

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073015\
 Data File : BF080717.D
 Acq On : 31 Jul 2015 4:01
 Operator : TP/UM
 Sample : G3077-11MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Manual Integrations
 APPROVED

MMDadoda
 7/31/2015 11:22:48 AM

Quant Time: Jul 31 06:56:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	165661	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	625770	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	319457	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	575510	20.00	ng	0.00
75) Chrysene-d12	14.00	240	337777	20.00	ng	0.00
86) Perylene-d12	15.41	264	294587	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1294691	134.07	ng	0.03
7) Phenol-d6	6.49	99	1715311	130.47	ng	0.00
23) Nitrobenzene-d5	7.42	82	1322790	102.37	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	508754	153.48	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2092487	97.72	ng	0.00
78) Terphenyl-d14	12.96	244	1726223	96.66	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.70	88	194558	40.85	ng	# 80
3) Pyridine	3.38	79	393852	29.81	ng	98
4) n-Nitrosodimethylamine	3.31	42	344484	45.61	ng	100
6) Aniline	6.52	93	267466	14.13	ng	99
8) 2-Chlorophenol	6.65	128	484205	44.73	ng	83
9) Benzaldehyde	6.41	77	73478	7.35	ng	97
10) Phenol	6.50	94	476264	31.30	ng	79
11) bis(2-Chloroethyl)ether	6.60	93	581957	53.55	ng	87
12) 1,3-Dichlorobenzene	6.80	146	496748	41.22	ng	98
13) 1,4-Dichlorobenzene	6.88	146	530805	43.18	ng	99
14) 1,2-Dichlorobenzene	7.02	146	462702	41.18	ng	98
15) Benzyl Alcohol	7.00	79	537101	49.19	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.14	45	1083128	46.65	ng	99
17) 2-Methylphenol	7.10	107	422958	47.60	ng	99
18) Hexachloroethane	7.37	117	196532	42.84	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	410302	46.34	ng	98
20) 3+4-Methylphenols	7.26	107	494470	45.11	ng	98
22) Acetophenone	7.26	105	692695	45.86	ng	# 94
24) Nitrobenzene	7.44	77	545286	42.12	ng	98
25) Isophorone	7.68	82	1108107	48.22	ng	99
26) 2-Nitrophenol	7.76	139	268519m	51.10	ng	
27) 2,4-Dimethylphenol	7.79	122	442153m	44.79	ng	
28) bis(2-Chloroethoxy)methane	7.89	93	705807	51.84	ng	99
29) 2,4-Dichlorophenol	8.00	162	447623	51.01	ng	100
30) 1,2,4-Trichlorobenzene	8.08	180	427137	44.64	ng	98
31) Naphthalene	8.16	128	1353826	43.34	ng	100
32) Benzoic acid	7.92	122	329113m	47.54	ng	
33) 4-Chloroaniline	8.20	127	146720	11.13	ng	# 90
34) Hexachlorobutadiene	8.28	225	276171	44.70	ng	98
35) Caprolactam	8.58	113	118917m	45.25	ng	
36) 4-Chloro-3-methylphenol	8.69	107	503055	53.17	ng	92
37) 2-Methylnaphthalene	8.85	142	982864	50.13	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	403462	40.22	ng	99
40) Hexachlorocyclopentadiene	9.01	237	541489	87.73	ng	98

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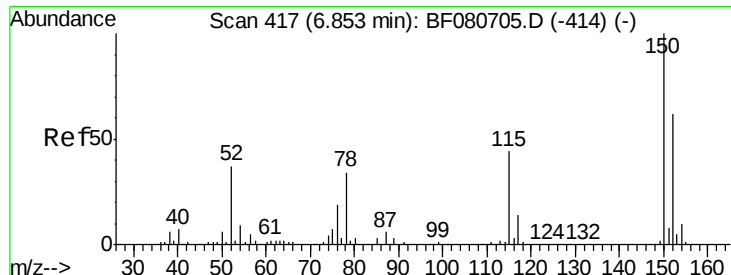
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	314471m	45.06	ng	
43) 2,4,5-Trichlorophenol	9.17	196	331658m	47.91	ng	
45) 1,1'-Biphenyl	9.32	154	1125310	45.94	ng	100
46) 2-Chloronaphthalene	9.34	162	895485	44.76	ng	100
47) 2-Nitroaniline	9.44	65	396851	50.98	ng	89
48) Acenaphthylene	9.76	152	1493032	46.93	ng	99
49) Dimethylphthalate	9.62	163	973765	43.26	ng	100
50) 2,6-Dinitrotoluene	9.68	165	219044	45.85	ng	91
51) Acenaphthene	9.93	154	1058506	54.54	ng	99
52) 3-Nitroaniline	9.84	138	127956	23.21	ng	# 47
53) 2,4-Dinitrophenol	9.95	184	281895	110.78	ng	# 76
54) Dibenzofuran	10.10	168	1255453	48.36	ng	98
55) 4-Nitrophenol	10.01	139	384685	94.71	ng	98
56) 2,4-Dinitrotoluene	10.08	165	268299	42.82	ng	# 83
57) Fluorene	10.44	166	996482	49.46	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.21	232	264874	50.74	ng	95
59) Diethylphthalate	10.32	149	1010464	46.57	ng	99
60) 4-Chlorophenyl-phenylether	10.43	204	422545	48.62	ng	98
61) 4-Nitroaniline	10.45	138	206332	41.45	ng	95
62) Azobenzene	10.59	77	1204335	51.23	ng	99
64) 4,6-Dinitro-2-methylphenol	10.49	198	180679	52.13	ng	# 42
65) n-Nitrosodiphenylamine	10.56	169	905646	48.00	ng	99
66) 4-Bromophenyl-phenylether	10.92	248	305155	51.37	ng	99
67) Hexachlorobenzene	10.98	284	328166	47.77	ng	97
68) Atrazine	11.08	200	304982	Below	Cal	98
69) Pentachlorophenol	11.17	266	362917	87.31	ng	98
70) Phenanthrene	11.40	178	1386930	47.83	ng	98
71) Anthracene	11.45	178	1349864	47.38	ng	100
72) Carbazole	11.60	167	1118447	45.23	ng	99
73) Di-n-butylphthalate	11.94	149	1621036	52.87	ng	99
74) Fluoranthene	12.58	202	1331872	47.51	ng	99
76) Benzidine	12.69	184	37251	3.03	ng	# 95
77) Pyrene	12.81	202	1405431	53.65	ng	99
79) Butylbenzylphthalate	13.42	149	558243	51.13	ng	98
80) Benzo(a)anthracene	13.99	228	961254	47.32	ng	99
81) 3,3'-Dichlorobenzidine	13.95	252	189590	27.34	ng	98
82) Chrysene	14.03	228	1012047	51.32	ng	100
83) Bis(2-ethylhexyl)phthalate	14.00	149	747203	57.29	ng	99
84) Di-n-octyl phthalate	14.60	149	1154262	52.78	ng	99
85) Indeno(1,2,3-cd)pyrene	16.80	276	817719	45.93	ng	# 87
87) Benzo(b)fluoranthene	15.01	252	856559m	48.68	ng	
88) Benzo(k)fluoranthene	15.04	252	726479m	50.17	ng	
89) Benzo(a)pyrene	15.36	252	720555	49.88	ng	99
90) Dibenzo(a,h)anthracene	16.82	278	690276	53.38	ng	98
91) Benzo(g,h,i)perylene	17.21	276	725795	57.03	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

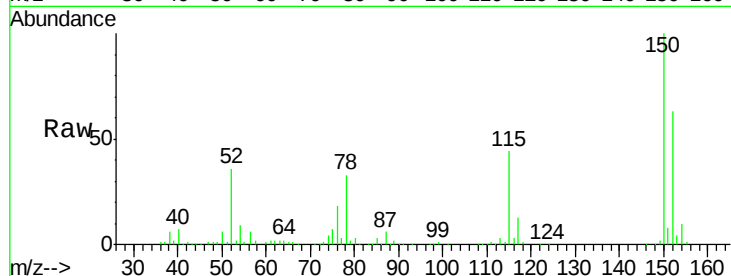
ClientSampleId :

GRID-5-(6-12)MS

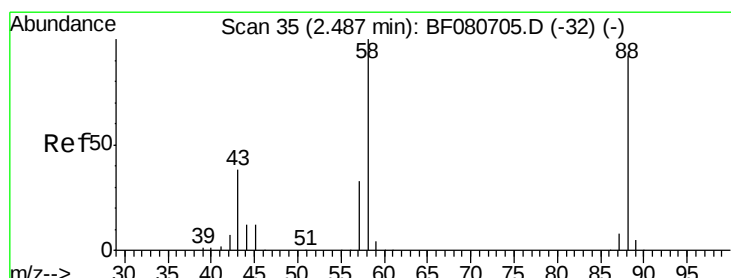
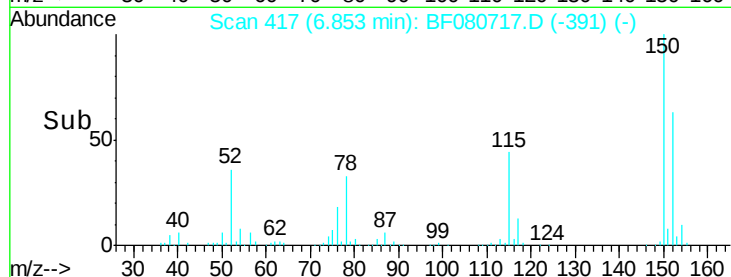
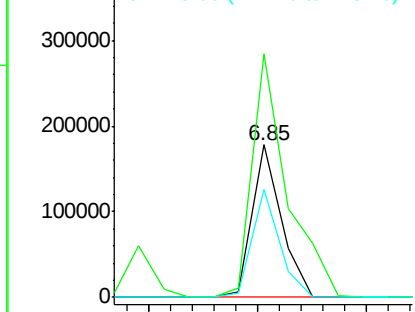
Tgt Ion:	152	Resp:	165661
Ion Ratio	Lower	Upper	
152	100		
150	159.7	129.6	194.4
115	71.0	56.6	85.0

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



#2

1,4-Dioxane

Concen: 40.85 ng

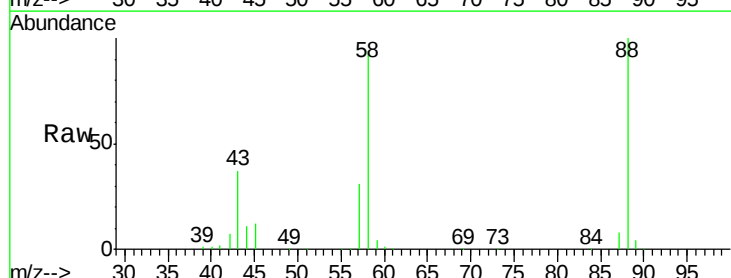
RT: 2.70 min Scan# 54

Delta R.T. 0.22 min

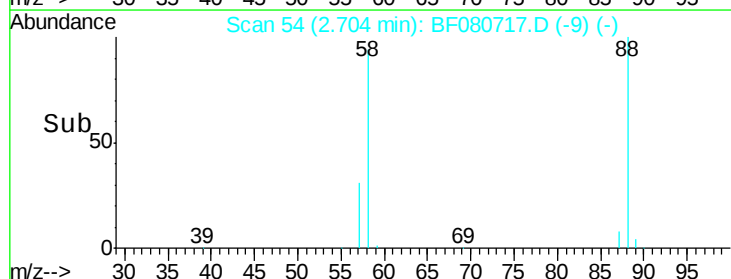
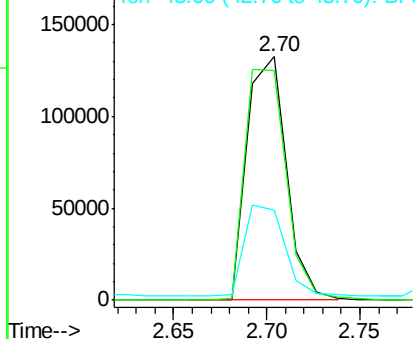
Lab File: BF080717.D

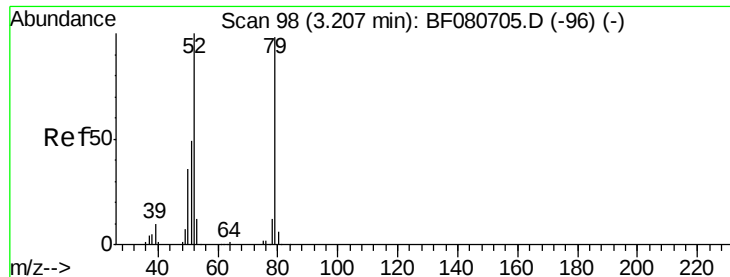
Acq: 31 Jul 2015 4:01

Tgt Ion:	88	Resp:	194558
Ion Ratio	Lower	Upper	
88	100		
58	99.4	82.3	123.5
43	0.0	31.7	47.5#



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





#3

Pyridine

Concen: 29.81 ng

RT: 3.38 min Scan# 113

Delta R.T. 0.17 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

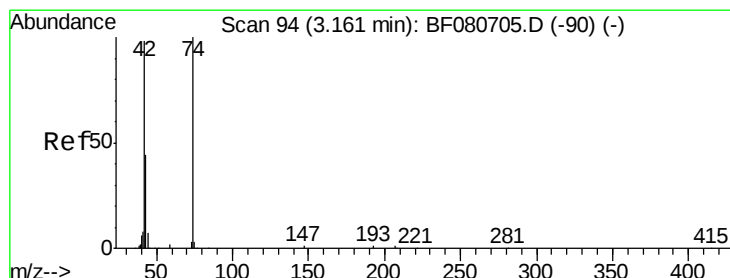
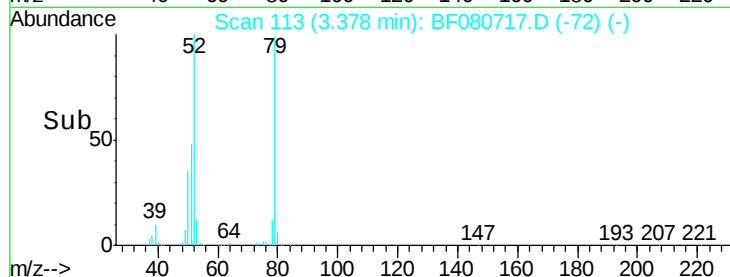
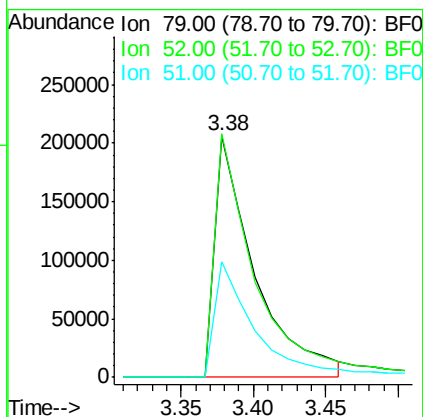
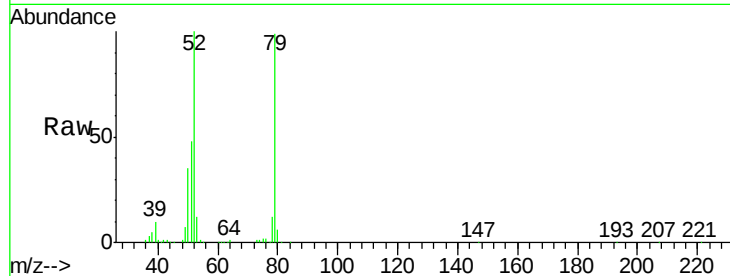
GRID-5-(6-12)MS

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Tgt Ion:	79	Resp:	393852
Ion Ratio	Lower	Upper	
79	100		
52	100.9	81.6	122.4
51	48.0	40.2	60.2



#4

n-Nitrosodimethylamine

Concen: 45.61 ng

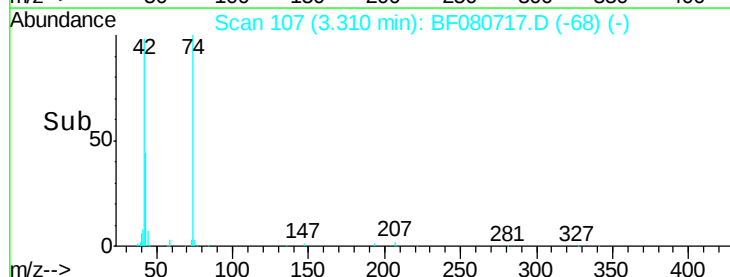
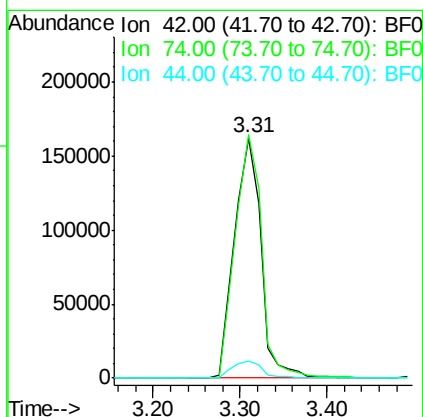
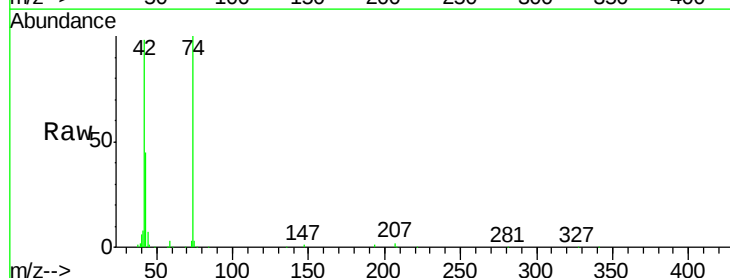
RT: 3.31 min Scan# 107

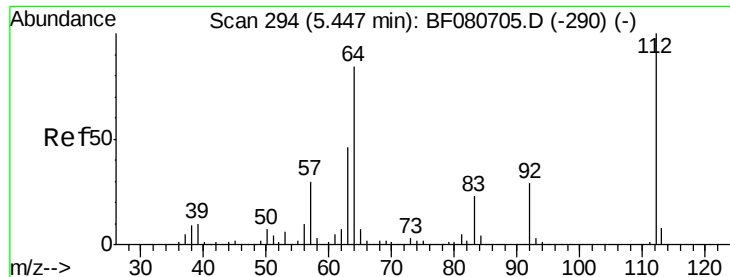
Delta R.T. 0.15 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Tgt Ion:	42	Resp:	344484
Ion Ratio	Lower	Upper	
42	100		
74	101.5	81.5	122.3
44	7.1	5.6	8.4





#5

2-Fluorophenol

Concen: 134.07 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.03 min

Lab File: BF080717.D

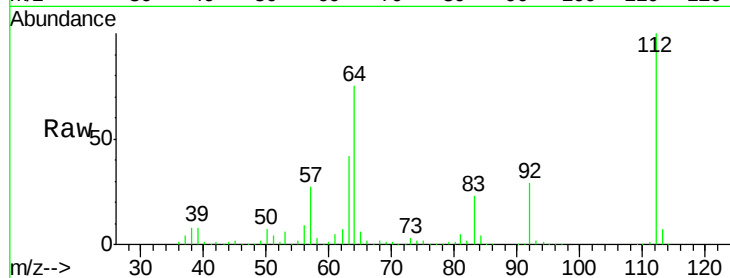
Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

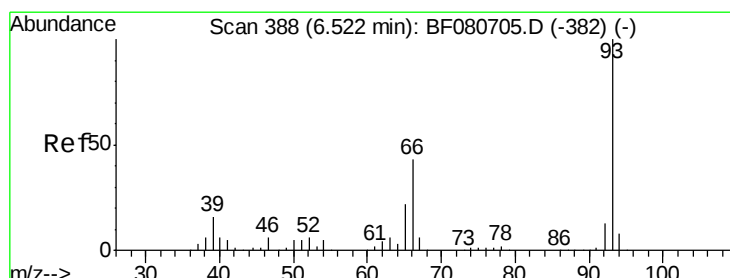
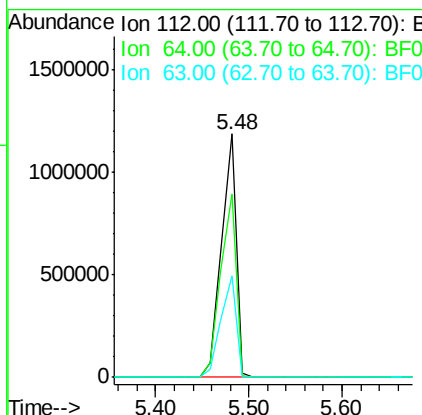
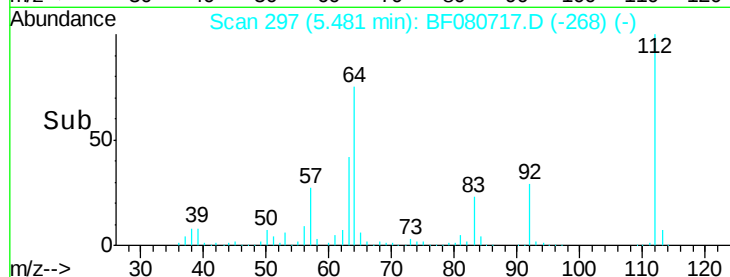
GRID-5-(6-12)MS



Tgt Ion:	112	Resp:	1294691
Ion	Ratio	Lower	Upper
112	100		
64	75.2	66.8	100.2
63	41.9	36.7	55.1

Manual Integrations
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#6

Aniline

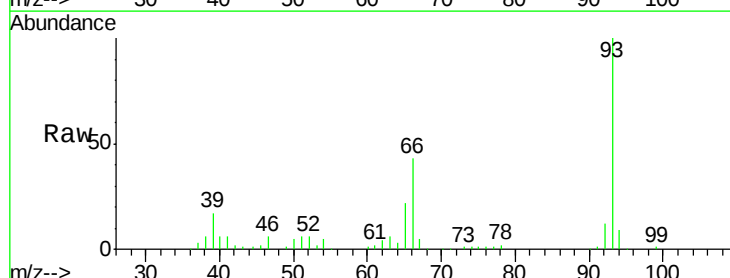
Concen: 14.13 ng

RT: 6.52 min Scan# 388

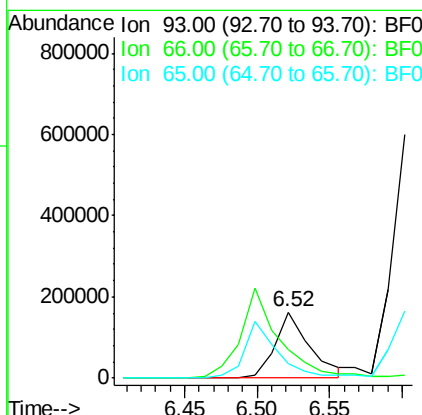
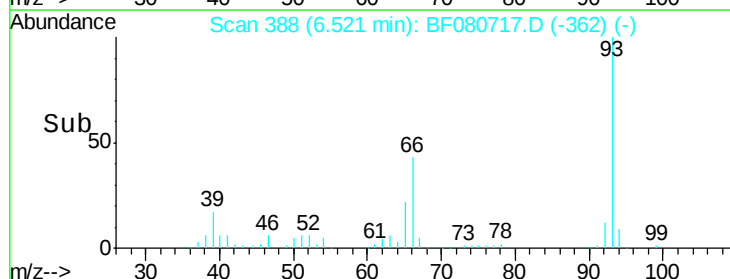
Delta R.T. -0.00 min

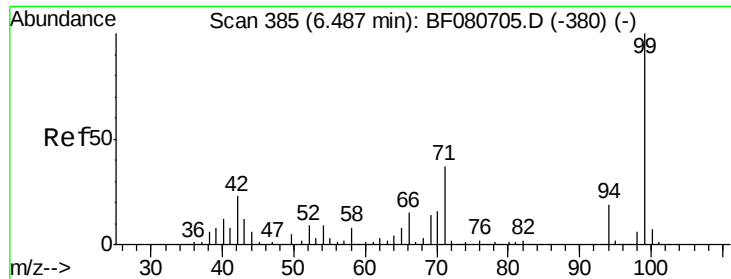
Lab File: BF080717.D

Acq: 31 Jul 2015 4:01



Tgt Ion:	93	Resp:	267466
Ion	Ratio	Lower	Upper
93	100		
66	42.6	34.3	51.5
65	21.6	17.6	26.4





#7

Phenol-d6

Concen: 130.47 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MS

Tgt Ion: 99 Resp: 1715311

Ion Ratio Lower Upper

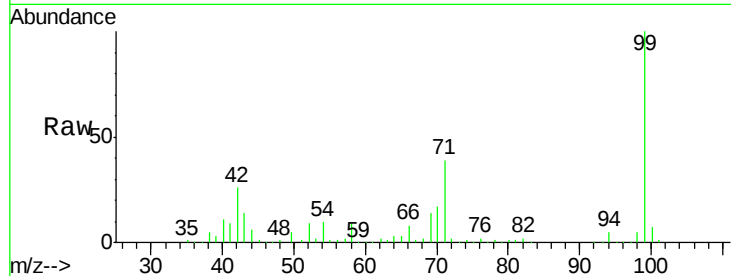
99 100

42 26.0 18.2 27.2

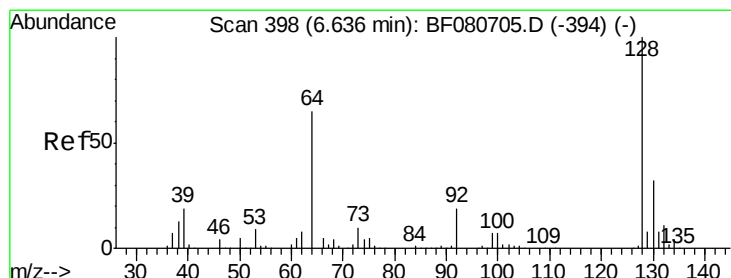
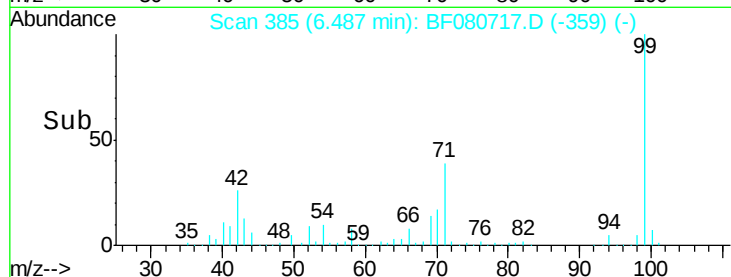
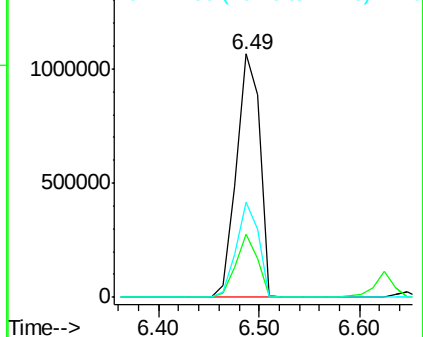
71 39.2 29.5 44.3

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



#8

2-Chlorophenol

Concen: 44.73 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

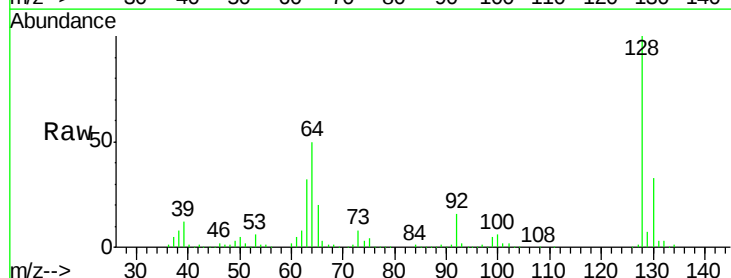
Tgt Ion: 128 Resp: 484205

Ion Ratio Lower Upper

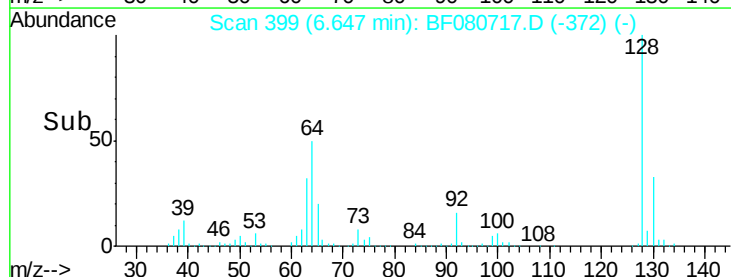
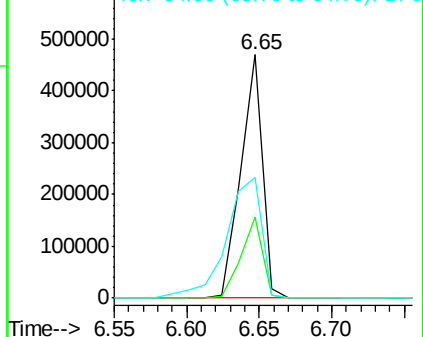
128 100

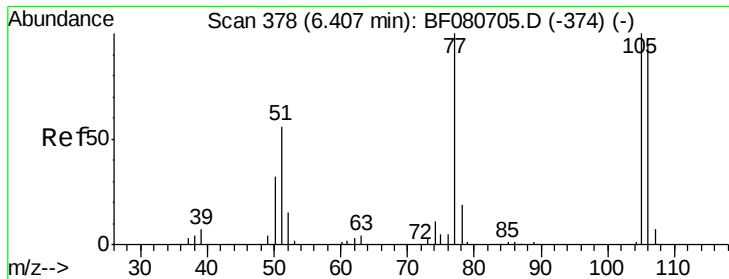
130 33.3 11.7 51.7

64 49.6 48.7 88.7



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





#9

Benzaldehyde

Concen: 7.35 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF080717.D

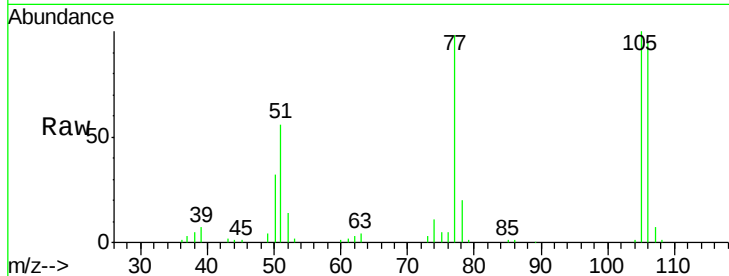
Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

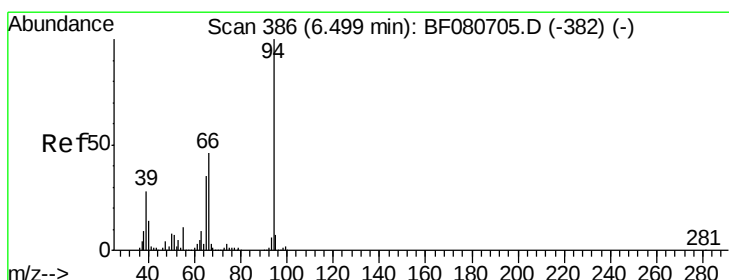
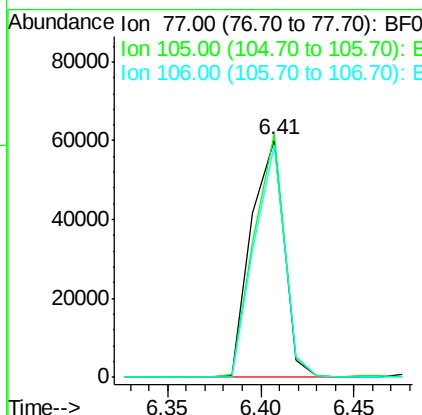
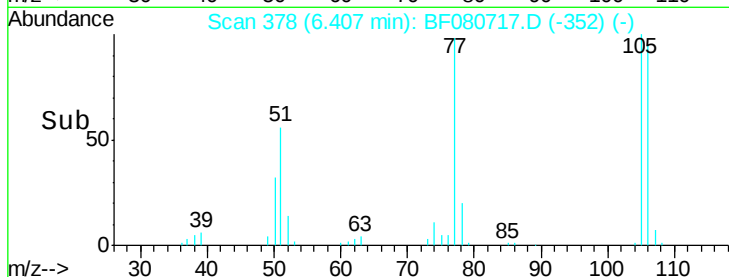
GRID-5-(6-12)MS



