

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103880.D
 Acq On : 23 Mar 2018 15:13
 Operator : JU/SJ
 Sample : J1998-05MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Manual Integrations
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Sohil
 3/26/2018 4:33:00 PM

Quant Time: Mar 26 12:31:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	148196	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	607416	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	276909	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	449629	20.00	ng	0.00
75) Chrysene-d12	14.17	240	282307	20.00	ng	0.00
86) Perylene-d12	15.71	264	287563	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1143417	117.35	ng	0.02
7) Phenol-d6	6.60	99	1437931	120.63	ng	0.00
23) Nitrobenzene-d5	7.54	82	880994	101.14	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	347773	146.07	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1480239	85.27	ng	0.00
78) Terphenyl-d14	13.10	244	1178976	96.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	159333	33.211	ng	# 89
3) Pyridine	3.66	79	445226	33.739	ng	# 87
4) n-Nitrosodimethylamine	3.62	42	183081	37.628	ng	79
6) Aniline	6.64	93	313545	18.421	ng	97
8) 2-Chlorophenol	6.76	128	449406	44.030	ng	96
9) Benzaldehyde	6.53	77	130353	16.645	ng	96
10) Phenol	6.62	94	567305	44.787	ng	93
11) bis(2-Chloroethyl)ether	6.71	93	432861	41.396	ng	94
12) 1,3-Dichlorobenzene	6.92	146	466693	40.146	ng	99
13) 1,4-Dichlorobenzene	6.99	146	470001	40.235	ng	100
14) 1,2-Dichlorobenzene	7.15	146	440747	40.660	ng	99
15) Benzyl Alcohol	7.12	79	386440	41.841	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.25	45	559775	37.638	ng	93
17) 2-Methylphenol	7.22	107	380129	41.822	ng	99
18) Hexachloroethane	7.49	117	164675	40.077	ng	96
19) n-Nitroso-di-n-propylamine	7.39	70	294870	38.599	ng	93
20) 3+4-Methylphenols	7.37	107	469469	40.699	ng	# 86
22) Acetophenone	7.39	105	592562	37.958	ng	# 93
24) Nitrobenzene	7.56	77	465503	45.522	ng	93
25) Isophorone	7.79	82	849707	42.141	ng	99
26) 2-Nitrophenol	7.87	139	250276	61.115	ng	90
27) 2,4-Dimethylphenol	7.90	122	413887	47.914	ng	99
28) bis(2-Chloroethoxy)methane	8.00	93	559721	45.842	ng	99
29) 2,4-Dichlorophenol	8.12	162	376550	47.914	ng	97
30) 1,2,4-Trichlorobenzene	8.20	180	383011	42.020	ng	99
31) Naphthalene	8.28	128	1259019	41.032	ng	99
32) Benzoic acid	7.96	122	34476m	14.394	ng	
33) 4-Chloroaniline	8.32	127	120403	9.353	ng	98
34) Hexachlorobutadiene	8.39	225	206258	41.272	ng	98
35) Caprolactam	8.70	113	127420m	47.086	ng	
36) 4-Chloro-3-methylphenol	8.81	107	411194	47.461	ng	96
37) 2-Methylnaphthalene	8.97	142	836979	43.014	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	354516	44.876	ng	99
40) Hexachlorocyclopentadiene	9.12	237	154959	38.014	ng	98

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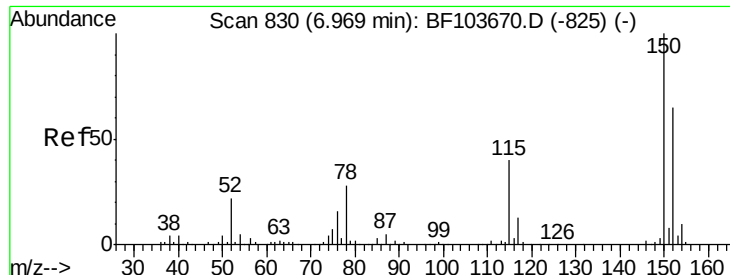
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	257901	51.039	ng	99
43) 2,4,5-Trichlorophenol	9.29	196	273401	47.938	ng	97
45) 1,1'-Biphenyl	9.43	154	962409	41.680	ng	99
46) 2-Chloronaphthalene	9.46	162	774534	42.233	ng	99
47) 2-Nitroaniline	9.56	65	245339	50.692	ng	99
48) Acenaphthylene	9.88	152	1162371	40.873	ng	99
49) Dimethylphthalate	9.73	163	1054904	49.932	ng	99
50) 2,6-Dinitrotoluene	9.80	165	213229	51.828	ng	96
51) Acenaphthene	10.06	154	716055	42.405	ng	99
52) 3-Nitroaniline	9.97	138	149667	31.943	ng	99
53) 2,4-Dinitrophenol	10.07	184	70117	64.959	ng	# 22
54) Dibenzofuran	10.23	168	1030940	42.747	ng	99
55) 4-Nitrophenol	10.13	139	353245	90.623	ng	90
56) 2,4-Dinitrotoluene	10.21	165	276312	52.672	ng	# 85
57) Fluorene	10.57	166	803325	42.926	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.34	232	208343	51.555	ng	94
59) Diethylphthalate	10.43	149	893282	42.601	ng	98
60) 4-Chlorophenyl-phenylether	10.56	204	376487	44.020	ng	96
61) 4-Nitroaniline	10.59	138	187392	40.396	ng	91
62) Azobenzene	10.72	77	833354	39.091	ng	95
64) 4,6-Dinitro-2-methylphenol	10.62	198	68809	43.675	ng	78
65) n-Nitrosodiphenylamine	10.68	169	725026	47.373	ng	99
66) 4-Bromophenyl-phenylether	11.05	248	225850	48.922	ng	# 89
67) Hexachlorobenzene	11.12	284	239452	45.445	ng	# 88
68) Atrazine	11.20	200	228438	48.251	ng	98
69) Pentachlorophenol	11.32	266	240209	79.297	ng	97
70) Phenanthrene	11.54	178	1056783	42.966	ng	98
71) Anthracene	11.59	178	1078240	43.163	ng	100
72) Carbazole	11.75	167	996838	41.055	ng	99
73) Di-n-butylphthalate	12.06	149	1304528	44.778	ng	99
74) Fluoranthene	12.73	202	946610	37.357	ng	97
76) Benzidine	12.85	184	535753	44.496	ng	98
77) Pyrene	12.96	202	928784	44.799	ng	100
79) Butylbenzylphthalate	13.57	149	469666	51.131	ng	95
80) Benzo(a)anthracene	14.16	228	794714	44.472	ng	99
81) 3,3'-Dichlorobenzidine	14.11	252	273918	45.826	ng	99
82) Chrysene	14.19	228	755253	44.336	ng	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	641092	48.855	ng	99
84) Di-n-octyl phthalate	14.75	149	1048634	54.929	ng	95
85) Indeno(1,2,3-cd)pyrene	17.30	276	720630	48.442	ng	99
87) Benzo(b)fluoranthene	15.25	252	814297	44.822	ng	97
88) Benzo(k)fluoranthene	15.29	252	713127	40.834	ng	99
89) Benzo(a)pyrene	15.64	252	743306	45.109	ng	97
90) Dibenzo(a,h)anthracene	17.32	278	613957	43.029	ng	99
91) Benzo(g,h,i)perylene	17.78	276	570310	41.086	ng	97

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



#1

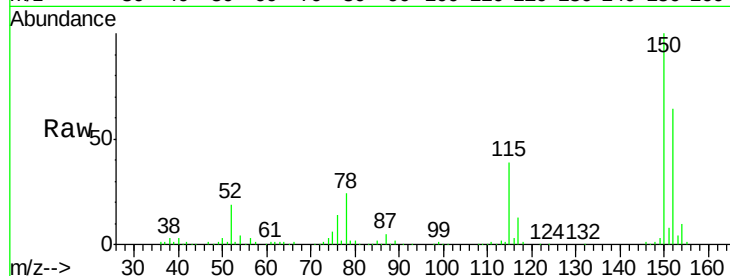
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
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SB-109(15-16)MSD

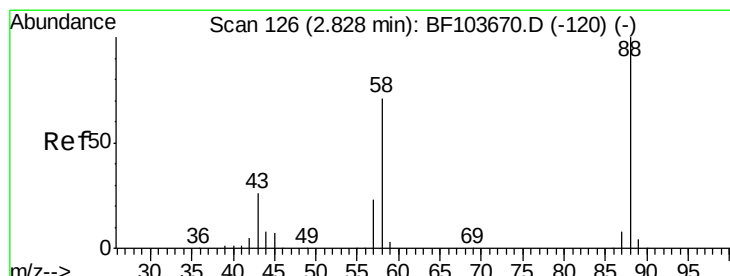
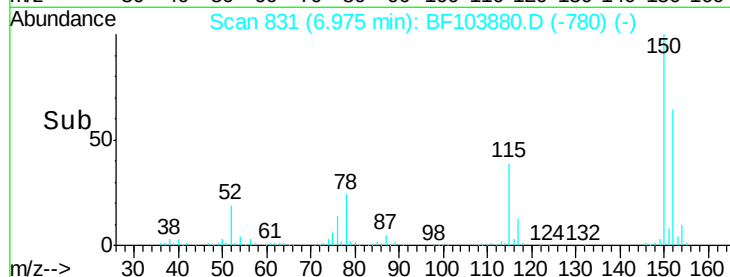
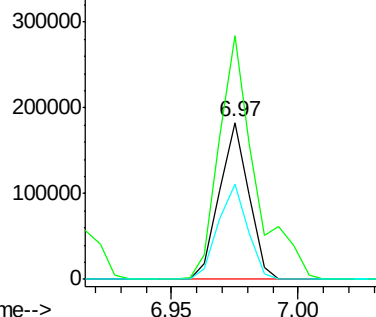
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	61.0	50.1	75.1

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

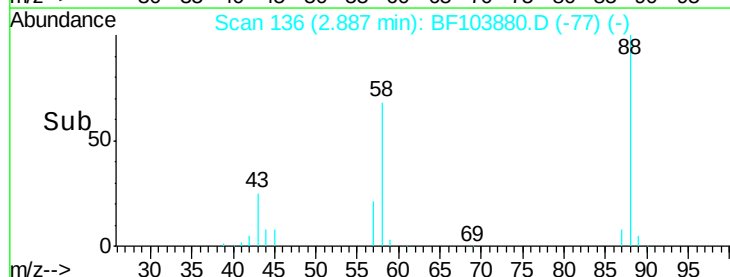
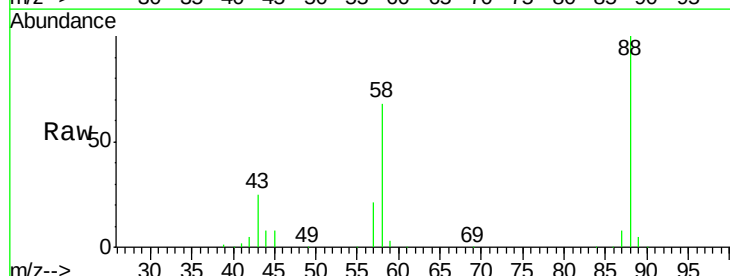
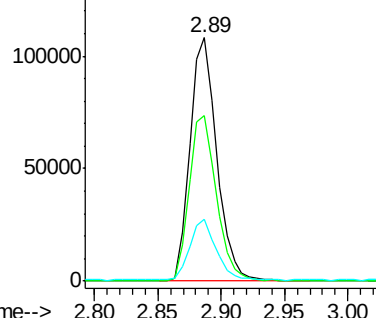


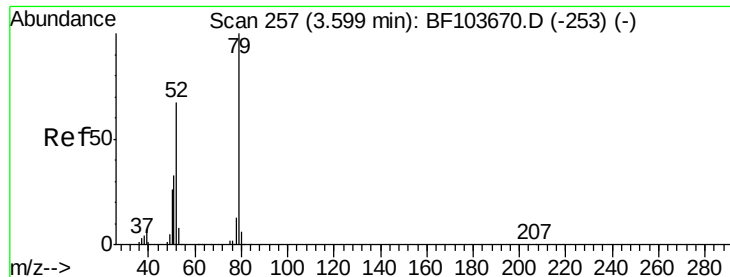
#2

1,4-Dioxane
Concen: 33.211 ng
RT: 2.89 min Scan# 136
Delta R.T. 0.05 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.4	62.6	93.8
43	24.5	24.6	37.0

Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 33.739 ng

RT: 3.66 min Scan# 267

Delta R.T. 0.04 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

ClientSampleId :

SB-109(15-16)MSD

Tot Ion: 79 Resp: 445226

Ion Ratio Lower Upper

79 100

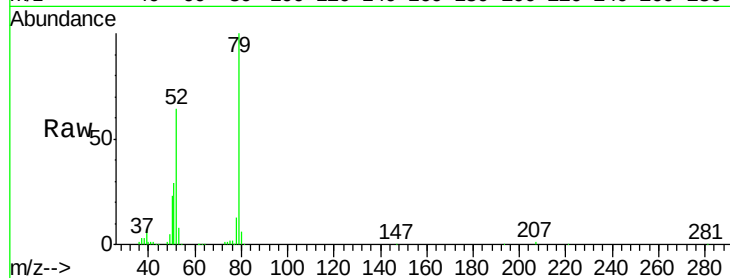
52 63.6 59.8 89.6

51 29.4 29.8 44.8#

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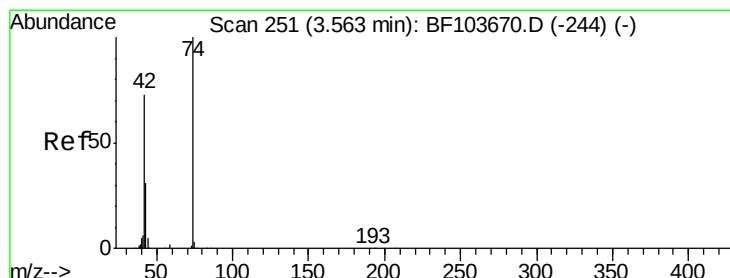
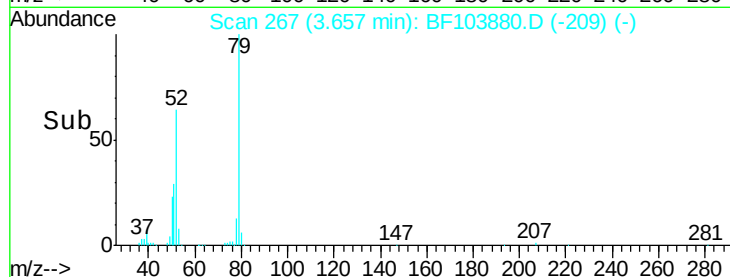
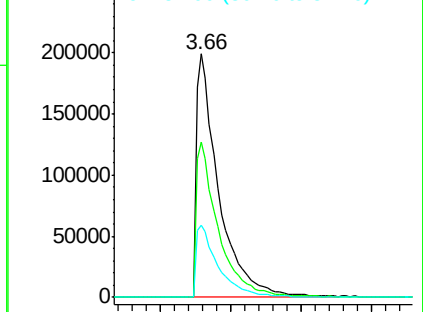
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 37.628 ng

RT: 3.62 min Scan# 260

Delta R.T. 0.04 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

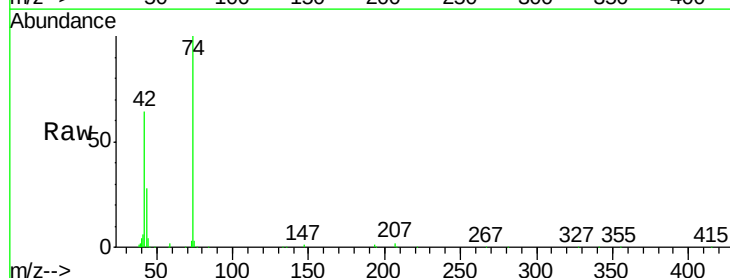
Tgt Ion: 42 Resp: 183081

Ion Ratio Lower Upper

42 100

74 156.9 104.9 157.3

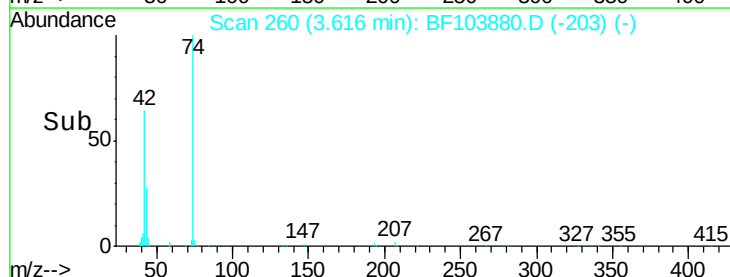
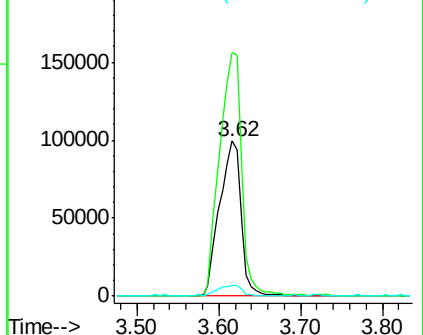
44 7.0 6.9 10.3

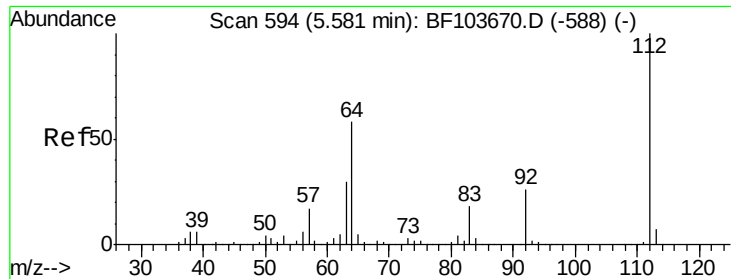


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 117.353 ng

RT: 5.61 min Scan# 599

Delta R.T. 0.02 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

ClientSampleId :

SB-109(15-16)MSD

Tot Ion: 112 Resp: 1143417

Ion Ratio Lower Upper

112 100

64 51.6 47.9 71.9

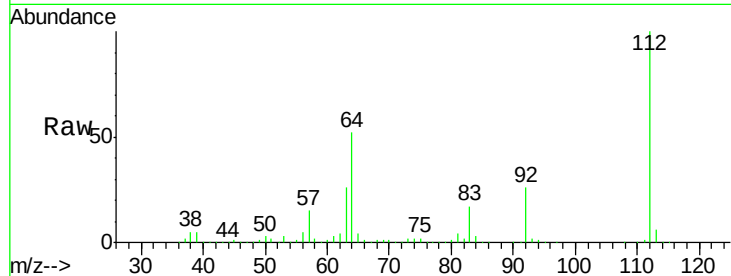
63 26.1 23.7 35.5

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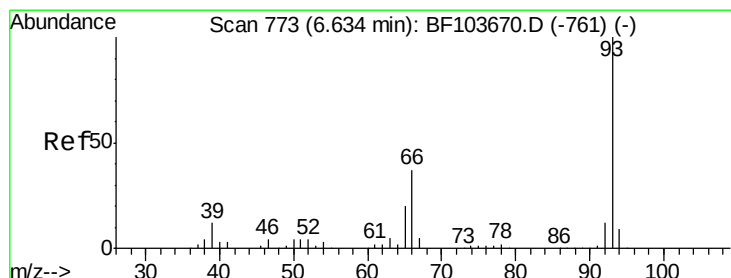
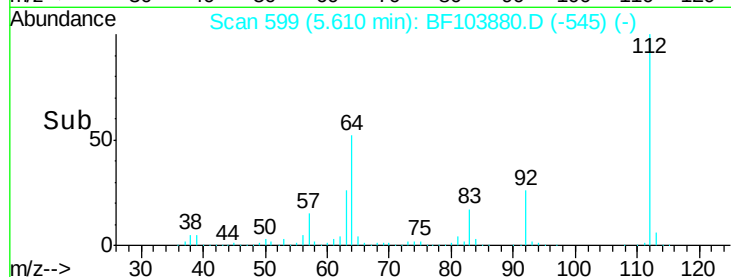
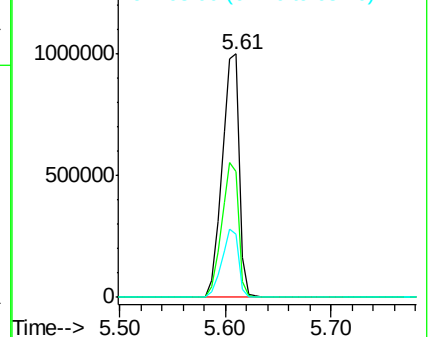
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 18.421 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

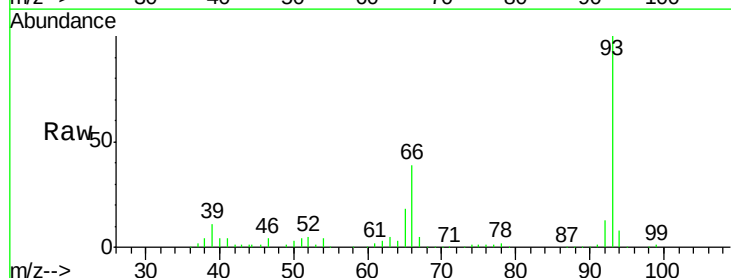
Tgt Ion: 93 Resp: 313545

Ion Ratio Lower Upper

93 100

66 38.6 32.2 48.2

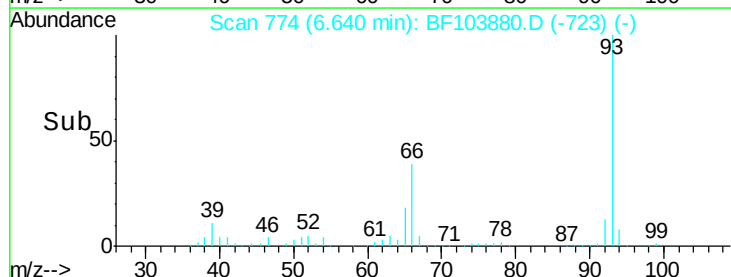
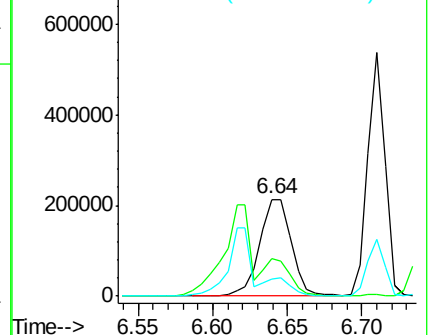
65 18.1 16.4 24.6

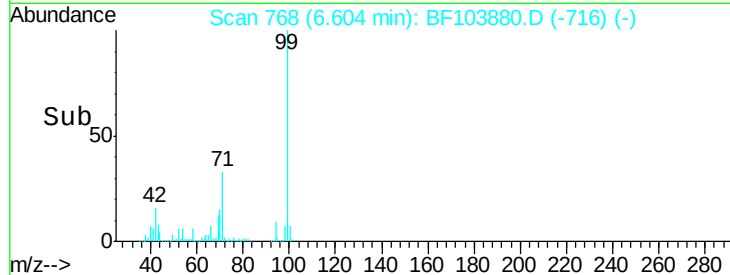
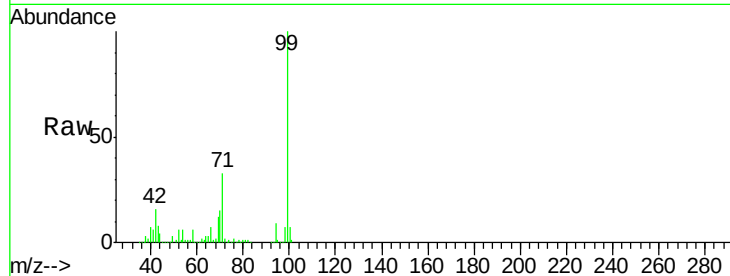
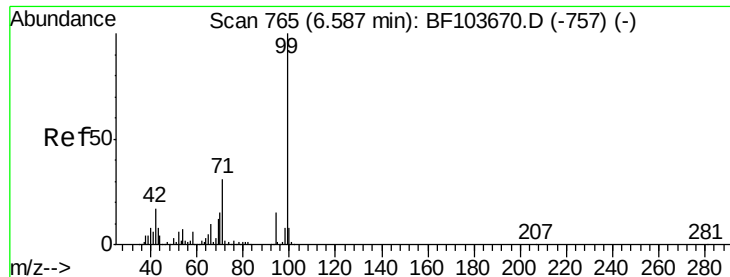


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 120.629 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tot Ion:	99	Resp:	1437931
Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.5	21.7
71	32.8	25.4	38.0

Instrument :

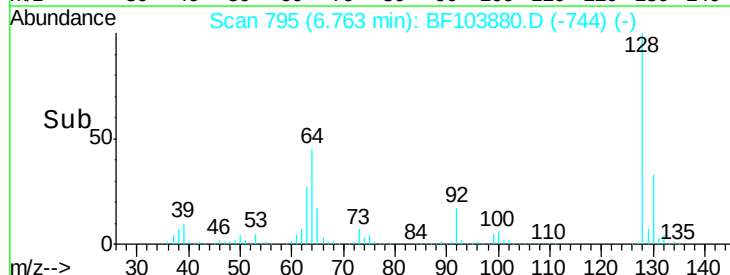
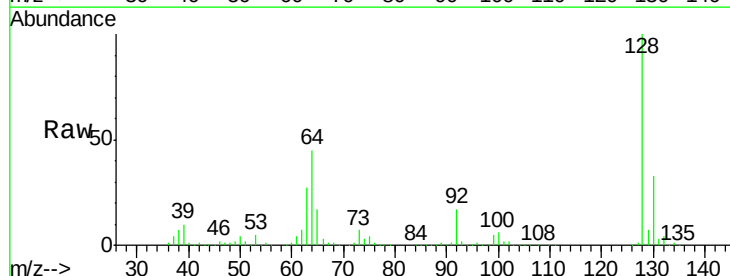
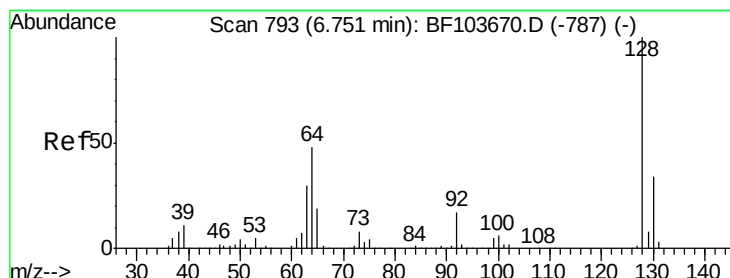
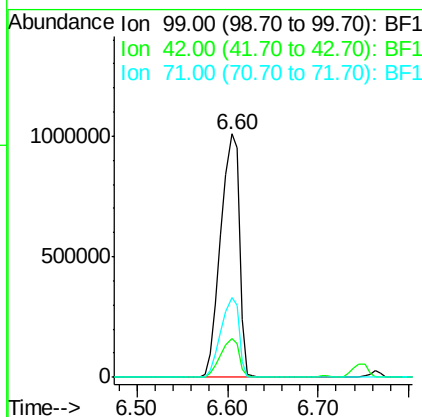
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SB-109(15-16)MSD

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#8

2-Chlorophenol

Concen: 44.030 ng

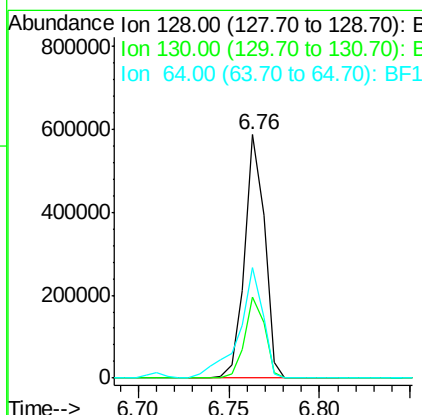
RT: 6.76 min Scan# 795

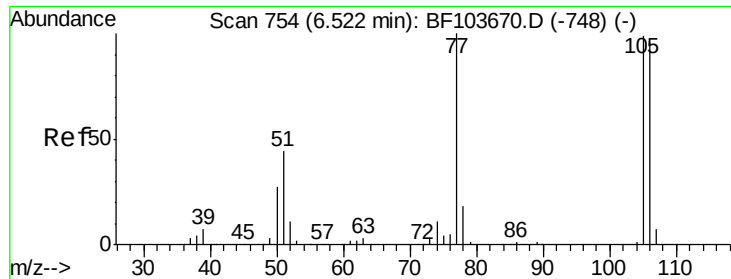
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	128	Resp:	449406
Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.0	53.0
64	45.3	29.4	69.4





#9

Benzaldehyde

Concen: 16.645 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

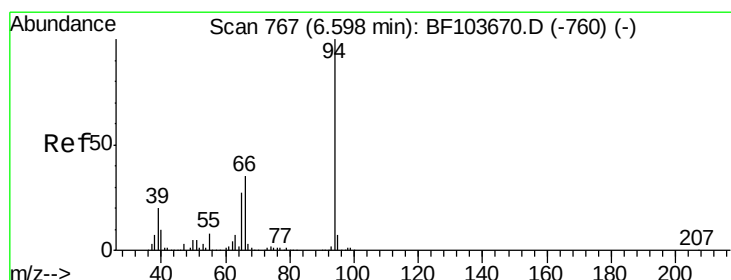
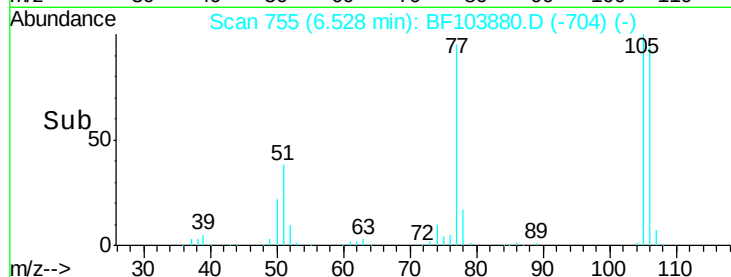
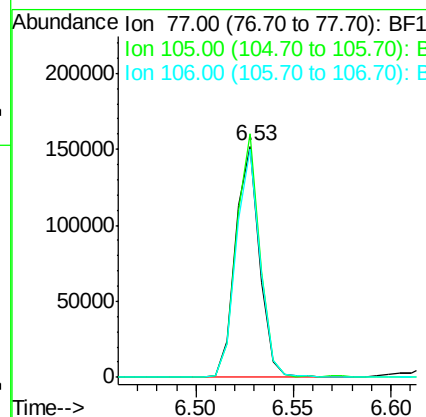
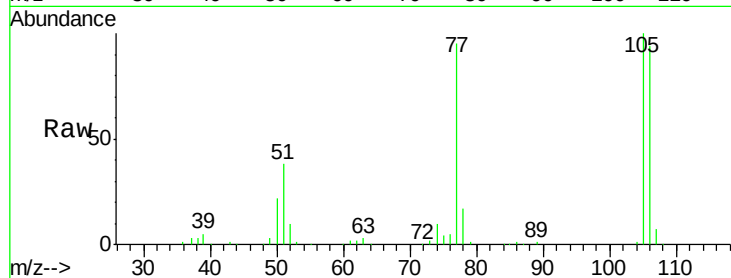
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	77	Resp:	130353
Ion	Ratio	Lower	Upper
77	100		
105	105.2	81.1	121.1
106	98.7	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 44.787 ng

