

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102891.D
 Acq On : 9 Feb 2018 16:21
 Operator : SJ/JU
 Sample : J1506-04MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Manual Integrations
 APPROVED

Sohil
 2/13/2018 4:36:37 AM

Quant Time: Feb 09 22:16:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	172783	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	716689	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	295658	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	428866	20.00	ng	0.00
75) Chrysene-d12	14.06	240	306770	20.00	ng	0.01
86) Perylene-d12	15.54	264	307594	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1127410	99.09	ng	0.02
7) Phenol-d6	6.52	99	1357148	99.07	ng	0.01
23) Nitrobenzene-d5	7.45	82	889961	86.14	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	217733	91.50	ng	0.01
44) 2-Fluorobiphenyl	9.25	172	1314972	73.80	ng	0.00
78) Terphenyl-d14	13.00	244	936464	72.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.73	88	129150	22.982	ng	87
3) Pyridine	3.50	79	446370	28.750	ng	96
4) n-Nitrosodimethylamine	3.45	42	258455	38.908	ng	90
6) Aniline	6.55	93	491563	24.298	ng	96
8) 2-Chlorophenol	6.67	128	414347	35.375	ng	96
9) Benzaldehyde	6.43	77	126200	12.405	ng	95
10) Phenol	6.53	94	577152	39.313	ng	96
11) bis(2-Chloroethyl)ether	6.62	93	426165	34.885	ng	92
12) 1,3-Dichlorobenzene	6.83	146	419330	30.915	ng	98
13) 1,4-Dichlorobenzene	6.90	146	425416	31.486	ng	100
14) 1,2-Dichlorobenzene	7.06	146	394812	31.372	ng	100
15) Benzyl Alcohol	7.03	79	388020	36.841	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.16	45	743718	32.048	ng	99
17) 2-Methylphenol	7.13	107	361480	33.457	ng	97
18) Hexachloroethane	7.40	117	143188	30.904	ng	93
19) n-Nitroso-di-n-propylamine	7.30	70	297378	32.925	ng	94
20) 3+4-Methylphenols	7.29	107	420255	31.542	ng	# 79
22) Acetophenone	7.29	105	570830	32.548	ng	# 86
24) Nitrobenzene	7.47	77	470740	38.726	ng	97
25) Isophorone	7.70	82	867971	36.486	ng	97
26) 2-Nitrophenol	7.79	139	208810	42.939	ng	98
27) 2,4-Dimethylphenol	7.82	122	392241	39.027	ng	99
28) bis(2-Chloroethoxy)methane	7.92	93	545533	38.711	ng	99
29) 2,4-Dichlorophenol	8.03	162	330968	36.224	ng	97
30) 1,2,4-Trichlorobenzene	8.11	180	326128	31.553	ng	98
31) Naphthalene	8.19	128	1170833	33.437	ng	100
32) Benzoic acid	7.89	122	66478m	17.275	ng	
33) 4-Chloroaniline	8.24	127	325378	21.570	ng	97
34) Hexachlorobutadiene	8.30	225	162438	30.669	ng	99
35) Caprolactam	8.60	113	114914m	36.216	ng	
36) 4-Chloro-3-methylphenol	8.72	107	369485	35.992	ng	97
37) 2-Methylnaphthalene	8.88	142	761399	33.212	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.05	216	283092	35.166	ng	99
40) Hexachlorocyclopentadiene	9.03	237	50974	13.320	ng	97

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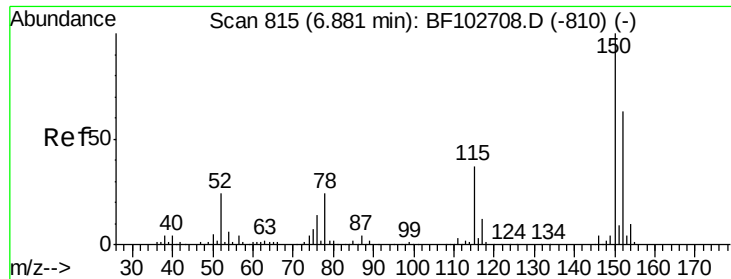
Manual Integrations
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 2/13/2018 4:36:37 AM

Quant Time: Feb 09 22:16:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.16	196	198066	37.458	nq	99
43) 2,4,5-Trichlorophenol	9.20	196	205919	34.552	nq	97
45) 1,1'-Biphenyl	9.35	154	854467	34.313	nq	98
46) 2-Chloronaphthalene	9.37	162	662242	33.779	nq	97
47) 2-Nitroaniline	9.47	65	264047	43.962	nq	88
48) Acenaphthylene	9.79	152	1017275	33.408	nq	99
49) Dimethylphthalate	9.65	163	905963	39.299	nq	100
50) 2,6-Dinitrotoluene	9.71	165	164810	37.577	nq	93
51) Acenaphthene	9.96	154	593200	32.576	nq	99
52) 3-Nitroaniline	9.87	138	171042	31.694	nq	95
53) 2,4-Dinitrophenol	9.98	184	6935	16.086	nq	# 21
54) Dibenzofuran	10.13	168	867002	33.785	nq	97
55) 4-Nitrophenol	10.04	139	253423	58.293	nq	95
56) 2,4-Dinitrotoluene	10.11	165	204592	35.629	nq	# 87
57) Fluorene	10.47	166	638222	34.181	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.25	232	137872	33.379	nq	94
59) Diethylphthalate	10.35	149	765647	33.636	nq	99
60) 4-Chlorophenyl-phenylether	10.46	204	284580	34.454	nq	96
61) 4-Nitroaniline	10.49	138	163606	31.850	nq	97
62) Azobenzene	10.63	77	774088	34.041	nq	96
64) 4,6-Dinitro-2-methylphenol	10.52	198	11861	14.828	nq	96
65) n-Nitrosodiphenylamine	10.59	169	563539	37.253	nq	100
66) 4-Bromophenyl-phenylether	10.96	248	163678	36.079	nq	96
67) Hexachlorobenzene	11.02	284	164715	32.912	nq	98
68) Atrazine	11.11	200	167990	37.643	nq	99
69) Pentachlorophenol	11.22	266	148058	50.396	nq	99
70) Phenanthrene	11.45	178	1169286	48.955	nq	99
71) Anthracene	11.49	178	904578	37.236	nq	100
72) Carbazole	11.65	167	785957	33.024	nq	99
73) Di-n-butylphthalate	11.97	149	1059451	36.646	nq	99
74) Fluoranthene	12.63	202	1451665	60.408	nq	98
76) Benzidine	12.75	184	491377	34.851	nq	98
77) Pyrene	12.86	202	1375022	57.160	nq	99
79) Butylbenzylphthalate	13.47	149	427664	37.398	nq	98
80) Benzo(a)anthracene	14.05	228	1058768	54.879	nq	99
81) 3,3'-Dichlorobenzidine	14.01	252	261803	36.599	nq	96
82) Chrysene	14.09	228	962868	49.509	nq	99
83) Bis(2-ethylhexyl)phthalate	14.03	149	653874	44.372	nq	99
84) Di-n-octyl phthalate	14.64	149	1050373	47.471	nq	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	672366	41.684	nq	100
87) Benzo(b)fluoranthene	15.12	252	1091707	54.743	nq	97
88) Benzo(k)fluoranthene	15.14	252	782411	41.061	nq	98
89) Benzo(a)pyrene	15.49	252	879001	48.968	nq	98
90) Dibenzo(a,h)anthracene	17.07	278	469972	32.256	nq	98
91) Benzo(g,h,i)perylene	17.52	276	540112	37.873	nq	98

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



#1

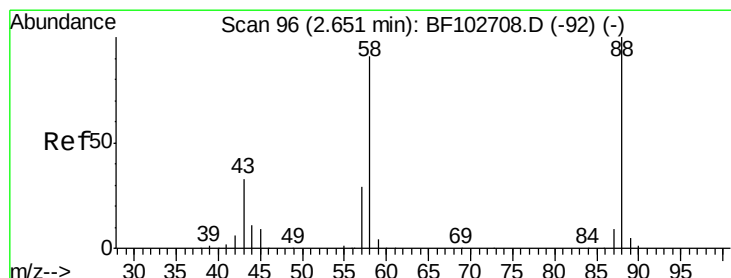
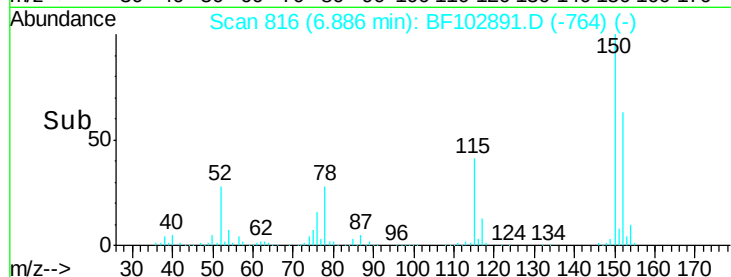
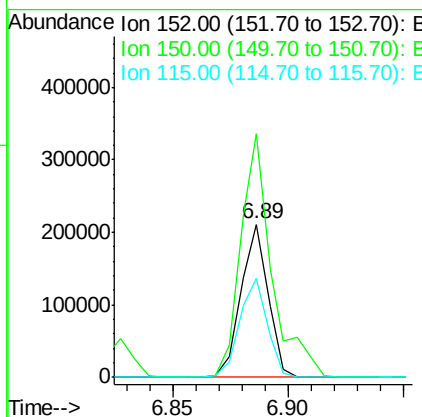
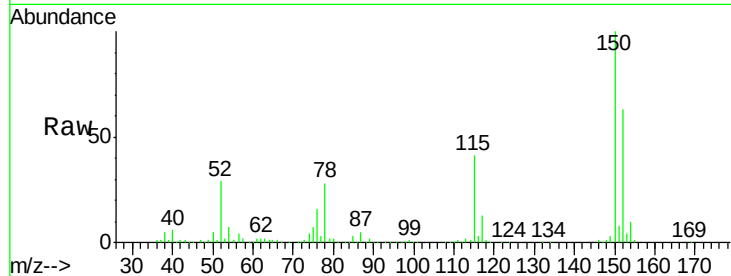
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	64.5	50.1	75.1

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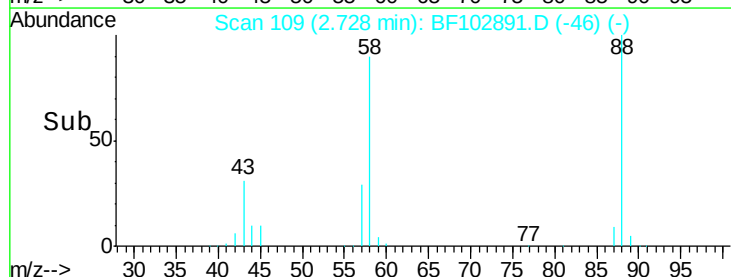
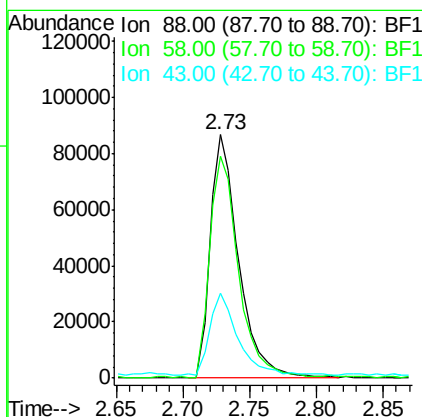
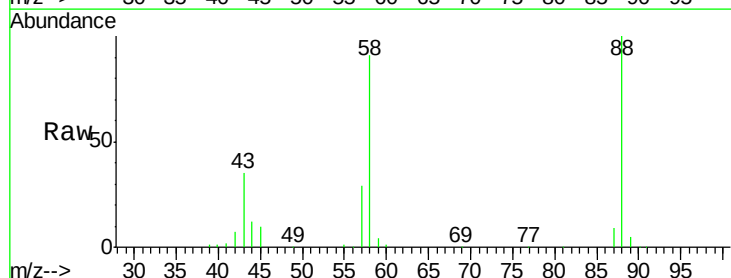
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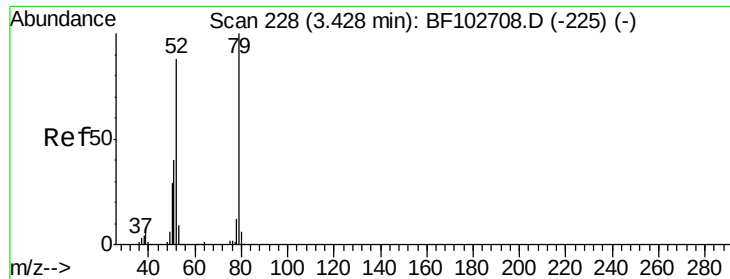


#2

1,4-Dioxane
Concen: 22.982 ng
RT: 2.73 min Scan# 109
Delta R.T. 0.07 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.8	62.6	93.8
43	34.2	24.6	37.0





#3

Pvridine

Concen: 28.750 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.07 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

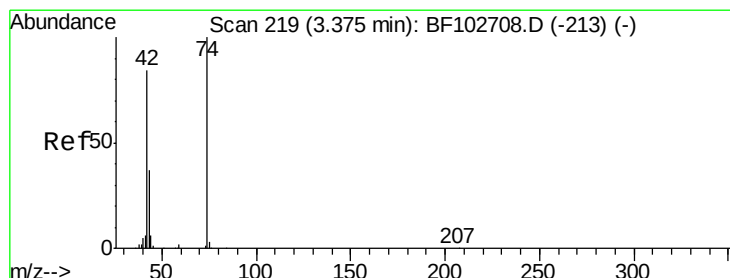
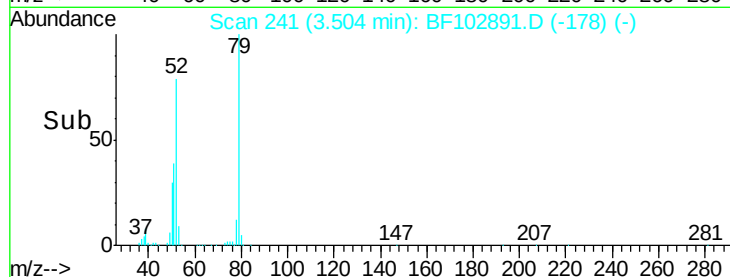
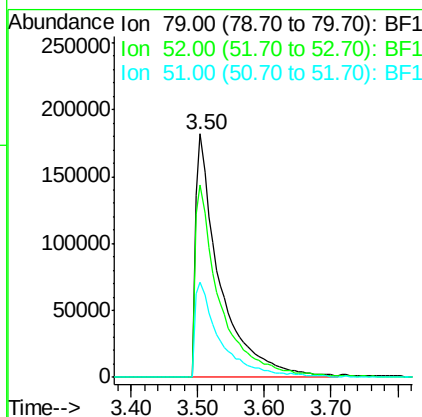
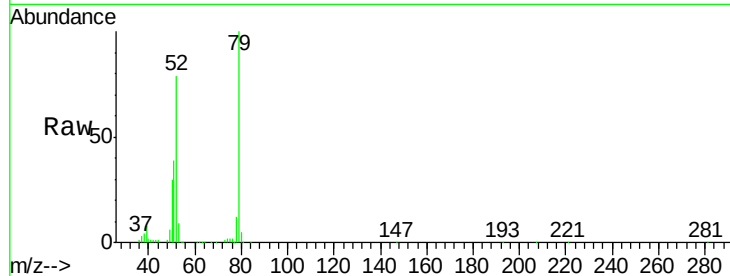
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	79	Resp:	446370
Ion Ratio	Lower	Upper	
79	100		
52	79.0	59.8	89.6
51	39.2	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 38.908 ng

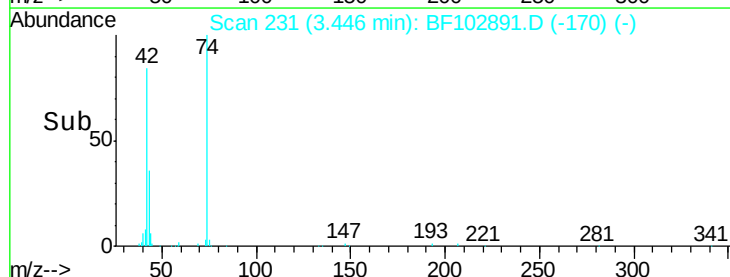
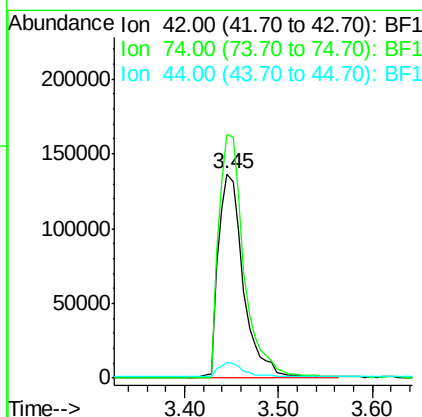
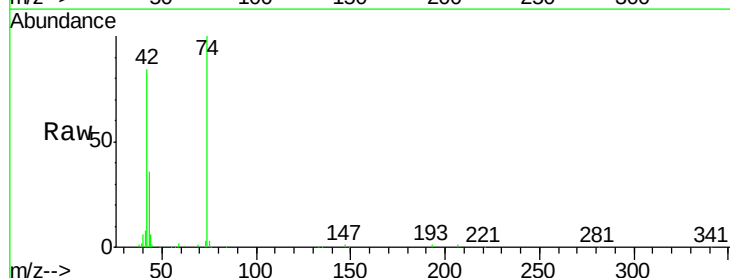
RT: 3.45 min Scan# 231

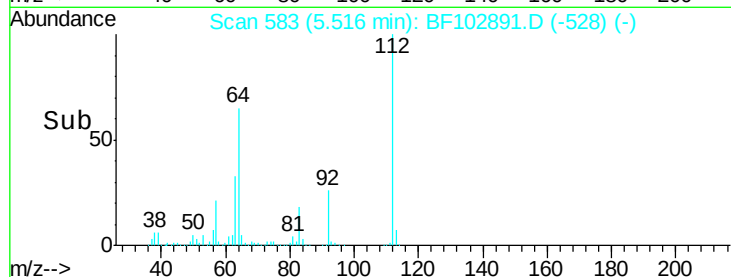
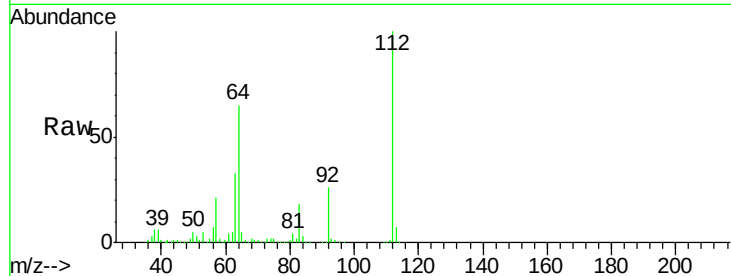
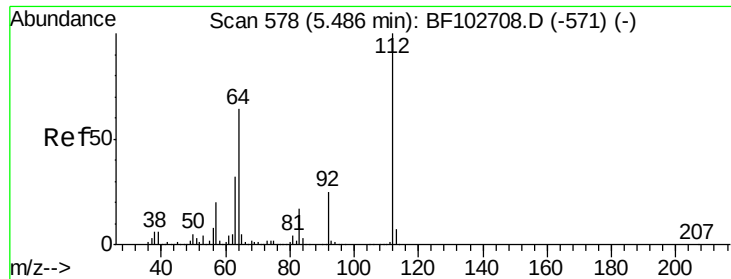
Delta R.T. 0.06 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	42	Resp:	258455
Ion Ratio	Lower	Upper	
42	100		
74	119.1	104.9	157.3
44	7.4	6.9	10.3





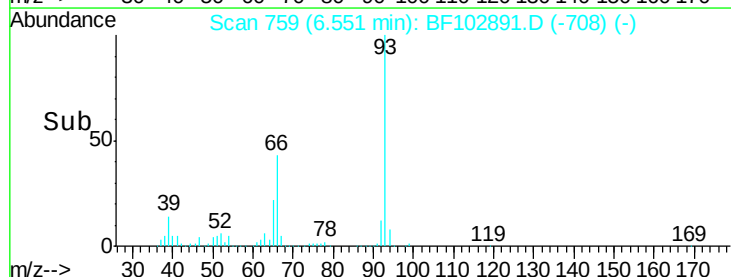
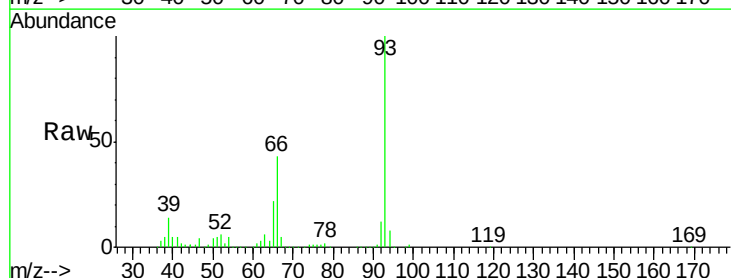
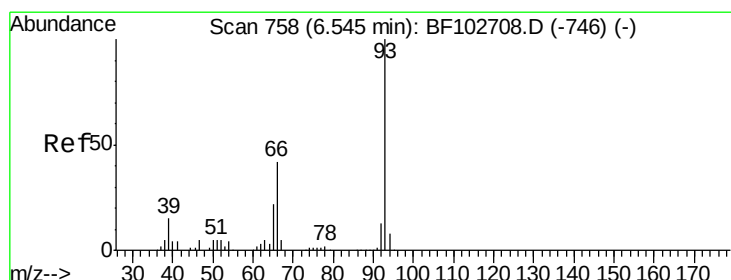
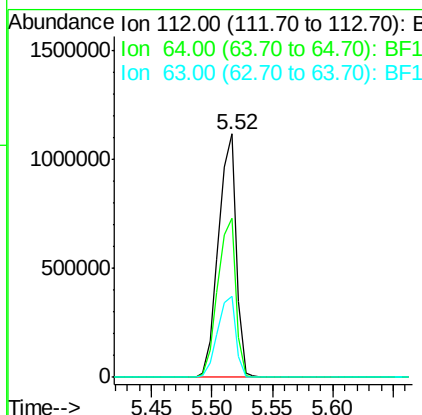
#5
2-Fluorophenol
Concen: 99.093 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tot Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	33.5	23.7	35.5

Instrument :
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ClientSampleId :
B-21(2-4)MSD

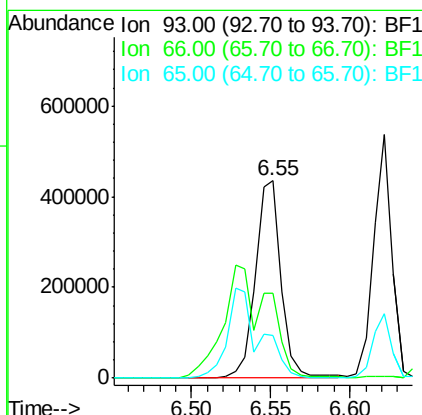
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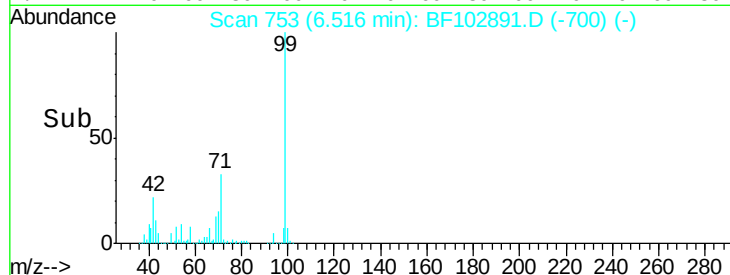
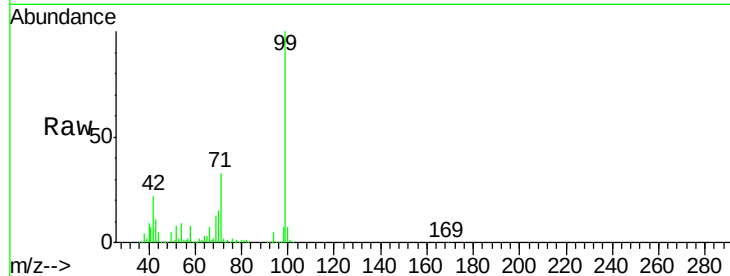
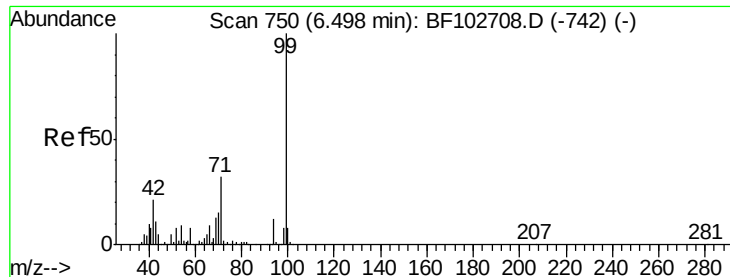
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#6
Aniline
Concen: 24.298 ng
RT: 6.55 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
93	100		
66	42.9	32.2	48.2
65	21.7	16.4	24.6





#7

Phenol-d6

Concen: 99.069 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tot Ion: 99 Resp: 1357148

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

71 32.9 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

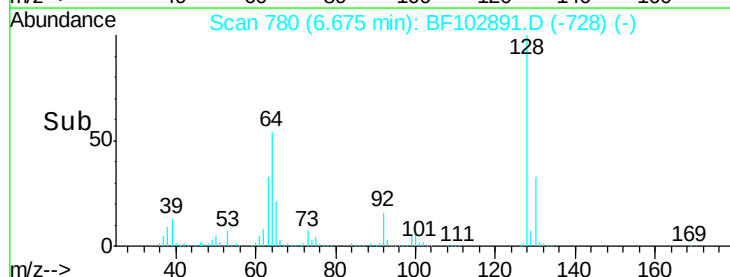
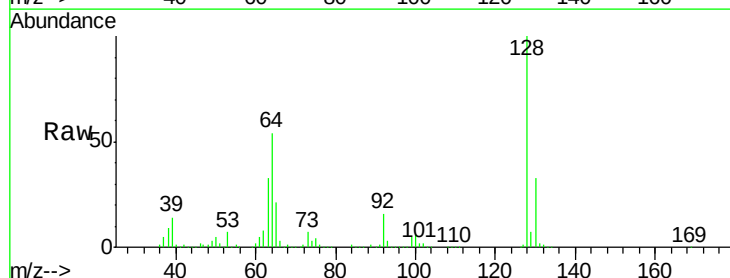
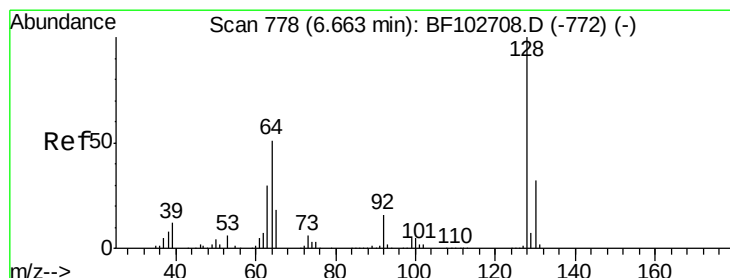
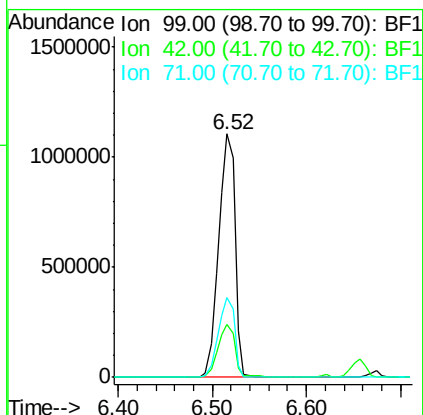
B-21(2-4)MSD

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#8

2-Chlorophenol

Concen: 35.375 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

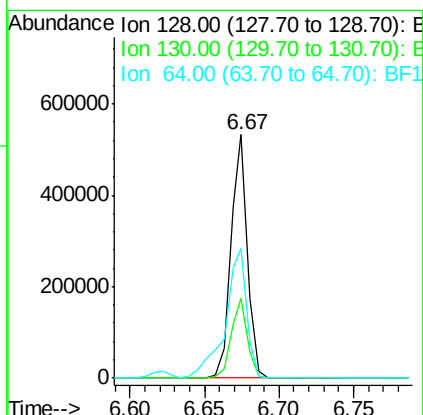
Tgt Ion: 128 Resp: 414347

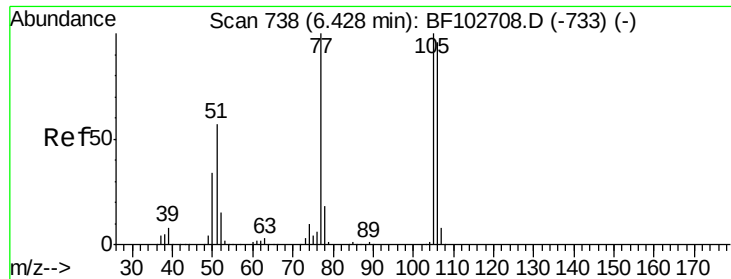
Ion Ratio Lower Upper

128 100

130 32.7 13.0 53.0

64 53.5 29.4 69.4





#9

Benzaldehyde

Concen: 12.405 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

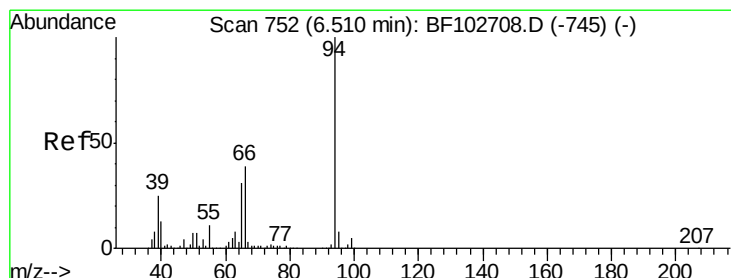
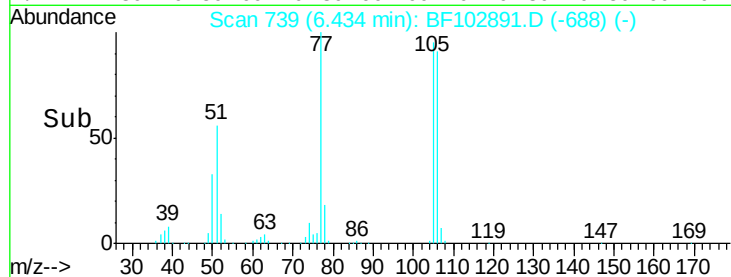
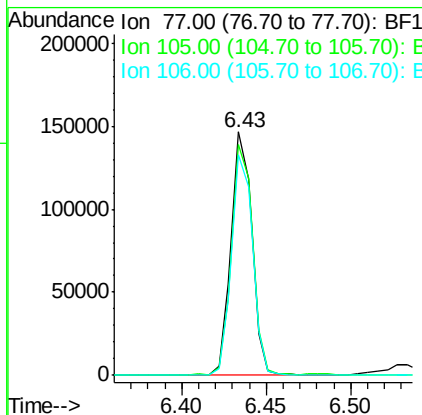
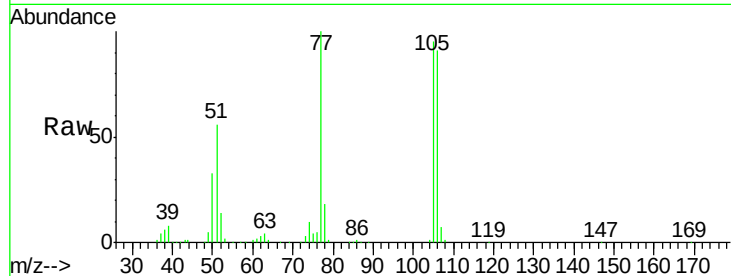
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	77	Resp:	126200
Ion Ratio	Lower	Upper	
77	100		
105	94.7	81.1	121.1
106	90.7	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 39.313 ng