Tgt Ion:	77	Resp:	73478
Ion Ratio	Lower	Upper	
77	100		
105	102.5	80.2	120.2
106	97.8	74.2	114.2

Manual Integrations
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#10

Phenol

Concen: 31.30 ng

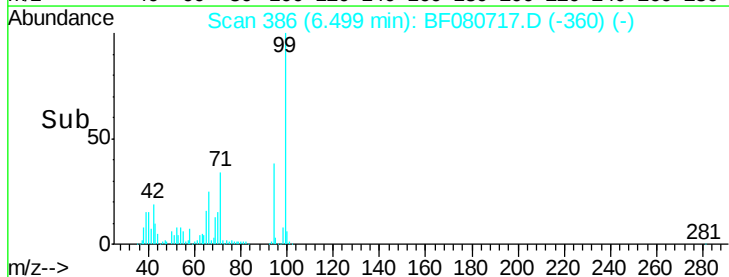
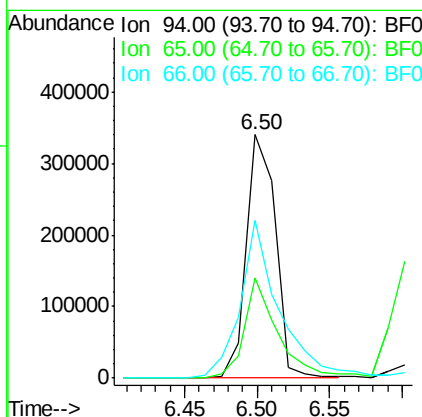
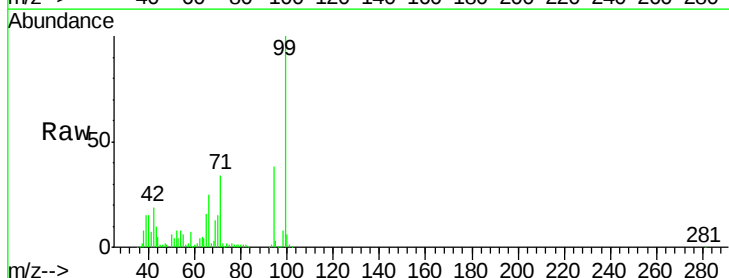
RT: 6.50 min Scan# 386

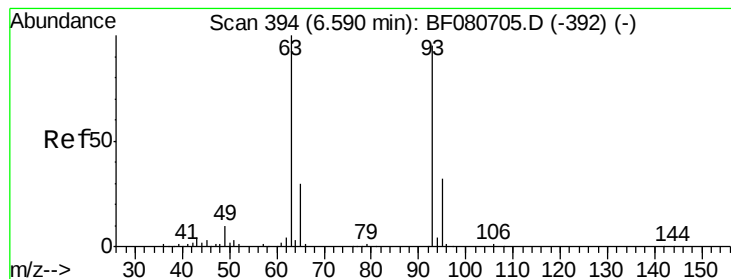
Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Tgt Ion:	94	Resp:	476264
Ion Ratio	Lower	Upper	
94	100		
65	41.3	14.7	54.7
66	65.0	25.9	65.9





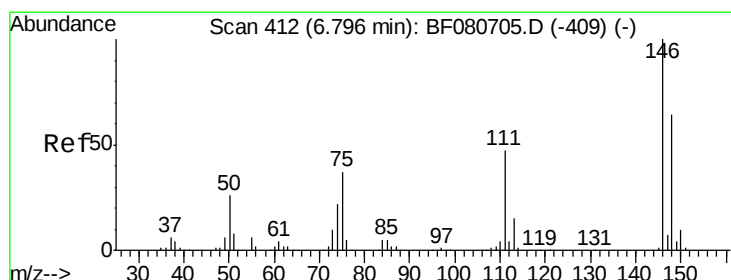
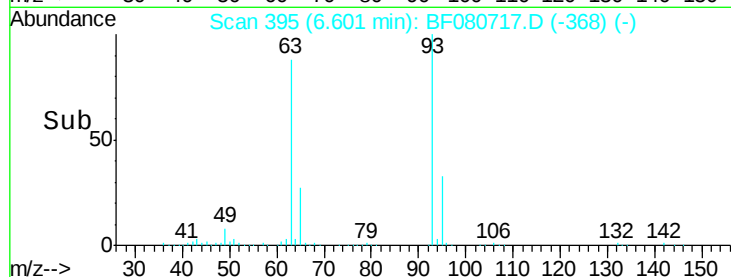
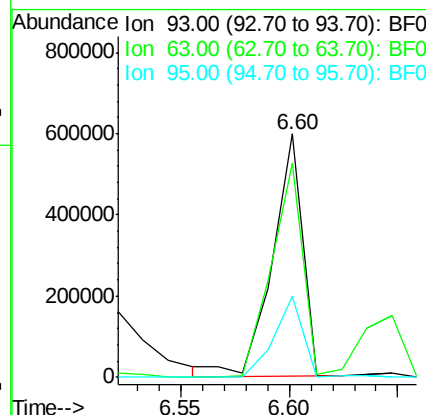
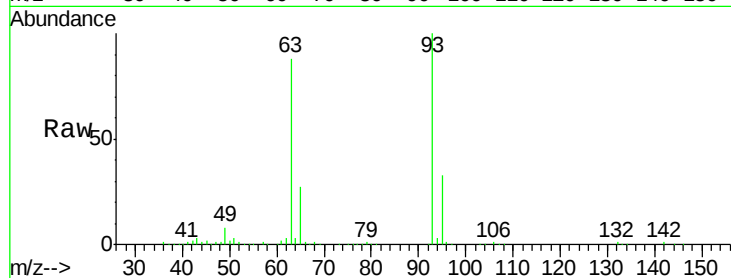
#11
bis(2-Chloroethyl)ether
Concen: 53.55 ng
RT: 6.60 min Scan# 395
Delta R.T. 0.01 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	581957		
63	87.8	85.3	125.3	
95	33.1	13.3	53.3	

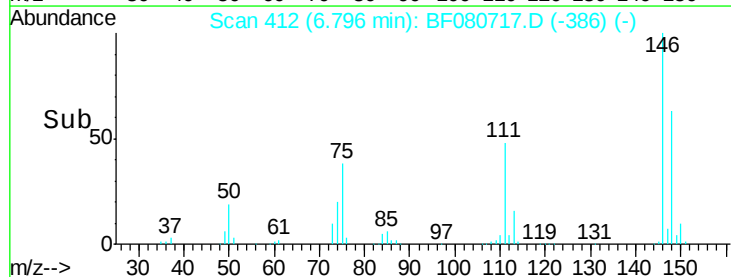
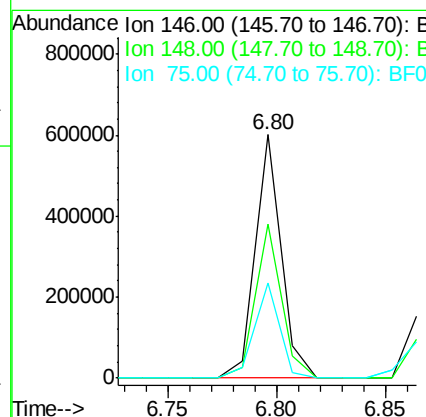
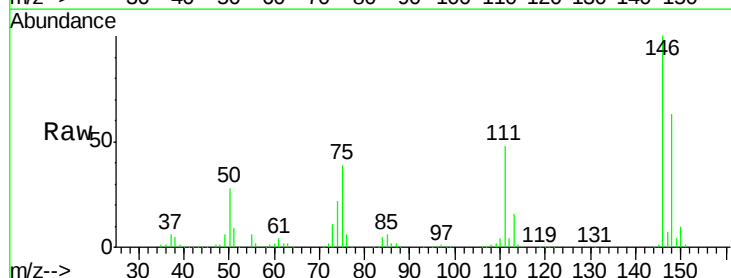
Manual Integrations
APPROVED

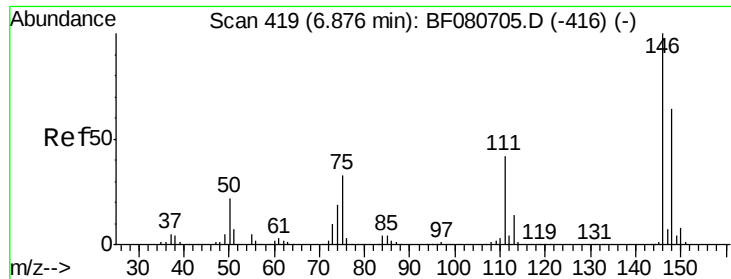
MMDadoda
7/31/2015 11:22:48 AM



#12
1,3-Dichlorobenzene
Concen: 41.22 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	496748		
148	63.2	51.0	76.6	
75	39.2	29.4	44.0	





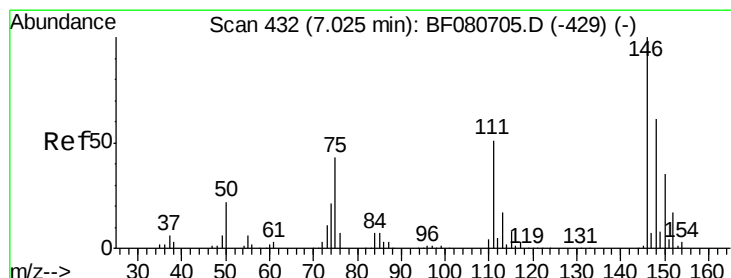
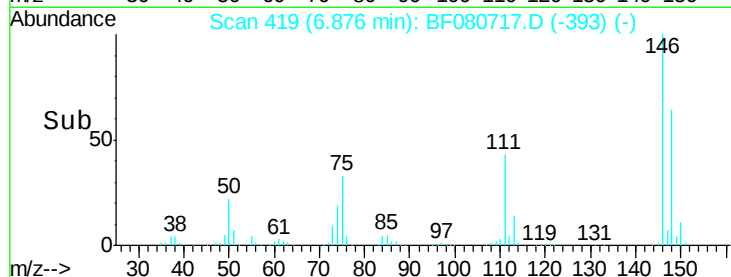
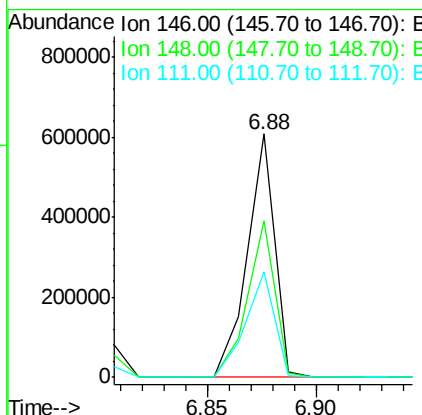
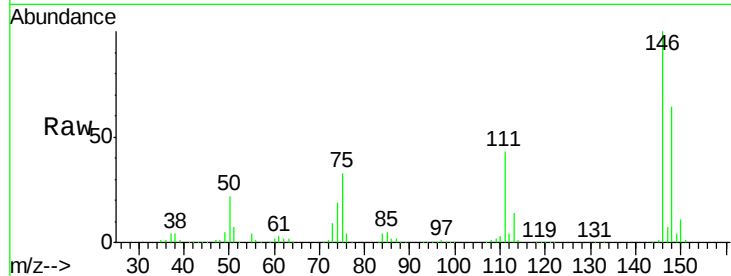
#13
 1,4-Dichlorobenzene
 Concen: 43.18 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	43.1	33.8	50.6

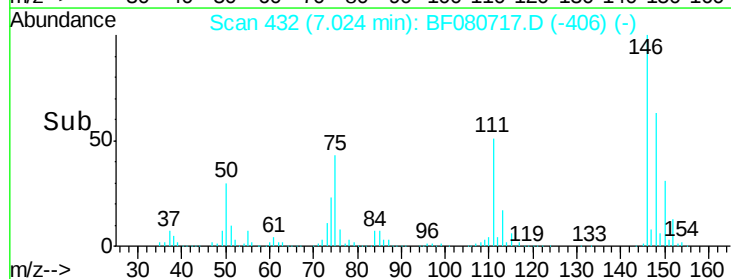
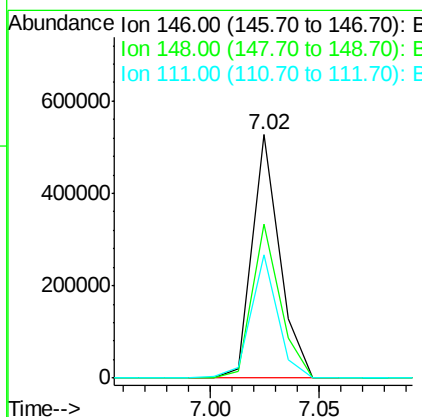
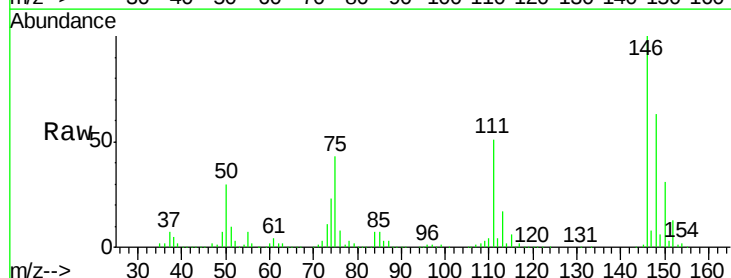
Manual Integrations
 APPROVED

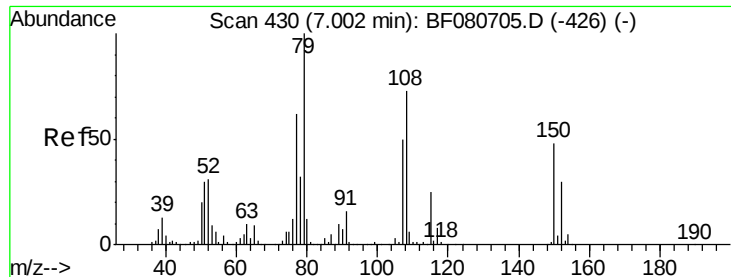
MMDadoda
 7/31/2015 11:22:48 AM



#14
 1,2-Dichlorobenzene
 Concen: 41.18 ng
 RT: 7.02 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	49.2	73.8
111	50.7	41.0	61.4





#15

Benzyl Alcohol

Concen: 49.19 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MS

Tgt Ion: 79 Resp: 537101

Ion Ratio Lower Upper

79 100

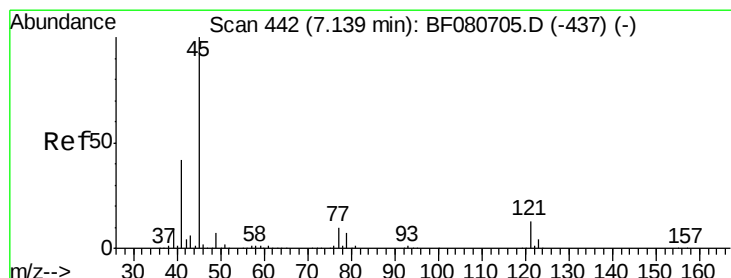
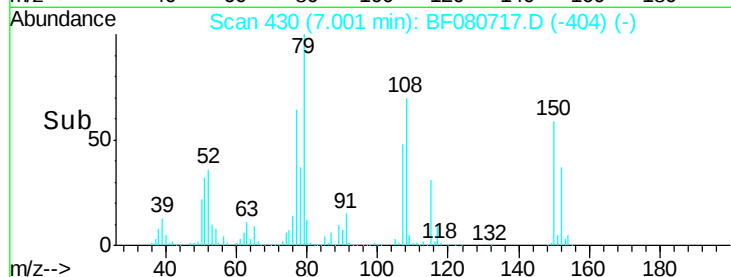
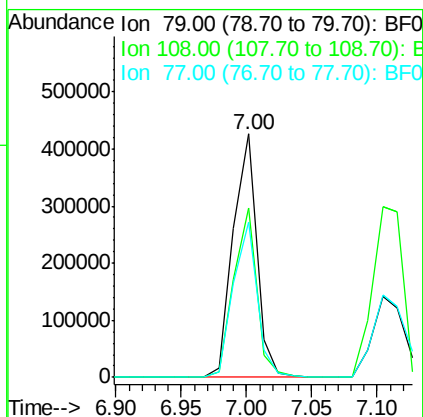
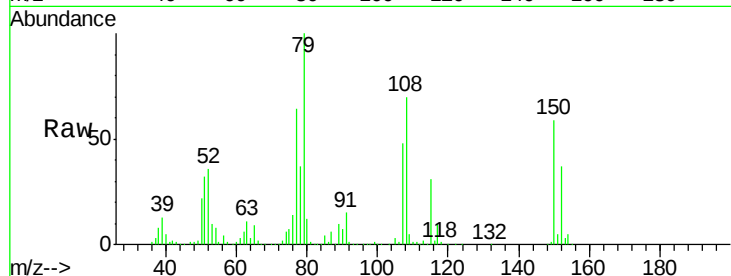
108 69.8 58.7 88.1

77 63.6 49.8 74.8

Manual Integrations
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7/31/2015 11:22:48 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 46.65 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

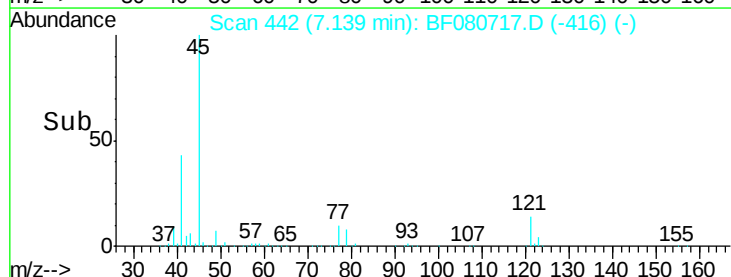
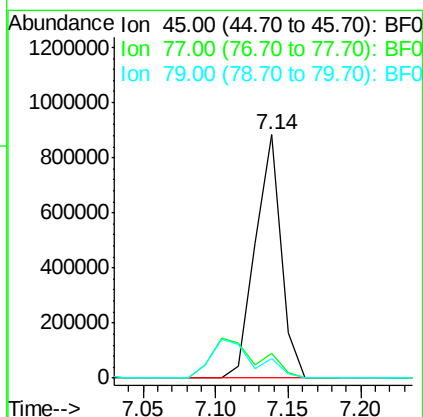
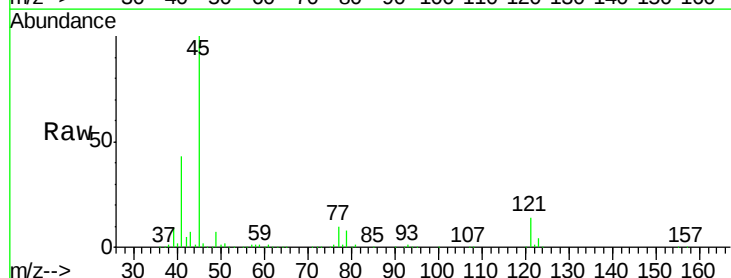
Tgt Ion: 45 Resp: 1083128

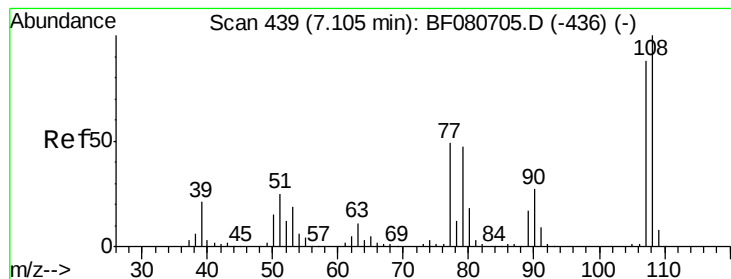
Ion Ratio Lower Upper

45 100

77 10.1 0.0 29.9

79 7.8 0.0 27.4





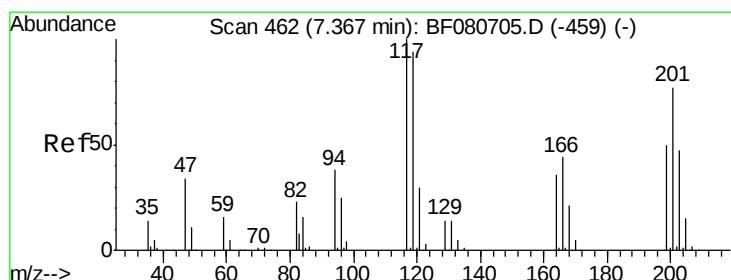
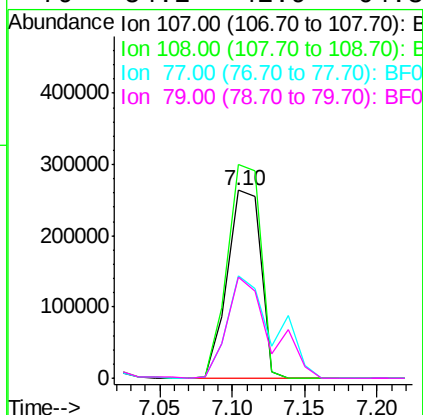
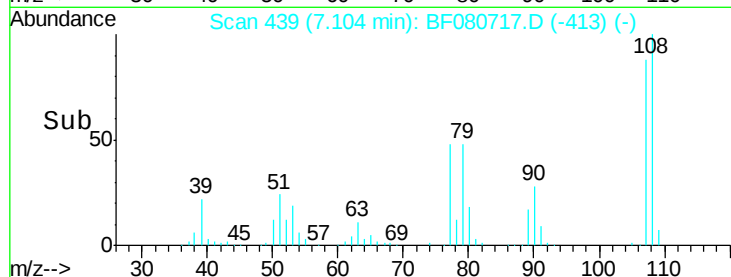
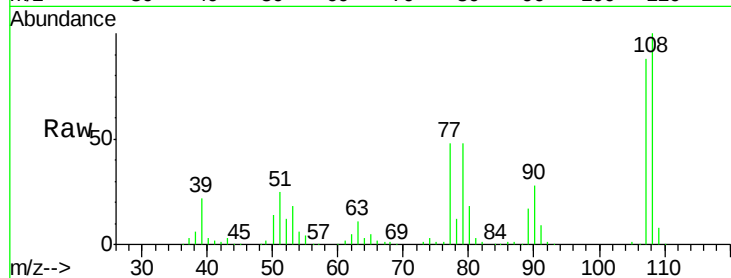
#17
2-Methylphenol
Concen: 47.60 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	422958		
108	113.9	90.8	136.2	
77	54.6	44.6	67.0	
79	54.2	42.9	64.3	

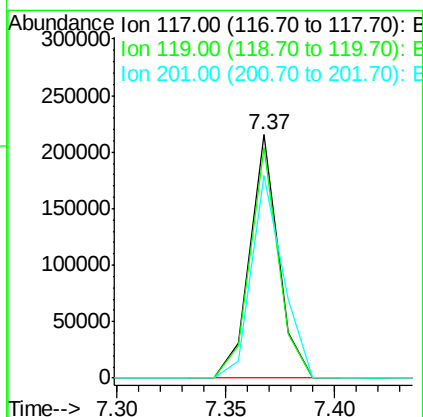
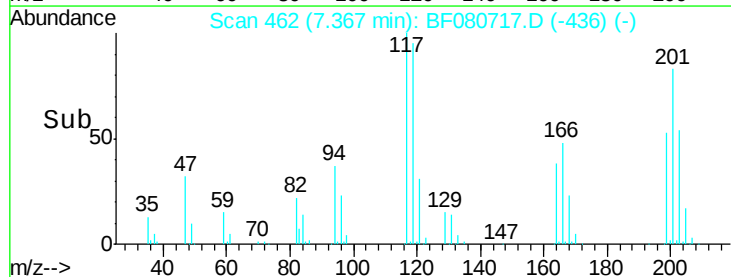
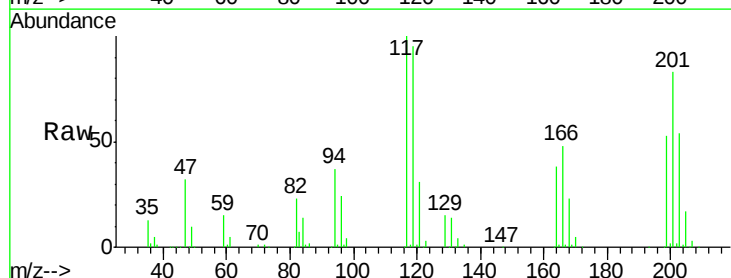
Manual Integrations
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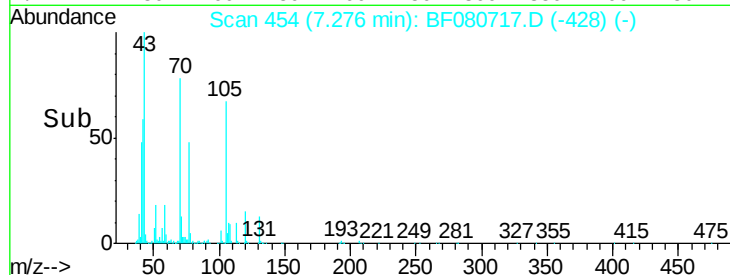
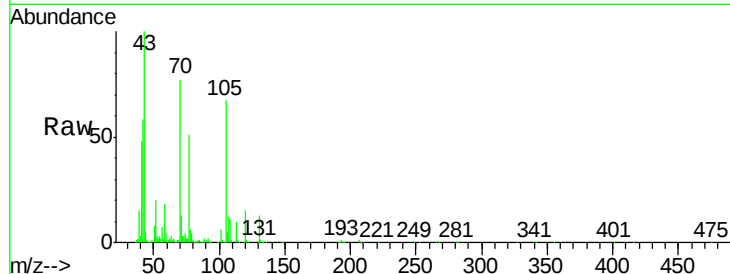
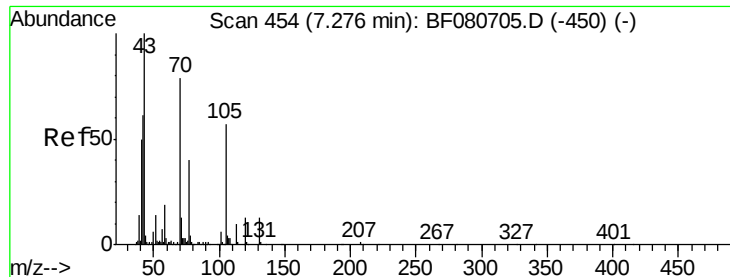
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7/31/2015 11:22:48 AM



#18
Hexachloroethane
Concen: 42.84 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	196532		
119	94.6	74.9	112.3	
201	83.5	61.5	92.3	





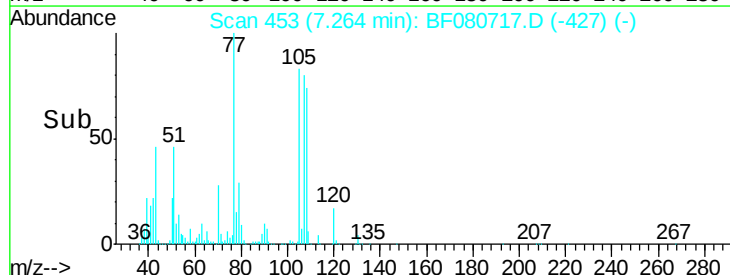
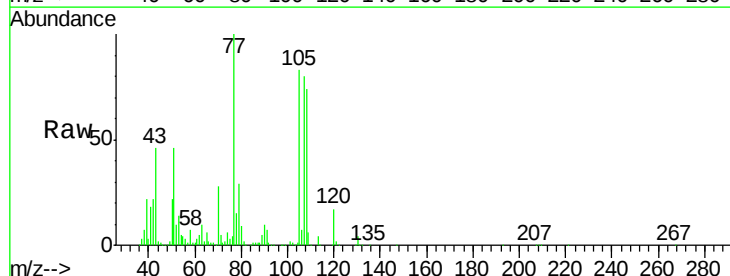
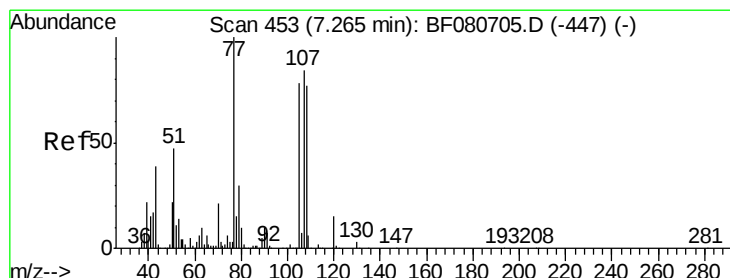
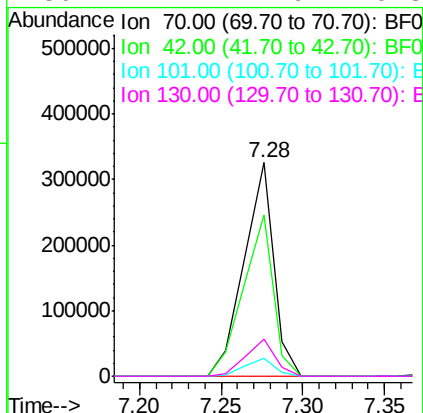
#19
n-Nitroso-di-n-propylamine
Concen: 46.34 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Manual Integrations
APPROVED

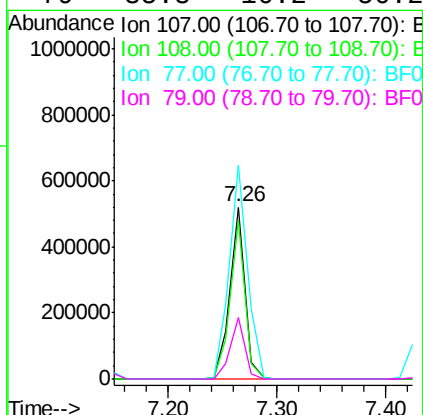
MMDadoda
7/31/2015 11:22:48 AM

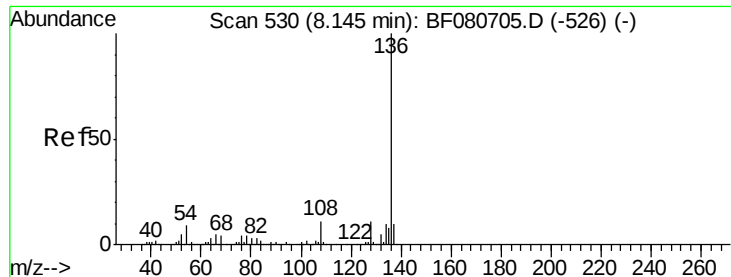
Tgt Ion	Ratio	Lower	Upper
70	100		
42	75.6	61.8	92.6
101	8.4	6.1	9.1
130	17.1	12.9	19.3



#20
3+4-Methylphenols
Concen: 45.11 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.3	71.8	111.8
77	124.4	99.8	139.8
79	35.8	16.2	56.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF080717.D

