

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
 Data File : BF082278.D
 Acq On : 14 Oct 2015 14:33
 Operator : UM/IZ
 Sample : PB86108BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Manual Integrations
 APPROVED

MMdadoda
 10/15/2015 4:55:36 PM

Quant Time: Oct 15 02:32:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 01:42:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	94710	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	372649	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	197164	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	393602	20.00	ng	0.00
75) Chrysene-d12	14.05	240	358460	20.00	ng	-0.08
86) Perylene-d12	15.56	264	309747	20.00	ng	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	496054	105.71	ng	0.01
7) Phenol-d6	6.47	99	675522	110.62	ng	0.00
23) Nitrobenzene-d5	7.39	82	399764	72.04	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	192538	104.13	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	835603	70.28	ng	-0.01
78) Terphenyl-d14	12.95	244	970607	71.75	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.45	88	60868	25.82	ng	93
3) Pyridine	3.15	79	170850	31.16	ng	96
4) n-Nitrosodimethylamine	3.12	42	71223	30.62	ng	97
6) Aniline	6.49	93	199578	25.35	ng	96
8) 2-Chlorophenol	6.61	128	195925	34.20	ng	87
9) Benzaldehyde	6.37	77	95922	30.76	ng	92
10) Phenol	6.48	94	249164	35.39	ng	92
11) bis(2-Chloroethyl)ether	6.56	93	187316	31.46	ng	92
12) 1,3-Dichlorobenzene	6.77	146	211005m	31.63	ng	
13) 1,4-Dichlorobenzene	6.83	146	215015	30.86	ng	96
14) 1,2-Dichlorobenzene	6.99	146	220776	33.37	ng	94
15) Benzyl Alcohol	6.97	79	152180	36.10	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.11	45	285926	34.48	ng	99
17) 2-Methylphenol	7.09	107	156278	34.50	ng	99
18) Hexachloroethane	7.34	117	73922	31.00	ng	# 76
19) n-Nitroso-di-n-propylamine	7.25	70	139246	32.47	ng	# 91
20) 3+4-Methylphenols	7.25	107	196813	36.46	ng	# 85
22) Acetophenone	7.23	105	263437	35.74	ng	96
24) Nitrobenzene	7.42	77	204353	34.02	ng	# 88
25) Isophorone	7.66	82	377668	33.72	ng	95
26) 2-Nitrophenol	7.73	139	100656	33.56	ng	# 81
27) 2,4-Dimethylphenol	7.77	122	187448	38.79	ng	98
28) bis(2-Chloroethoxy)methane	7.86	93	217922	33.44	ng	98
29) 2,4-Dichlorophenol	7.98	162	177791	36.81	ng	95
30) 1,2,4-Trichlorobenzene	8.06	180	186744	33.54	ng	95
31) Naphthalene	8.14	128	561219	34.74	ng	99
32) Benzoic acid	7.89	122	70950	21.88	ng	97
33) 4-Chloroaniline	8.19	127	135584	20.21	ng	# 94
34) Hexachlorobutadiene	8.25	225	115609	33.32	ng	98
35) Caprolactam	8.56	113	51614	36.82	ng	# 73
36) 4-Chloro-3-methylphenol	8.67	107	177789	37.64	ng	100
37) 2-Methylnaphthalene	8.82	142	383179	34.22	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	206294	35.18	ng	99
40) Hexachlorocyclopentadiene	8.97	237	152680	54.42	ng	96

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 10/15/2015 4:55:36 PM

Quant Time: Oct 15 02:32:13 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.11	196	134976	34.65	nq	99
43) 2,4,5-Trichlorophenol	9.15	196	146380	34.69	nq	97
45) 1,1'-Biphenyl	9.29	154	495753	32.97	nq	98
46) 2-Chloronaphthalene	9.31	162	382306	32.30	nq	94
47) 2-Nitroaniline	9.42	65	112516	34.63	nq	97
48) Acenaphthylene	9.74	152	656124	35.59	nq	99
49) Dimethylphthalate	9.60	163	480241	34.59	nq	100
50) 2,6-Dinitrotoluene	9.67	165	111553	38.08	nq	# 85
51) Acenaphthene	9.91	154	383658	34.66	nq	98
52) 3-Nitroaniline	9.83	138	71012	21.46	nq	# 73
53) 2,4-Dinitrophenol	9.94	184	91361	57.74	nq	95
54) Dibenzofuran	10.08	168	575095	37.84	nq	100
55) 4-Nitrophenol	10.01	139	146379	68.09	nq	83
56) 2,4-Dinitrotoluene	10.07	165	139282	38.04	nq	98
57) Fluorene	10.42	166	463394	37.13	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.19	232	122450	35.52	nq	99
59) Diethylphthalate	10.30	149	464984	35.93	nq	98
60) 4-Chlorophenyl-phenylether	10.41	204	199624	34.92	nq	99
61) 4-Nitroaniline	10.46	138	110824	34.53	nq	97
62) Azobenzene	10.57	77	447619	35.34	nq	99
64) 4,6-Dinitro-2-methylphenol	10.48	198	73385	33.22	nq	99
65) n-Nitrosodiphenylamine	10.54	169	400109	33.95	nq	99
66) 4-Bromophenyl-phenylether	10.90	248	127069	32.26	nq	95
67) Hexachlorobenzene	10.97	284	144323	33.88	nq	96
68) Atrazine	11.06	200	129101	34.58	nq	98
69) Pentachlorophenol	11.17	266	150922	68.85	nq	97
70) Phenanthrene	11.38	178	653511	33.87	nq	100
71) Anthracene	11.44	178	763786	38.42	nq	100
72) Carbazole	11.60	167	655550	36.15	nq	98
73) Di-n-butylphthalate	11.92	149	759096	33.93	nq	100
74) Fluoranthene	12.57	202	695030	33.54	nq	96
76) Benzidine	12.71	184	344868	33.20	nq	99
77) Pyrene	12.80	202	768857	36.14	nq	99
79) Butylbenzylphthalate	13.44	149	347145	35.76	nq	# 85
80) Benzo(a)anthracene	14.04	228	666219	35.72	nq	99
81) 3,3'-Dichlorobenzidine	13.99	252	168795	23.84	nq	# 99
82) Chrysene	14.07	228	660515	33.61	nq	98
83) Bis(2-ethylhexyl)phthalate	14.02	149	462217	33.37	nq	# 97
84) Di-n-octyl phthalate	14.69	149	735527	30.92	nq	99
85) Indeno(1,2,3-cd)pyrene	16.98	276	520480	33.32	nq	100
87) Benzo(b)fluoranthene	15.13	252	577519m	30.65	nq	
88) Benzo(k)fluoranthene	15.17	252	644336m	40.68	nq	
89) Benzo(a)pyrene	15.50	252	578549	35.72	nq	# 96
90) Dibenzo(a,h)anthracene	17.01	278	434016	32.70	nq	# 96
91) Benzo(g,h,i)perylene	17.42	276	424655	32.94	nq	97

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

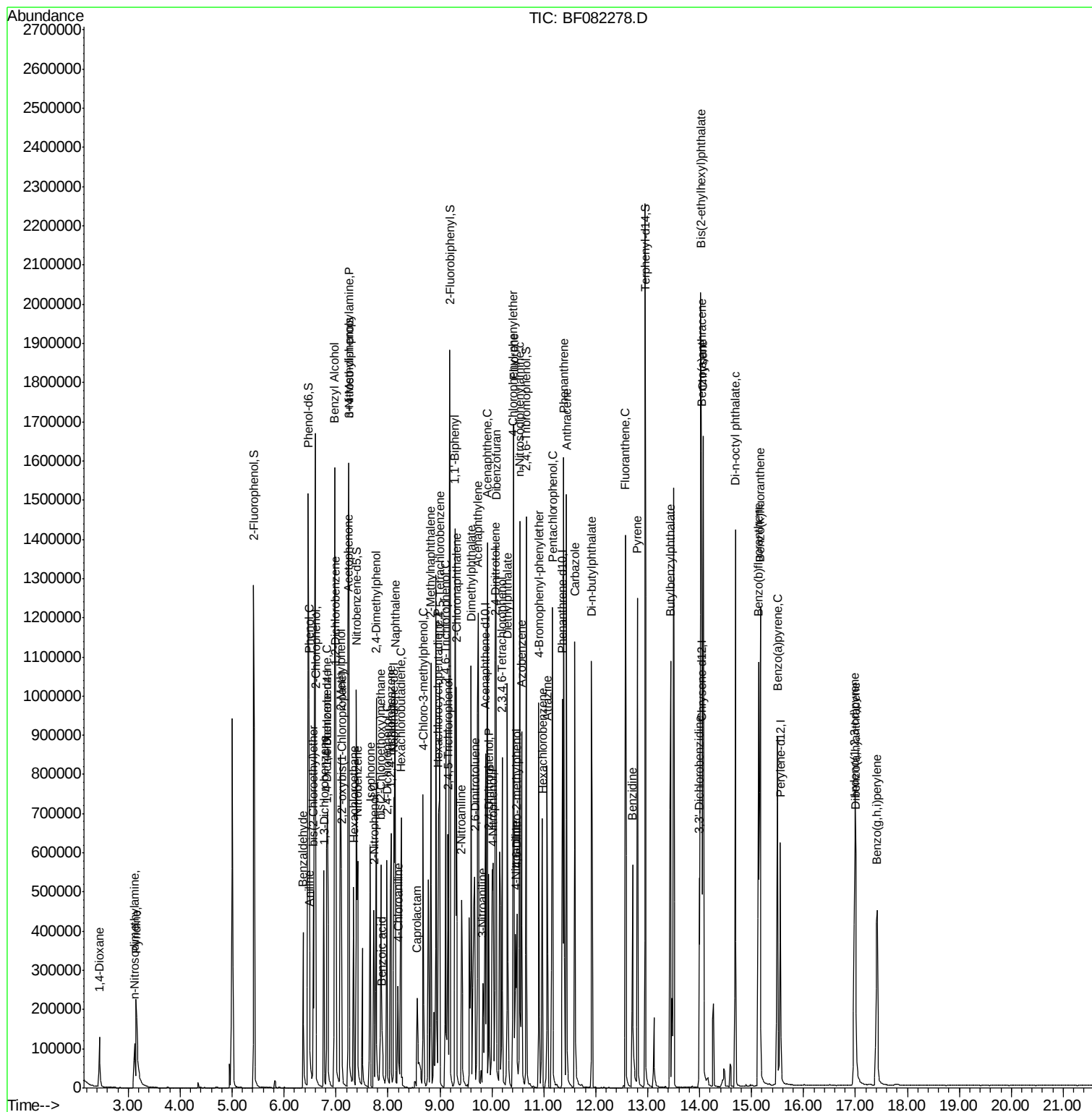
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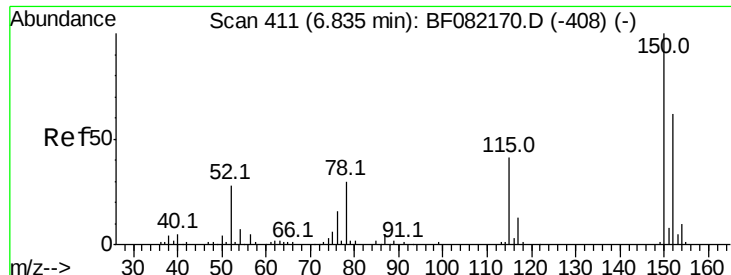
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

ClientSampleId :

PB86108BS

Tot Ion:152 Resp: 94710

Ion Ratio Lower Upper

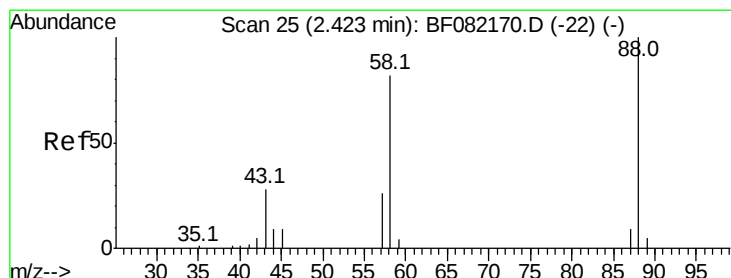
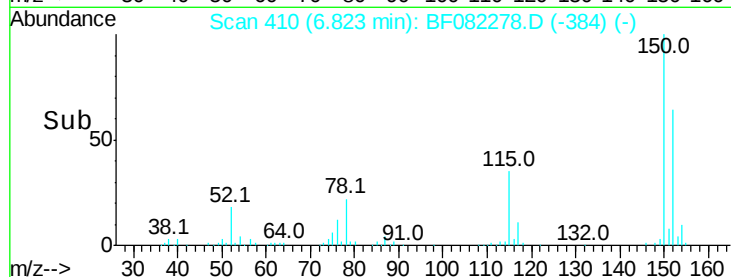
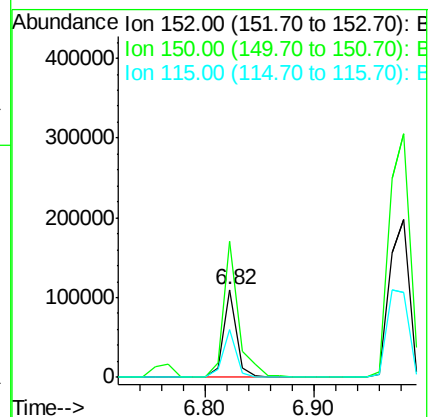
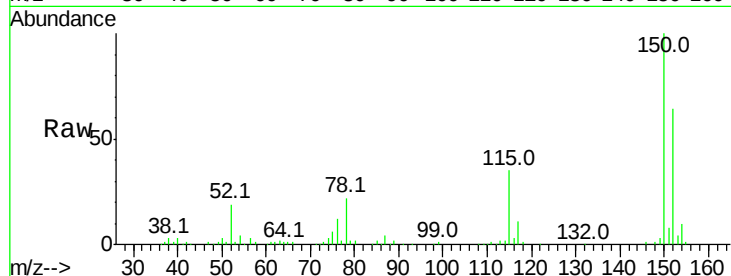
152 100

150 155.8 129.0 193.4

115 54.4 52.1 78.1

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#2

1,4-Dioxane

Concen: 25.82 ng

RT: 2.45 min Scan# 27

Delta R.T. 0.09 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

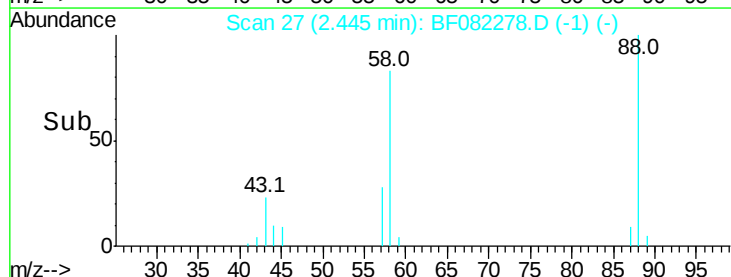
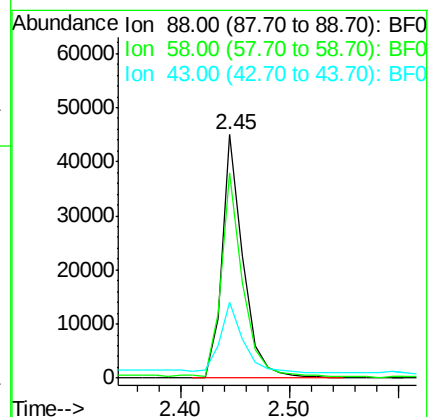
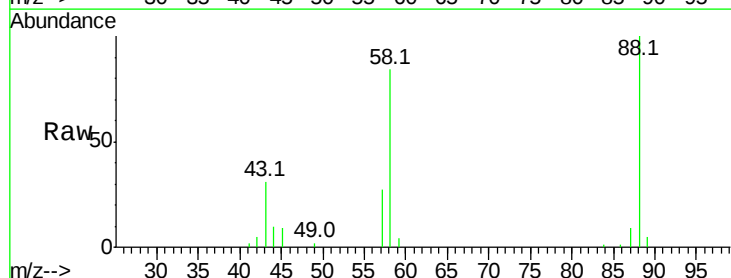
Tgt Ion: 88 Resp: 60868

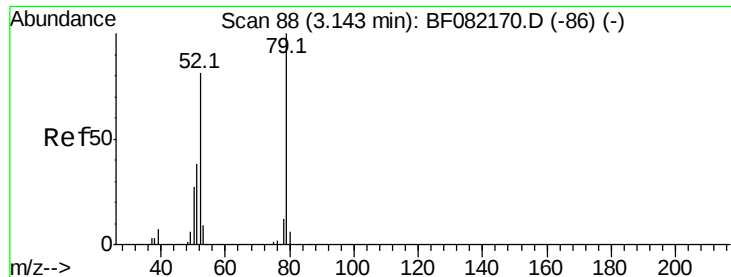
Ion Ratio Lower Upper

88 100

58 89.6 66.2 99.4

43 31.8 23.0 34.4





#3

Pvridine

Concen: 31.16 ng

RT: 3.15 min Scan# 89

Delta R.T. 0.08 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

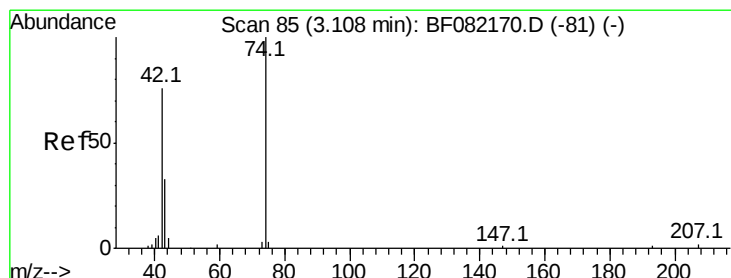
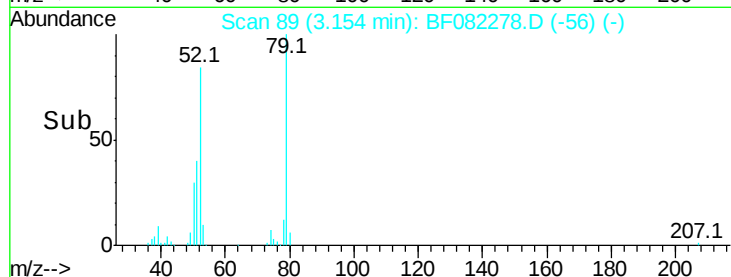
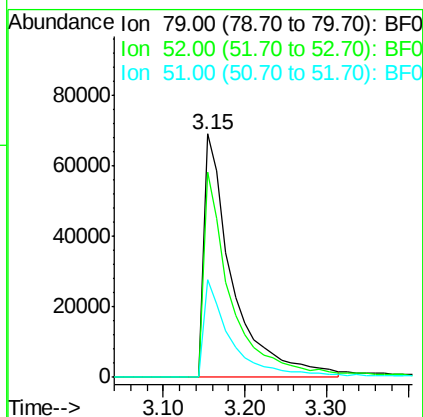
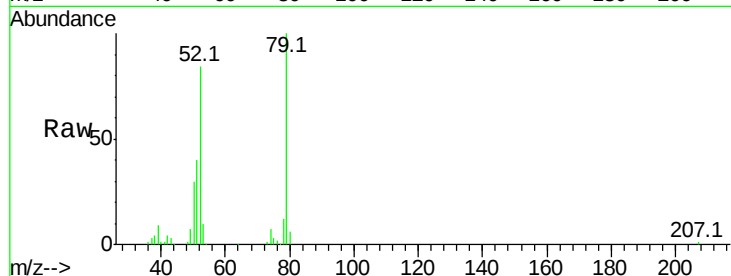
ClientSampleId :

PB86108BS

Tot Ion:	79	Resp:	170850
Ion Ratio	Lower	Upper	
79	100		
52	84.1	64.4	96.6
51	40.0	30.5	45.7

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#4

n-Nitrosodimethylamine

Concen: 30.62 ng

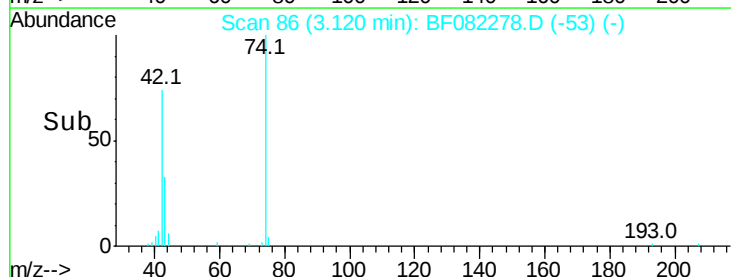
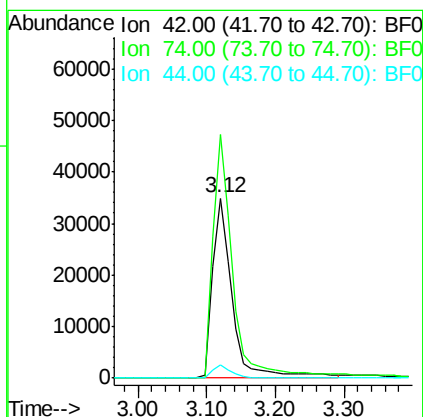
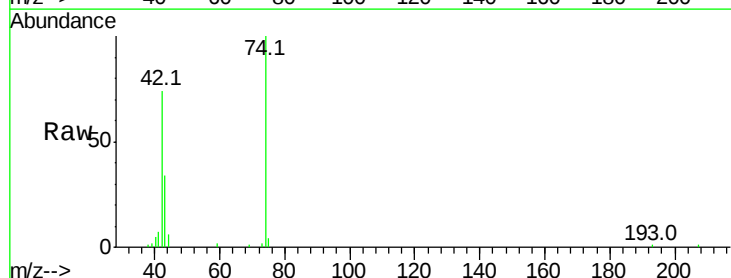
RT: 3.12 min Scan# 86

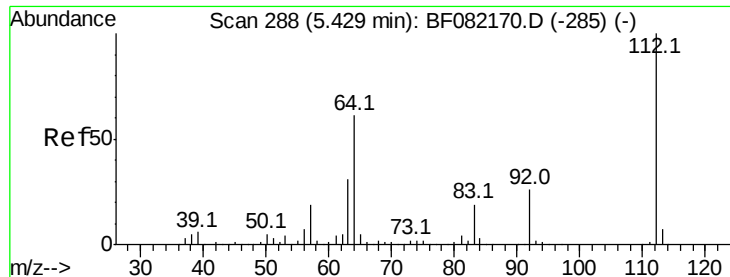
Delta R.T. 0.08 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	42	Resp:	71223
Ion Ratio	Lower	Upper	
42	100		
74	135.4	105.7	158.5
44	7.6	5.4	8.2





#5

2-Fluorophenol

Concen: 105.71 ng

RT: 5.42 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

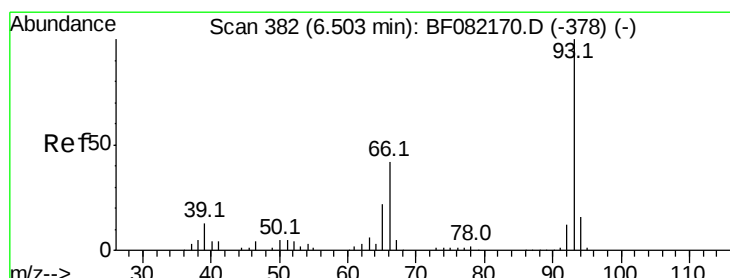
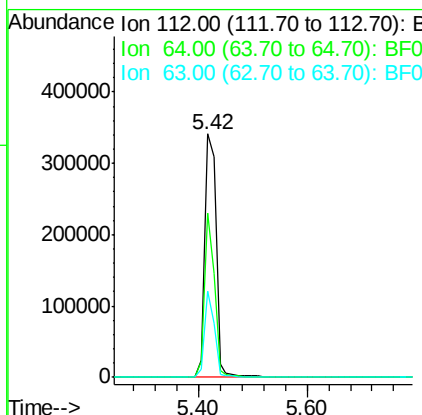
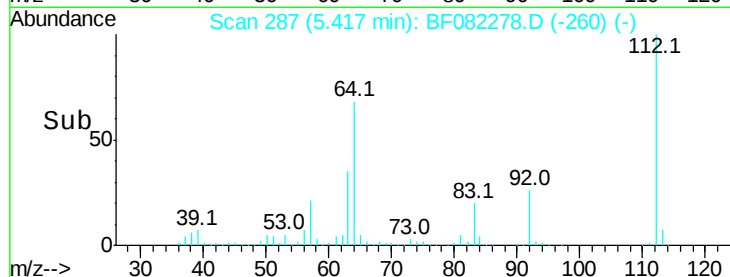
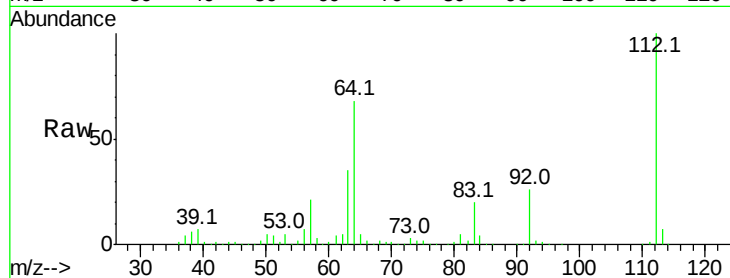
ClientSampleId :

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Tot Ion:	112	Resp:	496054
Ion Ratio	Lower	Upper	
112	100		
64	67.7	48.6	73.0
63	35.4	25.1	37.7

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#6

Aniline

Concen: 25.35 ng

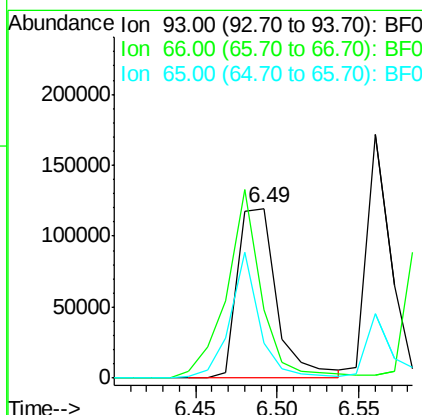
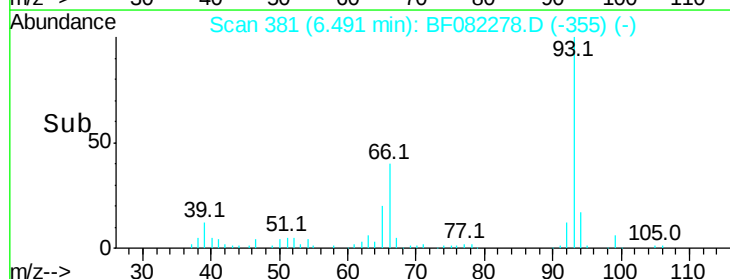
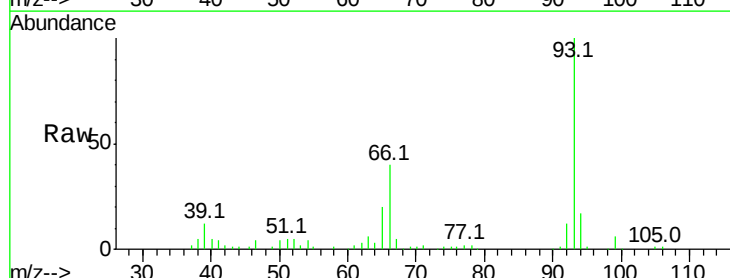
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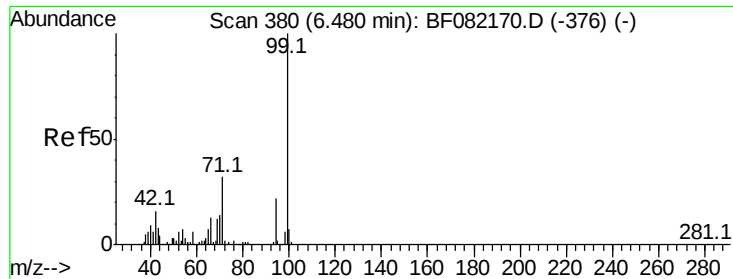
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	93	Resp:	199578
Ion Ratio	Lower	Upper	
93	100		
66	39.9	34.2	51.2
65	20.2	17.9	26.9





#7

Phenol-d6

Concen: 110.62 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

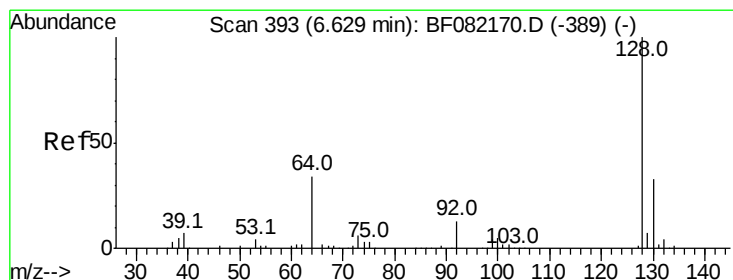
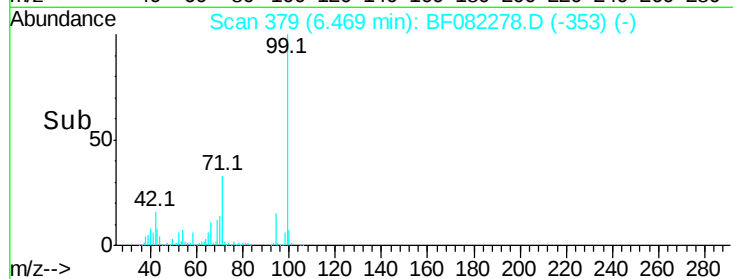
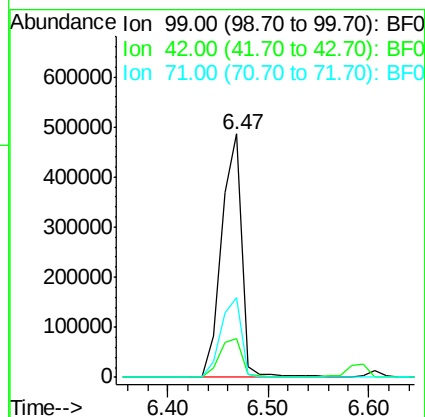
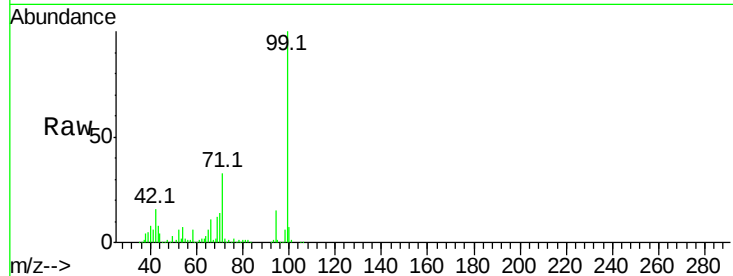
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Tot Ion	Ratio	Resp	Lower	Upper
99	100	675522		
42	16.2	13.2	19.8	
71	32.6	25.6	38.4	



#8

2-Chlorophenol

Concen: 34.20 ng

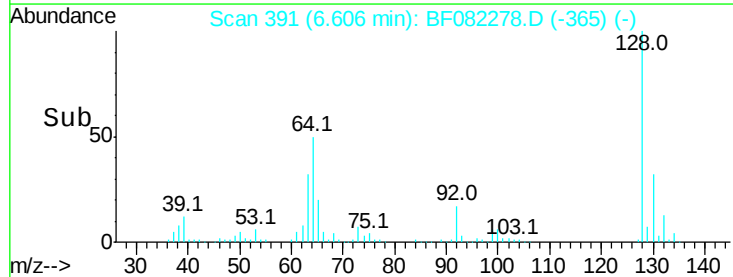
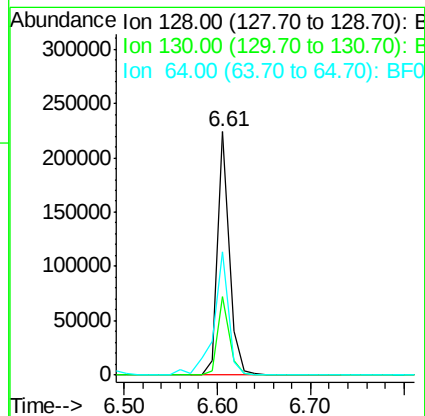
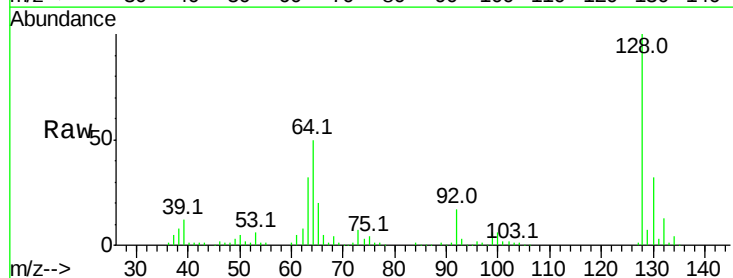
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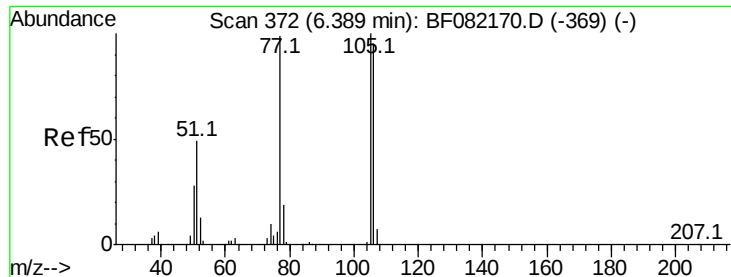
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	195925		
130	32.1	12.6	52.6	
64	50.4	16.7	56.7	





