

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103990.D
 Acq On : 28 Mar 2018 00:17
 Operator : JU/SJ
 Sample : J2075-01MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Manual Integrations
 APPROVED

Sohil
 3/28/2018 4:54:49 PM

Quant Time: Mar 28 06:53:40 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	147479	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	579235	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	252888	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	389213	20.00	ng	0.00
75) Chrysene-d12	14.17	240	254364	20.00	ng	0.00
86) Perylene-d12	15.71	264	232237	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	1178423	121.53	ng	0.02
7) Phenol-d6	6.62	99	1388277	117.03	ng	0.02
23) Nitrobenzene-d5	7.55	82	837748	100.86	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	298630	137.34	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1416394	89.34	ng	0.00
78) Terphenyl-d14	13.09	244	1047323	95.57	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.90	88	152027	31.842	ng	# 89
3) Pyridine	3.68	79	424273m	32.308	ng	
4) n-Nitrosodimethylamine	3.65	42	166639m	34.415	ng	
6) Aniline	6.65	93	221043	13.049	ng	# 78
8) 2-Chlorophenol	6.77	128	441154	43.432	ng	93
9) Benzaldehyde	6.53	77	181538	23.294	ng	97
10) Phenol	6.63	94	566446	44.937	ng	98
11) bis(2-Chloroethyl)ether	6.71	93	425537	40.893	ng	94
12) 1,3-Dichlorobenzene	6.92	146	459044	39.680	ng	97
13) 1,4-Dichlorobenzene	6.99	146	473093	40.696	ng	99
14) 1,2-Dichlorobenzene	7.15	146	425255	39.422	ng	99
15) Benzyl Alcohol	7.12	79	343598	37.383	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.24	45	497379	33.605	ng	66
17) 2-Methylphenol	7.23	107	353448	39.075	ng	94
18) Hexachloroethane	7.48	117	134677	32.935	ng	98
19) n-Nitroso-di-n-propylamine	7.39	70	278300	36.607	ng	92
20) 3+4-Methylphenols	7.38	107	430755	37.525	ng	# 63
22) Acetophenone	7.39	105	571360	38.381	ng	# 97
24) Nitrobenzene	7.56	77	426372	43.724	ng	93
25) Isophorone	7.79	82	808757	42.061	ng	99
26) 2-Nitrophenol	7.87	139	190870	50.768	ng	96
27) 2,4-Dimethylphenol	7.90	122	397824	48.295	ng	100
28) bis(2-Chloroethoxy)methane	8.00	93	526052	45.180	ng	99
29) 2,4-Dichlorophenol	8.12	162	360154	48.058	ng	98
30) 1,2,4-Trichlorobenzene	8.20	180	366477	42.162	ng	99
31) Naphthalene	8.28	128	1308463	44.719	ng	99
32) Benzoic acid	7.99	122	47567m	16.400	ng	
33) 4-Chloroaniline	8.33	127	134538	10.960	ng	96
34) Hexachlorobutadiene	8.39	225	193885	40.684	ng	100
35) Caprolactam	8.70	113	116833m	45.274	ng	
36) 4-Chloro-3-methylphenol	8.82	107	379390	45.921	ng	97
37) 2-Methylnaphthalene	8.97	142	831574	44.816	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.13	216	341178	47.290	ng	99
40) Hexachlorocyclopentadiene	9.11	237	54709	14.696	ng	98

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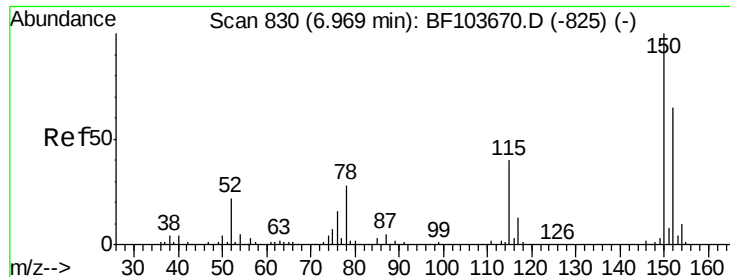
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	232282	50.336	nq	99
43) 2,4,5-Trichlorophenol	9.30	196	244782	46.997	nq	95
45) 1,1'-Biphenyl	9.43	154	952380	45.164	nq	99
46) 2-Chloronaphthalene	9.46	162	713984	42.629	nq	99
47) 2-Nitroaniline	9.56	65	228538	51.570	nq	98
48) Acenaphthylene	9.88	152	1235286	47.562	nq	100
49) Dimethylphthalate	9.73	163	1009164	52.304	nq	100
50) 2,6-Dinitrotoluene	9.80	165	172823	46.445	nq	99
51) Acenaphthene	10.05	154	654725	42.456	nq	100
52) 3-Nitroaniline	9.97	138	154926	35.697	nq	99
53) 2,4-Dinitrophenol	10.08	184	9209	21.163	nq	# 50
54) Dibenzofuran	10.22	168	960353	43.603	nq	99
55) 4-Nitrophenol	10.15	139	269732	76.586	nq	92
56) 2,4-Dinitrotoluene	10.21	165	206824	44.291	nq	# 89
57) Fluorene	10.57	166	870103	50.910	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.34	232	177926	48.210	nq	91
59) Diethylphthalate	10.43	149	808216	42.205	nq	98
60) 4-Chlorophenyl-phenylether	10.55	204	337042	43.151	nq	100
61) 4-Nitroaniline	10.60	138	195384	45.588	nq	92
62) Azobenzene	10.72	77	701159	36.014	nq	91
64) 4,6-Dinitro-2-methylphenol	10.62	198	10741	15.933	nq	91
65) n-Nitrosodiphenylamine	10.67	169	648496	48.950	nq	99
66) 4-Bromophenyl-phenylether	11.05	248	200197	50.097	nq	91
67) Hexachlorobenzene	11.12	284	209601	45.955	nq	# 90
68) Atrazine	11.20	200	189380	46.211	nq	98
69) Pentachlorophenol	11.32	266	188856	72.022	nq	97
70) Phenanthrene	11.54	178	1527979	71.767	nq	99
71) Anthracene	11.59	178	1103952	51.052	nq	99
72) Carbazole	11.75	167	857893	40.817	nq	100
73) Di-n-butylphthalate	12.06	149	1140199	45.212	nq	99
74) Fluoranthene	12.73	202	1310285	59.736	nq	99
76) Benzidine	12.85	184	444779	40.998	nq	97
77) Pyrene	12.97	202	1470303	78.709	nq	99
79) Butylbenzylphthalate	13.56	149	411142	49.677	nq	97
80) Benzo(a)anthracene	14.16	228	989240	61.439	nq	95
81) 3,3'-Dichlorobenzidine	14.11	252	195525	36.304	nq	98
82) Chrysene	14.19	228	951362	61.984	nq	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	537706	45.478	nq	99
84) Di-n-octyl phthalate	14.74	149	920640	53.522	nq	# 95
85) Indeno(1,2,3-cd)pyrene	17.30	276	678300	50.605	nq	95
87) Benzo(b)fluoranthene	15.25	252	942919	64.266	nq	98
88) Benzo(k)fluoranthene	15.28	252	644954	45.729	nq	100
89) Benzo(a)pyrene	15.64	252	815246	61.261	nq	98
90) Dibenzo(a,h)anthracene	17.32	278	503139	43.663	nq	98
91) Benzo(g,h,i)perylene	17.79	276	577132	51.482	nq	96

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



#1

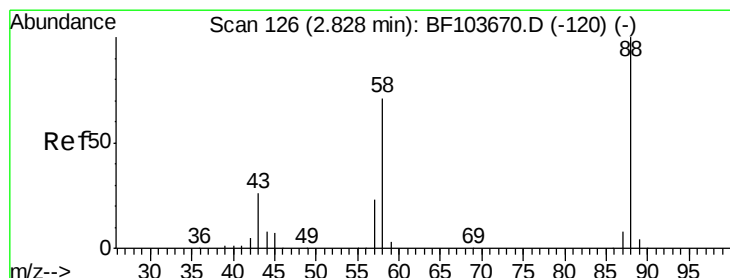
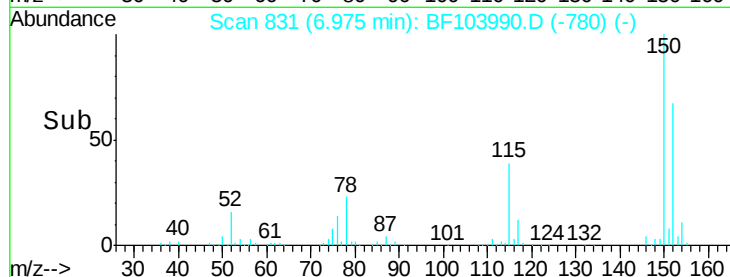
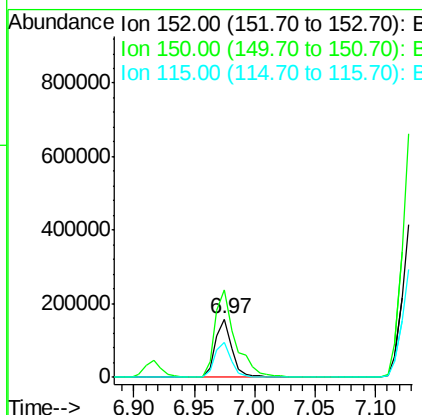
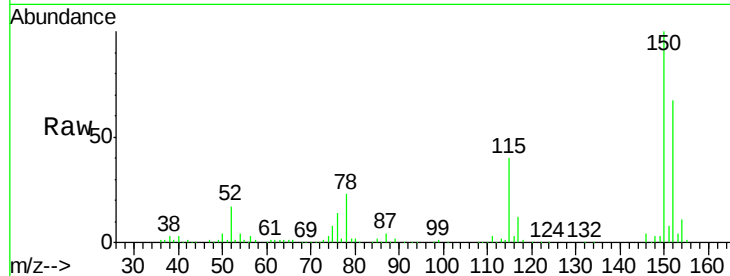
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	124.6	186.8
115	59.4	50.1	75.1

Manual Integrations
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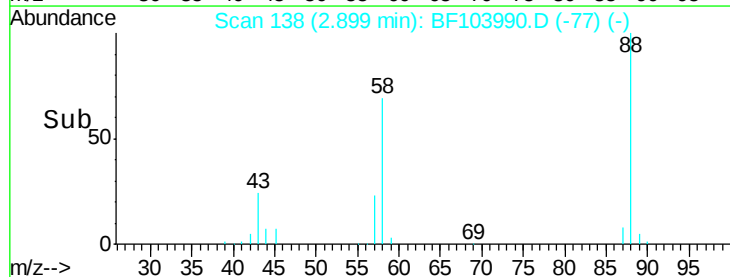
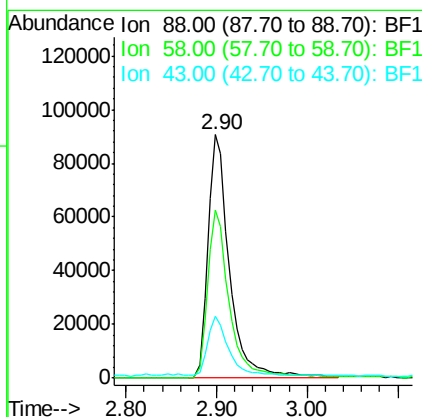
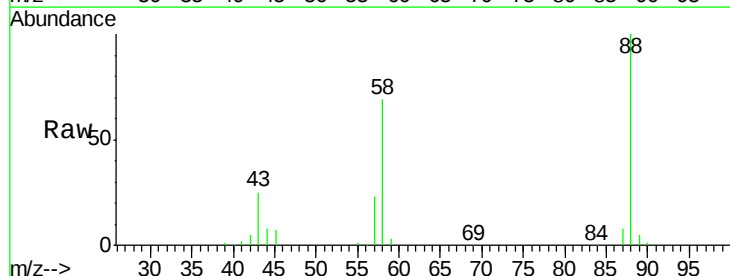
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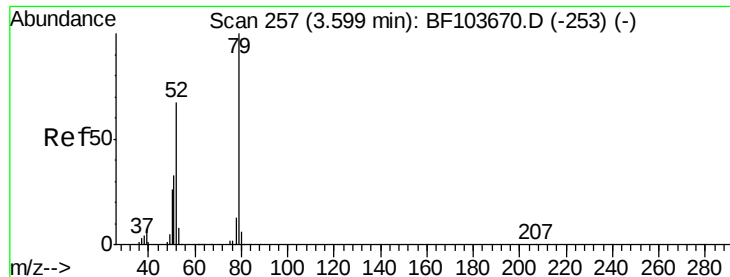


#2

1,4-Dioxane
Concen: 31.842 ng
RT: 2.90 min Scan# 138
Delta R.T. 0.06 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.3	62.6	93.8
43	23.1	24.6	37.0





#3

Pvridine

Concen: 32.308 ng m

RT: 3.68 min Scan# 271

Delta R.T. 0.06 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

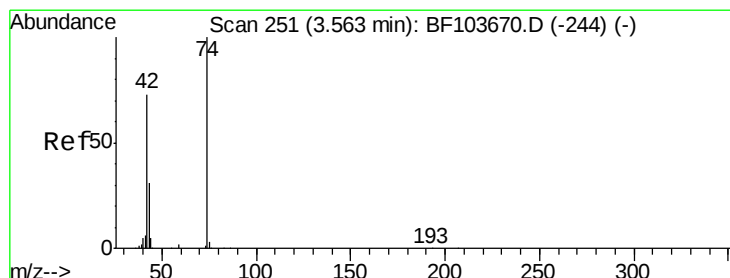
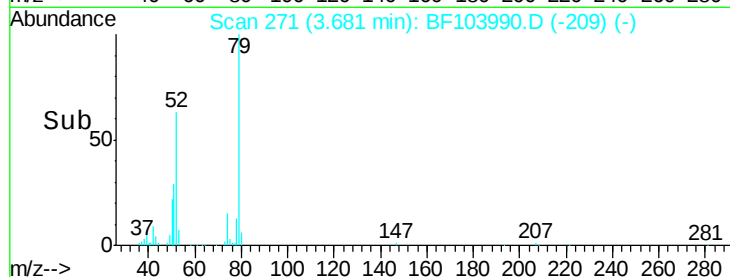
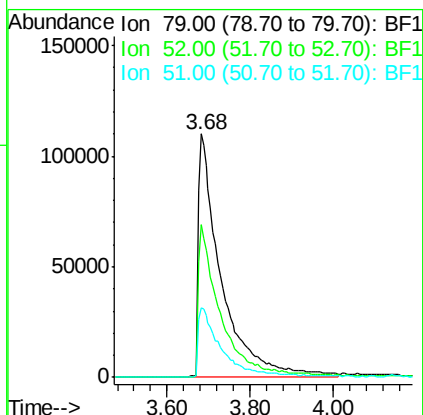
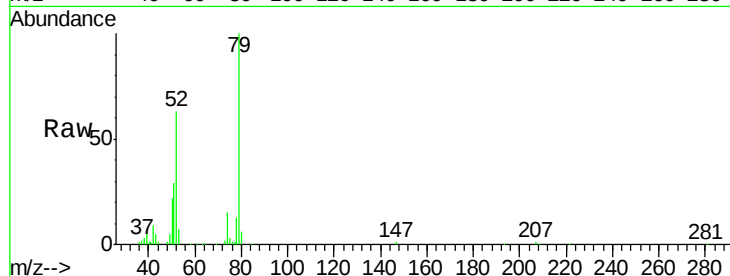
ClientSampleId :

SB-107(4-5)MSD

Tot Ion:	79	Resp:	424273
Ion Ratio	Lower	Upper	
79	100		
52	63.0	59.8	89.6
51	28.7	29.8	44.8#

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#4

n-Nitrosodimethylamine

Concen: 34.415 ng m

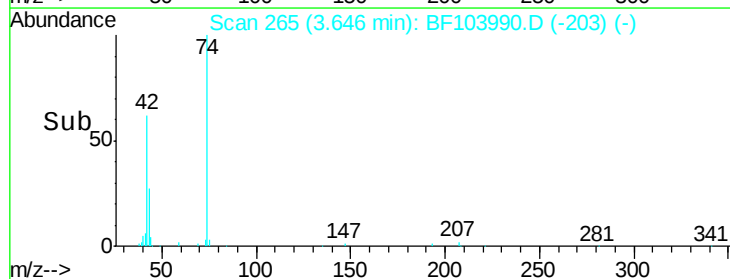
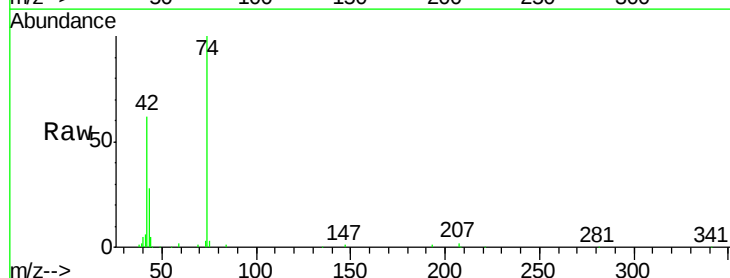
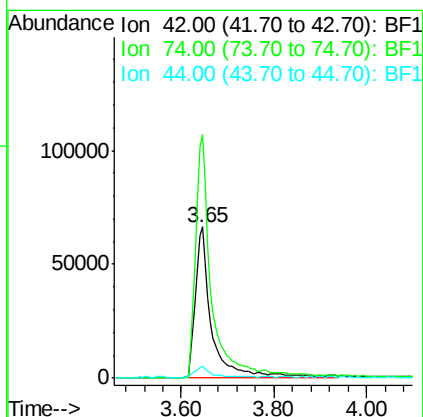
RT: 3.65 min Scan# 265

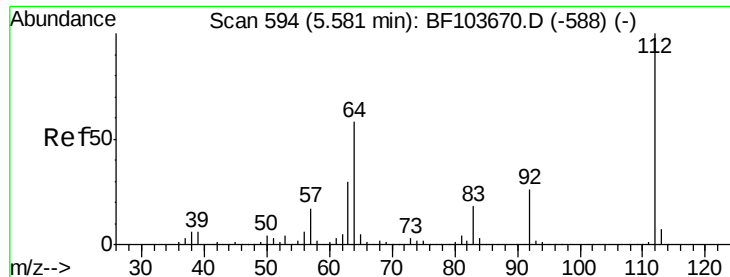
Delta R.T. 0.06 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion:	42	Resp:	166639
Ion Ratio	Lower	Upper	
42	100		
74	161.3	104.9	157.3#
44	7.7	6.9	10.3





#5

2-Fluorophenol

Concen: 121.534 ng

RT: 5.62 min Scan# 600

Delta R.T. 0.02 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

ClientSampleId :

SB-107(4-5)MSD

Tot Ion:112 Resp: 1178423

Ion Ratio Lower Upper

112 100

64 53.2 47.9 71.9

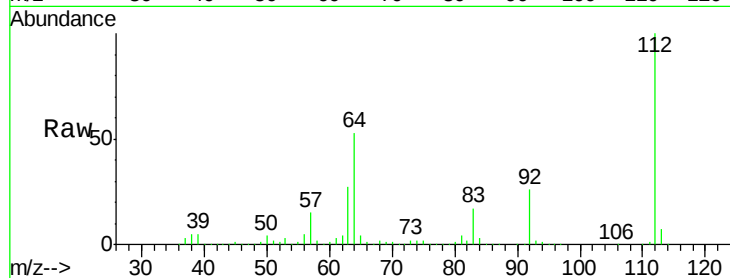
63 26.9 23.7 35.5

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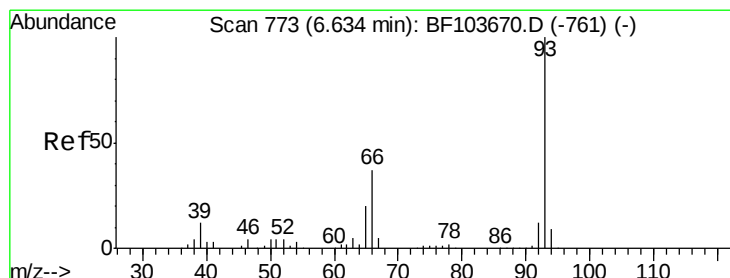
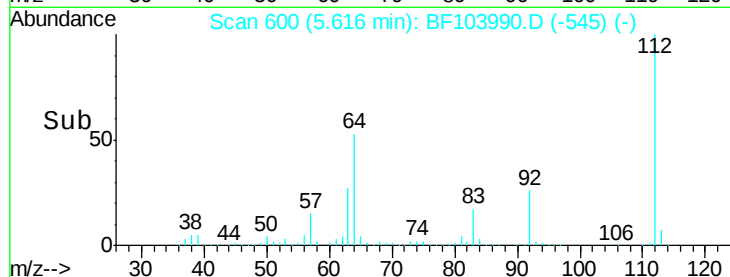
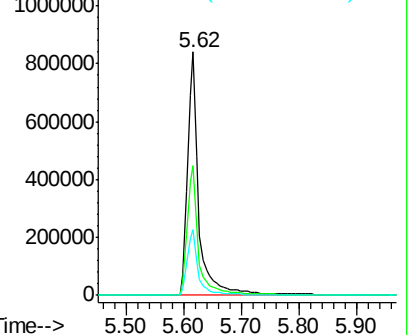
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 13.049 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

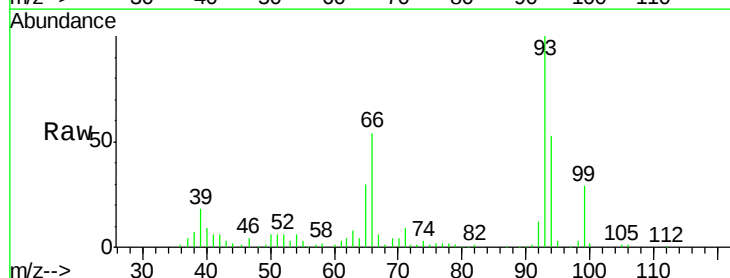
Tgt Ion: 93 Resp: 221043

Ion Ratio Lower Upper

93 100

66 54.4 32.2 48.2#

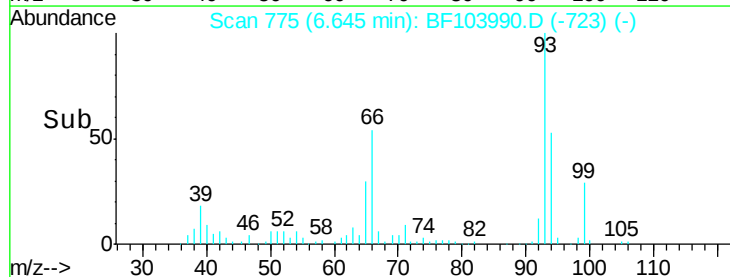
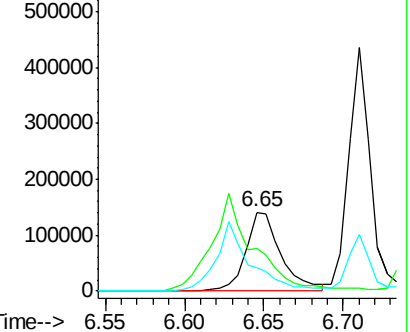
65 30.1 16.4 24.6#



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: 117.029 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.02 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

ClientSampleId :

SB-107(4-5)MSD

Tot Ion: 99 Resp: 1388277

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

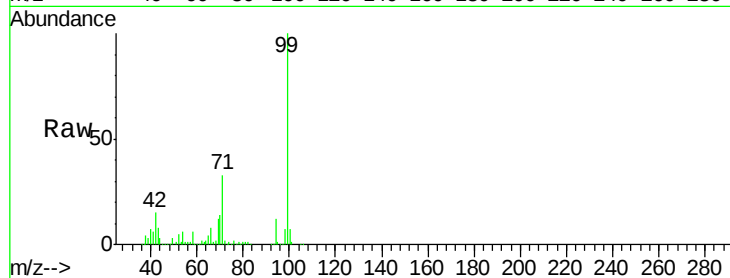
71 32.8 25.4 38.0

Manual Integrations

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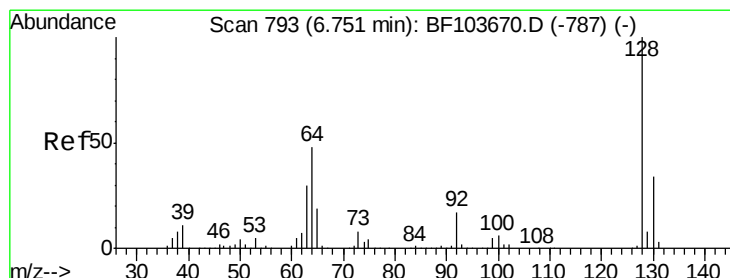
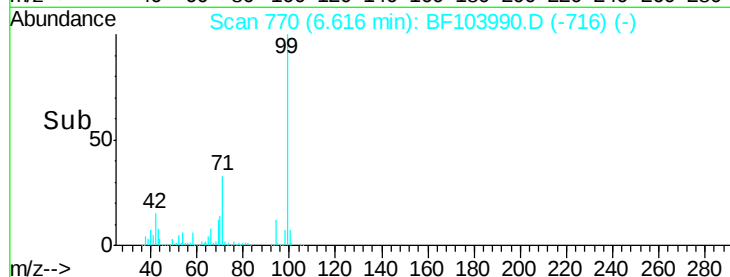
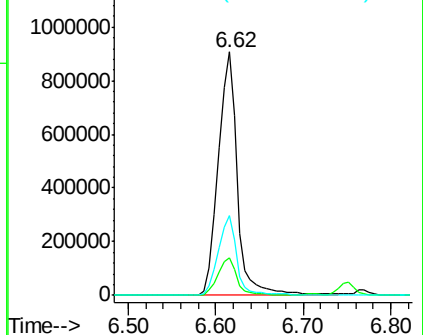
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 43.432 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

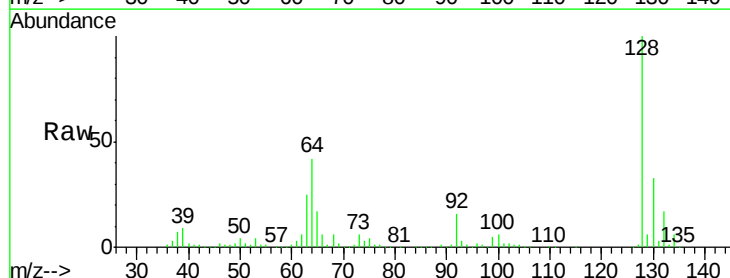
Tgt Ion: 128 Resp: 441154

Ion Ratio Lower Upper

128 100

130 33.2 13.0 53.0

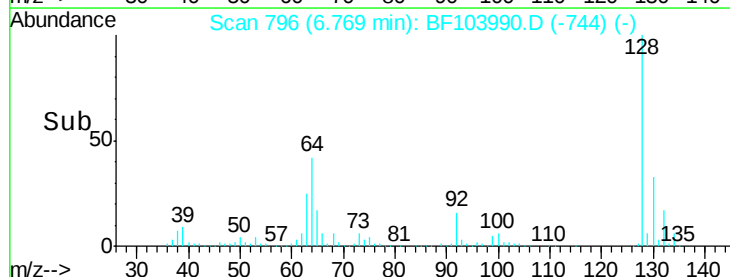
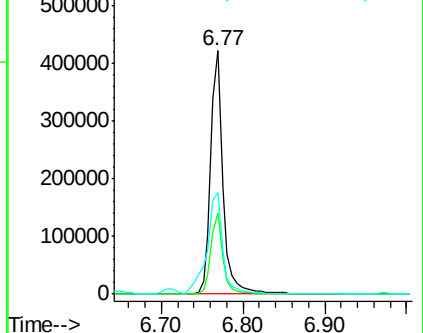
64 41.5 29.4 69.4

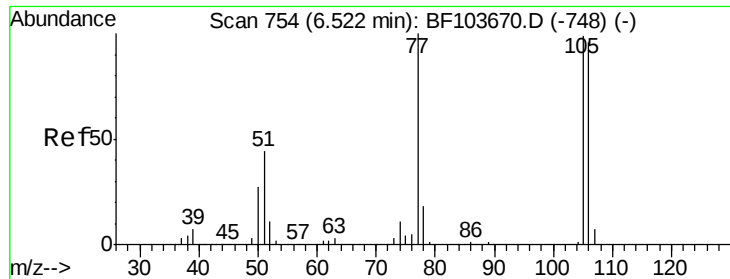


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 23.294 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

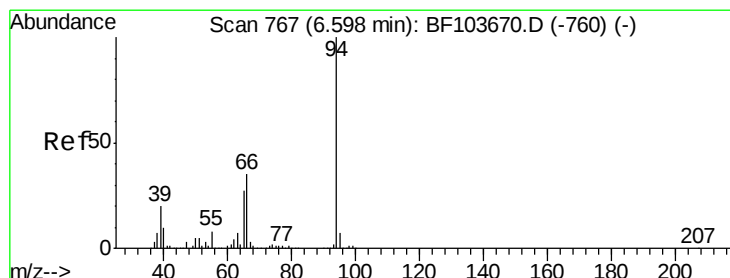
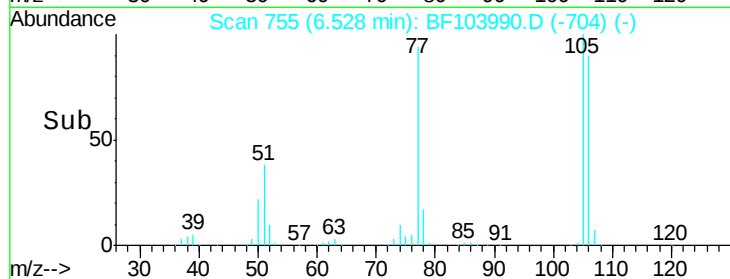
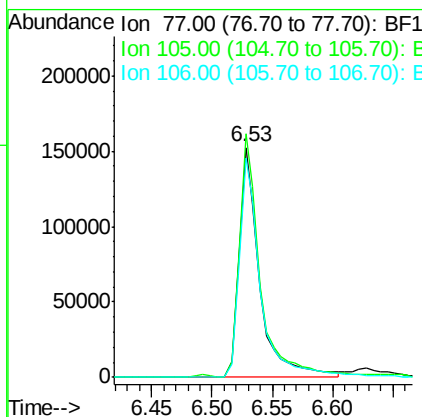
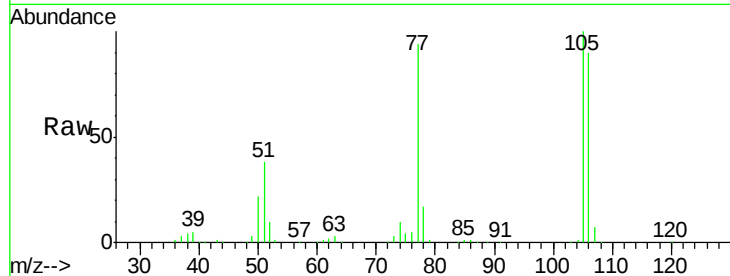
ClientSampleId :

