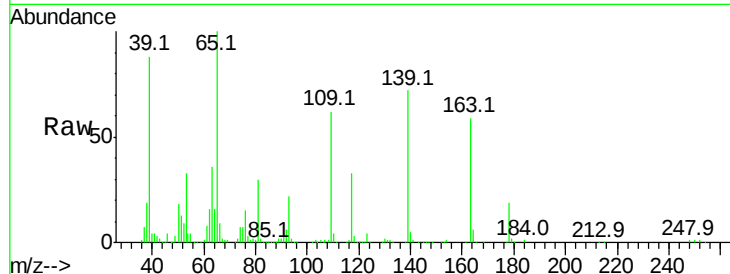
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	139	Resp:	250116
Ion Ratio	Lower	Upper	
139	100		
109	85.4	36.9	76.9#
65	138.7	64.0	104.0#

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#56

2,4-Dinitrotoluene

Concen: 48.55 ng

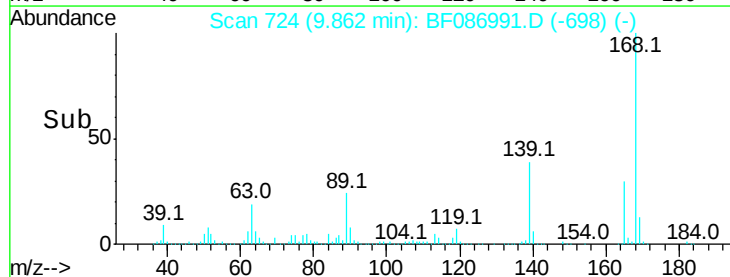
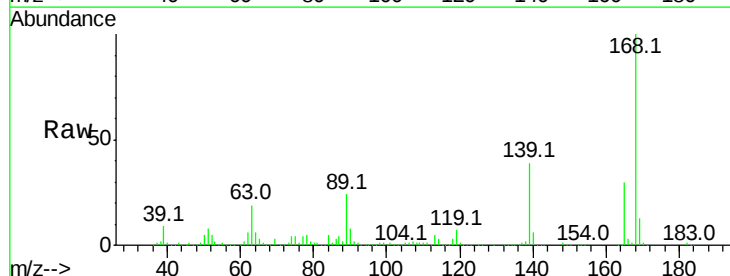
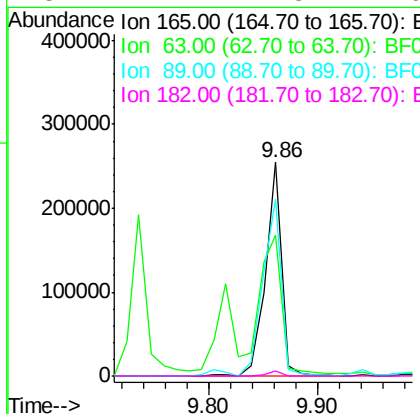
RT: 9.86 min Scan# 724

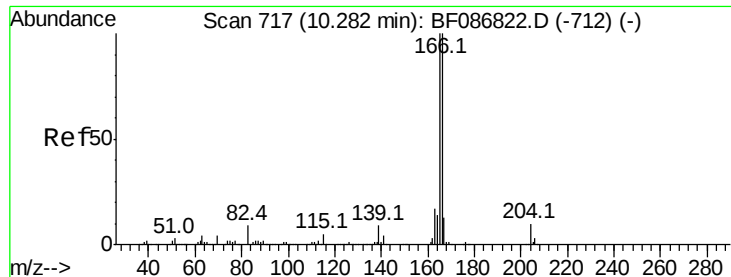
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	165	Resp:	265234
Ion Ratio	Lower	Upper	
165	100		
63	65.7	44.3	66.5
89	82.6	70.0	105.0
182	2.4	1.8	2.6





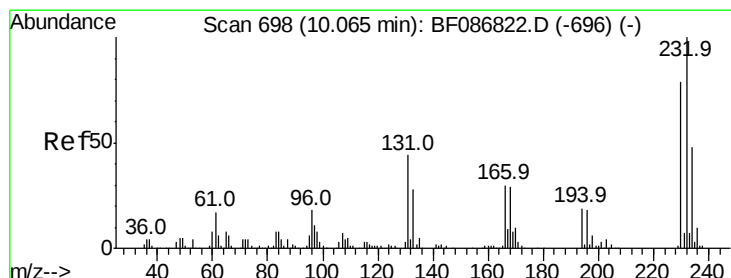
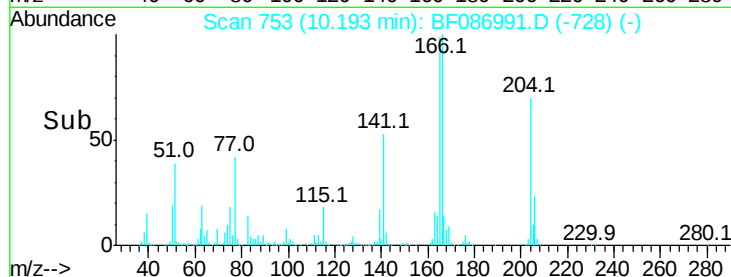
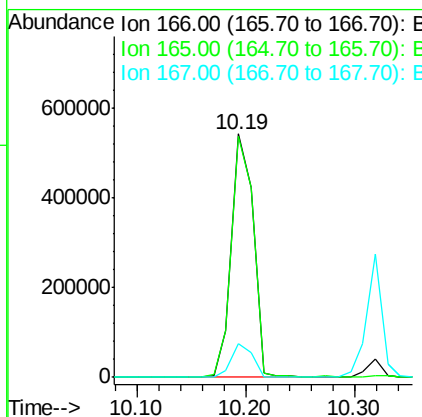
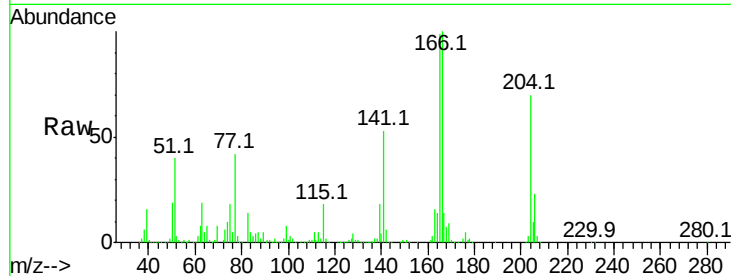
#57
 Fluorene
 Concen: 43.86 ng
 RT: 10.19 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.1	79.0	118.6	
167	14.1	10.6	15.8	

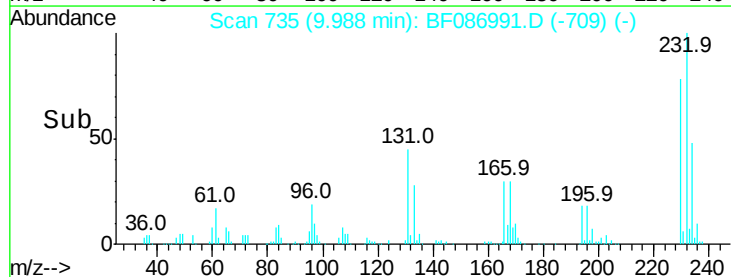
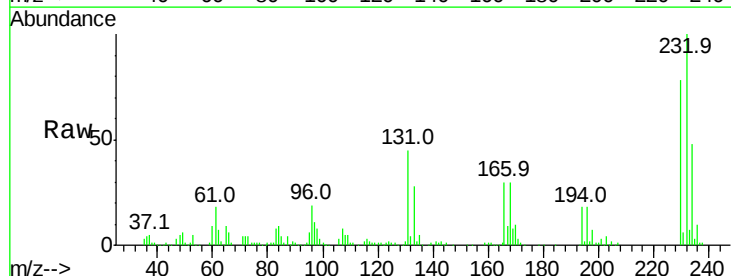
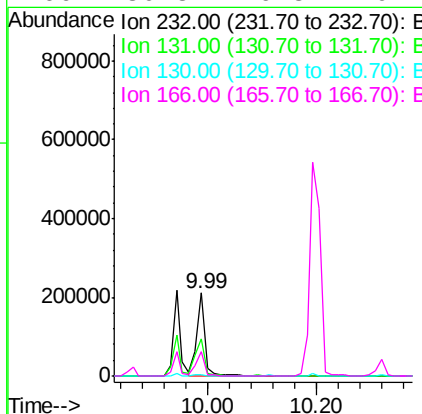
Manual Integrations
 APPROVED

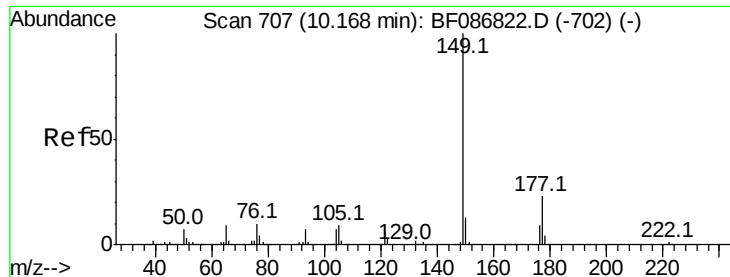
sohil
 5/14/2016 10:00:41 AM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 51.87 ng
 RT: 9.99 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	51.1	41.9	62.9	
130	2.6	2.2	3.4	
166	30.8	26.8	40.2	





#59

Diethylphthalate

Concen: 42.74 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

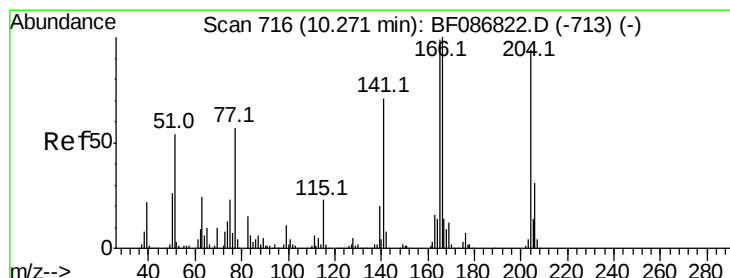
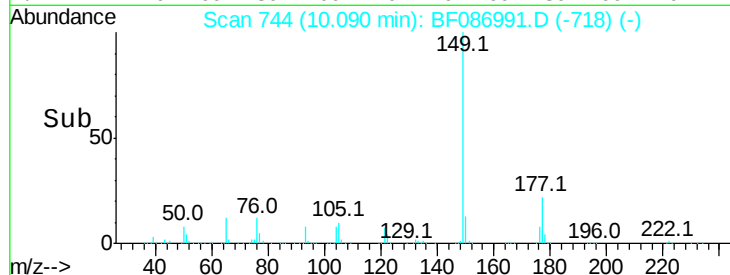
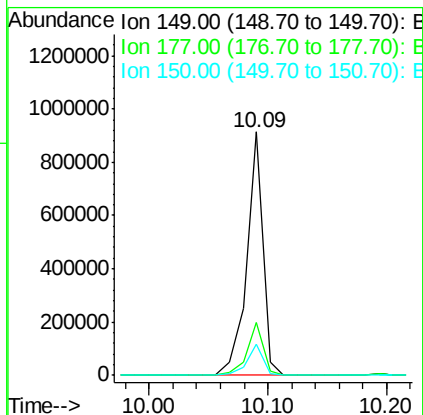
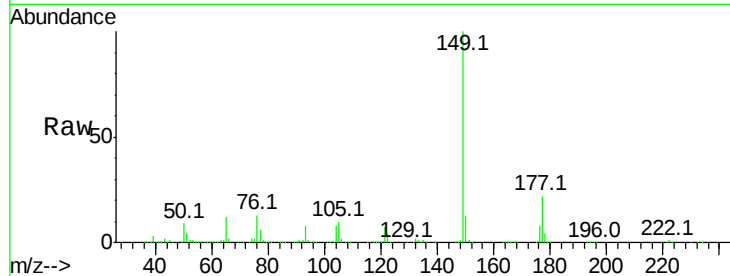
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	149	Resp:	873754
Ion Ratio	Lower	Upper	
149	100		
177	21.8	16.6	24.8
150	12.8	10.0	15.0

