

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
 Data File : BF080986.D
 Acq On : 13 Aug 2015 18:03
 Operator : UM/IZ
 Sample : G3238-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Manual Integrations
 APPROVED

MMDadoda
 8/14/2015 3:08:52 PM

Quant Time: Aug 14 07:32:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	42251	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	154758	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	72549	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	109005	20.00	ng	-0.06
75) Chrysene-d12	13.89	240	122377	20.00	ng	-0.07
86) Perylene-d12	15.28	264	57815	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	128429	49.66	ng	-0.05
7) Phenol-d6	6.38	99	114047	32.18	ng	-0.06
23) Nitrobenzene-d5	7.32	82	287663	87.92	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	51533	64.66	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	324623	62.99	ng	-0.06
78) Terphenyl-d14	12.85	244	361419	61.00	ng	-0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.32	88	14676	11.97	ng	# 76
3) Pyridine	3.01	79	45305	13.03	ng	# 85
4) n-Nitrosodimethylamine	2.93	42	34817	19.61	ng	# 75
6) Aniline	6.41	93	76787	14.75	ng	# 88
8) 2-Chlorophenol	6.53	128	89070	29.77	ng	89
9) Benzaldehyde	6.29	77	104333	43.68	ng	98
10) Phenol	6.40	94	46485	11.06	ng	77
11) bis(2-Chloroethyl)ether	6.49	93	116188	37.01	ng	95
12) 1,3-Dichlorobenzene	6.69	146	104240	32.83	ng	97
13) 1,4-Dichlorobenzene	6.77	146	106103	32.15	ng	99
14) 1,2-Dichlorobenzene	6.92	146	98419	32.99	ng	97
15) Benzyl Alcohol	6.90	79	79387	27.38	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.04	45	257156	40.72	ng	93
17) 2-Methylphenol	7.02	107	62291	24.39	ng	# 85
18) Hexachloroethane	7.26	117	81852	64.74	ng	98
19) n-Nitroso-di-n-propylamine	7.17	70	95441	36.85	ng	87
20) 3+4-Methylphenols	7.17	107	70701	22.03	ng	97
22) Acetophenone	7.16	105	181387	47.83	ng	# 95
24) Nitrobenzene	7.34	77	158372	47.01	ng	# 84
25) Isophorone	7.58	82	265573	42.21	ng	95
26) 2-Nitrophenol	7.65	139	46934	33.11	ng	# 79
27) 2,4-Dimethylphenol	7.70	122	80207	30.22	ng	88
28) bis(2-Chloroethoxy)methane	7.80	93	159078	42.11	ng	96
29) 2,4-Dichlorophenol	7.90	162	78704	36.09	ng	98
30) 1,2,4-Trichlorobenzene	7.98	180	89676	37.62	ng	98
31) Naphthalene	8.06	128	952359	111.64	ng	97
32) Benzoic acid	7.81	122	21133	13.30	ng	# 22
33) 4-Chloroaniline	8.11	127	55149	15.91	ng	95
34) Hexachlorobutadiene	8.18	225	47308	33.36	ng	98
35) Caprolactam	8.54	113	6736m	8.59	ng	
36) 4-Chloro-3-methylphenol	8.60	107	82354	30.95	ng	92
37) 2-Methylnaphthalene	8.76	142	781891	143.99	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	71661	32.04	ng	# 96
40) Hexachlorocyclopentadiene	8.91	237	75086	61.52	ng	96

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
 Data File : BF080986.D
 Acq On : 13 Aug 2015 18:03
 Operator : UM/IZ
 Sample : G3238-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

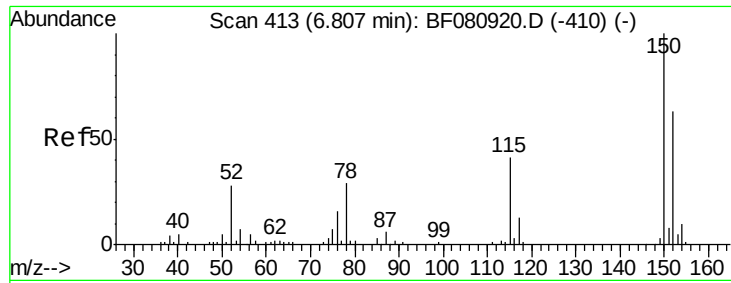
Manual Integrations
 APPROVED

MMDadoda
 8/14/2015 3:08:52 PM

Quant Time: Aug 14 07:32:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	45309	27.64	nq	99
43) 2,4,5-Trichlorophenol	9.08	196	38065	23.04	nq #	72
45) 1,1'-Biphenyl	9.22	154	255741	41.07	nq	99
46) 2-Chloronaphthalene	9.24	162	143408	29.54	nq	97
47) 2-Nitroaniline	9.34	65	77768	39.95	nq	98
48) Acenaphthylene	9.65	152	251369	29.78	nq	98
49) Dimethylphthalate	9.53	163	192118	31.88	nq	100
50) 2,6-Dinitrotoluene	9.58	165	40080	32.19	nq	90
51) Acenaphthene	9.82	154	217824	42.14	nq	99
52) 3-Nitroaniline	9.74	138	25254	16.45	nq #	83
53) 2,4-Dinitrophenol	9.86	184	48199	64.97	nq #	70
54) Dibenzofuran	10.00	168	286963	41.06	nq	92
55) 4-Nitrophenol	9.93	139	28258	24.59	nq #	39
56) 2,4-Dinitrotoluene	9.98	165	74907	44.96	nq #	90
57) Fluorene	10.34	166	210784	38.99	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.12	232	44977	34.41	nq #	79
59) Diethylphthalate	10.21	149	210907	33.62	nq	98
60) 4-Chlorophenyl-phenylether	10.33	204	72671	27.59	nq	90
61) 4-Nitroaniline	10.36	138	42901	27.16	nq #	85
62) Azobenzene	10.49	77	208488	29.72	nq	91
64) 4,6-Dinitro-2-methylphenol	10.38	198	23486	34.77	nq #	39
65) n-Nitrosodiphenylamine	10.45	169	171448	45.27	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	56729	49.14	nq #	90
67) Hexachlorobenzene	10.89	284	53760	41.88	nq #	95
68) Atrazine	11.00	200	43754	39.41	nq	98
69) Pentachlorophenol	11.08	266	50049	67.06	nq	96
70) Phenanthrene	11.29	178	272387	44.13	nq	99
71) Anthracene	11.34	178	283131m	46.33	nq	
72) Carbazole	11.50	167	520607	87.50	nq #	96
73) Di-n-butylphthalate	11.84	149	404574	54.38	nq	99
74) Fluoranthene	12.48	202	368890	55.29	nq	97
77) Pyrene	12.70	202	305691	33.81	nq	99
79) Butylbenzylphthalate	13.32	149	119838	27.50	nq #	59
80) Benzo(a)anthracene	13.88	228	300916	38.93	nq	100
81) 3,3'-Dichlorobenzidine	13.85	252	35041	12.46	nq #	95
82) Chrysene	13.92	228	212419	28.70	nq	99
83) Bis(2-ethylhexyl)phthalate	13.88	149	218960	36.11	nq #	93
84) Di-n-octyl phthalate	14.50	149	272095	26.46	nq	96
85) Indeno(1,2,3-cd)pyrene	16.59	276	202988	28.82	nq	100
87) Benzo(b)fluoranthene	14.89	252	226188m	56.26	nq	
88) Benzo(k)fluoranthene	14.91	252	208406m	59.26	nq	
89) Benzo(a)pyrene	15.22	252	168246	48.69	nq	99
90) Dibenzo(a,h)anthracene	16.60	278	168229	55.05	nq	97
91) Benzo(g,h,i)perylene	16.98	276	164151	55.22	nq	99

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



#1

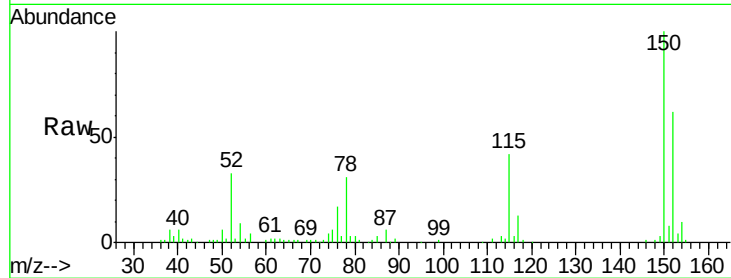
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

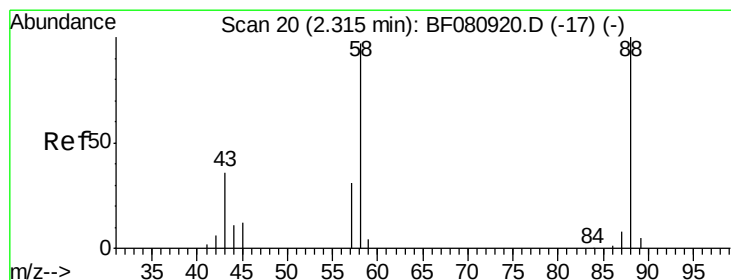
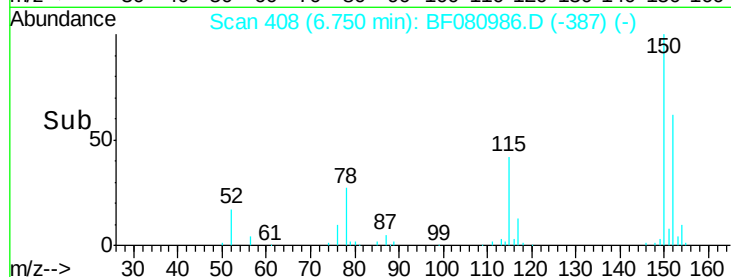
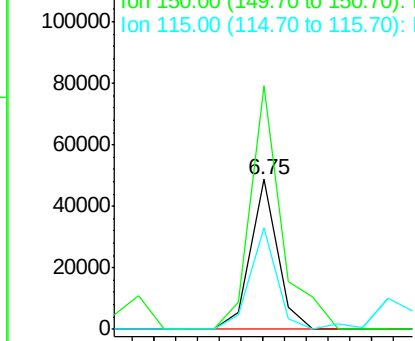
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	127.4	191.2
115	67.9	52.6	78.8

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



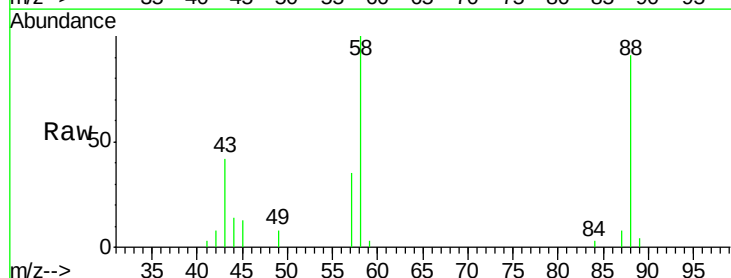
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



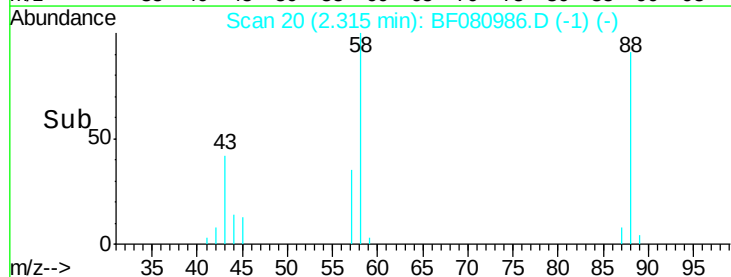
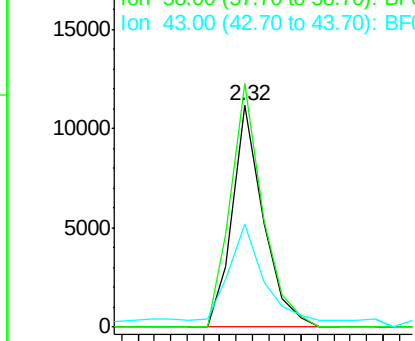
#2

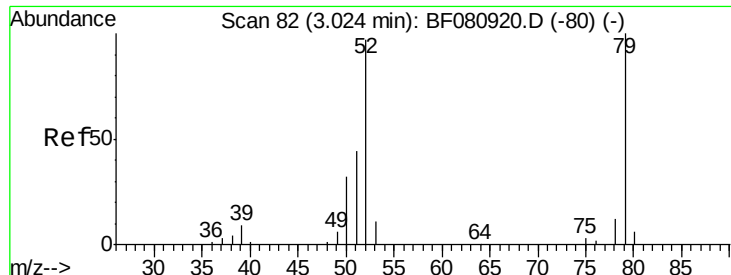
1,4-Dioxane
Concen: 11.97 ng
RT: 2.32 min Scan# 20
Delta R.T. -0.00 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	114.1	79.3	118.9
43	64.1	28.3	42.5



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





#3

Pvridine

Concen: 13.03 ng

RT: 3.01 min Scan# 81

Delta R.T. -0.01 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

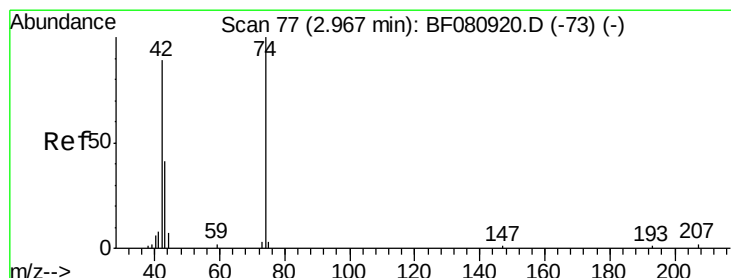
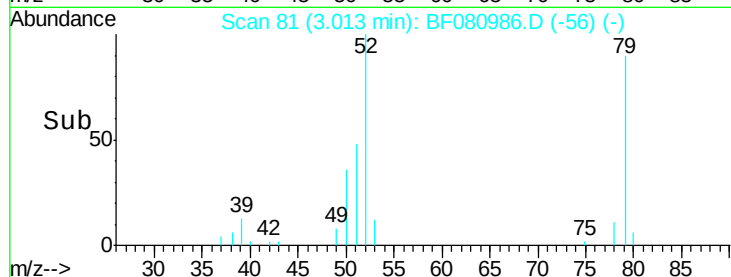
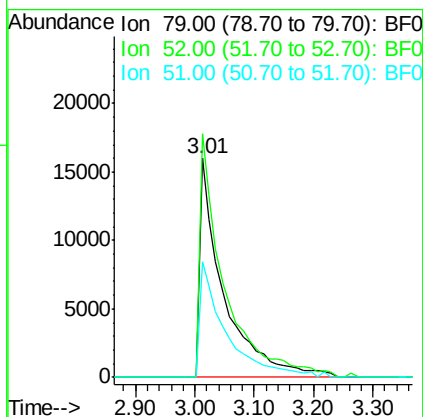
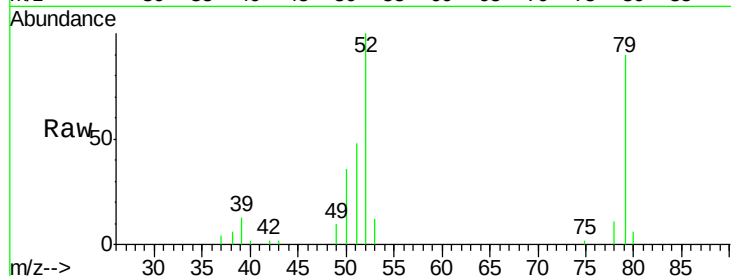
ClientSampleId :

S-A(2)MS

Tot Ion:	79	Resp:	45305
Ion	Ratio	Lower	Upper
79	100		
52	111.1	77.2	115.8
51	52.8	35.0	52.4#

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#4

n-Nitrosodimethylamine

Concen: 19.61 ng

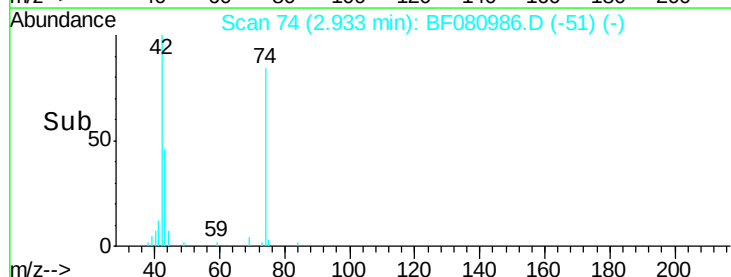
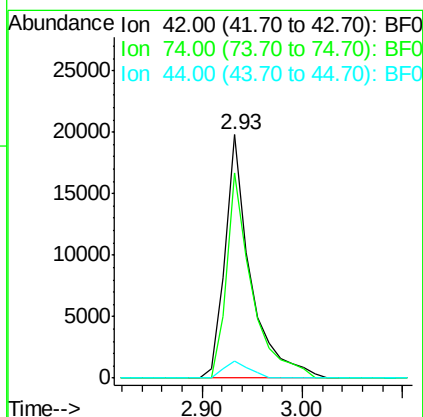
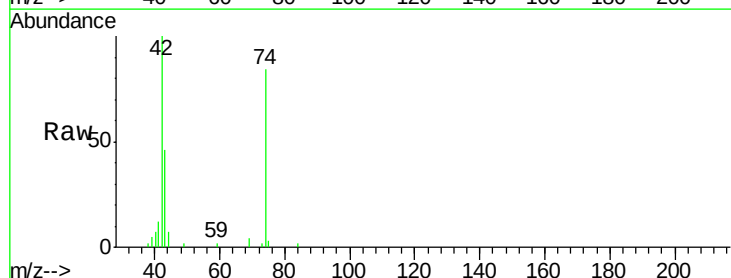
RT: 2.93 min Scan# 74

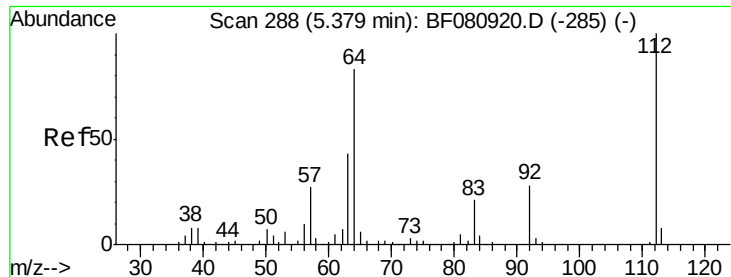
Delta R.T. -0.03 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	42	Resp:	34817
Ion	Ratio	Lower	Upper
42	100		
74	84.2	89.8	134.8#
44	7.2	6.5	9.7





#5

2-Fluorophenol

Concen: 49.66 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.05 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

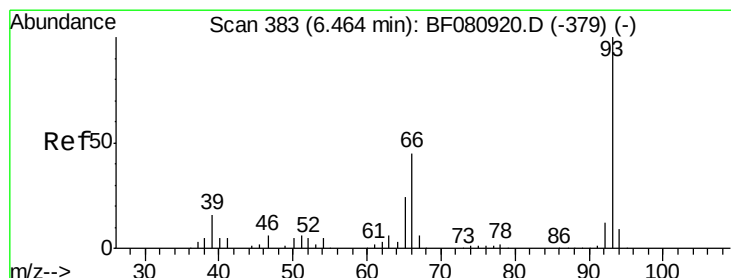
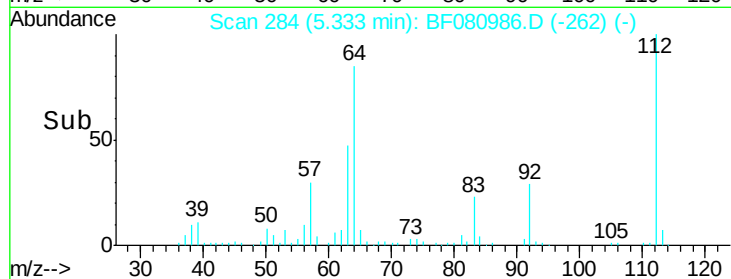
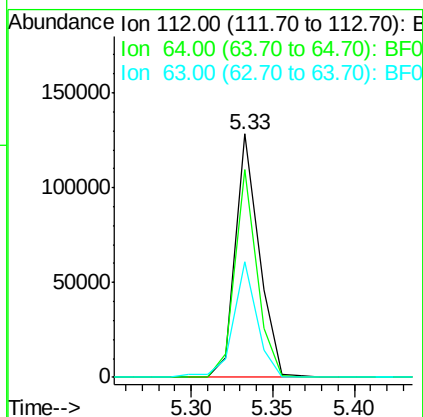
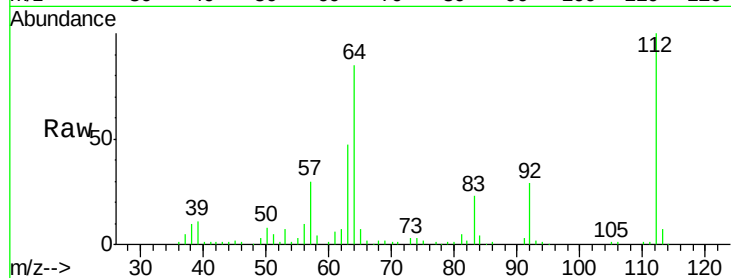
ClientSampleId :

S-A(2)MS

Tot Ion:	112	Resp:	128429
Ion Ratio	Lower	Upper	
112	100		
64	85.2	66.1	99.1
63	47.3	34.6	52.0

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#6

Aniline

Concen: 14.75 ng

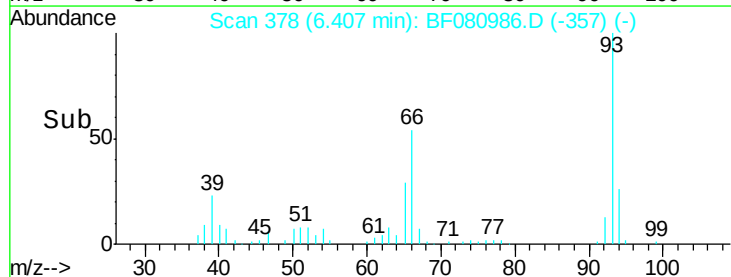
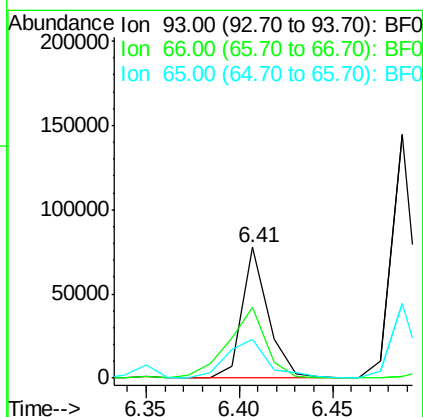
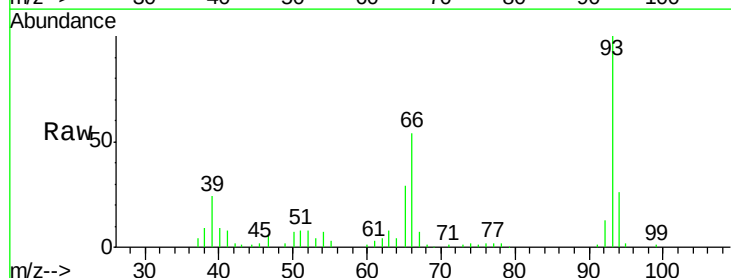
RT: 6.41 min Scan# 378

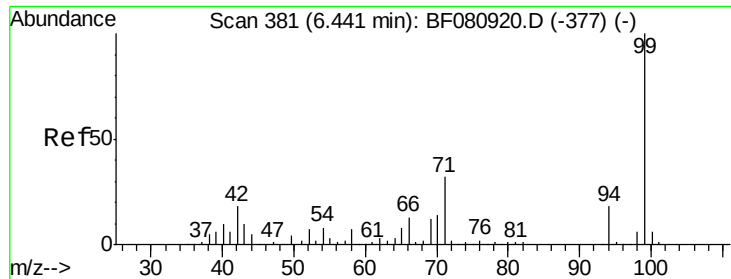
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	93	Resp:	76787
Ion Ratio	Lower	Upper	
93	100		
66	53.7	36.2	54.4
65	29.4	19.0	28.4





#7

Phenol-d6

Concen: 32.18 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

ClientSampleId :

S-A(2)MS

Tot Ion: 99 Resp: 114047
Ion Ratio Lower Upper

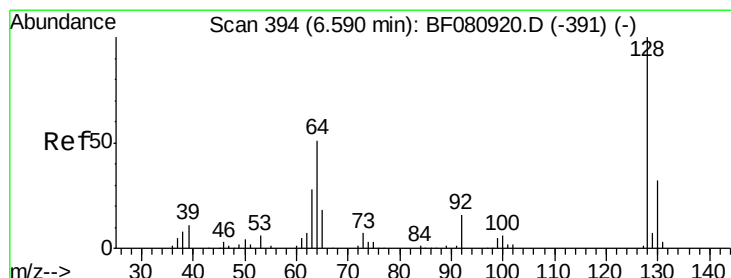
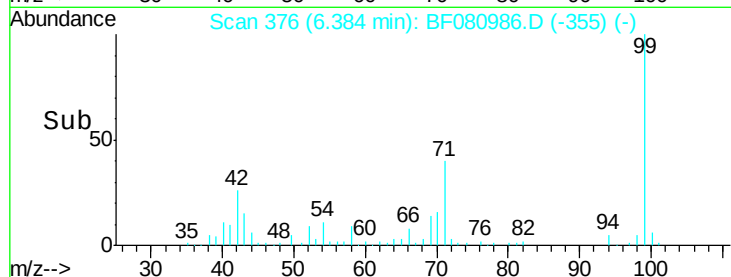
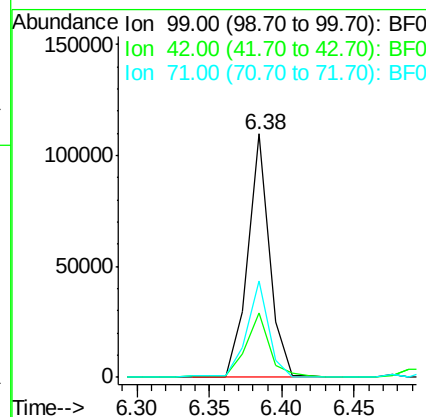
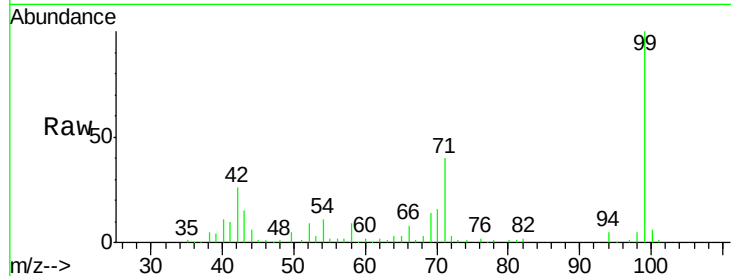
99 100

42 26.3 14.4 21.6#

71 39.7 25.8 38.8#

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#8

2-Chlorophenol

Concen: 29.77 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.06 min

Lab File: BF080986.D

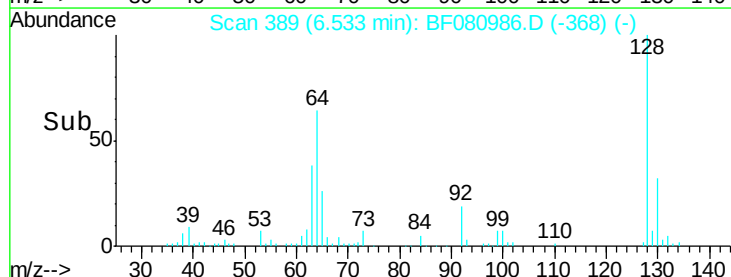
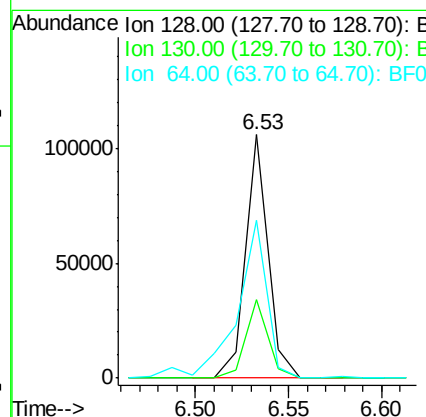
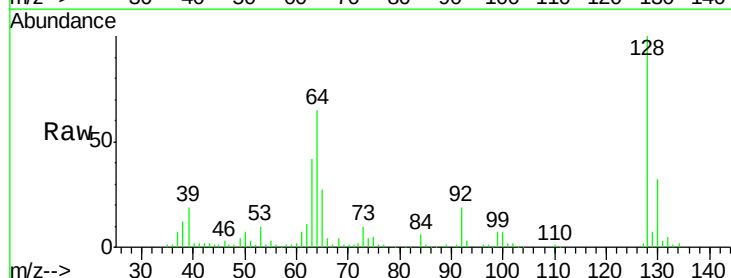
Acq: 13 Aug 2015 18:03

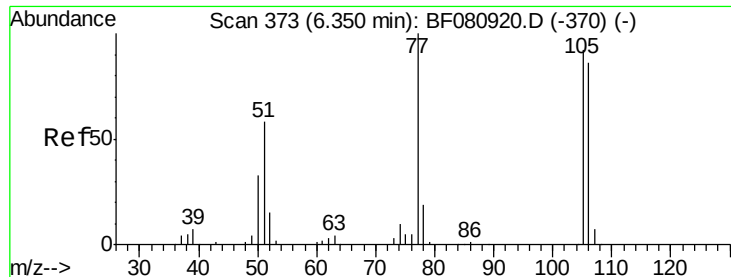
Tgt Ion: 128 Resp: 89070
Ion Ratio Lower Upper

128 100

130 32.1 12.4 52.4

64 64.6 32.1 72.1





#9

Benzaldehyde

Concen: 43.68 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

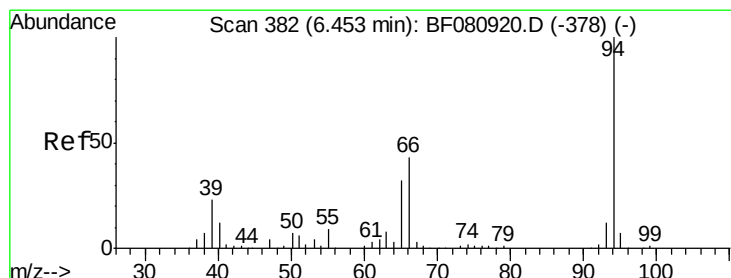
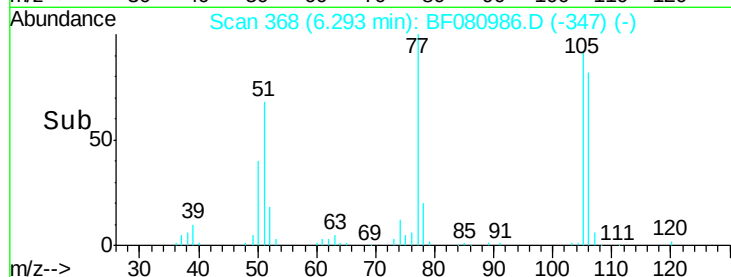
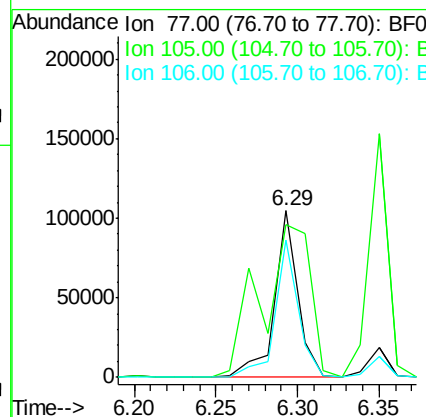
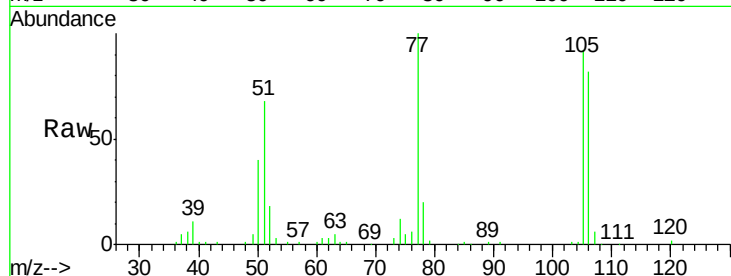
ClientSampleId :