SB-107(4-5)MSD

Tot Ion:	77	Resp:	181538
Ion Ratio	Lower	Upper	
77	100		
105	106.0	81.1	121.1
106	95.7	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 44.937 ng

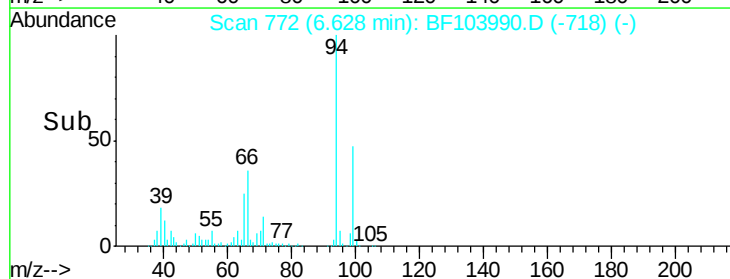
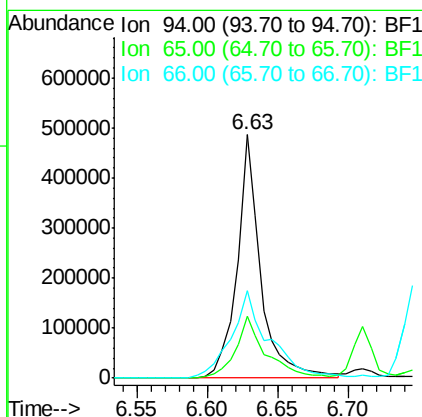
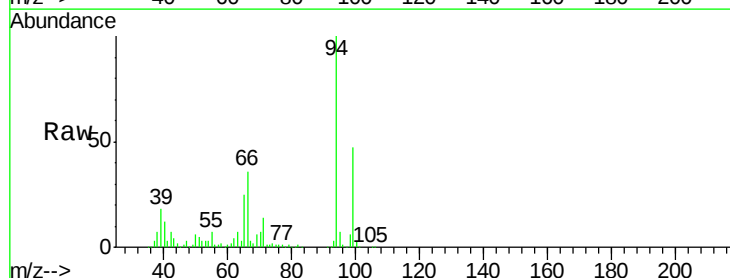
RT: 6.63 min Scan# 772

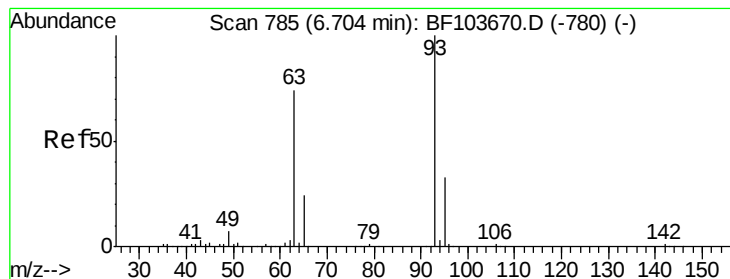
Delta R.T. 0.02 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion:	94	Resp:	566446
Ion Ratio	Lower	Upper	
94	100		
65	25.5	7.9	47.9
66	36.0	16.2	56.2





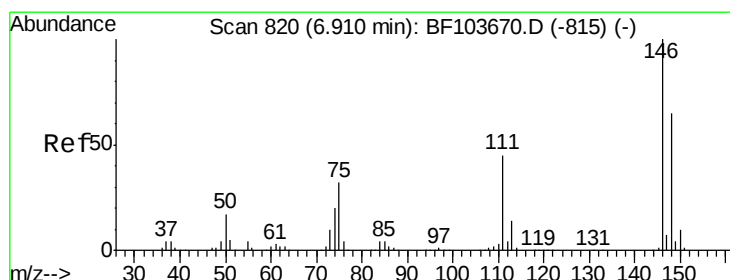
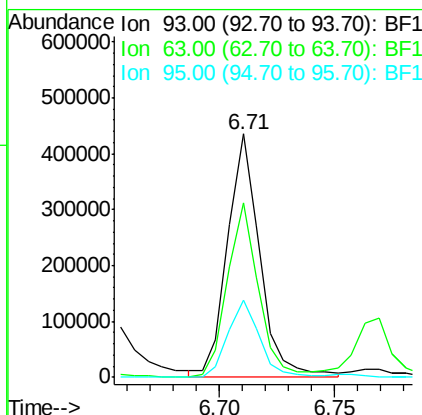
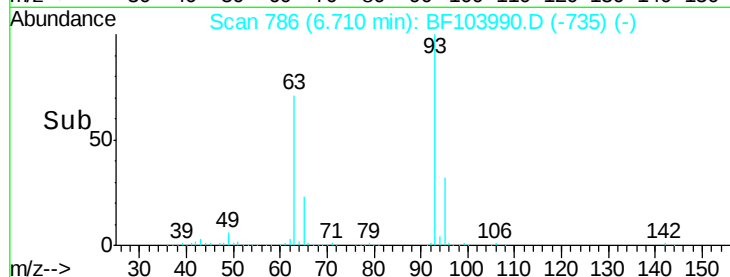
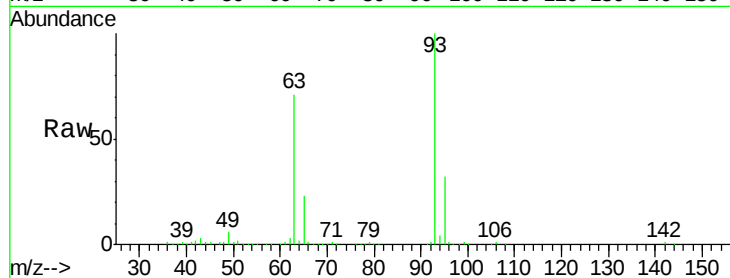
#11
bis(2-Chloroethyl)ether
Concen: 40.893 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		425537		
63	71.5	58.6	98.6		
95	31.9	11.8	51.8		

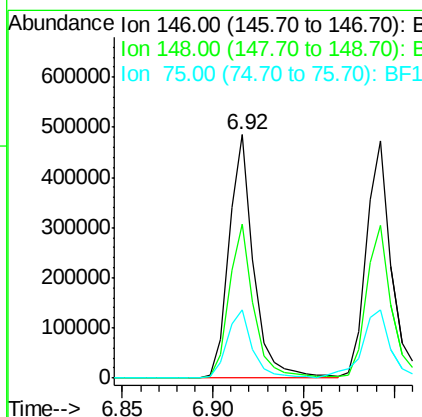
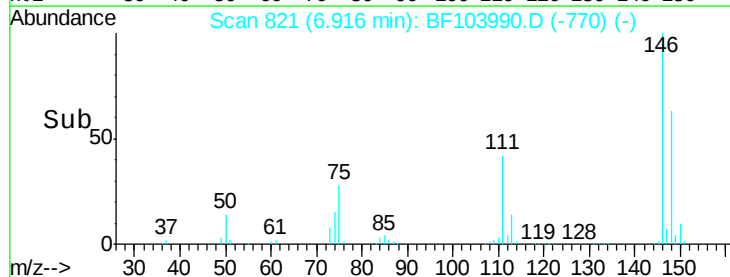
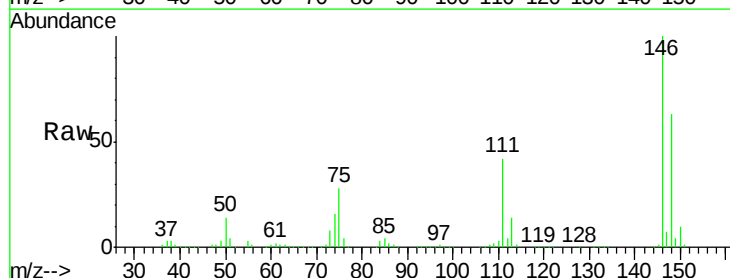
Manual Integrations
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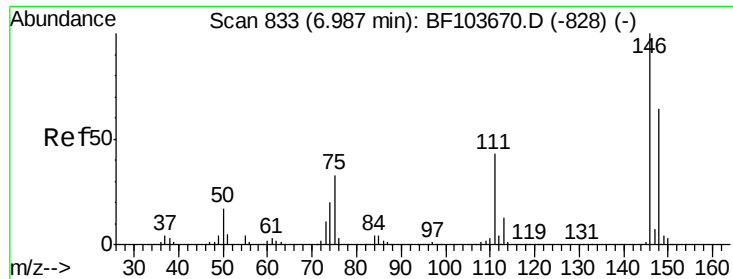
Sohil
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#12
1,3-Dichlorobenzene
Concen: 39.680 ng
RT: 6.92 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		459044		
148	63.1	51.8	77.8		
75	27.9	24.2	36.4		





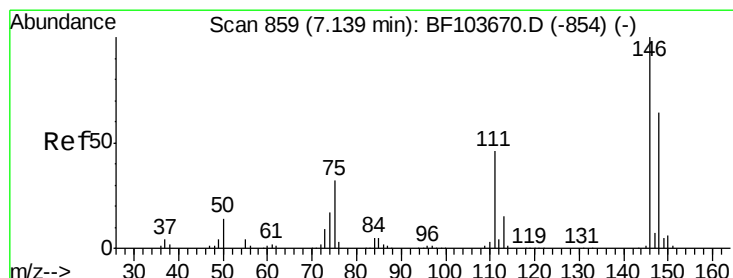
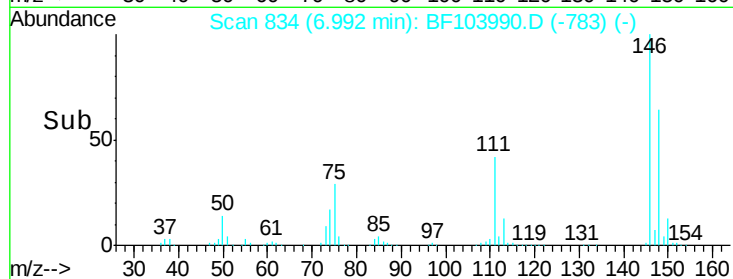
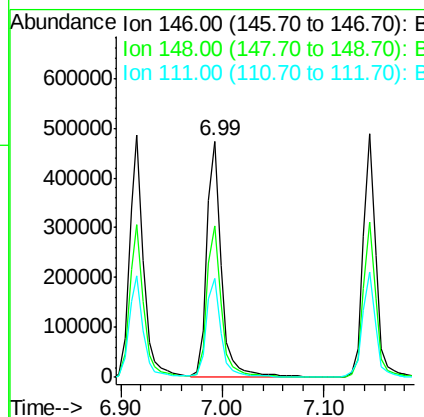
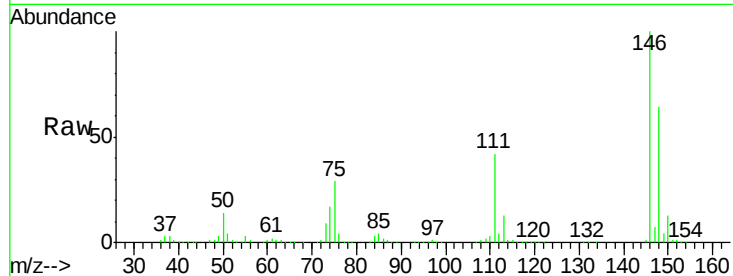
#13
1,4-Dichlorobenzene
Concen: 40.696 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.8	76.2
111	41.8	34.2	51.2

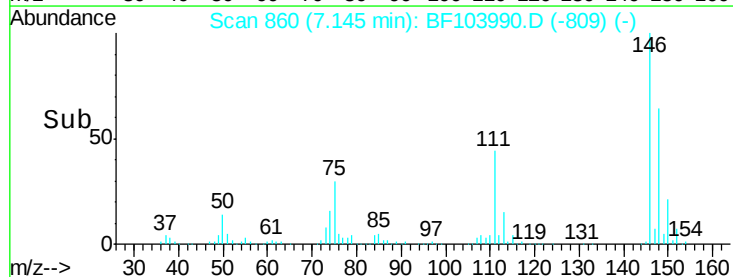
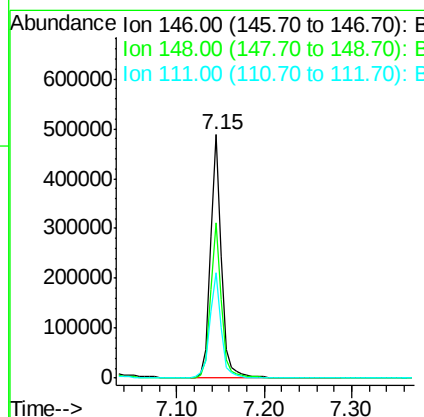
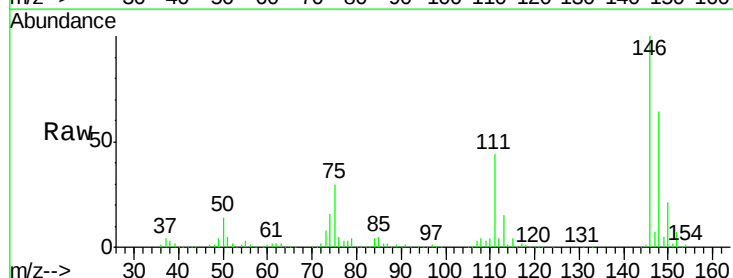
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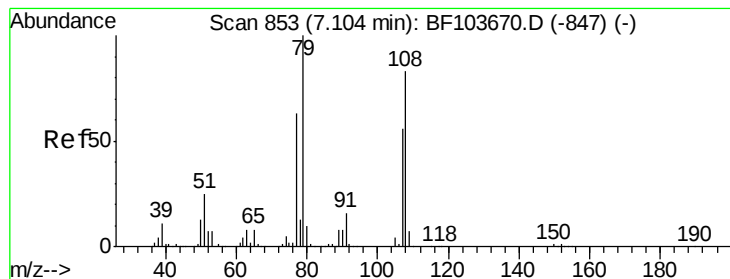
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#14
1,2-Dichlorobenzene
Concen: 39.422 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	75.8
111	43.5	36.0	54.0





#15

Benzyl Alcohol

Concen: 37.383 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

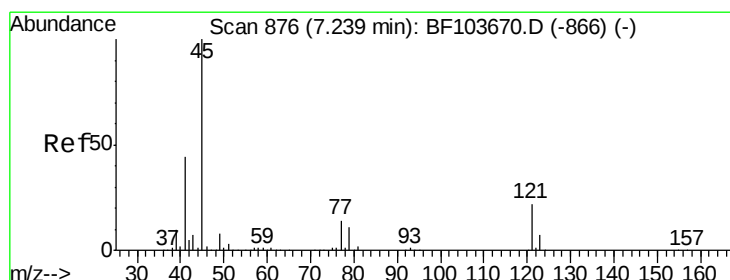
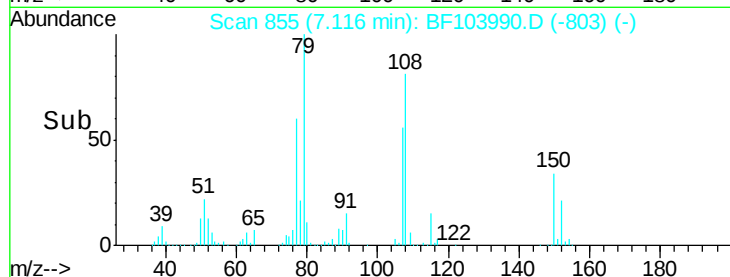
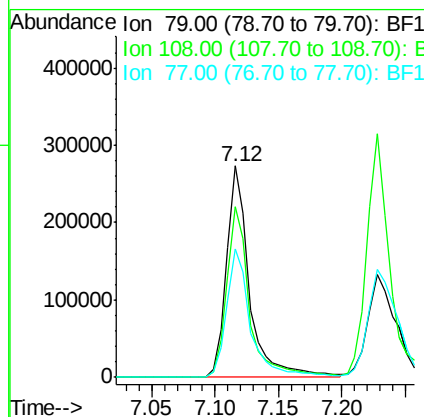
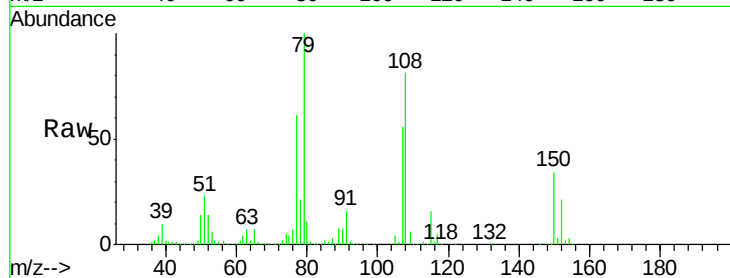
ClientSampleId :

SB-107(4-5)MSD

Tot Ion:	79	Resp:	343598
Ion Ratio	Lower	Upper	
79	100		
108	80.5	65.1	97.7
77	60.7	50.6	75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 33.605 ng

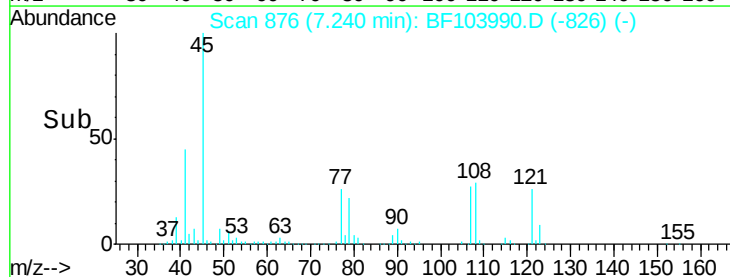
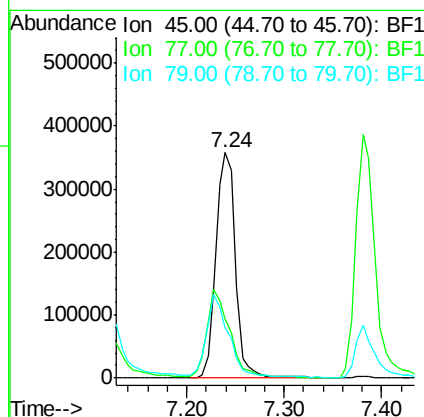
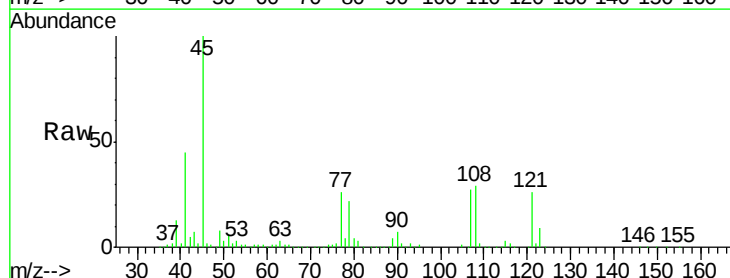
RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion:	45	Resp:	497379
Ion Ratio	Lower	Upper	
45	100		
77	26.4	0.0	32.9
79	22.1	0.0	29.6





#17

2-Methylphenol

Concen: 39.075 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

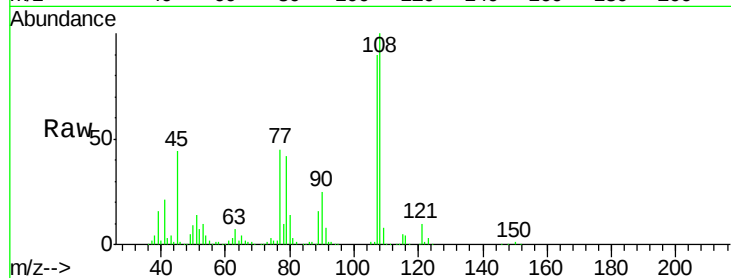
ClientSampleId :

SB-107(4-5)MSD

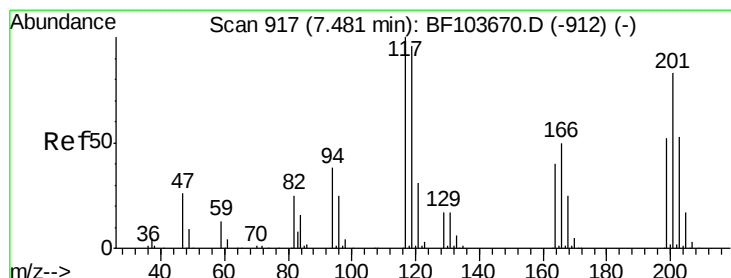
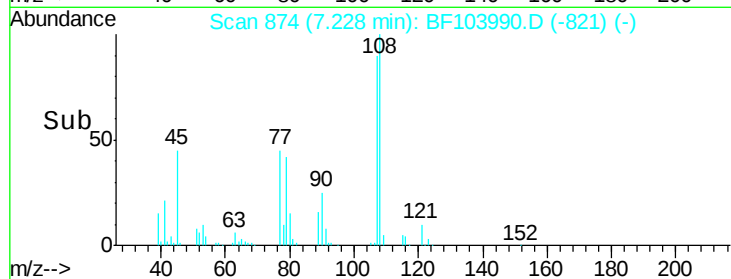
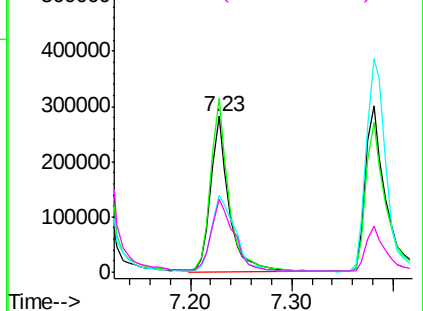
Tot Ion:	107	Resp:	353448
Ion Ratio	Lower	Upper	
107	100		
108	111.6	91.7	137.5
77	49.7	33.8	50.8
79	46.9	33.8	50.8

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Abundance Ion 107.00 (106.70 to 107.70): E
600000
Ion 108.00 (107.70 to 108.70): E
500000
Ion 77.00 (76.70 to 77.70): BF1
400000
Ion 79.00 (78.70 to 79.70): BF1
300000
200000
100000
0



#18

Hexachloroethane

Concen: 32.935 ng

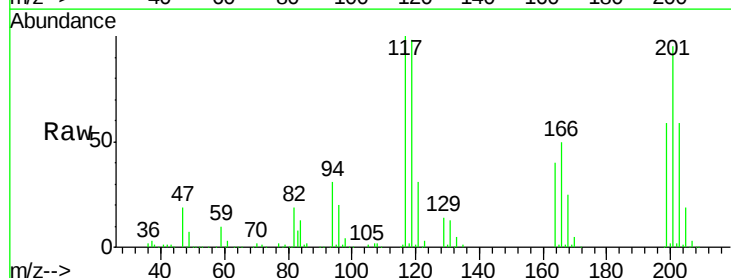
RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

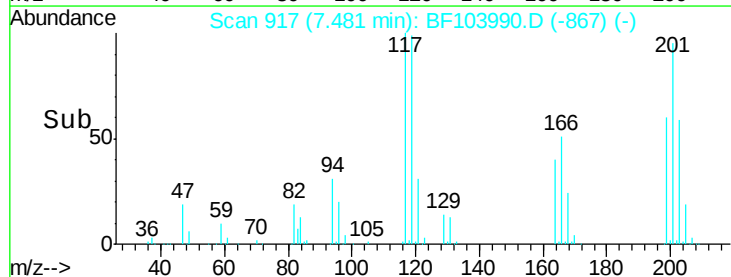
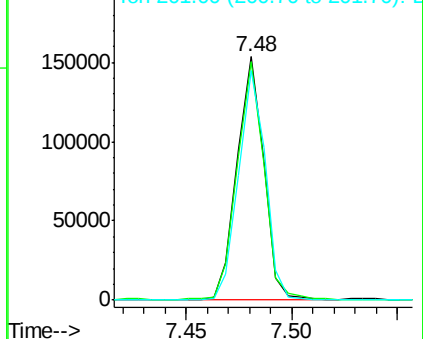
Lab File: BF103990.D

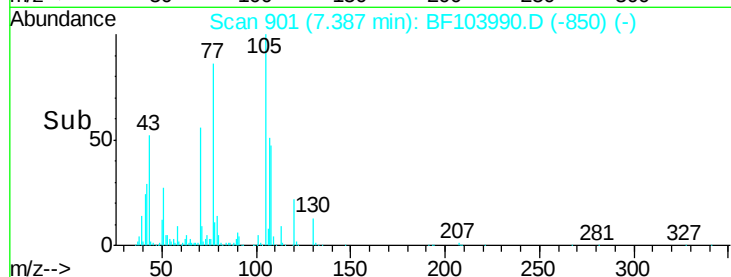
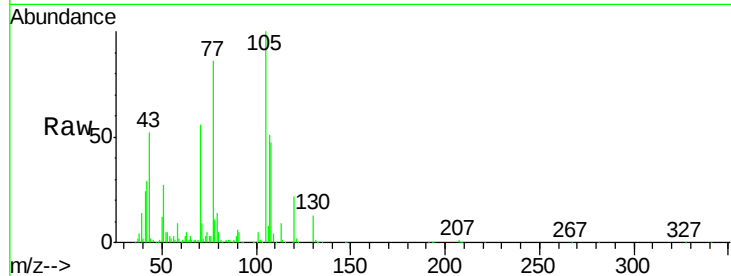
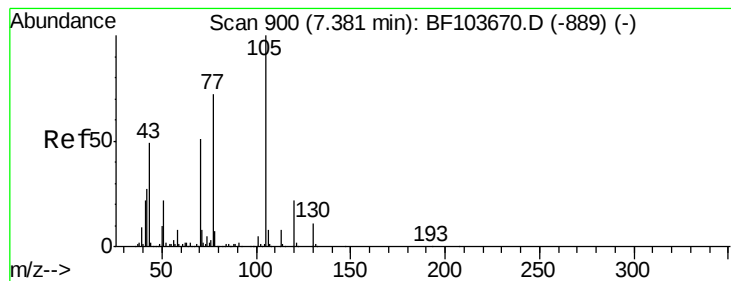
Acq: 28 Mar 2018 00:17

Tgt Ion:	117	Resp:	134677
Ion Ratio	Lower	Upper	
117	100		
119	98.1	75.8	113.8
201	94.5	75.7	113.5



Abundance Ion 117.00 (116.70 to 117.70): E
200000
Ion 119.00 (118.70 to 119.70): E
150000
Ion 201.00 (200.70 to 201.70): E
100000
50000
0





#19

n-Nitroso-di-n-propylamine

Concen: 36.607 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

ClientSampleId :

SB-107(4-5)MSD

Tot Ion: 70 Resp: 278300

Ion Ratio Lower Upper

70 100

42 51.6 47.5 71.3

101 9.6 7.4 11.2

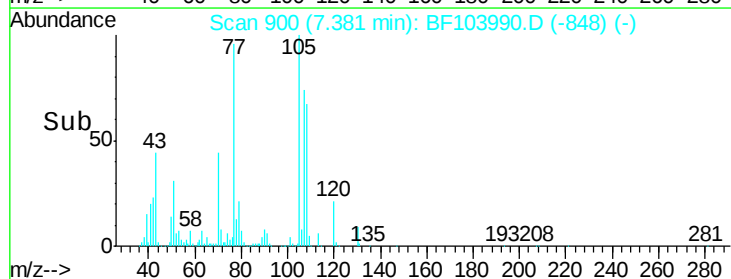
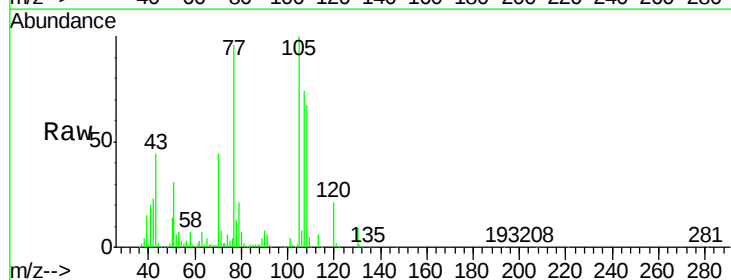
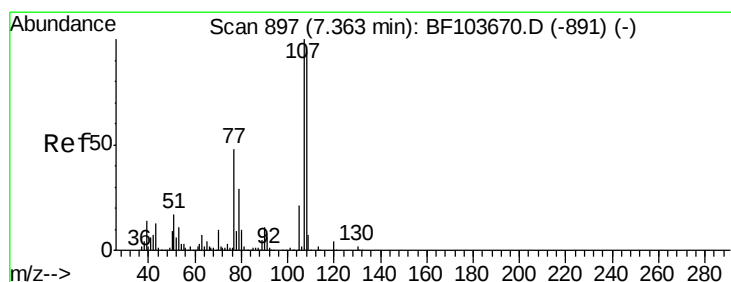
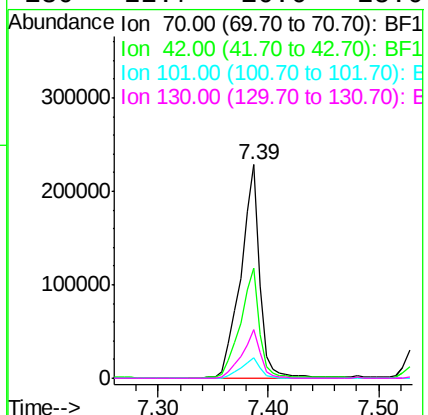
130 22.7 16.6 25.0

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#20

3+4-Methylphenols

Concen: 37.525 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion: 107 Resp: 430755

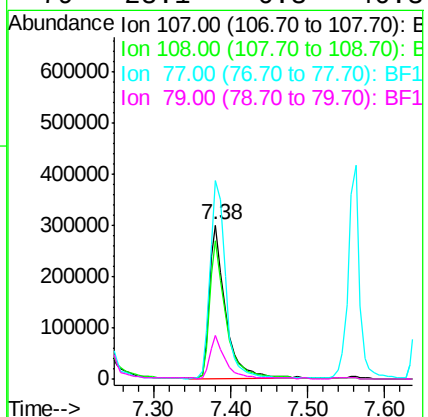
Ion Ratio Lower Upper

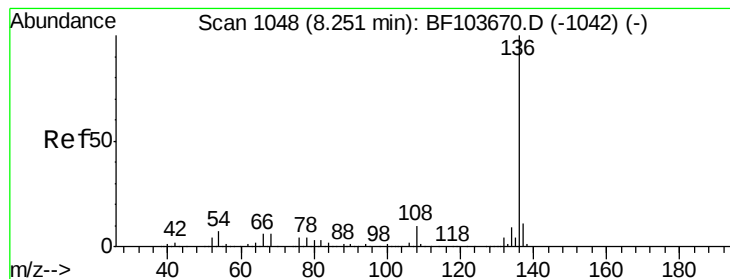
107 100

108 90.2 68.2 108.2

77 128.7 26.7 66.7#

79 28.1 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: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