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#60

4-Chlorophenyl-phenylether

Concen: 46.14 ng

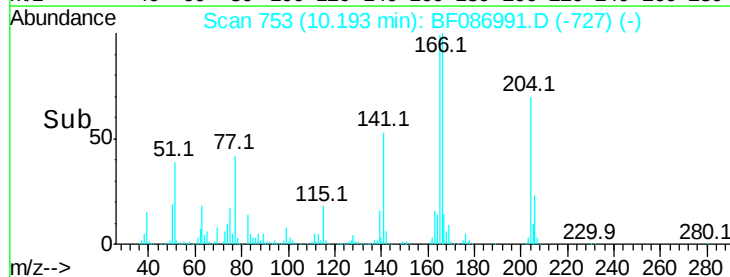
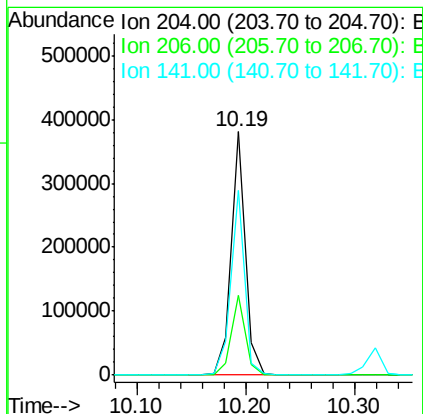
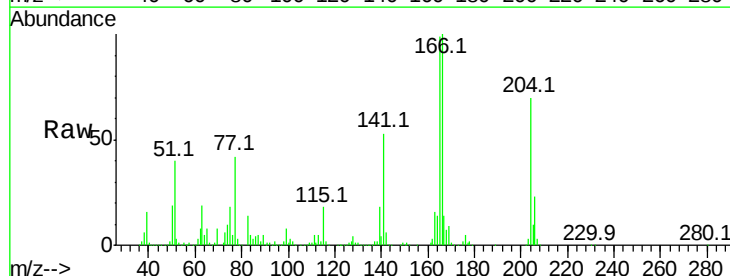
RT: 10.19 min Scan# 753

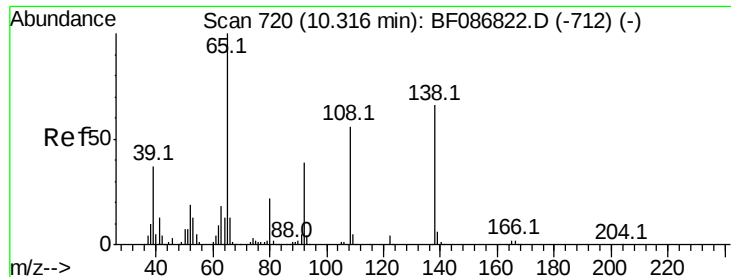
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	204	Resp:	342380
Ion Ratio	Lower	Upper	
204	100		
206	32.7	25.4	38.0
141	75.7	61.6	92.4





#61

4-Nitroaniline

Concen: 43.15 ng

RT: 10.24 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:138 Resp: 192617

Ion Ratio Lower Upper

138 100

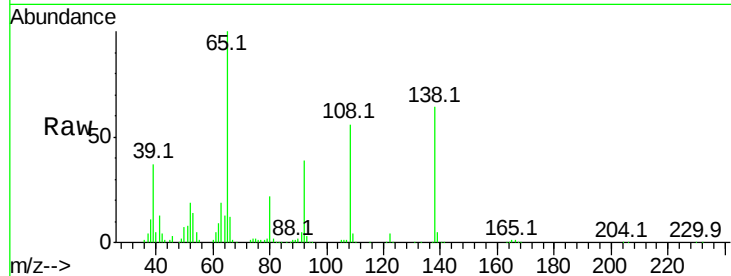
92 60.9 24.7 64.7

108 87.5 37.4 77.4#

Manual Integrations
APPROVED

sohil

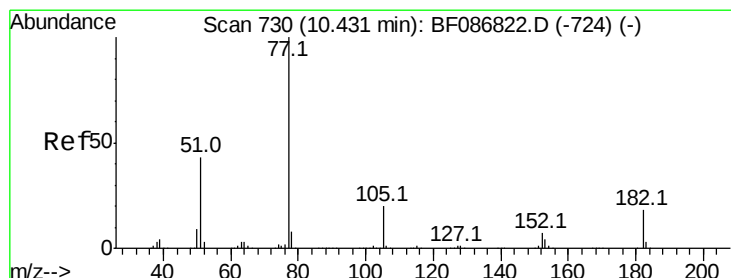
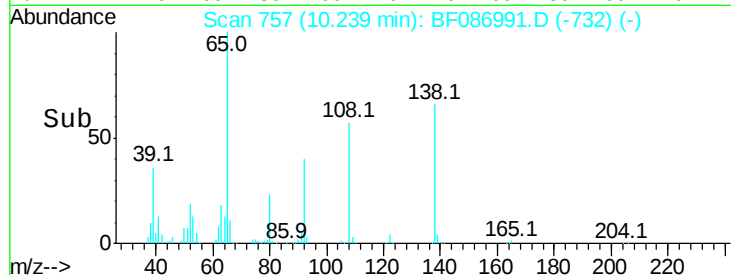
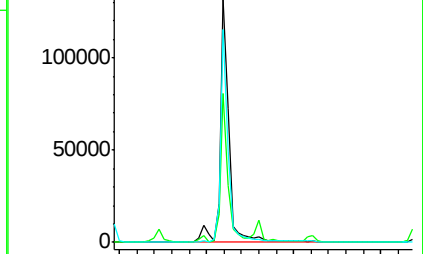
5/14/2016 10:00:41 AM



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 48.30 ng

RT: 10.35 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion: 77 Resp: 1065258

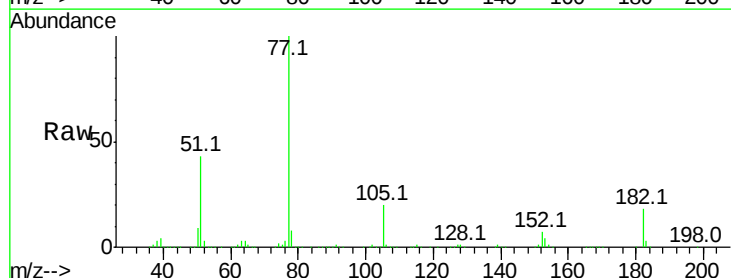
Ion Ratio Lower Upper

77 100

182 18.4 0.0 38.8

105 20.2 3.2 43.2

51 43.2 8.8 48.8

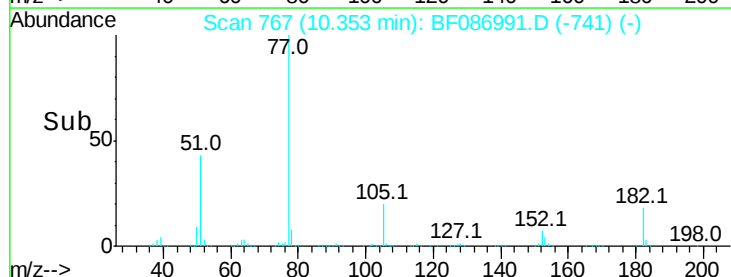
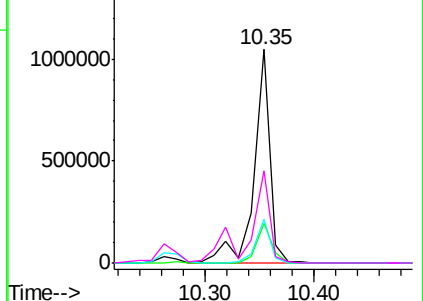


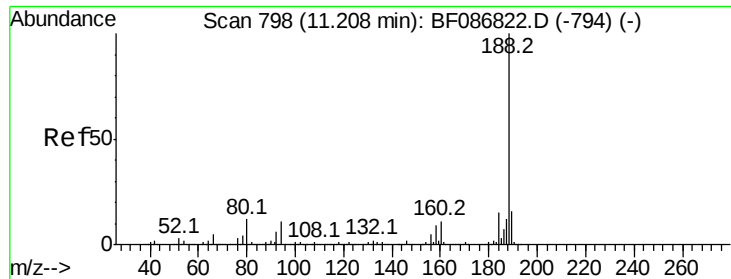
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





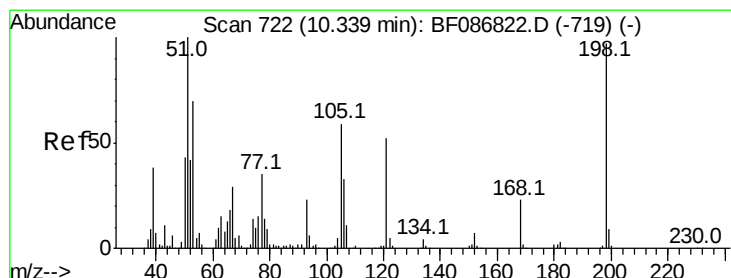
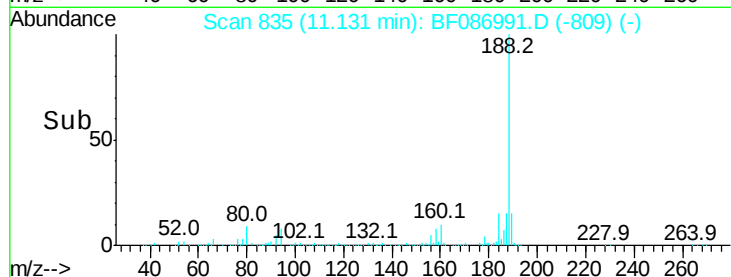
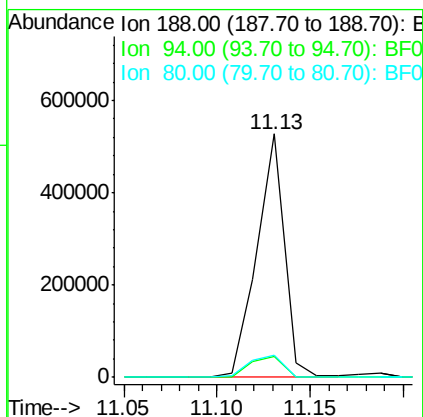
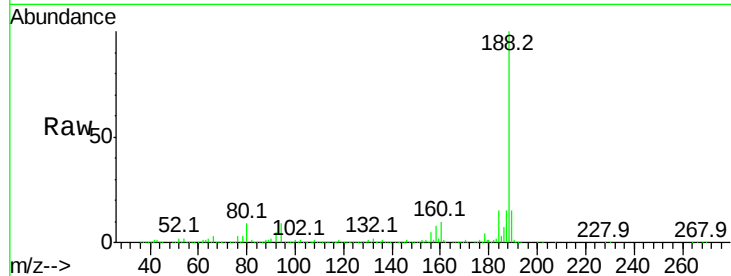
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.0	7.1	10.7

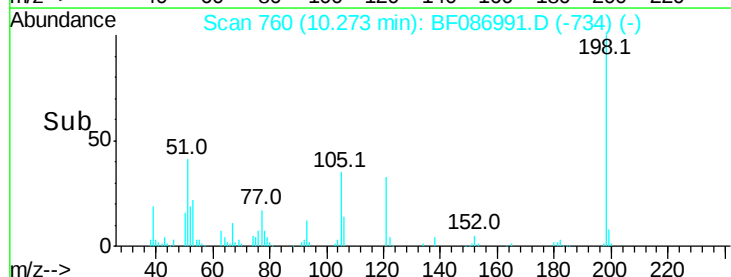
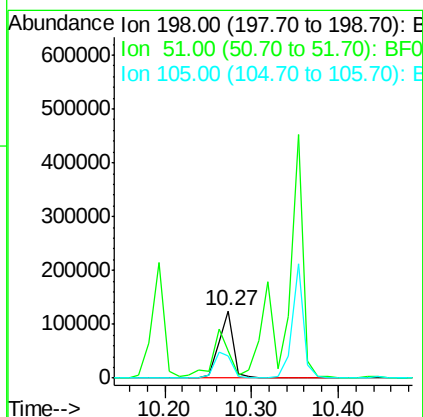
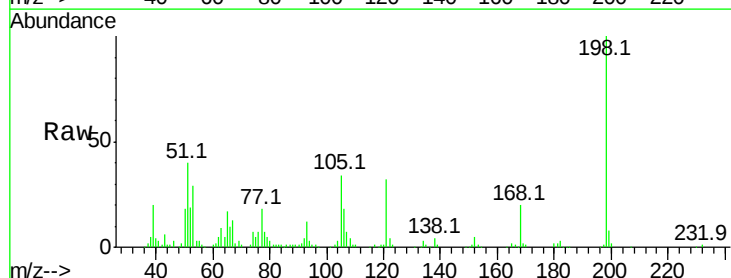
Manual Integrations
APPROVED

