

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110722.D
 Acq On : 13 Nov 2018 16:42
 Operator : JU/SJ
 Sample : J5910-07MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

Manual Integrations
 APPROVED

Sohil
 11/14/2018 1:48:34 PM

Quant Time: Nov 13 17:18:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	78997	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	331747	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	153831	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	275908	20.00	ng	0.00
76) Chrysene-d12	14.13	240	152844	20.00	ng	0.00
87) Perylene-d12	15.66	264	159992	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	602689	123.92	ng	0.01
7) Phenol-d6	6.57	99	767855	123.47	ng	0.00
23) Nitrobenzene-d5	7.51	82	486119	84.39	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	180199	116.25	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	856537	79.52	ng	0.00
79) Terphenyl-d14	13.06	244	662110	81.13	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	64846	26.760	ng	88
3) Pyridine	3.62	79	165996	31.736	ng	# 82
4) n-Nitrosodimethylamine	3.57	42	96907	43.179	ng	87
6) Aniline	6.61	93	222832	27.475	ng	# 55
8) 2-Chlorophenol	6.73	128	214563	37.634	ng	99
9) Benzaldehyde	6.50	77	123259	35.926	ng	99
10) Phenol	6.59	94	345177	47.866	ng	# 63
11) bis(2-Chloroethyl)ether	6.68	93	192308	35.584	ng	94
12) 1,3-Dichlorobenzene	6.89	146	218234	34.984	ng	96
13) 1,4-Dichlorobenzene	6.96	146	223361	35.261	ng	99
14) 1,2-Dichlorobenzene	7.12	146	208101	35.314	ng	100
15) Benzyl Alcohol	7.09	79	185238	38.061	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.21	45	319496	37.645	ng	71
17) 2-Methylphenol	7.19	107	172133	37.936	ng	# 83
18) Hexachloroethane	7.45	117	82737	35.379	ng	95
19) n-Nitroso-di-n-propylamine	7.35	70	147800	37.231	ng	95
20) 3+4-Methylphenols	7.35	107	223071	38.297	ng	91
22) Acetophenone	7.36	105	297179	38.437	ng	# 96
24) Nitrobenzene	7.53	77	222014	37.616	ng	96
25) Isophorone	7.76	82	409843	43.408	ng	98
26) 2-Nitrophenol	7.85	139	112607	38.245	ng	94
27) 2,4-Dimethylphenol	7.87	122	196490	43.819	ng	96
28) bis(2-Chloroethoxy)methane	7.96	93	253029	39.581	ng	98
29) 2,4-Dichlorophenol	8.09	162	180087	39.030	ng	99
30) 1,2,4-Trichlorobenzene	8.16	180	189937	36.511	ng	94
31) Naphthalene	8.25	128	617739	39.665	ng	99
32) Benzoic acid	7.97	122	41781	13.169	ng	92
33) 4-Chloroaniline	8.30	127	164948	23.383	ng	98
34) Hexachlorobutadiene	8.35	225	101249	34.074	ng	99
35) Caprolactam	8.67	113	62154m	40.319	ng	
36) 4-Chloro-3-methylphenol	8.78	107	193915	38.969	ng	96
37) 2-Methylnaphthalene	8.94	142	421918	41.327	ng	99
38) 1-Methylnaphthalene	9.04	142	402292	40.973	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.10	216	178528	36.664	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110722.D
 Acq On : 13 Nov 2018 16:42
 Operator : JU/SJ
 Sample : J5910-07MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

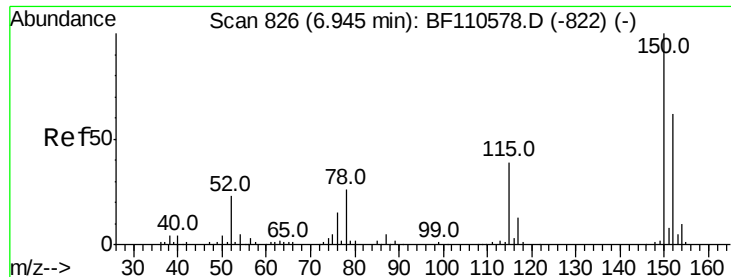
Manual Integrations
 APPROVED

Sohil
 11/14/2018 1:48:34 PM

Quant Time: Nov 13 17:18:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.09	237	96713	53.719	nq	99
43) 2,4,6-Trichlorophenol	9.22	196	122288	39.965	nq	93
44) 2,4,5-Trichlorophenol	9.26	196	131107	40.168	nq	96
46) 1,1'-Biphenyl	9.40	154	512205	35.693	nq	99
47) 2-Chloronaphthalene	9.43	162	389428	37.668	nq	99
48) 2-Nitroaniline	9.53	65	125669	39.446	nq	93
49) Acenaphthylene	9.85	152	608172	40.848	nq	99
50) Dimethylphthalate	9.70	163	556760	48.505	nq	99
51) 2,6-Dinitrotoluene	9.77	165	100624	39.851	nq	87
52) Acenaphthene	10.02	154	361339	38.403	nq	98
53) 3-Nitroaniline	9.95	138	81809	27.965	nq	94
54) 2,4-Dinitrophenol	10.06	184	39855	41.996	nq	89
55) Dibenzofuran	10.19	168	522809	37.978	nq	98
56) 4-Nitrophenol	10.11	139	137442	70.818	nq	96
57) 2,4-Dinitrotoluene	10.18	165	131641	40.097	nq	97
58) Fluorene	10.54	166	418372	39.567	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.31	232	103590m	40.343	nq	
60) Diethylphthalate	10.40	149	446413	39.311	nq	100
61) 4-Chlorophenyl-phenylether	10.52	204	202575	37.001	nq	99
62) 4-Nitroaniline	10.56	138	98707	33.508	nq	94
63) Azobenzene	10.69	77	416881	37.627	nq	95
65) 4,6-Dinitro-2-methylphenol	10.60	198	42542	30.594	nq	97
66) n-Nitrosodiphenylamine	10.65	169	366464	39.405	nq	96
67) 4-Bromophenyl-phenylether	11.02	248	114644	37.596	nq	94
68) Hexachlorobenzene	11.09	284	118881	36.978	nq	# 90
69) Atrazine	11.17	200	115309	40.551	nq	98
70) Pentachlorophenol	11.29	266	100925	58.833	nq	95
71) Phenanthrene	11.50	178	588787	39.832	nq	100
72) Anthracene	11.56	178	607299	40.728	nq	99
73) Carbazole	11.72	167	503185	35.138	nq	99
74) Di-n-butylphthalate	12.02	149	659309	39.261	nq	99
75) Fluoranthene	12.70	202	504203	34.023	nq	99
77) Benzidine	12.82	184	58375	13.888	nq	98
78) Pyrene	12.93	202	487675	41.439	nq	99
80) Butylbenzylphthalate	13.53	149	205781	40.625	nq	97
81) Benzo(a)anthracene	14.12	228	365296	39.986	nq	98
82) 3,3'-Dichlorobenzidine	14.07	252	96563	31.553	nq	99
83) Chrysene	14.16	228	338705	38.916	nq	99
84) Bis(2-ethylhexyl)phthalate	14.07	149	259398	41.281	nq	97
85) Di-n-octyl phthalate	14.69	149	432629	46.820	nq	99
86) Indeno(1,2,3-cd)pyrene	17.23	276	418216	66.962	nq	97
88) Benzo(b)fluoranthene	15.20	252	351615	36.736	nq	98
89) Benzo(k)fluoranthene	15.23	252	342222	36.185	nq	98
90) Benzo(a)pyrene	15.59	252	349091	40.143	nq	98
91) Dibenzo(a,h)anthracene	17.24	278	345737	46.981	nq	100
92) Benzo(g,h,i)perylene	17.70	276	334873	45.863	nq	97

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



#1

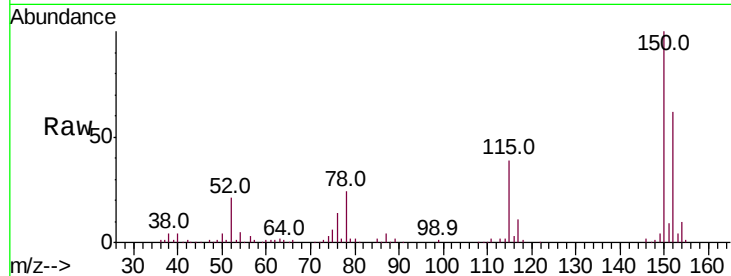
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	122.7	184.1
115	62.5	49.1	73.7

Manual Integrations
 APPROVED

Sohil
 11/14/2018 1:48:34 PM

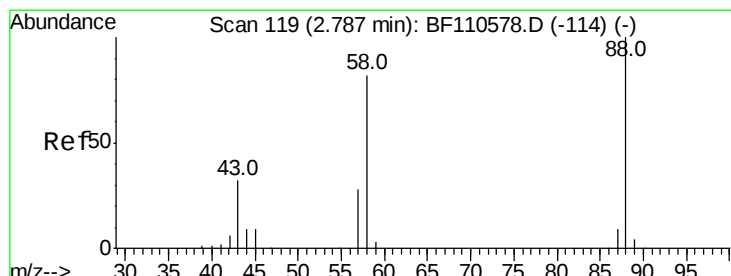
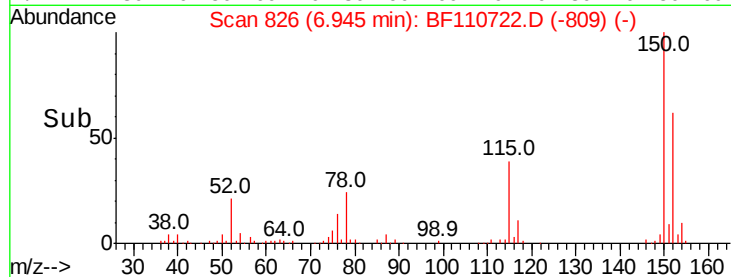
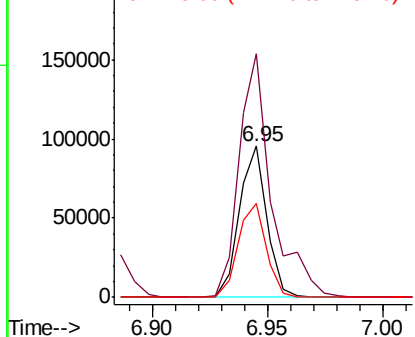


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

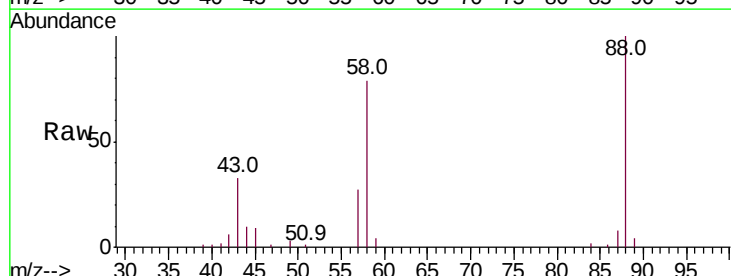
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
 Concen: 26.760 ng
 RT: 2.83 min Scan# 127
 Delta R.T. 0.05 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.2	57.1	85.7
43	32.2	24.1	36.1

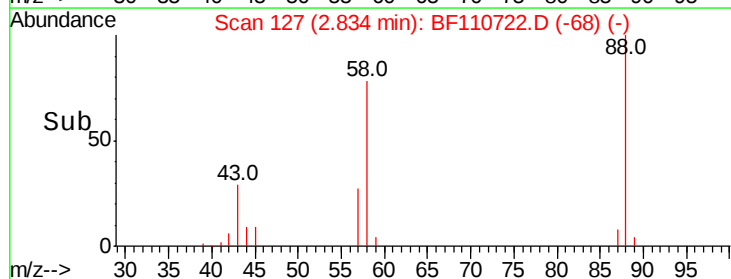
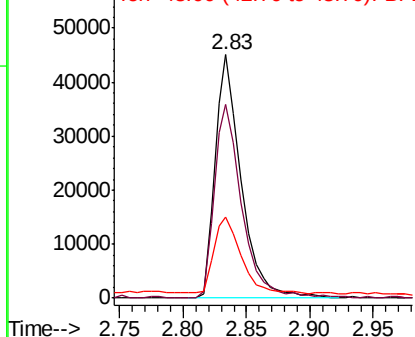


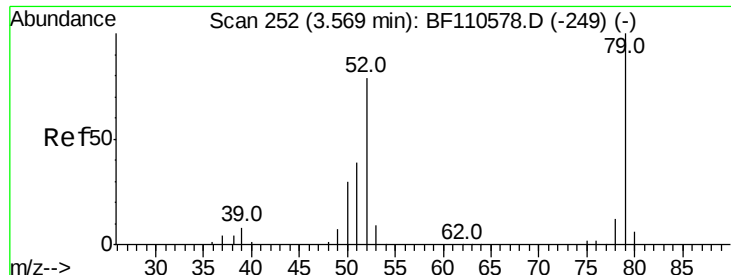
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





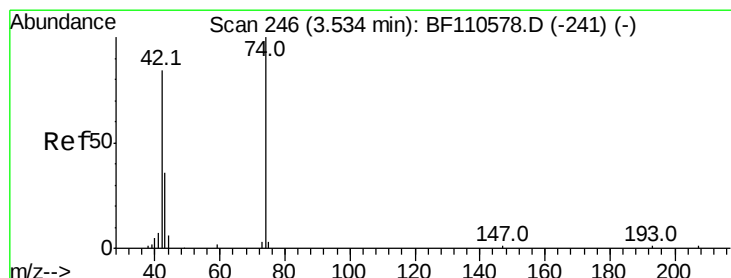
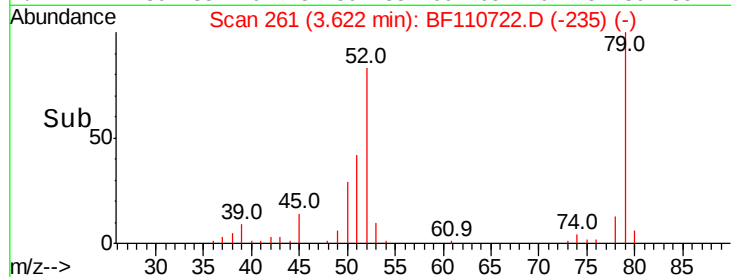
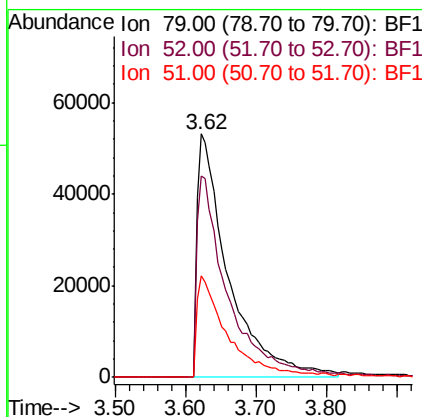
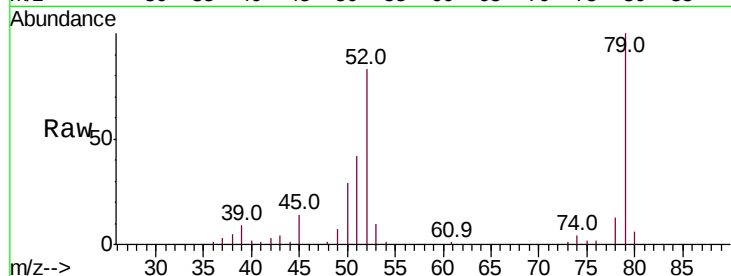
#3
 Pvridine
 Concen: 31.736 ng
 RT: 3.62 min Scan# 261
 Delta R.T. 0.05 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

