

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082015\
 Data File : BF081138.D
 Acq On : 20 Aug 2015 22:15
 Operator : UM/IZ
 Sample : G3350-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MS

Manual Integrations
 APPROVED

MMDadoda
 8/21/2015 2:03:44 PM

Quant Time: Aug 21 03:46:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	61403	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	171978	20.00	ng	0.01
38) Acenaphthene-d10	9.66	164	96021	20.00	ng	0.03
63) Phenanthrene-d10	11.13	188	151221	20.00	ng	0.05
75) Chrysene-d12	13.71	240	120078	20.00	ng	0.00
86) Perylene-d12	15.04	264	112177	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	490423	120.13	ng	0.01
7) Phenol-d6	6.23	99	616705	115.78	ng	0.00
23) Nitrobenzene-d5	7.17	82	424673	112.80	ng	0.00
41) 2,4,6-Tribromophenol	10.45	330	69352	83.32	ng	0.05
44) 2-Fluorobiphenyl	8.98	172	452423	61.74	ng	0.02
78) Terphenyl-d14	12.69	244	391820	69.95	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.04	88	57099	29.68	ng	92
3) Pyridine	2.65	79	170461	31.39	ng	# 82
4) n-Nitrosodimethylamine	2.61	42	98438	32.56	ng	# 75
6) Aniline	6.24	93	113064	14.60	ng	# 1
8) 2-Chlorophenol	6.37	128	147051	32.91	ng	97
9) Benzaldehyde	6.13	77	89888m	26.18	ng	
10) Phenol	6.24	94	186069	29.58	ng	92
11) bis(2-Chloroethyl)ether	6.33	93	162096	33.58	ng	92
12) 1,3-Dichlorobenzene	6.53	146	149873	31.21	ng	96
13) 1,4-Dichlorobenzene	6.61	146	153788	32.35	ng	95
14) 1,2-Dichlorobenzene	6.76	146	124655m	28.01	ng	
15) Benzyl Alcohol	6.74	79	145741	33.82	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.89	45	233265	24.59	ng	51
17) 2-Methylphenol	6.86	107	120403	31.40	ng	# 83
18) Hexachloroethane	7.18	117	730416m	380.23	ng	
19) n-Nitroso-di-n-propylamine	7.02	70	178033	48.25	ng	# 88
20) 3+4-Methylphenols	7.02	107	151763	31.19	ng	# 66
22) Acetophenone	7.00	105	836608	185.29	ng	# 46
24) Nitrobenzene	7.18	77	271055	68.86	ng	# 77
25) Isophorone	7.43	82	358734	51.10	ng	# 65
26) 2-Nitrophenol	7.50	139	69837	42.66	ng	# 61
27) 2,4-Dimethylphenol	7.56	122	126644	43.73	ng	94
28) bis(2-Chloroethoxy)methane	7.65	93	188220	45.38	ng	# 59
29) 2,4-Dichlorophenol	7.75	162	110753	45.42	ng	# 82
30) 1,2,4-Trichlorobenzene	7.83	180	107286	39.59	ng	98
31) Naphthalene	7.91	128	1682488	175.51	ng	# 91
33) 4-Chloroaniline	7.91	127	399619	98.80	ng	# 42
34) Hexachlorobutadiene	8.04	225	58999	38.50	ng	97
35) Caprolactam	8.36	113	197918	232.26	ng	# 22
36) 4-Chloro-3-methylphenol	8.47	107	117896	40.57	ng	92
37) 2-Methylnaphthalene	8.64	142	2891530	477.50	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	80432	25.96	ng	# 85
40) Hexachlorocyclopentadiene	8.78	237	63765	39.77	ng	97
42) 2,4,6-Trichlorophenol	8.90	196	55977m	25.58	ng	

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082015\
 Data File : BF081138.D
 Acq On : 20 Aug 2015 22:15
 Operator : UM/IZ
 Sample : G3350-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MS

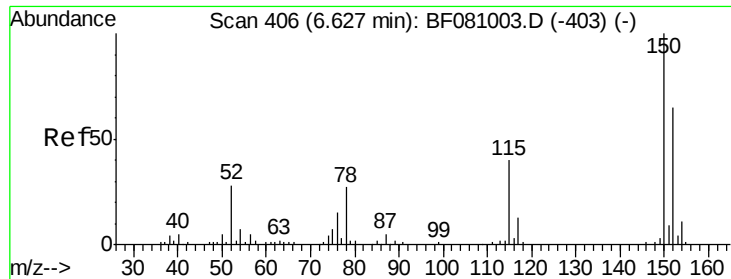
Manual Integrations
 APPROVED

MMDadoda
 8/21/2015 2:03:44 PM

Quant Time: Aug 21 03:46:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.94	196	50680m	23.17	nq	
45) 1,1'-Biphenyl	9.09	154	535593	63.32	nq	96
46) 2-Chloronaphthalene	9.11	162	175236	25.79	nq	# 57
47) 2-Nitroaniline	9.20	65	148096	53.26	nq	# 86
48) Acenaphthylene	9.53	152	347882	28.62	nq	# 70
49) Dimethylphthalate	9.38	163	223450	28.26	nq	# 85
50) 2,6-Dinitrotoluene	9.45	165	42343	24.94	nq	# 1
51) Acenaphthene	9.69	154	315810	43.40	nq	# 89
52) 3-Nitroaniline	9.60	138	64365	30.29	nq	# 87
54) Dibenzofuran	9.86	168	347012	35.59	nq	# 60
55) 4-Nitrophenol	9.77	139	169825	113.80	nq	# 56
56) 2,4-Dinitrotoluene	9.88	165	66654	29.62	nq	# 85
57) Fluorene	10.21	166	545832	72.77	nq	# 85
58) 2,3,4,6-Tetrachlorophenol	10.00	232	29228	17.26	nq	# 1
59) Diethylphthalate	10.08	149	197414	23.59	nq	# 87
60) 4-Chlorophenyl-phenylether	10.21	204	91314	28.77	nq	# 59
61) 4-Nitroaniline	10.22	138	47537	21.89	nq	84
62) Azobenzene	10.37	77	226830	23.52	nq	# 46
65) n-Nitrosodiphenylamine	10.32	169	634926m	117.62	nq	
66) 4-Bromophenyl-phenylether	10.69	248	50691	34.12	nq	# 54
67) Hexachlorobenzene	10.79	284	42730	28.40	nq	# 76
68) Atrazine	10.85	200	77227	51.35	nq	82
69) Pentachlorophenol	10.95	266	44928	49.77	nq	99
70) Phenanthrene	11.17	178	1204945m	134.45	nq	
71) Anthracene	11.21	178	410210m	47.04	nq	
72) Carbazole	11.36	167	329942	39.30	nq	# 82
73) Di-n-butylphthalate	11.69	149	331172	32.60	nq	# 95
74) Fluoranthene	12.32	202	335200	34.66	nq	85
76) Benzidine	12.44	184	75232	16.59	nq	# 79
77) Pyrene	12.55	202	495770m	50.79	nq	
79) Butylbenzylphthalate	13.16	149	155669	37.10	nq	# 68
80) Benzo(a)anthracene	13.71	228	275875	34.26	nq	98
81) 3,3'-Dichlorobenzidine	13.67	252	64839	24.86	nq	# 98
82) Chrysene	13.74	228	275875	38.01	nq	99
83) Bis(2-ethylhexyl)phthalate	13.72	149	234470	43.63	nq	99
84) Di-n-octyl phthalate	14.32	149	343277	42.02	nq	# 99
85) Indeno(1,2,3-cd)pyrene	16.24	276	255882	50.22	nq	# 94
87) Benzo(b)fluoranthene	14.69	252	266311m	33.56	nq	
88) Benzo(k)fluoranthene	14.71	252	179910m	24.33	nq	
89) Benzo(a)pyrene	14.99	252	213285	30.85	nq	# 96
90) Dibenzo(a,h)anthracene	16.25	278	212782	39.50	nq	# 95
91) Benzo(g,h,i)perylene	16.60	276	219277	40.12	nq	# 88

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



#1

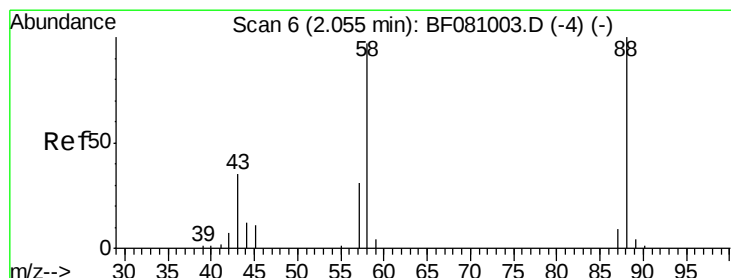
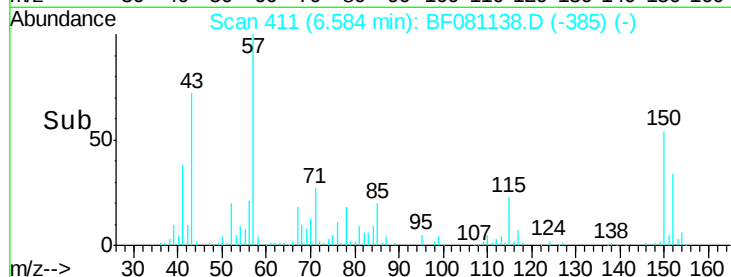
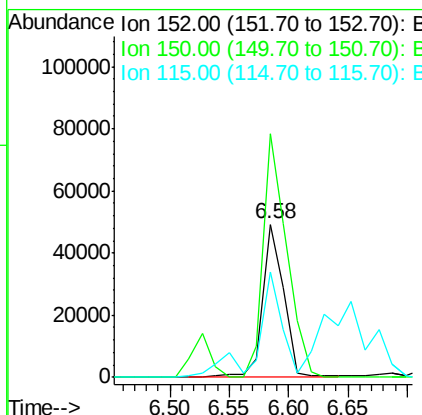
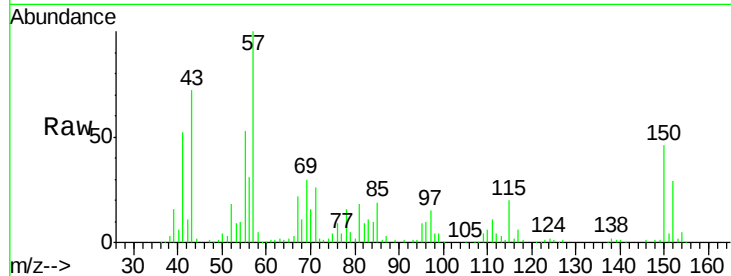
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	123.8	185.6
115	69.0	52.1	78.1

Manual Integrations
APPROVED

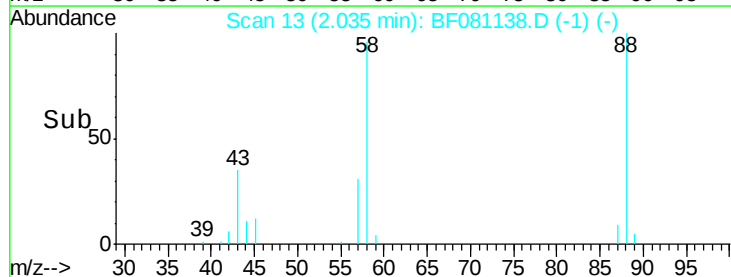
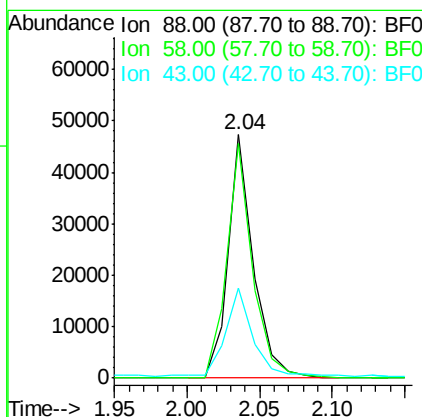
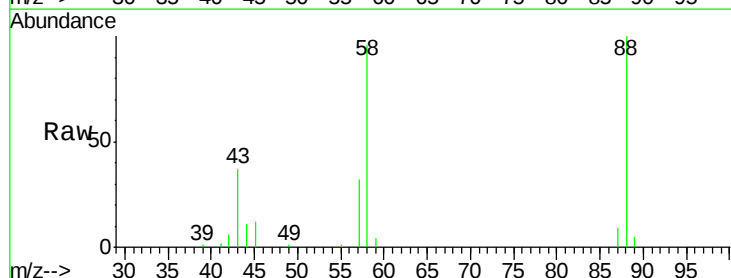
MMDadoda
8/21/2015 2:03:44 PM

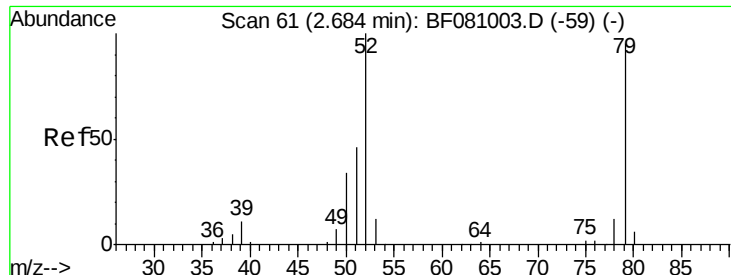


#2

1,4-Dioxane
Concen: 29.68 ng
RT: 2.04 min Scan# 13
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.9	83.7	125.5
43	38.3	37.5	56.3





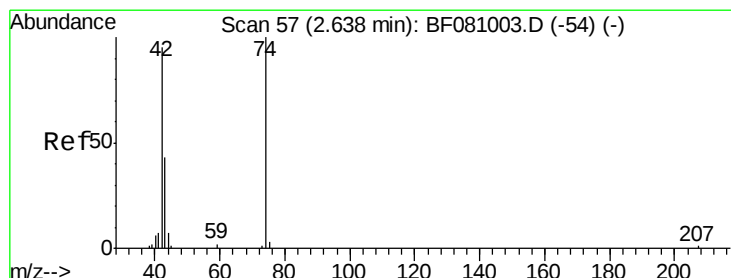
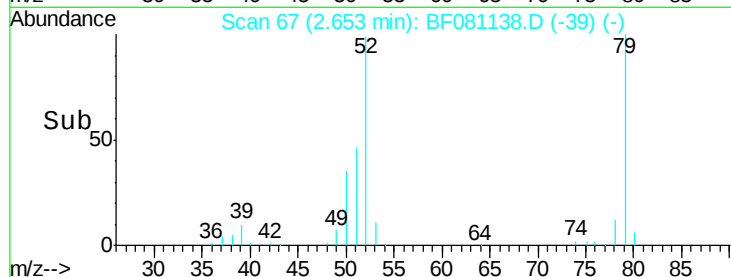
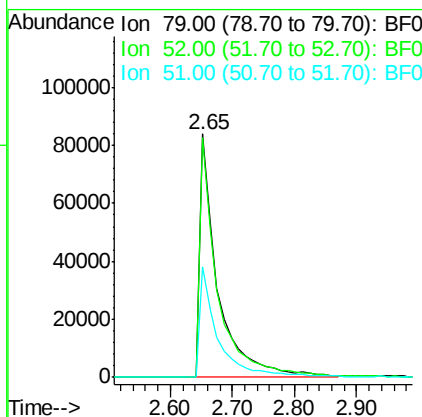
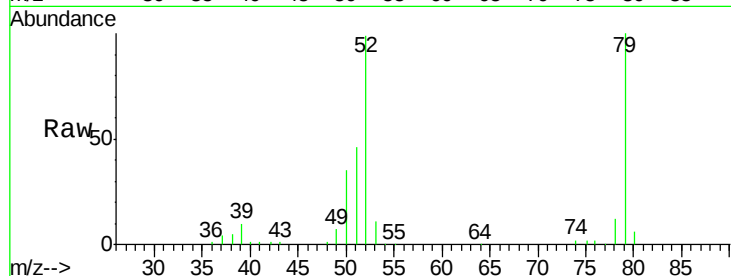
#3
 Pvridine
 Concen: 31.39 ng
 RT: 2.65 min Scan# 67
 Delta R.T. 0.02 min
 Lab File: BF081138.D
 Acq: 20 Aug 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MS

Tot Ion	Ion	Ratio	Lower	Upper
79	79	100		
52	52	98.7	95.1	142.7
51	51	45.6	46.6	70.0#

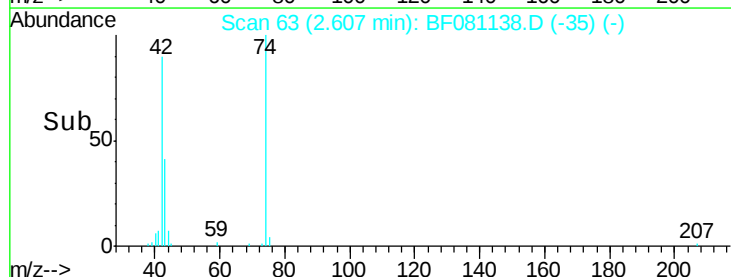
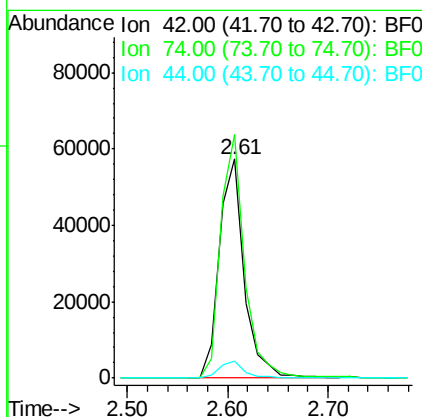
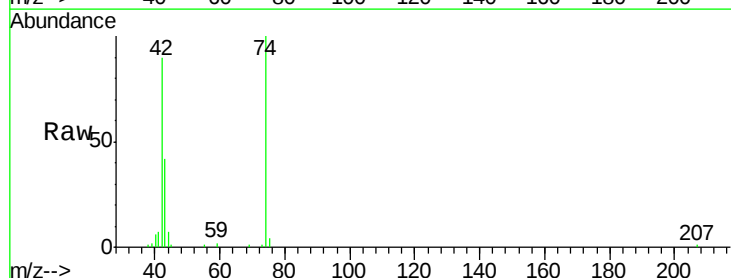
Manual Integrations
 APPROVED

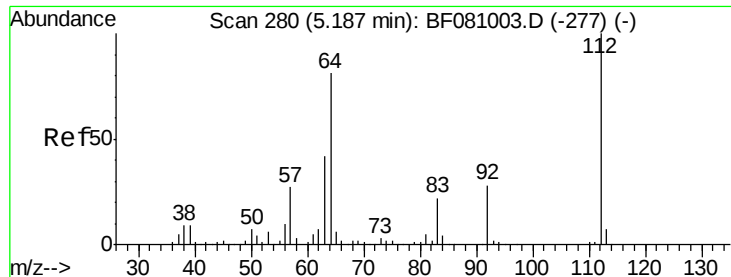
MMDadoda
 8/21/2015 2:03:44 PM



#4
 n-Nitrosodimethylamine
 Concen: 32.56 ng
 RT: 2.61 min Scan# 63
 Delta R.T. 0.02 min
 Lab File: BF081138.D
 Acq: 20 Aug 2015 22:15

Tgt Ion	Ion	Ratio	Lower	Upper
42	42	100		
74	74	111.1	69.3	103.9#
44	44	7.7	5.5	8.3





#5

2-Fluorophenol

Concen: 120.13 ng

RT: 5.16 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

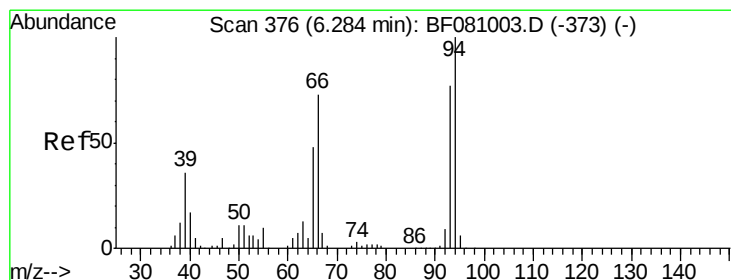
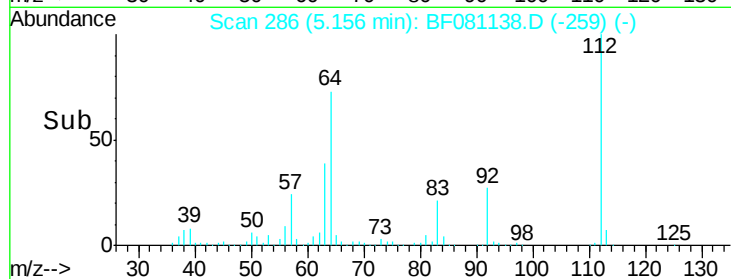
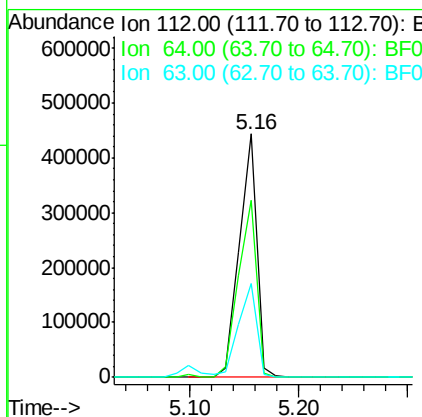
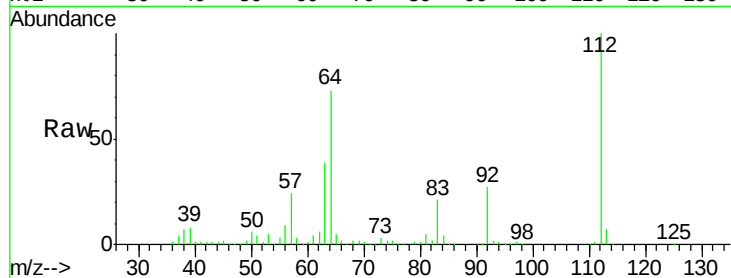
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	112	Resp:	490423
Ion Ratio	Lower	Upper	
112	100		
64	72.5	66.9	100.3
63	38.7	38.1	57.1

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#6

Aniline

Concen: 14.60 ng

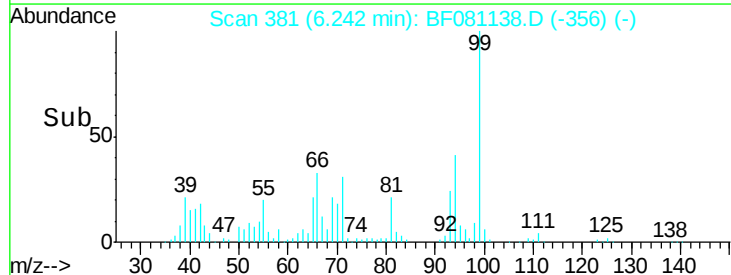
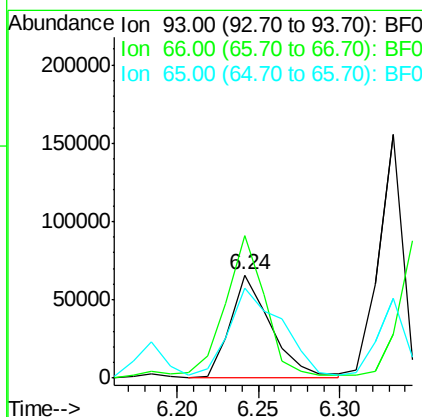
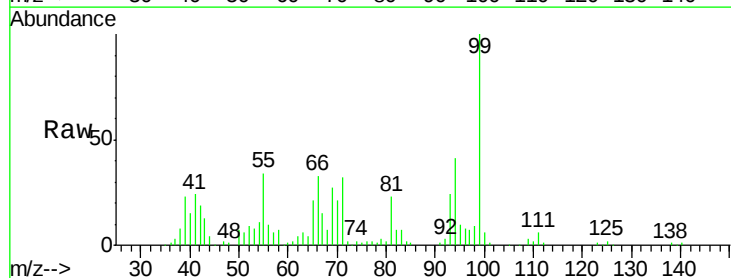
RT: 6.24 min Scan# 381

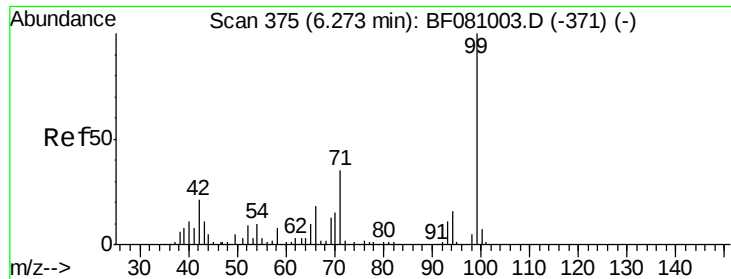
Delta R.T. -0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	93	Resp:	113064
Ion Ratio	Lower	Upper	
93	100		
66	138.0	35.6	53.4#
65	87.0	18.7	28.1#





#7

Phenol-d6

Concen: 115.78 ng

RT: 6.23 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

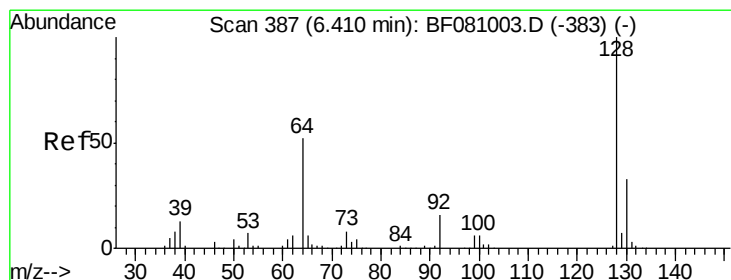
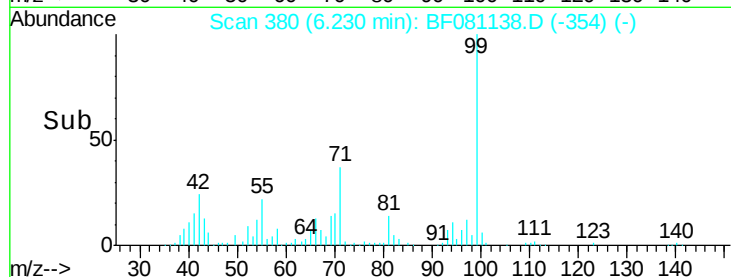
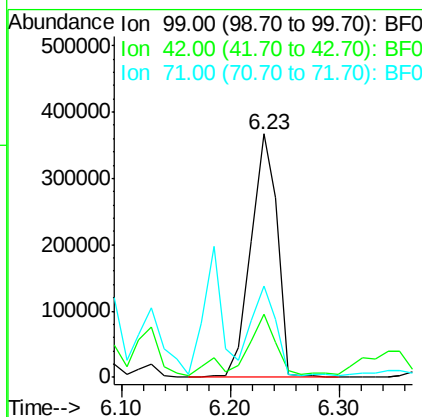
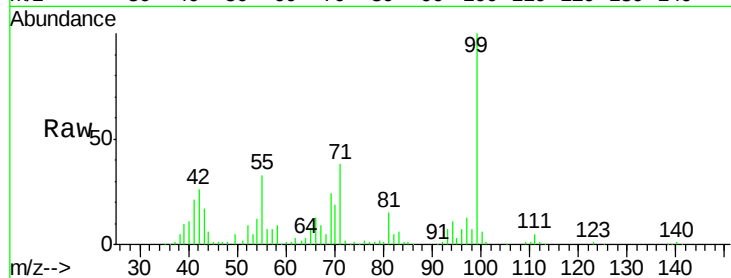
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	99	Resp:	616705
Ion Ratio	Lower	Upper	
99	100		
42	25.8	19.6	29.4
71	37.7	31.2	46.8

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#8

2-Chlorophenol

Concen: 32.91 ng

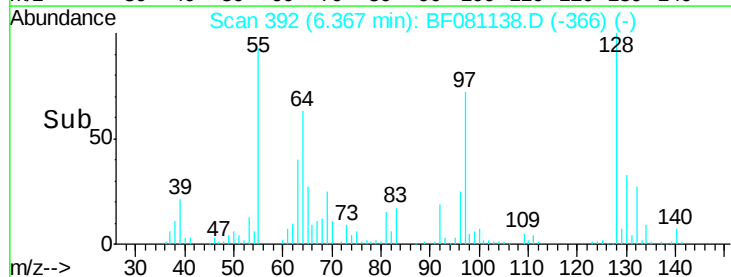
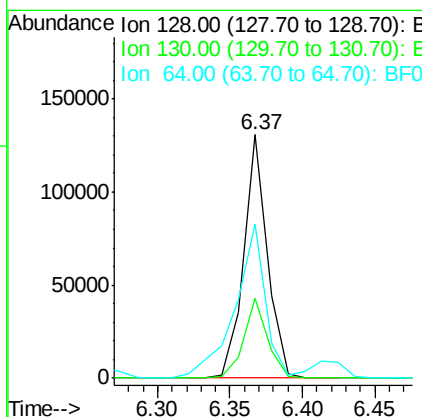
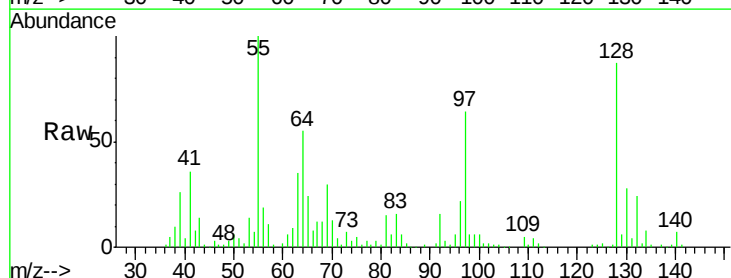
RT: 6.37 min Scan# 392

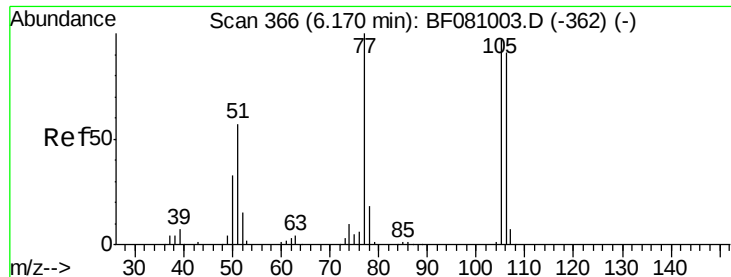
Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	128	Resp:	147051
Ion Ratio	Lower	Upper	
128	100		
130	32.6	12.5	52.5
64	63.5	46.8	86.8