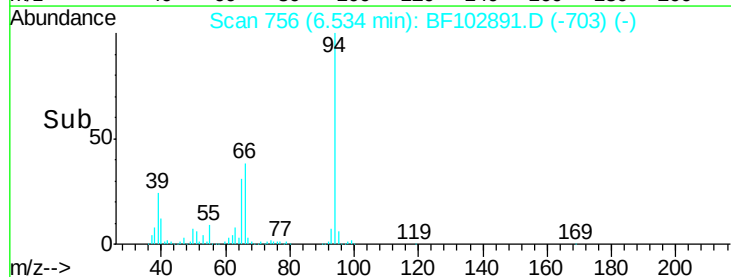
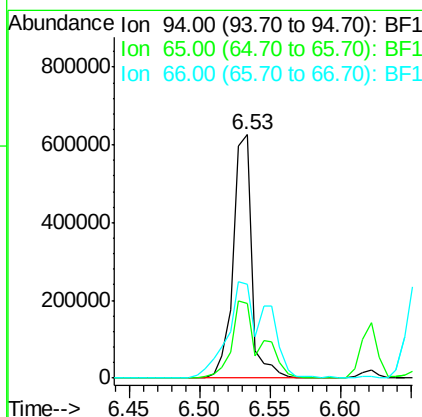
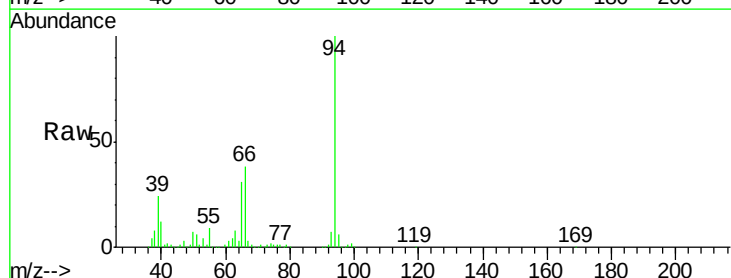
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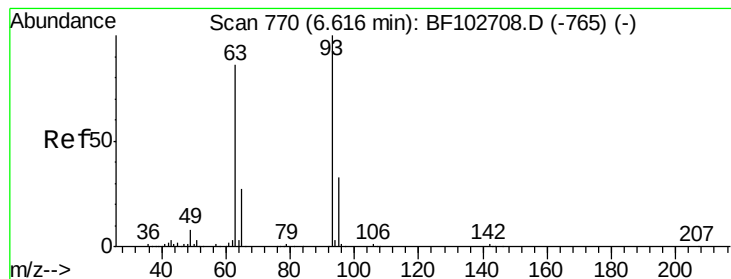
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	94	Resp:	577152
Ion Ratio	Lower	Upper	
94	100		
65	30.6	7.9	47.9
66	38.4	16.2	56.2





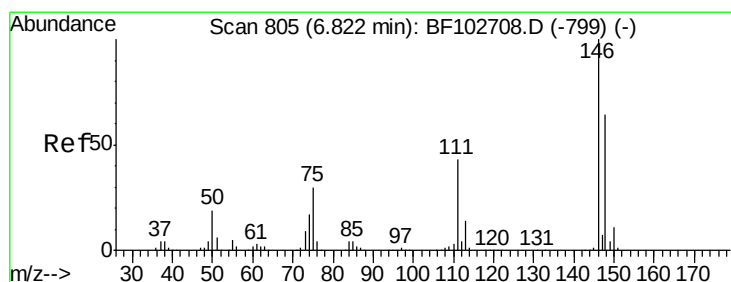
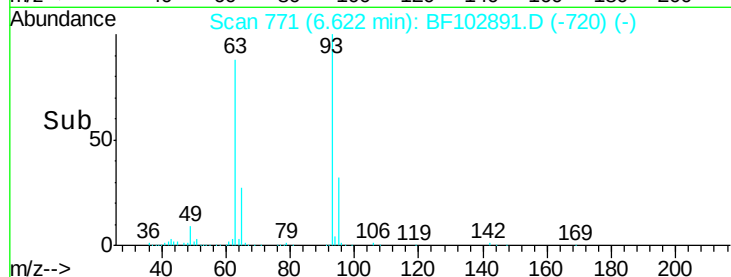
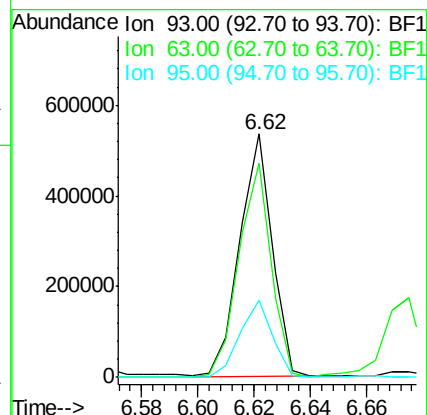
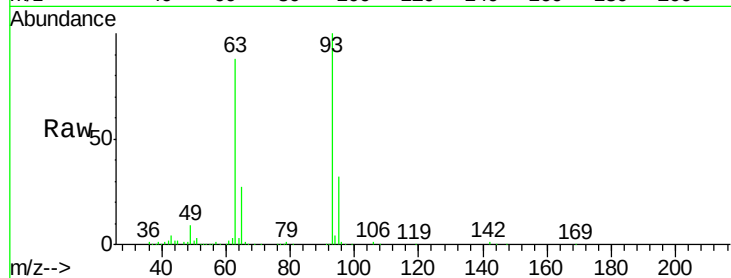
#11
bis(2-Chloroethyl)ether
Concen: 34.885 ng
RT: 6.62 min Scan# 771
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	88.2	58.6	98.6	
95	32.0	11.8	51.8	

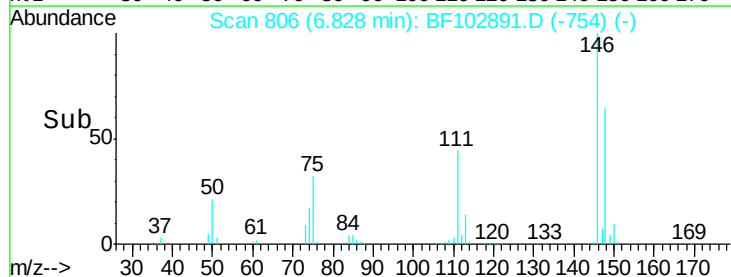
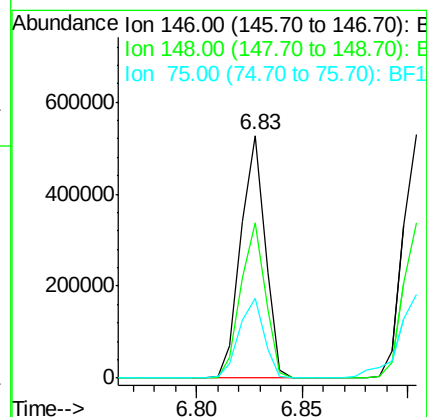
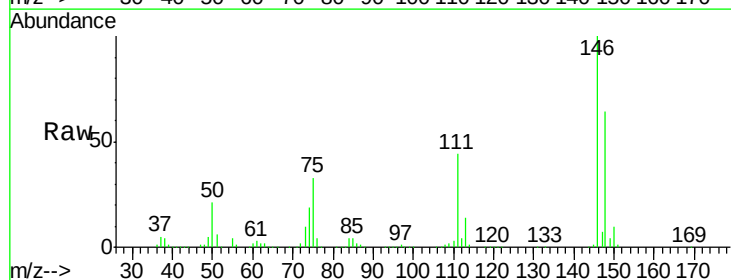
Manual Integrations
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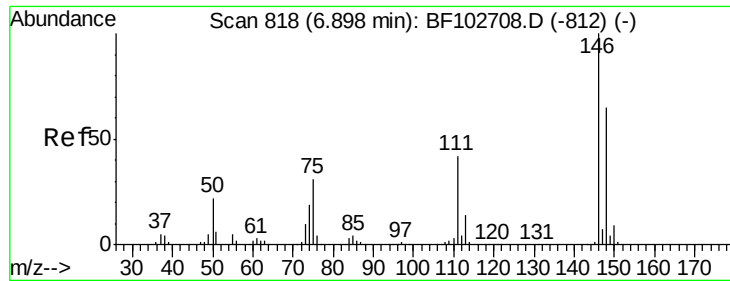
Sohil
2/13/2018 4:36:37 AM



#12
1,3-Dichlorobenzene
Concen: 30.915 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.1	51.8	77.8	
75	32.9	24.2	36.4	





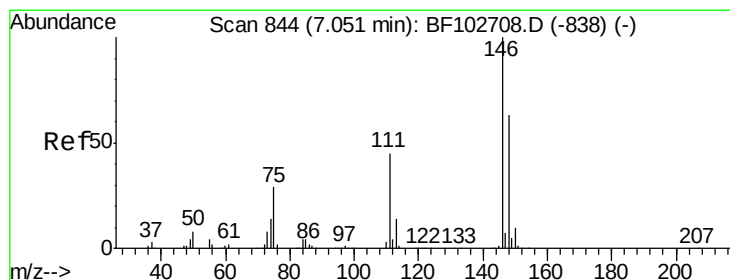
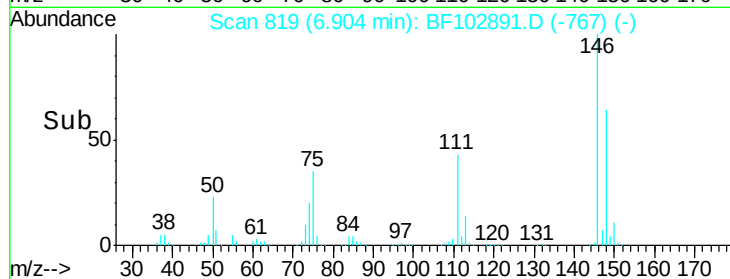
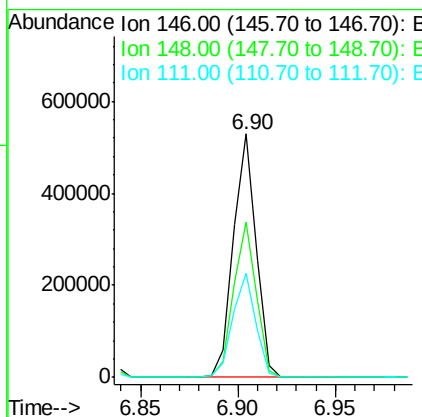
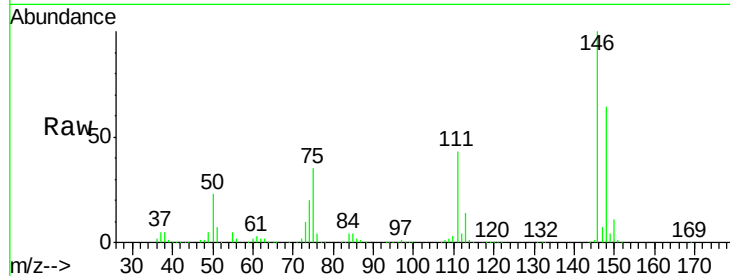
#13
 1,4-Dichlorobenzene
 Concen: 31.486 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	42.5	34.2	51.2

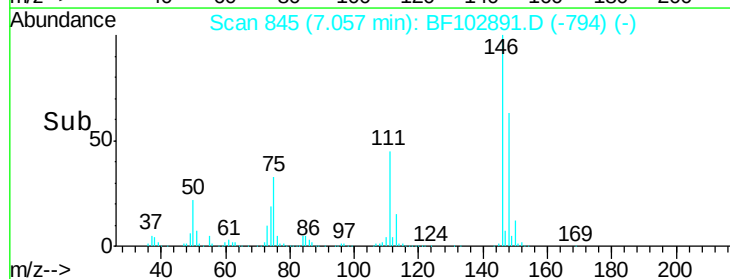
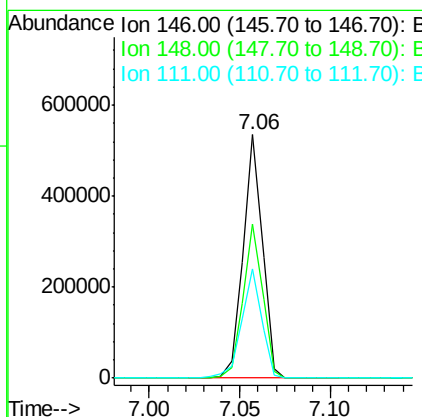
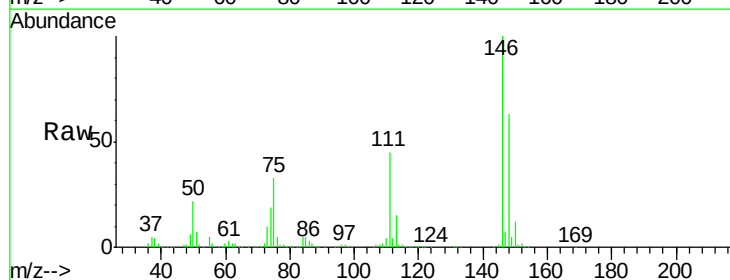
Manual Integrations
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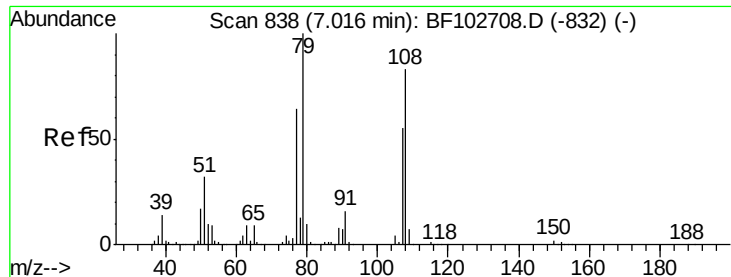
Sohil
 2/13/2018 4:36:37 AM



#14
 1,2-Dichlorobenzene
 Concen: 31.372 ng
 RT: 7.06 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	75.8
111	44.6	36.0	54.0





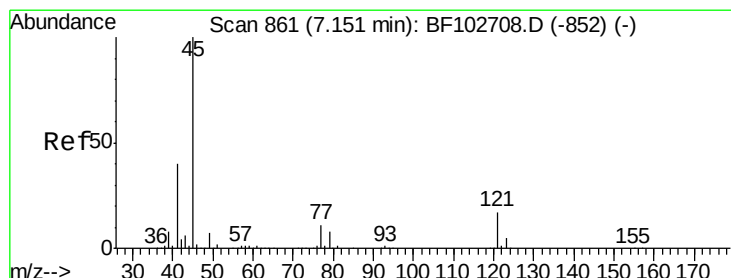
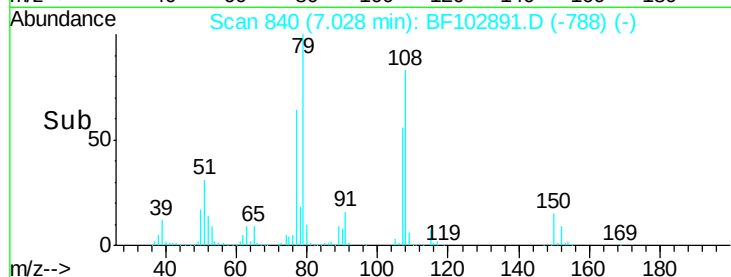
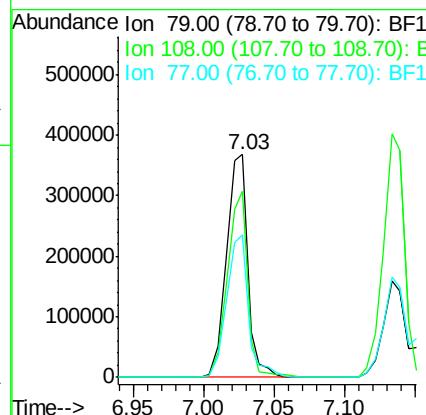
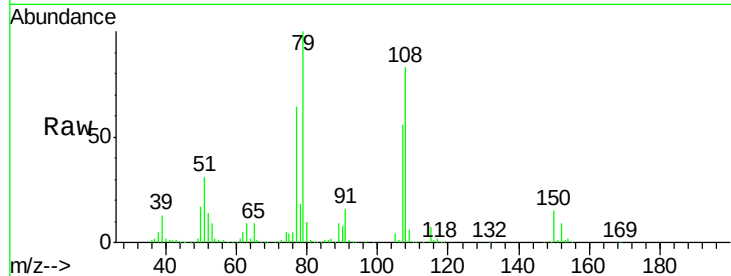
#15
Benzyl Alcohol
Concen: 36.841 ng
RT: 7.03 min Scan# 840
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampled :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	83.4	65.1	97.7
77	64.0	50.6	75.8

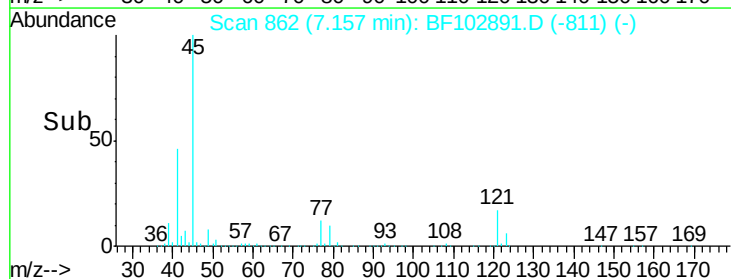
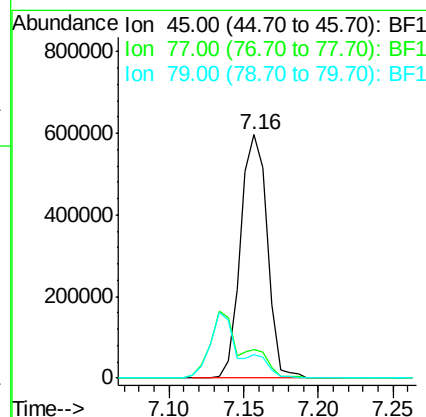
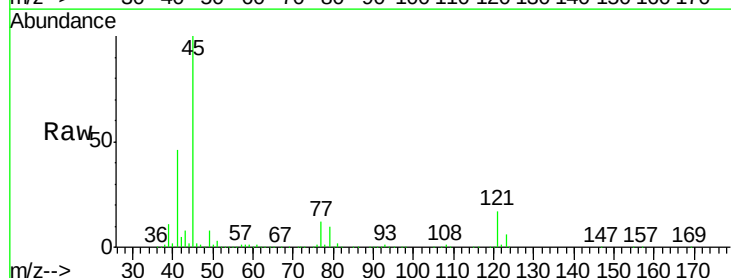
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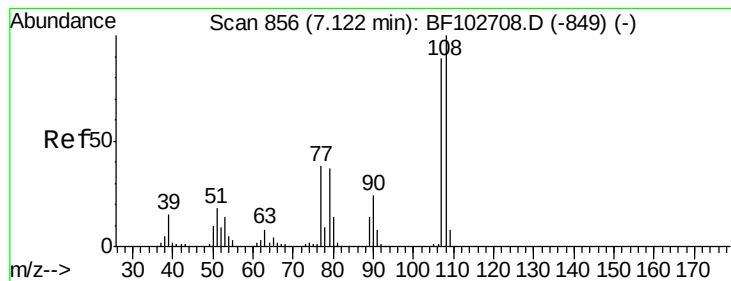
Sohil
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#16
2,2'-oxybis(1-chloropropane)
Concen: 32.048 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	32.9
79	9.6	0.0	29.6





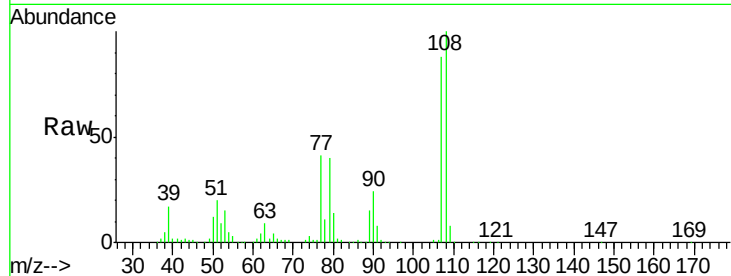
#17
2-Methylphenol
Concen: 33.457 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

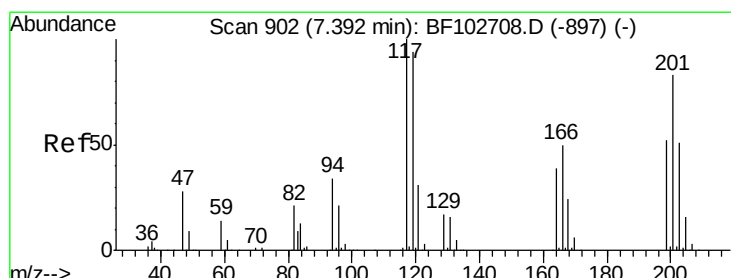
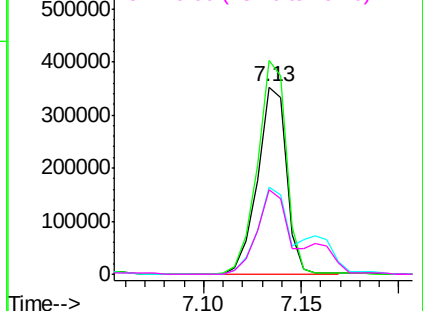
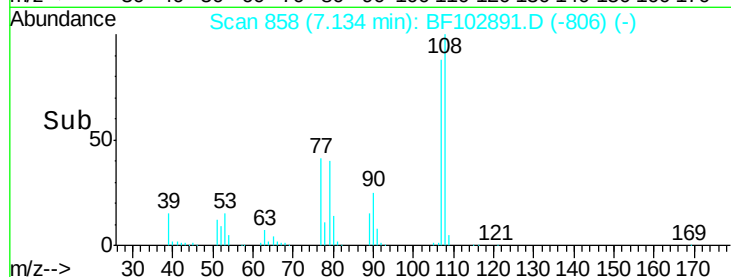
Tot Ion	107	Resp	361480
Ion Ratio	Lower	Upper	
107	100		
108	113.9	91.7	137.5
77	46.6	33.8	50.8
79	45.4	33.8	50.8

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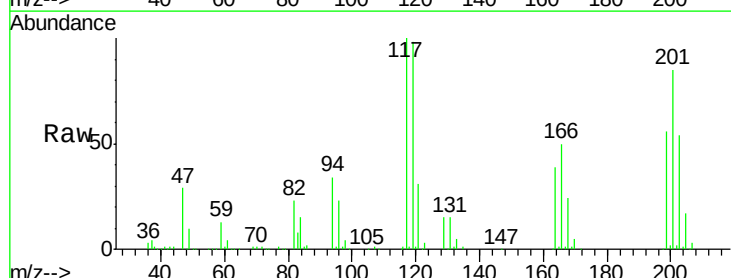


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

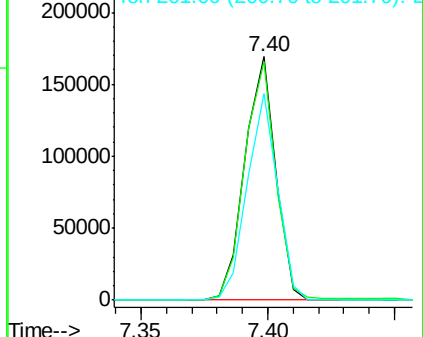
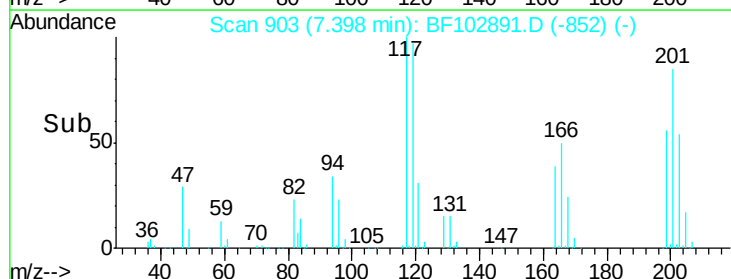


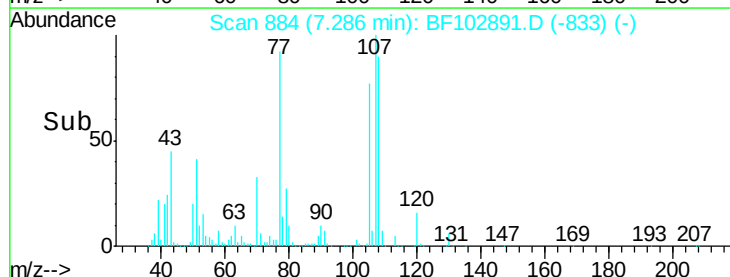
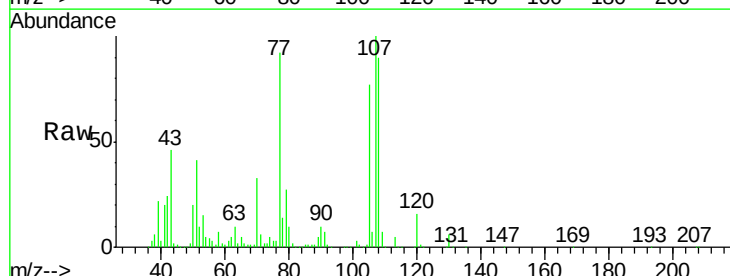
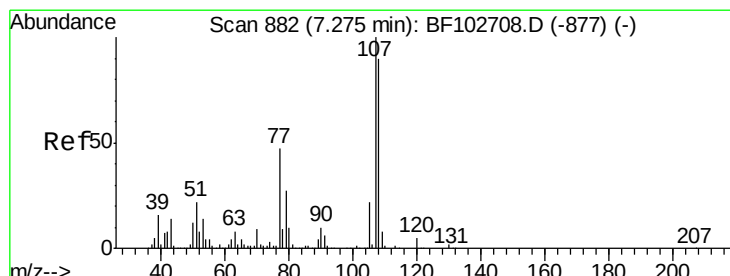
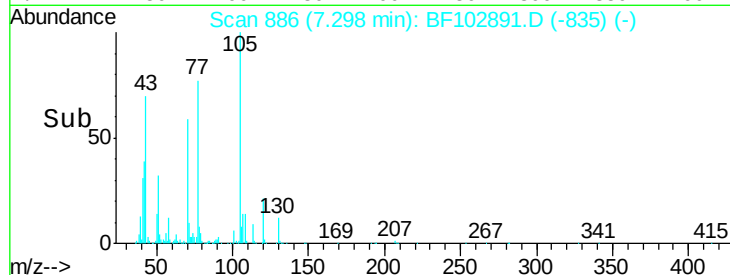
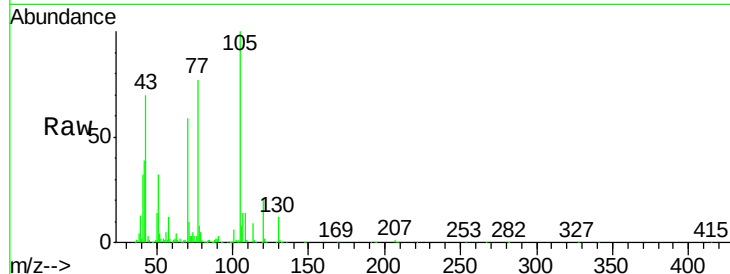
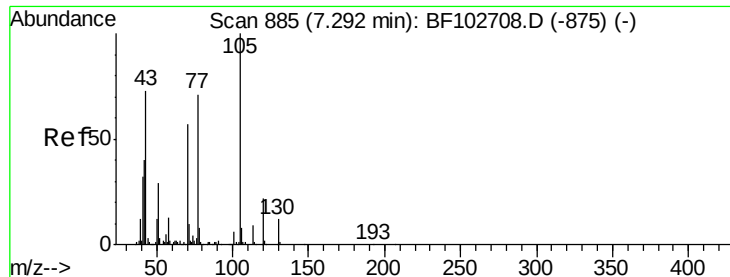
#18
Hexachloroethane
Concen: 30.904 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	117	Resp	143188
Ion Ratio	Lower	Upper	
117	100		
119	98.0	75.8	113.8
201	84.6	75.7	113.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





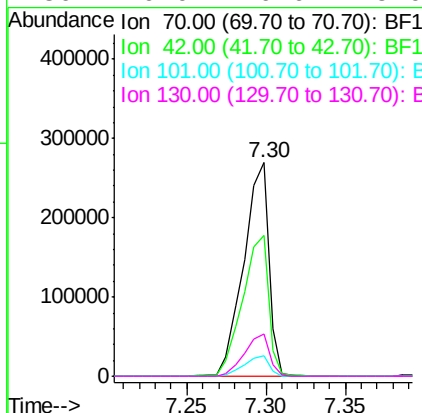
#19
n-Nitroso-di-n-propylamine
Concen: 32.925 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	70	Resp	297378
Ion Ratio	Lower	Upper	
70	100		
42	65.9	47.5	71.3
101	9.8	7.4	11.2
130	20.0	16.6	25.0

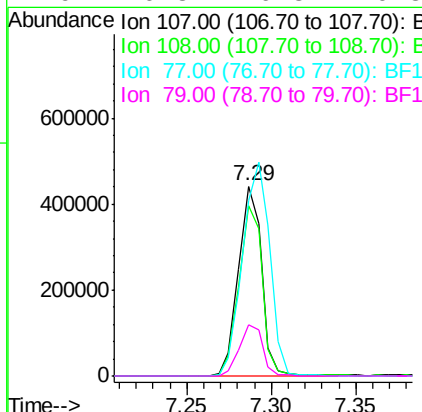
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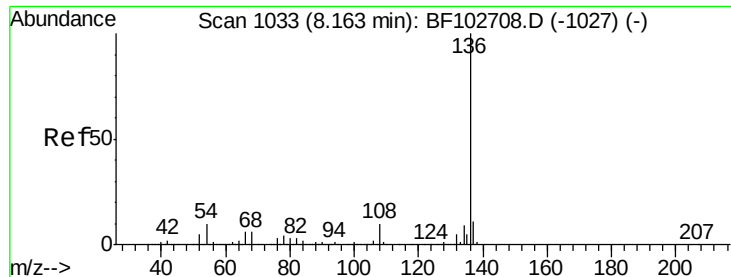
Sohil
2/13/2018 4:36:37 AM



#20
3+4-Methylphenols
Concen: 31.542 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	107	Resp	420255
Ion Ratio	Lower	Upper	
107	100		
108	89.8	68.2	108.2
77	92.4	26.7	66.7#
79	26.8	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

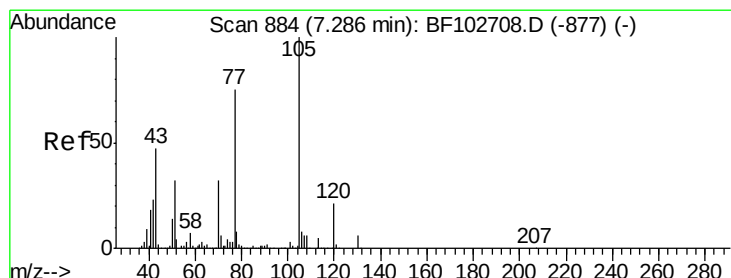
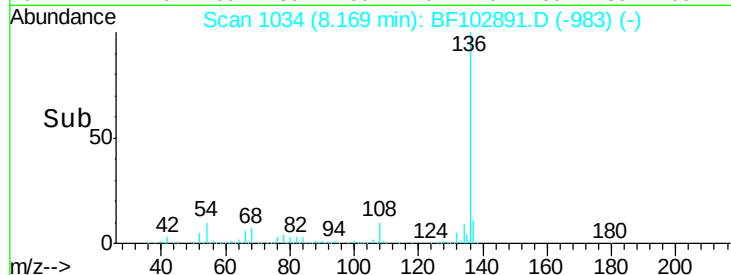
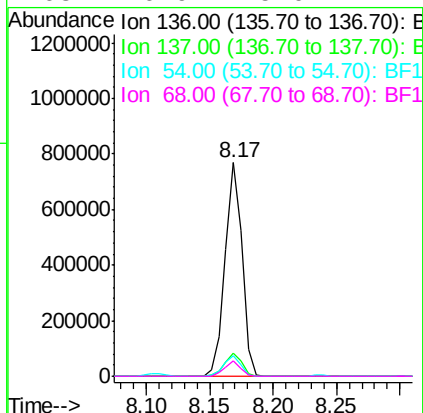
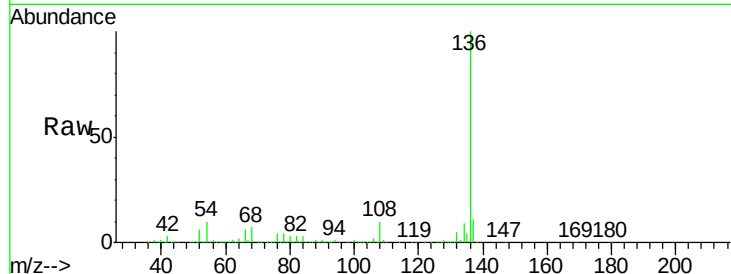
ClientSampleId :