S-A(2)MS

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM

Tot Ion:	77	Resp:	104333
Ion Ratio	Lower	Upper	
77	100		
105	92.1	71.6	111.6
106	82.3	65.7	105.7



#10

Phenol

Concen: 11.06 ng

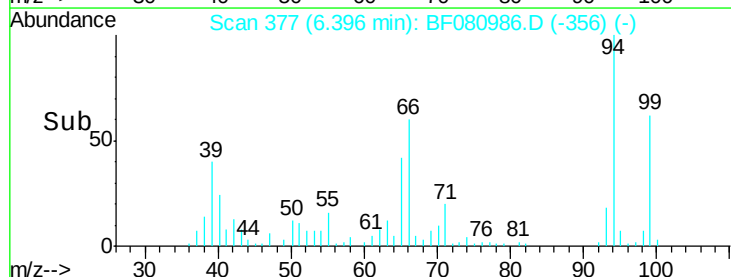
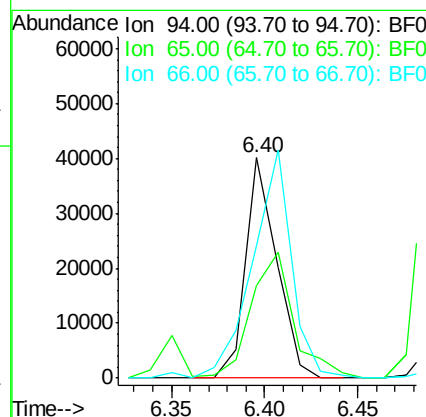
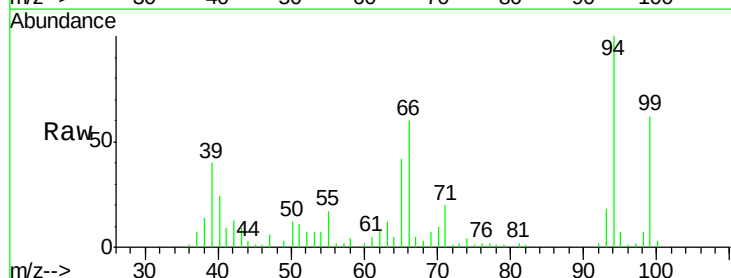
RT: 6.40 min Scan# 377

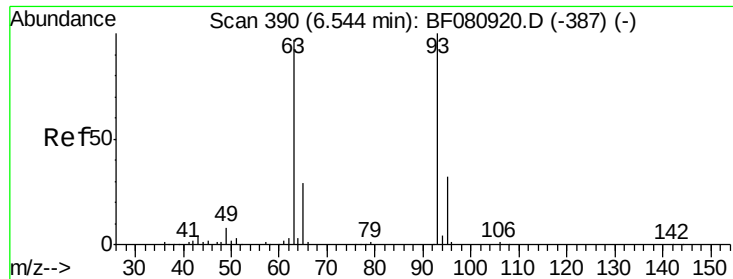
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	94	Resp:	46485
Ion Ratio	Lower	Upper	
94	100		
65	41.7	11.8	51.8
66	59.9	22.9	62.9





#11

bis(2-Chloroethyl)ether

Concen: 37.01 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

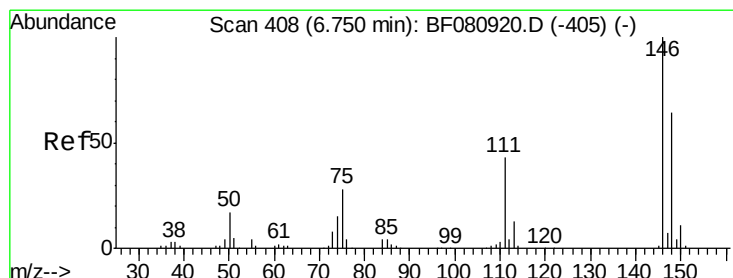
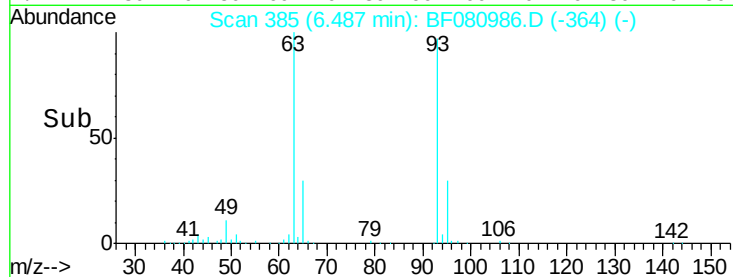
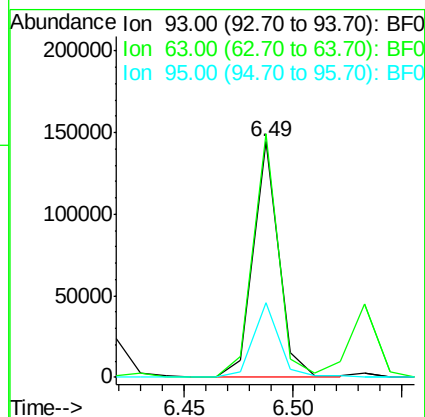
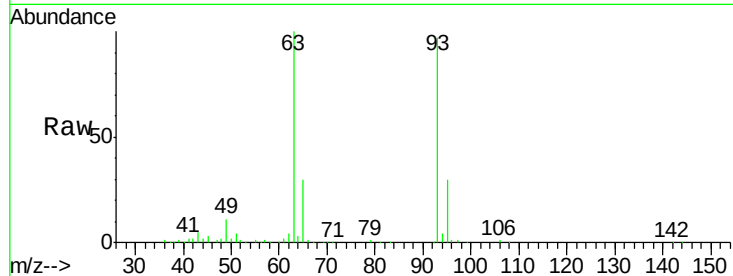
ClientSampleId :

S-A(2)MS

Tot Ion:	93	Resp:	116188
Ion Ratio	Lower	Upper	
93	100		
63	103.3	76.7	116.7
95	31.5	12.3	52.3

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#12

1,3-Dichlorobenzene

Concen: 32.83 ng

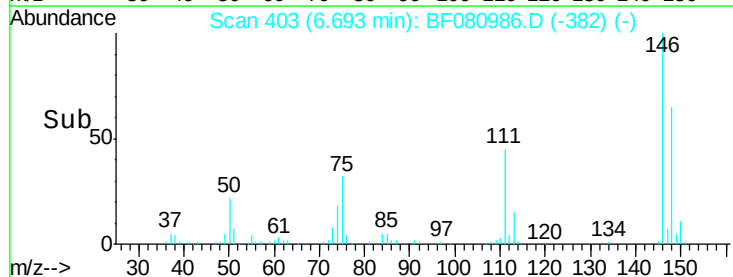
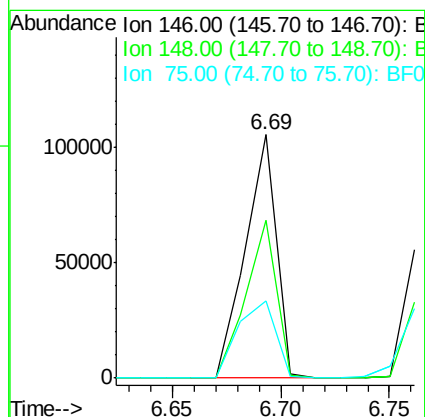
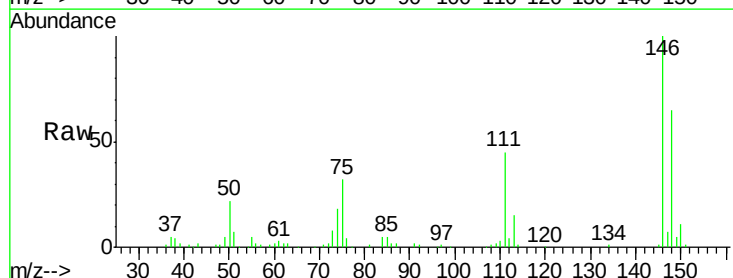
RT: 6.69 min Scan# 403

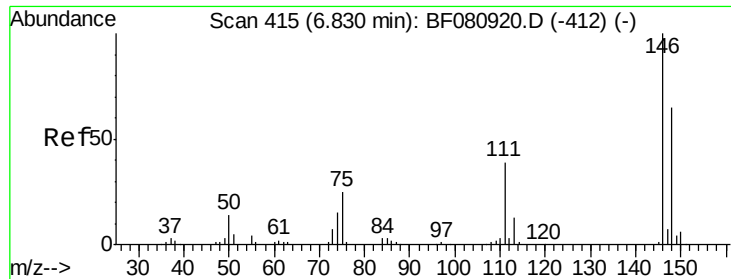
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	146	Resp:	104240
Ion Ratio	Lower	Upper	
146	100		
148	64.9	51.4	77.0
75	31.6	22.2	33.4





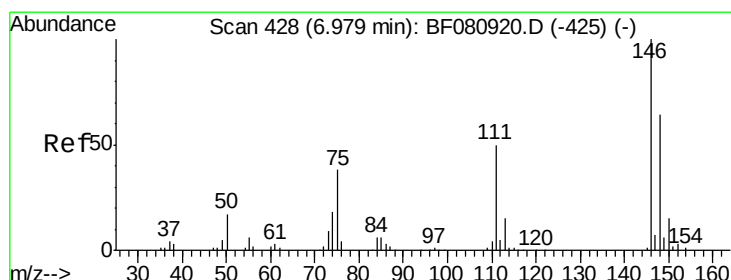
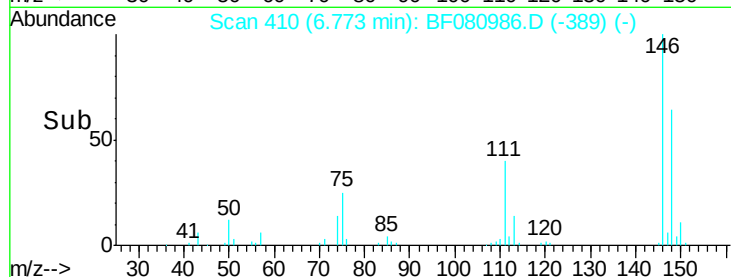
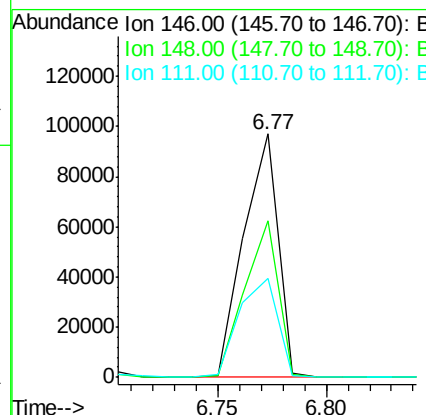
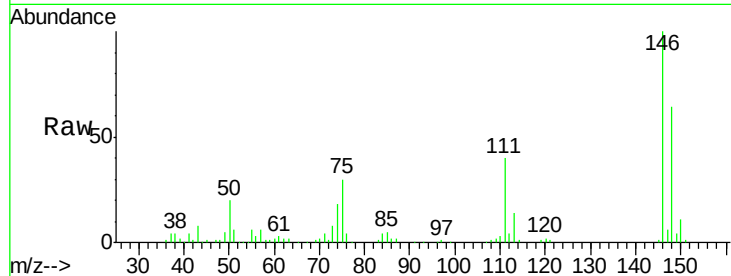
#13
 1,4-Dichlorobenzene
 Concen: 32.15 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.2	78.4
111	40.4	31.5	47.3

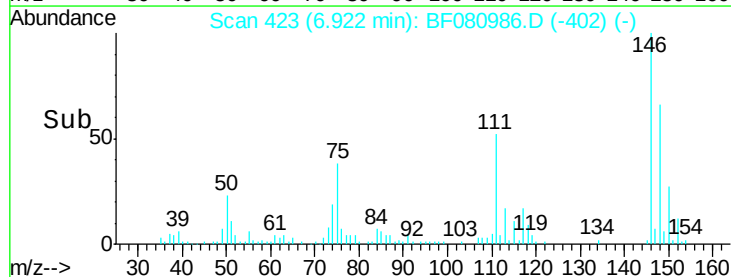
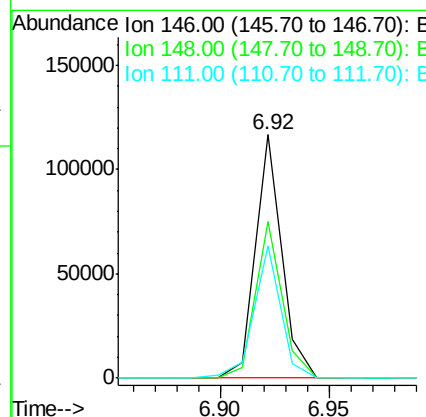
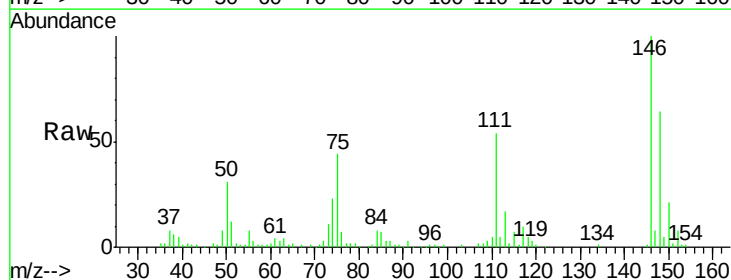
Manual Integrations
 APPROVED

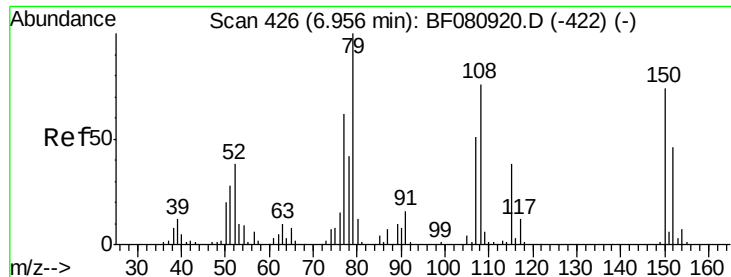
MMDadoda
 8/14/2015 3:08:52 PM



#14
 1,2-Dichlorobenzene
 Concen: 32.99 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.1	76.7
111	54.2	40.0	60.0





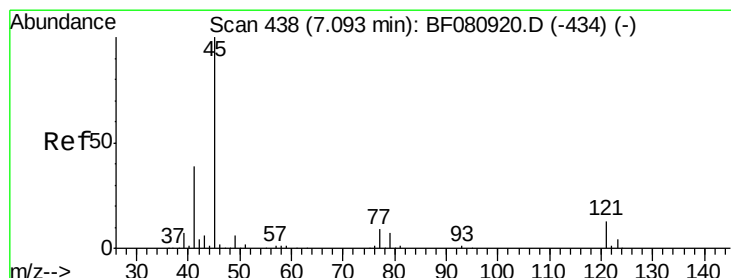
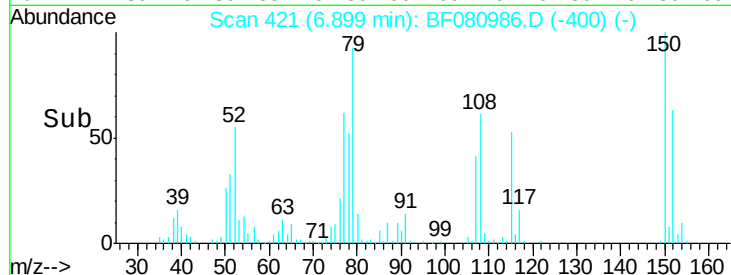
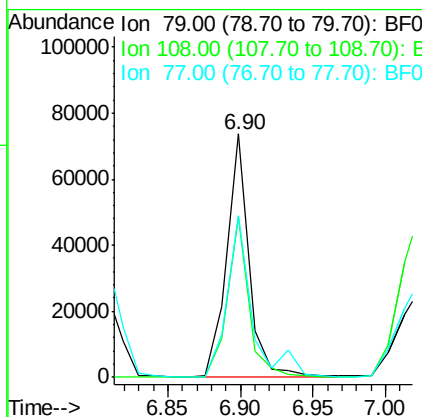
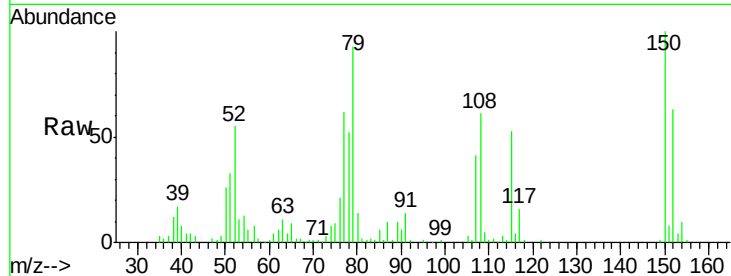
#15
Benzyl Alcohol
Concen: 27.38 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampled :
S-A(2)MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	66.0	60.9	91.3
77	66.6	49.4	74.0

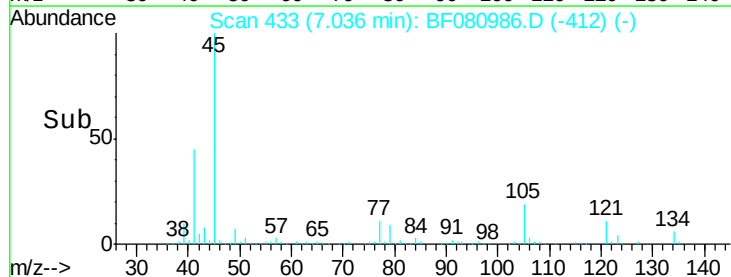
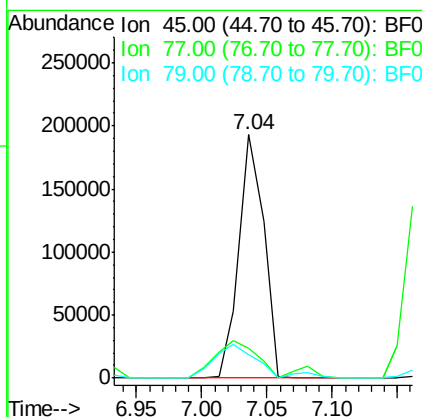
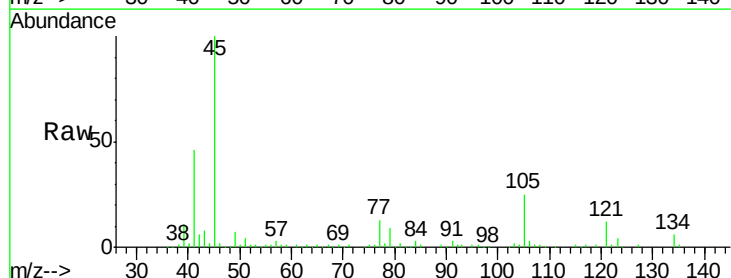
Manual Integrations
APPROVED

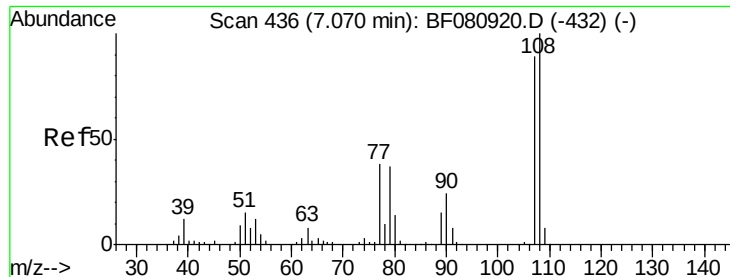
MMDadoda
8/14/2015 3:08:52 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.72 ng
RT: 7.04 min Scan# 433
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	29.6
79	9.4	0.0	27.7





#17

2-Methylphenol

Concen: 24.39 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.05 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

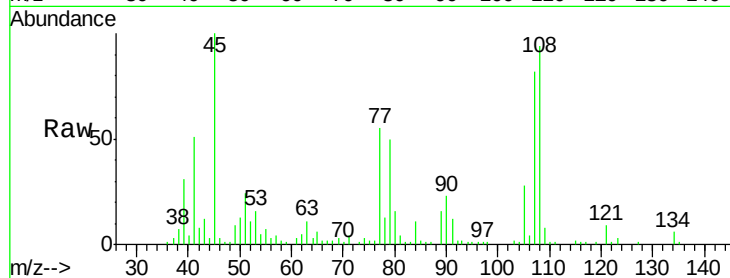
ClientSampled :

S-A(2)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	62291		
108	114.4	90.3	135.5	
77	66.9	34.6	51.8	
79	61.2	33.6	50.4	

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



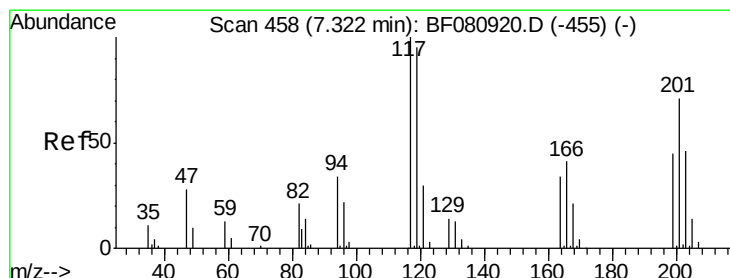
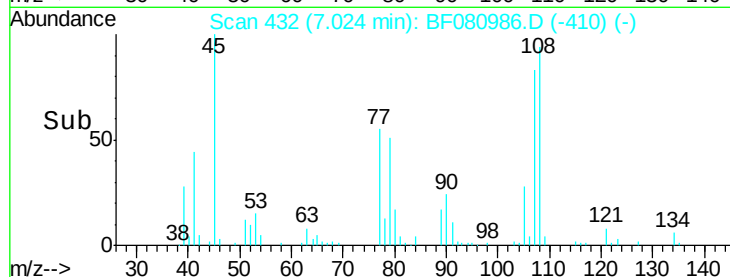
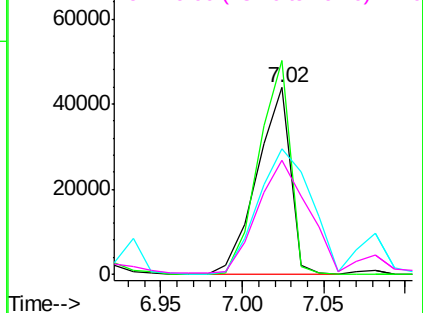
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 64.74 ng

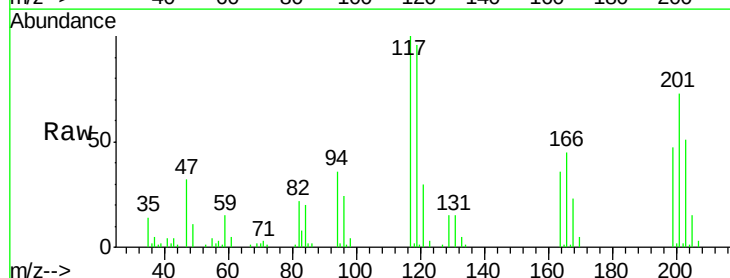
RT: 7.26 min Scan# 453

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	81852		
119	96.3	76.3	114.5	
201	73.4	57.0	85.6	

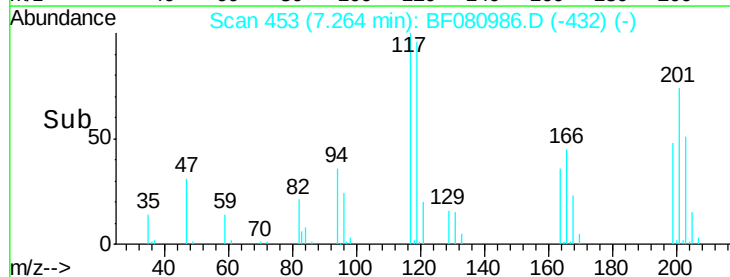
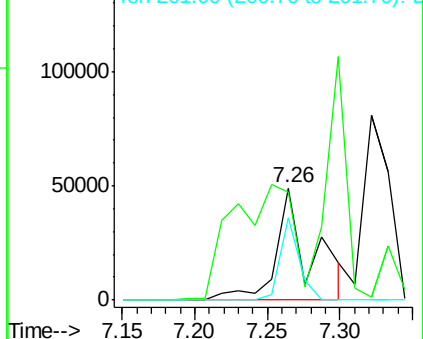


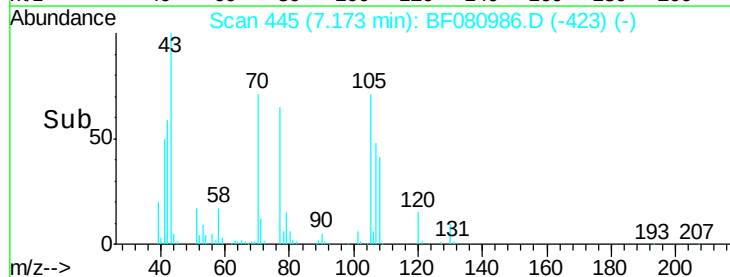
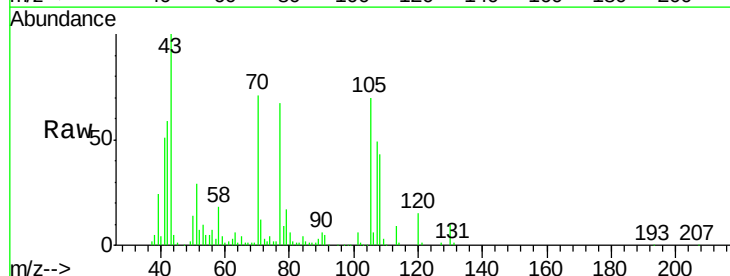
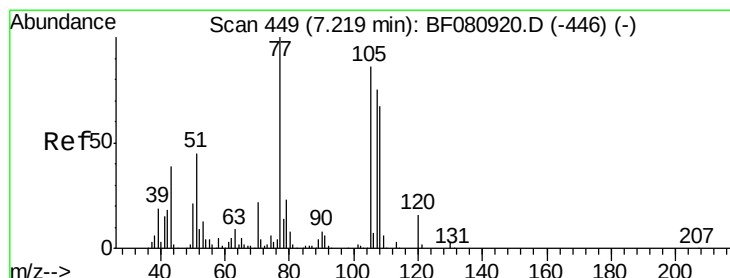
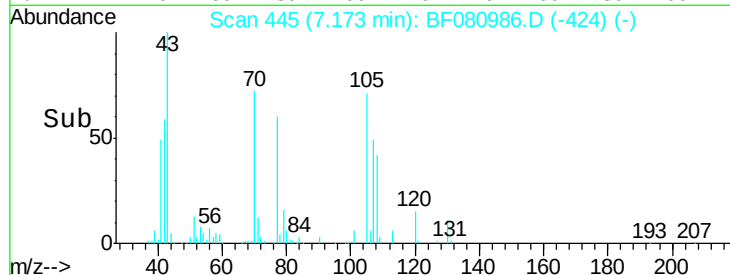
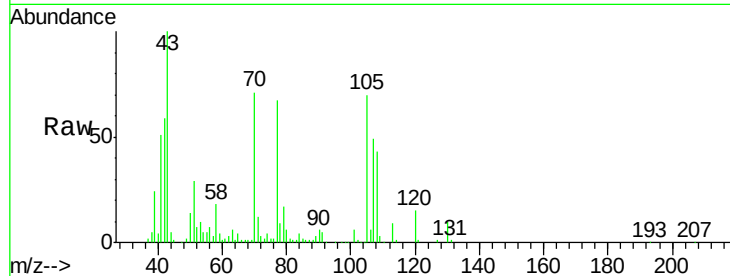
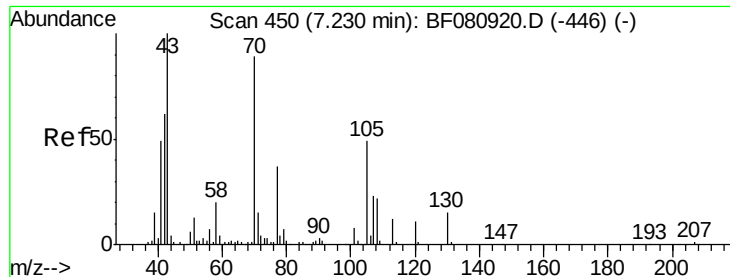
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





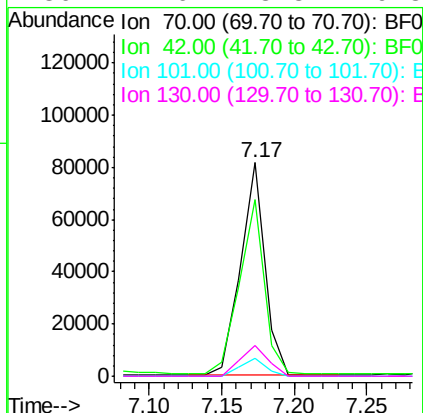
#19
n-Nitroso-di-n-propylamine
Concen: 36.85 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	82.6	55.7	83.5	
101	8.4	7.0	10.6	
130	14.6	13.8	20.8	

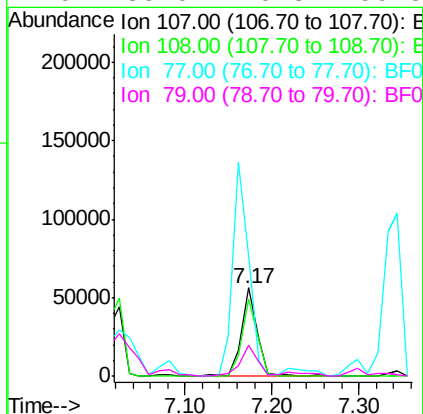
Manual Integrations
APPROVED

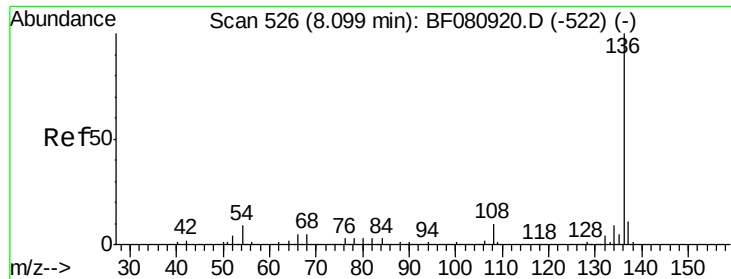
MMDadoda
8/14/2015 3:08:52 PM



#20
3+4-Methylphenols
Concen: 22.03 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.05 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.4	69.2	109.2	
77	136.8	113.0	153.0	
79	35.0	10.3	50.3	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

