

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
 Data File : BF082018.D
 Acq On : 3 Oct 2015 11:59
 Operator : UM/IZ
 Sample : G3905-03MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Manual Integrations
 APPROVED

MMDADODA
 10/5/2015 6:29:21 PM

Quant Time: Oct 05 17:04:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	88445	20.00	ng	-0.05
21) Naphthalene-d8	8.17	136	349856	20.00	ng	-0.05
38) Acenaphthene-d10	9.93	164	175674	20.00	ng	-0.05
63) Phenanthrene-d10	11.43	188	356840	20.00	ng	-0.03
75) Chrysene-d12	14.08	240	316372	20.00	ng	-0.03
86) Perylene-d12	15.53	264	246062	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	701997	144.08	ng	-0.03
7) Phenol-d6	6.53	99	985314	160.72	ng	-0.03
23) Nitrobenzene-d5	7.46	82	628957	119.84	ng	-0.03
41) 2,4,6-Tribromophenol	10.73	330	266869	150.00	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	1144445	117.62	ng	-0.05
78) Terphenyl-d14	13.02	244	1158354	146.10	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	93089	43.93	ng	86
3) Pyridine	3.26	79	128819	23.35	ng	# 84
4) n-Nitrosodimethylamine	3.21	42	111524	44.51	ng	94
6) Aniline	6.55	93	280693	34.08	ng	# 85
8) 2-Chlorophenol	6.67	128	305597	56.80	ng	98
9) Benzaldehyde	6.43	77	59416	14.80	ng	# 85
10) Phenol	6.54	94	397577	57.81	ng	78
11) bis(2-Chloroethyl)ether	6.63	93	314055	58.89	ng	95
12) 1,3-Dichlorobenzene	6.82	146	309739m	48.74	ng	
13) 1,4-Dichlorobenzene	6.90	146	339836m	51.21	ng	
14) 1,2-Dichlorobenzene	7.06	146	308026	52.09	ng	99
15) Benzyl Alcohol	7.03	79	226738	51.23	ng	# 76
16) 2,2'-oxybis(1-Chloropropan	7.17	45	396488	52.59	ng	82
17) 2-Methylphenol	7.14	107	245380	56.25	ng	# 85
18) Hexachloroethane	7.39	117	110804	53.33	ng	91
19) n-Nitroso-di-n-propylamine	7.30	70	192714	51.72	ng	# 78
20) 3+4-Methylphenols	7.30	107	301615	54.74	ng	# 58
22) Acetophenone	7.30	105	390539	54.60	ng	# 79
24) Nitrobenzene	7.47	77	285665	50.13	ng	# 67
25) Isophorone	7.71	82	570556	54.85	ng	# 90
26) 2-Nitrophenol	7.79	139	169131	61.83	ng	# 77
27) 2,4-Dimethylphenol	7.83	122	273643	56.86	ng	# 82
28) bis(2-Chloroethoxy)methane	7.93	93	362520	58.68	ng	# 95
29) 2,4-Dichlorophenol	8.03	162	286930	61.49	ng	98
30) 1,2,4-Trichlorobenzene	8.11	180	281064	53.95	ng	97
31) Naphthalene	8.19	128	813873m	52.50	ng	
32) Benzoic acid	7.91	122	35504	17.79	ng	# 75
33) 4-Chloroaniline	8.25	127	207456	30.95	ng	# 94
34) Hexachlorobutadiene	8.31	225	164350	53.34	ng	97
35) Caprolactam	8.63	113	68113m	52.73	ng	
36) 4-Chloro-3-methylphenol	8.73	107	281564	61.71	ng	85
37) 2-Methylnaphthalene	8.89	142	618842	58.48	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	9.05	216	271661	50.37	ng	99
40) Hexachlorocyclopentadiene	9.04	237	324746	116.93	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	187581	50.73	nq	100
43) 2,4,5-Trichlorophenol	9.21	196	217732	57.26	nq	# 95
45) 1,1'-Biphenyl	9.36	154	786589	58.04	nq	94
46) 2-Chloronaphthalene	9.38	162	603269	56.69	nq	95
47) 2-Nitroaniline	9.49	65	181314	58.04	nq	87
48) Acenaphthylene	9.79	152	883409	51.87	nq	96
49) Dimethylphthalate	9.67	163	957106	78.93	nq	# 98
50) 2,6-Dinitrotoluene	9.73	165	143991	54.69	nq	# 61
51) Acenaphthene	9.97	154	588415	58.18	nq	89
52) 3-Nitroaniline	9.90	138	127575	41.88	nq	# 69
53) 2,4-Dinitrophenol	10.00	184	106232	81.65	nq	# 49
54) Dibenzofuran	10.15	168	827418	57.89	nq	93
55) 4-Nitrophenol	10.07	139	235153	106.85	nq	# 81
56) 2,4-Dinitrotoluene	10.14	165	207136	61.72	nq	# 98
57) Fluorene	10.49	166	667515	66.31	nq	92
58) 2,3,4,6-Tetrachlorophenol	10.26	232	192269	63.75	nq	93
59) Diethylphthalate	10.37	149	634304	56.00	nq	99
60) 4-Chlorophenyl-phenylether	10.48	204	302595	57.82	nq	90
61) 4-Nitroaniline	10.53	138	167278	54.78	nq	# 58
62) Azobenzene	10.64	77	658186	59.54	nq	91
64) 4,6-Dinitro-2-methylphenol	10.54	198	88517	53.28	nq	94
65) n-Nitrosodiphenylamine	10.61	169	565742	52.40	nq	91
66) 4-Bromophenyl-phenylether	10.97	248	201436	55.99	nq	99
67) Hexachlorobenzene	11.03	284	192572	47.42	nq	# 82
68) Atrazine	11.13	200	171969	51.34	nq	83
69) Pentachlorophenol	11.23	266	234281	101.26	nq	97
70) Phenanthrene	11.45	178	908238	53.19	nq	95
71) Anthracene	11.51	178	1026178	56.58	nq	97
72) Carbazole	11.66	167	887860	54.09	nq	# 94
73) Di-n-butylphthalate	11.99	149	955991	57.55	nq	# 98
74) Fluoranthene	12.64	202	955421	49.98	nq	91
76) Benzidine	12.79	184	33038	3.47	nq	97
77) Pyrene	12.87	202	978860	51.79	nq	95
79) Butylbenzylphthalate	13.50	149	468893	65.93	nq	98
80) Benzo(a)anthracene	14.07	228	854213	50.14	nq	96
81) 3,3'-Dichlorobenzidine	14.04	252	268588	46.68	nq	# 94
82) Chrysene	14.10	228	894173	Below	Cal	93
83) Bis(2-ethylhexyl)phthalate	14.06	149	596955	66.91	nq	# 94
84) Di-n-octyl phthalate	14.68	149	1028554	70.85	nq	# 92
85) Indeno(1,2,3-cd)pyrene	16.98	276	729161	54.71	nq	# 87
87) Benzo(b)fluoranthene	15.11	252	942946m	67.12	nq	
88) Benzo(k)fluoranthene	15.14	252	634984m	49.32	nq	
89) Benzo(a)pyrene	15.48	252	719512	59.04	nq	# 86
90) Dibenzo(a,h)anthracene	17.02	278	611387	59.80	nq	# 79
91) Benzo(g,h,i)perylene	17.44	276	601683	57.43	nq	# 73

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

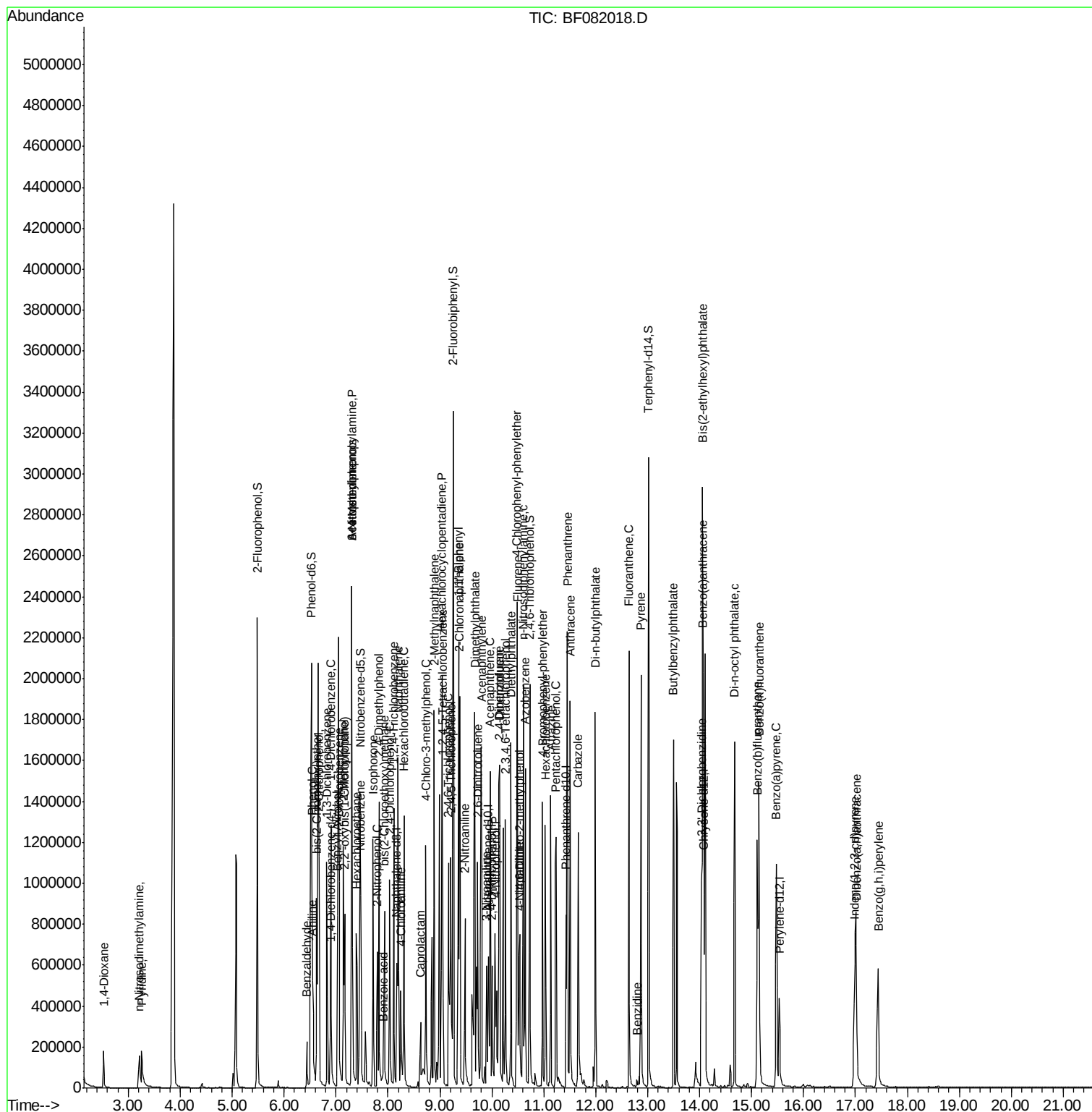
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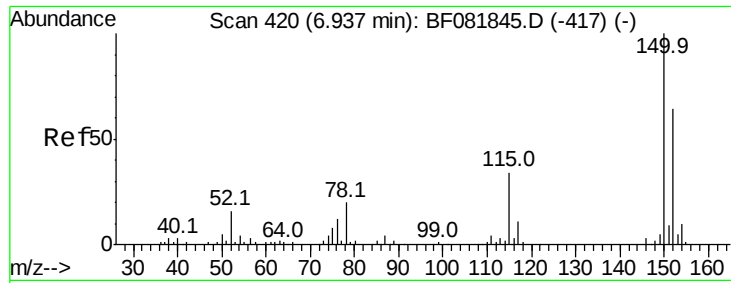
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ClientSampleId :
P001-BF001-01MSD

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

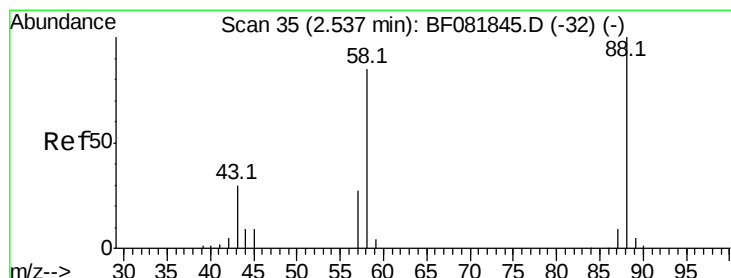
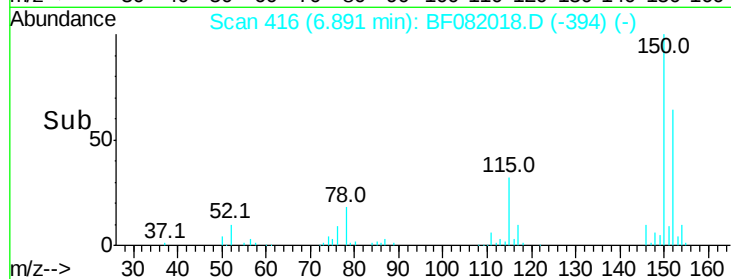
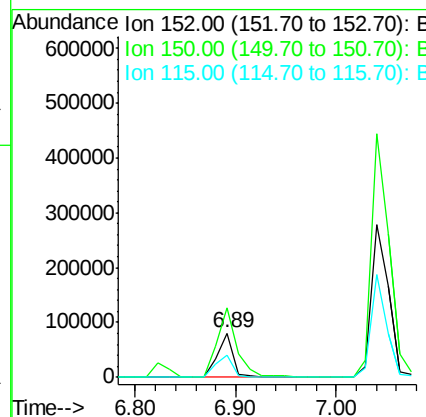
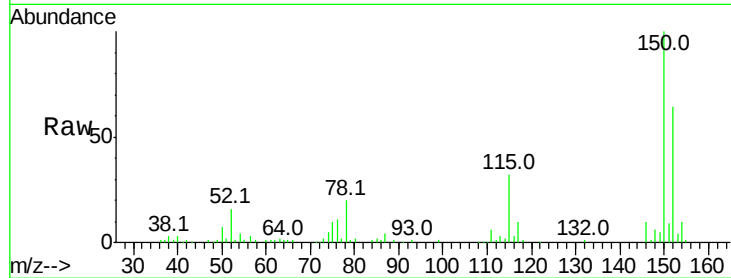
ClientSampleId :

P001-BF001-01MSD

Tot Ion:	152	Resp:	88445
Ion Ratio	Lower	Upper	
152	100		
150	157.3	124.7	187.1
115	50.5	39.0	58.4

Manual Integrations
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#2

1,4-Dioxane

Concen: 43.93 ng

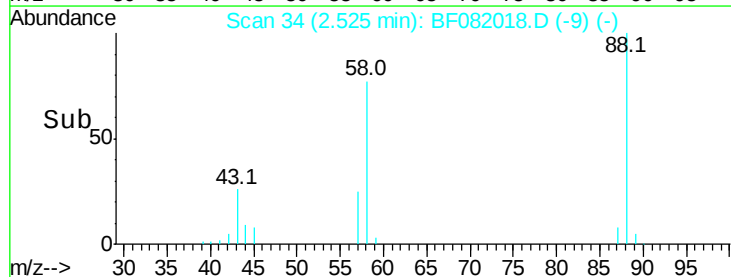
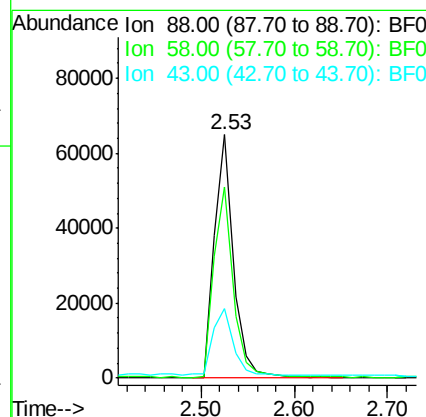
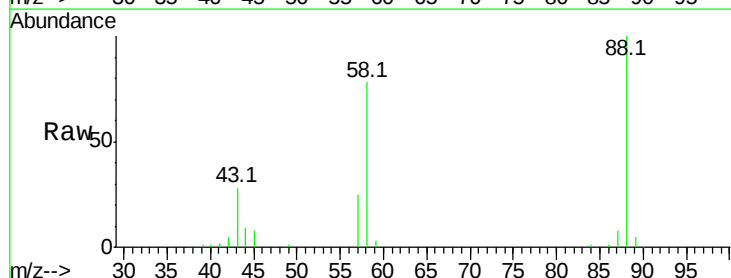
RT: 2.53 min Scan# 34

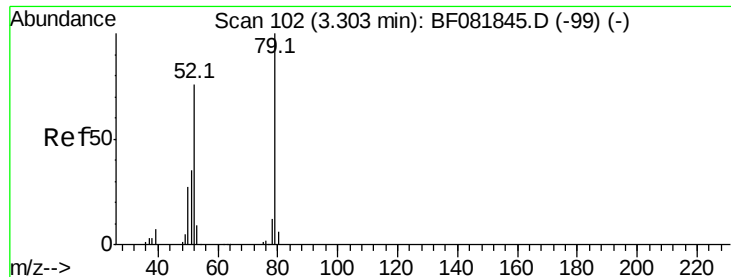
Delta R.T. -0.01 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion:	88	Resp:	93089
Ion Ratio	Lower	Upper	
88	100		
58	82.2	77.7	116.5
43	28.3	26.6	40.0





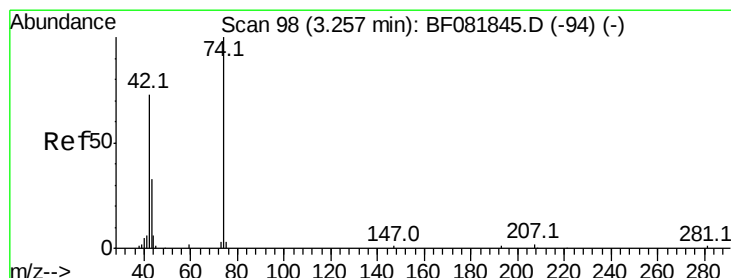
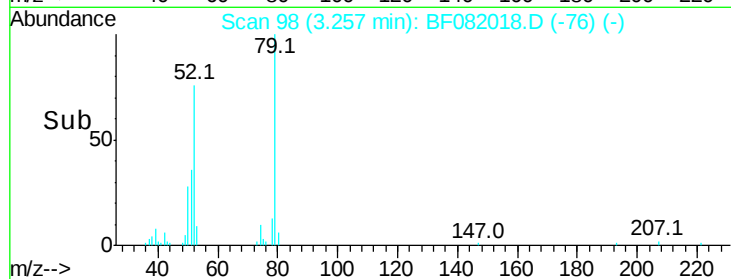
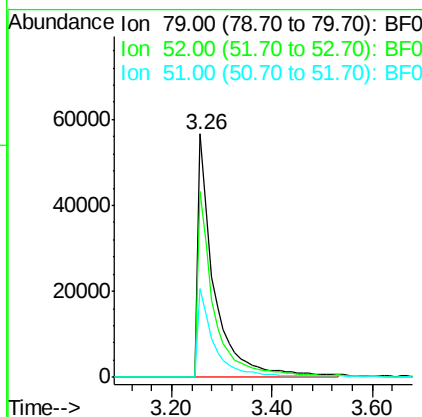
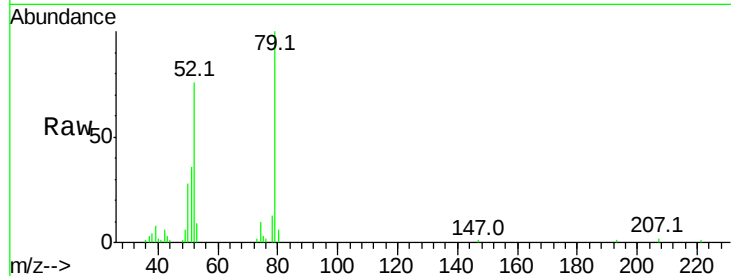
#3
 Pvridine
 Concen: 23.35 ng
 RT: 3.26 min Scan# 98
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
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 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	76.4	76.8	115.2#
51	36.4	32.2	48.4

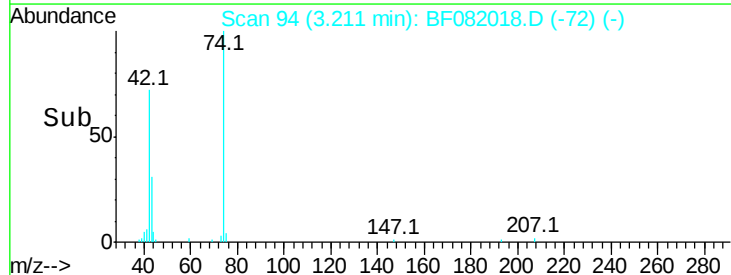
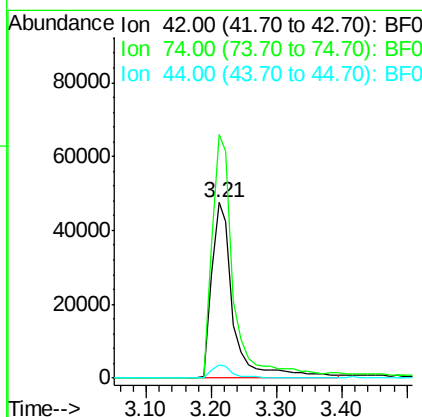
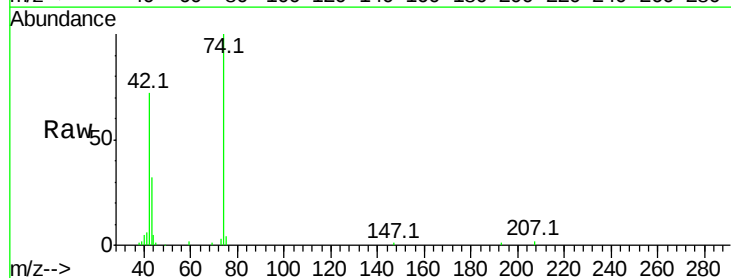
Manual Integrations
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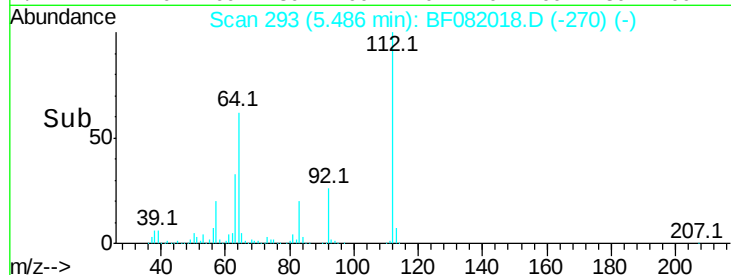
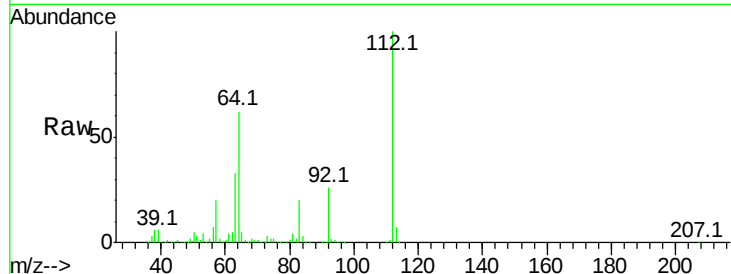
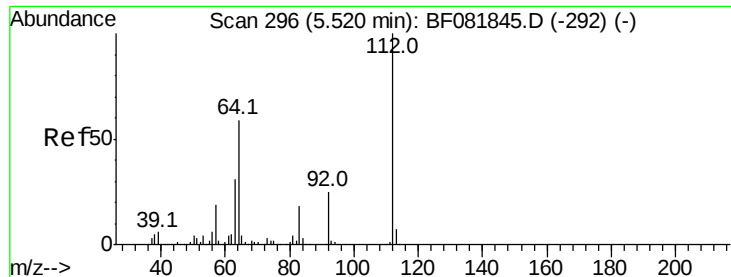
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#4
 n-Nitrosodimethylamine
 Concen: 44.51 ng
 RT: 3.21 min Scan# 94
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.8	105.0	157.6
44	7.5	6.6	10.0





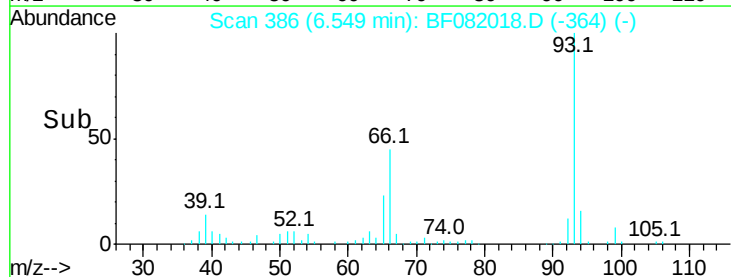
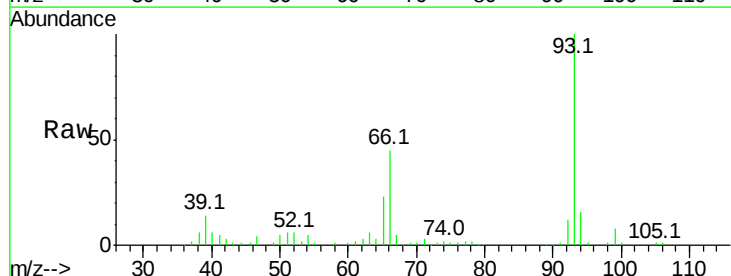
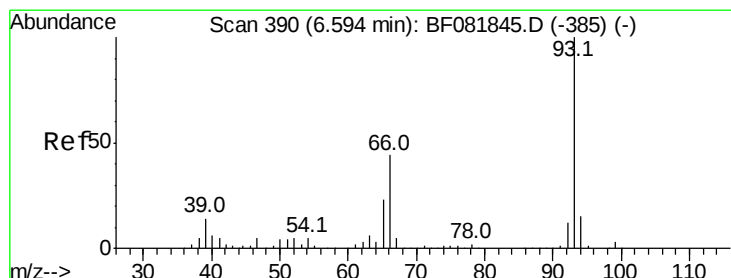
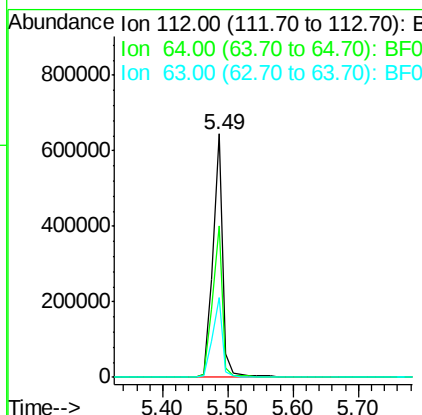
#5
2-Fluorophenol
Concen: 144.08 ng
RT: 5.49 min Scan# 293
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tot Ion	Ratio	Resp	Lower	Upper
112	100	701997		
64	62.5	39.7	59.5#	
63	32.5	17.4	26.0#	

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

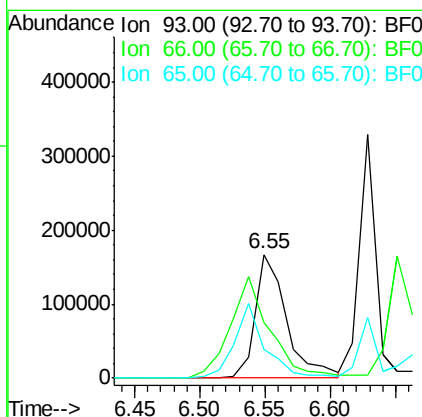
Manual Integrations
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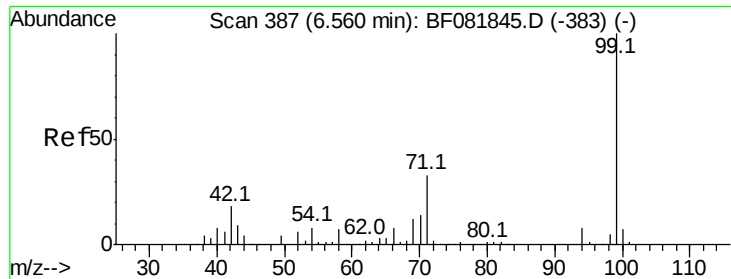
MMDADODA
10/5/2015 6:29:21 PM



#6
Aniline
Concen: 34.08 ng
RT: 6.55 min Scan# 386
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	280693		
66	44.6	27.2	40.8#	
65	22.7	14.7	22.1#	





#7

Phenol-d6

Concen: 160.72 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

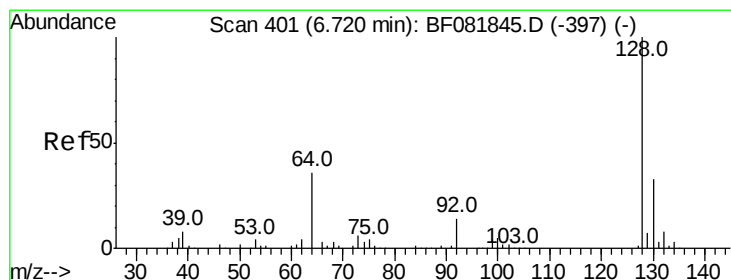
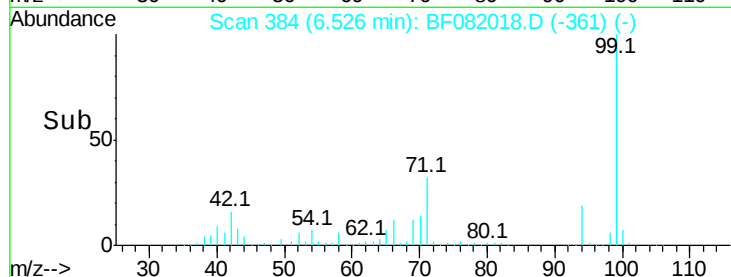
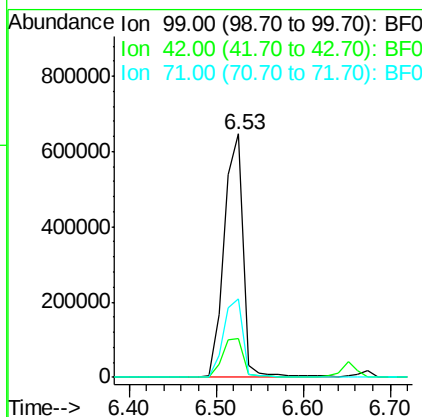
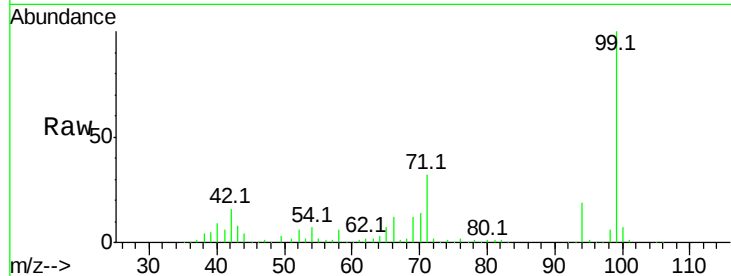
ClientSampleId :

P001-BF001-01MSD

Tot Ion:	99	Resp:	985314
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.7	20.5
71	32.3	14.2	21.2#