Tot Ion: 79 Resp: 165996
 Ion Ratio Lower Upper
 79 100
 52 82.9 53.1 79.7#
 51 41.7 27.4 41.2#

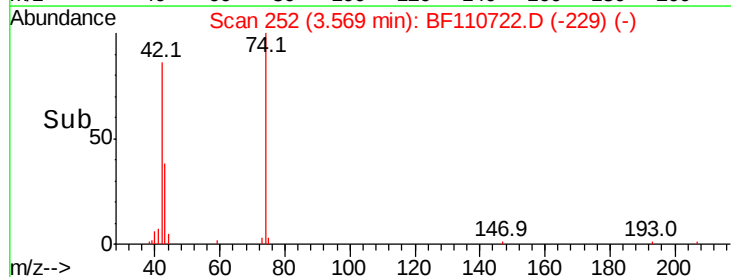
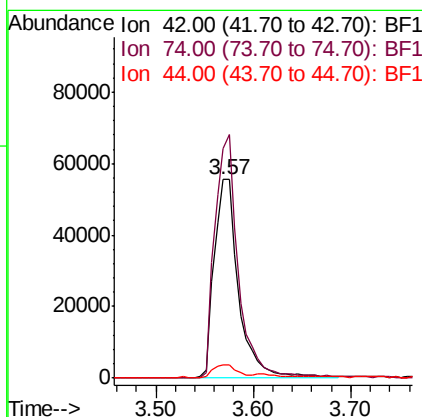
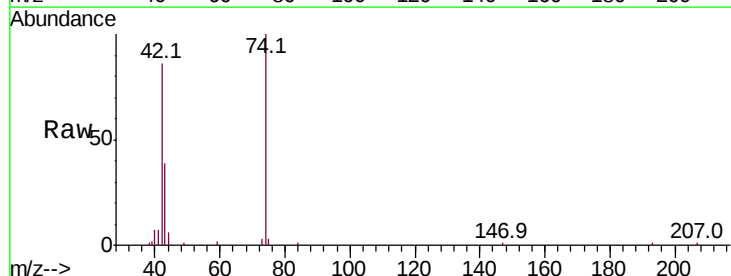
Manual Integrations
 APPROVED

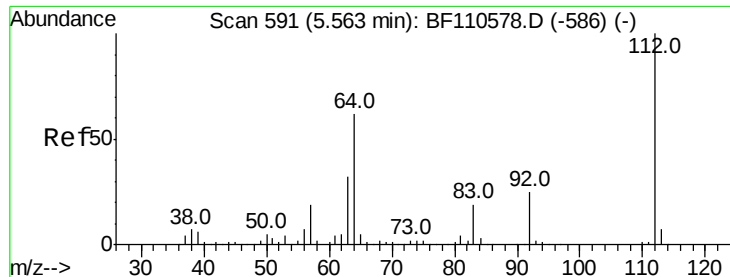
Sohil
 11/14/2018 1:48:34 PM



#4
 n-Nitrosodimethylamine
 Concen: 43.179 ng
 RT: 3.57 min Scan# 252
 Delta R.T. 0.04 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion: 42 Resp: 96907
 Ion Ratio Lower Upper
 42 100
 74 115.6 105.5 158.3
 44 6.5 4.9 7.3





#5

2-Fluorophenol

Concen: 123.923 ng

RT: 5.57 min Scan# 593

Delta R.T. 0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

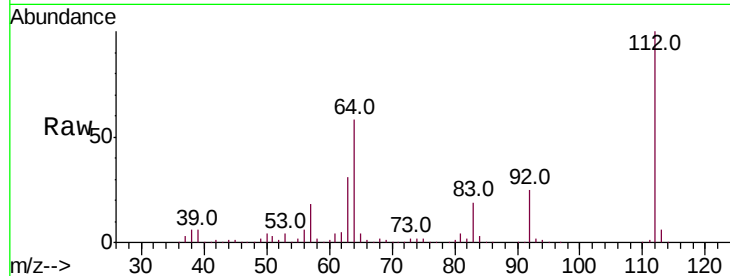
ClientSampled :

W-4-DMS

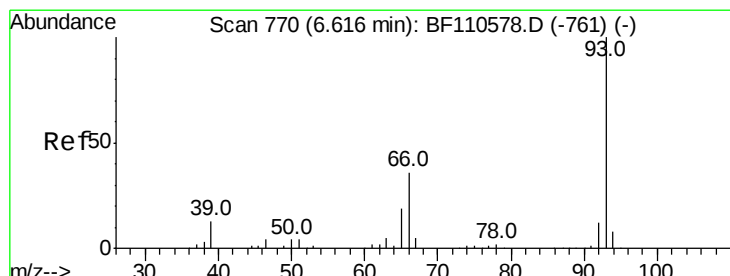
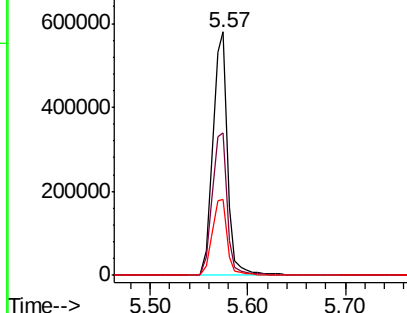
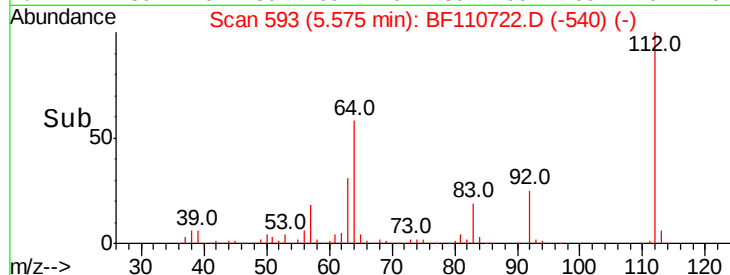
Tot Ion:	112	Resp:	602689
Ion Ratio	Lower	Upper	
112	100		
64	58.3	44.1	66.1
63	31.1	23.7	35.5

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 27.475 ng

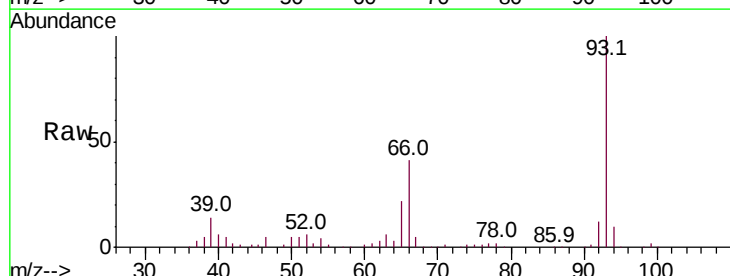
RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

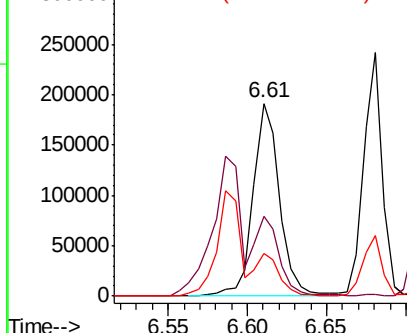
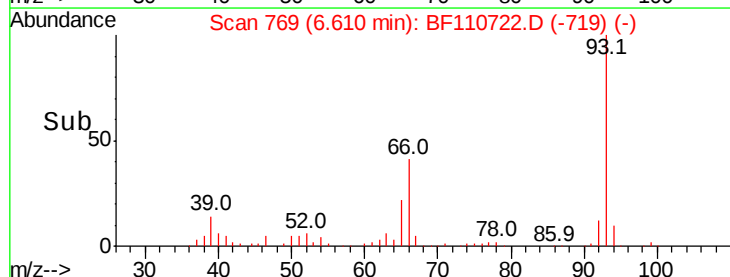
Lab File: BF110722.D

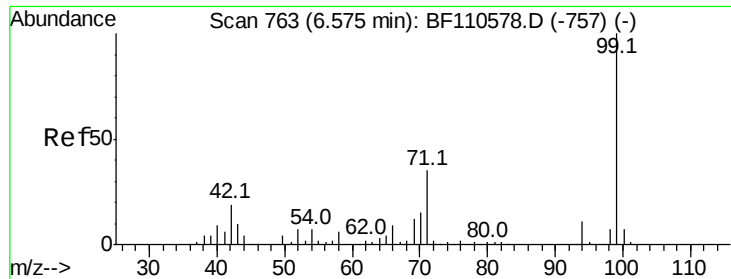
Acq: 13 Nov 2018 16:42

Tgt Ion:	93	Resp:	222832
Ion Ratio	Lower	Upper	
93	100		
66	41.5	67.4	101.0#
65	22.0	41.0	61.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 123.467 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

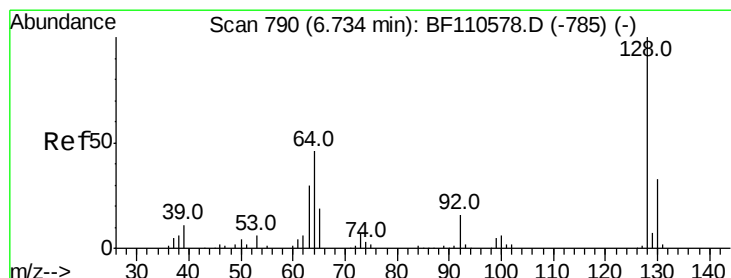
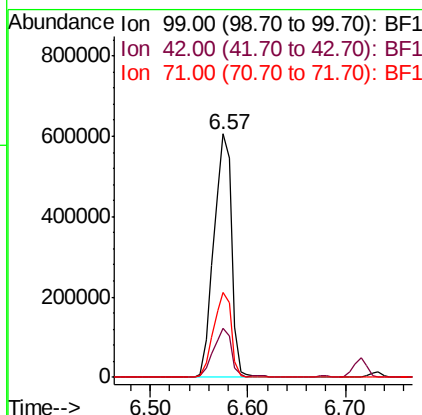
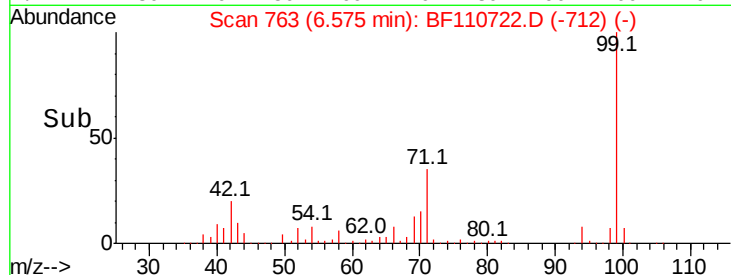
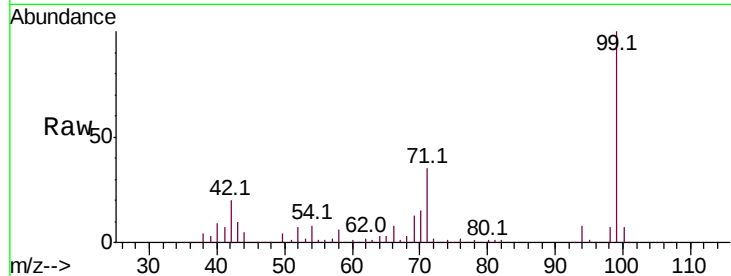
ClientSampleId :

W-4-DMS

Tot Ion:	99	Resp:	767855
Ion Ratio	Lower	Upper	
99	100		
42	20.2	15.8	23.6
71	35.1	28.0	42.0

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#8

2-Chlorophenol

Concen: 37.634 ng

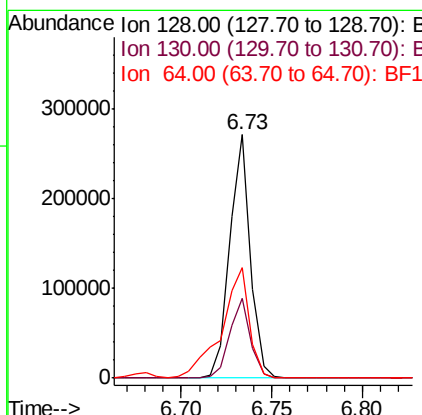
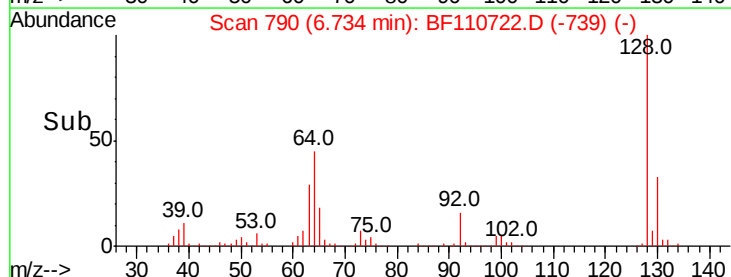
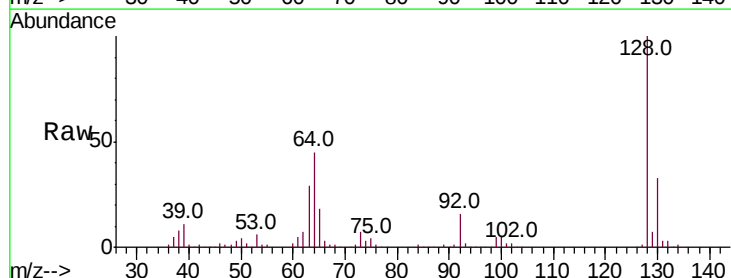
RT: 6.73 min Scan# 790

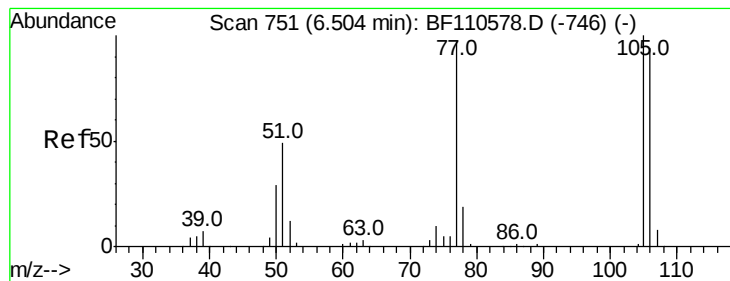
Delta R.T. 0.00 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion:	128	Resp:	214563
Ion Ratio	Lower	Upper	
128	100		
130	32.9	13.1	53.1
64	45.4	26.0	66.0