#9

Benzaldehyde

Concen: 30.76 ng

RT: 6.37 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

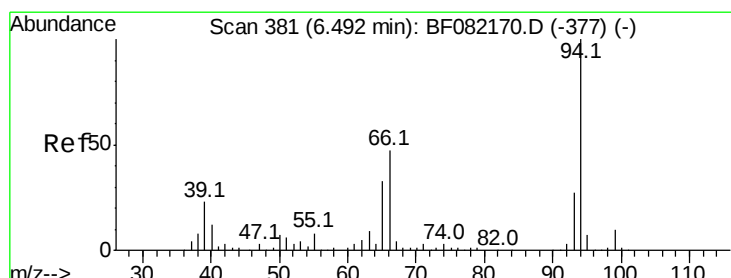
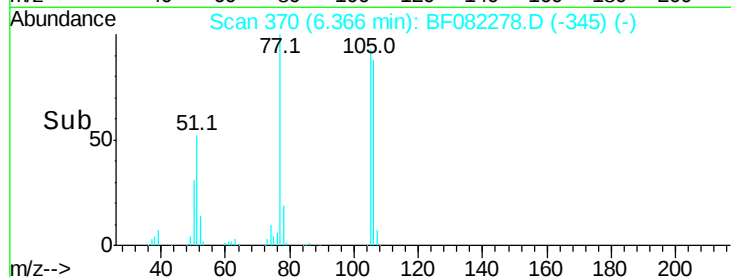
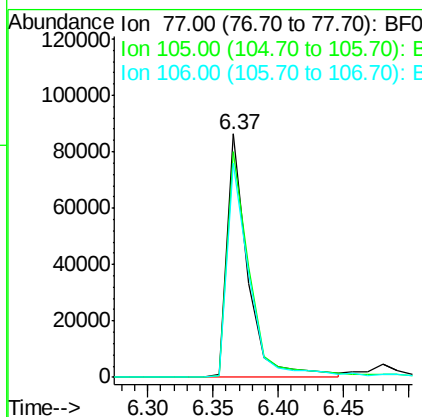
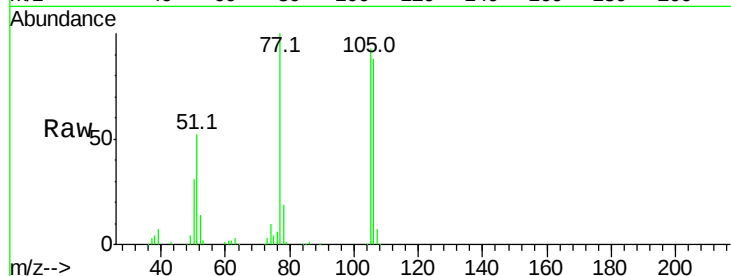
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Tot Ion:	77	Resp:	95922
Ion Ratio	Lower	Upper	
77	100		
105	92.7	80.6	120.6
106	88.2	75.5	115.5



#10

Phenol

Concen: 35.39 ng

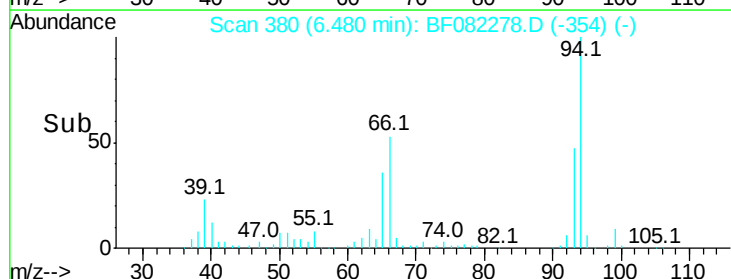
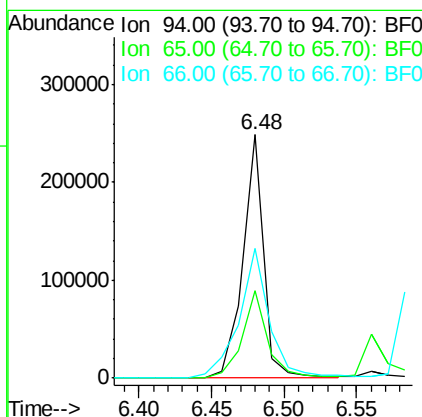
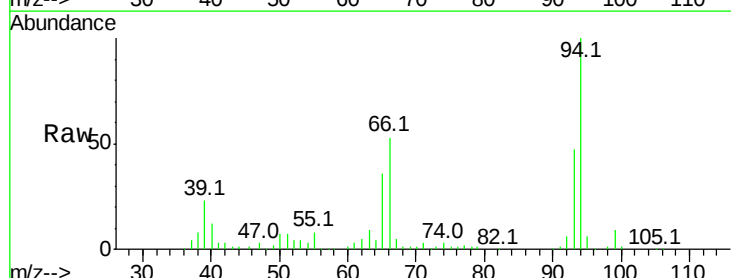
RT: 6.48 min Scan# 380

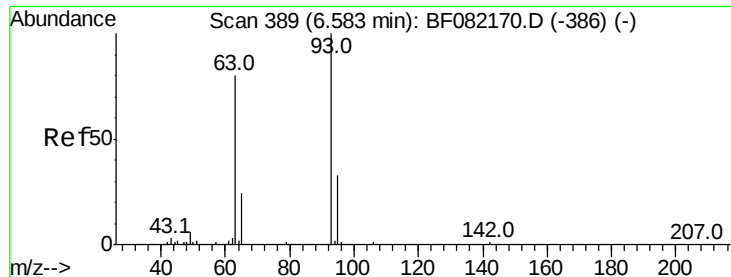
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	94	Resp:	249164
Ion Ratio	Lower	Upper	
94	100		
65	35.8	12.6	52.6
66	53.4	27.3	67.3





#11

bis(2-Chloroethyl)ether

Concen: 31.46 ng

RT: 6.56 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

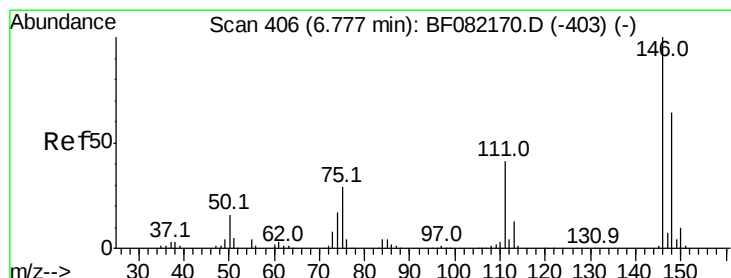
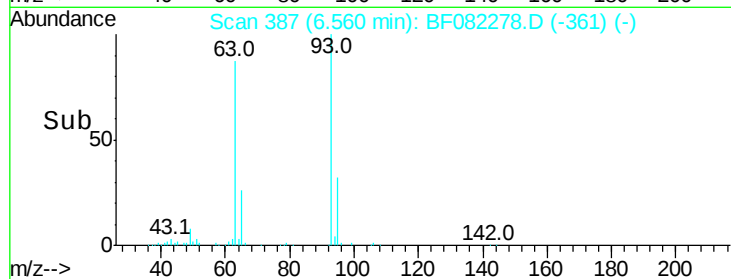
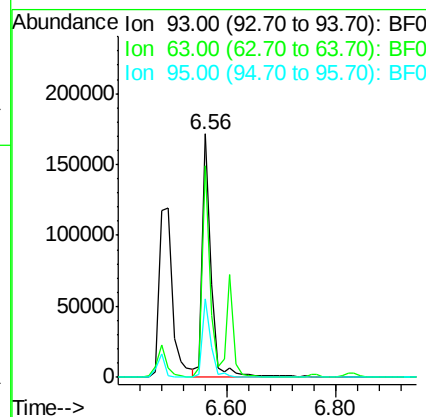
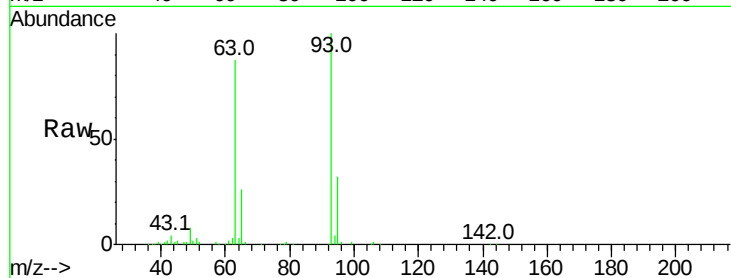
ClientSampleId :

PB86108BS

Tot Ion:	93	Resp:	187316
Ion Ratio	Lower	Upper	
93	100		
63	86.8	57.1	97.1
95	32.0	11.9	51.9

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#12

1,3-Dichlorobenzene

Concen: 31.63 ng m

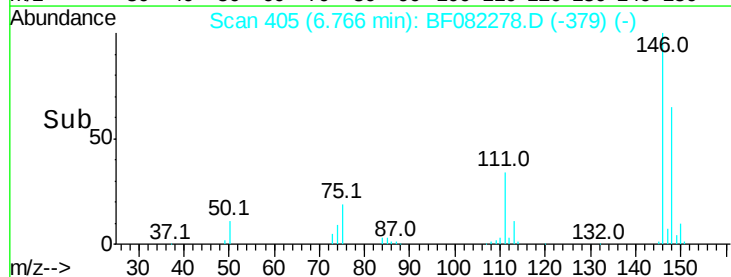
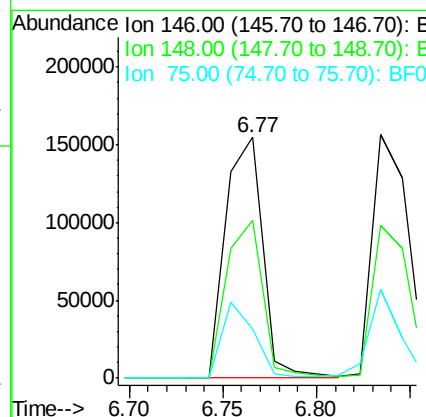
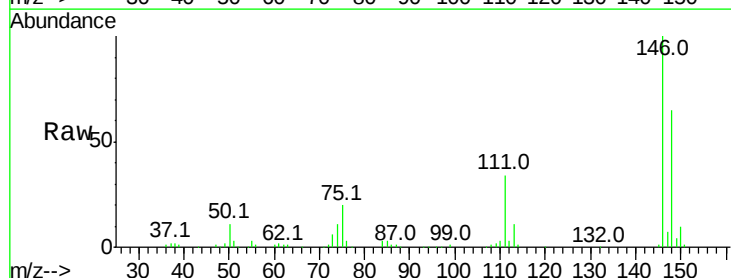
RT: 6.77 min Scan# 405

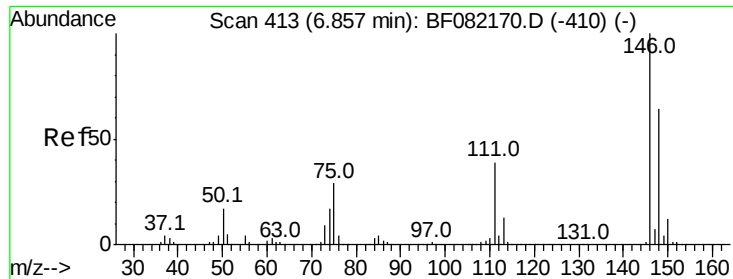
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	146	Resp:	211005
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.4	77.2
75	20.2	23.0	34.6#





#13

1,4-Dichlorobenzene

Concen: 30.86 ng

RT: 6.83 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

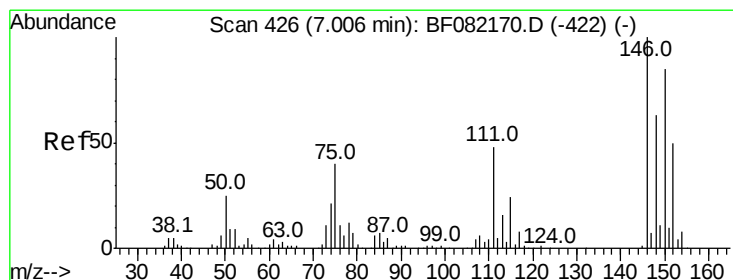
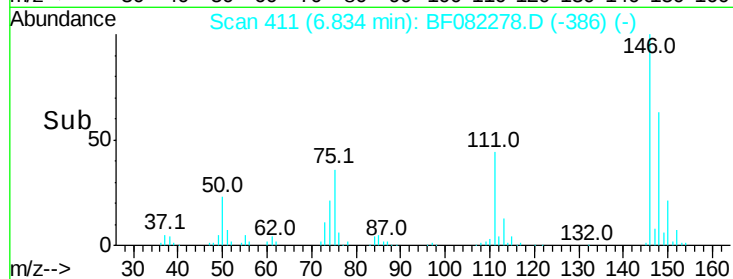
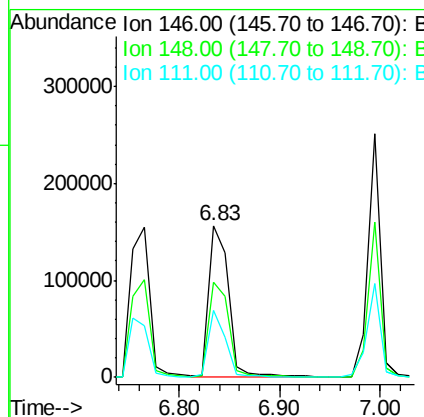
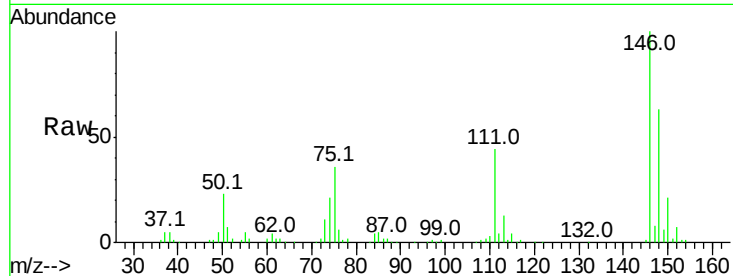
ClientSampleId :

PB86108BS

Tot Ion:	146	Resp:	215015
Ion Ratio	Lower	Upper	
146	100		
148	62.8	51.0	76.4
111	44.1	31.1	46.7

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#14

1,2-Dichlorobenzene

Concen: 33.37 ng

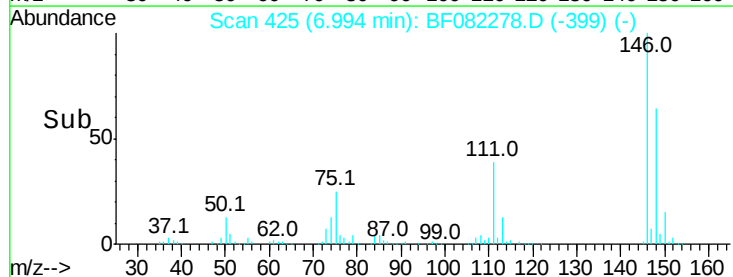
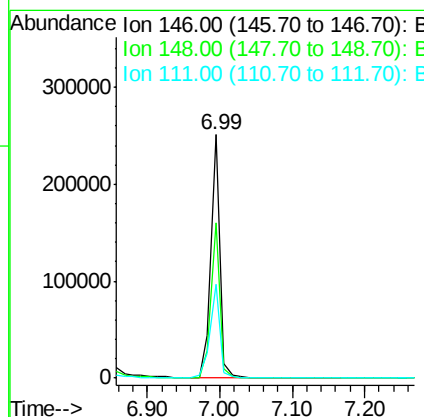
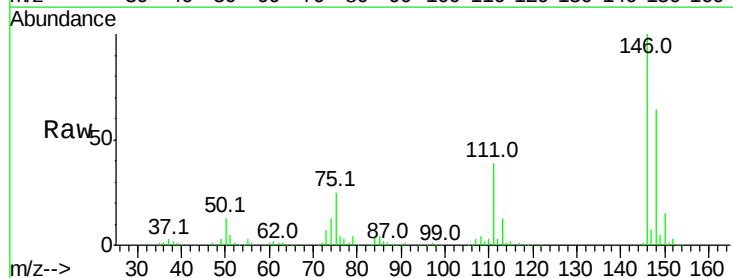
RT: 6.99 min Scan# 425

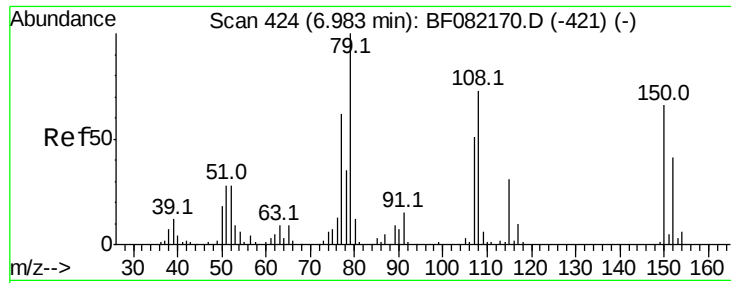
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	146	Resp:	220776
Ion Ratio	Lower	Upper	
146	100		
148	63.6	50.5	75.7
111	38.6	38.5	57.7





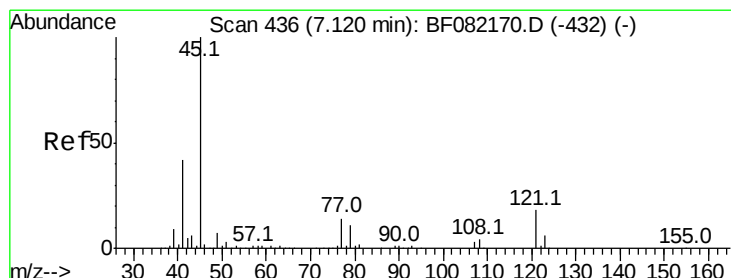
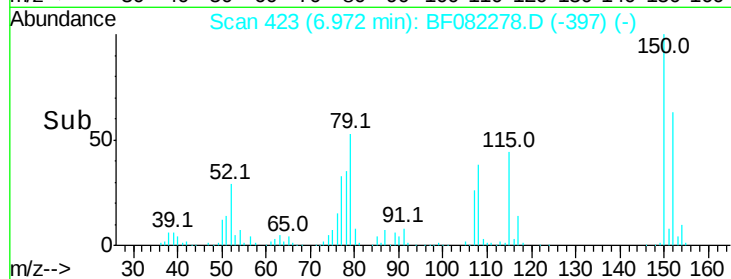
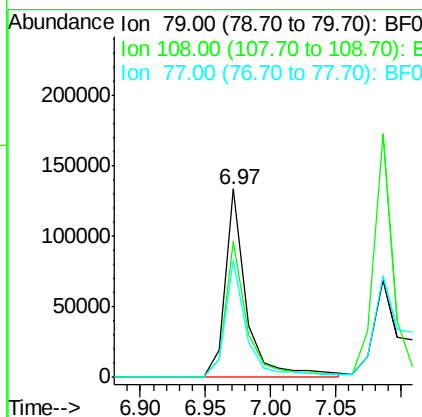
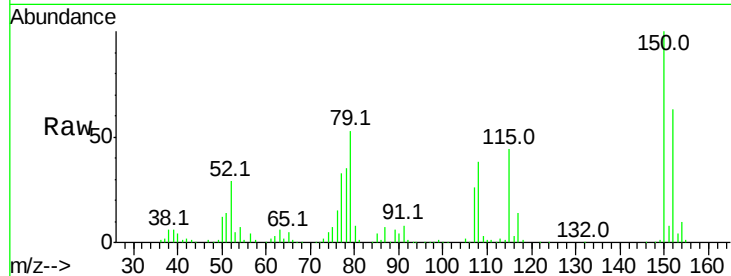
#15
Benzyl Alcohol
Concen: 36.10 ng
RT: 6.97 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	71.9	58.4	87.6
77	62.4	49.8	74.6

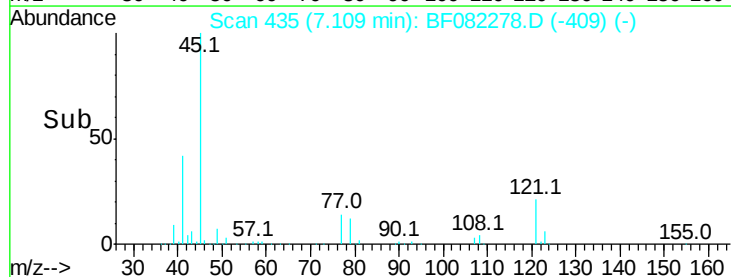
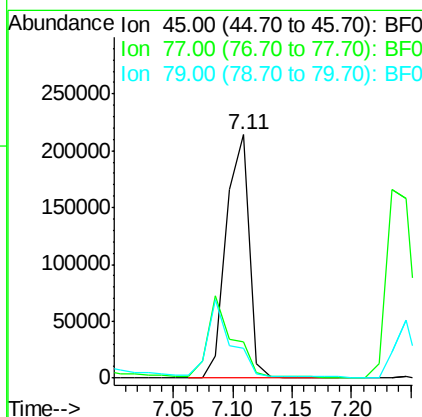
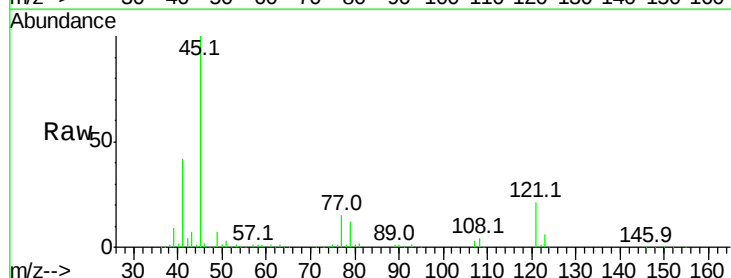
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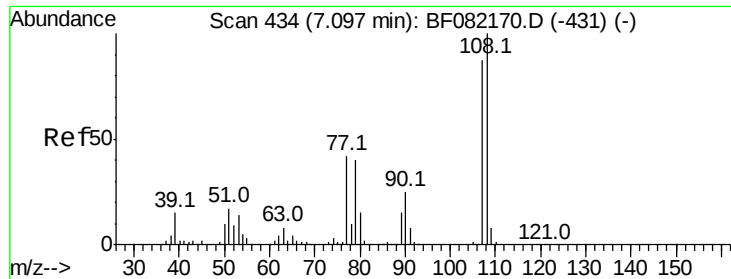
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.48 ng
RT: 7.11 min Scan# 435
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	34.5
79	12.2	0.0	31.6





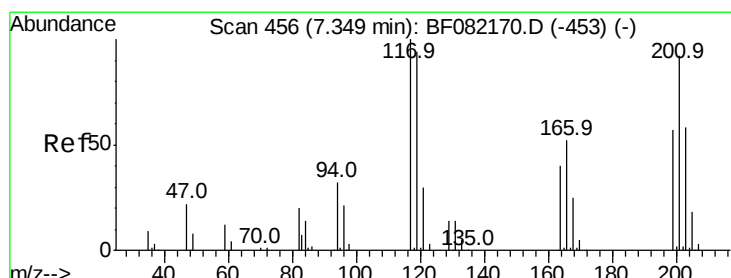
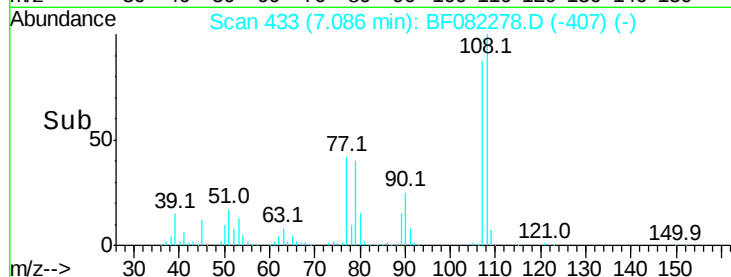
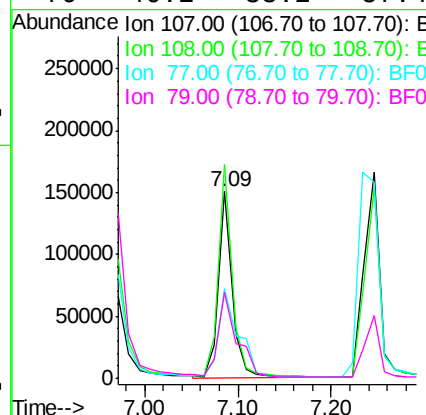
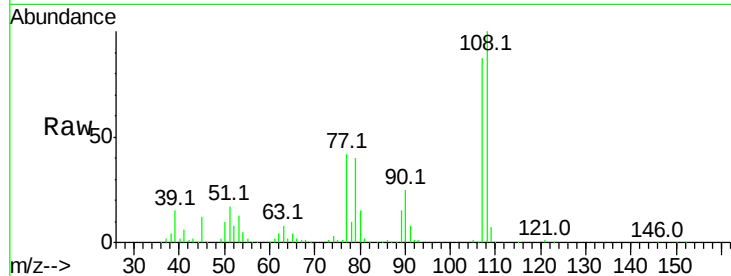
#17
2-Methylphenol
Concen: 34.50 ng
RT: 7.09 min Scan# 433
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	114.6	92.2	138.2	
77	77	47.9	39.6	59.4	
79	79	46.2	38.2	57.4	

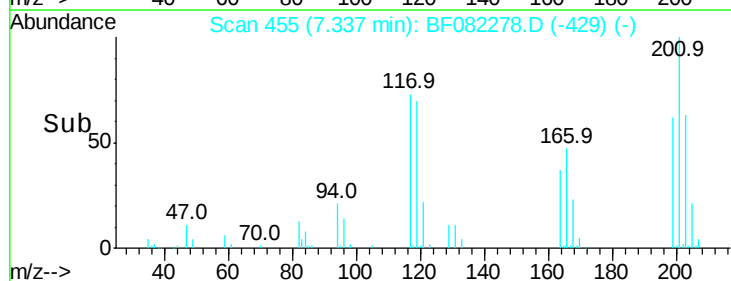
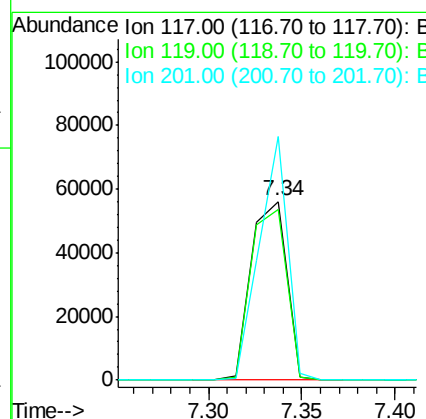
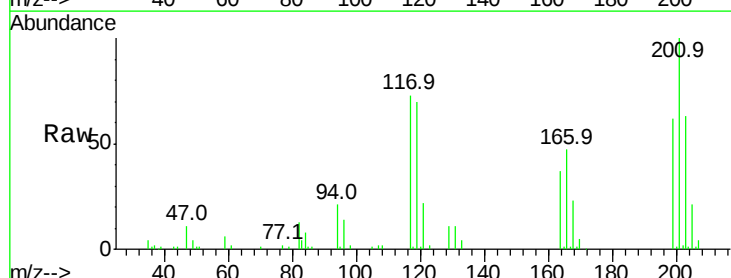
Manual Integrations
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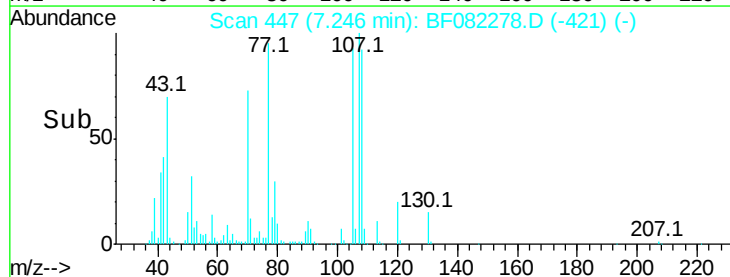
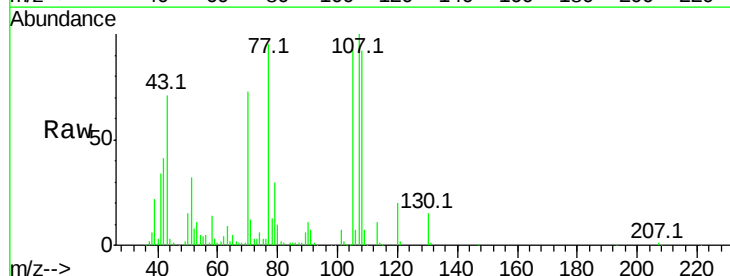
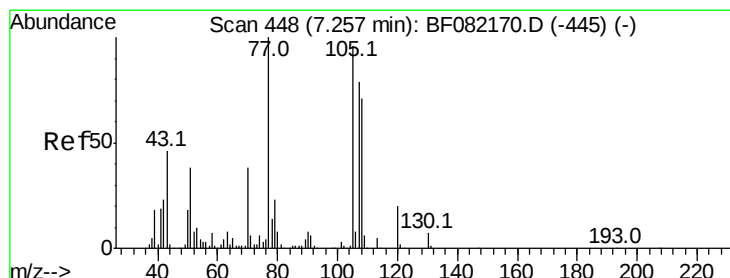
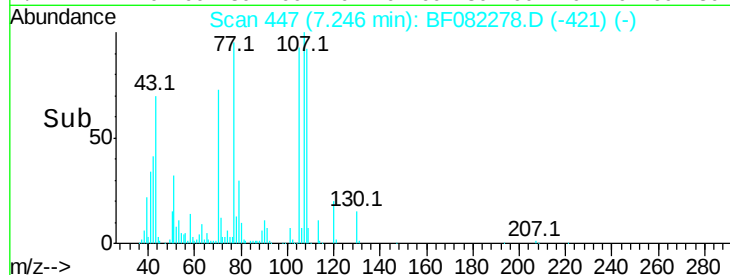
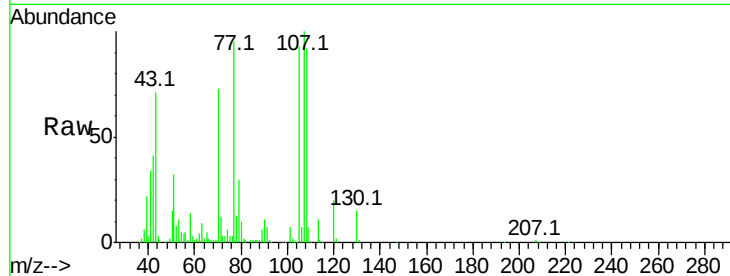
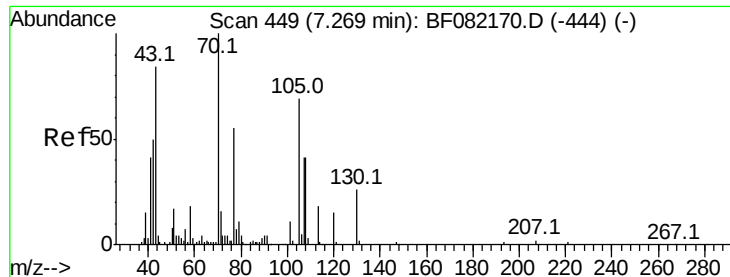
MMdadoda
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#18
Hexachloroethane
Concen: 31.00 ng
RT: 7.34 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100			
119	119	95.9	75.4	113.2	
201	201	136.5	73.4	110.0#	





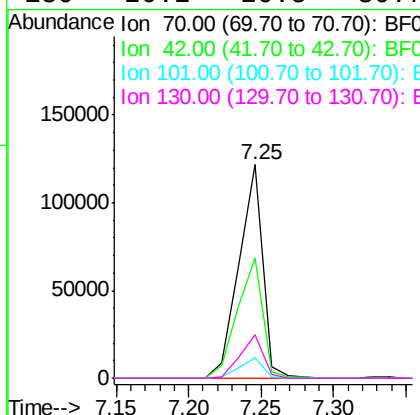
#19
n-Nitroso-di-n-propylamine
Concen: 32.47 ng
RT: 7.25 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	56.2	39.8	59.8		
101	9.7	8.6	13.0		
130	20.2	20.5	30.7		