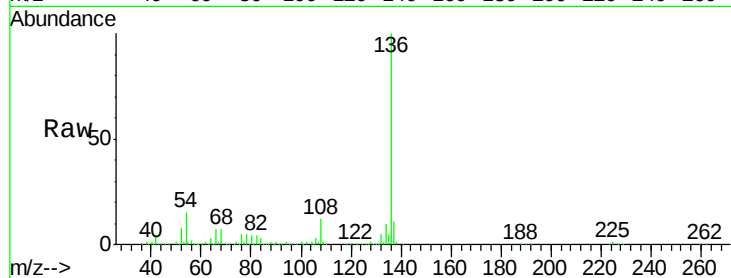
Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

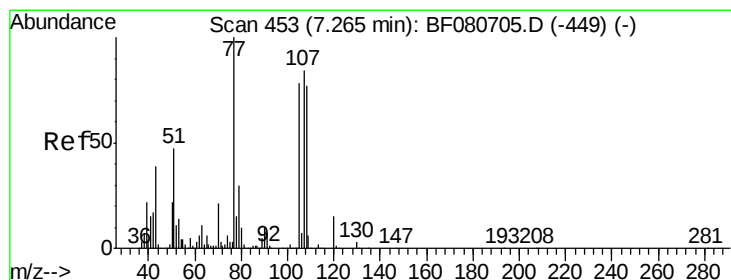
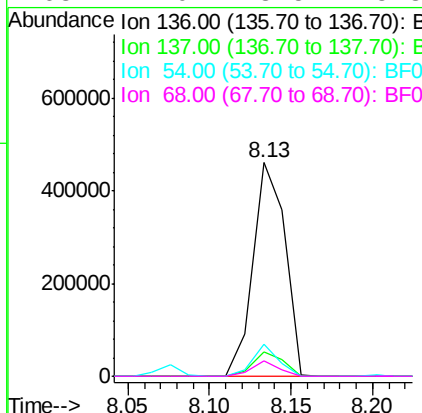
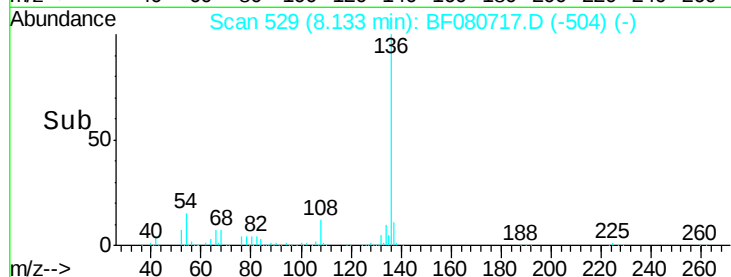
GRID-5-(6-12)MS



Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.2	8.4	12.6
54	15.0	6.9	10.3#
68	7.0	3.5	5.3#

Manual Integrations
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#22

Acetophenone

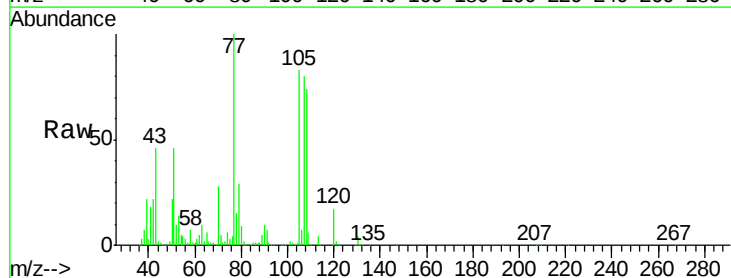
Concen: 45.86 ng

RT: 7.26 min Scan# 453

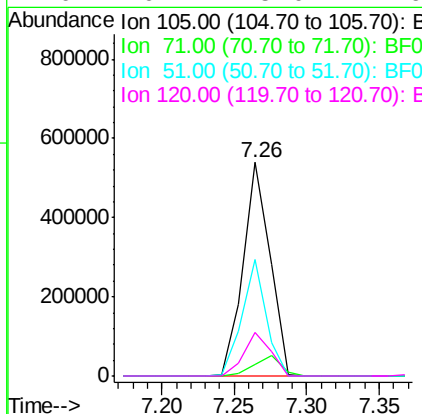
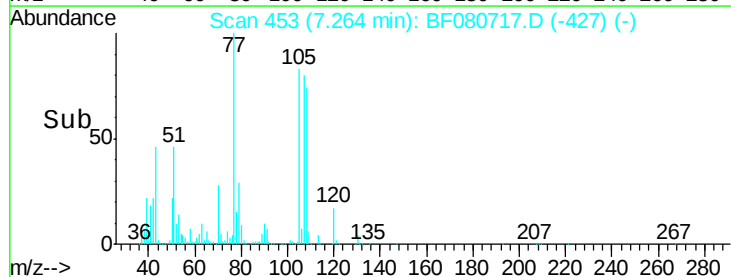
Delta R.T. -0.00 min

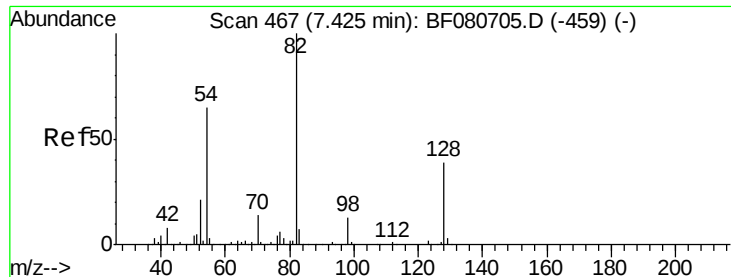
Lab File: BF080717.D

Acq: 31 Jul 2015 4:01



Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
71	5.6	3.4	5.0#
51	54.8	47.9	71.9
120	20.1	15.0	22.6





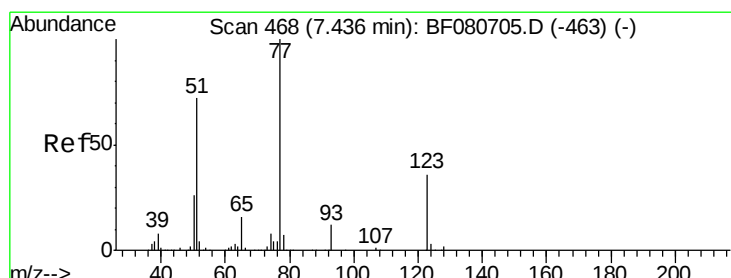
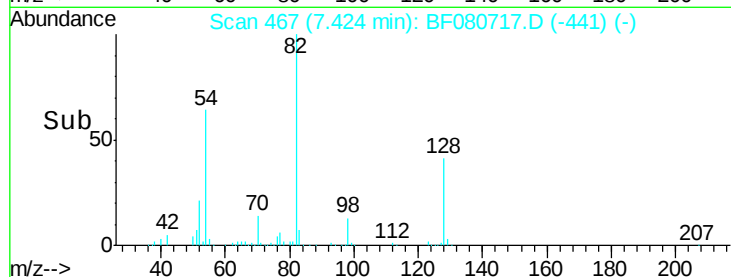
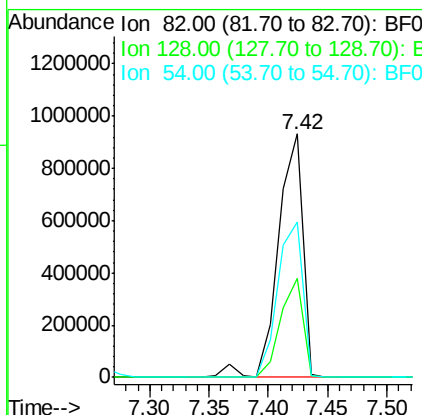
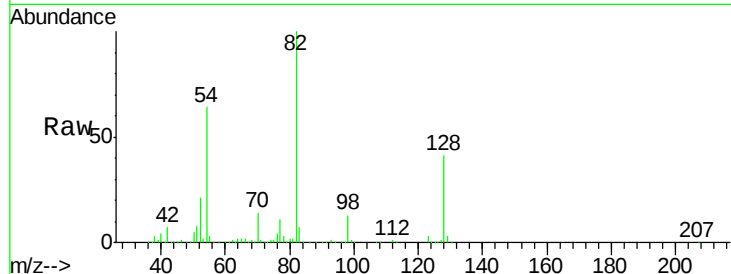
#23
 Nitrobenzene-d5
 Concen: 102.37 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion: 82 Resp: 1322790
 Ion Ratio Lower Upper
 82 100
 128 40.8 31.5 47.3
 54 63.8 51.8 77.8

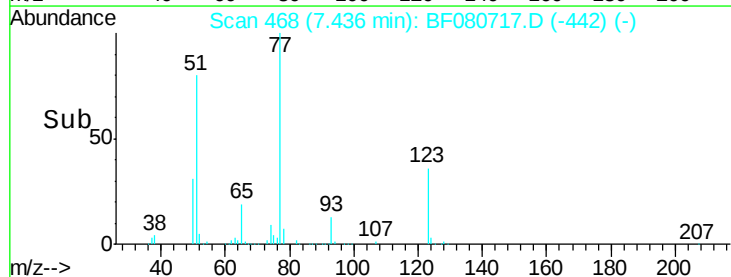
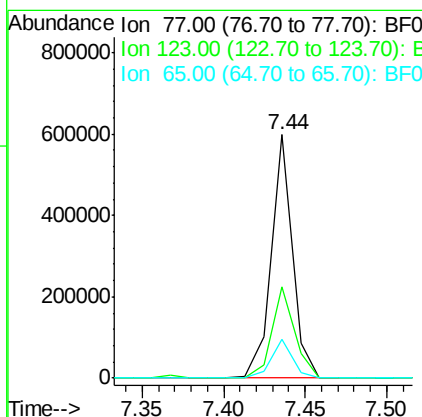
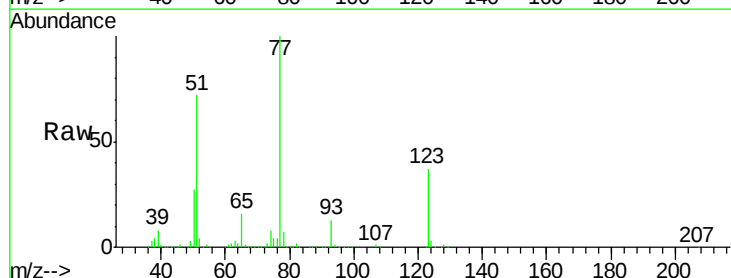
Manual Integrations
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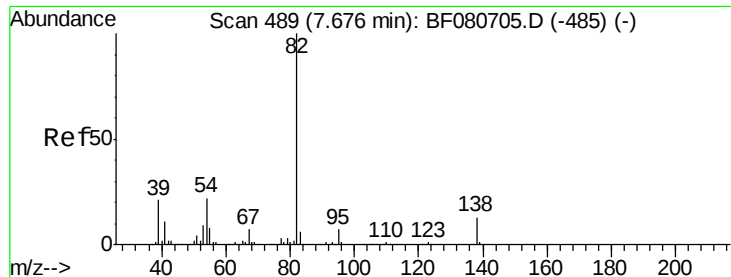
MMDadoda
 7/31/2015 11:22:48 AM



#24
 Nitrobenzene
 Concen: 42.12 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion: 77 Resp: 545286
 Ion Ratio Lower Upper
 77 100
 123 37.3 28.9 43.3
 65 16.1 13.0 19.4





#25

Isophorone

Concen: 48.22 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MS

Tgt Ion: 82 Resp: 1108107

Ion Ratio Lower Upper

82 100

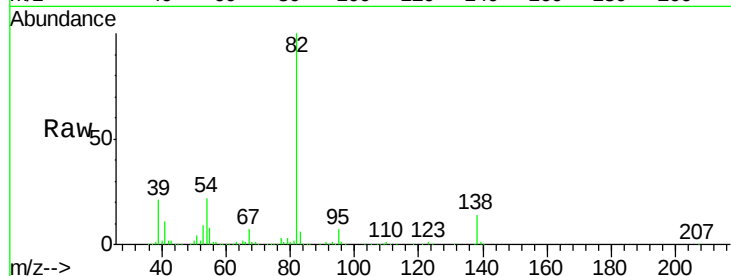
95 7.3 5.8 8.6

138 14.0 10.7 16.1

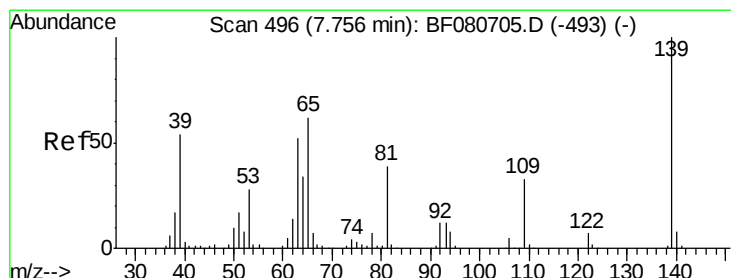
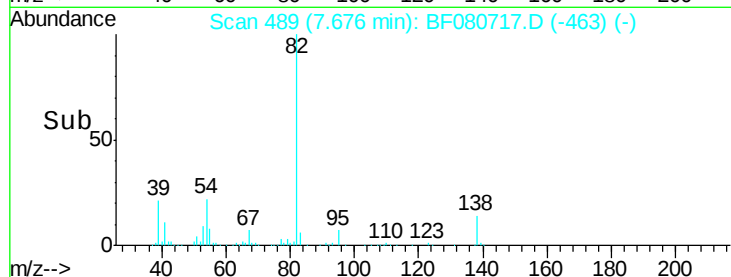
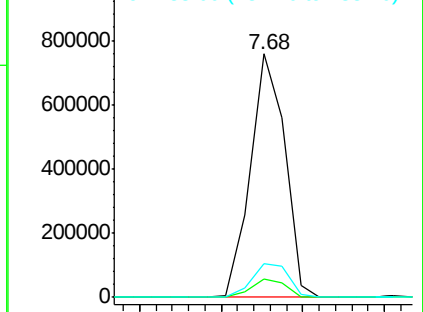
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 51.10 ng m

RT: 7.76 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

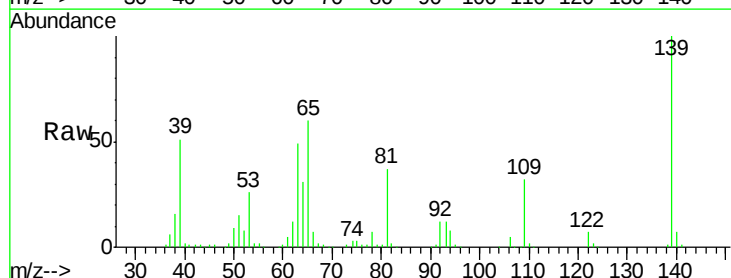
Tgt Ion: 139 Resp: 268519

Ion Ratio Lower Upper

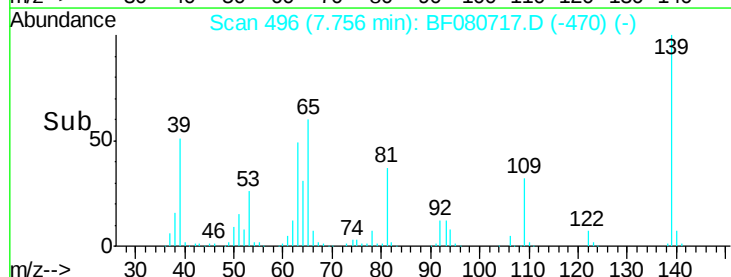
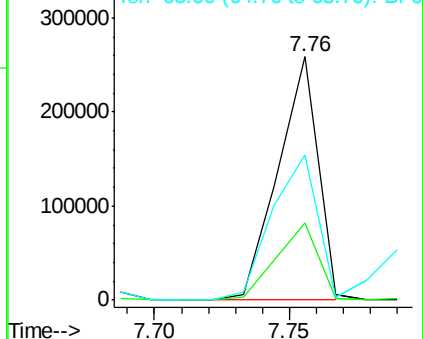
139 100

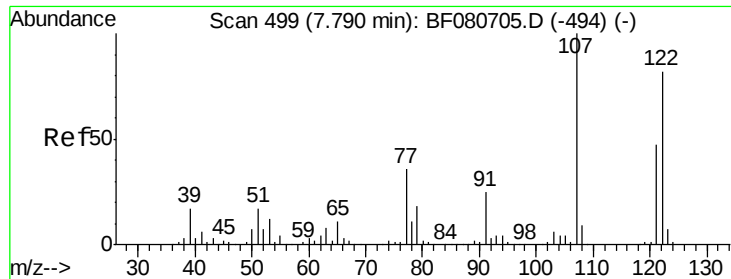
109 31.9 26.5 39.7

65 59.8 49.8 74.8



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





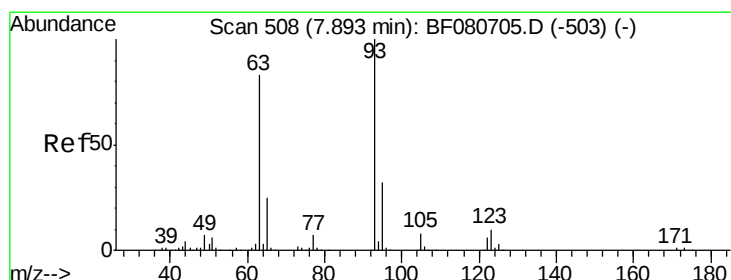
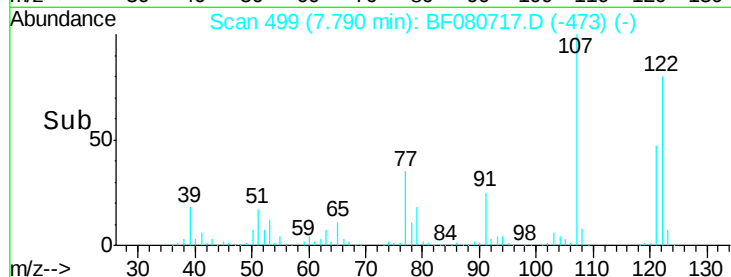
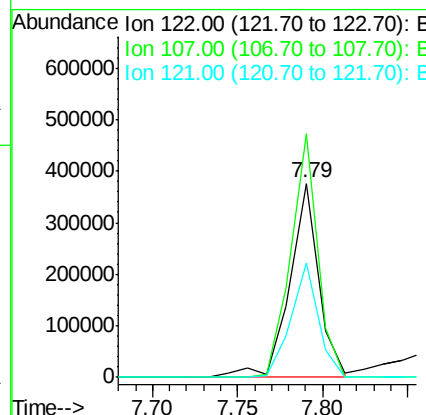
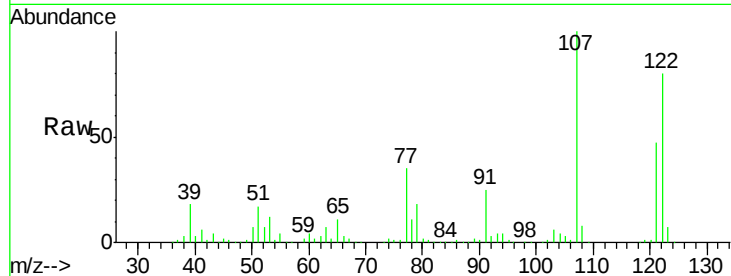
#27
 2,4-Dimethylphenol
 Concen: 44.79 ng m
 RT: 7.79 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	442153		
107	125.5	98.1	147.1	
121	58.8	45.8	68.8	

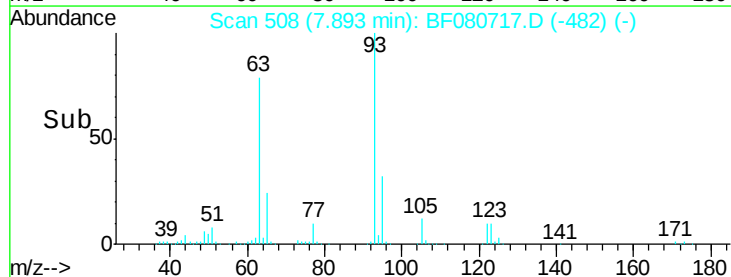
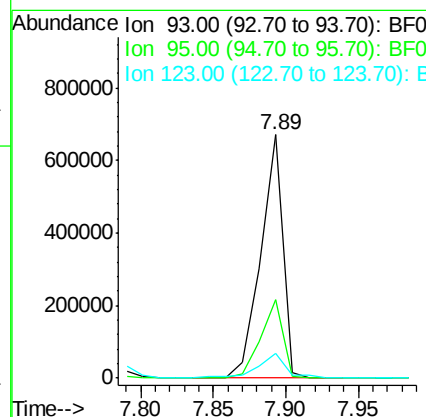
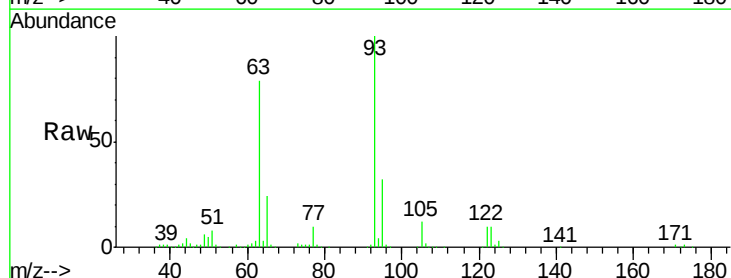
Manual Integrations
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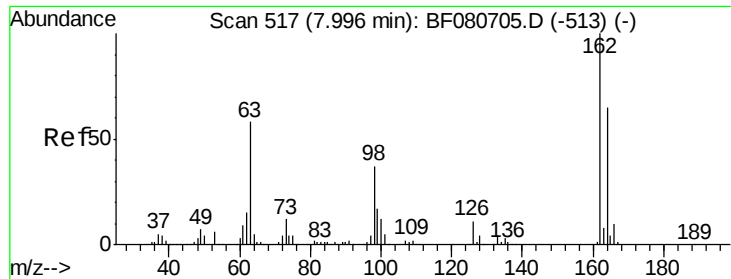
MMDadoda
 7/31/2015 11:22:48 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 51.84 ng
 RT: 7.89 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	705807		
95	32.2	26.0	39.0	
123	9.9	8.2	12.4	





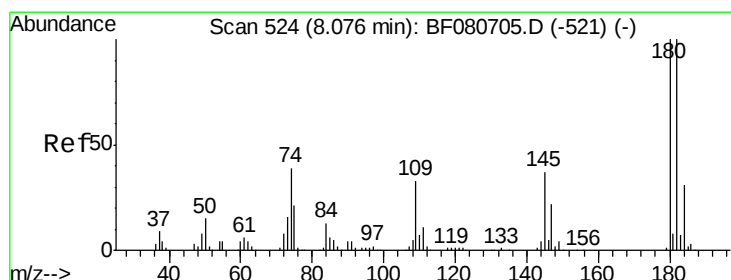
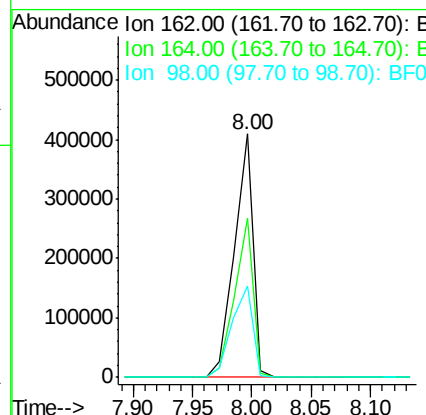
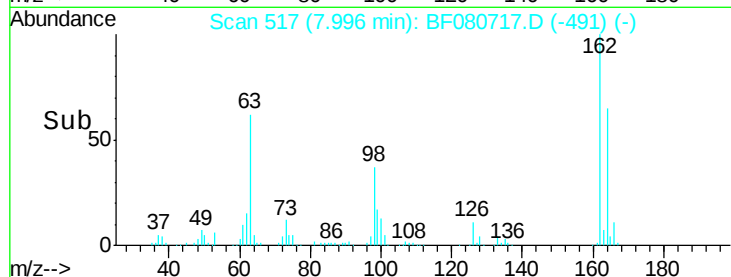
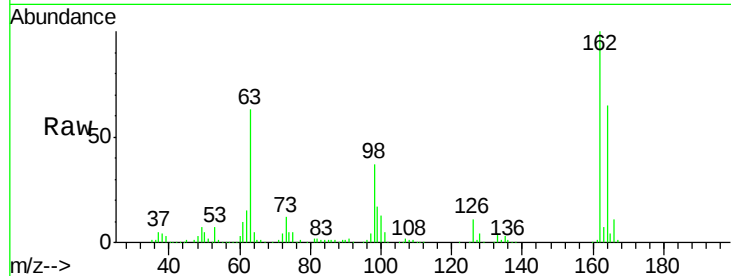
#29
2,4-Dichlorophenol
Concen: 51.01 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	447623		
164	65.3	45.1	85.1	
98	37.3	17.0	57.0	

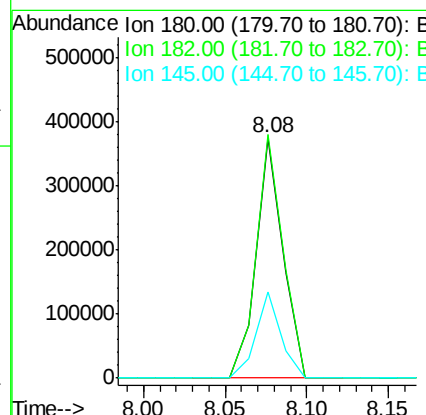
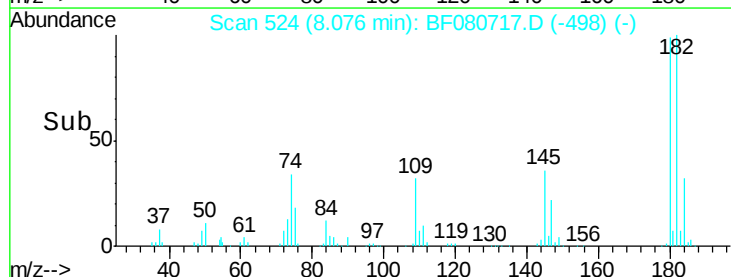
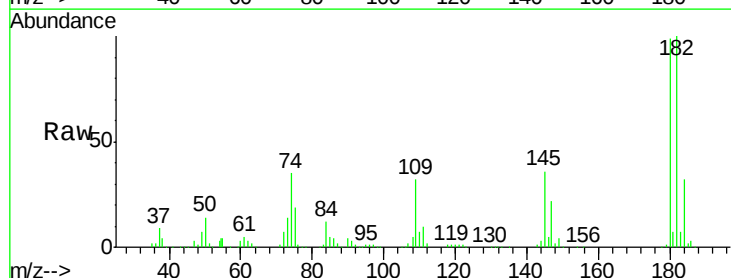
Manual Integrations
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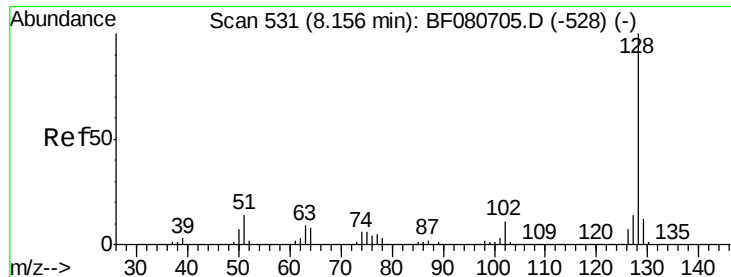
MMDadoda
7/31/2015 11:22:48 AM



#30
1,2,4-Trichlorobenzene
Concen: 44.64 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	427137		
182	101.3	79.8	119.8	
145	36.0	29.8	44.6	





#31

Naphthalene

Concen: 43.34 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MS

Tgt Ion:128 Resp: 1353826

Ion Ratio Lower Upper

128 100

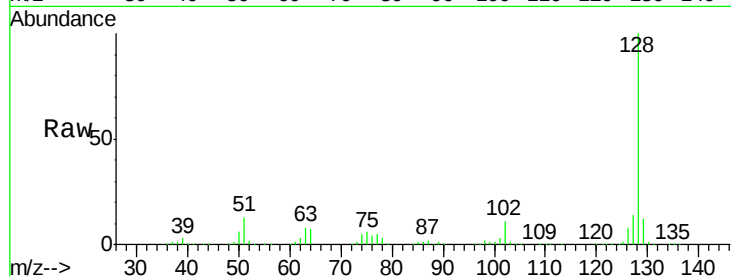
129 11.7 9.5 14.3

127 13.7 11.0 16.6

Manual Integrations
APPROVED

MMDadoda

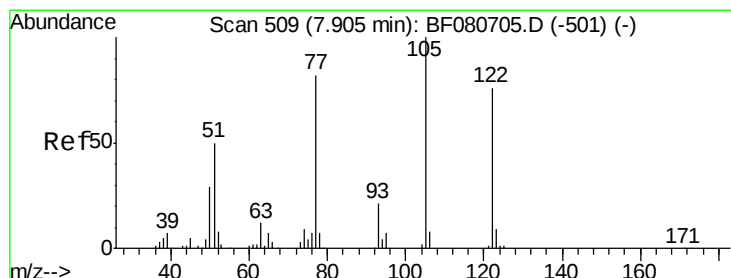
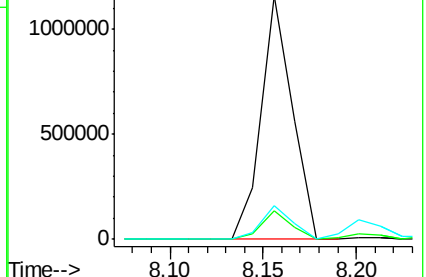
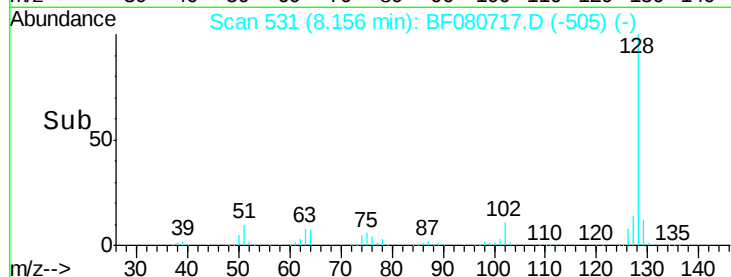
7/31/2015 11:22:48 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 47.54 ng m

RT: 7.92 min Scan# 510

Delta R.T. 0.01 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

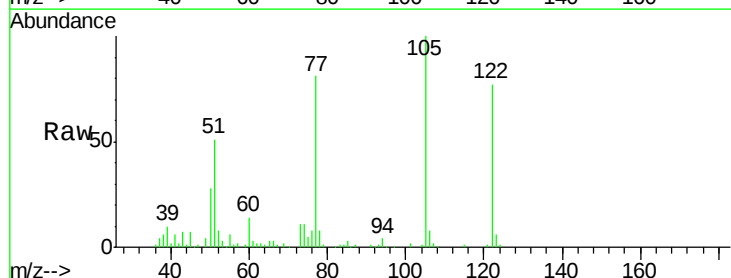
Tgt Ion:122 Resp: 329113

Ion Ratio Lower Upper

122 100

105 129.7 111.3 151.3

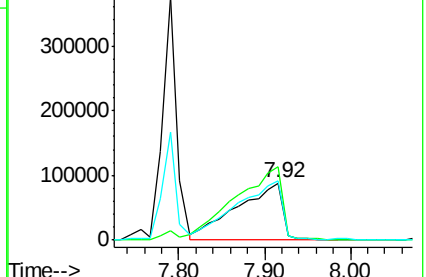
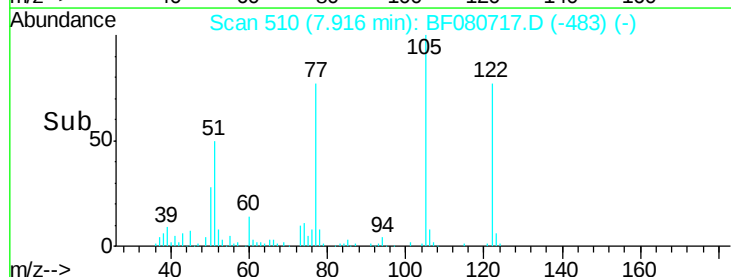
77 104.5 88.1 128.1

