

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
 Data File : BF108111.D
 Acq On : 13 Aug 2018 12:56
 Operator : JU/SJ
 Sample : PB111971BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Manual Integrations
 APPROVED

Sohil
 8/14/2018 2:36:22 PM

Quant Time: Aug 13 15:04:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	219358	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	808327	20.00	ng	0.00
38) Acenaphthene-d10	10.08	164	420296	20.00	ng	0.01
63) Phenanthrene-d10	11.57	188	864717	20.00	ng	0.01
75) Chrysene-d12	14.24	240	697130	20.00	ng	0.02
86) Perylene-d12	15.81	264	527905	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	1461785	120.65	ng	0.03
7) Phenol-d6	6.64	99	1953257	121.31	ng	0.01
23) Nitrobenzene-d5	7.58	82	1301564	89.85	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	607960	145.02	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	2458142	93.90	ng	0.00
78) Terphenyl-d14	13.17	244	2856044	104.17	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.04	88	288200	46.292	ng	88
3) Pyridine	3.78	79	757822	47.253	ng	86
4) n-Nitrosodimethylamine	3.74	42	409989	45.432	ng	# 80
6) Aniline	6.68	93	707736	32.316	ng	97
8) 2-Chlorophenol	6.81	128	606765	44.464	ng	94
9) Benzaldehyde	6.58	77	314595	25.202	ng	98
10) Phenol	6.65	94	721426	43.317	ng	89
11) bis(2-Chloroethyl)ether	6.75	93	598953	44.484	ng	92
12) 1,3-Dichlorobenzene	6.97	146	749885	47.526	ng	100
13) 1,4-Dichlorobenzene	7.04	146	752114	47.443	ng	96
14) 1,2-Dichlorobenzene	7.20	146	689177	46.737	ng	97
15) Benzyl Alcohol	7.16	79	585719	43.213	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.29	45	1166932	42.070	ng	97
17) 2-Methylphenol	7.26	107	522882	44.682	ng	95
18) Hexachloroethane	7.54	117	272011	48.196	ng	91
19) n-Nitroso-di-n-propylamine	7.42	70	466019	42.802	ng	# 86
20) 3+4-Methylphenols	7.41	107	657561	43.848	ng	90
22) Acetophenone	7.43	105	884434	46.794	ng	# 95
24) Nitrobenzene	7.60	77	689899	47.098	ng	95
25) Isophorone	7.84	82	1249802	45.266	ng	96
26) 2-Nitrophenol	7.92	139	277786	50.216	ng	91
27) 2,4-Dimethylphenol	7.95	122	578686	47.223	ng	99
28) bis(2-Chloroethoxy)methane	8.04	93	749520	46.501	ng	99
29) 2,4-Dichlorophenol	8.16	162	544170	48.254	ng	97
30) 1,2,4-Trichlorobenzene	8.24	180	587956	47.288	ng	98
31) Naphthalene	8.33	128	1783921	48.528	ng	98
32) Benzoic acid	8.06	122	284323	40.981	ng	91
33) 4-Chloroaniline	8.37	127	518249	32.350	ng	98
34) Hexachlorobutadiene	8.44	225	372962	47.384	ng	98
35) Caprolactam	8.74	113	192939m	54.595	ng	
36) 4-Chloro-3-methylphenol	8.85	107	581157	47.770	ng	98
37) 2-Methylnaphthalene	9.02	142	1238607	47.623	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.19	216	619439	47.993	ng	99
40) Hexachlorocyclopentadiene	9.17	237	717787	86.100	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.30	196	414868	51.798	ng	98
43) 2,4,5-Trichlorophenol	9.34	196	436211	49.475	ng #	94
45) 1,1'-Biphenyl	9.49	154	1487642	48.006	ng	99
46) 2-Chloronaphthalene	9.52	162	1175796	48.007	ng	96
47) 2-Nitroaniline	9.61	65	399683	50.435	ng	84
48) Acenaphthylene	9.94	152	1879287	48.535	ng	97
49) Dimethylphthalate	9.78	163	1416868	48.395	ng	98
50) 2,6-Dinitrotoluene	9.85	165	305913	49.942	ng	97
51) Acenaphthene	10.11	154	1234972	52.074	ng	98
52) 3-Nitroaniline	10.02	138	259076	38.657	ng	99
53) 2,4-Dinitrophenol	10.14	184	224845	96.497	ng #	20
54) Dibenzofuran	10.28	168	1648051	47.965	ng	96
55) 4-Nitrophenol	10.18	139	497095	97.949	ng #	81
56) 2,4-Dinitrotoluene	10.26	165	422454	53.580	ng #	93
57) Fluorene	10.63	166	1312583	48.258	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.40	232	374969	50.882	ng #	86
59) Diethylphthalate	10.49	149	1372277	48.405	ng	95
60) 4-Chlorophenyl-phenylether	10.61	204	677774	47.822	ng	91
61) 4-Nitroaniline	10.65	138	339650	51.260	ng	97
62) Azobenzene	10.78	77	1374495	46.947	ng	92
64) 4,6-Dinitro-2-methylphenol	10.67	198	155727	47.972	ng	93
65) n-Nitrosodiphenylamine	10.74	169	1214771	47.539	ng	97
66) 4-Bromophenyl-phenylether	11.11	248	446529	47.517	ng #	88
67) Hexachlorobenzene	11.18	284	465477	47.078	ng #	90
68) Atrazine	11.26	200	422193	49.260	ng	96
69) Pentachlorophenol	11.37	266	464532	98.158	ng	96
70) Phenanthrene	11.60	178	1937913	47.515	ng	96
71) Anthracene	11.65	178	1980718	47.383	ng	97
72) Carbazole	11.80	167	1777543	47.860	ng	98
73) Di-n-butylphthalate	12.12	149	2112073	50.206	ng #	97
74) Fluoranthene	12.79	202	2139658	48.069	ng	96
76) Benzidine	12.91	184	1031226	39.592	ng	99
77) Pyrene	13.03	202	2134780	48.369	ng	96
79) Butylbenzylphthalate	13.63	149	938850	53.570	ng	95
80) Benzo(a)anthracene	14.22	228	1902478	47.552	ng	96
81) 3,3'-Dichlorobenzidine	14.18	252	493911	34.448	ng #	96
82) Chrysene	14.26	228	1735693	47.321	ng	98
83) Bis(2-ethylhexyl)phthalate	14.18	149	1226421	51.676	ng	98
84) Di-n-octyl phthalate	14.81	149	1924300	53.165	ng #	94
85) Indeno(1,2,3-cd)pyrene	17.45	276	1371636	43.159	ng #	91
87) Benzo(b)fluoranthene	15.37	252	1526818	48.402	ng	96
88) Benzo(k)fluoranthene	15.37	252	1526818	52.654	ng #	97
89) Benzo(a)pyrene	15.74	252	1447344	51.238	ng #	96
90) Dibenzo(a,h)anthracene	17.47	278	1142972	48.904	ng #	94
91) Benzo(g,h,i)perylene	17.95	276	1123865	48.834	ng #	91

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

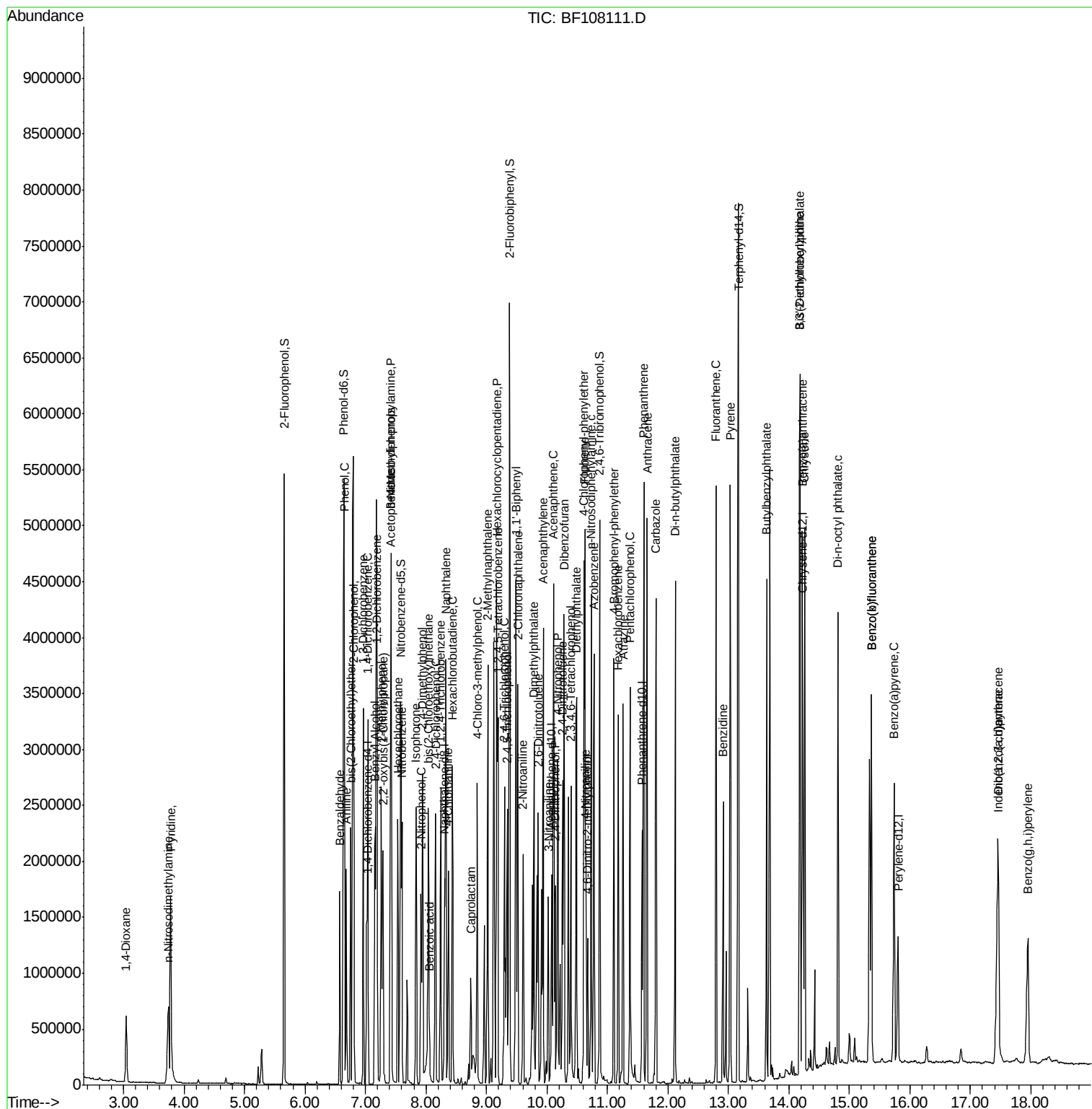
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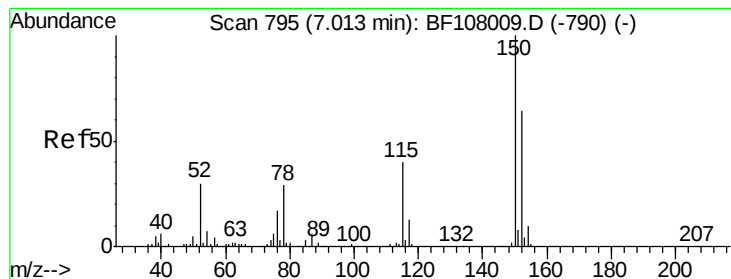
Instrument :
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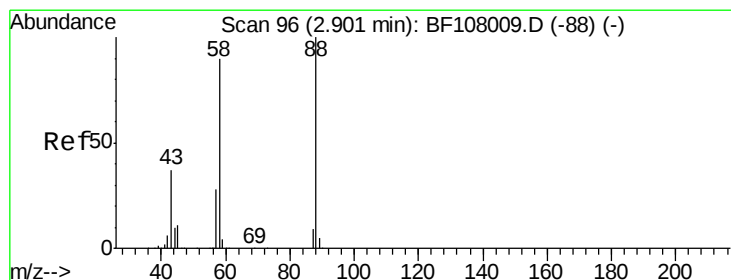
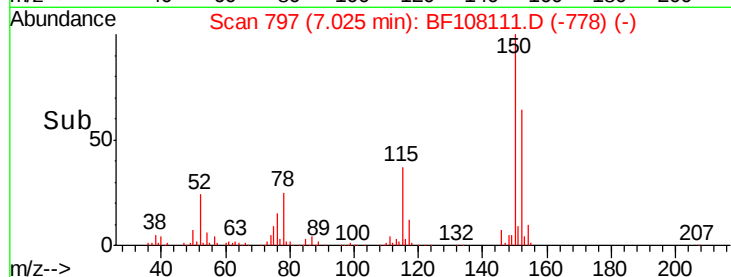
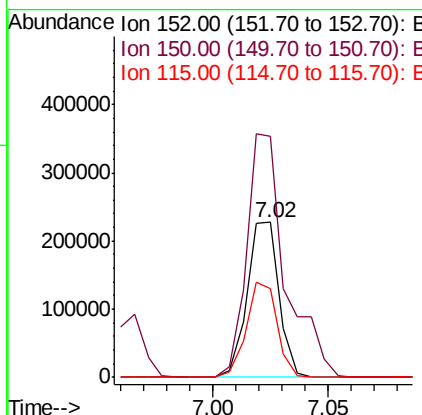
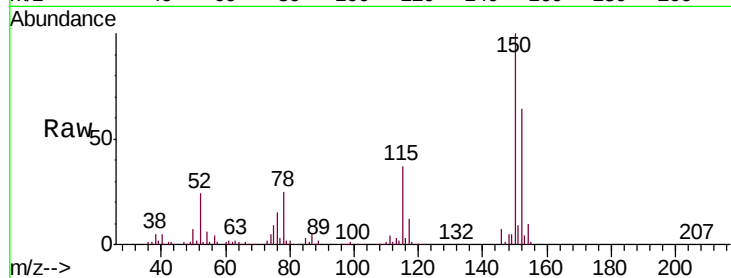
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.02 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	57.2	50.1	75.1

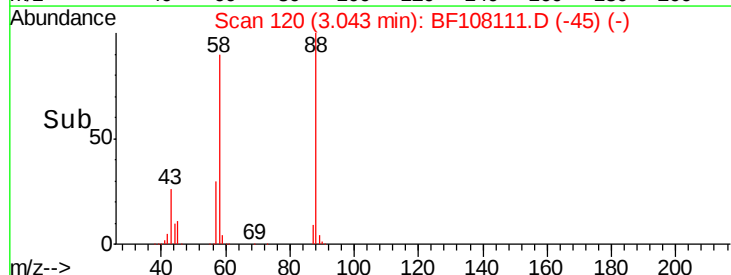
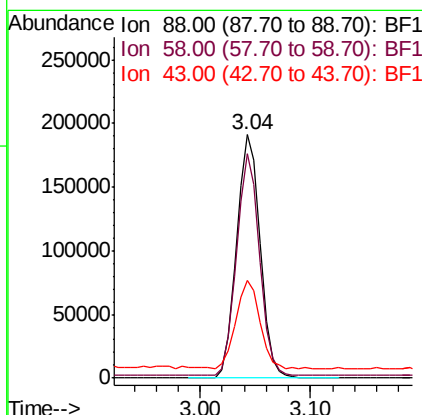
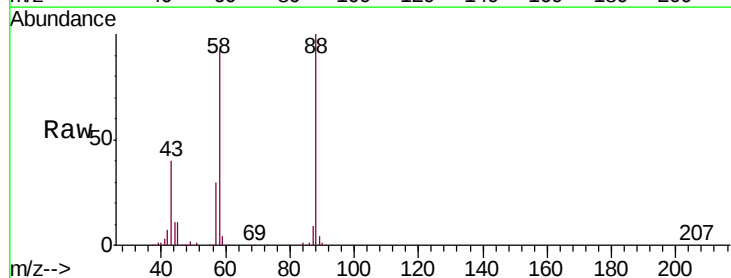
Manual Integrations
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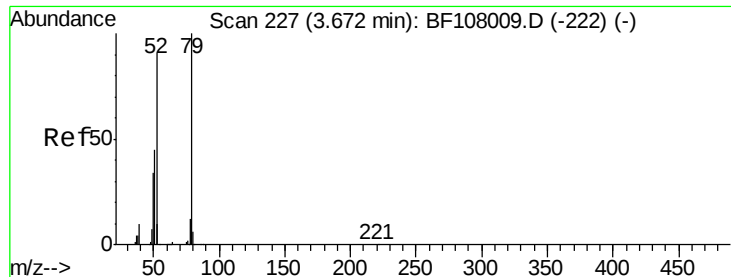
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#2
 1,4-Dioxane
 Concen: 46.292 ng
 RT: 3.04 min Scan# 120
 Delta R.T. 0.14 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.6	62.6	93.8
43	36.7	24.6	37.0





#3

Pyridine

Concen: 47.253 ng

RT: 3.78 min Scan# 245

Delta R.T. 0.11 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :

BNA_F

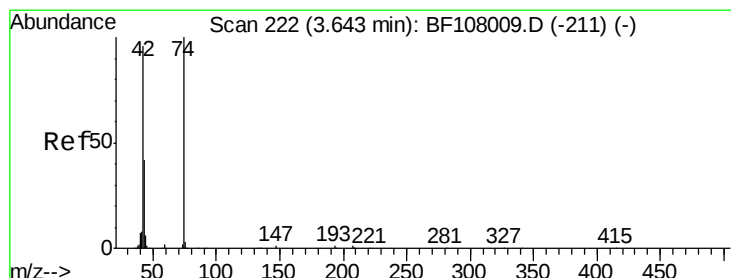
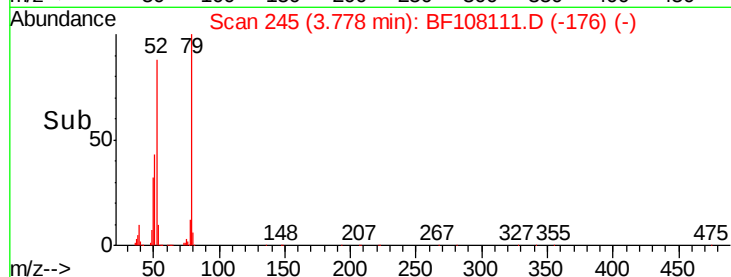
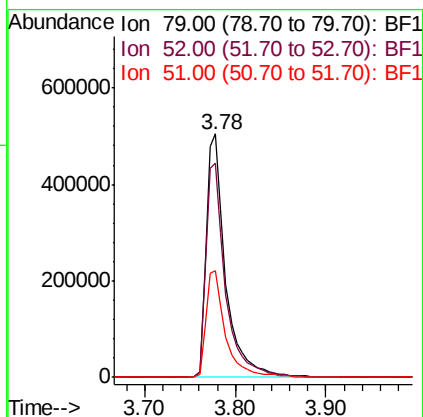
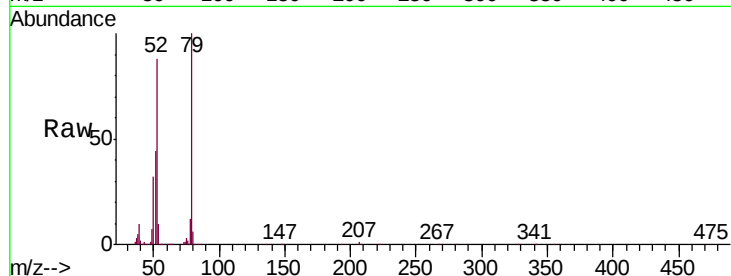
ClientSampleId :

PB111971BS

Tgt Ion:	79	Resp:	757822
Ion	Ratio	Lower	Upper
79	100		
52	88.1	59.8	89.6
51	43.6	29.8	44.8

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#4

n-Nitrosodimethylamine

Concen: 45.432 ng

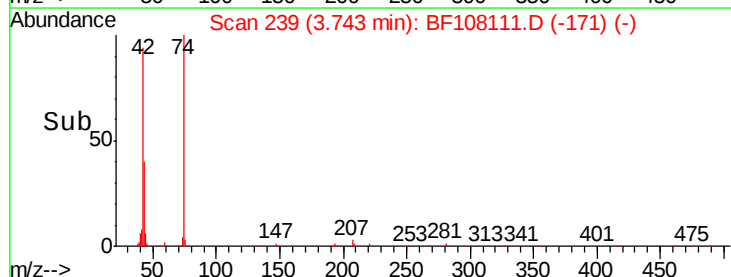
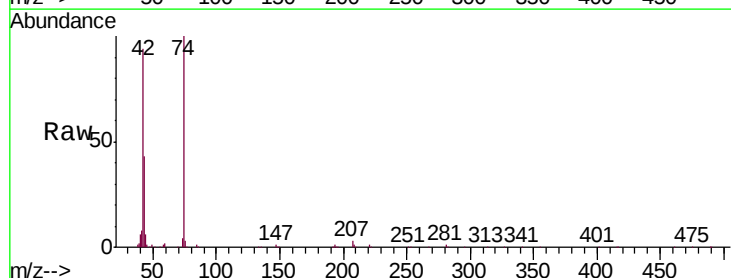
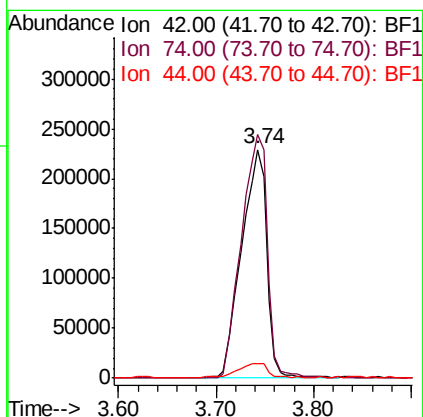
RT: 3.74 min Scan# 239

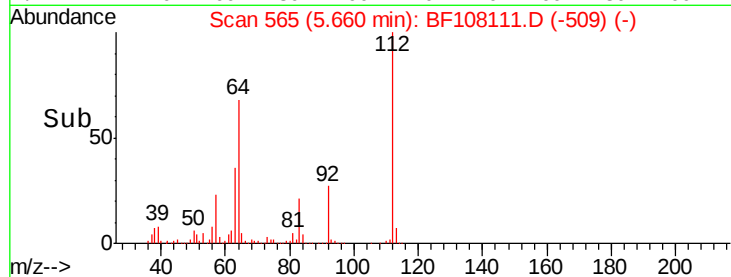
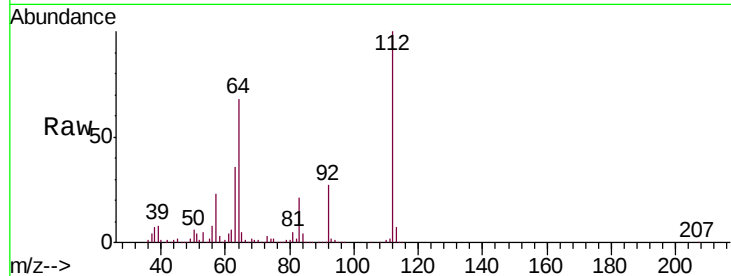
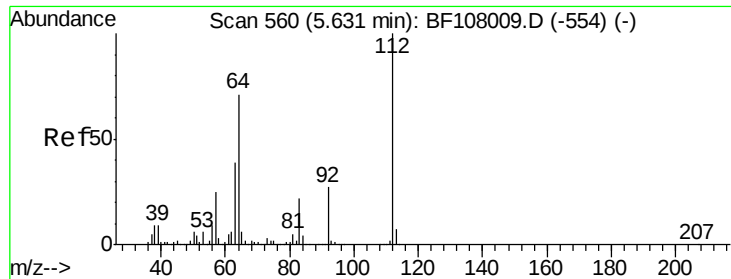
Delta R.T. 0.10 min

Lab File: BF108111.D

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Tgt Ion:	42	Resp:	409989
Ion	Ratio	Lower	Upper
42	100		
74	106.6	104.9	157.3
44	6.6	6.9	10.3#





#5

2-Fluorophenol

Concen: 120.647 ng

RT: 5.66 min Scan# 565

Delta R.T. 0.03 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion:	112	Resp:	1461785
Ion	Ratio	Lower	Upper
112	100		
64	68.1	47.9	71.9
63	36.0	23.7	35.5#

Instrument :

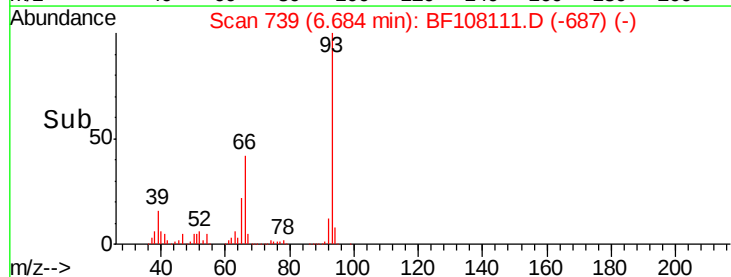
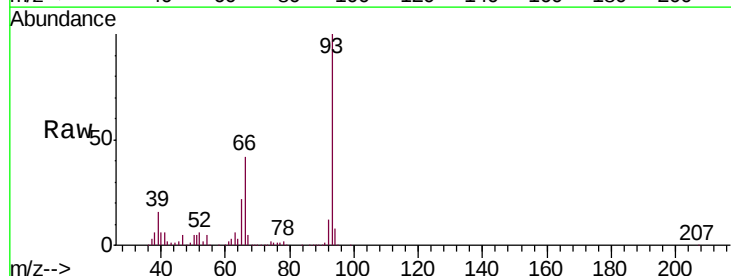
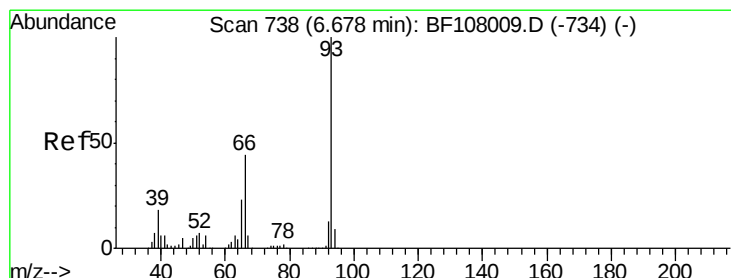
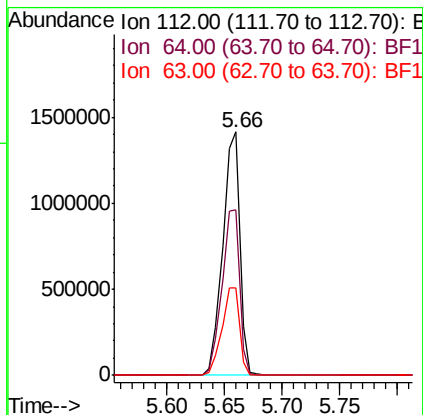
BNA_F

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#6

Aniline

Concen: 32.316 ng

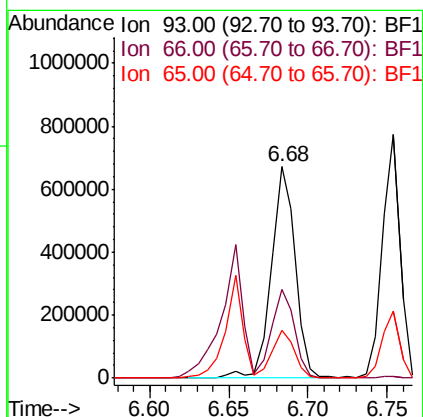
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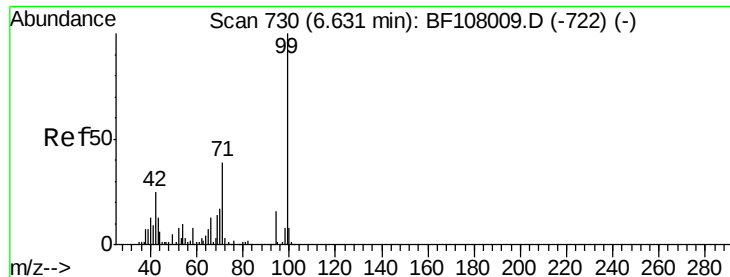
Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion:	93	Resp:	707736
Ion	Ratio	Lower	Upper
93	100		
66	41.9	32.2	48.2
65	22.5	16.4	24.6





#7

Phenol-d6

Concen: 121.314 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :

BNA_F

ClientSampleId :

PB111971BS

Tgt Ion: 99 Resp: 1953257

Ion Ratio Lower Upper

99 100

42 24.4 14.5 21.7#

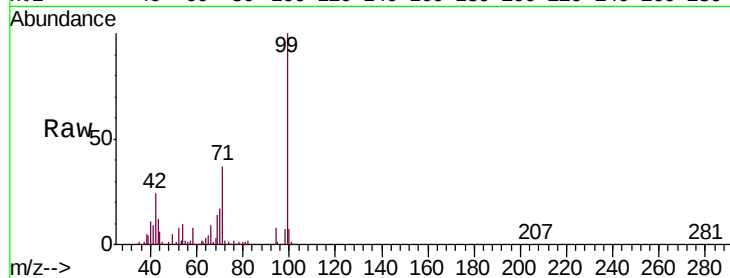
71 37.5 25.4 38.0

Manual Integrations

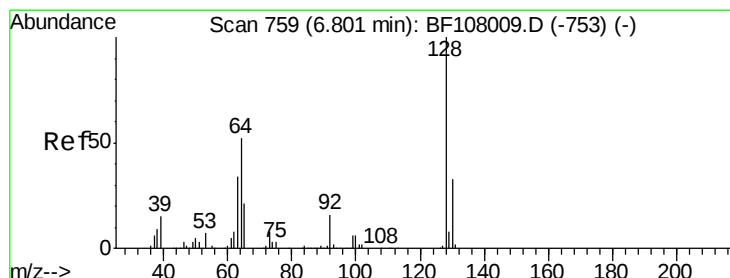
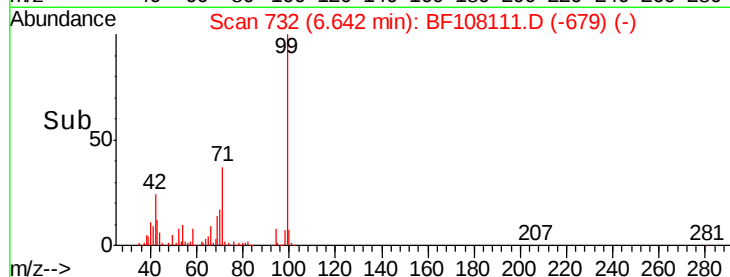
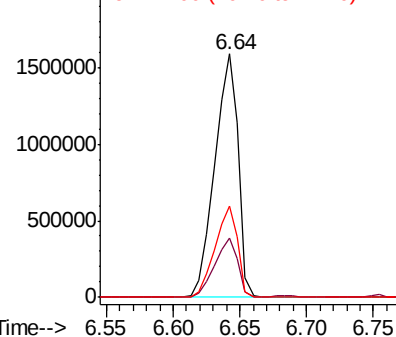
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.464 ng

RT: 6.81 min Scan# 760

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

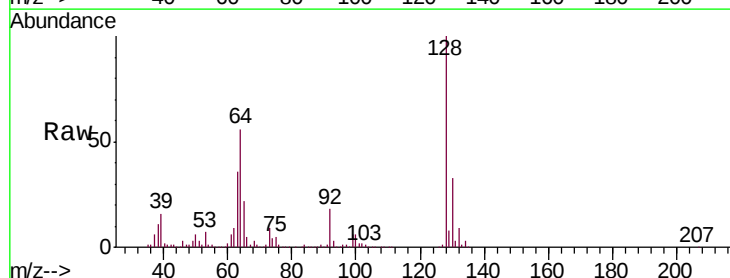
Tgt Ion: 128 Resp: 606765

Ion Ratio Lower Upper

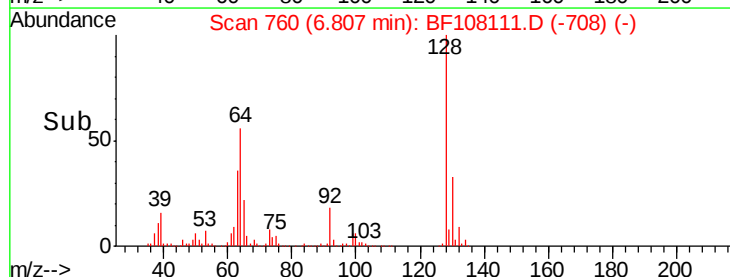
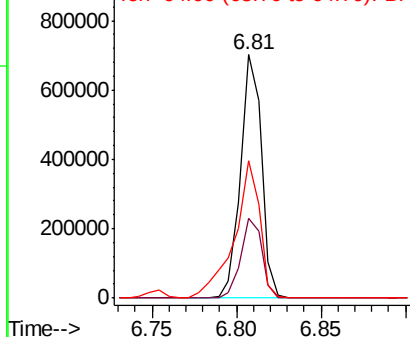
128 100