B-21(2-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.9	6.6	9.8#
68	6.9	5.0	7.4

Manual Integrations
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#22

Acetophenone

Concen: 32.548 ng

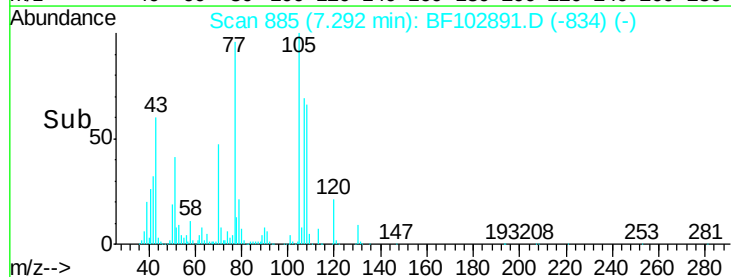
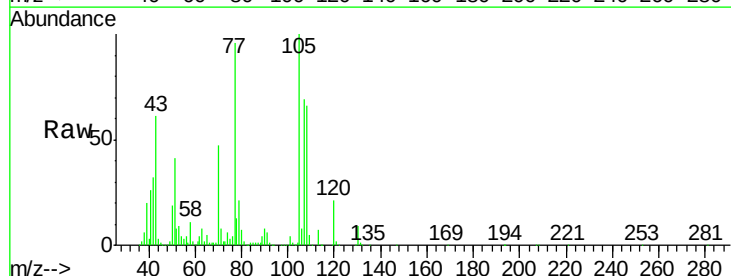
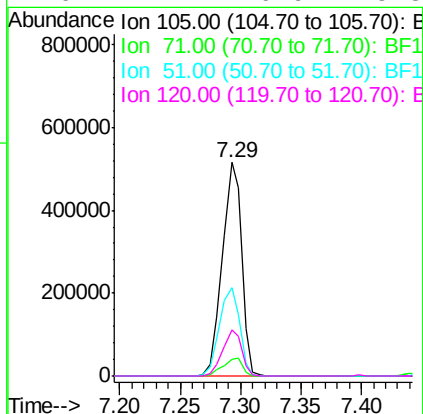
RT: 7.29 min Scan# 885

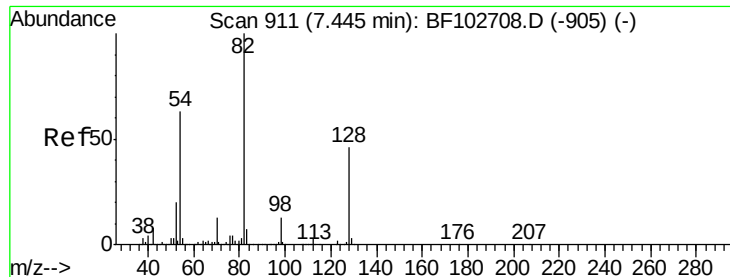
Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	7.9	4.4	6.6#
51	41.2	22.3	33.5#
120	21.4	16.9	25.3





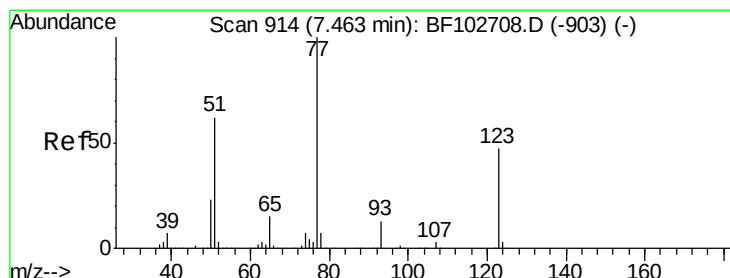
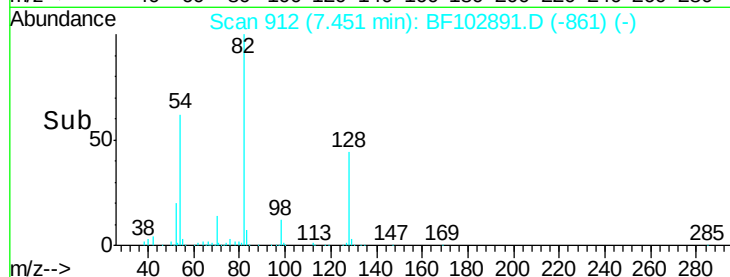
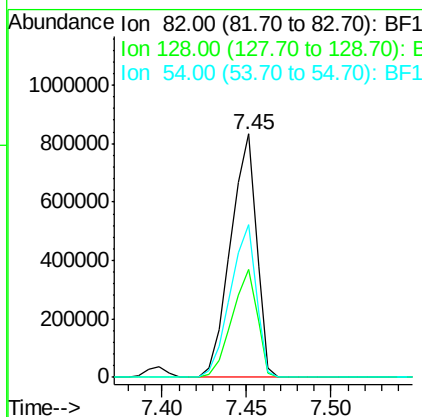
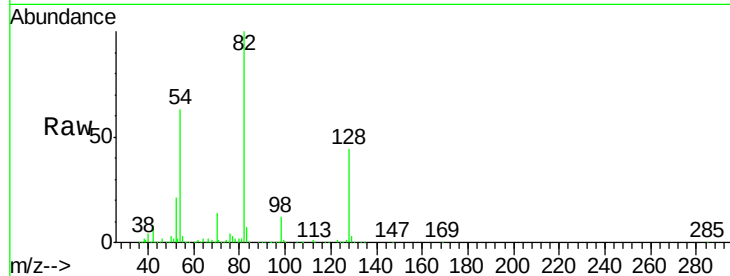
#23
 Nitrobenzene-d5
 Concen: 86.142 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampled :
 B-21(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	36.1	54.1	
54	62.5	41.4	62.2	

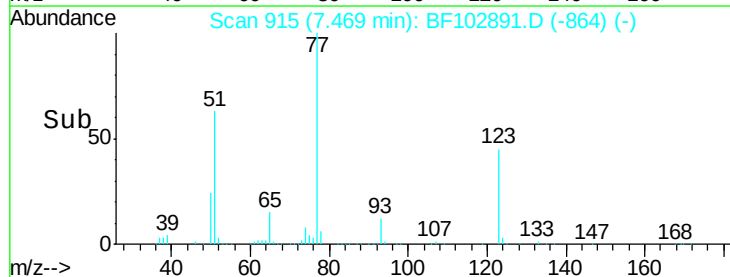
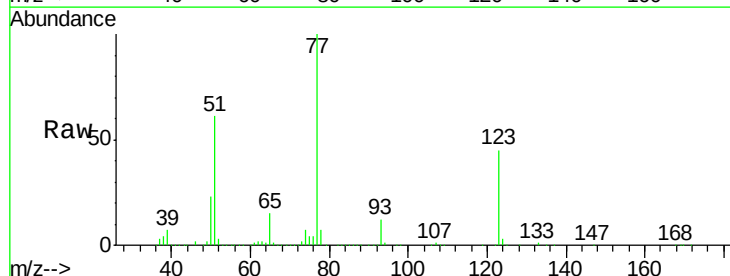
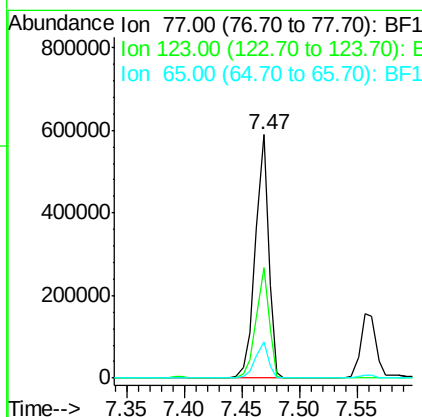
Manual Integrations
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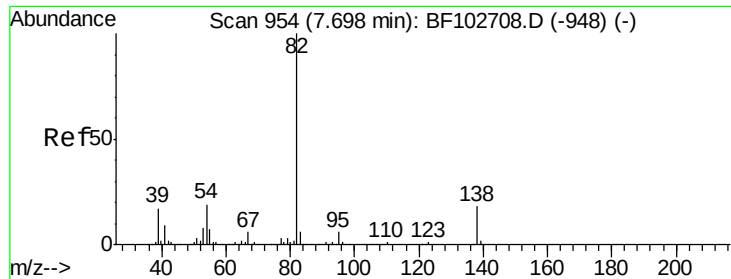
Sohil
 2/13/2018 4:36:37 AM



#24
 Nitrobenzene
 Concen: 38.726 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	45.3	37.9	56.9	
65	14.8	11.0	16.4	





#25

Isophorone

Concen: 36.486 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

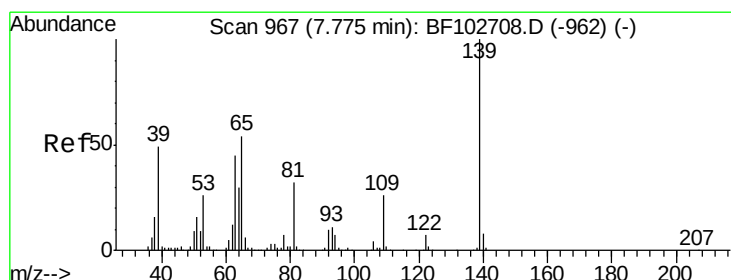
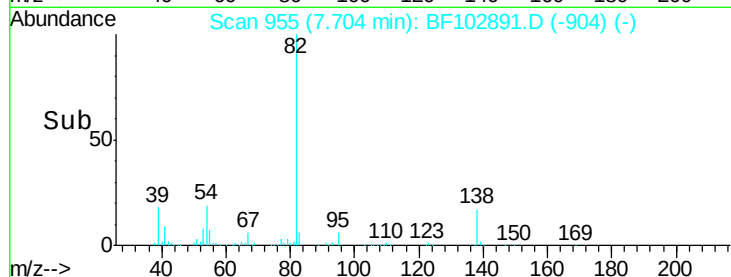
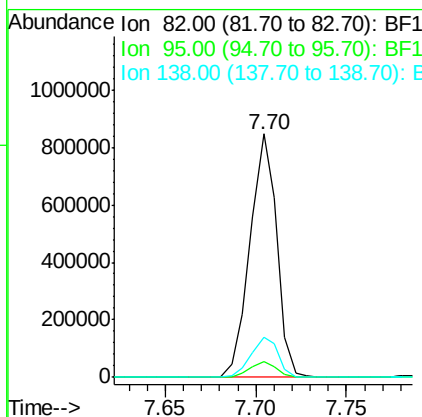
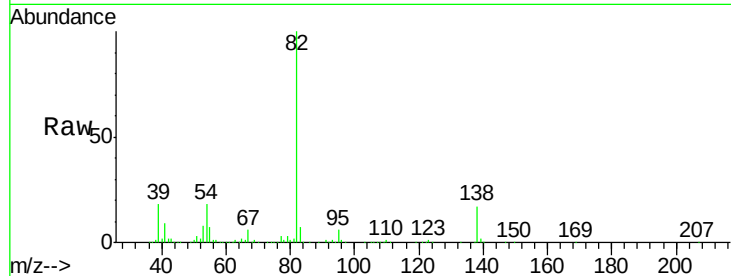
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	82	Resp:	867971
Ion Ratio	Lower	Upper	
82	100		
95	6.4	5.2	7.8
138	16.7	14.9	22.3

Manual Integrations
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2/13/2018 4:36:37 AM



#26

2-Nitrophenol

Concen: 42.939 ng

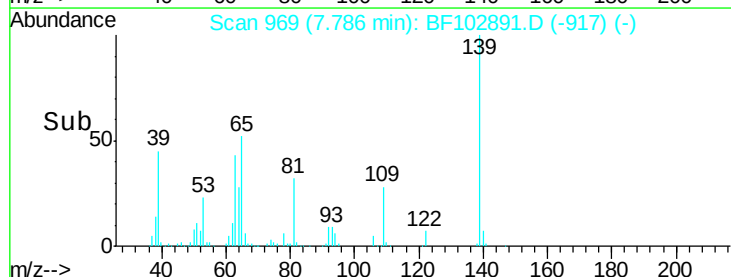
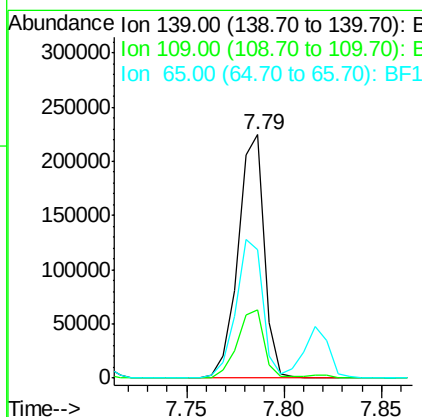
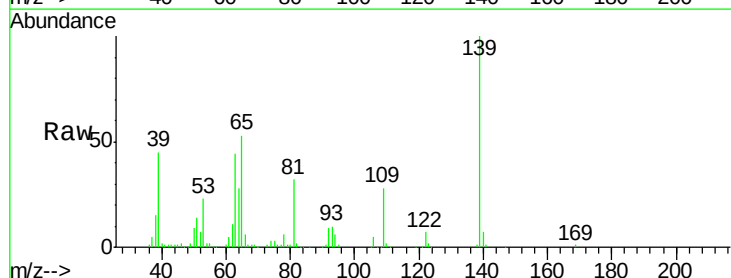
RT: 7.79 min Scan# 969

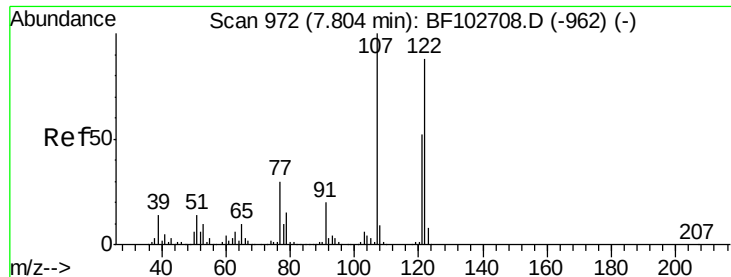
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	139	Resp:	208810
Ion Ratio	Lower	Upper	
139	100		
109	27.9	22.7	34.1
65	52.9	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 39.027 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

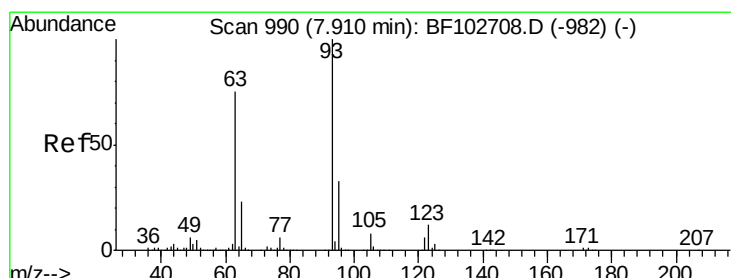
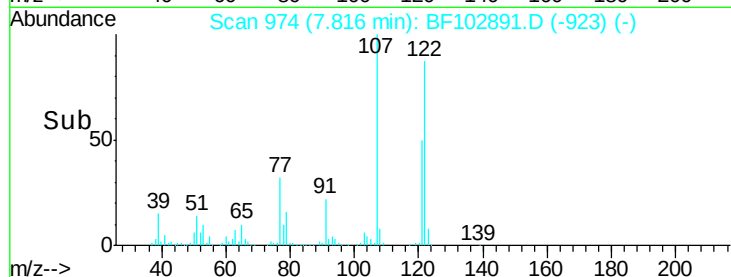
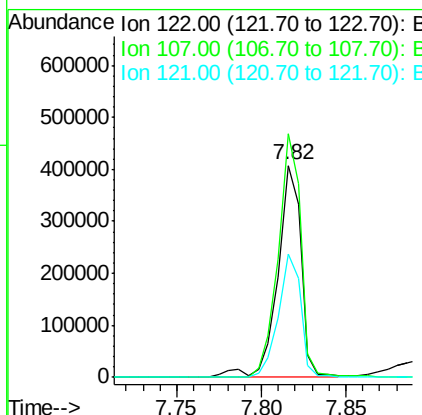
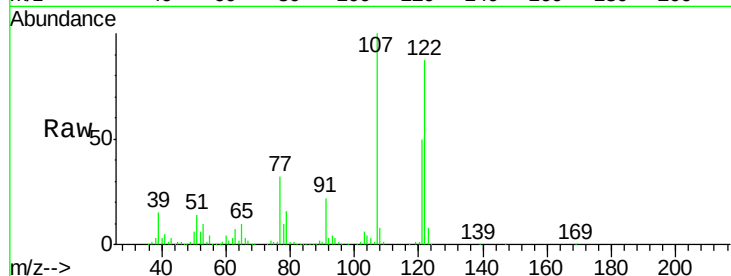
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	122	Resp:	392241
Ion Ratio	Lower	Upper	
122	100		
107	114.8	91.2	136.8
121	57.9	47.2	70.8

Manual Integrations
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2/13/2018 4:36:37 AM



#28

bis(2-Chloroethoxy)methane

Concen: 38.711 ng

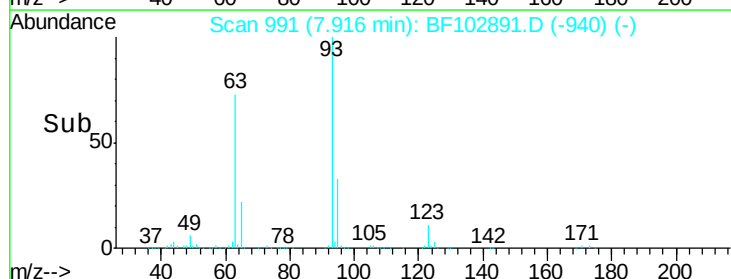
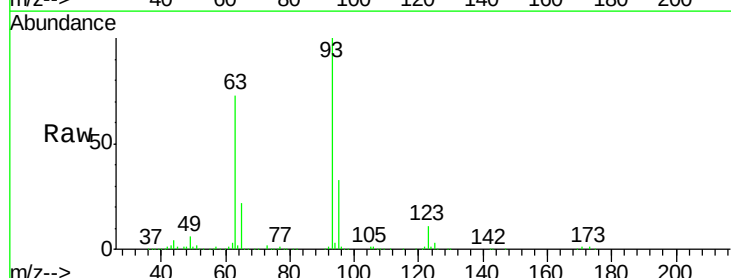
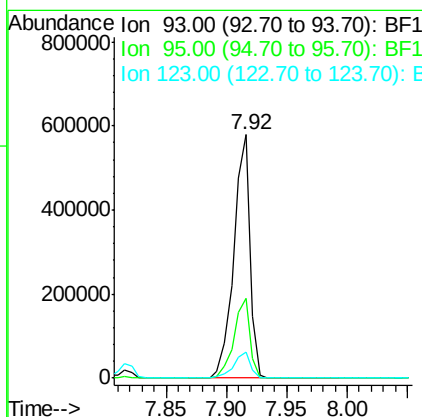
RT: 7.92 min Scan# 991

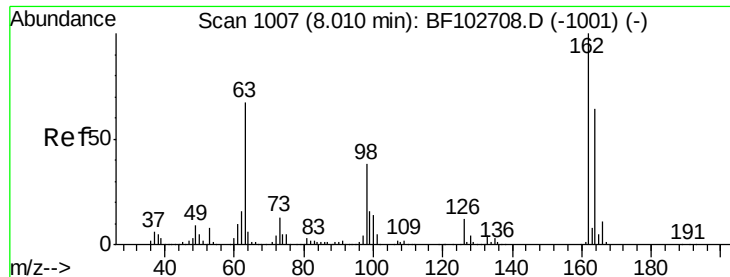
Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	93	Resp:	545533
Ion Ratio	Lower	Upper	
93	100		
95	32.7	26.3	39.5
123	10.9	9.8	14.6





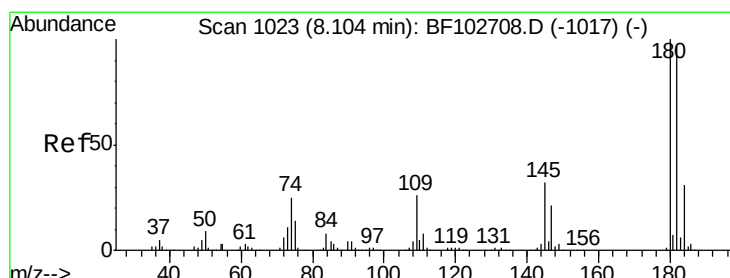
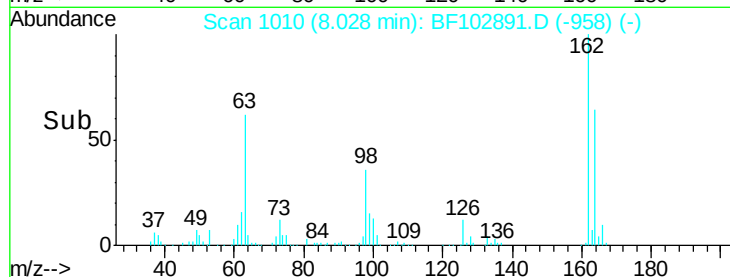
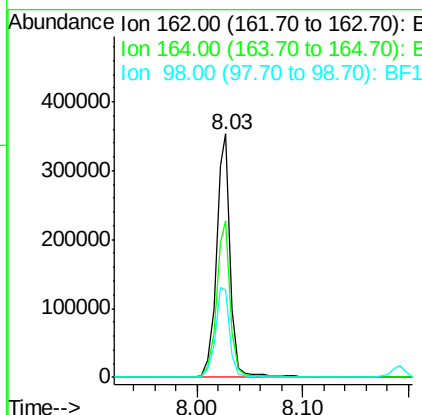
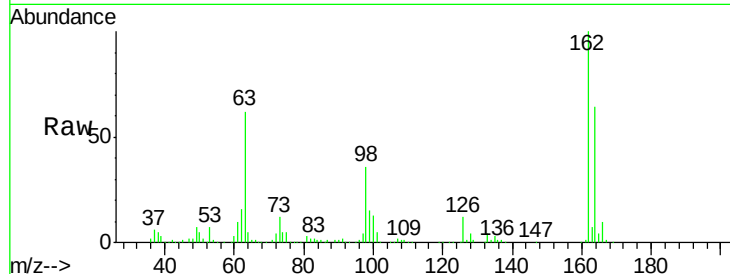
#29
 2,4-Dichlorophenol
 Concen: 36.224 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		330968		
164	64.3	42.7	82.7		
98	36.1	18.1	58.1		

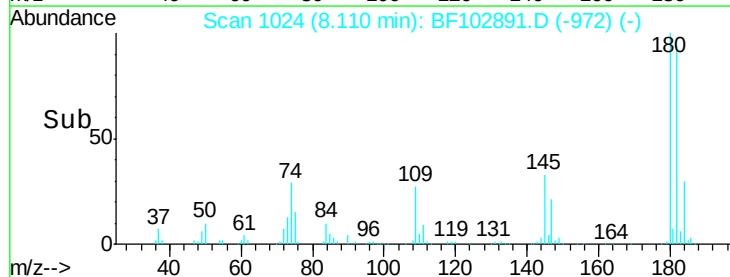
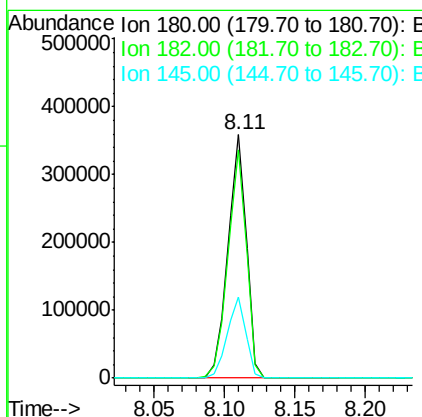
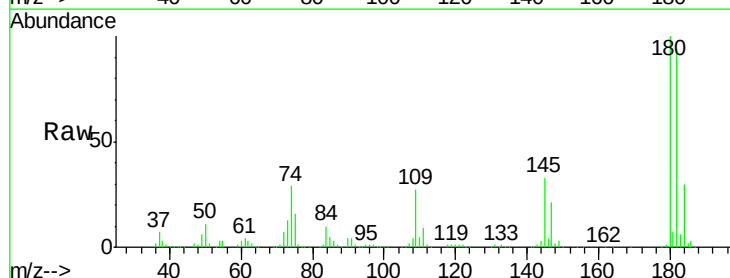
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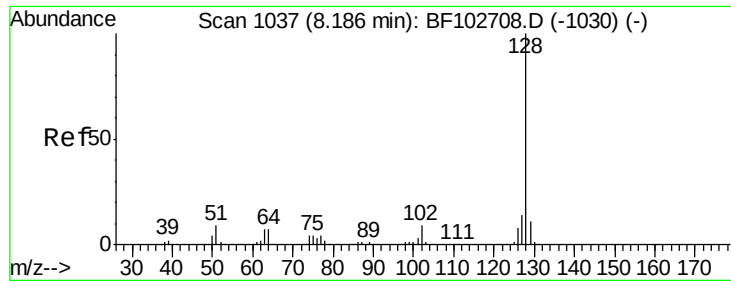
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#30
 1,2,4-Trichlorobenzene
 Concen: 31.553 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		326128		
182	93.9	76.8	115.2		
145	33.4	26.5	39.7		





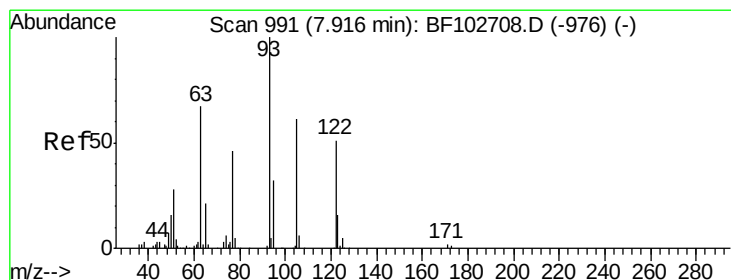
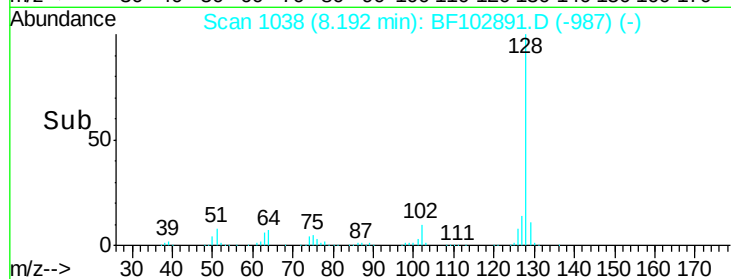
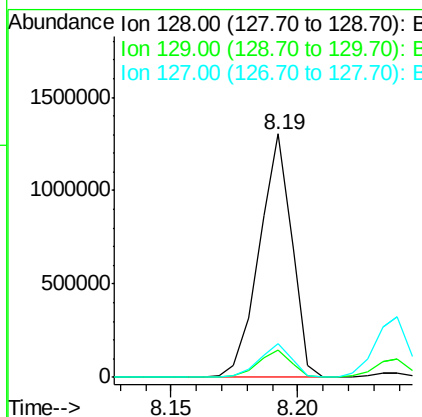
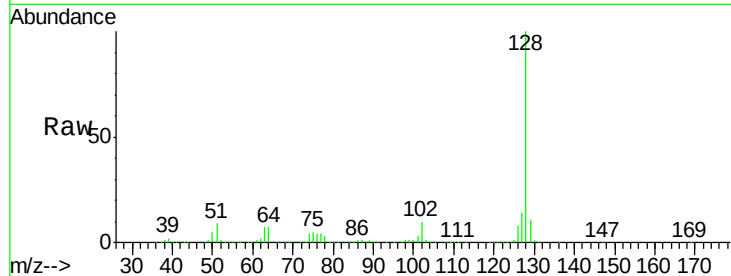
#31
Naphthalene
Concen: 33.437 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.7	10.9	16.3

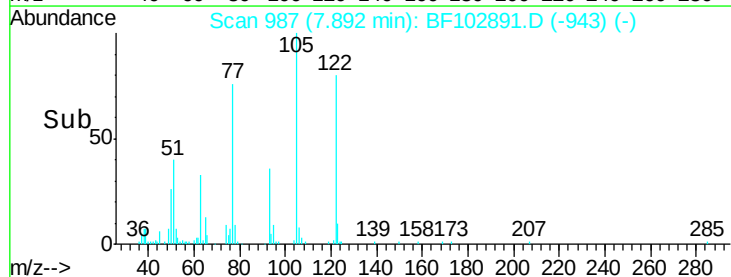
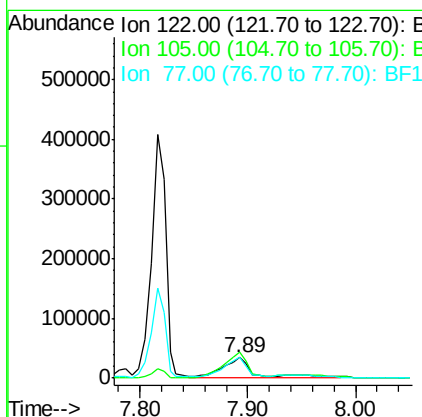
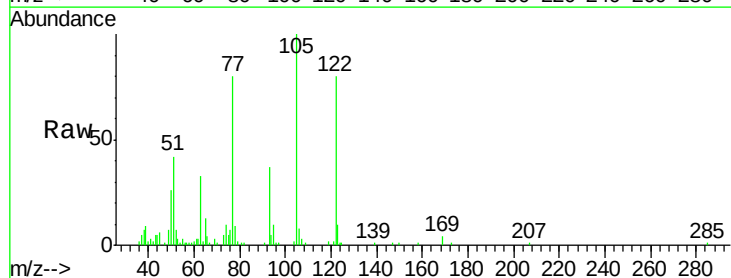
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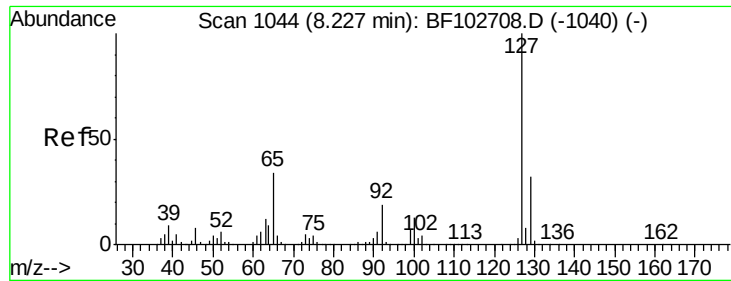
Sohil
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#32
Benzoic acid
Concen: 17.275 ng m
RT: 7.89 min Scan# 987
Delta R.T. -0.04 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
122	100		
105	125.1	101.1	141.1
77	100.1	70.7	110.7