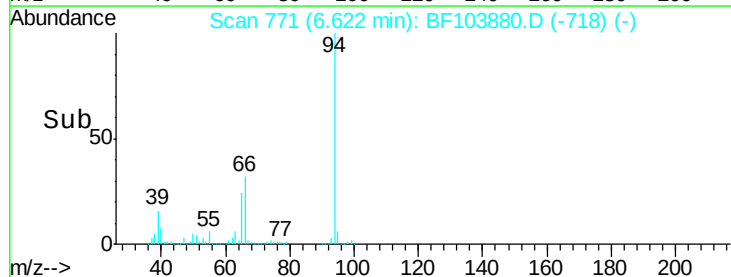
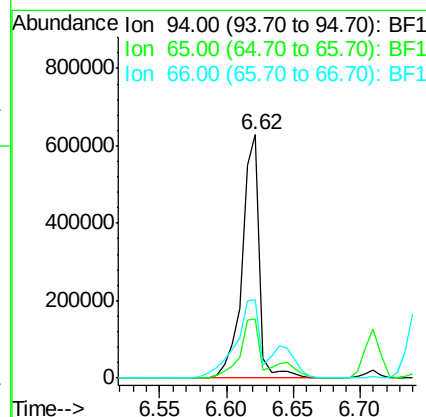
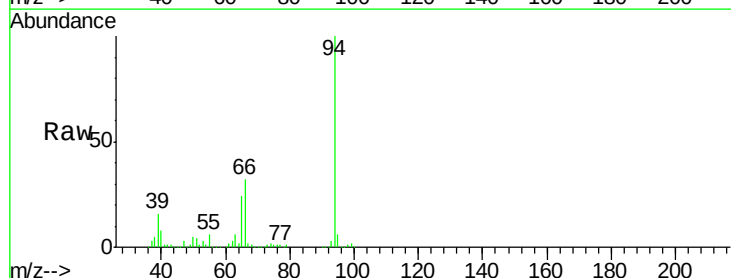
RT: 6.62 min Scan# 771

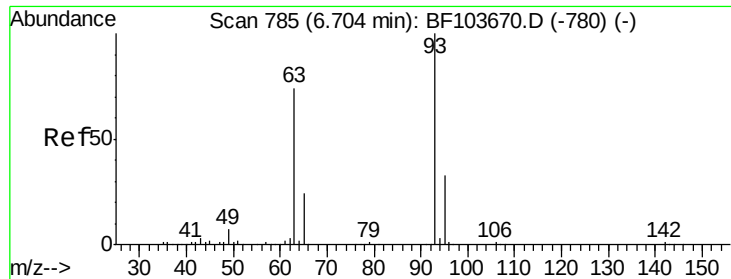
Delta R.T. 0.01 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	94	Resp:	567305
Ion	Ratio	Lower	Upper
94	100		
65	24.1	7.9	47.9
66	32.2	16.2	56.2





#11

bis(2-Chloroethyl)ether

Concen: 41.396 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

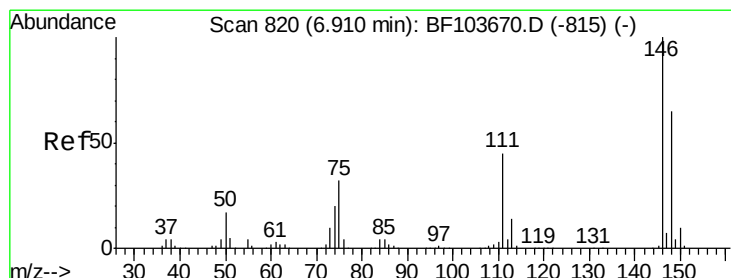
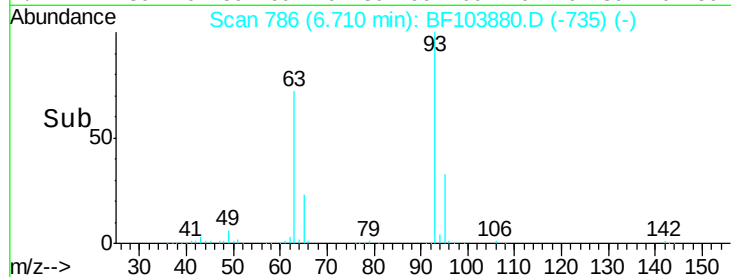
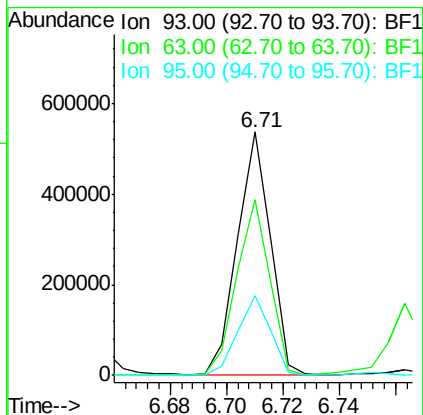
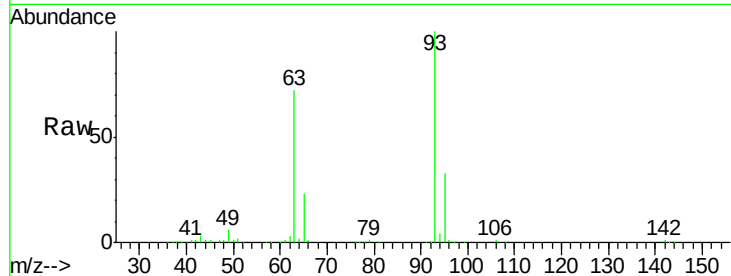
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	93	Resp:	432861
Ion Ratio	Lower	Upper	
93	100		
63	72.4	58.6	98.6
95	32.9	11.8	51.8

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#12

1,3-Dichlorobenzene

Concen: 40.146 ng

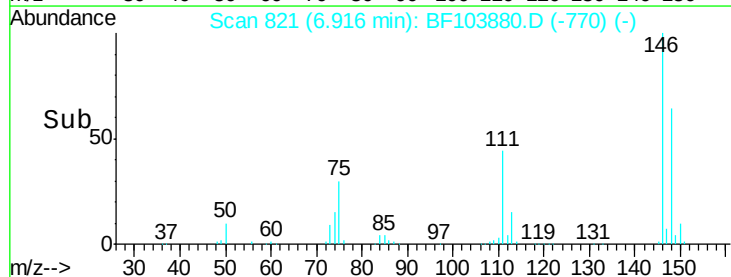
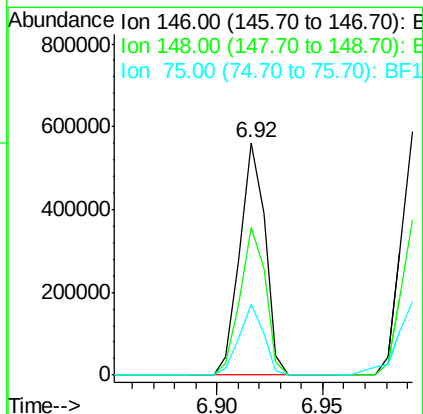
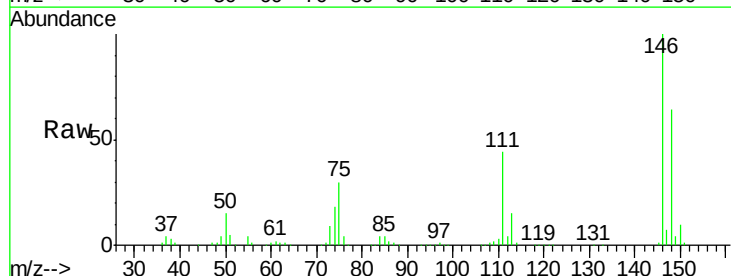
RT: 6.92 min Scan# 821

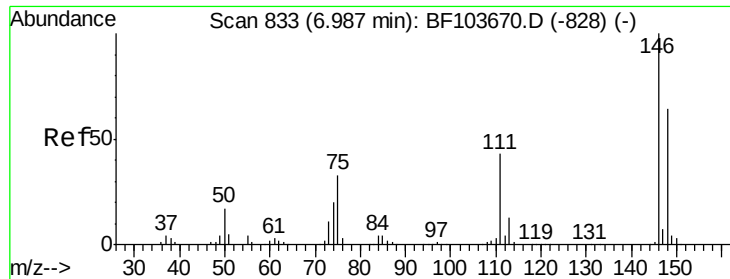
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	146	Resp:	466693
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.8	77.8
75	30.5	24.2	36.4





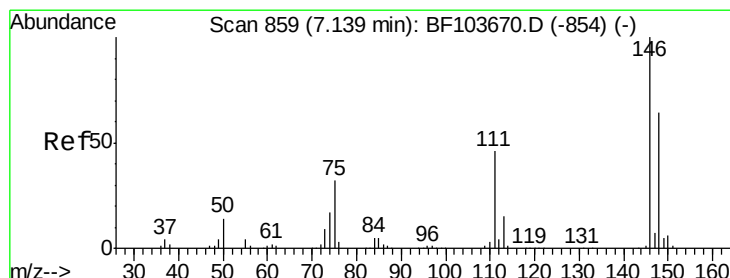
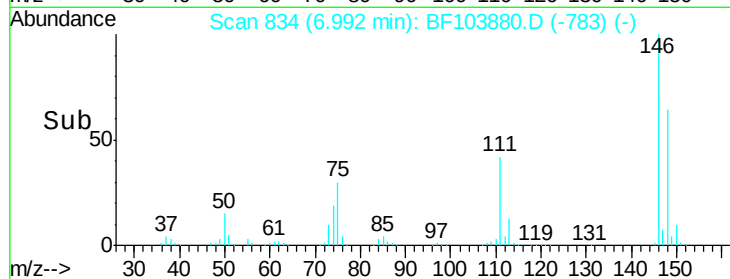
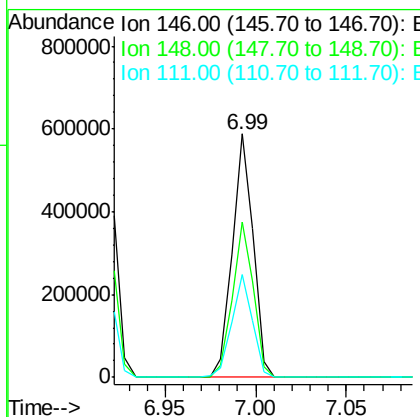
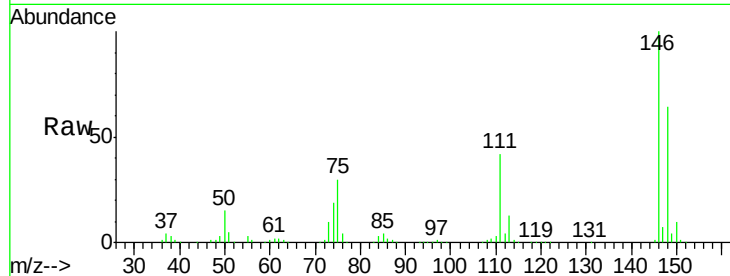
#13
1,4-Dichlorobenzene
Concen: 40.235 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.8	76.2
111	42.2	34.2	51.2

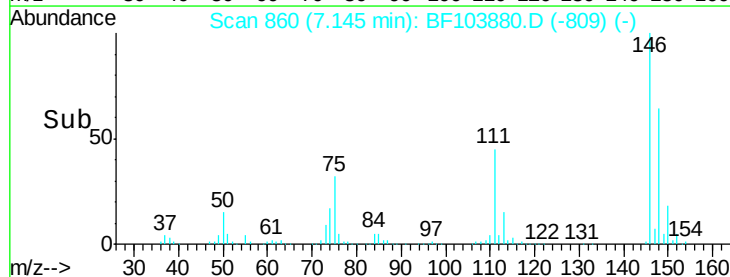
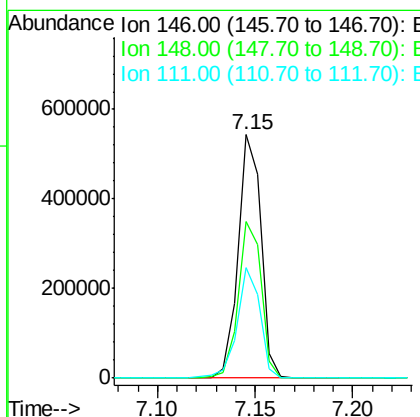
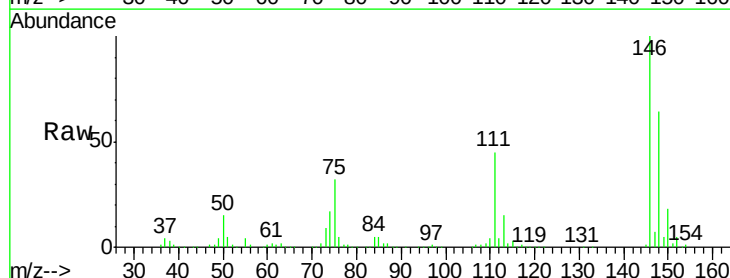
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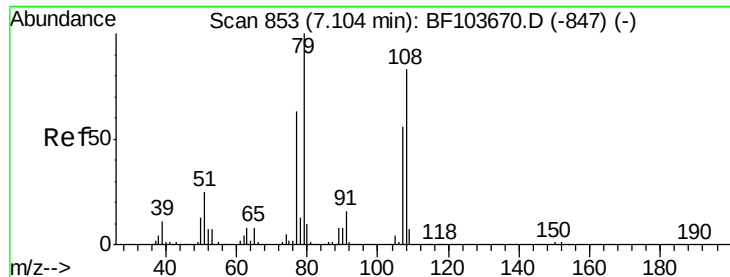
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#14
1,2-Dichlorobenzene
Concen: 40.660 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	75.8
111	45.1	36.0	54.0





#15

Benzyl Alcohol

Concen: 41.841 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

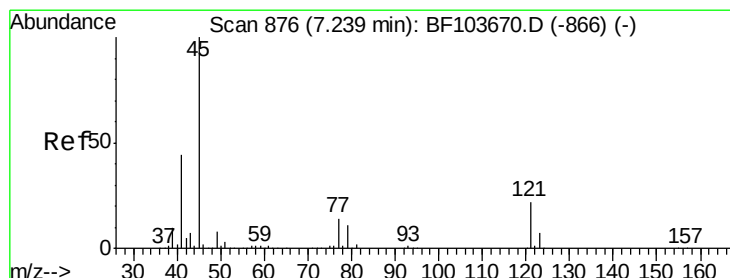
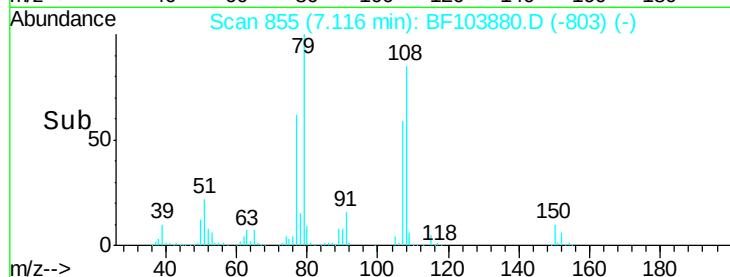
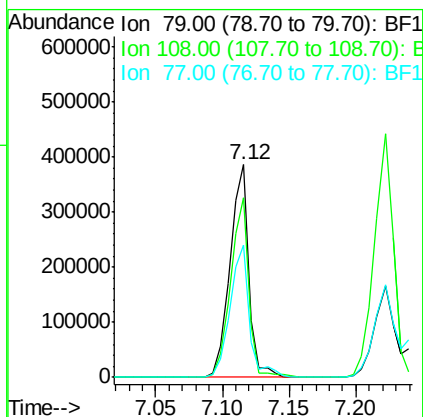
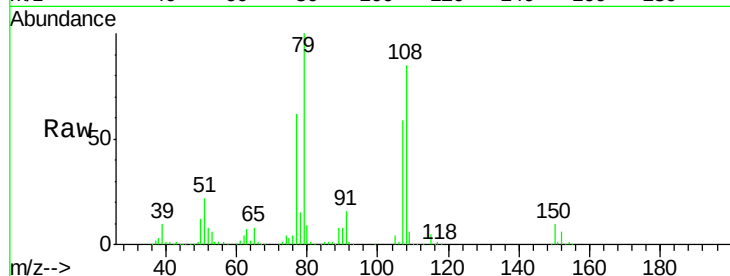
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	79	Resp:	386440
Ion Ratio	Lower	Upper	
79	100		
108	84.7	65.1	97.7
77	62.0	50.6	75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 37.638 ng

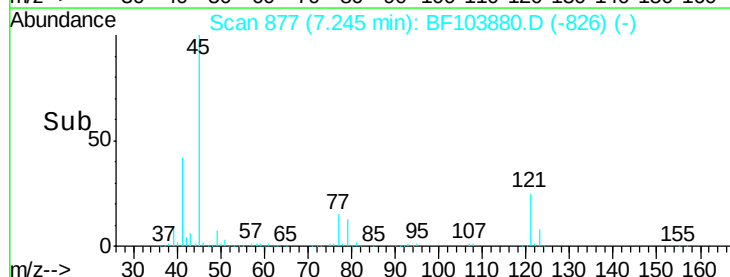
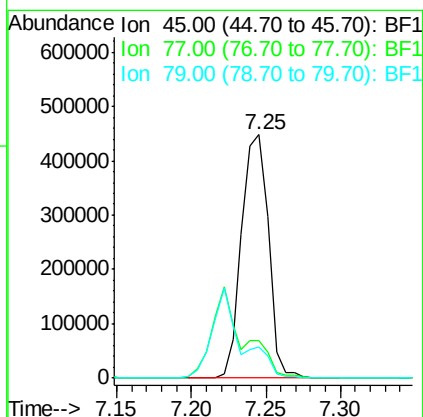
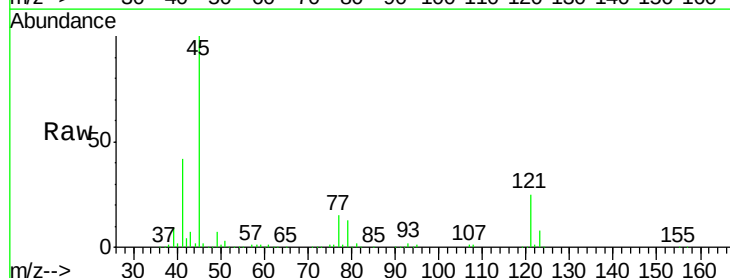
RT: 7.25 min Scan# 877

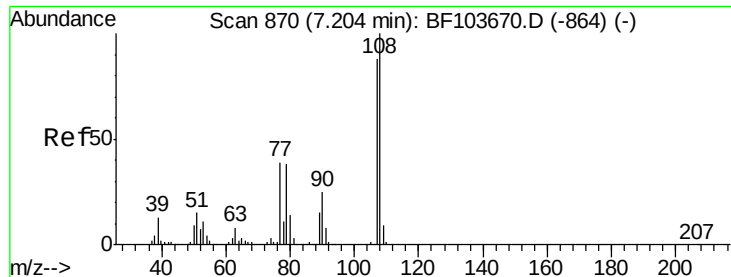
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	45	Resp:	559775
Ion Ratio	Lower	Upper	
45	100		
77	15.4	0.0	32.9
79	12.6	0.0	29.6





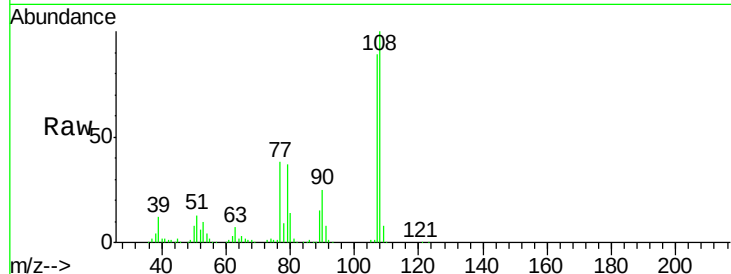
#17
2-Methylphenol
Concen: 41.822 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

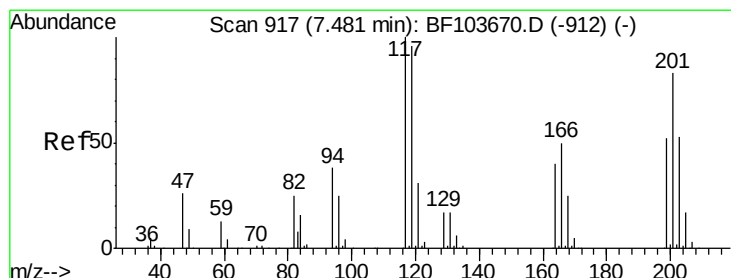
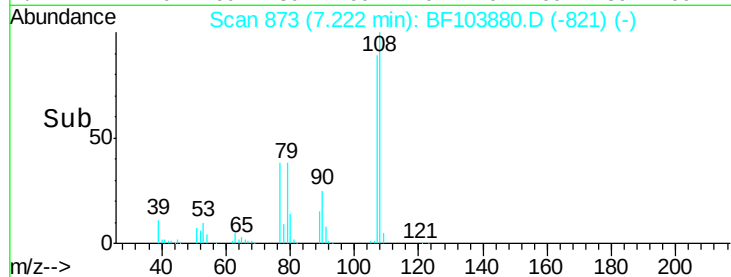
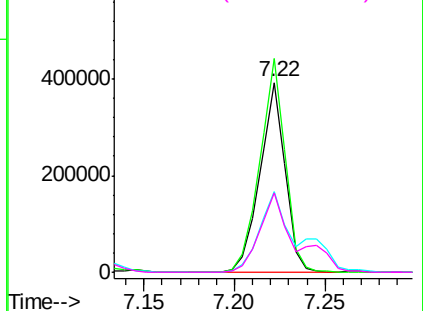
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.6	91.7	137.5	
77	42.7	33.8	50.8	
79	42.0	33.8	50.8	

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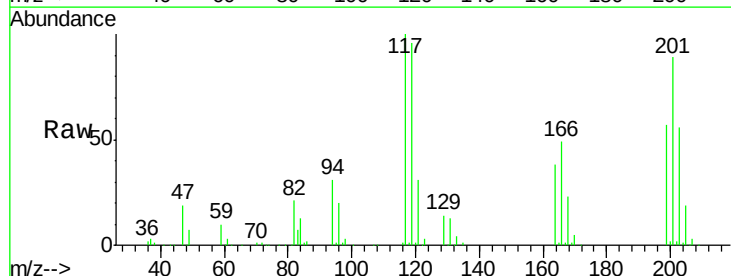


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

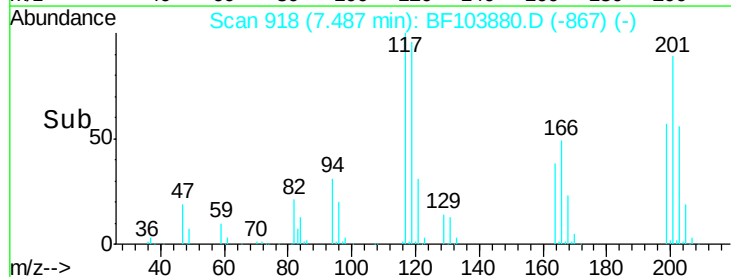
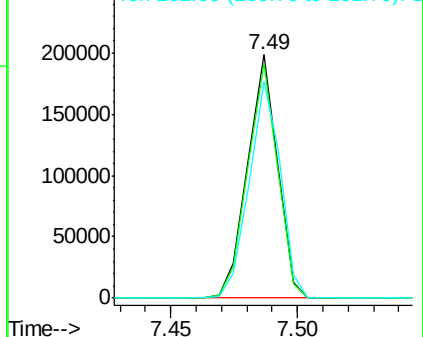


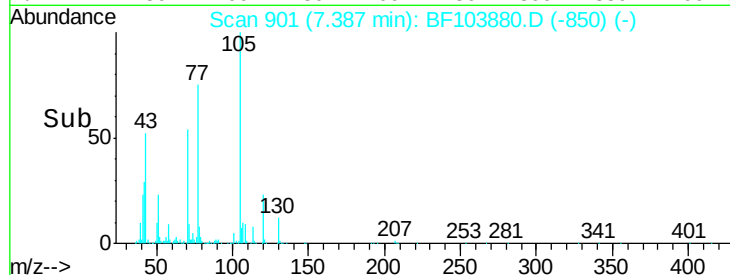
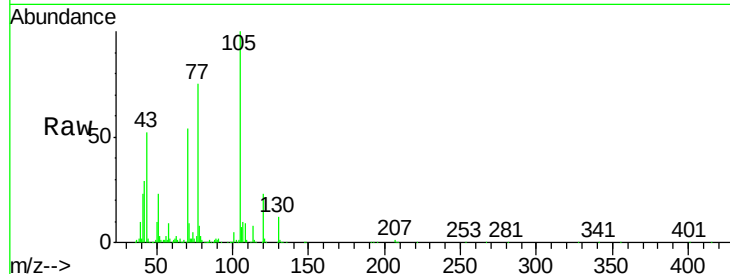
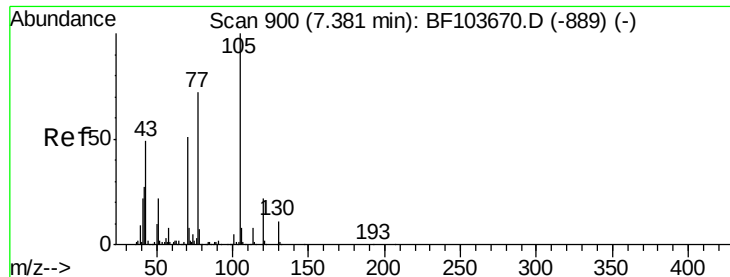
#18
Hexachloroethane
Concen: 40.077 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.1	75.8	113.8	
201	89.0	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





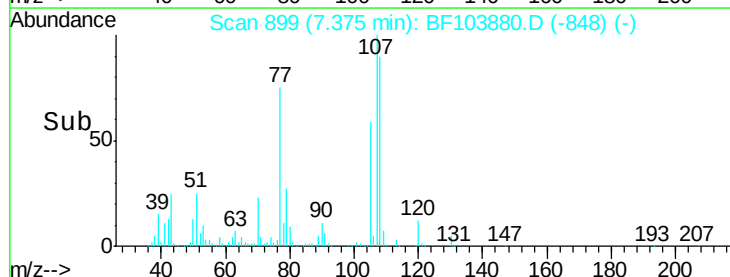
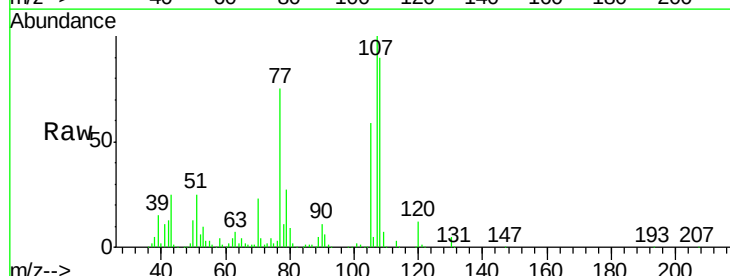
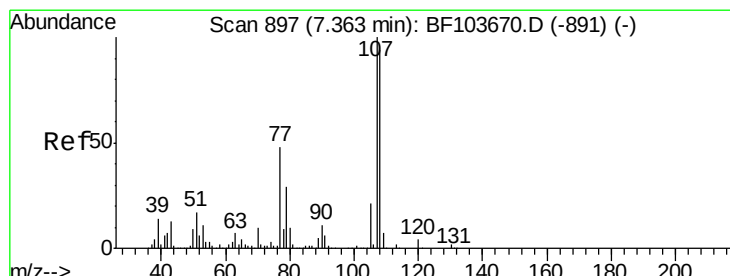
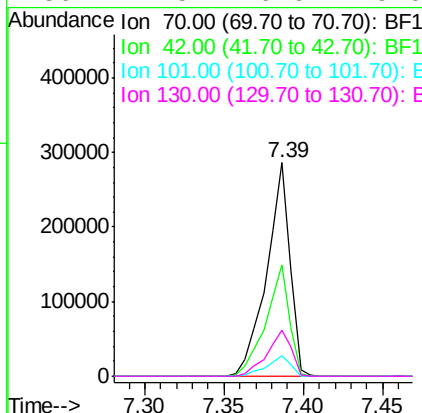
#19
n-Nitroso-di-n-propylamine
Concen: 38.599 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.4	47.5	71.3	
101	9.7	7.4	11.2	
130	21.5	16.6	25.0	

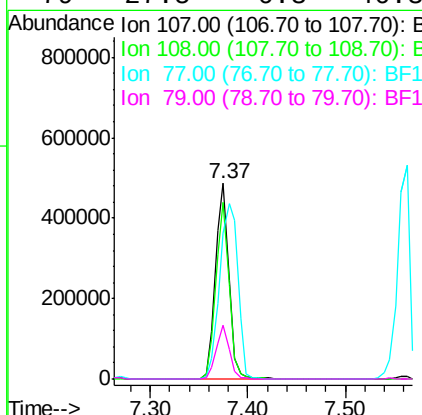
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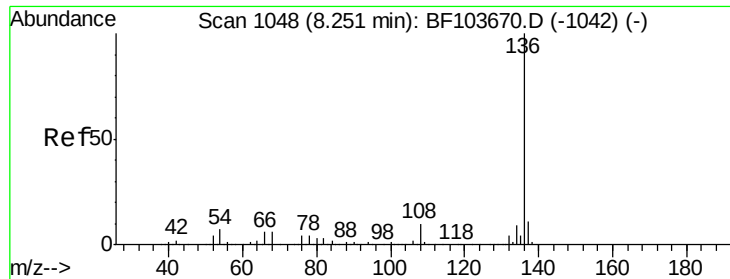
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#20
3+4-Methylphenols
Concen: 40.699 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.0	68.2	108.2	
77	74.7	26.7	66.7#	
79	27.5	6.3	46.3	





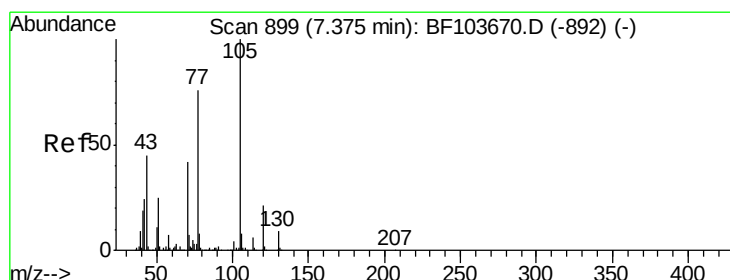
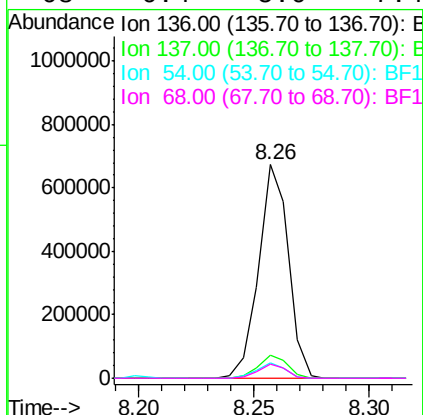
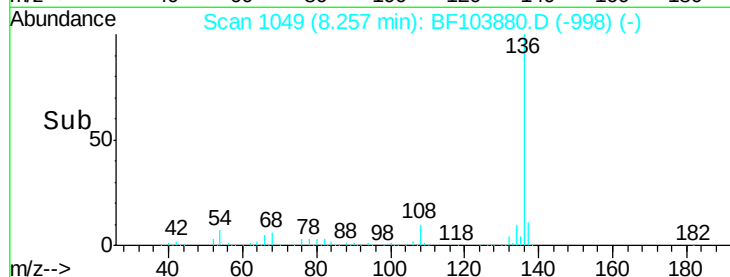
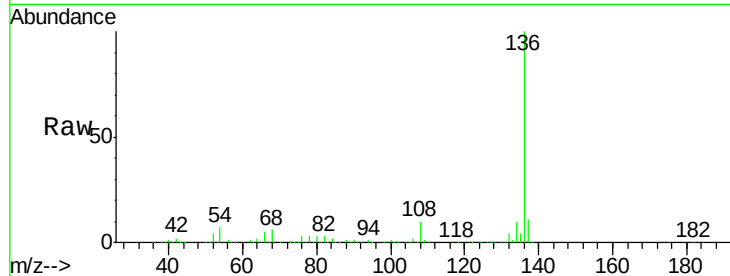
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		607416		
137	11.1		8.9	13.3	
54	7.0		6.6	9.8	
68	6.4		5.0	7.4	

