

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110715\
 Data File : BF082769.D
 Acq On : 6 Nov 2015 19:00
 Operator : UM/IZ
 Sample : PB86421BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 2:10:29 PM

Quant Time: Nov 07 03:22:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	252952	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	575037	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	325241	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	915511	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	703588	20.00	ng	-0.01
86) Perylene-d12	15.44	264	707304	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1581970	97.31	ng	0.01
7) Phenol-d6	6.49	99	1924110	89.03	ng	0.01
23) Nitrobenzene-d5	7.41	82	1524200	115.33	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	591806	158.69	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1863132	82.10	ng	0.00
78) Terphenyl-d14	12.96	244	2473570	83.38	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	232498	33.14	ng	97
3) Pyridine	3.23	79	735238	36.12	ng	94
4) n-Nitrosodimethylamine	3.17	42	328193	32.51	ng	# 72
6) Aniline	6.51	93	486413	16.03	ng	97
8) 2-Chlorophenol	6.64	128	559065	31.02	ng	89
9) Benzaldehyde	6.38	77	62878	5.27	ng	90
10) Phenol	6.50	94	751540	30.65	ng	94
11) bis(2-Chloroethyl)ether	6.59	93	634894	34.62	ng	# 83
12) 1,3-Dichlorobenzene	6.80	146	696333	34.26	ng	# 81
13) 1,4-Dichlorobenzene	6.86	146	696334	32.93	ng	97
14) 1,2-Dichlorobenzene	7.02	146	697231	36.25	ng	98
15) Benzyl Alcohol	6.99	79	623585	32.85	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.14	45	1107579	41.17	ng	96
17) 2-Methylphenol	7.10	107	582626	38.17	ng	97
18) Hexachloroethane	7.37	117	262366	34.69	ng	93
19) n-Nitroso-di-n-propylamine	7.26	70	537844	33.85	ng	90
20) 3+4-Methylphenols	7.26	107	717841	36.17	ng	95
22) Acetophenone	7.26	105	949721	57.64	ng	# 92
24) Nitrobenzene	7.44	77	815402	60.33	ng	97
25) Isophorone	7.68	82	1252080	51.20	ng	97
26) 2-Nitrophenol	7.76	139	256376	45.45	ng	# 57
27) 2,4-Dimethylphenol	7.79	122	424892	41.92	ng	97
28) bis(2-Chloroethoxy)methane	7.89	93	574486	41.65	ng	99
29) 2,4-Dichlorophenol	8.00	162	404704	44.18	ng	95
30) 1,2,4-Trichlorobenzene	8.08	180	379155	36.80	ng	98
31) Naphthalene	8.16	128	1147370	36.16	ng	99
32) Benzoic acid	7.92	122	265224	38.22	ng	92
33) 4-Chloroaniline	8.20	127	173173	12.67	ng	93
34) Hexachlorobutadiene	8.28	225	242927	37.68	ng	99
35) Caprolactam	8.57	113	139205m	48.20	ng	
36) 4-Chloro-3-methylphenol	8.69	107	426538	39.59	ng	91
37) 2-Methylnaphthalene	8.85	142	869926	42.39	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	413606	38.70	ng	98
40) Hexachlorocyclopentadiene	9.01	237	522635	91.02	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	286755	35.94	nq	98
43) 2,4,5-Trichlorophenol	9.17	196	294368	37.31	nq	# 87
45) 1,1'-Biphenyl	9.32	154	1006660	36.07	nq	97
46) 2-Chloronaphthalene	9.33	162	806246	37.04	nq	93
47) 2-Nitroaniline	9.42	65	300129	37.16	nq	92
48) Acenaphthylene	9.76	152	1336194	39.16	nq	99
49) Dimethylphthalate	9.62	163	983050	36.89	nq	99
50) 2,6-Dinitrotoluene	9.68	165	228512	40.19	nq	92
51) Acenaphthene	9.93	154	1006451	46.54	nq	99
52) 3-Nitroaniline	9.84	138	100211	16.03	nq	91
53) 2,4-Dinitrophenol	9.95	184	279986	89.69	nq	# 20
54) Dibenzofuran	10.10	168	1213539	41.63	nq	93
55) 4-Nitrophenol	10.01	139	337784	70.41	nq	# 86
56) 2,4-Dinitrotoluene	10.08	165	262238	33.99	nq	# 92
57) Fluorene	10.44	166	1356783	57.47	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.21	232	327490	50.85	nq	# 90
59) Diethylphthalate	10.32	149	1415554	54.41	nq	98
60) 4-Chlorophenyl-phenylether	10.43	204	596969	50.53	nq	# 84
61) 4-Nitroaniline	10.45	138	305436	48.57	nq	# 78
62) Azobenzene	10.59	77	1664009	59.54	nq	92
64) 4,6-Dinitro-2-methylphenol	10.49	198	284086	43.56	nq	98
65) n-Nitrosodiphenylamine	10.56	169	1260247	38.10	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	401759	36.44	nq	# 81
67) Hexachlorobenzene	10.99	284	444230	36.09	nq	# 76
68) Atrazine	11.08	200	418186	40.89	nq	96
69) Pentachlorophenol	11.18	266	584397	78.18	nq	99
70) Phenanthrene	11.40	178	2096572	39.43	nq	99
71) Anthracene	11.45	178	1875608	33.49	nq	99
72) Carbazole	11.60	167	1879264	38.33	nq	98
73) Di-n-butylphthalate	11.94	149	2137732	35.00	nq	99
74) Fluoranthene	12.58	202	2058682	36.08	nq	95
76) Benzidine	12.71	184	620405	26.31	nq	98
77) Pyrene	12.81	202	2078279	43.01	nq	99
79) Butylbenzylphthalate	13.44	149	943254	44.19	nq	99
80) Benzo(a)anthracene	14.00	228	1840327	41.83	nq	99
81) 3,3'-Dichlorobenzidine	13.96	252	426330	27.26	nq	# 98
82) Chrysene	14.04	228	1876901	46.58	nq	100
83) Bis(2-ethylhexyl)phthalate	14.01	149	1302480	44.58	nq	# 97
84) Di-n-octyl phthalate	14.61	149	2162340	44.37	nq	98
85) Indeno(1,2,3-cd)pyrene	16.82	276	1537281	44.29	nq	# 95
87) Benzo(b)fluoranthene	15.03	252	2098170m	46.21	nq	
88) Benzo(k)fluoranthene	15.06	252	1213241m	30.12	nq	
89) Benzo(a)pyrene	15.38	252	1563820	39.76	nq	98
90) Dibenzo(a,h)anthracene	16.84	278	1289720	38.72	nq	# 98
91) Benzo(g,h,i)perylene	17.24	276	1258150	39.44	nq	# 95

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

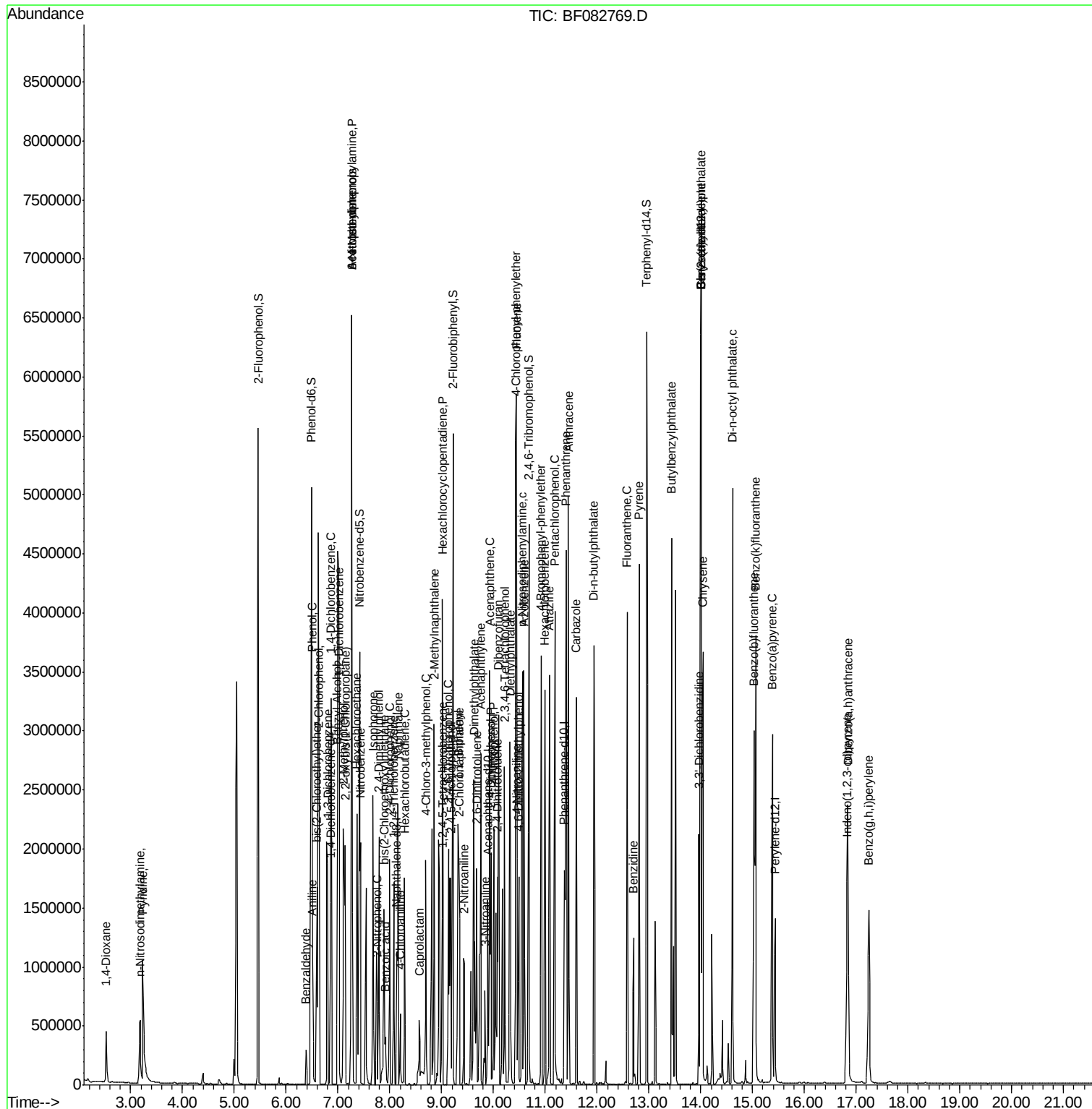
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110715\
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Sample : PB86421BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

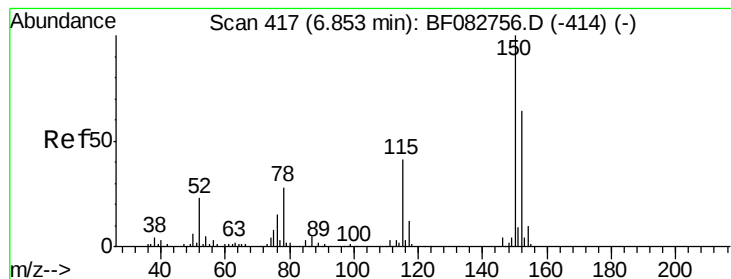
Instrument :
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ClientSampleID :
PB86421BSD

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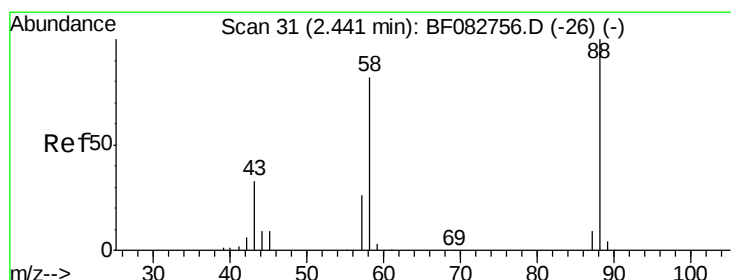
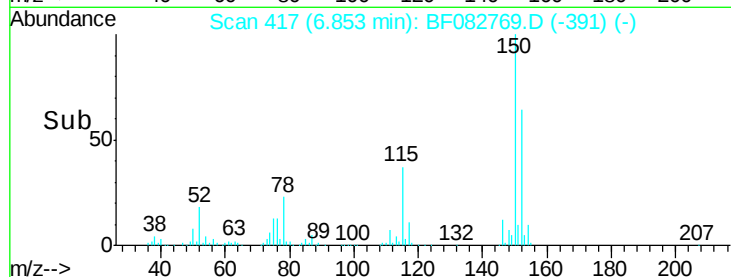
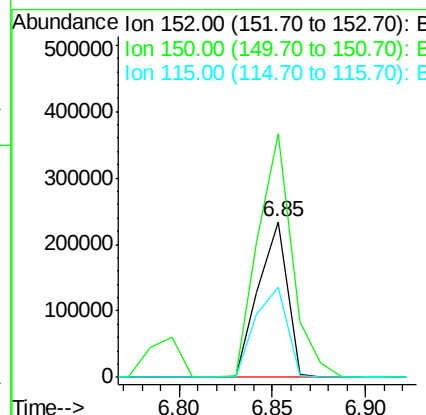
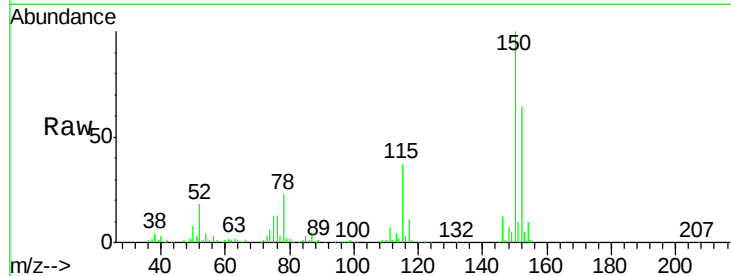
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.0	190.4
115	57.7	47.0	70.6

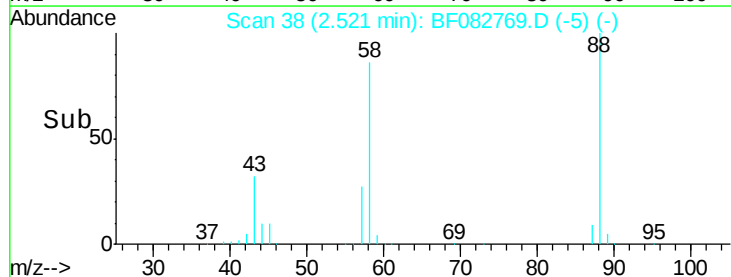
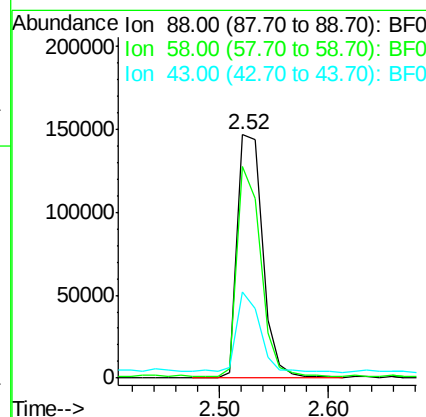
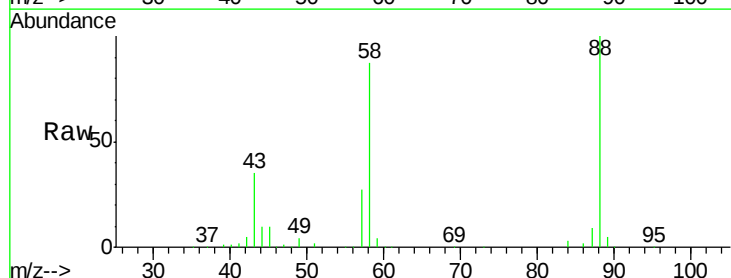
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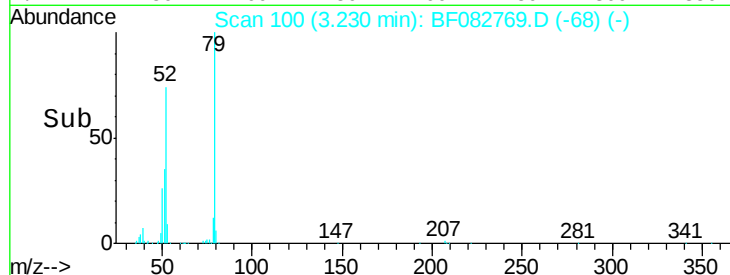
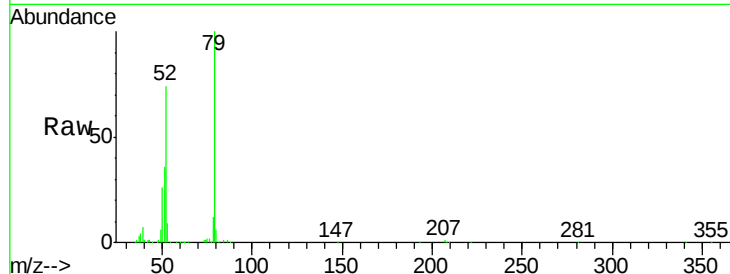
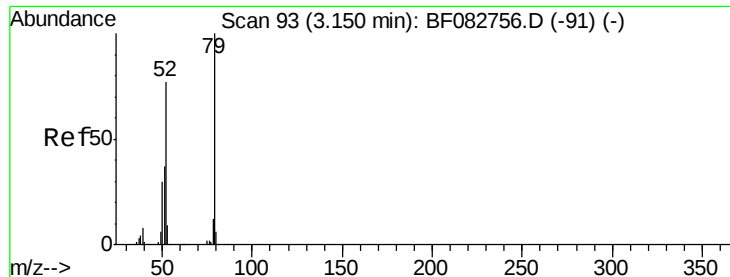
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#2
 1,4-Dioxane
 Concen: 33.14 ng
 RT: 2.52 min Scan# 38
 Delta R.T. 0.08 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.8	62.0	93.0
43	33.0	26.6	40.0





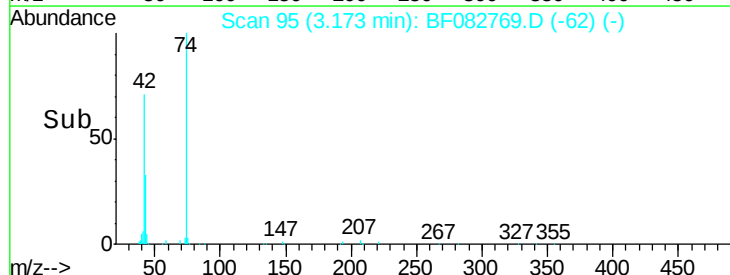
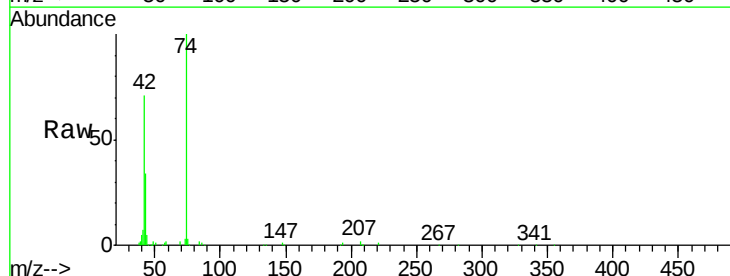
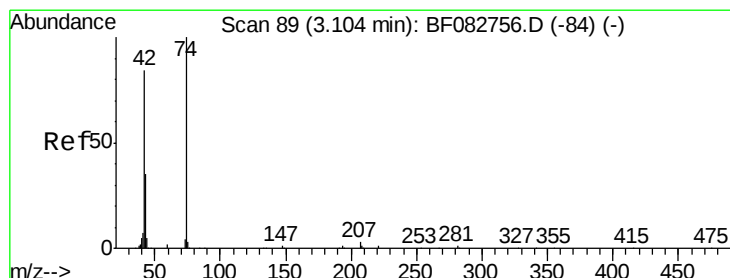
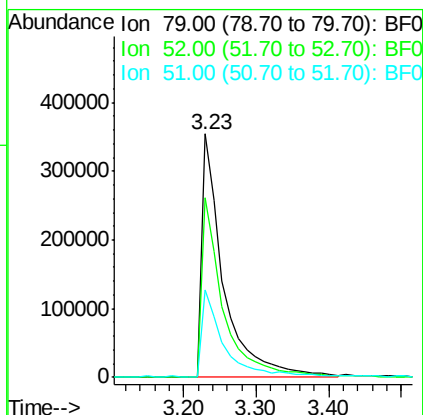
#3
Pvridine
Concen: 36.12 ng
RT: 3.23 min Scan# 100
Delta R.T. 0.07 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tot Ion:	79	Resp:	735238
Ion Ratio	Lower	Upper	
79	100		
52	73.9	62.8	94.2
51	35.9	32.0	48.0

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

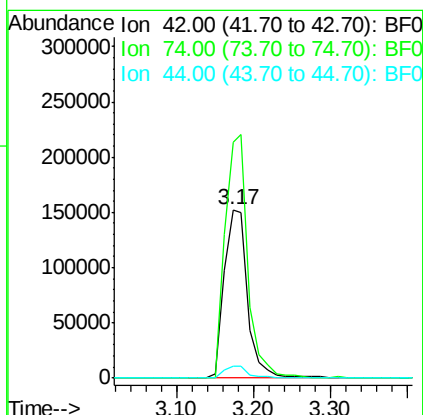
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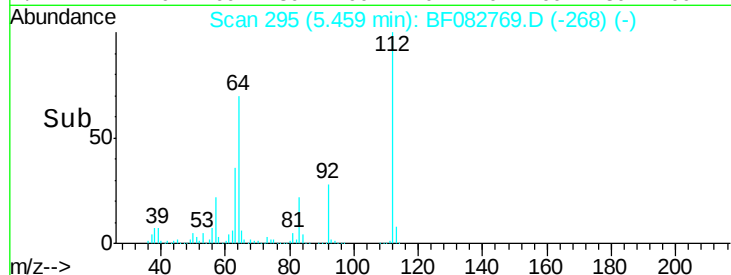
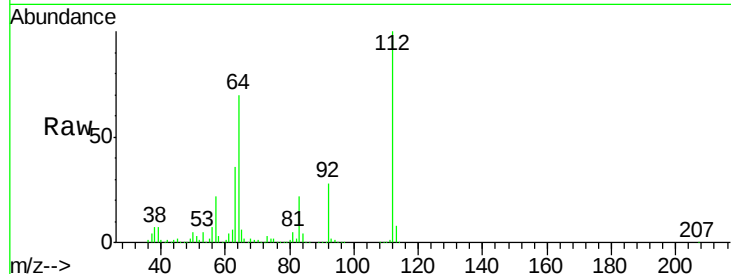
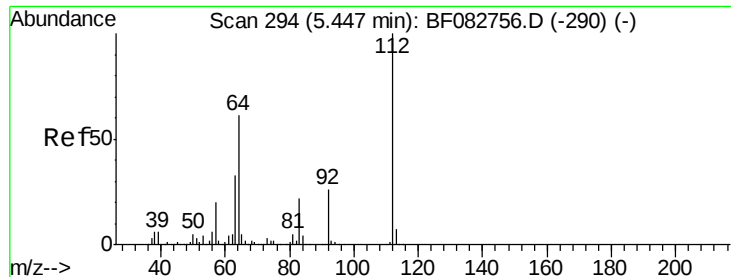
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#4
n-Nitrosodimethylamine
Concen: 32.51 ng
RT: 3.17 min Scan# 95
Delta R.T. 0.08 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion:	42	Resp:	328193
Ion Ratio	Lower	Upper	
42	100		
74	140.4	87.0	130.4#
44	7.5	5.8	8.8





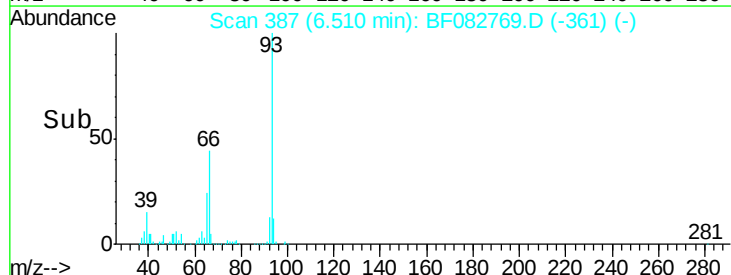
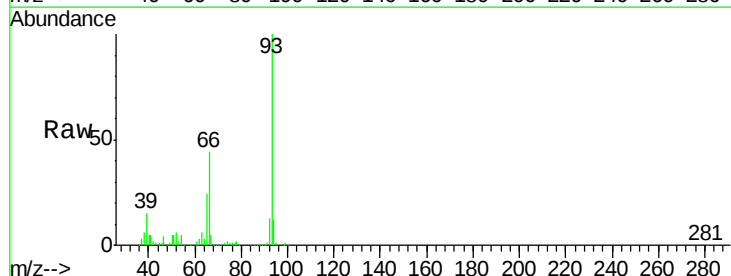
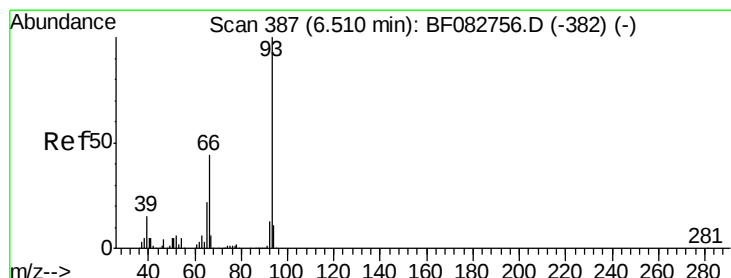
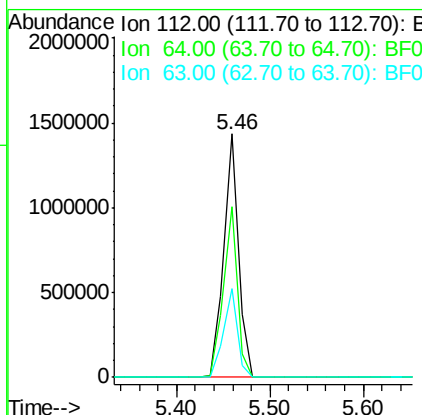
#5
2-Fluorophenol
Concen: 97.31 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tot Ion	Ratio	Resp	Lower	Upper
112	100	1581970		
64	70.0		48.9	73.3
63	36.3		28.1	42.1

Instrument :
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ClientSampleId :
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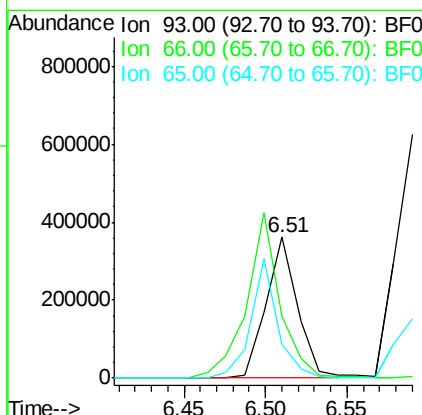
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#6
Aniline
Concen: 16.03 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	486413		
66	43.8		33.6	50.4
65	23.9		18.1	27.1





#7

Phenol-d6

Concen: 89.03 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion: 99 Resp: 1924110

Ion Ratio Lower Upper

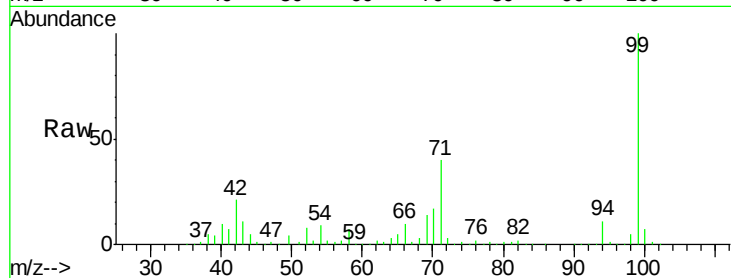
99 100

42 21.3 19.2 28.8

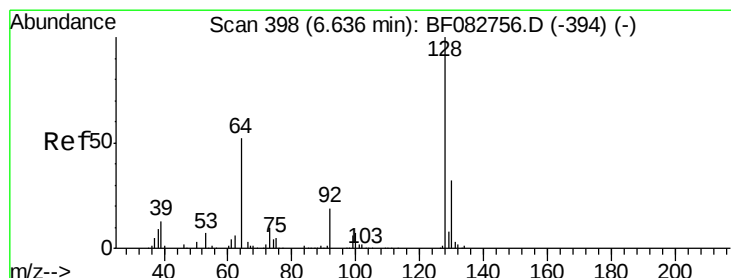
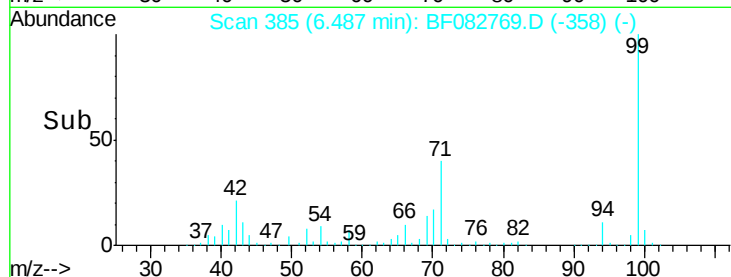
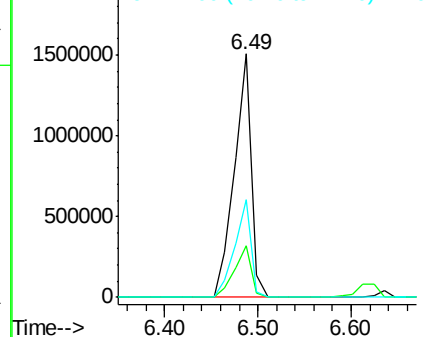
71 40.1 35.0 52.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 31.02 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

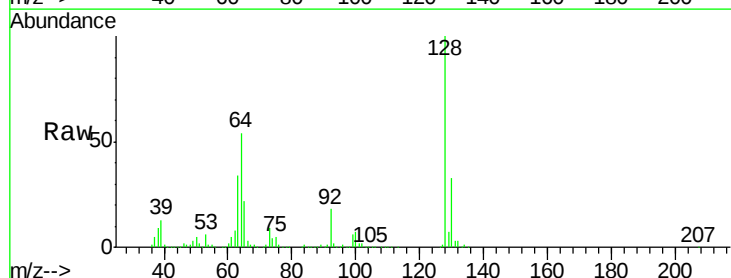
Tgt Ion: 128 Resp: 559065

Ion Ratio Lower Upper

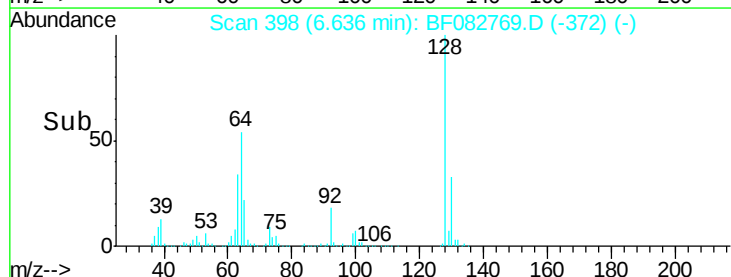
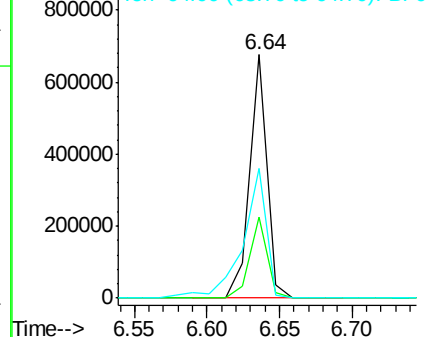
128 100