Manual Integrations
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#8

2-Chlorophenol

Concen: 56.80 ng

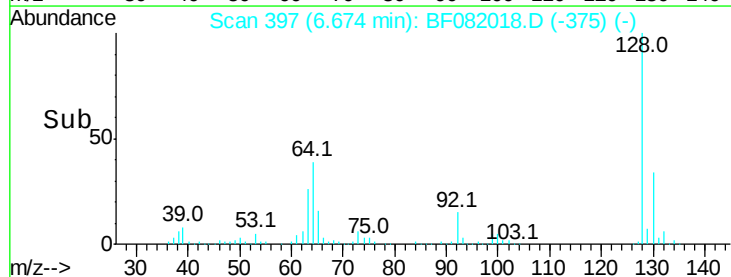
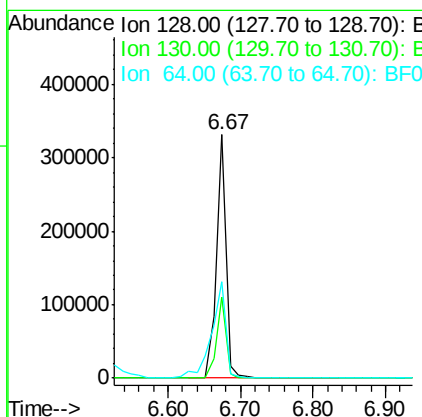
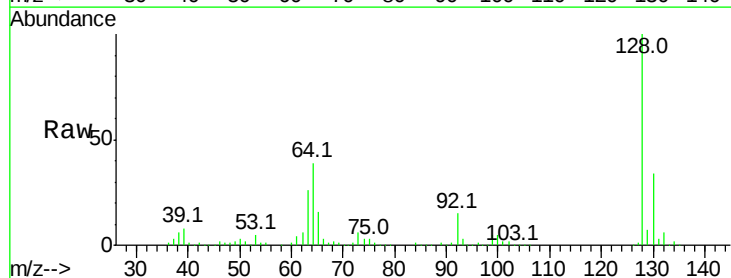
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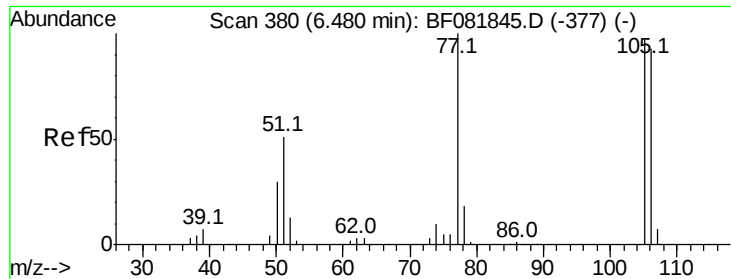
Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion:	128	Resp:	305597
Ion Ratio	Lower	Upper	
128	100		
130	33.5	12.2	52.2
64	39.5	20.5	60.5





#9

Benzaldehyde

Concen: 14.80 ng

RT: 6.43 min Scan# 376

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

ClientSampleId :

P001-BF001-01MSD

Tot Ion: 77 Resp: 59416

Ion Ratio Lower Upper

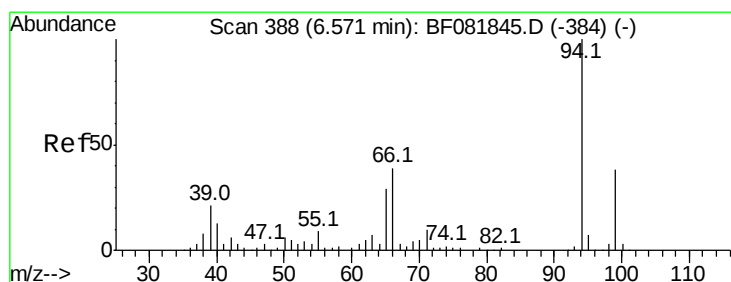
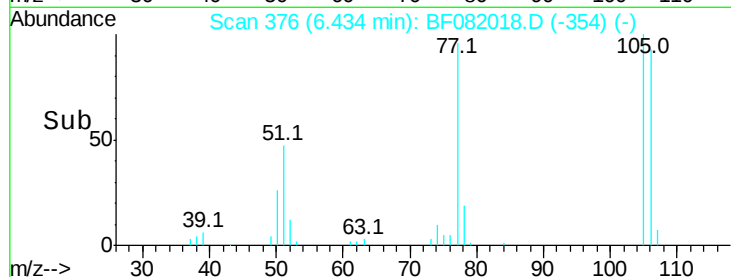
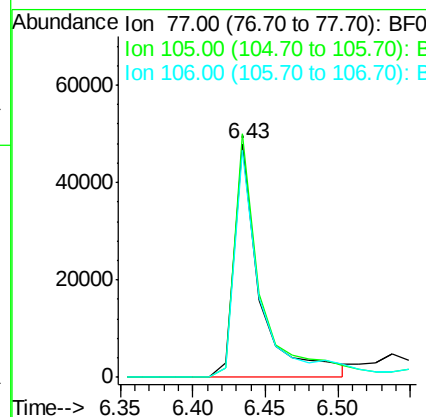
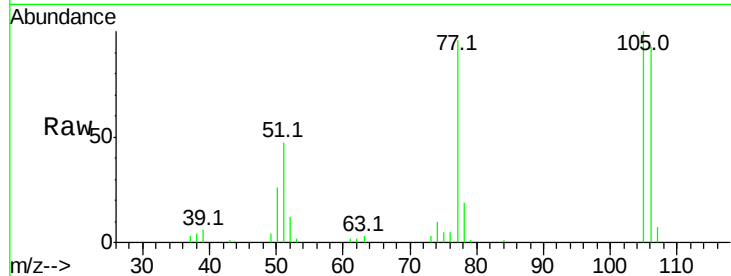
77 100

105 104.2 91.6 131.6

106 97.0 102.6 142.6#

Manual Integrations
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#10

Phenol

Concen: 57.81 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

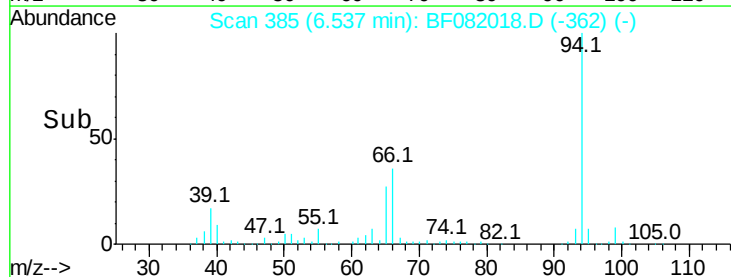
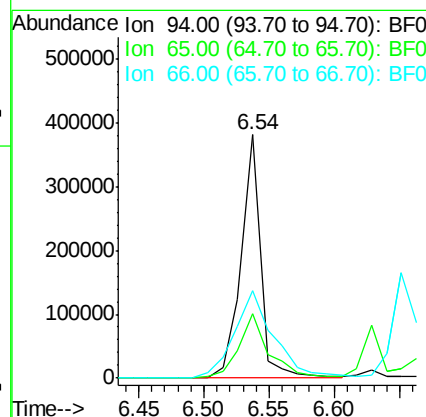
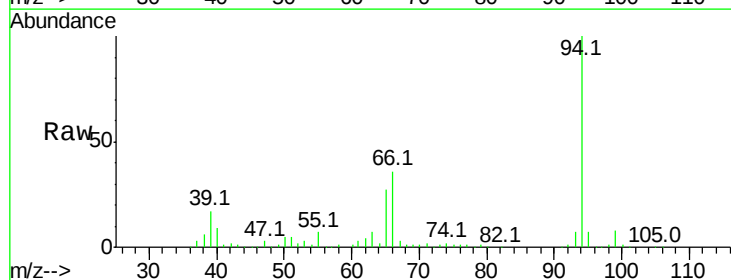
Tgt Ion: 94 Resp: 397577

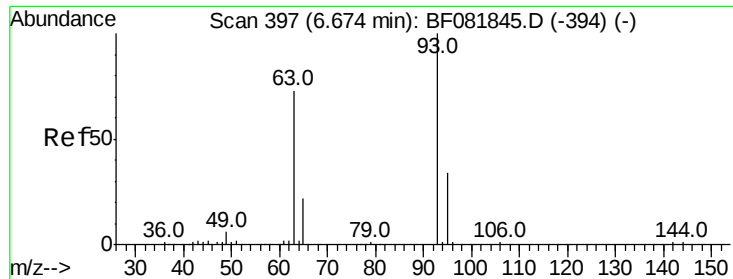
Ion Ratio Lower Upper

94 100

65 26.6 0.7 40.7

66 35.8 0.8 40.8





#11

bis(2-Chloroethyl)ether

Concen: 58.89 ng

RT: 6.63 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

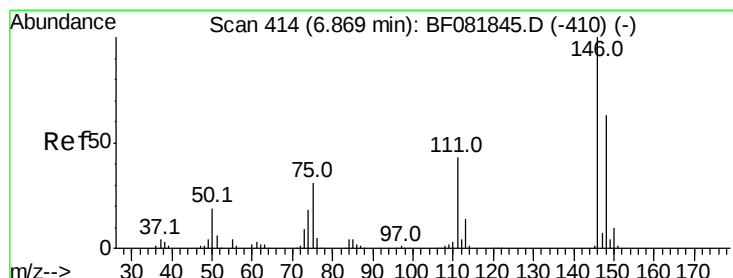
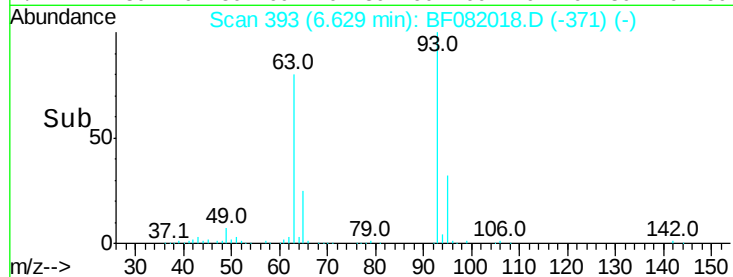
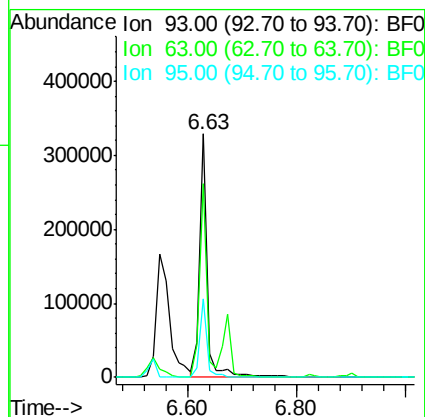
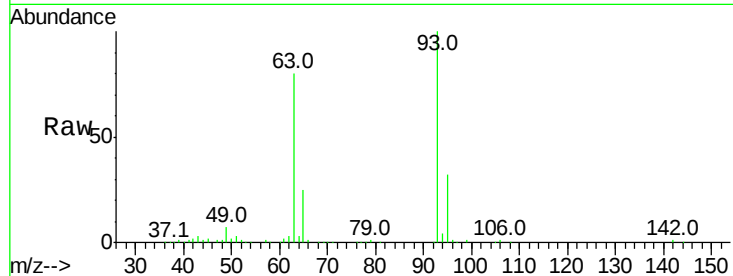
ClientSampleId :

P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	79.6	65.6	105.6
95	32.0	13.6	53.6

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 48.74 ng m

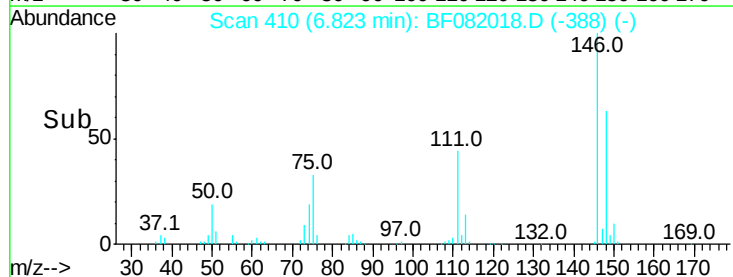
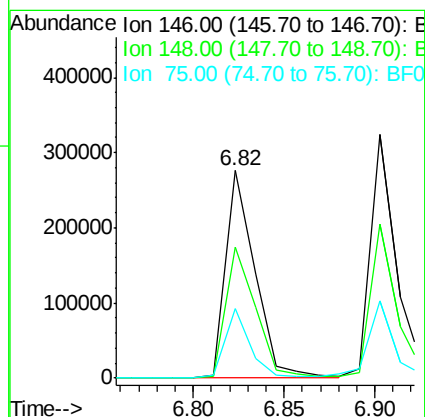
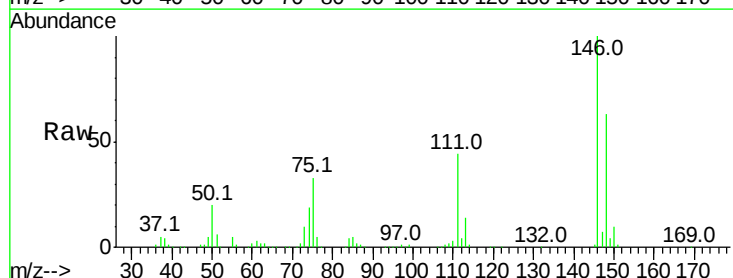
RT: 6.82 min Scan# 410

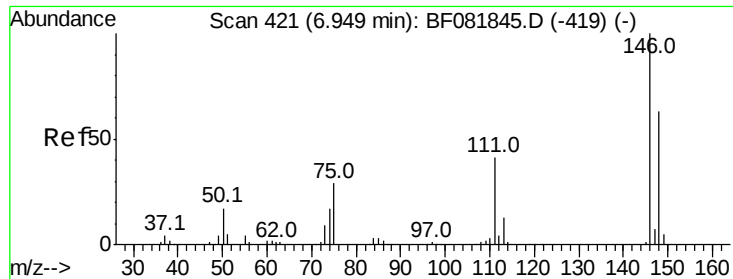
Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.4
75	33.3	15.0	22.6#





#13

1,4-Dichlorobenzene

Concen: 51.21 ng/mL

RT: 6.90 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

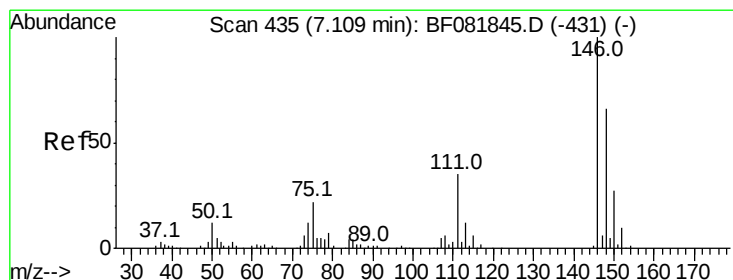
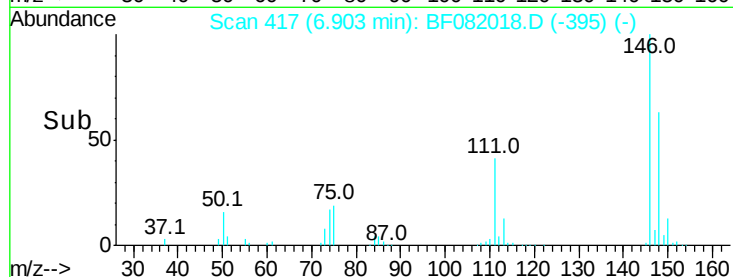
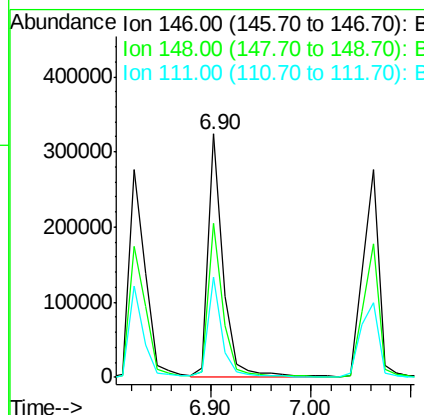
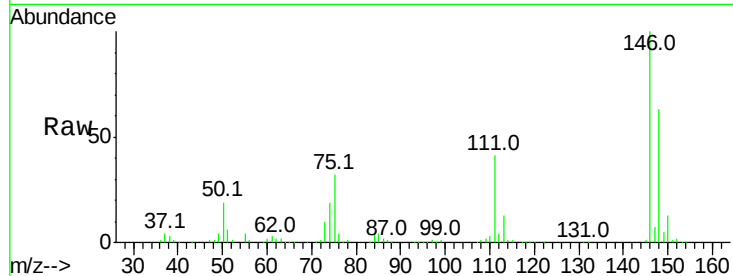
Instrument :
BNA_F

ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.8	77.6
111	41.0	24.9	37.3

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 52.09 ng/mL

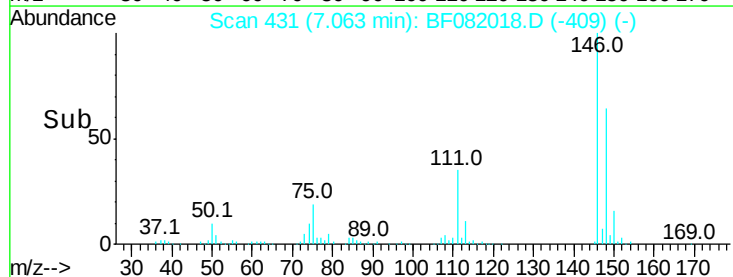
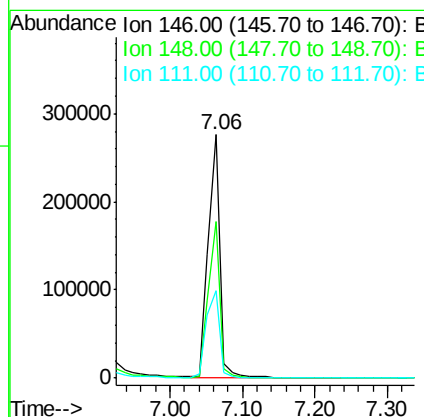
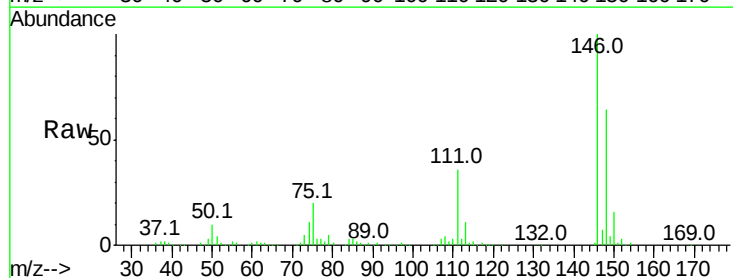
RT: 7.06 min Scan# 431

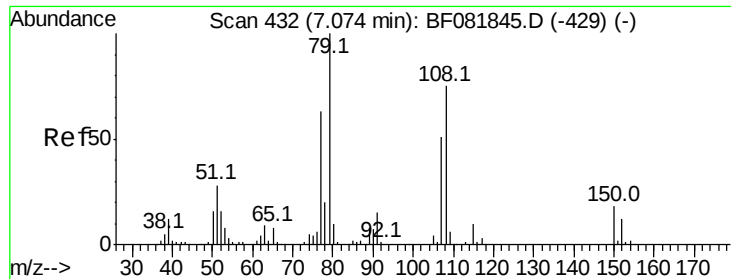
Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.7	79.1
111	35.8	28.8	43.2





#15

Benzyl Alcohol

Concen: 51.23 ng

RT: 7.03 min Scan# 428

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

ClientSampleId :

P001-BF001-01MSD

Tot Ion: 79 Resp: 226738

Ion Ratio Lower Upper

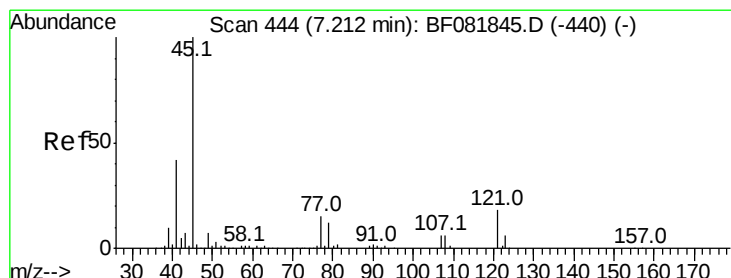
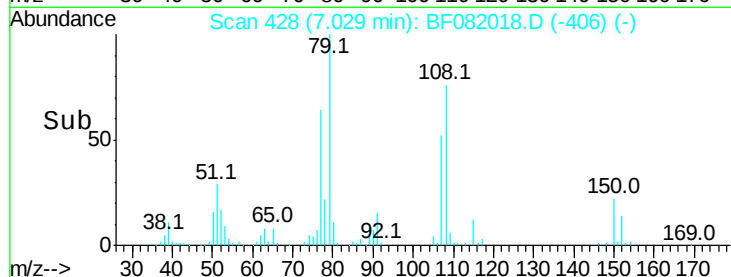
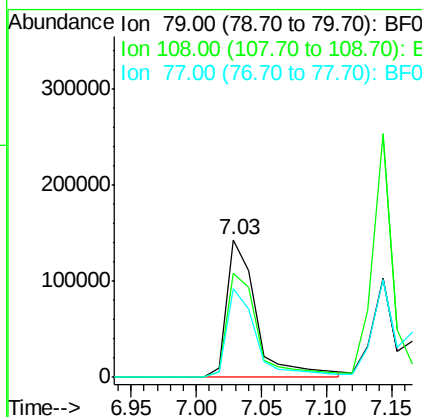
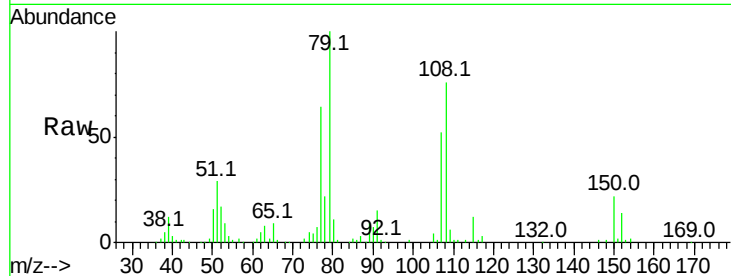
79 100

108 75.6 88.6 132.8#

77 64.1 47.0 70.4

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 52.59 ng

RT: 7.17 min Scan# 440

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

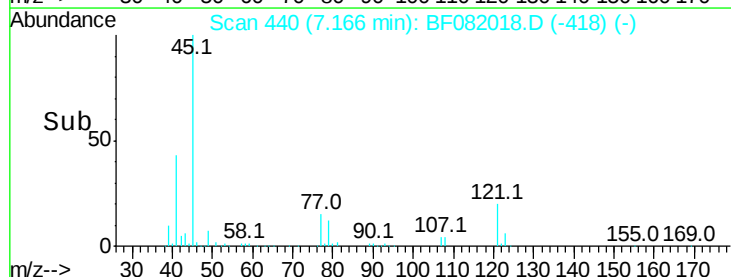
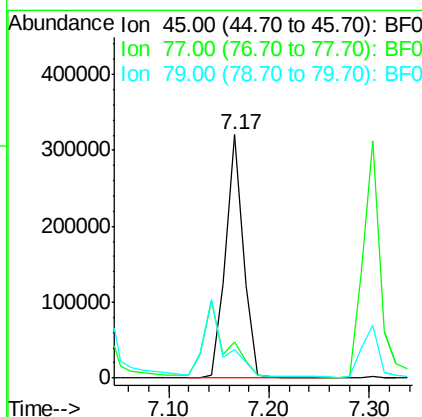
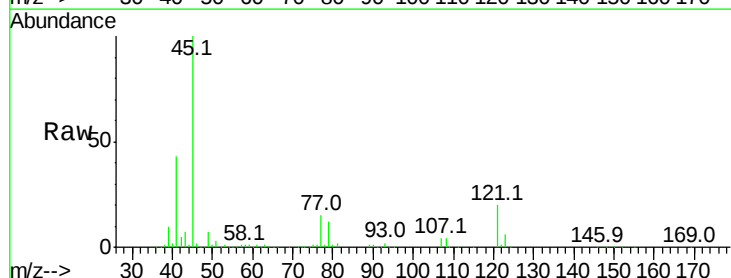
Tgt Ion: 45 Resp: 396488

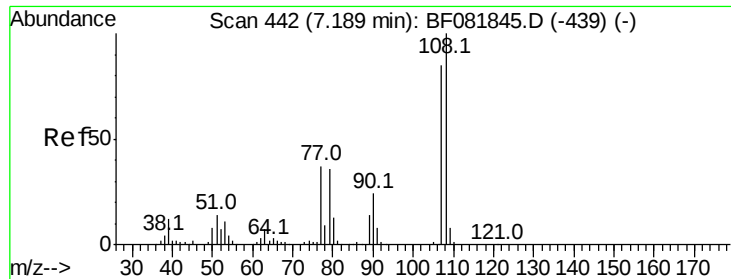
Ion Ratio Lower Upper

45 100

77 14.9 0.0 28.1

79 11.6 0.0 26.0





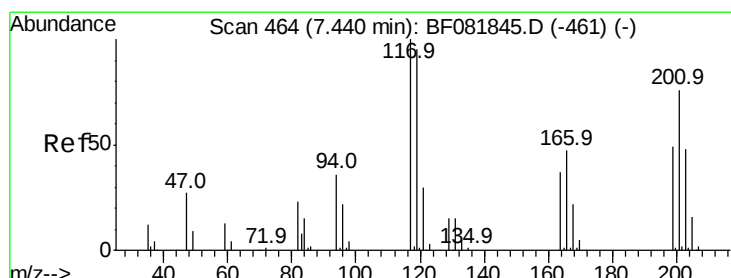
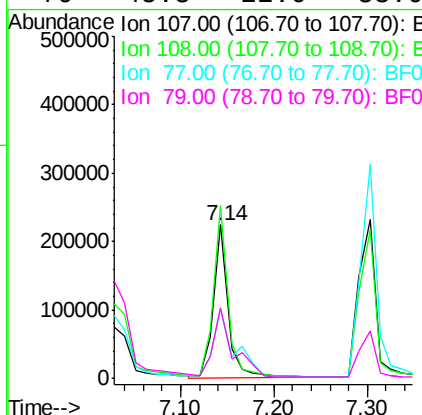
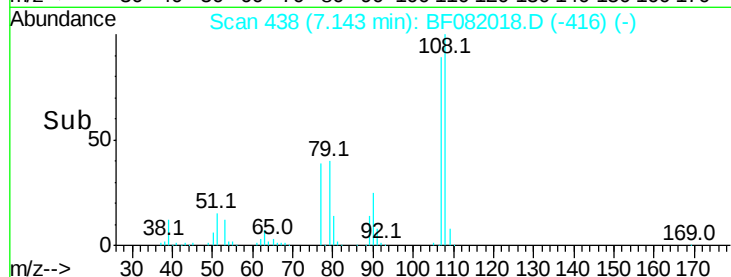
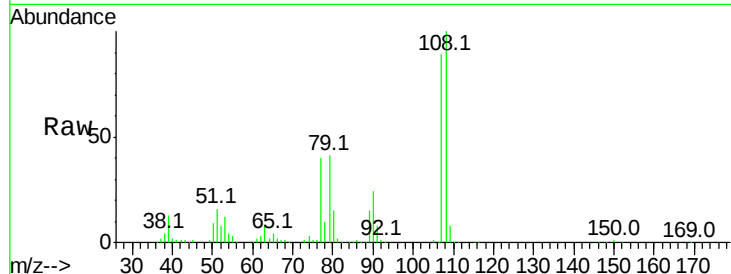
#17
2-Methylphenol
Concen: 56.25 ng
RT: 7.14 min Scan# 438
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.6	96.6	145.0	
77	45.2	23.3	34.9#	
79	45.8	22.0	33.0#	

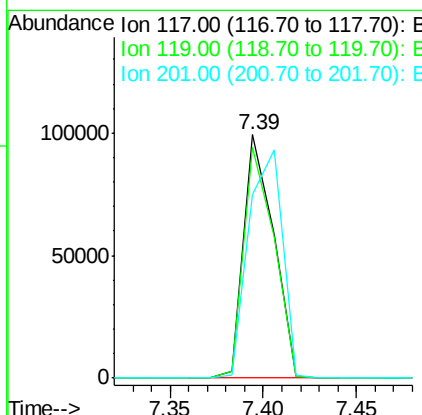
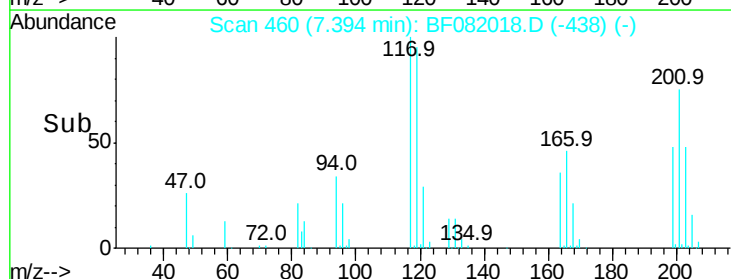
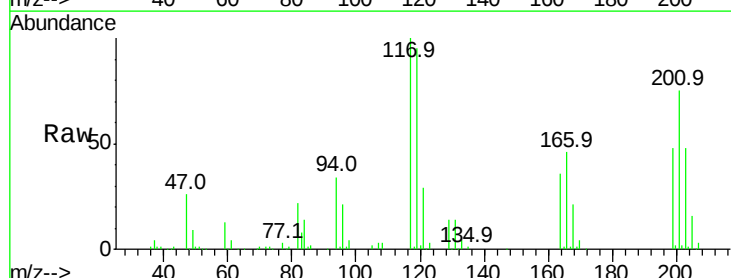
Manual Integrations
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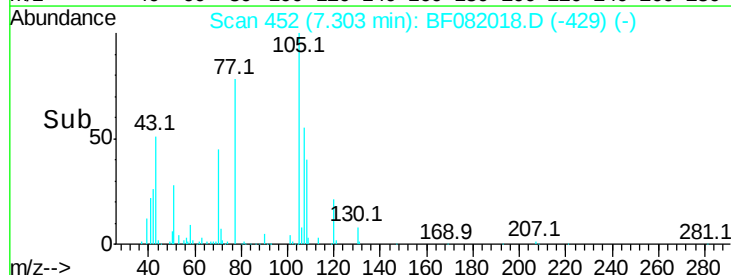
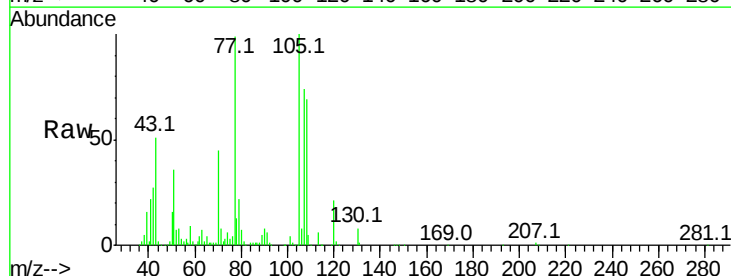
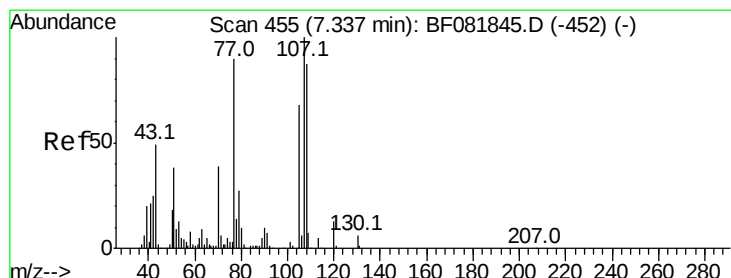
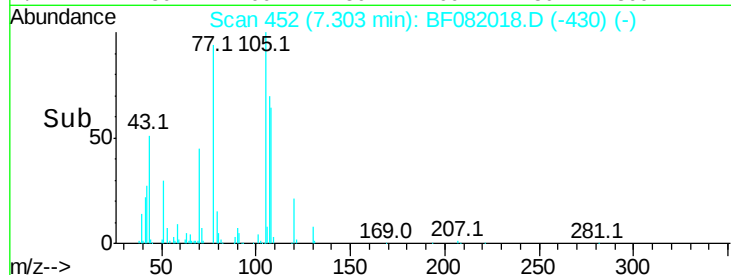
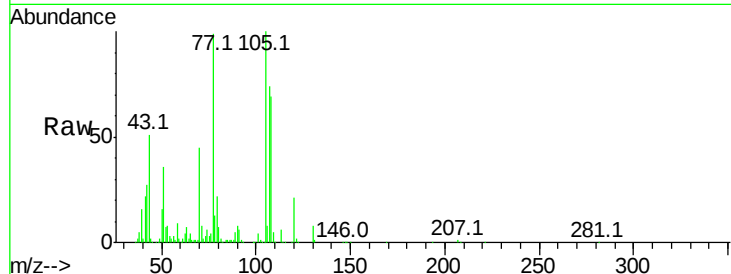
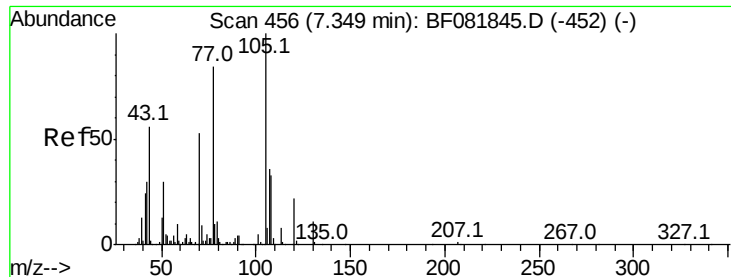
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#18
Hexachloroethane
Concen: 53.33 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.5	83.8	125.6	
201	75.3	55.1	82.7	