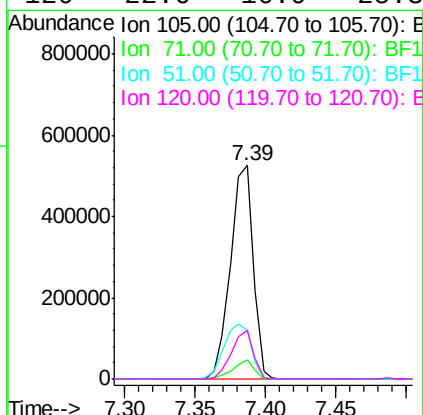
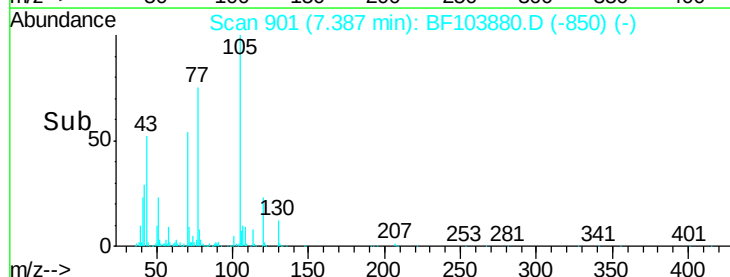
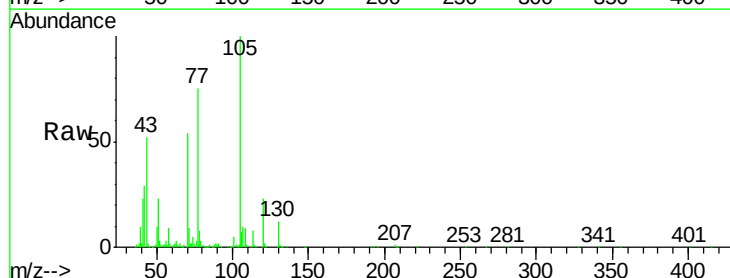
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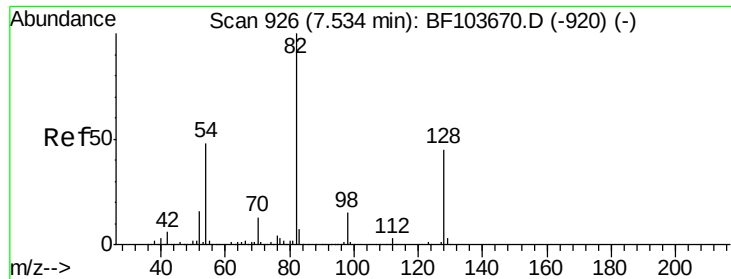
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#22
Acetophenone
Concen: 37.958 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		592562		
71	8.7		4.4	6.6#	
51	22.5		22.3	33.5	
120	22.6		16.9	25.3	





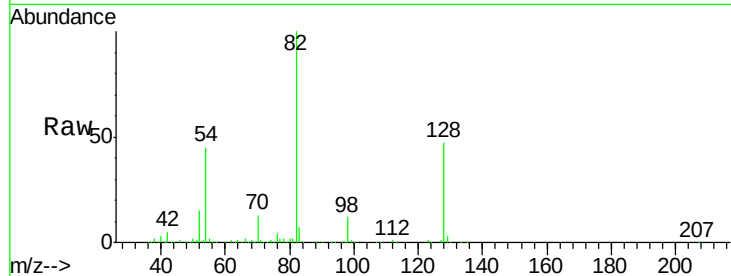
#23
 Nitrobenzene-d5
 Concen: 101.145 ng
 RT: 7.54 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

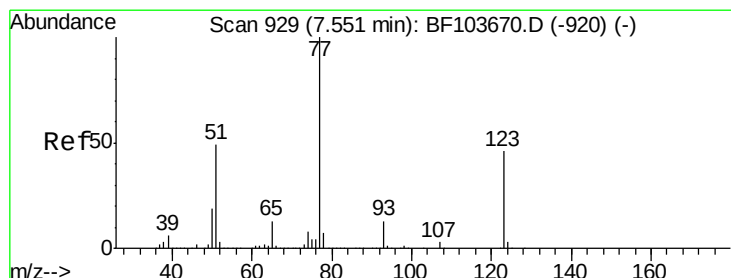
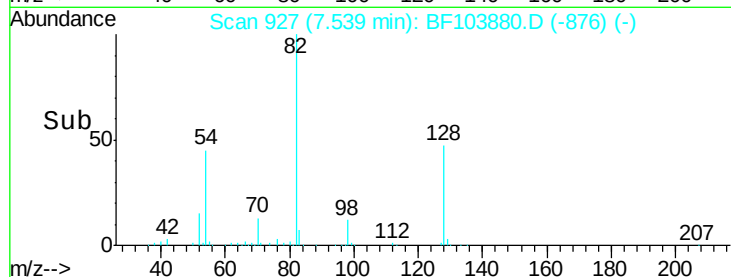
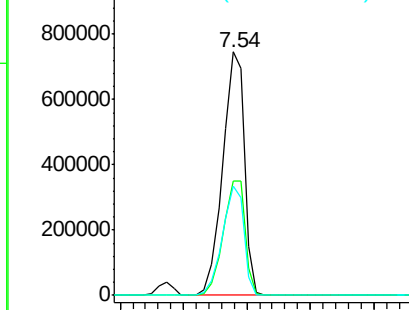
Tot Ion	Ratio	Resp	Lower	Upper
82	100	880994		
128	47.0	36.1	54.1	
54	44.6	41.4	62.2	

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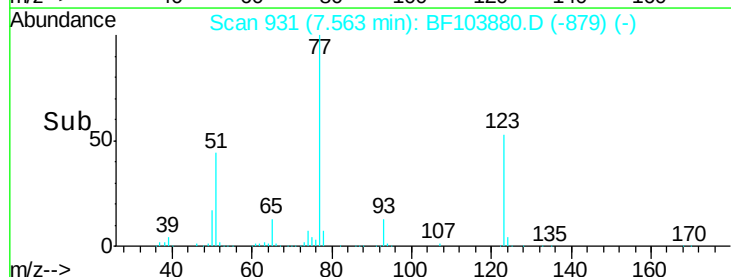
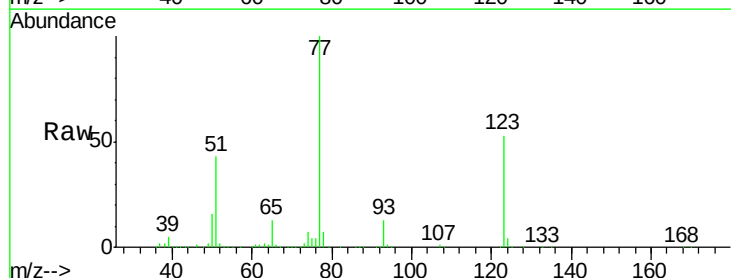
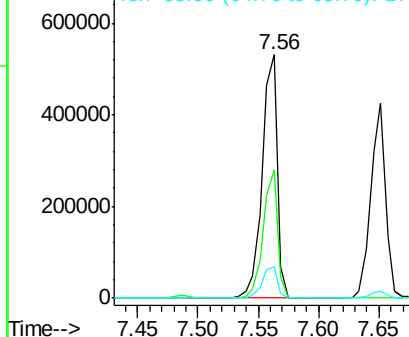
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

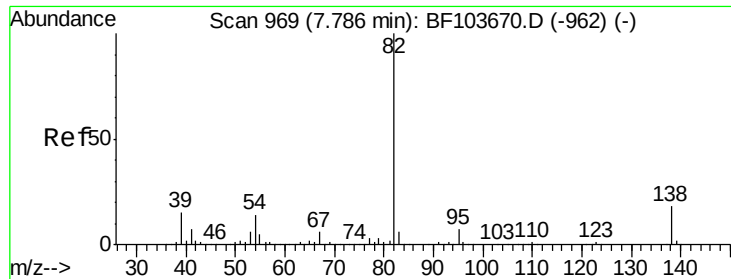


#24
 Nitrobenzene
 Concen: 45.522 ng
 RT: 7.56 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	465503		
123	52.8	37.9	56.9	
65	12.8	11.0	16.4	

Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 42.141 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

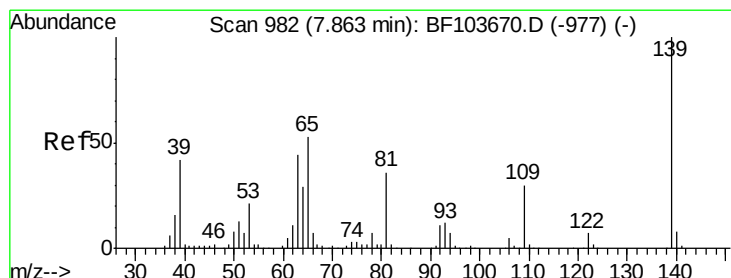
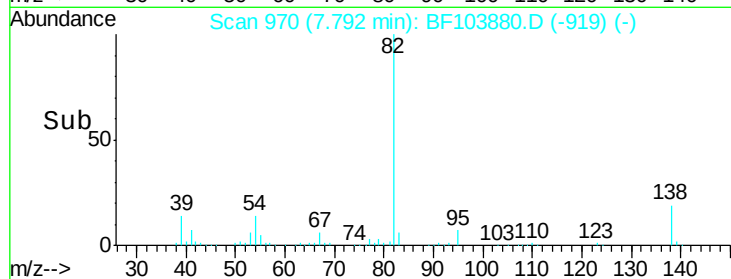
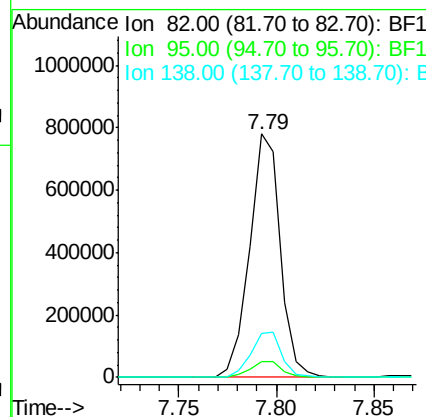
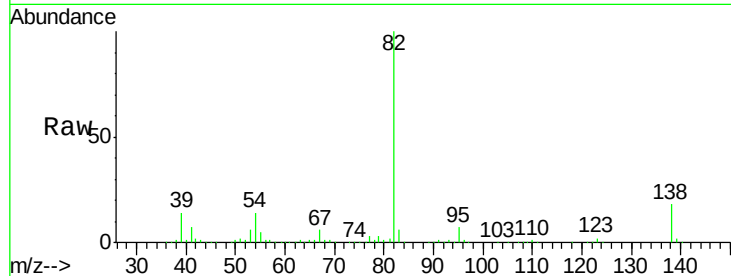
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	82	Resp:	849707
Ion Ratio		Lower	Upper
82	100		
95	6.7	5.2	7.8
138	18.0	14.9	22.3

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#26

2-Nitrophenol

Concen: 61.115 ng

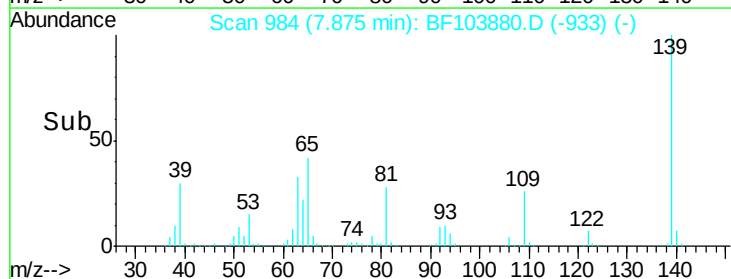
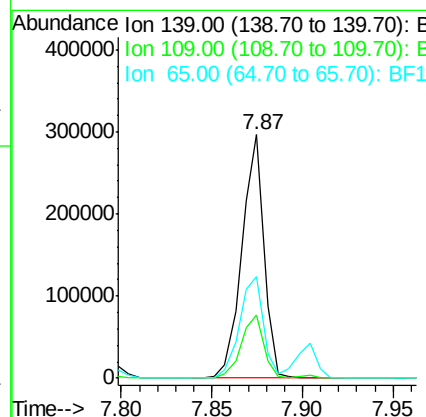
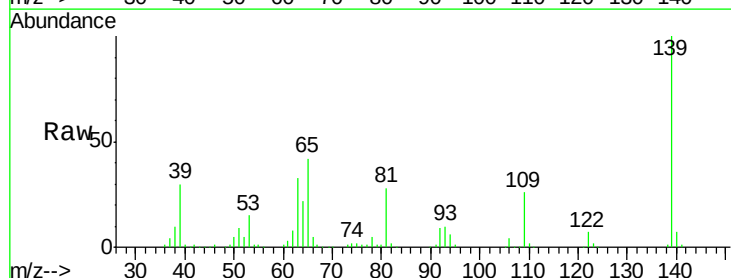
RT: 7.87 min Scan# 984

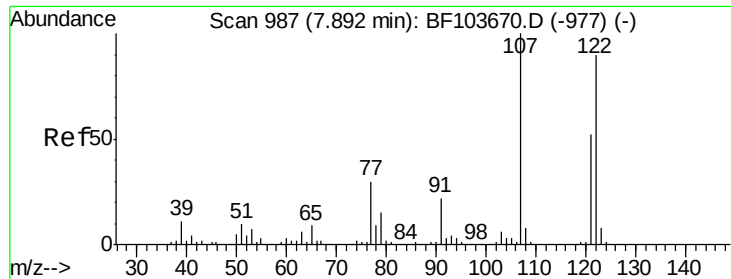
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	139	Resp:	250276
Ion Ratio		Lower	Upper
139	100		
109	26.0	22.7	34.1
65	41.8	40.5	60.7





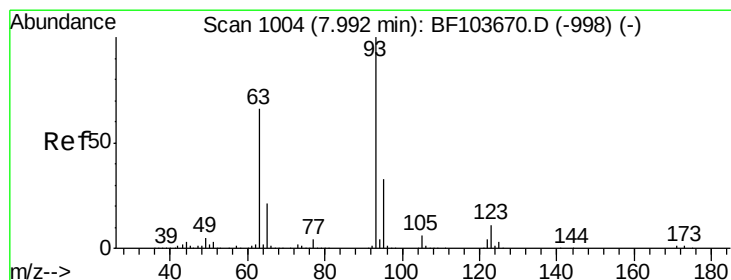
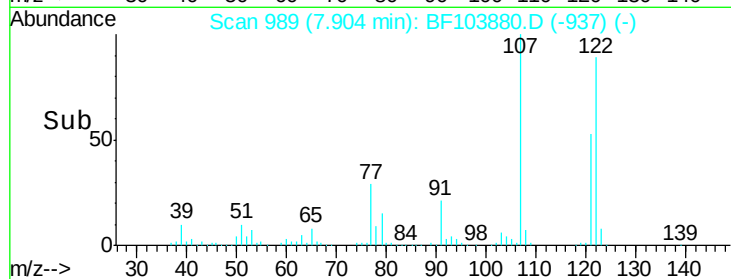
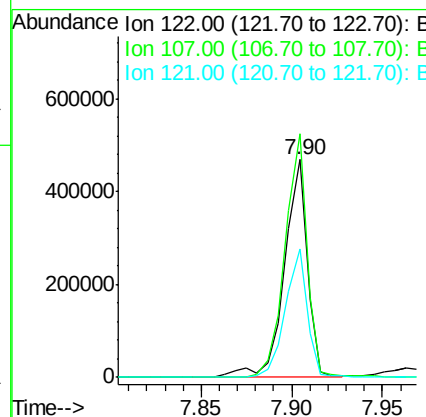
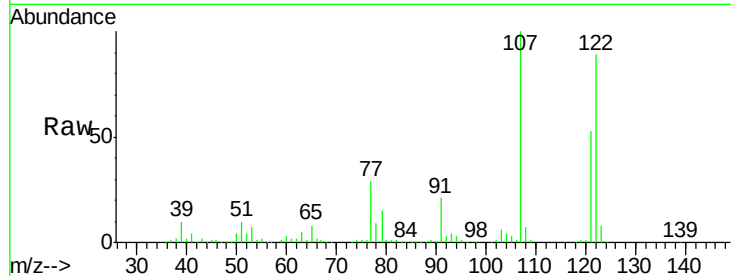
#27
2,4-Dimethylphenol
Concen: 47.914 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		413887		
107	112.0	91.2		136.8	
121	59.3	47.2		70.8	

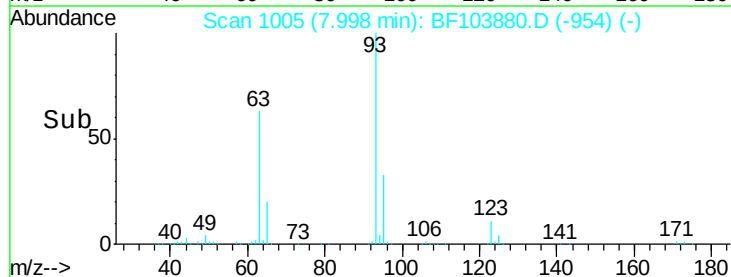
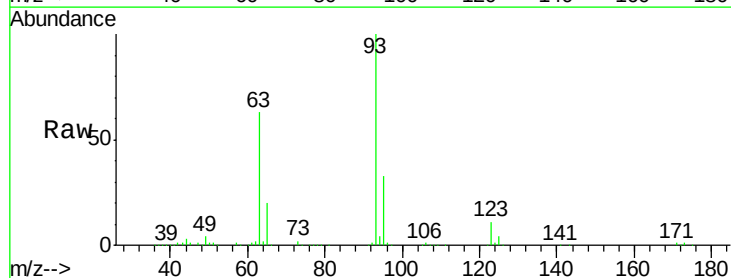
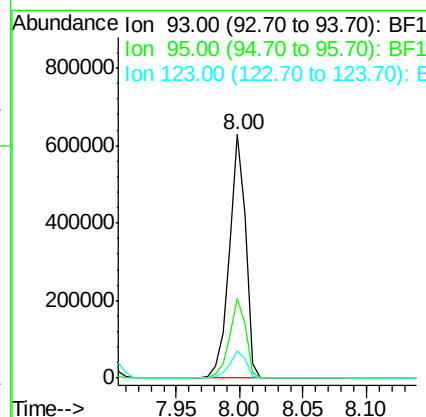
Manual Integrations
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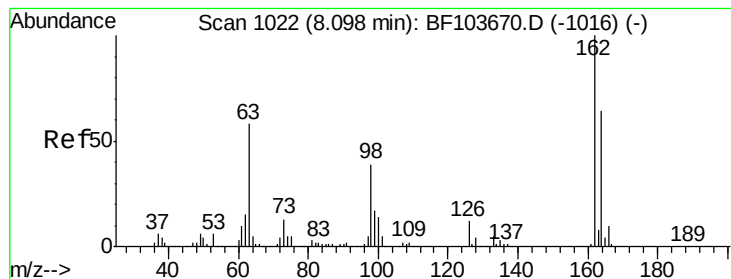
Sohil
3/26/2018 4:33:00 PM



#28
bis(2-Chloroethoxy)methane
Concen: 45.842 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		559721		
95	32.7	26.3		39.5	
123	11.3	9.8		14.6	





#29

2,4-Dichlorophenol

Concen: 47.914 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

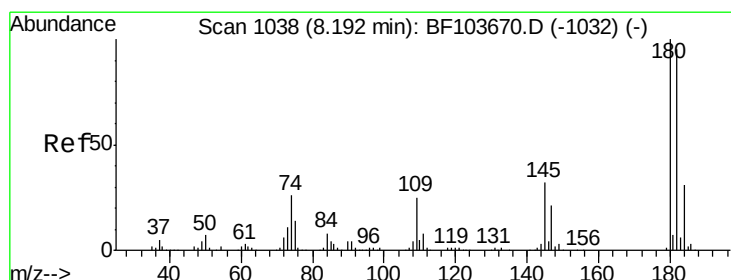
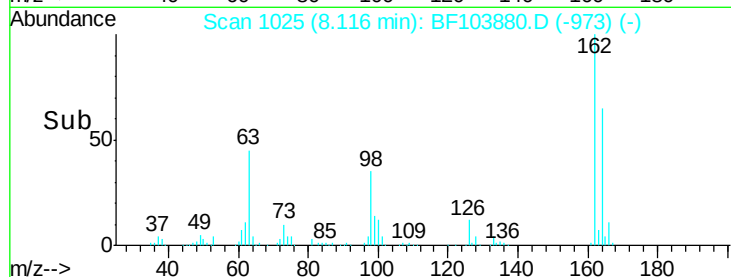
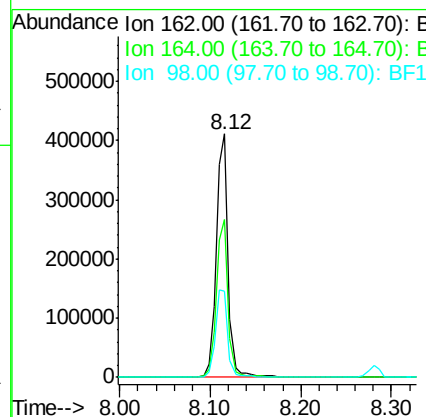
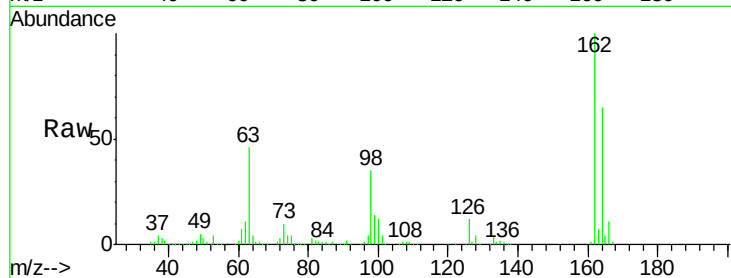
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	162	Resp:	376550
Ion Ratio	Lower	Upper	
162	100		
164	64.6	42.7	82.7
98	35.4	18.1	58.1

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#30

1,2,4-Trichlorobenzene

Concen: 42.020 ng

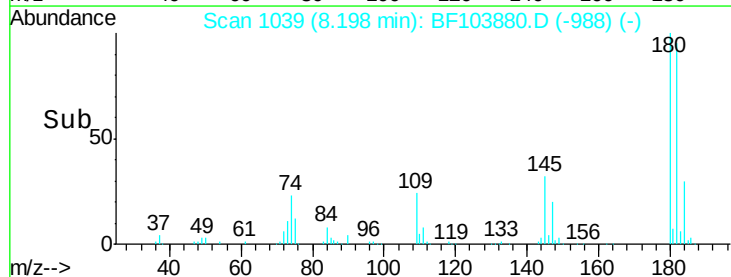
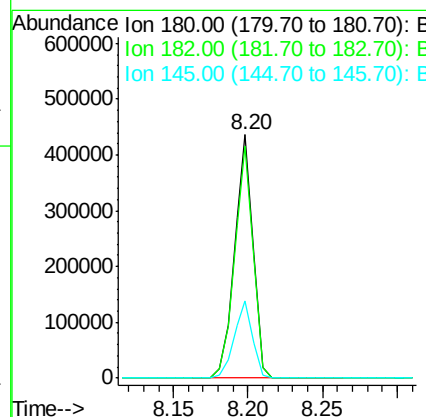
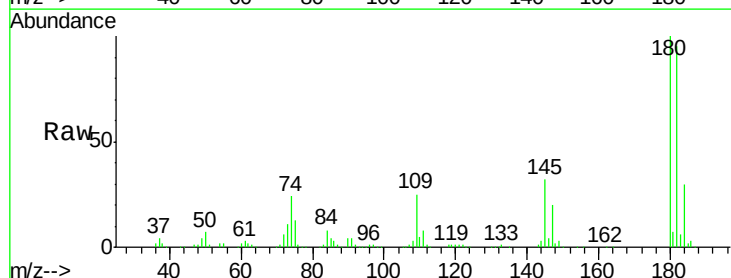
RT: 8.20 min Scan# 1039

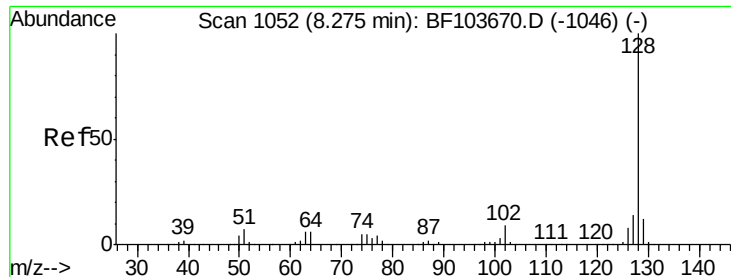
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	180	Resp:	383011
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.8	115.2
145	31.6	26.5	39.7





#31

Naphthalene

Concen: 41.032 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

ClientSampleId :

SB-109(15-16)MSD

Tot Ion:128 Resp: 1259019

Ion Ratio Lower Upper

128 100

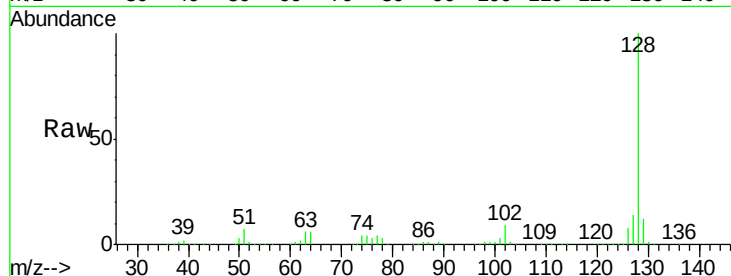
129 11.6 8.8 13.2

127 13.7 10.9 16.3

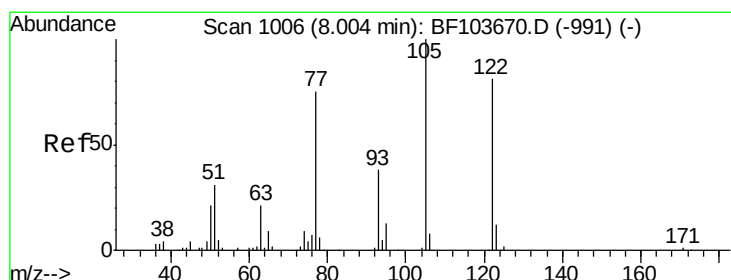
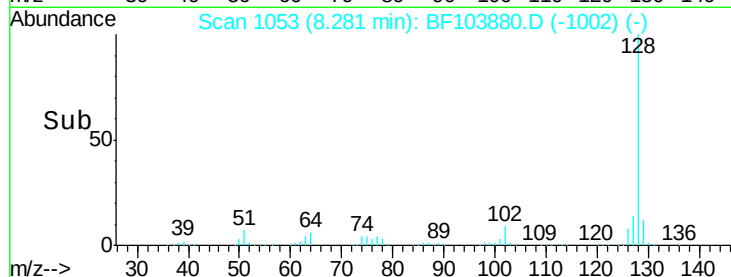
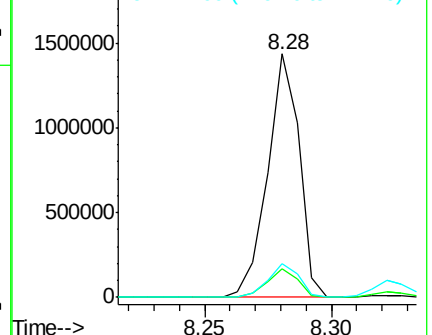
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.394 ng m

RT: 7.96 min Scan# 999

Delta R.T. -0.05 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

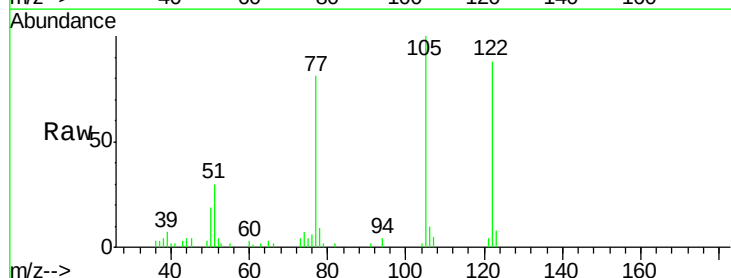
Tgt Ion:122 Resp: 34476

Ion Ratio Lower Upper

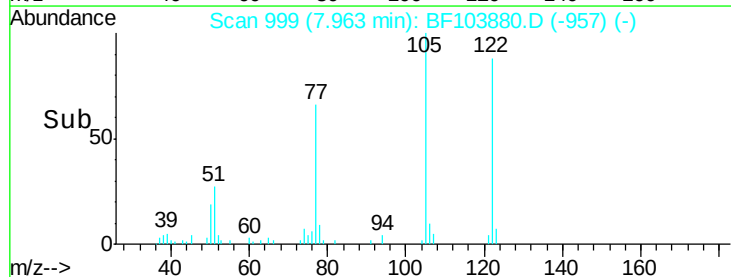
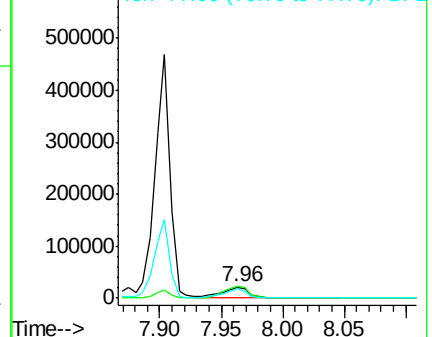
122 100