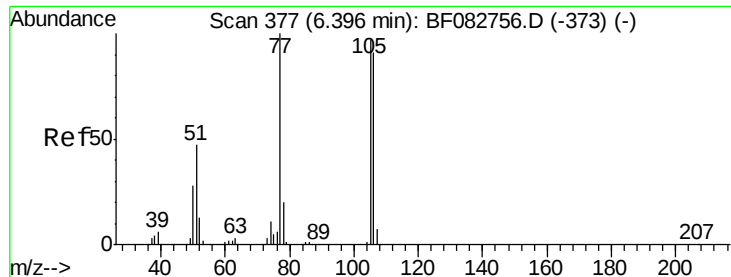
130 33.5 13.5 53.5

64 53.5 21.1 61.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 5.27 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

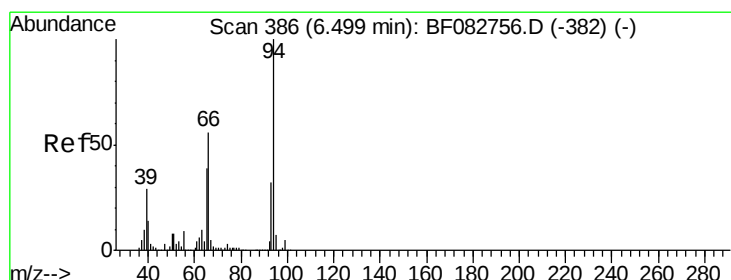
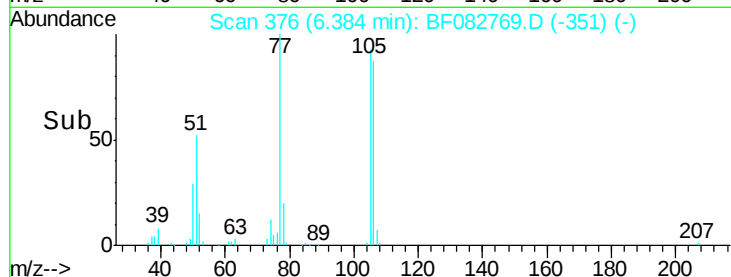
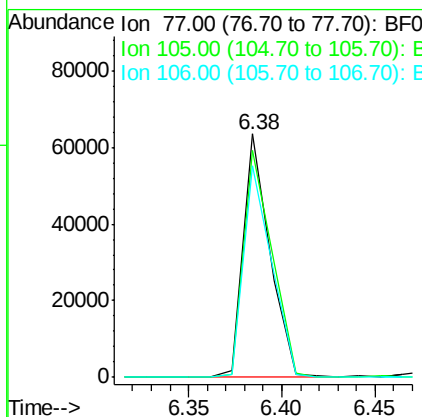
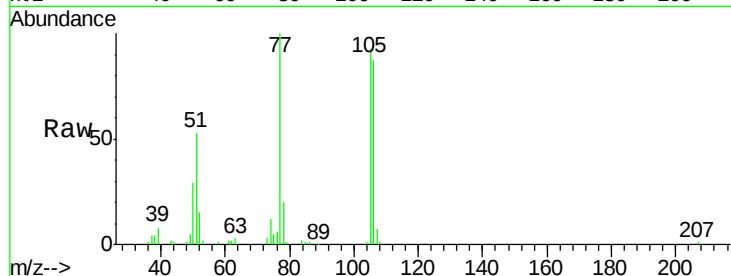
ClientSampleId :

PB86421BSD

Tot Ion:	77	Resp:	62878
Ion	Ratio	Lower	Upper
77	100		
105	93.1	63.5	103.5
106	86.9	59.3	99.3

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#10

Phenol

Concen: 30.65 ng

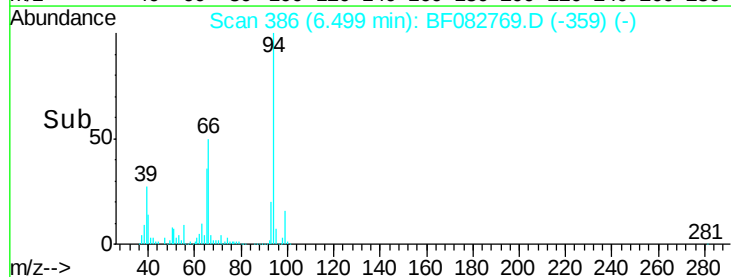
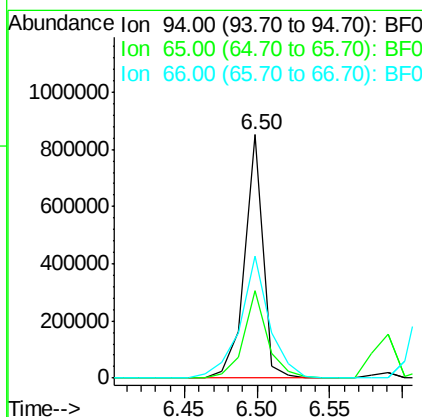
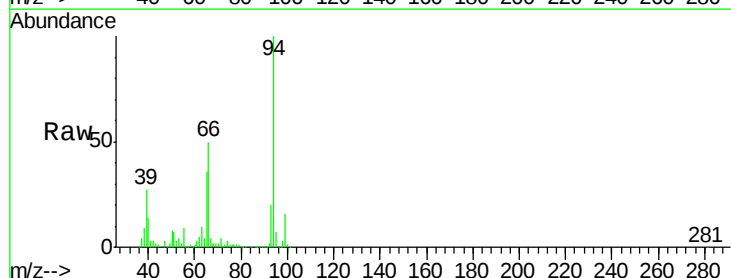
RT: 6.50 min Scan# 386

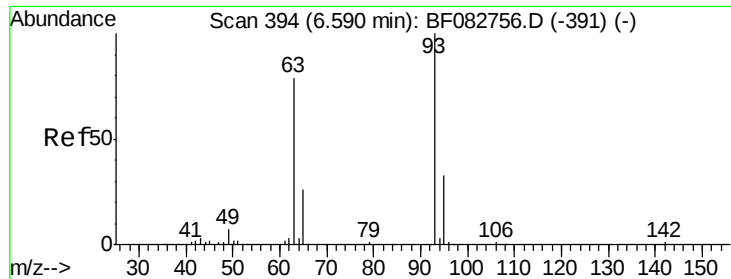
Delta R.T. 0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion:	94	Resp:	751540
Ion	Ratio	Lower	Upper
94	100		
65	35.9	18.9	58.9
66	49.9	34.9	74.9





#11

bis(2-Chloroethyl)ether

Concen: 34.62 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

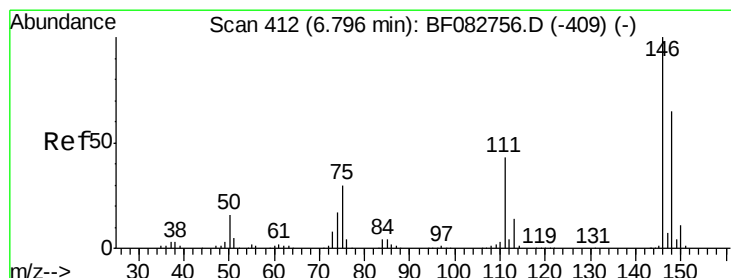
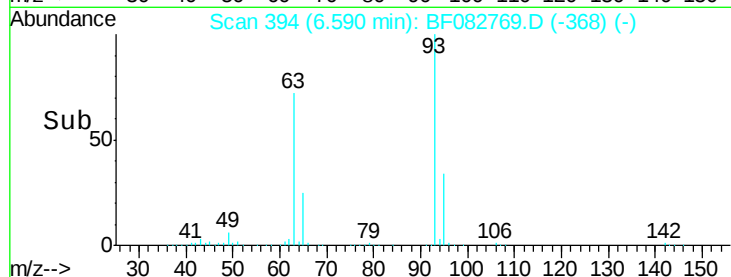
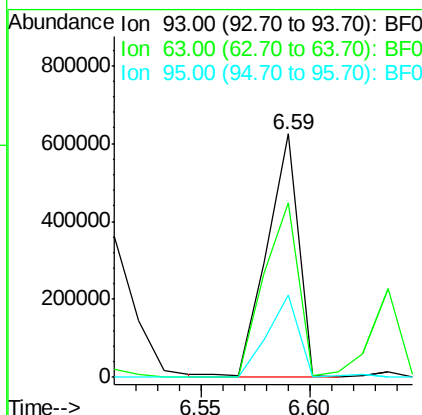
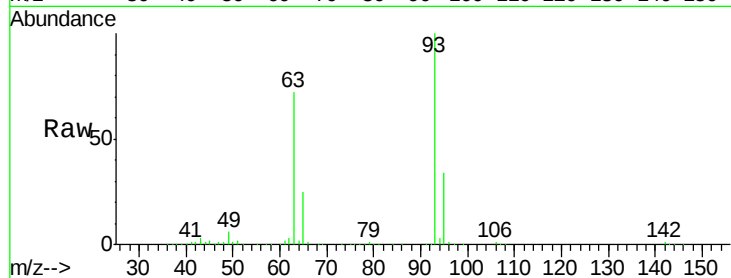
ClientSampleId :

PB86421BSD

Tot Ion:	93	Resp:	634894
Ion Ratio	Lower	Upper	
93	100		
63	71.9	72.7	112.7#
95	34.0	12.0	52.0

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 34.26 ng

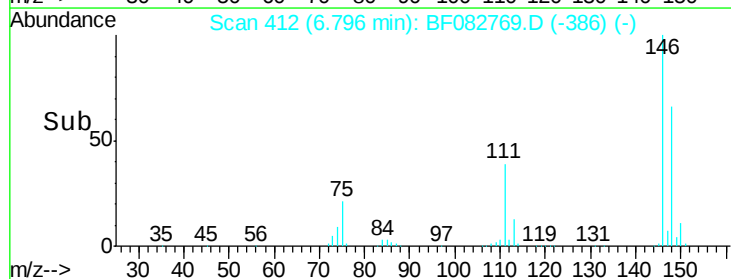
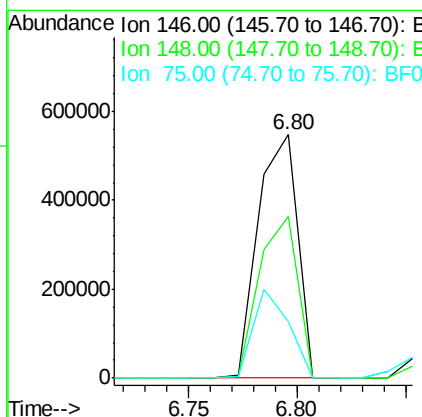
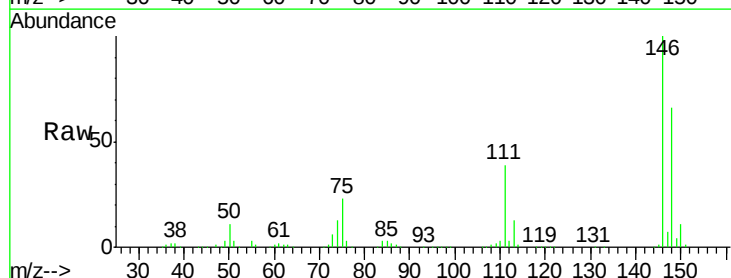
RT: 6.80 min Scan# 412

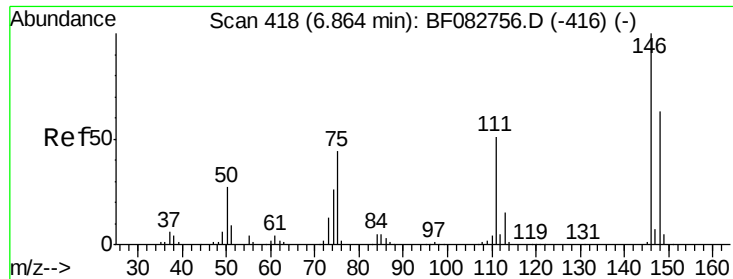
Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion:	146	Resp:	696333
Ion Ratio	Lower	Upper	
146	100		
148	66.5	50.5	75.7
75	23.2	39.5	59.3#





#13

1,4-Dichlorobenzene

Concen: 32.93 ng

RT: 6.86 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

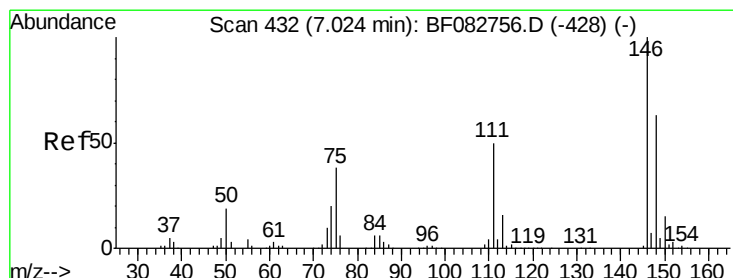
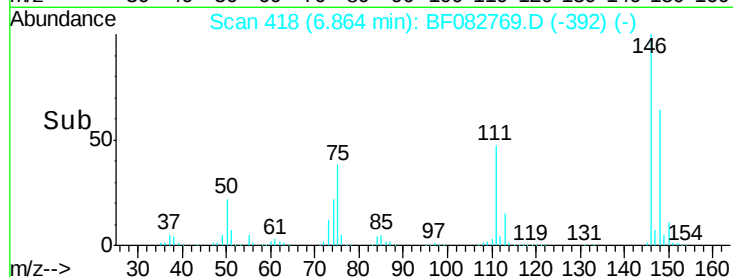
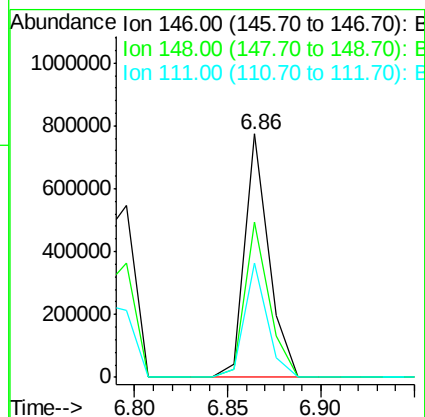
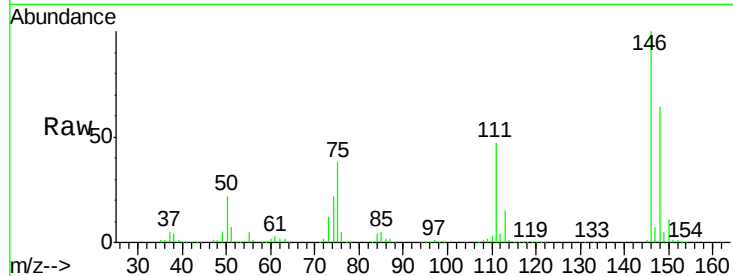
ClientSampleId :

PB86421BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.8	76.2
111	46.8	40.6	60.8

Manual Integrations
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Mmdadoda
11/9/2015 2:10:29 PM



#14

1,2-Dichlorobenzene

Concen: 36.25 ng

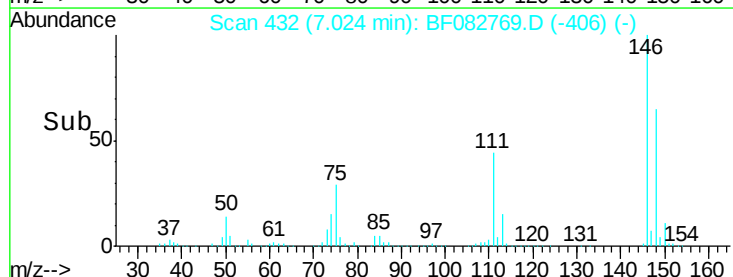
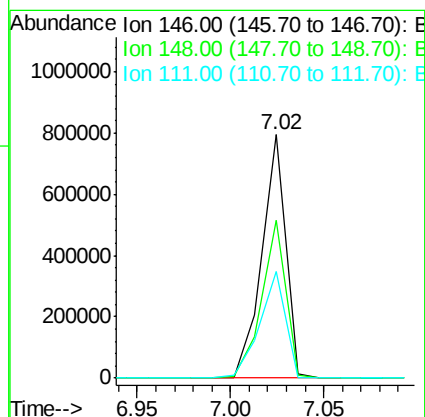
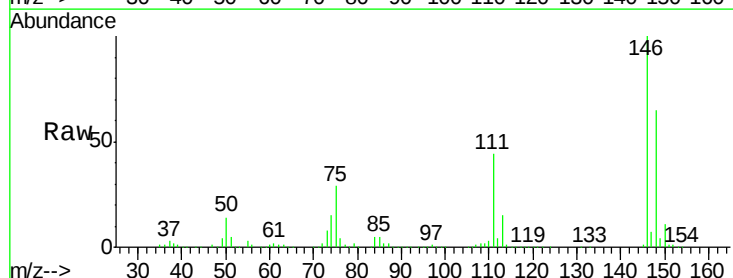
RT: 7.02 min Scan# 432

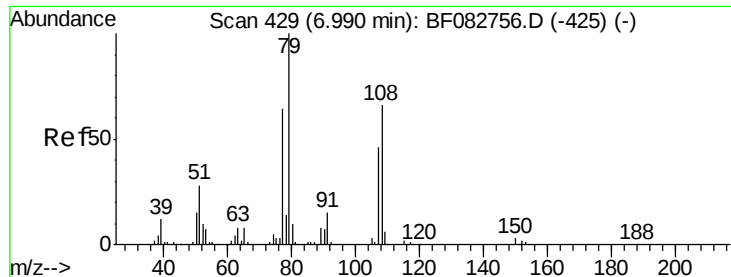
Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.2	78.4
111	43.9	36.6	55.0





#15

Benzyl Alcohol

Concen: 32.85 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

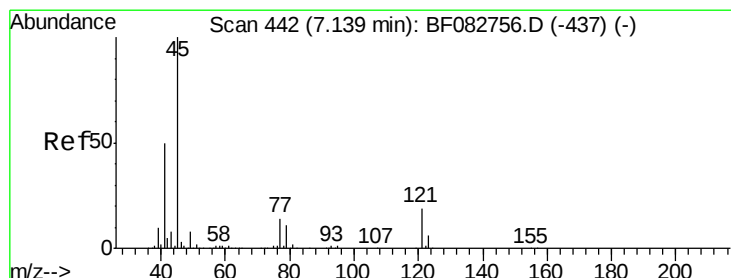
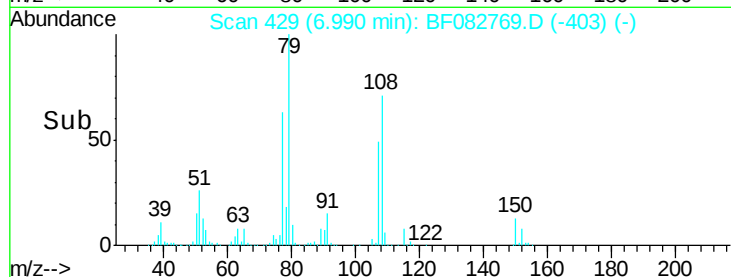
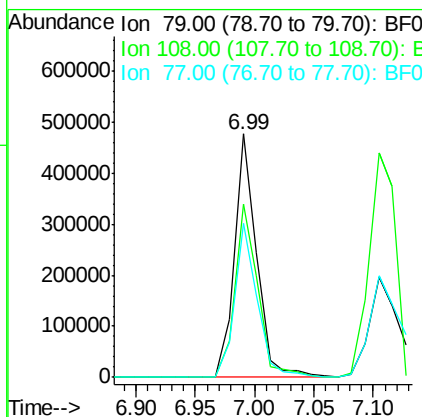
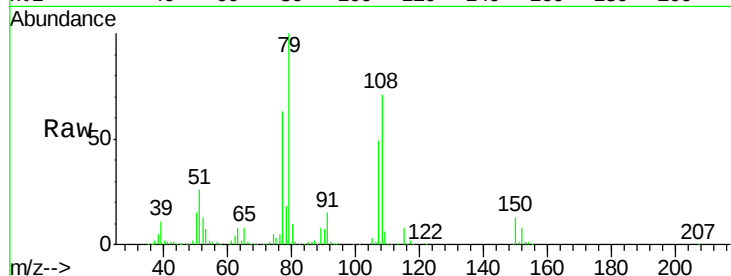
ClientSampleId :

PB86421BSD

Manual Integrations
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11/9/2015 2:10:29 PM

Tot Ion:	79	Resp:	623585
Ion	Ratio	Lower	Upper
79	100		
108	71.3	52.2	78.4
77	63.3	52.7	79.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.17 ng

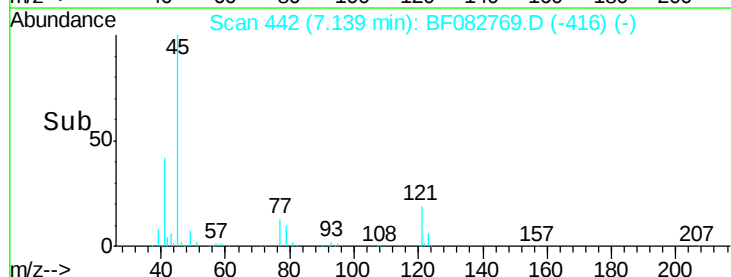
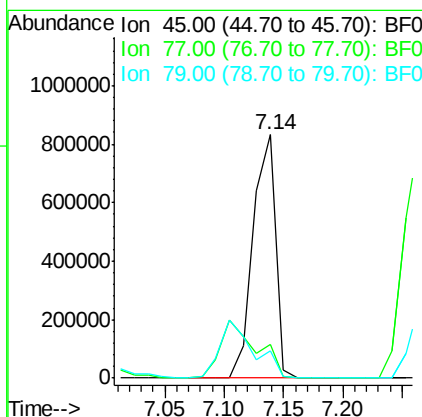
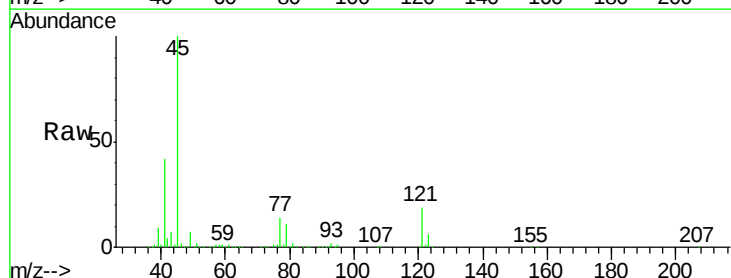
RT: 7.14 min Scan# 442

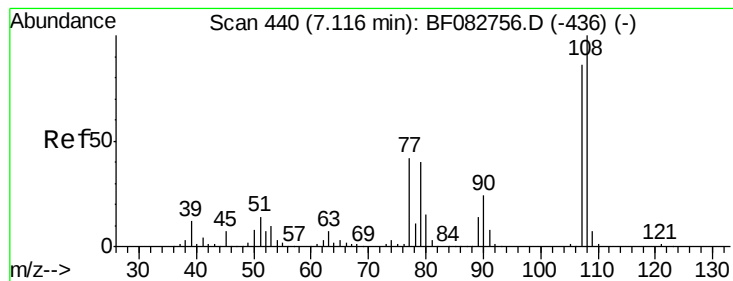
Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion:	45	Resp:	1107579
Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	32.6
79	11.1	0.0	29.2





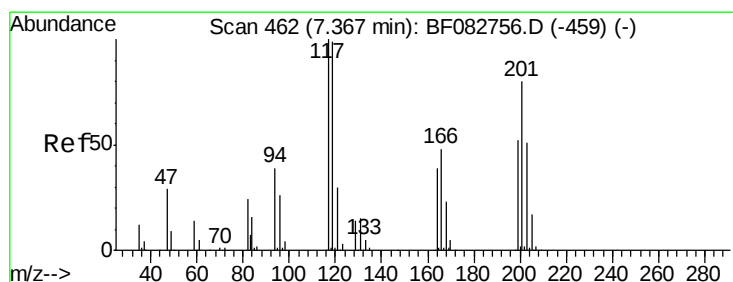
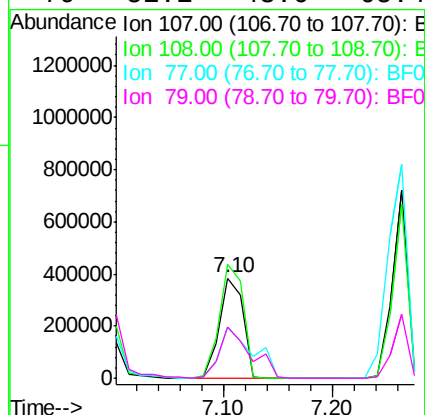
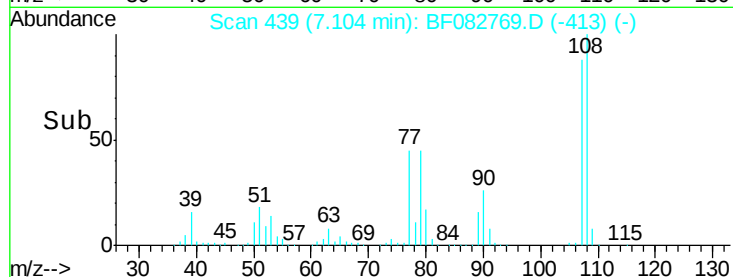
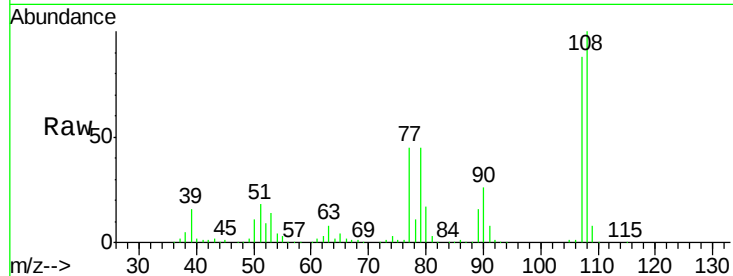
#17
2-Methylphenol
Concen: 38.17 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	582626		
108	108	114.2		93.0	139.4
77	77	51.6		44.1	66.1
79	79	51.1		43.6	65.4

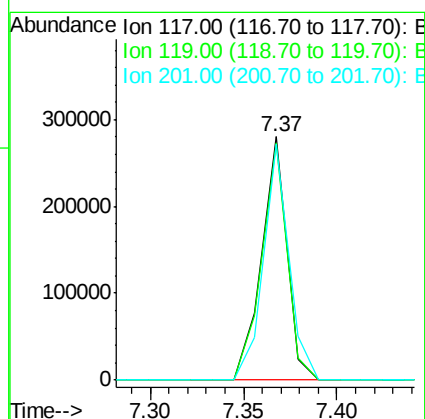
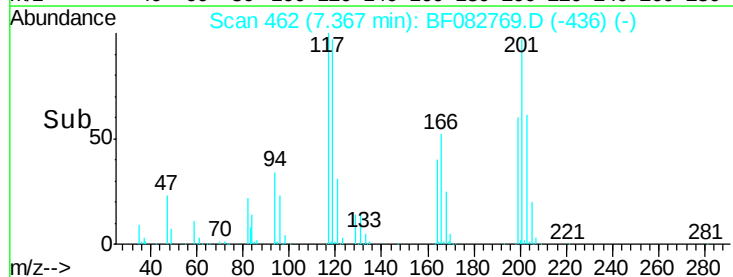
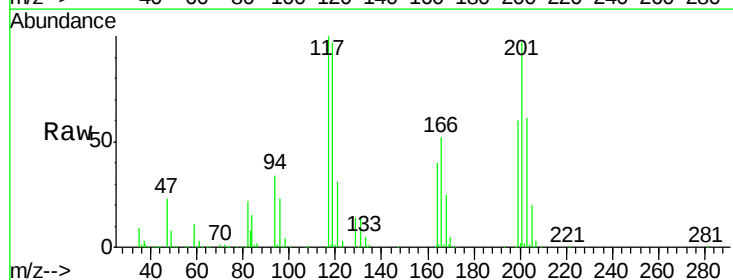
Manual Integrations
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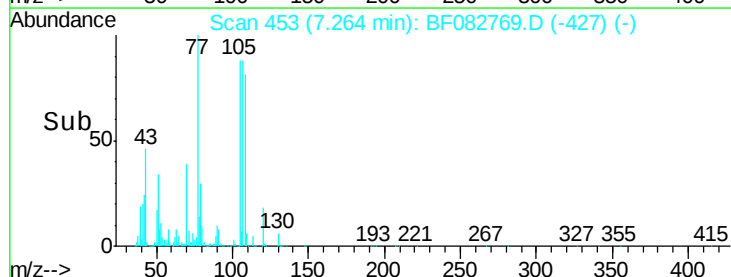
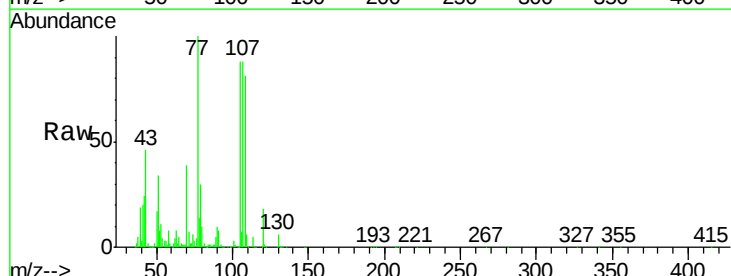
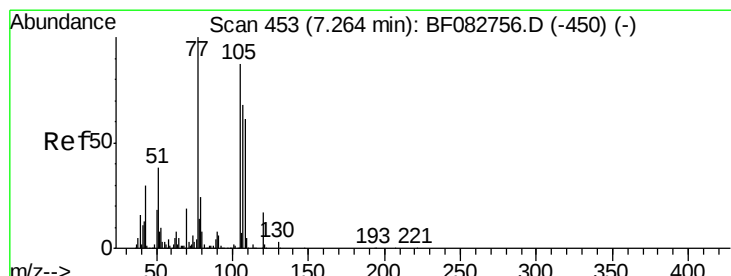
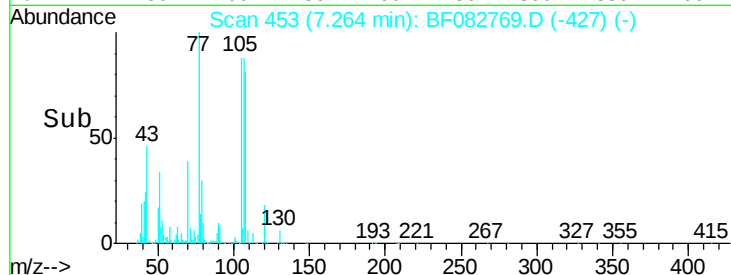
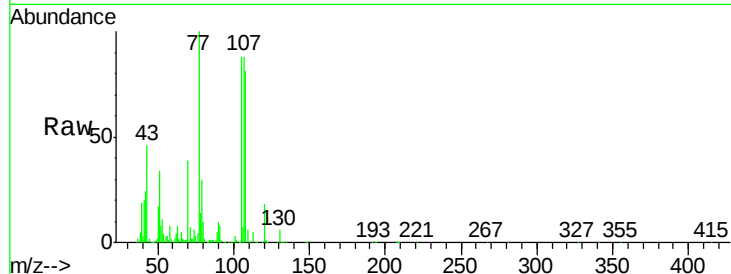
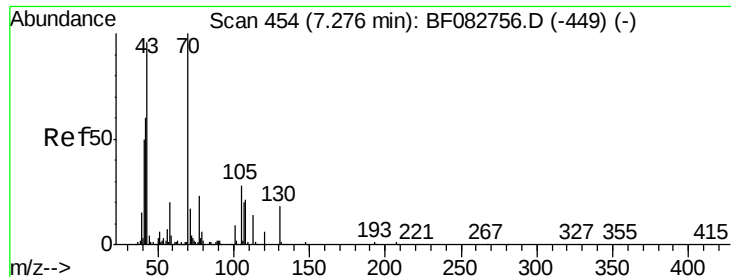
Mmdadoda
11/9/2015 2:10:29 PM