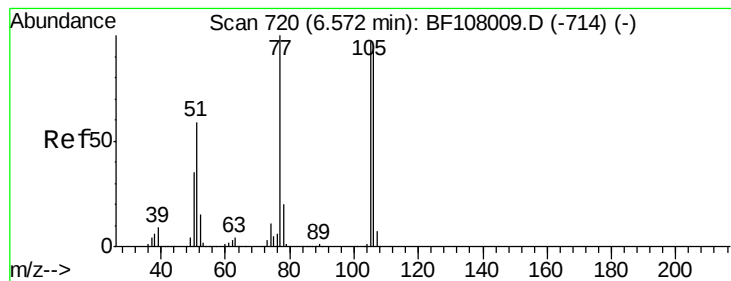
130 32.6 13.0 53.0

64 56.3 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: 25.202 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF108111.D

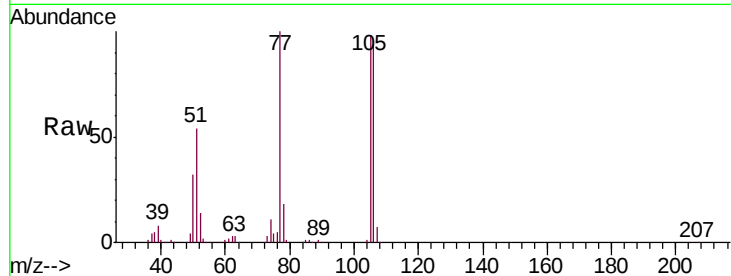
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Instrument :

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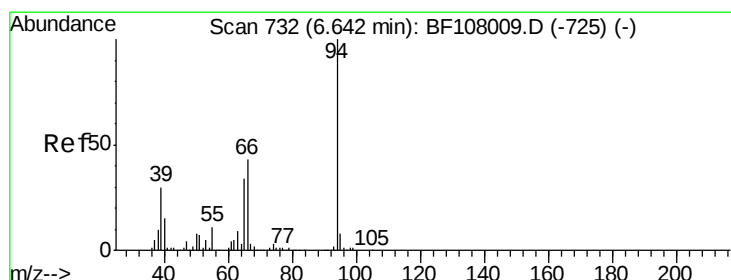
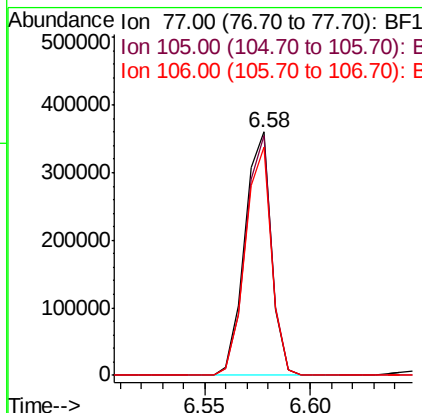
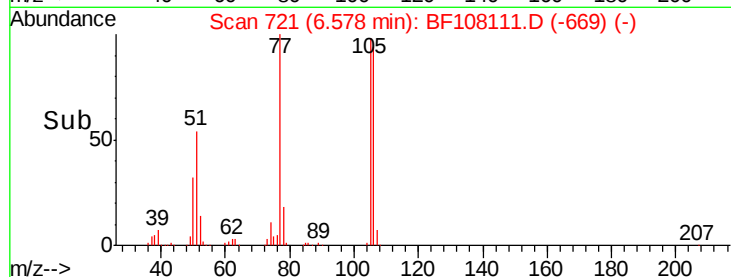
PB111971BS



Tgt Ion:	77	Resp:	314595
Ion Ratio	Lower	Upper	
77	100		
105	98.5	81.1	121.1
106	93.7	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 43.317 ng

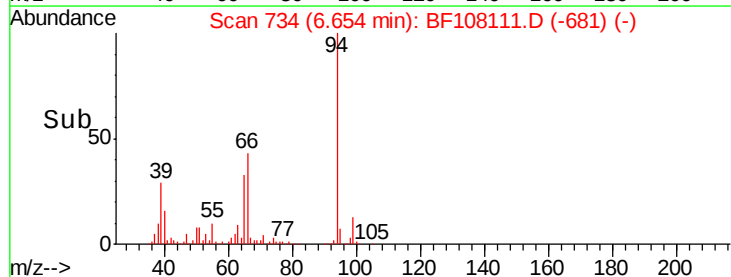
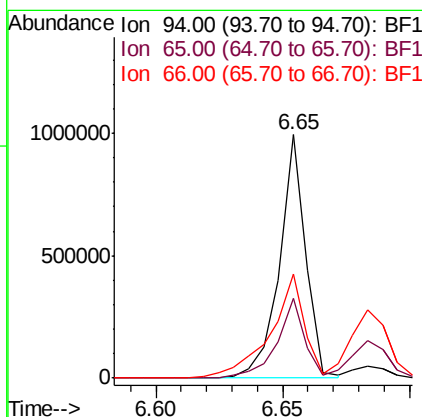
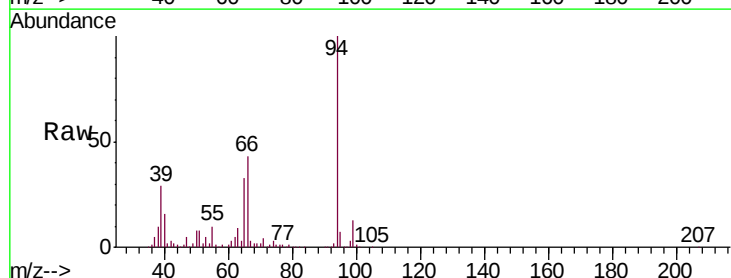
RT: 6.65 min Scan# 734

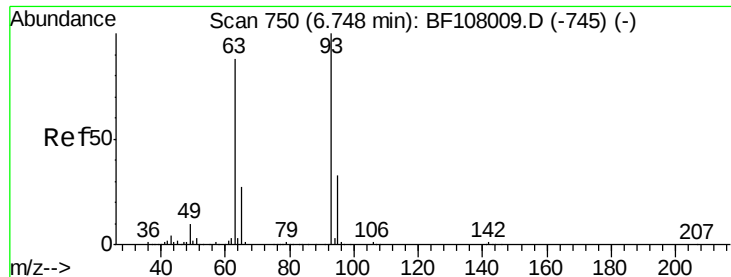
Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion:	94	Resp:	721426
Ion Ratio	Lower	Upper	
94	100		
65	33.0	7.9	47.9
66	42.8	16.2	56.2





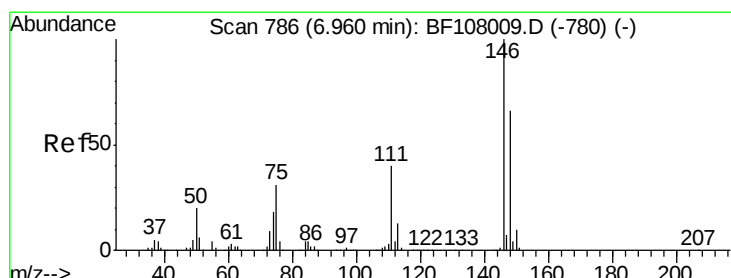
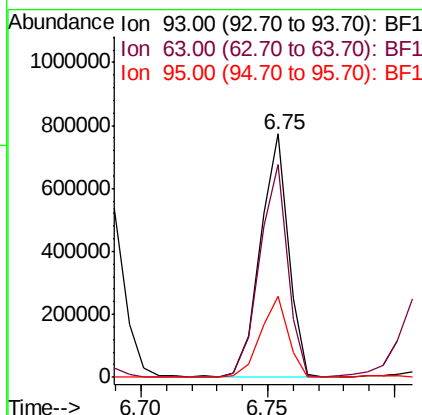
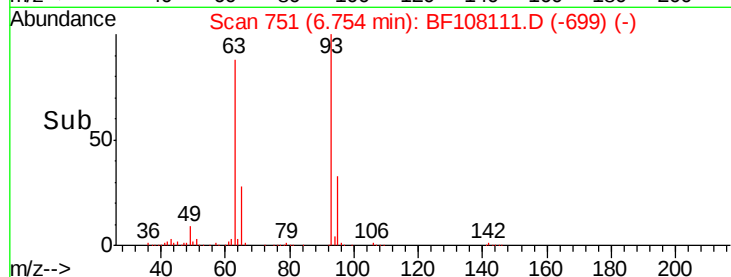
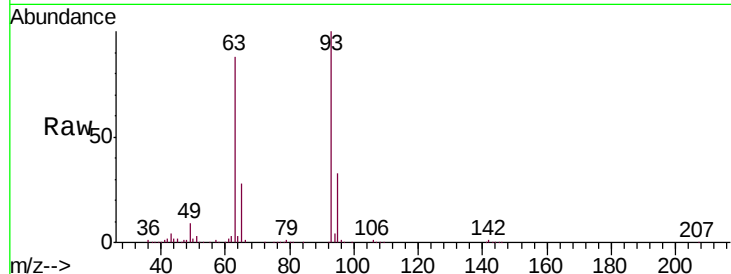
#11
 bis(2-Chloroethyl)ether
 Concen: 44.484 ng
 RT: 6.75 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion:	93	Resp:	598953
Ion	Ratio	Lower	Upper
93	100		
63	87.6	58.6	98.6
95	33.4	11.8	51.8

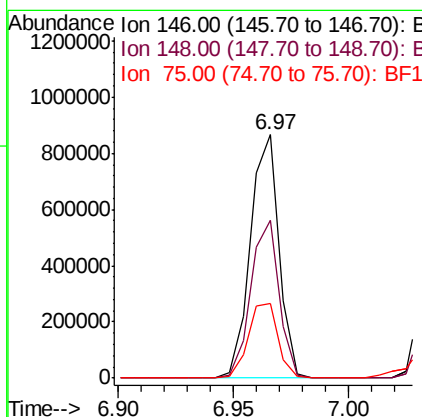
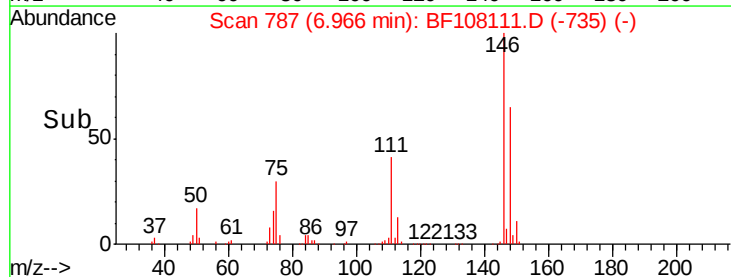
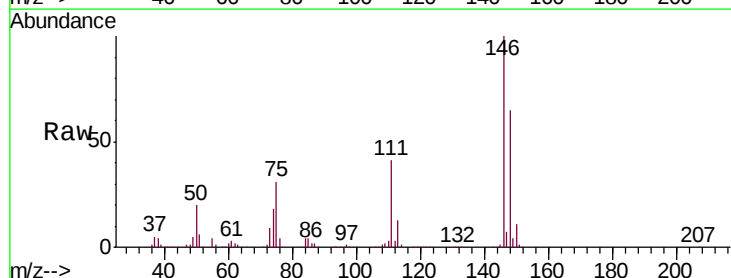
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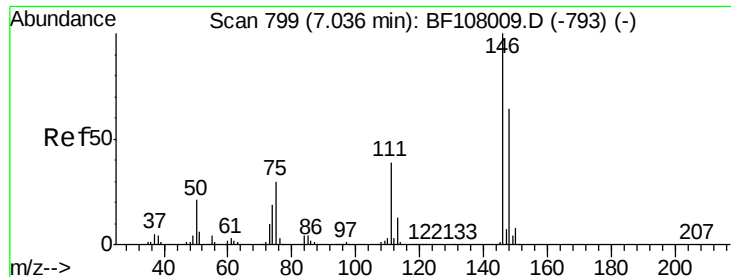
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#12
 1,3-Dichlorobenzene
 Concen: 47.526 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion:	146	Resp:	749885
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	30.6	24.2	36.4





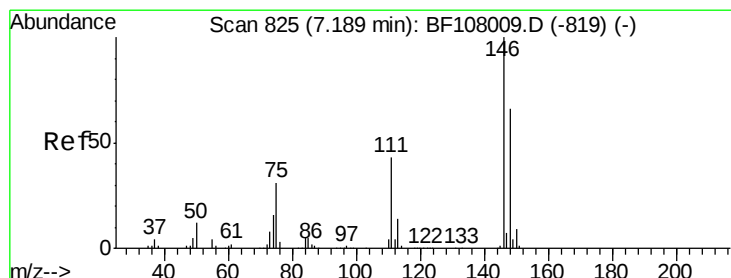
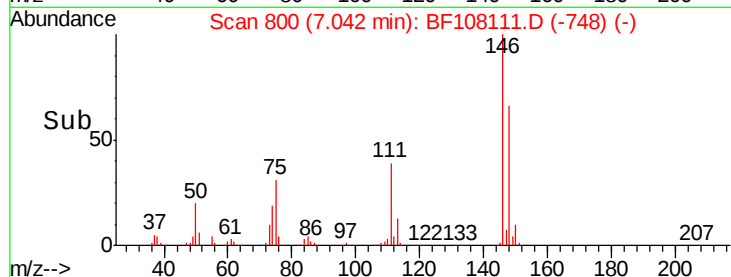
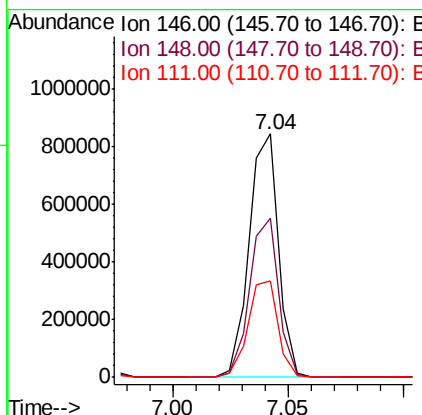
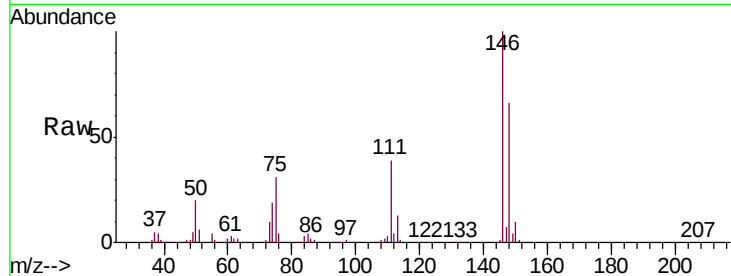
#13
 1,4-Dichlorobenzene
 Concen: 47.443 ng
 RT: 7.04 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	752114		
148	65.5	50.8	76.2	
111	39.5	34.2	51.2	

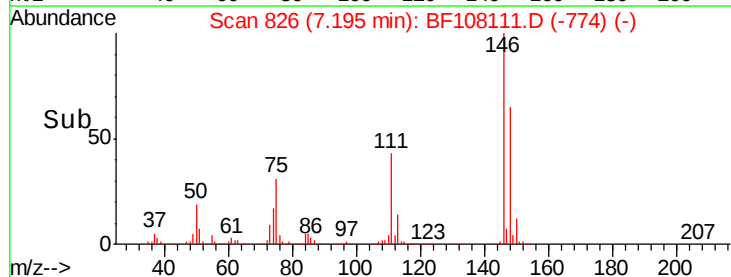
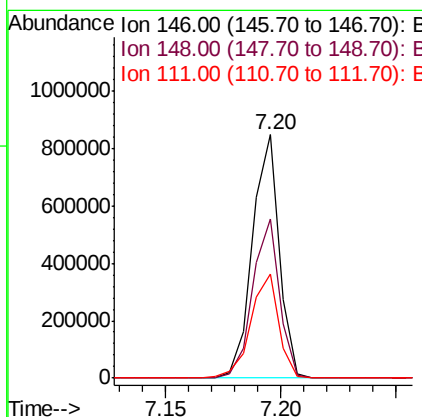
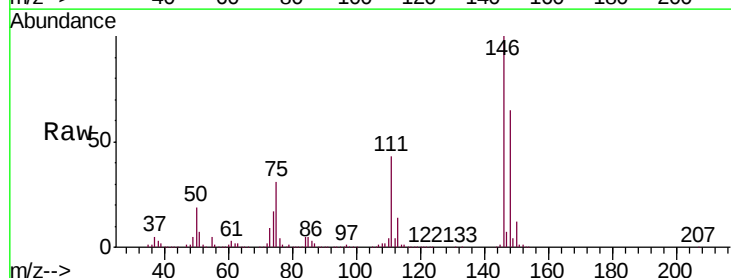
Manual Integrations
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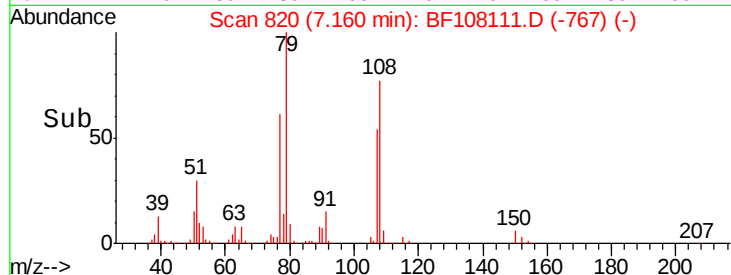
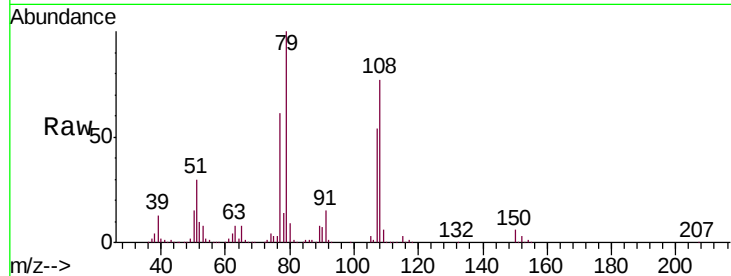
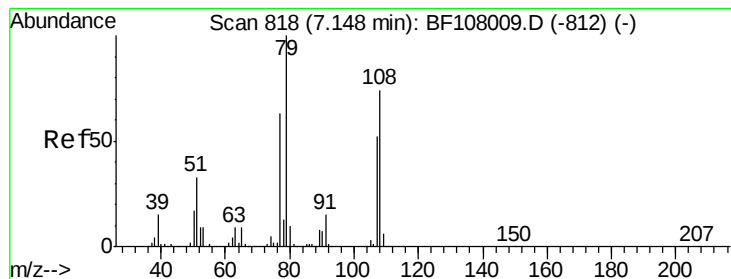
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#14
 1,2-Dichlorobenzene
 Concen: 46.737 ng
 RT: 7.20 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	689177		
148	65.4	50.6	75.8	
111	42.7	36.0	54.0	





#15

Benzyl Alcohol

Concen: 43.213 ng

RT: 7.16 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion:	79	Resp:	585719
Ion Ratio	Lower	Upper	
79	100		
108	76.6	65.1	97.7
77	61.1	50.6	75.8

Instrument :

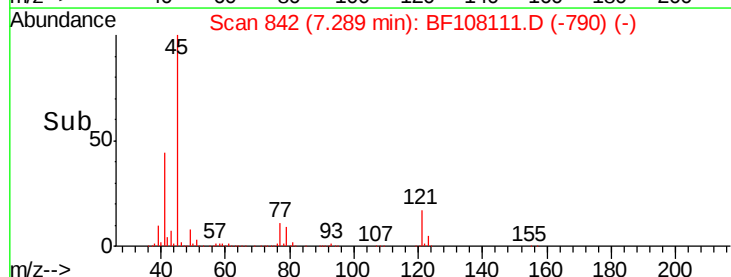
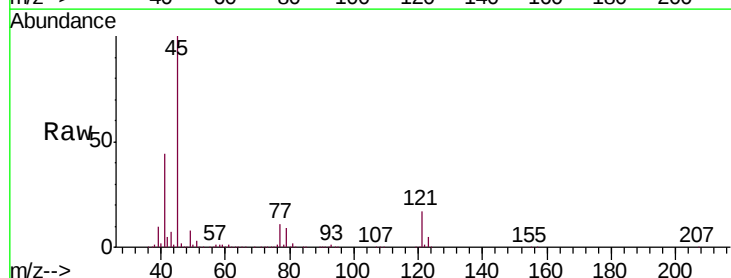
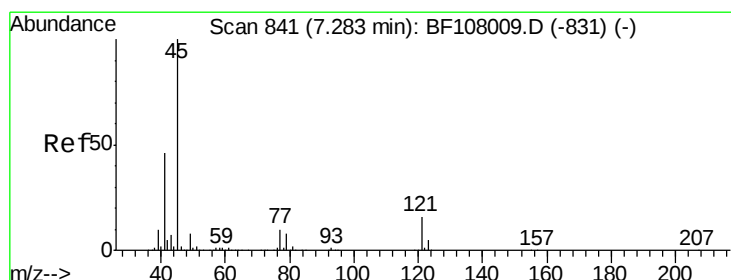
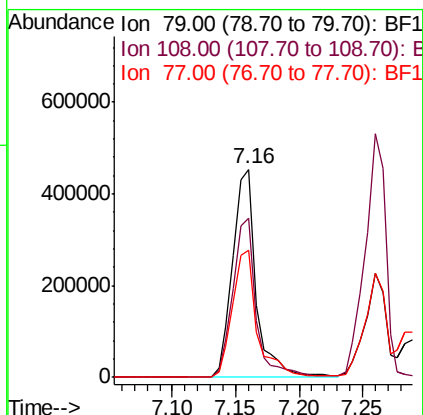
BNA_F

ClientSampleId :

PB111971BS

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.070 ng

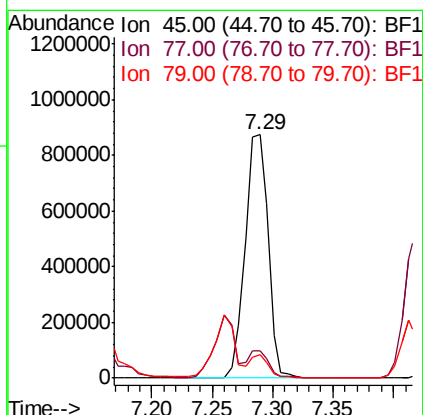
RT: 7.29 min Scan# 842

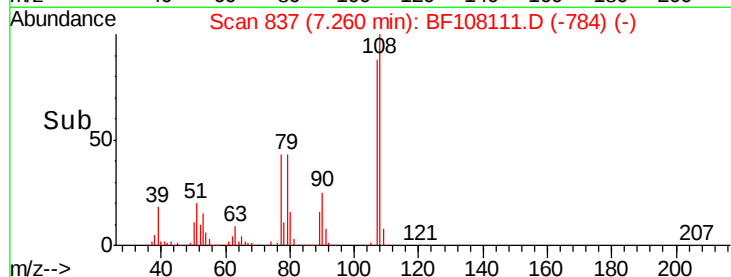
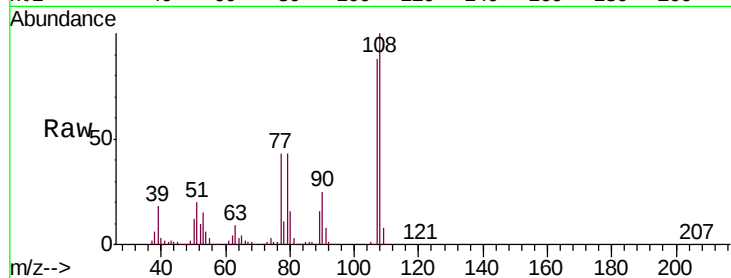
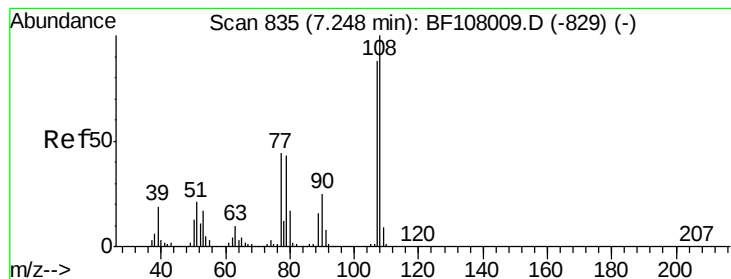
Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion:	45	Resp:	1166932
Ion Ratio	Lower	Upper	
45	100		
77	11.3	0.0	32.9
79	9.4	0.0	29.6





#17

2-Methylphenol

Concen: 44.682 ng

RT: 7.26 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt	Ion	Resp	Lower	Upper
107	100			
108	113.8	91.7	137.5	
77	48.6	33.8	50.8	
79	48.5	33.8	50.8	

Instrument :

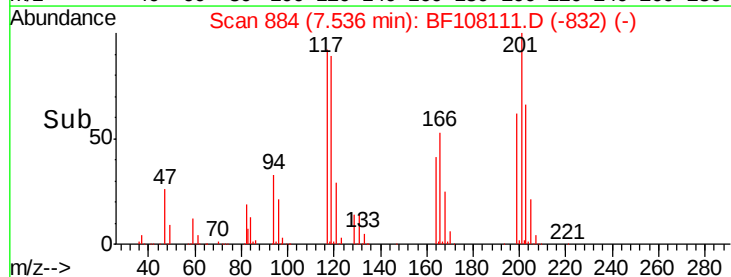
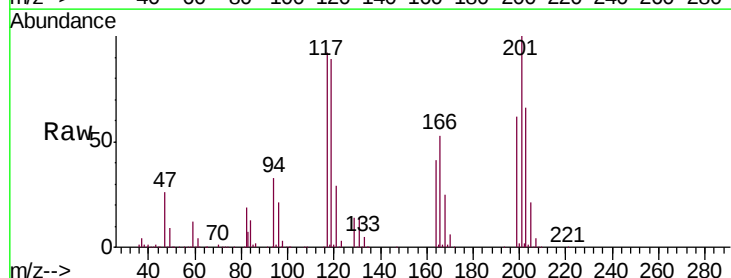
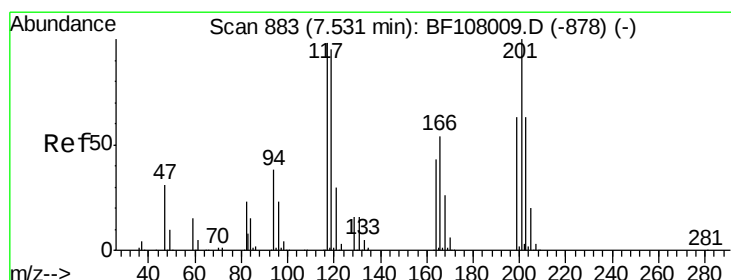
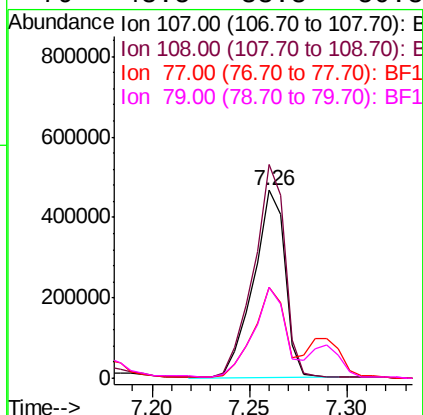
BNA_F

ClientSampleId :

PB111971BS

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#18

Hexachloroethane

Concen: 48.196 ng

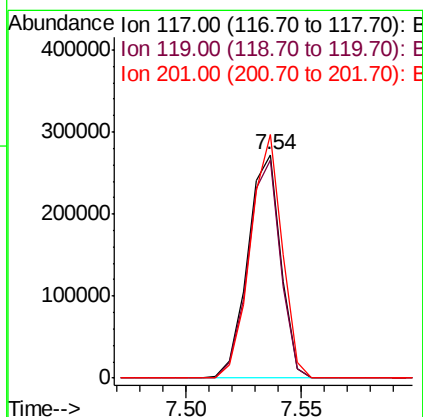
RT: 7.54 min Scan# 884

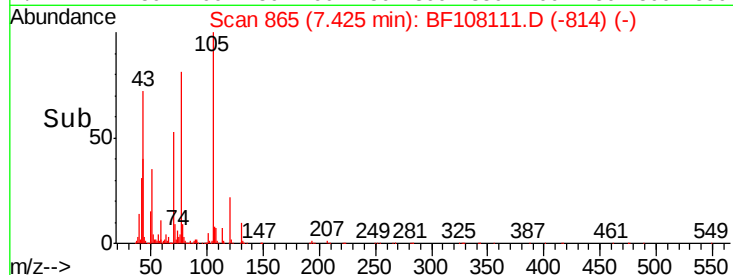
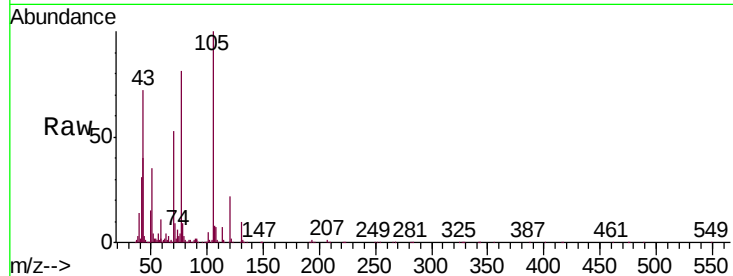
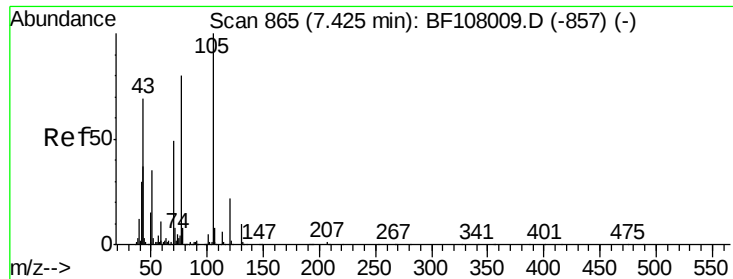
Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt	Ion	Resp	Lower	Upper
117	100			
119	97.4	75.8	113.8	
201	109.0	75.7	113.5	





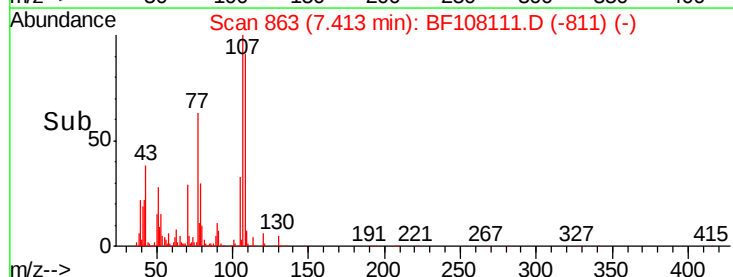
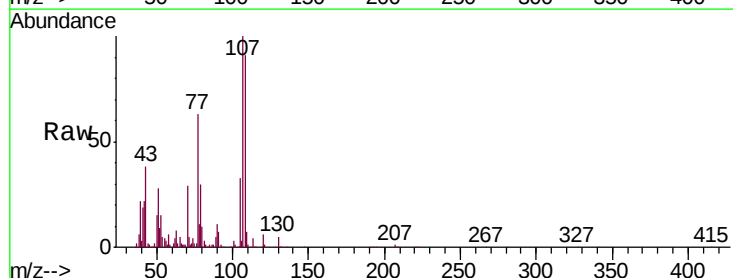
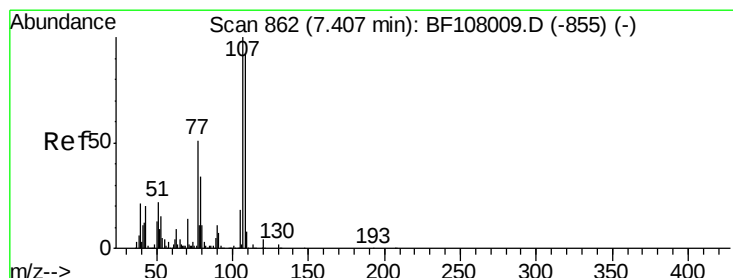
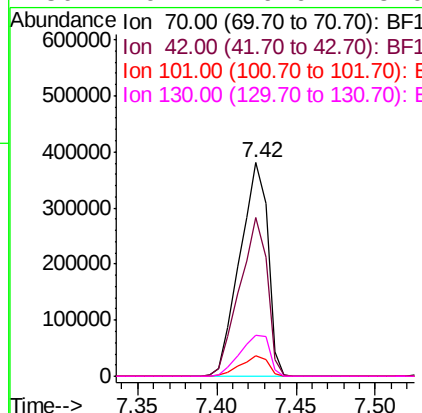
#19
n-Nitroso-di-n-propylamine
Concen: 42.802 ng
RT: 7.42 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	466019		
42	74.3	47.5	71.3#	
101	9.3	7.4	11.2	
130	19.4	16.6	25.0	