#9

Benzaldehyde

Concen: 26.18 ng/ml

RT: 6.13 min Scan# 371

Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

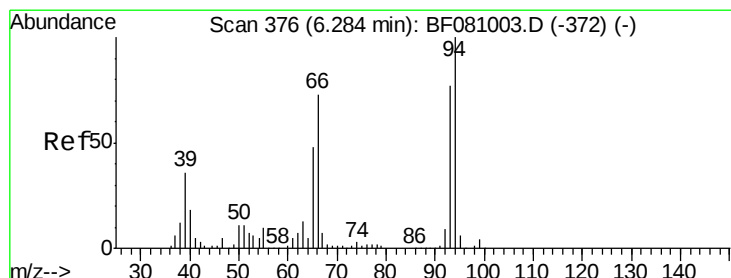
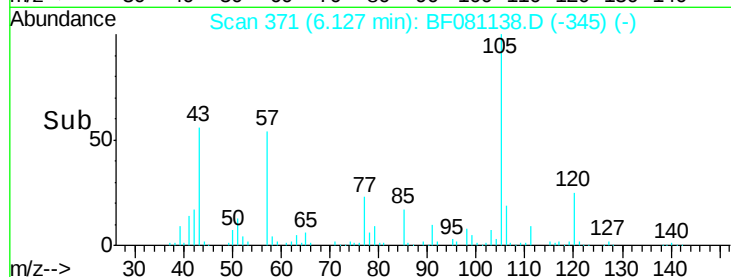
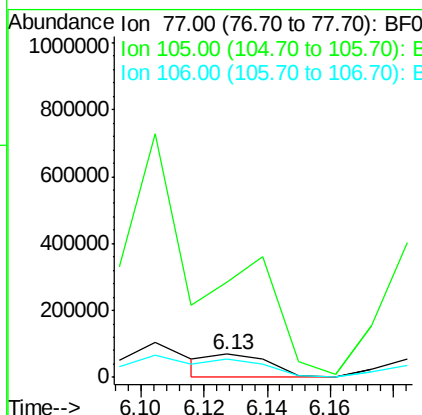
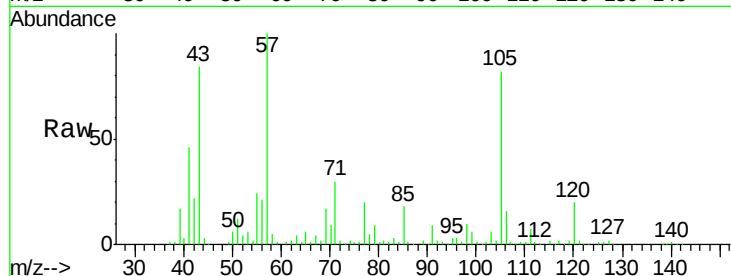
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	77	Resp:	89888
Ion	Ratio	Lower	Upper
77	100		
105	409.1	69.6	109.6#
106	78.8	64.0	104.0

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#10

Phenol

Concen: 29.58 ng/ml

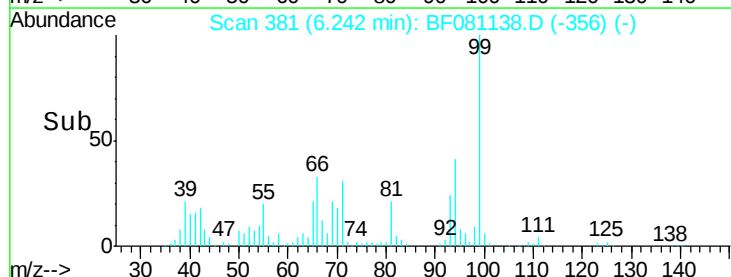
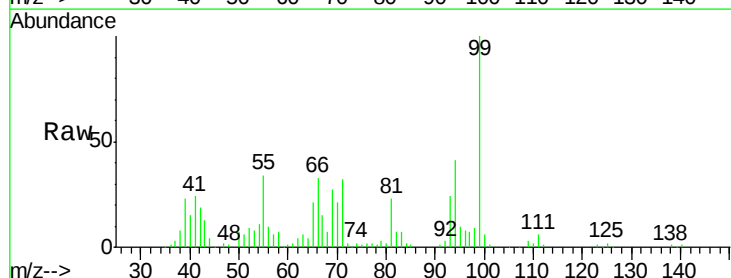
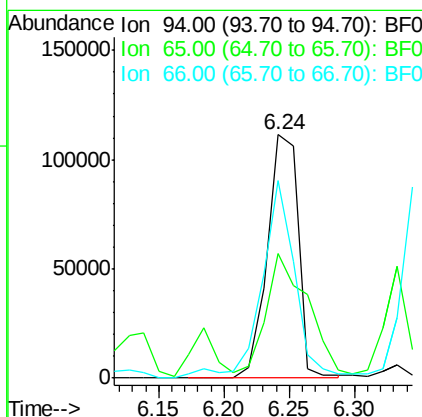
RT: 6.24 min Scan# 381

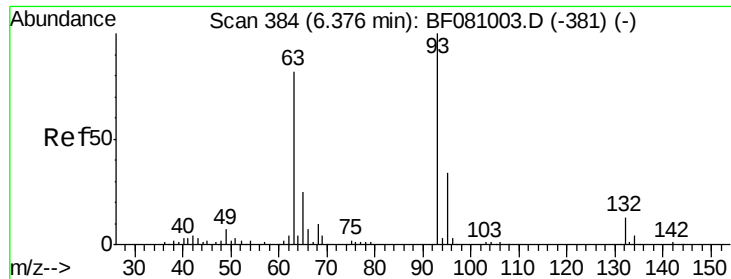
Delta R.T. -0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	94	Resp:	186069
Ion	Ratio	Lower	Upper
94	100		
65	51.3	28.4	68.4
66	81.4	52.3	92.3





#11

bis(2-Chloroethyl)ether

Concen: 33.58 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

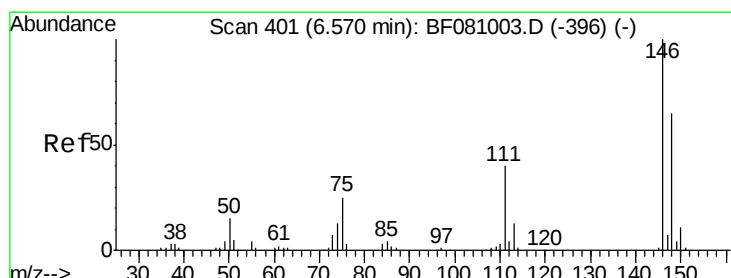
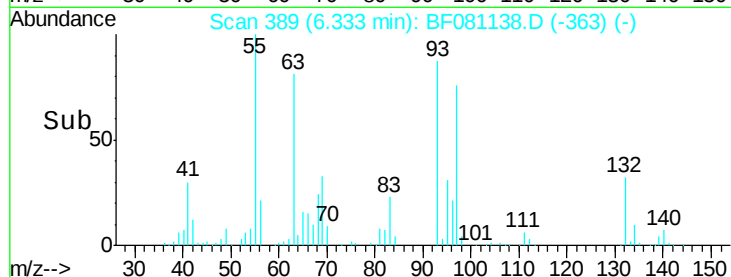
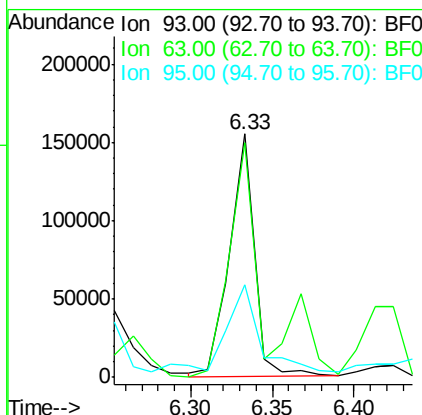
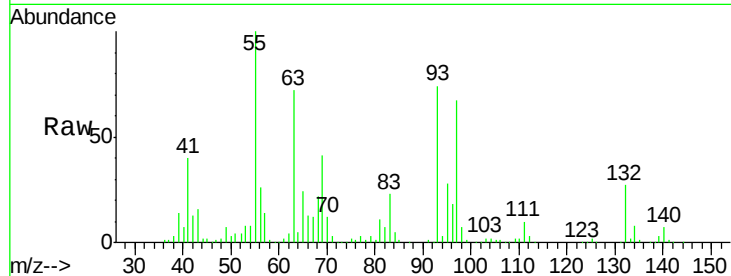
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	93	Resp:	162096
Ion Ratio	Lower	Upper	
93	100		
63	96.1	69.6	109.6
95	37.8	12.3	52.3

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#12

1,3-Dichlorobenzene

Concen: 31.21 ng

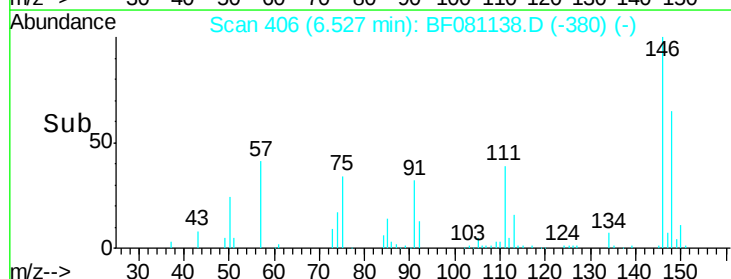
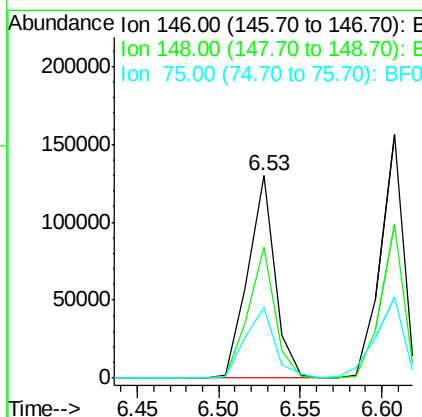
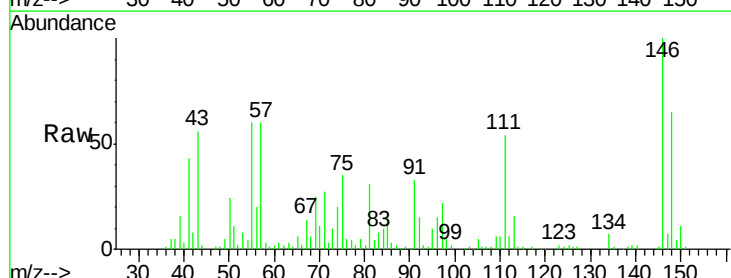
RT: 6.53 min Scan# 406

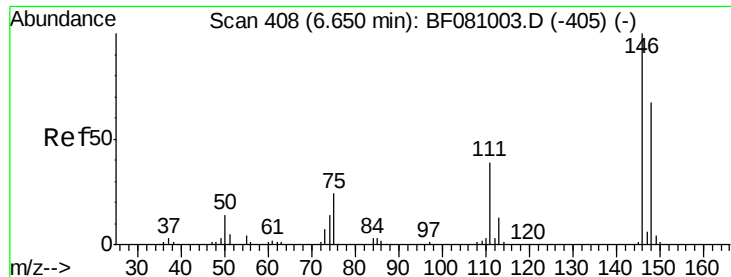
Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	146	Resp:	149873
Ion Ratio	Lower	Upper	
146	100		
148	64.8	53.3	79.9
75	34.8	25.0	37.6





#13

1,4-Dichlorobenzene

Concen: 32.35 ng

RT: 6.61 min Scan# 413

Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

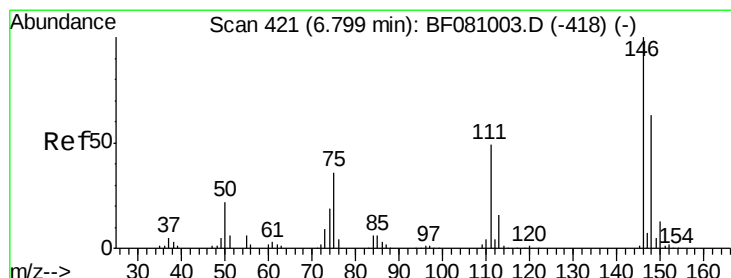
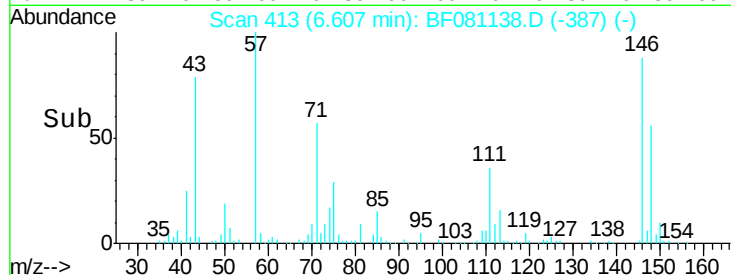
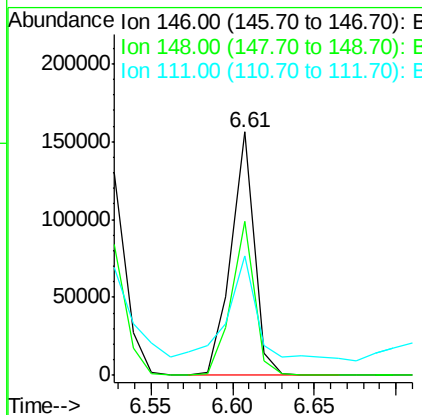
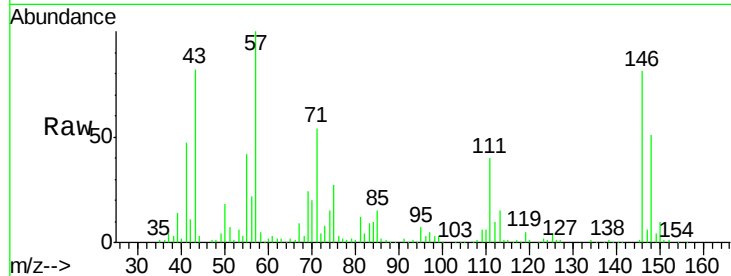
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	146	Resp:	153788
Ion Ratio	Lower	Upper	
146	100		
148	63.2	52.3	78.5
111	49.0	34.4	51.6

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#14

1,2-Dichlorobenzene

Concen: 28.01 ng m

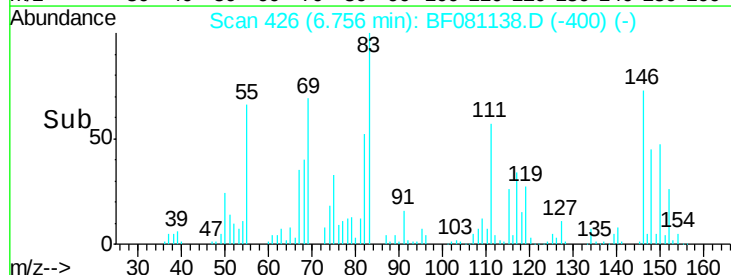
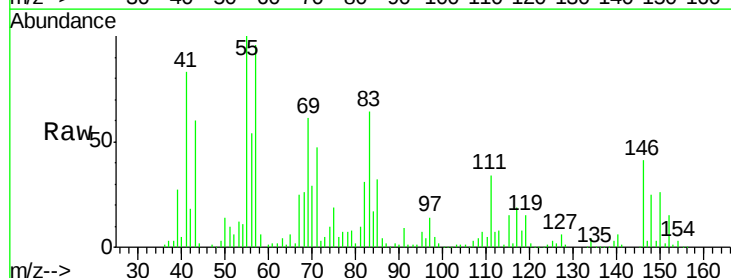
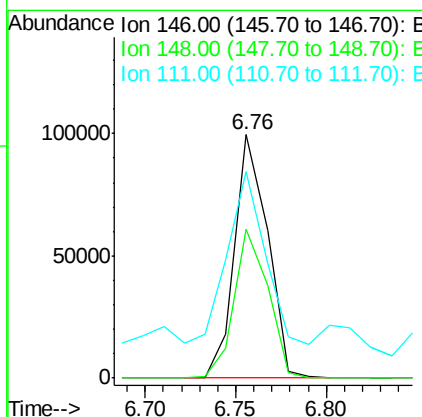
RT: 6.76 min Scan# 426

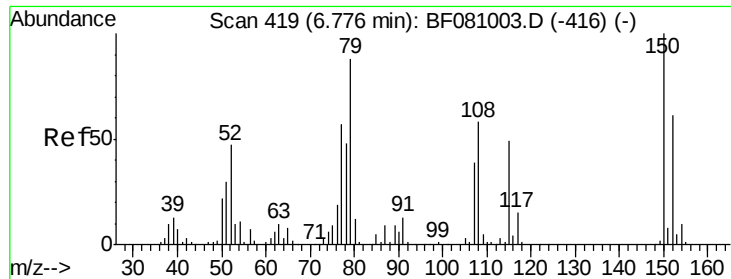
Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	146	Resp:	124655
Ion Ratio	Lower	Upper	
146	100		
148	61.0	48.7	73.1
111	85.0	42.3	63.5#





#15

Benzyl Alcohol

Concen: 33.82 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

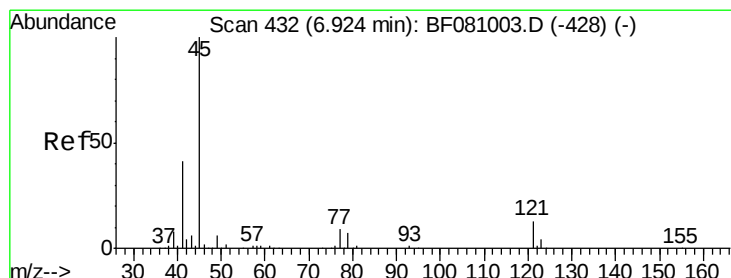
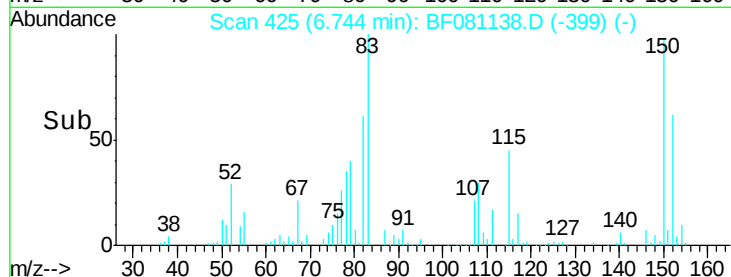
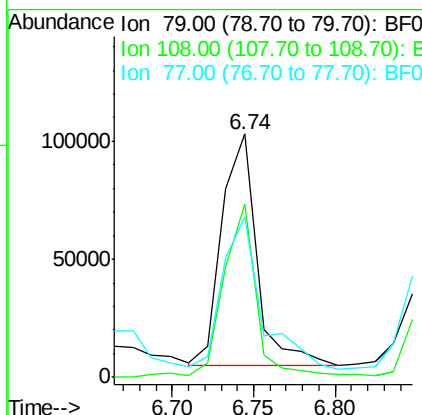
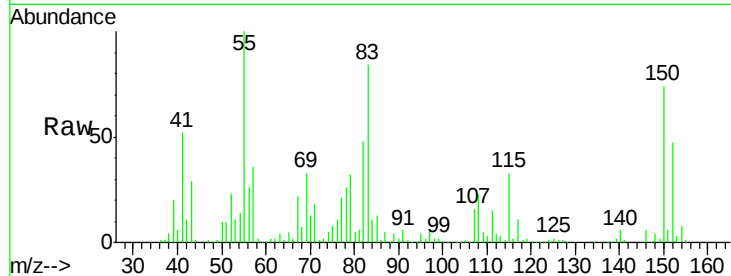
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	79	Resp:	145741
Ion Ratio	Lower	Upper	
79	100		
108	71.2	49.4	74.2
77	65.8	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 24.59 ng

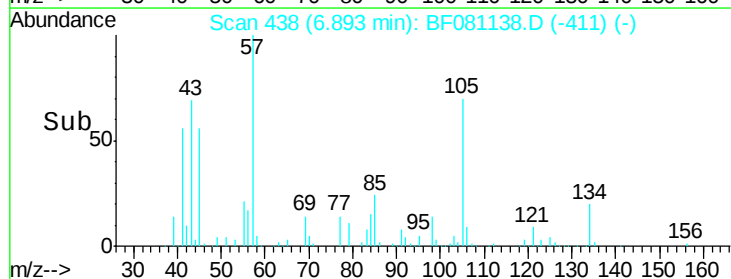
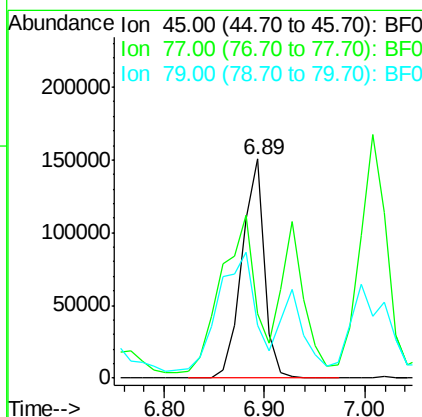
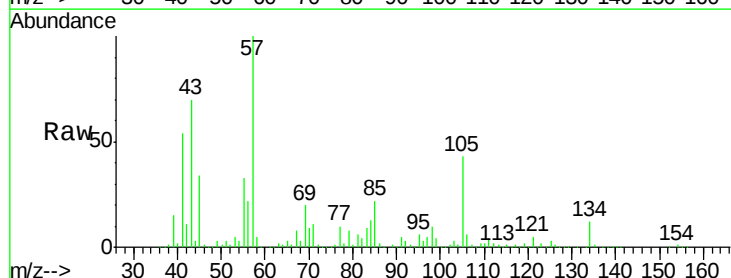
RT: 6.89 min Scan# 438

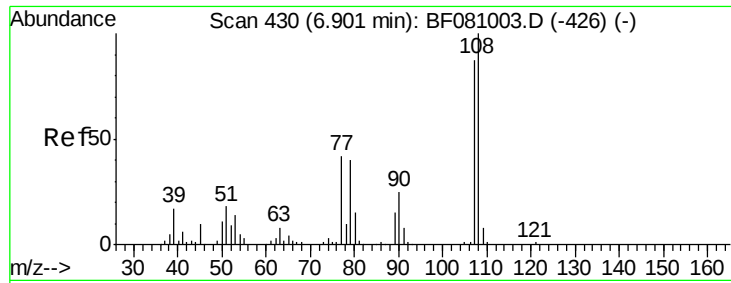
Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	45	Resp:	233265
Ion Ratio	Lower	Upper	
45	100		
77	29.3	0.0	30.2
79	24.4	0.0	28.0





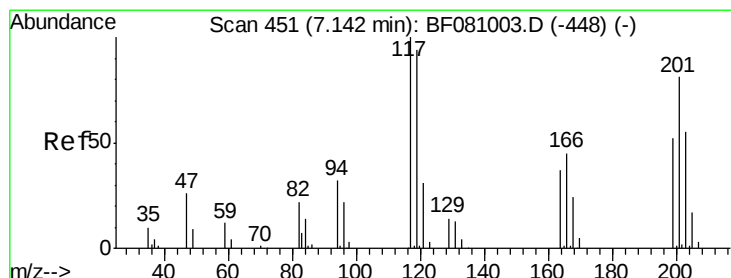
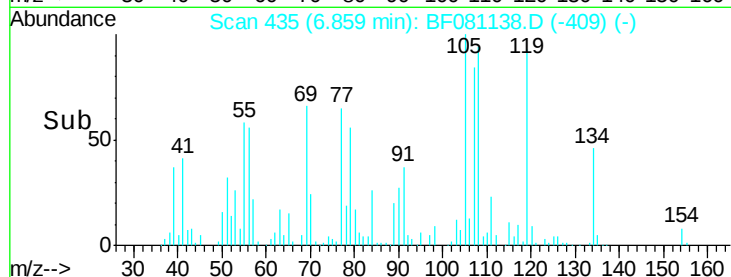
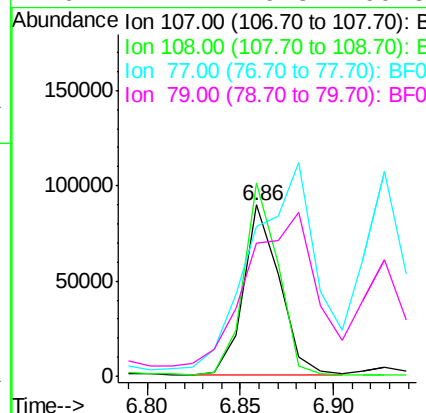
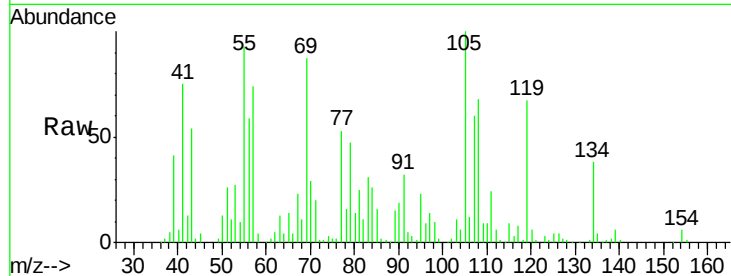
#17
2-Methylphenol
Concen: 31.40 ng
RT: 6.86 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	120403		
108	112.7	90.4	135.6	
77	87.8	46.5	69.7#	
79	77.7	46.3	69.5#	

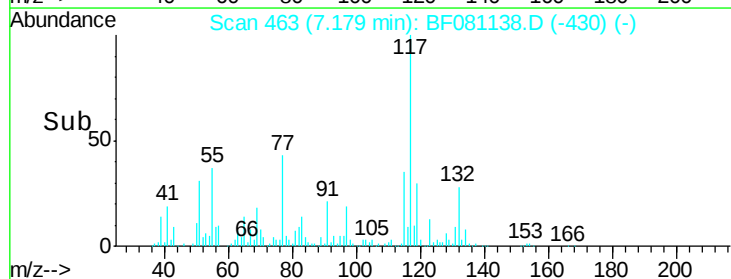
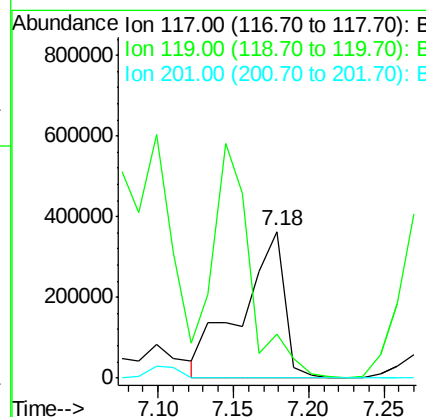
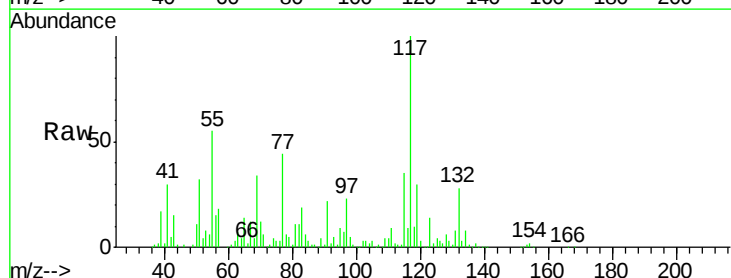
Manual Integrations
APPROVED

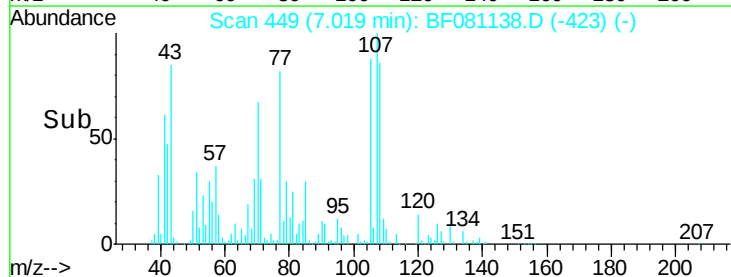
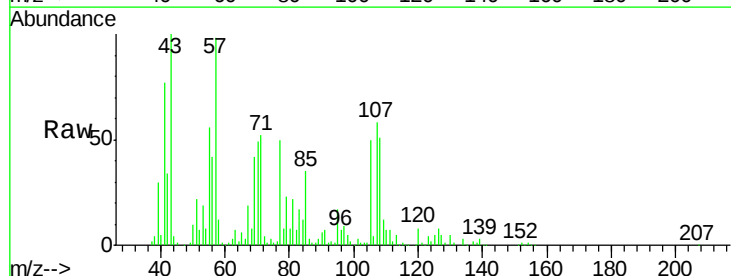
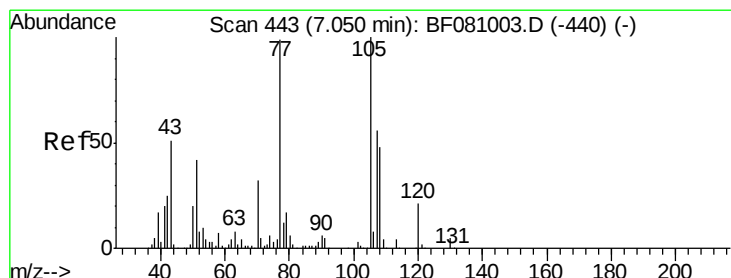
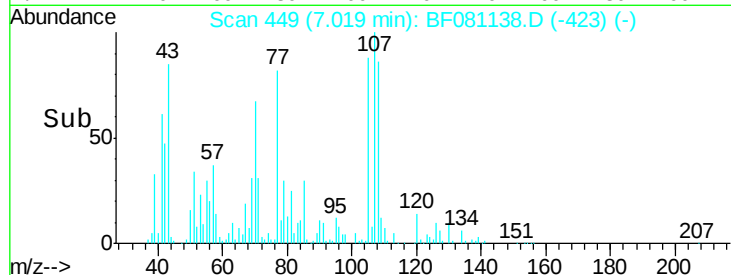
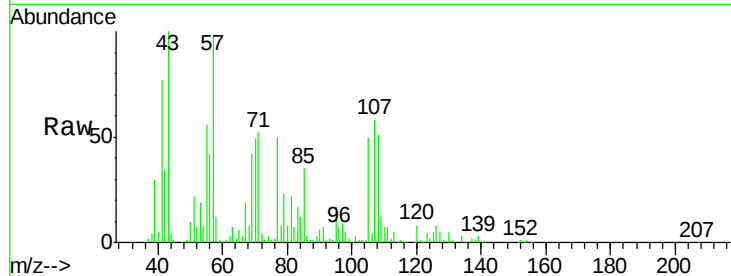
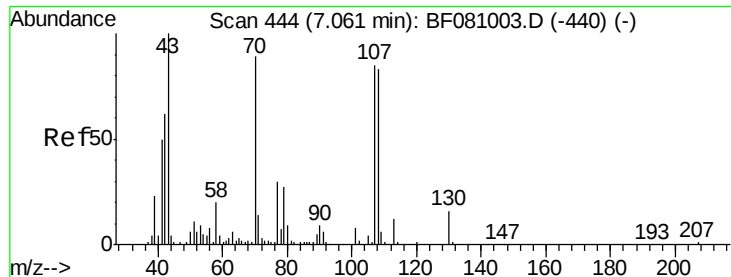
MMDadoda
8/21/2015 2:03:44 PM



#18
Hexachloroethane
Concen: 380.23 ng m
RT: 7.18 min Scan# 463
Delta R.T. 0.08 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	730416		
119	30.0	77.9	116.9#	
201	0.0	61.3	91.9#	





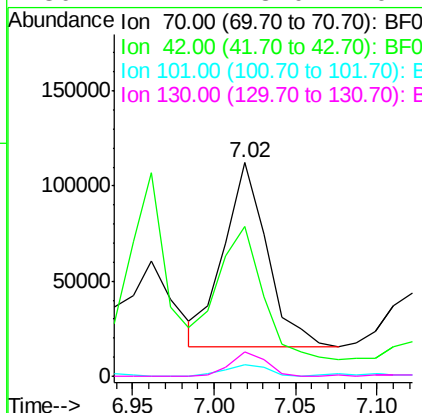
#19
n-Nitroso-di-n-propylamine
Concen: 48.25 ng
RT: 7.02 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	70.4	65.0	97.4		
101	5.5	7.4	11.2#		
130	11.1	13.0	19.4#		