#18
Hexachloroethane
Concen: 34.69 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	262366		
119	119	97.4		77.7	116.5
201	201	96.8		66.7	100.1





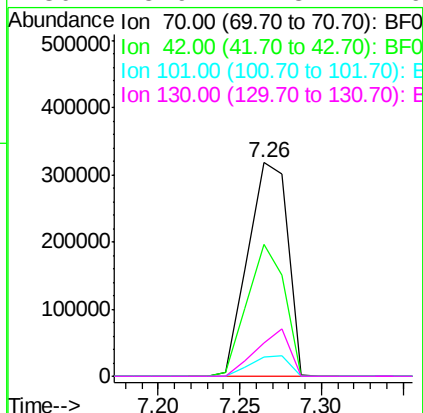
#19
n-Nitroso-di-n-propylamine
Concen: 33.85 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Manual Integrations
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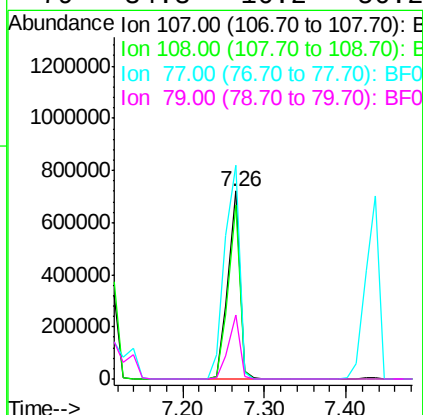
Mmdadoda
11/9/2015 2:10:29 PM

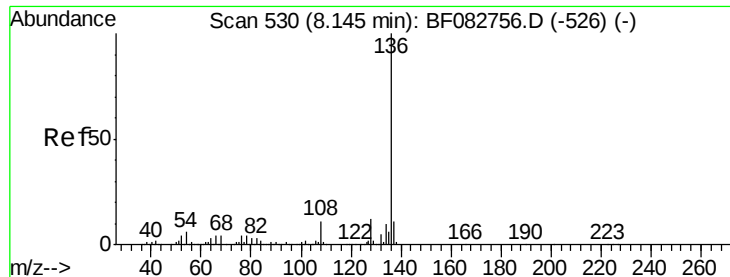
Tot Ion	Ratio	Lower	Upper
70	100		
42	61.5	57.7	86.5
101	8.9	7.0	10.6
130	15.9	11.8	17.6



#20
3+4-Methylphenols
Concen: 36.17 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.5	67.3	107.3
77	113.7	100.3	140.3
79	34.3	16.2	56.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

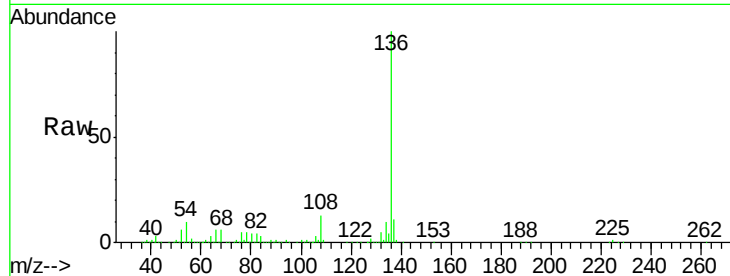
ClientSampleId :

PB86421BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		575037		
137	11.1		9.1	13.7	
54	9.8		9.1	13.7	
68	5.9		4.8	7.2	

Manual Integrations
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11/9/2015 2:10:29 PM

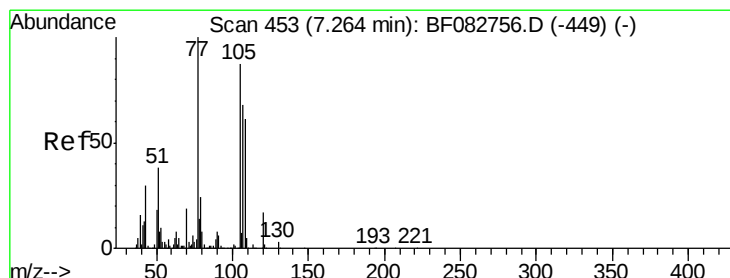
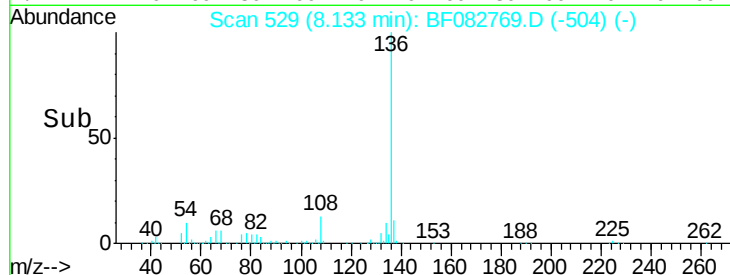
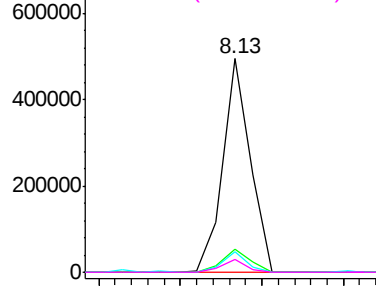


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 57.64 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

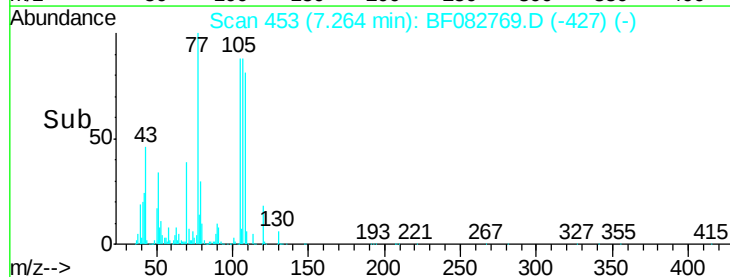
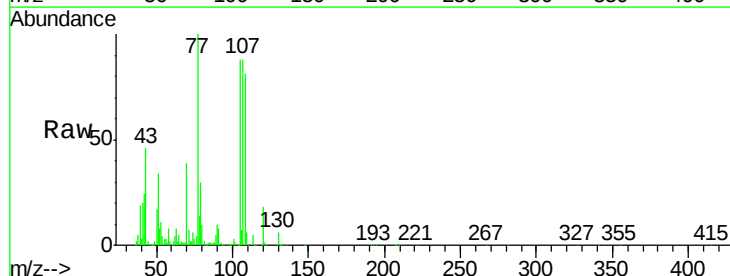
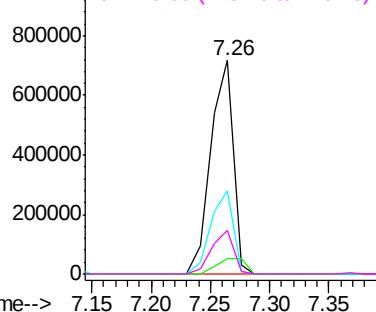
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		949721		
71	7.5		5.6	8.4	
51	38.9		24.9	37.3#	
120	20.7		15.8	23.8	

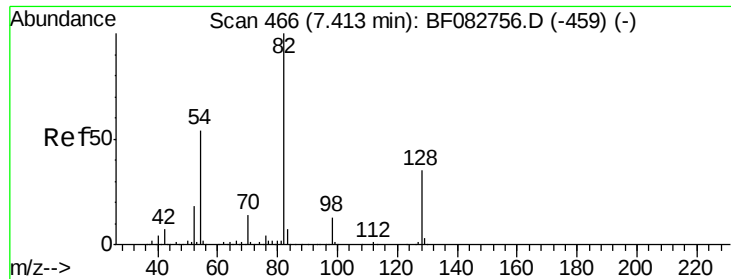
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





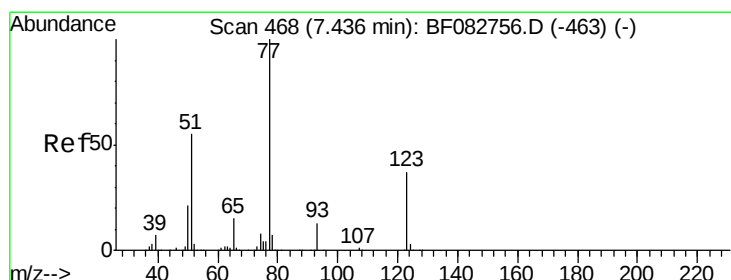
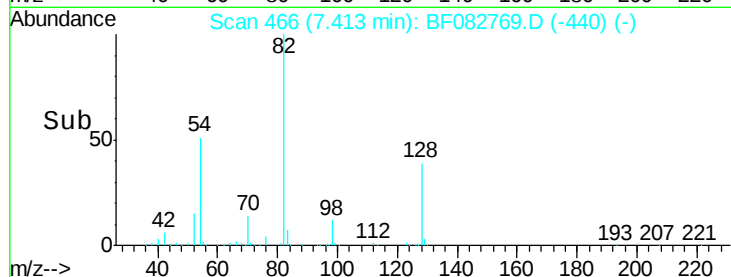
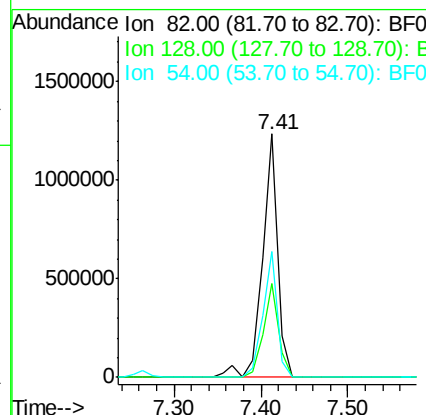
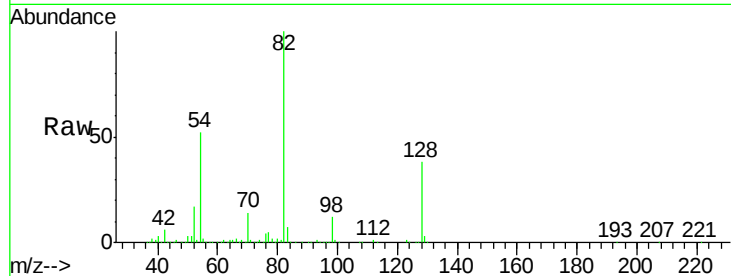
#23
 Nitrobenzene-d5
 Concen: 115.33 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.5	26.8	40.2
54	51.9	45.7	68.5

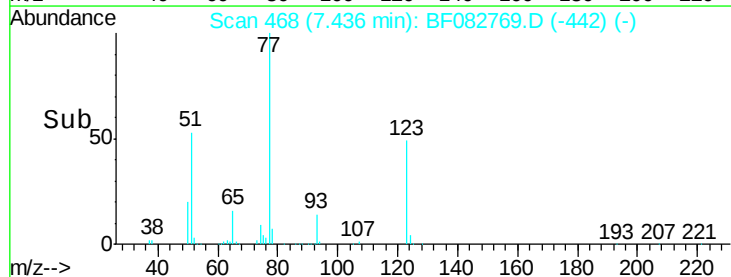
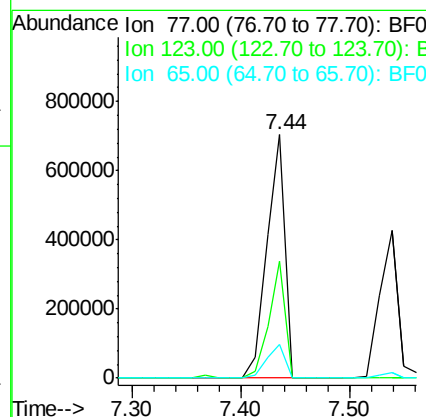
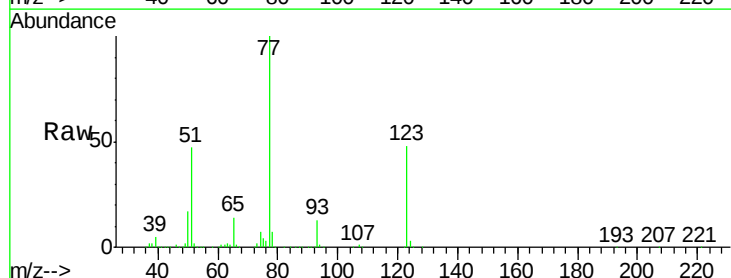
Manual Integrations
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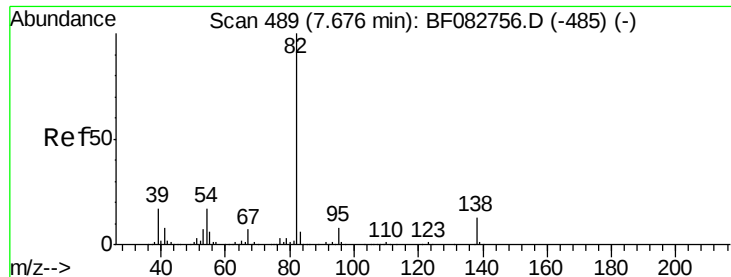
Mmdadoda
 11/9/2015 2:10:29 PM



#24
 Nitrobenzene
 Concen: 60.33 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.9	36.4	54.6
65	13.7	11.5	17.3





#25

Isophorone

Concen: 51.20 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion: 82 Resp: 1252080

Ion Ratio Lower Upper

82 100

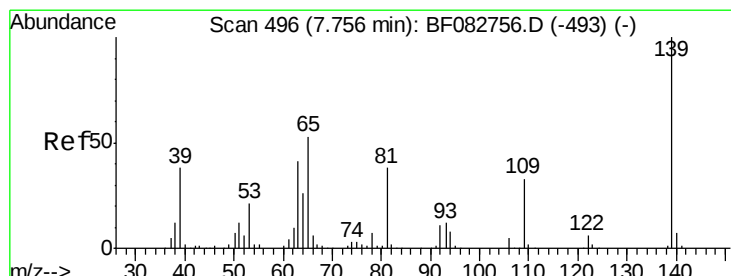
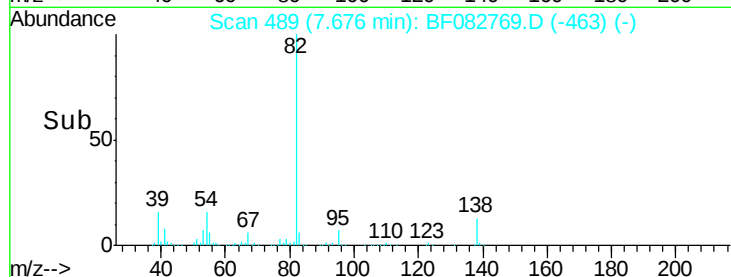
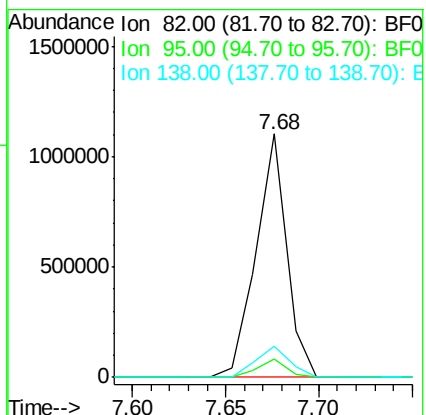
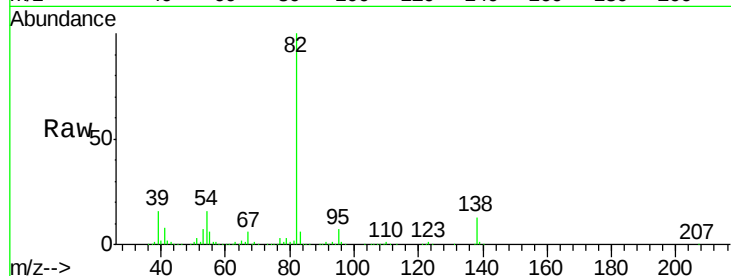
95 7.3 6.6 9.8

138 12.8 11.4 17.0

Manual Integrations
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Mmdadoda

11/9/2015 2:10:29 PM



#26

2-Nitrophenol

Concen: 45.45 ng

RT: 7.76 min Scan# 496

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

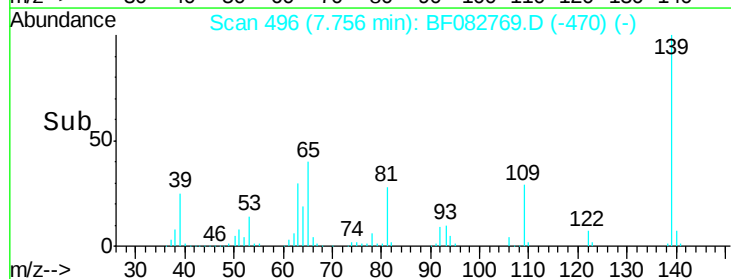
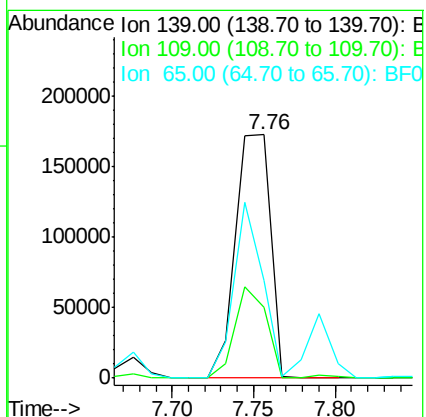
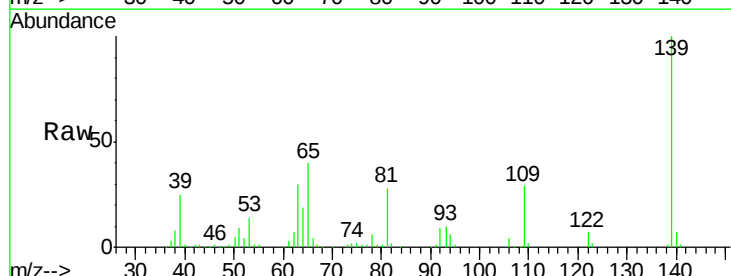
Tgt Ion: 139 Resp: 256376

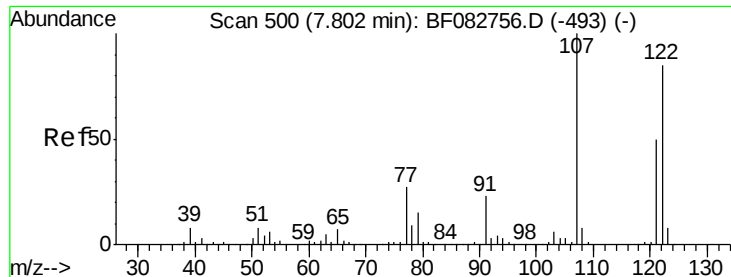
Ion Ratio Lower Upper

139 100

109 29.2 37.6 56.4#

65 40.4 70.6 105.8#





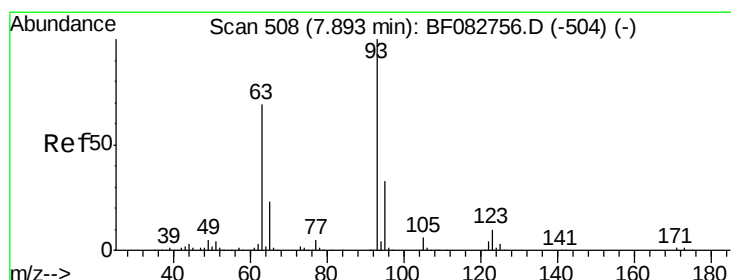
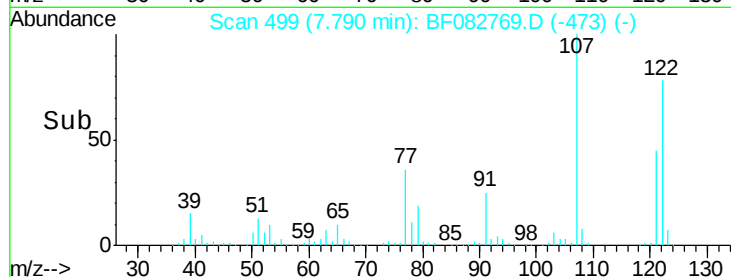
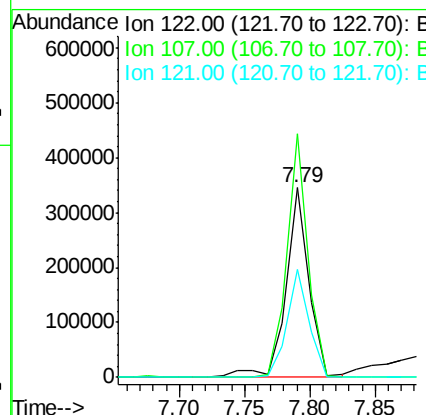
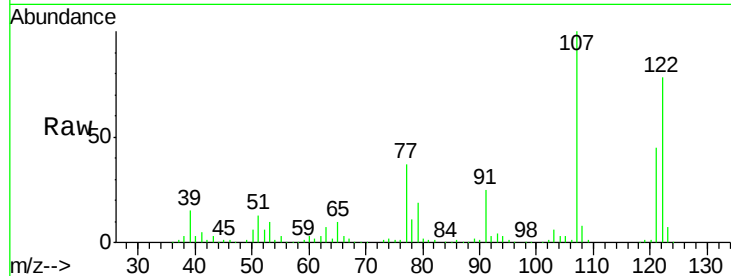
#27
 2,4-Dimethylphenol
 Concen: 41.92 ng
 RT: 7.79 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	424892		
107	128.6	106.0	159.0	
121	57.3	46.7	70.1	

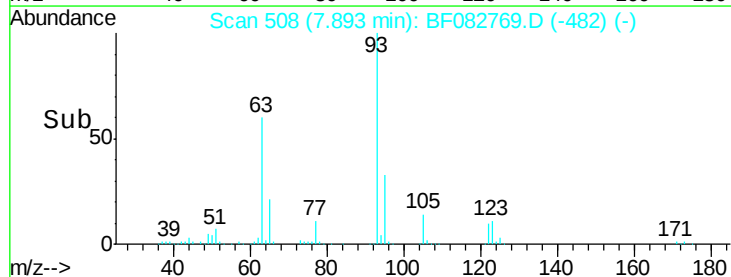
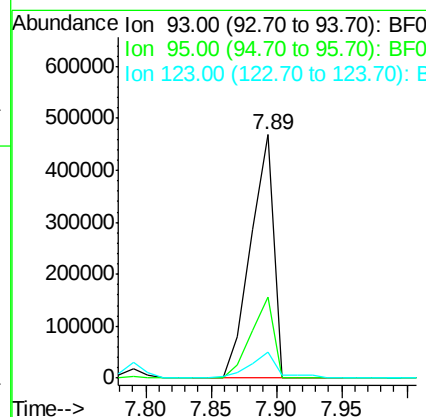
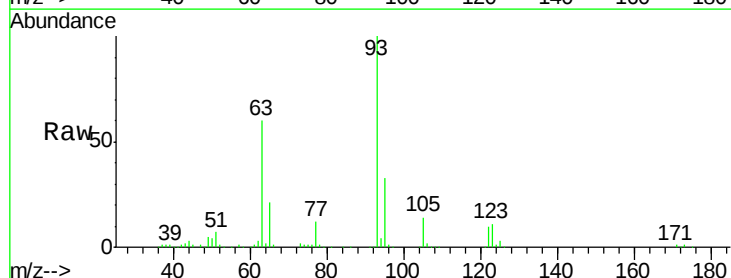
Manual Integrations
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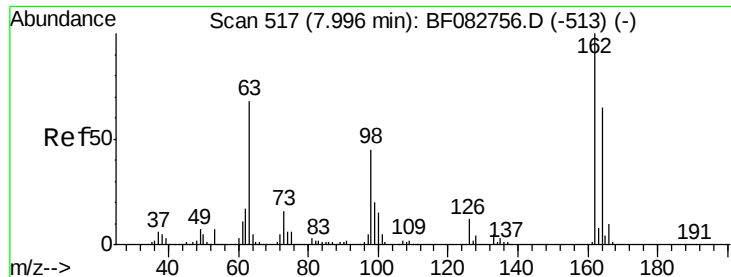
Mmdadoda
 11/9/2015 2:10:29 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.65 ng
 RT: 7.89 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	574486		
95	33.5	26.6	40.0	
123	10.8	9.7	14.5	





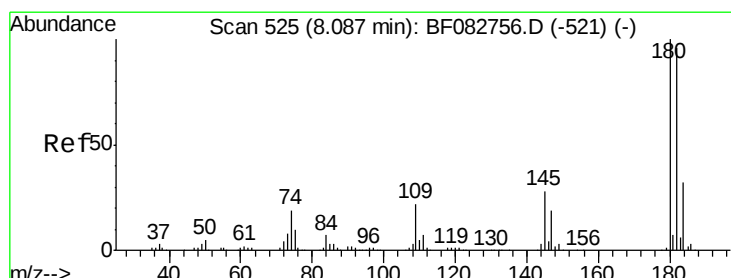
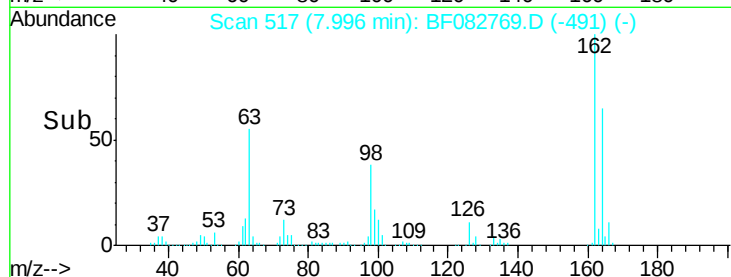
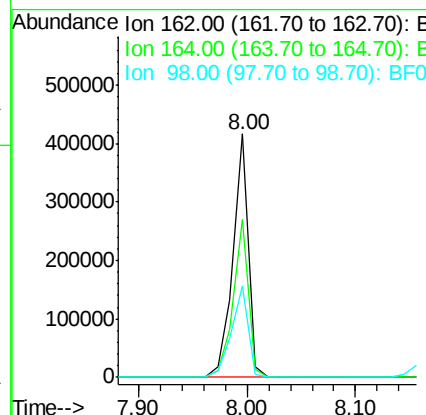
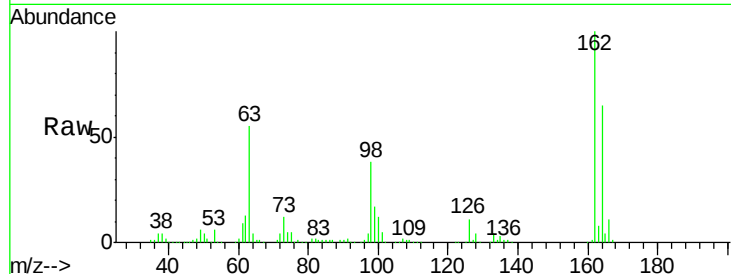
#29
2,4-Dichlorophenol
Concen: 44.18 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	404704		
164	64.6	46.8	86.8	
98	37.7	12.5	52.5	

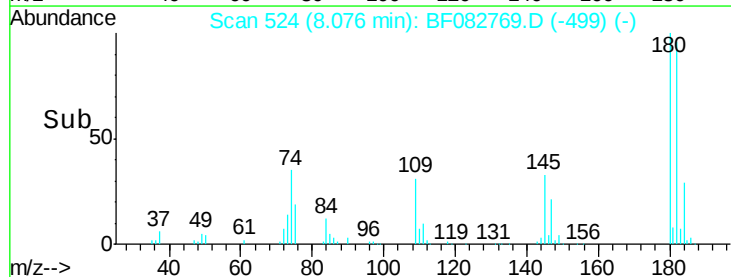
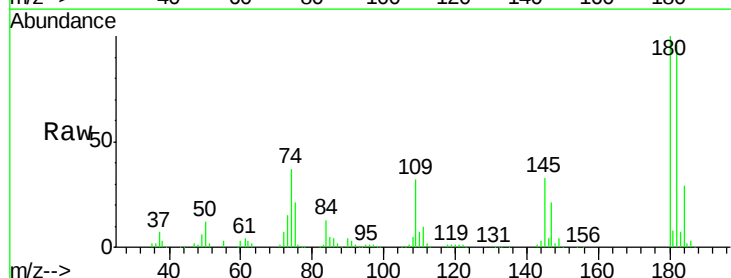
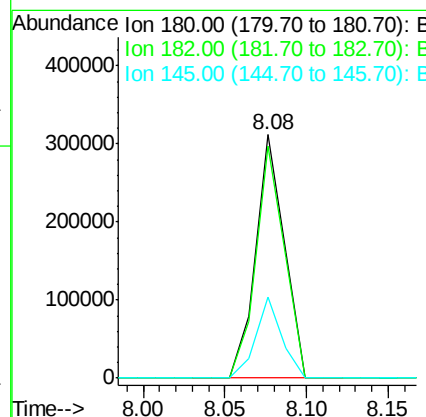
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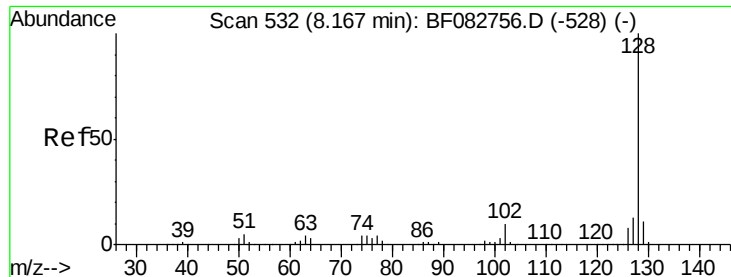
Mmdadoda
11/9/2015 2:10:29 PM



#30
1,2,4-Trichlorobenzene
Concen: 36.80 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	379155		
182	95.5	74.9	112.3	
145	33.3	27.8	41.8	





#31

Naphthalene

Concen: 36.16 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:128 Resp: 1147370

Ion Ratio Lower Upper

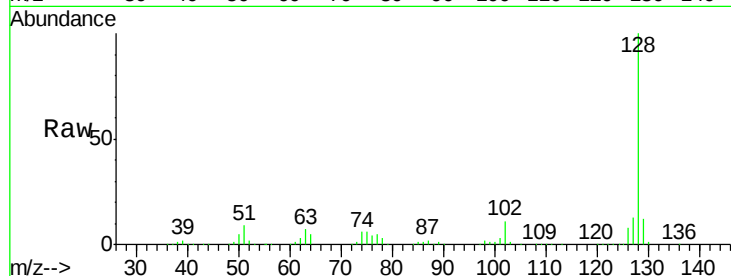
128 100

129 11.7 9.5 14.3

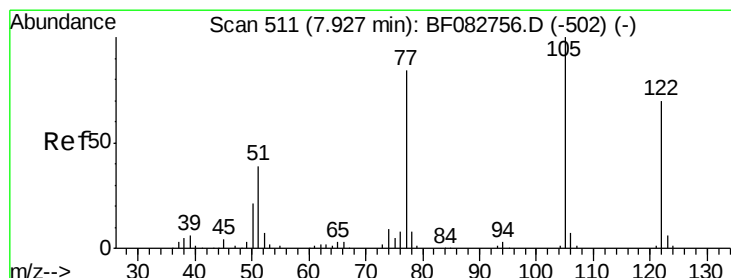
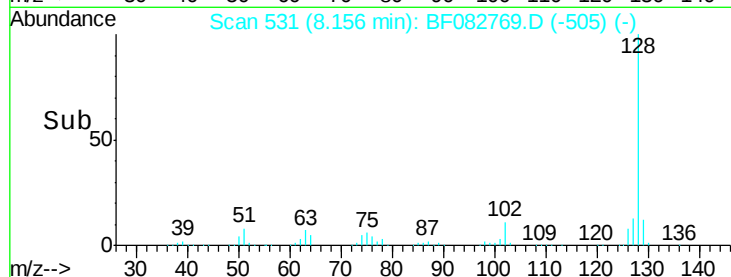
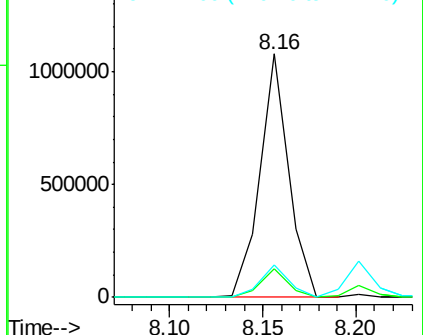
127 13.4 11.4 17.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 38.22 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

