

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083255.D
 Acq On : 25 Nov 2015 00:07
 Operator : UM/IZ
 Sample : G4518-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Manual Integrations
 APPROVED

Mmdadoda
 11/25/2015 12:54:47 PM

Quant Time: Nov 25 02:29:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	168823	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	658454	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	324784	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	625114	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	475175	20.00	ng	-0.06
86) Perylene-d12	15.11	264	403577	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.22	112	1373097	122.96	ng	-0.06
7) Phenol-d6	6.28	99	1758162	121.69	ng	-0.06
23) Nitrobenzene-d5	7.19	82	1308514	90.81	ng	-0.05
41) 2,4,6-Tribromophenol	10.44	330	467929	140.83	ng	-0.05
44) 2-Fluorobiphenyl	8.98	172	1925054	82.65	ng	-0.05
78) Terphenyl-d14	12.71	244	1941168	96.20	ng	-0.06

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.19	88	174649	31.57	ng	94
3) Pyridine	2.83	79	446326	30.55	ng	93
4) n-Nitrosodimethylamine	2.74	42	288314	42.79	ng	92
6) Aniline	6.28	93	346823	19.64	ng	# 47
8) 2-Chlorophenol	6.41	128	482226	39.97	ng	85
9) Benzaldehyde	6.16	77	220500	27.86	ng	95
10) Phenol	6.30	94	690892	39.53	ng	80
11) bis(2-Chloroethyl)ether	6.35	93	590227	47.29	ng	92
12) 1,3-Dichlorobenzene	6.55	146	525267	38.13	ng	97
13) 1,4-Dichlorobenzene	6.63	146	551349	39.57	ng	97
14) 1,2-Dichlorobenzene	6.79	146	490882	38.76	ng	95
15) Benzyl Alcohol	6.78	79	519041	42.99	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.90	45	988360	50.78	ng	88
17) 2-Methylphenol	6.90	107	437910	43.87	ng	96
18) Hexachloroethane	7.12	117	187159	38.13	ng	# 79
19) n-Nitroso-di-n-propylamine	7.04	70	438707	43.63	ng	98
20) 3+4-Methylphenols	7.06	107	582303	46.14	ng	97
22) Acetophenone	7.03	105	775074	41.00	ng	# 96
24) Nitrobenzene	7.20	77	589100	38.26	ng	96
25) Isophorone	7.45	82	1193136	43.73	ng	98
26) 2-Nitrophenol	7.52	139	252835	37.20	ng	# 84
27) 2,4-Dimethylphenol	7.59	122	471643	43.48	ng	91
28) bis(2-Chloroethoxy)methane	7.67	93	724226	45.65	ng	99
29) 2,4-Dichlorophenol	7.77	162	435501	42.21	ng	94
30) 1,2,4-Trichlorobenzene	7.85	180	444208	39.19	ng	99
31) Naphthalene	7.92	128	1866954	52.54	ng	98
32) Benzoic acid	7.74	122	281064	33.33	ng	99
33) 4-Chloroaniline	7.99	127	166607	12.08	ng	# 89
34) Hexachlorobutadiene	8.04	225	254226	37.96	ng	99
35) Caprolactam	8.36	113	126650m	38.30	ng	
36) 4-Chloro-3-methylphenol	8.49	107	514747	43.07	ng	91
37) 2-Methylnaphthalene	8.62	142	1033896	44.83	ng	95
39) 1,2,4,5-Tetrachlorobenzene	8.79	216	425154	40.39	ng	98
40) Hexachlorocyclopentadiene	8.78	237	428306	71.56	ng	98

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083255.D
 Acq On : 25 Nov 2015 00:07
 Operator : UM/IZ
 Sample : G4518-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

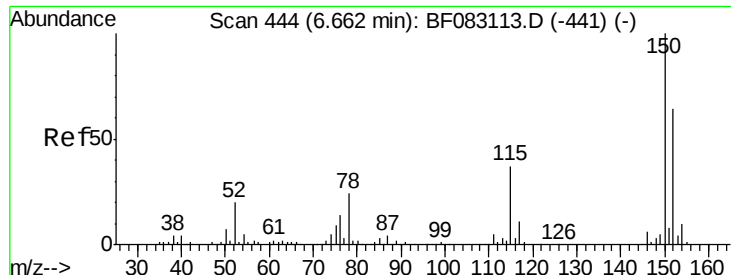
Manual Integrations
 APPROVED

Mmdadoda
 11/25/2015 12:54:47 PM

Quant Time: Nov 25 02:29:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	311117	41.27	ng	99
43) 2,4,5-Trichlorophenol	8.95	196	336436	43.64	ng #	86
45) 1,1'-Biphenyl	9.08	154	1200266	43.42	ng	100
46) 2-Chloronaphthalene	9.10	162	912202	42.01	ng	93
47) 2-Nitroaniline	9.21	65	390487	50.84	ng #	79
48) Acenaphthylene	9.51	152	1467477	43.61	ng	99
49) Dimethylphthalate	9.39	163	1098653	43.94	ng	99
50) 2,6-Dinitrotoluene	9.45	165	265762	47.37	ng #	82
51) Acenaphthene	9.68	154	868506	42.41	ng	99
52) 3-Nitroaniline	9.62	138	113702	19.01	ng	92
53) 2,4-Dinitrophenol	9.72	184	243923	75.46	ng	93
54) Dibenzofuran	9.86	168	1356072	46.83	ng	95
55) 4-Nitrophenol	9.82	139	356753	77.78	ng #	77
56) 2,4-Dinitrotoluene	9.85	165	319410	44.93	ng	95
57) Fluorene	10.19	166	1009979	42.21	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	287454	45.46	ng	95
59) Diethylphthalate	10.09	149	1100940	44.23	ng	98
60) 4-Chlorophenyl-phenylether	10.19	204	485612	44.31	ng	93
61) 4-Nitroaniline	10.24	138	258534	43.90	ng	97
62) Azobenzene	10.35	77	1431052	50.37	ng	98
64) 4,6-Dinitro-2-methylphenol	10.26	198	181364	42.11	ng	88
65) n-Nitrosodiphenylamine	10.32	169	970235	45.63	ng	99
66) 4-Bromophenyl-phenylether	10.68	248	299934	43.24	ng #	89
67) Hexachlorobenzene	10.74	284	338907	44.37	ng	99
68) Atrazine	10.86	200	327482	53.04	ng	96
69) Pentachlorophenol	10.95	266	383188	77.01	ng	97
70) Phenanthrene	11.15	178	1689916	46.92	ng	99
71) Anthracene	11.20	178	1548811	42.15	ng	100
72) Carbazole	11.36	167	1409978	43.17	ng	98
73) Di-n-butylphthalate	11.70	149	1695815	42.54	ng	100
74) Fluoranthene	12.33	202	1612635	43.75	ng	99
76) Benzidine	12.47	184	757042	60.79	ng	99
77) Pyrene	12.56	202	1737752	53.53	ng	99
79) Butylbenzylphthalate	13.19	149	704023	45.82	ng #	84
80) Benzo(a)anthracene	13.74	228	1422075	48.39	ng	98
81) 3,3'-Dichlorobenzidine	13.71	252	226685	22.16	ng #	98
82) Chrysene	13.78	228	1265436	46.43	ng	99
83) Bis(2-ethylhexyl)phthalate	13.76	149	956944	47.69	ng #	96
84) Di-n-octyl phthalate	14.37	149	1388070	40.18	ng #	94
85) Indeno(1,2,3-cd)pyrene	16.35	276	1126372	45.44	ng	96
87) Benzo(b)fluoranthene	14.74	252	1114955m	40.43	ng	
88) Benzo(k)fluoranthene	14.77	252	951195m	46.30	ng	
89) Benzo(a)pyrene	15.05	252	972947	42.74	ng #	95
90) Dibenzo(a,h)anthracene	16.37	278	950296	45.95	ng	98
91) Benzo(g,h,i)perylene	16.72	276	955924	47.35	ng #	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

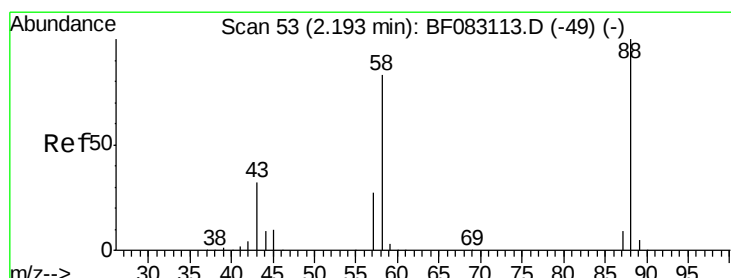
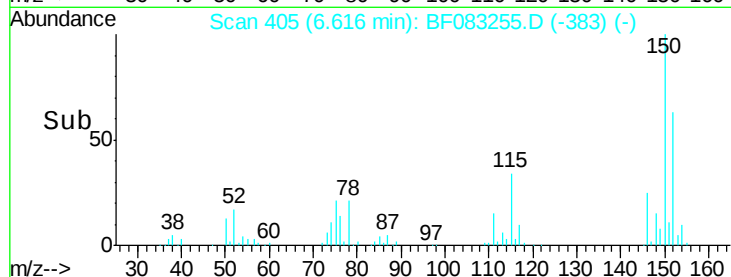
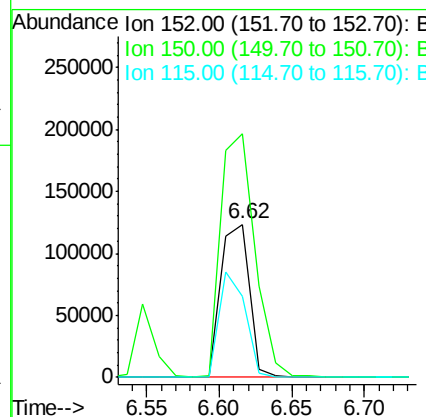
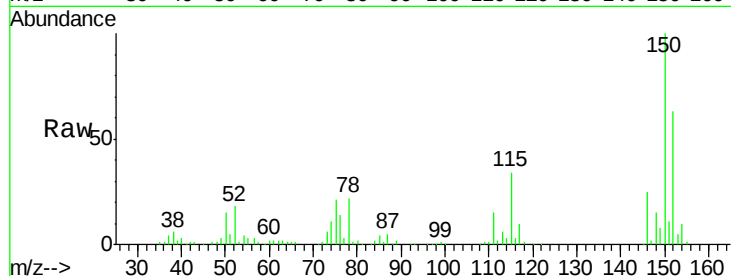
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	152	Resp:	168823
Ion Ratio	Lower	Upper	
152	100		
150	159.0	125.8	188.8
115	53.3	46.9	70.3

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#2

1,4-Dioxane

Concen: 31.57 ng

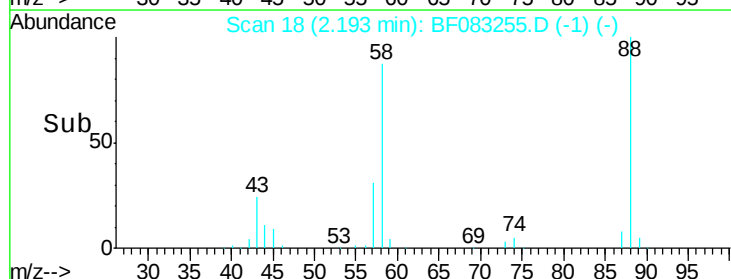
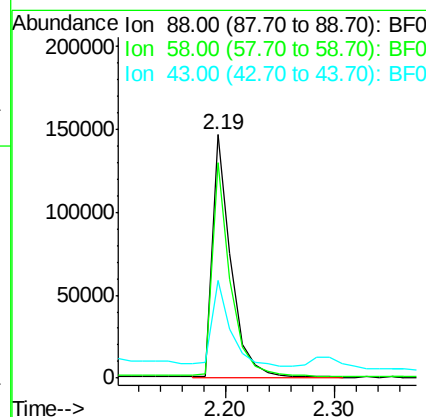
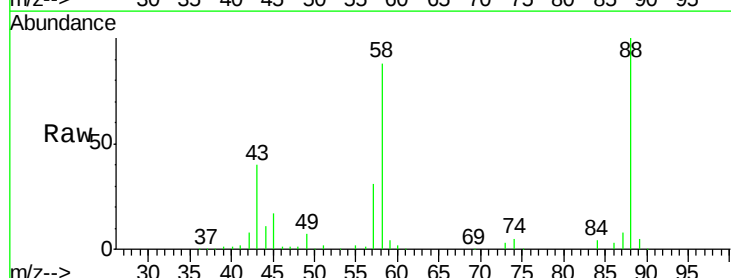
RT: 2.19 min Scan# 18

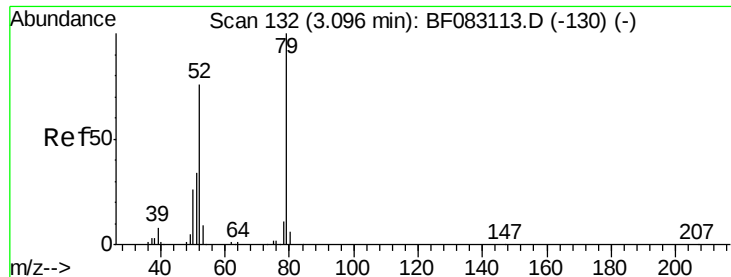
Delta R.T. 0.00 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	88	Resp:	174649
Ion Ratio	Lower	Upper	
88	100		
58	86.5	65.0	97.6
43	35.4	24.7	37.1





#3

Pyridine

Concen: 30.55 ng

RT: 2.83 min Scan# 74

Delta R.T. -0.26 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

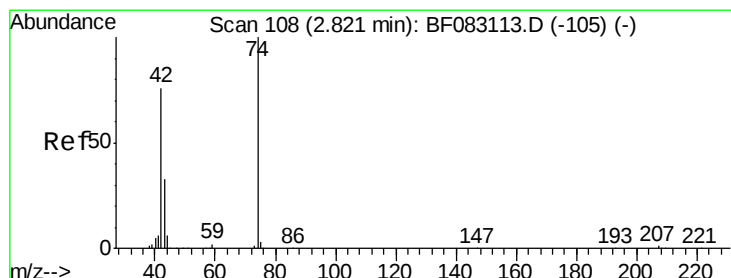
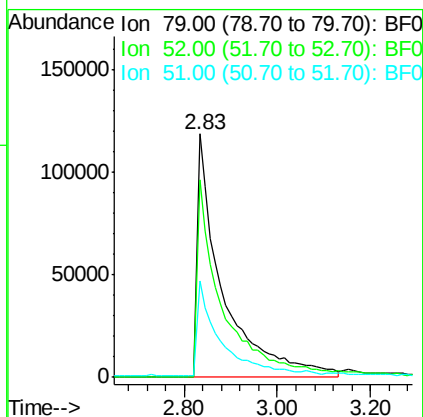
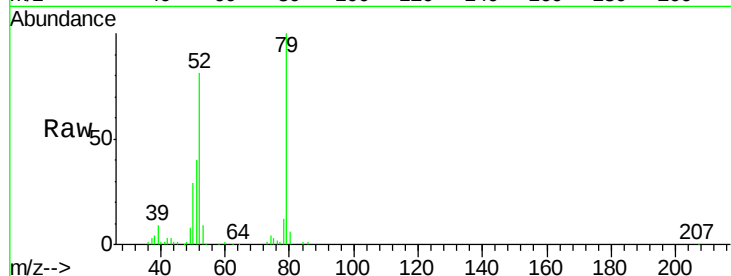
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	79	Resp:	446326
Ion Ratio	Lower	Upper	
79	100		
52	81.0	60.7	91.1
51	39.6	27.9	41.9

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#4

n-Nitrosodimethylamine

Concen: 42.79 ng

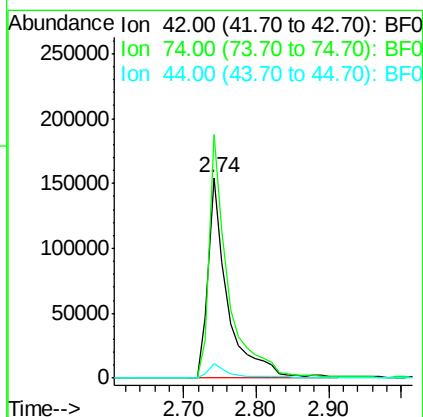
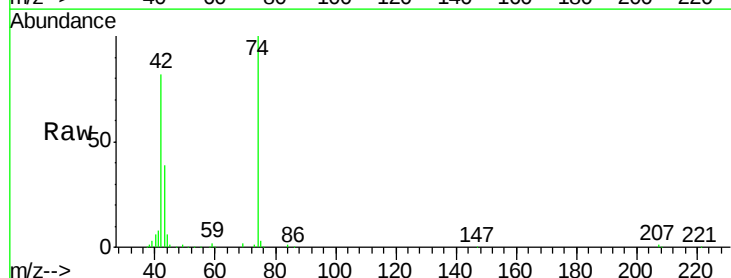
RT: 2.74 min Scan# 66

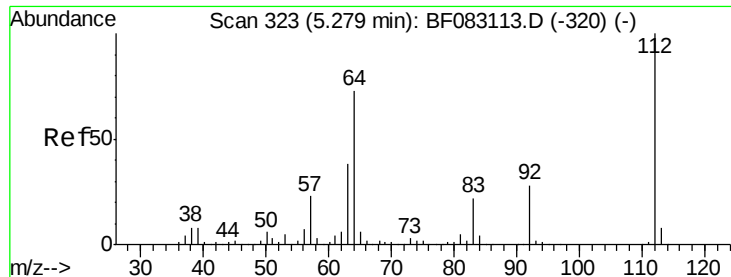
Delta R.T. -0.08 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	42	Resp:	288314
Ion Ratio	Lower	Upper	
42	100		
74	121.3	104.8	157.2
44	7.3	6.2	9.4





#5

2-Fluorophenol

Concen: 122.96 ng

RT: 5.22 min Scan# 283

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion: 112 Resp: 1373097

Ion Ratio Lower Upper

112 100

64 69.0 58.4 87.6

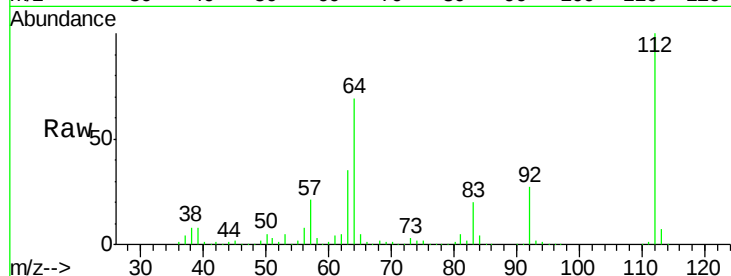
63 34.7 30.0 45.0

Manual Integrations

APPROVED

Mmdadoda

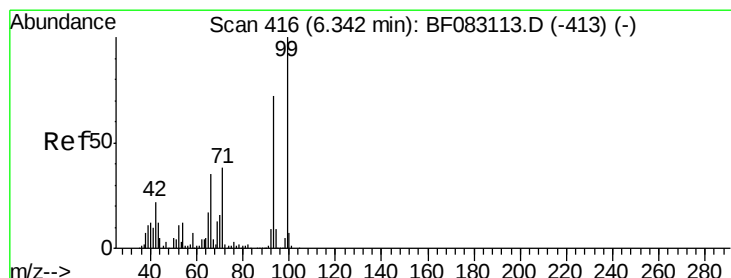
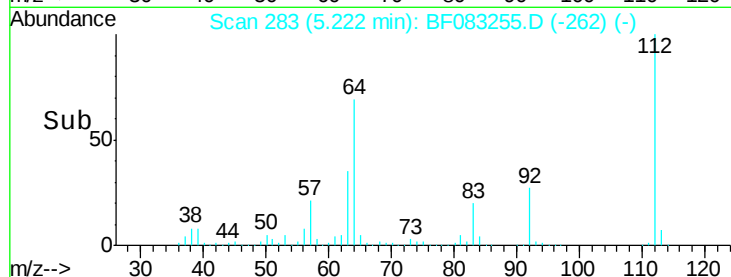
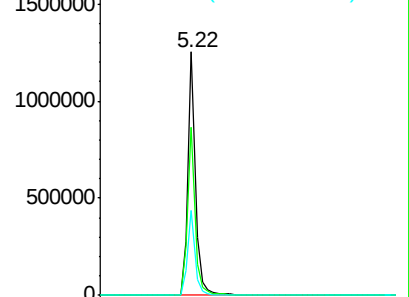
11/25/2015 12:54:47 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.64 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

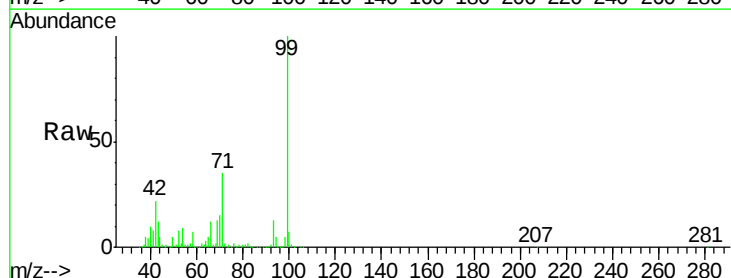
Tgt Ion: 93 Resp: 346823

Ion Ratio Lower Upper

93 100

66 92.1 38.7 58.1#

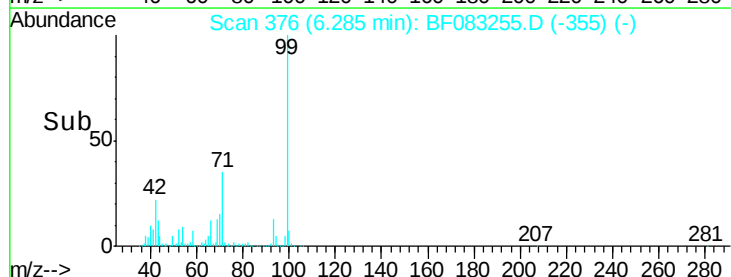
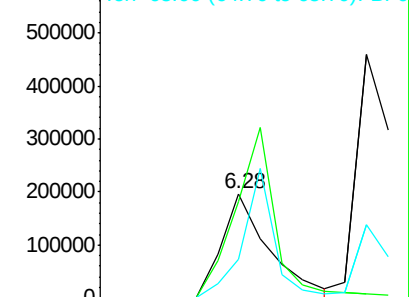
65 37.9 18.6 27.8#

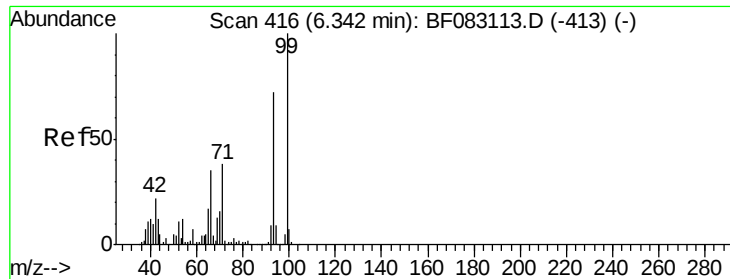


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 121.69 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion: 99 Resp: 1758162

Ion Ratio Lower Upper

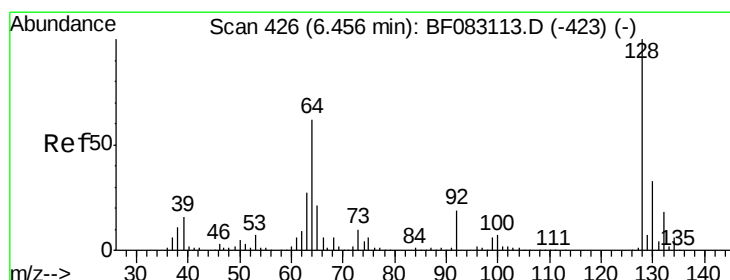
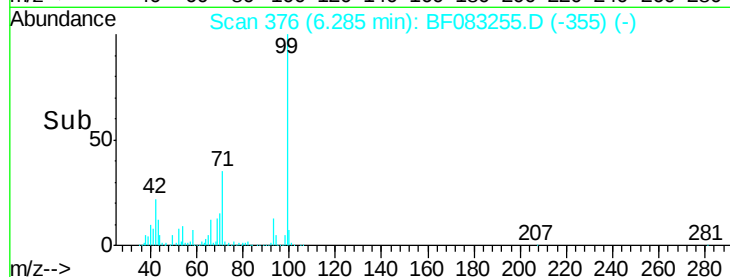
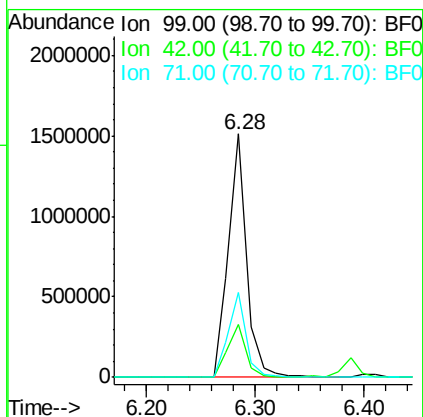
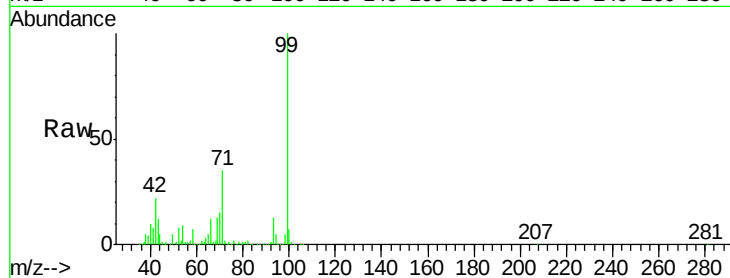
99 100

42 21.8 17.7 26.5

71 34.7 30.2 45.4

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#8

2-Chlorophenol

Concen: 39.97 ng

RT: 6.41 min Scan# 387

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

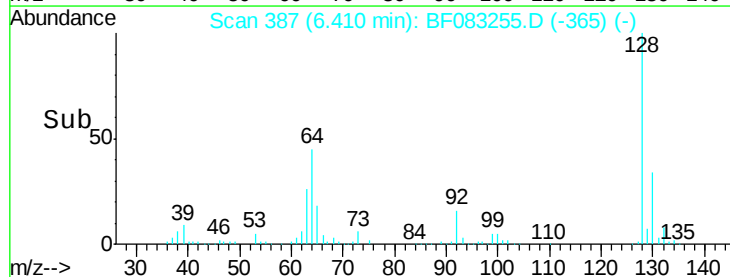
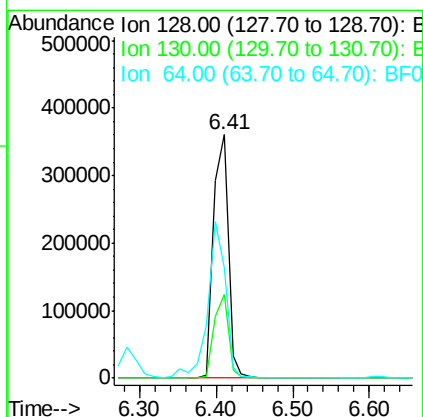
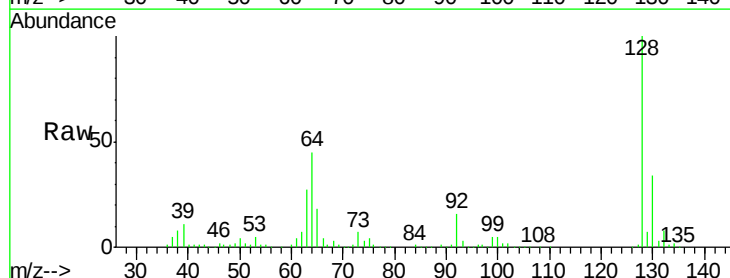
Tgt Ion: 128 Resp: 482226

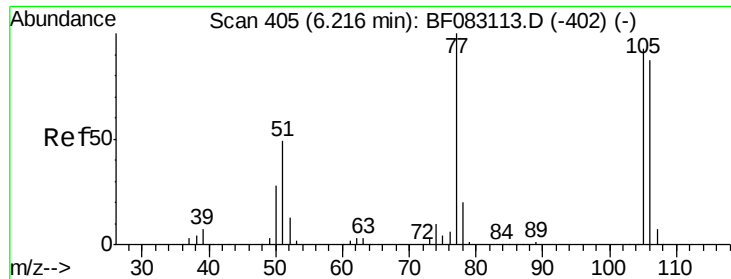
Ion Ratio Lower Upper

128 100

130 34.3 12.6 52.6

64 45.4 41.9 81.9





#9

Benzaldehyde

Concen: 27.86 ng

RT: 6.16 min Scan# 365

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

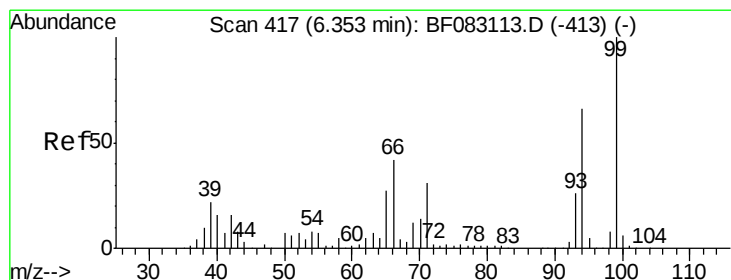
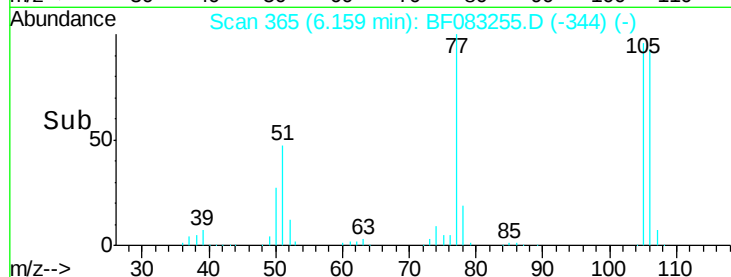
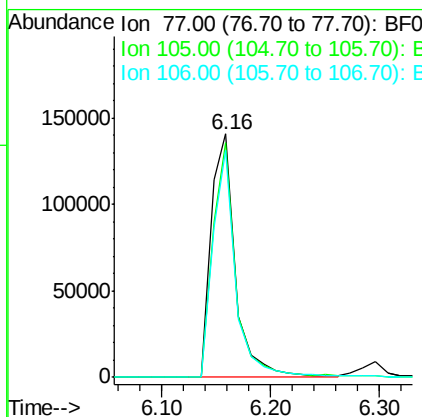
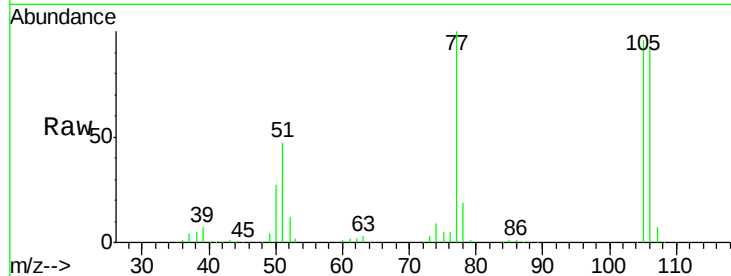
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	77	Resp:	220500
Ion Ratio	Lower	Upper	
77	100		
105	96.4	73.4	113.4
106	93.3	67.5	107.5