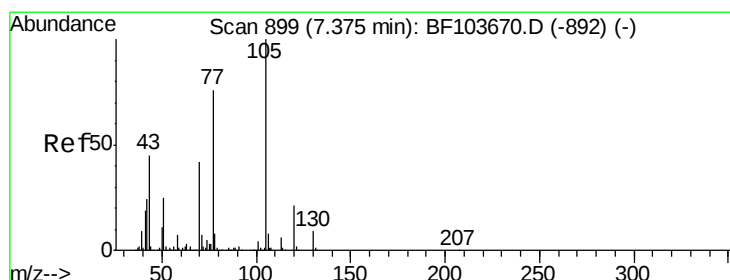
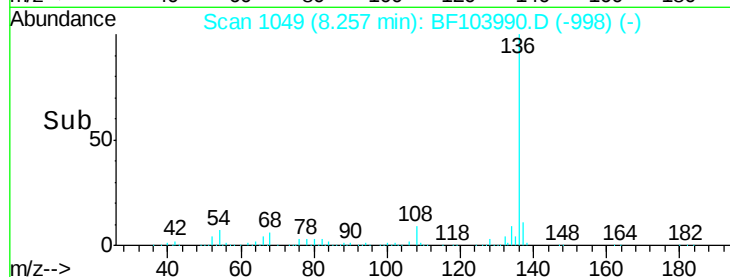
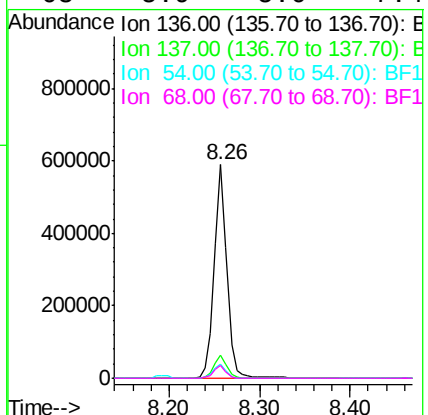
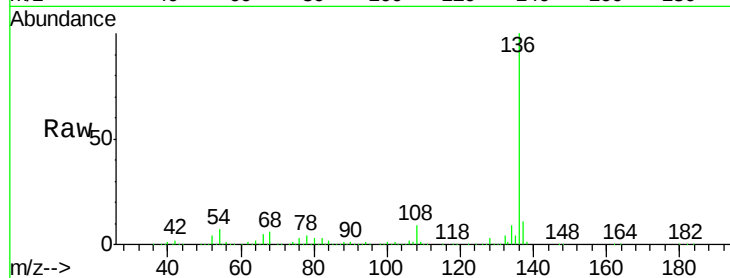
ClientSampleId :

SB-107(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	579235		
137	11.0	8.9	13.3	
54	6.7	6.6	9.8	
68	5.9	5.0	7.4	

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#22

Acetophenone

Concen: 38.381 ng

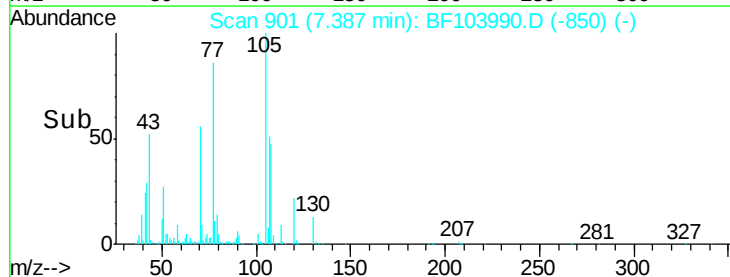
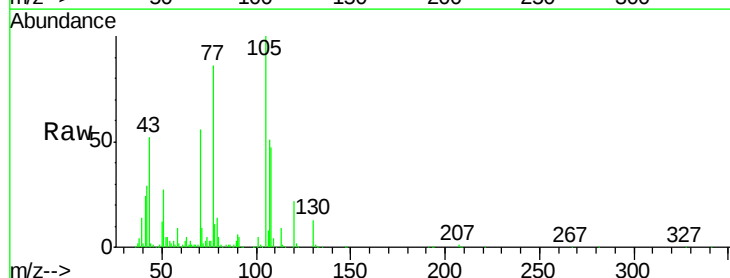
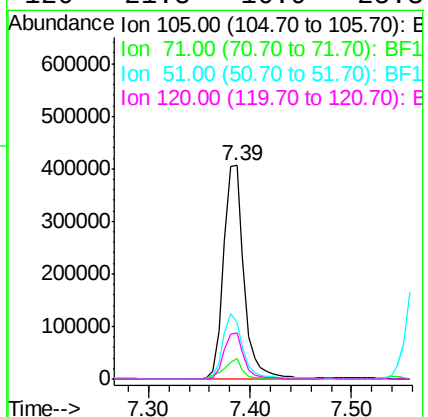
RT: 7.39 min Scan# 901

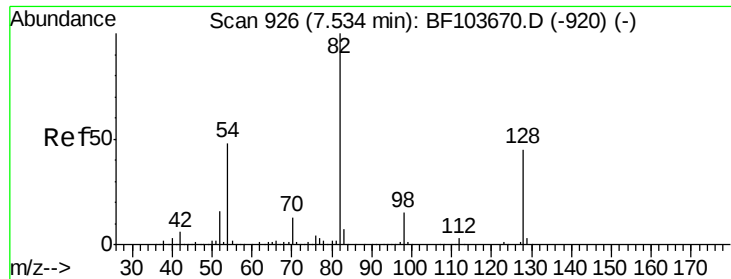
Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	571360		
71	9.5	4.4	6.6#	
51	26.6	22.3	33.5	
120	21.8	16.9	25.3	





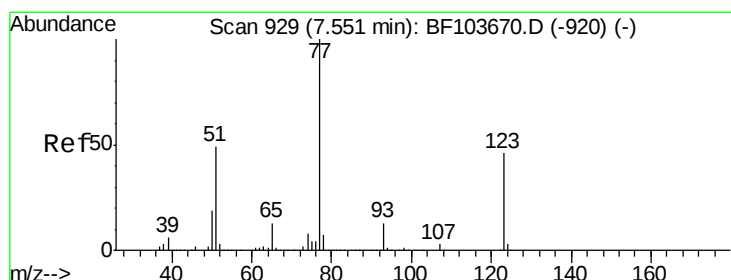
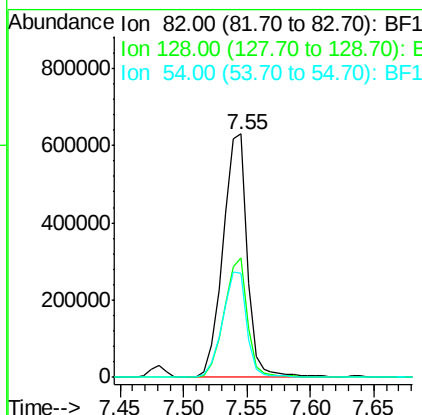
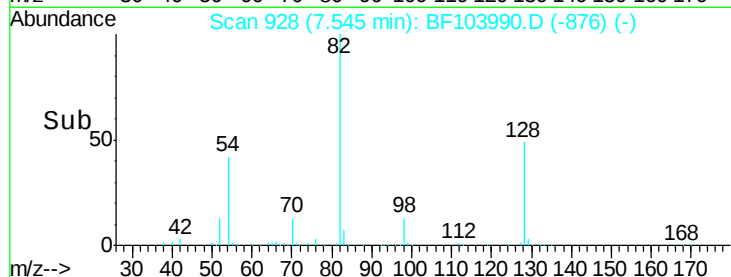
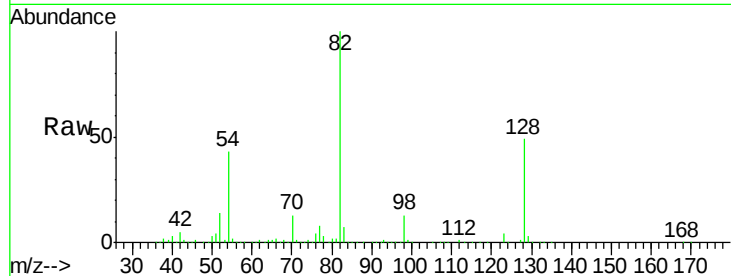
#23
 Nitrobenzene-d5
 Concen: 100.859 ng
 RT: 7.55 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	43.0	41.4	62.2

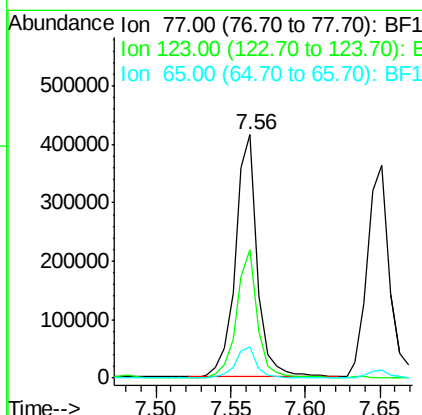
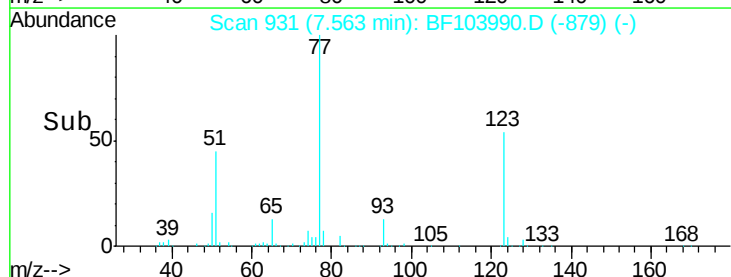
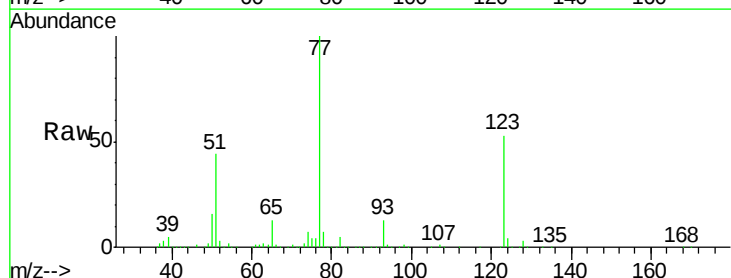
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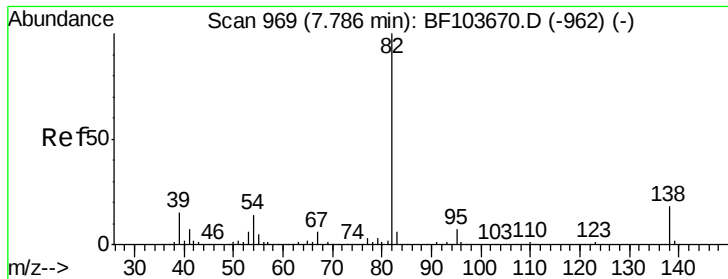
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#24
 Nitrobenzene
 Concen: 43.724 ng
 RT: 7.56 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.9	37.9	56.9
65	12.7	11.0	16.4





#25

Isophorone

Concen: 42.061 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

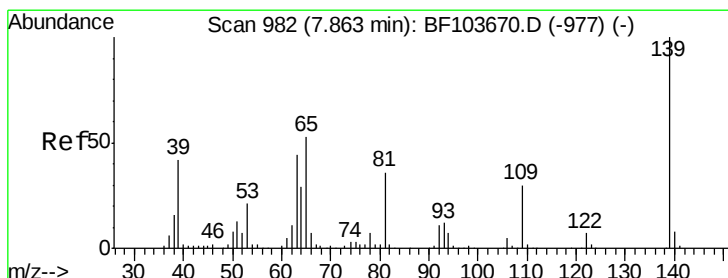
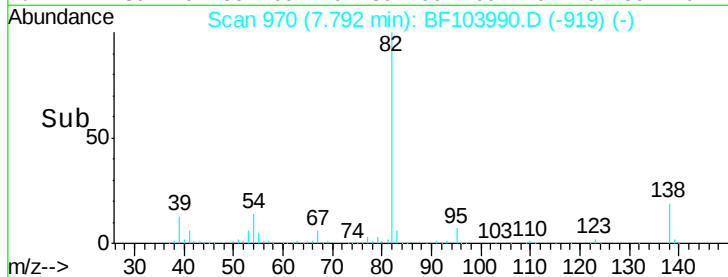
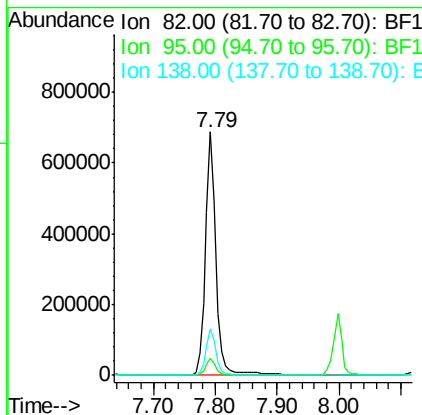
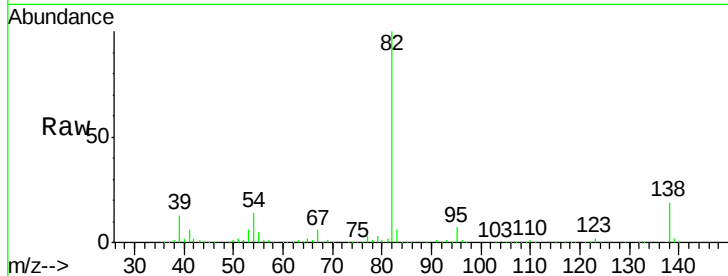
ClientSampleId :

SB-107(4-5)MSD

Tot Ion:	82	Resp:	808757
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.2	7.8
138	18.9	14.9	22.3

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#26

2-Nitrophenol

Concen: 50.768 ng

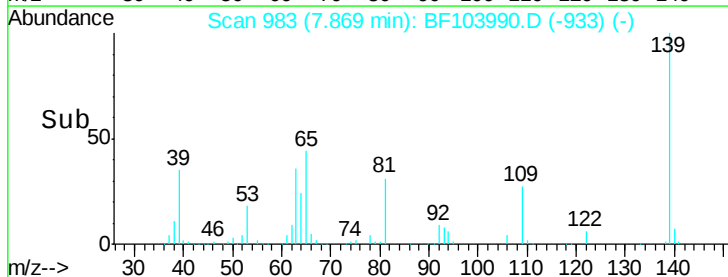
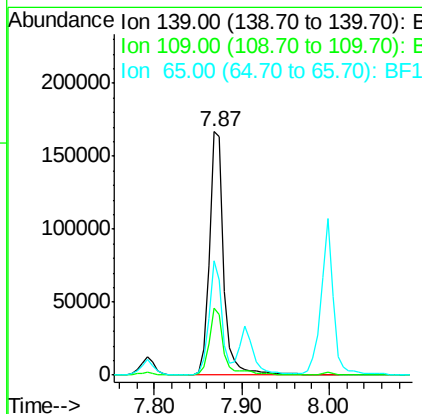
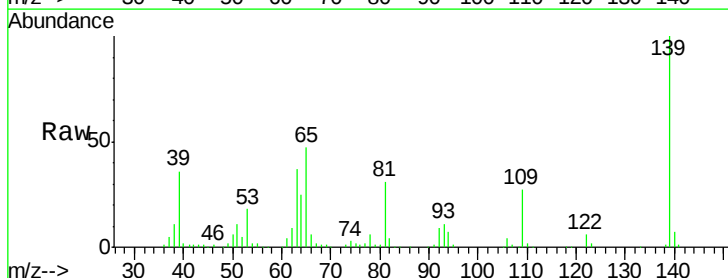
RT: 7.87 min Scan# 983

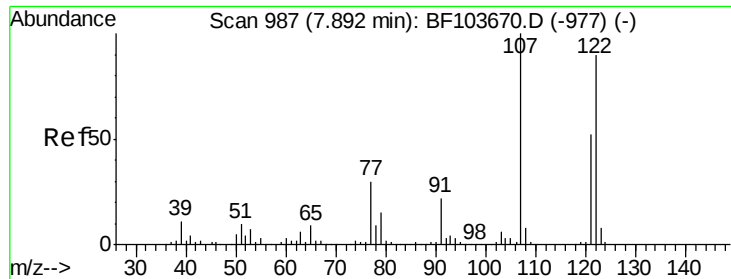
Delta R.T. -0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion:	139	Resp:	190870
Ion Ratio	Lower	Upper	
139	100		
109	27.3	22.7	34.1
65	46.9	40.5	60.7





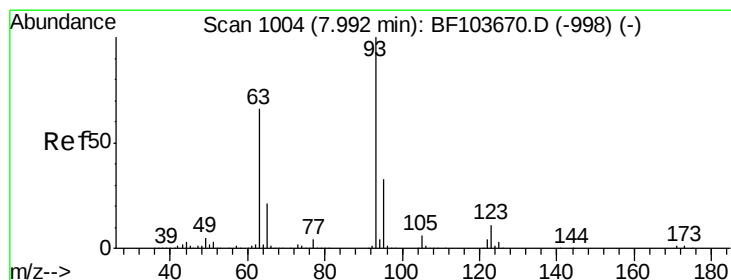
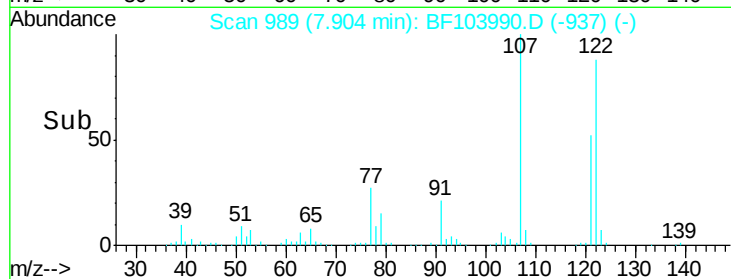
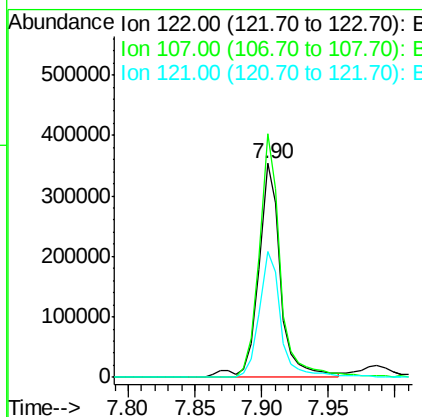
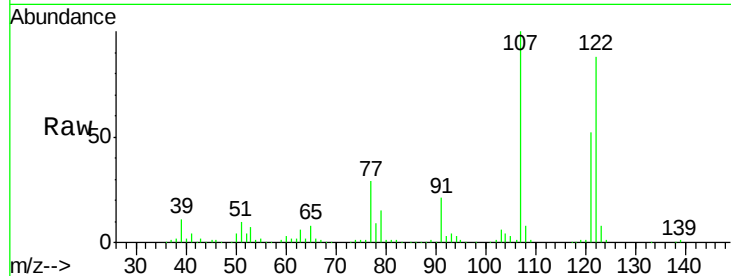
#27
2,4-Dimethylphenol
Concen: 48.295 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.7	91.2	136.8
121	58.8	47.2	70.8

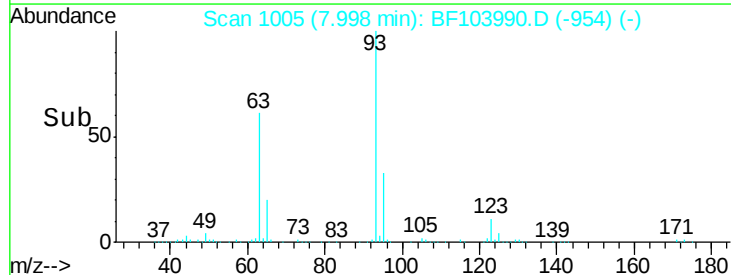
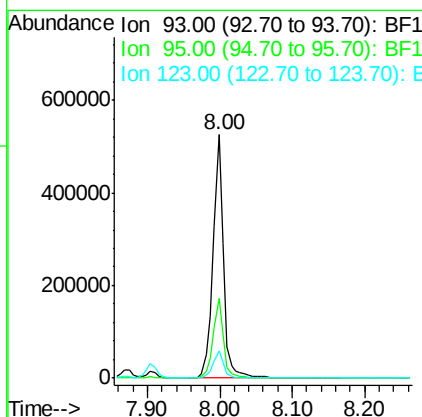
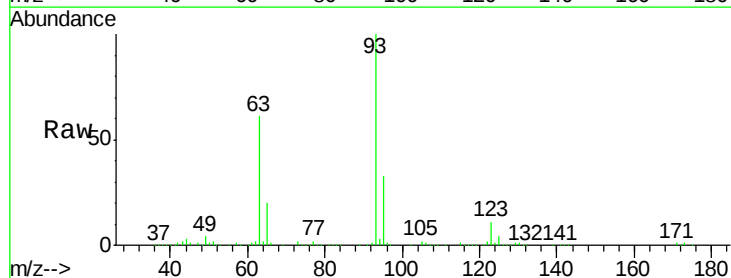
Manual Integrations
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#28
bis(2-Chloroethoxy)methane
Concen: 45.180 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.3	39.5
123	11.4	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 48.058 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

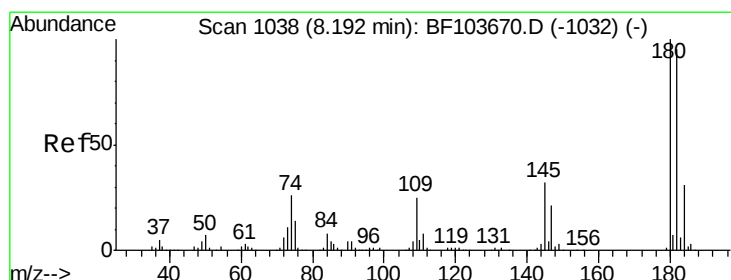
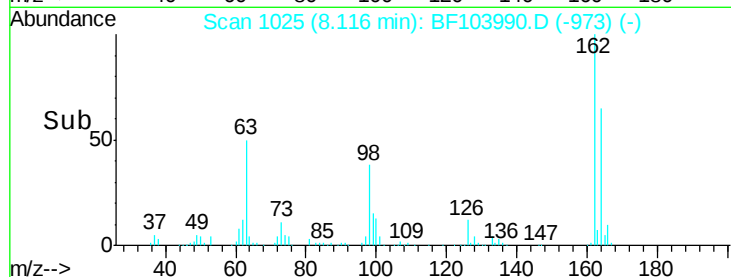
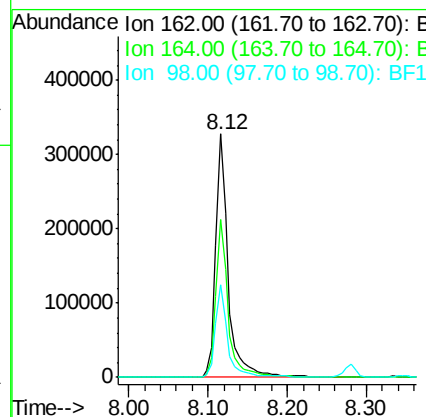
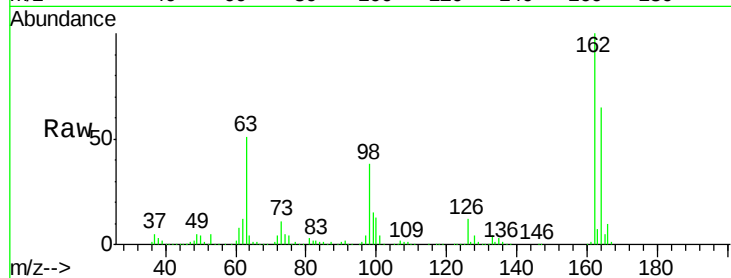
ClientSampleId :

SB-107(4-5)MSD

Tot Ion:	162	Resp:	360154
Ion Ratio	Lower	Upper	
162	100		
164	65.0	42.7	82.7
98	38.0	18.1	58.1

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#30

1,2,4-Trichlorobenzene

Concen: 42.162 ng

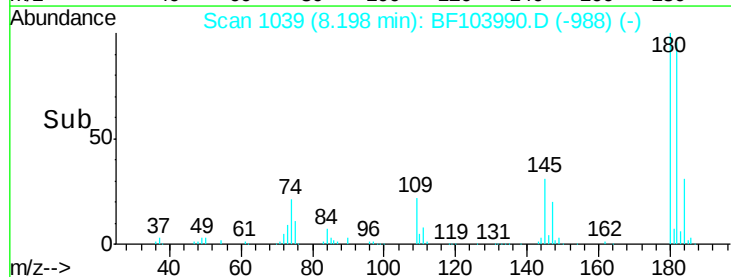
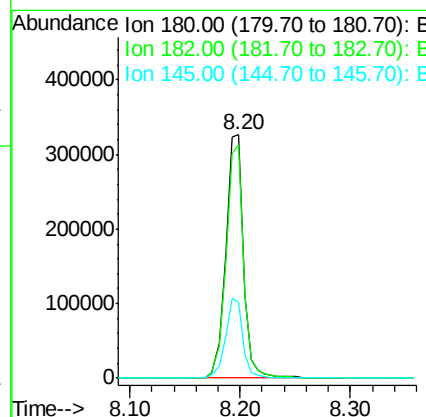
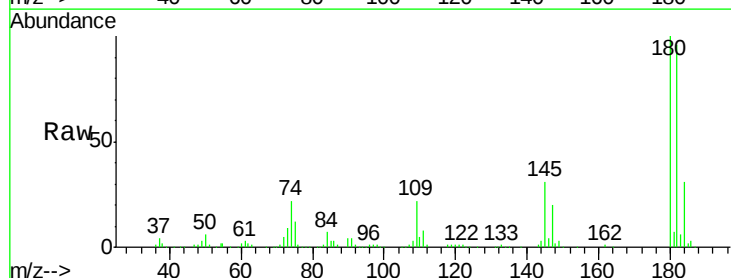
RT: 8.20 min Scan# 1039

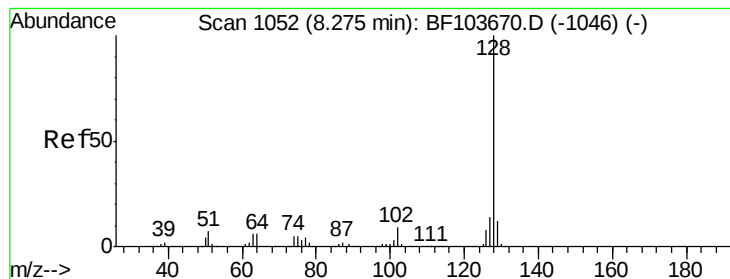
Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion:	180	Resp:	366477
Ion Ratio	Lower	Upper	
180	100		
182	95.8	76.8	115.2
145	31.0	26.5	39.7





#31

Naphthalene

Concen: 44.719 ng

RT: 8.28 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

ClientSampleId :

SB-107(4-5)MSD

Tot Ion:128 Resp: 1308463

Ion Ratio Lower Upper

128 100

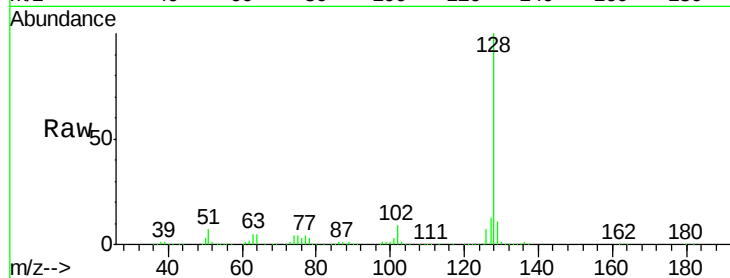
129 11.4 8.8 13.2

127 13.3 10.9 16.3

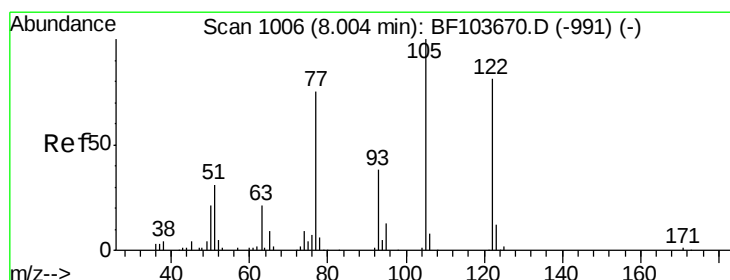
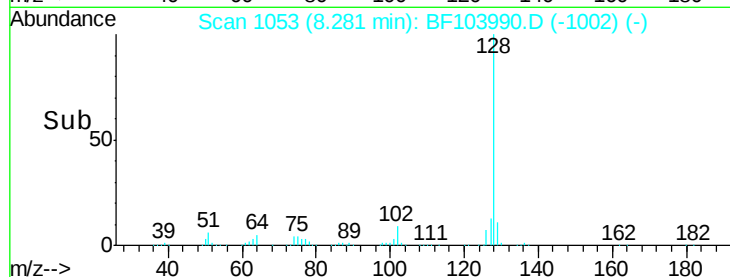
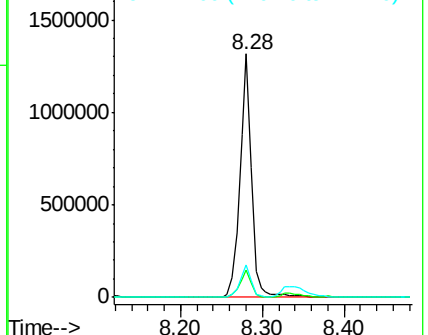
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 16.400 ng m

RT: 7.99 min Scan# 1003

Delta R.T. -0.03 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

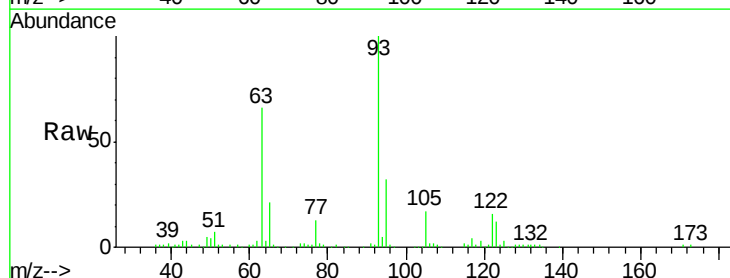
Tgt Ion:122 Resp: 47567

Ion Ratio Lower Upper

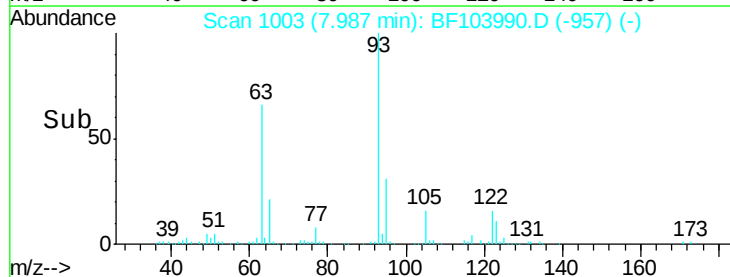
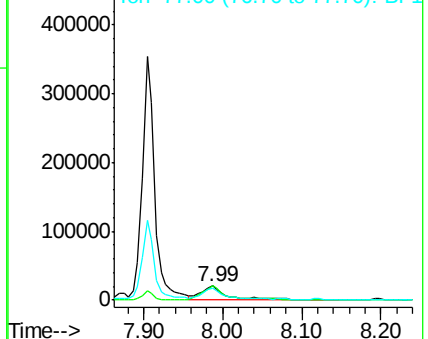
122 100