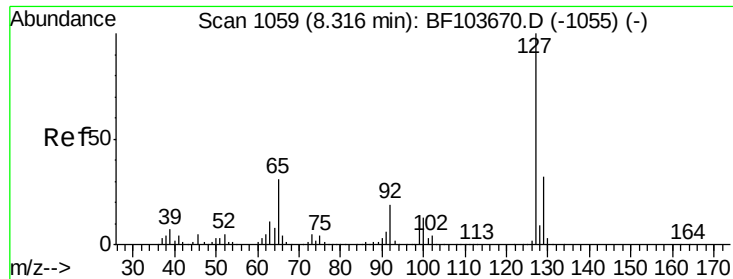
105 113.5 101.1 141.1

77 91.4 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





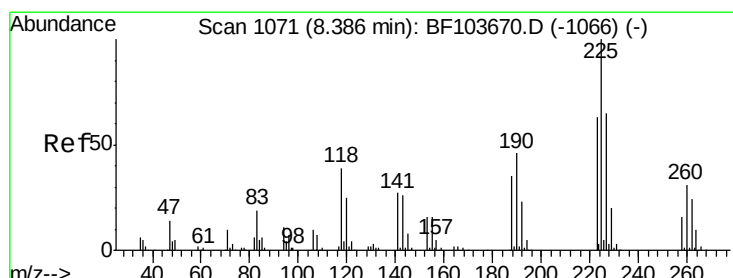
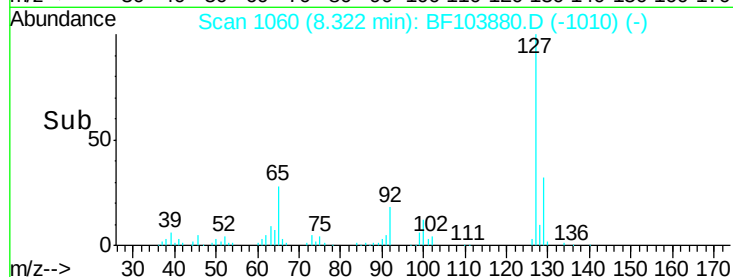
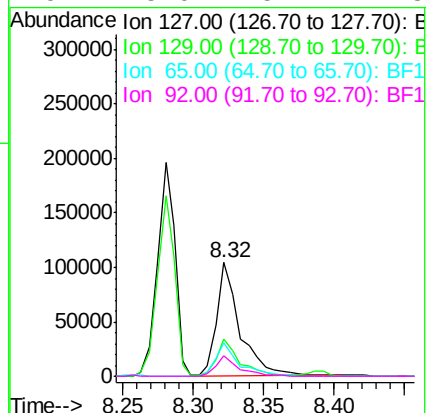
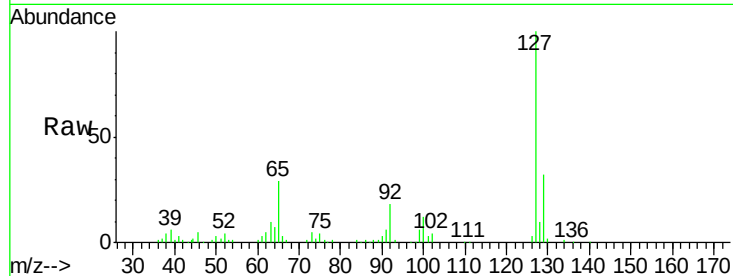
#33
4-Chloroaniline
Concen: 9.353 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	25.9	38.9		
65	28.8	25.0	37.4		
92	18.0	15.2	22.8		

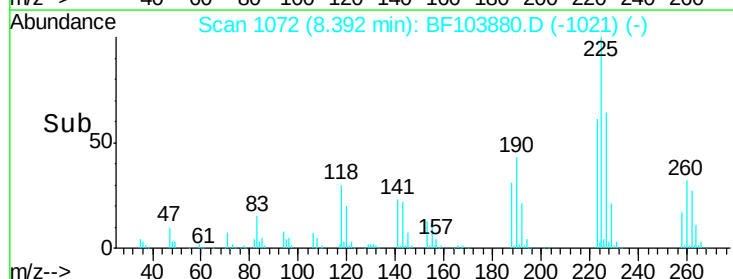
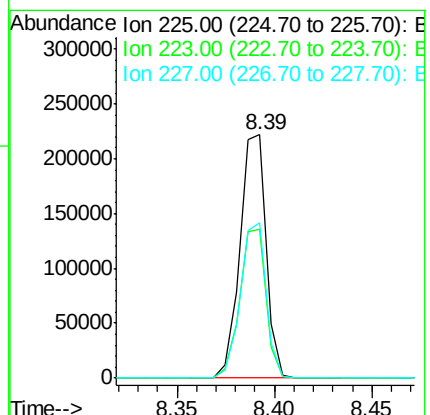
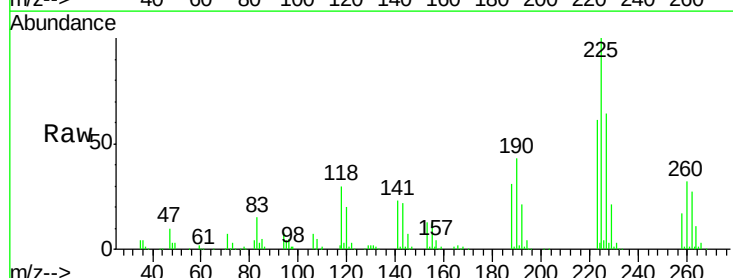
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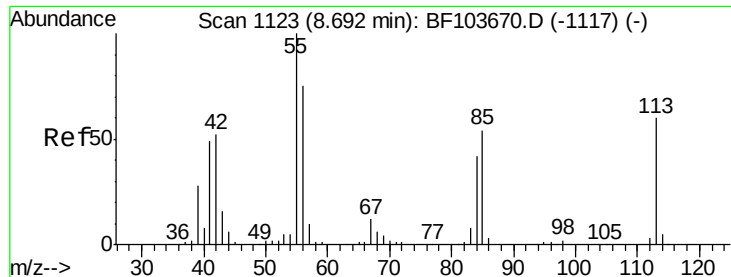
Sohil
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#34
Hexachlorobutadiene
Concen: 41.272 ng
RT: 8.39 min Scan# 1072
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.0	50.6	76.0		
227	63.8	51.9	77.9		





#35

Caprolactam

Concen: 47.086 ng/mL

RT: 8.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

ClientSampleId :

SB-109(15-16)MSD

Tot Ion:113 Resp: 127420

Ion Ratio Lower Upper

113 100

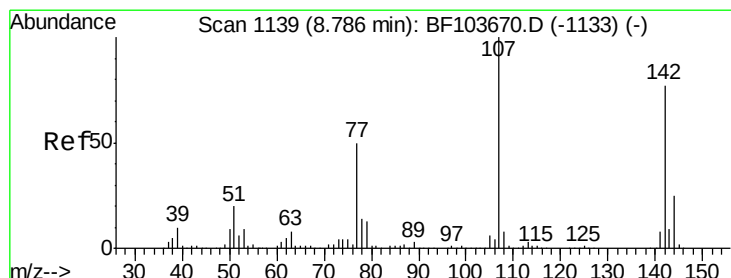
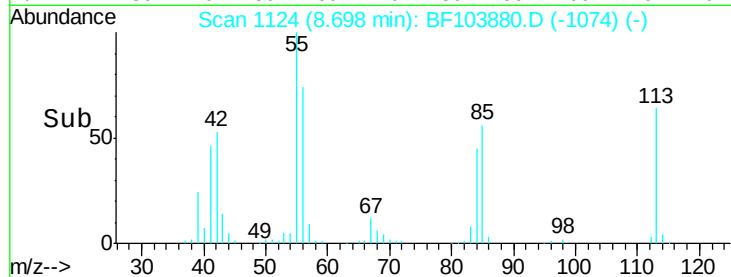
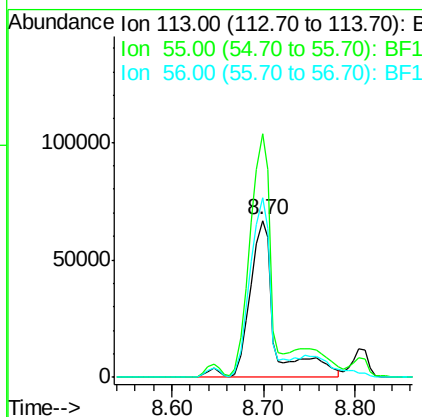
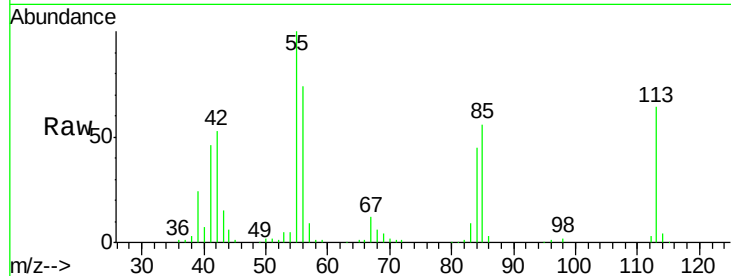
55 155.2 163.3 203.3#

56 114.1 115.7 155.7#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 47.461 ng/mL

RT: 8.81 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

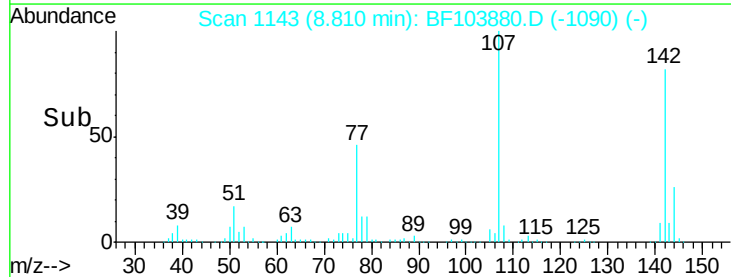
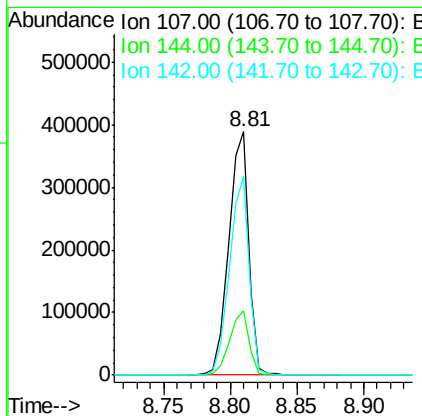
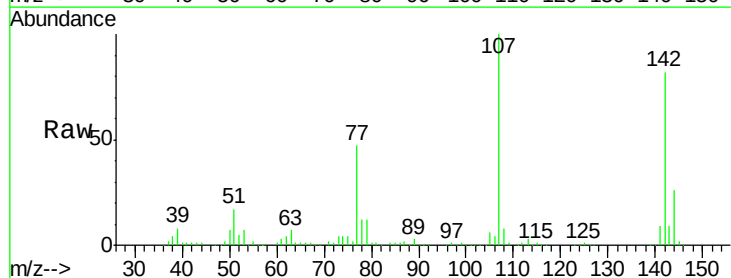
Tgt Ion:107 Resp: 411194

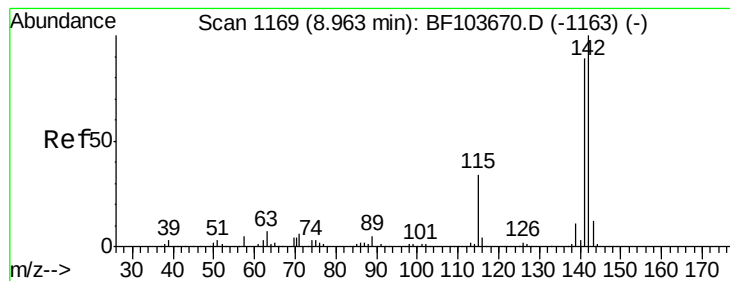
Ion Ratio Lower Upper

107 100

144 26.2 20.5 30.7

142 81.9 62.0 93.0





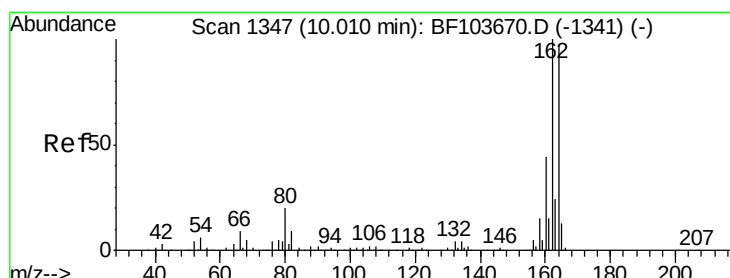
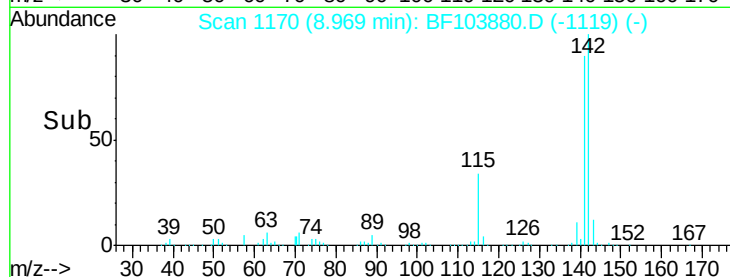
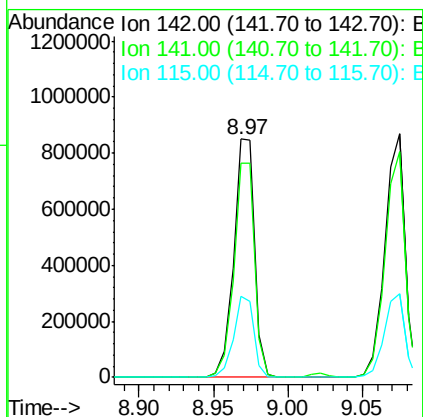
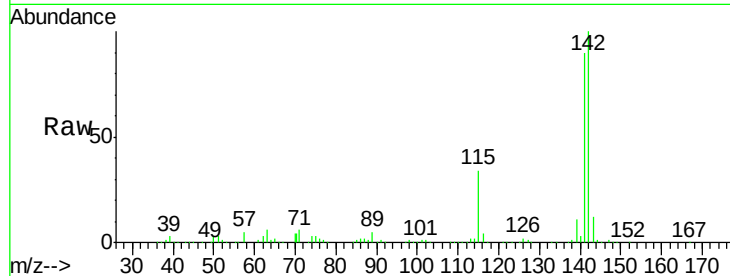
#37
2-Methylnaphthalene
Concen: 43.014 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	34.2	26.1	39.1

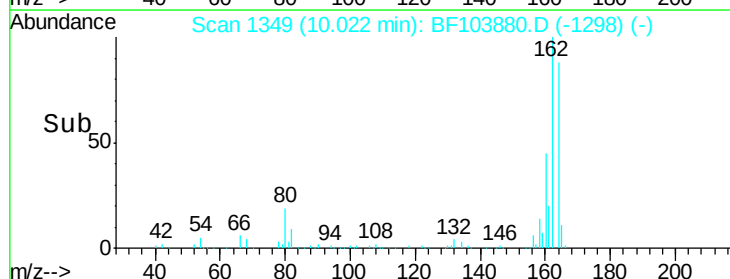
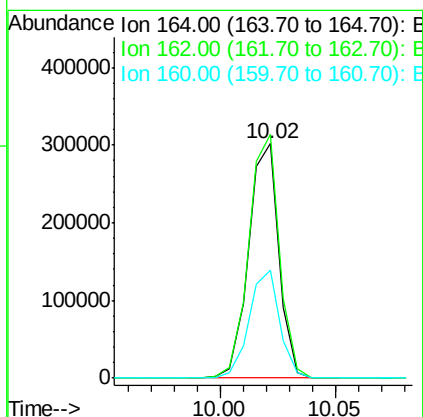
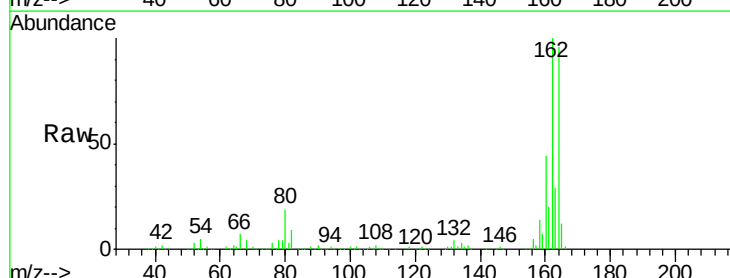
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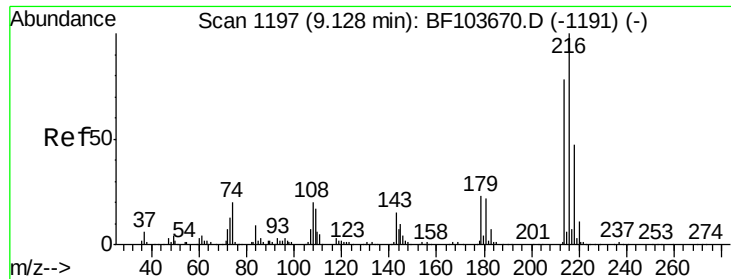
Sohil
3/26/2018 4:33:00 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.0	38.3	57.5





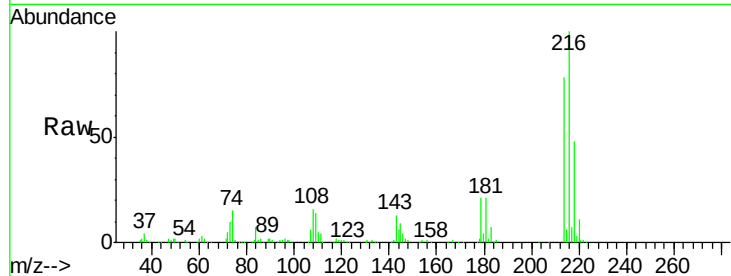
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.876 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

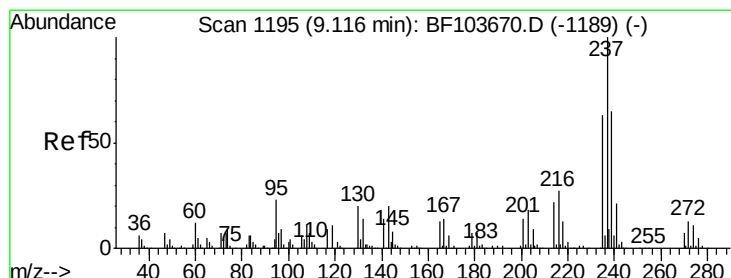
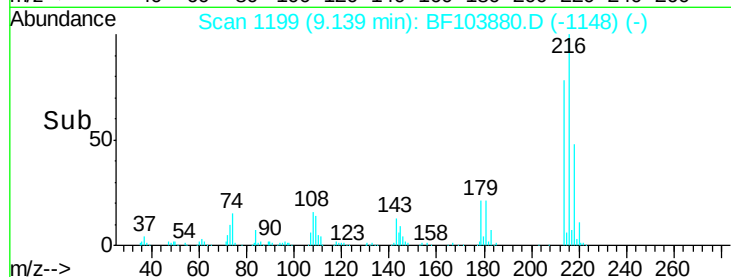
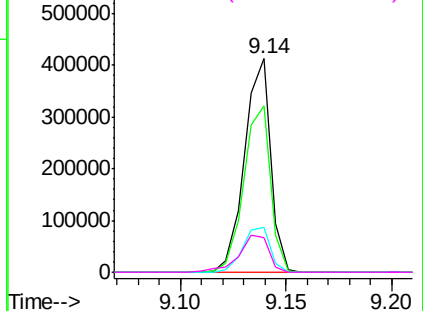
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		354516		
214	79.7		63.0	94.4	
179	22.1		18.1	27.1	
108	20.1		17.2	25.8	

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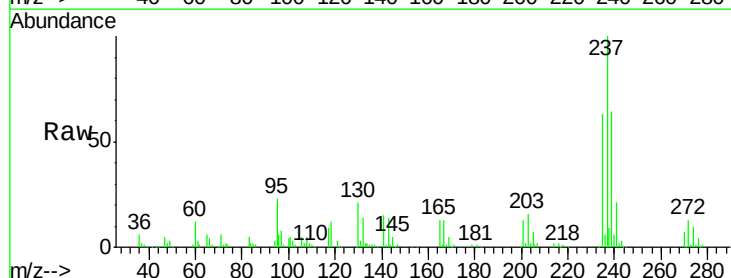


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

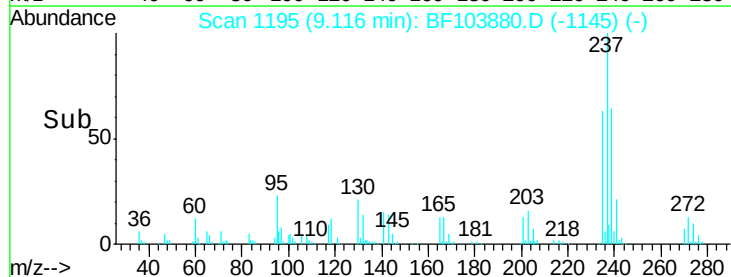
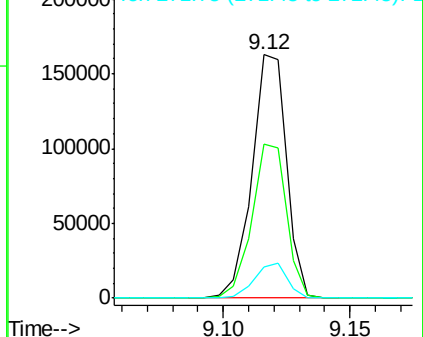


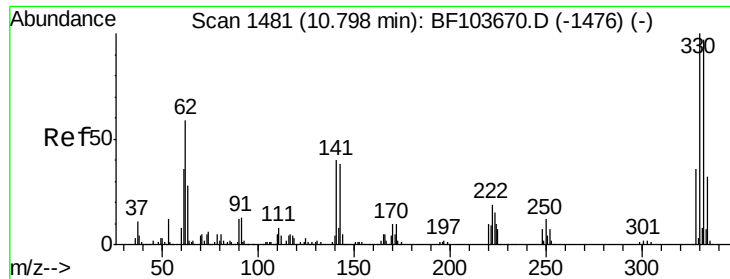
#40
 Hexachlorocyclopentadiene
 Concen: 38.014 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		154959		
235	63.4		44.8	84.8	
272	13.0		0.0	33.3	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





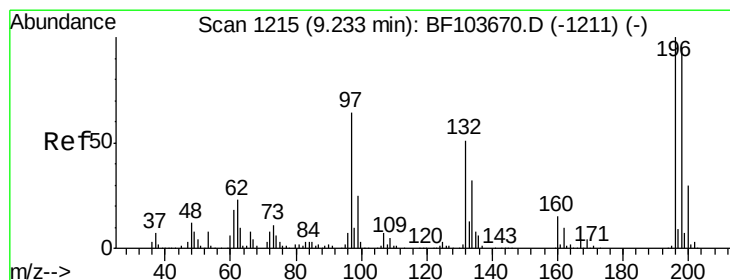
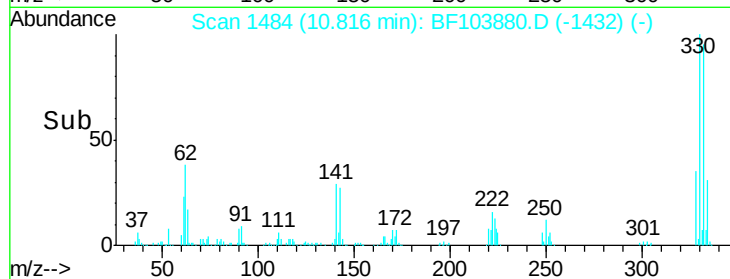
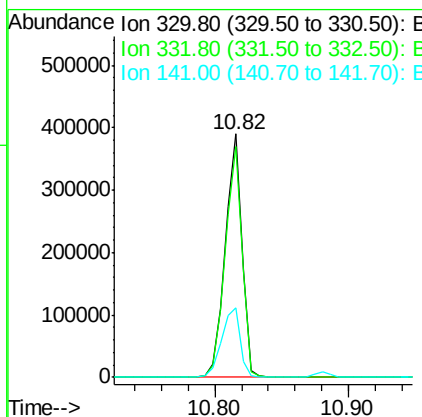
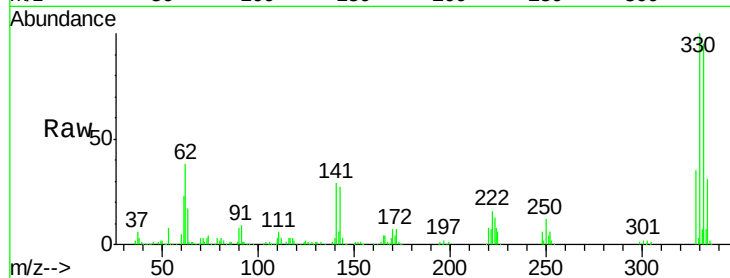
#41
 2,4,6-Tribromophenol
 Concen: 146.069 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	347773		
332	95.9	77.0	115.6	
141	31.5	29.9	44.9	

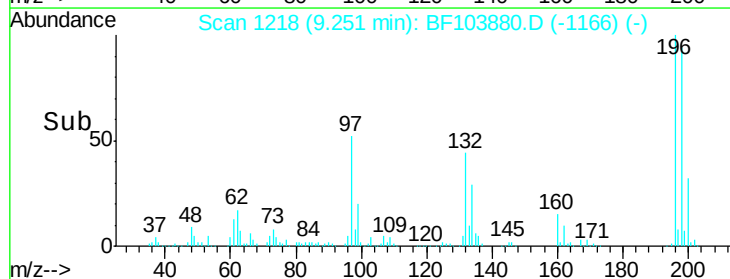
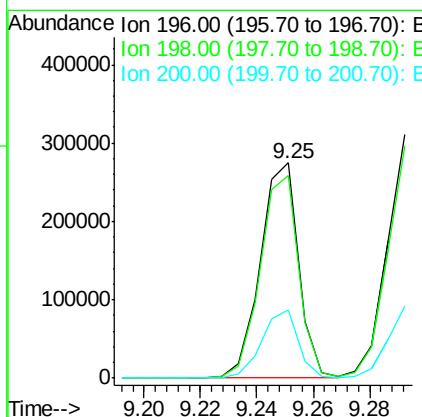
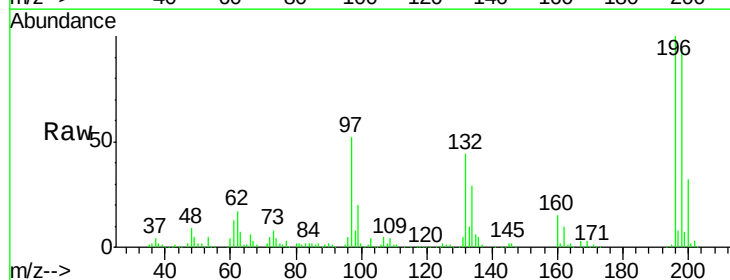
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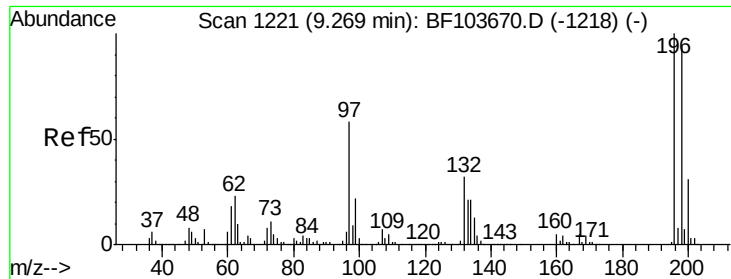
Sohil
 3/26/2018 4:33:00 PM



#42
 2,4,6-Trichlorophenol
 Concen: 51.039 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	257901		
198	94.4	75.7	113.5	
200	31.7	24.5	36.7	





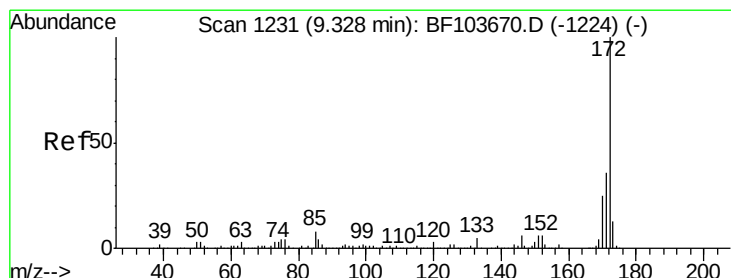
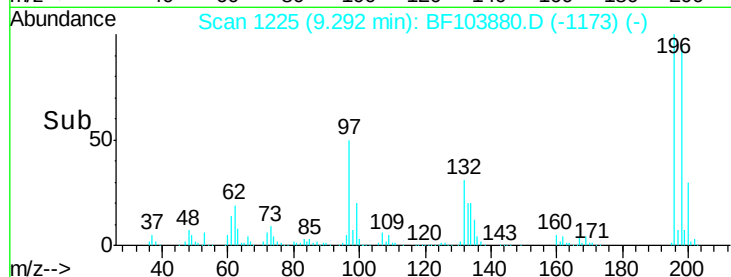
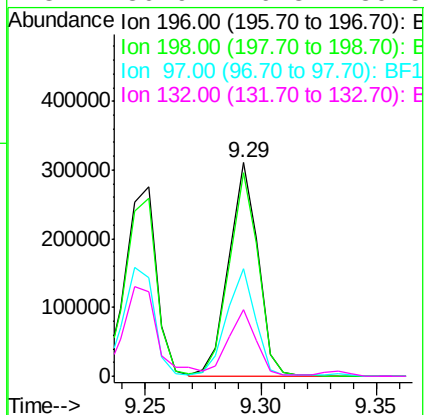
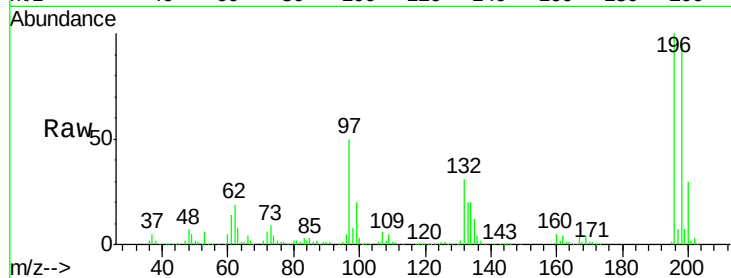
#43
 2,4,5-Trichlorophenol
 Concen: 47.938 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	273401		
198	95.2	74.6	112.0	
97	50.2	42.9	64.3	
132	30.9	26.3	39.5	

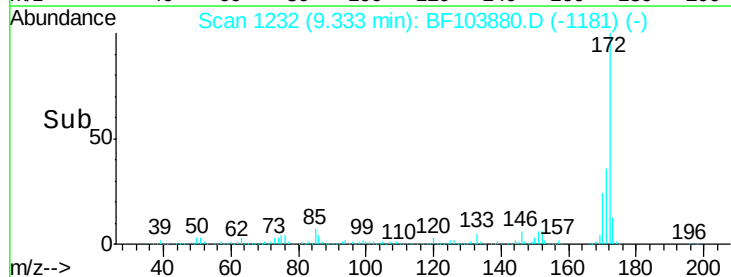
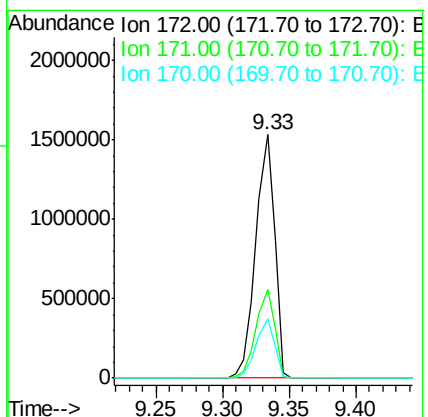
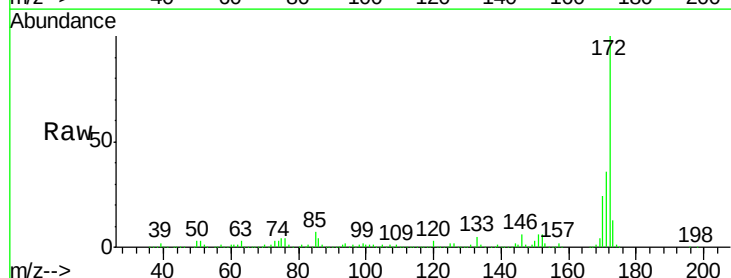
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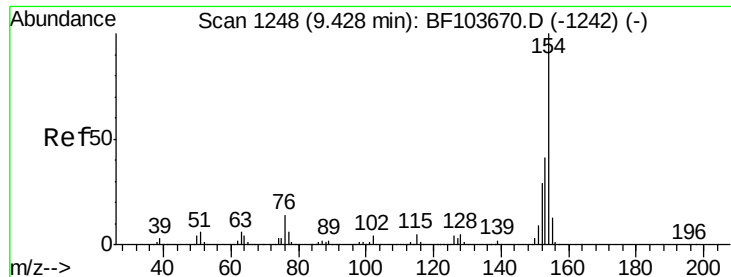
Sohil
 3/26/2018 4:33:00 PM