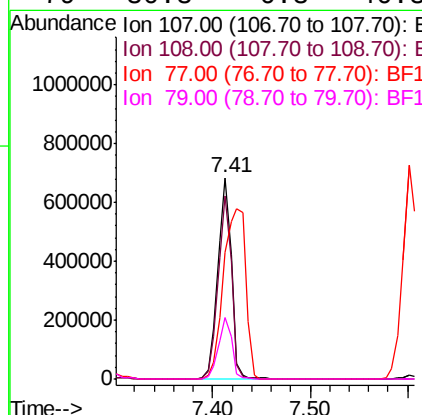
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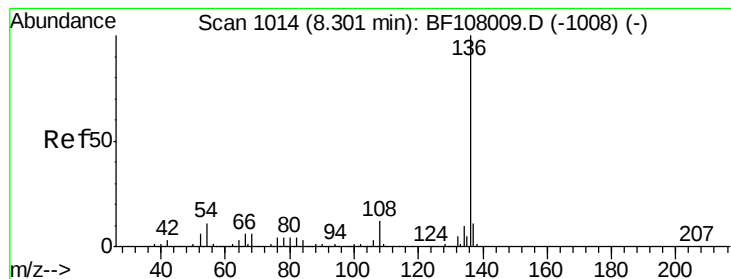
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#20
3+4-Methylphenols
Concen: 43.848 ng
RT: 7.41 min Scan# 863
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	657561		
108	91.3	68.2	108.2	
77	63.1	26.7	66.7	
79	30.3	6.3	46.3	





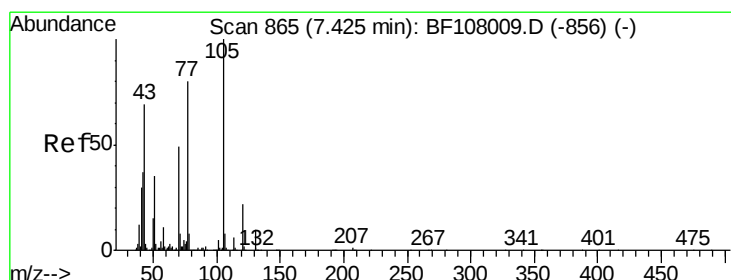
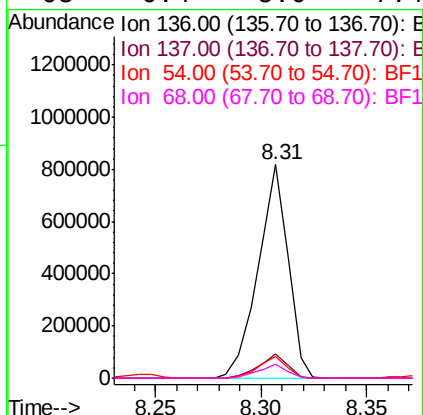
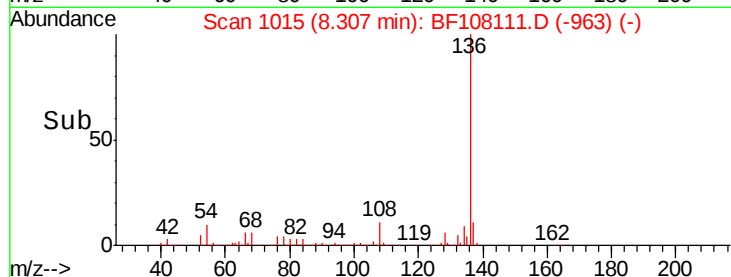
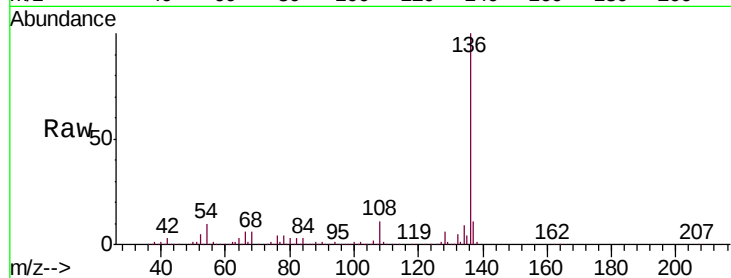
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.31 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	808327		
137	11.2	8.9	13.3	
54	10.2	6.6	9.8#	
68	6.4	5.0	7.4	

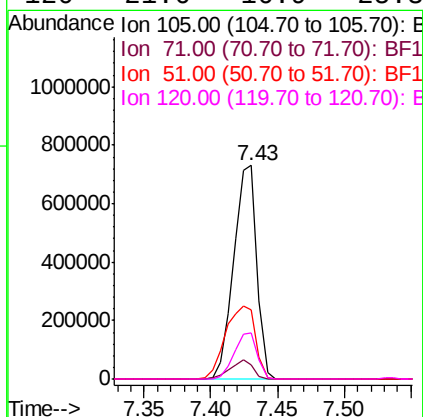
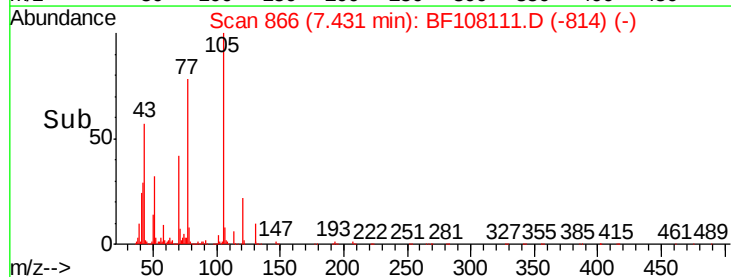
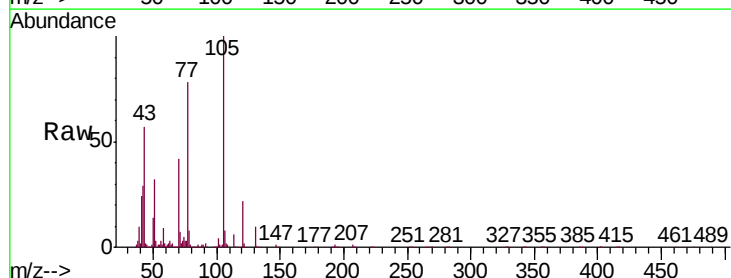
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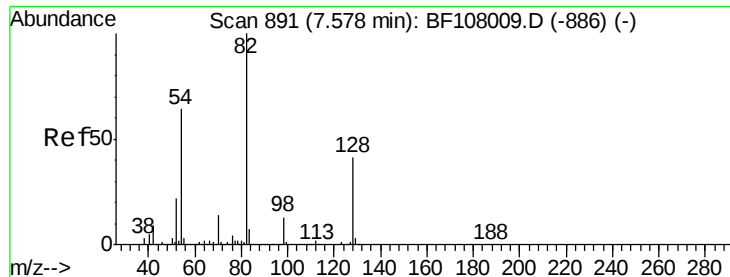
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#22
Acetophenone
Concen: 46.794 ng
RT: 7.43 min Scan# 866
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	884434		
71	6.9	4.4	6.6#	
51	32.1	22.3	33.5	
120	21.6	16.9	25.3	





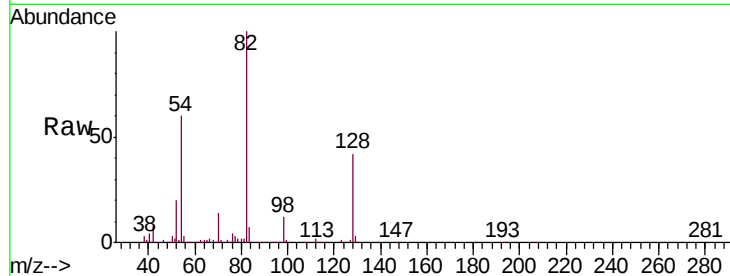
#23
 Nitrobenzene-d5
 Concen: 89.851 ng
 RT: 7.58 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	60.1	41.4	62.2

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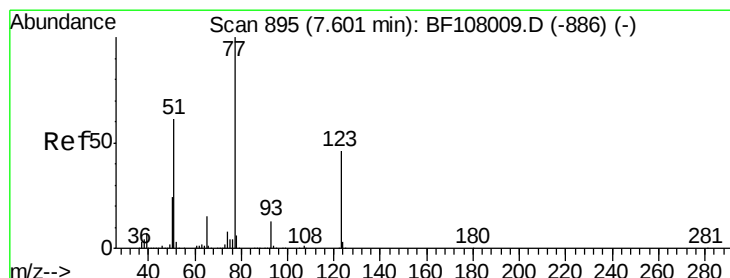
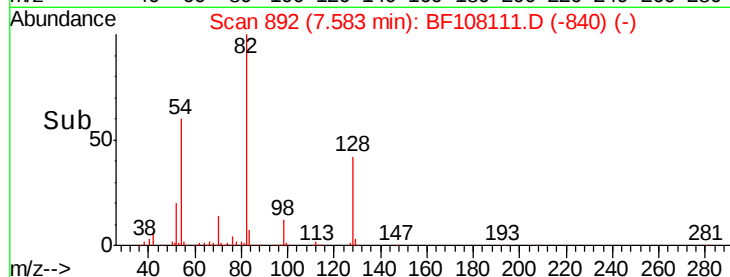
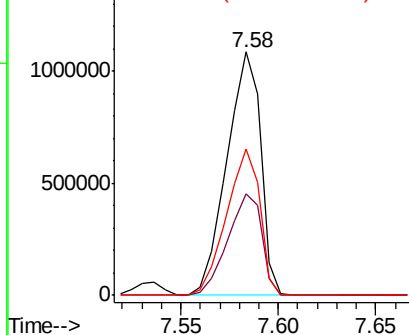


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24
 Nitrobenzene
 Concen: 47.098 ng
 RT: 7.60 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

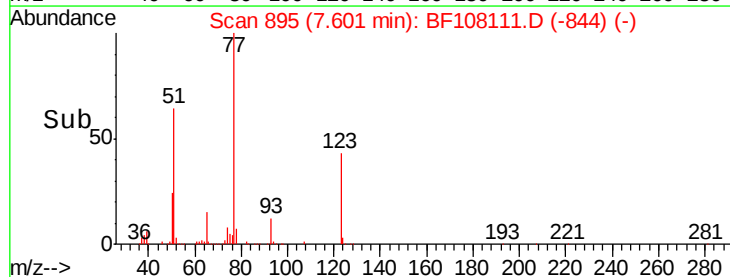
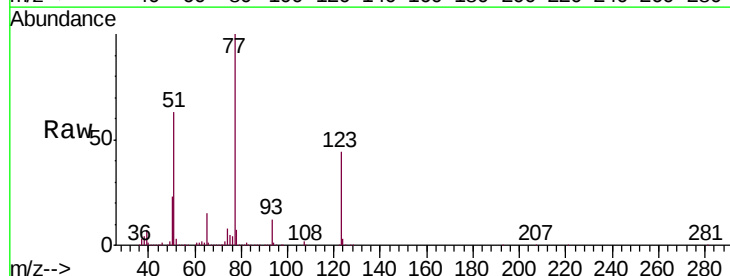
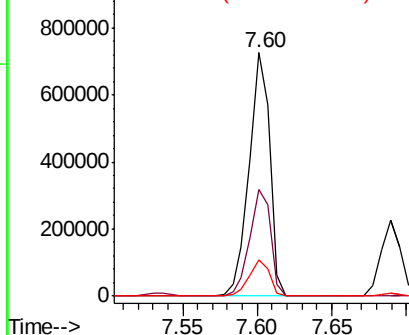
Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.6	37.9	56.9
65	14.8	11.0	16.4

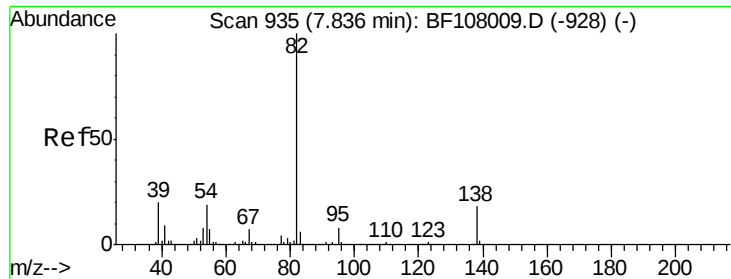
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





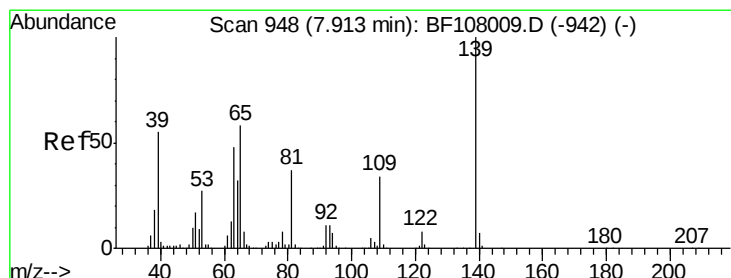
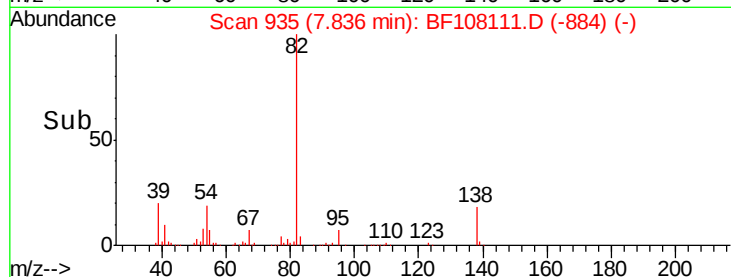
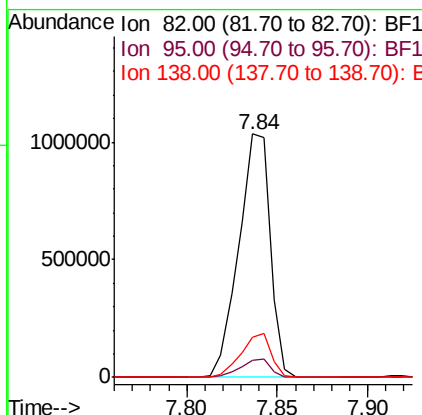
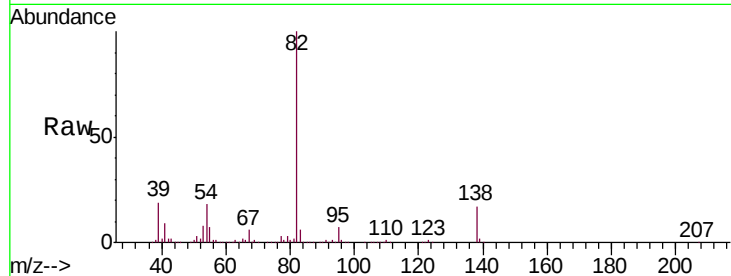
#25
Isophorone
Concen: 45.266 ng
RT: 7.84 min Scan# 935
Delta R.T. 0.00 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.2	7.8
138	16.6	14.9	22.3

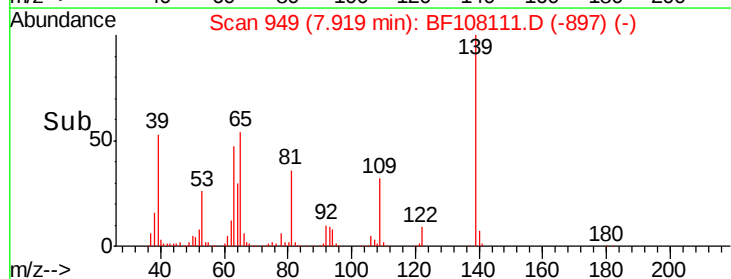
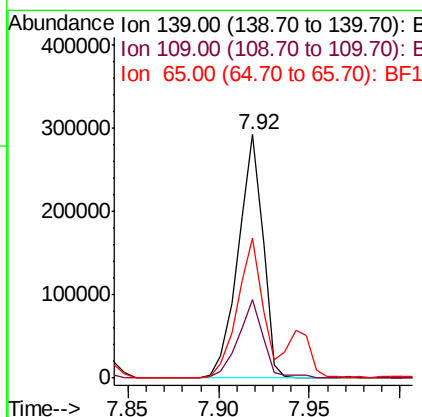
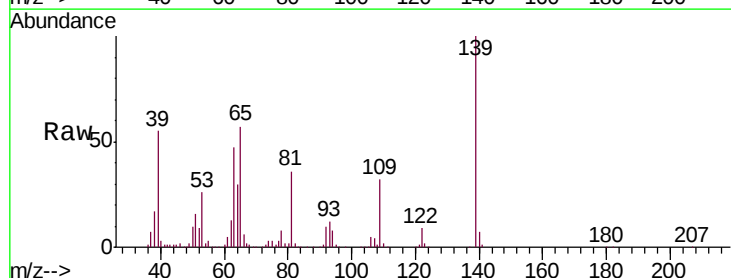
Manual Integrations
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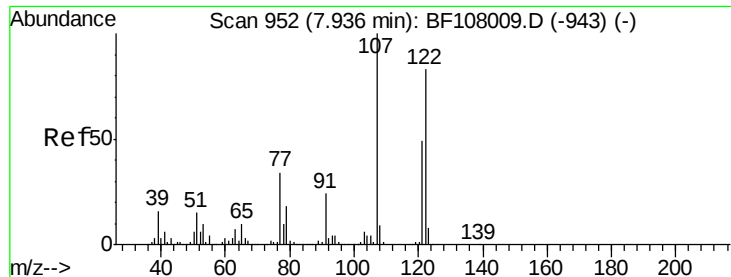
Sohil
8/14/2018 2:36:22 PM



#26
2-Nitrophenol
Concen: 50.216 ng
RT: 7.92 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
139	100		
109	32.3	22.7	34.1
65	57.2	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 47.223 ng

RT: 7.95 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :

BNA_F

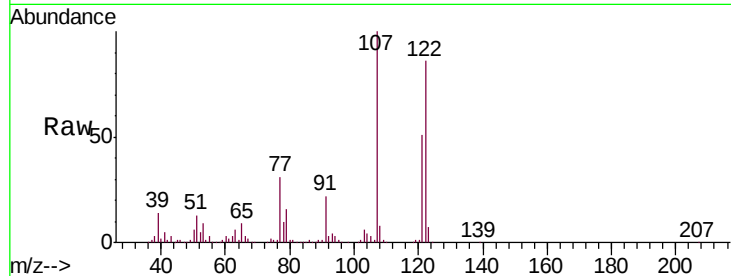
ClientSampleId :

PB111971BS

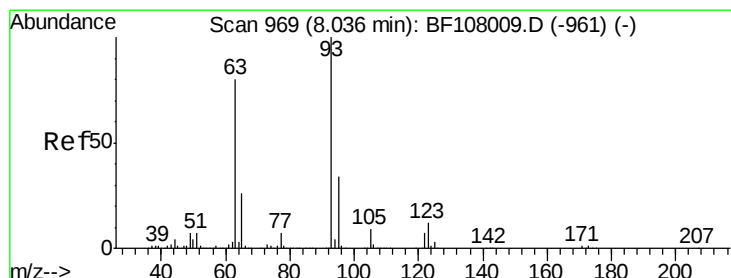
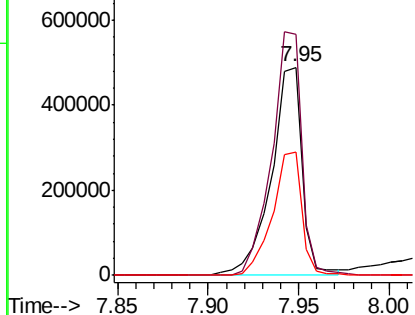
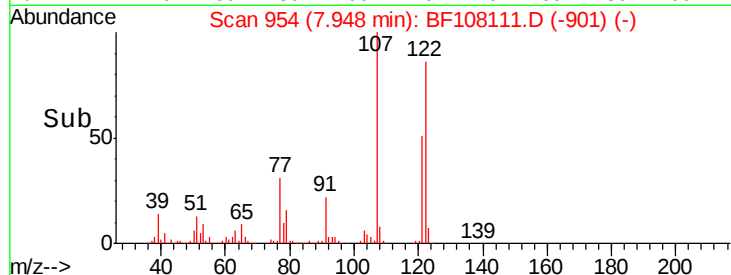
Tgt Ion:	122	Resp:	578686
Ion Ratio	Lower	Upper	
122	100		
107	115.9	91.2	136.8
121	59.2	47.2	70.8

Manual Integrations
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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 46.501 ng

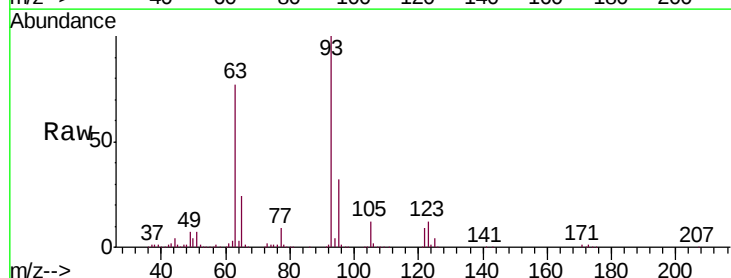
RT: 8.04 min Scan# 970

Delta R.T. 0.01 min

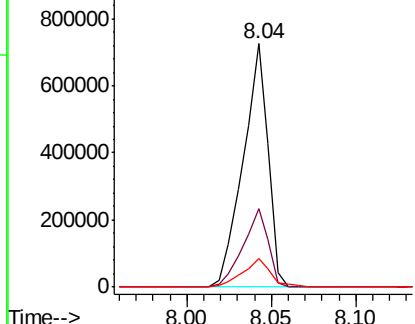
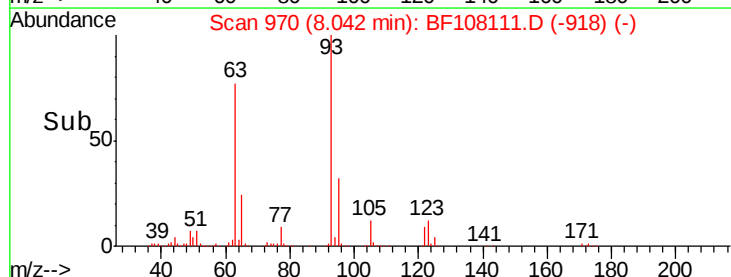
Lab File: BF108111.D

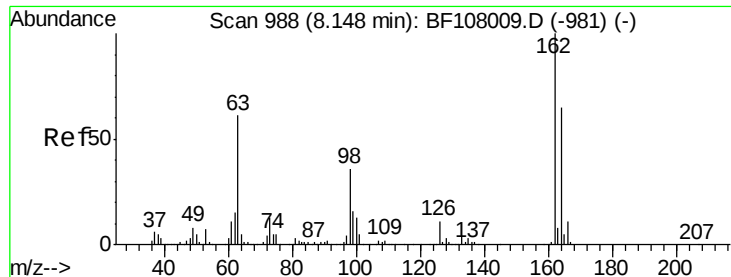
Acq: 13 Aug 2018 12:56

Tgt Ion:	93	Resp:	749520
Ion Ratio	Lower	Upper	
93	100		
95	32.4	26.3	39.5
123	11.5	9.8	14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





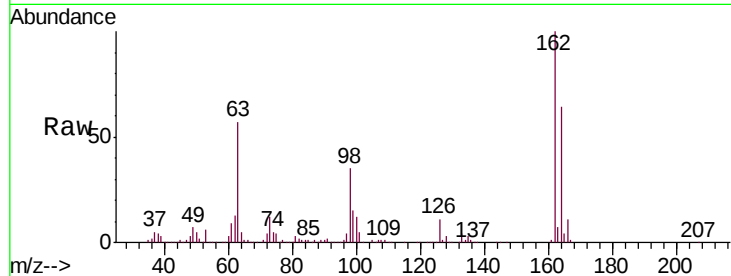
#29
2,4-Dichlorophenol
Concen: 48.254 ng
RT: 8.16 min Scan# 990
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	544170		
164	63.6	42.7	82.7	
98	34.8	18.1	58.1	

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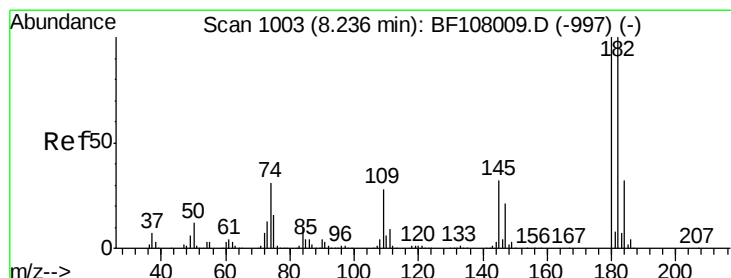
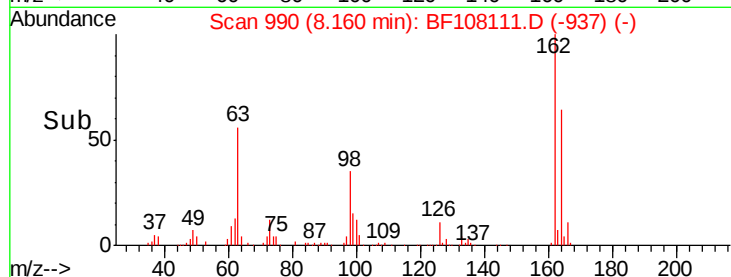
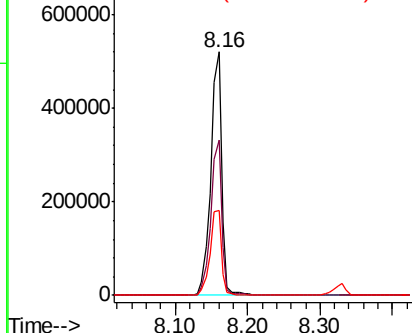


Abundance

Ion 162.00 (161.70 to 162.70): E

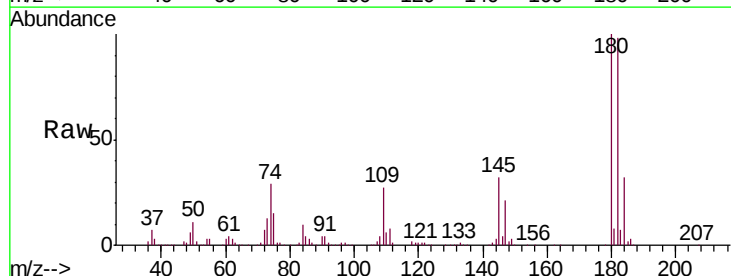
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 47.288 ng
RT: 8.24 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	587956		
182	97.8	76.8	115.2	
145	32.2	26.5	39.7	

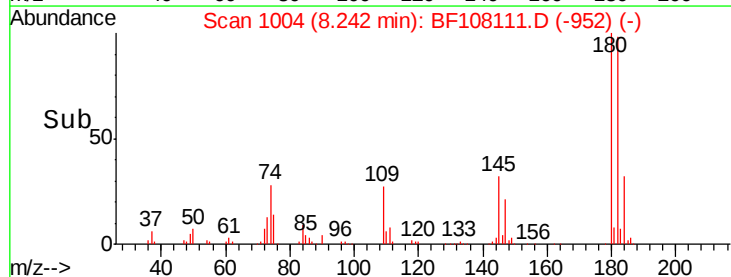
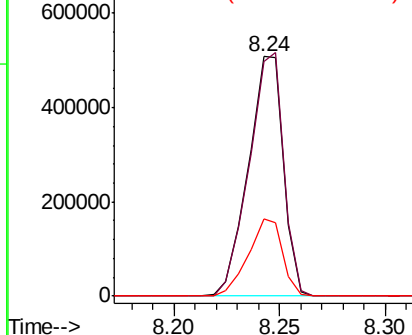


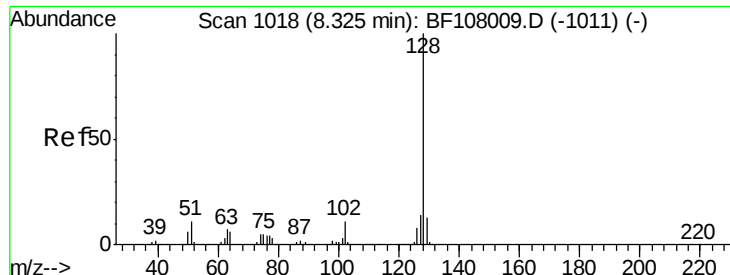
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





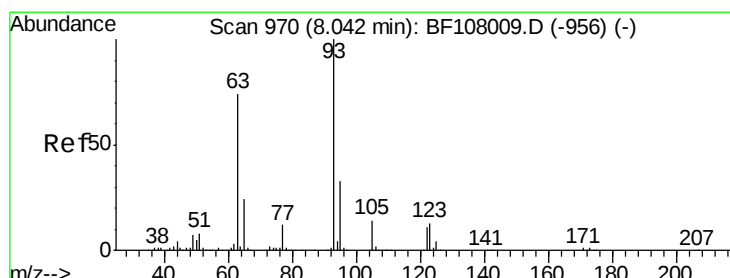
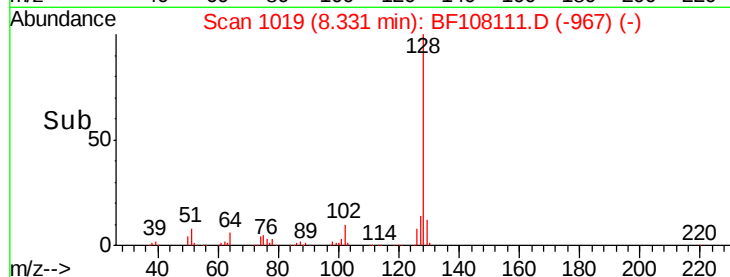
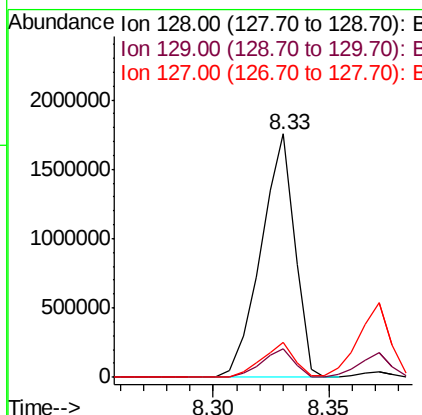
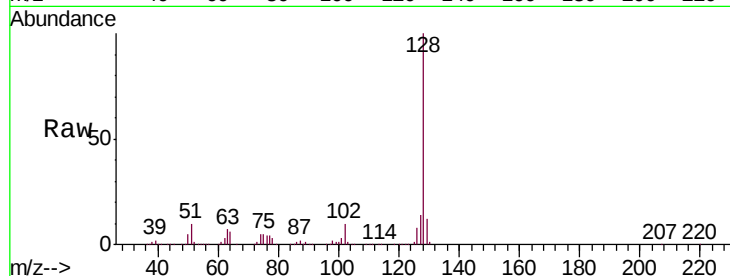
#31
Naphthalene
Concen: 48.528 ng
RT: 8.33 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.2	10.9	16.3