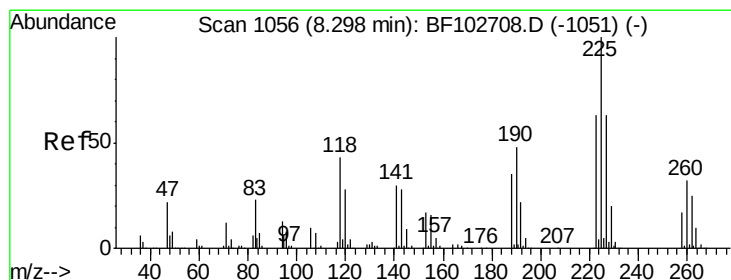
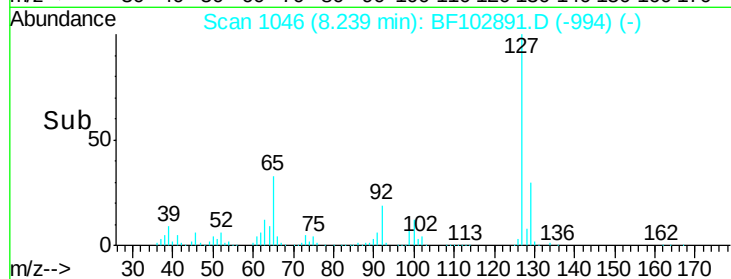
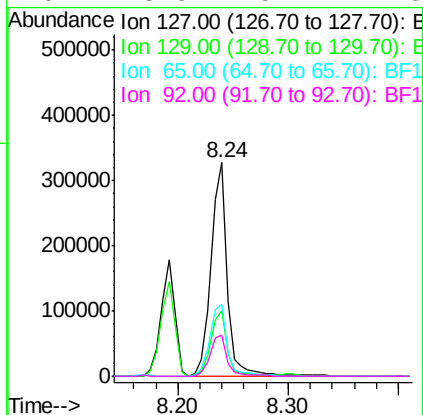
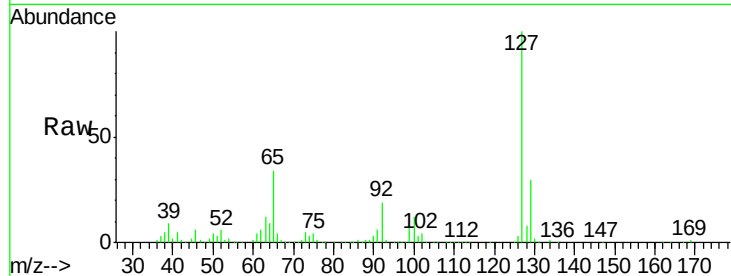
#33
 4-Chloroaniline
 Concen: 21.570 ng
 RT: 8.24 min Scan# 1046
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.5	25.9	38.9		
65	33.6	25.0	37.4		
92	18.9	15.2	22.8		

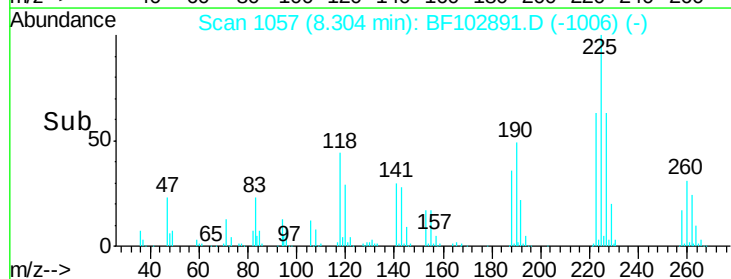
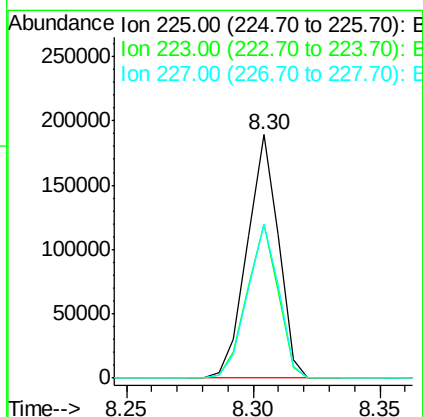
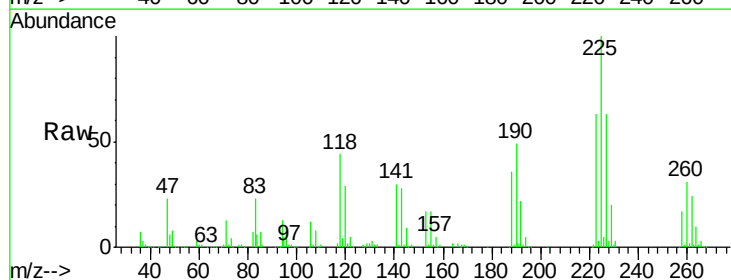
Manual Integrations
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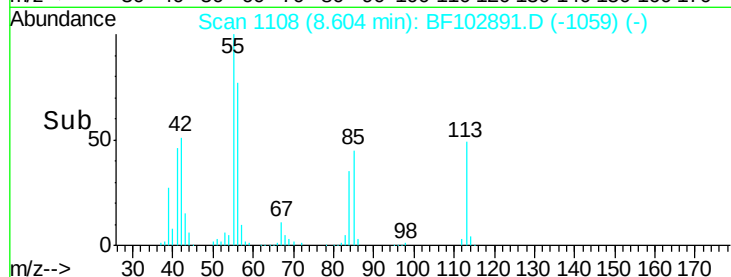
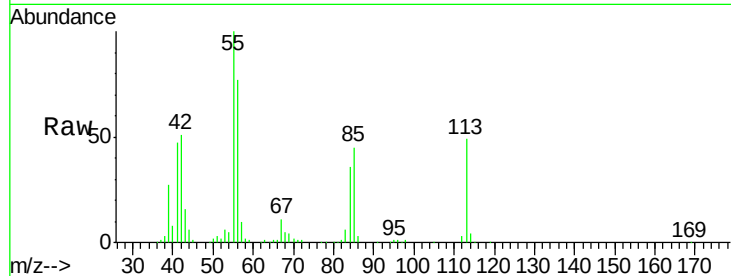
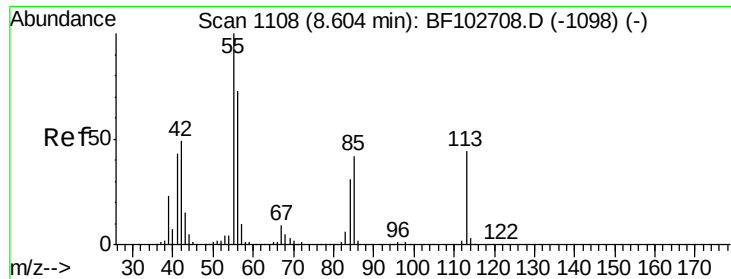
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#34
 Hexachlorobutadiene
 Concen: 30.669 ng
 RT: 8.30 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.2	50.6	76.0		
227	63.4	51.9	77.9		





#35

Caprolactam

Concen: 36.216 ng/mL

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tot Ion:	113	Resp:	114914
Ion Ratio	Lower	Upper	
113	100		
55	205.2	163.3	203.3#
56	157.2	115.7	155.7#

Instrument :

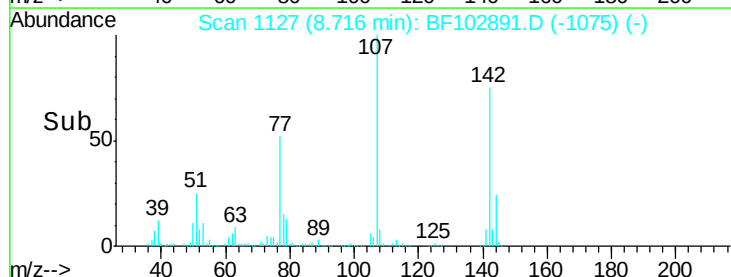
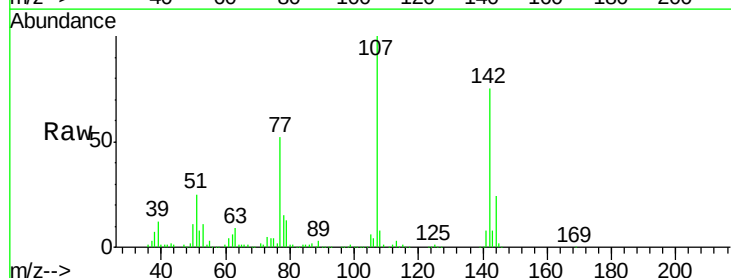
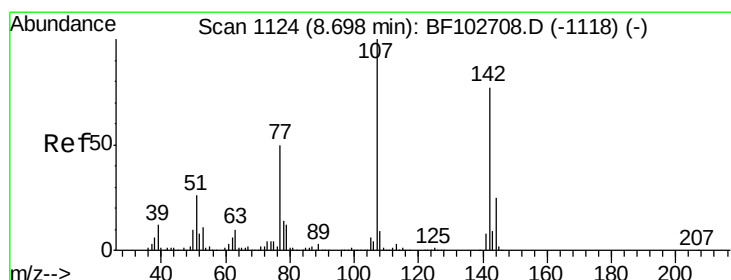
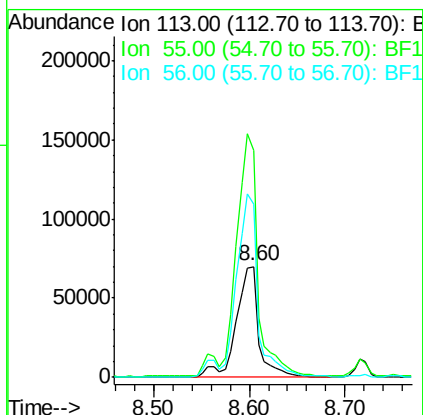
BNA_F

ClientSampled :

B-21(2-4)MSD

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 35.992 ng/mL

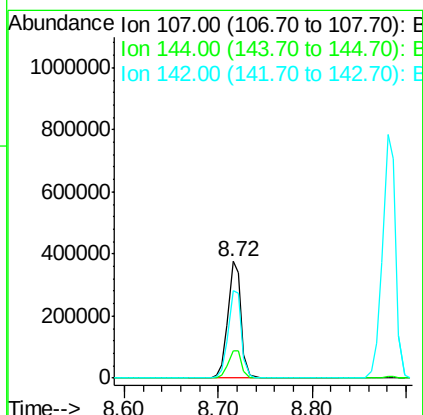
RT: 8.72 min Scan# 1127

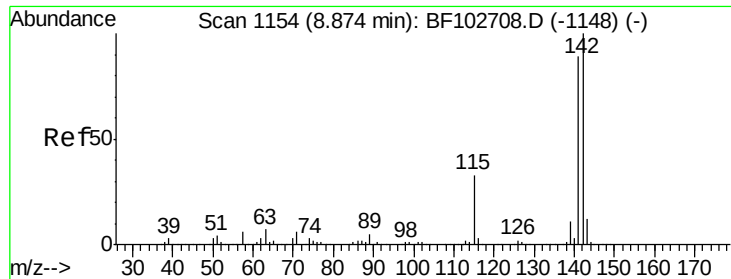
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	107	Resp:	369485
Ion Ratio	Lower	Upper	
107	100		
144	23.9	20.5	30.7
142	74.8	62.0	93.0





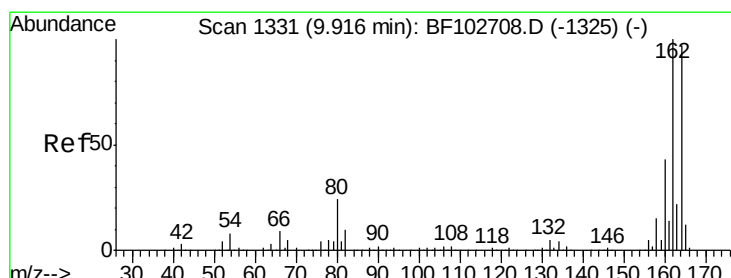
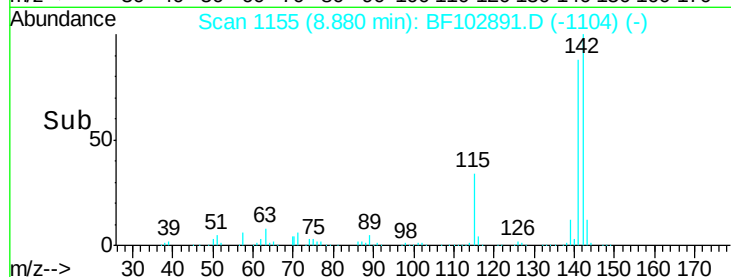
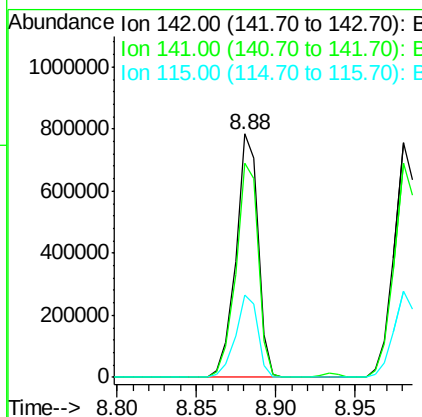
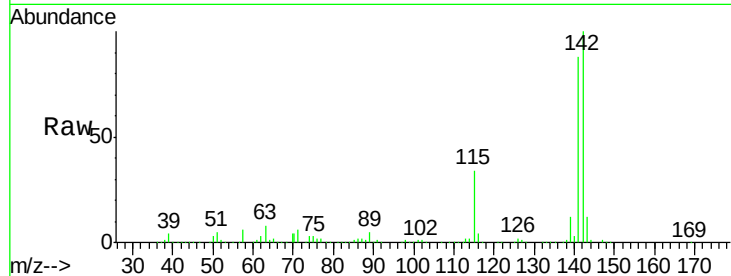
#37
2-Methylnaphthalene
Concen: 33.212 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampled :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2
115	33.9	26.1	39.1

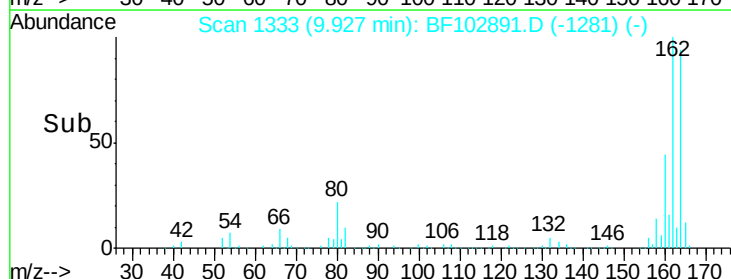
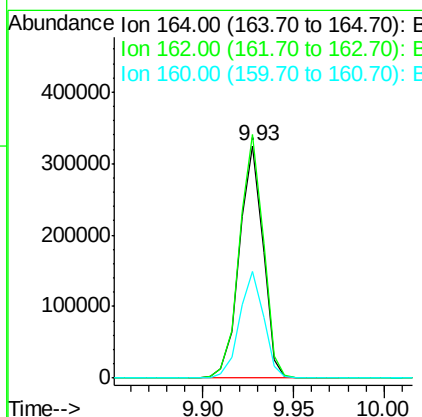
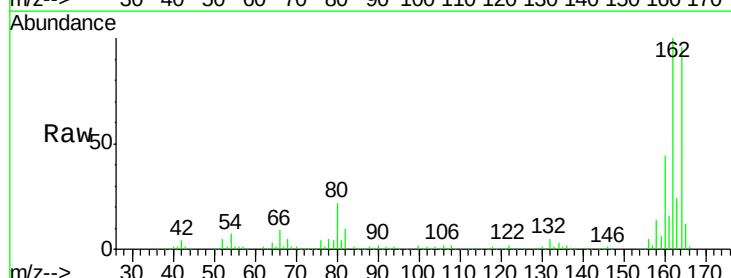
Manual Integrations
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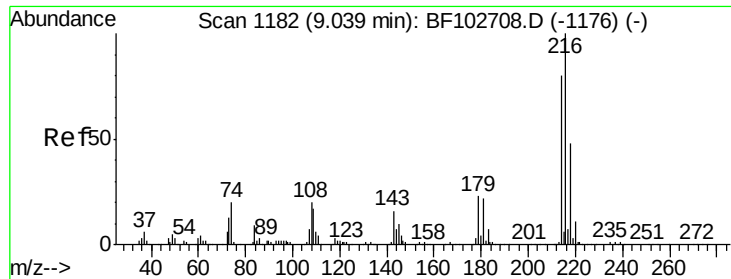
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	45.8	38.3	57.5





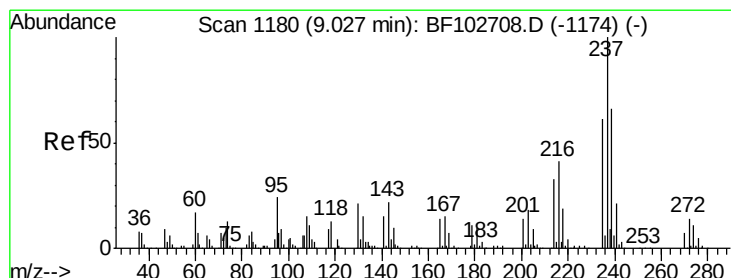
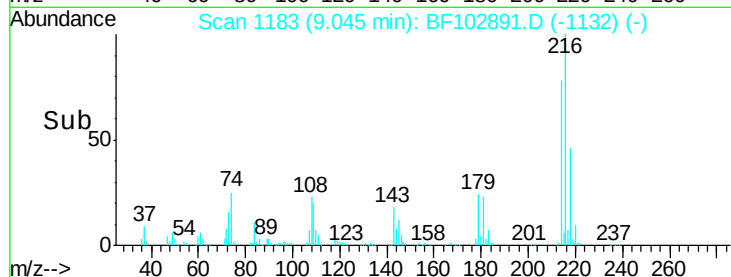
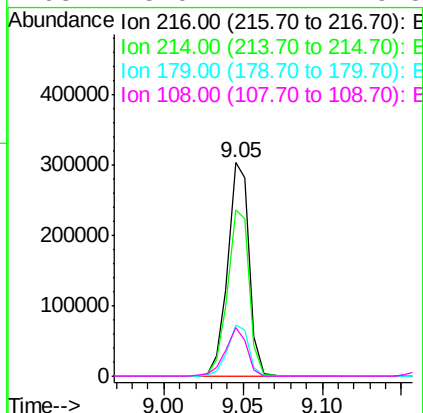
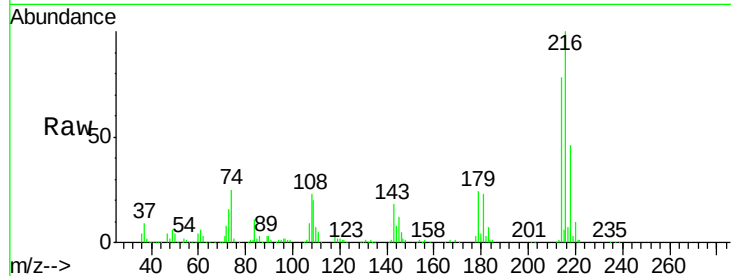
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.166 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.1	63.0	94.4
179	23.7	18.1	27.1
108	23.0	17.2	25.8

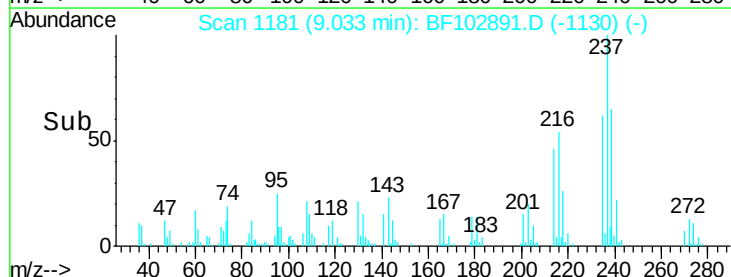
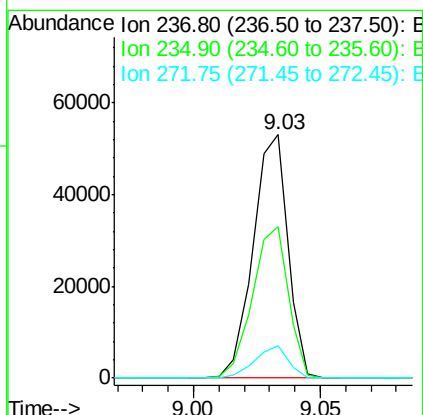
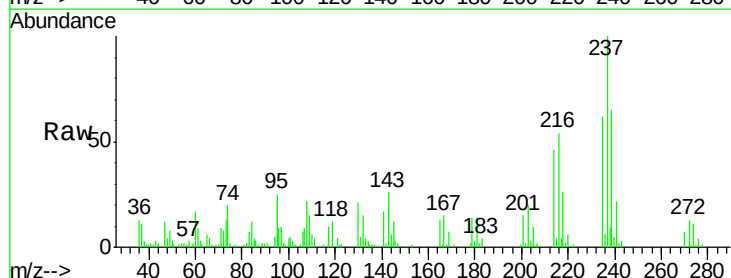
Manual Integrations
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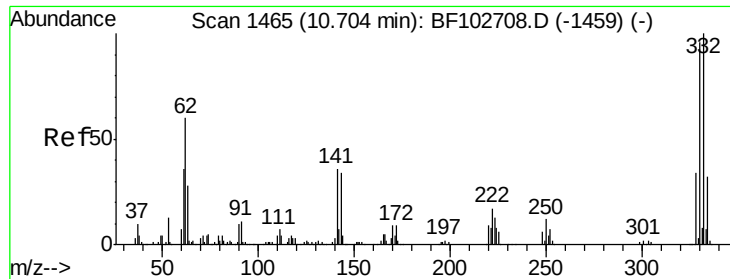
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#40
 Hexachlorocyclopentadiene
 Concen: 13.320 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	62.2	44.8	84.8
272	13.4	0.0	33.3





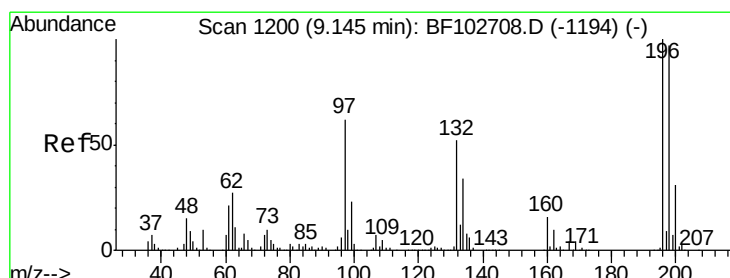
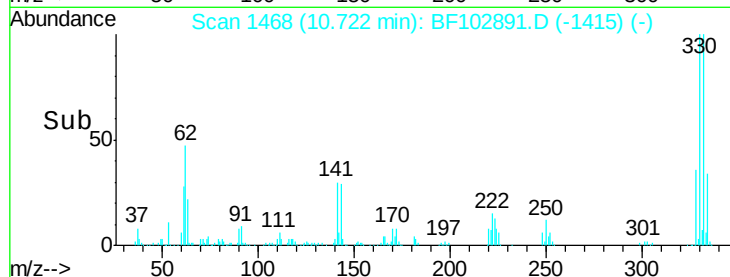
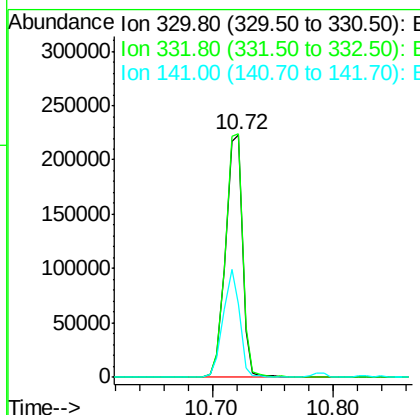
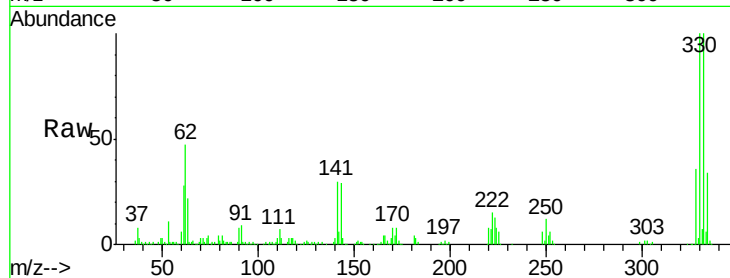
#41
 2,4,6-Tribromophenol
 Concen: 91.496 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.9	77.0	115.6	
141	43.3	29.9	44.9	

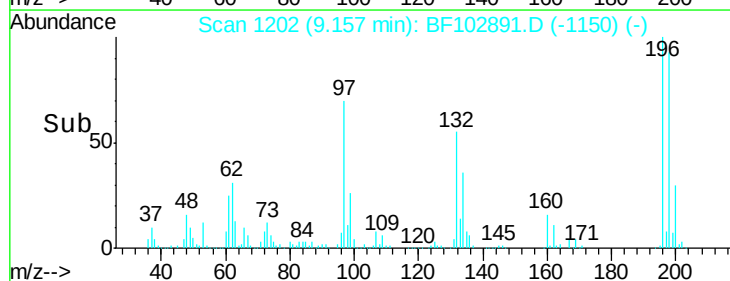
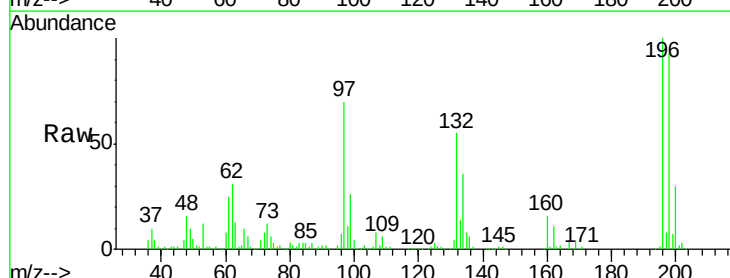
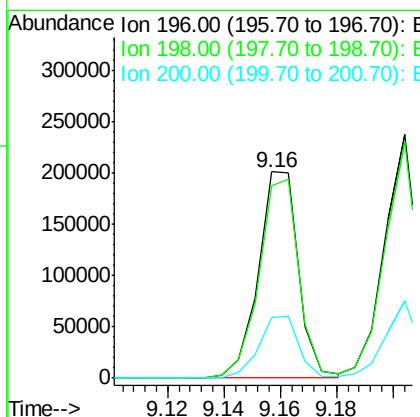
Manual Integrations
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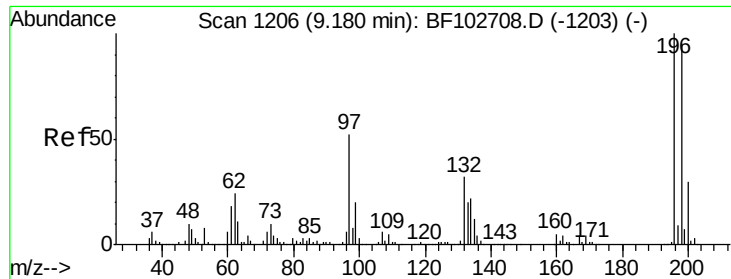
Sohil
 2/13/2018 4:36:37 AM



#42
 2,4,6-Trichlorophenol
 Concen: 37.458 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	93.4	75.7	113.5	
200	29.6	24.5	36.7	





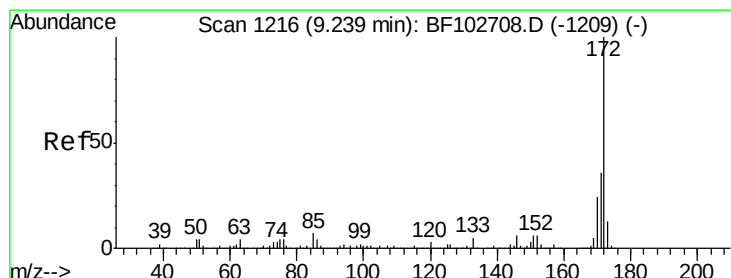
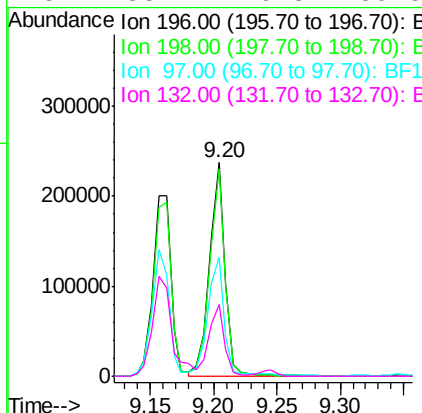
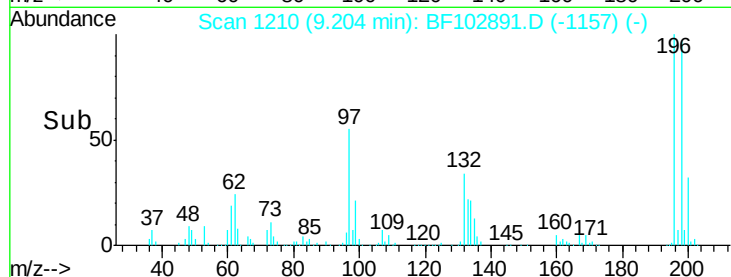
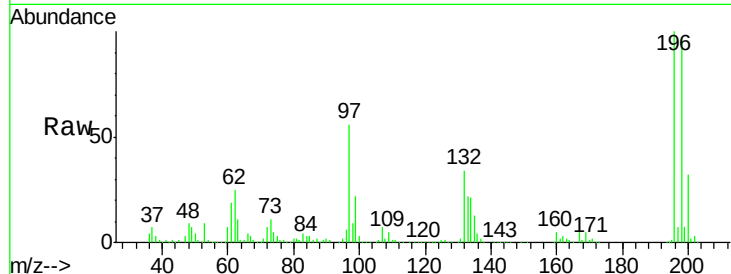
#43
 2,4,5-Trichlorophenol
 Concen: 34.552 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		205919		
198	97.0		74.6	112.0	
97	55.6		42.9	64.3	
132	33.7		26.3	39.5	

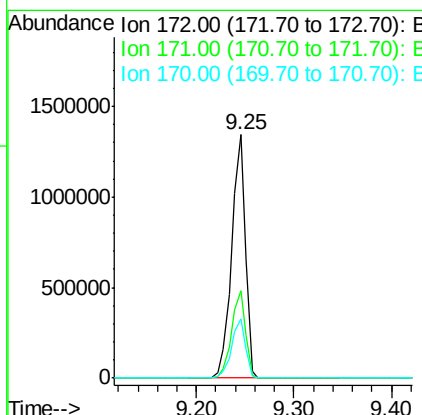
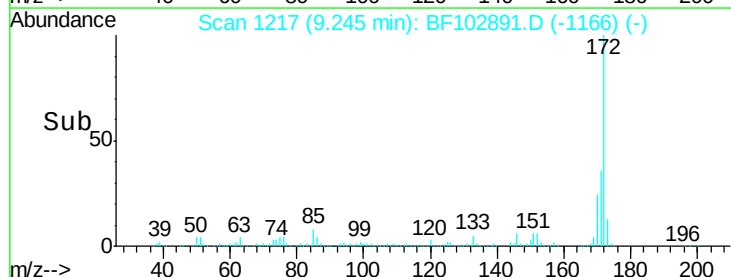
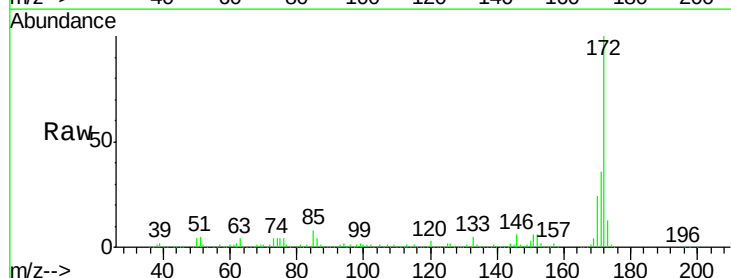
Manual Integrations
 APPROVED