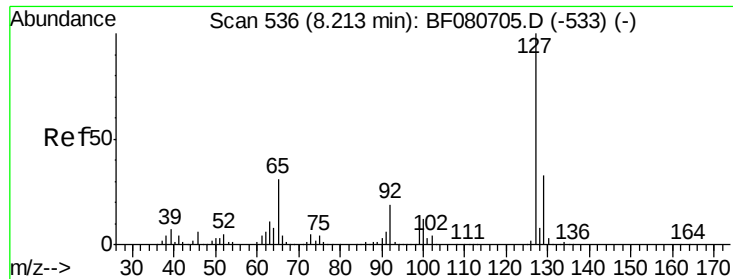


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





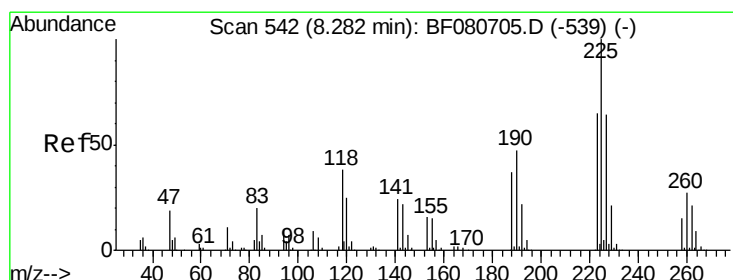
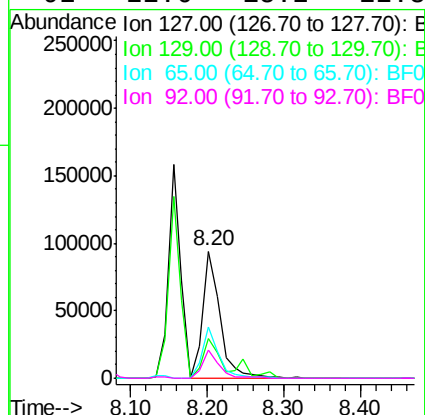
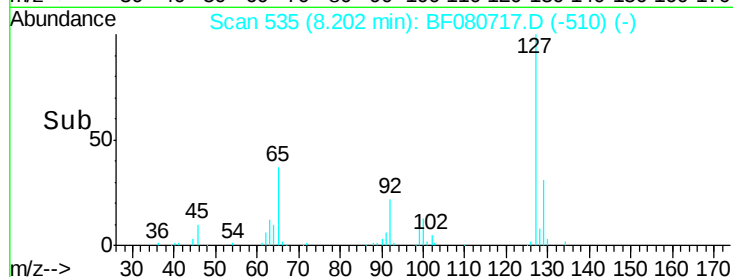
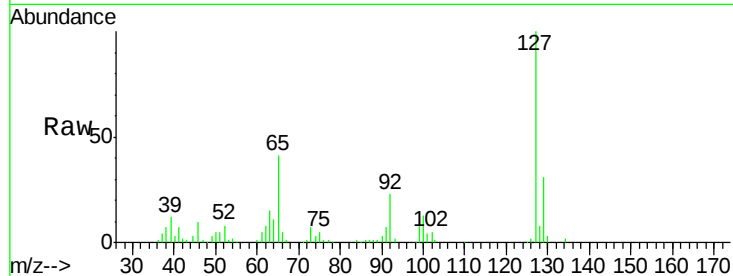
#33
4-Chloroaniline
Concen: 11.13 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	31.0	26.7	40.1
65	40.8	24.5	36.7
92	22.6	15.2	22.8

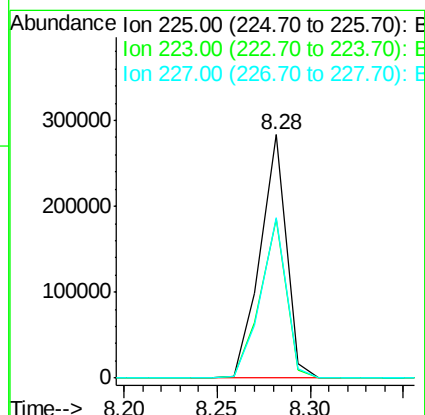
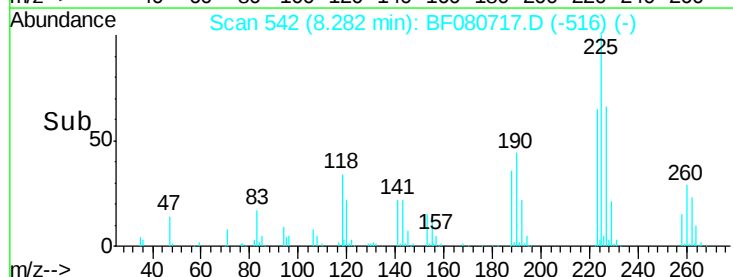
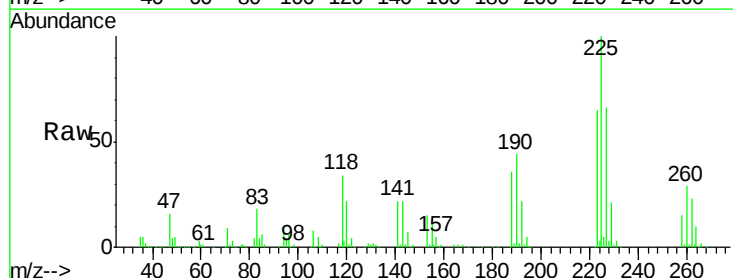
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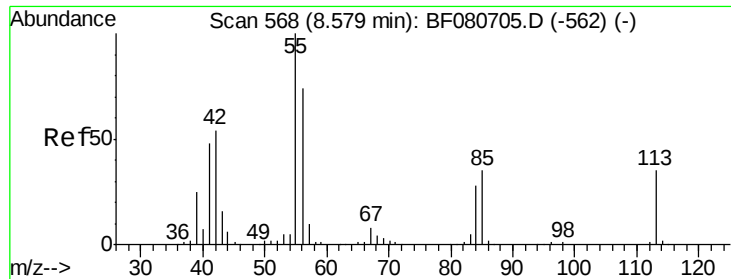
MMDadoda
7/31/2015 11:22:48 AM



#34
Hexachlorobutadiene
Concen: 44.70 ng
RT: 8.28 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	65.1	51.7	77.5
227	65.9	51.0	76.4





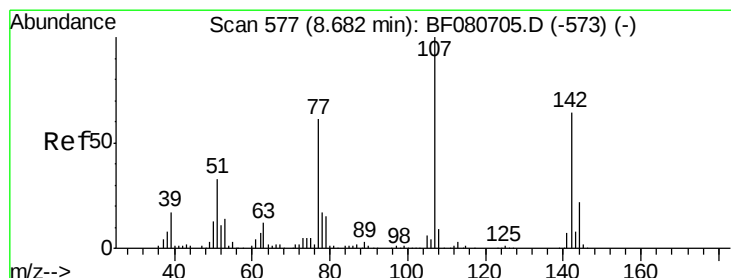
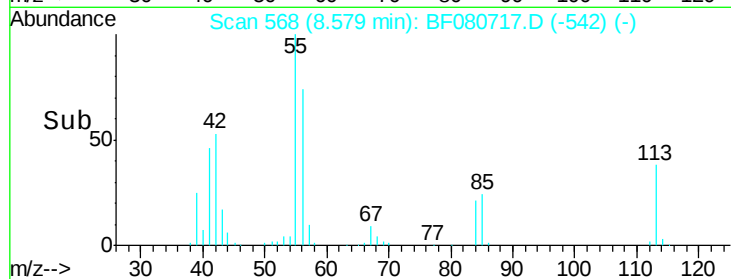
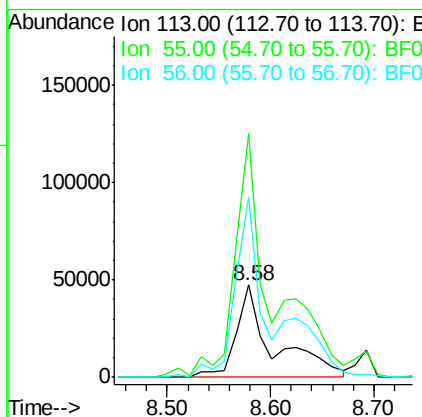
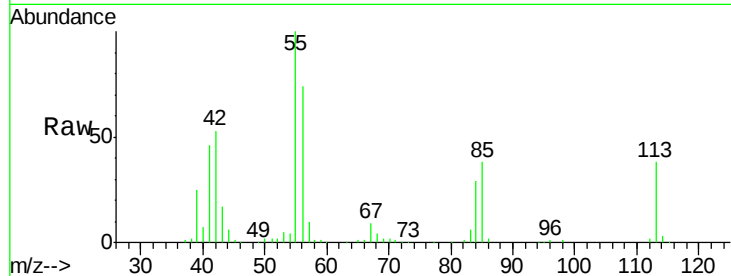
#35
 Caprolactam
 Concen: 45.25 ng m
 RT: 8.58 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	118917		
55	263.3	269.3	309.3#	
56	194.2	193.3	233.3	

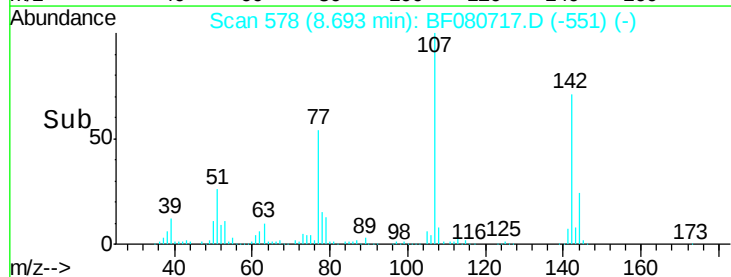
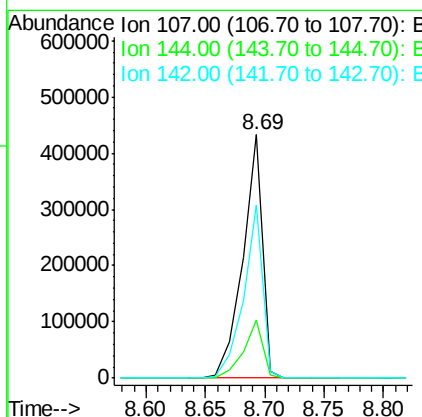
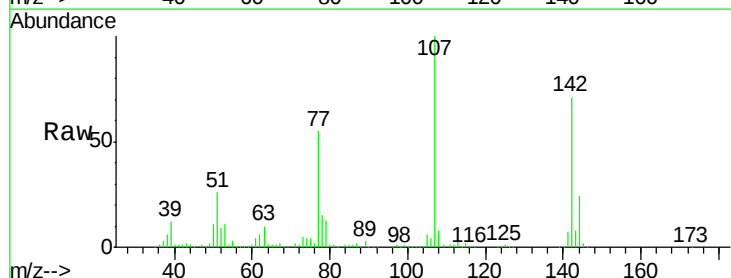
Manual Integrations
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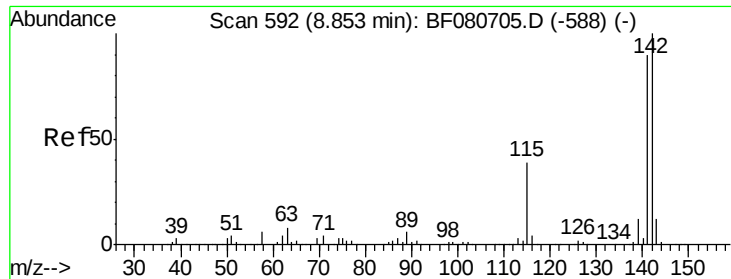
MMDadoda
 7/31/2015 11:22:48 AM



#36
 4-Chloro-3-methylphenol
 Concen: 53.17 ng
 RT: 8.69 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	503055		
144	24.0	17.2	25.8	
142	71.1	51.2	76.8	





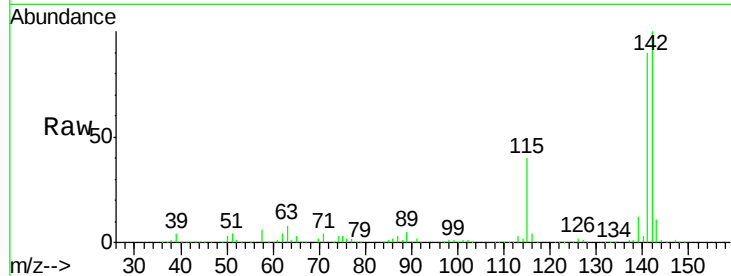
#37
2-Methylnaphthalene
Concen: 50.13 ng
RT: 8.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

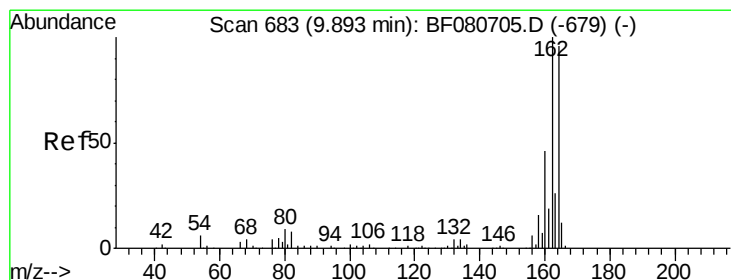
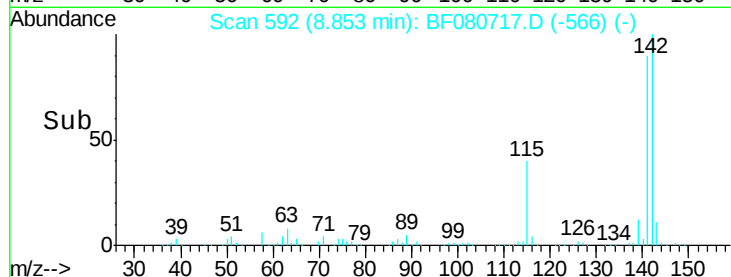
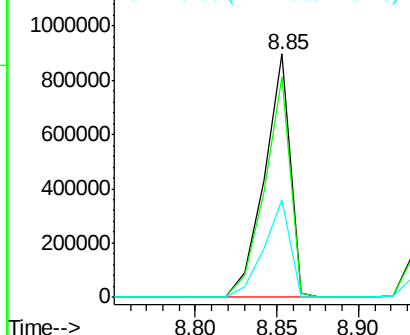
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	982864		
141	90.4	71.9	107.9	
115	40.2	31.4	47.2	

Manual Integrations
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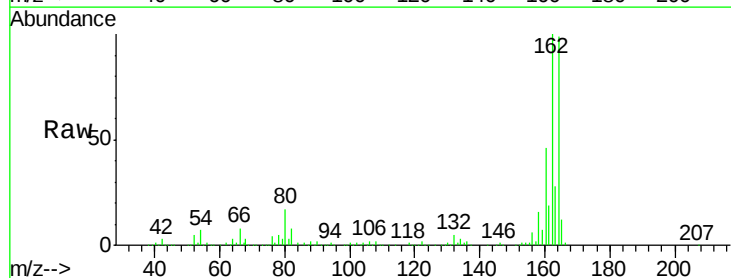


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

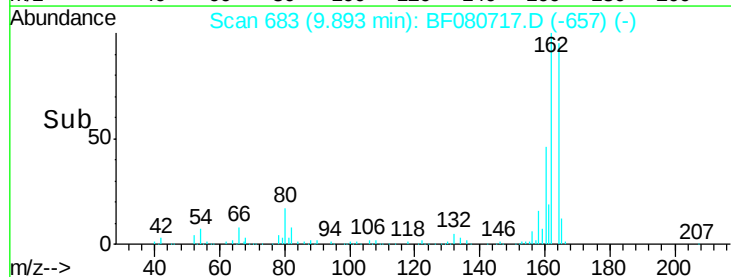
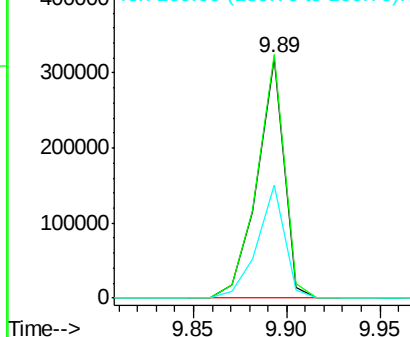


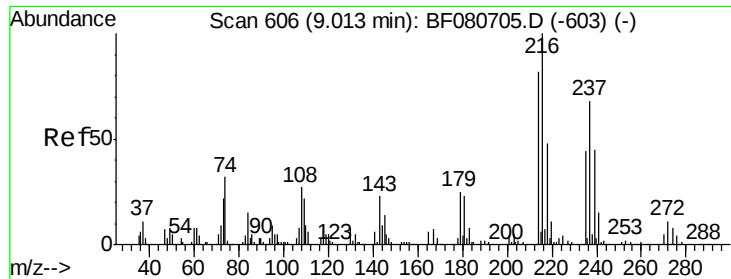
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	319457		
162	101.5	83.4	125.0	
160	46.9	38.0	57.0	



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.22 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF080717.D

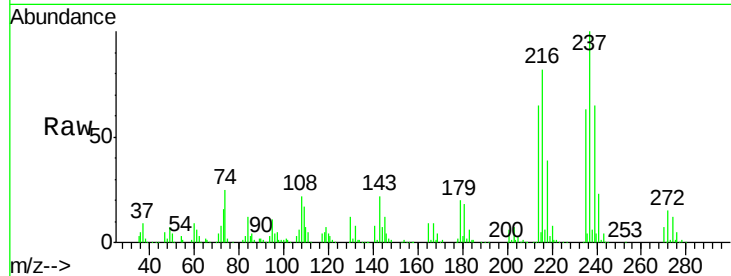
Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MS



Tgt Ion:216 Resp: 403462

Ion Ratio Lower Upper

216 100

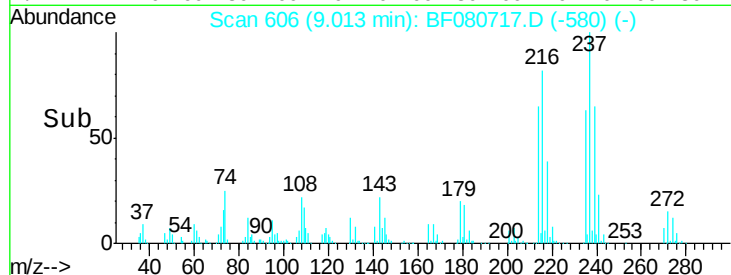
214 78.7 63.1 94.7

179 21.5 16.9 25.3

108 22.8 17.0 25.6

Manual Integrations
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MMDadoda
7/31/2015 11:22:48 AM

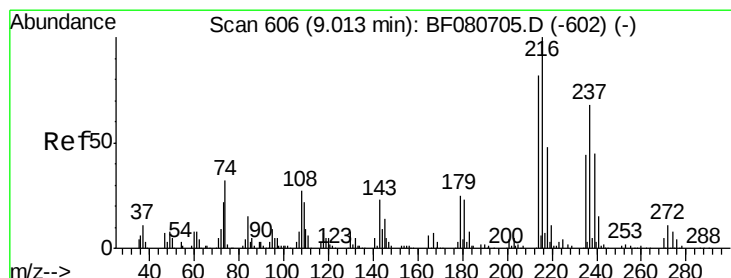
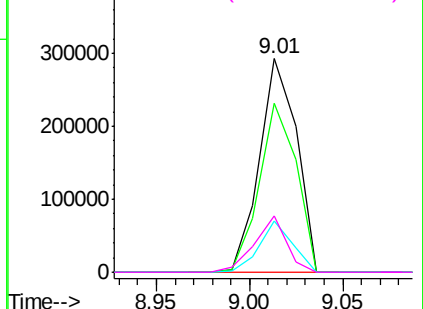


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 87.73 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

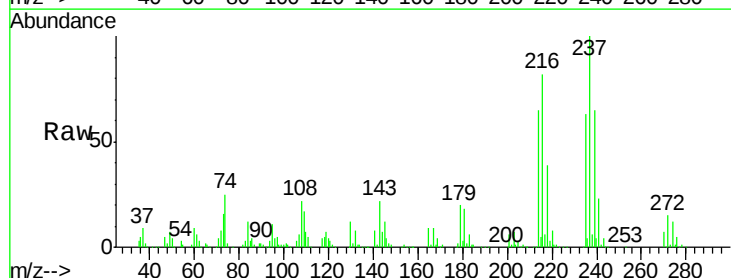
Tgt Ion:237 Resp: 541489

Ion Ratio Lower Upper

237 100

235 62.7 44.3 84.3

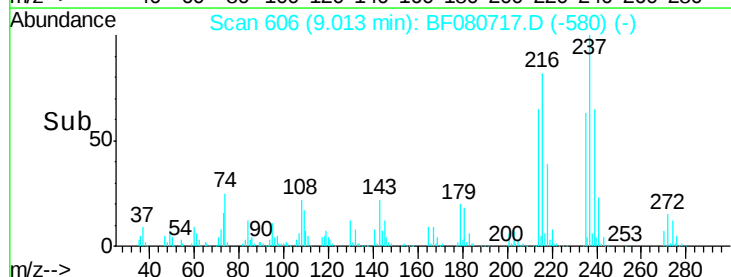
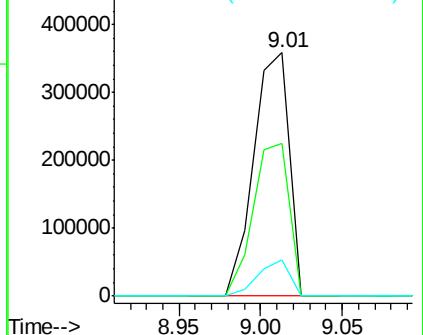
272 15.0 0.0 35.5

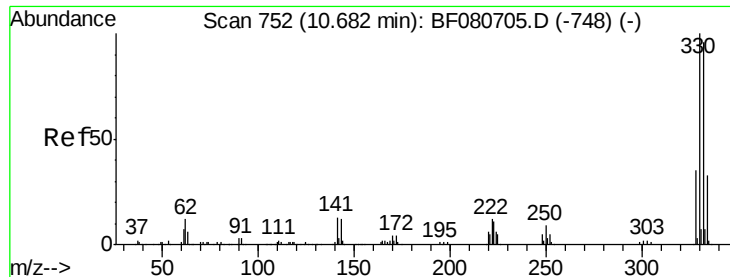


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





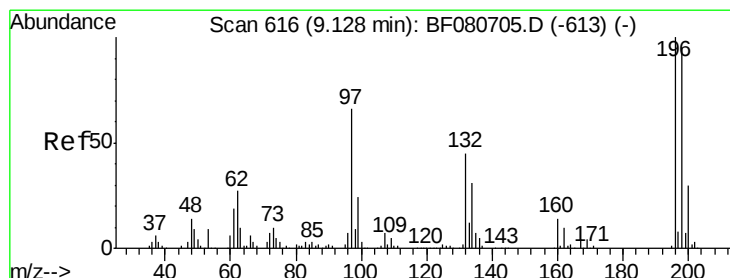
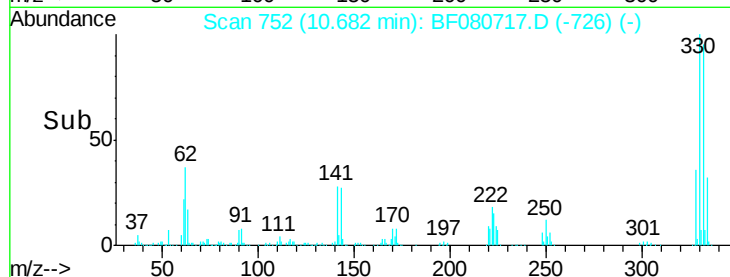
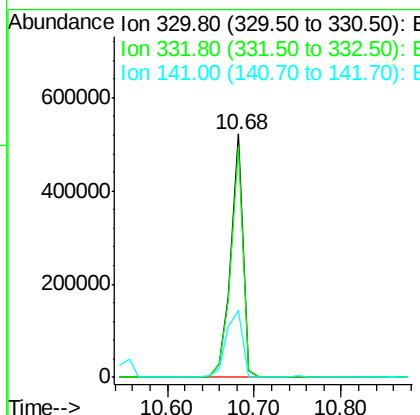
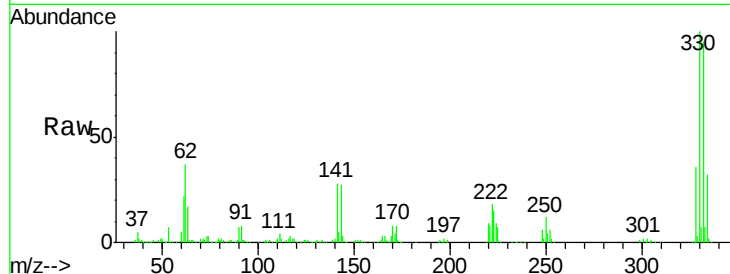
#41
 2,4,6-Tribromophenol
 Concen: 153.48 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	508754		
332	95.2	76.6	114.8	
141	36.8	26.0	39.0	

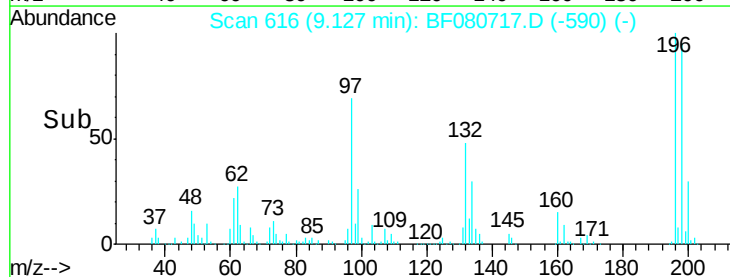
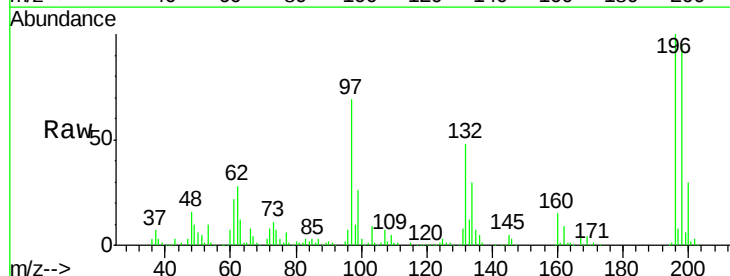
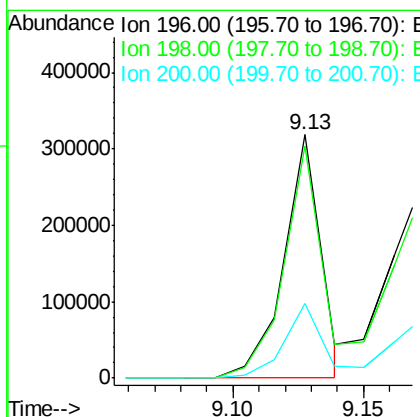
Manual Integrations
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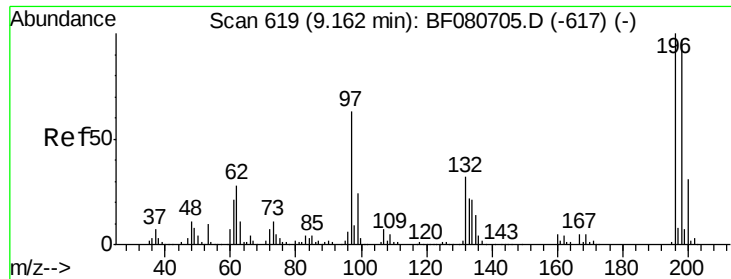
MMDadoda
 7/31/2015 11:22:48 AM



#42
 2,4,6-Trichlorophenol
 Concen: 45.06 ng m
 RT: 9.13 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

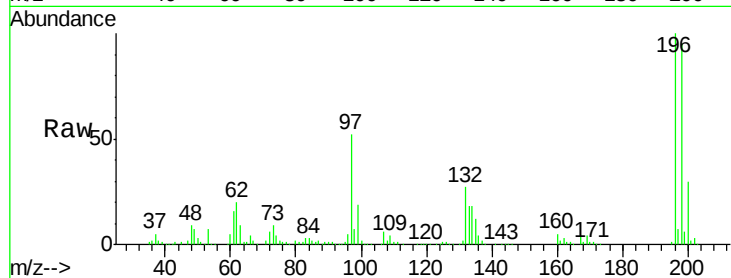
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	314471		
198	95.3	75.8	113.8	
200	30.4	24.2	36.2	





#43
 2,4,5-Trichlorophenol
 Concen: 47.91 ng m
 RT: 9.17 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

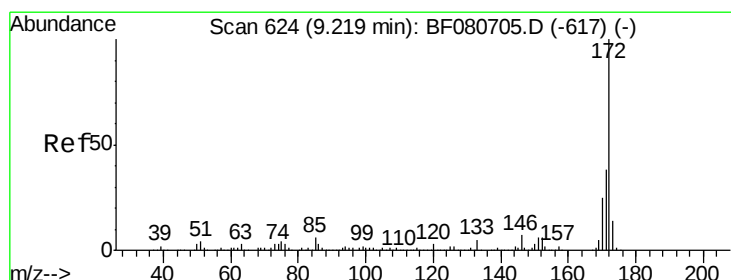
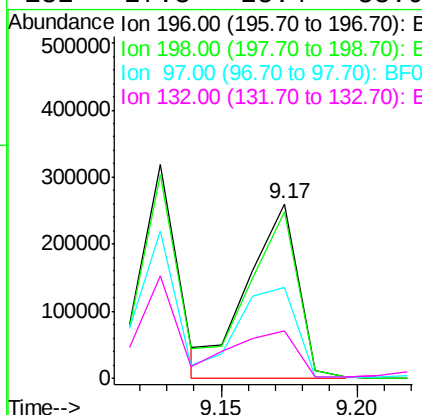
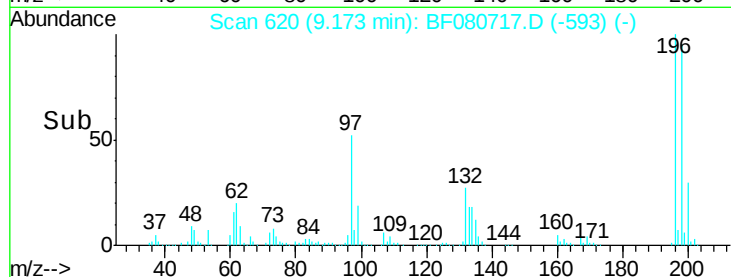
Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS



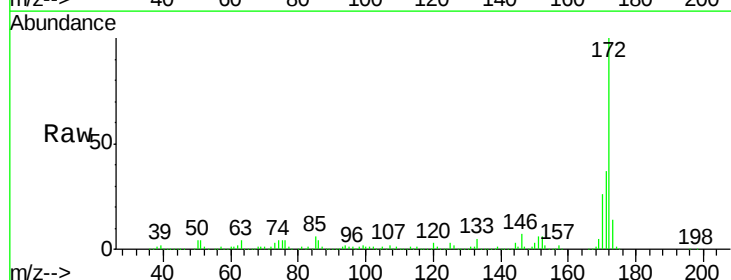
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	331658		
198	95.3	77.8	116.8	
97	51.8	49.0	73.4	
132	27.3	25.4	38.0	