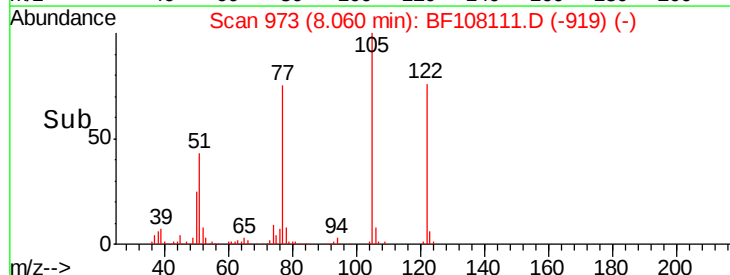
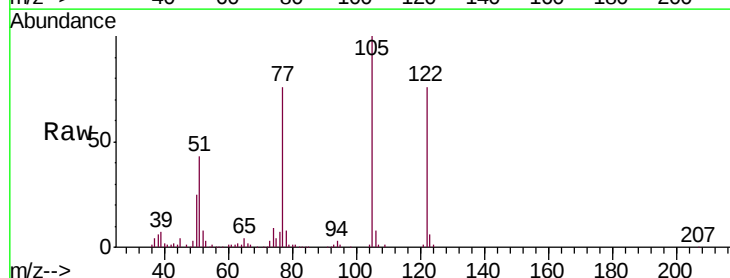
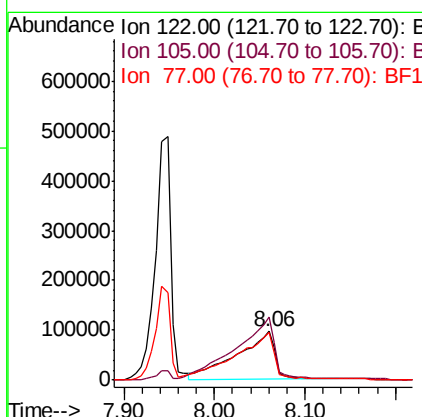
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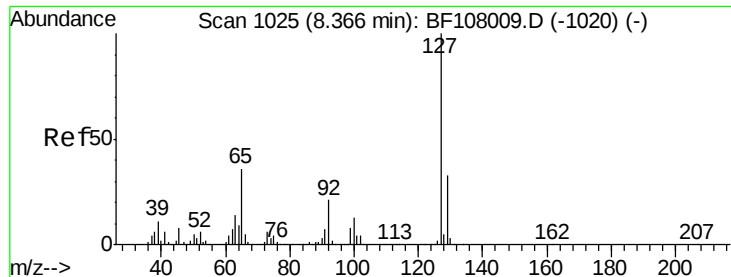
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#32
Benzoic acid
Concen: 40.981 ng
RT: 8.06 min Scan# 973
Delta R.T. 0.02 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.5	101.1	141.1
77	99.9	70.7	110.7





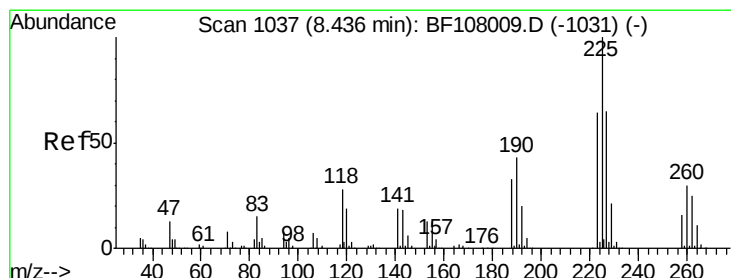
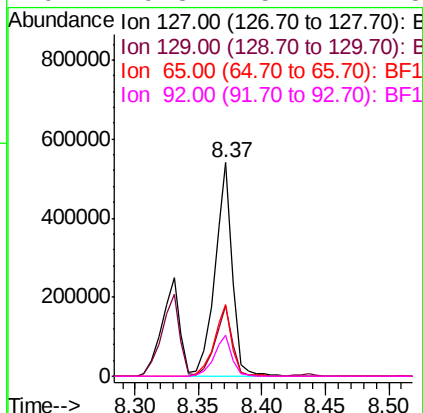
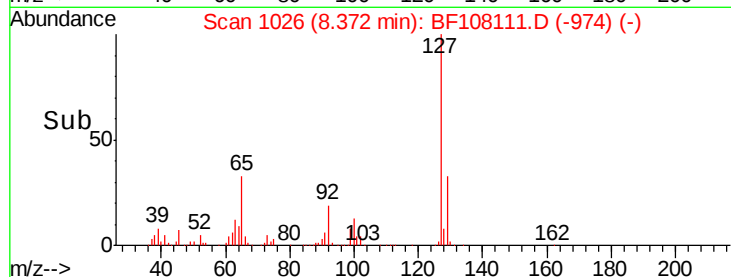
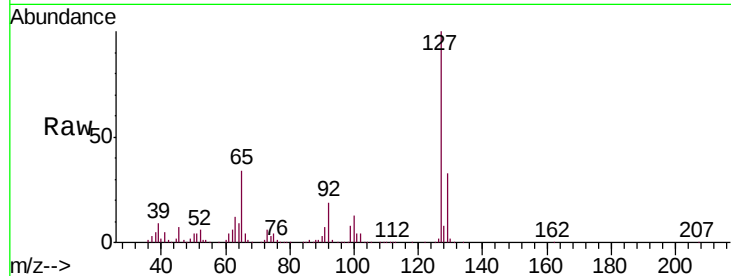
#33
4-Chloroaniline
Concen: 32.350 ng
RT: 8.37 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	518249		
129	33.2	25.9	38.9	
65	33.6	25.0	37.4	
92	19.3	15.2	22.8	

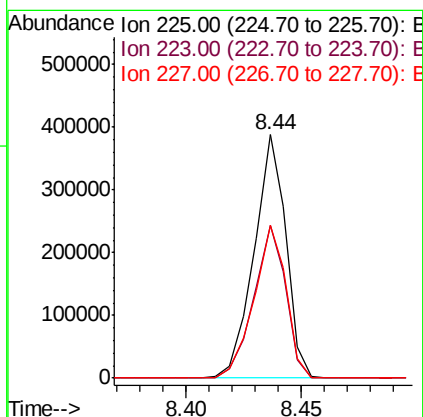
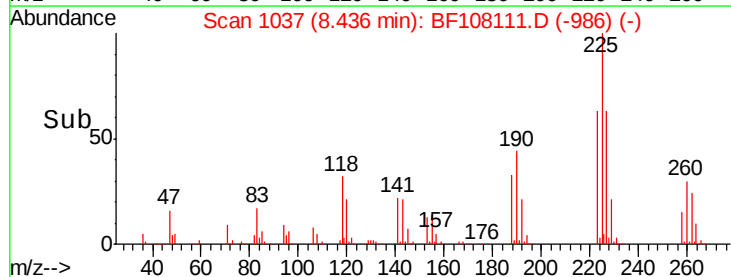
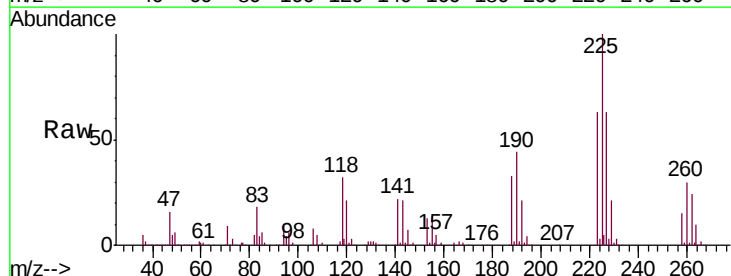
Manual Integrations
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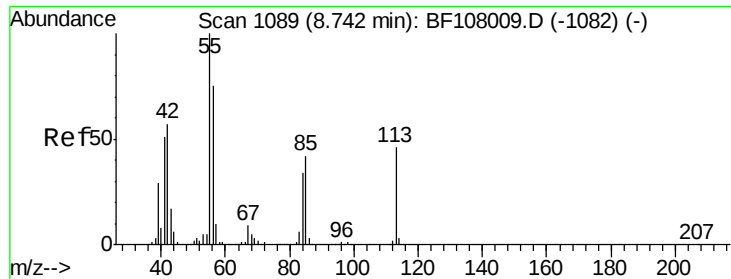
Sohil
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#34
Hexachlorobutadiene
Concen: 47.384 ng
RT: 8.44 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	372962		
223	62.7	50.6	76.0	
227	63.0	51.9	77.9	





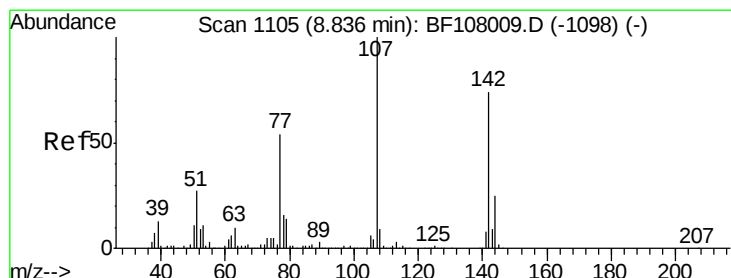
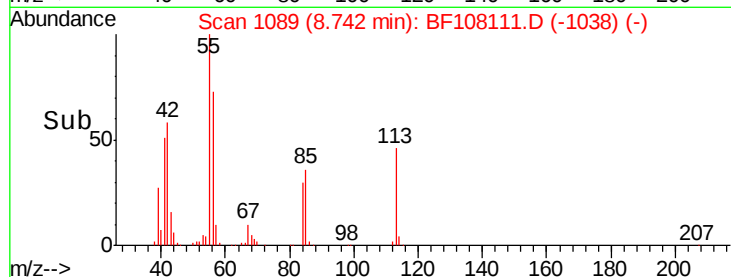
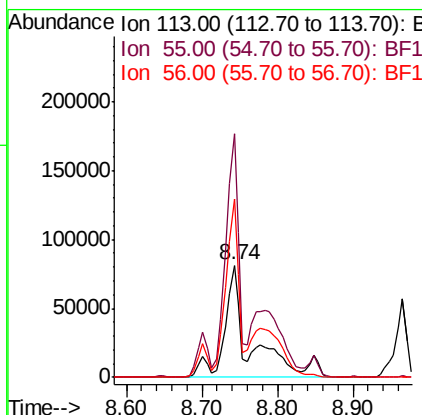
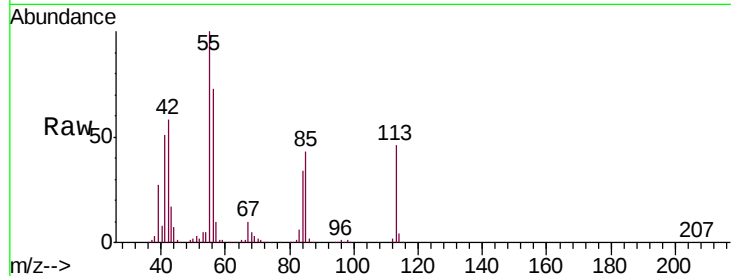
#35
 Caprolactam
 Concen: 54.595 ng m
 RT: 8.74 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleID :
 PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	217.0	163.3	203.3#	
56	158.7	115.7	155.7#	

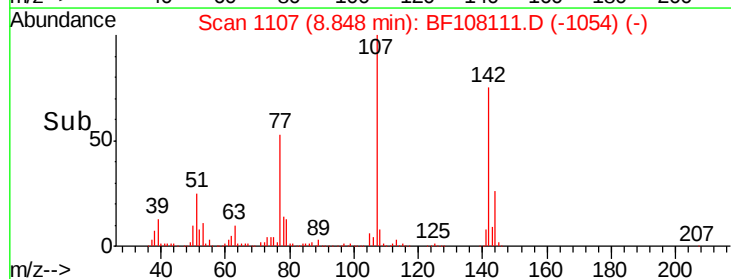
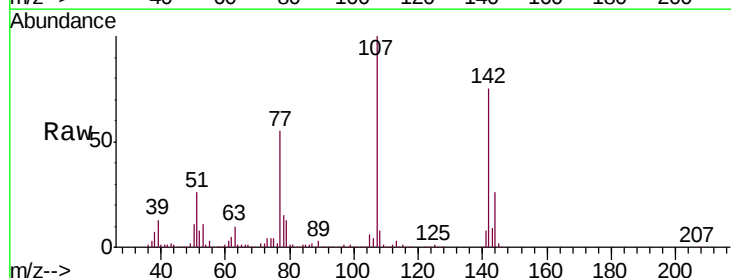
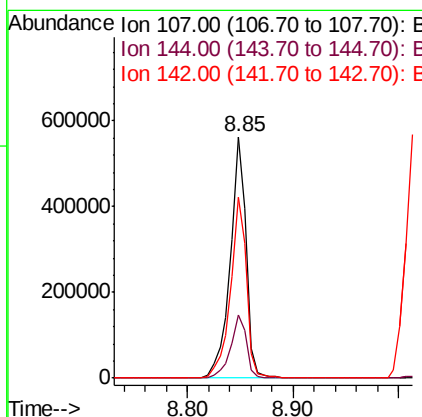
Manual Integrations
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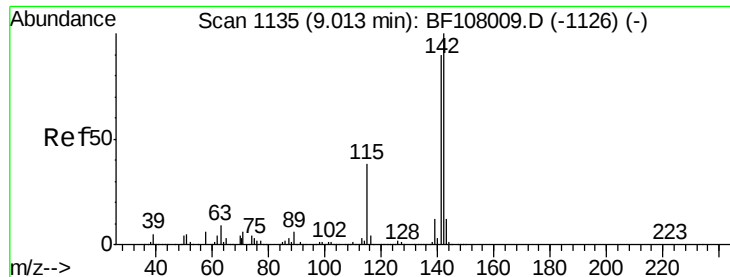
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#36
 4-Chloro-3-methylphenol
 Concen: 47.770 ng
 RT: 8.85 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	26.1	20.5	30.7	
142	75.1	62.0	93.0	





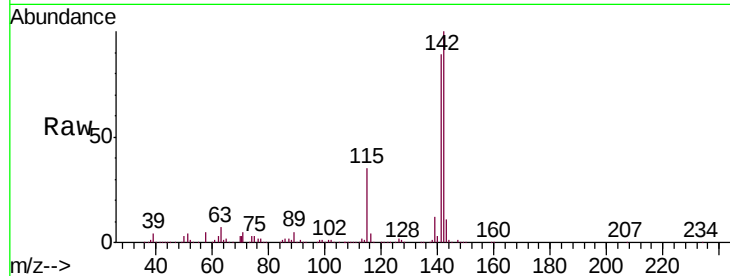
#37
2-Methylnaphthalene
Concen: 47.623 ng
RT: 9.02 min Scan# 1137
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2
115	35.2	26.1	39.1

Manual Integrations
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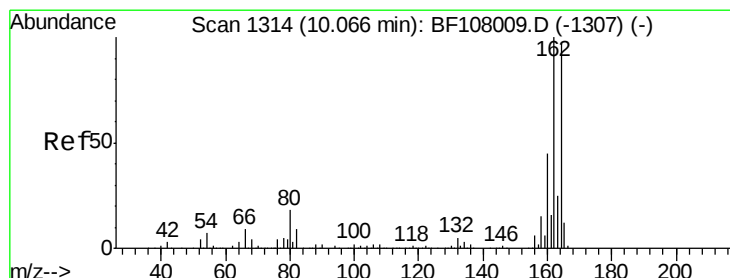
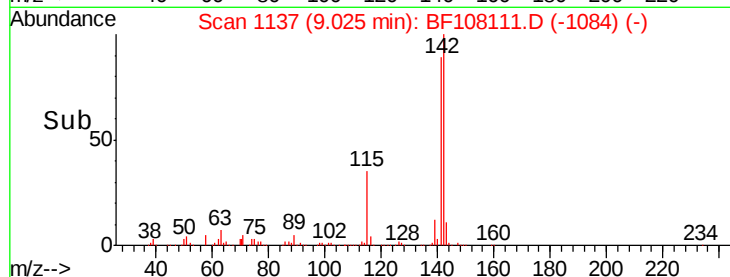
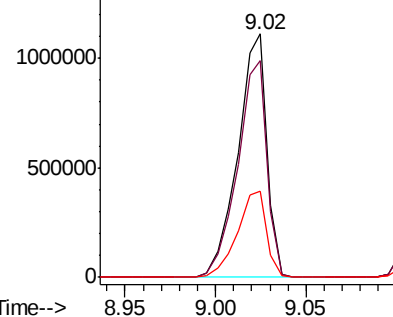


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.08 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

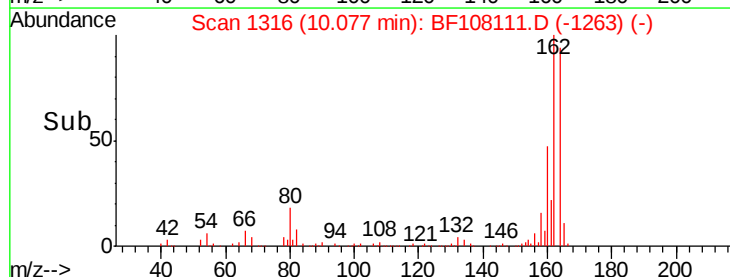
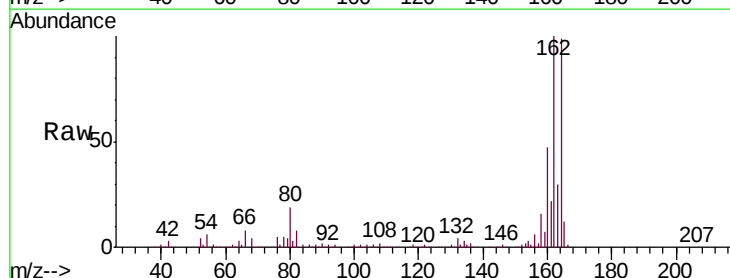
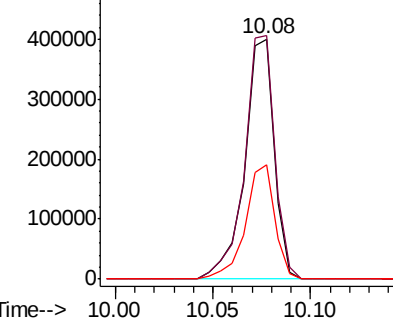
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	47.6	38.3	57.5

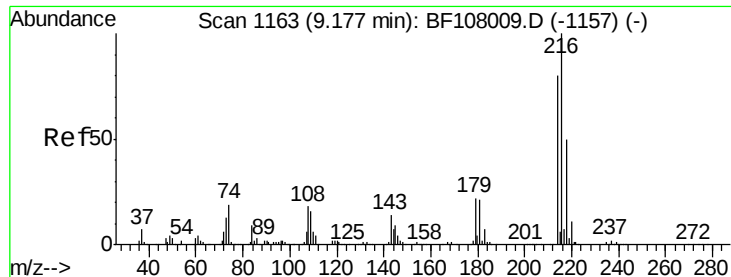
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





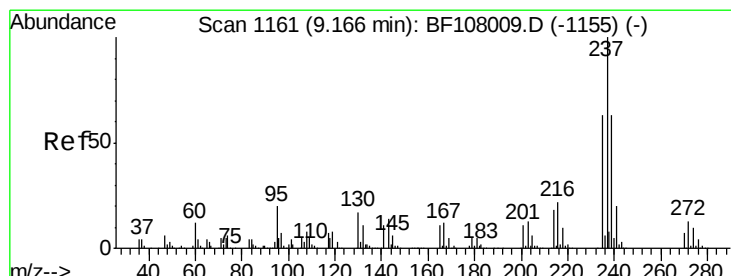
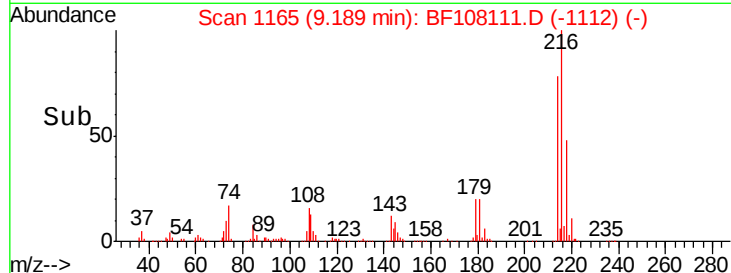
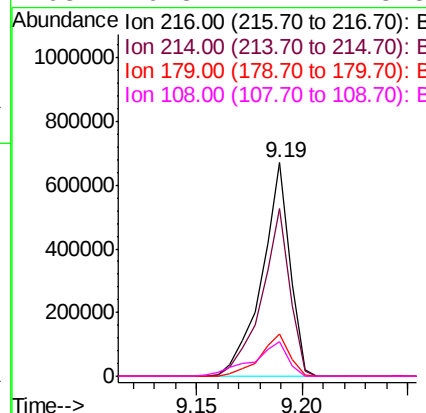
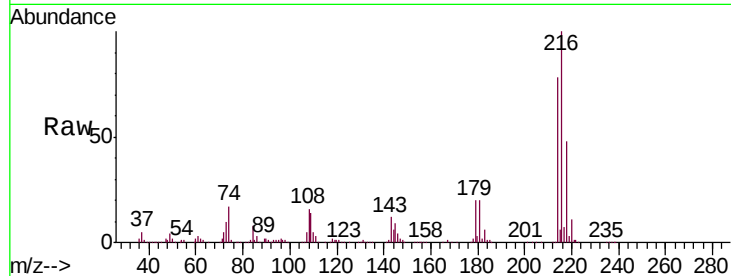
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.993 ng
 RT: 9.19 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
216	100		
214	78.5	63.0	94.4
179	20.6	18.1	27.1
108	20.3	17.2	25.8

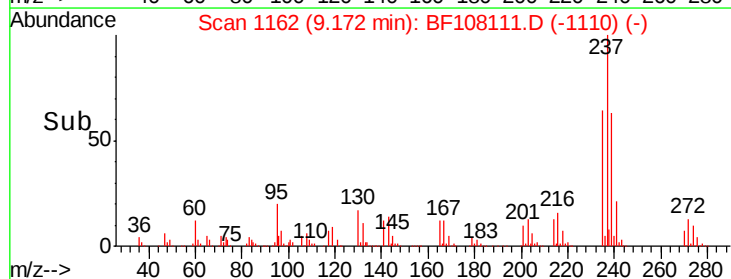
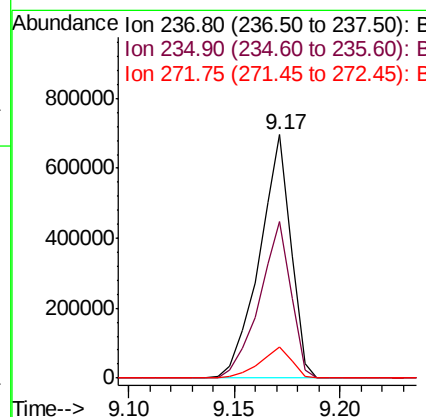
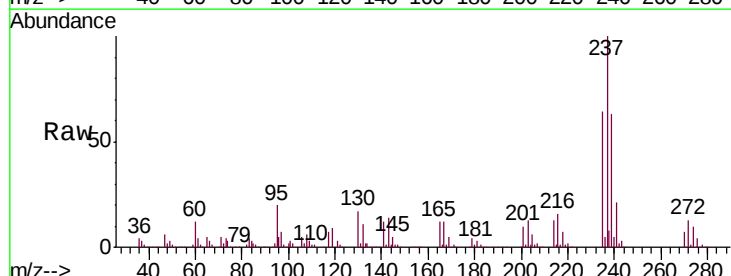
Manual Integrations
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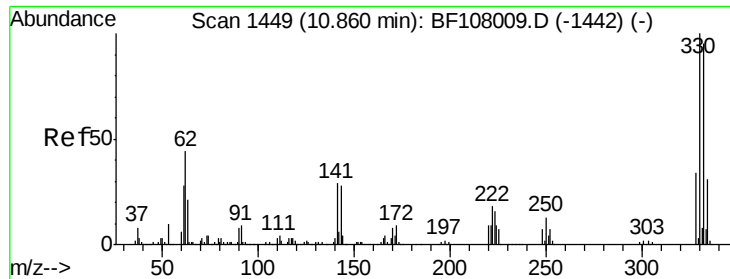
Sohil
 8/14/2018 2:36:22 PM



#40
 Hexachlorocyclopentadiene
 Concen: 86.100 ng
 RT: 9.17 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	64.1	44.8	84.8
272	12.8	0.0	33.3





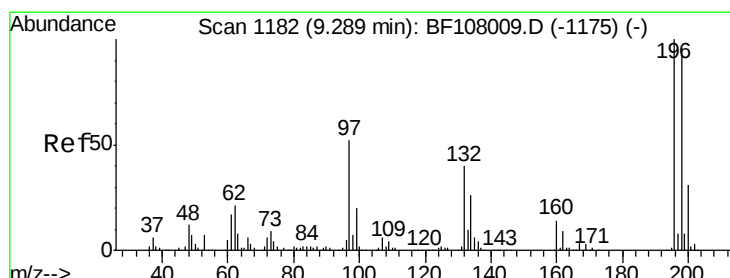
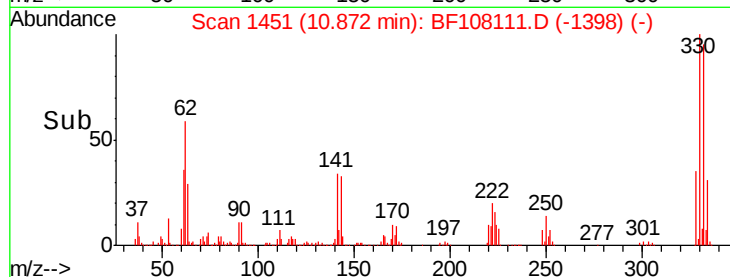
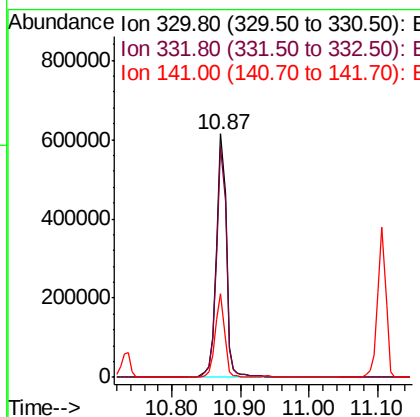
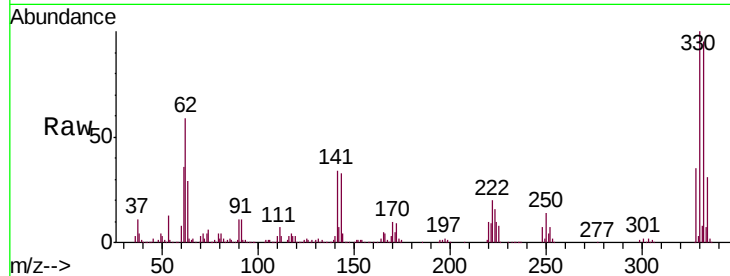
#41
 2,4,6-Tribromophenol
 Concen: 145.017 ng
 RT: 10.87 min Scan# 1451
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	607960		
332	94.7	77.0	115.6	
141	32.6	29.9	44.9	

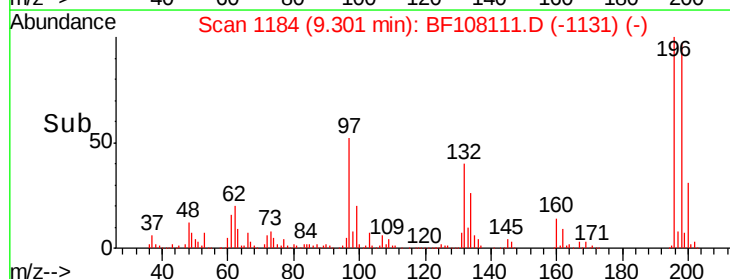
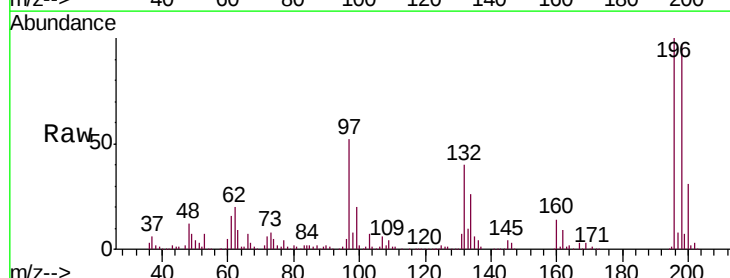
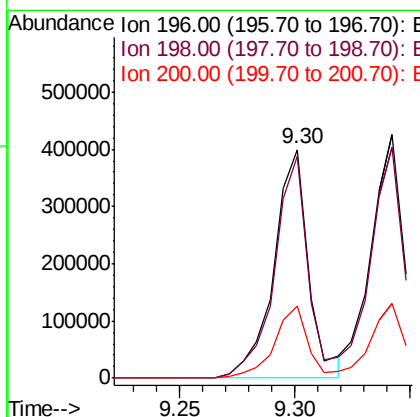
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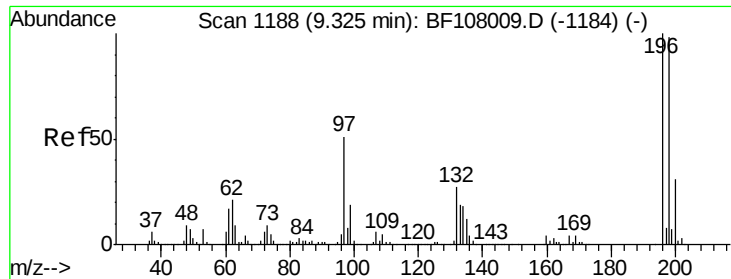
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#42
 2,4,6-Trichlorophenol
 Concen: 51.798 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	414868		
198	97.3	75.7	113.5	
200	31.4	24.5	36.7	





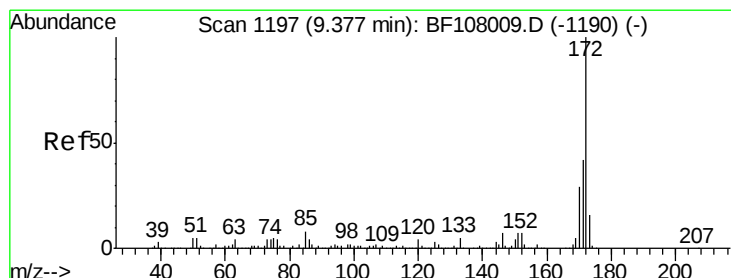
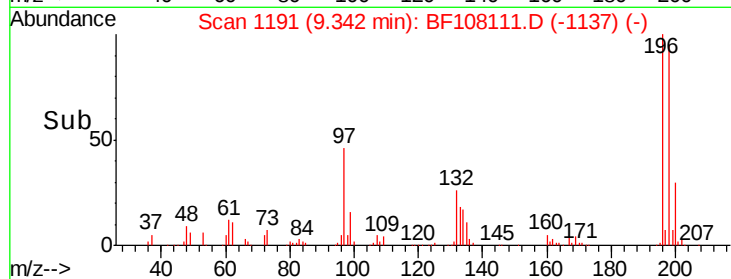
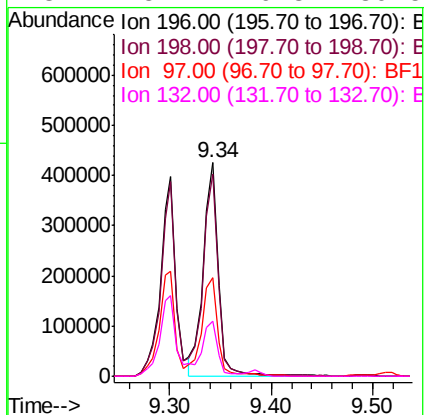
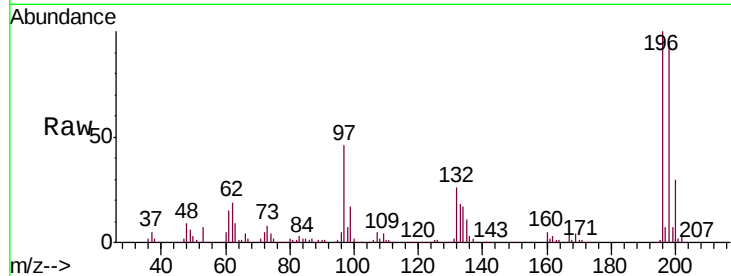
#43
 2,4,5-Trichlorophenol
 Concen: 49.475 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. 0.02 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	436211		
198	95.0	74.6	112.0	
97	46.0	42.9	64.3	
132	25.7	26.3	39.5	