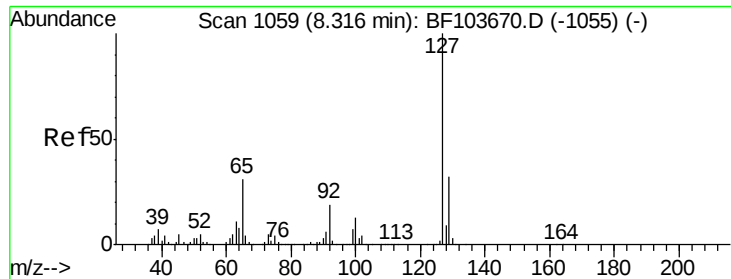
105 105.9 101.1 141.1

77 84.7 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





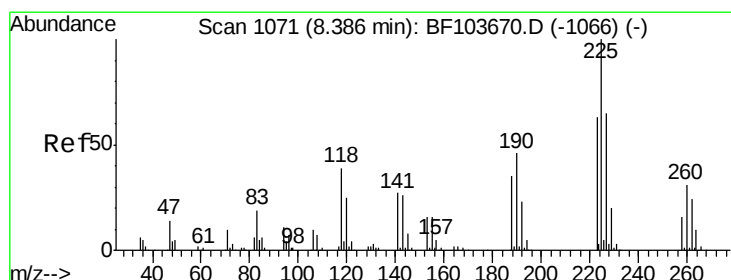
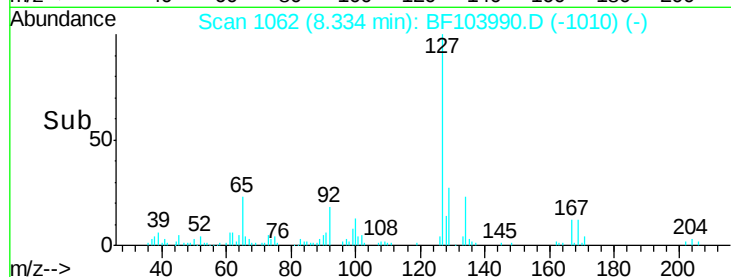
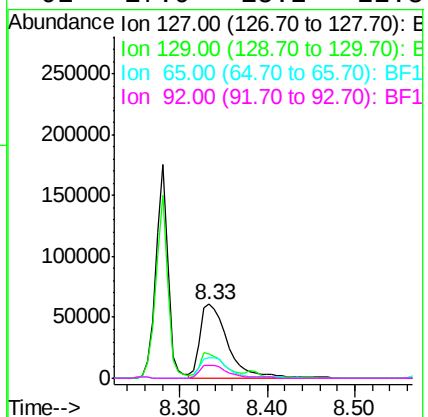
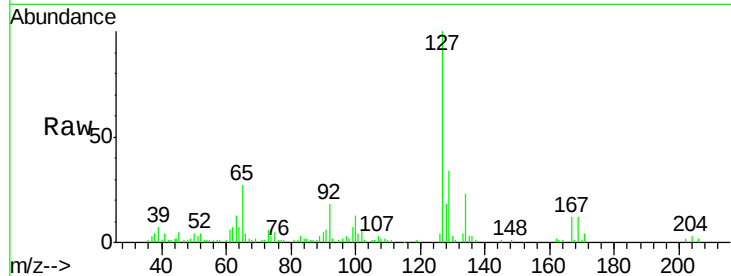
#33
4-Chloroaniline
Concen: 10.960 ng
RT: 8.33 min Scan# 1062
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.5	25.9	38.9		
65	27.1	25.0	37.4		
92	17.9	15.2	22.8		

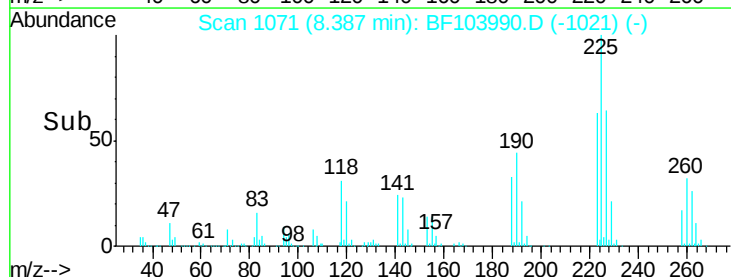
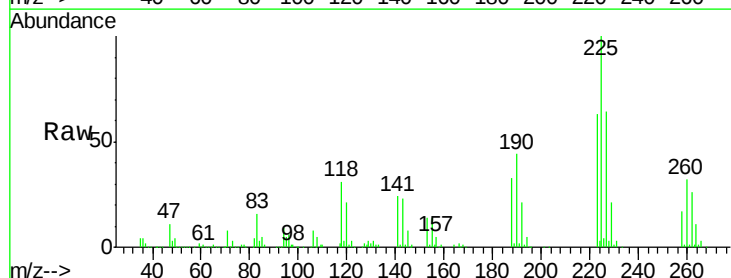
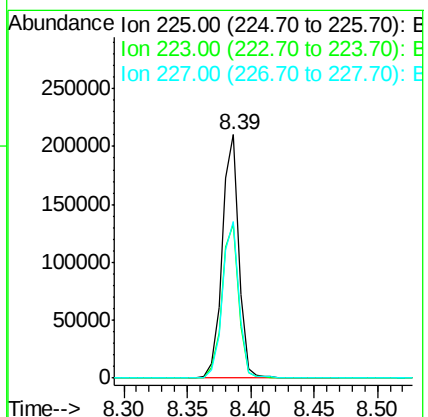
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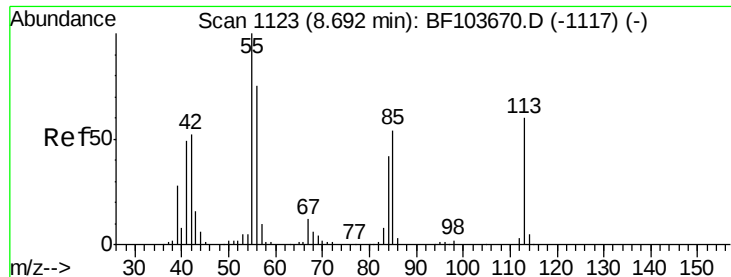
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#34
Hexachlorobutadiene
Concen: 40.684 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.1	50.6	76.0		
227	64.4	51.9	77.9		





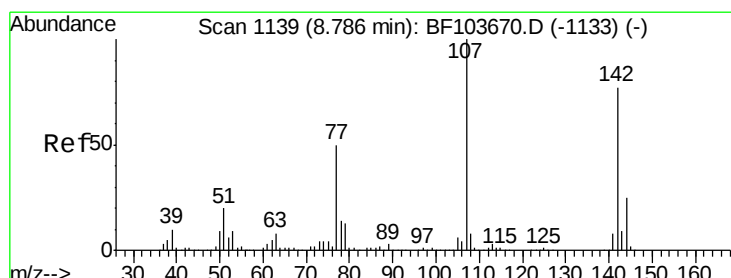
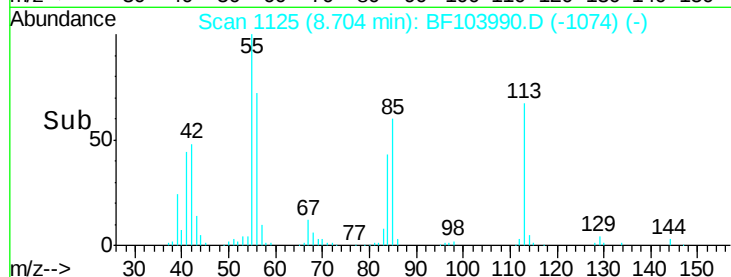
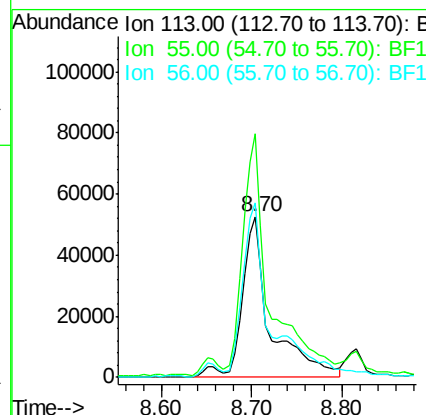
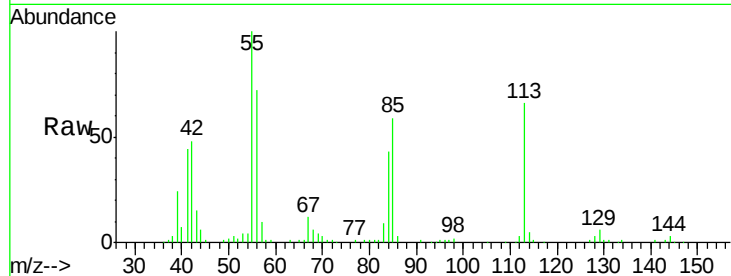
#35
 Caprolactam
 Concen: 45.274 ng/ml
 RT: 8.70 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	151.2	163.3	203.3#
56	108.2	115.7	155.7#

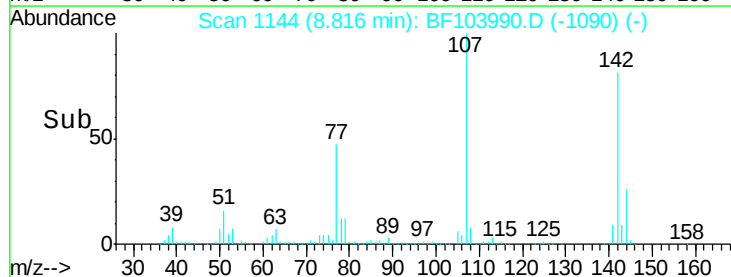
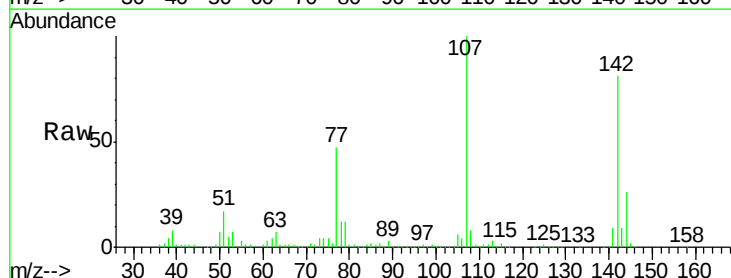
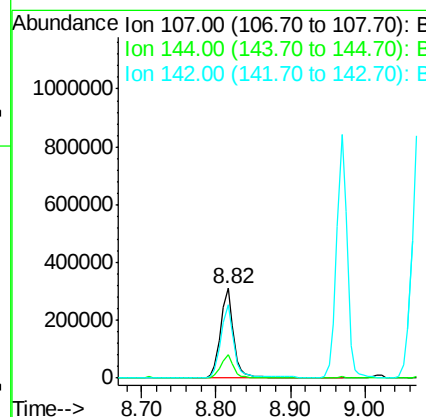
Manual Integrations
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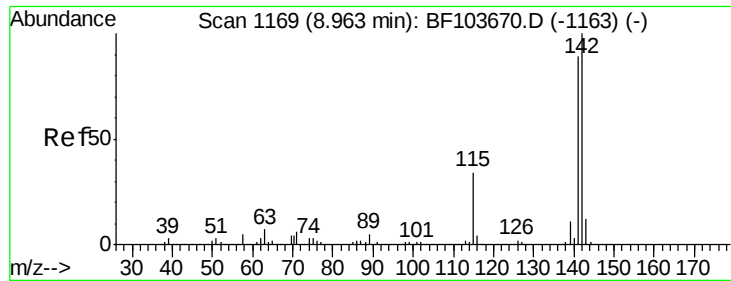
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#36
 4-Chloro-3-methylphenol
 Concen: 45.921 ng/ml
 RT: 8.82 min Scan# 1144
 Delta R.T. 0.02 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.5	30.7
142	81.4	62.0	93.0





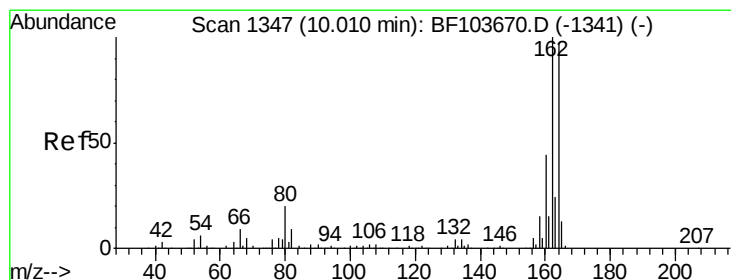
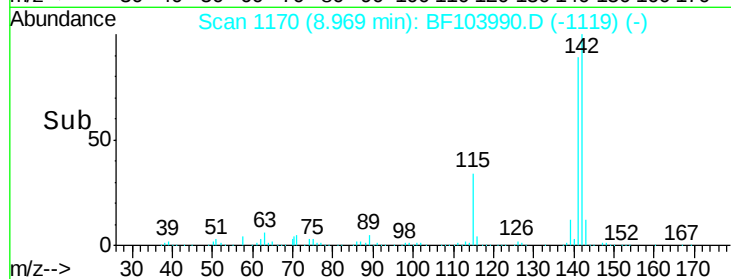
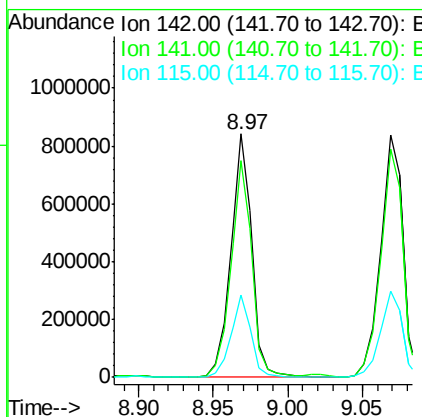
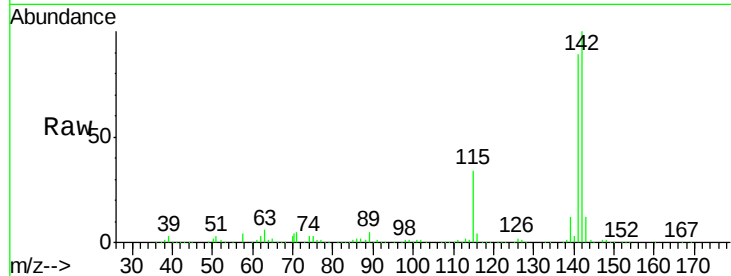
#37
2-Methylnaphthalene
Concen: 44.816 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	34.1	26.1	39.1

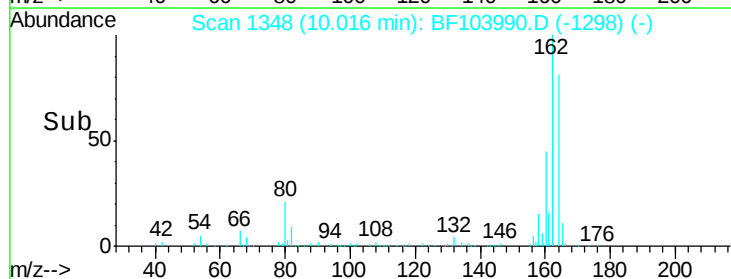
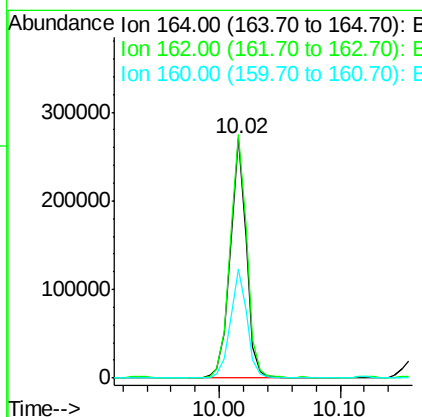
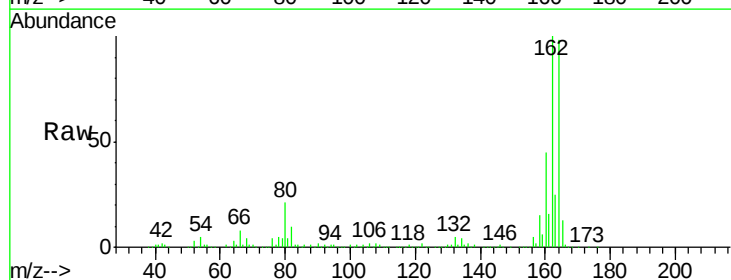
Manual Integrations
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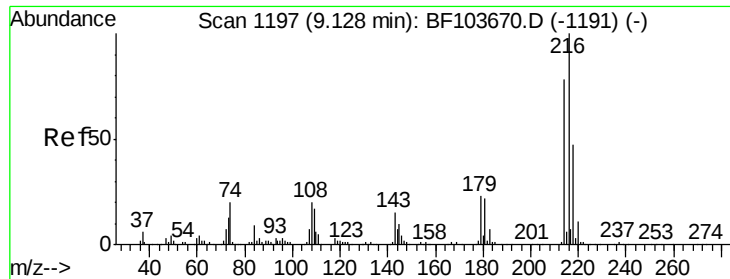
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	45.5	38.3	57.5





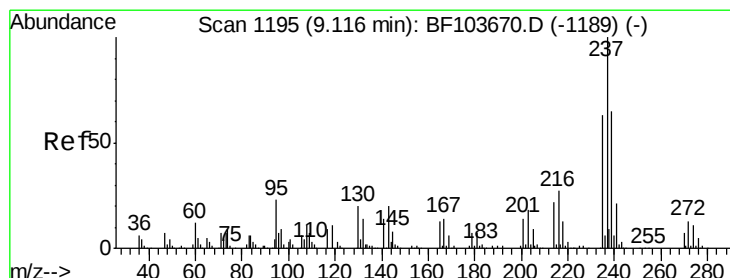
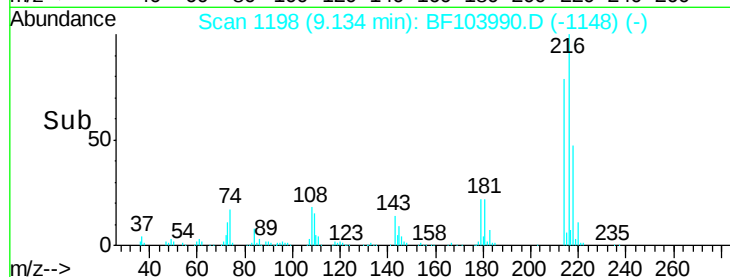
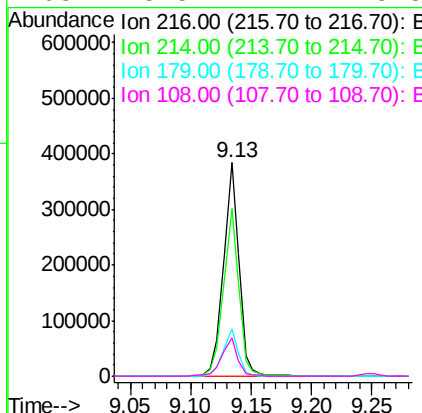
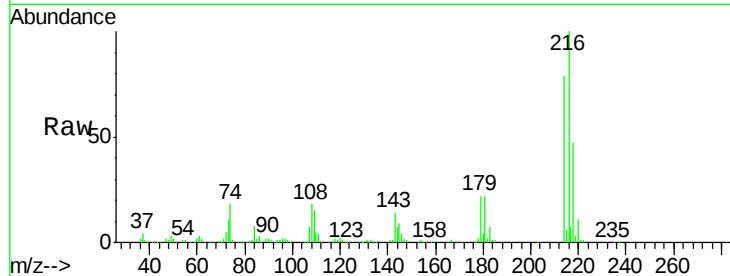
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.290 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100				
214	78.6		63.0	94.4	
179	22.0		18.1	27.1	
108	18.5		17.2	25.8	

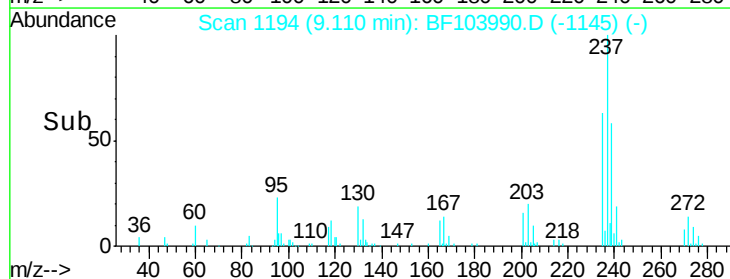
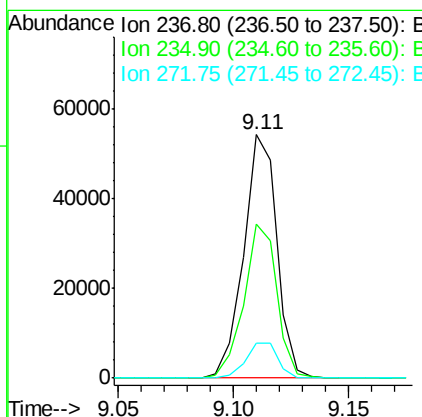
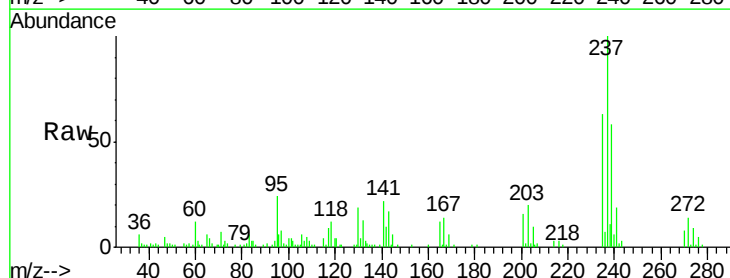
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#40
 Hexachlorocyclopentadiene
 Concen: 14.696 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	63.2		44.8	84.8	
272	14.1		0.0	33.3	





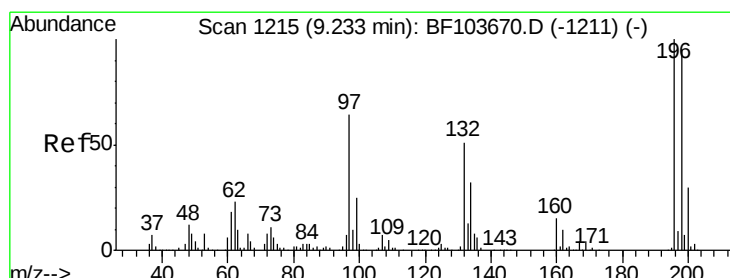
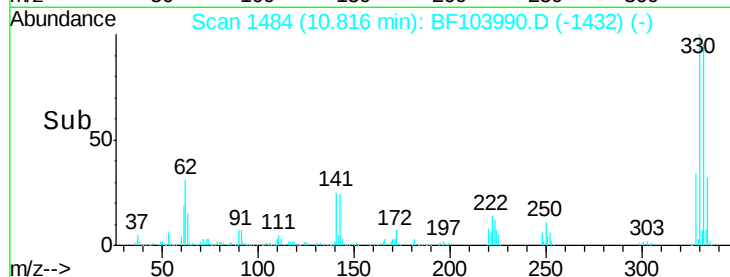
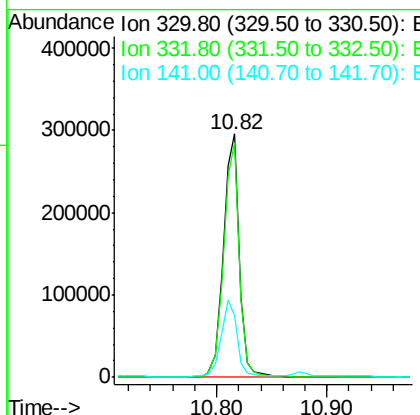
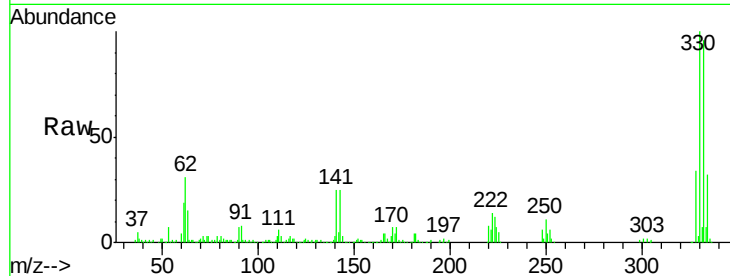
#41
 2,4,6-Tribromophenol
 Concen: 137.342 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	298630		
332	95.7	77.0	115.6	
141	31.8	29.9	44.9	

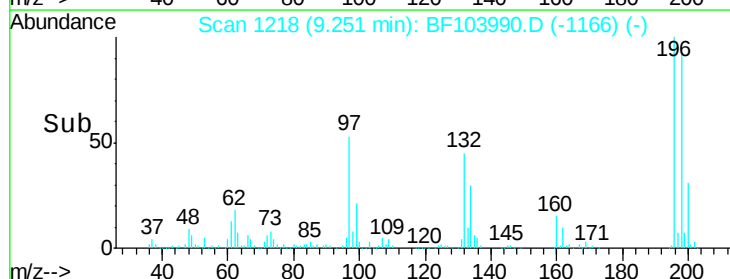
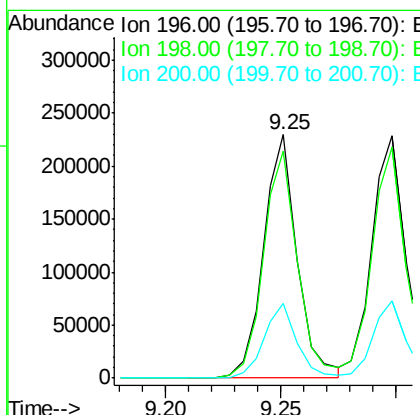
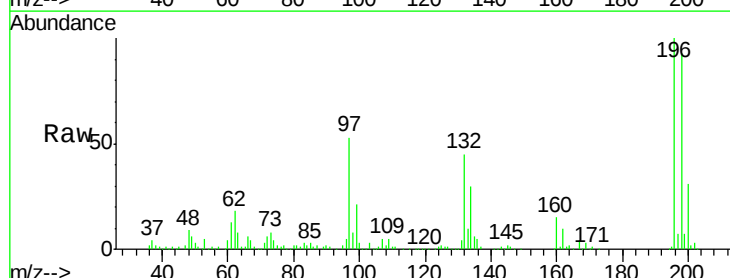
Manual Integrations
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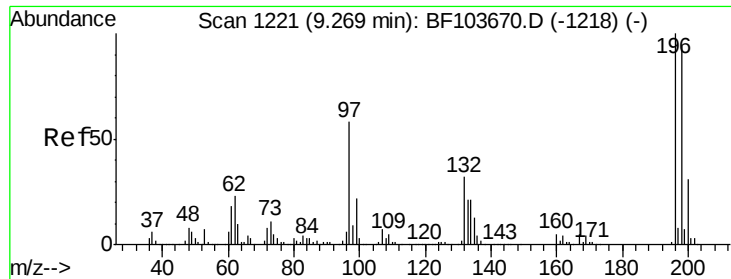
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#42
 2,4,6-Trichlorophenol
 Concen: 50.336 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	232282		
198	93.1	75.7	113.5	
200	30.6	24.5	36.7	





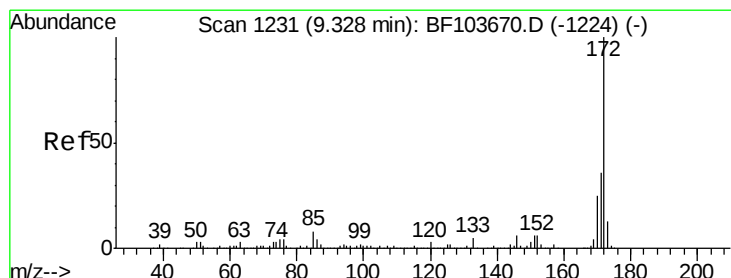
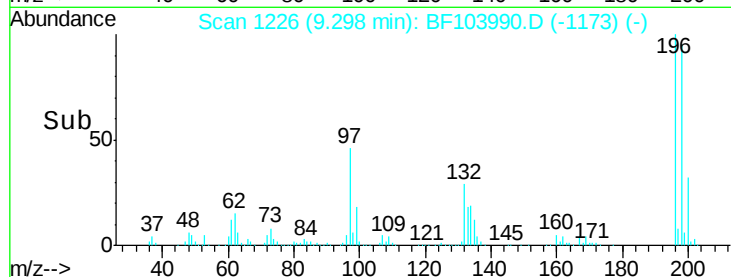
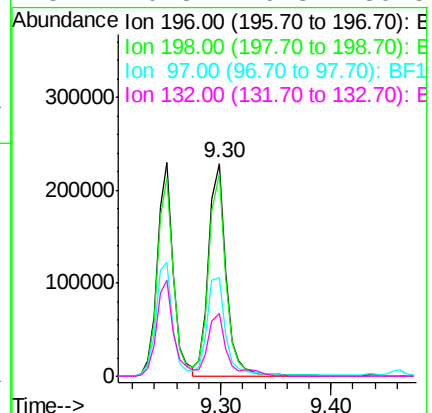
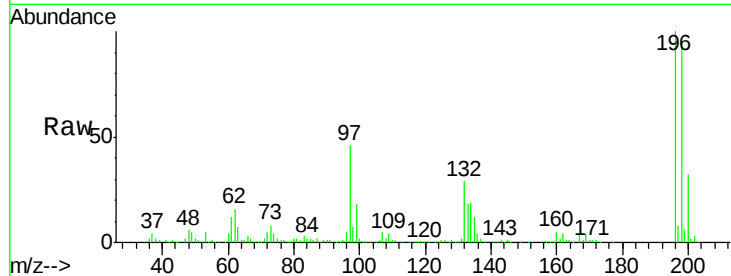
#43
 2,4,5-Trichlorophenol
 Concen: 46.997 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		244782		
198	95.2	74.6	112.0		
97	46.4	42.9	64.3		
132	29.3	26.3	39.5		

