

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
 Data File : BF082198.D
 Acq On : 11 Oct 2015 2:12
 Operator : UM/IZ
 Sample : G3906-09MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Manual Integrations
 APPROVED

MMDadoda
 10/12/2015 2:38:01 PM

Quant Time: Oct 12 03:46:48 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 02:59:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	95807	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	374641	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	189112	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	358902	20.00	ng	0.00
75) Chrysene-d12	14.01	240	320949	20.00	ng	0.00
86) Perylene-d12	15.44	264	263494	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	469211	98.84	ng	0.01
7) Phenol-d6	6.47	99	407761	66.01	ng	-0.01
23) Nitrobenzene-d5	7.42	82	607767	108.94	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	263208	148.41	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1214686	106.52	ng	0.00
78) Terphenyl-d14	12.96	244	1245855	102.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	56019	23.49	ng	96
3) Pyridine	3.20	79	107824	19.44	ng	99
4) n-Nitrosodimethylamine	3.15	42	57606	24.48	ng	95
6) Aniline	6.50	93	225891	28.36	ng	97
8) 2-Chlorophenol	6.63	128	239159	41.27	ng	99
9) Benzaldehyde	6.39	77	167671	53.15	ng	96
10) Phenol	6.49	94	157432	22.10	ng	97
11) bis(2-Chloroethyl)ether	6.58	93	284861	47.29	ng	95
12) 1,3-Dichlorobenzene	6.78	146	295682	43.81	ng	99
13) 1,4-Dichlorobenzene	6.86	146	310487	44.05	ng	99
14) 1,2-Dichlorobenzene	7.01	146	274701	41.05	ng	98
15) Benzyl Alcohol	6.98	79	166458	39.03	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	378003	45.07	ng	99
17) 2-Methylphenol	7.10	107	172676	37.68	ng	99
18) Hexachloroethane	7.35	117	103551	42.92	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	189646	43.71	ng	# 86
20) 3+4-Methylphenols	7.26	107	198649	36.38	ng	94
22) Acetophenone	7.26	105	375985	50.73	ng	94
24) Nitrobenzene	7.43	77	273837	45.35	ng	96
25) Isophorone	7.67	82	542132	48.15	ng	99
26) 2-Nitrophenol	7.75	139	159063	52.75	ng	96
27) 2,4-Dimethylphenol	7.78	122	229812	47.31	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	348266	53.16	ng	100
29) 2,4-Dichlorophenol	7.99	162	254649	52.44	ng	100
30) 1,2,4-Trichlorobenzene	8.07	180	264656	47.28	ng	97
31) Naphthalene	8.15	128	848089	52.22	ng	99
32) Benzoic acid	7.90	122	69860	21.43	ng	96
33) 4-Chloroaniline	8.21	127	204712	30.35	ng	97
34) Hexachlorobutadiene	8.26	225	159500	45.73	ng	99
35) Caprolactam	8.59	113	17000	12.06	ng	97
36) 4-Chloro-3-methylphenol	8.69	107	245899	51.78	ng	92
37) 2-Methylnaphthalene	8.85	142	589397	52.35	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	270727	48.13	ng	98
40) Hexachlorocyclopentadiene	8.99	237	259484	90.01	ng	98

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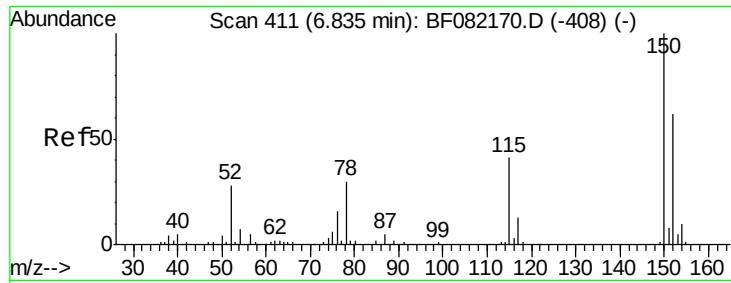
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	180310	48.26	ng	99
43) 2,4,5-Trichlorophenol	9.17	196	195859	48.39	ng	98
45) 1,1'-Biphenyl	9.30	154	667261	46.27	ng	99
46) 2-Chloronaphthalene	9.34	162	549601	48.41	ng	98
47) 2-Nitroaniline	9.43	65	156757	50.30	ng	97
48) Acenaphthylene	9.75	152	855353	48.37	ng	100
49) Dimethylphthalate	9.61	163	647232	48.60	ng	100
50) 2,6-Dinitrotoluene	9.68	165	155059	55.18	ng	97
51) Acenaphthene	9.92	154	525928	49.54	ng	98
52) 3-Nitroaniline	9.85	138	99877	31.47	ng	96
53) 2,4-Dinitrophenol	9.95	184	142832	90.09	ng	# 83
54) Dibenzofuran	10.09	168	738283	50.65	ng	99
55) 4-Nitrophenol	10.01	139	97387	51.69	ng	91
56) 2,4-Dinitrotoluene	10.08	165	176838	50.35	ng	91
57) Fluorene	10.43	166	613010	51.21	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.21	232	165040	49.91	ng	97
59) Diethylphthalate	10.31	149	611902	49.30	ng	99
60) 4-Chlorophenyl-phenylether	10.42	204	267321	48.75	ng	99
61) 4-Nitroaniline	10.47	138	147542	47.93	ng	99
62) Azobenzene	10.58	77	615158	50.64	ng	99
64) 4,6-Dinitro-2-methylphenol	10.49	198	104371	51.82	ng	88
65) n-Nitrosodiphenylamine	10.55	169	520165	48.41	ng	100
66) 4-Bromophenyl-phenylether	10.91	248	176977	49.27	ng	99
67) Hexachlorobenzene	10.98	284	194745	50.13	ng	99
68) Atrazine	11.07	200	159848	46.95	ng	99
69) Pentachlorophenol	11.18	266	211593	105.85	ng	98
70) Phenanthrene	11.39	178	865138	49.18	ng	99
71) Anthracene	11.45	178	985044	54.34	ng	99
72) Carbazole	11.60	167	810751	49.03	ng	100
73) Di-n-butylphthalate	11.93	149	1028144	50.40	ng	99
74) Fluoranthene	12.58	202	977054	51.71	ng	99
76) Benzidine	12.71	184	181762	19.54	ng	98
77) Pyrene	12.81	202	948394	49.79	ng	100
79) Butylbenzylphthalate	13.43	149	431065	49.59	ng	97
80) Benzo(a)anthracene	14.00	228	832766	49.87	ng	99
81) 3,3'-Dichlorobenzidine	13.97	252	234055	36.93	ng	98
82) Chrysene	14.04	228	779468	44.30	ng	99
83) Bis(2-ethylhexyl)phthalate	13.99	149	633357	51.07	ng	99
84) Di-n-octyl phthalate	14.60	149	1045819	49.11	ng	100
85) Indeno(1,2,3-cd)pyrene	16.86	276	712709	50.96	ng	100
87) Benzo(b)fluoranthene	15.03	252	872927m	54.45	ng	
88) Benzo(k)fluoranthene	15.06	252	608622m	45.17	ng	
89) Benzo(a)pyrene	15.38	252	708158	51.40	ng	100
90) Dibenzo(a,h)anthracene	16.88	278	602724	53.39	ng	# 96
91) Benzo(g,h,i)perylene	17.28	276	593186	54.08	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 411

Delta R.T. 0.00 min

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BNA_F

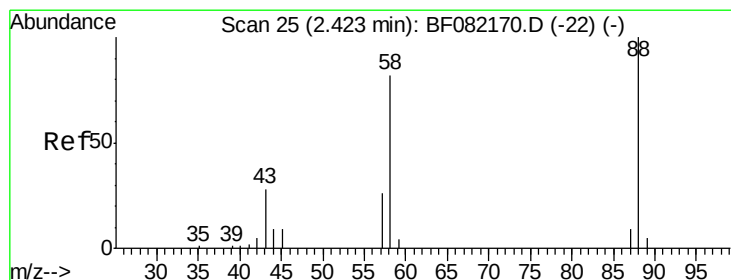
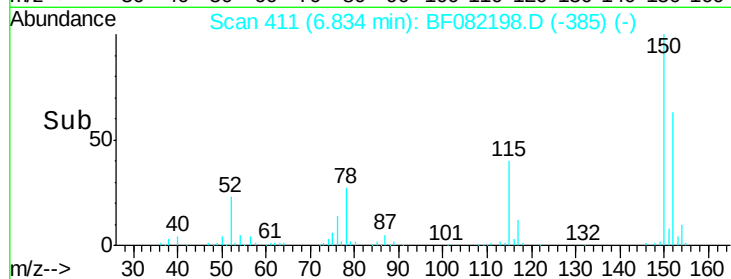
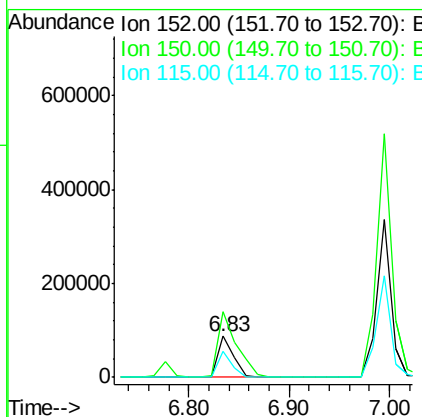
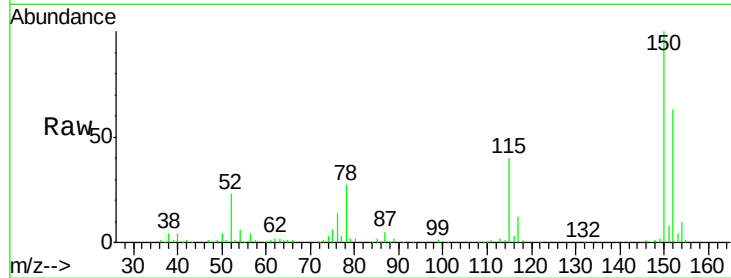
ClientSampleId :

IM-MLA-(1.5-02)MSD

Tgt Ion:	152	Resp:	95807
Ion Ratio	Lower	Upper	
152	100		
150	158.9	129.0	193.4
115	62.8	52.1	78.1

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#2

1,4-Dioxane

Concen: 23.49 ng

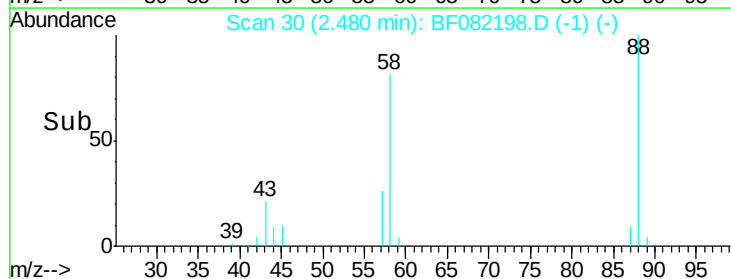
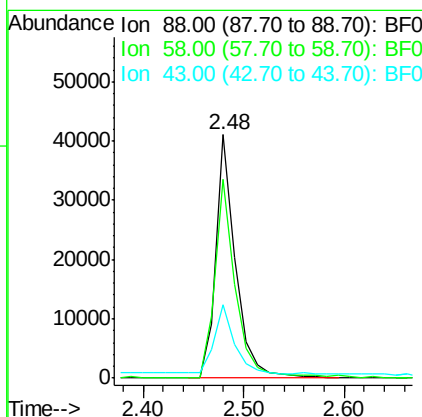
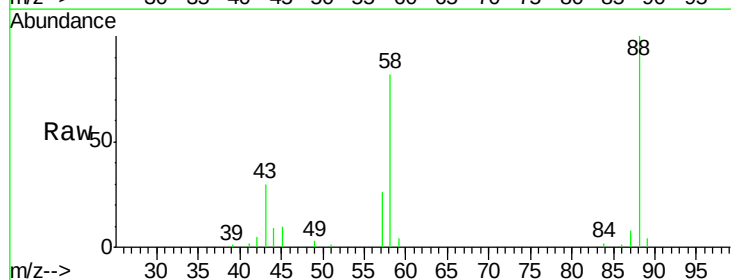
RT: 2.48 min Scan# 30

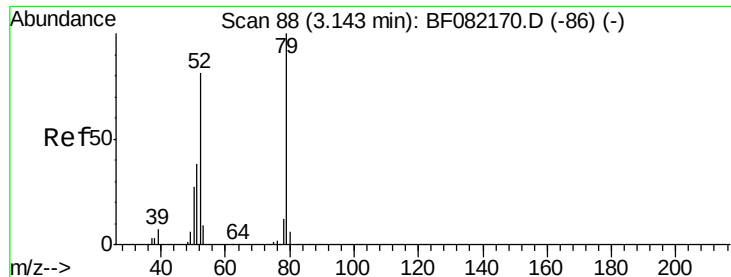
Delta R.T. 0.06 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion:	88	Resp:	56019
Ion Ratio	Lower	Upper	
88	100		
58	87.6	66.2	99.4
43	28.8	23.0	34.4





#3

Pyridine

Concen: 19.44 ng

RT: 3.20 min Scan# 93

Delta R.T. 0.06 min

Lab File: BF082198.D

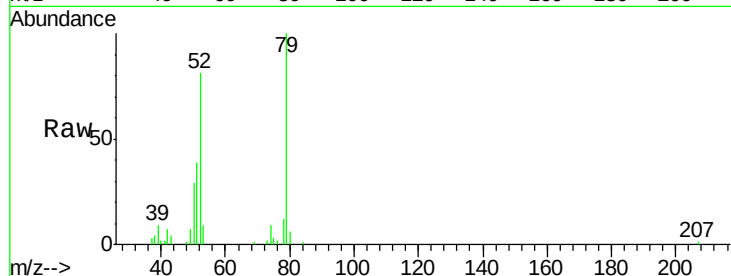
Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

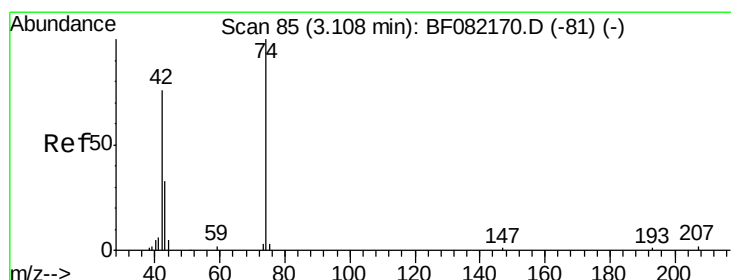
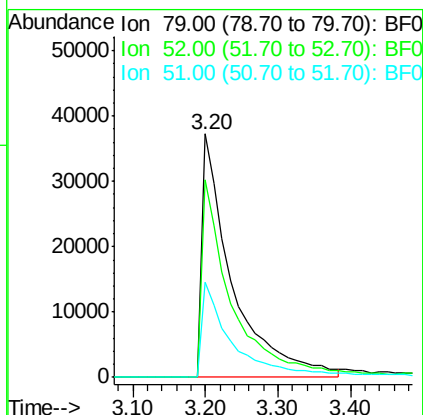
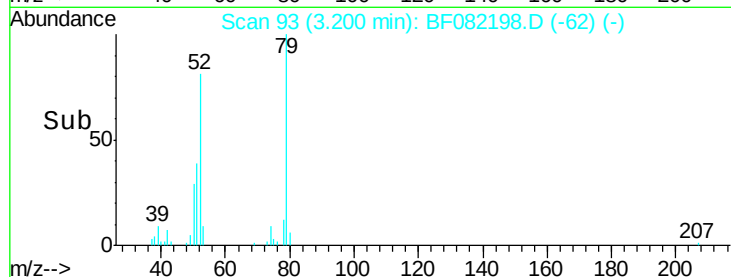
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Tgt Ion	Ratio	Lower	Upper
79	100		
52	81.2	64.4	96.6
51	39.1	30.5	45.7

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#4

n-Nitrosodimethylamine

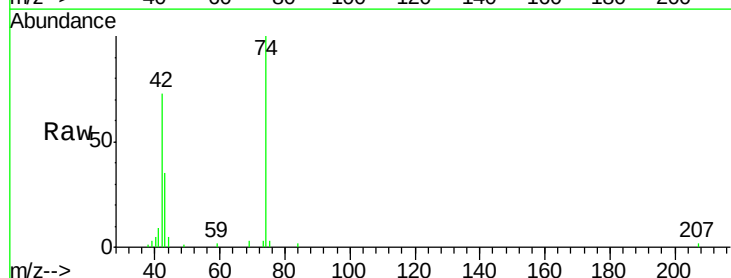
Concen: 24.48 ng

RT: 3.15 min Scan# 89

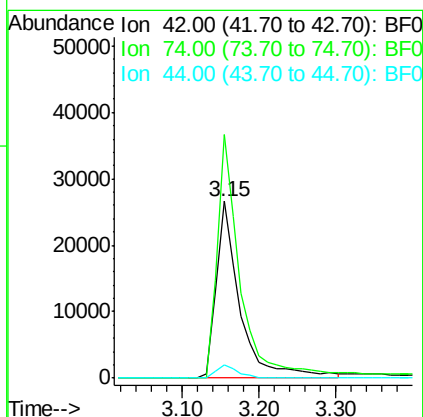
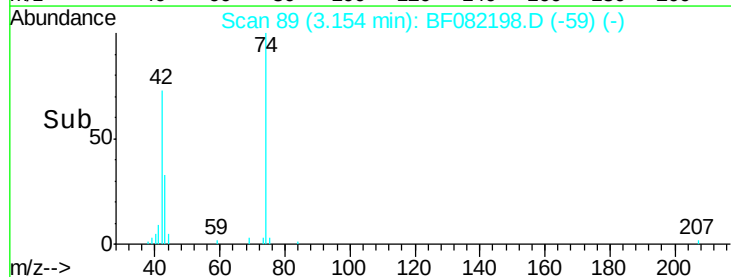
Delta R.T. 0.05 min

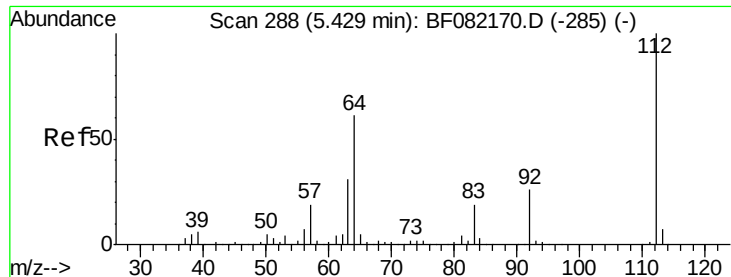
Lab File: BF082198.D

Acq: 11 Oct 2015 2:12



Tgt Ion	Ratio	Lower	Upper
42	100		
74	137.9	105.7	158.5
44	7.4	5.4	8.2





#5

2-Fluorophenol

Concen: 98.84 ng

RT: 5.44 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF082198.D

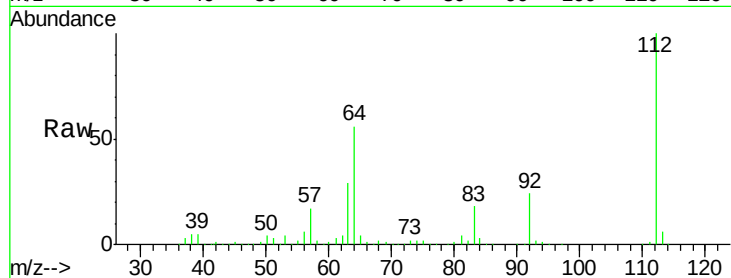
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Instrument :

BNA_F

ClientSampleId :

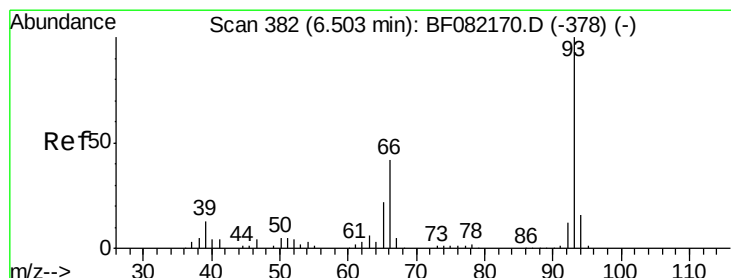
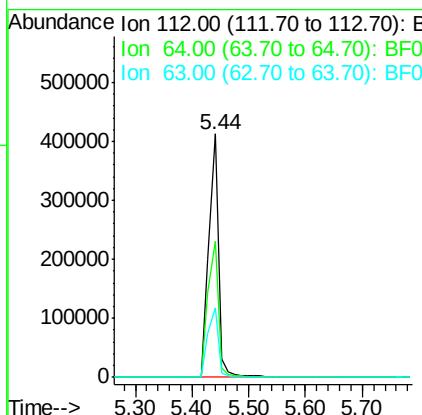
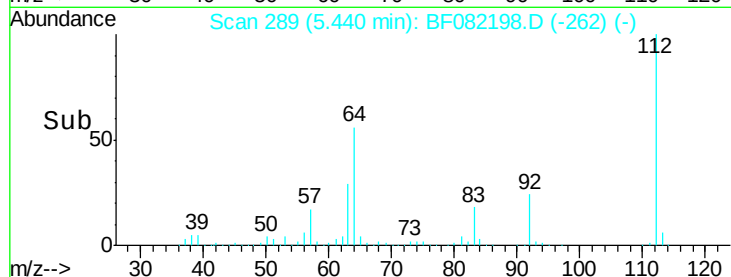
IM-MLA-(1.5-02)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
112	100	469211		
64	55.8	48.6	73.0	
63	28.7	25.1	37.7	

Manual Integrations
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#6

Aniline

Concen: 28.36 ng

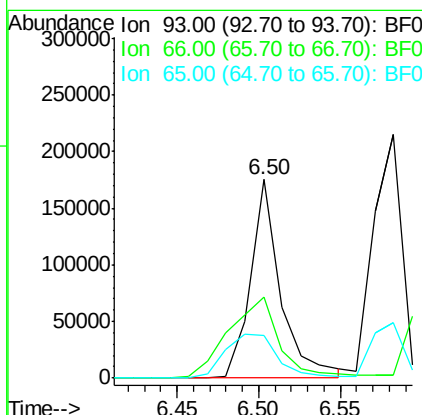
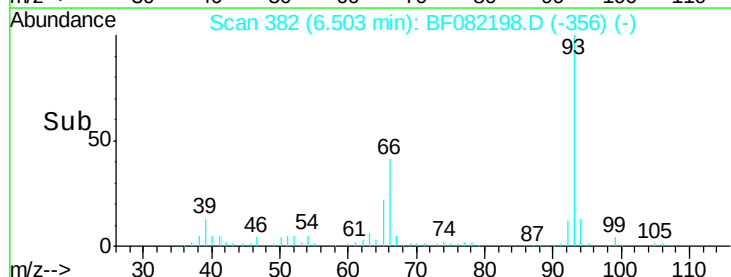
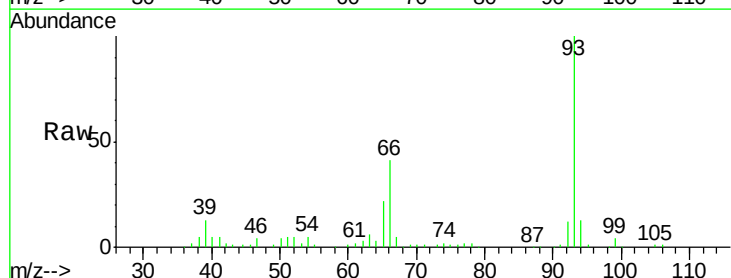
RT: 6.50 min Scan# 382

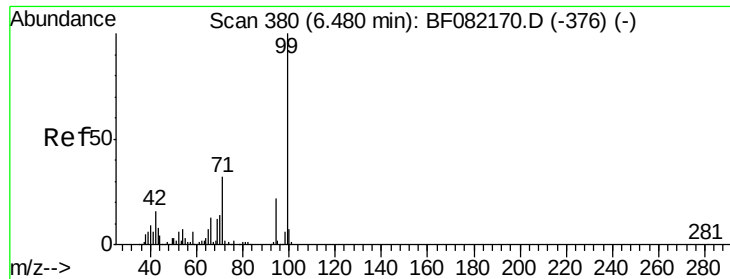
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	225891		
66	40.8	34.2	51.2	
65	21.6	17.9	26.9	





#7

Phenol-d6

Concen: 66.01 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082198.D

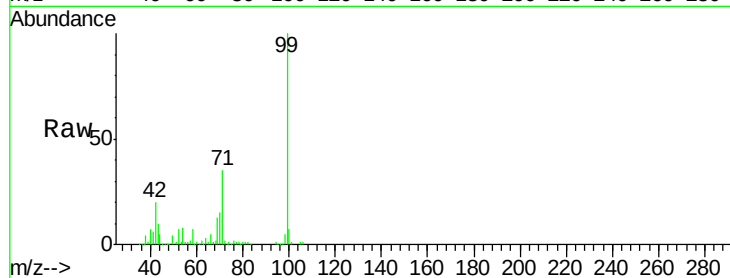
Acq: 11 Oct 2015 2:12

Instrument :

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ClientSampleId :

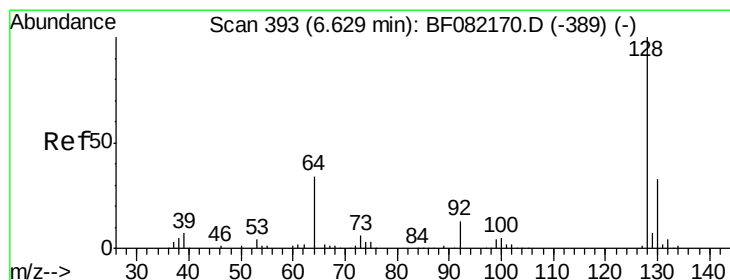
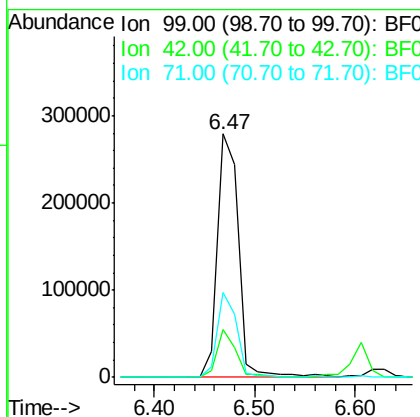
IM-MLA-(1.5-02)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	407761		
42	19.6	13.2	19.8	
71	34.7	25.6	38.4	

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#8

2-Chlorophenol

Concen: 41.27 ng

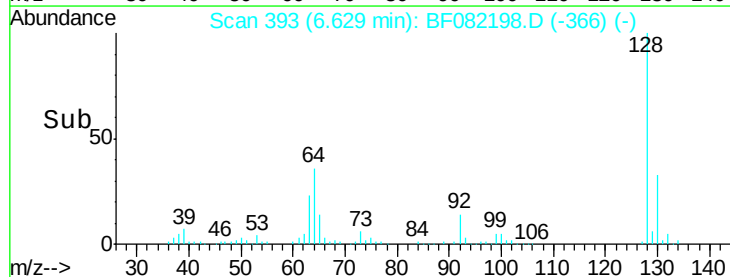
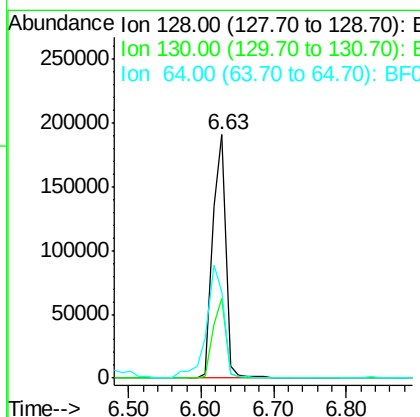
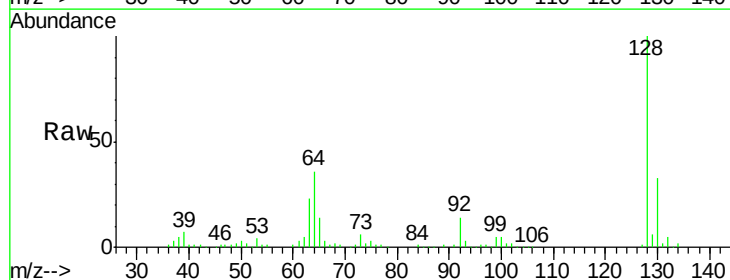
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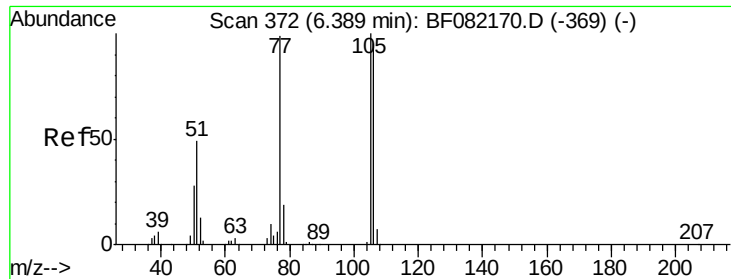
Delta R.T. 0.01 min

Lab File: BF082198.D

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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	239159		
130	32.8	12.6	52.6	
64	35.5	16.7	56.7	





#9

Benzaldehyde

Concen: 53.15 ng

RT: 6.39 min Scan# 372

Delta R.T. 0.00 min

Lab File: BF082198.D

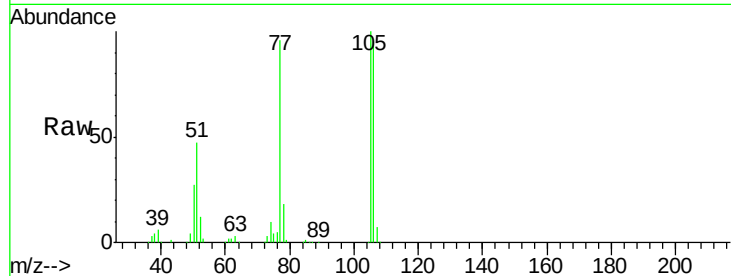
Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

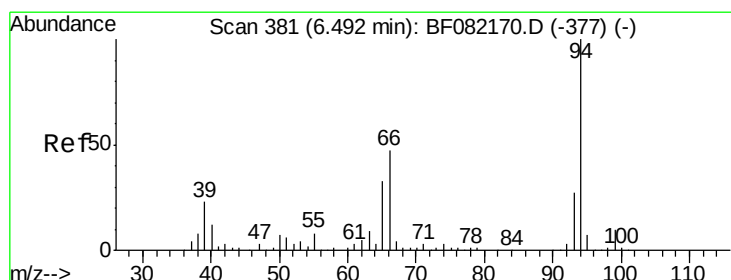
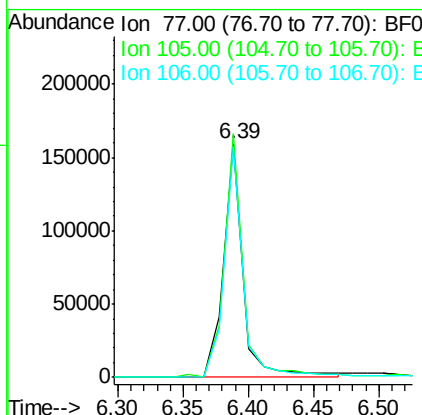
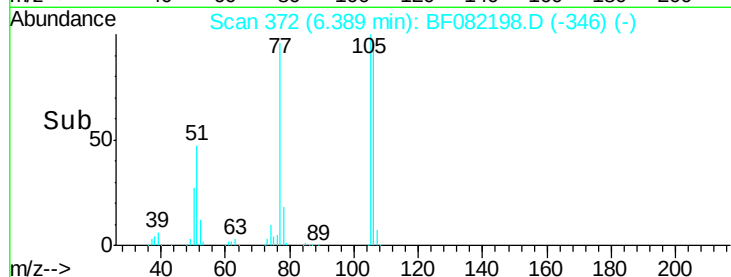
IM-MLA-(1.5-02)MSD



Tgt Ion:	77	Resp:	167671
Ion Ratio	Lower	Upper	
77	100		
105	104.1	80.6	120.6
106	99.0	75.5	115.5