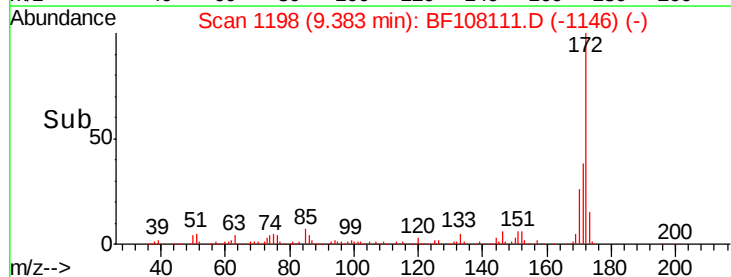
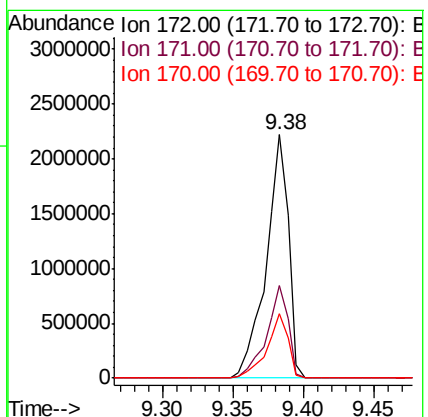
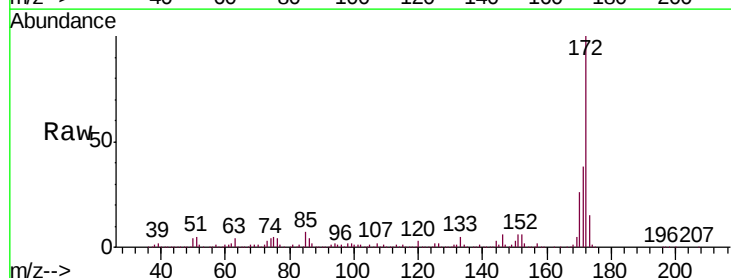
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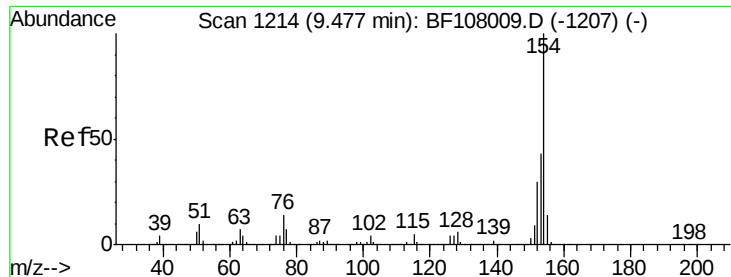
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 93.897 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2458142		
171	38.1	29.7	44.5	
170	26.4	19.6	29.4	





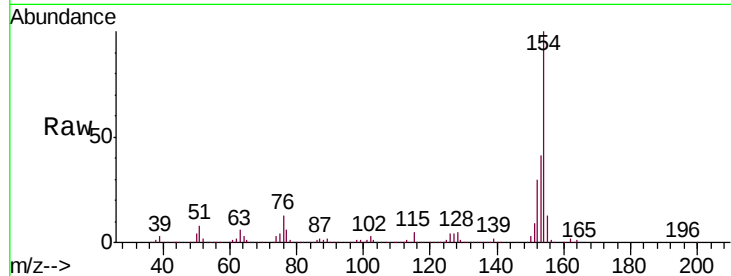
#45
 1,1'-Biphenyl
 Concen: 48.006 ng
 RT: 9.49 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.3	61.3
76	12.7	0.0	34.0

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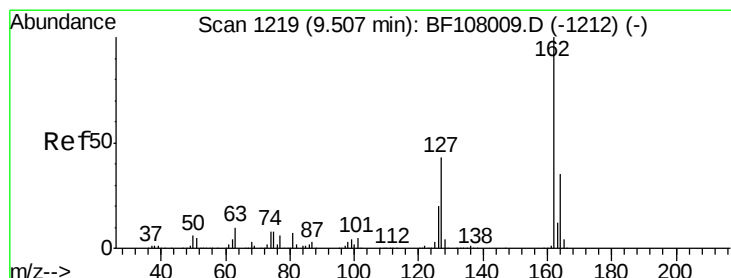
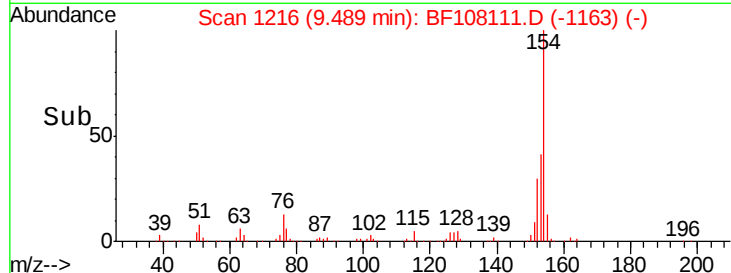
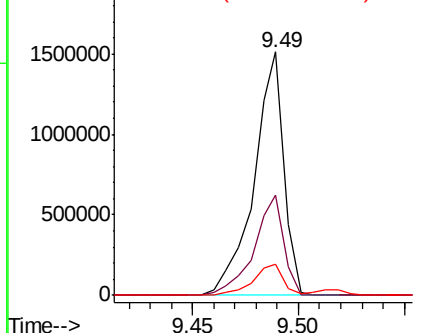


Abundance

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: 48.007 ng
 RT: 9.52 min Scan# 1221
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

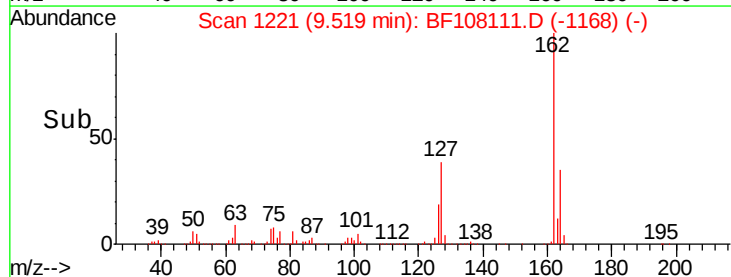
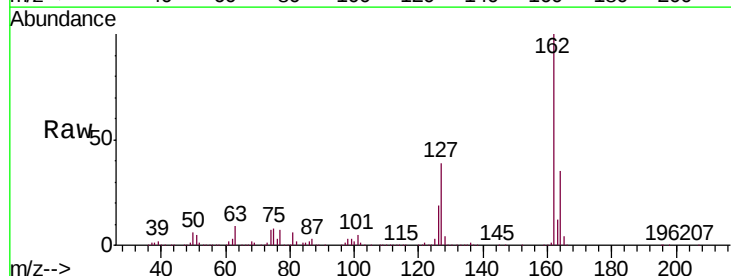
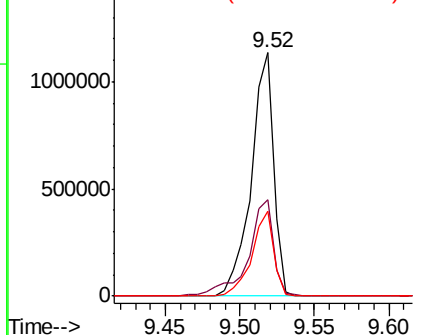
Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.3	33.9	50.9
164	34.6	26.5	39.7

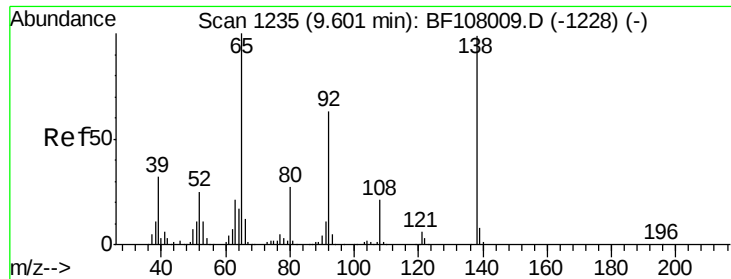
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





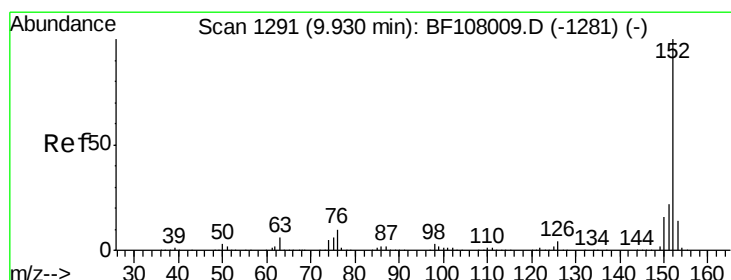
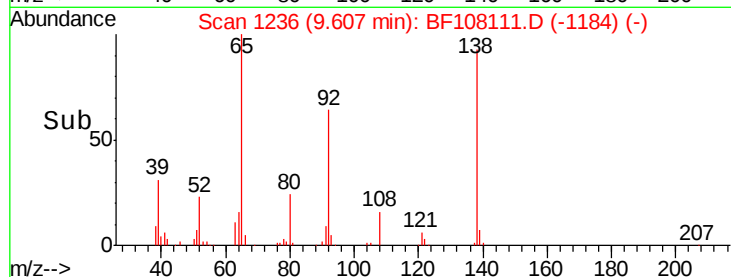
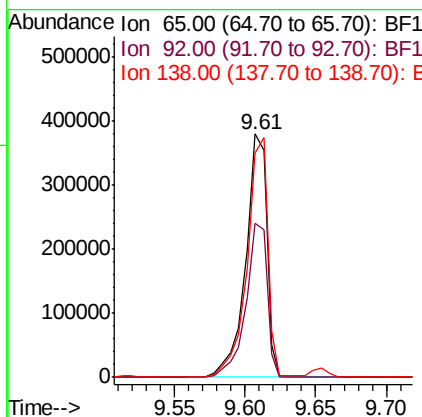
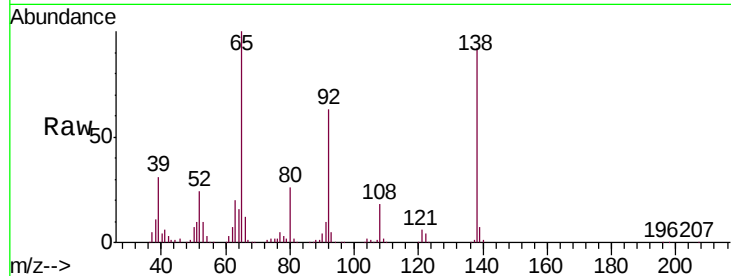
#47
2-Nitroaniline
Concen: 50.435 ng
RT: 9.61 min Scan# 1236
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	399683		
92	63.3	55.8	83.6	
138	92.1	91.2	136.8	

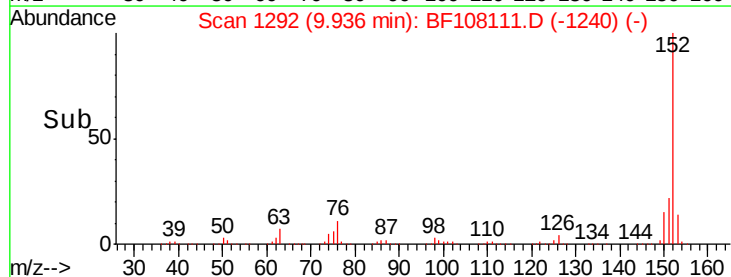
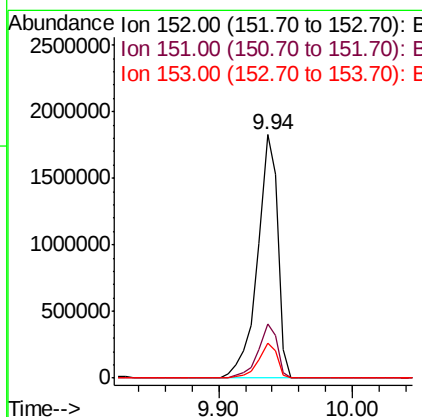
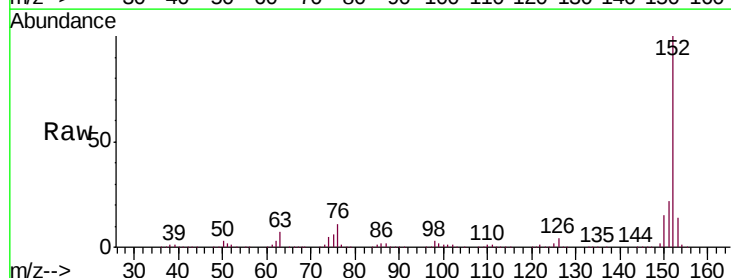
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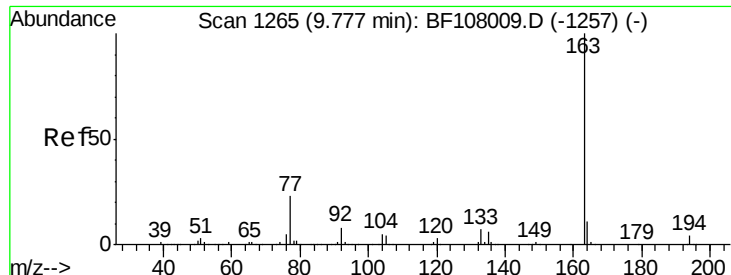
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#48
Acenaphthylene
Concen: 48.535 ng
RT: 9.94 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1879287		
151	22.1	16.3	24.5	
153	14.4	10.7	16.1	





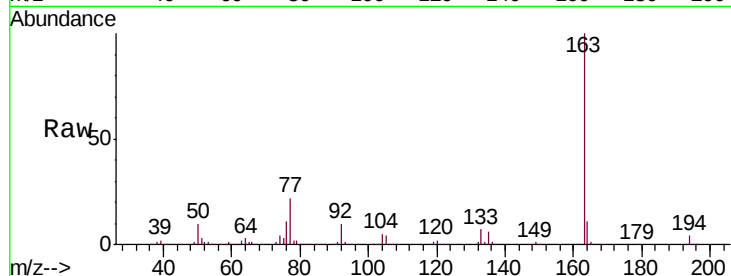
#49
Dimethylphthalate
Concen: 48.395 ng
RT: 9.78 min Scan# 1266
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

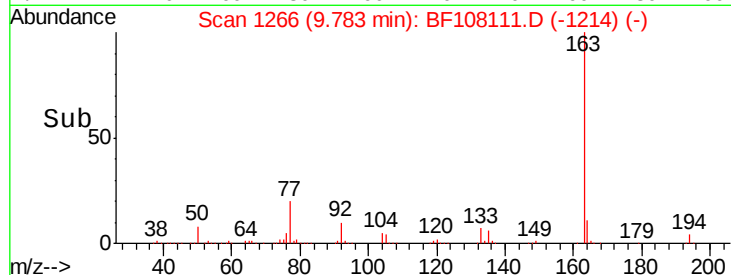
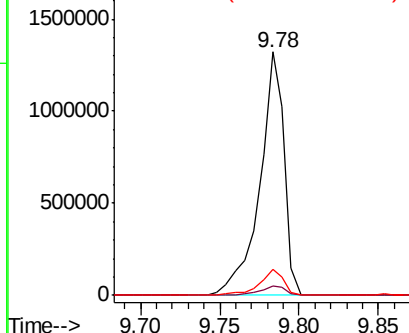
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.7	8.2	12.2

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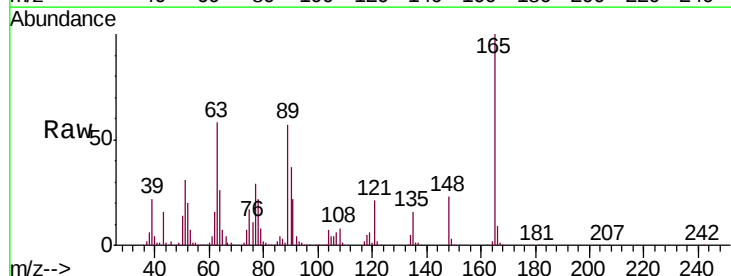
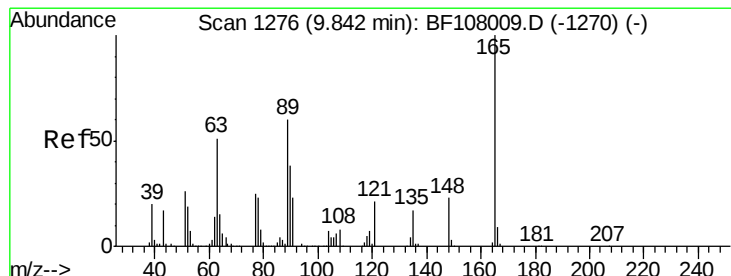
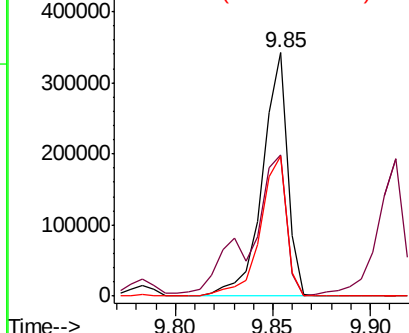
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

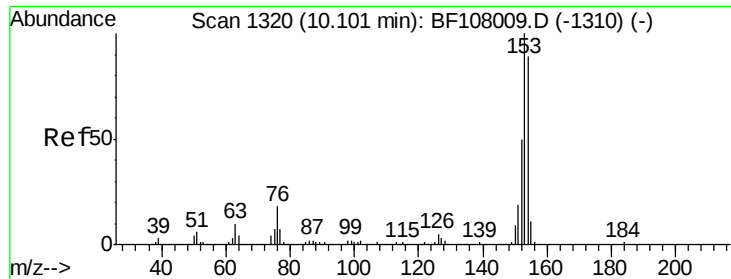


#50
2,6-Dinitrotoluene
Concen: 49.942 ng
RT: 9.85 min Scan# 1278
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	57.9	44.7	67.1
89	57.4	44.0	66.0

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 52.074 ng

RT: 10.11 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :

BNA_F

ClientSampleId :

PB111971BS

Tgt Ion:154 Resp: 1234972

Ion Ratio Lower Upper

154 100

153 111.0 91.2 136.8

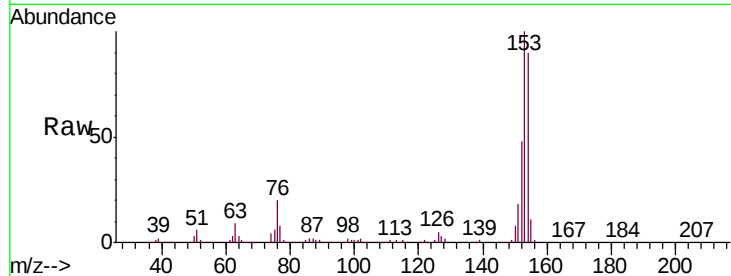
152 53.5 43.8 65.8

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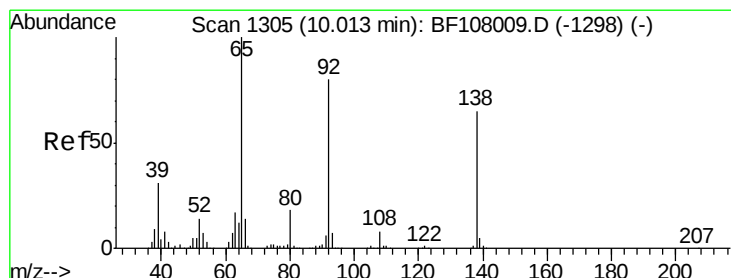
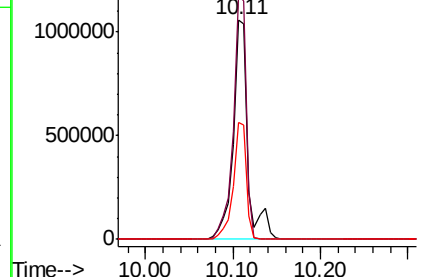
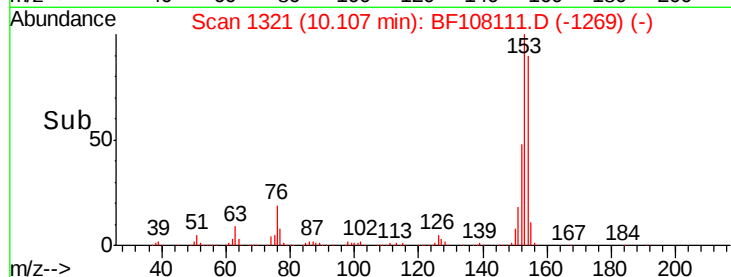
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 38.657 ng

RT: 10.02 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

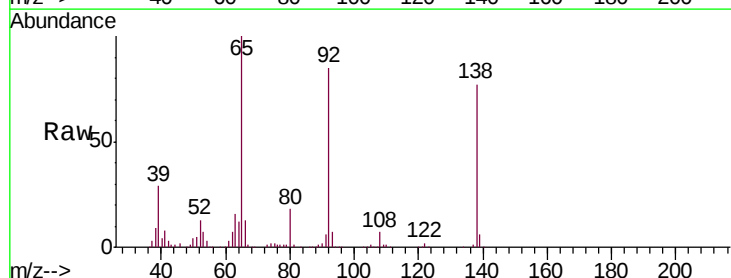
Tgt Ion:138 Resp: 259076

Ion Ratio Lower Upper

138 100

108 9.7 9.4 14.0

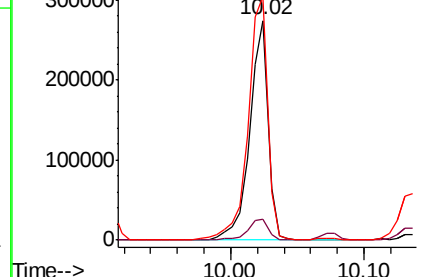
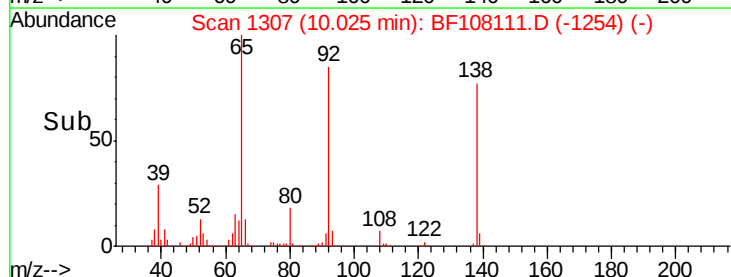
92 110.8 89.4 134.2

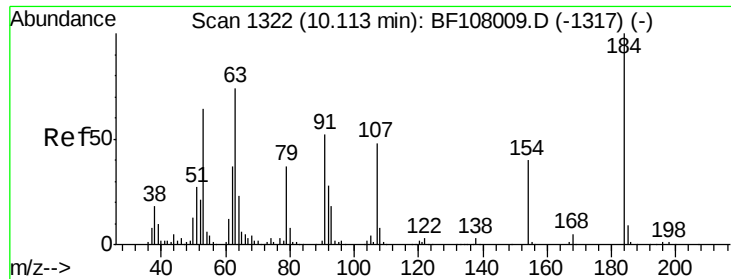


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





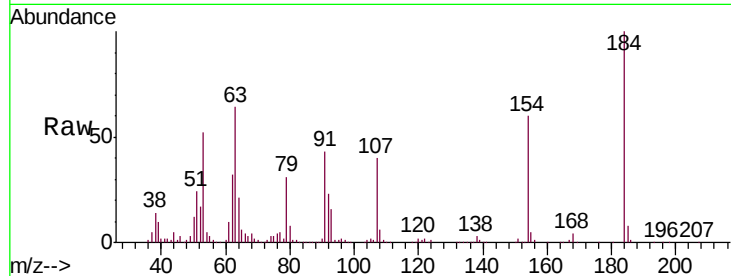
#53
2,4-Dinitrophenol
Concen: 96.497 ng
RT: 10.14 min Scan# 1326
Delta R.T. 0.02 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

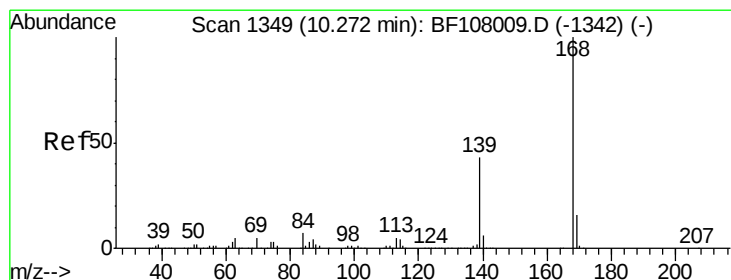
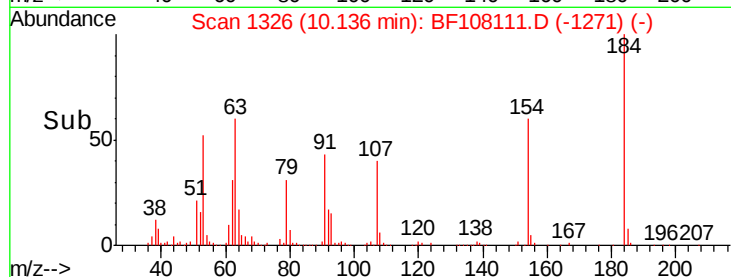
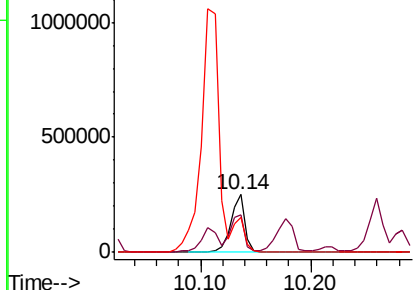
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	224845		
63	64.1	54.2	81.2	
154	60.1	184.0	276.0	

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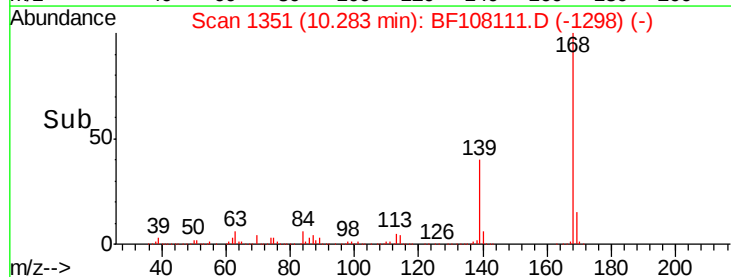
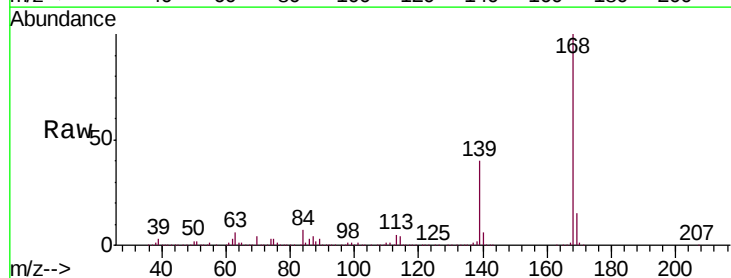
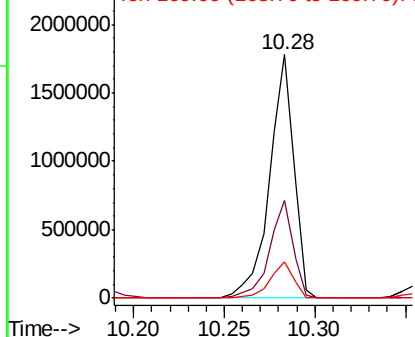
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

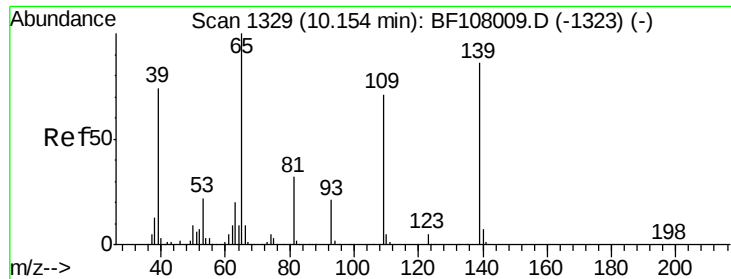


#54
Dibenzofuran
Concen: 47.965 ng
RT: 10.28 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1648051		
139	40.4	30.1	45.1	
169	15.1	10.9	16.3	

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





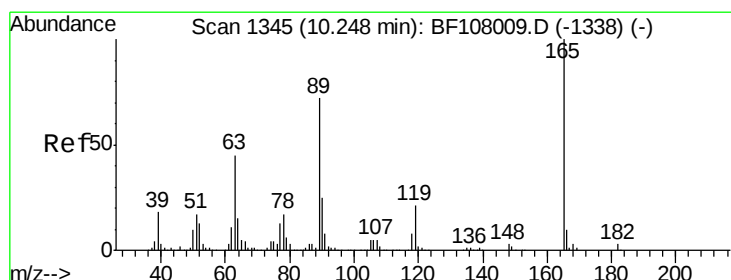
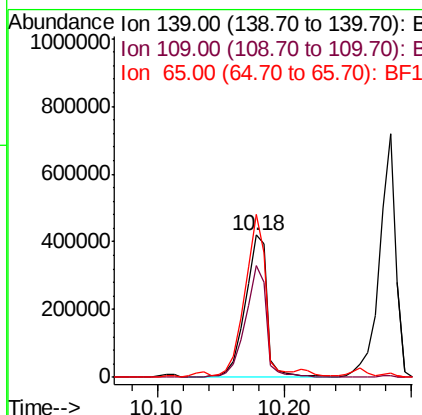
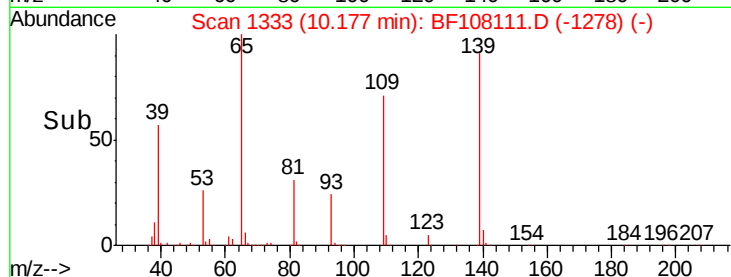
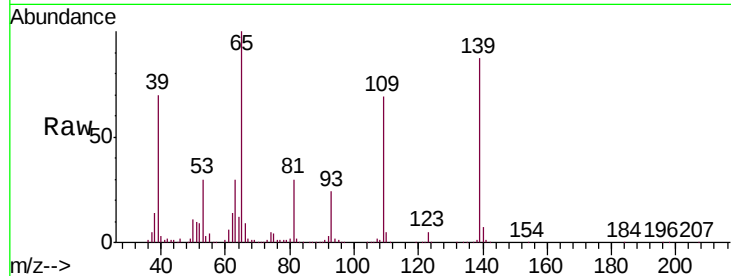
#55
4-Nitrophenol
Concen: 97.949 ng
RT: 10.18 min Scan# 1333
Delta R.T. 0.02 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	497095		
109	78.7	48.4	88.4	
65	114.9	72.6	112.6	