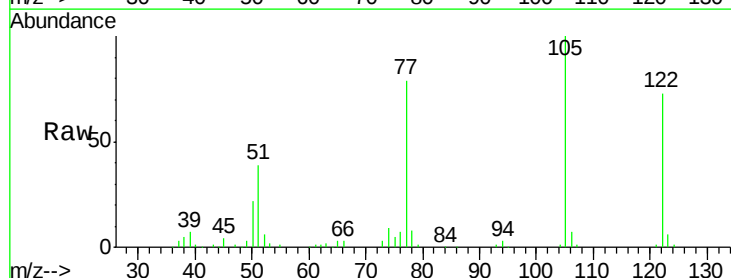
Tgt Ion:122 Resp: 265224

Ion Ratio Lower Upper

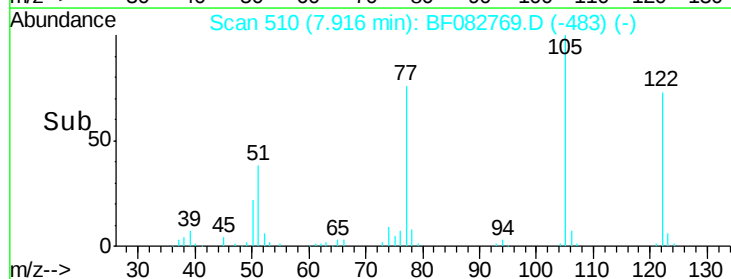
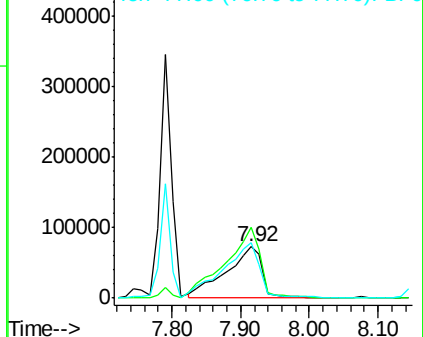
122 100

105 137.0 122.6 162.6

77 107.8 100.9 140.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





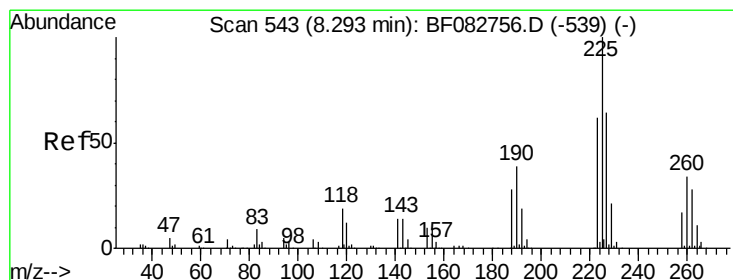
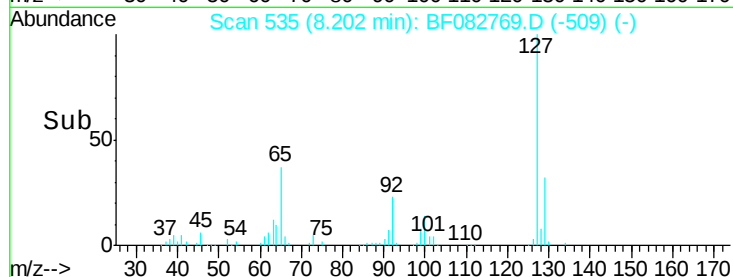
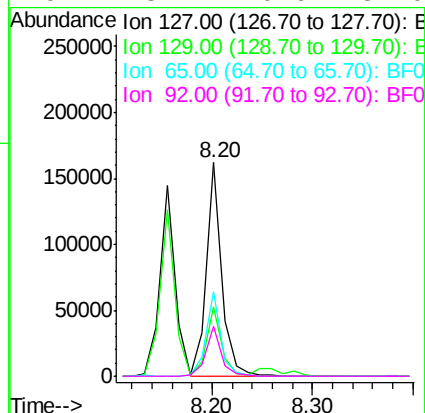
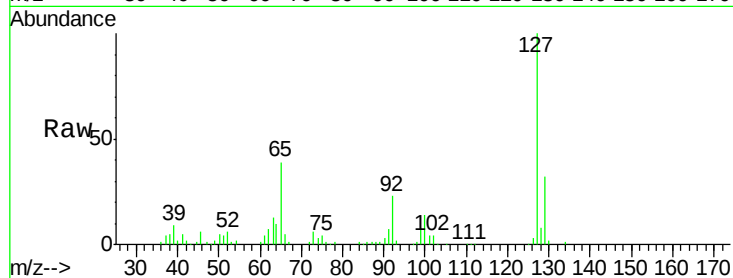
#33
4-Chloroaniline
Concen: 12.67 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.3	39.5
65	39.4	37.8	56.8
92	23.2	20.6	31.0

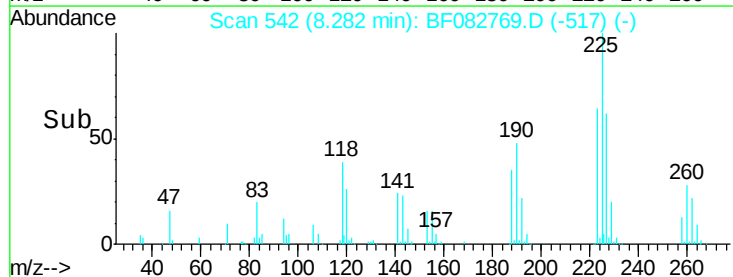
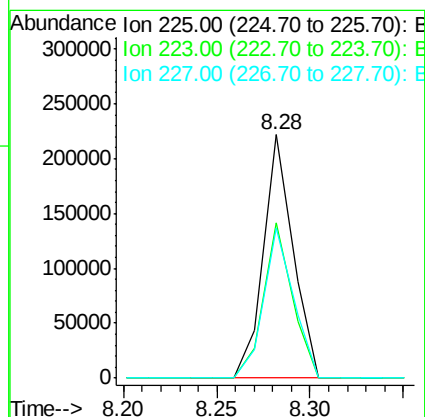
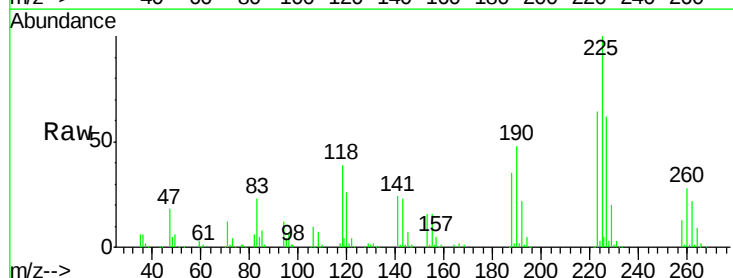
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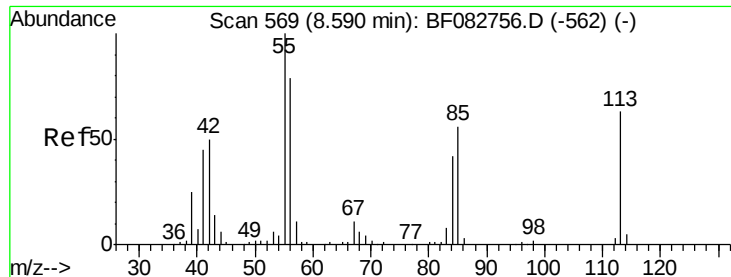
Mmdadoda
11/9/2015 2:10:29 PM



#34
Hexachlorobutadiene
Concen: 37.68 ng
RT: 8.28 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.5	75.7
227	61.6	50.2	75.2





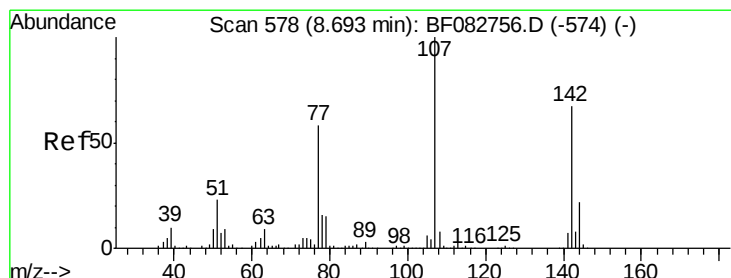
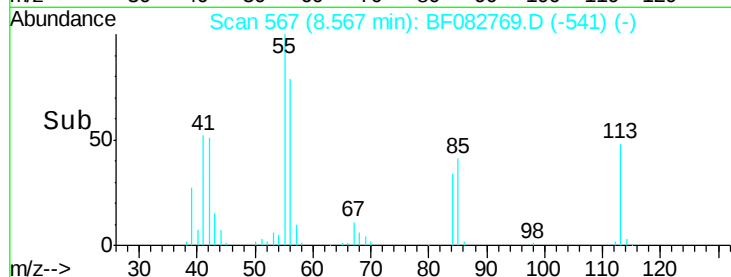
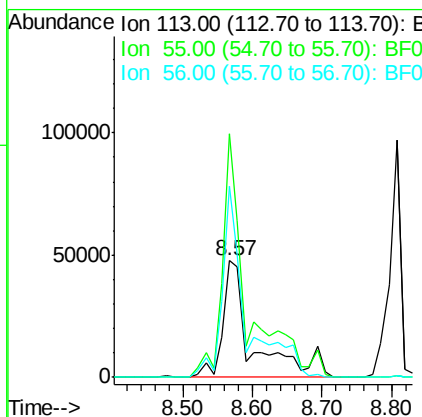
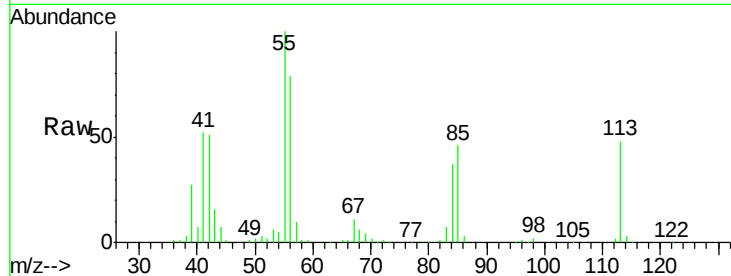
#35
 Caprolactam
 Concen: 48.20 ng/ml
 RT: 8.57 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	209.3	195.5	235.5
56	164.5	153.5	193.5

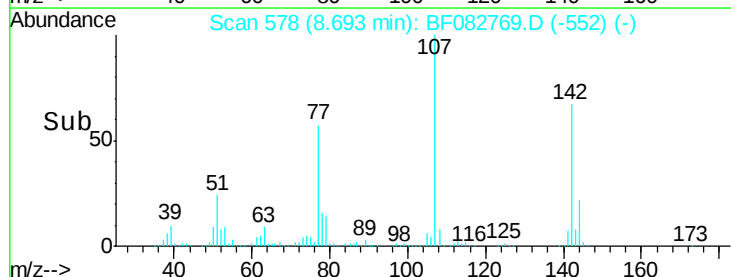
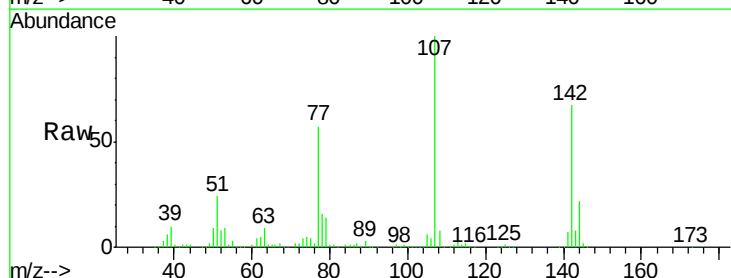
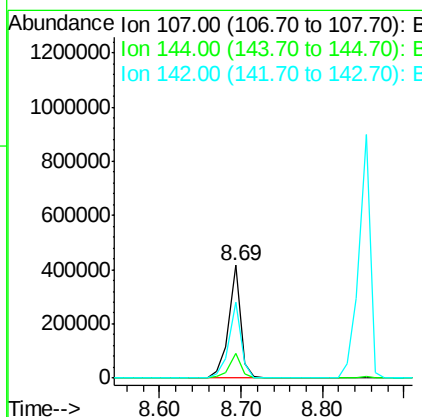
Manual Integrations
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 11/9/2015 2:10:29 PM



#36
 4-Chloro-3-methylphenol
 Concen: 39.59 ng
 RT: 8.69 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	21.6	15.4	23.0
142	67.2	47.8	71.8





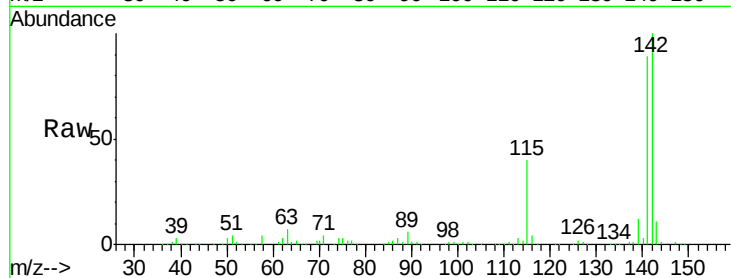
#37
2-Methylnaphthalene
Concen: 42.39 ng
RT: 8.85 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.3	108.5
115	40.1	38.1	57.1

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11/9/2015 2:10:29 PM

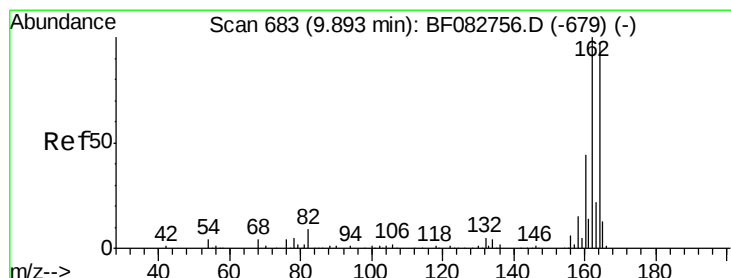
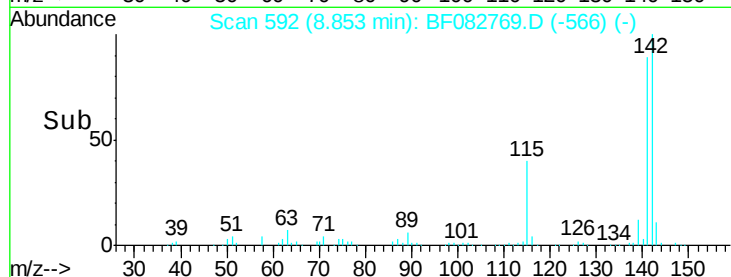
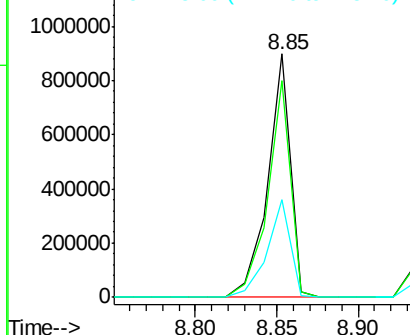


Abundance

Ion 142.00 (141.70 to 142.70): E

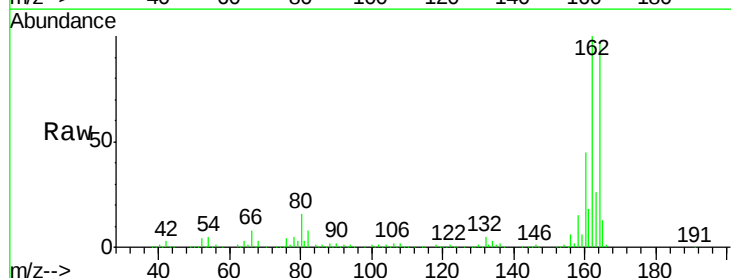
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	84.9	127.3
160	46.6	37.5	56.3

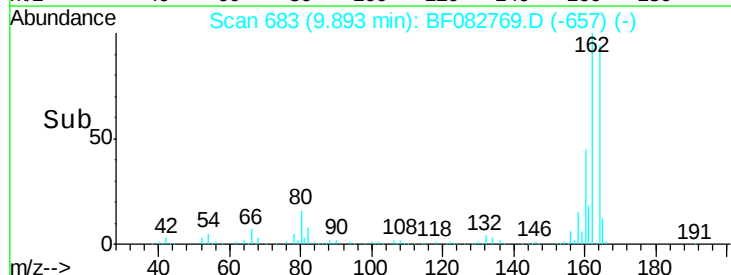
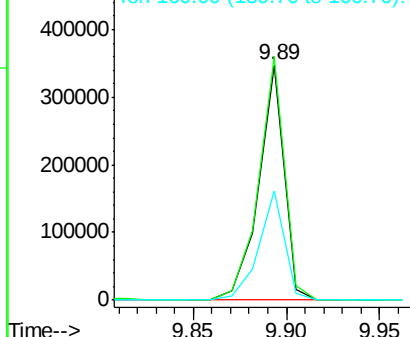


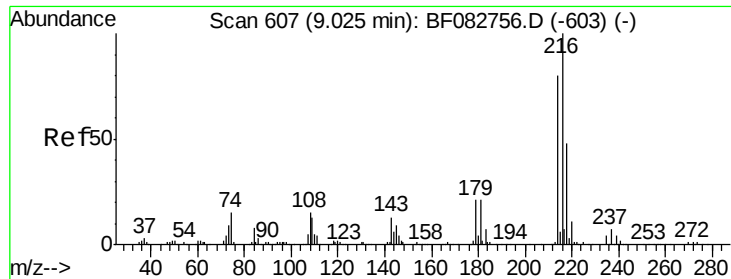
Abundance

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: 38.70 ng

RT: 9.02 min Scan# 607

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

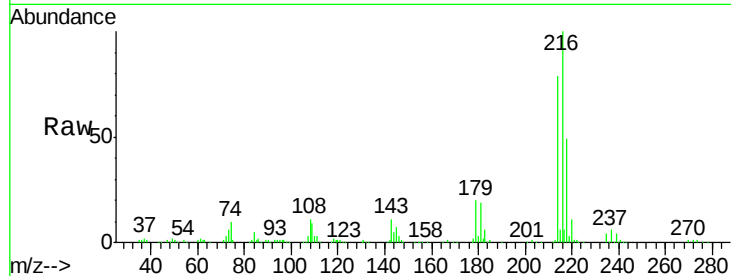
ClientSampleId :

PB86421BSD

Tot Ion:	216	Resp:	413606
Ion Ratio	Lower	Upper	
216	100		
214	80.5	62.2	93.2
179	22.0	18.1	27.1
108	21.0	16.6	25.0

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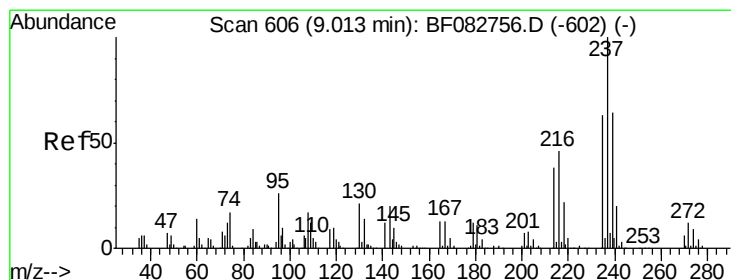
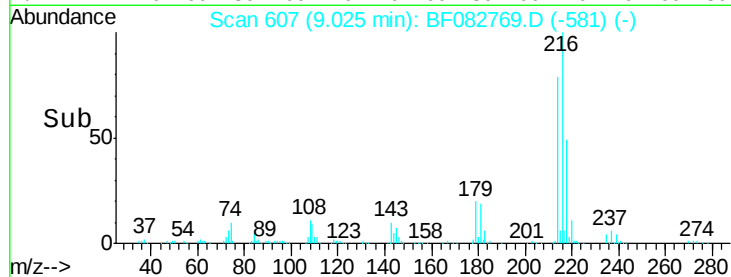
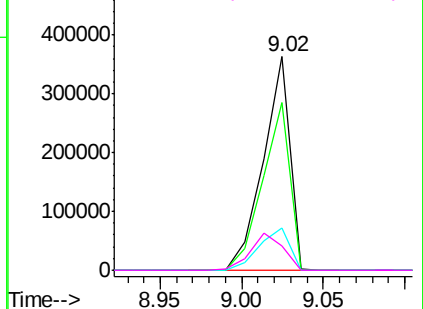


Abundance Ion 216.00 (215.70 to 216.70): E

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: 91.02 ng

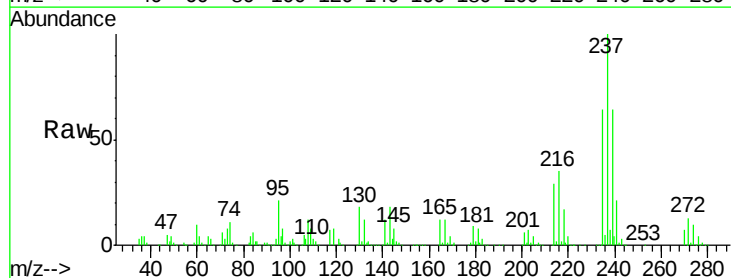
RT: 9.01 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

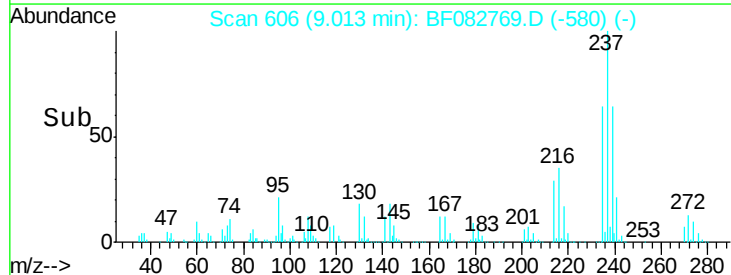
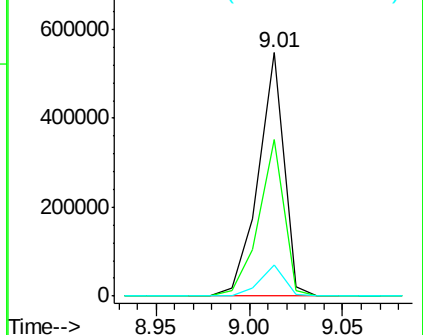
Tgt Ion:	237	Resp:	522635
Ion Ratio	Lower	Upper	
237	100		
235	64.3	44.3	84.3
272	12.7	0.0	31.9

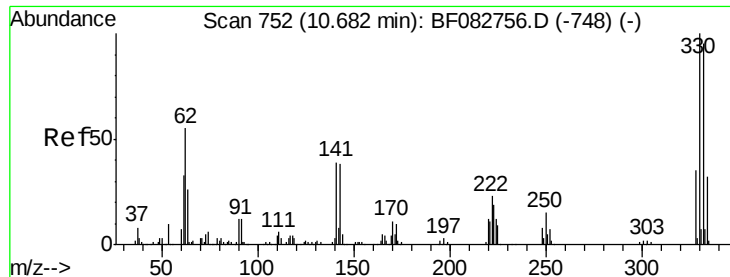


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





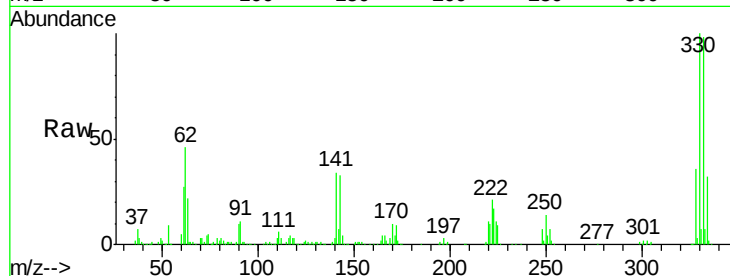
#41
 2,4,6-Tribromophenol
 Concen: 158.69 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	591806		
332	97.8	76.6	114.8	
141	40.3	41.2	61.8	

Manual Integrations
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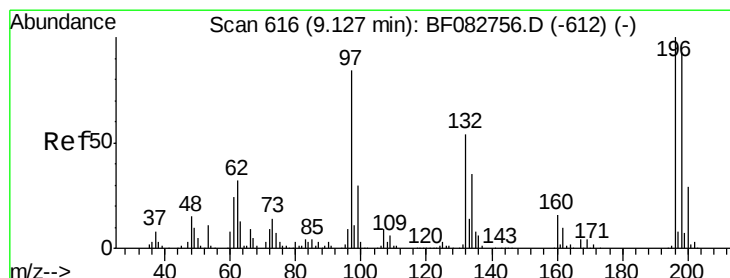
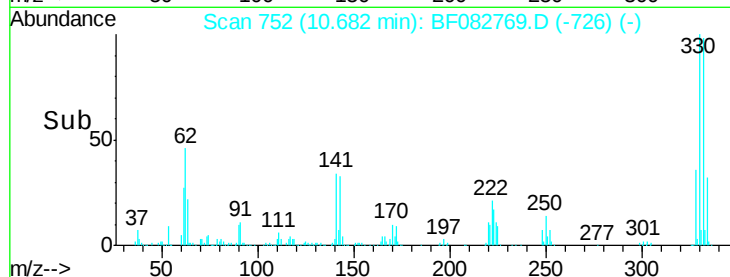
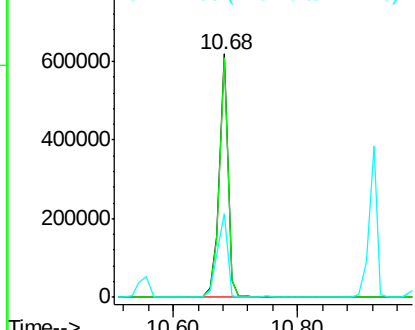


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 35.94 ng
 RT: 9.13 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

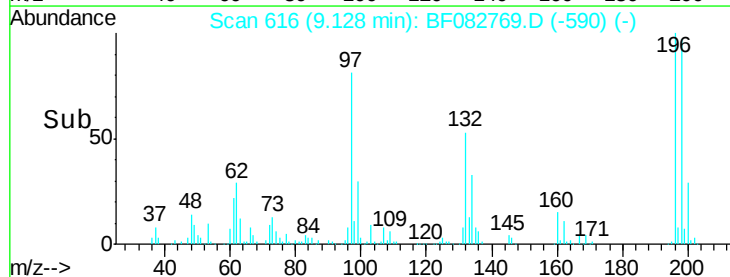
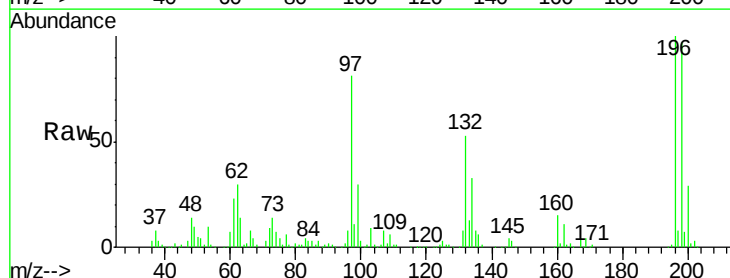
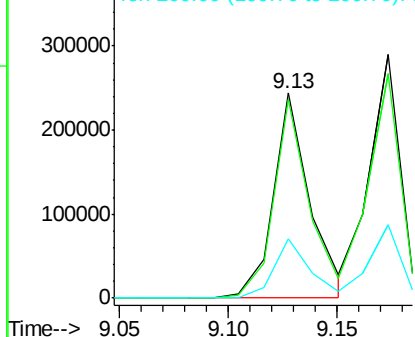
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	286755		
198	97.1	76.3	114.5	
200	28.9	23.9	35.9	

Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





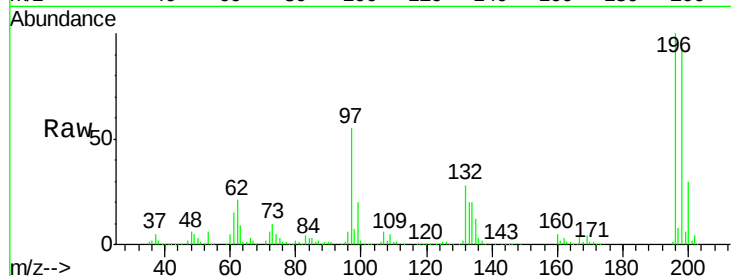
#43
2,4,5-Trichlorophenol
Concen: 37.31 ng
RT: 9.17 min Scan# 620
Delta R.T. 0.01 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	294368		
198	92.1	75.8	113.8	
97	55.5	62.3	93.5	
132	28.0	27.4	41.2	

Manual Integrations
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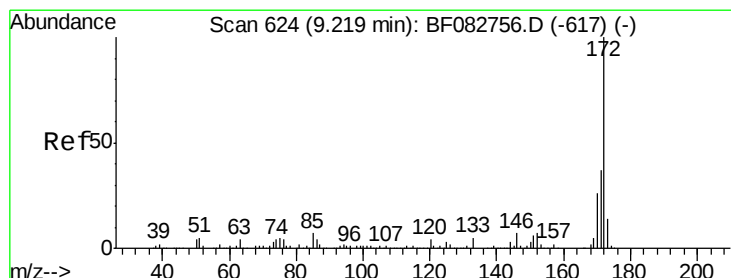
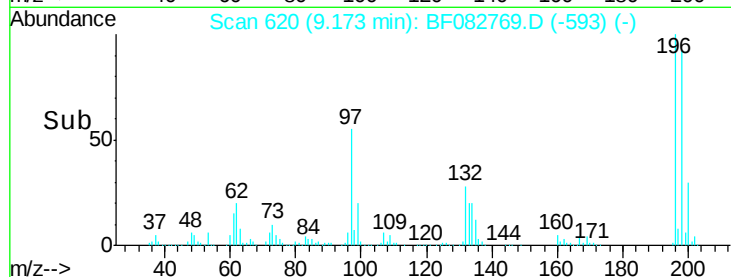
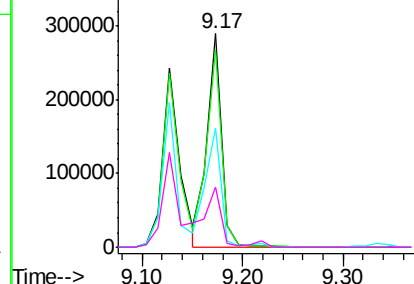
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

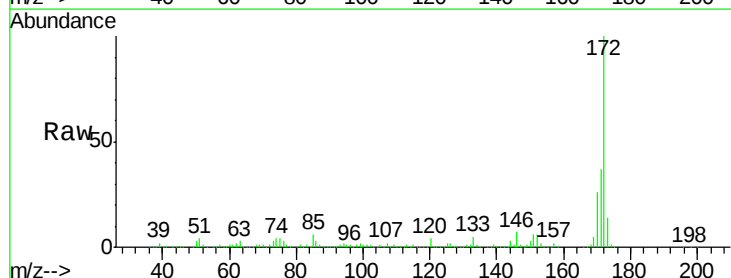
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 82.10 ng
RT: 9.22 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1863132		
171	37.0	30.8	46.2	
170	25.7	21.2	31.8	