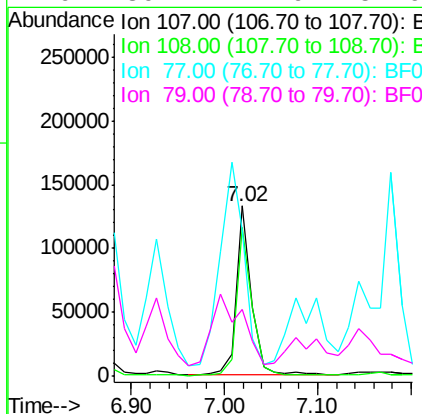
Manual Integrations
APPROVED

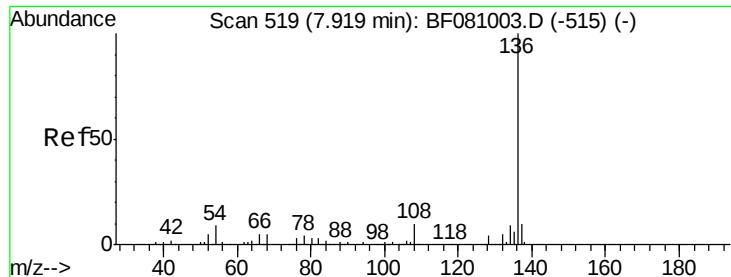
MMDadoda
8/21/2015 2:03:44 PM



#20
3+4-Methylphenols
Concen: 31.19 ng
RT: 7.02 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	87.6	66.1	106.1		
77	85.7	139.3	179.3#		
79	39.4	11.9	51.9		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.89 min Scan# 525

Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

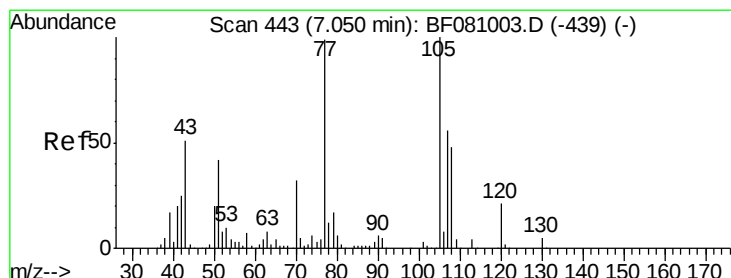
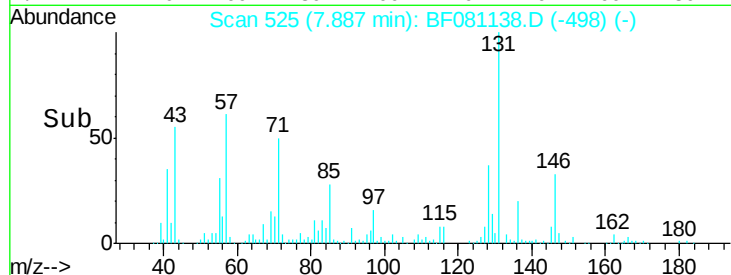
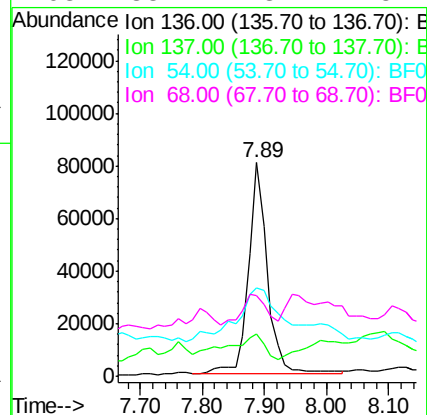
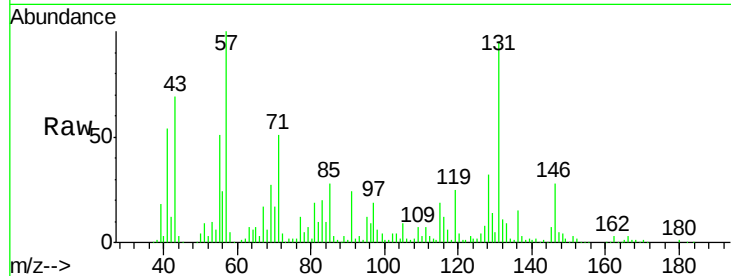
ClientSampleId :

A-PIPE(4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	19.7	8.2	12.2#		
54	41.6	7.7	11.5#		
68	38.1	3.4	5.2#		

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#22

Acetophenone

Concen: 185.29 ng

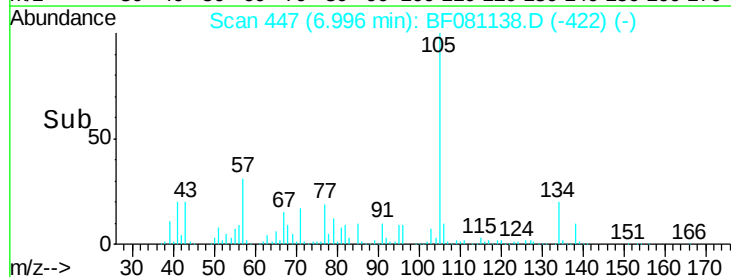
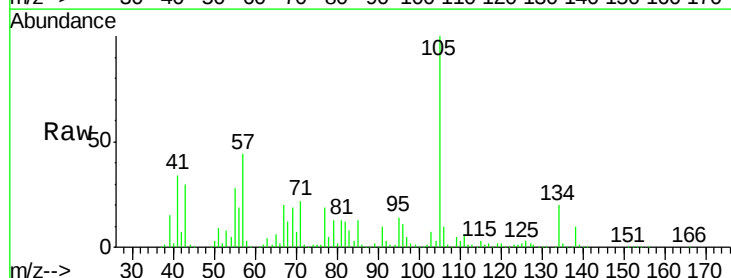
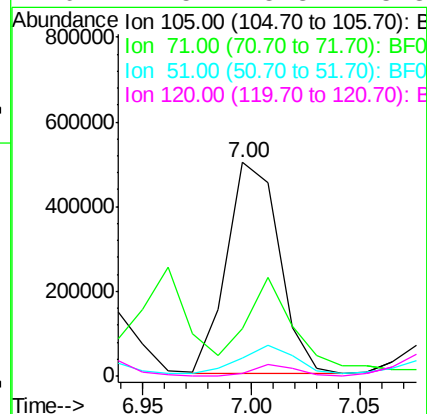
RT: 7.00 min Scan# 447

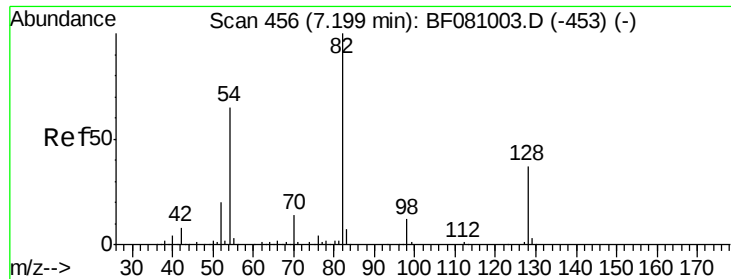
Delta R.T. -0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	22.0	3.0	4.6#		
51	8.5	39.8	59.8#		
120	1.5	15.8	23.8#		





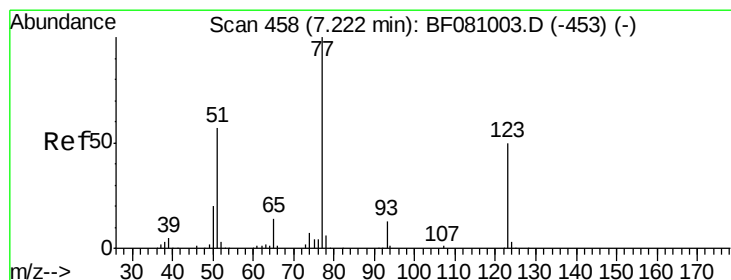
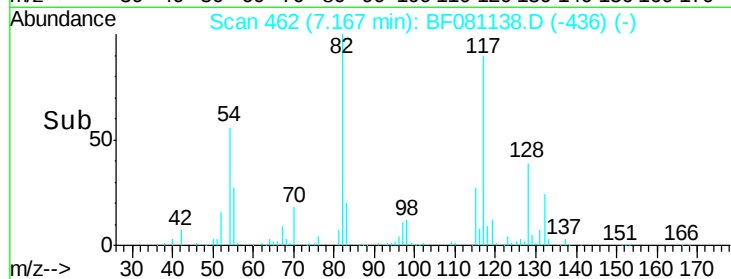
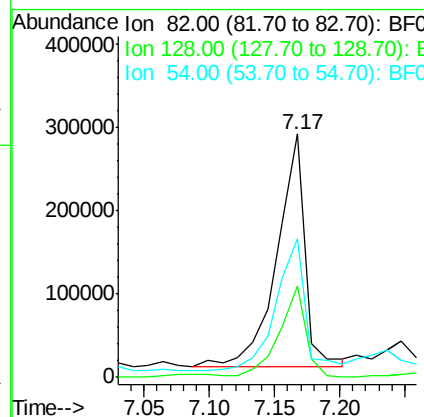
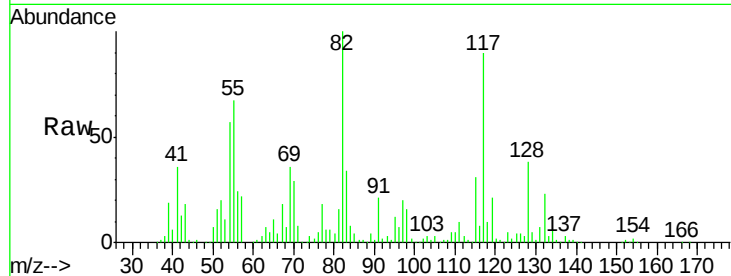
#23
Nitrobenzene-d5
Concen: 112.80 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.7	28.6	42.8	
54	57.0	55.1	82.7	

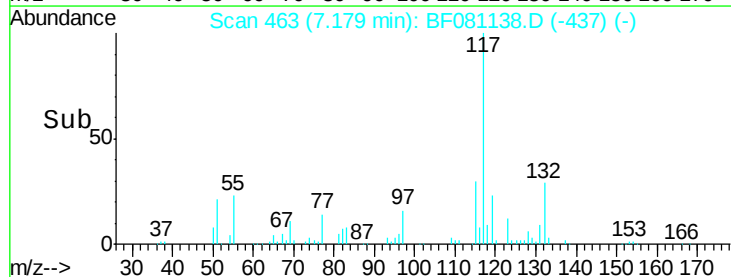
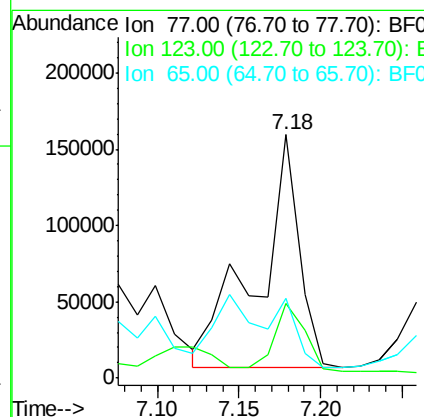
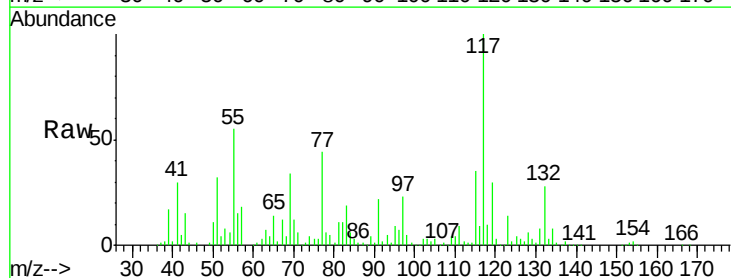
Manual Integrations
APPROVED

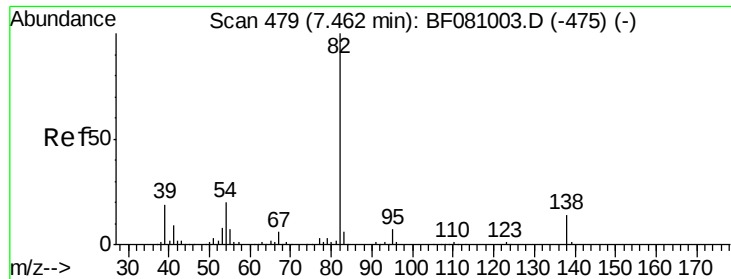
MMDadoda
8/21/2015 2:03:44 PM



#24
Nitrobenzene
Concen: 68.86 ng
RT: 7.18 min Scan# 463
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	30.8	32.9	49.3#	
65	32.9	12.5	18.7#	





#25

Isophorone

Concen: 51.10 ng

RT: 7.43 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

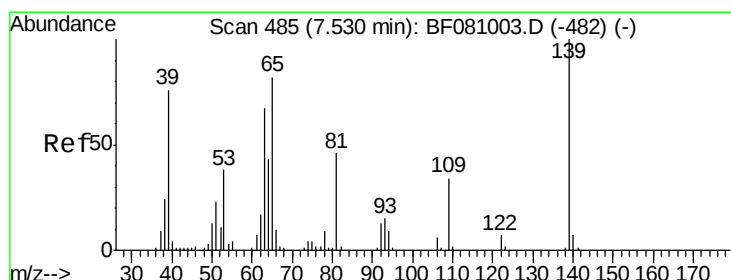
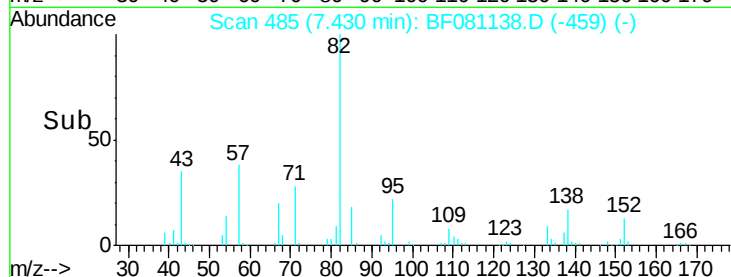
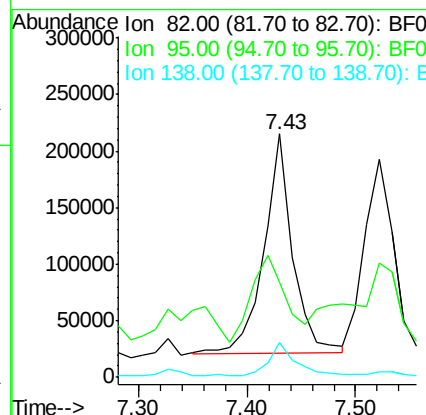
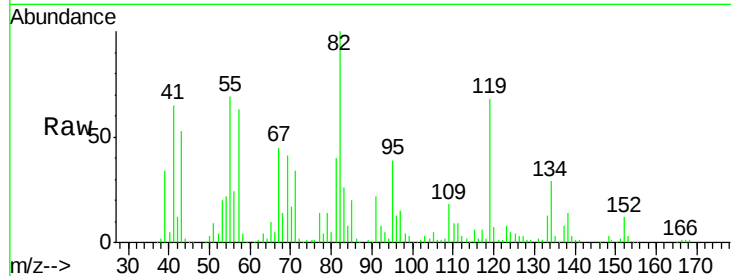
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	82	Resp:	358734
Ion Ratio		Lower	Upper
82	100		
95	39.0	6.2	9.2#
138	14.3	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#26

2-Nitrophenol

Concen: 42.66 ng

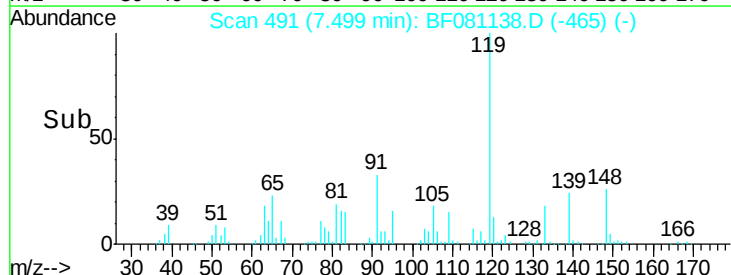
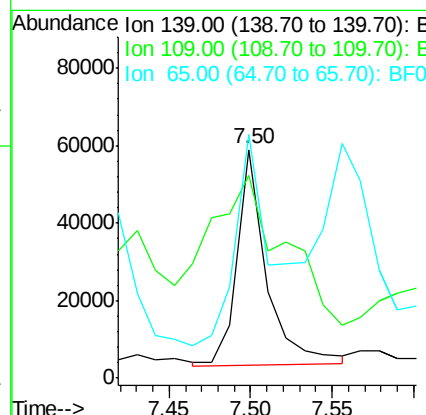
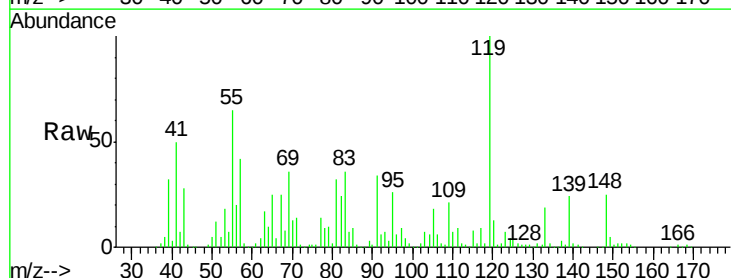
RT: 7.50 min Scan# 491

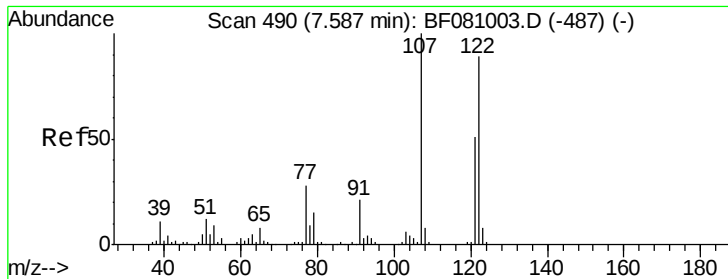
Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	139	Resp:	69837
Ion Ratio		Lower	Upper
139	100		
109	88.9	32.1	48.1#
65	106.5	69.9	104.9#





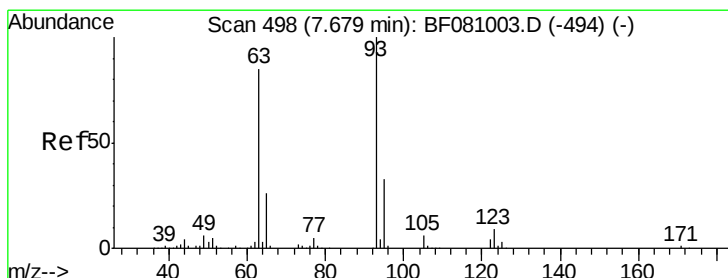
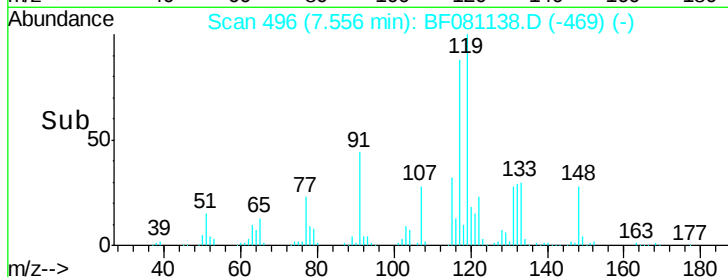
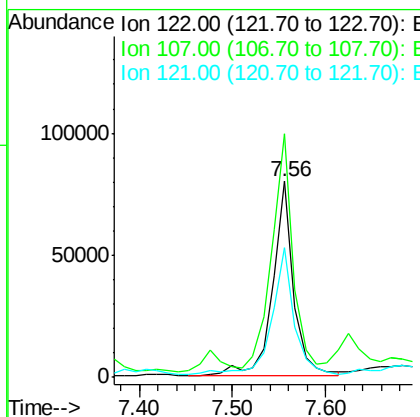
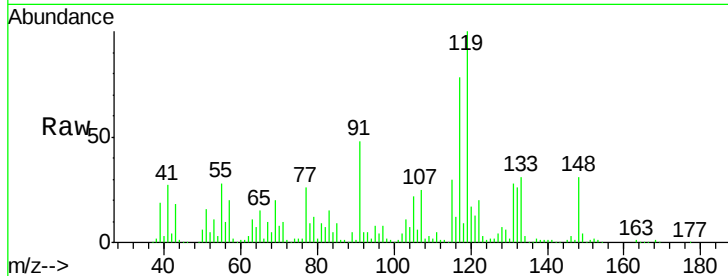
#27
 2,4-Dimethylphenol
 Concen: 43.73 ng
 RT: 7.56 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: BF081138.D
 Acq: 20 Aug 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	124.3	103.8	155.6		
121	66.4	47.0	70.4		

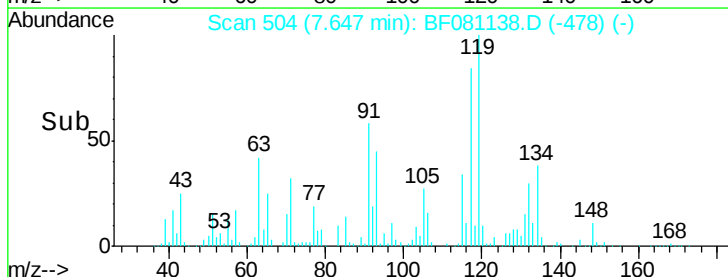
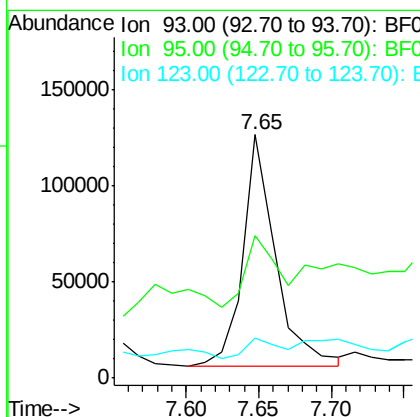
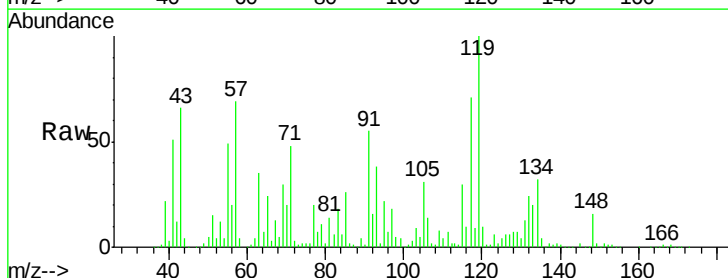
Manual Integrations
 APPROVED

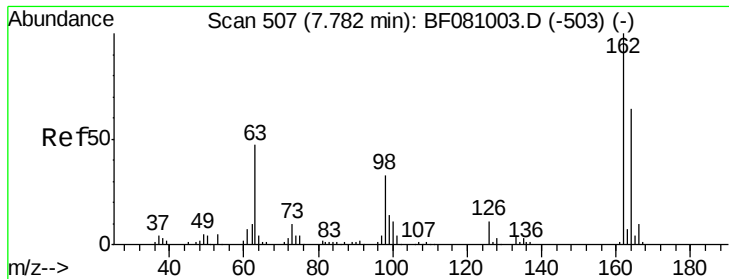
MMDadoda
 8/21/2015 2:03:44 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.38 ng
 RT: 7.65 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BF081138.D
 Acq: 20 Aug 2015 22:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	58.6	25.8	38.8#		
123	16.2	7.4	11.0#		





#29

2,4-Dichlorophenol

Concen: 45.42 ng

RT: 7.75 min Scan# 513

Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

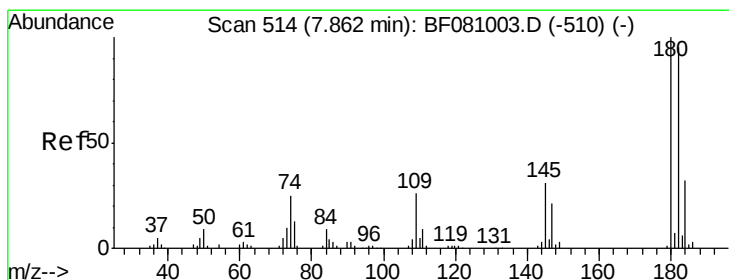
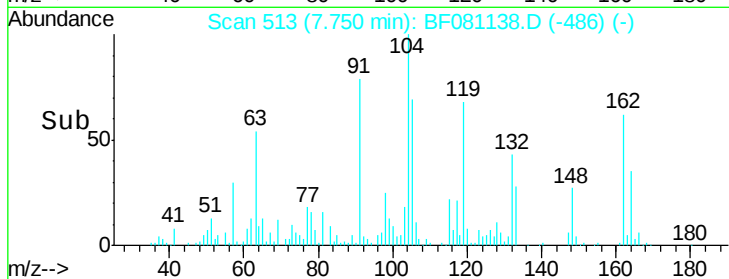
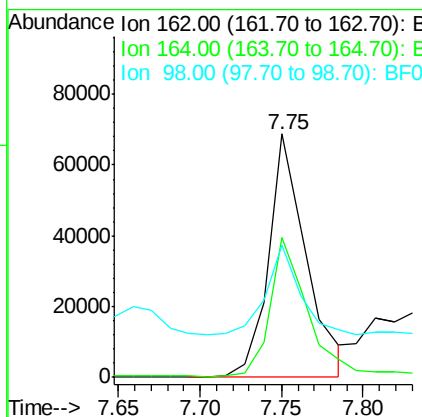
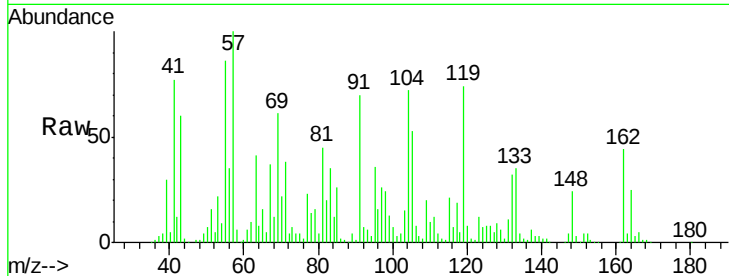
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	162	Resp:	110753
Ion Ratio	Lower	Upper	
162	100		
164	57.6	43.2	83.2
98	54.2	12.3	52.3#

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#30

1,2,4-Trichlorobenzene

Concen: 39.59 ng

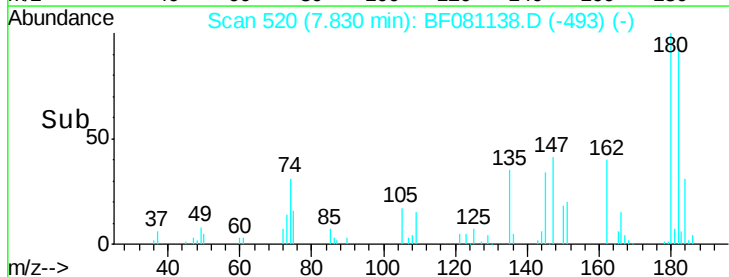
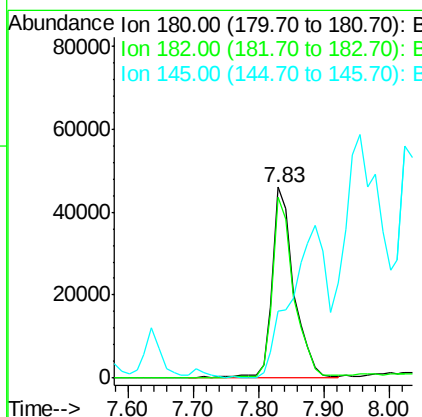
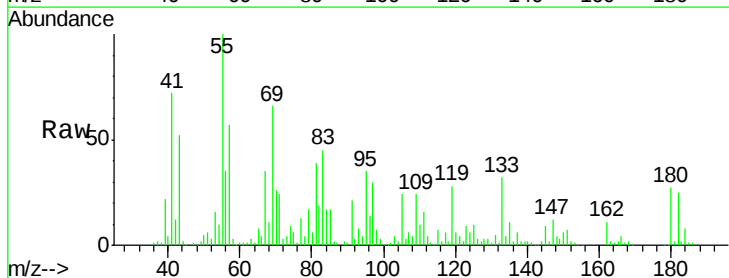
RT: 7.83 min Scan# 520

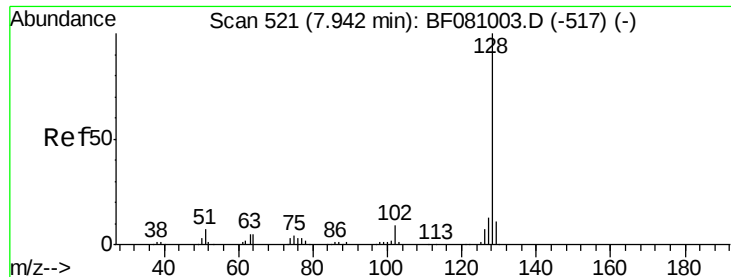
Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	180	Resp:	107286
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.4	114.6
145	35.3	25.4	38.2





#31

Naphthalene

Concen: 175.51 ng

RT: 7.91 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MS

Tot Ion:128 Resp: 1682488

Ion Ratio Lower Upper

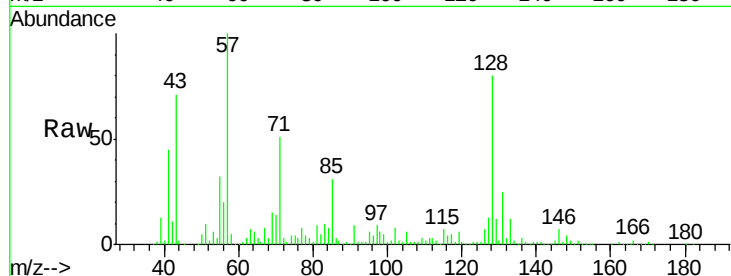
128 100

129 14.9 8.4 12.6#

127 15.9 10.6 16.0

Manual Integrations
APPROVED

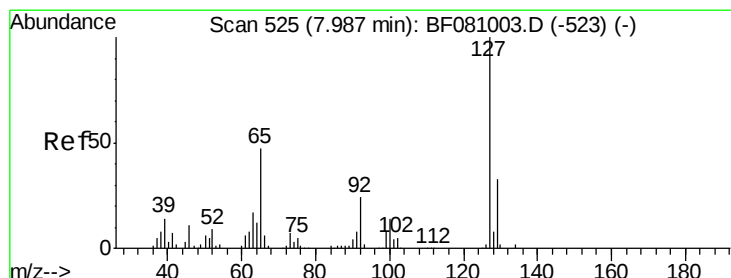
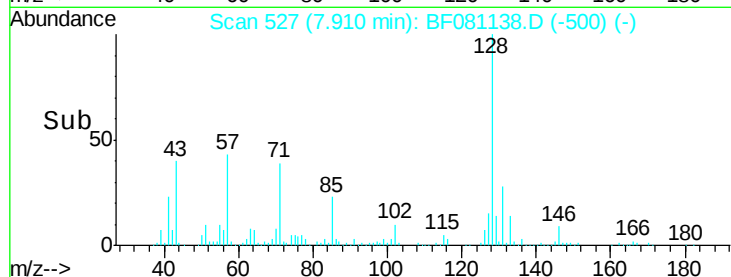
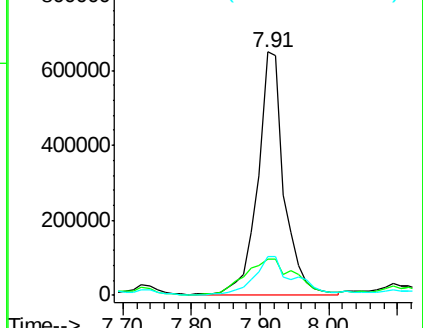
MMDadoda
8/21/2015 2:03:44 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 98.80 ng