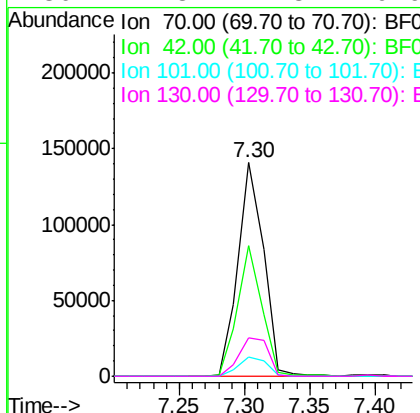
#19
n-Nitroso-di-n-propylamine
Concen: 51.72 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.0	63.8	95.6#
101	9.0	9.2	13.8#
130	17.8	27.3	40.9#

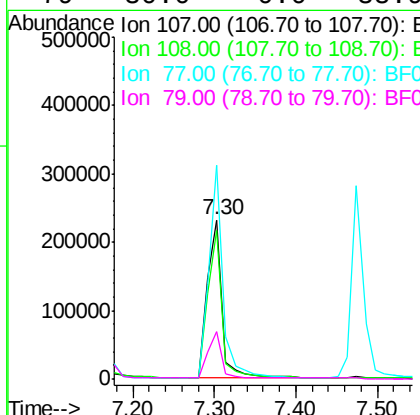
Manual Integrations
APPROVED

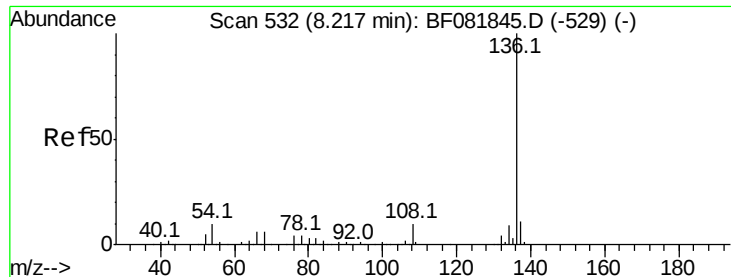
MMDADODA
10/5/2015 6:29:21 PM



#20
3+4-Methylphenols
Concen: 54.74 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.6	74.6	114.6
77	134.3	0.7	40.7#
79	30.0	0.0	38.9





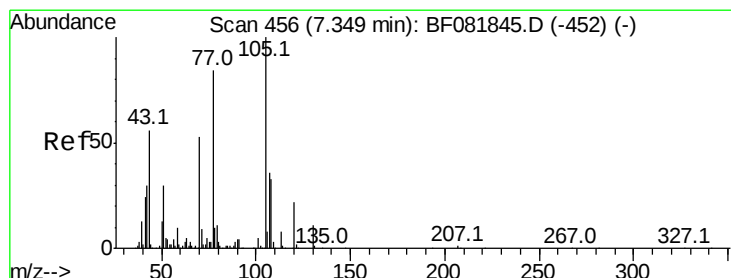
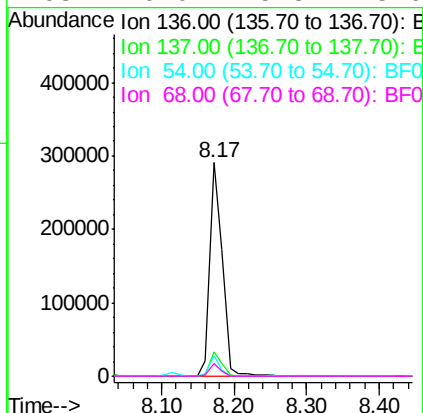
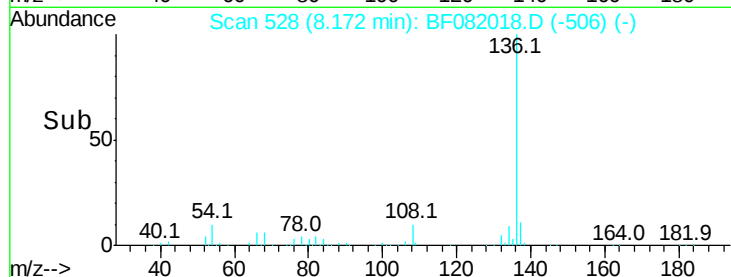
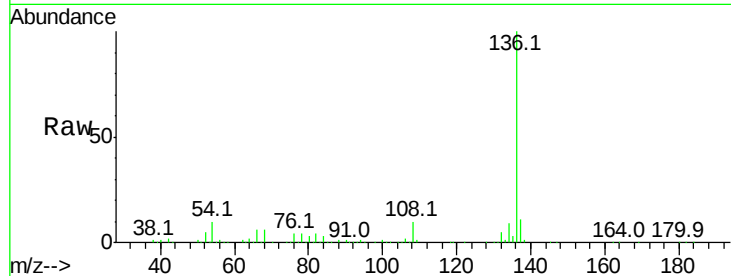
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.0	13.6	
54	9.5	8.2	12.2	
68	6.0	5.8	8.6	

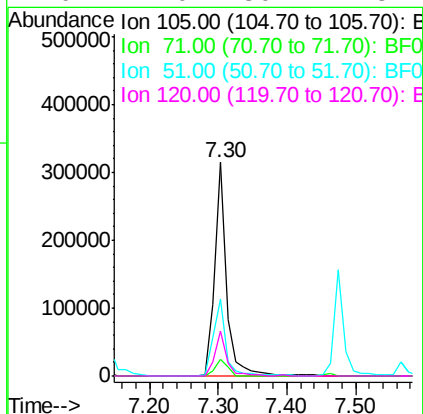
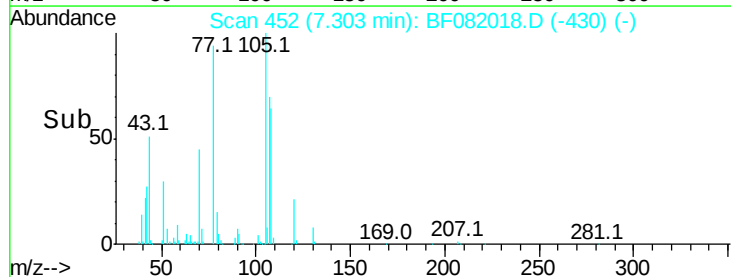
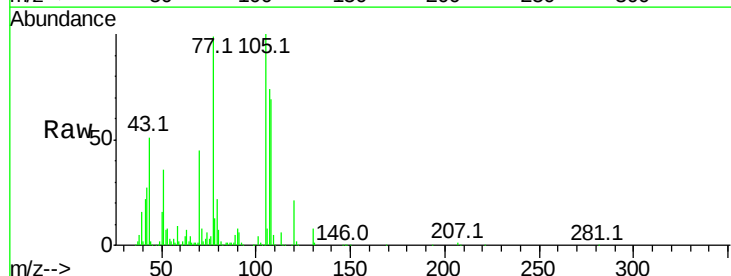
Manual Integrations
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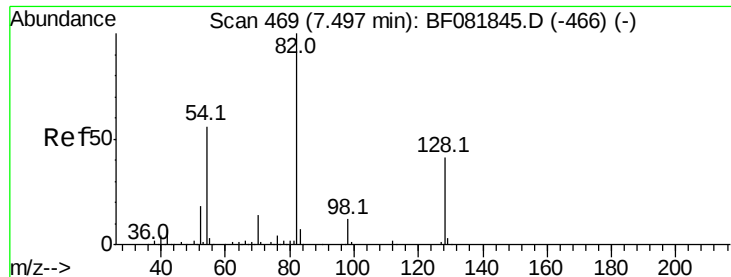
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#22
Acetophenone
Concen: 54.60 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.6	4.7	7.1#	
51	35.7	22.0	33.0#	
120	21.0	30.1	45.1#	





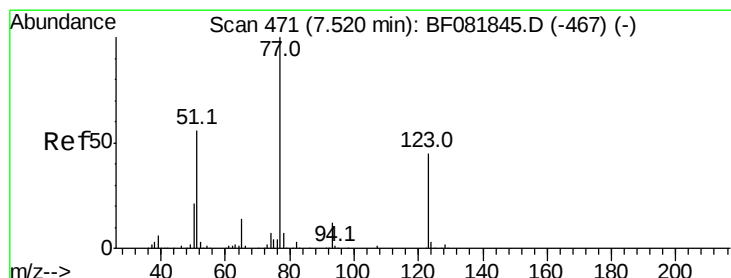
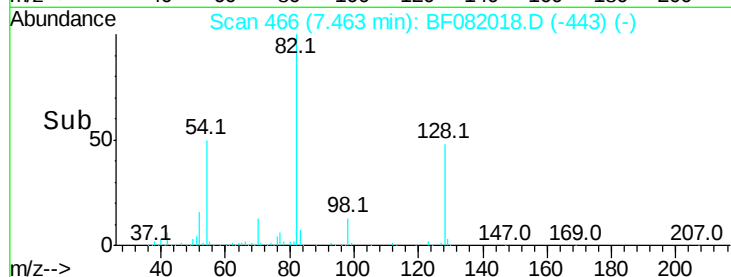
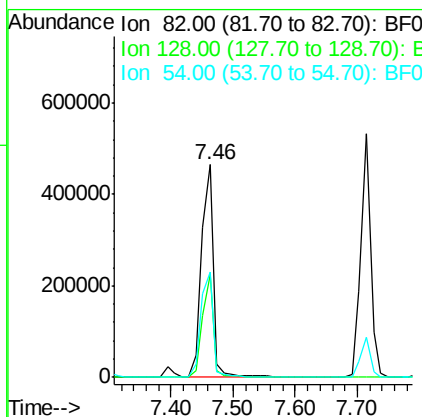
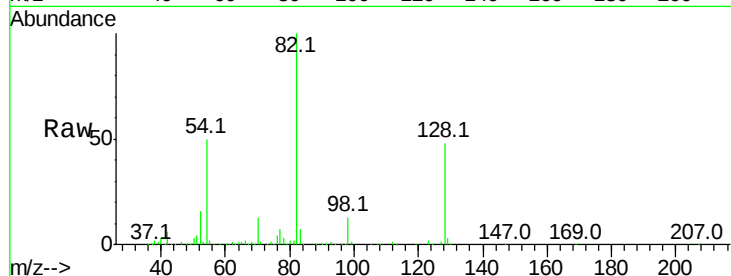
#23
 Nitrobenzene-d5
 Concen: 119.84 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.03 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	51.0	76.6#
54	49.8	47.5	71.3

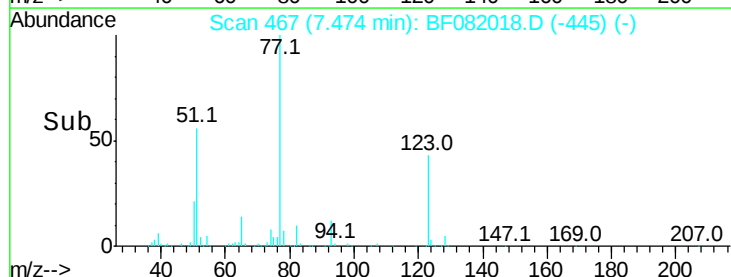
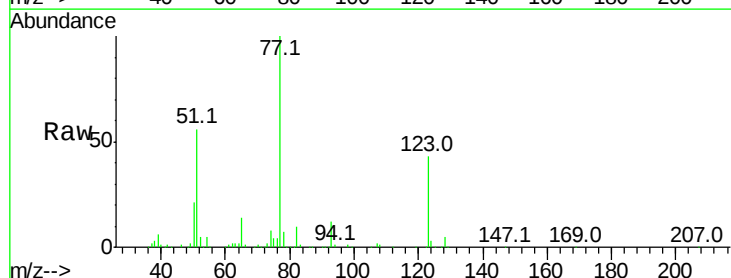
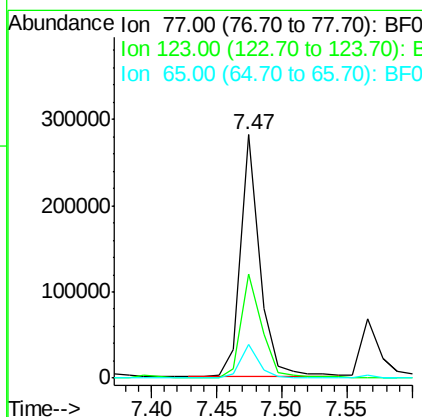
Manual Integrations
 APPROVED

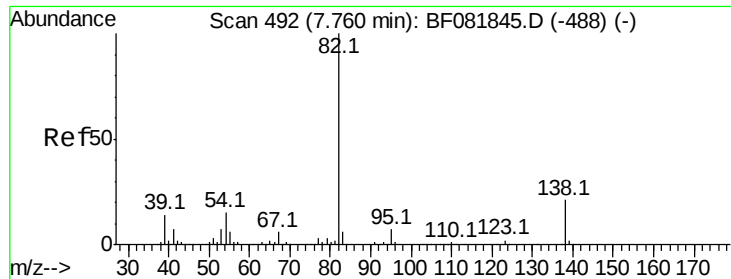
MMDADODA
 10/5/2015 6:29:21 PM



#24
 Nitrobenzene
 Concen: 50.13 ng
 RT: 7.47 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.6	59.8	89.8#
65	13.8	10.2	15.4





#25

Isophorone

Concen: 54.85 ng

RT: 7.71 min Scan# 488

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

ClientSampleId :

P001-BF001-01MSD

Tot Ion: 82 Resp: 570556

Ion Ratio Lower Upper

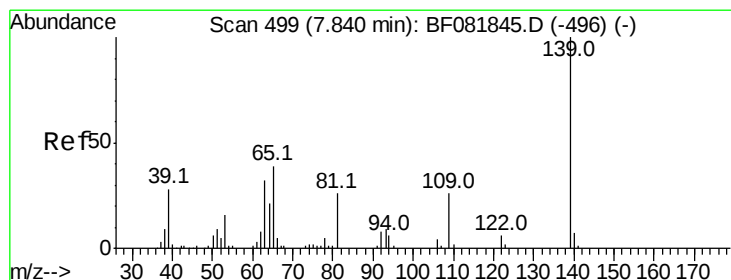
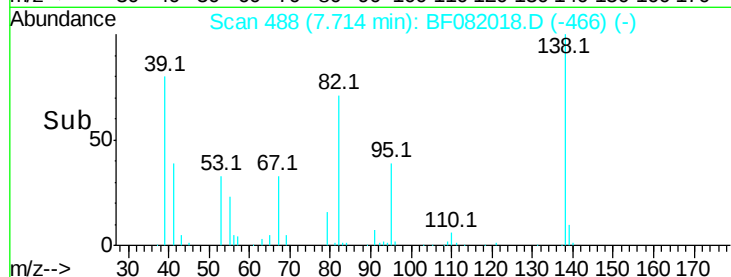
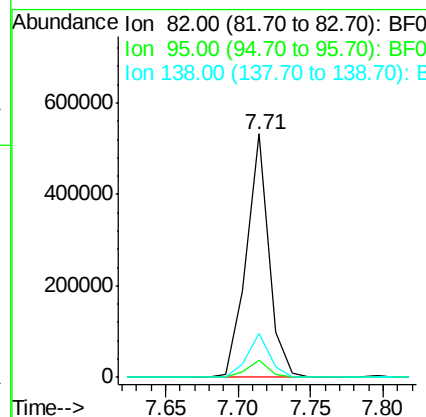
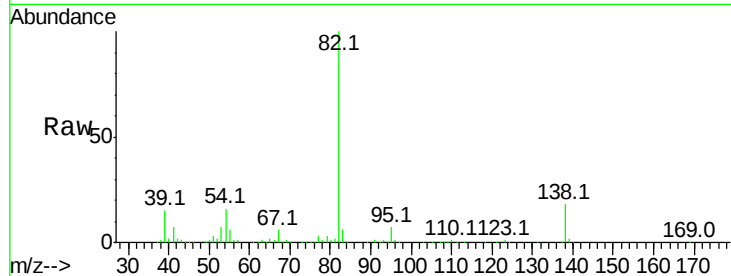
82 100

95 7.0 4.0 6.0#

138 17.9 18.3 27.5#

Manual Integrations
APPROVED

MMDADODA
10/5/2015 6:29:21 PM



#26

2-Nitrophenol

Concen: 61.83 ng

RT: 7.79 min Scan# 495

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

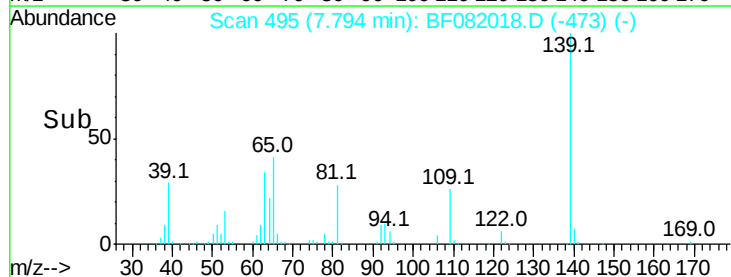
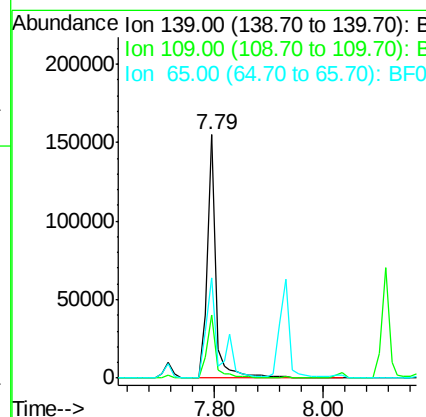
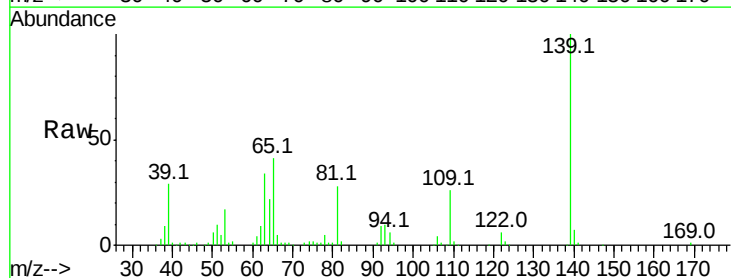
Tgt Ion: 139 Resp: 169131

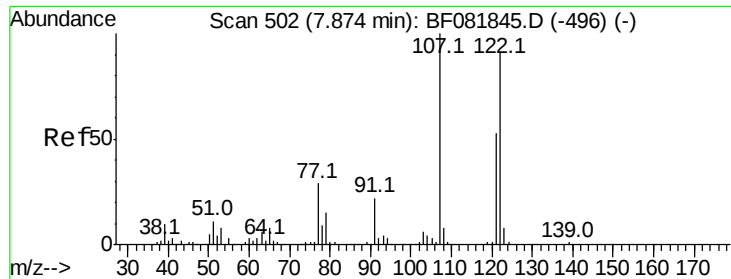
Ion Ratio Lower Upper

139 100

109 26.2 11.0 16.4#

65 41.3 24.7 37.1#





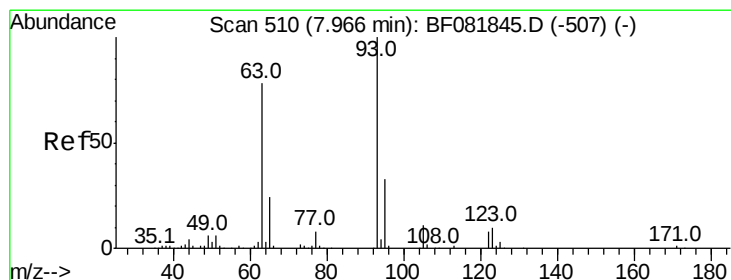
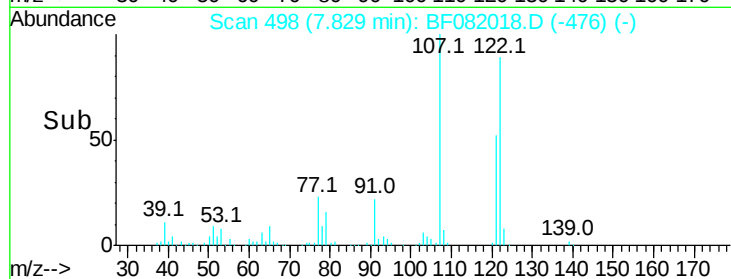
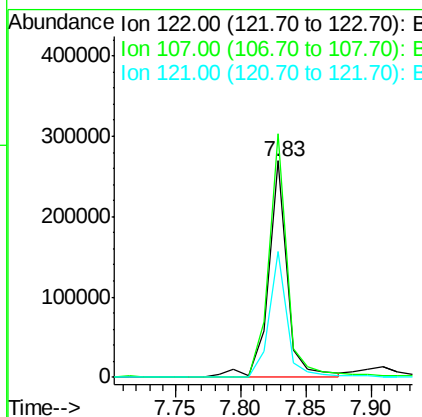
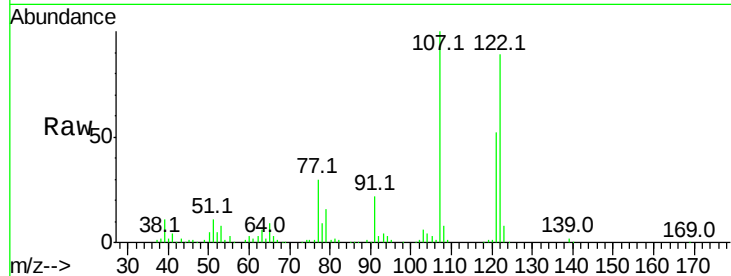
#27
2,4-Dimethylphenol
Concen: 56.86 ng
RT: 7.83 min Scan# 498
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	273643		
107	112.6	71.8	107.6#	
121	58.4	42.3	63.5	

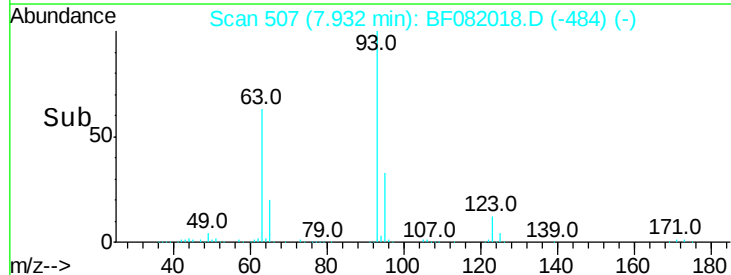
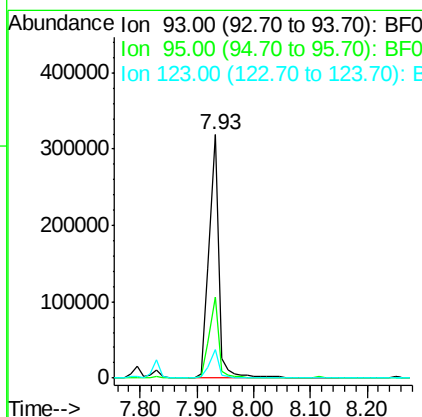
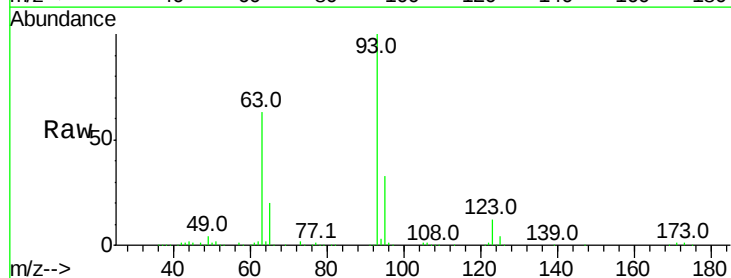
Manual Integrations
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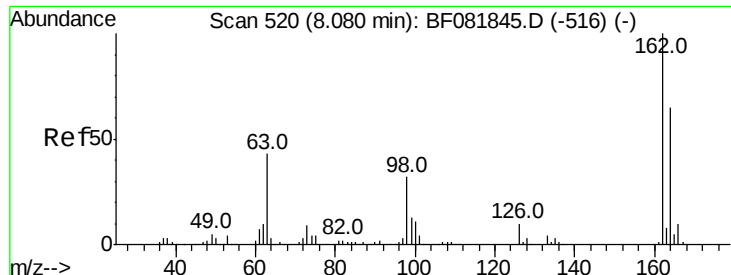
MMDADODA
10/5/2015 6:29:21 PM



#28
bis(2-Chloroethoxy)methane
Concen: 58.68 ng
RT: 7.93 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	362520		
95	33.4	27.5	41.3	
123	11.8	13.7	20.5#	





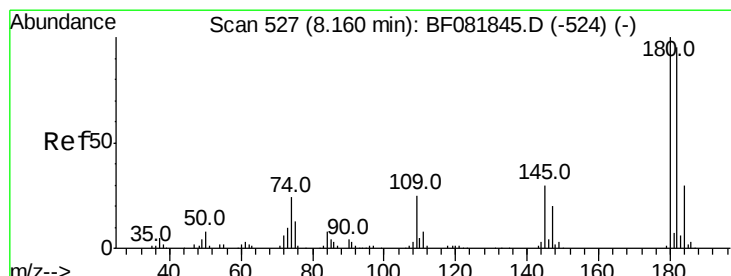
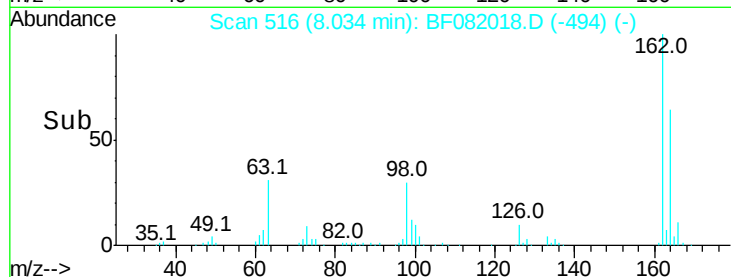
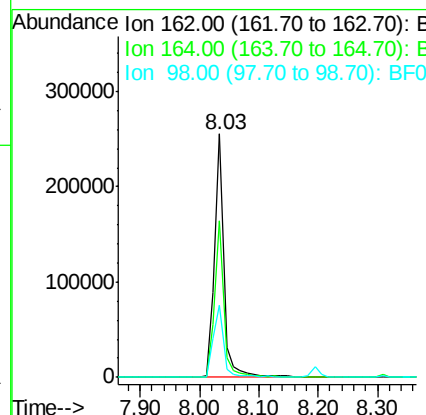
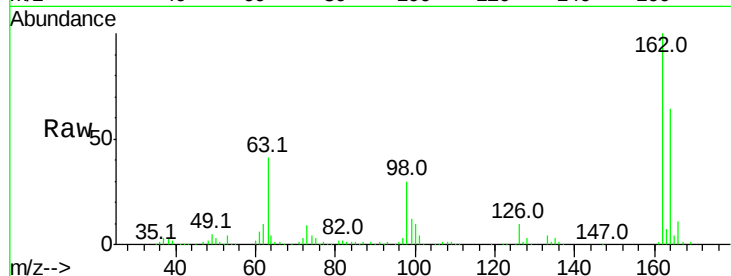
#29
 2,4-Dichlorophenol
 Concen: 61.49 ng
 RT: 8.03 min Scan# 516
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	286930		
164	64.5		44.9	84.9
98	29.6		13.0	53.0

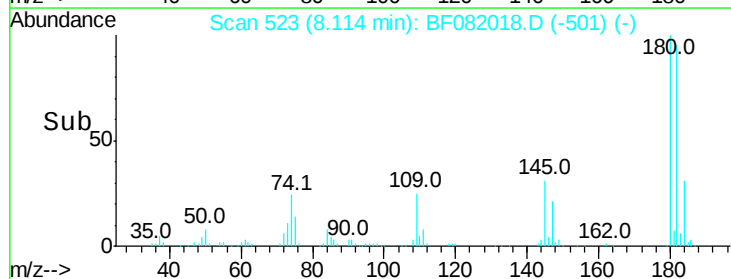
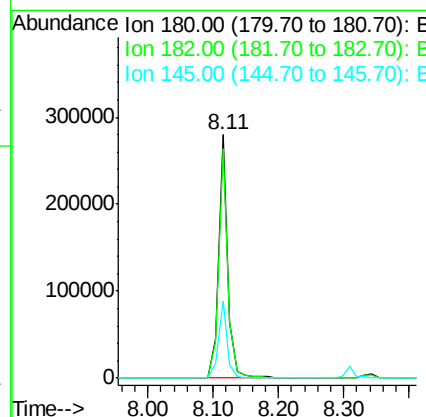
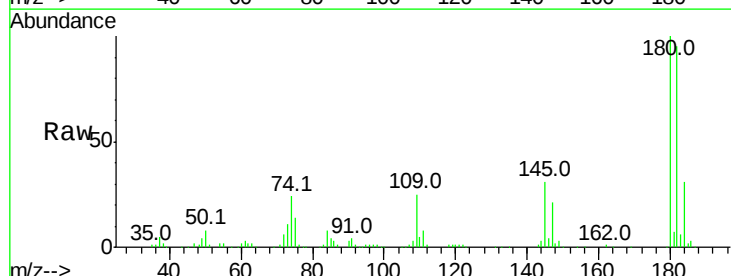
Manual Integrations
 APPROVED

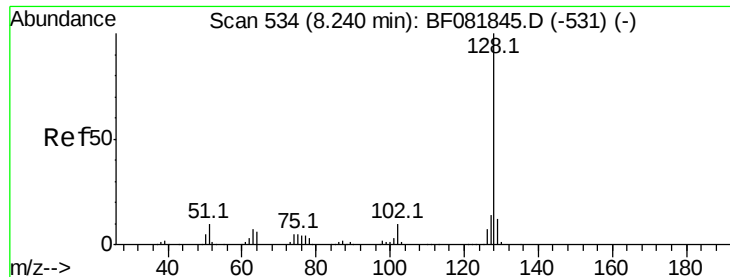
MMDADODA
 10/5/2015 6:29:21 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 53.95 ng
 RT: 8.11 min Scan# 523
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	281064		
182	94.5		77.1	115.7
145	31.5		23.3	34.9





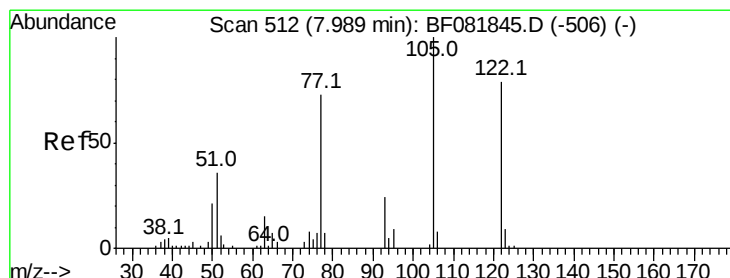
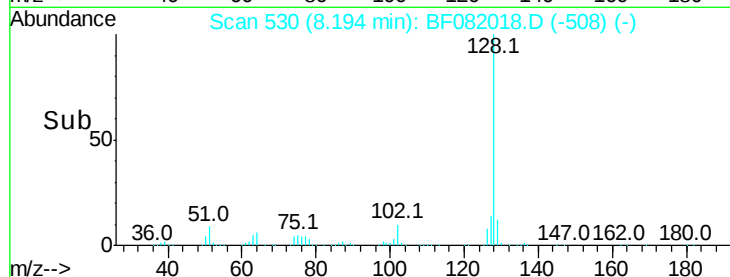
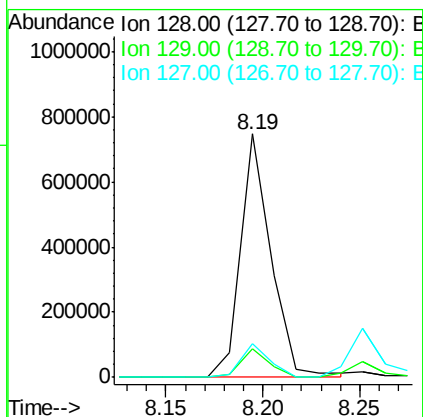
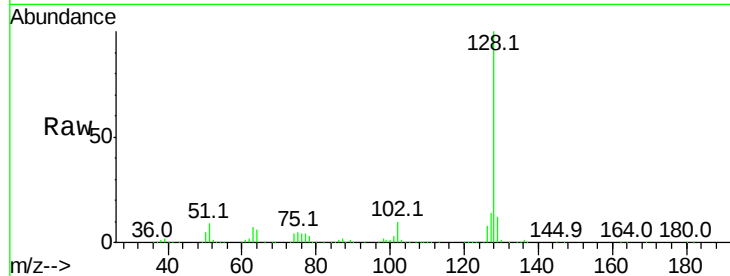
#31
Naphthalene
Concen: 52.50 ng/ml
RT: 8.19 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.7	8.4	12.6	
127	13.6	9.9	14.9	