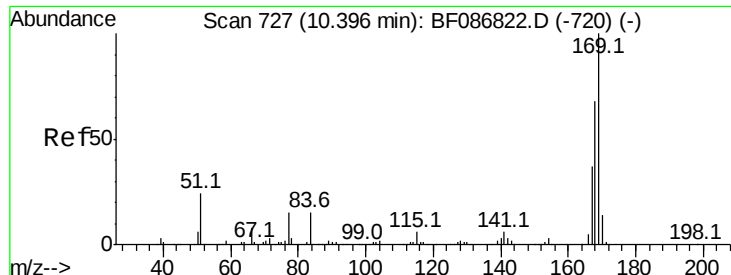
sohil
5/14/2016 10:00:41 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 44.24 ng
RT: 10.27 min Scan# 760
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	40.3	20.5	60.5
105	33.6	24.5	64.5





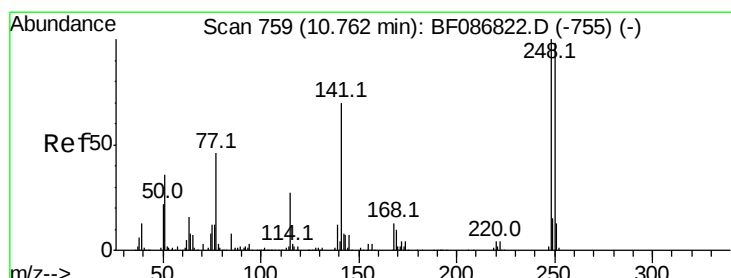
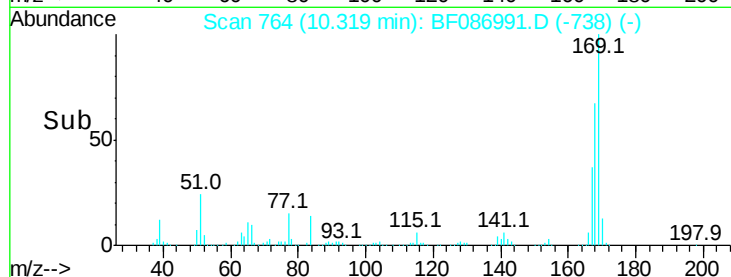
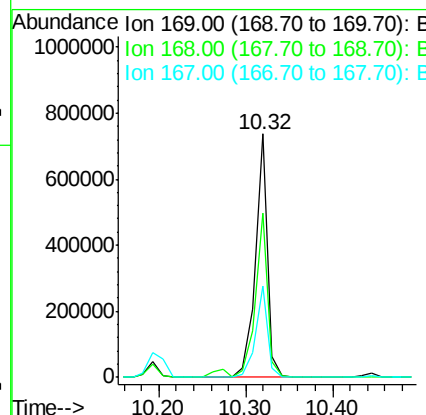
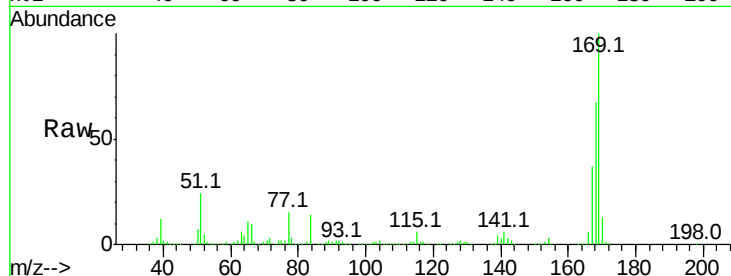
#65
n-Nitrosodiphenylamine
Concen: 43.73 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	724017		
168	67.2	53.8	80.6	
167	37.2	29.5	44.3	

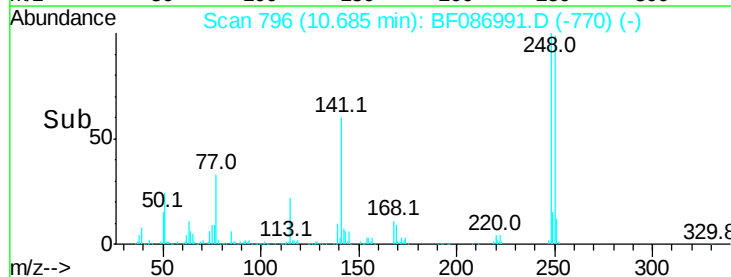
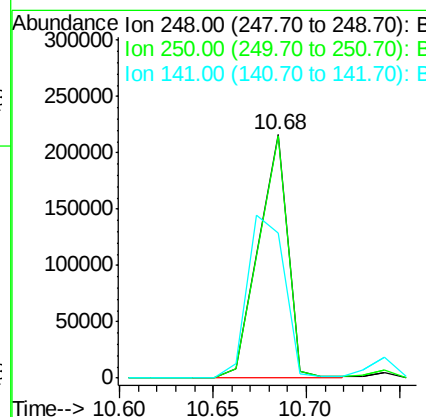
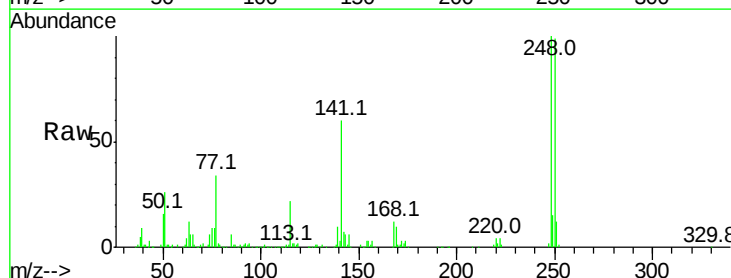
Manual Integrations
APPROVED

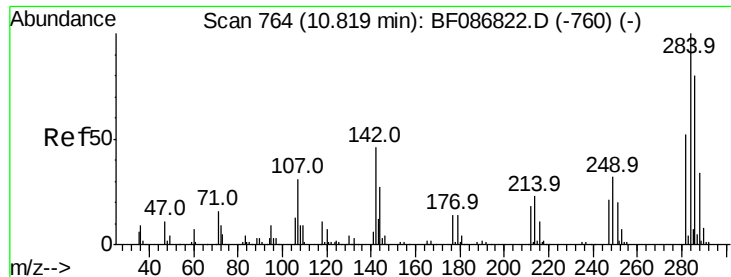
sohil
5/14/2016 10:00:41 AM



#66
4-Bromophenyl-phenylether
Concen: 43.08 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	235423		
250	99.4	78.6	117.8	
141	59.8	76.0	114.0#	





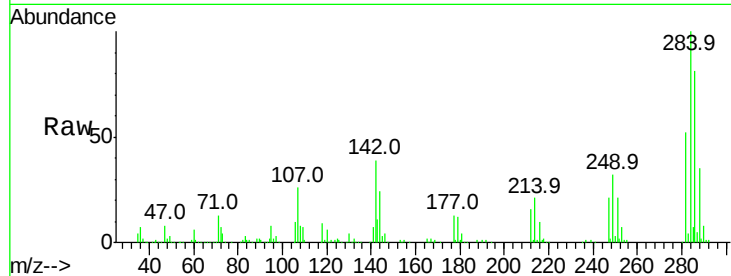
#67
Hexachlorobenzene
Concen: 40.07 ng
RT: 10.74 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

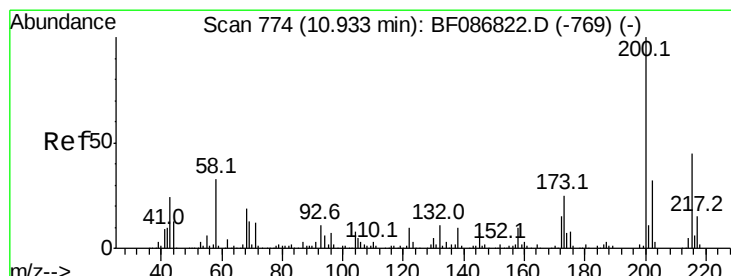
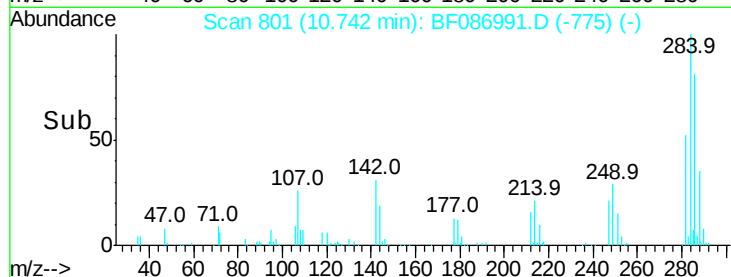
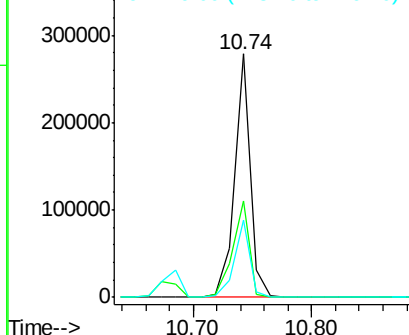
Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	39.4	16.7	25.1	#
249	31.9	21.3	31.9	

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM

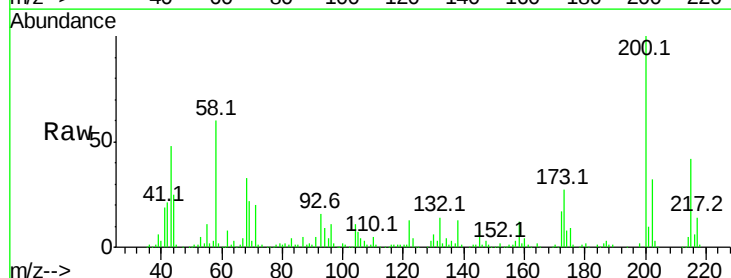


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

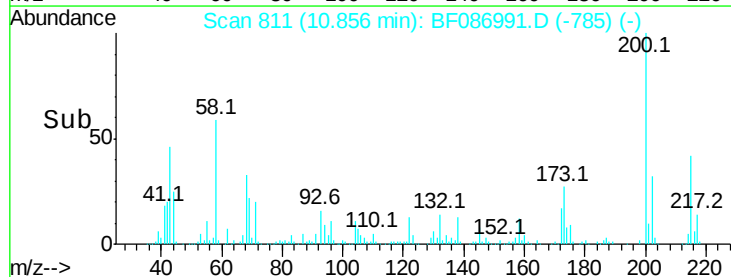
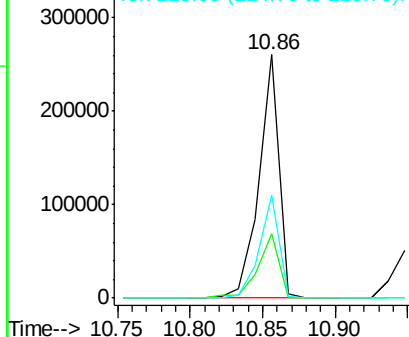


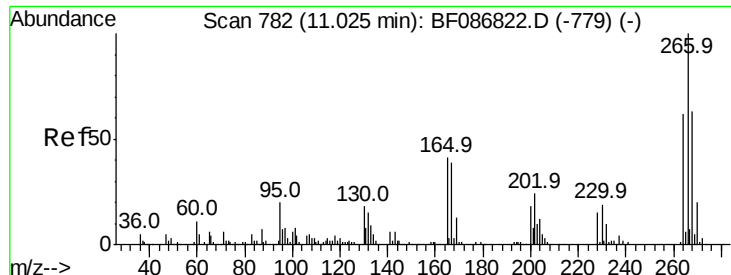
#68
Atrazine
Concen: 44.89 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	26.7	8.5	48.5	
215	42.5	27.2	67.2	