RT: 7.91 min Scan# 527

Delta R.T. -0.05 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:127 Resp: 399619

Ion Ratio Lower Upper

127 100

129 93.6 25.2 37.8#

65 24.5 37.8 56.6#

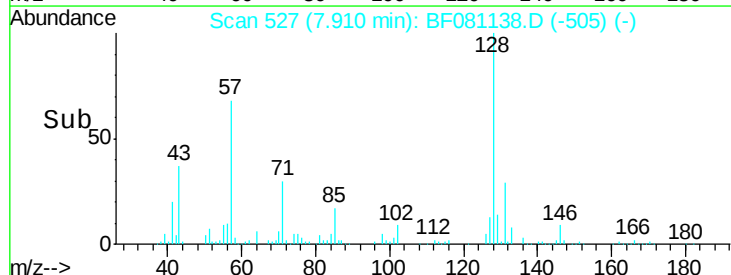
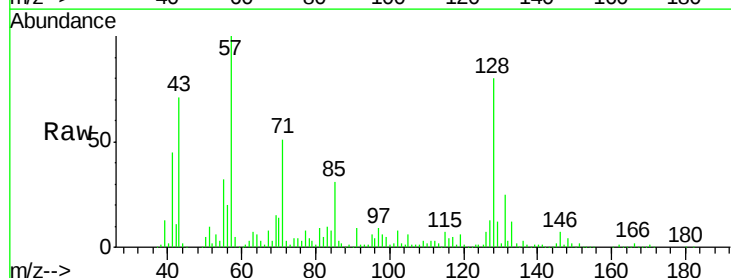
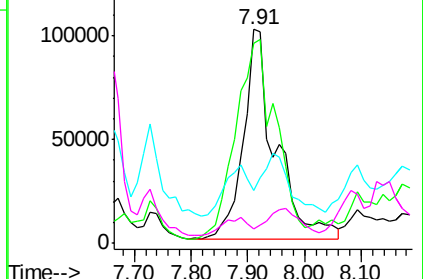
92 6.5 19.5 29.3#

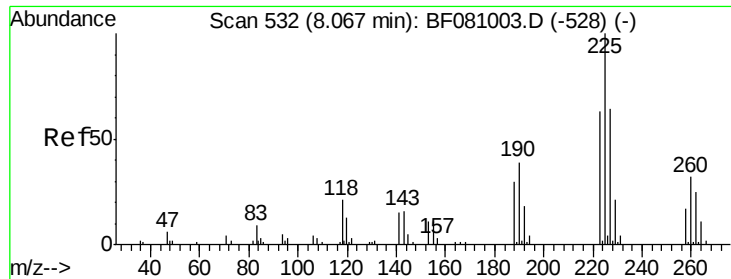
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





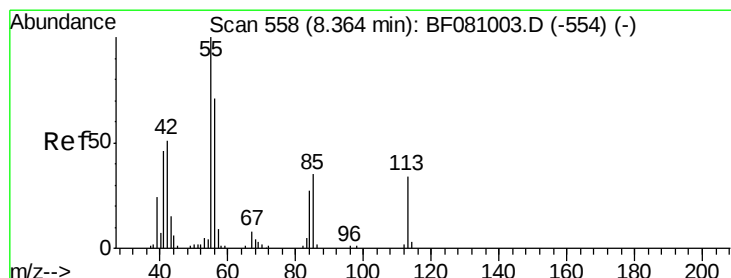
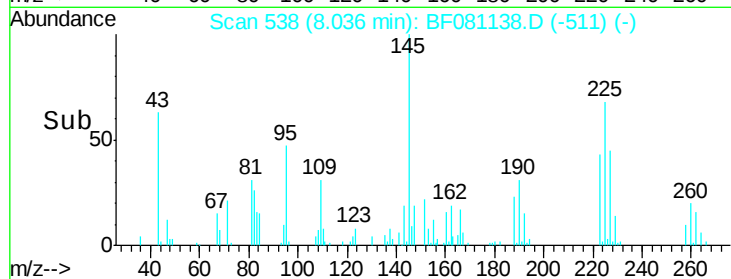
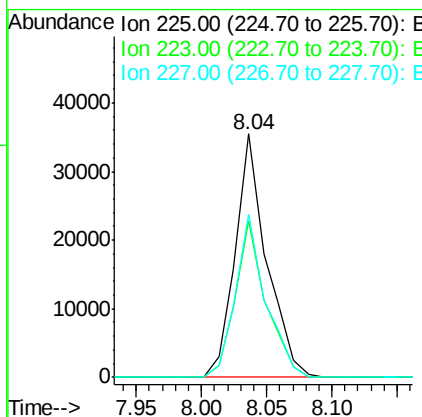
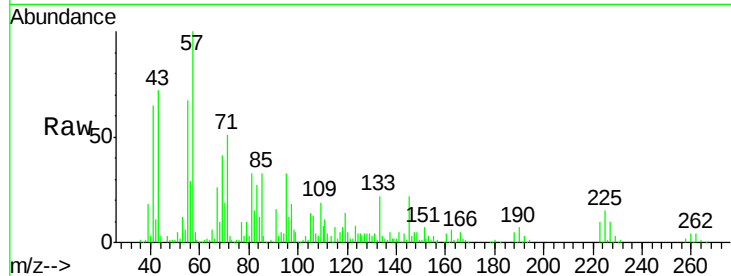
#34
Hexachlorobutadiene
Concen: 38.50 ng
RT: 8.04 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion:	225	Resp:	58999
Ion Ratio	Lower	Upper	
225	100		
223	64.1	52.6	79.0
227	66.7	51.1	76.7

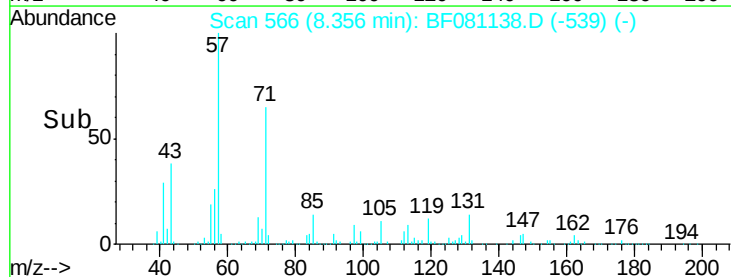
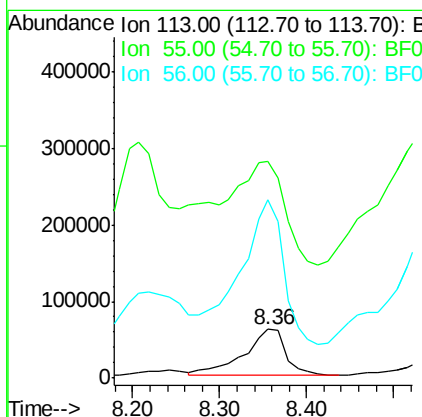
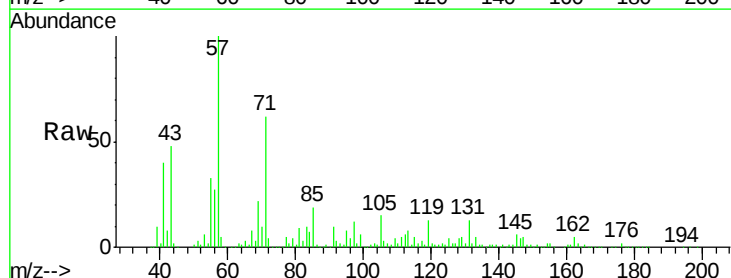
Manual Integrations
APPROVED

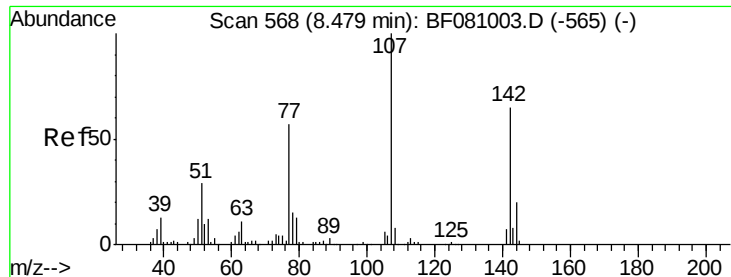
MMDadoda
8/21/2015 2:03:44 PM



#35
Caprolactam
Concen: 232.26 ng
RT: 8.36 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion:	113	Resp:	197918
Ion Ratio	Lower	Upper	
113	100		
55	443.4	280.4	320.4#
56	364.3	205.9	245.9#





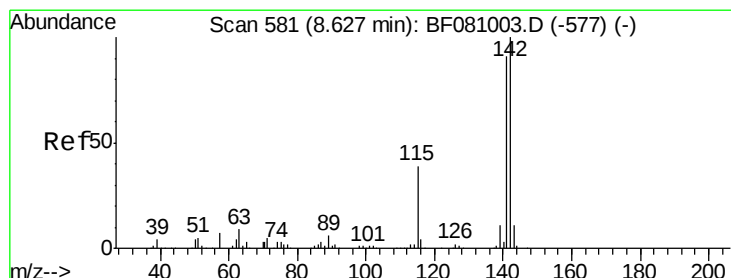
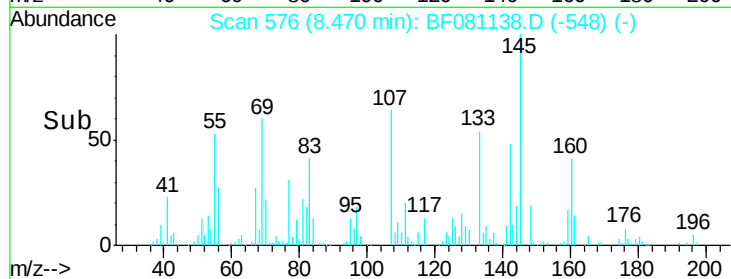
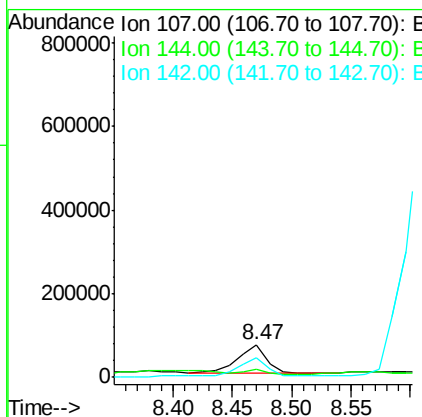
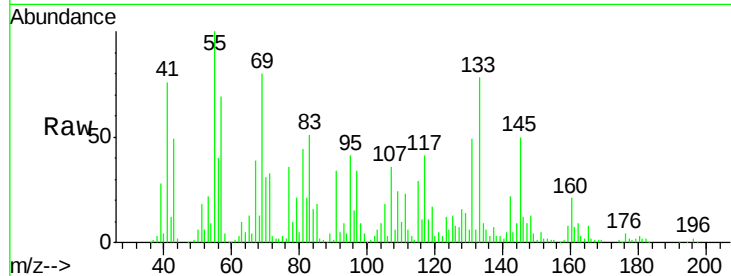
#36
4-Chloro-3-methylphenol
Concen: 40.57 ng
RT: 8.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	117896		
144	24.3	17.2	25.8	
142	61.9	54.9	82.3	

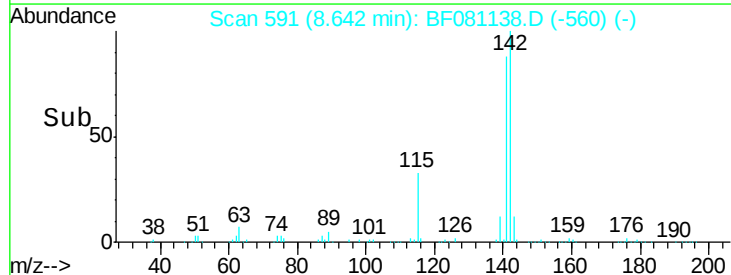
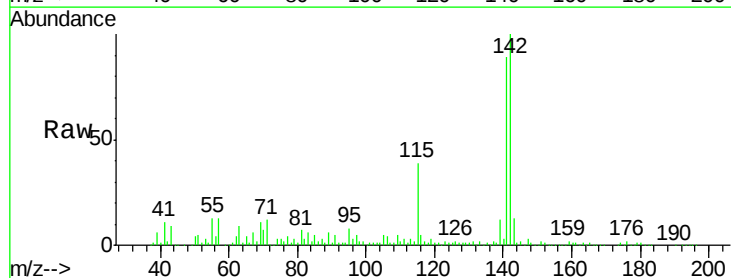
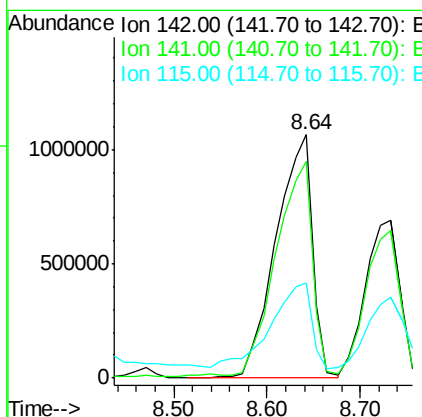
Manual Integrations
APPROVED

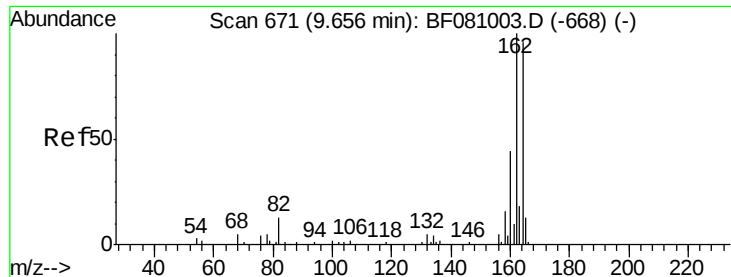
MMDadoda
8/21/2015 2:03:44 PM



#37
2-Methylnaphthalene
Concen: 477.50 ng
RT: 8.64 min Scan# 591
Delta R.T. 0.06 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	2891530		
141	88.9	71.4	107.2	
115	39.2	33.4	50.0	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 680

Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

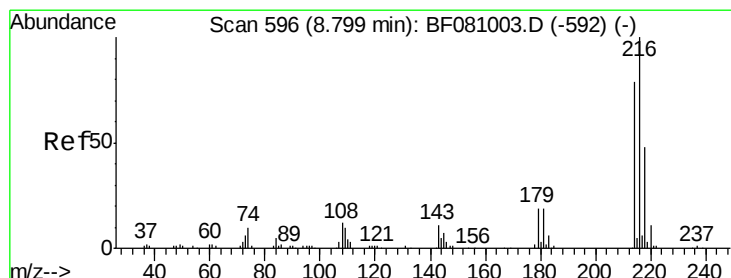
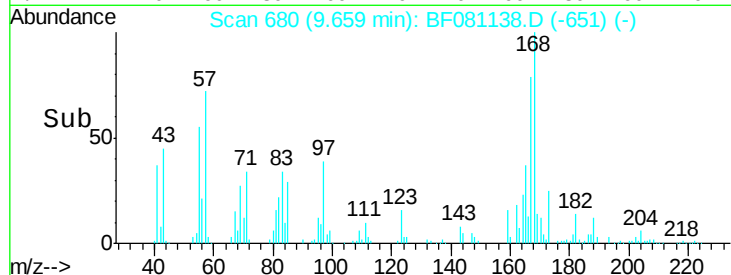
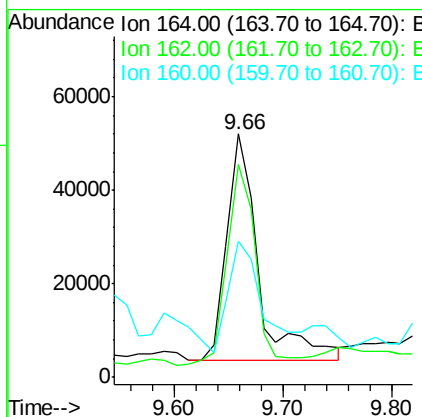
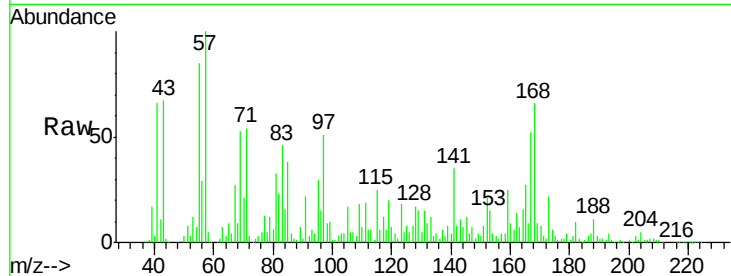
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	164	Resp:	96021
Ion Ratio	Lower	Upper	
164	100		
162	87.7	83.8	125.8
160	56.0	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#39

1,2,4,5-Tetrachlorobenzene

Concen: 25.96 ng

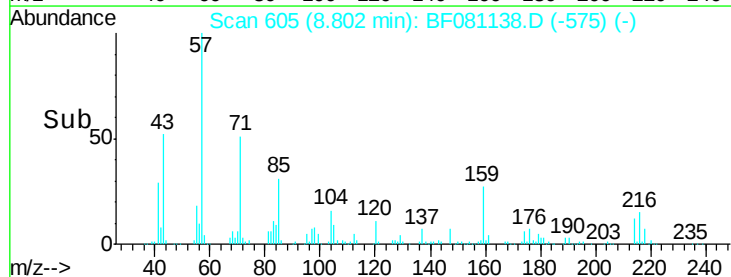
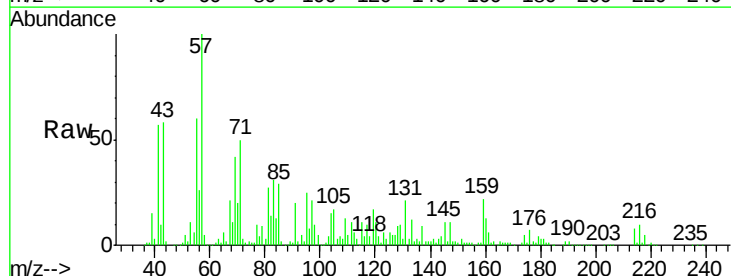
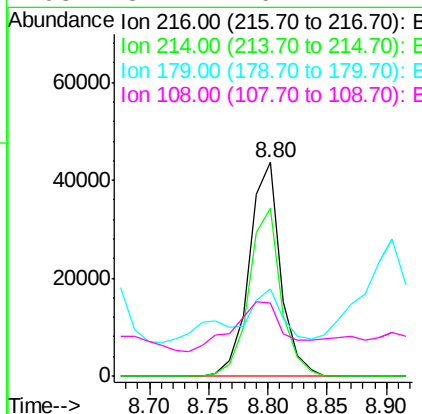
RT: 8.80 min Scan# 605

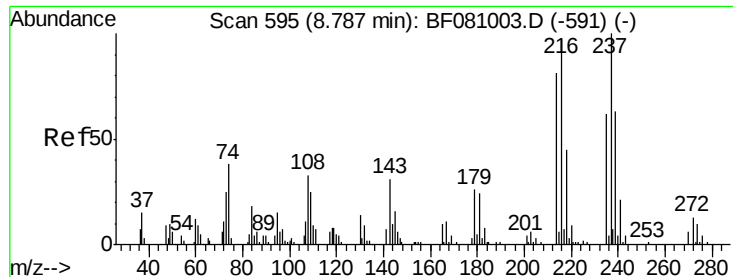
Delta R.T. 0.05 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	216	Resp:	80432
Ion Ratio	Lower	Upper	
216	100		
214	79.9	63.8	95.8
179	44.5	17.8	26.8#
108	37.4	16.2	24.2#





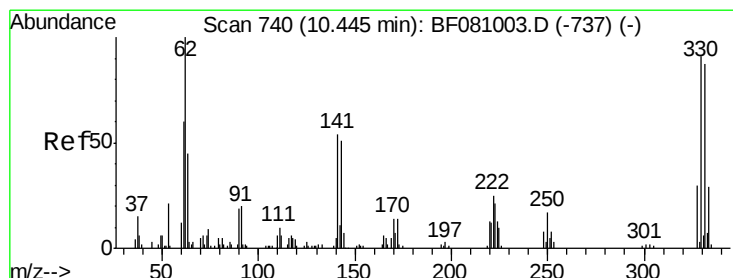
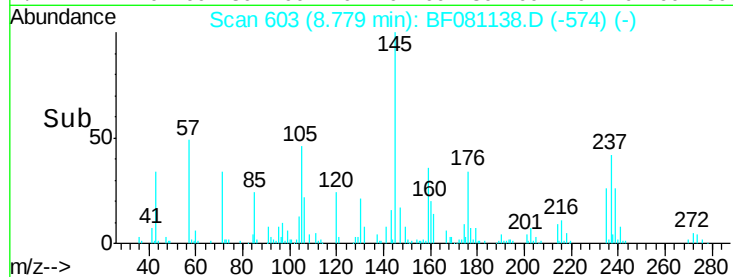
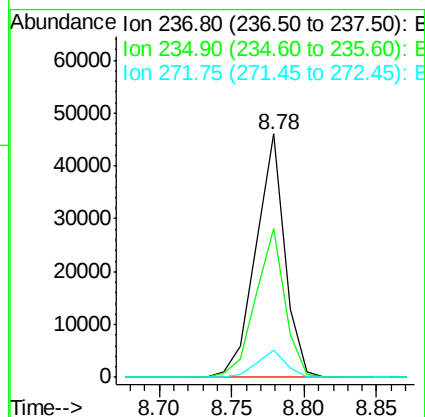
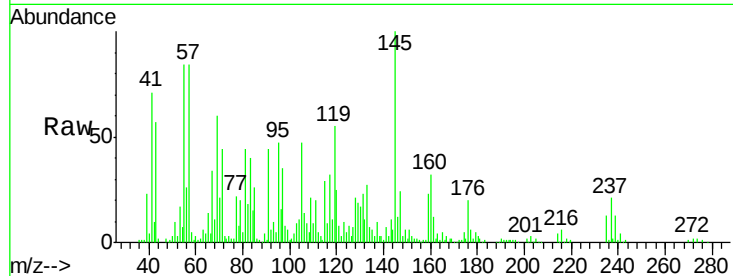
#40
Hexachlorocyclopentadiene
Concen: 39.77 ng
RT: 8.78 min Scan# 603
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion:	237	Resp:	63765
Ion Ratio	Lower	Upper	
237	100		
235	61.3	43.6	83.6
272	11.3	0.0	32.2

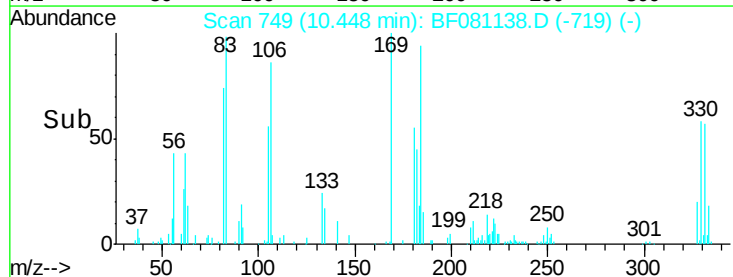
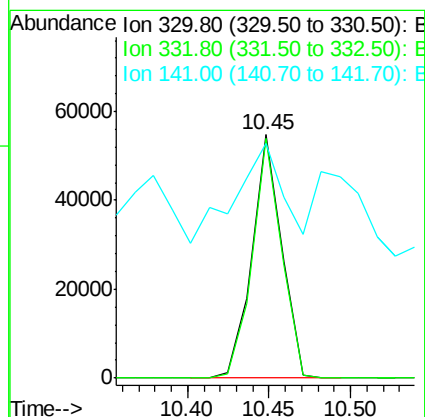
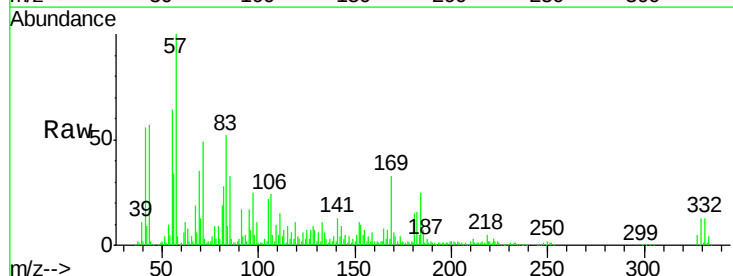
Manual Integrations
APPROVED

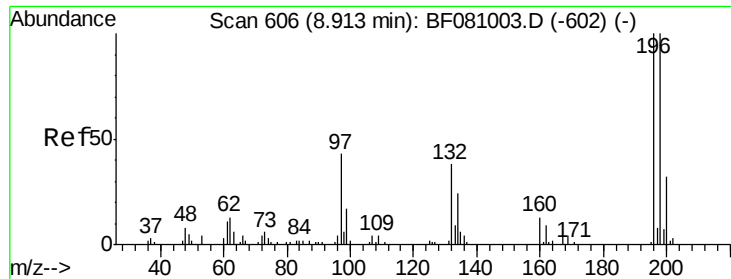
MMDadoda
8/21/2015 2:03:44 PM



#41
2,4,6-Tribromophenol
Concen: 83.32 ng
RT: 10.45 min Scan# 749
Delta R.T. 0.05 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion:	330	Resp:	69352
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.3	115.9
141	64.5	44.9	67.3





#42

2,4,6-Trichlorophenol

Concen: 25.58 ng/mL

RT: 8.90 min Scan# 614

Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

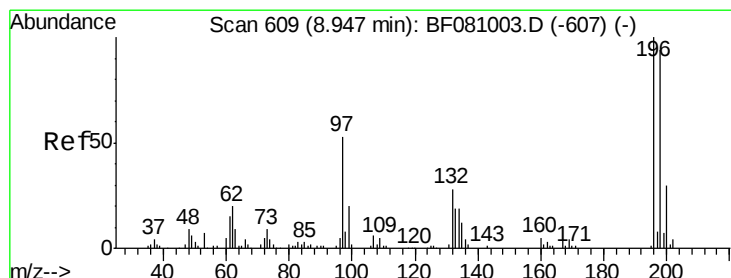
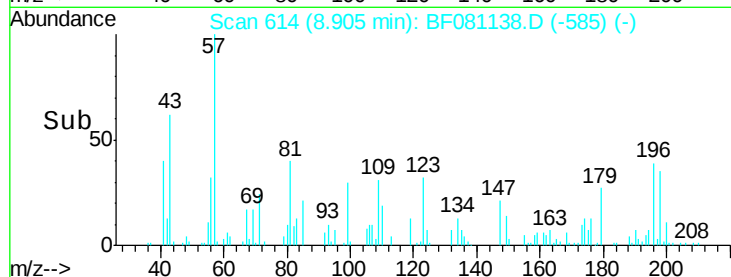
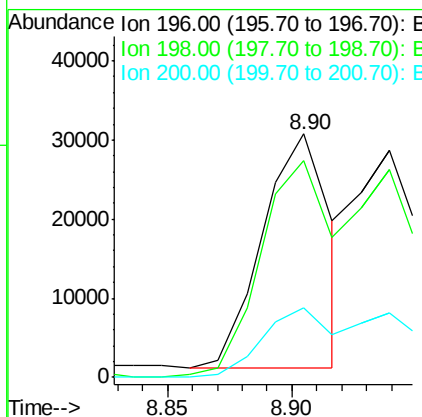
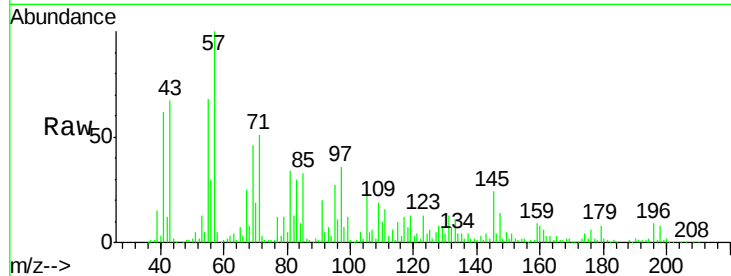
ClientSampleID :

A-PIPE(4)MS

Tot Ion:	196	Resp:	55977
Ion Ratio	Lower	Upper	
196	100		
198	89.2	74.6	111.8
200	28.5	22.7	34.1

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#43

2,4,5-Trichlorophenol

Concen: 23.17 ng/mL

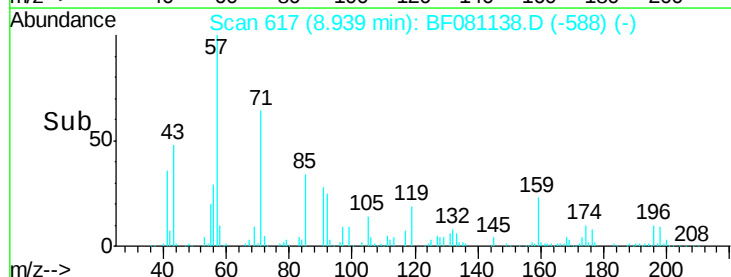
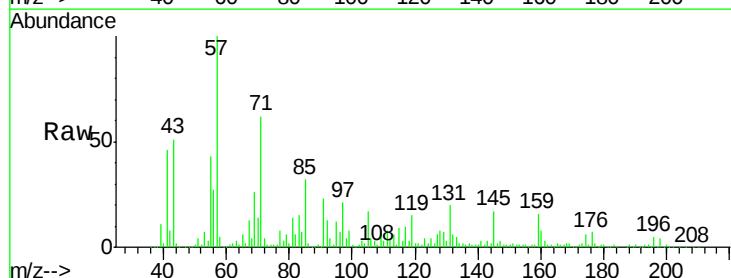
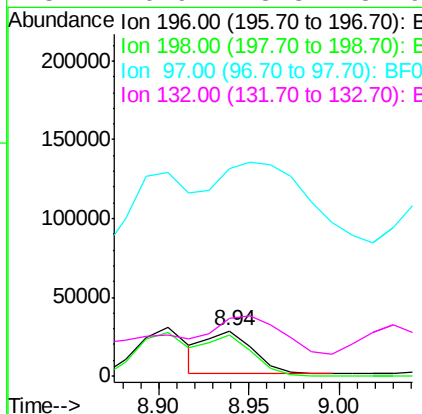
RT: 8.94 min Scan# 617

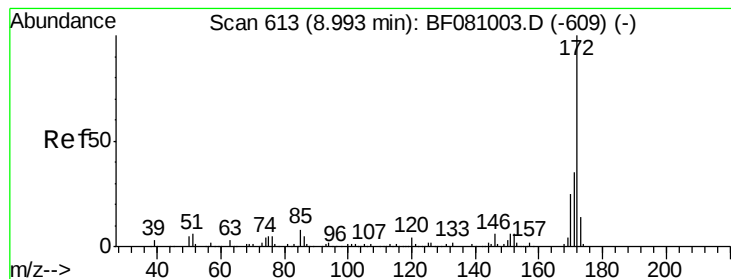
Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	196	Resp:	50680
Ion Ratio	Lower	Upper	
196	100		
198	92.0	78.3	117.5
97	458.8	42.7	64.1#
132	126.9	23.3	34.9#