#44
 2-Fluorobiphenyl
 Concen: 85.270 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1480239		
171	36.3	29.7	44.5	
170	24.3	19.6	29.4	





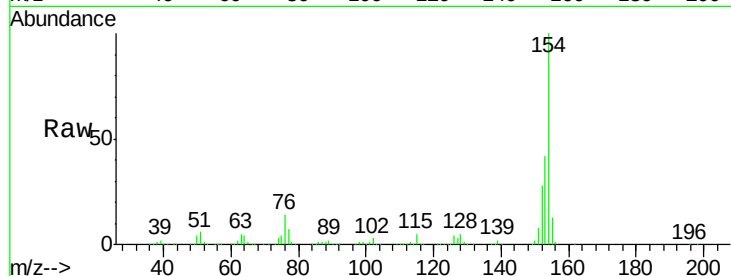
#45
 1,1'-Biphenyl
 Concen: 41.680 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

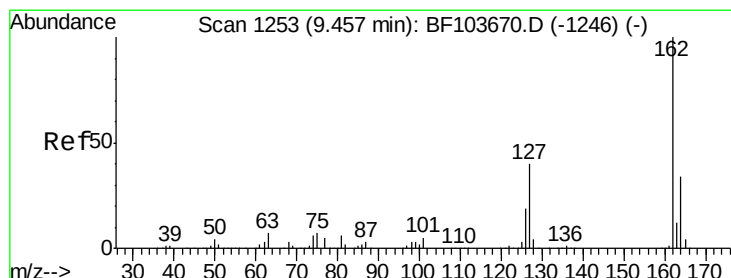
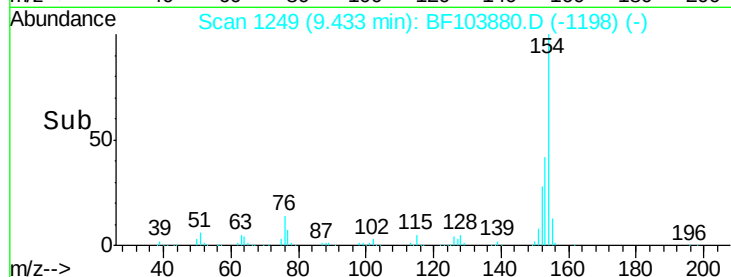
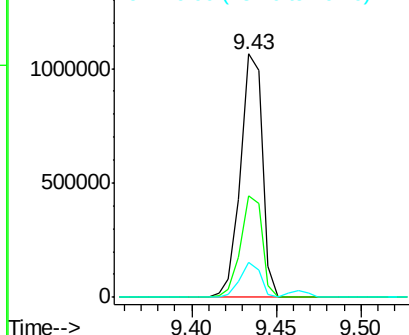
Tot Ion:	154	Resp:	962409
Ion Ratio	Lower	Upper	
154	100		
153	41.8	21.3	61.3
76	14.3	0.0	34.0

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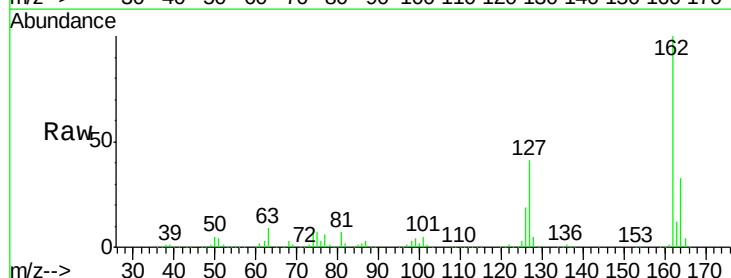


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

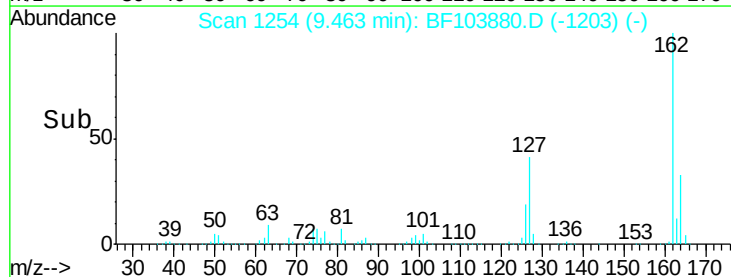
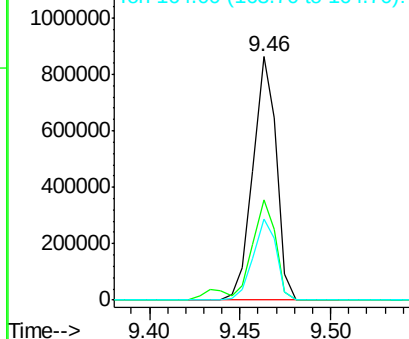


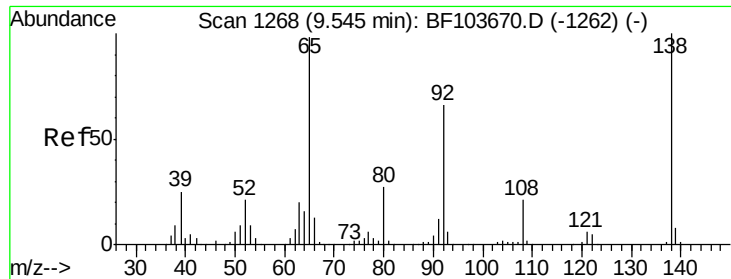
#46
 2-Chloronaphthalene
 Concen: 42.233 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion:	162	Resp:	774534
Ion Ratio	Lower	Upper	
162	100		
127	41.1	33.9	50.9
164	33.2	26.5	39.7



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





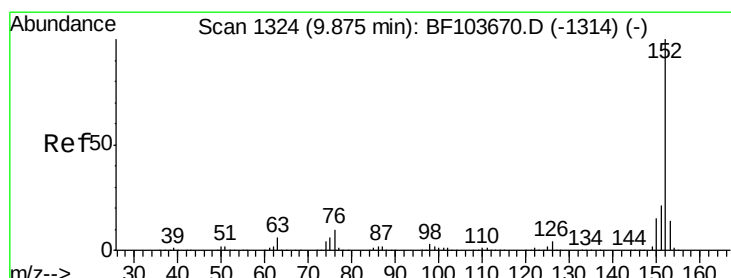
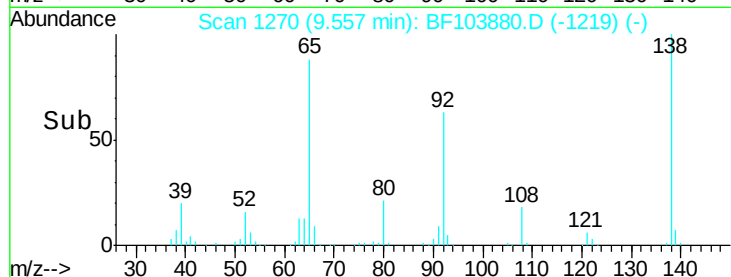
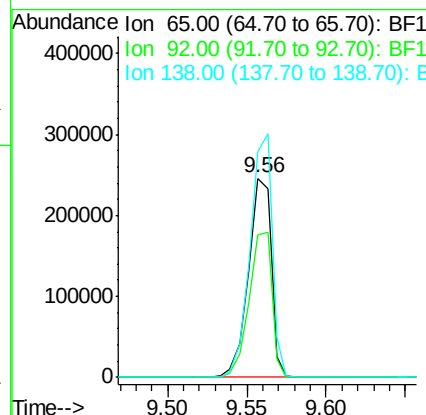
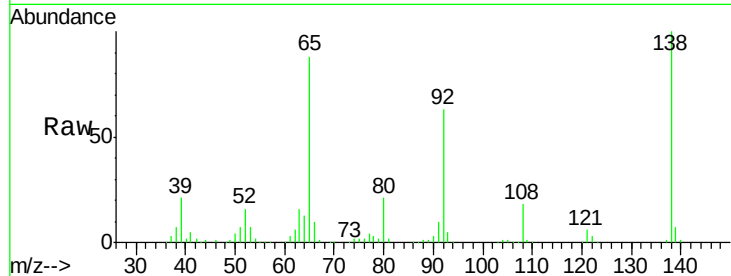
#47
 2-Nitroaniline
 Concen: 50.692 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	71.4	55.8	83.6
138	113.2	91.2	136.8

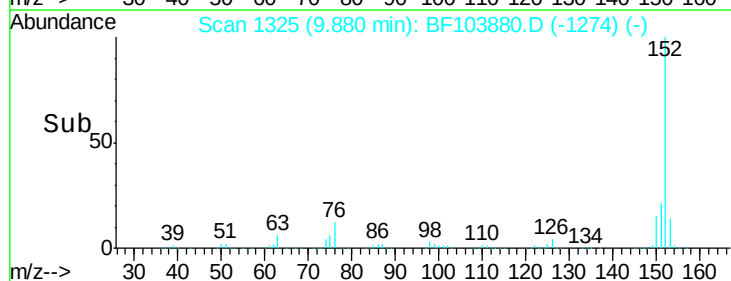
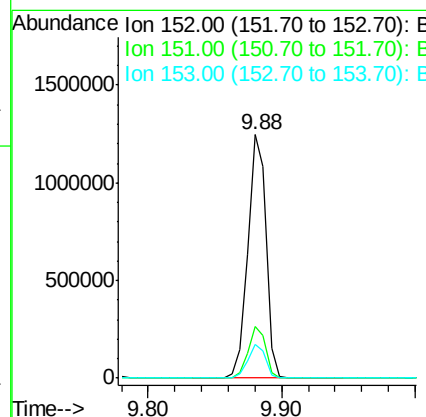
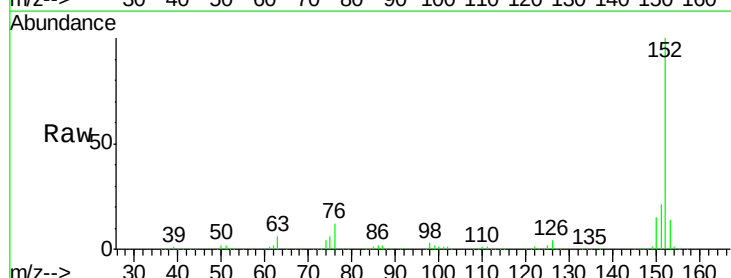
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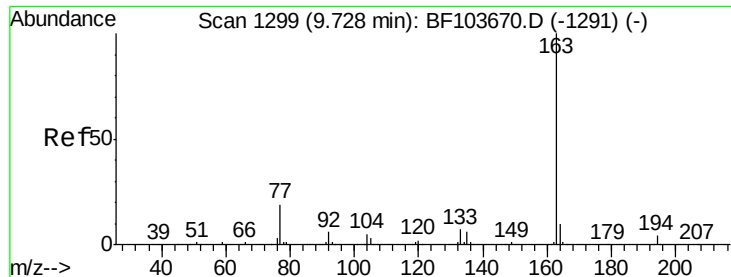
Sohil
 3/26/2018 4:33:00 PM



#48
 Acenaphthylene
 Concen: 40.873 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	13.6	10.7	16.1





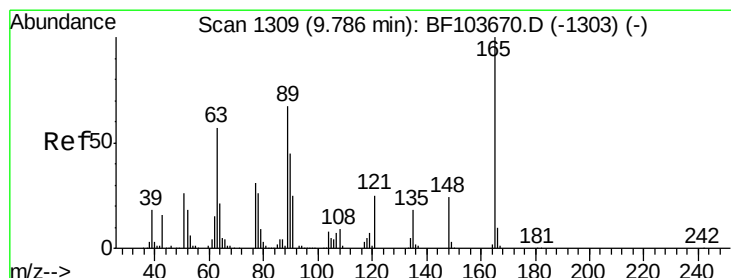
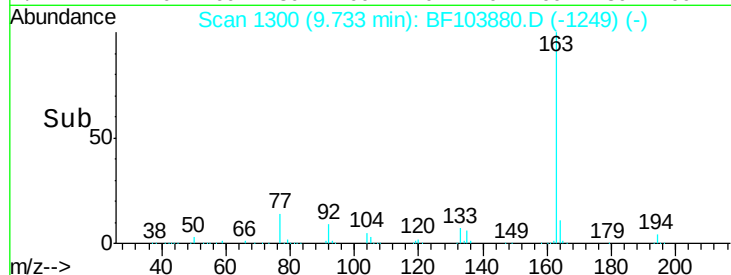
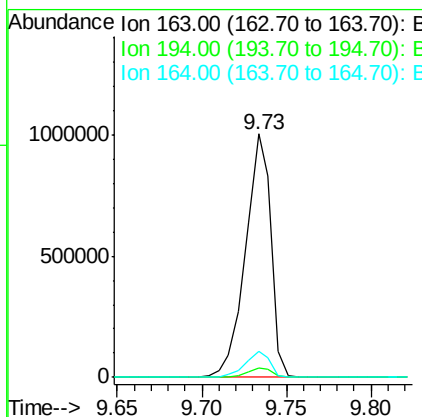
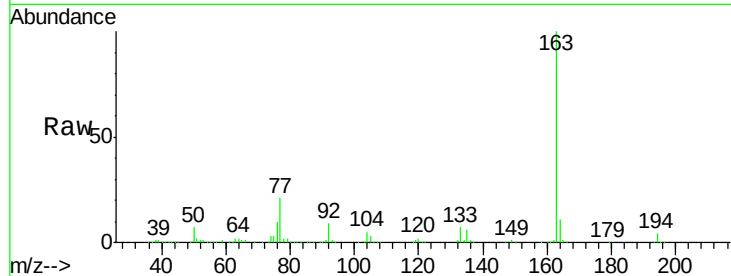
#49
Dimethylphthalate
Concen: 49.932 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.6	8.2	12.2

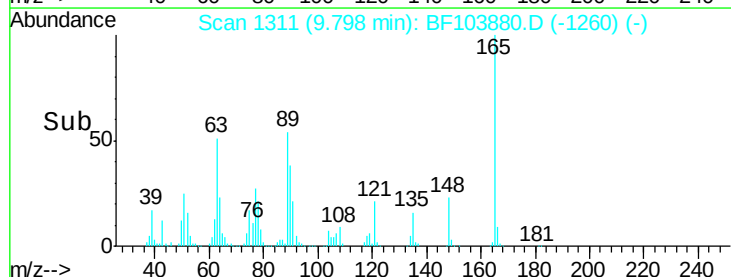
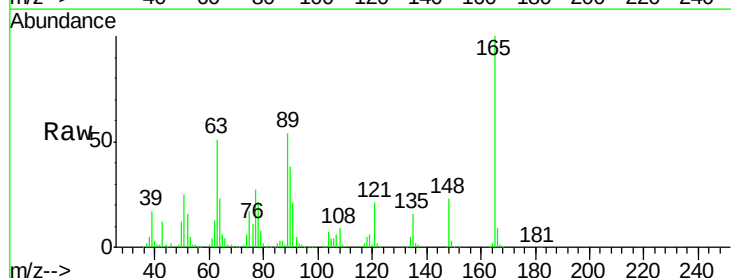
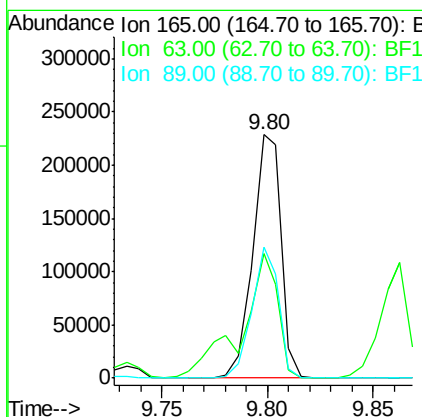
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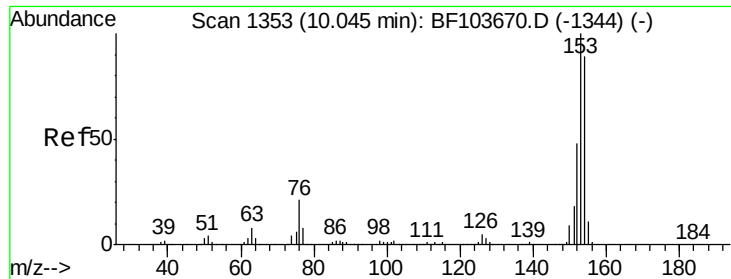
Sohil
3/26/2018 4:33:00 PM



#50
2,6-Dinitrotoluene
Concen: 51.828 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	51.1	44.7	67.1
89	54.0	44.0	66.0





#51

Acenaphthene

Concen: 42.405 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

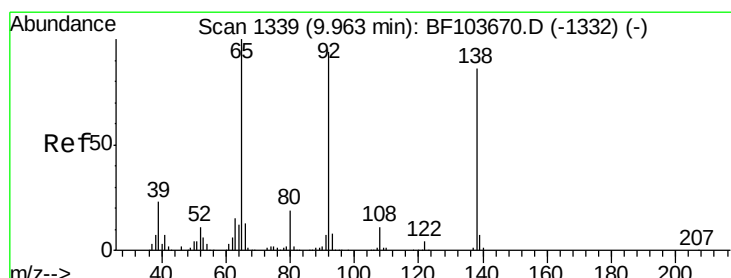
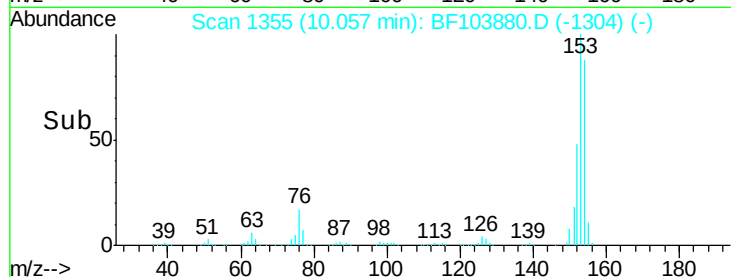
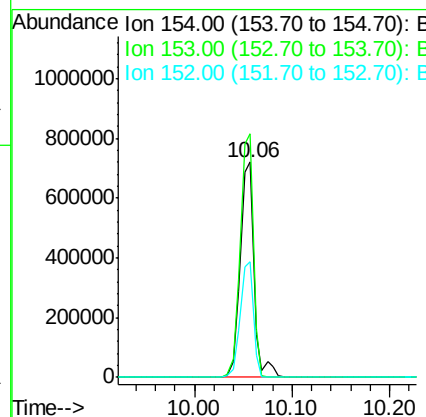
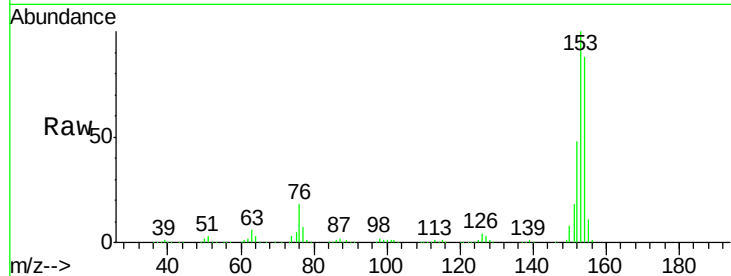
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	154	Resp:	716055
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.2	136.8
152	54.1	43.8	65.8

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3/26/2018 4:33:00 PM



#52

3-Nitroaniline

Concen: 31.943 ng

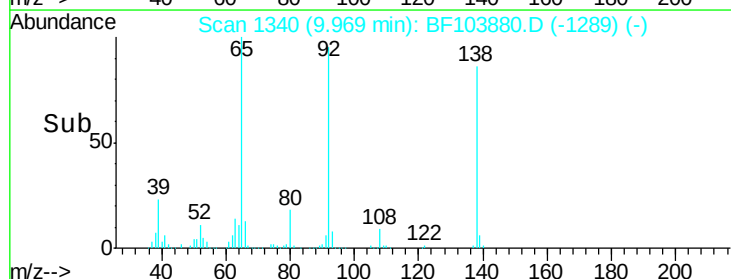
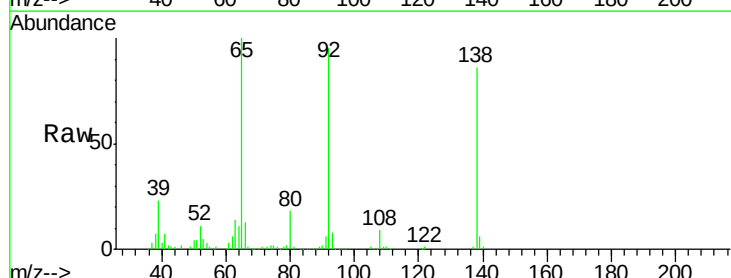
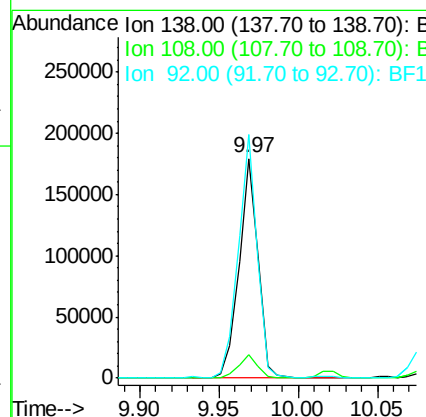
RT: 9.97 min Scan# 1340

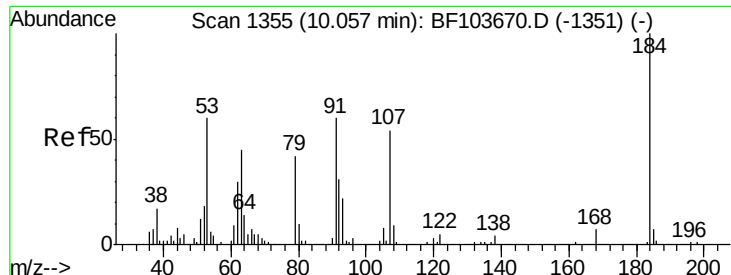
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	138	Resp:	149667
Ion Ratio	Lower	Upper	
138	100		
108	10.8	9.4	14.0
92	110.8	89.4	134.2





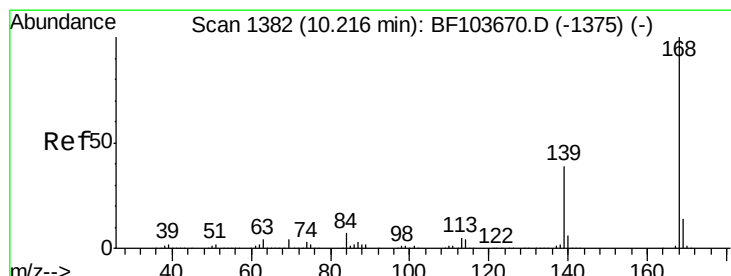
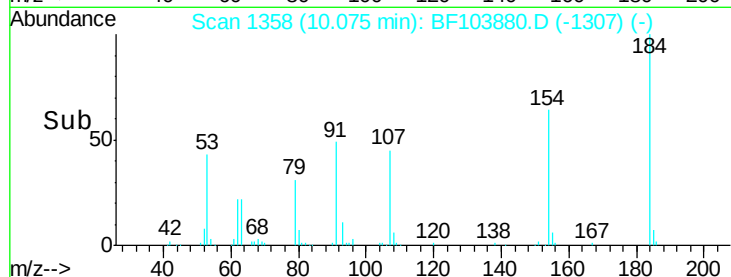
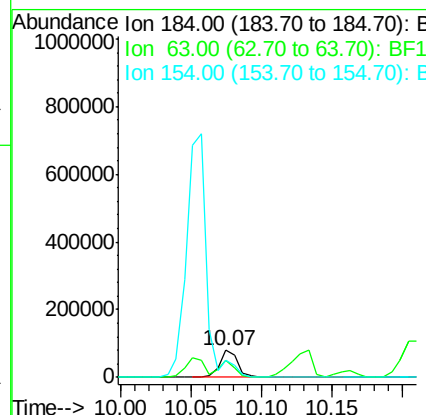
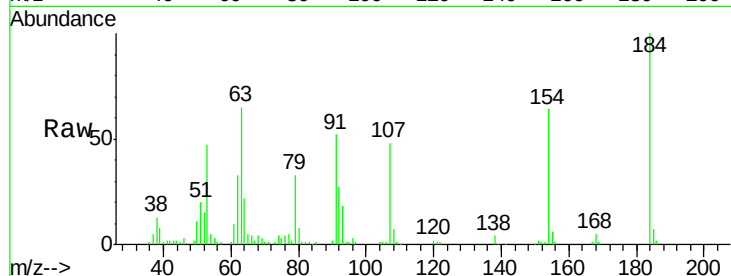
#53
2,4-Dinitrophenol
Concen: 64.959 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	65.4	54.2	81.2
154	64.5	184.0	276.0#

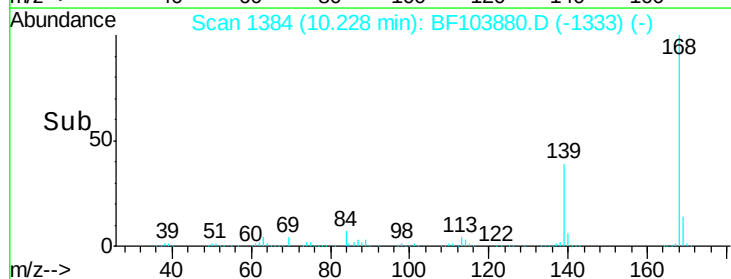
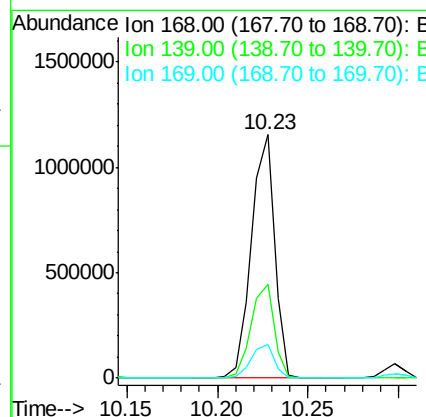
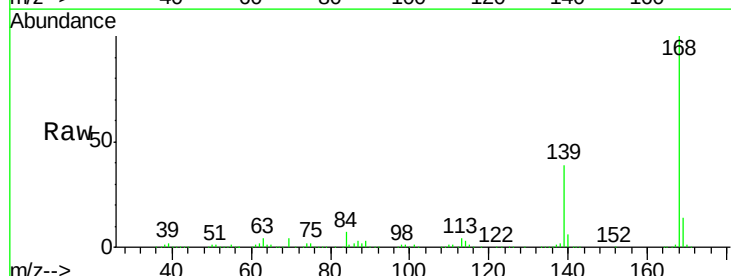
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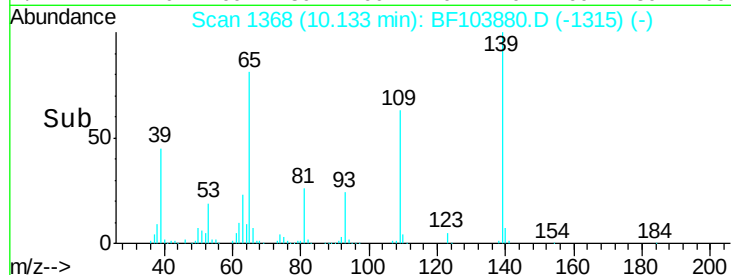
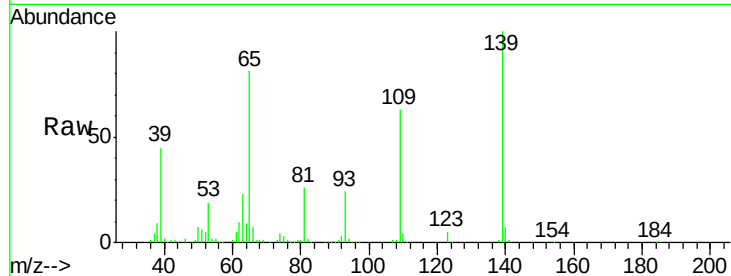
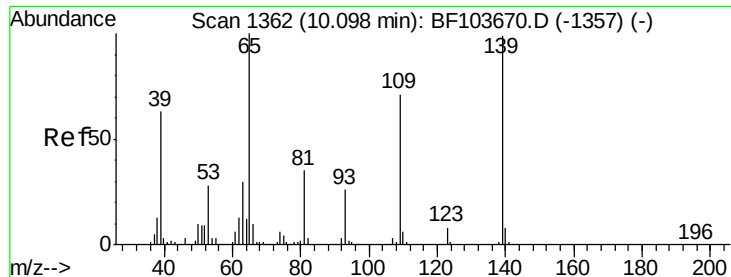
Sohil
3/26/2018 4:33:00 PM



#54
Dibenzofuran
Concen: 42.747 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.1	45.1
169	13.6	10.9	16.3





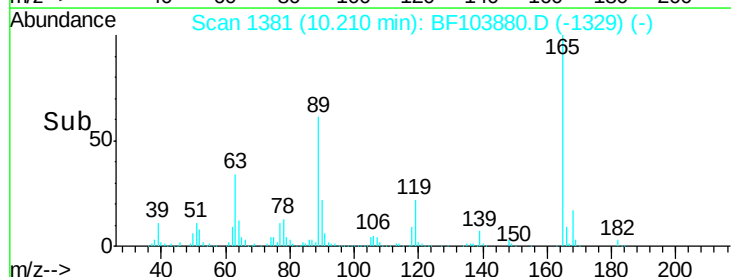
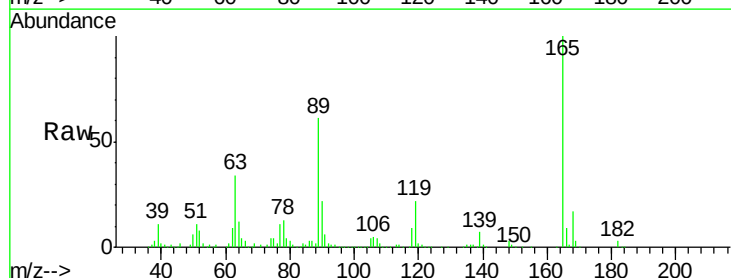
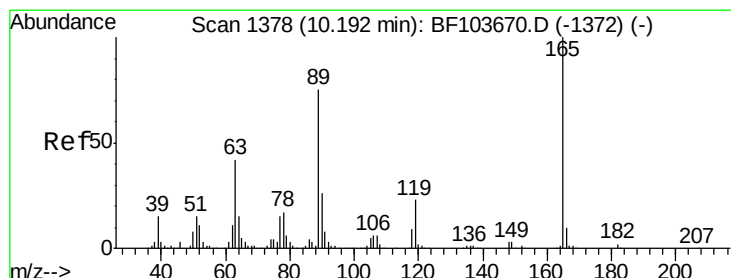
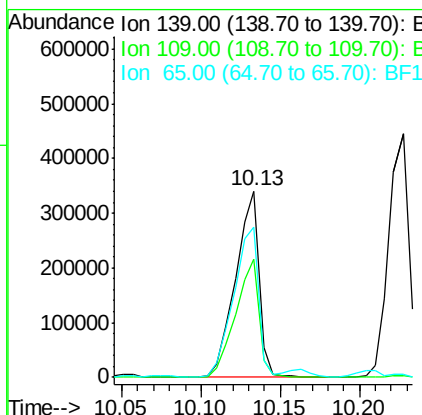
#55
4-Nitrophenol
Concen: 90.623 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	63.2	48.4	88.4
65	80.8	72.6	112.6