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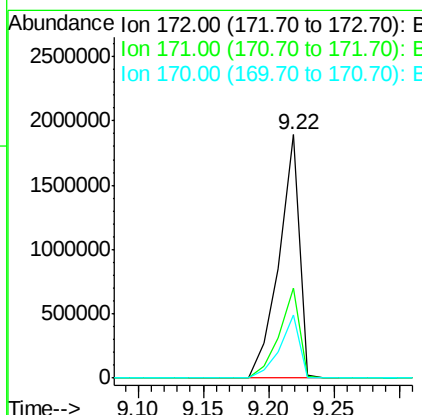
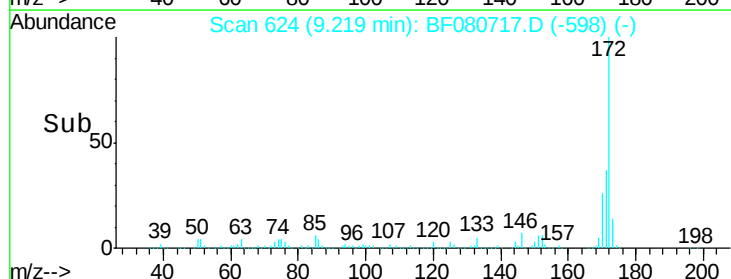
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 7/31/2015 11:22:48 AM

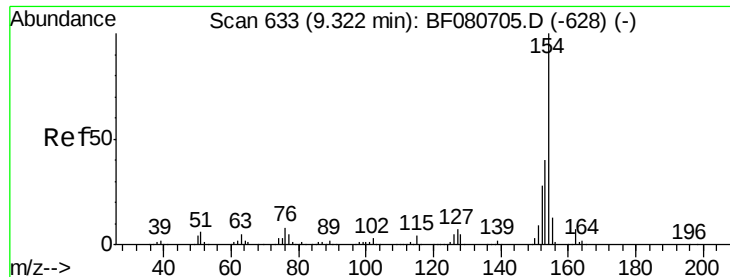


#44
 2-Fluorobiphenyl
 Concen: 97.72 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2092487		
171	37.1	30.2	45.4	
170	25.7	20.2	30.2	





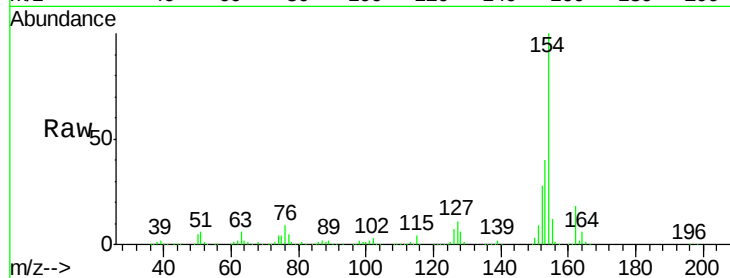
#45
1,1'-Biphenyl
Concen: 45.94 ng
RT: 9.32 min Scan# 633
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

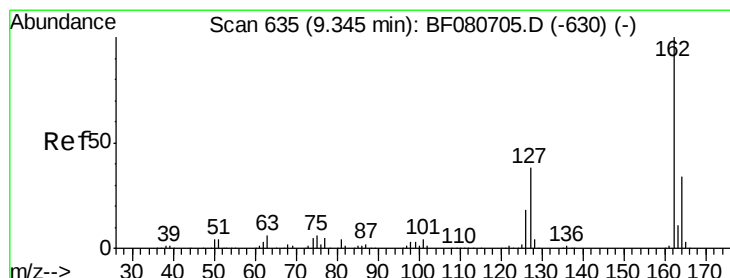
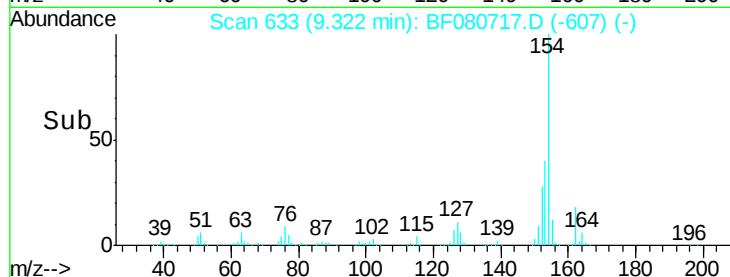
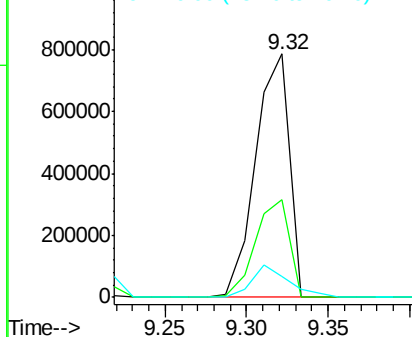
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.9	59.9
76	8.6	0.0	28.3

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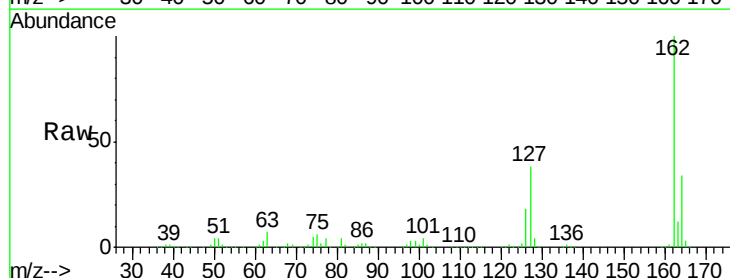


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

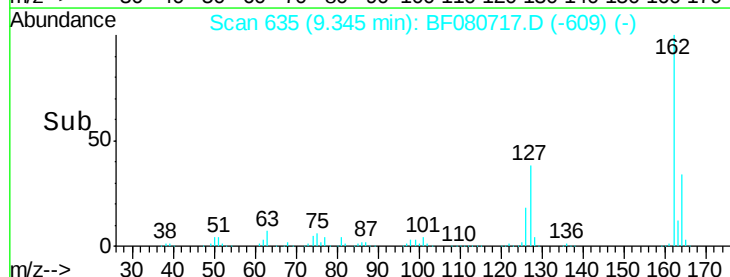
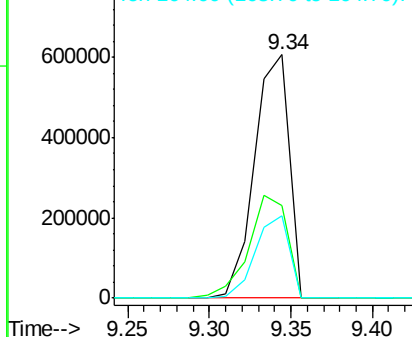


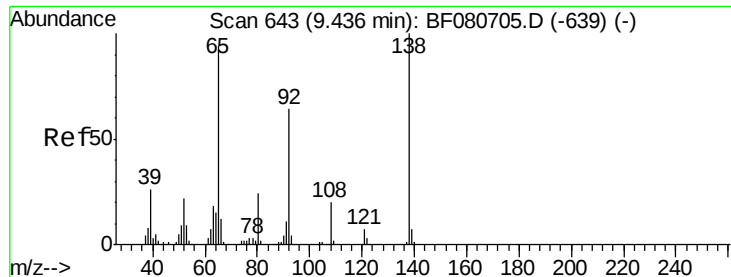
#46
2-Chloronaphthalene
Concen: 44.76 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.8	30.2	45.4
164	33.7	27.1	40.7



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





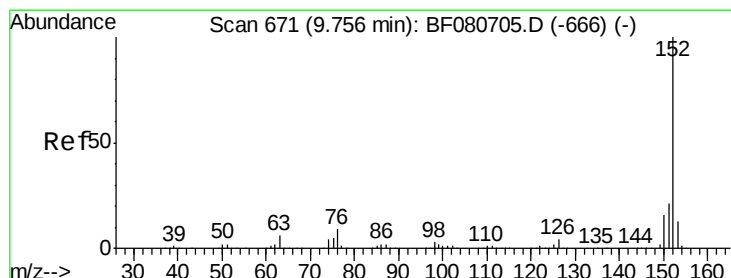
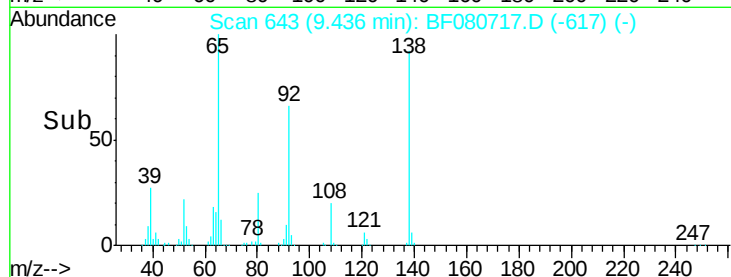
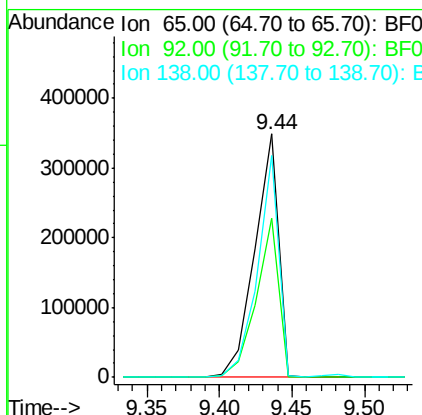
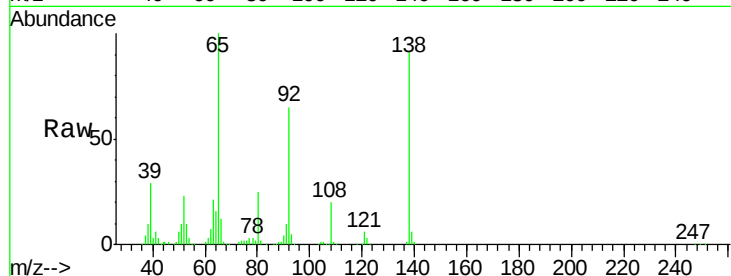
#47
2-Nitroaniline
Concen: 50.98 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.4	54.9	82.3
138	91.1	85.1	127.7

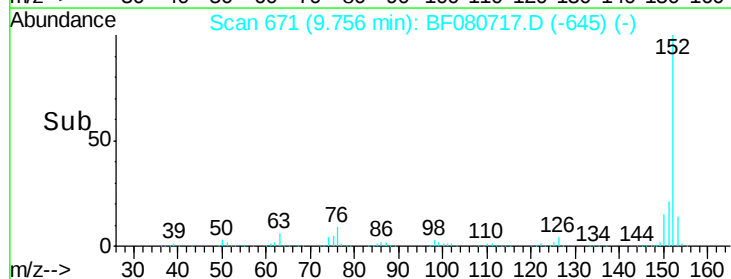
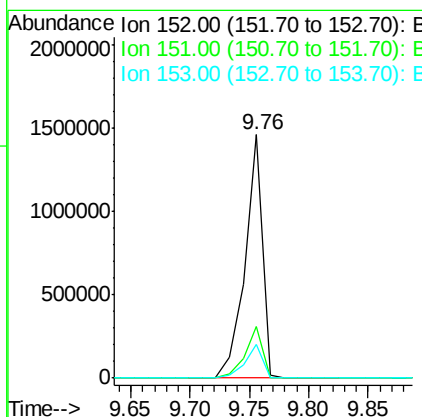
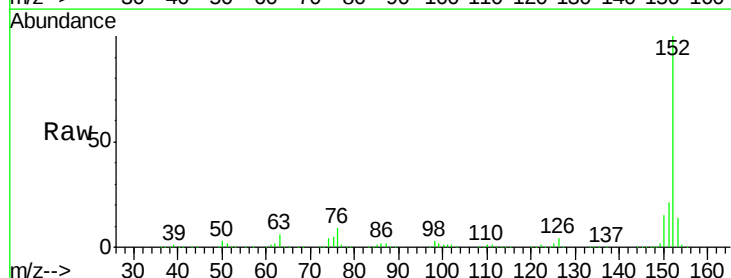
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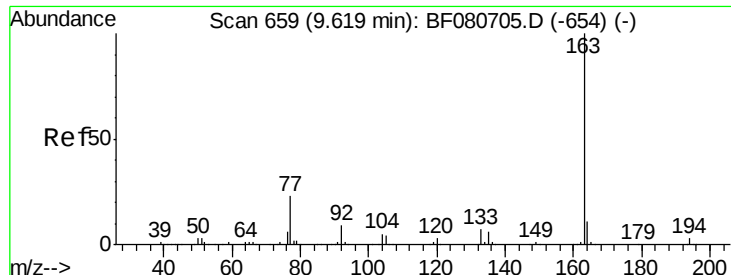
MMDadoda
7/31/2015 11:22:48 AM



#48
Acenaphthylene
Concen: 46.93 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.6
153	13.6	10.8	16.2





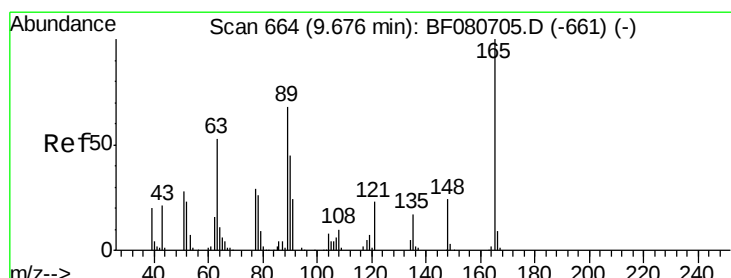
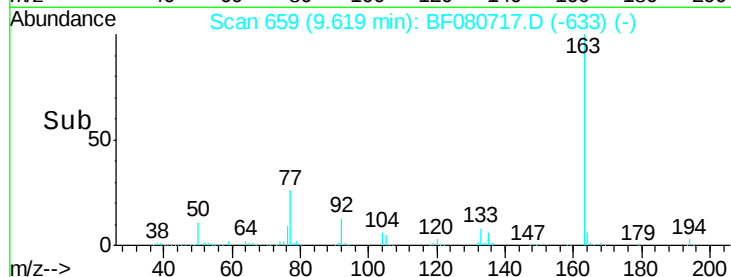
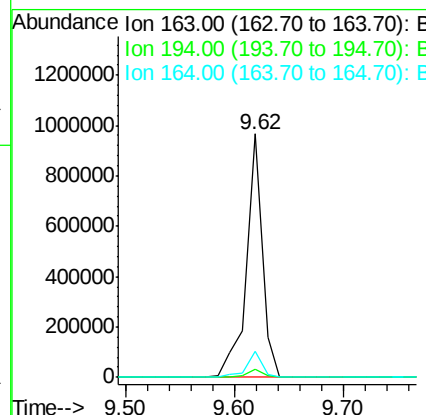
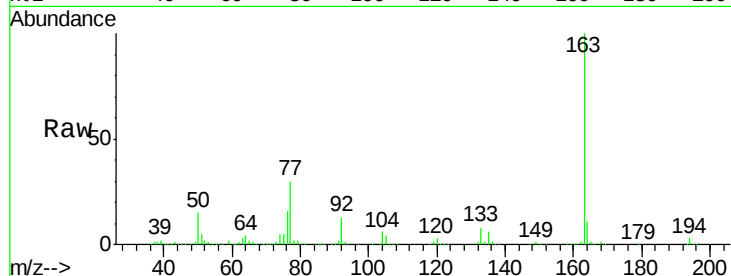
#49
Dimethylphthalate
Concen: 43.26 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	973765		
194	3.4	2.7	4.1	
164	11.0	8.7	13.1	

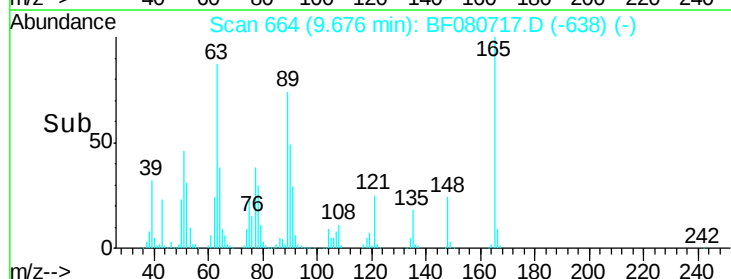
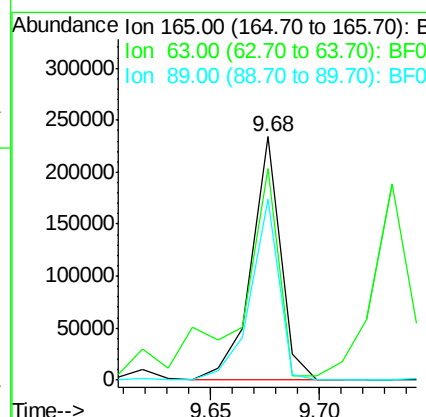
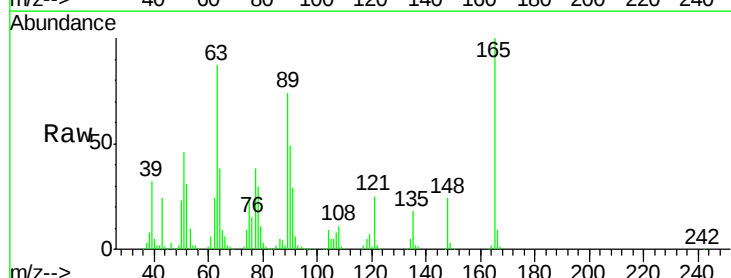
Manual Integrations
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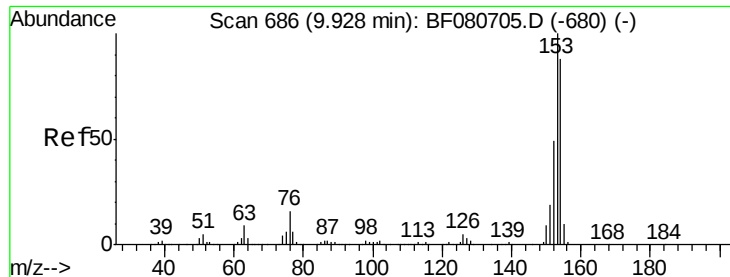
MMDadoda
7/31/2015 11:22:48 AM



#50
2,6-Dinitrotoluene
Concen: 45.85 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	219044		
63	86.7	62.3	93.5	
89	74.3	54.8	82.2	





#51

Acenaphthene

Concen: 54.54 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)MS

Tgt Ion:154 Resp: 1058506

Ion Ratio Lower Upper

154 100

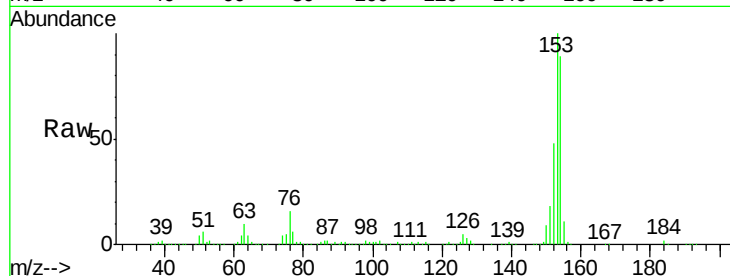
153 113.0 90.7 136.1

152 54.3 44.2 66.4

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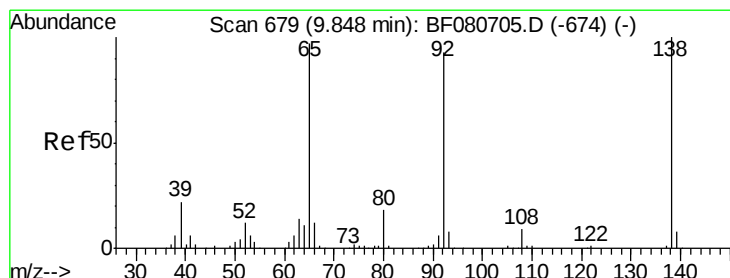
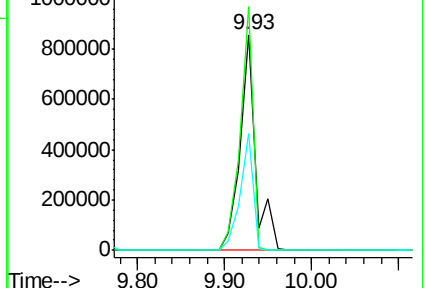
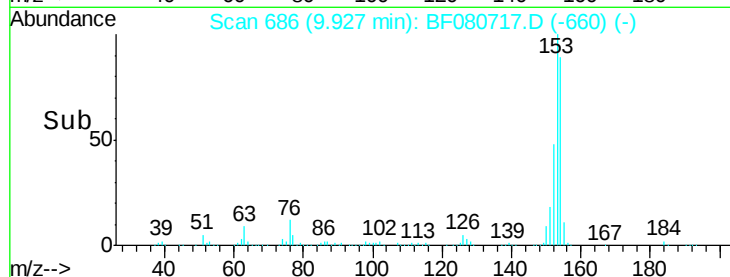
7/31/2015 11:22:48 AM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 23.21 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

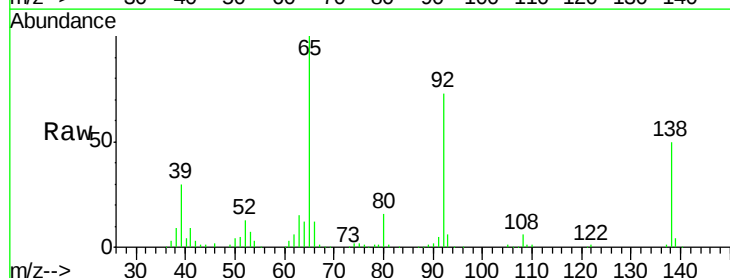
Tgt Ion:138 Resp: 127956

Ion Ratio Lower Upper

138 100

108 11.3 6.9 10.3#

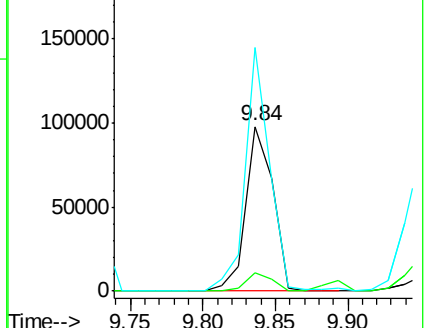
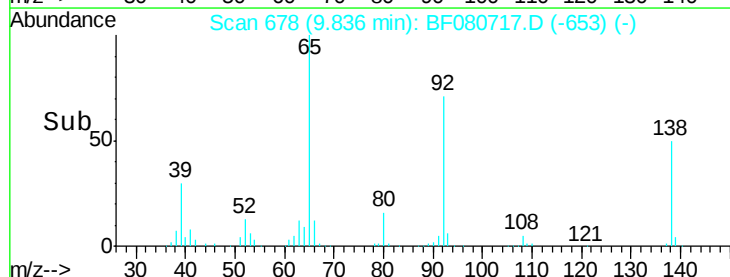
92 147.8 74.1 111.1#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





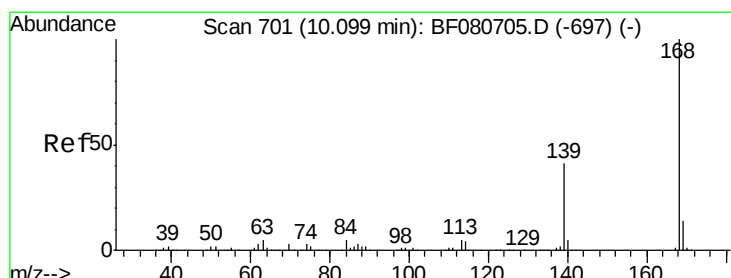
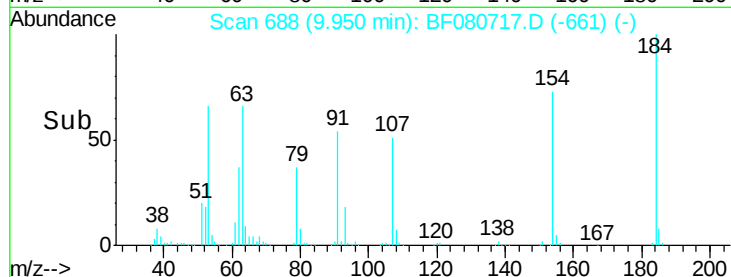
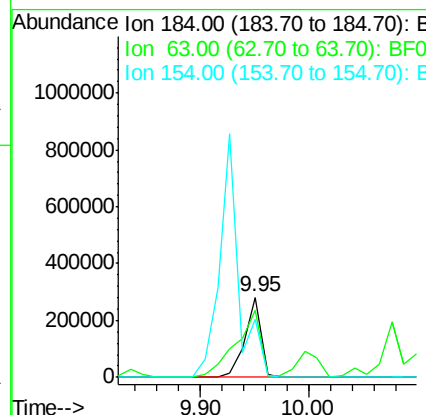
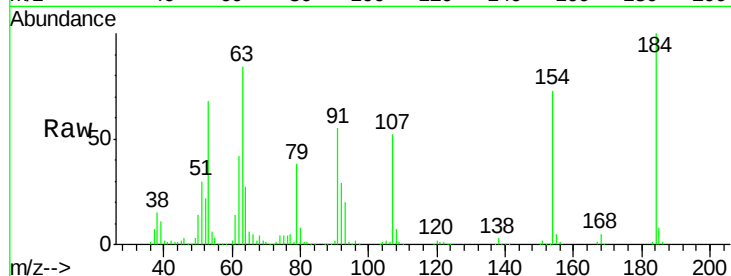
#53
2,4-Dinitrophenol
Concen: 110.78 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.01 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	281895		
63	84.0	96.0	144.0#	
154	72.9	66.0	99.0	

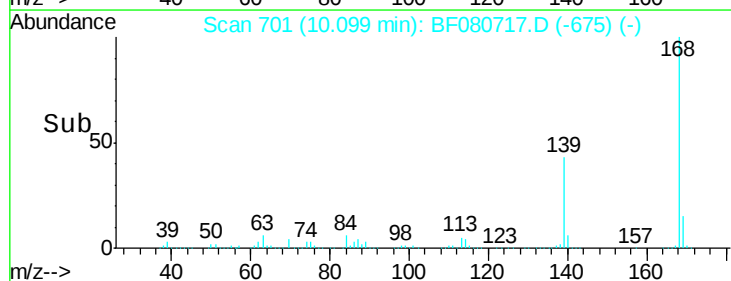
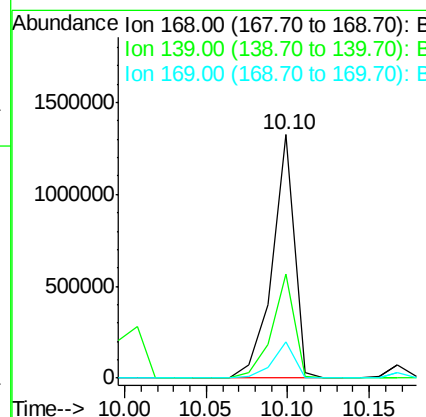
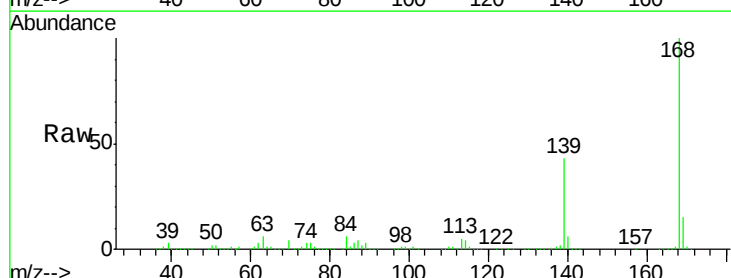
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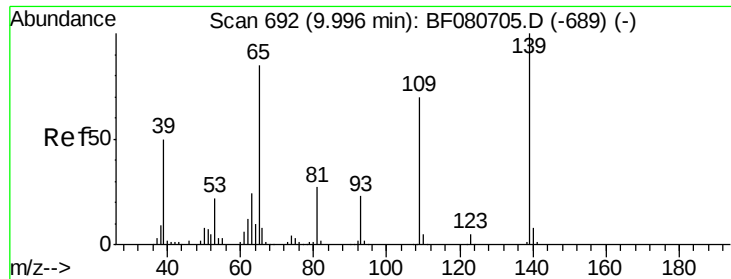
MMDadoda
7/31/2015 11:22:48 AM



#54
Dibenzofuran
Concen: 48.36 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1255453		
139	42.7	33.0	49.6	
169	14.8	11.4	17.2	





#55

4-Nitrophenol

Concen: 94.71 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

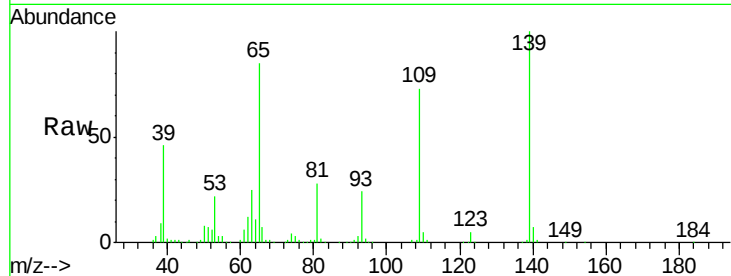
ClientSampleId :

GRID-5-(6-12)MS

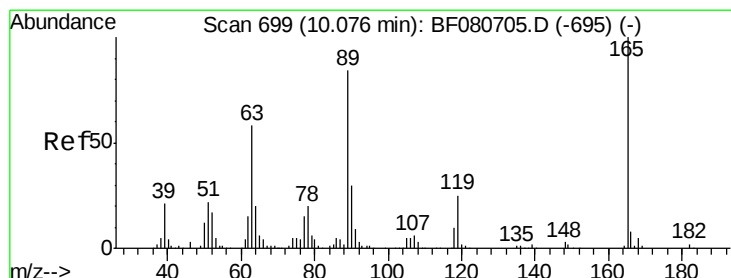
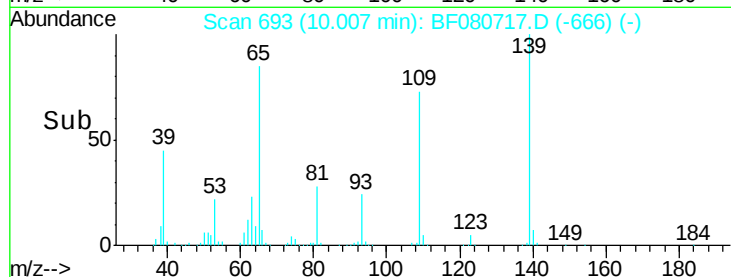
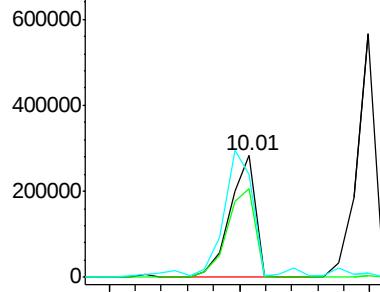
Tgt Ion:	139	Resp:	384685
Ion Ratio	Lower	Upper	
139	100		
109	72.8	50.4	90.4
65	84.9	66.1	106.1

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Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 42.82 ng

RT: 10.08 min Scan# 699

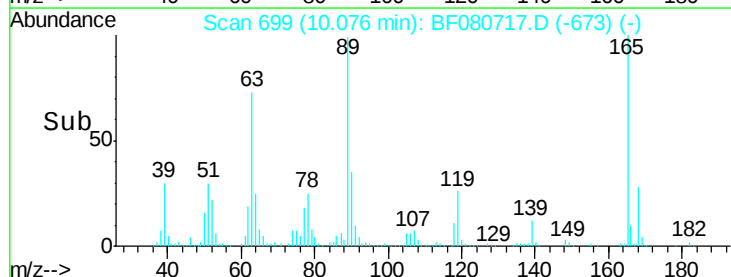
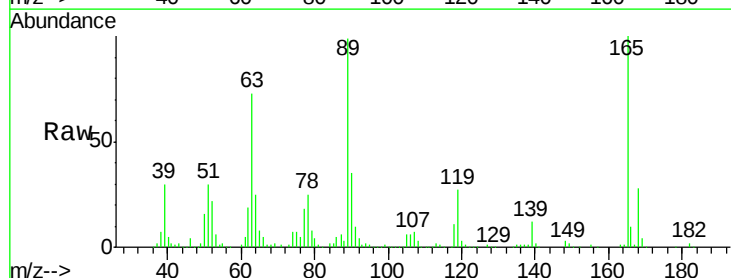
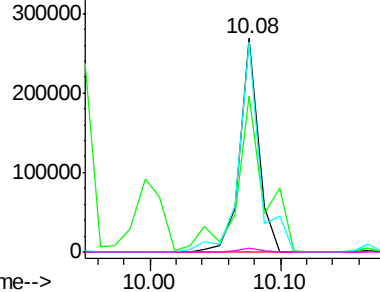
Delta R.T. -0.00 min