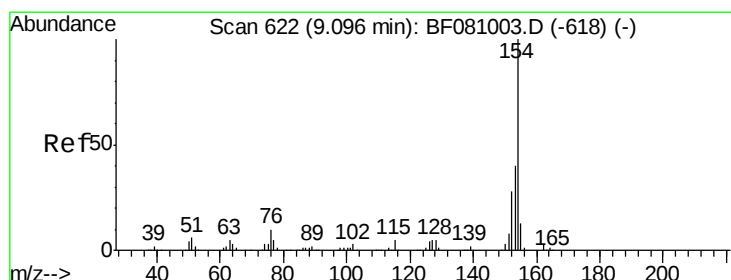
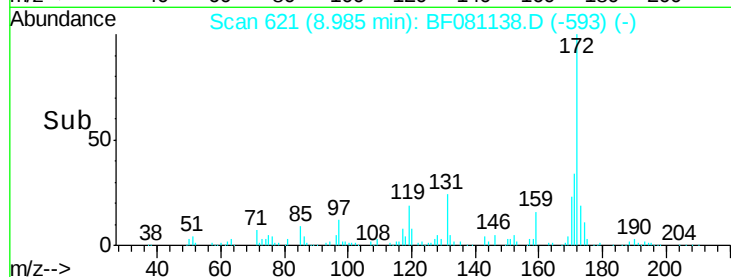
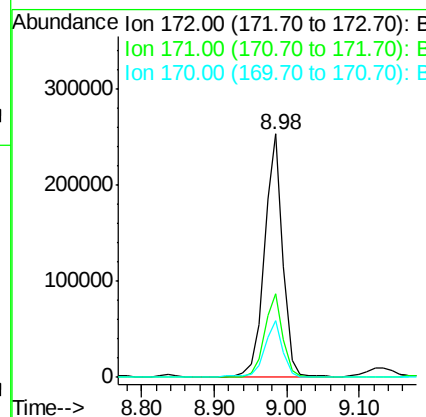
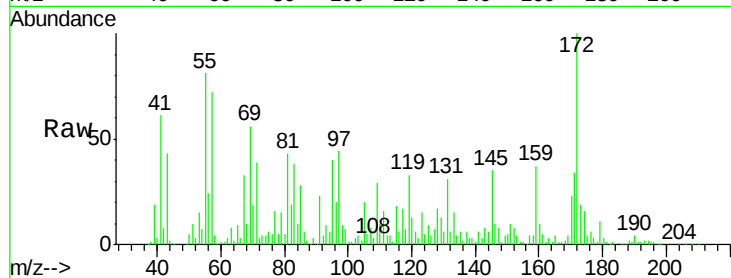
#44
2-Fluorobiphenyl
Concen: 61.74 ng
RT: 8.98 min Scan# 621
Delta R.T. 0.02 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
172	100	452423		
171	34.5	28.9	43.3	
170	23.3	19.4	29.2	

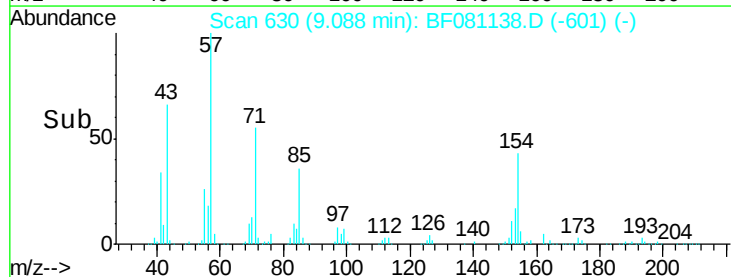
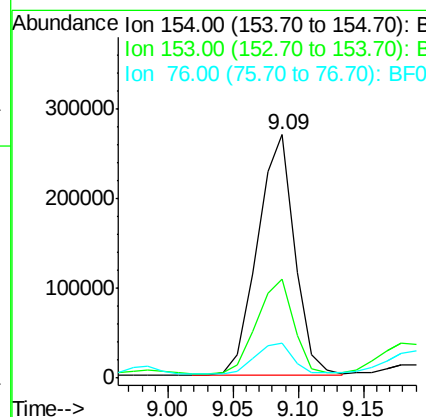
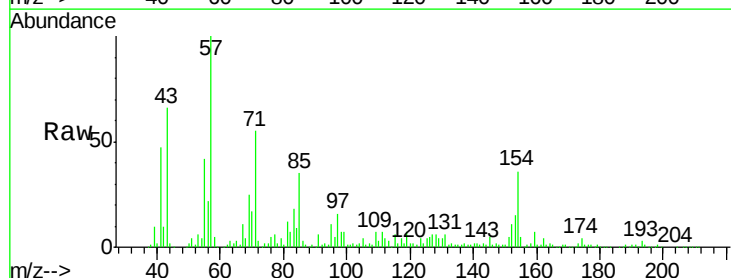
Manual Integrations
APPROVED

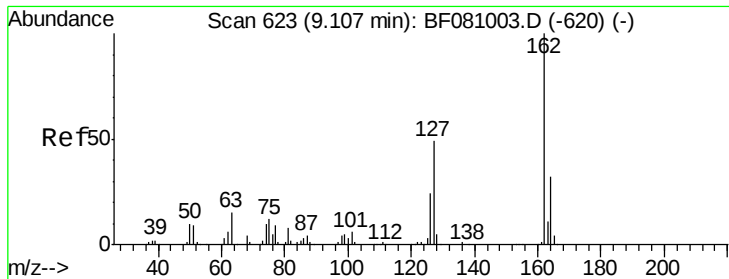
MMDadoda
8/21/2015 2:03:44 PM



#45
1,1'-Biphenyl
Concen: 63.32 ng
RT: 9.09 min Scan# 630
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	535593		
153	40.5	19.5	59.5	
76	14.4	0.0	29.3	





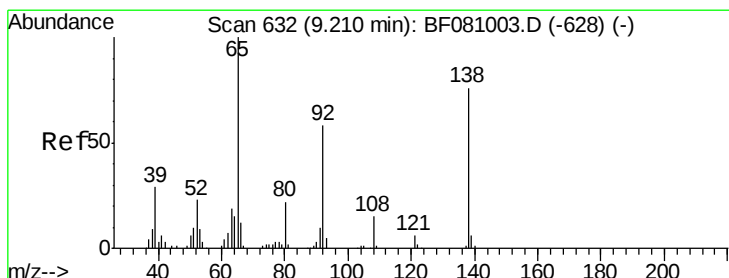
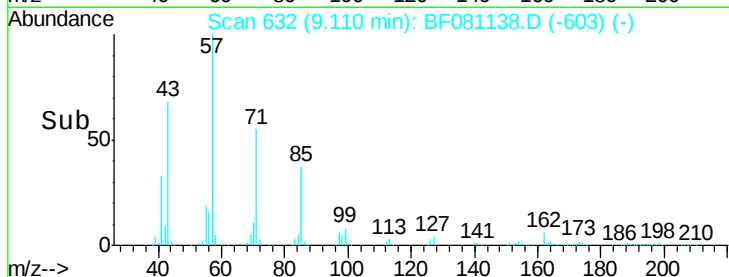
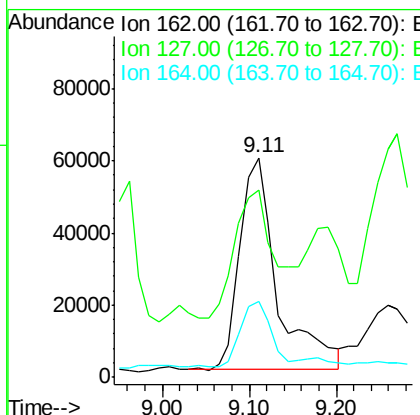
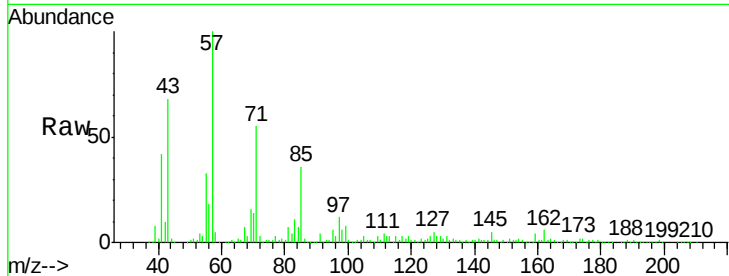
#46
2-Chloronaphthalene
Concen: 25.79 ng
RT: 9.11 min Scan# 632
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	85.4	31.3	46.9#
164	34.9	26.3	39.5

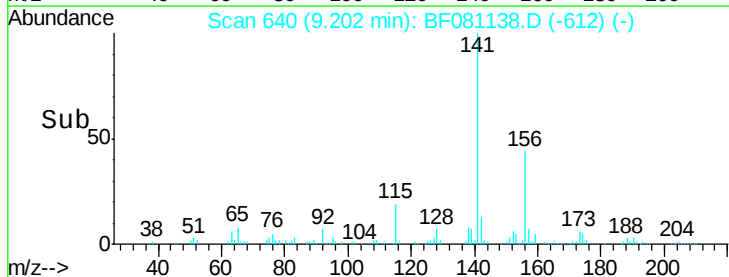
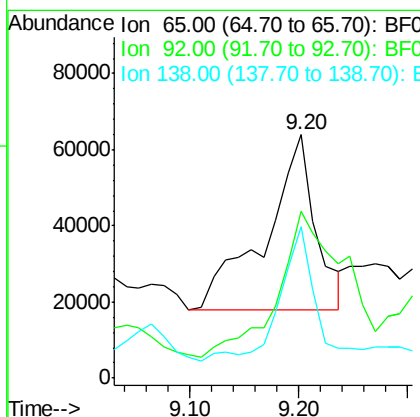
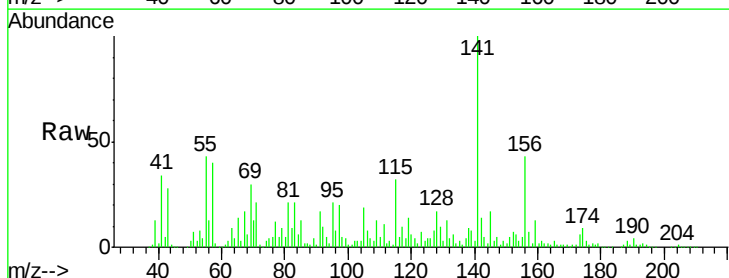
Manual Integrations
APPROVED

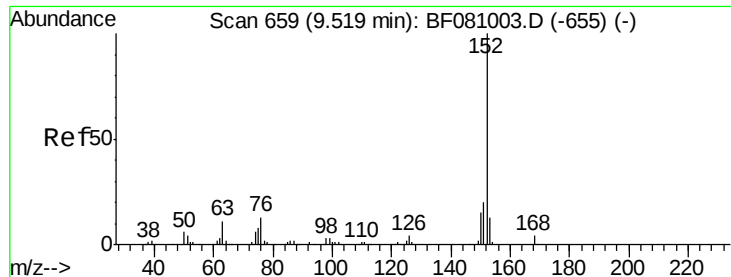
MMDadoda
8/21/2015 2:03:44 PM



#47
2-Nitroaniline
Concen: 53.26 ng
RT: 9.20 min Scan# 640
Delta R.T. 0.02 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.5	45.6	68.4#
138	62.3	57.9	86.9





#48

Acenaphthylene

Concen: 28.62 ng

RT: 9.53 min Scan# 669

Delta R.T. 0.05 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

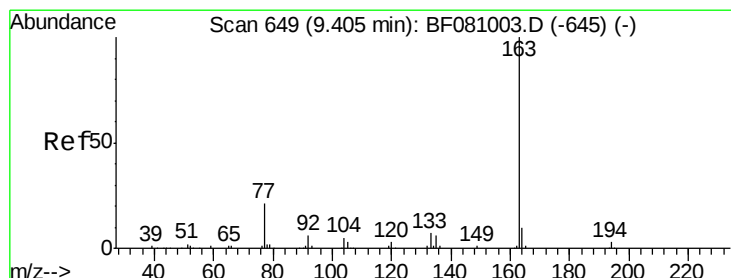
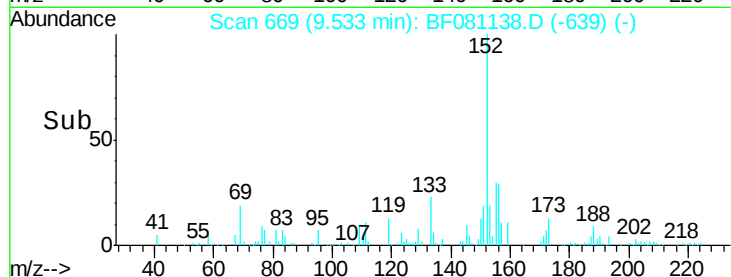
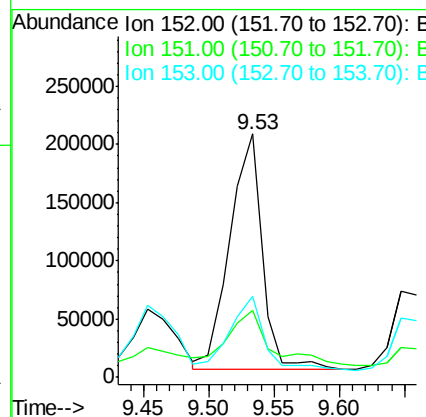
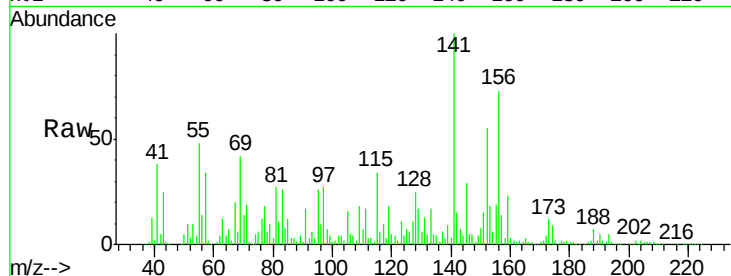
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	152	Resp:	347882
Ion Ratio	Lower	Upper	
152	100		
151	27.3	16.1	24.1#
153	33.2	9.8	14.6#

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#49

Dimethylphthalate

Concen: 28.26 ng

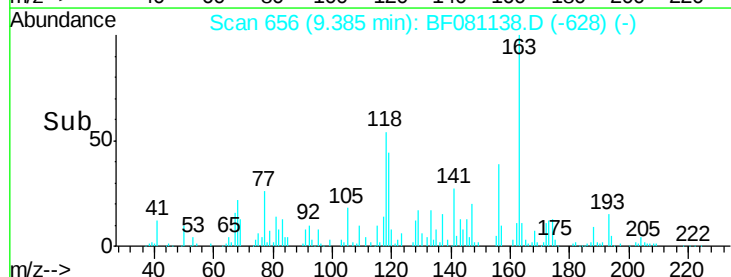
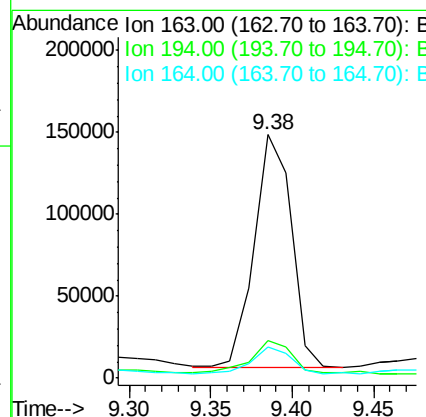
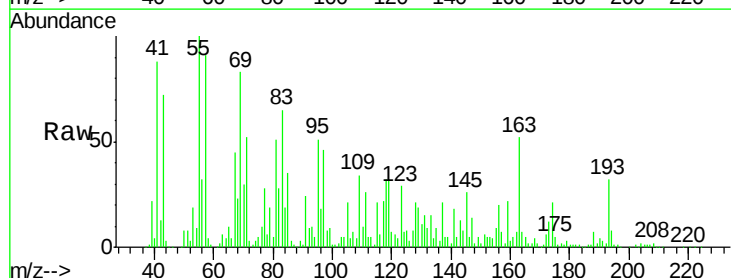
RT: 9.38 min Scan# 656

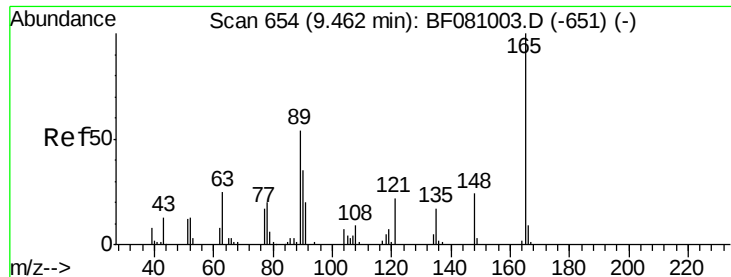
Delta R.T. 0.02 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	163	Resp:	223450
Ion Ratio	Lower	Upper	
163	100		
194	15.3	2.5	3.7#
164	13.0	8.1	12.1#





#50

2,6-Dinitrotoluene

Concen: 24.94 ng

RT: 9.45 min Scan# 662

Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

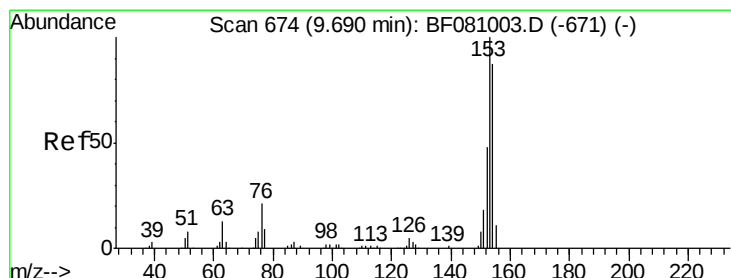
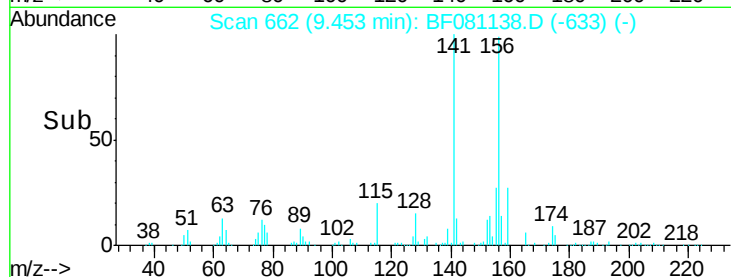
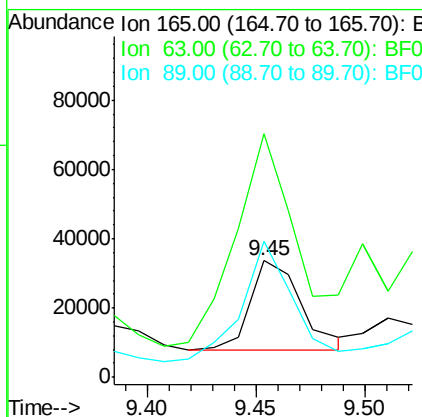
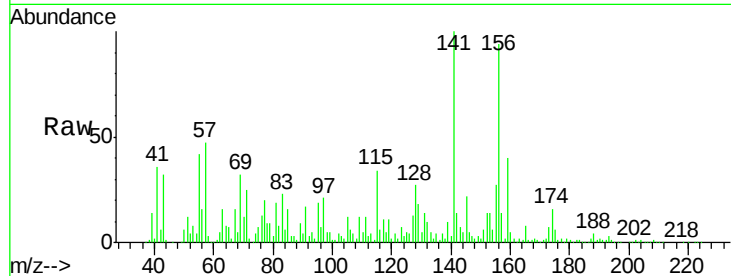
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	165	Resp:	42343
Ion Ratio	Lower	Upper	
165	100		
63	208.5	49.5	74.3#
89	116.8	47.6	71.4#

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#51

Acenaphthene

Concen: 43.40 ng

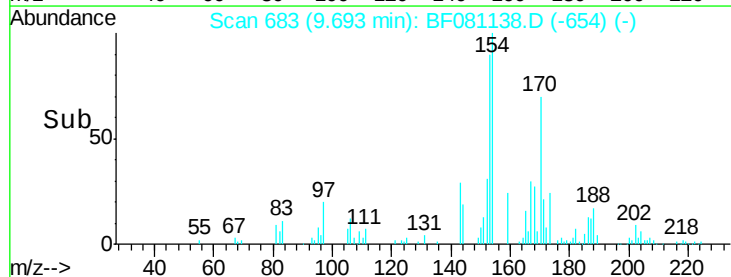
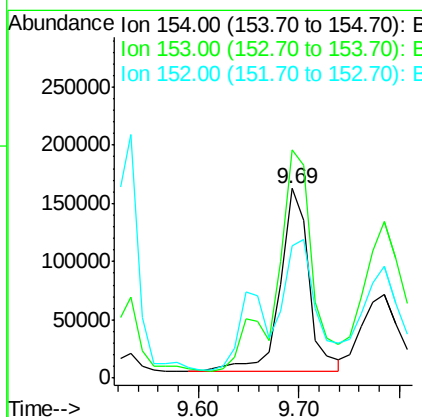
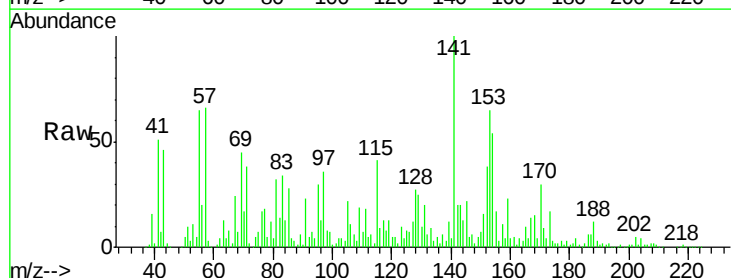
RT: 9.69 min Scan# 683

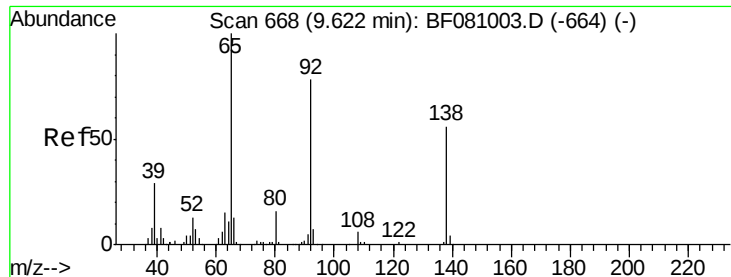
Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	154	Resp:	315810
Ion Ratio	Lower	Upper	
154	100		
153	120.3	91.4	137.2
152	69.9	43.7	65.5#





#52

3-Nitroaniline

Concen: 30.29 ng

RT: 9.60 min Scan# 675

Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

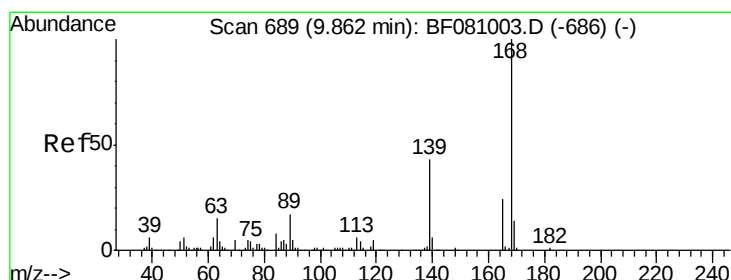
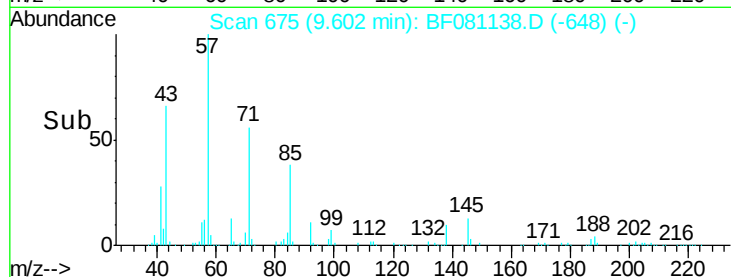
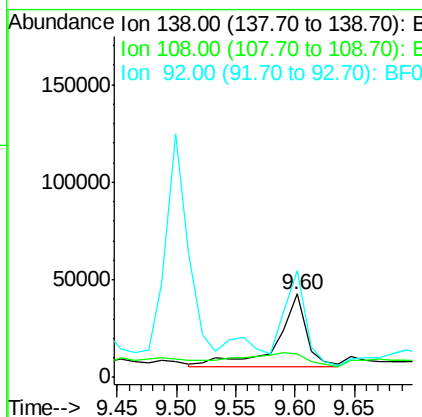
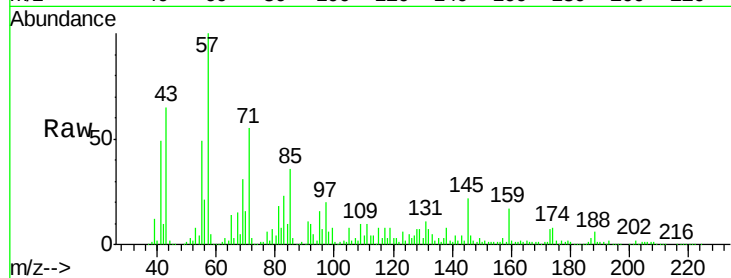
ClientSampleId :

A-PIPE(4)MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	28.7	9.4	14.2#
92	128.2	113.2	169.8

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#54

Dibenzofuran

Concen: 35.59 ng

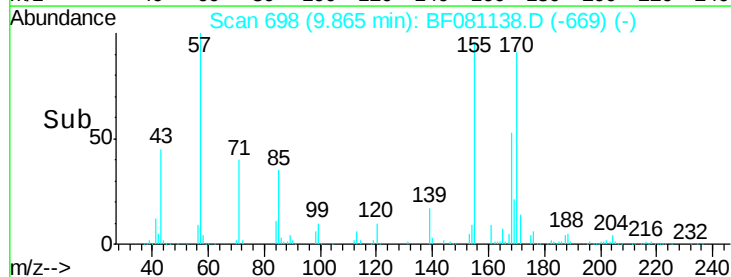
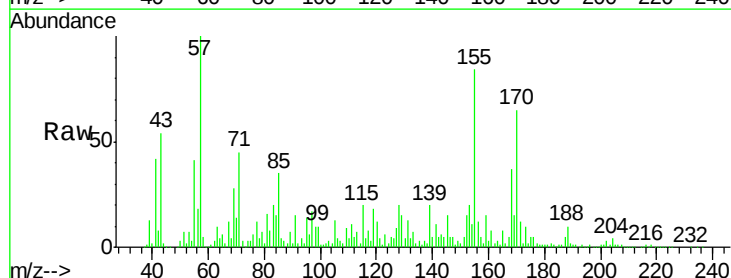
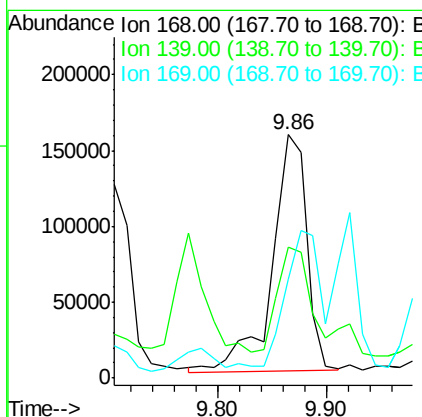
RT: 9.86 min Scan# 698

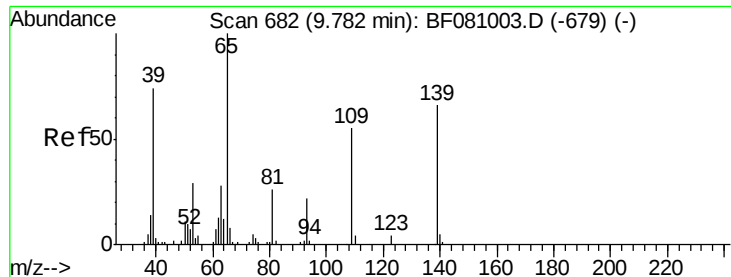
Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Lower	Upper
168	100		
139	54.1	29.3	43.9#
169	40.5	10.3	15.5#





#55

4-Nitrophenol

Concen: 113.80 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.02 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

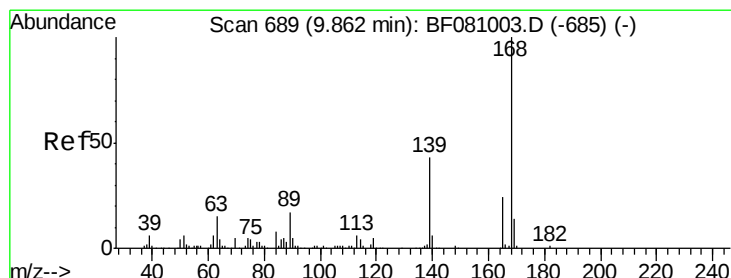
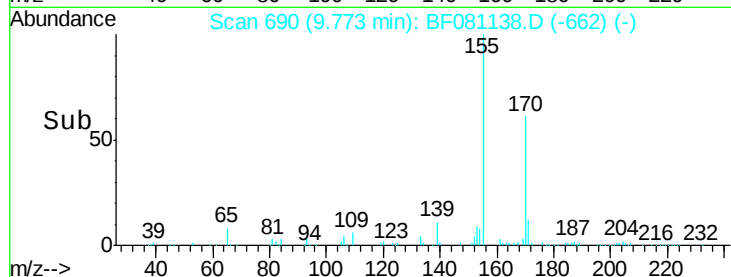
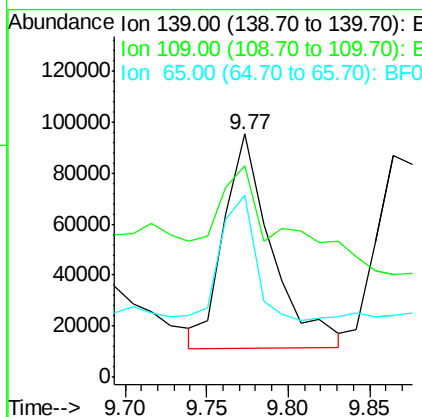
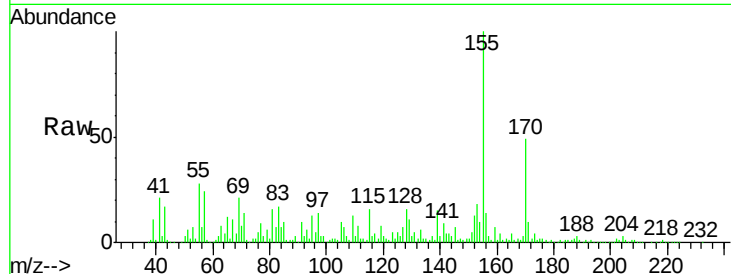
ClientSampleId :

A-PIPE(4)MS

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	86.7	80.0	120.0	
65	74.6	138.3	178.3	



#56

2,4-Dinitrotoluene

Concen: 29.62 ng

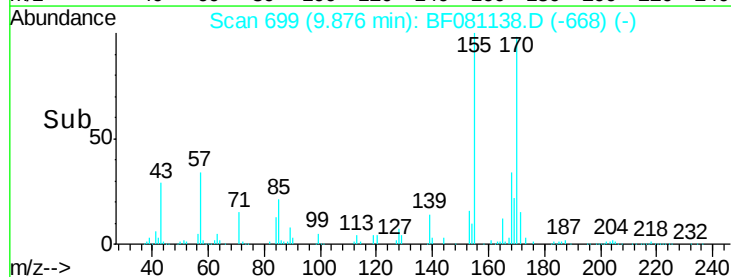
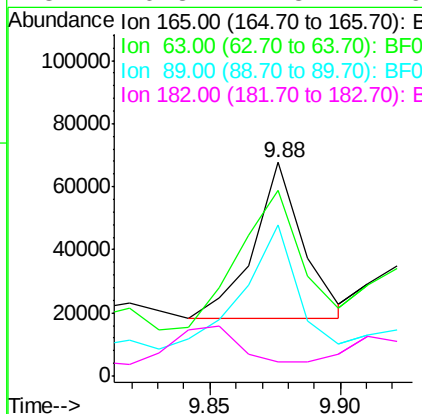
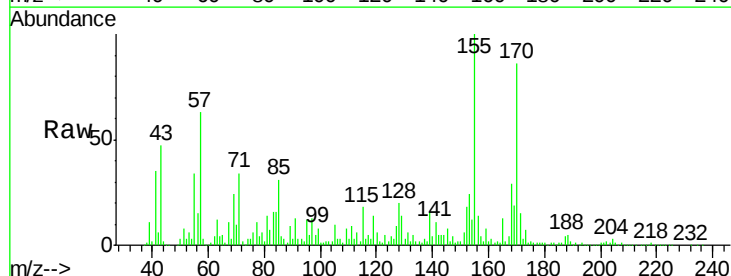
RT: 9.88 min Scan# 699