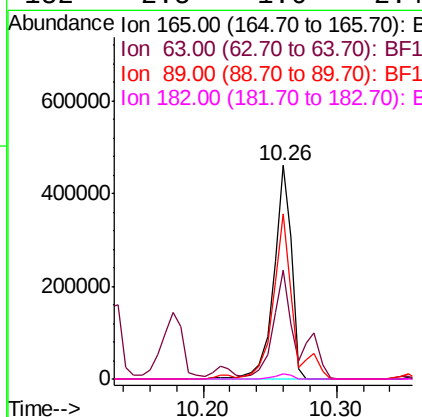
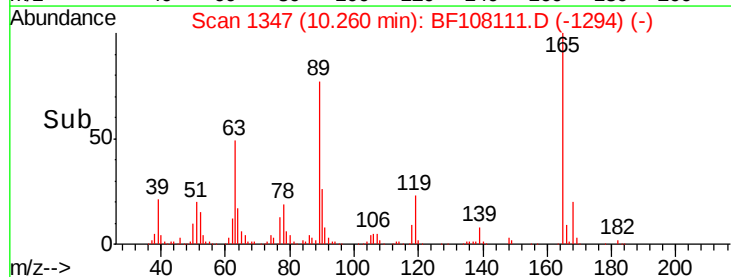
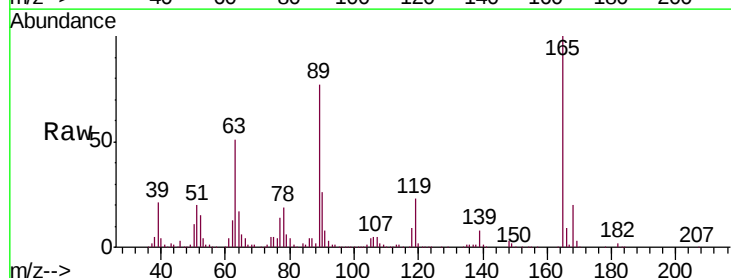
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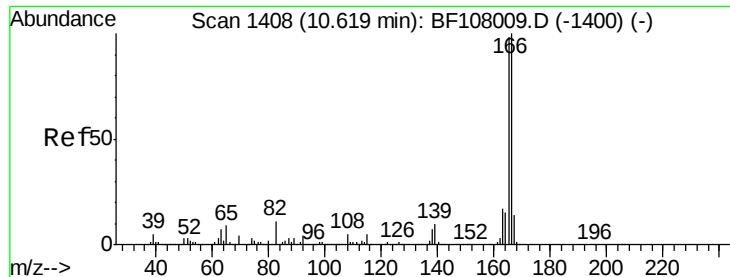
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#56
2,4-Dinitrotoluene
Concen: 53.580 ng
RT: 10.26 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	422454		
63	50.8	36.4	54.6	
89	77.3	57.8	86.6	
182	2.5	1.6	2.4	





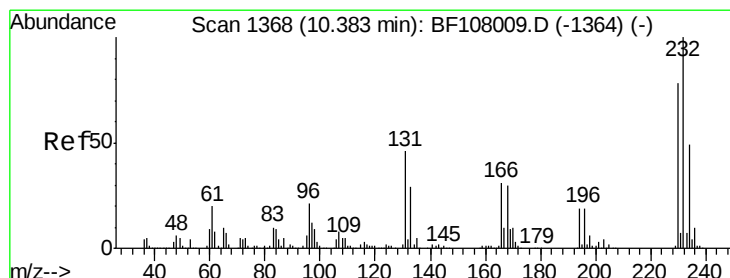
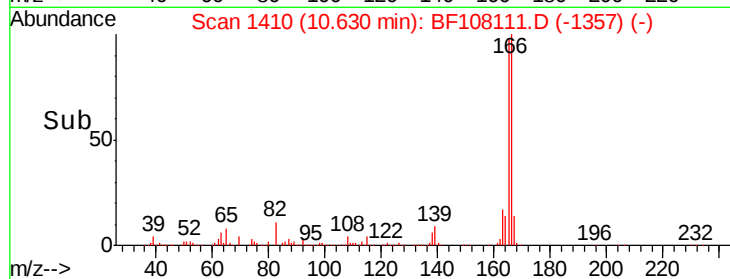
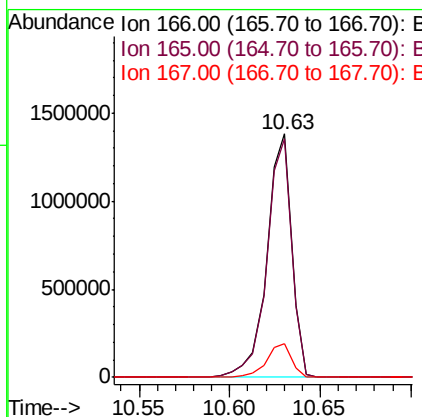
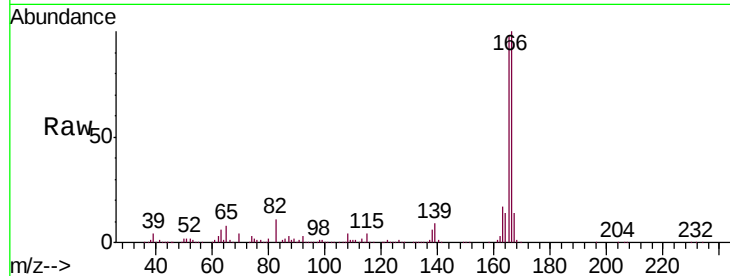
#57
Fluorene
 Concen: 48.258 ng
 RT: 10.63 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	13.7	10.6	16.0

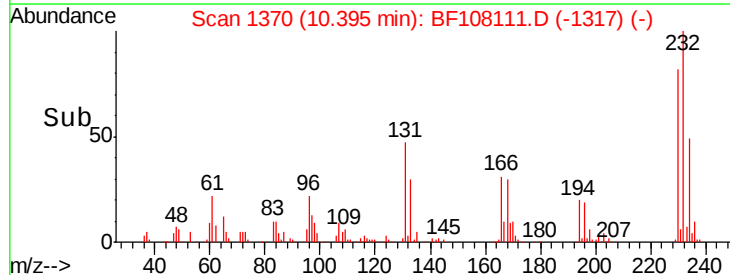
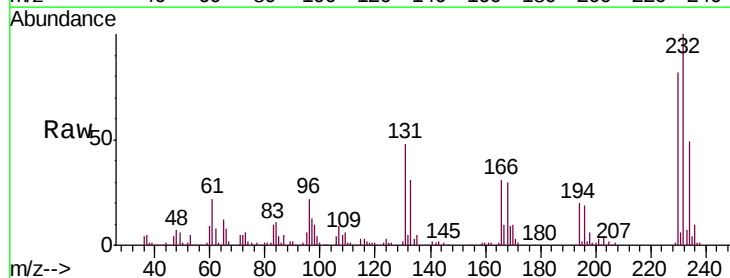
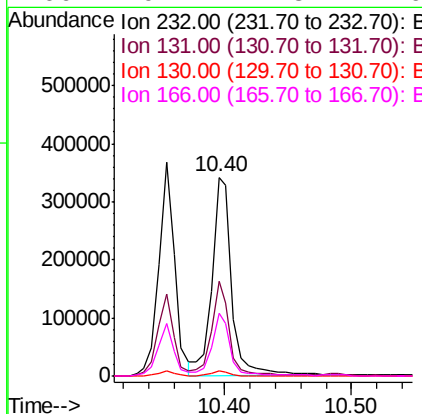
Manual Integrations
 APPROVED

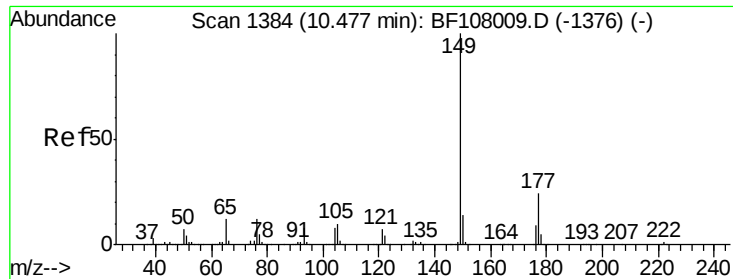
Sohil
 8/14/2018 2:36:22 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 50.882 ng
 RT: 10.40 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
232	100		
131	42.6	43.8	65.8#
130	2.2	2.1	3.1
166	29.2	27.8	41.6





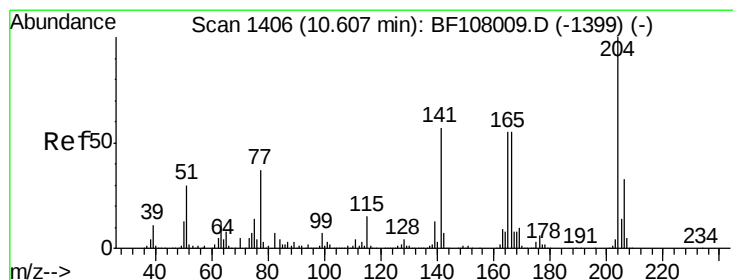
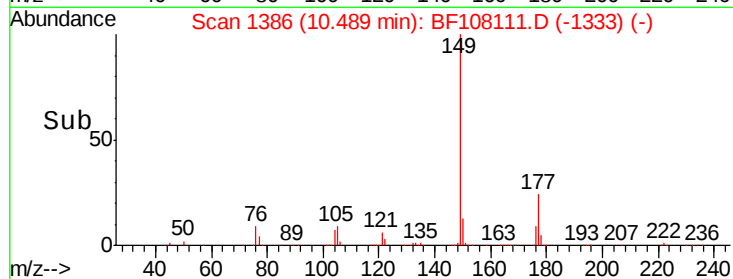
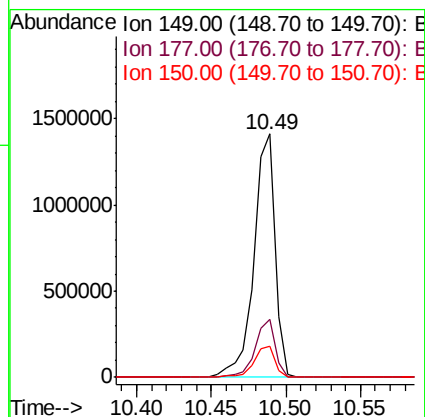
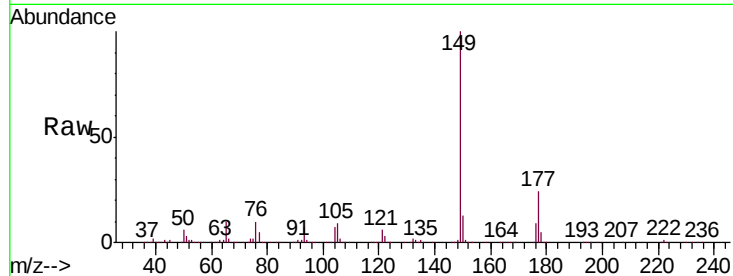
#59
Diethylphthalate
Concen: 48.405 ng
RT: 10.49 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion:149 Resp: 1372277
Ion Ratio Lower Upper
149 100
177 24.0 16.1 24.1
150 12.6 10.1 15.1

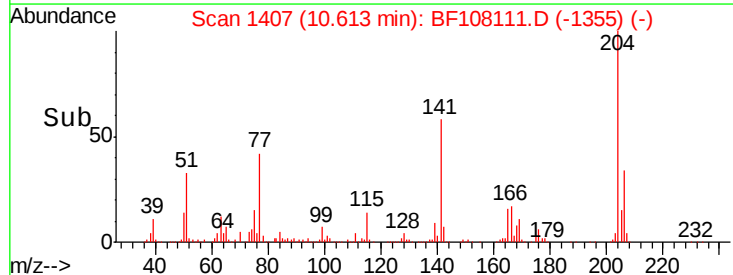
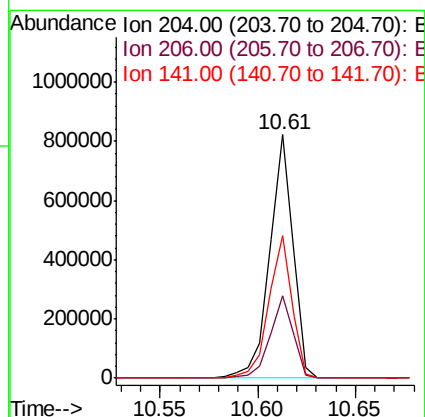
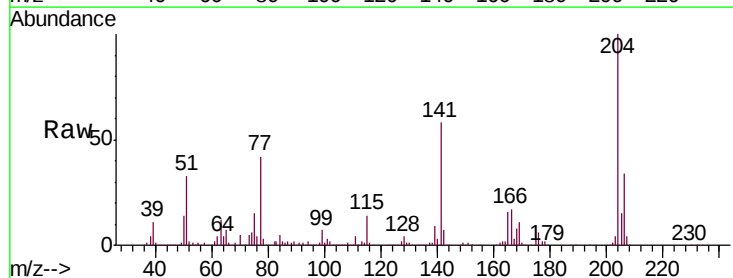
Manual Integrations
APPROVED

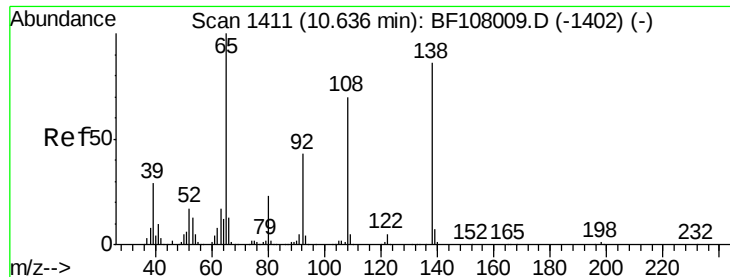
Sohil
8/14/2018 2:36:22 PM



#60
4-Chlorophenyl-phenylether
Concen: 47.822 ng
RT: 10.61 min Scan# 1407
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion:204 Resp: 677774
Ion Ratio Lower Upper
204 100
206 34.0 26.5 39.7
141 58.3 54.6 81.8





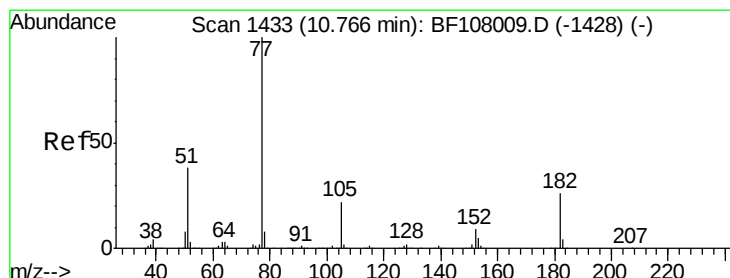
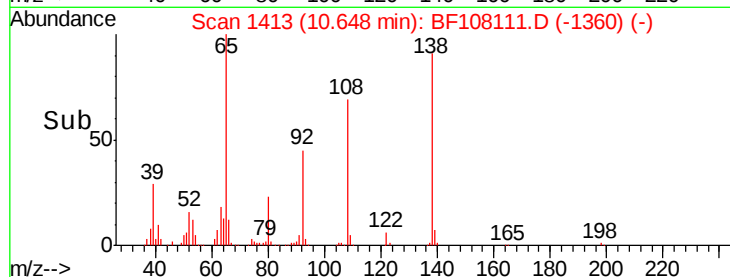
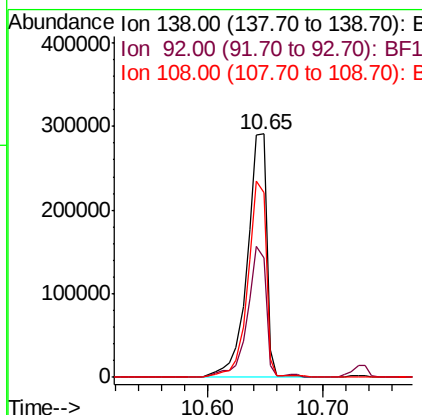
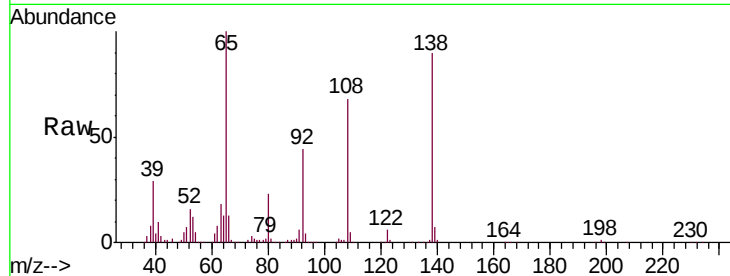
#61
4-Nitroaniline
Concen: 51.260 ng
RT: 10.65 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	339650		
92	49.2	30.2	70.2	
108	75.7	52.5	92.5	

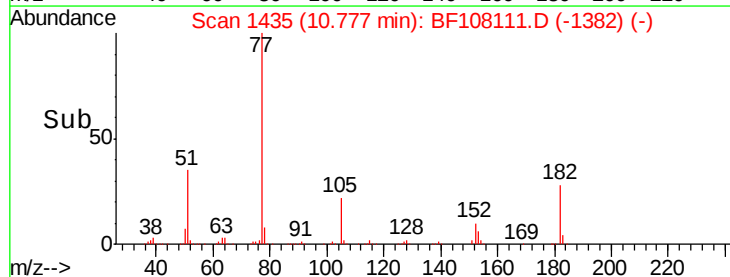
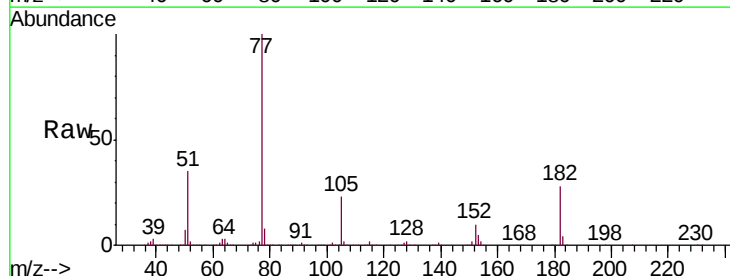
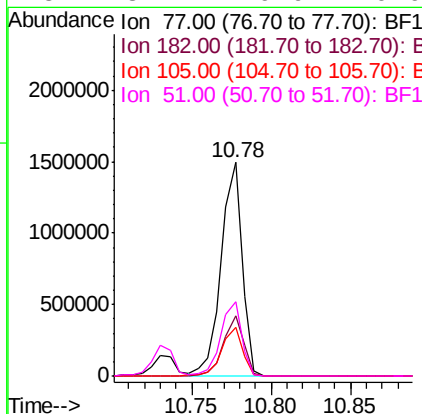
Manual Integrations
APPROVED

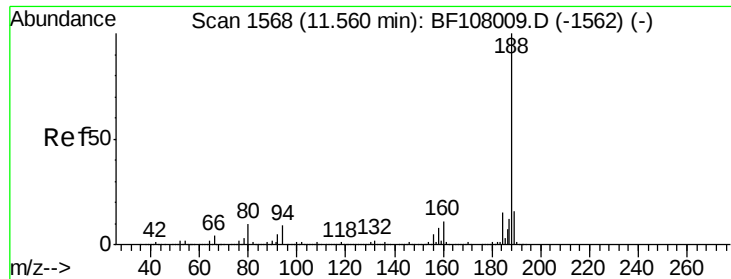
Sohil
8/14/2018 2:36:22 PM



#62
Azobenzene
Concen: 46.947 ng
RT: 10.78 min Scan# 1435
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1374495		
182	28.0	1.7	41.7	
105	22.5	3.0	43.0	
51	34.7	9.9	49.9	





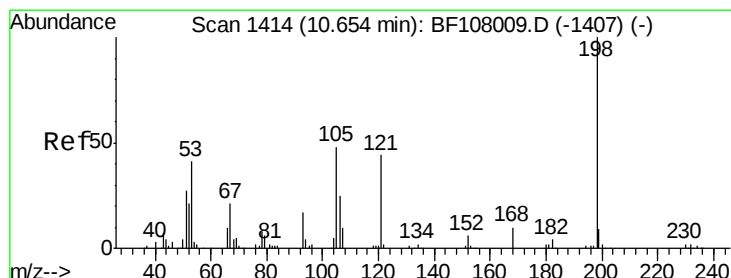
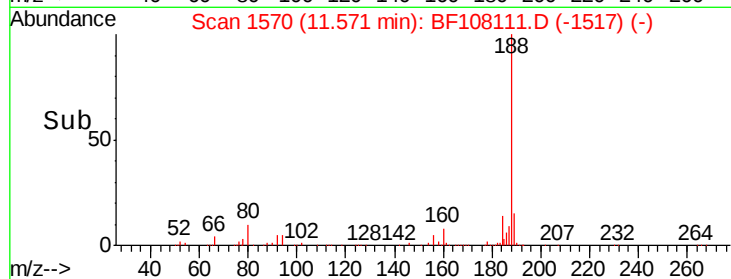
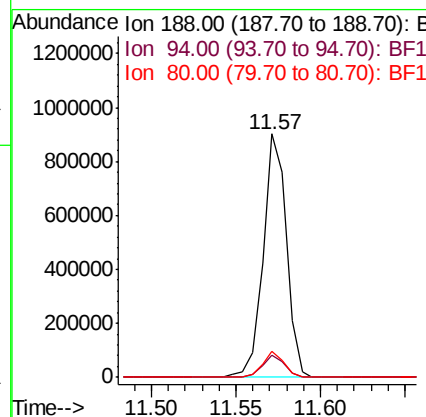
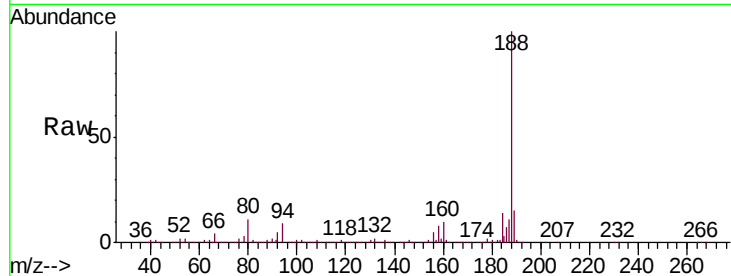
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	864717		
94	9.4	8.5	12.7	
80	10.5	9.2	13.8	

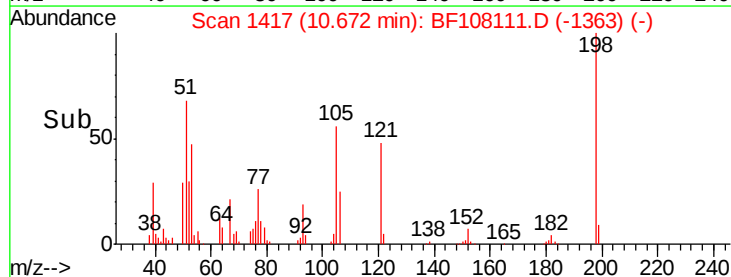
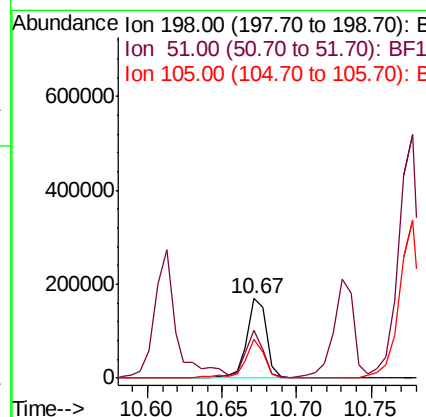
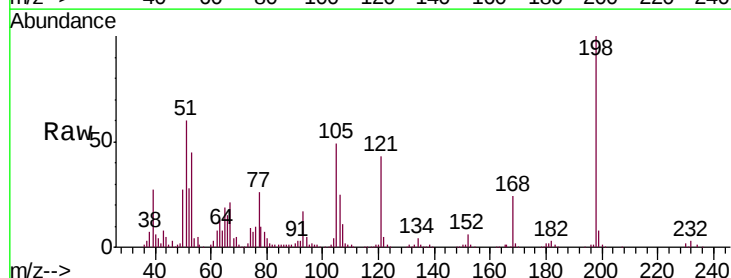
Manual Integrations
APPROVED

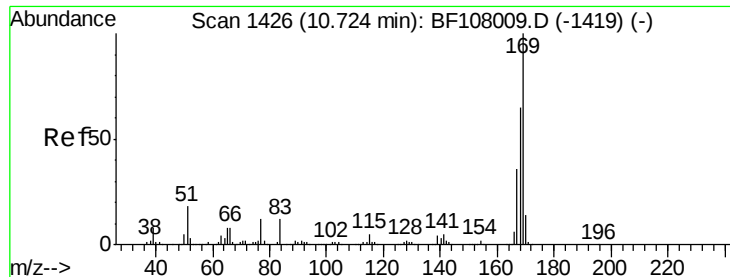
Sohil
8/14/2018 2:36:22 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 47.972 ng
RT: 10.67 min Scan# 1417
Delta R.T. 0.02 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	155727		
51	59.8	37.7	77.7	
105	48.7	36.3	76.3	





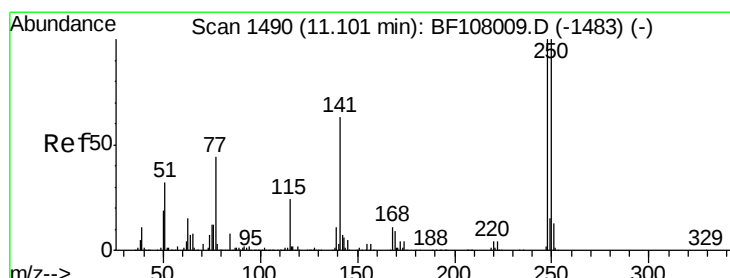
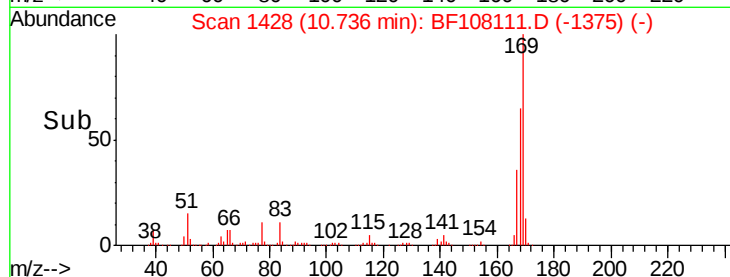
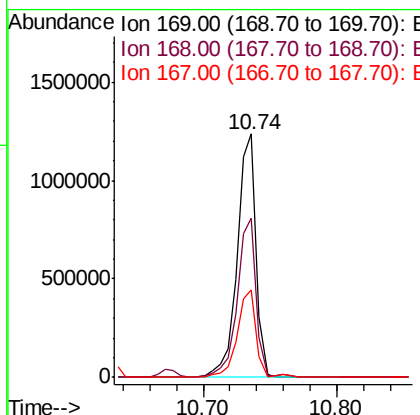
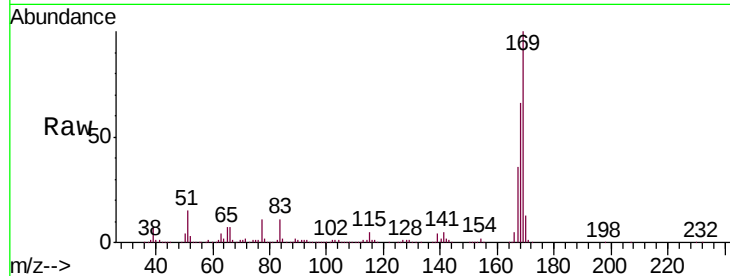
#65
n-Nitrosodiphenylamine
Concen: 47.539 ng
RT: 10.74 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.6	54.4	81.6
167	35.9	29.8	44.6

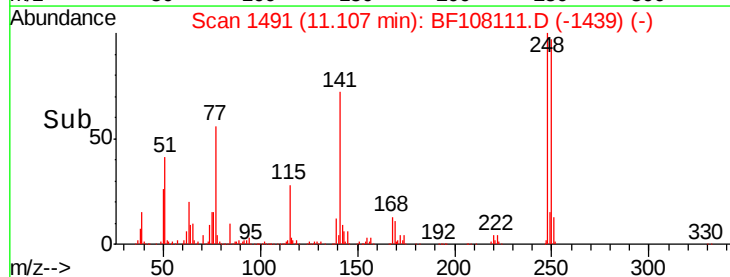
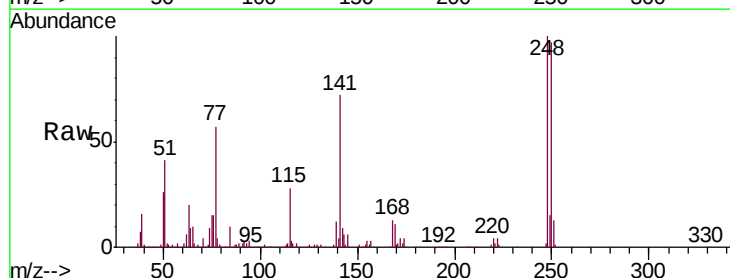
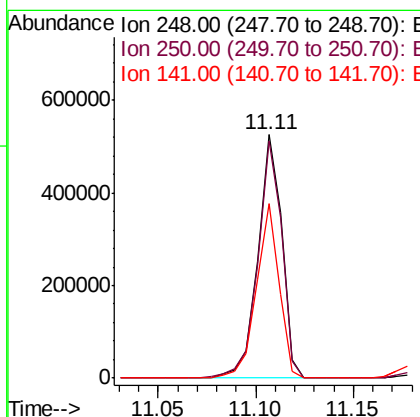
Manual Integrations
APPROVED

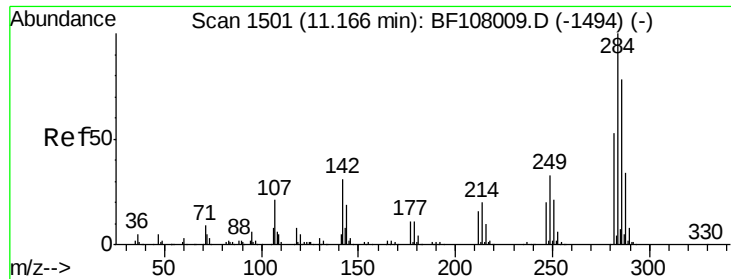
Sohil
8/14/2018 2:36:22 PM



#66
4-Bromophenyl-phenylether
Concen: 47.517 ng
RT: 11.11 min Scan# 1491
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.9	115.3
141	71.9	74.4	111.6#





#67

Hexachlorobenzene

Concen: 47.078 ng

RT: 11.18 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :

BNA_F

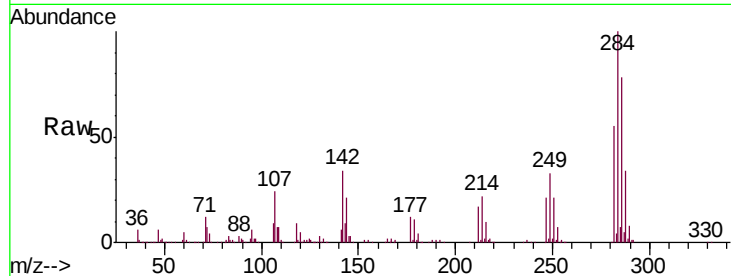
ClientSampleId :

PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	465477		
142	34.1	34.6	52.0	
249	33.4	24.8	37.2	

Manual Integrations
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Sohil
8/14/2018 2:36:22 PM

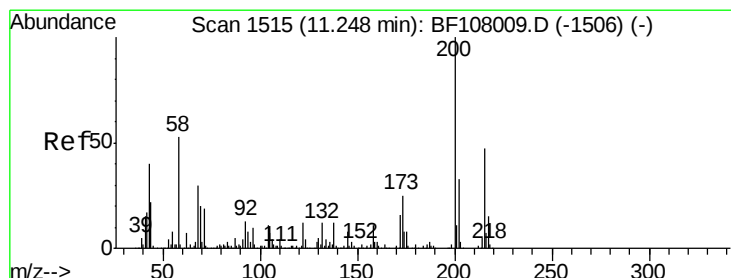
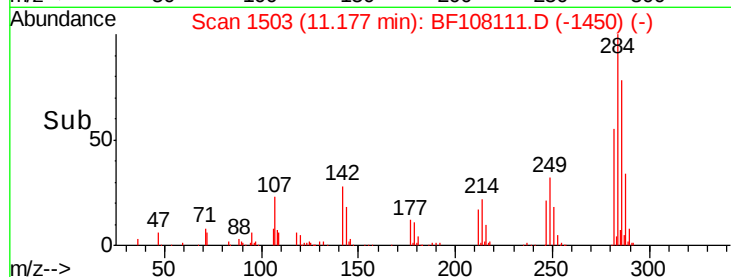
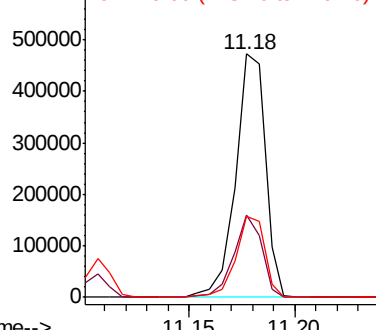