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#10

Phenol

Concen: 39.53 ng

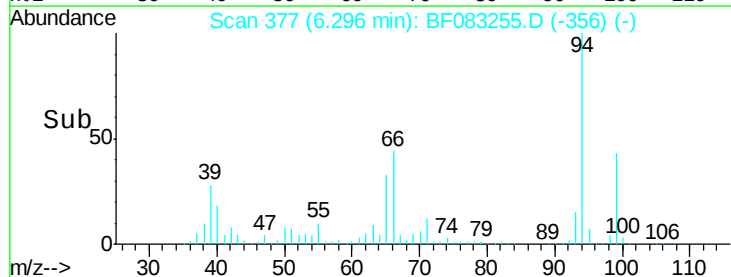
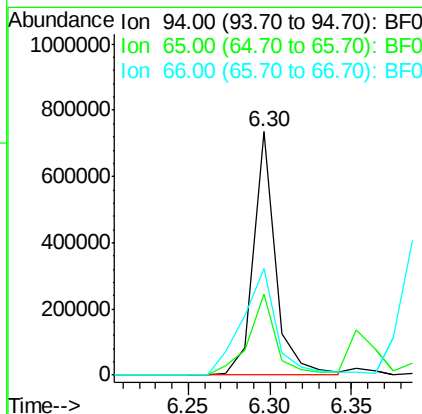
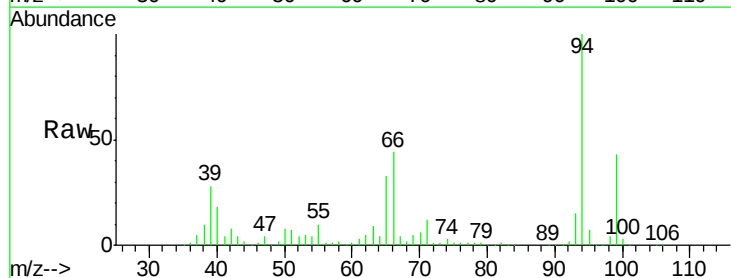
RT: 6.30 min Scan# 377

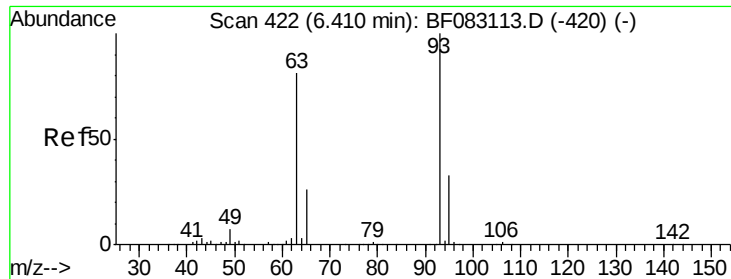
Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	94	Resp:	690892
Ion Ratio	Lower	Upper	
94	100		
65	33.2	21.1	61.1
66	43.8	43.1	83.1





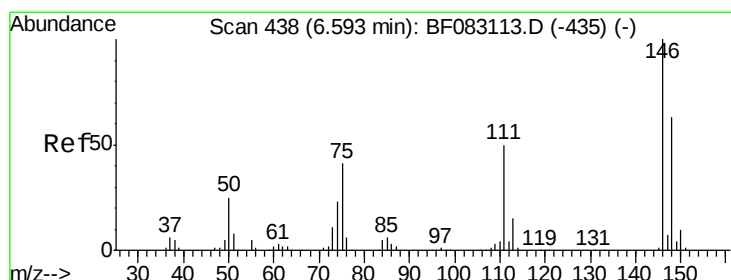
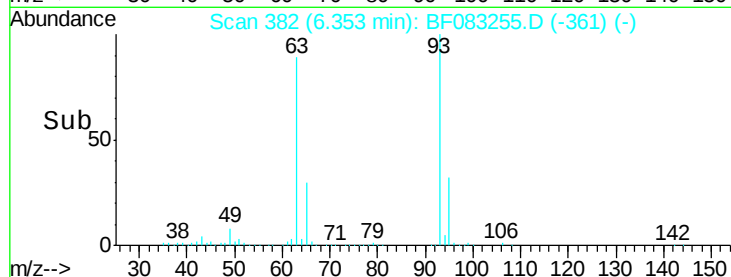
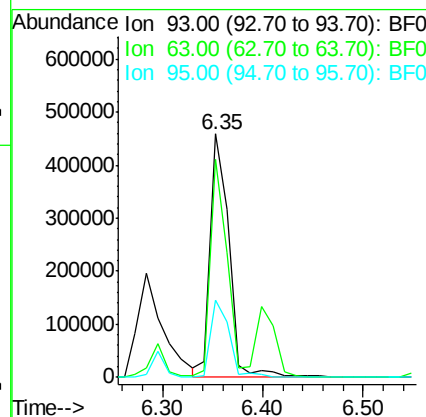
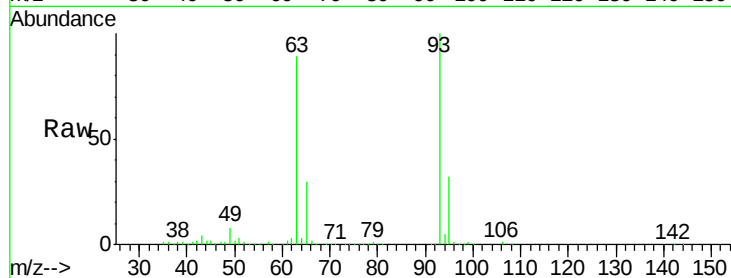
#11
bis(2-Chloroethyl)ether
Concen: 47.29 ng
RT: 6.35 min Scan# 382
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
63	89.4	59.8	99.8
95	31.8	13.0	53.0

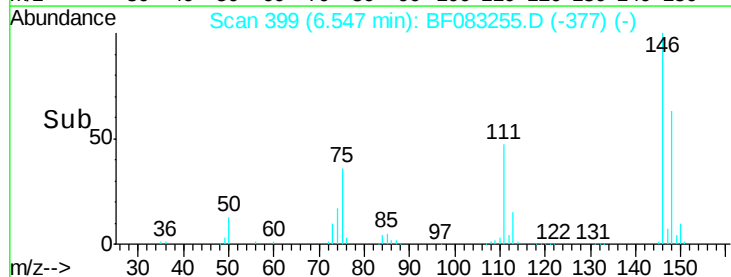
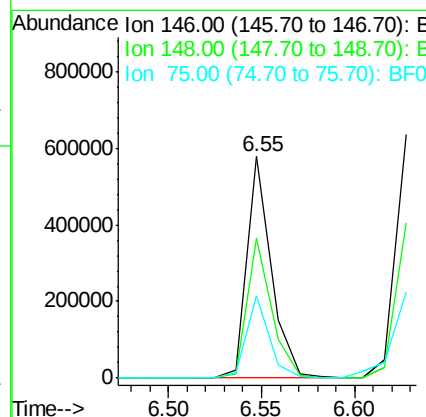
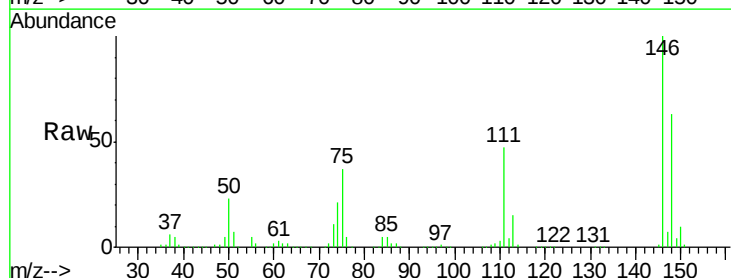
Manual Integrations
APPROVED

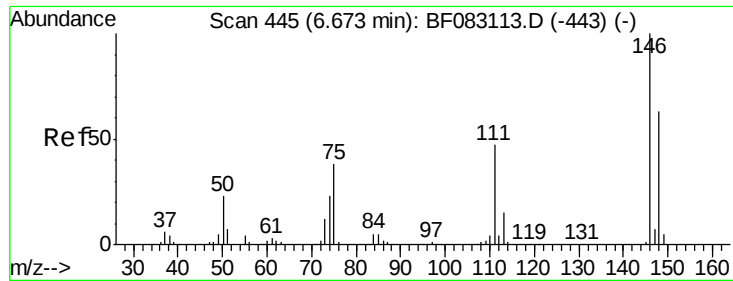
Mmdadoda
11/25/2015 12:54:47 PM



#12
1,3-Dichlorobenzene
Concen: 38.13 ng
RT: 6.55 min Scan# 399
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
148	63.3	50.2	75.2
75	37.4	32.7	49.1





#13

1,4-Dichlorobenzene

Concen: 39.57 ng

RT: 6.63 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

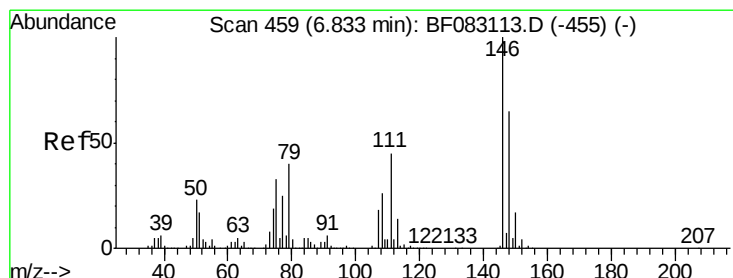
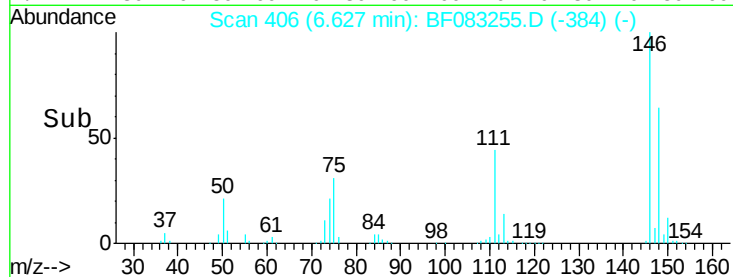
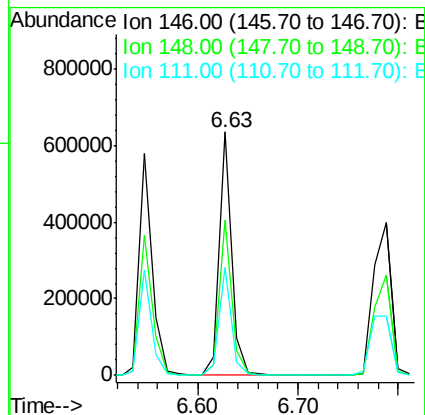
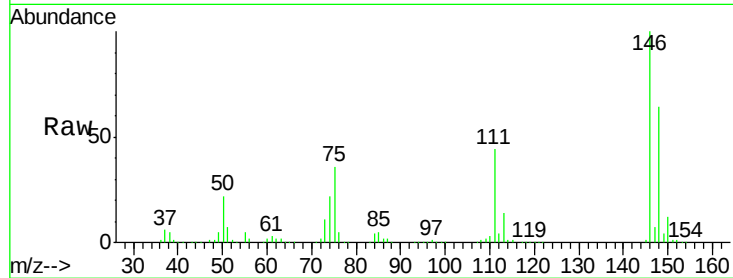
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	146	Resp:	551349
Ion Ratio	Lower	Upper	
146	100		
148	64.0	50.2	75.2
111	44.3	37.5	56.3

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#14

1,2-Dichlorobenzene

Concen: 38.76 ng

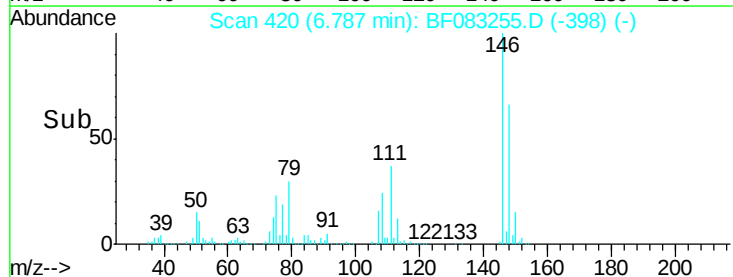
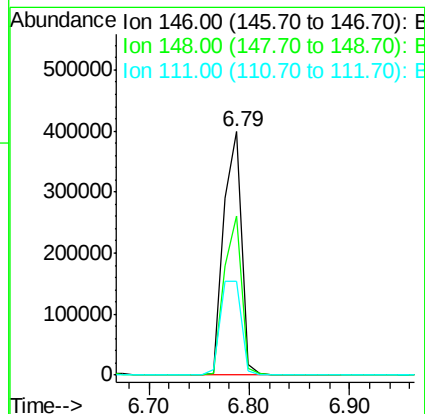
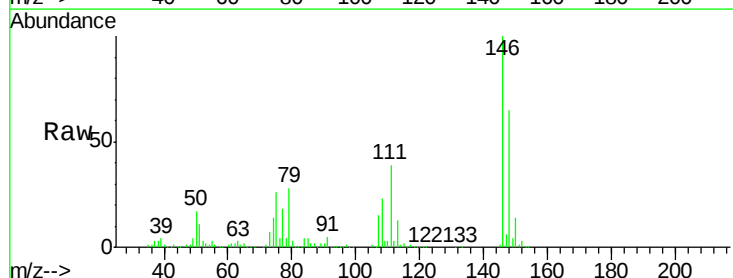
RT: 6.79 min Scan# 420

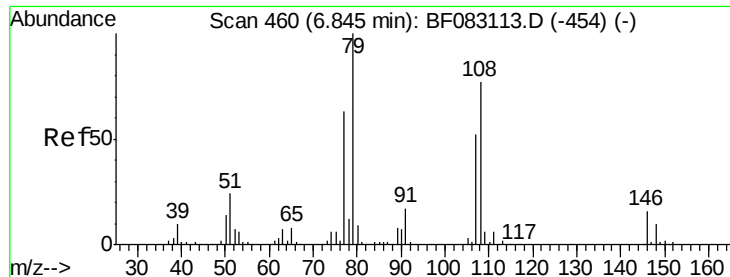
Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	146	Resp:	490882
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.8	77.6
111	38.8	36.2	54.4





#15

Benzyl Alcohol

Concen: 42.99 ng

RT: 6.78 min Scan# 419

Delta R.T. -0.07 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

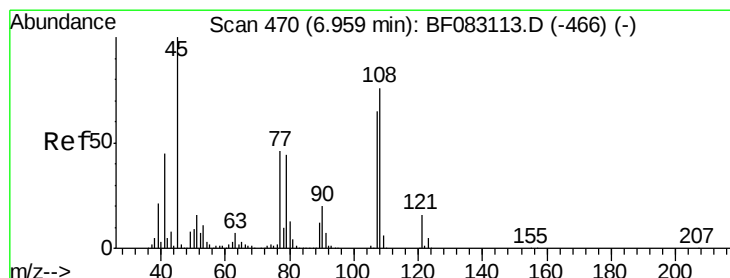
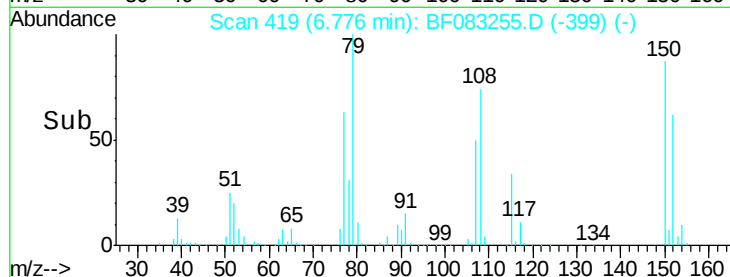
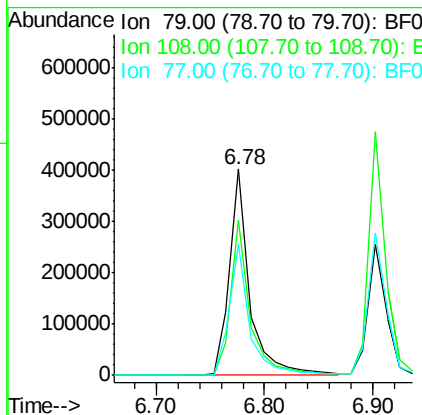
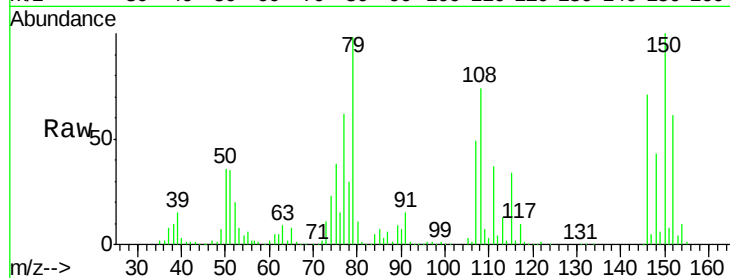
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	79	Resp:	519041
Ion Ratio	Lower	Upper	
79	100		
108	75.3	61.4	92.2
77	63.2	50.5	75.7

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.78 ng

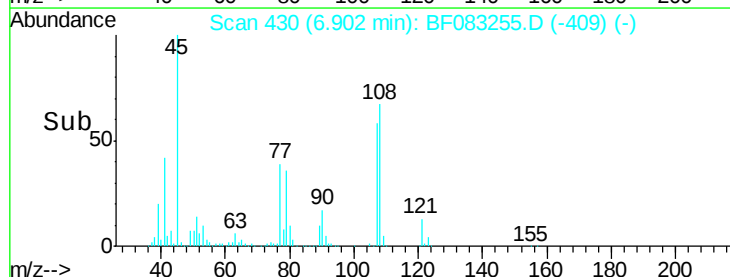
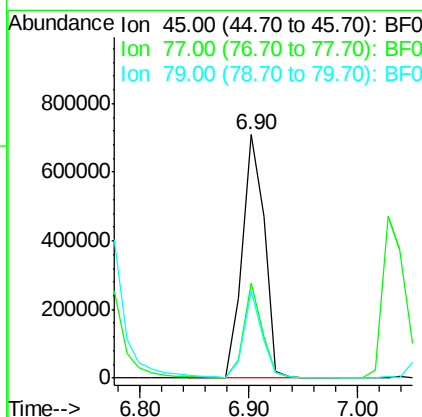
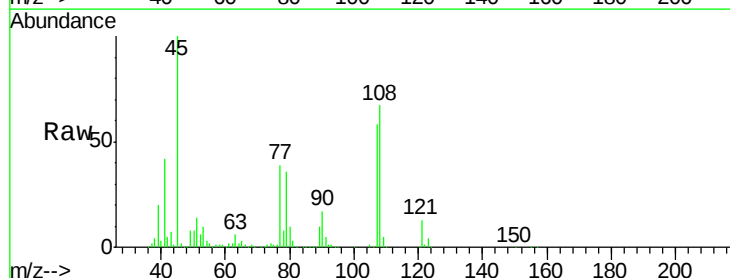
RT: 6.90 min Scan# 430

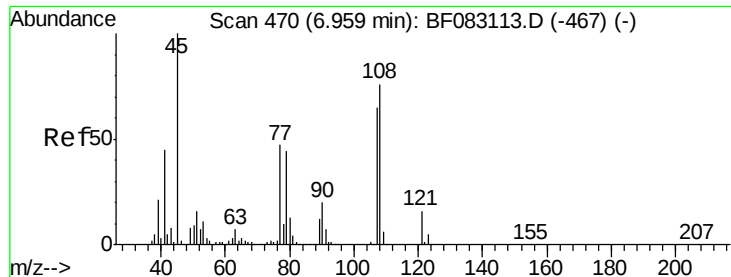
Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	45	Resp:	988360
Ion Ratio	Lower	Upper	
45	100		
77	39.3	26.7	66.7
79	36.0	24.3	64.3





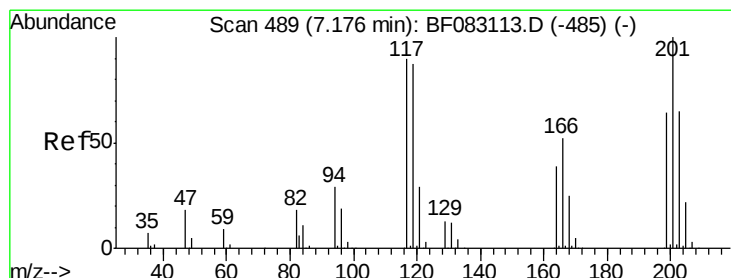
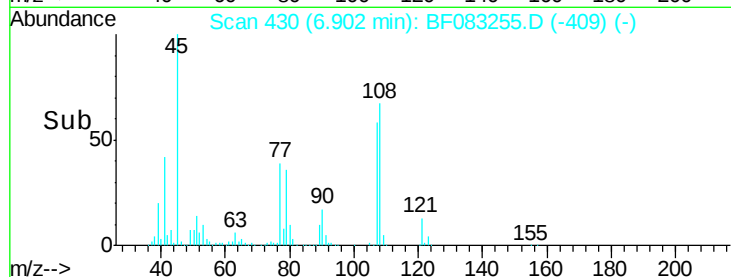
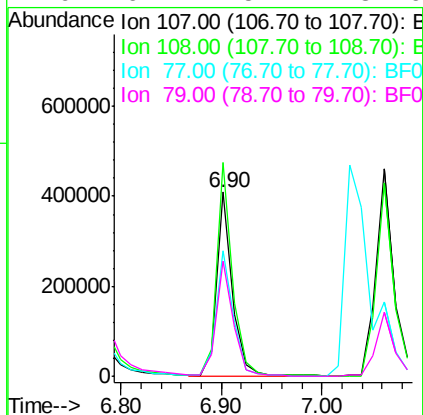
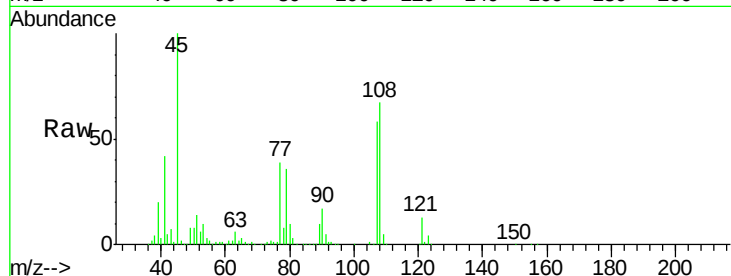
#17
2-Methylphenol
Concen: 43.87 ng
RT: 6.90 min Scan# 430
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion:	107	Resp:	437910
Ion Ratio	Lower	Upper	
107	100		
108	116.0	93.8	140.6
77	68.2	57.4	86.0
79	62.4	54.4	81.6

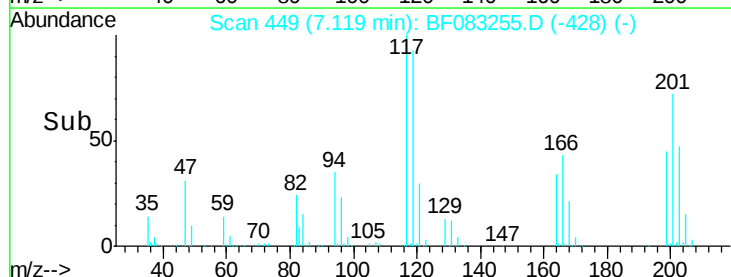
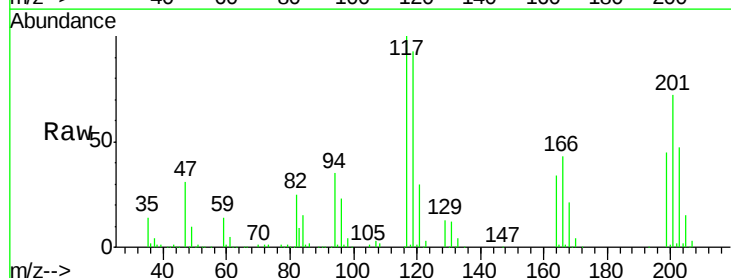
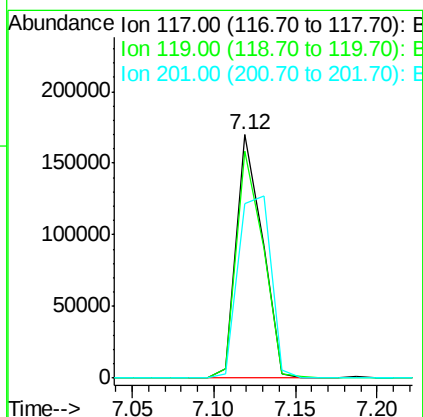
Manual Integrations
APPROVED

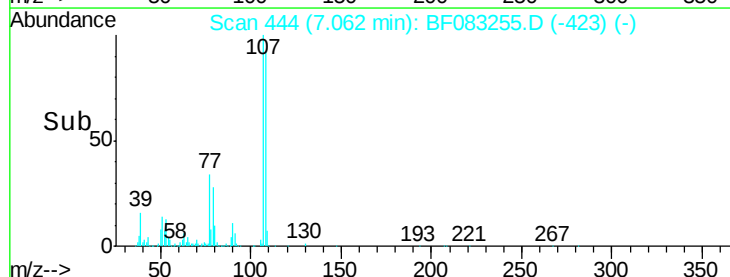
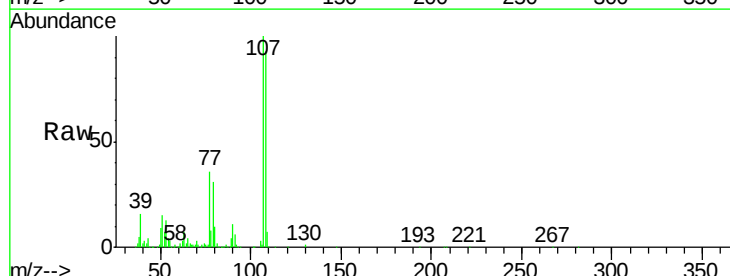
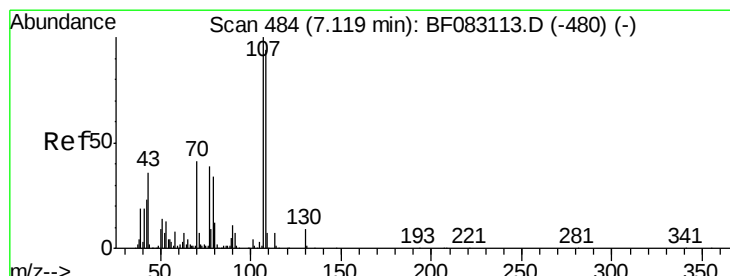
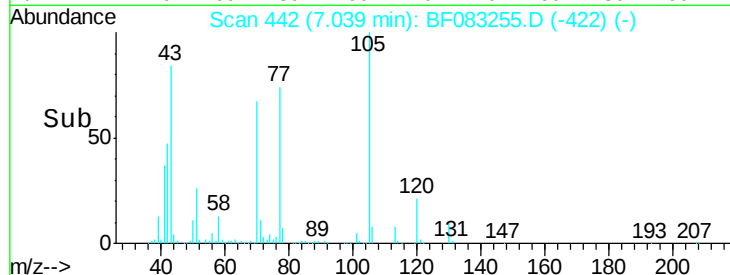
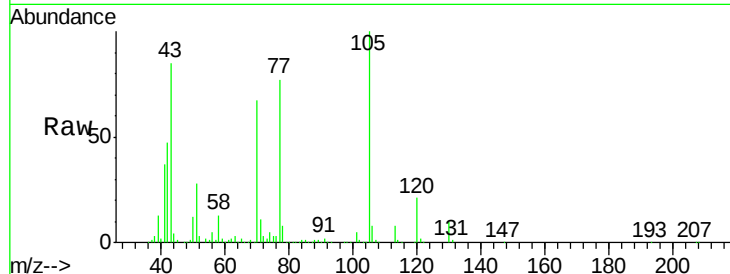
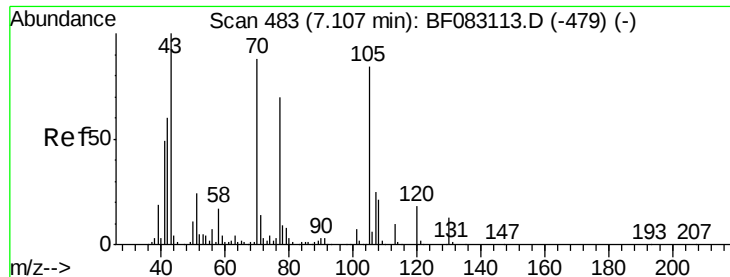
Mmdadoda
11/25/2015 12:54:47 PM



#18
Hexachloroethane
Concen: 38.13 ng
RT: 7.12 min Scan# 449
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion:	117	Resp:	187159
Ion Ratio	Lower	Upper	
117	100		
119	93.4	76.8	115.2
201	71.8	88.6	133.0#





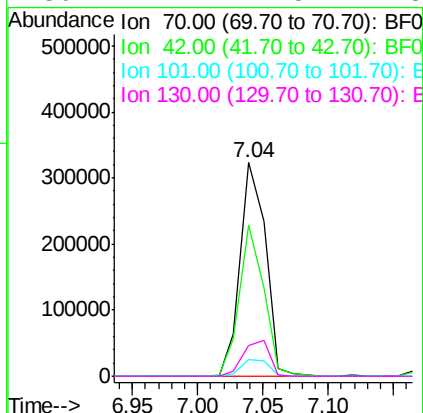
#19
n-Nitroso-di-n-propylamine
Concen: 43.63 ng
RT: 7.04 min Scan# 442
Delta R.T. -0.07 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Lower	Upper
70	100		
42	70.6	54.5	81.7
101	8.0	6.6	9.8
130	14.7	11.5	17.3

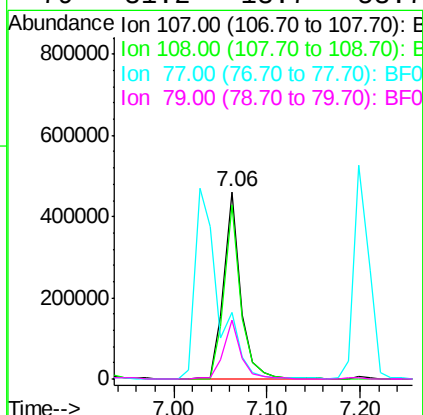
Manual Integrations
APPROVED

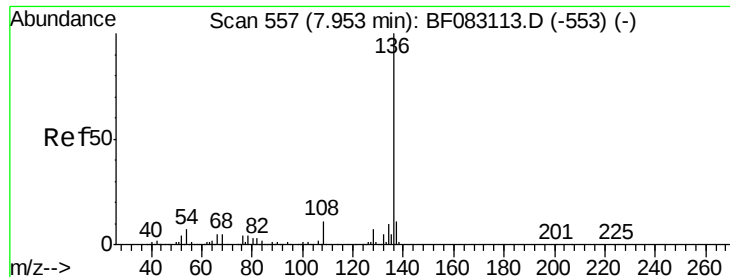
Mmdadoda
11/25/2015 12:54:47 PM



#20
3+4-Methylphenols
Concen: 46.14 ng
RT: 7.06 min Scan# 444
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.2	73.8	113.8
77	35.6	19.1	59.1
79	31.2	13.7	53.7





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

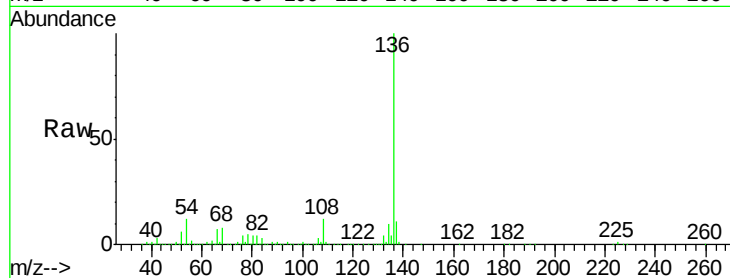
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	658454		
137	10.9	8.7	13.1	
54	12.0	5.8	8.6#	
68	7.8	3.8	5.8#	