Manual Integrations
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#10

Phenol

Concen: 22.10 ng

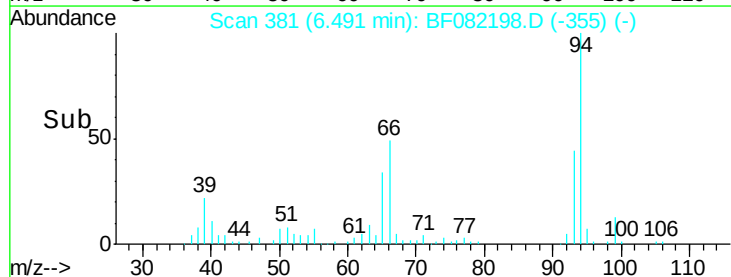
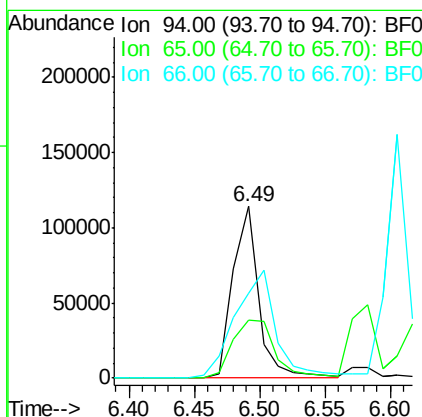
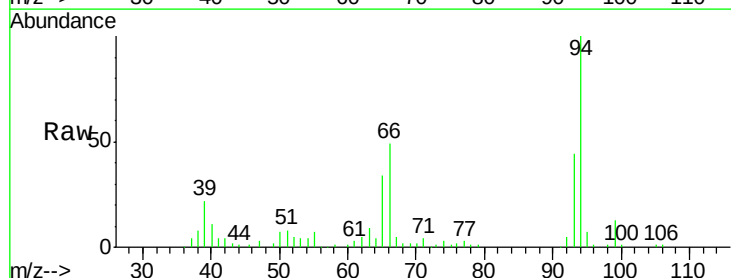
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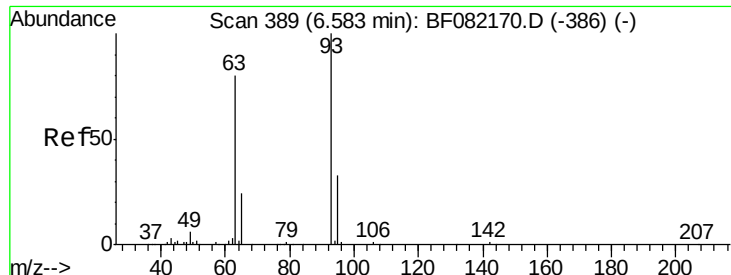
Delta R.T. 0.00 min

Lab File: BF082198.D

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Tgt Ion:	94	Resp:	157432
Ion Ratio	Lower	Upper	
94	100		
65	33.9	12.6	52.6
66	49.4	27.3	67.3





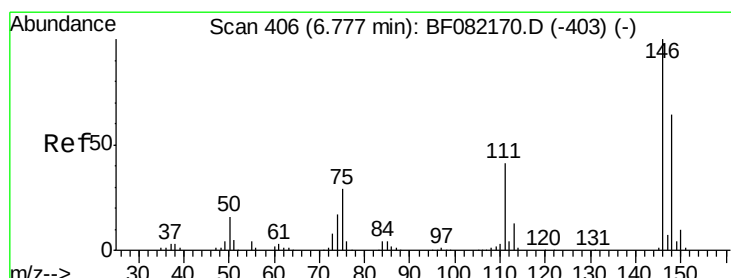
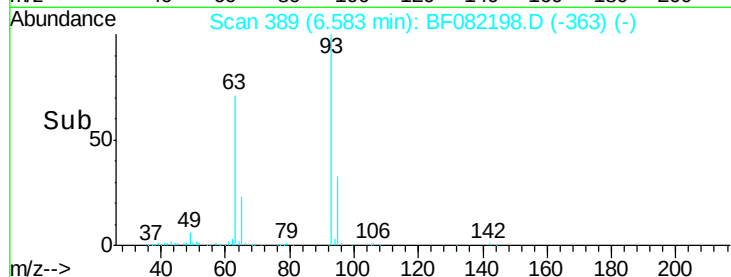
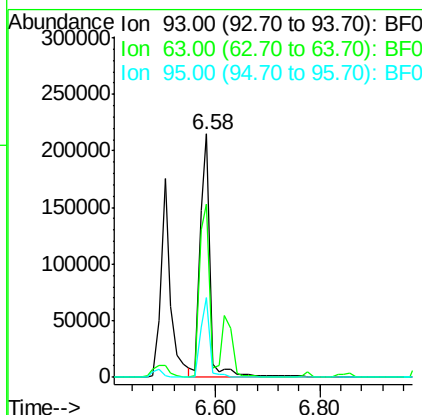
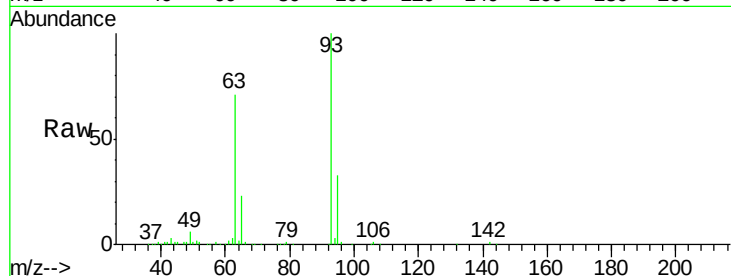
#11
bis(2-Chloroethyl)ether
Concen: 47.29 ng
RT: 6.58 min Scan# 389
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion:	93	Resp:	284861
Ion Ratio	Lower	Upper	
93	100		
63	71.0	57.1	97.1
95	32.7	11.9	51.9

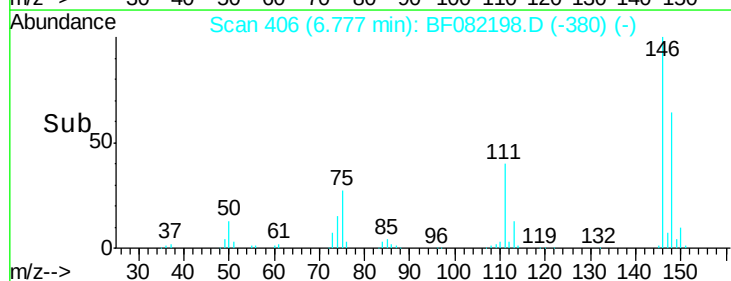
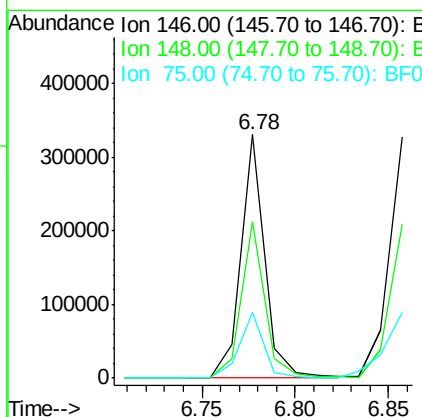
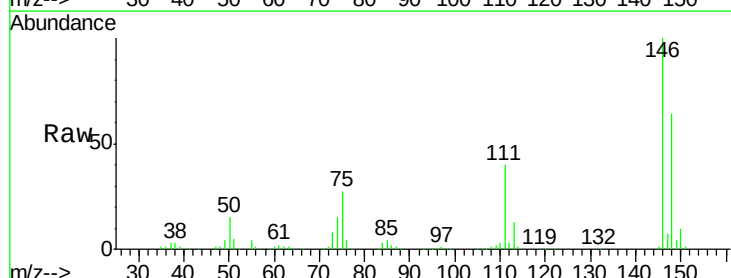
Manual Integrations
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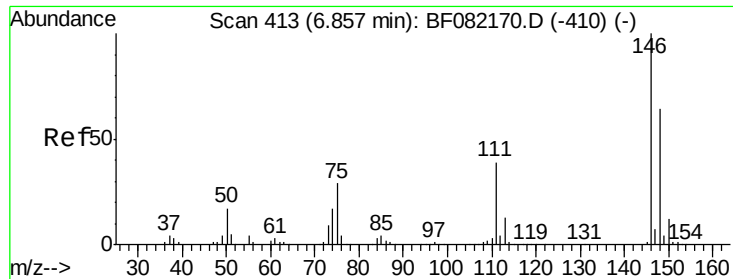
MMDadoda
10/12/2015 2:38:01 PM



#12
1,3-Dichlorobenzene
Concen: 43.81 ng
RT: 6.78 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion:	146	Resp:	295682
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.4	77.2
75	27.2	23.0	34.6





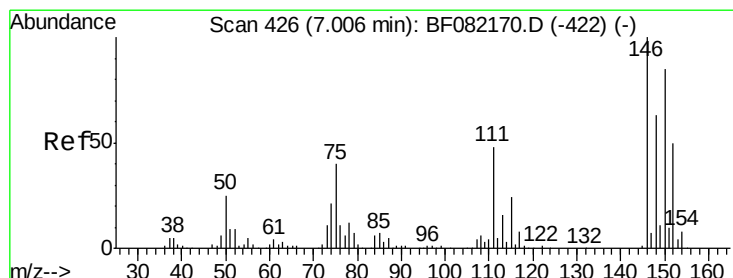
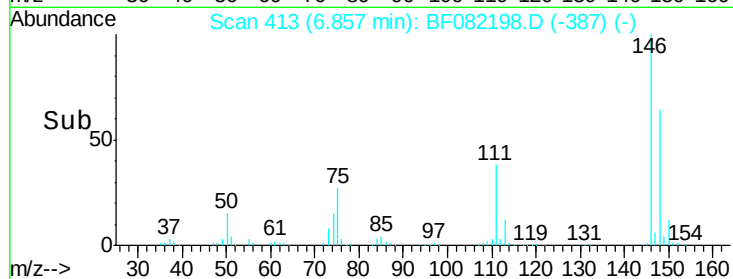
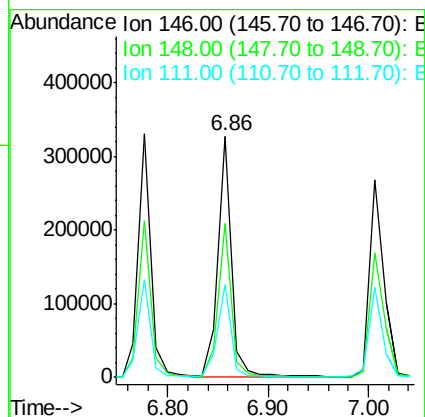
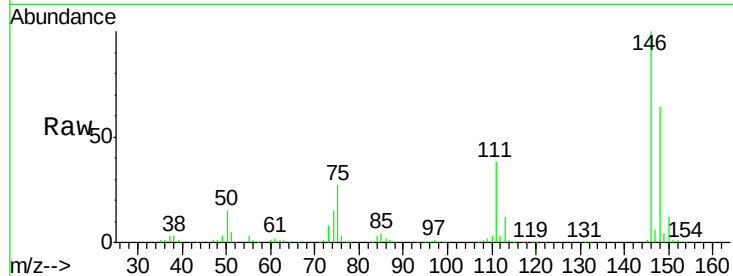
#13
 1,4-Dichlorobenzene
 Concen: 44.05 ng
 RT: 6.86 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	63.9	51.0	76.4
111	38.1	31.1	46.7

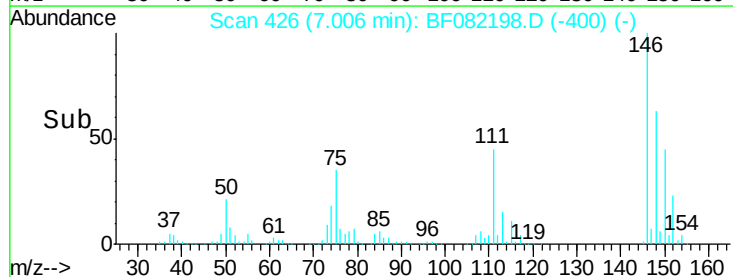
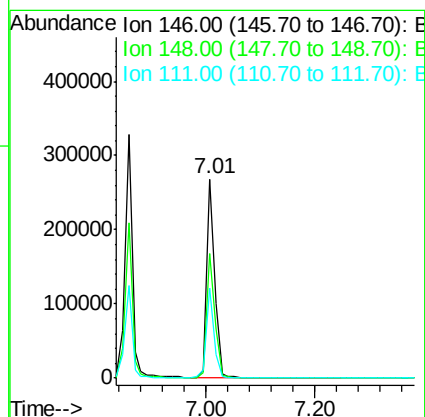
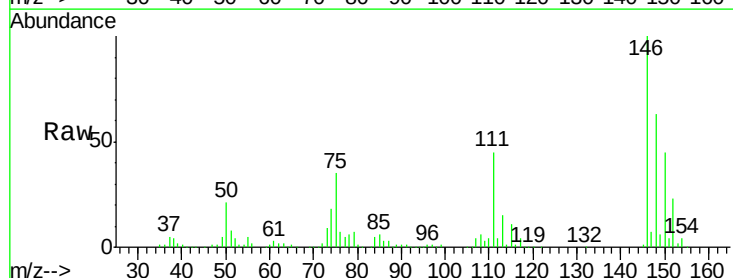
Manual Integrations
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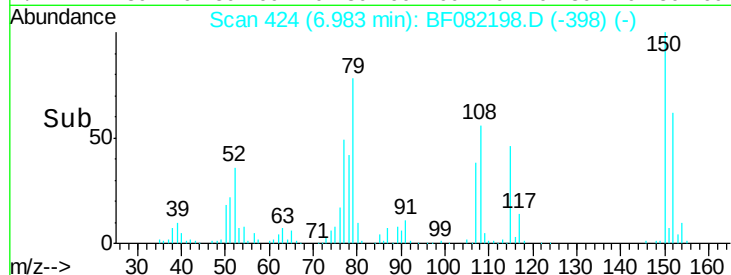
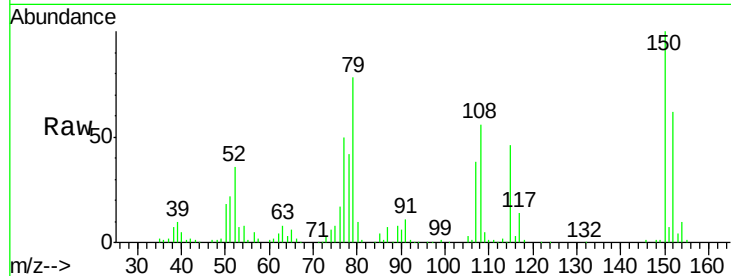
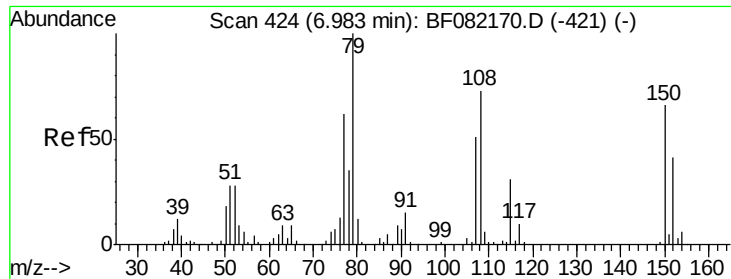
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 10/12/2015 2:38:01 PM



#14
 1,2-Dichlorobenzene
 Concen: 41.05 ng
 RT: 7.01 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	62.8	50.5	75.7
111	45.3	38.5	57.7





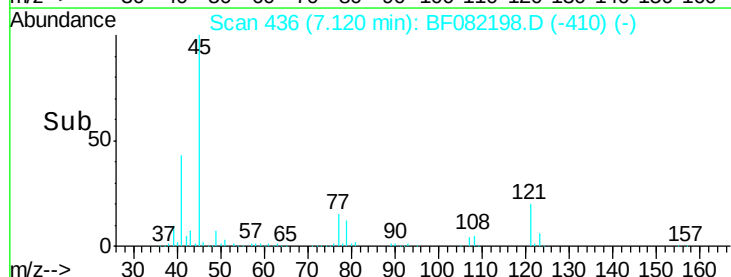
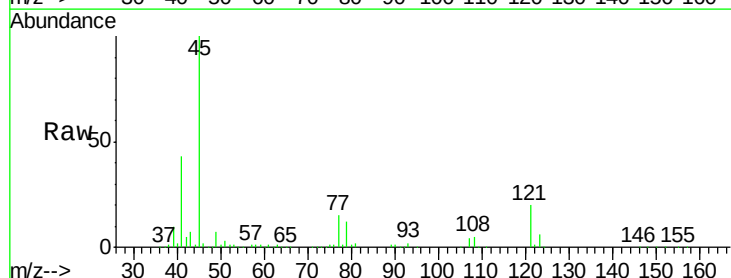
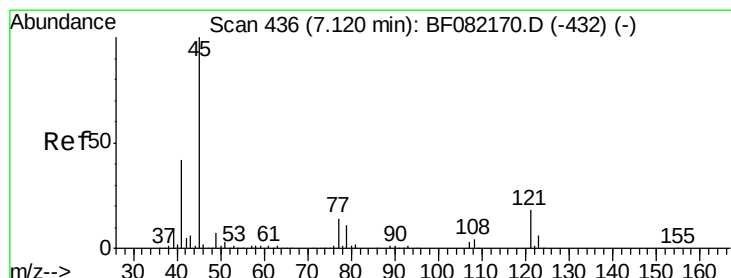
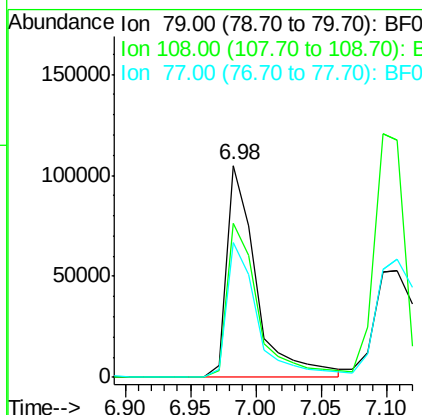
#15
Benzyl Alcohol
Concen: 39.03 ng
RT: 6.98 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion: 79 Resp: 166458
Ion Ratio Lower Upper
79 100
108 72.4 58.4 87.6
77 63.7 49.8 74.6

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

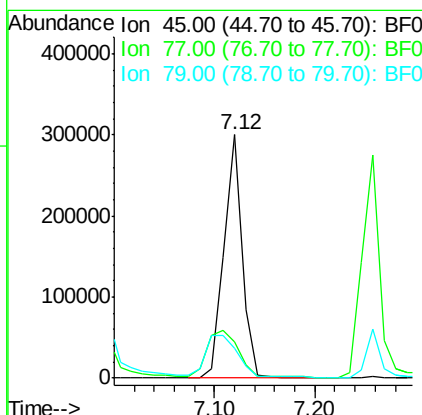
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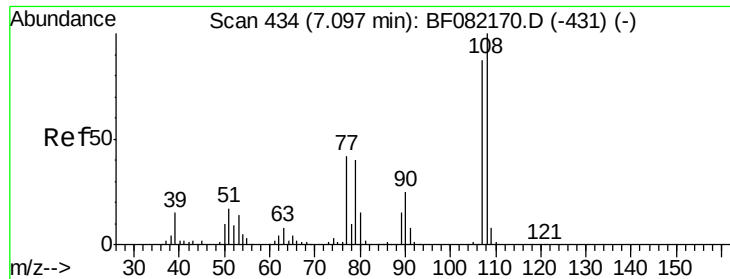
MMDadoda
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.07 ng
RT: 7.12 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion: 45 Resp: 378003
Ion Ratio Lower Upper
45 100
77 14.9 0.0 34.5
79 12.2 0.0 31.6





#17

2-Methylphenol

Concen: 37.68 ng

RT: 7.10 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF082198.D

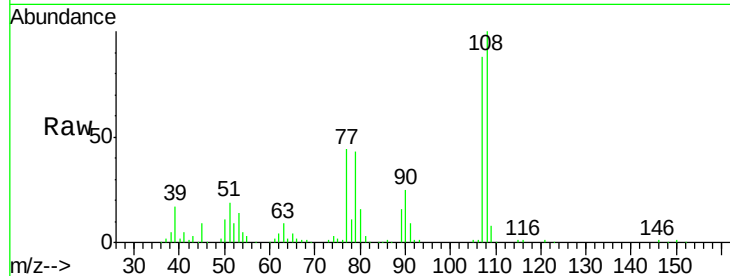
Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

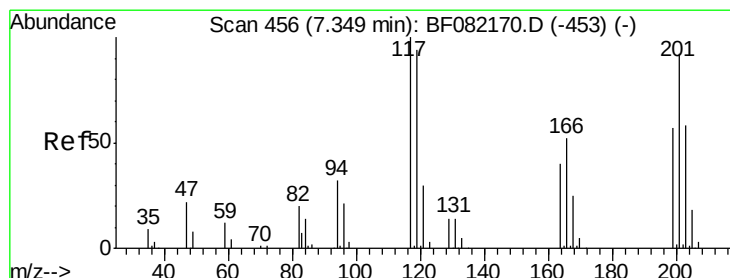
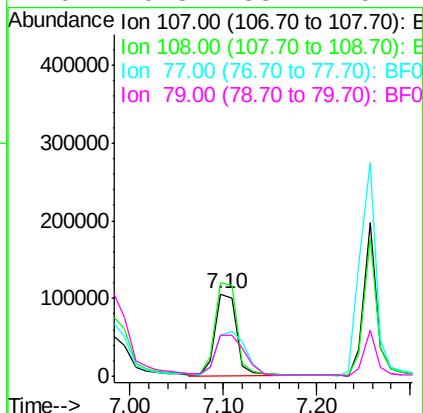
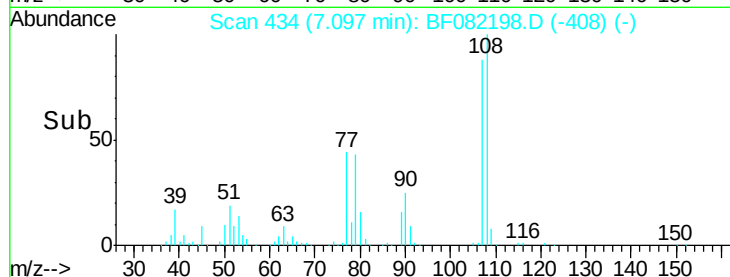
IM-MLA-(1.5-02)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	172676		
108	113.9	92.2	138.2	
77	50.3	39.6	59.4	
79	49.3	38.2	57.4	

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#18

Hexachloroethane

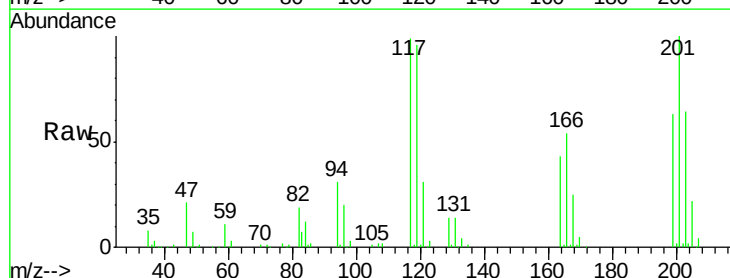
Concen: 42.92 ng

RT: 7.35 min Scan# 456

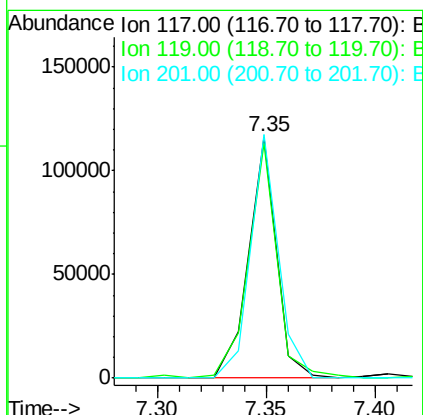
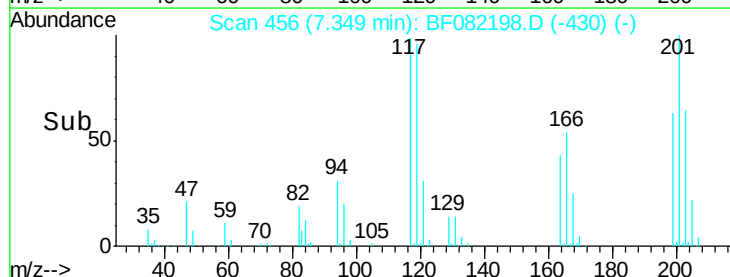
Delta R.T. 0.00 min

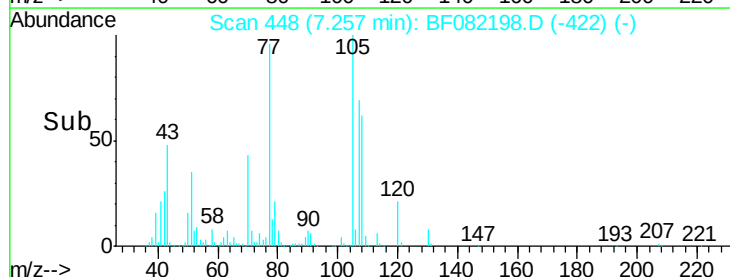
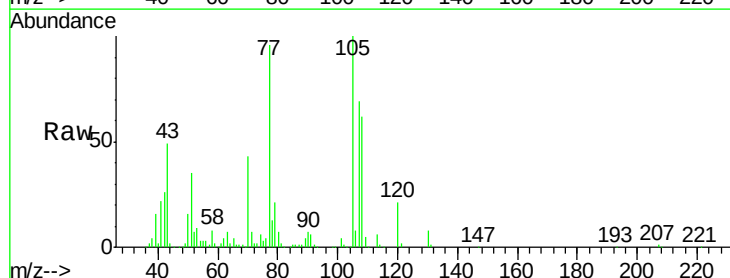
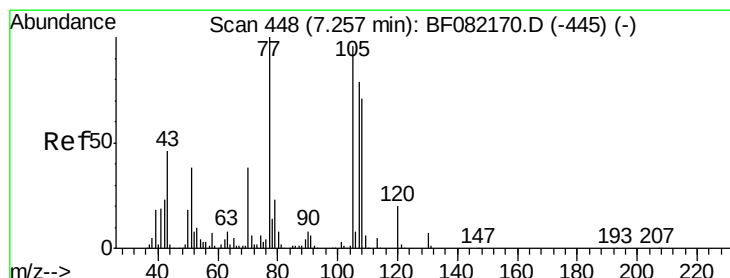
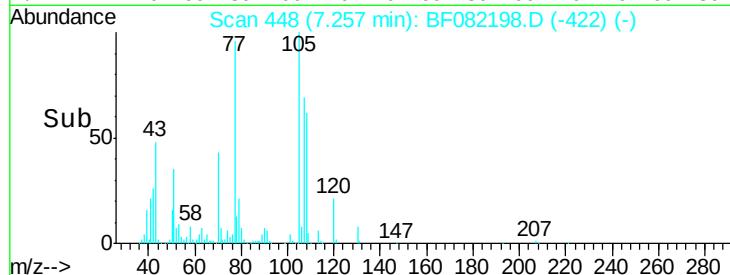
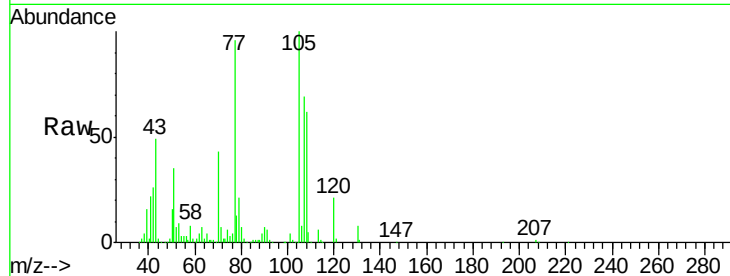
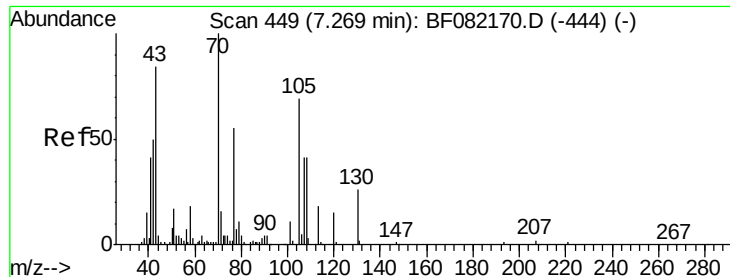
Lab File: BF082198.D

Acq: 11 Oct 2015 2:12



Tgt Ion	Ratio	Resp	Lower	Upper
117	100	103551		
119	97.1	75.4	113.2	
201	101.0	73.4	110.0	





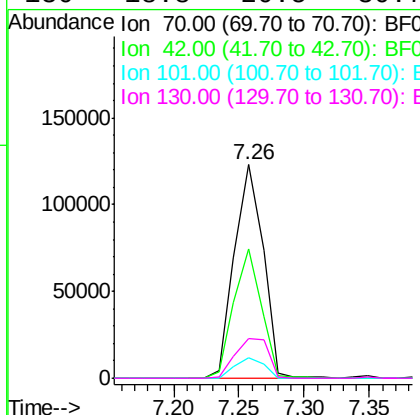
#19
n-Nitroso-di-n-propylamine
Concen: 43.71 ng
RT: 7.26 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
42	60.6	39.8	59.8#
101	9.4	8.6	13.0
130	18.8	20.5	30.7#

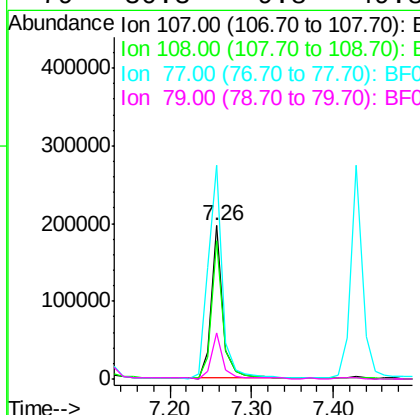
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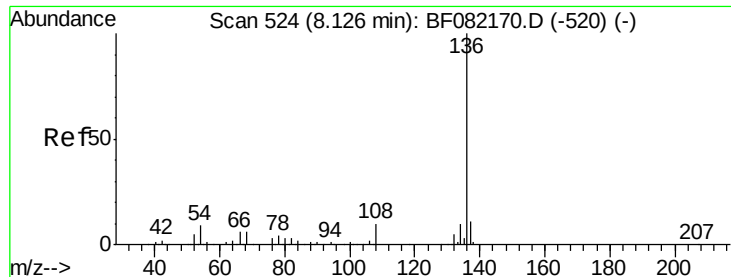
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#20
3+4-Methylphenols
Concen: 36.38 ng
RT: 7.26 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	90.2	69.9	109.9
77	139.1	106.0	146.0
79	30.3	9.8	49.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF082198.D

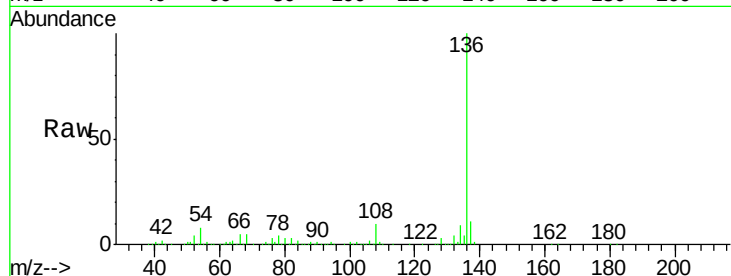
Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