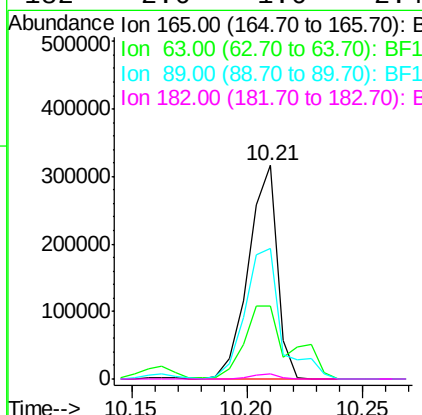
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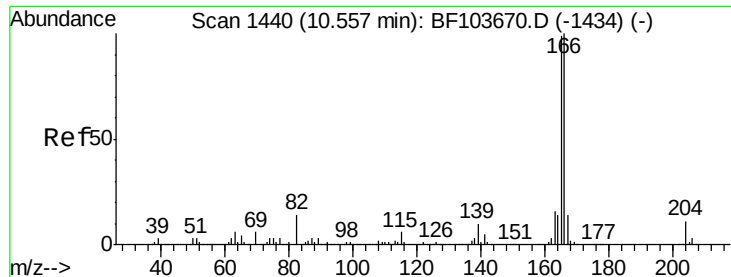
Sohil
3/26/2018 4:33:00 PM



#56
2,4-Dinitrotoluene
Concen: 52.672 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	34.0	36.4	54.6#
89	61.0	57.8	86.6
182	2.6	1.6	2.4#





#57

Fluorene

Concen: 42.926 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

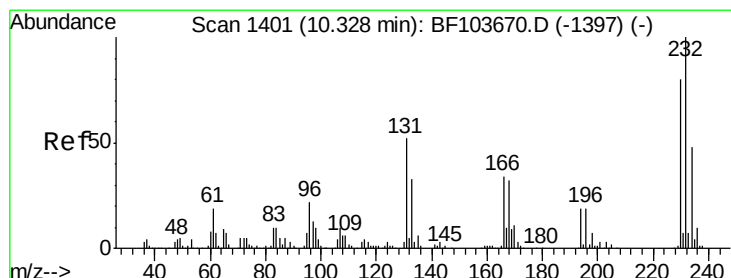
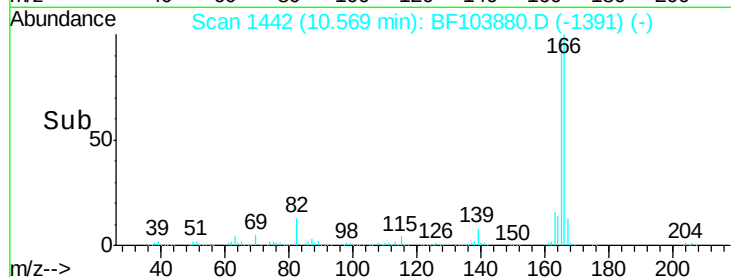
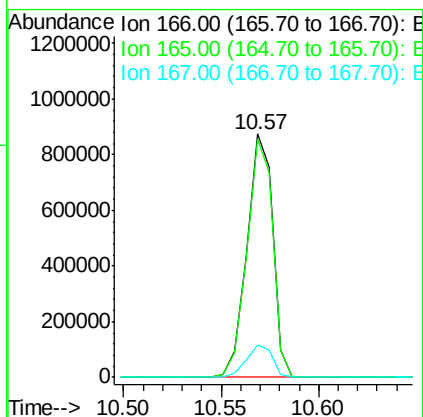
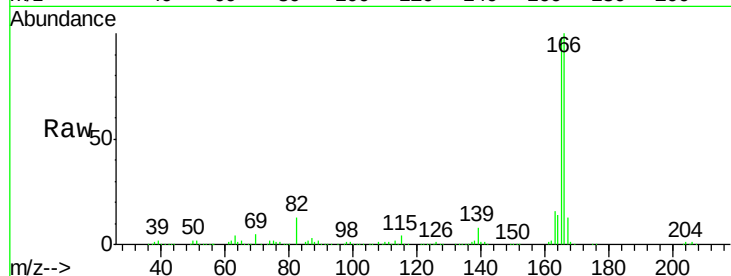
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	166	Resp:	803325
Ion Ratio	Lower	Upper	
166	100		
165	98.2	79.8	119.8
167	13.5	10.6	16.0

Manual Integrations
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3/26/2018 4:33:00 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.555 ng

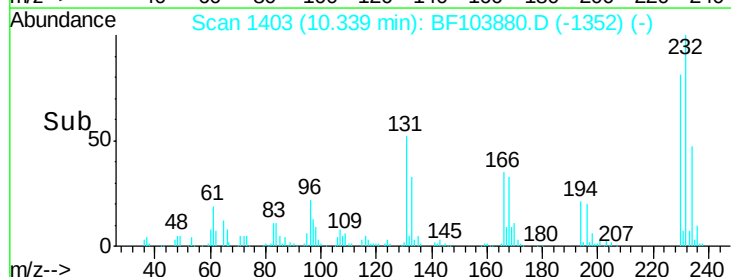
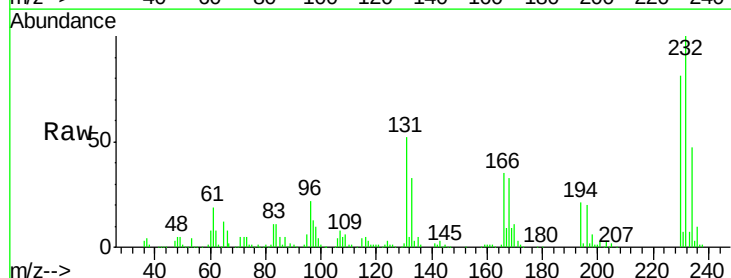
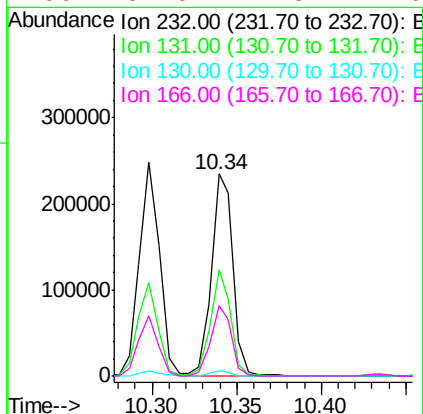
RT: 10.34 min Scan# 1403

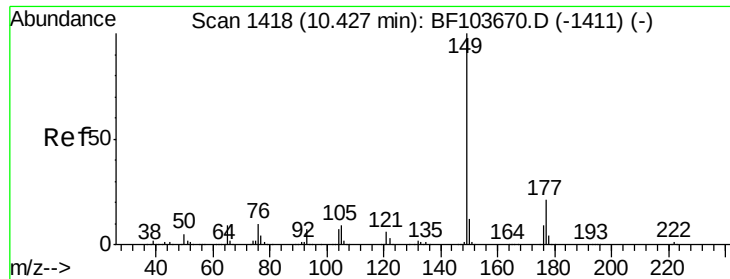
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	232	Resp:	208343
Ion Ratio	Lower	Upper	
232	100		
131	48.6	43.8	65.8
130	2.4	2.1	3.1
166	34.0	27.8	41.6





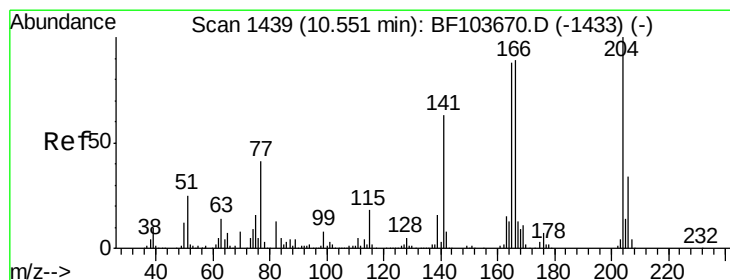
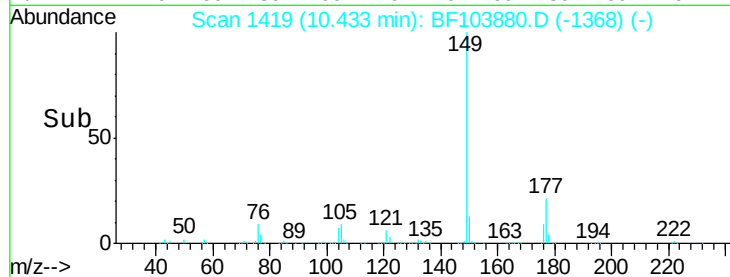
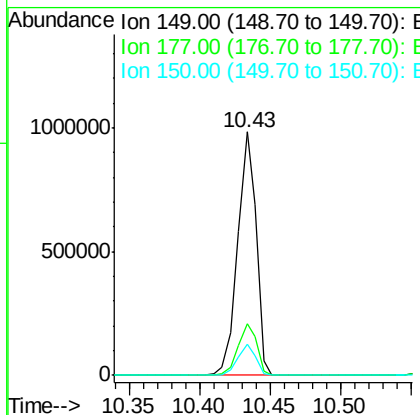
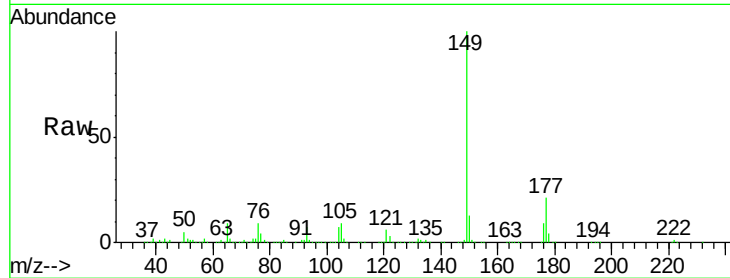
#59
Diethylphthalate
Concen: 42.601 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.3	16.1	24.1
150	12.5	10.1	15.1

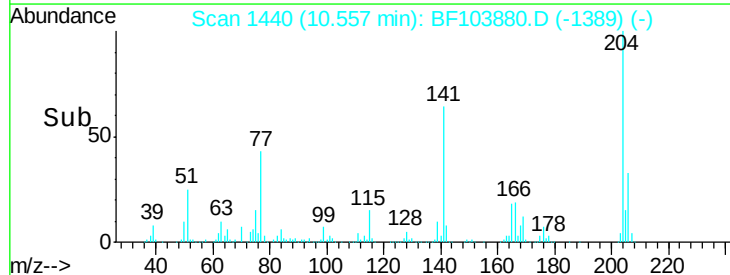
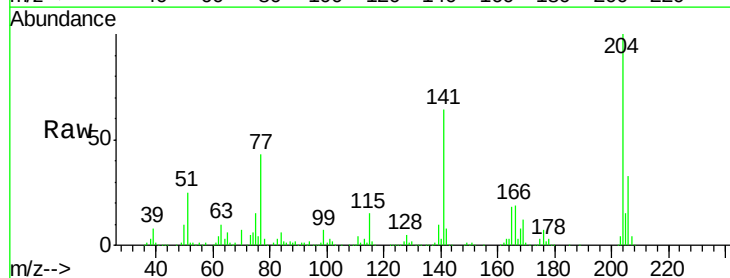
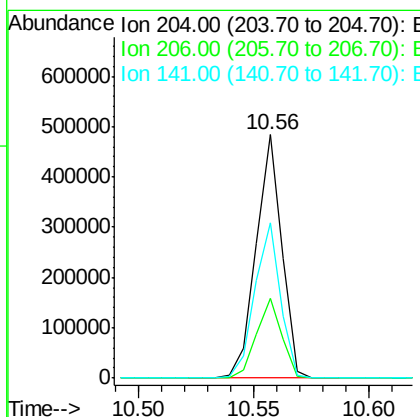
Manual Integrations
APPROVED

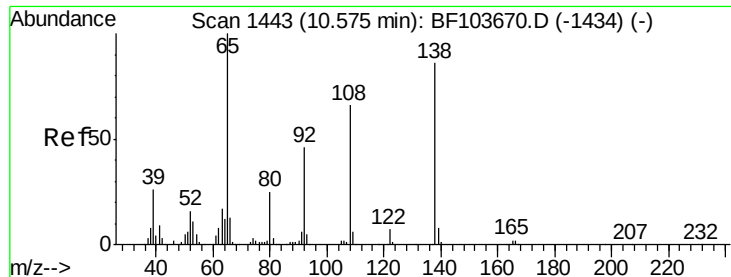
Sohil
3/26/2018 4:33:00 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.020 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	63.5	54.6	81.8





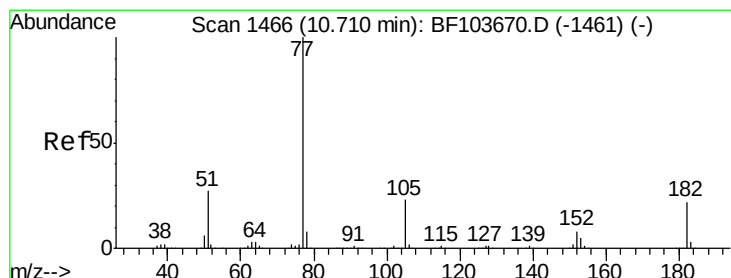
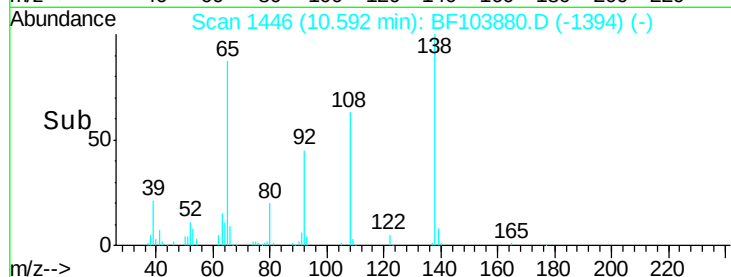
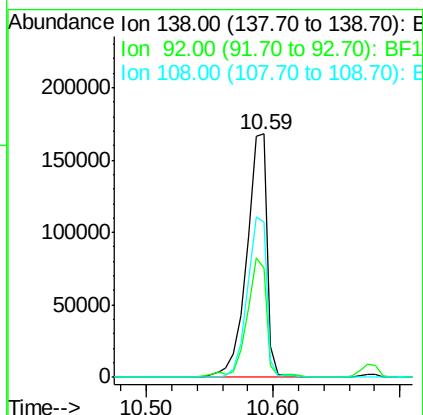
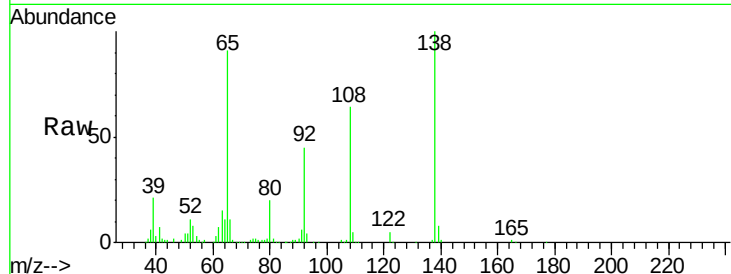
#61
4-Nitroaniline
Concen: 40.396 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	45.1	30.2	70.2
108	63.9	52.5	92.5

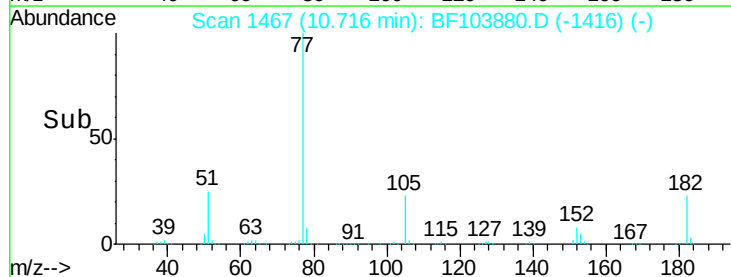
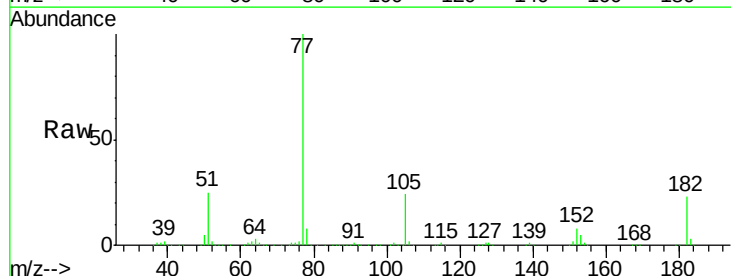
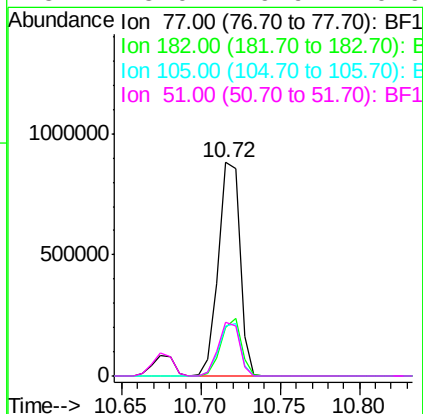
Manual Integrations
APPROVED

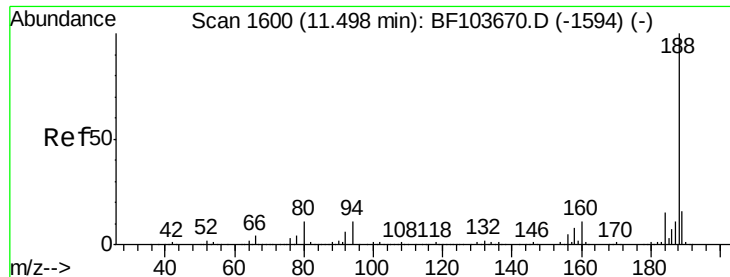
Sohil
3/26/2018 4:33:00 PM



#62
Azobenzene
Concen: 39.091 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.8	1.7	41.7
105	23.6	3.0	43.0
51	25.0	9.9	49.9





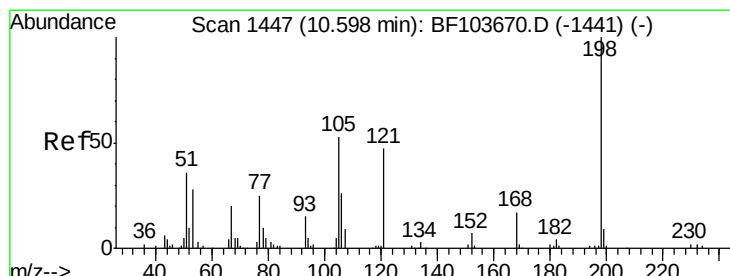
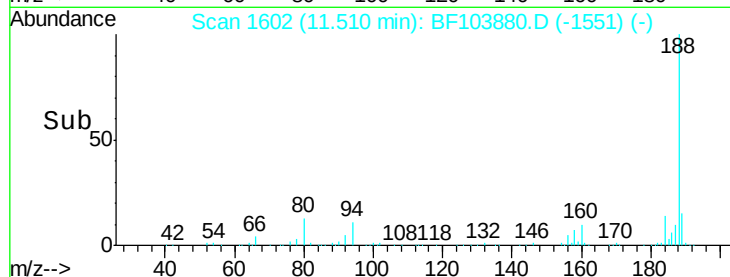
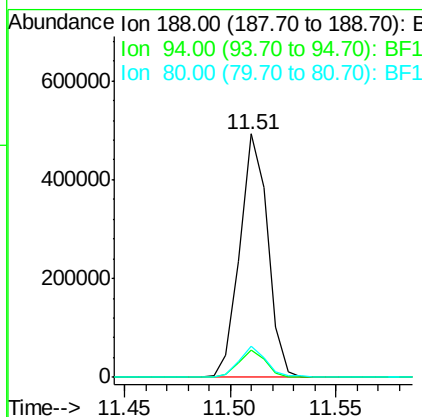
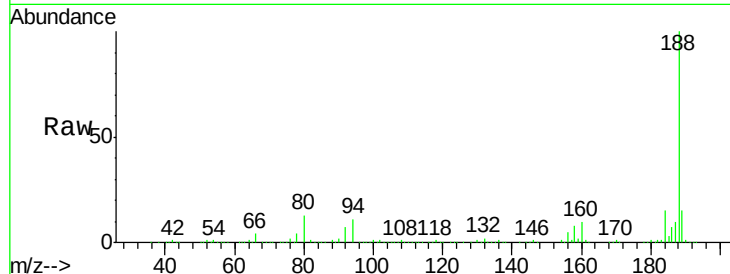
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	449629		
94	11.4		8.5	12.7
80	12.9		9.2	13.8

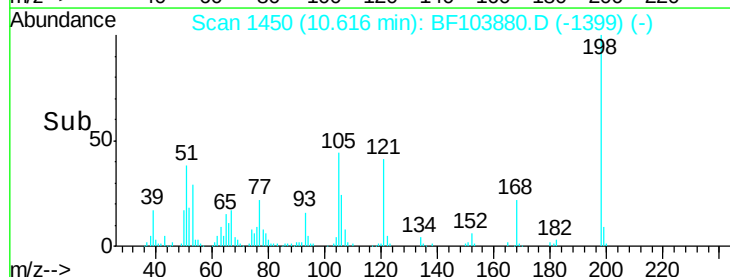
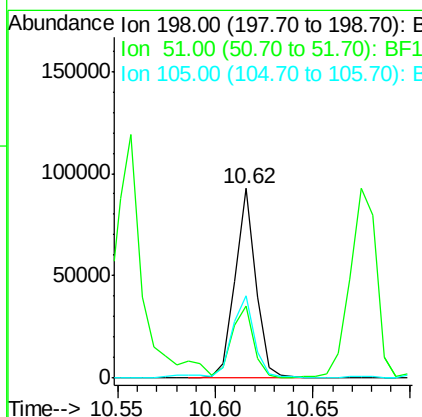
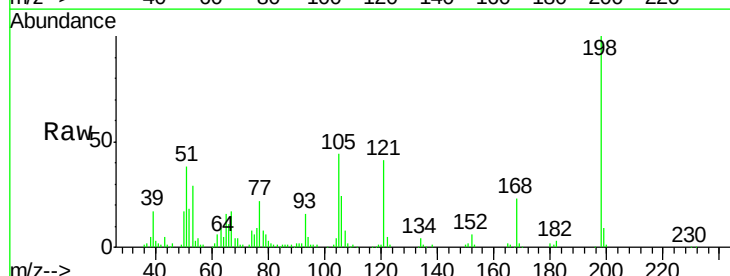
Manual Integrations
 APPROVED

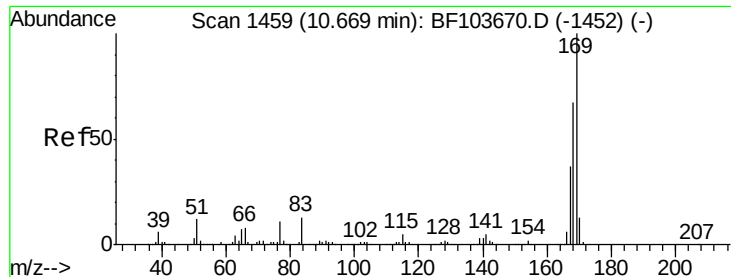
Sohil
 3/26/2018 4:33:00 PM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 43.675 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	68809		
51	38.0		37.7	77.7
105	43.6		36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 47.373 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

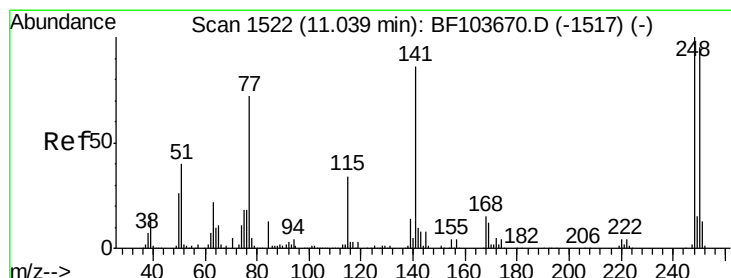
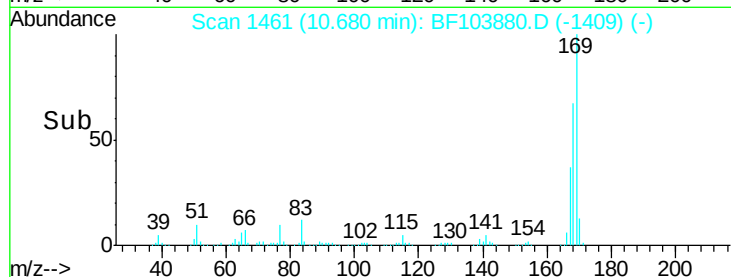
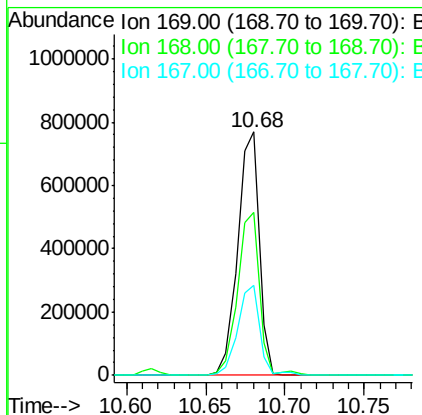
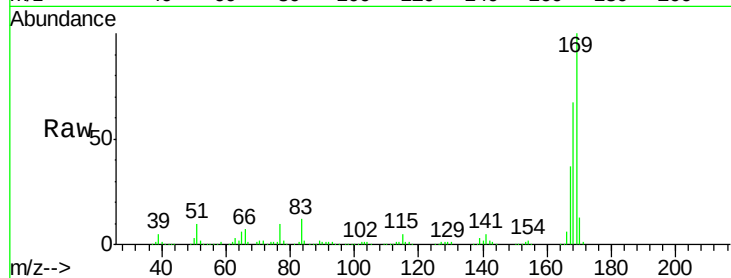
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	169	Resp:	725026
Ion Ratio	Lower	Upper	
169	100		
168	66.9	54.4	81.6
167	37.1	29.8	44.6

Manual Integrations
APPROVED

Sohil
3/26/2018 4:33:00 PM



#66

4-Bromophenyl-phenylether

Concen: 48.922 ng

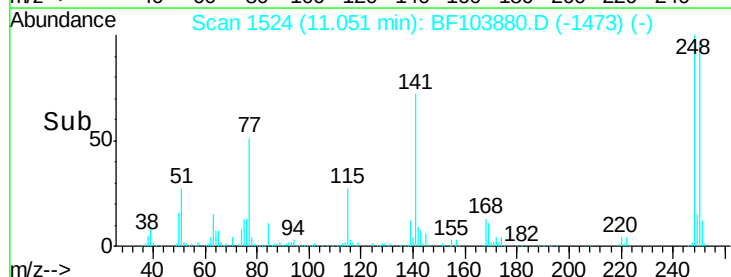
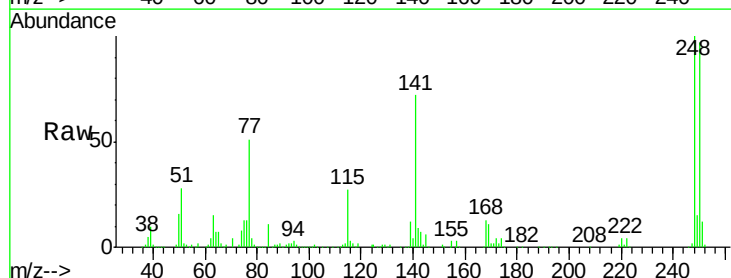
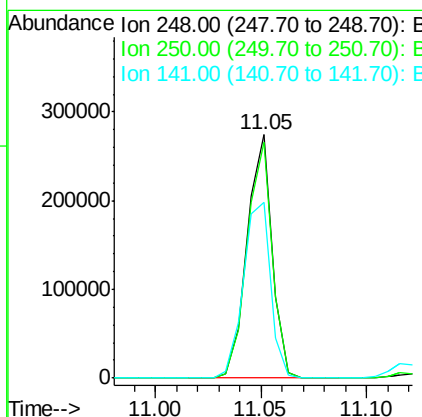
RT: 11.05 min Scan# 1524

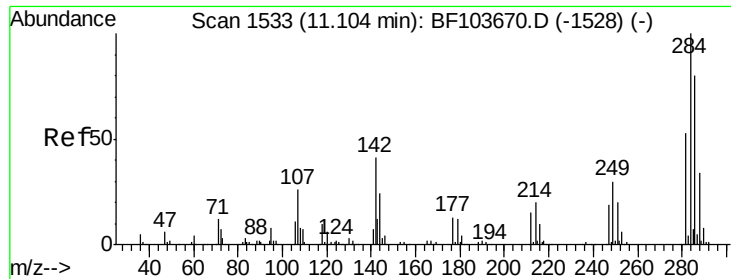
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	248	Resp:	225850
Ion Ratio	Lower	Upper	
248	100		
250	97.0	76.9	115.3
141	71.9	74.4	111.6#





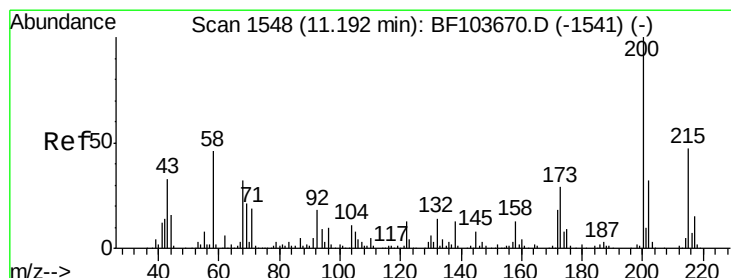
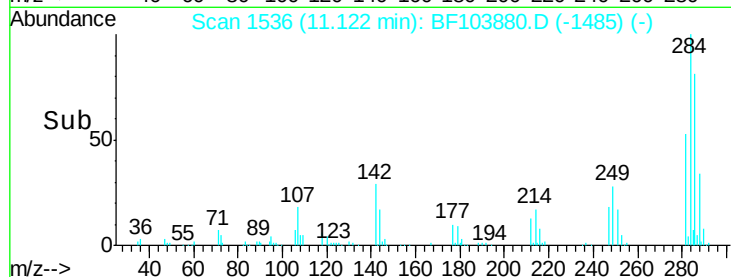
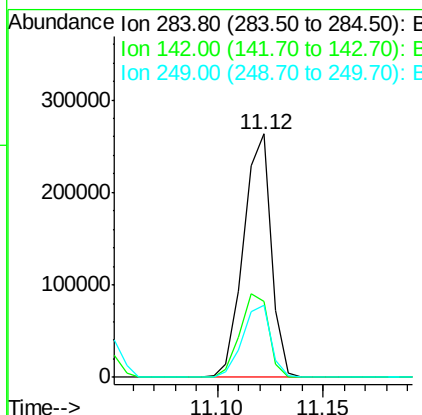
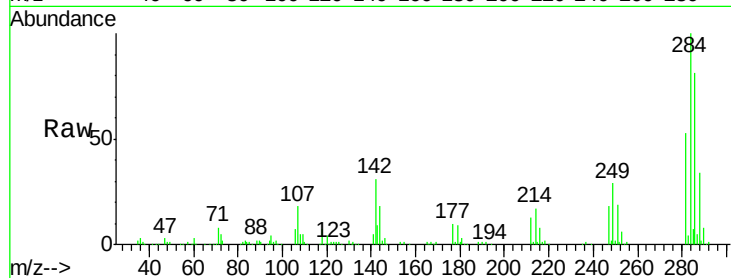
#67
Hexachlorobenzene
Concen: 45.445 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	239452		
142	30.9	34.6	52.0#	
249	29.4	24.8	37.2	