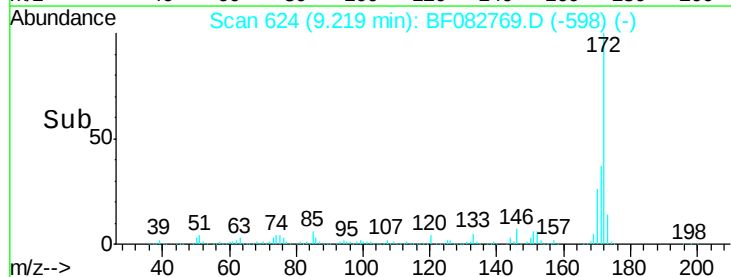
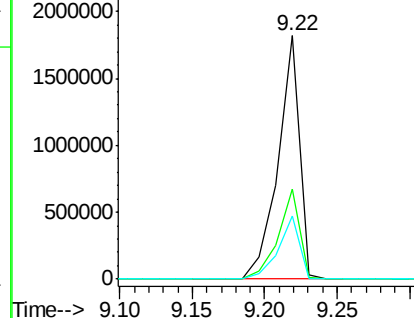


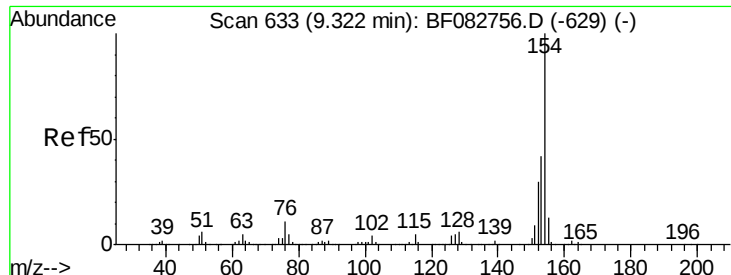
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 36.07 ng

RT: 9.32 min Scan# 633

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:154 Resp: 1006660

Ion Ratio Lower Upper

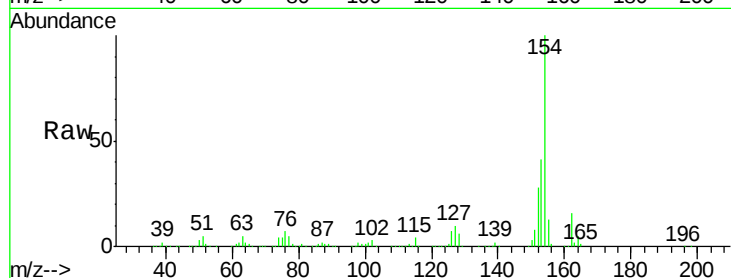
154 100

153 40.6 22.0 62.0

76 7.3 0.0 29.0

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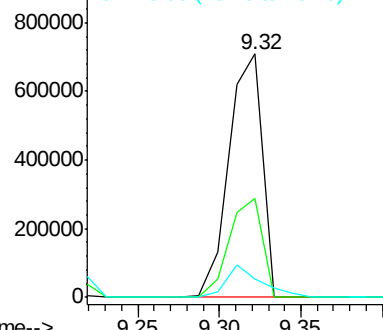
Mmdadoda
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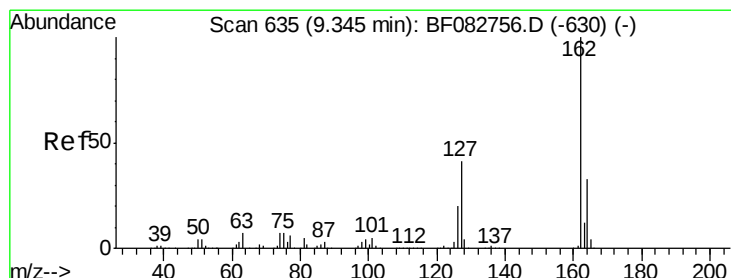
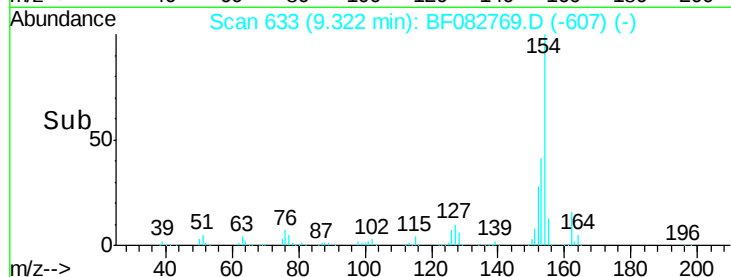
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



Time-->



#46

2-Chloronaphthalene

Concen: 37.04 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

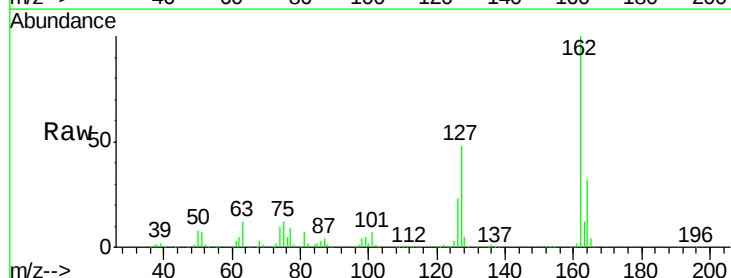
Tgt Ion:162 Resp: 806246

Ion Ratio Lower Upper

162 100

127 47.6 32.7 49.1

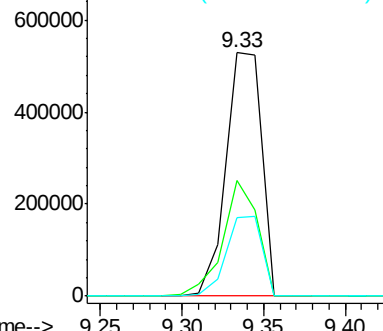
164 32.3 27.4 41.0



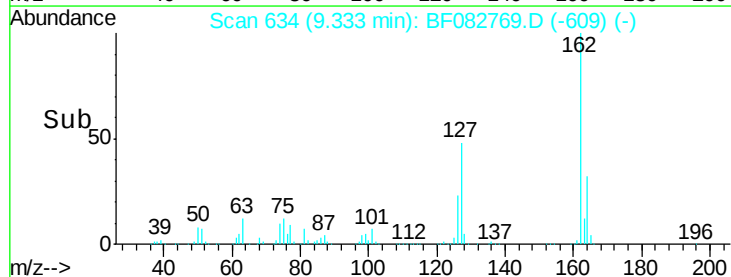
Abundance Ion 162.00 (161.70 to 162.70): E

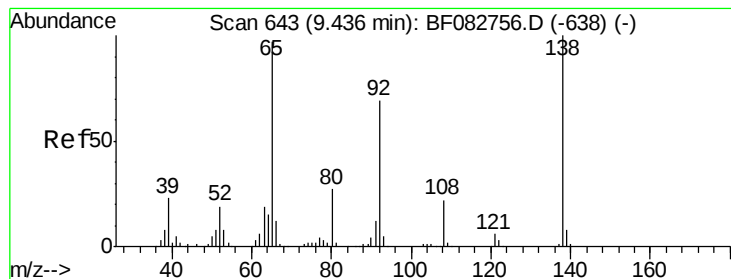
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->





#47

2-Nitroaniline

Concen: 37.16 ng

RT: 9.42 min Scan# 642

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

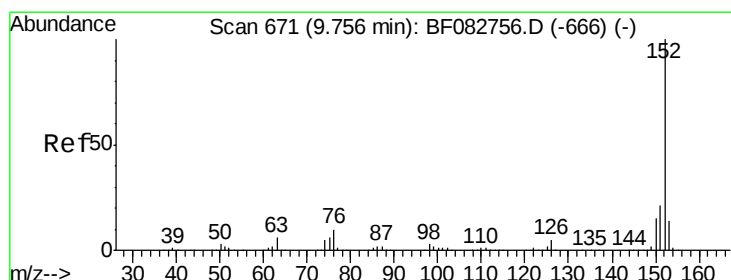
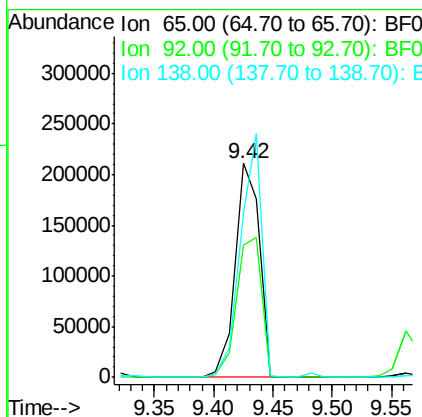
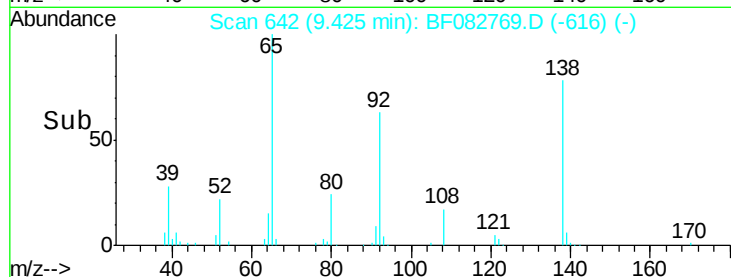
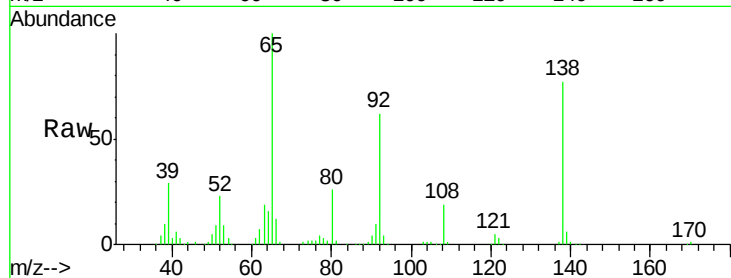
ClientSampleId :

PB86421BSD

Tot Ion:	65	Resp:	300129
Ion Ratio	Lower	Upper	
65	100		
92	62.0	46.6	70.0
138	76.5	54.6	81.8

Manual Integrations
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#48

Acenaphthylene

Concen: 39.16 ng

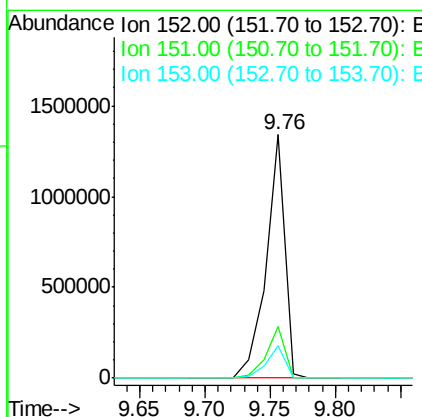
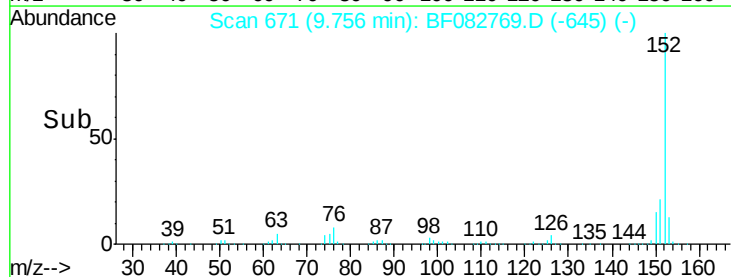
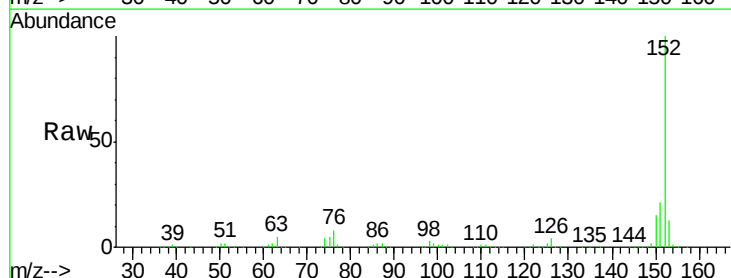
RT: 9.76 min Scan# 671

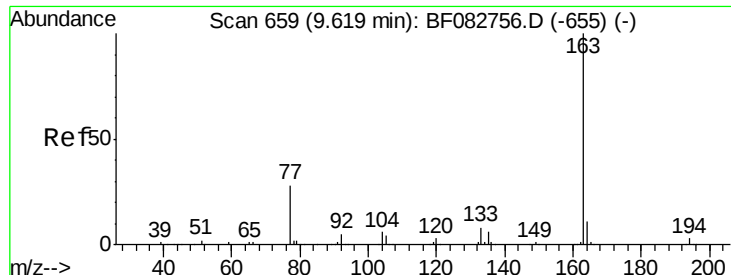
Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion:	152	Resp:	1336194
Ion Ratio	Lower	Upper	
152	100		
151	21.1	17.3	25.9
153	13.5	11.3	16.9





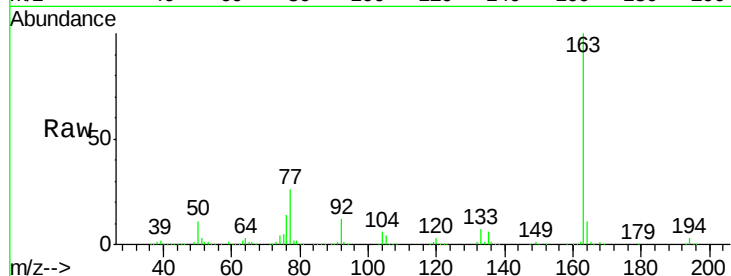
#49
Dimethylphthalate
Concen: 36.89 ng
RT: 9.62 min Scan# 659
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

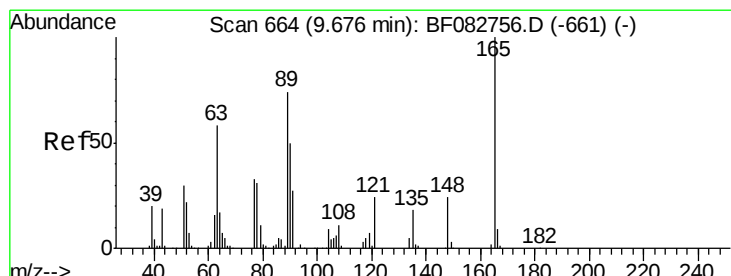
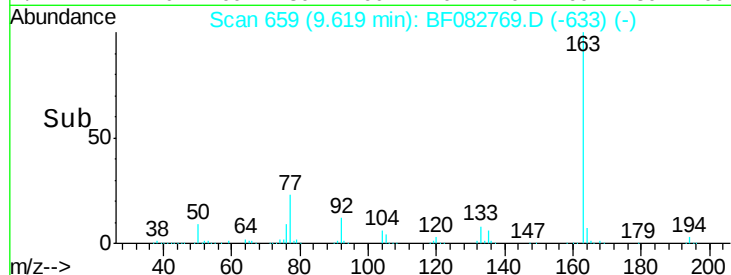
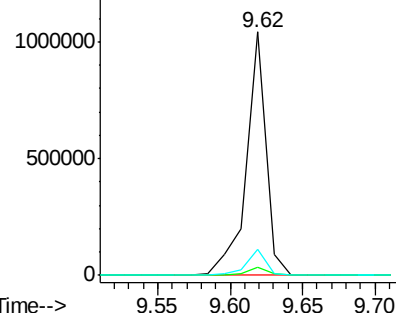
Tot Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	2.6	4.0
164	10.6	8.7	13.1

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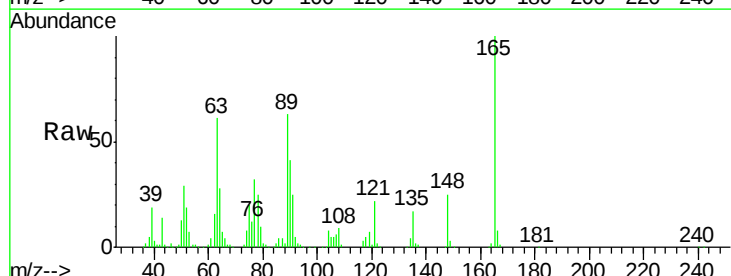


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

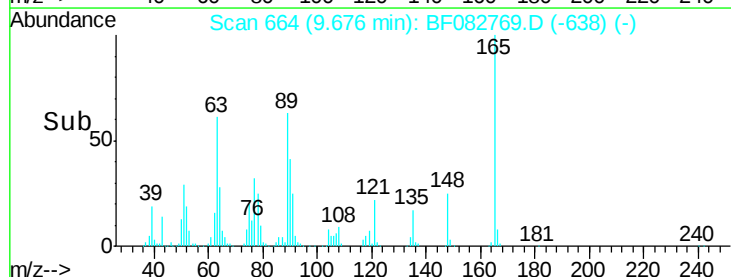
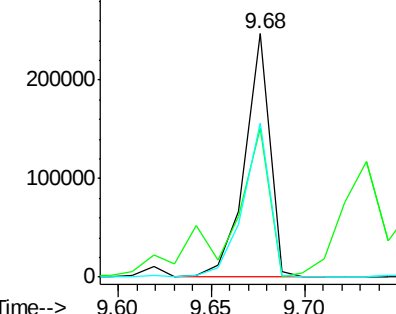


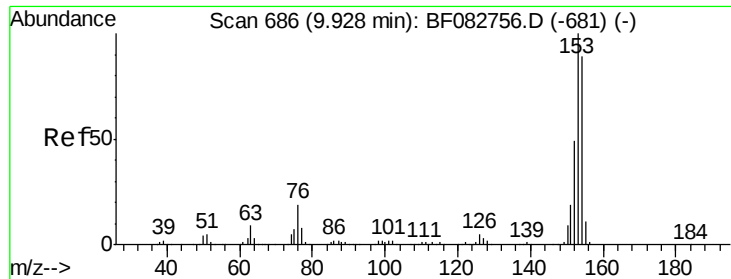
#50
2,6-Dinitrotoluene
Concen: 40.19 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	61.4	55.5	83.3
89	63.2	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: 46.54 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:154 Resp: 1006451

Ion Ratio Lower Upper

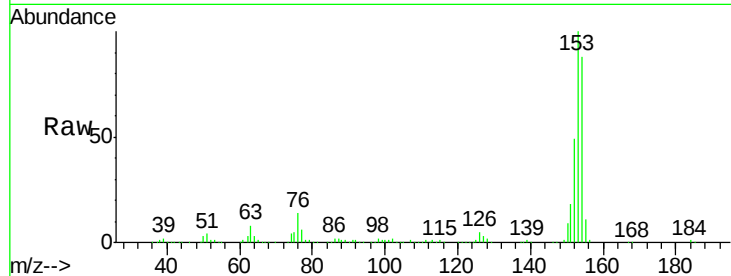
154 100

153 113.9 90.1 135.1

152 55.3 44.3 66.5

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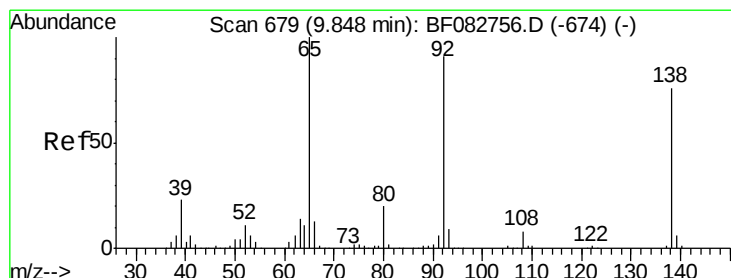
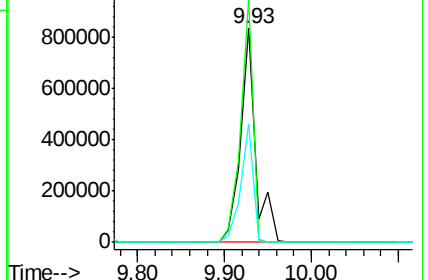
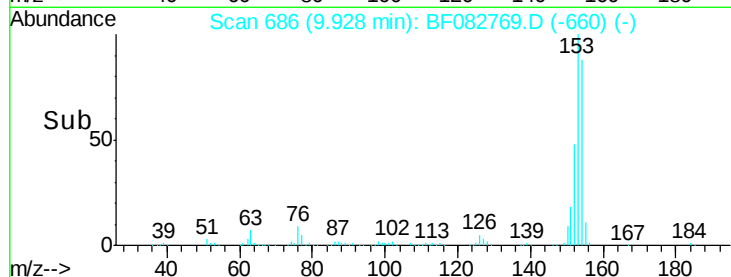
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 16.03 ng

RT: 9.84 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

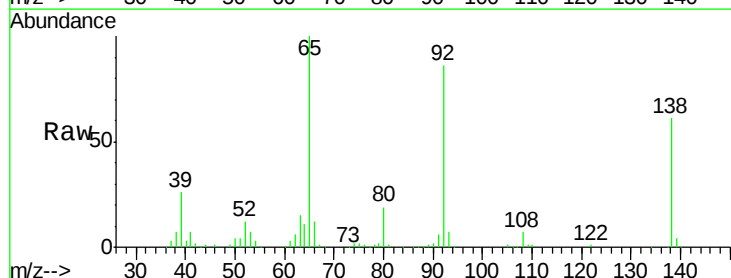
Tgt Ion:138 Resp: 100211

Ion Ratio Lower Upper

138 100

108 12.2 11.3 16.9

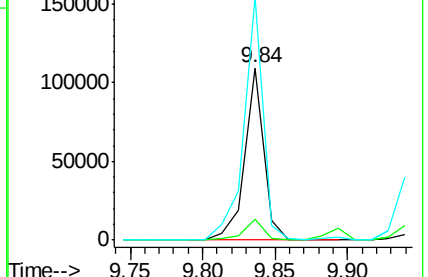
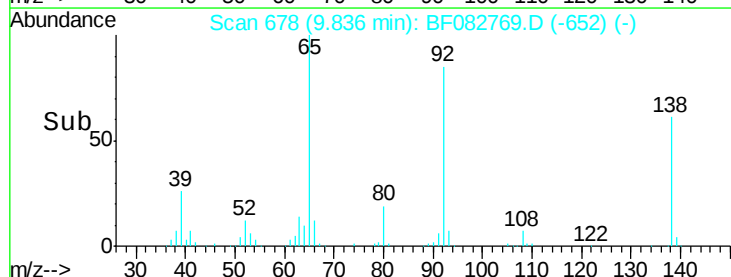
92 141.4 122.4 183.6

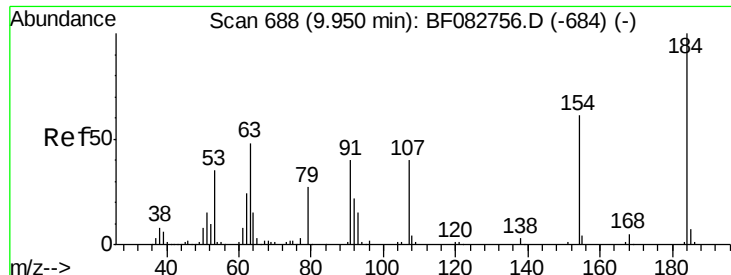


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





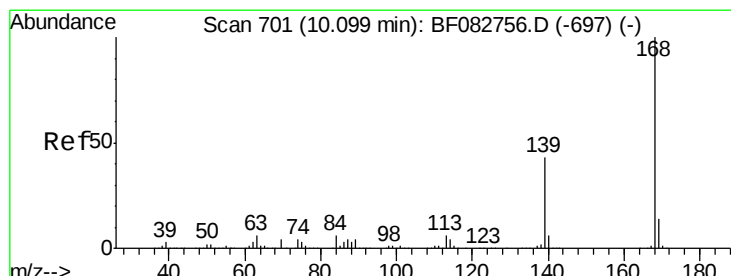
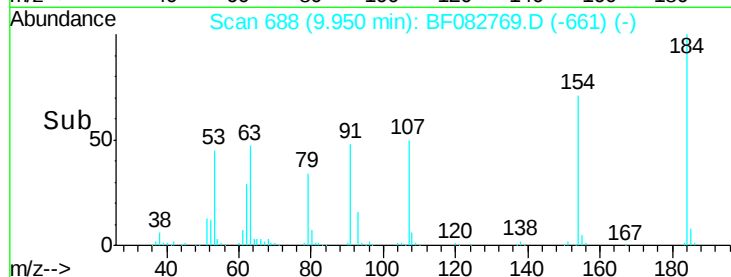
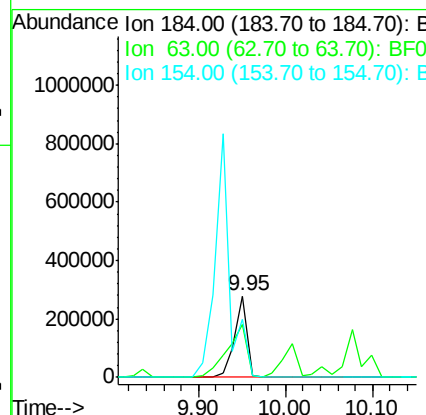
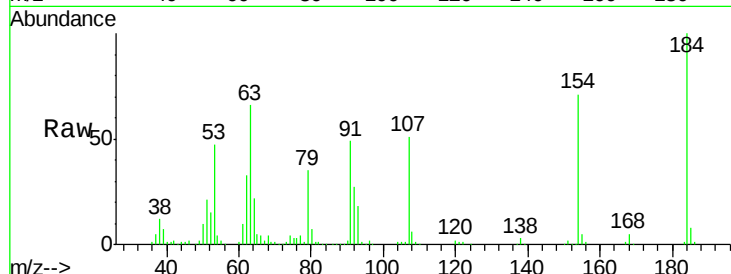
#53
 2,4-Dinitrophenol
 Concen: 89.69 ng
 RT: 9.95 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	279986		
63	65.6	98.6	148.0#	
154	71.2	183.9	275.9#	

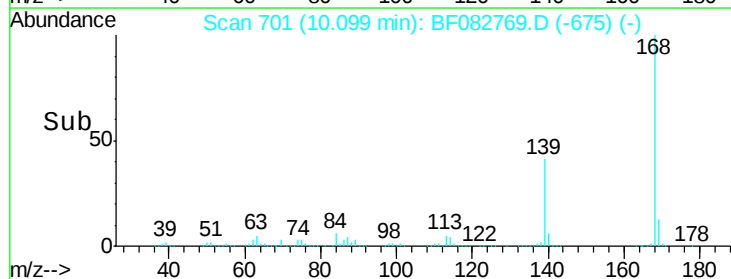
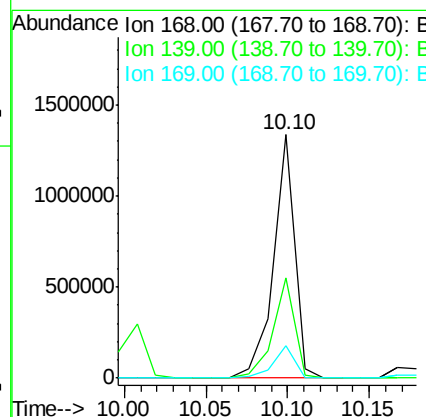
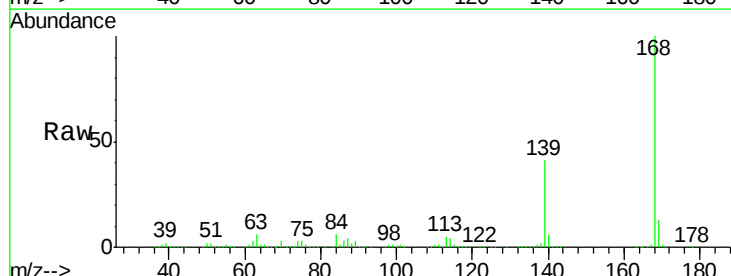
Manual Integrations
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 11/9/2015 2:10:29 PM



#54
 Dibenzofuran
 Concen: 41.63 ng
 RT: 10.10 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1213539		
139	41.4	37.8	56.6	
169	13.4	11.3	16.9	





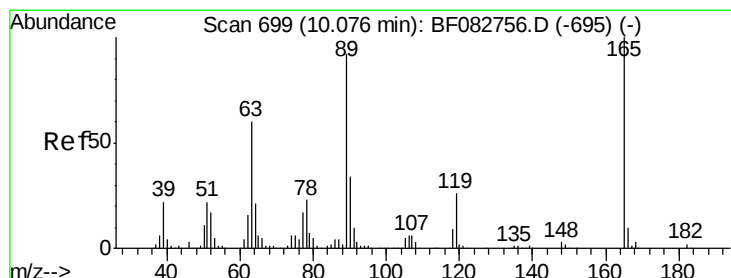
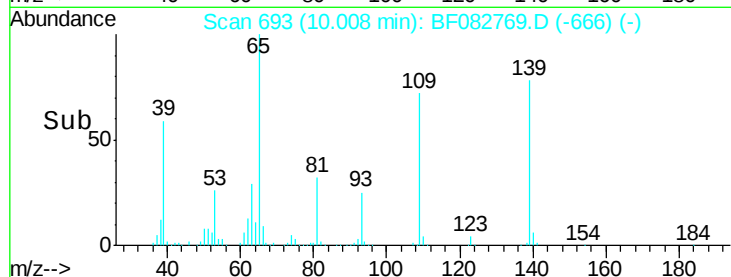
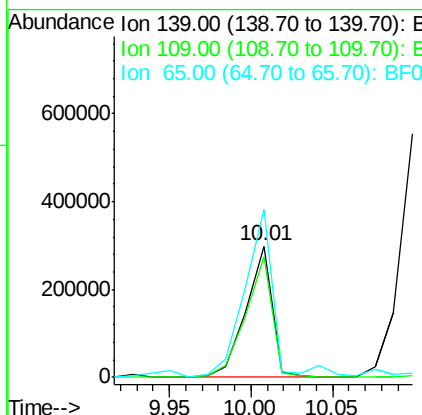
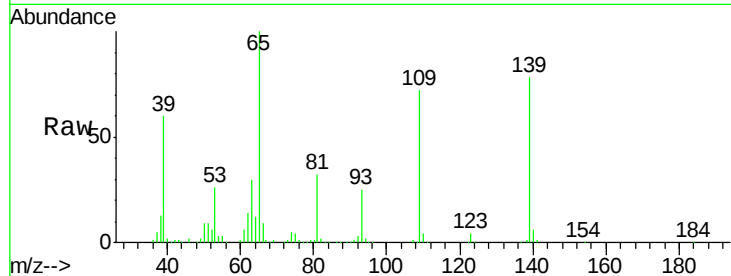
#55
4-Nitrophenol
Concen: 70.41 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	92.4	73.7	113.7	
65	128.2	82.9	122.9	