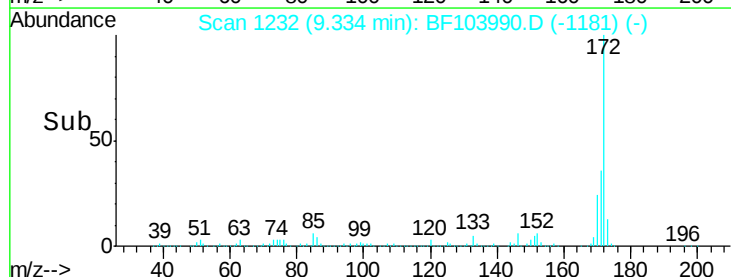
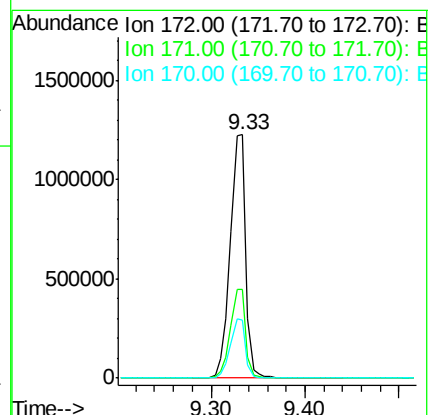
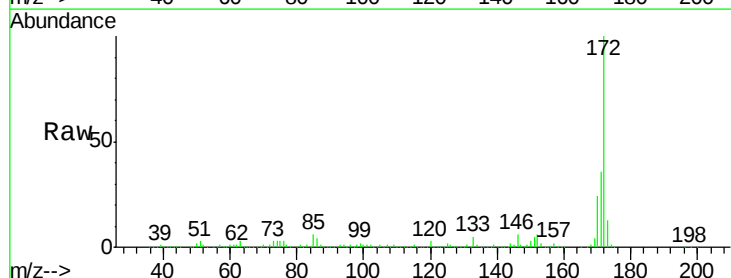
Manual Integrations
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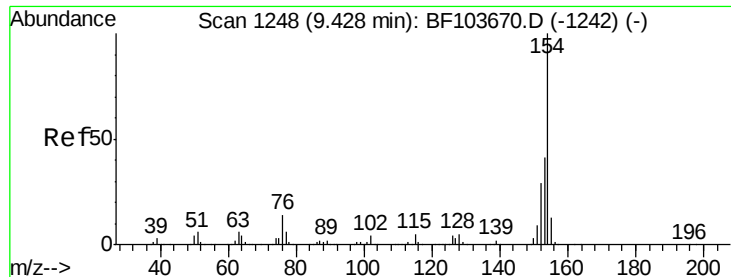
Sohil
 3/28/2018 4:54:49 PM



#44
 2-Fluorobiphenyl
 Concen: 89.342 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1416394		
171	36.2	29.7	44.5		
170	24.0	19.6	29.4		





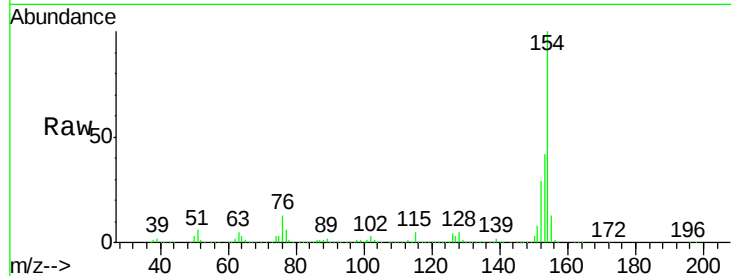
#45
1,1'-Biphenyl
Concen: 45.164 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampled :
SB-107(4-5)MSD

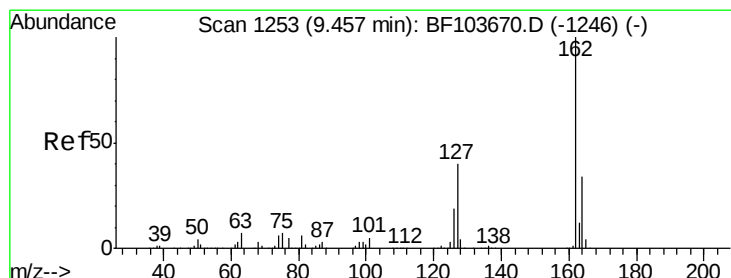
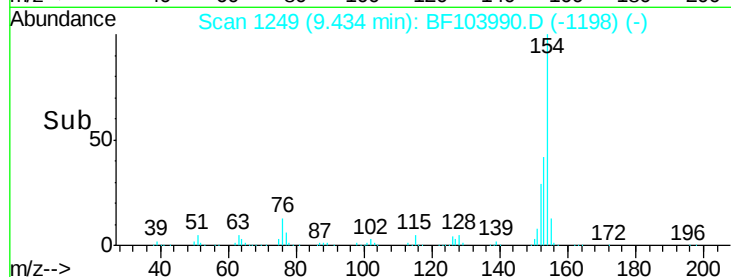
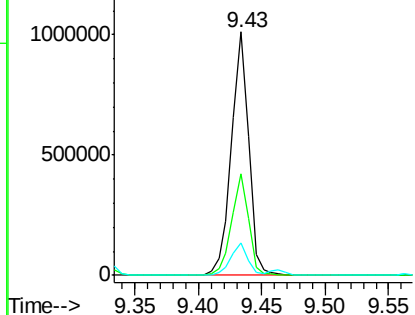
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.7	21.3	61.3
76	13.4	0.0	34.0

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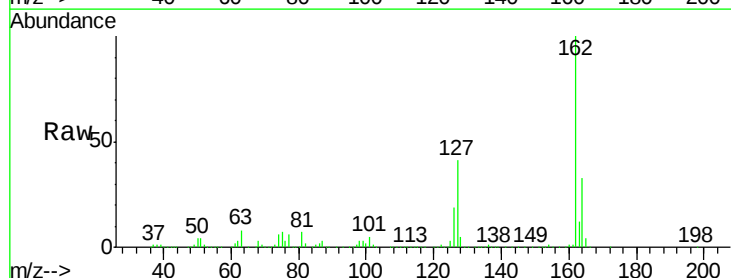


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

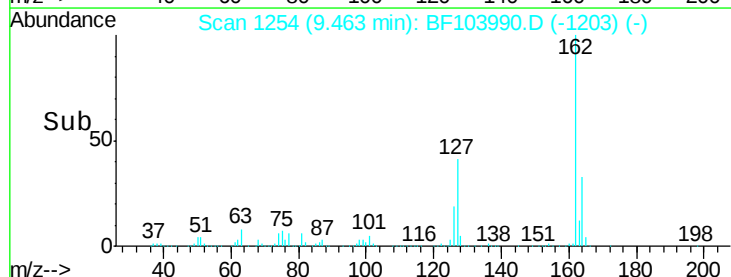
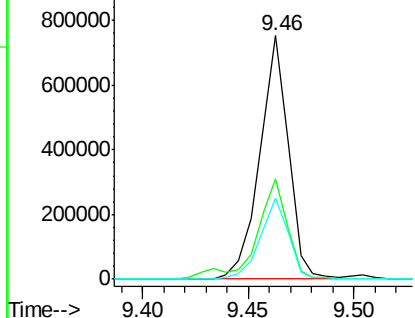


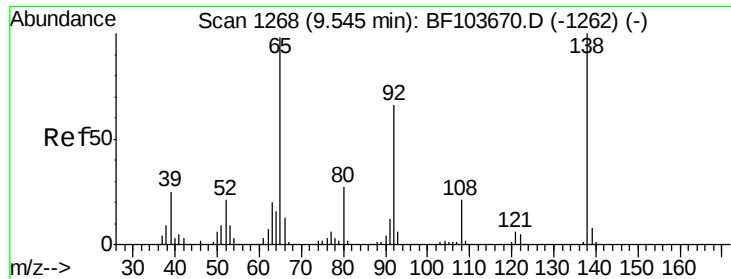
#46
2-Chloronaphthalene
Concen: 42.629 ng
RT: 9.46 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.2	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





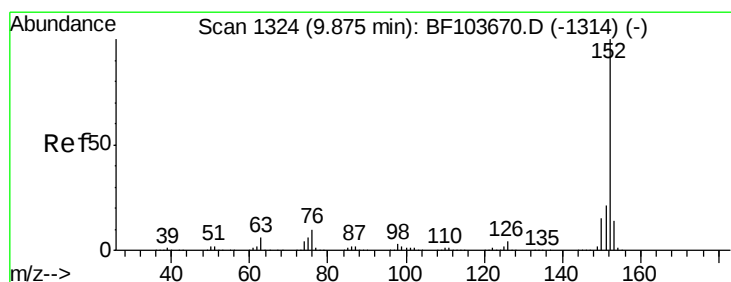
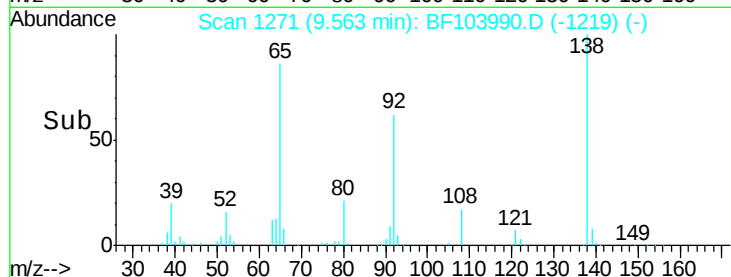
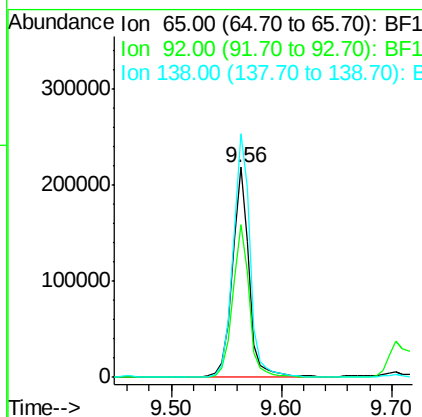
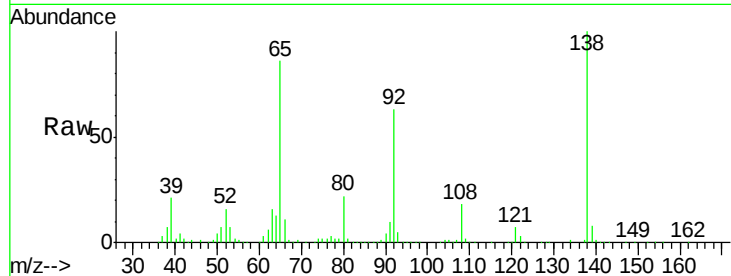
#47
2-Nitroaniline
Concen: 51.570 ng
RT: 9.56 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	72.6	55.8	83.6
138	115.8	91.2	136.8

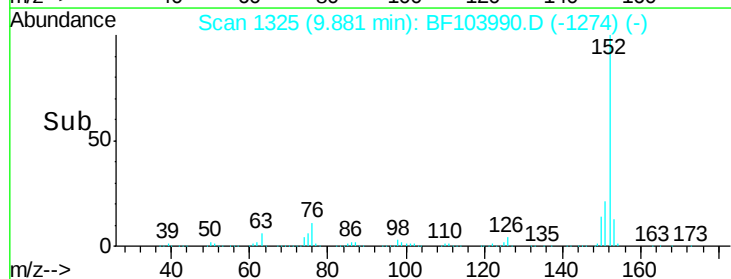
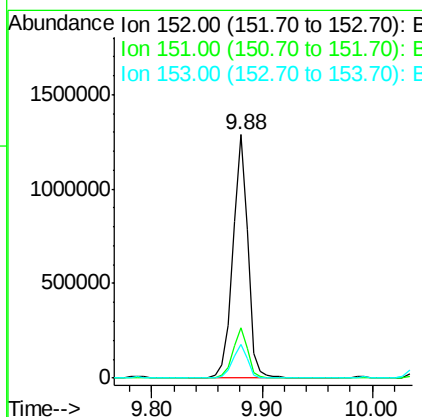
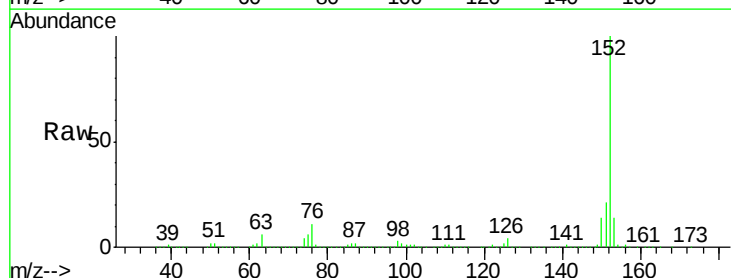
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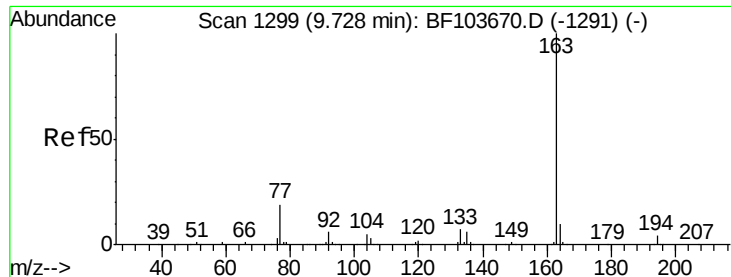
Sohil
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#48
Acenaphthylene
Concen: 47.562 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.6	10.7	16.1





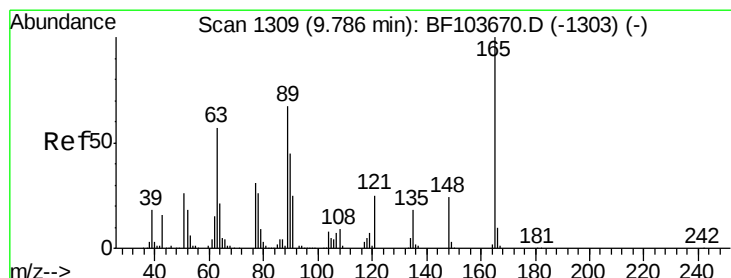
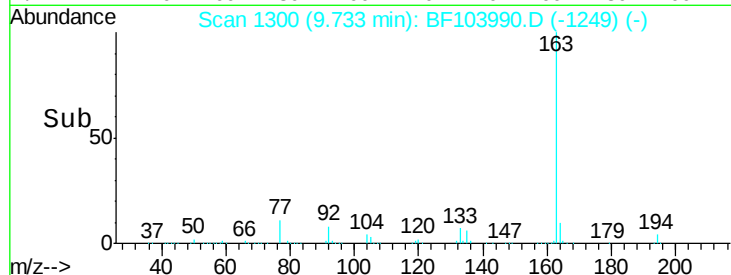
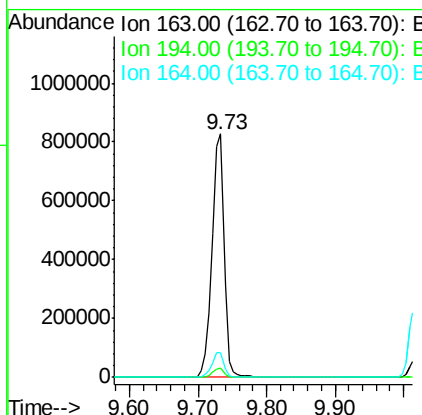
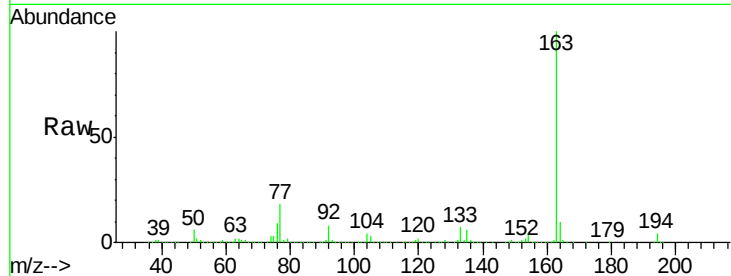
#49
Dimethylphthalate
Concen: 52.304 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion:163 Resp: 1009164
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.1 8.2 12.2

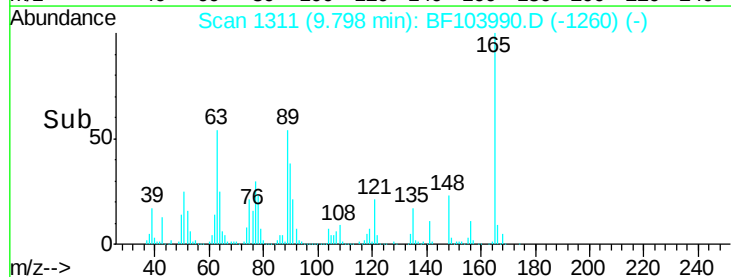
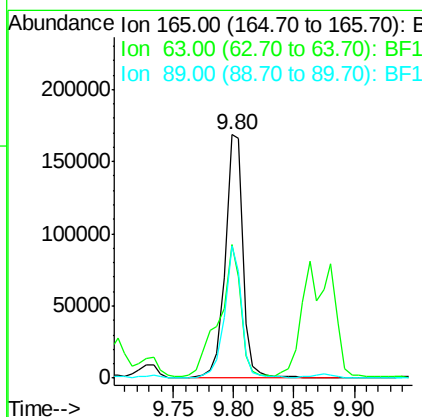
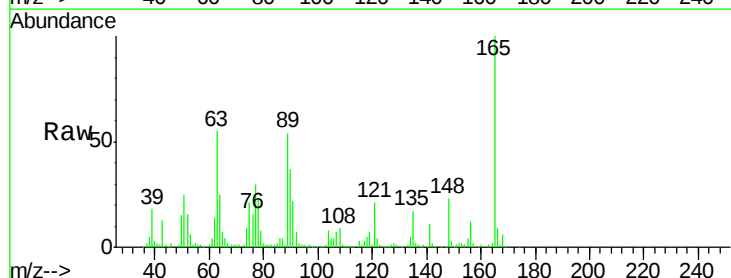
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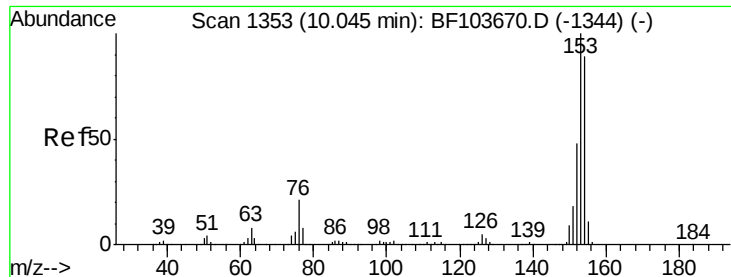
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#50
2,6-Dinitrotoluene
Concen: 46.445 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion:165 Resp: 172823
Ion Ratio Lower Upper
165 100
63 54.7 44.7 67.1
89 54.4 44.0 66.0





#51

Acenaphthene

Concen: 42.456 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

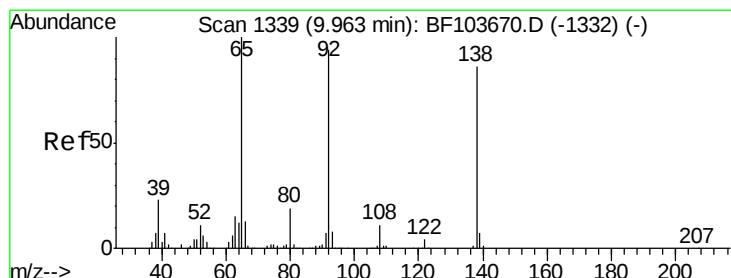
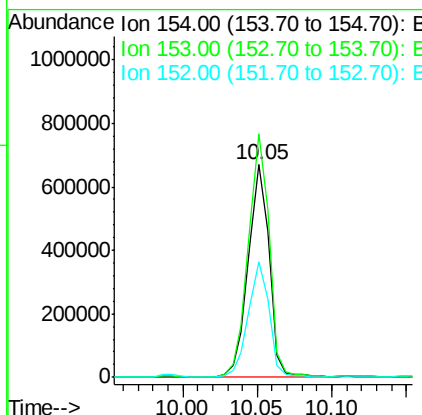
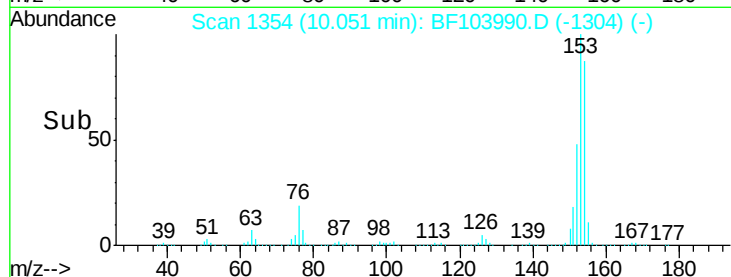
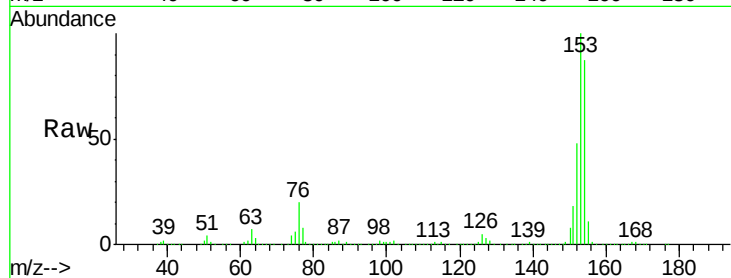
ClientSampleId :

SB-107(4-5)MSD

Tot Ion:	154	Resp:	654725
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.2	136.8
152	54.6	43.8	65.8

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#52

3-Nitroaniline

Concen: 35.697 ng

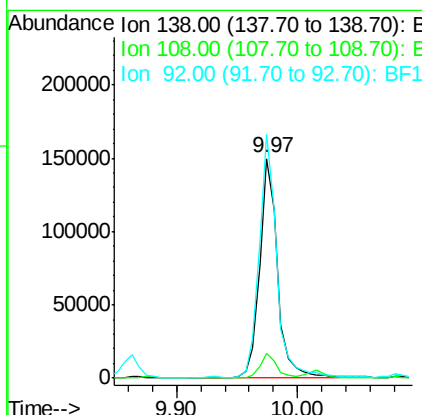
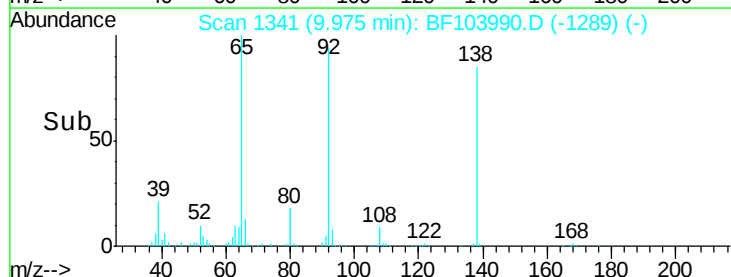
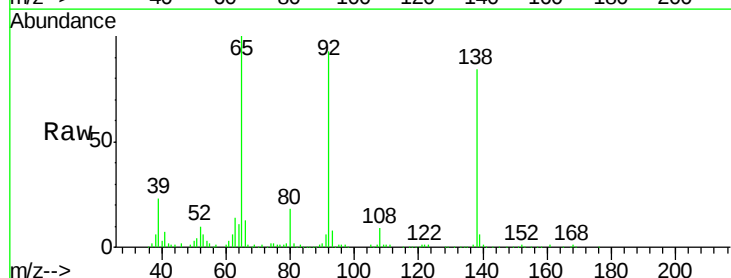
RT: 9.97 min Scan# 1341

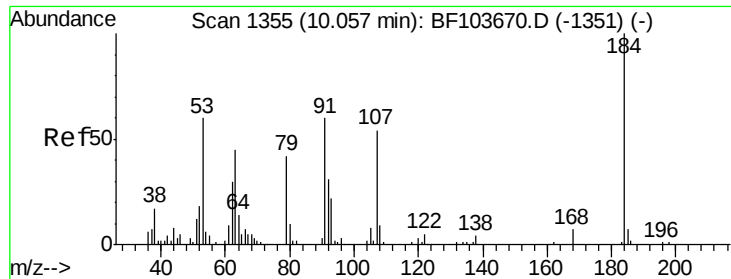
Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion:	138	Resp:	154926
Ion Ratio	Lower	Upper	
138	100		
108	11.0	9.4	14.0
92	110.8	89.4	134.2





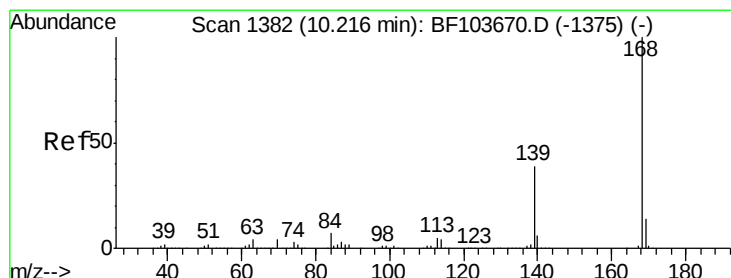
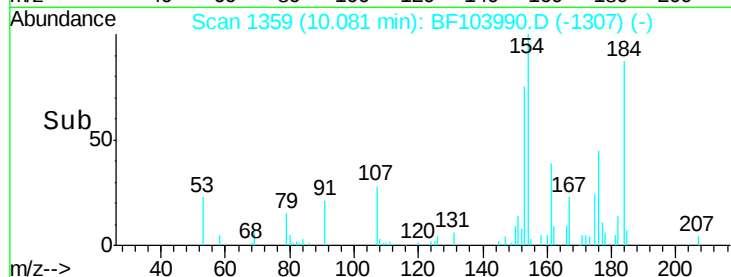
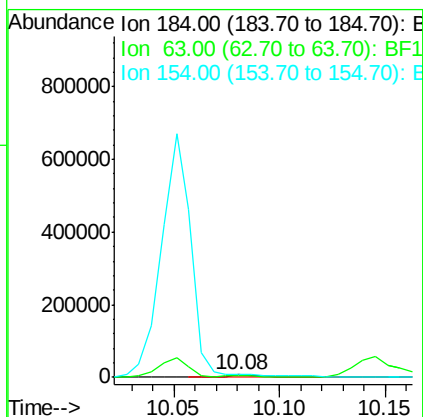
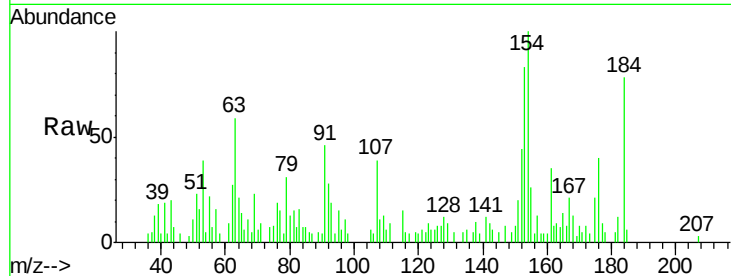
#53
2,4-Dinitrophenol
Concen: 21.163 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	75.9	54.2	81.2
154	128.8	184.0	276.0#

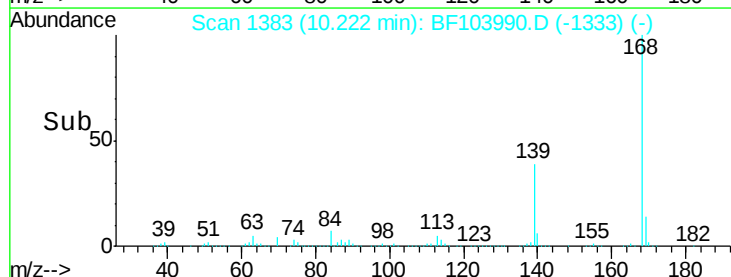
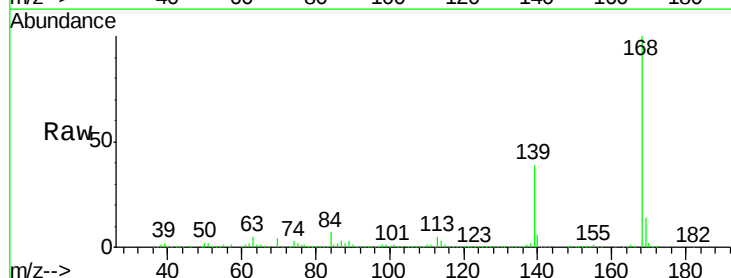
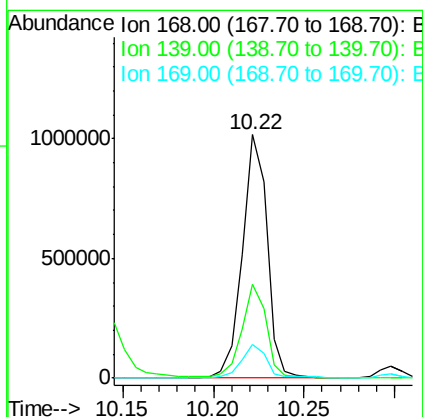
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#54
Dibenzofuran
Concen: 43.603 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.1	45.1
169	13.7	10.9	16.3





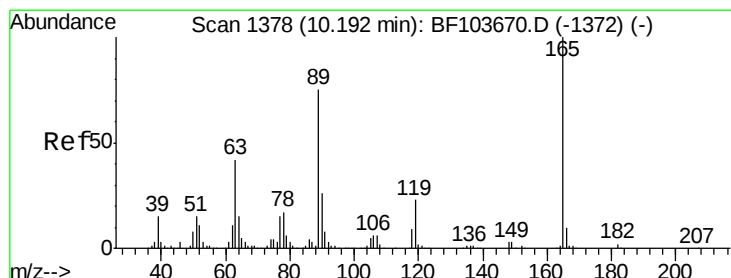
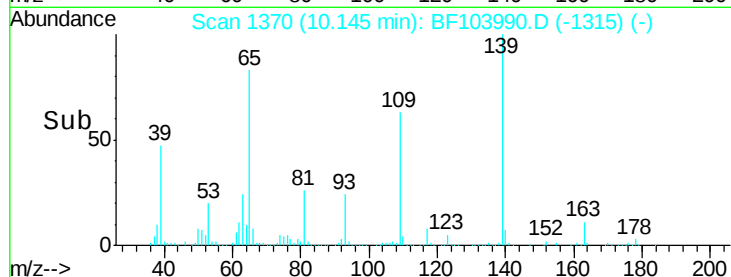
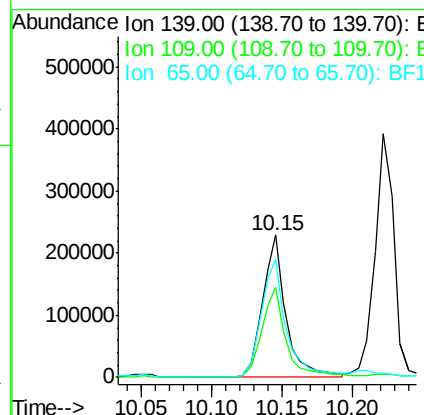
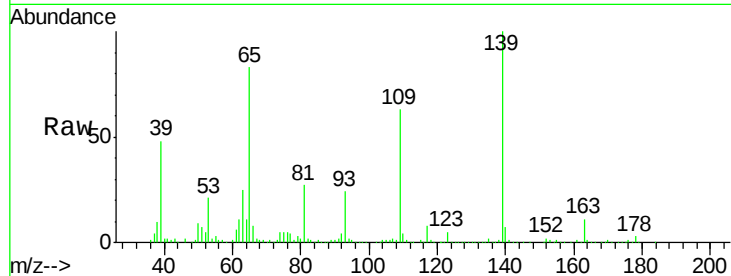
#55
4-Nitrophenol
Concen: 76.586 ng
RT: 10.15 min Scan# 1370
Delta R.T. 0.02 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampled :
SB-107(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	269732		
109	63.1	48.4	88.4	
65	83.3	72.6	112.6	