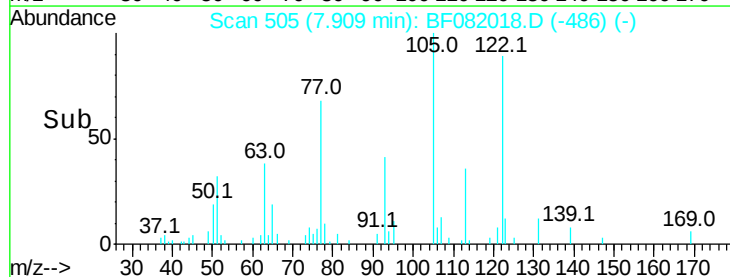
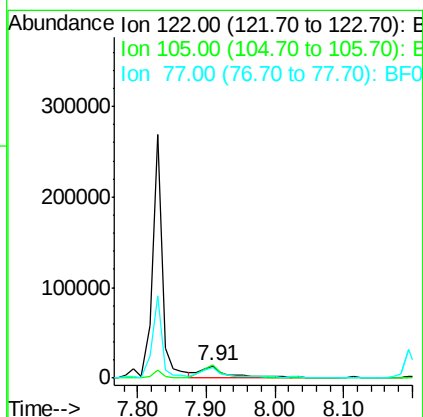
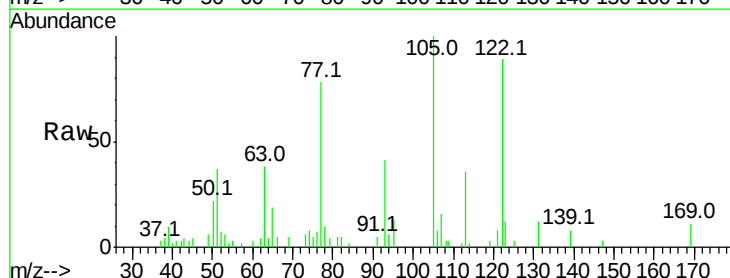
Manual Integrations
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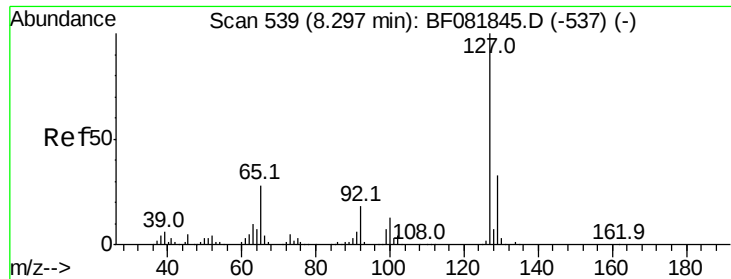
MMDADODA
10/5/2015 6:29:21 PM



#32
Benzoic acid
Concen: 17.79 ng
RT: 7.91 min Scan# 505
Delta R.T. -0.08 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	112.9	76.1	116.1	
77	88.1	40.5	80.5	





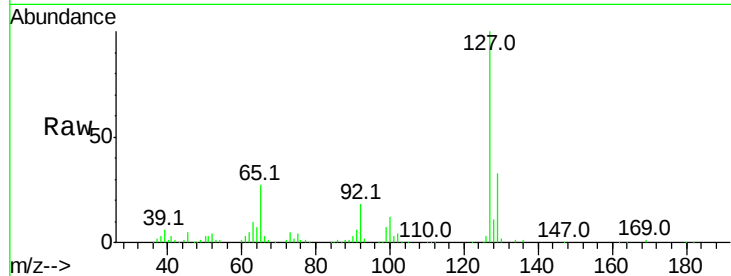
#33
4-Chloroaniline
Concen: 30.95 ng
RT: 8.25 min Scan# 535
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

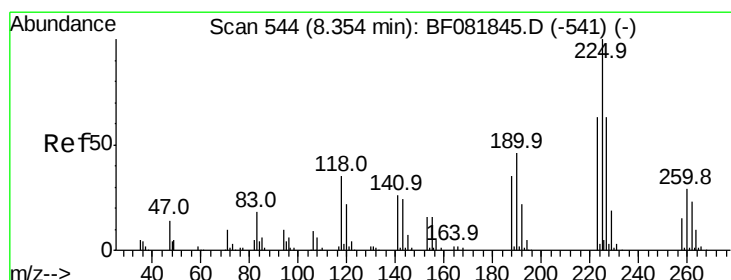
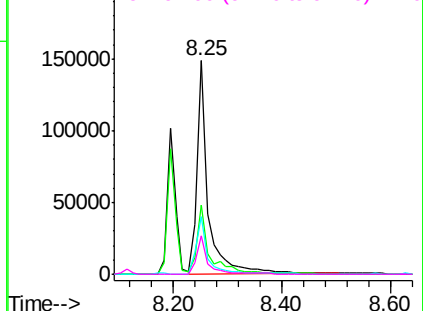
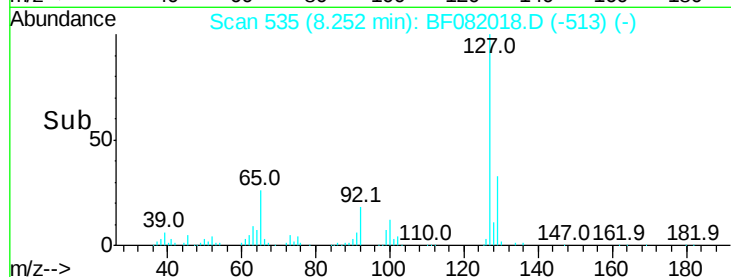
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	25.8	38.6		
65	27.1	17.9	26.9		
92	17.8	10.5	15.7		

Manual Integrations
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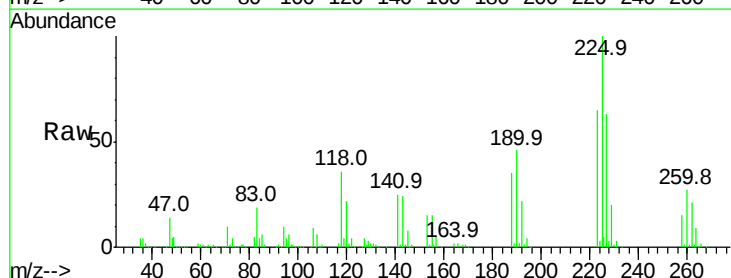


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

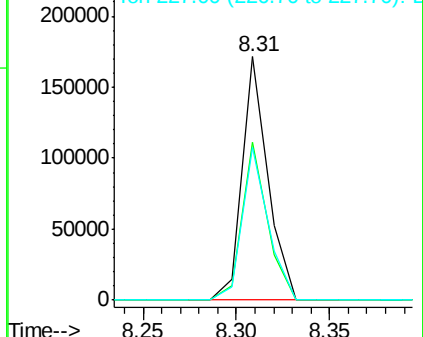
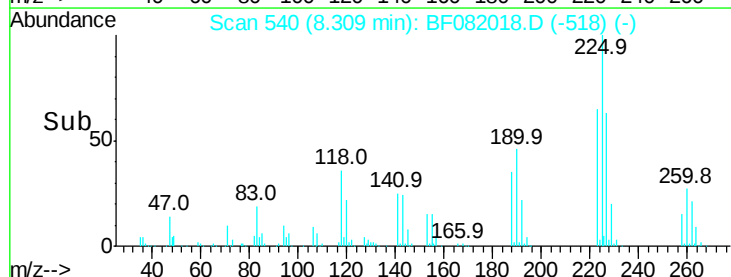


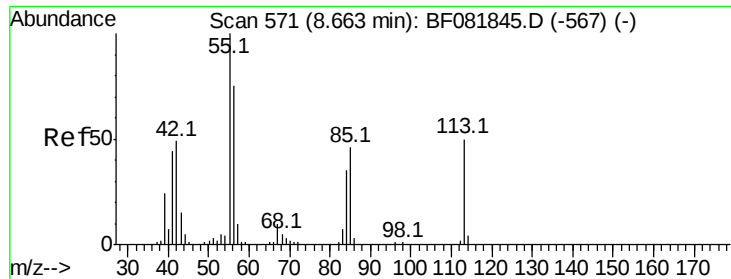
#34
Hexachlorobutadiene
Concen: 53.34 ng
RT: 8.31 min Scan# 540
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.8	50.2	75.2		
227	62.9	52.2	78.2		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 52.73 ng/mL

RT: 8.63 min Scan# 568

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

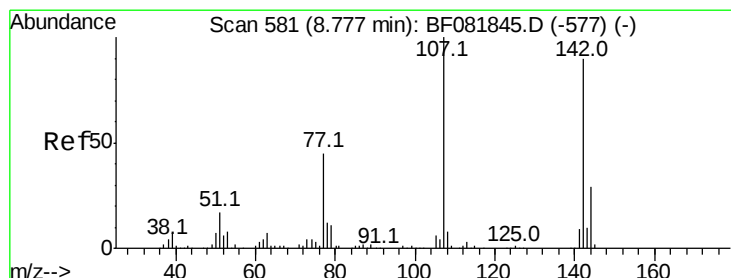
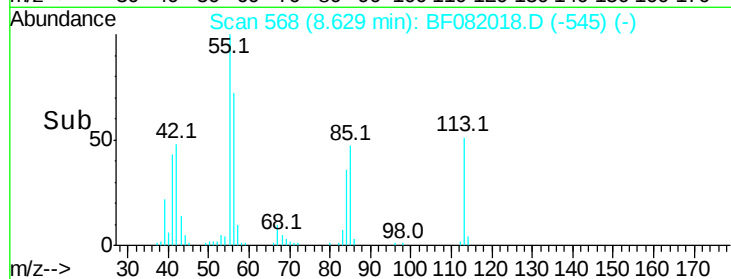
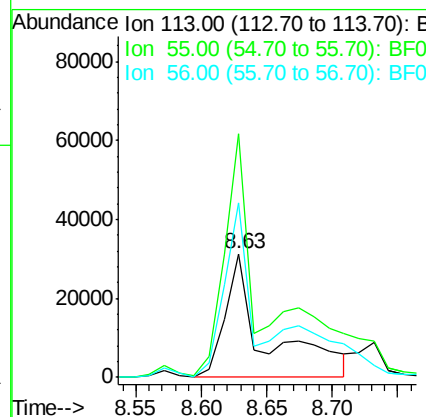
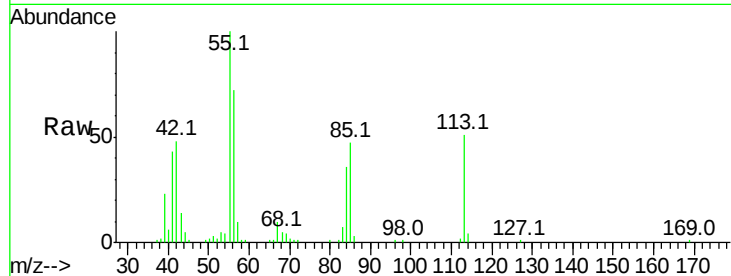
ClientSampleId :

P001-BF001-01MSD

Tot Ion:	113	Resp:	68113
Ion Ratio	Lower	Upper	
113	100		
55	197.3	152.4	192.4#
56	141.9	104.6	144.6

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#36

4-Chloro-3-methylphenol

Concen: 61.71 ng/mL

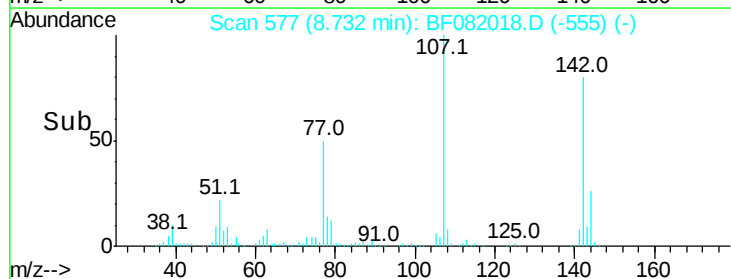
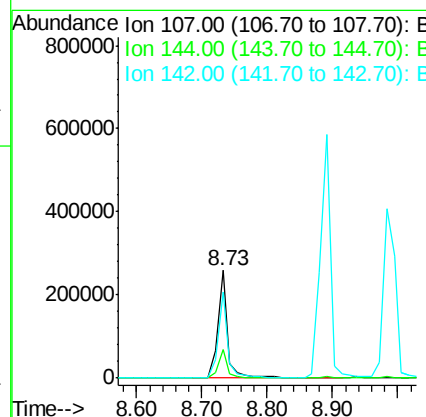
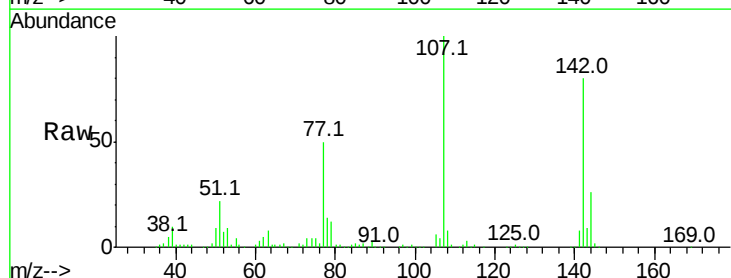
RT: 8.73 min Scan# 577

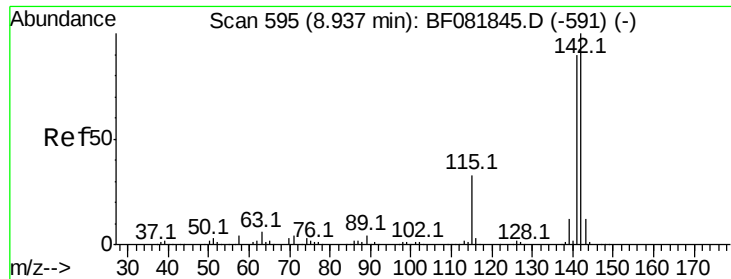
Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion:	107	Resp:	281564
Ion Ratio	Lower	Upper	
107	100		
144	26.2	25.4	38.0
142	80.3	77.3	115.9





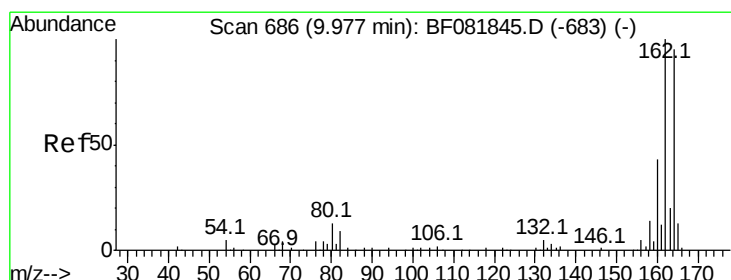
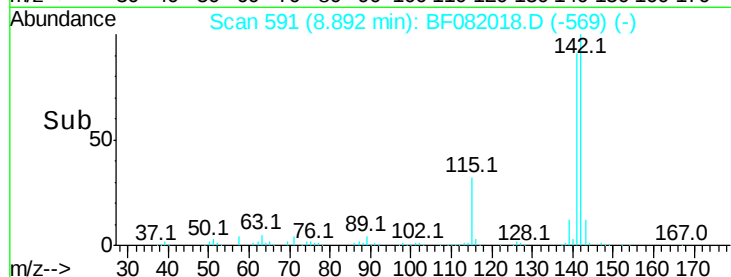
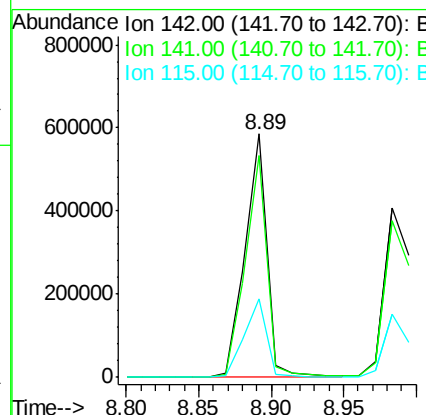
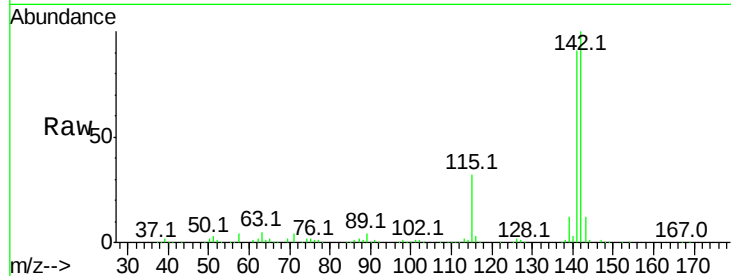
#37
2-Methylnaphthalene
Concen: 58.48 ng
RT: 8.89 min Scan# 591
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	618842		
141	90.9	67.5	101.3	
115	32.1	18.2	27.2	

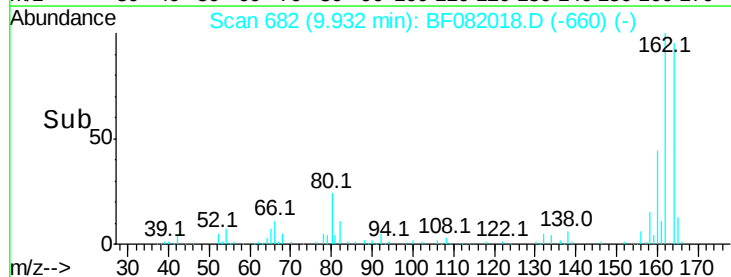
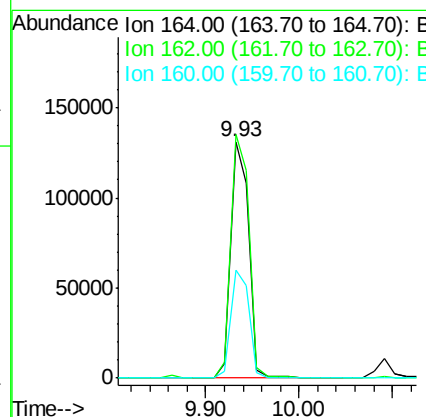
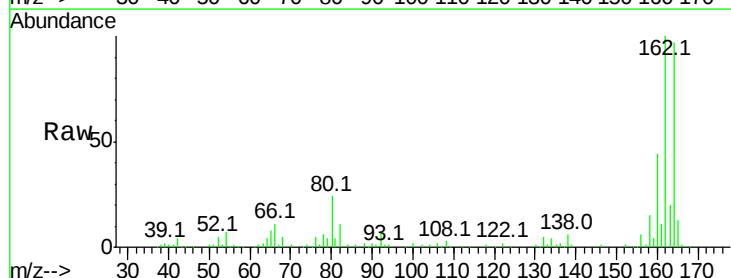
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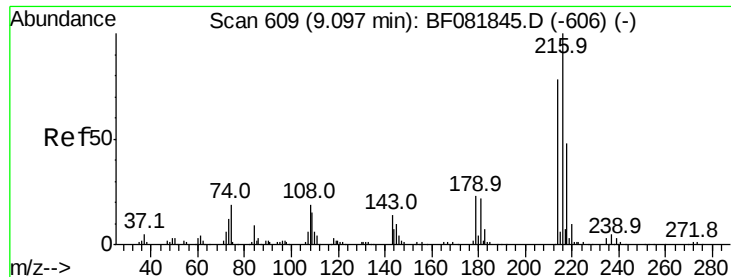
MMDADODA
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175674		
162	103.0	75.2	112.8	
160	45.5	31.5	47.3	





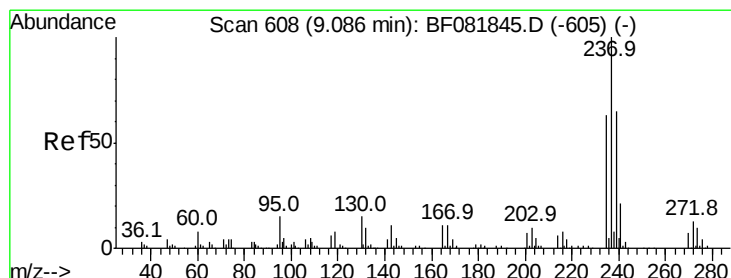
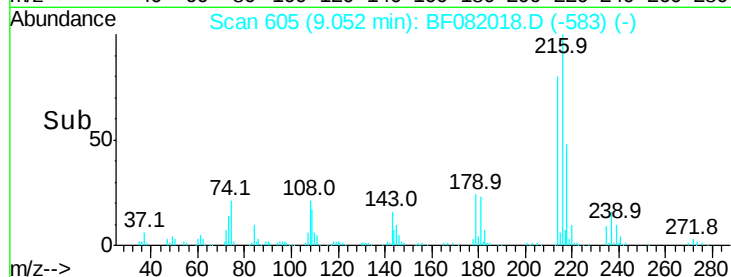
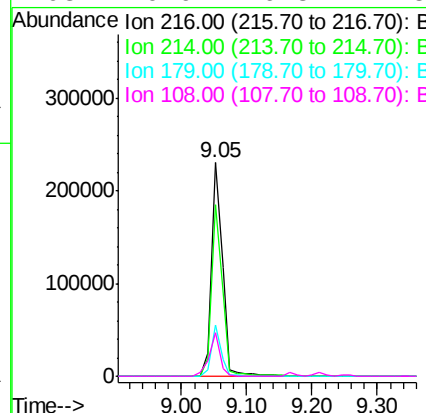
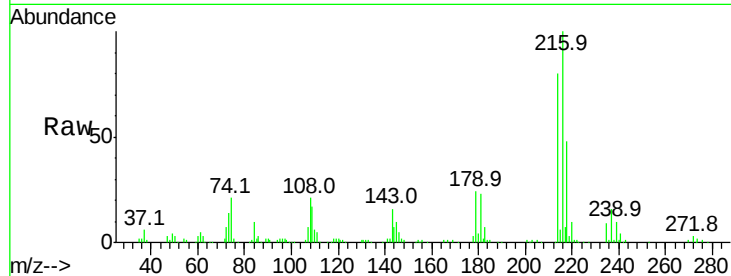
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 50.37 ng
 RT: 9.05 min Scan# 605
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	271661		
214	79.1	63.5	95.3	
179	21.1	16.6	24.8	
108	19.9	16.3	24.5	

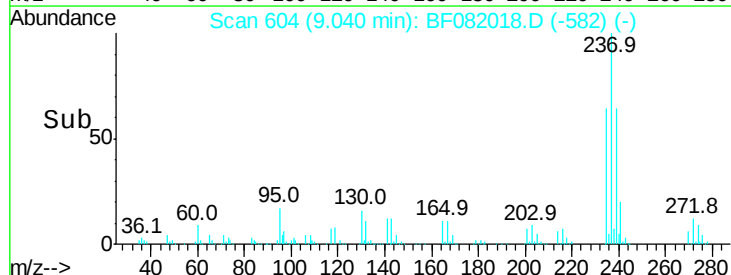
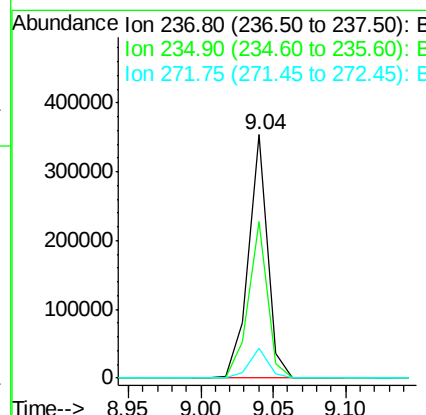
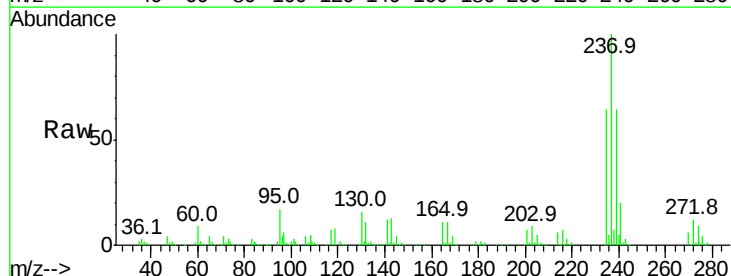
Manual Integrations
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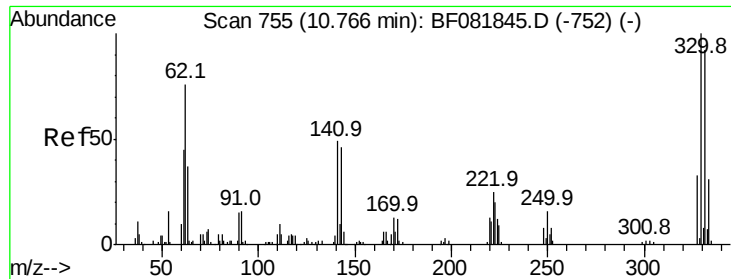
MMDADODA
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#40
 Hexachlorocyclopentadiene
 Concen: 116.93 ng
 RT: 9.04 min Scan# 604
 Delta R.T. -0.04 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	324746		
235	64.3	42.0	82.0	
272	12.1	0.0	36.1	





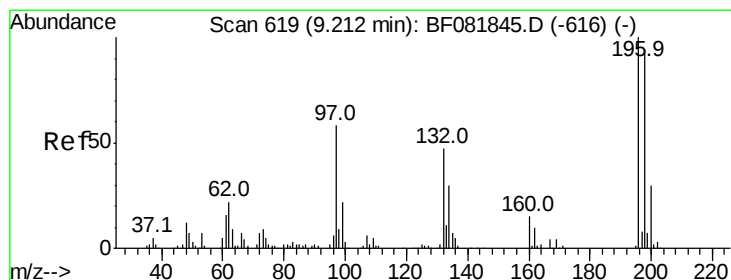
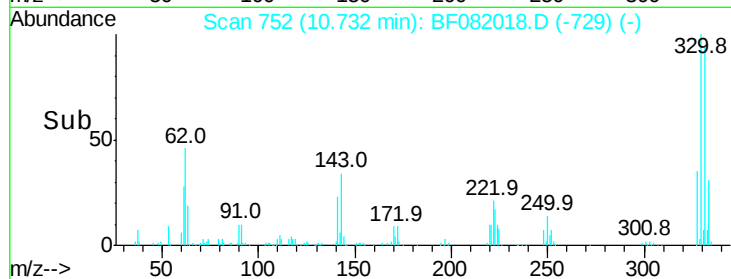
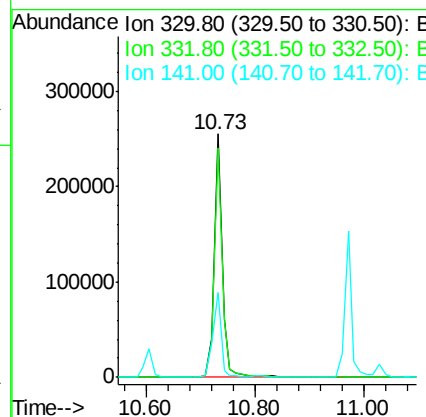
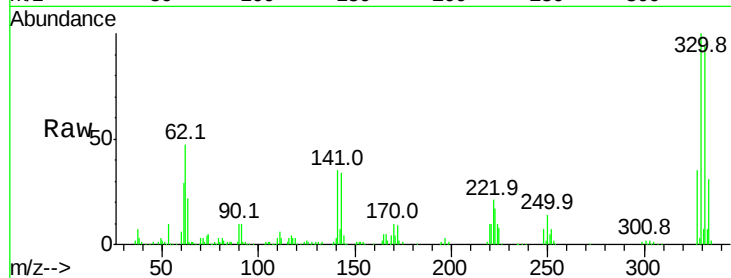
#41
 2,4,6-Tribromophenol
 Concen: 150.00 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	266869		
332	94.7	76.6	114.8	
141	34.8	29.7	44.5	

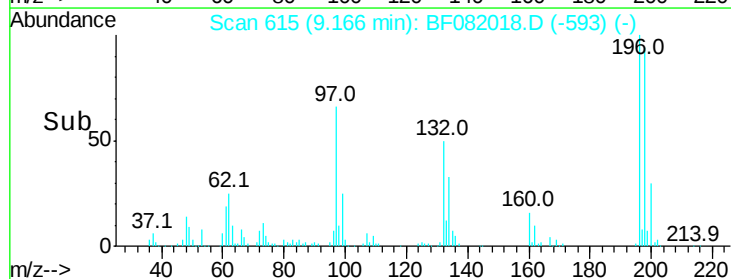
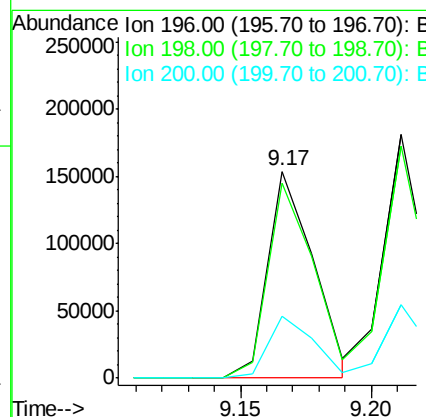
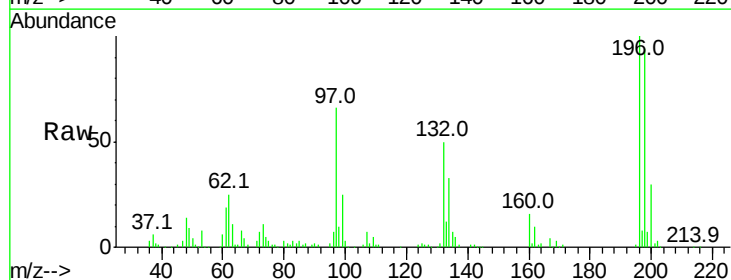
Manual Integrations
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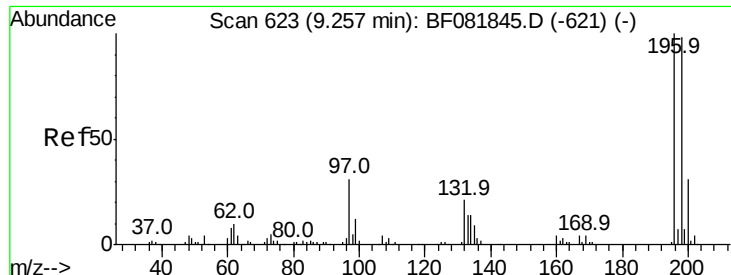
MMDADODA
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#42
 2,4,6-Trichlorophenol
 Concen: 50.73 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	187581		
198	94.3	75.7	113.5	
200	29.8	23.9	35.9	





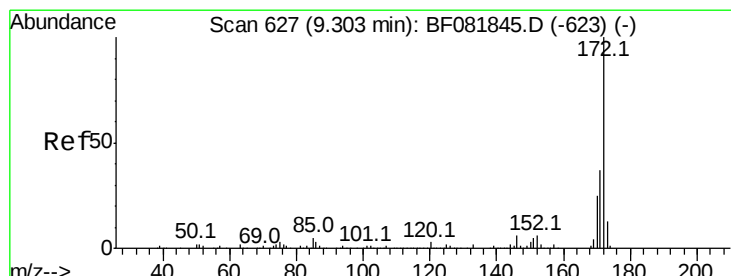
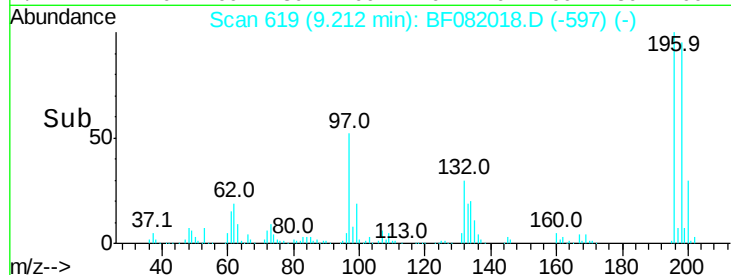
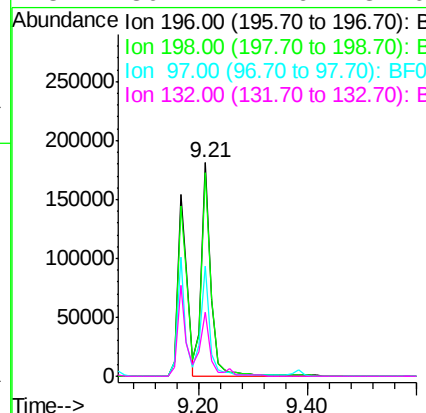
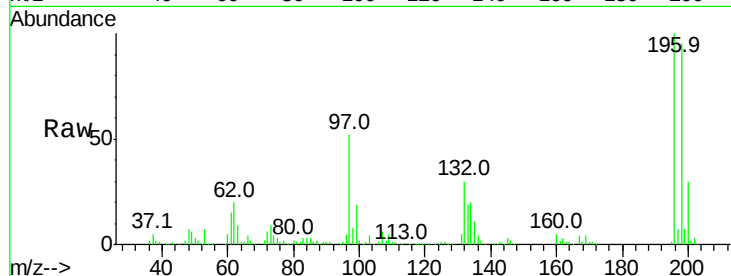
#43
 2,4,5-Trichlorophenol
 Concen: 57.26 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	217732		
198	95.2	75.4	113.0	
97	51.6	33.3	49.9	
132	30.1	24.6	37.0	

