

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111615\
 Data File : BF082962.D
 Acq On : 17 Nov 2015 2:46
 Operator : UM/IZ
 Sample : PB86680BSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Manual Integrations
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 11/17/2015 5:56:16 PM

Quant Time: Nov 17 08:03:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 04:41:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	226091	20.00	ng	-0.07
21) Naphthalene-d8	8.08	136	876447	20.00	ng	-0.07
38) Acenaphthene-d10	9.82	164	445800	20.00	ng	-0.07
63) Phenanthrene-d10	11.31	188	876399	20.00	ng	-0.07
75) Chrysene-d12	13.94	240	635986	20.00	ng	-0.08
86) Perylene-d12	15.35	264	603356	20.00	ng	-0.11

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1002787	69.01	ng	-0.05
7) Phenol-d6	6.44	99	1312181	67.93	ng	-0.05
23) Nitrobenzene-d5	7.36	82	1322737	65.67	ng	-0.06
41) 2,4,6-Tribromophenol	10.61	330	305928	59.85	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	1919139	61.70	ng	-0.07
78) Terphenyl-d14	12.90	244	2152535	80.28	ng	-0.07

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.42	88	184431	29.42	ng	96
3) Pyridine	3.10	79	497666	27.35	ng	94
4) n-Nitrosodimethylamine	3.06	42	259874	28.80	ng	# 73
6) Aniline	6.44	93	410281	15.13	ng	# 39
8) 2-Chlorophenol	6.58	128	515317	31.99	ng	98
9) Benzaldehyde	6.32	77	28686	2.69	ng	92
10) Phenol	6.45	94	768142	35.04	ng	86
11) bis(2-Chloroethyl)ether	6.52	93	539578	32.92	ng	90
12) 1,3-Dichlorobenzene	6.73	146	549250m	30.23	ng	
13) 1,4-Dichlorobenzene	6.80	146	530840	28.08	ng	98
14) 1,2-Dichlorobenzene	6.96	146	538959	31.35	ng	99
15) Benzyl Alcohol	6.93	79	455829	26.87	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.07	45	799444	33.25	ng	85
17) 2-Methylphenol	7.06	107	442855	32.46	ng	96
18) Hexachloroethane	7.30	117	208485	30.84	ng	95
19) n-Nitroso-di-n-propylamine	7.21	70	409494	28.84	ng	88
20) 3+4-Methylphenols	7.22	107	585588	33.01	ng	# 59
22) Acetophenone	7.20	105	749548	29.85	ng	# 99
24) Nitrobenzene	7.37	77	588453	28.57	ng	91
25) Isophorone	7.62	82	1158791	31.09	ng	95
26) 2-Nitrophenol	7.69	139	271501	31.58	ng	# 74
27) 2,4-Dimethylphenol	7.74	122	530904	34.37	ng	90
28) bis(2-Chloroethoxy)methane	7.82	93	646692	30.76	ng	# 97
29) 2,4-Dichlorophenol	7.94	162	475068	34.03	ng	92
30) 1,2,4-Trichlorobenzene	8.02	180	489117	31.15	ng	# 95
31) Naphthalene	8.10	128	1444065	29.86	ng	98
32) Benzoic acid	7.88	122	320112	30.27	ng	# 85
33) 4-Chloroaniline	8.14	127	234672	11.26	ng	# 88
34) Hexachlorobutadiene	8.21	225	282207	28.72	ng	99
35) Caprolactam	8.52	113	158664m	36.04	ng	
36) 4-Chloro-3-methylphenol	8.65	107	529097	32.22	ng	90
37) 2-Methylnaphthalene	8.78	142	938075	29.99	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.96	216	470148	32.09	ng	98
40) Hexachlorocyclopentadiene	8.94	237	515401	65.49	ng	100

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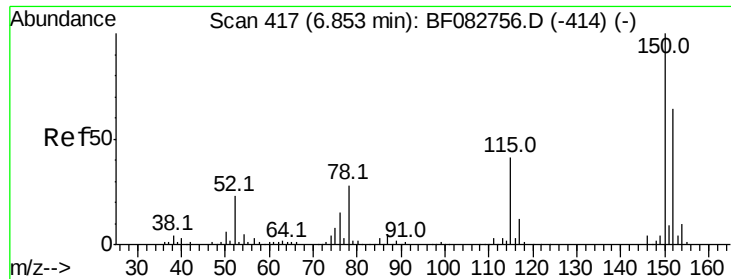
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.07	196	330952	30.26	nq	99
43) 2,4,5-Trichlorophenol	9.12	196	323326	29.90	nq	98
45) 1,1'-Biphenyl	9.25	154	1244563	32.54	nq	97
46) 2-Chloronaphthalene	9.28	162	992812	33.27	nq	99
47) 2-Nitroaniline	9.37	65	320960	29.00	nq	88
48) Acenaphthylene	9.69	152	1435174	30.69	nq	99
49) Dimethylphthalate	9.56	163	1253220	34.31	nq	99
50) 2,6-Dinitrotoluene	9.62	165	283836	36.42	nq	# 74
51) Acenaphthene	9.86	154	1032349	34.83	nq	99
52) 3-Nitroaniline	9.78	138	123743	14.44	nq	# 83
53) 2,4-Dinitrophenol	9.89	184	295956	69.17	nq	# 13
54) Dibenzofuran	10.03	168	1242709	31.10	nq	94
55) 4-Nitrophenol	9.97	139	400905	60.97	nq	# 72
56) 2,4-Dinitrotoluene	10.02	165	353019	33.39	nq	96
57) Fluorene	10.37	166	987723	30.52	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.16	232	295889	33.52	nq	# 91
59) Diethylphthalate	10.26	149	1202287	33.71	nq	100
60) 4-Chlorophenyl-phenylether	10.37	204	541271	33.43	nq	95
61) 4-Nitroaniline	10.40	138	227064	26.34	nq	# 82
62) Azobenzene	10.52	77	1381595	36.07	nq	89
64) 4,6-Dinitro-2-methylphenol	10.43	198	202253	32.39	nq	88
65) n-Nitrosodiphenylamine	10.49	169	903369	28.53	nq	99
66) 4-Bromophenyl-phenylether	10.85	248	314305	29.78	nq	# 74
67) Hexachlorobenzene	10.92	284	340935	28.93	nq	# 82
68) Atrazine	11.02	200	358101	36.58	nq	95
69) Pentachlorophenol	11.13	266	381761	53.35	nq	99
70) Phenanthrene	11.33	178	1630107	32.03	nq	99
71) Anthracene	11.38	178	1588360	29.63	nq	99
72) Carbazole	11.54	167	1346793	28.70	nq	99
73) Di-n-butylphthalate	11.88	149	1957944	33.49	nq	# 97
74) Fluoranthene	12.51	202	1655734	30.32	nq	97
76) Benzidine	12.64	184	532771	25.00	nq	99
77) Pyrene	12.74	202	1639338	37.53	nq	98
79) Butylbenzylphthalate	13.37	149	755260	39.14	nq	98
80) Benzo(a)anthracene	13.93	228	1424860	35.83	nq	99
81) 3,3'-Dichlorobenzidine	13.89	252	304660	21.55	nq	99
82) Chrysene	13.97	228	1414979	38.84	nq	100
83) Bis(2-ethylhexyl)phthalate	13.94	149	1071531	40.57	nq	# 99
84) Di-n-octyl phthalate	14.55	149	1694920	38.47	nq	100
85) Indeno(1,2,3-cd)pyrene	16.69	276	1109489	35.37	nq	96
87) Benzo(b)fluoranthene	14.95	252	1468259m	37.91	nq	
88) Benzo(k)fluoranthene	14.98	252	924225m	26.90	nq	
89) Benzo(a)pyrene	15.29	252	1104855	32.93	nq	# 97
90) Dibenzo(a,h)anthracene	16.72	278	933806	32.87	nq	99
91) Benzo(g,h,i)perylene	17.11	276	899253	33.04	nq	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF082962.D

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Instrument :

BNA_F

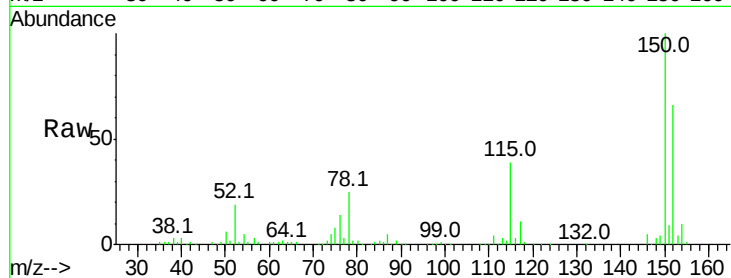
ClientSampleId :

PB86680BSD

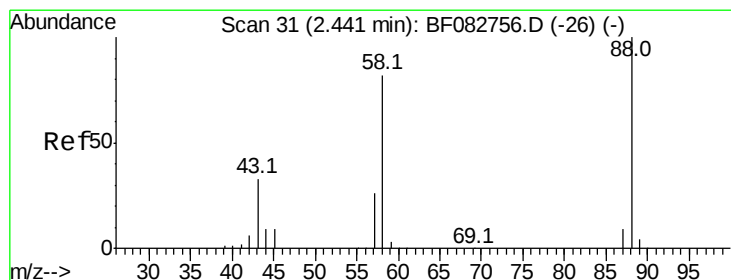
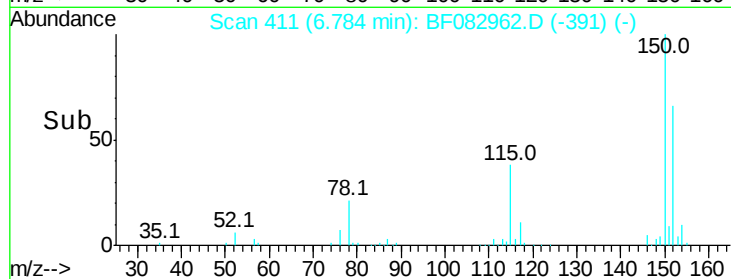
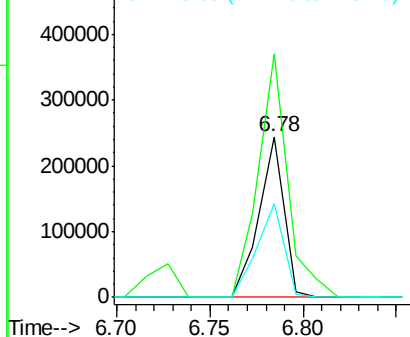
Tot Ion:	152	Resp:	226091
Ion Ratio	Lower	Upper	
152	100		
150	151.4	127.0	190.4
115	58.4	47.0	70.6

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



#2

1,4-Dioxane

Concen: 29.42 ng

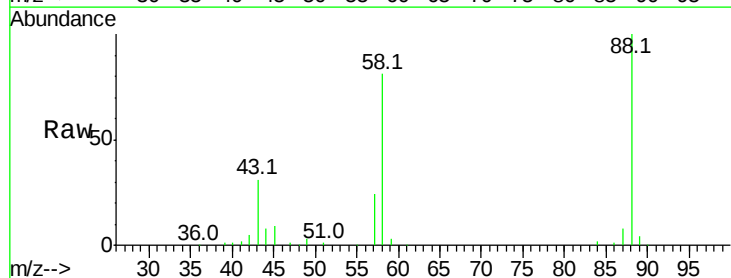
RT: 2.42 min Scan# 29

Delta R.T. -0.02 min

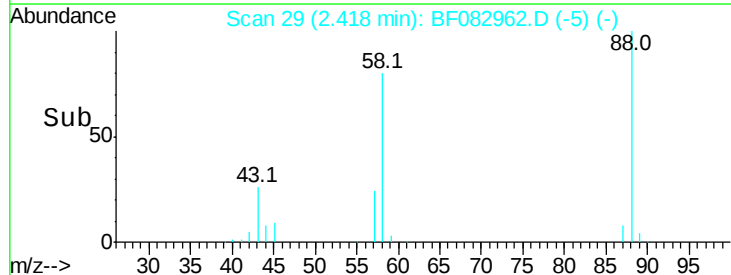
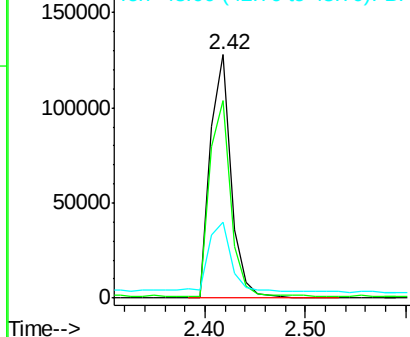
Lab File: BF082962.D

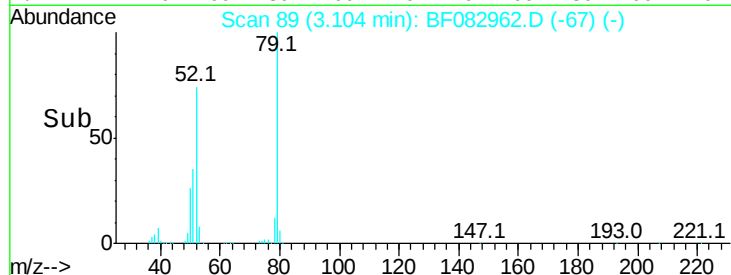
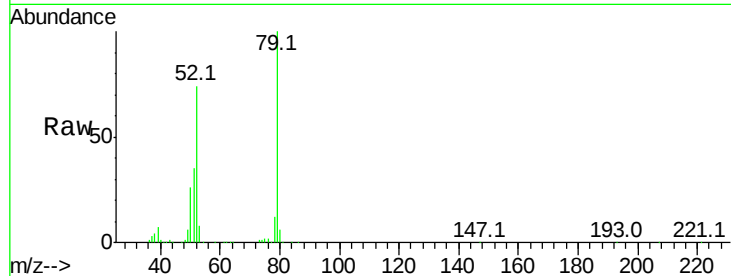
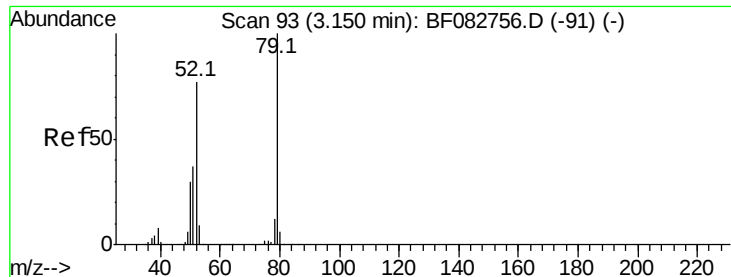
Acq: 17 Nov 2015 2:46

Tgt Ion:	88	Resp:	184431
Ion Ratio	Lower	Upper	
88	100		
58	80.5	62.0	93.0
43	30.7	26.6	40.0



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





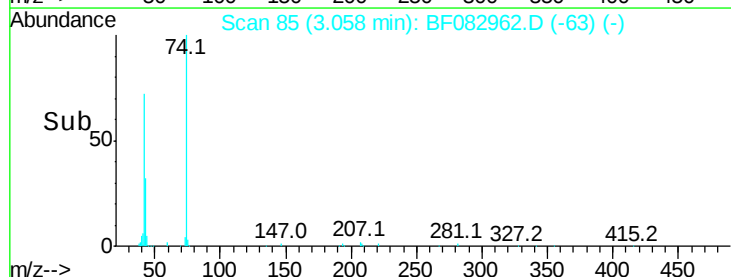
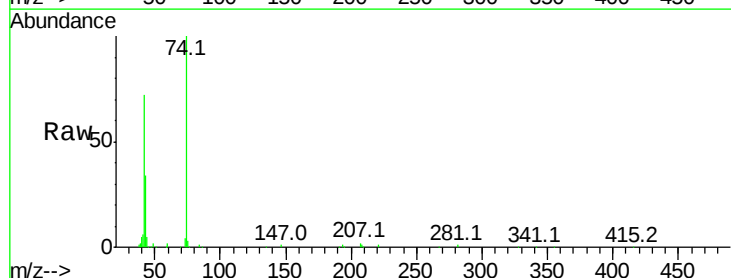
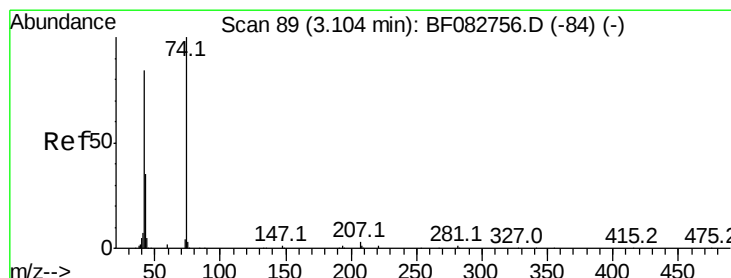
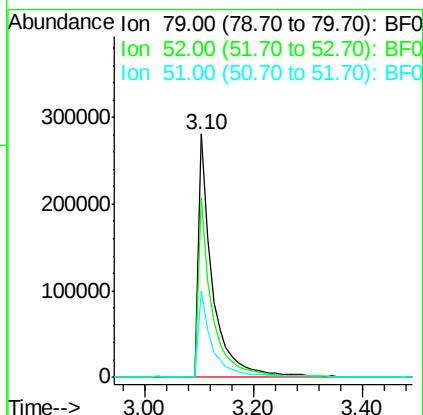
#3
 Pvridine
 Concen: 27.35 ng
 RT: 3.10 min Scan# 89
 Delta R.T. -0.05 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tot Ion	Ratio	Lower	Upper
79	100		
52	74.0	62.8	94.2
51	35.2	32.0	48.0

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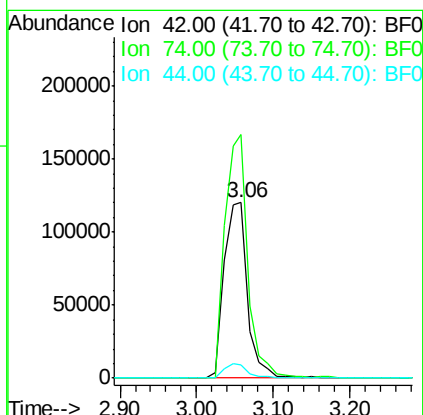
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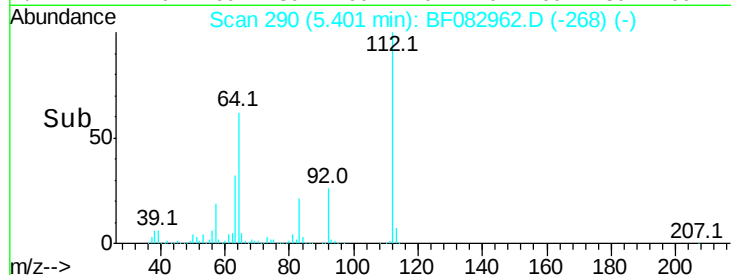
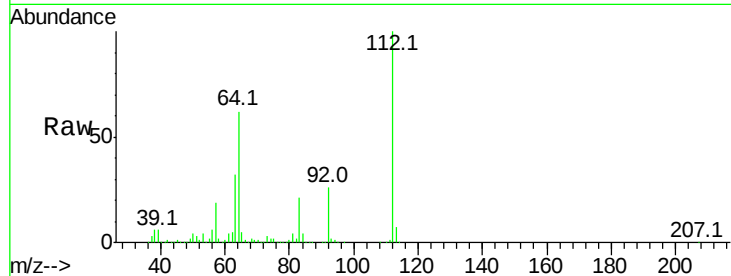
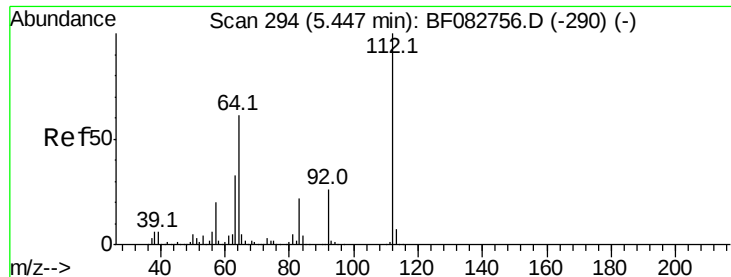
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#4
 n-Nitrosodimethylamine
 Concen: 28.80 ng
 RT: 3.06 min Scan# 85
 Delta R.T. -0.05 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.6	87.0	130.4#
44	7.5	5.8	8.8





#5

2-Fluorophenol

Concen: 69.01 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Tot Ion:	112	Resp:	1002787
Ion Ratio	Lower	Upper	
112	100		
64	61.6	48.9	73.3
63	31.8	28.1	42.1

Instrument :

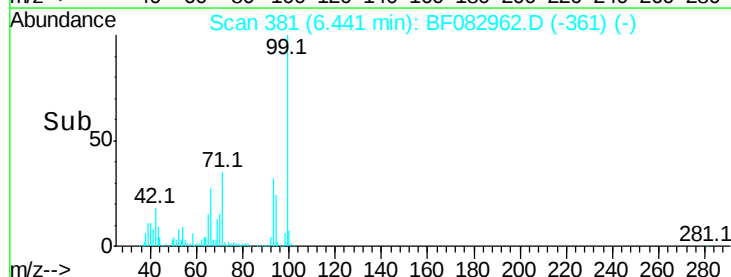
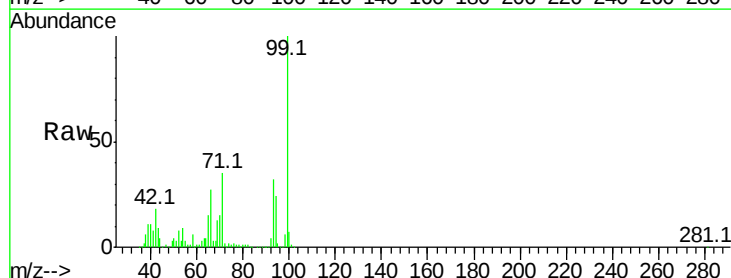
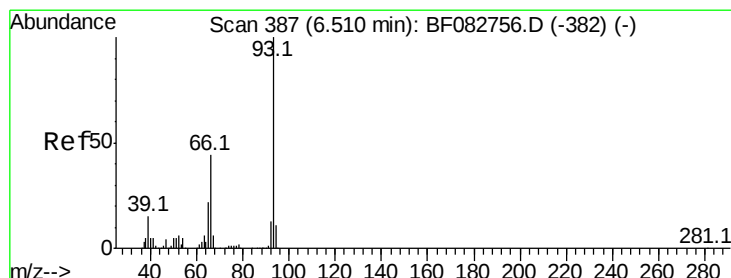
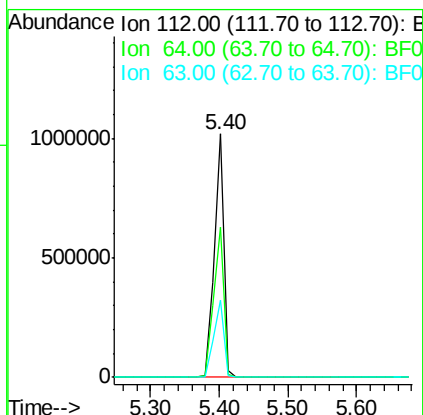
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#6

Aniline

Concen: 15.13 ng

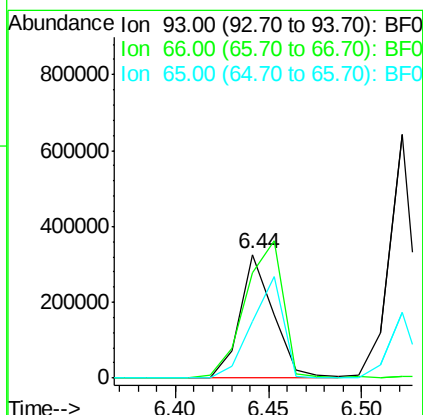
RT: 6.44 min Scan# 381

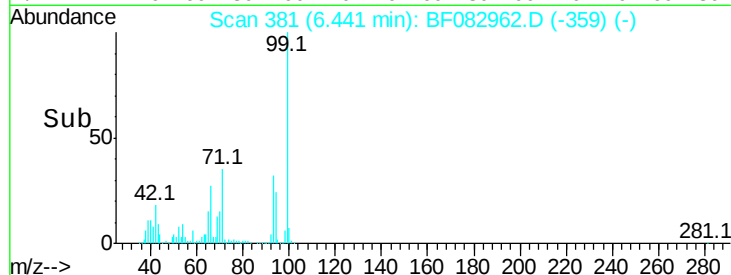
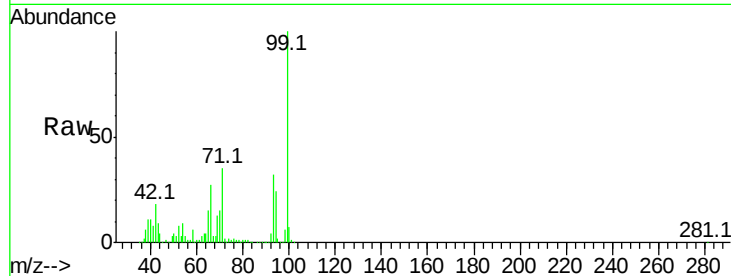
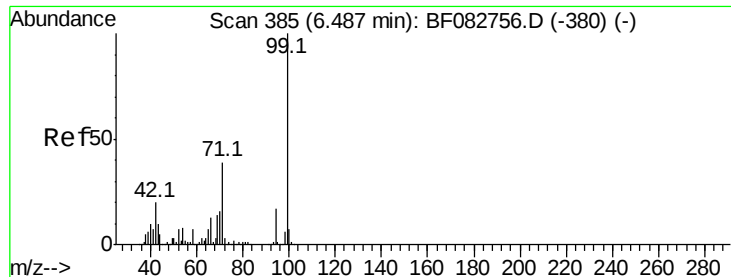
Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Tgt Ion:	93	Resp:	410281
Ion Ratio	Lower	Upper	
93	100		
66	84.7	33.6	50.4#
65	46.1	18.1	27.1#





#7

Phenol-d6

Concen: 67.93 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Tot Ion: 99 Resp: 1312181

Ion Ratio Lower Upper

99 100

42 17.9 19.2 28.8#

71 35.0 35.0 52.4

Instrument :

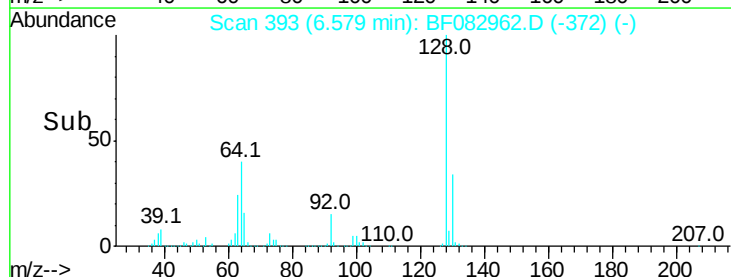
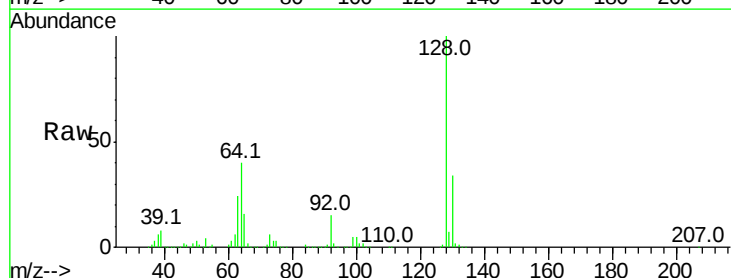
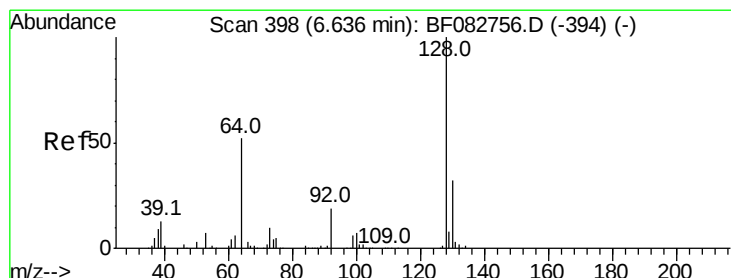
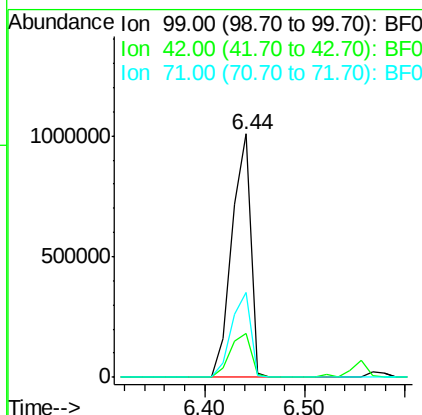
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#8

2-Chlorophenol

Concen: 31.99 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

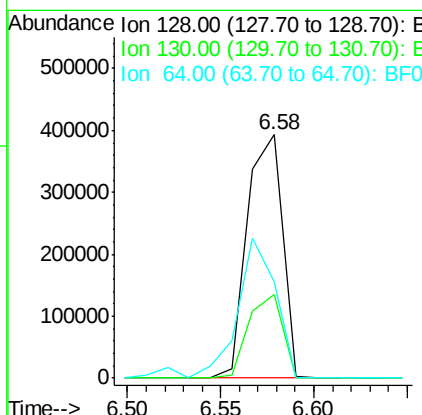
Tgt Ion:128 Resp: 515317

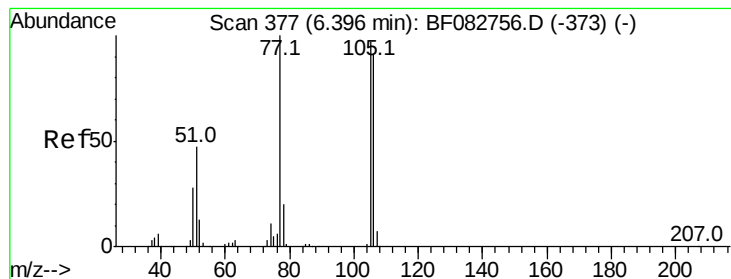
Ion Ratio Lower Upper

128 100

130 34.5 13.5 53.5

64 39.5 21.1 61.1





#9

Benzaldehyde

Concen: 2.69 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.08 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

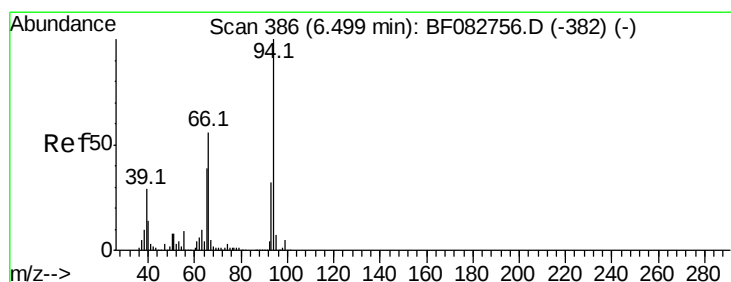
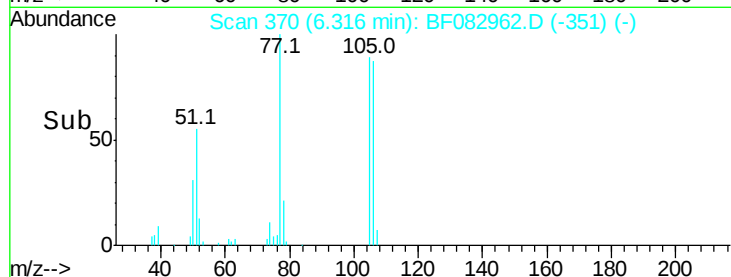
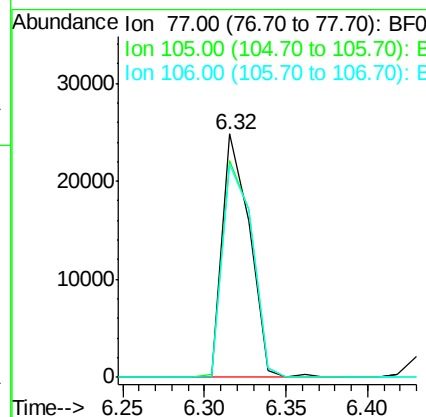
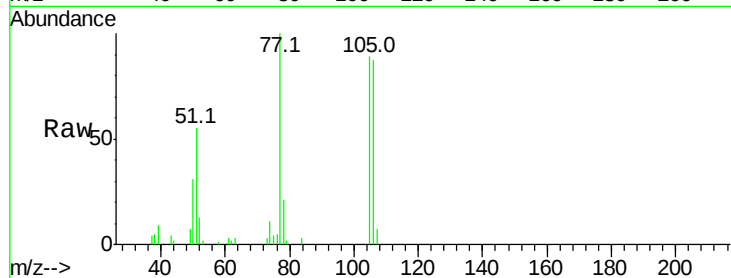
ClientSampleId :