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



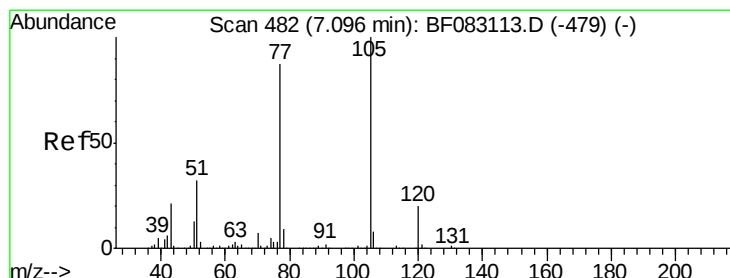
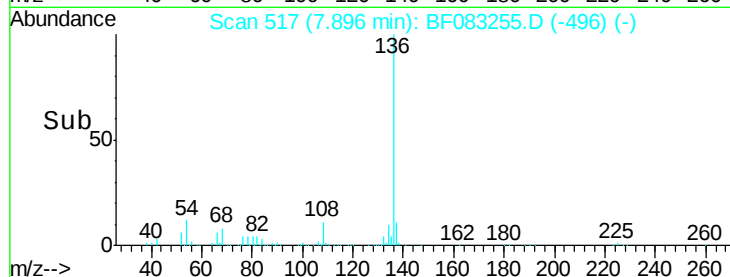
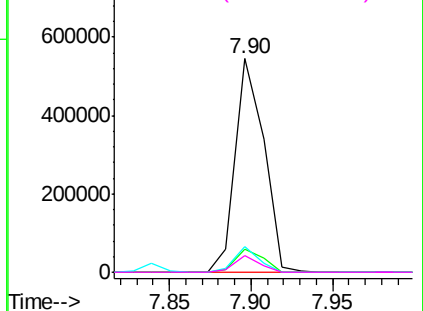
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 41.00 ng

RT: 7.03 min Scan# 441

Delta R.T. -0.07 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	775074		
71	1.9	1.0	1.4#	
51	35.2	25.6	38.4	
120	19.4	15.8	23.6	

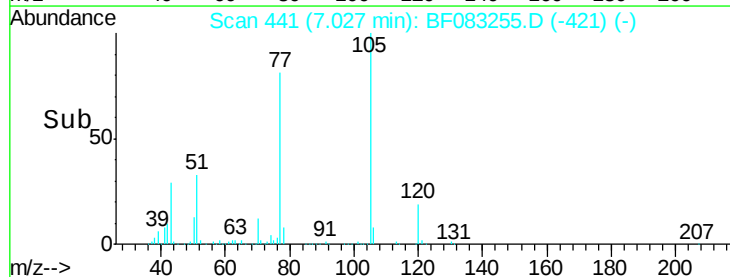
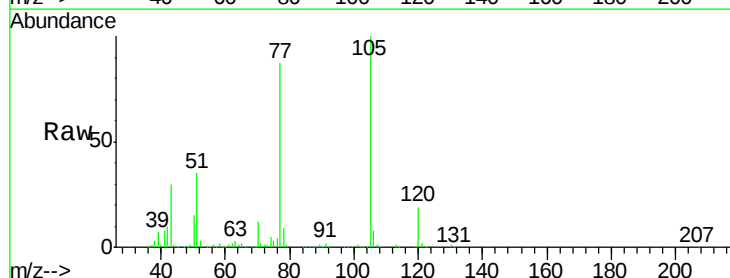
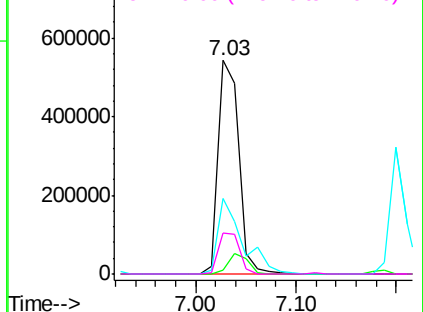
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





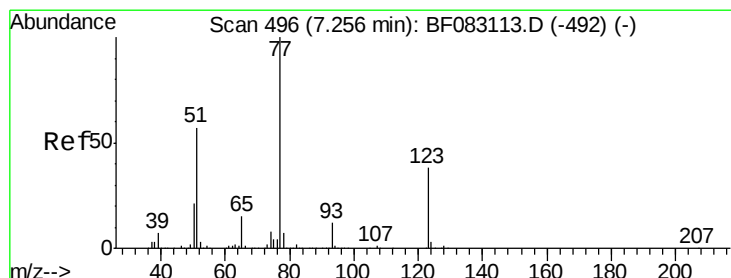
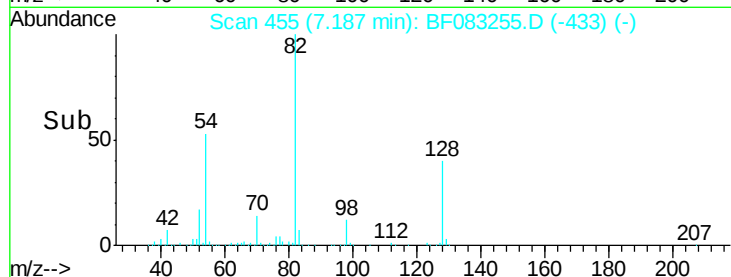
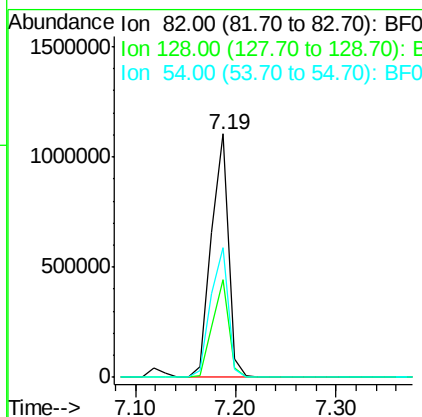
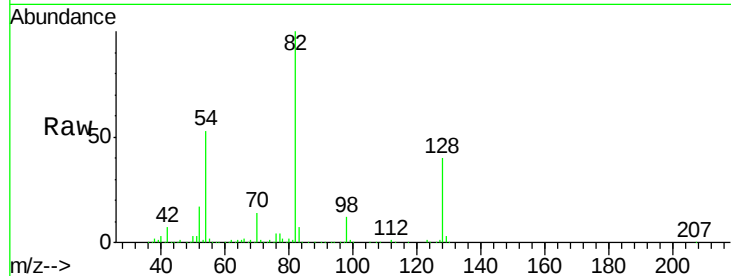
#23
 Nitrobenzene-d5
 Concen: 90.81 ng
 RT: 7.19 min Scan# 455
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion: 82 Resp: 1308514
 Ion Ratio Lower Upper
 82 100
 128 40.3 28.5 42.7
 54 53.1 44.6 67.0

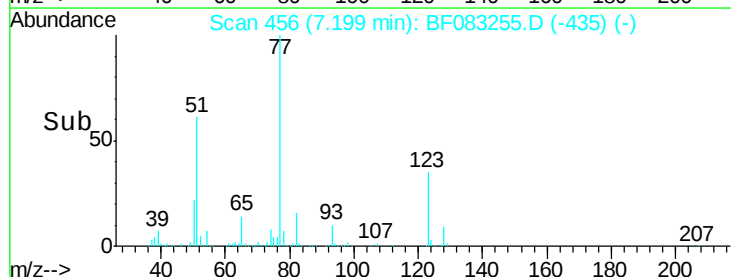
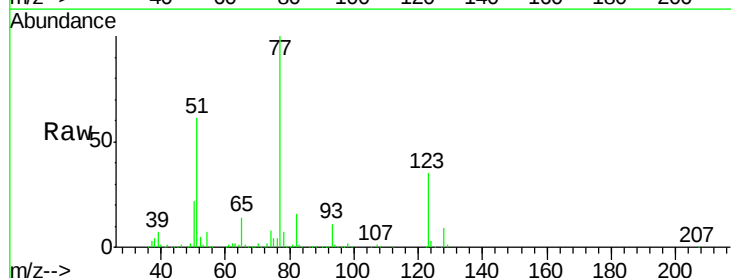
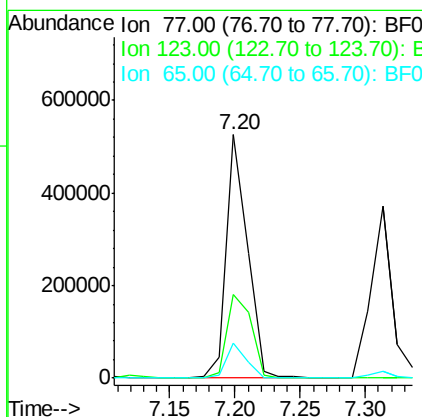
Manual Integrations
 APPROVED

Mmdadoda
 11/25/2015 12:54:47 PM



#24
 Nitrobenzene
 Concen: 38.26 ng
 RT: 7.20 min Scan# 456
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion: 77 Resp: 589100
 Ion Ratio Lower Upper
 77 100
 123 34.5 30.1 45.1
 65 14.3 11.6 17.4





#25

Isophorone

Concen: 43.73 ng

RT: 7.45 min Scan# 478

Delta R.T. -0.08 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion: 82 Resp: 1193136

Ion Ratio Lower Upper

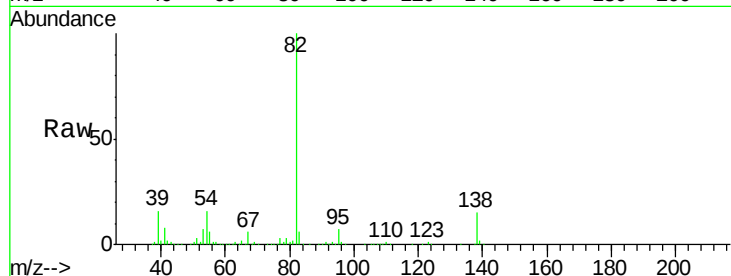
82 100

95 6.6 5.8 8.8

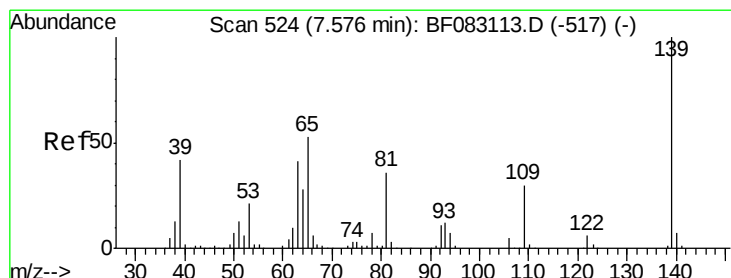
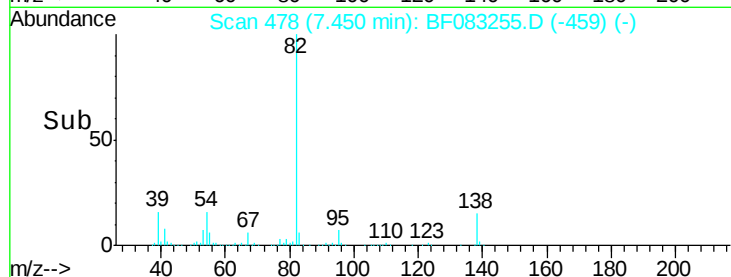
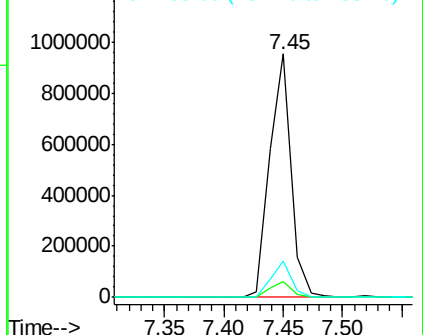
138 15.1 11.6 17.4

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 37.20 ng

RT: 7.52 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

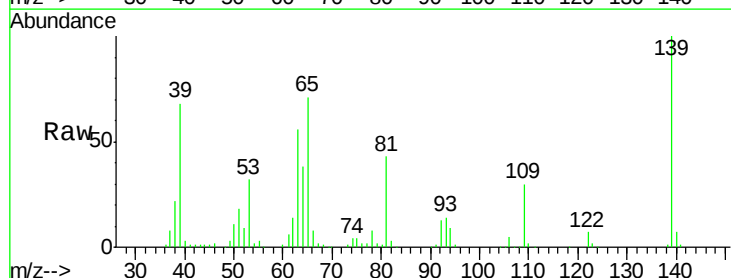
Tgt Ion: 139 Resp: 252835

Ion Ratio Lower Upper

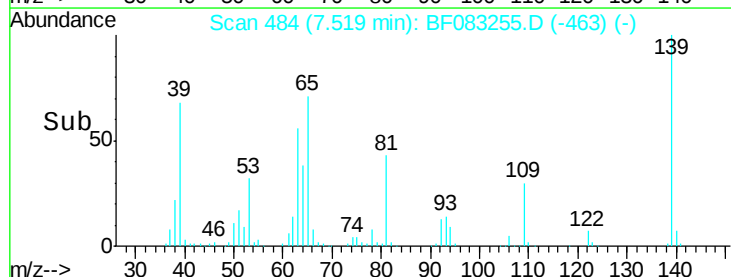
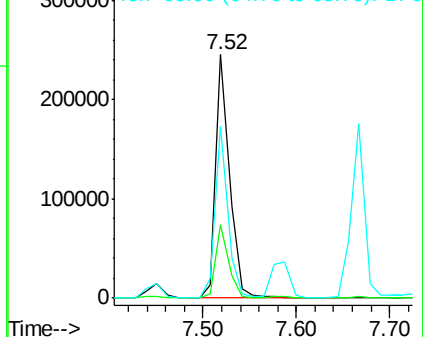
139 100

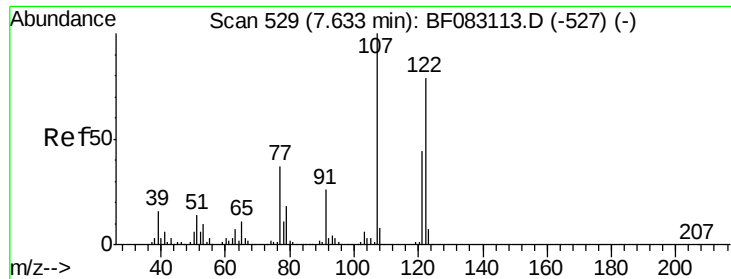
109 30.4 23.9 35.9

65 70.6 42.7 64.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





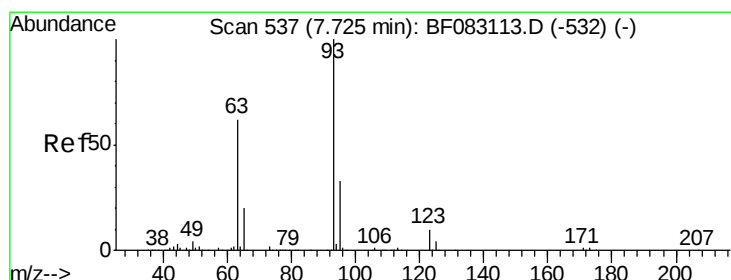
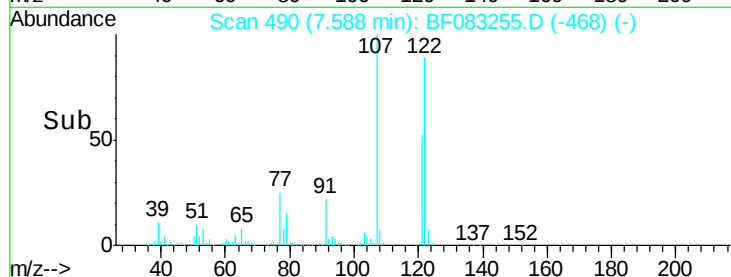
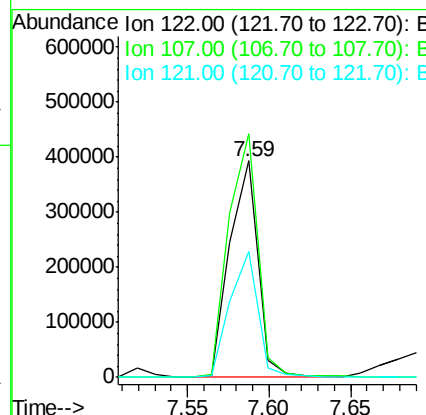
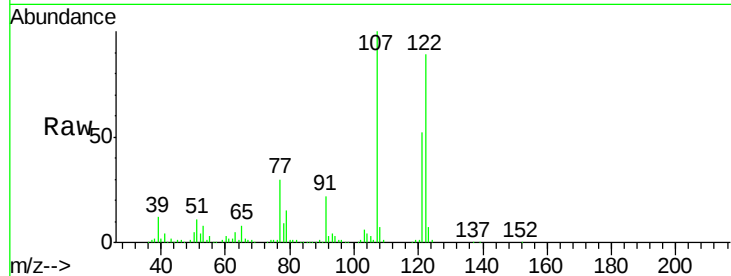
#27
 2,4-Dimethylphenol
 Concen: 43.48 ng
 RT: 7.59 min Scan# 490
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	471643		
107	112.4	101.1	151.7	
121	58.3	44.9	67.3	

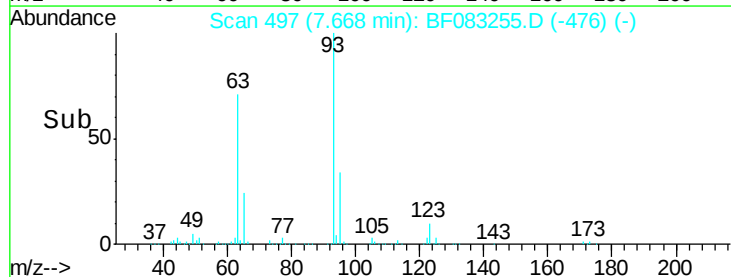
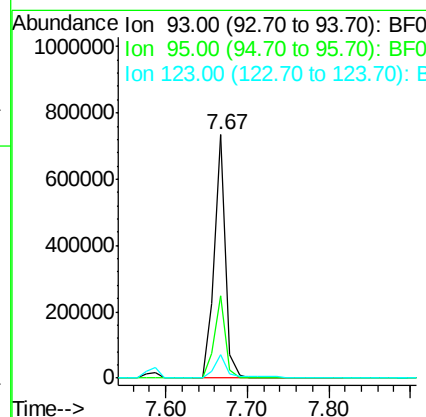
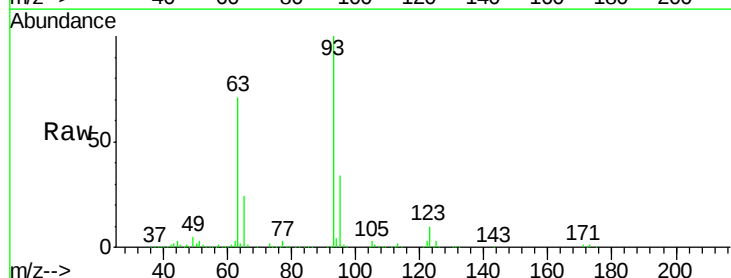
Manual Integrations
 APPROVED

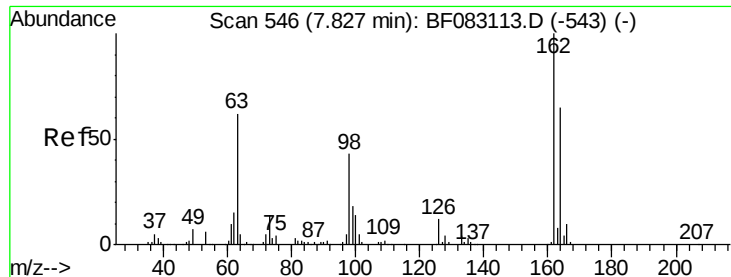
Mmdadoda
 11/25/2015 12:54:47 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.65 ng
 RT: 7.67 min Scan# 497
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	724226		
95	33.8	26.5	39.7	
123	9.9	8.1	12.1	





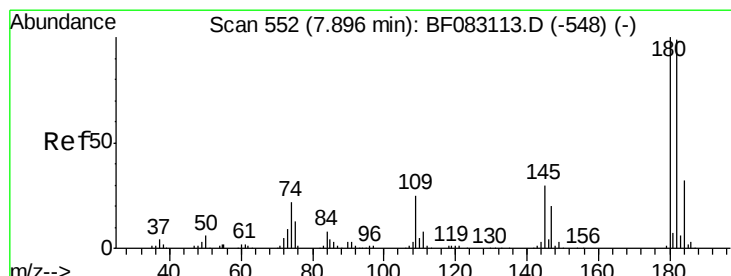
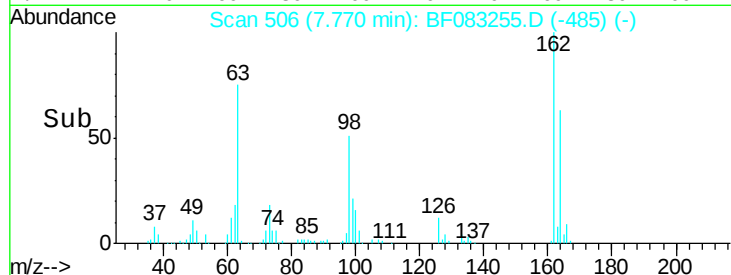
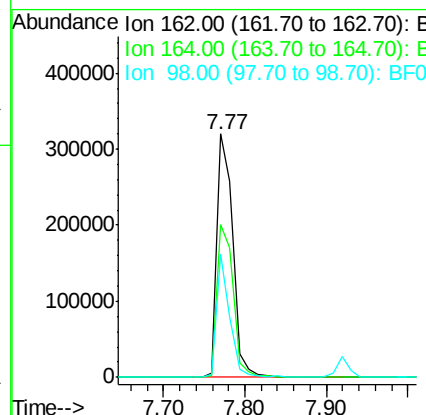
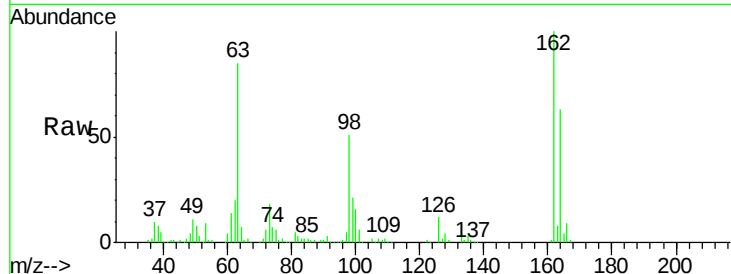
#29
 2,4-Dichlorophenol
 Concen: 42.21 ng
 RT: 7.77 min Scan# 506
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	435501		
164	63.0	44.8	84.8	
98	50.8	23.1	63.1	

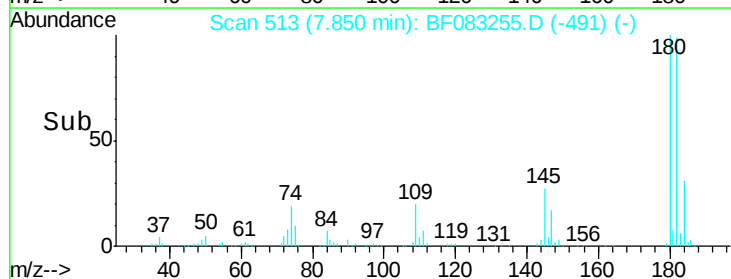
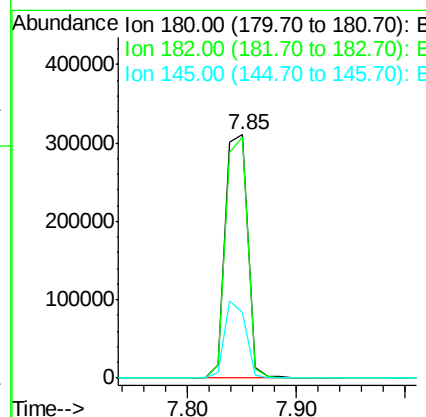
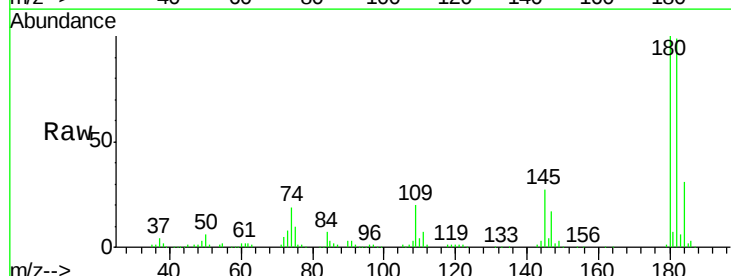
Manual Integrations
 APPROVED

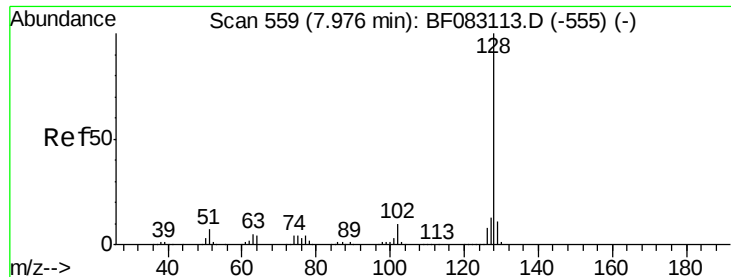
Mmdadoda
 11/25/2015 12:54:47 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 39.19 ng
 RT: 7.85 min Scan# 513
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	444208		
182	98.9	79.0	118.6	
145	27.1	24.2	36.2	





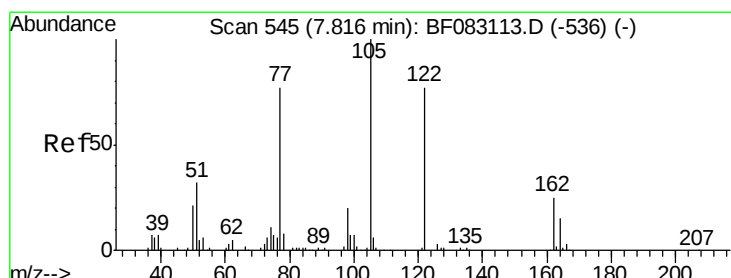
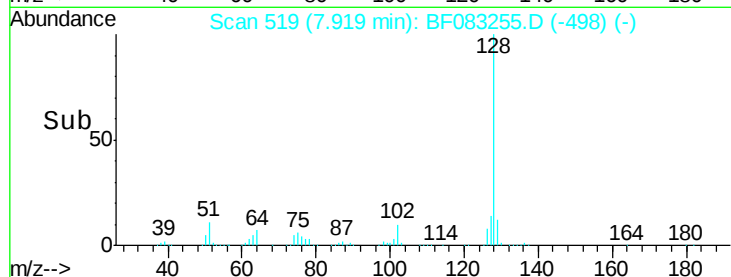
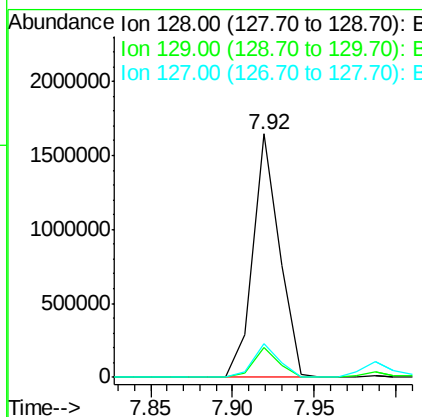
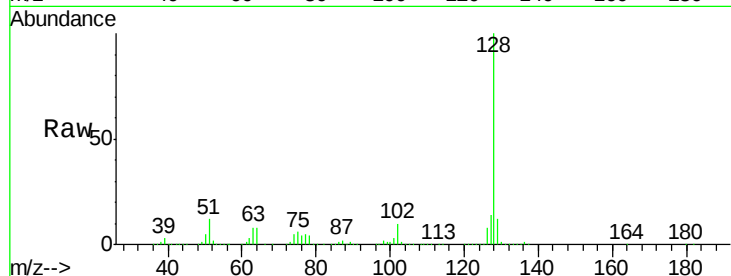
#31
Naphthalene
Concen: 52.54 ng
RT: 7.92 min Scan# 519
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion:128 Resp: 1866954
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.4
127 13.7 10.6 15.8

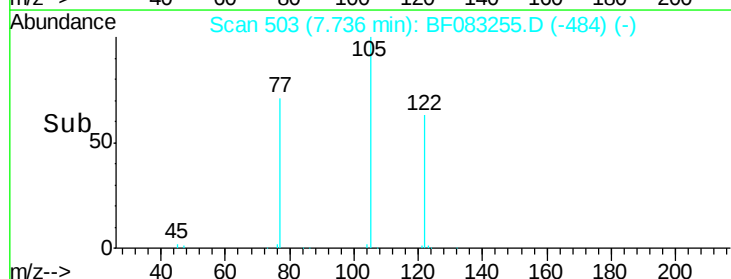
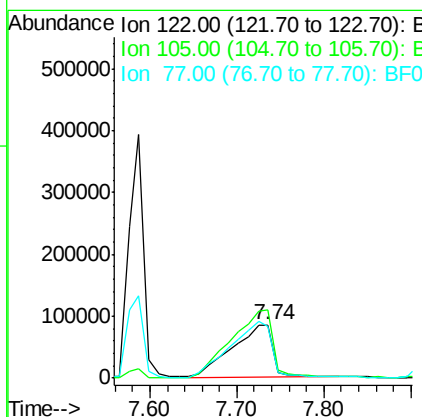
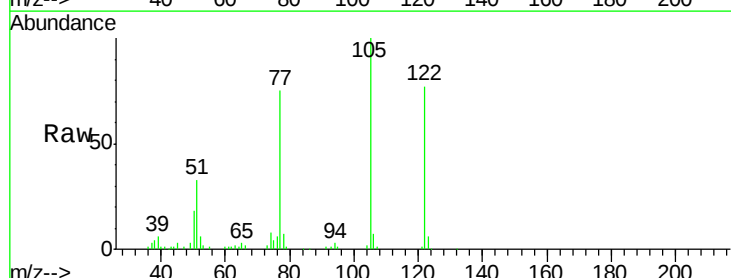
Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#32
Benzoic acid
Concen: 33.33 ng
RT: 7.74 min Scan# 503
Delta R.T. -0.08 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion:122 Resp: 281064
Ion Ratio Lower Upper
122 100
105 129.6 109.7 149.7
77 97.2 79.7 119.7