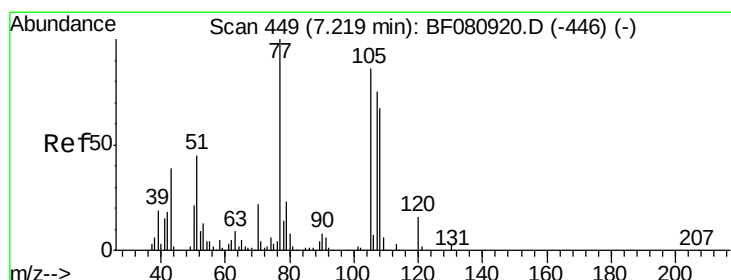
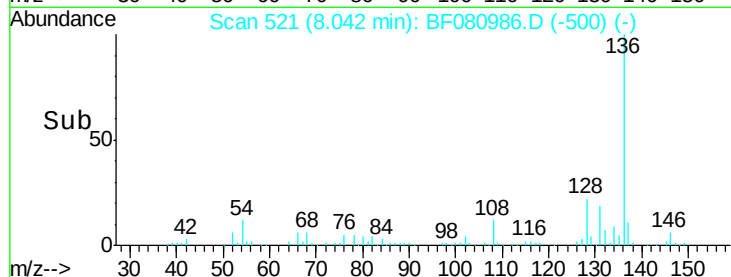
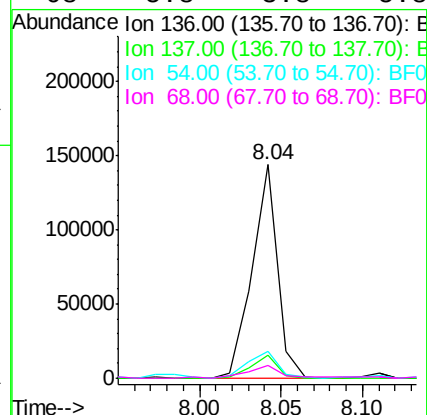
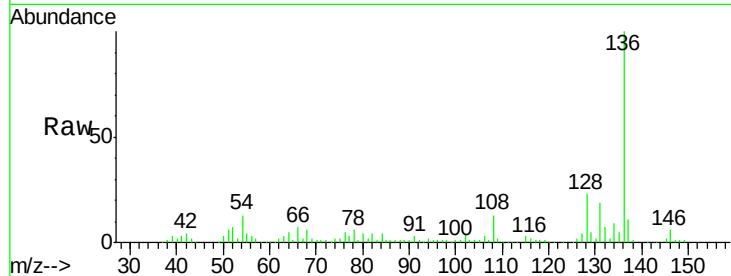
ClientSampleId :

S-A(2)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		154758		
137	11.0	8.5	12.7		
54	12.5	7.1	10.7		
68	5.8	3.8	5.8		

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#22

Acetophenone

Concen: 47.83 ng

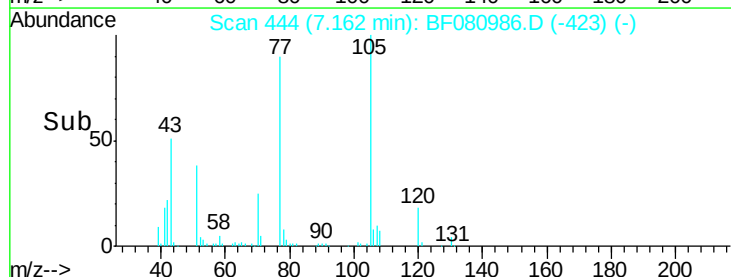
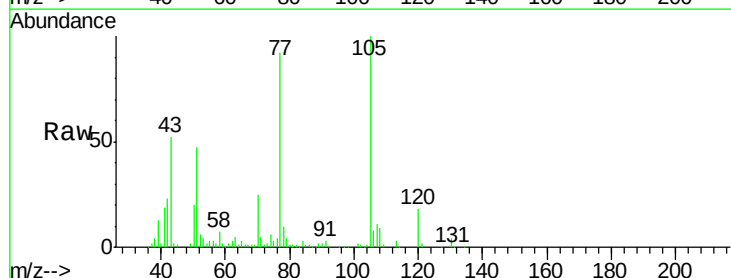
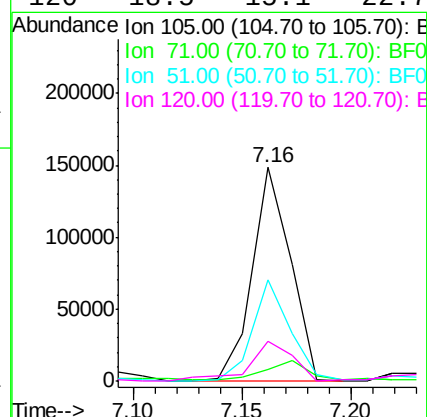
RT: 7.16 min Scan# 444

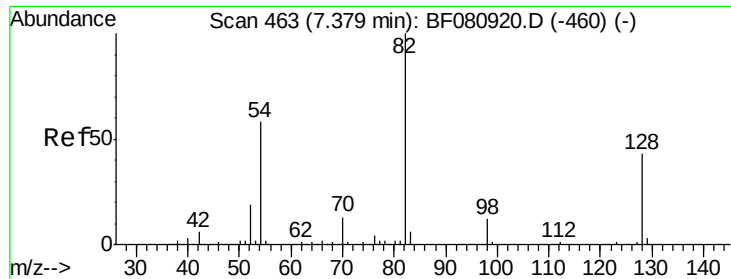
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		181387		
71	5.2	3.3	4.9		
51	47.2	41.8	62.6		
120	18.5	15.1	22.7		





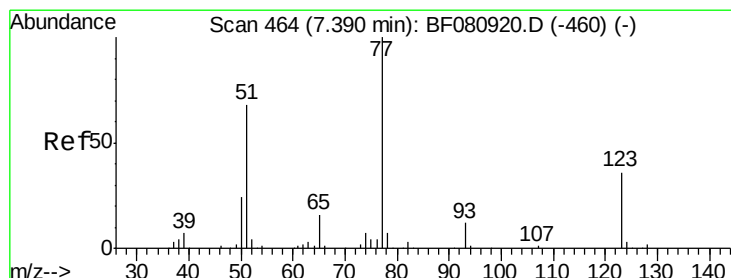
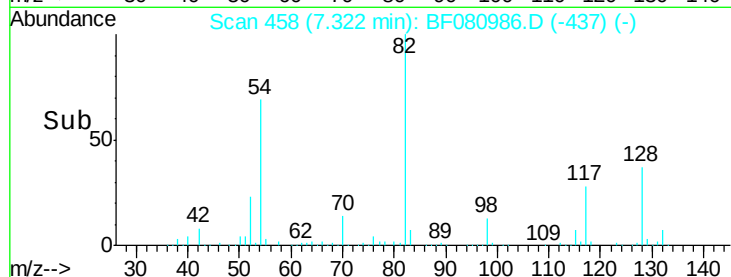
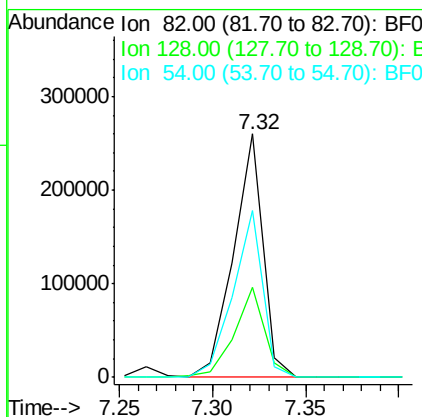
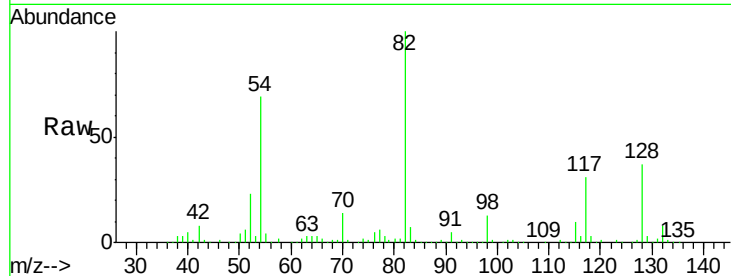
#23
Nitrobenzene-d5
Concen: 87.92 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	287663		
128	36.9	34.1	51.1	
54	68.6	46.5	69.7	

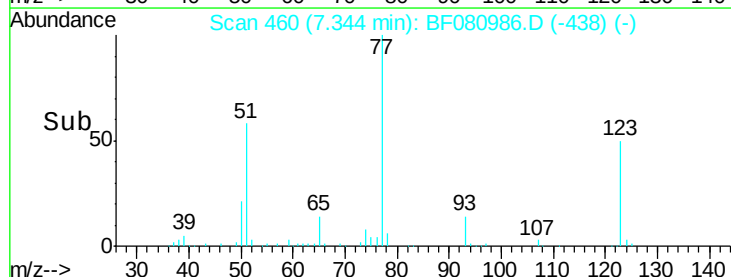
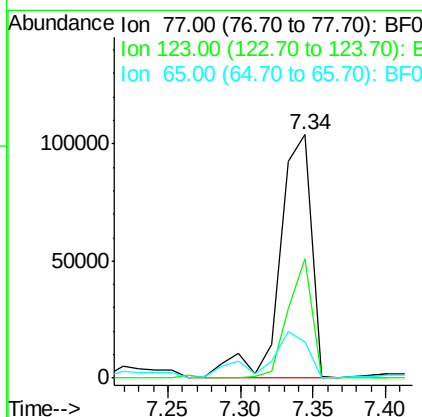
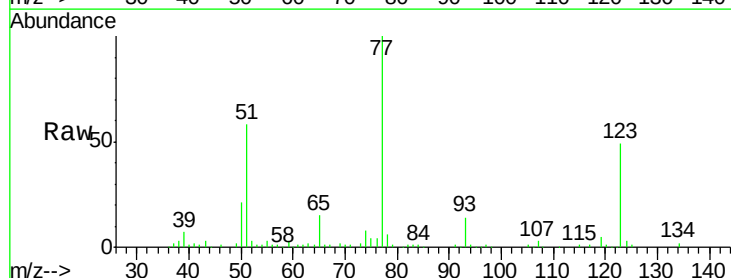
Manual Integrations
APPROVED

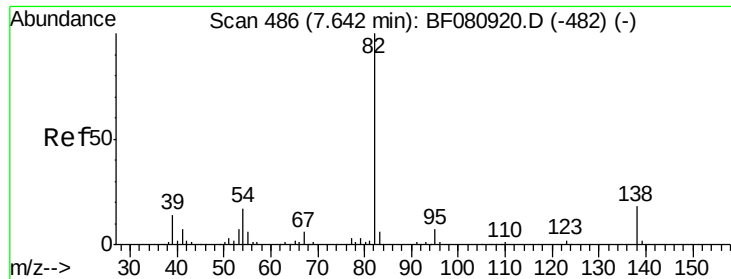
MMDadoda
8/14/2015 3:08:52 PM



#24
Nitrobenzene
Concen: 47.01 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.05 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	158372		
123	49.2	28.7	43.1#	
65	14.8	12.5	18.7	





#25

Isophorone

Concen: 42.21 ng

RT: 7.58 min Scan# 481

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

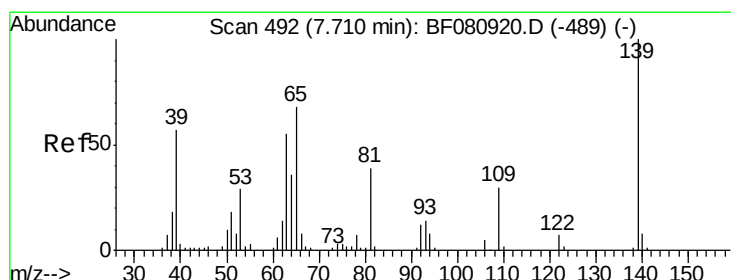
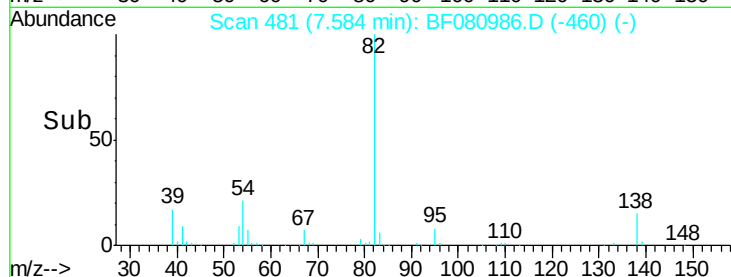
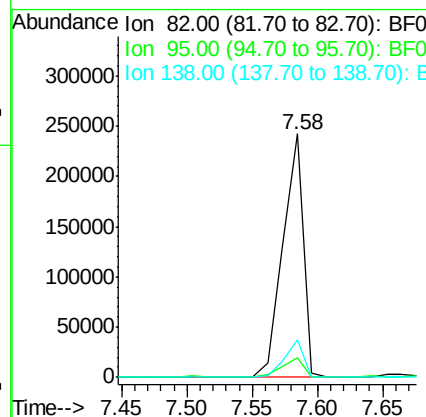
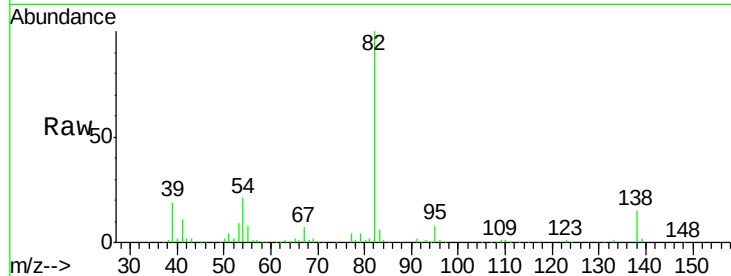
ClientSampleId :

S-A(2)MS

Tot Ion:	82	Resp:	265573
Ion Ratio	Lower	Upper	
82	100		
95	8.1	5.8	8.6
138	15.3	14.1	21.1

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#26

2-Nitrophenol

Concen: 33.11 ng

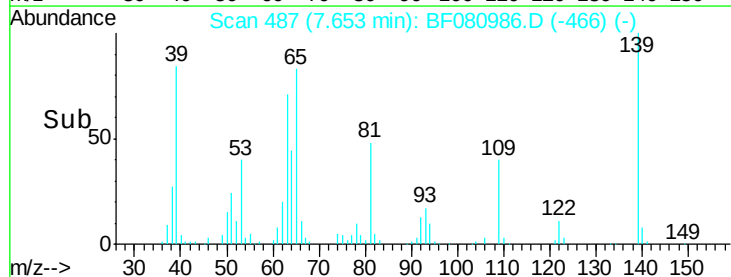
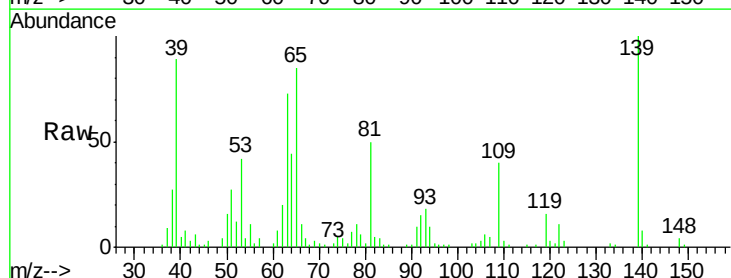
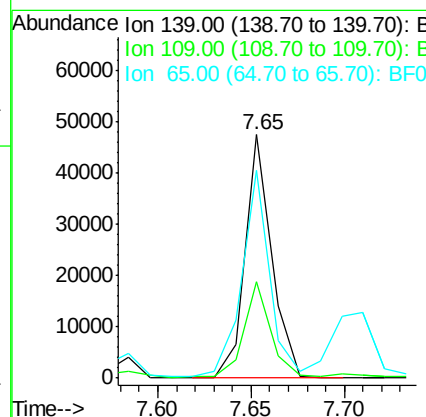
RT: 7.65 min Scan# 487

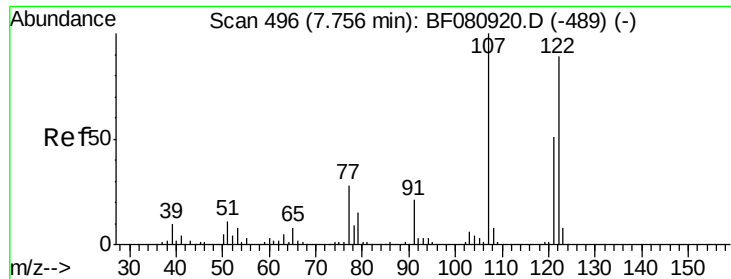
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	139	Resp:	46934
Ion Ratio	Lower	Upper	
139	100		
109	39.6	24.1	36.1#
65	85.3	54.0	81.0#





#27

2,4-Dimethylphenol

Concen: 30.22 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

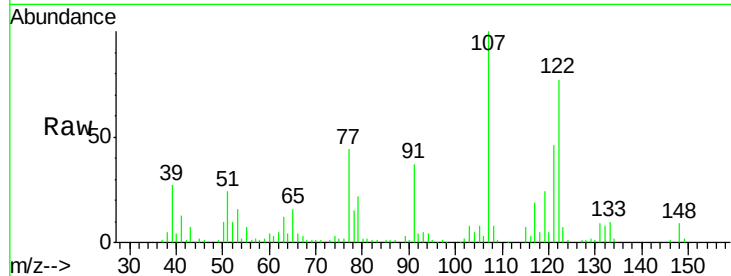
ClientSampled :

S-A(2)MS

Tot Ion:	122	Resp:	80207
Ion Ratio	Lower	Upper	
122	100		
107	130.4	90.2	135.4
121	60.4	46.0	69.0

Manual Integrations
APPROVED

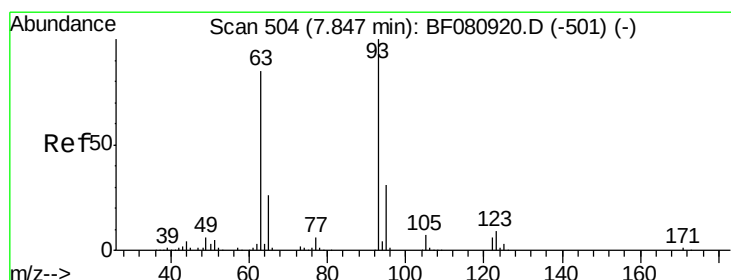
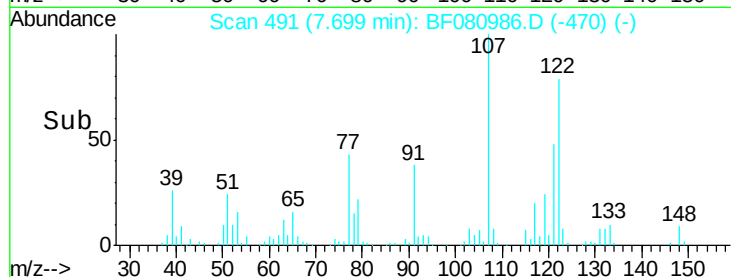
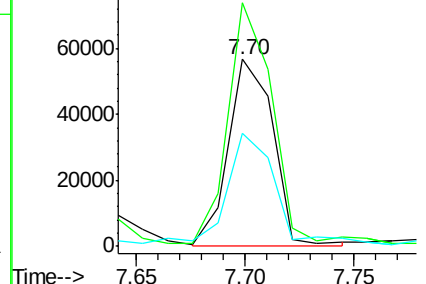
MMDadoda
8/14/2015 3:08:52 PM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 42.11 ng

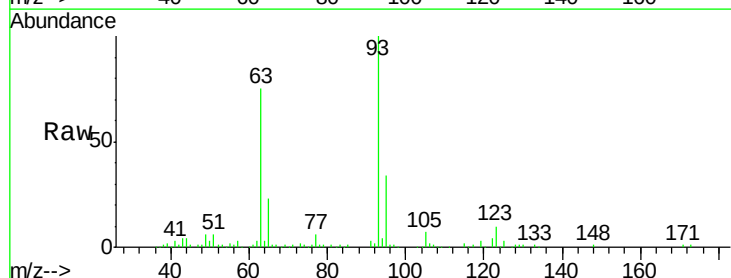
RT: 7.80 min Scan# 500

Delta R.T. -0.05 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

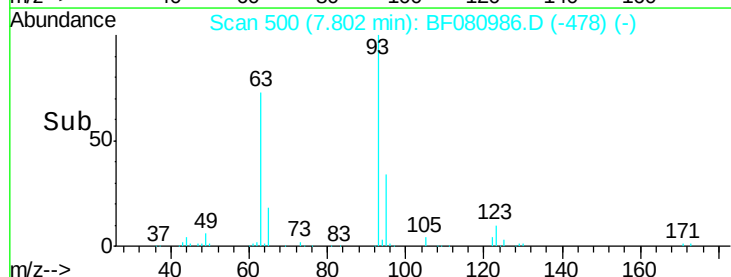
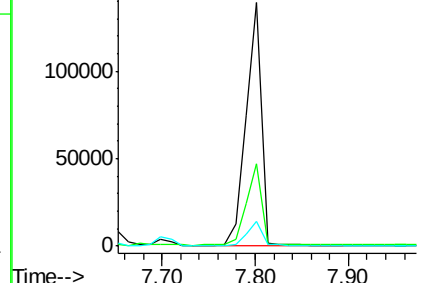
Tgt Ion:	93	Resp:	159078
Ion Ratio	Lower	Upper	
93	100		
95	33.7	25.0	37.4
123	9.9	7.4	11.0

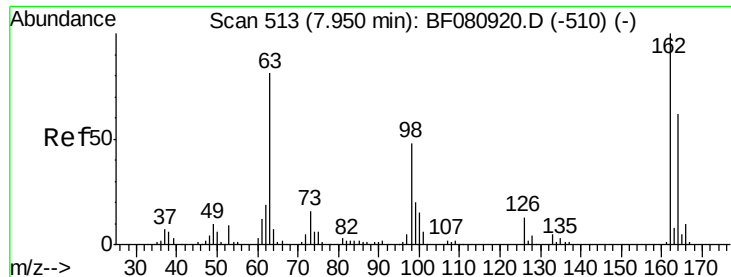


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





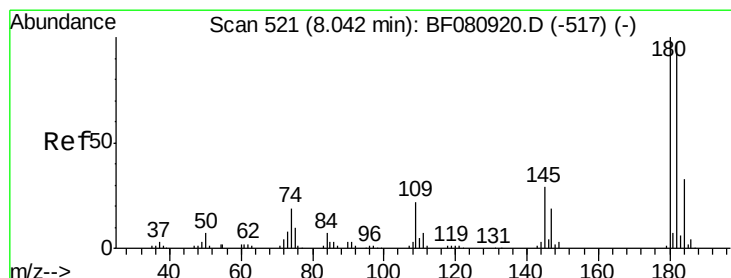
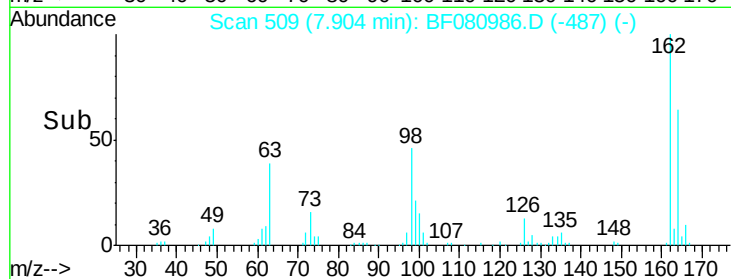
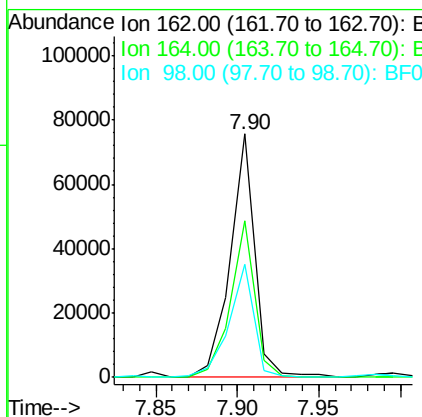
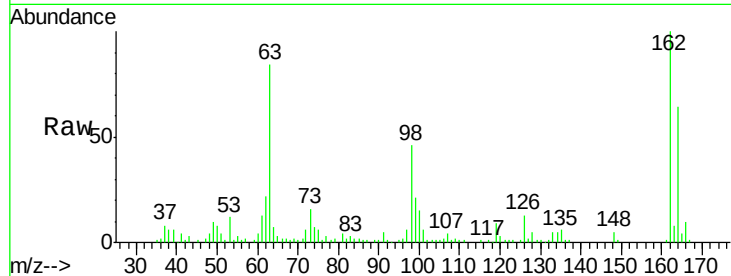
#29
 2,4-Dichlorophenol
 Concen: 36.09 ng
 RT: 7.90 min Scan# 509
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampled :
 S-A(2)MS

Tot Ion:	162	Resp:	78704
Ion Ratio	Lower	Upper	
162	100		
164	64.2	42.3	82.3
98	46.4	27.7	67.7

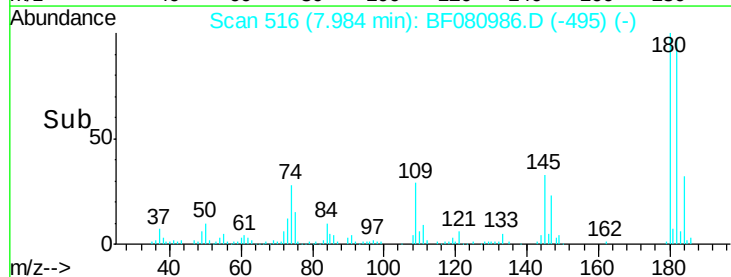
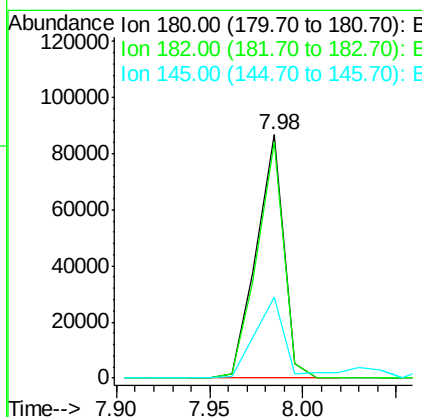
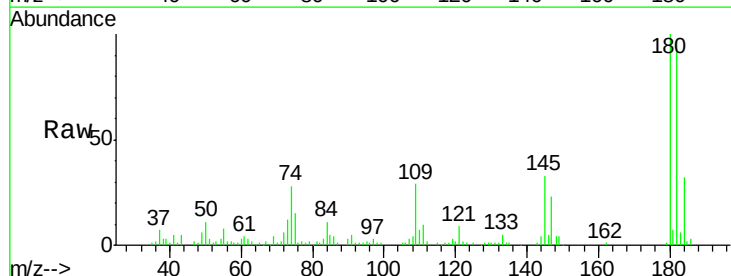
Manual Integrations
 APPROVED

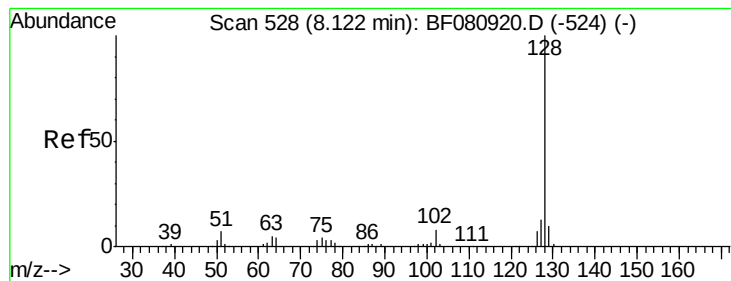
MMDadoda
 8/14/2015 3:08:52 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 37.62 ng
 RT: 7.98 min Scan# 516
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion:	180	Resp:	89676
Ion Ratio	Lower	Upper	
180	100		
182	96.7	77.4	116.0
145	33.1	23.2	34.8





#31

Naphthalene

Concen: 111.64 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

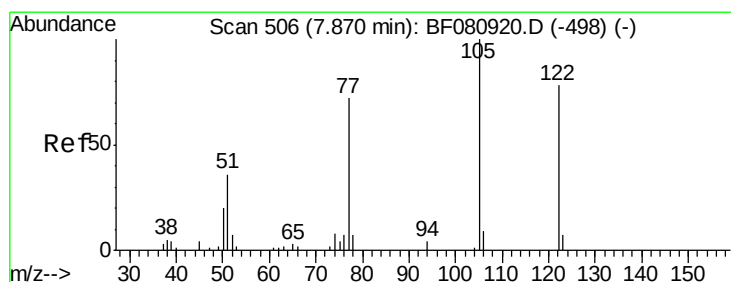
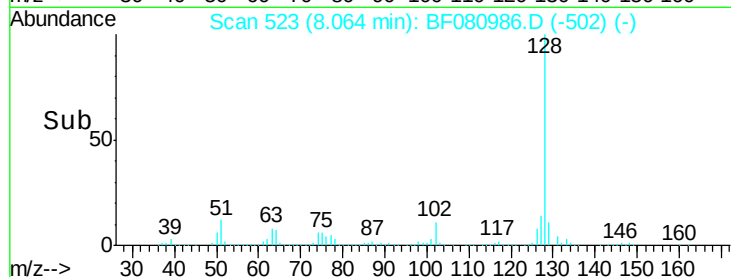
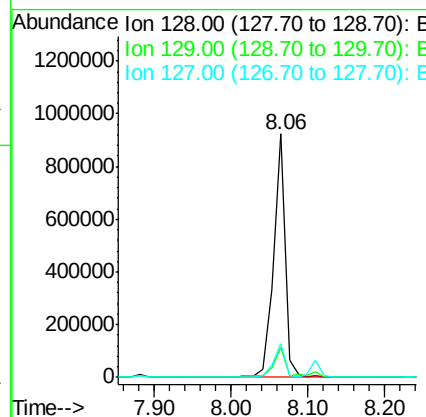
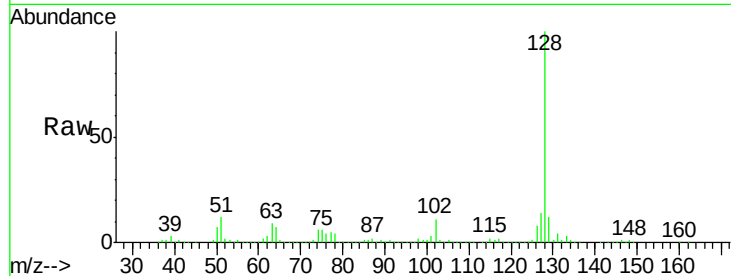
ClientSampleId :

S-A(2)MS

Tot Ion:	128	Resp:	952359
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.4	12.6
127	14.1	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#32

Benzoic acid

Concen: 13.30 ng

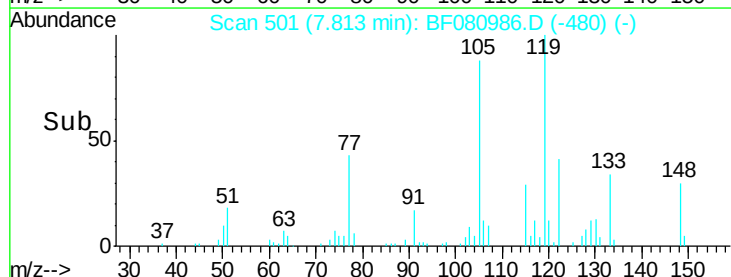
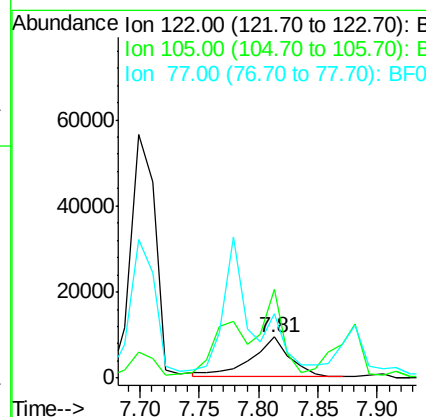
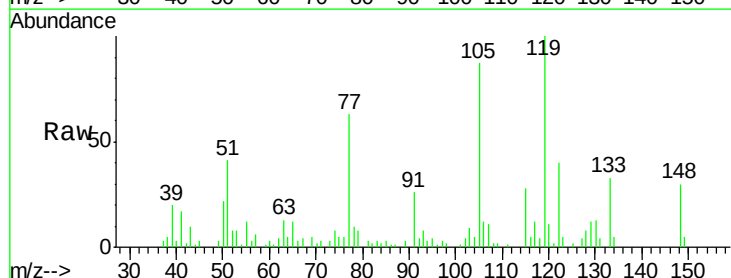
RT: 7.81 min Scan# 501