IM-MLA-(1.5-02)MSD



Tgt Ion:136 Resp: 374641

Ion Ratio Lower Upper

136 100

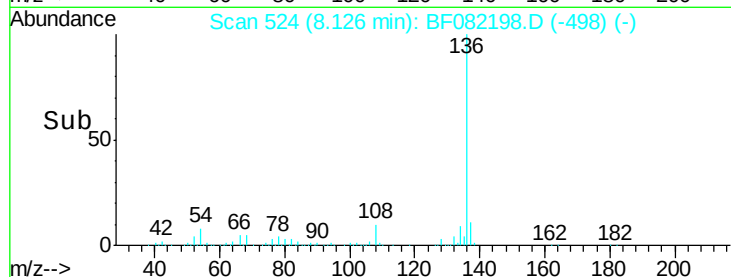
137 11.0 9.0 13.6

54 8.3 7.5 11.3

68 5.5 4.6 7.0

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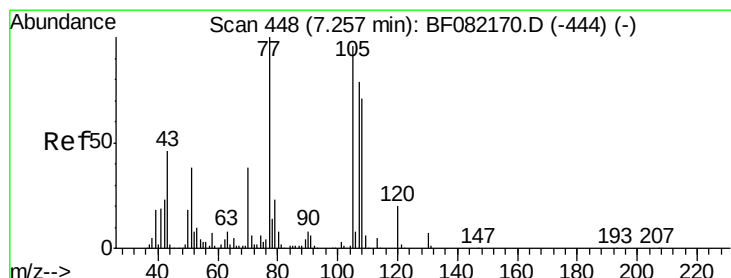
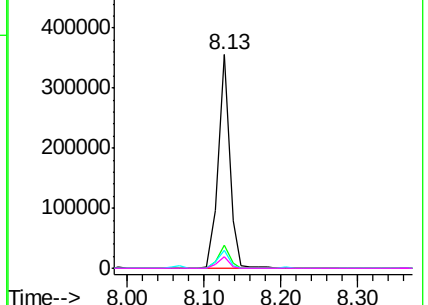


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.73 ng

RT: 7.26 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion:105 Resp: 375985

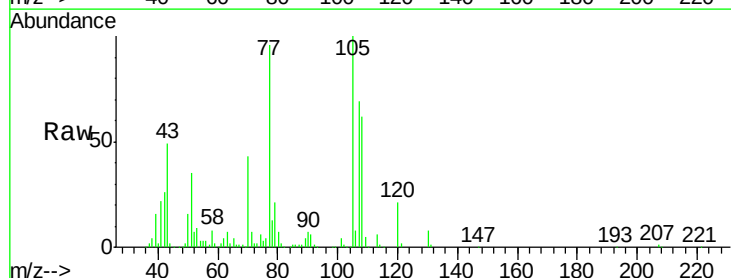
Ion Ratio Lower Upper

105 100

71 7.2 5.4 8.0

51 34.5 31.8 47.6

120 21.3 16.3 24.5

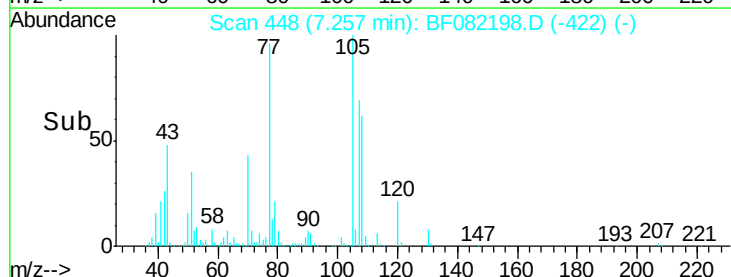
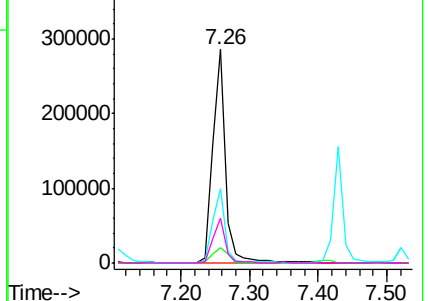


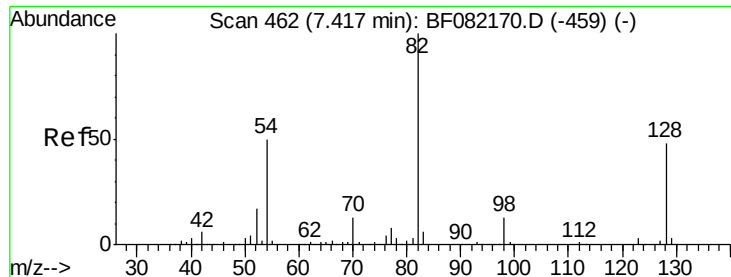
Abundance Ion 105.00 (104.70 to 105.70): E

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





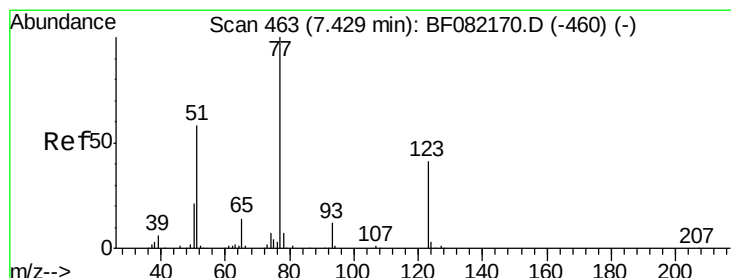
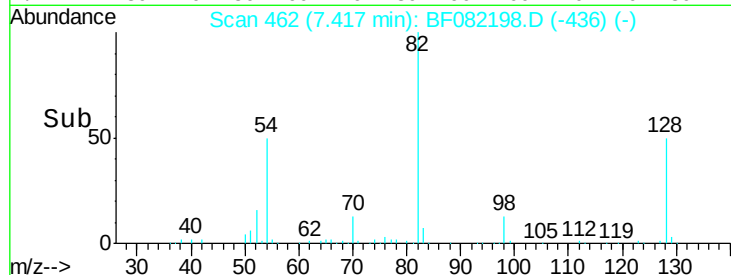
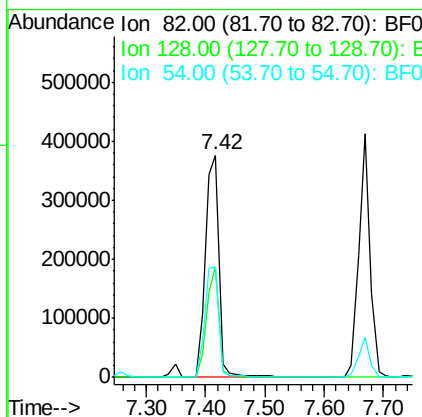
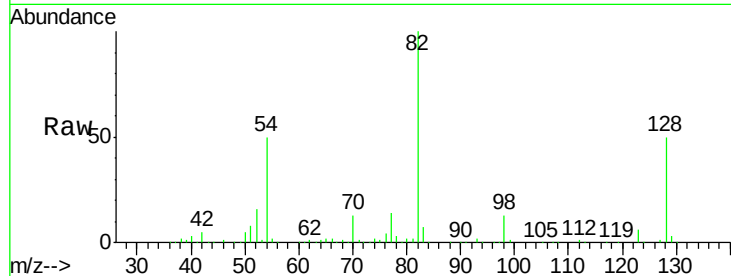
#23
Nitrobenzene-d5
Concen: 108.94 ng
RT: 7.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.5	38.7	58.1
54	49.8	40.1	60.1

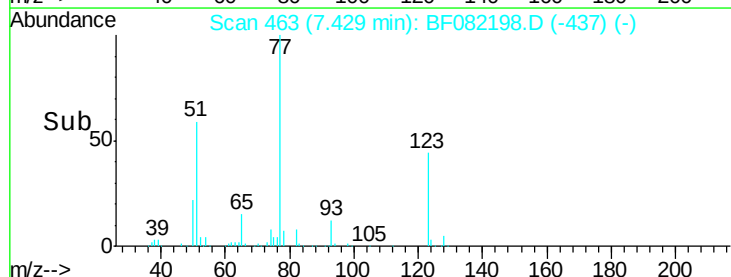
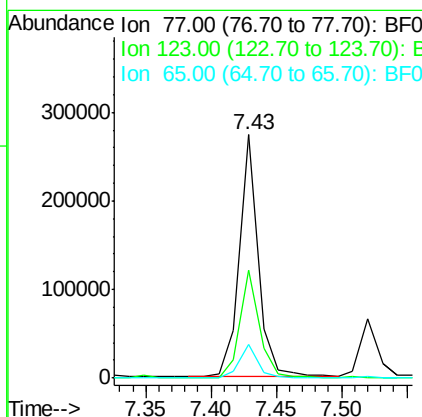
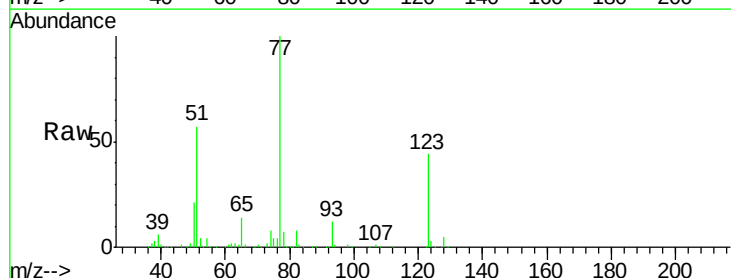
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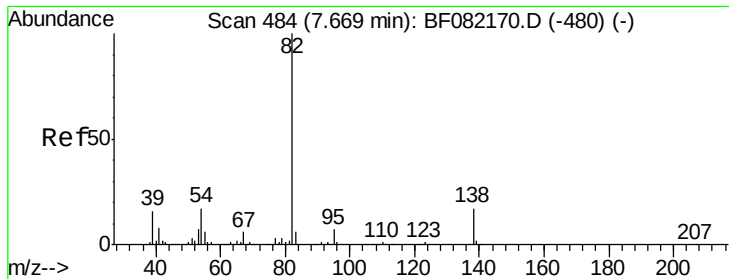
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#24
Nitrobenzene
Concen: 45.35 ng
RT: 7.43 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.1	33.0	49.4
65	13.8	11.2	16.8





#25

Isophorone

Concen: 48.15 ng

RT: 7.67 min Scan# 484

Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

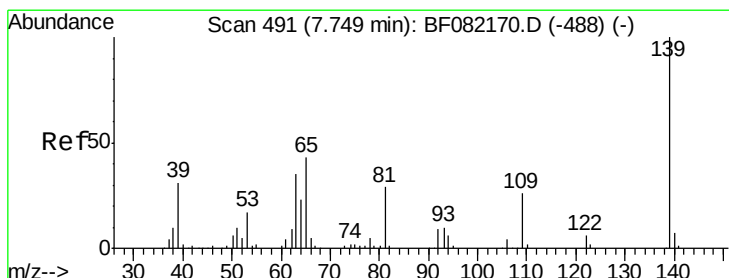
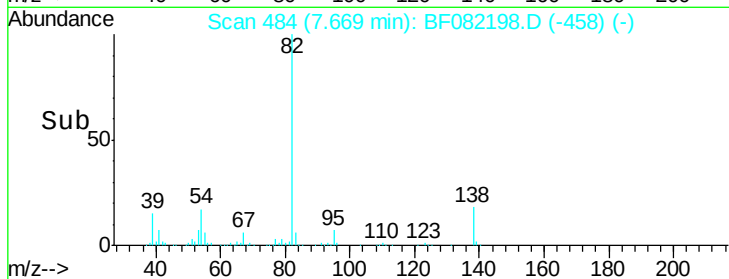
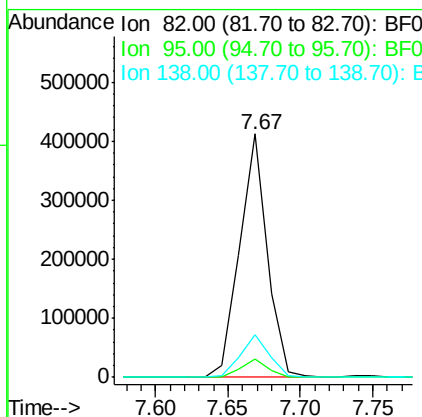
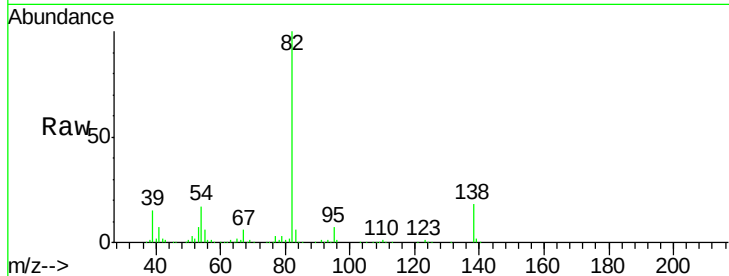
ClientSampleId :

IM-MLA-(1.5-02)MSD

Tgt Ion:	82	Resp:	542132
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.6	8.4
138	17.7	13.6	20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 52.75 ng

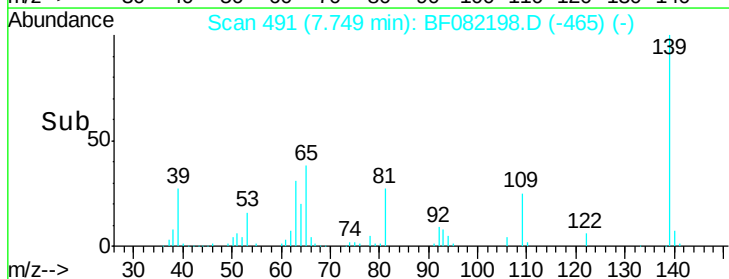
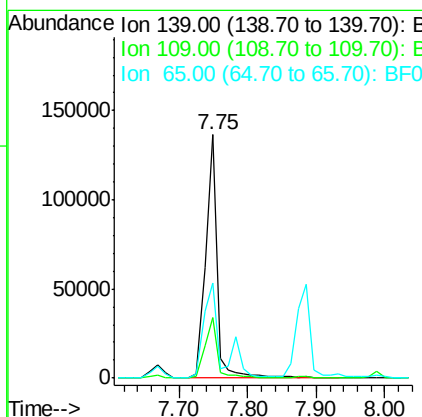
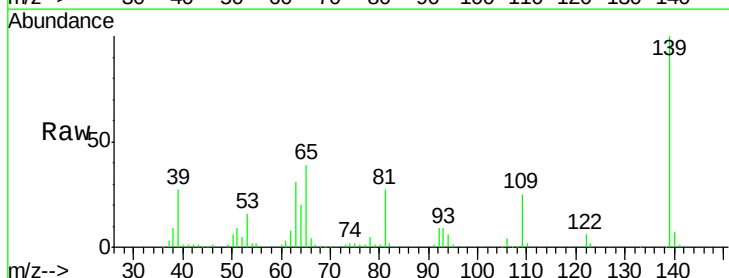
RT: 7.75 min Scan# 491

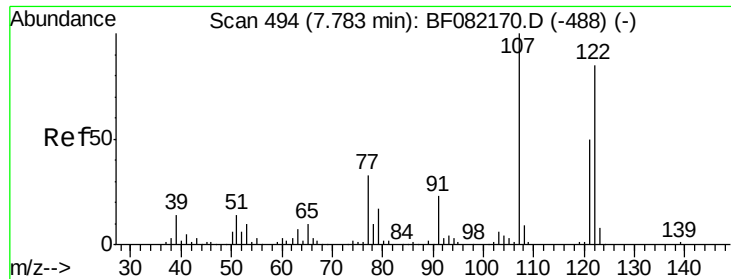
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion:	139	Resp:	159063
Ion Ratio	Lower	Upper	
139	100		
109	25.0	20.6	31.0
65	39.0	34.3	51.5





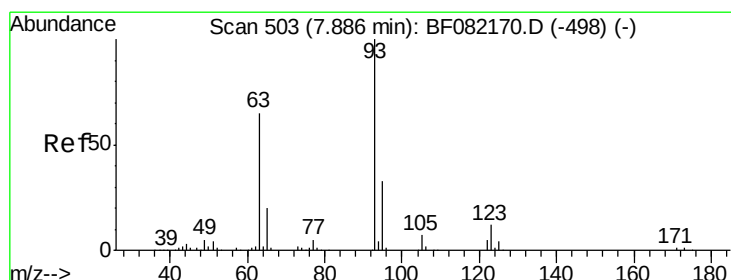
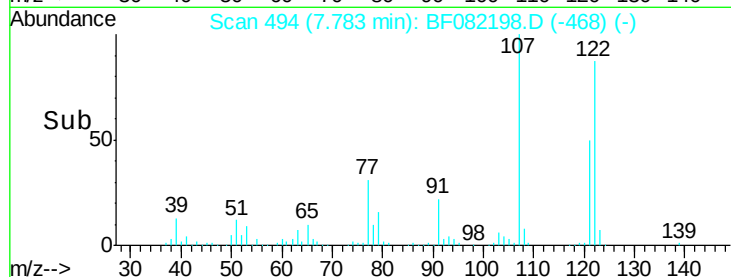
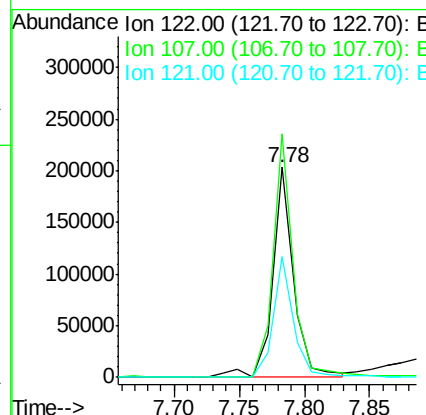
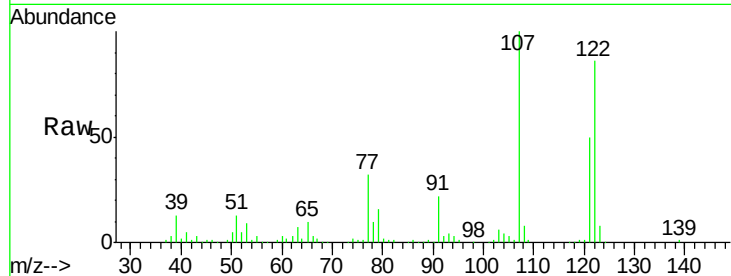
#27
 2,4-Dimethylphenol
 Concen: 47.31 ng
 RT: 7.78 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	229812		
107	116.0	94.0	141.0	
121	57.6	46.8	70.2	

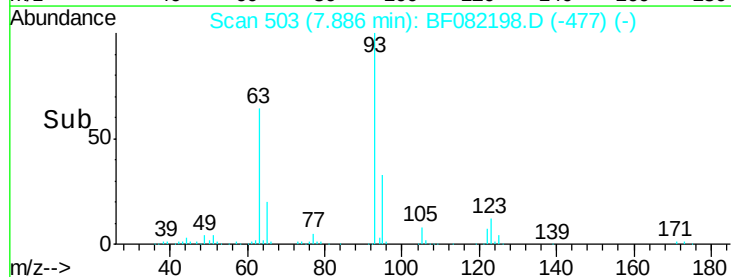
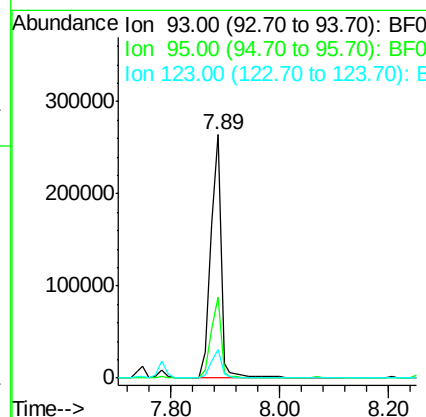
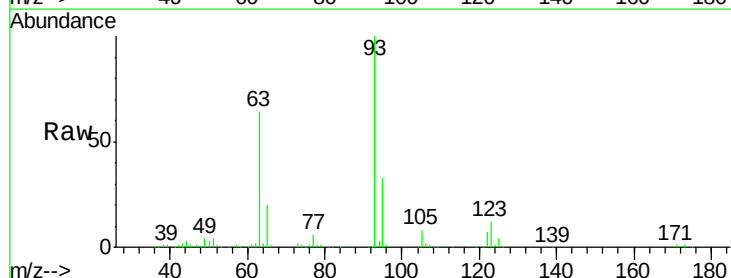
Manual Integrations
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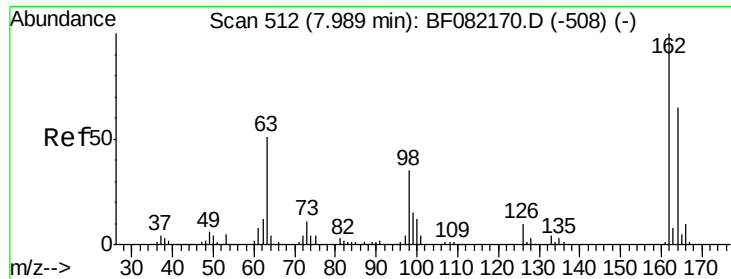
MMDadoda
 10/12/2015 2:38:01 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 53.16 ng
 RT: 7.89 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	348266		
95	33.2	26.6	39.8	
123	11.8	9.5	14.3	





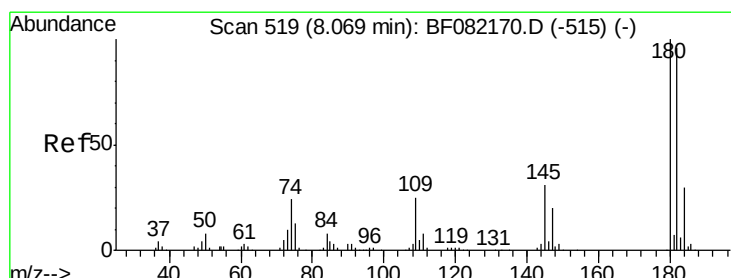
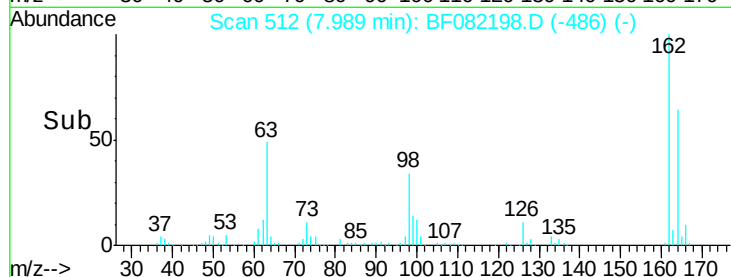
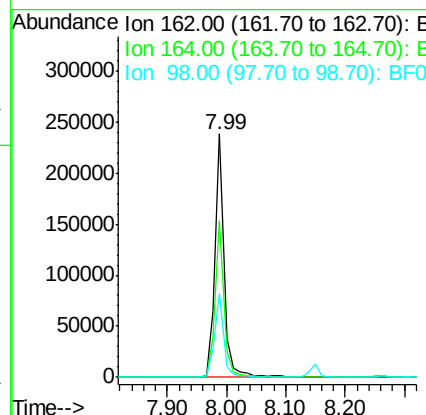
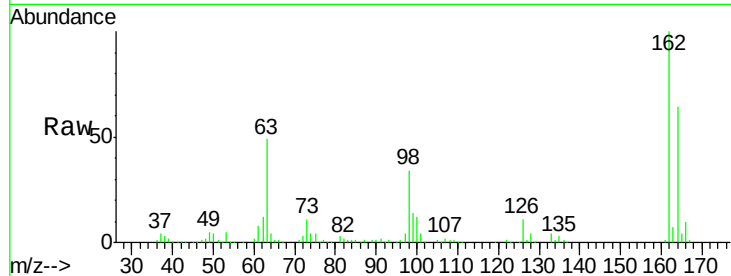
#29
2,4-Dichlorophenol
Concen: 52.44 ng
RT: 7.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.5	44.6	84.6
98	34.5	15.0	55.0

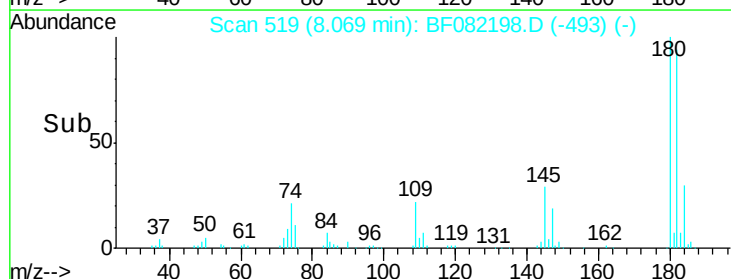
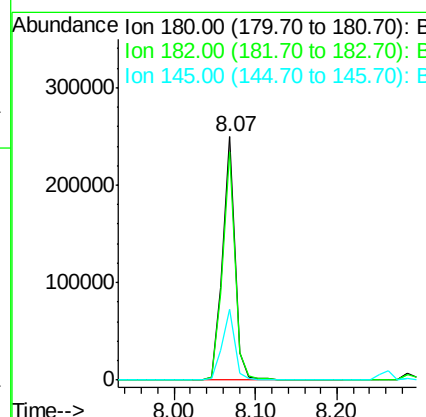
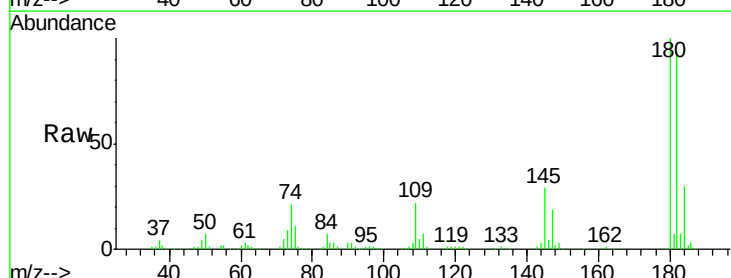
Manual Integrations
APPROVED

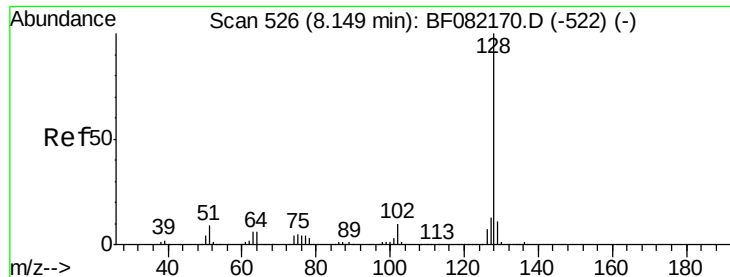
MMDadoda
10/12/2015 2:38:01 PM



#30
1,2,4-Trichlorobenzene
Concen: 47.28 ng
RT: 8.07 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.0	77.0	115.4
145	29.2	25.0	37.4





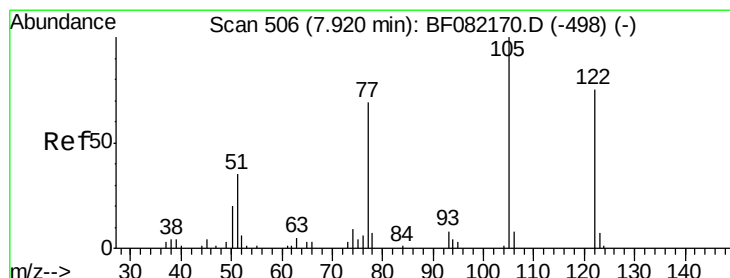
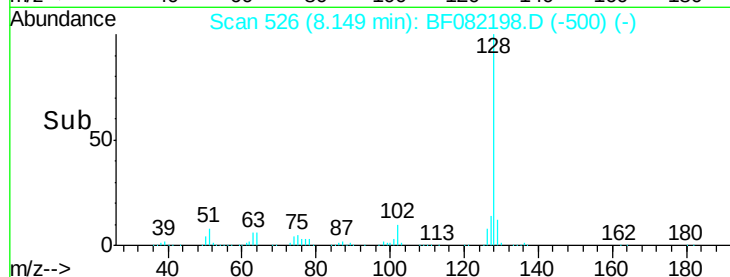
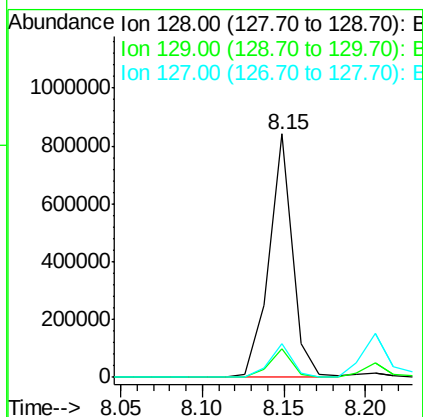
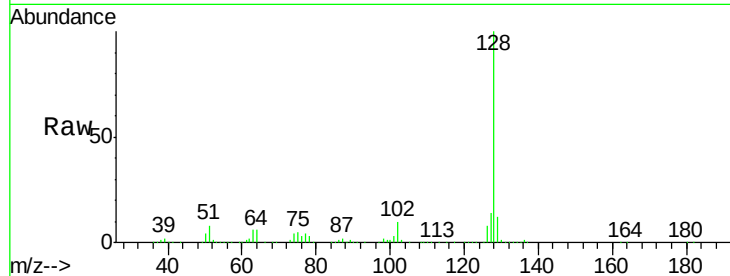
#31
Naphthalene
Concen: 52.22 ng
RT: 8.15 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.7	9.1	13.7	
127	13.7	10.7	16.1	

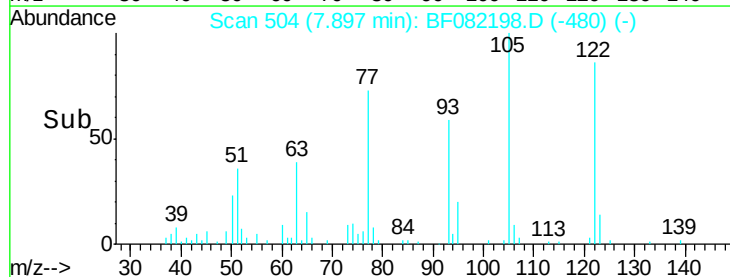
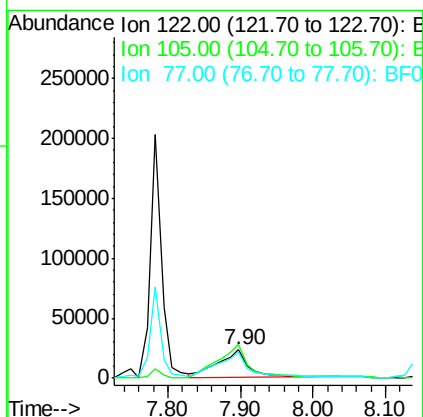
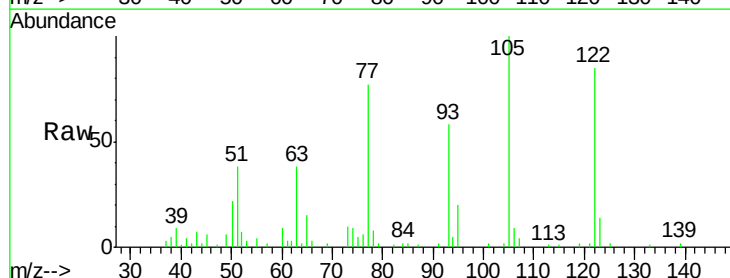
Manual Integrations
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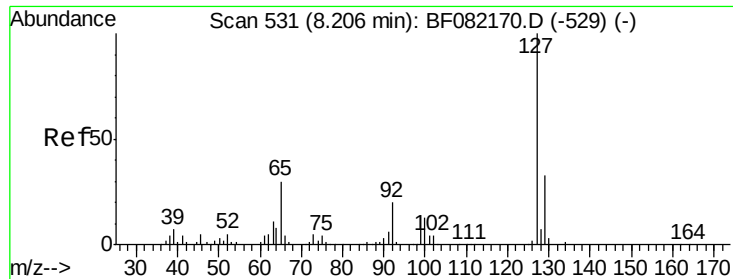
MMDadoda
10/12/2015 2:38:01 PM



#32
Benzoic acid
Concen: 21.43 ng
RT: 7.90 min Scan# 504
Delta R.T. -0.02 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	118.1	104.4	144.4	
77	90.6	69.0	109.0	