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 49.260 ng

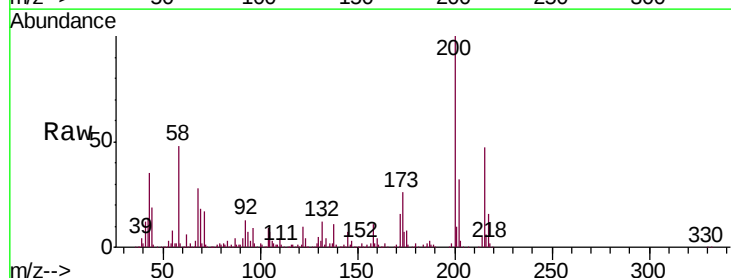
RT: 11.26 min Scan# 1517

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	422193		
173	26.5	8.6	48.6	
215	47.4	25.1	65.1	

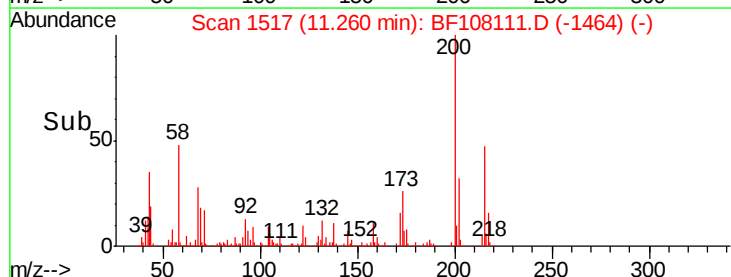
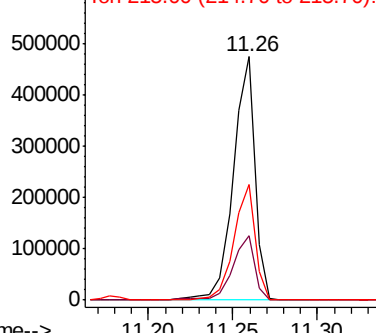


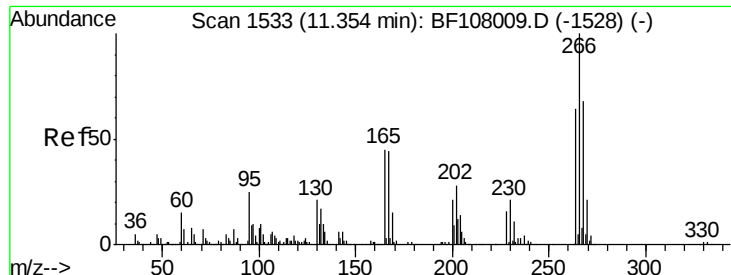
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





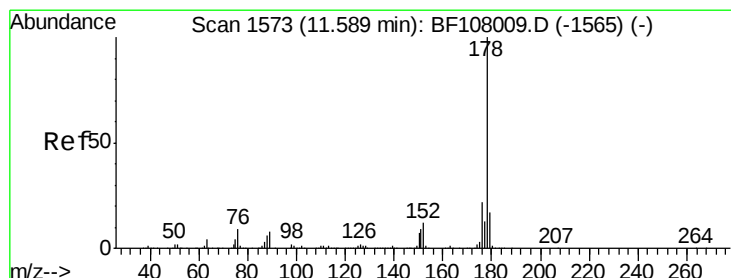
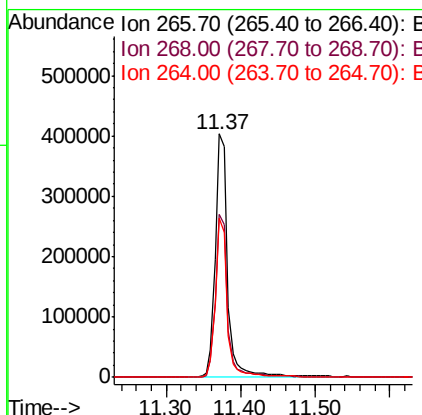
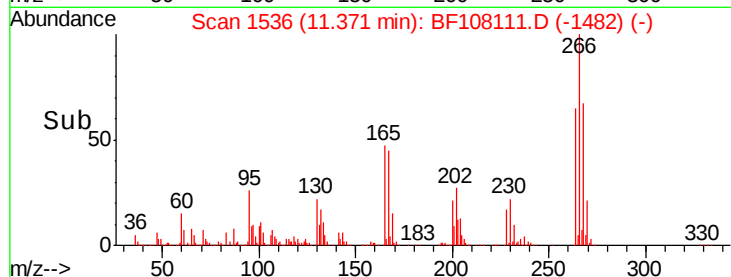
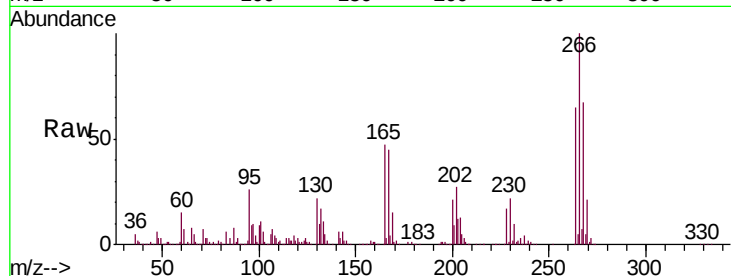
#69
 Pentachlorophenol
 Concen: 98.158 ng
 RT: 11.37 min Scan# 1536
 Delta R.T. 0.02 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	464532		
268	67.1	51.1	76.7	
264	65.4	49.5	74.3	

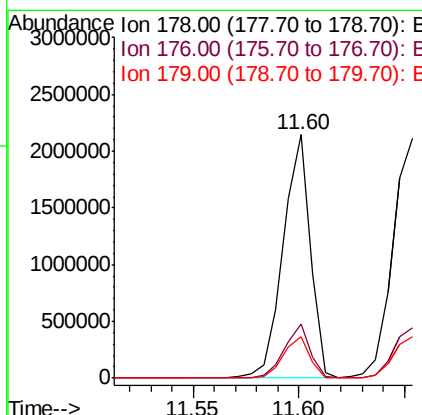
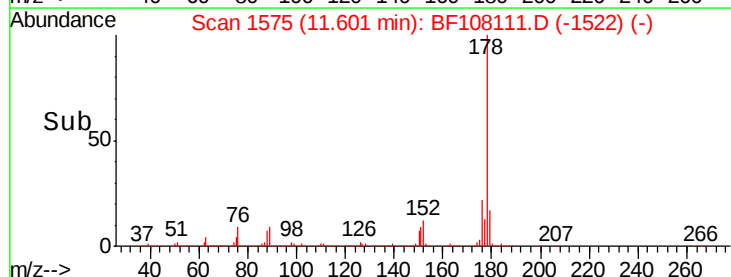
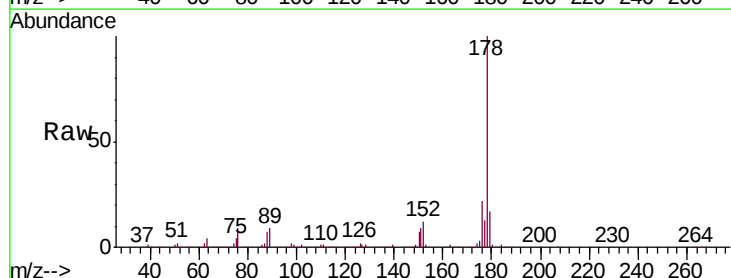
Manual Integrations
 APPROVED

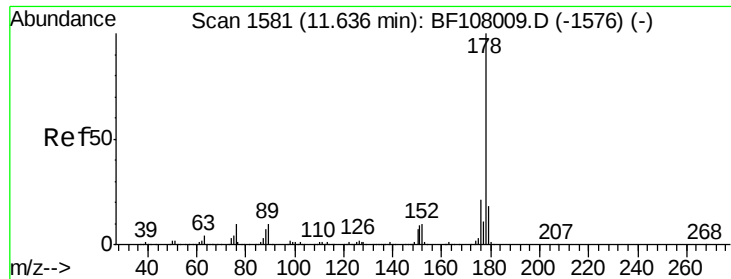
Sohil
 8/14/2018 2:36:22 PM



#70
 Phenanthrene
 Concen: 47.515 ng
 RT: 11.60 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1937913		
176	22.1	15.8	23.8	
179	17.2	13.0	19.6	





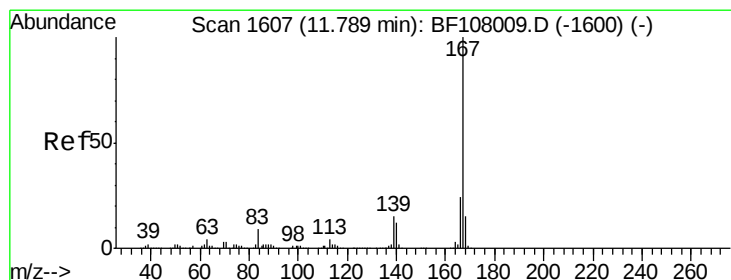
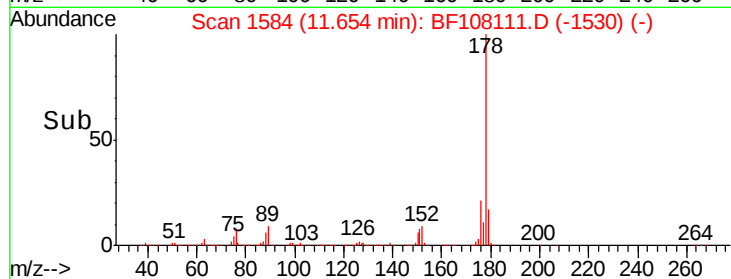
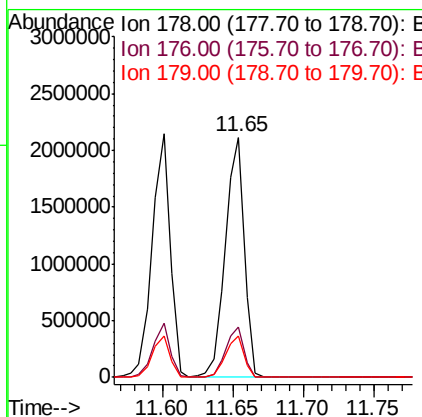
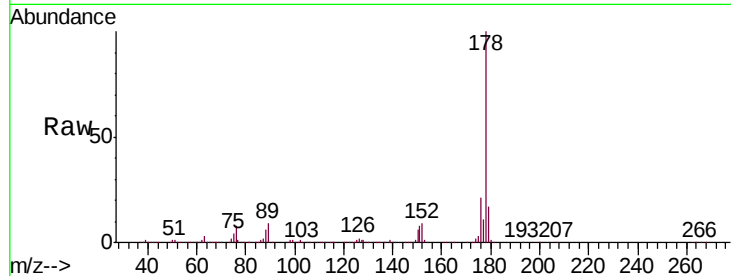
#71
 Anthracene
 Concen: 47.383 ng
 RT: 11.65 min Scan# 1584
 Delta R.T. 0.02 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.4	23.2
179	17.0	12.6	19.0

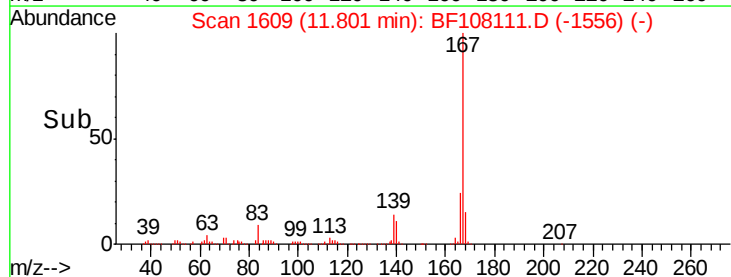
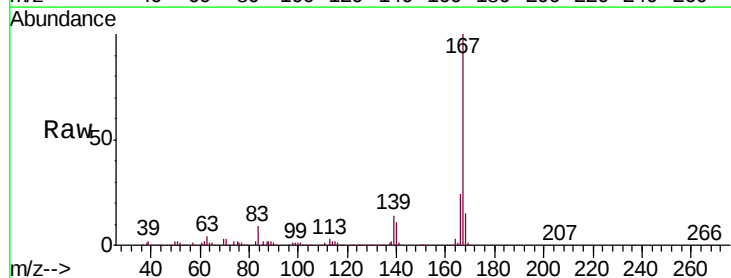
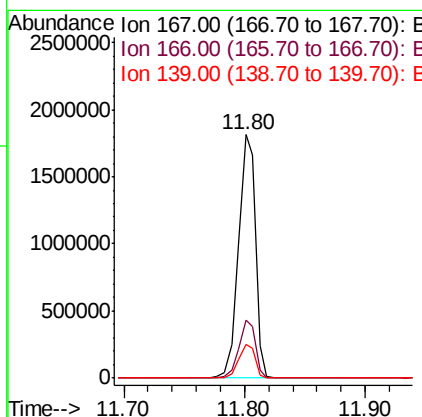
Manual Integrations
 APPROVED

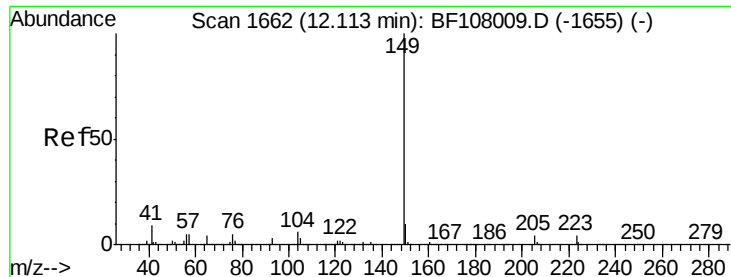
Sohil
 8/14/2018 2:36:22 PM



#72
 Carbazole
 Concen: 47.860 ng
 RT: 11.80 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.6	26.4
139	13.7	10.9	16.3





#73

Di-n-butylphthalate

Concen: 50.206 ng

RT: 12.12 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :

BNA_F

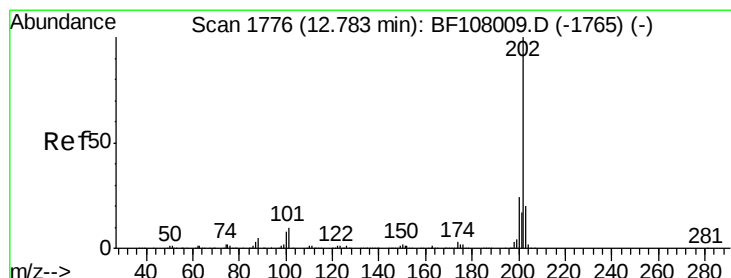
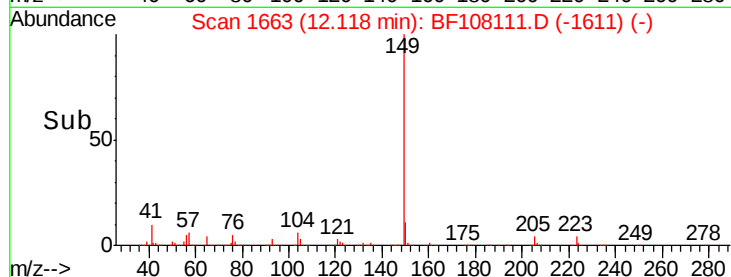
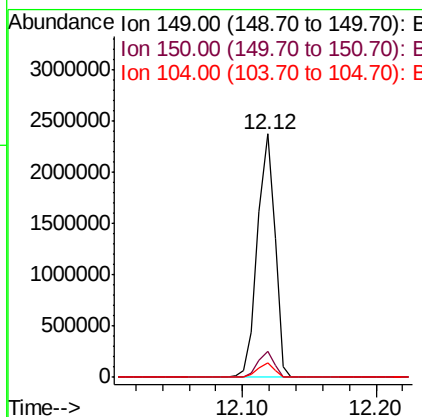
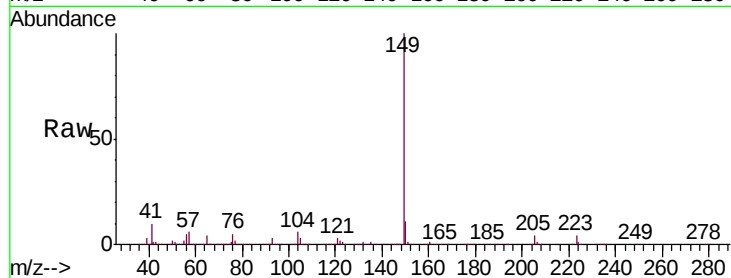
ClientSampleId :

PB111971BS

Tgt Ion:	149	Resp:	2112073
Ion Ratio	Lower	Upper	
149	100		
150	10.6	7.8	11.6
104	5.9	3.8	5.8#

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#74

Fluoranthene

Concen: 48.069 ng

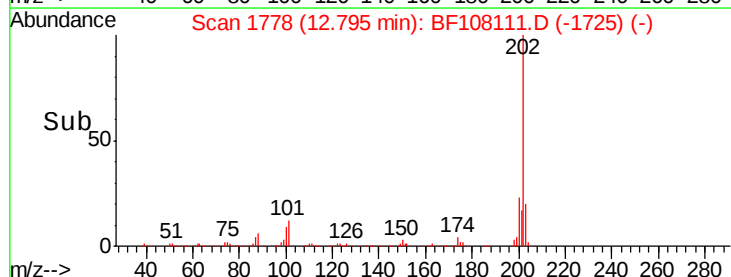
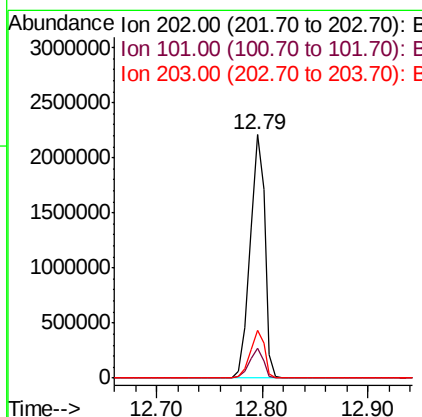
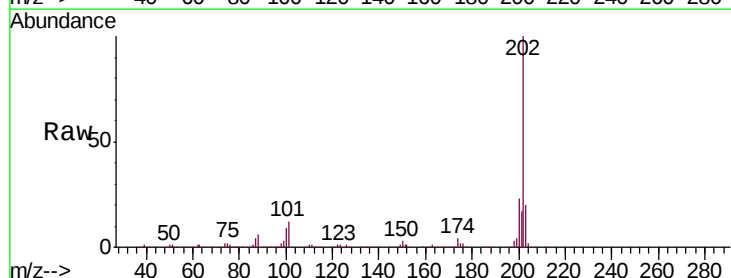
RT: 12.79 min Scan# 1778

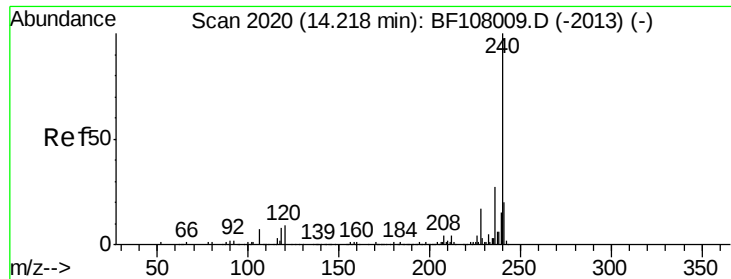
Delta R.T. 0.01 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion:	202	Resp:	2139658
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	19.7	0.0	38.1





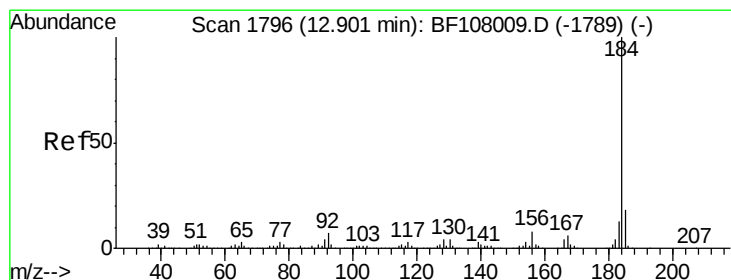
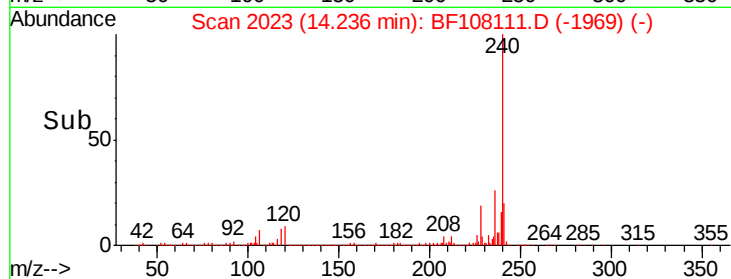
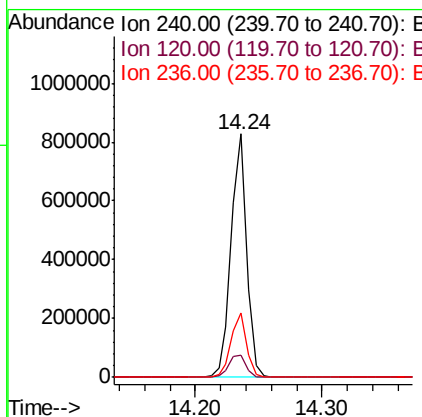
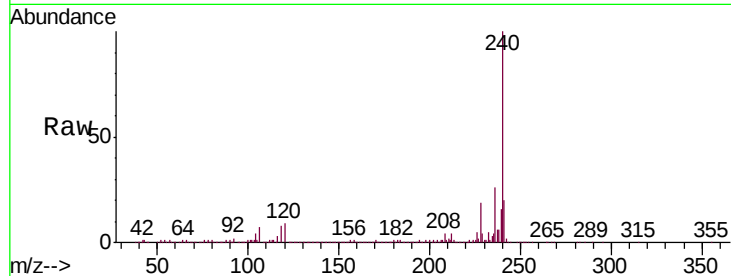
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.24 min Scan# 2023
Delta R.T. 0.02 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	26.2	20.7	31.1

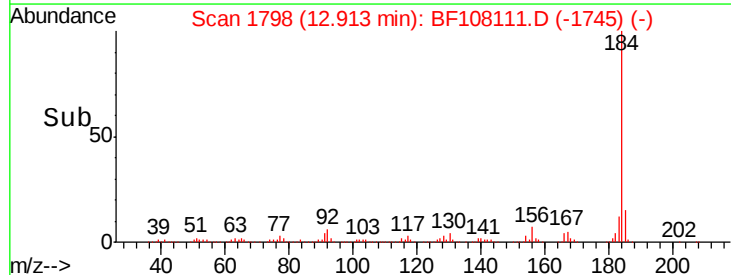
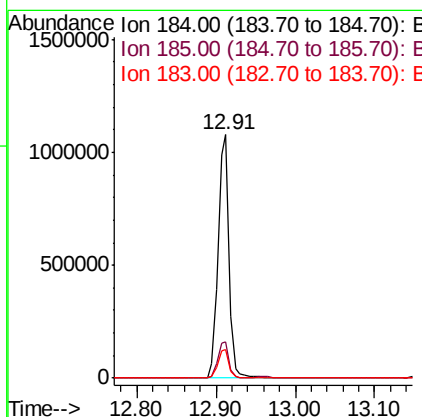
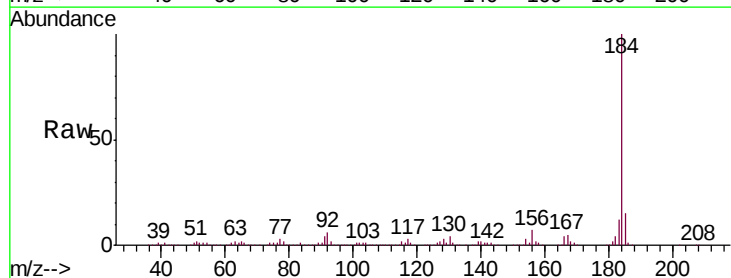
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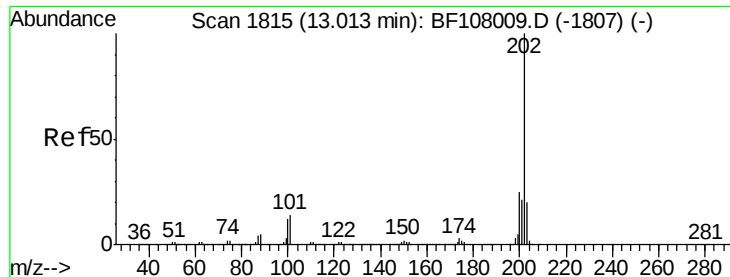
Sohil
8/14/2018 2:36:22 PM



#76
Benzidine
Concen: 39.592 ng
RT: 12.91 min Scan# 1798
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.6	18.8
183	11.7	9.3	13.9





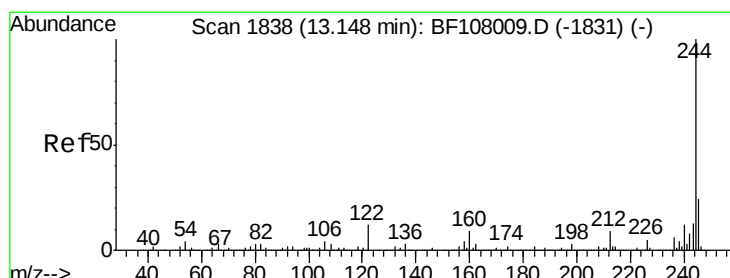
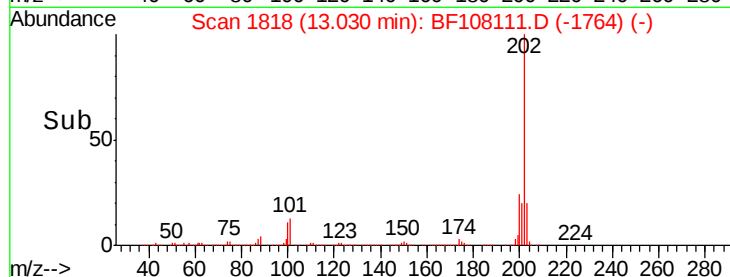
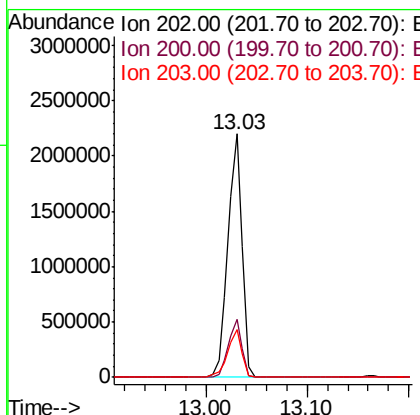
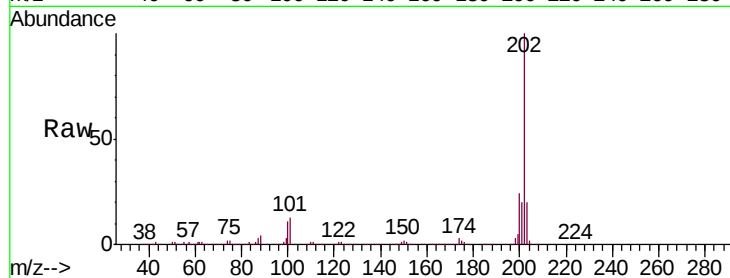
#77
 Pyrene
 Concen: 48.369 ng
 RT: 13.03 min Scan# 1818
 Delta R.T. 0.02 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.9	17.4	26.2
203	19.6	14.3	21.5

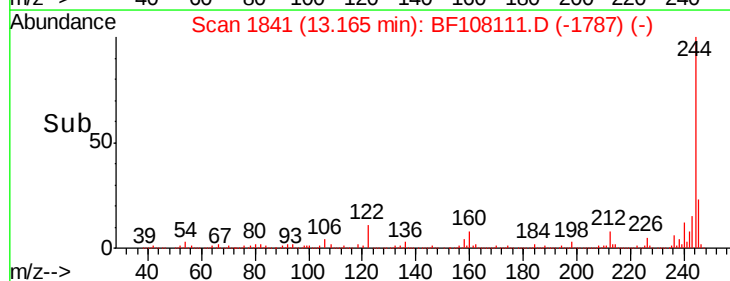
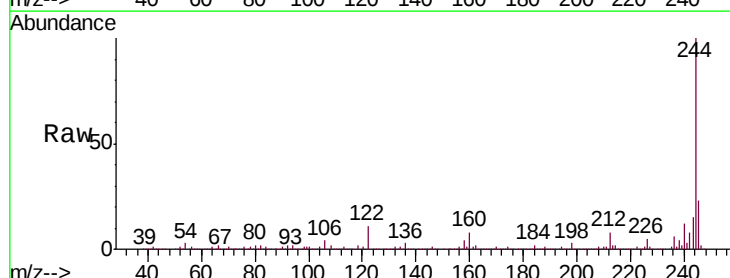
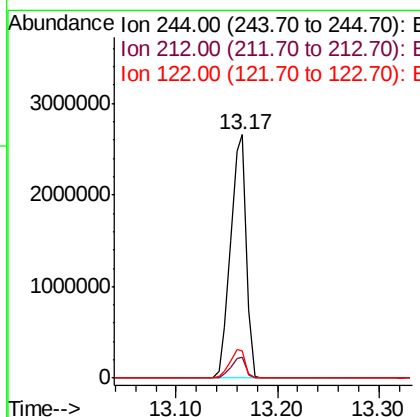
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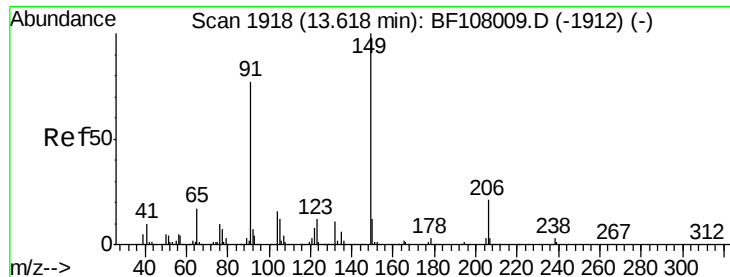
Sohil
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#78
 Terphenyl-d14
 Concen: 104.165 ng
 RT: 13.17 min Scan# 1841
 Delta R.T. 0.02 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.4	8.0#
122	11.1	11.0	16.4





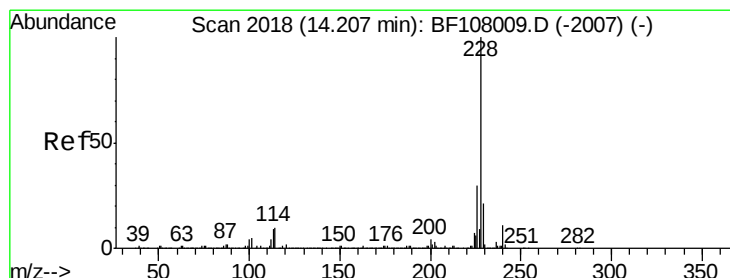
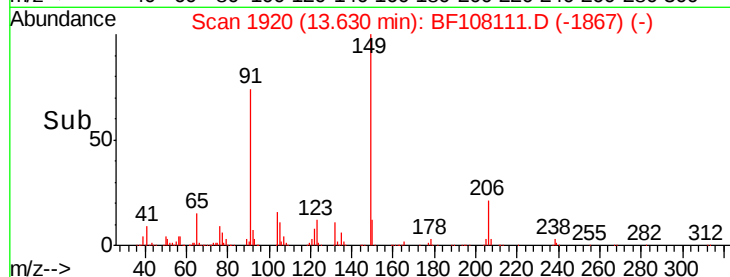
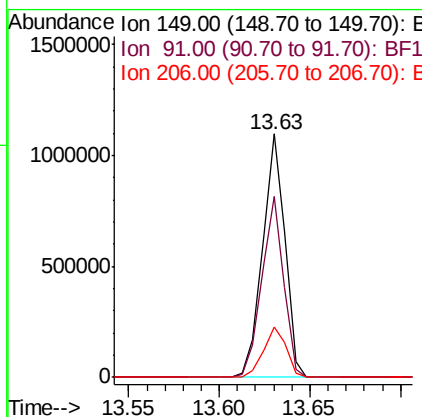
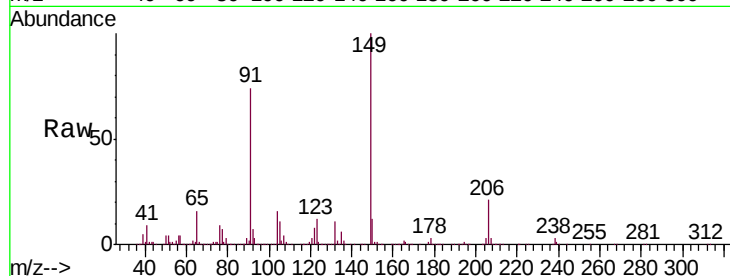
#79
Butylbenzylphthalate
Concen: 53.570 ng
RT: 13.63 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	74.4	56.8	85.2
206	20.9	14.1	21.1