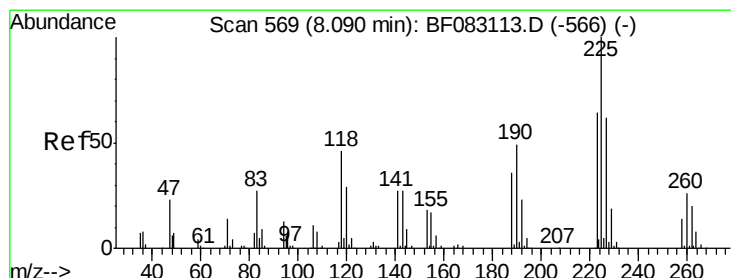
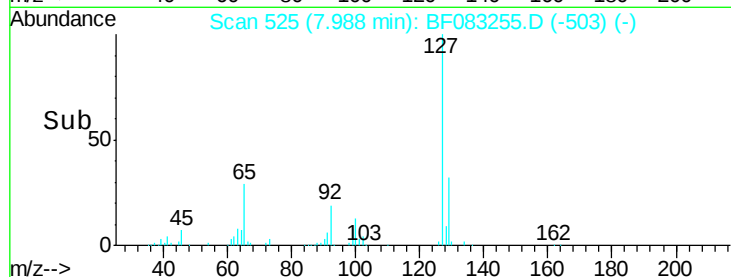
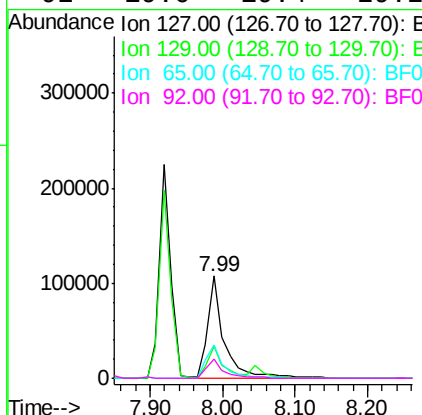
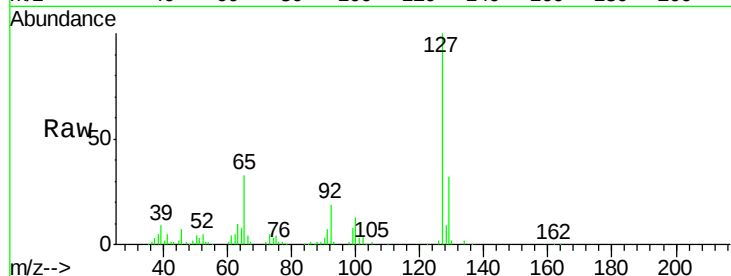
#33
 4-Chloroaniline
 Concen: 12.08 ng
 RT: 7.99 min Scan# 525
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	166607		
129	31.9	25.7	38.5	
65	32.7	35.5	53.3	
92	19.0	19.4	29.2	

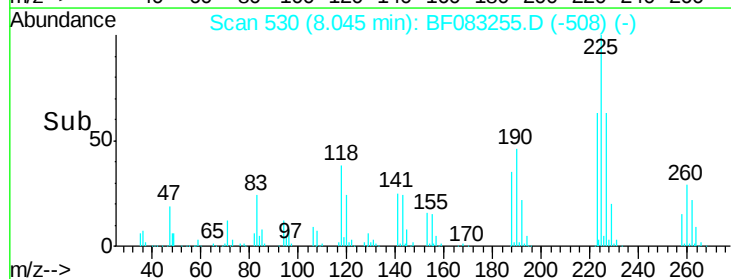
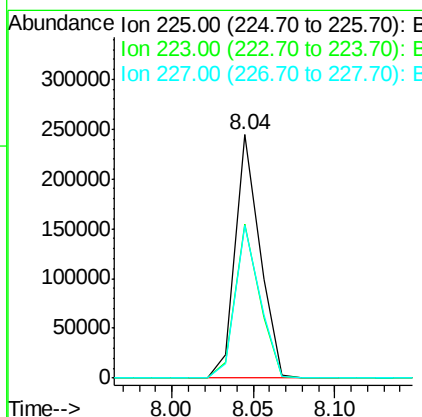
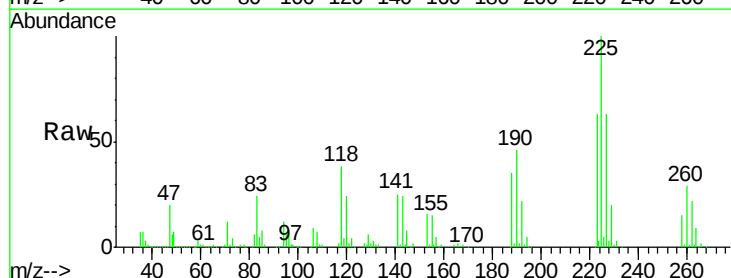
Manual Integrations
 APPROVED

Mmdadoda
 11/25/2015 12:54:47 PM



#34
 Hexachlorobutadiene
 Concen: 37.96 ng
 RT: 8.04 min Scan# 530
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	254226		
223	63.2	51.3	76.9	
227	63.0	49.8	74.8	





#35

Caprolactam

Concen: 38.30 ng m

RT: 8.36 min Scan# 558

Delta R.T. -0.13 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

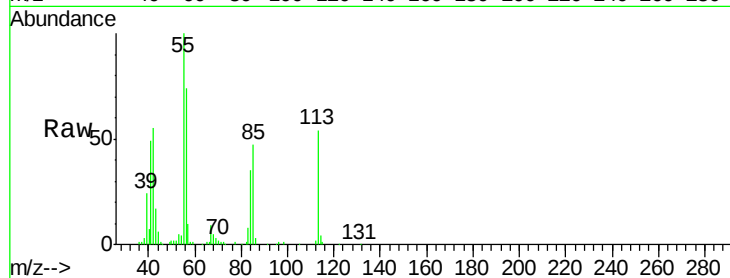
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	113	Resp:	126650
Ion Ratio	Lower	Upper	
113	100		
55	184.3	192.6	232.6#
56	136.0	148.6	188.6#

Manual Integrations
APPROVED

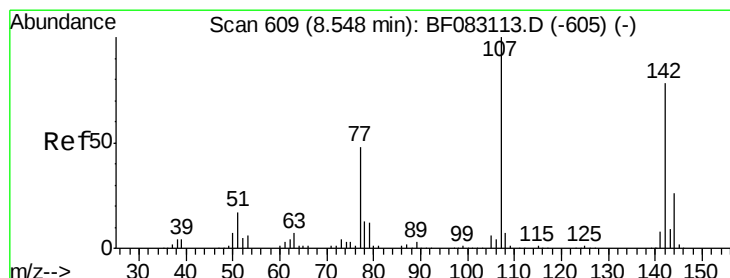
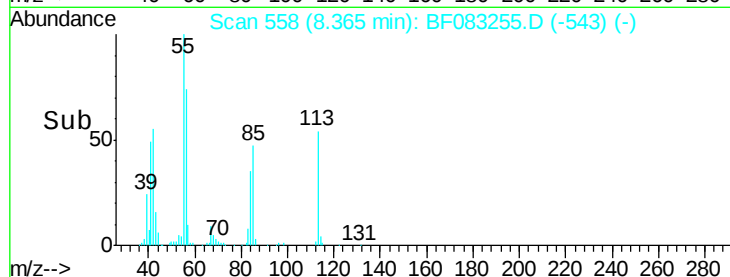
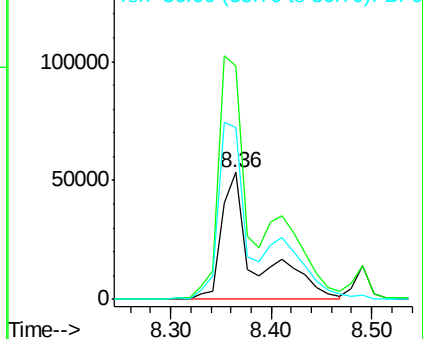
Mmdadoda
11/25/2015 12:54:47 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 43.07 ng

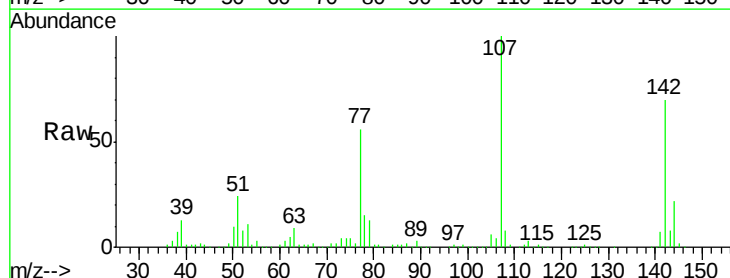
RT: 8.49 min Scan# 569

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

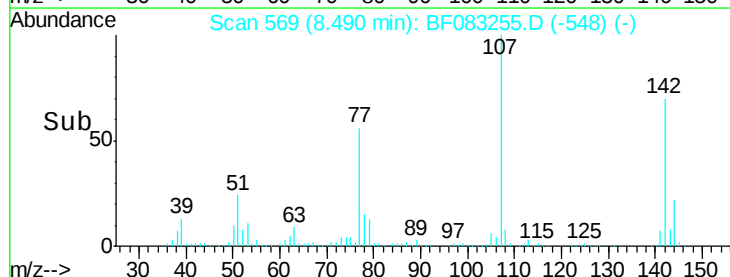
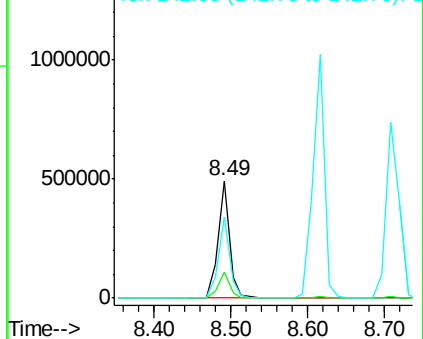
Tgt Ion:	107	Resp:	514747
Ion Ratio	Lower	Upper	
107	100		
144	22.2	20.8	31.2
142	69.5	62.1	93.1

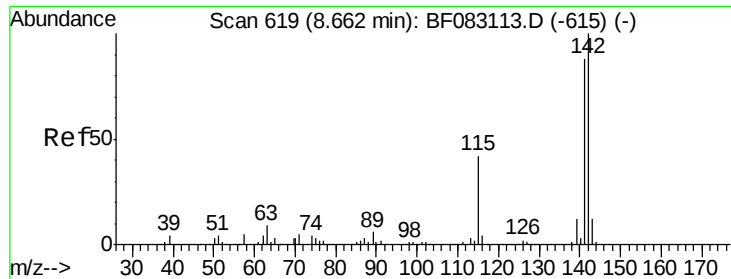


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





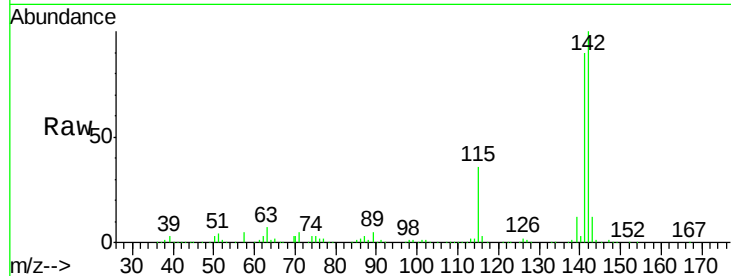
#37
2-Methylnaphthalene
Concen: 44.83 ng
RT: 8.62 min Scan# 580
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

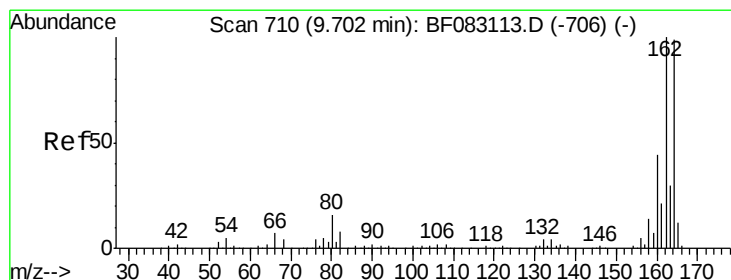
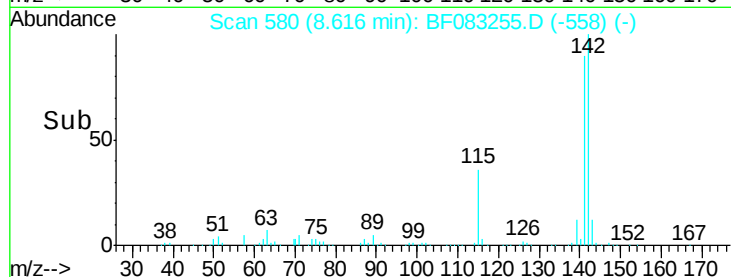
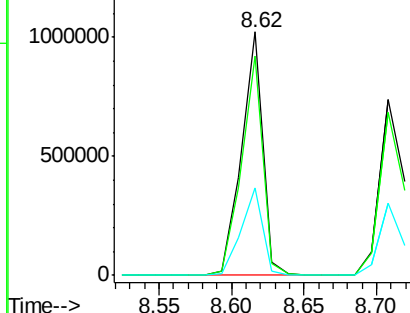
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5
115	35.9	33.4	50.2

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



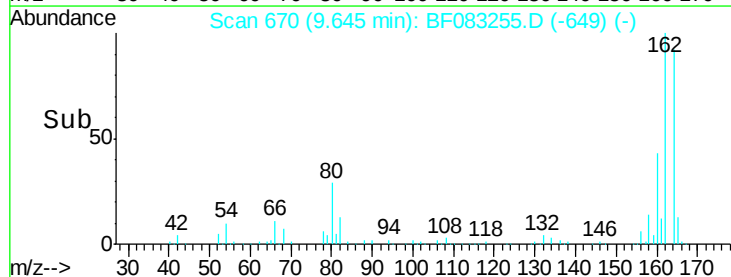
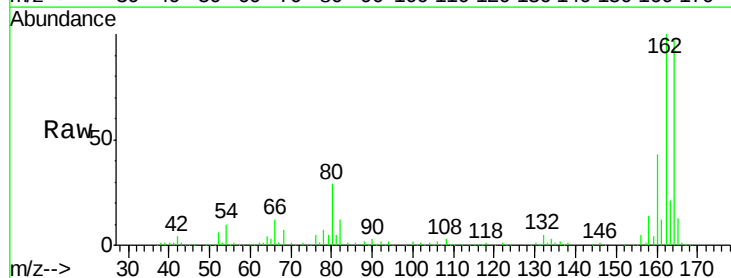
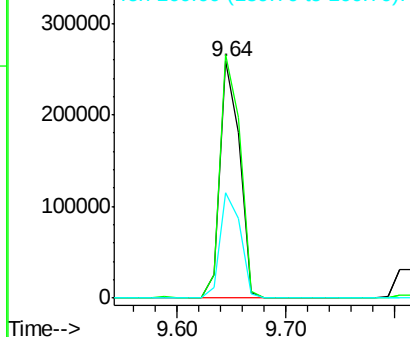
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

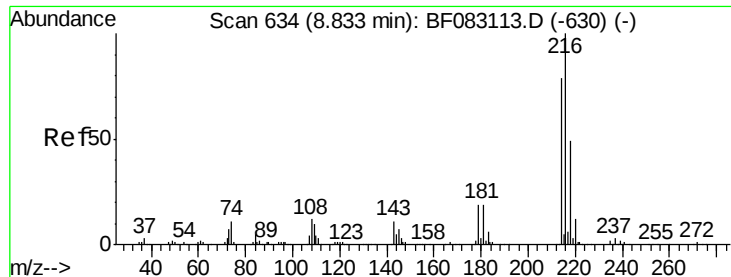


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.2	121.8
160	44.5	35.6	53.4

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.39 ng

RT: 8.79 min Scan# 595

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

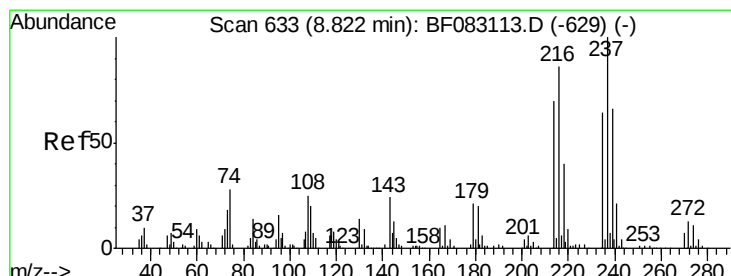
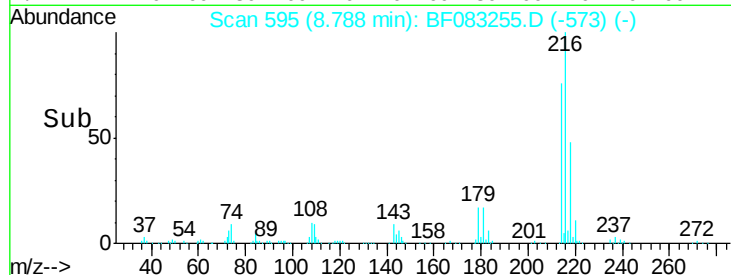
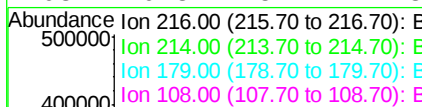
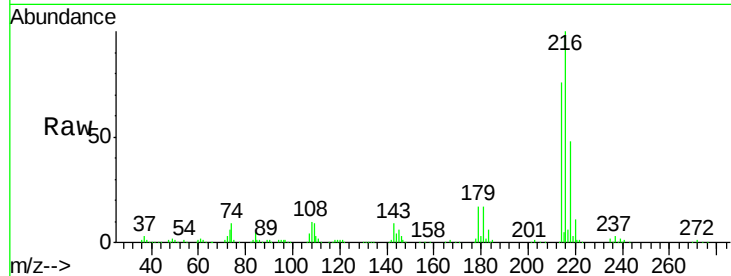
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	425154		
214	78.5	63.8	95.8	
179	20.6	17.0	25.6	
108	20.8	15.2	22.8	

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#40

Hexachlorocyclopentadiene

Concen: 71.56 ng

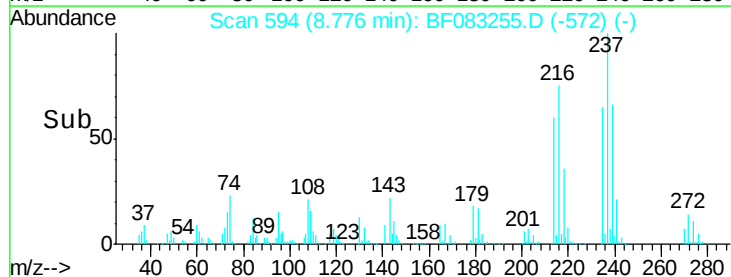
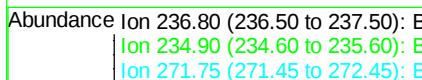
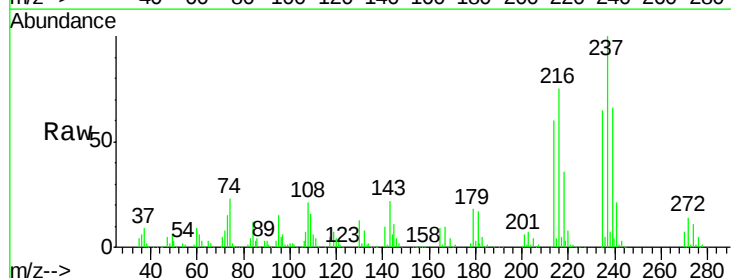
RT: 8.78 min Scan# 594

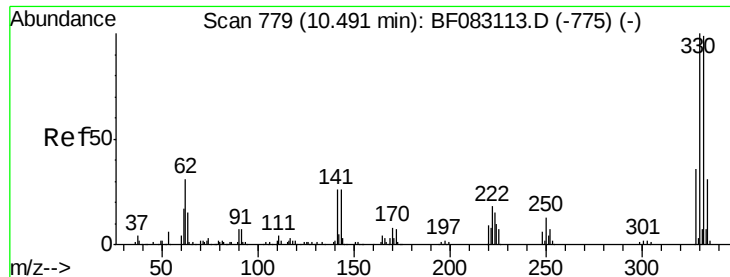
Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	428306		
235	65.2	43.5	83.5	
272	13.6	0.0	33.1	





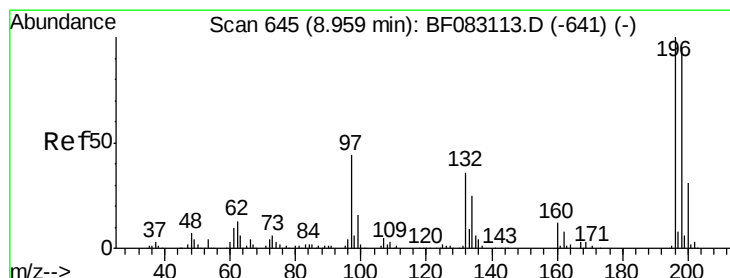
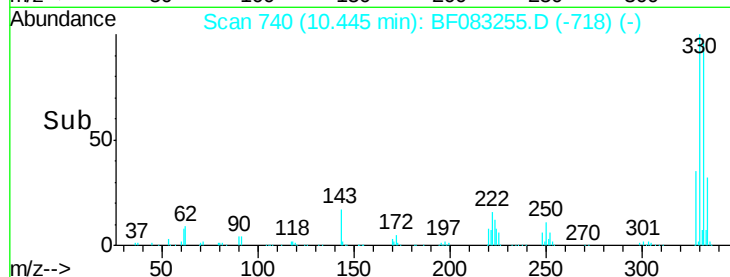
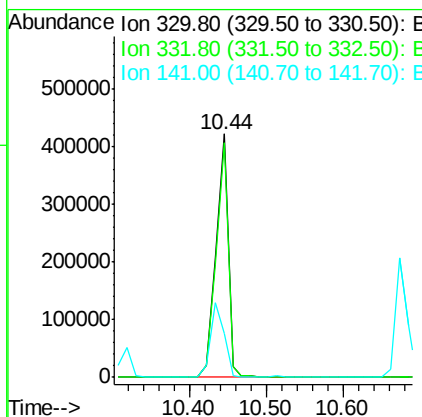
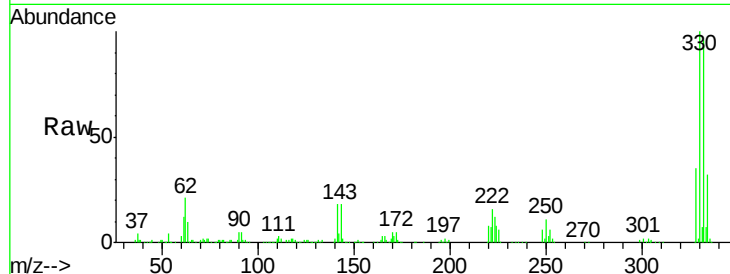
#41
 2,4,6-Tribromophenol
 Concen: 140.83 ng
 RT: 10.44 min Scan# 740
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	467929		
332	96.0	77.7	116.5	
141	34.2	29.7	44.5	

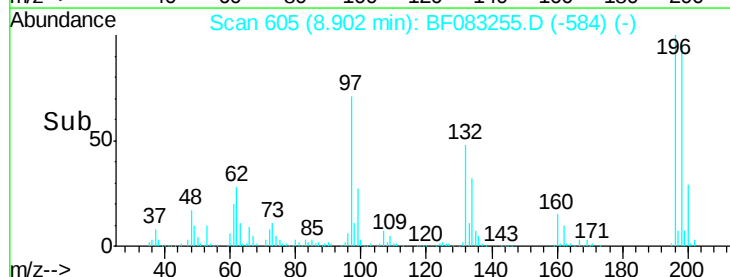
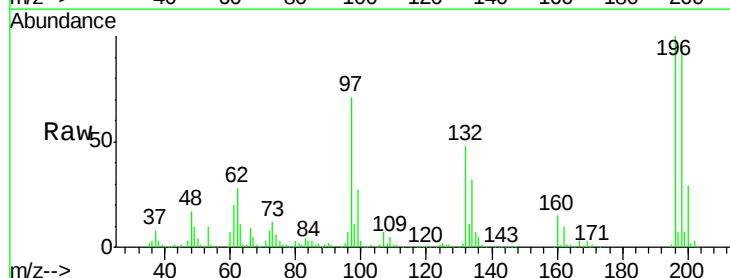
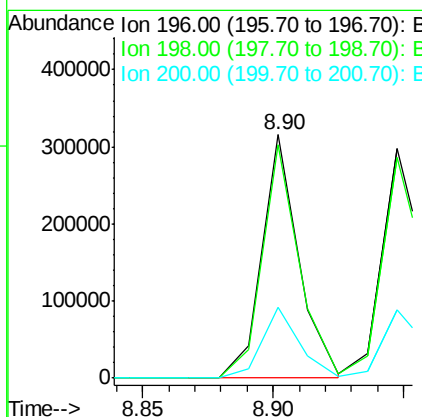
Manual Integrations
 APPROVED

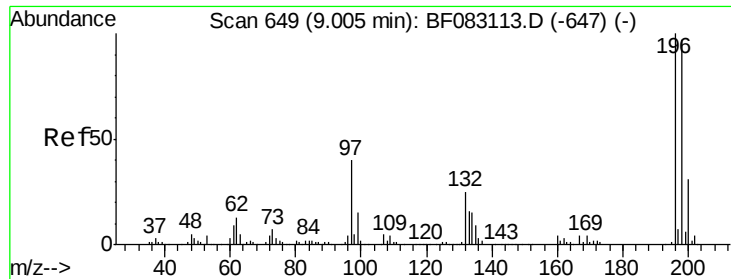
Mmdadoda
 11/25/2015 12:54:47 PM



#42
 2,4,6-Trichlorophenol
 Concen: 41.27 ng
 RT: 8.90 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

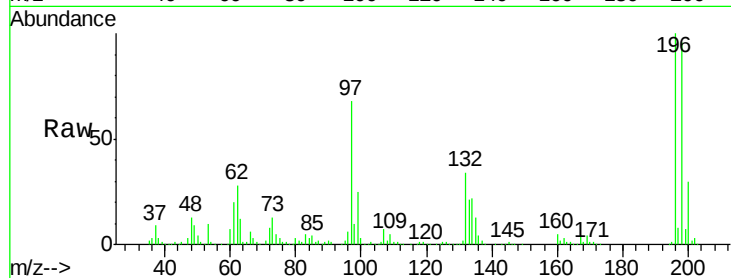
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	311117		
198	95.6	75.9	113.9	
200	29.2	24.5	36.7	





#43
 2,4,5-Trichlorophenol
 Concen: 43.64 ng
 RT: 8.95 min Scan# 609
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

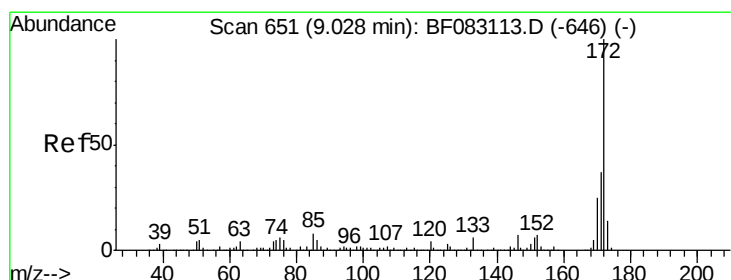
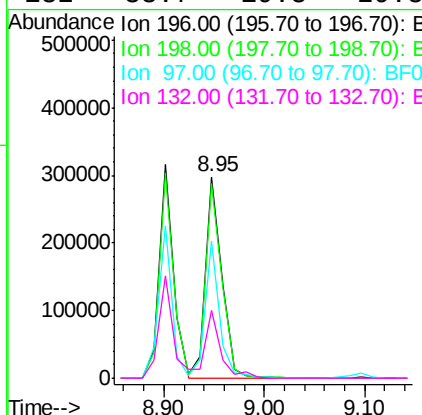
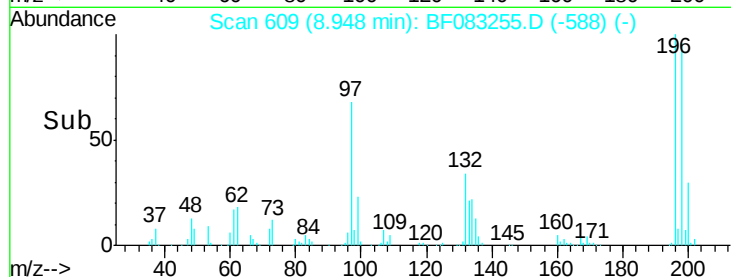
Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	336436		
198	96.5	77.6	116.4	
97	68.2	32.6	48.8#	
132	33.7	19.8	29.8#	

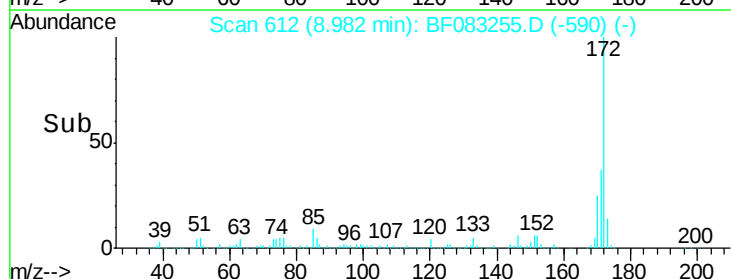
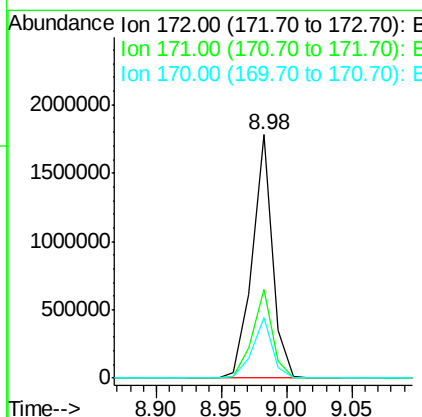
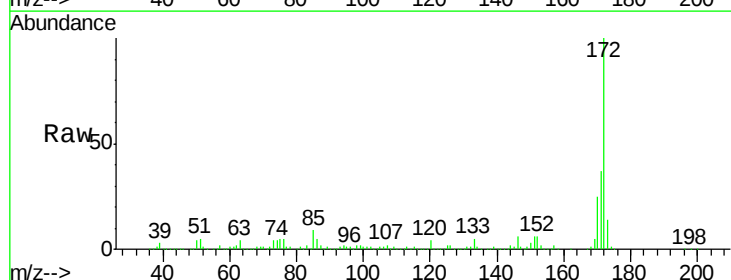
Manual Integrations
 APPROVED

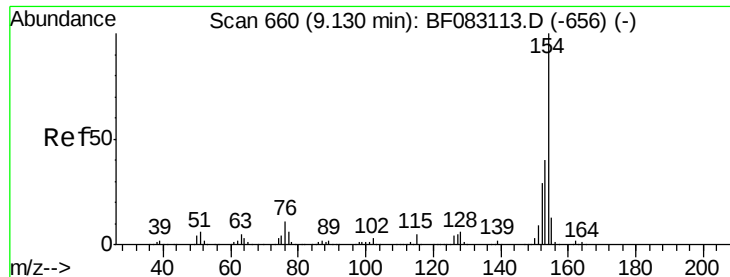
Mmdadoda
 11/25/2015 12:54:47 PM



#44
 2-Fluorobiphenyl
 Concen: 82.65 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1925054		
171	36.6	29.5	44.3	
170	25.1	19.9	29.9	





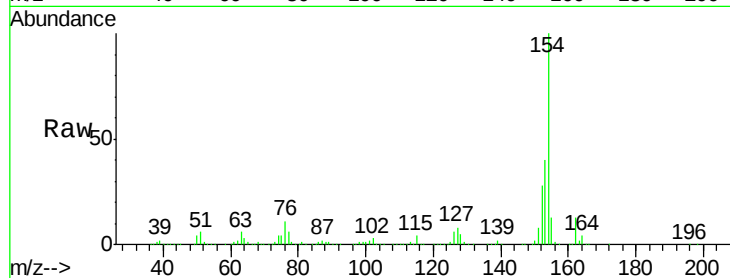
#45
 1,1'-Biphenyl
 Concen: 43.42 ng
 RT: 9.08 min Scan# 621
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