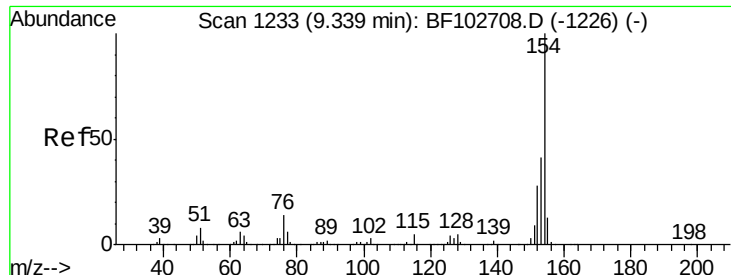
Sohil
 2/13/2018 4:36:37 AM



#44
 2-Fluorobiphenyl
 Concen: 73.802 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1314972		
171	35.7		29.7	44.5	
170	24.3		19.6	29.4	





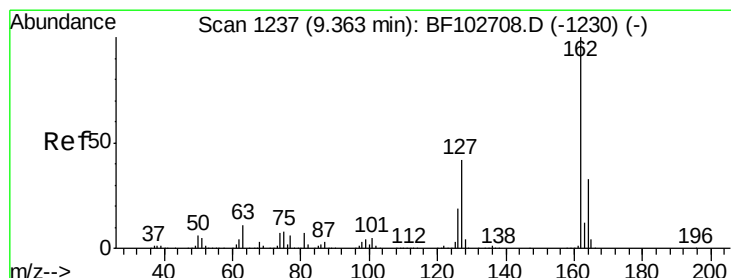
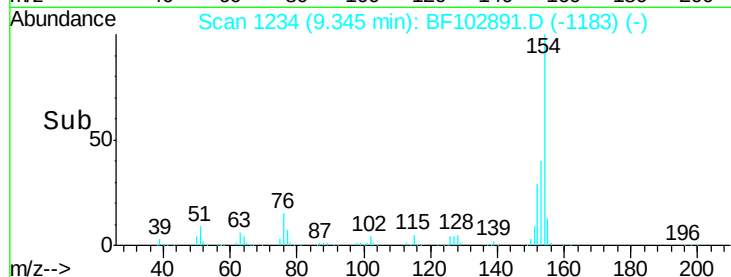
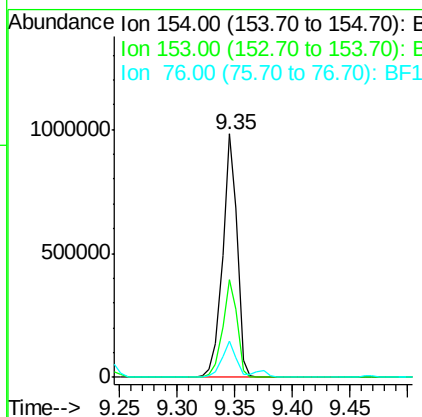
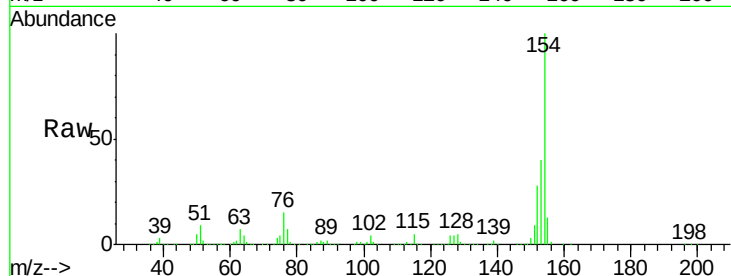
#45
1,1'-Biphenyl
Concen: 34.313 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
154	100				
153	40.3	21.3	61.3		
76	14.7	0.0	34.0		

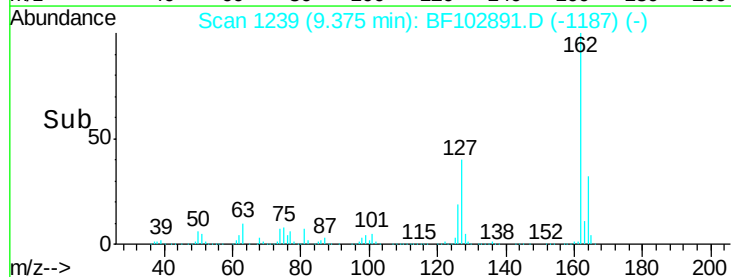
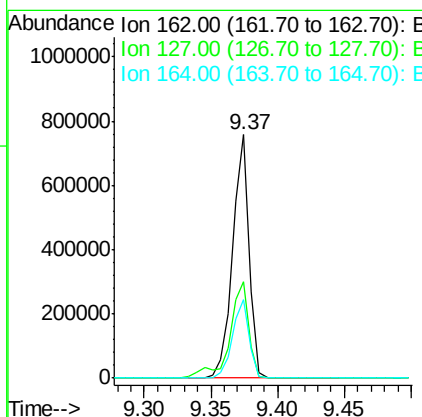
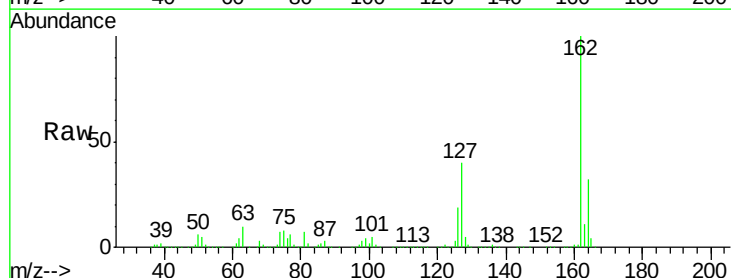
Manual Integrations
APPROVED

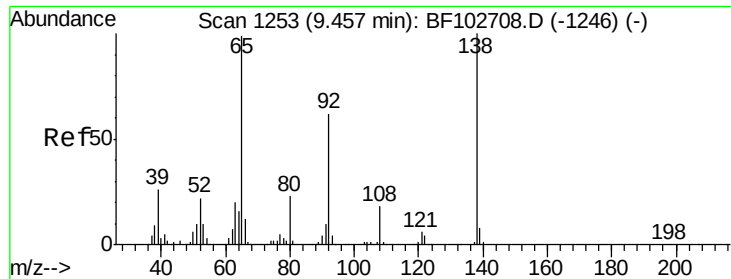
Sohil
2/13/2018 4:36:37 AM



#46
2-Chloronaphthalene
Concen: 33.779 ng
RT: 9.37 min Scan# 1239
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.7	33.9	50.9		
164	32.4	26.5	39.7		





#47

2-Nitroaniline

Concen: 43.962 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

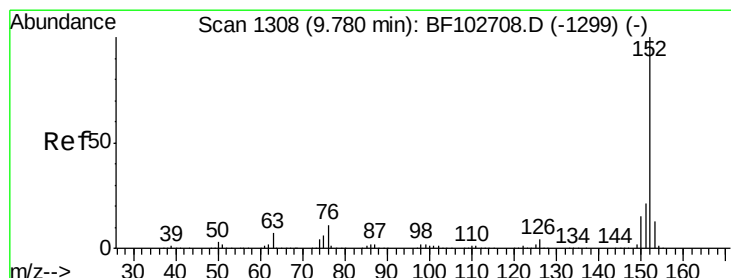
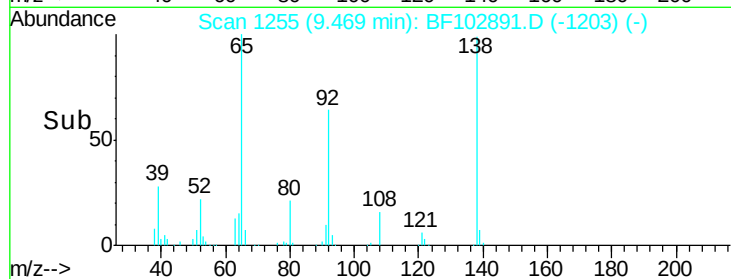
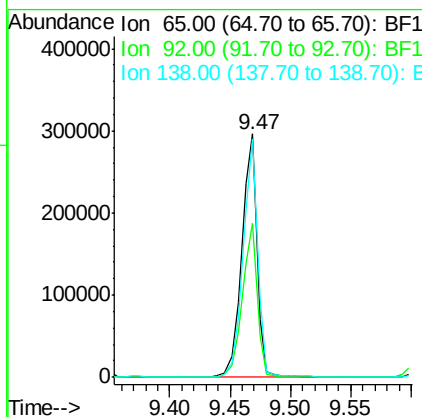
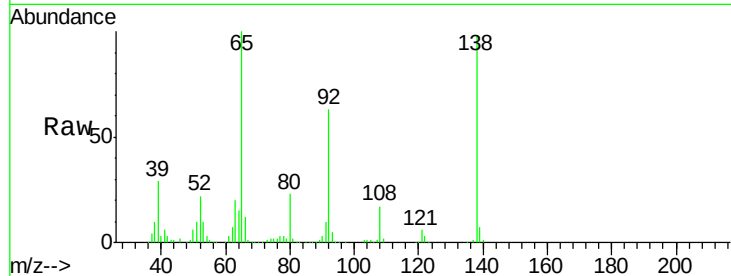
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	65	Resp:	264047
Ion Ratio	Lower	Upper	
65	100		
92	63.3	55.8	83.6
138	97.7	91.2	136.8

Manual Integrations
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Sohil
2/13/2018 4:36:37 AM



#48

Acenaphthylene

Concen: 33.408 ng

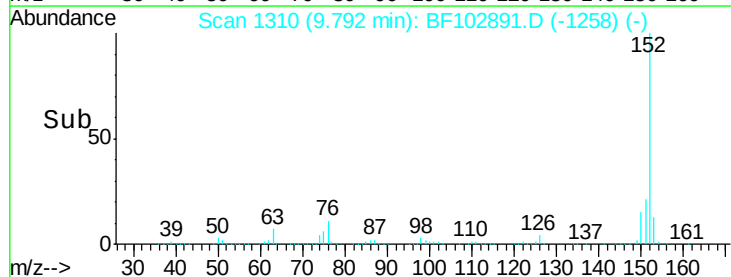
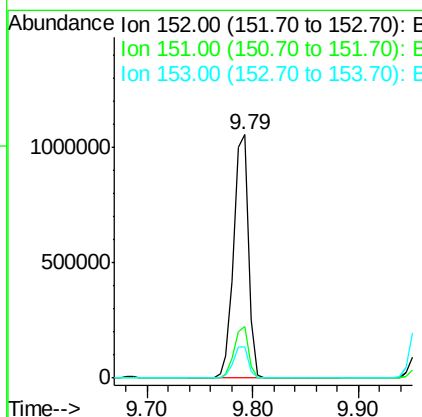
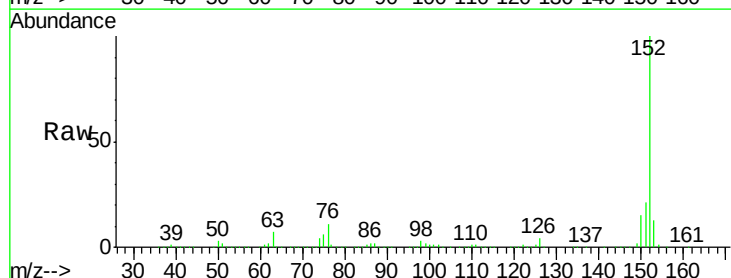
RT: 9.79 min Scan# 1310

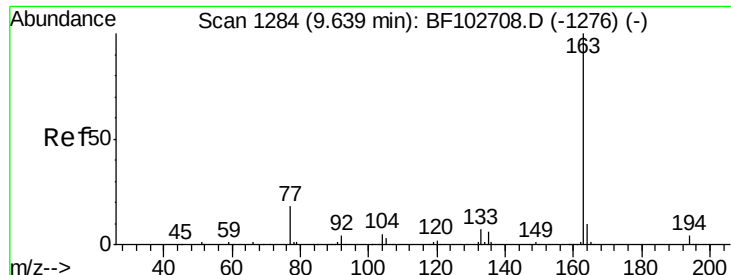
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	152	Resp:	1017275
Ion Ratio	Lower	Upper	
152	100		
151	21.1	16.3	24.5
153	13.0	10.7	16.1





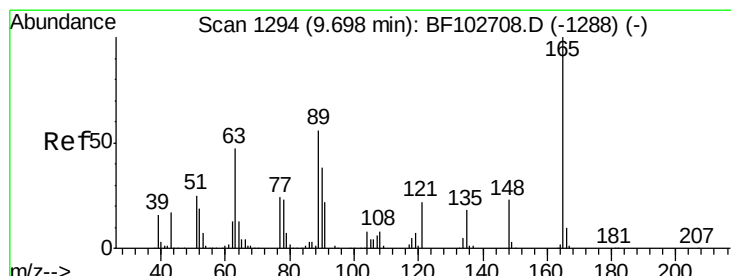
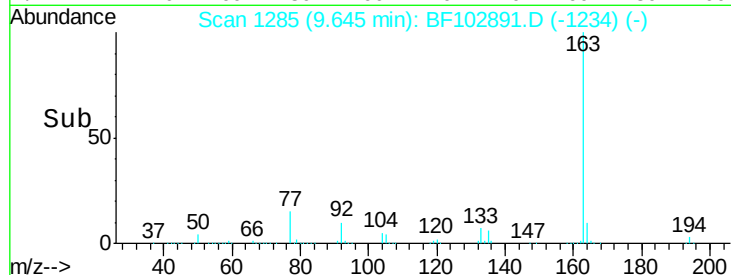
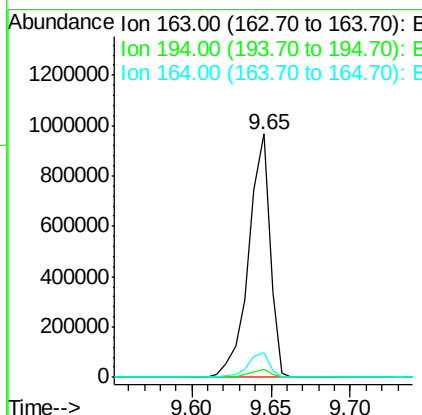
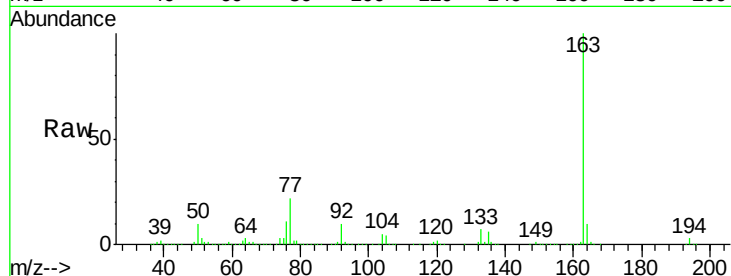
#49
Dimethylphthalate
Concen: 39.299 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	10.4	8.2	12.2	

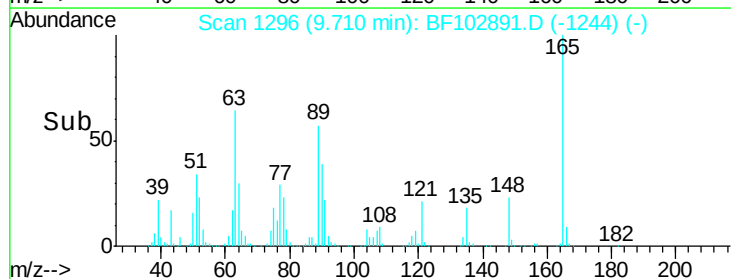
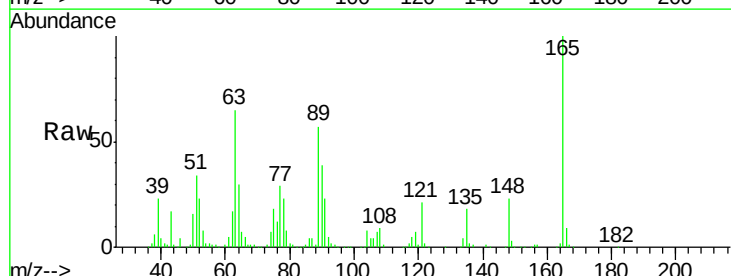
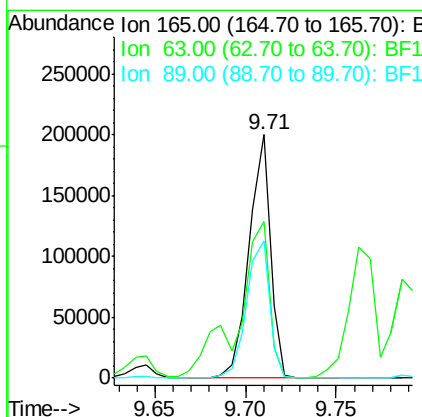
Manual Integrations
APPROVED

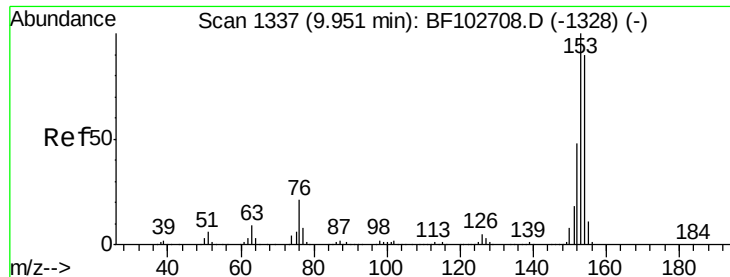
Sohil
2/13/2018 4:36:37 AM



#50
2,6-Dinitrotoluene
Concen: 37.577 ng
RT: 9.71 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	64.5	44.7	67.1	
89	56.6	44.0	66.0	





#51

Acenaphthene

Concen: 32.576 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

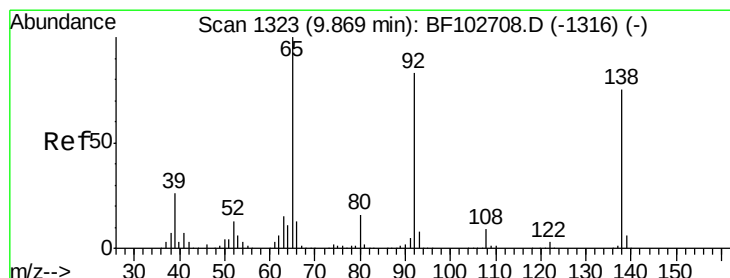
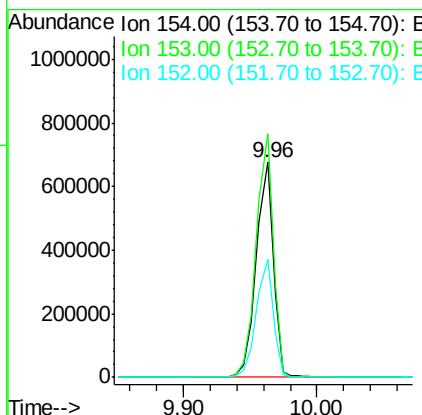
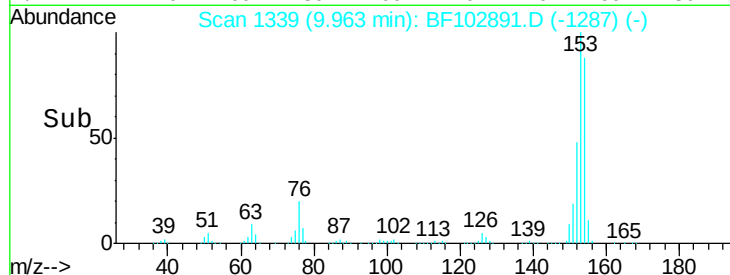
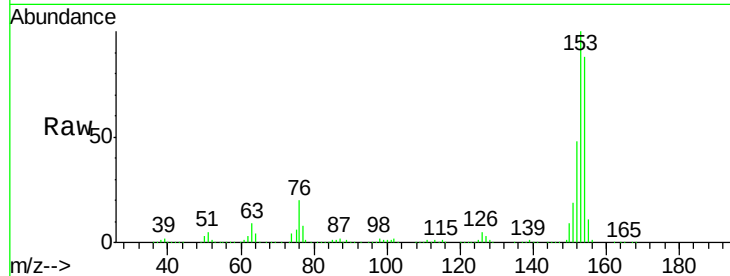
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	154	Resp:	593200
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.2	136.8
152	54.6	43.8	65.8

Manual Integrations
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Sohil
2/13/2018 4:36:37 AM



#52

3-Nitroaniline

Concen: 31.694 ng

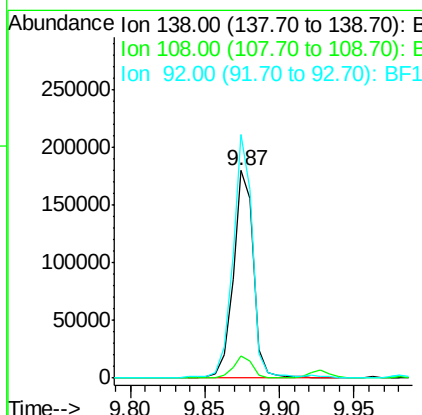
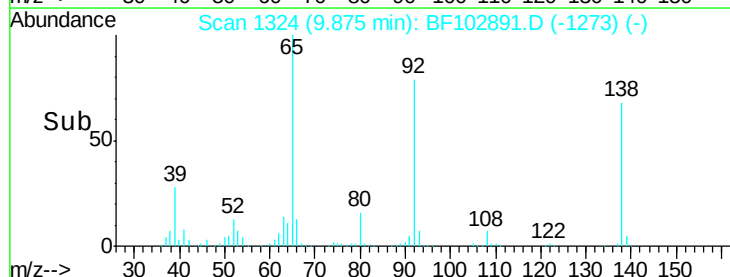
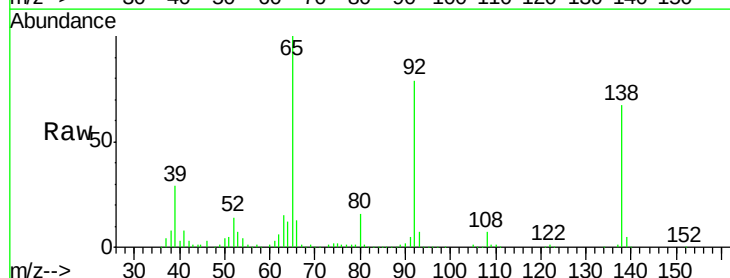
RT: 9.87 min Scan# 1324

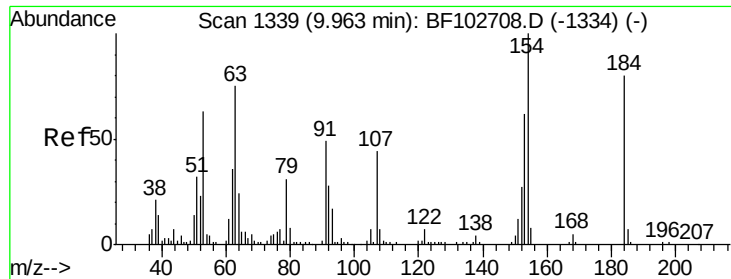
Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	138	Resp:	171042
Ion Ratio	Lower	Upper	
138	100		
108	10.8	9.4	14.0
92	117.5	89.4	134.2





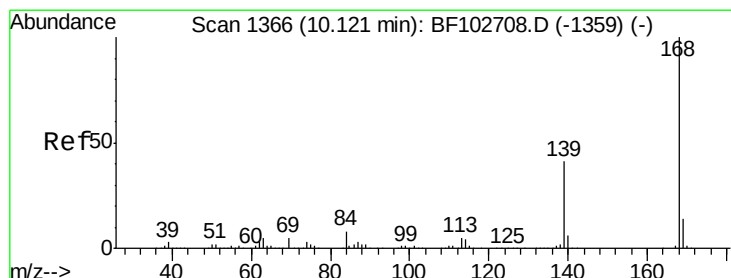
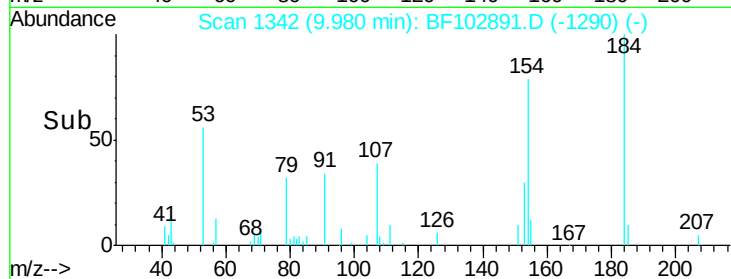
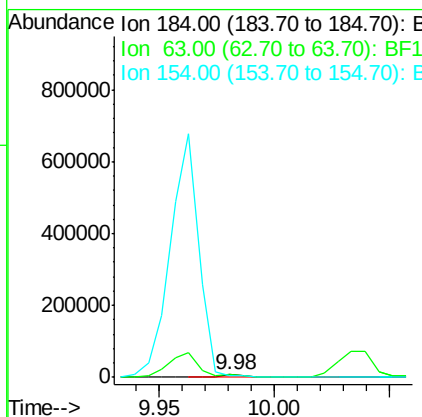
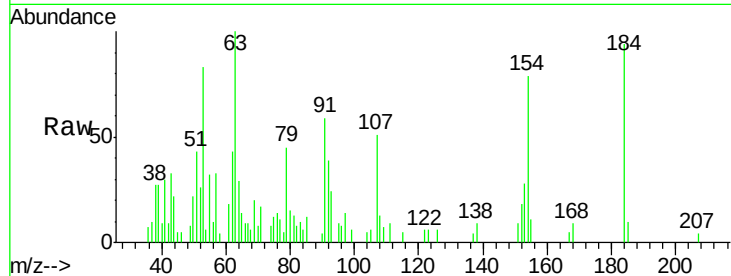
#53
2,4-Dinitrophenol
Concen: 16.086 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	106.7	54.2	81.2#
154	84.5	184.0	276.0#

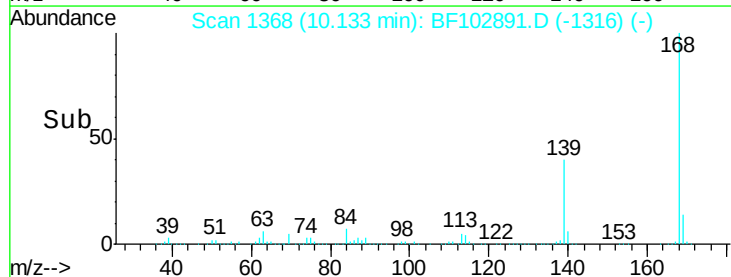
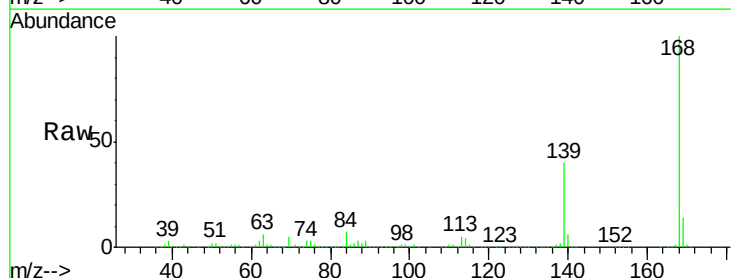
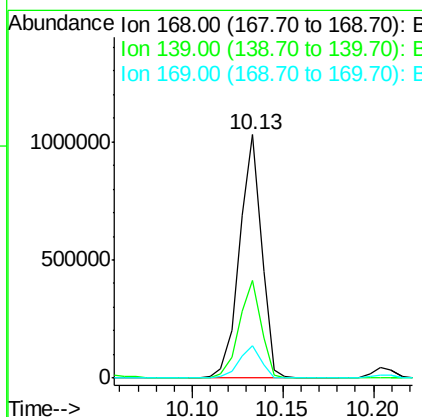
Manual Integrations
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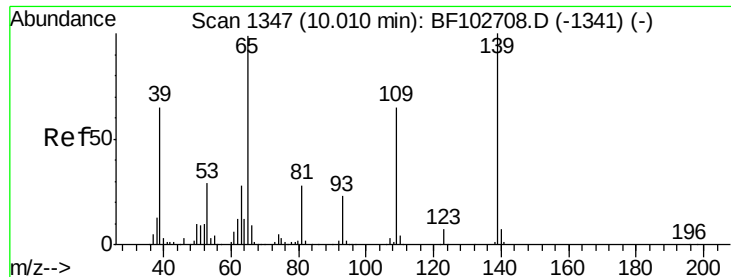
Sohil
2/13/2018 4:36:37 AM



#54
Dibenzofuran
Concen: 33.785 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.1	30.1	45.1
169	13.5	10.9	16.3





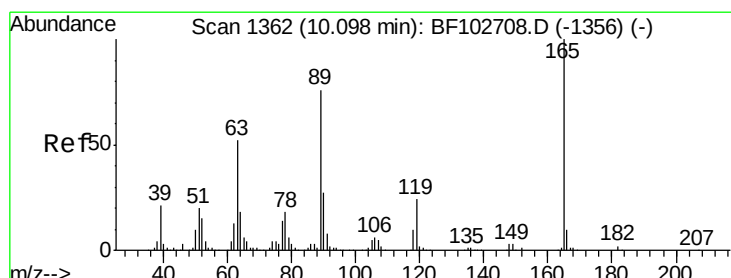
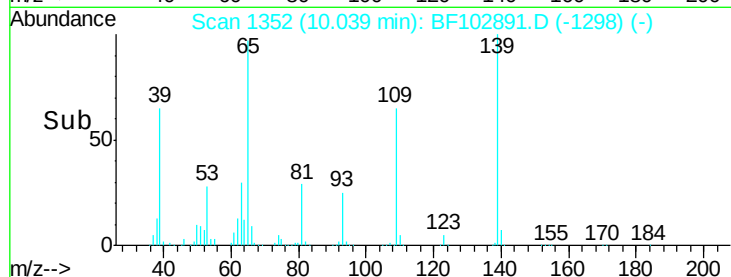
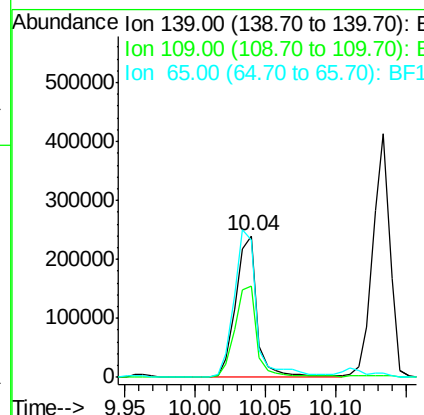
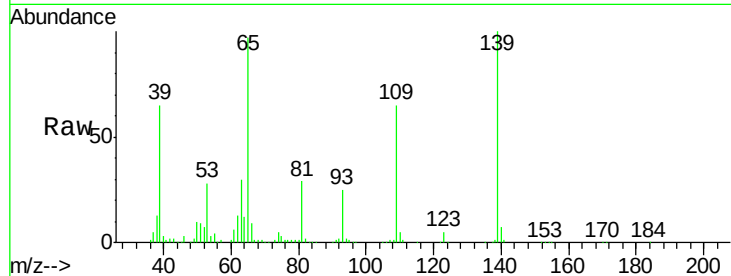
#55
4-Nitrophenol
Concen: 58.293 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampled :
B-21(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	253423		
109	64.6	48.4	88.4	
65	97.5	72.6	112.6	