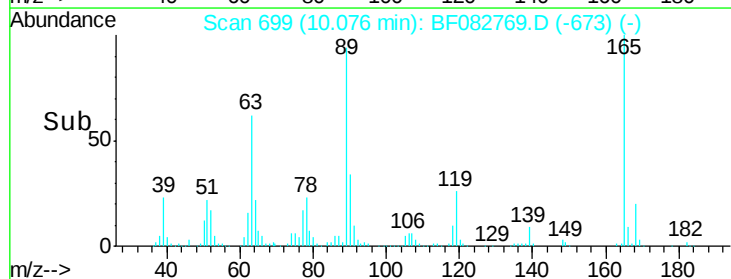
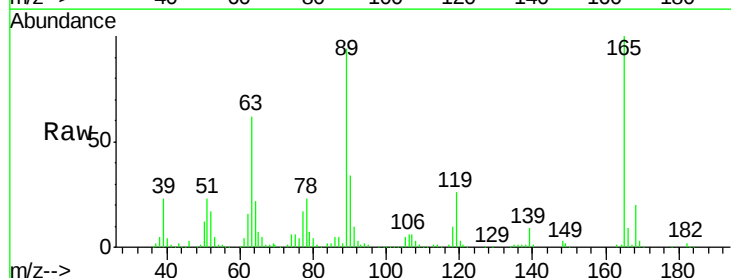
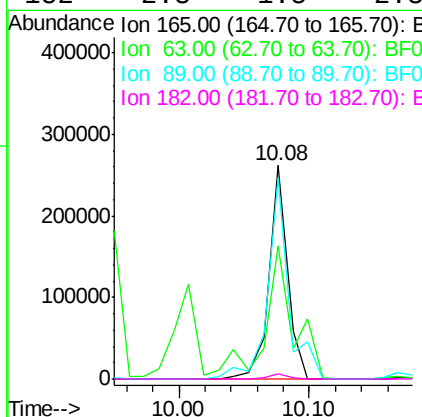
Manual Integrations
APPROVED

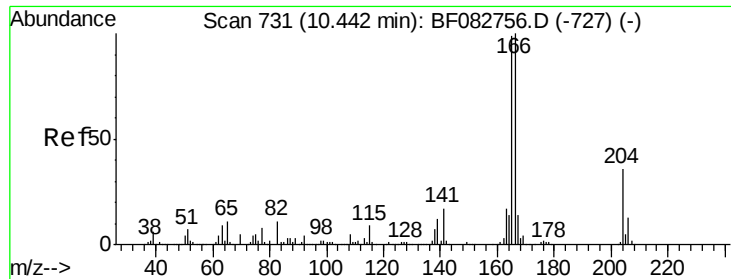
Mmdadoda
11/9/2015 2:10:29 PM



#56
2,4-Dinitrotoluene
Concen: 33.99 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	62.2	43.4	65.0	
89	94.3	70.6	106.0	
182	2.3	1.5	2.3	





#57

Fluorene

Concen: 57.47 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:166 Resp: 1356783

Ion Ratio Lower Upper

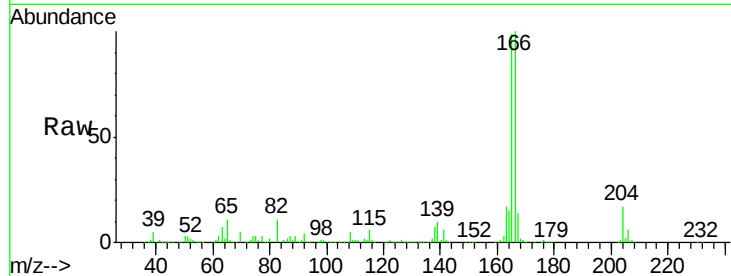
166 100

165 99.5 80.2 120.4

167 14.0 11.2 16.8

Manual Integrations
APPROVED

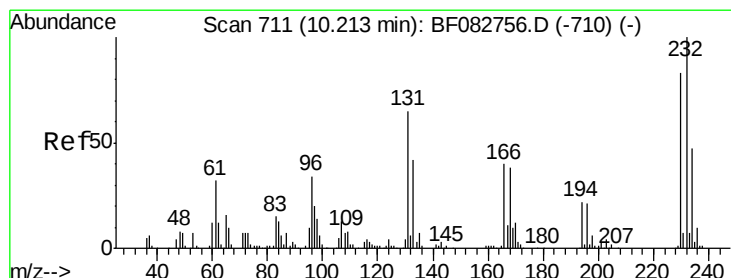
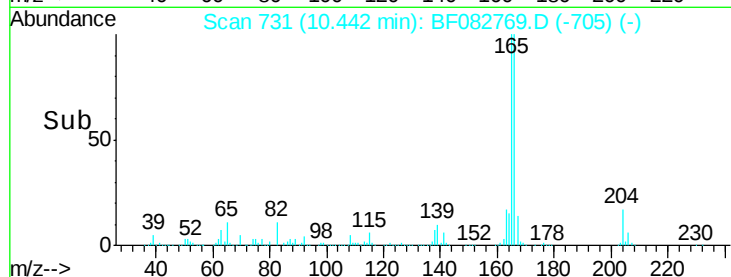
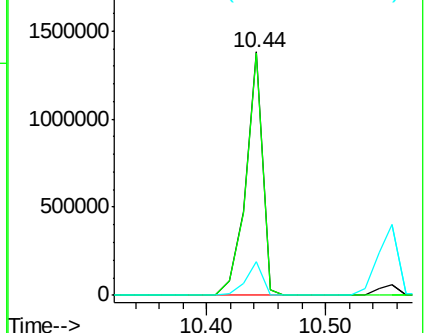
Mmdadoda
11/9/2015 2:10:29 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.85 ng

RT: 10.21 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion:232 Resp: 327490

Ion Ratio Lower Upper

232 100

131 48.0 46.2 69.2

130 2.4 2.4 3.6#

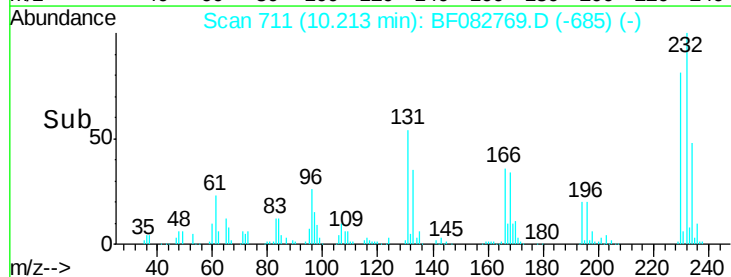
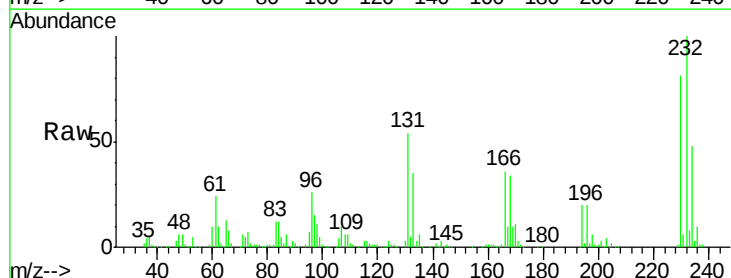
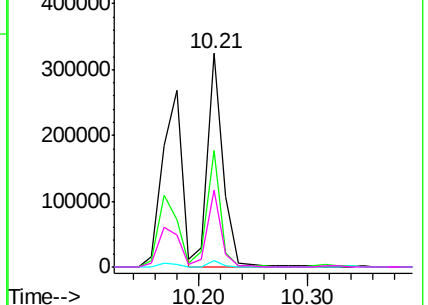
166 31.6 28.2 42.2

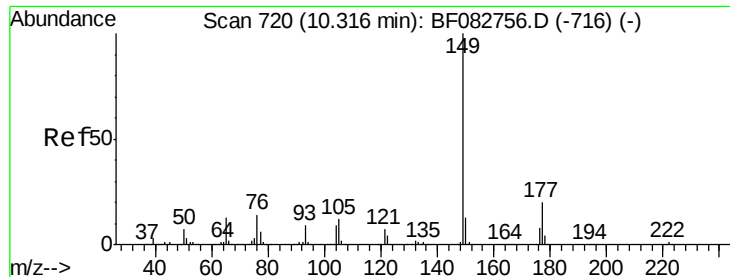
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





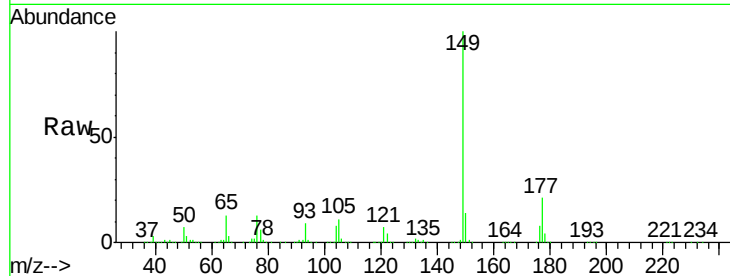
#59
Diethylphthalate
Concen: 54.41 ng
RT: 10.32 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampled :
PB86421BSD

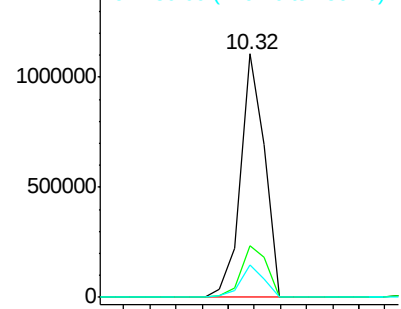
Tot Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.9	26.9
150	13.5	10.1	15.1

Manual Integrations
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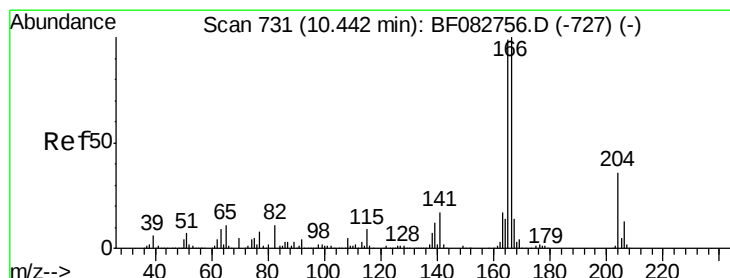
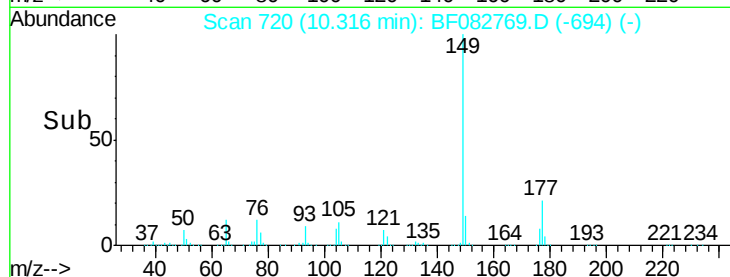
Mmdadoda
11/9/2015 2:10:29 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

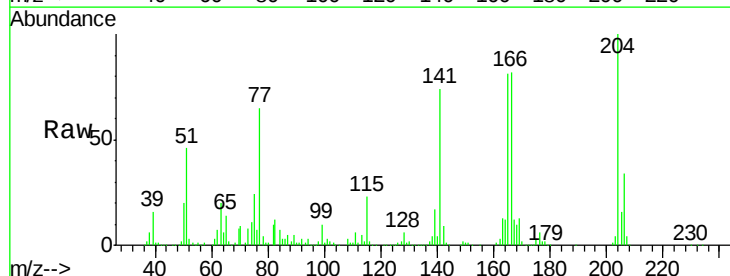


Time-->

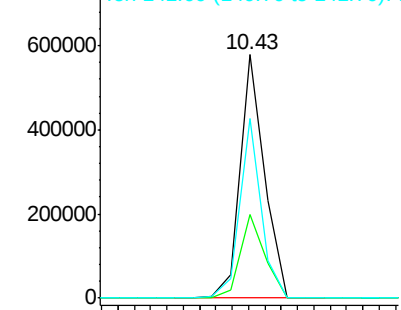


#60
4-Chlorophenyl-phenylether
Concen: 50.53 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

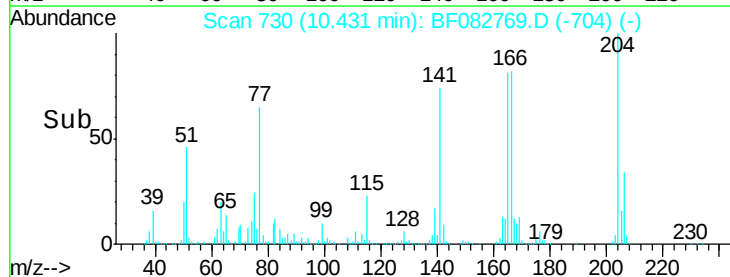
Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.1	28.5	42.7
141	73.7	44.6	66.8

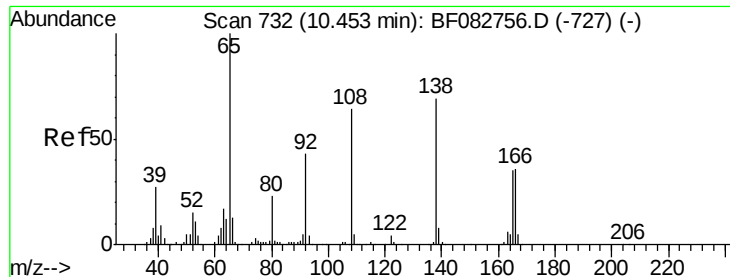


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





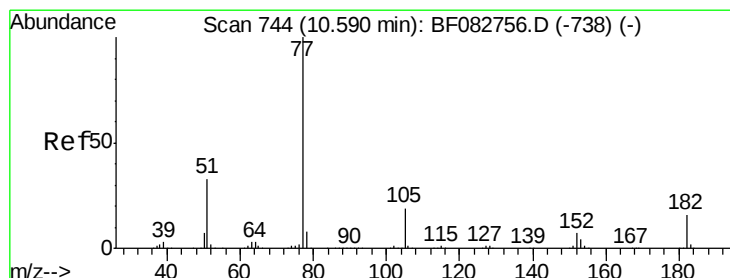
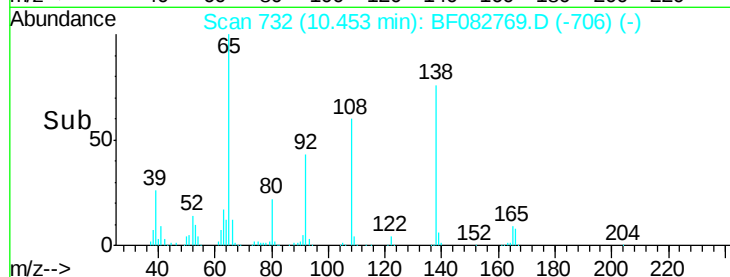
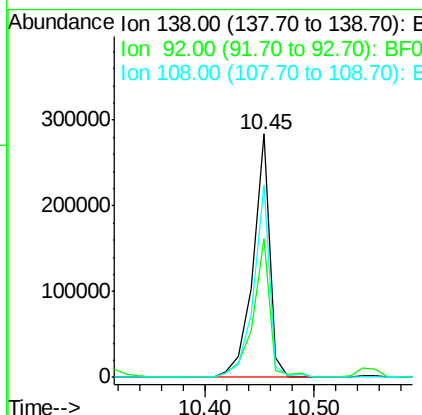
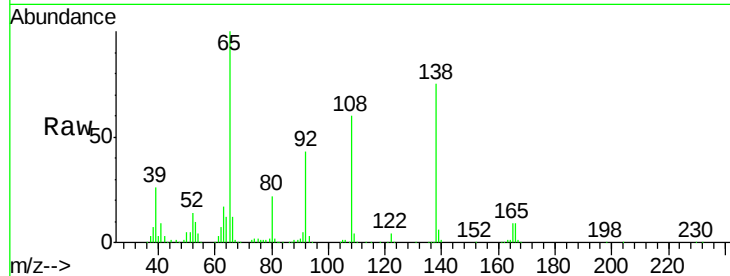
#61
4-Nitroaniline
Concen: 48.57 ng
RT: 10.45 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	56.9	45.8	85.8	
108	79.2	89.4	129.4	

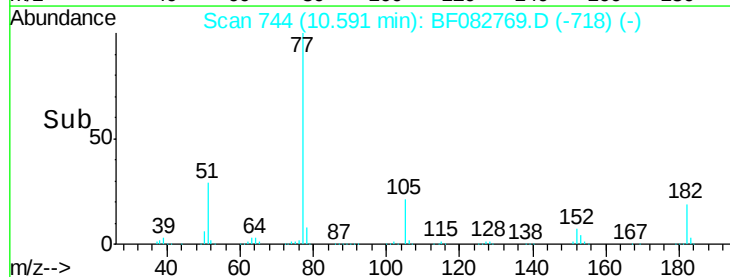
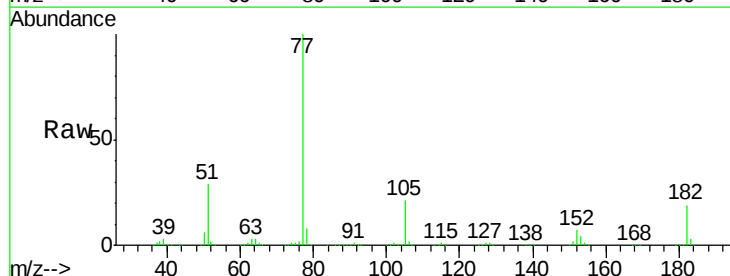
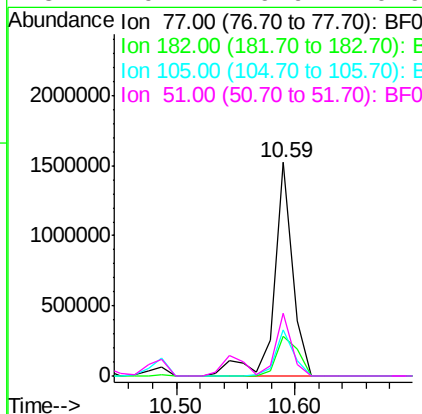
Manual Integrations
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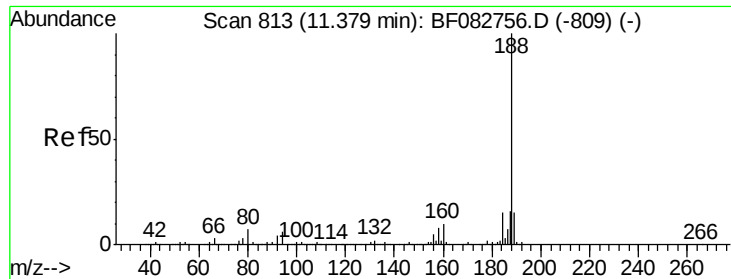
Mmdadoda
11/9/2015 2:10:29 PM



#62
Azobenzene
Concen: 59.54 ng
RT: 10.59 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	18.5	9.3	49.3	
105	21.3	2.6	42.6	
51	29.4	9.9	49.9	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:188 Resp: 915511
Ion Ratio Lower Upper

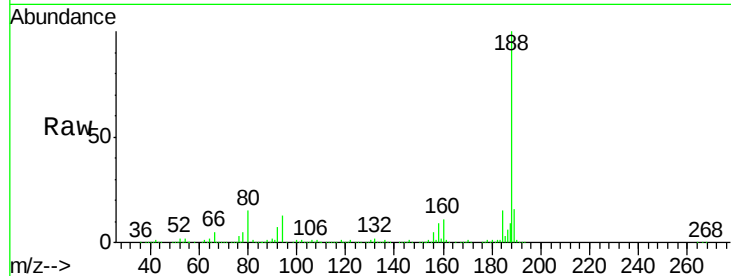
188 100

94 13.0 6.1 9.1#

80 15.1 7.0 10.6#

Manual Integrations
APPROVED

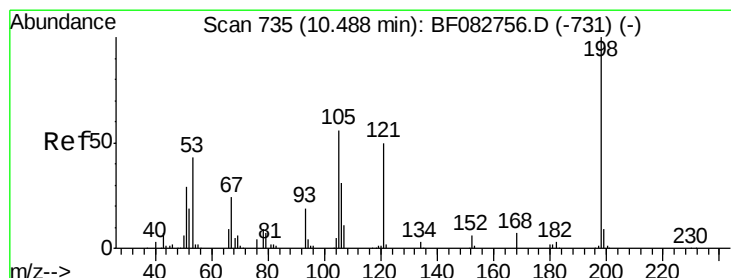
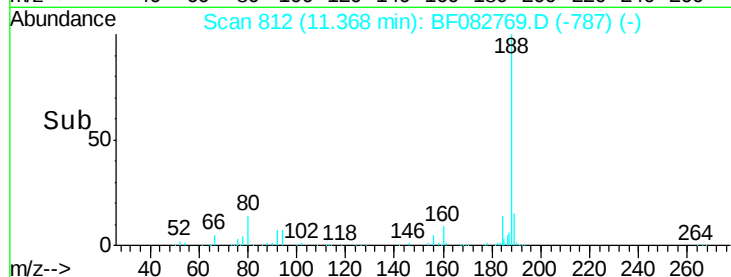
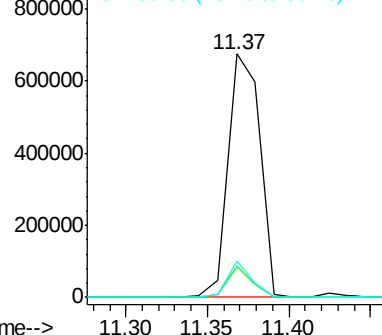
Mmdadoda
11/9/2015 2:10:29 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 43.56 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF082769.D

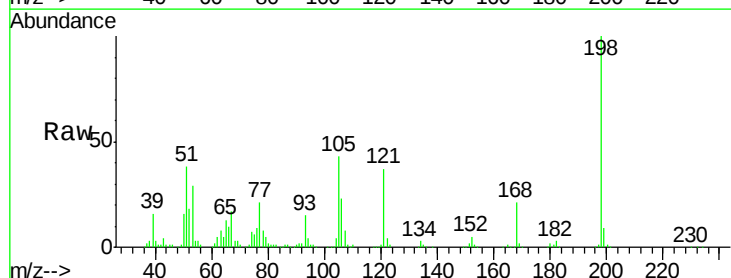
Acq: 6 Nov 2015 19:00

Tgt Ion:198 Resp: 284086
Ion Ratio Lower Upper

198 100

51 37.9 17.3 57.3

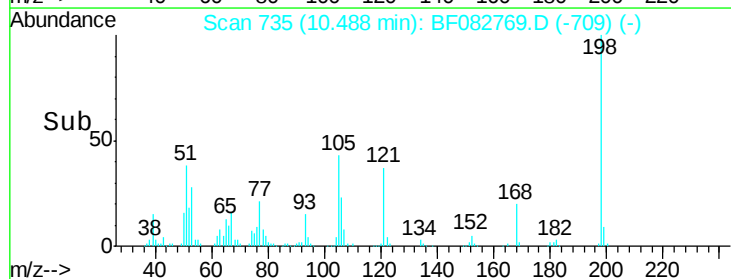
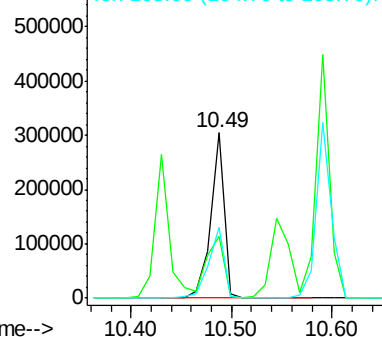
105 43.0 21.7 61.7

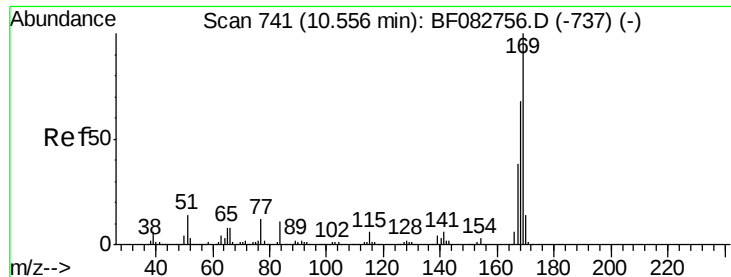


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 38.10 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:169 Resp: 1260247

Ion Ratio Lower Upper

169 100

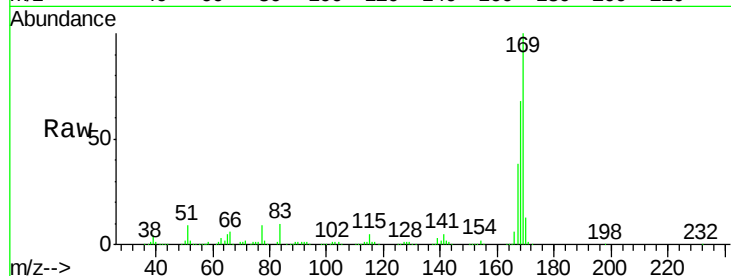
168 67.9 55.0 82.6

167 37.6 30.5 45.7

Manual Integrations
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Mmdadoda

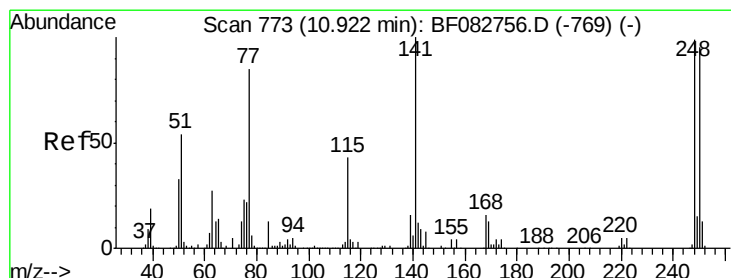
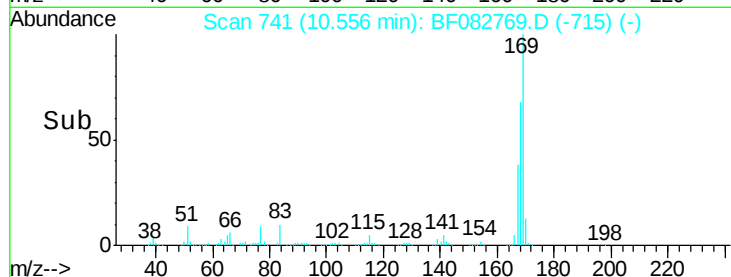
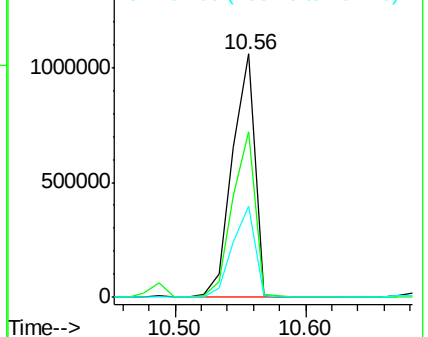
11/9/2015 2:10:29 PM



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: 36.44 ng

RT: 10.92 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

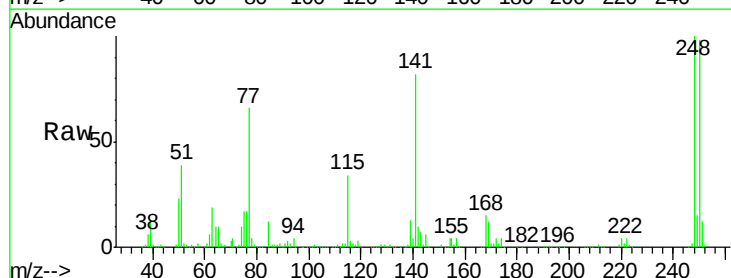
Tgt Ion:248 Resp: 401759

Ion Ratio Lower Upper

248 100

250 97.7 79.4 119.2

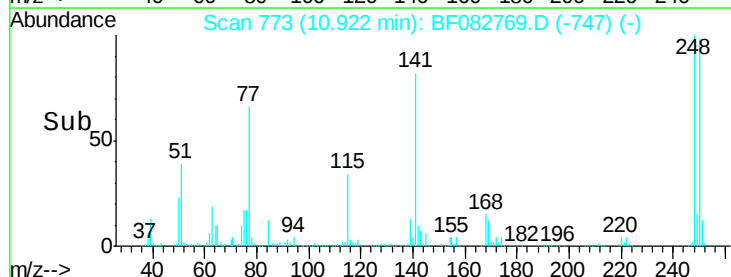
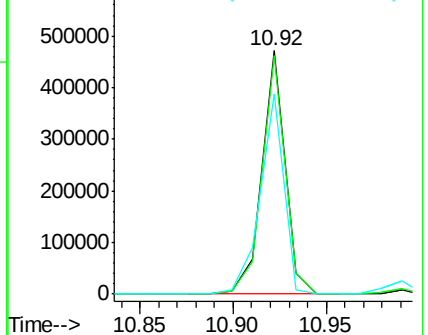
141 81.9 36.3 54.5#

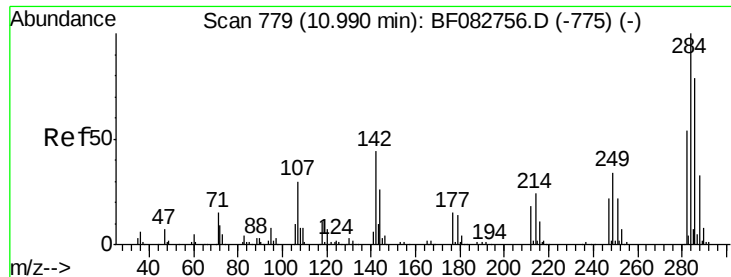


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





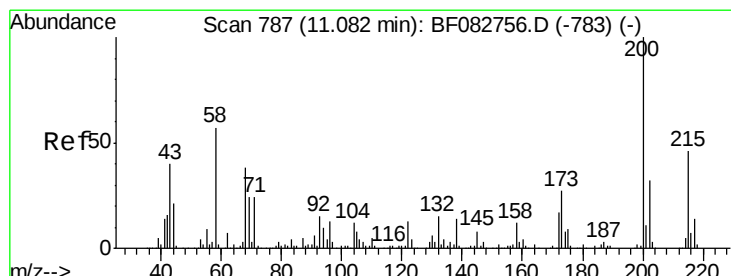
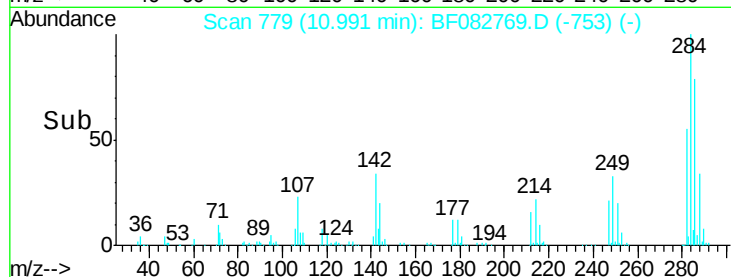
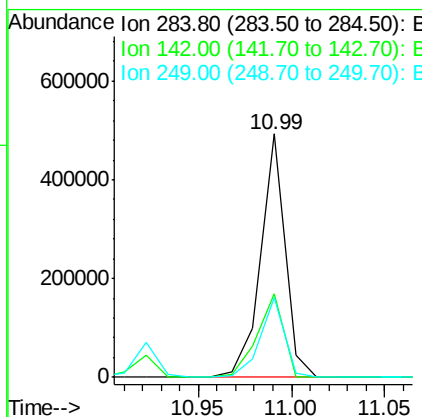
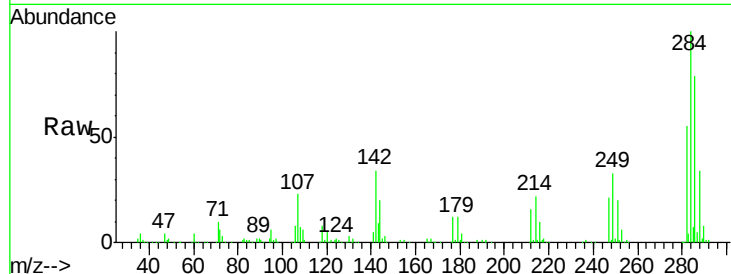
#67
Hexachlorobenzene
Concen: 36.09 ng
RT: 10.99 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
284	100		444230		
142	34.4	47.9	71.9#		
249	32.8	29.7	44.5		