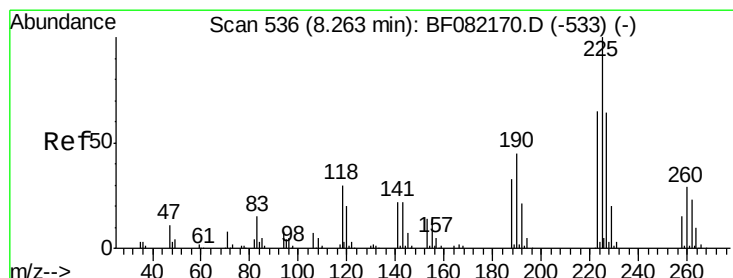
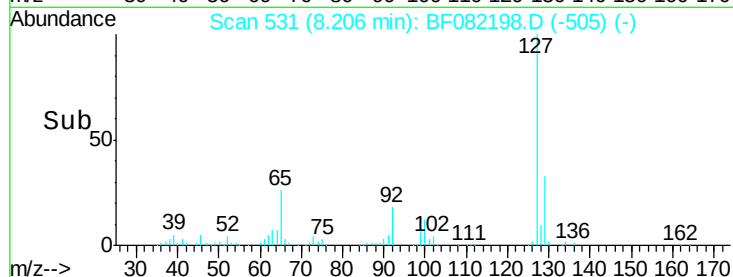
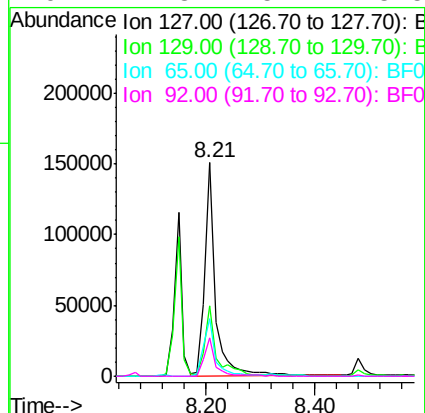
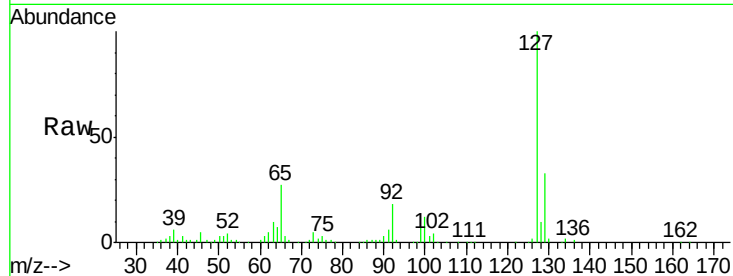
#33
4-Chloroaniline
Concen: 30.35 ng
RT: 8.21 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	204712		
129	32.8	26.3	39.5	
65	27.1	24.4	36.6	
92	17.8	15.7	23.5	

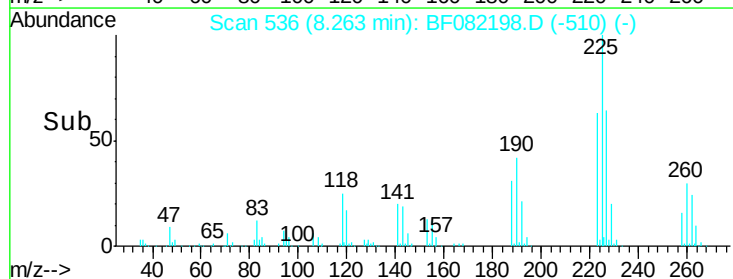
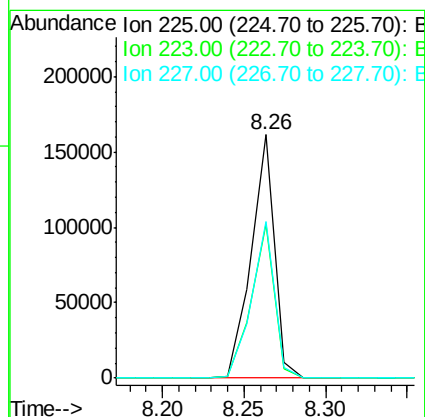
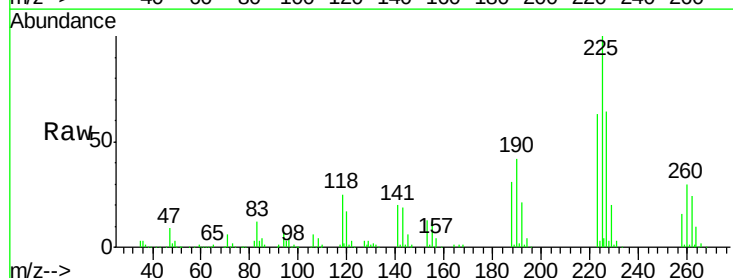
Manual Integrations
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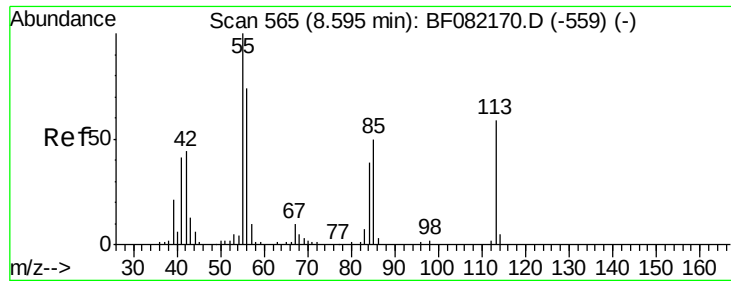
MMDadoda
10/12/2015 2:38:01 PM



#34
Hexachlorobutadiene
Concen: 45.73 ng
RT: 8.26 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159500		
223	63.1	52.2	78.2	
227	64.1	51.3	76.9	





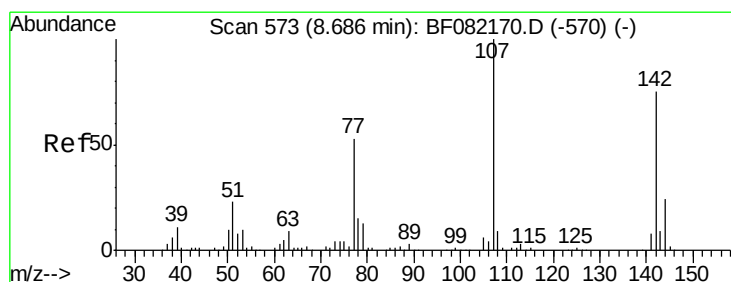
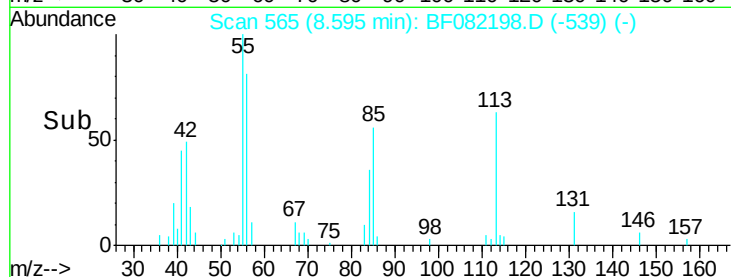
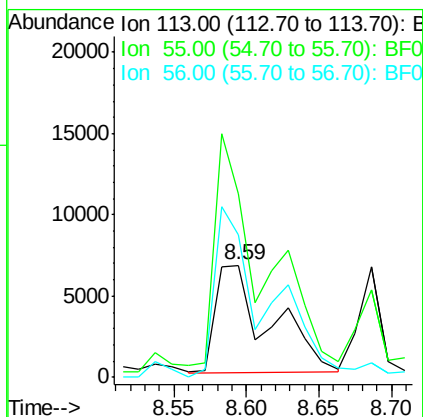
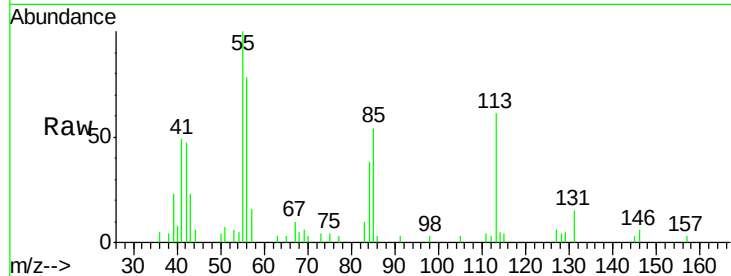
#35
 Caprolactam
 Concen: 12.06 ng
 RT: 8.59 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion:113 Resp: 17000
 Ion Ratio Lower Upper
 113 100
 55 163.7 149.7 189.7
 56 127.4 105.4 145.4

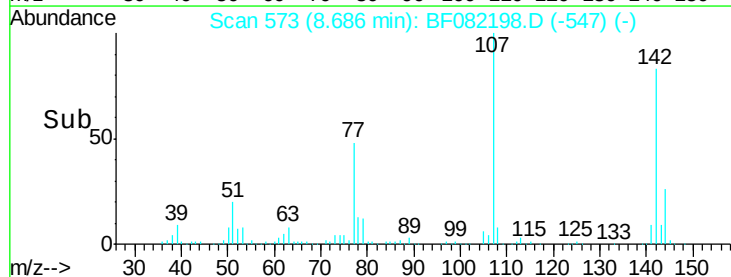
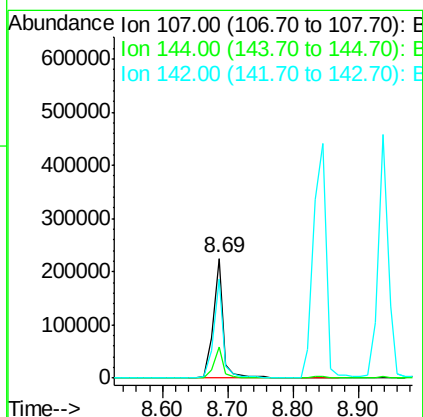
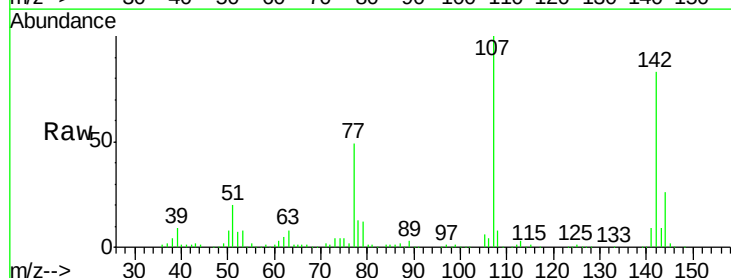
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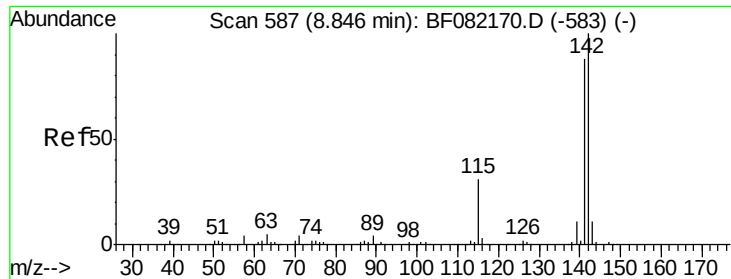
MMDadoda
 10/12/2015 2:38:01 PM



#36
 4-Chloro-3-methylphenol
 Concen: 51.78 ng
 RT: 8.69 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion:107 Resp: 245899
 Ion Ratio Lower Upper
 107 100
 144 26.4 19.3 28.9
 142 82.9 59.9 89.9





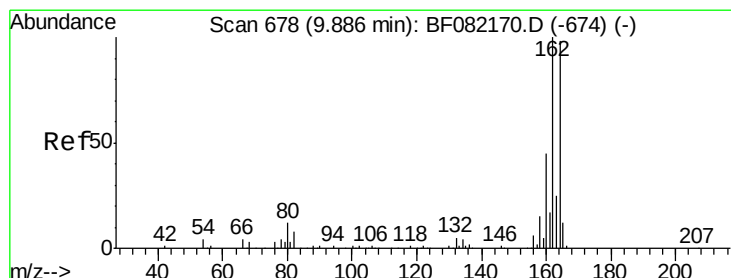
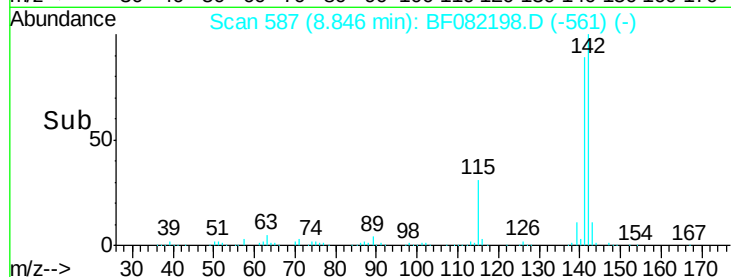
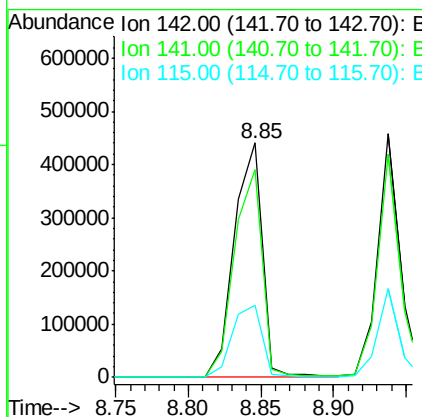
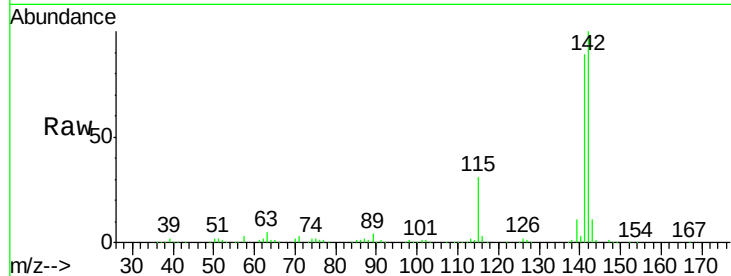
#37
2-Methylnaphthalene
Concen: 52.35 ng
RT: 8.85 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.4	105.6
115	30.5	24.6	37.0

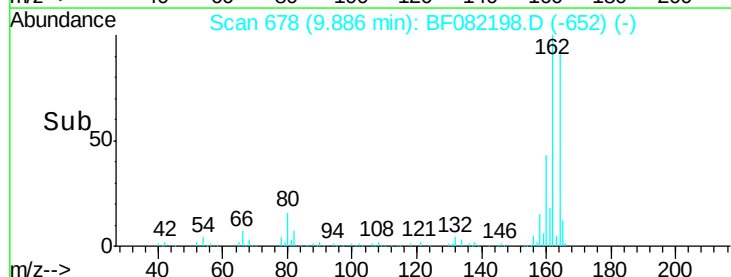
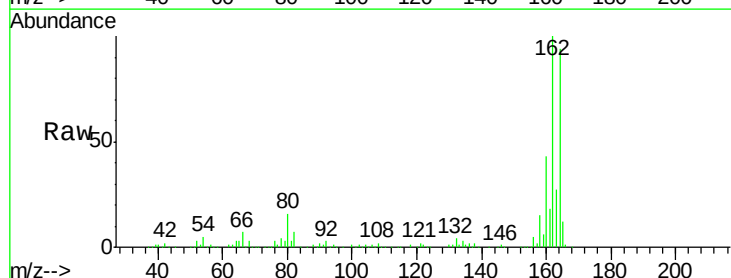
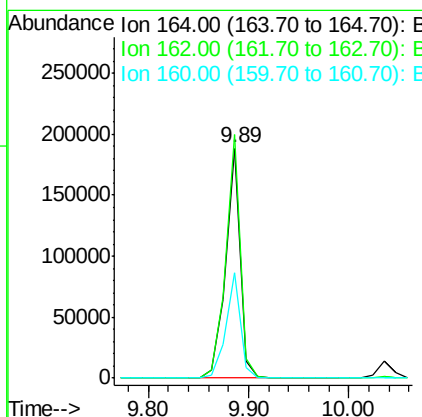
Manual Integrations
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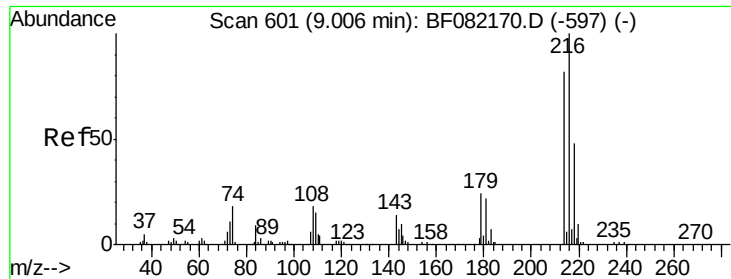
MMDadoda
10/12/2015 2:38:01 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 678
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	81.6	122.4
160	45.6	36.4	54.6





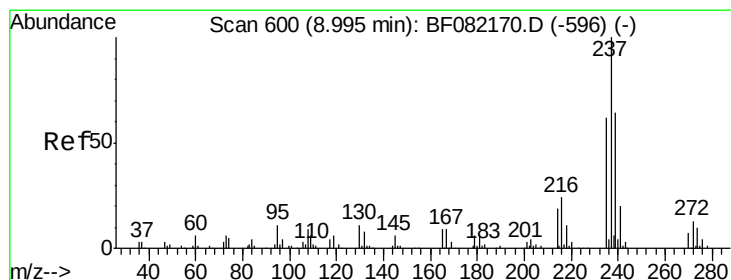
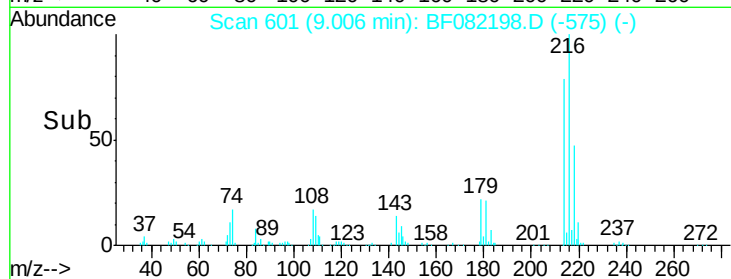
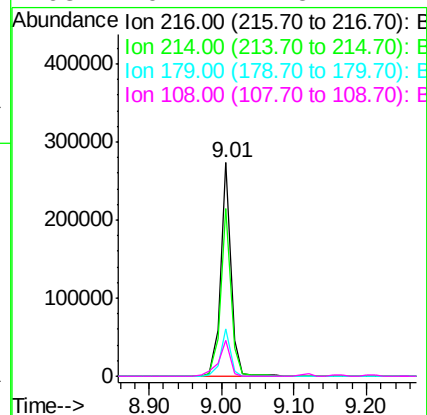
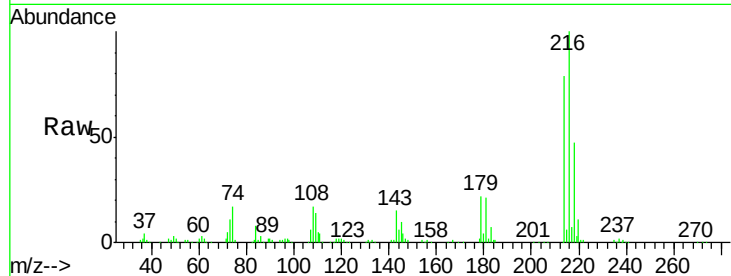
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.13 ng
 RT: 9.01 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	270727		
214	78.8	64.6	97.0	
179	21.5	17.6	26.4	
108	19.2	14.5	21.7	

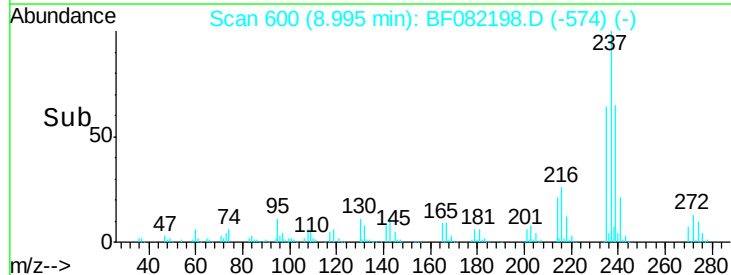
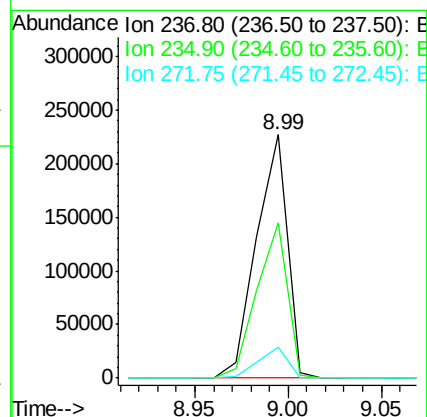
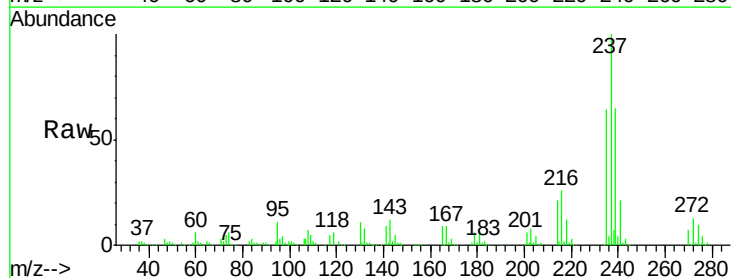
Manual Integrations
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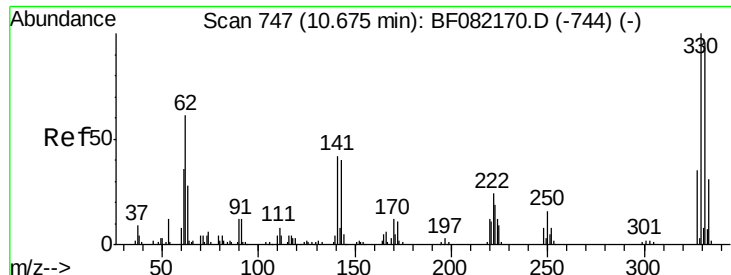
MMDadoda
 10/12/2015 2:38:01 PM



#40
 Hexachlorocyclopentadiene
 Concen: 90.01 ng
 RT: 8.99 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	259484		
235	63.9	41.7	81.7	
272	13.0	0.0	32.8	





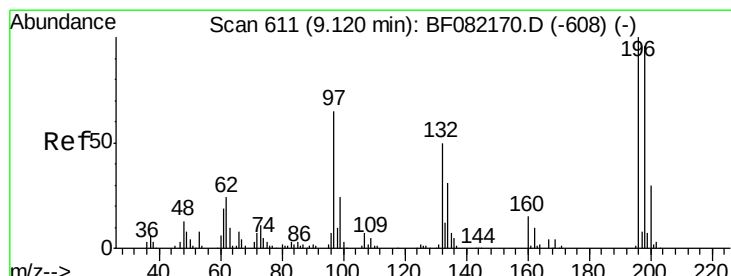
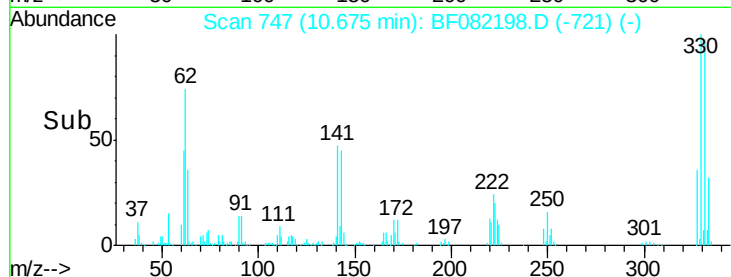
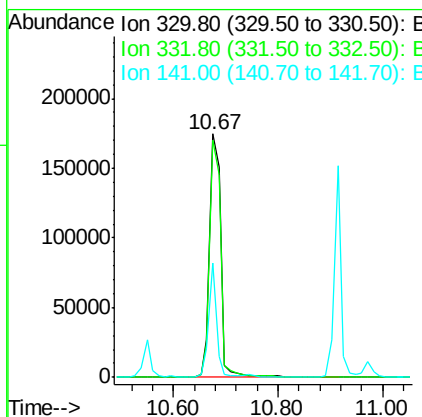
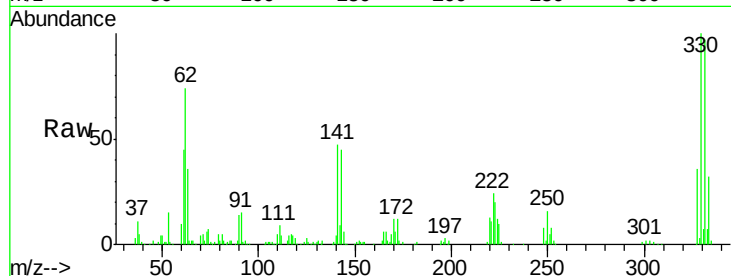
#41
 2,4,6-Tribromophenol
 Concen: 148.41 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	263208		
332	96.2	77.1	115.7	
141	33.0	29.8	44.8	

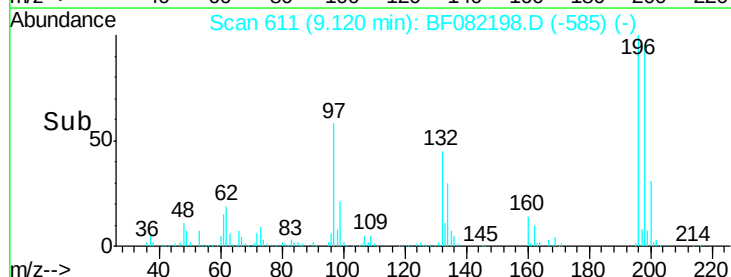
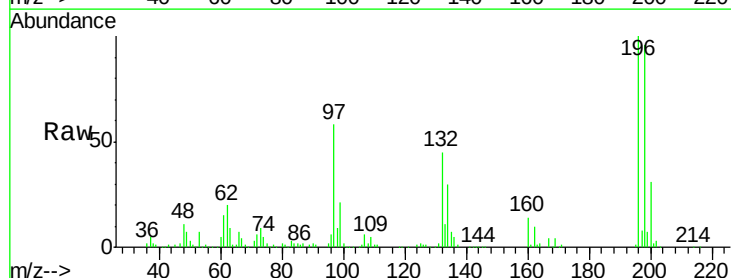
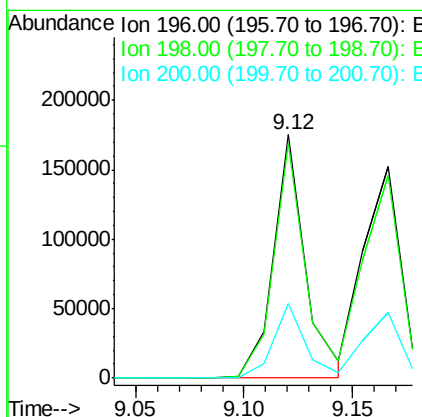
Manual Integrations
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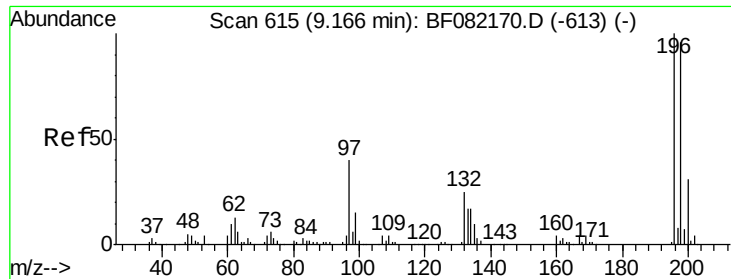
MMDadoda
 10/12/2015 2:38:01 PM



#42
 2,4,6-Trichlorophenol
 Concen: 48.26 ng
 RT: 9.12 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

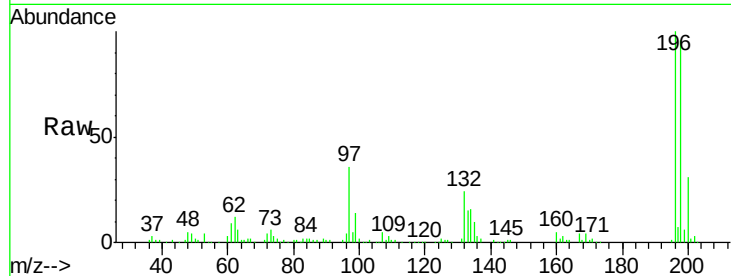
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	180310		
198	96.4	76.6	115.0	
200	30.7	23.7	35.5	





#43
 2,4,5-Trichlorophenol
 Concen: 48.39 ng
 RT: 9.17 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

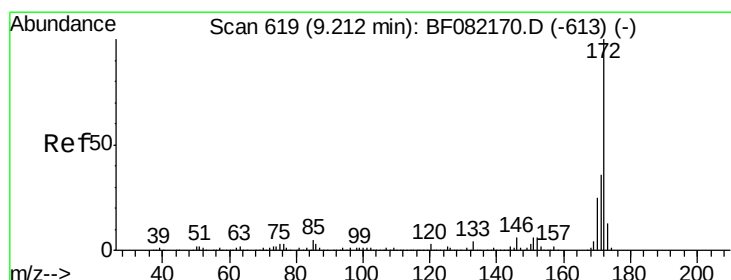
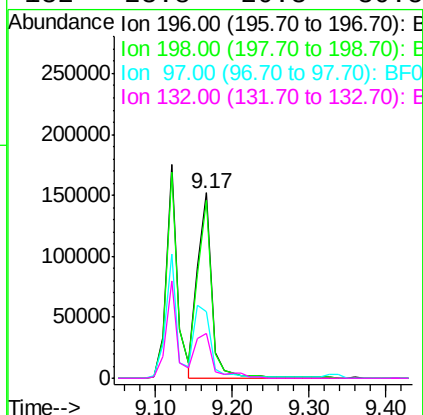
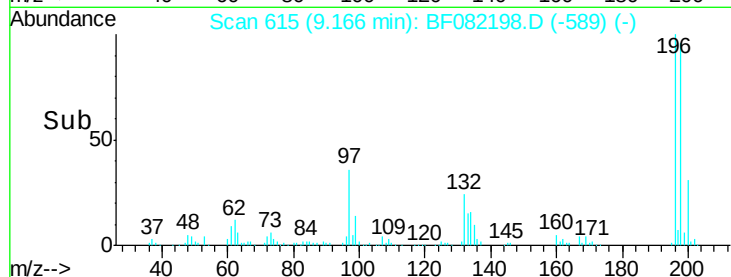
Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	195859		
198	96.0	77.0	115.4	
97	36.2	31.9	47.9	
132	23.8	20.3	30.5	

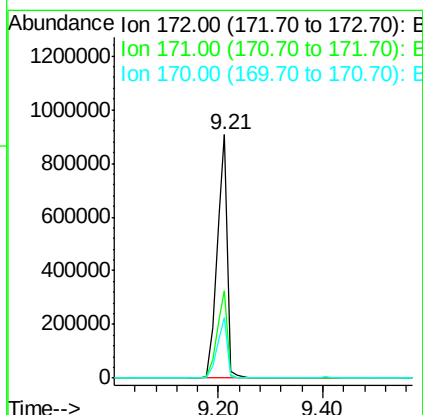
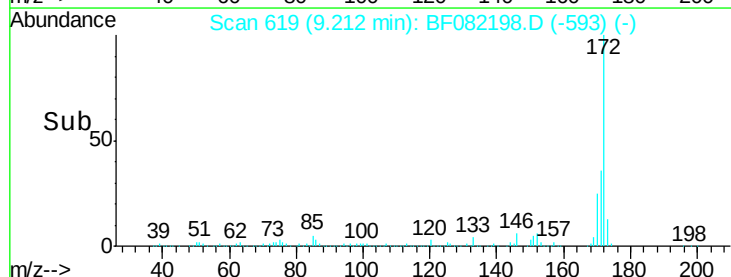
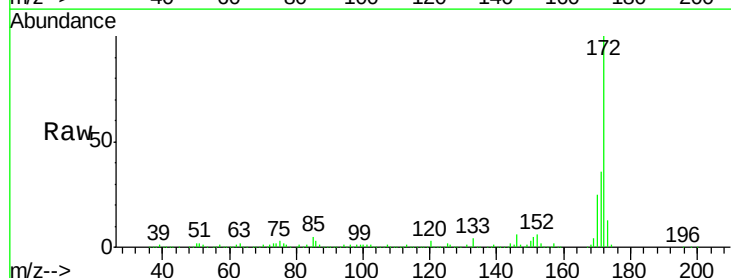
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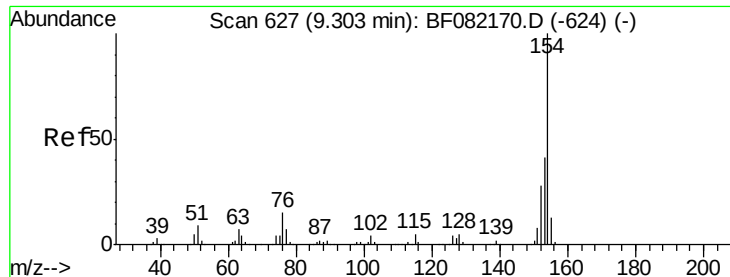
MMDadoda
 10/12/2015 2:38:01 PM