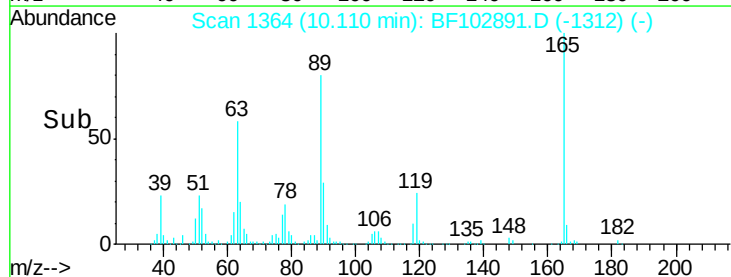
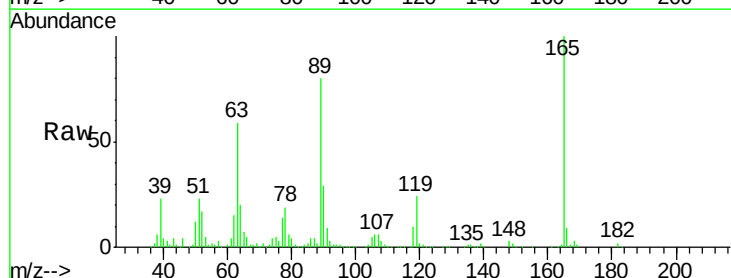
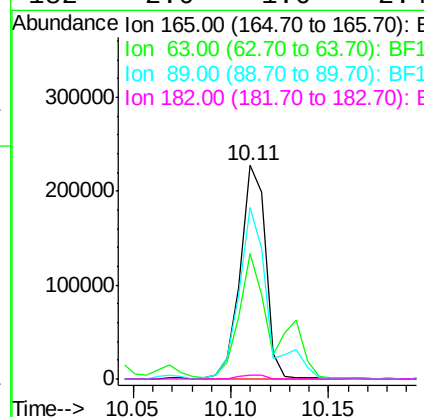
Manual Integrations
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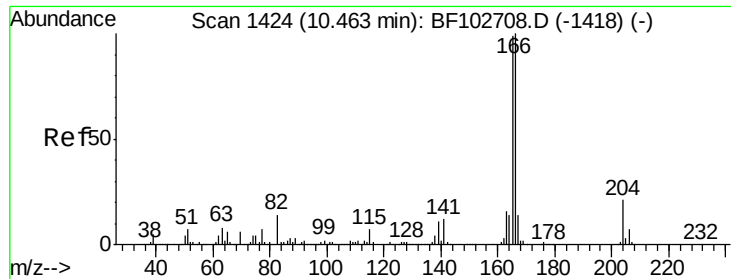
Sohil
2/13/2018 4:36:37 AM



#56
2,4-Dinitrotoluene
Concen: 35.629 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	204592		
63	58.9	36.4	54.6#	
89	80.1	57.8	86.6	
182	2.0	1.6	2.4	





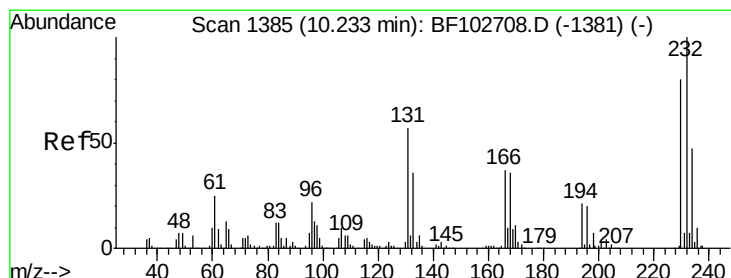
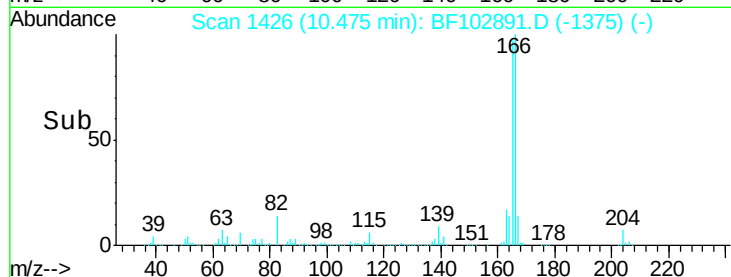
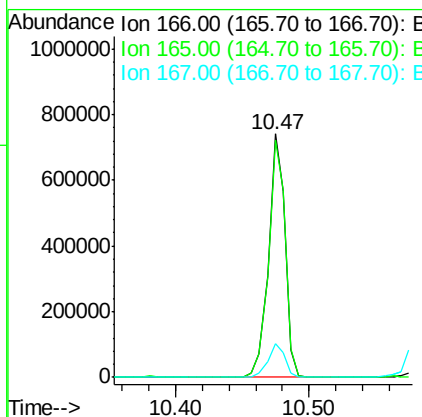
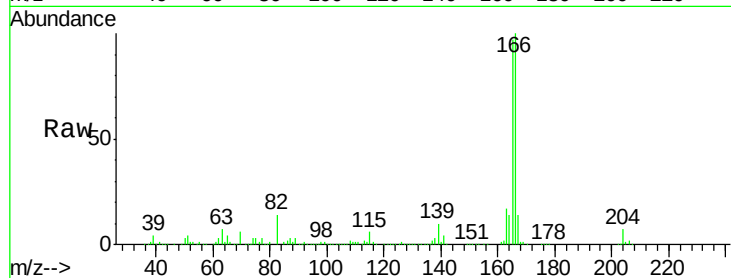
#57
 Fluorene
 Concen: 34.181 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.8	119.8
167	13.6	10.6	16.0

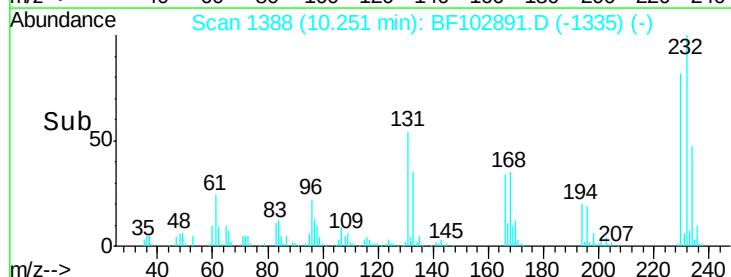
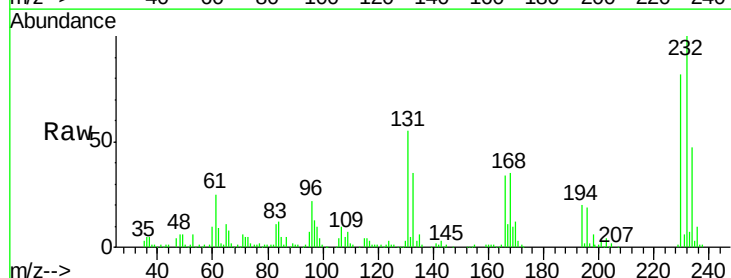
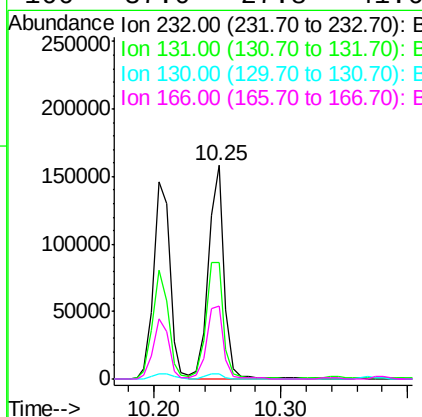
Manual Integrations
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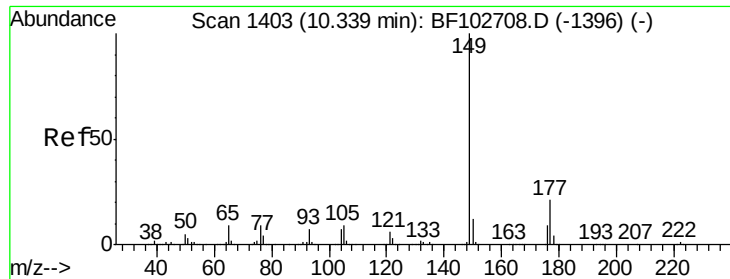
Sohil
 2/13/2018 4:36:37 AM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 33.379 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
232	100		
131	59.9	43.8	65.8
130	2.9	2.1	3.1
166	37.0	27.8	41.6





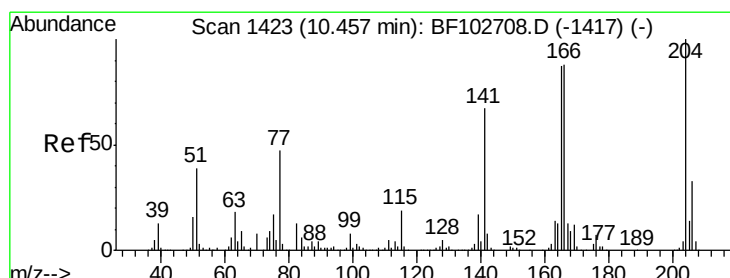
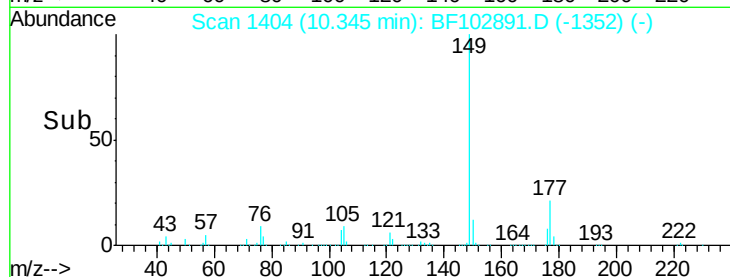
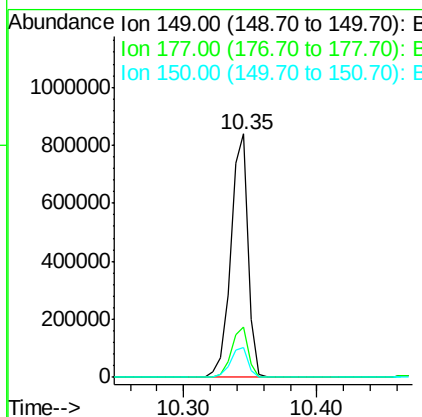
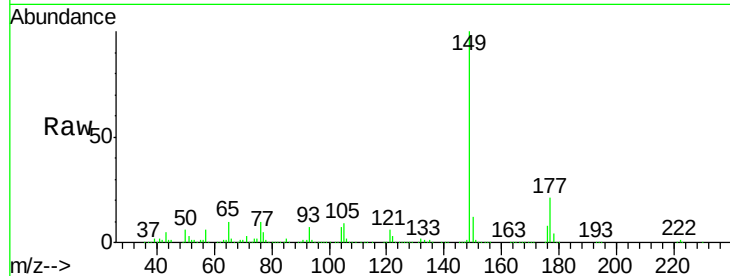
#59
Diethylphthalate
Concen: 33.636 ng
RT: 10.35 min Scan# 1404
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.6	16.1	24.1
150	12.3	10.1	15.1

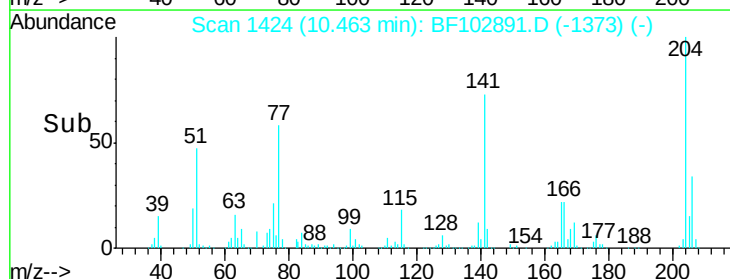
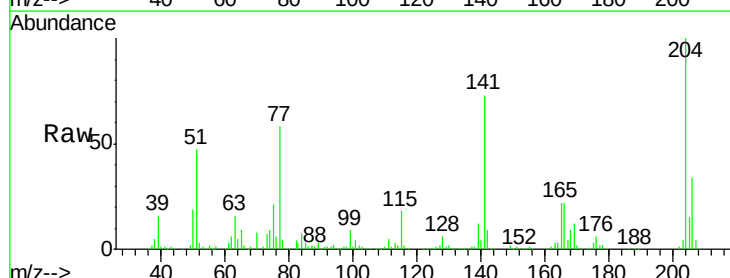
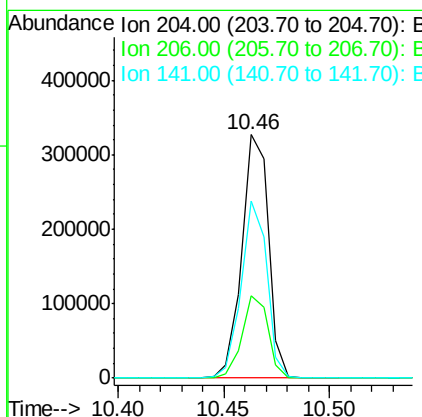
Manual Integrations
APPROVED

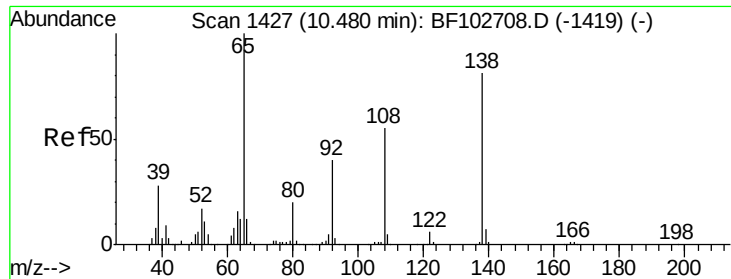
Sohil
2/13/2018 4:36:37 AM



#60
4-Chlorophenyl-phenylether
Concen: 34.454 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.5	39.7
141	72.8	54.6	81.8





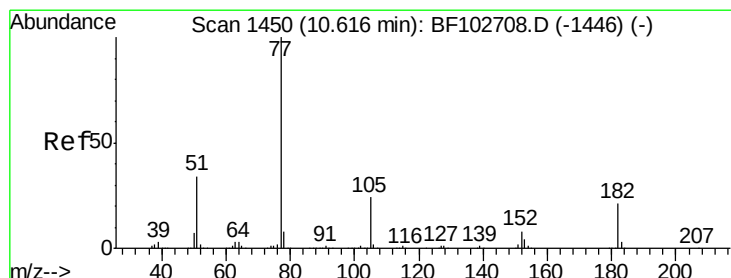
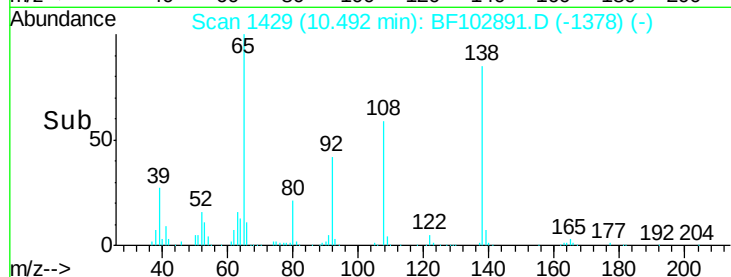
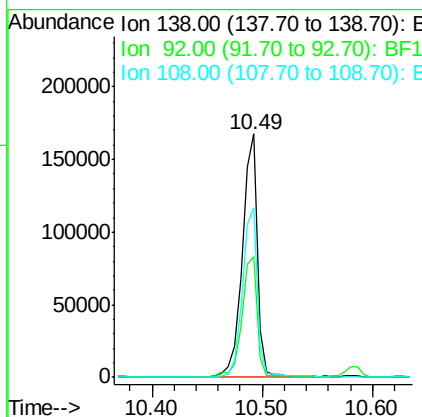
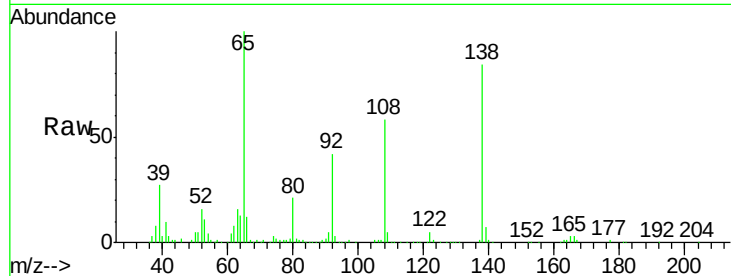
#61
4-Nitroaniline
Concen: 31.850 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.5	30.2	70.2
108	69.3	52.5	92.5

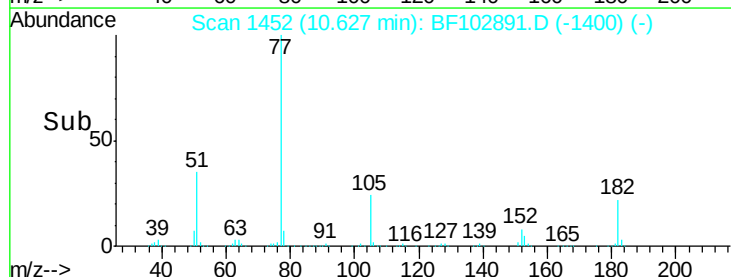
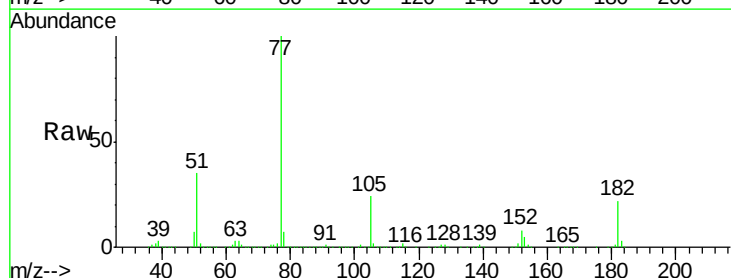
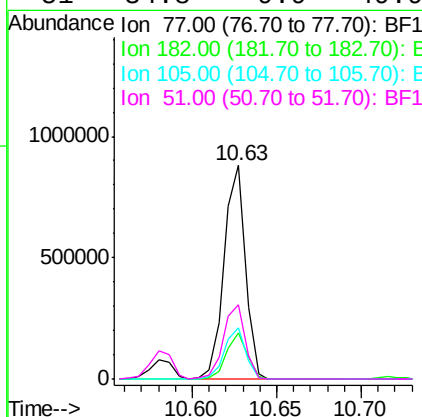
Manual Integrations
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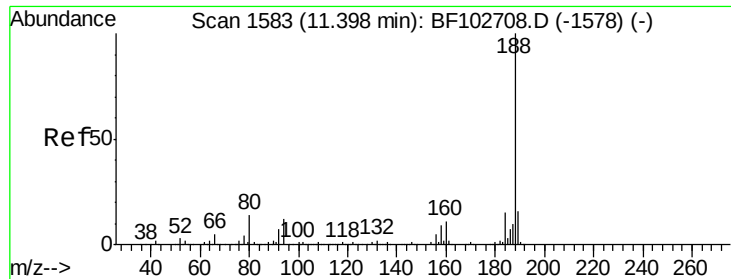
Sohil
2/13/2018 4:36:37 AM



#62
Azobenzene
Concen: 34.041 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.7	1.7	41.7
105	23.8	3.0	43.0
51	34.8	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

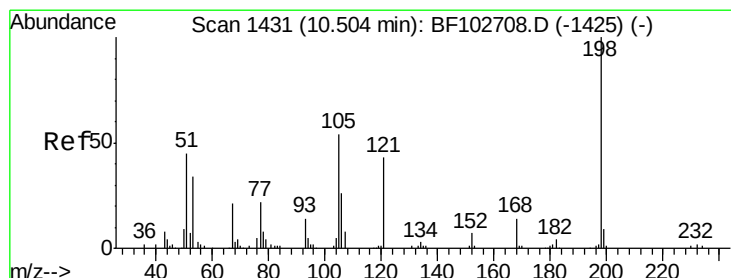
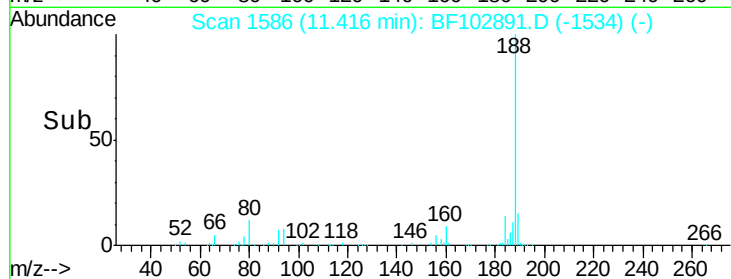
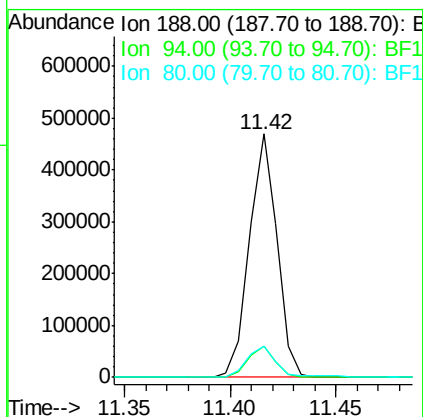
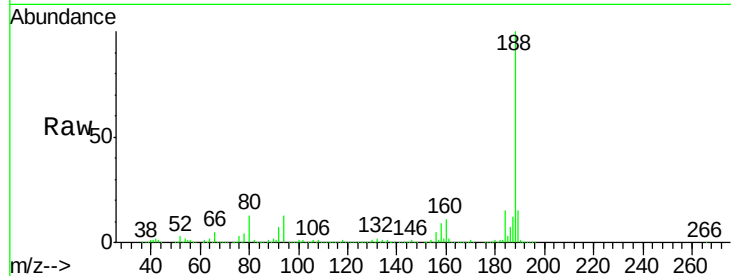
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	188	Resp:	428866
Ion Ratio	Lower	Upper	
188	100		
94	12.5	8.5	12.7
80	12.8	9.2	13.8

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#64

4,6-Dinitro-2-methylphenol

Concen: 14.828 ng

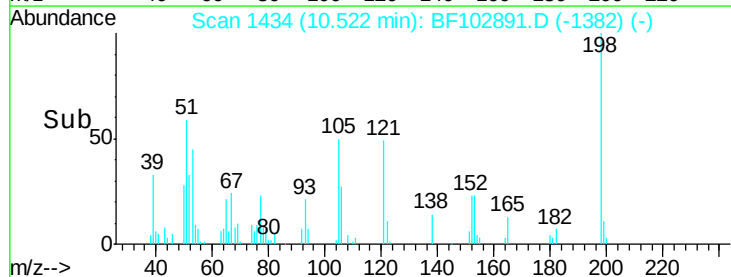
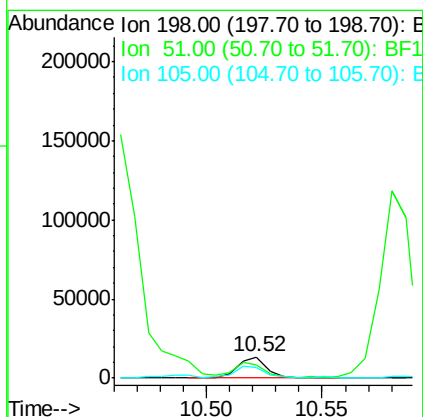
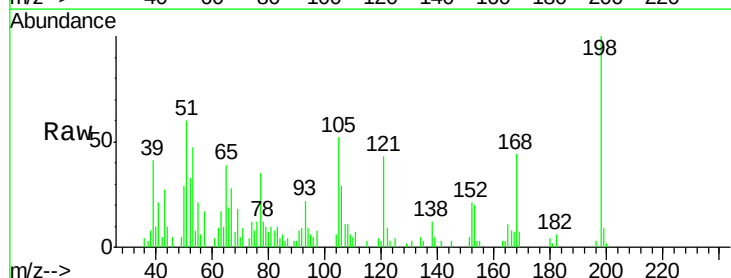
RT: 10.52 min Scan# 1434

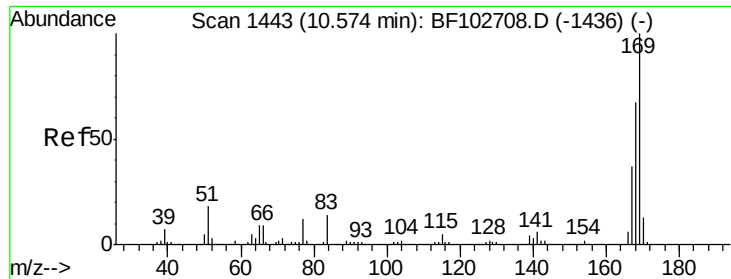
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	198	Resp:	11861
Ion Ratio	Lower	Upper	
198	100		
51	59.5	37.7	77.7
105	52.3	36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 37.253 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

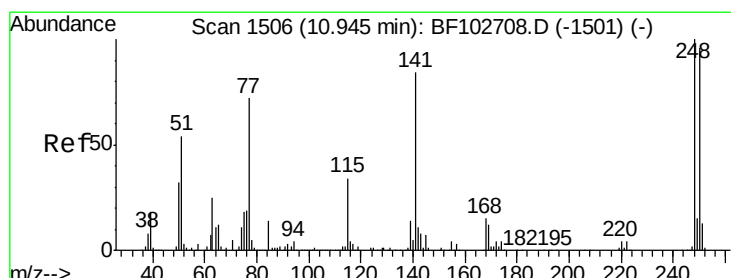
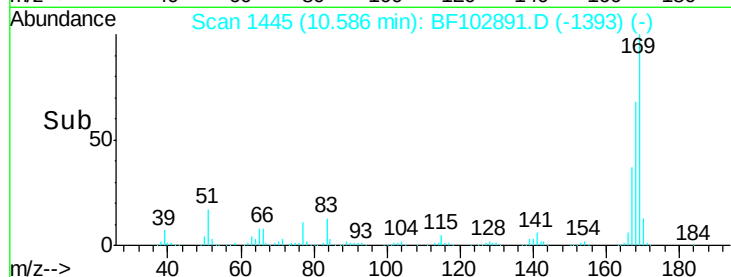
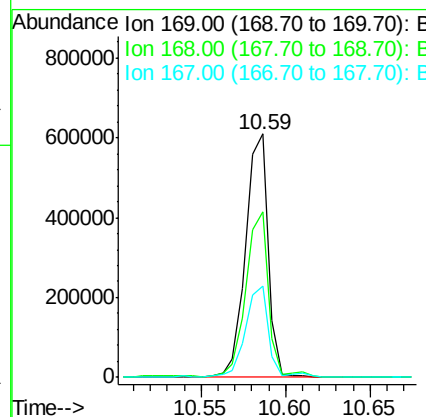
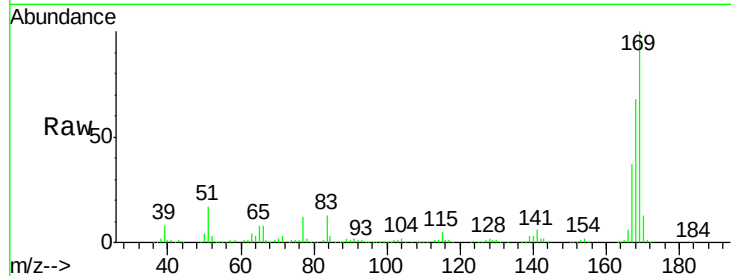
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	169	Resp:	563539
Ion Ratio	Lower	Upper	
169	100		
168	68.2	54.4	81.6
167	37.2	29.8	44.6

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#66

4-Bromophenyl-phenylether

Concen: 36.079 ng

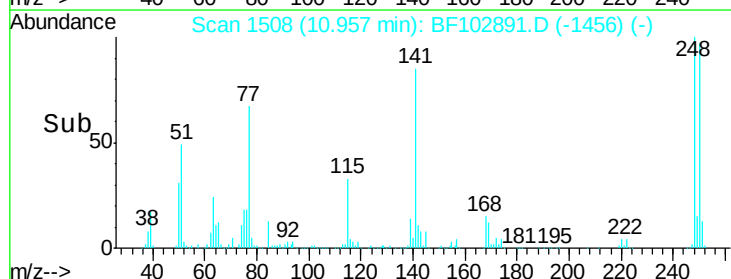
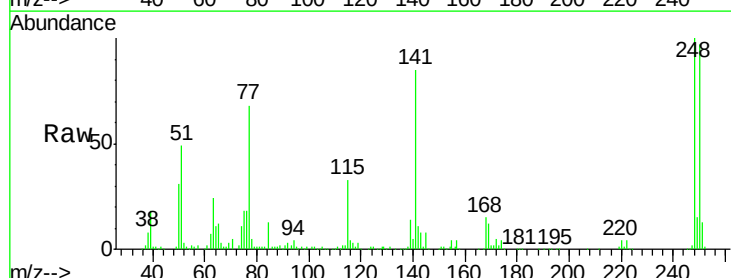
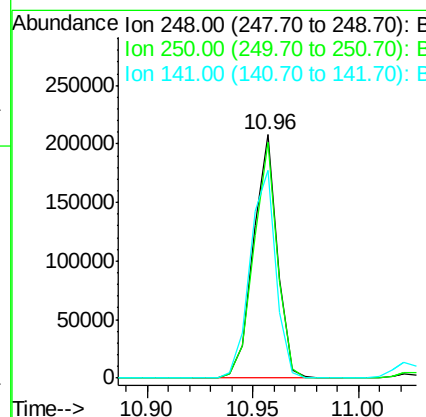
RT: 10.96 min Scan# 1508

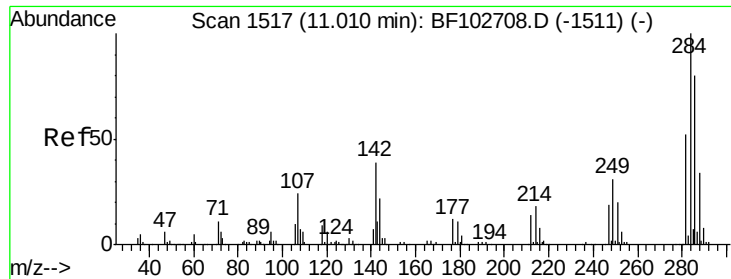
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	248	Resp:	163678
Ion Ratio	Lower	Upper	
248	100		
250	96.9	76.9	115.3
141	85.3	74.4	111.6





#67

Hexachlorobenzene

Concen: 32.912 ng

RT: 11.02 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

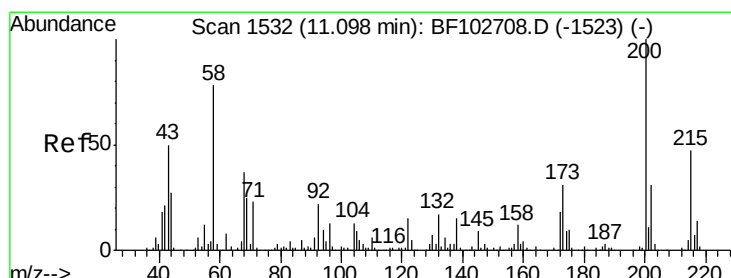
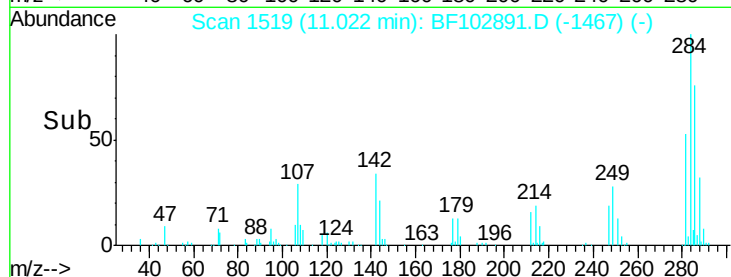
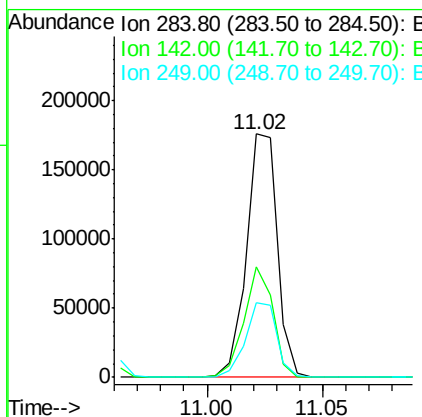
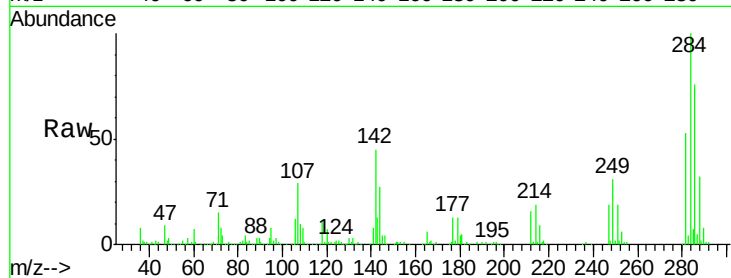
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	284	Resp:	164715
Ion Ratio		Lower	Upper
284	100		
142	45.3	34.6	52.0
249	30.8	24.8	37.2