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





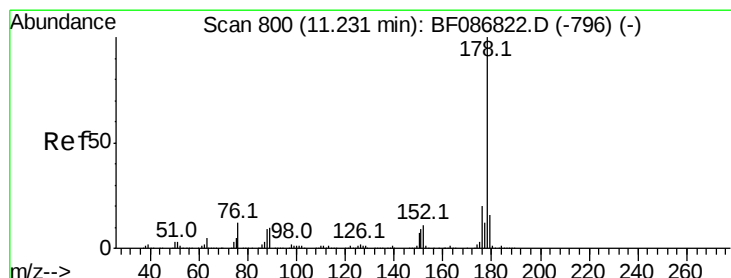
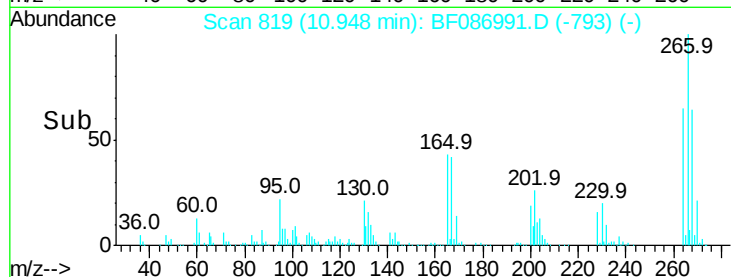
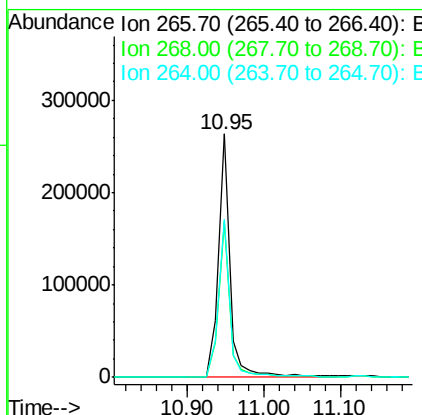
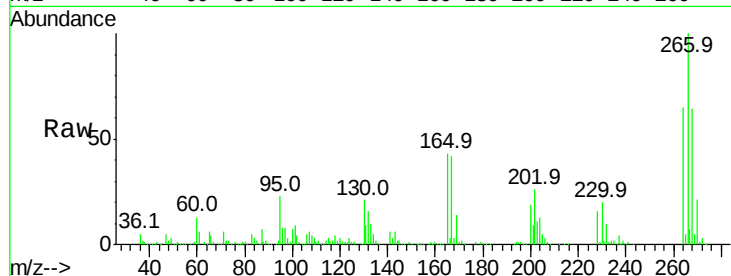
#69
 Pentachlorophenol
 Concen: 95.48 ng
 RT: 10.95 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	281783		
268	64.0		51.5	77.3
264	64.8		52.9	79.3

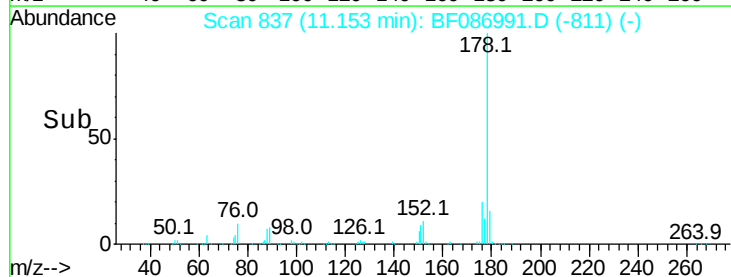
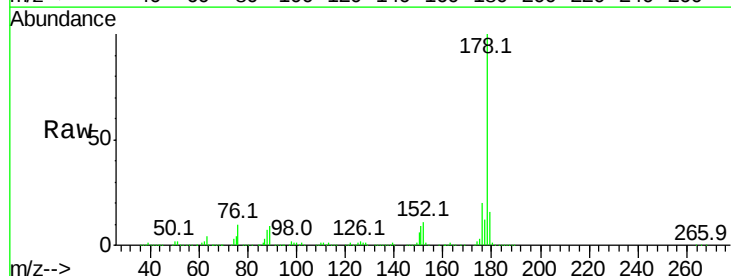
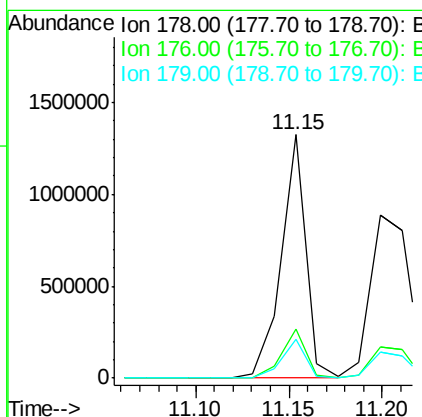
Manual Integrations
 APPROVED

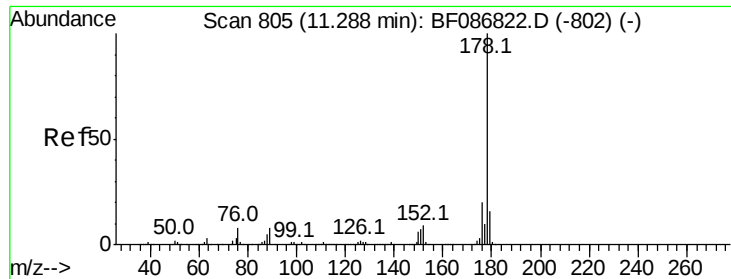
sohil
 5/14/2016 10:00:41 AM



#70
 Phenanthrene
 Concen: 42.38 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1218798		
176	20.0		16.0	24.0
179	16.0		12.6	18.8





#71
 Anthracene
 Concen: 42.91 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

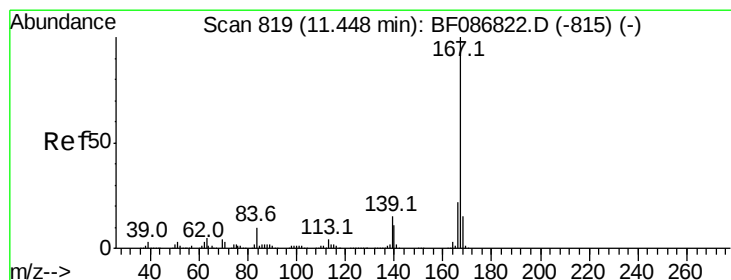
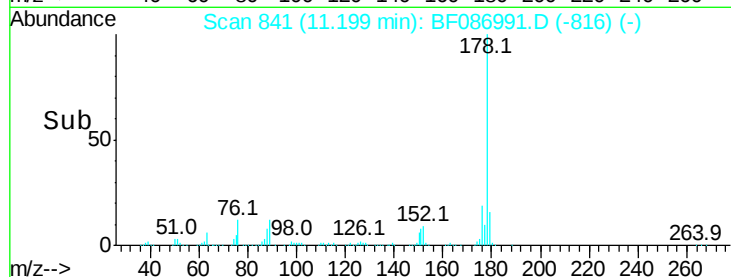
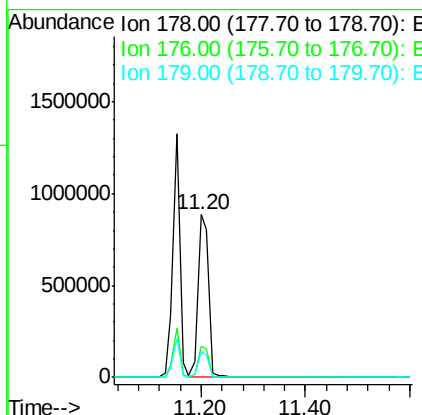
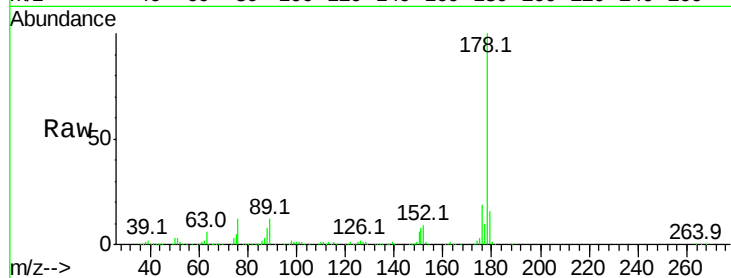
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Tot Ion:178 Resp: 1262317

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	16.1	12.7	19.1

Manual Integrations
 APPROVED

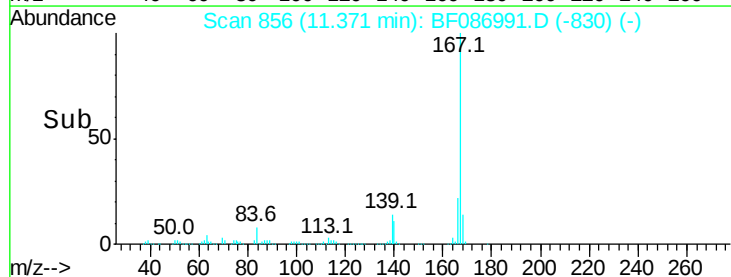
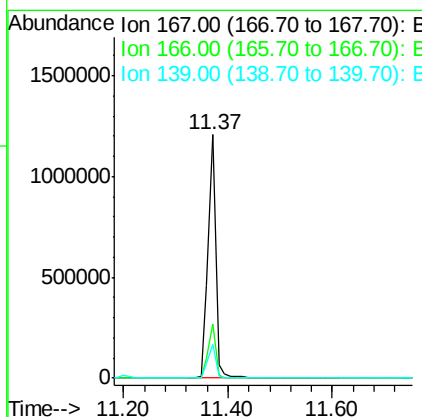
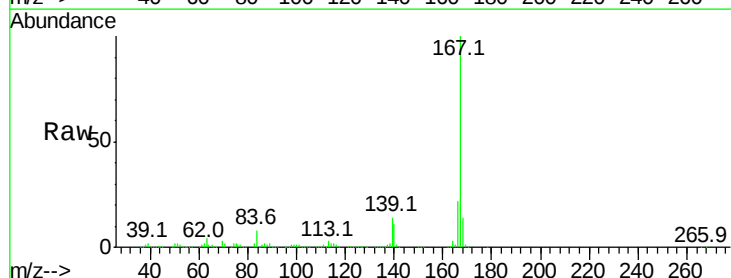
sohil
 5/14/2016 10:00:41 AM

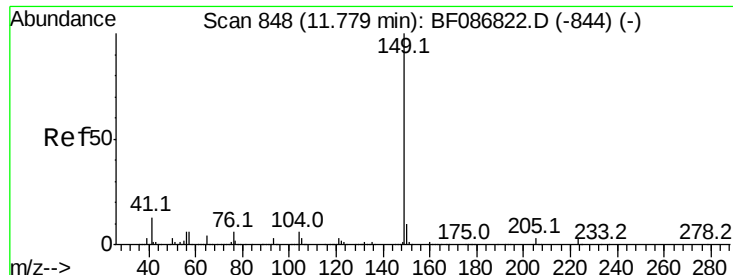


#72
 Carbazole
 Concen: 49.17 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion:167 Resp: 1243256

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.7	26.5
139	14.1	10.8	16.2





#73

Di-n-butylphthalate

Concen: 41.33 ng

RT: 11.70 min Scan# 885

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

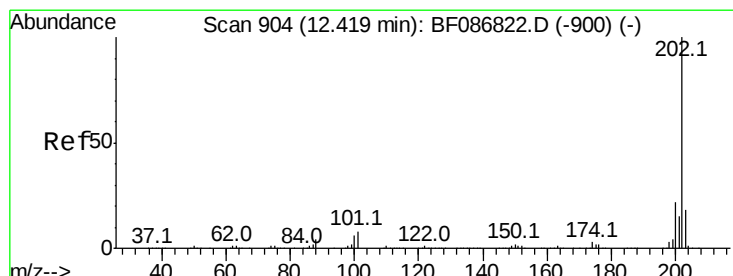
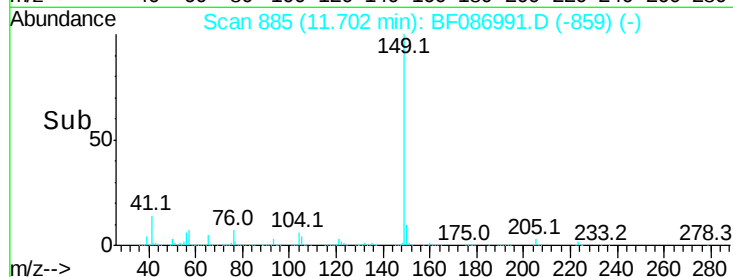
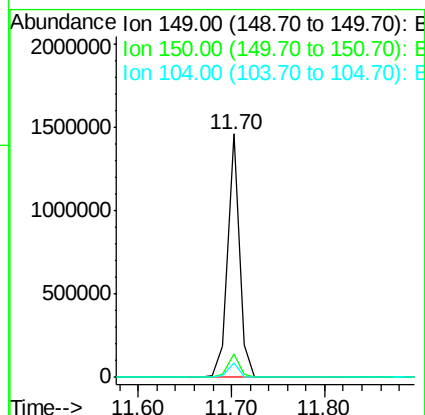
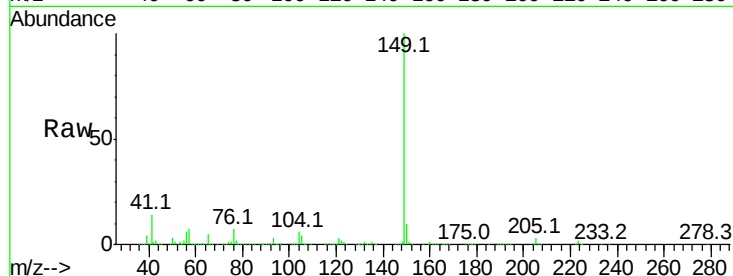
ClientSampleId :