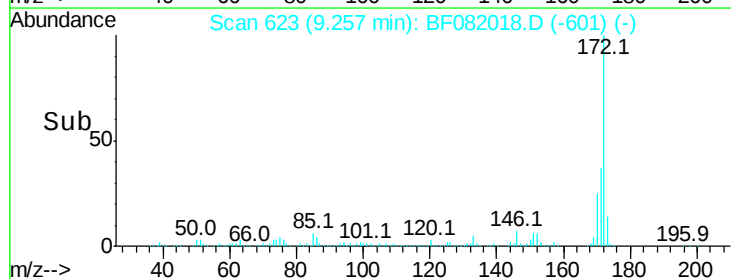
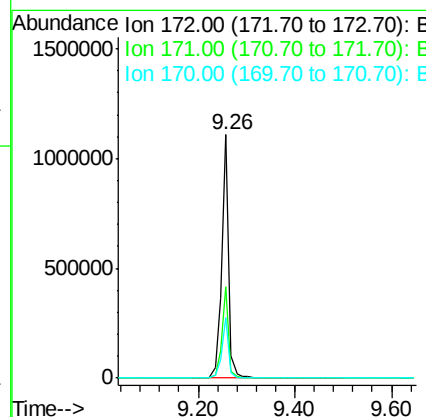
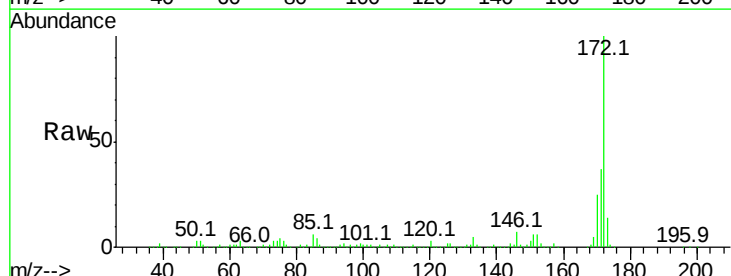
Manual Integrations
 APPROVED

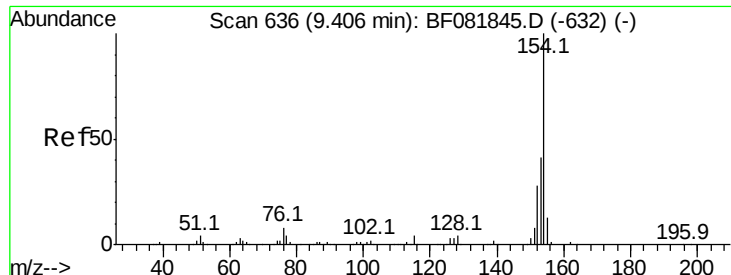
MMDADODA
 10/5/2015 6:29:21 PM



#44
 2-Fluorobiphenyl
 Concen: 117.62 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1144445		
171	37.3	26.1	39.1	
170	25.1	17.4	26.2	





#45

1,1'-Biphenyl

Concen: 58.04 ng

RT: 9.36 min Scan# 632

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

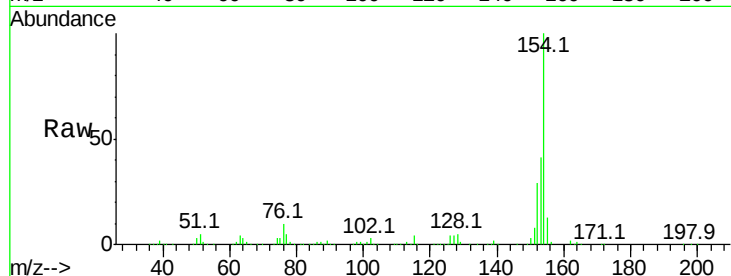
ClientSampleId :

P001-BF001-01MSD

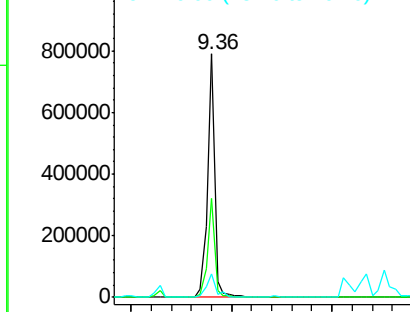
Tot Ion:	154	Resp:	786589
Ion Ratio	Lower	Upper	
154	100		
153	40.7	17.1	57.1
76	9.9	0.0	31.6

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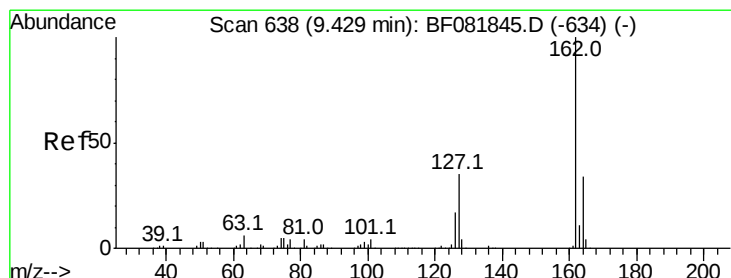
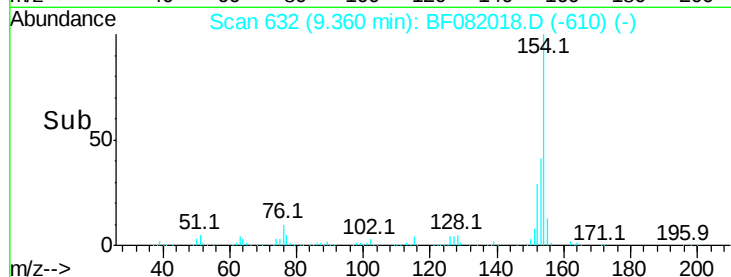
MMDADODA
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



Time-->



#46

2-Chloronaphthalene

Concen: 56.69 ng

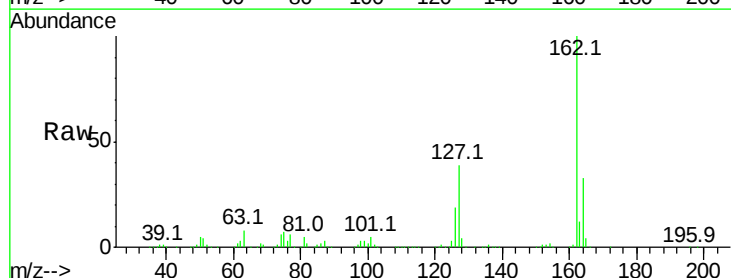
RT: 9.38 min Scan# 634

Delta R.T. -0.05 min

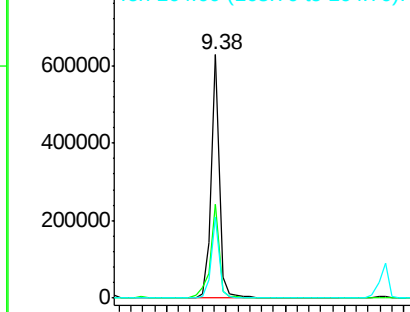
Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

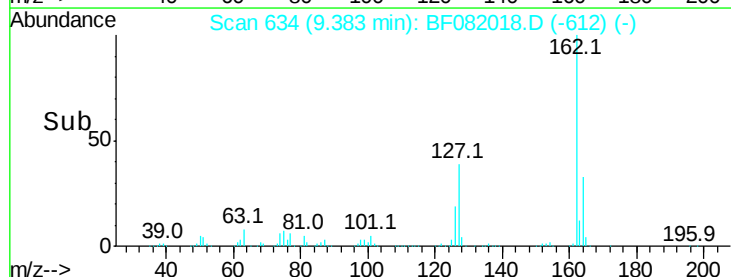
Tgt Ion:	162	Resp:	603269
Ion Ratio	Lower	Upper	
162	100		
127	38.8	27.6	41.4
164	33.2	25.4	38.2

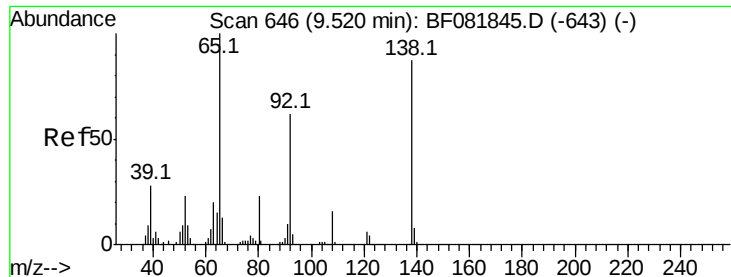


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->





#47

2-Nitroaniline

Concen: 58.04 ng

RT: 9.49 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

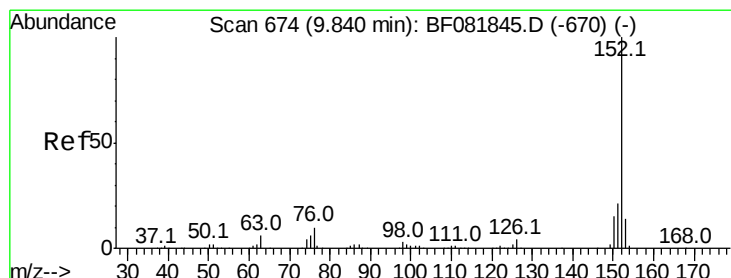
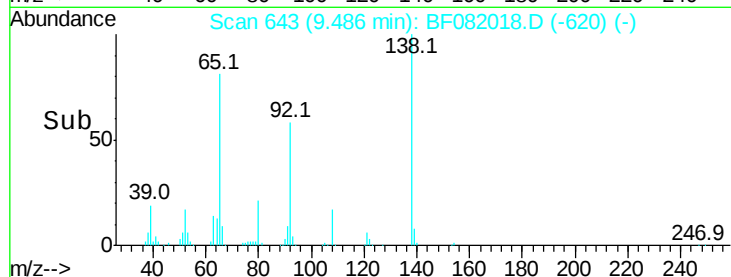
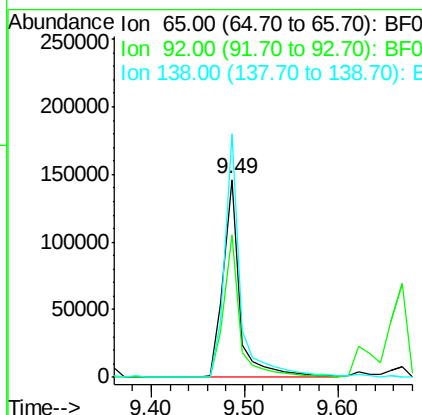
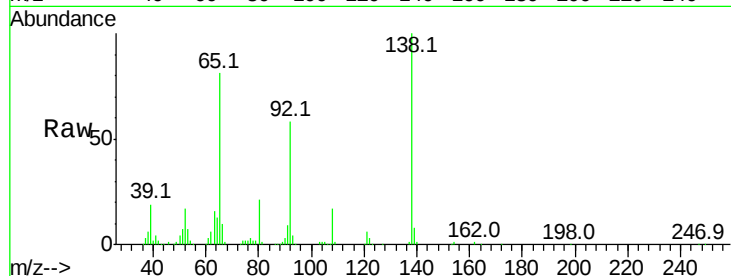
ClientSampleId :

P001-BF001-01MSD

Tot Ion:	65	Resp:	181314
Ion Ratio	Lower	Upper	
65	100		
92	71.8	55.4	83.0
138	123.1	115.5	173.3

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#48

Acenaphthylene

Concen: 51.87 ng

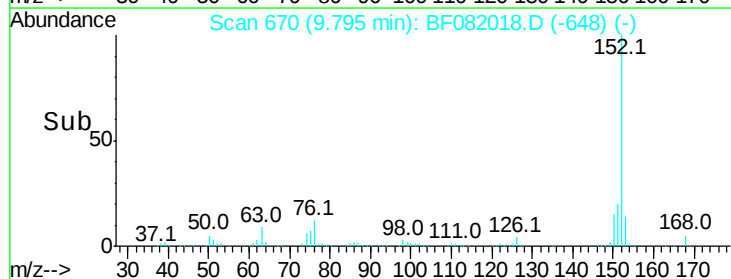
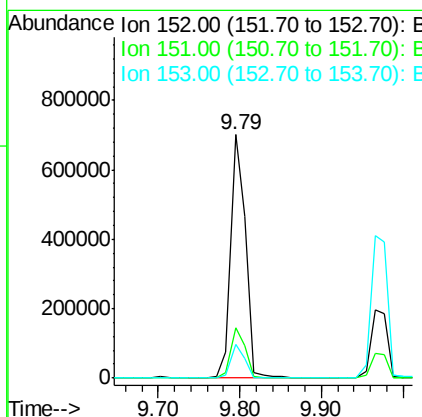
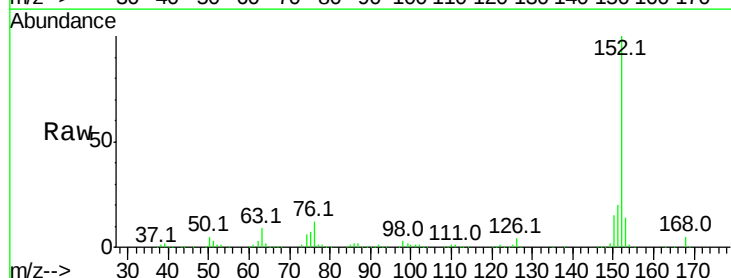
RT: 9.79 min Scan# 670

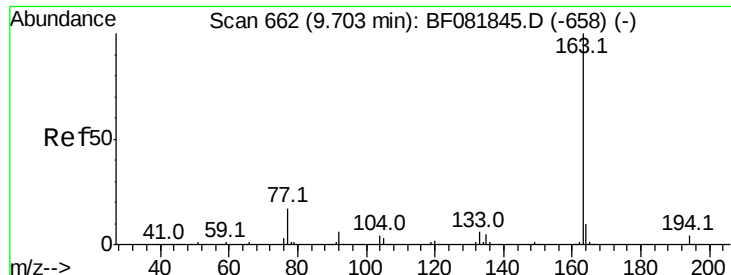
Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion:	152	Resp:	883409
Ion Ratio	Lower	Upper	
152	100		
151	20.5	14.6	22.0
153	13.9	10.3	15.5





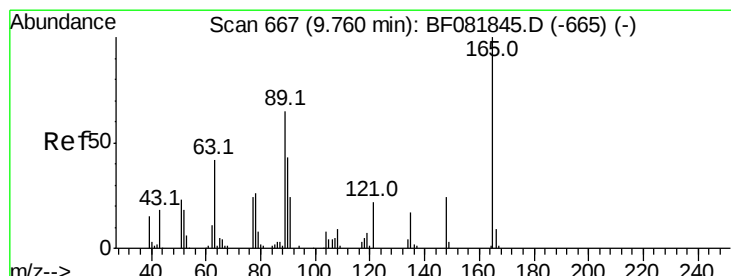
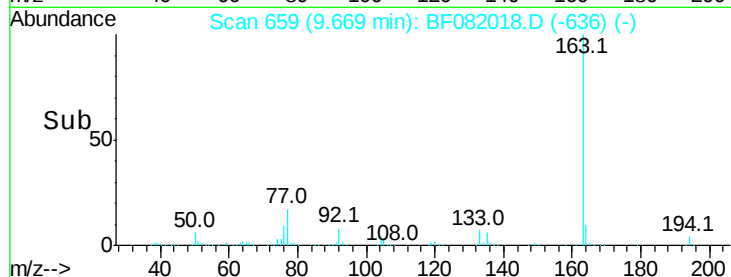
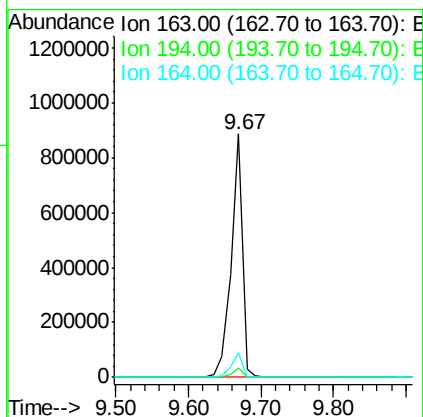
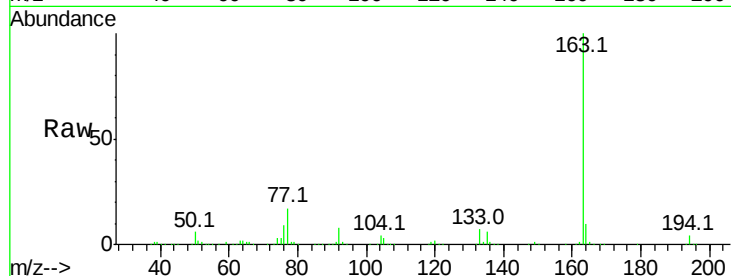
#49
Dimethylphthalate
Concen: 78.93 ng
RT: 9.67 min Scan# 659
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	957106		
194	3.7		4.4	6.6#
164	10.3		8.3	12.5

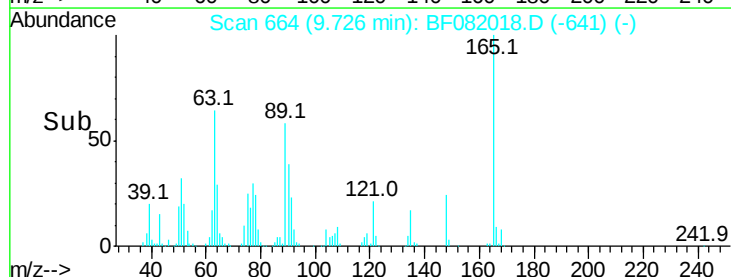
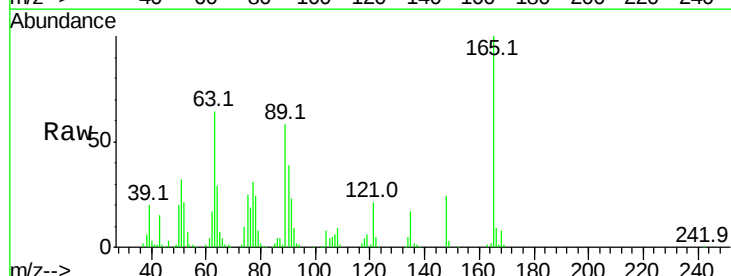
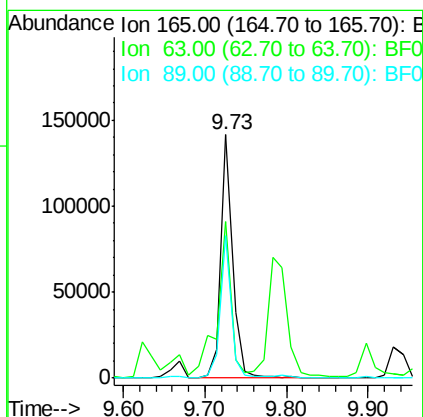
Manual Integrations
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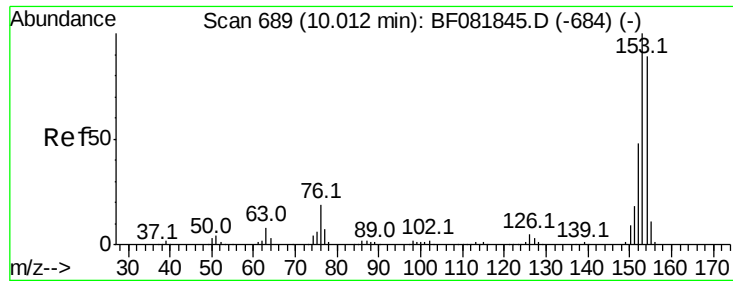
MMDADODA
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#50
2,6-Dinitrotoluene
Concen: 54.69 ng
RT: 9.73 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	143991		
63	64.4		32.3	48.5#
89	58.4		28.6	43.0#





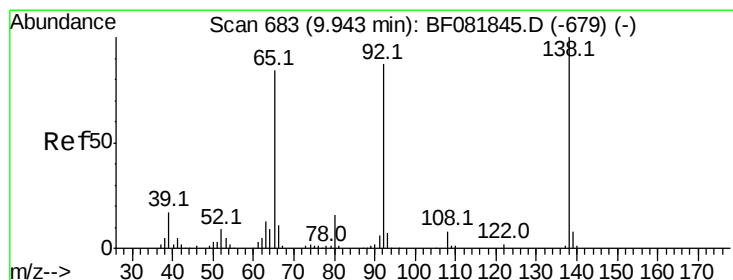
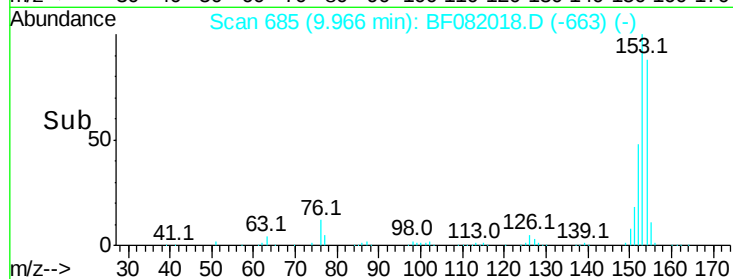
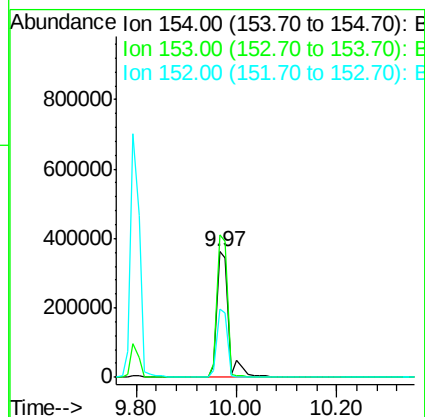
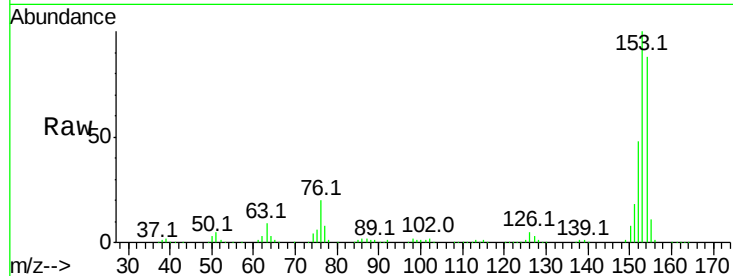
#51
Acenaphthene
Concen: 58.18 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.5	82.1	123.1
152	54.5	37.9	56.9

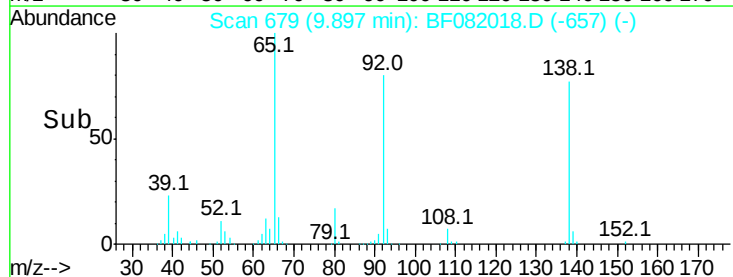
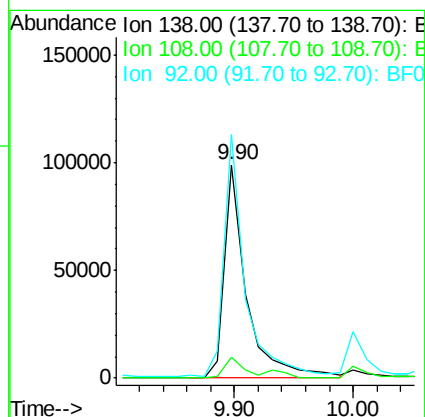
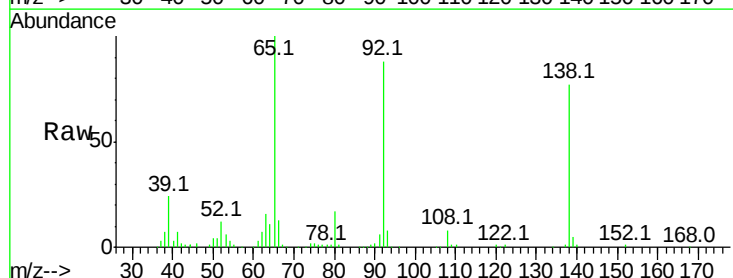
Manual Integrations
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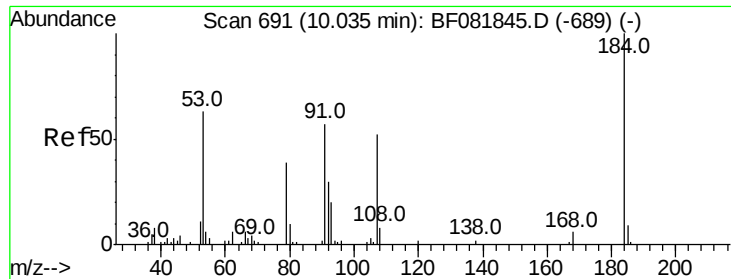
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#52
3-Nitroaniline
Concen: 41.88 ng
RT: 9.90 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.0	5.7	8.5#
92	114.2	67.7	101.5#





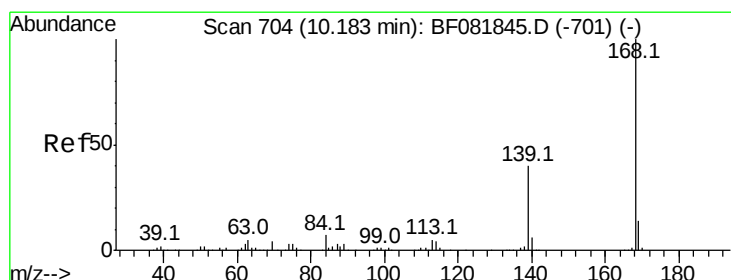
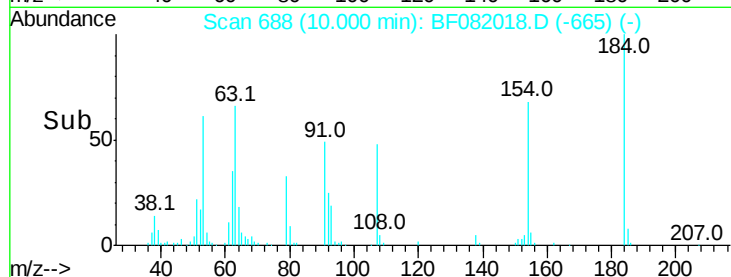
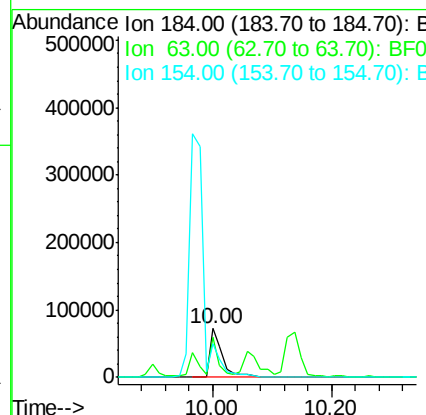
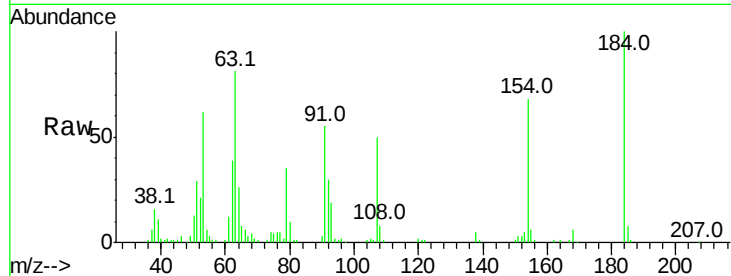
#53
2,4-Dinitrophenol
Concen: 81.65 ng
RT: 10.00 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	80.9	35.4	53.2#	
154	67.9	32.2	48.4#	

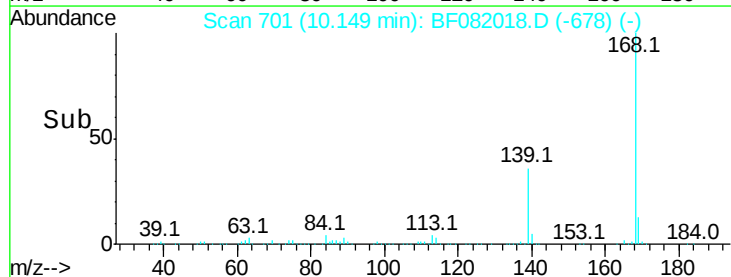
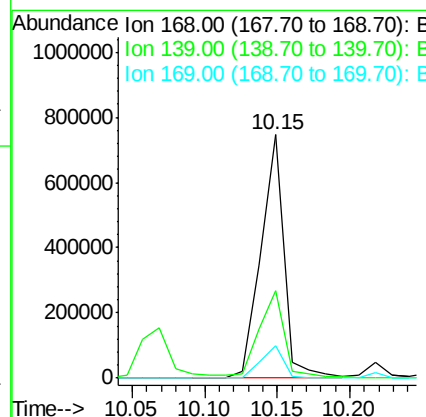
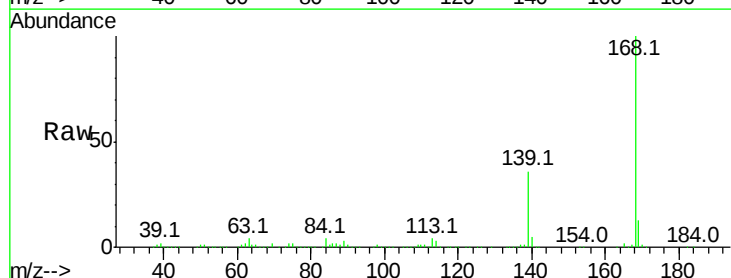
Manual Integrations
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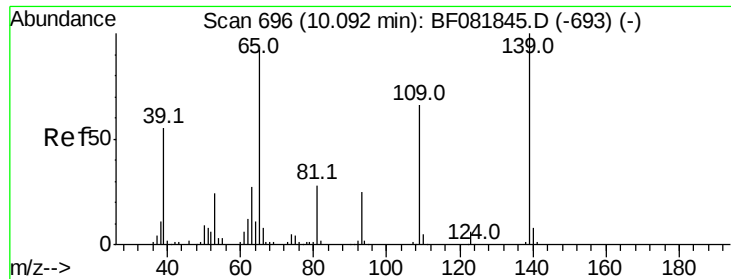
MMDADODA
10/5/2015 6:29:21 PM



#54
Dibenzofuran
Concen: 57.89 ng
RT: 10.15 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	35.9	24.2	36.2	
169	13.3	10.6	15.8	





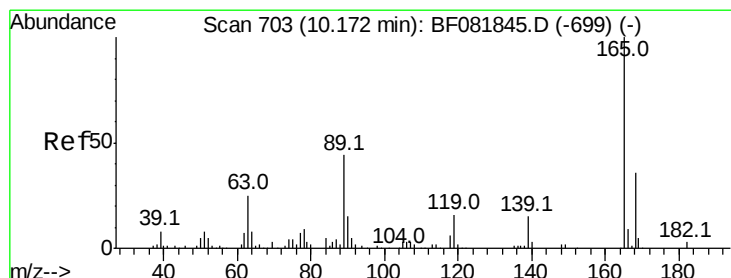
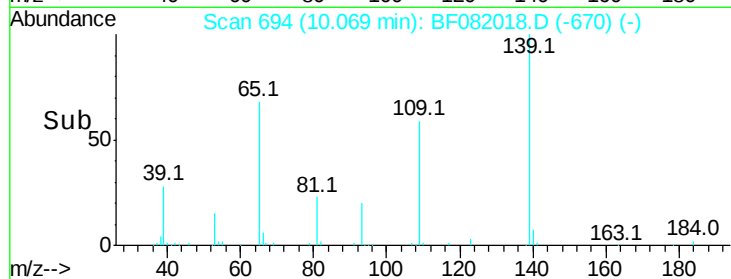
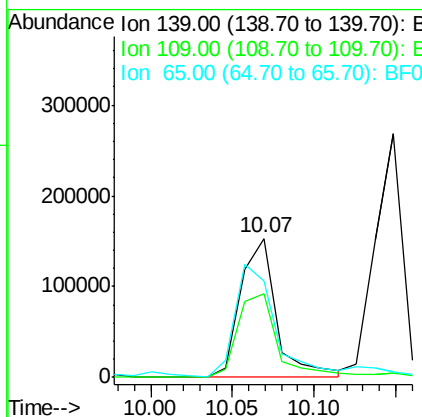
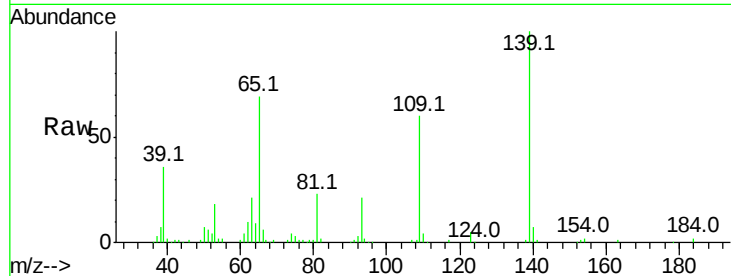
#55
4-Nitrophenol
Concen: 106.85 ng
RT: 10.07 min Scan# 694
Delta R.T. -0.02 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	60.1	12.7	52.7#	
65	69.0	45.9	85.9	