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Tot Ion:	77	Resp:	28686
Ion Ratio	Lower	Upper	
77	100		
105	89.0	63.5	103.5
106	87.3	59.3	99.3



#10

Phenol

Concen: 35.04 ng

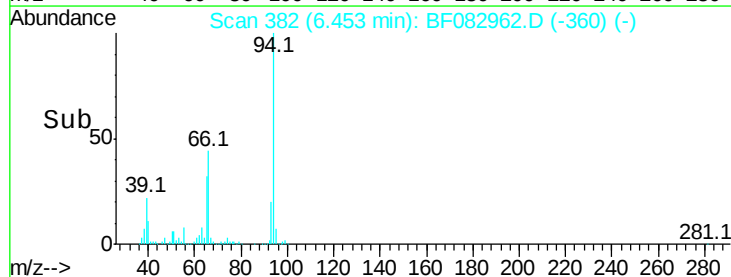
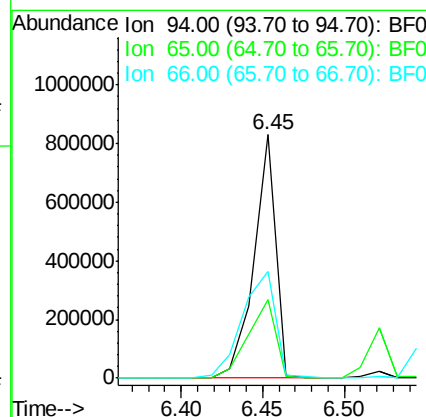
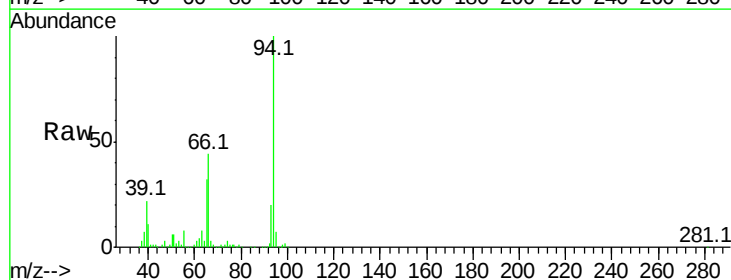
RT: 6.45 min Scan# 382

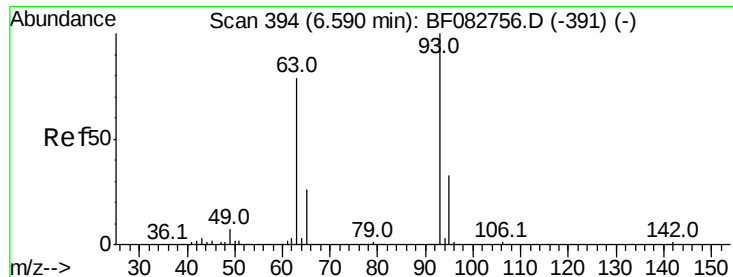
Delta R.T. -0.05 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Tgt Ion:	94	Resp:	768142
Ion Ratio	Lower	Upper	
94	100		
65	32.1	18.9	58.9
66	43.6	34.9	74.9





#11

bis(2-Chloroethyl)ether

Concen: 32.92 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion: 93 Resp: 539578

Ion Ratio Lower Upper

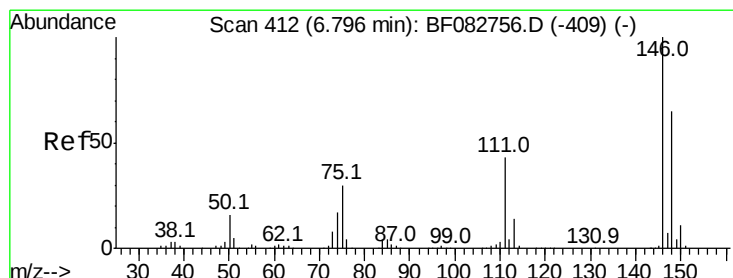
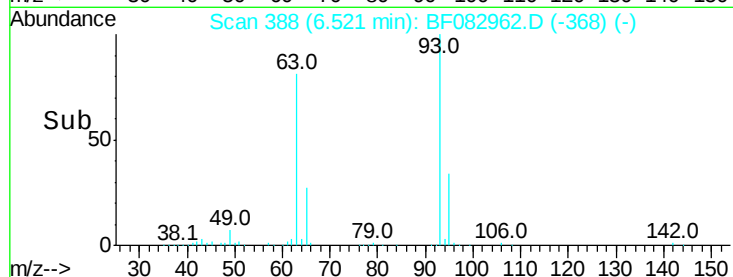
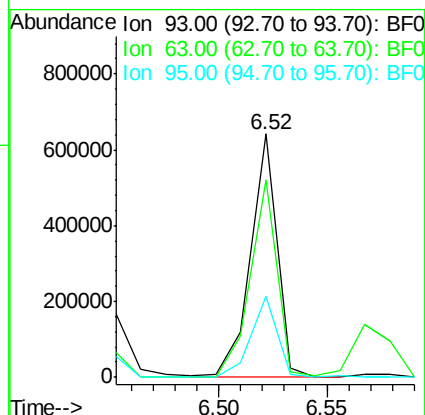
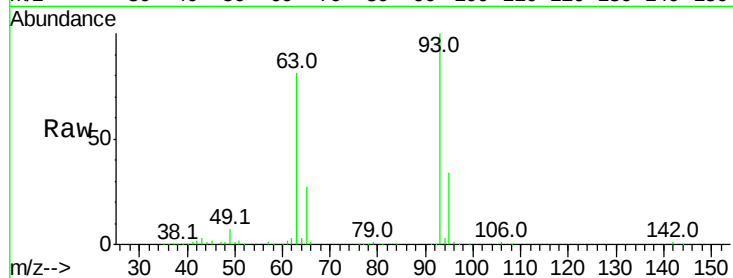
93 100

63 81.3 72.7 112.7

95 33.5 12.0 52.0

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 30.23 ng m

RT: 6.73 min Scan# 406

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

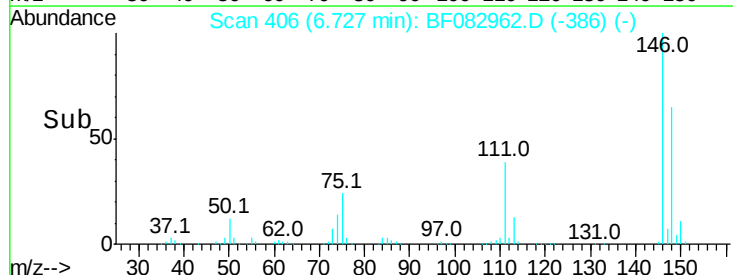
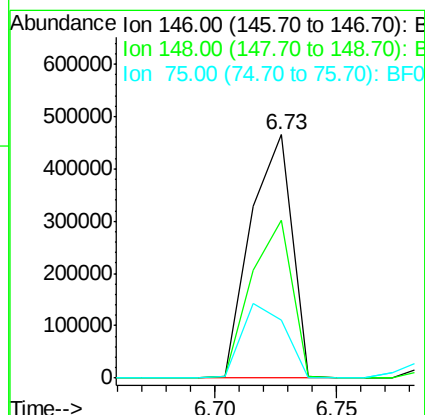
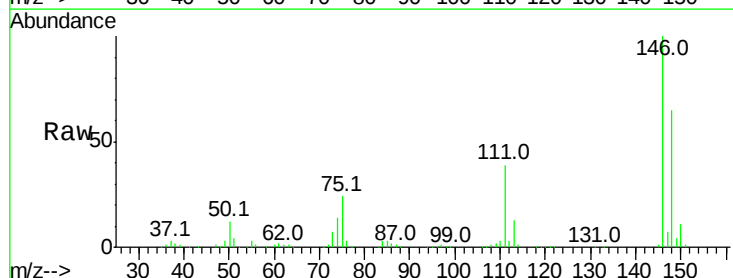
Tgt Ion: 146 Resp: 549250

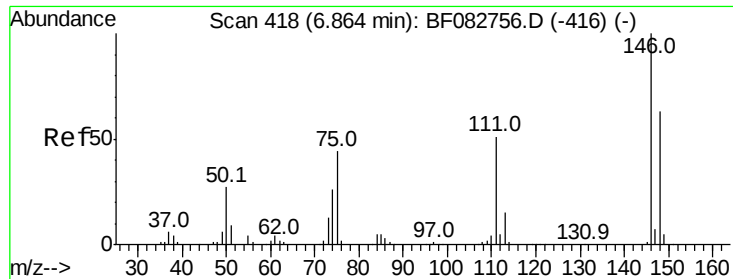
Ion Ratio Lower Upper

146 100

148 65.0 50.5 75.7

75 23.7 39.5 59.3#





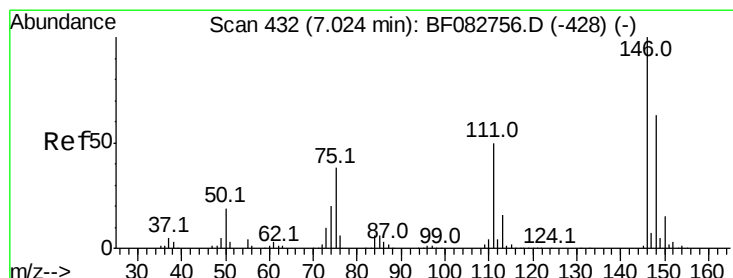
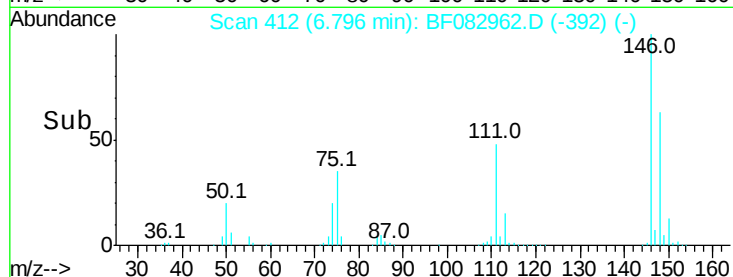
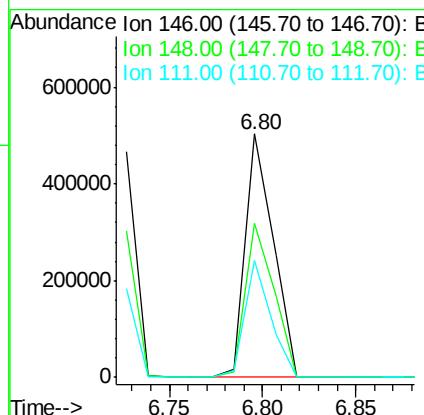
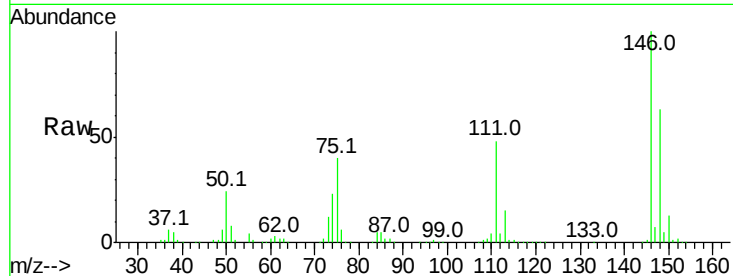
#13
1,4-Dichlorobenzene
Concen: 28.08 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.8	76.2
111	47.9	40.6	60.8

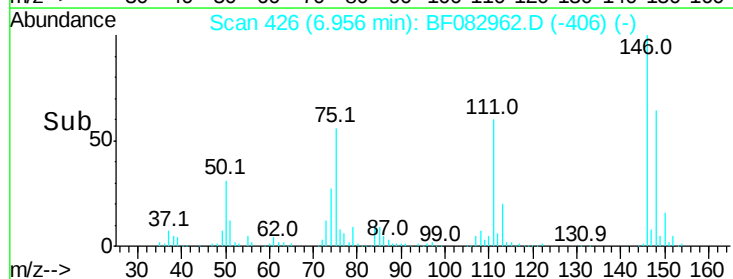
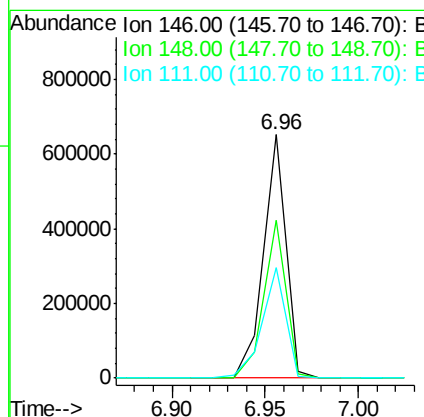
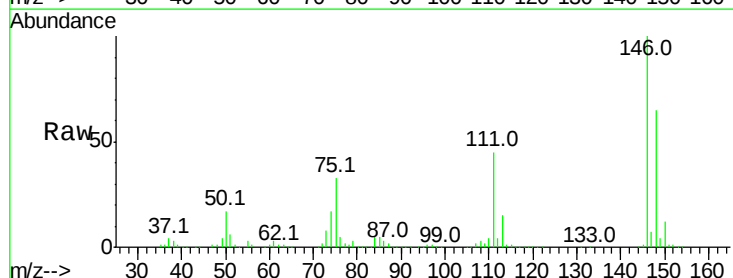
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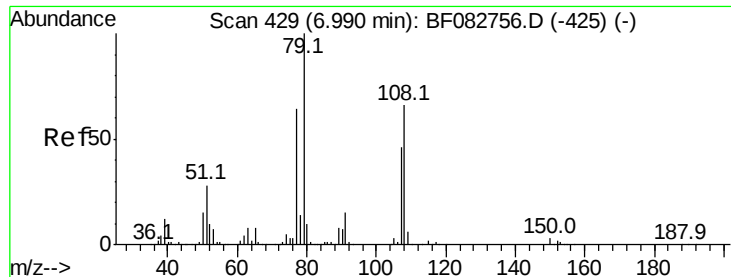
mmdadoda
11/17/2015 5:56:16 PM



#14
1,2-Dichlorobenzene
Concen: 31.35 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.2	78.4
111	45.4	36.6	55.0





#15

Benzyl Alcohol

Concen: 26.87 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleID :

PB86680BSD

Tot Ion: 79 Resp: 455829

Ion Ratio Lower Upper

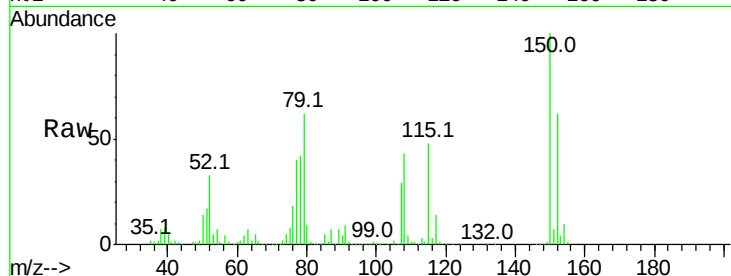
79 100

108 69.1 52.2 78.4

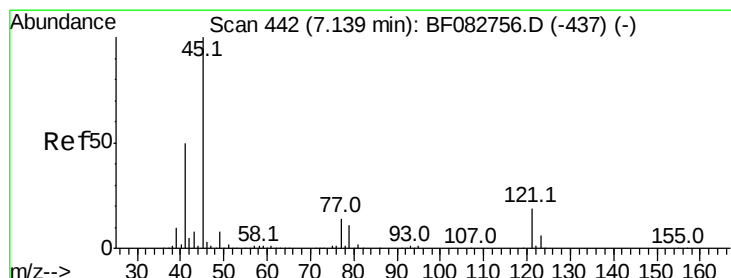
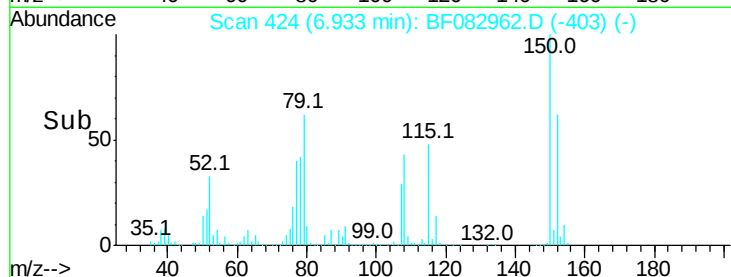
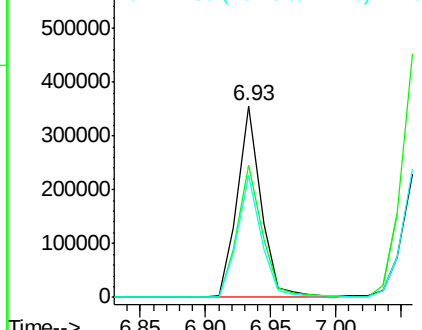
77 64.0 52.7 79.1

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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.25 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

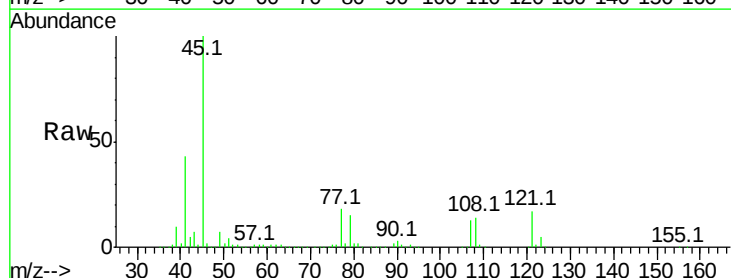
Tgt Ion: 45 Resp: 799444

Ion Ratio Lower Upper

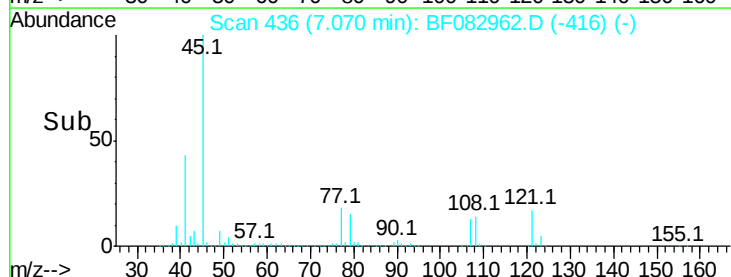
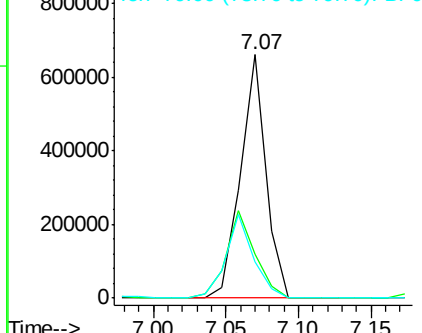
45 100

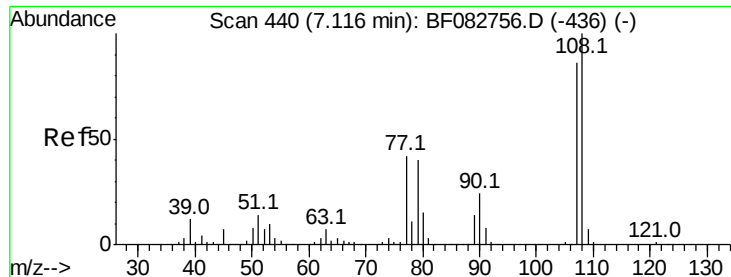
77 18.1 0.0 32.6

79 15.0 0.0 29.2



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





#17

2-Methylphenol

Concen: 32.46 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion:107 Resp: 442855

Ion Ratio Lower Upper

107 100

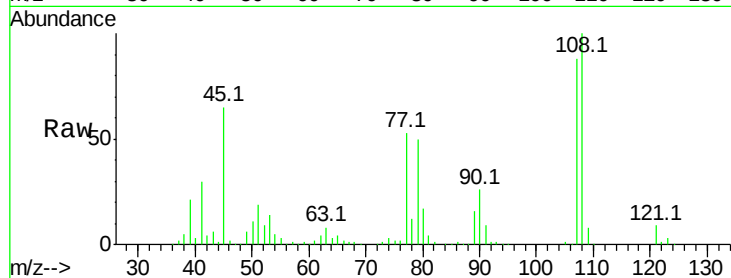
108 114.2 93.0 139.4

77 60.4 44.1 66.1

79 57.6 43.6 65.4

Manual Integrations
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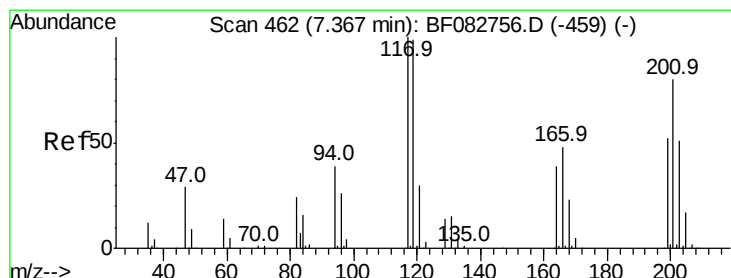
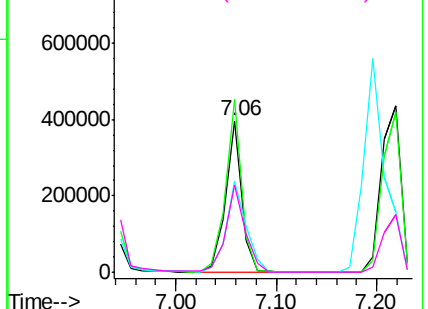
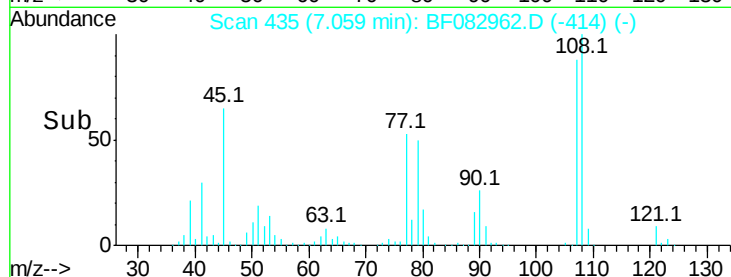
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 30.84 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

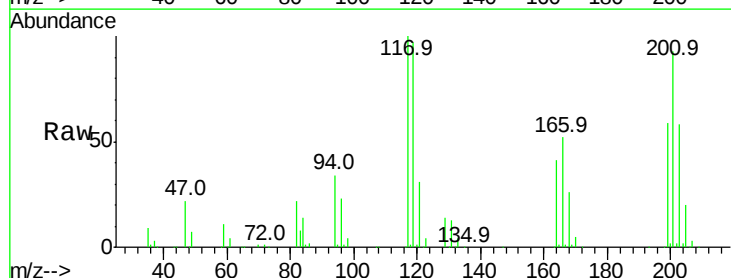
Tgt Ion:117 Resp: 208485

Ion Ratio Lower Upper

117 100

119 96.9 77.7 116.5

201 93.4 66.7 100.1

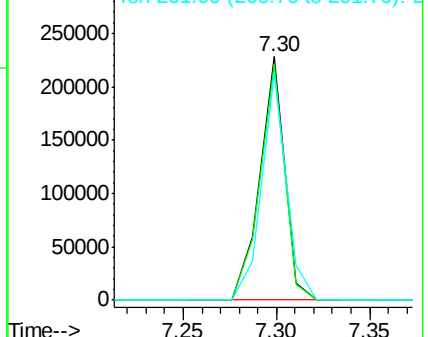
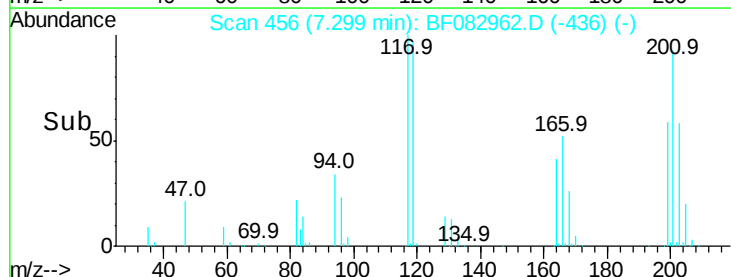


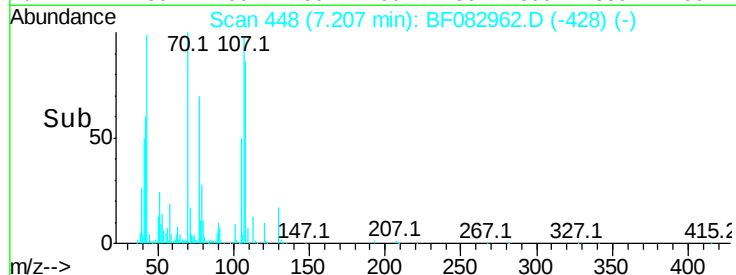
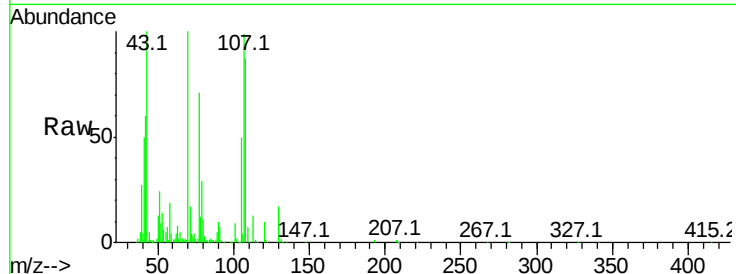
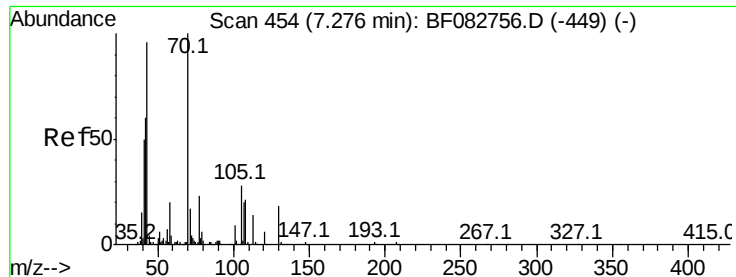
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





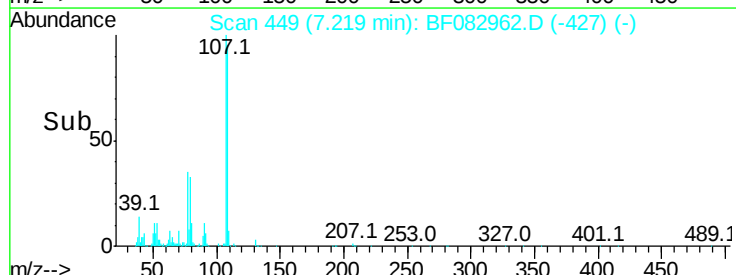
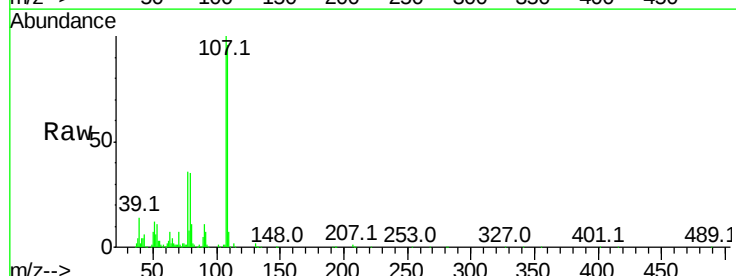
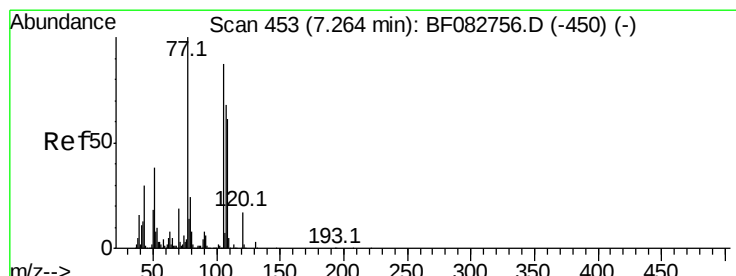
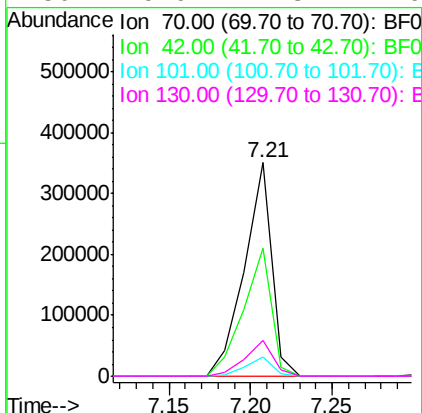
#19
n-Nitroso-di-n-propylamine
Concen: 28.84 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

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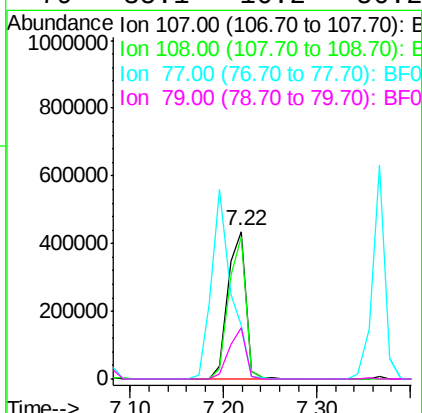
mmdadoda
11/17/2015 5:56:16 PM

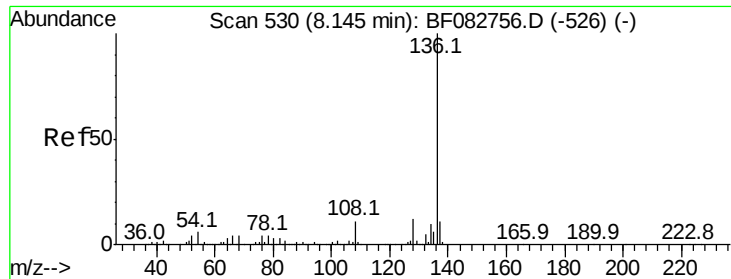
Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	59.9	57.7	86.5		
101	8.9	7.0	10.6		
130	16.9	11.8	17.6		



#20
3+4-Methylphenols
Concen: 33.01 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.05 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	96.0	67.3	107.3		
77	36.4	100.3	140.3		
79	35.1	16.2	56.2		