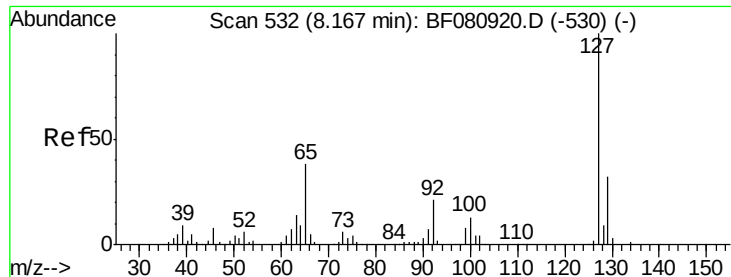
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	122	Resp:	21133
Ion Ratio	Lower	Upper	
122	100		
105	218.4	103.6	143.6#
77	157.4	70.4	110.4#





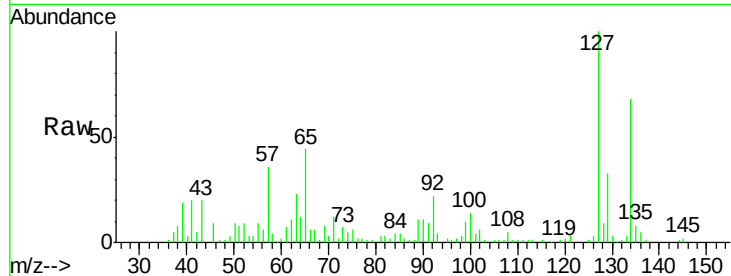
#33
4-Chloroaniline
Concen: 15.91 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

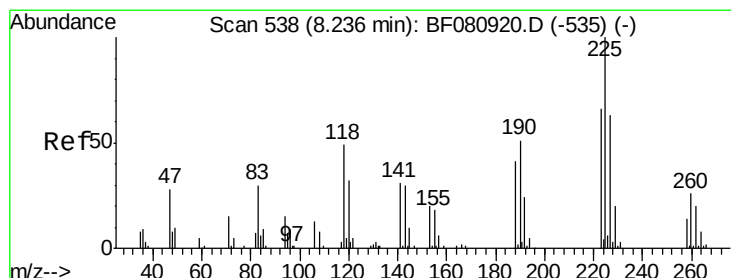
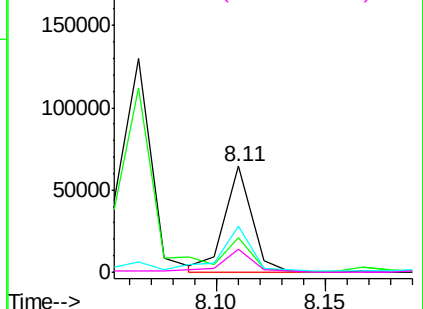
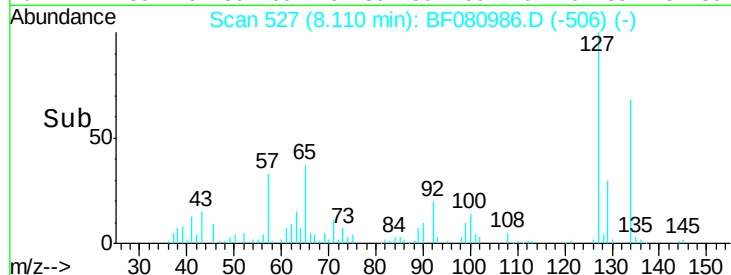
Tot Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.9	38.9
65	43.8	30.6	45.8
92	22.3	16.9	25.3

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM

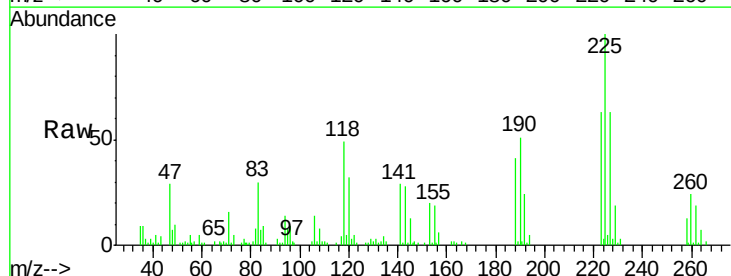


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

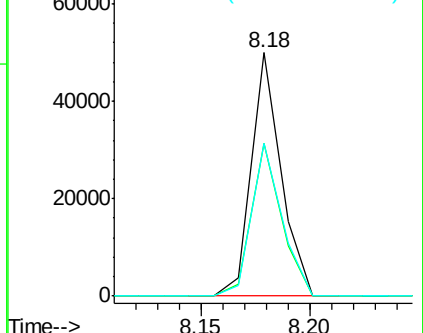
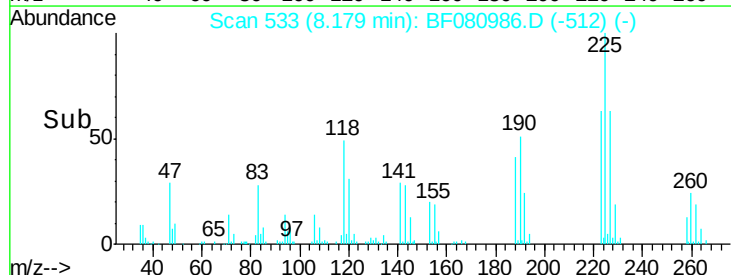


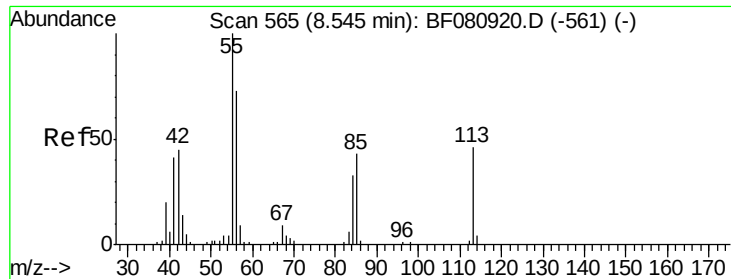
#34
Hexachlorobutadiene
Concen: 33.36 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	52.5	78.7
227	62.5	50.3	75.5



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 8.59 ng/ml

RT: 8.54 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

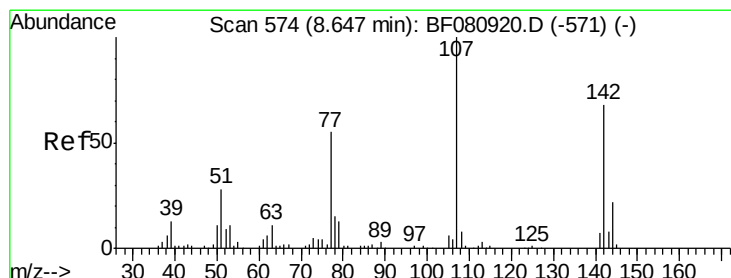
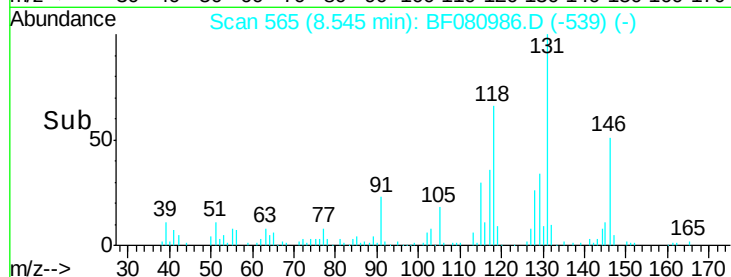
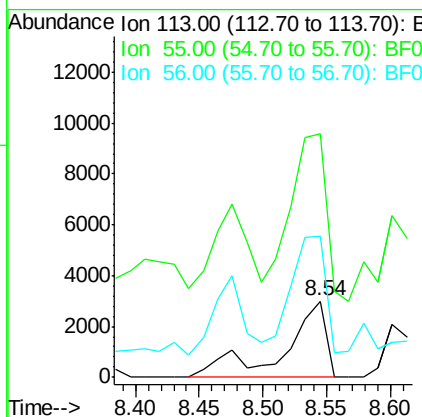
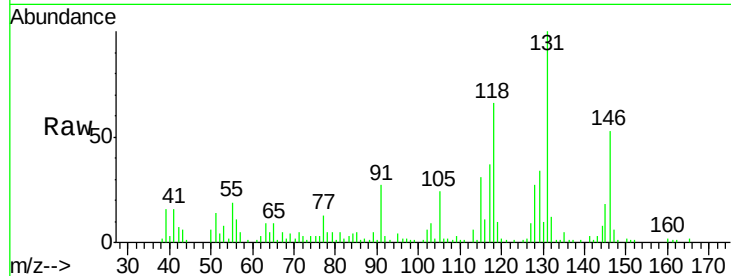
ClientSampleId :

S-A(2)MS

Tot Ion:	113	Resp:	6736
Ion Ratio	Lower	Upper	
113	100		
55	320.4	196.4	236.4#
56	185.8	137.9	177.9#

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#36

4-Chloro-3-methylphenol

Concen: 30.95 ng/ml

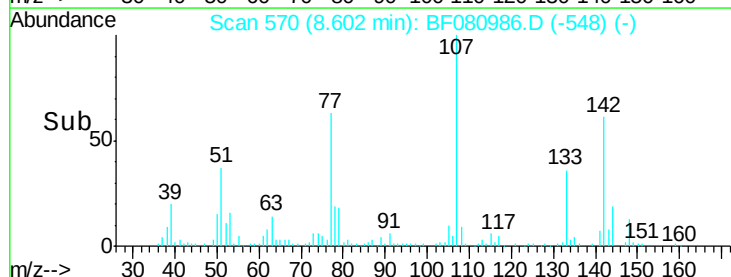
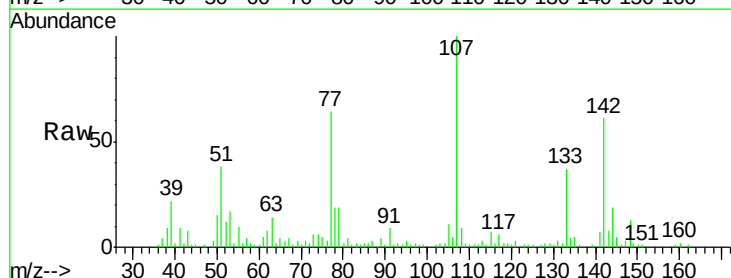
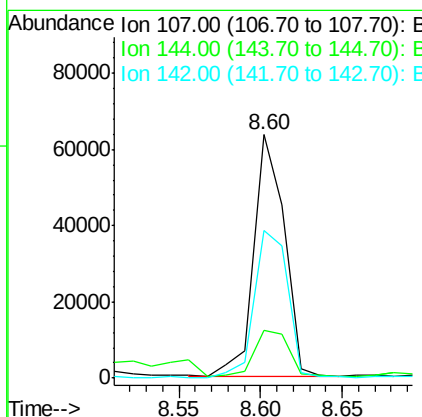
RT: 8.60 min Scan# 570

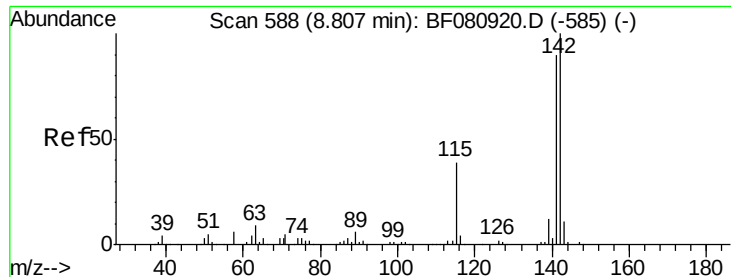
Delta R.T. -0.05 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	107	Resp:	82354
Ion Ratio	Lower	Upper	
107	100		
144	19.4	17.3	25.9
142	60.7	54.4	81.6





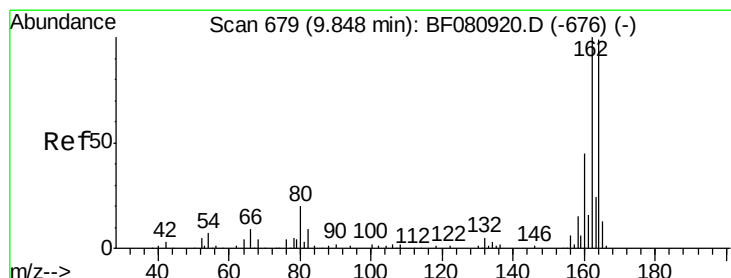
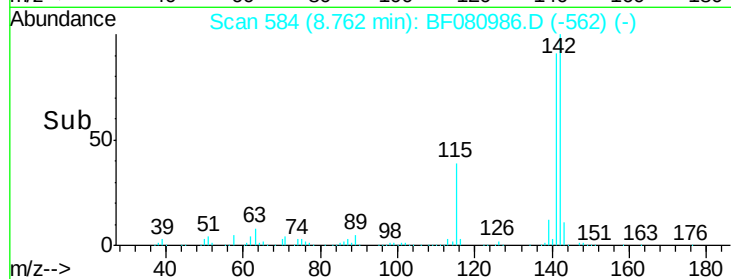
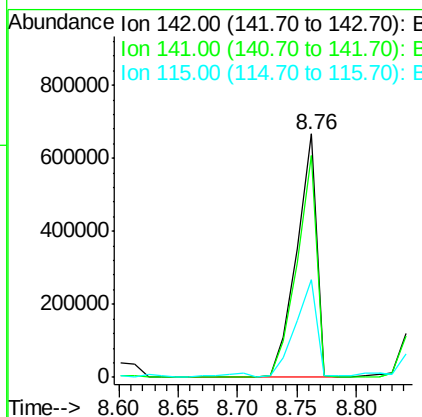
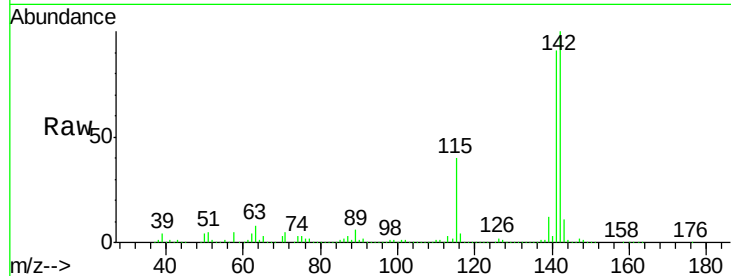
#37
 2-Methylnaphthalene
 Concen: 143.99 ng
 RT: 8.76 min Scan# 584
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.7	107.5
115	40.2	30.9	46.3

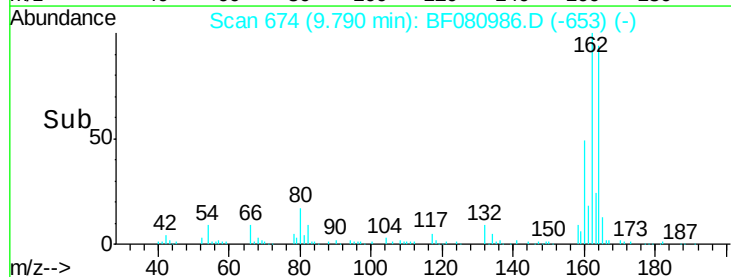
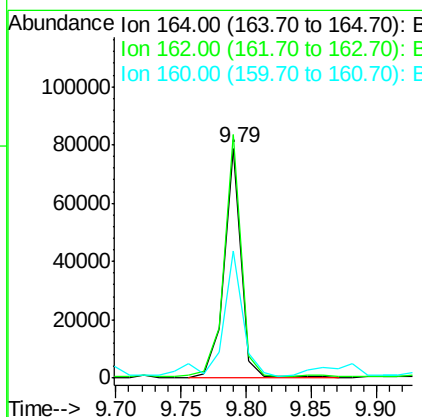
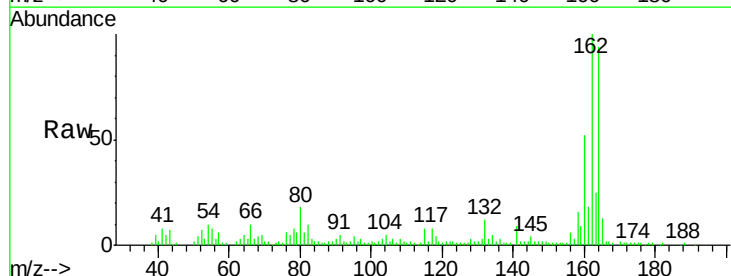
Manual Integrations
 APPROVED

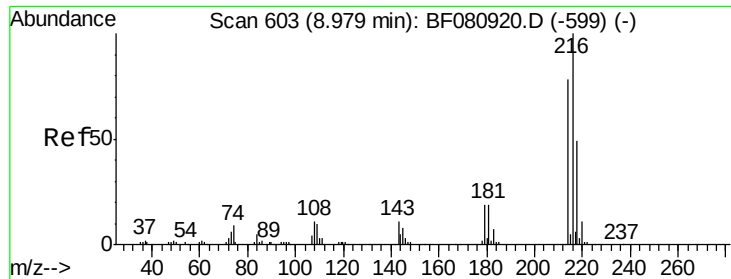
MMDadoda
 8/14/2015 3:08:52 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	80.5	120.7
160	55.2	36.6	54.8





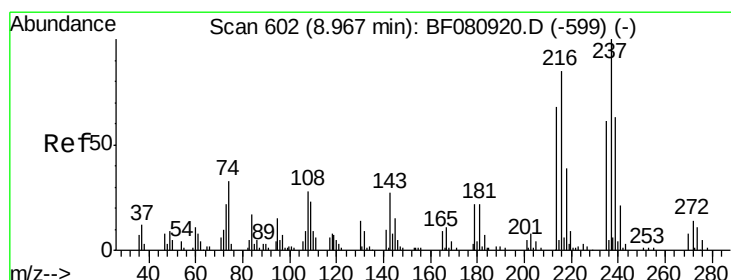
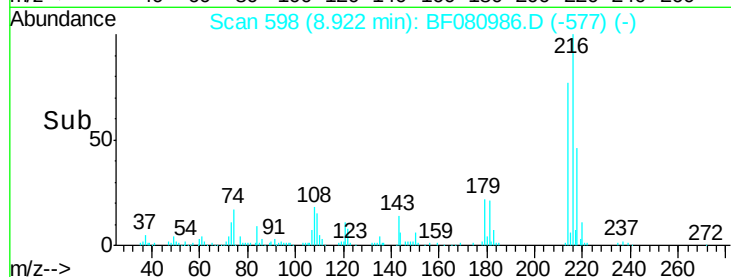
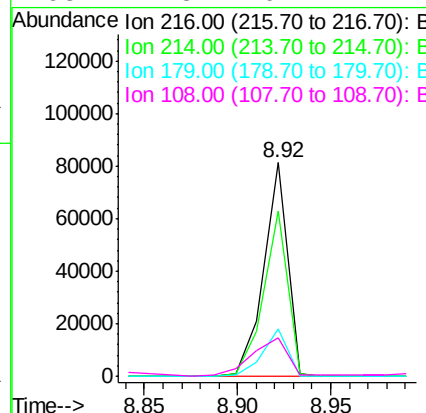
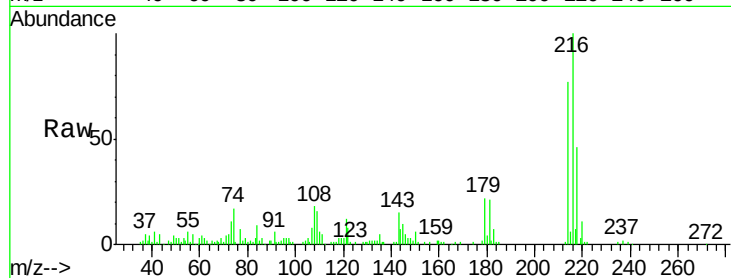
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 32.04 ng
 RT: 8.92 min Scan# 598
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		71661		
214	78.4		63.0	94.4	
179	23.0		17.2	25.8	
108	27.8		16.1	24.1	

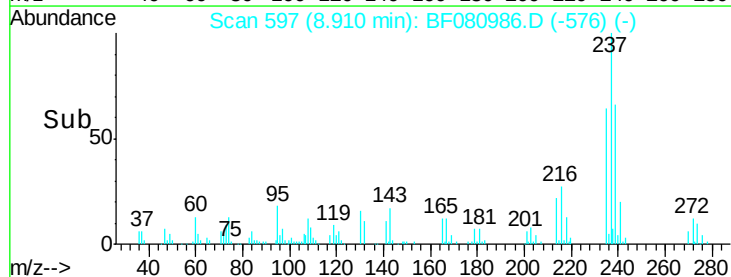
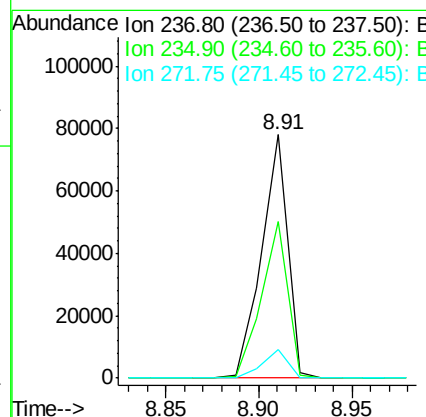
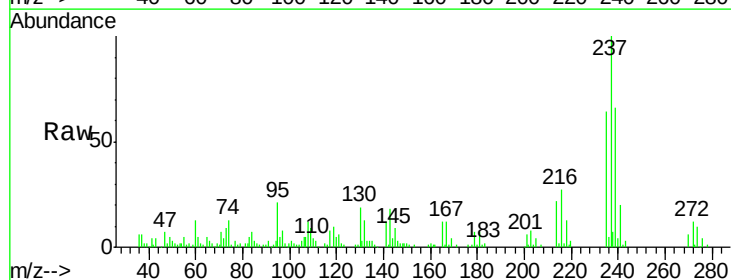
Manual Integrations
 APPROVED

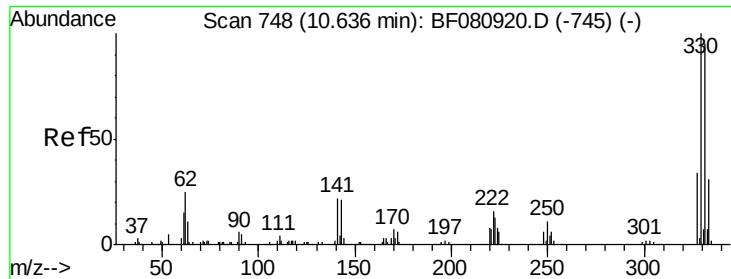
MMDadoda
 8/14/2015 3:08:52 PM



#40
 Hexachlorocyclopentadiene
 Concen: 61.52 ng
 RT: 8.91 min Scan# 597
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		75086		
235	64.1		41.3	81.3	
272	11.7		0.0	33.6	





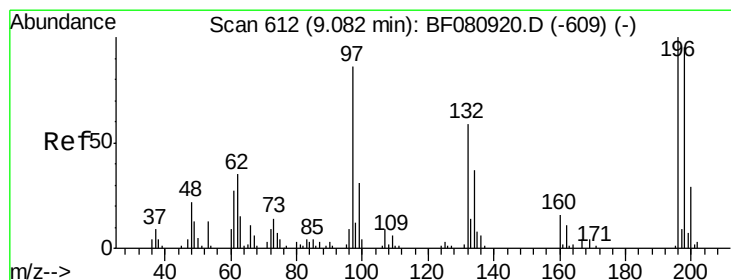
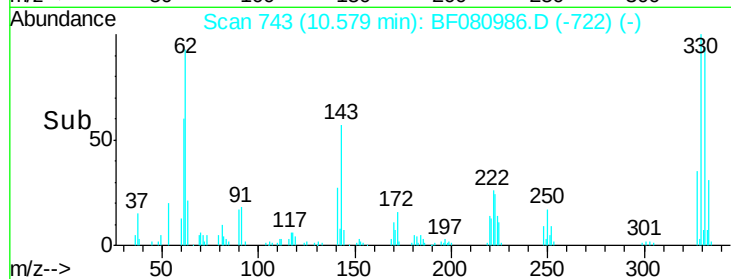
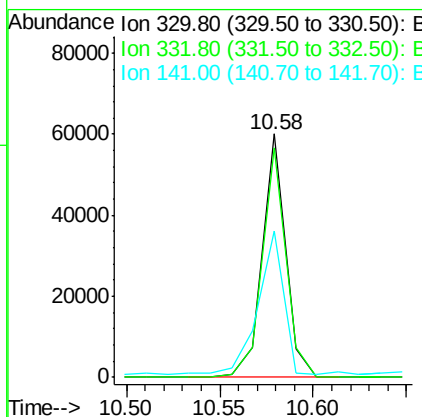
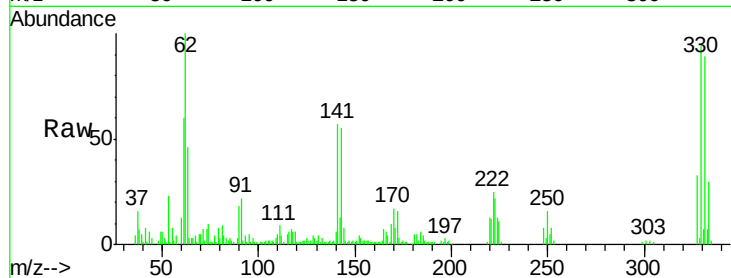
#41
 2,4,6-Tribromophenol
 Concen: 64.66 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	65.7	27.8	41.8#

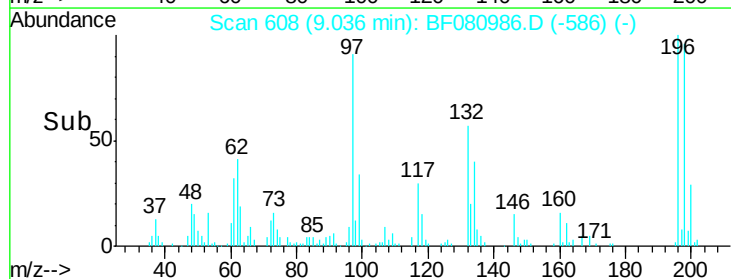
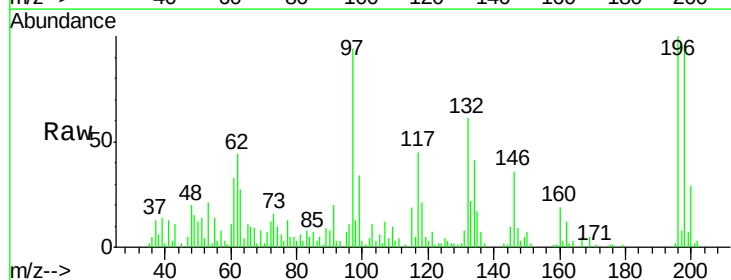
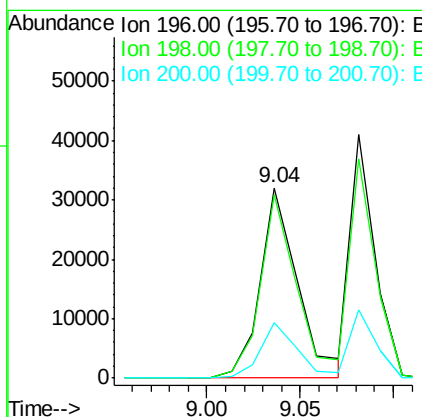
Manual Integrations
 APPROVED

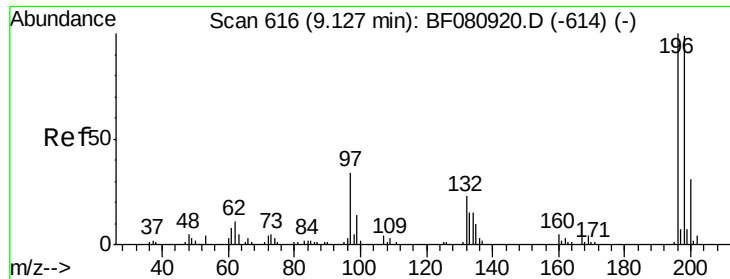
MMDadoda
 8/14/2015 3:08:52 PM



#42
 2,4,6-Trichlorophenol
 Concen: 27.64 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.9	113.9
200	29.2	23.1	34.7





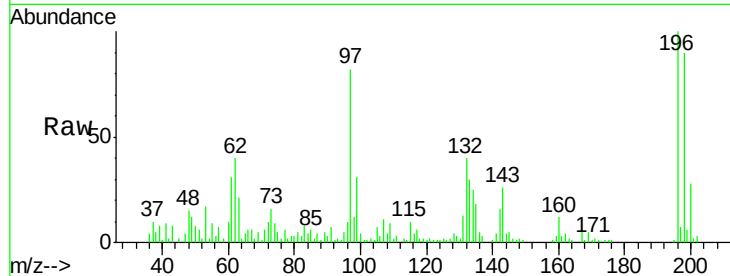
#43
 2,4,5-Trichlorophenol
 Concen: 23.04 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		38065		
198	90.3		78.9	118.3	
97	82.4		29.1	43.7#	
132	39.6		19.1	28.7#	

Manual Integrations
 APPROVED

MMDadoda
 8/14/2015 3:08:52 PM



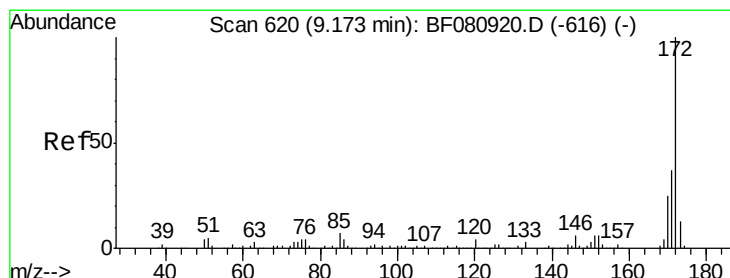
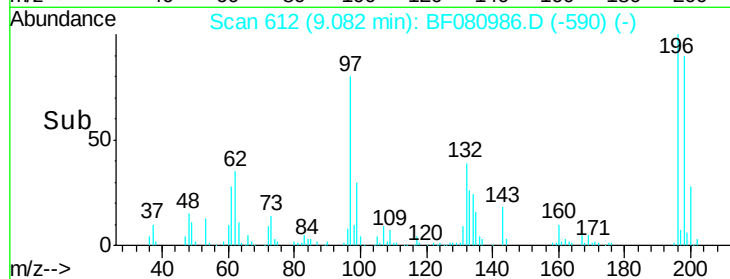
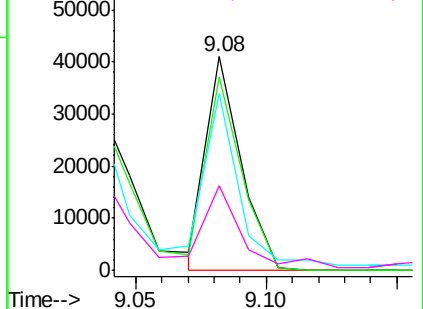
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 62.99 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