HSR-WC-43-050616MSD

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM

Tot Ion:	149	Resp:	1276141
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.6	11.4
104	6.2	3.8	5.6



#74

Fluoranthene

Concen: 40.50 ng

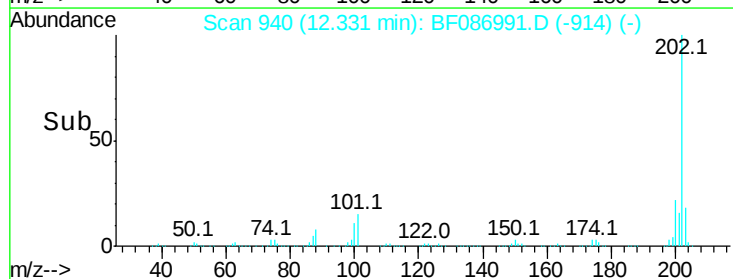
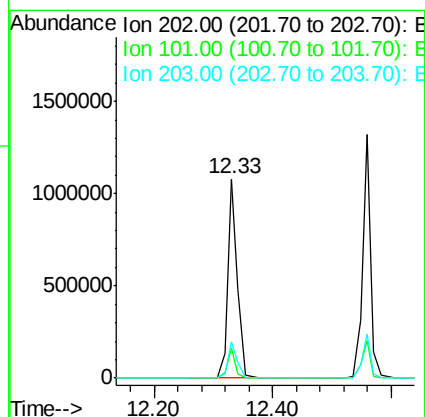
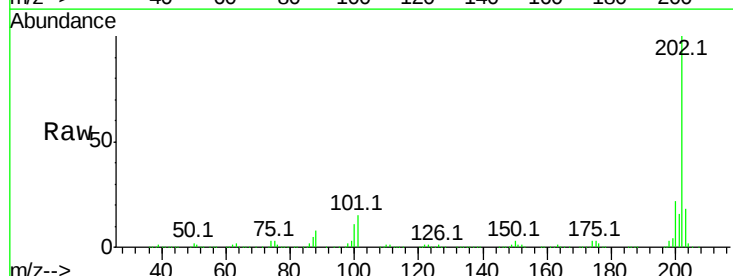
RT: 12.33 min Scan# 940

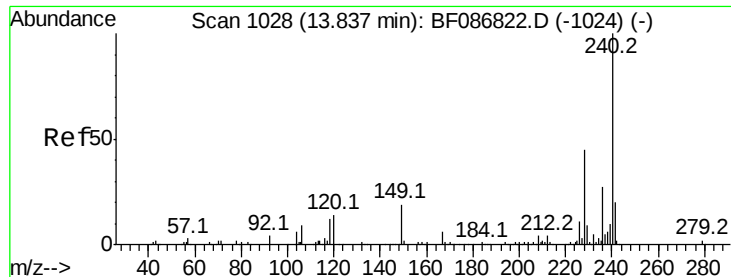
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	202	Resp:	1197933
Ion Ratio	Lower	Upper	
202	100		
101	14.8	0.0	35.4
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

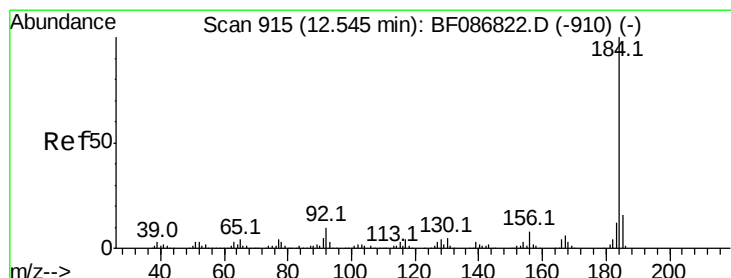
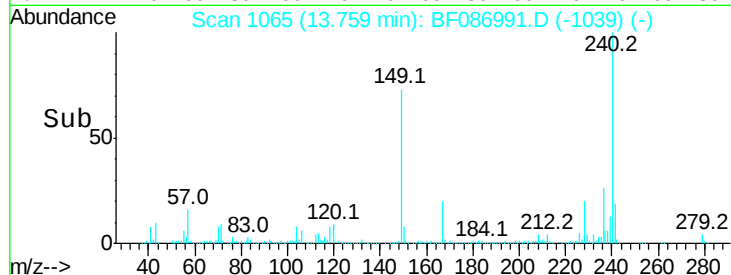
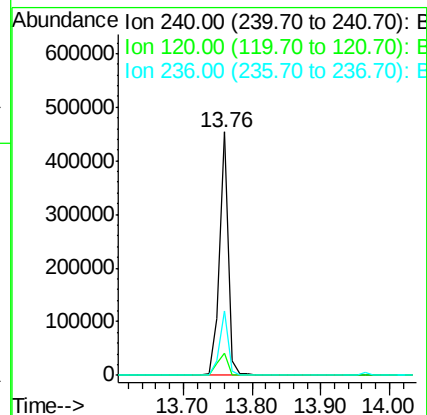
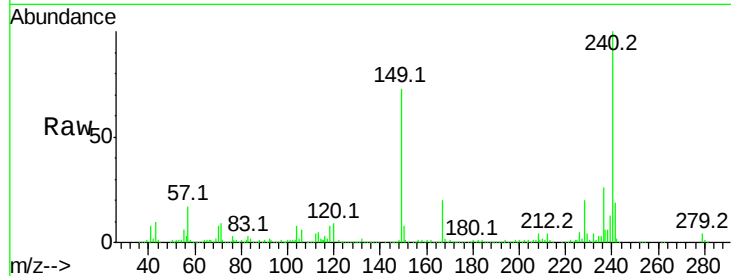
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	240	Resp:	414156
Ion Ratio	Lower	Upper	
240	100		
120	9.2	11.2	16.8#
236	26.4	21.2	31.8

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#76

Benzidine

Concen: 10.31 ng

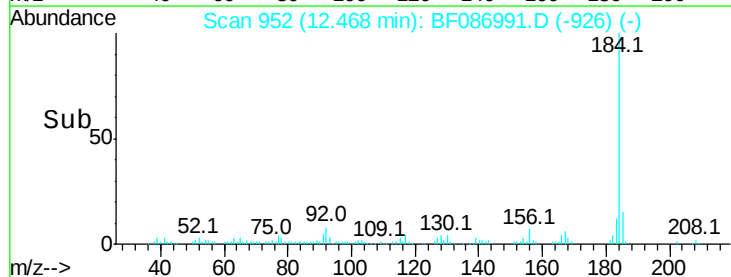
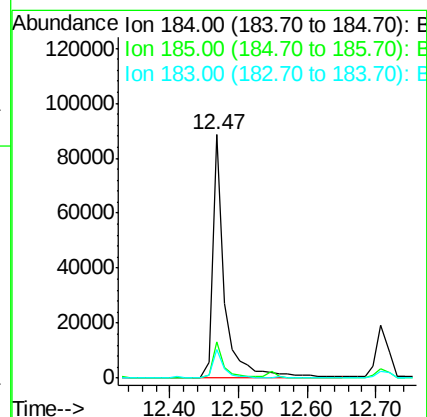
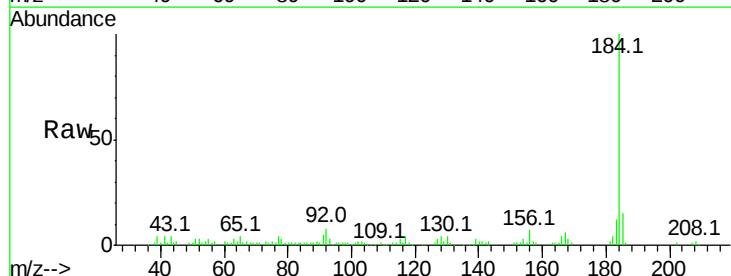
RT: 12.47 min Scan# 952

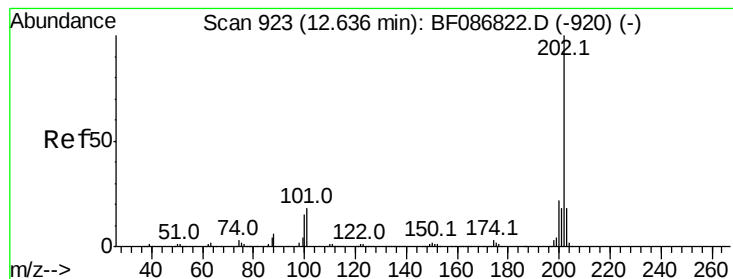
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	184	Resp:	108848
Ion Ratio	Lower	Upper	
184	100		
185	15.0	13.6	20.4
183	11.6	9.8	14.6





#77

Pvrene

Concen: 39.24 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:202 Resp: 1244300

Ion Ratio Lower Upper

202 100

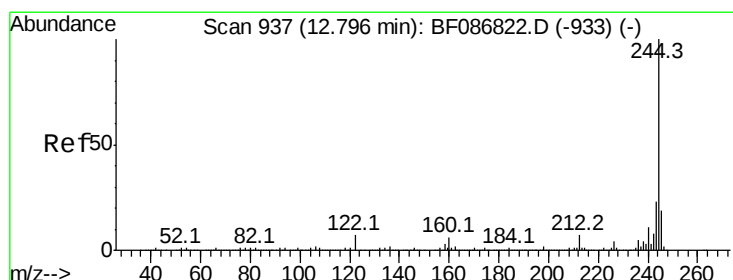
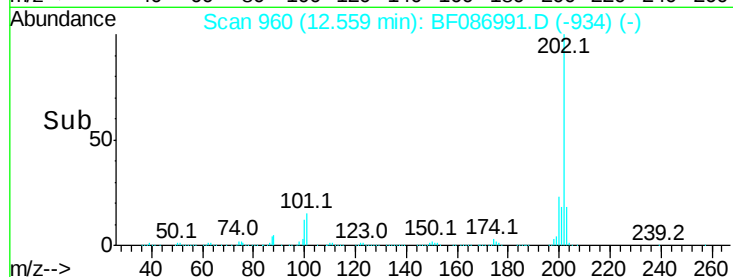
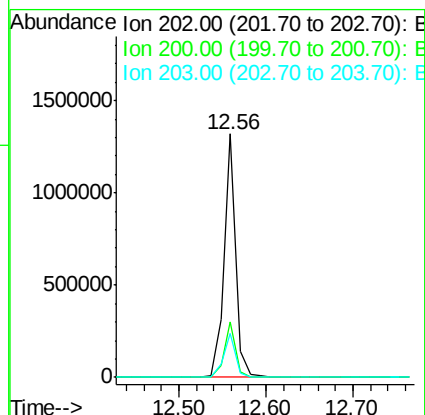
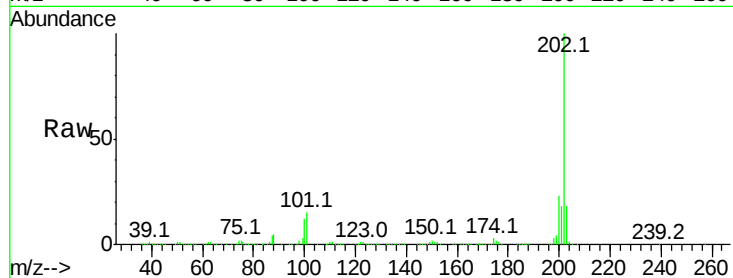
200 22.6 17.7 26.5