#44
 2-Fluorobiphenyl
 Concen: 106.52 ng
 RT: 9.21 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1214686		
171	35.9	28.6	42.8	
170	24.8	19.7	29.5	





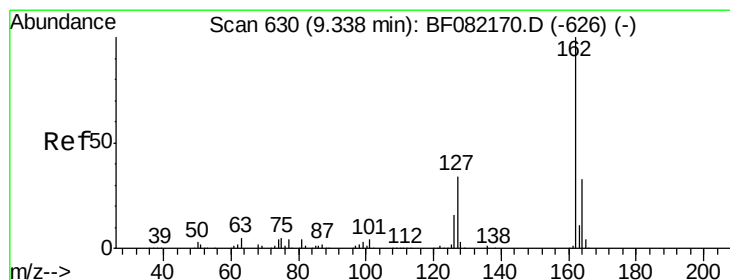
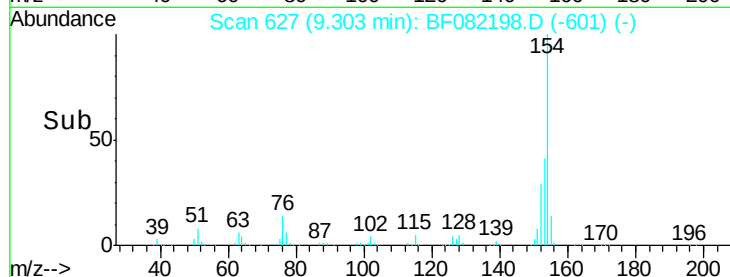
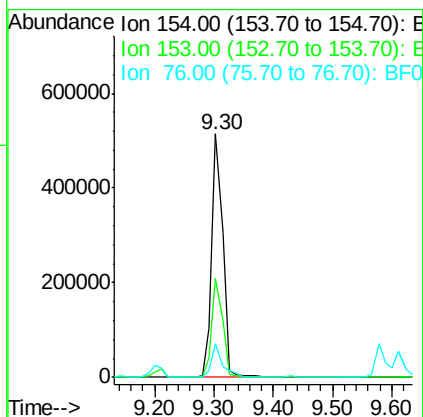
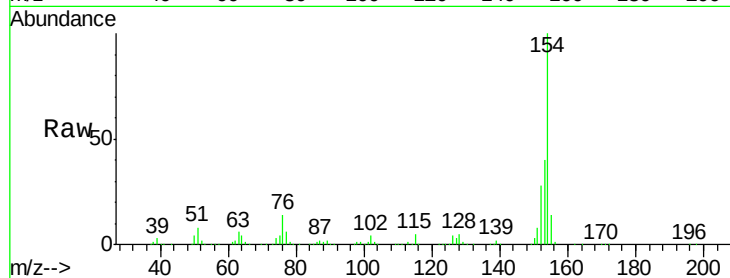
#45
 1,1'-Biphenyl
 Concen: 46.27 ng
 RT: 9.30 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	667261		
153	40.5	20.6	60.6	
76	13.9	0.0	35.2	

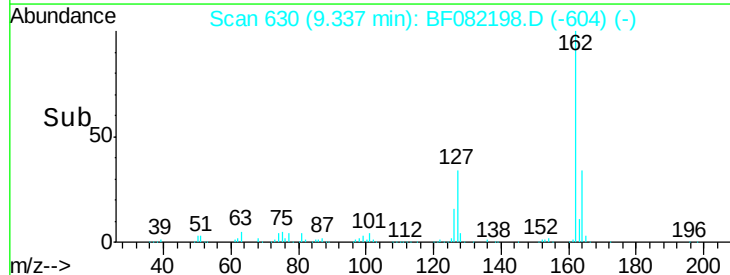
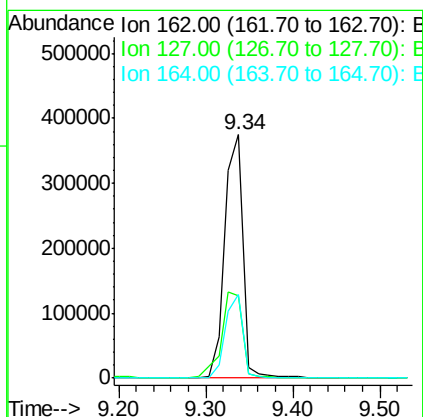
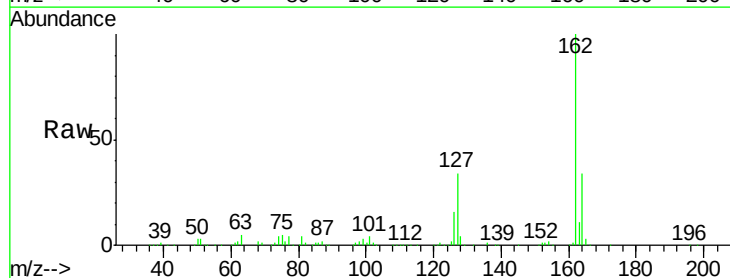
Manual Integrations
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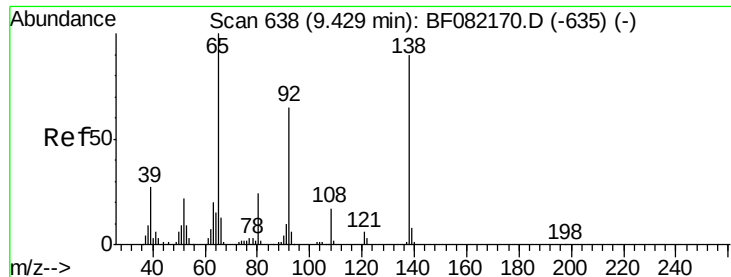
MMDadoda
 10/12/2015 2:38:01 PM



#46
 2-Chloronaphthalene
 Concen: 48.41 ng
 RT: 9.34 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	549601		
127	33.7	27.5	41.3	
164	34.4	26.6	39.8	





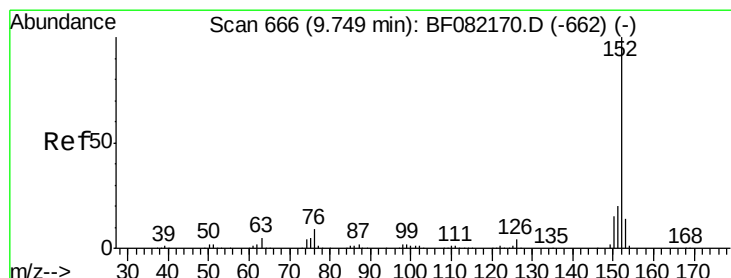
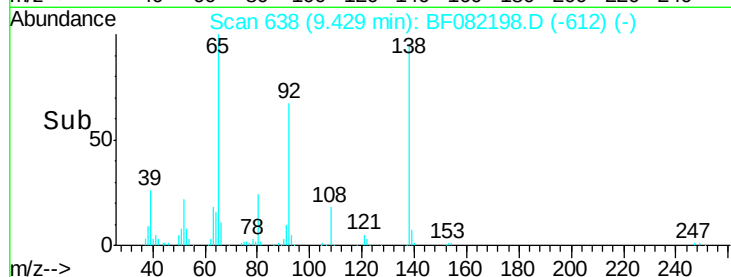
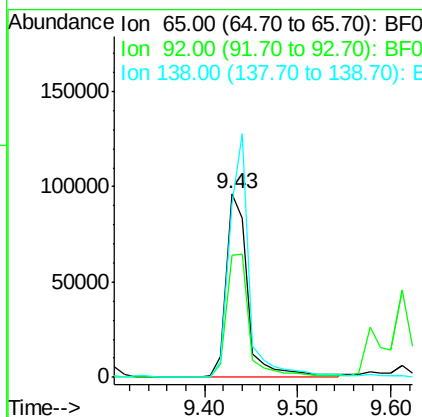
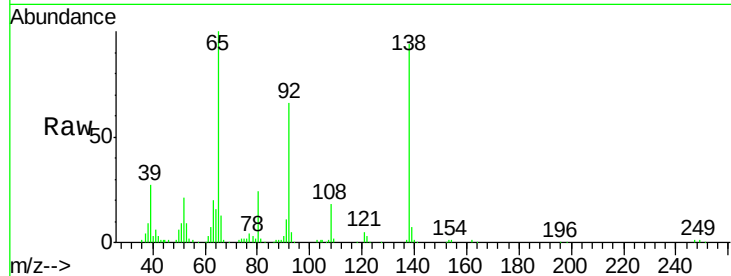
#47
2-Nitroaniline
Concen: 50.30 ng
RT: 9.43 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.3	78.5
138	94.4	72.2	108.4

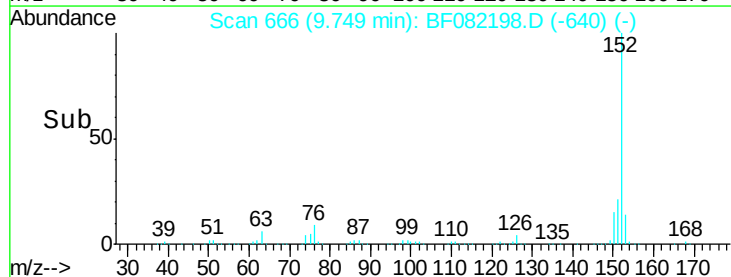
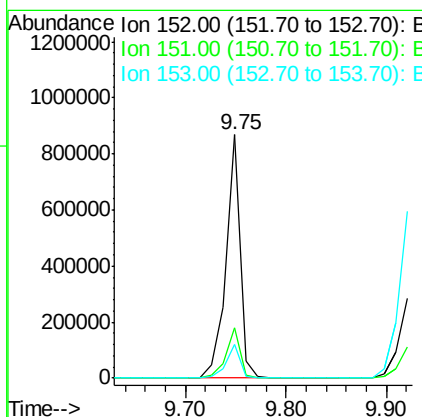
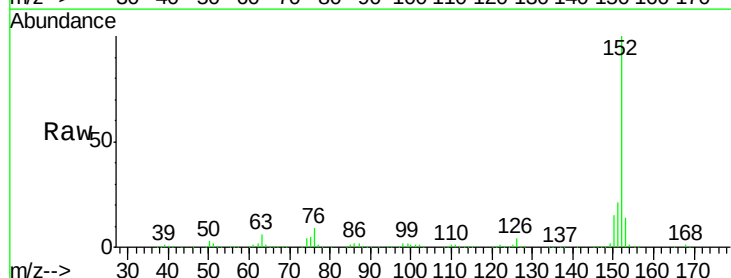
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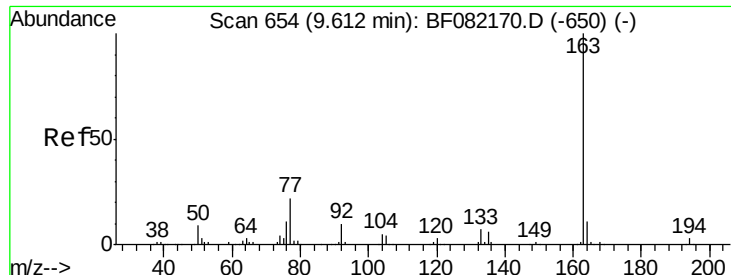
MMDadoda
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#48
Acenaphthylene
Concen: 48.37 ng
RT: 9.75 min Scan# 666
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.4	24.6
153	13.7	10.8	16.2





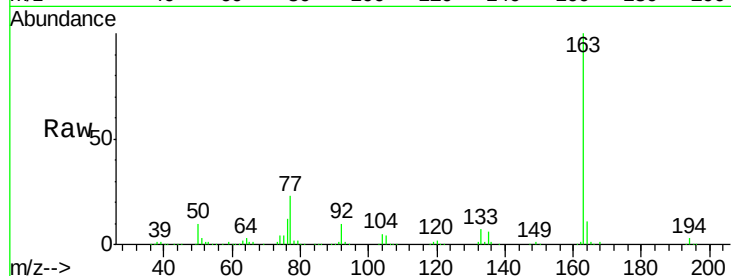
#49
Dimethylphthalate
Concen: 48.60 ng
RT: 9.61 min Scan# 654
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

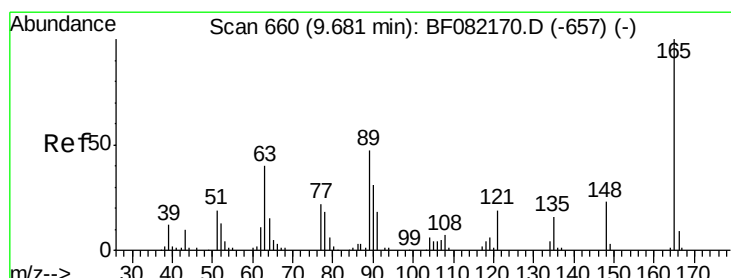
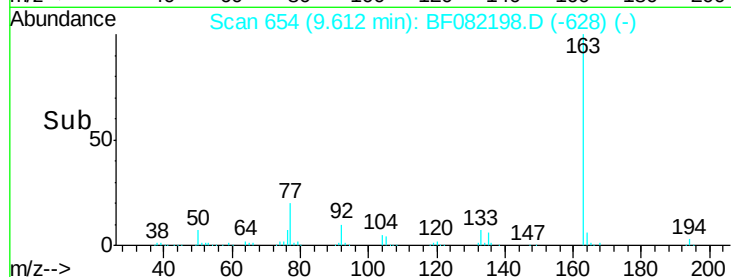
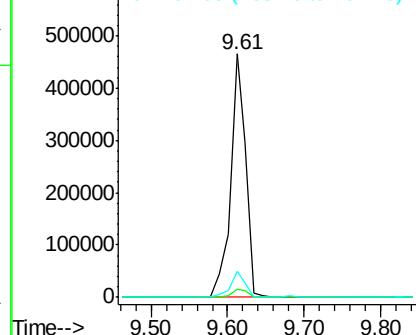
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.6	4.0
164	10.7	8.5	12.7

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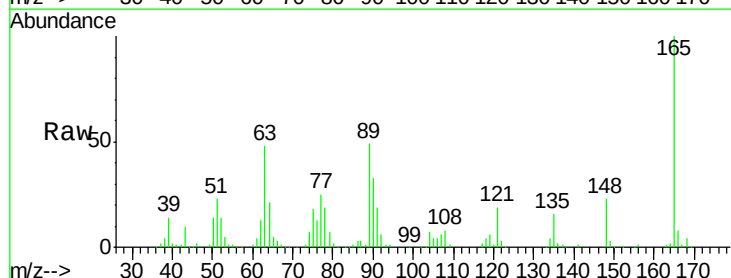


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

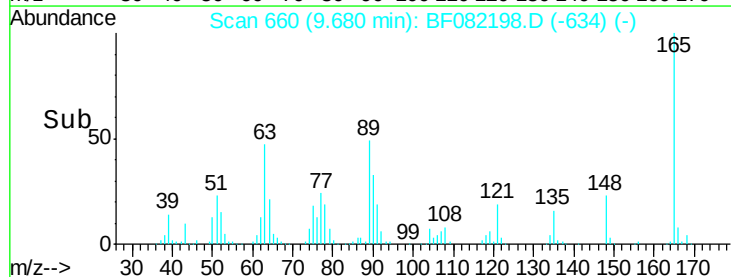
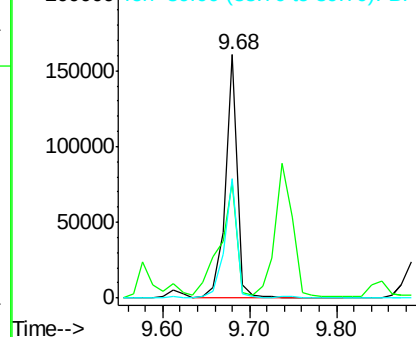


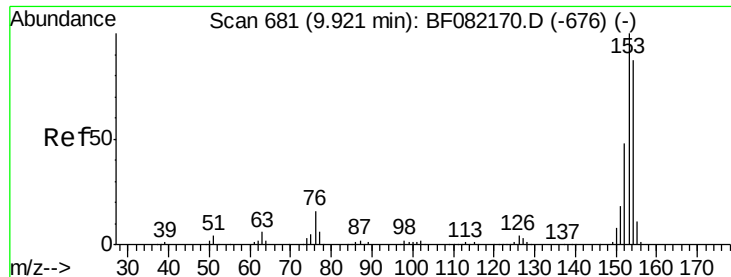
#50
2,6-Dinitrotoluene
Concen: 55.18 ng
RT: 9.68 min Scan# 660
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	47.6	36.7	55.1
89	48.9	37.8	56.6



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: 49.54 ng

RT: 9.92 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF082198.D

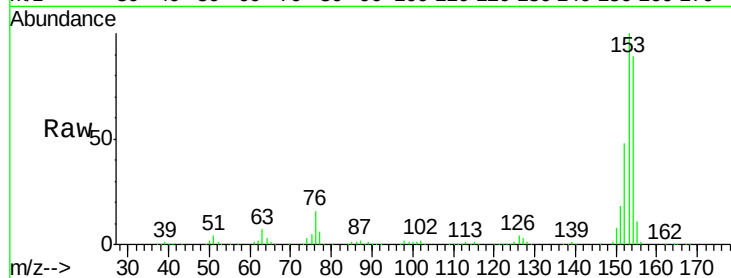
Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

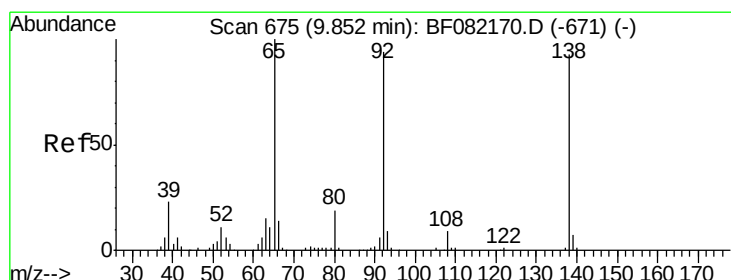
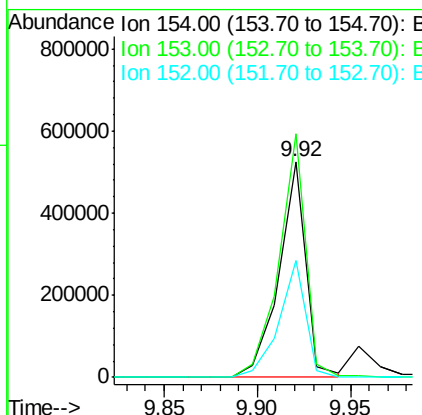
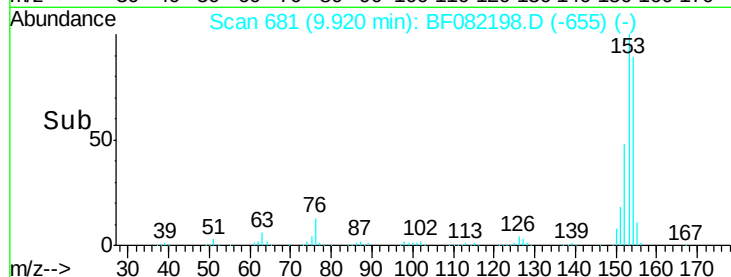
IM-MLA-(1.5-02)MSD



Tgt Ion:	154	Resp:	525928
Ion Ratio	Lower	Upper	
154	100		
153	112.7	91.4	137.2
152	54.1	44.3	66.5

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#52

3-Nitroaniline

Concen: 31.47 ng

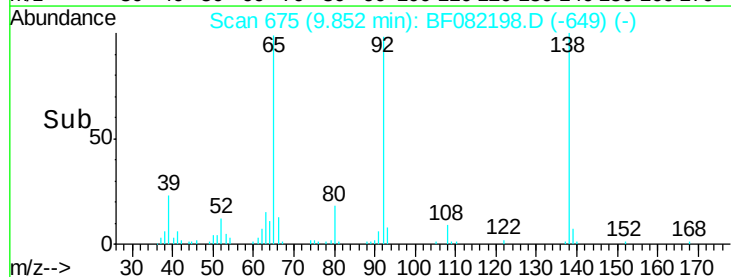
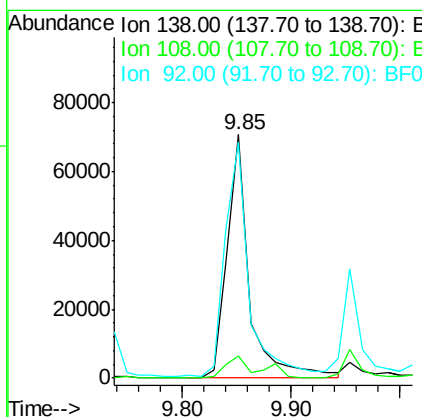
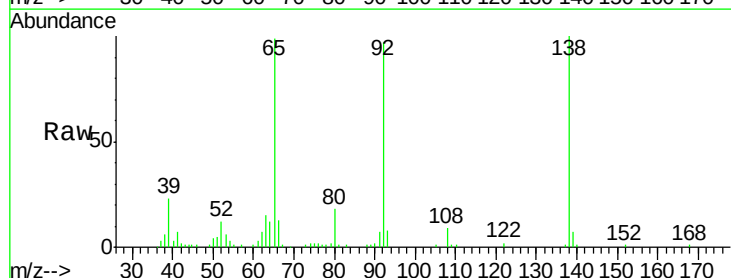
RT: 9.85 min Scan# 675

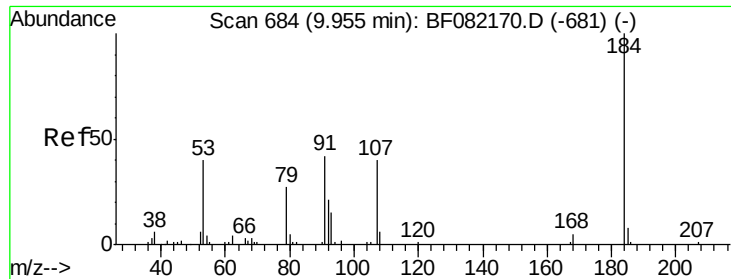
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion:	138	Resp:	99877
Ion Ratio	Lower	Upper	
138	100		
108	9.1	7.4	11.0
92	97.0	81.3	121.9





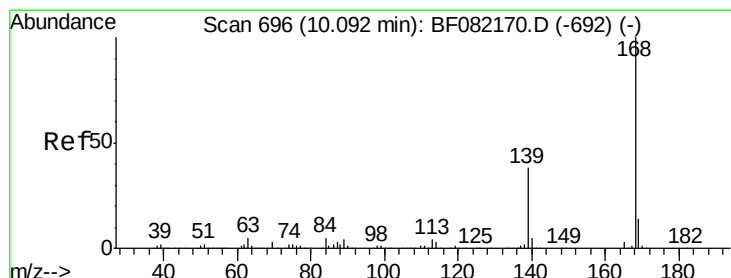
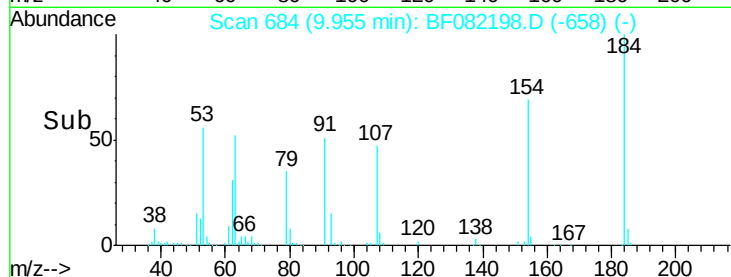
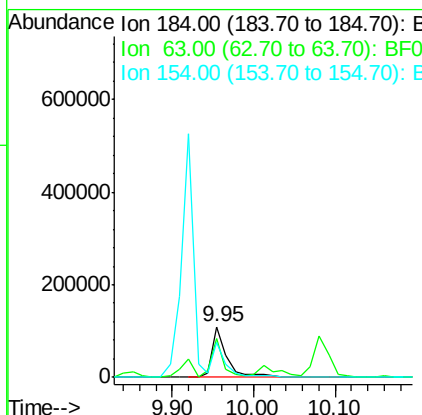
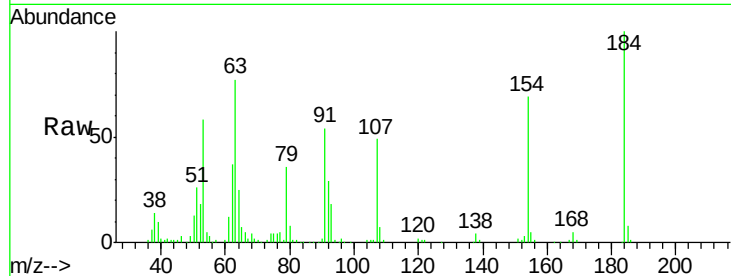
#53
2,4-Dinitrophenol
Concen: 90.09 ng
RT: 9.95 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	142832		
63	77.1	45.1	67.7#	
154	69.1	51.2	76.8	

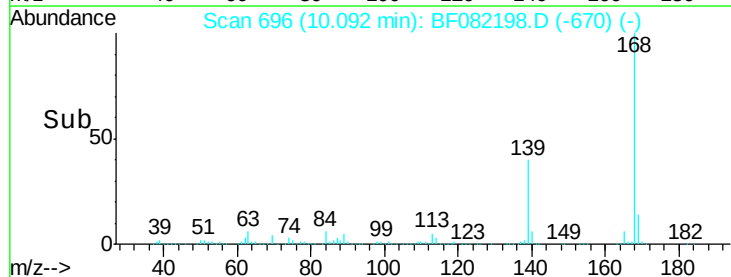
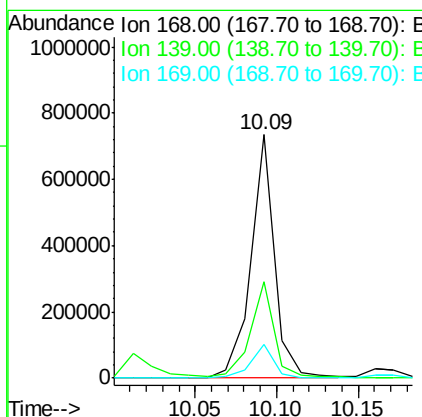
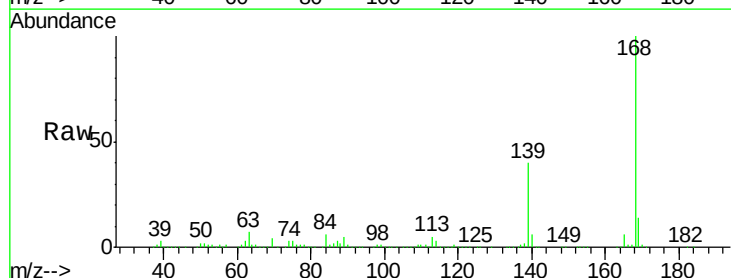
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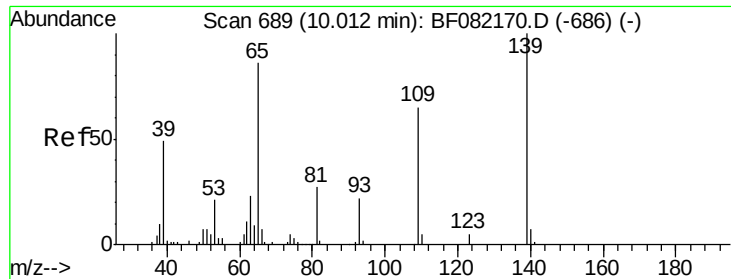
MMDadoda
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#54
Dibenzofuran
Concen: 50.65 ng
RT: 10.09 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	738283		
139	39.7	31.0	46.6	
169	13.8	10.9	16.3	





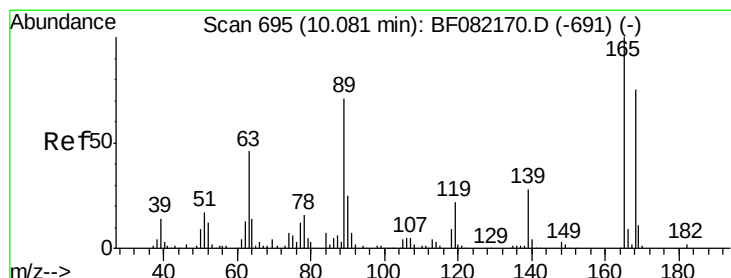
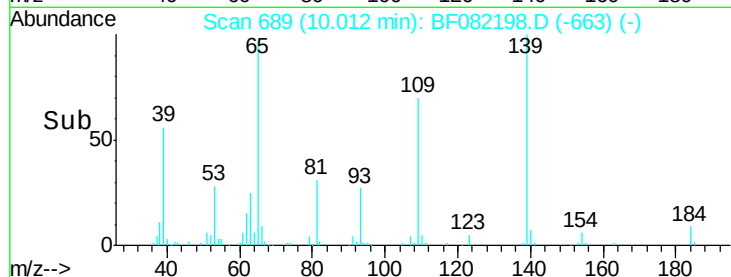
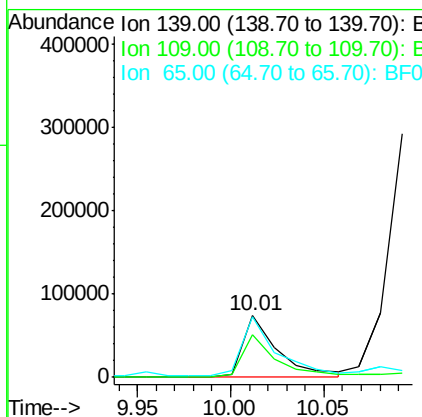
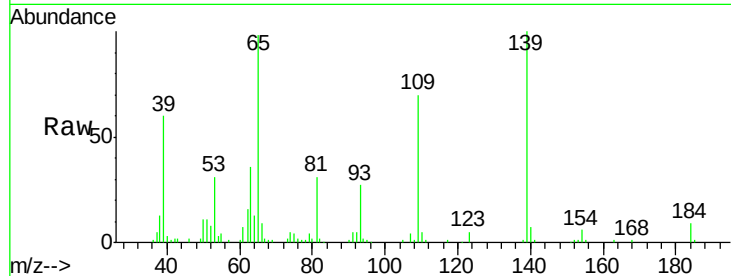
#55
4-Nitrophenol
Concen: 51.69 ng
RT: 10.01 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	97387		
109	69.6	44.8	84.8	
65	98.3	67.7	107.7	