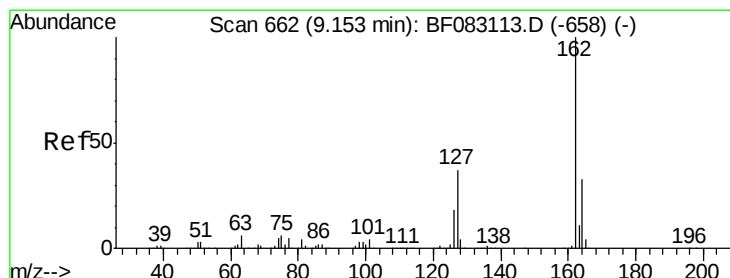
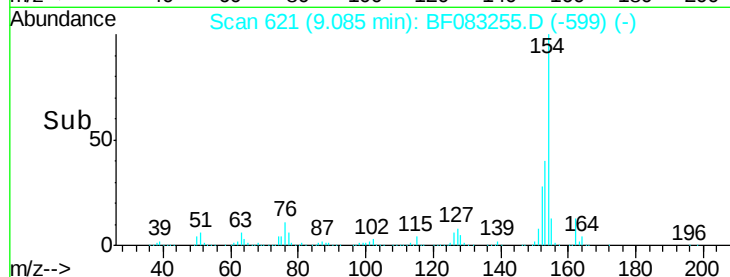
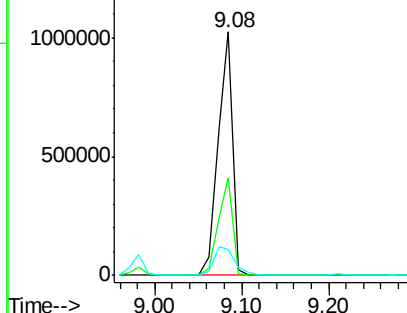
Tgt Ion:154 Resp: 1200266
 Ion Ratio Lower Upper
 154 100
 153 40.3 20.5 60.5
 76 10.9 0.0 31.2

Manual Integrations
 APPROVED

Mmdadoda
 11/25/2015 12:54:47 PM

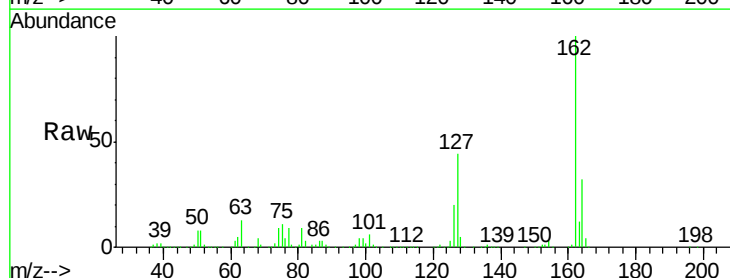


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

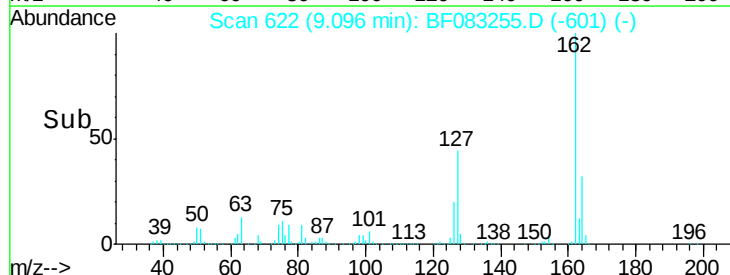
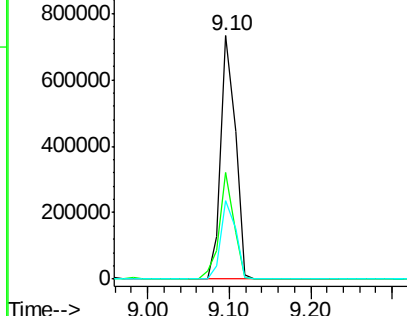


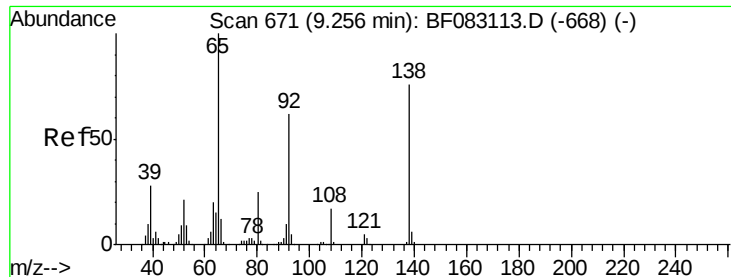
#46
 2-Chloronaphthalene
 Concen: 42.01 ng
 RT: 9.10 min Scan# 622
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion:162 Resp: 912202
 Ion Ratio Lower Upper
 162 100
 127 43.8 29.4 44.2
 164 32.3 26.2 39.4



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: 50.84 ng

RT: 9.21 min Scan# 632

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion: 65 Resp: 390487
Ion Ratio Lower Upper

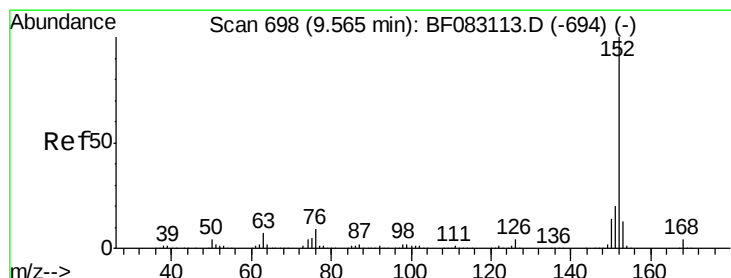
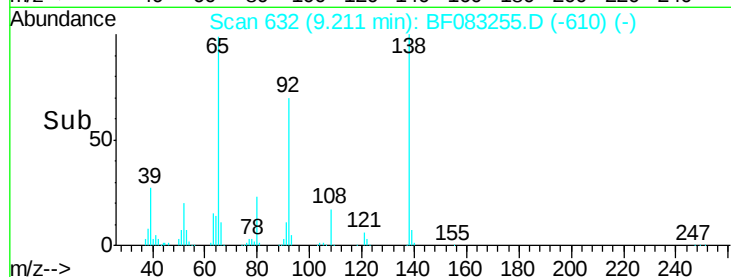
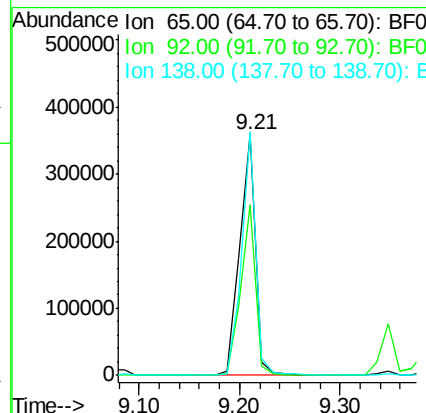
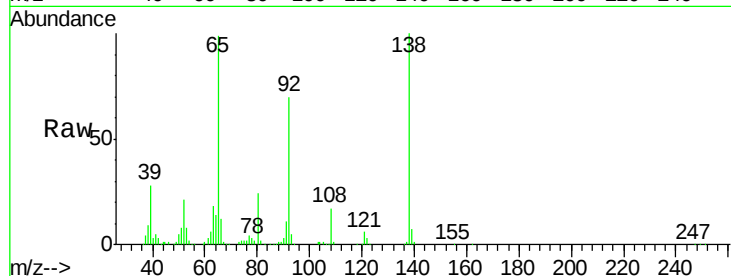
65 100

92 70.7 49.5 74.3

138 101.2 60.7 91.1#

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#48

Acenaphthylene

Concen: 43.61 ng

RT: 9.51 min Scan# 658

Delta R.T. -0.06 min

Lab File: BF083255.D

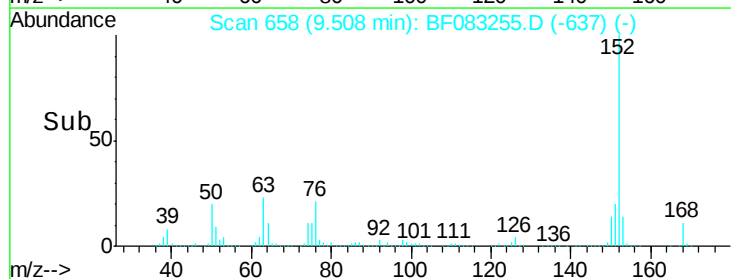
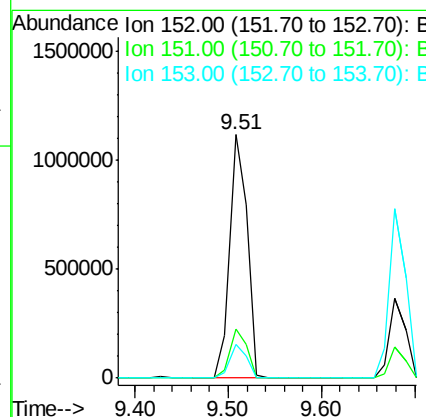
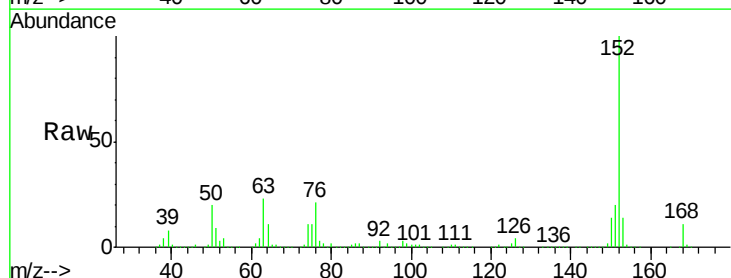
Acq: 25 Nov 2015 00:07

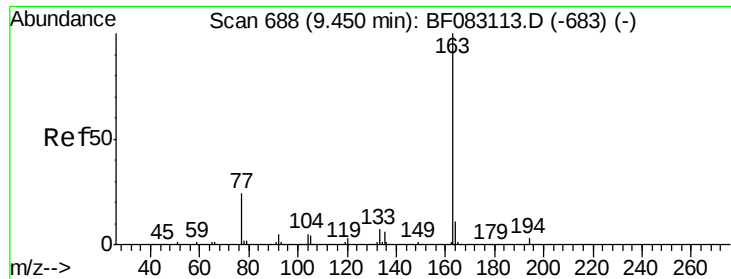
Tgt Ion: 152 Resp: 1467477
Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

153 13.8 10.8 16.2





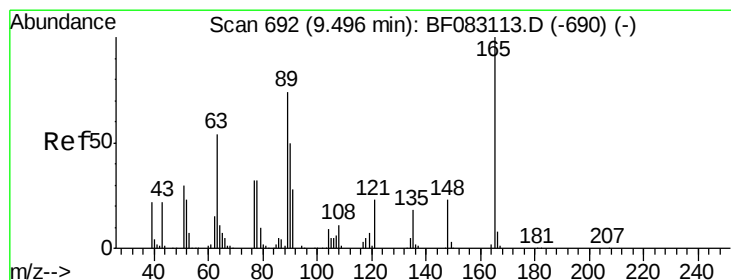
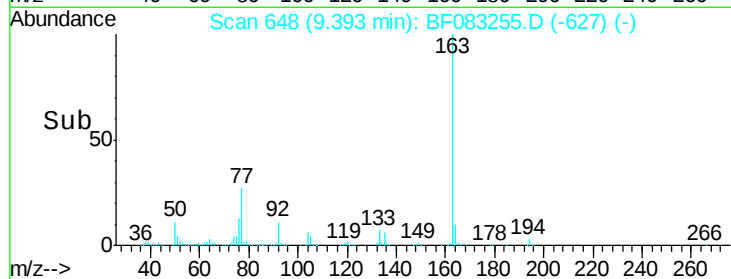
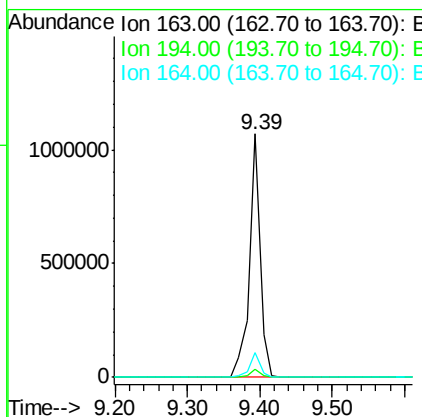
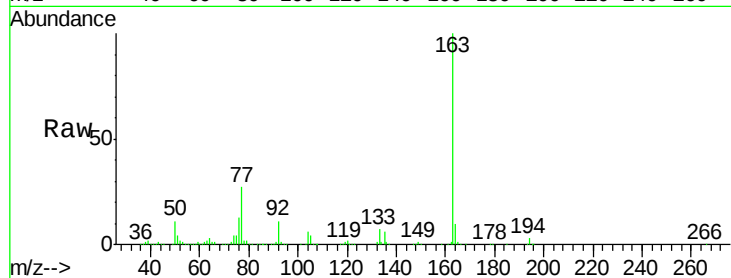
#49
Dimethylphthalate
Concen: 43.94 ng
RT: 9.39 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion:163 Resp: 1098653
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.4 8.6 12.8

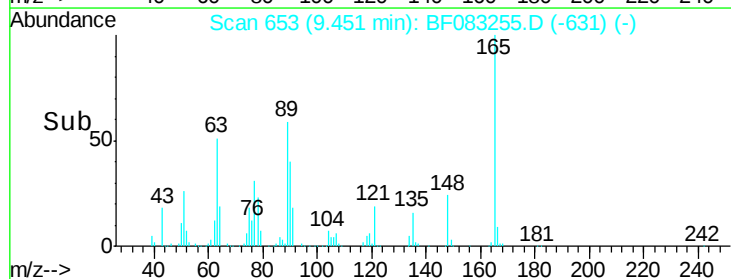
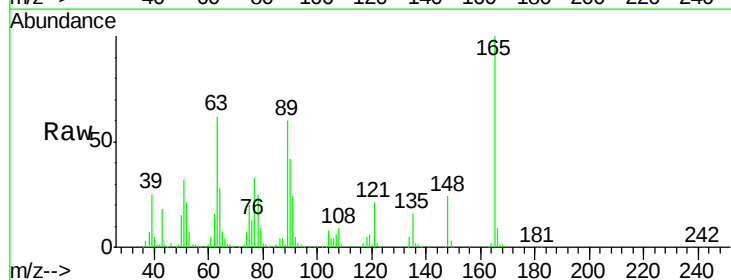
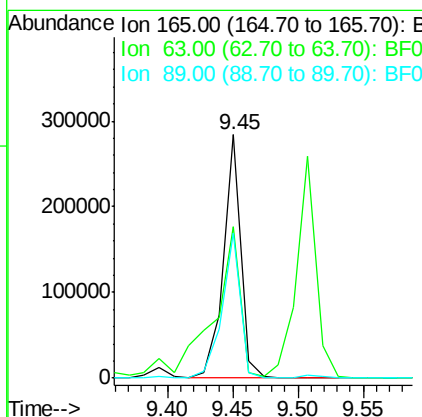
Manual Integrations
APPROVED

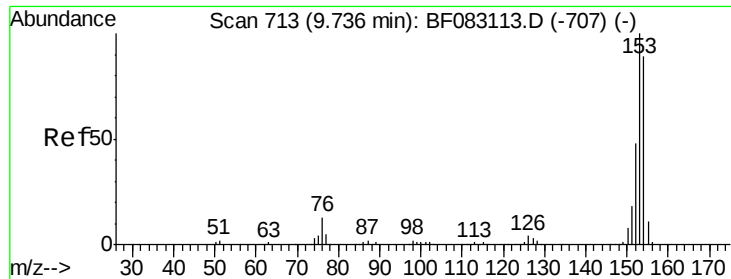
Mmdadoda
11/25/2015 12:54:47 PM



#50
2,6-Dinitrotoluene
Concen: 47.37 ng
RT: 9.45 min Scan# 653
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion:165 Resp: 265762
Ion Ratio Lower Upper
165 100
63 62.3 62.5 93.7#
89 59.5 59.1 88.7





#51

Acenaphthene

Concen: 42.41 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.06 min

Lab File: BF083255.D

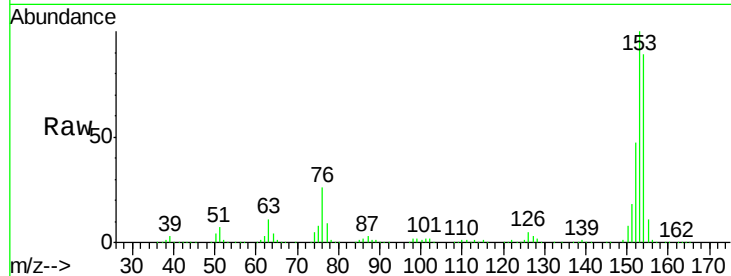
Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM



Tgt Ion:154 Resp: 868506

Ion Ratio Lower Upper

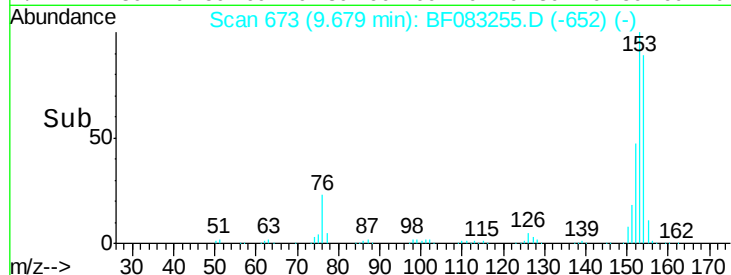
154 100

153 112.4 89.6 134.4

152 53.4 43.3 64.9

Manual Integrations
APPROVED

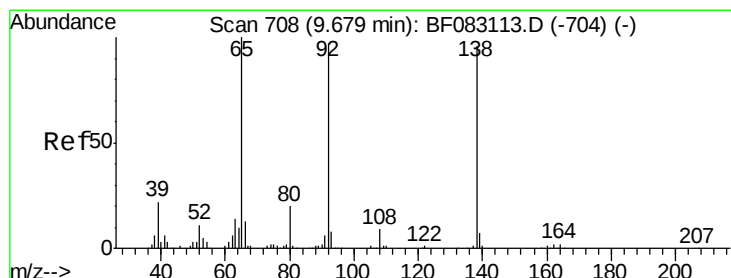
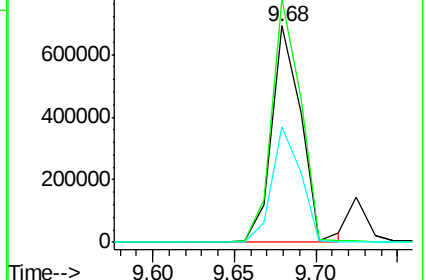
Mmdadoda
11/25/2015 12:54:47 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 19.01 ng

RT: 9.62 min Scan# 668

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

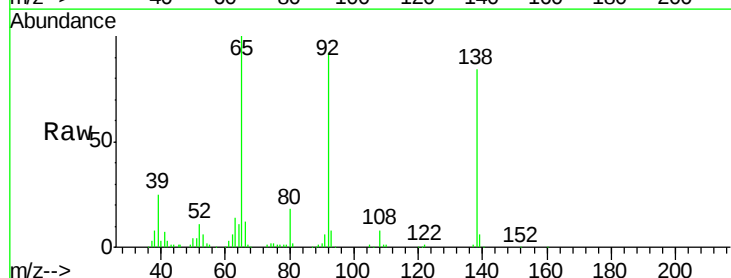
Tgt Ion:138 Resp: 113702

Ion Ratio Lower Upper

138 100

108 9.2 7.8 11.6

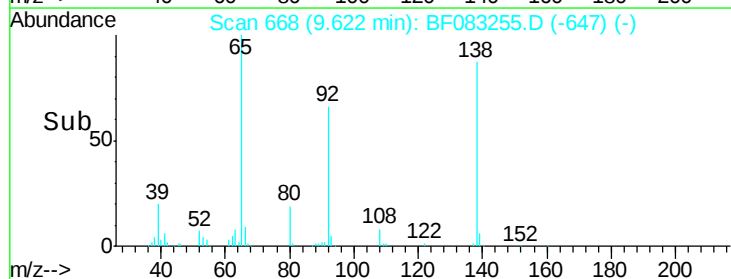
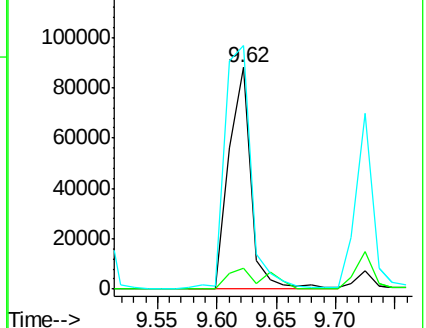
92 109.8 81.1 121.7

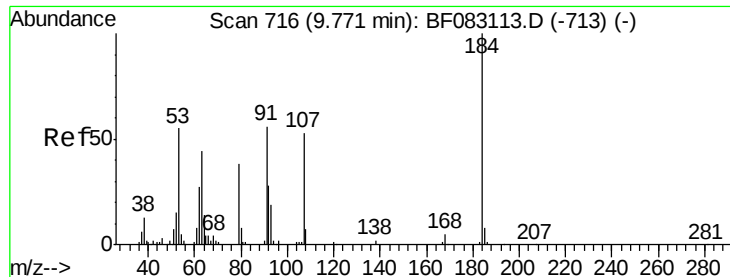


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





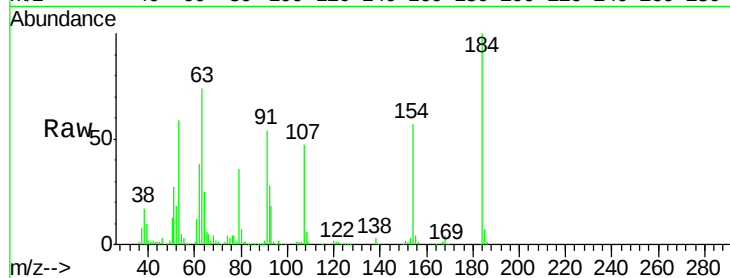
#53
2,4-Dinitrophenol
Concen: 75.46 ng
RT: 9.72 min Scan# 677
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

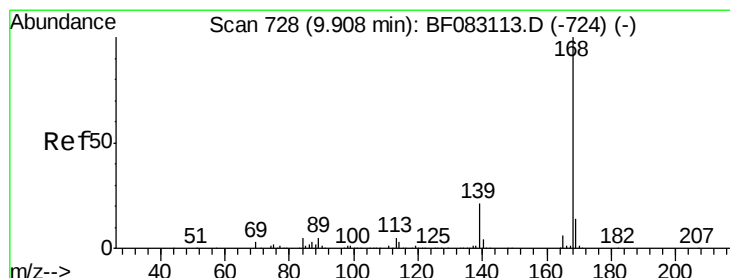
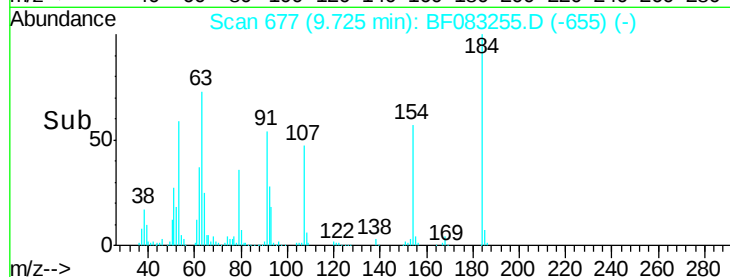
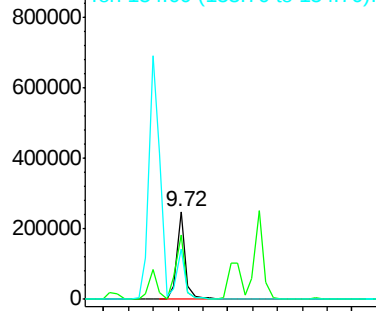
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	243923		
63	74.0	60.5	90.7	
154	57.5	54.3	81.5	

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM

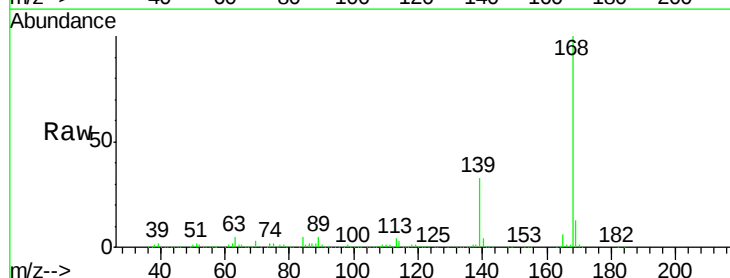


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

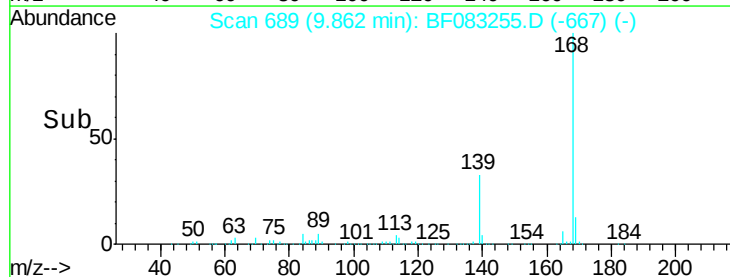
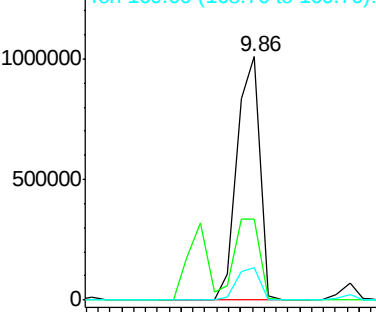


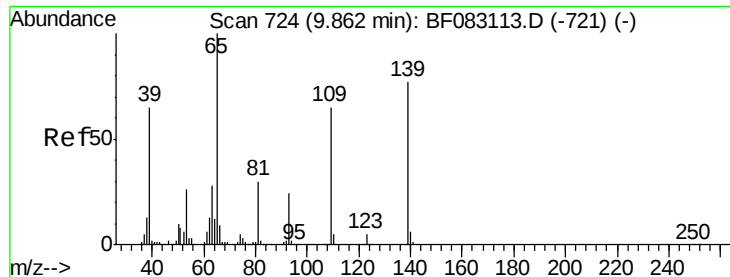
#54
Dibenzofuran
Concen: 46.83 ng
RT: 9.86 min Scan# 689
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1356072		
139	33.5	30.2	45.2	
169	13.5	10.9	16.3	



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





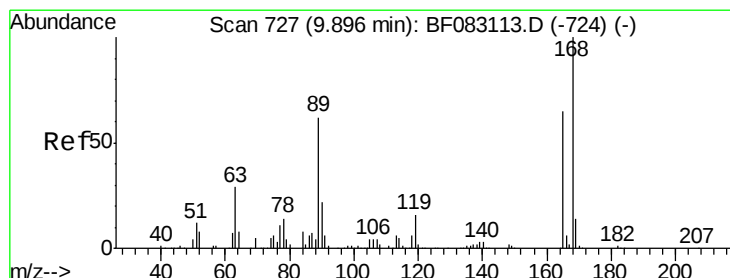
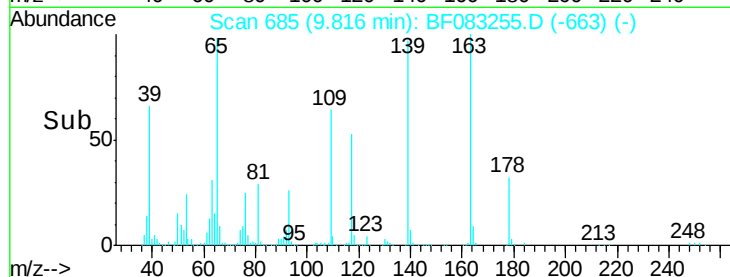
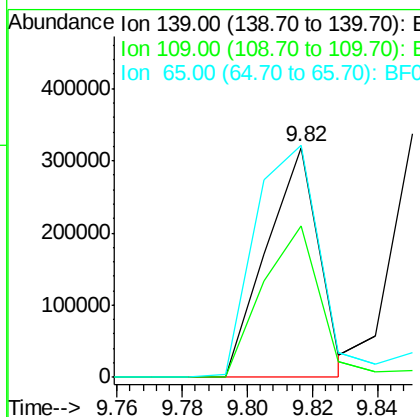
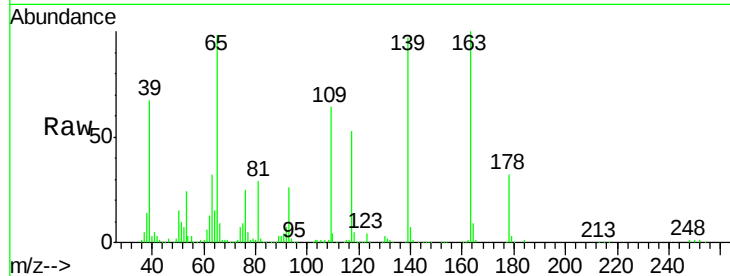
#55
4-Nitrophenol
Concen: 77.78 ng
RT: 9.82 min Scan# 685
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	356753		
109	66.0	64.0	104.0	
65	100.6	109.5	149.5	

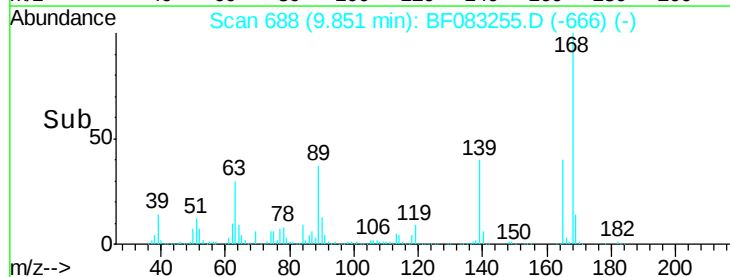
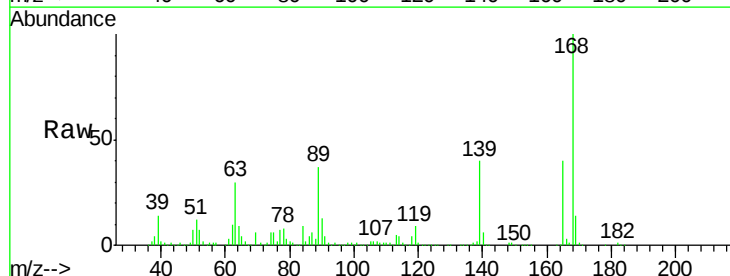
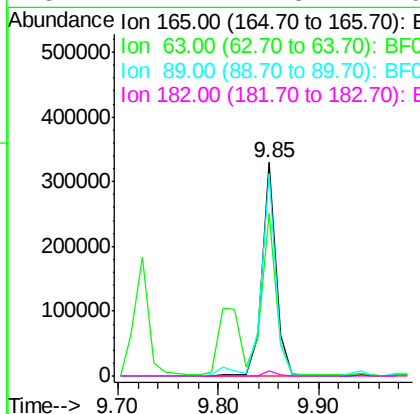
Manual Integrations
APPROVED