#9

Benzaldehyde

Concen: 35.926 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

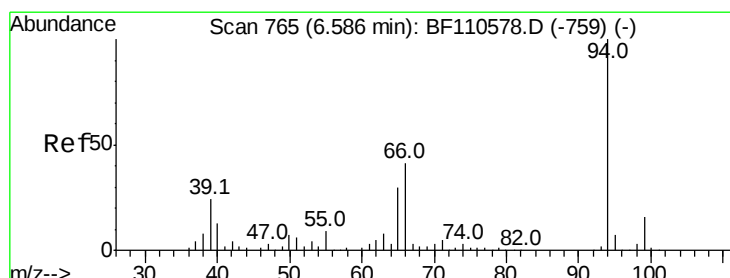
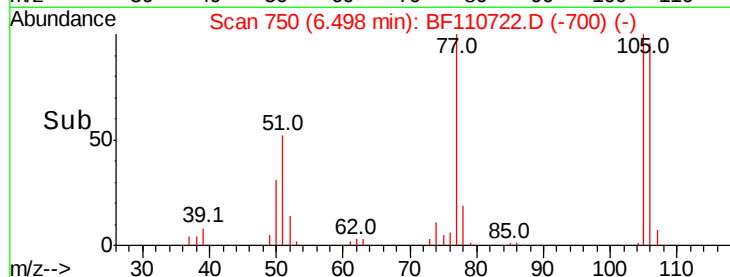
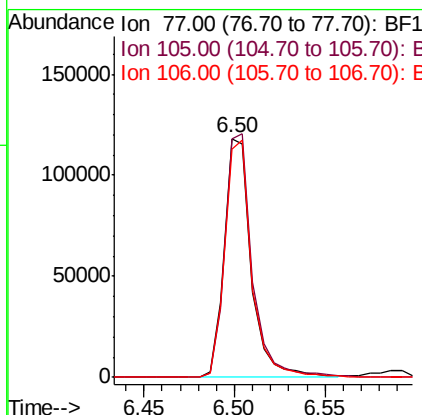
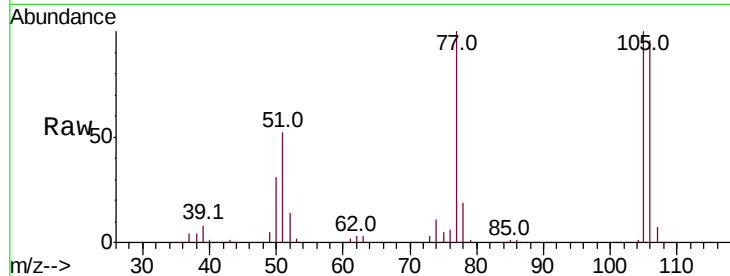
ClientSampled :

W-4-DMS

Tot Ion	77	Resp	123259
Ion	Ratio	Lower	Upper
77	100		
105	99.9	78.6	118.6
106	95.6	74.8	114.8

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#10

Phenol

Concen: 47.866 ng

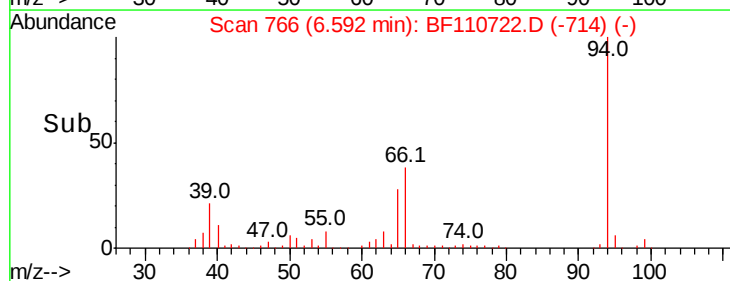
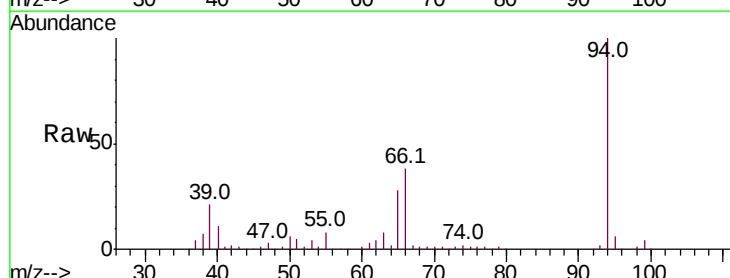
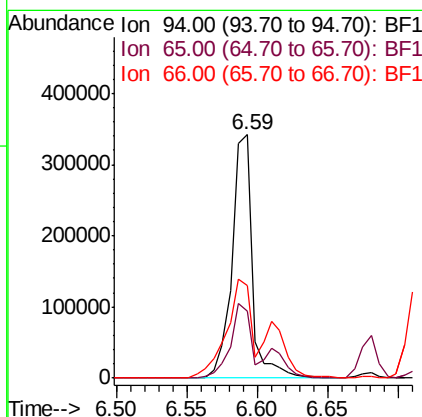
RT: 6.59 min Scan# 766

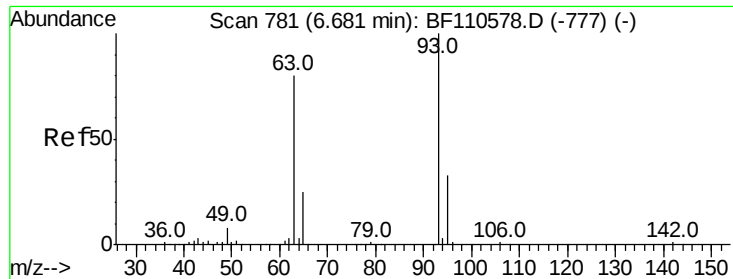
Delta R.T. 0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion	94	Resp	345177
Ion	Ratio	Lower	Upper
94	100		
65	27.6	25.3	65.3
66	37.8	54.5	94.5#





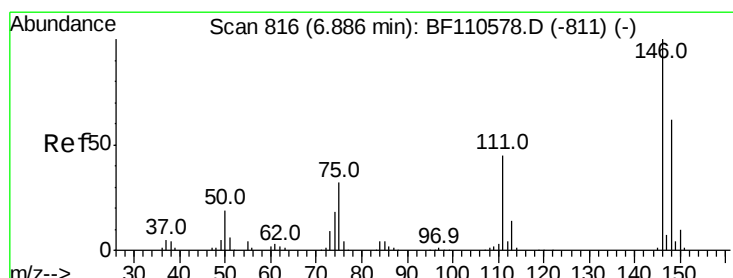
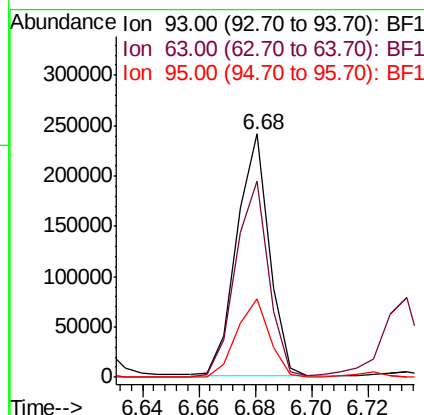
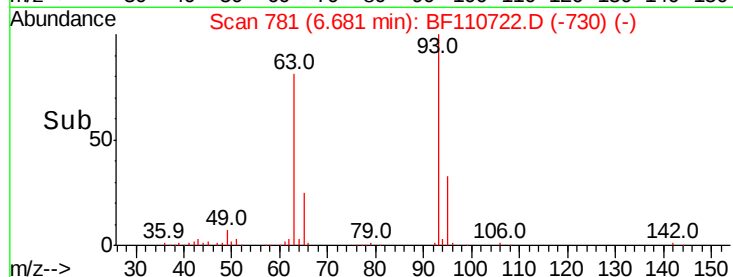
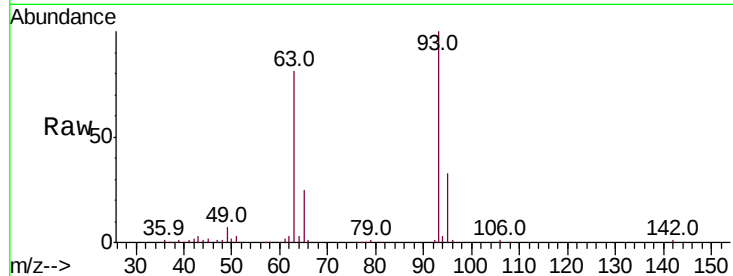
#11
bis(2-Chloroethyl)ether
Concen: 35.584 ng
RT: 6.68 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	80.6	53.4	93.4
95	32.5	12.1	52.1

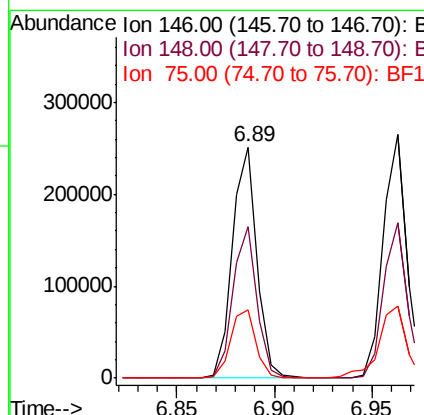
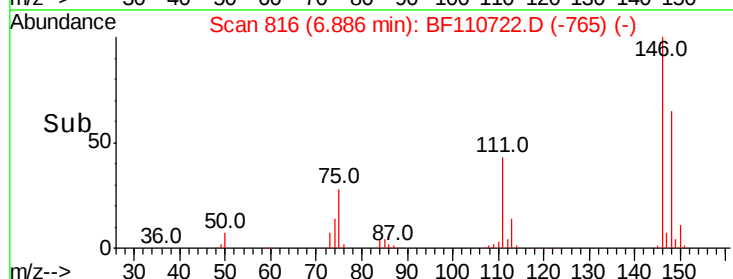
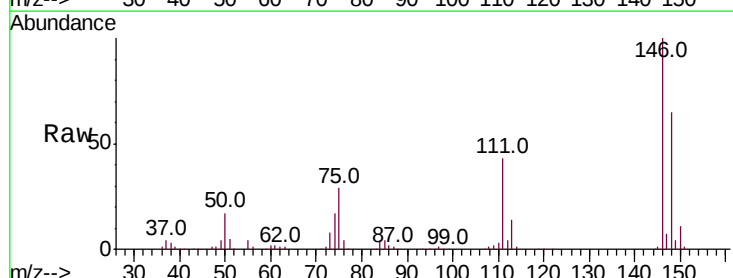
Manual Integrations
APPROVED

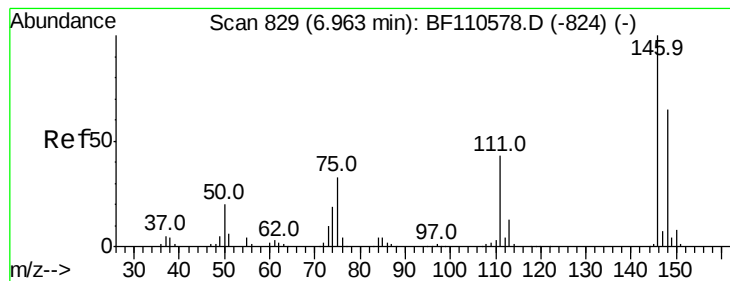
Sohil
11/14/2018 1:48:34 PM



#12
1,3-Dichlorobenzene
Concen: 34.984 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.4	75.6
75	29.3	25.8	38.6





#13

1,4-Dichlorobenzene

Concen: 35.261 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

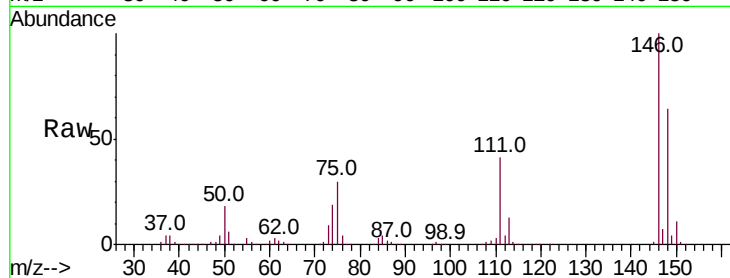
ClientSampled :

W-4-DMS

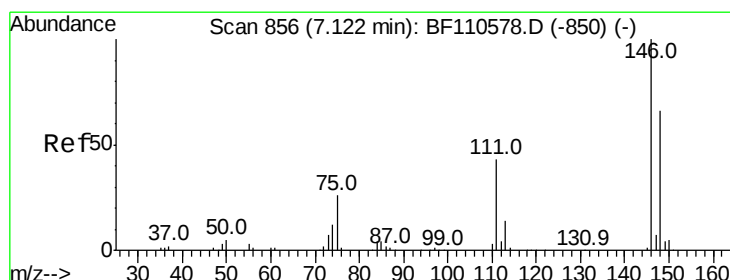
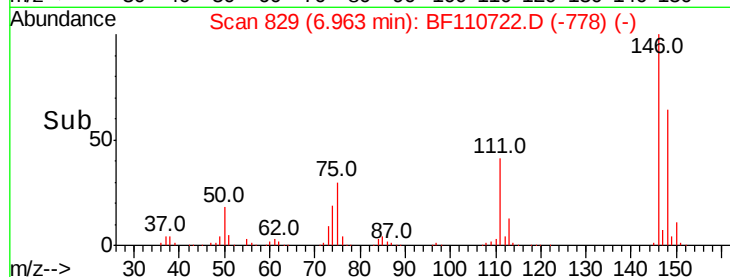
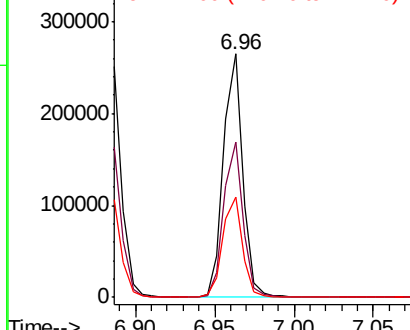
Tot Ion:	146	Resp:	223361
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.3	75.5
111	41.4	32.7	49.1

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 35.314 ng

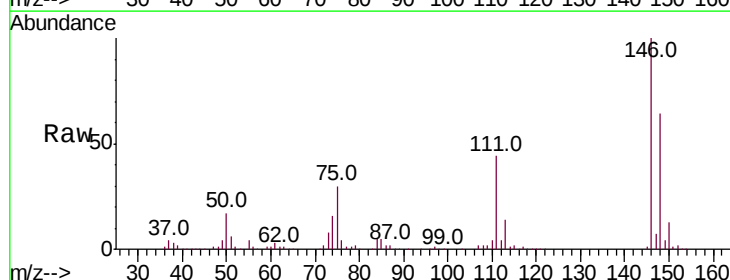
RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