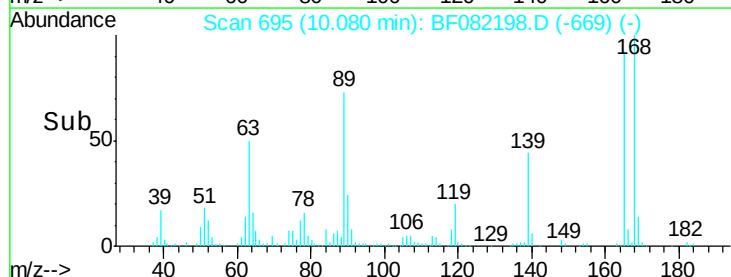
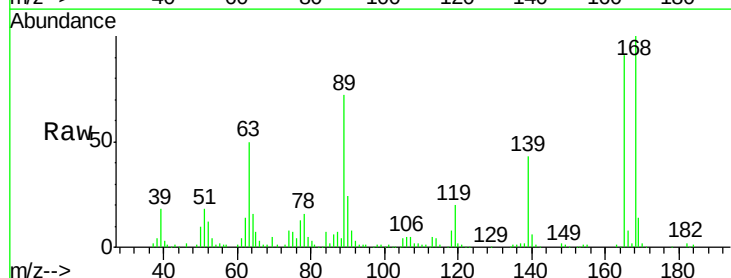
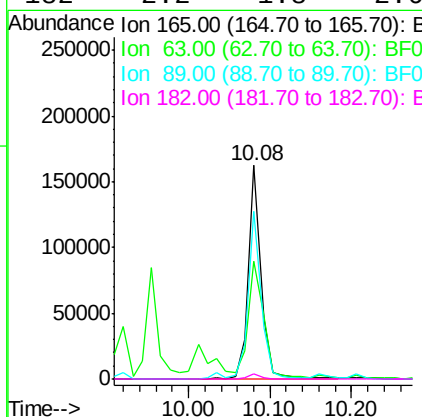
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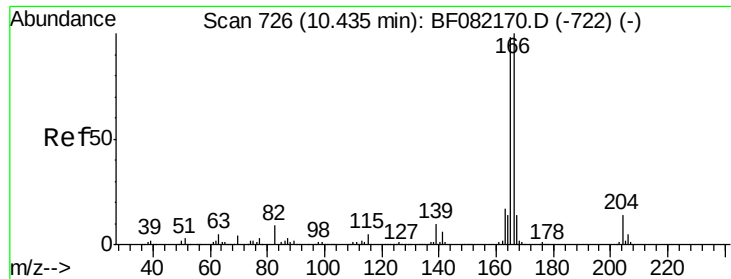
MMDadoda
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#56
2,4-Dinitrotoluene
Concen: 50.35 ng
RT: 10.08 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	176838		
63	54.9	38.6	58.0	
89	78.7	57.0	85.6	
182	2.2	1.8	2.6	





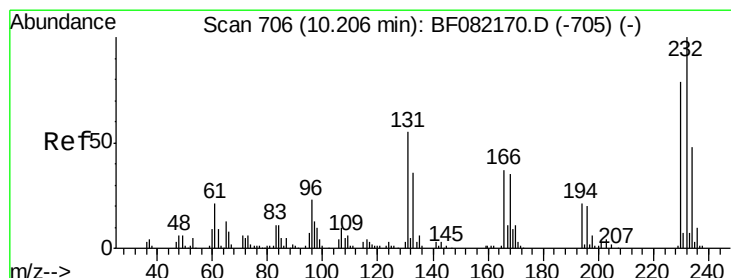
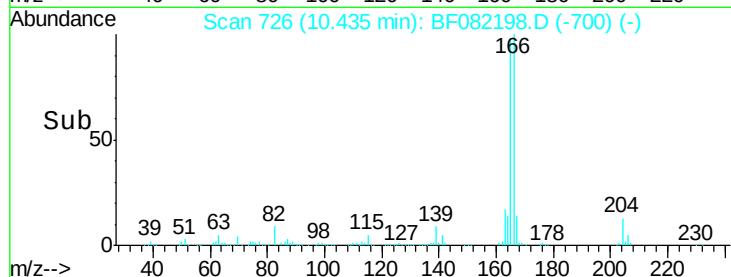
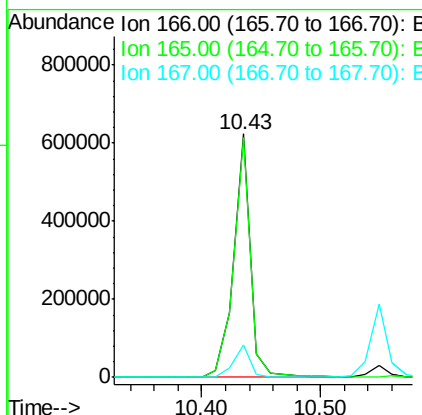
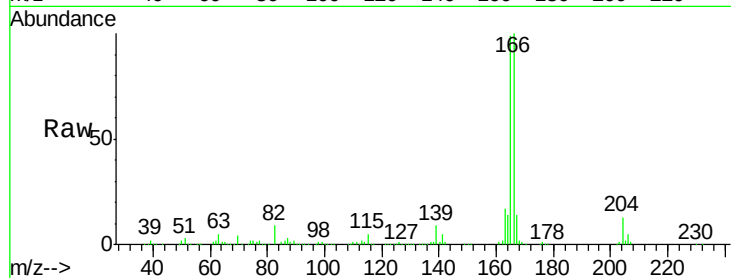
#57
 Fluorene
 Concen: 51.21 ng
 RT: 10.43 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	613010		
165	98.6	78.3	117.5	
167	13.5	10.8	16.2	

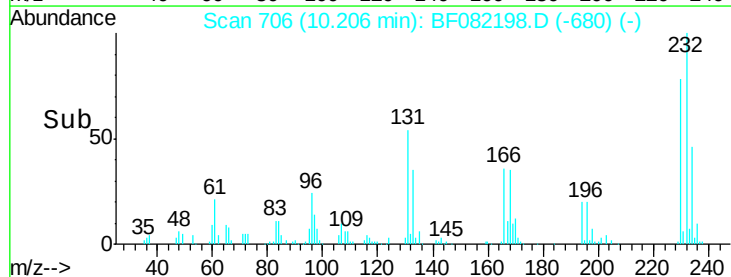
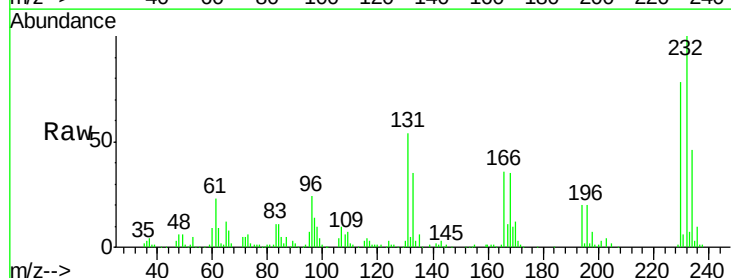
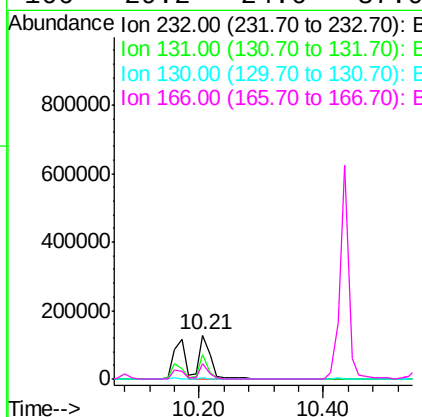
Manual Integrations
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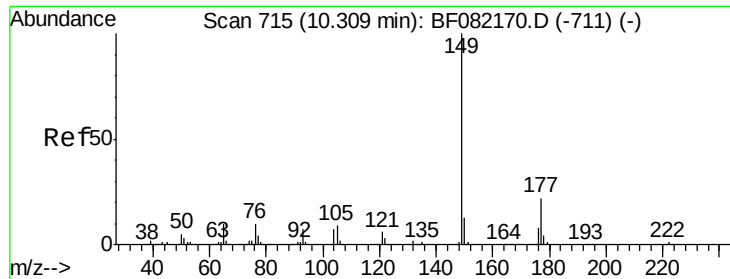
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 49.91 ng
 RT: 10.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	165040		
131	43.3	36.6	54.8	
130	2.0	1.5	2.3	
166	29.2	24.6	37.0	





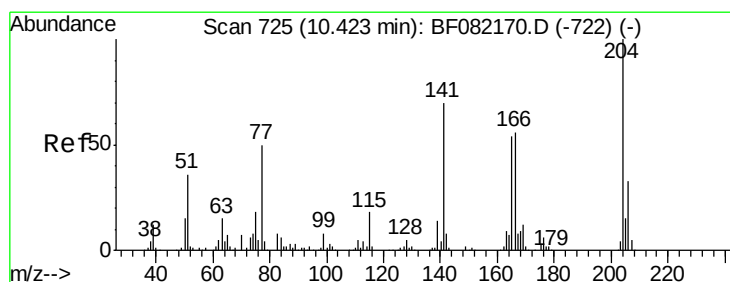
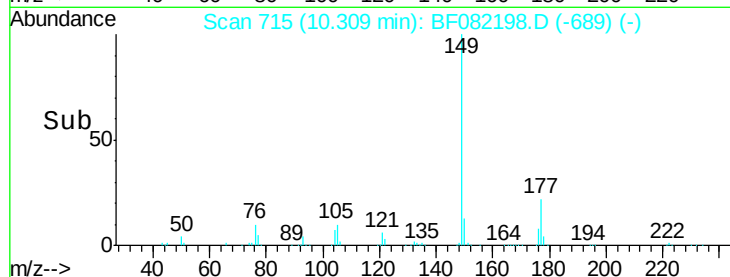
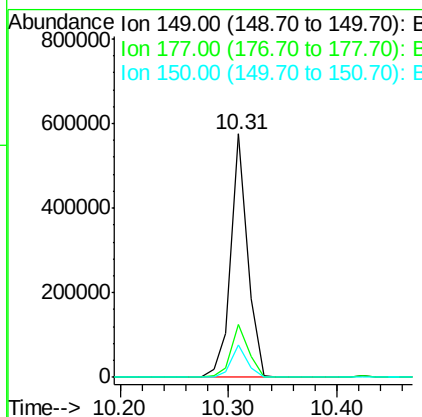
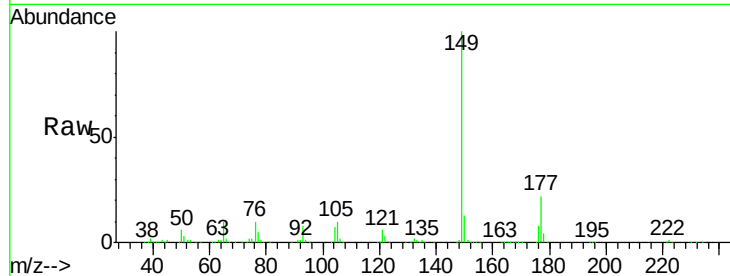
#59
Diethylphthalate
Concen: 49.30 ng
RT: 10.31 min Scan# 715
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	611902		
177	21.7	17.6	26.4	
150	13.1	10.3	15.5	

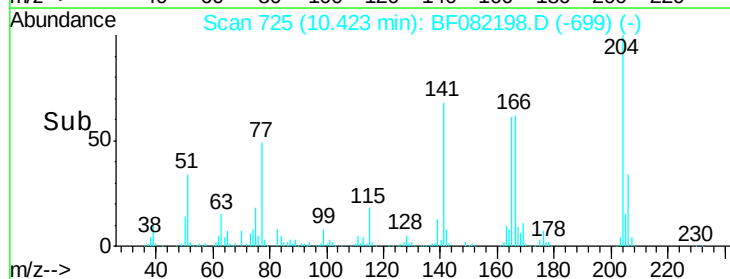
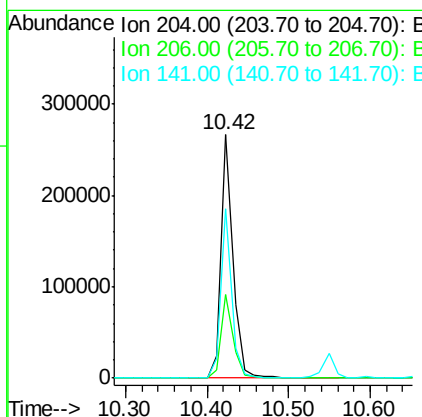
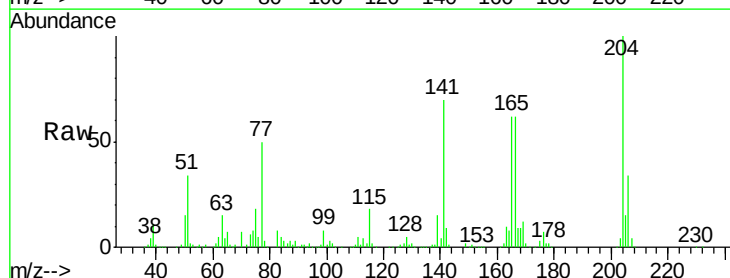
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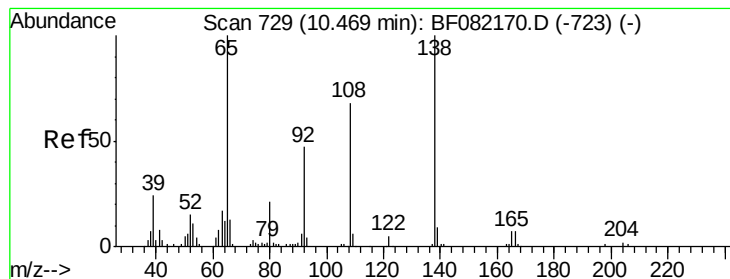
MMDadoda
10/12/2015 2:38:01 PM



#60
4-Chlorophenyl-phenylether
Concen: 48.75 ng
RT: 10.42 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	267321		
206	34.3	26.8	40.2	
141	69.8	56.1	84.1	





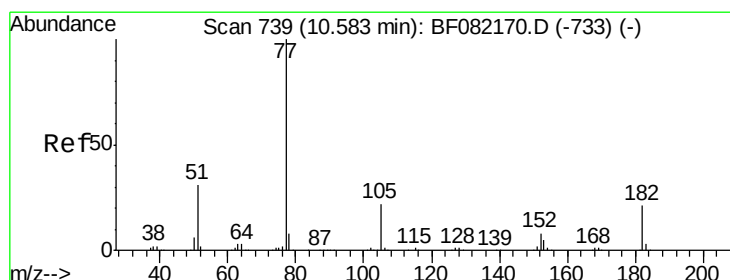
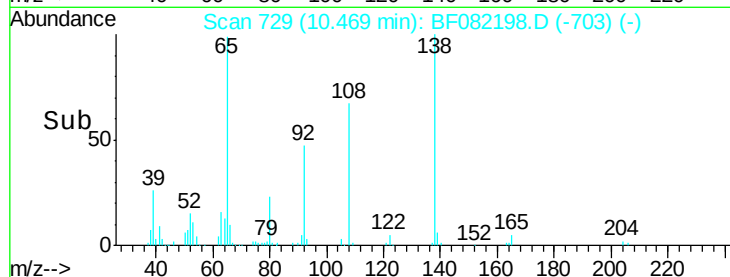
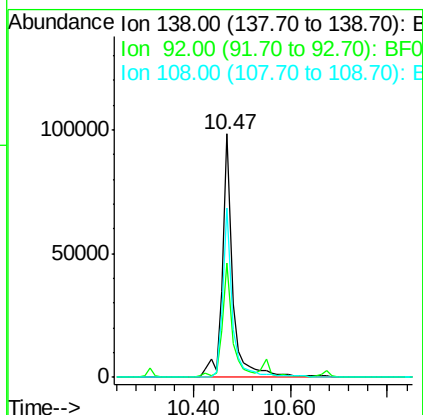
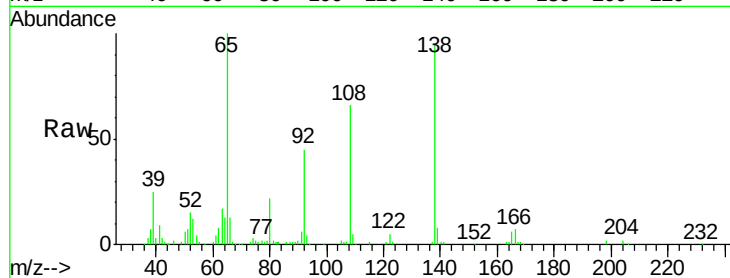
#61
4-Nitroaniline
Concen: 47.93 ng
RT: 10.47 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.2	26.8	66.8
108	69.6	48.4	88.4

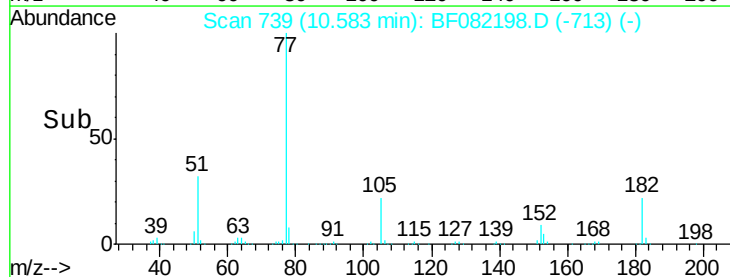
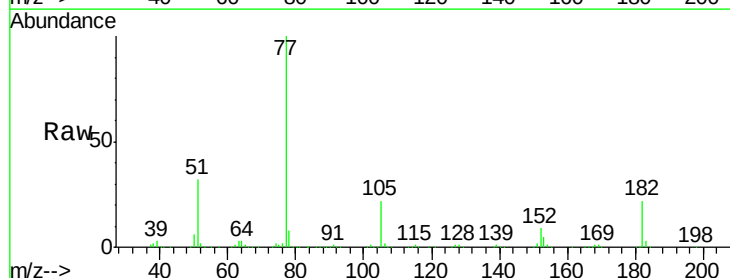
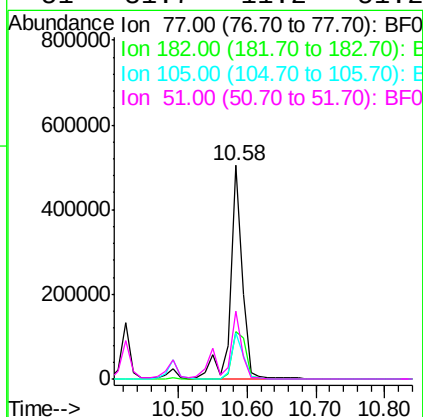
Manual Integrations
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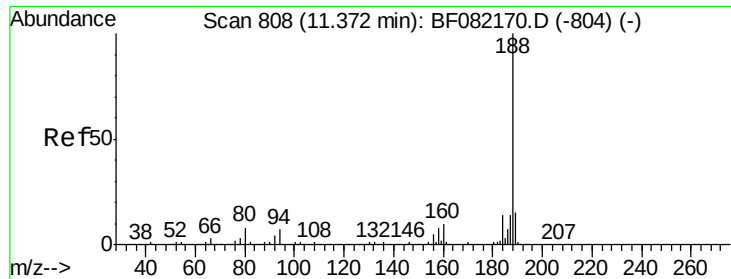
MMDadoda
10/12/2015 2:38:01 PM



#62
Azobenzene
Concen: 50.64 ng
RT: 10.58 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.5	40.5
105	21.9	1.8	41.8
51	31.7	11.2	51.2





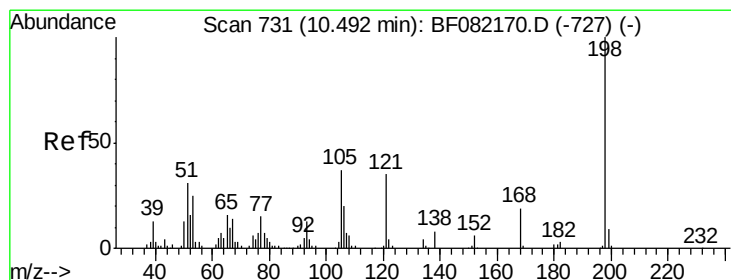
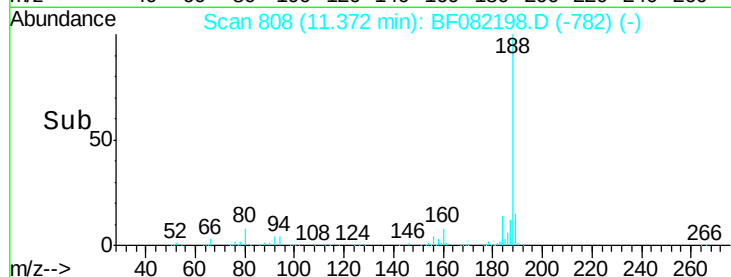
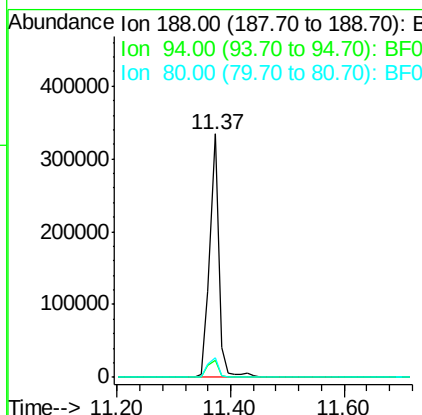
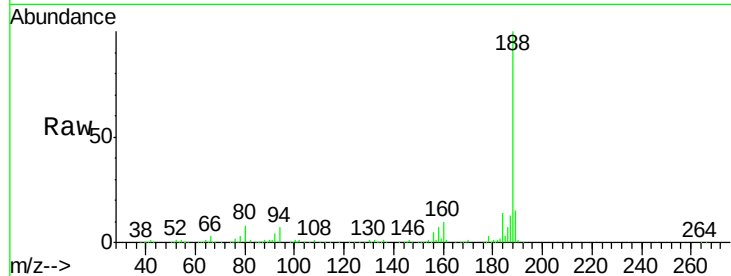
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.3	5.8	8.6
80	8.2	6.4	9.6

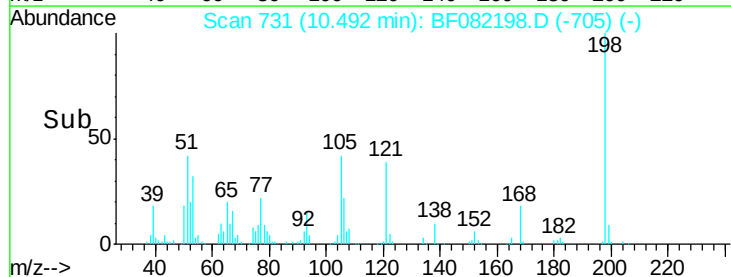
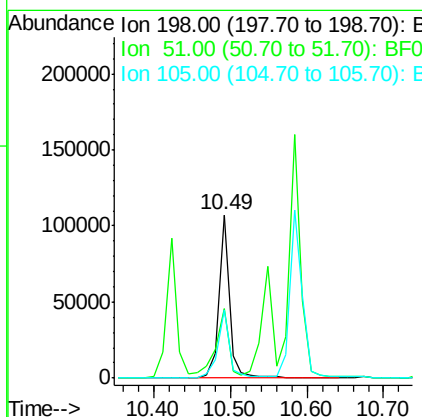
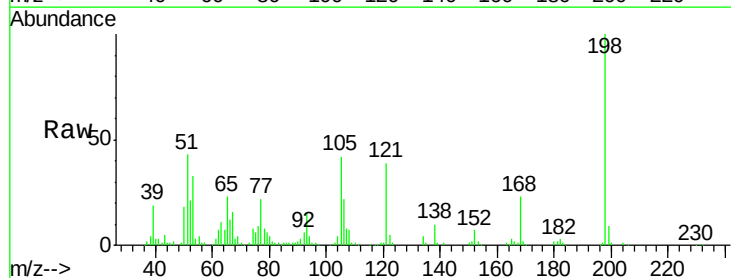
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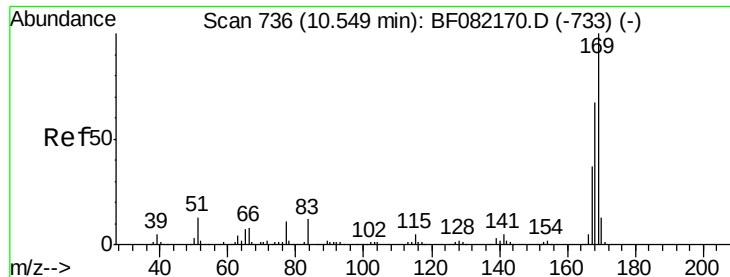
MMDadoda
10/12/2015 2:38:01 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 51.82 ng
RT: 10.49 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	42.6	13.6	53.6
105	42.1	17.1	57.1





#65

n-Nitrosodiphenylamine

Concen: 48.41 ng

RT: 10.55 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

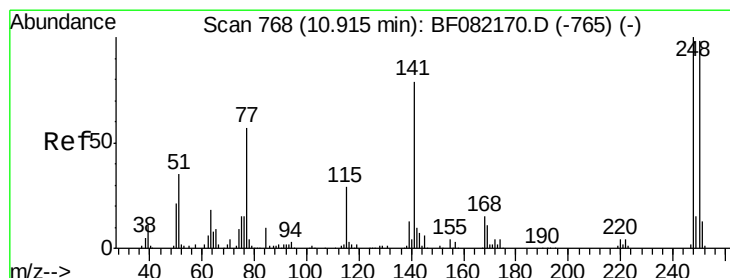
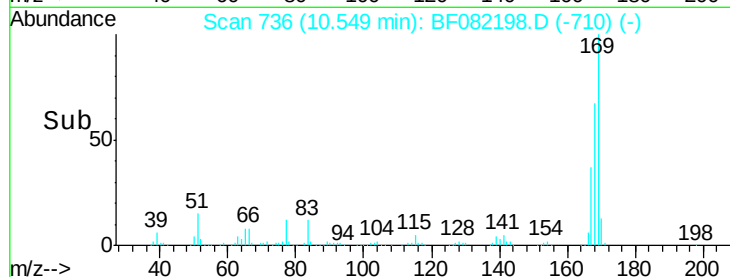
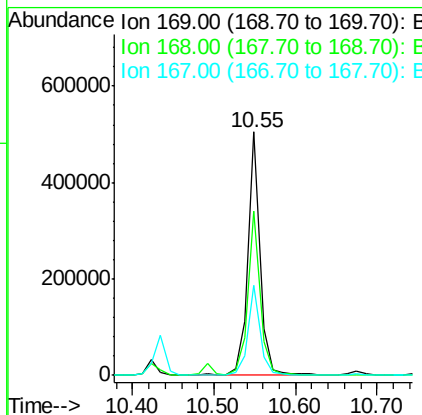
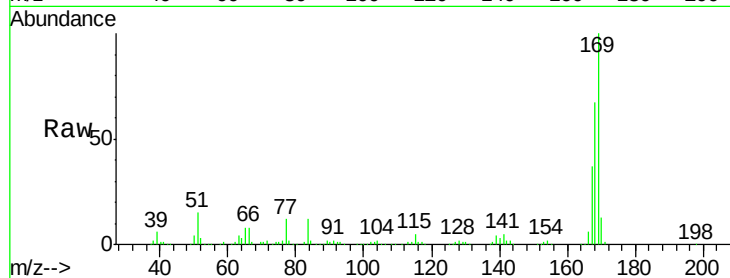
ClientSampleId :

IM-MLA-(1.5-02)MSD

Tgt Ion:	169	Resp:	520165
Ion Ratio	Lower	Upper	
169	100		
168	67.3	54.0	81.0
167	37.2	29.6	44.4

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#66

4-Bromophenyl-phenylether

Concen: 49.27 ng

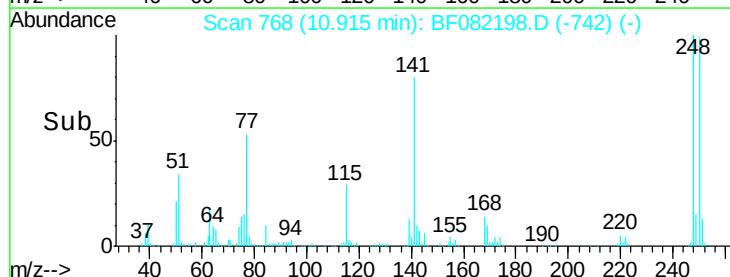
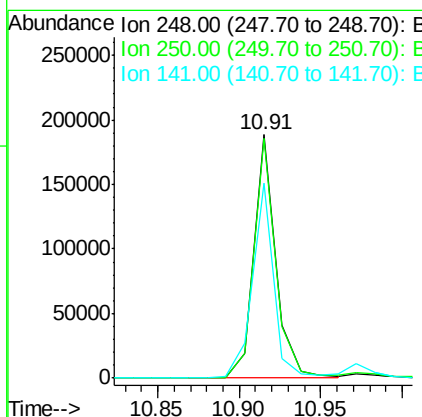
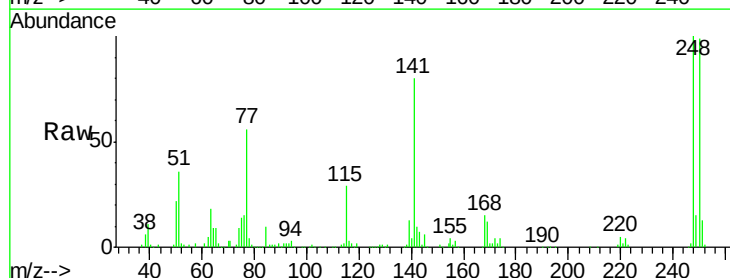
RT: 10.91 min Scan# 768

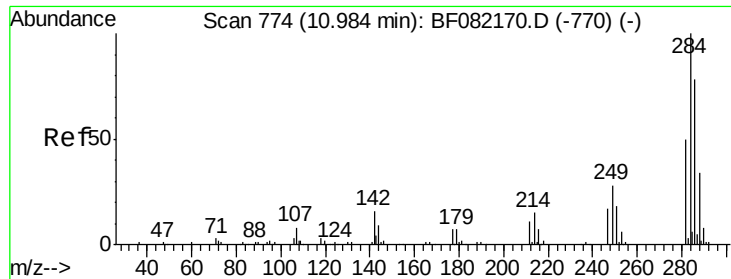
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion:	248	Resp:	176977
Ion Ratio	Lower	Upper	
248	100		
250	98.6	78.6	117.8
141	80.3	63.3	94.9





#67

Hexachlorobenzene

Concen: 50.13 ng

RT: 10.98 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF082198.D

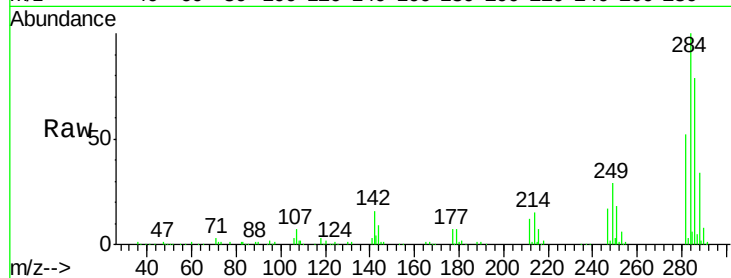
Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

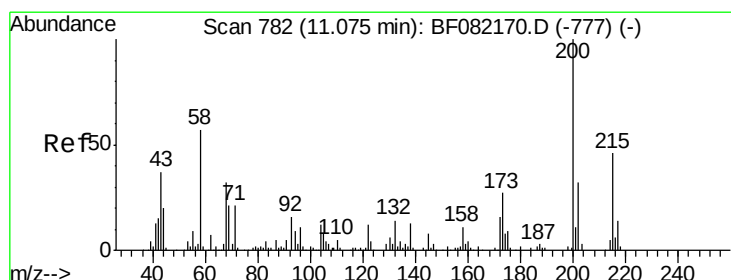
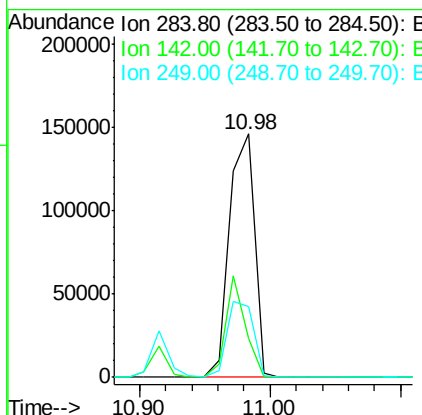
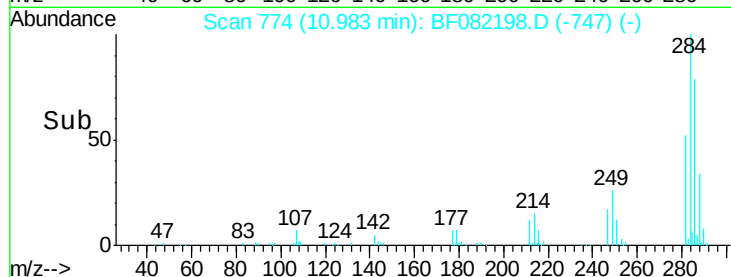
IM-MLA-(1.5-02)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
284	100	194745		
142	15.8	13.0	19.6	
249	28.9	22.5	33.7	