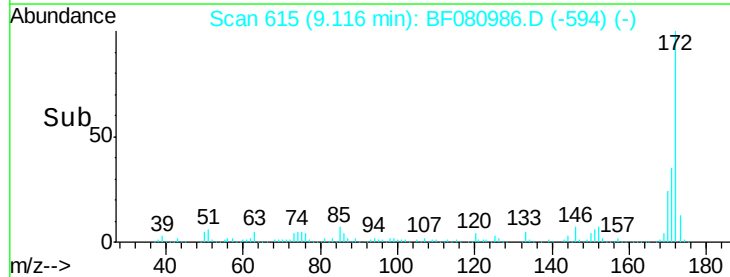
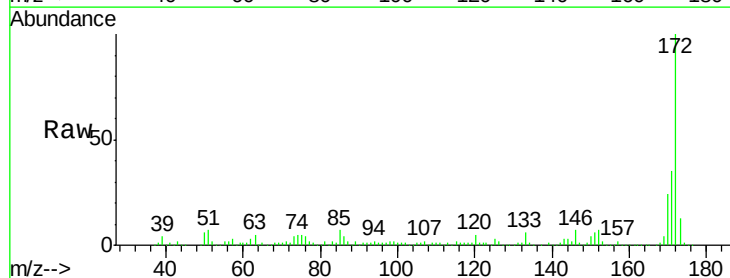
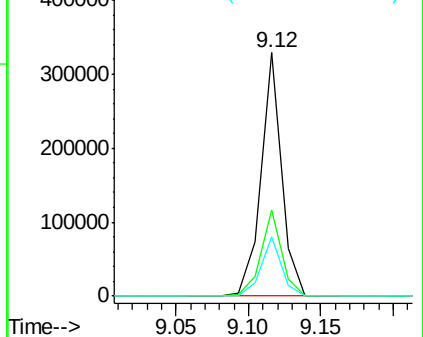
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		324623		
171	35.4		29.4	44.0	
170	24.1		19.7	29.5	

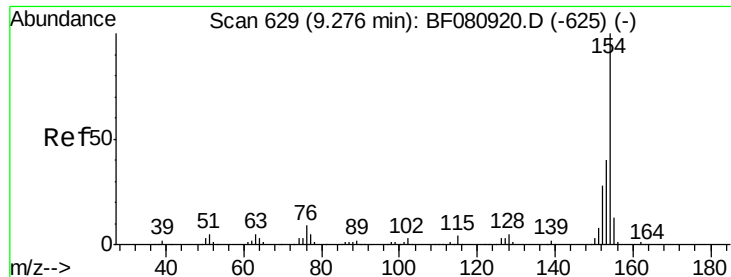
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 41.07 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

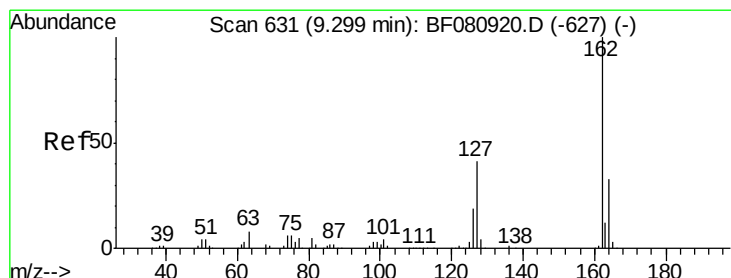
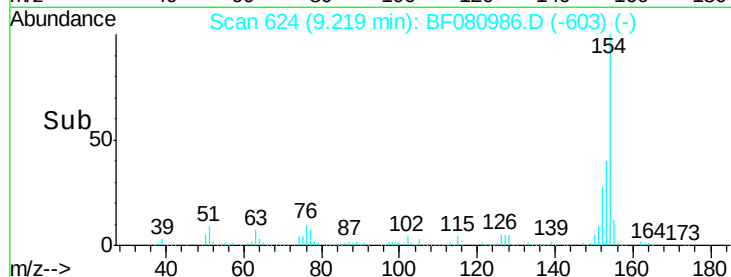
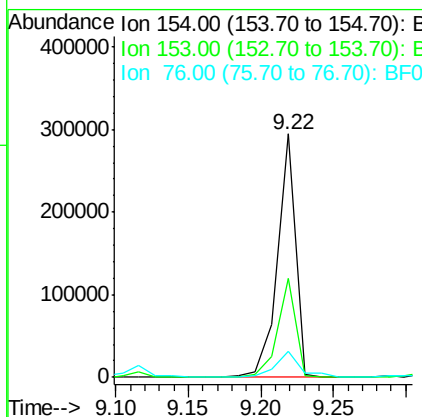
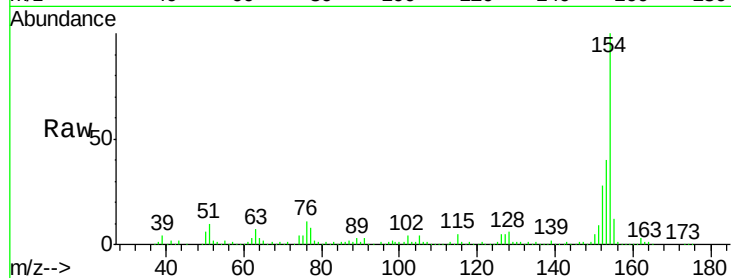
ClientSampleId :

S-A(2)MS

Tot Ion:	154	Resp:	255741
Ion Ratio	Lower	Upper	
154	100		
153	40.5	20.1	60.1
76	10.5	0.0	29.3

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#46

2-Chloronaphthalene

Concen: 29.54 ng

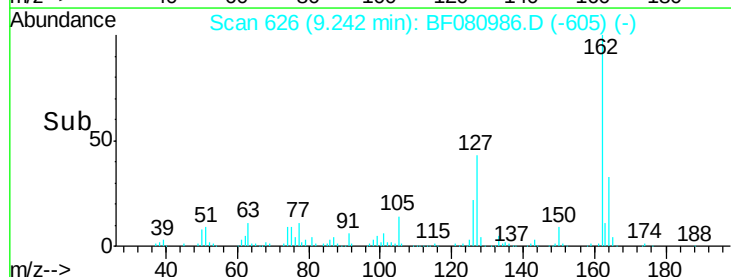
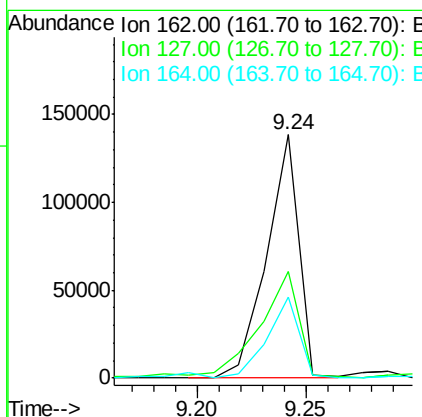
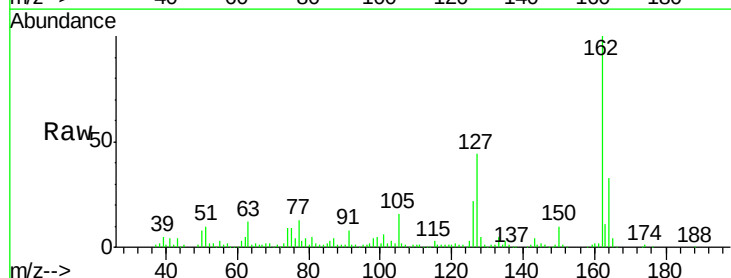
RT: 9.24 min Scan# 626

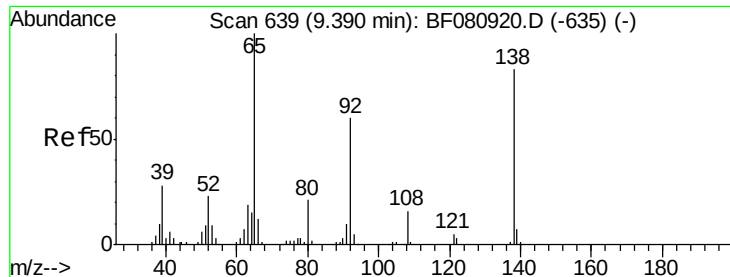
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	162	Resp:	143408
Ion Ratio	Lower	Upper	
162	100		
127	43.7	32.5	48.7
164	33.4	26.2	39.4





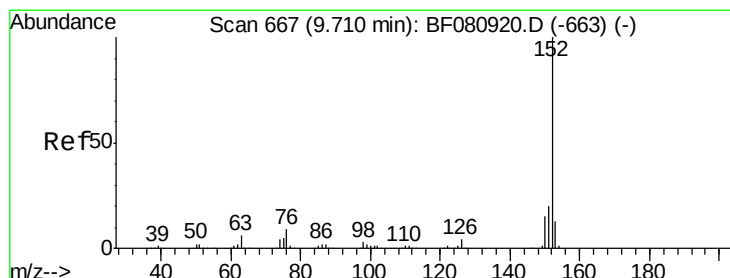
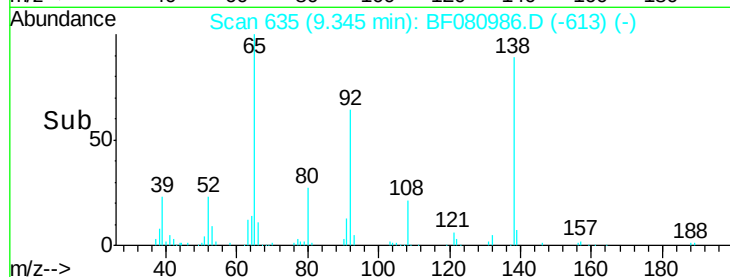
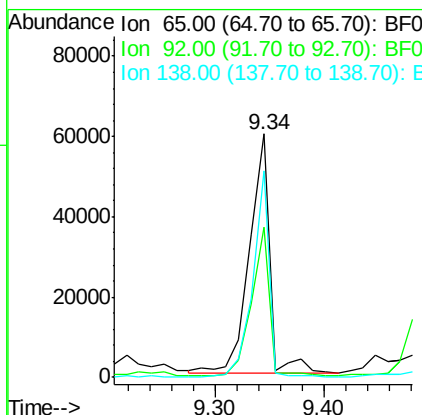
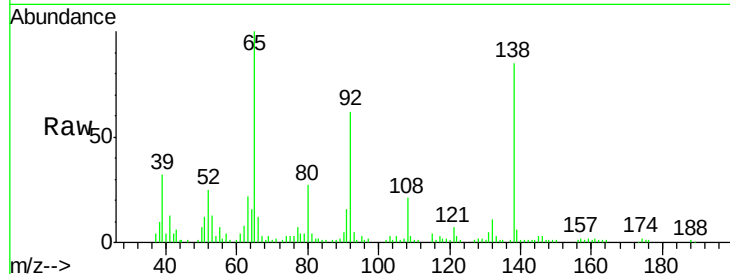
#47
 2-Nitroaniline
 Concen: 39.95 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
65	100		77768		
92	61.5	48.0	72.0		
138	84.8	66.1	99.1		

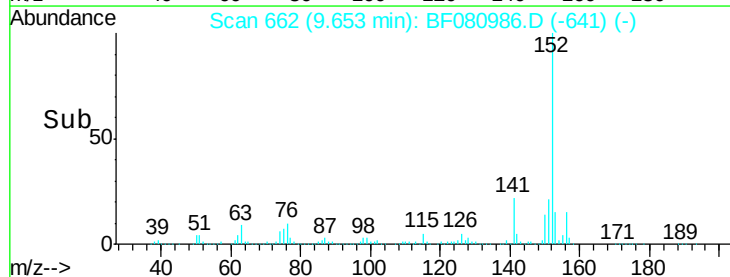
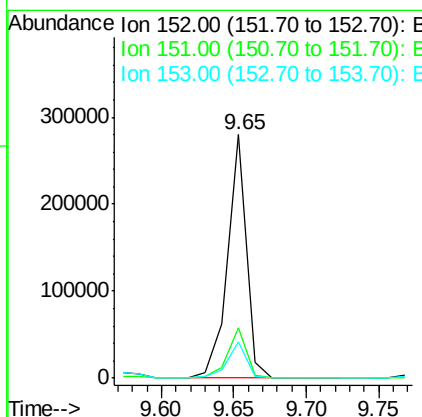
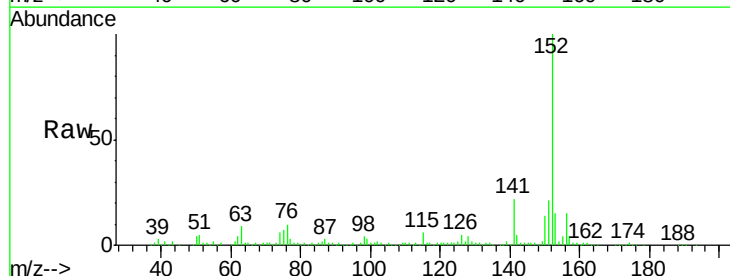
Manual Integrations
 APPROVED

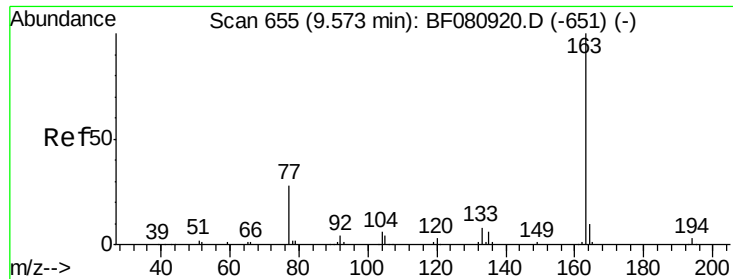
MMDadoda
 8/14/2015 3:08:52 PM



#48
 Acenaphthylene
 Concen: 29.78 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		251369		
151	20.6	16.3	24.5		
153	14.9	10.5	15.7		





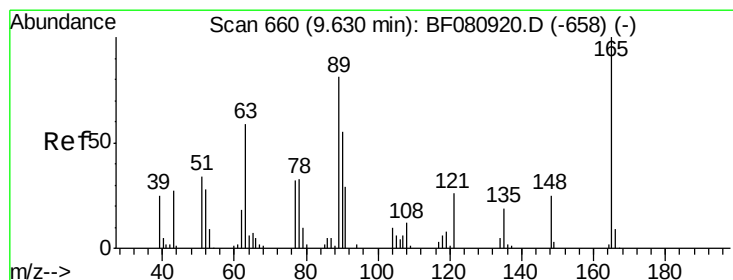
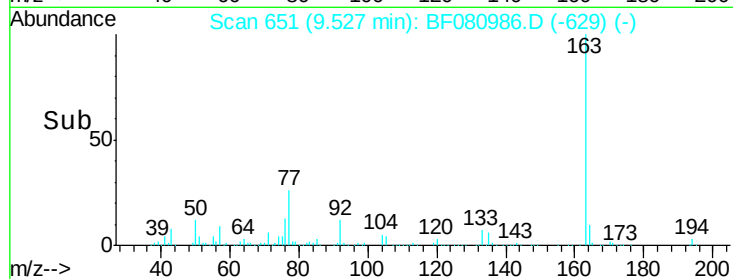
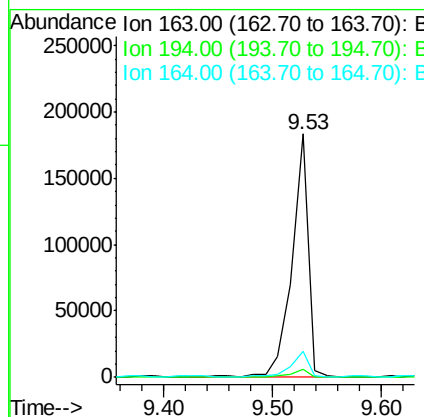
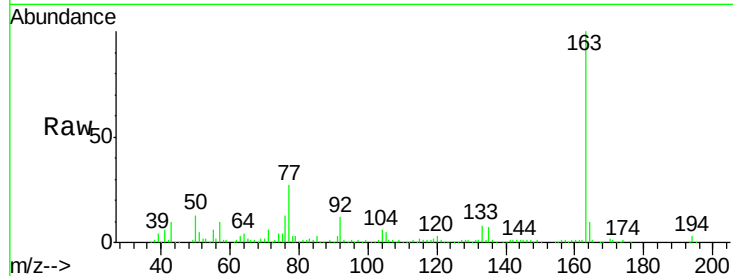
#49
Dimethylphthalate
Concen: 31.88 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.05 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.4	3.6
164	10.4	8.2	12.4

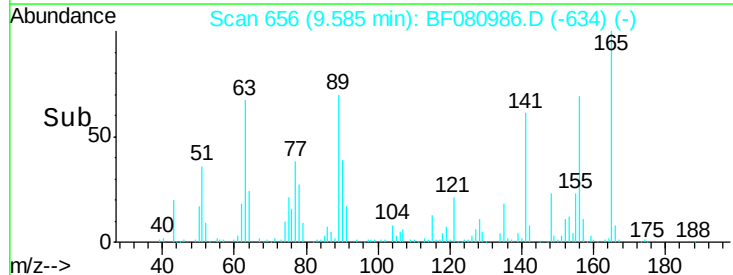
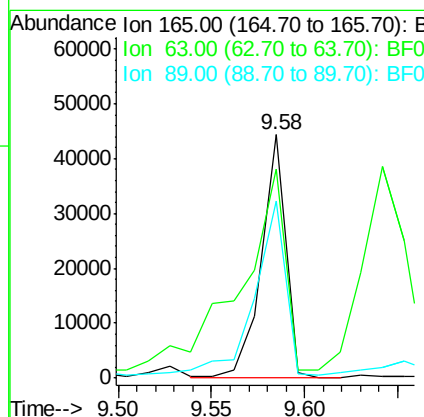
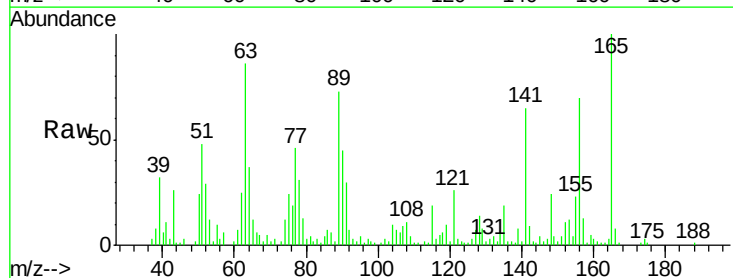
Manual Integrations
APPROVED

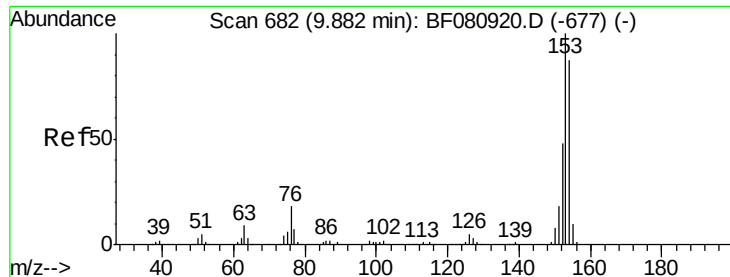
MMDadoda
8/14/2015 3:08:52 PM



#50
2,6-Dinitrotoluene
Concen: 32.19 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.05 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	86.0	77.6	116.4
89	72.5	64.5	96.7





#51

Acenaphthene

Concen: 42.14 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

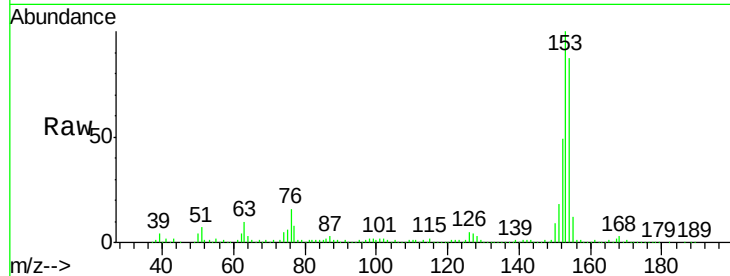
ClientSampleId :

S-A(2)MS

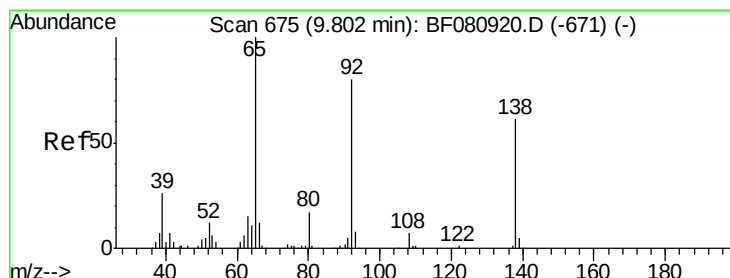
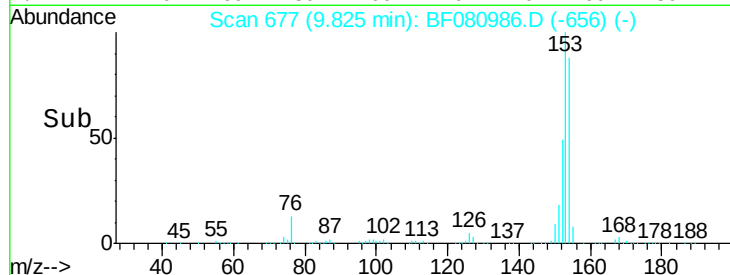
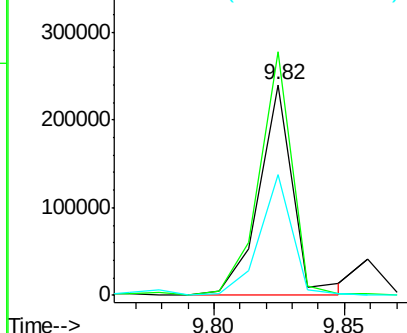
Tot Ion:	154	Resp:	217824
Ion Ratio	Lower	Upper	
154	100		
153	115.4	91.4	137.2
152	57.0	44.2	66.4

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 16.45 ng

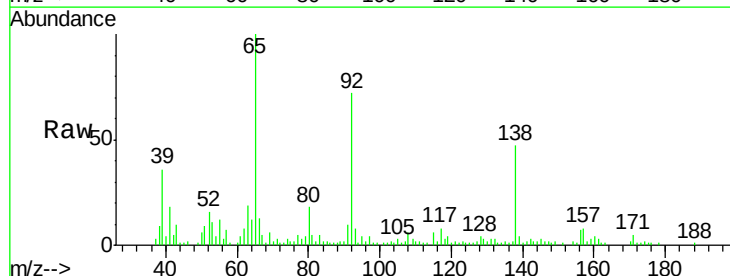
RT: 9.74 min Scan# 670

Delta R.T. -0.06 min

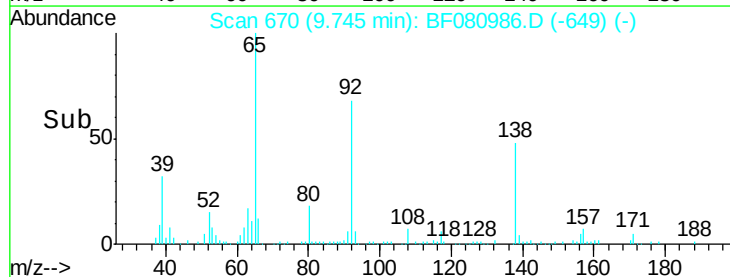
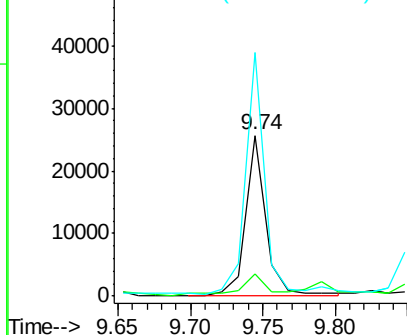
Lab File: BF080986.D

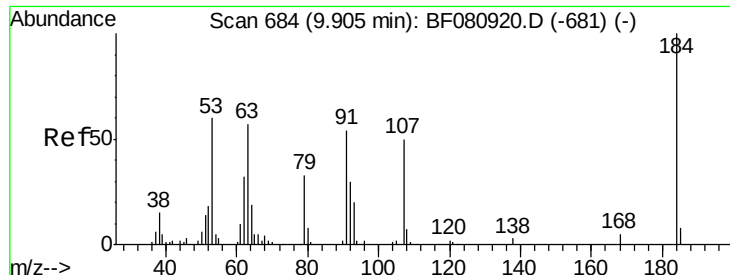
Acq: 13 Aug 2015 18:03

Tgt Ion:	138	Resp:	25254
Ion Ratio	Lower	Upper	
138	100		
108	13.5	8.7	13.1#
92	151.2	104.4	156.6



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





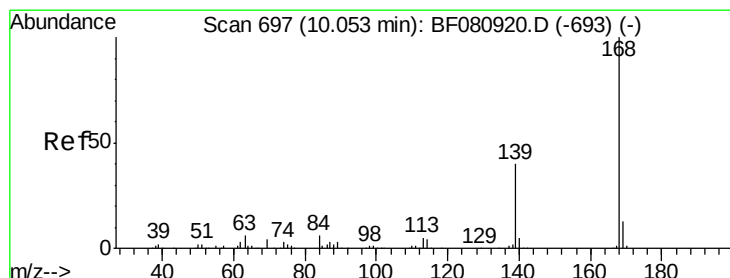
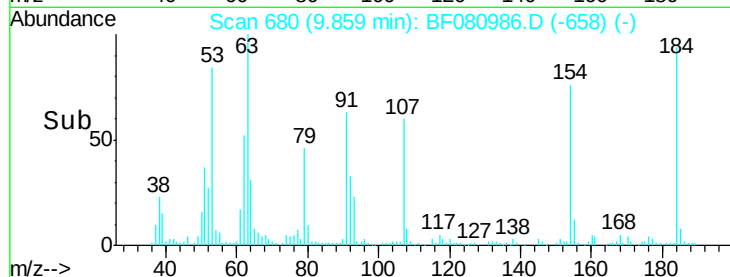
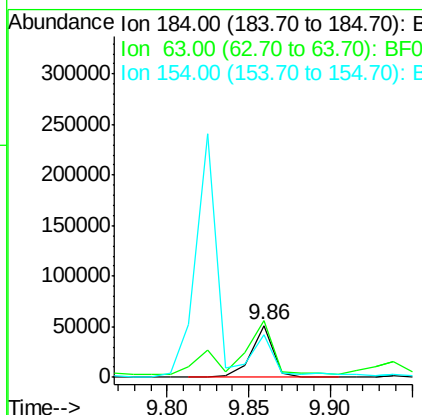
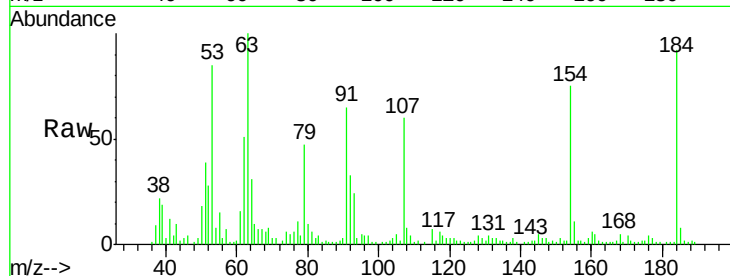
#53
 2,4-Dinitrophenol
 Concen: 64.97 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ratio	Lower	Upper
184	100		
63	109.0	59.7	89.5#
154	81.4	53.8	80.8#

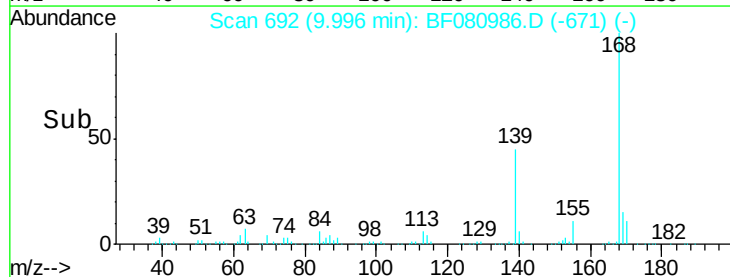
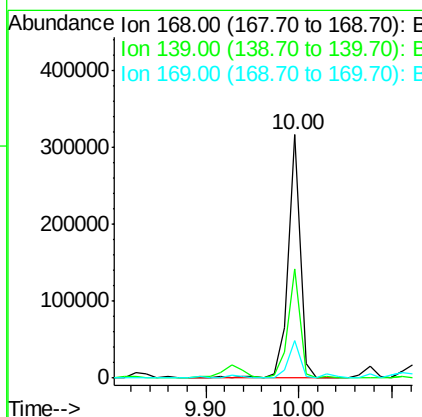
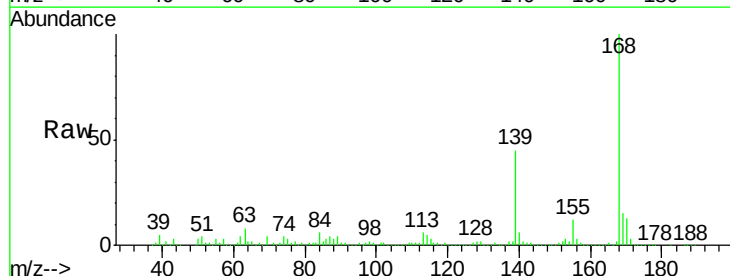
Manual Integrations
 APPROVED

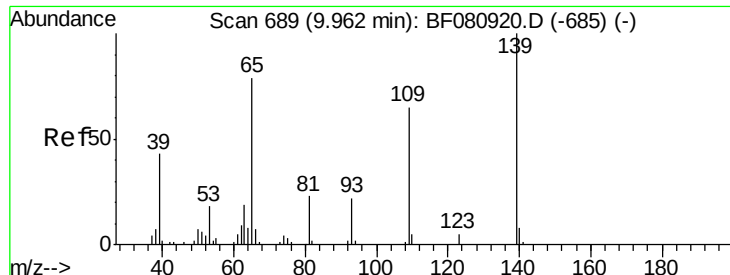
MMDadoda
 8/14/2015 3:08:52 PM



#54
 Dibenzofuran
 Concen: 41.06 ng
 RT: 10.00 min Scan# 692
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
168	100		
139	45.0	31.9	47.9
169	15.4	10.6	15.8





#55

4-Nitrophenol

Concen: 24.59 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

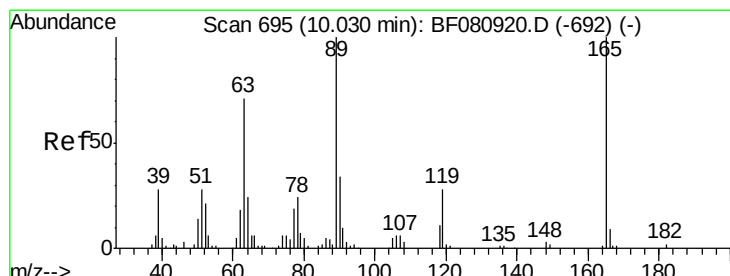
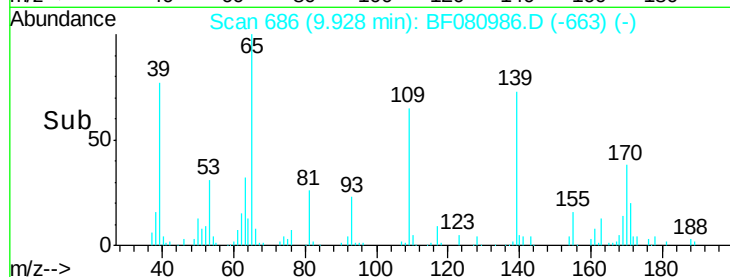
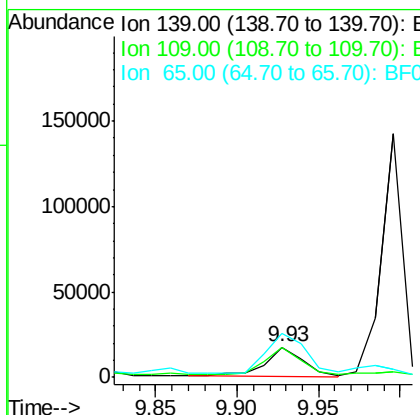
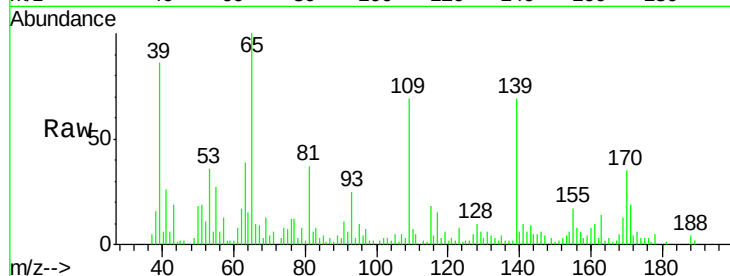
ClientSampleId :