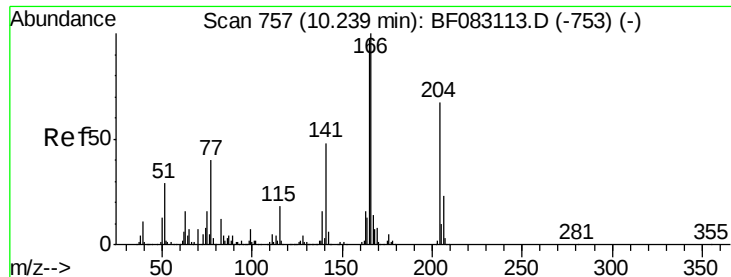
Mmdadoda
11/25/2015 12:54:47 PM



#56
2,4-Dinitrotoluene
Concen: 44.93 ng
RT: 9.85 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	319410		
63	76.4	54.5	81.7	
89	94.7	77.3	115.9	
182	2.1	1.8	2.6	





#57

Fluorene

Concen: 42.21 ng

RT: 10.19 min Scan# 718

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:166 Resp: 1009979

Ion Ratio Lower Upper

166 100

165 98.1 78.0 117.0

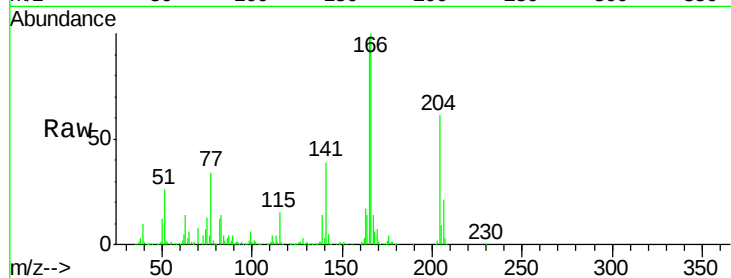
167 14.3 11.3 16.9

Manual Integrations

APPROVED

Mmdadoda

11/25/2015 12:54:47 PM

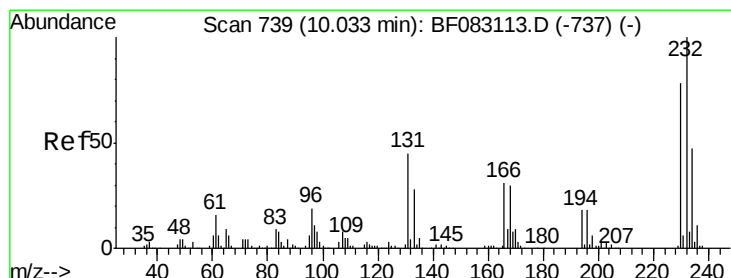
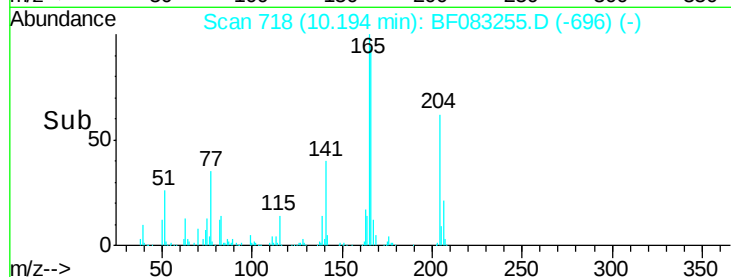
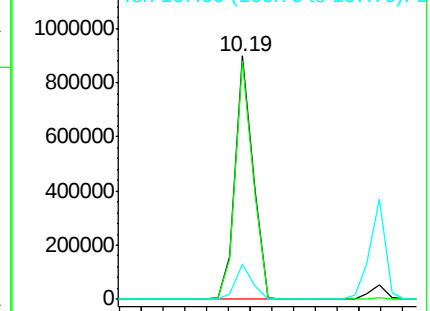


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.46 ng

RT: 9.99 min Scan# 700

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:232 Resp: 287454

Ion Ratio Lower Upper

232 100

131 44.1 38.6 57.8

130 2.1 1.9 2.9

166 29.3 25.4 38.0

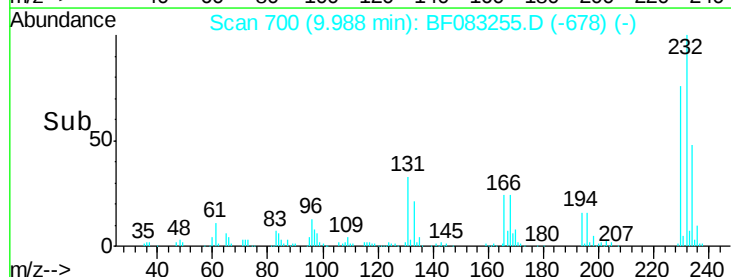
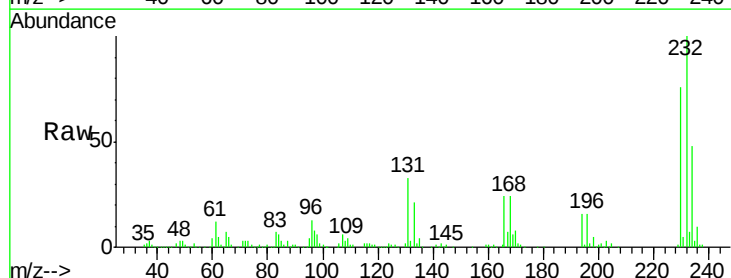
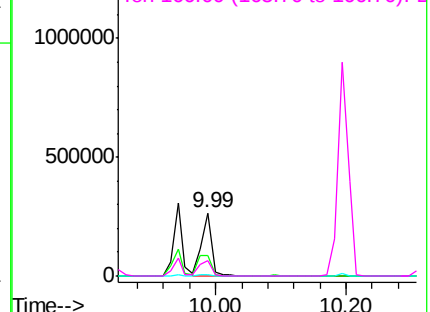
Abundance

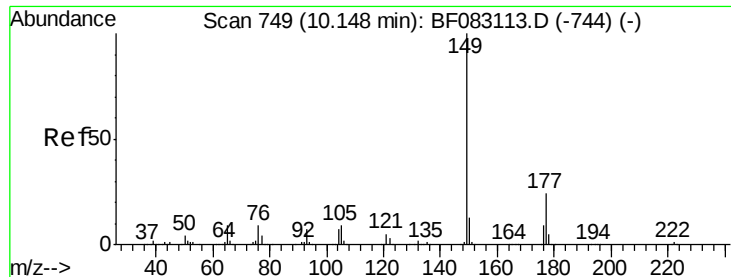
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





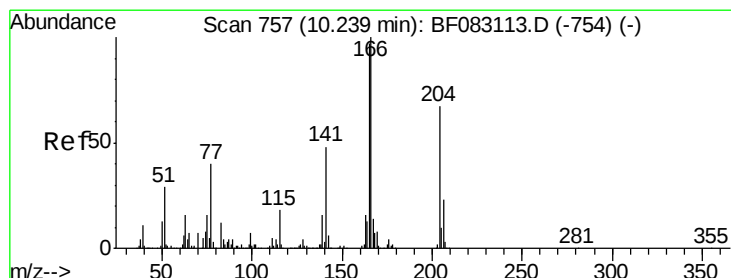
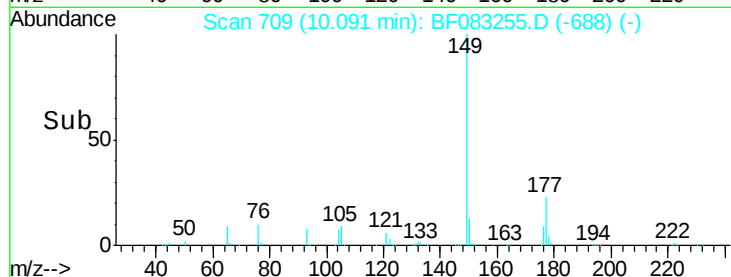
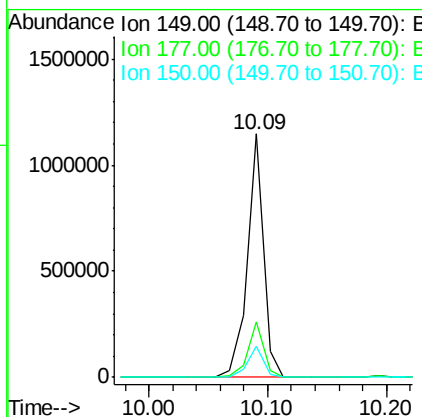
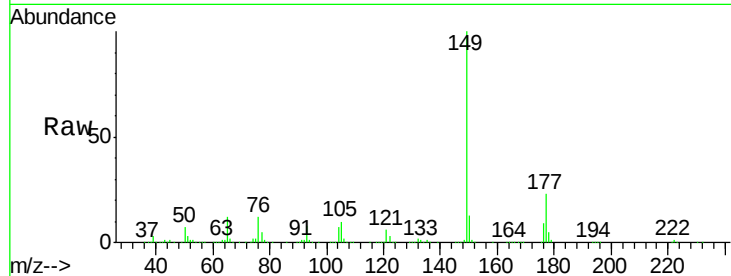
#59
Diethylphthalate
Concen: 44.23 ng
RT: 10.09 min Scan# 709
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion:149 Resp: 1100940
Ion Ratio Lower Upper
149 100
177 22.8 19.4 29.2
150 13.0 10.2 15.2

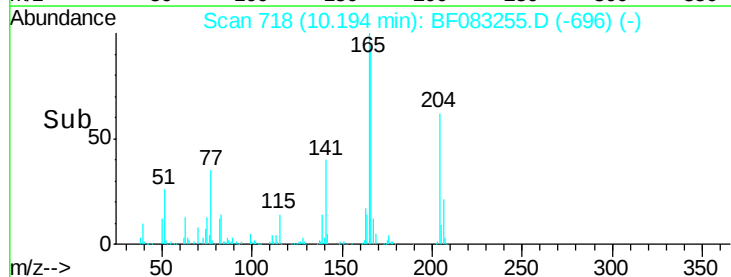
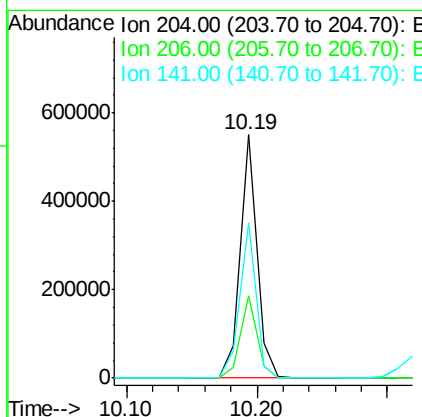
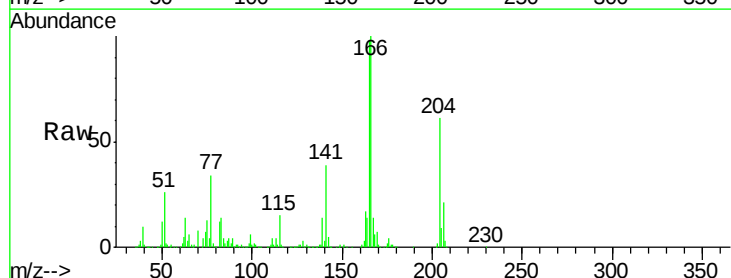
Manual Integrations
APPROVED

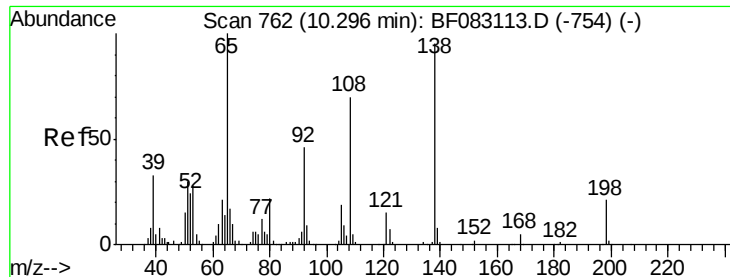
Mmdadoda
11/25/2015 12:54:47 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.31 ng
RT: 10.19 min Scan# 718
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion:204 Resp: 485612
Ion Ratio Lower Upper
204 100
206 33.6 27.4 41.0
141 63.9 57.4 86.2





#61

4-Nitroaniline

Concen: 43.90 ng

RT: 10.24 min Scan# 722

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

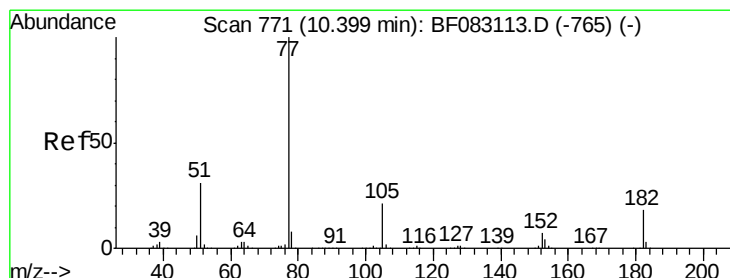
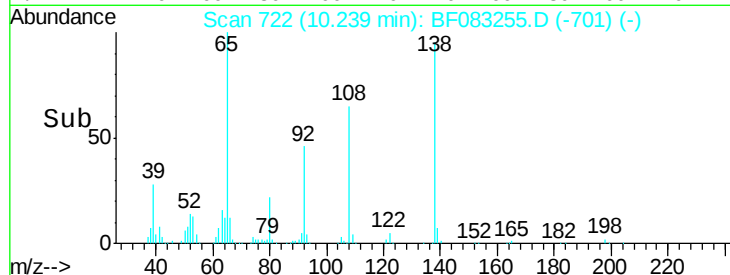
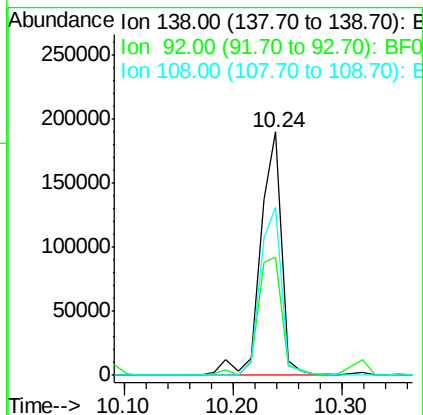
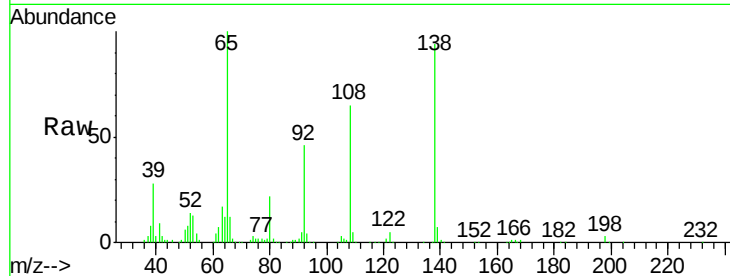
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	138	Resp:	258534
Ion Ratio	Lower	Upper	
138	100		
92	48.6	28.4	68.4
108	68.8	53.5	93.5

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#62

Azobenzene

Concen: 50.37 ng

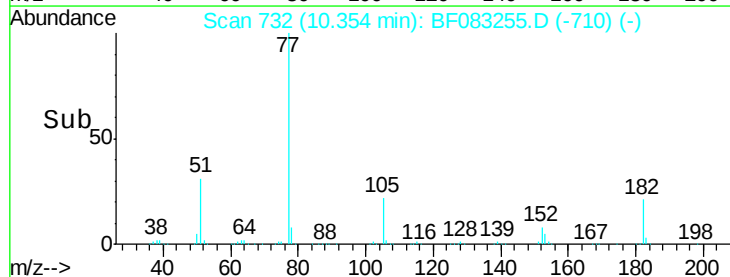
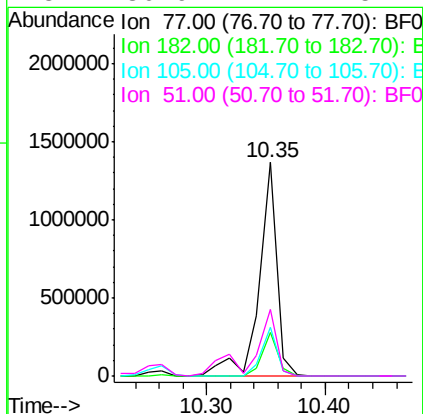
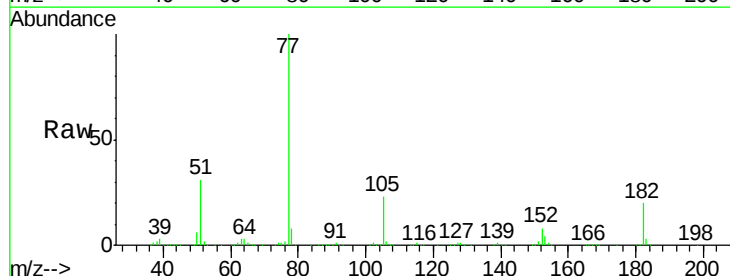
RT: 10.35 min Scan# 732

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	77	Resp:	1431052
Ion Ratio	Lower	Upper	
77	100		
182	20.5	0.0	38.3
105	22.5	1.2	41.2
51	30.9	11.1	51.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 799

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

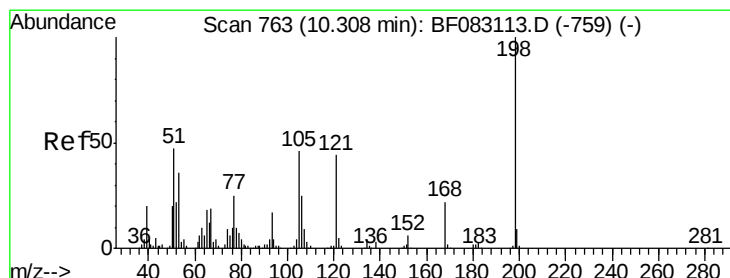
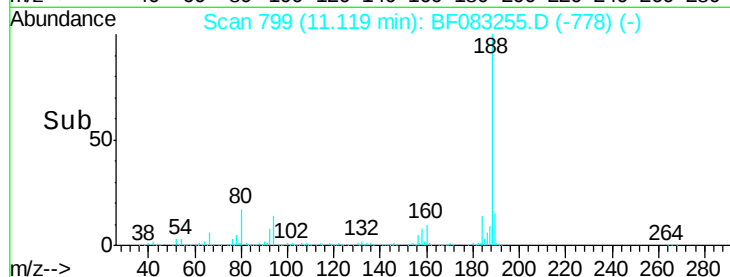
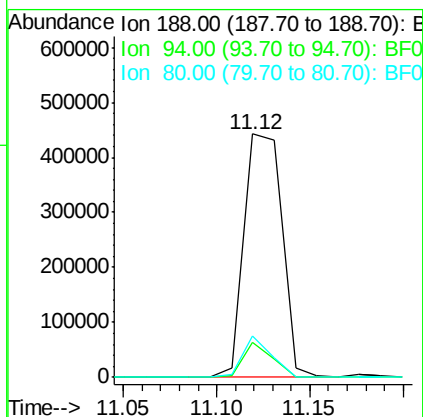
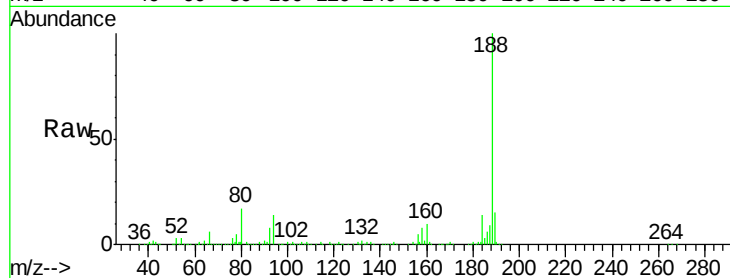
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	188	Resp:	625114
Ion Ratio	Lower	Upper	
188	100		
94	14.5	6.0	9.0#
80	16.8	6.7	10.1#

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 42.11 ng

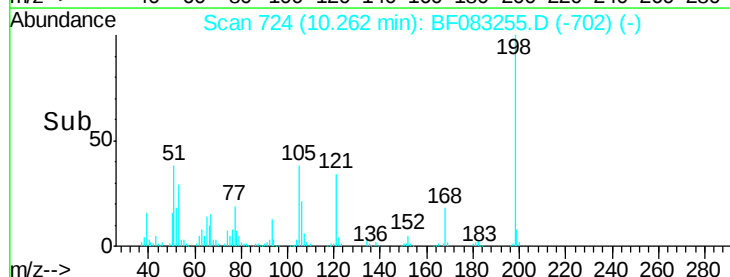
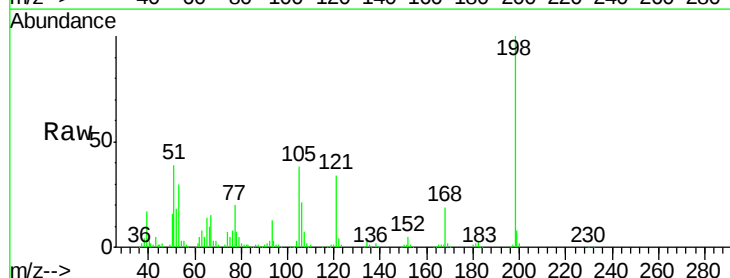
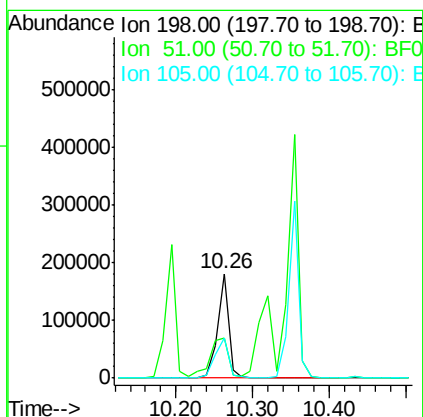
RT: 10.26 min Scan# 724

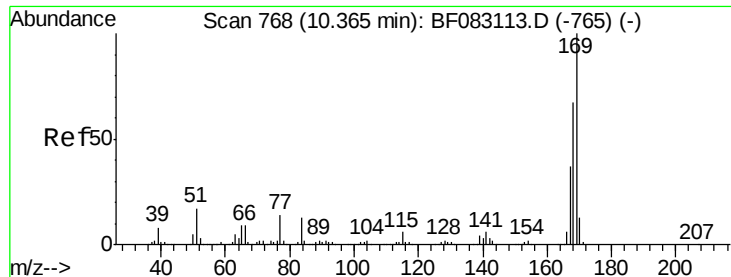
Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	198	Resp:	181364
Ion Ratio	Lower	Upper	
198	100		
51	38.7	27.0	67.0
105	38.0	26.1	66.1





#65

n-Nitrosodiphenylamine

Concen: 45.63 ng

RT: 10.32 min Scan# 729

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

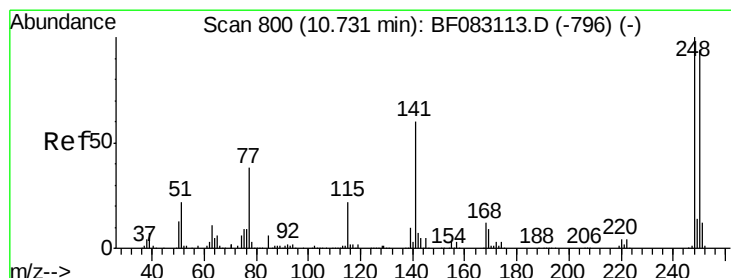
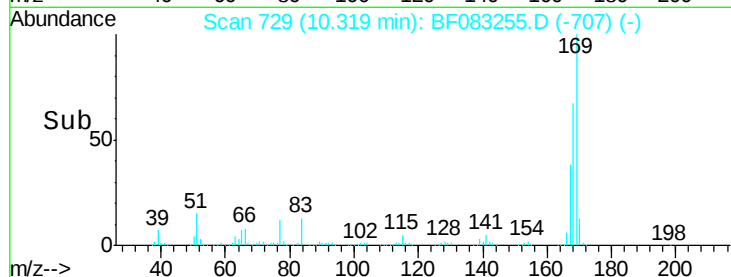
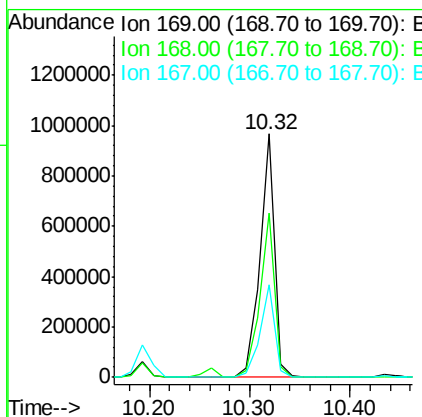
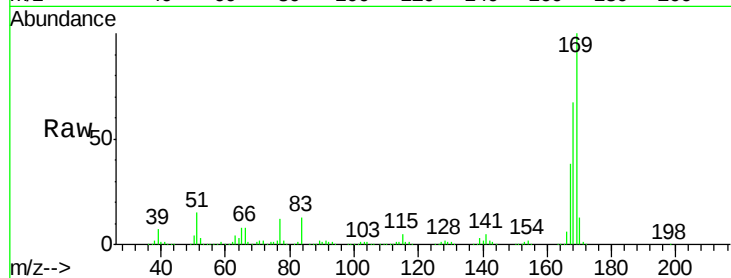
ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:	169	Resp:	970235
Ion Ratio	Lower	Upper	
169	100		
168	67.5	53.8	80.6
167	38.2	29.8	44.8

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#66

4-Bromophenyl-phenylether

Concen: 43.24 ng

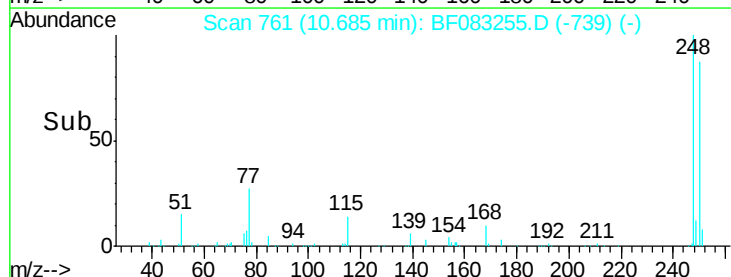
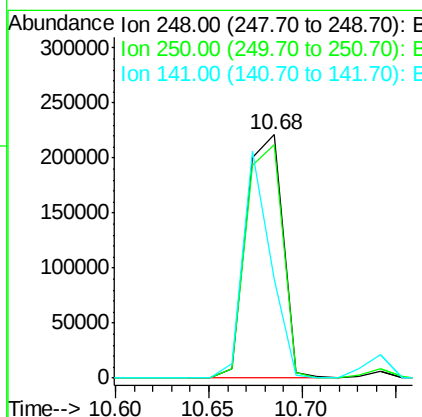
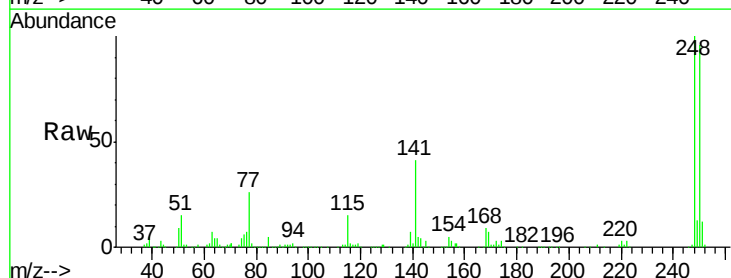
RT: 10.68 min Scan# 761

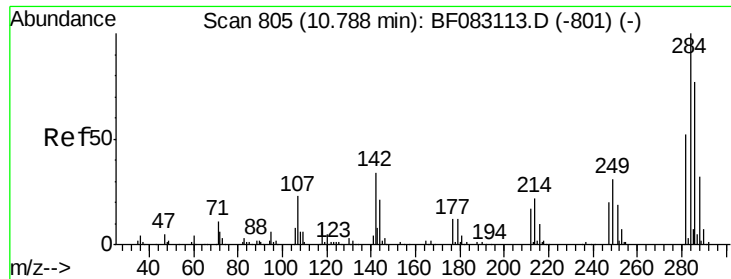
Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	248	Resp:	299934
Ion Ratio	Lower	Upper	
248	100		
250	96.0	75.4	113.2
141	40.8	48.1	72.1#





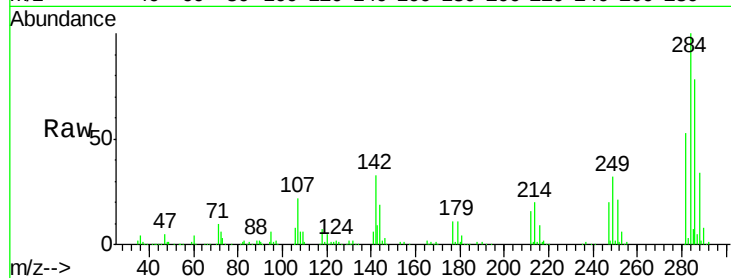
#67
Hexachlorobenzene
Concen: 44.37 ng
RT: 10.74 min Scan# 766
Delta R.T. -0.05 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

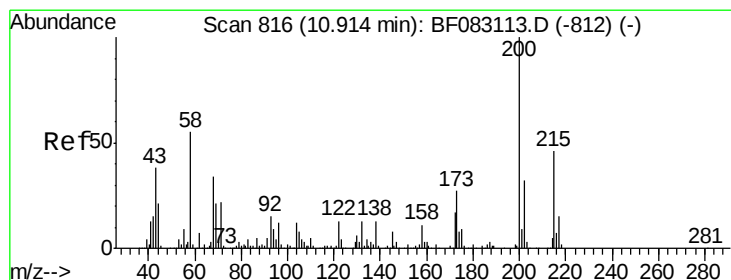
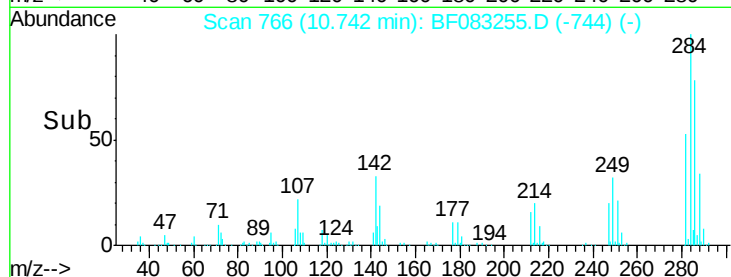
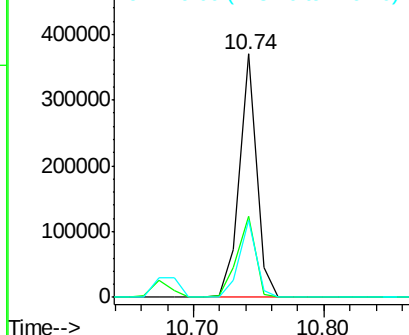
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	33.3	27.6	41.4
249	31.9	25.5	38.3