203 18.2 14.2 21.4

Manual Integrations
APPROVED

sohil

5/14/2016 10:00:41 AM



#78

Terphenyl-d14

Concen: 75.72 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

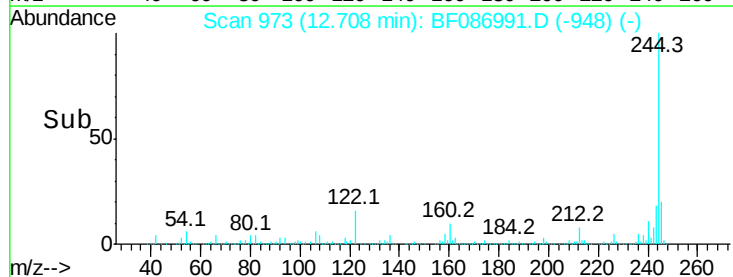
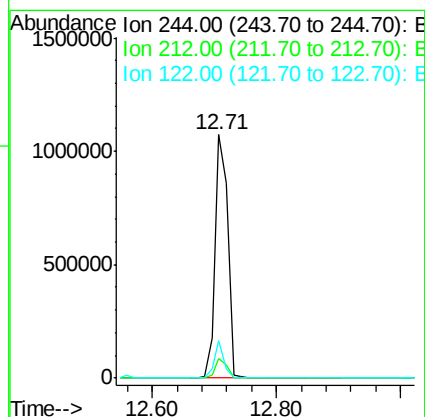
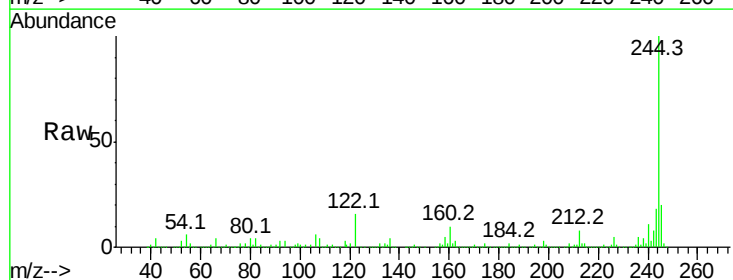
Tgt Ion:244 Resp: 1478056

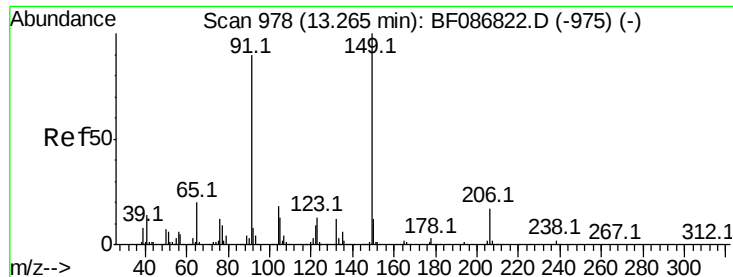
Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

122 15.7 12.0 18.0





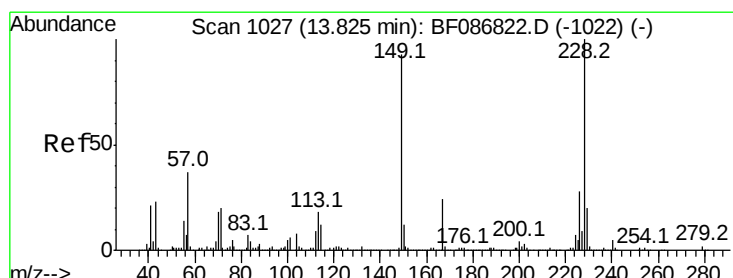
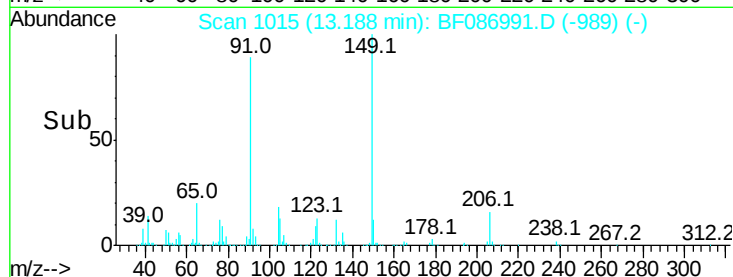
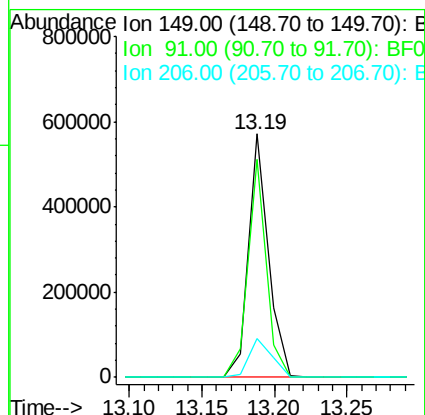
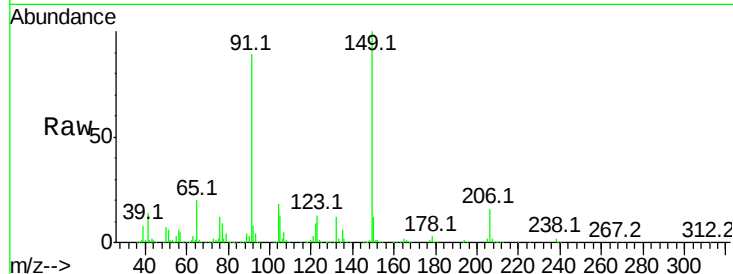
#79
Butylbenzylphthalate
Concen: 40.78 ng
RT: 13.19 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	546940		
91	89.3	48.0	72.0#	
206	16.1	15.8	23.6	

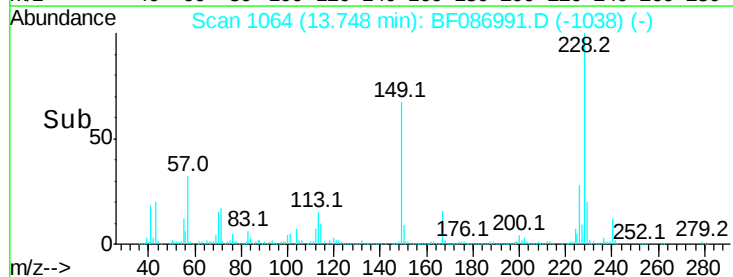
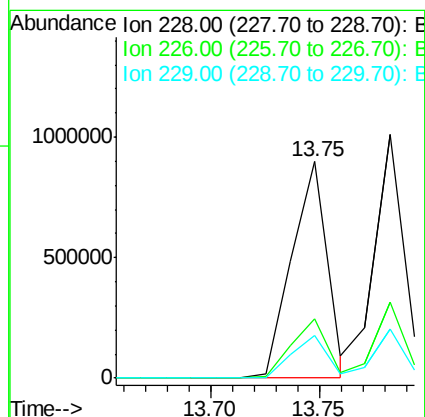
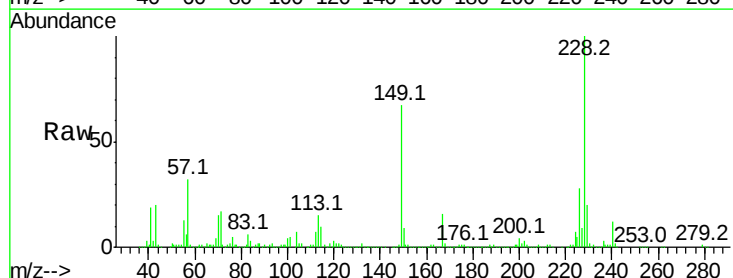
Manual Integrations
APPROVED

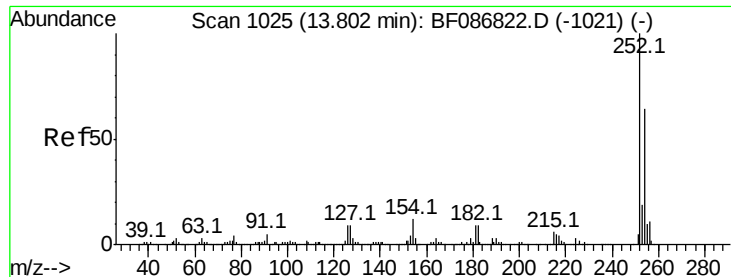
sohil
5/14/2016 10:00:41 AM



#80
Benzo(a)anthracene
Concen: 44.07 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1024612		
226	27.6	22.5	33.7	
229	20.0	16.6	25.0	





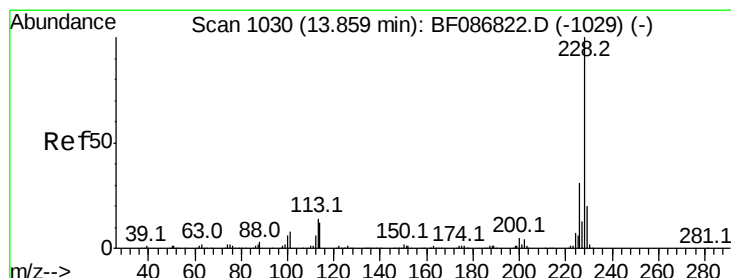
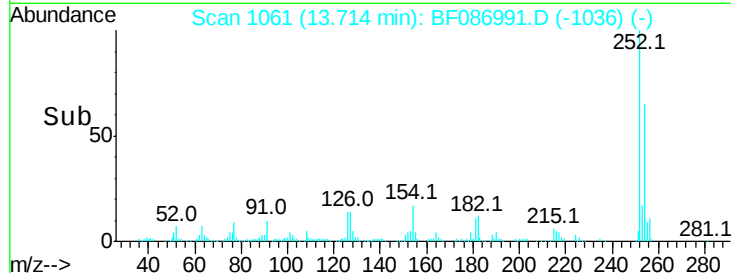
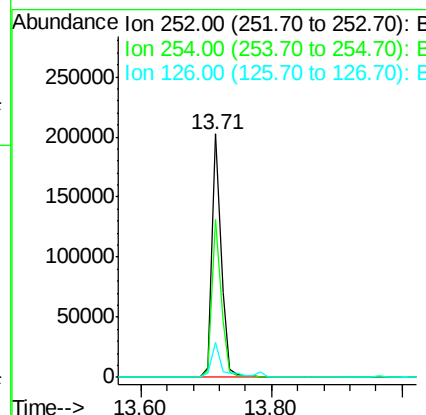
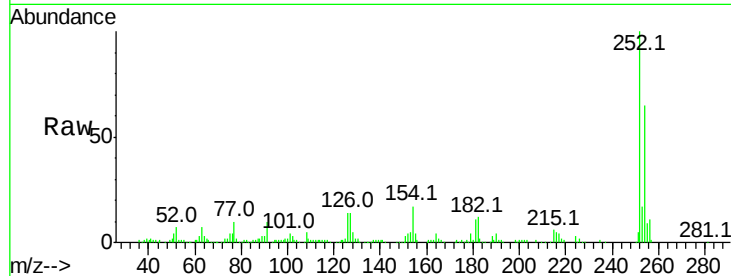
#81
 3,3'-Dichlorobenzidine
 Concen: 13.88 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	205060		
254	64.7	50.7	76.1	
126	14.1	12.7	19.1	

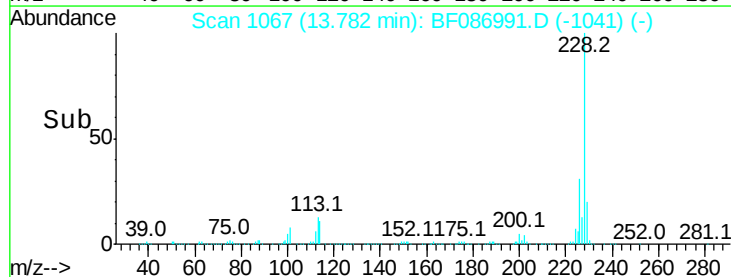
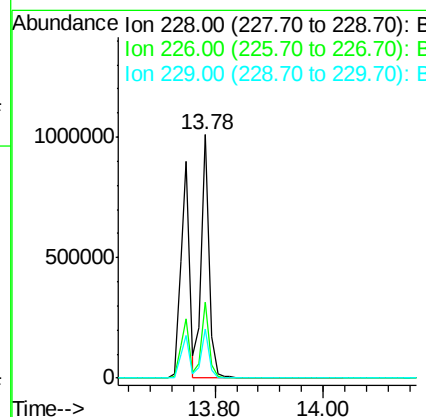
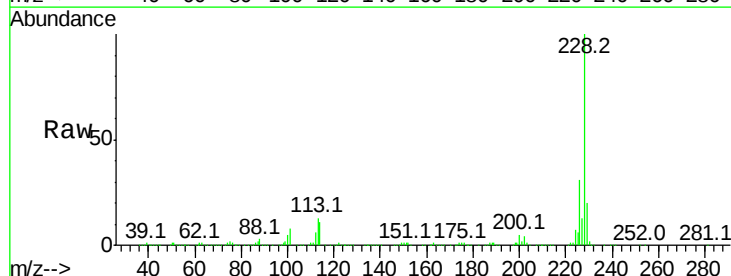
Manual Integrations
 APPROVED