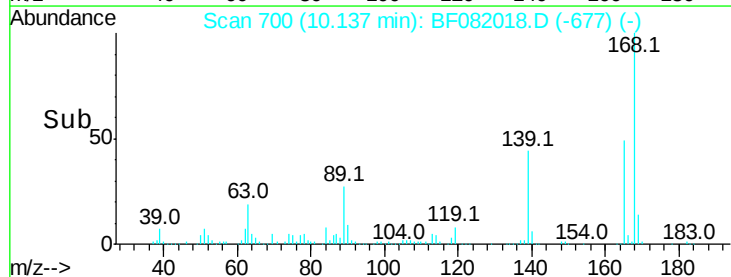
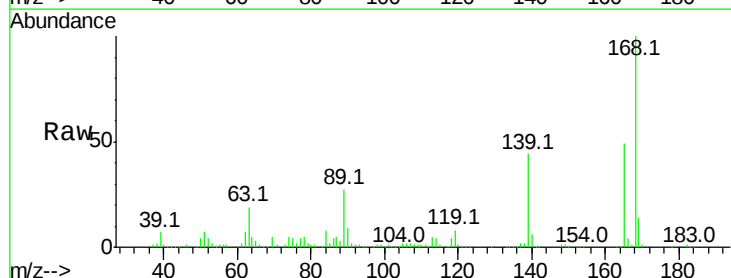
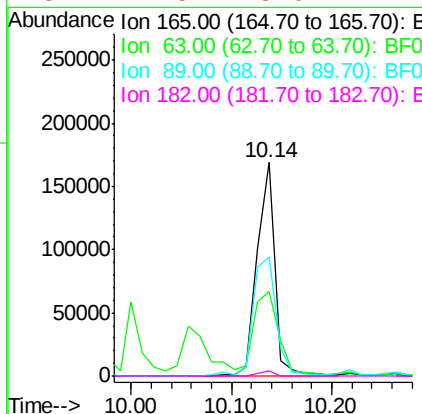
Manual Integrations
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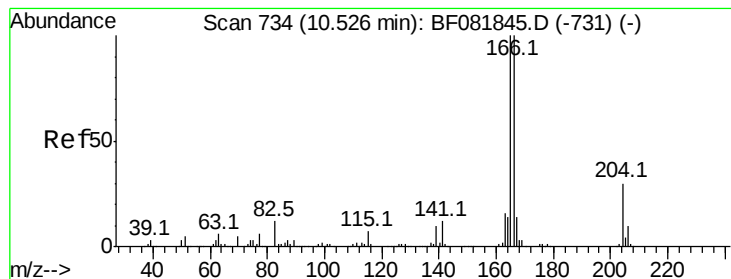
MMDADODA
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#56
2,4-Dinitrotoluene
Concen: 61.72 ng
RT: 10.14 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	39.3	29.8	44.6	
89	55.5	44.5	66.7	
182	2.5	3.0	4.4#	





#57

Fluorene

Concen: 66.31 ng

RT: 10.49 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

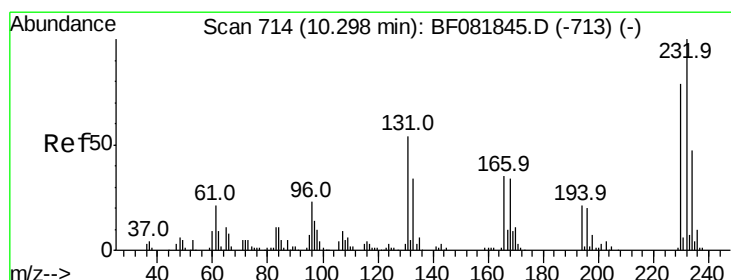
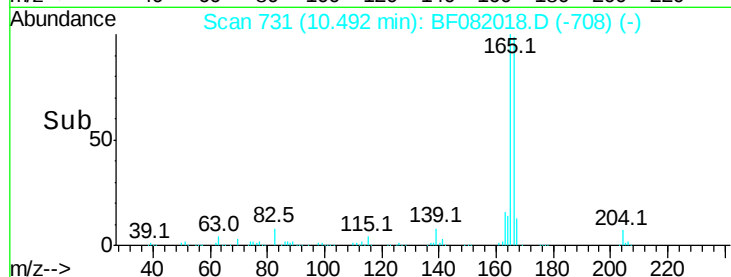
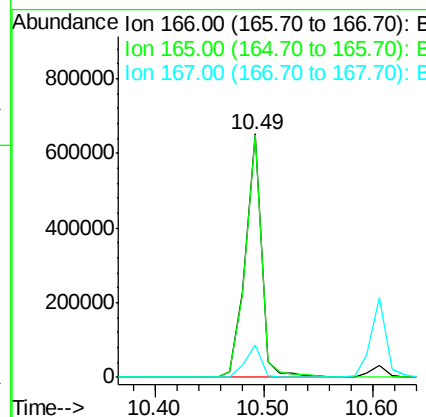
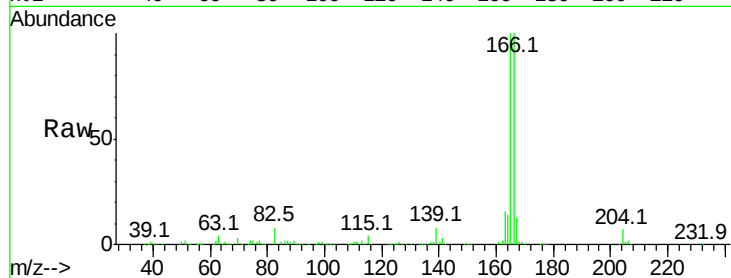
ClientSampleId :

P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	667515		
165	99.7	72.6	109.0	
167	13.4	10.6	16.0	

Manual Integrations
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10/5/2015 6:29:21 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 63.75 ng

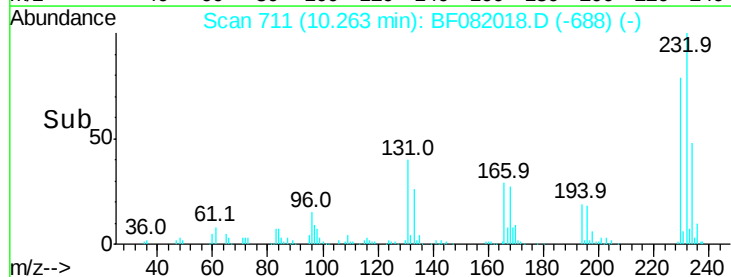
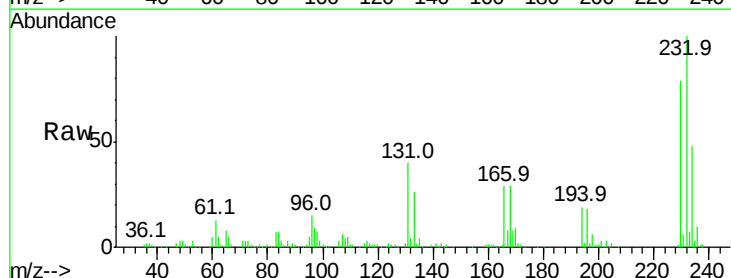
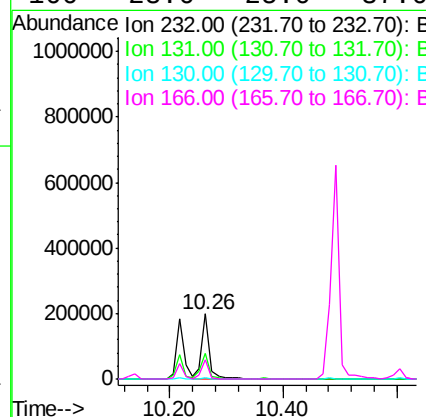
RT: 10.26 min Scan# 711

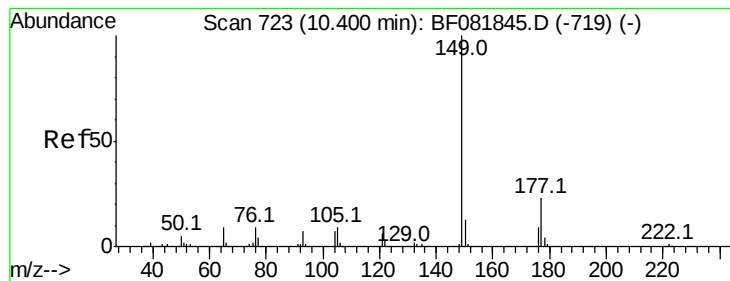
Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	192269		
131	42.8	38.5	57.7	
130	2.0	1.8	2.6	
166	28.6	25.0	37.6	





#59

Diethylphthalate

Concen: 56.00 ng

RT: 10.37 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

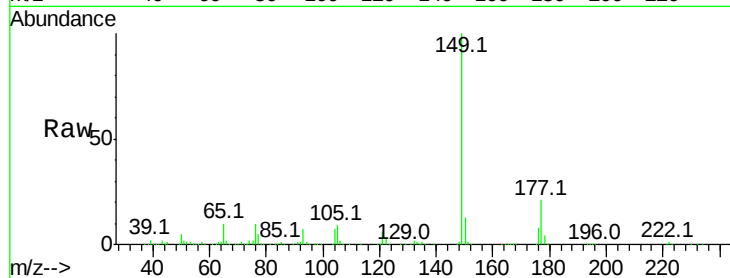
ClientSampleId :

P001-BF001-01MSD

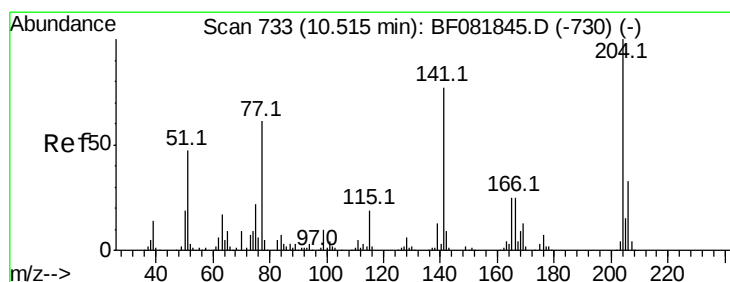
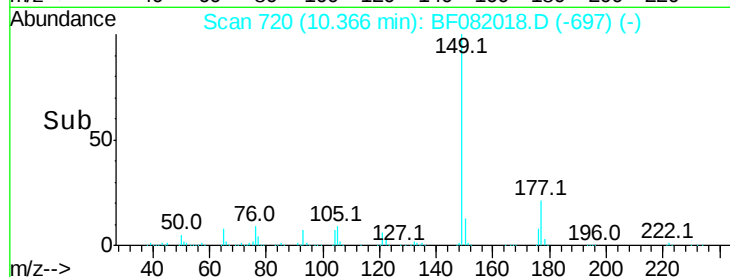
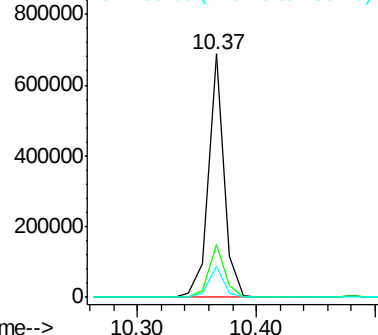
Tot Ion:	149	Resp:	634304
Ion Ratio	Lower	Upper	
149	100		
177	21.5	17.5	26.3
150	12.8	9.4	14.2

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



#60

4-Chlorophenyl-phenylether

Concen: 57.82 ng

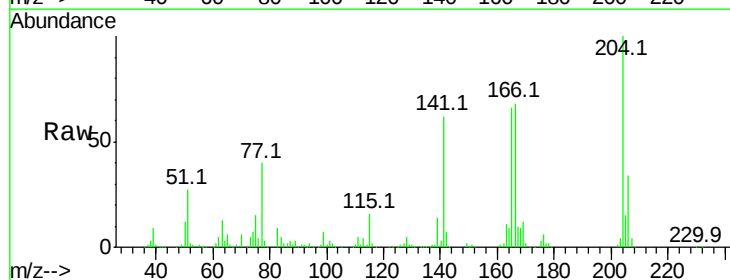
RT: 10.48 min Scan# 730

Delta R.T. -0.03 min

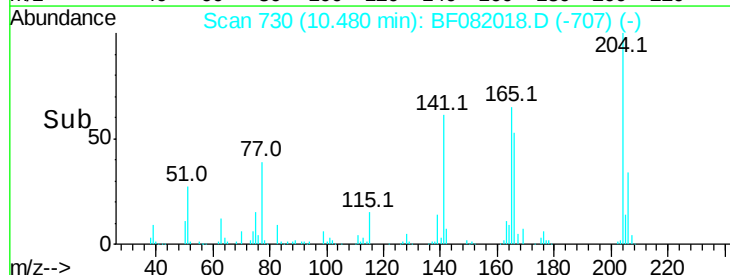
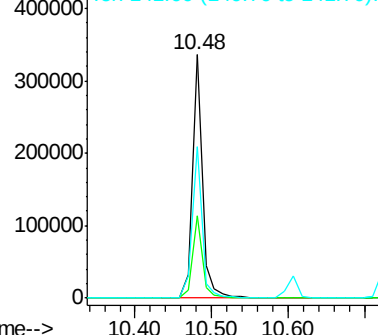
Lab File: BF082018.D

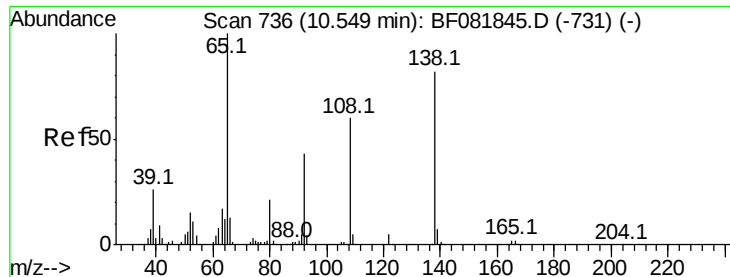
Acq: 3 Oct 2015 11:59

Tgt Ion:	204	Resp:	302595
Ion Ratio	Lower	Upper	
204	100		
206	33.9	24.8	37.2
141	62.1	42.2	63.4



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





#61

4-Nitroaniline

Concen: 54.78 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

ClientSampleId :

P001-BF001-01MSD

Tot Ion:138 Resp: 167278

Ion Ratio Lower Upper

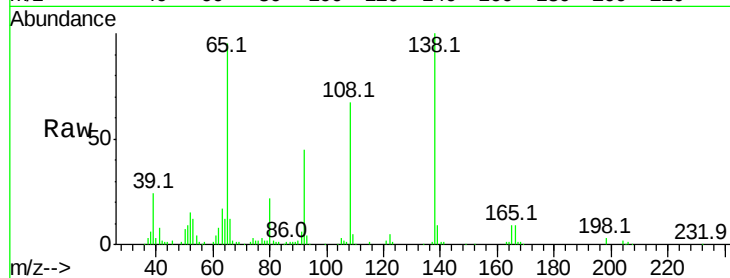
138 100

92 45.5 12.6 52.6

108 67.2 12.4 52.4#

Manual Integrations
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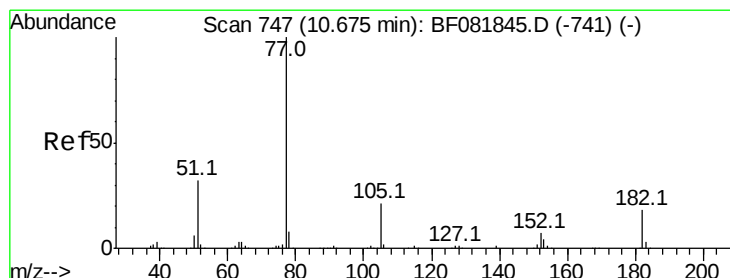
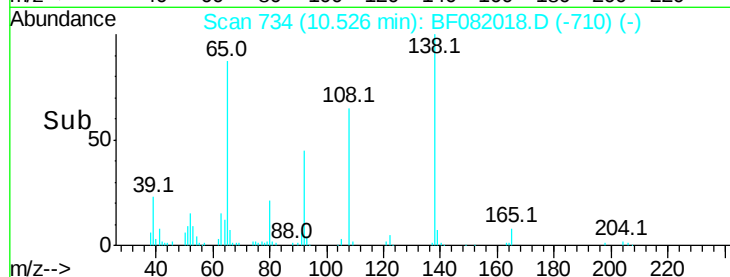
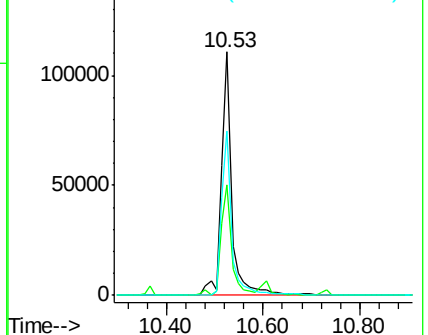
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 59.54 ng

RT: 10.64 min Scan# 744

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion: 77 Resp: 658186

Ion Ratio Lower Upper

77 100

182 24.5 15.1 55.1

105 23.0 3.4 43.4

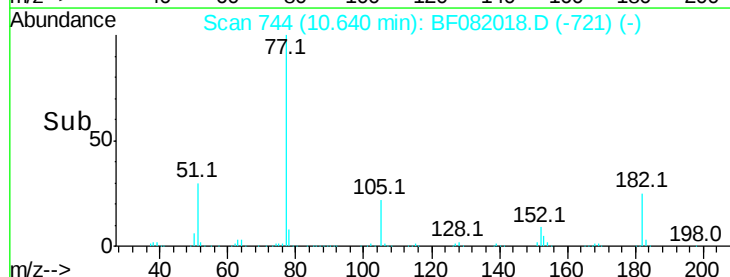
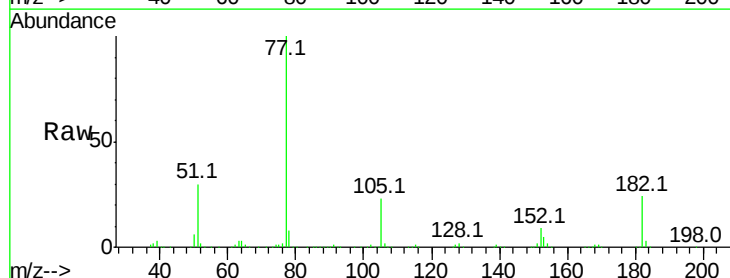
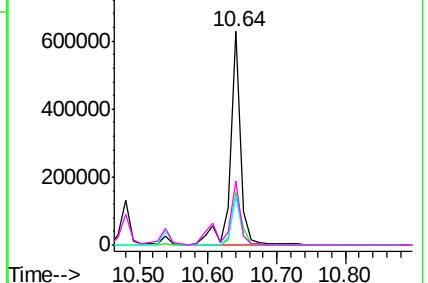
51 29.9 12.0 52.0

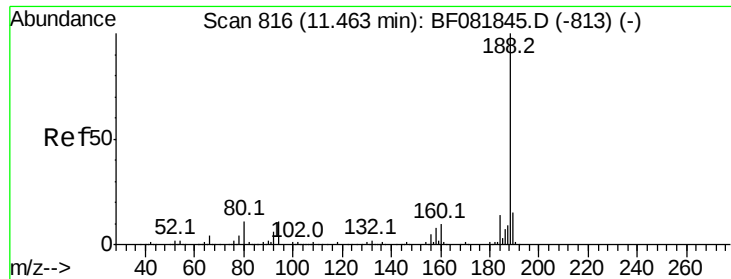
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





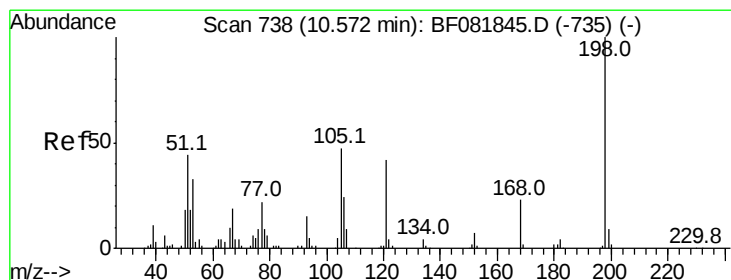
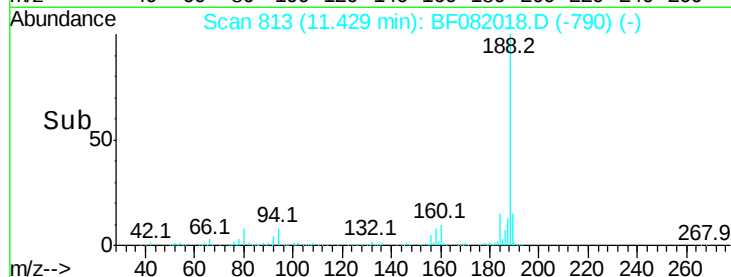
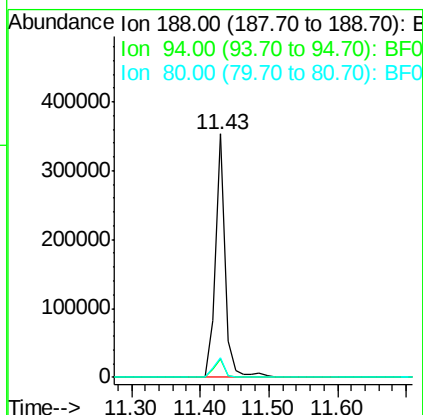
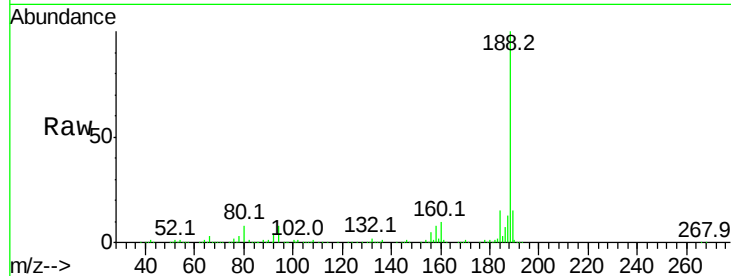
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.8	11.1	16.7#	
80	8.1	11.0	16.4#	

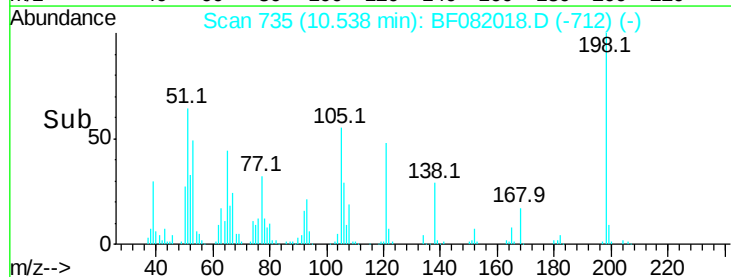
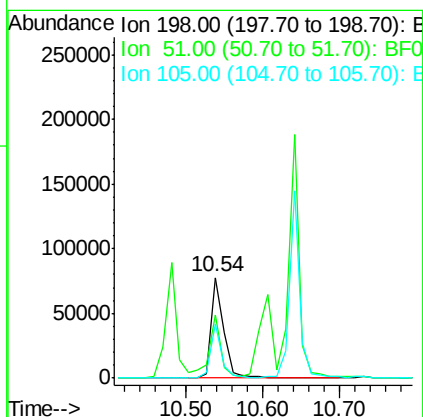
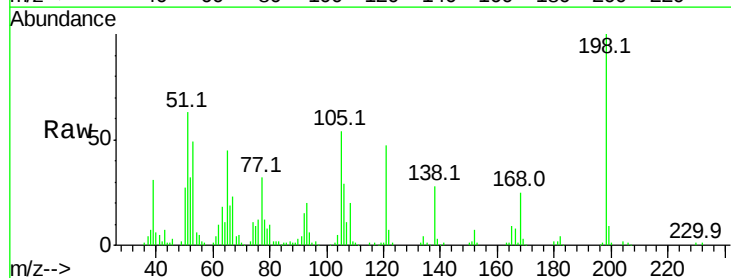
Manual Integrations
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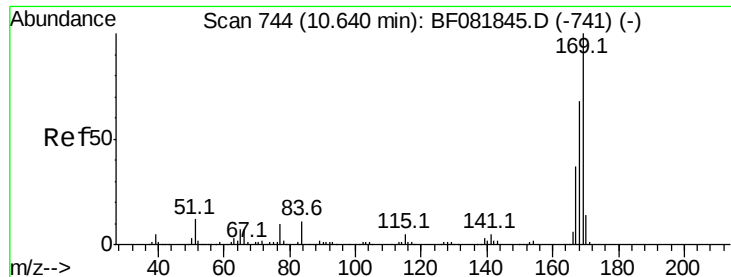
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#64
4,6-Dinitro-2-methylphenol
Concen: 53.28 ng
RT: 10.54 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	63.2	39.6	79.6	
105	53.6	28.5	68.5	





#65

n-Nitrosodiphenylamine

Concen: 52.40 ng

RT: 10.61 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

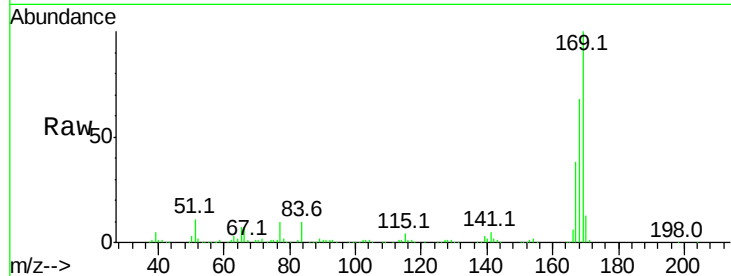
ClientSampleId :

P001-BF001-01MSD

Tot Ion:	169	Resp:	565742
Ion Ratio	Lower	Upper	
169	100		
168	68.1	48.9	73.3
167	37.6	26.2	39.4

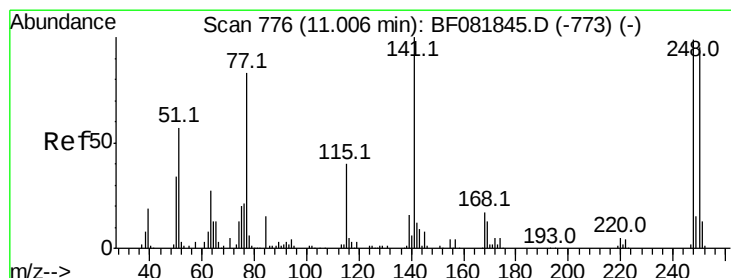
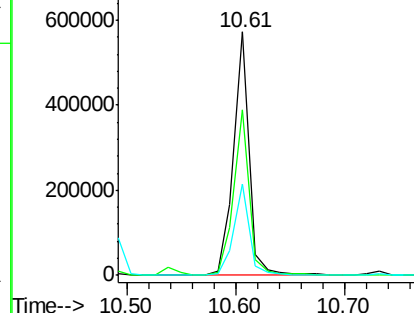
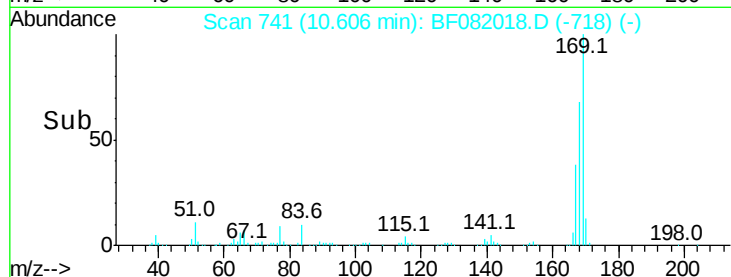
Manual Integrations
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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

10.61



#66

4-Bromophenyl-phenylether

Concen: 55.99 ng

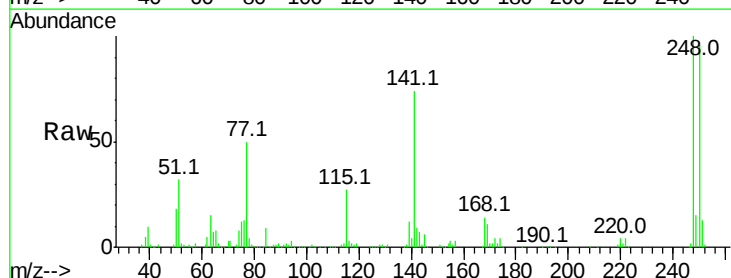
RT: 10.97 min Scan# 773

Delta R.T. -0.03 min

Lab File: BF082018.D

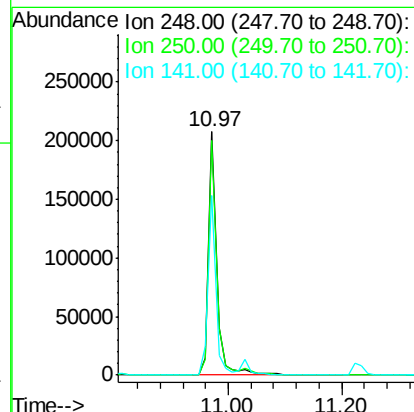
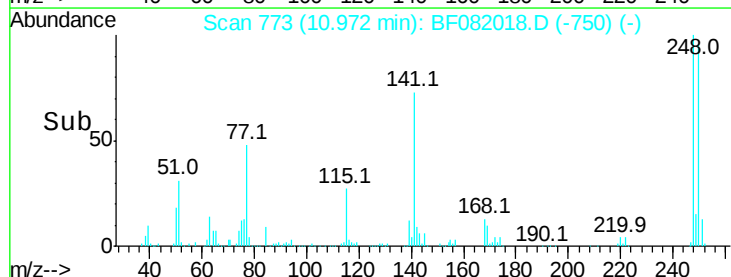
Acq: 3 Oct 2015 11:59

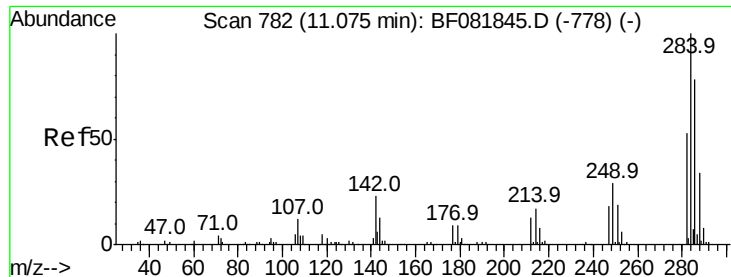
Tgt Ion:	248	Resp:	201436
Ion Ratio	Lower	Upper	
248	100		
250	96.3	78.5	117.7
141	73.9	59.0	88.6