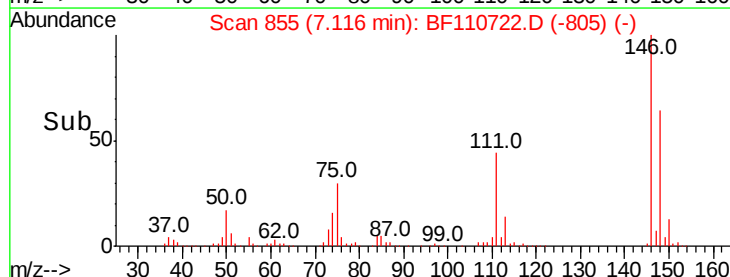
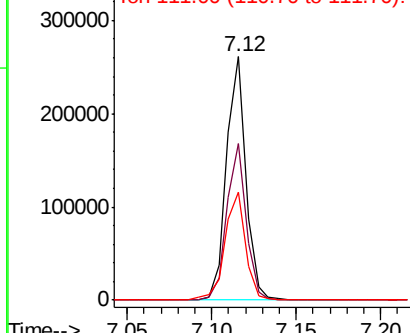
Lab File: BF110722.D

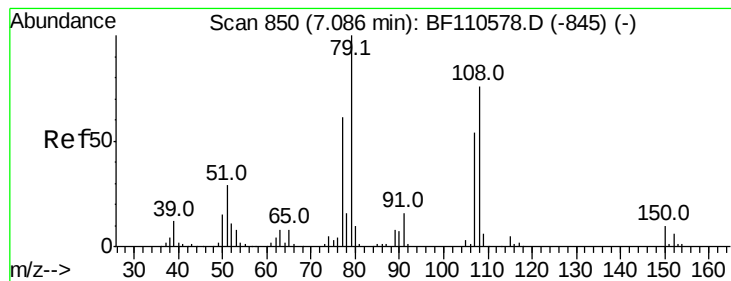
Acq: 13 Nov 2018 16:42

Tgt Ion:	146	Resp:	208101
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.1	76.7
111	44.3	35.8	53.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.061 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

ClientSampleId :

W-4-DMS

Tot Ion: 79 Resp: 185238

Ion Ratio Lower Upper

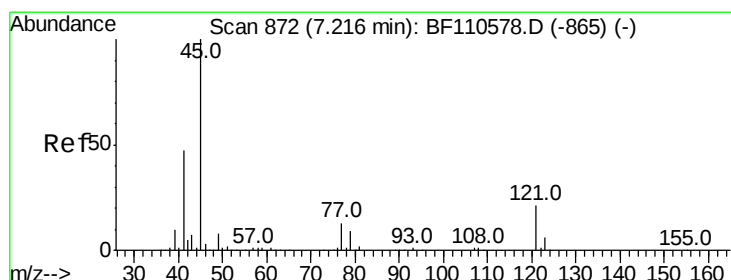
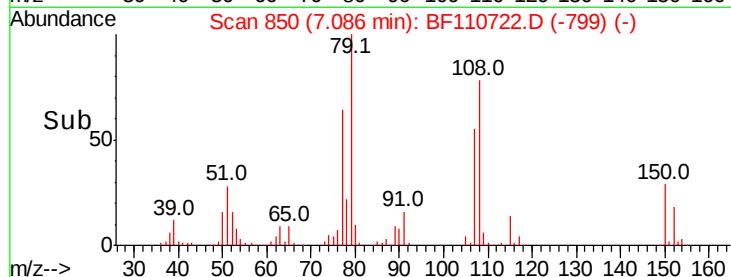
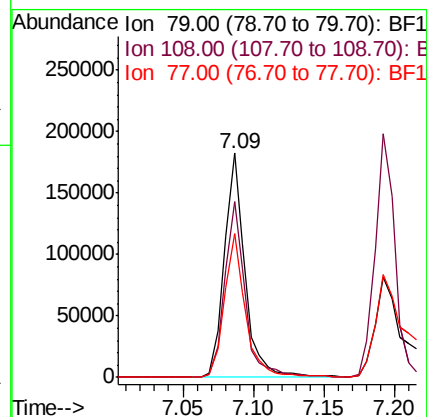
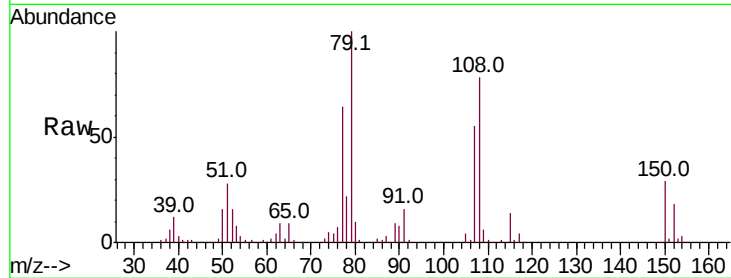
79 100

108 78.2 56.3 84.5

77 64.4 52.9 79.3

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.645 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

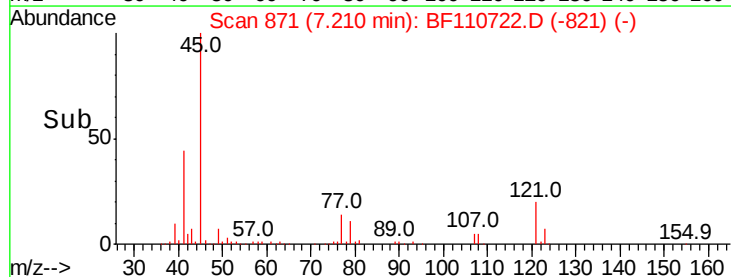
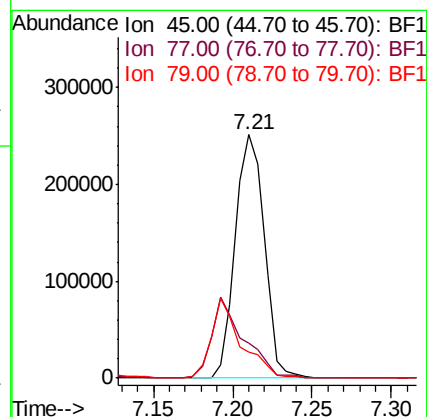
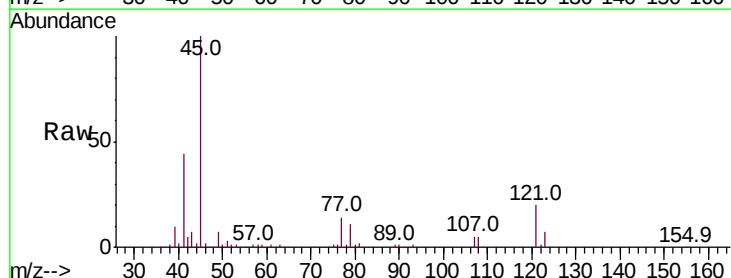
Tgt Ion: 45 Resp: 319496

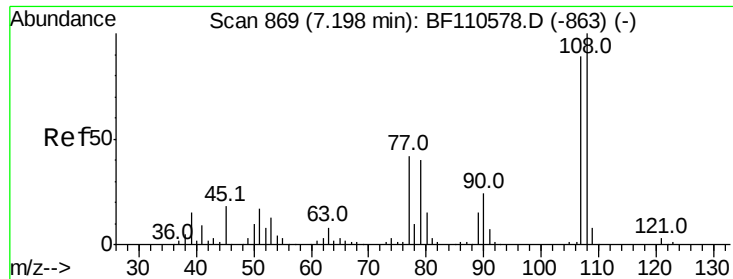
Ion Ratio Lower Upper

45 100

77 14.2 10.0 50.0

79 10.9 6.1 46.1





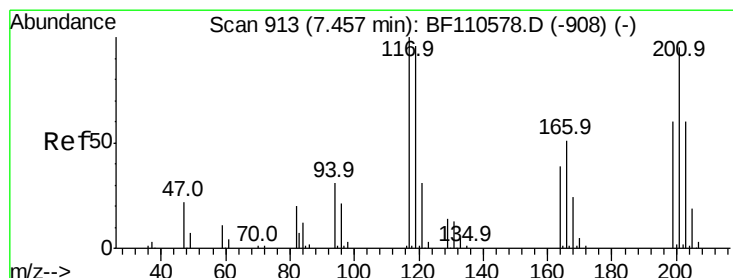
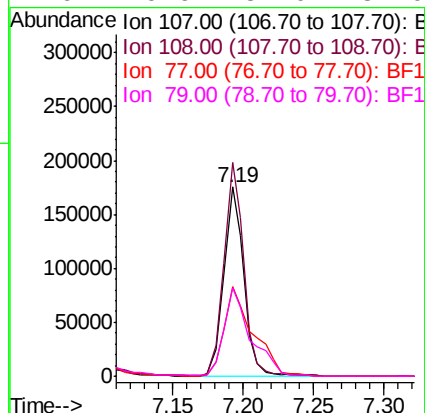
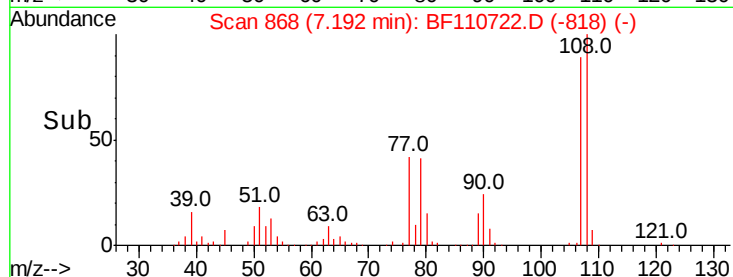
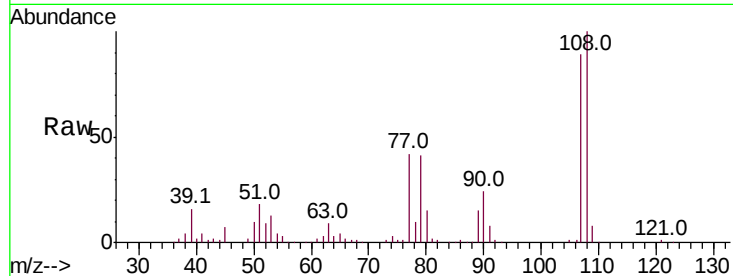
#17
2-Methylphenol
Concen: 37.936 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
107	100		
108	112.9	92.6	138.8
77	47.6	59.4	89.2#
79	46.6	54.0	81.0#

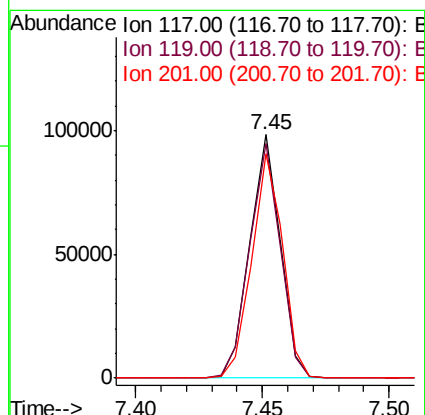
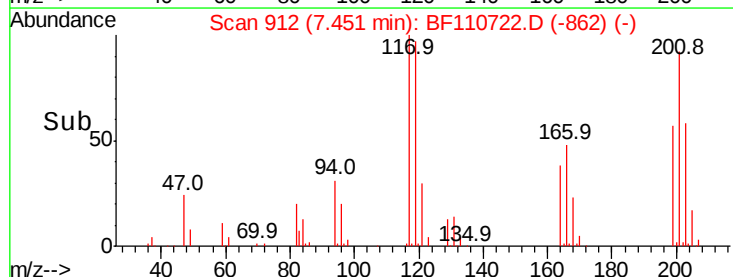
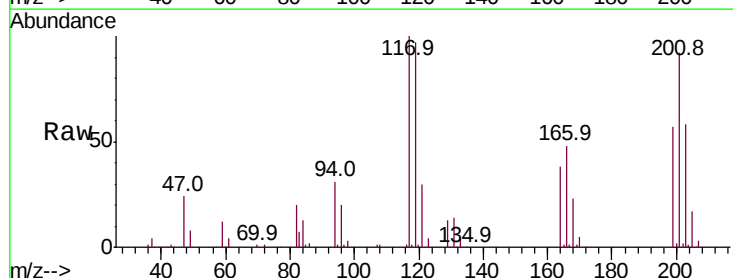
Manual Integrations
APPROVED

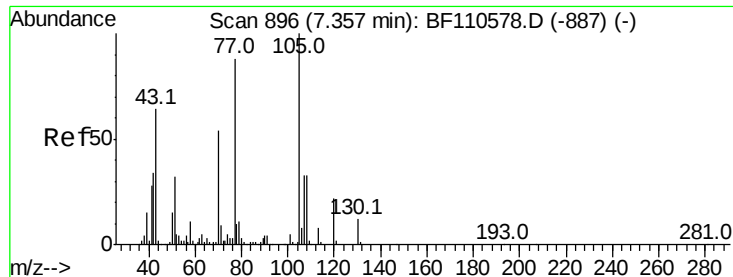
Sohil
11/14/2018 1:48:34 PM



#18
Hexachloroethane
Concen: 35.379 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.0	112.6
201	91.9	79.2	118.8





#19

n-Nitroso-di-n-propylamine

Concen: 37.231 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

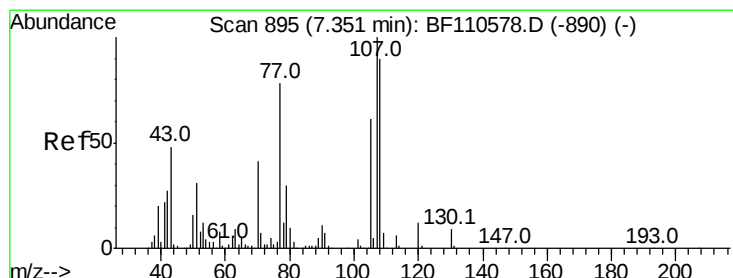
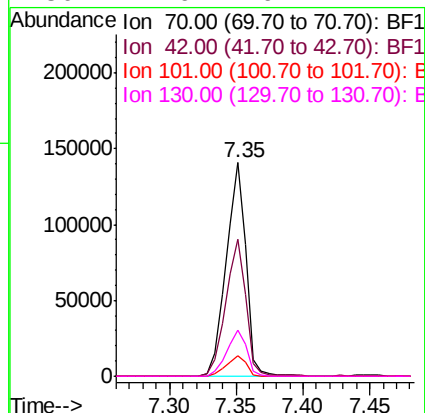
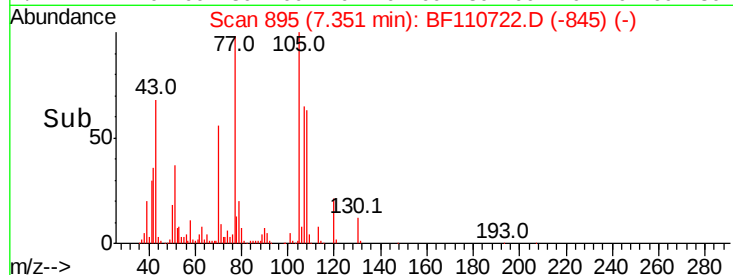
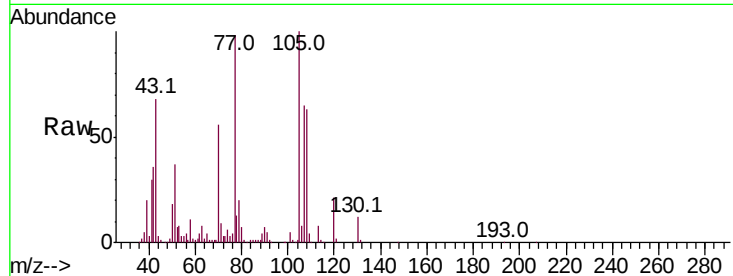
ClientSampleId :