S-A(2)MS

Tot Ion:	139	Resp:	28258
Ion Ratio	Lower	Upper	
139	100		
109	99.3	44.7	84.7#
65	144.7	59.5	99.5#

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#56

2,4-Dinitrotoluene

Concen: 44.96 ng

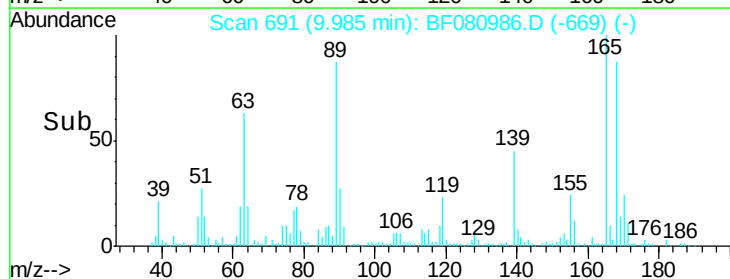
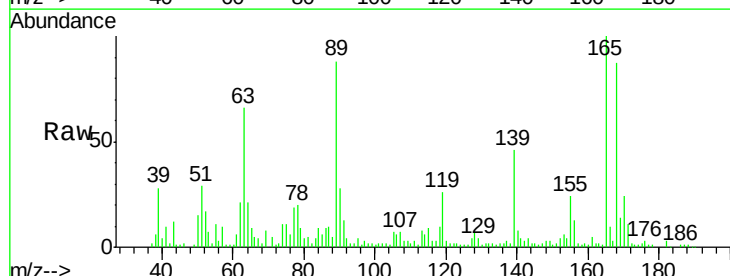
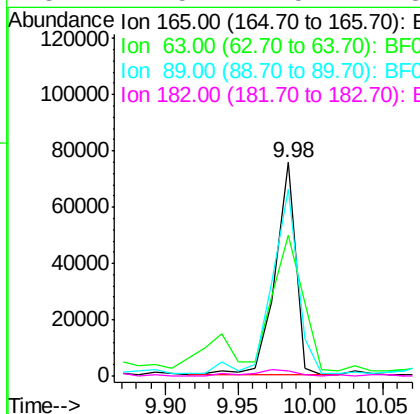
RT: 9.98 min Scan# 691

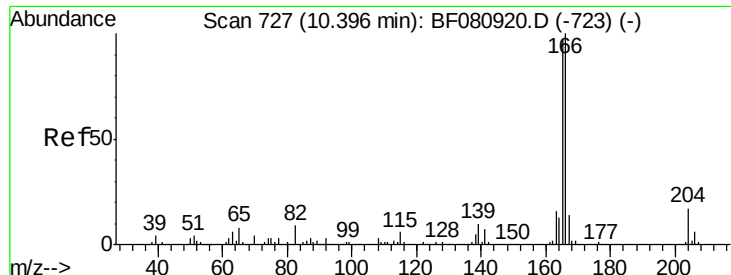
Delta R.T. -0.05 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	165	Resp:	74907
Ion Ratio	Lower	Upper	
165	100		
63	66.0	56.7	85.1
89	87.7	80.4	120.6
182	2.5	1.5	2.3#





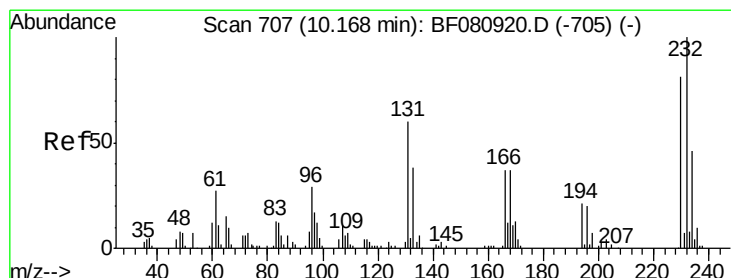
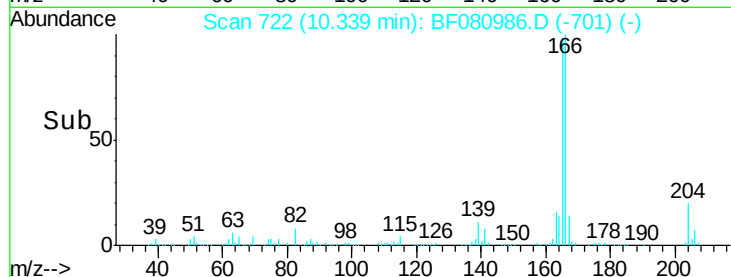
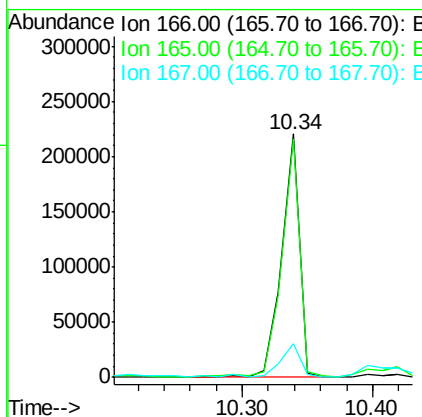
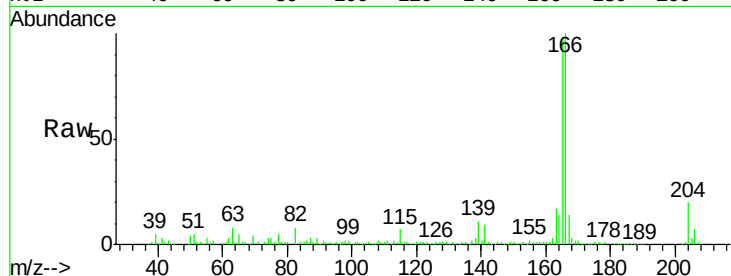
#57
 Fluorene
 Concen: 38.99 ng
 RT: 10.34 min Scan# 722
 Delta R.T. -0.06 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampled :
 S-A(2)MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	210784		
165	97.9	77.2	115.8	
167	14.0	10.8	16.2	

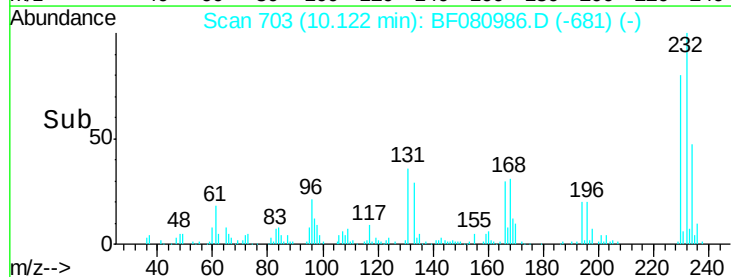
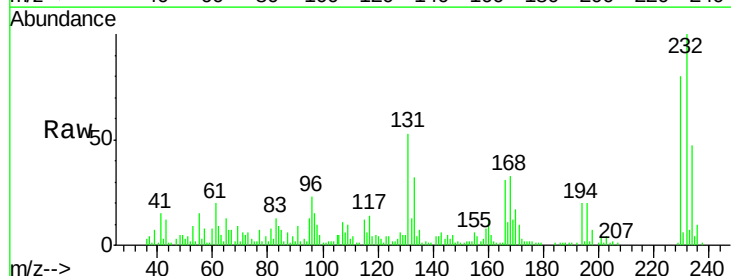
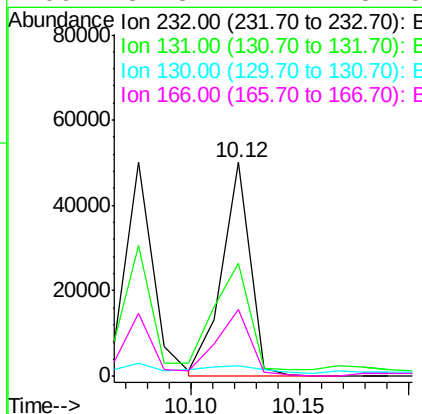
Manual Integrations
 APPROVED

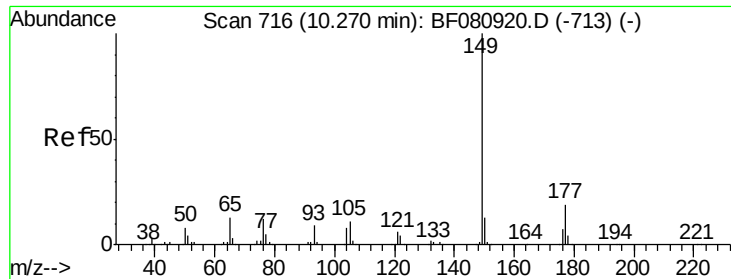
MMDadoda
 8/14/2015 3:08:52 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 34.41 ng
 RT: 10.12 min Scan# 703
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	44977		
131	64.0	39.4	59.2#	
130	6.3	2.1	3.1#	
166	37.3	21.7	32.5#	





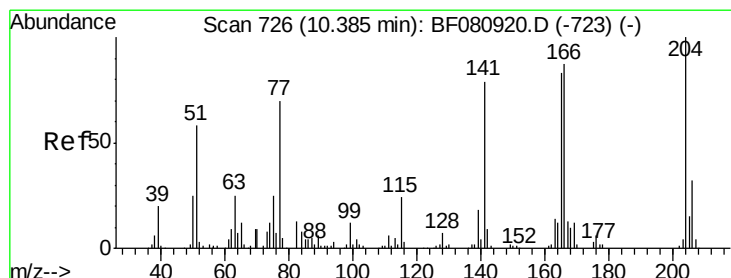
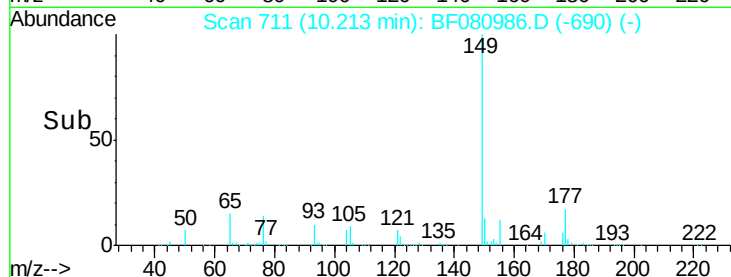
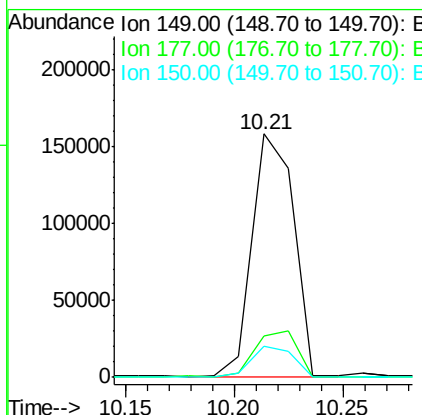
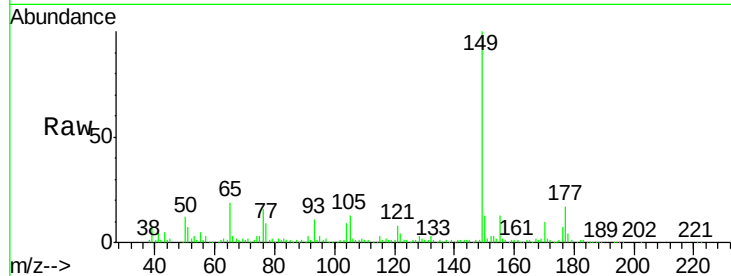
#59
Diethylphthalate
Concen: 33.62 ng
RT: 10.21 min Scan# 711
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	210907		
177	17.0	15.0	22.4	
150	13.0	10.4	15.6	

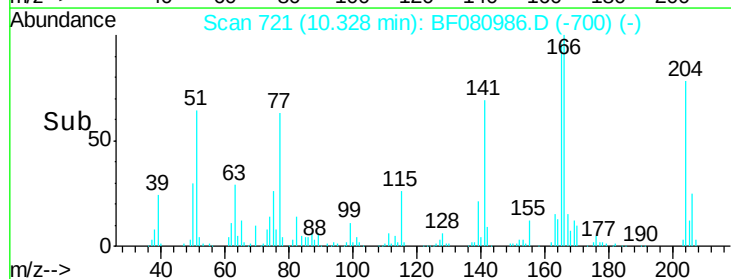
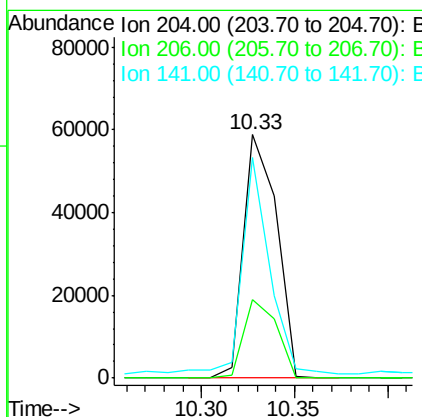
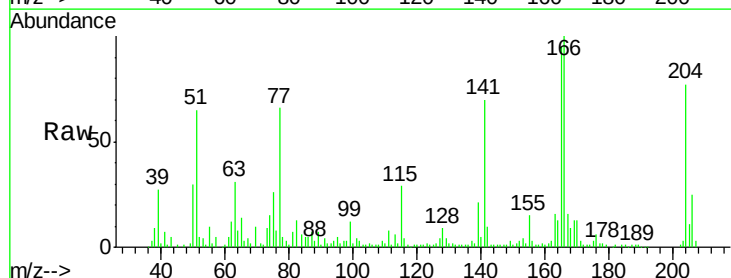
Manual Integrations
APPROVED

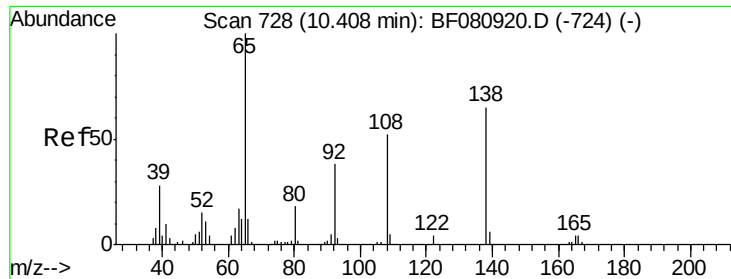
MMDadoda
8/14/2015 3:08:52 PM



#60
4-Chlorophenyl-phenylether
Concen: 27.59 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	72671		
206	32.3	25.5	38.3	
141	90.7	63.4	95.0	





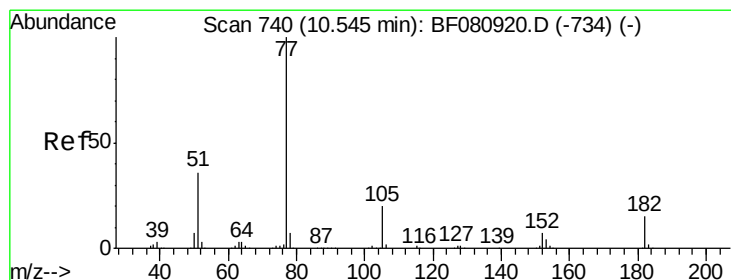
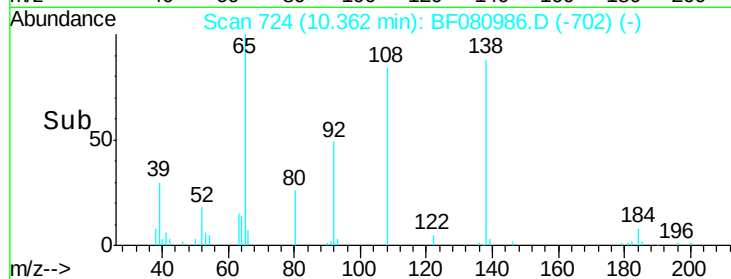
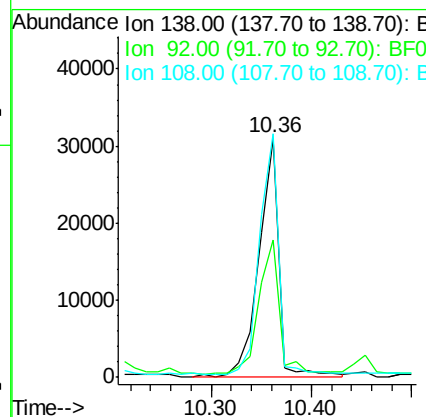
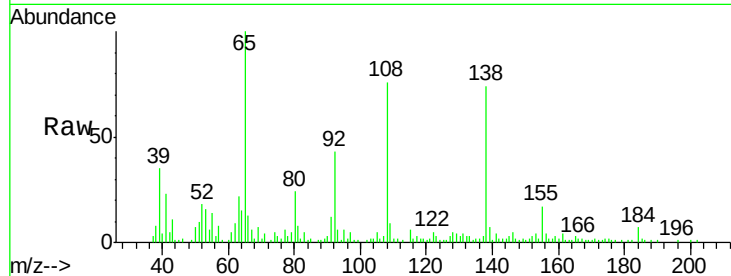
#61
4-Nitroaniline
Concen: 27.16 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.05 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	57.7	38.1	78.1
108	102.0	59.9	99.9

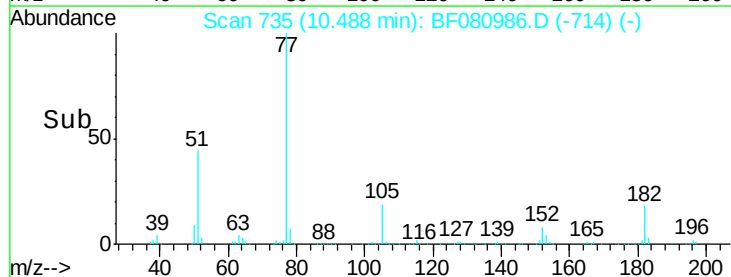
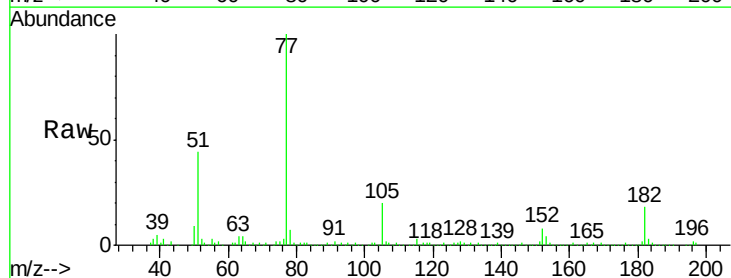
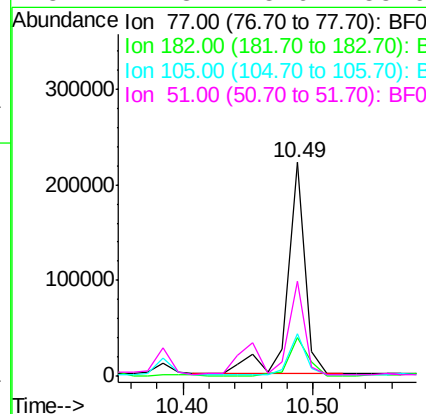
Manual Integrations
APPROVED

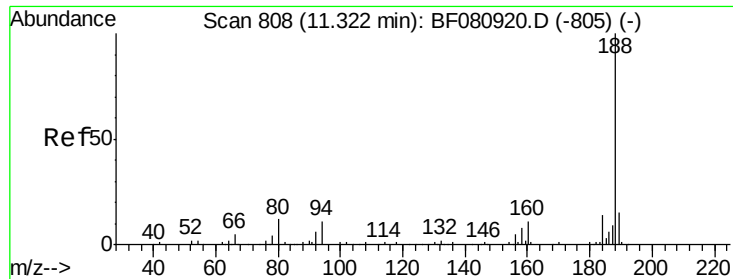
MMDadoda
8/14/2015 3:08:52 PM



#62
Azobenzene
Concen: 29.72 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.0	0.0	35.5
105	19.6	0.5	40.5
51	44.3	15.6	55.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

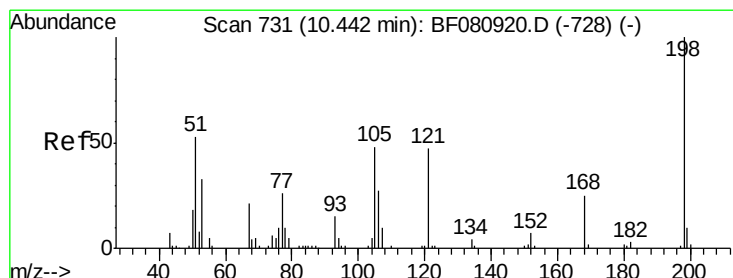
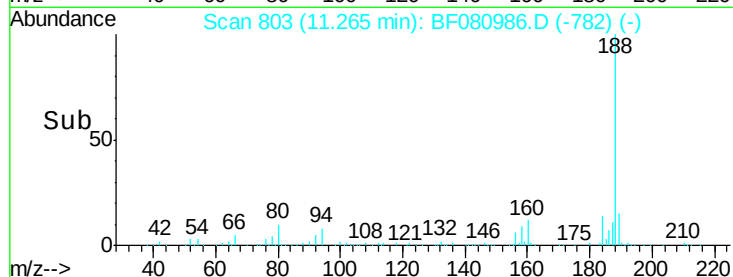
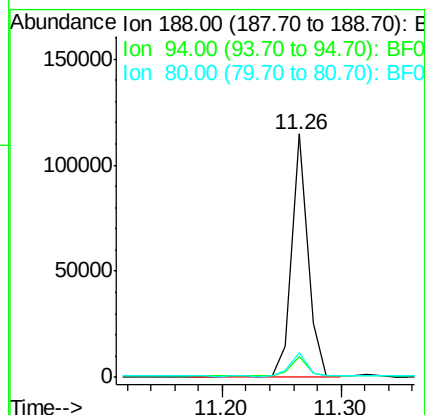
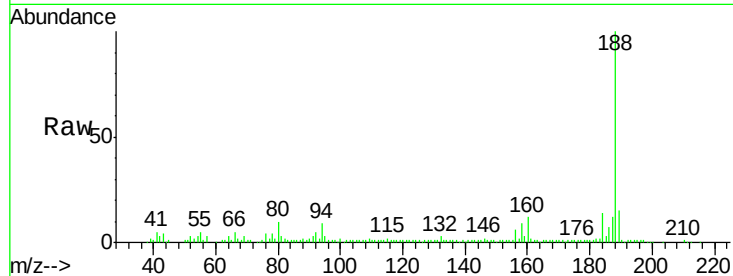
ClientSampleId :

S-A(2)MS

Tot Ion:	188	Resp:	109005
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.8	13.2#
80	10.1	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 34.77 ng

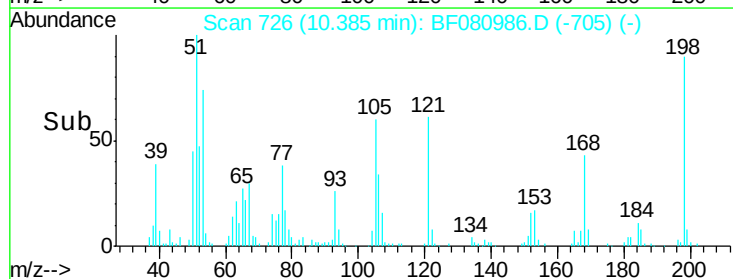
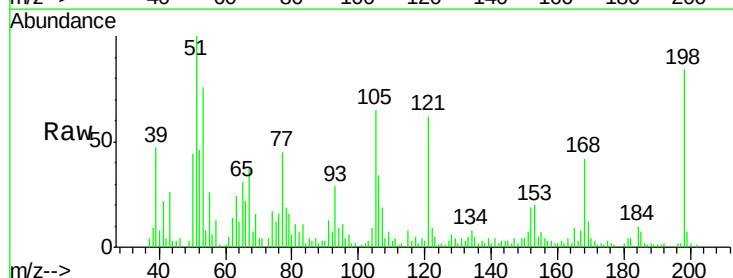
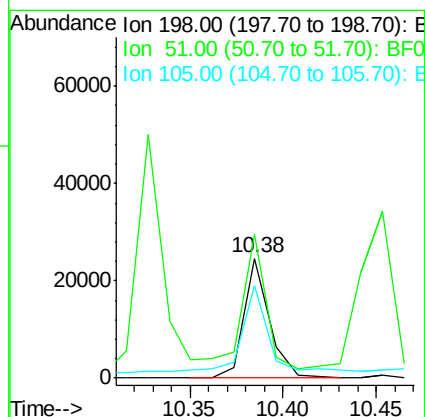
RT: 10.38 min Scan# 726

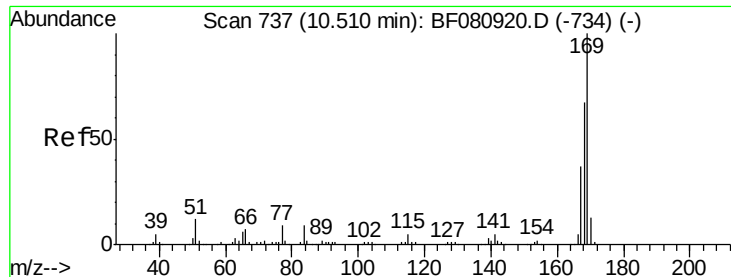
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	198	Resp:	23486
Ion Ratio	Lower	Upper	
198	100		
51	119.3	40.3	80.3#
105	77.5	29.6	69.6#





#65

n-Nitrosodiphenylamine

Concen: 45.27 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

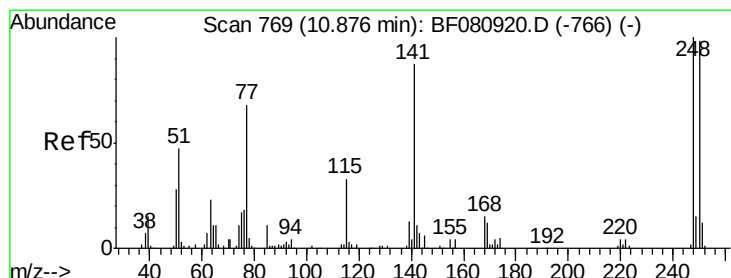
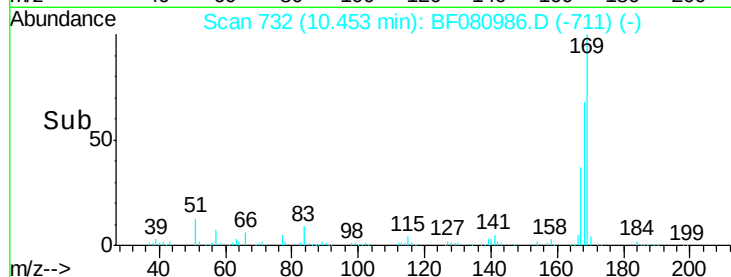
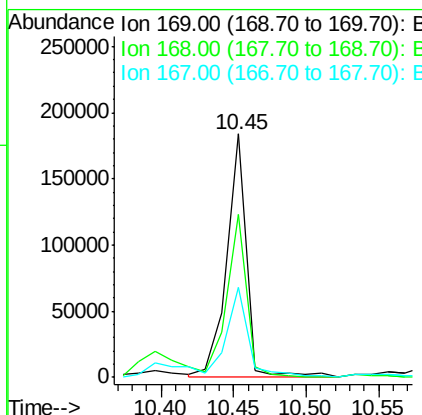
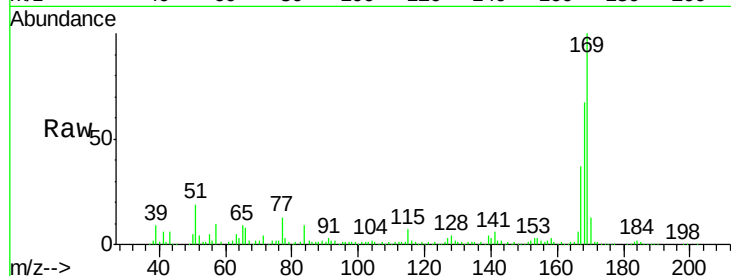
ClientSampleId :

S-A(2)MS

Tot Ion:	169	Resp:	171448
Ion Ratio	Lower	Upper	
169	100		
168	66.8	53.7	80.5
167	37.2	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#66

4-Bromophenyl-phenylether

Concen: 49.14 ng

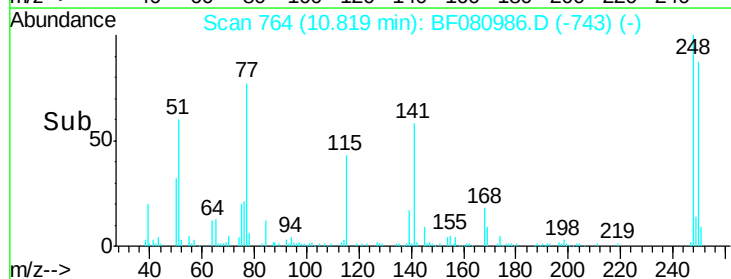
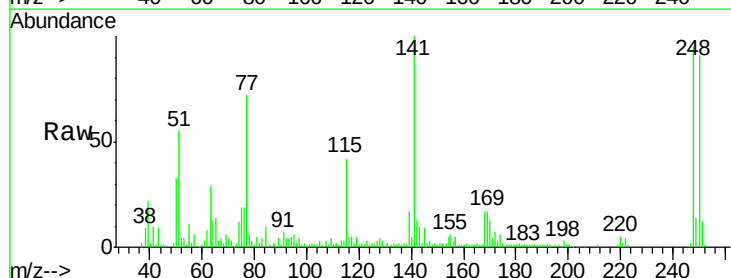
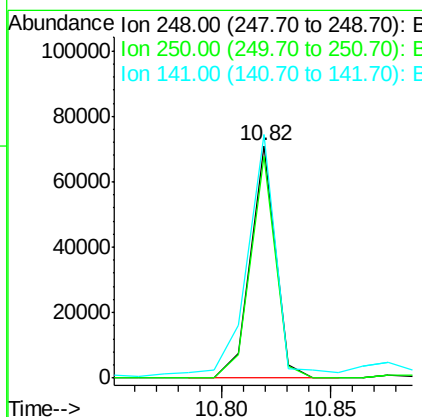
RT: 10.82 min Scan# 764

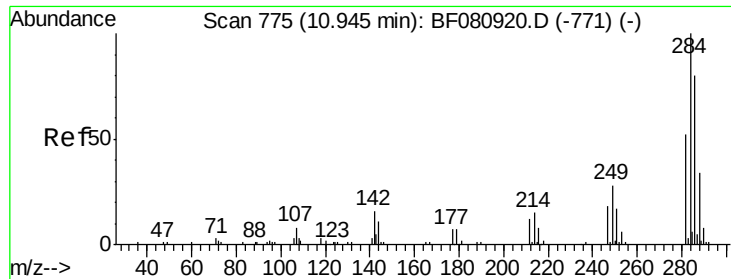
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	248	Resp:	56729
Ion Ratio	Lower	Upper	
248	100		
250	95.6	78.1	117.1
141	104.9	69.6	104.4#