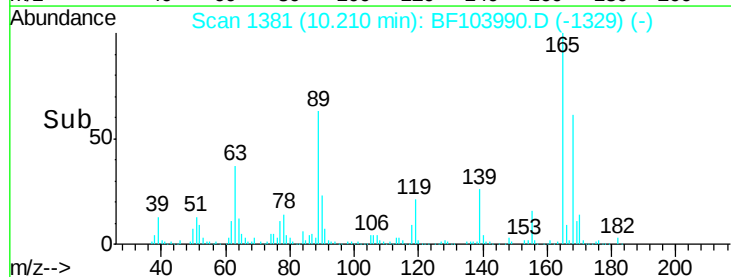
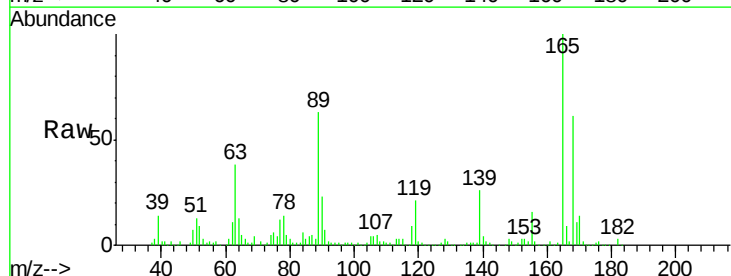
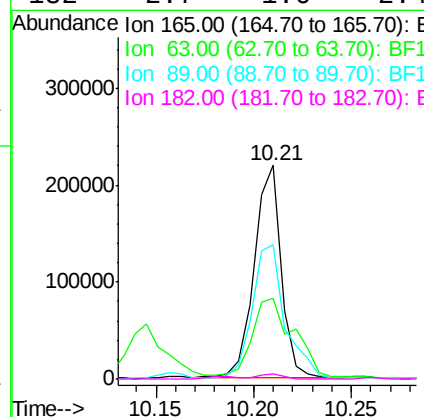
Manual Integrations
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#56
2,4-Dinitrotoluene
Concen: 44.291 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	206824		
63	37.7	36.4	54.6	
89	62.7	57.8	86.6	
182	2.7	1.6	2.4	#





#57

Fluorene

Concen: 50.910 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

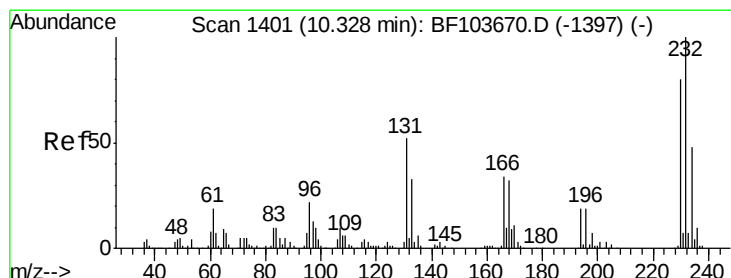
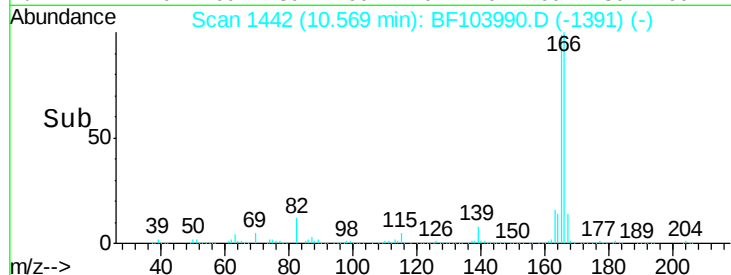
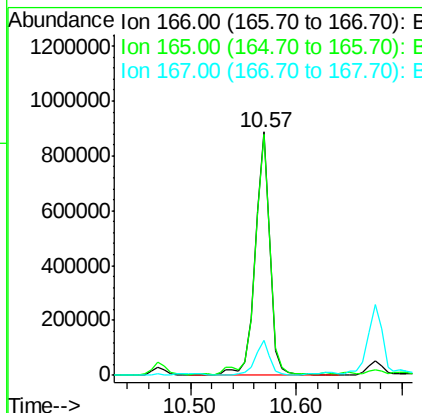
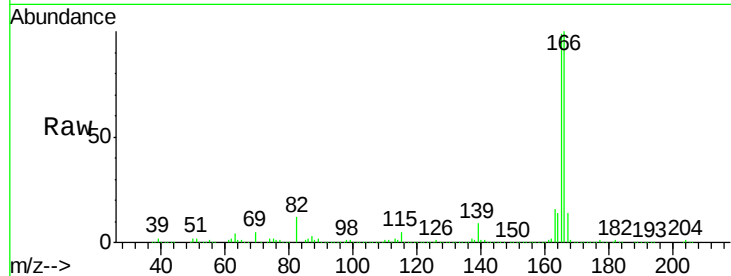
ClientSampleId :

SB-107(4-5)MSD

Tot Ion:	166	Resp:	870103
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.8	119.8
167	14.2	10.6	16.0

Manual Integrations
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#58

2,3,4,6-Tetrachlorophenol

Concen: 48.210 ng

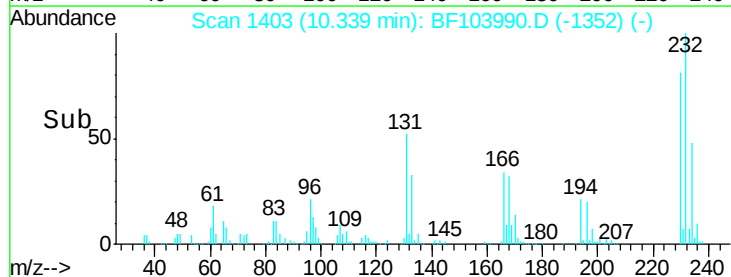
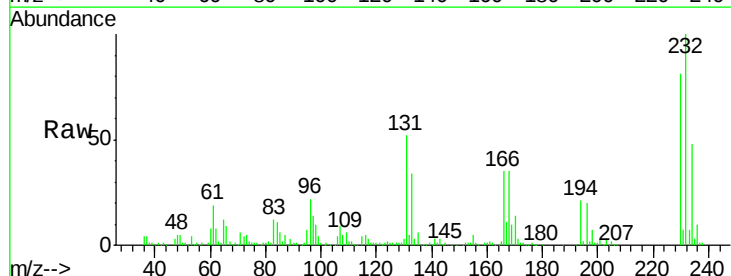
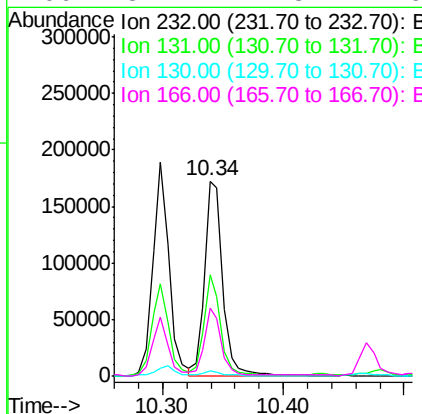
RT: 10.34 min Scan# 1403

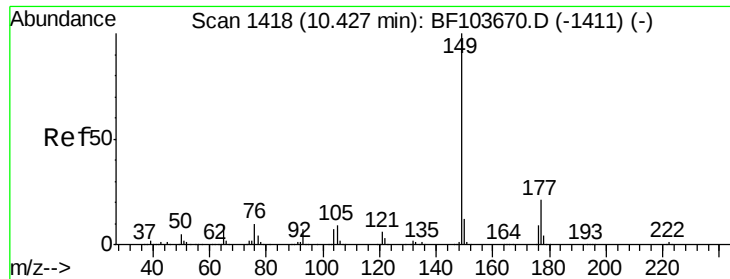
Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Tgt Ion:	232	Resp:	177926
Ion Ratio	Lower	Upper	
232	100		
131	46.2	43.8	65.8
130	3.1	2.1	3.1
166	31.7	27.8	41.6





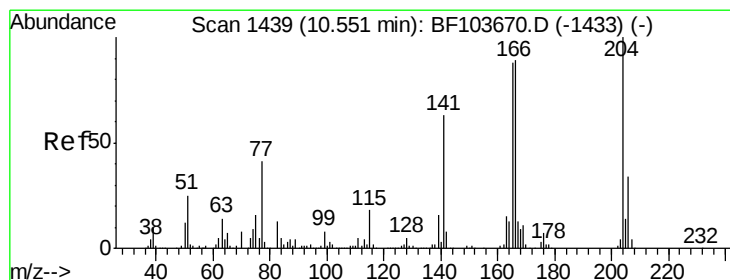
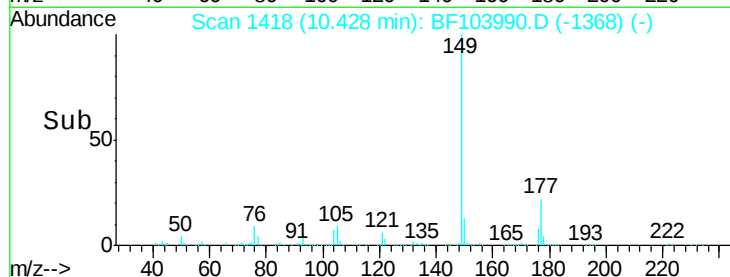
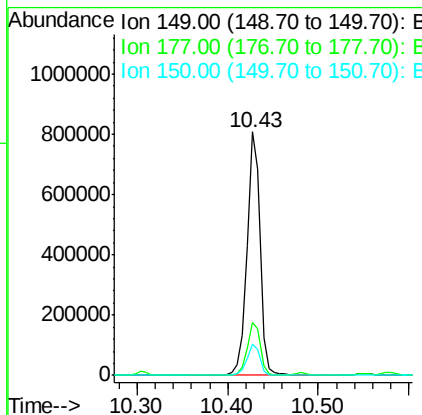
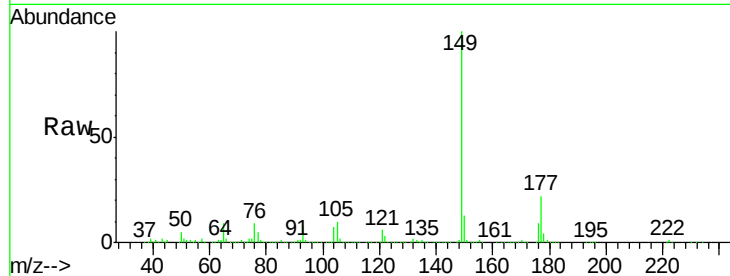
#59
Diethylphthalate
Concen: 42.205 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.6	16.1	24.1
150	12.9	10.1	15.1

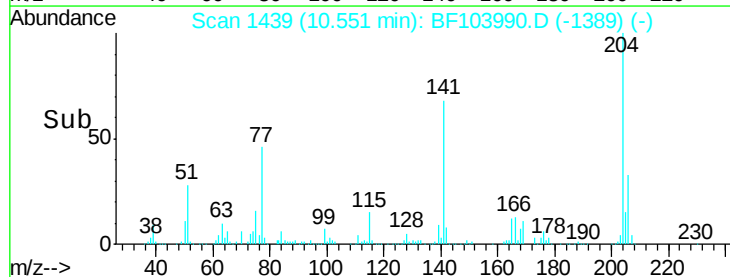
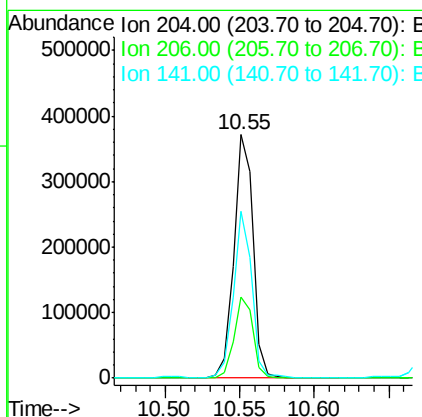
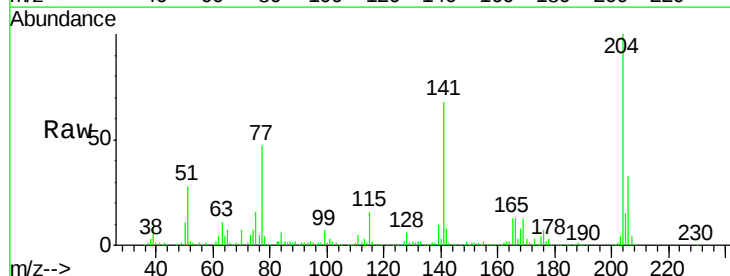
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#60
4-Chlorophenyl-phenylether
Concen: 43.151 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	68.5	54.6	81.8





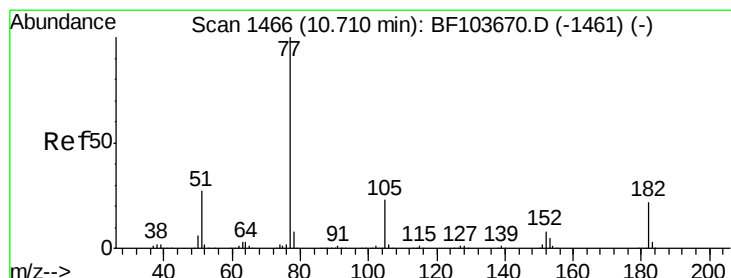
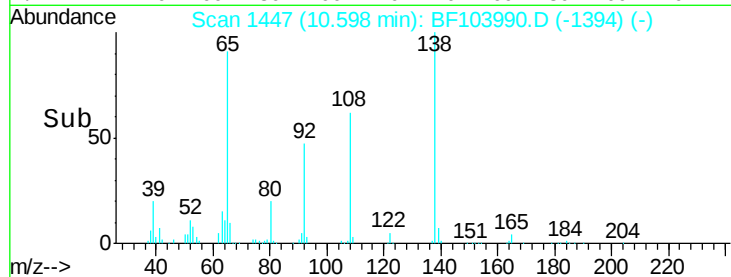
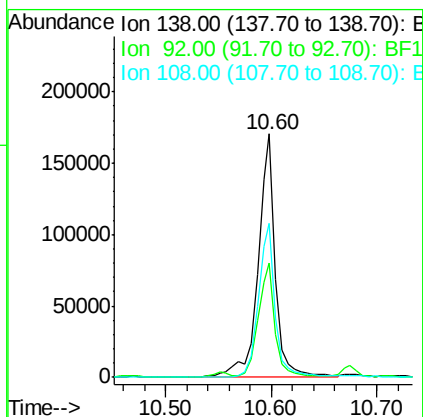
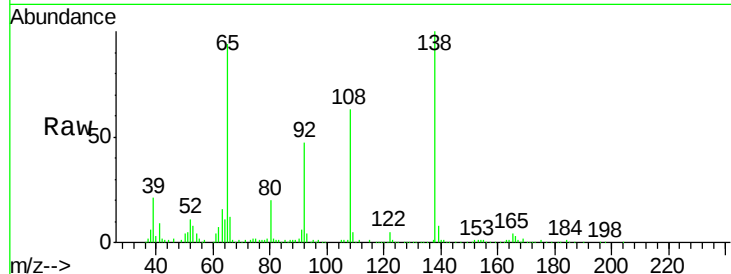
#61
4-Nitroaniline
Concen: 45.588 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.0	30.2	70.2
108	63.2	52.5	92.5

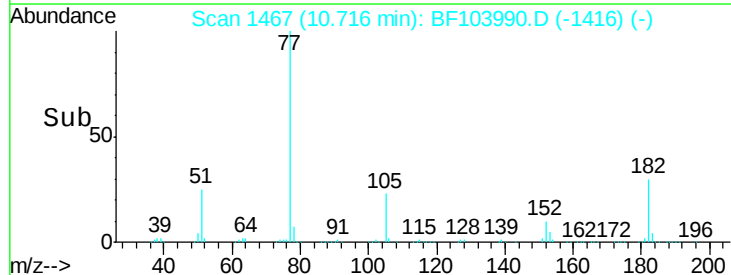
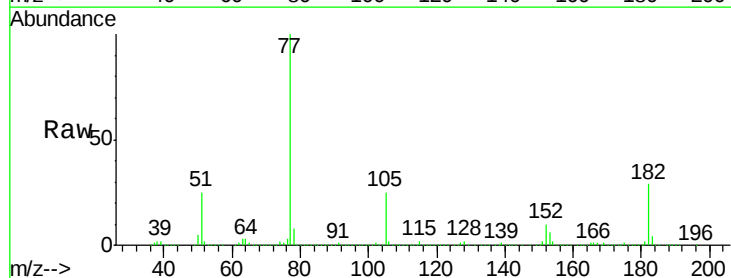
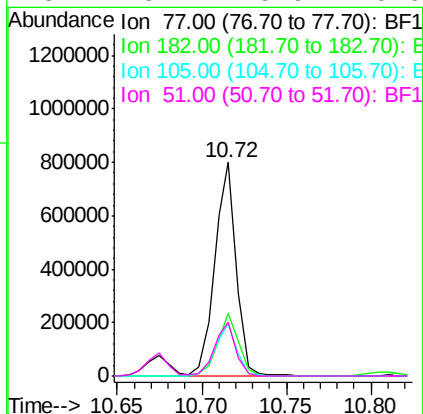
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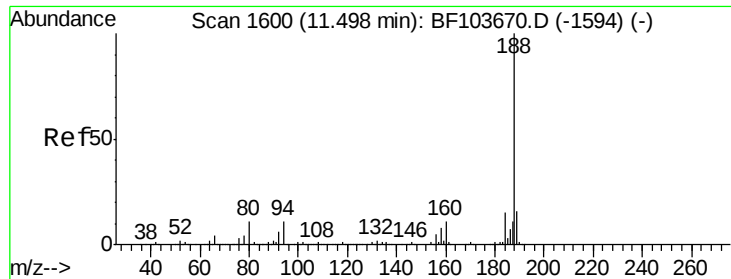
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#62
Azobenzene
Concen: 36.014 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.2	1.7	41.7
105	24.8	3.0	43.0
51	25.4	9.9	49.9





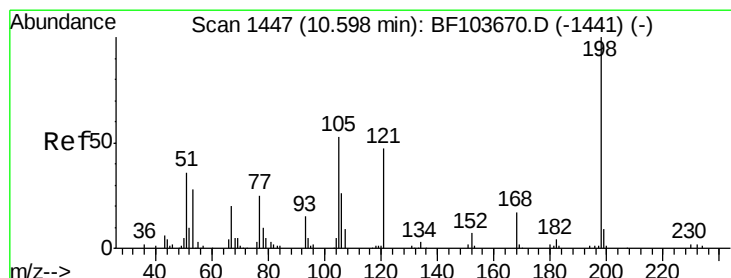
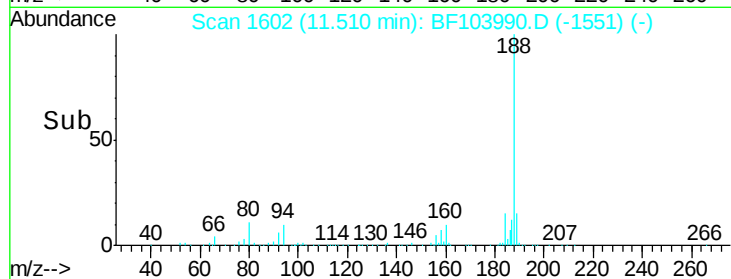
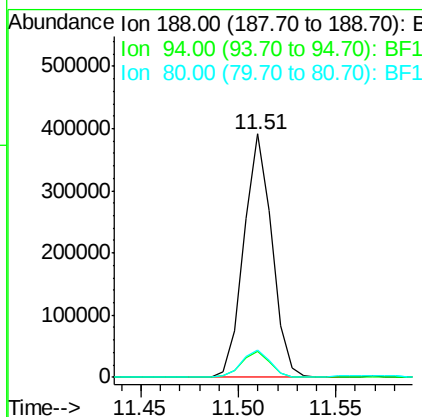
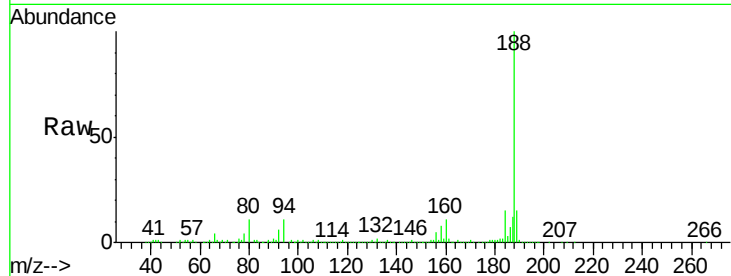
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	389213		
94	10.7		8.5	12.7
80	11.1		9.2	13.8

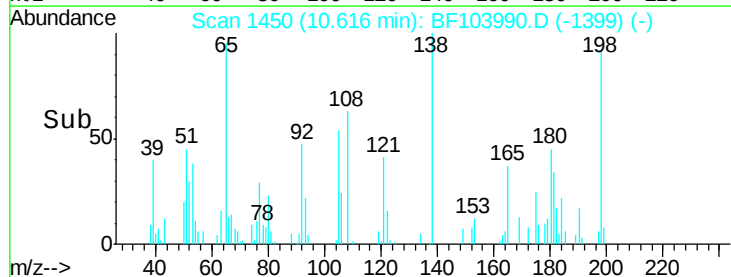
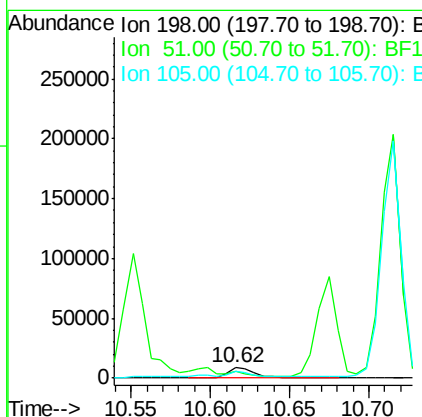
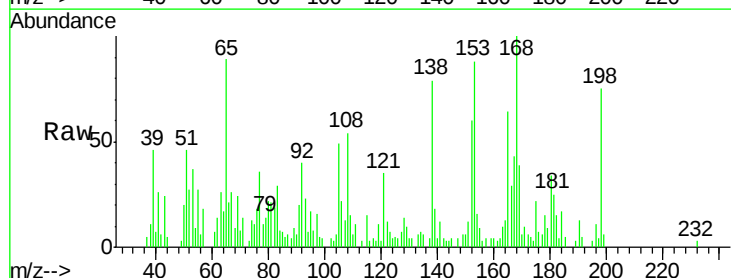
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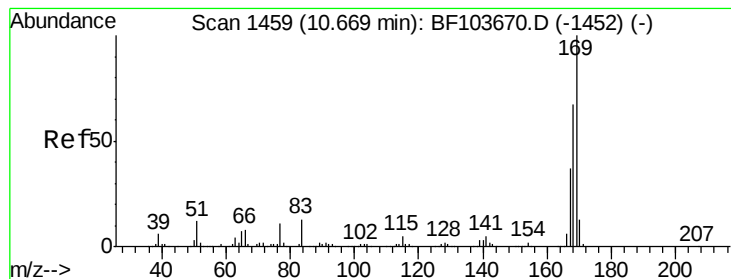
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#64
4,6-Dinitro-2-methylphenol
Concen: 15.933 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	10741		
51	61.5		37.7	77.7
105	65.1		36.3	76.3





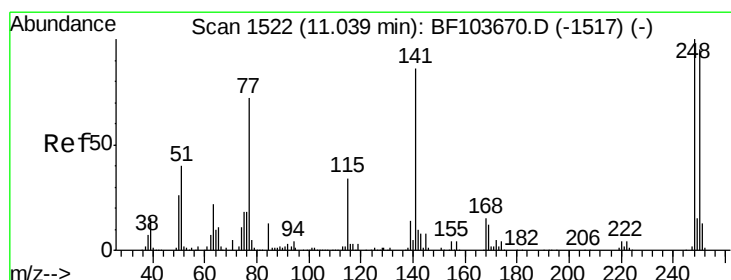
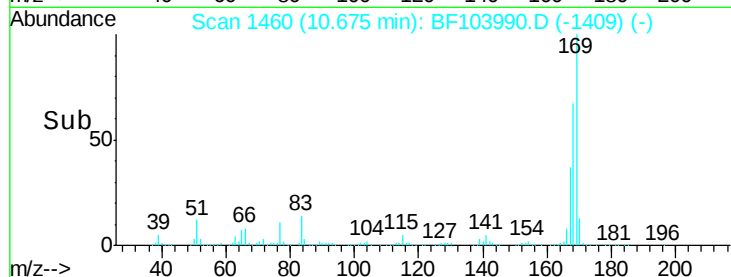
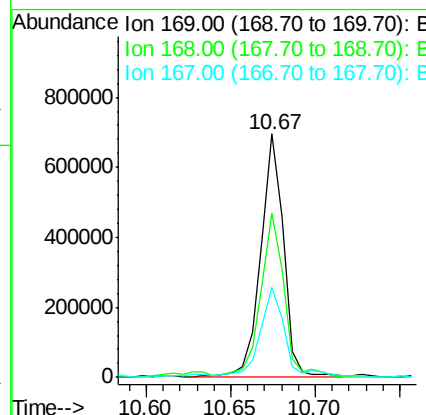
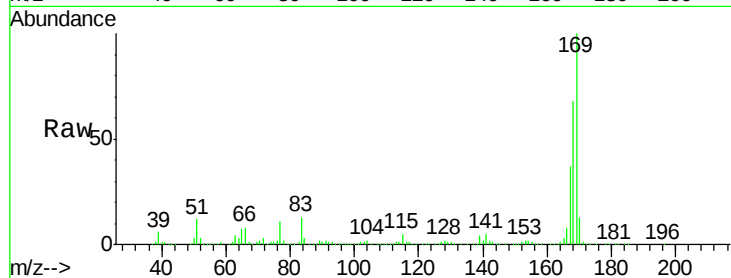
#65
n-Nitrosodiphenylamine
Concen: 48.950 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	648496		
168	67.6	54.4	81.6	
167	36.8	29.8	44.6	

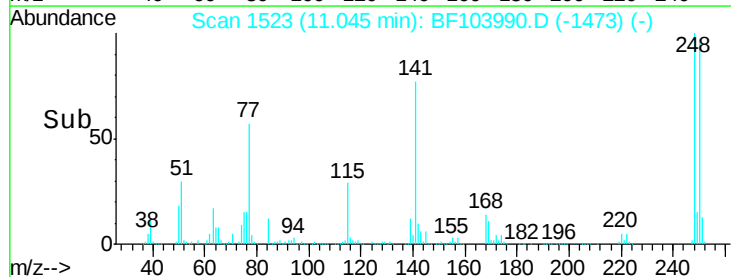
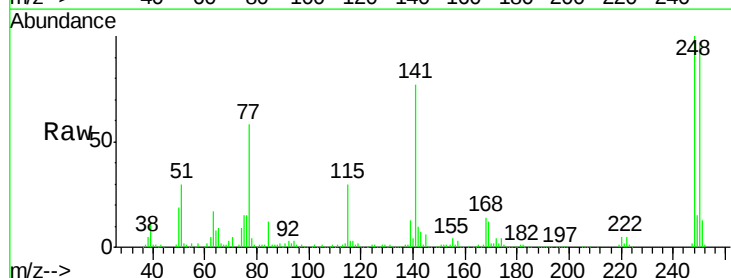
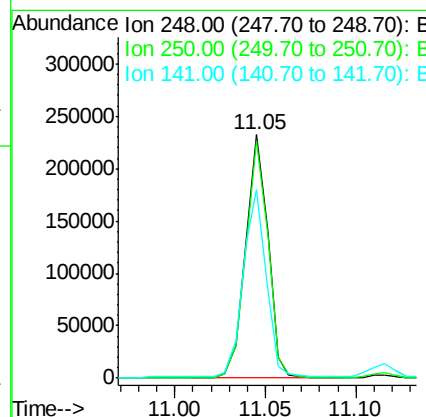
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#66
4-Bromophenyl-phenylether
Concen: 50.097 ng
RT: 11.05 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	200197		
250	97.4	76.9	115.3	
141	77.2	74.4	111.6	





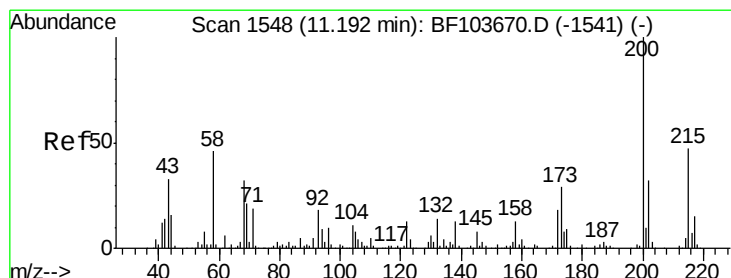
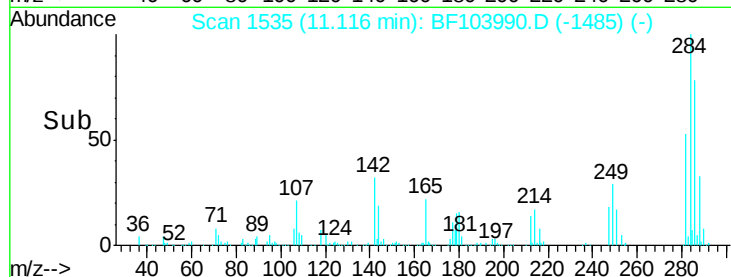
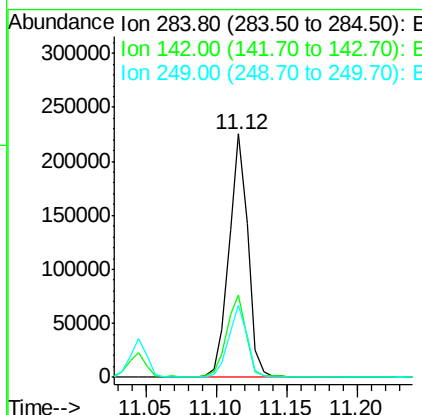
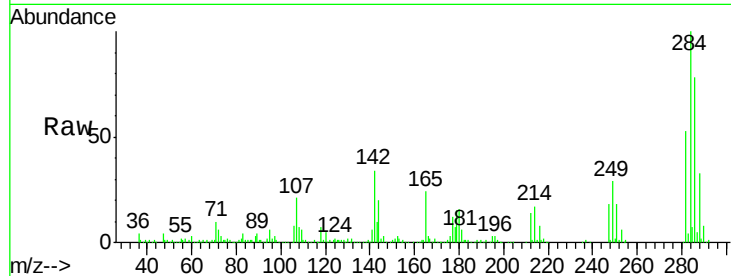
#67
Hexachlorobenzene
Concen: 45.955 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	209601		
142	33.9	34.6	52.0	
249	29.4	24.8	37.2	