W-4-DMS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	64.2	47.4	71.2	
101	9.7	7.3	10.9	
130	21.6	16.2	24.2	

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#20

3+4-Methylphenols

Concen: 38.297 ng

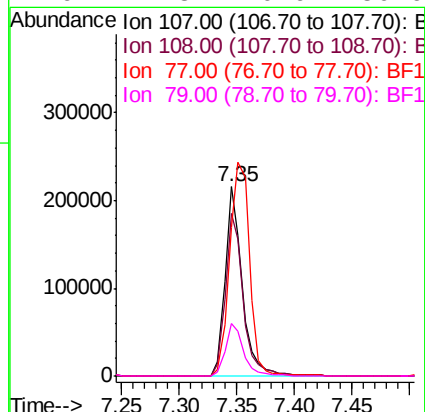
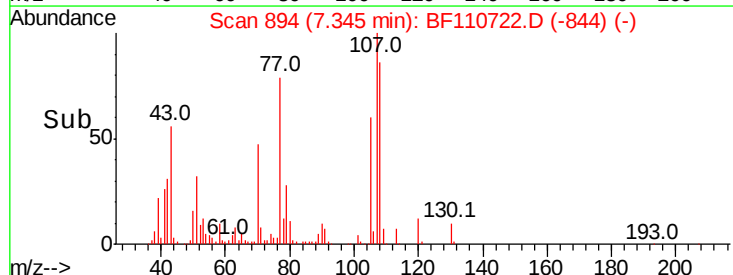
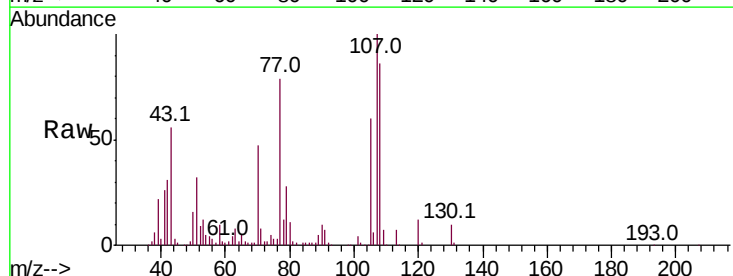
RT: 7.35 min Scan# 894

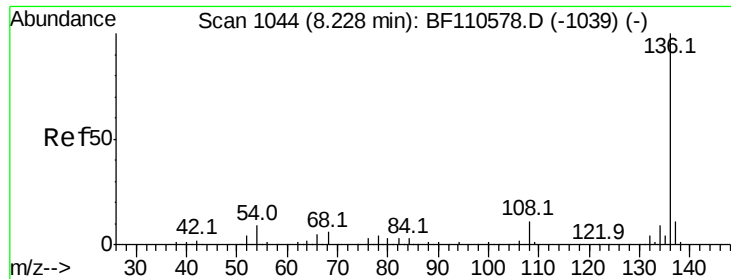
Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.9	71.4	111.4	
77	78.5	47.3	87.3	
79	27.8	10.9	50.9	





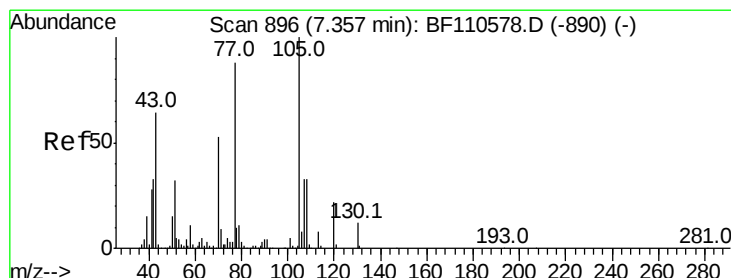
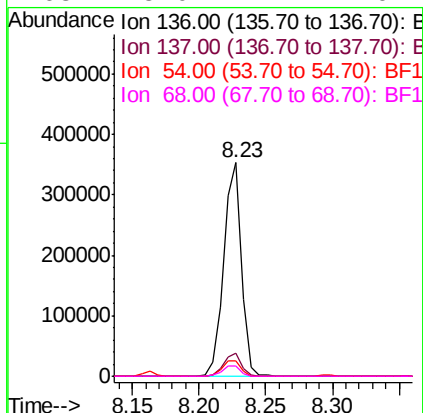
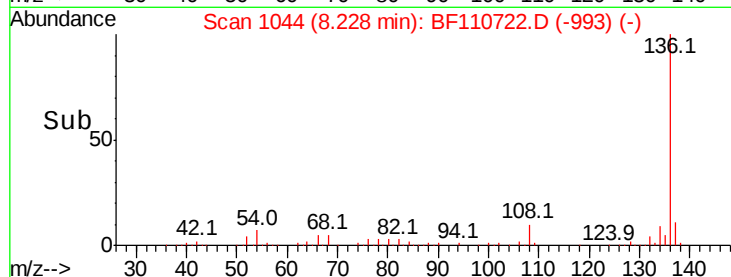
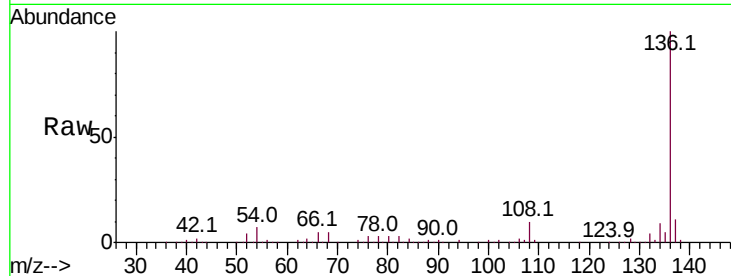
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampled :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.8	13.2	
54	7.3	5.4	8.2	
68	5.0	4.2	6.2	

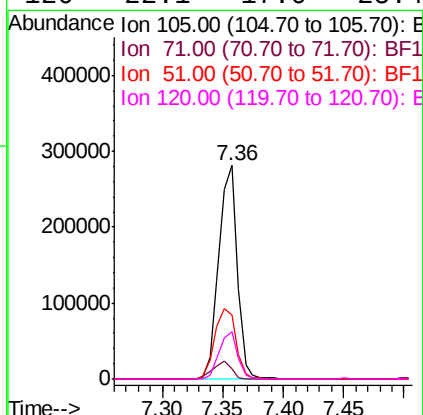
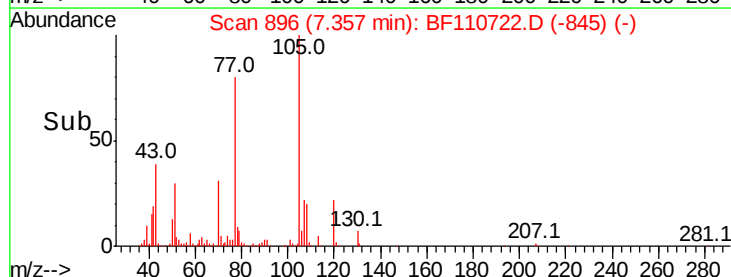
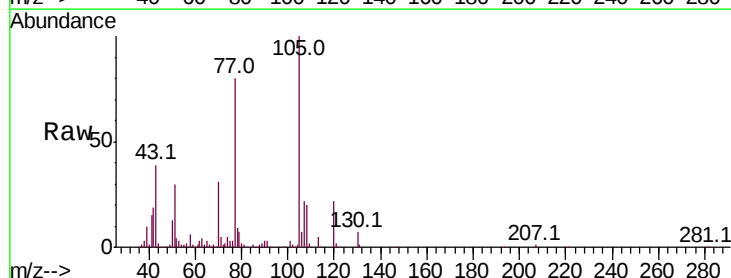
Manual Integrations
APPROVED

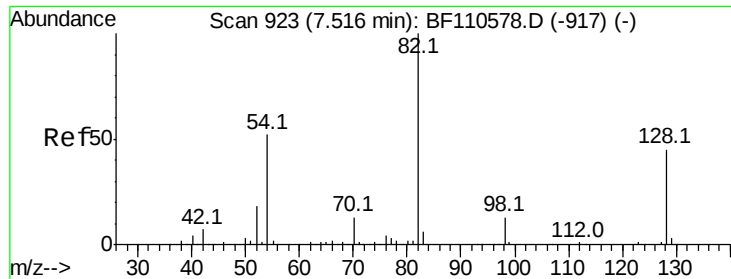
Sohil
11/14/2018 1:48:34 PM



#22
Acetophenone
Concen: 38.437 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.0	5.2	7.8#	
51	29.8	21.8	32.8	
120	22.1	17.0	25.4	





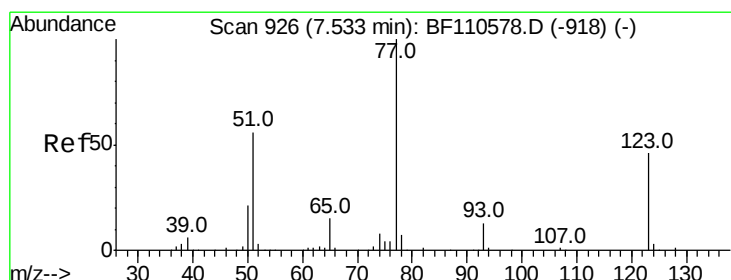
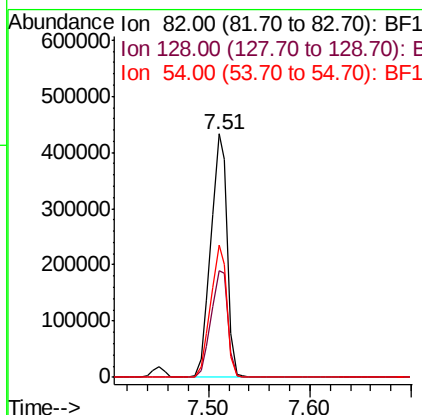
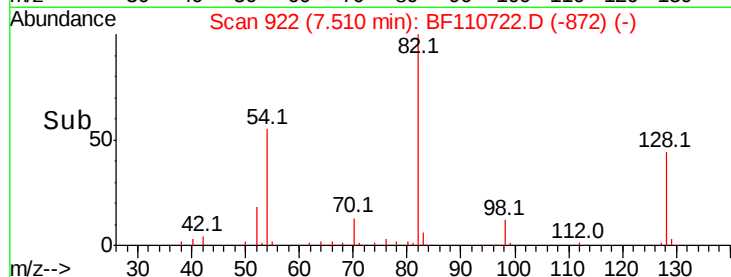
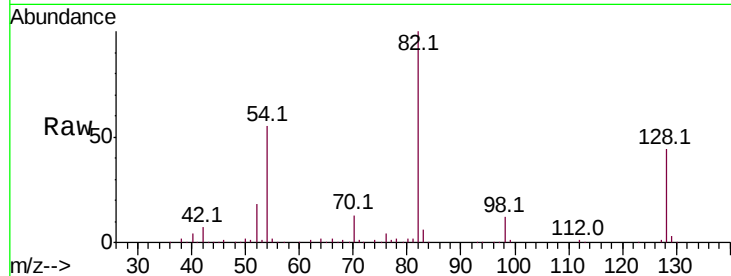
#23
Nitrobenzene-d5
Concen: 84.388 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampled :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.2	51.2
54	54.5	38.6	58.0

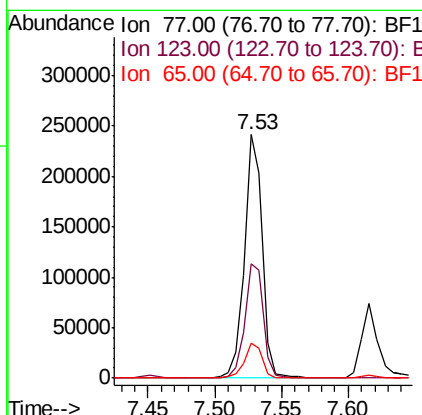
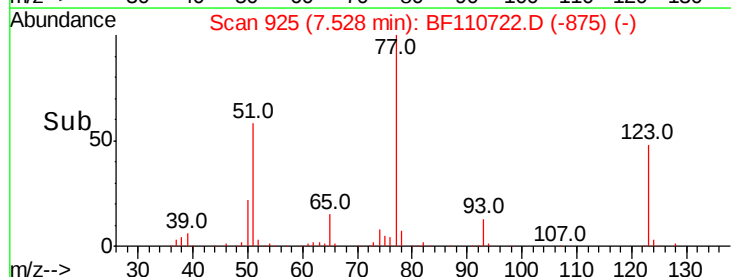
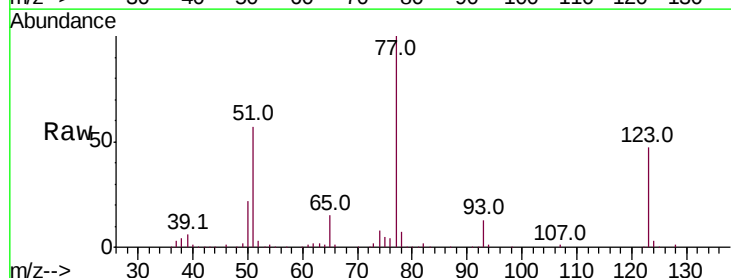
Manual Integrations
APPROVED

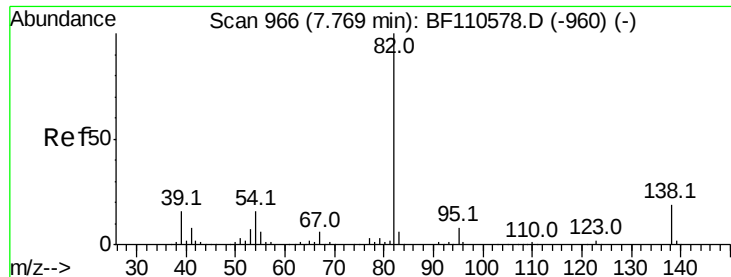
Sohil
11/14/2018 1:48:34 PM



#24
Nitrobenzene
Concen: 37.616 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.2	35.7	53.5
65	14.5	10.7	16.1