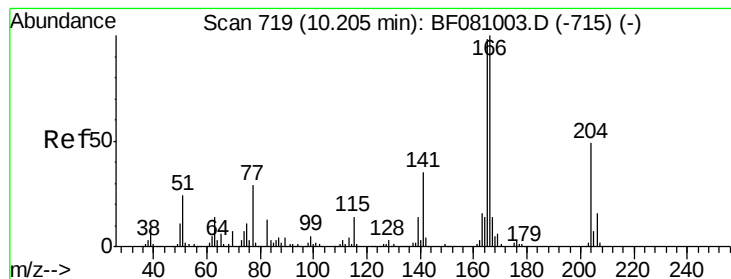
Delta R.T. 0.06 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	86.9	52.2	78.4	
89	71.0	60.1	90.1	
182	6.3	1.8	2.6	





#57

Fluorene

Concen: 72.77 ng

RT: 10.21 min Scan# 728

Delta R.T. 0.05 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

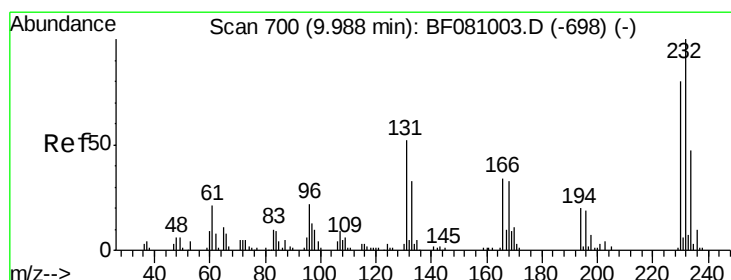
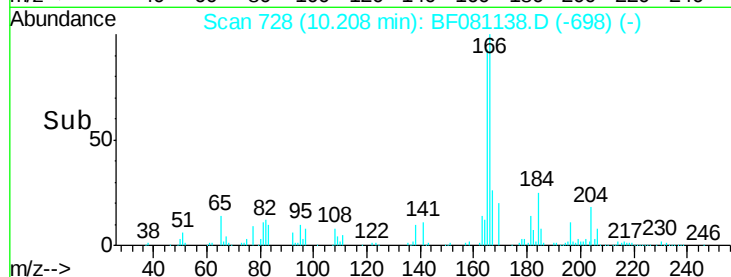
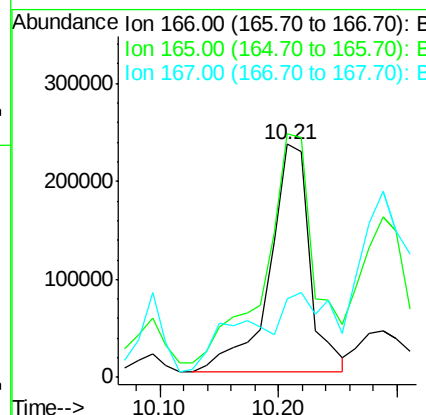
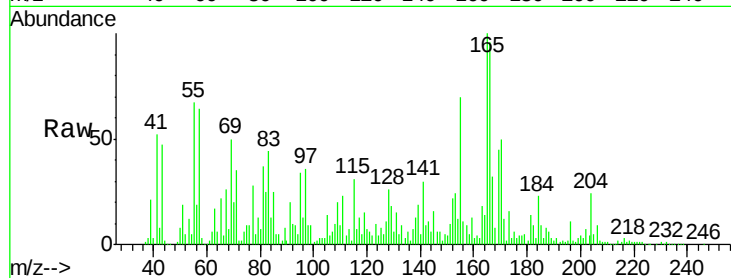
ClientSampleId :

A-PIPE(4)MS

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM

Tot Ion:	166	Resp:	545832
Ion Ratio	Lower	Upper	
166	100		
165	104.5	75.8	113.8
167	33.5	11.3	16.9#



#58

2,3,4,6-Tetrachlorophenol

Concen: 17.26 ng

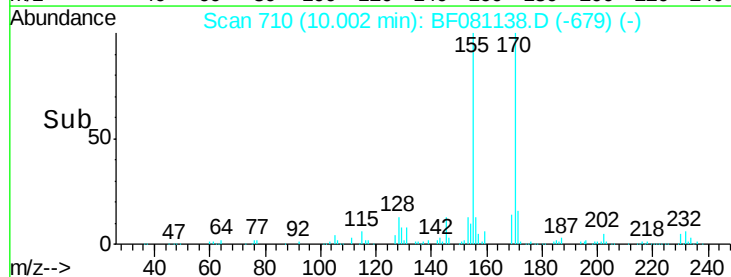
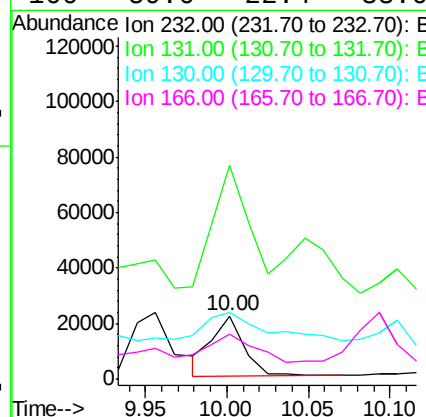
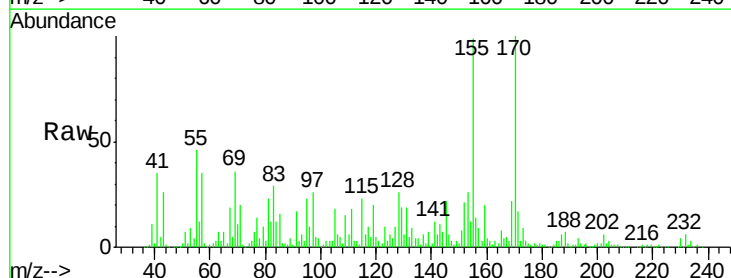
RT: 10.00 min Scan# 710

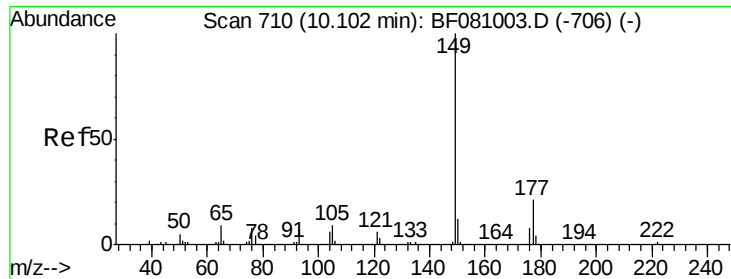
Delta R.T. 0.06 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	232	Resp:	29228
Ion Ratio	Lower	Upper	
232	100		
131	226.1	42.2	63.4#
130	108.6	2.1	3.1#
166	59.6	22.4	33.6#





#59

Diethylphthalate

Concen: 23.59 ng

RT: 10.08 min Scan# 717

Delta R.T. 0.02 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

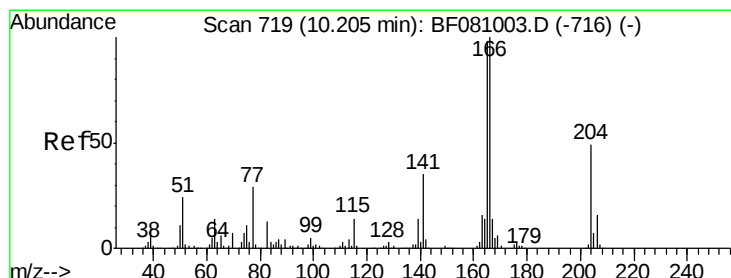
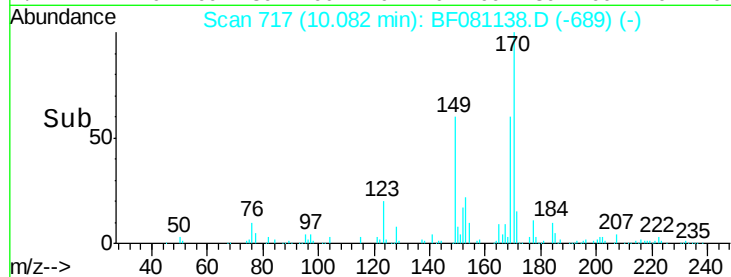
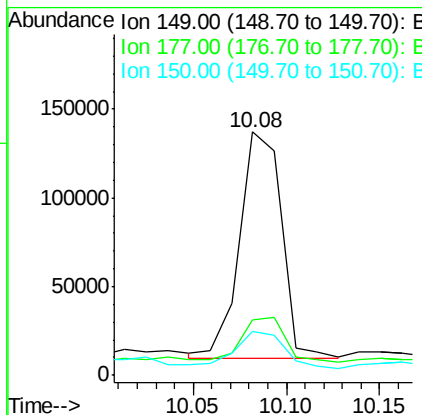
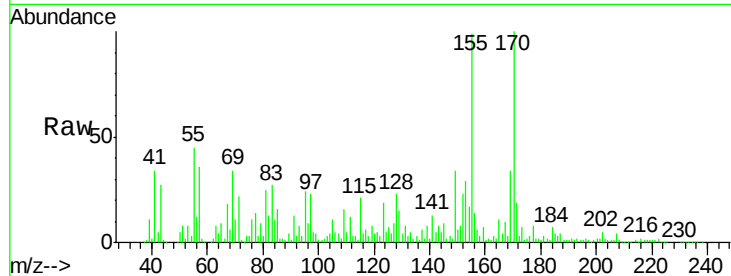
ClientSampleId :

A-PIPE(4)MS

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
177	22.9	14.1	21.1#	
150	18.3	10.3	15.5#	



#60

4-Chlorophenyl-phenylether

Concen: 28.77 ng

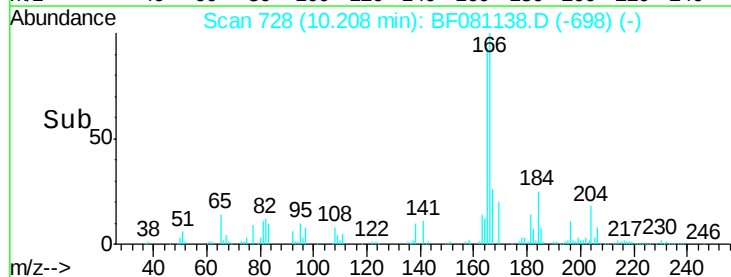
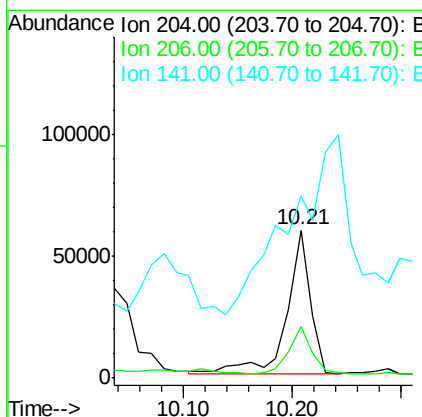
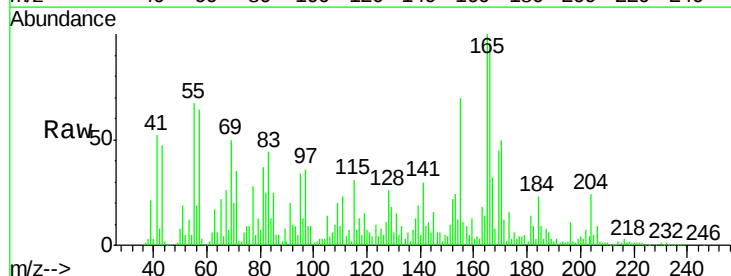
RT: 10.21 min Scan# 728

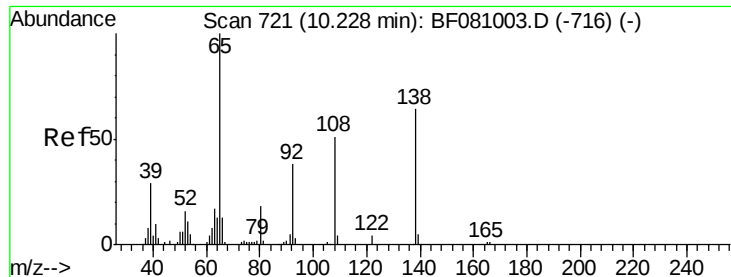
Delta R.T. 0.05 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
204	100			
206	35.0	26.2	39.2	
141	123.5	59.6	89.4#	





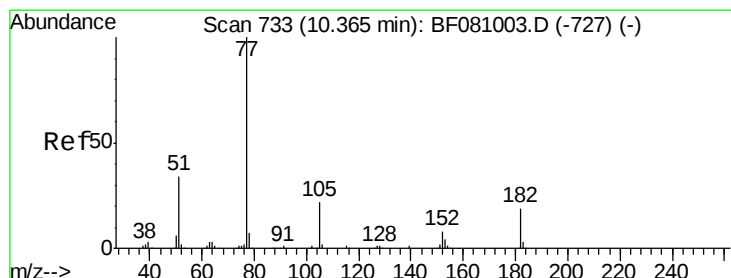
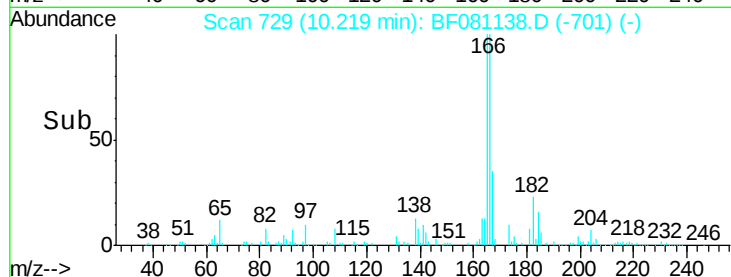
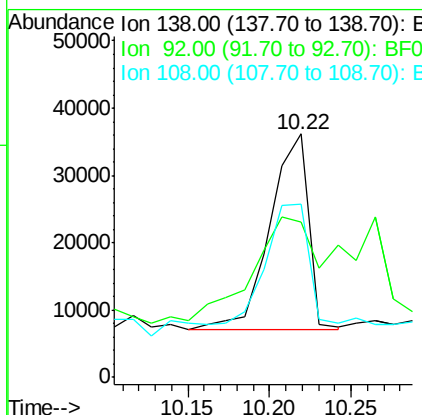
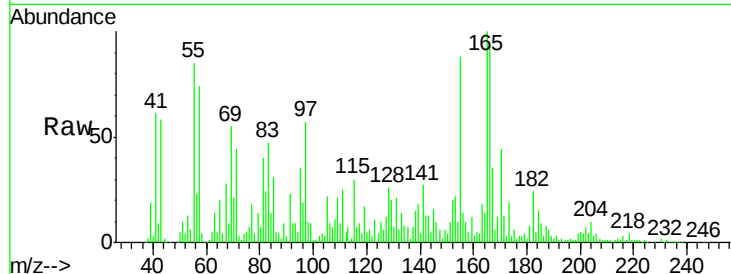
#61
4-Nitroaniline
Concen: 21.89 ng
RT: 10.22 min Scan# 729
Delta R.T. 0.02 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	63.7	34.7	74.7
108	71.3	68.9	108.9

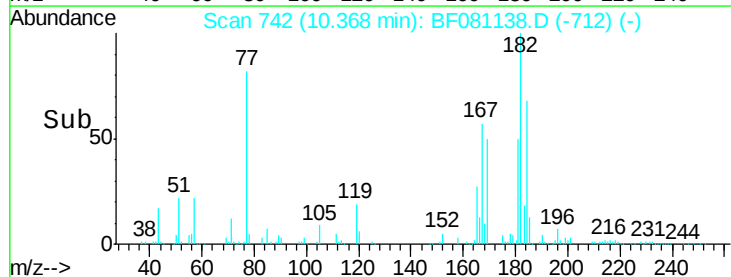
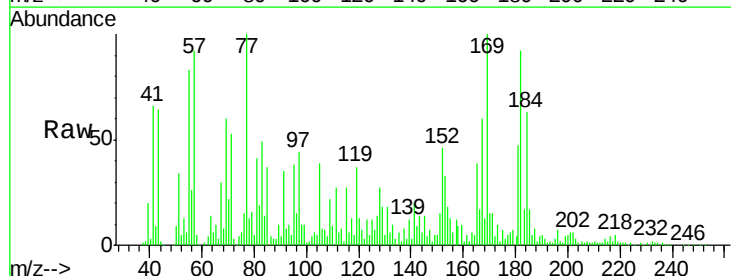
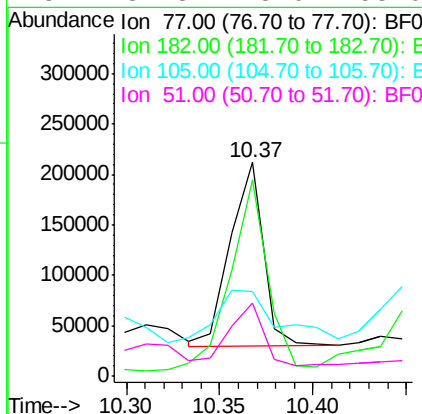
Manual Integrations
APPROVED

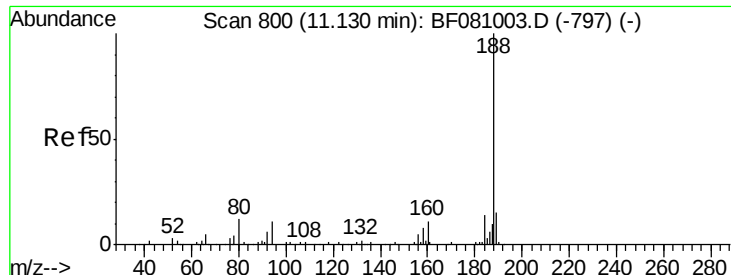
MMDadoda
8/21/2015 2:03:44 PM



#62
Azobenzene
Concen: 23.52 ng
RT: 10.37 min Scan# 742
Delta R.T. 0.05 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Lower	Upper
77	100		
182	91.7	0.0	39.0#
105	39.4	0.2	40.2
51	34.3	18.0	58.0





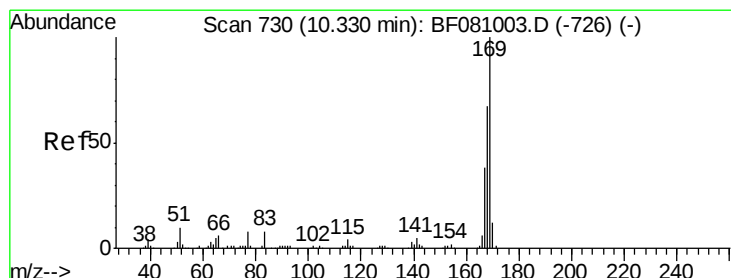
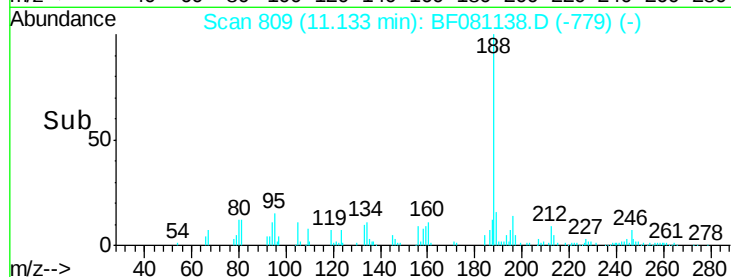
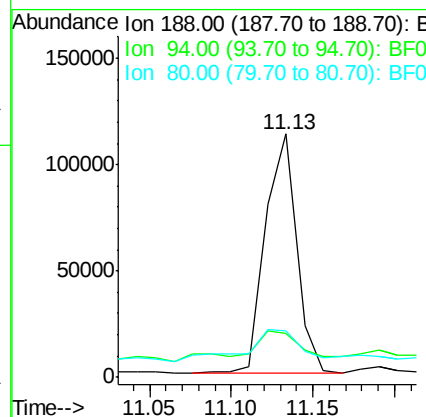
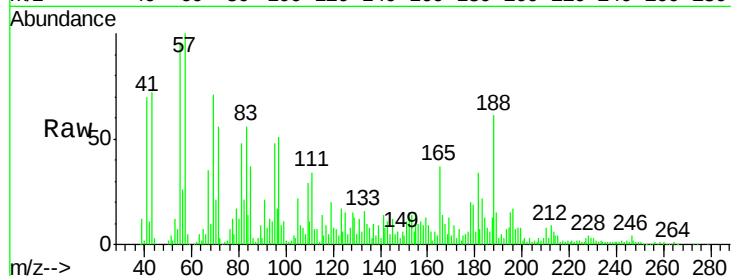
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 809
Delta R.T. 0.05 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	18.2	8.2	12.2#
80	19.0	9.5	14.3#

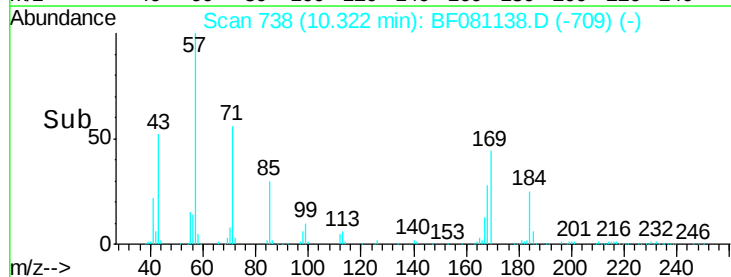
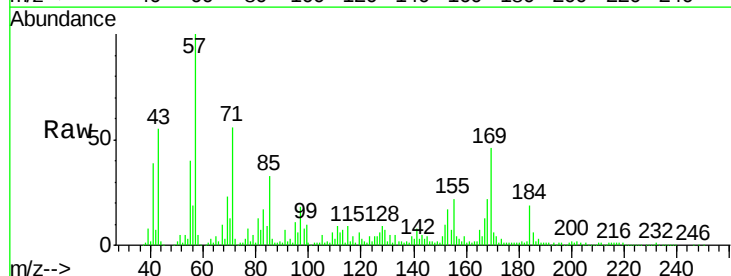
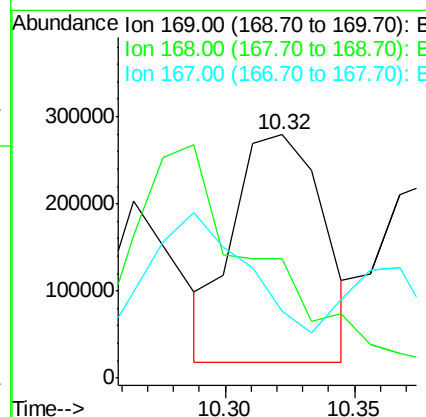
Manual Integrations
APPROVED

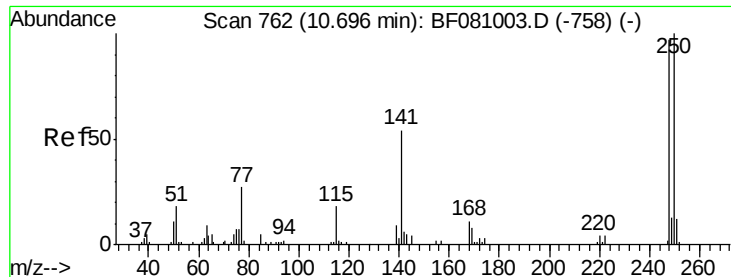
MMDadoda
8/21/2015 2:03:44 PM



#65
n-Nitrosodiphenylamine
Concen: 117.62 ng m
RT: 10.32 min Scan# 738
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp Lower	Upper
169	100		
168	49.3	55.3	82.9#
167	27.7	30.8	46.2#





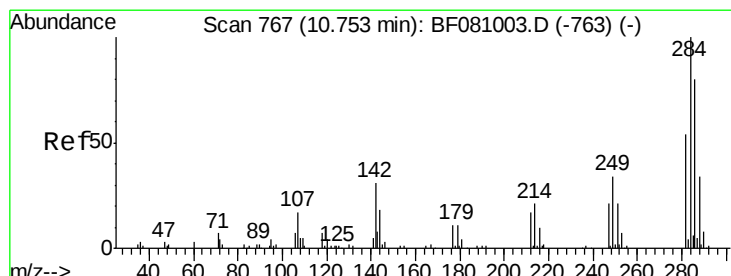
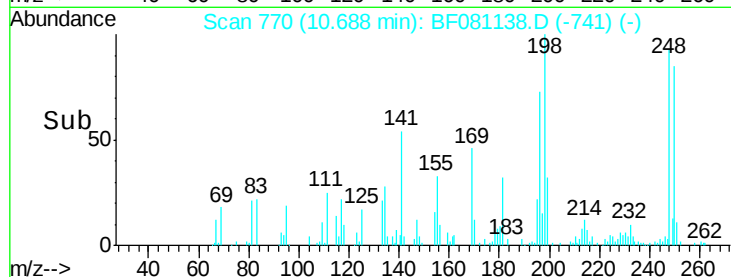
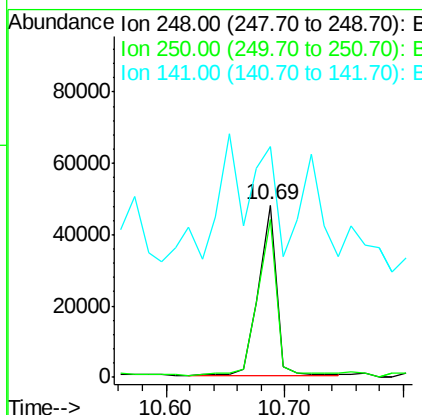
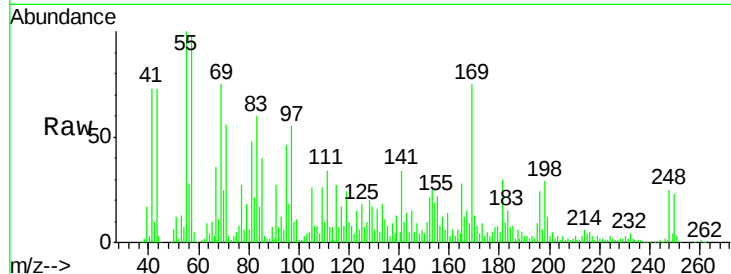
#66
4-Bromophenyl-phenylether
Concen: 34.12 ng
RT: 10.69 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	91.1	77.8	116.6
141	134.1	39.8	59.6

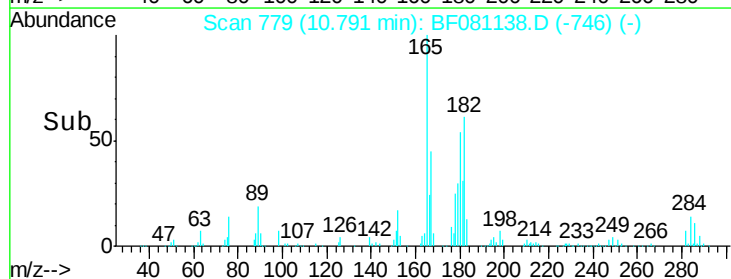
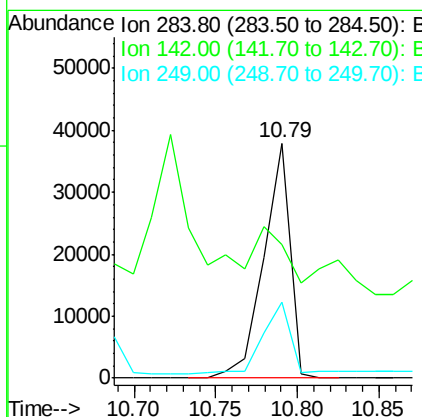
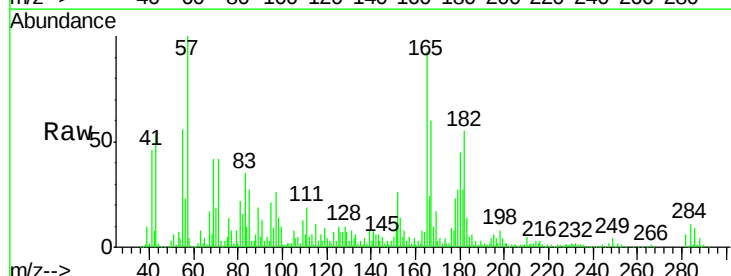
Manual Integrations
APPROVED

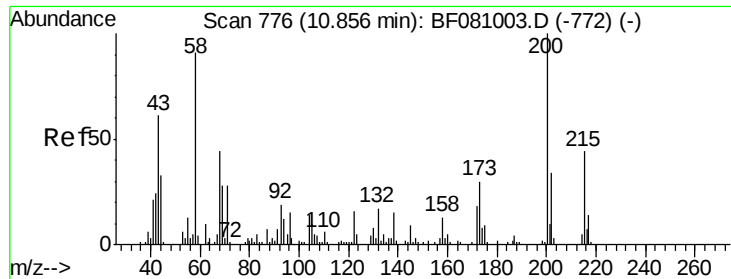
MMDadoda
8/21/2015 2:03:44 PM



#67
Hexachlorobenzene
Concen: 28.40 ng
RT: 10.79 min Scan# 779
Delta R.T. 0.08 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Lower	Upper
284	100		
142	56.8	25.4	38.0
249	32.2	28.5	42.7





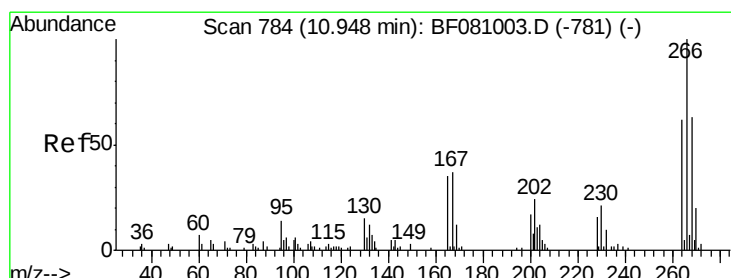
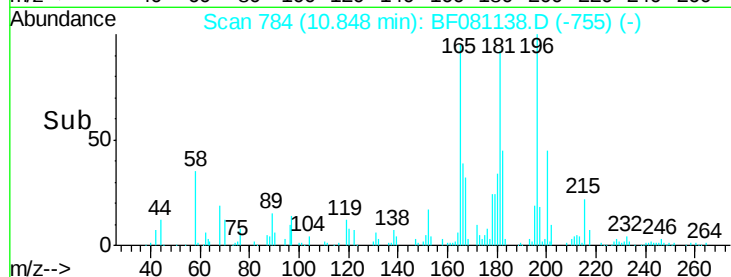
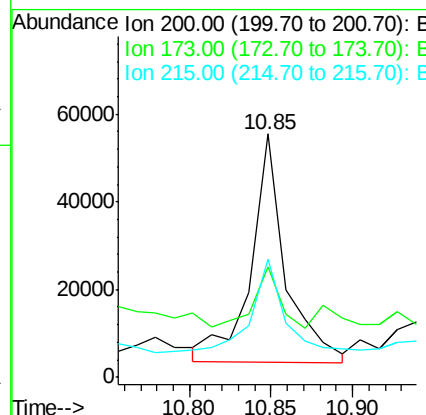
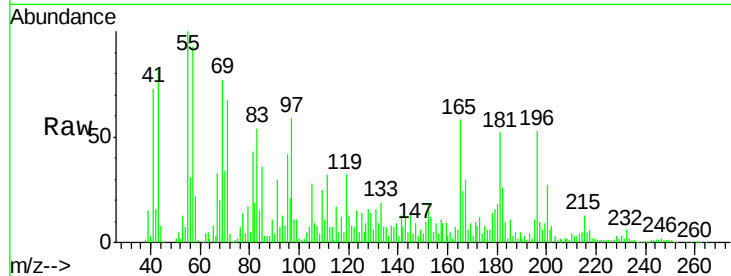
#68
Atrazine
Concen: 51.35 ng
RT: 10.85 min Scan# 784
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	77227		
173	45.3	8.1	48.1	
215	48.4	23.3	63.3	