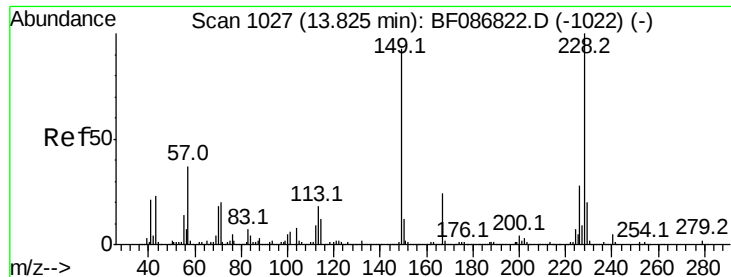
sohil
 5/14/2016 10:00:41 AM



#82
 Chrysene
 Concen: 41.74 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: BF086991.D
 Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	987082		
226	31.4	24.4	36.6	
229	20.4	15.8	23.8	





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.77 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

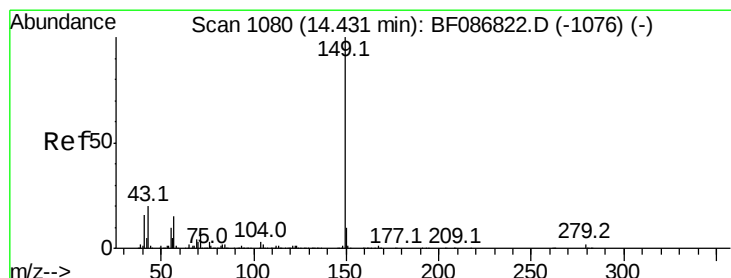
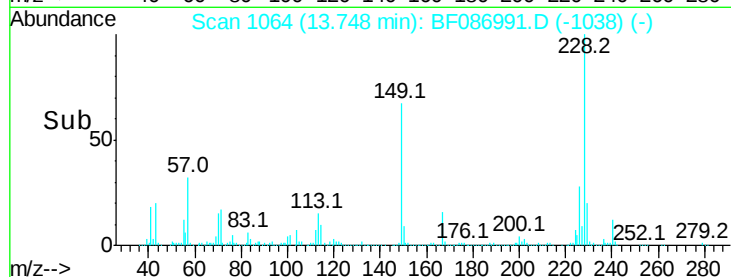
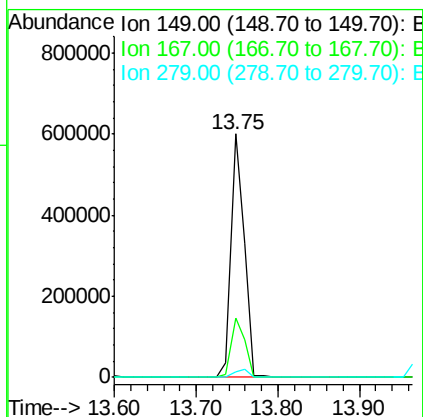
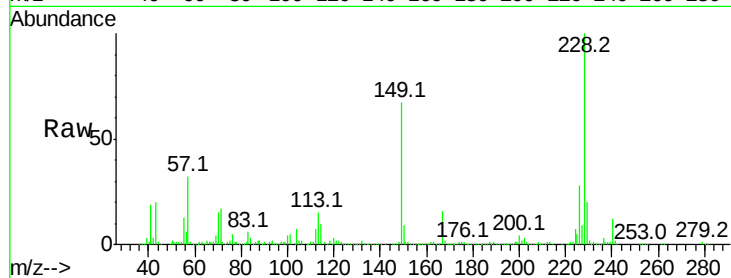
ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:	149	Resp:	673904
Ion Ratio	Lower	Upper	
149	100		
167	24.4	21.8	32.6
279	2.1	2.6	4.0#

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM



#84

Di-n-octyl phthalate

Concen: 47.68 ng

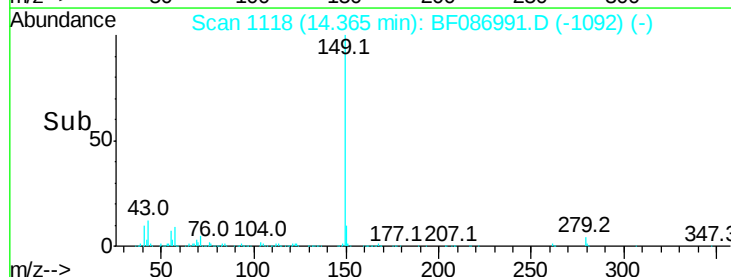
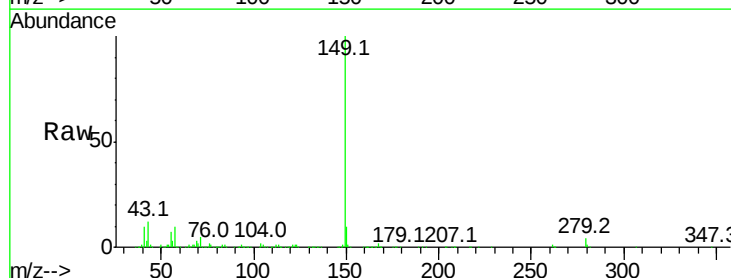
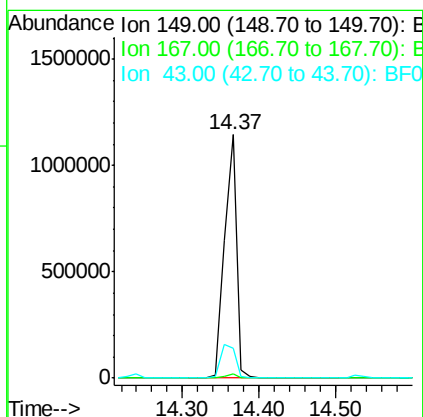
RT: 14.37 min Scan# 1118

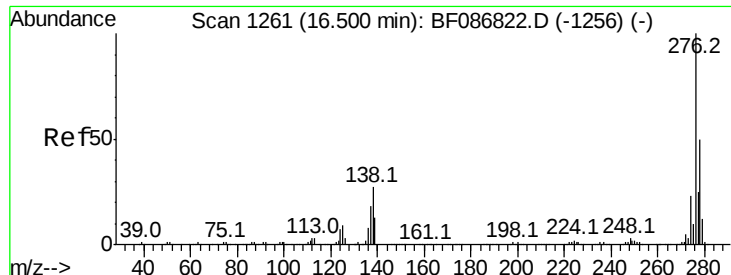
Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tgt Ion:	149	Resp:	1274034
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	16.4	8.2	12.4#





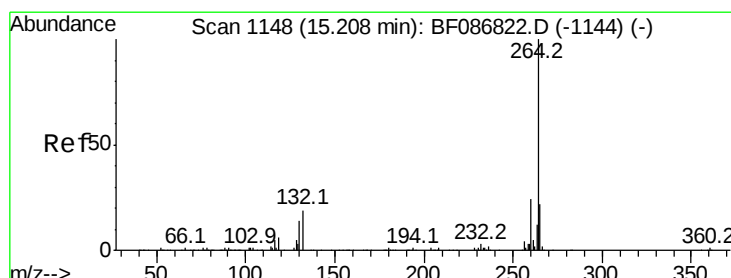
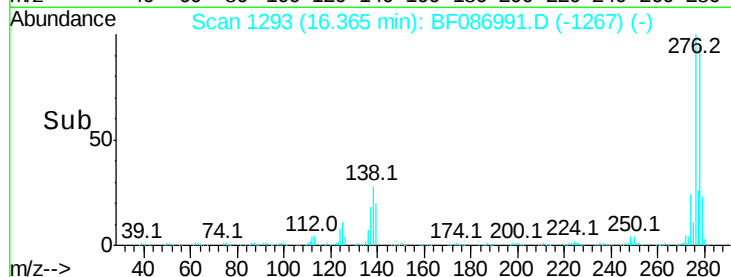
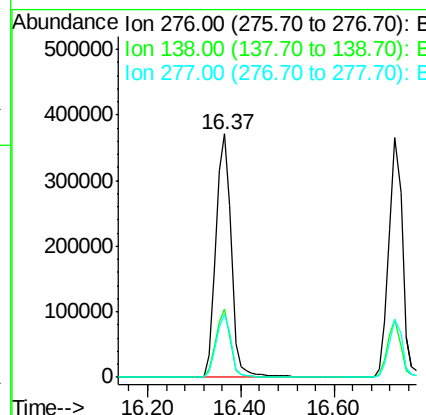
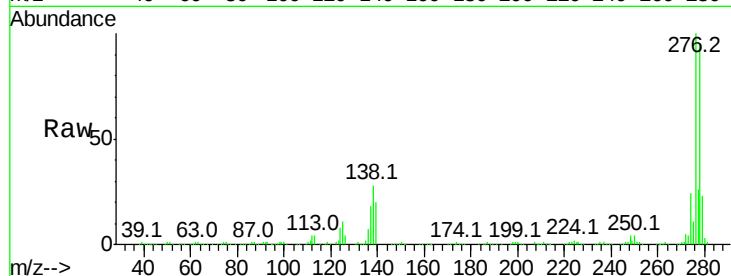
#85
Indeno(1,2,3-cd)pyrene
Concen: 43.92 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100	864166		
138	26.8	25.6	38.4	
277	25.2	20.5	30.7	

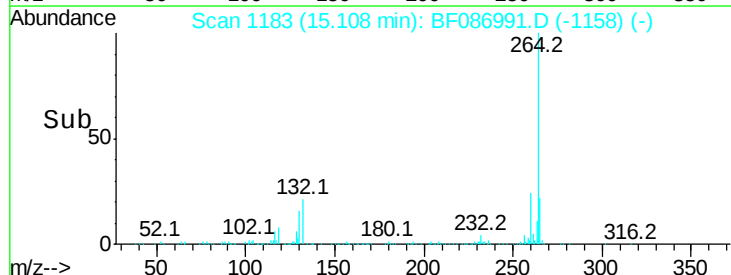
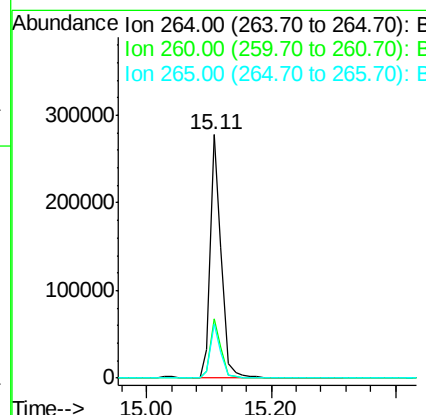
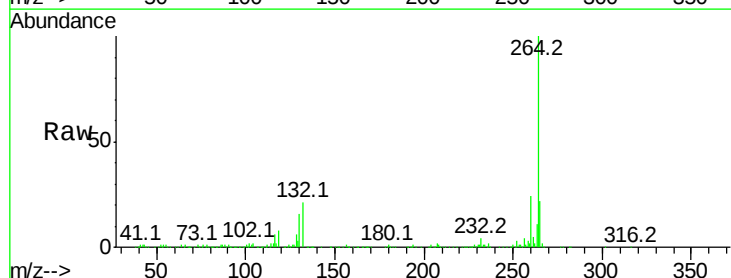
Manual Integrations
APPROVED

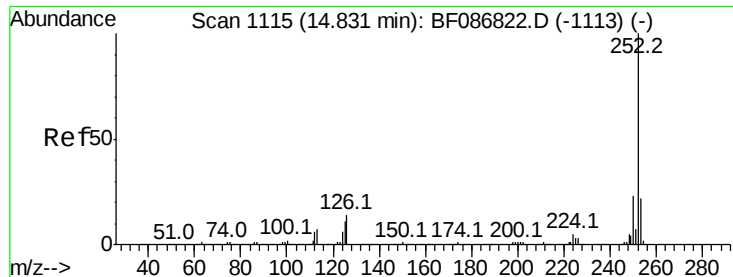
sohil
5/14/2016 10:00:41 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	340289		
260	24.5	19.5	29.3	
265	22.2	17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 55.30 ng m

RT: 14.74 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Tot Ion:252 Resp: 1222968