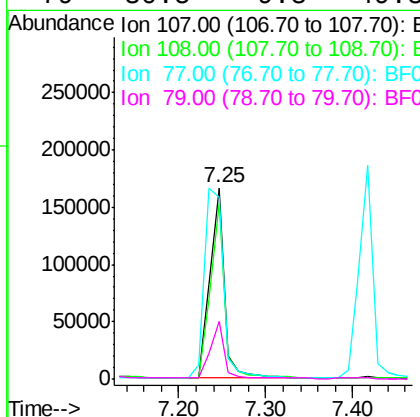
Manual Integrations
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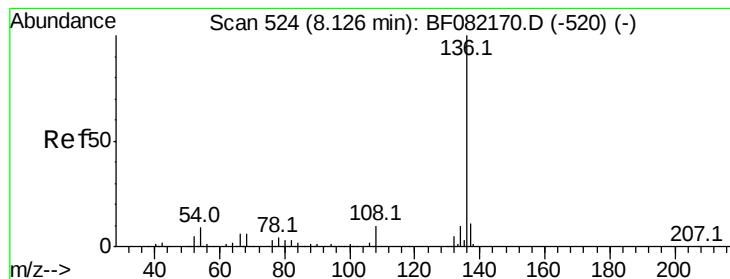
MMdadoda
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#20
3+4-Methylphenols
Concen: 36.46 ng
RT: 7.25 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.0	69.9	109.9		
77	95.0	106.0	146.0		
79	30.5	9.8	49.8		





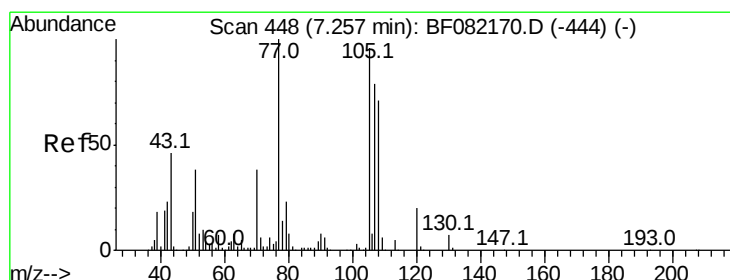
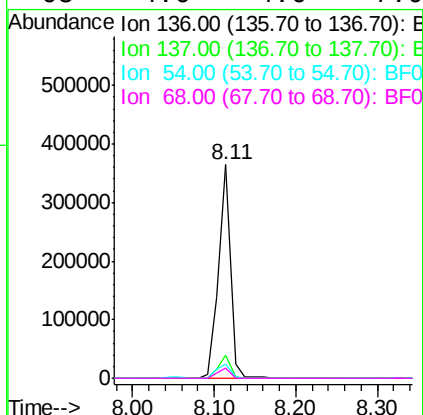
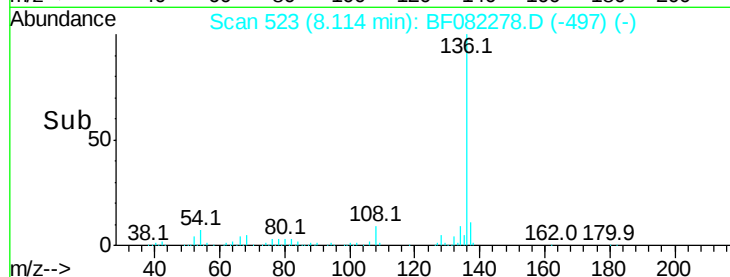
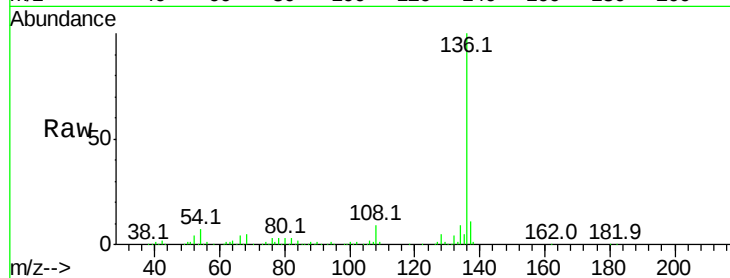
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.0	13.6	
54	6.8	7.5	11.3	
68	4.6	4.6	7.0	

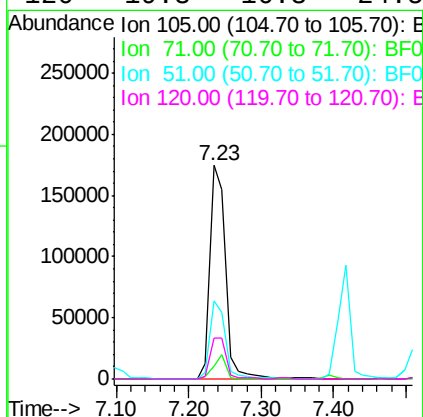
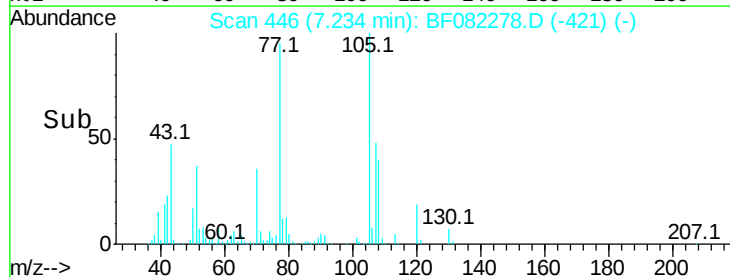
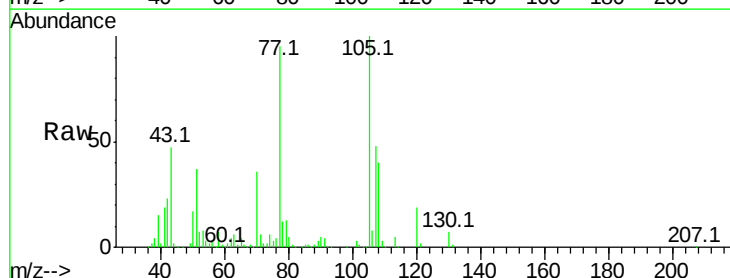
Manual Integrations
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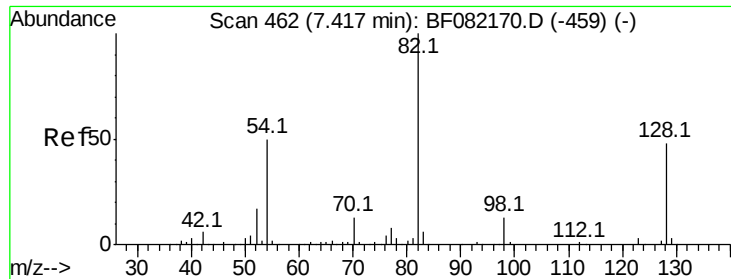
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#22
Acetophenone
Concen: 35.74 ng
RT: 7.23 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.0	5.4	8.0	
51	36.7	31.8	47.6	
120	19.3	16.3	24.5	





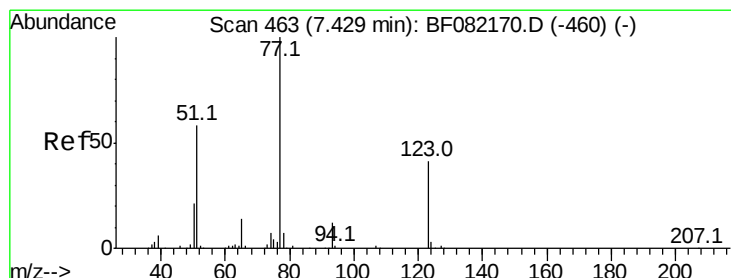
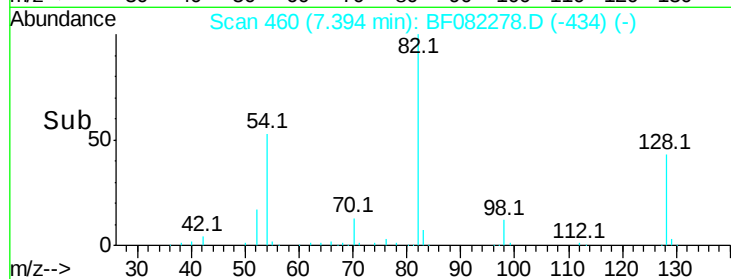
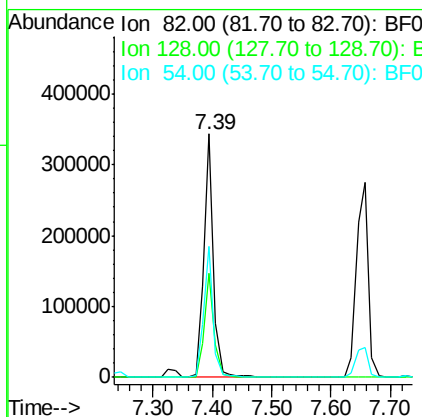
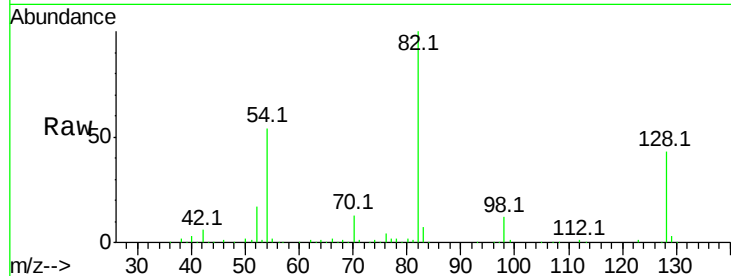
#23
 Nitrobenzene-d5
 Concen: 72.04 ng
 RT: 7.39 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	38.7	58.1
54	53.7	40.1	60.1

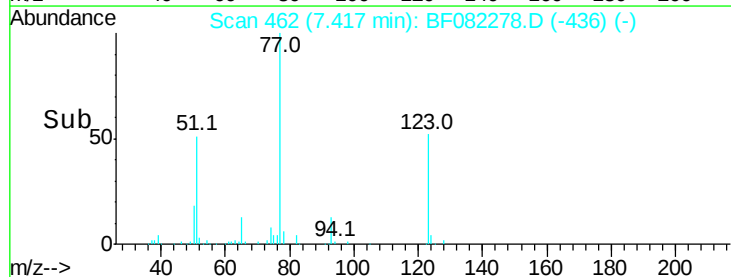
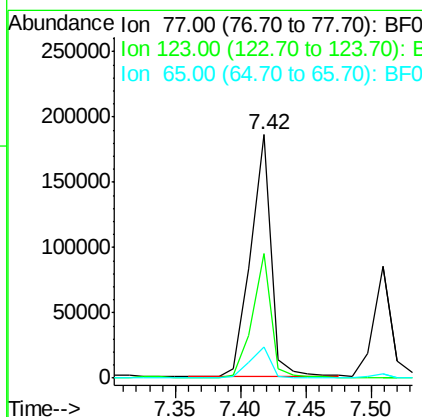
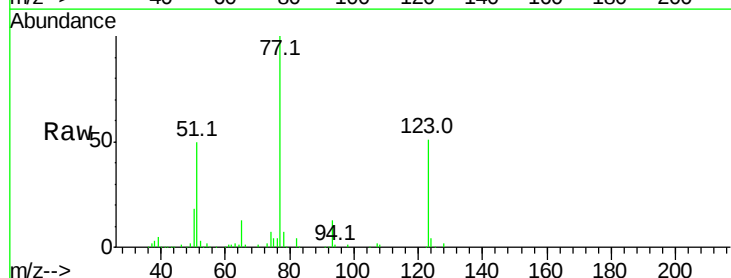
Manual Integrations
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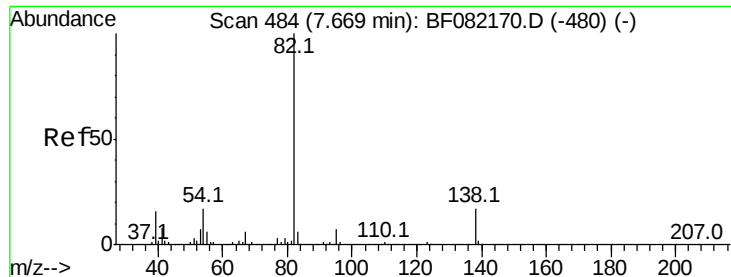
MMdadoda
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#24
 Nitrobenzene
 Concen: 34.02 ng
 RT: 7.42 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.0	33.0	49.4#
65	12.9	11.2	16.8





#25

Isophorone

Concen: 33.72 ng

RT: 7.66 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

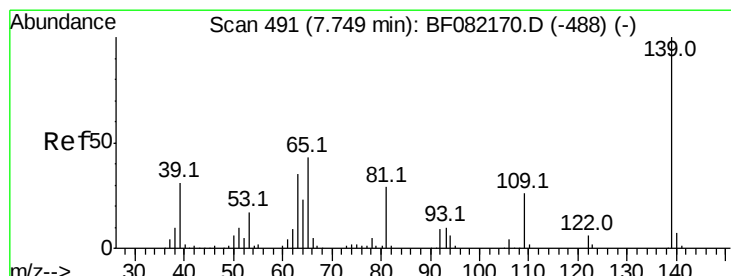
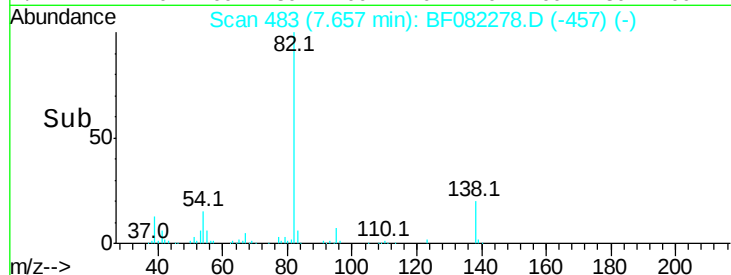
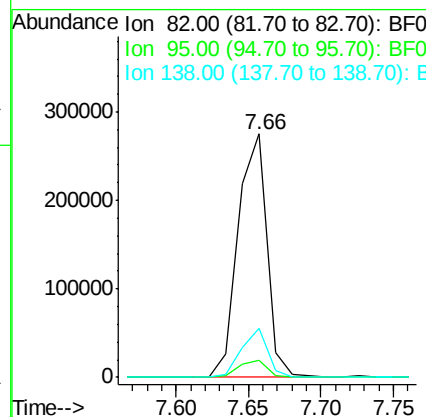
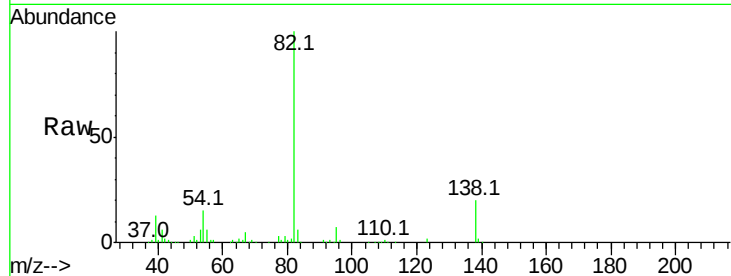
ClientSampleId :

PB86108BS

Tot Ion:	82	Resp:	377668
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.6	8.4
138	20.2	13.6	20.4

Manual Integrations
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MMdadoda
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#26

2-Nitrophenol

Concen: 33.56 ng

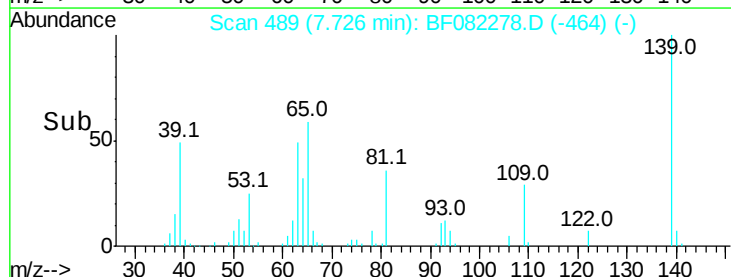
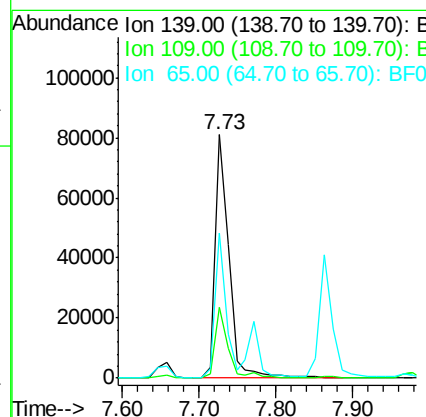
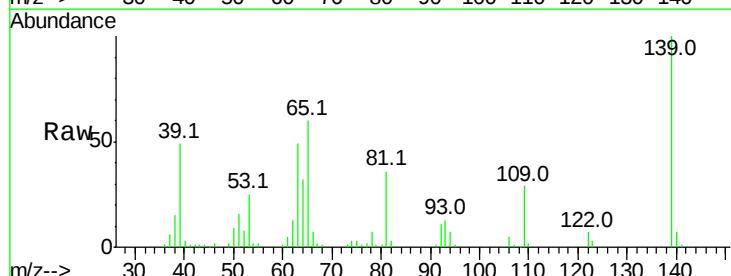
RT: 7.73 min Scan# 489

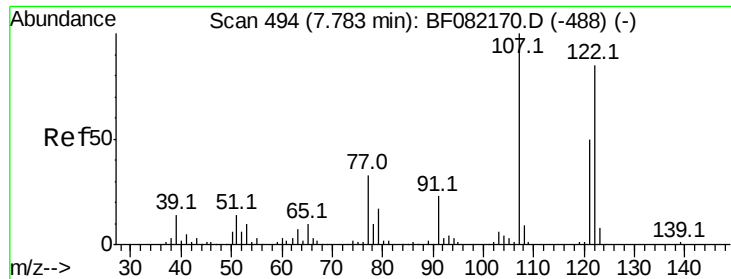
Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	139	Resp:	100656
Ion Ratio	Lower	Upper	
139	100		
109	29.2	20.6	31.0
65	59.8	34.3	51.5#





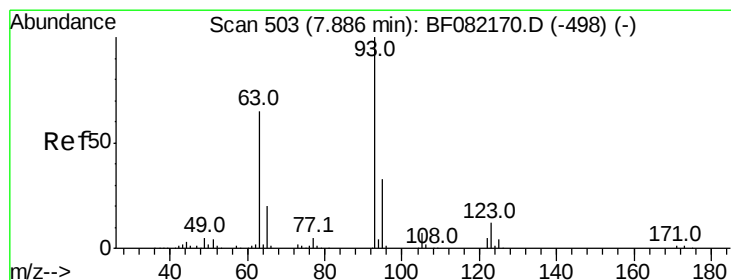
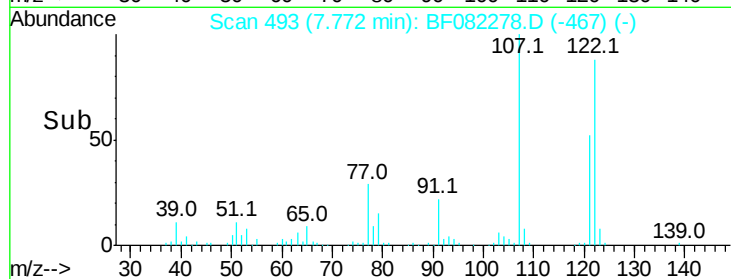
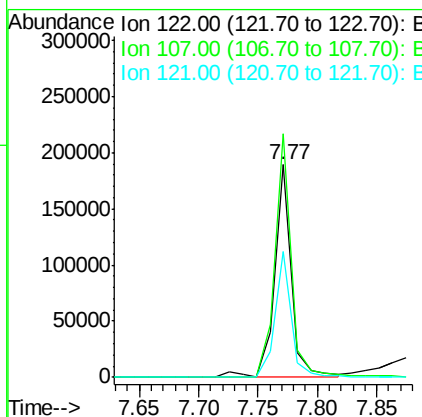
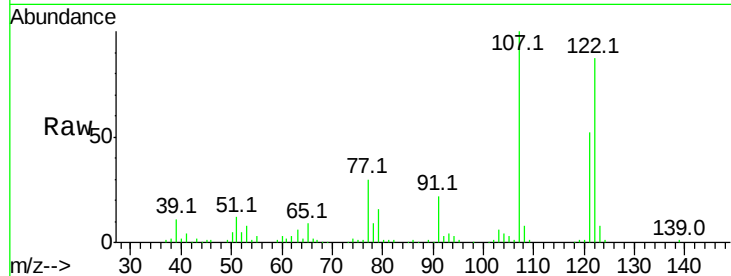
#27
2,4-Dimethylphenol
Concen: 38.79 ng
RT: 7.77 min Scan# 493
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	187448		
107	114.6	94.0	141.0	
121	59.2	46.8	70.2	

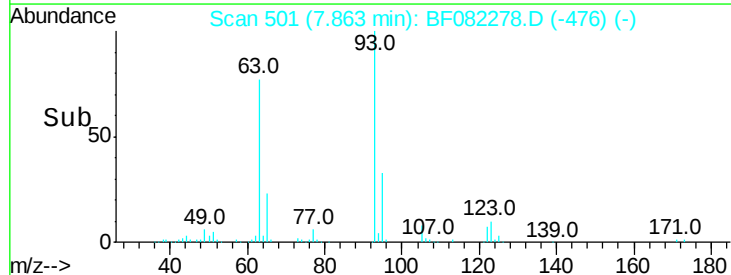
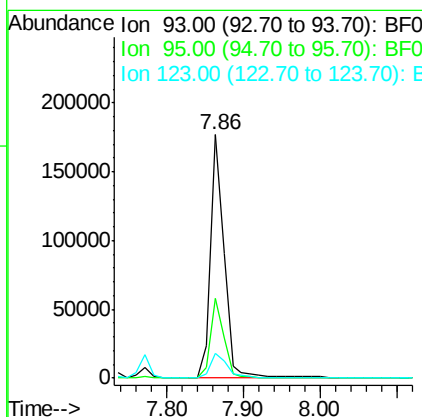
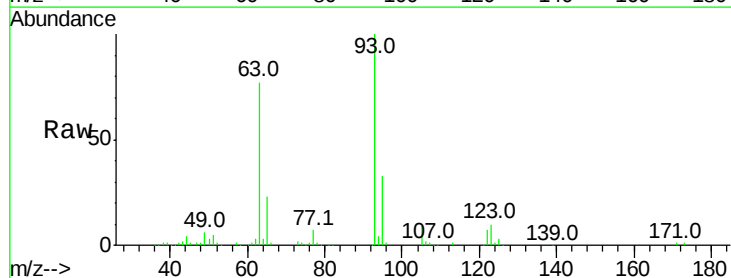
Manual Integrations
APPROVED

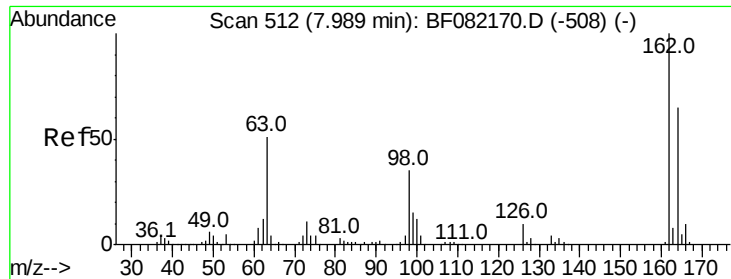
MMdadoda
10/15/2015 4:55:36 PM



#28
bis(2-Chloroethoxy)methane
Concen: 33.44 ng
RT: 7.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	217922		
95	32.9	26.6	39.8	
123	10.0	9.5	14.3	





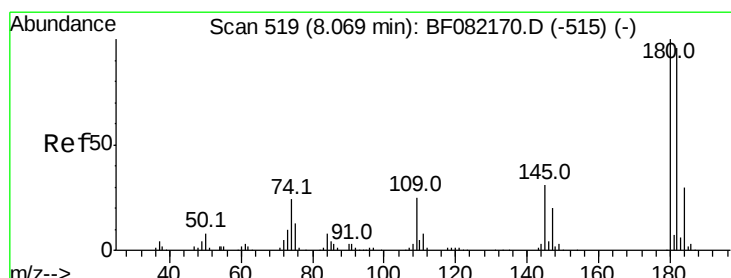
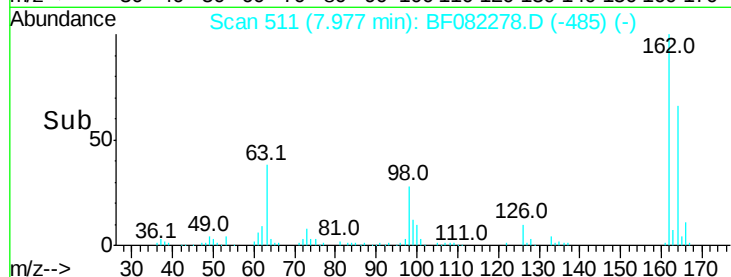
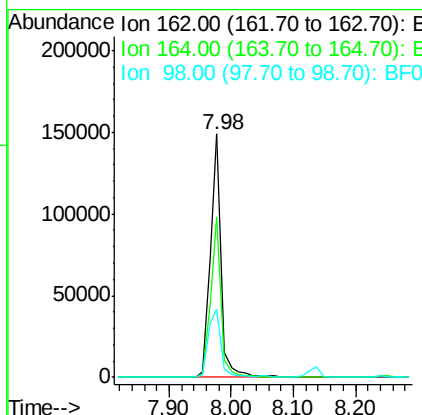
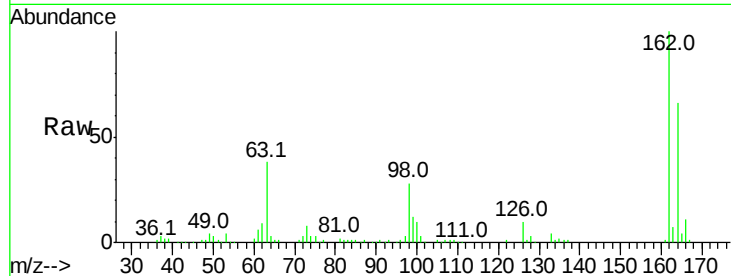
#29
 2,4-Dichlorophenol
 Concen: 36.81 ng
 RT: 7.98 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Tot Ion:	162	Resp:	177791
Ion Ratio	Lower	Upper	
162	100		
164	66.1	44.6	84.6
98	28.3	15.0	55.0

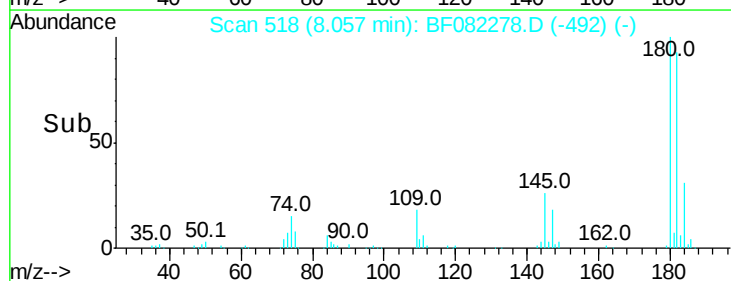
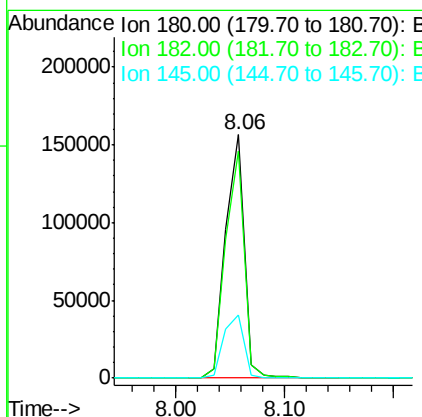
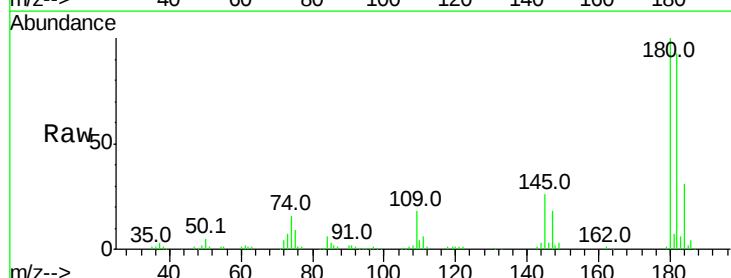
Manual Integrations
 APPROVED

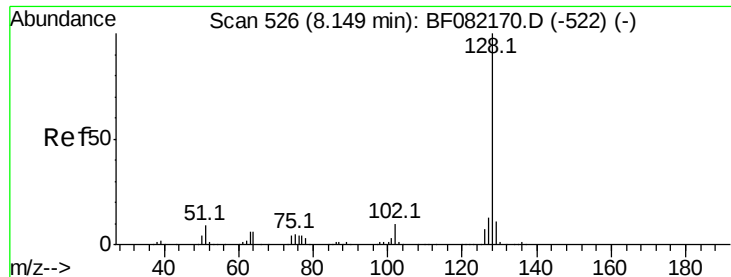
MMdadoda
 10/15/2015 4:55:36 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 33.54 ng
 RT: 8.06 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion:	180	Resp:	186744
Ion Ratio	Lower	Upper	
180	100		
182	93.2	77.0	115.4
145	26.2	25.0	37.4





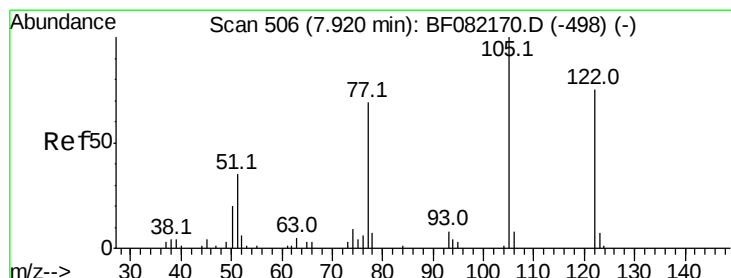
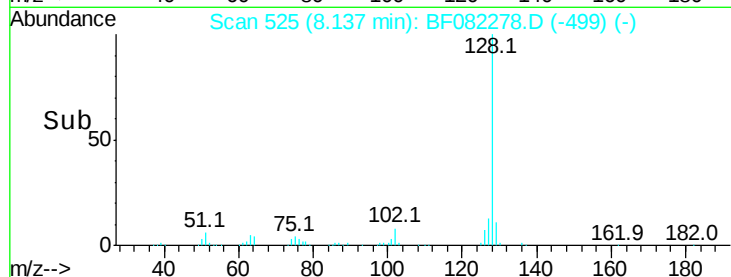
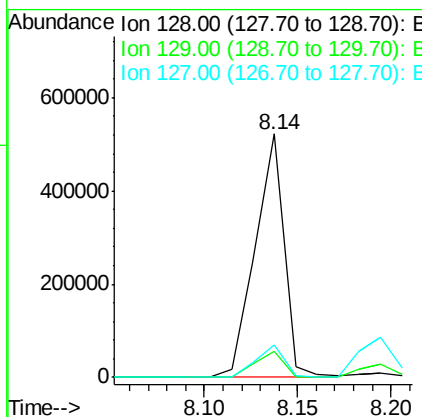
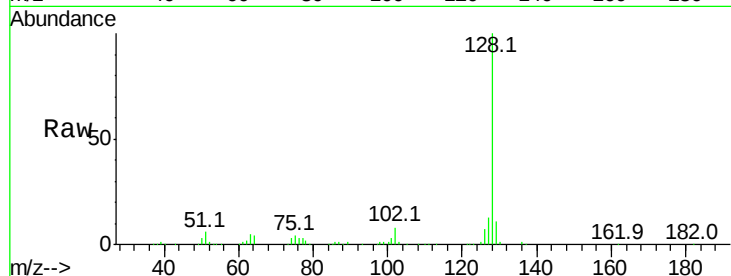
#31
Naphthalene
Concen: 34.74 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	10.9	9.1	13.7
127	13.4	10.7	16.1