#25

Isophorone

Concen: 43.408 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

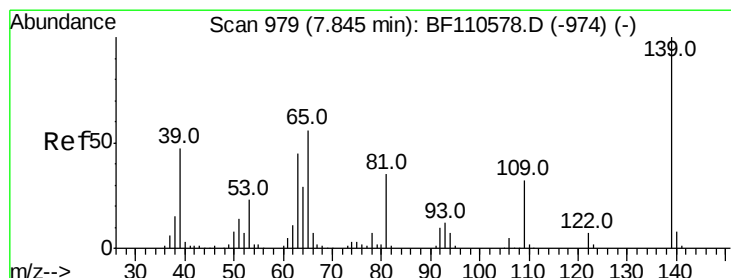
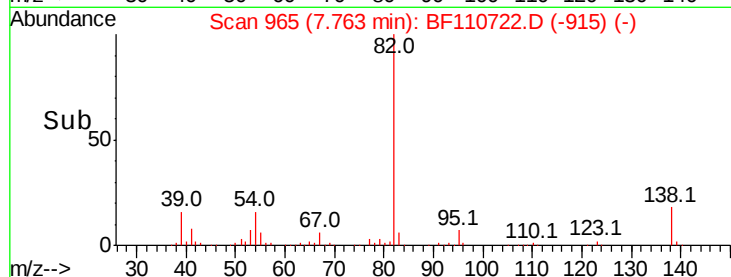
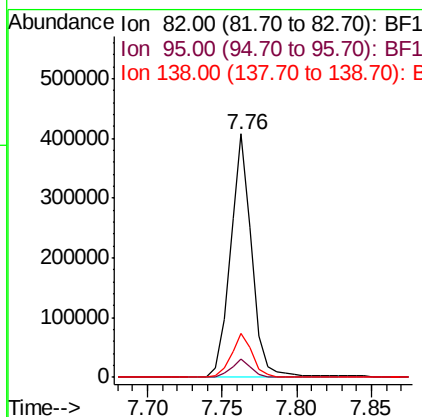
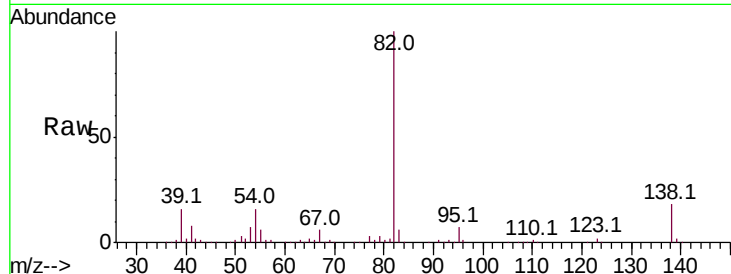
ClientSampleId :

W-4-DMS

Tot Ion:	82	Resp:	409843
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.7	8.5
138	17.8	13.2	19.8

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#26

2-Nitrophenol

Concen: 38.245 ng

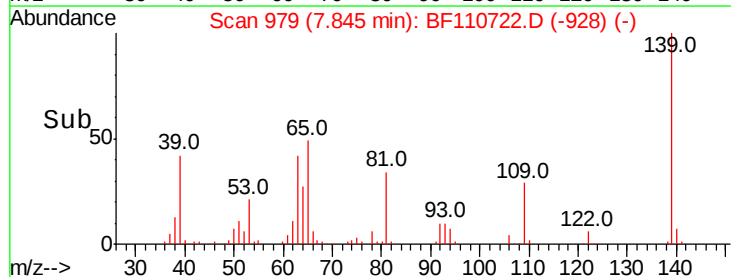
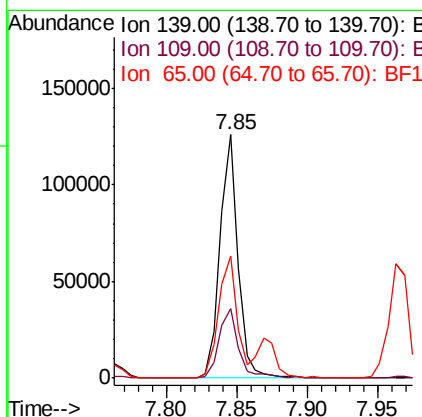
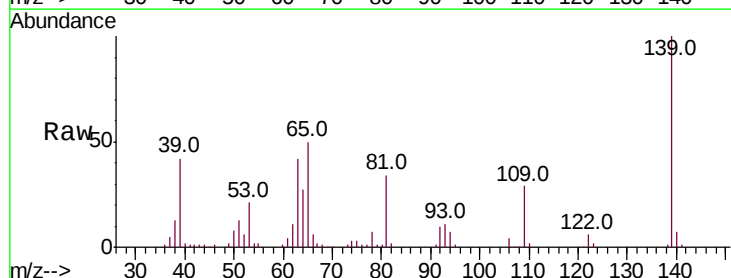
RT: 7.85 min Scan# 979

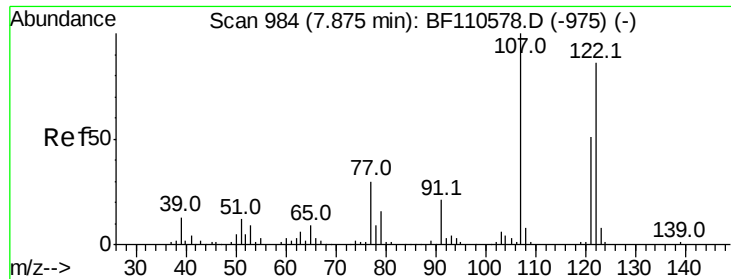
Delta R.T. 0.00 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion:	139	Resp:	112607
Ion Ratio	Lower	Upper	
139	100		
109	28.7	25.0	37.6
65	50.2	44.0	66.0





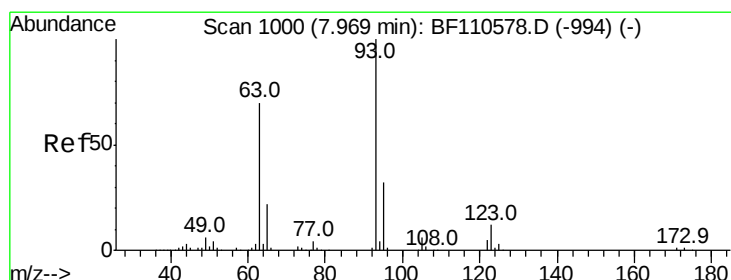
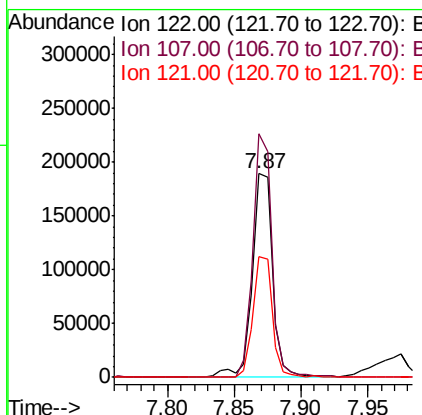
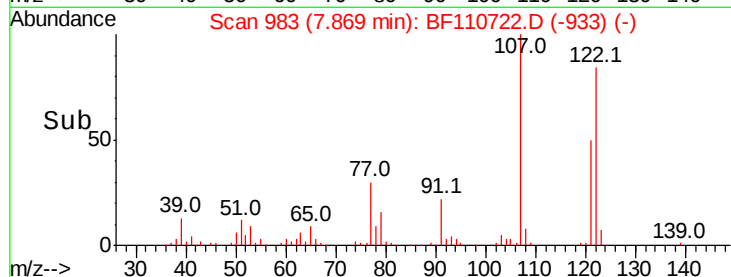
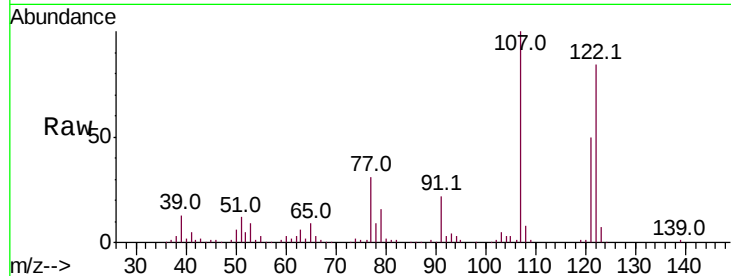
#27
2,4-Dimethylphenol
Concen: 43.819 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		196490		
107	119.7	92.5	138.7		
121	59.5	45.8	68.8		

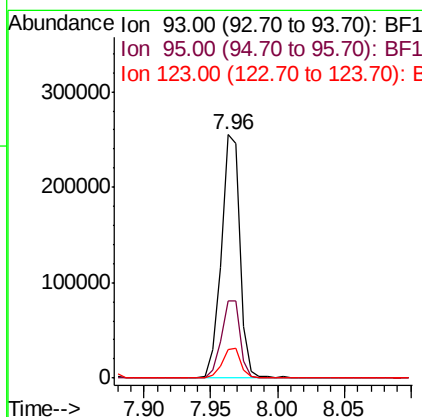
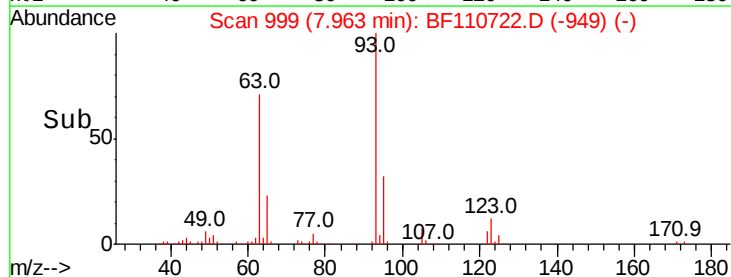
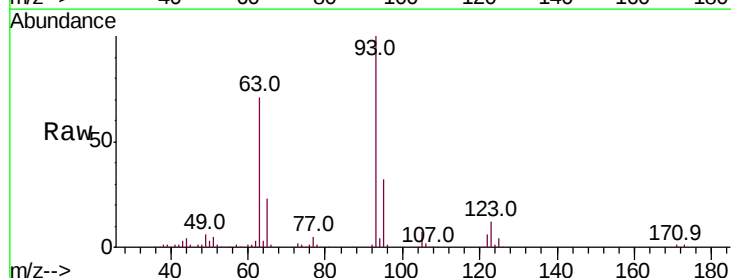
Manual Integrations
APPROVED

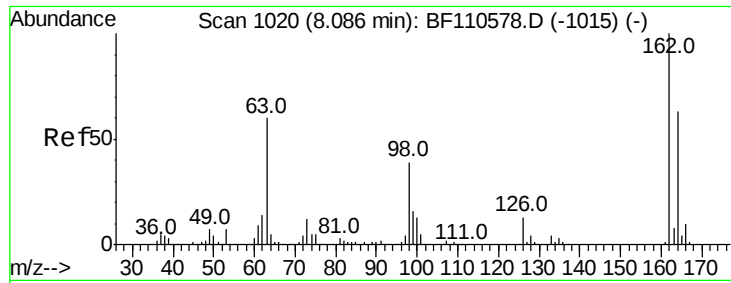
Sohil
11/14/2018 1:48:34 PM



#28
bis(2-Chloroethoxy)methane
Concen: 39.581 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		253029		
95	31.8	26.4	39.6		
123	11.5	9.0	13.6		





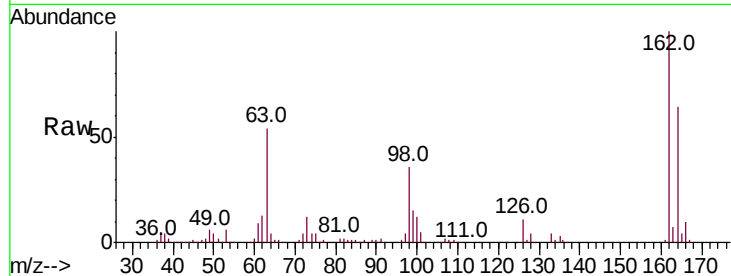
#29
 2,4-Dichlorophenol
 Concen: 39.030 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	180087		
164	64.0		44.6	84.6
98	35.8		17.4	57.4

Manual Integrations
 APPROVED

Sohil
 11/14/2018 1:48:34 PM

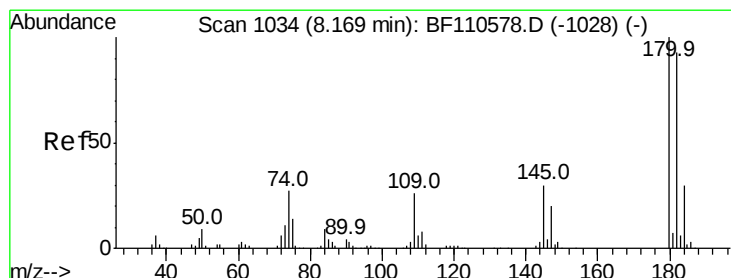
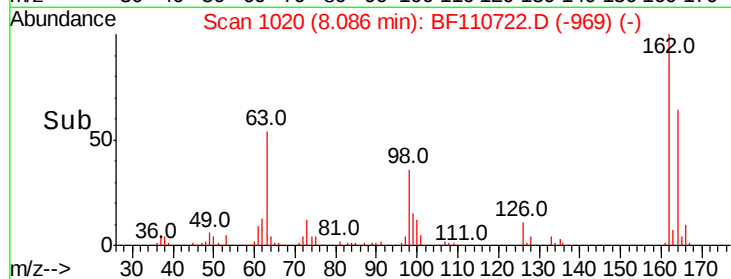
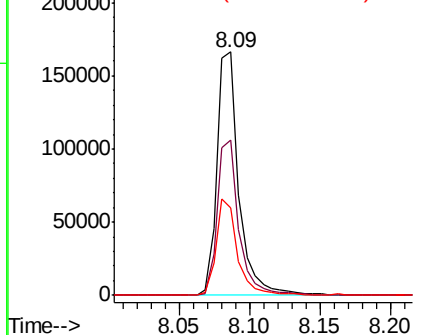


Abundance

Ion 162.00 (161.70 to 162.70): E

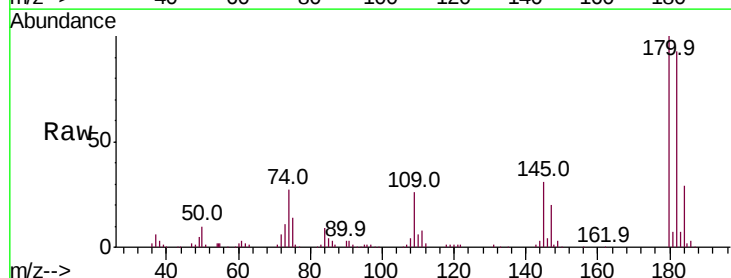
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 36.511 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	189937		
182	92.6		80.3	120.5
145	31.5		25.4	38.0

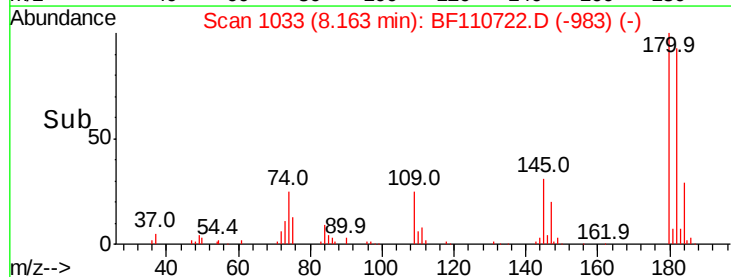
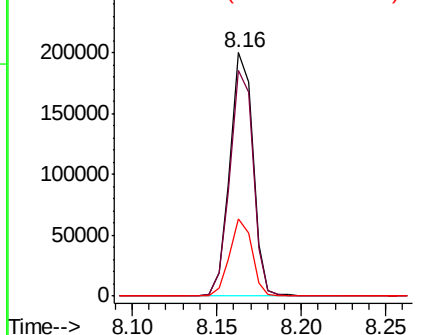