Ion Ratio Lower Upper

252 100

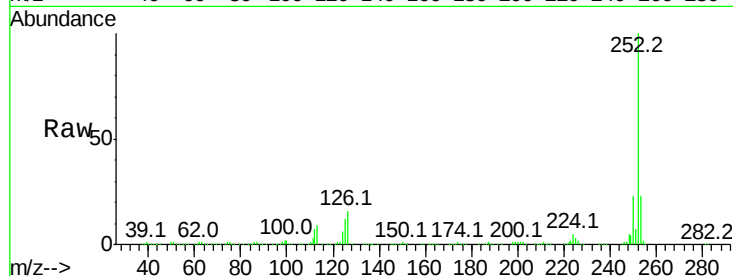
253 22.5 17.8 26.6

125 12.0 11.4 17.0

Manual Integrations
APPROVED

sohil

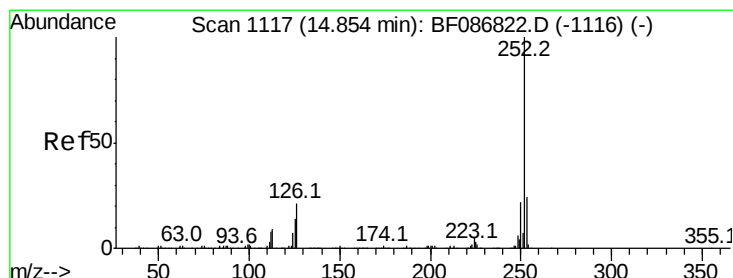
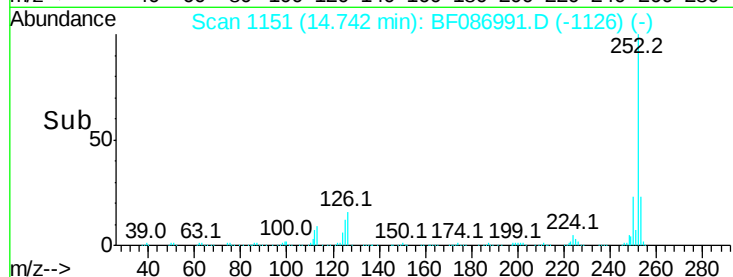
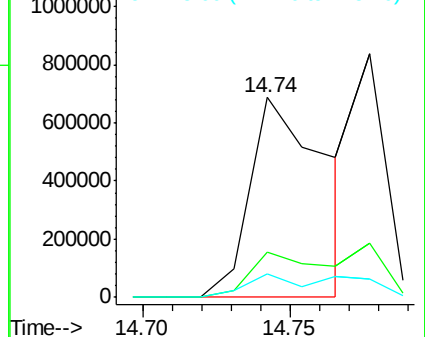
5/14/2016 10:00:41 AM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 35.54 ng m

RT: 14.78 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

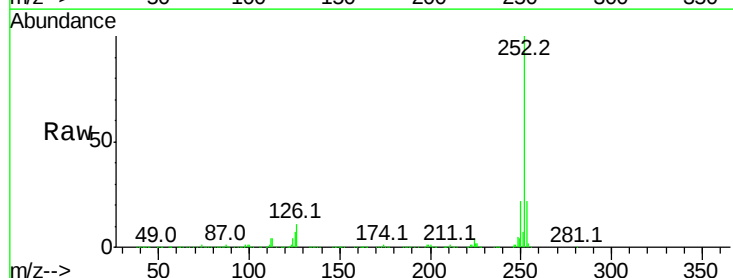
Tgt Ion:252 Resp: 643584

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

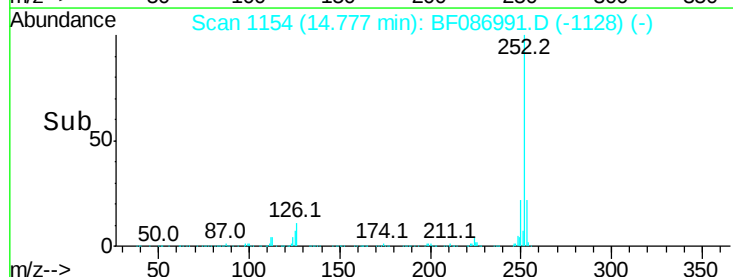
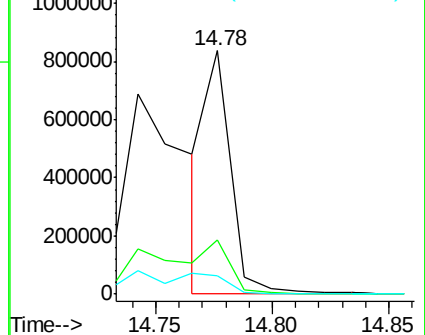
125 7.5 9.1 13.7#

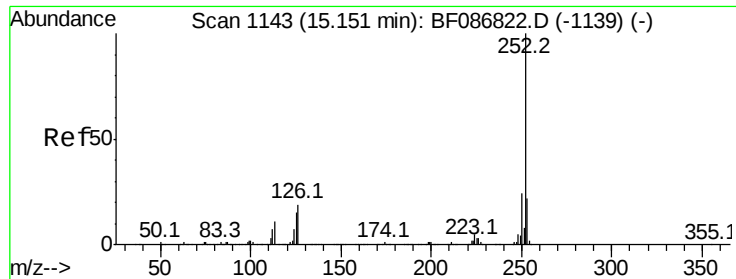


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





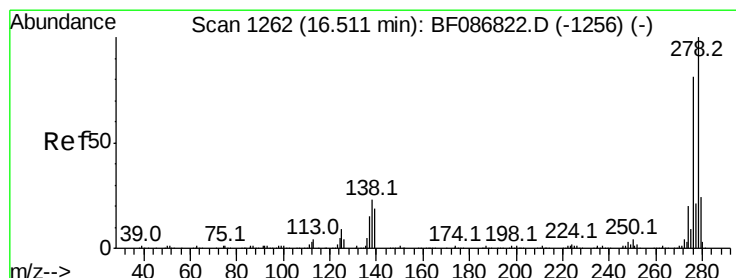
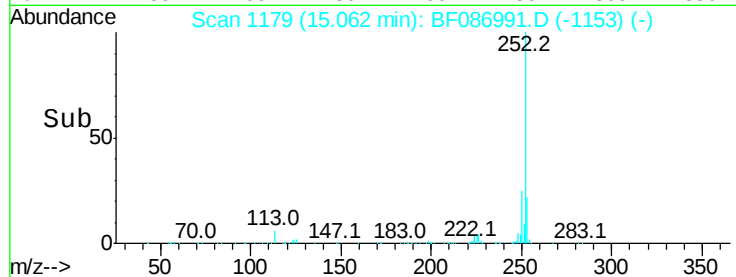
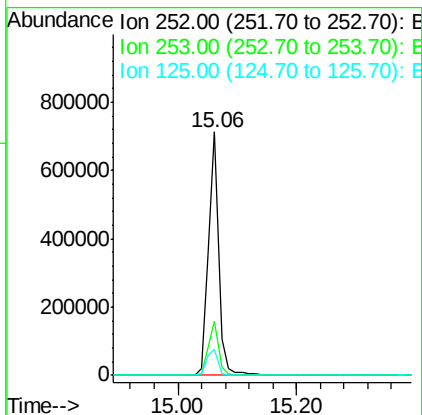
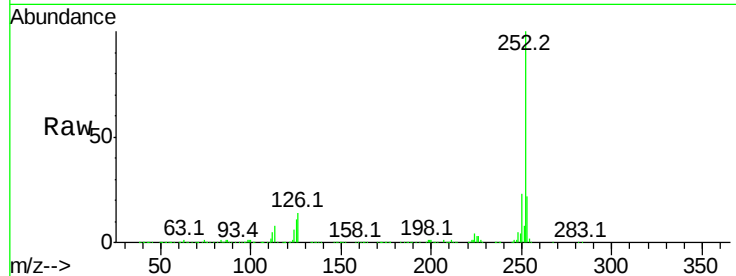
#89
Benzo(a)pyrene
Concen: 44.54 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	849685		
253	22.3		17.2	25.8
125	10.6		9.0	13.6

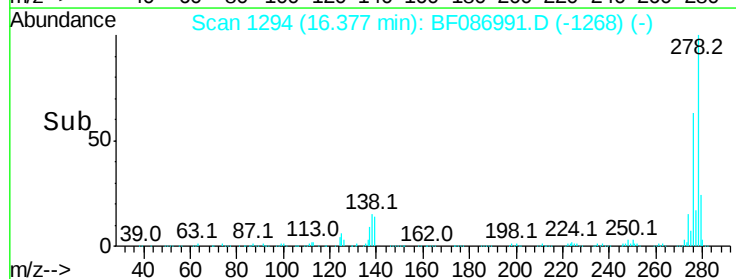
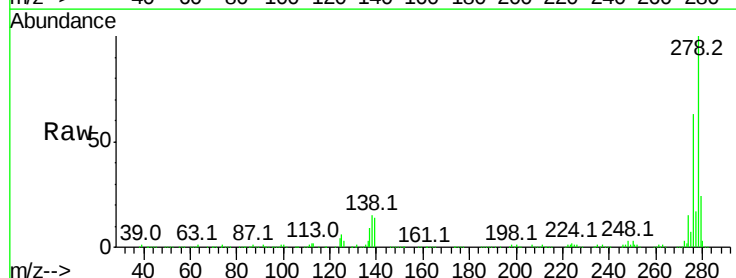
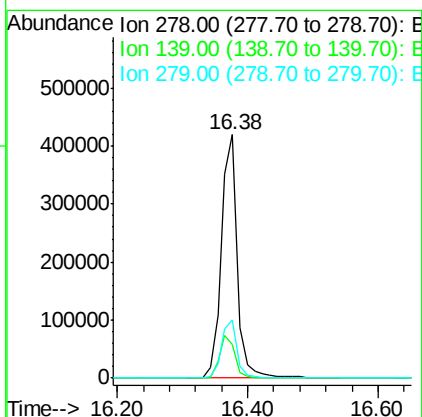
Manual Integrations
APPROVED

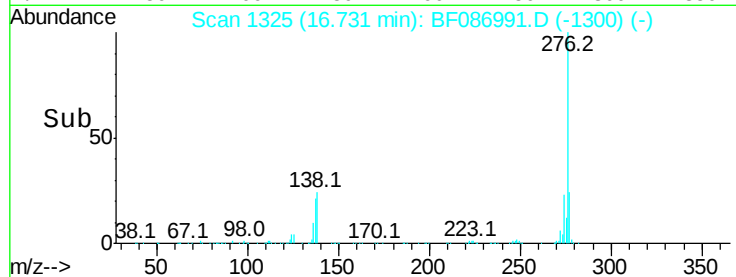
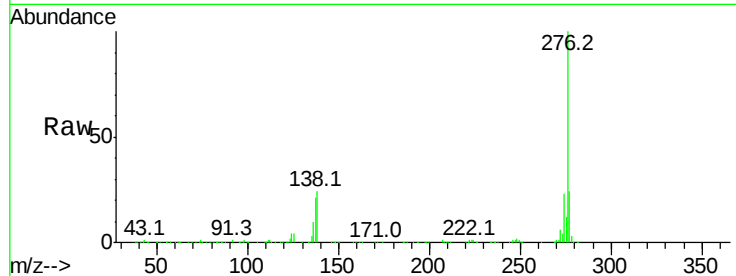
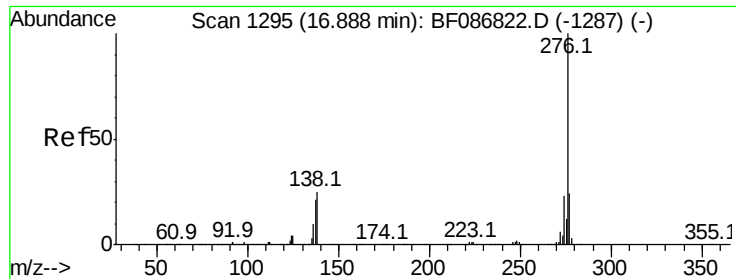
sohil
5/14/2016 10:00:41 AM



#90
Dibenzo(a,h)anthracene
Concen: 44.73 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF086991.D
Acq: 14 May 2016 1:15

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	719102		
139	13.9		16.6	24.8#
279	23.8		19.6	29.4





#91

Benzo(a,h,i)perylene

Concen: 45.41 ng

RT: 16.73 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF086991.D

Acq: 14 May 2016 1:15

Tot Ion:	276	Resp:	741850
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.6	29.4
138	24.4	23.6	35.4

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MSD

Manual Integrations
APPROVED

sohil
5/14/2016 10:00:41 AM