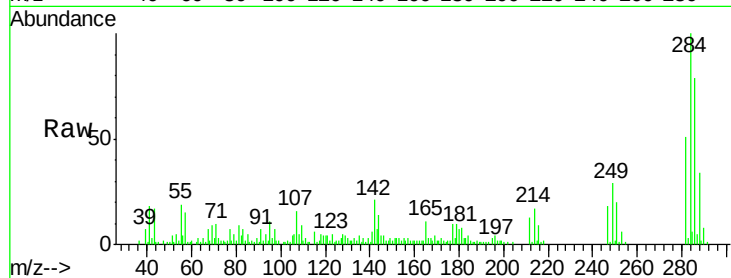
#67
Hexachlorobenzene
Concen: 41.88 ng
RT: 10.89 min Scan# 770
Delta R.T. -0.06 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

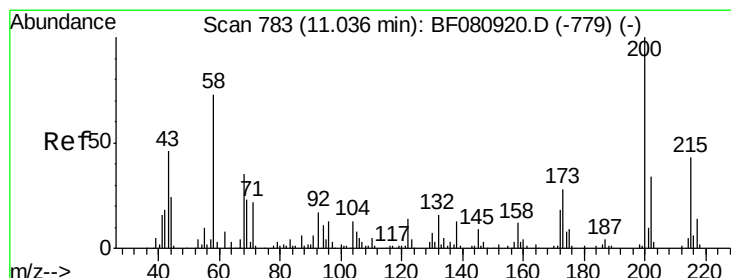
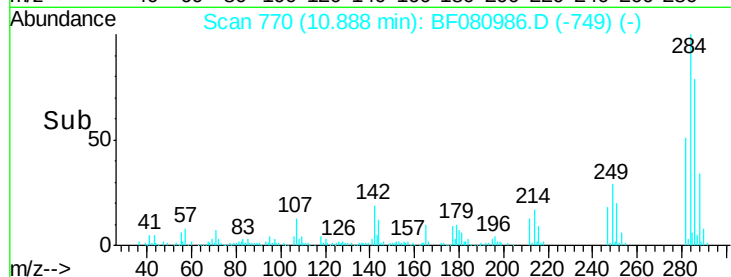
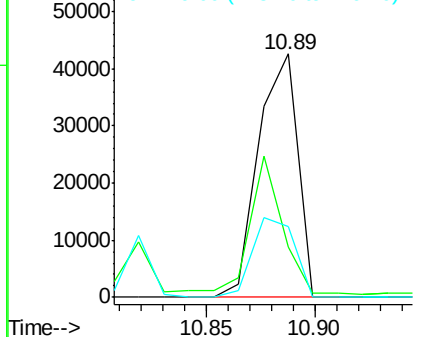
Tot Ion	Ratio	Resp	Lower	Upper
284	100	53760		
142	20.8		12.8	19.2#
249	28.9		22.5	33.7

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM

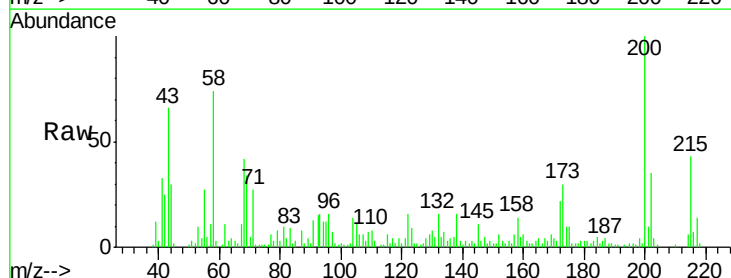


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

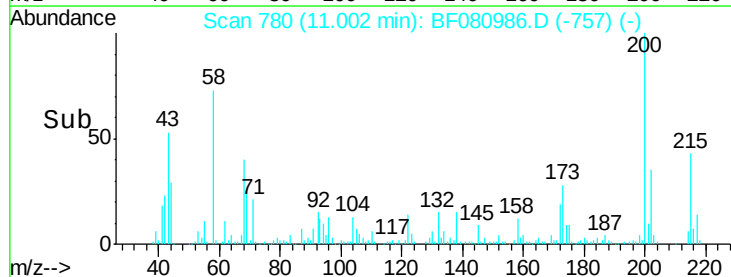
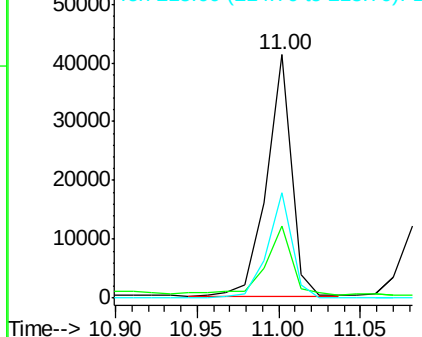


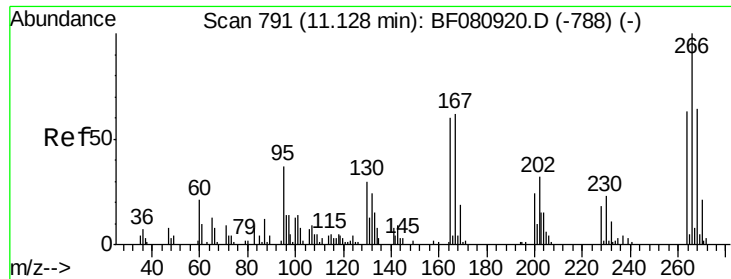
#68
Atrazine
Concen: 39.41 ng
RT: 11.00 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	43754		
173	29.6		8.4	48.4
215	43.5		22.7	62.7



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





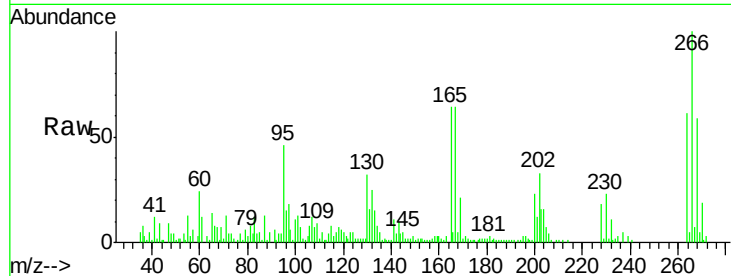
#69
 Pentachlorophenol
 Concen: 67.06 ng
 RT: 11.08 min Scan# 787
 Delta R.T. -0.05 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

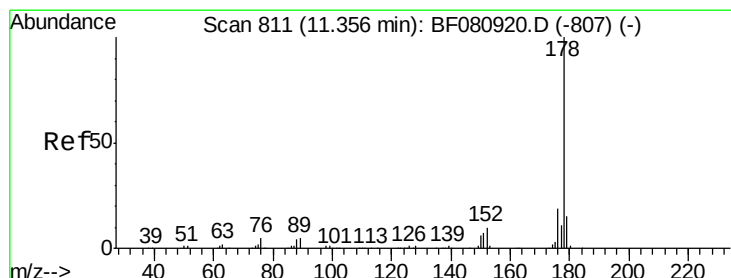
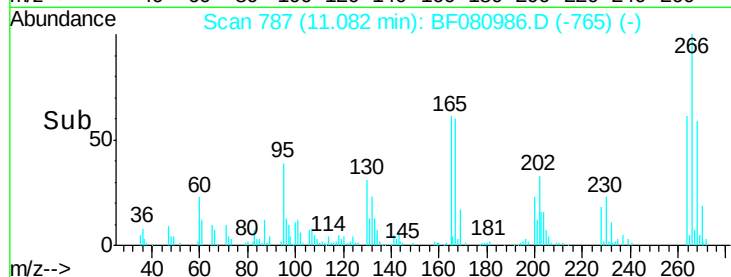
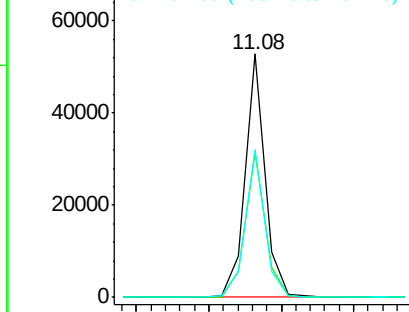
Tot Ion	Ratio	Resp	Lower	Upper
266	100	50049		
268	59.4		51.6	77.4
264	60.9		50.1	75.1

Manual Integrations
 APPROVED

MMDadoda
 8/14/2015 3:08:52 PM

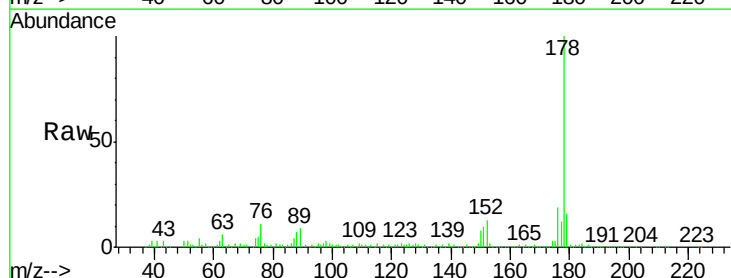


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

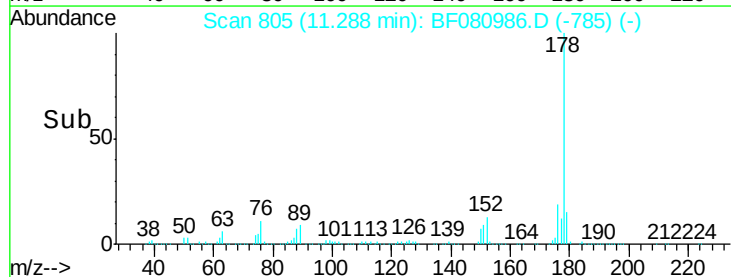
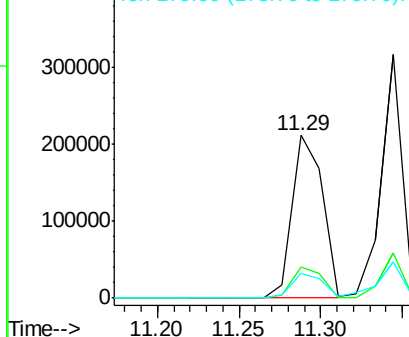


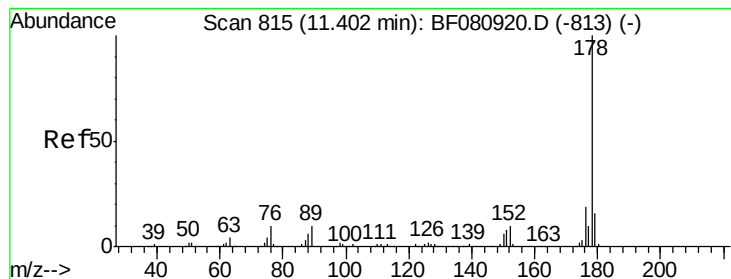
#70
 Phenanthrene
 Concen: 44.13 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.07 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	272387		
176	19.3		15.6	23.4
179	15.6		11.9	17.9



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: 46.33 ng/mL

RT: 11.34 min Scan# 810

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

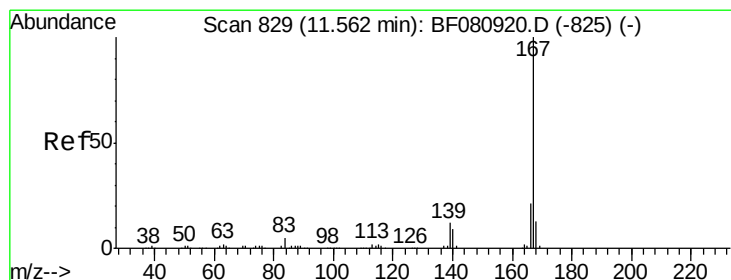
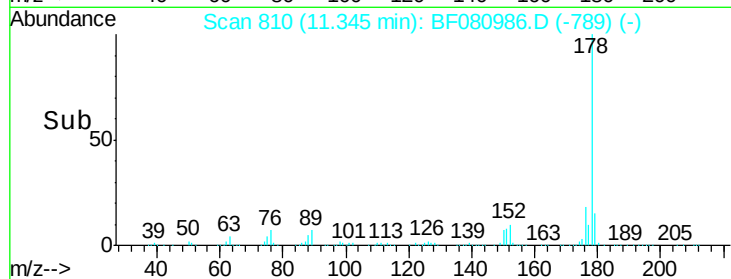
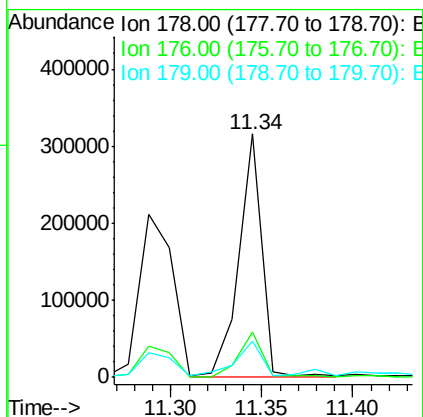
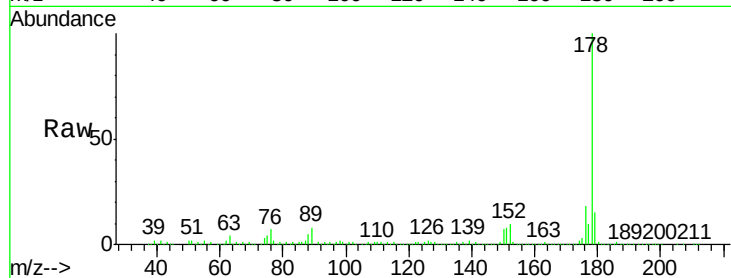
ClientSampleId :

S-A(2)MS

Tot Ion:	178	Resp:	283131
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.5	23.3
179	14.7	12.6	18.8

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#72

Carbazole

Concen: 87.50 ng/mL

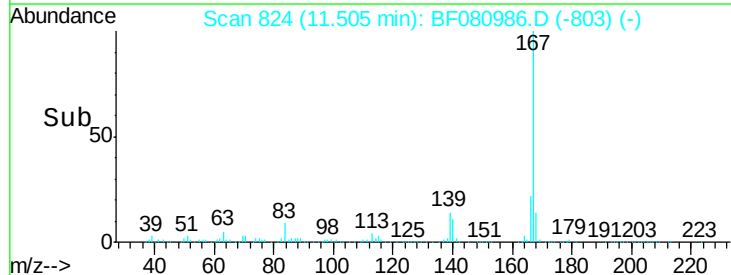
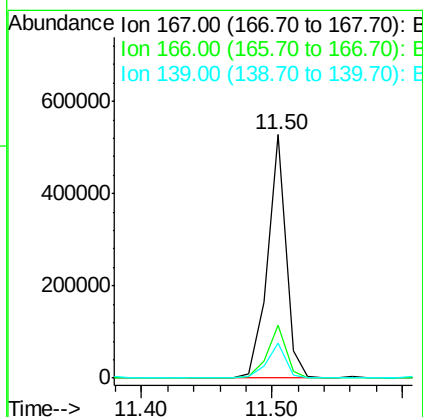
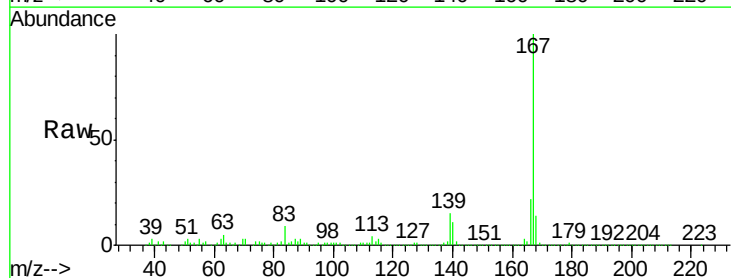
RT: 11.50 min Scan# 824

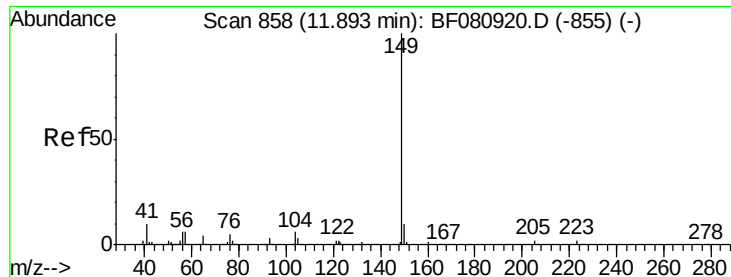
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	167	Resp:	520607
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.1	25.7
139	14.6	9.2	13.8#





#73

Di-n-butylphthalate

Concen: 54.38 ng

RT: 11.84 min Scan# 853

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

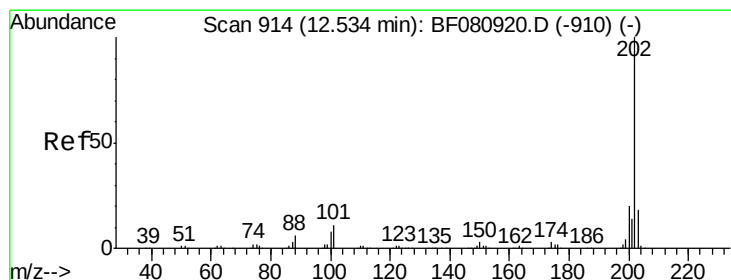
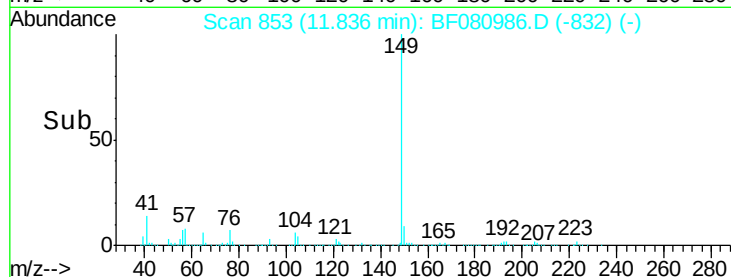
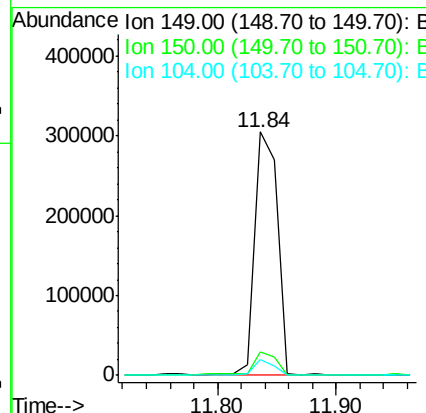
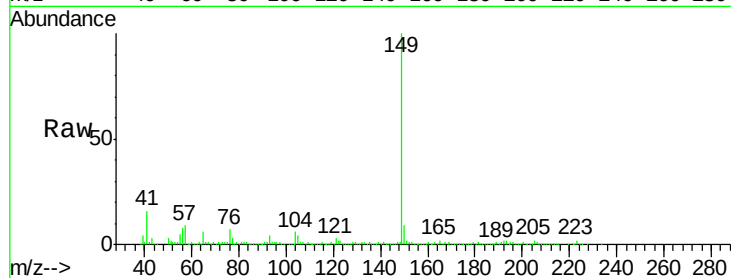
ClientSampleId :

S-A(2)MS

Tot Ion:	149	Resp:	404574
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.6	11.4
104	6.4	4.4	6.6

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#74

Fluoranthene

Concen: 55.29 ng

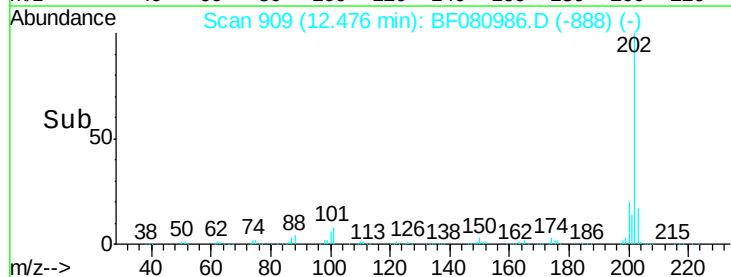
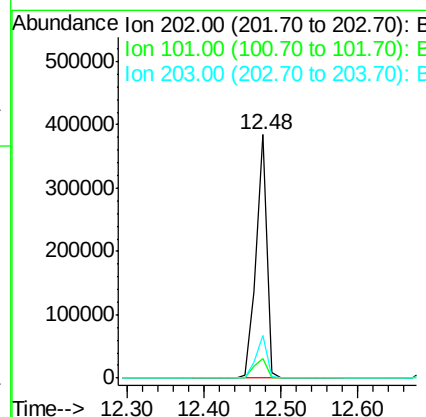
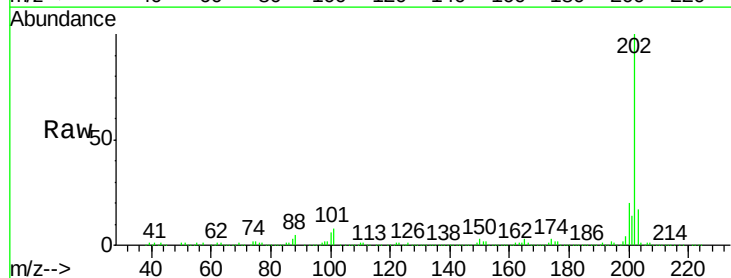
RT: 12.48 min Scan# 909

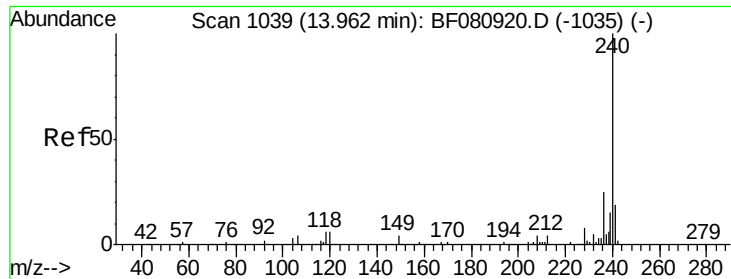
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	202	Resp:	368890
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	30.5
203	17.3	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

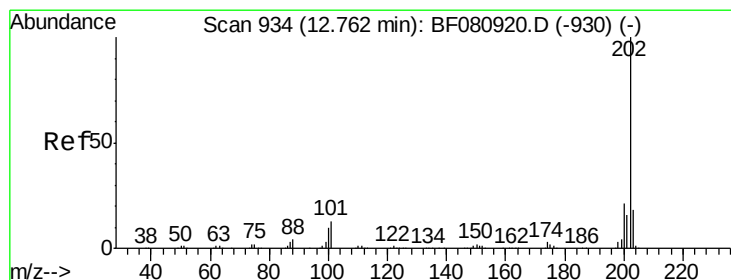
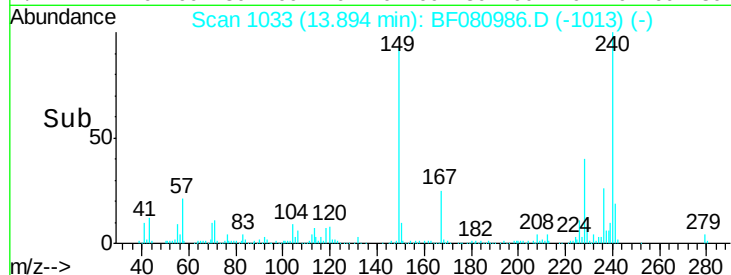
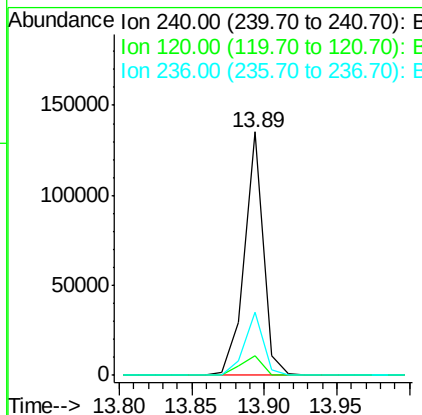
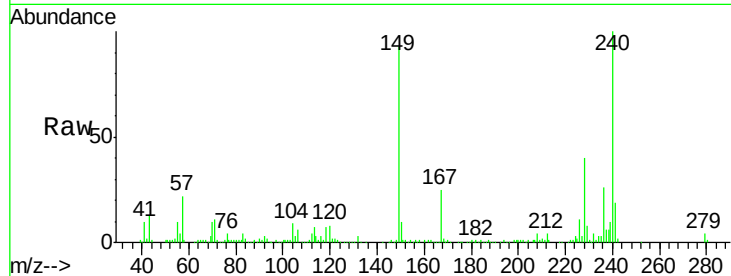
ClientSampleId :

S-A(2)MS

Tot Ion:	240	Resp:	122377
Ion Ratio	Lower	Upper	
240	100		
120	8.3	5.2	7.8#
236	25.9	20.2	30.4

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#77

Pyrene

Concen: 33.81 ng

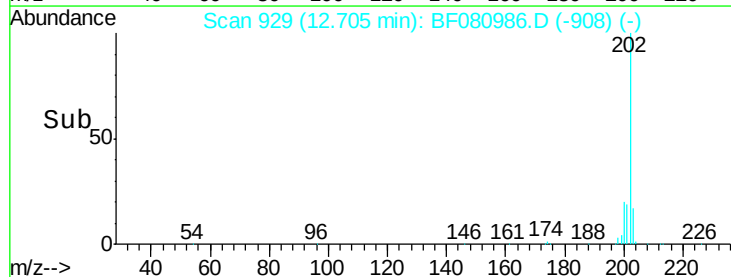
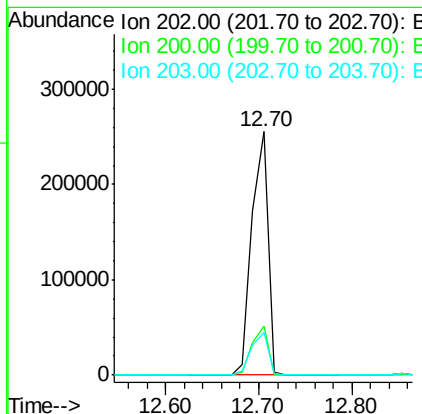
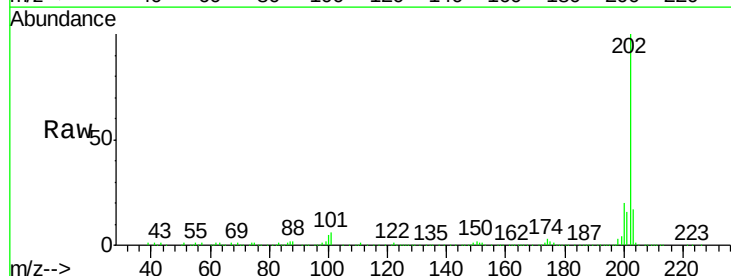
RT: 12.70 min Scan# 929

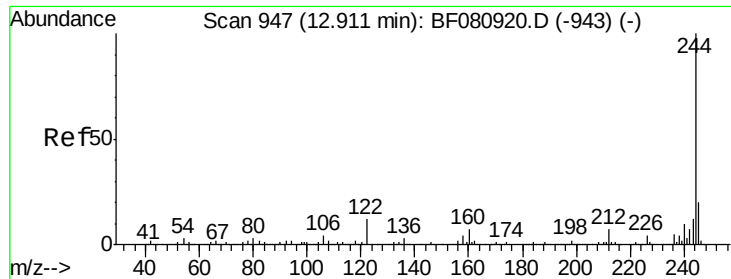
Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	202	Resp:	305691
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.6	24.8
203	17.3	14.2	21.2





#78

Terphenyl-d14

Concen: 61.00 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

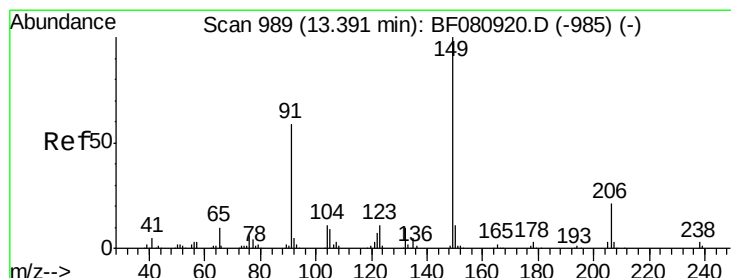
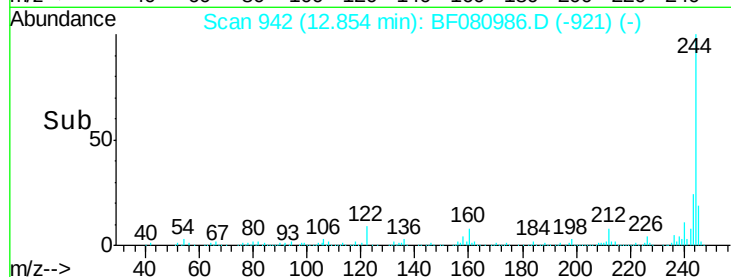
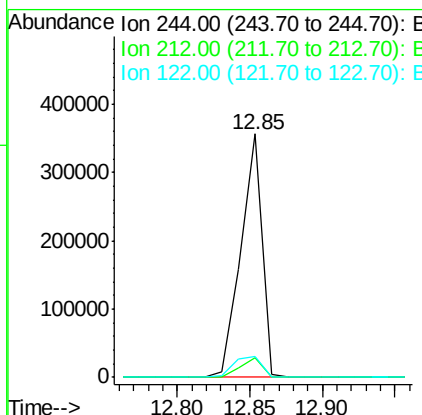
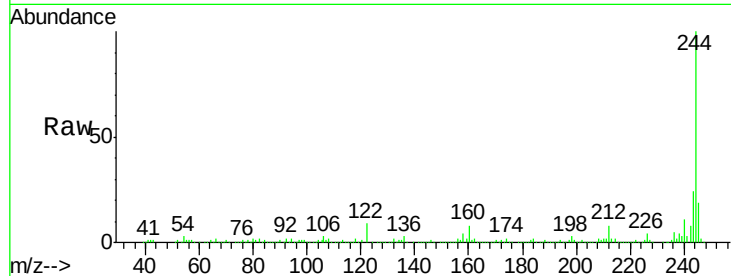
ClientSampleId :

S-A(2)MS

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.1	5.8	8.8
122	8.8	9.4	14.2#

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#79

Butylbenzylphthalate

Concen: 27.50 ng

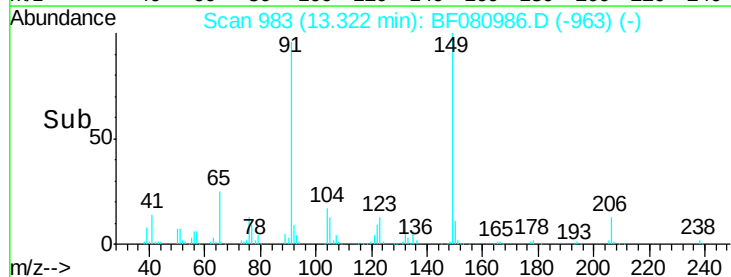
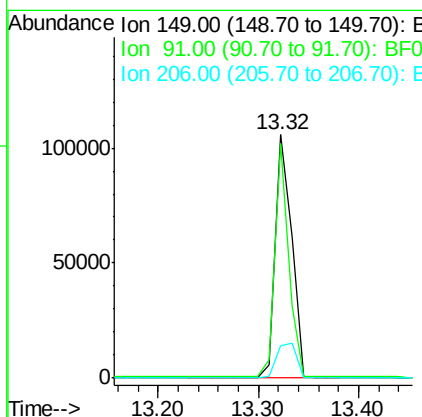
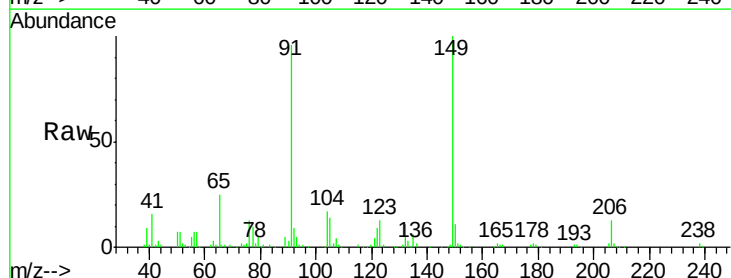
RT: 13.32 min Scan# 983