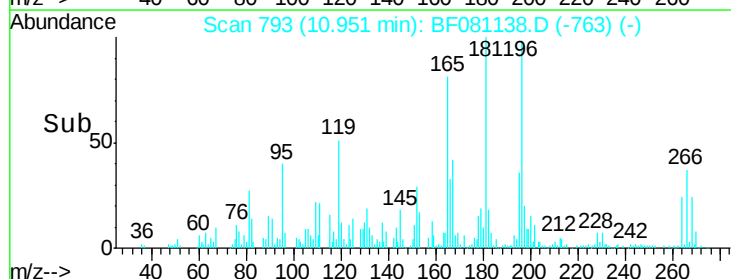
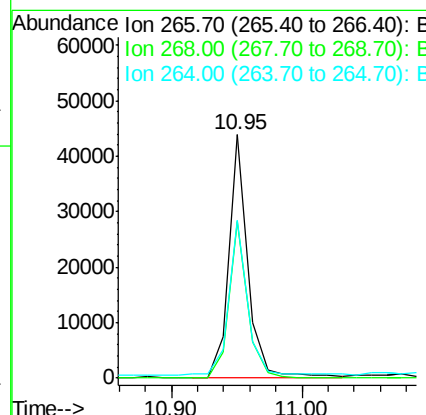
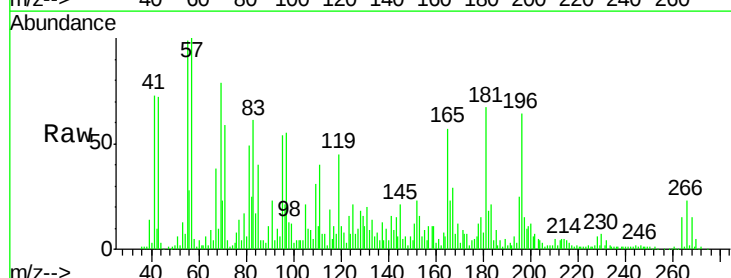
Manual Integrations
APPROVED

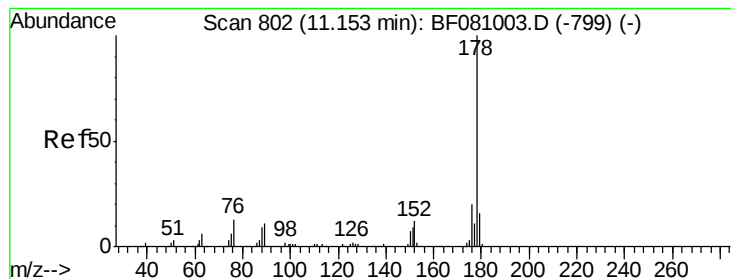
MMDadoda
8/21/2015 2:03:44 PM



#69
Pentachlorophenol
Concen: 49.77 ng
RT: 10.95 min Scan# 793
Delta R.T. 0.05 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	44928		
268	64.2	51.2	76.8	
264	65.0	50.6	75.8	





#70

Phenanthrene

Concen: 134.45 ng m

RT: 11.17 min Scan# 812

Delta R.T. 0.05 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MS

Tot Ion:178 Resp: 1204945

Ion Ratio Lower Upper

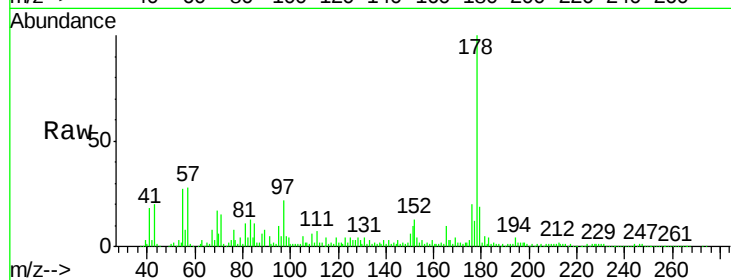
178 100

176 19.7 15.7 23.5

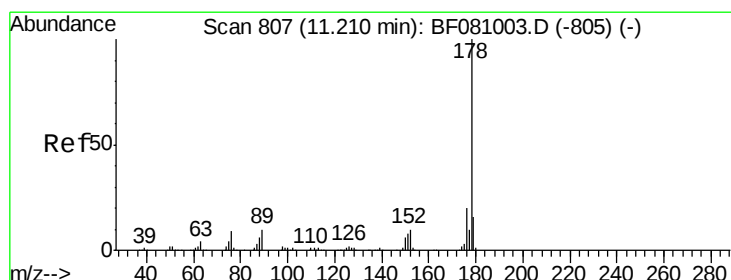
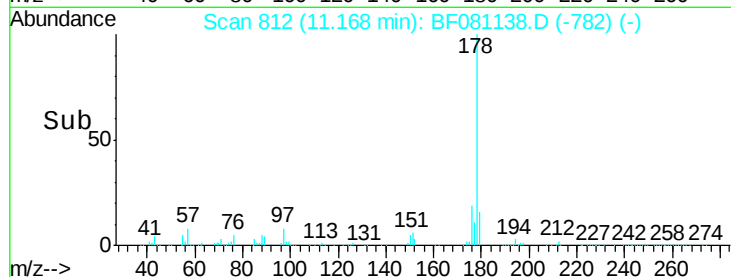
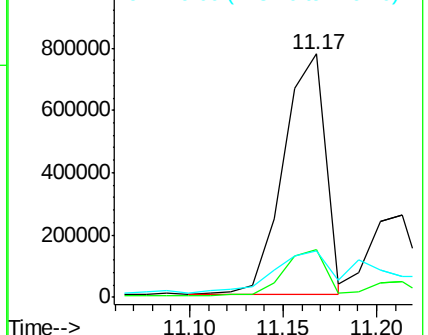
179 19.0 12.2 18.2#

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



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



#71

Anthracene

Concen: 47.04 ng m

RT: 11.21 min Scan# 816

Delta R.T. 0.05 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

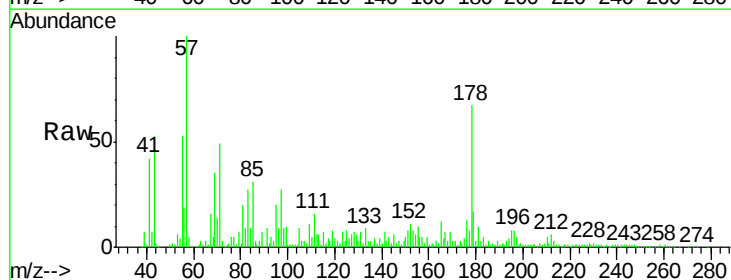
Tgt Ion:178 Resp: 410210

Ion Ratio Lower Upper

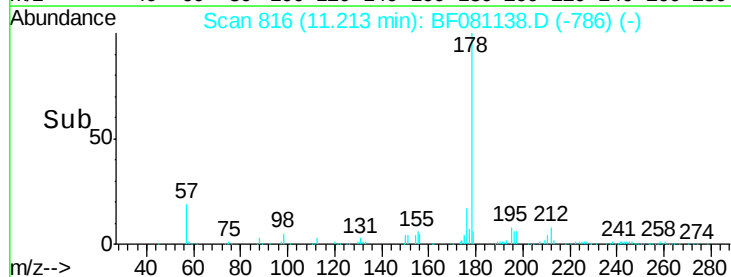
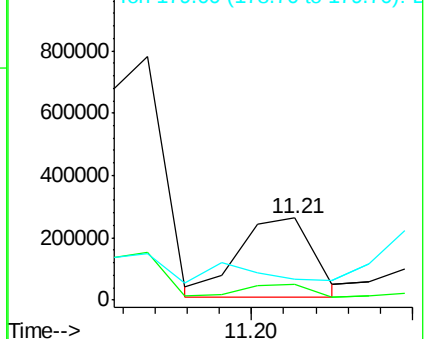
178 100

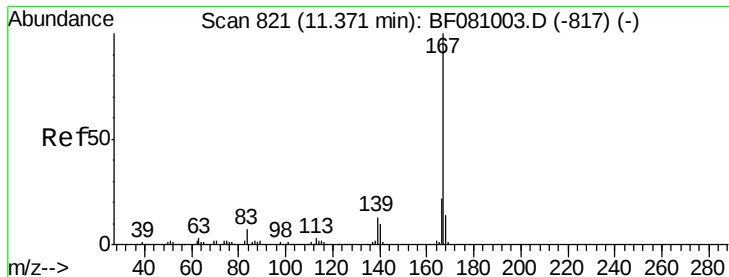
176 18.9 15.7 23.5

179 25.5 12.7 19.1#



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





#72

Carbazole

Concen: 39.30 ng

RT: 11.36 min Scan# 829

Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

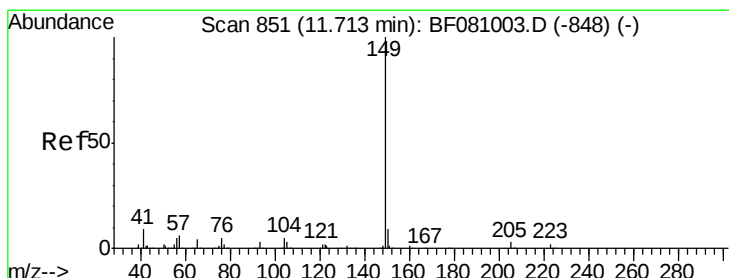
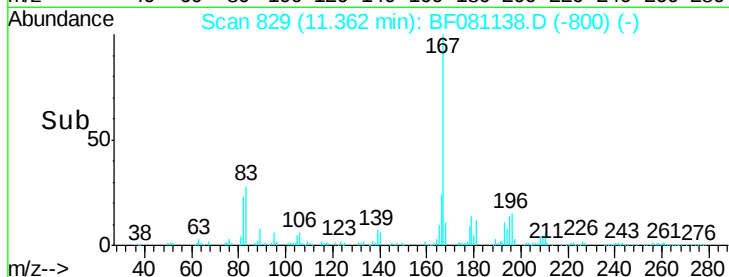
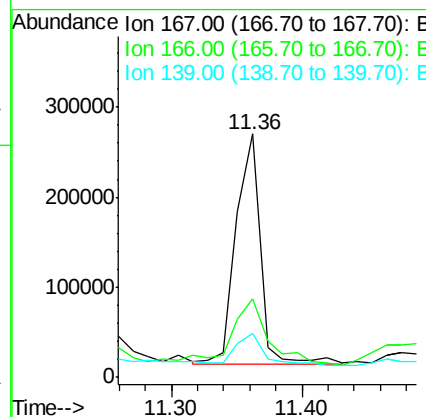
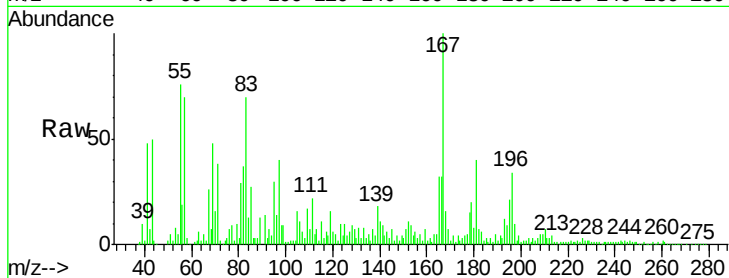
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	167	Resp:	329942
Ion Ratio	Lower	Upper	
167	100		
166	32.5	17.4	26.0#
139	17.8	10.6	16.0#

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#73

Di-n-butylphthalate

Concen: 32.60 ng

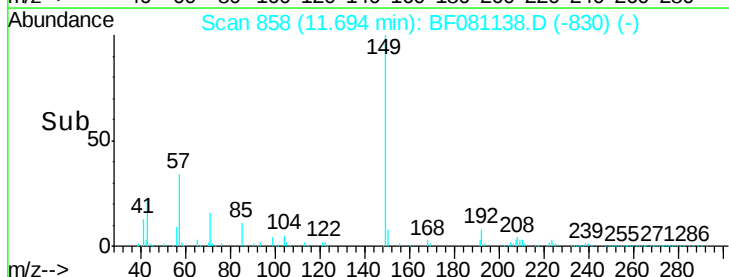
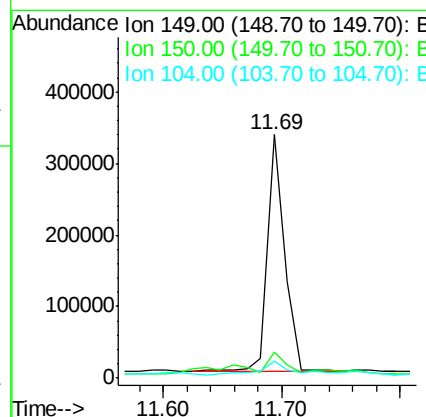
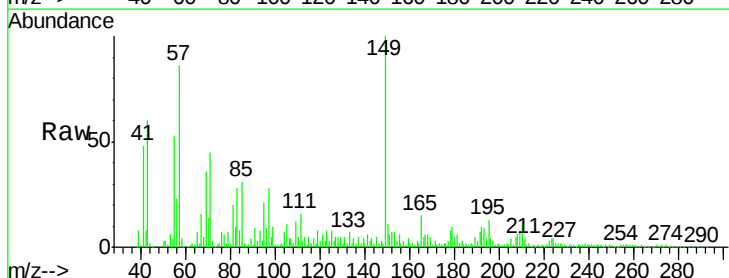
RT: 11.69 min Scan# 858

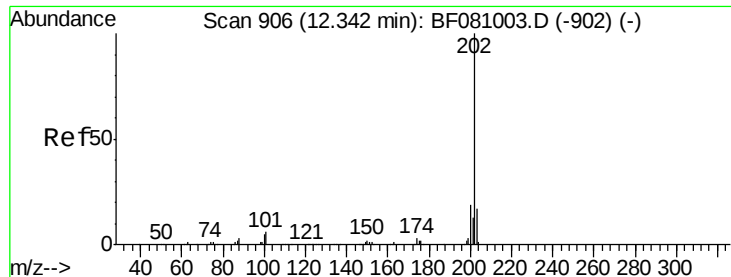
Delta R.T. 0.02 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	149	Resp:	331172
Ion Ratio	Lower	Upper	
149	100		
150	10.7	7.1	10.7#
104	6.9	3.9	5.9#





#74

Fluoranthene

Concen: 34.66 ng

RT: 12.32 min Scan# 913

Delta R.T. 0.03 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

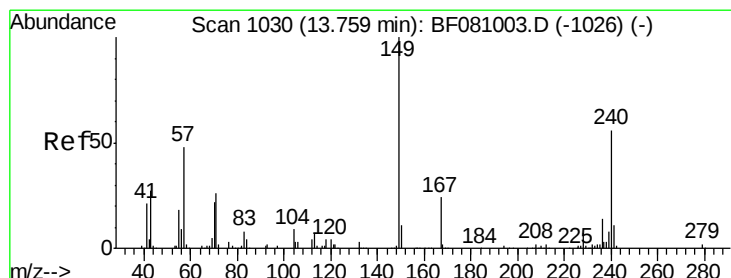
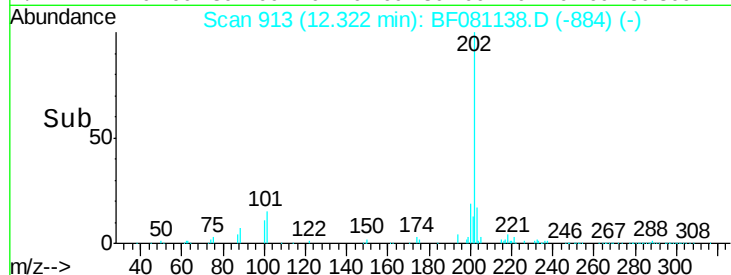
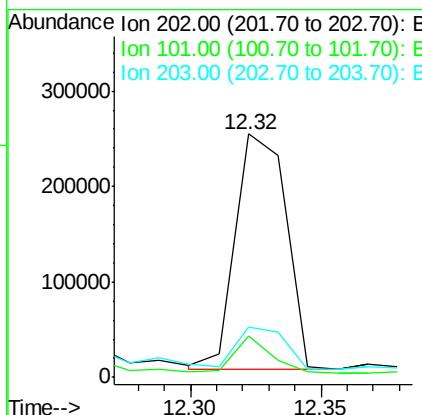
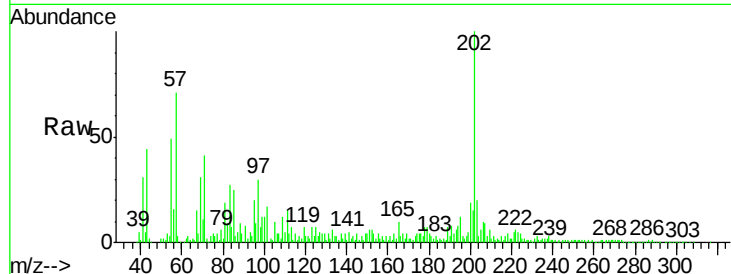
ClientSampleId :

A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	335200		
101	17.1	0.0	24.8	
203	20.4	0.0	36.9	

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#75

Chrysene-d12

Concen: 20.00 ng

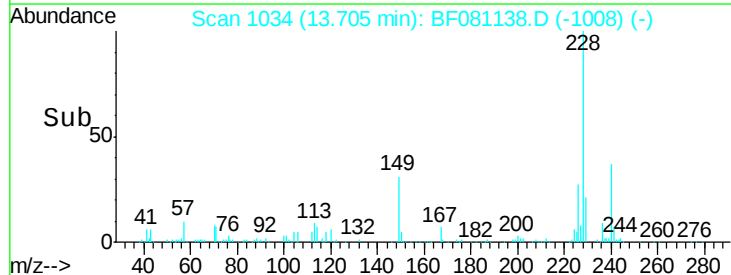
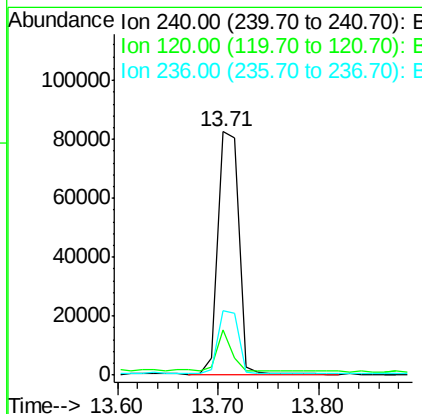
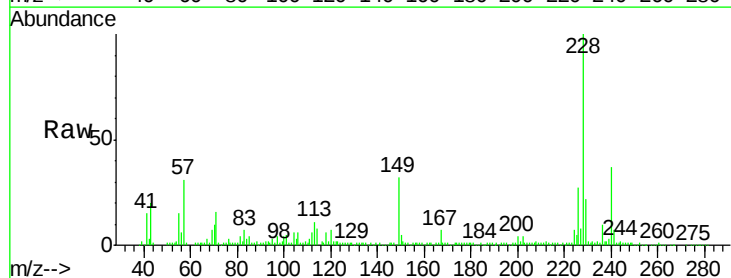
RT: 13.71 min Scan# 1034

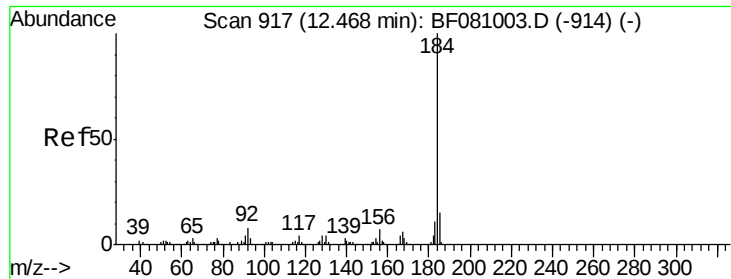
Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	120078		
120	18.4	5.6	8.4#	
236	26.4	20.6	30.8	





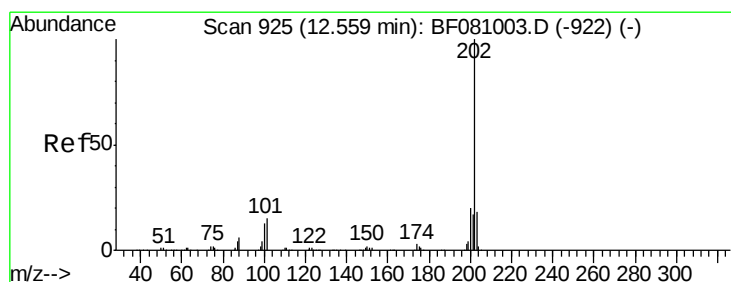
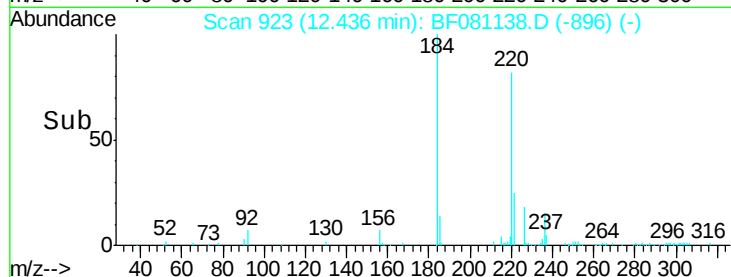
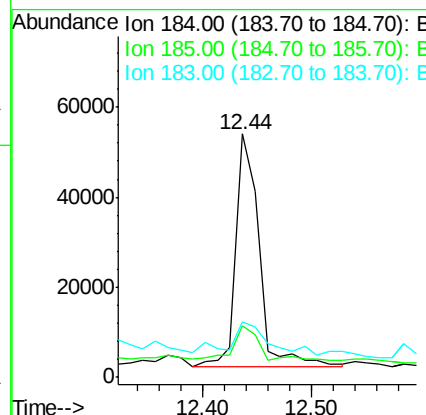
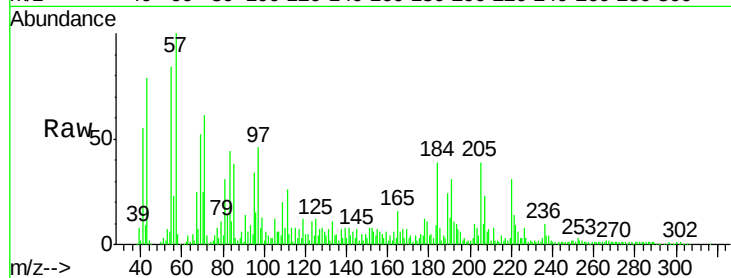
#76
Benzidine
Concen: 16.59 ng
RT: 12.44 min Scan# 923
Delta R.T. 0.01 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	21.1	12.0	18.0#
183	22.6	8.9	13.3#

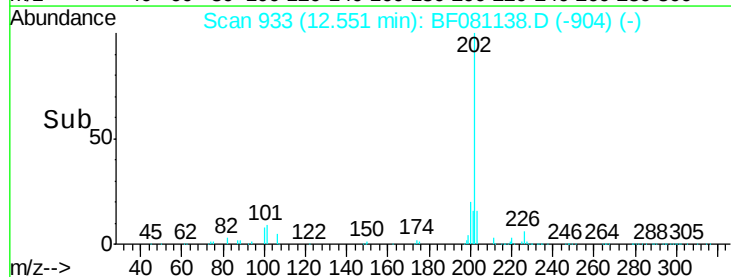
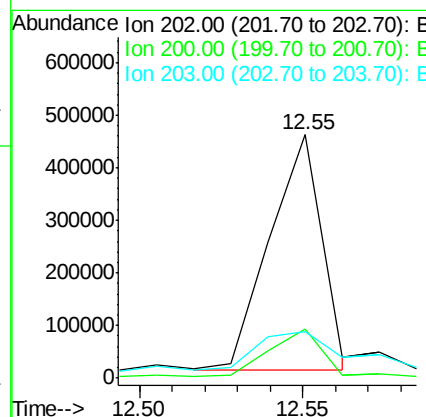
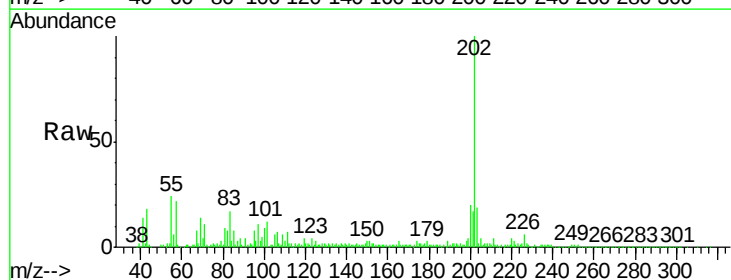
Manual Integrations
APPROVED

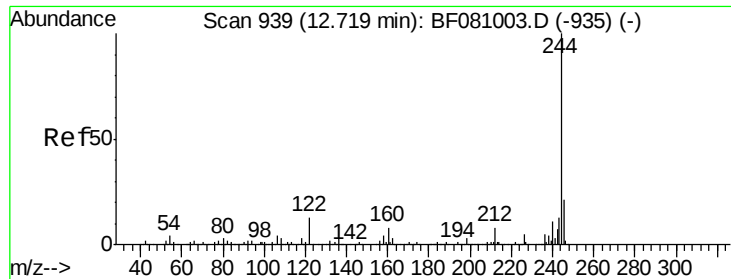
MMDadoda
8/21/2015 2:03:44 PM



#77
Pyrene
Concen: 50.79 ng m
RT: 12.55 min Scan# 933
Delta R.T. 0.03 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.6	24.8
203	19.3	14.1	21.1





#78

Terphenyl-d14

Concen: 69.95 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

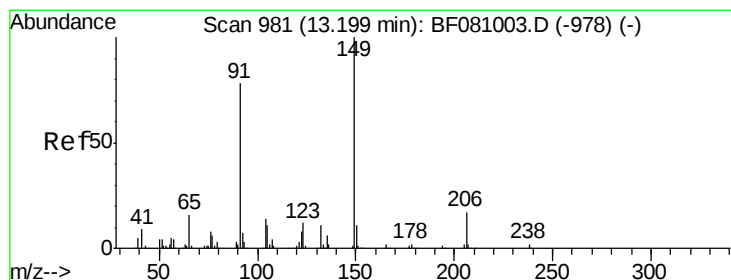
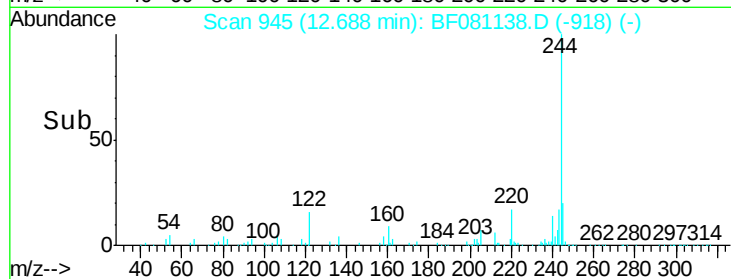
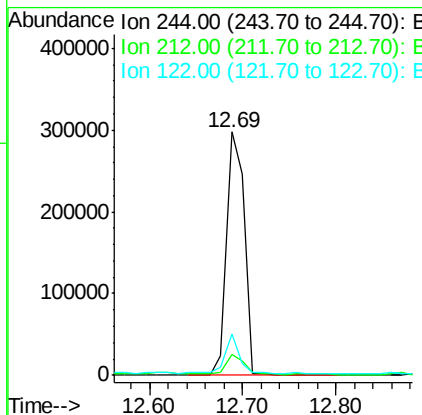
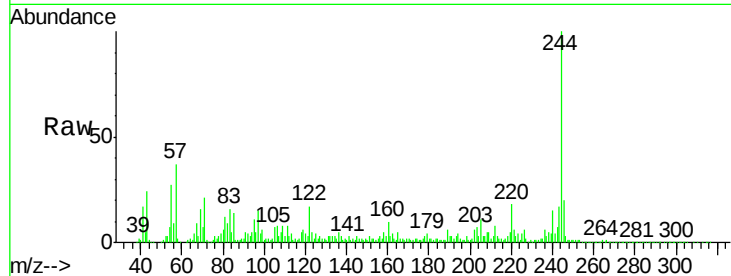
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	244	Resp:	391820
Ion Ratio	Lower	Upper	
244	100		
212	8.3	5.8	8.8
122	17.2	8.2	12.4#

Manual Integrations
APPROVED

MMDadoda
8/21/2015 2:03:44 PM



#79

Butylbenzylphthalate

Concen: 37.10 ng

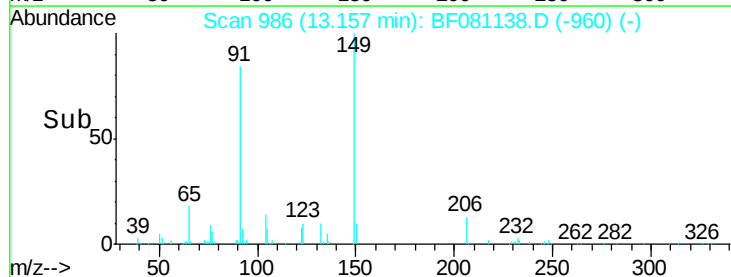
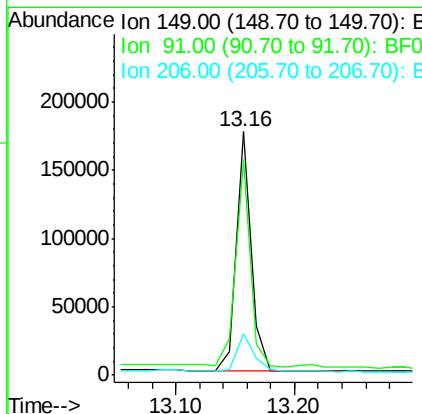
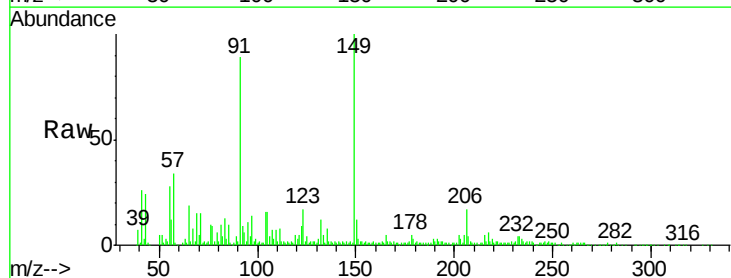
RT: 13.16 min Scan# 986