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

10.97





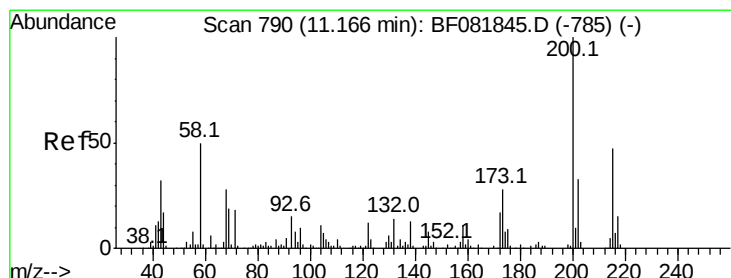
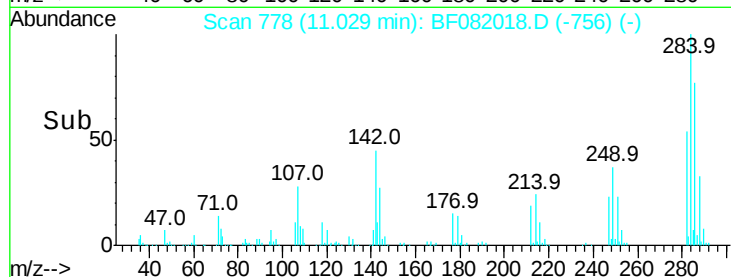
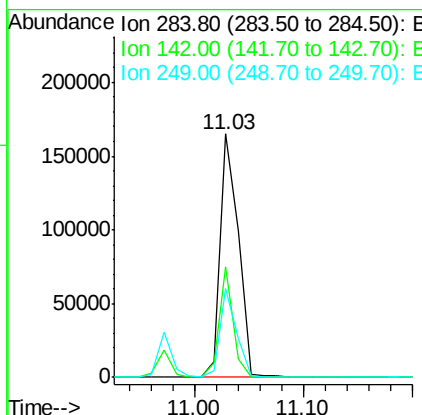
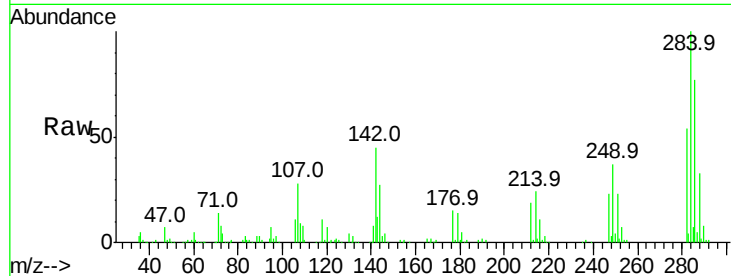
#67
Hexachlorobenzene
Concen: 47.42 ng
RT: 11.03 min Scan# 778
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	45.2	29.5	44.3	
249	36.7	19.5	29.3	

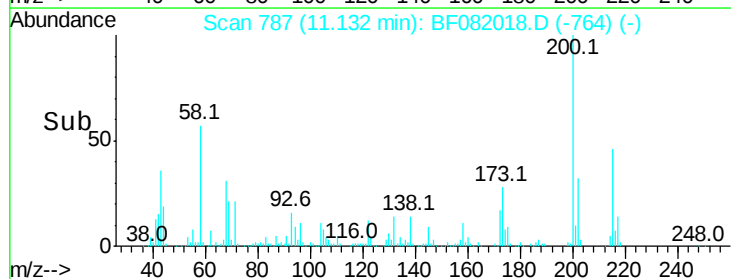
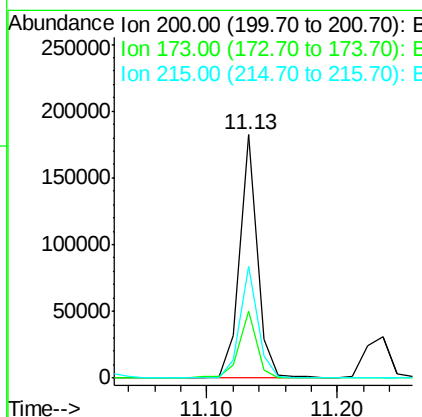
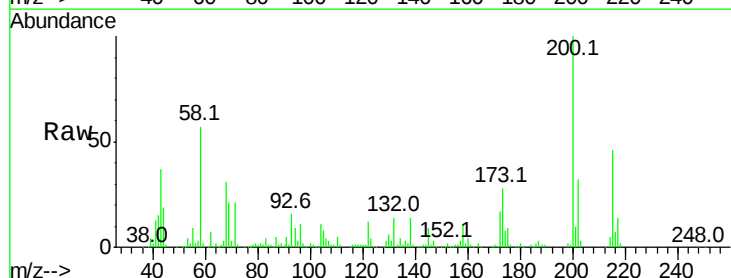
Manual Integrations
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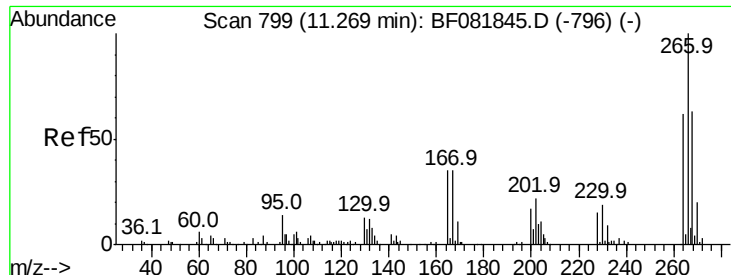
MMDADODA
10/5/2015 6:29:21 PM



#68
Atrazine
Concen: 51.34 ng
RT: 11.13 min Scan# 787
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.7	13.2	53.2	
215	46.2	41.8	81.8	





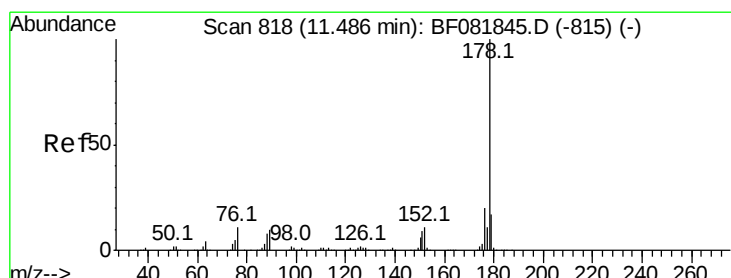
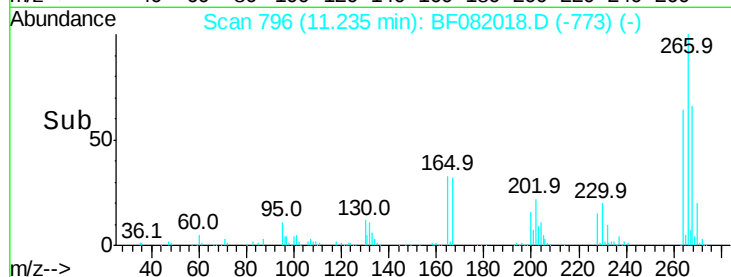
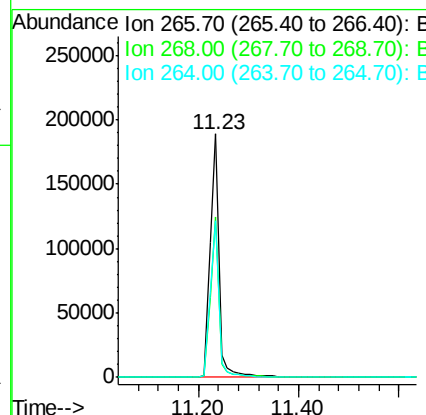
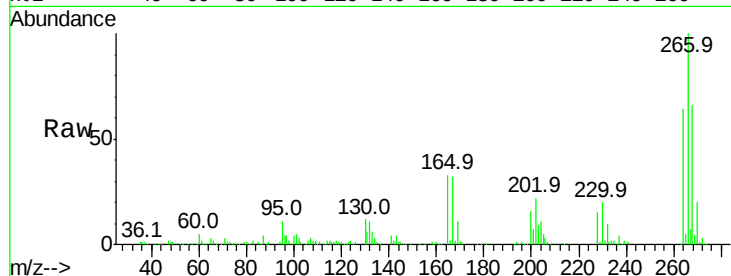
#69
 Pentachlorophenol
 Concen: 101.26 ng
 RT: 11.23 min Scan# 796
 Delta R.T. -0.03 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	234281		
268	65.7	49.8	74.6	
264	64.1	50.2	75.2	

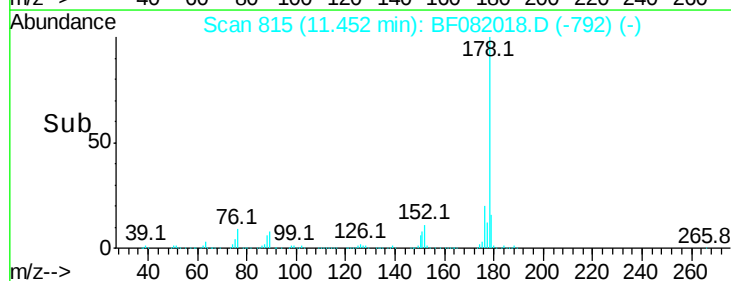
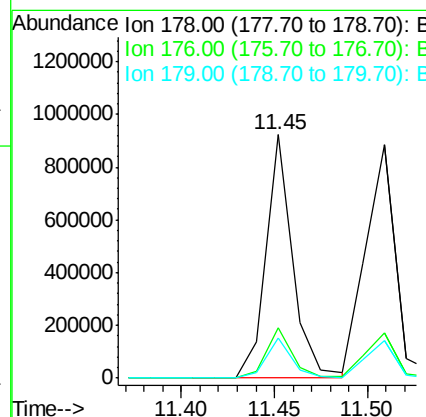
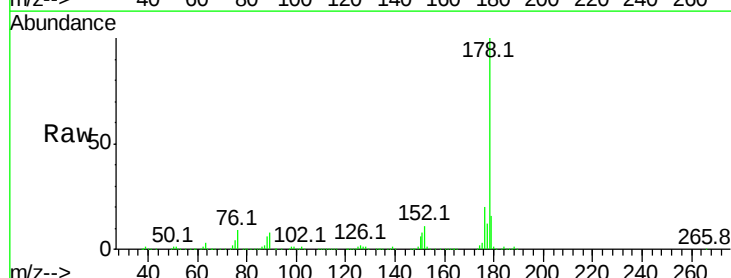
Manual Integrations
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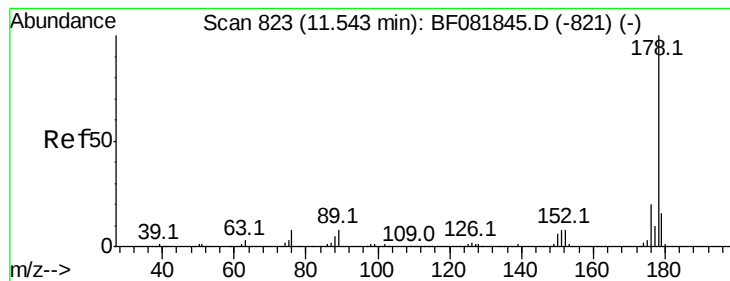
MMDADODA
 10/5/2015 6:29:21 PM



#70
 Phenanthrene
 Concen: 53.19 ng
 RT: 11.45 min Scan# 815
 Delta R.T. -0.03 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	908238		
176	20.4	13.8	20.8	
179	16.2	12.2	18.2	





#71

Anthracene

Concen: 56.58 ng

RT: 11.51 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

ClientSampleId :

P001-BF001-01MSD

Tot Ion:178 Resp: 1026178

Ion Ratio Lower Upper

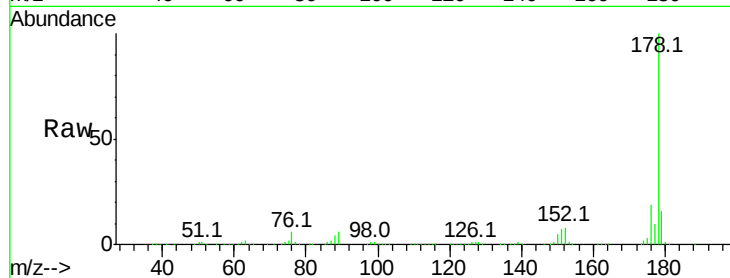
178 100

176 19.5 14.1 21.1

179 15.9 12.2 18.2

Manual Integrations
APPROVED

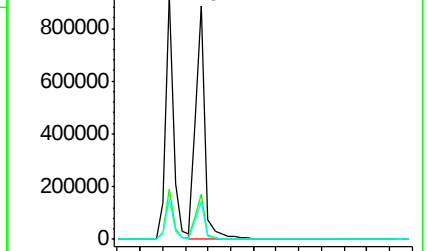
MMDADODA
10/5/2015 6:29:21 PM



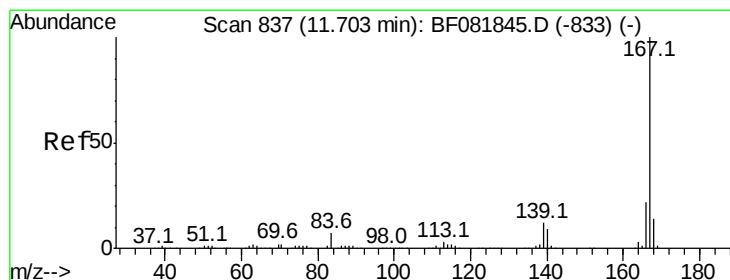
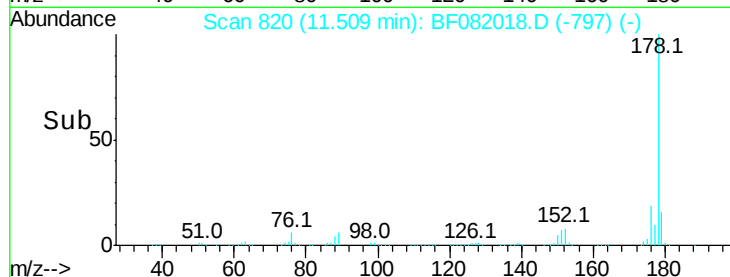
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 54.09 ng

RT: 11.66 min Scan# 833

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

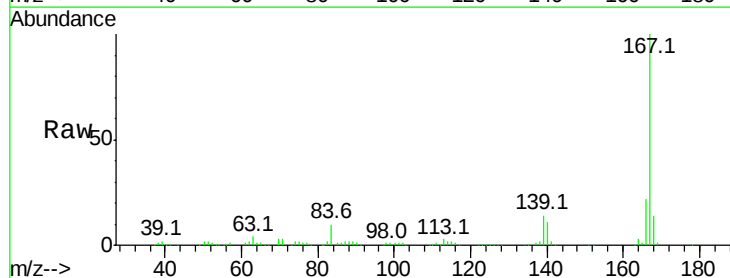
Tgt Ion:167 Resp: 887860

Ion Ratio Lower Upper

167 100

166 22.0 15.7 23.5

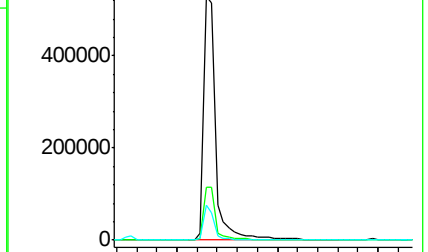
139 14.4 9.5 14.3#



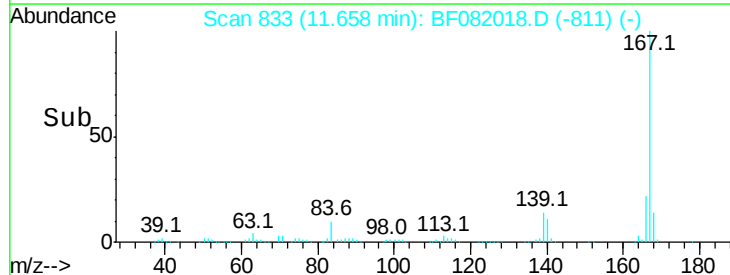
Abundance Ion 167.00 (166.70 to 167.70): E

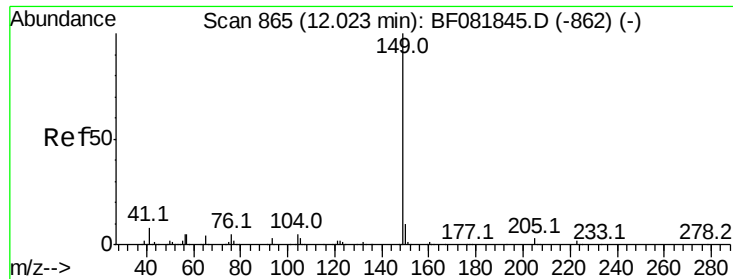
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#73

Di-n-butylphthalate

Concen: 57.55 ng

RT: 11.99 min Scan# 862

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

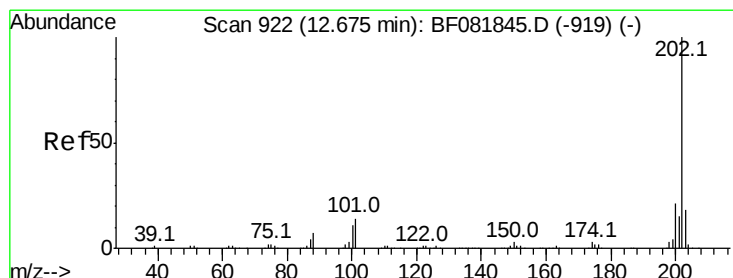
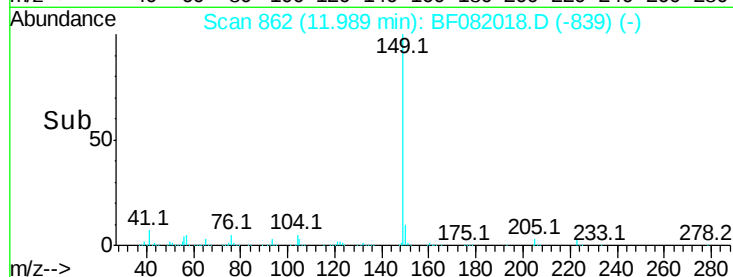
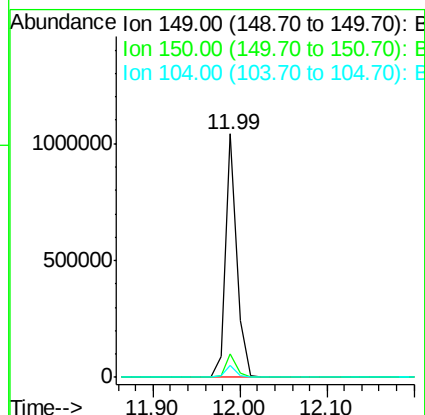
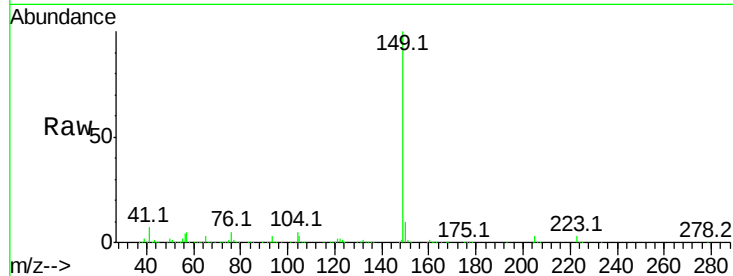
ClientSampleId :

P001-BF001-01MSD

Tot Ion:	149	Resp:	955991
Ion Ratio	Lower	Upper	
149	100		
150	9.7	7.4	11.2
104	5.0	2.4	3.6#

Manual Integrations
APPROVED

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10/5/2015 6:29:21 PM



#74

Fluoranthene

Concen: 49.98 ng

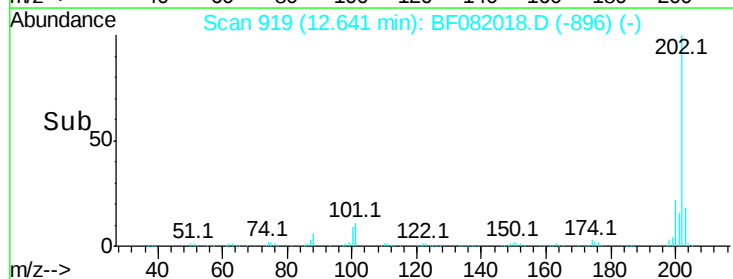
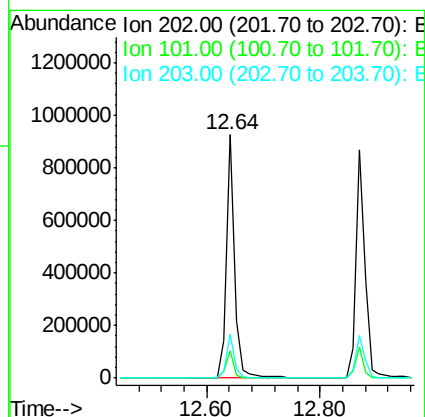
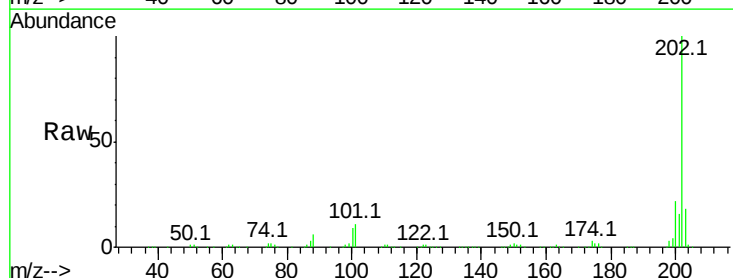
RT: 12.64 min Scan# 919

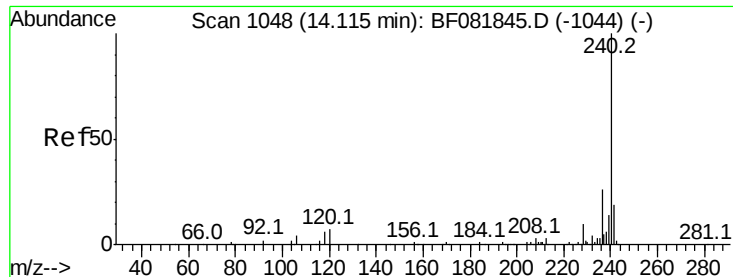
Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion:	202	Resp:	955421
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	38.3
203	18.2	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

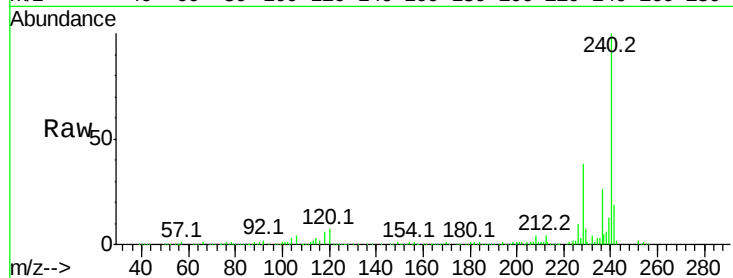
ClientSampleId :

P001-BF001-01MSD

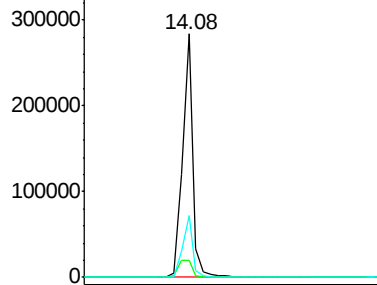
Tot Ion:	240	Resp:	316372
Ion Ratio	Lower	Upper	
240	100		
120	6.7	16.2	24.2#
236	25.7	18.4	27.6

Manual Integrations
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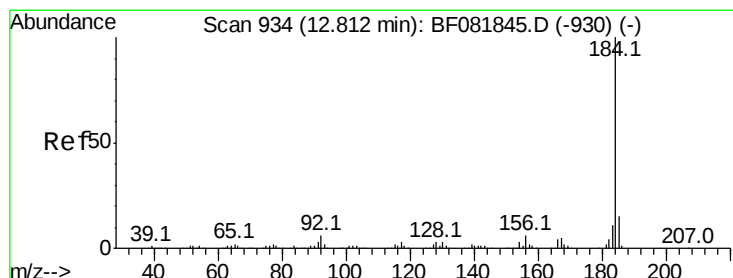
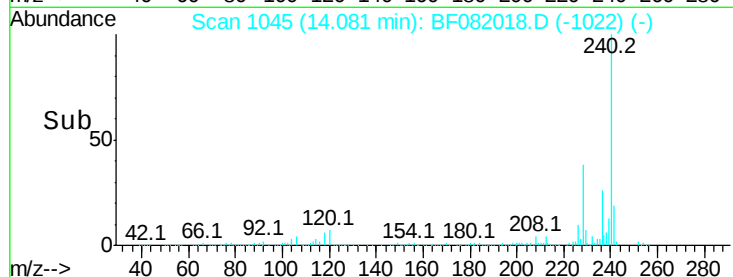
MMDADODA
10/5/2015 6:29:21 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 3.47 ng

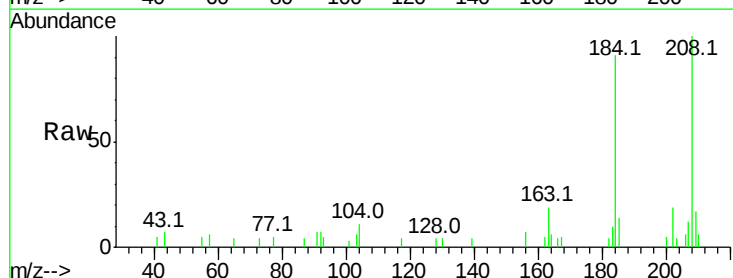
RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

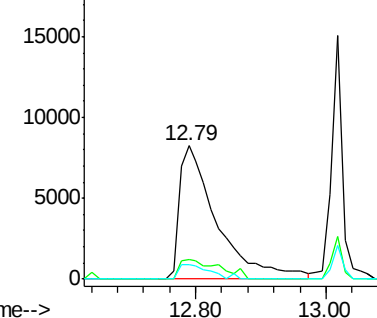
Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

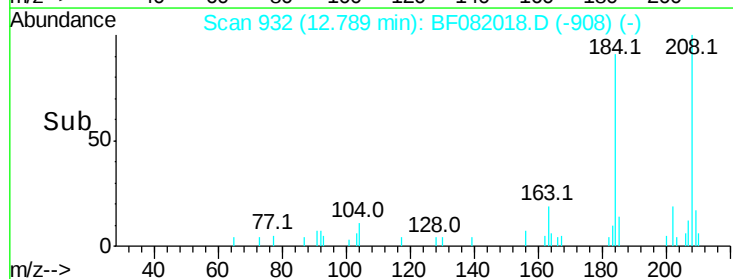
Tgt Ion:	184	Resp:	33038
Ion Ratio	Lower	Upper	
184	100		
185	15.1	11.8	17.6
183	11.3	7.6	11.4

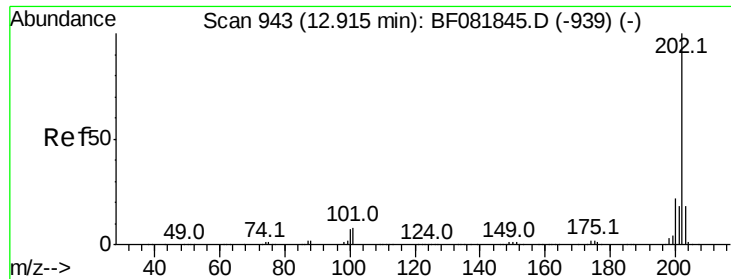


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time-->





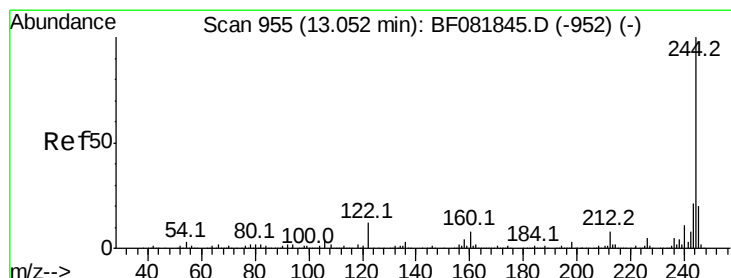
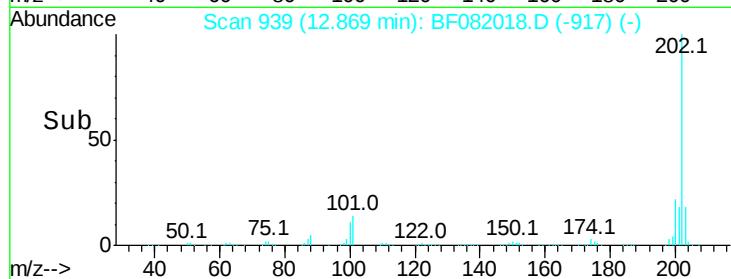
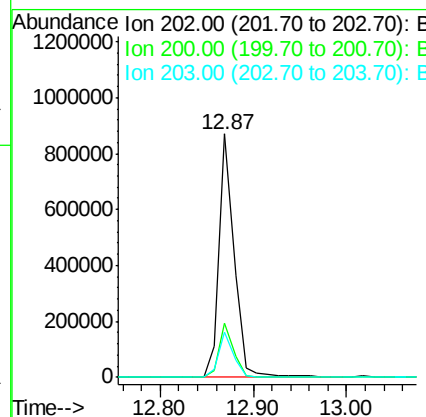
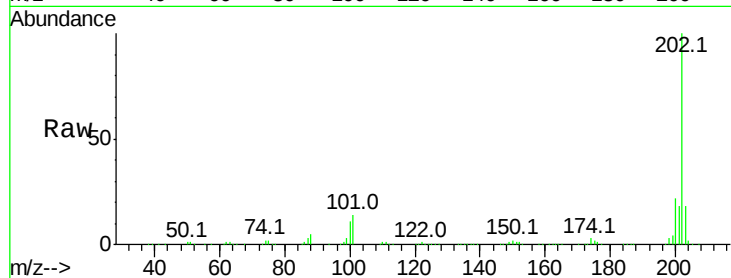
#77
Pvrene
Concen: 51.79 ng
RT: 12.87 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.3	15.0	22.4	
203	18.4	14.1	21.1	

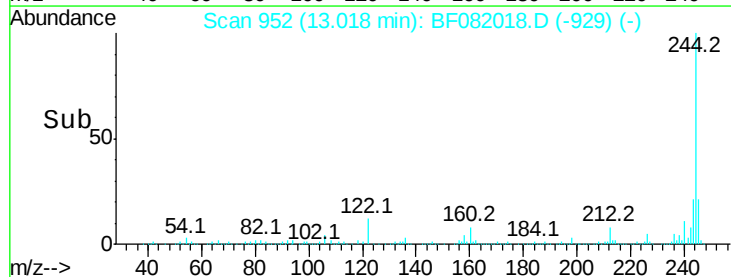
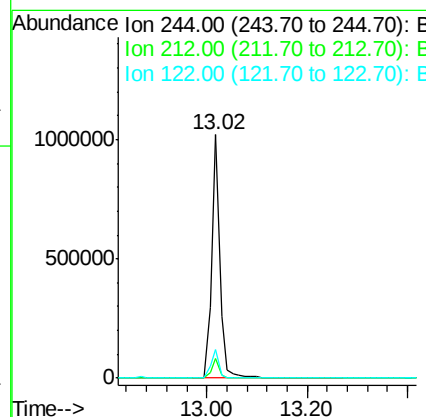
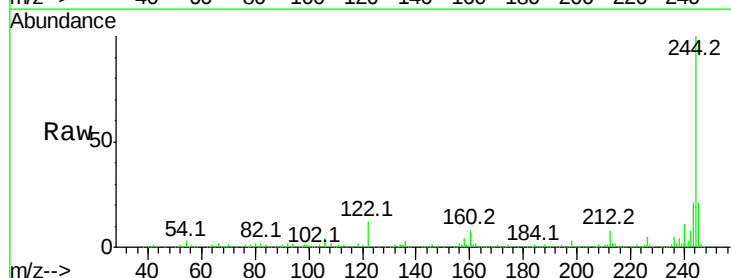
Manual Integrations
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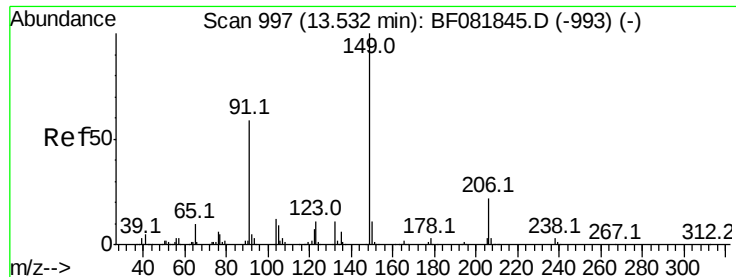
MMDADODA
10/5/2015 6:29:21 PM



#78
Terphenyl-d14
Concen: 146.10 ng
RT: 13.02 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.9	4.3	6.5#	
122	11.5	17.4	26.2#	