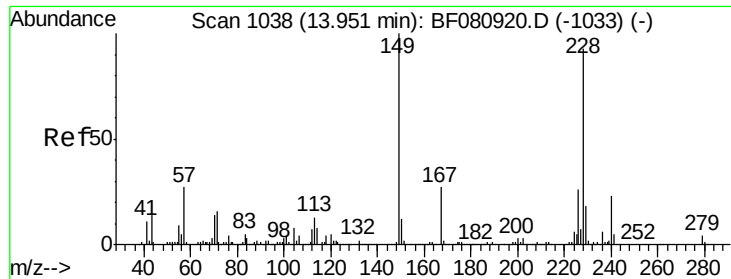
Delta R.T. -0.07 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	96.3	47.2	70.8#
206	13.2	16.5	24.7#





#80

Benzo(a)anthracene

Concen: 38.93 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.07 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

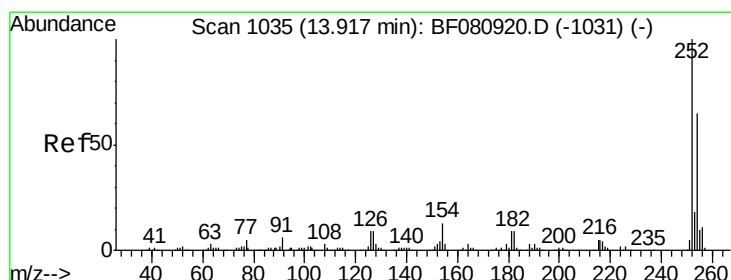
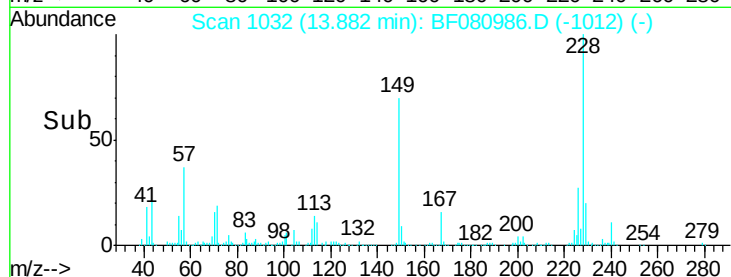
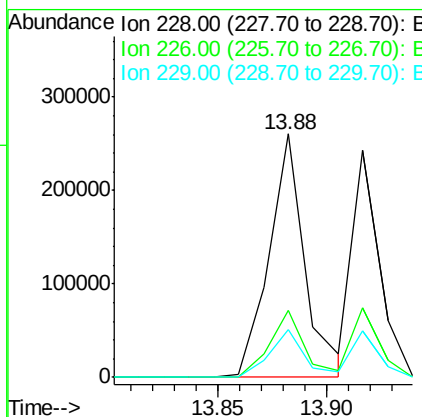
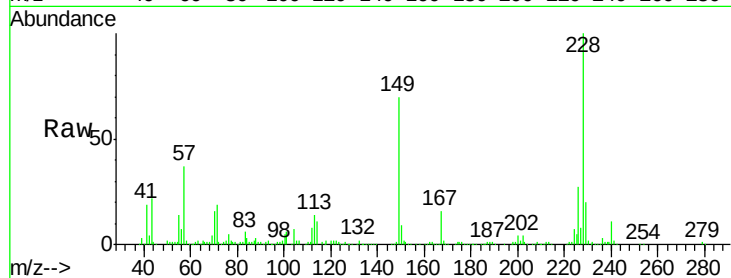
ClientSampleId :

S-A(2)MS

Tot Ion:	228	Resp:	300916
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.2	33.2
229	19.8	15.8	23.6

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#81

3,3'-Dichlorobenzidine

Concen: 12.46 ng

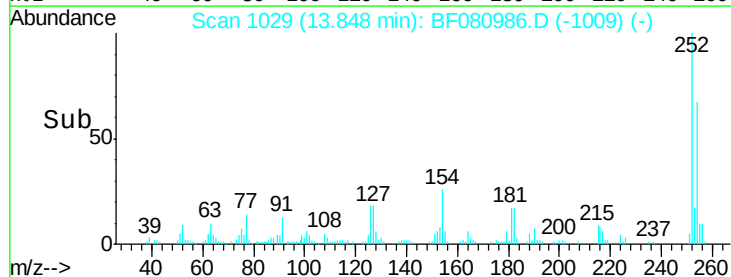
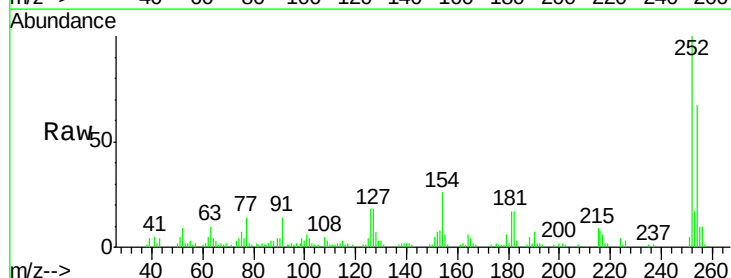
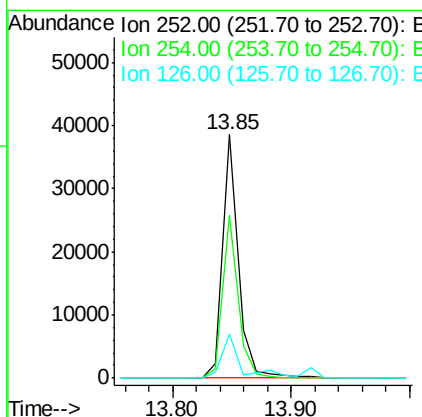
RT: 13.85 min Scan# 1029

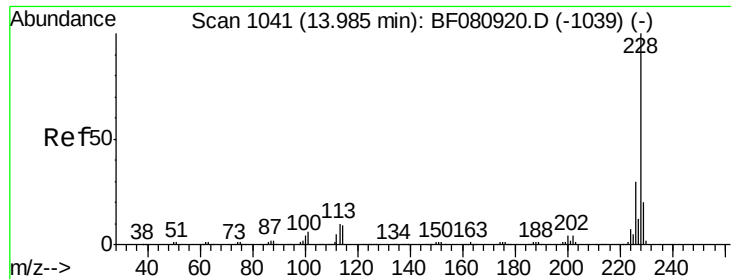
Delta R.T. -0.07 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	252	Resp:	35041
Ion Ratio	Lower	Upper	
252	100		
254	66.7	51.7	77.5
126	17.9	7.1	10.7#





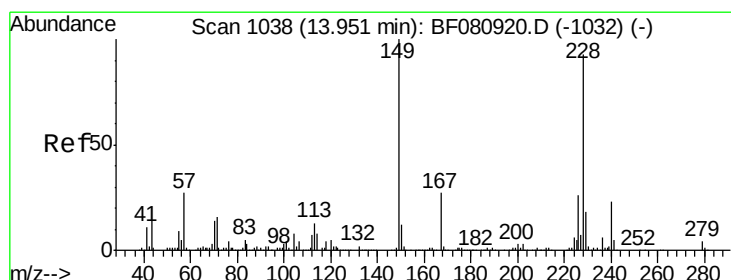
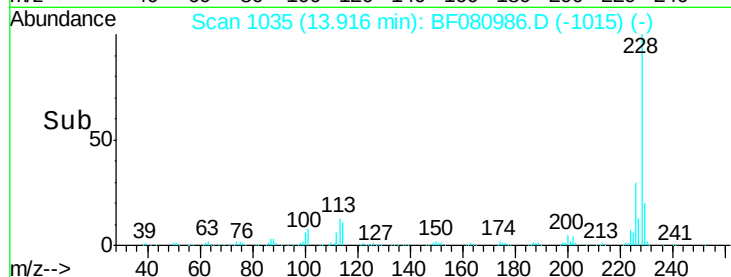
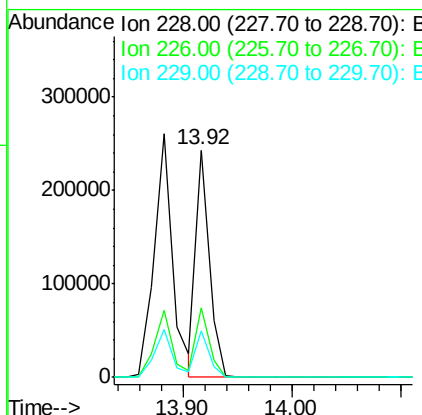
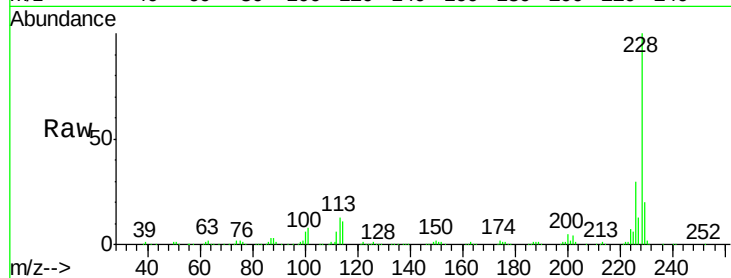
#82
 Chrysene
 Concen: 28.70 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.07 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Instrument :
 BNA_F
 ClientSampleId :
 S-A(2)MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	20.3	15.8	23.6

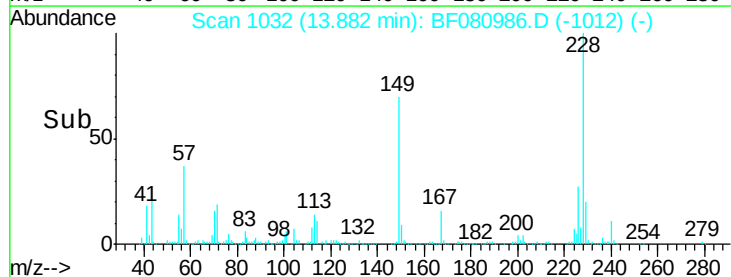
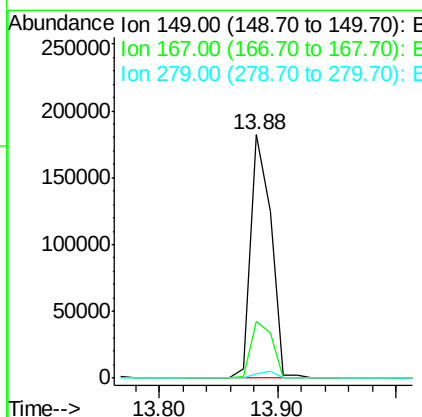
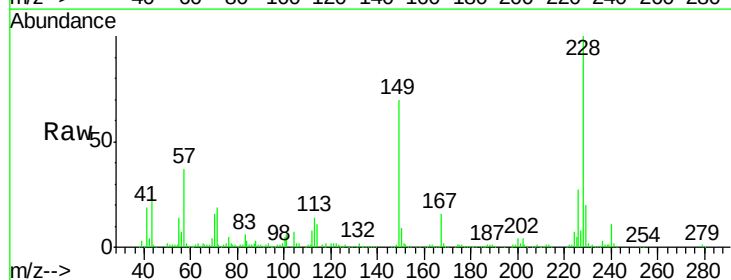
Manual Integrations
 APPROVED

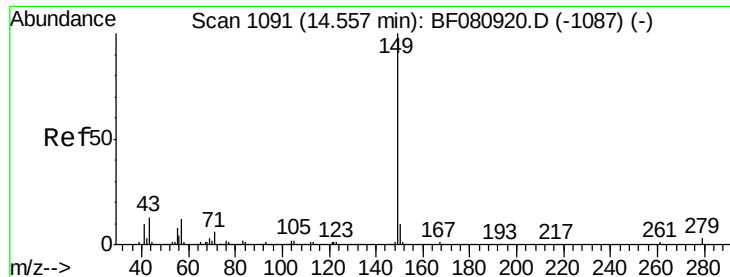
MMDadoda
 8/14/2015 3:08:52 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 36.11 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.07 min
 Lab File: BF080986.D
 Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.3	21.4	32.0
279	1.5	2.9	4.3#





#84

Di-n-octyl phthalate

Concen: 26.46 ng

RT: 14.50 min Scan# 1086

Delta R.T. -0.06 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Instrument :

BNA_F

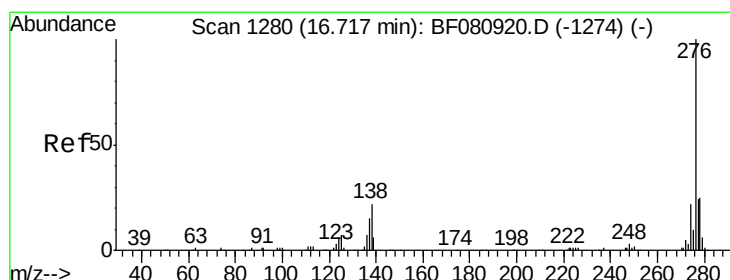
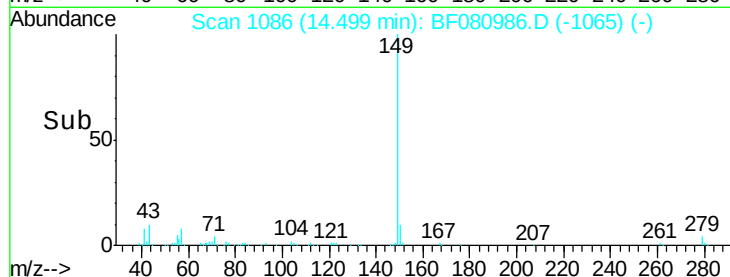
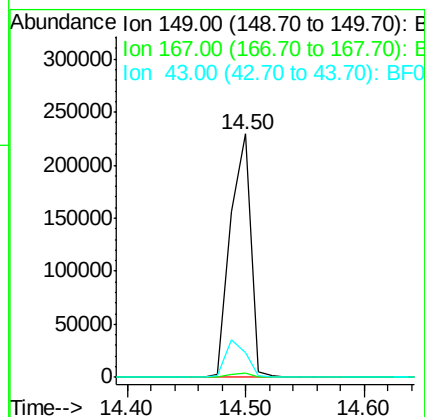
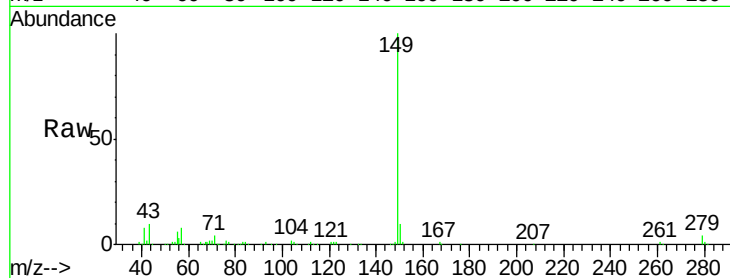
ClientSampleId :

S-A(2)MS

Tot Ion:	149	Resp:	272095
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.1	1.7
43	15.4	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 28.82 ng

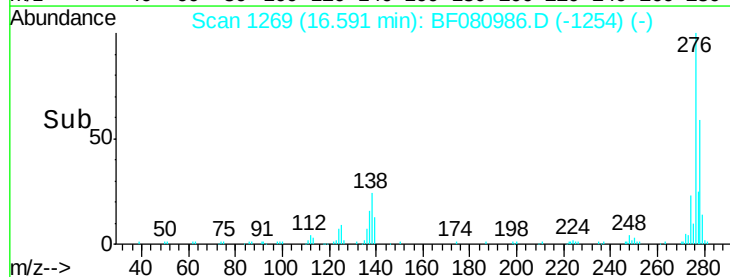
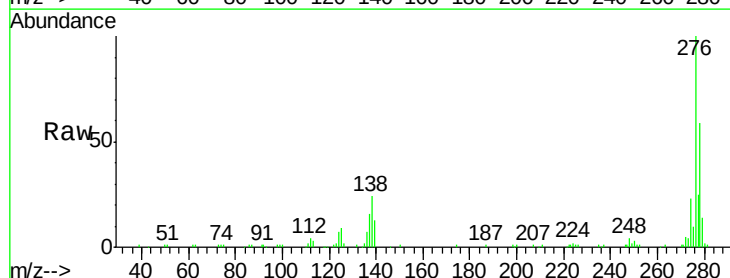
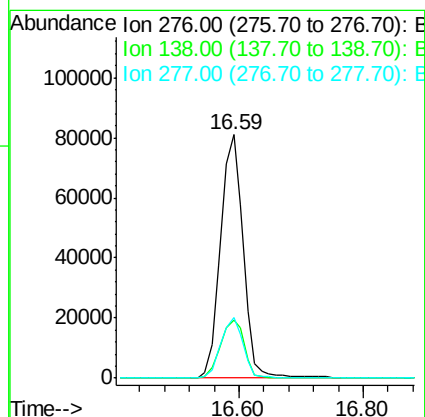
RT: 16.59 min Scan# 1269

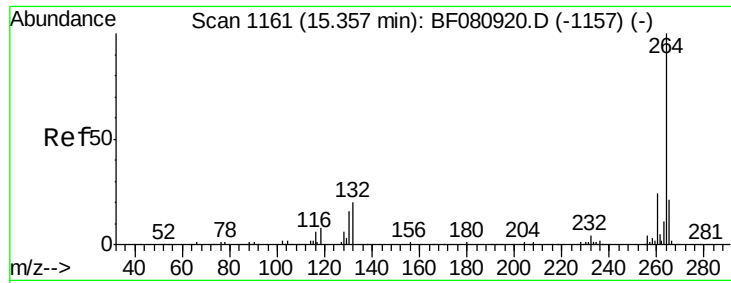
Delta R.T. -0.13 min

Lab File: BF080986.D

Acq: 13 Aug 2015 18:03

Tgt Ion:	276	Resp:	202988
Ion Ratio	Lower	Upper	
276	100		
138	25.1	19.9	29.9
277	24.4	19.7	29.5





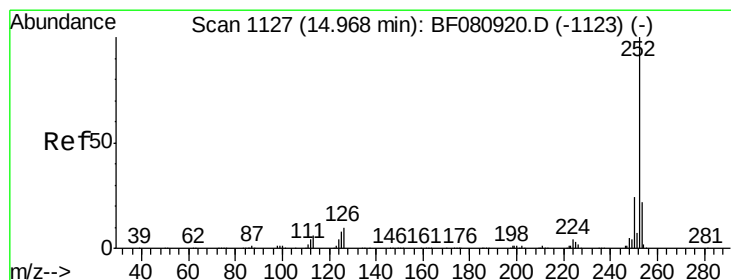
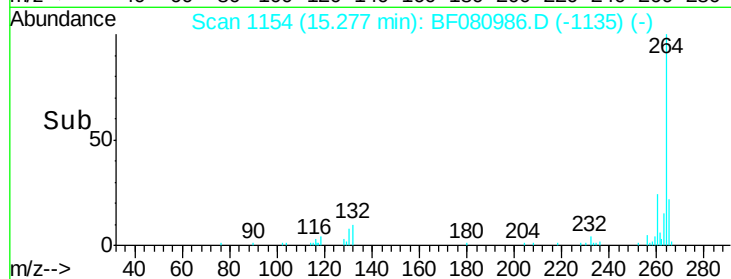
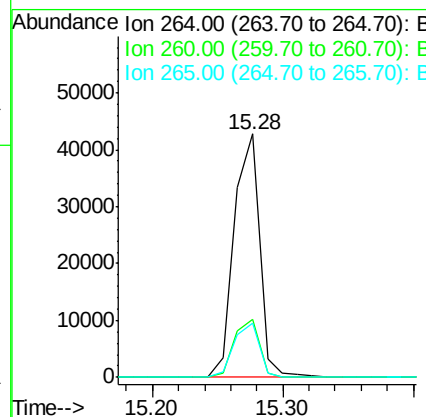
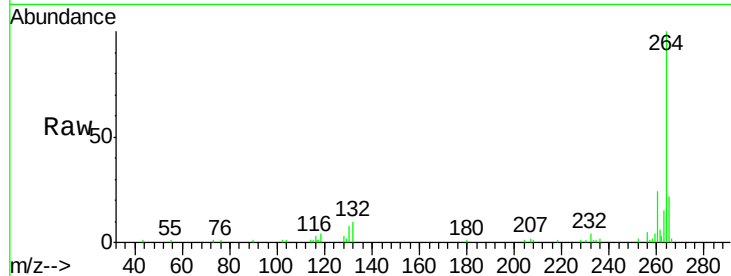
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.08 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	22.3	17.0	25.4

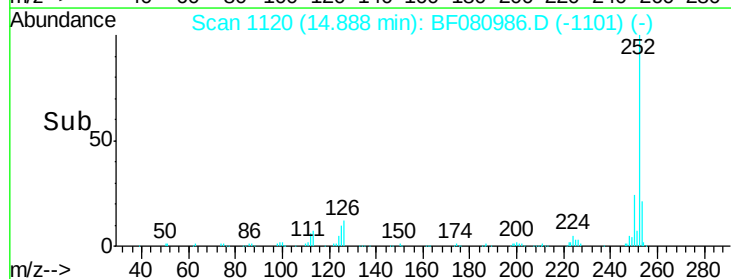
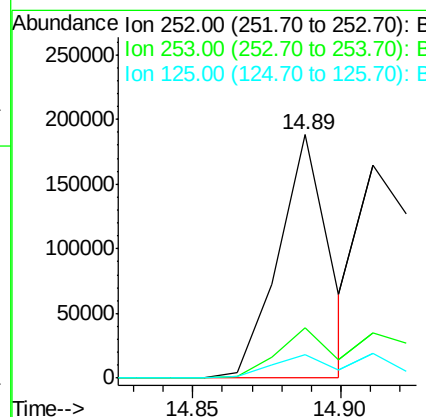
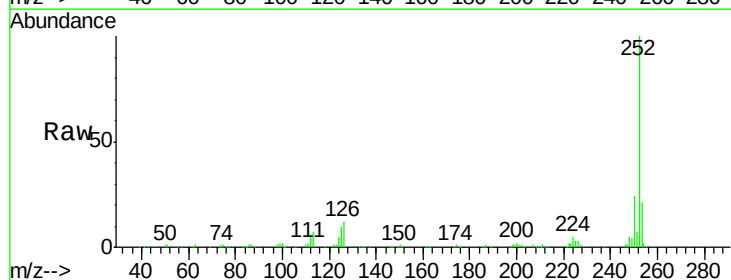
Manual Integrations
APPROVED

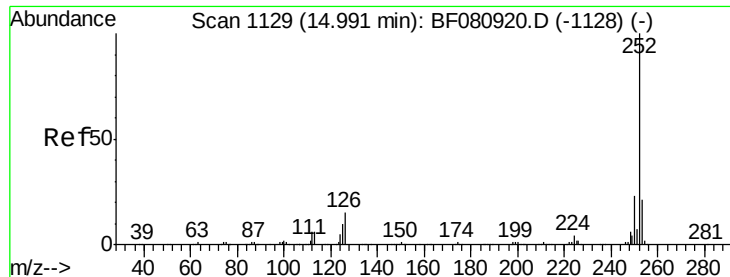
MMDadoda
8/14/2015 3:08:52 PM



#87
Benzo(b)fluoranthene
Concen: 56.26 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.08 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.6	26.4
125	9.6	6.1	9.1#





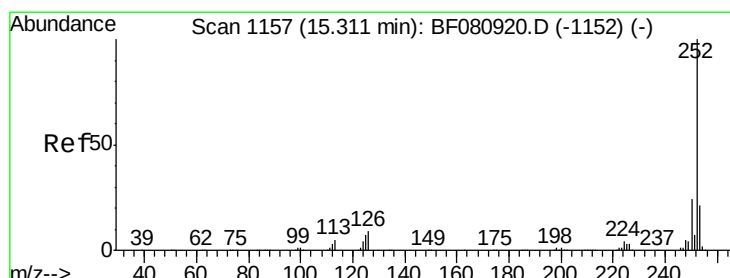
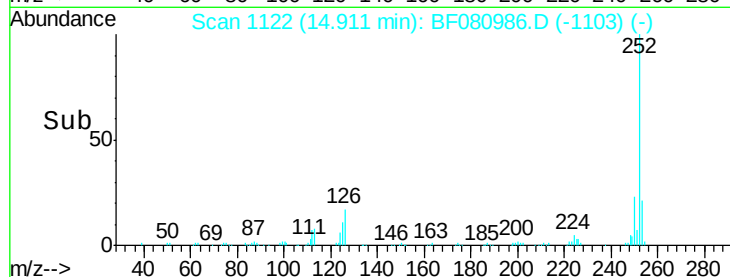
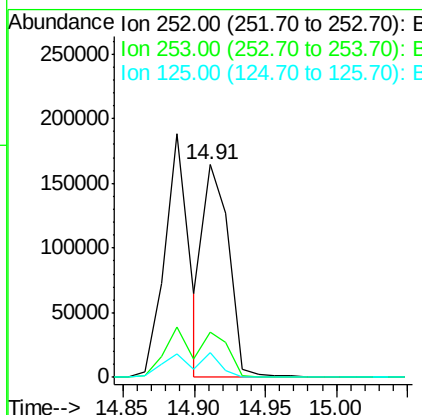
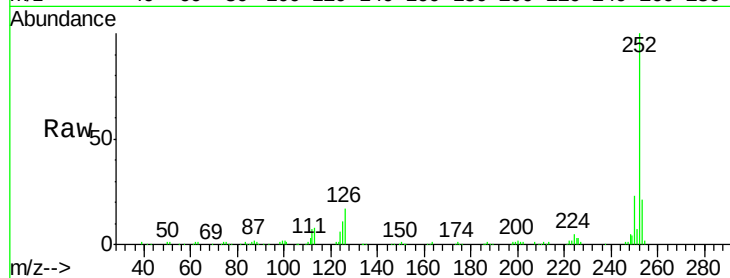
#88
Benzo(k)fluoranthene
Concen: 59.26 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.08 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	11.4	9.0	13.6

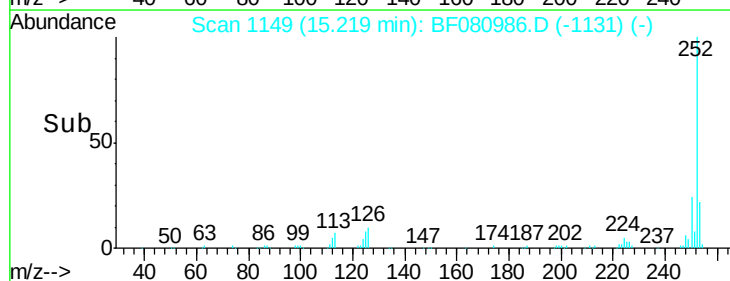
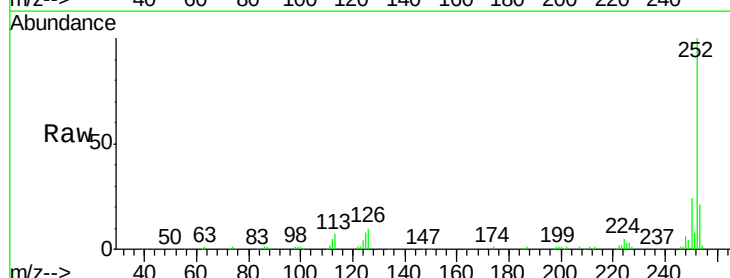
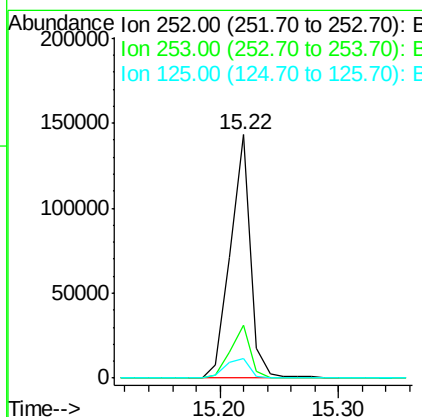
Manual Integrations
APPROVED

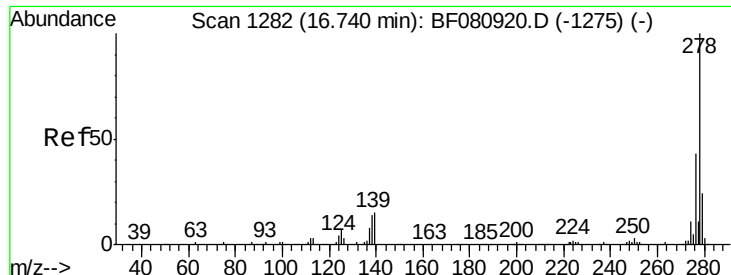
MMDadoda
8/14/2015 3:08:52 PM



#89
Benzo(a)pyrene
Concen: 48.69 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.09 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.9	25.3
125	8.2	5.8	8.8





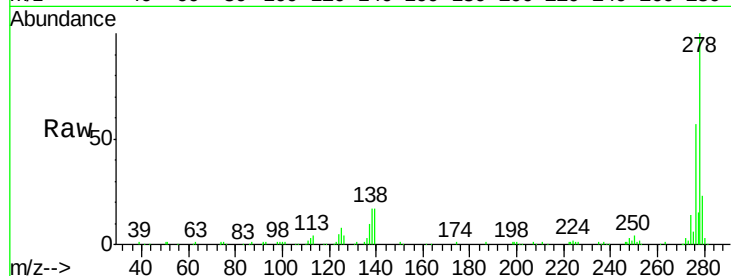
#90
Dibenzo(a,h)anthracene
Concen: 55.05 ng
RT: 16.60 min Scan# 1270
Delta R.T. -0.14 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Instrument :
BNA_F
ClientSampleId :
S-A(2)MS

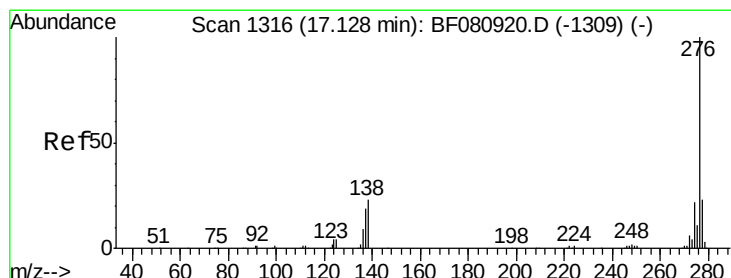
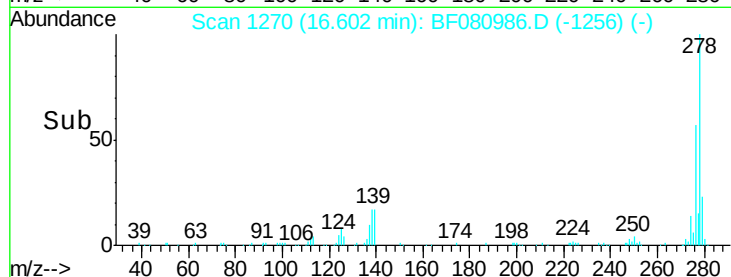
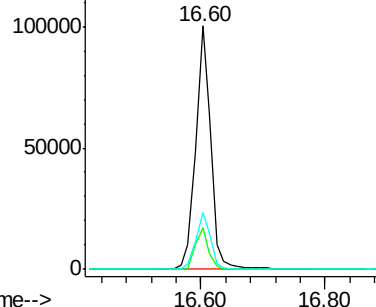
Tot Ion	Ratio	Resp	Lower	Upper
278	100	168229		
139	16.9		11.9	17.9
279	23.3		19.0	28.6

Manual Integrations
APPROVED

MMDadoda
8/14/2015 3:08:52 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 55.22 ng
RT: 16.98 min Scan# 1303
Delta R.T. -0.15 min
Lab File: BF080986.D
Acq: 13 Aug 2015 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	164151		
277	22.9		18.6	28.0
138	23.4		18.4	27.6

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