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM

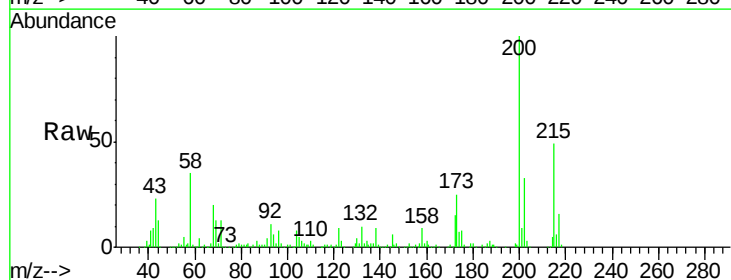


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

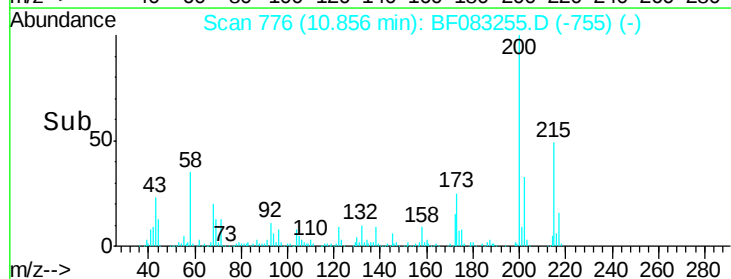
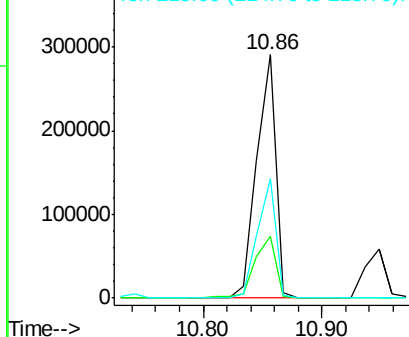


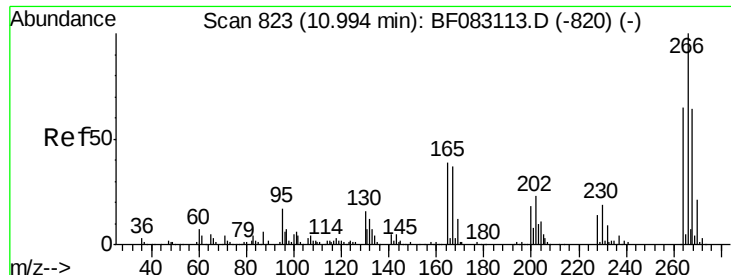
#68
Atrazine
Concen: 53.04 ng
RT: 10.86 min Scan# 776
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	25.2	7.2	47.2
215	48.9	25.7	65.7



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





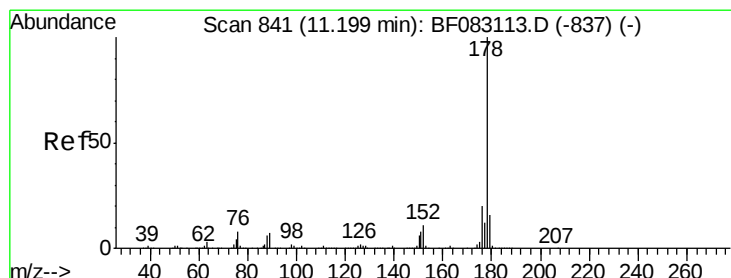
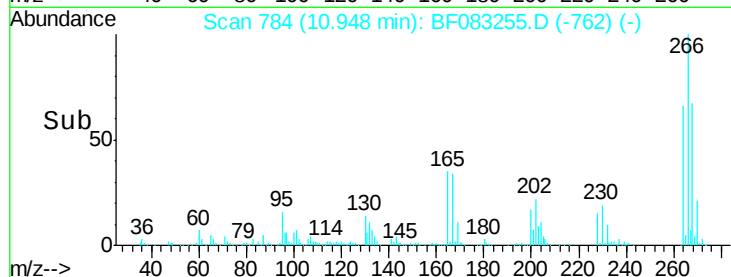
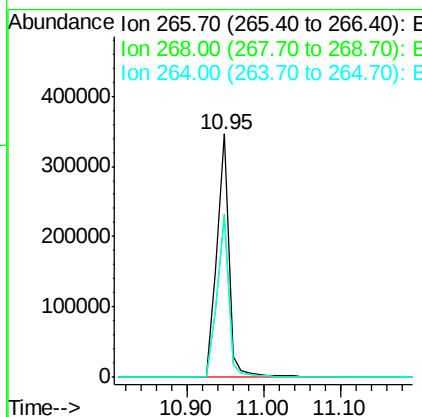
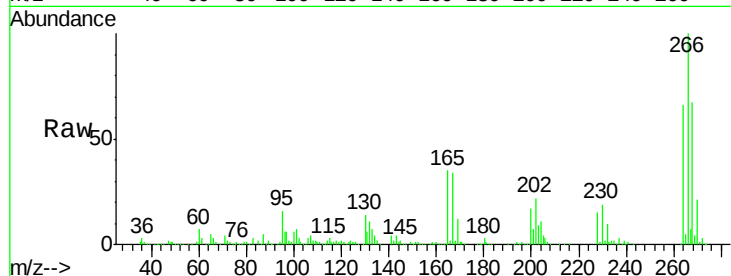
#69
 Pentachlorophenol
 Concen: 77.01 ng
 RT: 10.95 min Scan# 784
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	383188		
268	67.1	51.4	77.0	
264	65.9	51.7	77.5	

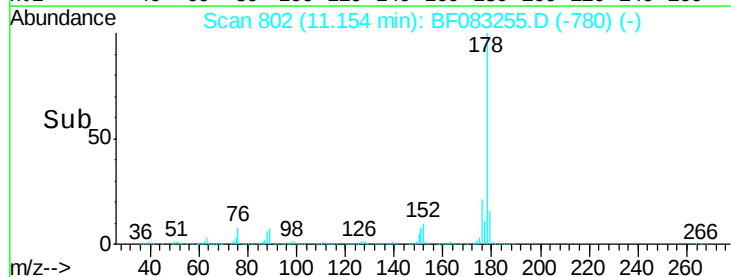
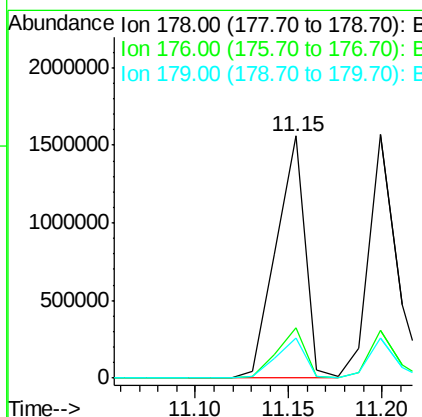
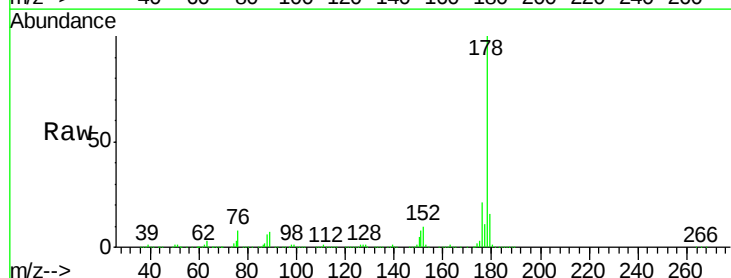
Manual Integrations
 APPROVED

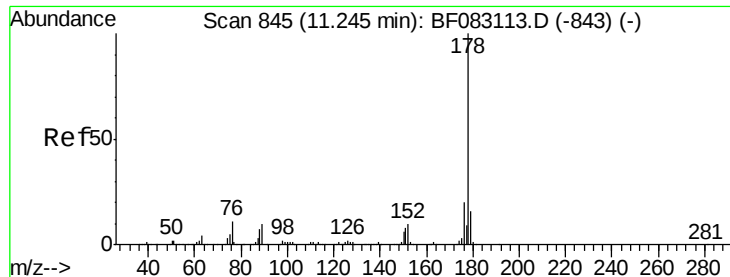
Mmdadoda
 11/25/2015 12:54:47 PM



#70
 Phenanthrene
 Concen: 46.92 ng
 RT: 11.15 min Scan# 802
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1689916		
176	20.5	16.2	24.2	
179	16.4	12.8	19.2	





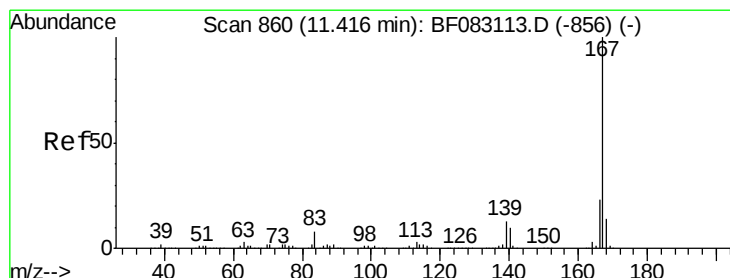
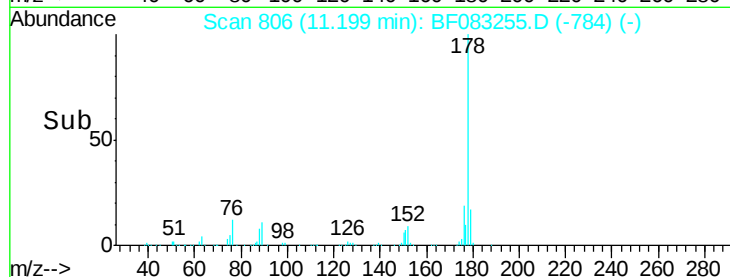
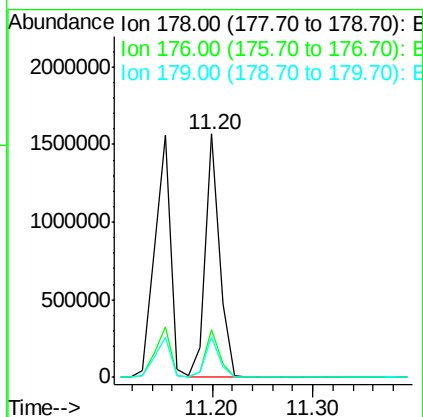
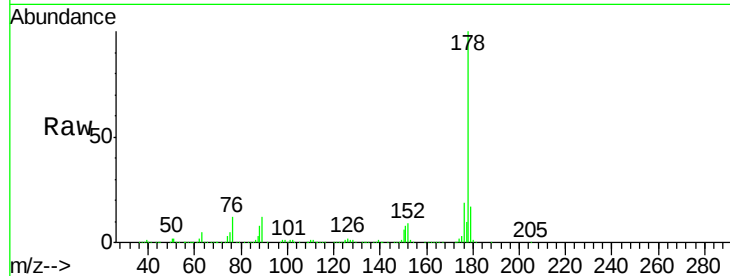
#71
 Anthracene
 Concen: 42.15 ng
 RT: 11.20 min Scan# 806
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion:178 Resp: 1548811
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.6 23.4
 179 16.6 13.2 19.8

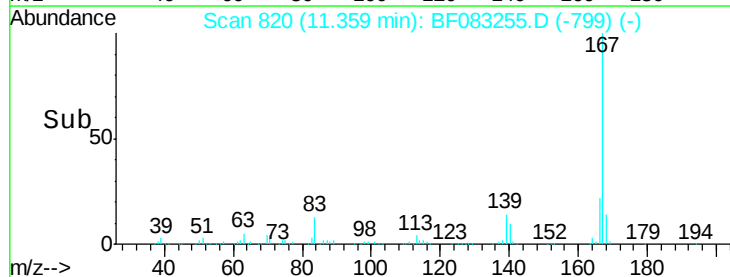
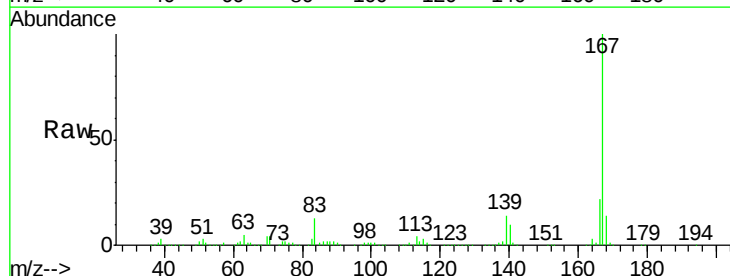
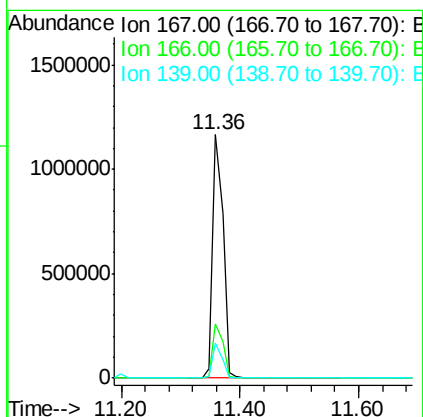
Manual Integrations
 APPROVED

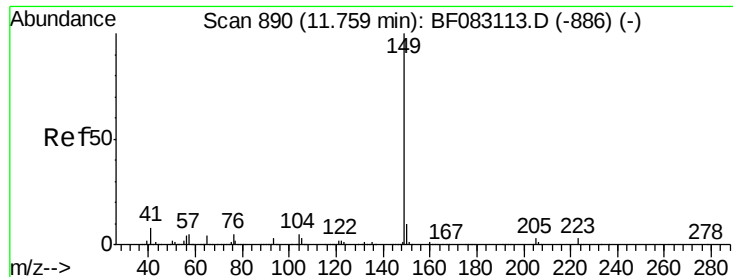
Mmdadoda
 11/25/2015 12:54:47 PM



#72
 Carbazole
 Concen: 43.17 ng
 RT: 11.36 min Scan# 820
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion:167 Resp: 1409978
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.0 27.0
 139 14.2 10.5 15.7





#73

Di-n-butylphthalate

Concen: 42.54 ng

RT: 11.70 min Scan# 850

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:149 Resp: 1695815

Ion Ratio Lower Upper

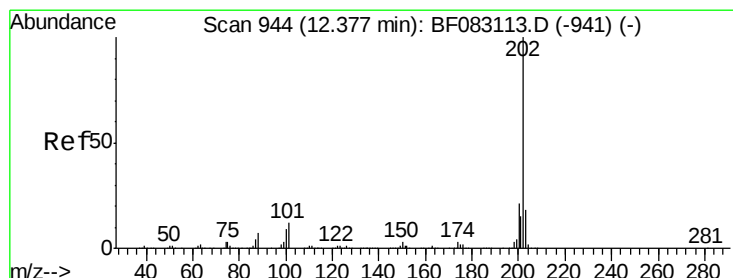
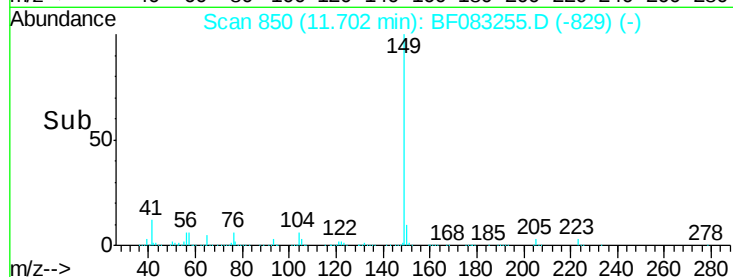
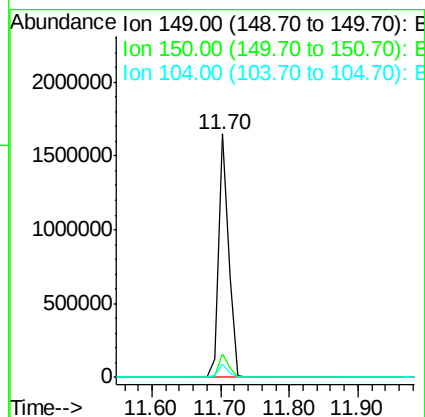
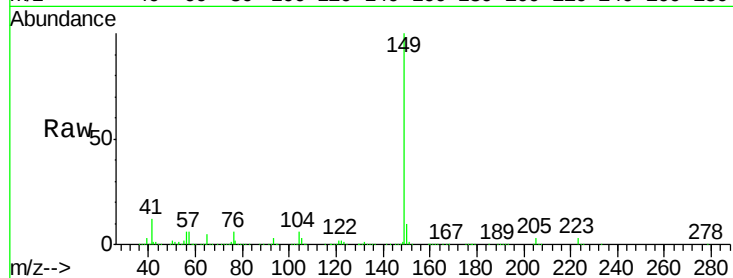
149 100

150 9.9 8.0 12.0

104 5.5 4.4 6.6

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#74

Fluoranthene

Concen: 43.75 ng

RT: 12.33 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

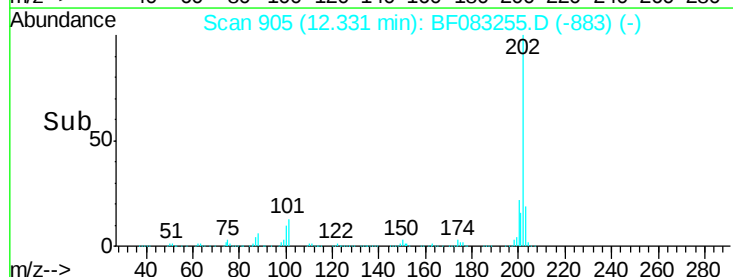
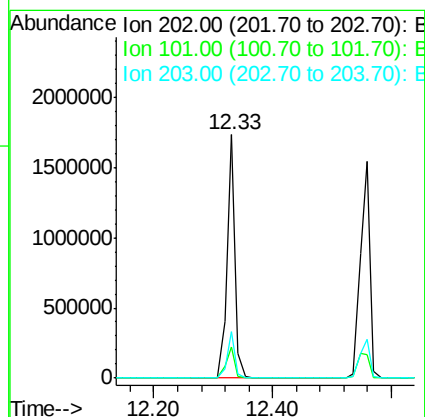
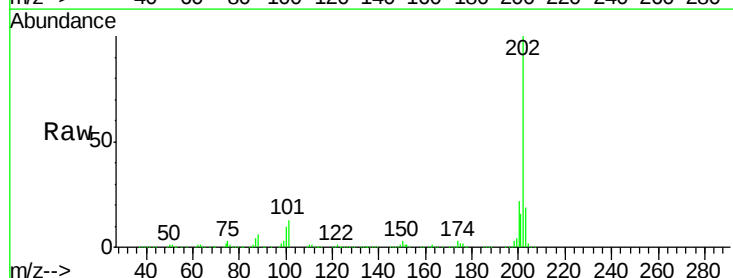
Tgt Ion:202 Resp: 1612635

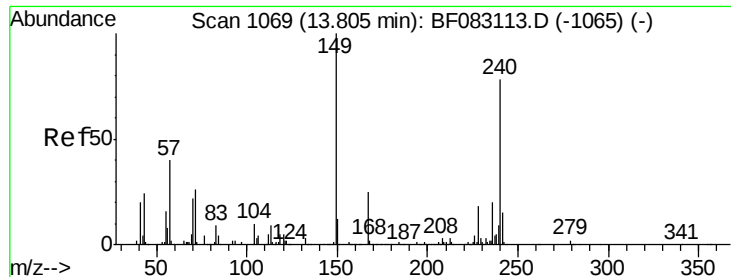
Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.3

203 18.9 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

UST-WASTECHARCTARIZATIONM

Tgt Ion:240 Resp: 475175

Ion Ratio Lower Upper

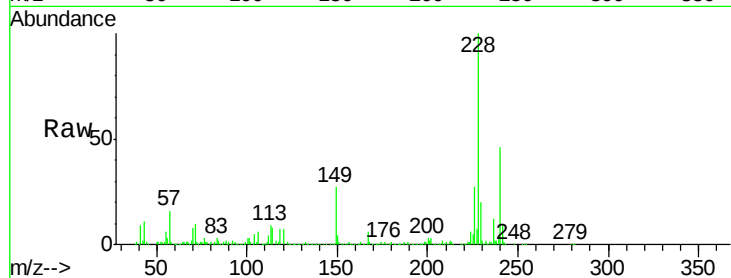
240 100

120 16.3 5.4 8.2#

236 25.5 20.6 31.0

Manual Integrations
APPROVED

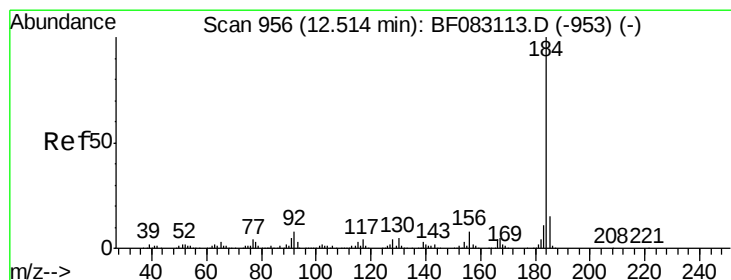
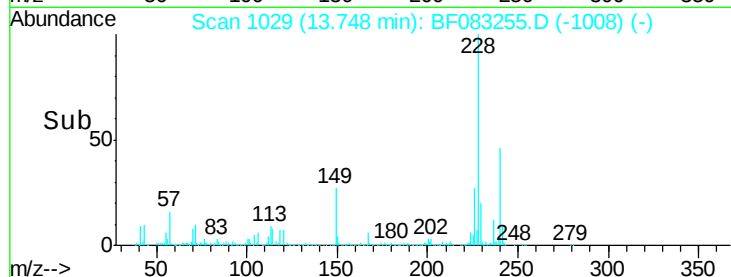
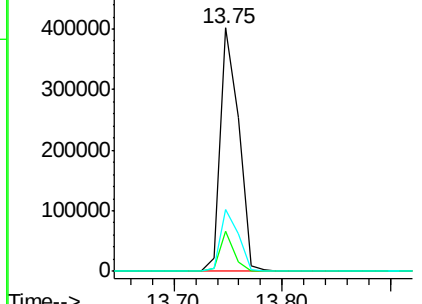
Mmdadoda
11/25/2015 12:54:47 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 60.79 ng

RT: 12.47 min Scan# 917

Delta R.T. -0.05 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

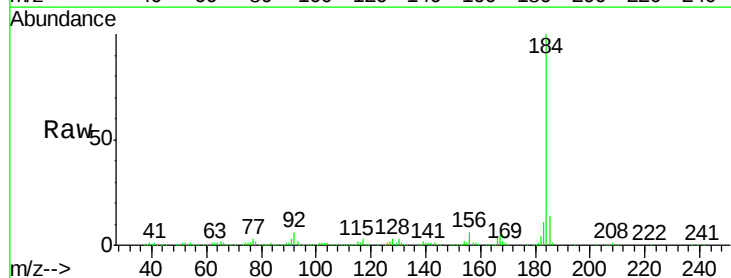
Tgt Ion:184 Resp: 757042

Ion Ratio Lower Upper

184 100

185 13.7 11.7 17.5

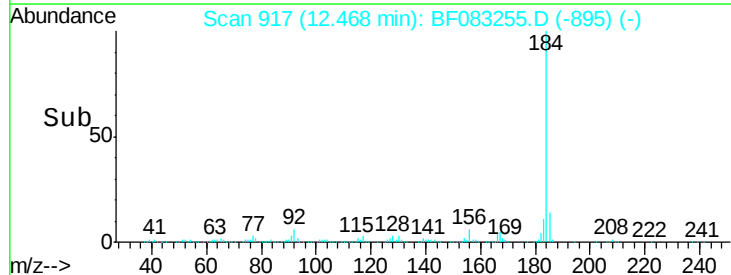
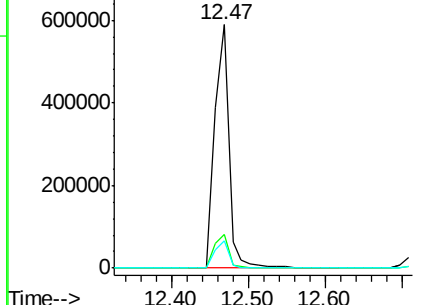
183 11.0 8.8 13.2

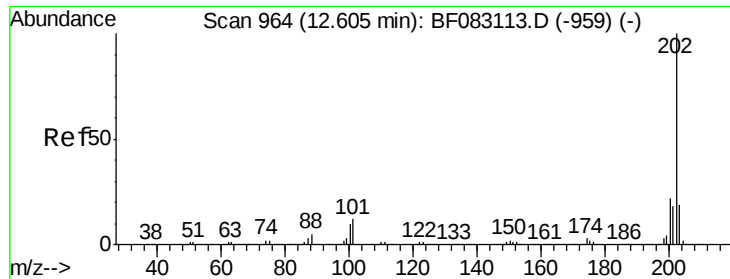


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





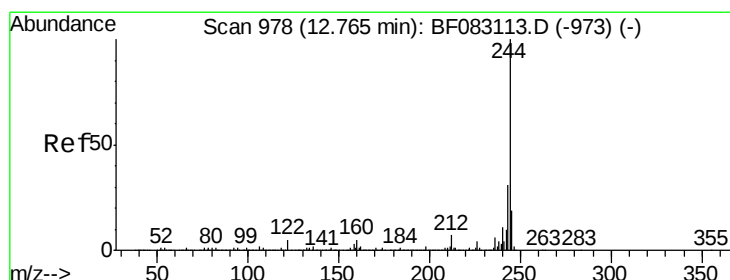
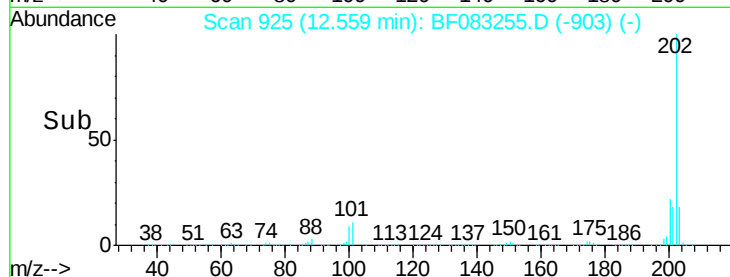
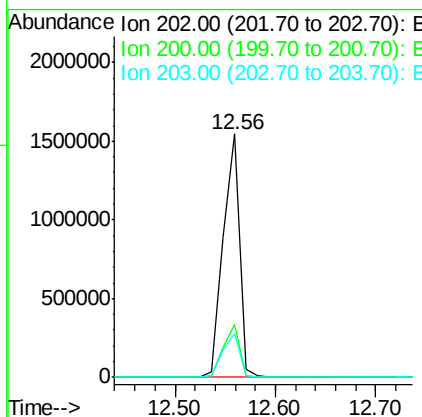
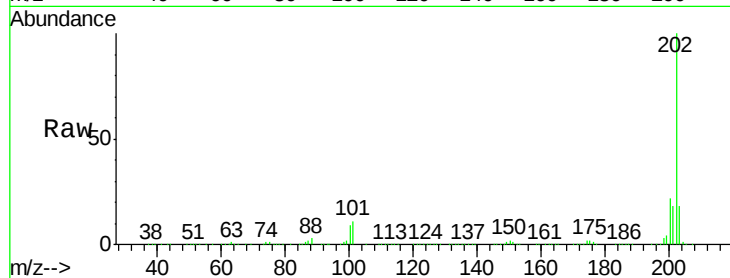
#77
 Pyrene
 Concen: 53.53 ng
 RT: 12.56 min Scan# 925
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion: 202 Resp: 1737752
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.8 26.6
 203 18.1 15.0 22.4

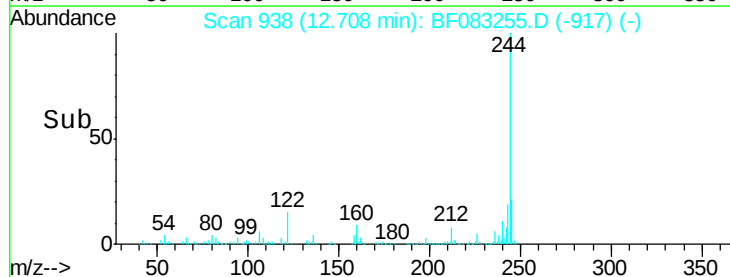
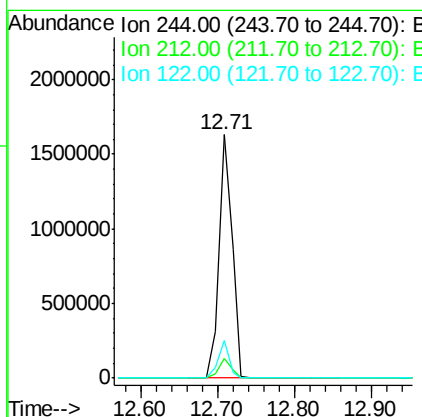
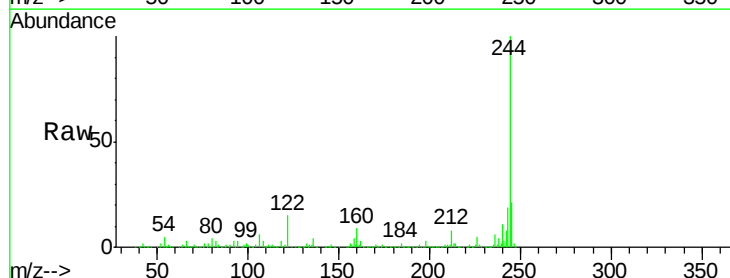
Manual Integrations
 APPROVED

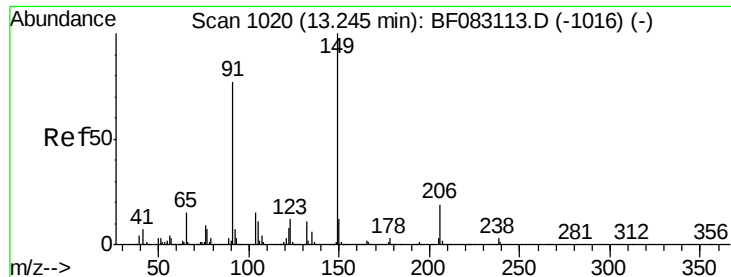
Mmdadoda
 11/25/2015 12:54:47 PM



#78
 Terphenyl-d14
 Concen: 96.20 ng
 RT: 12.71 min Scan# 938
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion: 244 Resp: 1941168
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 15.3 4.3 6.5#





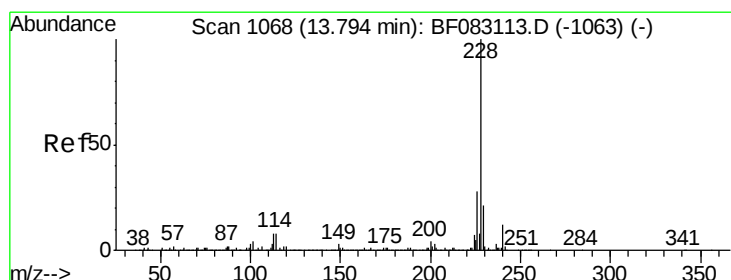
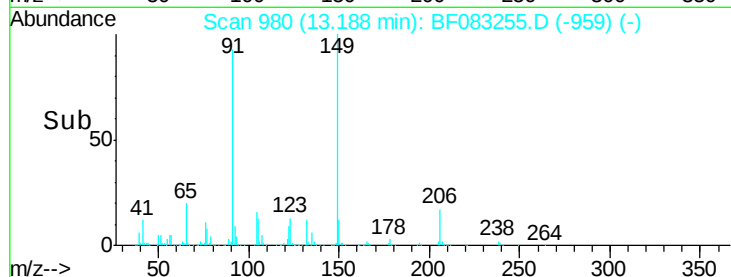
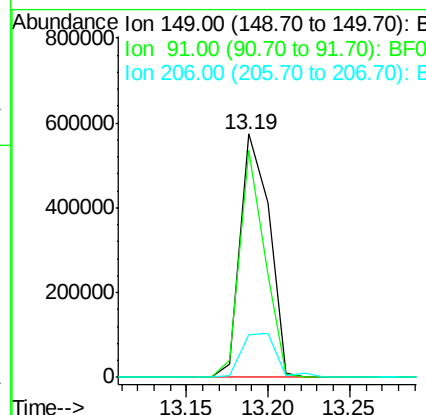
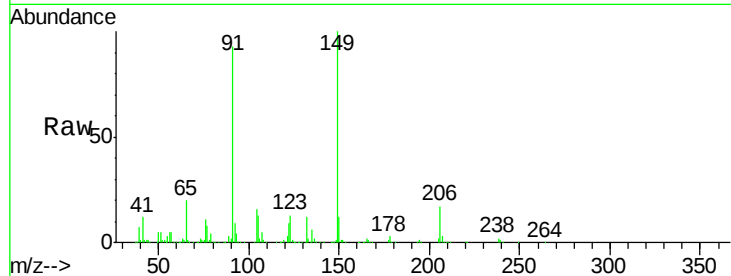
#79
Butylbenzylphthalate
Concen: 45.82 ng
RT: 13.19 min Scan# 980
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	704023		
91	93.1	61.5	92.3#	
206	17.3	15.3	22.9	