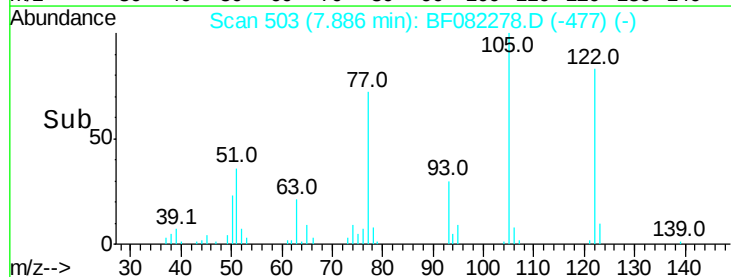
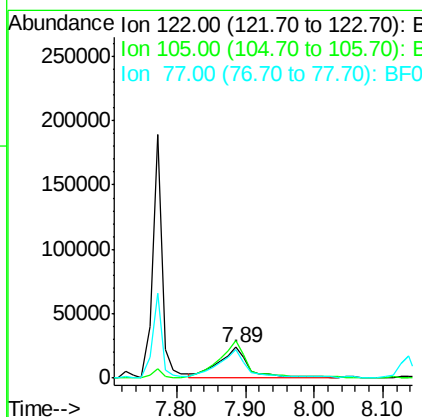
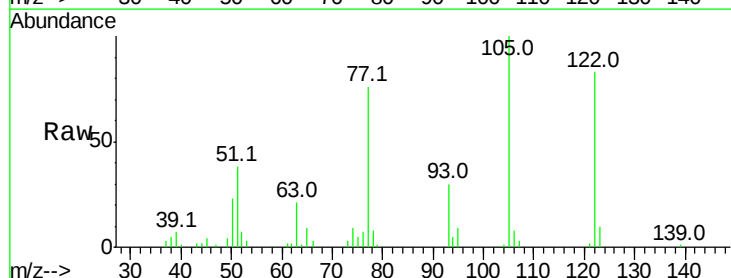
Manual Integrations
APPROVED

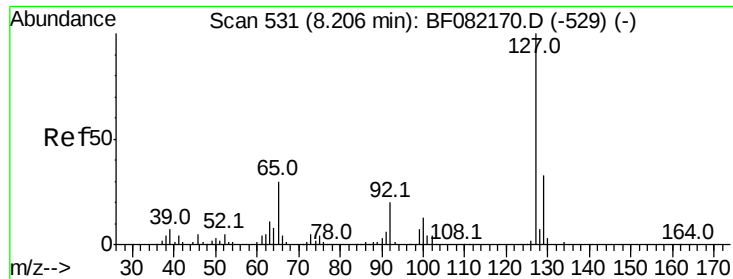
MMdadoda
10/15/2015 4:55:36 PM



#32
Benzoic acid
Concen: 21.88 ng
RT: 7.89 min Scan# 503
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
105	120.5	104.4	144.4
77	91.8	69.0	109.0





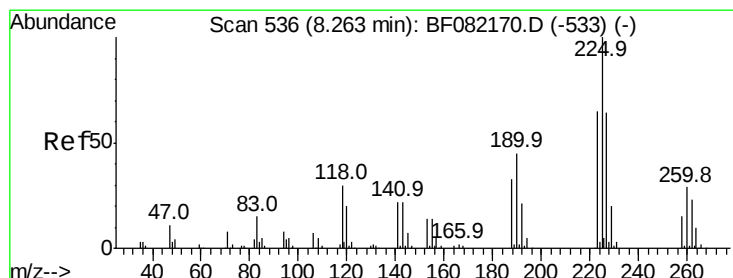
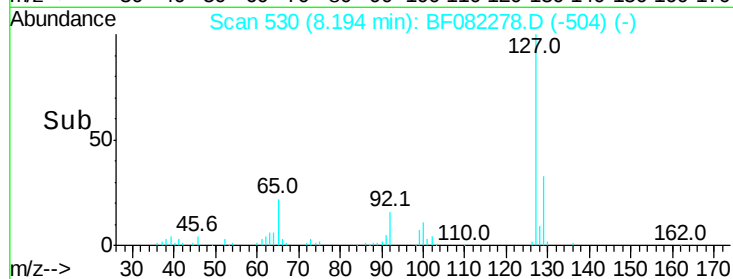
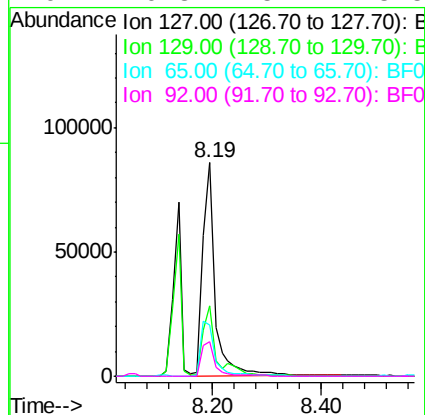
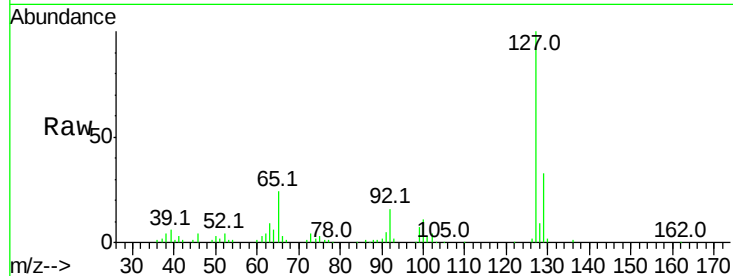
#33
4-Chloroaniline
Concen: 20.21 ng
RT: 8.19 min Scan# 530
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.8	26.3	39.5	
65	24.1	24.4	36.6	
92	16.3	15.7	23.5	

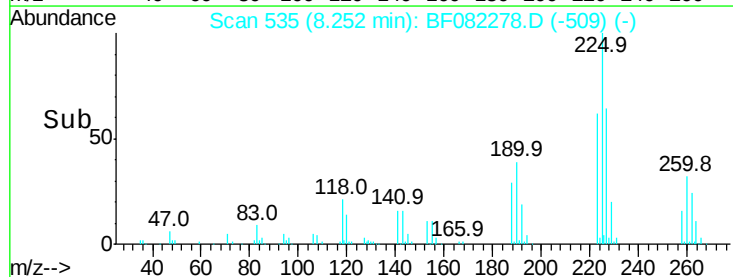
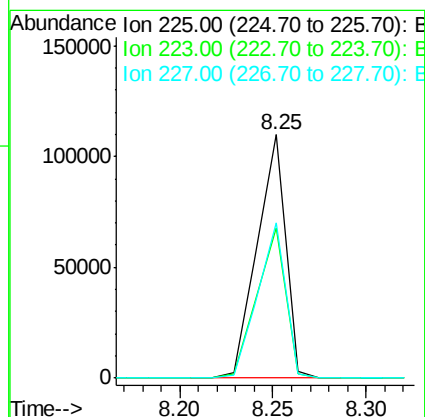
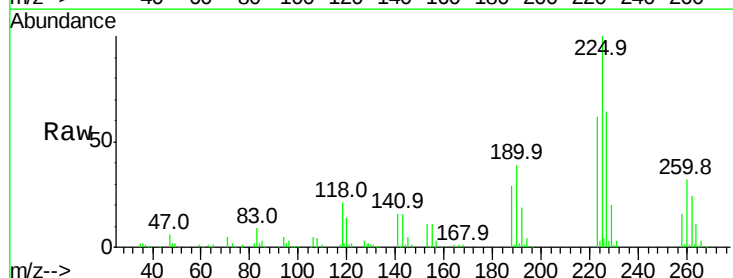
Manual Integrations
APPROVED

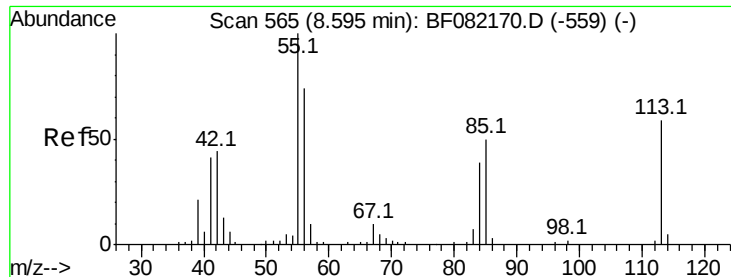
MMdadoda
10/15/2015 4:55:36 PM



#34
Hexachlorobutadiene
Concen: 33.32 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	52.2	78.2	
227	63.8	51.3	76.9	





#35

Caprolactam

Concen: 36.82 ng

RT: 8.56 min Scan# 562

Delta R.T. -0.02 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

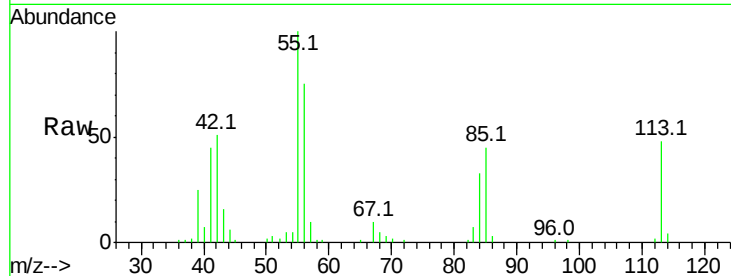
ClientSampleId :

PB86108BS

Manual Integrations
APPROVED

MMdadoda
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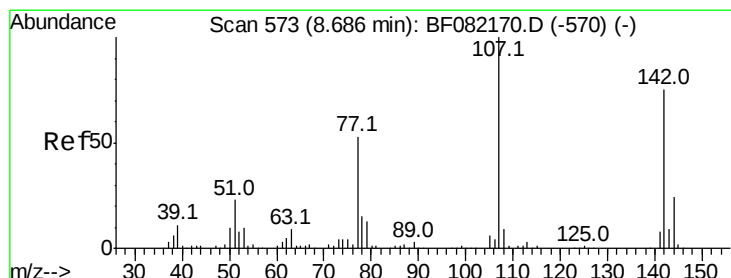
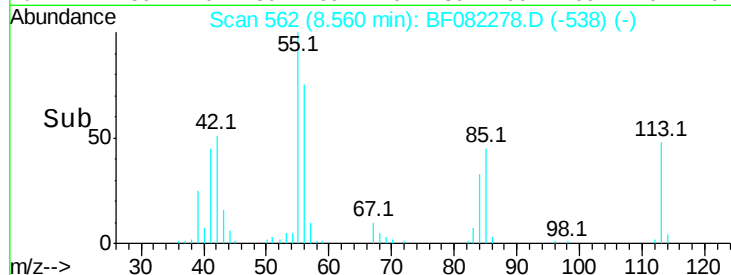
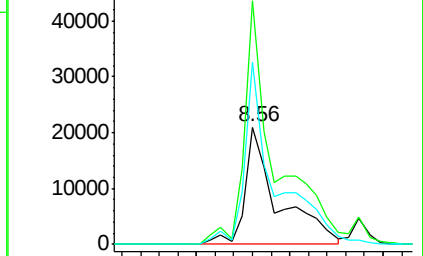
Tot Ion:	113	Resp:	51614
Ion Ratio	Lower	Upper	
113	100		
55	207.5	149.7	189.7#
56	155.3	105.4	145.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 37.64 ng

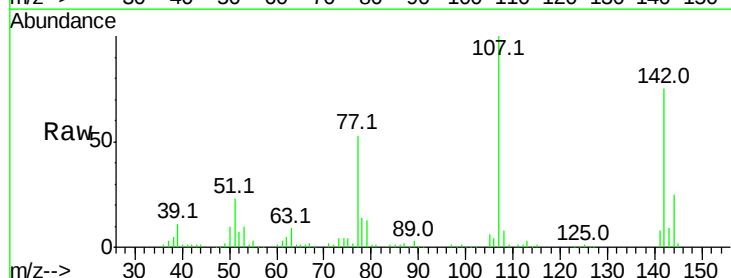
RT: 8.67 min Scan# 572

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

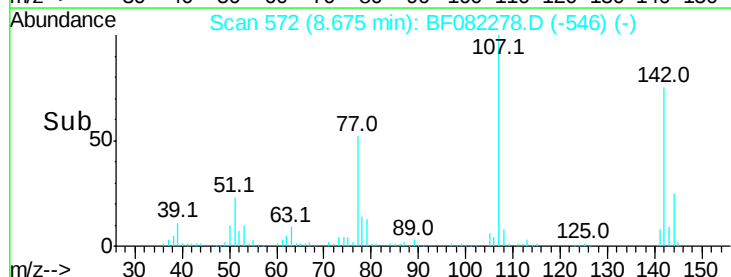
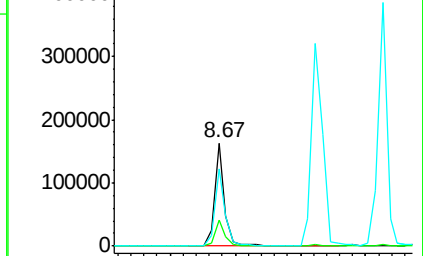
Tgt Ion:	107	Resp:	177789
Ion Ratio	Lower	Upper	
107	100		
144	24.6	19.3	28.9
142	75.1	59.9	89.9

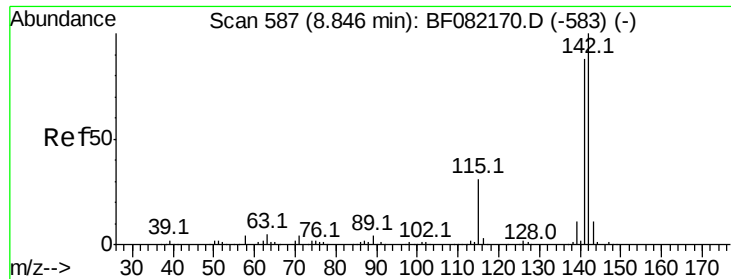


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





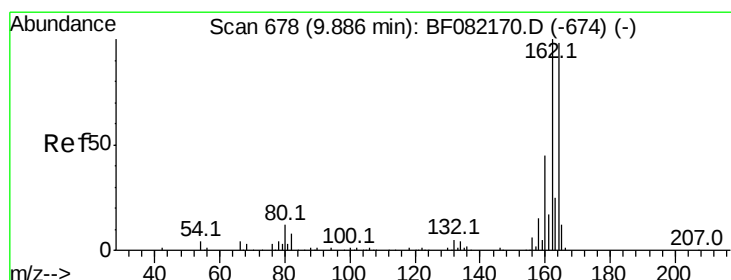
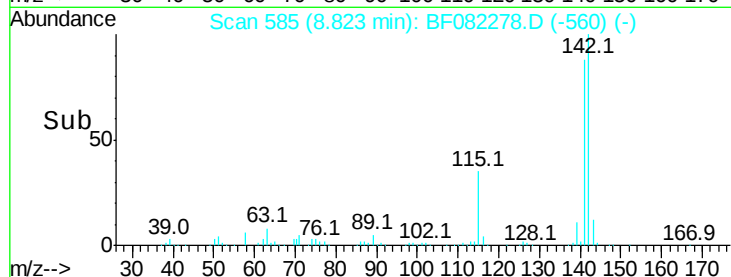
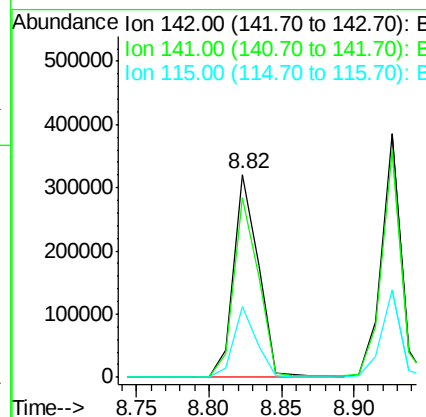
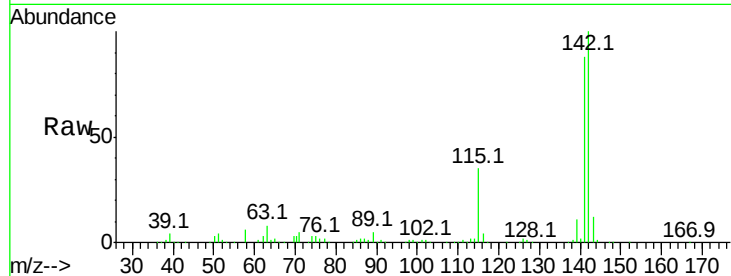
#37
2-Methylnaphthalene
Concen: 34.22 ng
RT: 8.82 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	383179		
141	88.3		70.4	105.6
115	35.1		24.6	37.0

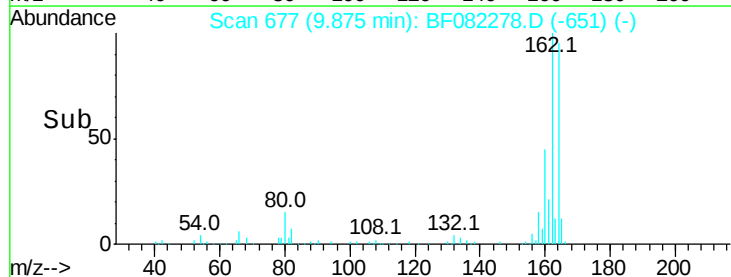
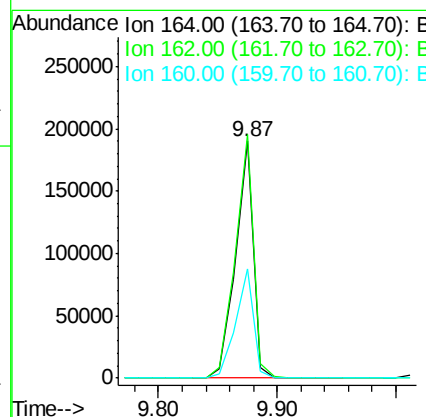
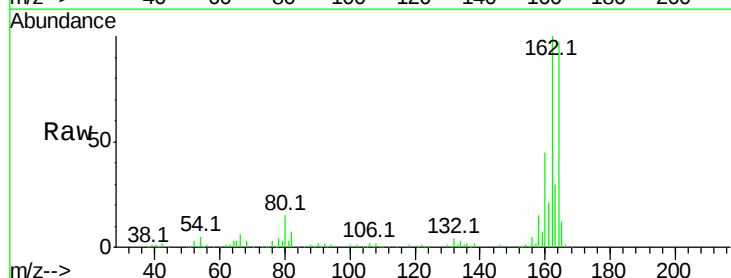
Manual Integrations
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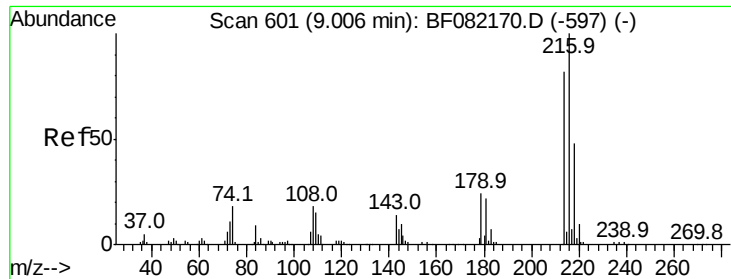
MMdadoda
10/15/2015 4:55:36 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197164		
162	102.9		81.6	122.4
160	45.9		36.4	54.6





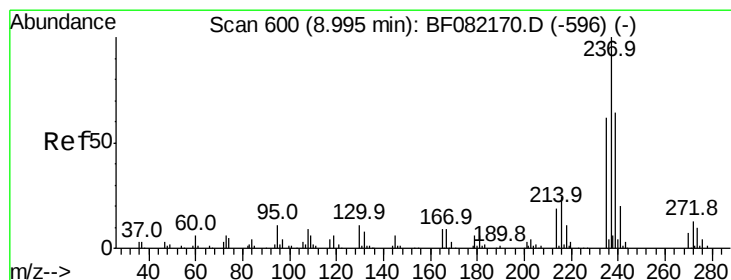
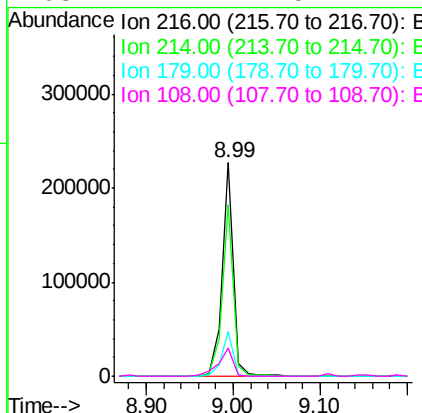
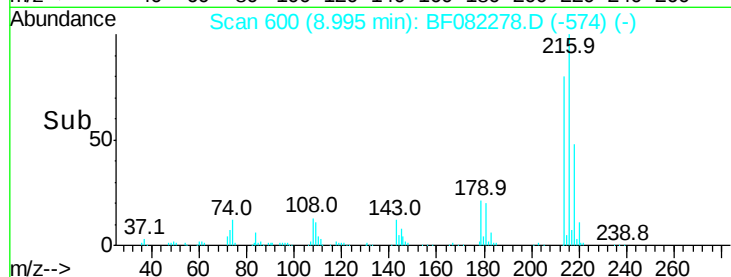
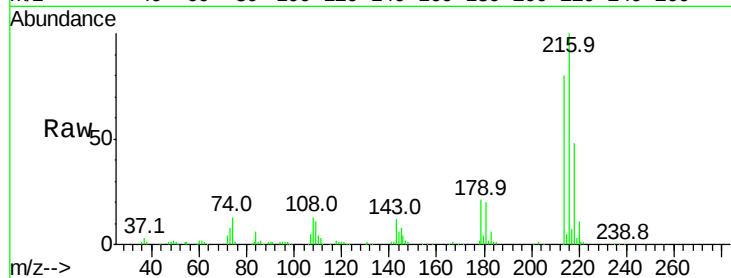
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.18 ng
 RT: 8.99 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	206294		
214	80.0	64.6	97.0	
179	20.9	17.6	26.4	
108	17.4	14.5	21.7	

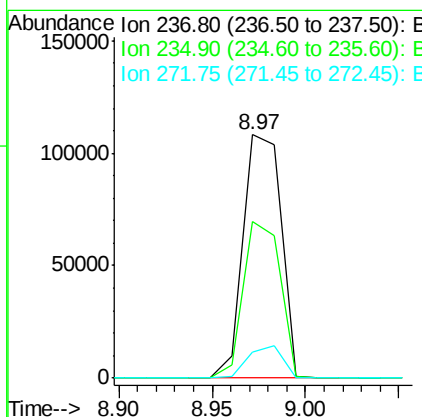
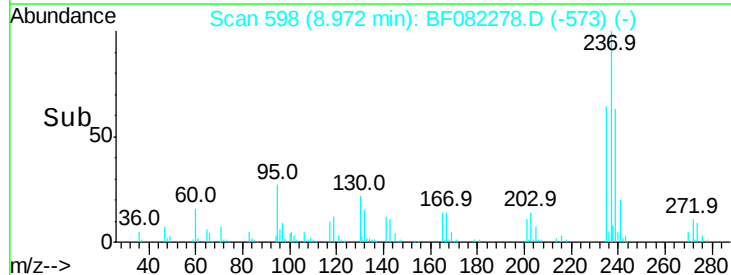
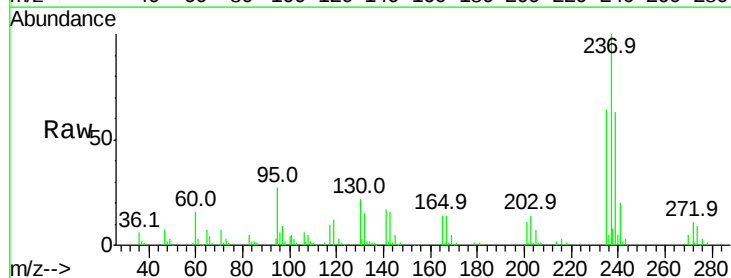
Manual Integrations
 APPROVED

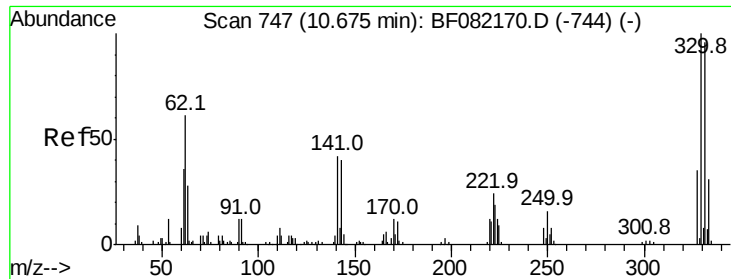
MMdadoda
 10/15/2015 4:55:36 PM



#40
 Hexachlorocyclopentadiene
 Concen: 54.42 ng
 RT: 8.97 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	152680		
235	64.2	41.7	81.7	
272	10.6	0.0	32.8	





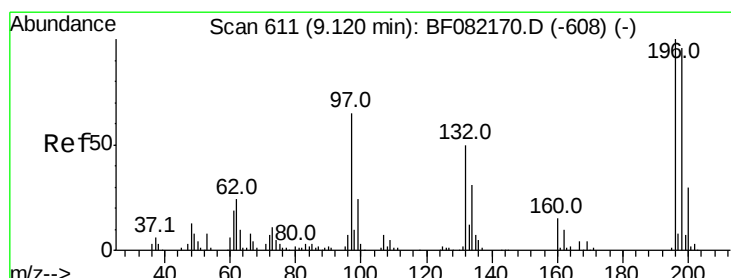
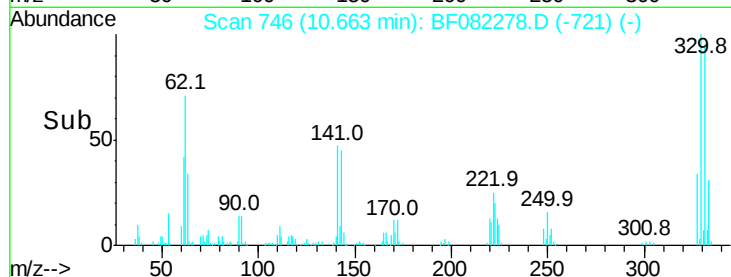
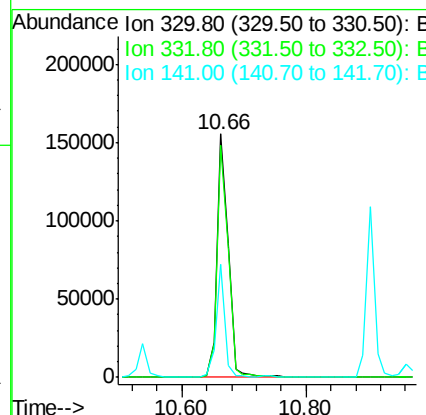
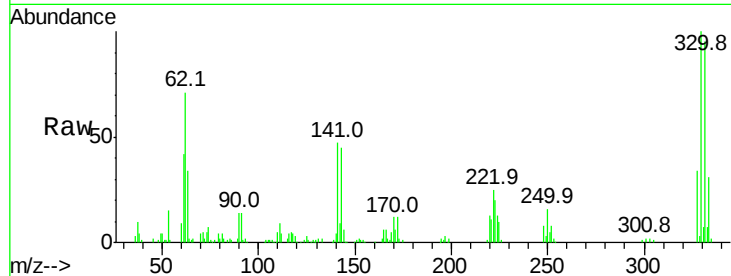
#41
 2,4,6-Tribromophenol
 Concen: 104.13 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	192538		
332	95.7	77.1	115.7	
141	36.7	29.8	44.8	

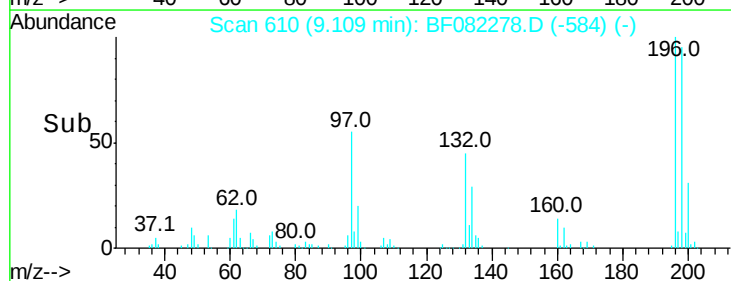
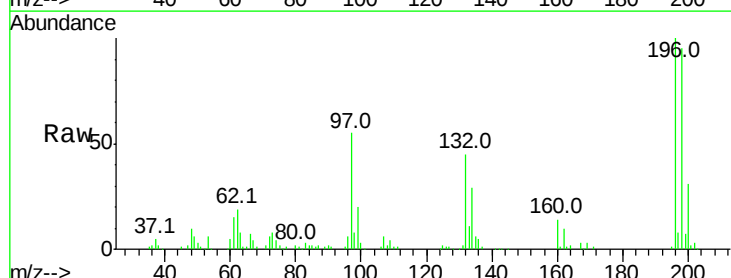
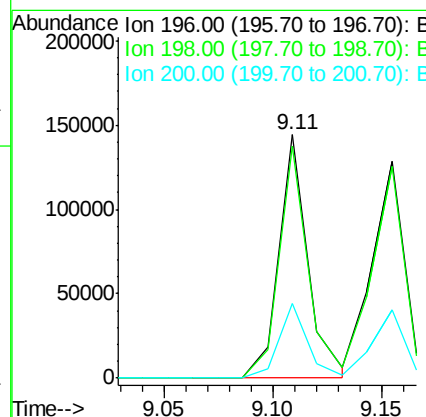
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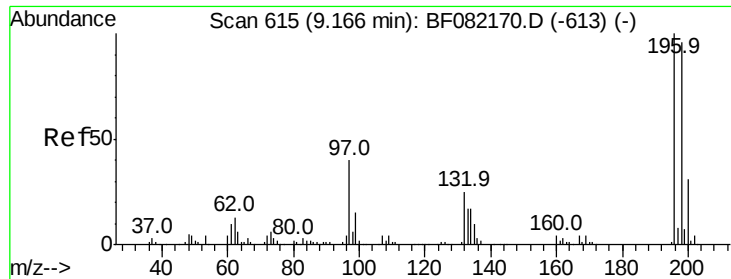
MMdadoda
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#42
 2,4,6-Trichlorophenol
 Concen: 34.65 ng
 RT: 9.11 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	134976		
198	95.1	76.6	115.0	
200	30.7	23.7	35.5	





#43

2,4,5-Trichlorophenol

Concen: 34.69 ng

RT: 9.15 min Scan# 614

Delta R.T. -0.00 min

Lab File: BF082278.D

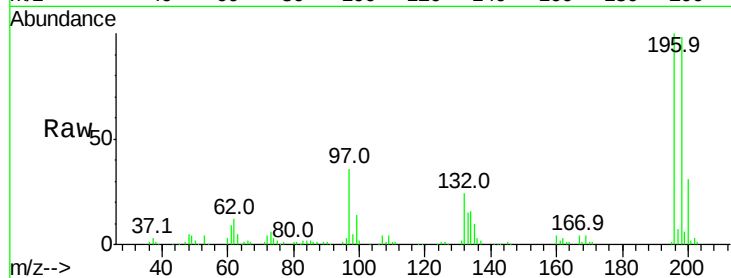
Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

ClientSampleId :

PB86108BS



Tot Ion:196 Resp: 146380

Ion Ratio Lower Upper

196 100

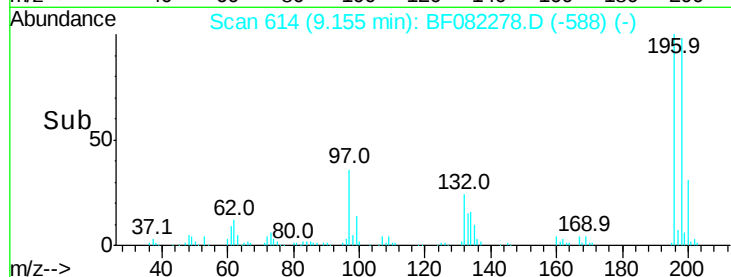
198 97.5 77.0 115.4

97 36.3 31.9 47.9

132 24.0 20.3 30.5

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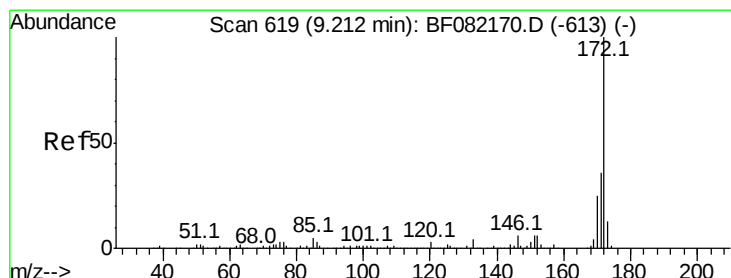
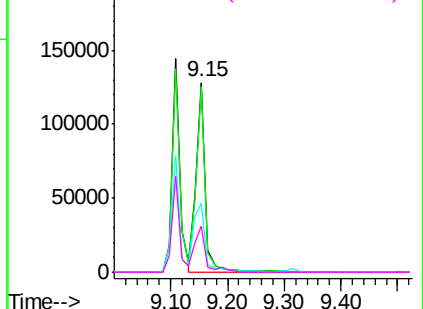