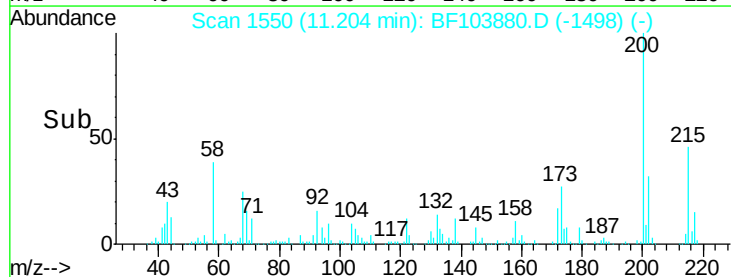
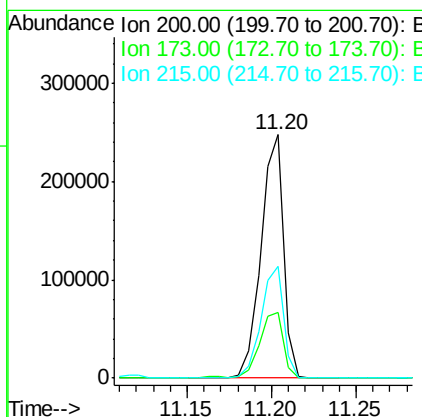
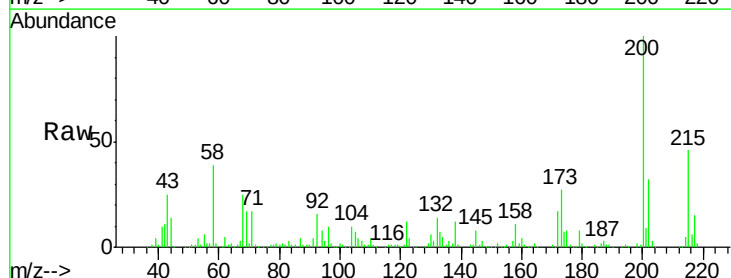
Manual Integrations
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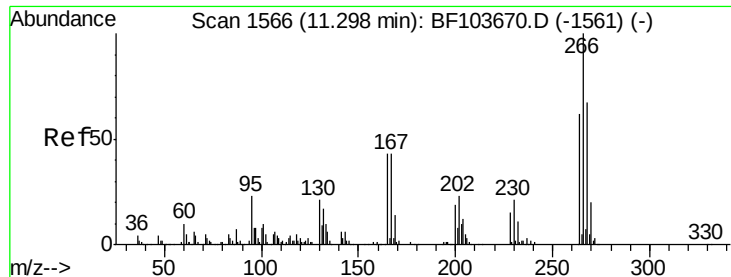
Sohil
3/26/2018 4:33:00 PM



#68
Atrazine
Concen: 48.251 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	228438		
173	27.2	8.6	48.6	
215	45.9	25.1	65.1	





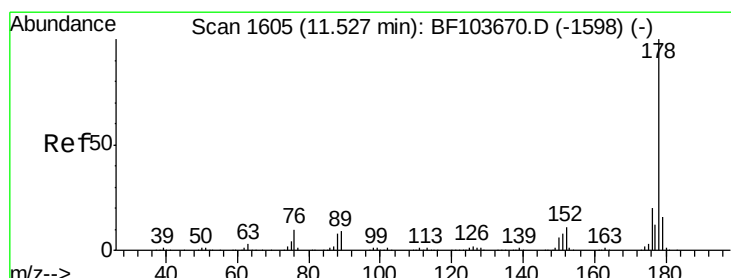
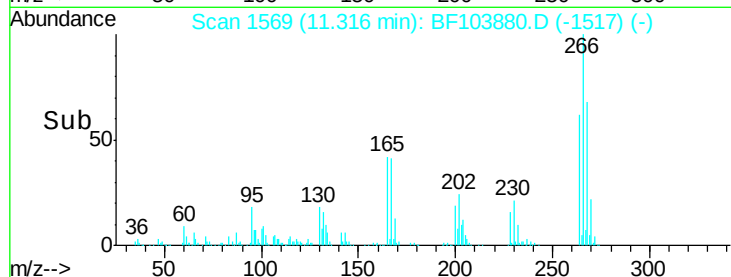
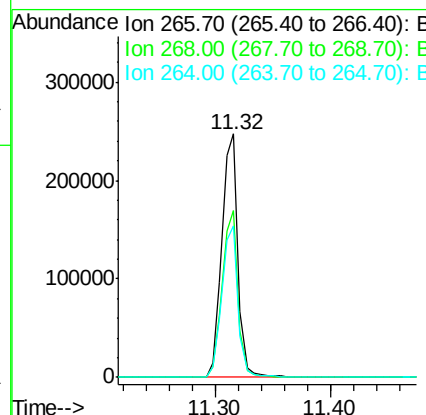
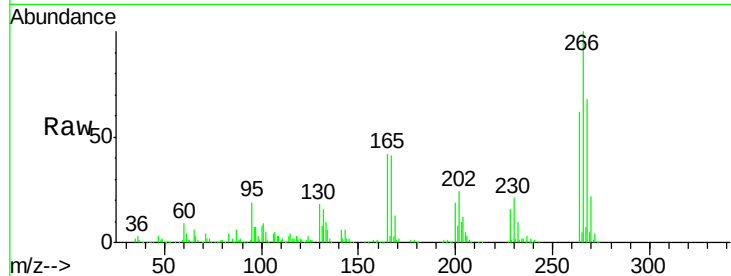
#69
 Pentachlorophenol
 Concen: 79.297 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	68.3	51.1	76.7
264	62.4	49.5	74.3

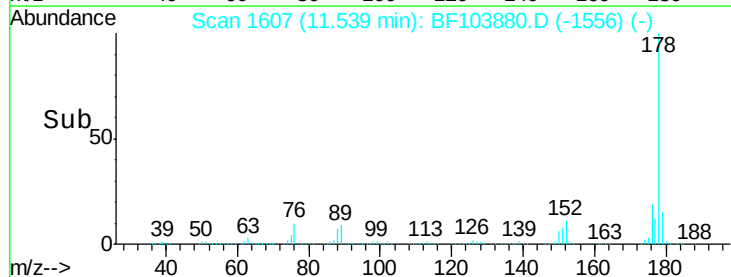
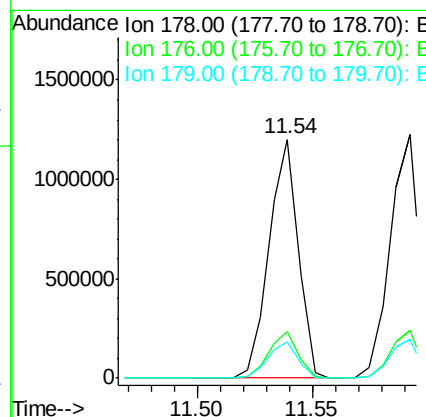
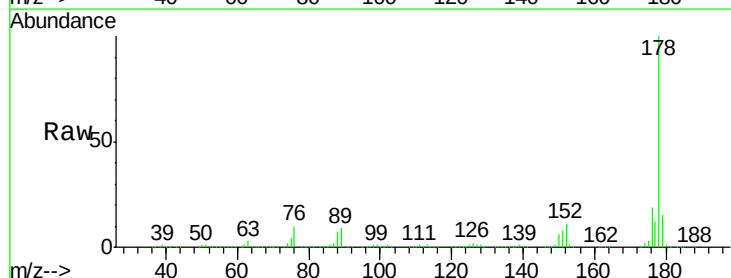
Manual Integrations
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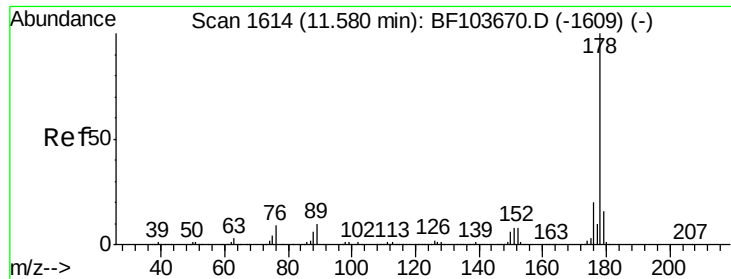
Sohil
 3/26/2018 4:33:00 PM



#70
 Phenanthrene
 Concen: 42.966 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6





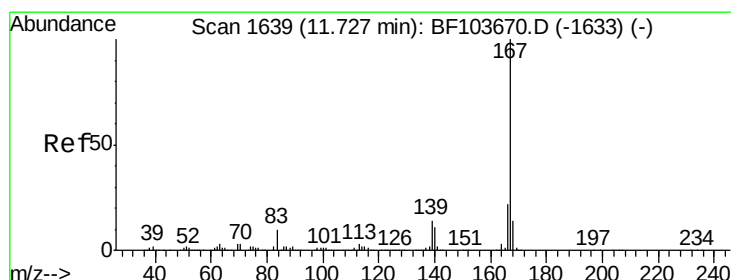
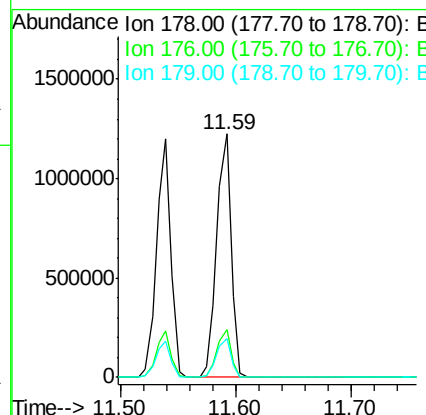
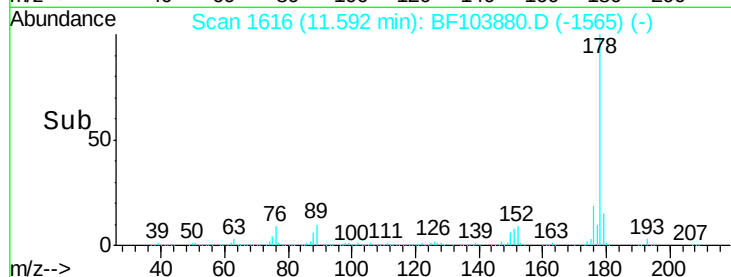
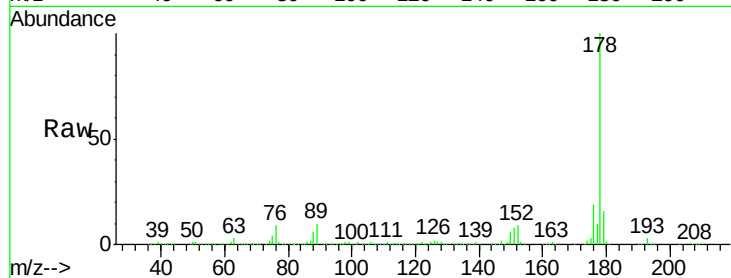
#71
 Anthracene
 Concen: 43.163 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion:178 Resp: 1078240
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.7 12.6 19.0

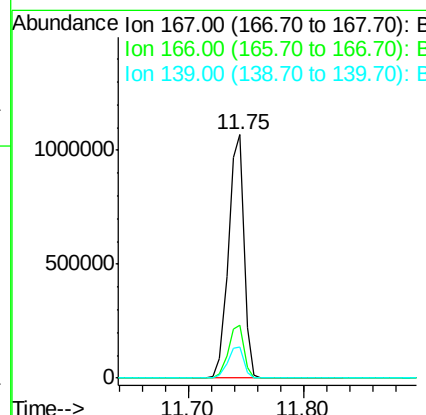
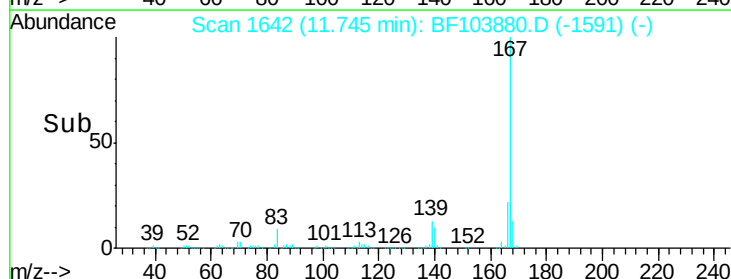
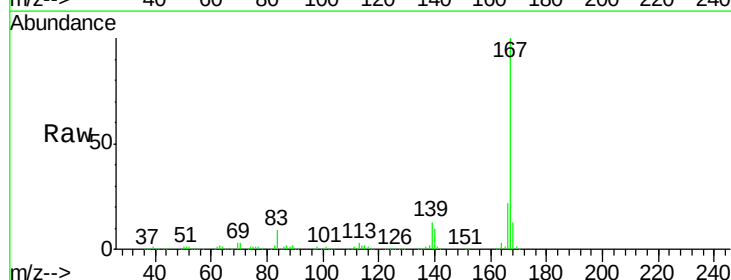
Manual Integrations
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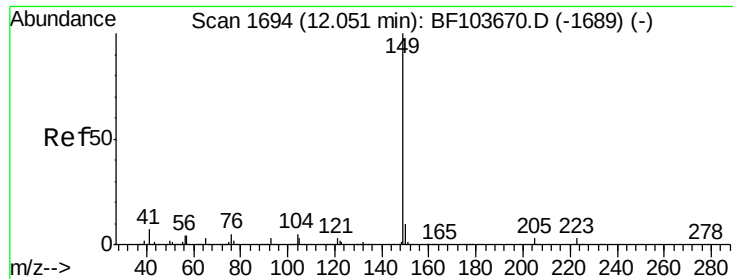
Sohil
 3/26/2018 4:33:00 PM



#72
 Carbazole
 Concen: 41.055 ng
 RT: 11.75 min Scan# 1642
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion:167 Resp: 996838
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.6 26.4
 139 12.8 10.9 16.3





#73

Di-n-butylphthalate

Concen: 44.778 ng

RT: 12.06 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

ClientSampleId :

SB-109(15-16)MSD

Tot Ion:149 Resp: 1304528

Ion Ratio Lower Upper

149 100

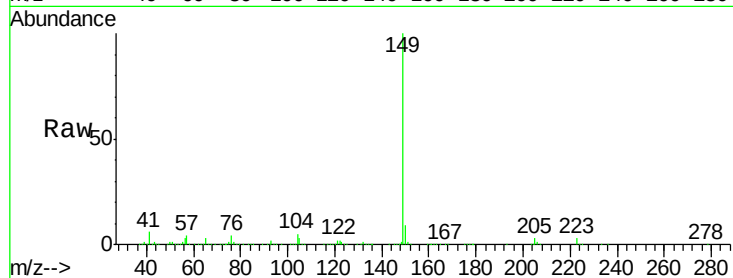
150 9.3 7.8 11.6

104 4.5 3.8 5.8

Manual Integrations
APPROVED

Sohil

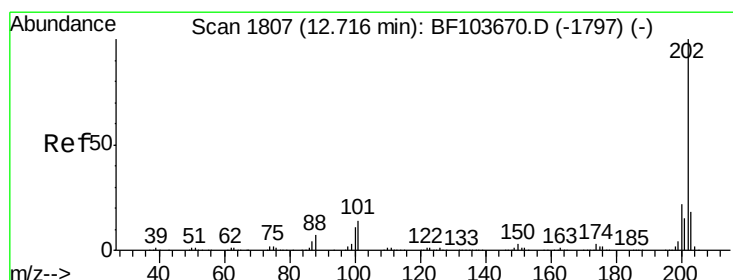
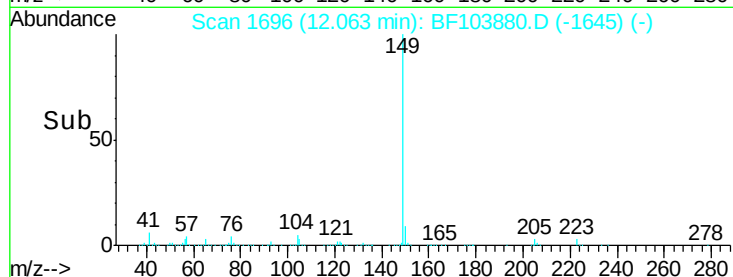
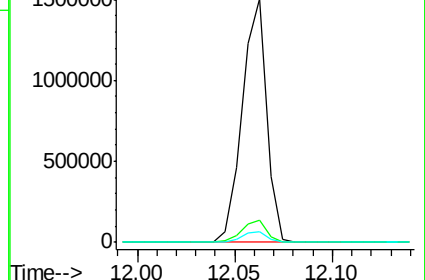
3/26/2018 4:33:00 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 37.357 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

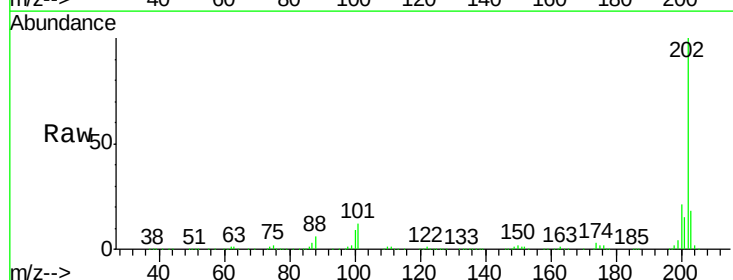
Tgt Ion:202 Resp: 946610

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

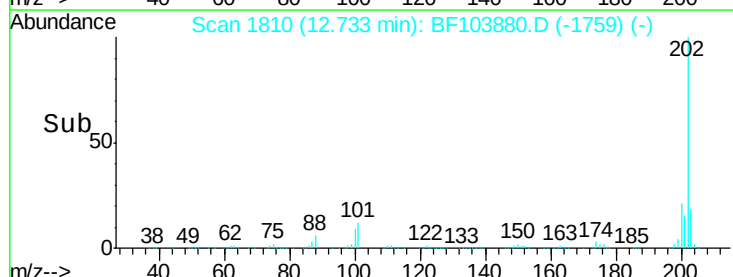
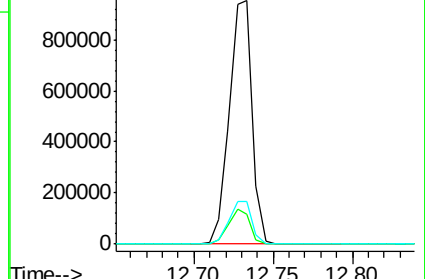
203 17.5 0.0 38.1

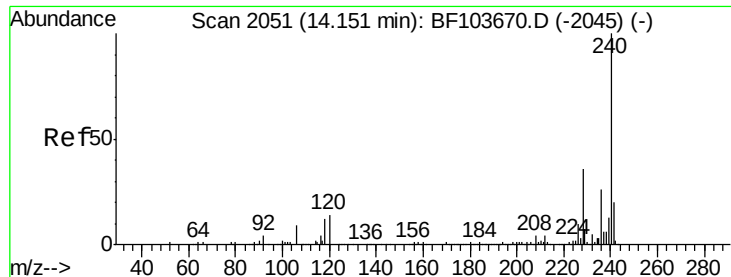


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

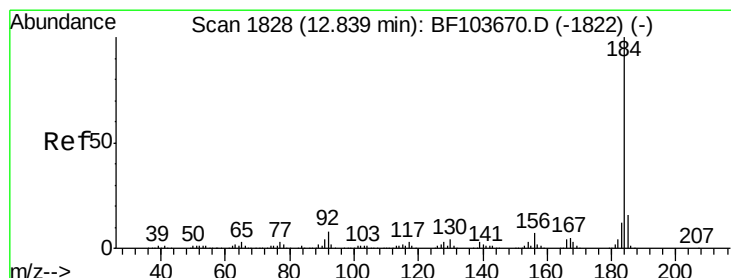
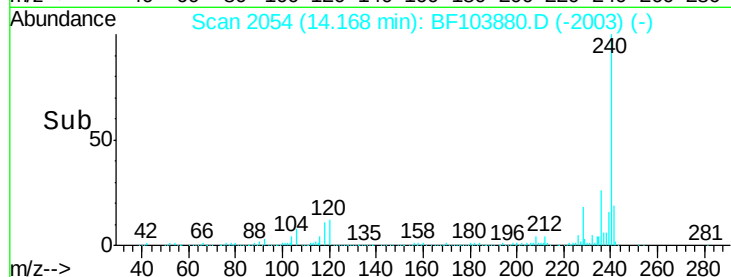
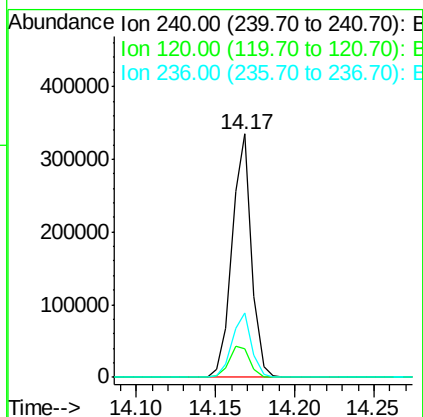
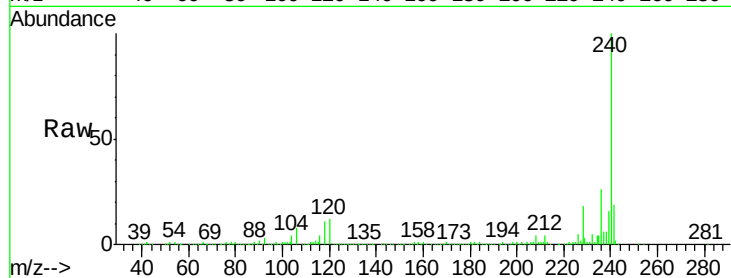
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	240	Resp:	282307
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	26.4	20.7	31.1

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#76

Benzidine

Concen: 44.496 ng

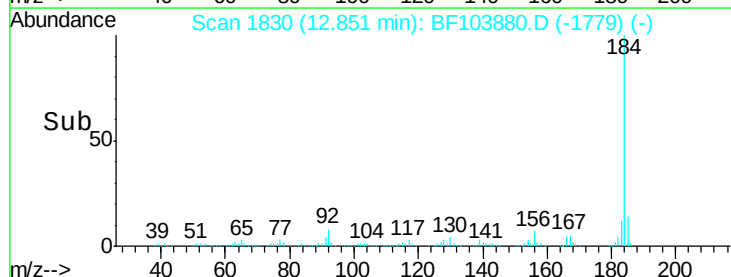
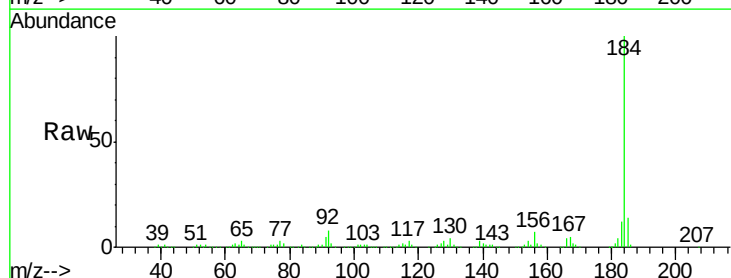
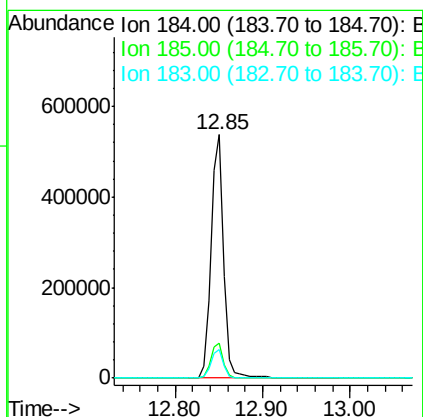
RT: 12.85 min Scan# 1830

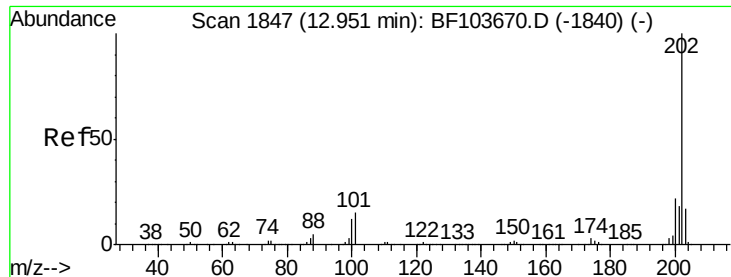
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	184	Resp:	535753
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.6	18.8
183	11.8	9.3	13.9





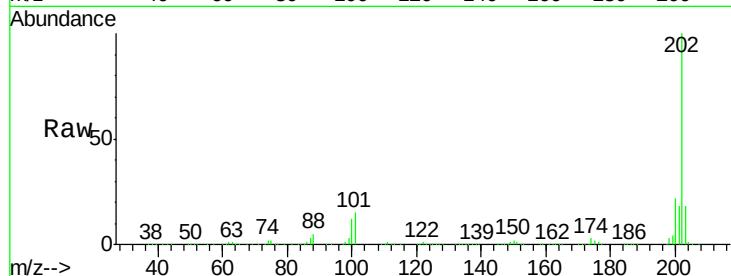
#77
Pvrene
Concen: 44.799 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

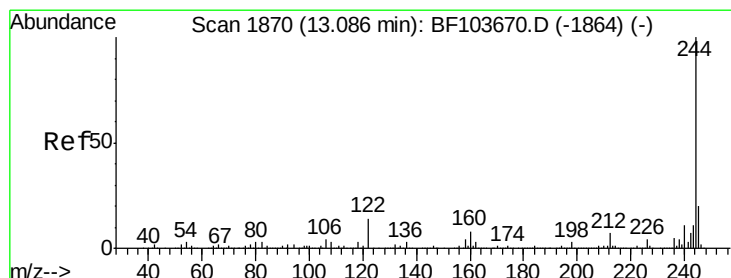
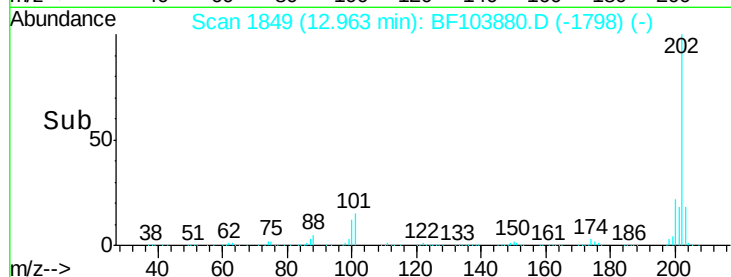
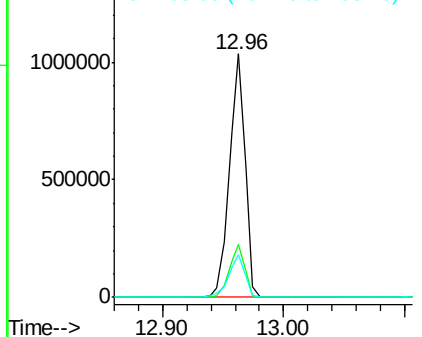
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5

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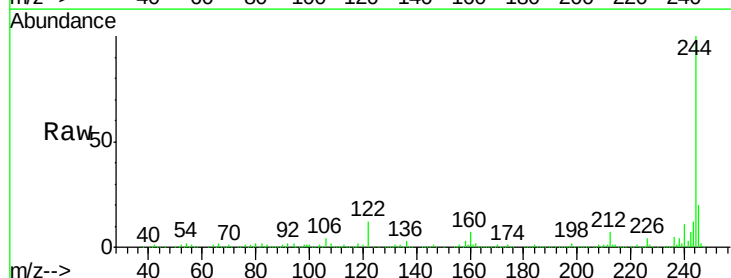


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

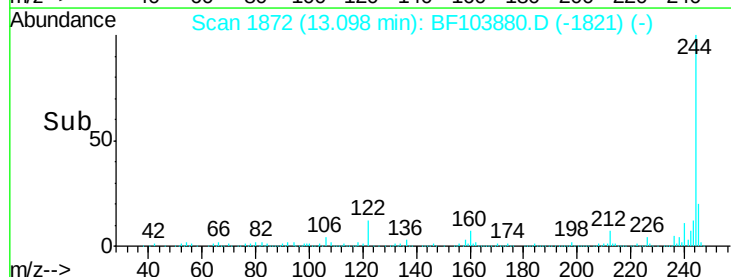
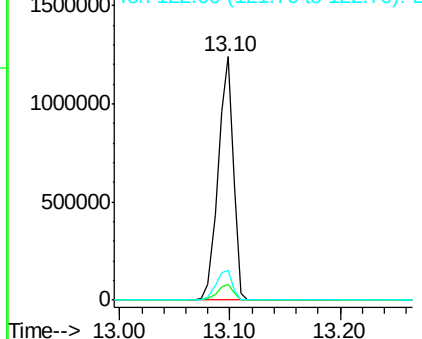


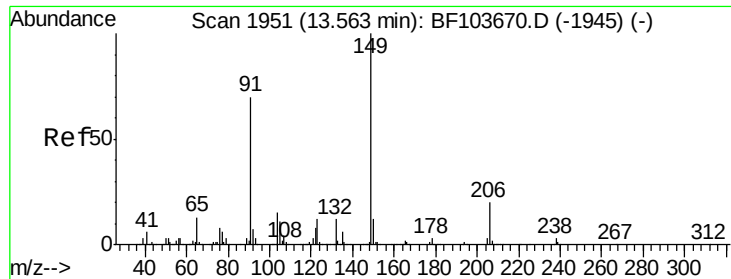
#78
Terphenyl-d14
Concen: 96.936 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.3	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





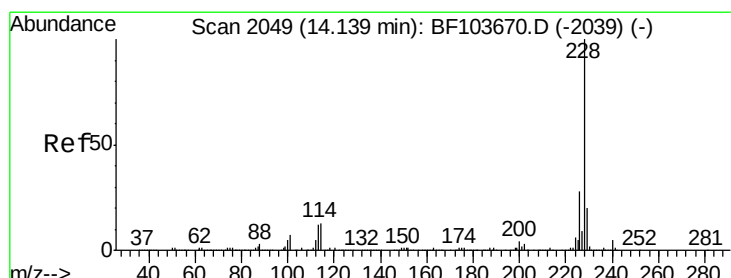
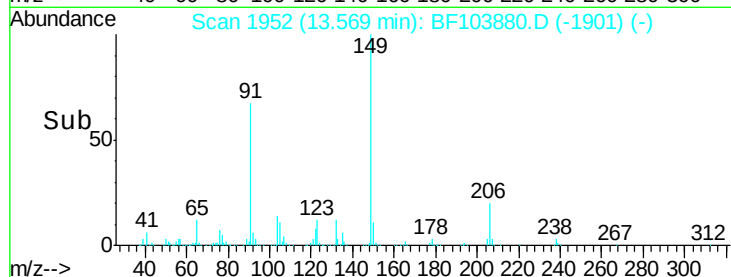
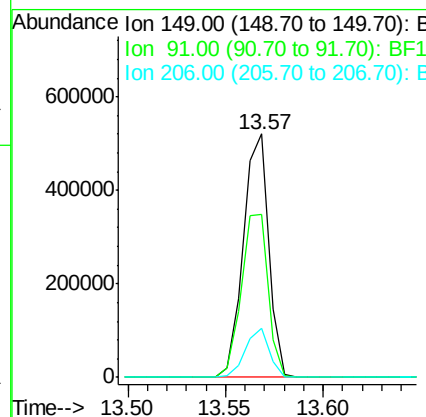
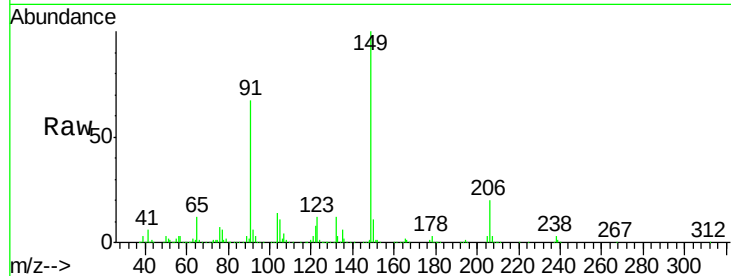
#79
Butylbenzylphthalate
Concen: 51.131 ng
RT: 13.57 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	66.8	56.8	85.2
206	20.4	14.1	21.1