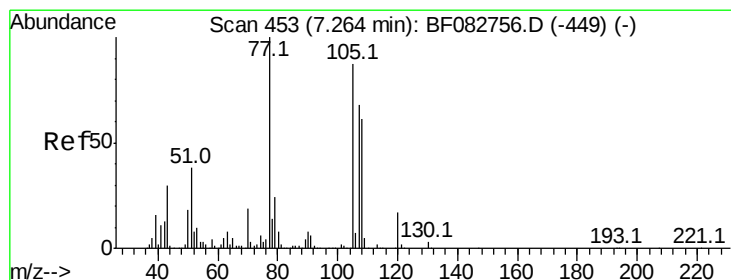
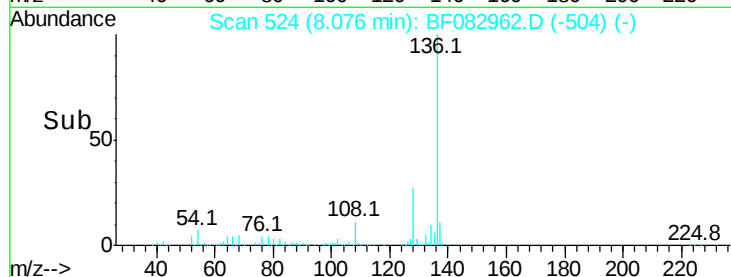
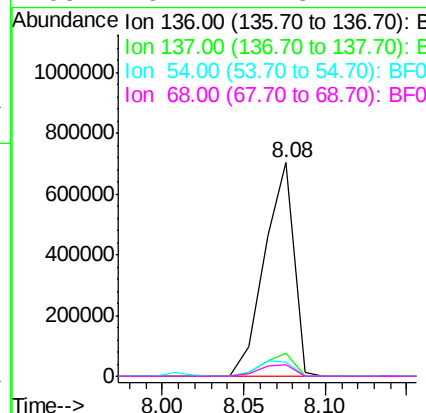
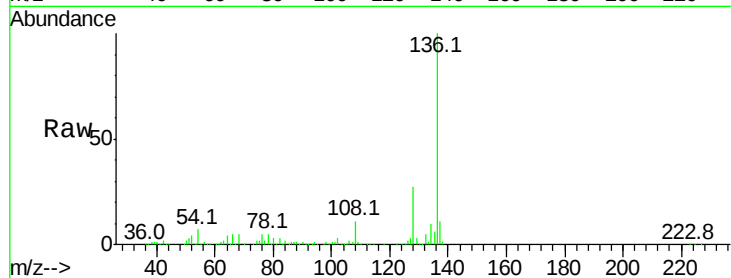
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.9	9.1	13.7		
54	6.9	9.1	13.7#		
68	5.1	4.8	7.2		

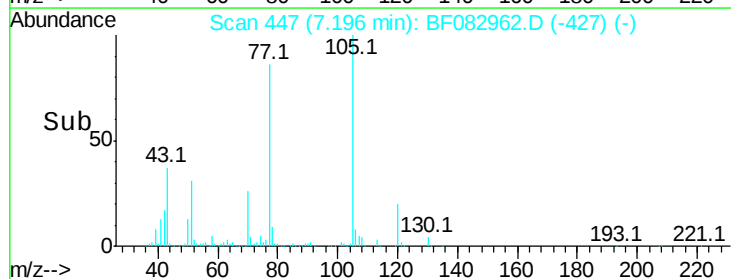
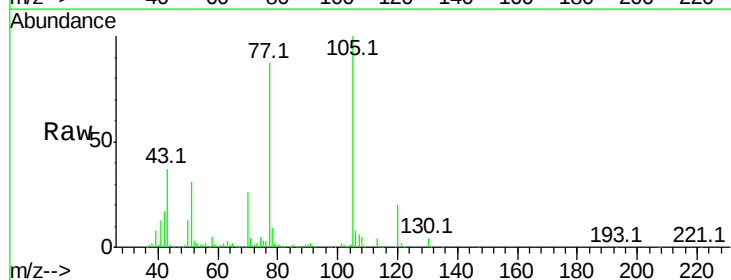
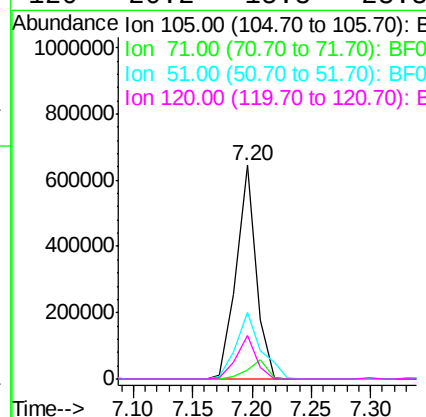
Manual Integrations
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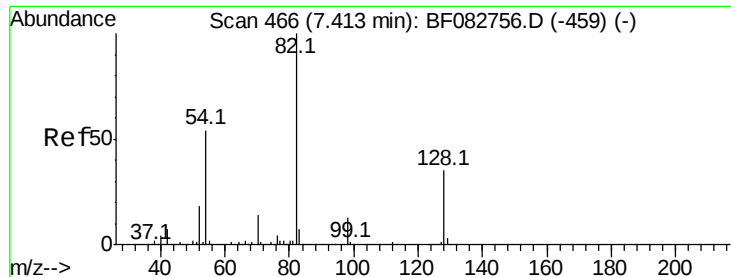
mmdadoda
11/17/2015 5:56:16 PM



#22
Acetophenone
Concen: 29.85 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	4.4	5.6	8.4#		
51	31.0	24.9	37.3		
120	20.2	15.8	23.8		





#23

Nitrobenzene-d5

Concen: 65.67 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion: 82 Resp: 1322737

Ion Ratio Lower Upper

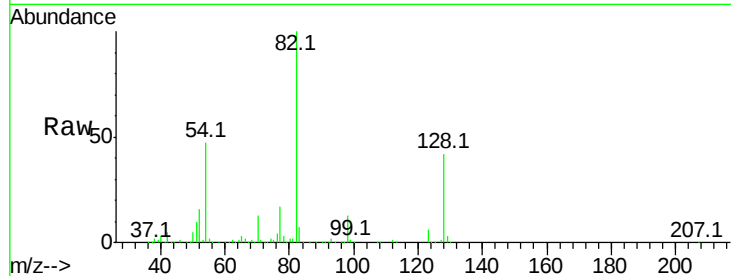
82 100

128 42.2 26.8 40.2#

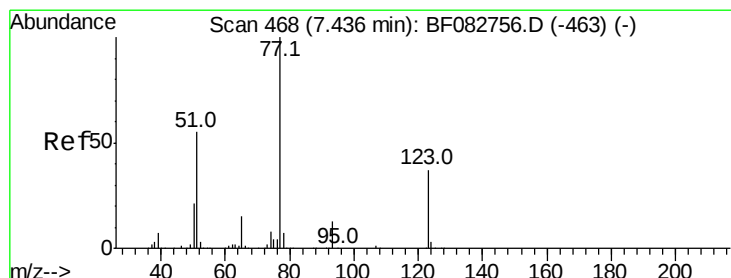
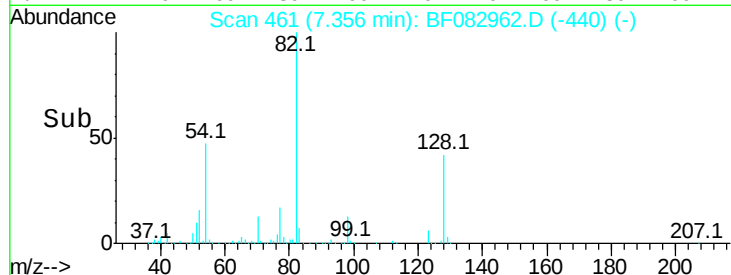
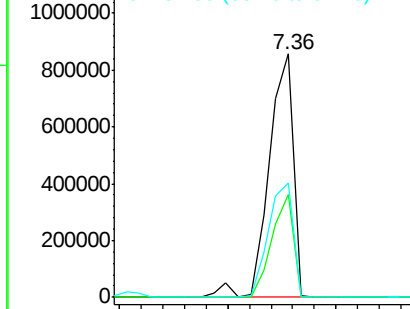
54 46.9 45.7 68.5

Manual Integrations
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mmdadoda
11/17/2015 5:56:16 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 28.57 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

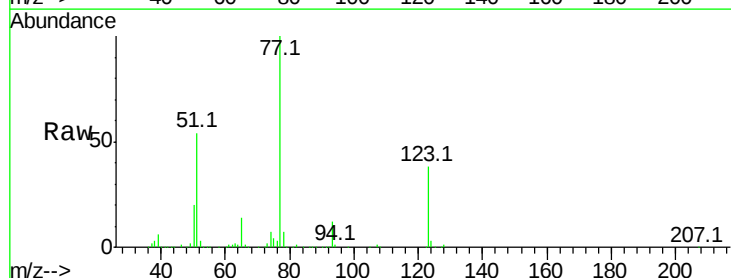
Tgt Ion: 77 Resp: 588453

Ion Ratio Lower Upper

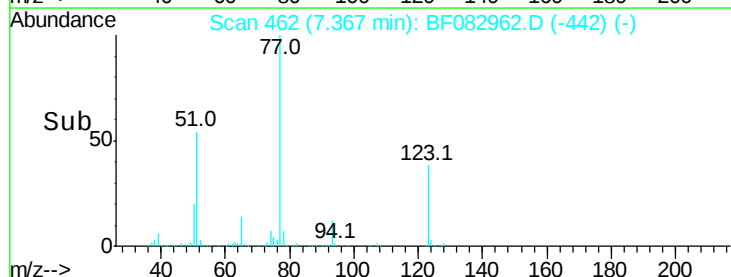
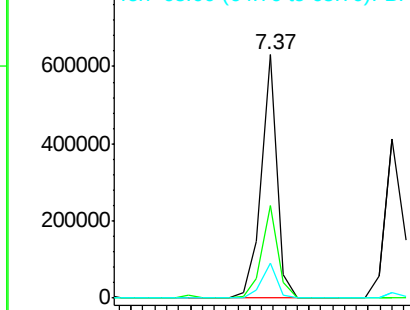
77 100

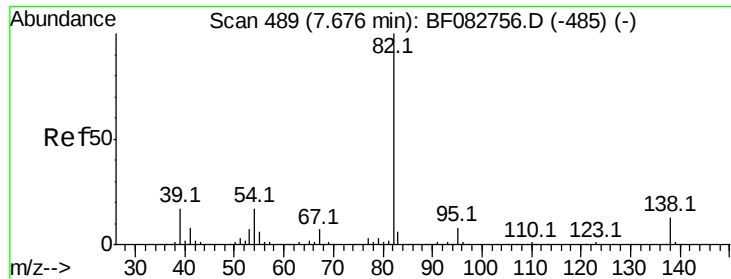
123 37.9 36.4 54.6

65 14.2 11.5 17.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 31.09 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion: 82 Resp: 1158791

Ion Ratio Lower Upper

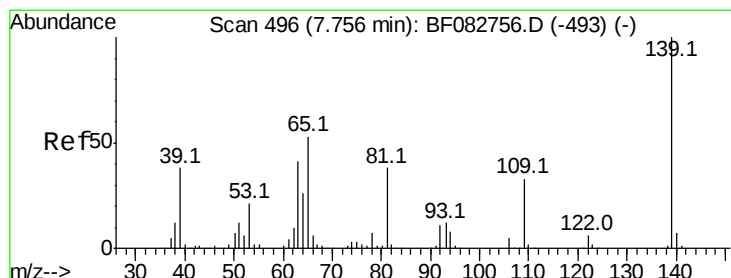
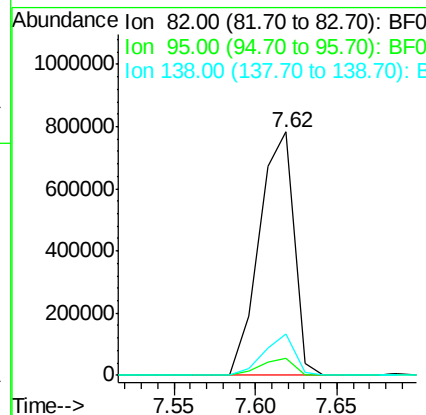
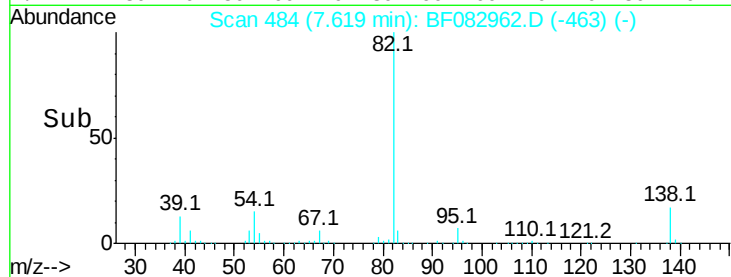
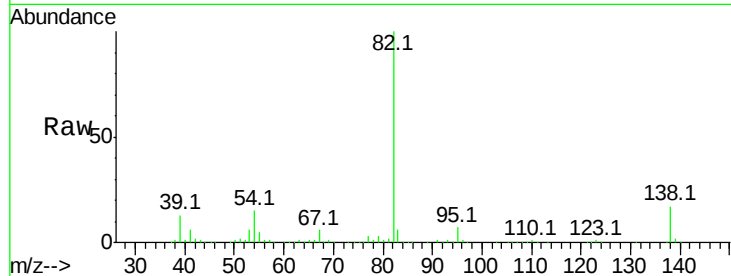
82 100

95 7.3 6.6 9.8

138 16.8 11.4 17.0

Manual Integrations
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#26

2-Nitrophenol

Concen: 31.58 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

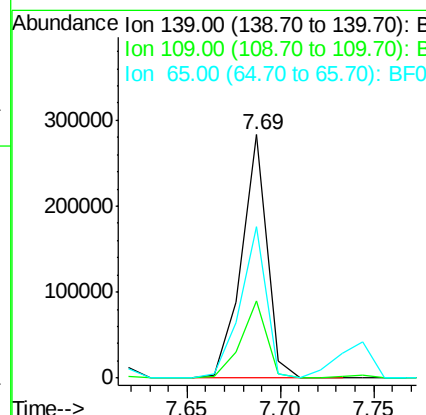
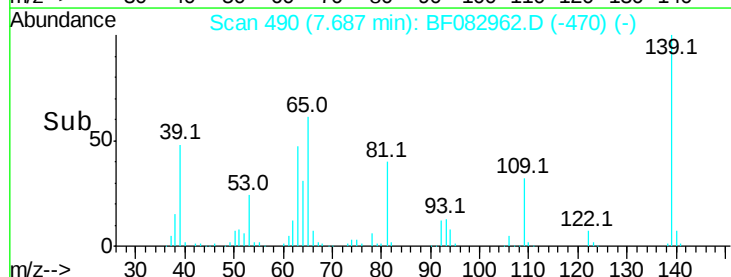
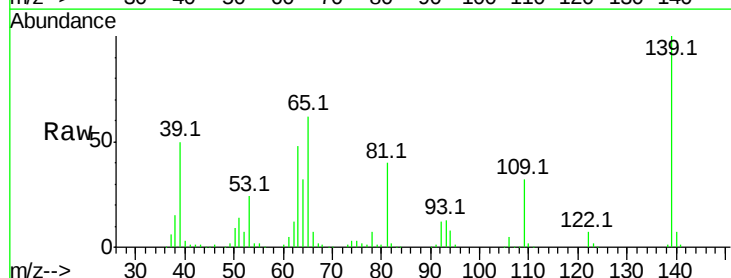
Tgt Ion: 139 Resp: 271501

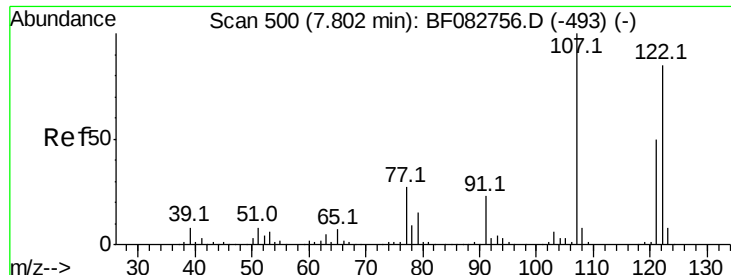
Ion Ratio Lower Upper

139 100

109 31.8 37.6 56.4#

65 62.2 70.6 105.8#





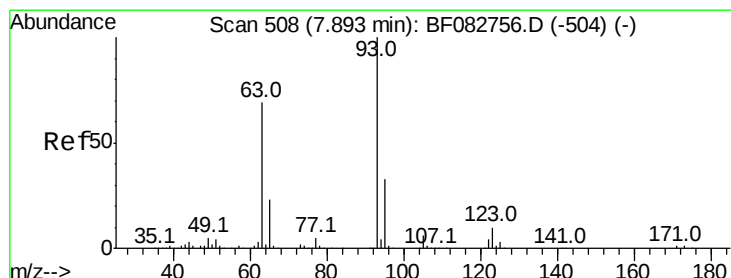
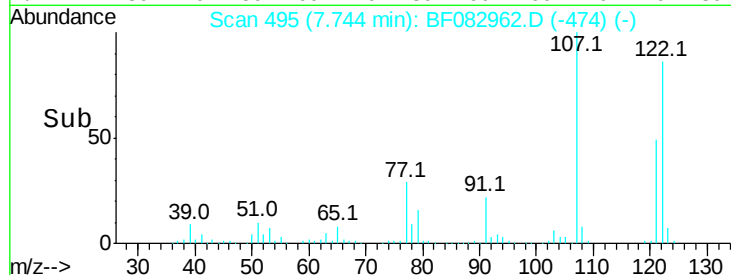
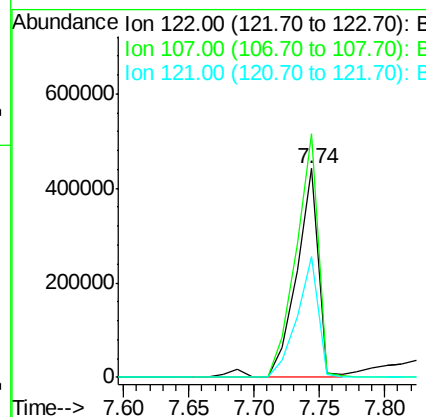
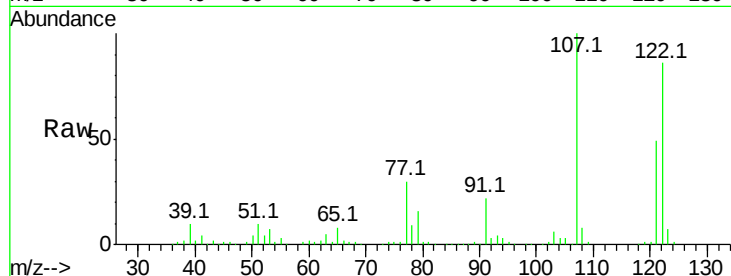
#27
 2,4-Dimethylphenol
 Concen: 34.37 ng
 RT: 7.74 min Scan# 495
 Delta R.T. -0.06 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.7	106.0	159.0
121	57.7	46.7	70.1

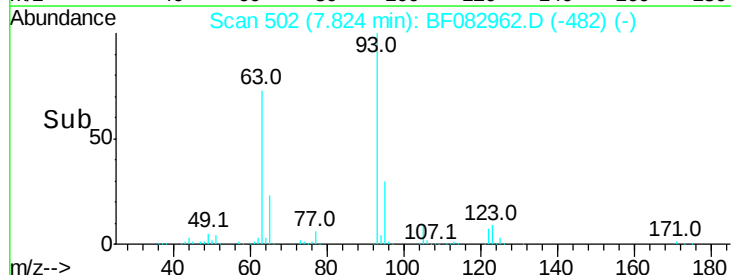
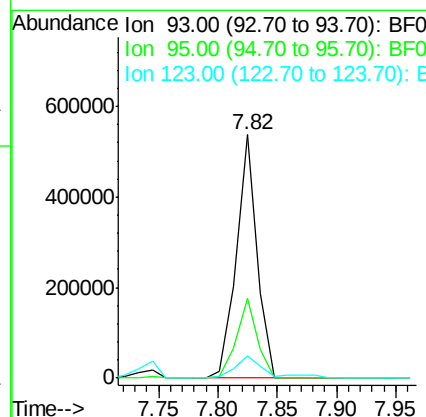
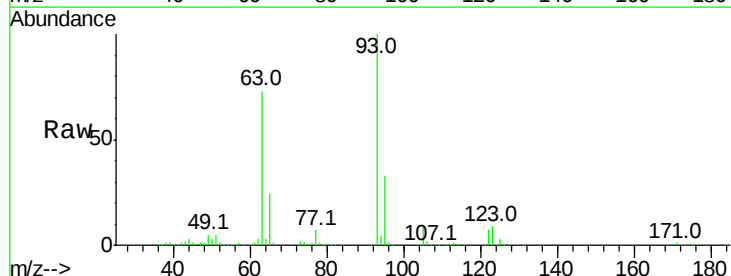
Manual Integrations
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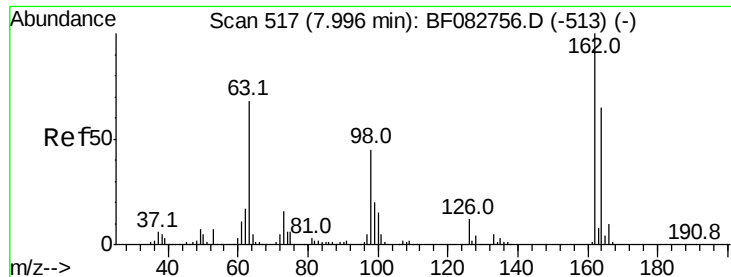
mmdadoda
 11/17/2015 5:56:16 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 30.76 ng
 RT: 7.82 min Scan# 502
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	9.3	9.7	14.5#





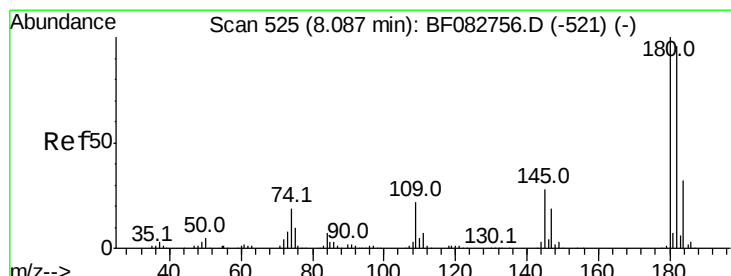
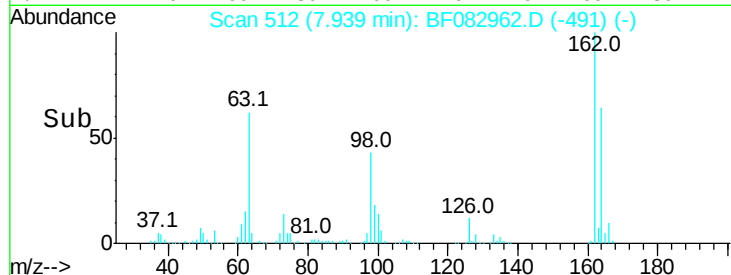
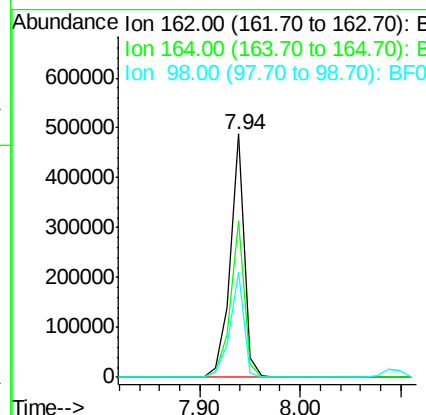
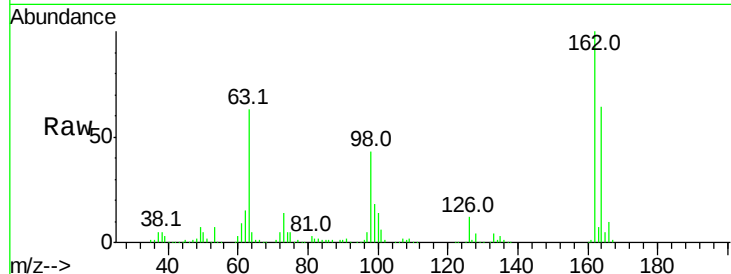
#29
 2,4-Dichlorophenol
 Concen: 34.03 ng
 RT: 7.94 min Scan# 512
 Delta R.T. -0.06 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Manual Integrations
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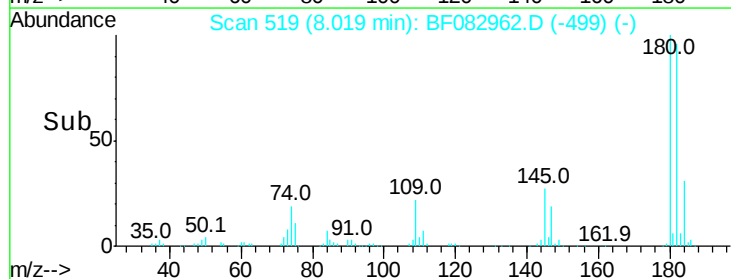
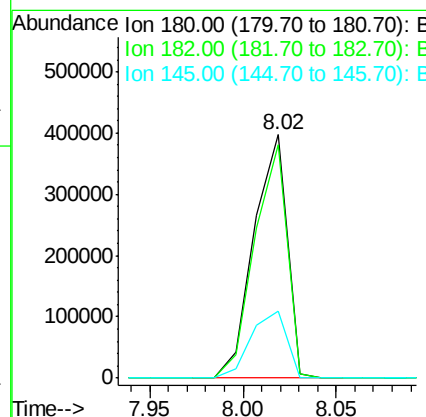
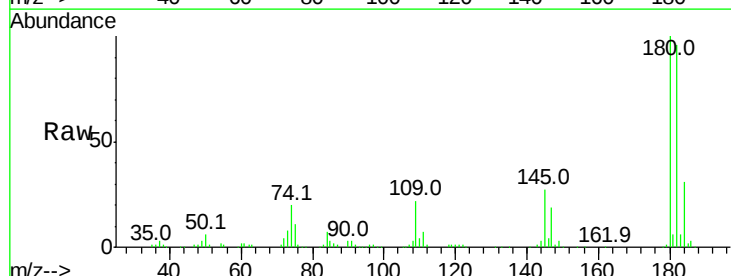
mmdadoda
 11/17/2015 5:56:16 PM

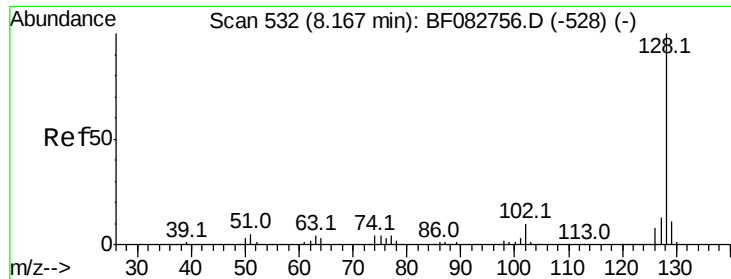
Tot Ion:	162	Resp:	475068
Ion Ratio	Lower	Upper	
162	100		
164	64.4	46.8	86.8
98	43.0	12.5	52.5



#30
 1,2,4-Trichlorobenzene
 Concen: 31.15 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion:	180	Resp:	489117
Ion Ratio	Lower	Upper	
180	100		
182	95.7	74.9	112.3
145	27.4	27.8	41.8#





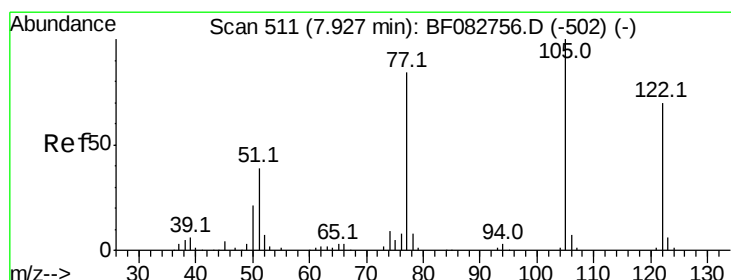
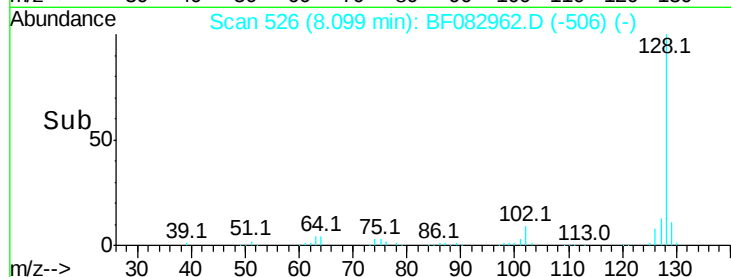
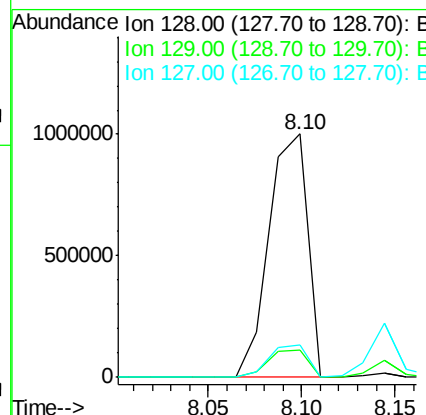
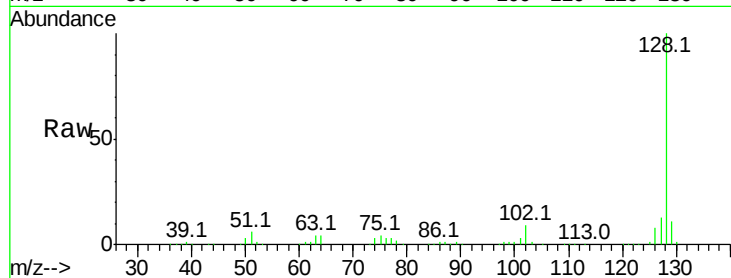
#31
Naphthalene
Concen: 29.86 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion:128 Resp: 1444065
Ion Ratio Lower Upper
128 100
129 11.0 9.5 14.3
127 13.2 11.4 17.0

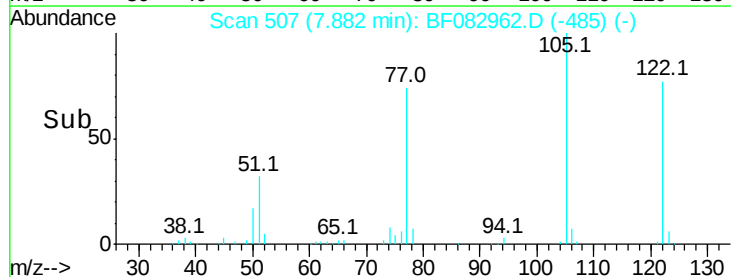
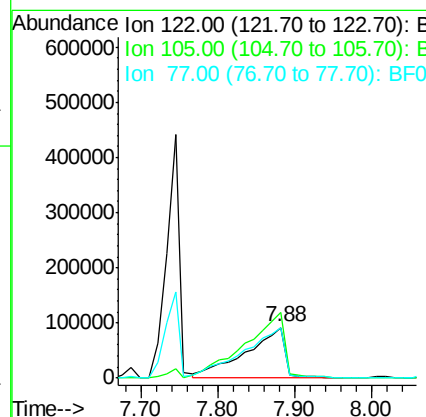
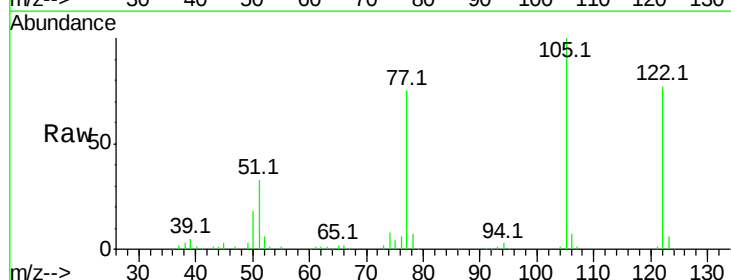
Manual Integrations
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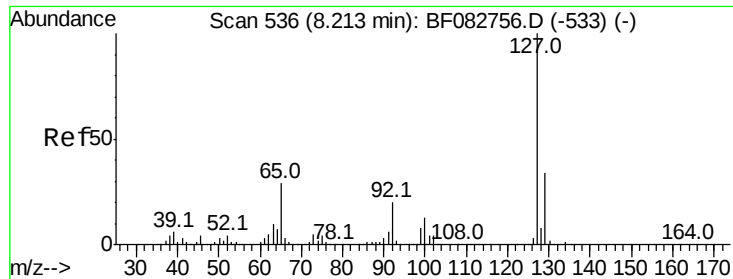
mmdadoda
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#32
Benzoic acid
Concen: 30.27 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion:122 Resp: 320112
Ion Ratio Lower Upper
122 100
105 130.1 122.6 162.6
77 98.2 100.9 140.9#