Abundance Ion 196.00 (195.70 to 196.70): E

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: 70.28 ng

RT: 9.19 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

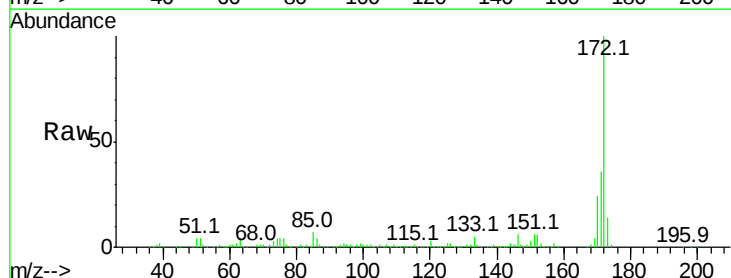
Tgt Ion:172 Resp: 835603

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

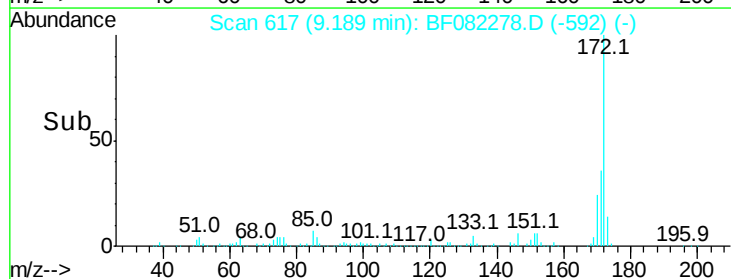
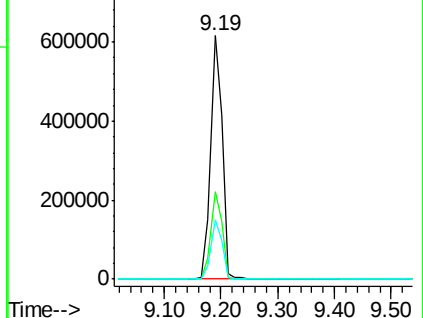
170 24.1 19.7 29.5

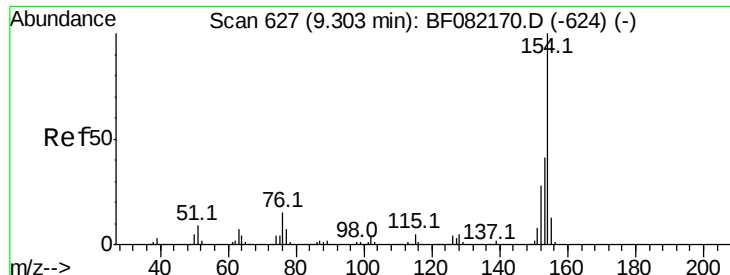


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 32.97 ng

RT: 9.29 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

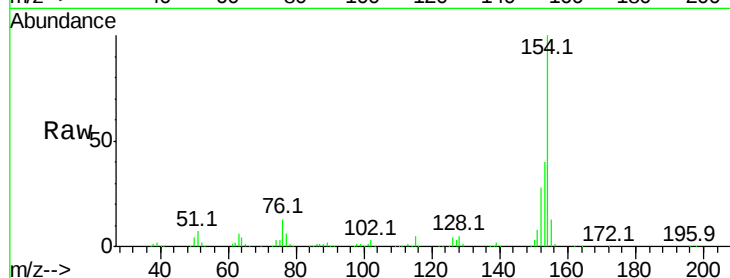
ClientSampleId :

PB86108BS

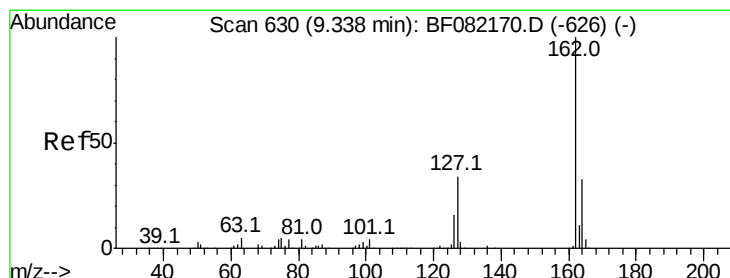
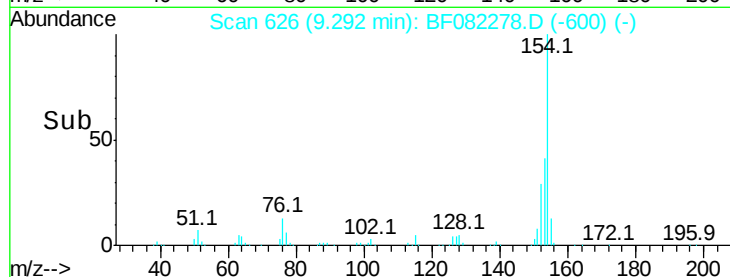
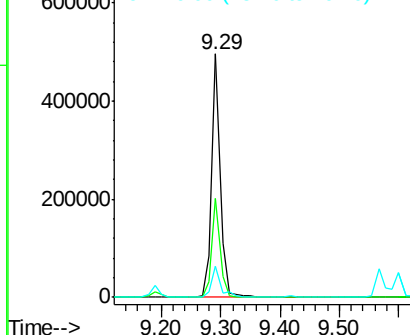
Tot Ion:	154	Resp:	495753
Ion Ratio	Lower	Upper	
154	100		
153	40.5	20.6	60.6
76	12.7	0.0	35.2

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



#46

2-Chloronaphthalene

Concen: 32.30 ng

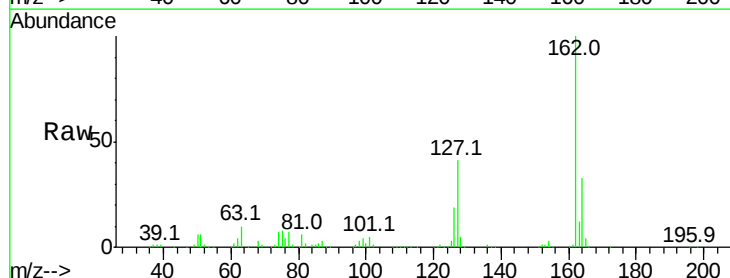
RT: 9.31 min Scan# 628

Delta R.T. -0.01 min

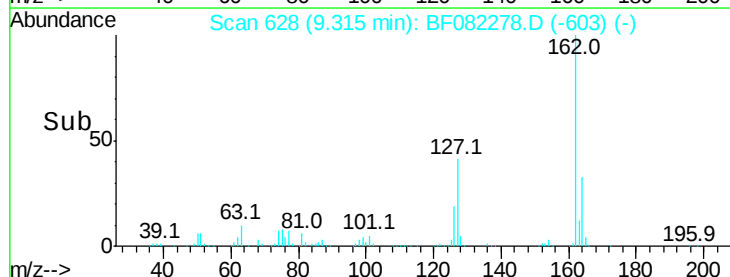
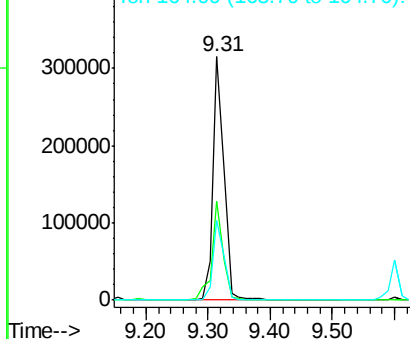
Lab File: BF082278.D

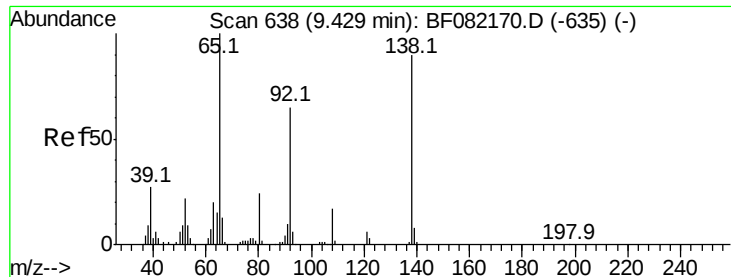
Acq: 14 Oct 2015 14:33

Tgt Ion:	162	Resp:	382306
Ion Ratio	Lower	Upper	
162	100		
127	40.7	27.5	41.3
164	32.7	26.6	39.8



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 34.63 ng

RT: 9.42 min Scan# 637

Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

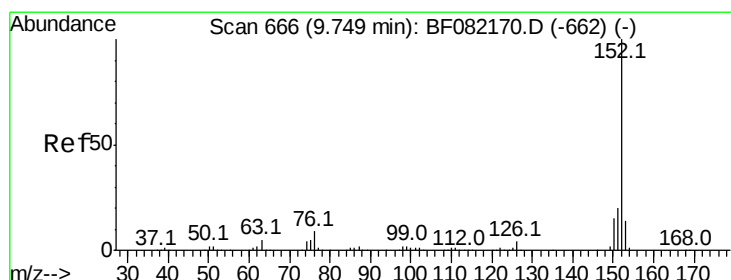
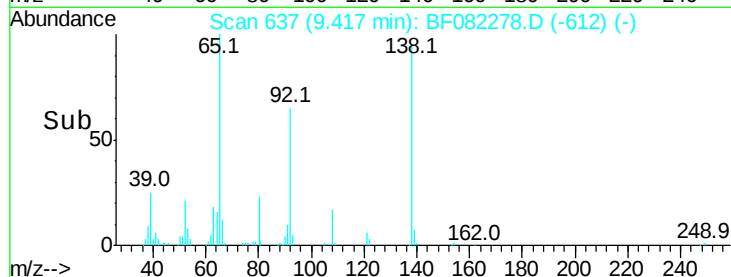
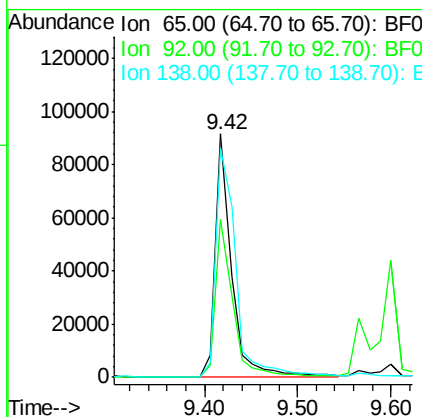
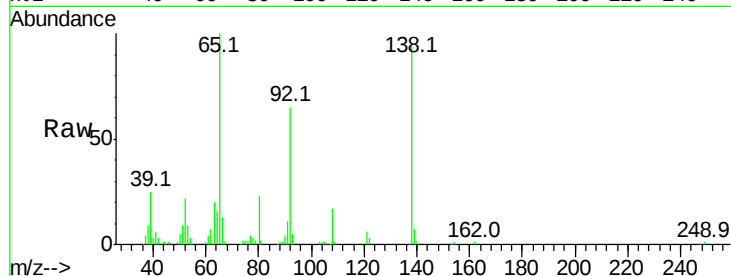
ClientSampleId :

PB86108BS

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Tot Ion	Ratio	Lower	Upper
65	100		
92	64.8	52.3	78.5
138	94.2	72.2	108.4



#48

Acenaphthylene

Concen: 35.59 ng

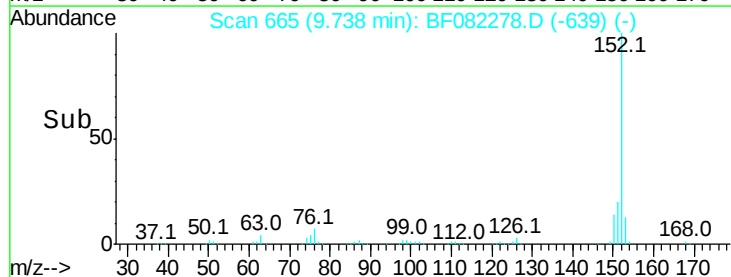
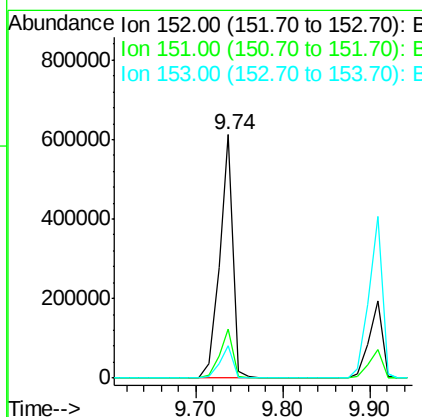
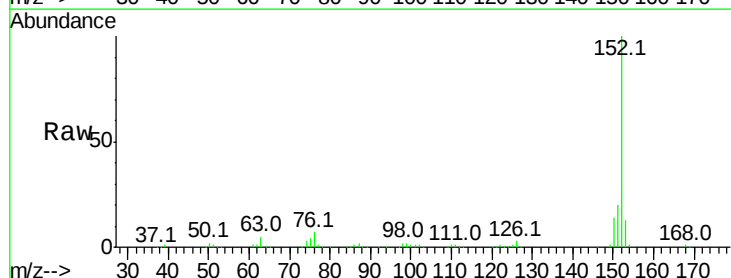
RT: 9.74 min Scan# 665

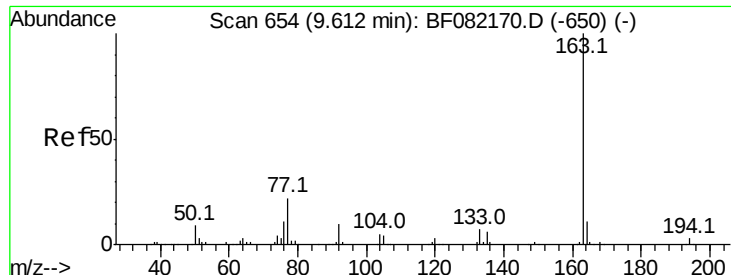
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.2	10.8	16.2





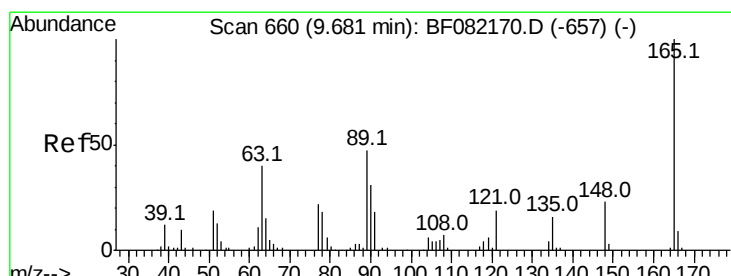
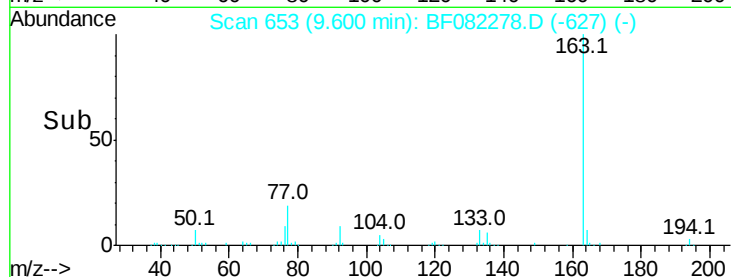
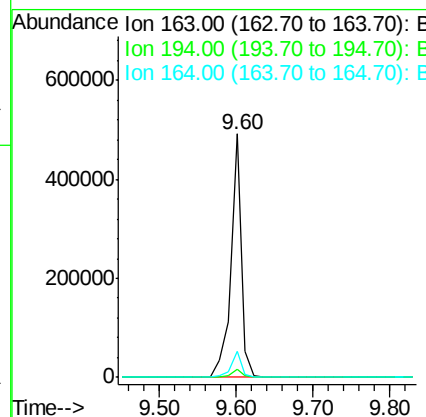
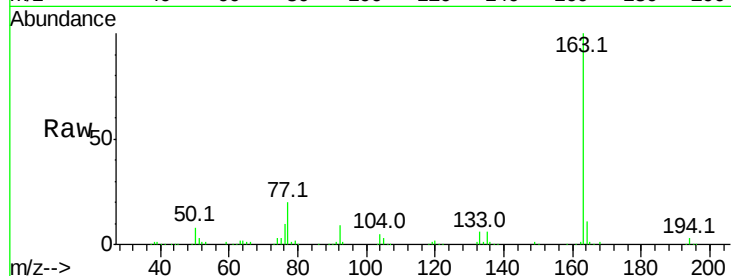
#49
Dimethylphthalate
Concen: 34.59 ng
RT: 9.60 min Scan# 653
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	10.5	8.5	12.7	

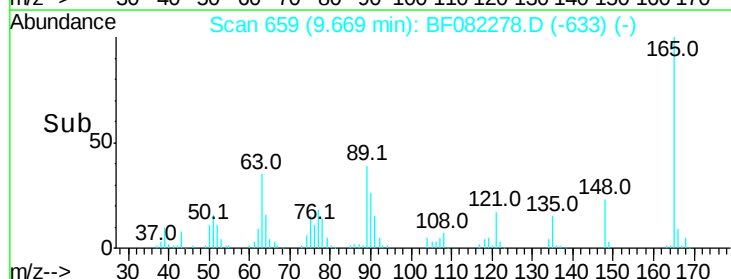
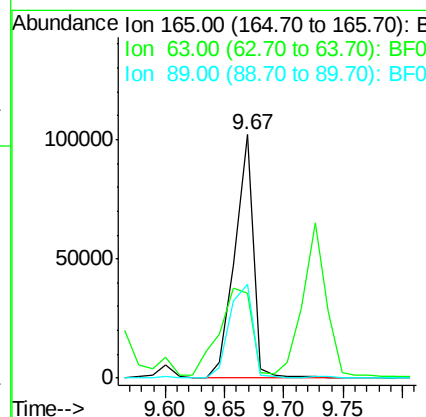
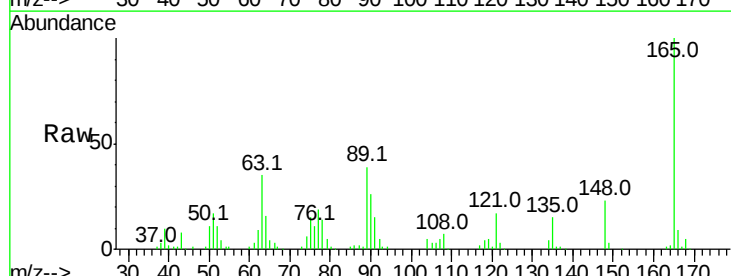
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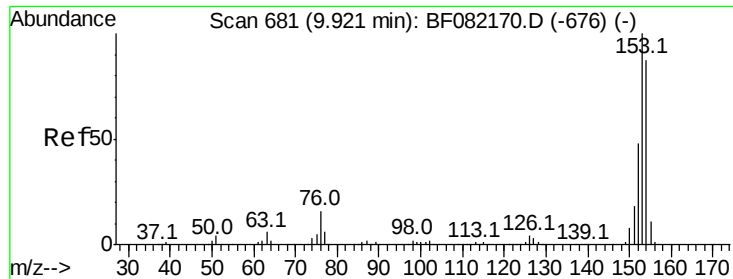
MMdadoda
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#50
2,6-Dinitrotoluene
Concen: 38.08 ng
RT: 9.67 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	35.1	36.7	55.1#	
89	38.5	37.8	56.6	





#51

Acenaphthene

Concen: 34.66 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

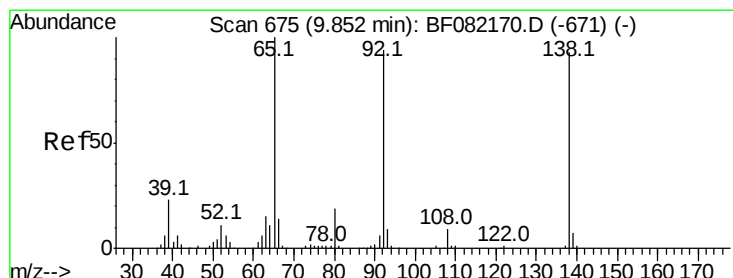
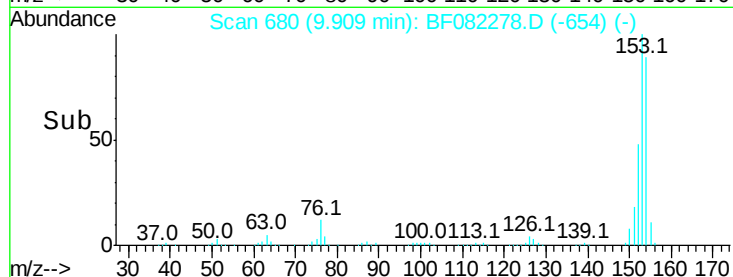
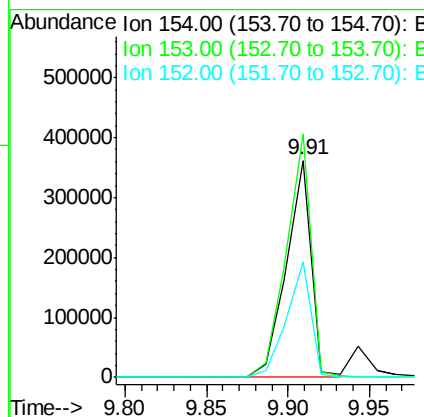
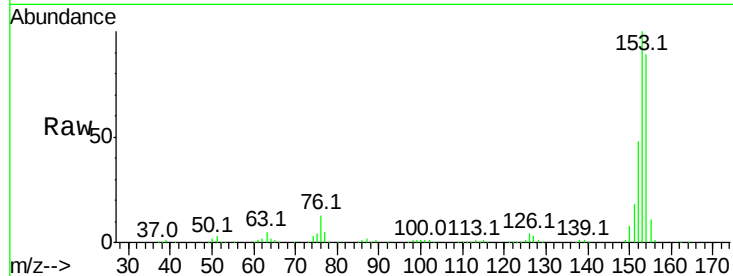
ClientSampleId :

PB86108BS

Tot Ion:	154	Resp:	383658
Ion Ratio	Lower	Upper	
154	100		
153	112.1	91.4	137.2
152	53.3	44.3	66.5

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#52

3-Nitroaniline

Concen: 21.46 ng

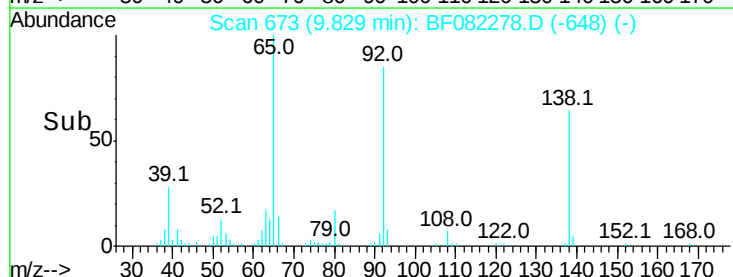
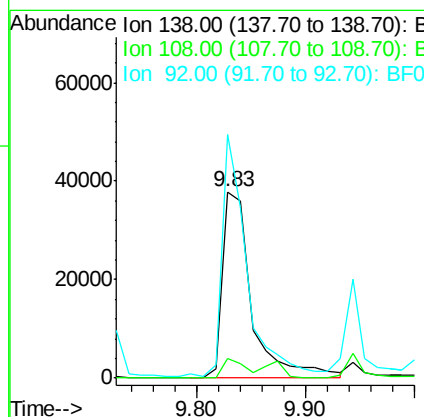
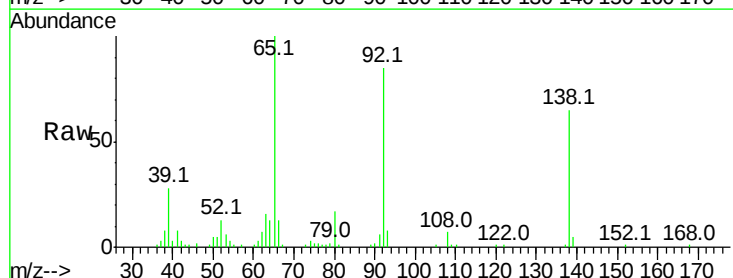
RT: 9.83 min Scan# 673

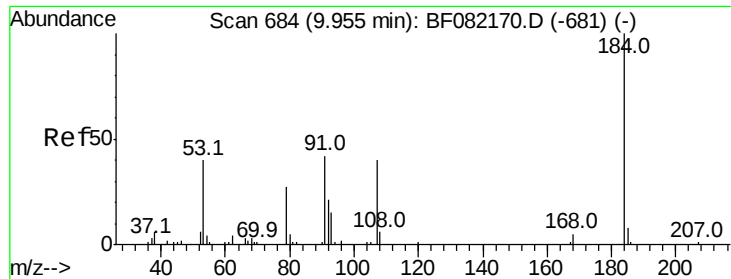
Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	138	Resp:	71012
Ion Ratio	Lower	Upper	
138	100		
108	10.3	7.4	11.0
92	130.9	81.3	121.9#





#53

2,4-Dinitrophenol

Concen: 57.74 ng

RT: 9.94 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

ClientSampleId :

PB86108BS

Tot Ion:184 Resp: 91361

Ion Ratio Lower Upper

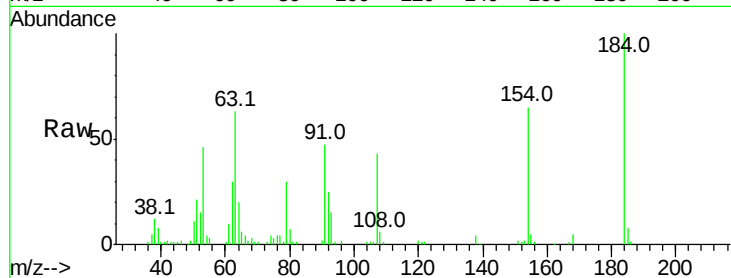
184 100

63 62.9 45.1 67.7

154 65.0 51.2 76.8

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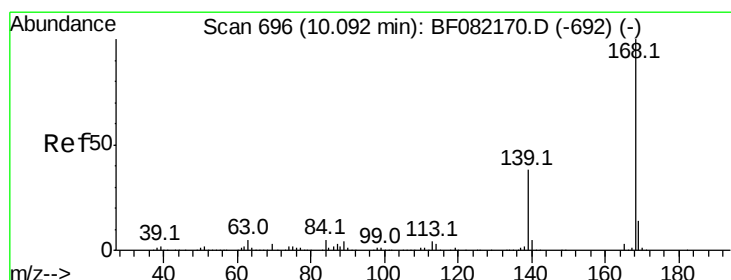
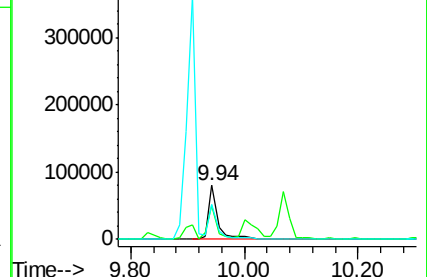
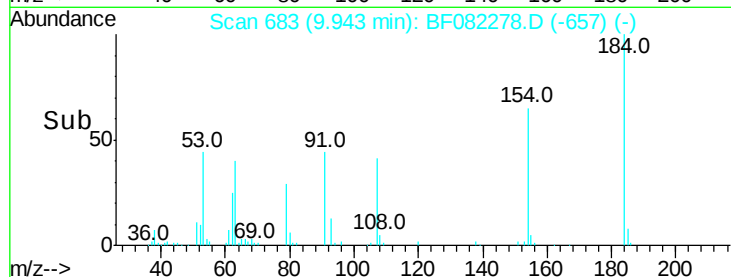
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 37.84 ng

RT: 10.08 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

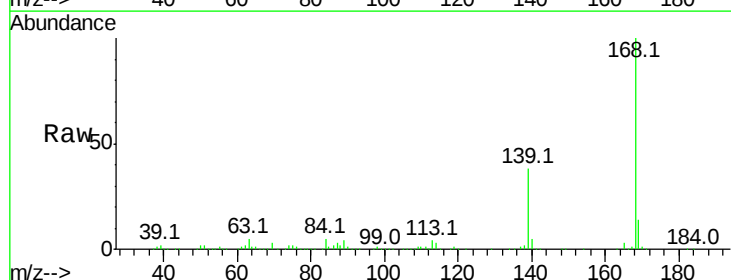
Tgt Ion:168 Resp: 575095

Ion Ratio Lower Upper

168 100

139 38.4 31.0 46.6

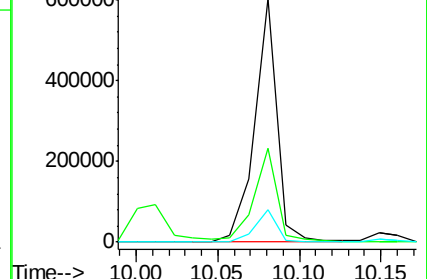
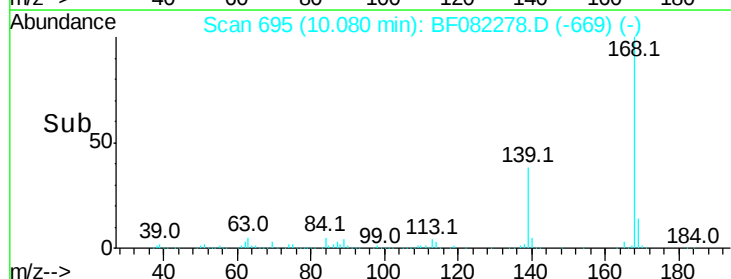
169 13.6 10.9 16.3

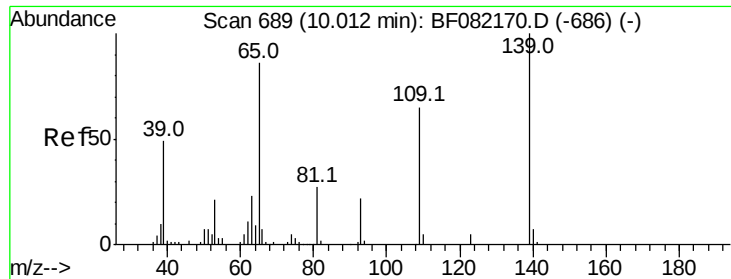


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





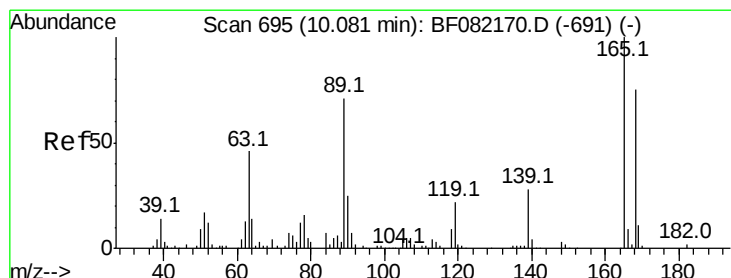
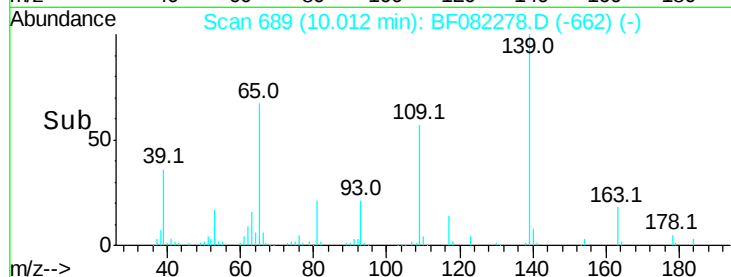
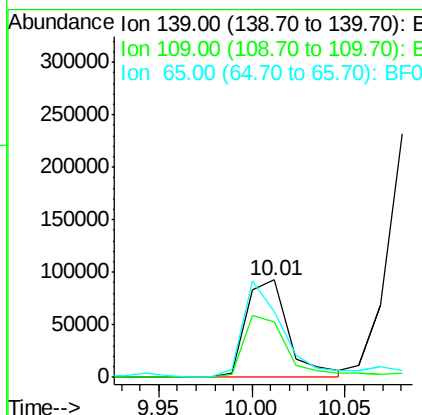
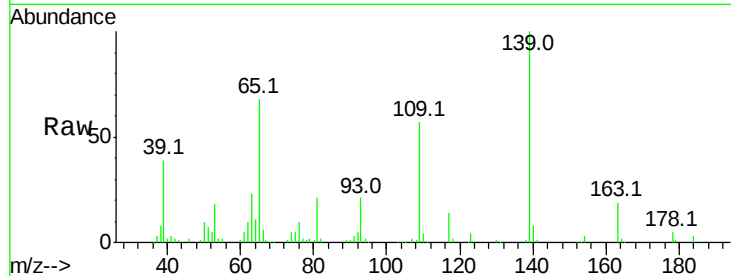
#55
4-Nitrophenol
Concen: 68.09 ng
RT: 10.01 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	146379		
109	56.6	44.8	84.8	
65	68.1	67.7	107.7	