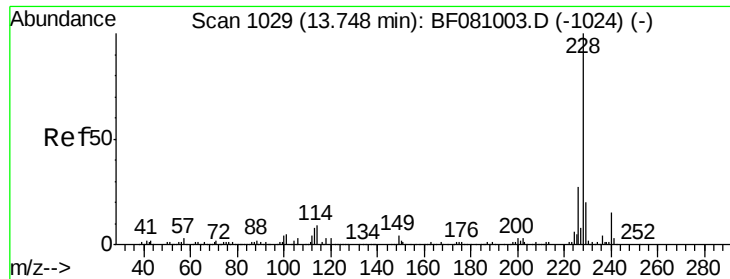
Delta R.T. -0.00 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Tgt Ion:	149	Resp:	155669
Ion Ratio	Lower	Upper	
149	100		
91	88.7	46.9	70.3#
206	16.9	17.0	25.4#





#80

Benzo(a)anthracene

Concen: 34.26 ng

RT: 13.71 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF081138.D

Acq: 20 Aug 2015 22:15

Instrument :

BNA_F

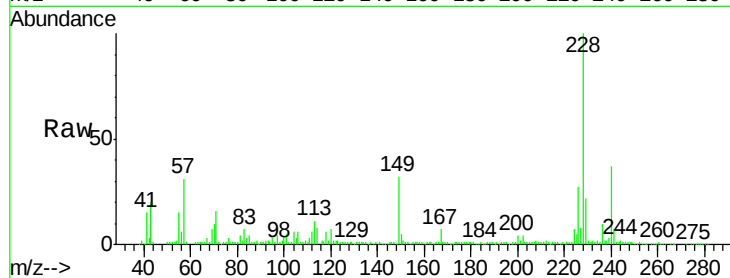
ClientSampleId :

A-PIPE(4)MS

Tot Ion:	228	Resp:	275875
Ion Ratio		Lower	Upper
228	100		
226	27.4	22.3	33.5
229	22.0	15.9	23.9

Manual Integrations
APPROVED

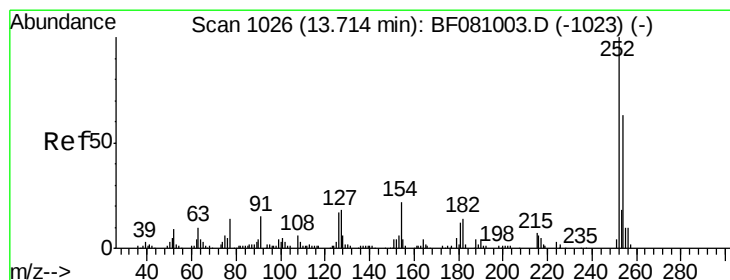
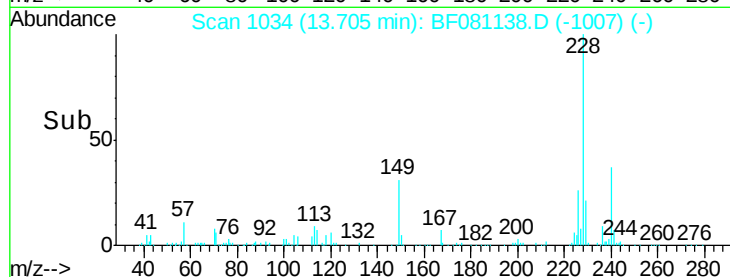
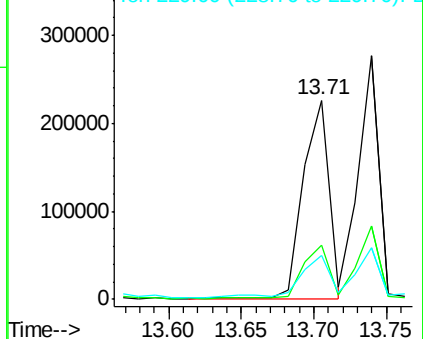
MMDadoda
8/21/2015 2:03:44 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 24.86 ng

RT: 13.67 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF081138.D

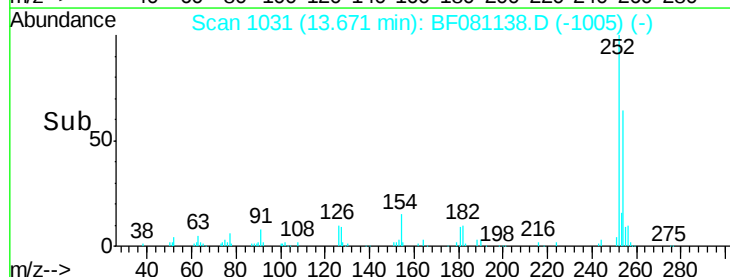
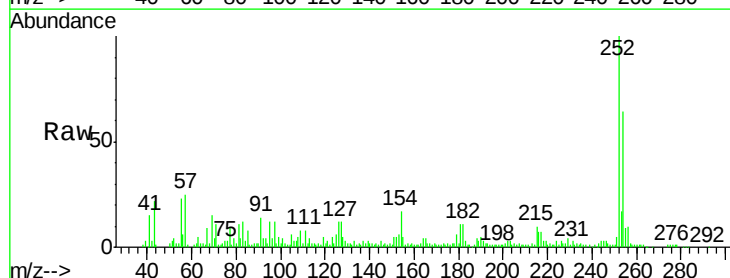
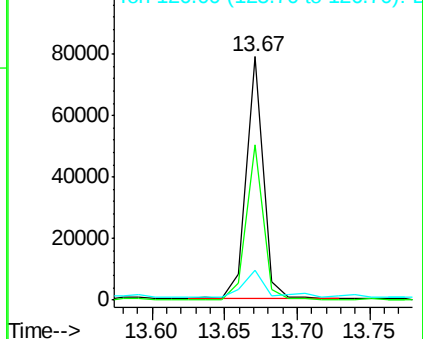
Acq: 20 Aug 2015 22:15

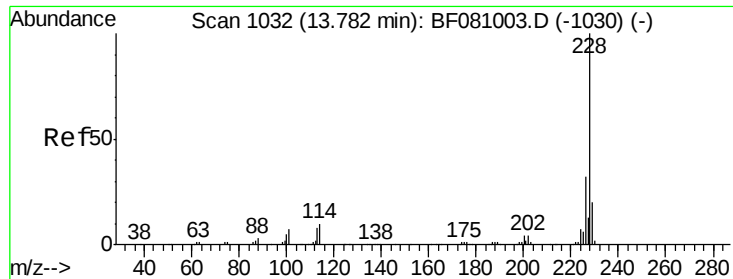
Tgt Ion:	252	Resp:	64839
Ion Ratio		Lower	Upper
252	100		
254	63.8	51.5	77.3
126	12.3	12.5	18.7#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





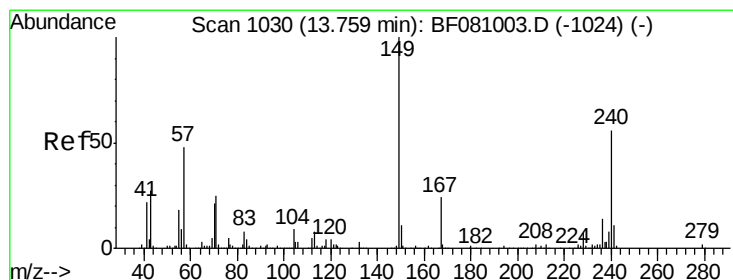
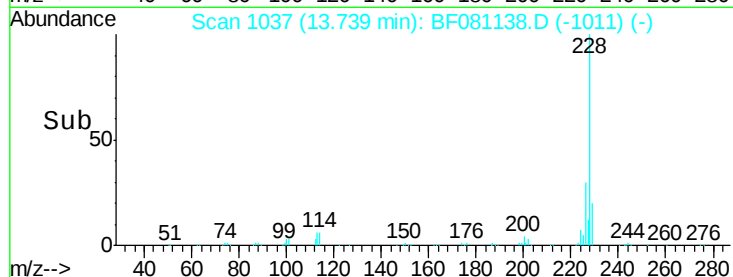
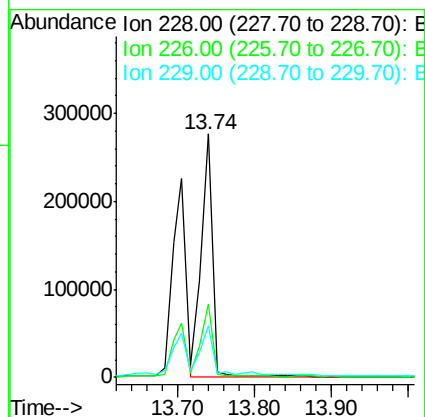
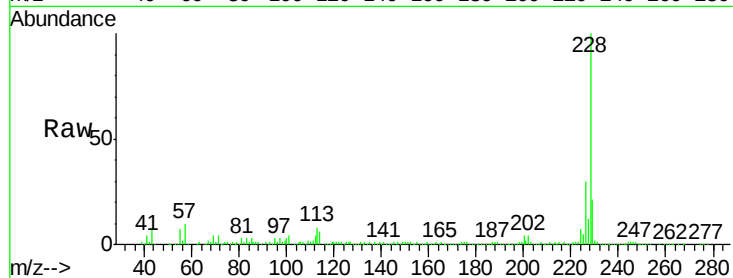
#82
Chrysene
Concen: 38.01 ng
RT: 13.74 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		275875		
226	30.4		24.4	36.6	
229	21.2		16.0	24.0	

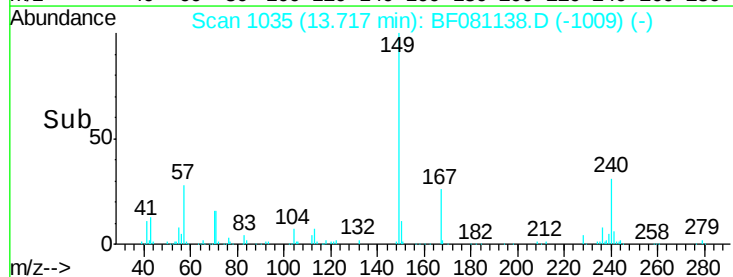
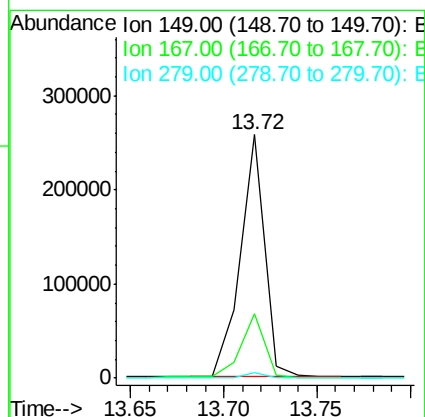
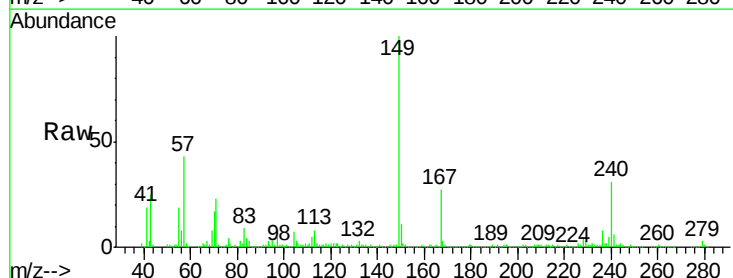
Manual Integrations
APPROVED

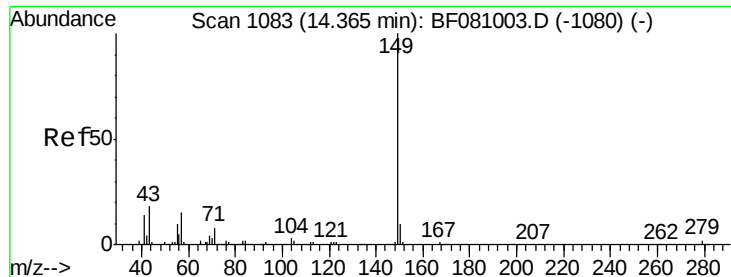
MMDadoda
8/21/2015 2:03:44 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 43.63 ng
RT: 13.72 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		234470		
167	26.7		20.7	31.1	
279	2.5		2.2	3.4	





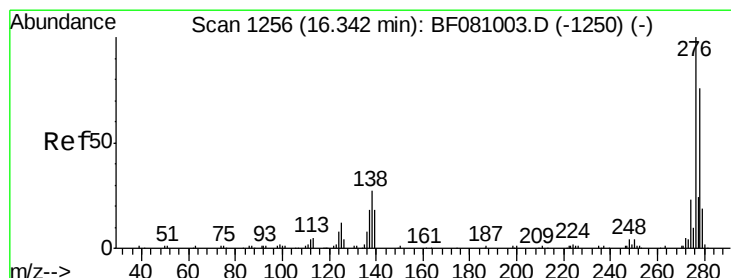
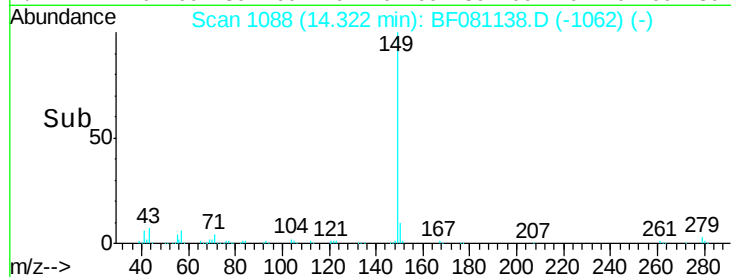
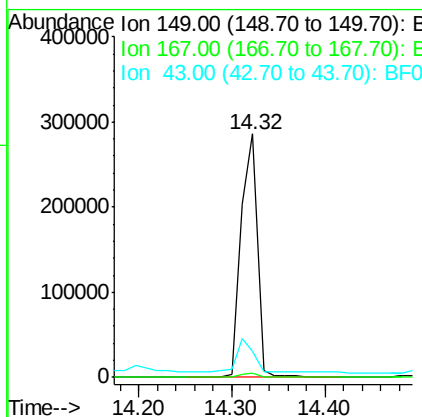
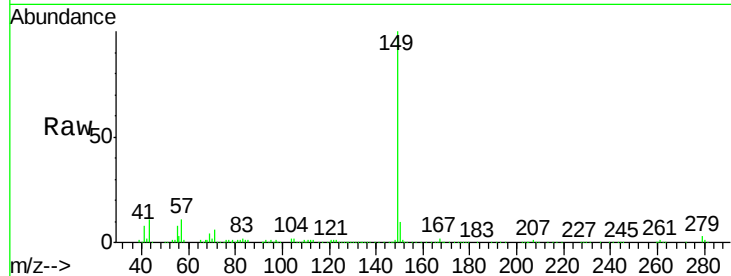
#84
Di-n-octyl phthalate
Concen: 42.02 ng
RT: 14.32 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	343277		
167	1.9	1.1	1.7#	
43	14.8	11.6	17.4	

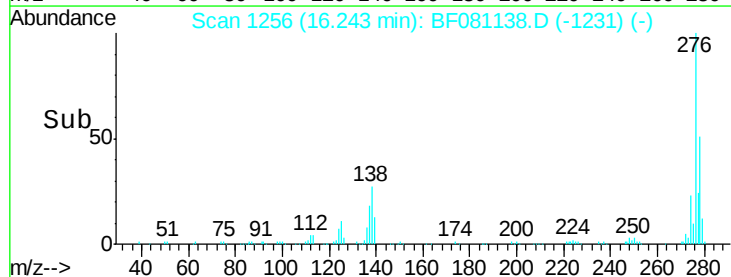
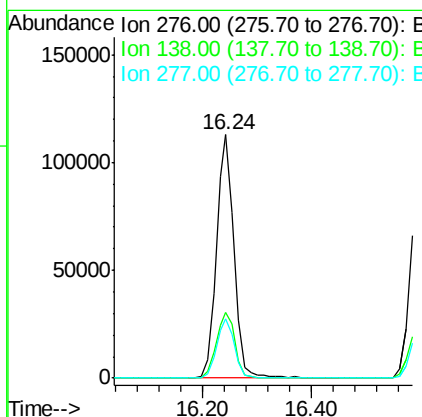
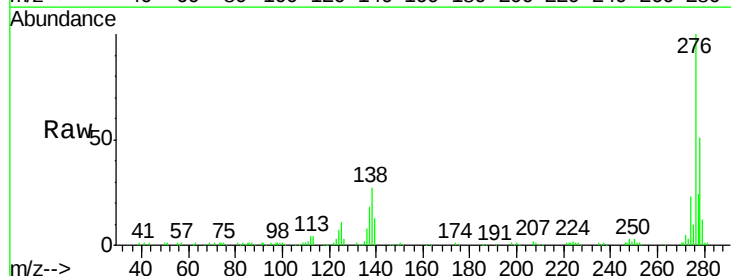
Manual Integrations
APPROVED

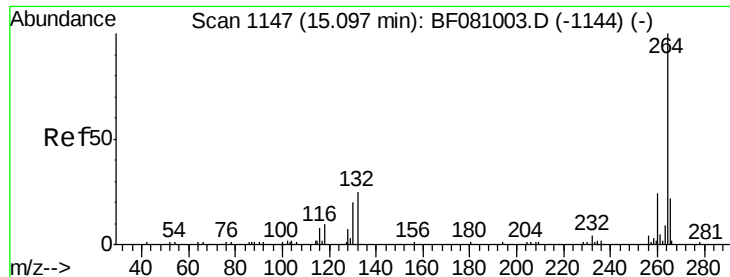
MMDadoda
8/21/2015 2:03:44 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 50.22 ng
RT: 16.24 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	255882		
138	28.7	18.6	28.0#	
277	24.3	19.8	29.8	





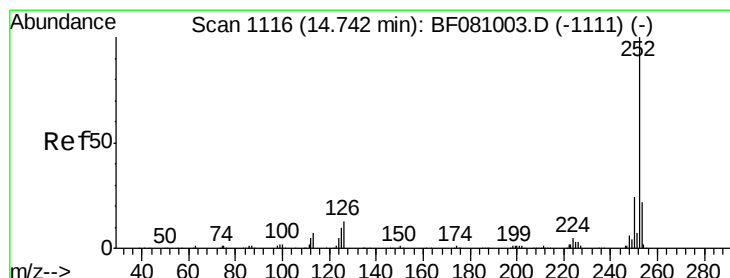
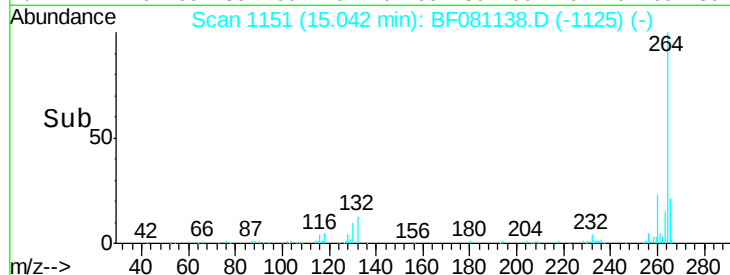
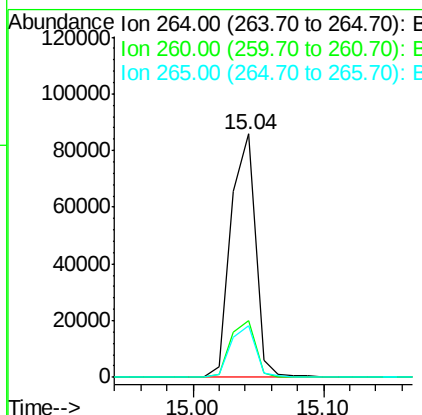
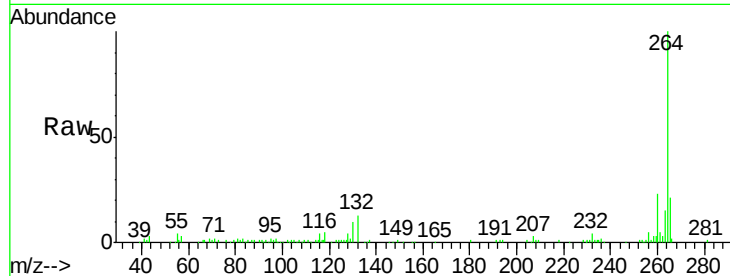
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.2	19.6	29.4		
265	21.4	17.5	26.3		

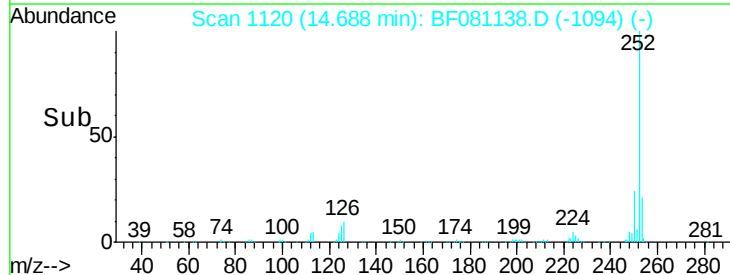
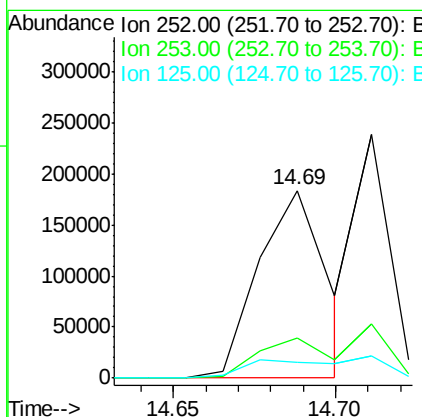
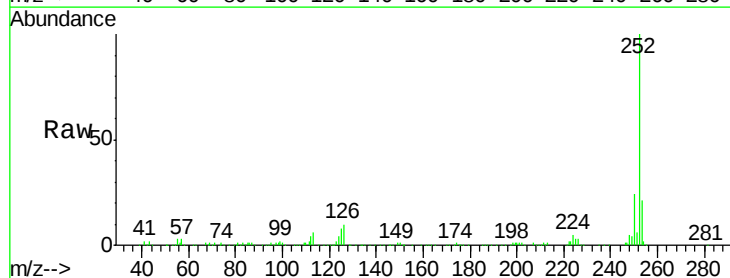
Manual Integrations
APPROVED

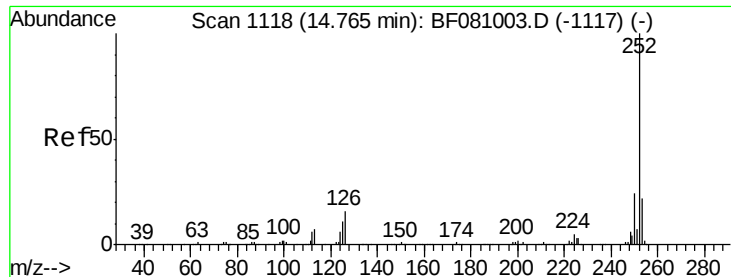
MMDadoda
8/21/2015 2:03:44 PM



#87
Benzo(b)fluoranthene
Concen: 33.56 ng m
RT: 14.69 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	21.1	17.1	25.7		
125	8.2	8.0	12.0		





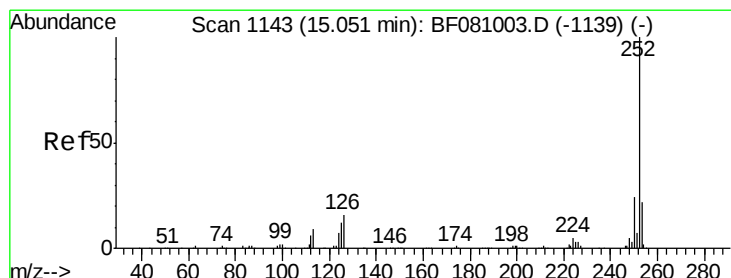
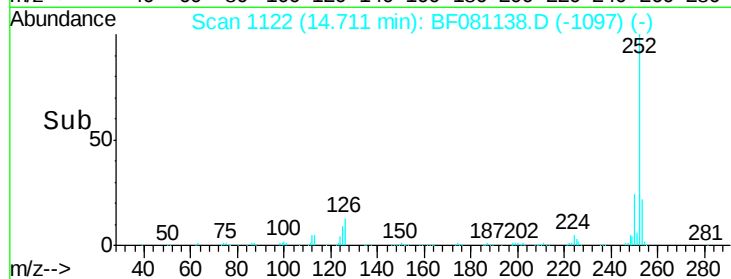
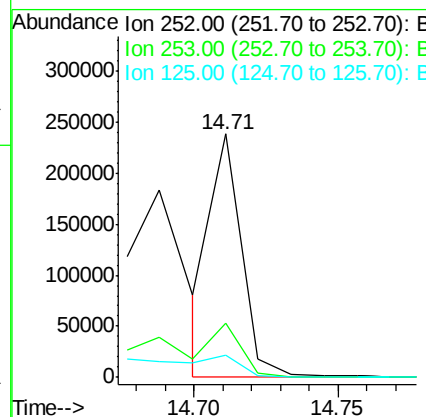
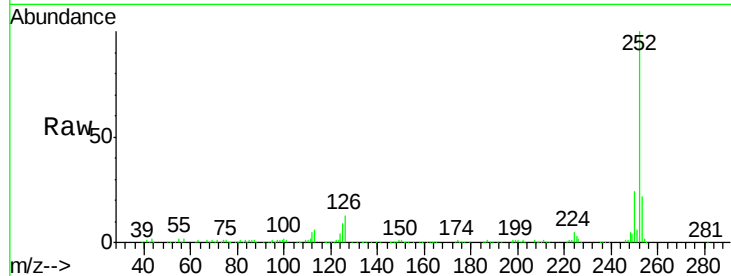
#88
Benzo(k)fluoranthene
Concen: 24.33 ng m
RT: 14.71 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	179910		
253	22.3	17.6	26.4	
125	9.0	10.3	15.5#	

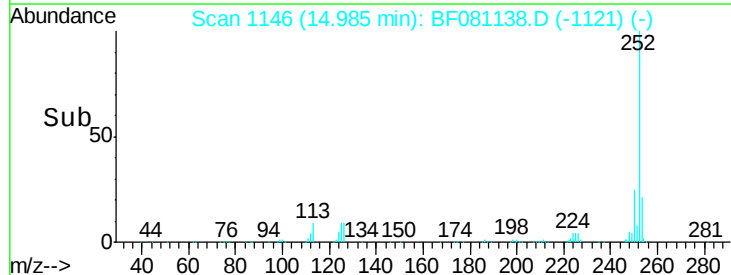
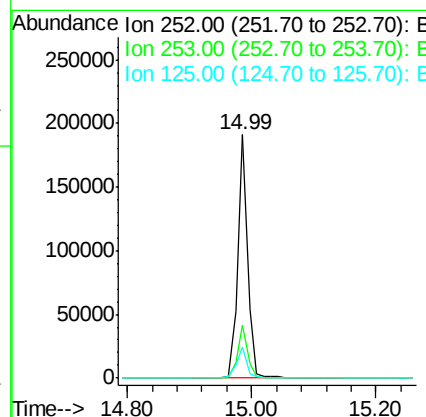
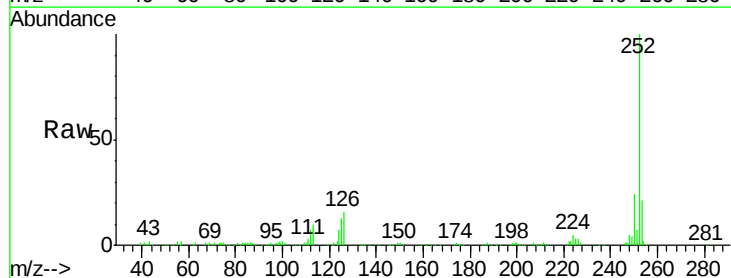
Manual Integrations
APPROVED

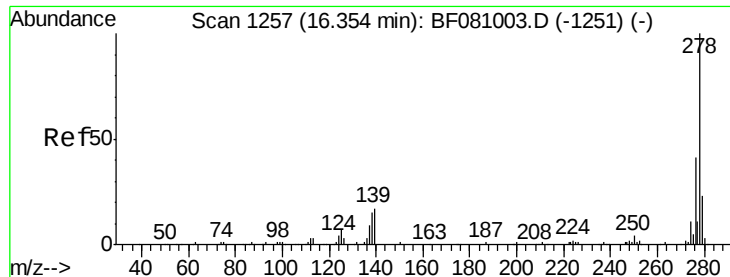
MMDadoda
8/21/2015 2:03:44 PM



#89
Benzo(a)pyrene
Concen: 30.85 ng
RT: 14.99 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF081138.D
Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	213285		
253	21.5	16.6	25.0	
125	12.7	7.8	11.8#	





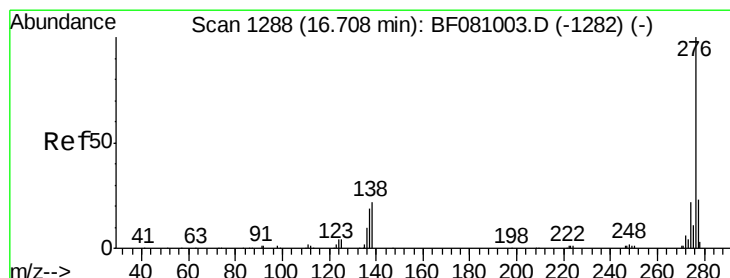
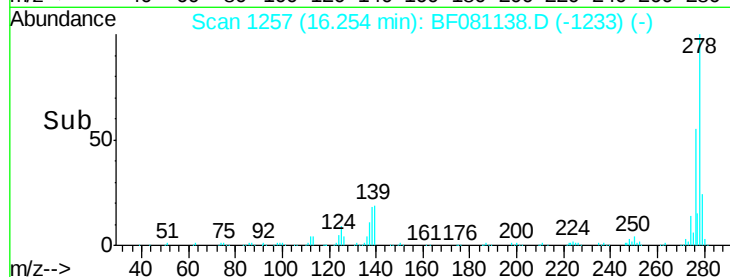
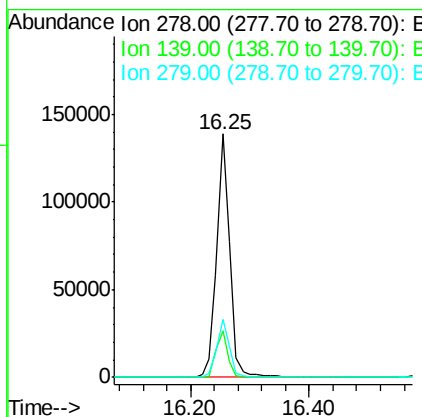
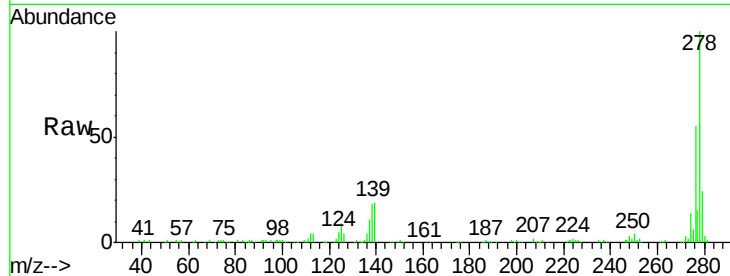
#90
 Dibenzo(a,h)anthracene
 Concen: 39.50 ng
 RT: 16.25 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF081138.D
 Acq: 20 Aug 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.2	10.8	16.2#
279	23.7	19.0	28.6

Manual Integrations
 APPROVED

MMDadoda
 8/21/2015 2:03:44 PM



#91
 Benzo(g,h,i)perylene
 Concen: 40.12 ng
 RT: 16.60 min Scan# 1287
 Delta R.T. -0.02 min
 Lab File: BF081138.D
 Acq: 20 Aug 2015 22:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.2	27.2
138	27.0	13.7	20.5#