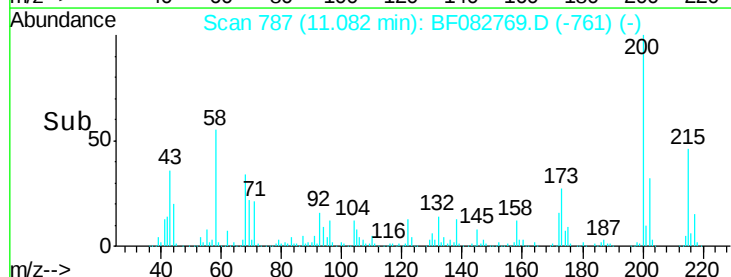
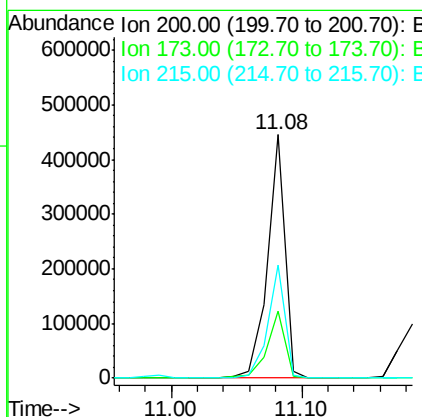
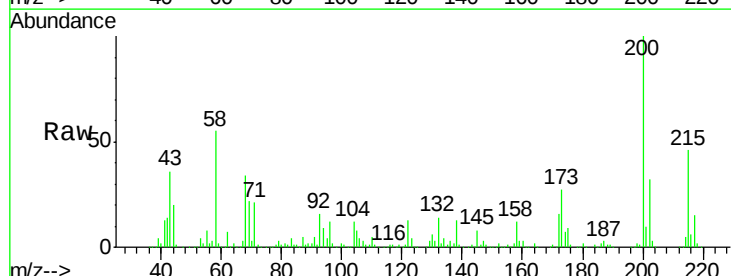
Manual Integrations
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11/9/2015 2:10:29 PM



#68
Atrazine
Concen: 40.89 ng
RT: 11.08 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
200	100		418186		
173	27.5	6.9	46.9		
215	46.3	22.9	62.9		





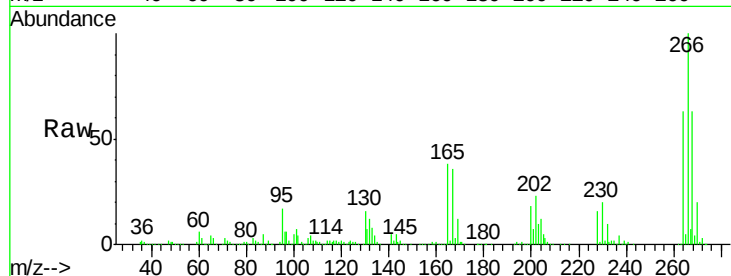
#69
 Pentachlorophenol
 Concen: 78.18 ng
 RT: 11.18 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

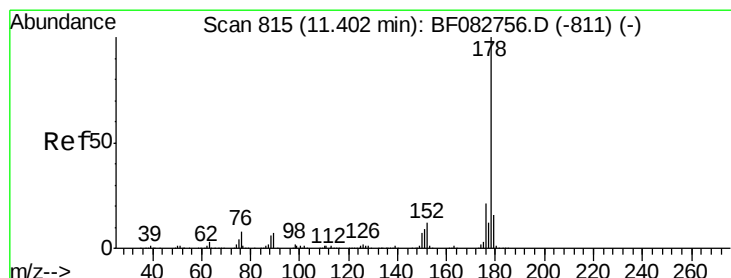
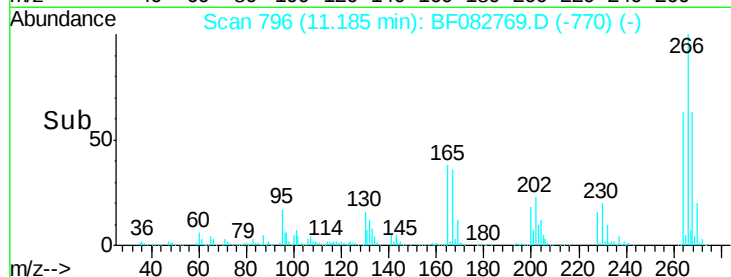
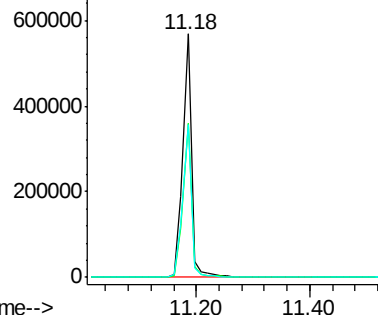
Tot Ion	Ratio	Resp	Lower	Upper
266	100	584397		
268	63.1		51.0	76.6
264	62.6		50.6	75.8

Manual Integrations
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Mmdadoda
 11/9/2015 2:10:29 PM

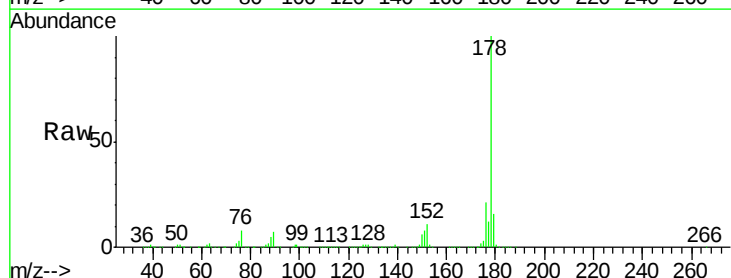


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

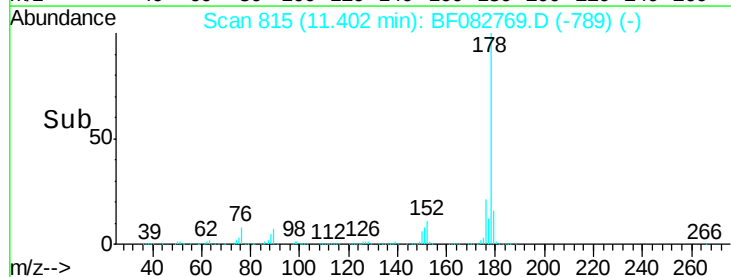
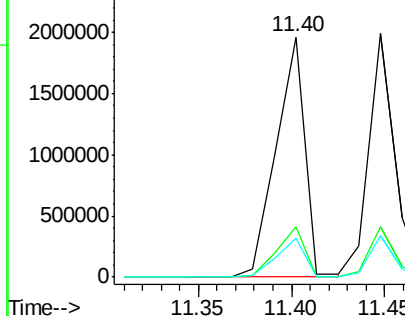


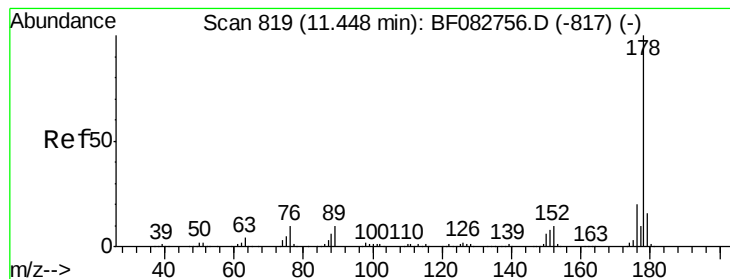
#70
 Phenanthrene
 Concen: 39.43 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2096572		
176	20.8		17.0	25.4
179	16.4		13.4	20.0



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





#71

Anthracene

Concen: 33.49 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:178 Resp: 1875608

Ion Ratio Lower Upper

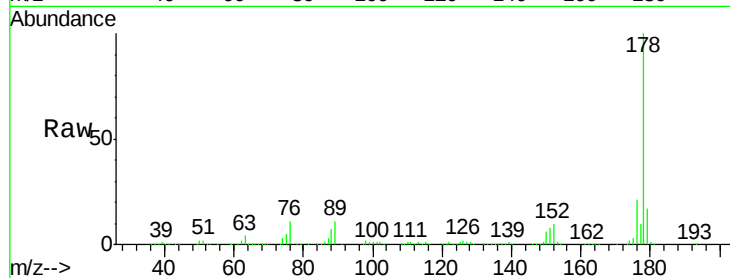
178 100

176 20.8 16.5 24.7

179 16.8 13.2 19.8

Manual Integrations
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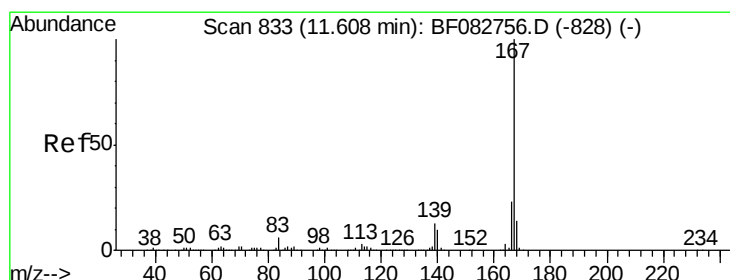
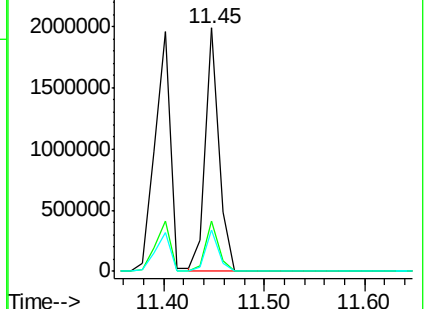
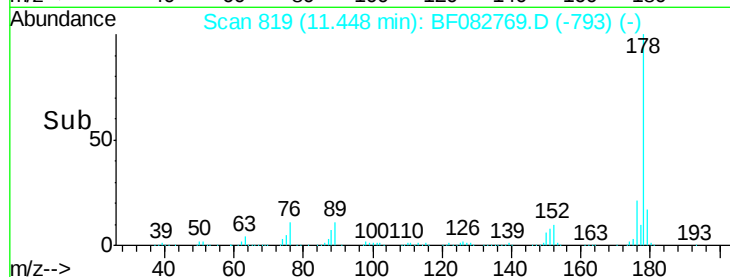
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11/9/2015 2:10:29 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 38.33 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

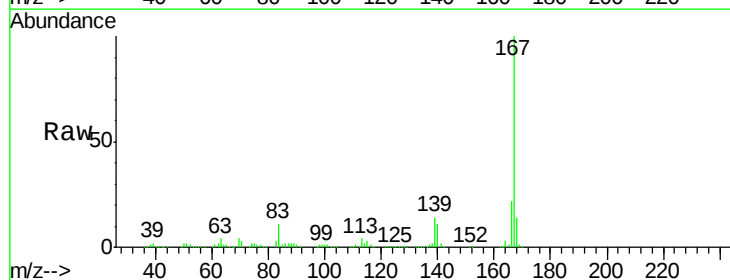
Tgt Ion:167 Resp: 1879264

Ion Ratio Lower Upper

167 100

166 22.4 18.7 28.1

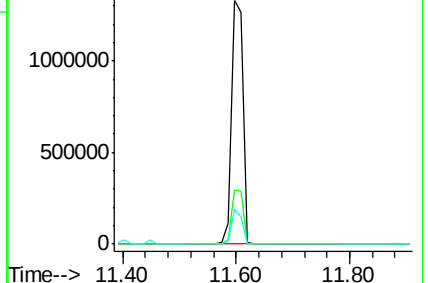
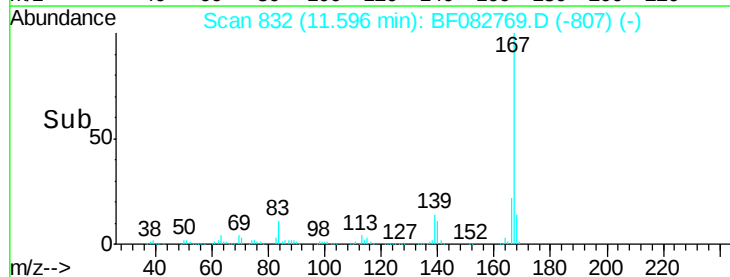
139 14.3 11.8 17.6

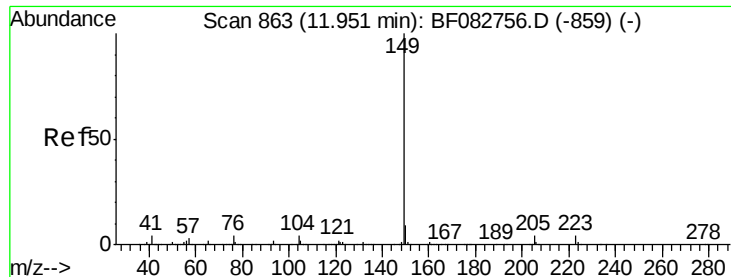


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 35.00 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:149 Resp: 2137732

Ion Ratio Lower Upper

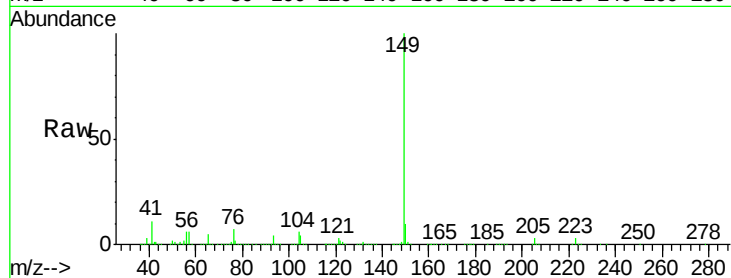
149 100

150 10.2 8.1 12.1

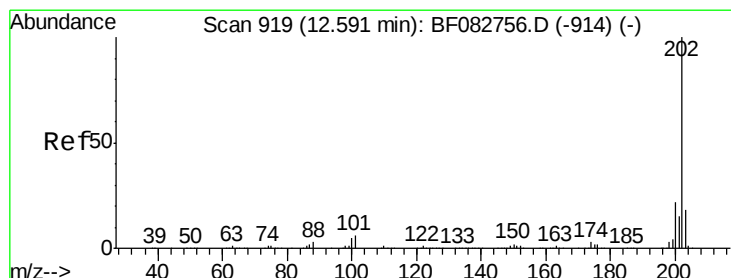
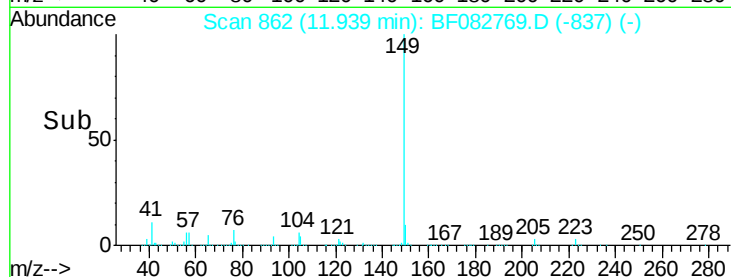
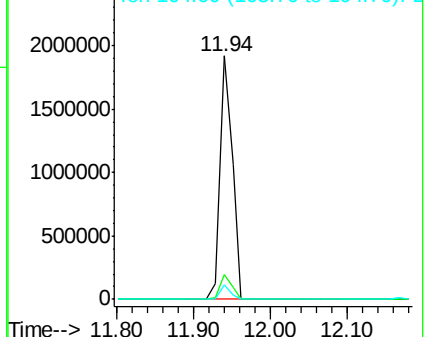
104 6.1 5.2 7.8

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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: 36.08 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

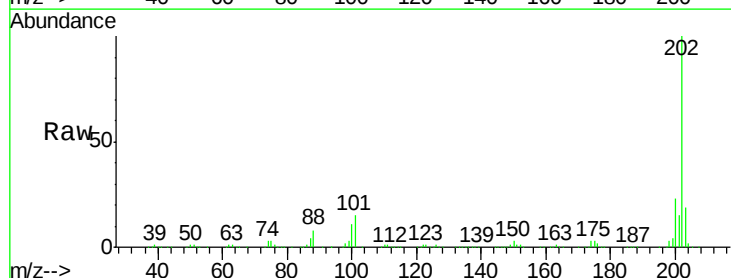
Tgt Ion:202 Resp: 2058682

Ion Ratio Lower Upper

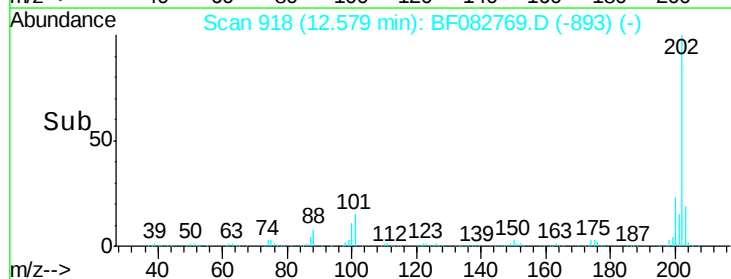
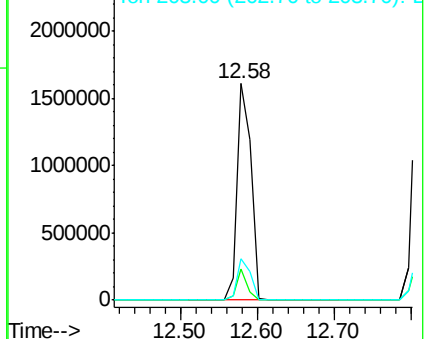
202 100

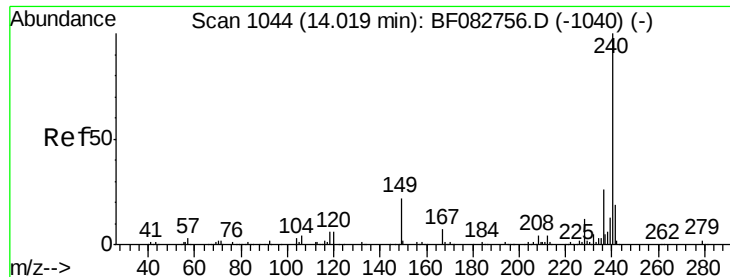
101 14.6 0.0 30.5

203 19.0 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

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

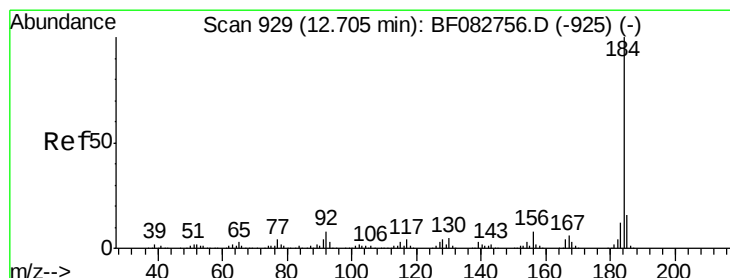
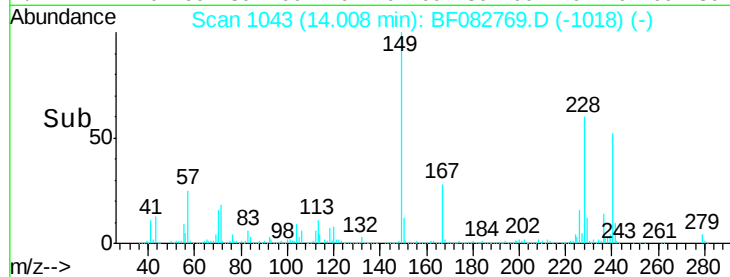
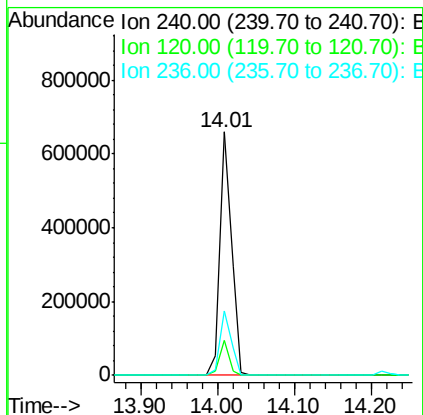
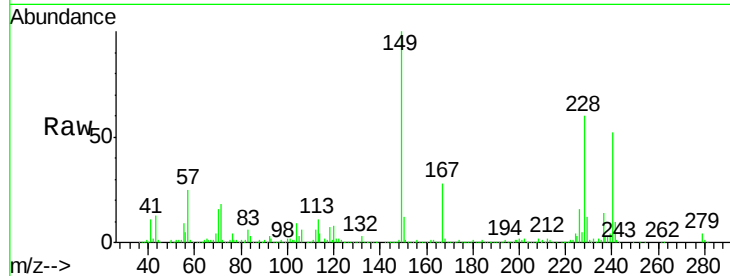
ClientSampleId :

PB86421BSD

Tot Ion:	240	Resp:	703588
Ion Ratio		Lower	Upper
240	100		
120	14.5	10.9	16.3
236	26.5	21.6	32.4

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#76

Benzidine

Concen: 26.31 ng

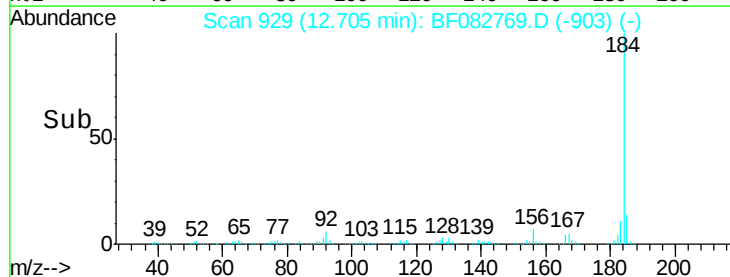
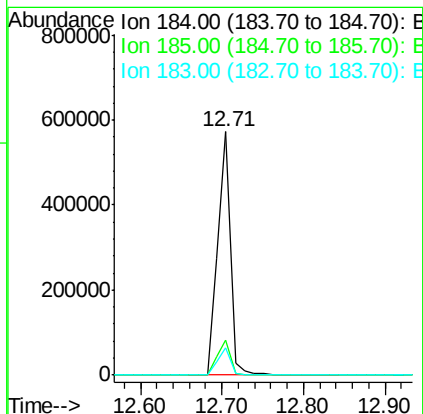
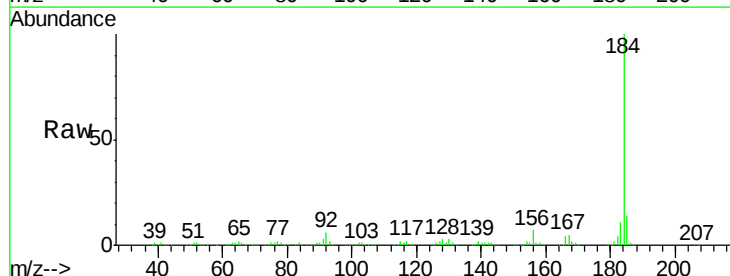
RT: 12.71 min Scan# 929

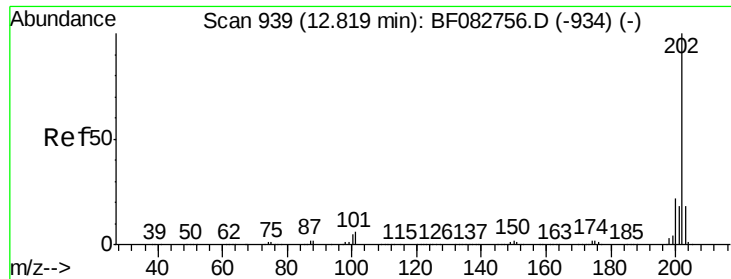
Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion:	184	Resp:	620405
Ion Ratio		Lower	Upper
184	100		
185	14.3	12.0	18.0
183	11.4	9.6	14.4





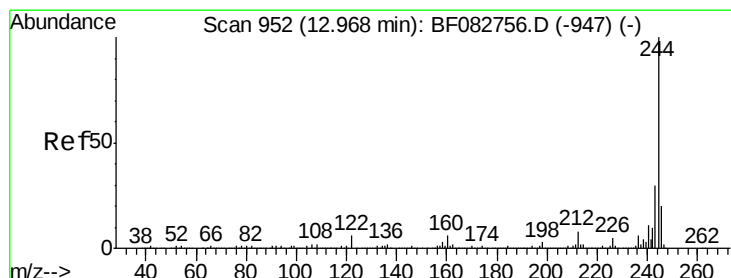
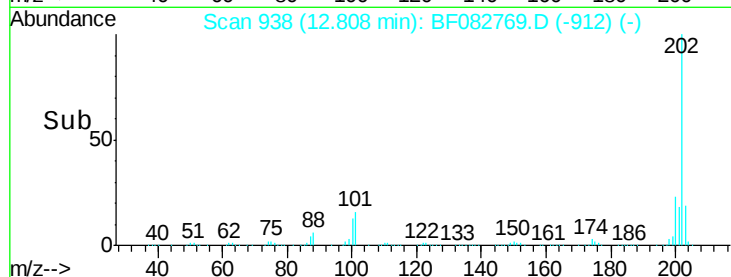
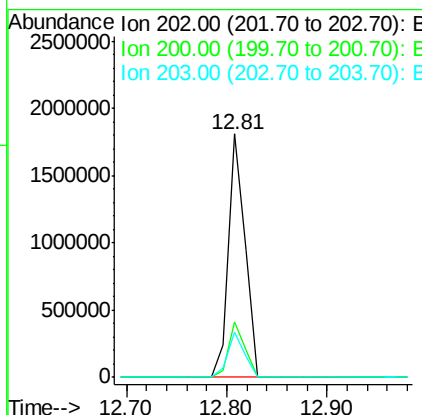
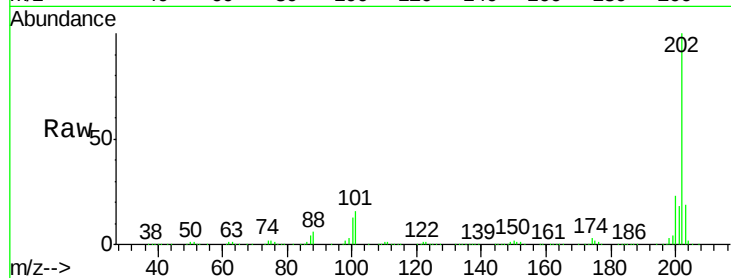
#77
Pvrene
Concen: 43.01 ng
RT: 12.81 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.7	28.1
203	18.8	14.8	22.2

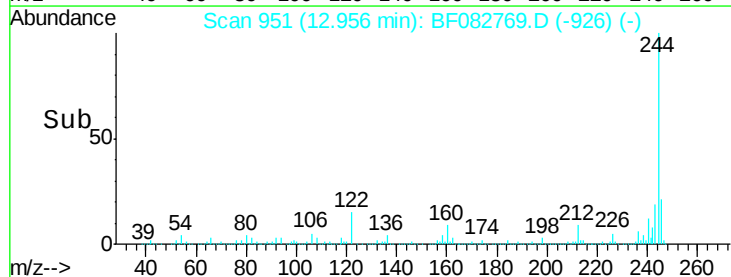
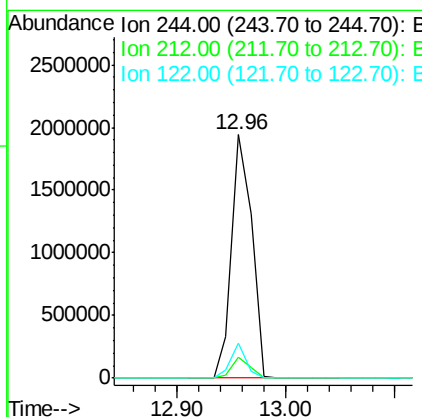
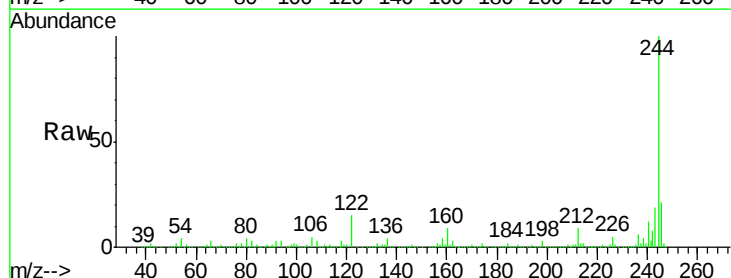
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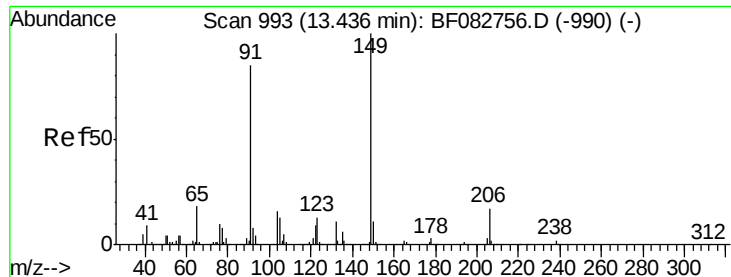
Mmdadoda
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#78
Terphenyl-d14
Concen: 83.38 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.6	11.4
122	14.5	11.3	16.9





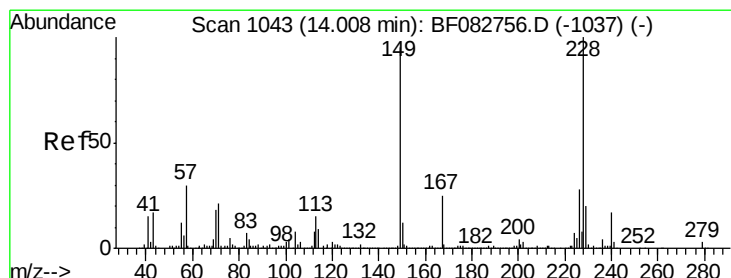
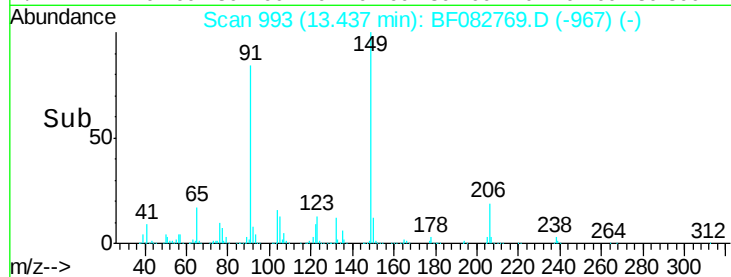
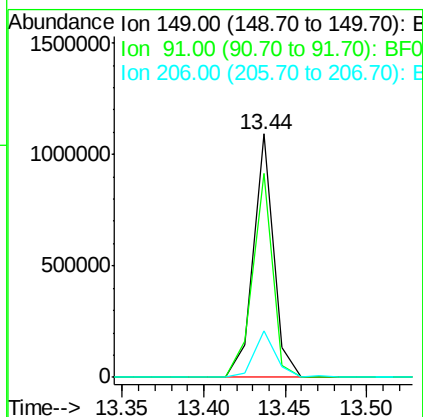
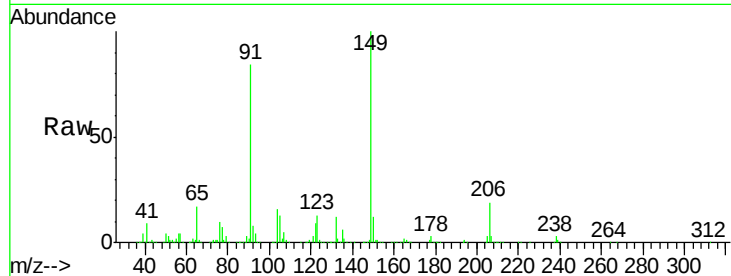
#79
Butylbenzylphthalate
Concen: 44.19 ng
RT: 13.44 min Scan# 993
Delta R.T. 0.00 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	83.8	67.7	101.5
206	19.1	14.6	22.0