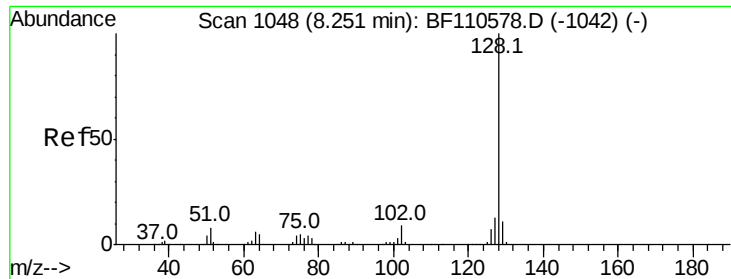
Abundance

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





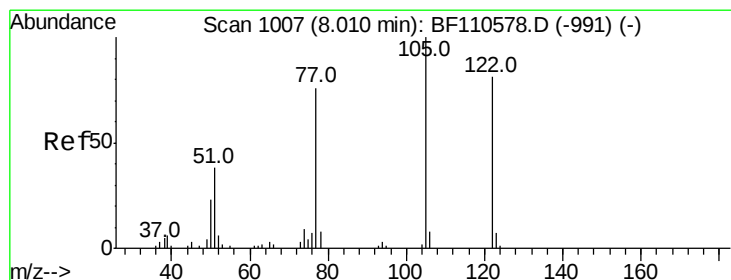
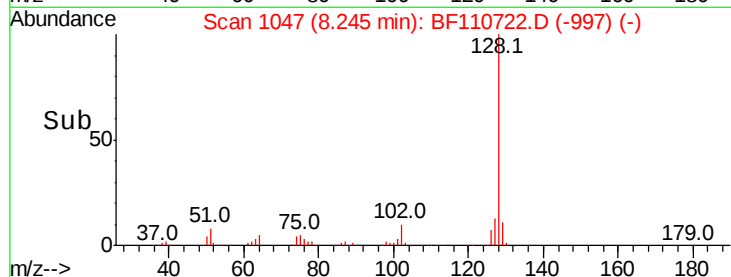
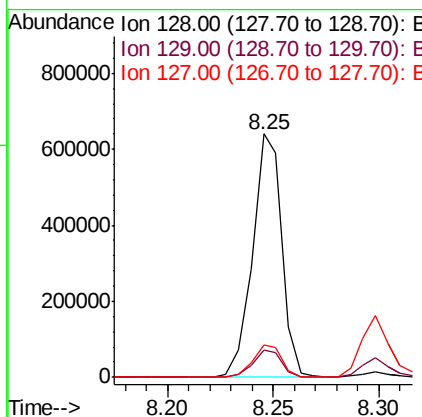
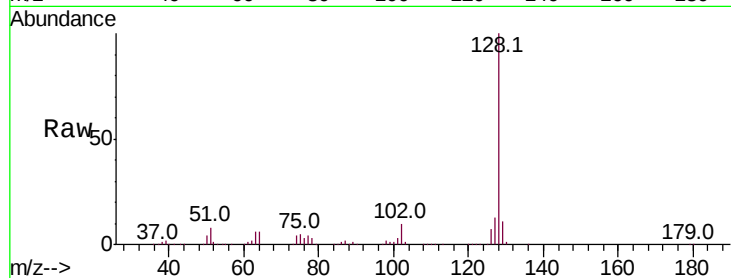
#31
Naphthalene
Concen: 39.665 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	617739		
129	11.2		8.8	13.2
127	13.2		10.8	16.2

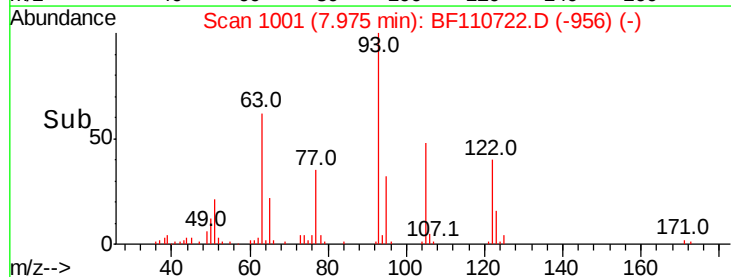
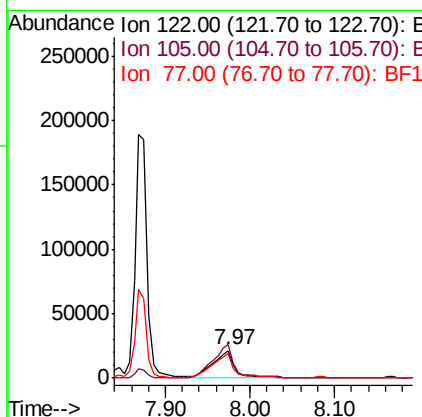
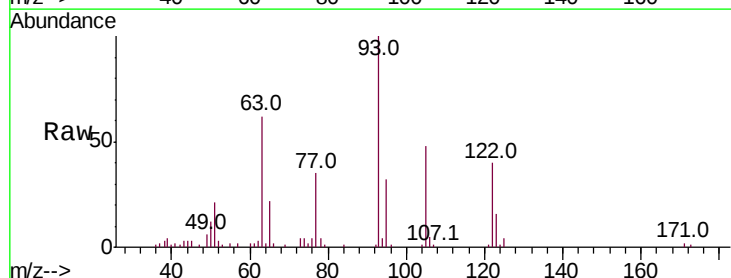
Manual Integrations
APPROVED

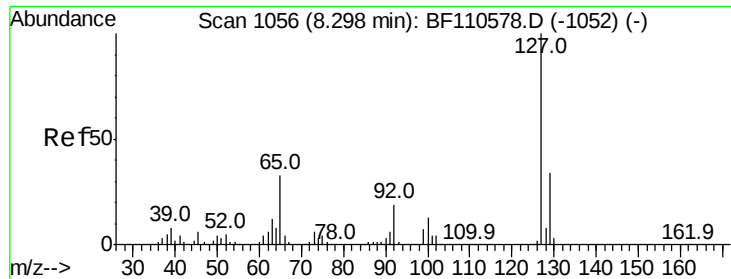
Sohil
11/14/2018 1:48:34 PM



#32
Benzoic acid
Concen: 13.169 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.04 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	41781		
105	121.3		109.0	149.0
77	89.6		79.0	119.0





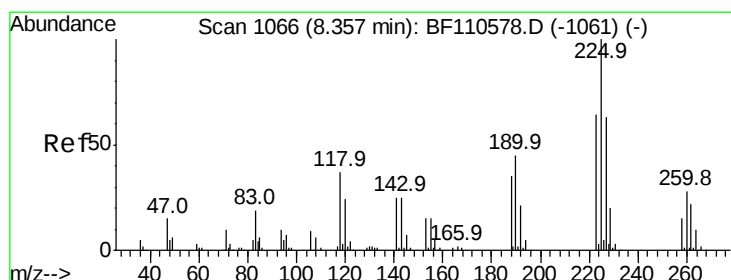
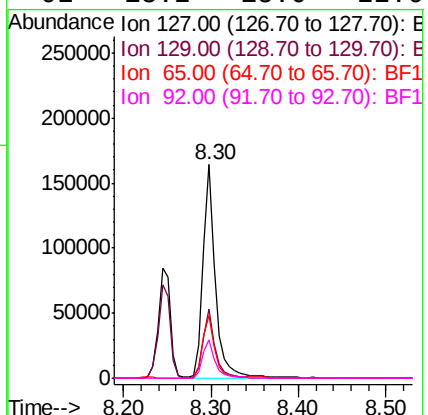
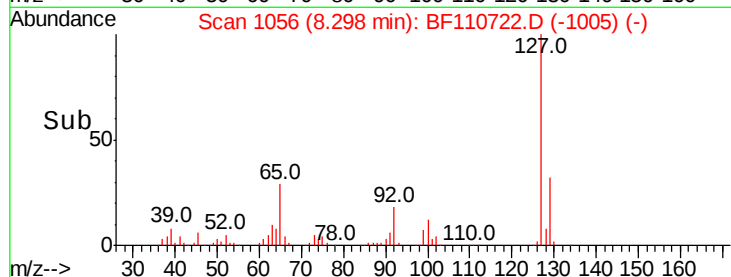
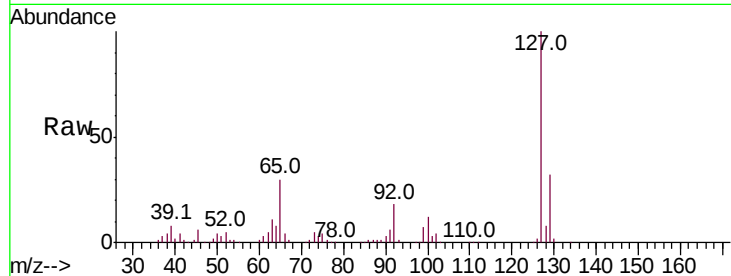
#33
4-Chloroaniline
Concen: 23.383 ng
RT: 8.30 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.4	26.0	39.0	
65	29.7	25.1	37.7	
92	18.2	15.0	22.6	

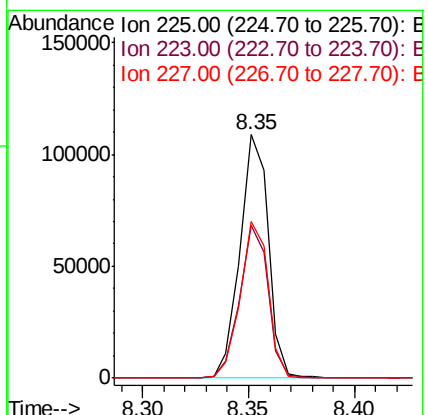
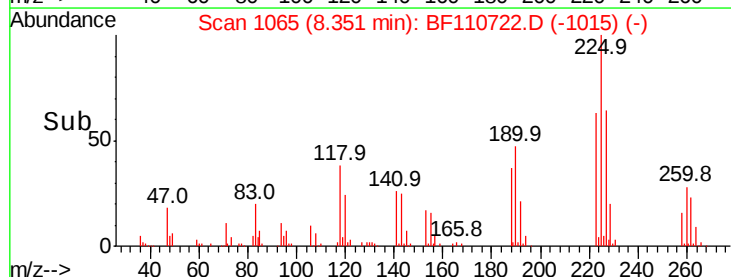
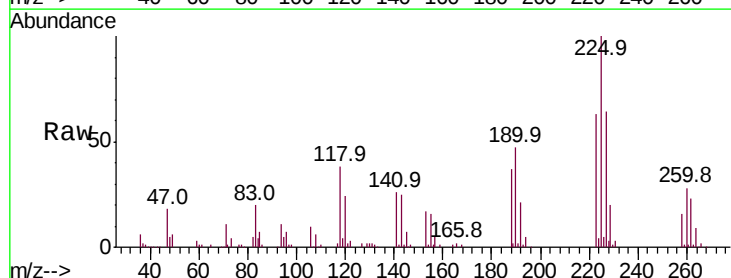
Manual Integrations
APPROVED

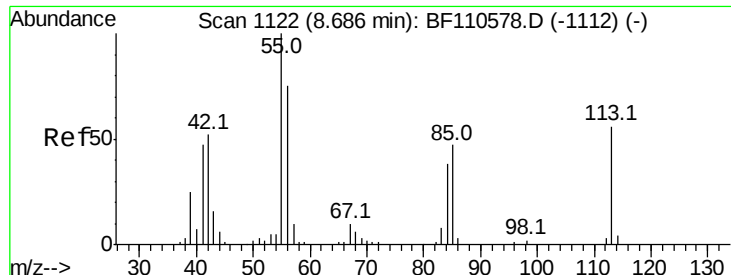
Sohil
11/14/2018 1:48:34 PM



#34
Hexachlorobutadiene
Concen: 34.074 ng
RT: 8.35 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	51.4	77.2	
227	64.4	51.0	76.6	





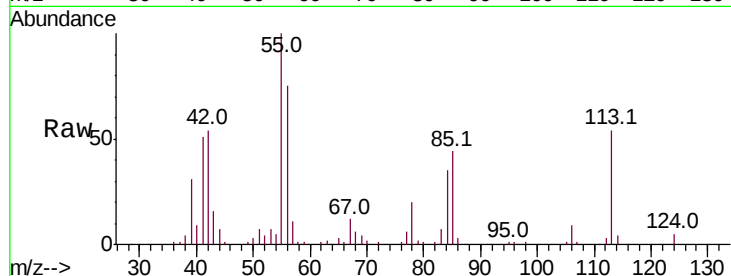
#35
 Caprolactam
 Concen: 40.319 ng/ml
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampleID :
 W-4-DMS

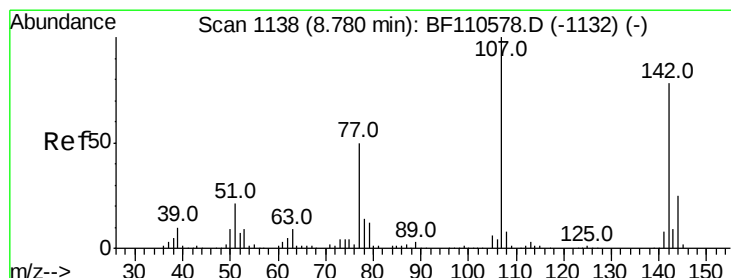
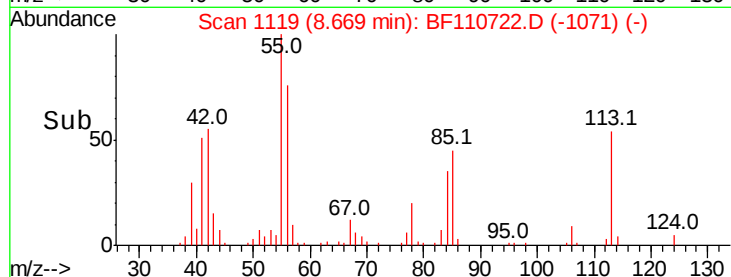
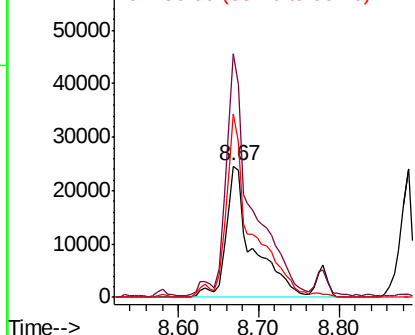
Tot Ion:113 Resp: 62154
 Ion Ratio Lower Upper
 113 100
 55 185.8 142.8 182.8#
 56 139.9 105.0 145.0