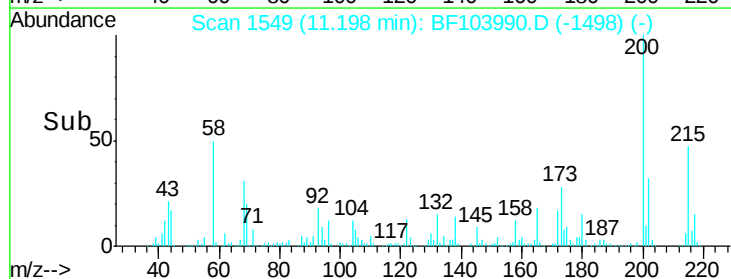
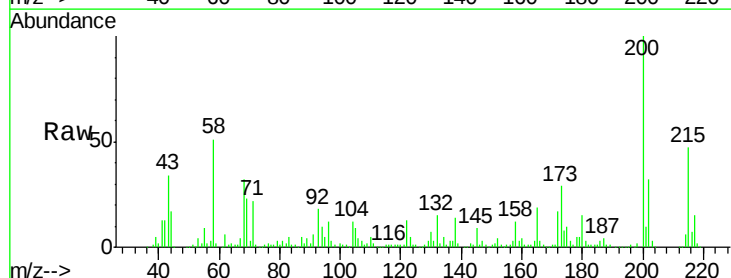
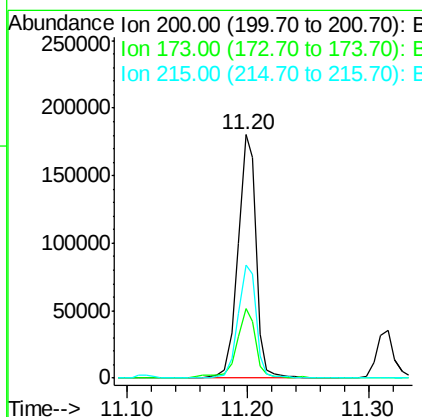
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#68
Atrazine
Concen: 46.211 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	189380		
173	28.8	8.6	48.6	
215	46.7	25.1	65.1	





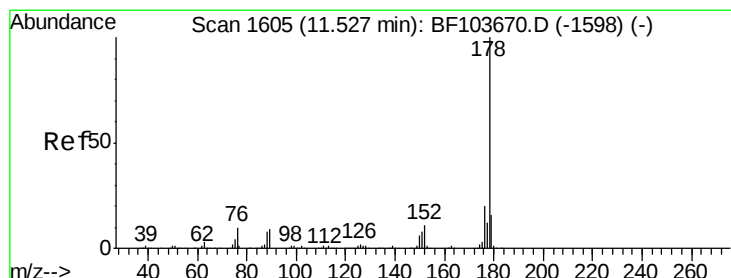
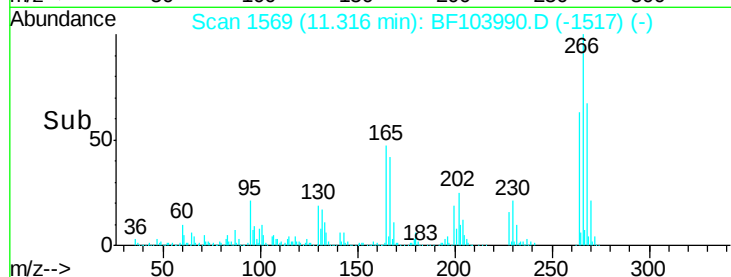
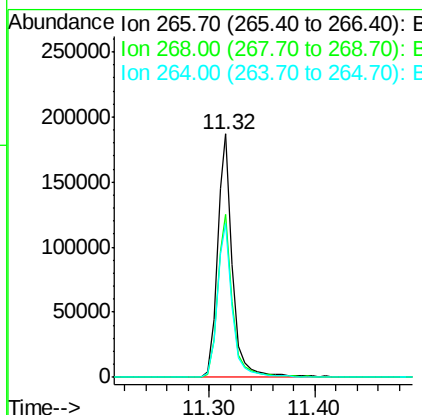
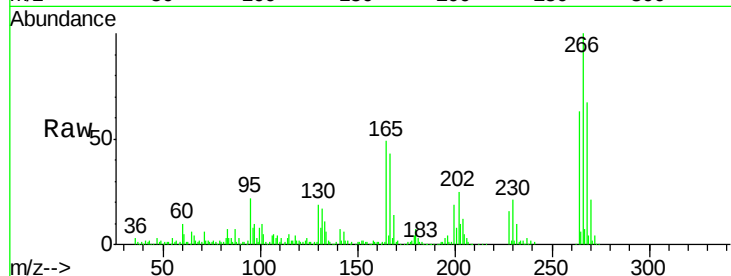
#69
 Pentachlorophenol
 Concen: 72.022 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	188856		
268	66.8	51.1	76.7	
264	63.3	49.5	74.3	

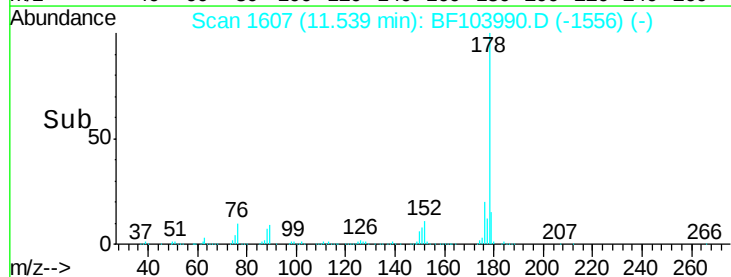
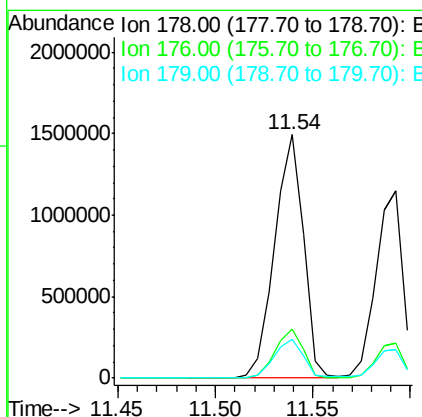
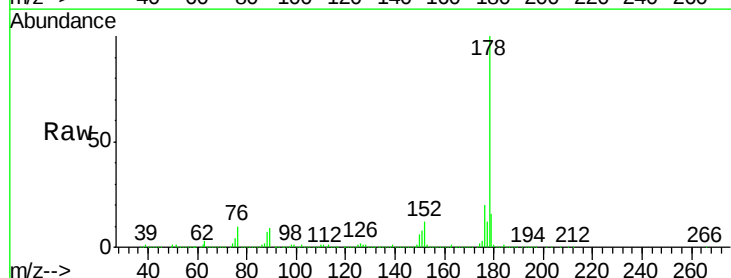
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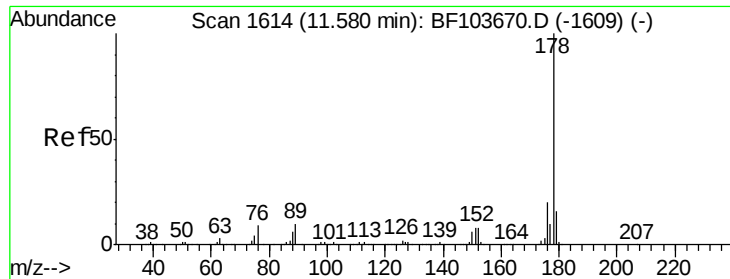
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#70
 Phenanthrene
 Concen: 71.767 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1527979		
176	20.2	15.8	23.8	
179	15.9	13.0	19.6	





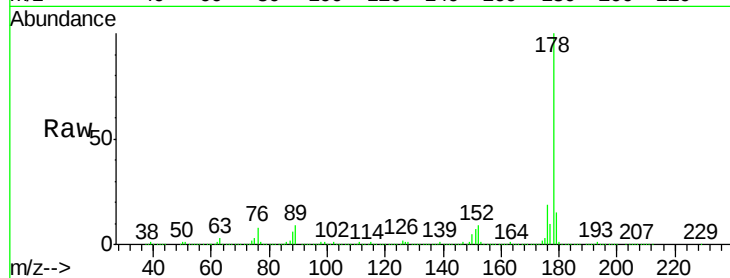
#71
 Anthracene
 Concen: 51.052 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

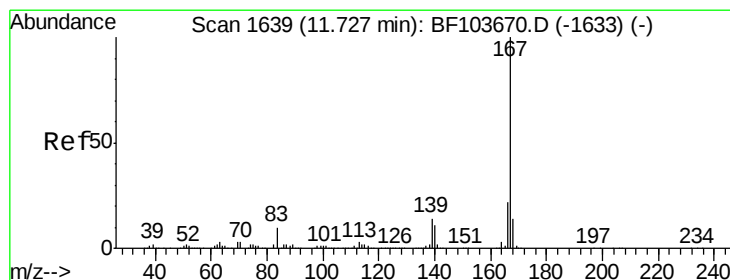
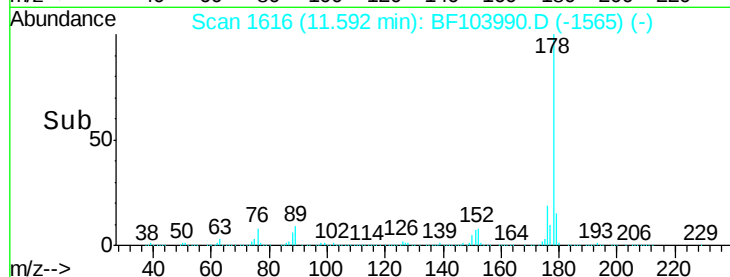
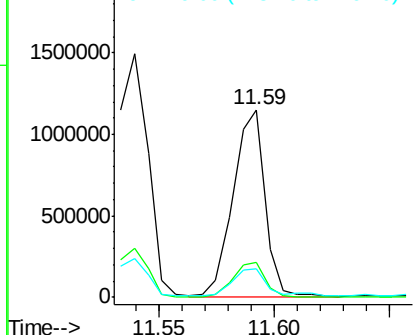
Tot Ion:178 Resp: 1103952
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 15.3 12.6 19.0

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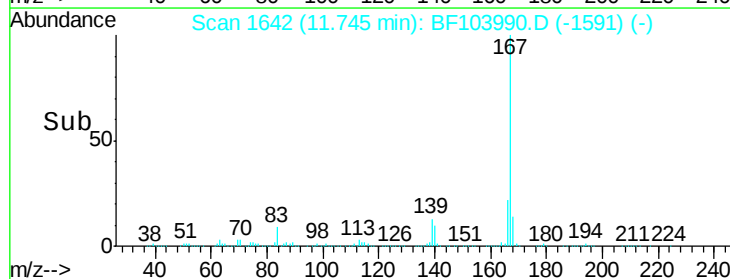
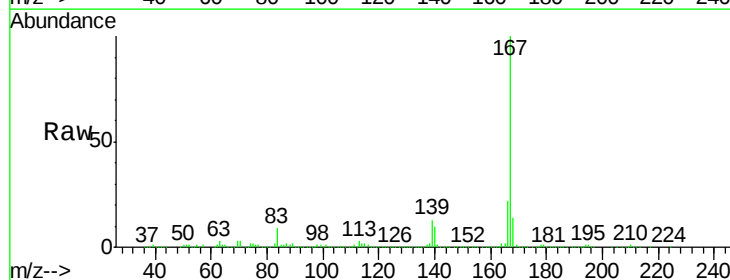
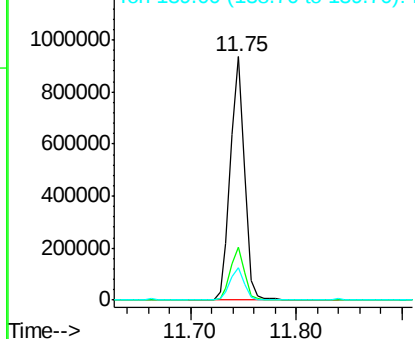
Abundance Ion 178.00 (177.70 to 178.70): E
 2000000 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

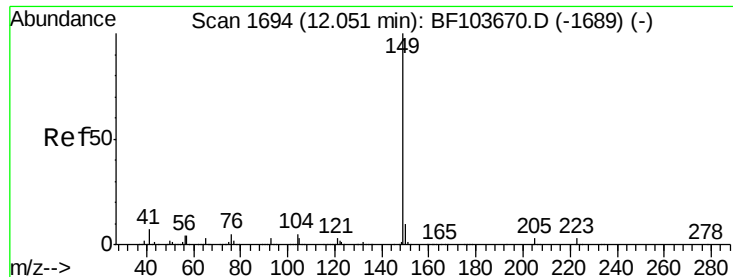


#72
 Carbazole
 Concen: 40.817 ng
 RT: 11.75 min Scan# 1642
 Delta R.T. 0.00 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion:167 Resp: 857893
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 13.4 10.9 16.3

Abundance Ion 167.00 (166.70 to 167.70): E
 1200000 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.212 ng

RT: 12.06 min Scan# 1695

Delta R.T. -0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

ClientSampleId :

SB-107(4-5)MSD

Tot Ion:149 Resp: 1140199

Ion Ratio Lower Upper

149 100

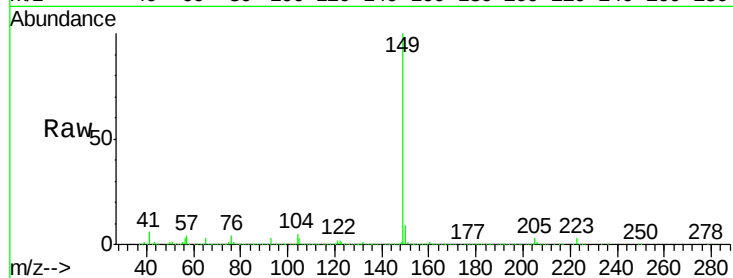
150 9.2 7.8 11.6

104 4.6 3.8 5.8

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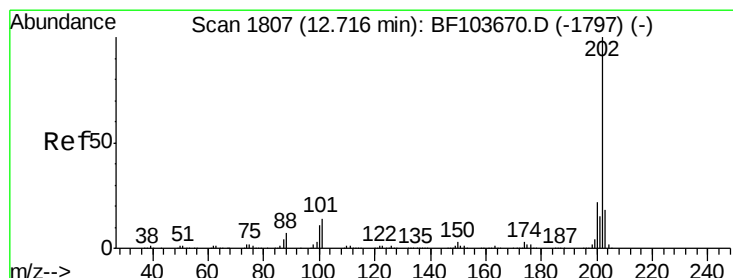
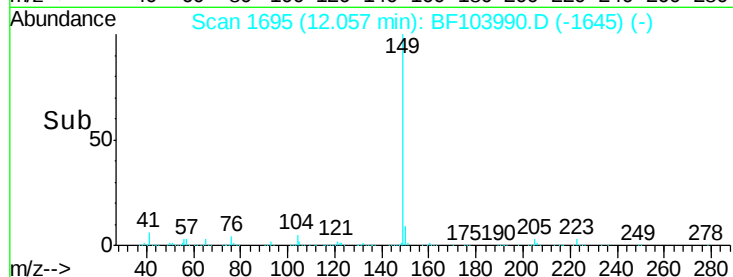
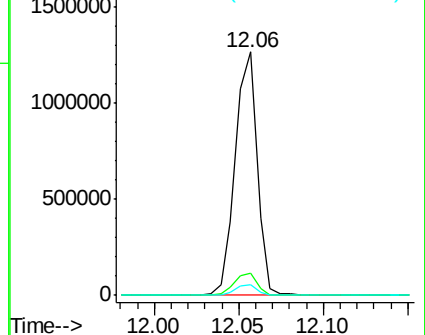
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 59.736 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

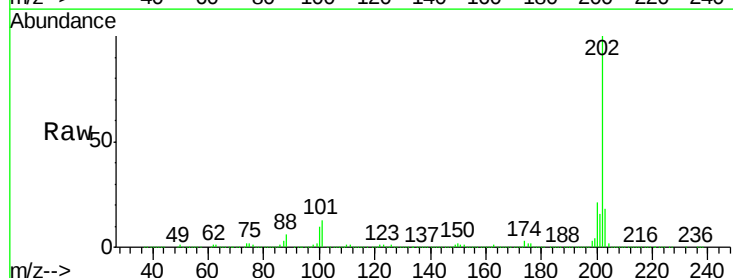
Tgt Ion:202 Resp: 1310285

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

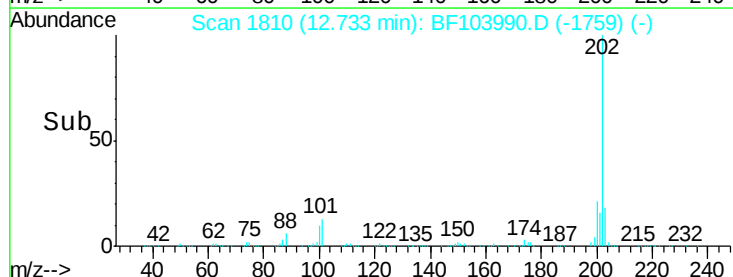
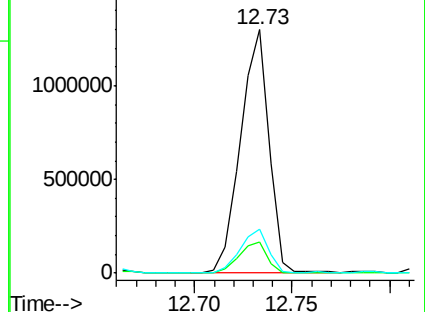
203 18.1 0.0 38.1

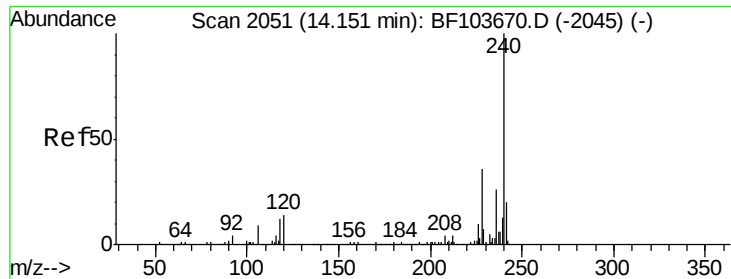


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

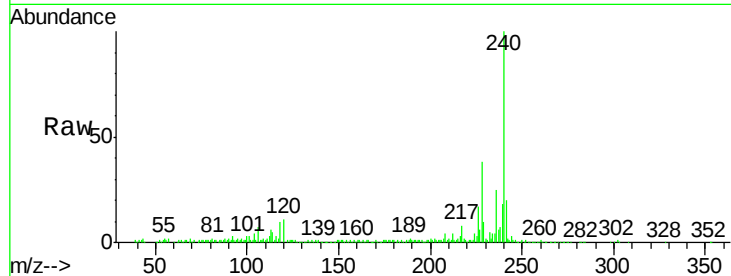
ClientSampleId :

SB-107(4-5)MSD

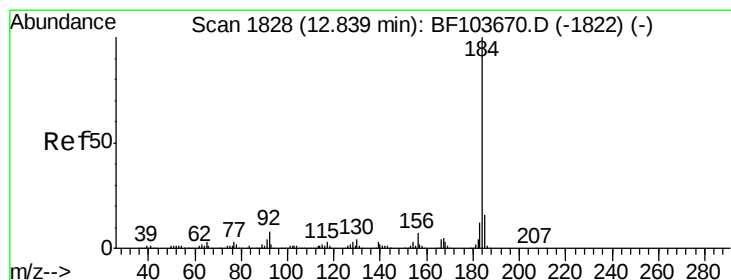
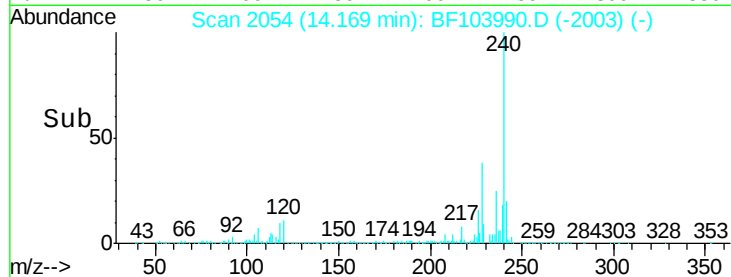
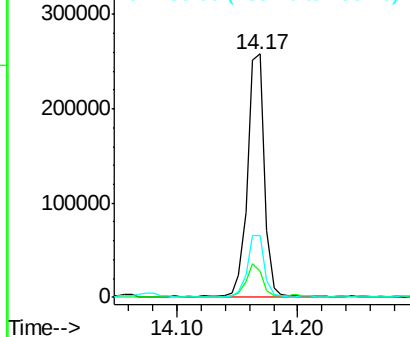
Tot Ion:	240	Resp:	254364
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	25.4	20.7	31.1

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



#76

Benzidine

Concen: 40.998 ng

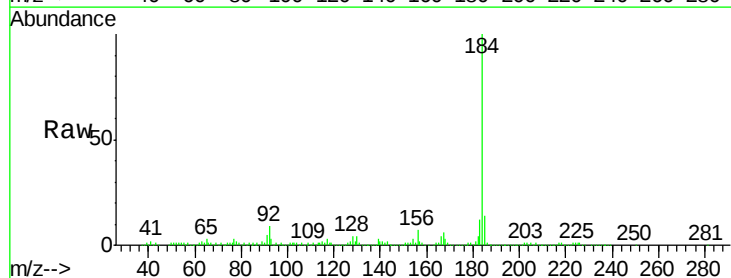
RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

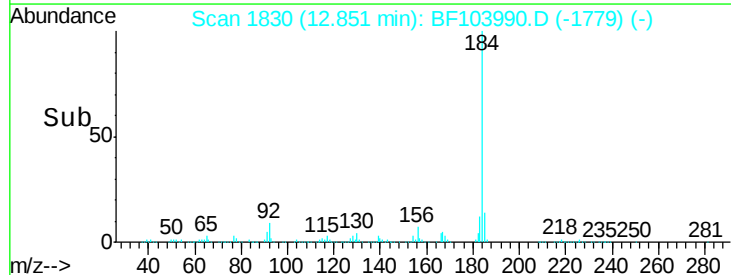
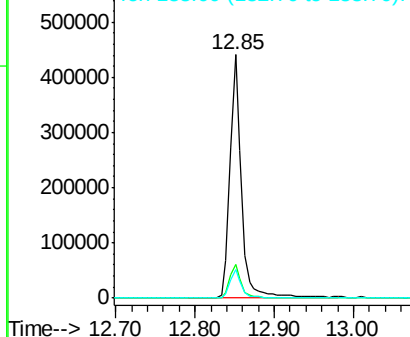
Lab File: BF103990.D

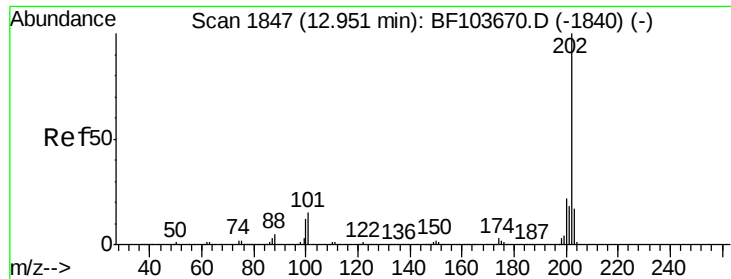
Acq: 28 Mar 2018 00:17

Tgt Ion:	184	Resp:	444779
Ion Ratio	Lower	Upper	
184	100		
185	13.9	12.6	18.8
183	11.7	9.3	13.9



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





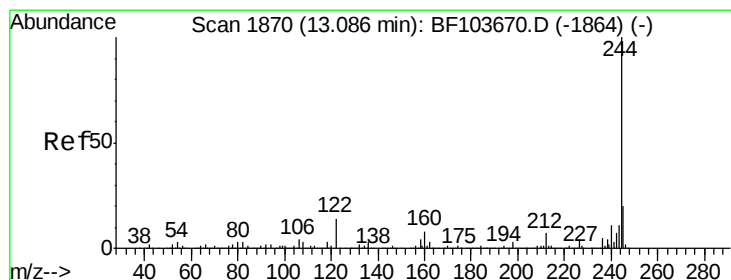
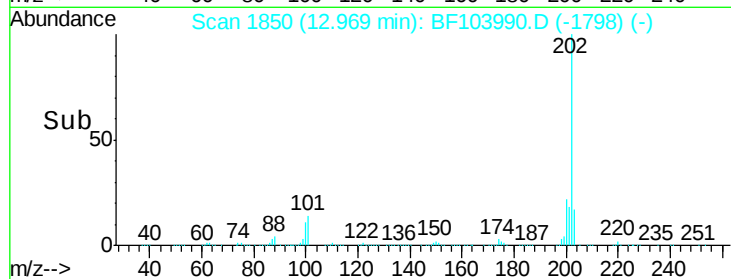
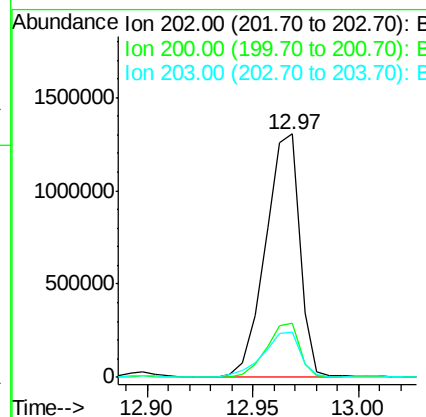
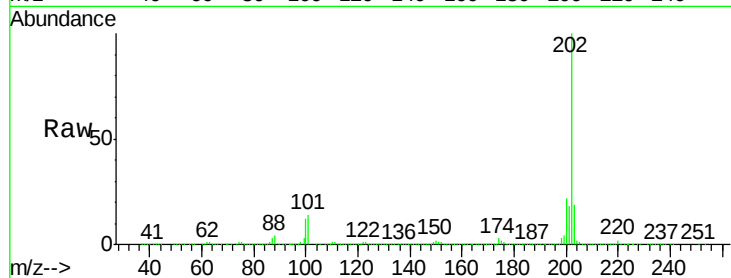
#77
Pvrene
Concen: 78.709 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.6	14.3	21.5

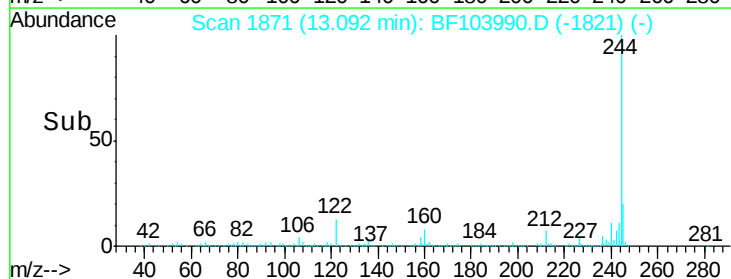
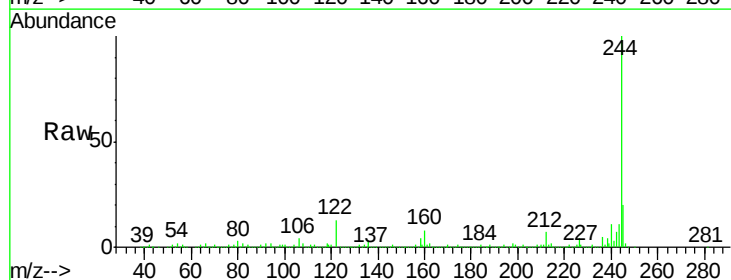
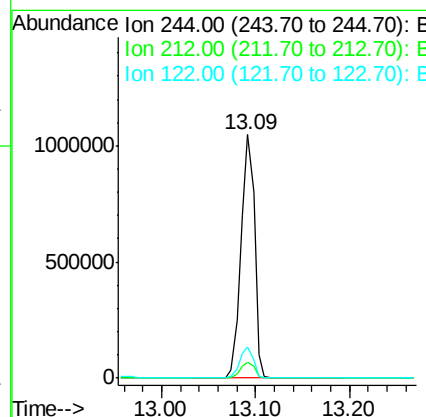
Manual Integrations
APPROVED

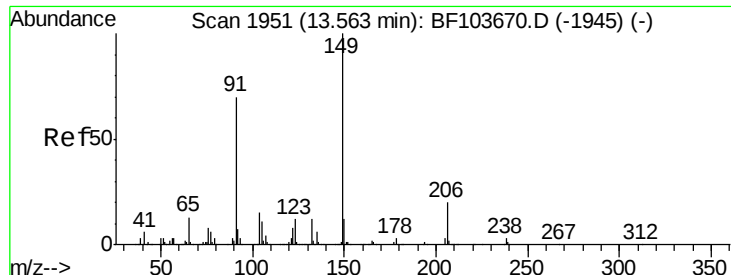
Sohil
3/28/2018 4:54:49 PM



#78
Terphenyl-d14
Concen: 95.571 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.9	11.0	16.4





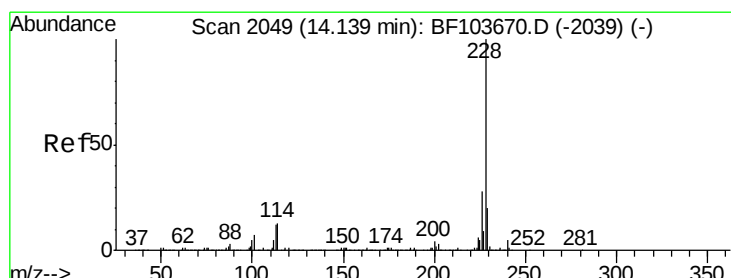
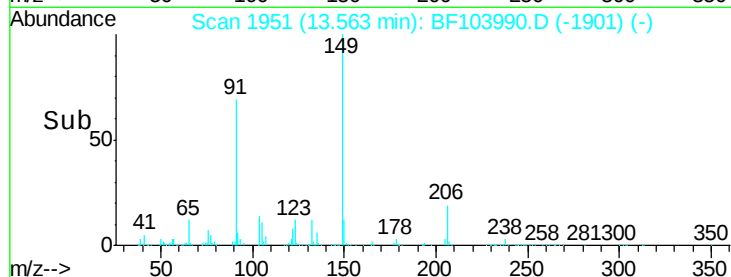
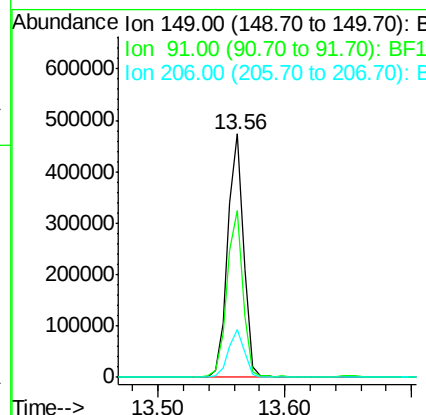
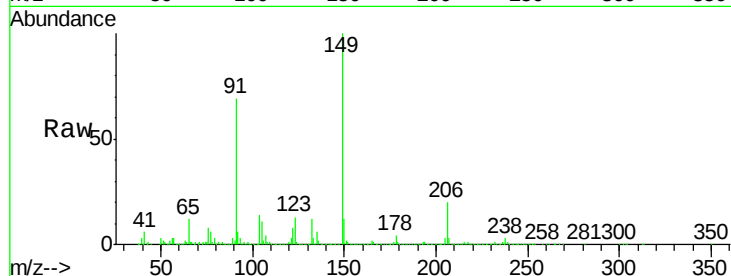
#79
Butylbenzylphthalate
Concen: 49.677 ng
RT: 13.56 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	68.7	56.8	85.2
206	19.7	14.1	21.1