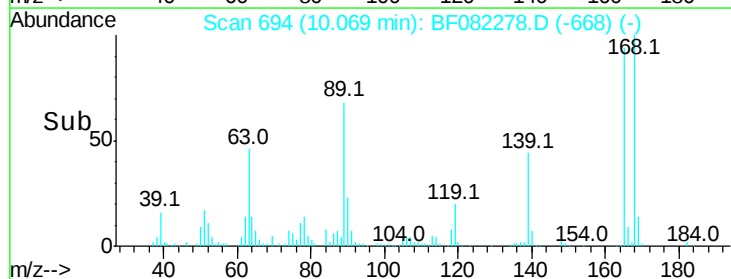
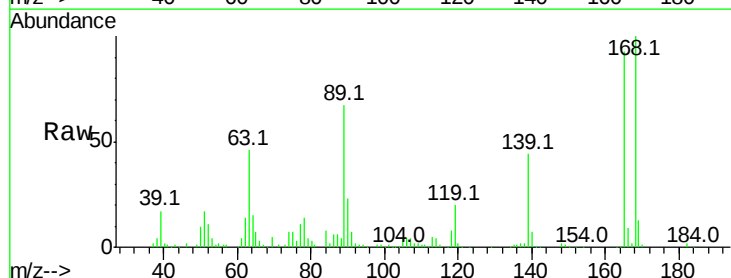
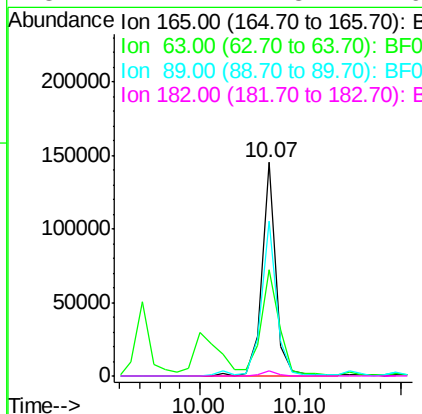
Manual Integrations
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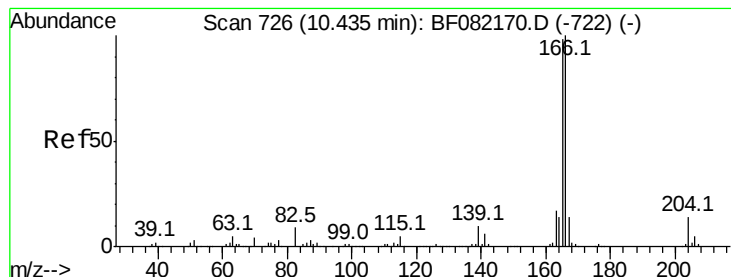
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#56
2,4-Dinitrotoluene
Concen: 38.04 ng
RT: 10.07 min Scan# 694
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	139282		
63	49.6	38.6	58.0	
89	72.5	57.0	85.6	
182	2.2	1.8	2.6	





#57

Fluorene

Concen: 37.13 ng

RT: 10.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

ClientSampleId :

PB86108BS

Tot Ion:166 Resp: 463394

Ion Ratio Lower Upper

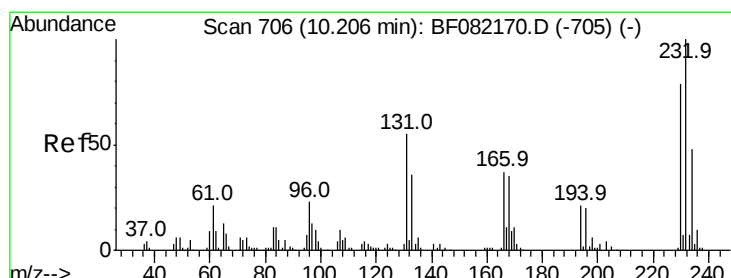
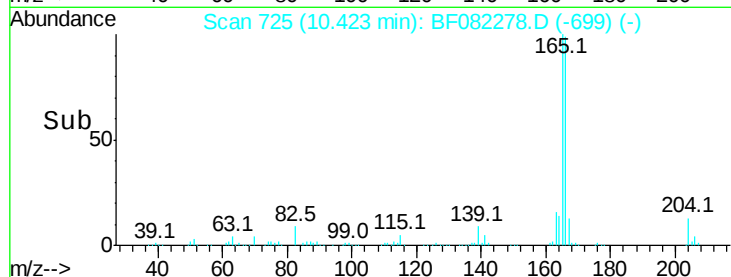
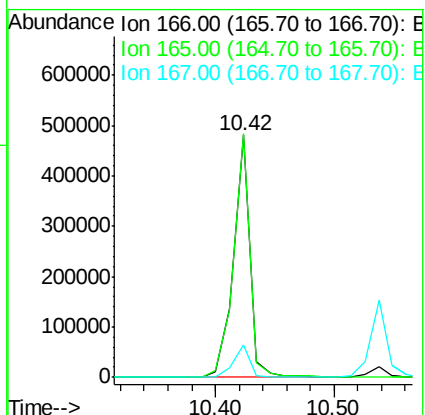
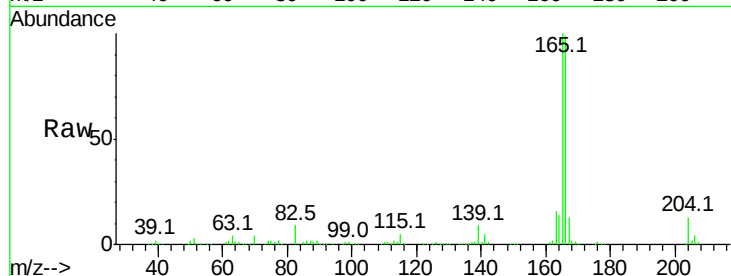
166 100

165 100.7 78.3 117.5

167 13.5 10.8 16.2

Manual Integrations
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10/15/2015 4:55:36 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 35.52 ng

RT: 10.19 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:232 Resp: 122450

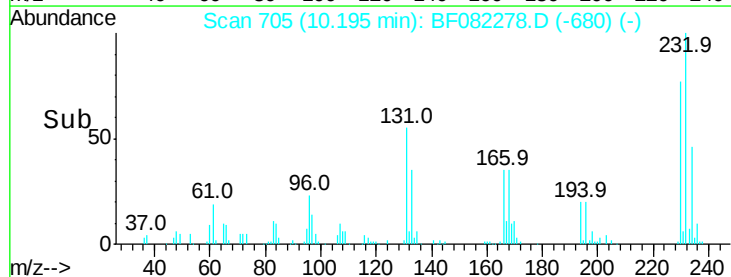
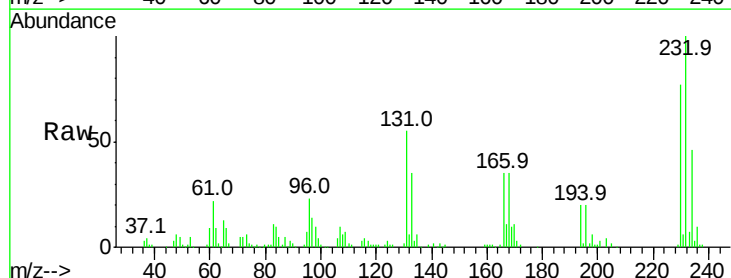
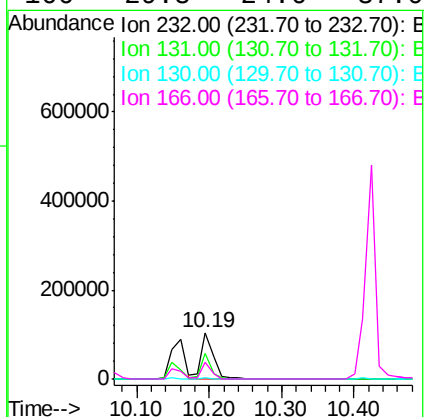
Ion Ratio Lower Upper

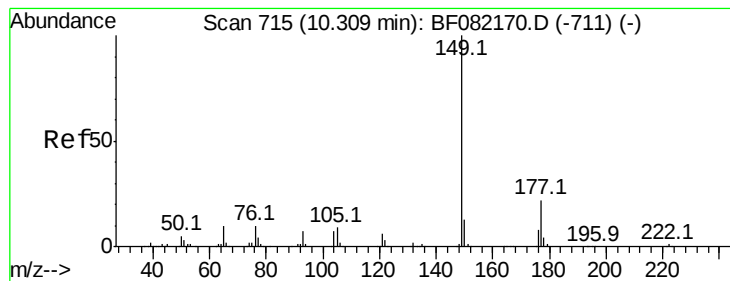
232 100

131 45.8 36.6 54.8

130 2.0 1.5 2.3

166 29.8 24.6 37.0





#59

Diethylphthalate

Concen: 35.93 ng

RT: 10.30 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

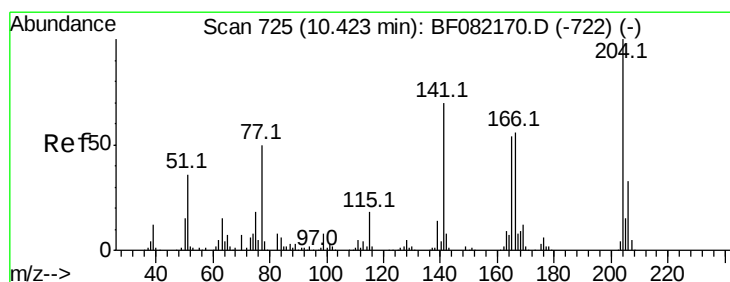
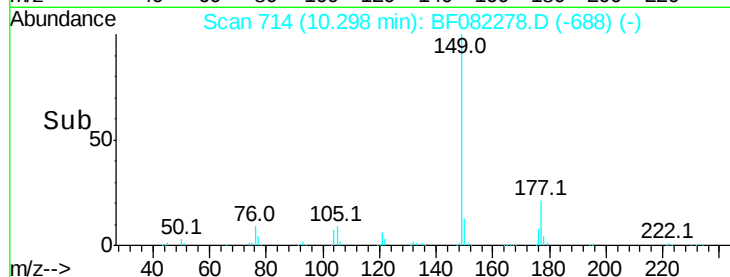
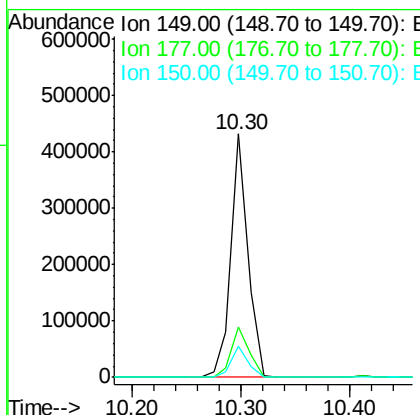
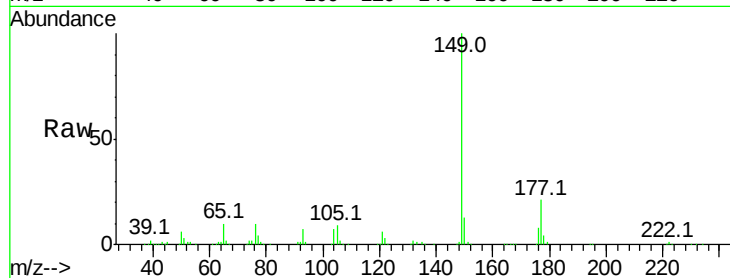
ClientSampleId :

PB86108BS

Tot Ion:	149	Resp:	464984
Ion Ratio	Lower	Upper	
149	100		
177	20.8	17.6	26.4
150	12.7	10.3	15.5

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#60

4-Chlorophenyl-phenylether

Concen: 34.92 ng

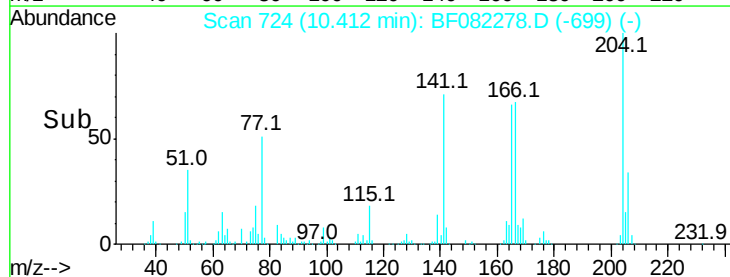
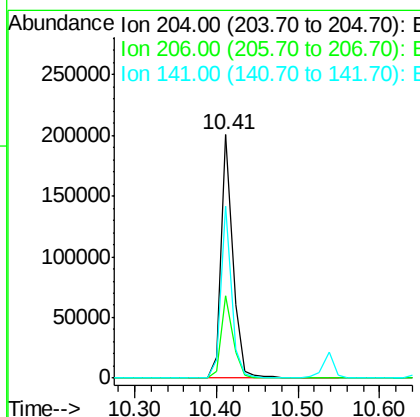
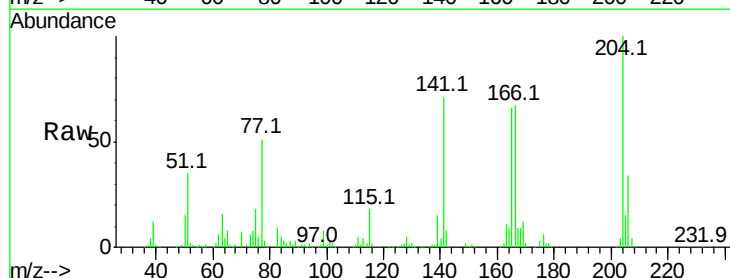
RT: 10.41 min Scan# 724

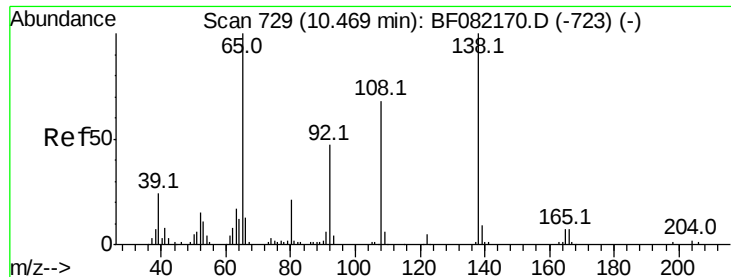
Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	204	Resp:	199624
Ion Ratio	Lower	Upper	
204	100		
206	33.7	26.8	40.2
141	70.6	56.1	84.1





#61

4-Nitroaniline

Concen: 34.53 ng

RT: 10.46 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

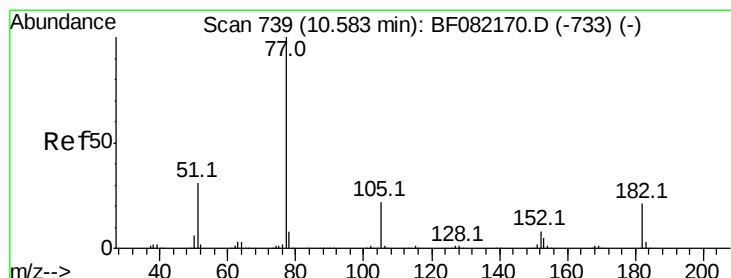
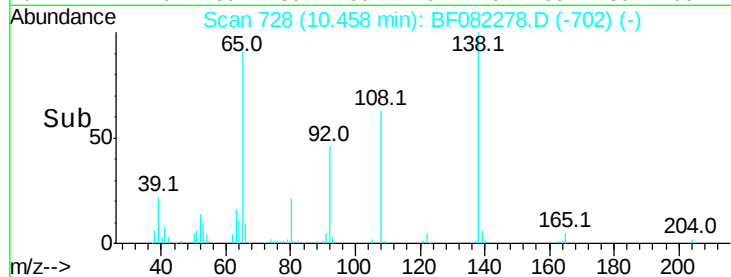
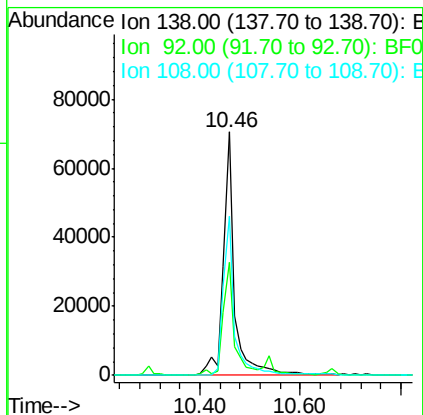
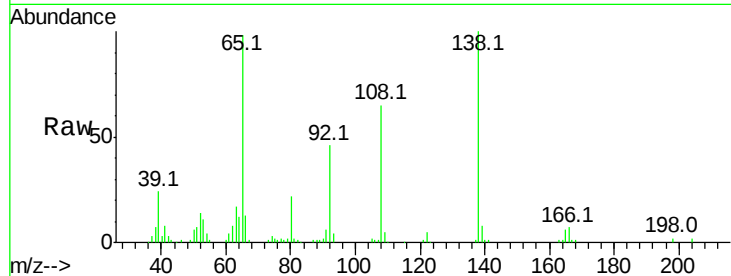
ClientSampleId :

PB86108BS

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Tot Ion:	138	Resp:	110824
Ion Ratio	Lower	Upper	
138	100		
92	46.3	26.8	66.8
108	65.2	48.4	88.4



#62

Azobenzene

Concen: 35.34 ng

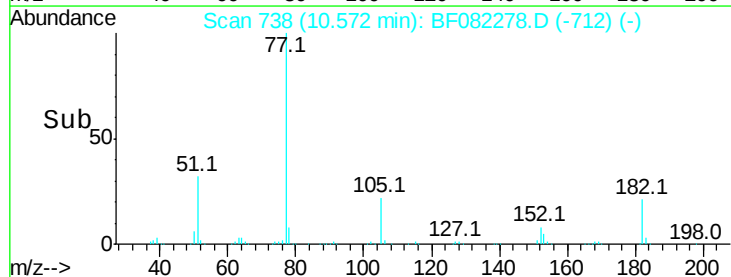
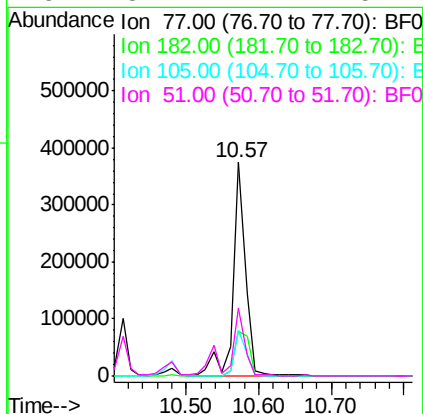
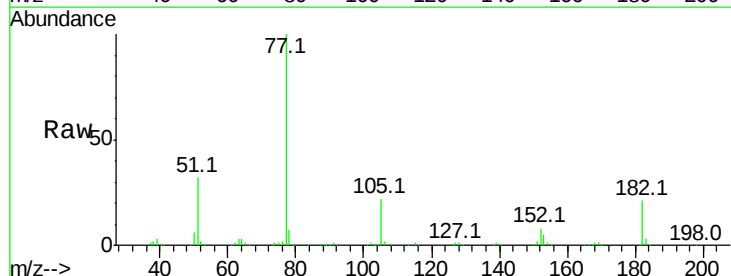
RT: 10.57 min Scan# 738

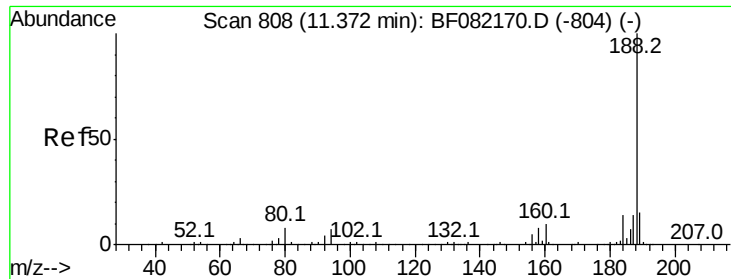
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	77	Resp:	447619
Ion Ratio	Lower	Upper	
77	100		
182	20.8	0.5	40.5
105	21.8	1.8	41.8
51	31.7	11.2	51.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

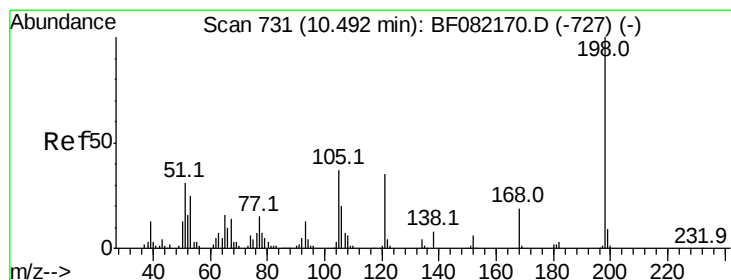
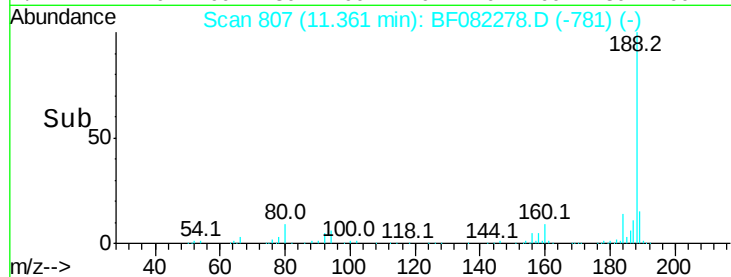
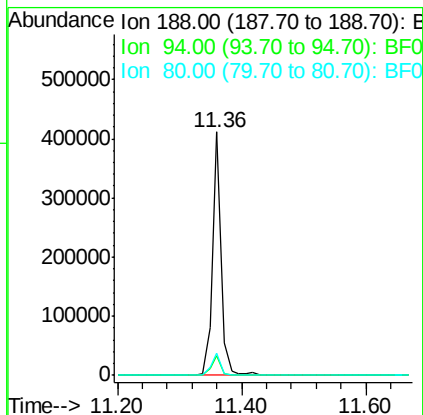
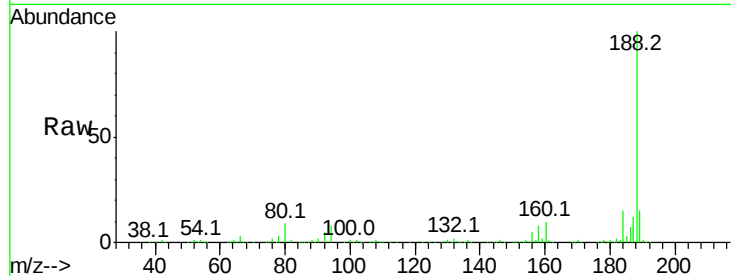
ClientSampleId :

PB86108BS

Tot Ion:	188	Resp:	393602
Ion Ratio	Lower	Upper	
188	100		
94	8.0	5.8	8.6
80	8.9	6.4	9.6

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#64

4,6-Dinitro-2-methylphenol

Concen: 33.22 ng

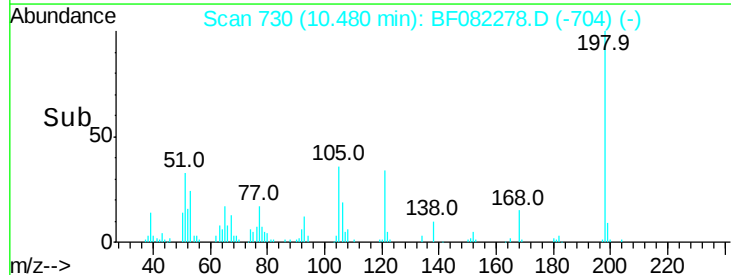
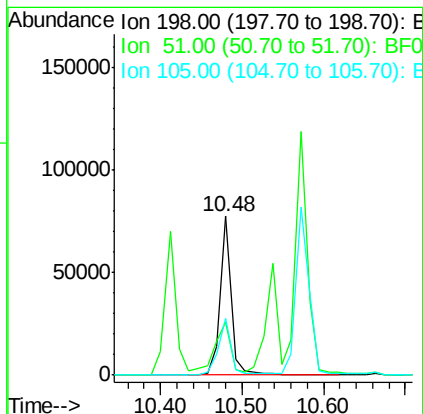
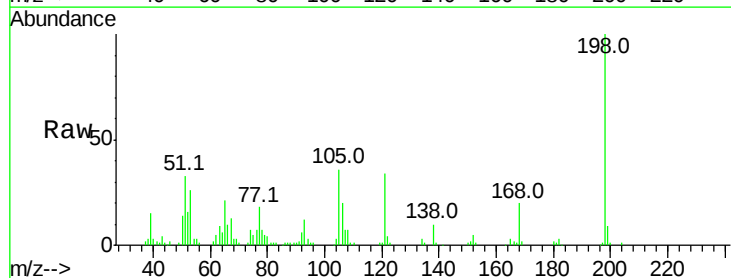
RT: 10.48 min Scan# 730

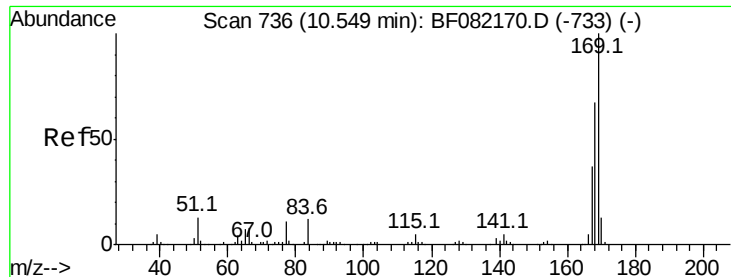
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	198	Resp:	73385
Ion Ratio	Lower	Upper	
198	100		
51	33.3	13.6	53.6
105	35.8	17.1	57.1





#65

n-Nitrosodiphenylamine

Concen: 33.95 ng

RT: 10.54 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

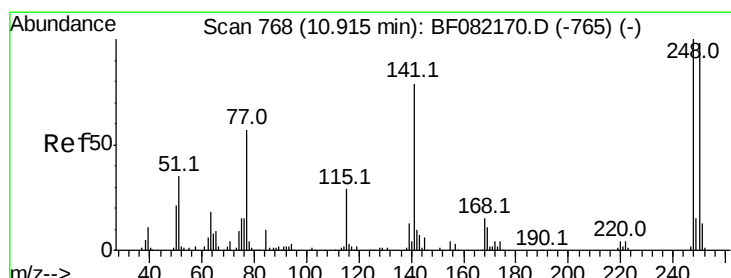
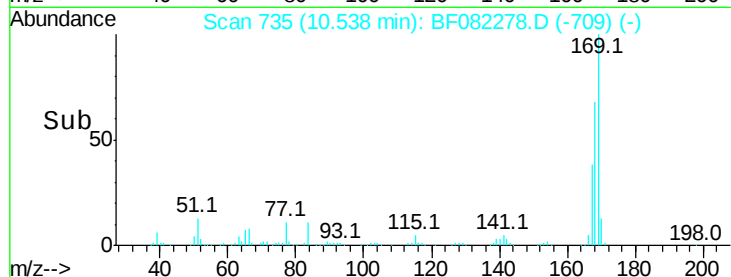
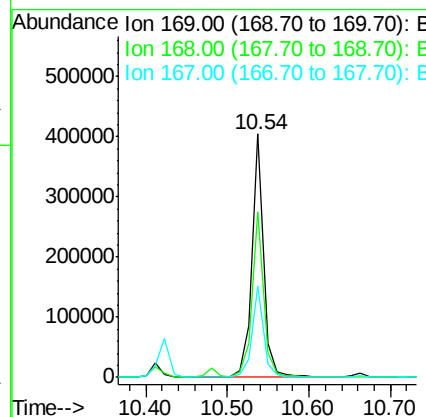
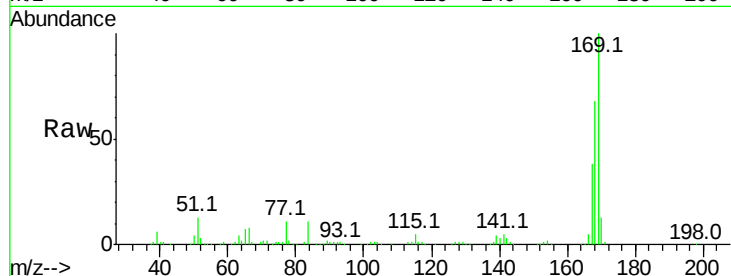
ClientSampleId :

PB86108BS

Tot Ion:	169	Resp:	400109
Ion Ratio	Lower	Upper	
169	100		
168	67.8	54.0	81.0
167	37.6	29.6	44.4

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#66

4-Bromophenyl-phenylether

Concen: 32.26 ng

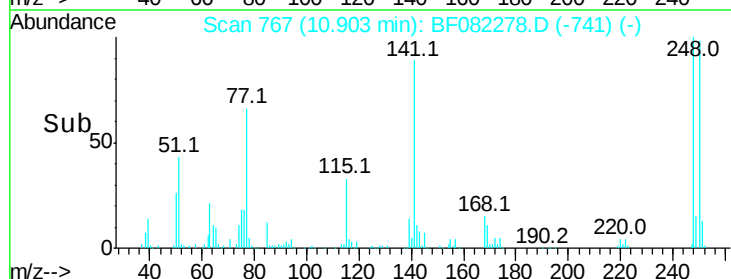
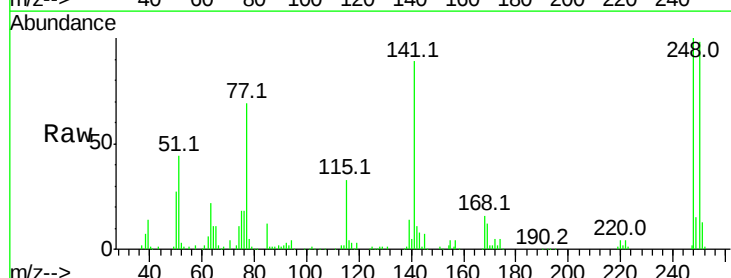
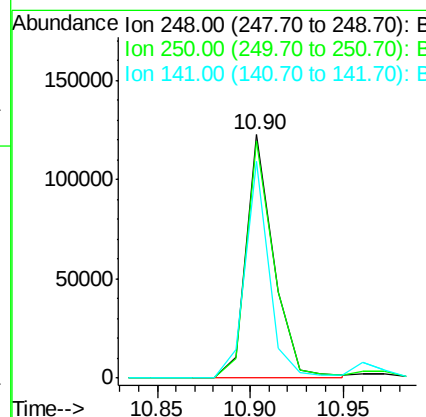
RT: 10.90 min Scan# 767

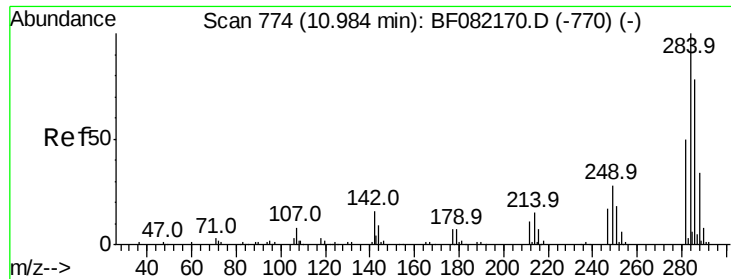
Delta R.T. -0.00 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	248	Resp:	127069
Ion Ratio	Lower	Upper	
248	100		
250	97.6	78.6	117.8
141	89.1	63.3	94.9





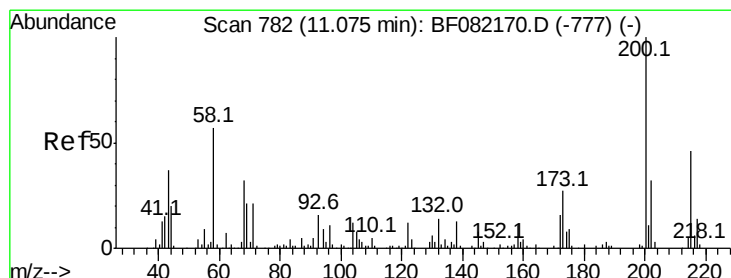
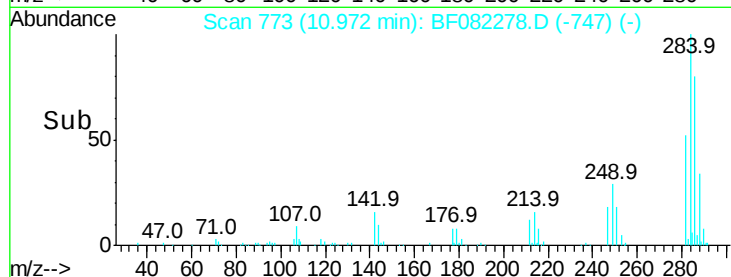
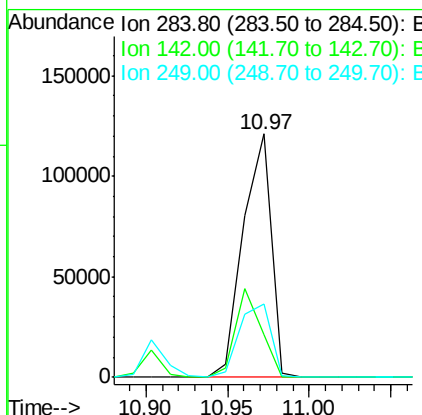
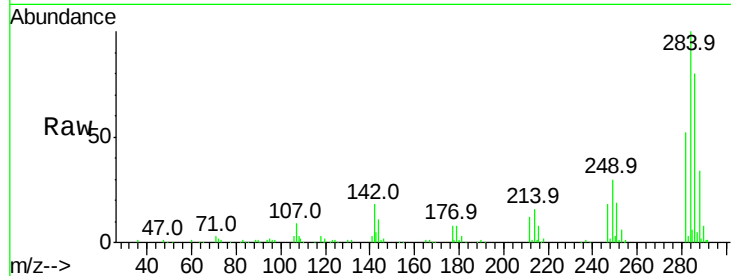
#67
Hexachlorobenzene
Concen: 33.88 ng
RT: 10.97 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	144323		
142	17.6	13.0	19.6	
249	30.2	22.5	33.7	