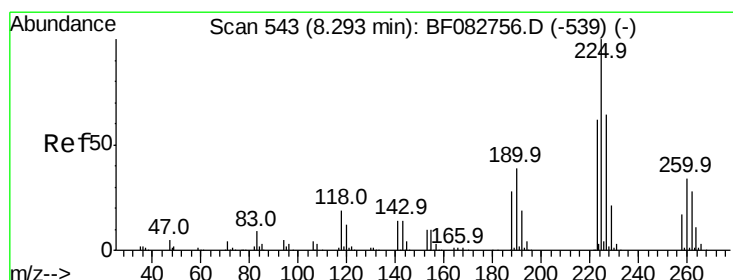
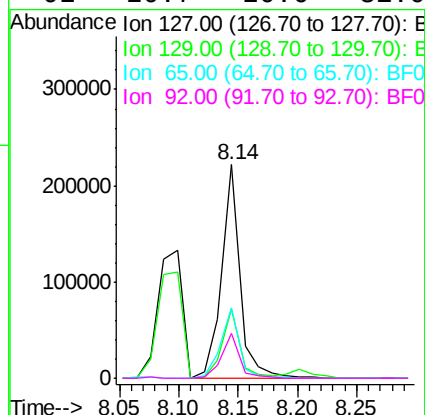
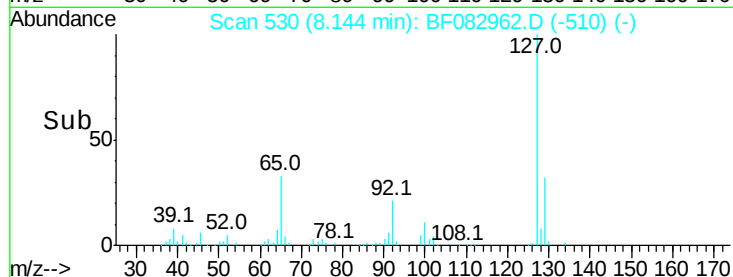
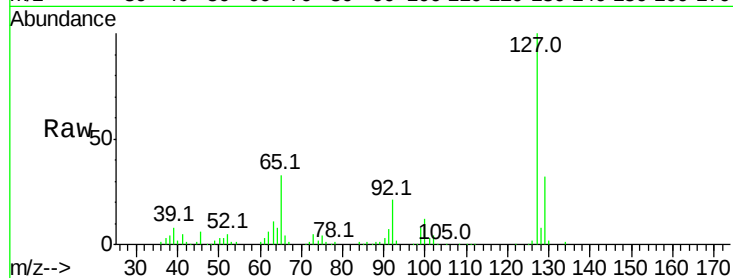
#33
4-Chloroaniline
Concen: 11.26 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.3	39.5		
65	33.3	37.8	56.8		
92	20.7	20.6	31.0		

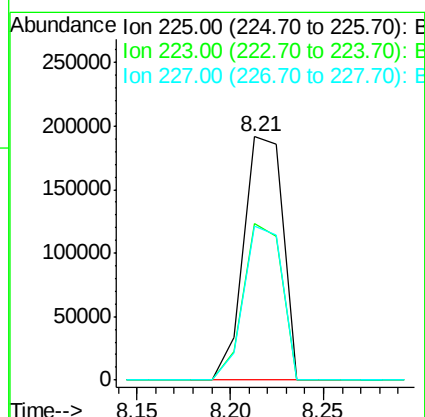
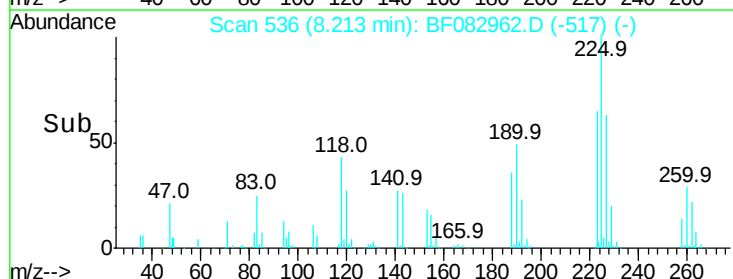
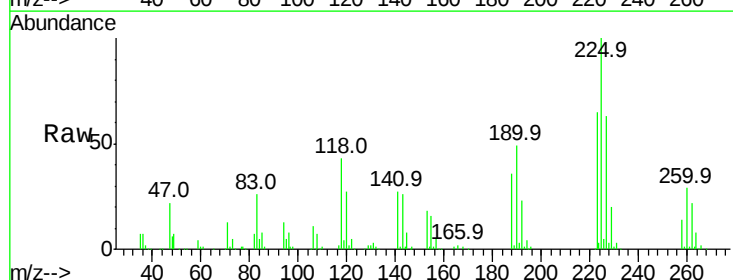
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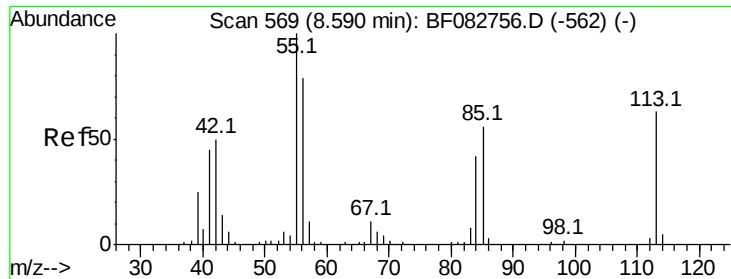
mmdadoda
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#34
Hexachlorobutadiene
Concen: 28.72 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.08 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.5	50.5	75.7		
227	63.1	50.2	75.2		





#35

Caprolactam

Concen: 36.04 ng/mL

RT: 8.52 min Scan# 563

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

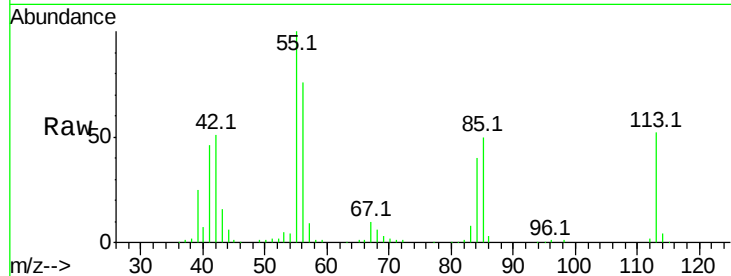
ClientSampleID :

PB86680BSD

Tot Ion:	113	Resp:	158664
Ion Ratio	Lower	Upper	
113	100		
55	192.3	195.5	235.5#
56	146.5	153.5	193.5#

Manual Integrations
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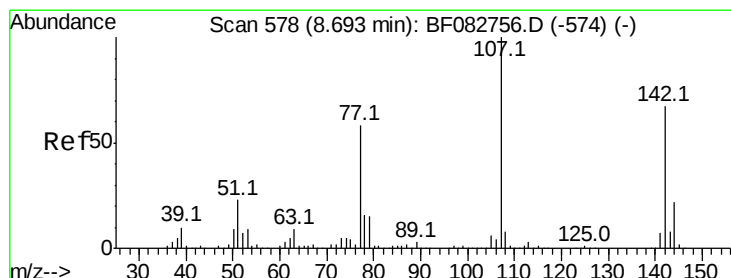
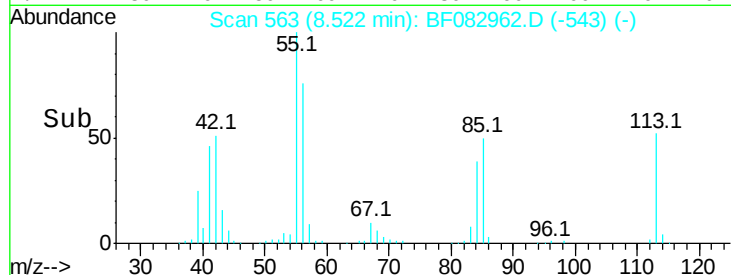
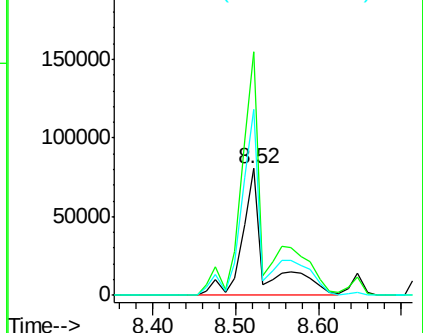
mmdadoda
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 32.22 ng/mL

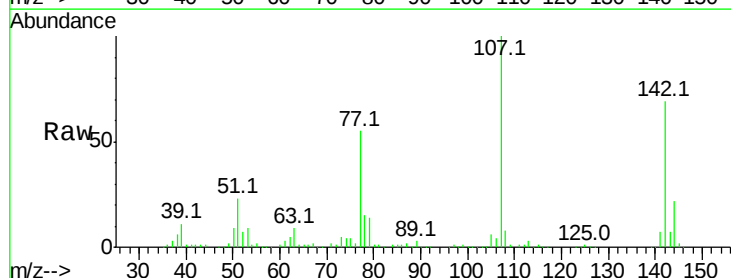
RT: 8.65 min Scan# 574

Delta R.T. -0.05 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

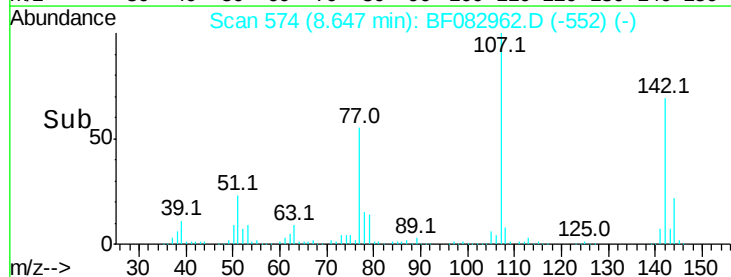
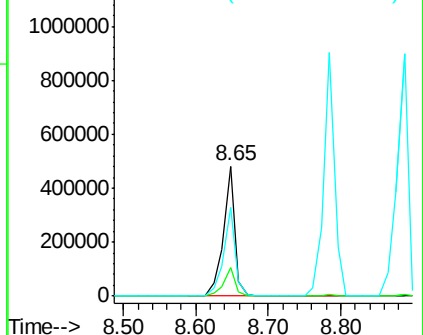
Tgt Ion:	107	Resp:	529097
Ion Ratio	Lower	Upper	
107	100		
144	22.0	15.4	23.0
142	68.7	47.8	71.8

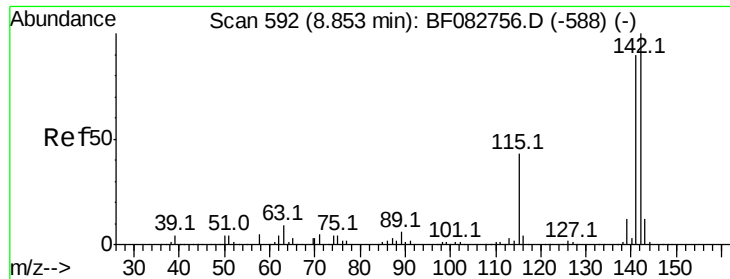


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





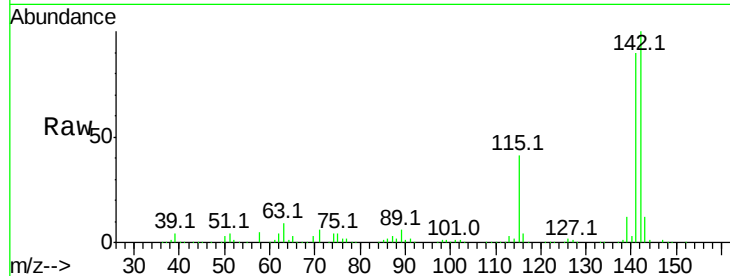
#37
2-Methylnaphthalene
Concen: 29.99 ng
RT: 8.78 min Scan# 586
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

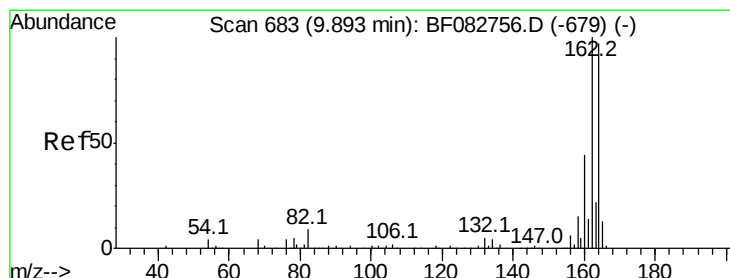
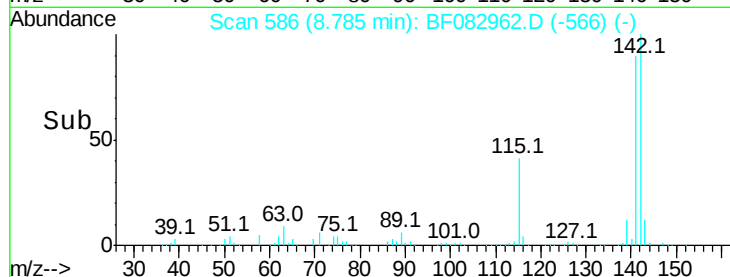
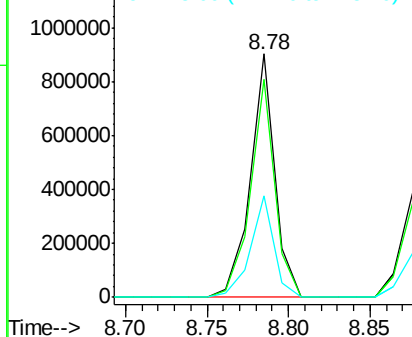
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.3	108.5
115	41.4	38.1	57.1

Manual Integrations
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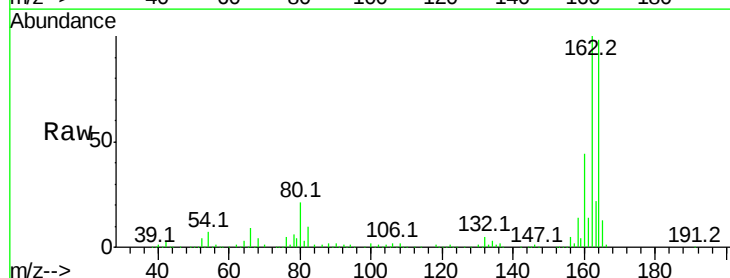


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

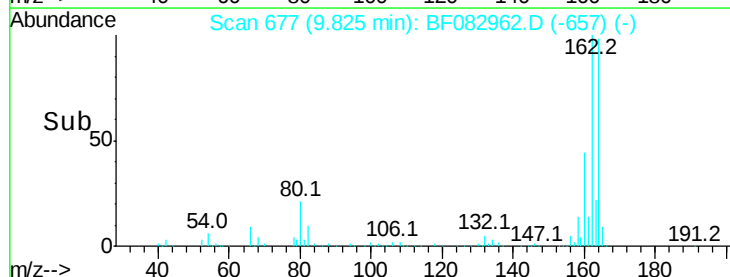
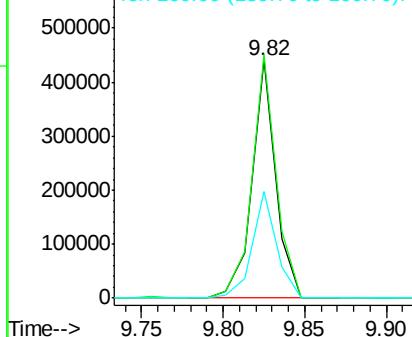


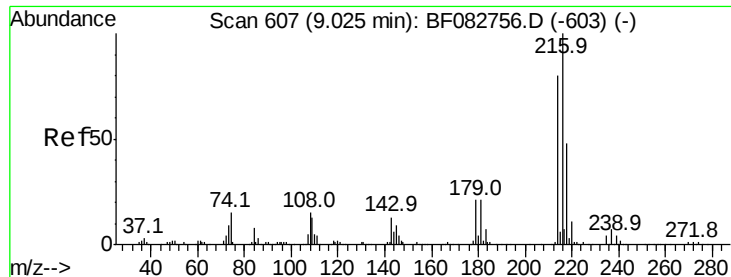
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	84.9	127.3
160	44.6	37.5	56.3



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 32.09 ng

RT: 8.96 min Scan# 601

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

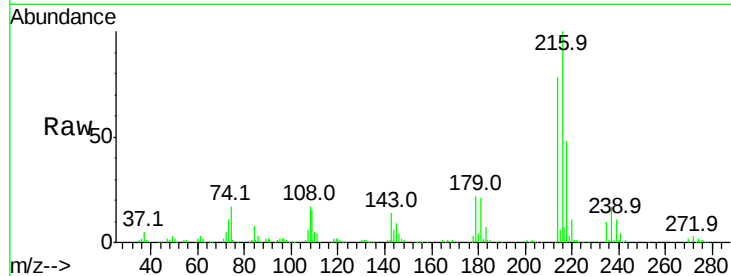
ClientSampleId :

PB86680BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		470148		
214	79.1	62.2	93.2		
179	22.0	18.1	27.1		
108	22.6	16.6	25.0		

Manual Integrations
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mmdadoda
11/17/2015 5:56:16 PM

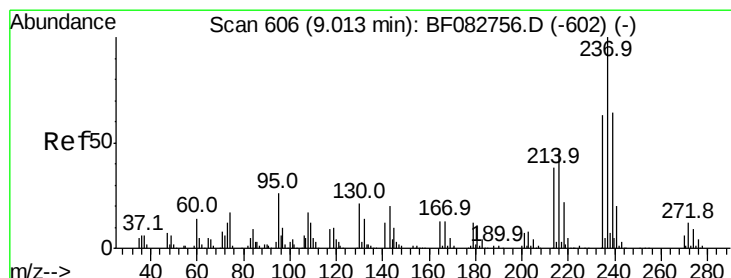
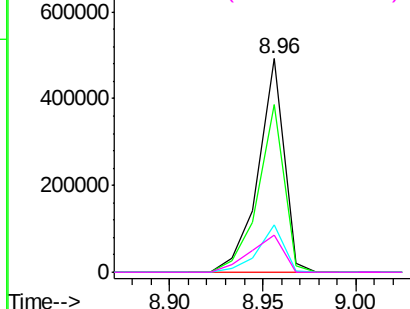
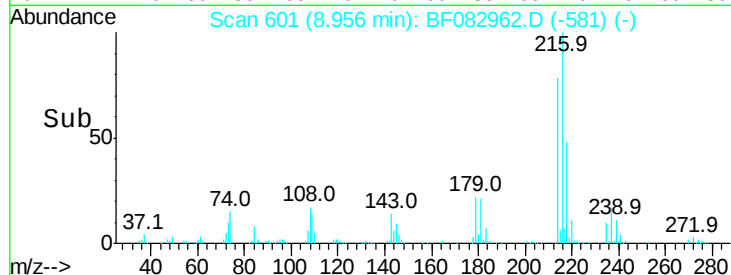


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 65.49 ng

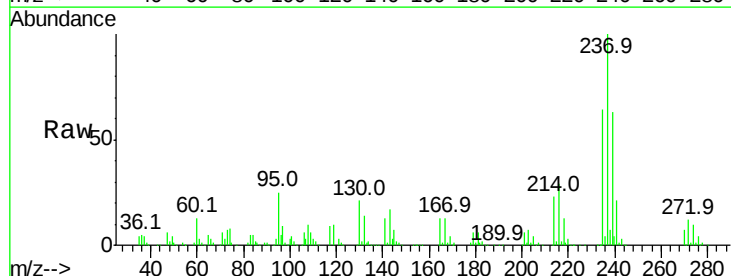
RT: 8.94 min Scan# 600

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

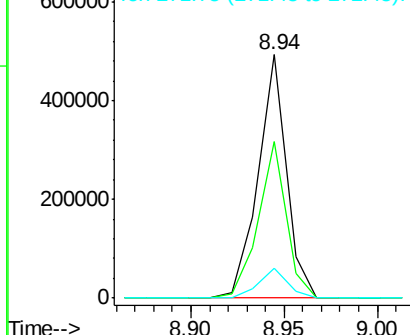
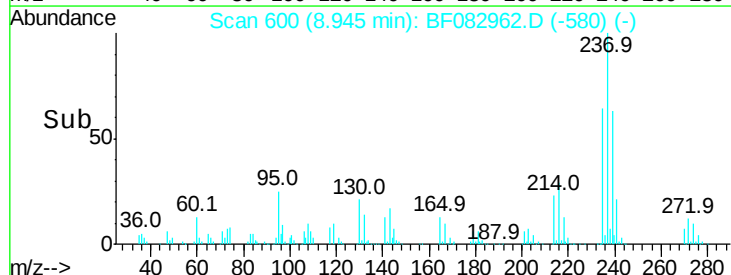
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		515401		
235	64.2	44.3	84.3		
272	12.0	0.0	31.9		

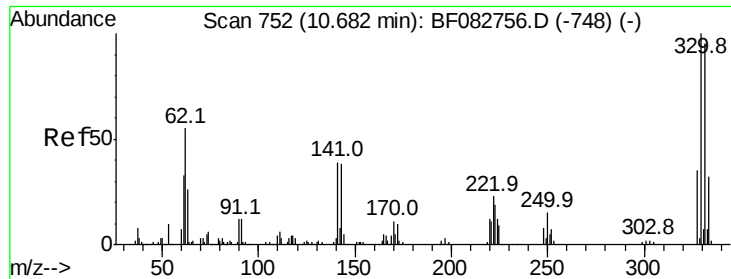


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





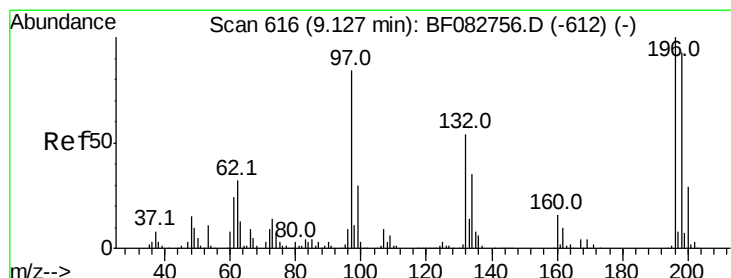
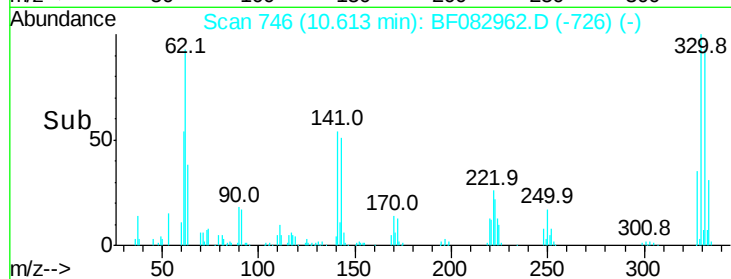
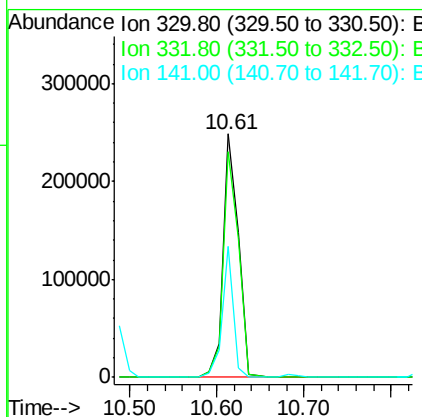
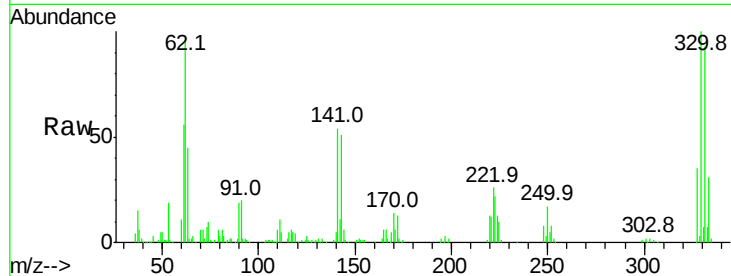
#41
 2,4,6-Tribromophenol
 Concen: 59.85 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.2	76.6	114.8	
141	40.2	41.2	61.8#	

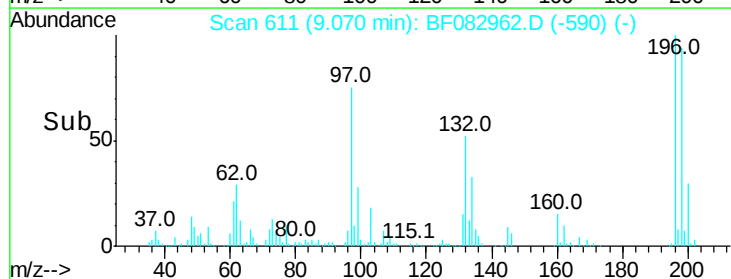
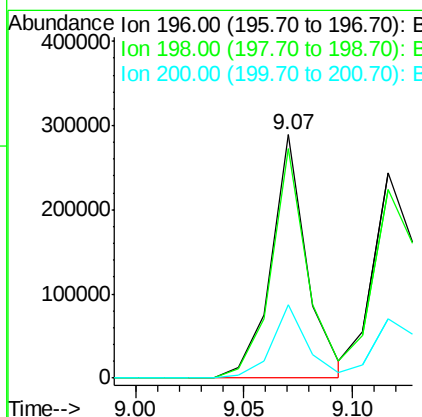
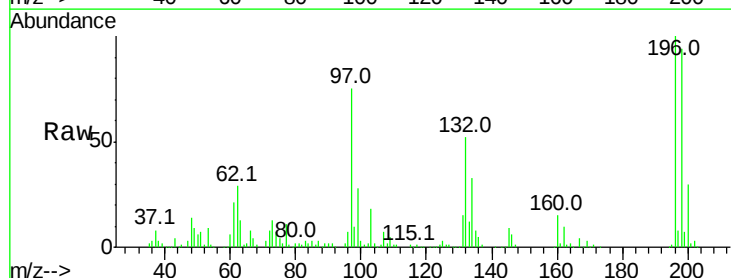
Manual Integrations
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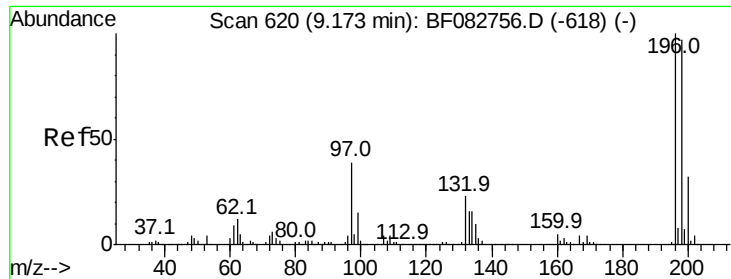
mmdadoda
 11/17/2015 5:56:16 PM



#42
 2,4,6-Trichlorophenol
 Concen: 30.26 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.06 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	94.1	76.3	114.5	
200	30.0	23.9	35.9	





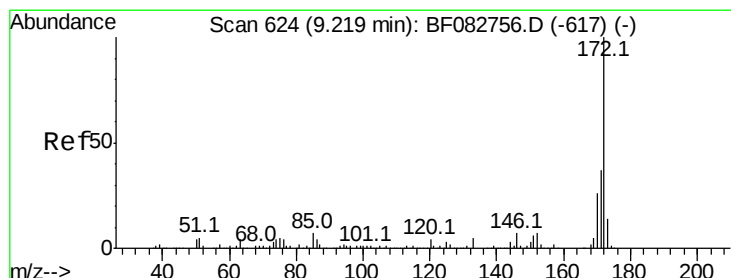
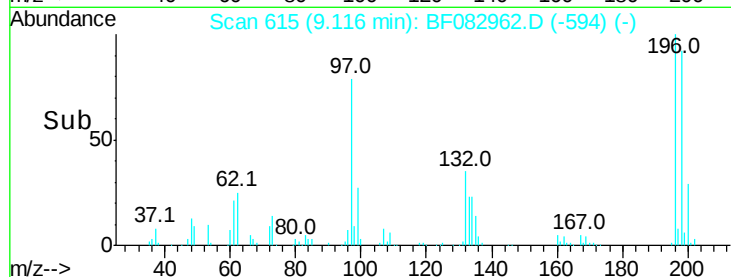
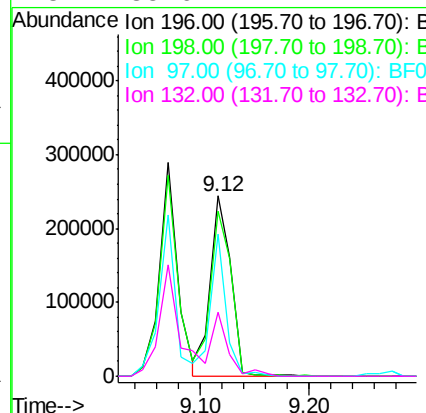
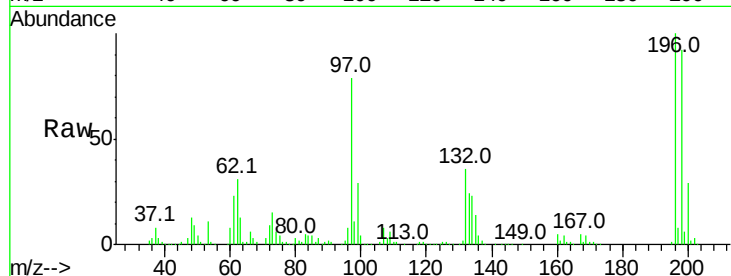
#43
 2,4,5-Trichlorophenol
 Concen: 29.90 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Manual Integrations
 APPROVED

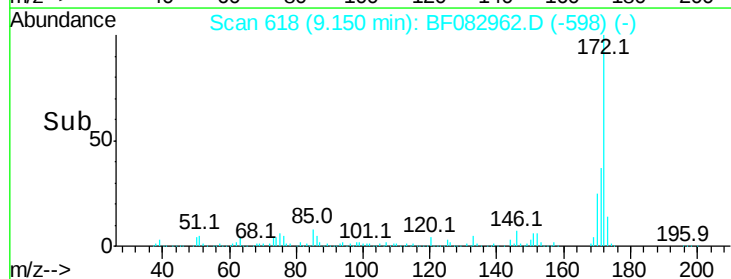
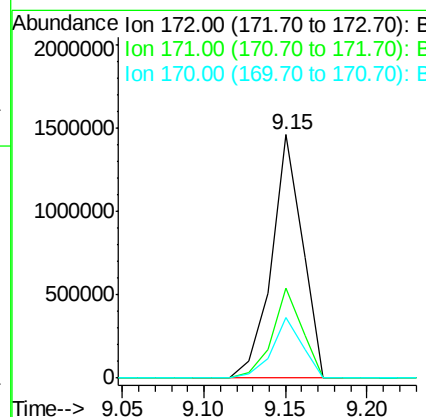
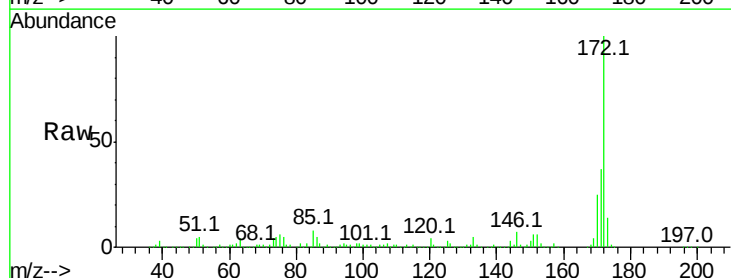
mmdadoda
 11/17/2015 5:56:16 PM