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#68

Atrazine

Concen: 37.643 ng

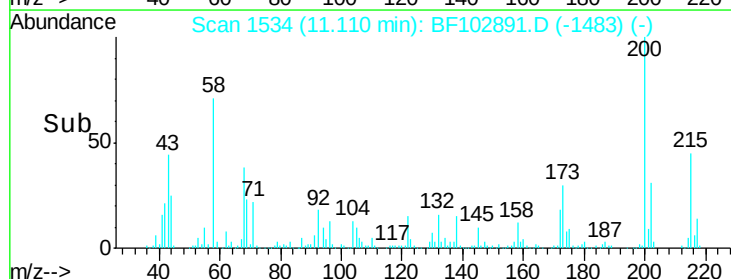
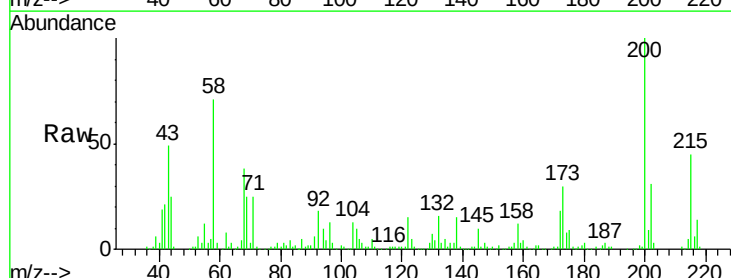
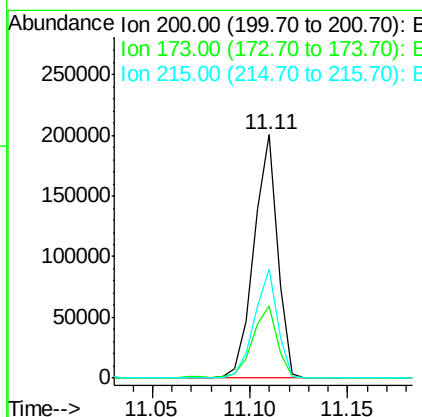
RT: 11.11 min Scan# 1534

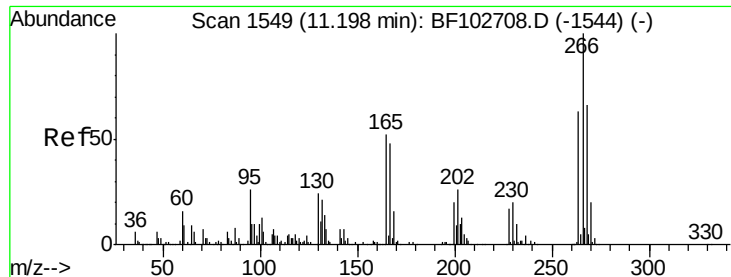
Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	200	Resp:	167990
Ion Ratio		Lower	Upper
200	100		
173	29.7	8.6	48.6
215	44.7	25.1	65.1





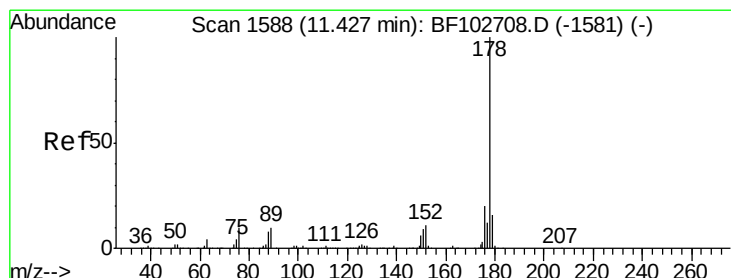
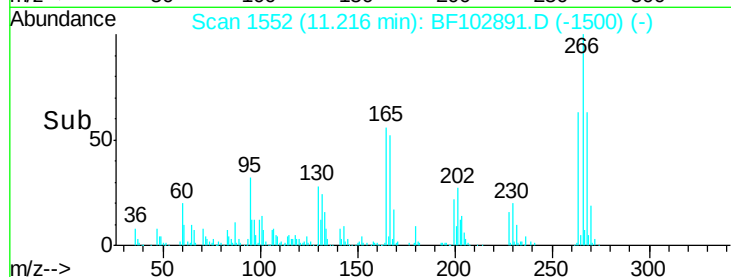
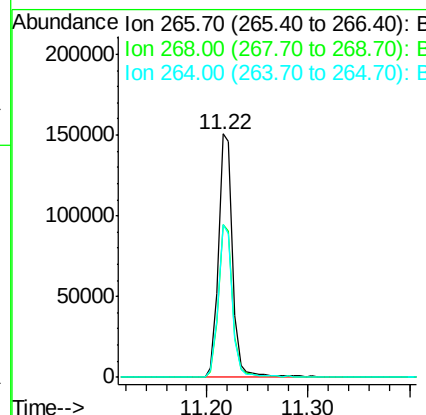
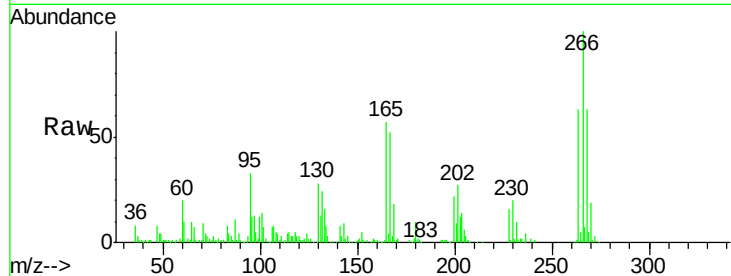
#69
 Pentachlorophenol
 Concen: 50.396 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.1	76.7
264	62.8	49.5	74.3

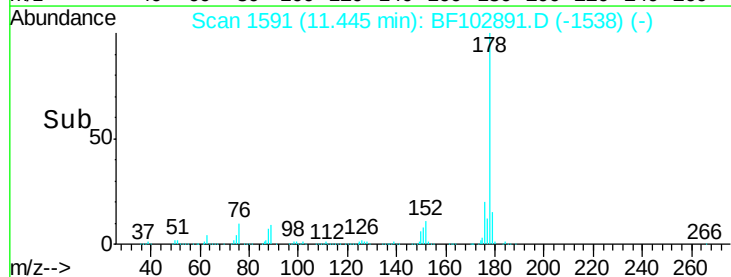
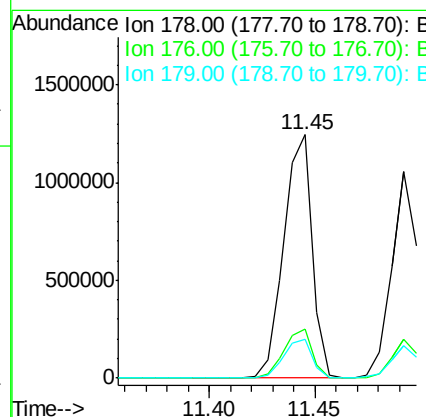
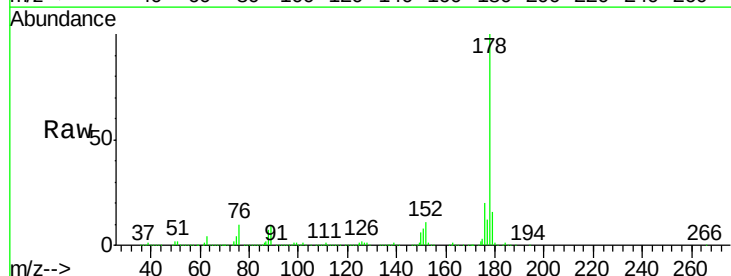
Manual Integrations
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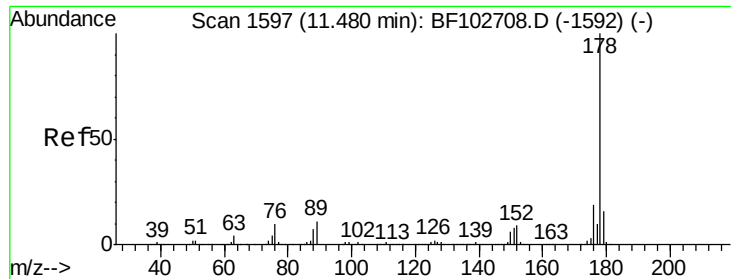
Sohil
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#70
 Phenanthrene
 Concen: 48.955 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.8	13.0	19.6





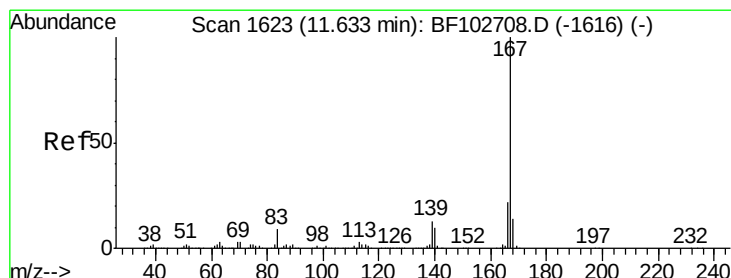
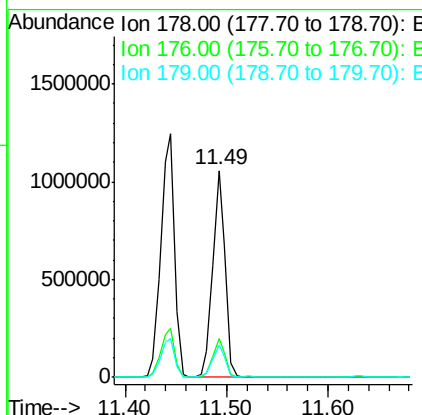
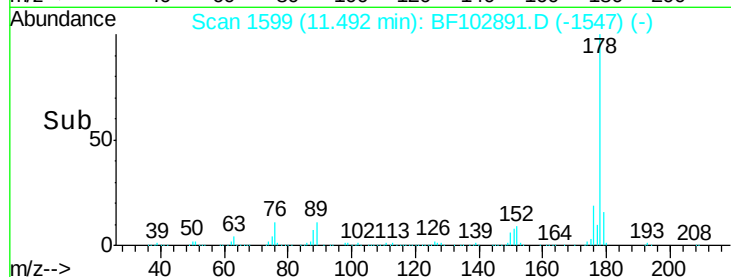
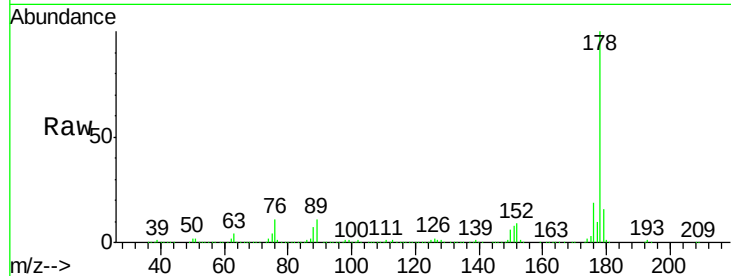
#71
 Anthracene
 Concen: 37.236 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.7	12.6	19.0

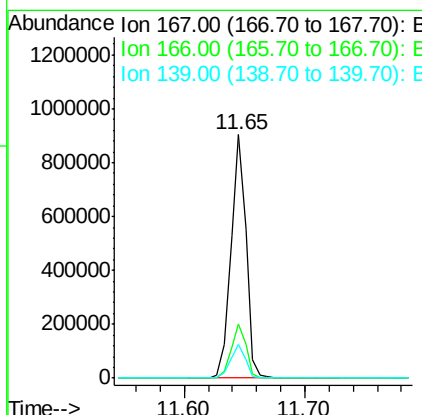
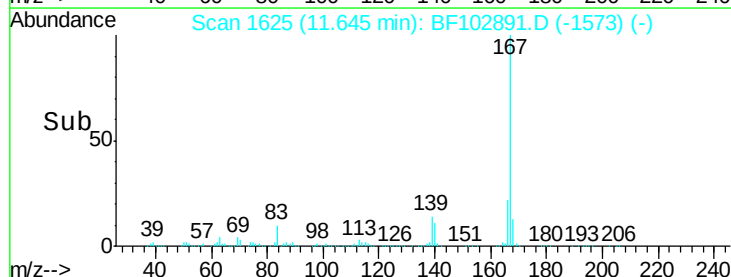
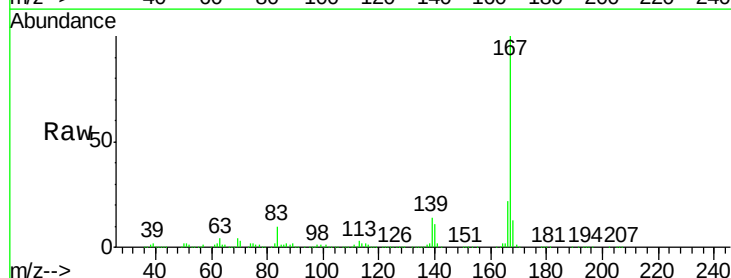
Manual Integrations
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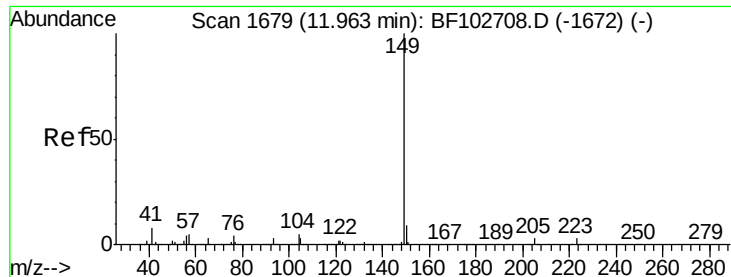
Sohil
 2/13/2018 4:36:37 AM



#72
 Carbazole
 Concen: 33.024 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	14.0	10.9	16.3





#73

Di-n-butylphthalate

Concen: 36.646 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

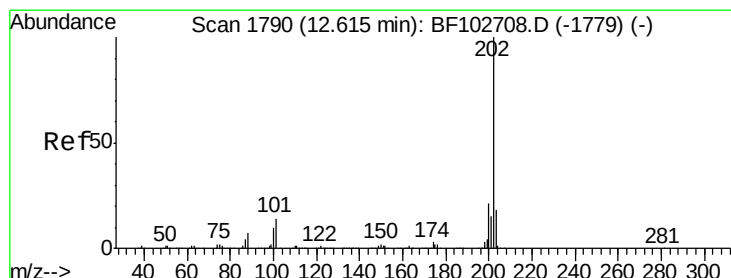
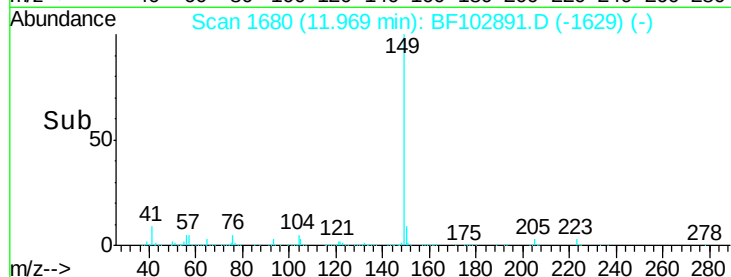
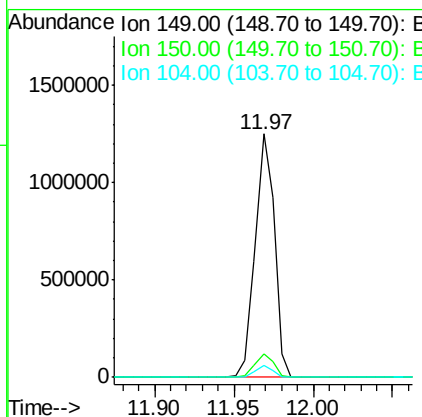
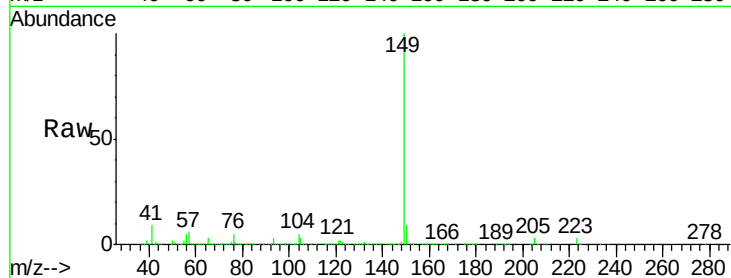
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	149	Resp:	1059451
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	4.9	3.8	5.8

Manual Integrations
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2/13/2018 4:36:37 AM



#74

Fluoranthene

Concen: 60.408 ng

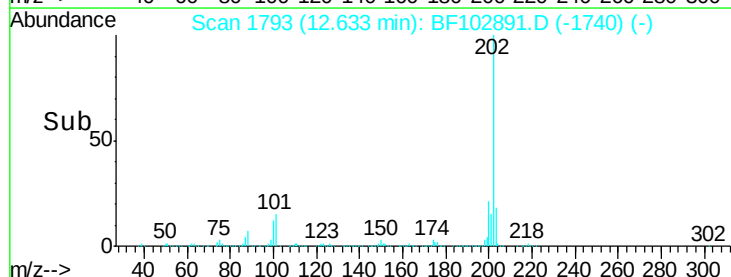
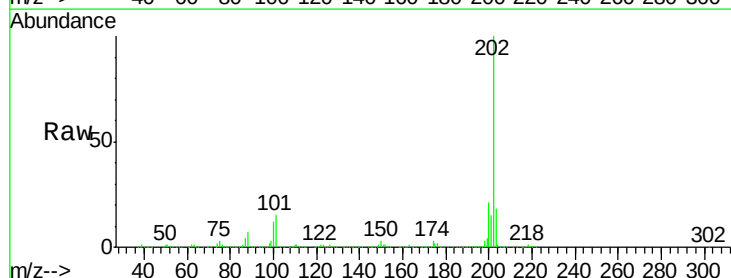
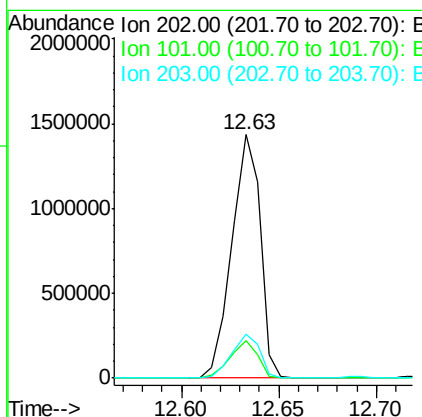
RT: 12.63 min Scan# 1793

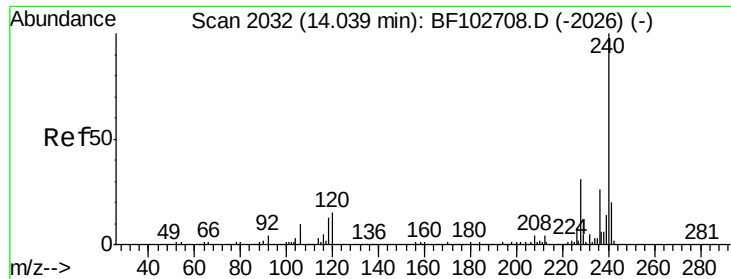
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	202	Resp:	1451665
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

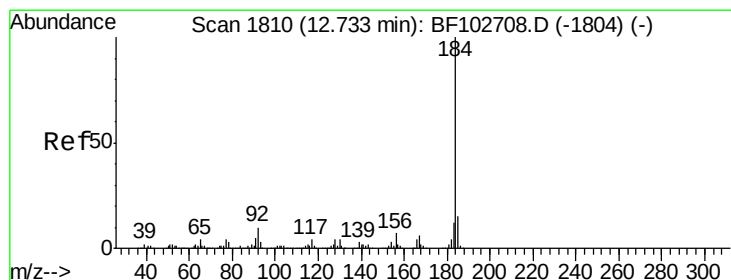
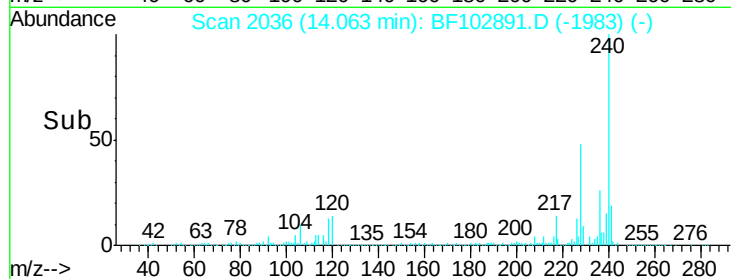
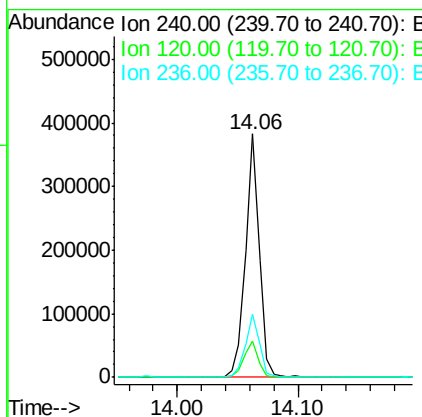
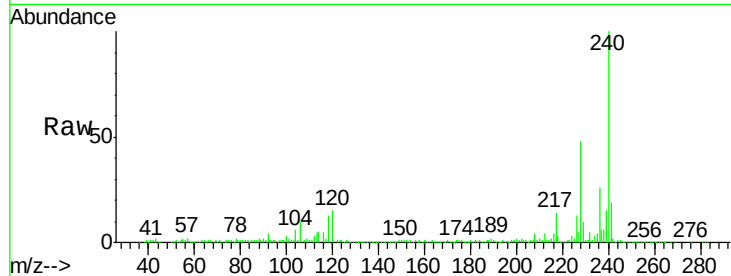
ClientSampleId :

B-21(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.7	9.5	14.3	
236	26.1	20.7	31.1	

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#76

Benzidine

Concen: 34.851 ng

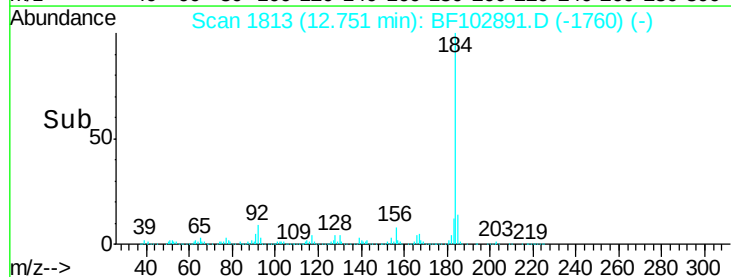
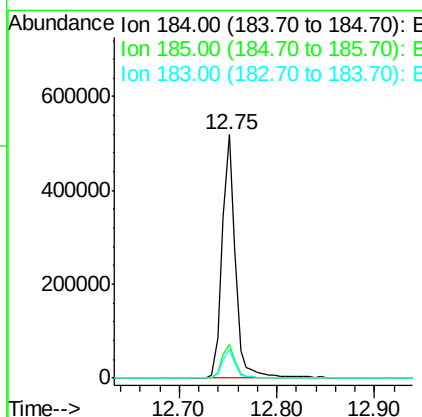
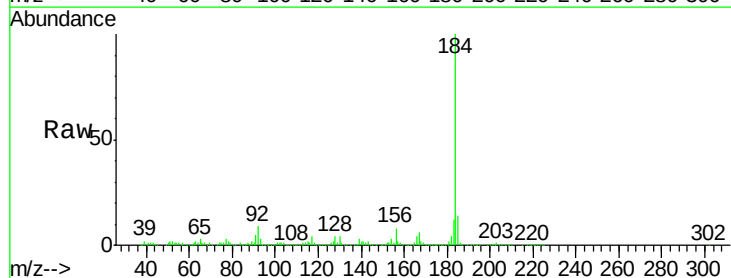
RT: 12.75 min Scan# 1813

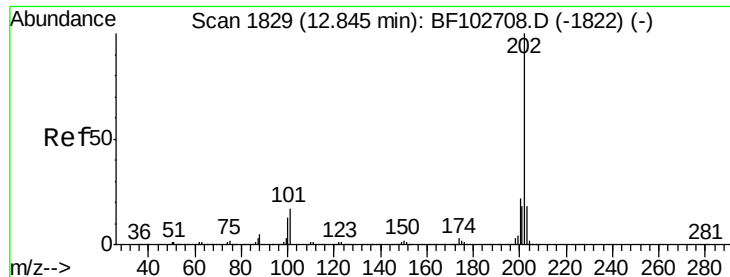
Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.0	12.6	18.8	
183	11.7	9.3	13.9	





#77

Pvrene

Concen: 57.160 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

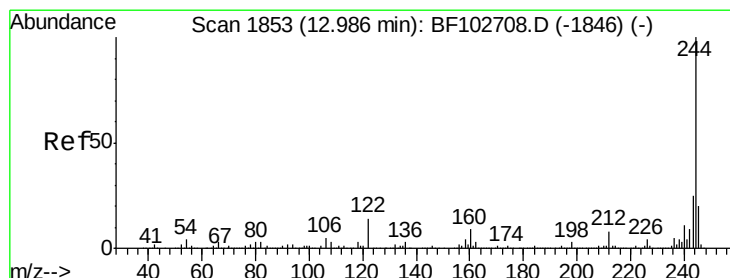
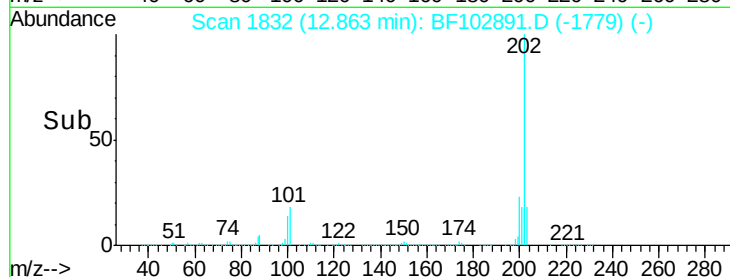
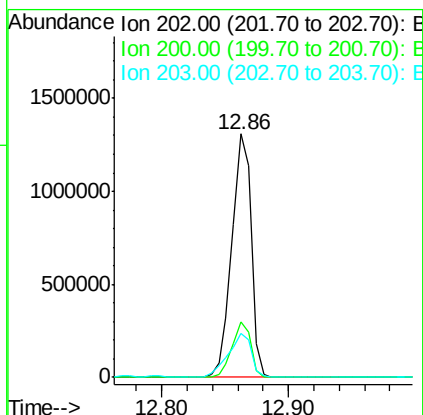
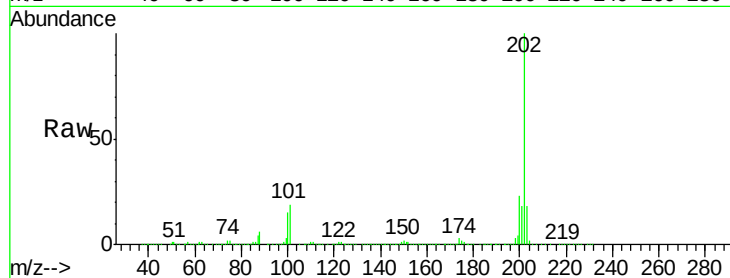
ClientSampleId :

B-21(2-4)MSD

Tot Ion:	202	Resp:	1375022
Ion Ratio	Lower	Upper	
202	100		
200	22.6	17.4	26.2
203	18.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 72.280 ng

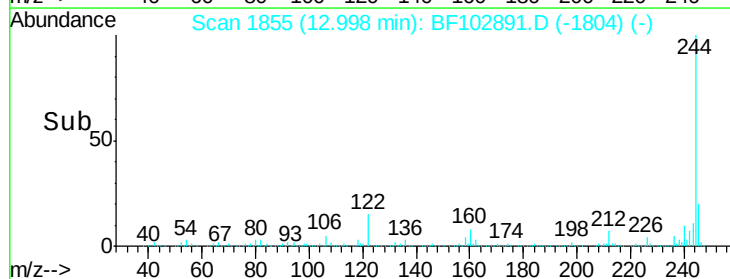
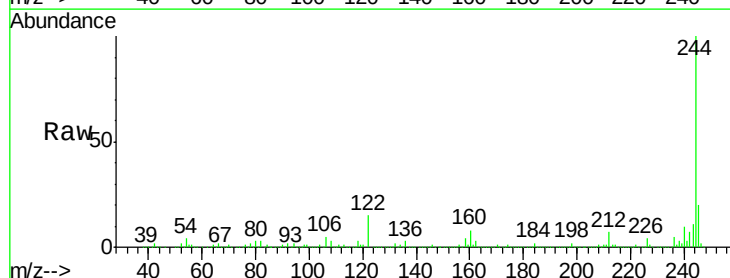
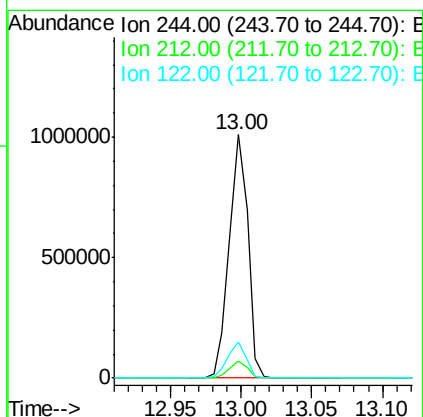
RT: 13.00 min Scan# 1855

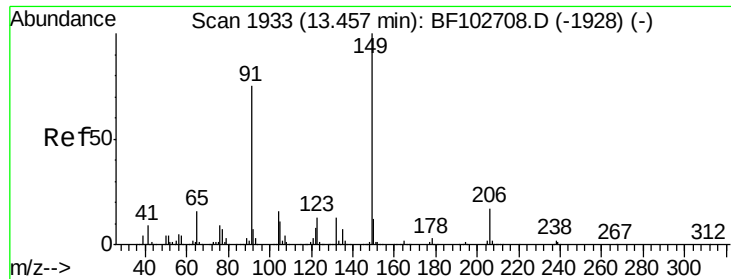
Delta R.T. -0.00 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	244	Resp:	936464
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	14.7	11.0	16.4





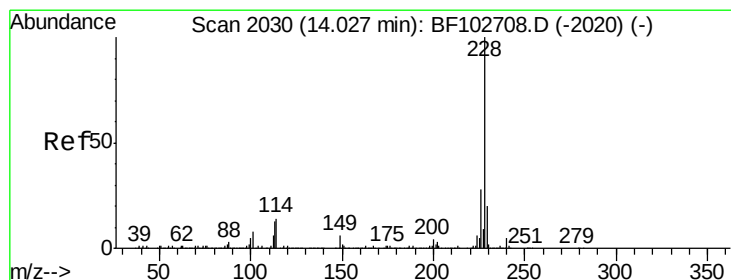
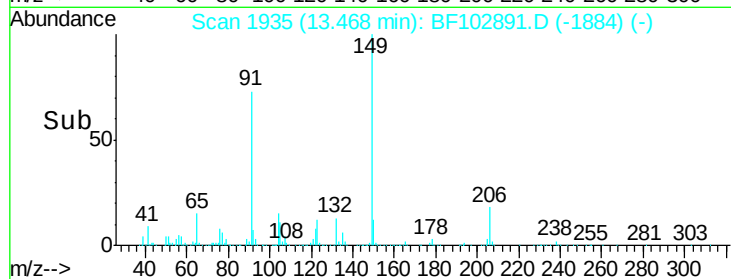
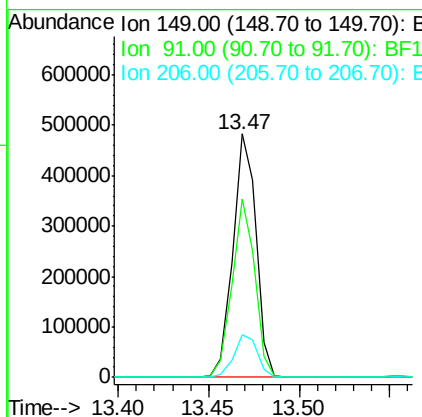
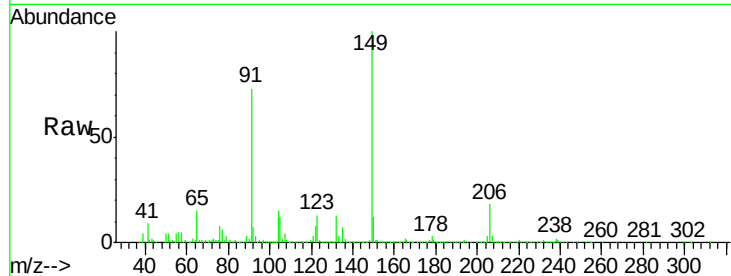
#79
Butylbenzylphthalate
Concen: 37.398 ng
RT: 13.47 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	73.4	56.8	85.2
206	17.6	14.1	21.1