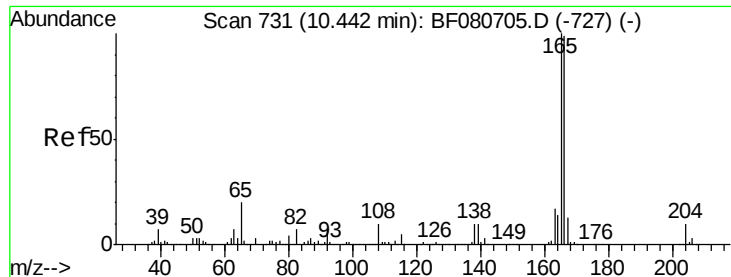
Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Tgt Ion:	165	Resp:	268299
Ion Ratio	Lower	Upper	
165	100		
63	73.4	46.7	70.1#
89	98.6	67.4	101.2
182	2.0	1.8	2.6

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
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 49.46 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF080717.D

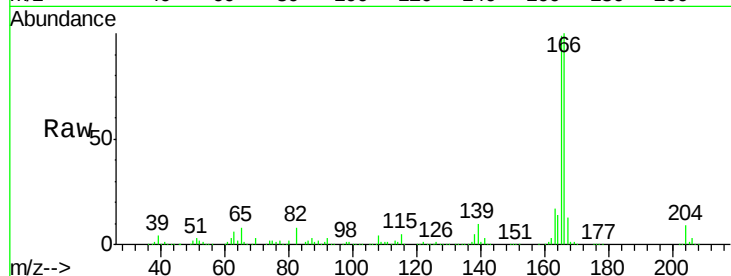
Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

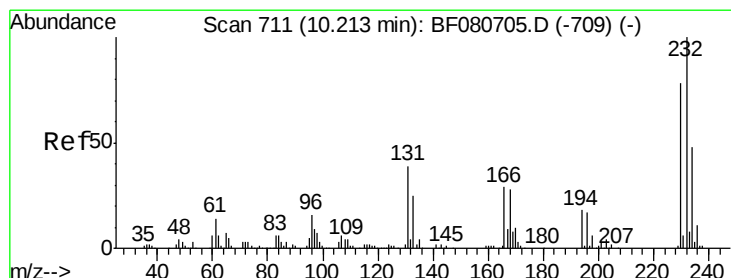
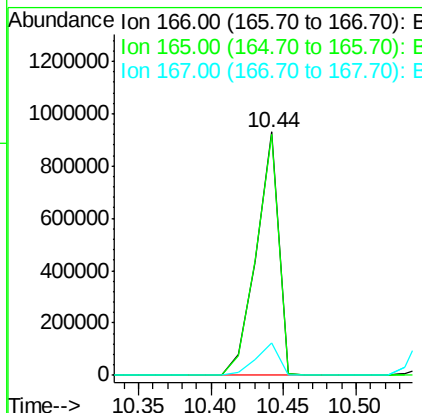
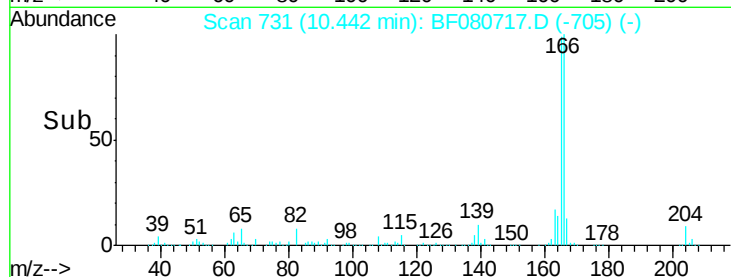
GRID-5-(6-12)MS



Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.1	81.0	121.4	
167	13.1	10.8	16.2	

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#58

2,3,4,6-Tetrachlorophenol

Concen: 50.74 ng

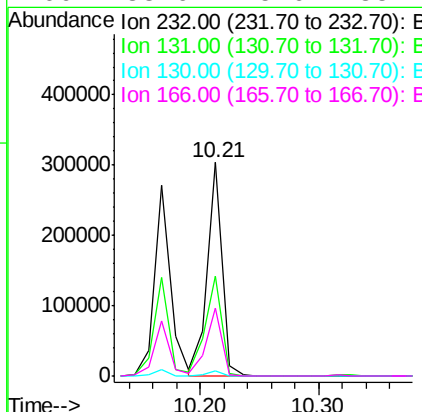
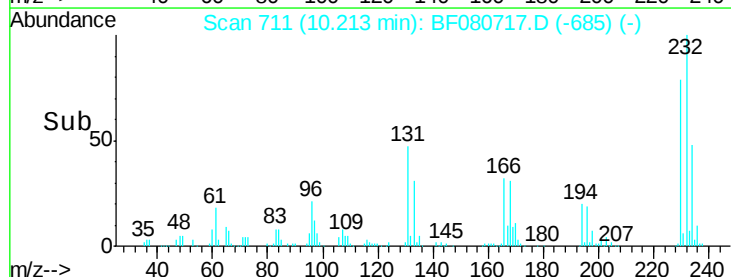
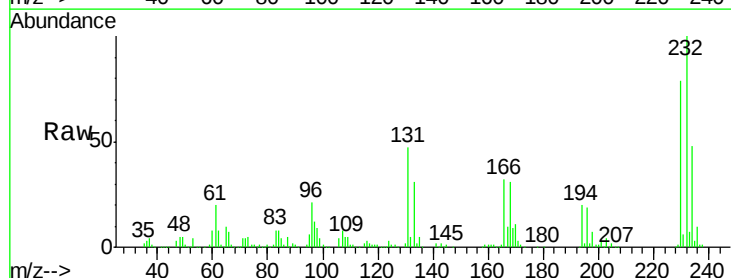
RT: 10.21 min Scan# 711

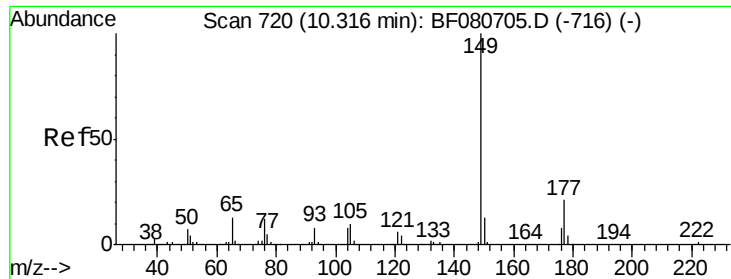
Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	51.8	38.2	57.2	
130	2.5	1.8	2.6	
166	33.6	25.6	38.4	





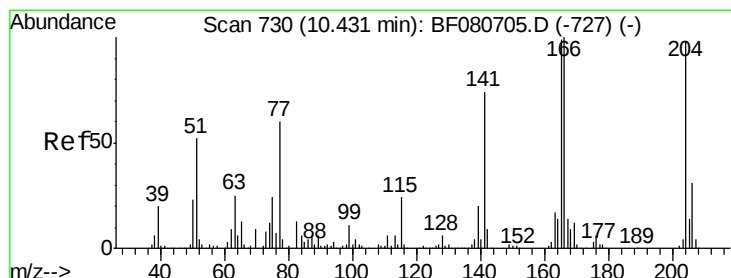
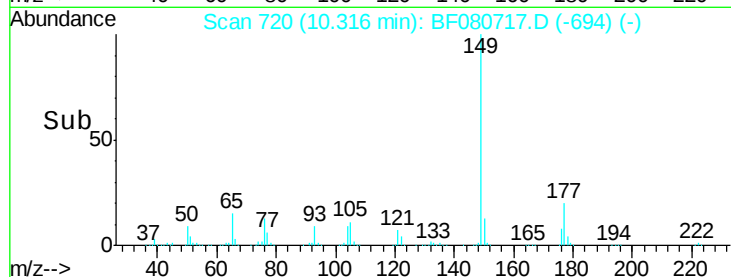
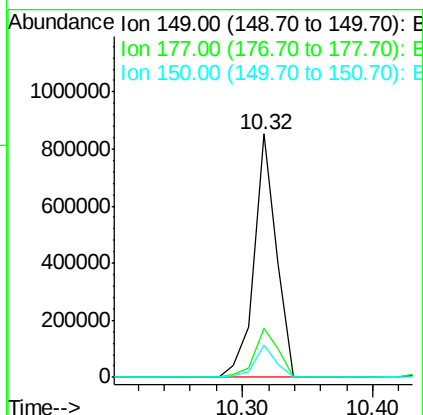
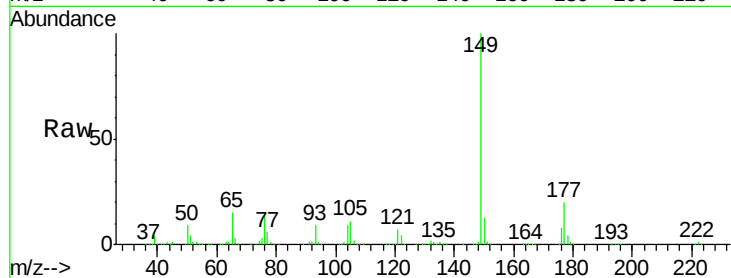
#59
Diethylphthalate
Concen: 46.57 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion:149 Resp: 1010464
Ion Ratio Lower Upper
149 100
177 20.2 16.6 25.0
150 13.2 10.2 15.4

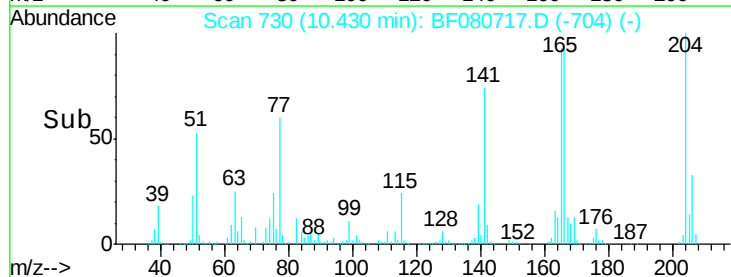
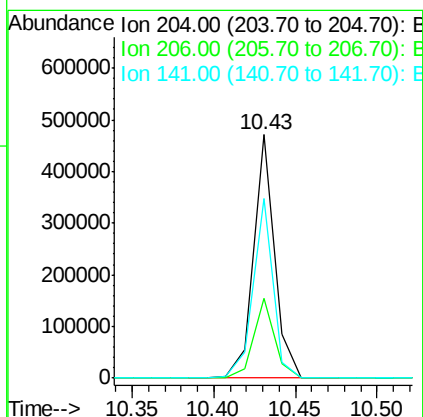
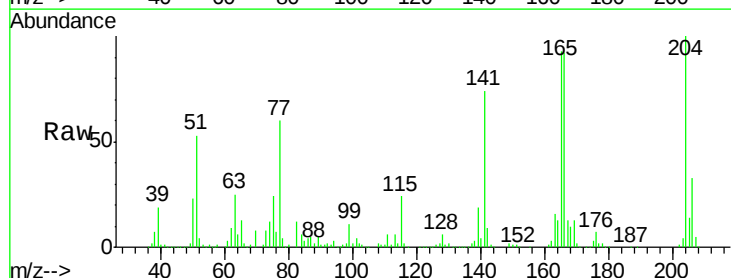
Manual Integrations
APPROVED

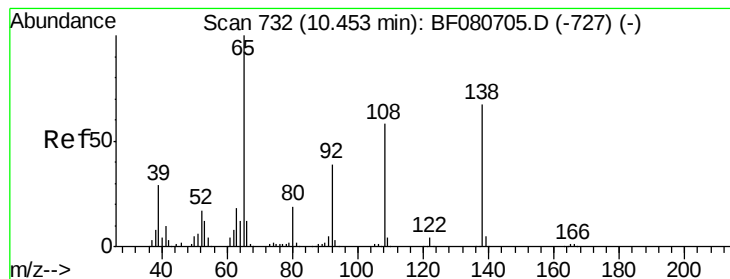
MMDadoda
7/31/2015 11:22:48 AM



#60
4-Chlorophenyl-phenylether
Concen: 48.62 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion:204 Resp: 422545
Ion Ratio Lower Upper
204 100
206 32.8 25.1 37.7
141 73.7 60.3 90.5





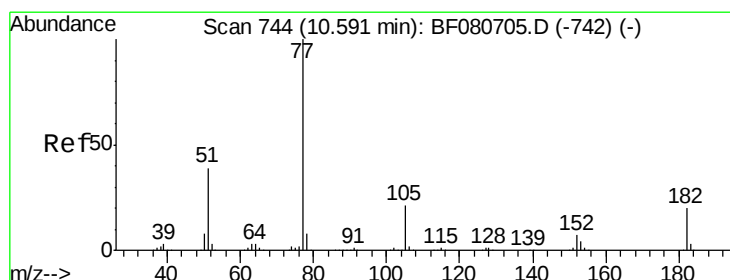
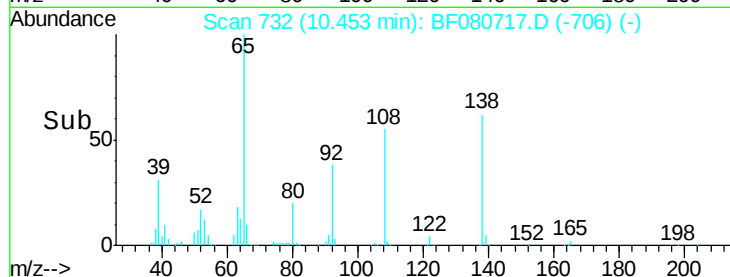
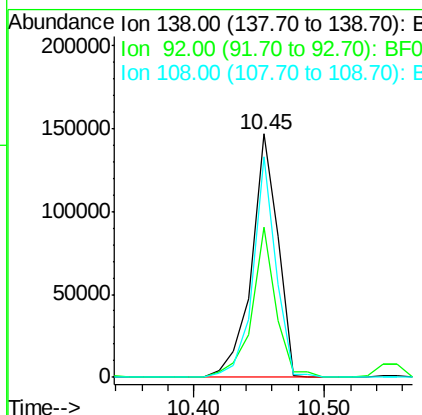
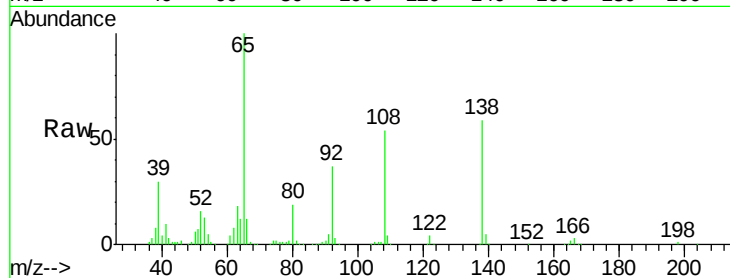
#61
4-Nitroaniline
Concen: 41.45 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	206332		
92	61.6	38.2	78.2	
108	90.8	66.3	106.3	

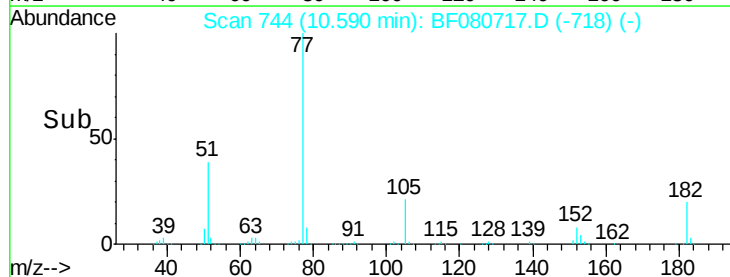
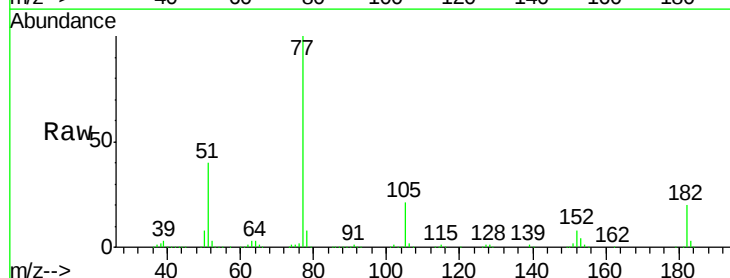
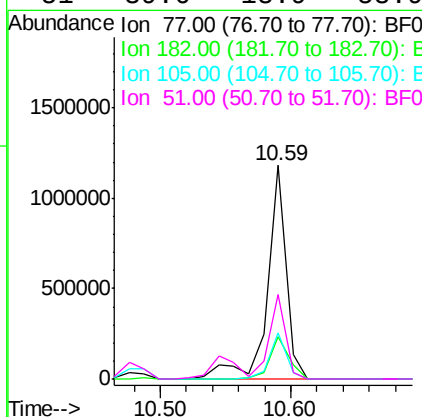
Manual Integrations
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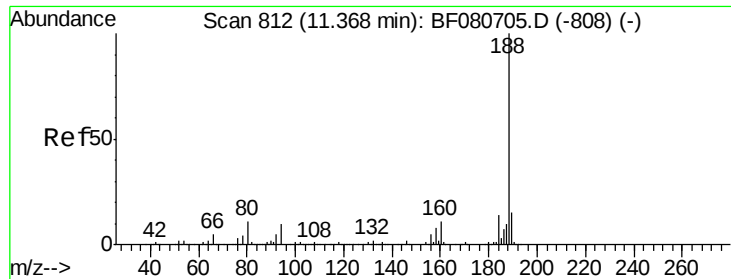
MMDadoda
7/31/2015 11:22:48 AM



#62
Azobenzene
Concen: 51.23 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1204335		
182	20.0	0.0	39.9	
105	21.4	1.1	41.1	
51	39.6	18.9	58.9	





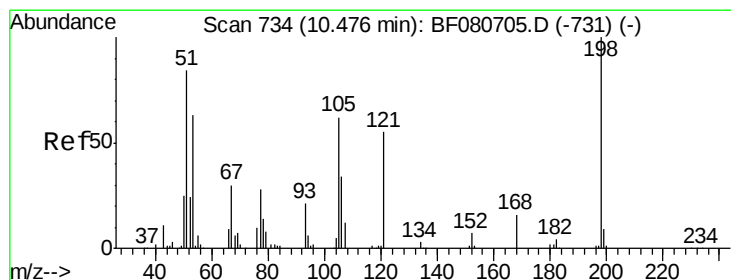
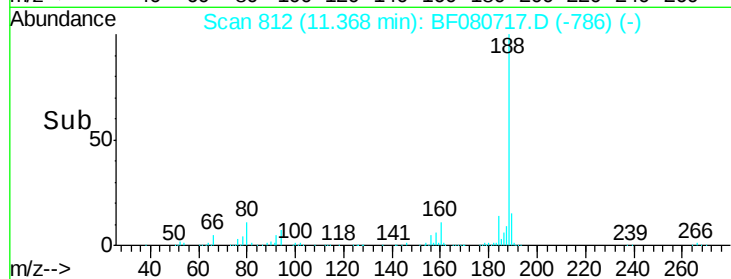
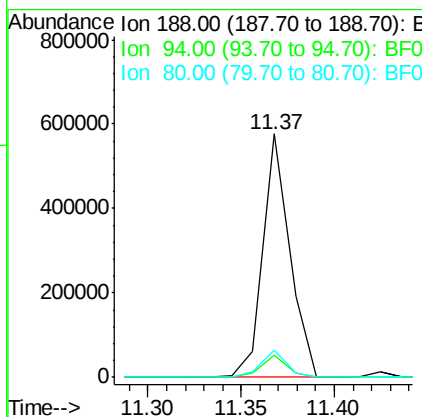
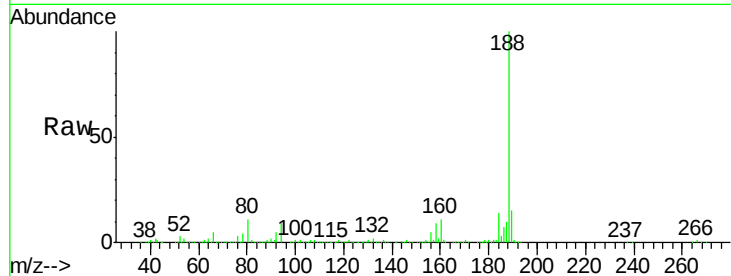
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.3	8.1	12.1
80	11.0	9.1	13.7

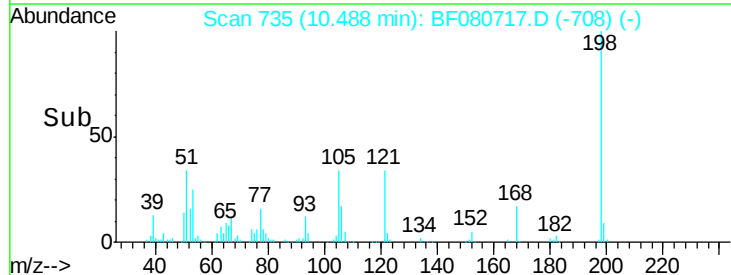
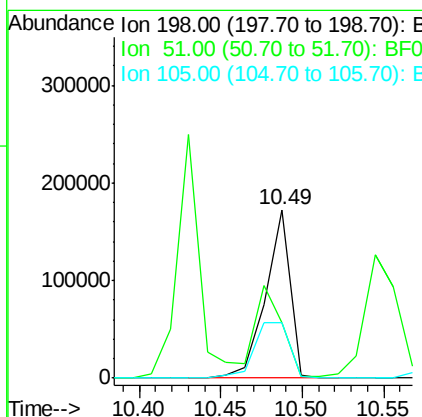
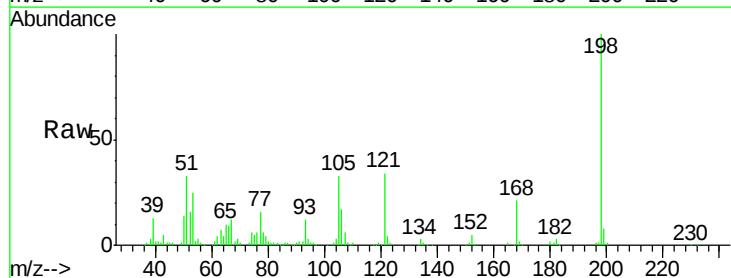
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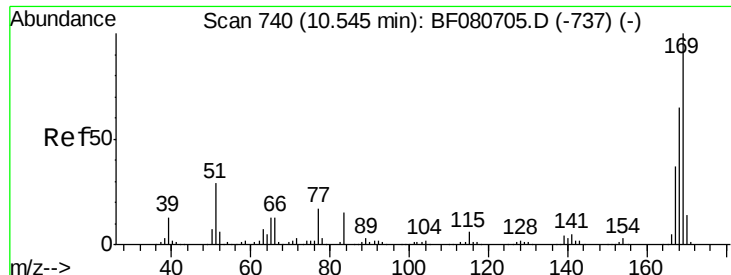
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#64
4,6-Dinitro-2-methylphenol
Concen: 52.13 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.01 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	33.3	84.6	124.6#
105	33.3	43.0	83.0#





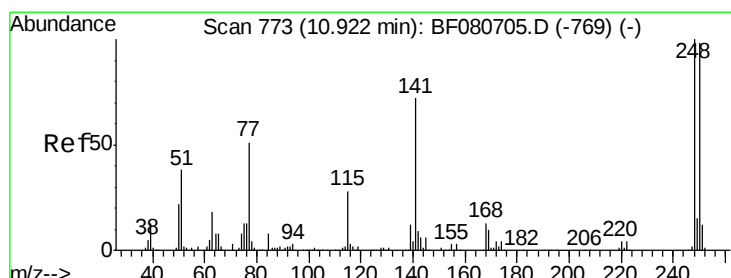
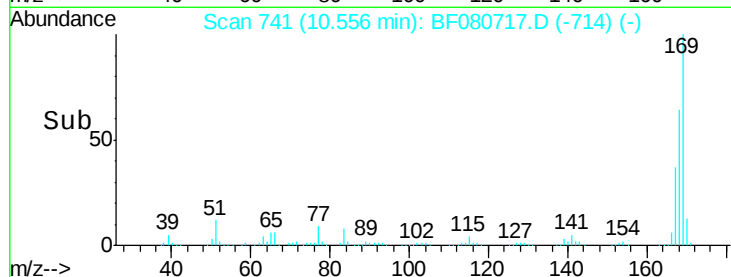
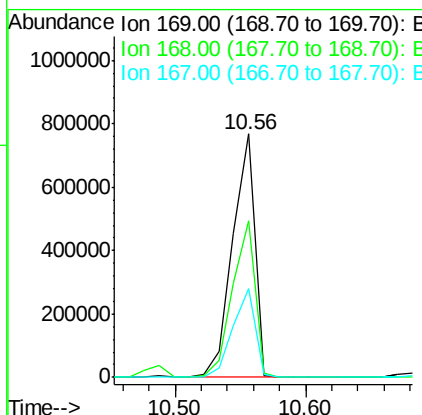
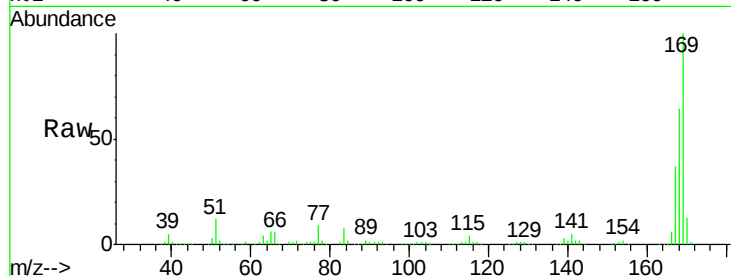
#65
n-Nitrosodiphenylamine
Concen: 48.00 ng
RT: 10.56 min Scan# 741
Delta R.T. 0.01 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	905646		
168	64.2	52.1	78.1	
167	36.5	29.3	43.9	

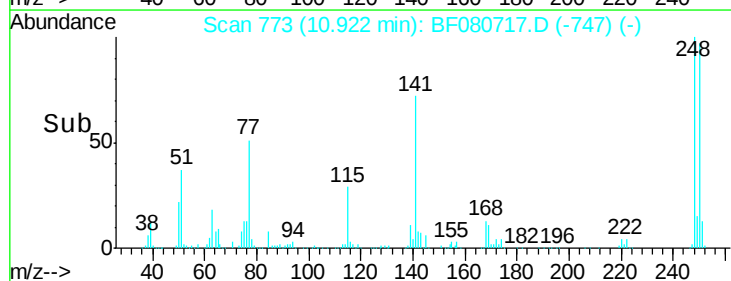
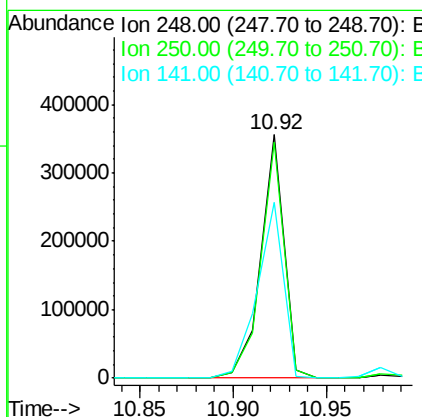
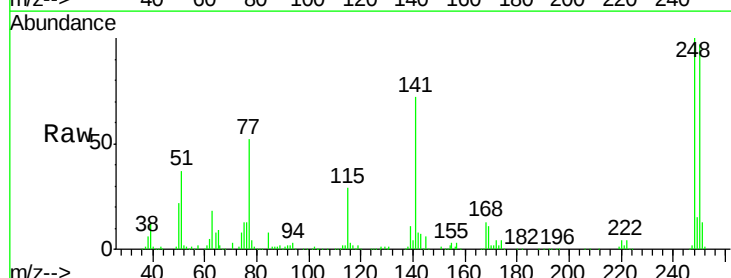
Manual Integrations
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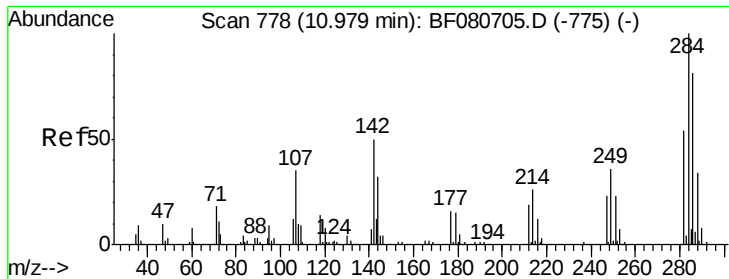
MMDadoda
7/31/2015 11:22:48 AM



#66
4-Bromophenyl-phenylether
Concen: 51.37 ng
RT: 10.92 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	305155		
250	96.9	78.4	117.6	
141	72.2	57.5	86.3	





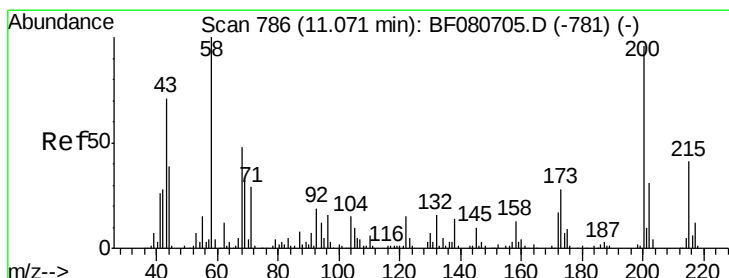
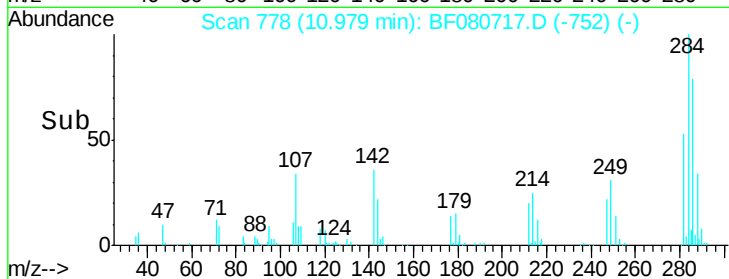
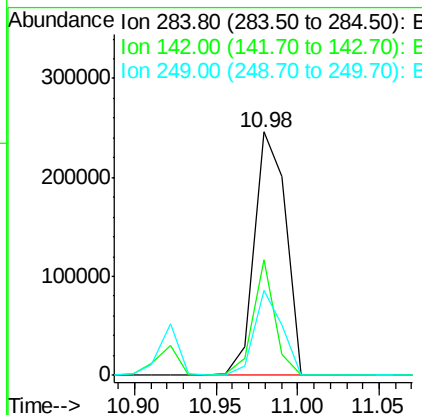
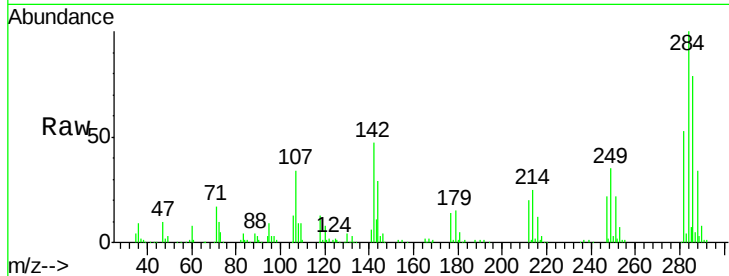
#67
Hexachlorobenzene
Concen: 47.77 ng
RT: 10.98 min Scan# 778
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	47.3	39.8	59.6
249	34.8	28.7	43.1