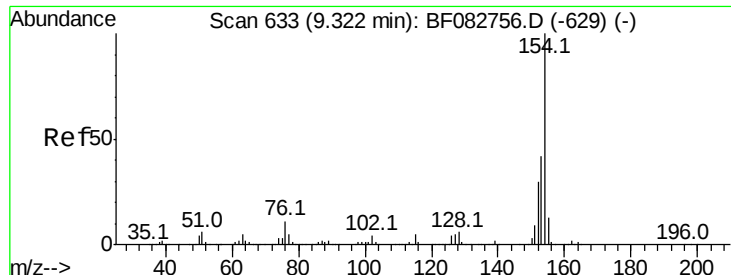
Tot Ion	Ratio	Resp	Lower	Upper
196	100	323326		
198	91.7	75.8	113.8	
97	78.9	62.3	93.5	
132	35.6	27.4	41.2	



#44
 2-Fluorobiphenyl
 Concen: 61.70 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1919139		
171	36.8	30.8	46.2	
170	24.9	21.2	31.8	





#45

1,1'-Biphenyl

Concen: 32.54 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion:154 Resp: 1244563

Ion Ratio Lower Upper

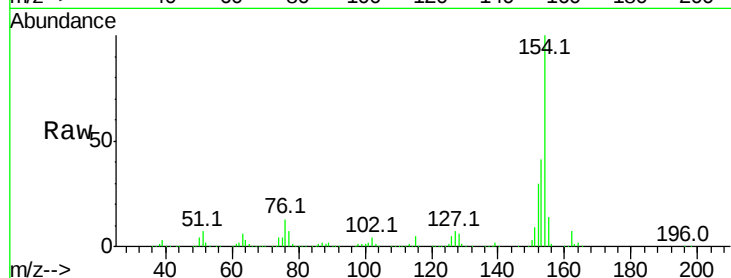
154 100

153 41.3 22.0 62.0

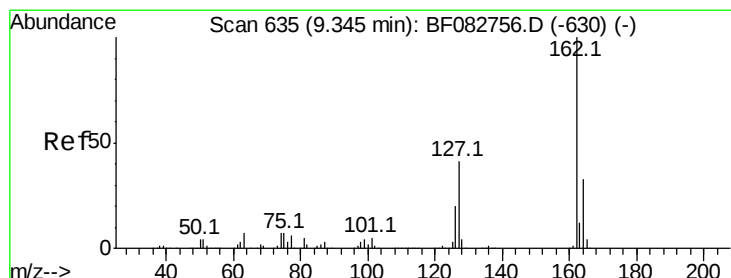
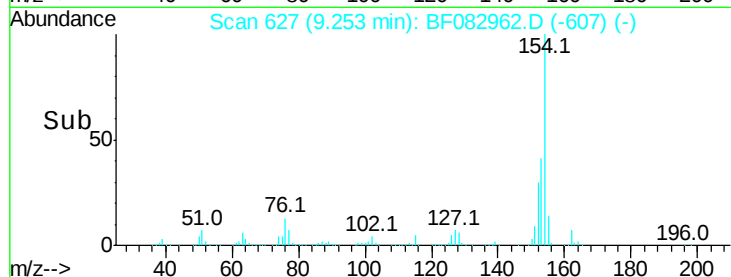
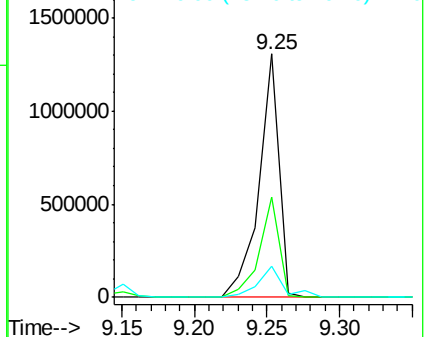
76 12.7 0.0 29.0

Manual Integrations
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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: 33.27 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

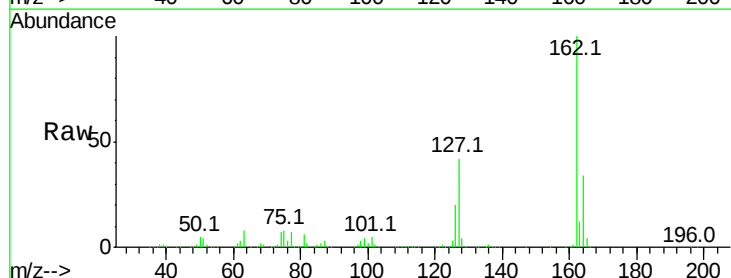
Tgt Ion:162 Resp: 992812

Ion Ratio Lower Upper

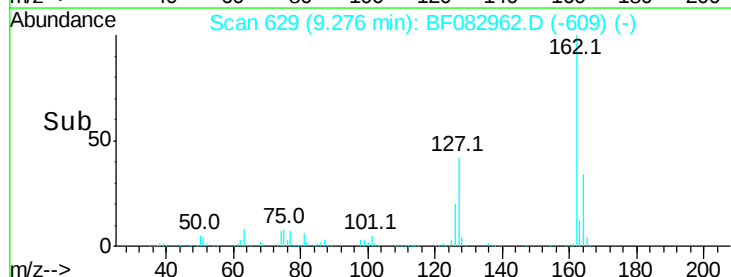
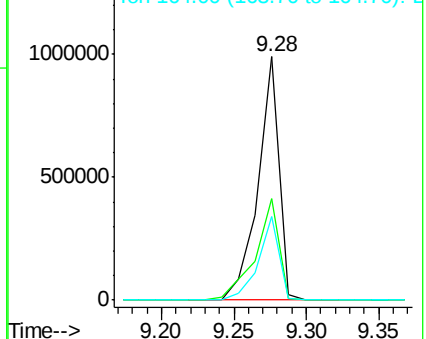
162 100

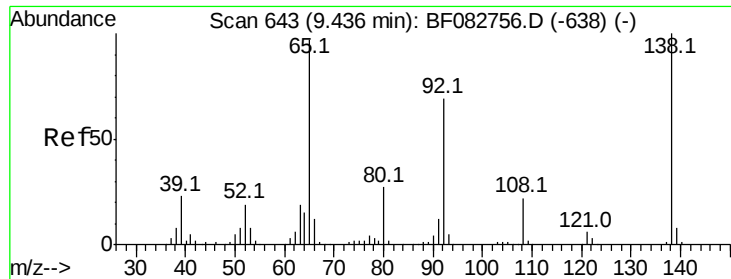
127 41.6 32.7 49.1

164 34.2 27.4 41.0



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





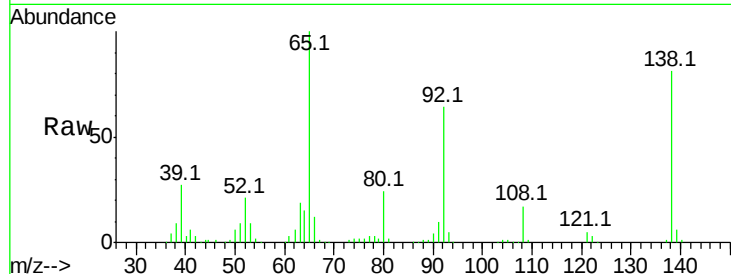
#47
2-Nitroaniline
Concen: 29.00 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	320960		
92	63.9	46.6	70.0	
138	81.2	54.6	81.8	

Manual Integrations
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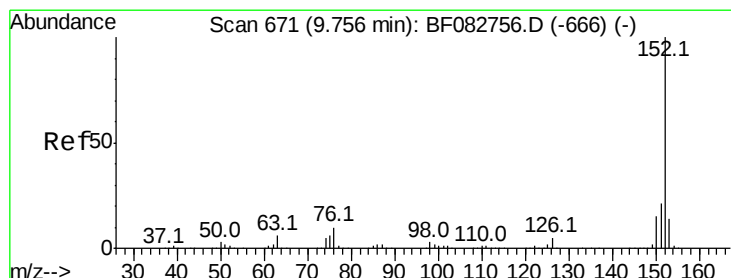
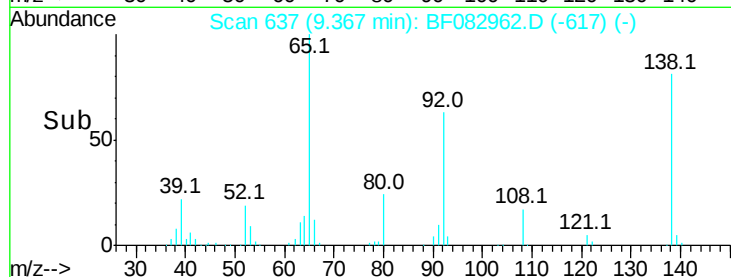
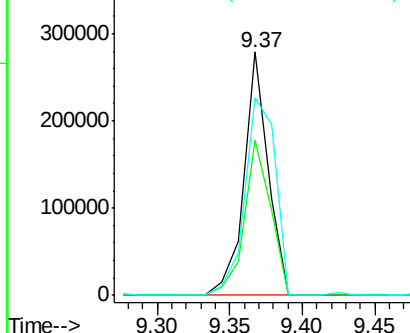


Abundance

Ion 65.00 (64.70 to 65.70): BF0

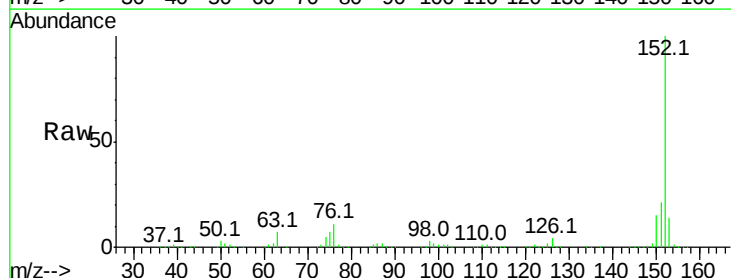
Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#48
Acenaphthylene
Concen: 30.69 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1435174		
151	20.8	17.3	25.9	
153	13.8	11.3	16.9	

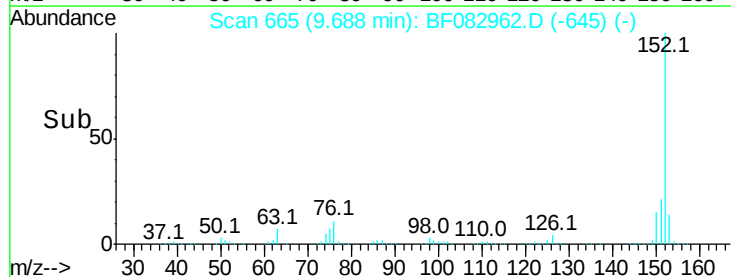
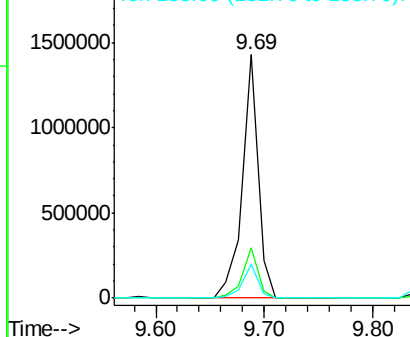


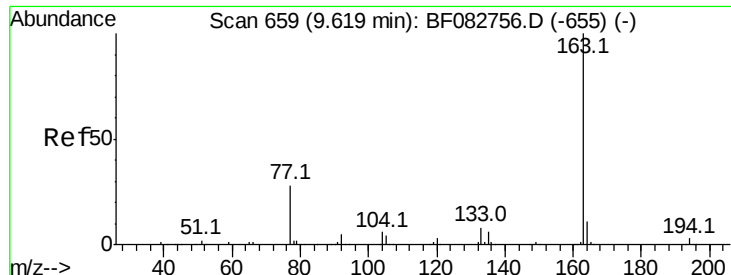
Abundance

Ion 152.00 (151.70 to 152.70): BF0

Ion 151.00 (150.70 to 151.70): BF0

Ion 153.00 (152.70 to 153.70): BF0





#49

Dimethylphthalate

Concen: 34.31 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion:163 Resp: 1253220

Ion Ratio Lower Upper

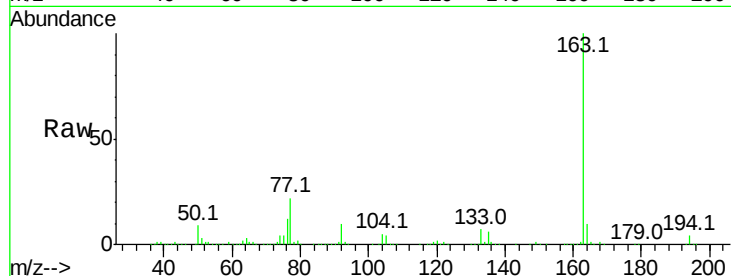
163 100

194 3.6 2.6 4.0

164 10.4 8.7 13.1

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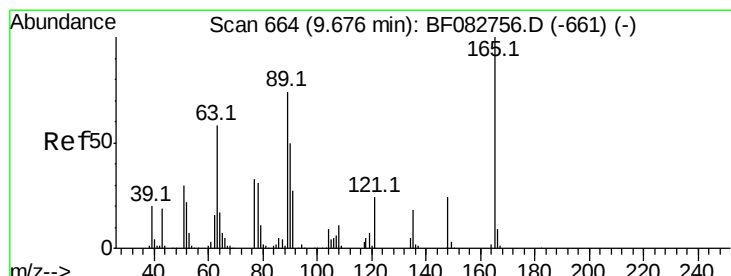
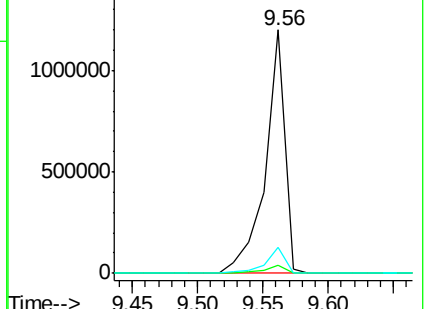
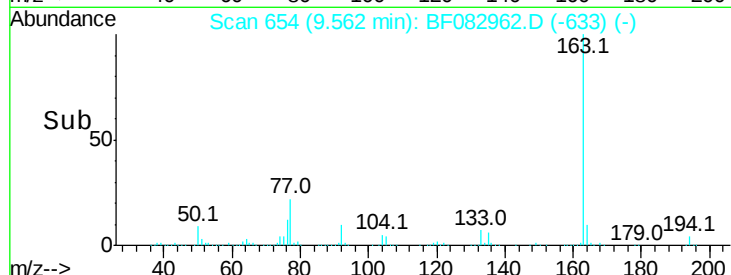
mmdadoda
11/17/2015 5:56:16 PM



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 36.42 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

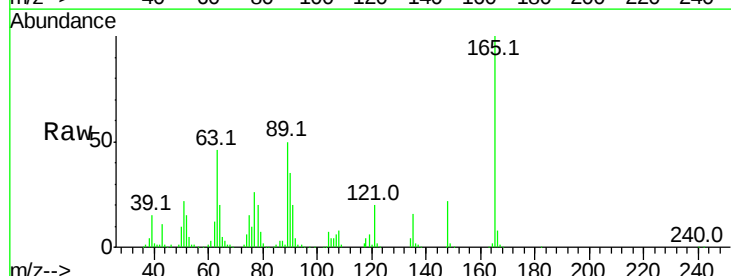
Tgt Ion:165 Resp: 283836

Ion Ratio Lower Upper

165 100

63 46.1 55.5 83.3#

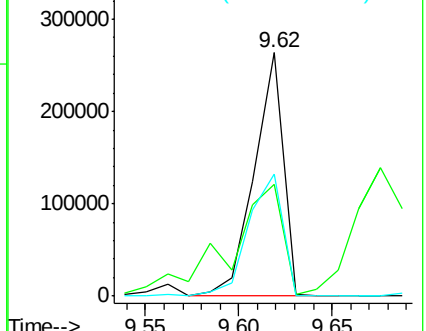
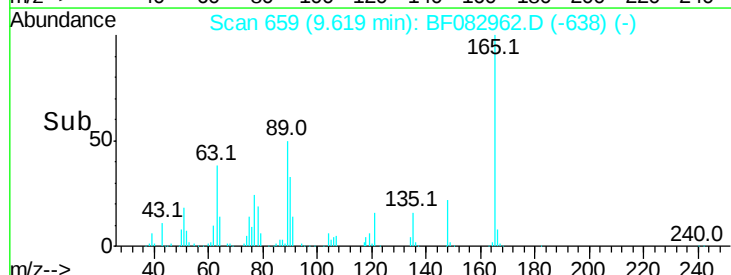
89 50.2 55.0 82.6#

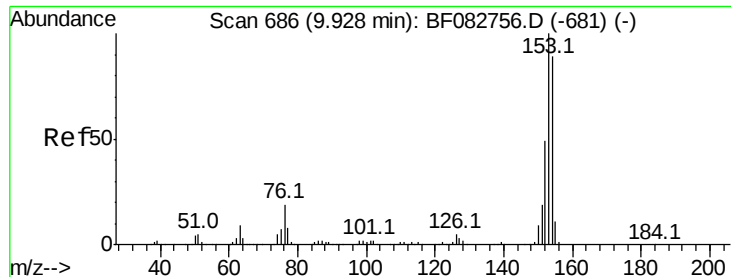


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 34.83 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion:154 Resp: 1032349

Ion Ratio Lower Upper

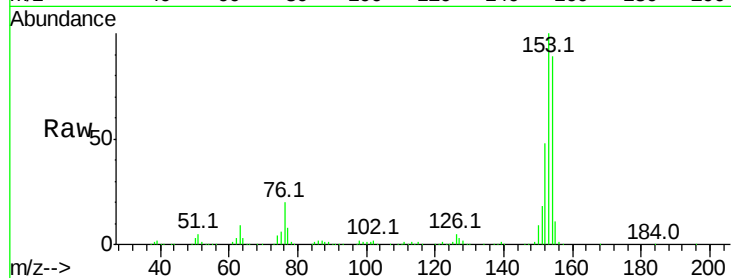
154 100

153 112.5 90.1 135.1

152 54.4 44.3 66.5

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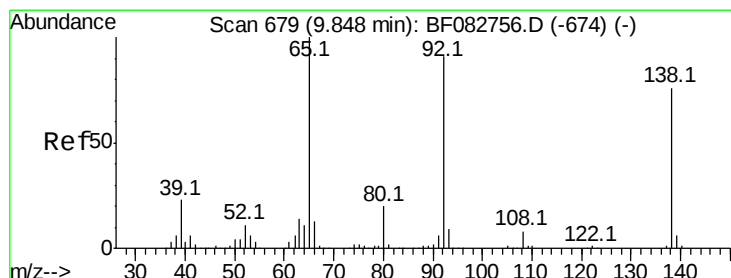
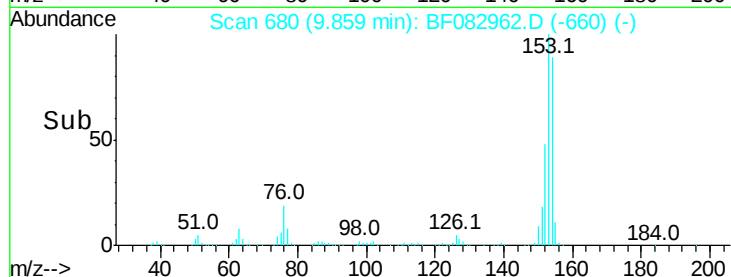
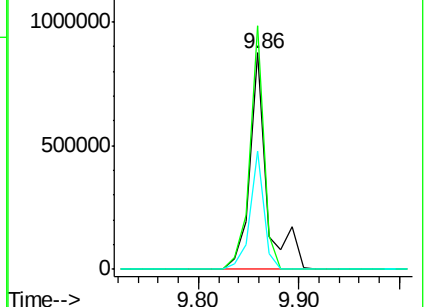
mmdadoda
11/17/2015 5:56:16 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 14.44 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

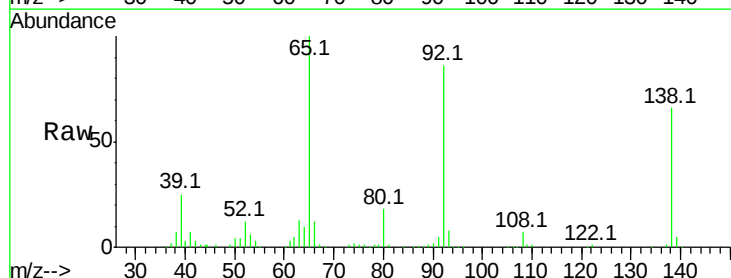
Tgt Ion:138 Resp: 123743

Ion Ratio Lower Upper

138 100

108 11.0 11.3 16.9#

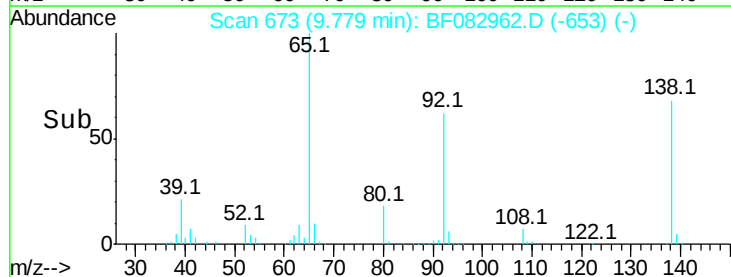
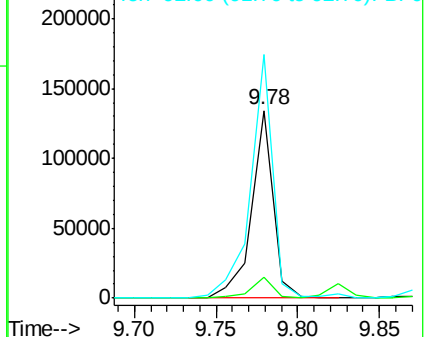
92 129.7 122.4 183.6

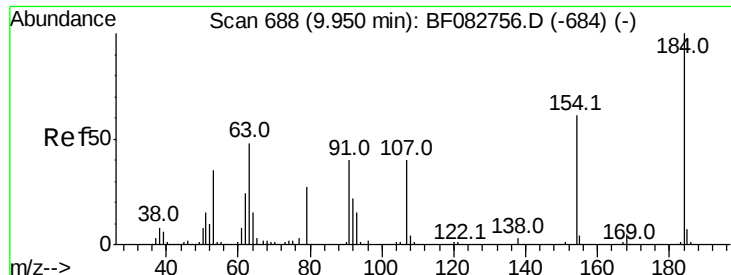


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





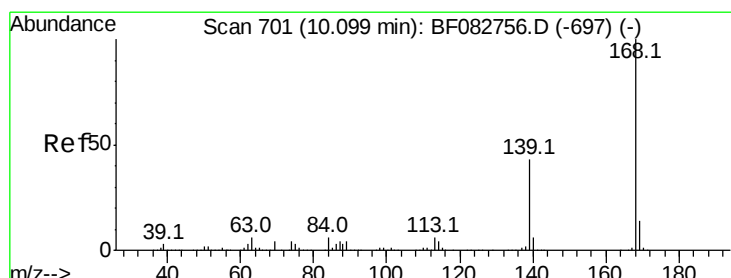
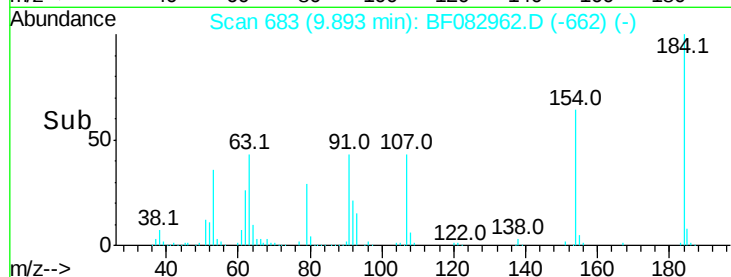
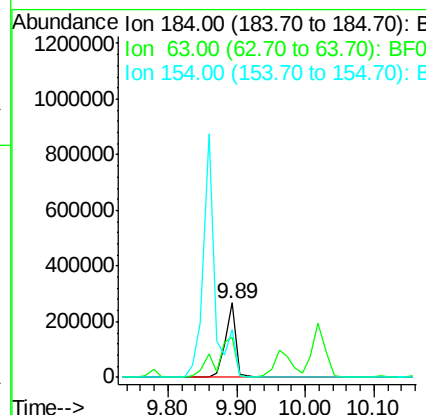
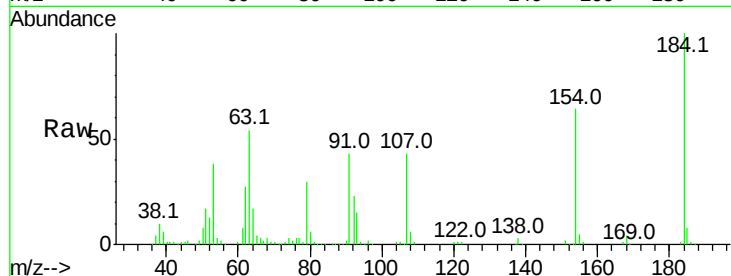
#53
 2,4-Dinitrophenol
 Concen: 69.17 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.06 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	295956		
63	53.6	98.6	148.0#	
154	64.2	183.9	275.9#	

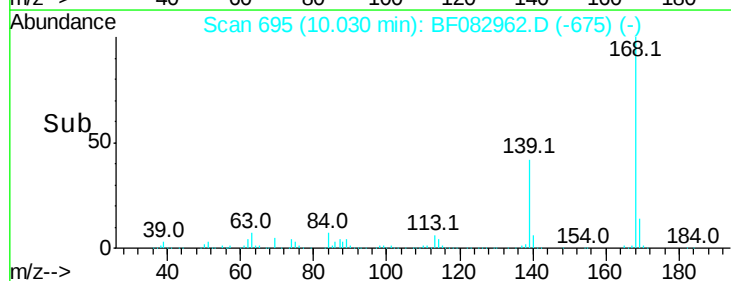
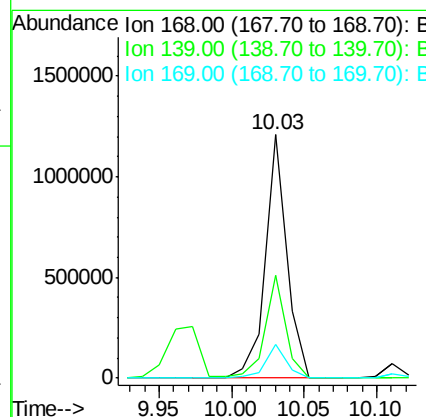
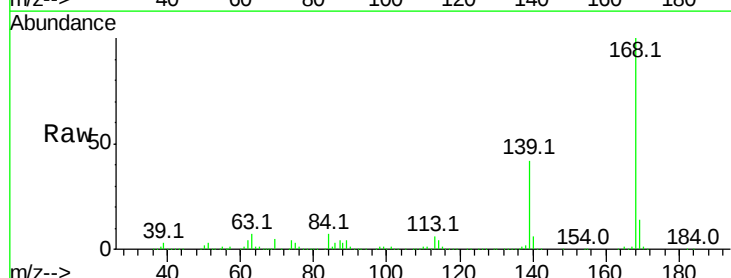
Manual Integrations
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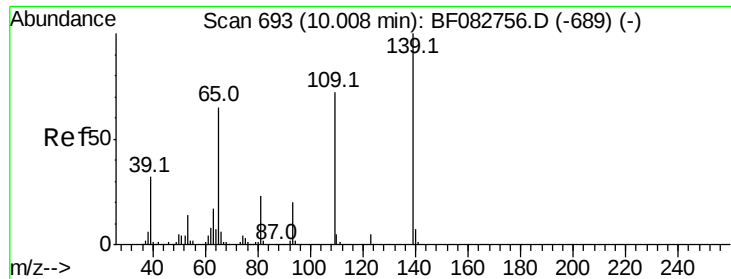
mmdadoda
 11/17/2015 5:56:16 PM



#54
 Dibenzofuran
 Concen: 31.10 ng
 RT: 10.03 min Scan# 695
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1242709		
139	42.2	37.8	56.6	
169	13.9	11.3	16.9	





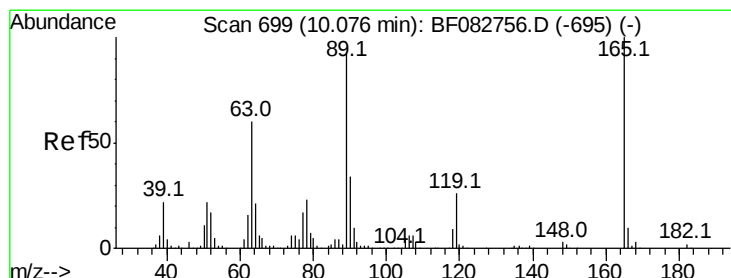
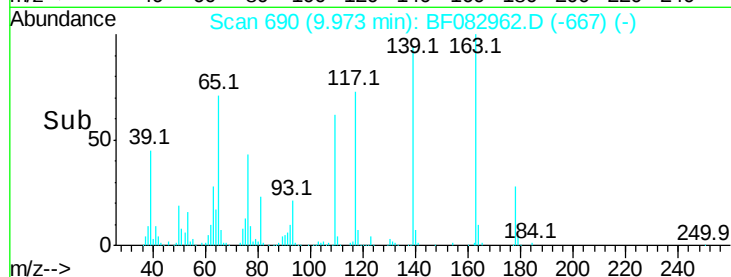
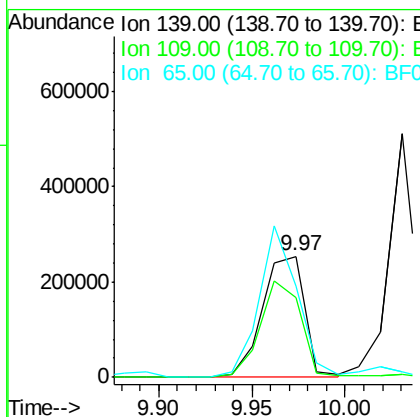
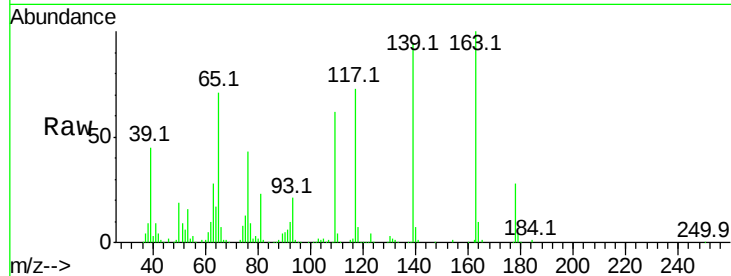
#55
4-Nitrophenol
Concen: 60.97 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	65.8	73.7	113.7#	
65	75.6	82.9	122.9#	