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#68

Atrazine

Concen: 46.95 ng

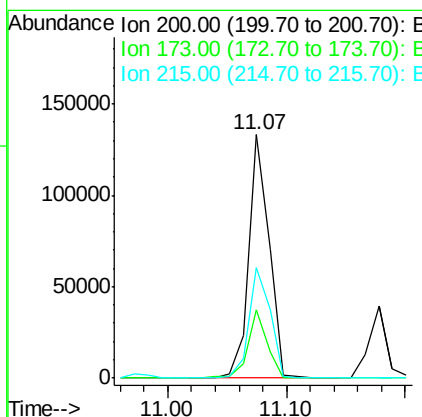
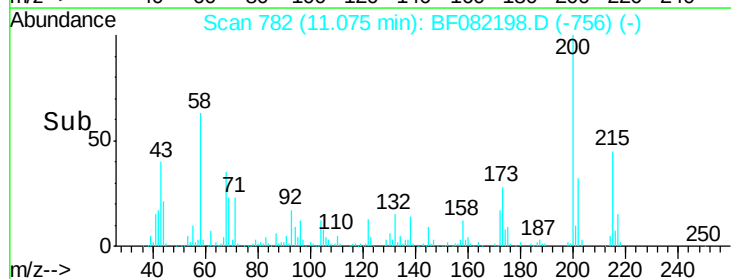
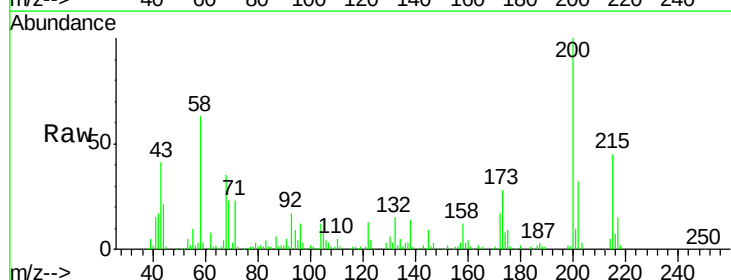
RT: 11.07 min Scan# 782

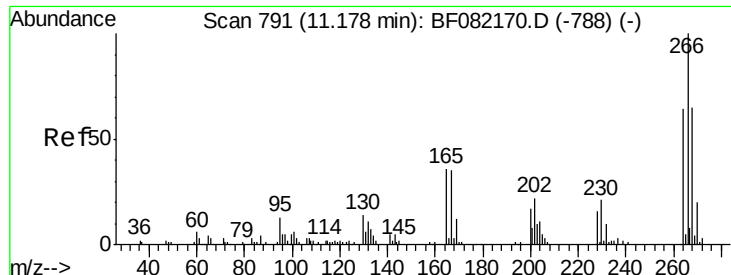
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	159848		
173	28.1	7.3	47.3	
215	45.5	26.2	66.2	





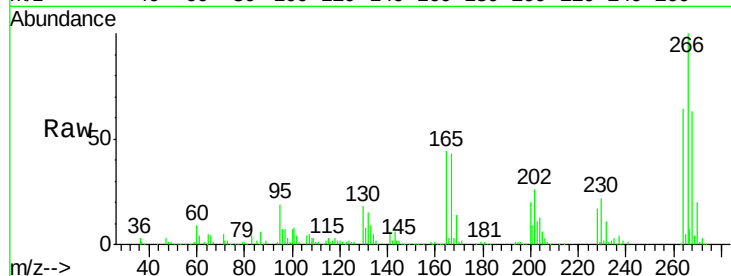
#69
 Pentachlorophenol
 Concen: 105.85 ng
 RT: 11.18 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

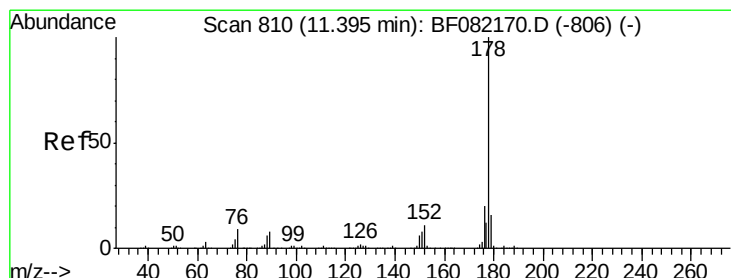
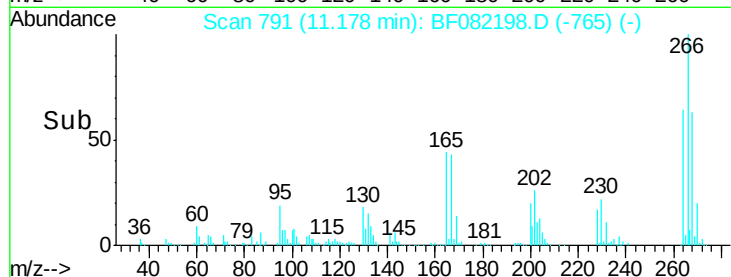
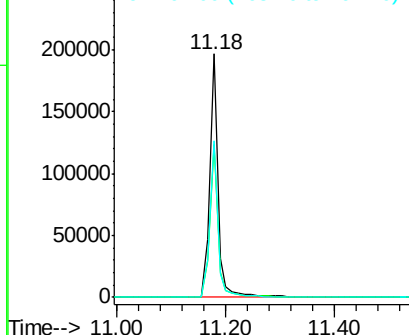
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	211593		
268	62.7	52.0	78.0	
264	64.3	51.4	77.0	

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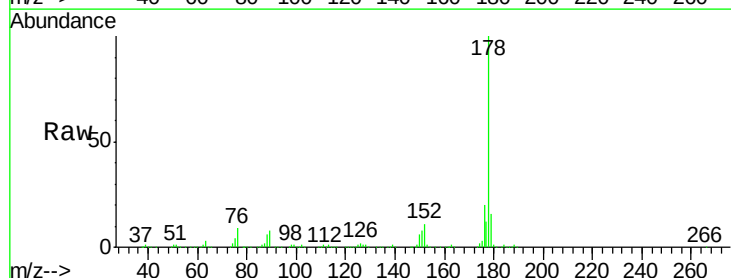


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

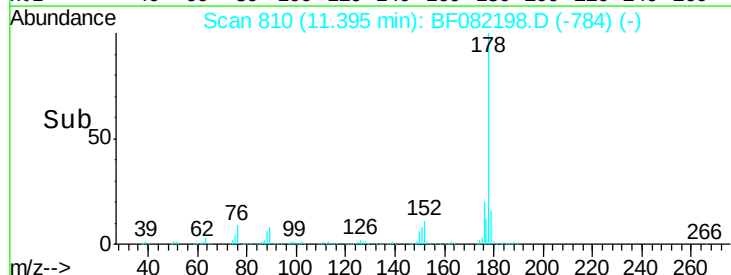
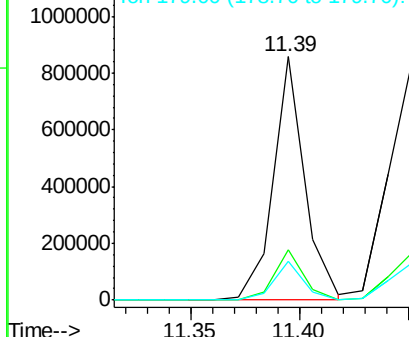


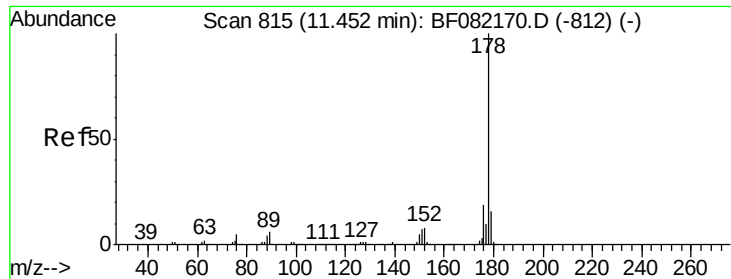
#70
 Phenanthrene
 Concen: 49.18 ng
 RT: 11.39 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	865138		
176	20.5	16.0	24.0	
179	16.2	12.6	19.0	



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





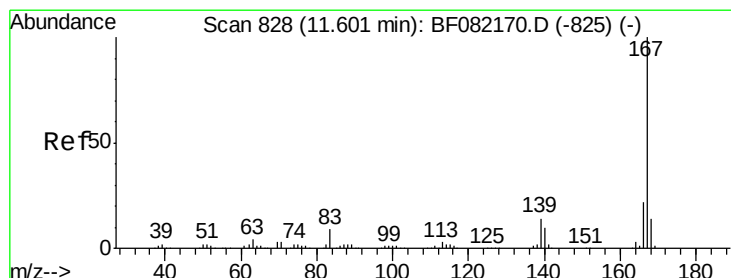
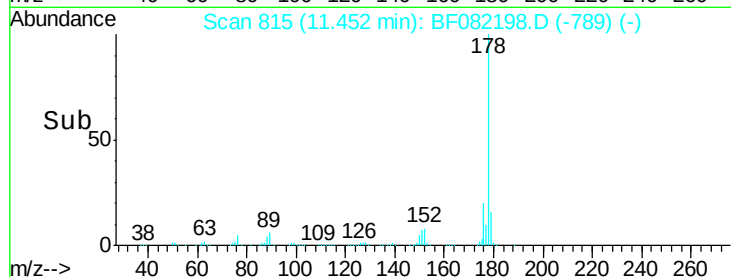
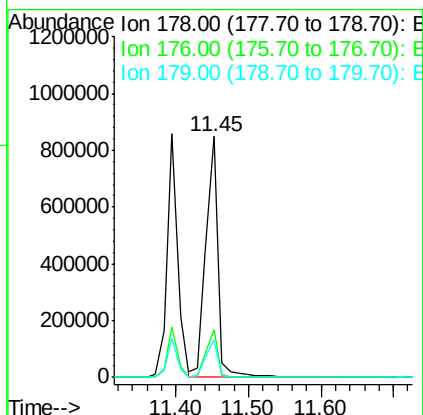
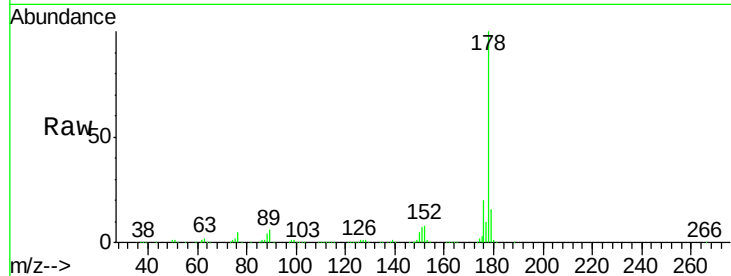
#71
 Anthracene
 Concen: 54.34 ng
 RT: 11.45 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	15.7	12.5	18.7

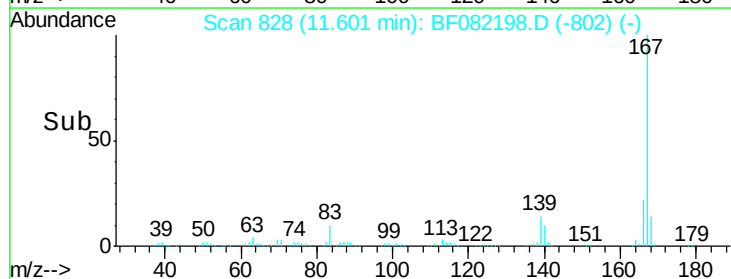
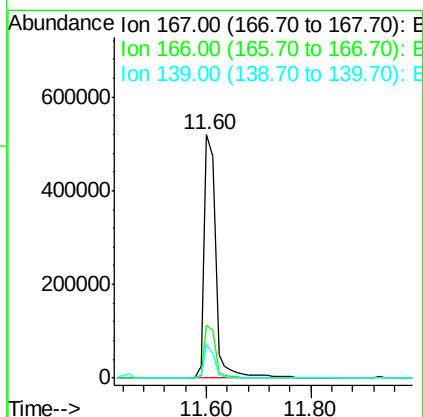
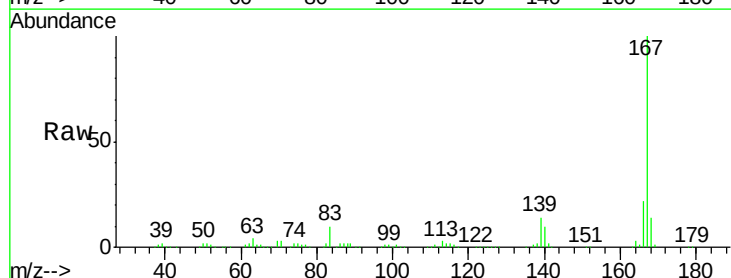
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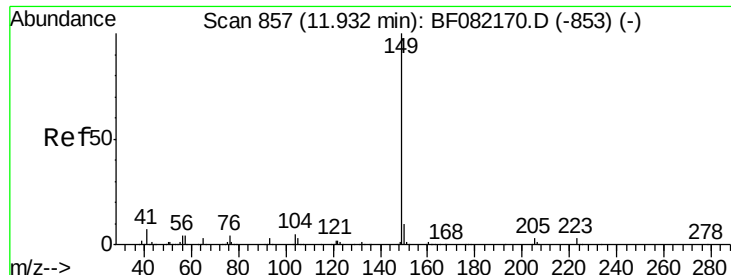
MMDadoda
 10/12/2015 2:38:01 PM



#72
 Carbazole
 Concen: 49.03 ng
 RT: 11.60 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	14.1	11.2	16.8





#73

Di-n-butylphthalate

Concen: 50.40 ng

RT: 11.93 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

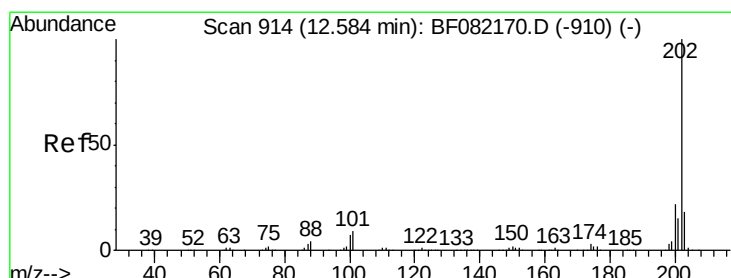
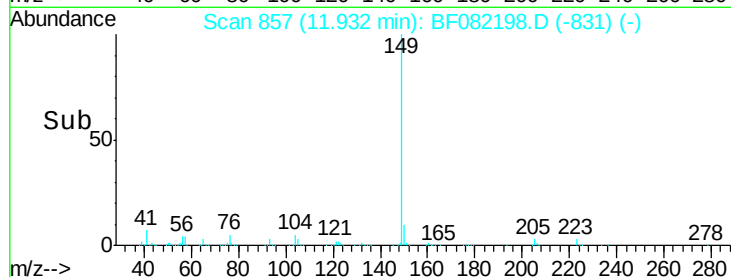
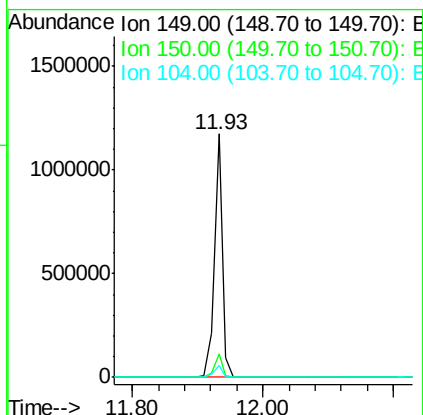
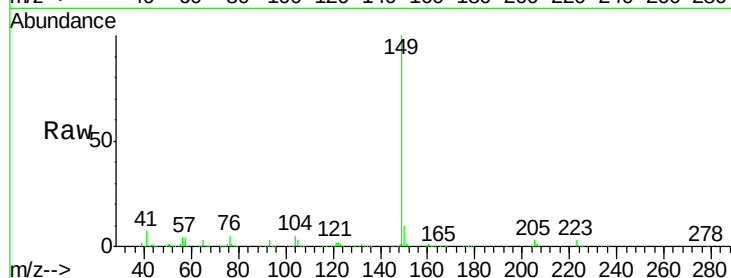
ClientSampleId :

IM-MLA-(1.5-02)MSD

Tgt Ion:	149	Resp:	1028144
Ion Ratio	Lower	Upper	
149	100		
150	9.9	7.8	11.6
104	5.0	3.8	5.8

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#74

Fluoranthene

Concen: 51.71 ng

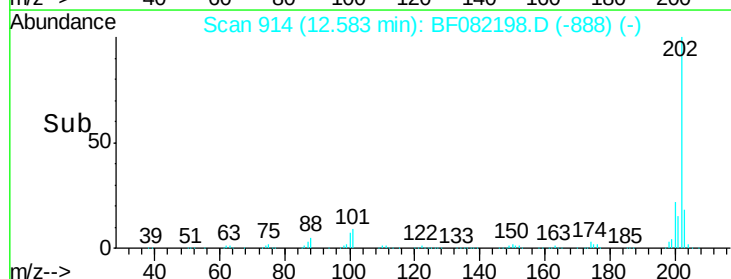
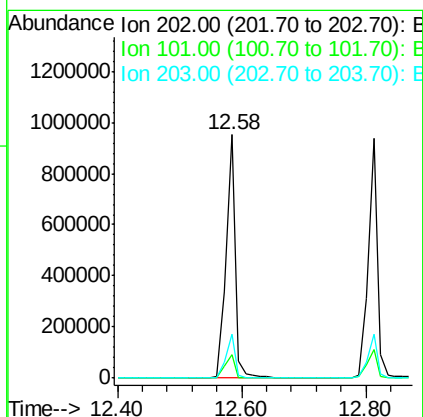
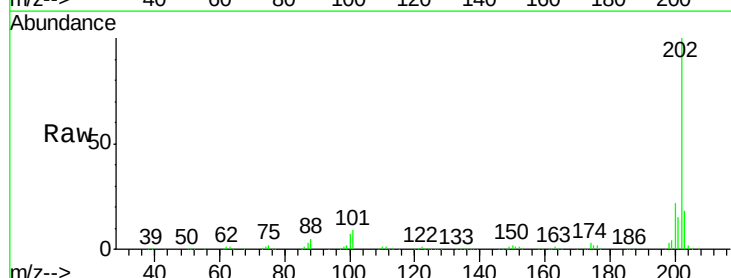
RT: 12.58 min Scan# 914

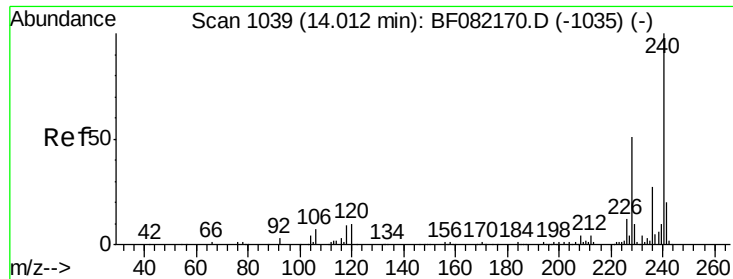
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion:	202	Resp:	977054
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	29.3
203	18.1	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

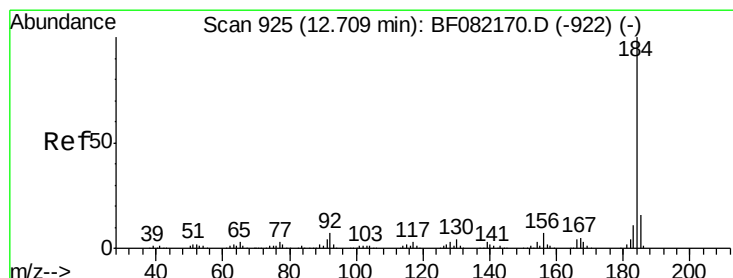
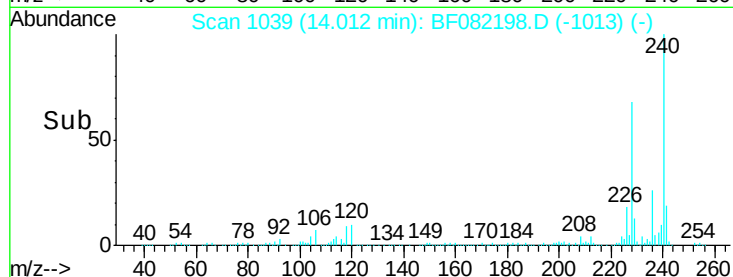
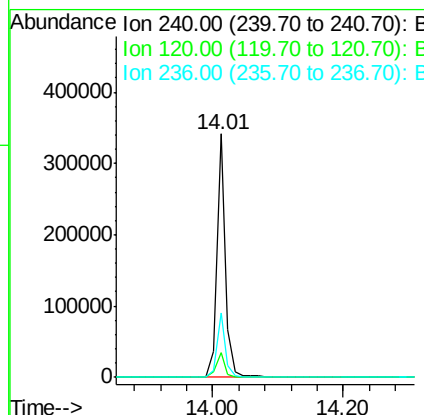
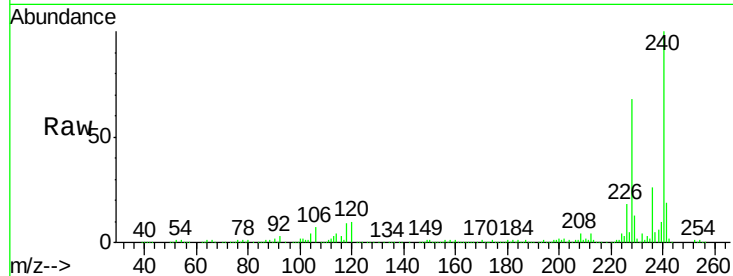
ClientSampleId :

IM-MLA-(1.5-02)MSD

Tgt Ion:	240	Resp:	320949
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.1	12.1
236	26.4	21.3	31.9

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#76

Benzidine

Concen: 19.54 ng

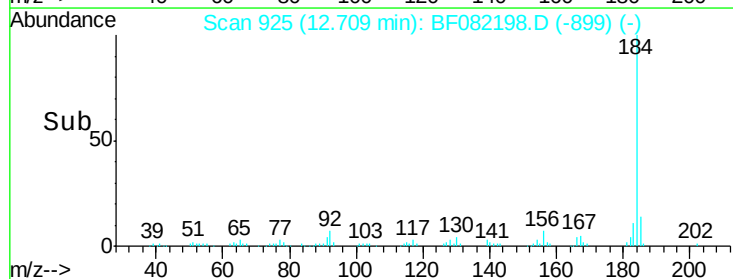
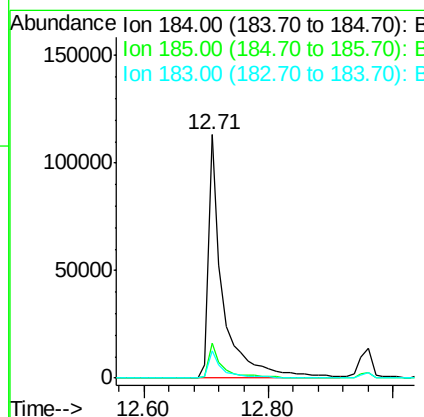
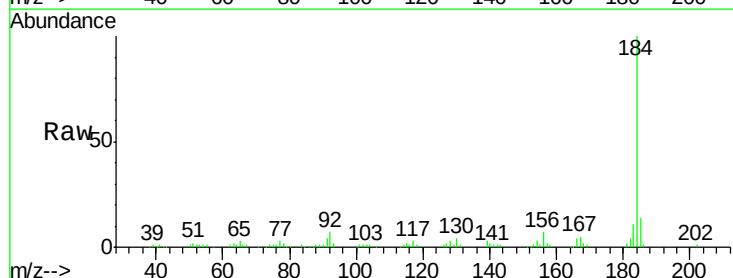
RT: 12.71 min Scan# 925

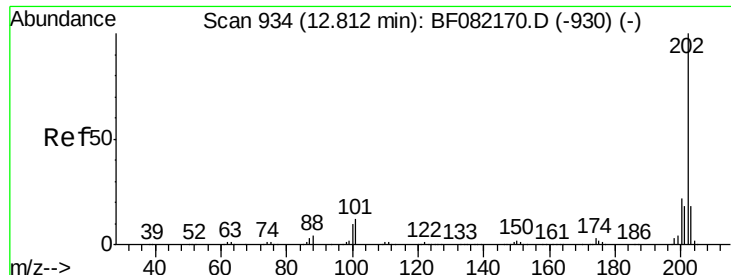
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion:	184	Resp:	181762
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.5	18.7
183	11.3	9.1	13.7





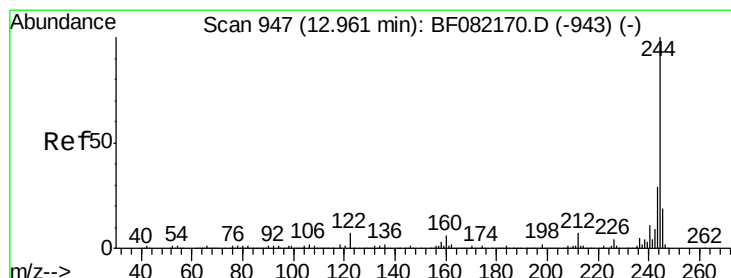
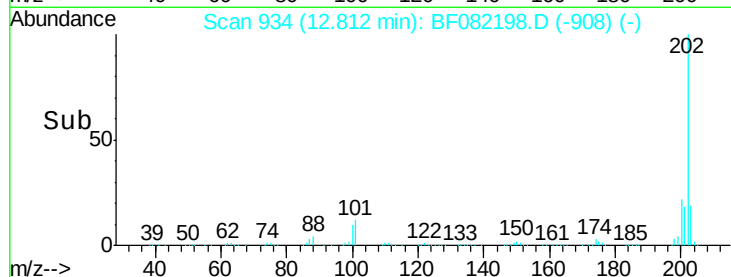
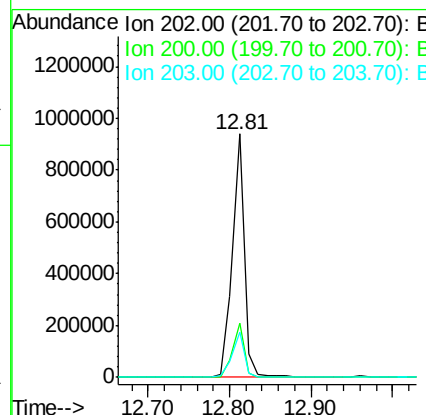
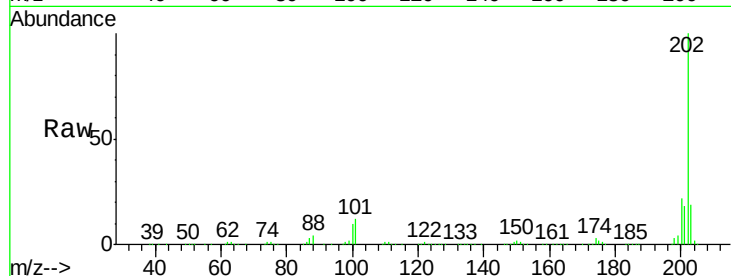
#77
Pyrene
 Concen: 49.79 ng
 RT: 12.81 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	948394		
200	22.4	17.9	26.9	
203	18.5	14.5	21.7	

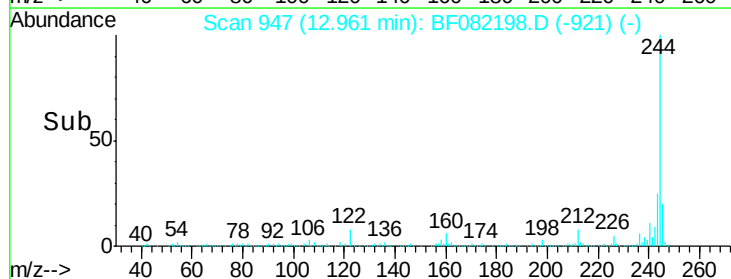
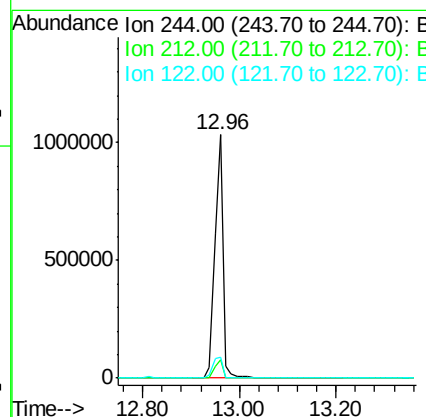
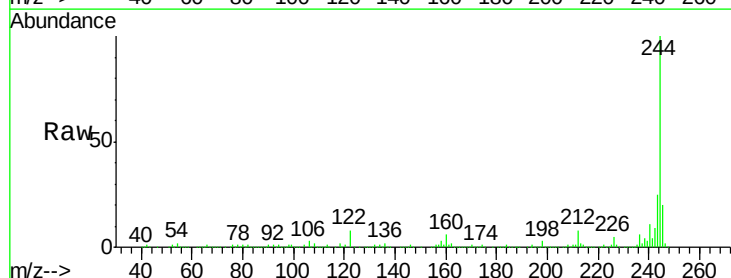
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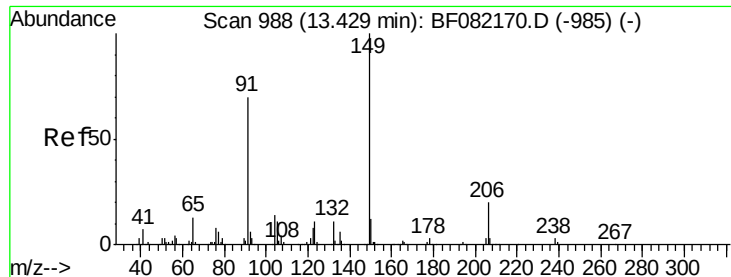
MMDadoda
 10/12/2015 2:38:01 PM



#78
Terphenyl-d14
 Concen: 102.86 ng
 RT: 12.96 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1245855		
212	7.6	5.8	8.6	
122	8.3	5.9	8.9	





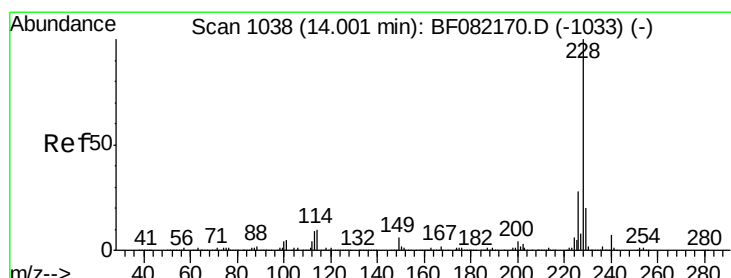
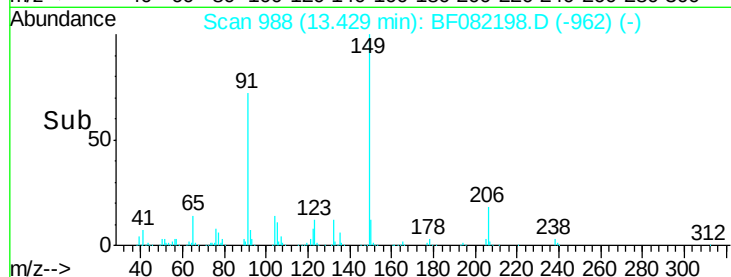
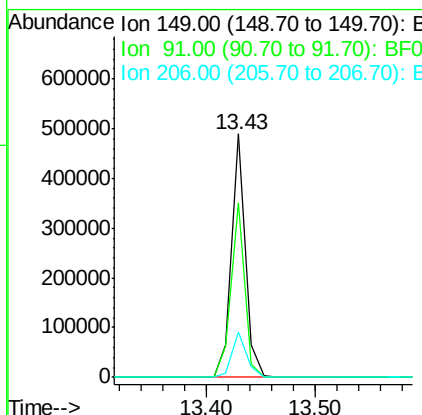
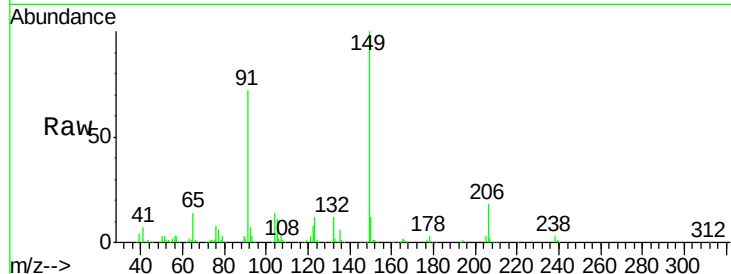
#79
Butylbenzylphthalate
Concen: 49.59 ng
RT: 13.43 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	431065		
91	71.9	55.7	83.5	
206	18.3	15.6	23.4	