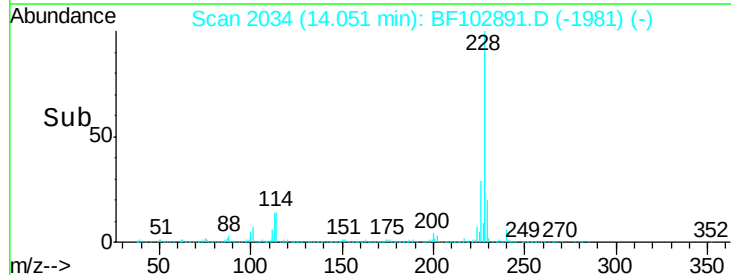
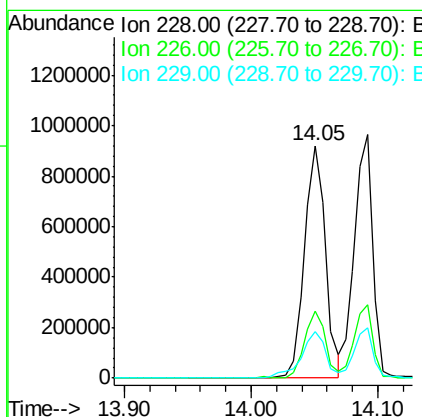
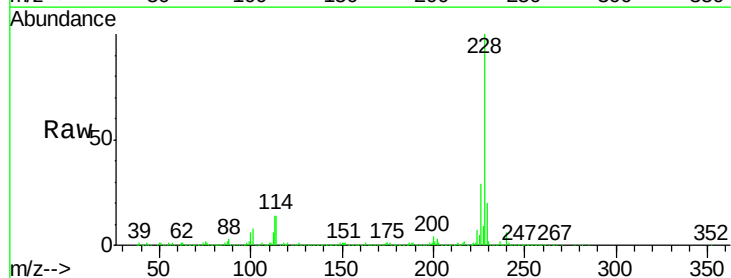
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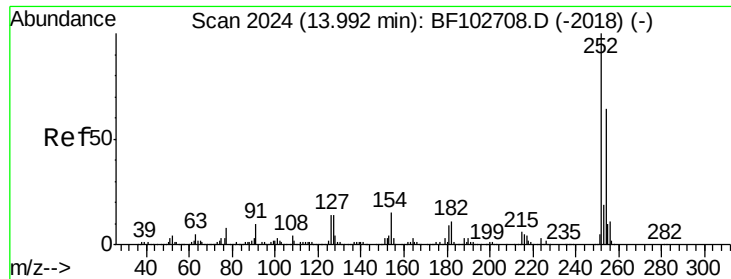
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#80
Benzo(a)anthracene
Concen: 54.879 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.2	15.8	23.6





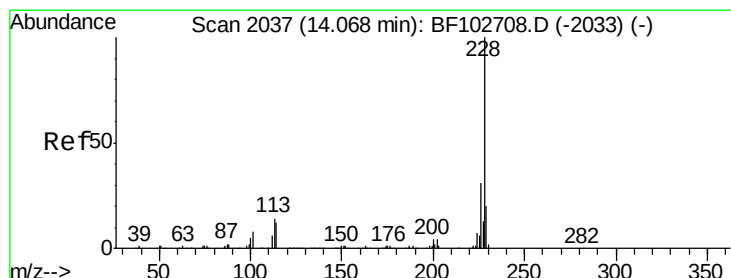
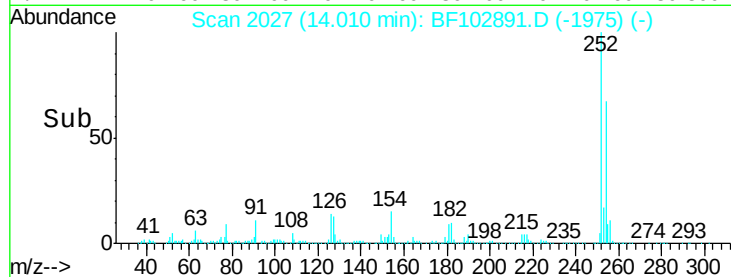
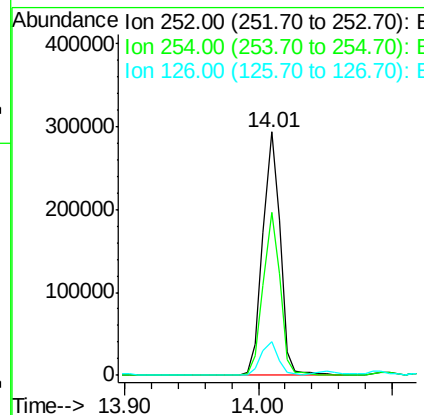
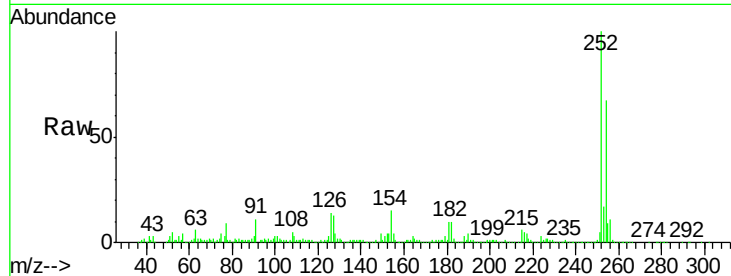
#81
 3,3'-Dichlorobenzidine
 Concen: 36.599 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	261803		
254	66.7	50.4	75.6	
126	14.1	11.3	16.9	

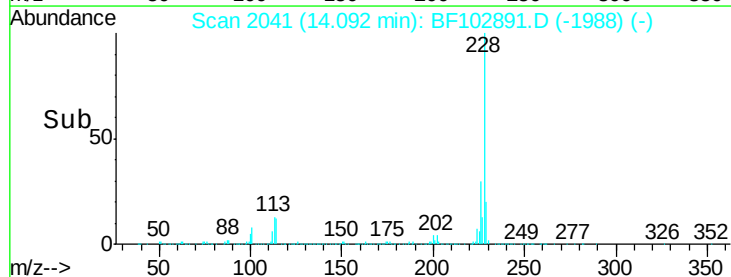
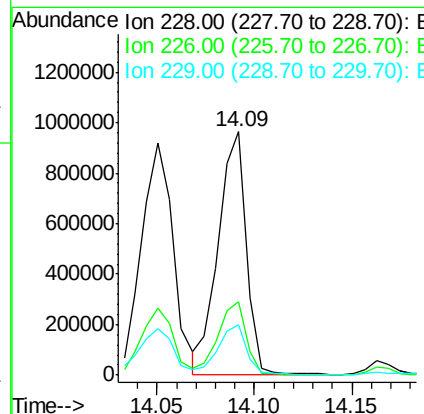
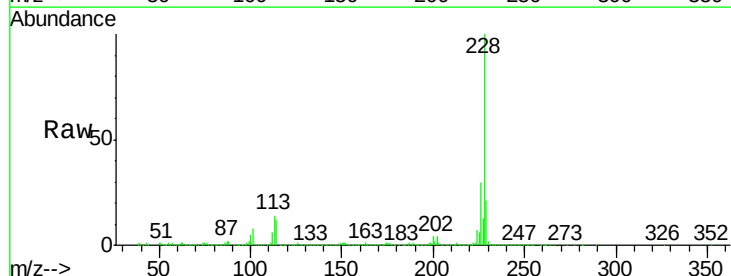
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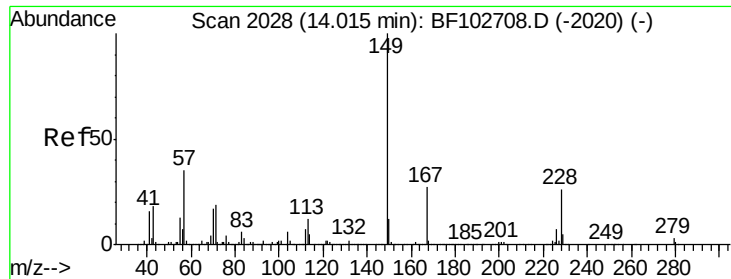
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#82
 Chrysene
 Concen: 49.509 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.01 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	962868		
226	30.4	25.0	37.6	
229	20.5	16.2	24.4	





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.372 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Instrument :

BNA_F

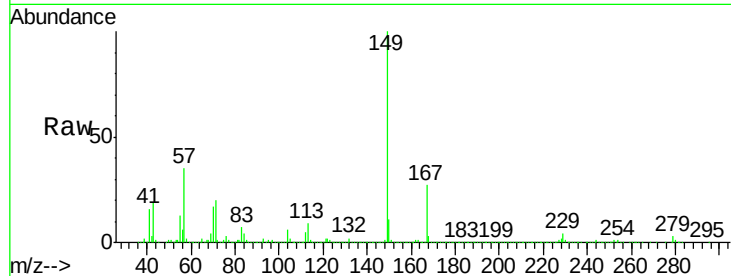
ClientSampleId :

B-21(2-4)MSD

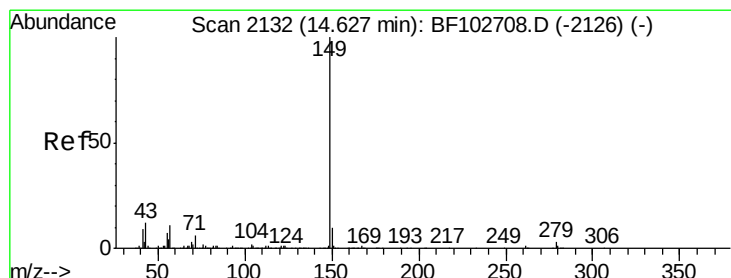
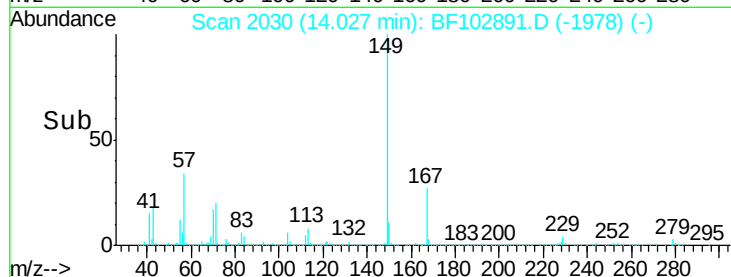
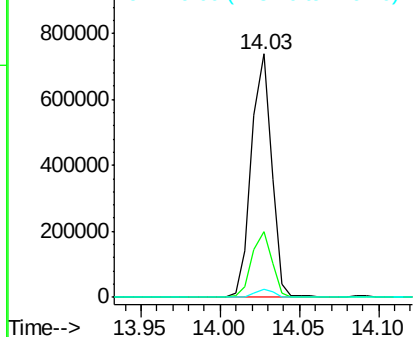
Tot Ion:	149	Resp:	653874
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.3	31.9
279	3.3	3.0	4.4

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



#84

Di-n-octyl phthalate

Concen: 47.471 ng

RT: 14.64 min Scan# 2134

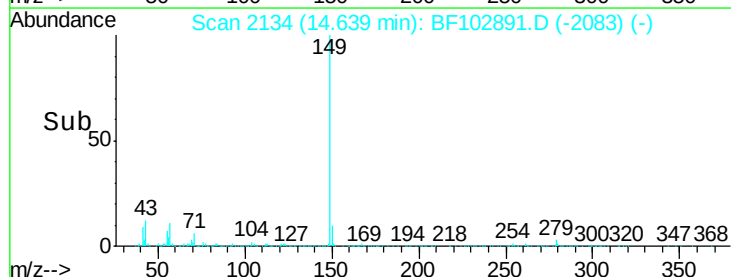
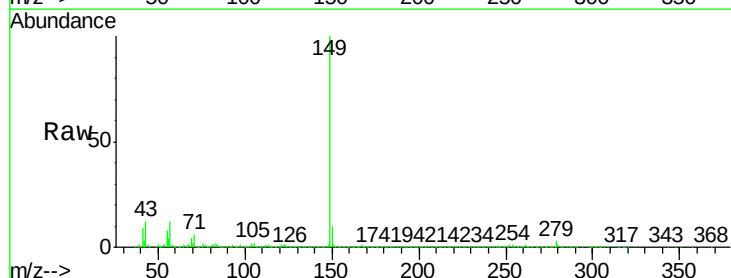
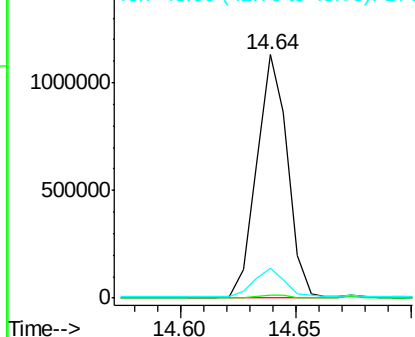
Delta R.T. -0.00 min

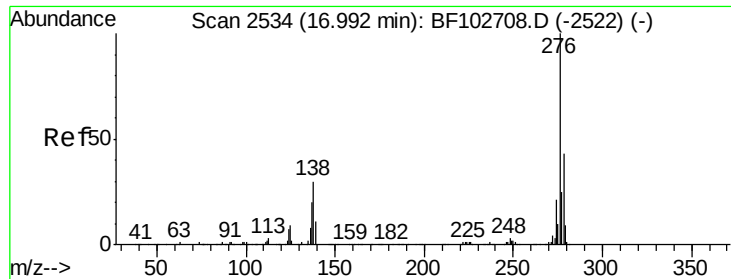
Lab File: BF102891.D

Acq: 9 Feb 2018 16:21

Tgt Ion:	149	Resp:	1050373
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	11.6	8.4	12.6

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1





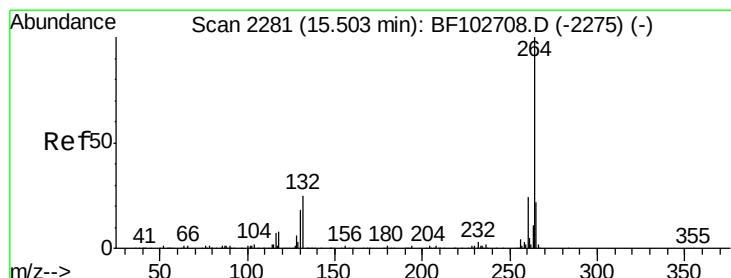
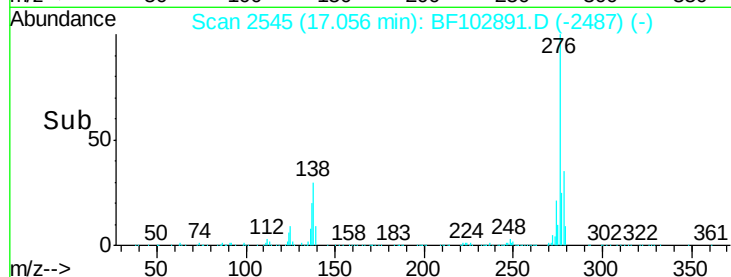
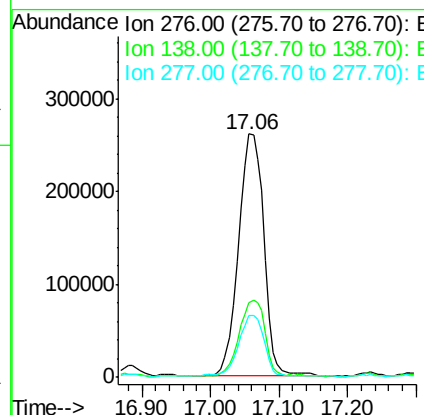
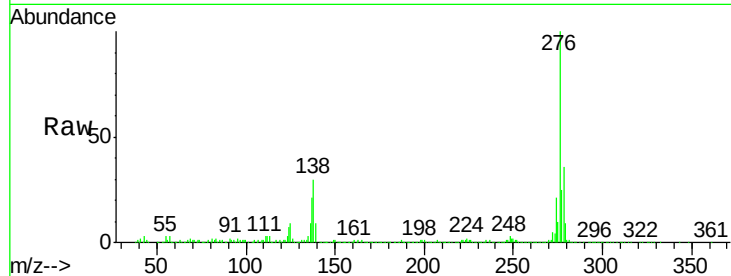
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.684 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.04 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.5	25.0	37.6
277	25.0	20.1	30.1

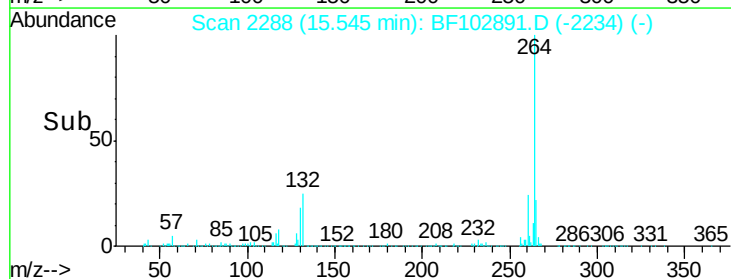
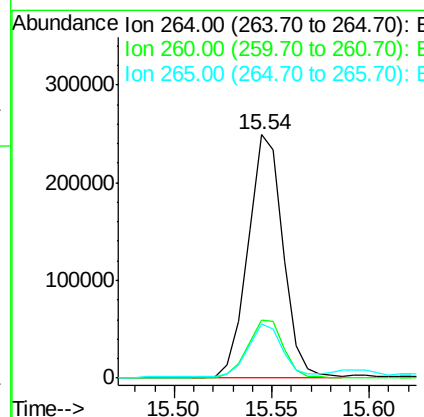
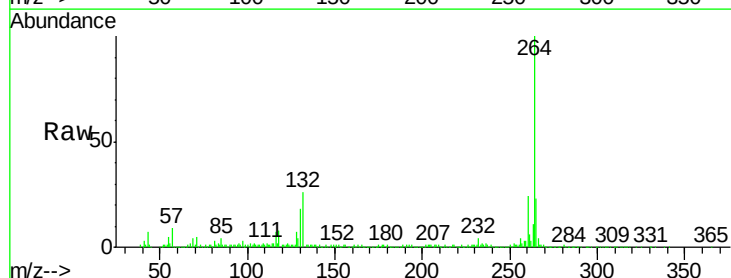
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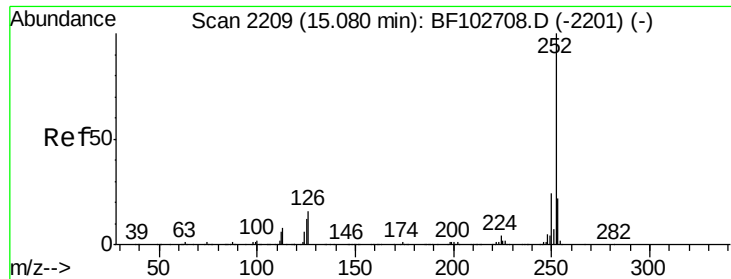
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.02 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.5	17.5	26.3





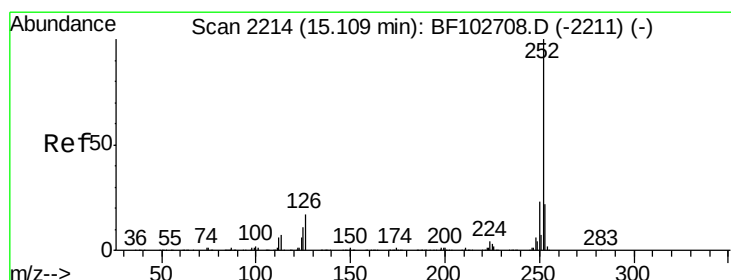
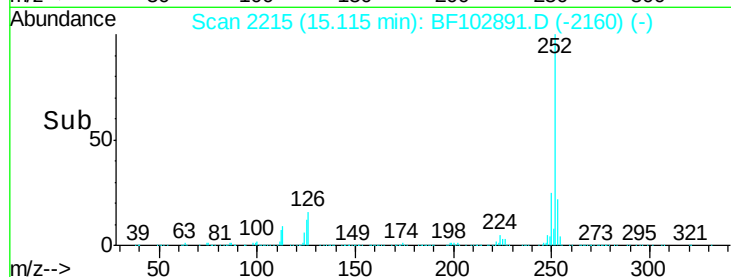
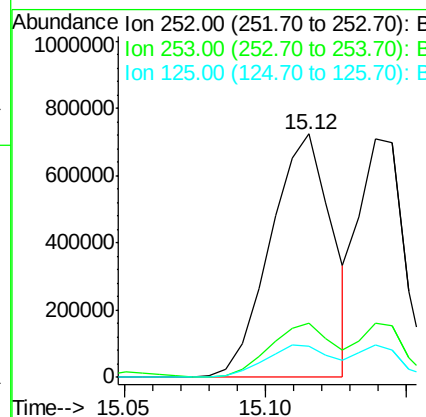
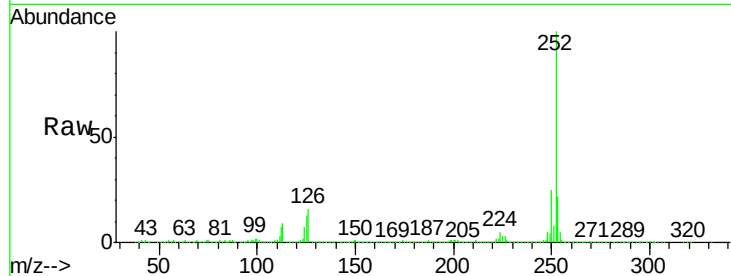
#87
Benzo(b)fluoranthene
Concen: 54.743 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.02 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	12.8	9.0	13.6

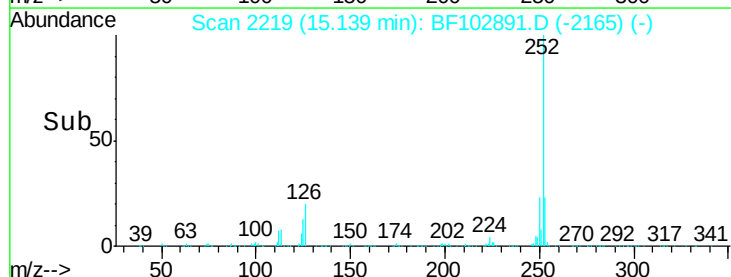
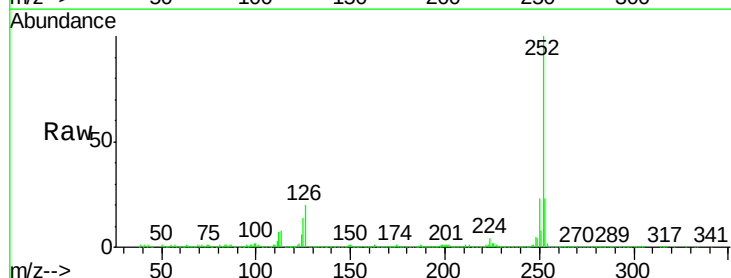
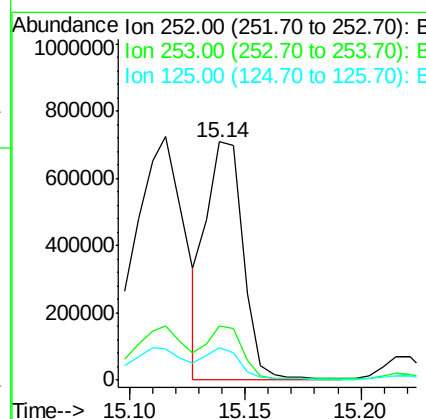
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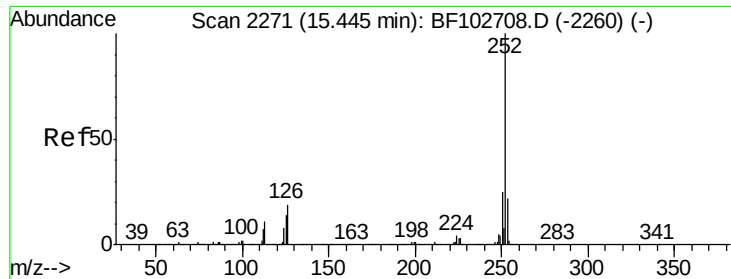
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#88
Benzo(k)fluoranthene
Concen: 41.061 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.02 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	13.9	10.2	15.2





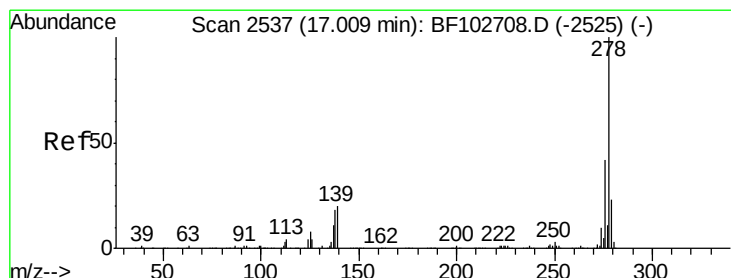
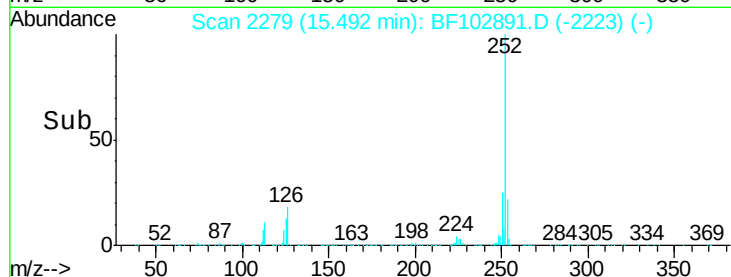
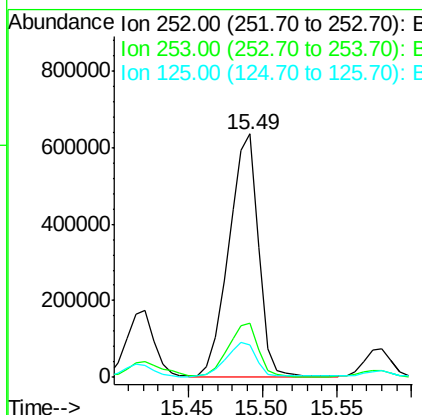
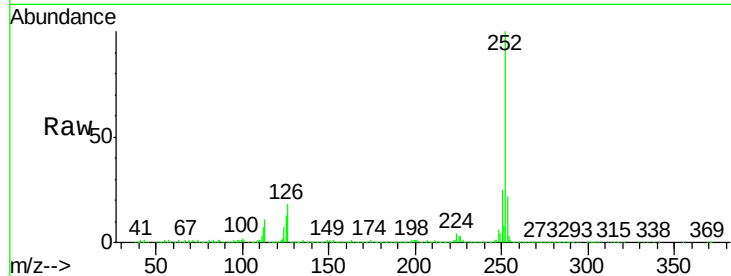
#89
Benzo(a)pyrene
Concen: 48.968 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.03 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Instrument :
BNA_F
ClientSampleId :
B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	13.3	9.8	14.6

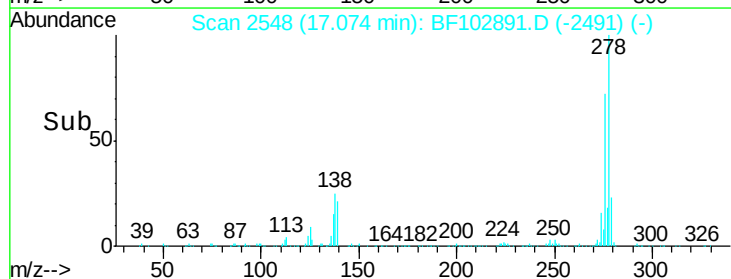
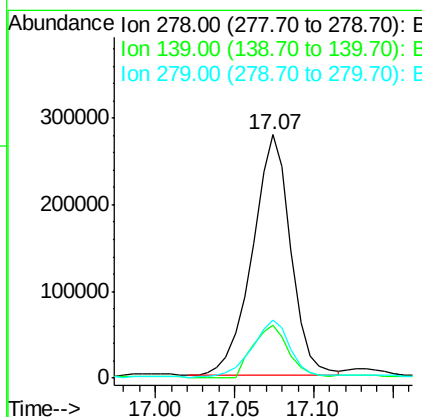
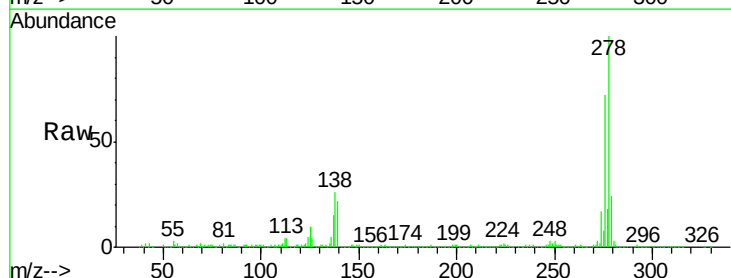
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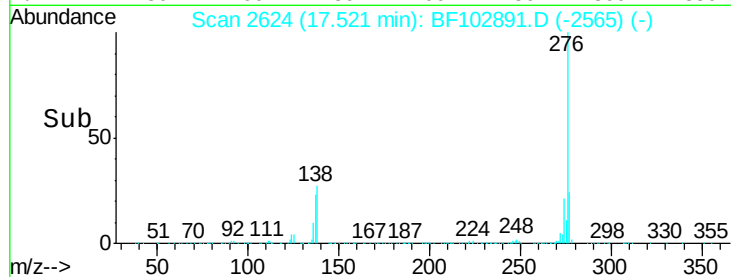
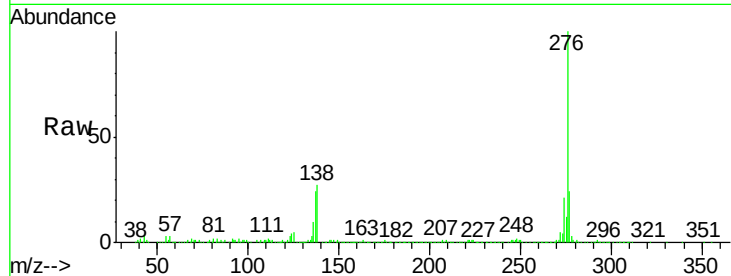
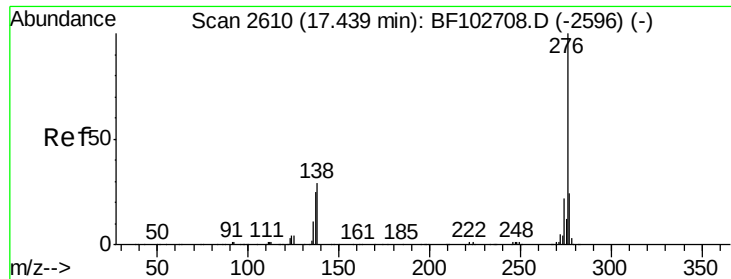
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#90
Dibenzo(a,h)anthracene
Concen: 32.256 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.04 min
Lab File: BF102891.D
Acq: 9 Feb 2018 16:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	15.9	23.9
279	24.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 37.873 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. 0.05 min
 Lab File: BF102891.D
 Acq: 9 Feb 2018 16:21

Instrument :
 BNA_F
 ClientSampleId :
 B-21(2-4)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	26.9	21.8	32.8

Manual Integrations
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