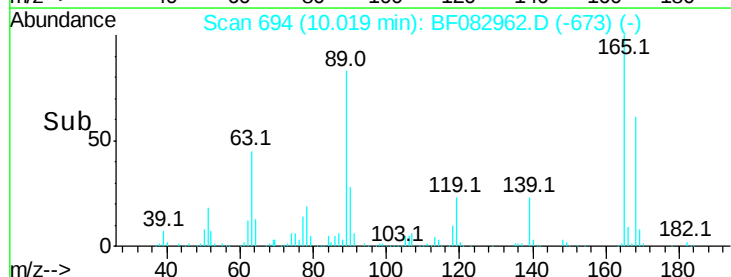
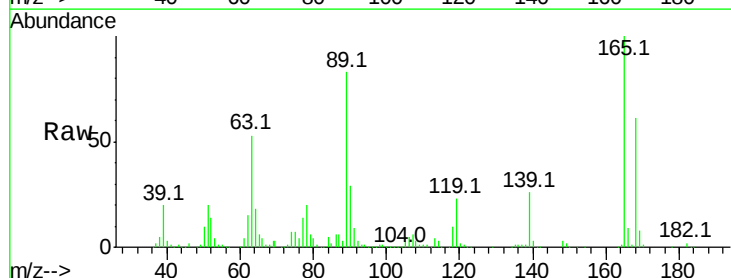
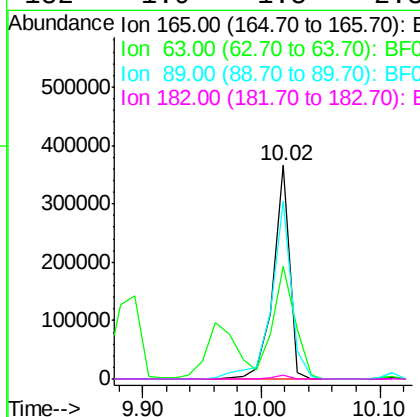
Manual Integrations
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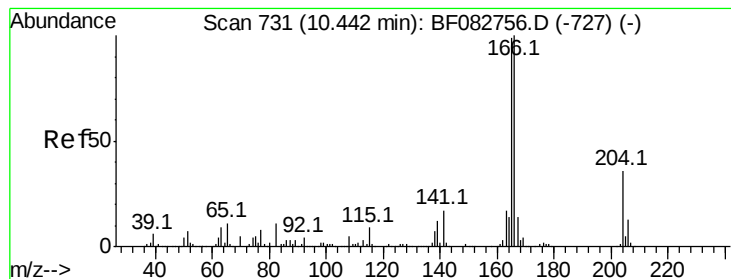
mmdadoda
11/17/2015 5:56:16 PM



#56
2,4-Dinitrotoluene
Concen: 33.39 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.06 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	52.9	43.4	65.0	
89	83.2	70.6	106.0	
182	1.9	1.5	2.3	





#57

Fluorene

Concen: 30.52 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

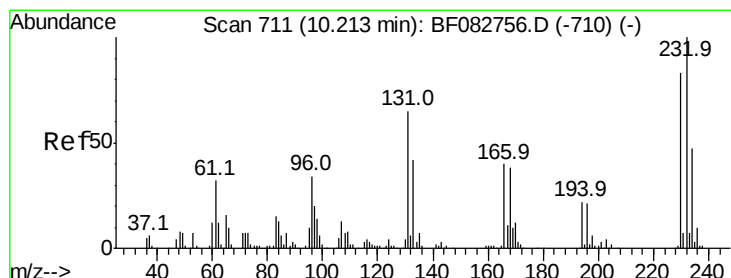
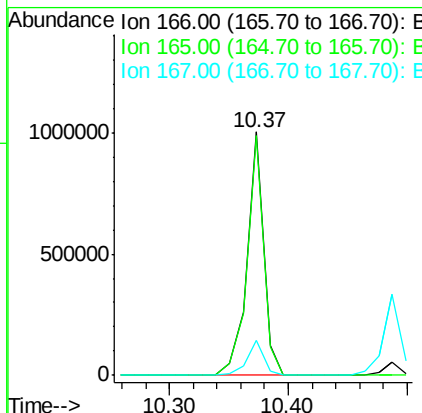
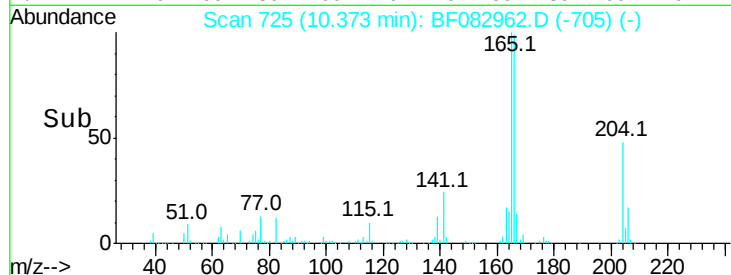
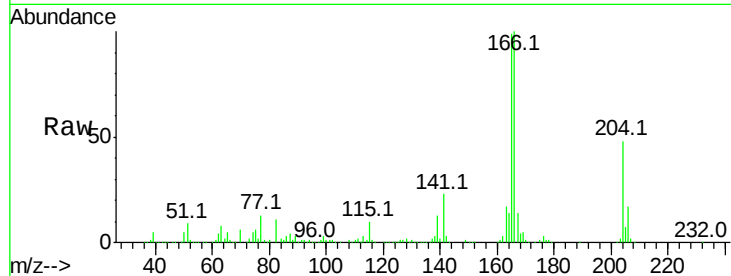
ClientSampleId :

PB86680BSD

Tot Ion:	166	Resp:	987723
Ion Ratio	Lower	Upper	
166	100		
165	98.6	80.2	120.4
167	14.4	11.2	16.8

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mmdadoda
11/17/2015 5:56:16 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.52 ng

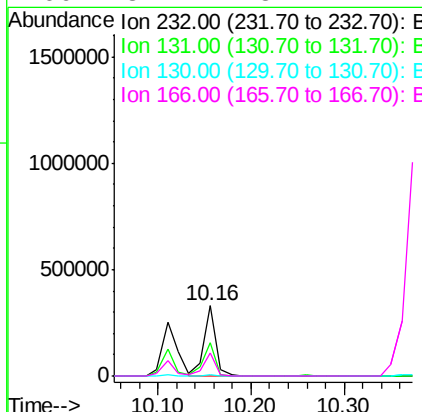
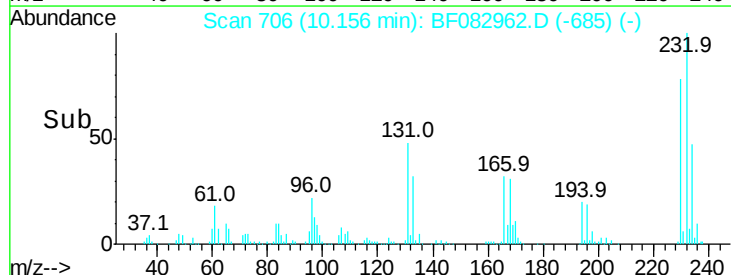
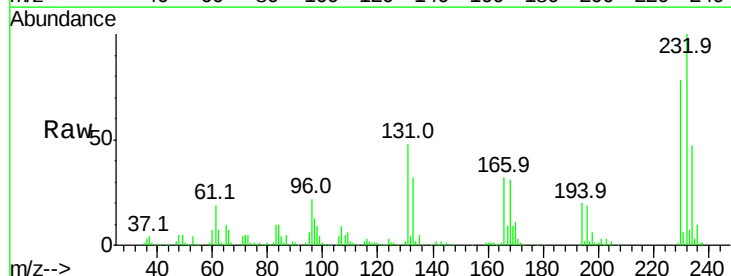
RT: 10.16 min Scan# 706

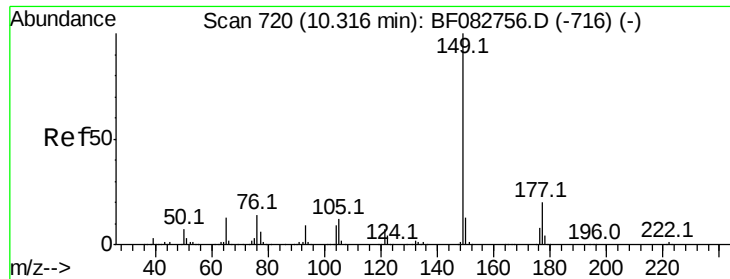
Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Tgt Ion:	232	Resp:	295889
Ion Ratio	Lower	Upper	
232	100		
131	49.4	46.2	69.2
130	2.3	2.4	3.6
166	31.7	28.2	42.2





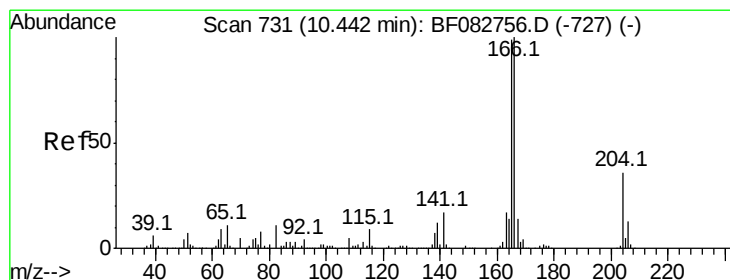
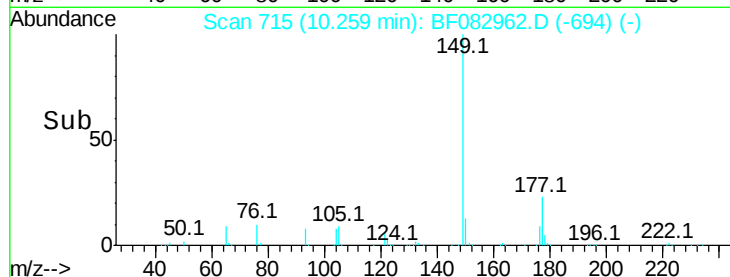
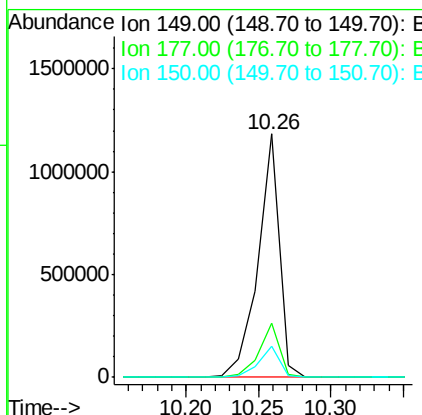
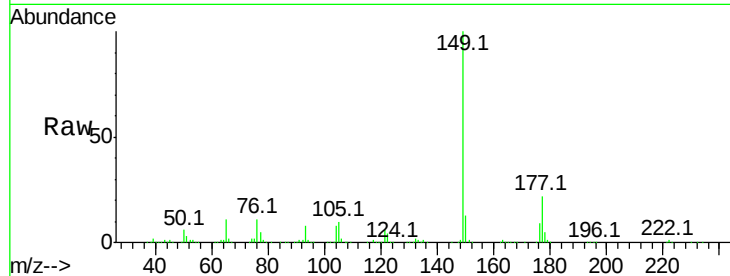
#59
Diethylphthalate
Concen: 33.71 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.06 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.9	10.1	15.1

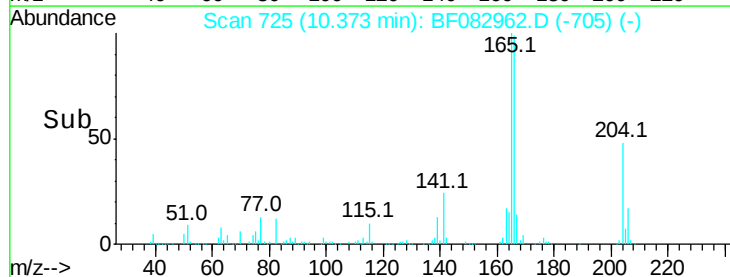
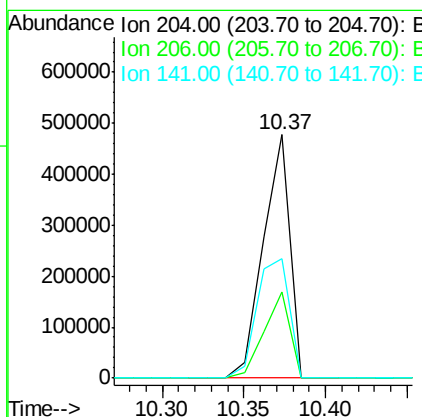
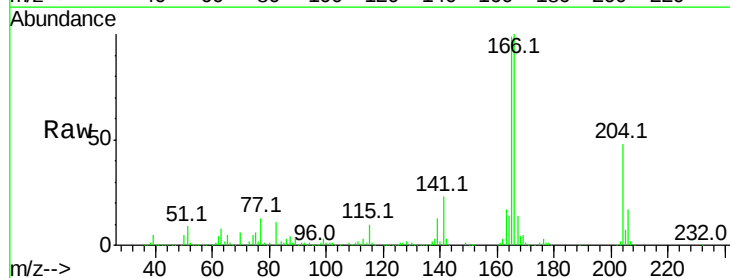
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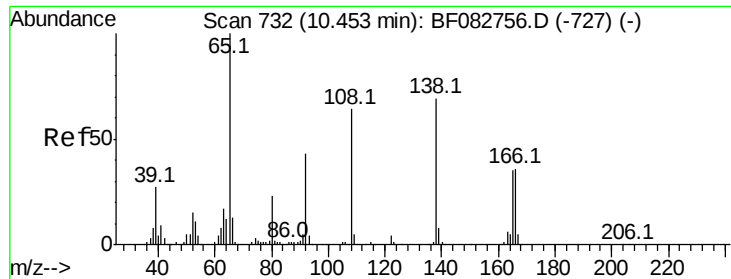
mmdadoda
11/17/2015 5:56:16 PM



#60
4-Chlorophenyl-phenylether
Concen: 33.43 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Lower	Upper
204	100		
206	35.6	28.5	42.7
141	49.2	44.6	66.8





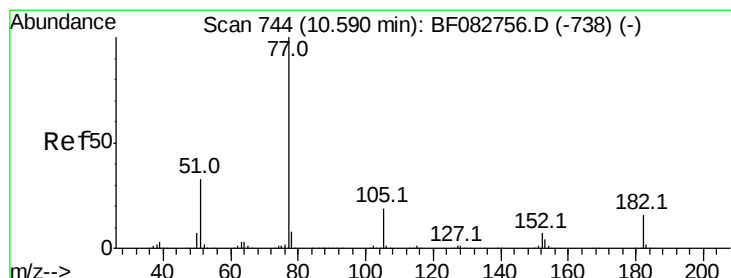
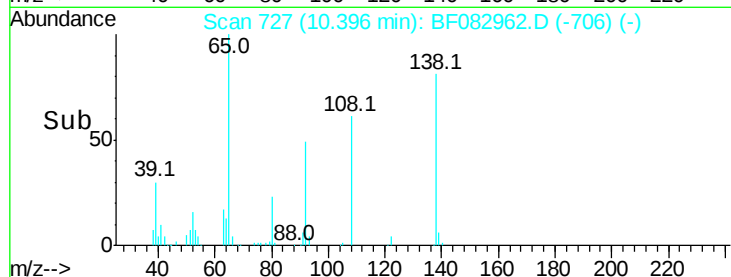
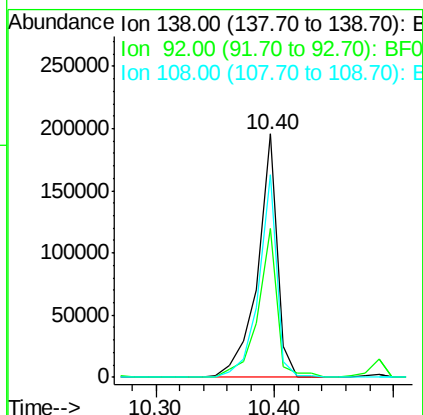
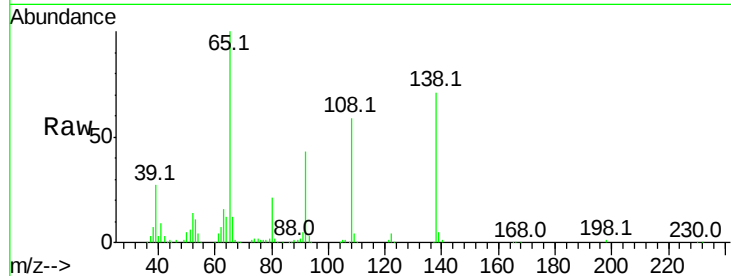
#61
4-Nitroaniline
Concen: 26.34 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.06 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	61.0	45.8	85.8
108	83.4	89.4	129.4

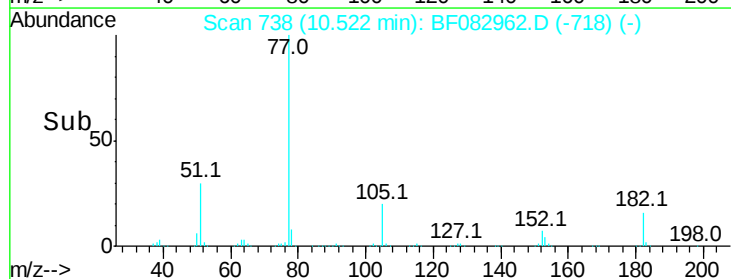
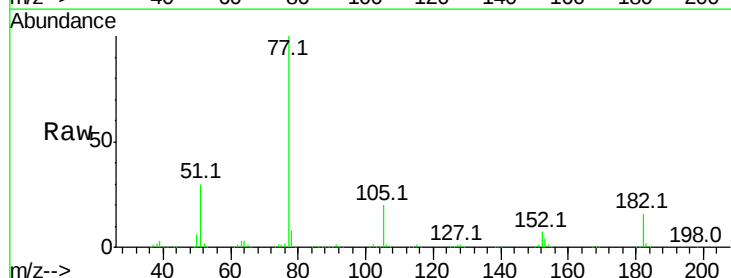
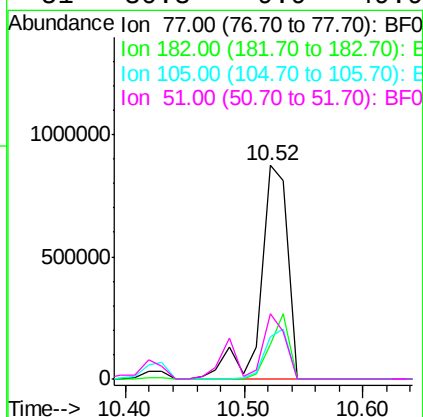
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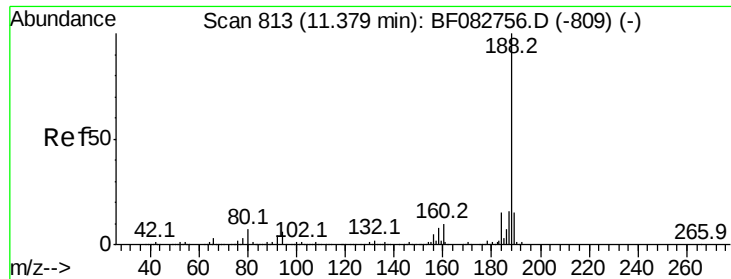
mmdadoda
11/17/2015 5:56:16 PM



#62
Azobenzene
Concen: 36.07 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Lower	Upper
77	100		
182	16.0	9.3	49.3
105	19.6	2.6	42.6
51	30.3	9.9	49.9





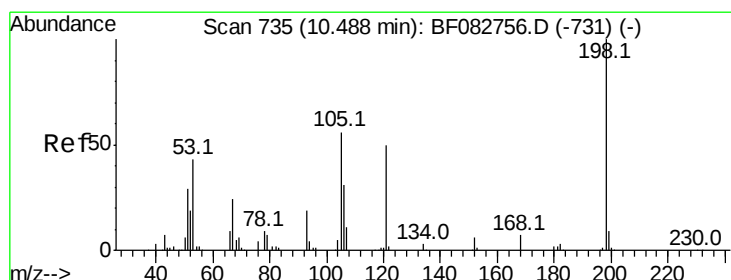
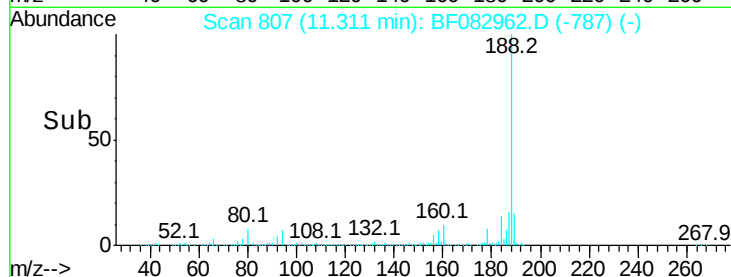
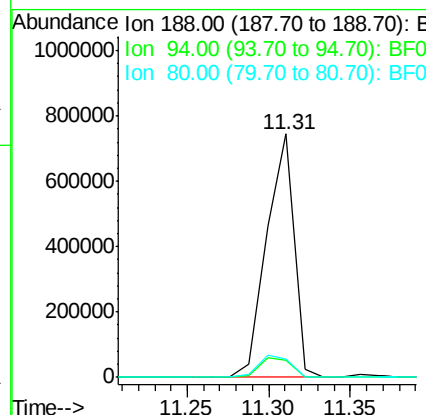
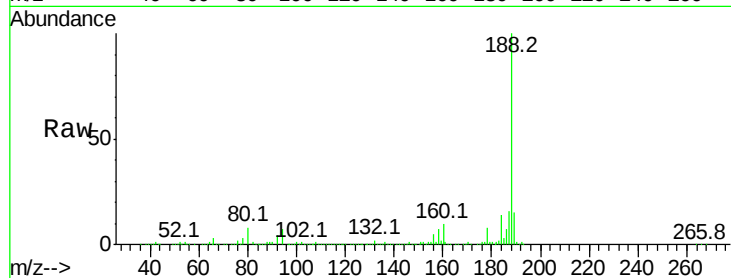
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	876399		
94	7.1	6.1	9.1	
80	7.6	7.0	10.6	

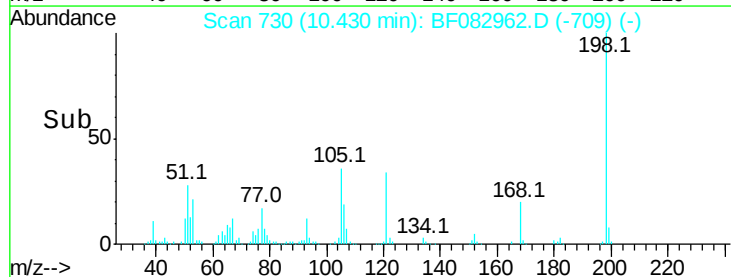
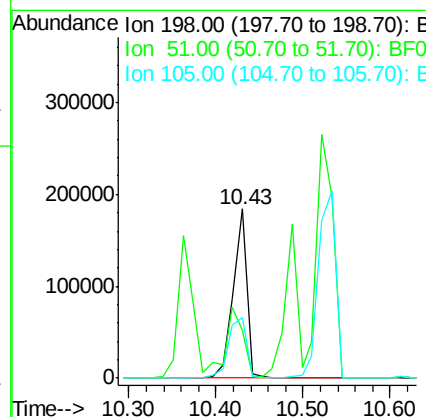
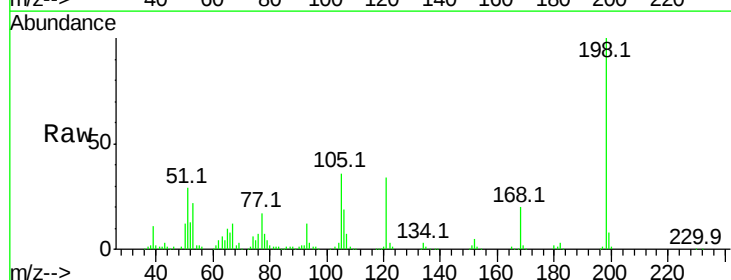
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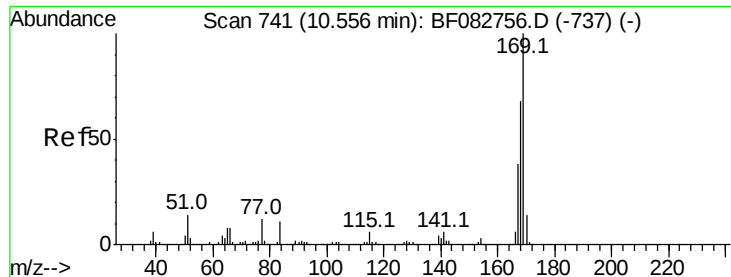
mmdadoda
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#64
4,6-Dinitro-2-methylphenol
Concen: 32.39 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.06 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	202253		
51	28.5	17.3	57.3	
105	35.9	21.7	61.7	





#65

n-Nitrosodiphenylamine

Concen: 28.53 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion:169 Resp: 903369

Ion Ratio Lower Upper

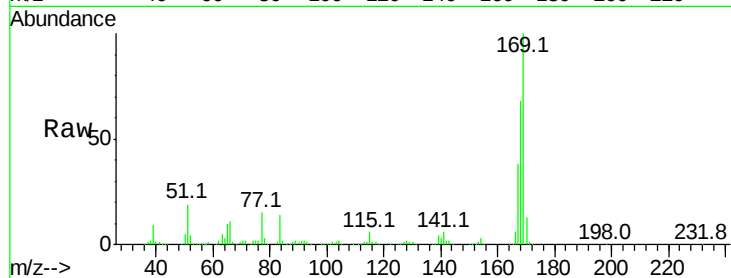
169 100

168 67.6 55.0 82.6

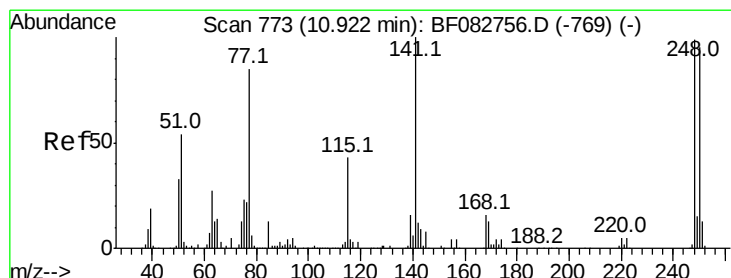
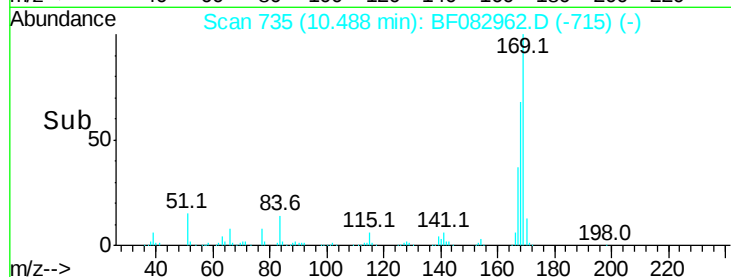
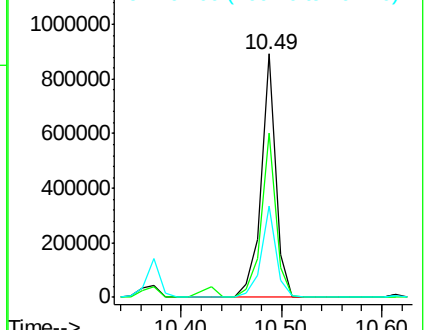
167 37.5 30.5 45.7

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 29.78 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

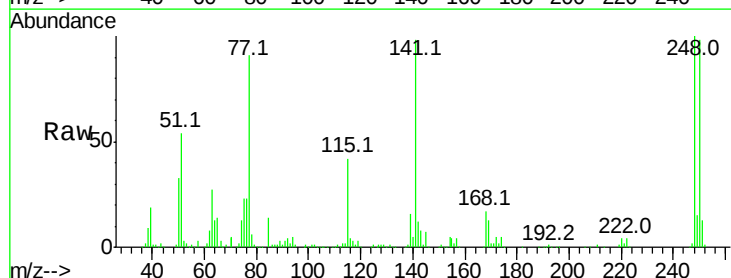
Tgt Ion:248 Resp: 314305

Ion Ratio Lower Upper

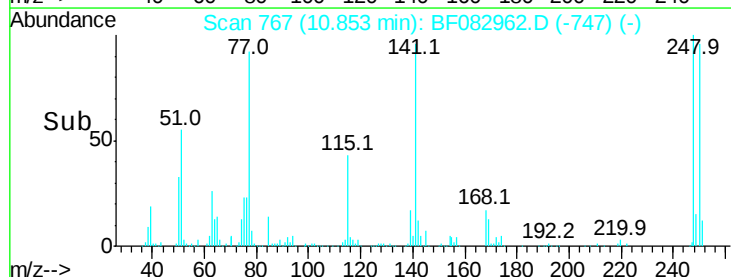
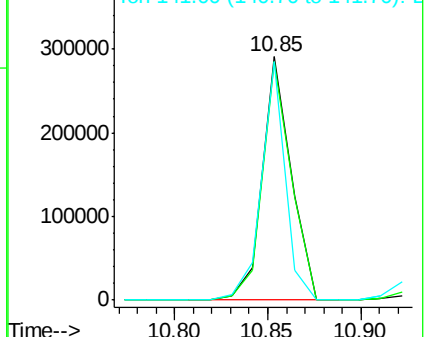
248 100

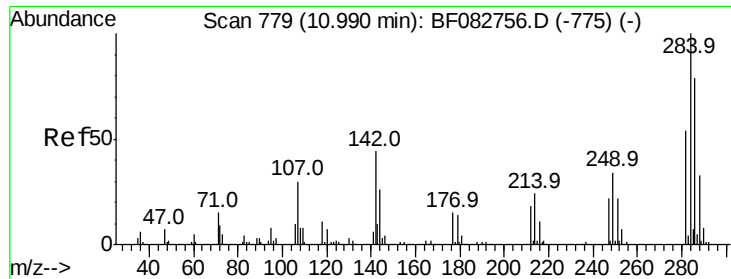
250 98.1 79.4 119.2

141 98.2 36.3 54.5#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 28.93 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

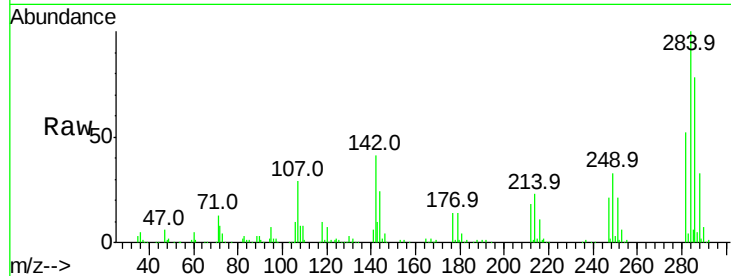
ClientSampleId :

PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	340935		
142	40.9		47.9	71.9#
249	33.3		29.7	44.5

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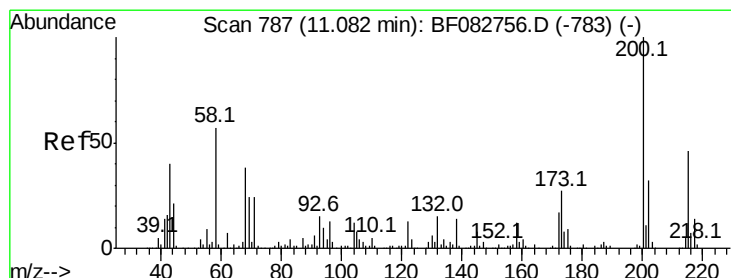
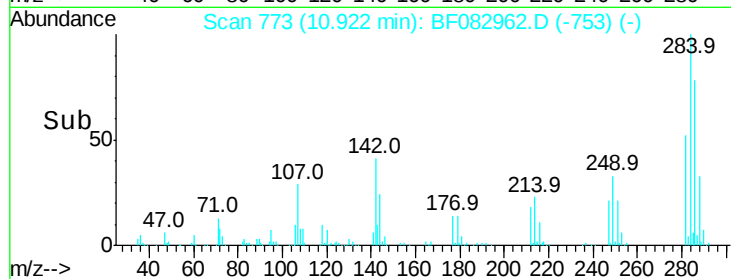
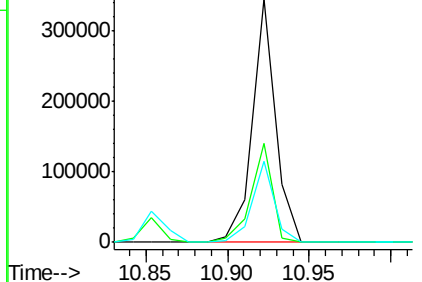
mmdadoda
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 36.58 ng