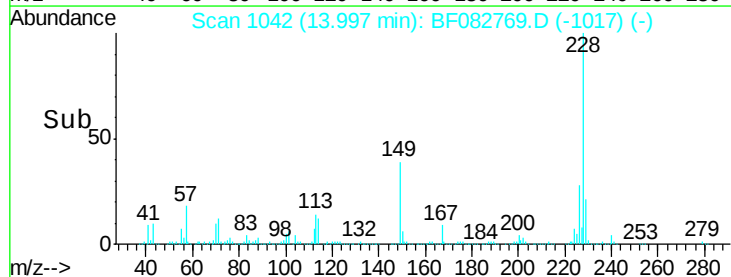
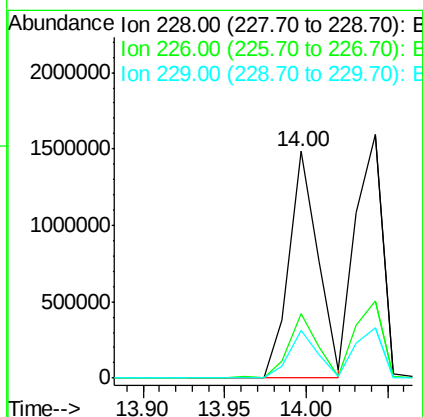
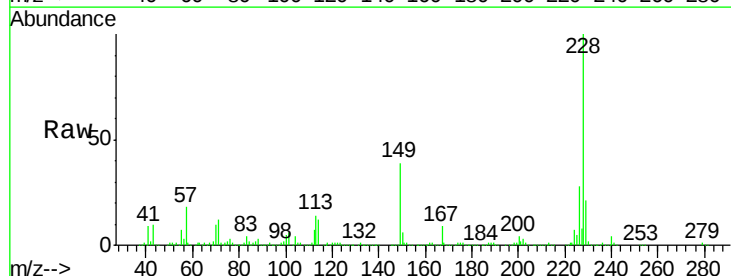
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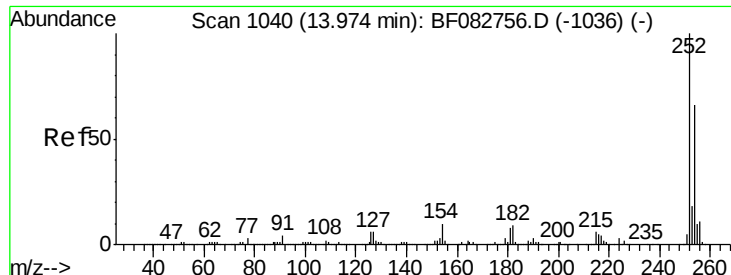
Mmdadoda
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#80
Benzo(a)anthracene
Concen: 41.83 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.4	35.2
229	20.9	16.3	24.5





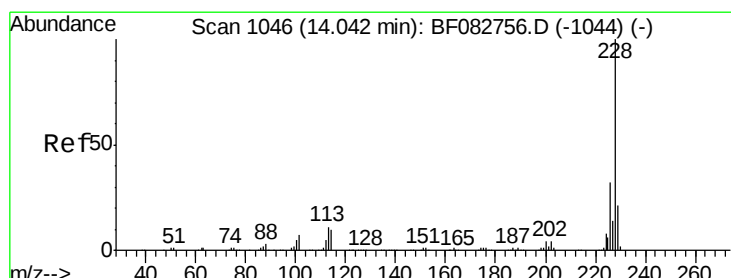
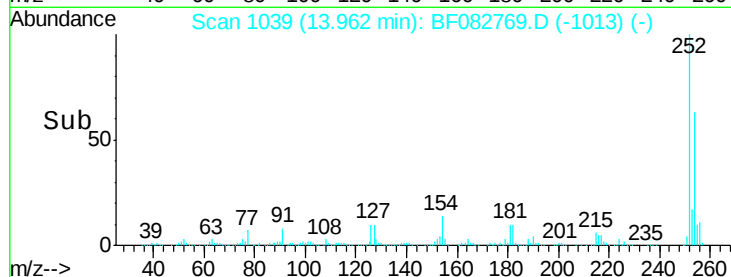
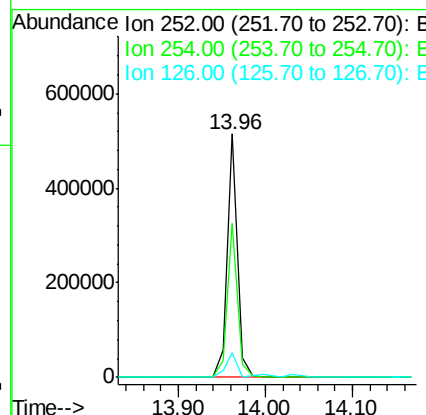
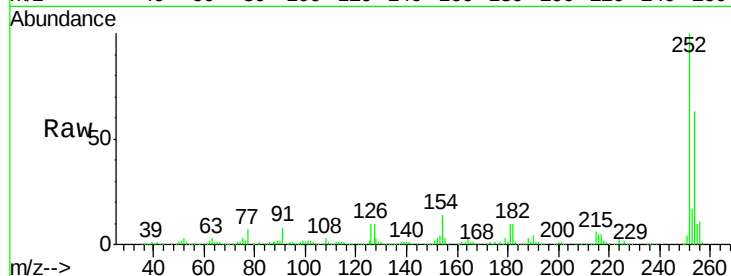
#81
 3,3'-Dichlorobenzidine
 Concen: 27.26 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	63.5	51.4	77.0
126	10.4	10.7	16.1

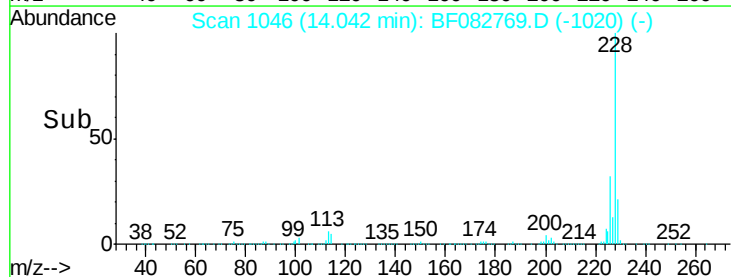
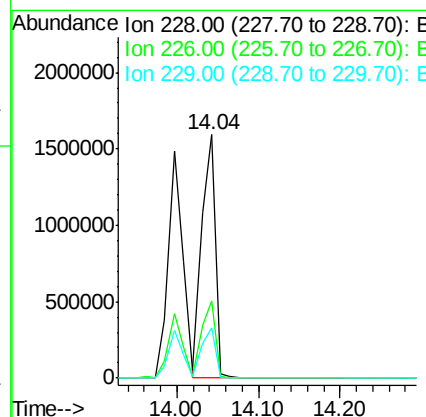
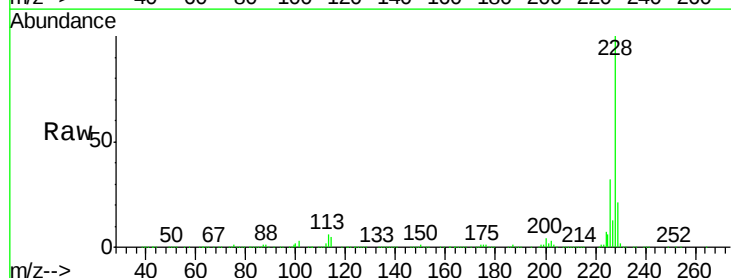
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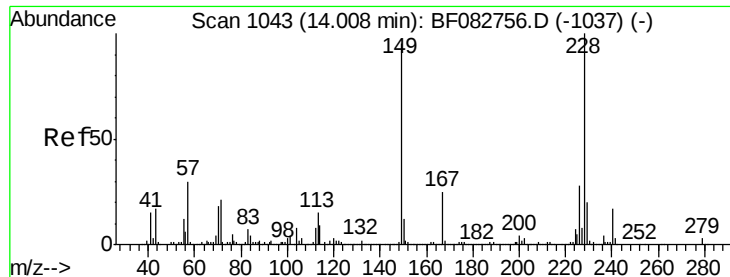
Mmdadoda
 11/9/2015 2:10:29 PM



#82
 Chrysene
 Concen: 46.58 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.9	25.5	38.3
229	20.5	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.58 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

ClientSampleId :

PB86421BSD

Tot Ion:149 Resp: 1302480

Ion Ratio Lower Upper

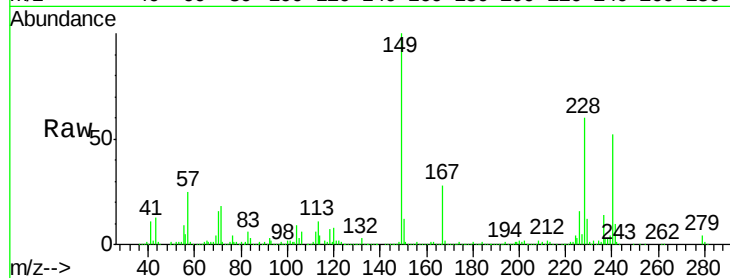
149 100

167 28.1 21.2 31.8

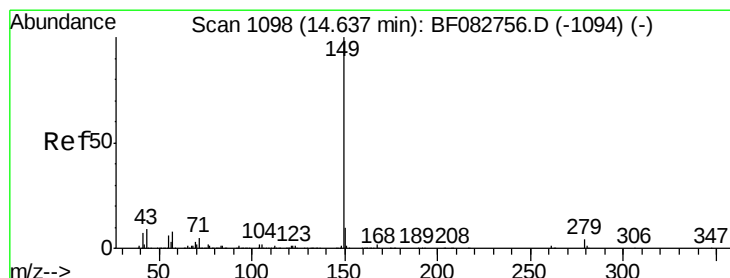
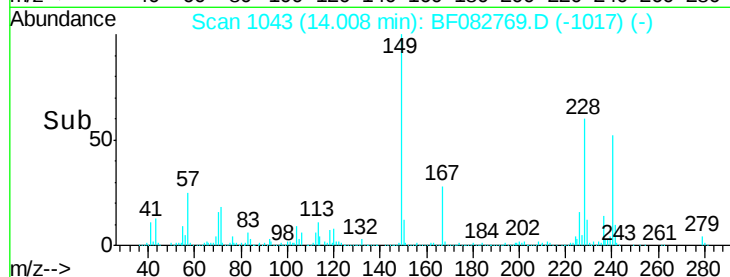
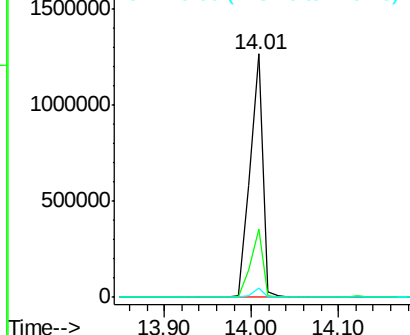
279 3.9 2.2 3.2#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 44.37 ng

RT: 14.61 min Scan# 1096

Delta R.T. -0.02 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

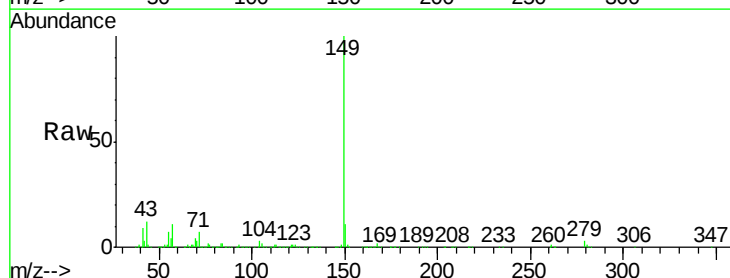
Tgt Ion:149 Resp: 2162340

Ion Ratio Lower Upper

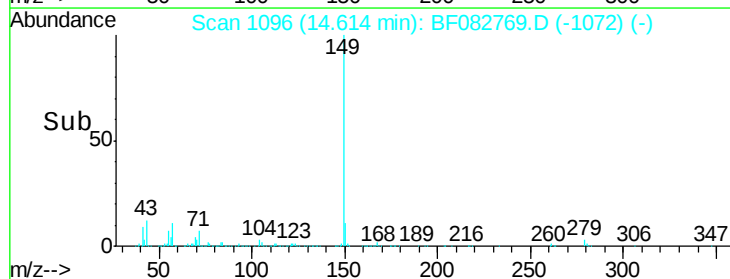
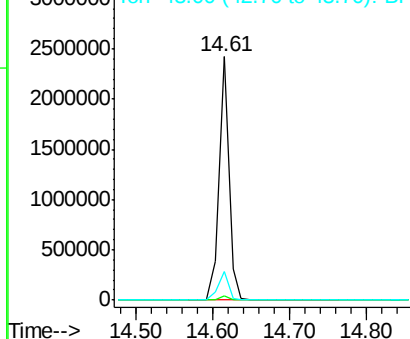
149 100

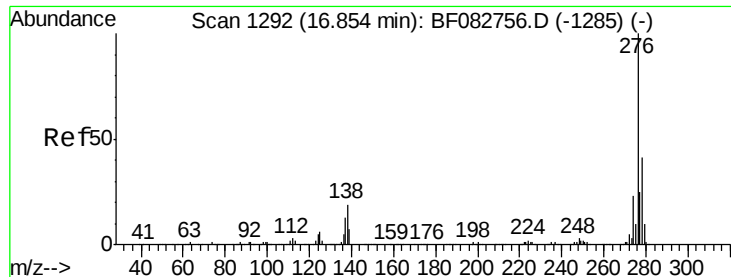
167 1.7 1.3 1.9

43 11.8 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 44.29 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.03 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Instrument :

BNA_F

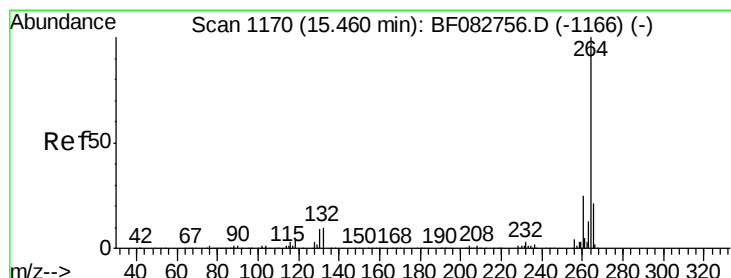
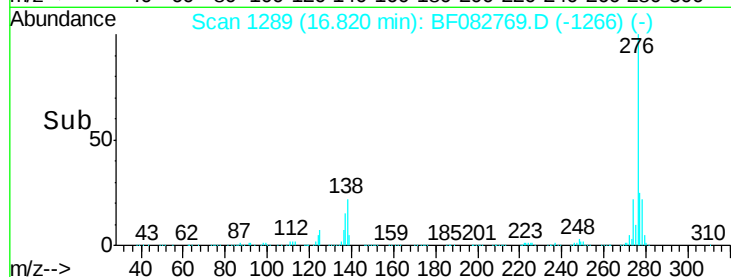
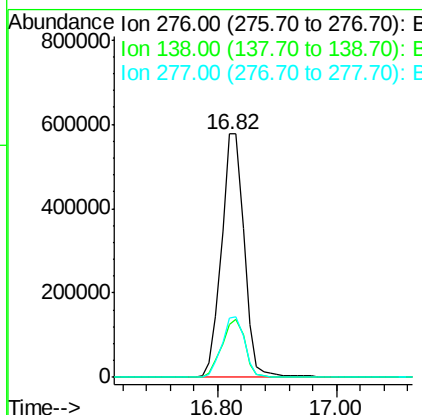
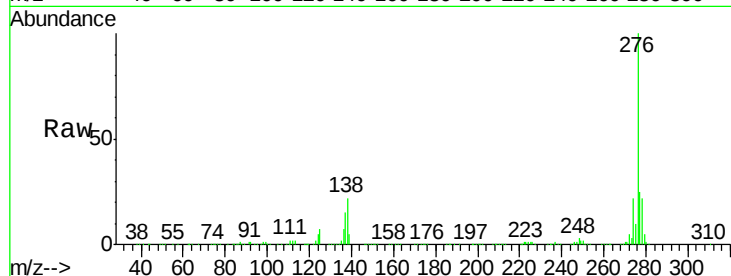
ClientSampleId :

PB86421BSD

Tot Ion:	276	Resp:	1537281
Ion Ratio	Lower	Upper	
276	100		
138	24.5	15.3	22.9#
277	25.4	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

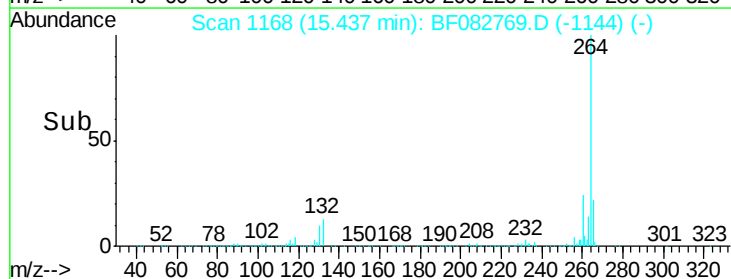
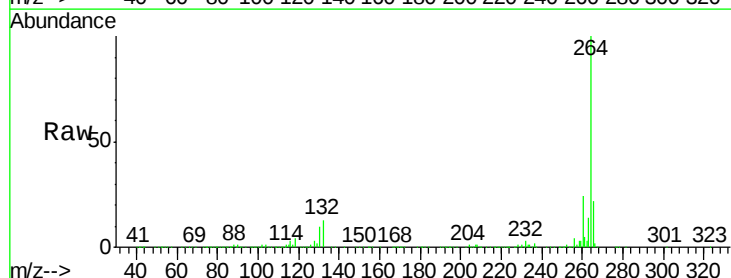
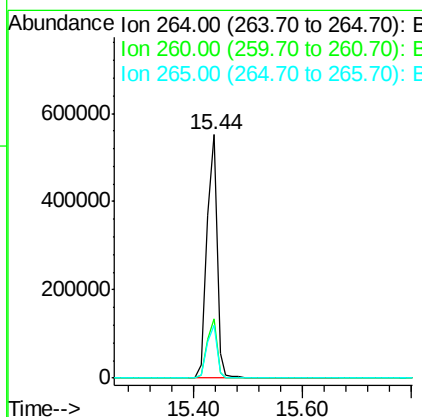
RT: 15.44 min Scan# 1168

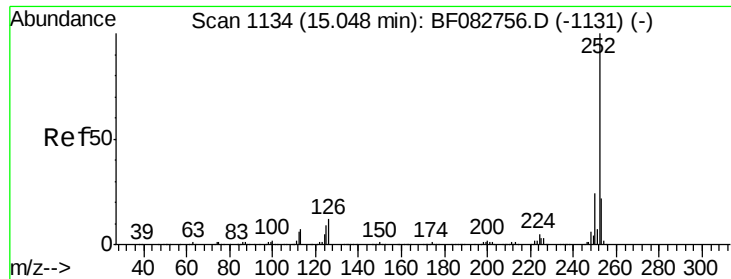
Delta R.T. -0.02 min

Lab File: BF082769.D

Acq: 6 Nov 2015 19:00

Tgt Ion:	264	Resp:	707304
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.8	29.6
265	21.7	17.4	26.0





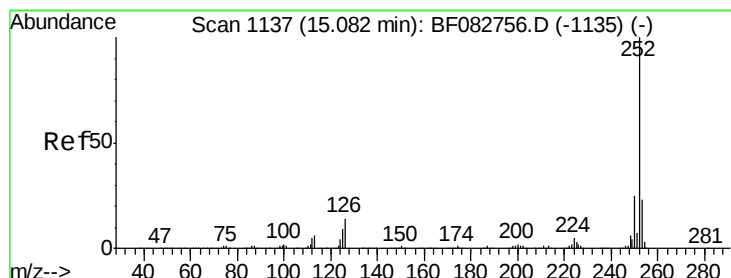
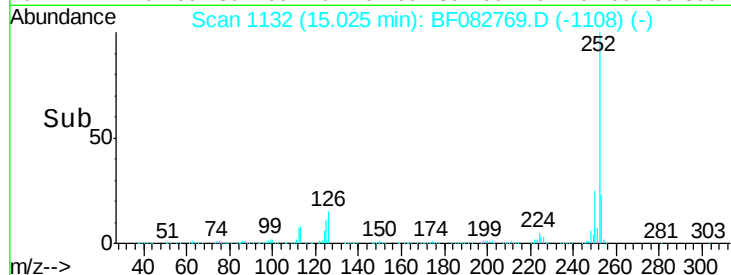
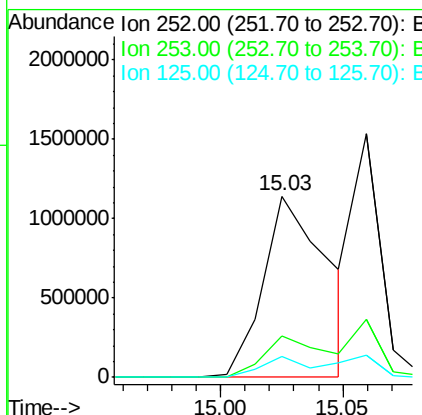
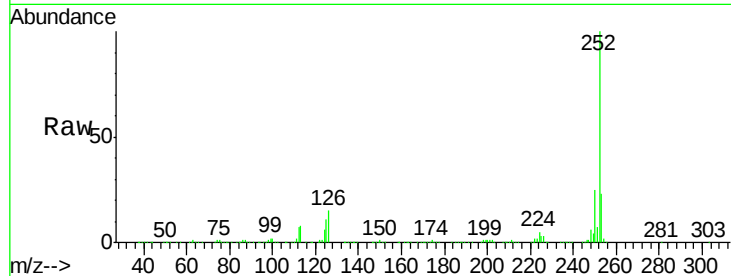
#87
Benzo(b)fluoranthene
Concen: 46.21 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion:252 Resp: 2098170
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.3 5.4 8.2#

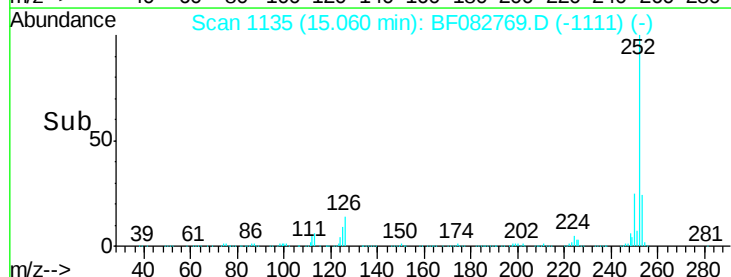
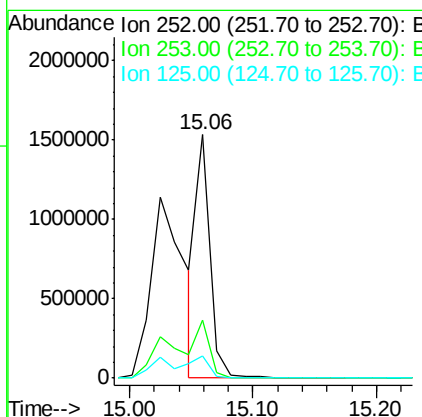
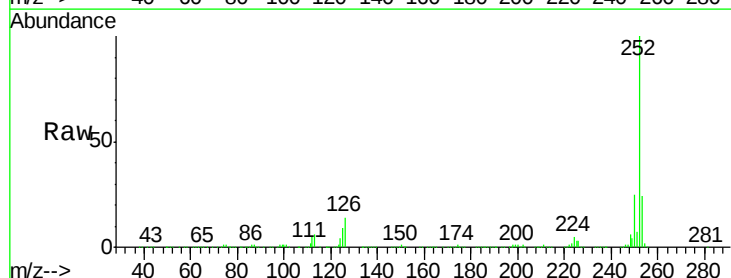
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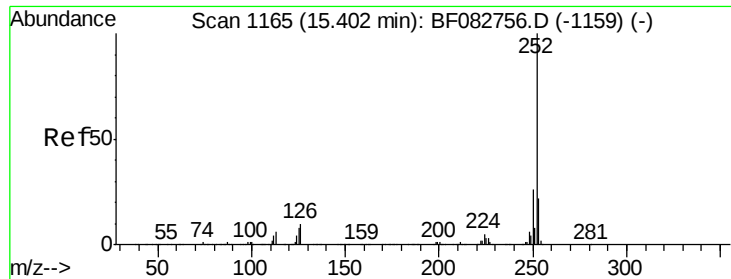
Mmdadoda
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#88
Benzo(k)fluoranthene
Concen: 30.12 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion:252 Resp: 1213241
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 9.3 3.5 5.3#





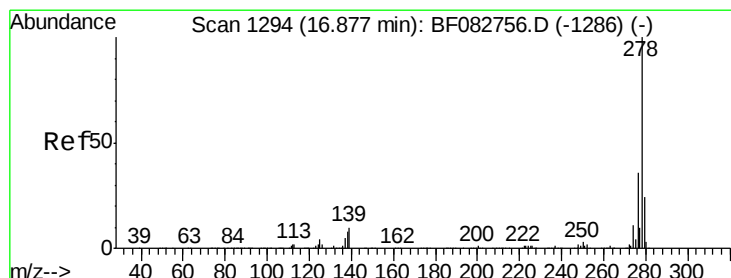
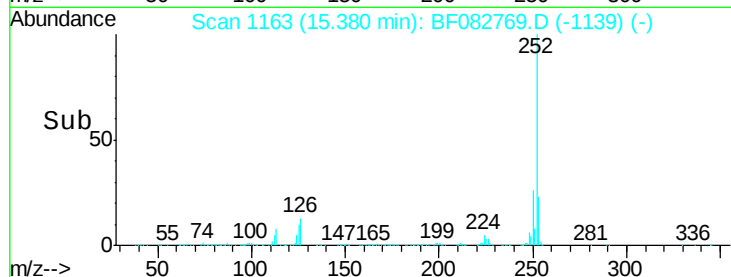
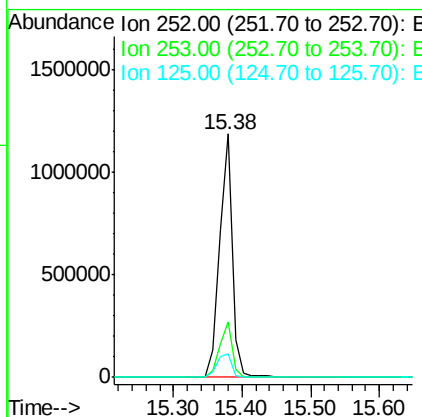
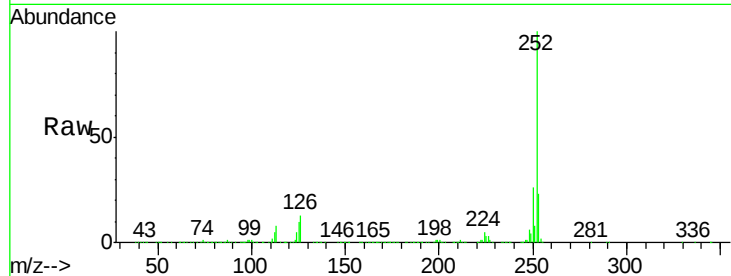
#89
Benzo(a)pyrene
Concen: 39.76 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.02 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Instrument :
BNA_F
ClientSampleId :
PB86421BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.6	7.1	10.7

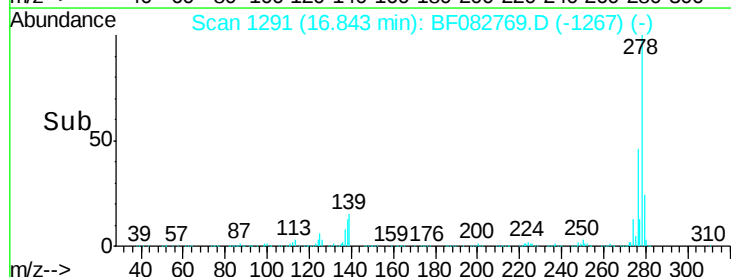
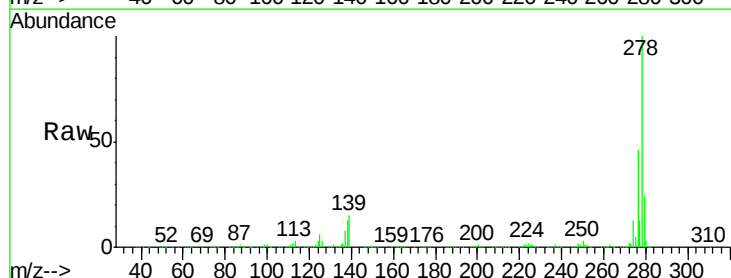
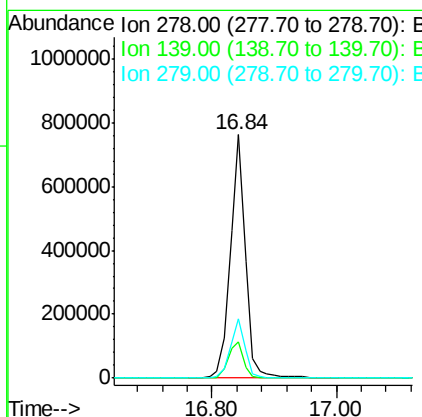
Manual Integrations
APPROVED

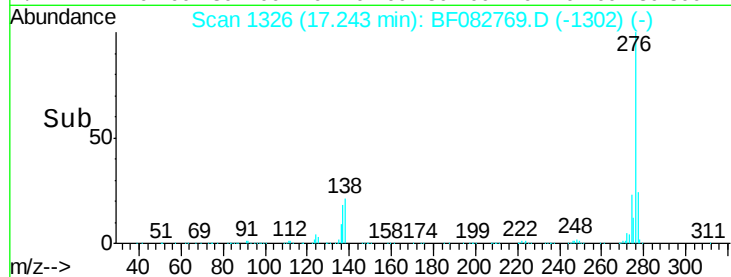
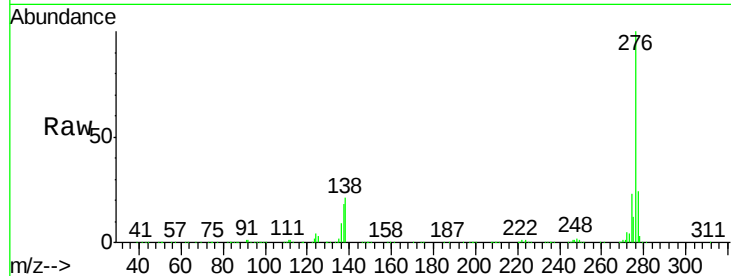
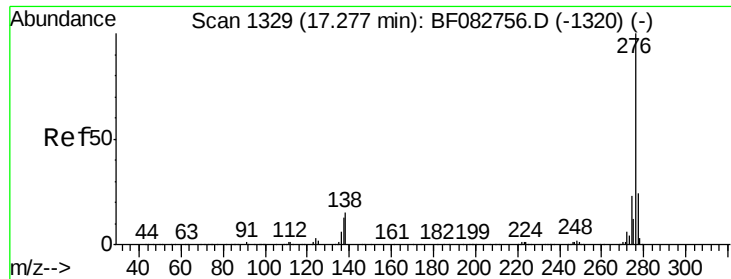
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11/9/2015 2:10:29 PM



#90
Dibenzo(a,h)anthracene
Concen: 38.72 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF082769.D
Acq: 6 Nov 2015 19:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	9.9	14.9#
279	24.3	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 39.44 ng
 RT: 17.24 min Scan# 1326
 Delta R.T. -0.02 min
 Lab File: BF082769.D
 Acq: 6 Nov 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 PB86421BSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	21.4	13.1	19.7

Manual Integrations
 APPROVED

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 11/9/2015 2:10:29 PM