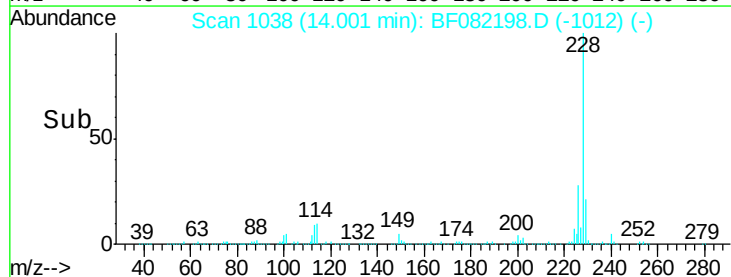
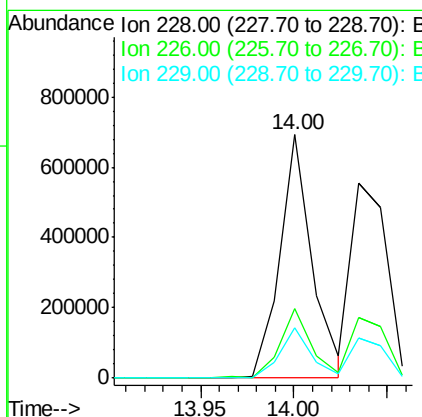
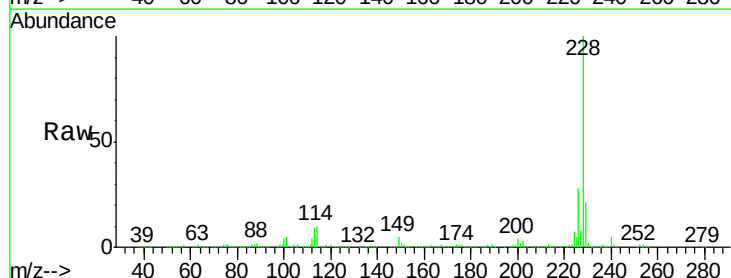
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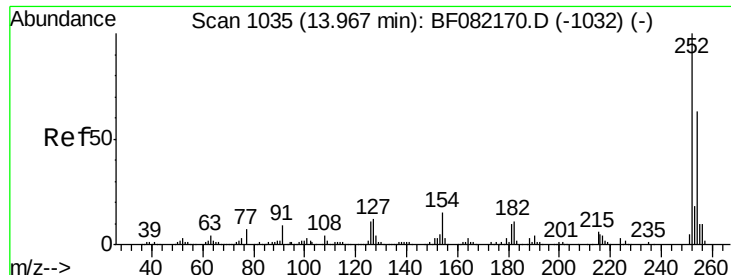
MMDadoda
10/12/2015 2:38:01 PM



#80
Benzo(a)anthracene
Concen: 49.87 ng
RT: 14.00 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	832766		
226	28.4	22.3	33.5	
229	20.5	16.2	24.2	





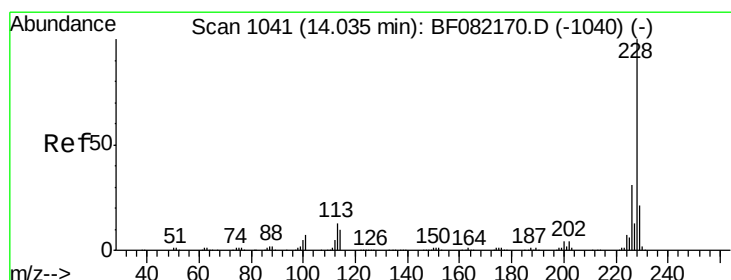
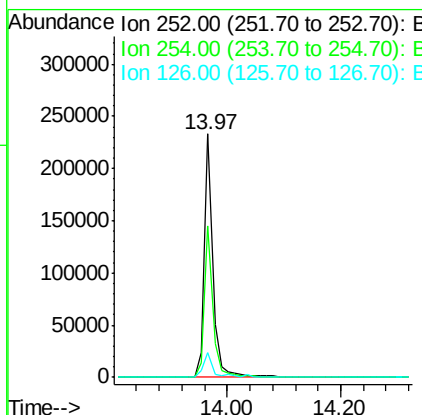
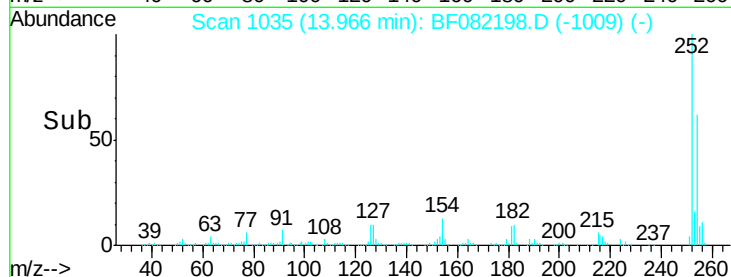
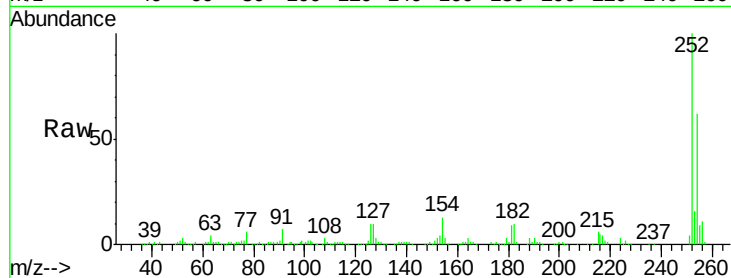
#81
 3,3'-Dichlorobenzidine
 Concen: 36.93 ng
 RT: 13.97 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	62.3	50.7	76.1
126	10.2	9.0	13.6

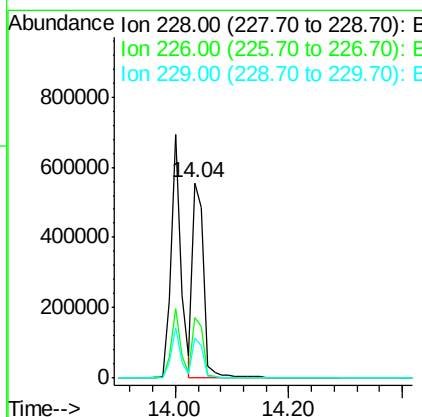
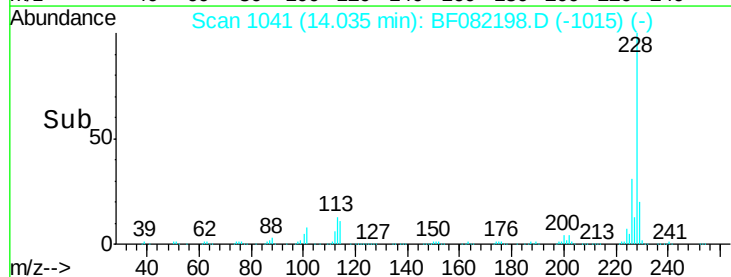
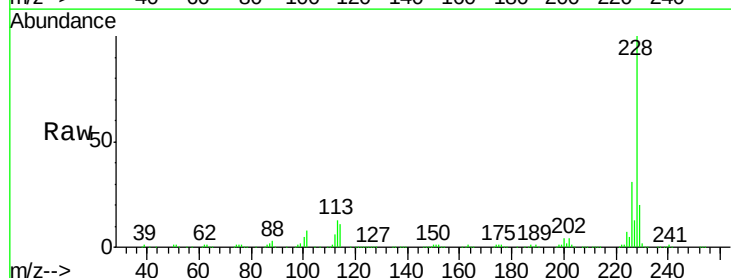
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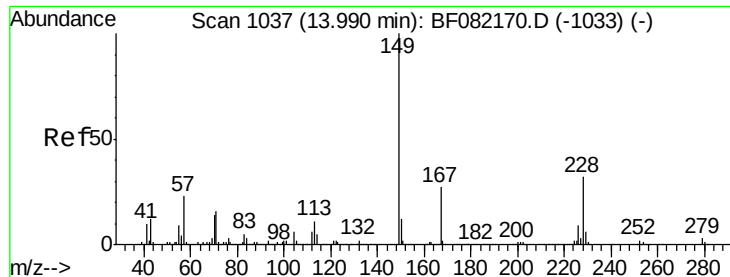
MMDadoda
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#82
 Chrysene
 Concen: 44.30 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.1	24.4	36.6
229	20.3	16.3	24.5





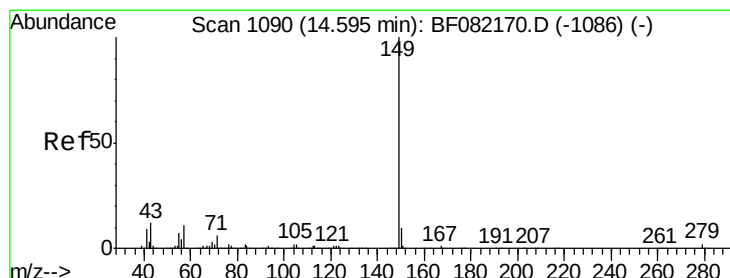
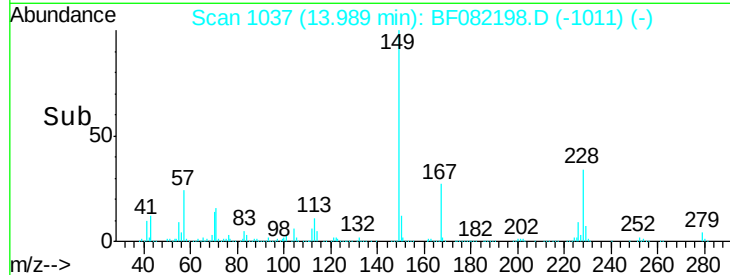
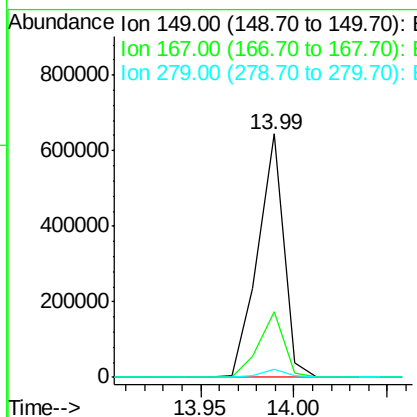
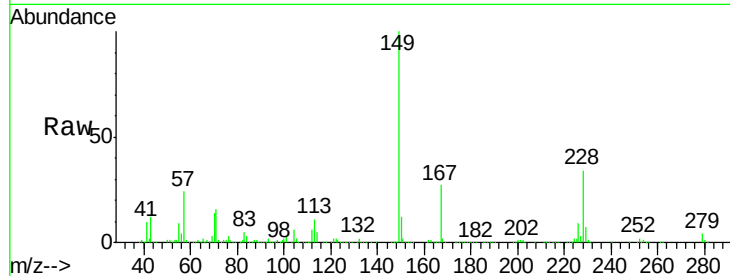
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.07 ng
 RT: 13.99 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	3.6	2.6	4.0

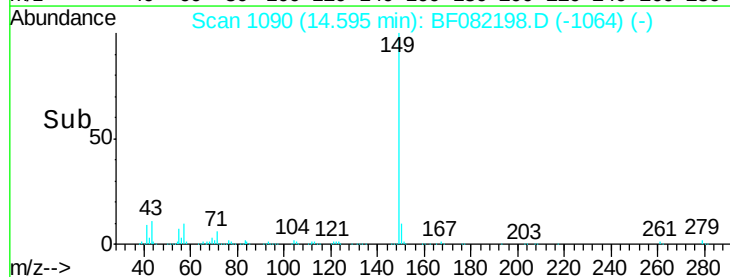
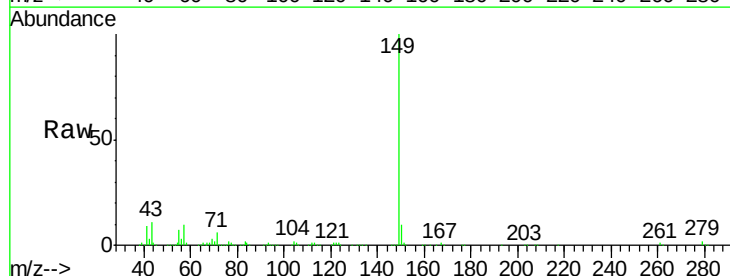
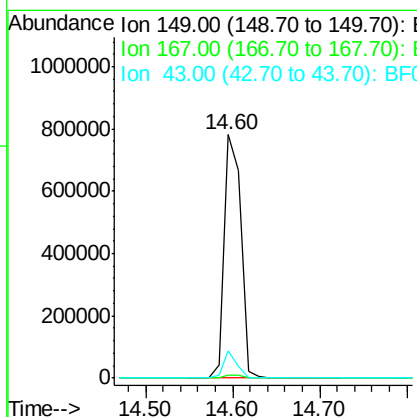
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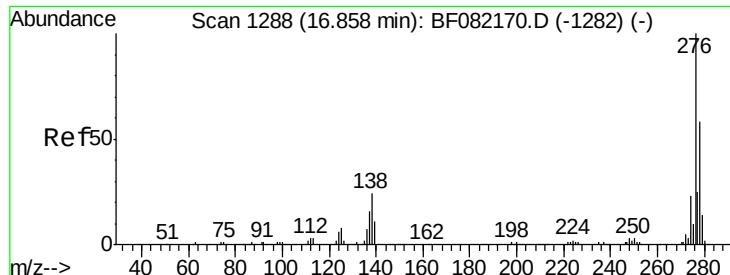
MMDadoda
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#84
 Di-n-octyl phthalate
 Concen: 49.11 ng
 RT: 14.60 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.2	7.4	11.2





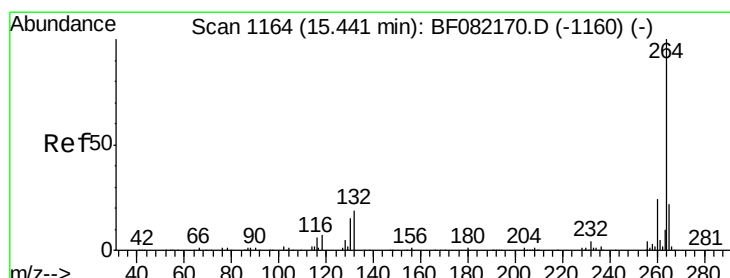
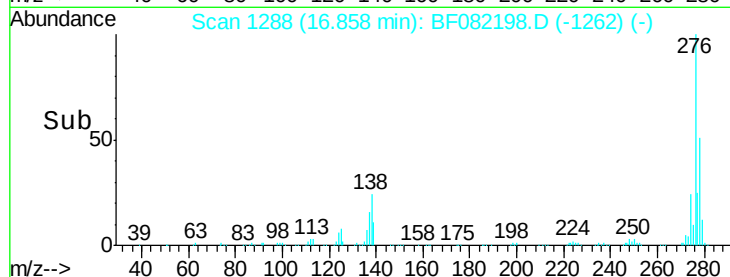
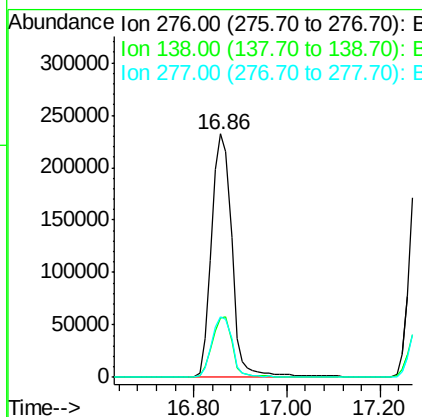
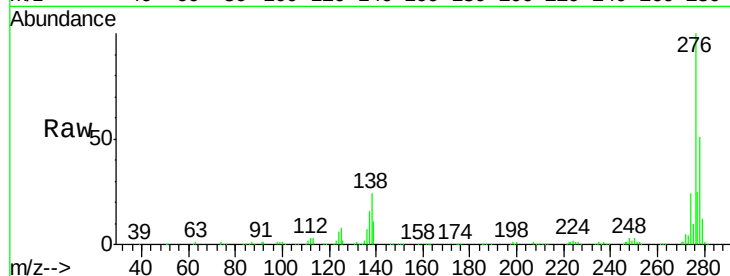
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.96 ng
 RT: 16.86 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.7	29.5
277	25.2	20.1	30.1

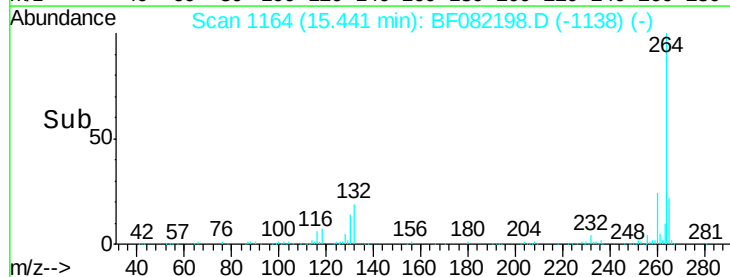
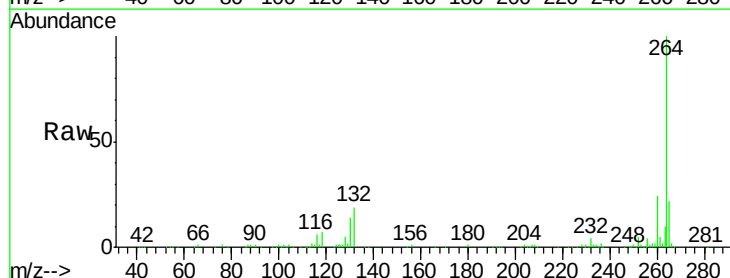
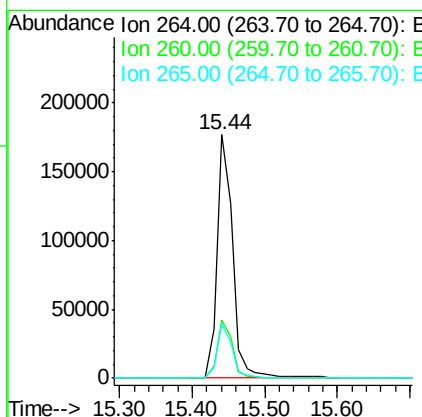
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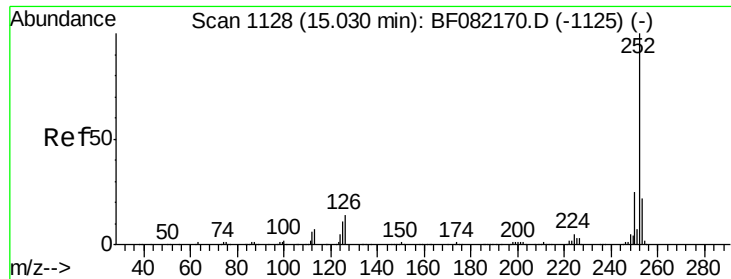
MMDadoda
 10/12/2015 2:38:01 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.1	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 54.45 ng m

RT: 15.03 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF082198.D

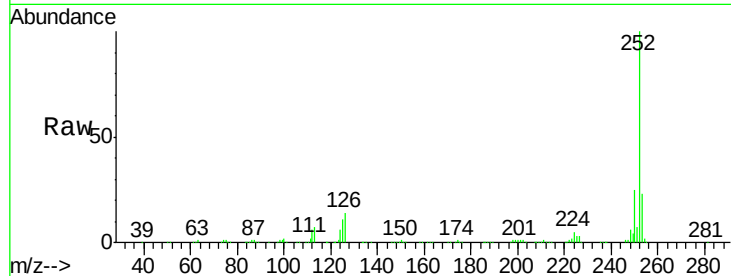
Acq: 11 Oct 2015 2:12

Instrument :

BNA_F

ClientSampleId :

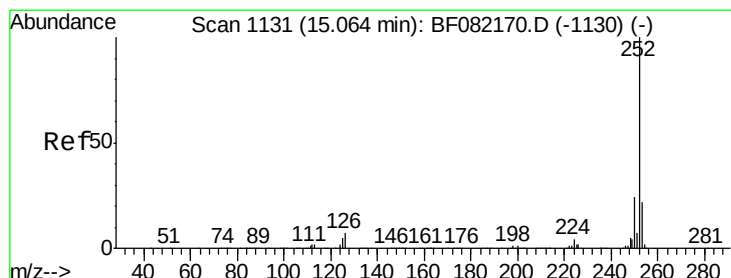
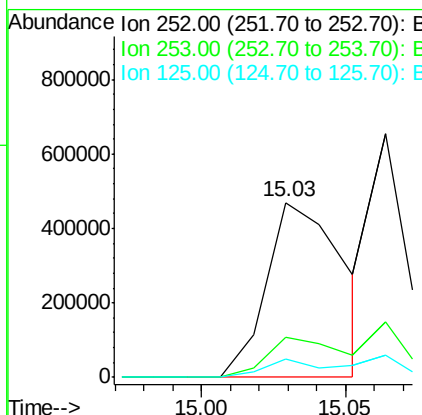
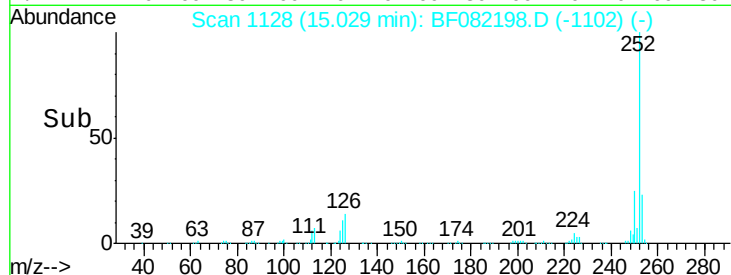
IM-MLA-(1.5-02)MSD



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.7	8.6	12.8

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#88

Benzo(k)fluoranthene

Concen: 45.17 ng m

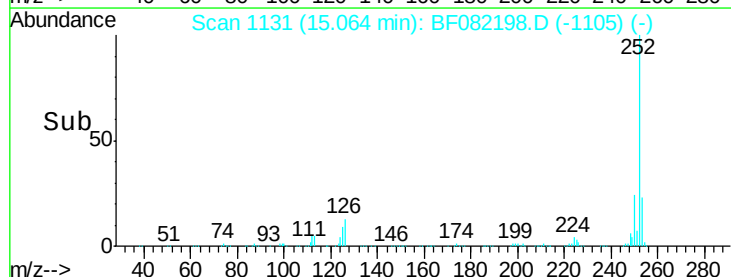
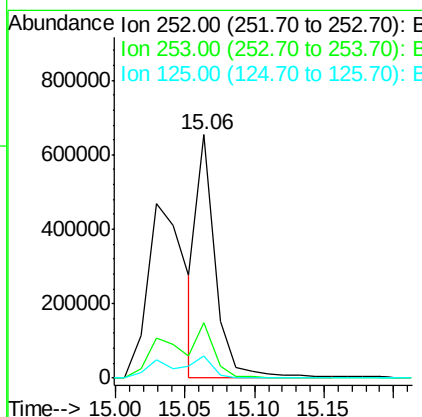
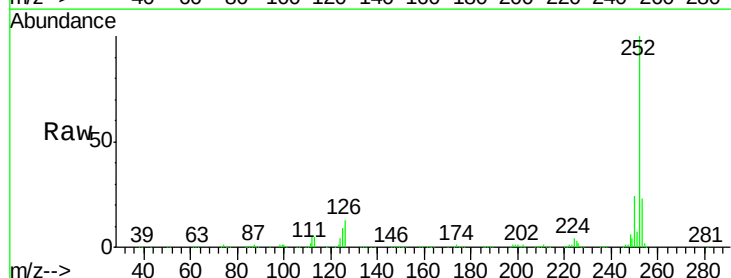
RT: 15.06 min Scan# 1131

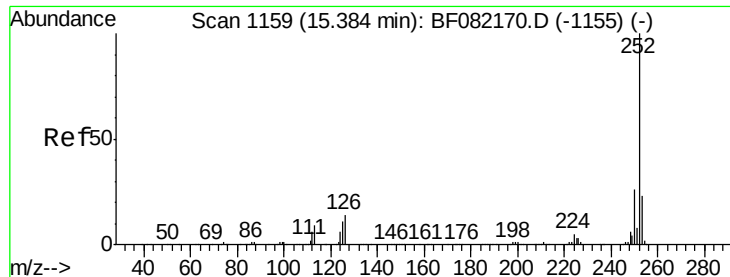
Delta R.T. 0.00 min

Lab File: BF082198.D

Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	8.9	6.7	10.1





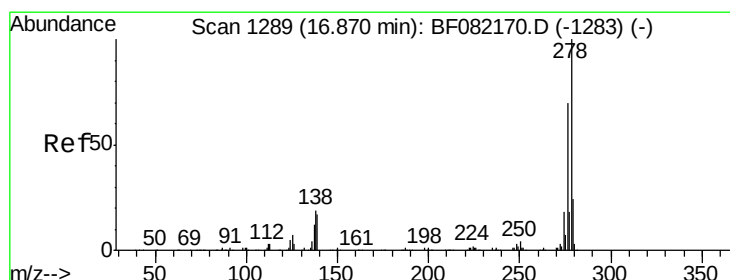
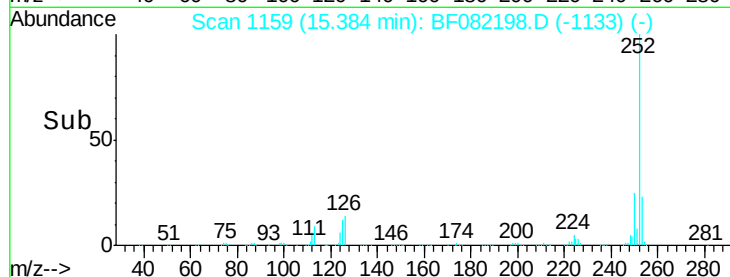
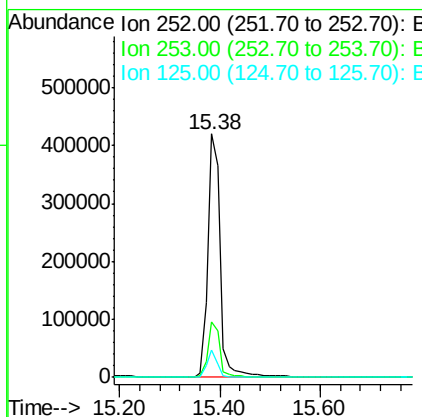
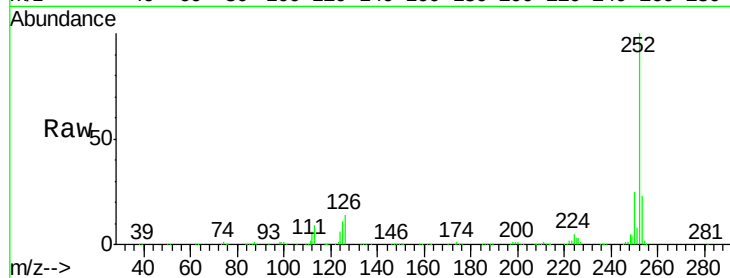
#89
Benzo(a)pyrene
Concen: 51.40 ng
RT: 15.38 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Instrument :
BNA_F
ClientSampleId :
IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.4	8.9	13.3

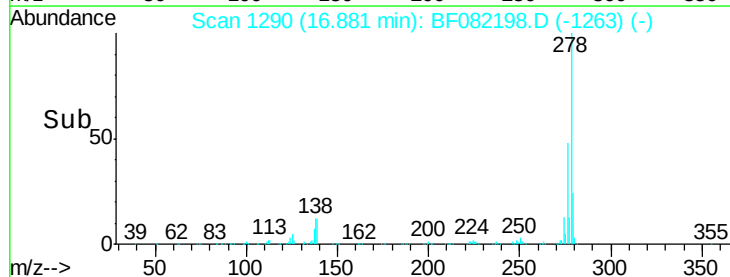
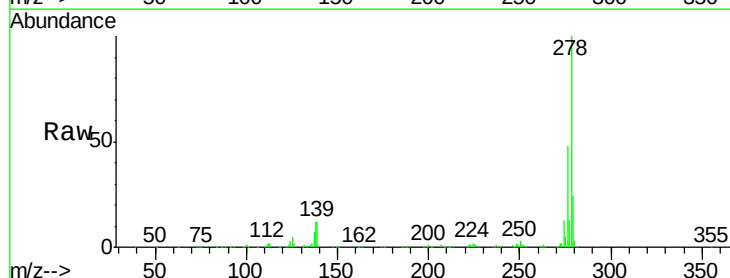
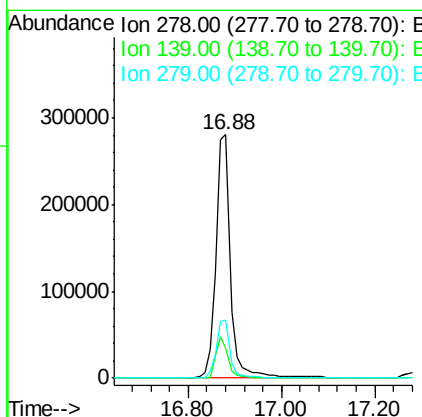
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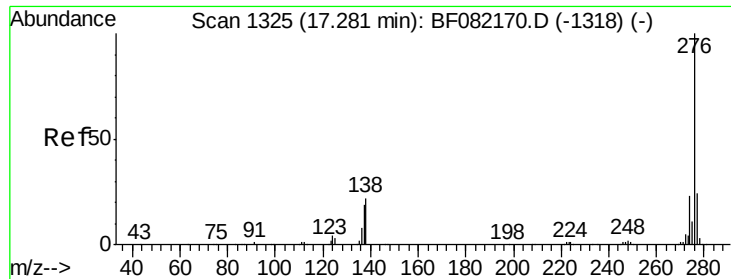
MMDadoda
10/12/2015 2:38:01 PM



#90
Dibenzo(a,h)anthracene
Concen: 53.39 ng
RT: 16.88 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BF082198.D
Acq: 11 Oct 2015 2:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.3	13.3	19.9#
279	23.8	18.9	28.3





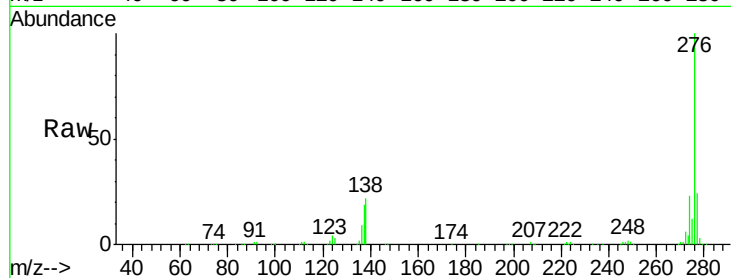
#91
 Benzo(g,h,i)perylene
 Concen: 54.08 ng
 RT: 17.28 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF082198.D
 Acq: 11 Oct 2015 2:12

Instrument :
 BNA_F
 ClientSampleId :
 IM-MLA-(1.5-02)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.8	18.8	28.2
138	21.8	17.4	26.2

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