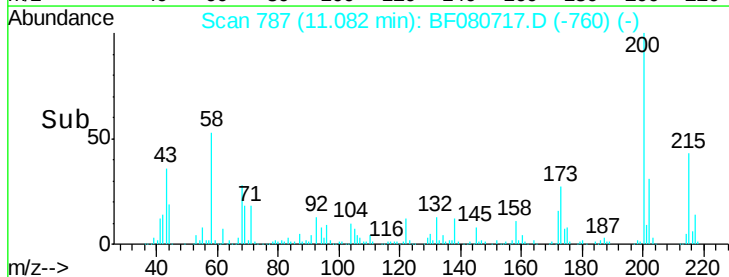
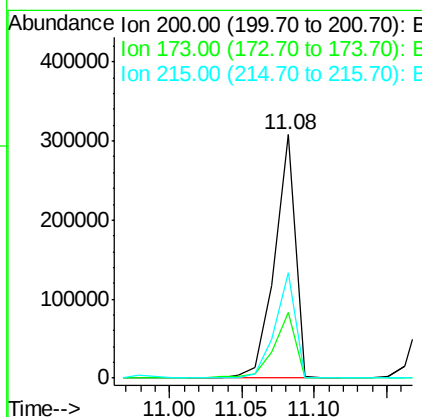
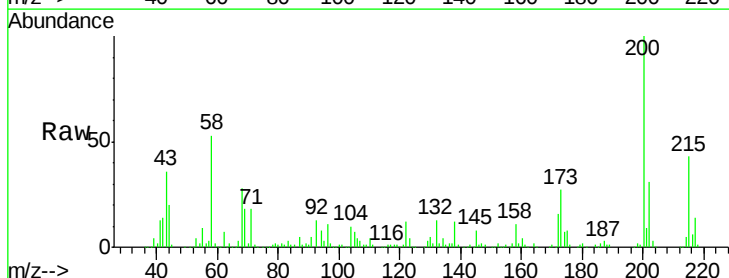
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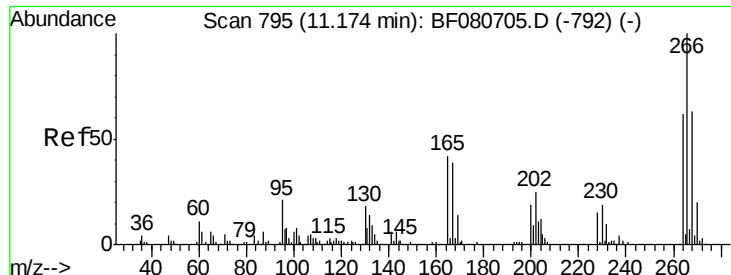
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#68
Atrazine
Concen: Below Cal
RT: 11.08 min Scan# 787
Delta R.T. 0.01 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.2	8.6	48.6
215	43.5	22.2	62.2





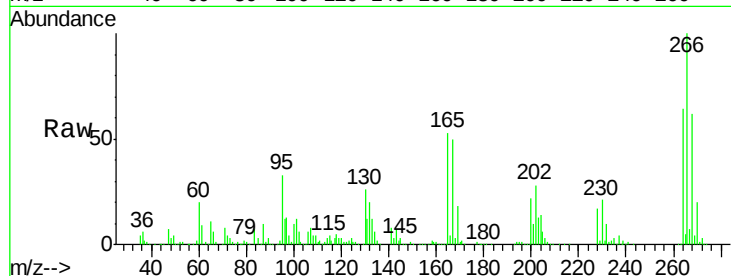
#69
 Pentachlorophenol
 Concen: 87.31 ng
 RT: 11.17 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

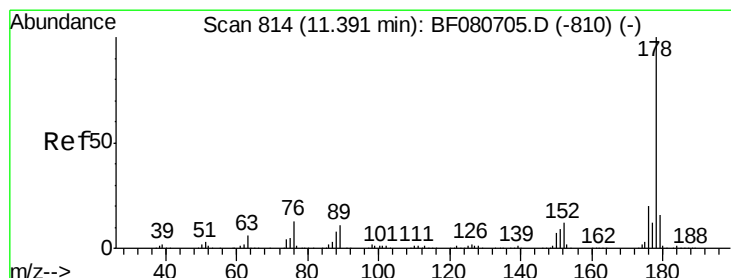
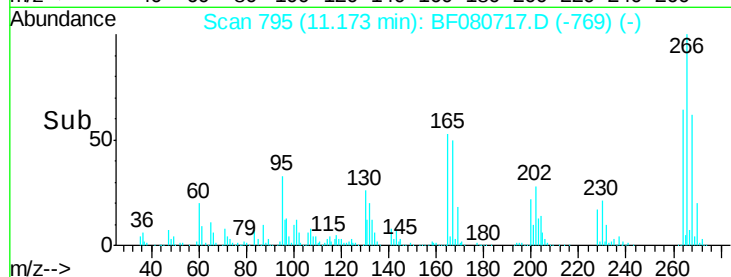
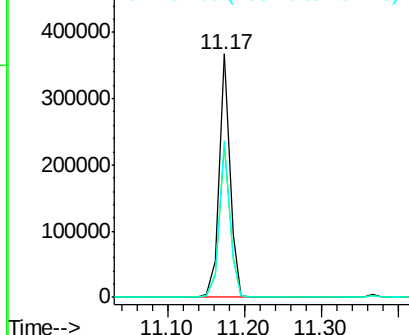
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	362917		
268	62.0	50.5	75.7	
264	64.1	50.0	75.0	

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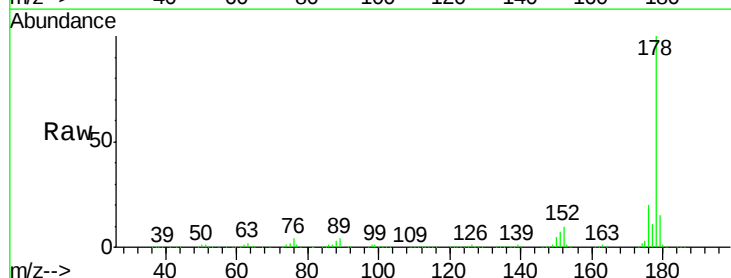


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

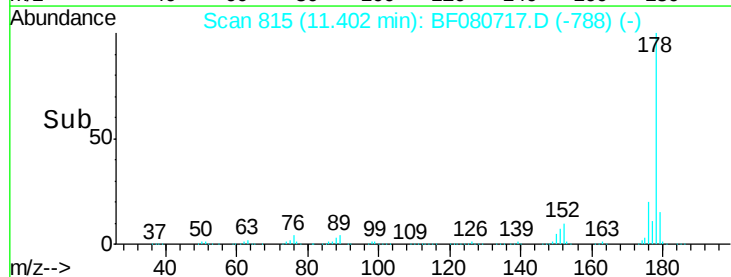
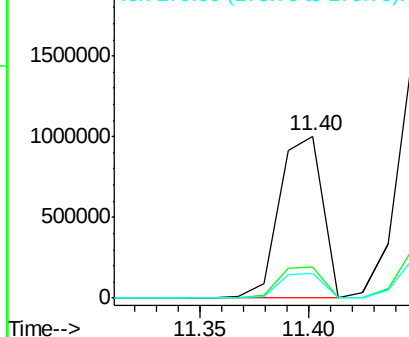


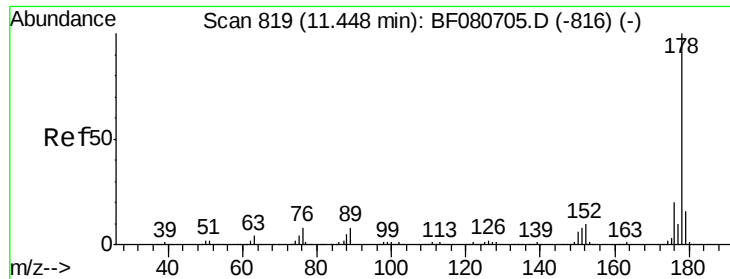
#70
 Phenanthrene
 Concen: 47.83 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.01 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1386930		
176	19.5	16.2	24.4	
179	15.4	13.0	19.4	



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





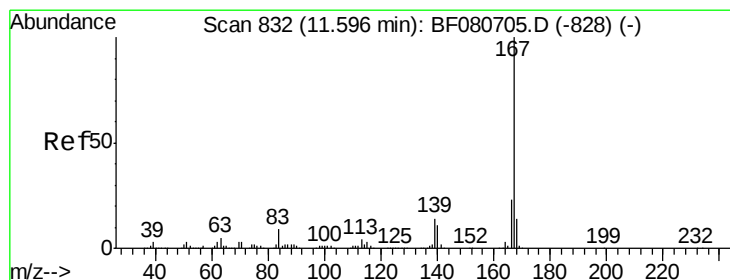
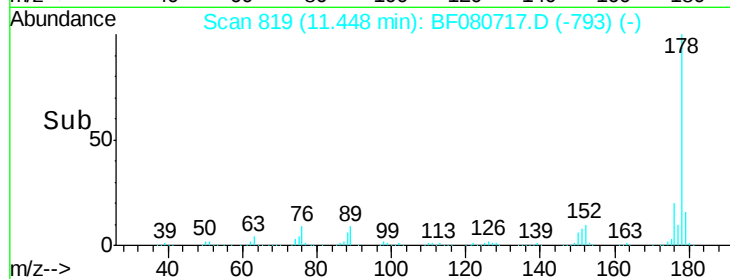
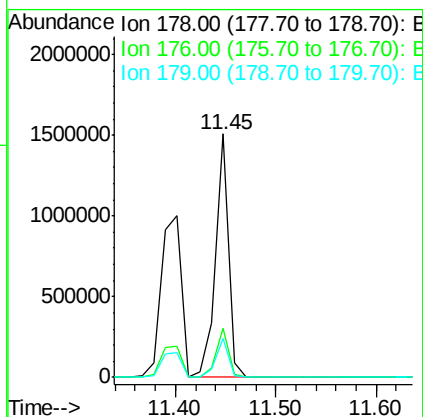
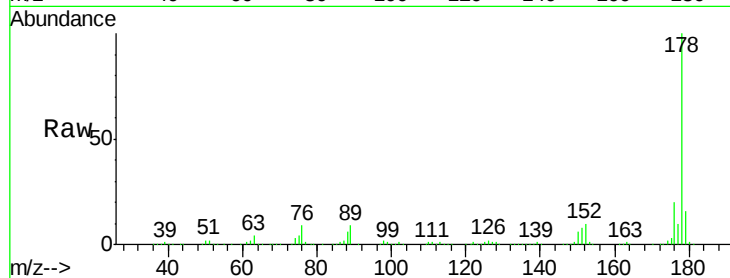
#71
 Anthracene
 Concen: 47.38 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.9	12.7	19.1

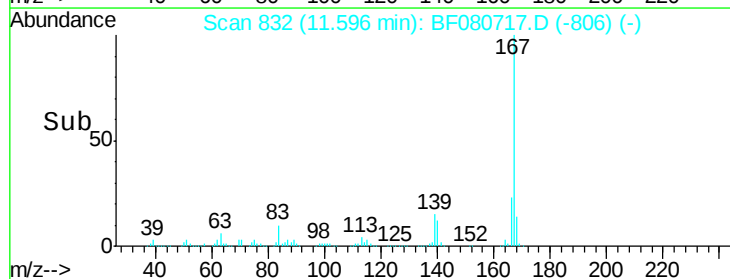
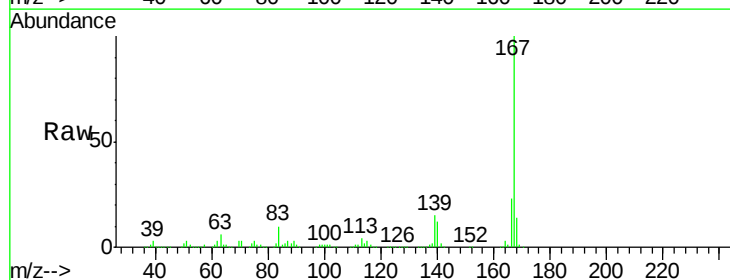
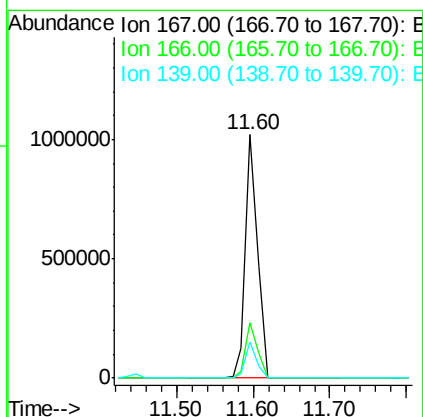
Manual Integrations
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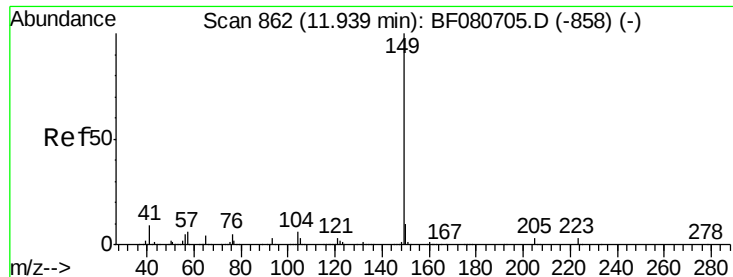
MMDadoda
 7/31/2015 11:22:48 AM



#72
 Carbazole
 Concen: 45.23 ng
 RT: 11.60 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.2	27.4
139	14.8	11.5	17.3





#73

Di-n-butylphthalate

Concen: 52.87 ng

RT: 11.94 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

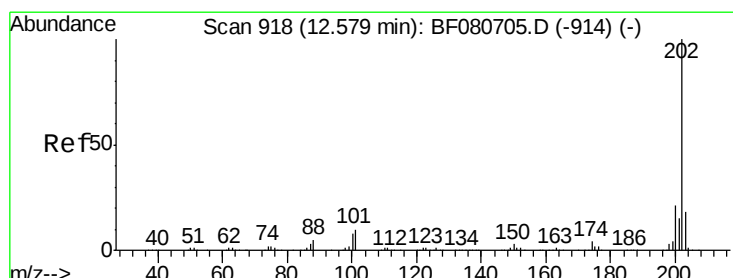
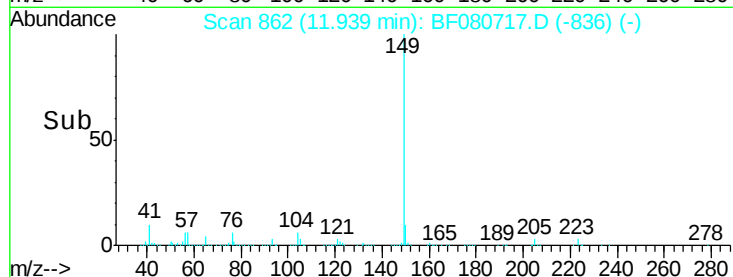
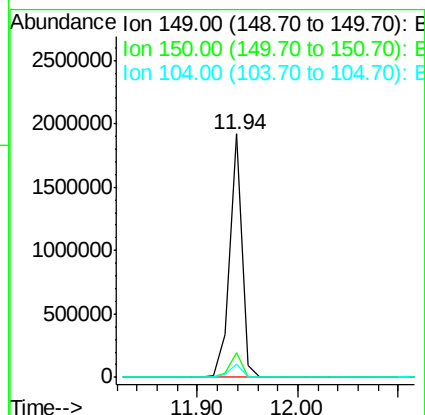
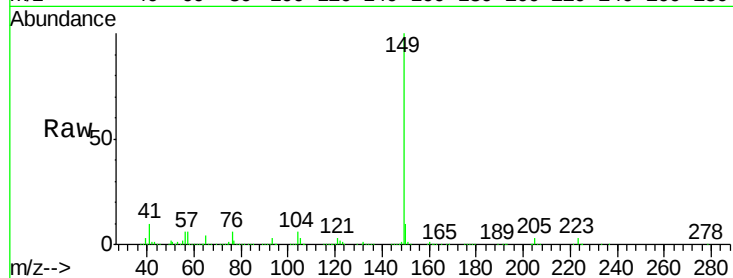
GRID-5-(6-12)MS

Manual Integrations
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Tgt Ion:	149	Resp:	1621036
Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.6	11.4
104	5.7	4.4	6.6



#74

Fluoranthene

Concen: 47.51 ng

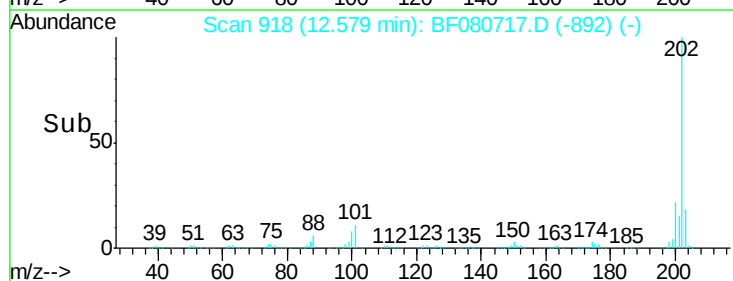
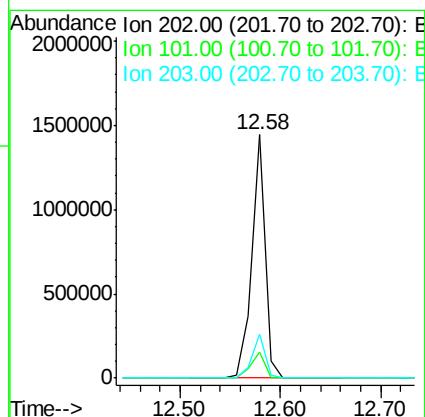
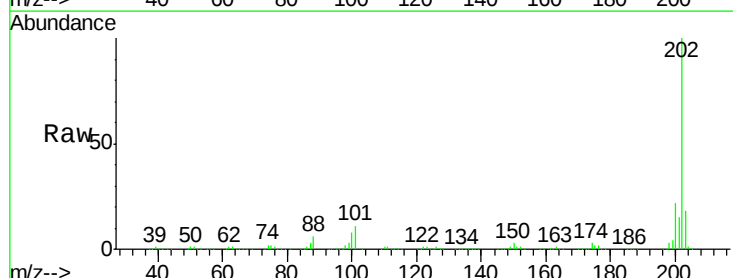
RT: 12.58 min Scan# 918

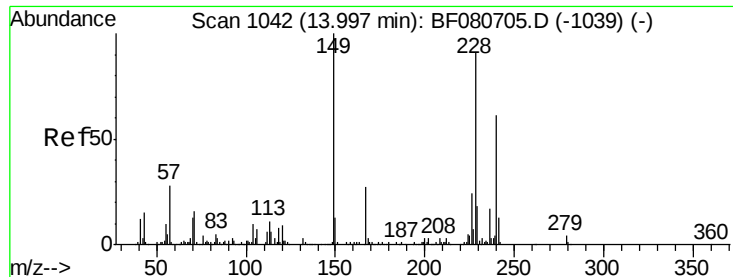
Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Tgt Ion:	202	Resp:	1331872
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	29.6
203	17.9	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

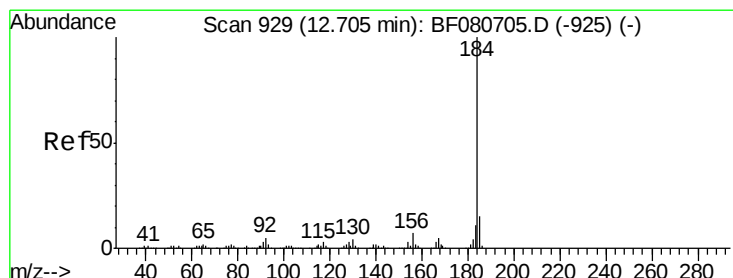
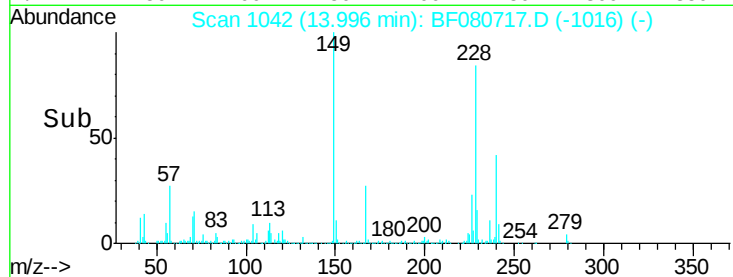
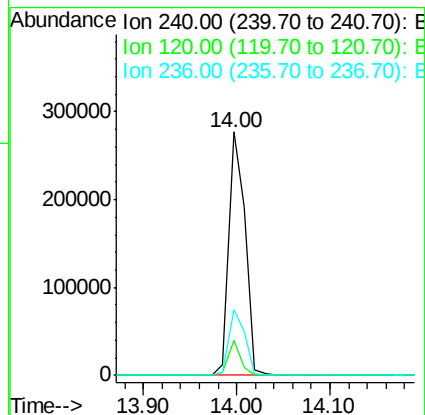
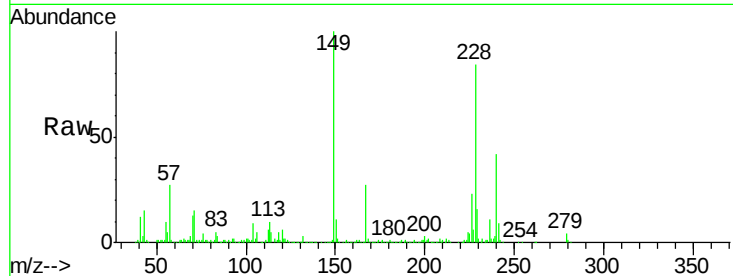
ClientSampleId :

GRID-5-(6-12)MS

Tgt Ion:	240	Resp:	337777
Ion Ratio	Lower	Upper	
240	100		
120	14.6	11.8	17.8
236	26.8	21.8	32.8

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#76

Benzidine

Concen: 3.03 ng

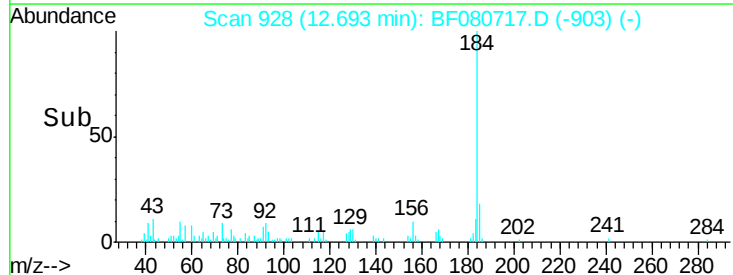
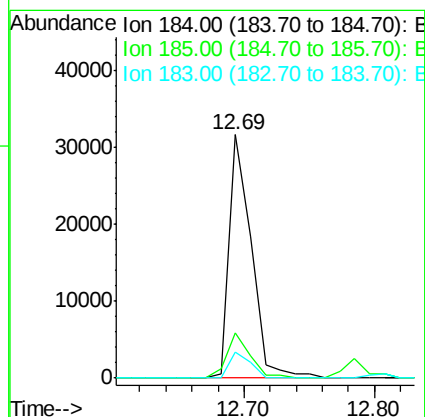
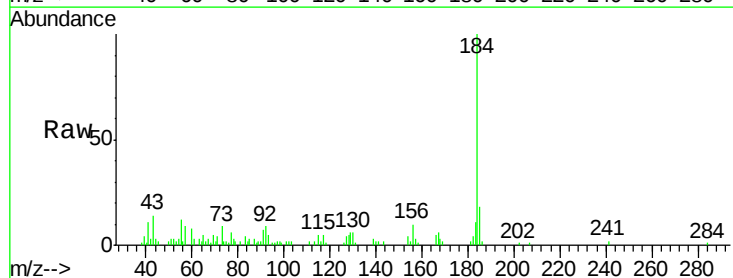
RT: 12.69 min Scan# 928

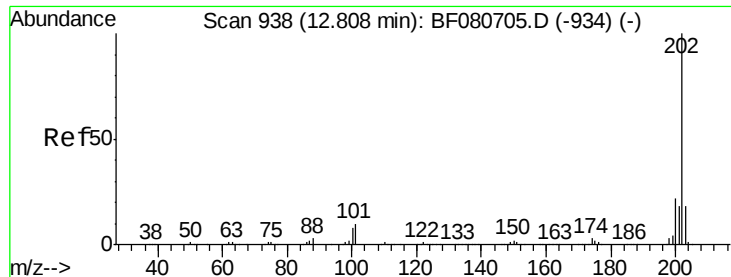
Delta R.T. -0.01 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Tgt Ion:	184	Resp:	37251
Ion Ratio	Lower	Upper	
184	100		
185	18.3	12.0	18.0#
183	10.6	9.1	13.7





#77

Pyrene

Concen: 53.65 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF080717.D

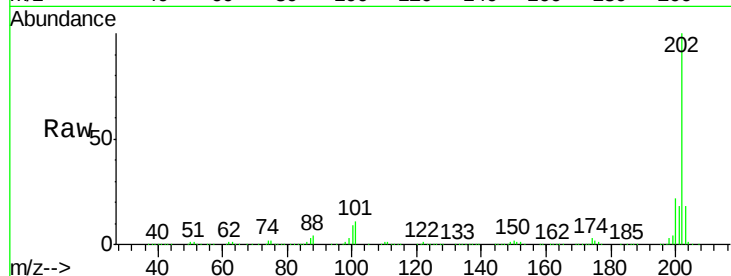
Acq: 31 Jul 2015 4:01

Instrument :

BNA_F

ClientSampleId :

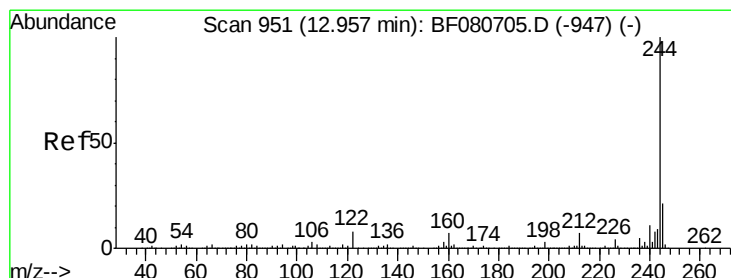
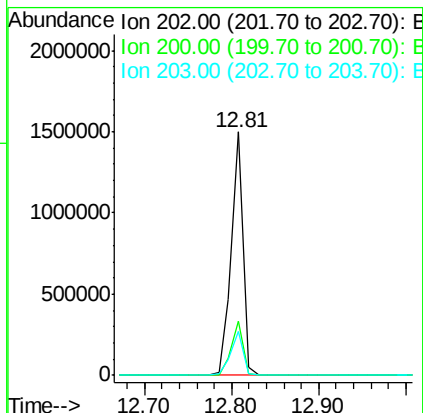
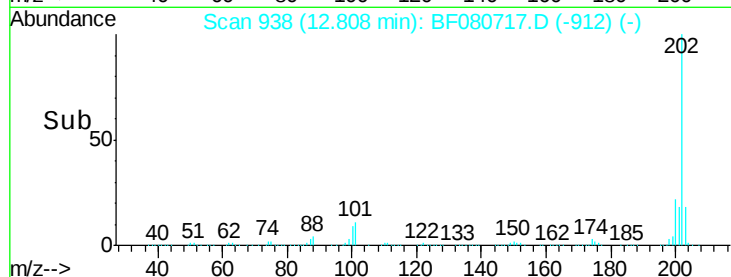
GRID-5-(6-12)MS



Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	18.0	14.2	21.2

Manual Integrations
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#78

Terphenyl-d14

Concen: 96.66 ng

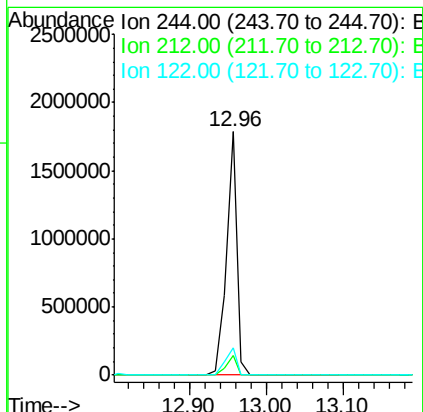
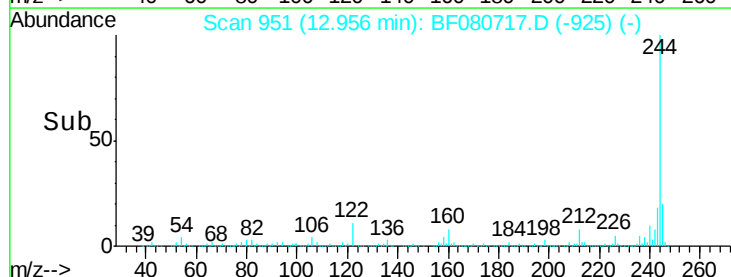
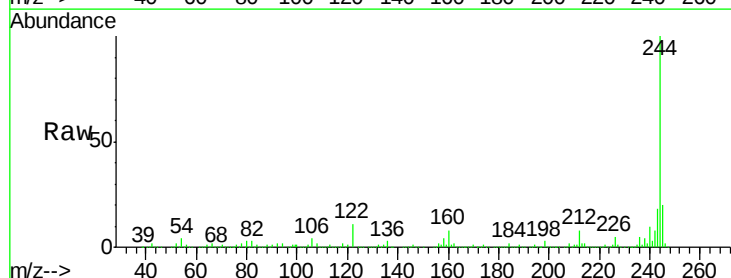
RT: 12.96 min Scan# 951

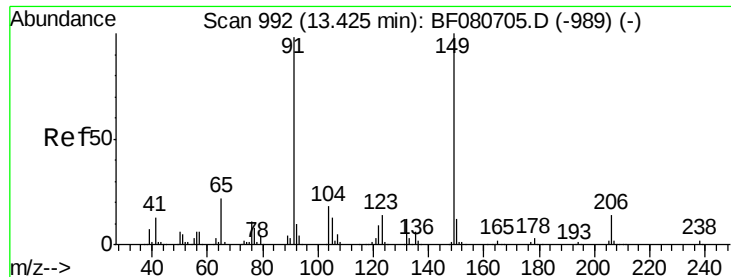
Delta R.T. -0.00 min

Lab File: BF080717.D

Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.9	8.9
122	11.0	6.6	9.8#





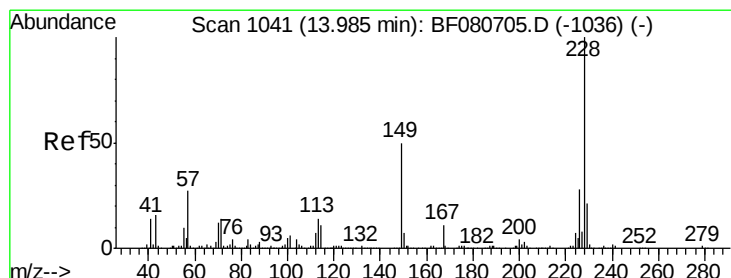
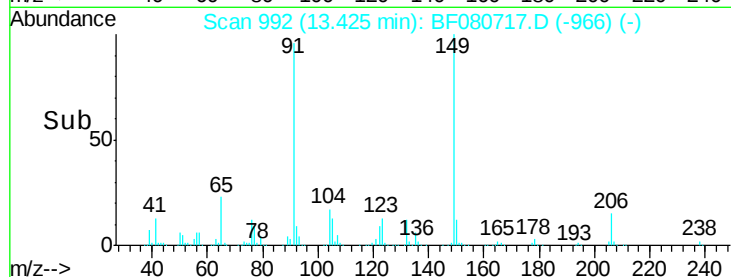
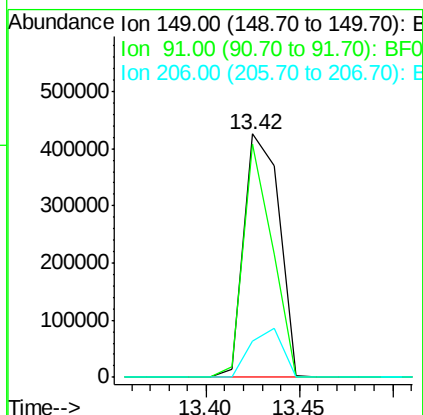
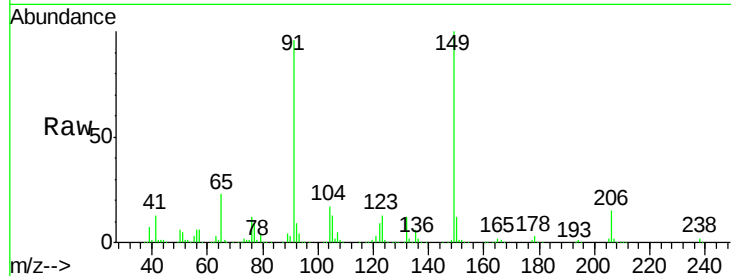
#79
Butylbenzylphthalate
Concen: 51.13 ng
RT: 13.42 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Lower	Upper
149	100		
91	96.0	78.6	118.0
206	15.1	11.4	17.2