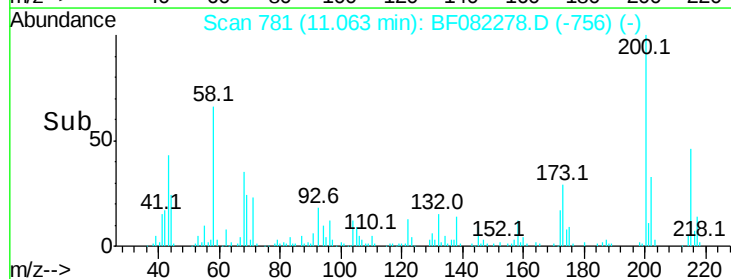
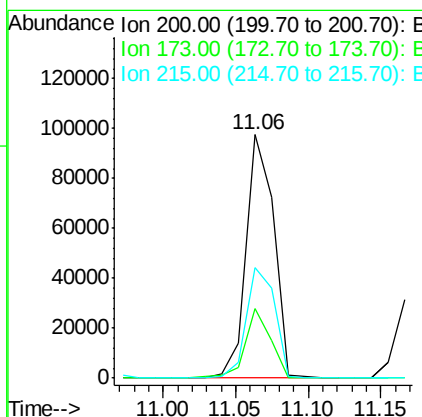
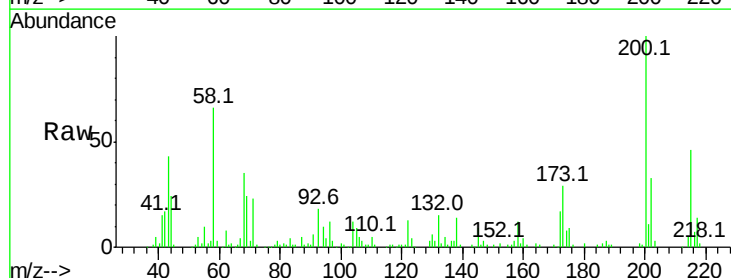
Manual Integrations
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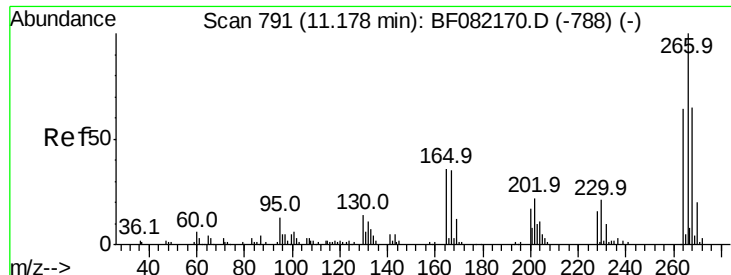
MMdadoda
10/15/2015 4:55:36 PM



#68
Atrazine
Concen: 34.58 ng
RT: 11.06 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	129101		
173	28.8	7.3	47.3	
215	45.5	26.2	66.2	





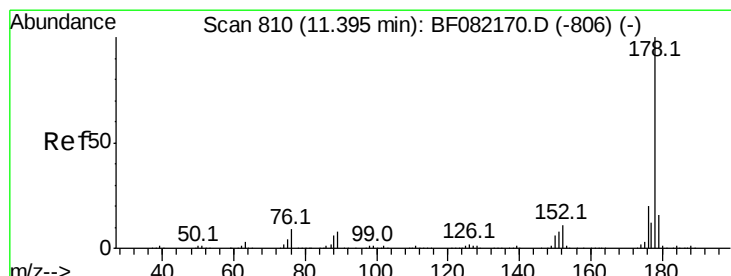
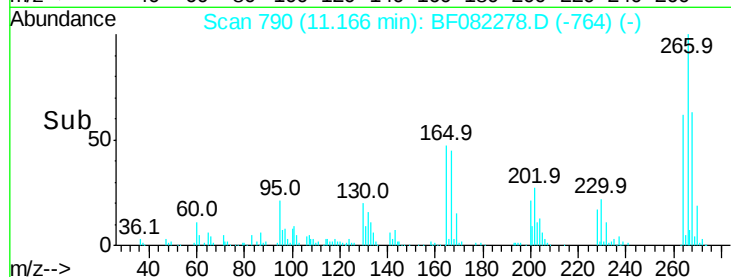
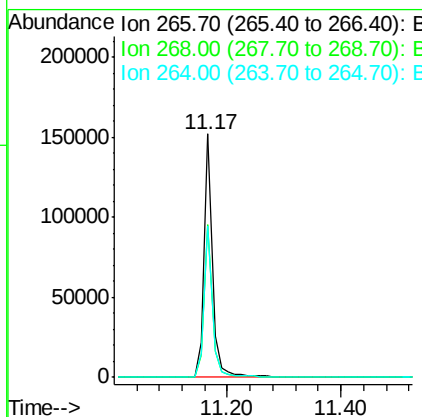
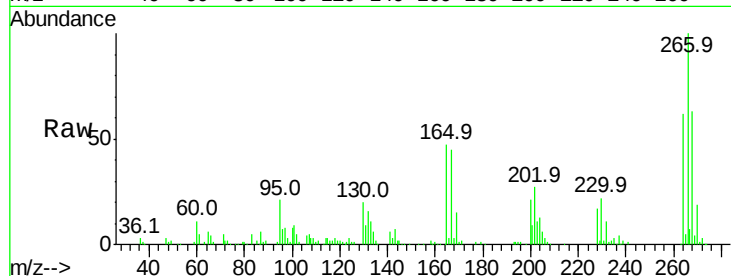
#69
 Pentachlorophenol
 Concen: 68.85 ng
 RT: 11.17 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	150922		
268	62.9	52.0	78.0	
264	62.0	51.4	77.0	

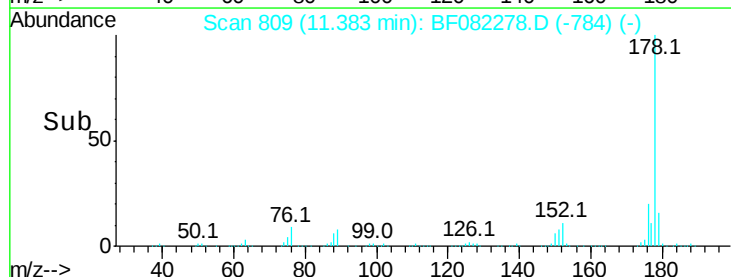
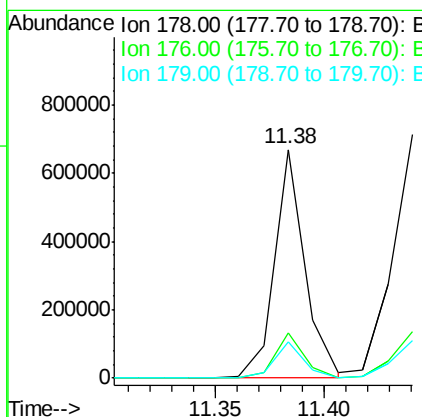
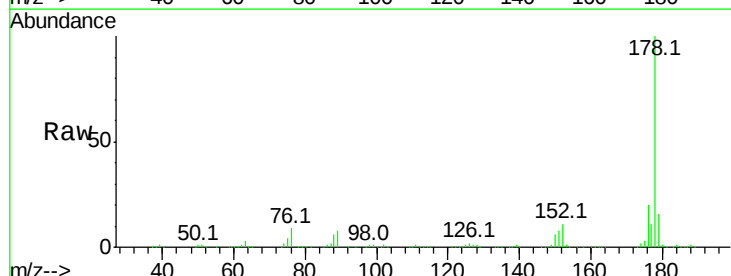
Manual Integrations
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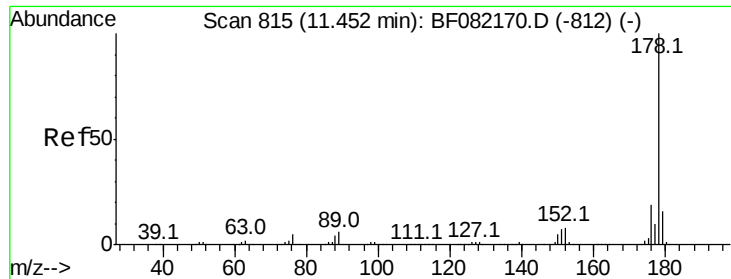
MMdadoda
 10/15/2015 4:55:36 PM



#70
 Phenanthrene
 Concen: 33.87 ng
 RT: 11.38 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	653511		
176	19.8	16.0	24.0	
179	15.8	12.6	19.0	





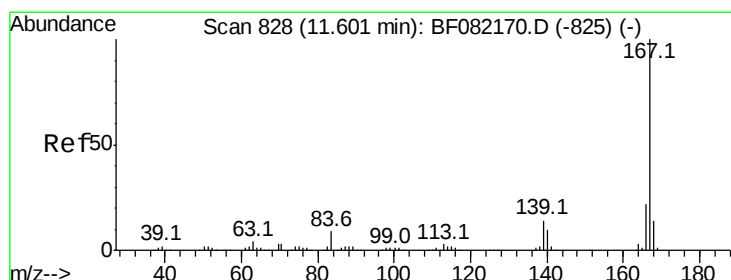
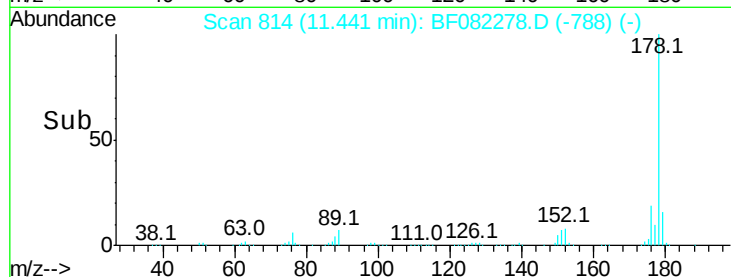
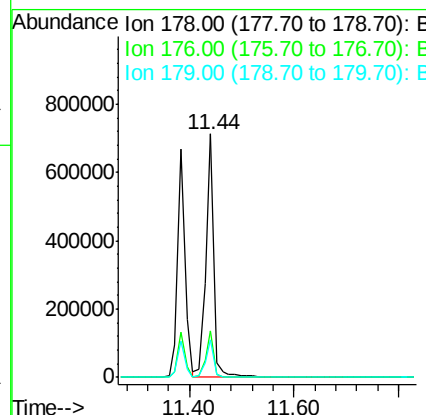
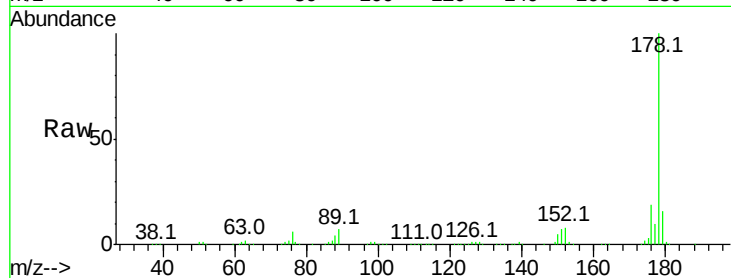
#71
 Anthracene
 Concen: 38.42 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.5	18.7

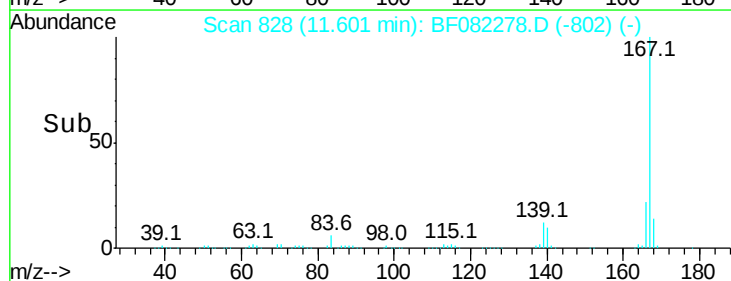
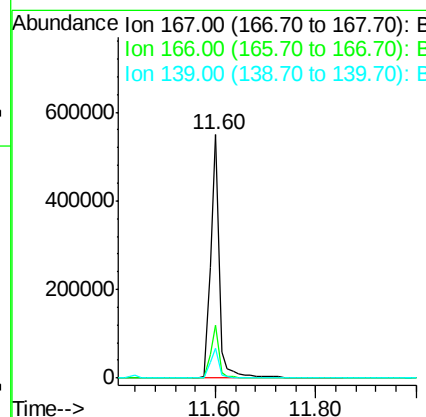
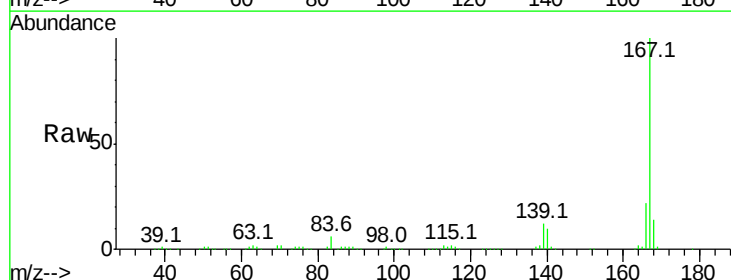
Manual Integrations
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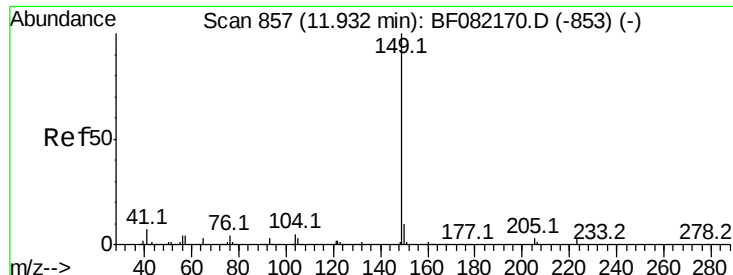
MMdadoda
 10/15/2015 4:55:36 PM



#72
 Carbazole
 Concen: 36.15 ng
 RT: 11.60 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.3	25.9
139	12.3	11.2	16.8





#73

Di-n-butylphthalate

Concen: 33.93 ng

RT: 11.92 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

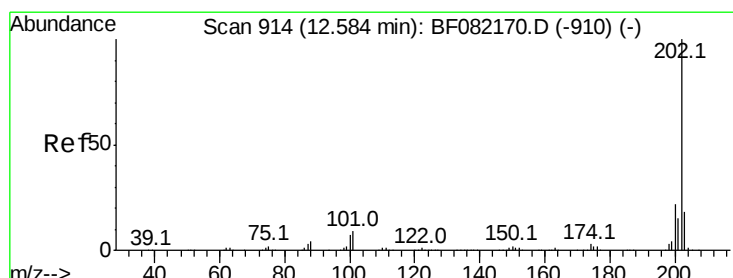
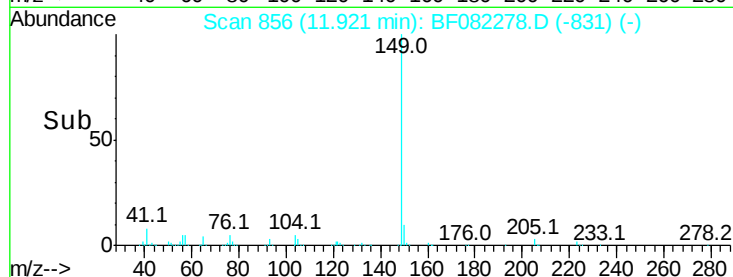
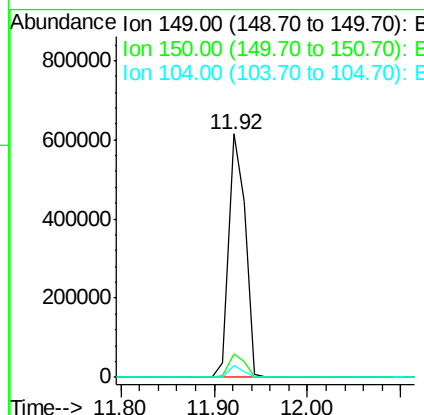
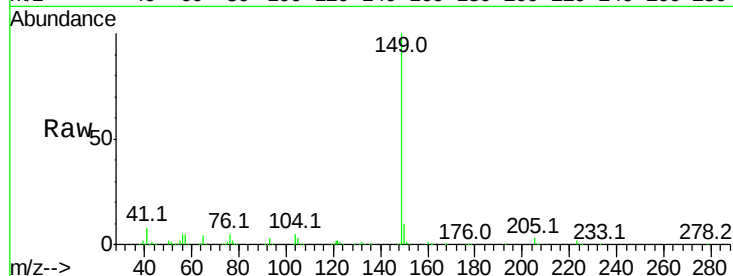
ClientSampleId :

PB86108BS

Manual Integrations
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MMdadoda
10/15/2015 4:55:36 PM

Tot Ion:	149	Resp:	759096
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.8	11.6
104	4.9	3.8	5.8



#74

Fluoranthene

Concen: 33.54 ng

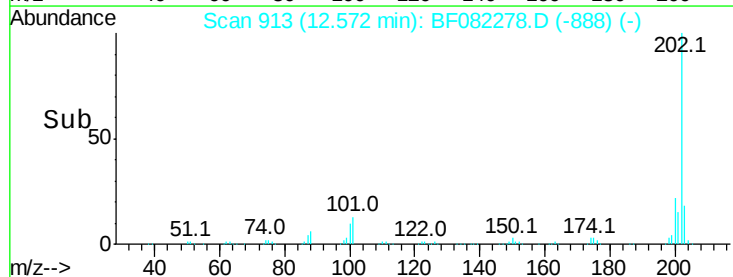
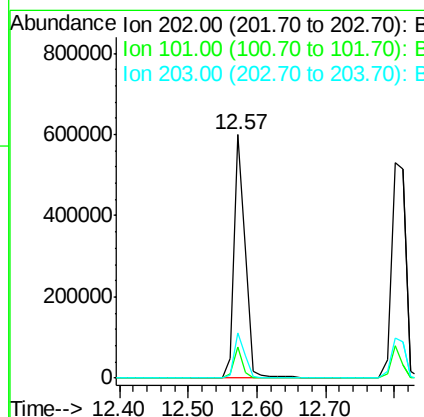
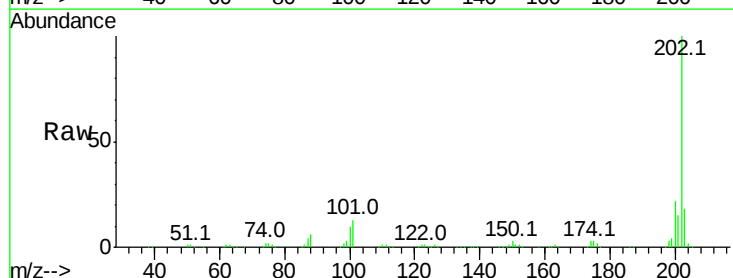
RT: 12.57 min Scan# 913

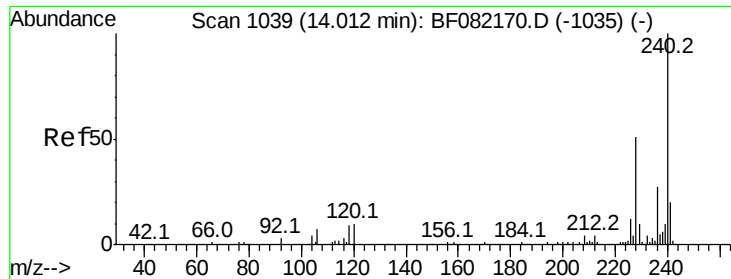
Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	202	Resp:	695030
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	29.3
203	18.4	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.08 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

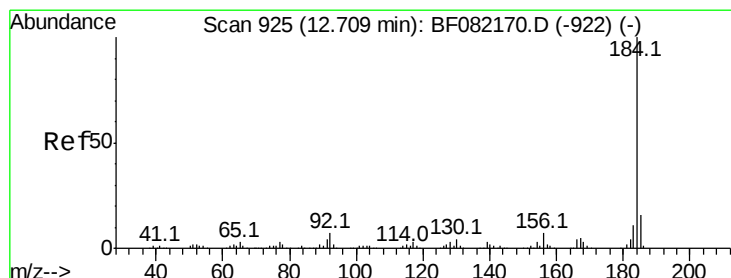
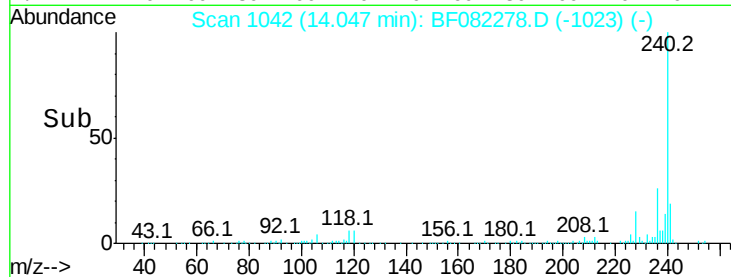
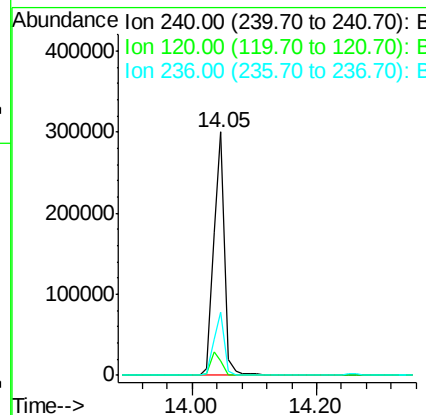
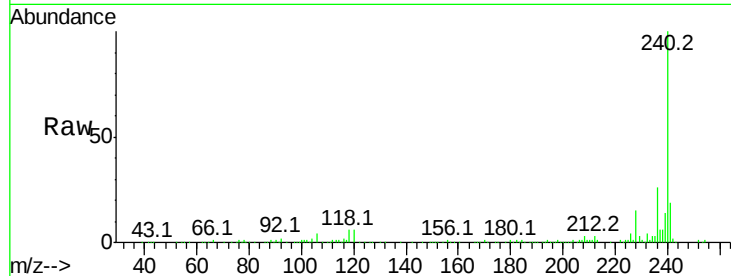
ClientSampleId :

PB86108BS

Tot Ion:	240	Resp:	358460
Ion Ratio	Lower	Upper	
240	100		
120	6.1	8.1	12.1#
236	26.0	21.3	31.9

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#76

Benzidine

Concen: 33.20 ng

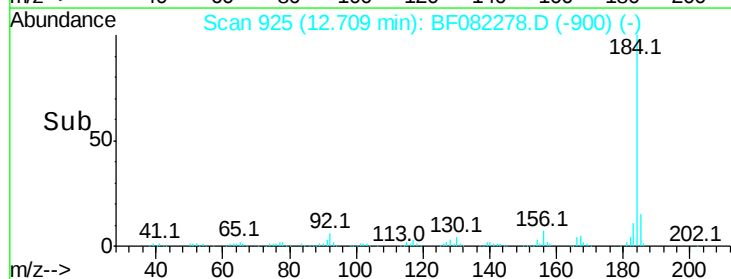
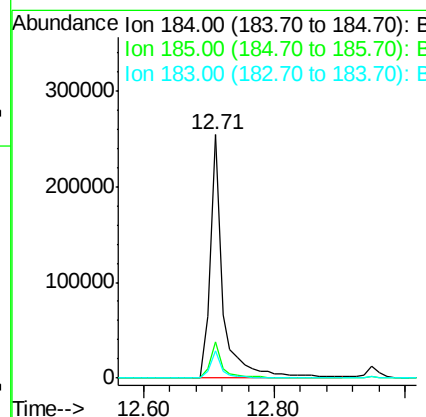
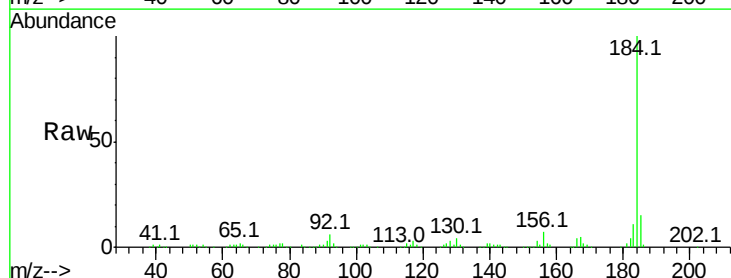
RT: 12.71 min Scan# 925

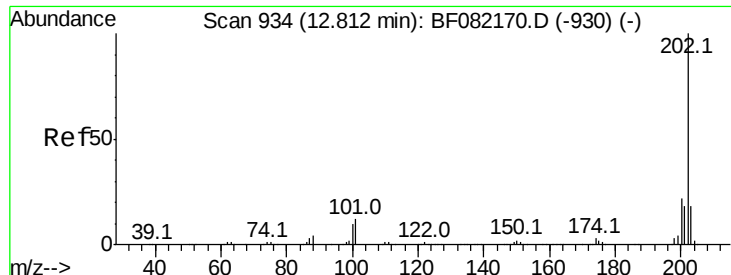
Delta R.T. -0.01 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion:	184	Resp:	344868
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.5	18.7
183	11.2	9.1	13.7





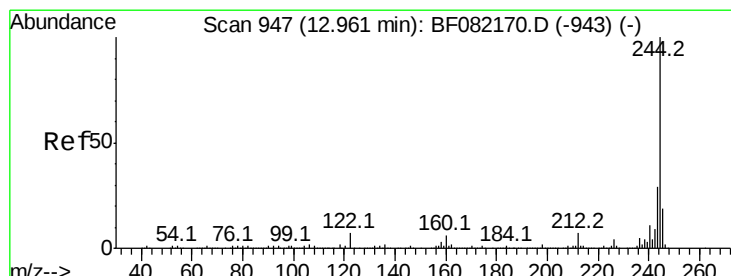
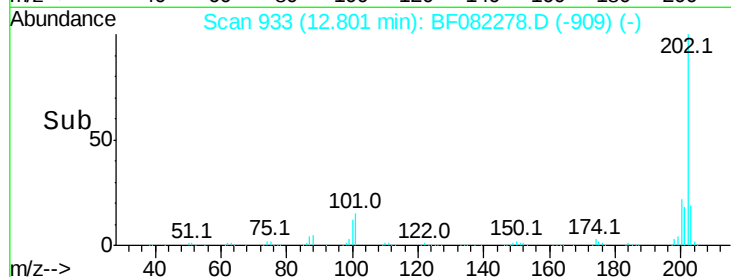
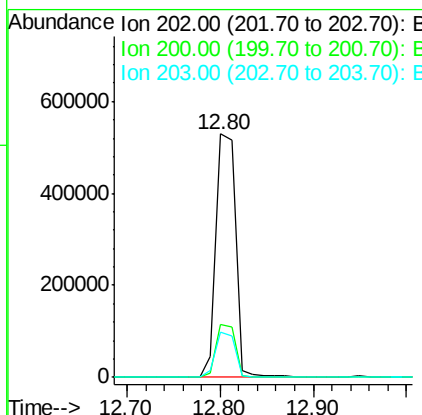
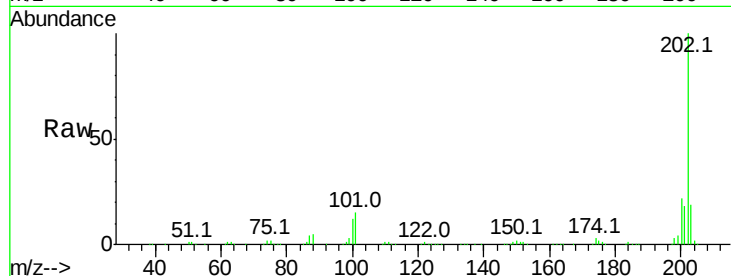
#77
Pvrene
Concen: 36.14 ng
RT: 12.80 min Scan# 933
Delta R.T. -0.02 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.9	26.9
203	18.6	14.5	21.7

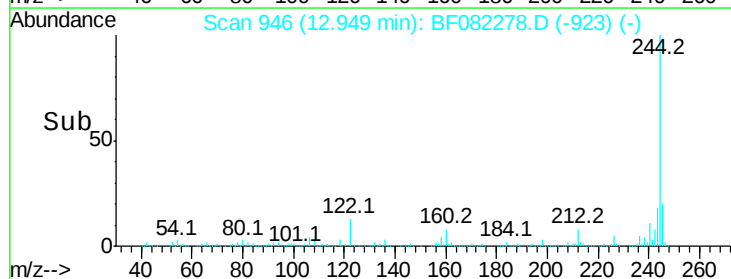
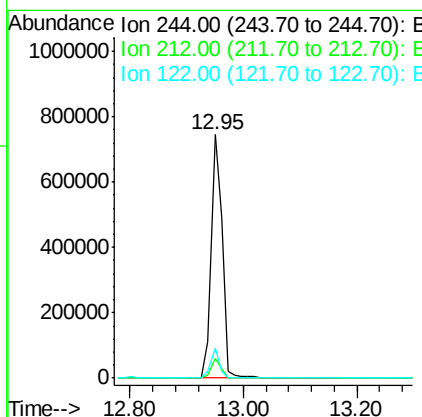
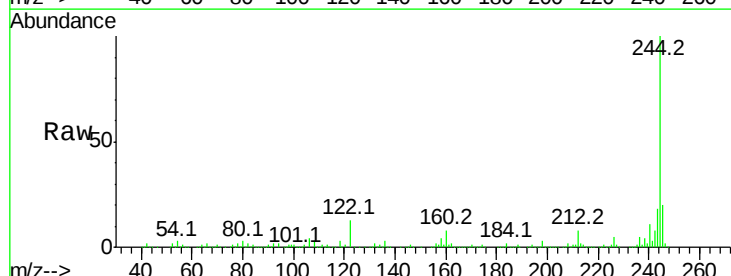
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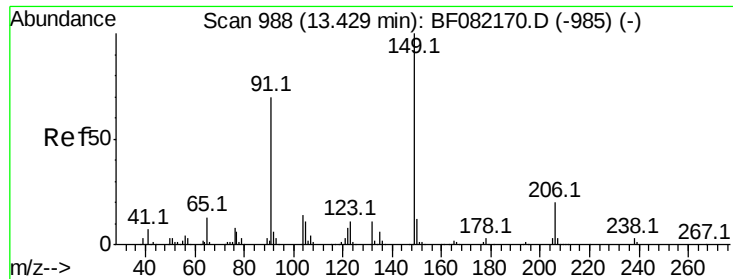
MMdadoda
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#78
Terphenyl-d14
Concen: 71.75 ng
RT: 12.95 min Scan# 946
Delta R.T. -0.03 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	5.8	8.6
122	12.5	5.9	8.9#





#79

Butylbenzylphthalate

Concen: 35.76 ng

RT: 13.44 min Scan# 989

Delta R.T. -0.05 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

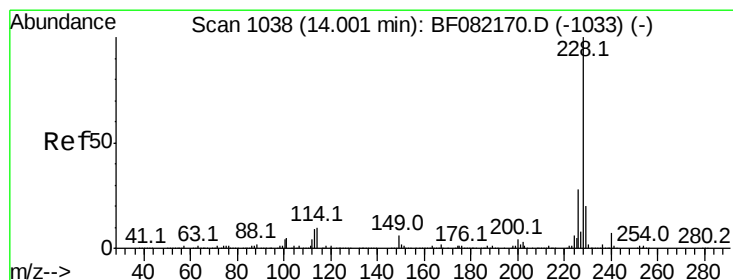
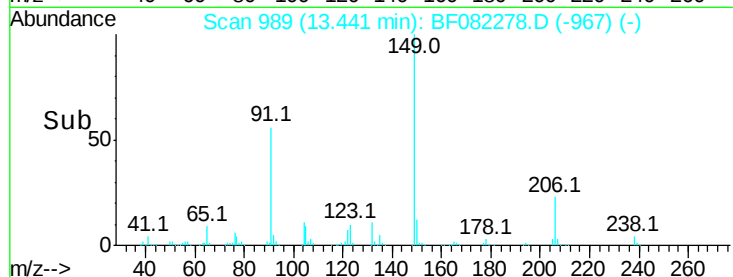
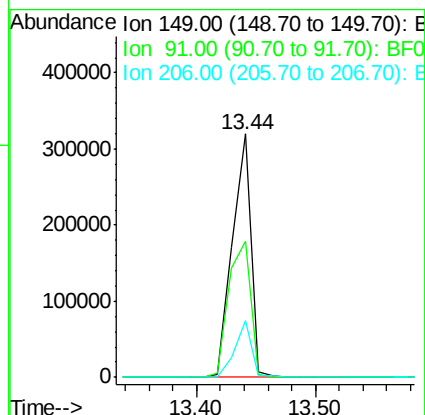
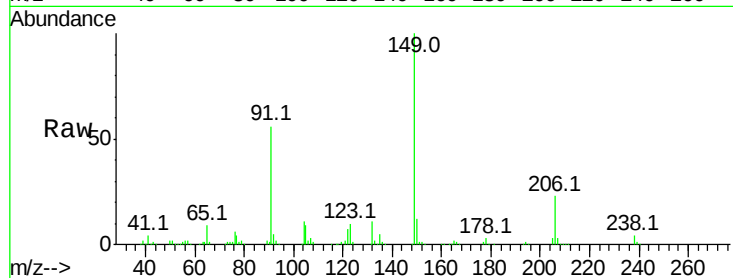
ClientSampleId :