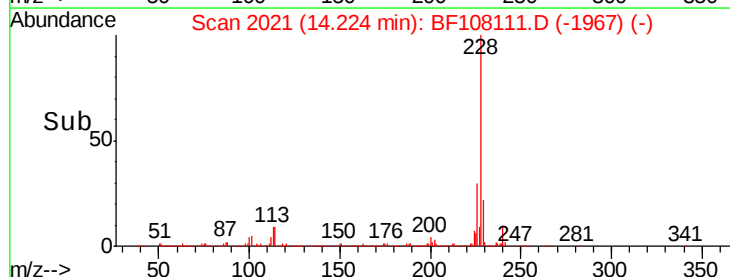
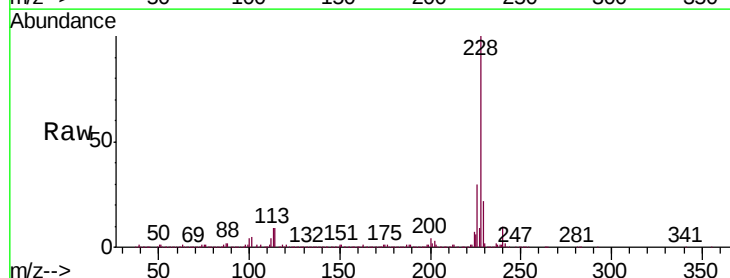
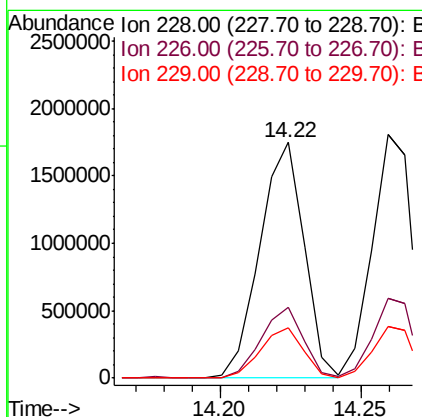
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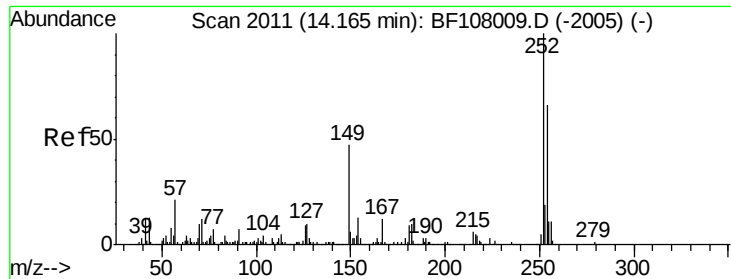
Sohil
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#80
Benzo(a)anthracene
Concen: 47.552 ng
RT: 14.22 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.1	22.6	33.8
229	21.5	15.8	23.6





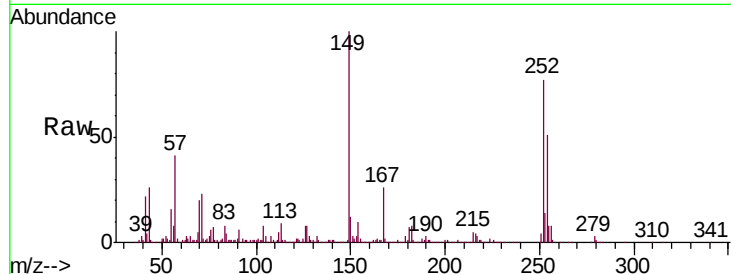
#81
 3,3'-Dichlorobenzidine
 Concen: 34.448 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	493911		
254	65.8	50.4	75.6	
126	10.7	11.3	16.9	

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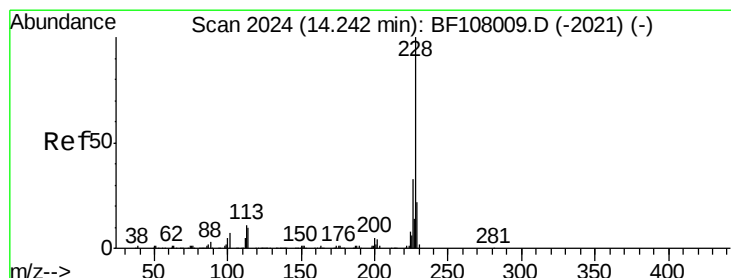
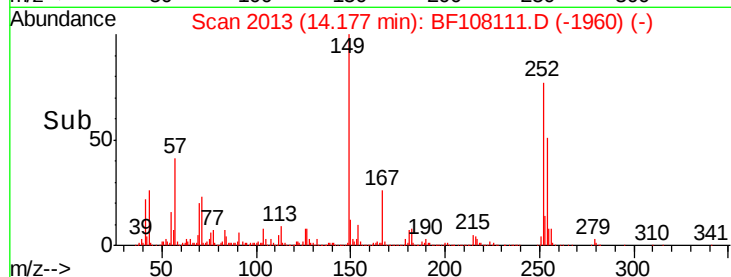
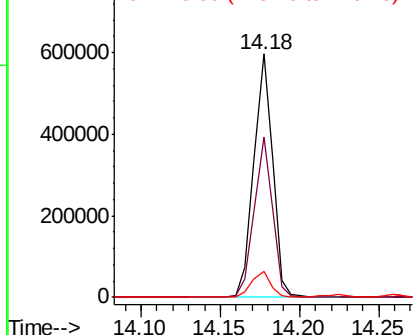


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 47.321 ng
 RT: 14.26 min Scan# 2027
 Delta R.T. 0.02 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

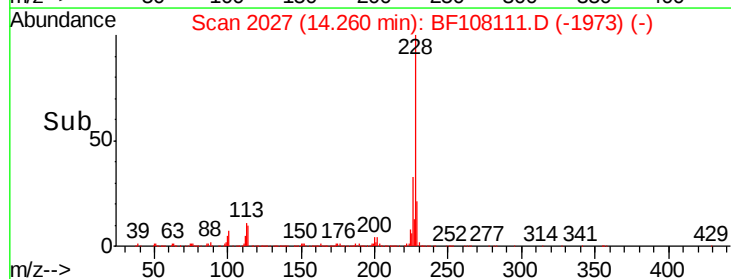
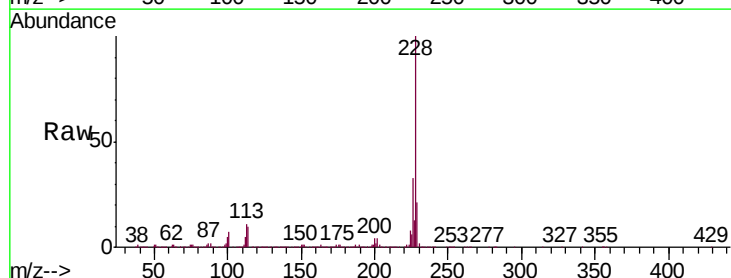
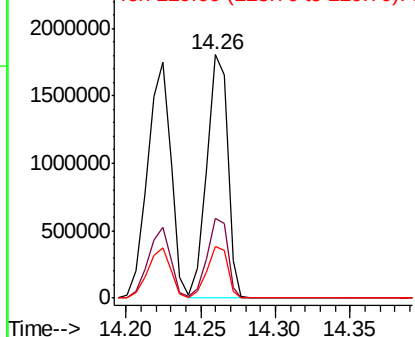
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1735693		
226	32.6	25.0	37.6	
229	21.4	16.2	24.4	

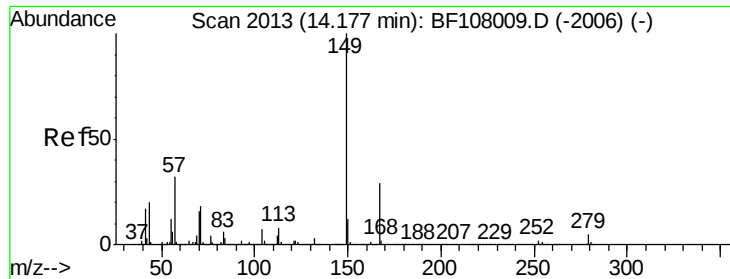
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





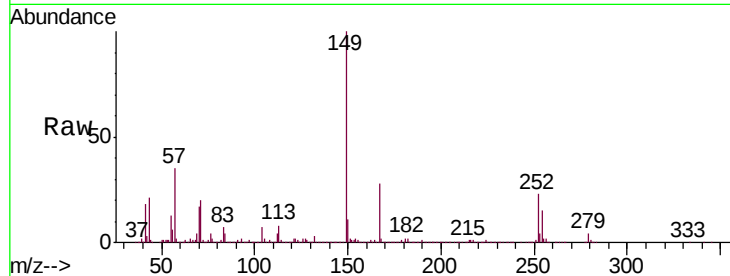
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.676 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.3	31.9
279	4.2	3.0	4.4

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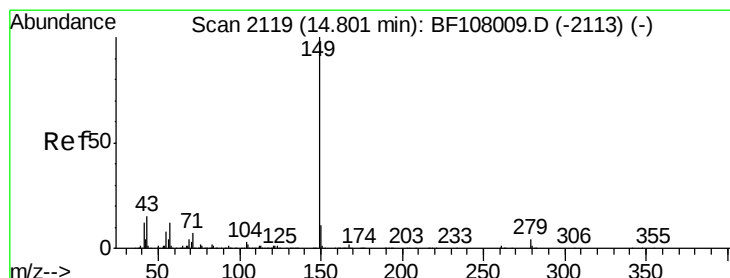
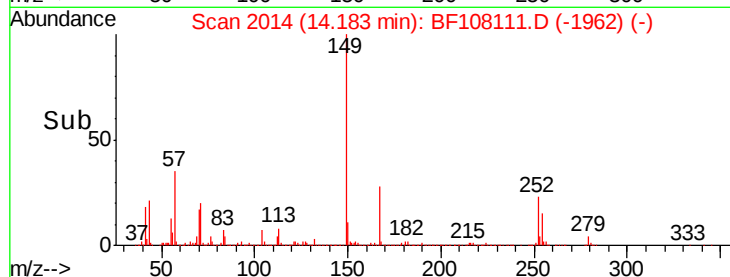
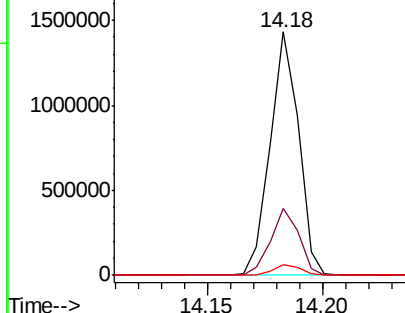


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 53.165 ng
 RT: 14.81 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

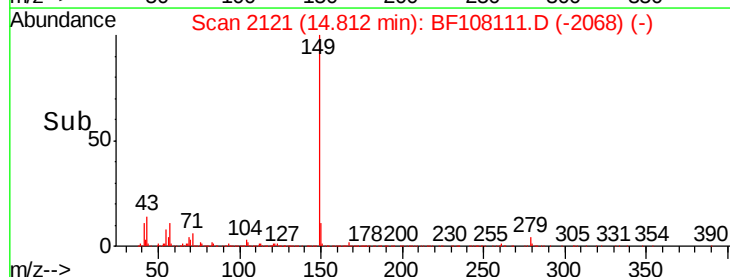
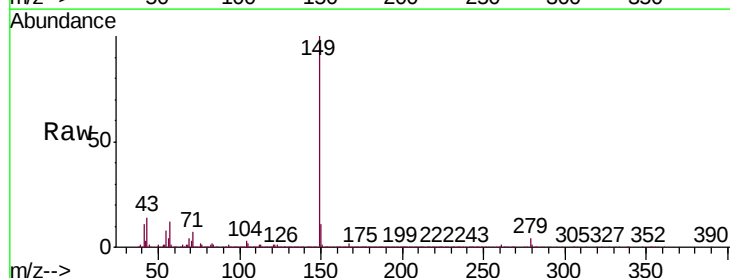
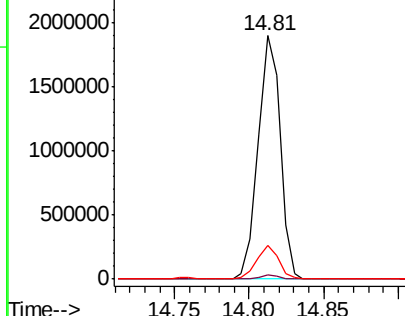
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.9	8.4	12.6#

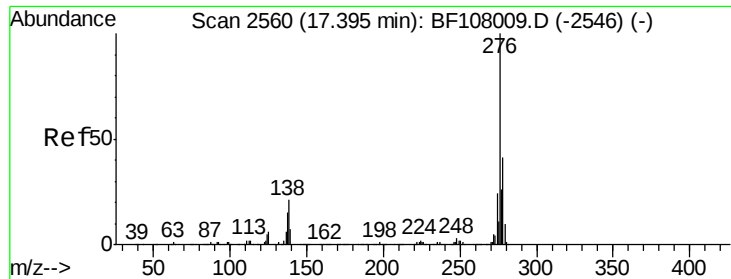
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





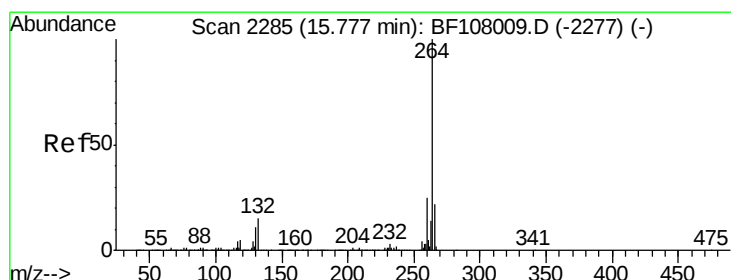
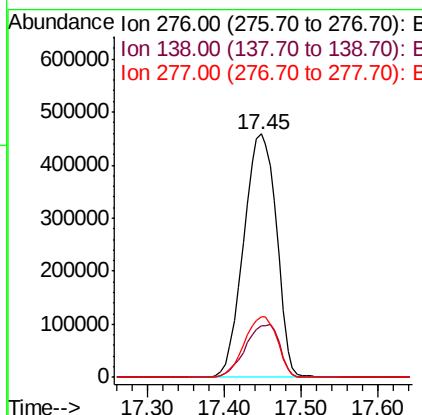
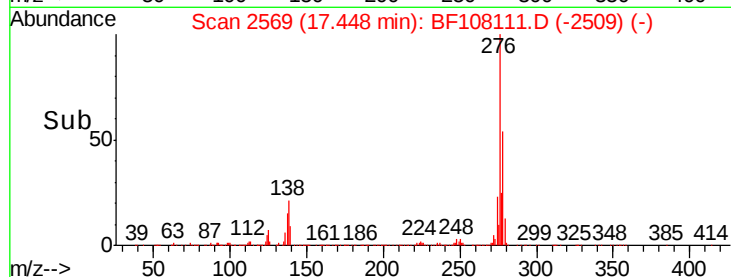
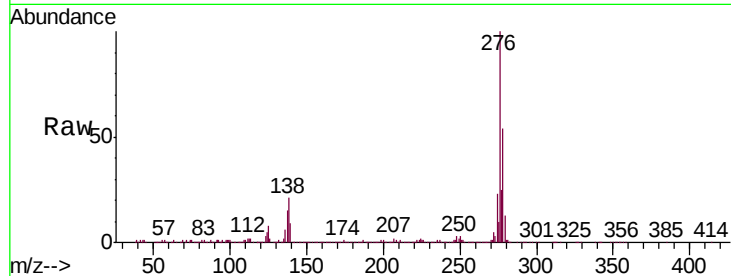
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.159 ng
 RT: 17.45 min Scan# 2569
 Delta R.T. 0.05 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :
 PB111971BS

Tgt Ion: 276 Resp: 1371636
 Ion Ratio Lower Upper
 276 100
 138 22.4 25.0 37.6#
 277 25.1 20.1 30.1

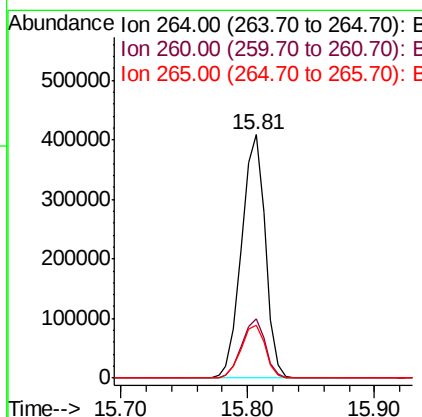
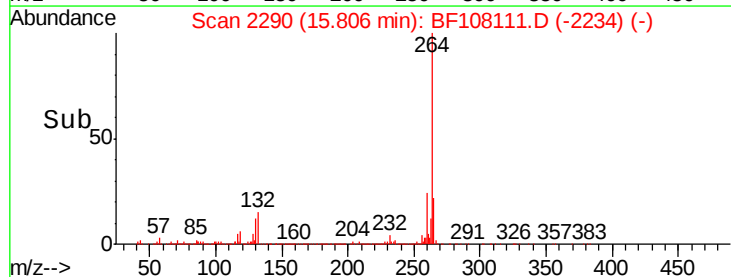
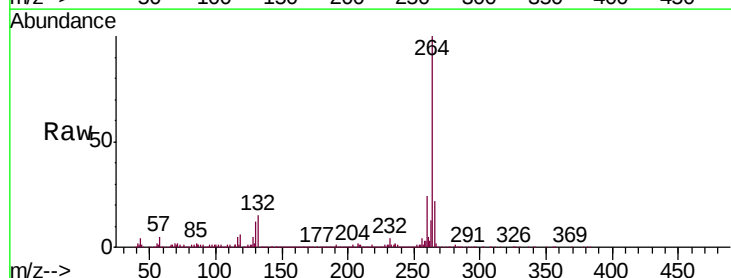
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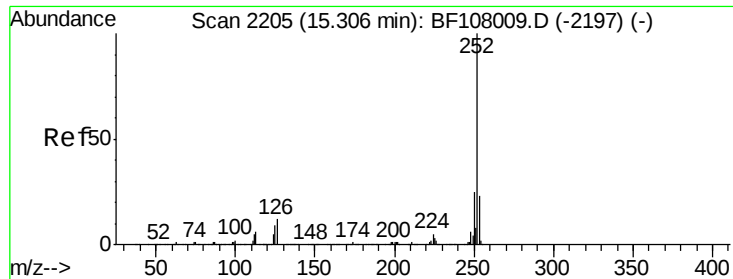
Sohil
 8/14/2018 2:36:22 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.81 min Scan# 2290
 Delta R.T. 0.03 min
 Lab File: BF108111.D
 Acq: 13 Aug 2018 12:56

Tgt Ion: 264 Resp: 527905
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 48.402 ng

RT: 15.37 min Scan# 2215

Delta R.T. 0.06 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :
BNA_F

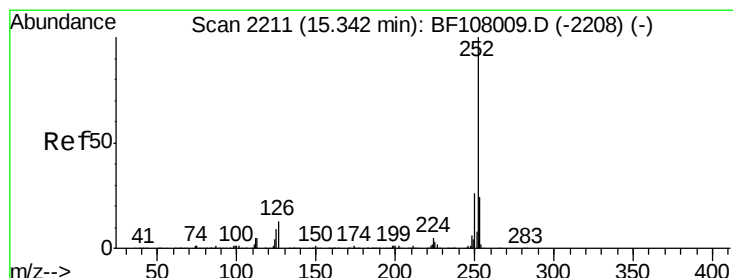
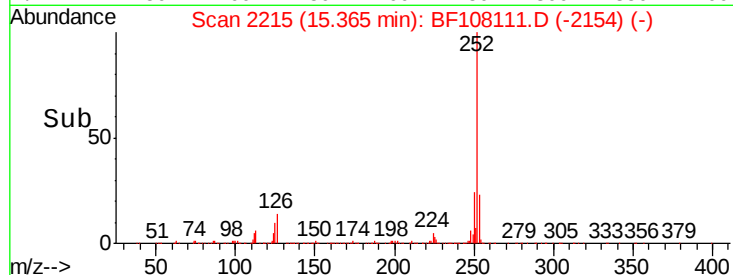
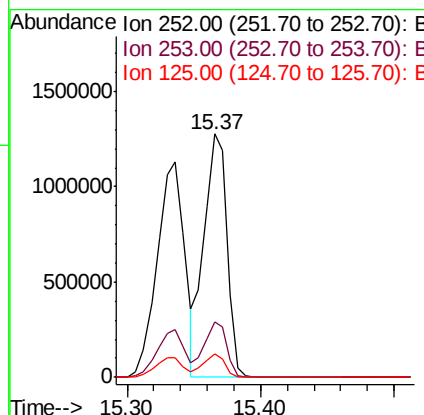
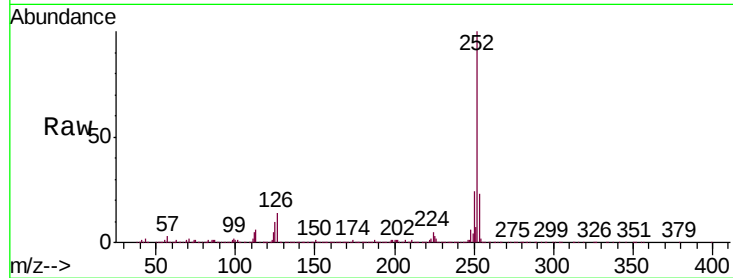
ClientSampleId :
PB111971BS

Tgt Ion:252 Resp: 1526818

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.7	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 52.654 ng

RT: 15.37 min Scan# 2215

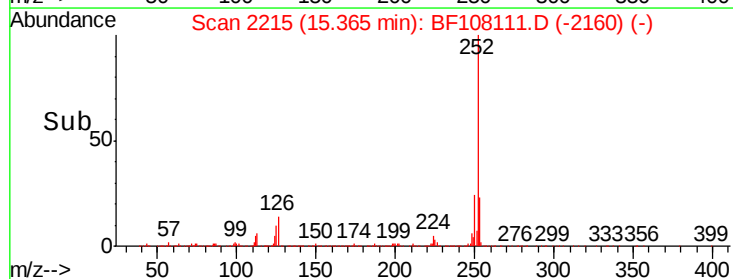
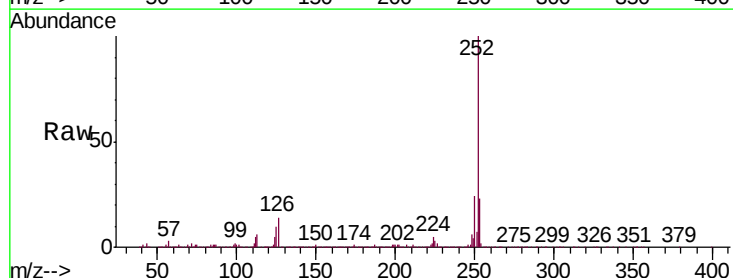
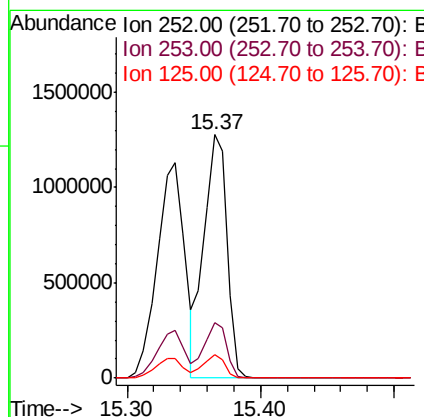
Delta R.T. 0.02 min

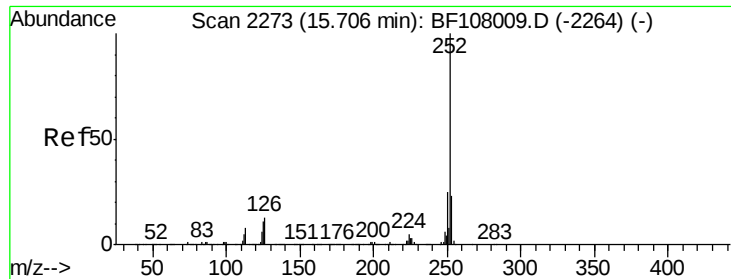
Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Tgt Ion:252 Resp: 1526818

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	9.7	10.2	15.2#





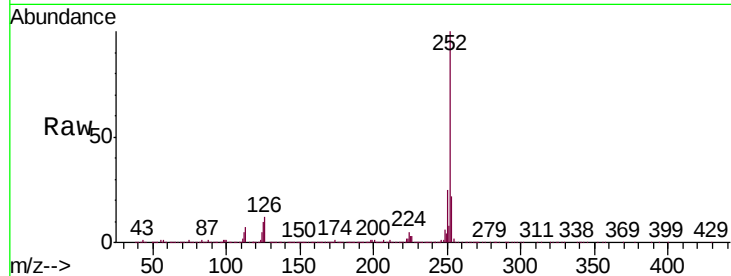
#89
Benzo(a)pyrene
Concen: 51.238 ng
RT: 15.74 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Instrument :
BNA_F
ClientSampleId :
PB111971BS

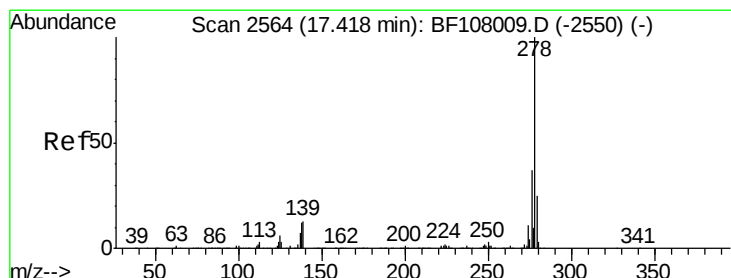
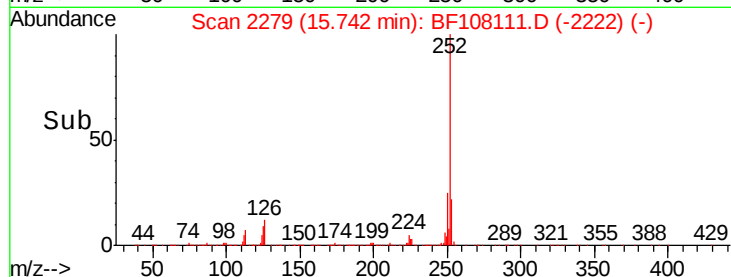
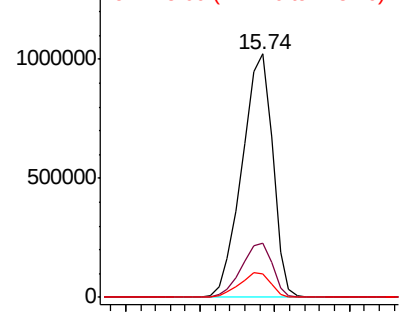
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	9.5	9.8	14.6

Manual Integrations
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Sohil
8/14/2018 2:36:22 PM

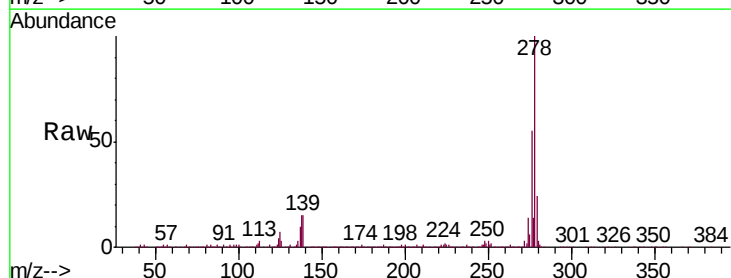


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

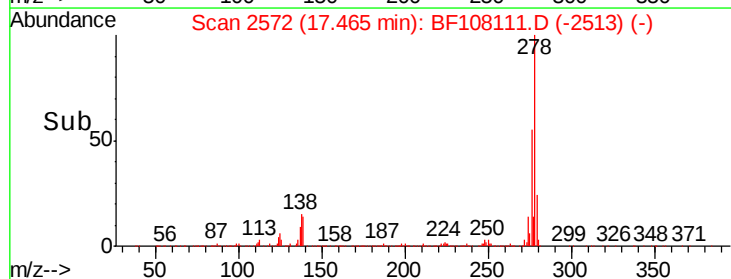
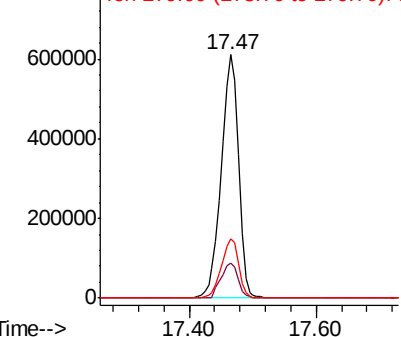


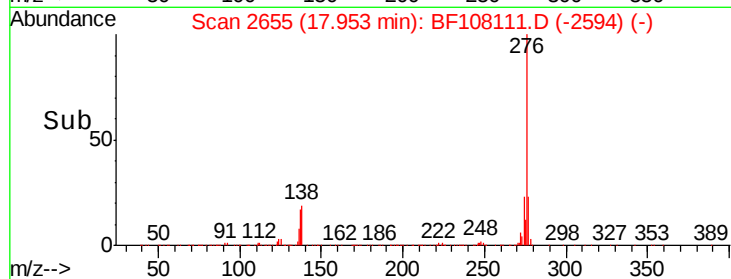
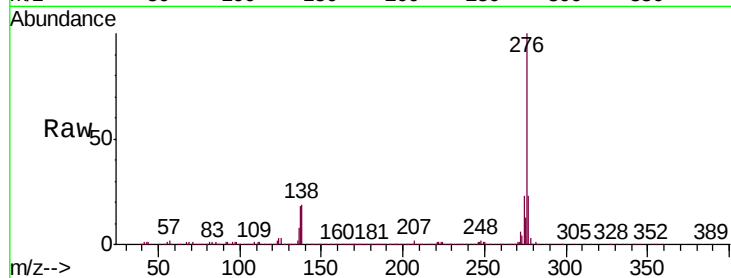
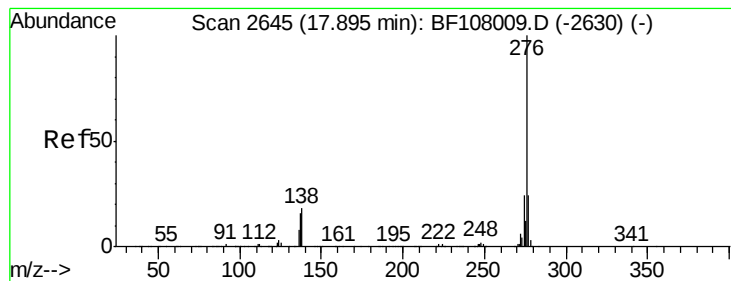
#90
Dibenzo(a,h)anthracene
Concen: 48.904 ng
RT: 17.47 min Scan# 2572
Delta R.T. 0.05 min
Lab File: BF108111.D
Acq: 13 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.5	15.9	23.9
279	24.5	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(g,h,i)perylene

Concen: 48.834 ng

RT: 17.95 min Scan# 2655

Delta R.T. 0.06 min

Lab File: BF108111.D

Acq: 13 Aug 2018 12:56

Instrument :

BNA_F

ClientSampleId :

PB111971BS

Tgt Ion: 276 Resp: 1123865

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 19.4 21.8 32.8#

Manual Integrations

APPROVED

Sohil

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