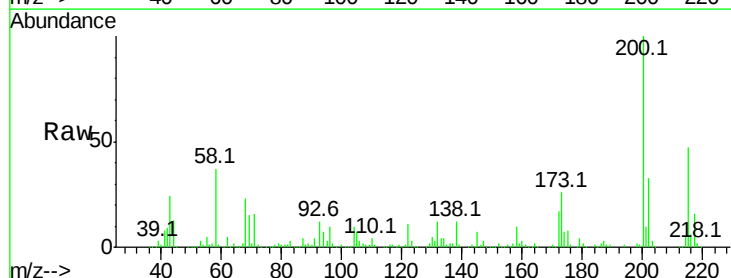
RT: 11.02 min Scan# 782

Delta R.T. -0.06 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

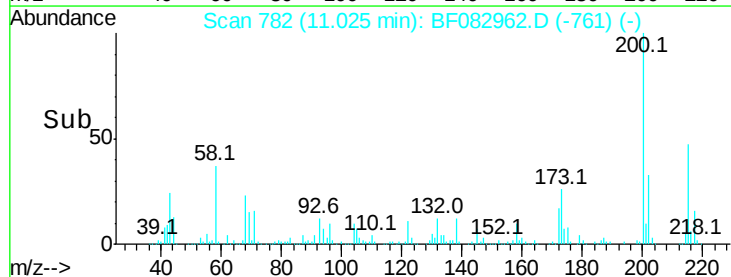
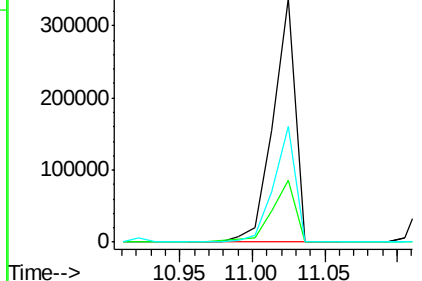
Tgt Ion	Ratio	Resp	Lower	Upper
200	100	358101		
173	25.6		6.9	46.9
215	47.2		22.9	62.9

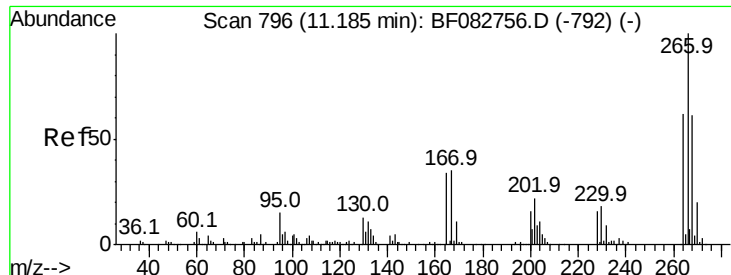


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





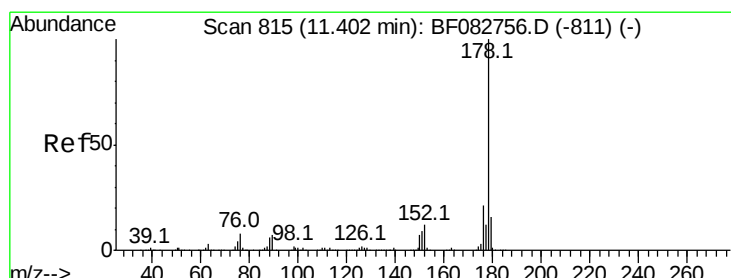
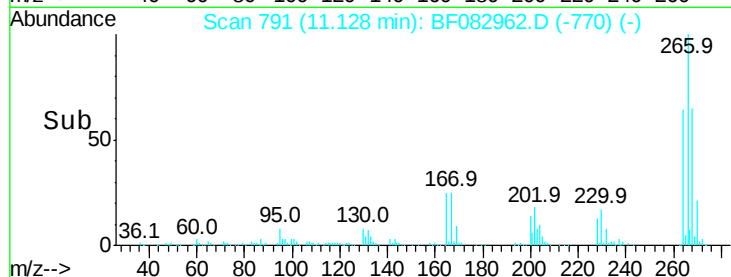
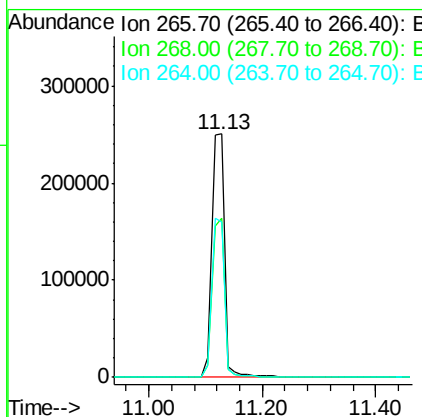
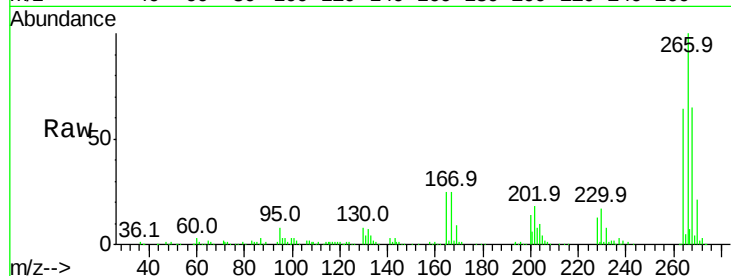
#69
 Pentachlorophenol
 Concen: 53.35 ng
 RT: 11.13 min Scan# 791
 Delta R.T. -0.06 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	381761		
268	65.5	51.0	76.6	
264	63.8	50.6	75.8	

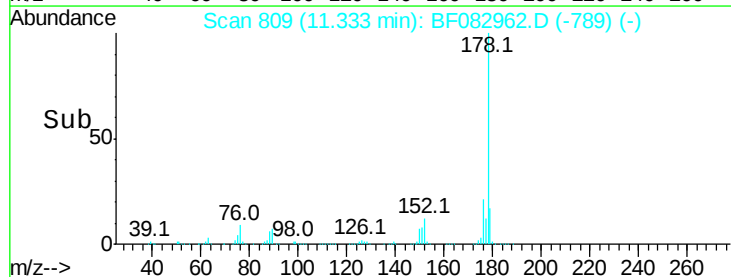
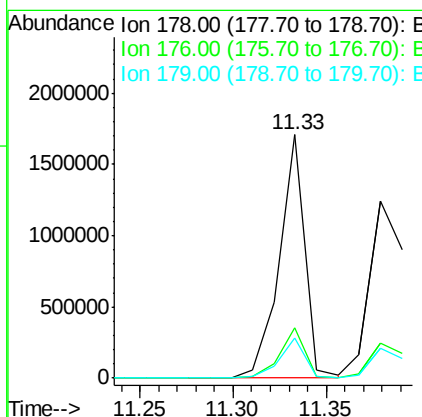
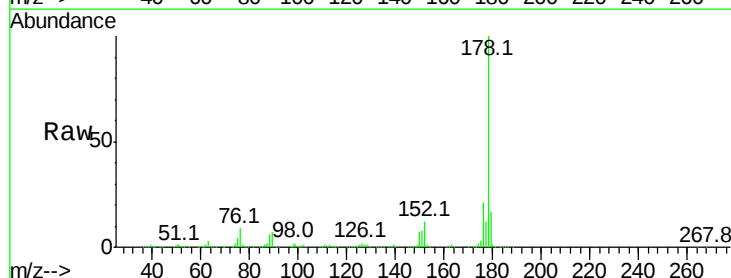
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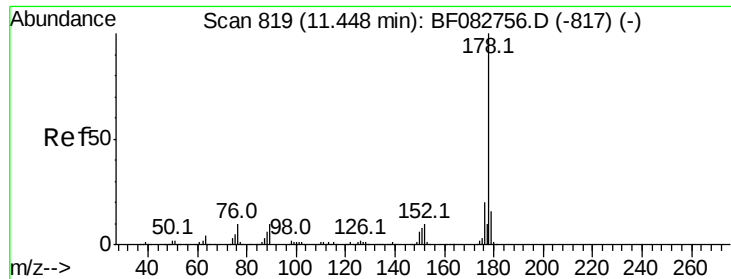
mmdadoda
 11/17/2015 5:56:16 PM



#70
 Phenanthrene
 Concen: 32.03 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1630107		
176	20.8	17.0	25.4	
179	16.6	13.4	20.0	





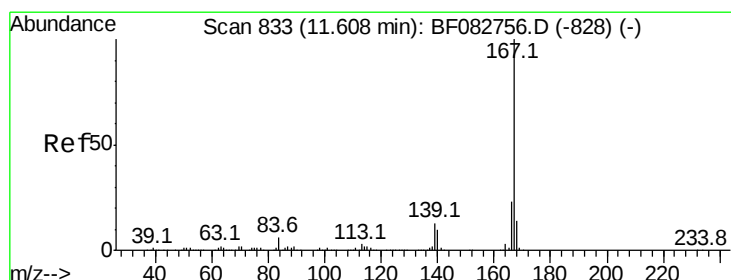
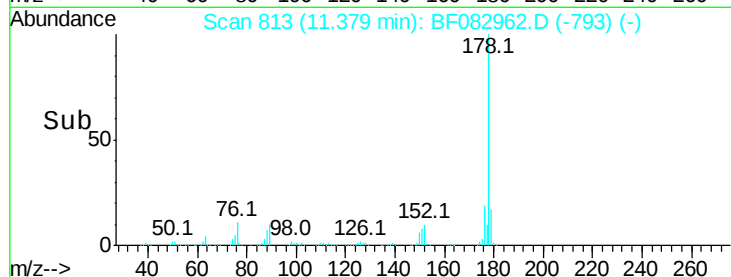
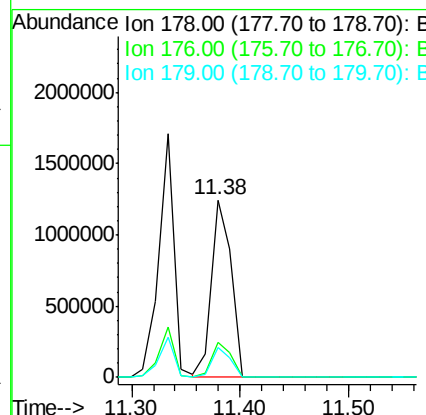
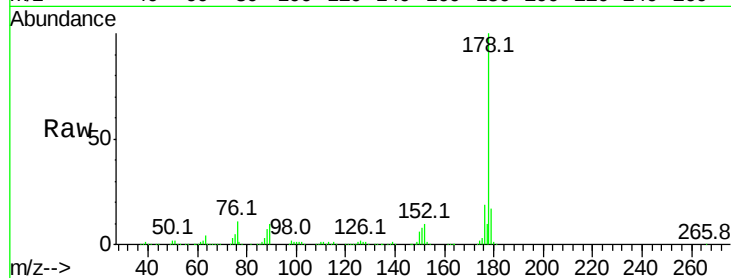
#71
 Anthracene
 Concen: 29.63 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion:178 Resp: 1588360
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.5 24.7
 179 16.5 13.2 19.8

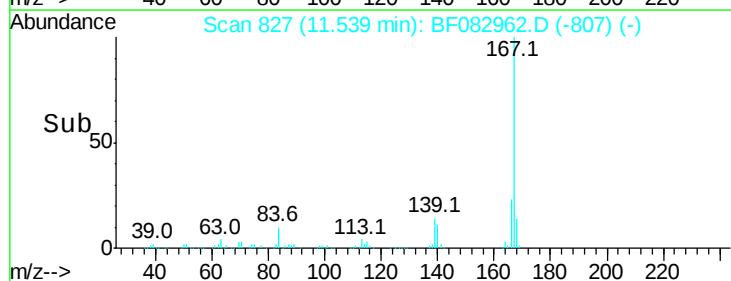
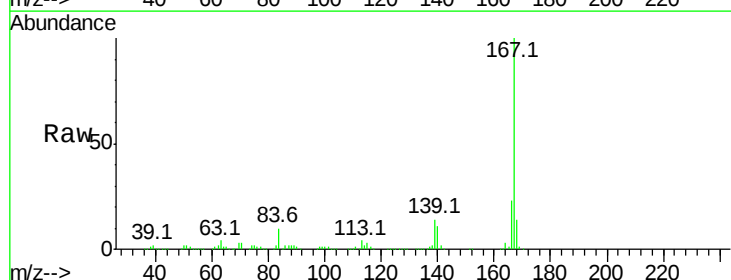
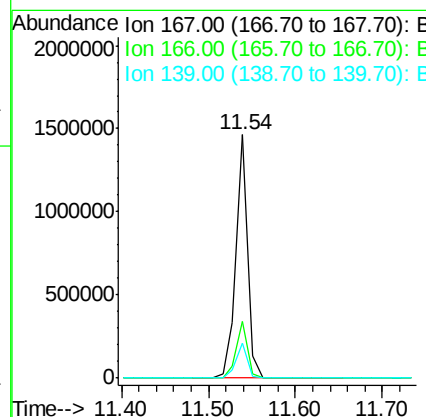
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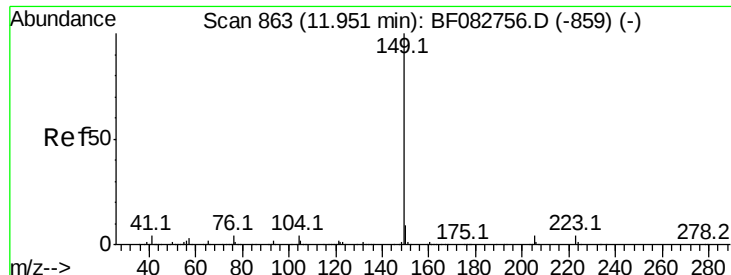
mmdadoda
 11/17/2015 5:56:16 PM



#72
 Carbazole
 Concen: 28.70 ng
 RT: 11.54 min Scan# 827
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion:167 Resp: 1346793
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.7 28.1
 139 14.2 11.8 17.6





#73

Di-n-butylphthalate

Concen: 33.49 ng

RT: 11.88 min Scan# 857

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion:149 Resp: 1957944

Ion Ratio Lower Upper

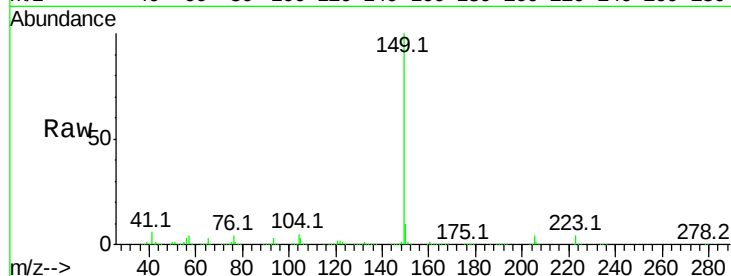
149 100

150 9.7 8.1 12.1

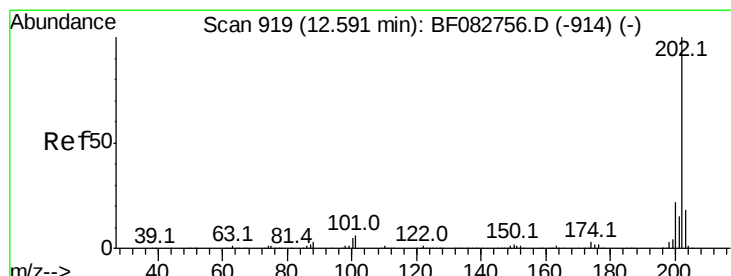
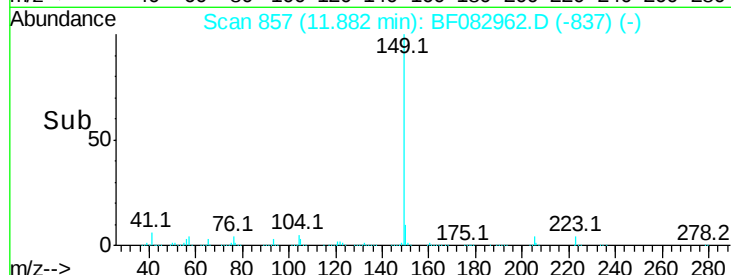
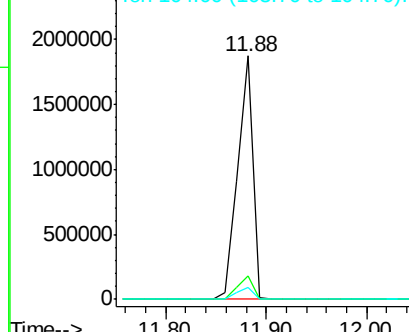
104 4.8 5.2 7.8#

Manual Integrations
APPROVED

mmdadoda
11/17/2015 5:56:16 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 30.32 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.08 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

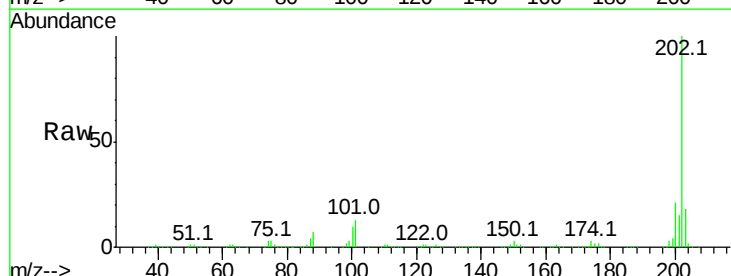
Tgt Ion:202 Resp: 1655734

Ion Ratio Lower Upper

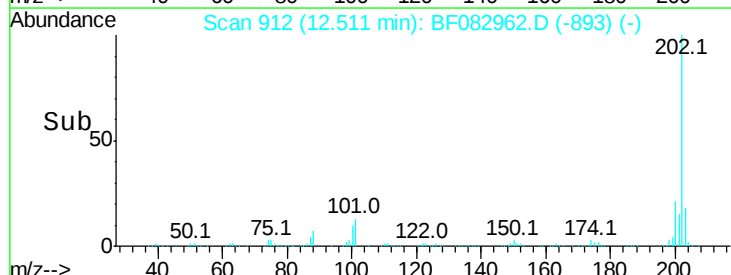
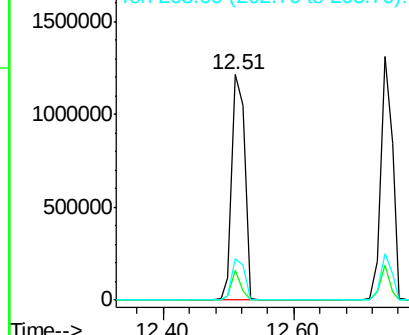
202 100

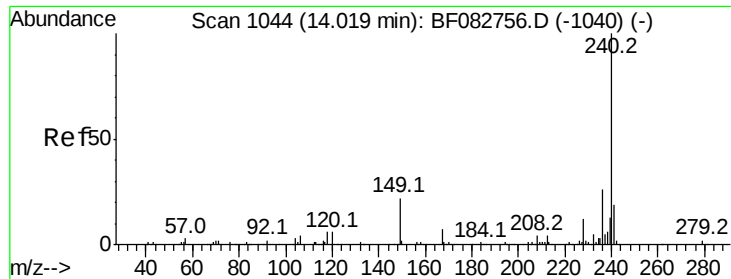
101 13.1 0.0 30.5

203 18.3 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





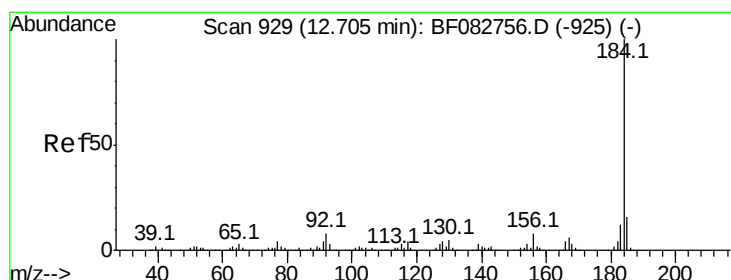
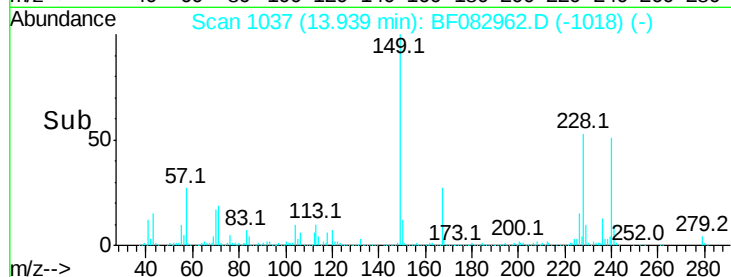
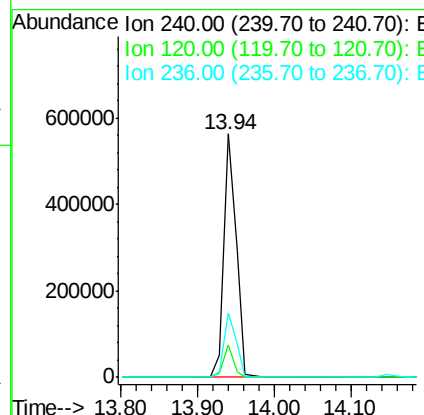
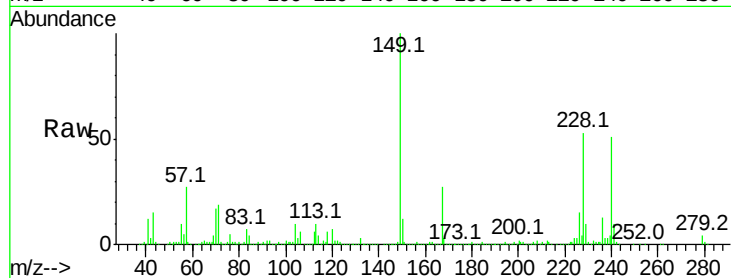
#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.08 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.1	10.9	16.3	
236	26.3	21.6	32.4	

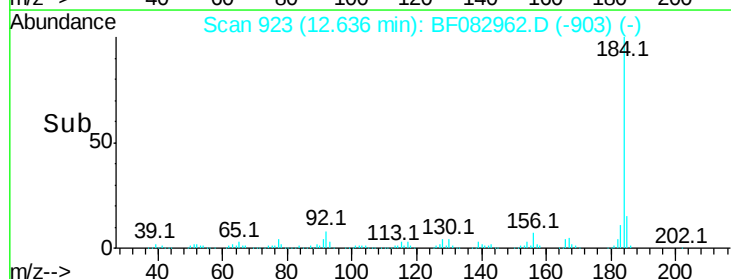
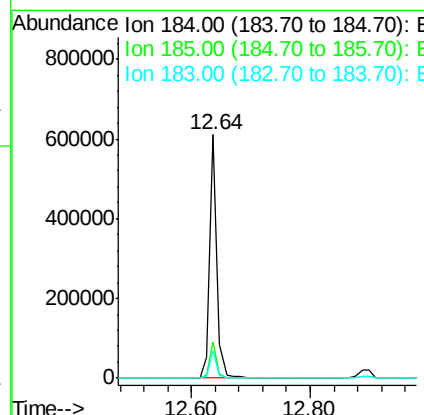
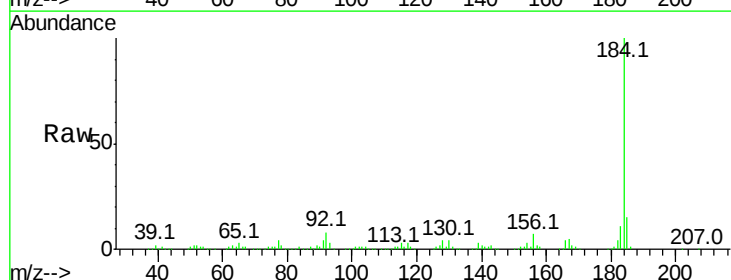
Manual Integrations
 APPROVED

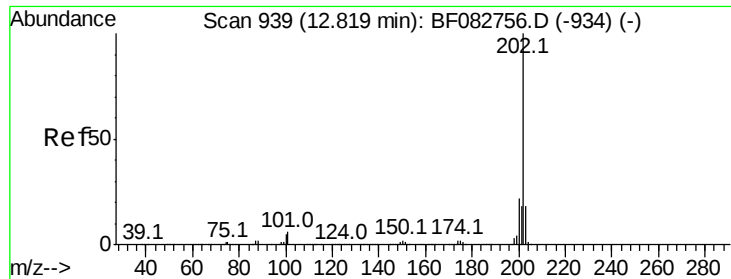
mmdadoda
 11/17/2015 5:56:16 PM



#76
 Benzidine
 Concen: 25.00 ng
 RT: 12.64 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	15.1	12.0	18.0	
183	11.3	9.6	14.4	





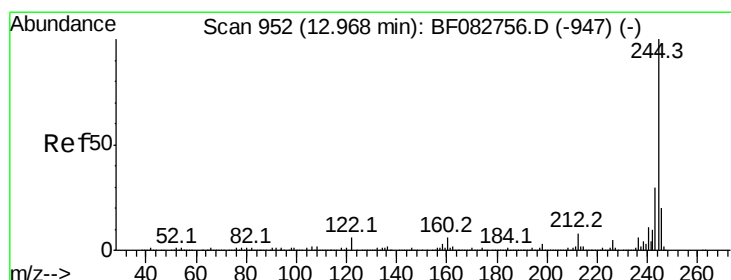
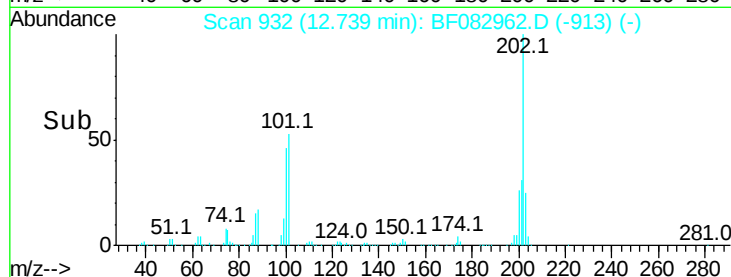
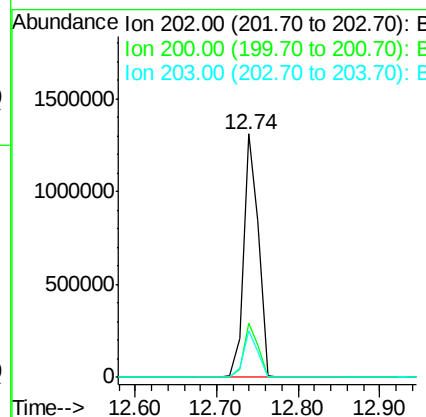
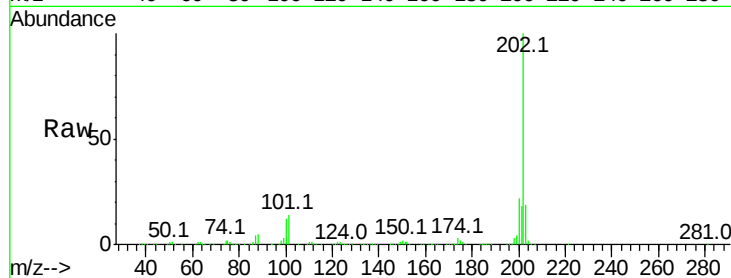
#77
Pvrene
Concen: 37.53 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.08 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion:202 Resp: 1639338
Ion Ratio Lower Upper
202 100
200 22.4 18.7 28.1
203 19.1 14.8 22.2

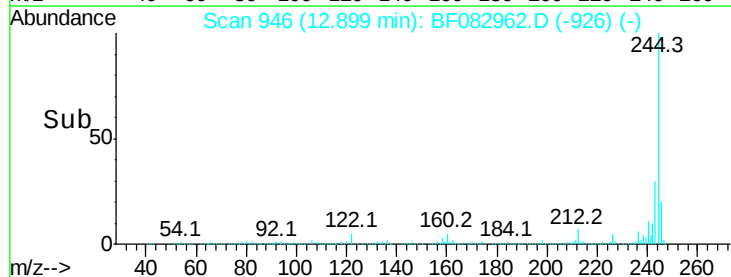
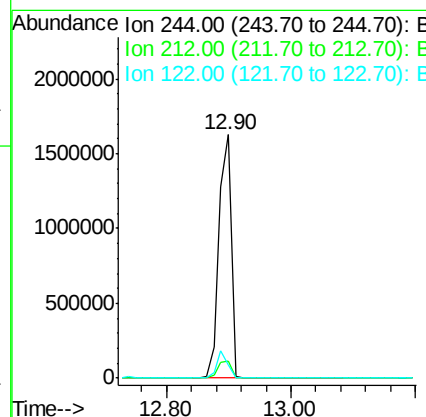
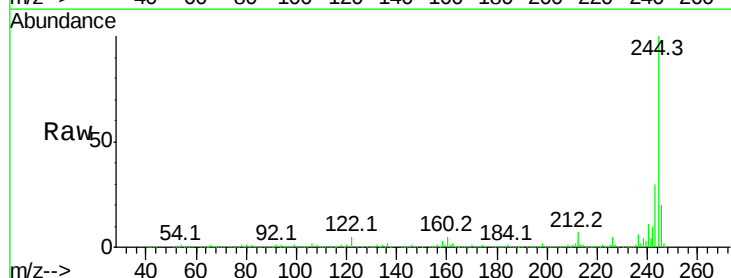
Manual Integrations
APPROVED

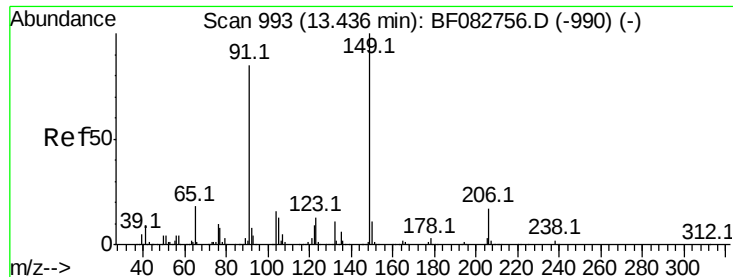
mmdadoda
11/17/2015 5:56:16 PM



#78
Terphenyl-d14
Concen: 80.28 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.07 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion:244 Resp: 2152535
Ion Ratio Lower Upper
244 100
212 7.0 7.6 11.4#
122 5.4 11.3 16.9#





#79

Butylbenzylphthalate

Concen: 39.14 ng

RT: 13.37 min Scan# 987

Delta R.T. -0.07 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

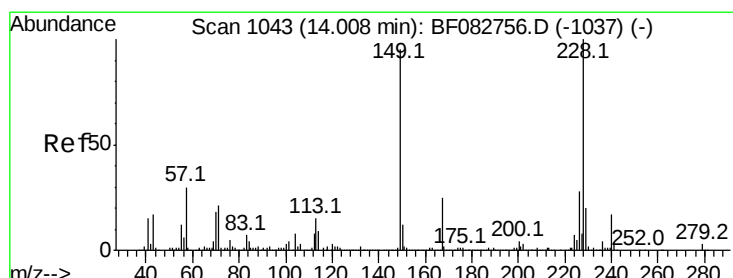
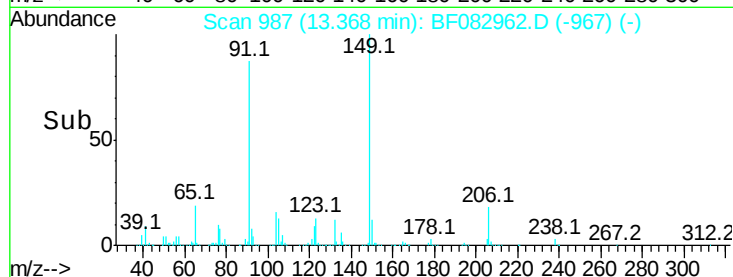
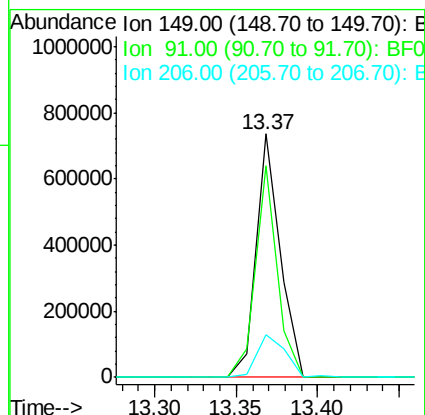
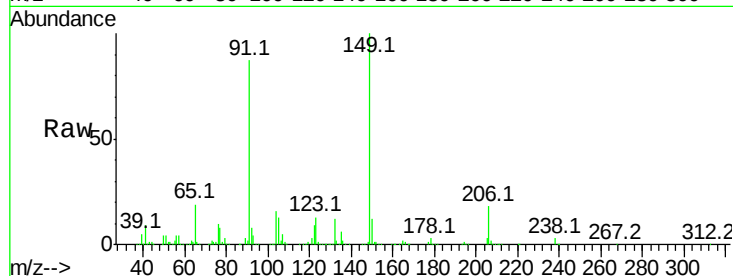
ClientSampleId :