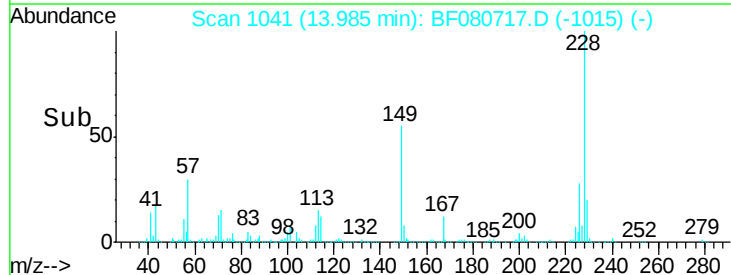
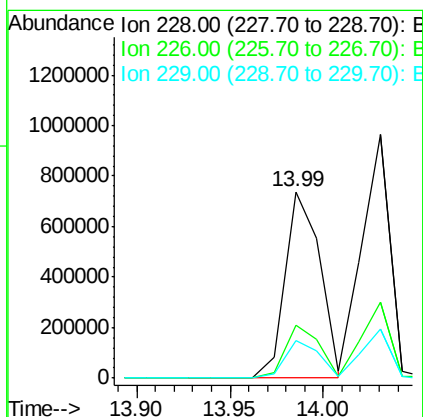
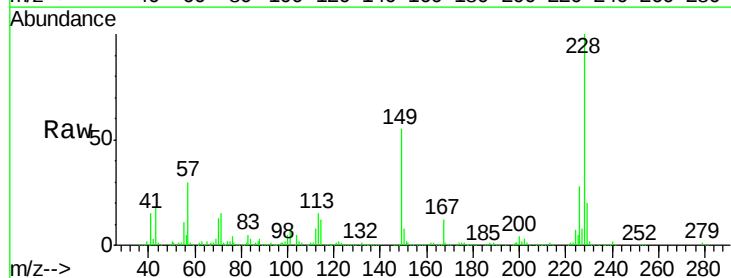
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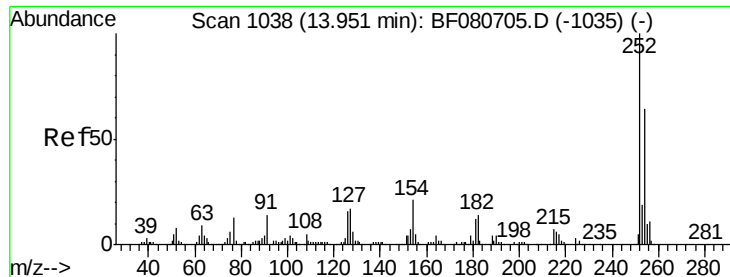
MMDadoda
7/31/2015 11:22:48 AM



#80
Benzo(a)anthracene
Concen: 47.32 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.0	16.6	25.0





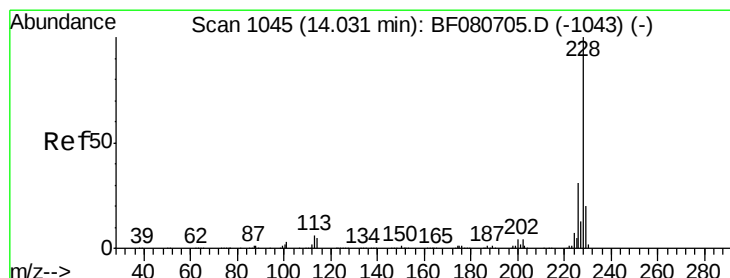
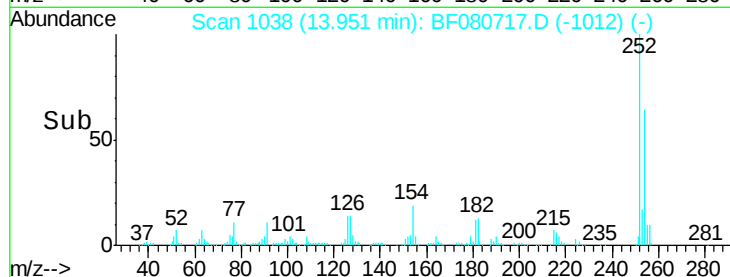
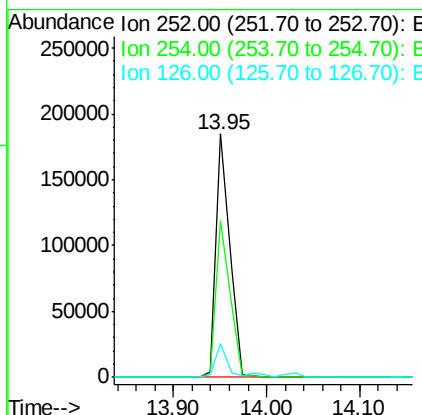
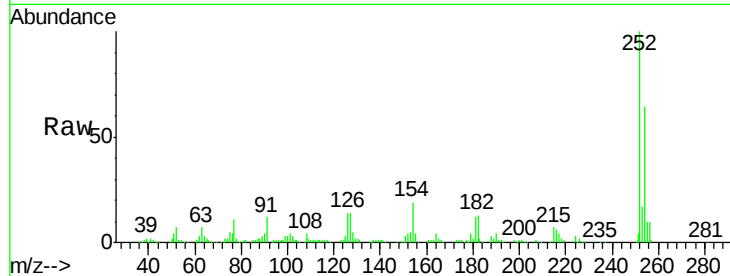
#81
 3,3'-Dichlorobenzidine
 Concen: 27.34 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.2	51.0	76.4
126	13.9	13.2	19.8

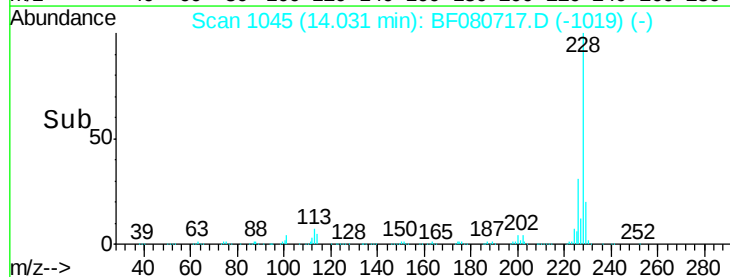
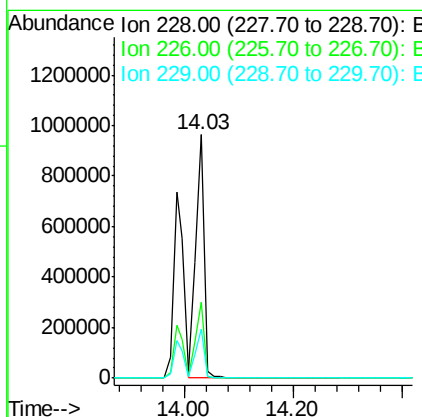
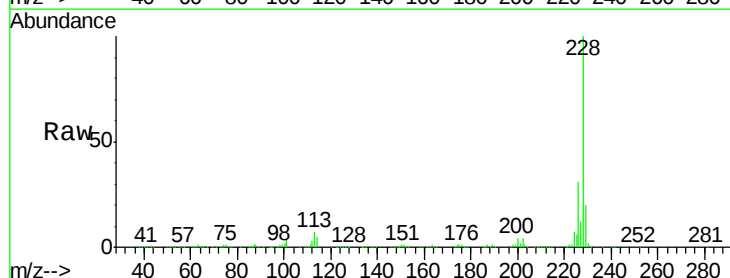
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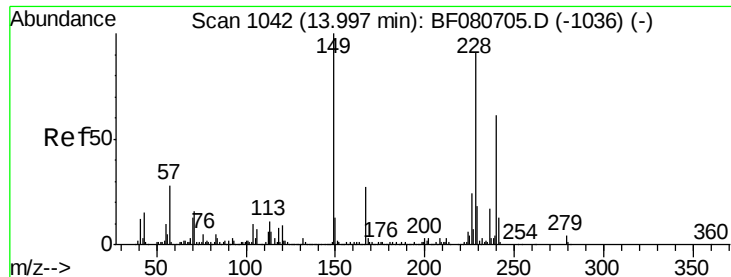
MMDadoda
 7/31/2015 11:22:48 AM



#82
 Chrysene
 Concen: 51.32 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.4	25.1	37.7
229	20.3	15.8	23.8





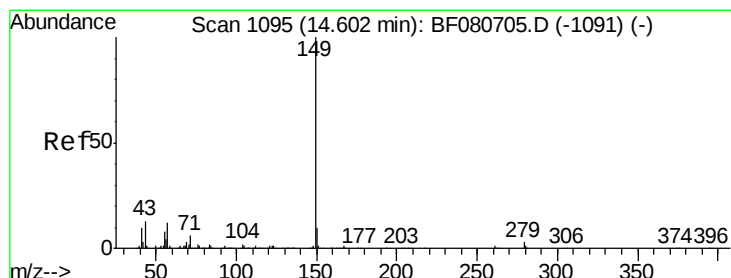
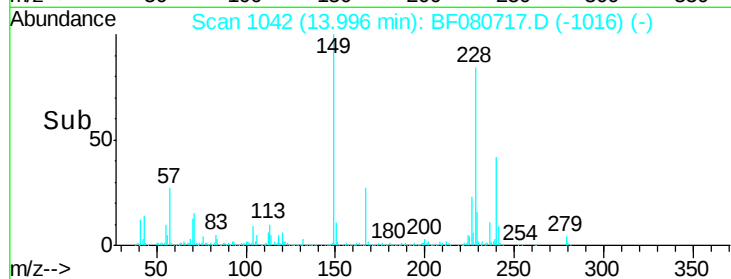
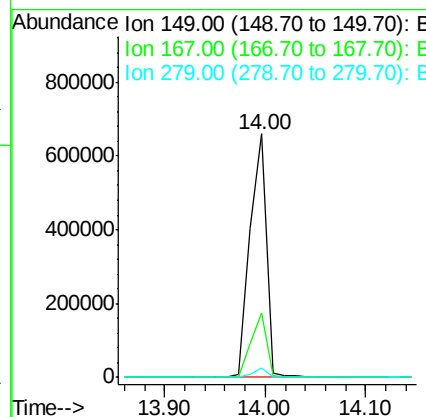
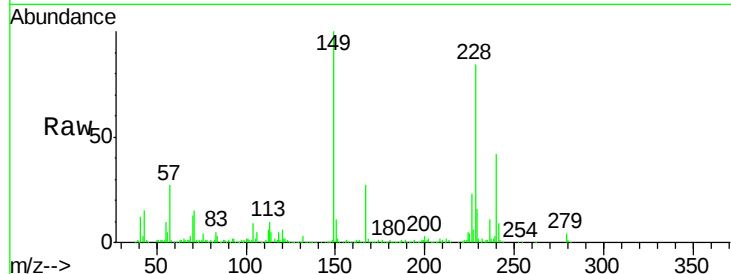
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 57.29 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	747203		
167	26.6	21.8	32.8	
279	4.0	3.4	5.0	

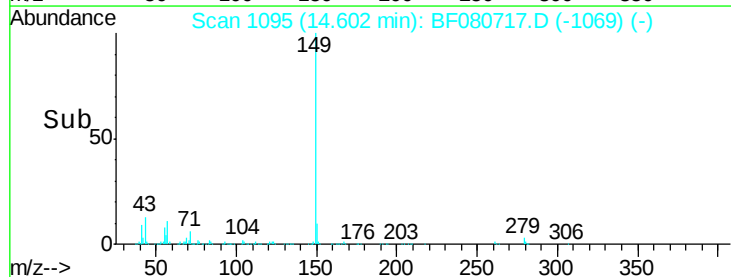
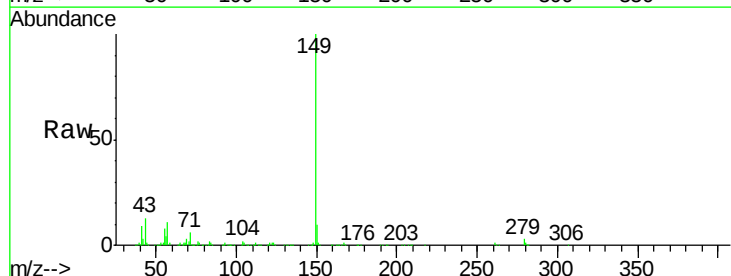
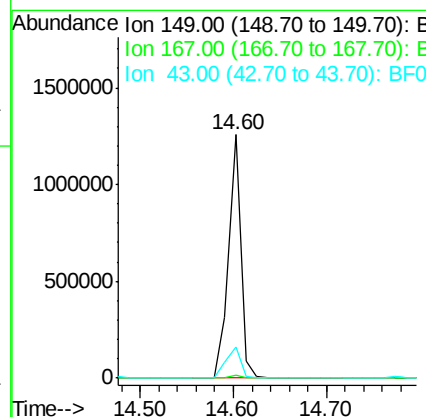
Manual Integrations
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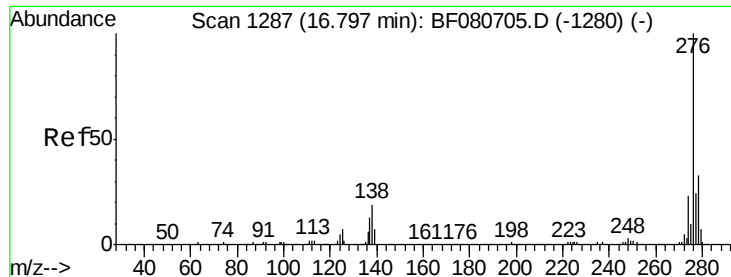
MMDadoda
 7/31/2015 11:22:48 AM



#84
 Di-n-octyl phthalate
 Concen: 52.78 ng
 RT: 14.60 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1154262		
167	1.4	1.1	1.7	
43	14.9	12.2	18.4	





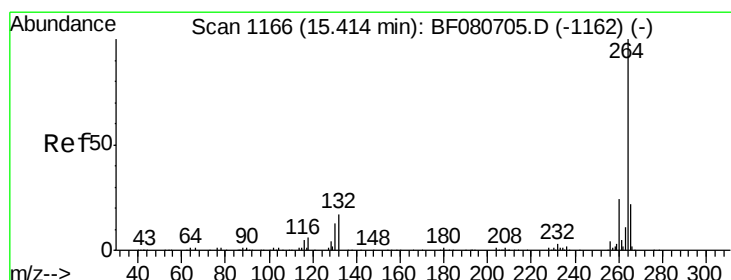
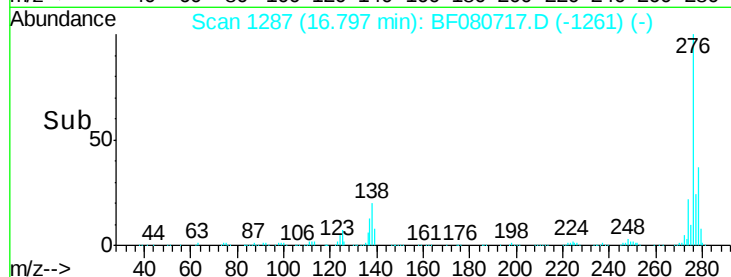
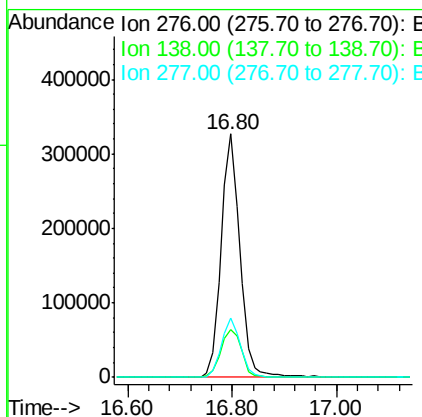
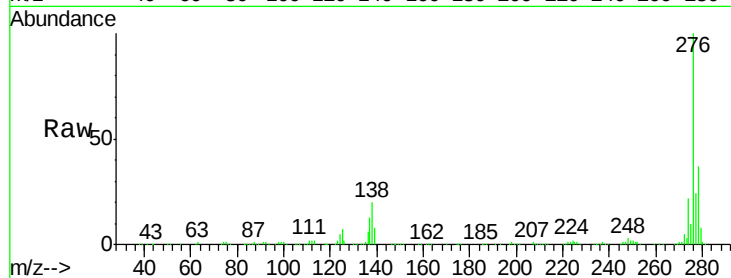
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 45.93 ng
 RT: 16.80 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	13.2	19.8
277	24.9	15.4	23.2

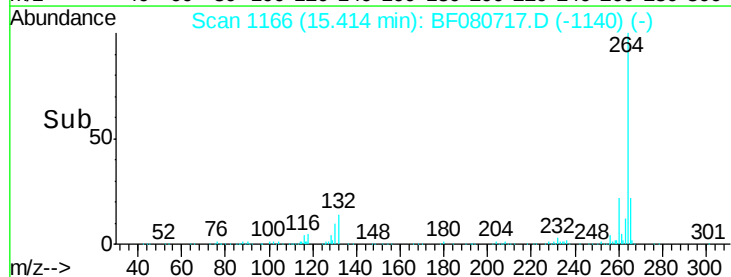
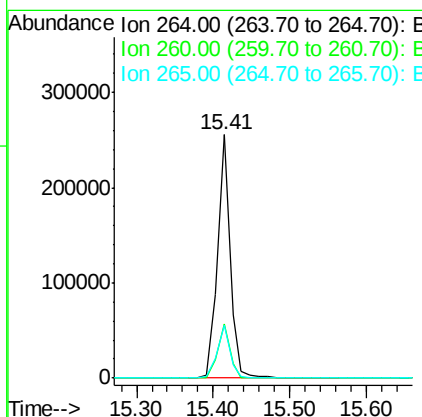
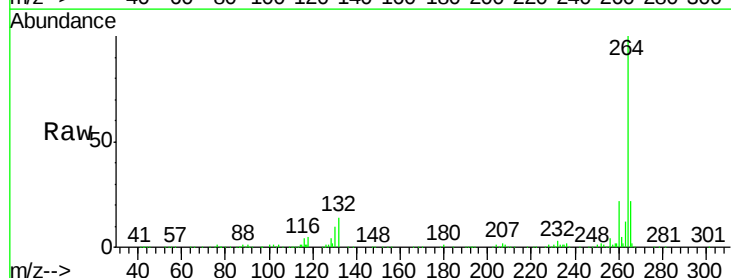
Manual Integrations
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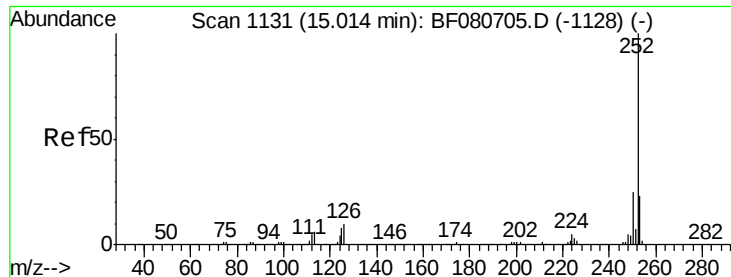
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.4	29.0
265	21.7	17.3	25.9





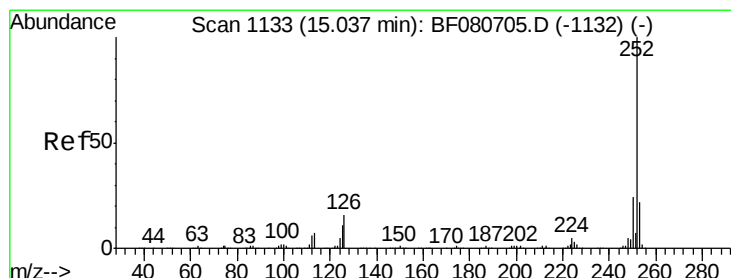
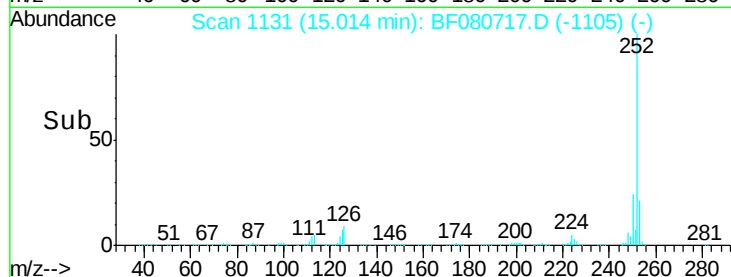
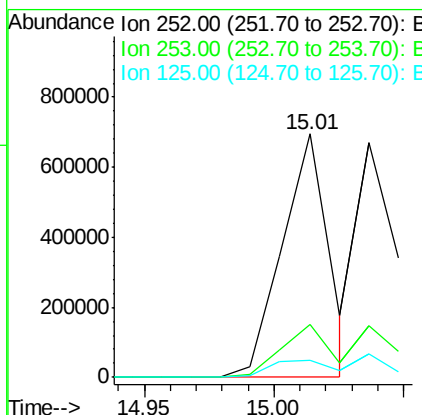
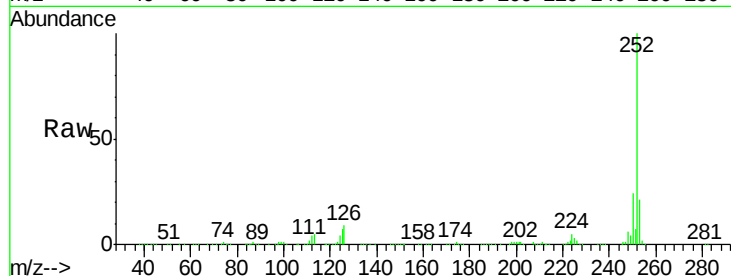
#87
Benzo(b)fluoranthene
Concen: 48.68 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	7.0	6.2	9.2

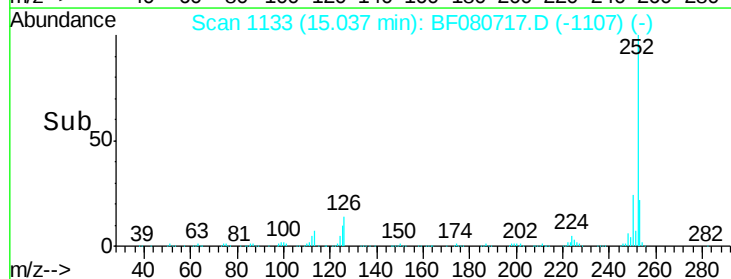
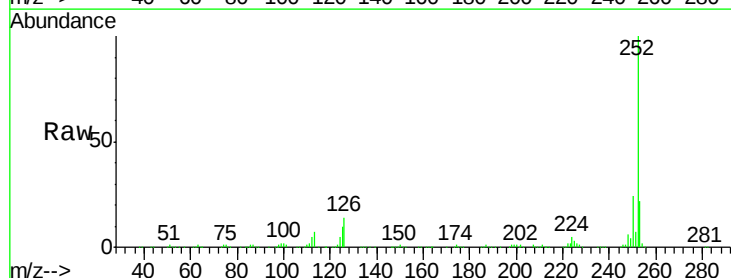
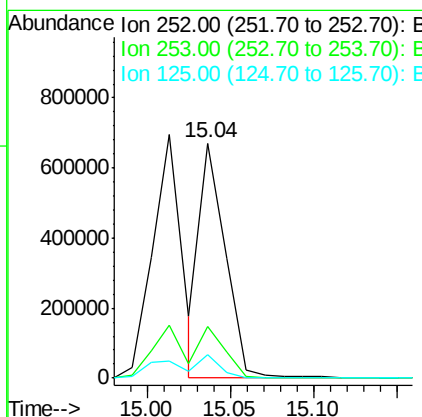
Manual Integrations
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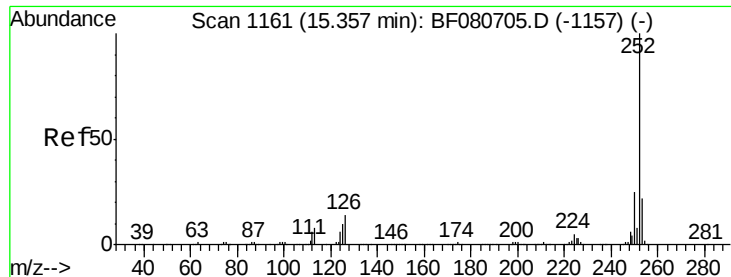
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#88
Benzo(k)fluoranthene
Concen: 50.17 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.1	9.0	13.4





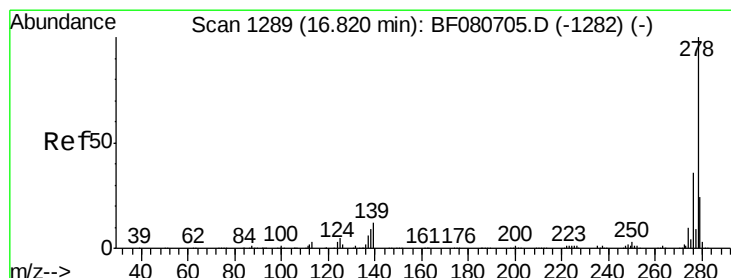
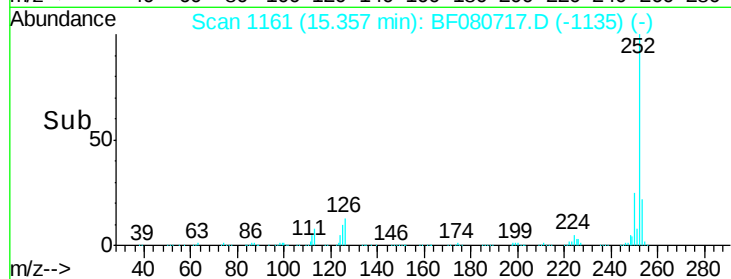
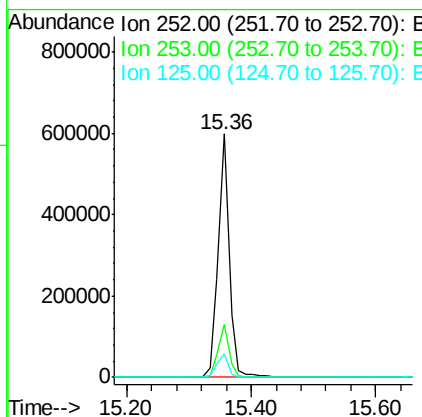
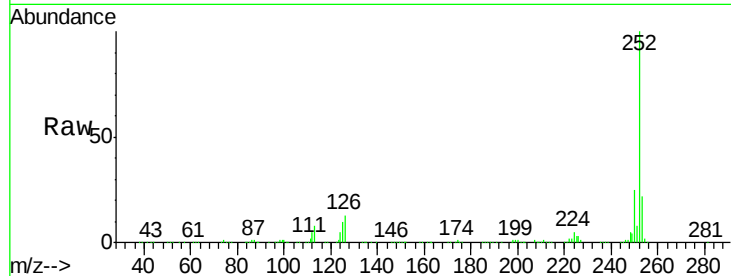
#89
Benzo(a)pyrene
Concen: 49.88 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.7	17.2	25.8
125	9.6	8.2	12.4

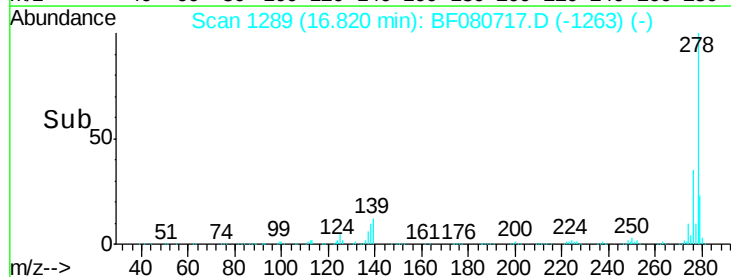
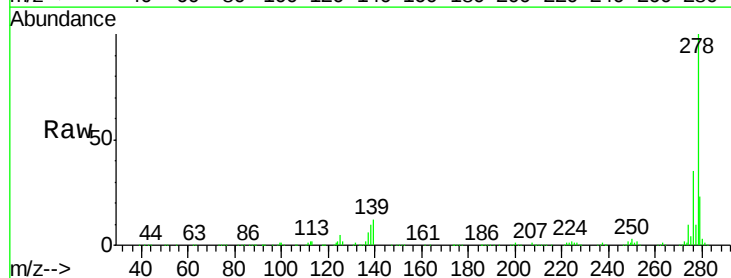
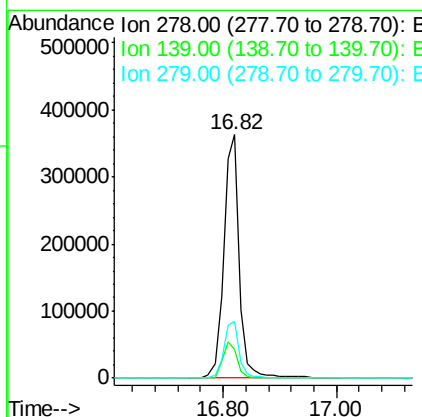
Manual Integrations
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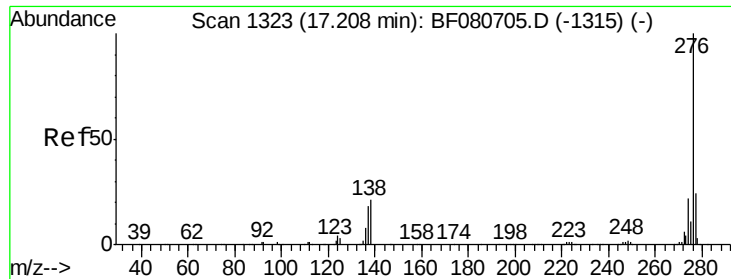
MMDadoda
7/31/2015 11:22:48 AM



#90
Dibenzo(a,h)anthracene
Concen: 53.38 ng
RT: 16.82 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BF080717.D
Acq: 31 Jul 2015 4:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	11.9	9.8	14.8
279	23.4	19.4	29.2





#91
 Benzo(g,h,i)perylene
 Concen: 57.03 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: BF080717.D
 Acq: 31 Jul 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)MS

Tgt Ion:	276	Resp:	725795
Ion Ratio		Lower	Upper
276	100		
277	23.2	18.9	28.3
138	19.2	16.9	25.3

Manual Integrations
 APPROVED

MMDadoda
 7/31/2015 11:22:48 AM