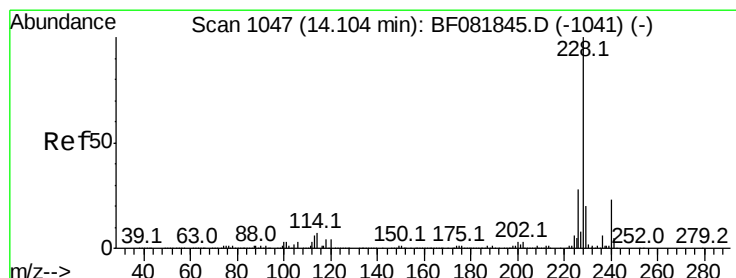
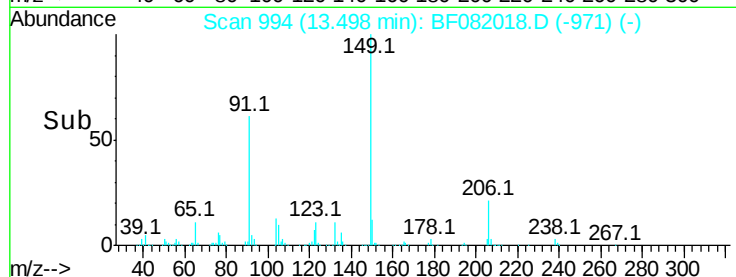
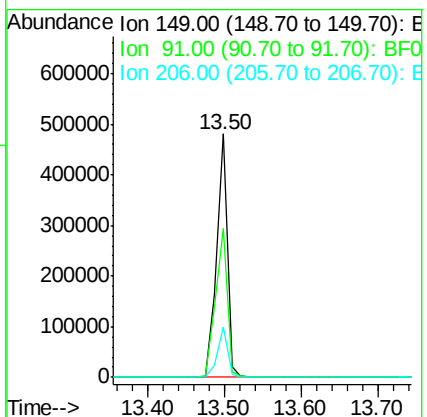
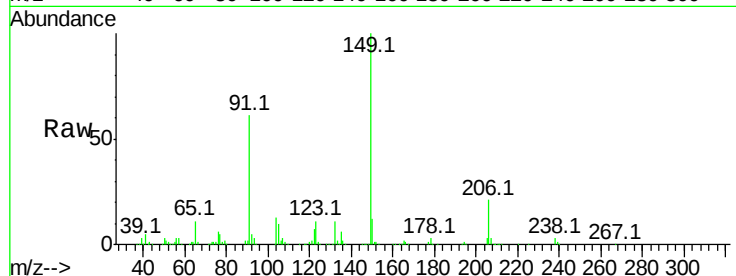
#79
Butylbenzylphthalate
Concen: 65.93 ng
RT: 13.50 min Scan# 994
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	468893		
91	61.1	48.6	72.8	
206	20.7	14.9	22.3	

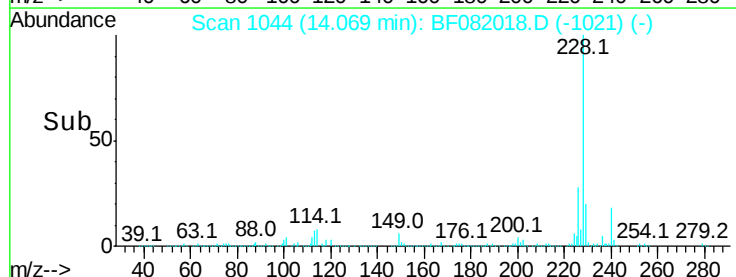
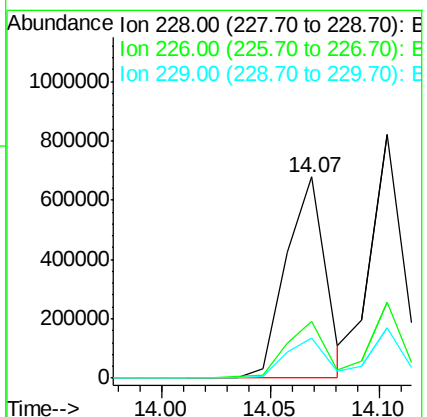
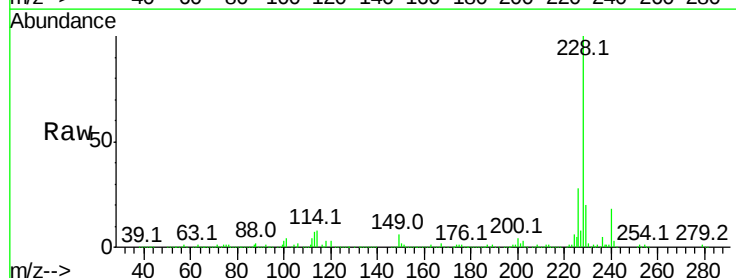
Manual Integrations
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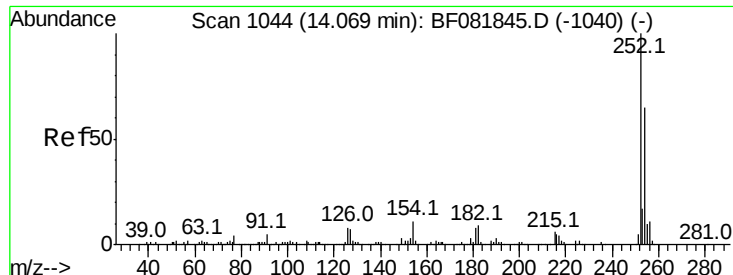
MMDADODA
10/5/2015 6:29:21 PM



#80
Benzo(a)anthracene
Concen: 50.14 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	854213		
226	28.0	20.0	30.0	
229	20.0	15.4	23.2	





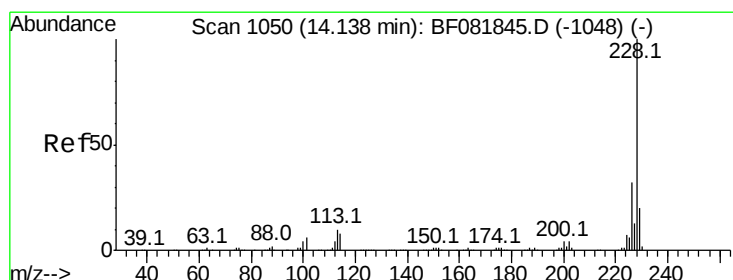
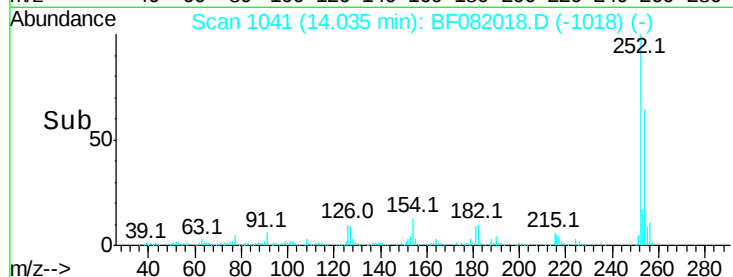
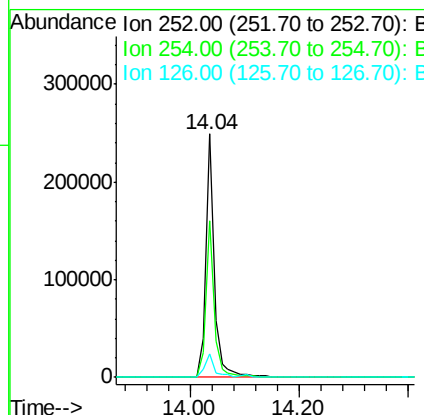
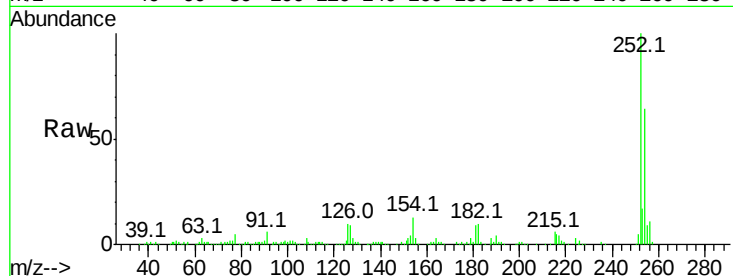
#81
 3,3'-Dichlorobenzidine
 Concen: 46.68 ng
 RT: 14.04 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.4	51.4	77.2
126	9.8	16.4	24.6

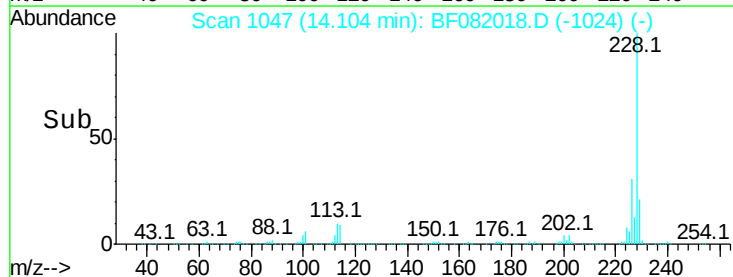
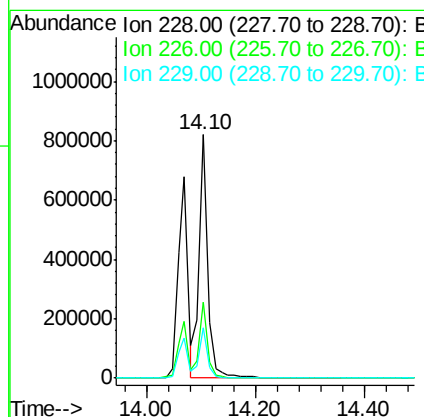
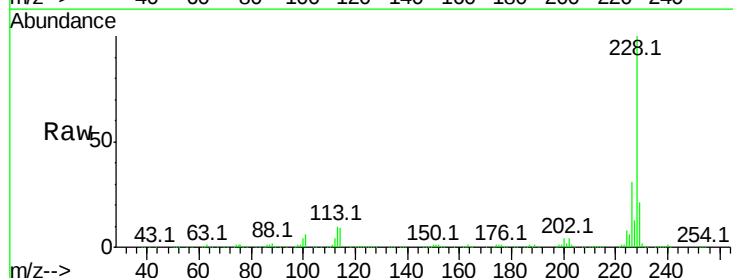
Manual Integrations
 APPROVED

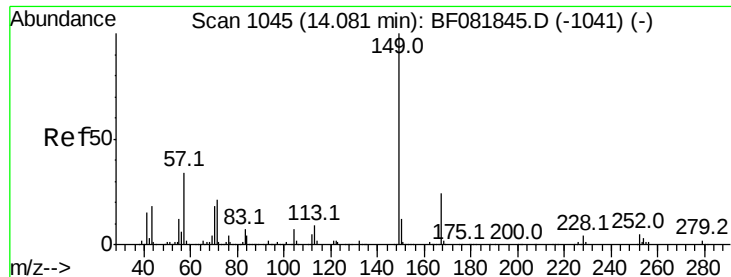
MMDADODA
 10/5/2015 6:29:21 PM



#82
 Chrysene
 Concen: Below Cal
 RT: 14.10 min Scan# 1047
 Delta R.T. -0.03 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.3	21.0	31.4
229	20.6	15.6	23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 66.91 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

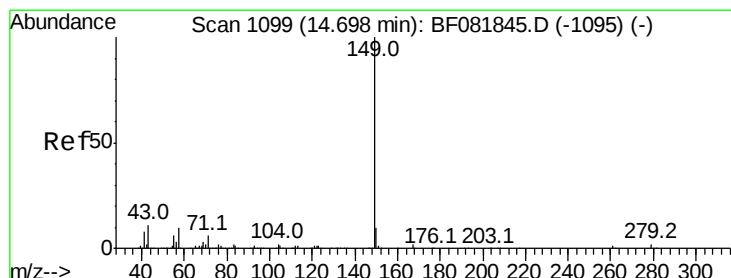
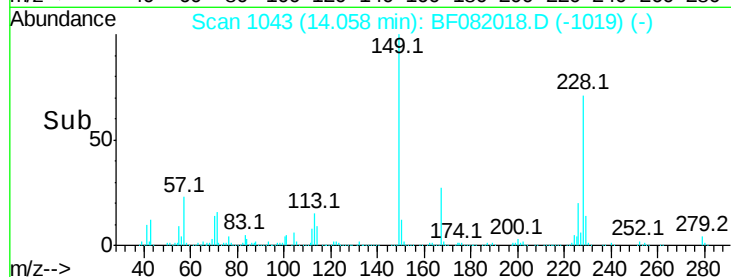
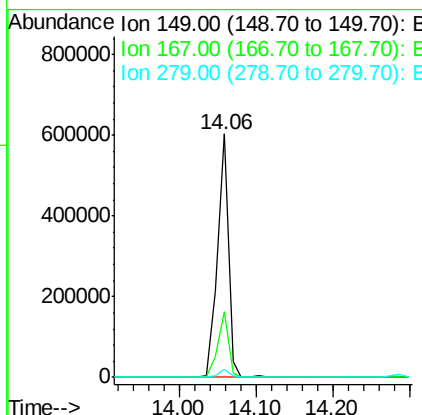
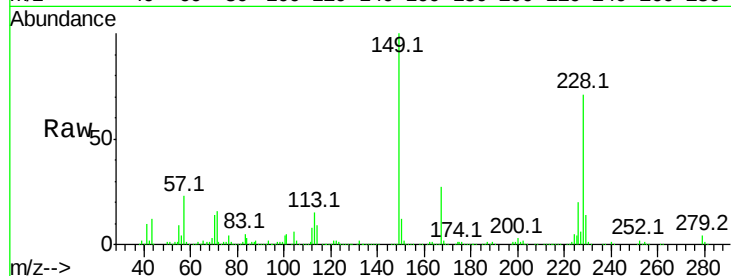
ClientSampleId :

P001-BF001-01MSD

Tot Ion:	149	Resp:	596955
Ion Ratio	Lower	Upper	
149	100		
167	27.0	24.2	36.2
279	3.6	3.8	5.6#

Manual Integrations
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MMDADODA
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#84

Di-n-octyl phthalate

Concen: 70.85 ng

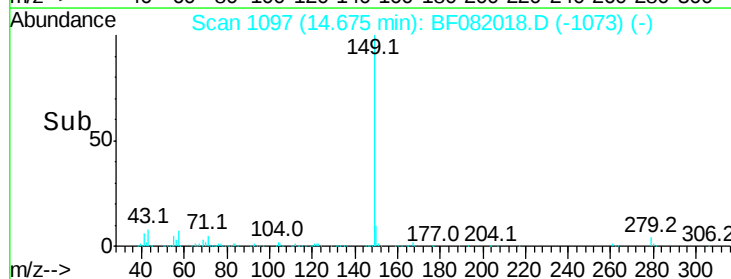
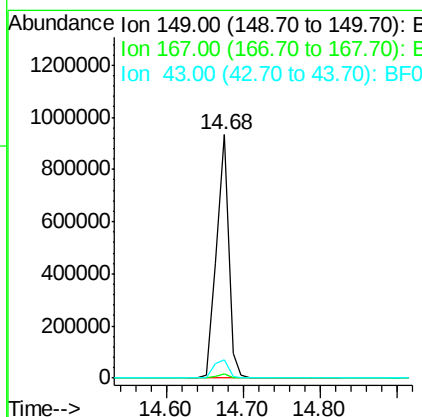
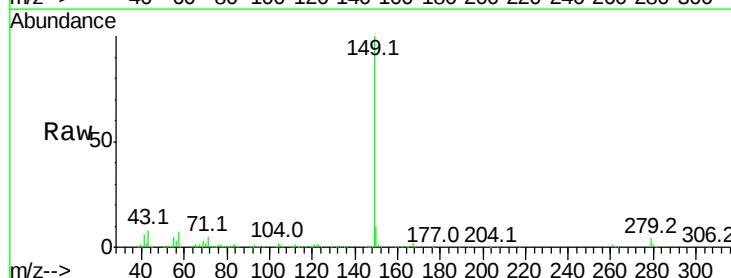
RT: 14.68 min Scan# 1097

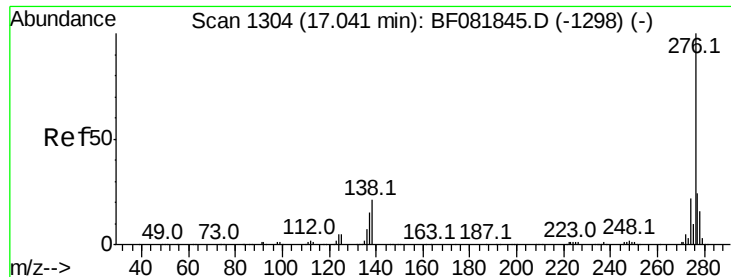
Delta R.T. -0.02 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Tgt Ion:	149	Resp:	1028554
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.0	1.6
43	9.0	10.2	15.2#





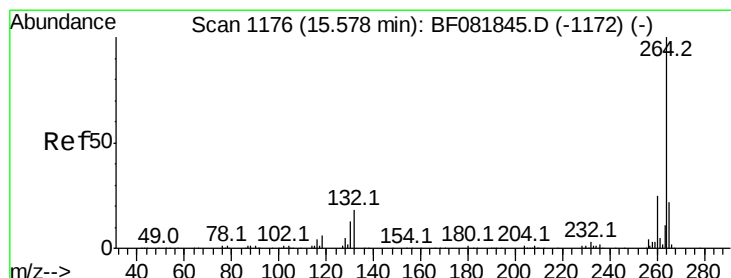
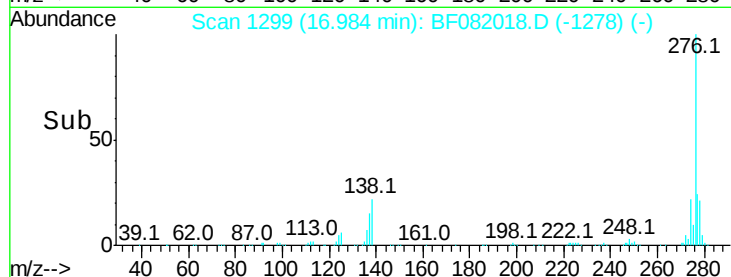
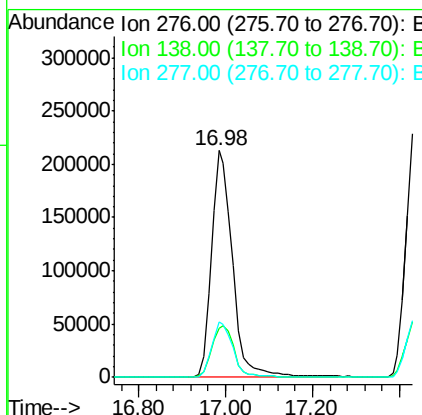
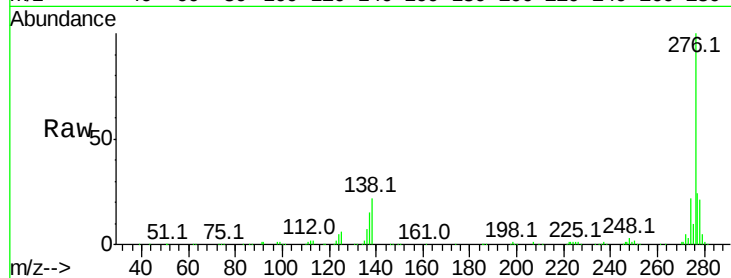
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 54.71 ng
 RT: 16.98 min Scan# 1299
 Delta R.T. -0.06 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	25.7	38.5#
277	25.0	15.6	23.4#

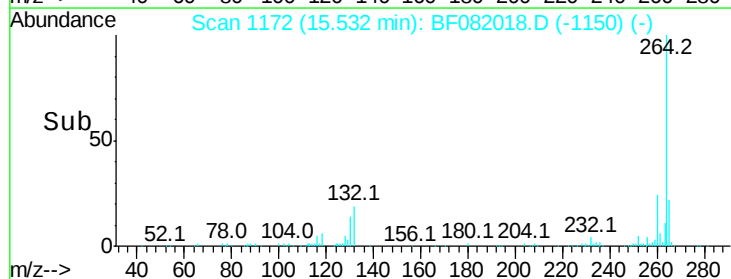
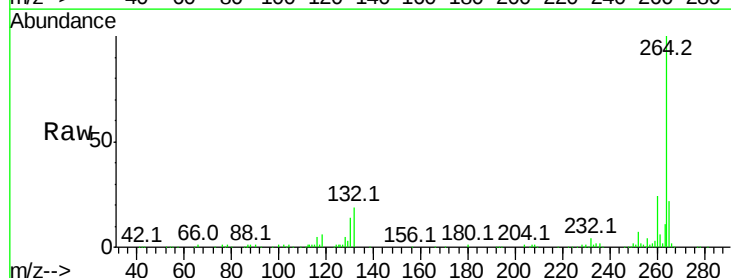
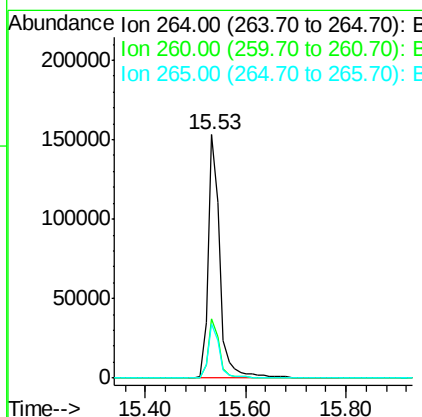
Manual Integrations
 APPROVED

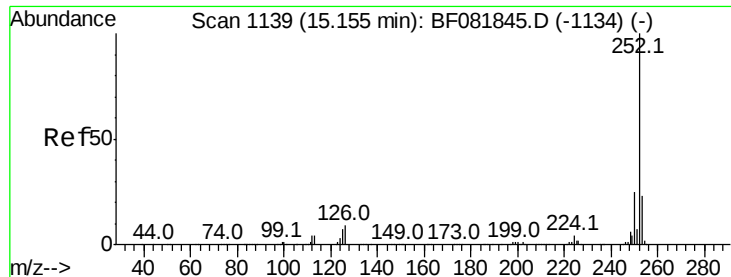
MMDADODA
 10/5/2015 6:29:21 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1172
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 67.12 ng m

RT: 15.11 min Scan# 1135

Delta R.T. -0.05 min

Lab File: BF082018.D

Acq: 3 Oct 2015 11:59

Instrument :

BNA_F

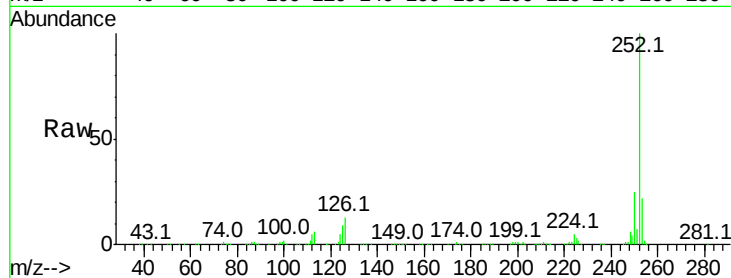
ClientSampleId :

P001-BF001-01MSD

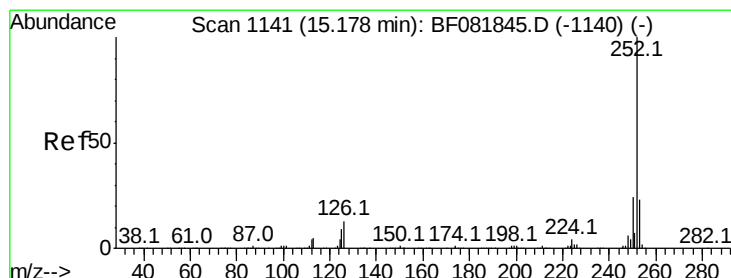
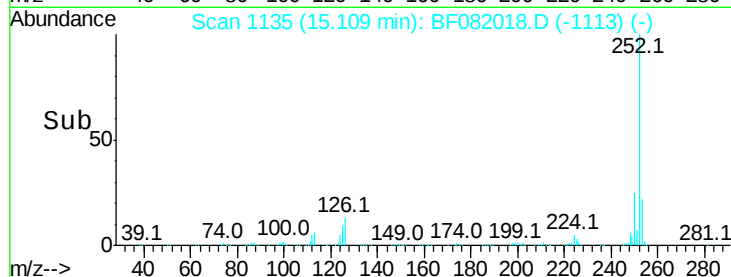
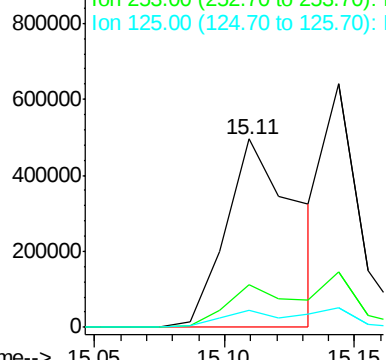
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.4	17.1	25.7#

Manual Integrations
APPROVED

MMDADODA
10/5/2015 6:29:21 PM



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



#88

Benzo(k)fluoranthene

Concen: 49.32 ng m

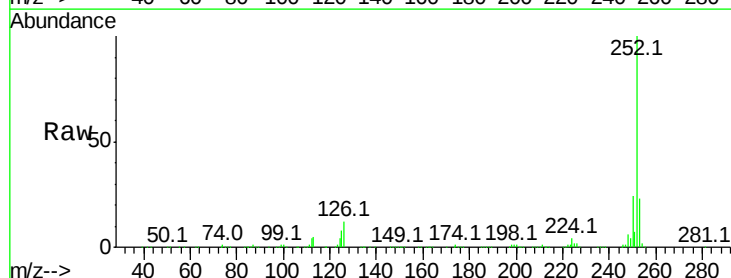
RT: 15.14 min Scan# 1138

Delta R.T. -0.03 min

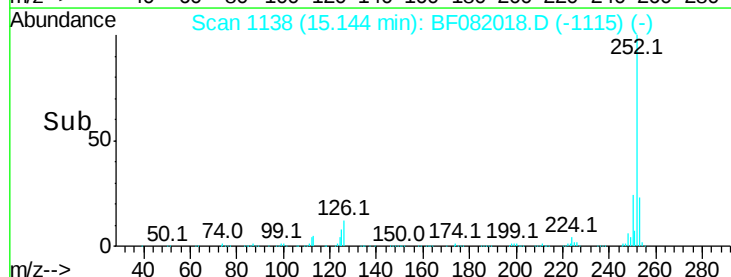
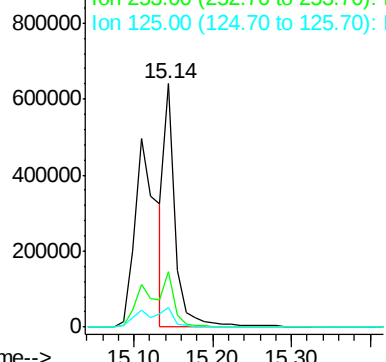
Lab File: BF082018.D

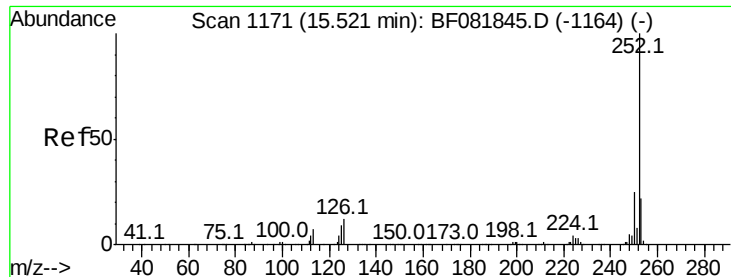
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	8.1	16.0	24.0#



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





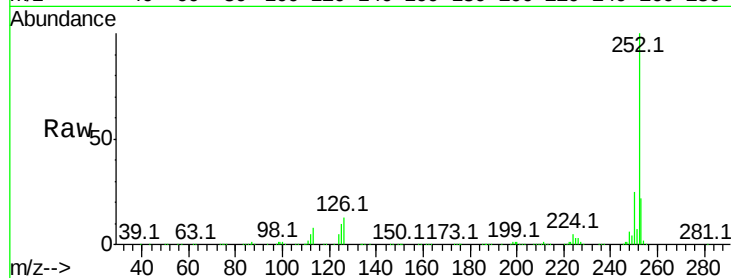
#89
Benzo(a)pyrene
Concen: 59.04 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Instrument :
BNA_F
ClientSampleId :
P001-BF001-01MSD

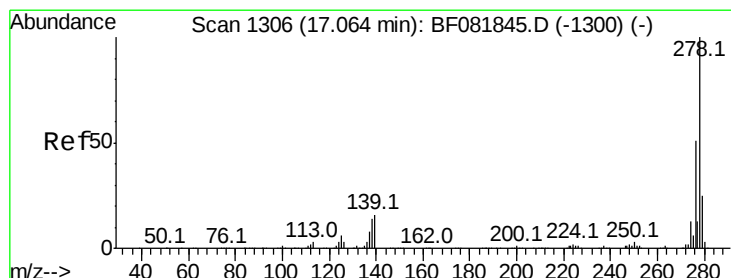
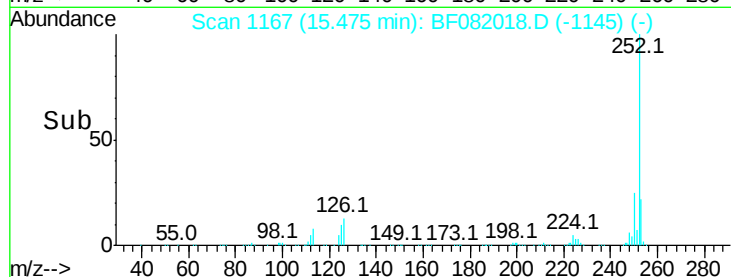
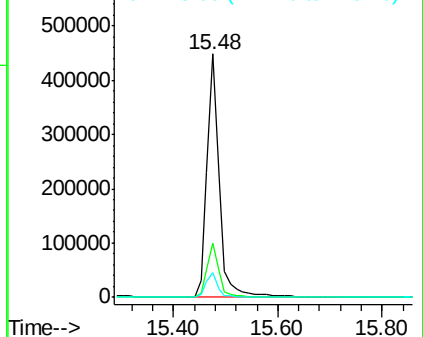
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	10.1	18.0	27.0

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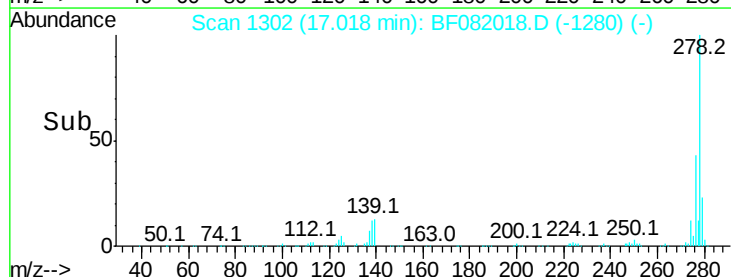
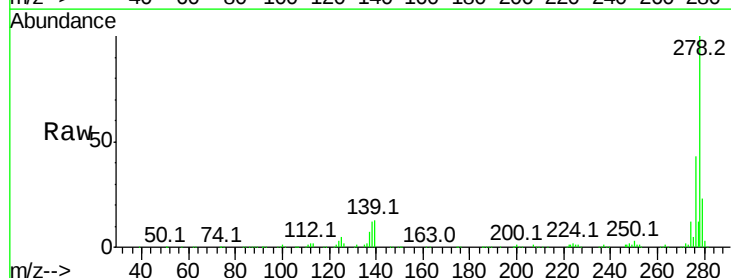
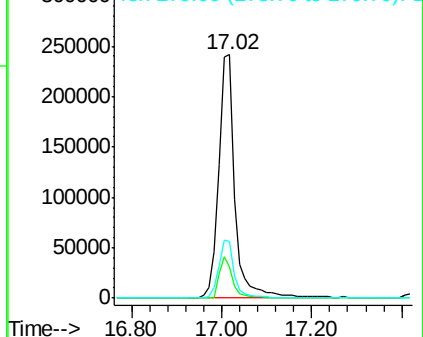
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

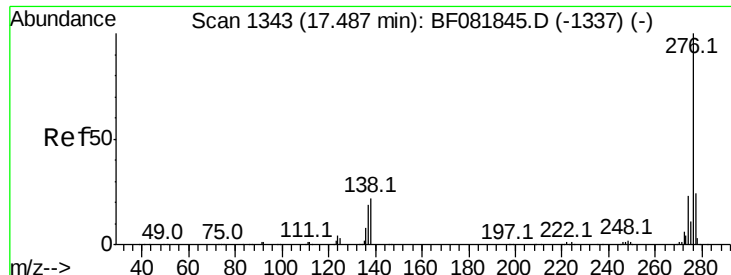


#90
Dibenzo(a,h)anthracene
Concen: 59.80 ng
RT: 17.02 min Scan# 1302
Delta R.T. -0.05 min
Lab File: BF082018.D
Acq: 3 Oct 2015 11:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	26.3	39.5
279	23.3	18.2	27.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 57.43 ng
 RT: 17.44 min Scan# 1339
 Delta R.T. -0.05 min
 Lab File: BF082018.D
 Acq: 3 Oct 2015 11:59

Instrument :
 BNA_F
 ClientSampleId :
 P001-BF001-01MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	17.8	26.6
138	18.0	34.6	51.8#

Manual Integrations
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