PB86680BSD

Tot Ion:	149	Resp:	755260
Ion Ratio	Lower	Upper	
149	100		
91	86.9	67.7	101.5
206	17.7	14.6	22.0

Manual Integrations
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mmdadoda
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#80

Benzo(a)anthracene

Concen: 35.83 ng

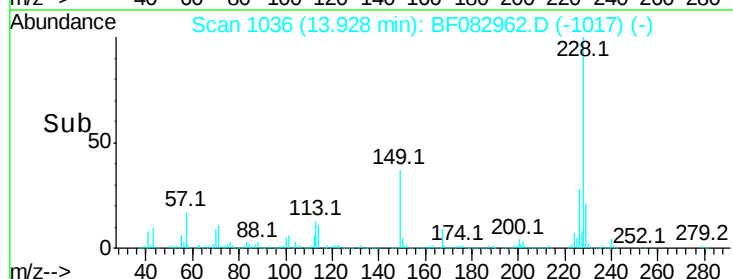
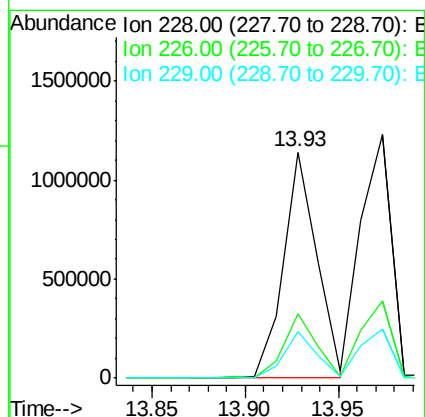
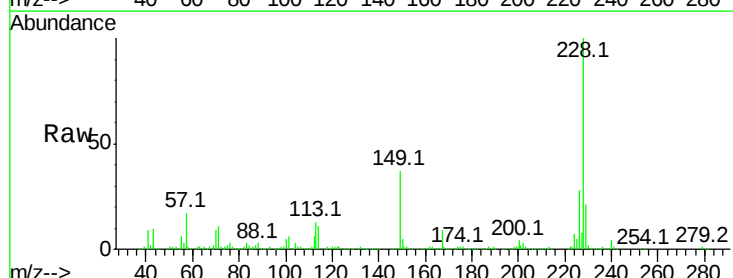
RT: 13.93 min Scan# 1036

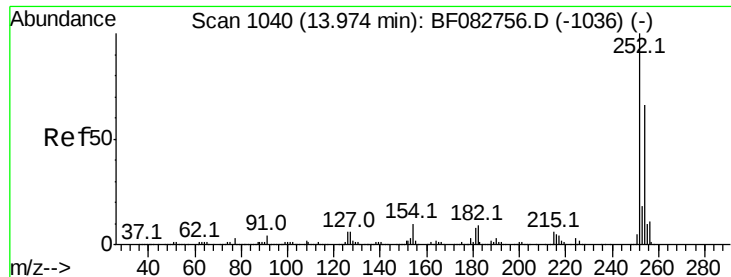
Delta R.T. -0.08 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Tgt Ion:	228	Resp:	1424860
Ion Ratio	Lower	Upper	
228	100		
226	28.3	23.4	35.2
229	20.6	16.3	24.5





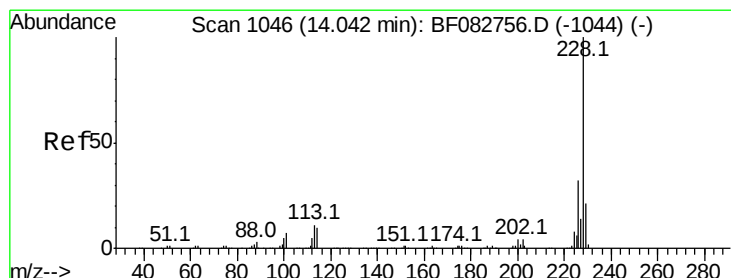
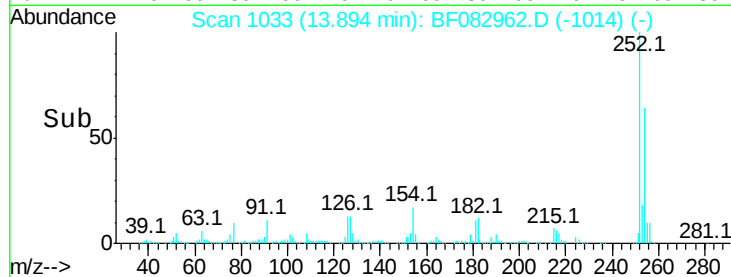
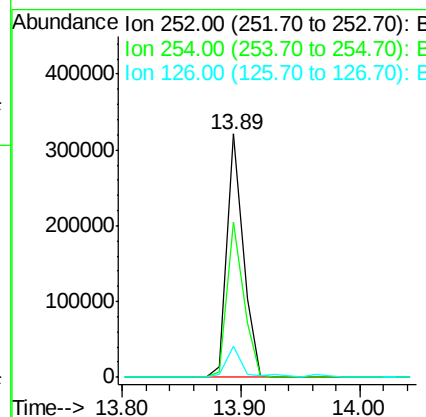
#81
 3,3'-Dichlorobenzidine
 Concen: 21.55 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.08 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	304660		
254	63.9	51.4	77.0	
126	12.6	10.7	16.1	

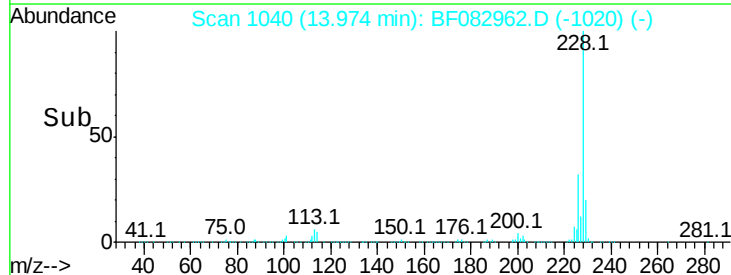
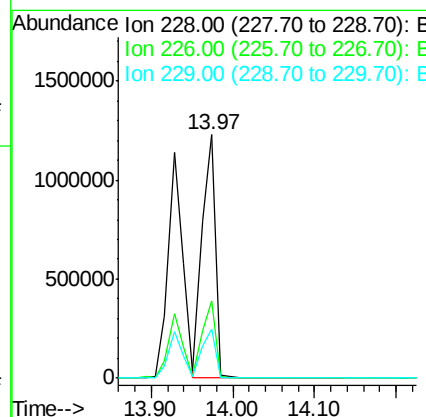
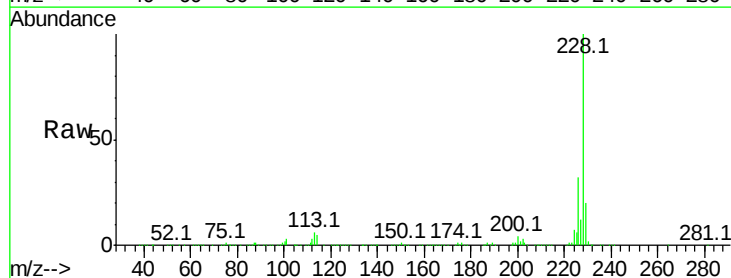
Manual Integrations
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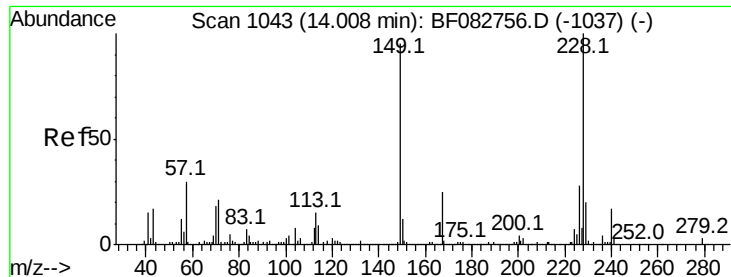
mmdadoda
 11/17/2015 5:56:16 PM



#82
 Chrysene
 Concen: 38.84 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1414979		
226	31.7	25.5	38.3	
229	20.3	16.3	24.5	





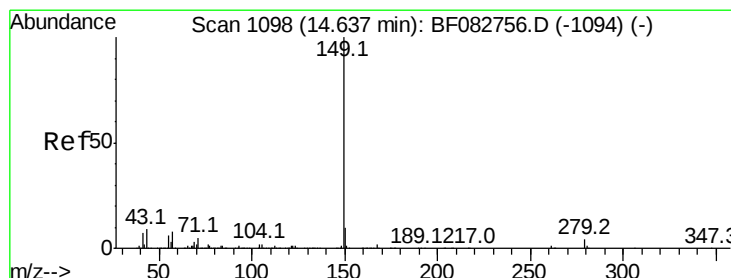
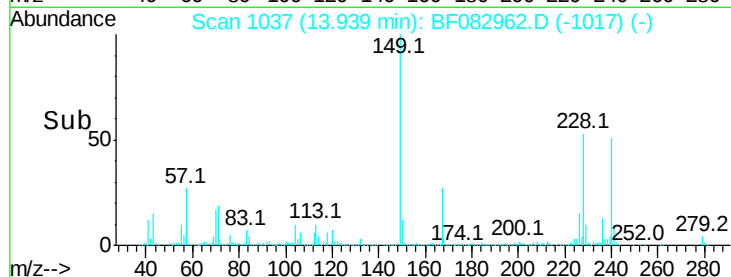
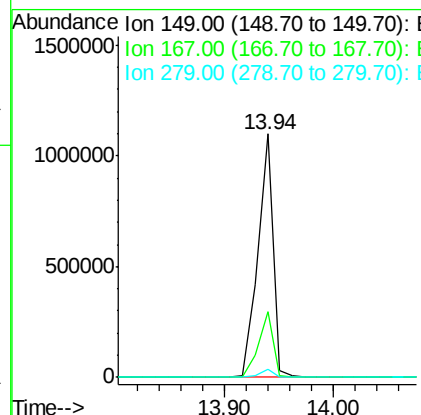
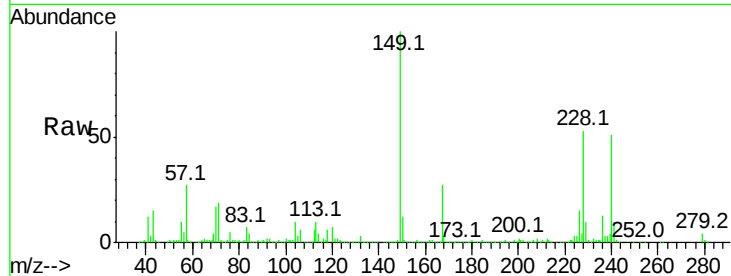
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.57 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.07 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion:149 Resp: 1071531
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.2 31.8
 279 3.6 2.2 3.2#

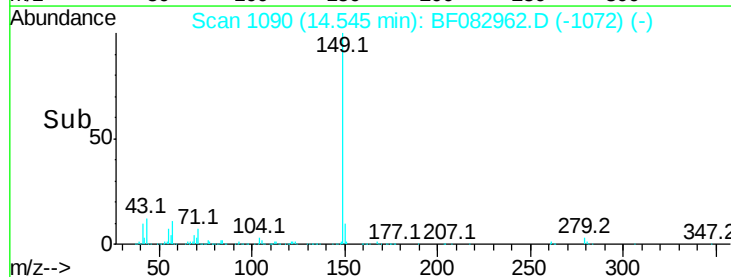
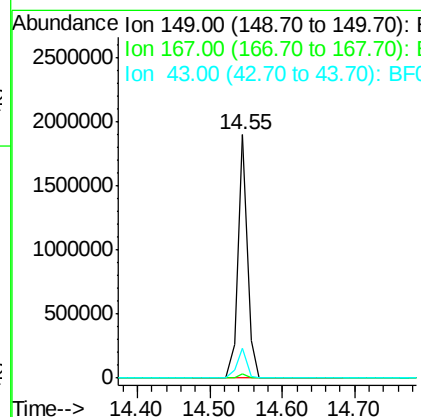
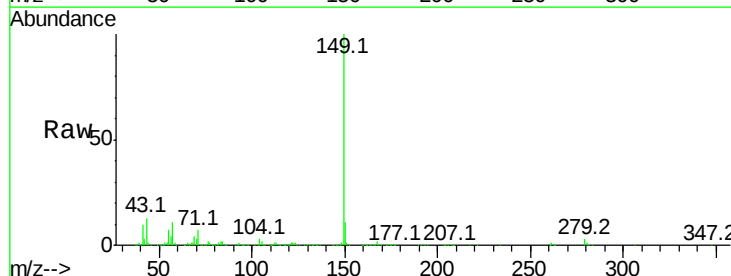
Manual Integrations
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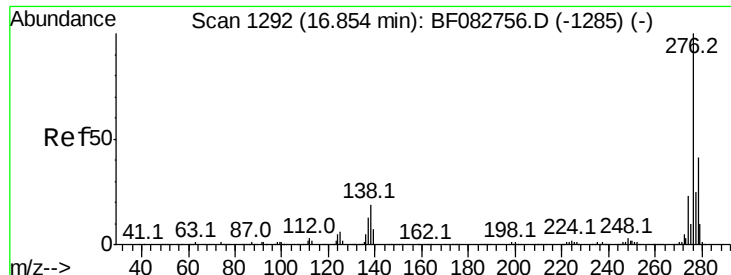
mmdadoda
 11/17/2015 5:56:16 PM



#84
 Di-n-octyl phthalate
 Concen: 38.47 ng
 RT: 14.55 min Scan# 1090
 Delta R.T. -0.09 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Tgt Ion:149 Resp: 1694920
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 12.6 10.1 15.1





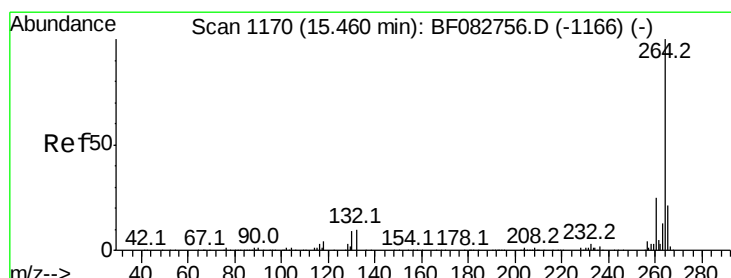
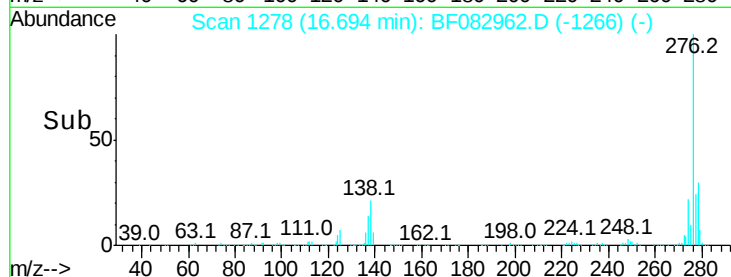
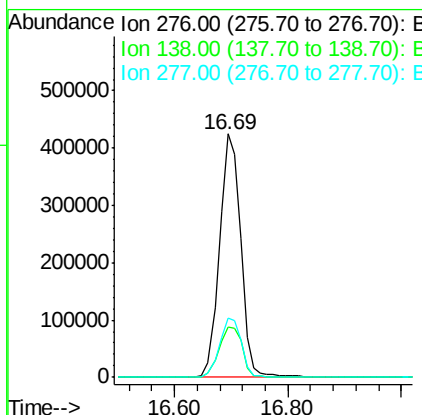
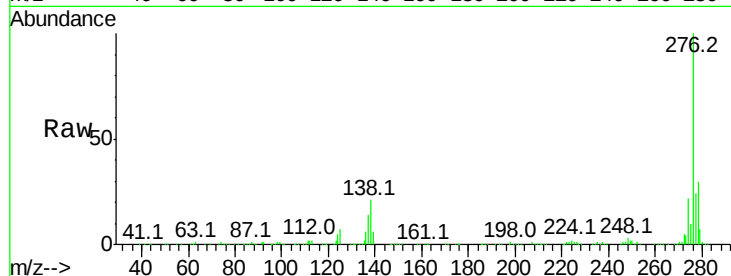
#85
Indeno(1,2,3-cd)pyrene
Concen: 35.37 ng
RT: 16.69 min Scan# 1278
Delta R.T. -0.16 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	15.3	22.9
277	25.1	20.2	30.4

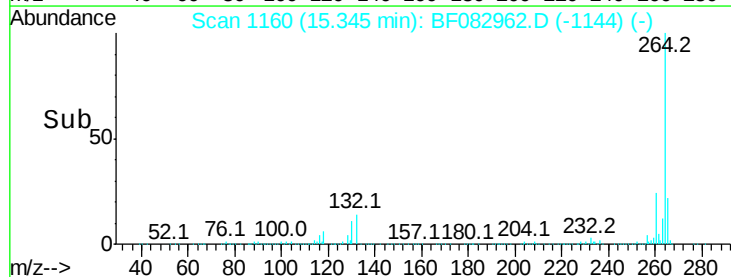
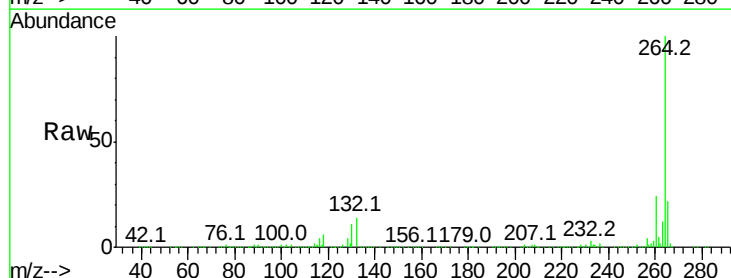
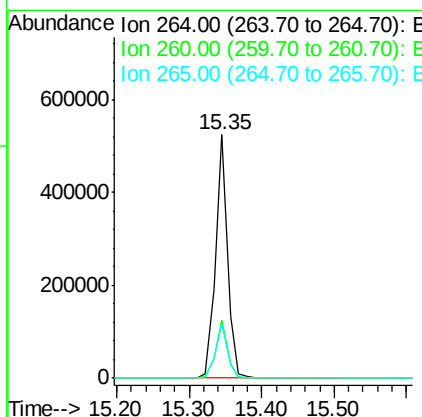
Manual Integrations
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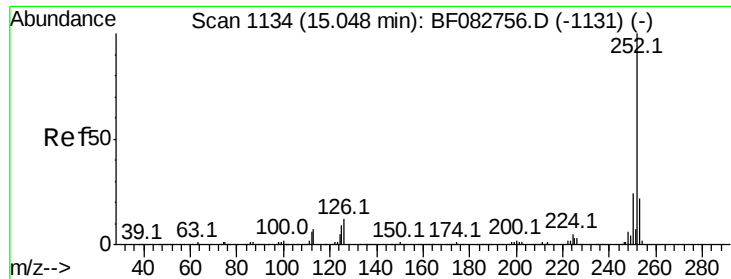
mmdadoda
11/17/2015 5:56:16 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.11 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	22.1	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 37.91 ng m

RT: 14.95 min Scan# 1125

Delta R.T. -0.10 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

Instrument :

BNA_F

ClientSampleId :

PB86680BSD

Tot Ion:252 Resp: 1468259

Ion Ratio Lower Upper

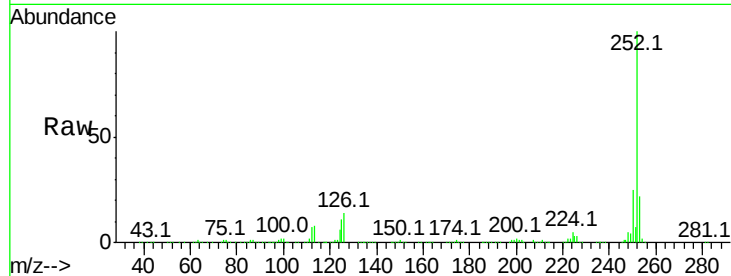
252 100

253 22.3 17.8 26.8

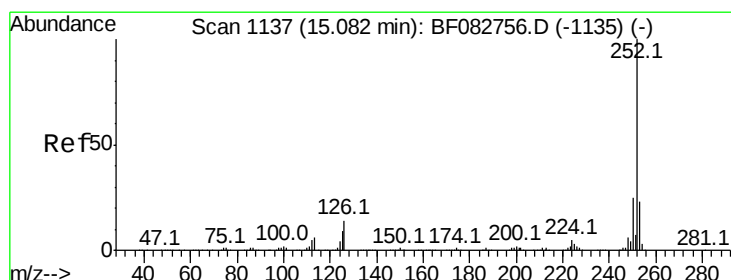
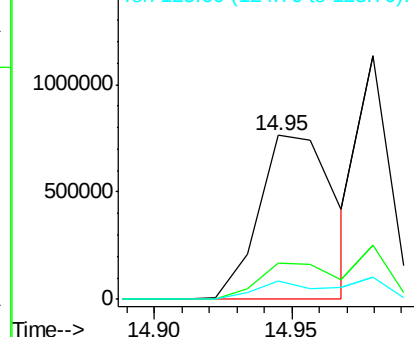
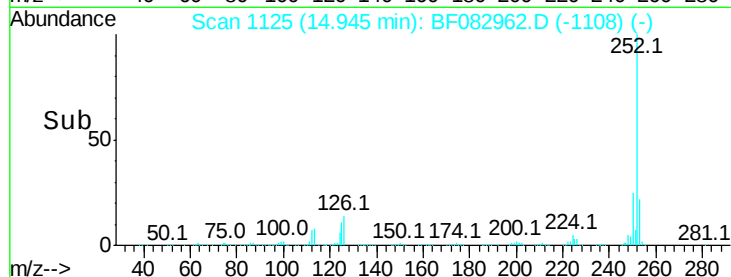
125 10.8 5.4 8.2#

Manual Integrations
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mmdadoda
11/17/2015 5:56:16 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: 26.90 ng m

RT: 14.98 min Scan# 1128

Delta R.T. -0.10 min

Lab File: BF082962.D

Acq: 17 Nov 2015 2:46

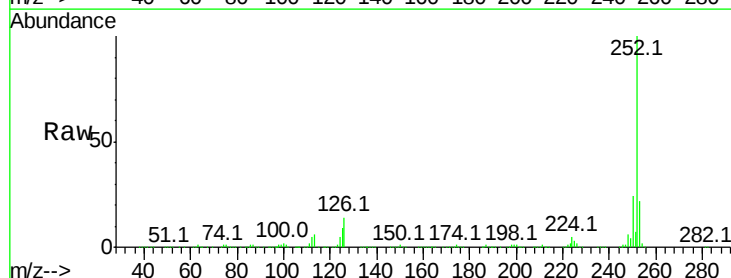
Tgt Ion:252 Resp: 924225

Ion Ratio Lower Upper

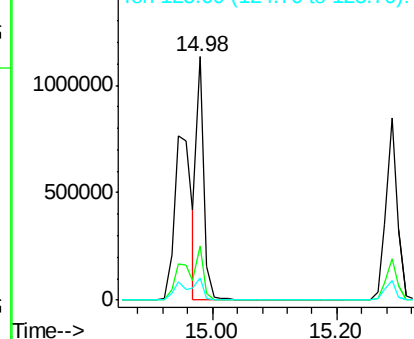
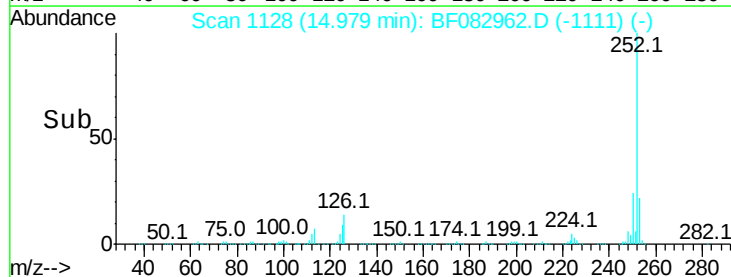
252 100

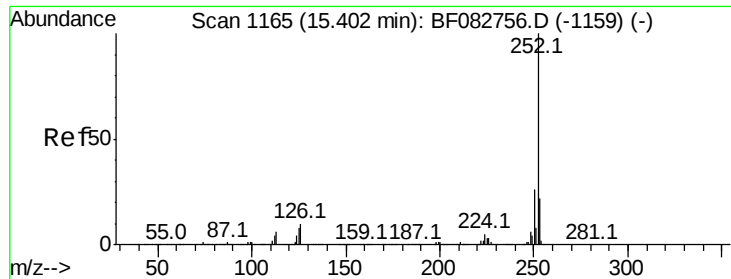
253 22.3 17.9 26.9

125 9.2 3.5 5.3#



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





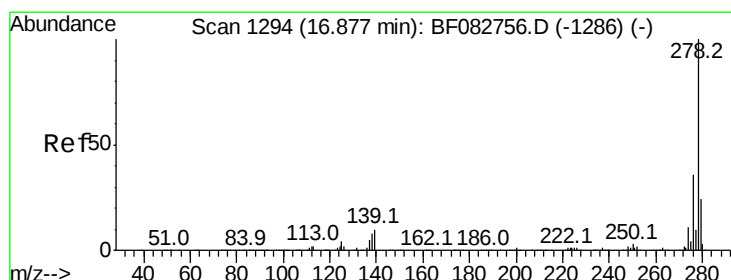
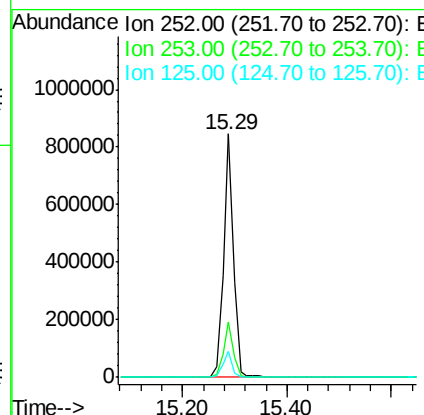
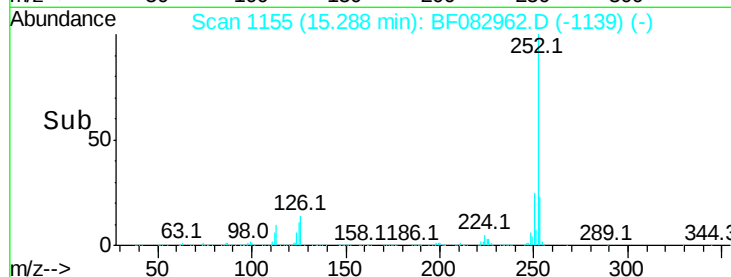
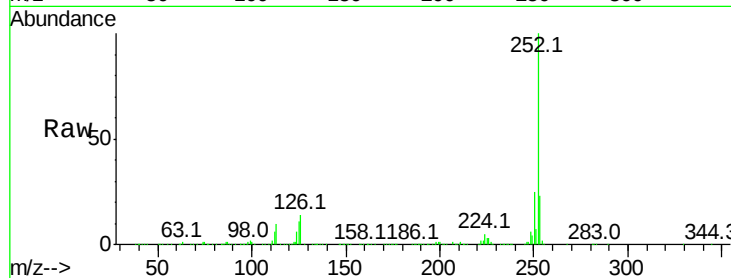
#89
Benzo(a)pyrene
Concen: 32.93 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.11 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Instrument :
BNA_F
ClientSampleId :
PB86680BSD

Tot Ion:252 Resp: 1104855
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 10.9 7.1 10.7#

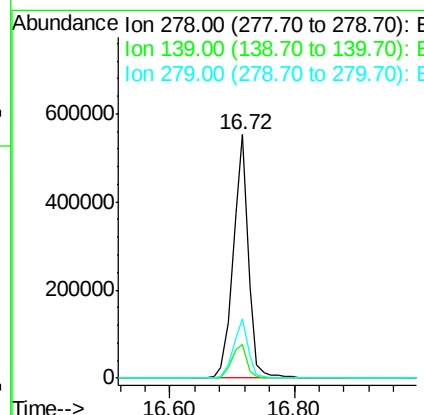
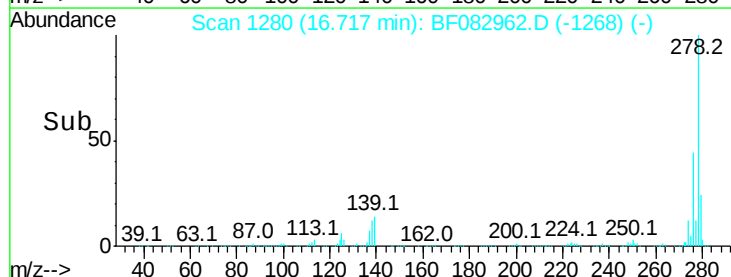
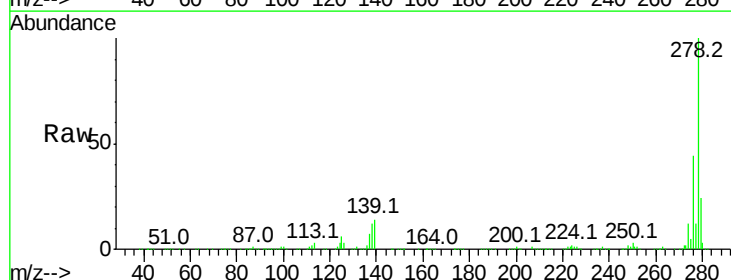
Manual Integrations
APPROVED

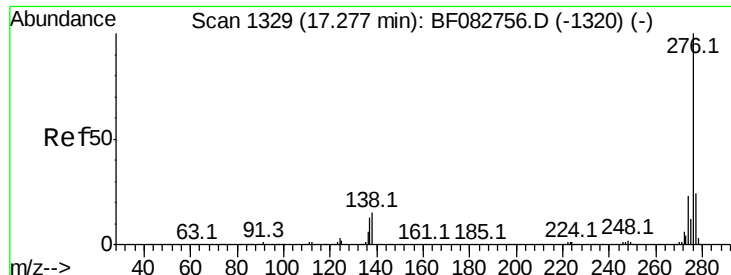
mmdadoda
11/17/2015 5:56:16 PM



#90
Dibenzo(a,h)anthracene
Concen: 32.87 ng
RT: 16.72 min Scan# 1280
Delta R.T. -0.16 min
Lab File: BF082962.D
Acq: 17 Nov 2015 2:46

Tgt Ion:278 Resp: 933806
Ion Ratio Lower Upper
278 100
139 13.6 9.9 14.9
279 24.2 19.6 29.4





#91
 Benzo(a,h,i)perylene
 Concen: 33.04 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. -0.17 min
 Lab File: BF082962.D
 Acq: 17 Nov 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 PB86680BSD

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.6	19.2	28.8
138	19.8	13.1	19.7

Manual Integrations
 APPROVED

mmdadoda
 11/17/2015 5:56:16 PM