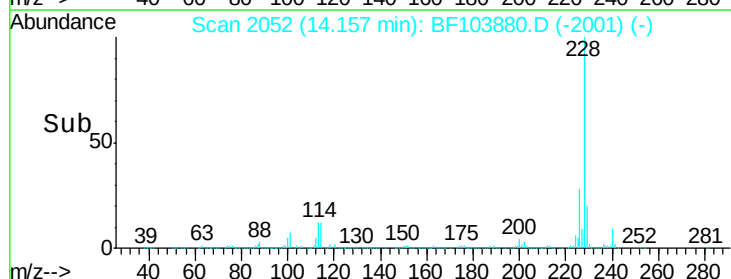
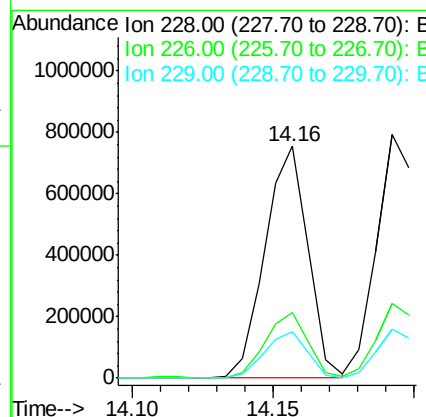
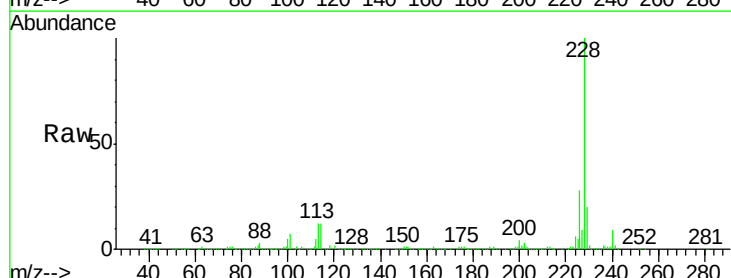
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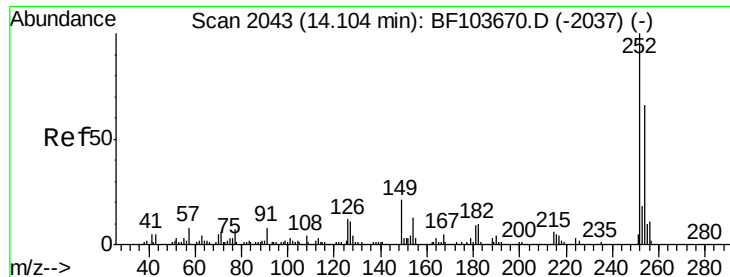
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#80
Benzo(a)anthracene
Concen: 44.472 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.3	15.8	23.6





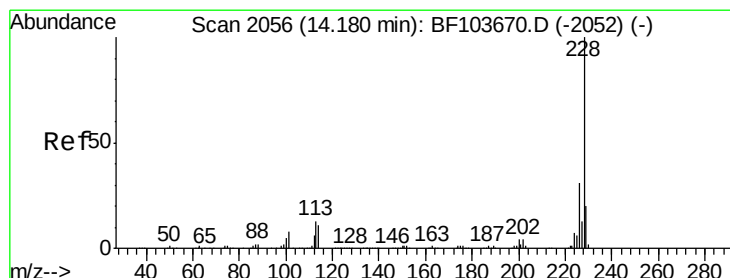
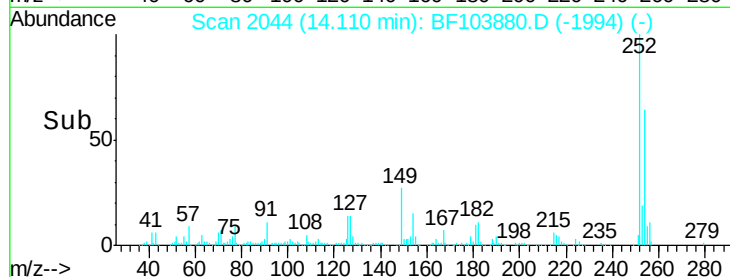
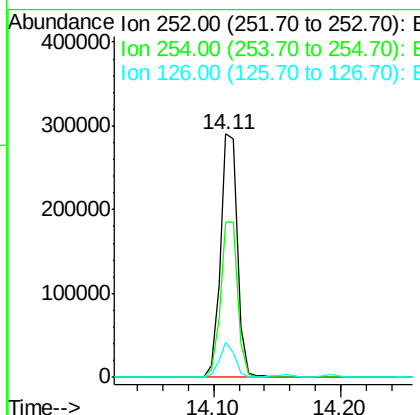
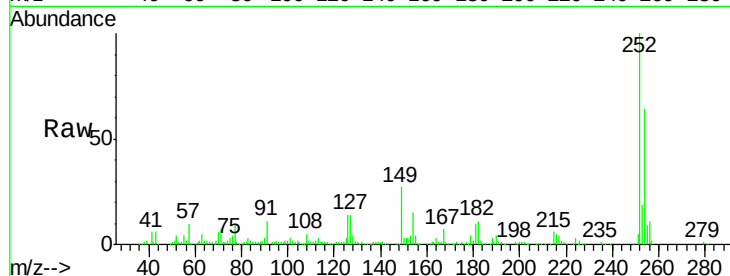
#81
 3,3'-Dichlorobenzidine
 Concen: 45.826 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	63.8	50.4	75.6
126	14.5	11.3	16.9

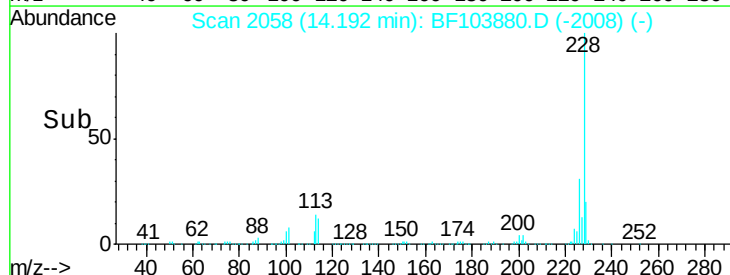
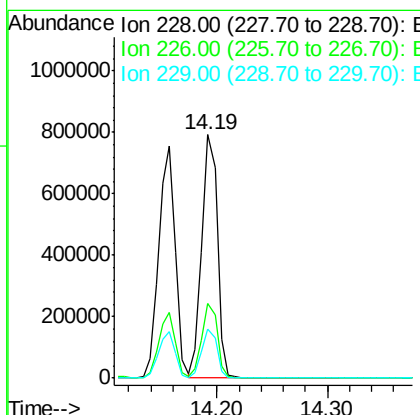
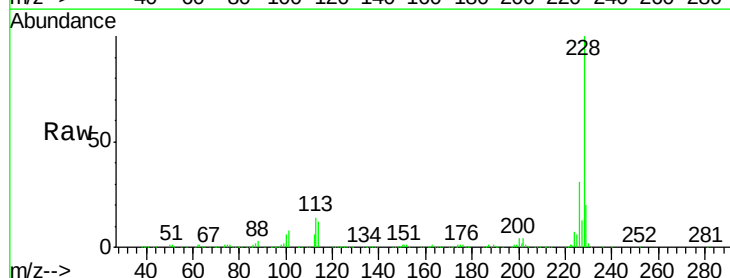
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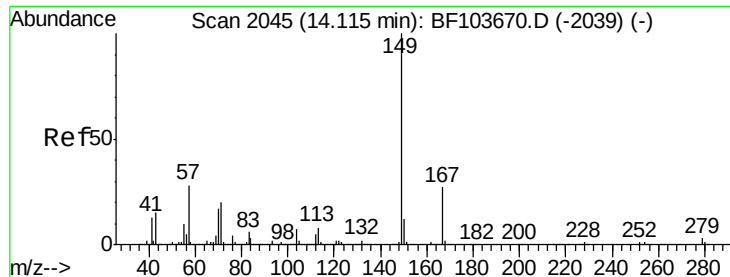
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#82
 Chrysene
 Concen: 44.336 ng
 RT: 14.19 min Scan# 2058
 Delta R.T. -0.01 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.6	25.0	37.6
229	20.3	16.2	24.4





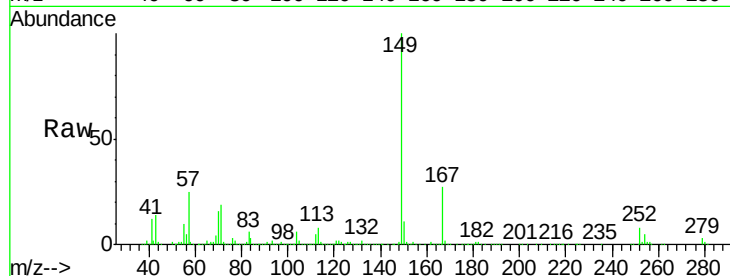
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.855 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	3.5	3.0	4.4

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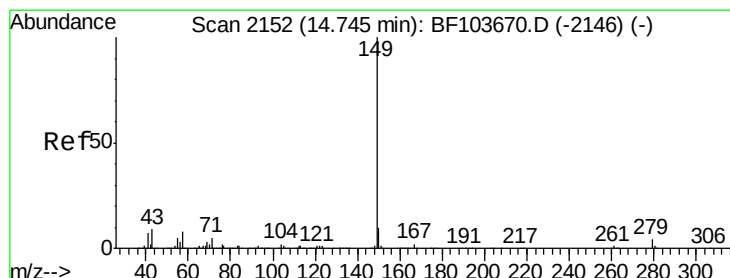
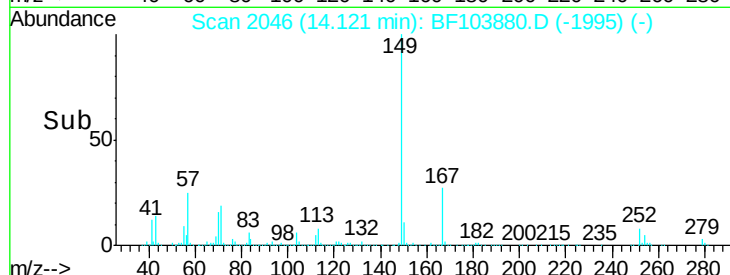
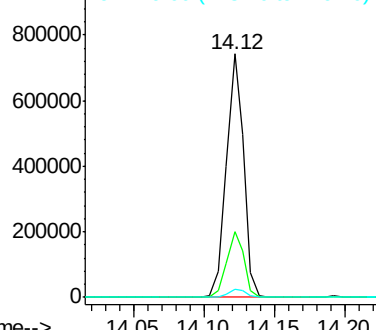


Abundance

Ion 149.00 (148.70 to 149.70): E

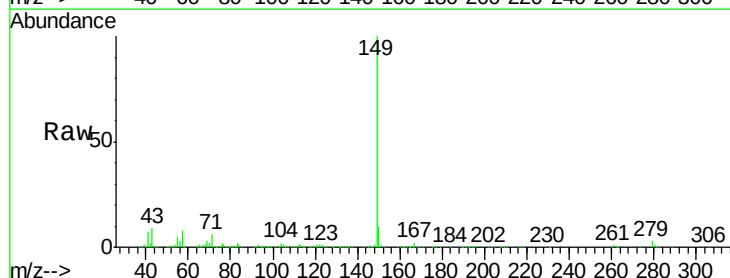
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 54.929 ng
 RT: 14.75 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.5	8.4	12.6

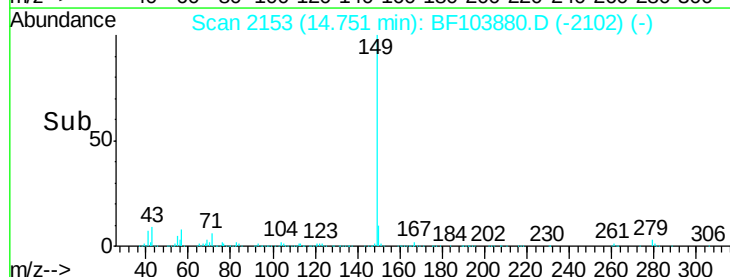
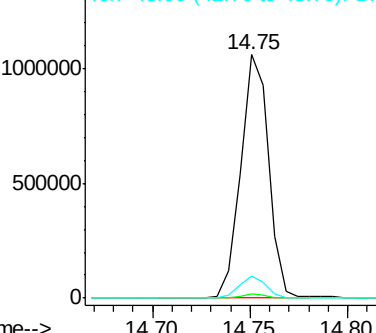


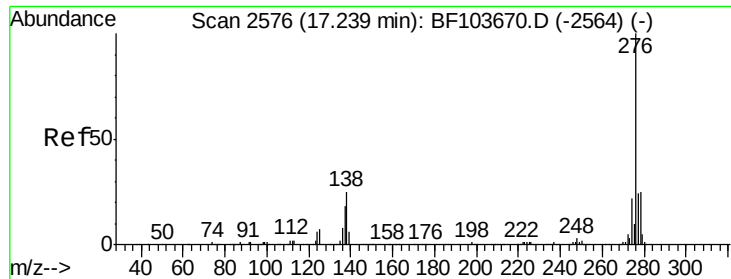
Abundance

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: 48.442 ng

RT: 17.30 min Scan# 2586

Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Instrument :

BNA_F

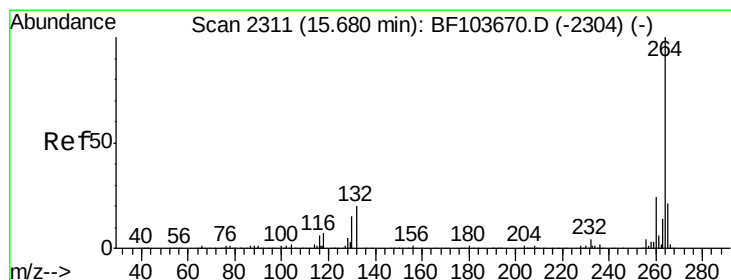
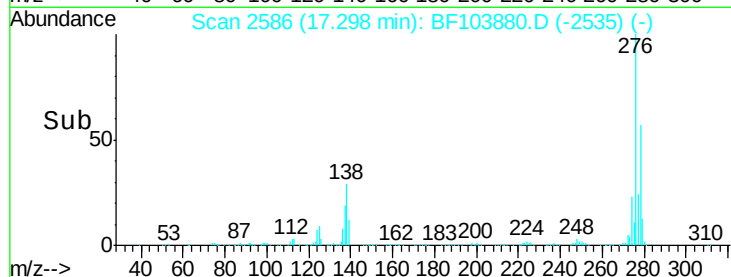
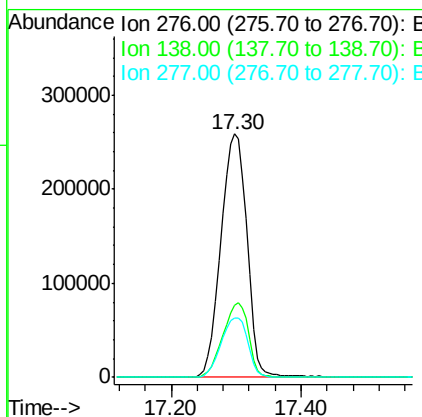
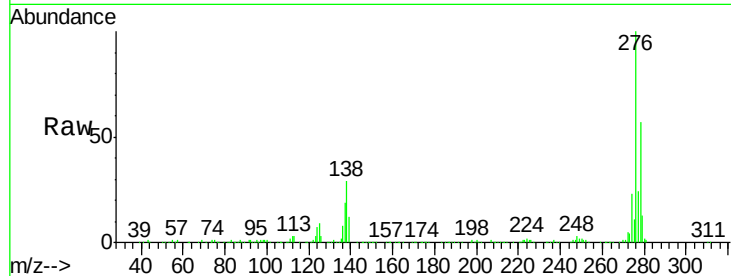
ClientSampleId :

SB-109(15-16)MSD

Tot Ion:	276	Resp:	720630
Ion Ratio	Lower	Upper	
276	100		
138	30.0	25.0	37.6
277	25.2	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

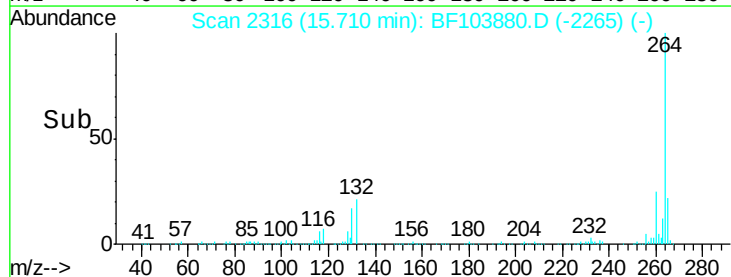
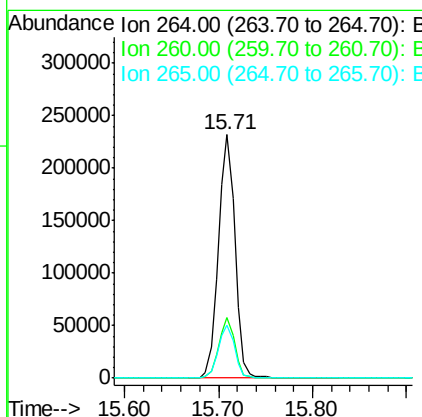
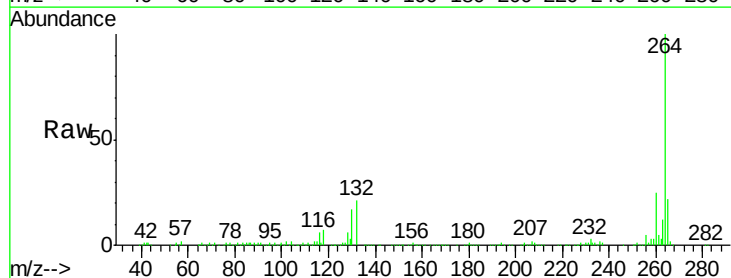
RT: 15.71 min Scan# 2316

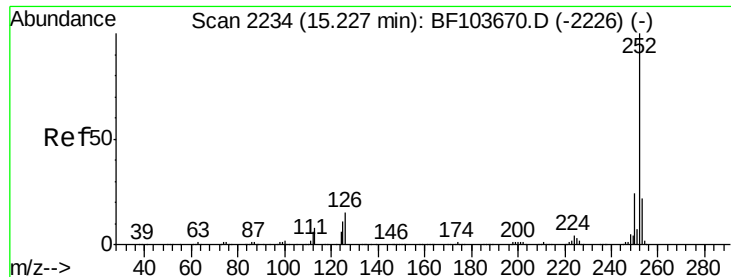
Delta R.T. -0.00 min

Lab File: BF103880.D

Acq: 23 Mar 2018 15:13

Tgt Ion:	264	Resp:	287563
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	21.6	17.5	26.3





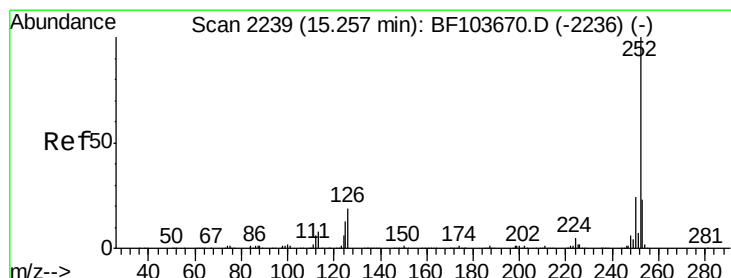
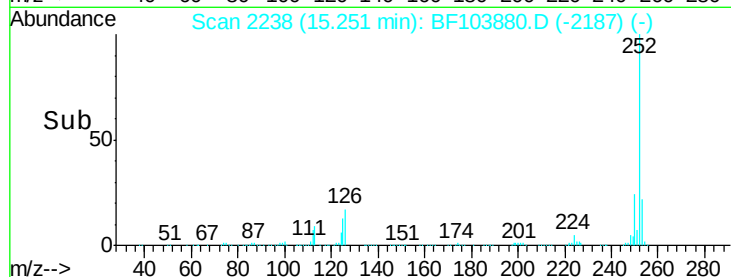
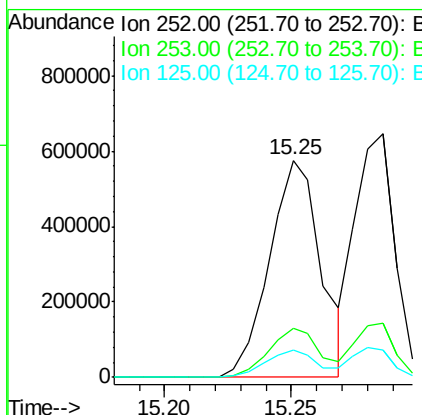
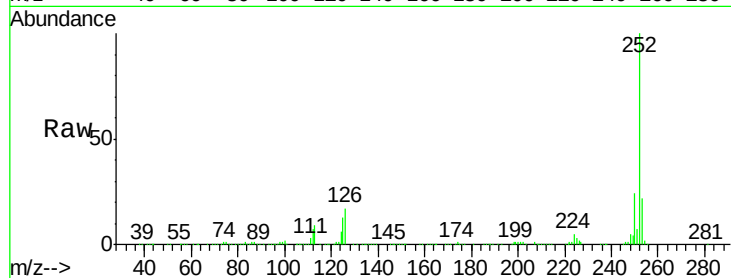
#87
Benzo(b)fluoranthene
Concen: 44.822 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	12.9	9.0	13.6

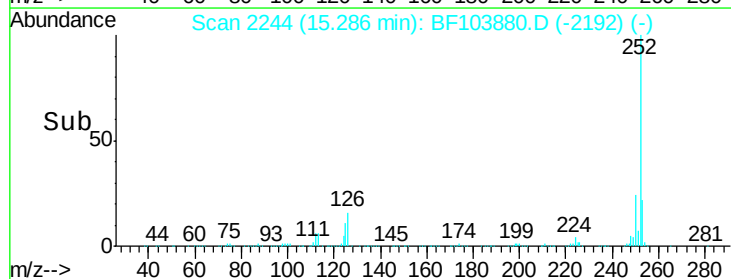
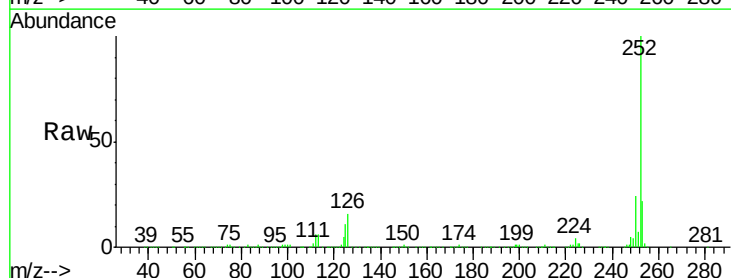
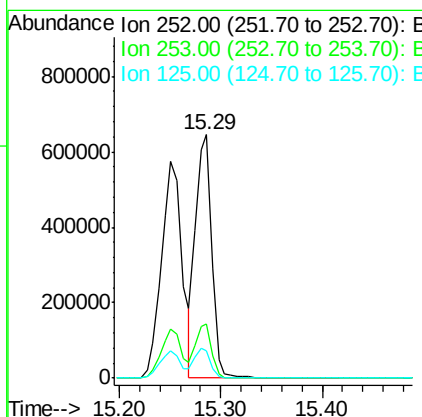
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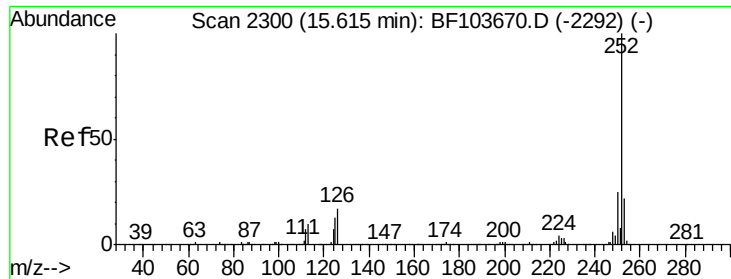
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#88
Benzo(k)fluoranthene
Concen: 40.834 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.4	10.2	15.2





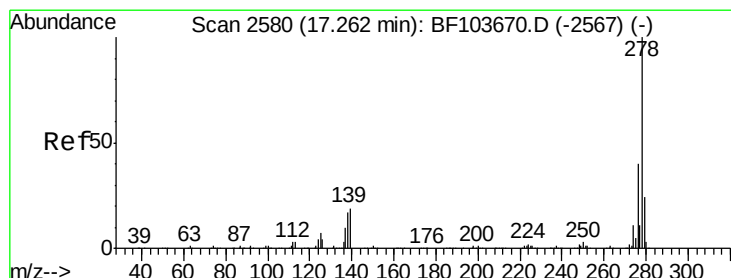
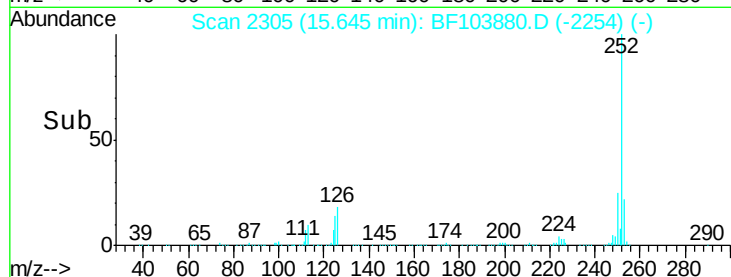
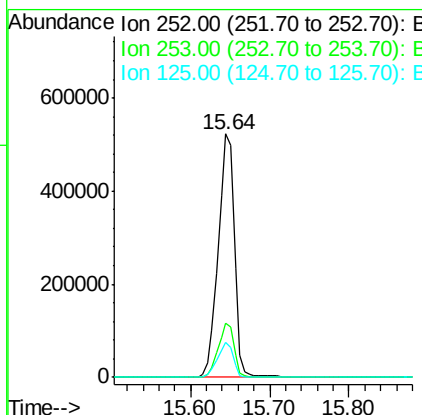
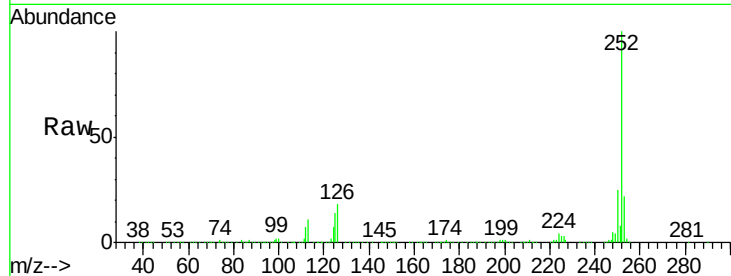
#89
Benzo(a)pyrene
Concen: 45.109 ng
RT: 15.64 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Instrument :
BNA_F
ClientSampleId :
SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	14.3	9.8	14.6

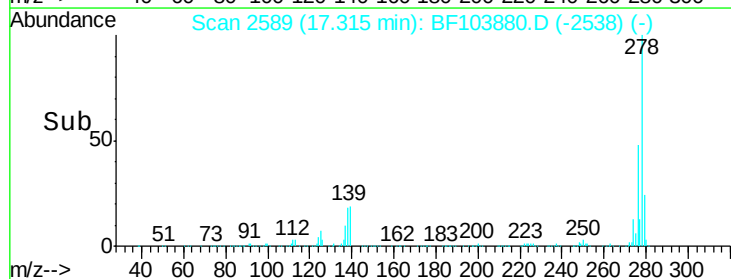
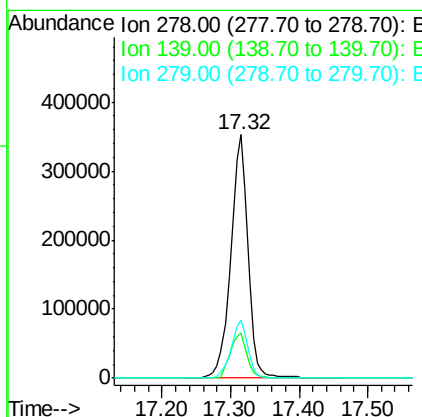
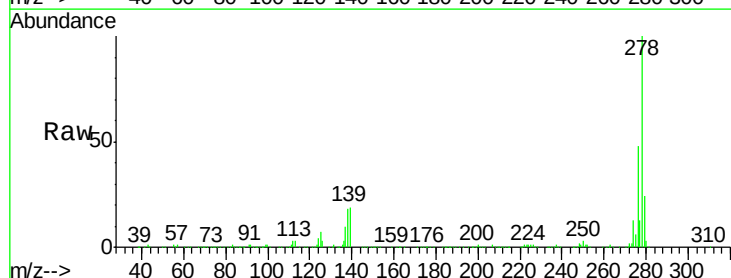
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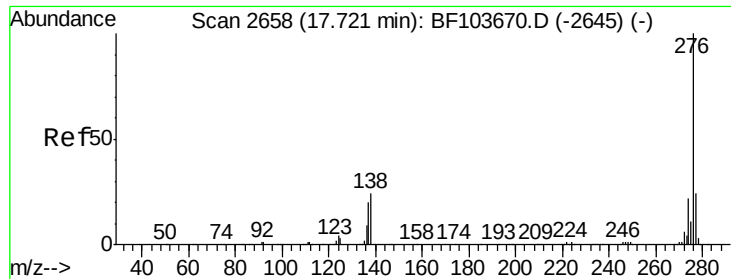
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 43.029 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.00 min
Lab File: BF103880.D
Acq: 23 Mar 2018 15:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.9	23.9
279	23.8	19.0	28.4





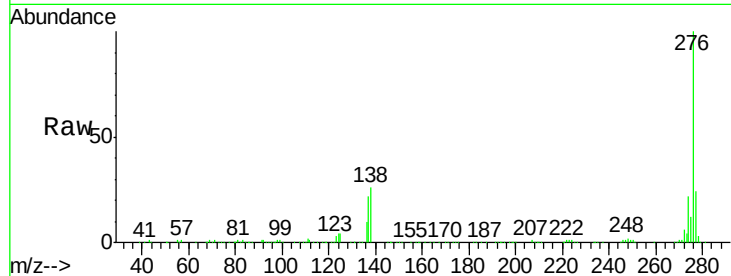
#91
 Benzo(a,h,i)perylene
 Concen: 41.086 ng
 RT: 17.78 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: BF103880.D
 Acq: 23 Mar 2018 15:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-109(15-16)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	26.4	21.8	32.8

Manual Integrations
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 3/26/2018 4:33:00 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