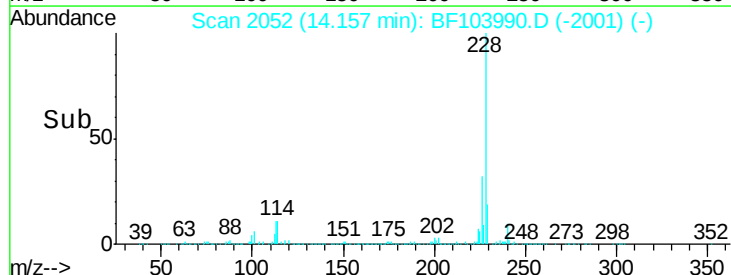
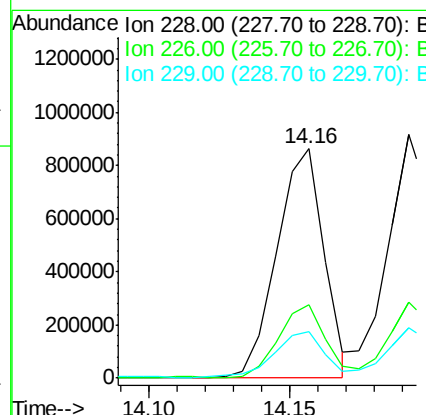
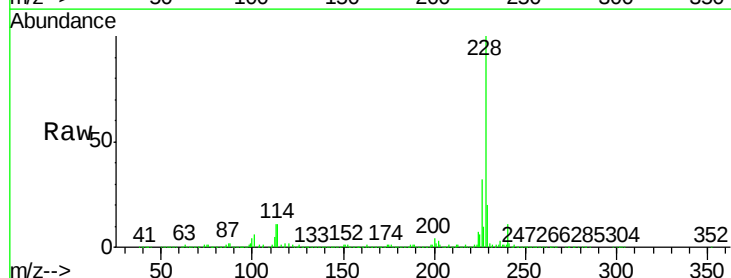
Manual Integrations
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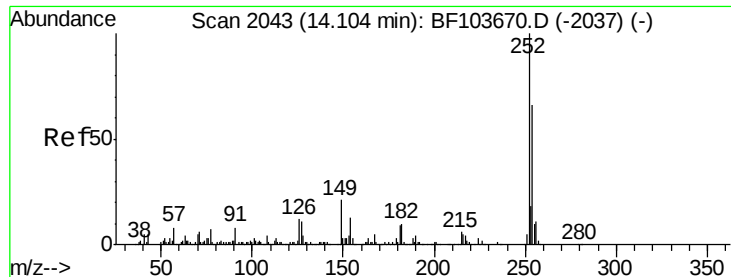
Sohil
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#80
Benzo(a)anthracene
Concen: 61.439 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	33.8
229	20.3	15.8	23.6





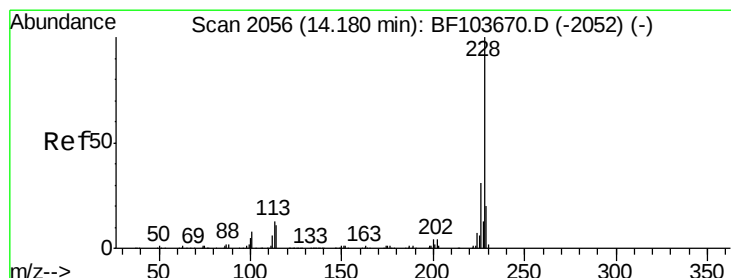
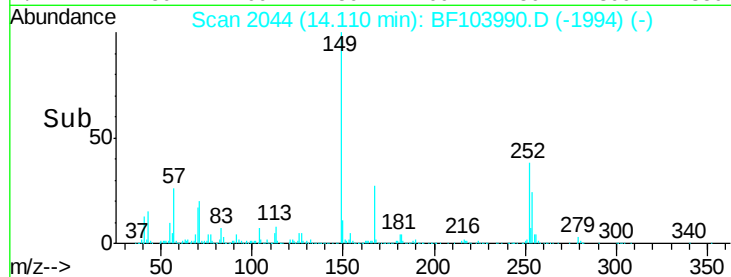
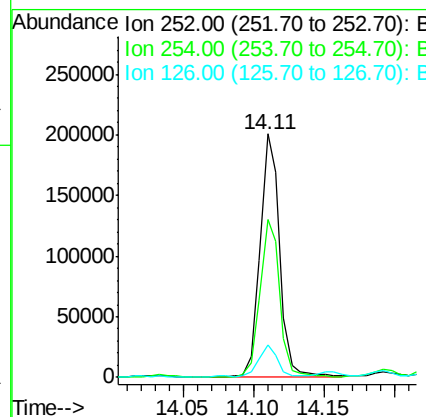
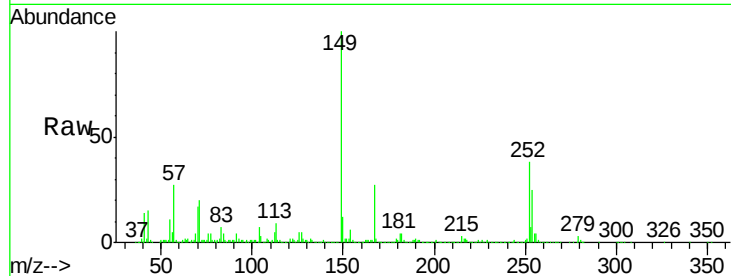
#81
 3,3'-Dichlorobenzidine
 Concen: 36.304 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion:	252	Resp:	195525
Ion Ratio	Lower	Upper	
252	100		
254	64.9	50.4	75.6
126	13.1	11.3	16.9

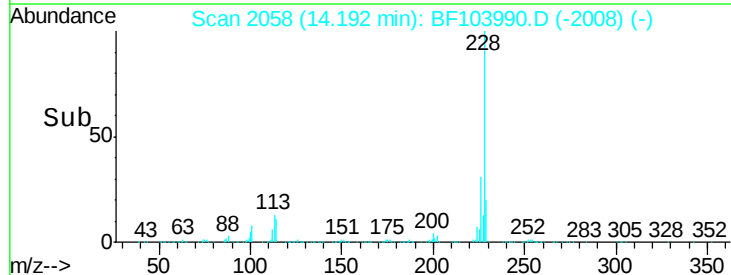
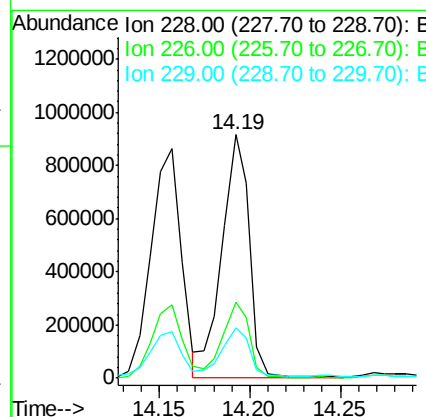
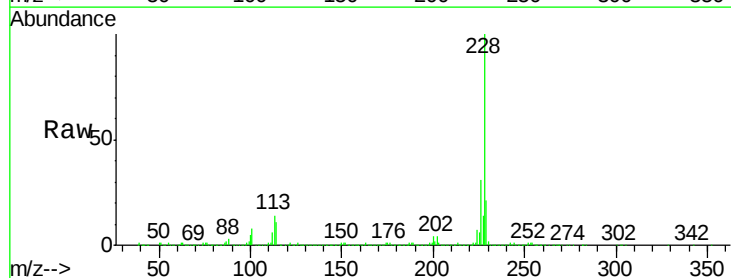
Manual Integrations
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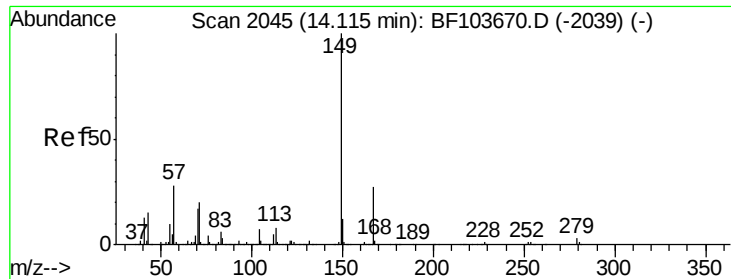
Sohil
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#82
 Chrysene
 Concen: 61.984 ng
 RT: 14.19 min Scan# 2058
 Delta R.T. -0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion:	228	Resp:	951362
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	20.8	16.2	24.4





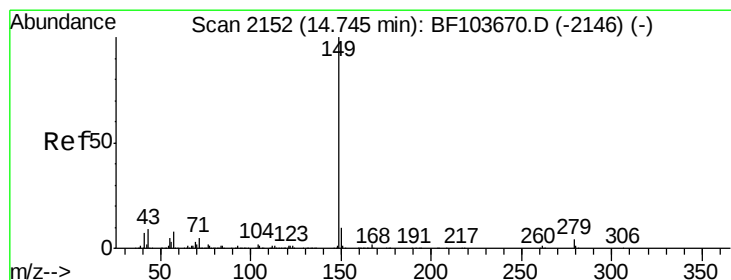
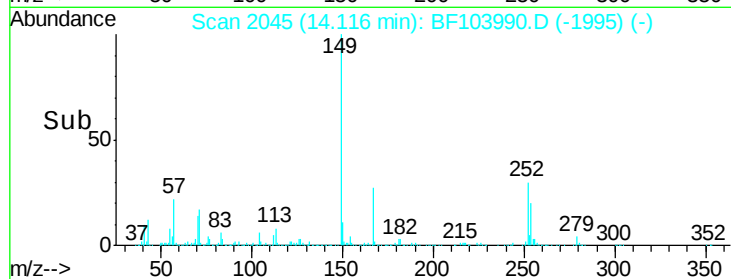
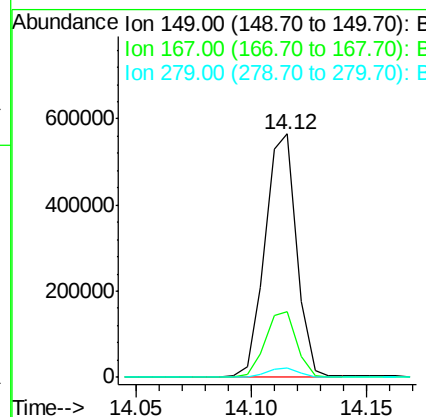
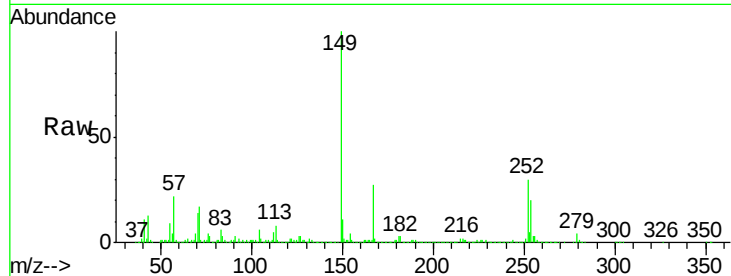
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.478 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.3	31.9
279	4.1	3.0	4.4

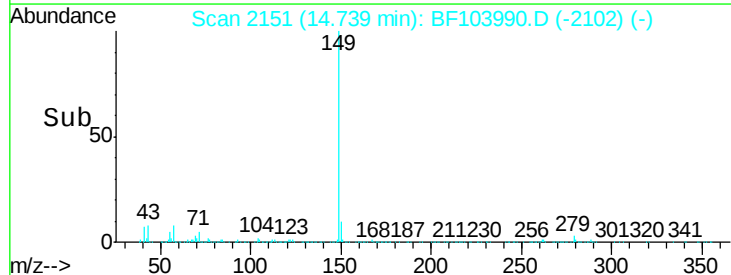
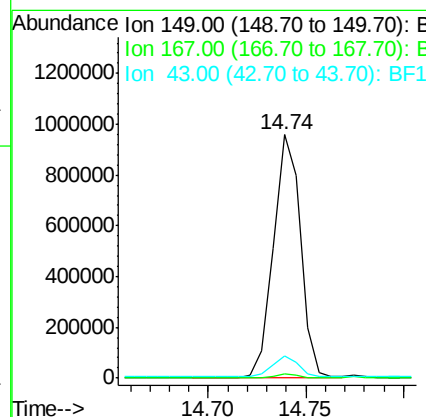
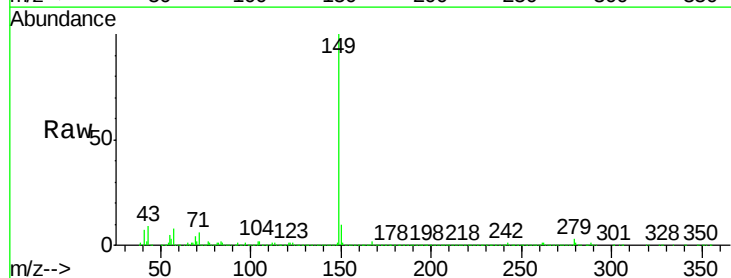
Manual Integrations
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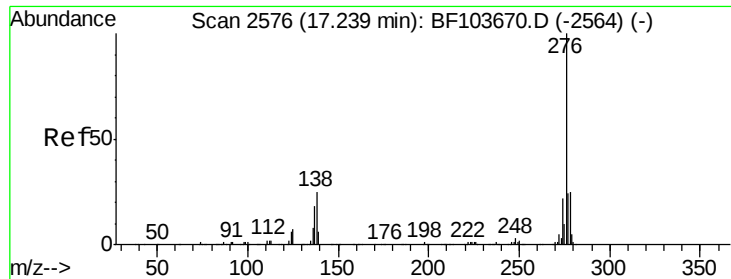
Sohil
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#84
 Di-n-octyl phthalate
 Concen: 53.522 ng
 RT: 14.74 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: BF103990.D
 Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.3	8.4	12.6#





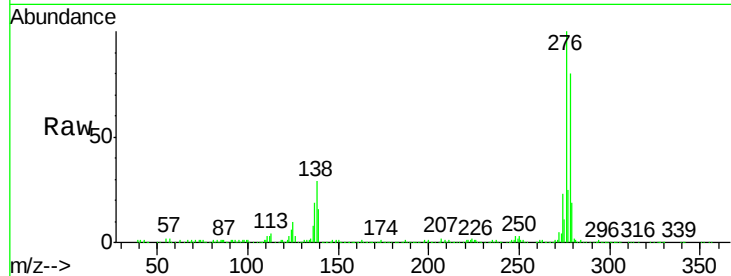
#85
Indeno(1,2,3-cd)pyrene
Concen: 50.605 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.01 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

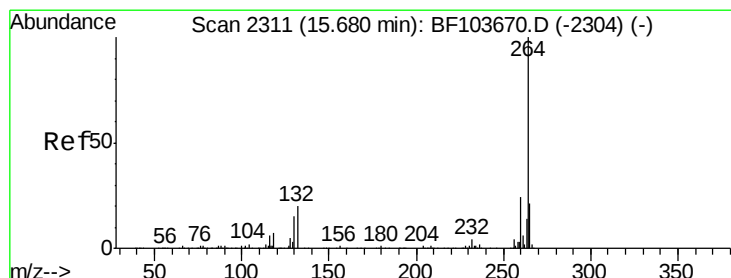
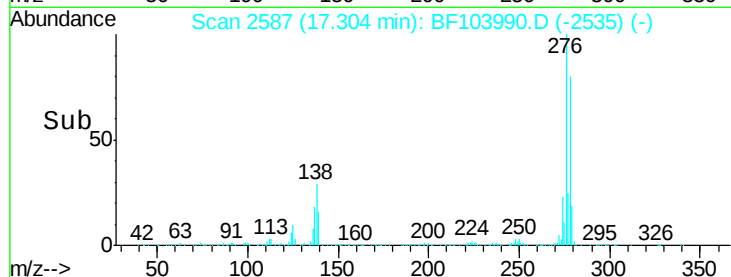
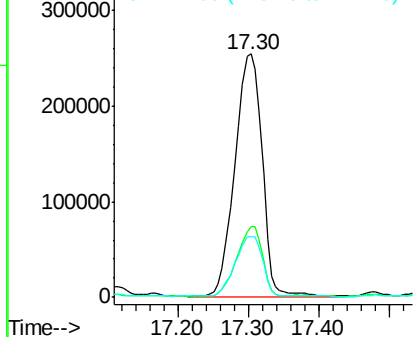
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.0	37.6
277	24.4	20.1	30.1

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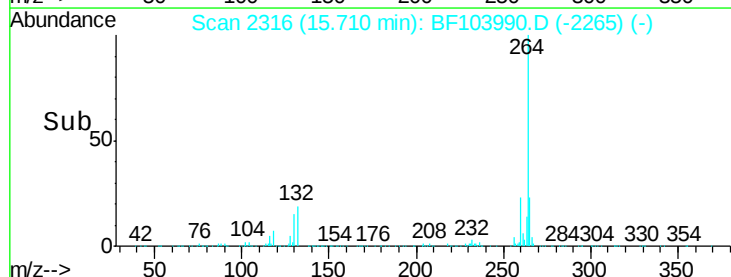
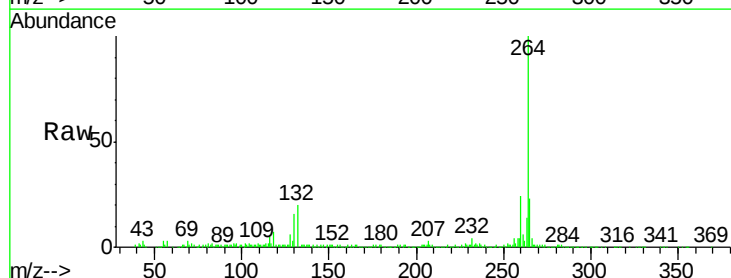
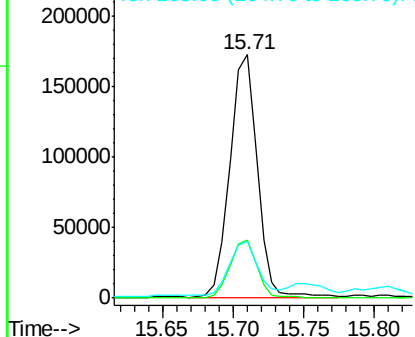
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

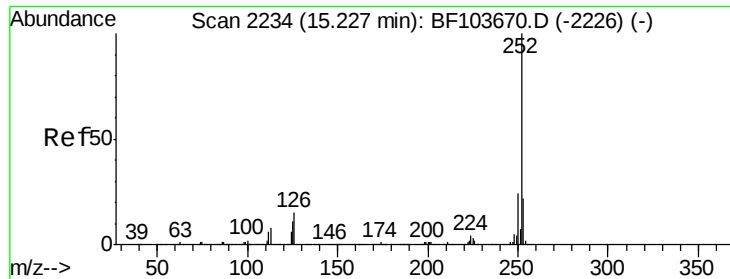


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.3	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





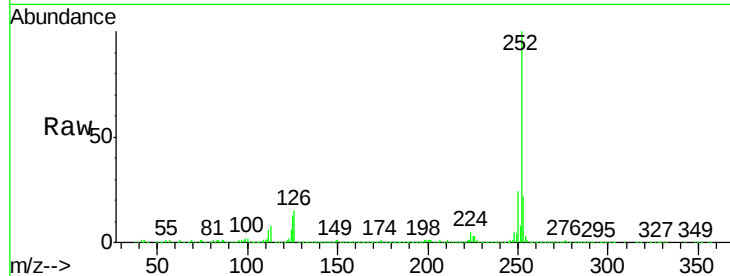
#87
Benzo(b)fluoranthene
Concen: 64.266 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	12.9	9.0	13.6

Manual Integrations
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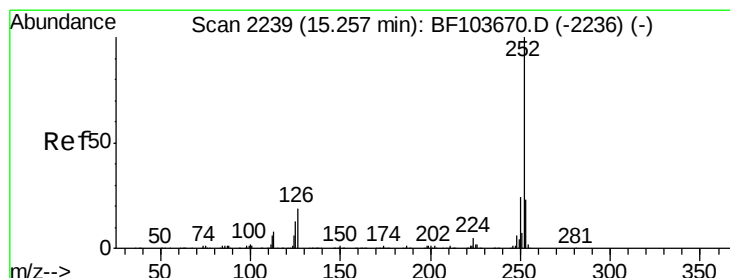
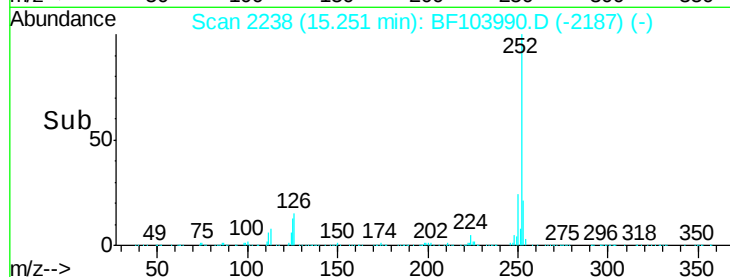
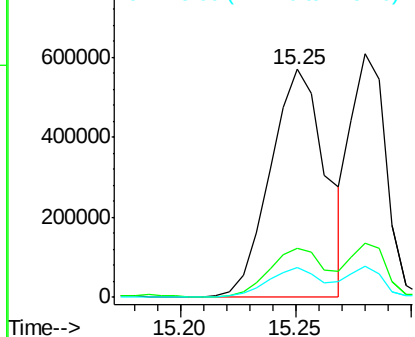


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 45.729 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

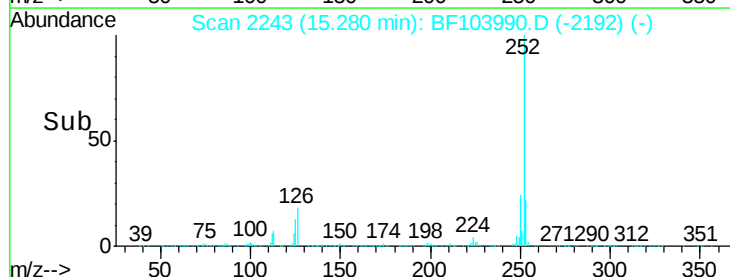
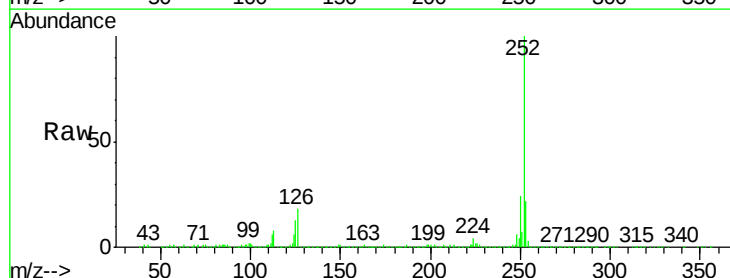
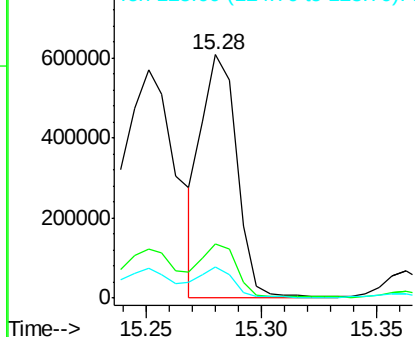
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.0	10.2	15.2

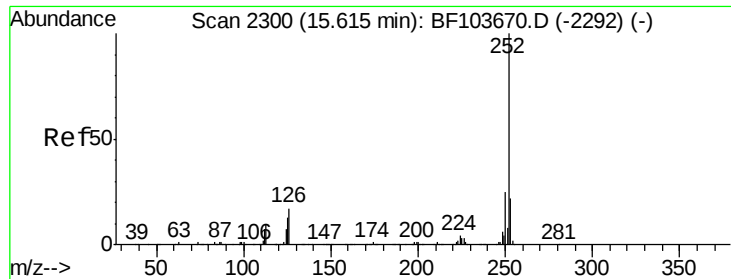
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





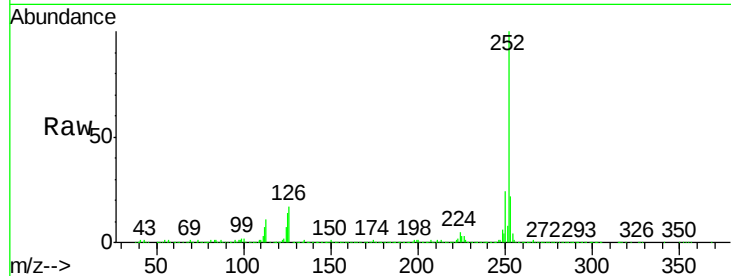
#89
Benzo(a)pyrene
Concen: 61.261 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Instrument :
BNA_F
ClientSampleId :
SB-107(4-5)MSD

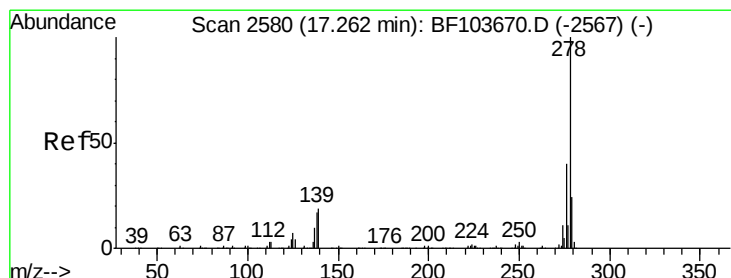
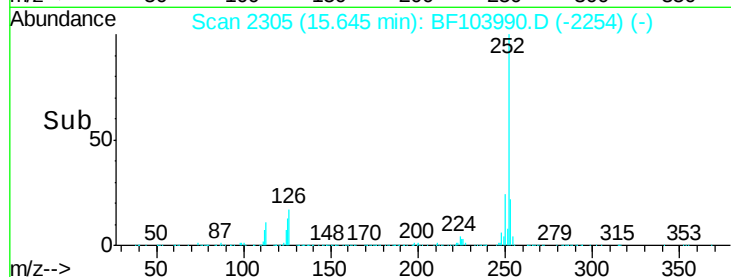
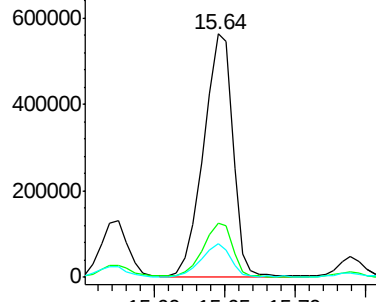
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	13.6	9.8	14.6

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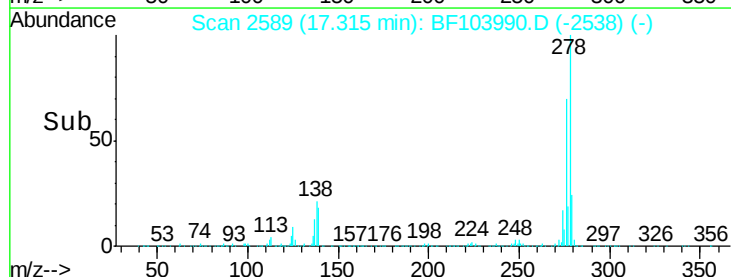
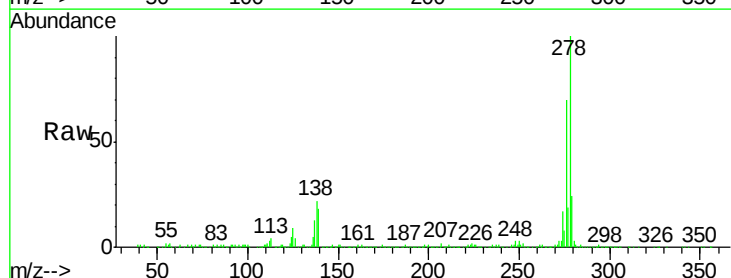
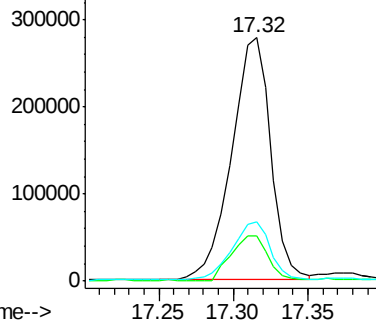
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

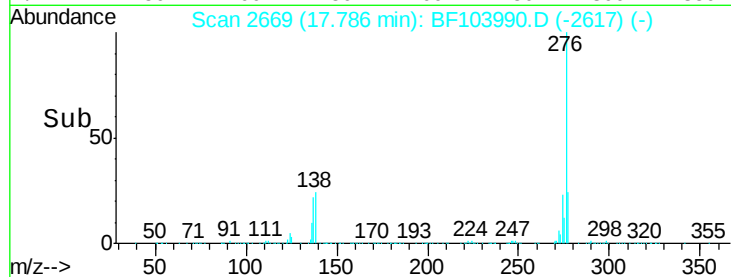
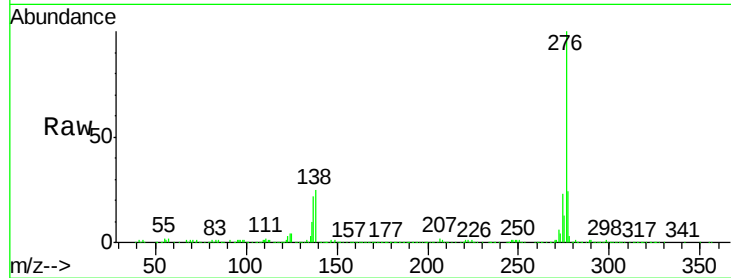
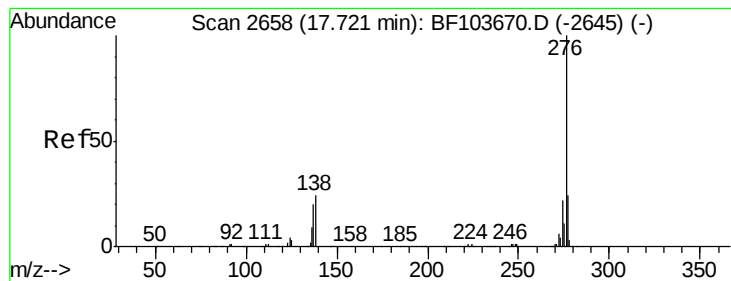


#90
Dibenzo(a,h)anthracene
Concen: 43.663 ng
RT: 17.32 min Scan# 2589
Delta R.T. 0.00 min
Lab File: BF103990.D
Acq: 28 Mar 2018 00:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	15.9	23.9
279	24.3	19.0	28.4

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





#91

Benzo(a,h,i)perylene

Concen: 51.482 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.01 min

Lab File: BF103990.D

Acq: 28 Mar 2018 00:17

Instrument :

BNA_F

ClientSampleId :

SB-107(4-5)MSD

Tot Ion: 276 Resp: 577132

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 24.8 21.8 32.8

Manual Integrations

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