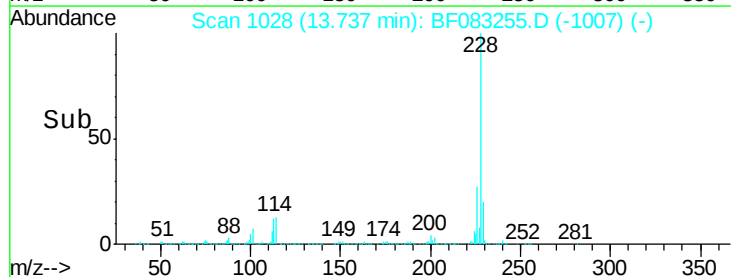
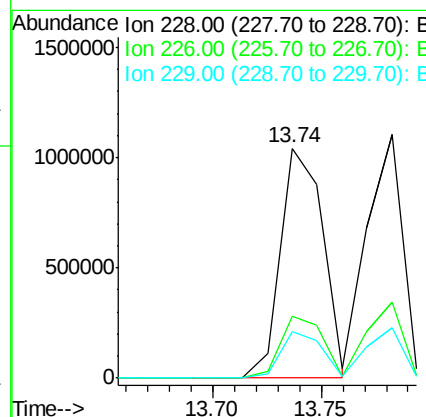
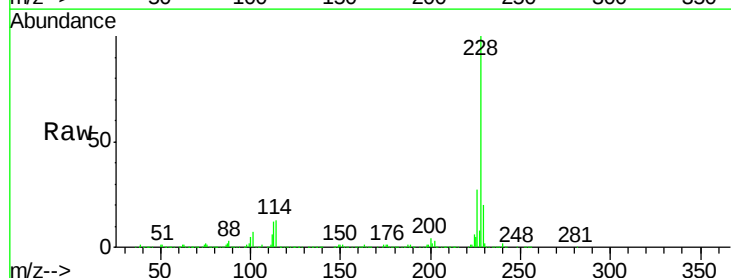
Manual Integrations
APPROVED

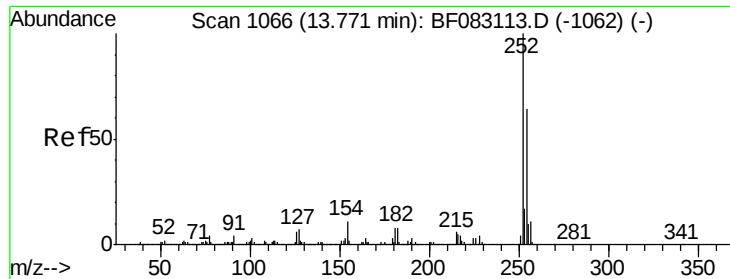
Mmdadoda
11/25/2015 12:54:47 PM



#80
Benzo(a)anthracene
Concen: 48.39 ng
RT: 13.74 min Scan# 1028
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1422075		
226	26.9	22.6	33.8	
229	20.2	16.6	24.8	





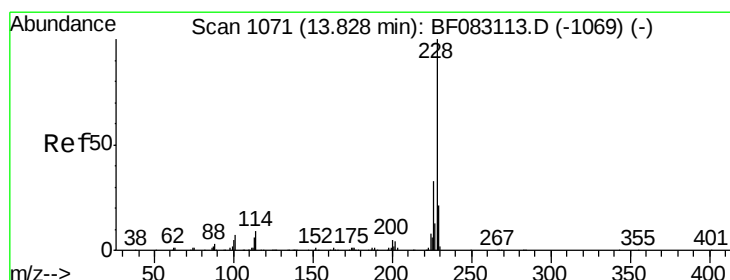
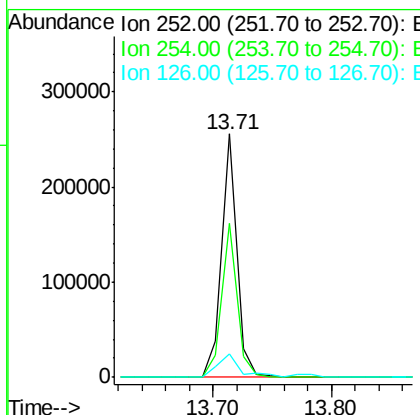
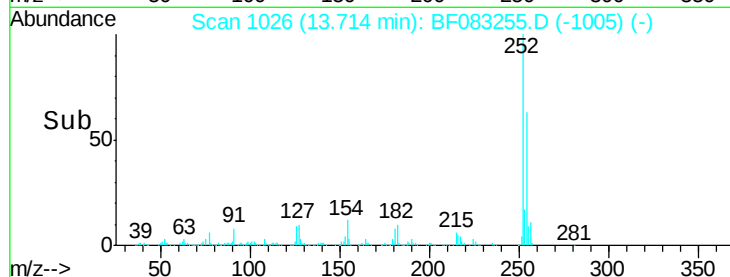
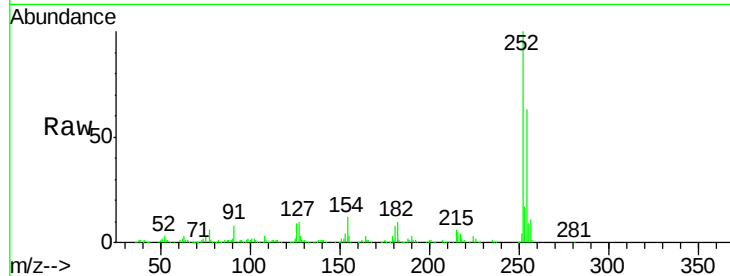
#81
 3,3'-Dichlorobenzidine
 Concen: 22.16 ng
 RT: 13.71 min Scan# 1026
 Delta R.T. -0.06 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	226685		
254	63.1	51.5	77.3	
126	9.5	5.2	7.8	

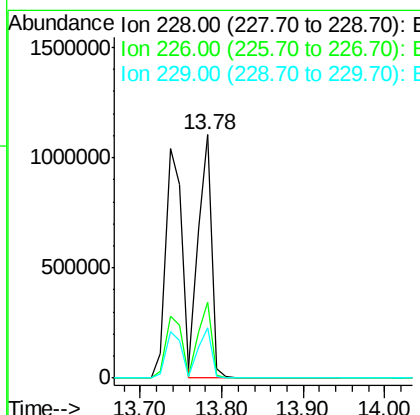
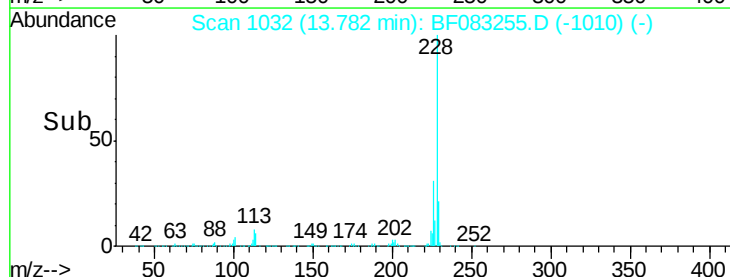
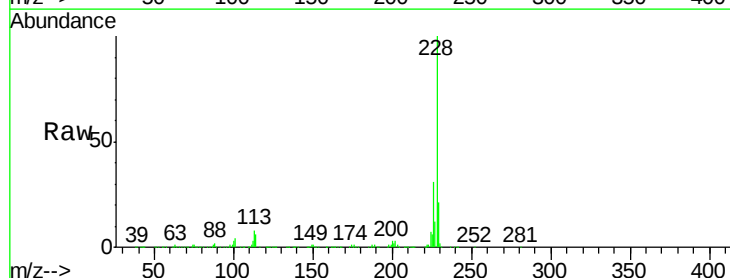
Manual Integrations
 APPROVED

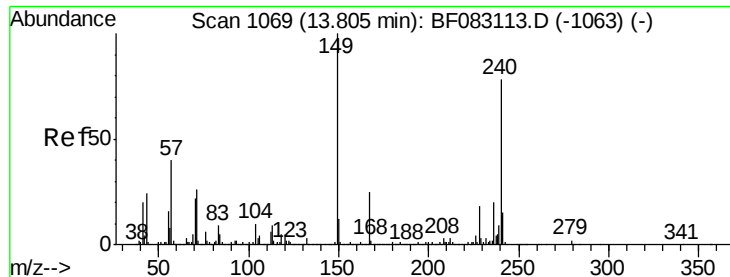
Mmdadoda
 11/25/2015 12:54:47 PM



#82
 Chrysene
 Concen: 46.43 ng
 RT: 13.78 min Scan# 1032
 Delta R.T. -0.05 min
 Lab File: BF083255.D
 Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1265436		
226	31.2	25.5	38.3	
229	20.7	16.6	25.0	





#83

Bis(2-ethylhexyl)phthalate

Concen: 47.69 ng

RT: 13.76 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF083255.D

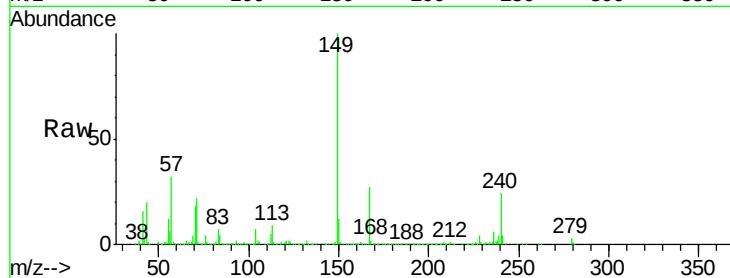
Acq: 25 Nov 2015 00:07

Instrument :

BNA_F

ClientSampleId :

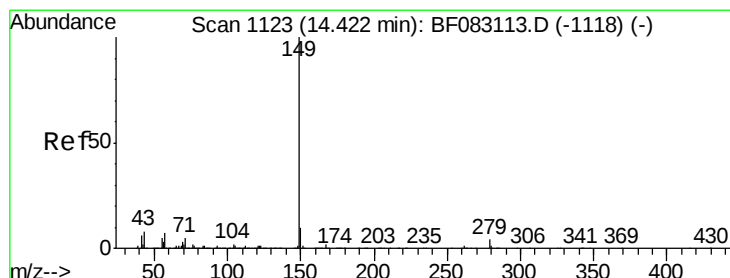
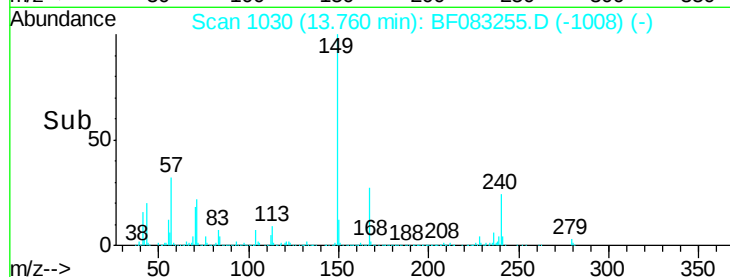
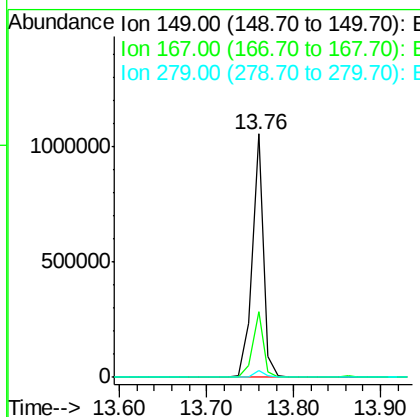
UST-WASTECHARCTARIZATIONM



Tgt Ion:	149	Resp:	956944
Ion Ratio	Lower	Upper	
149	100		
167	27.0	20.1	30.1
279	3.1	1.7	2.5#

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM



#84

Di-n-octyl phthalate

Concen: 40.18 ng

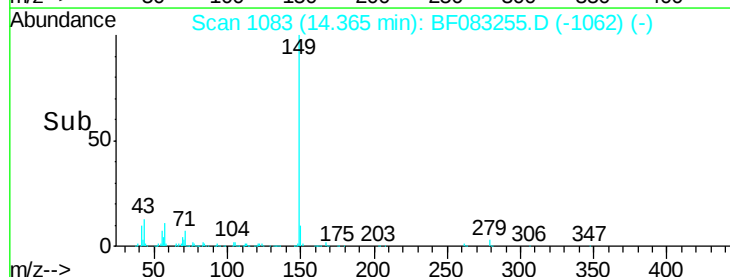
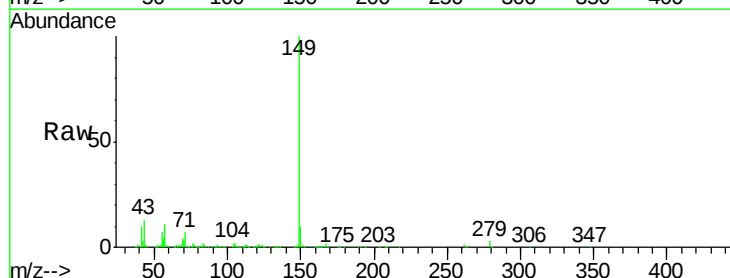
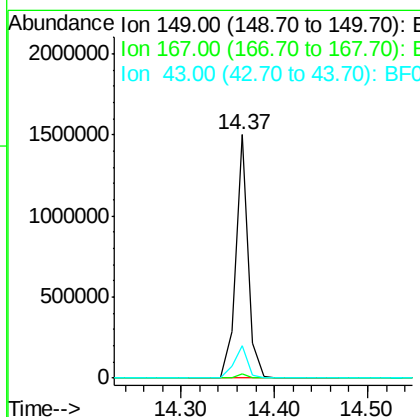
RT: 14.37 min Scan# 1083

Delta R.T. -0.06 min

Lab File: BF083255.D

Acq: 25 Nov 2015 00:07

Tgt Ion:	149	Resp:	1388070
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	14.3	9.5	14.3#





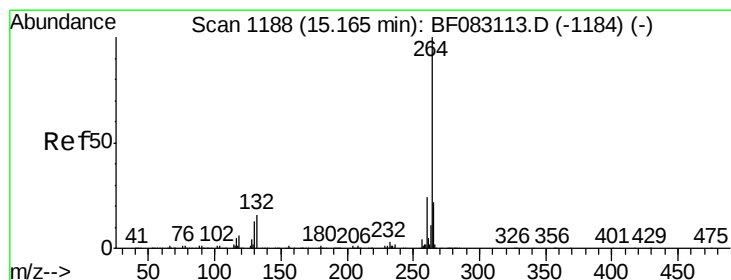
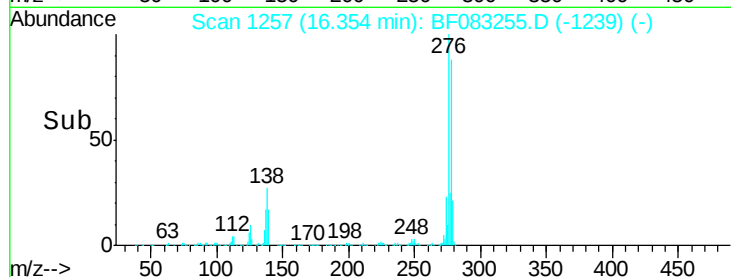
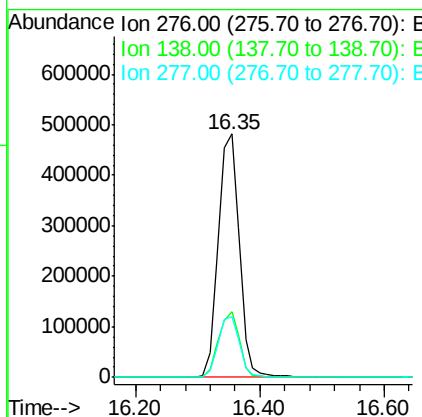
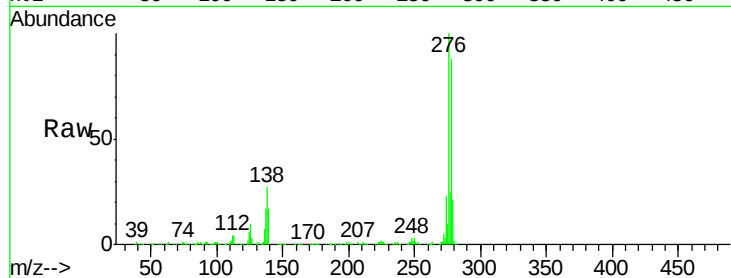
#85
Indeno(1,2,3-cd)pyrene
Concen: 45.44 ng
RT: 16.35 min Scan# 1257
Delta R.T. -0.09 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.0	27.0
277	25.0	20.2	30.4

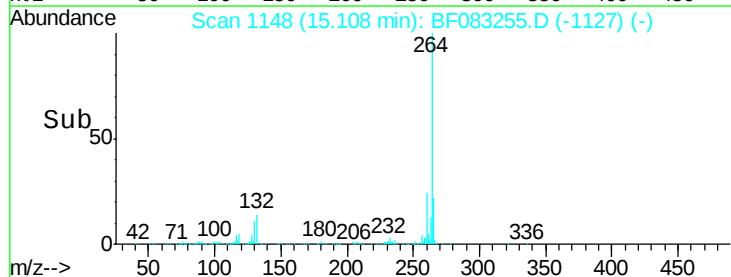
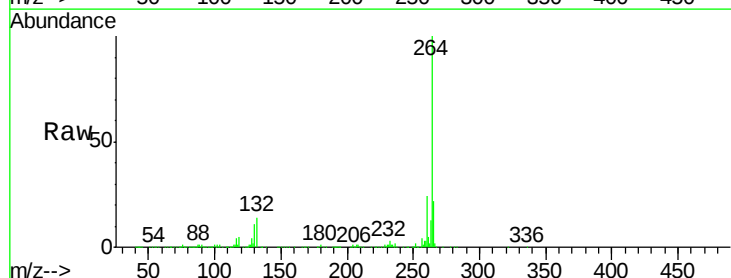
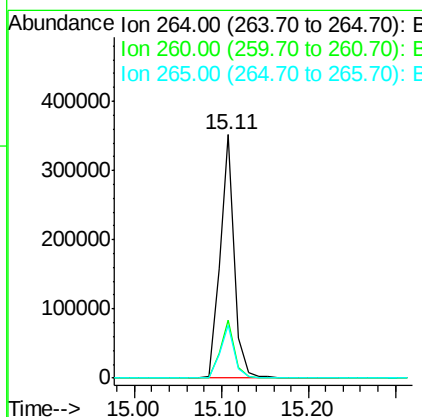
Manual Integrations
APPROVED

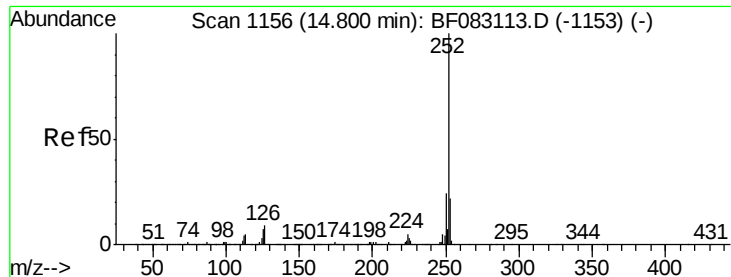
Mmdadoda
11/25/2015 12:54:47 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.6	18.2	27.4





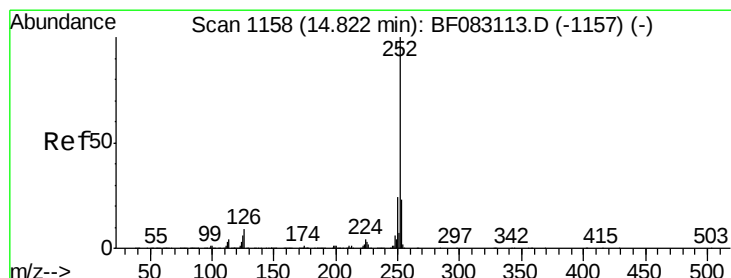
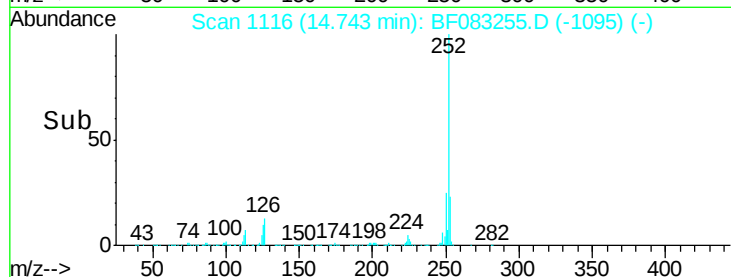
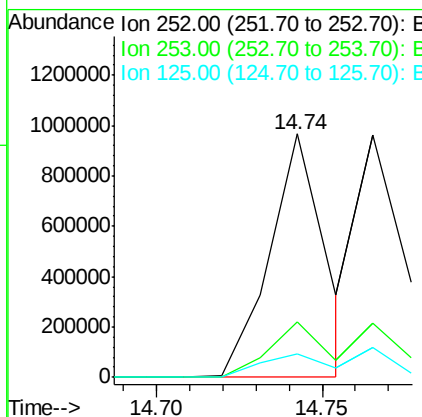
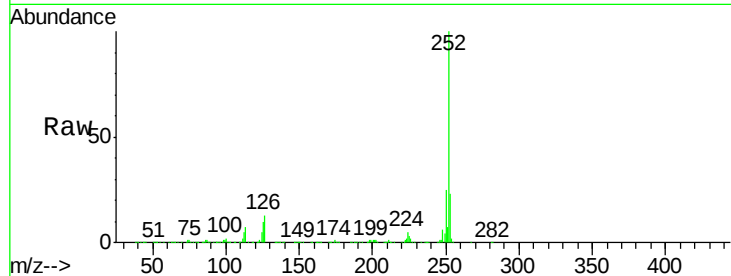
#87
Benzo(b)fluoranthene
Concen: 40.43 ng m
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion:252 Resp: 1114955
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.8 5.6 8.4#

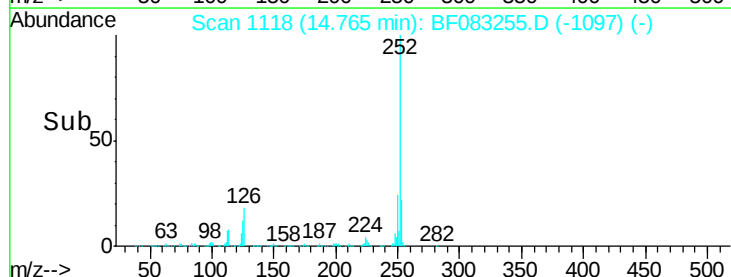
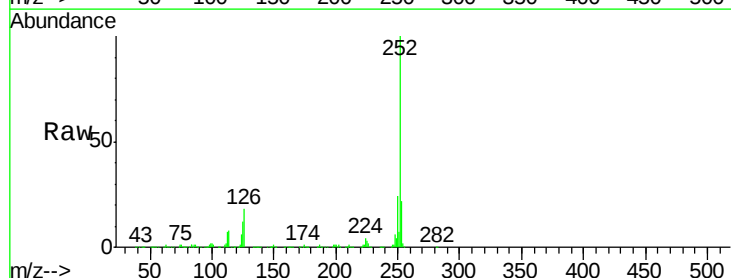
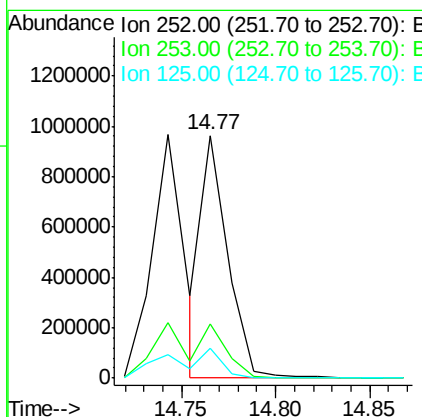
Manual Integrations
APPROVED

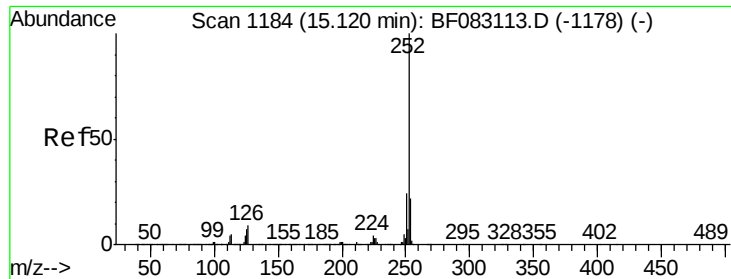
Mmdadoda
11/25/2015 12:54:47 PM



#88
Benzo(k)fluoranthene
Concen: 46.30 ng m
RT: 14.77 min Scan# 1118
Delta R.T. -0.06 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion:252 Resp: 951195
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 12.3 6.8 10.2#





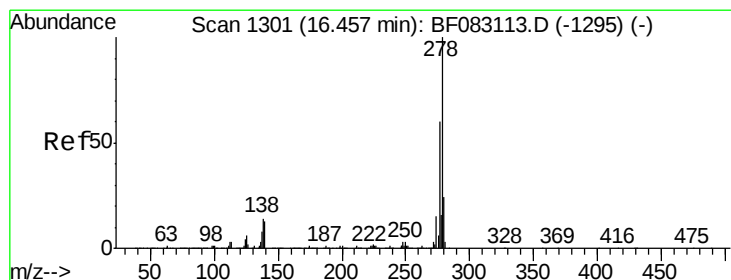
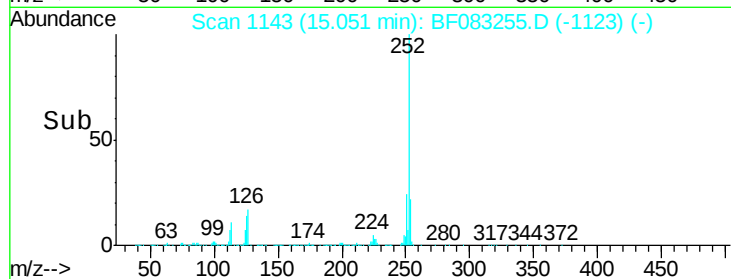
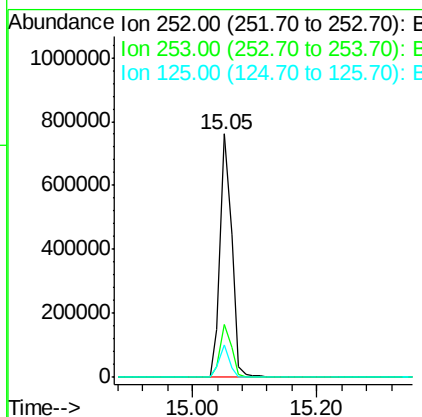
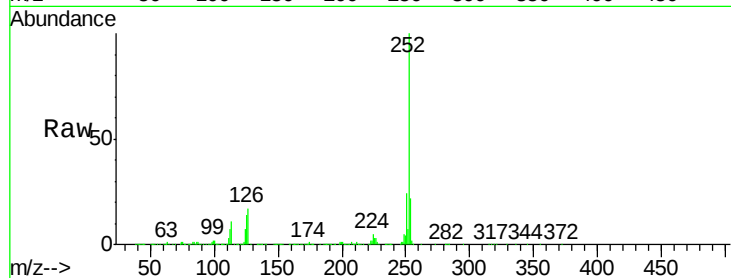
#89
Benzo(a)pyrene
Concen: 42.74 ng
RT: 15.05 min Scan# 1143
Delta R.T. -0.07 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	13.6	5.4	8.0

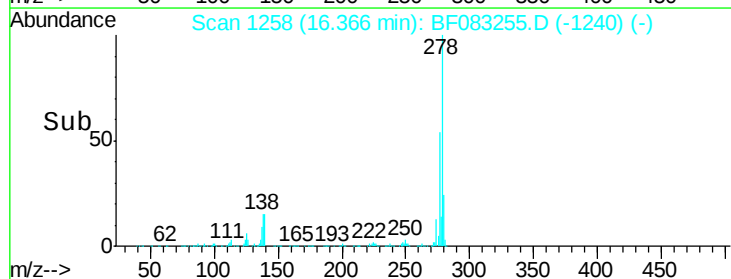
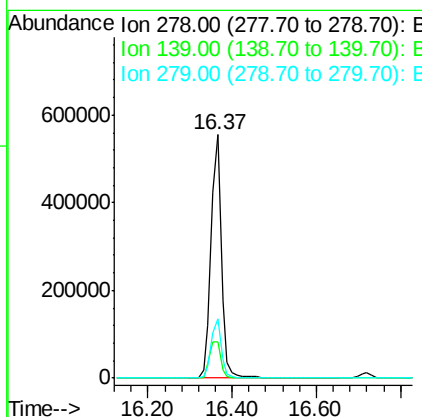
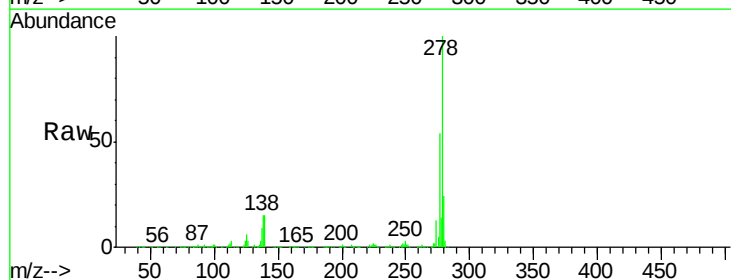
Manual Integrations
APPROVED

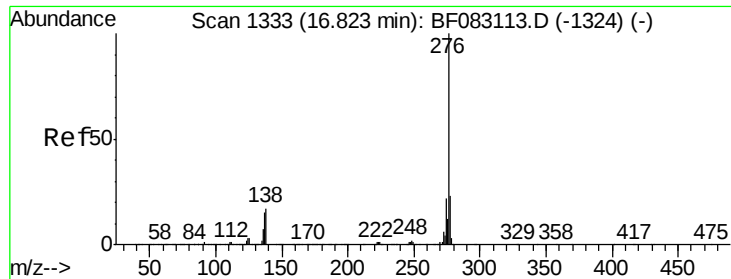
Mmdadoda
11/25/2015 12:54:47 PM



#90
Dibenzo(a,h)anthracene
Concen: 45.95 ng
RT: 16.37 min Scan# 1258
Delta R.T. -0.09 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	10.7	16.1
279	24.2	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 47.35 ng
RT: 16.72 min Scan# 1289
Delta R.T. -0.10 min
Lab File: BF083255.D
Acq: 25 Nov 2015 00:07

Instrument :
BNA_F
ClientSampleId :
UST-WASTECHARCTARIZATIONM

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	22.6	13.9	20.9

Manual Integrations
APPROVED

Mmdadoda
11/25/2015 12:54:47 PM