PB86108BS

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Tot Ion	Ratio	Resp	Lower	Upper
149	100	347145		
91	56.1	55.7	83.5	
206	23.5	15.6	23.4	



#80

Benzo(a)anthracene

Concen: 35.72 ng

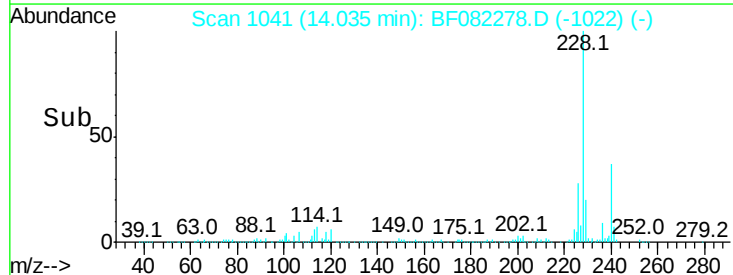
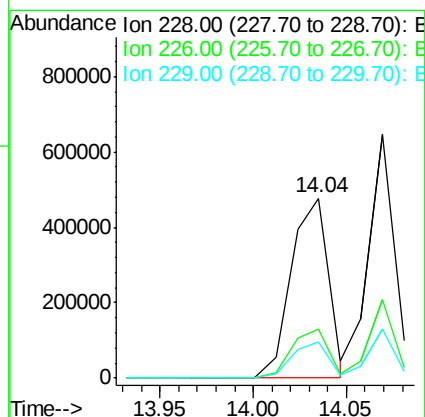
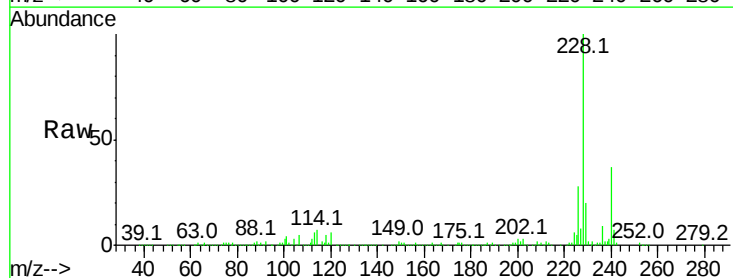
RT: 14.04 min Scan# 1041

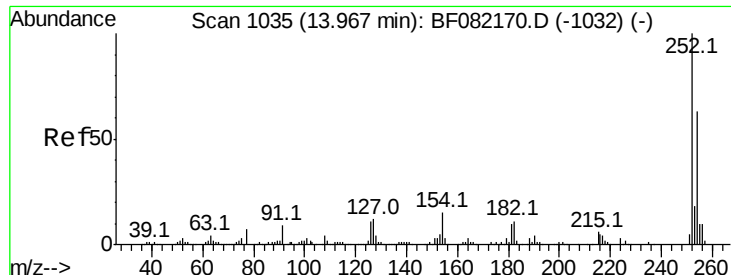
Delta R.T. -0.08 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	666219		
226	27.5	22.3	33.5	
229	19.9	16.2	24.2	





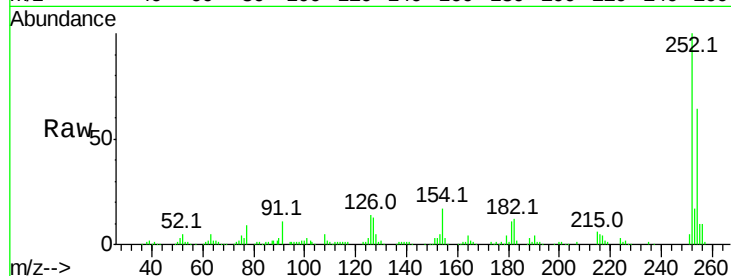
#81
 3,3'-Dichlorobenzidine
 Concen: 23.84 ng
 RT: 13.99 min Scan# 1037
 Delta R.T. -0.09 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

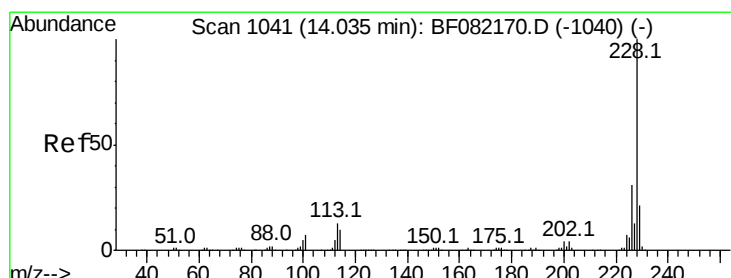
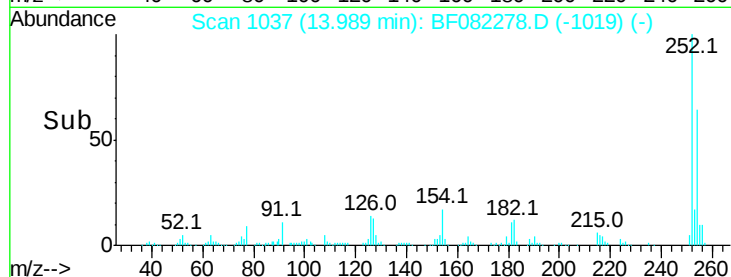
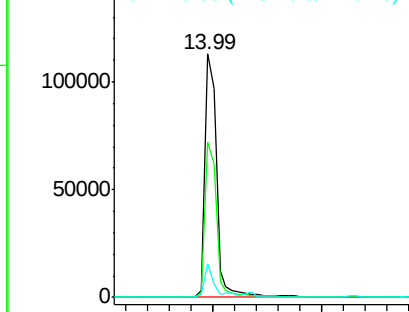
Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	63.5	50.7	76.1
126	13.8	9.0	13.6

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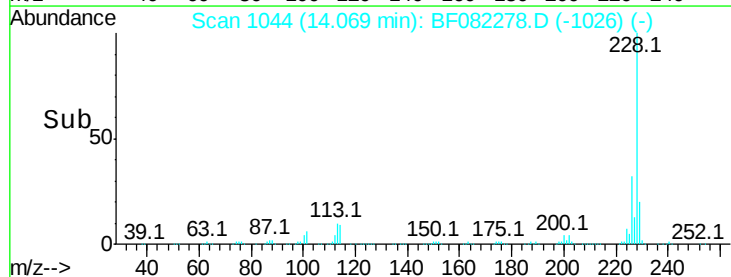
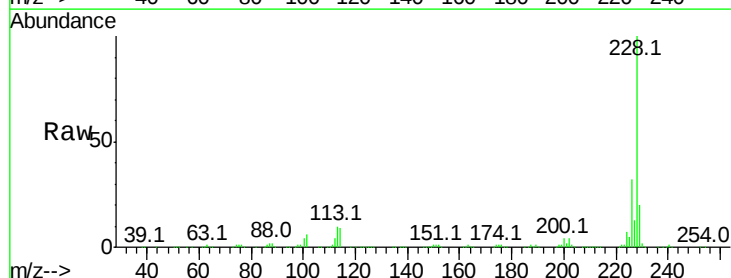
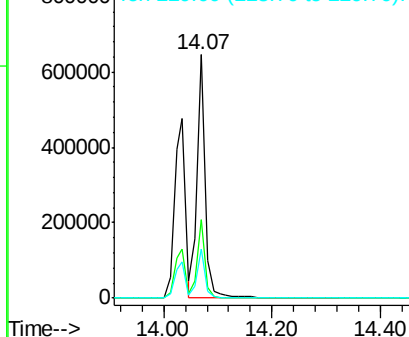
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

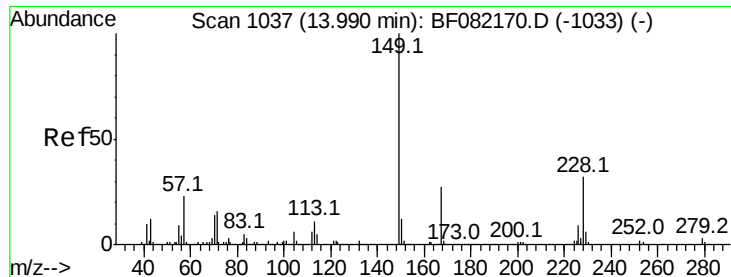


#82
 Chrysene
 Concen: 33.61 ng
 RT: 14.07 min Scan# 1044
 Delta R.T. -0.09 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	32.0	24.4	36.6
229	20.2	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





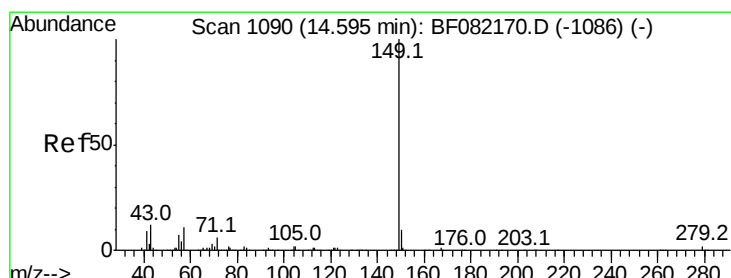
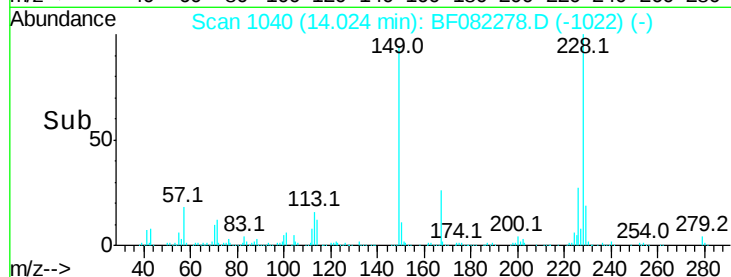
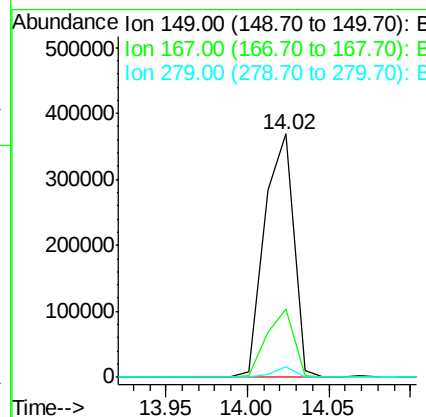
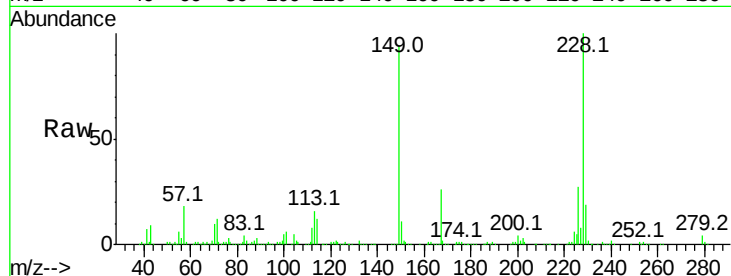
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 33.37 ng
 RT: 14.02 min Scan# 1040
 Delta R.T. -0.09 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Instrument :
 BNA_F
 ClientSampleId :
 PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	462217		
167	27.9	21.3	31.9	
279	4.2	2.6	4.0#	

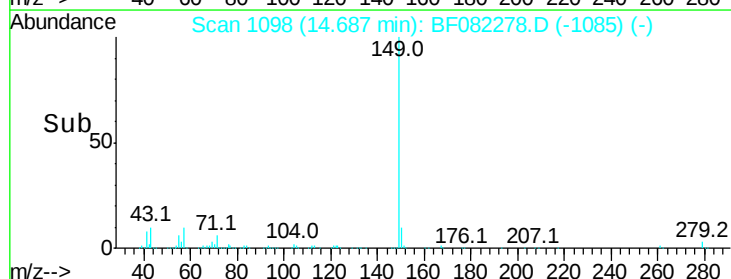
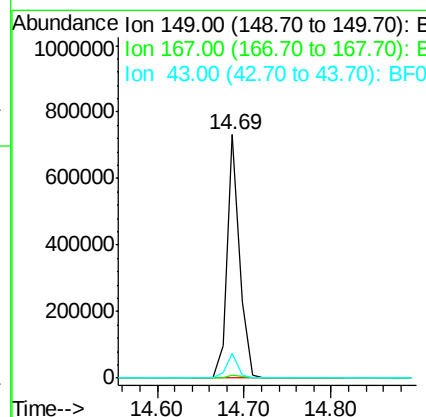
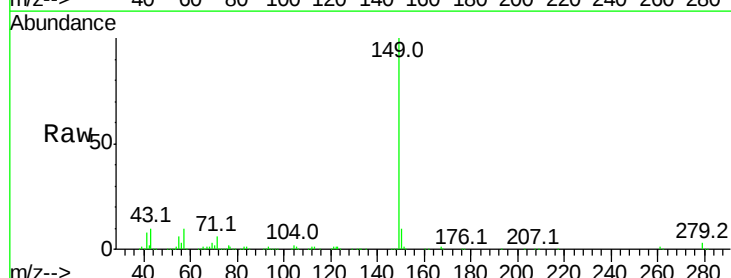
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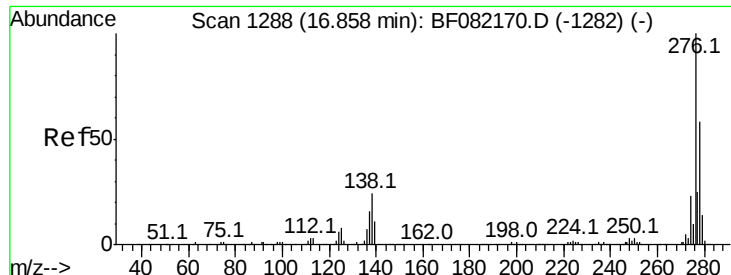
MMdadoda
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#84
 Di-n-octyl phthalate
 Concen: 30.92 ng
 RT: 14.69 min Scan# 1098
 Delta R.T. -0.15 min
 Lab File: BF082278.D
 Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	735527		
167	1.5	1.3	1.9	
43	9.6	7.4	11.2	





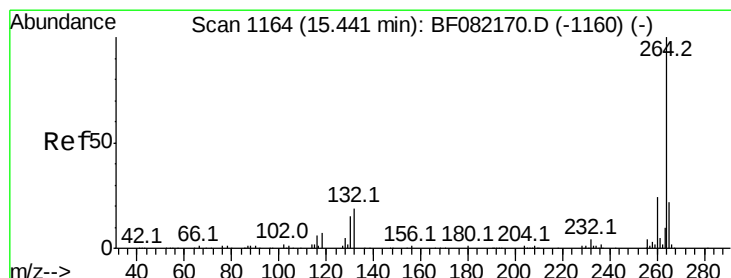
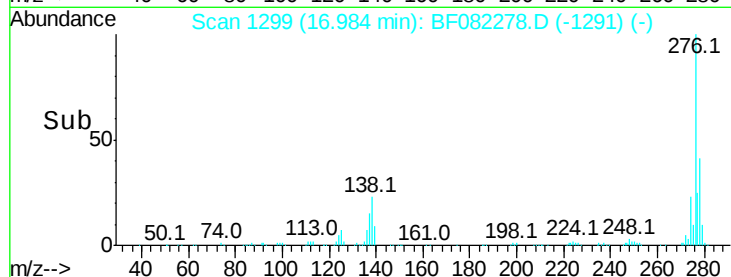
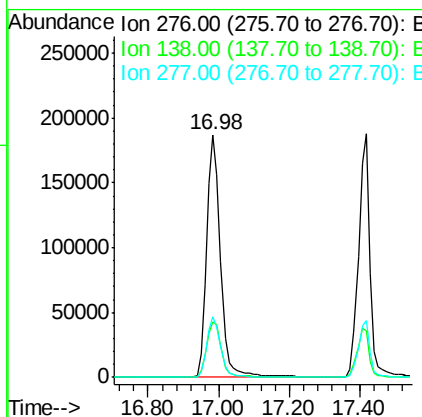
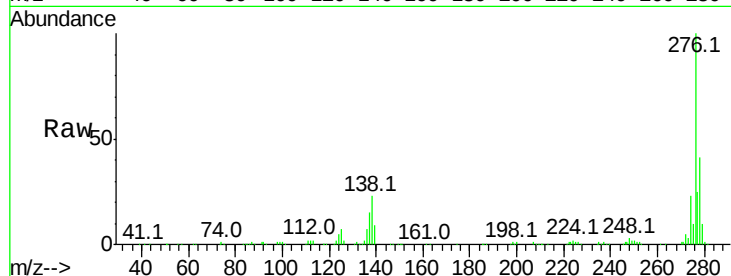
#85
Indeno(1,2,3-cd)pyrene
Concen: 33.32 ng
RT: 16.98 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.7	29.5
277	24.8	20.1	30.1

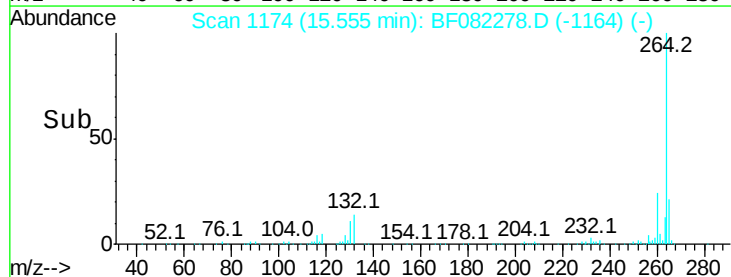
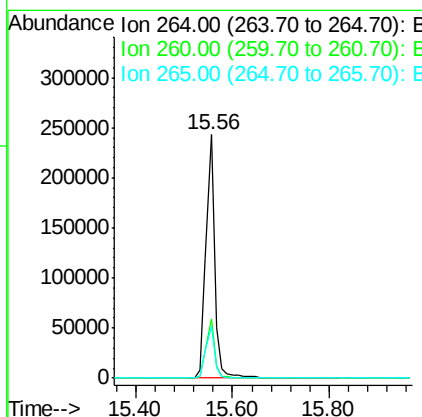
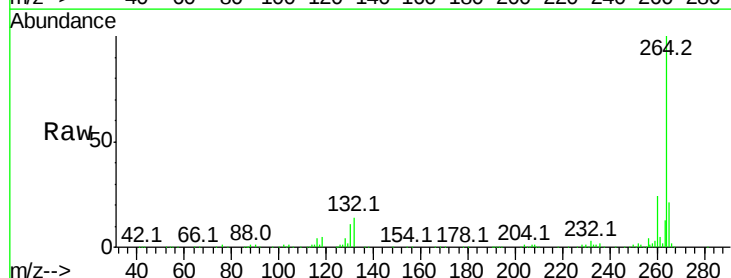
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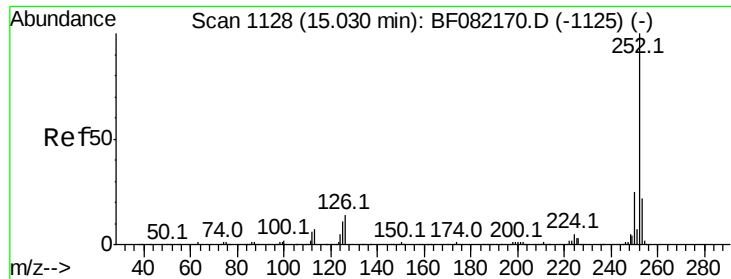
MMdadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1174
Delta R.T. -0.18 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 30.65 ng m

RT: 15.13 min Scan# 1137

Delta R.T. -0.17 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

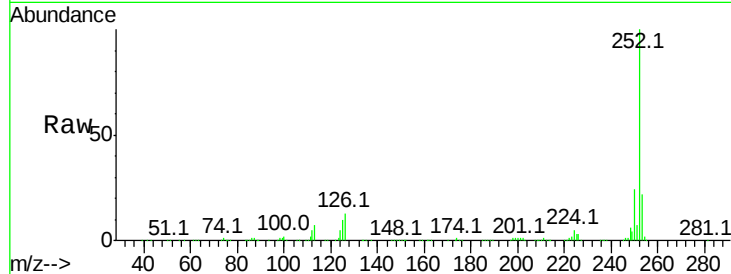
ClientSampleId :

PB86108BS

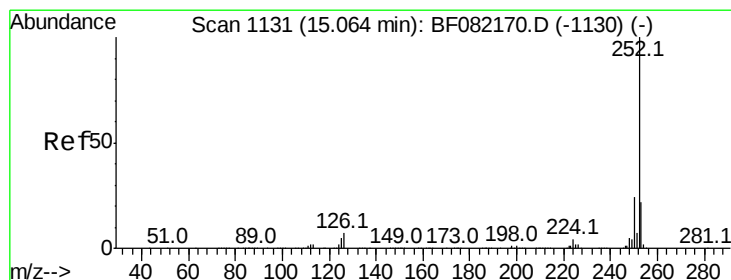
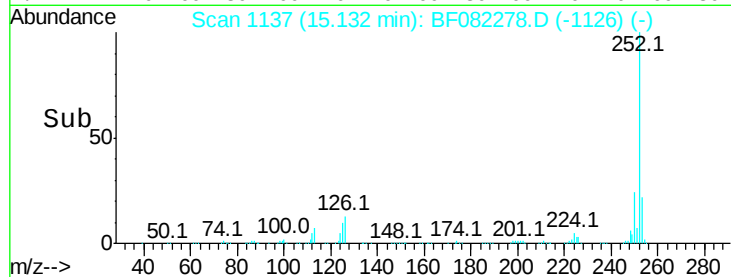
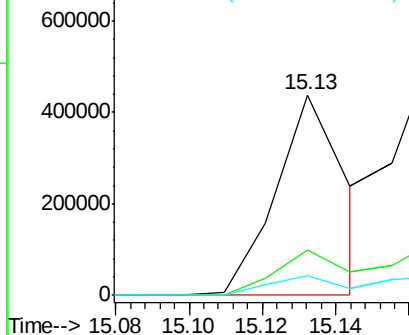
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	9.7	8.6	12.8

Manual Integrations
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MMdadoda
10/15/2015 4:55:36 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 40.68 ng m

RT: 15.17 min Scan# 1140

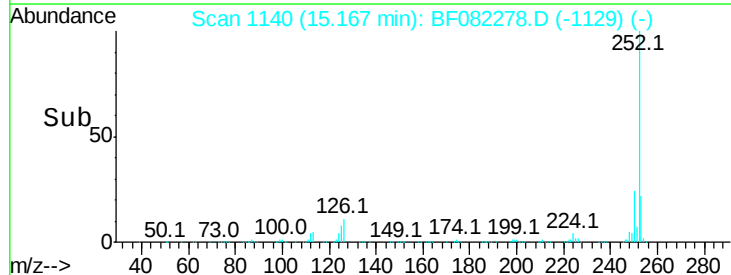
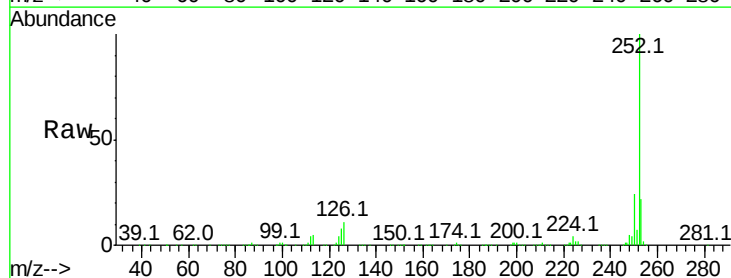
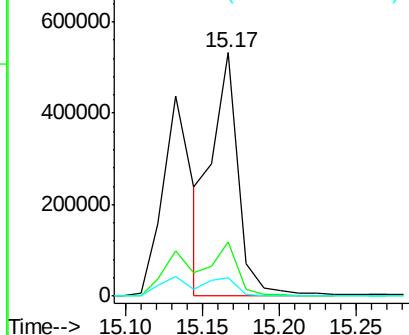
Delta R.T. -0.17 min

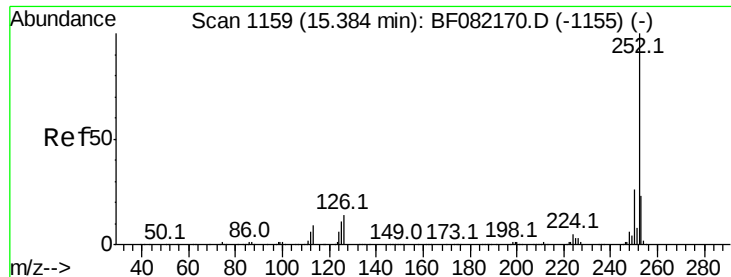
Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	7.6	6.7	10.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





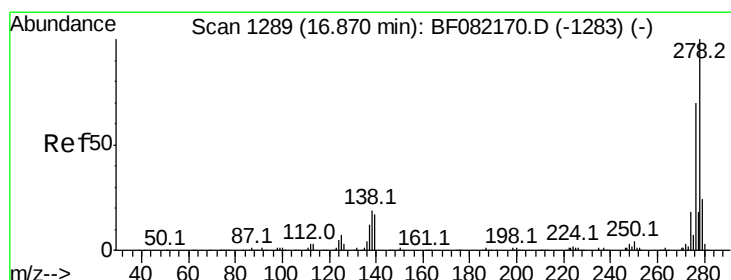
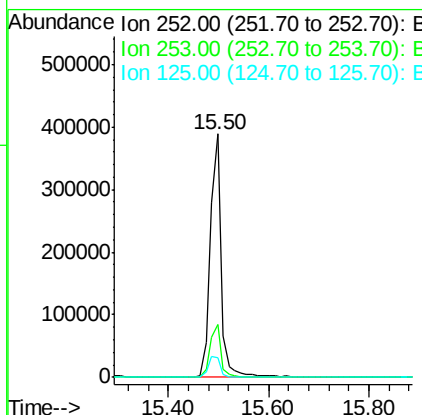
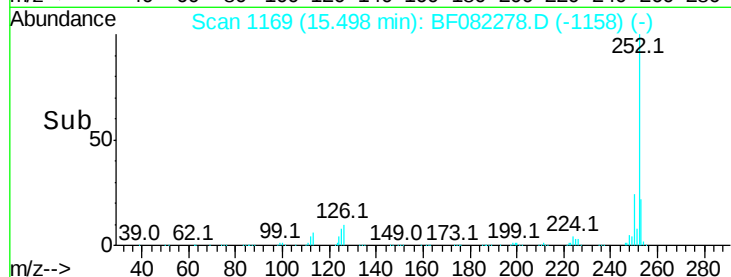
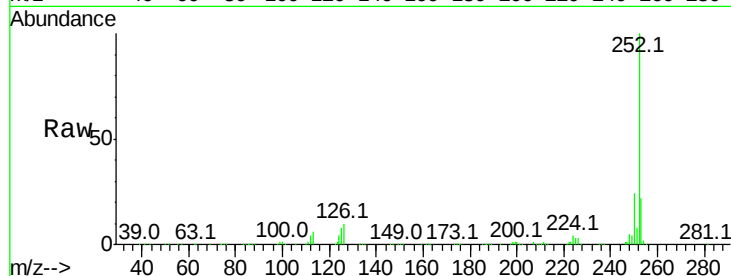
#89
Benzo(a)pyrene
Concen: 35.72 ng
RT: 15.50 min Scan# 1169
Delta R.T. -0.17 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Instrument :
BNA_F
ClientSampleId :
PB86108BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	7.8	8.9	13.3#

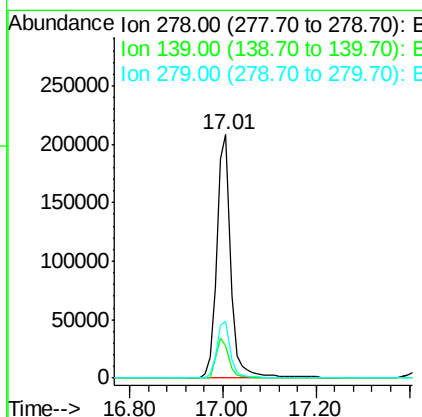
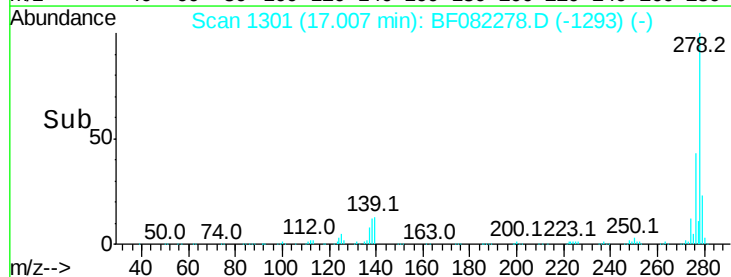
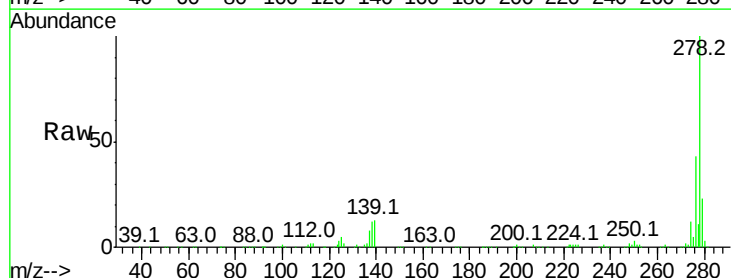
Manual Integrations
APPROVED

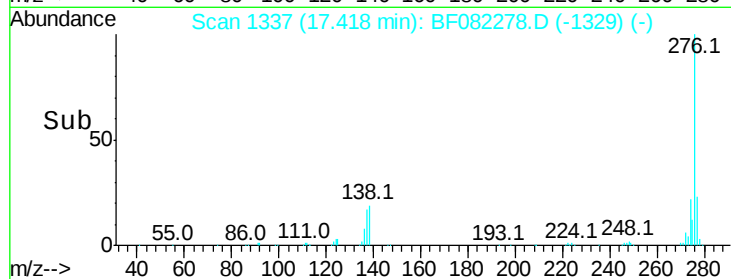
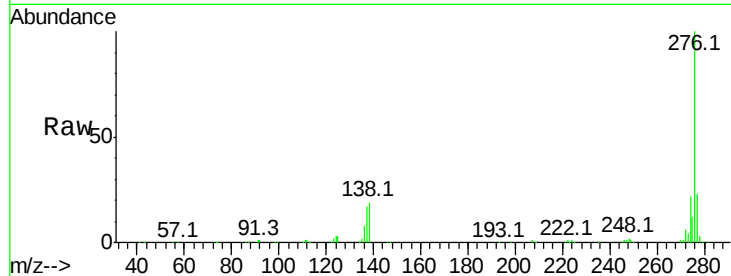
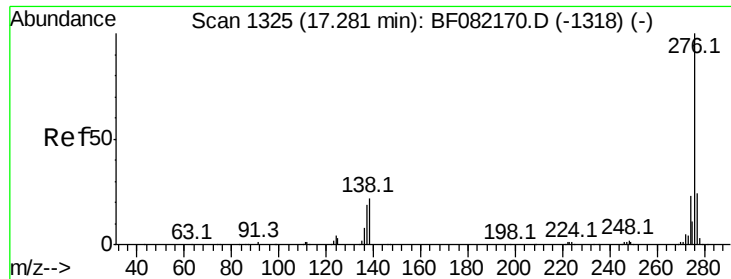
MMdadoda
10/15/2015 4:55:36 PM



#90
Dibenzo(a,h)anthracene
Concen: 32.70 ng
RT: 17.01 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF082278.D
Acq: 14 Oct 2015 14:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.2	13.3	19.9#
279	23.2	18.9	28.3





#91

Benzo(a,h,i)perylene

Concen: 32.94 ng

RT: 17.42 min Scan# 1337

Delta R.T. -0.21 min

Lab File: BF082278.D

Acq: 14 Oct 2015 14:33

Instrument :

BNA_F

ClientSampleId :

PB86108BS

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.2	18.8	28.2	
138	18.9	17.4	26.2	

Manual Integrations
APPROVED

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