Manual Integrations
 APPROVED

Sohil
 11/14/2018 1:48:34 PM

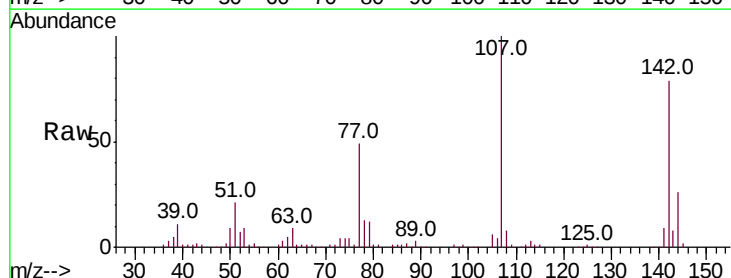


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

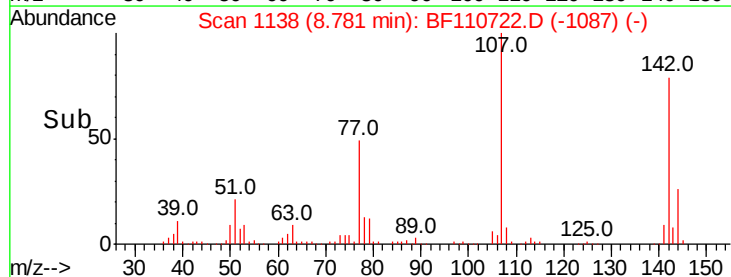
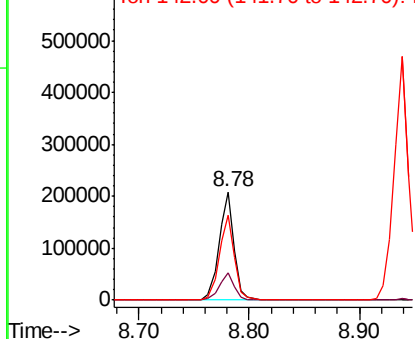


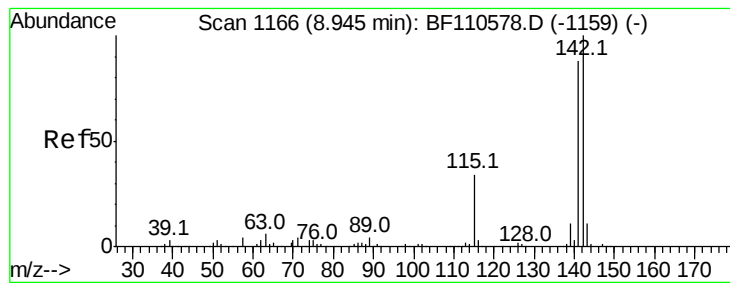
#36
 4-Chloro-3-methylphenol
 Concen: 38.969 ng/ml
 RT: 8.78 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion:107 Resp: 193915
 Ion Ratio Lower Upper
 107 100
 144 25.7 20.0 30.0
 142 78.7 59.7 89.5



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





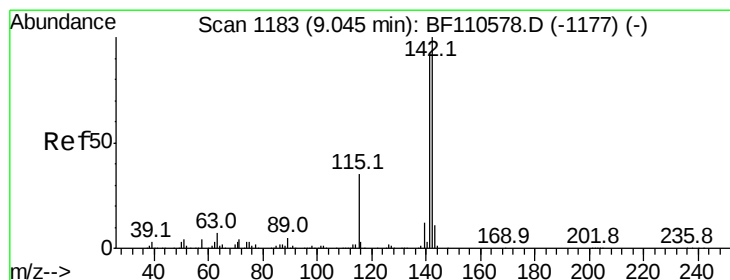
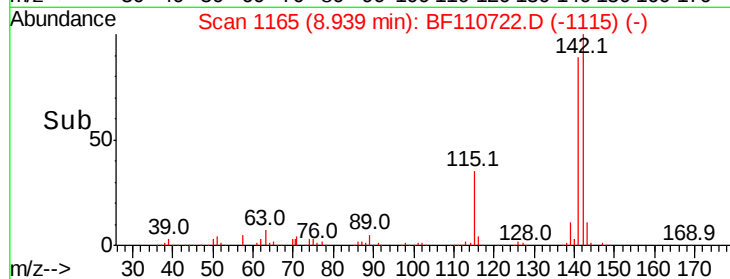
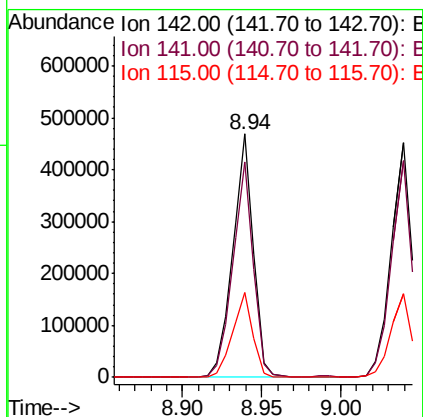
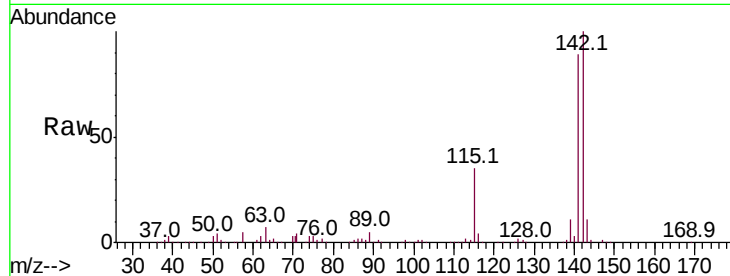
#37
2-Methylnaphthalene
Concen: 41.327 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.4	107.2
115	34.7	28.7	43.1

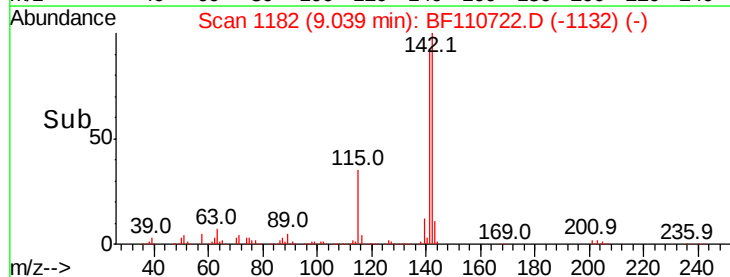
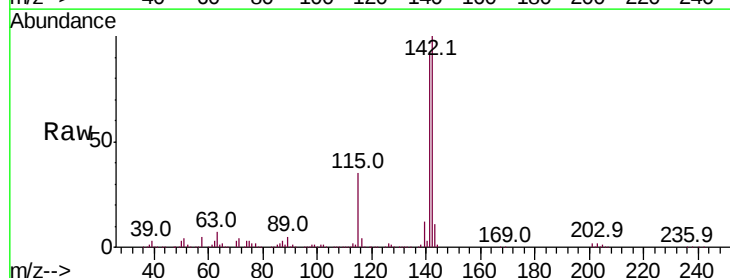
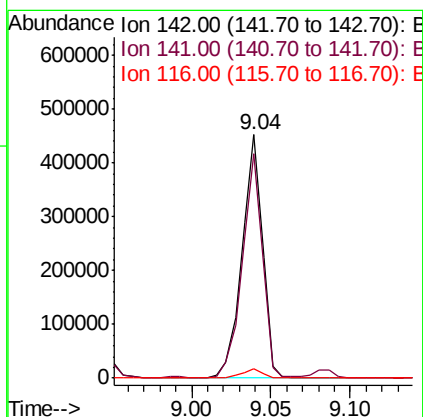
Manual Integrations
APPROVED

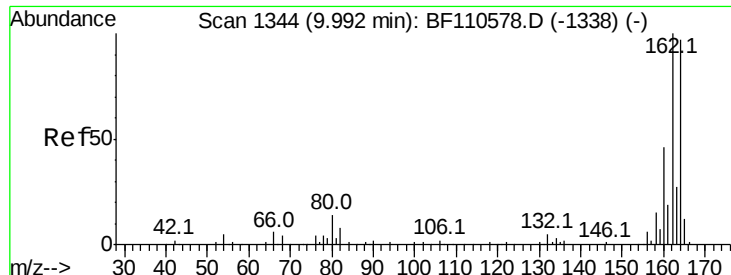
Sohil
11/14/2018 1:48:34 PM



#38
1-Methylnaphthalene
Concen: 40.973 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.2	111.4
116	3.7	2.6	4.0





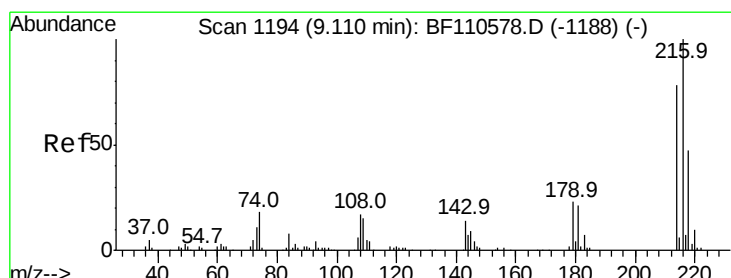
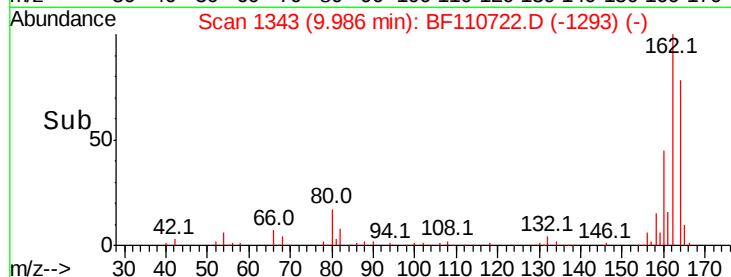
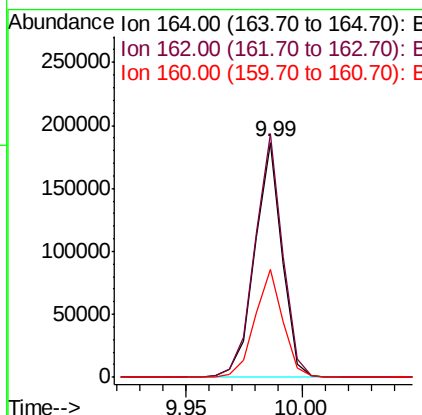
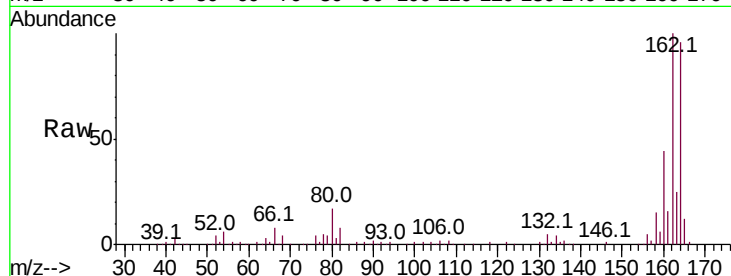
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	83.0	124.6	
160	46.1	37.0	55.6	

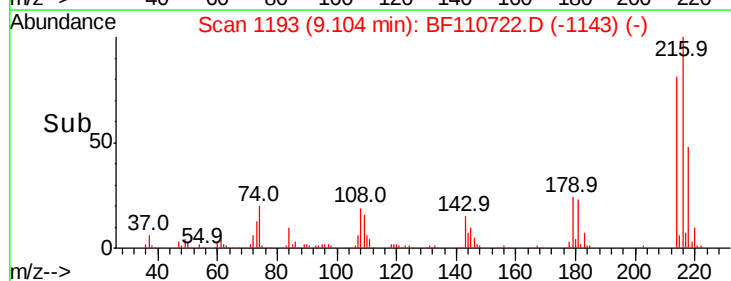
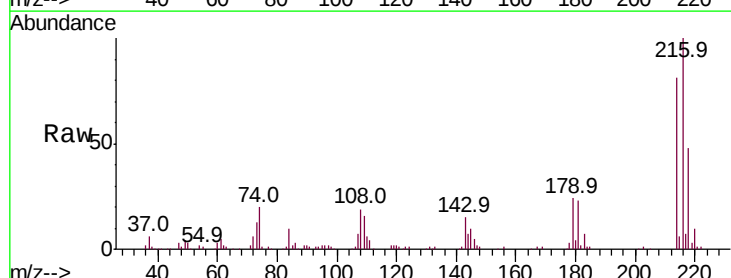
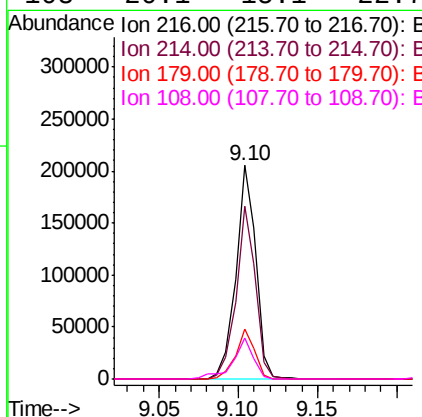
Manual Integrations
APPROVED

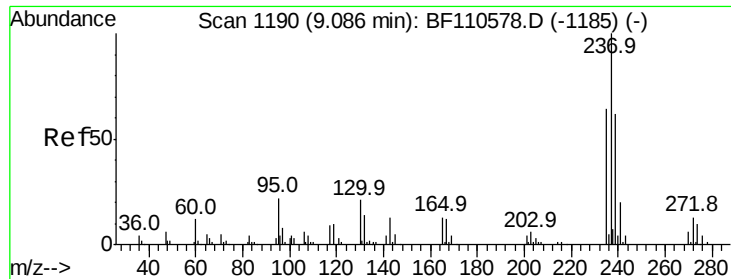
Sohil
11/14/2018 1:48:34 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.664 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.3	63.8	95.6	
179	22.3	16.6	25.0	
108	20.1	15.1	22.7	





#41

Hexachlorocyclopentadiene

Concen: 53.719 ng

RT: 9.09 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

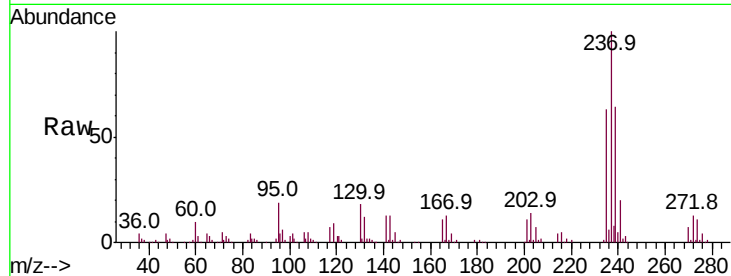
ClientSampled :

W-4-DMS

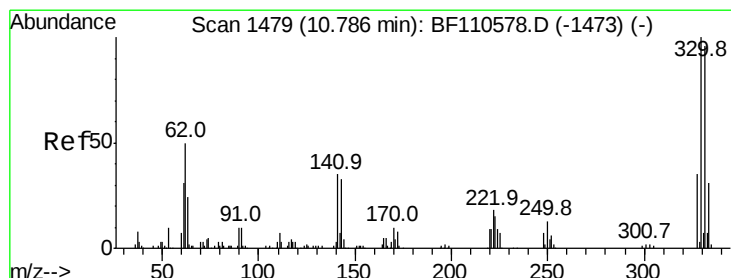
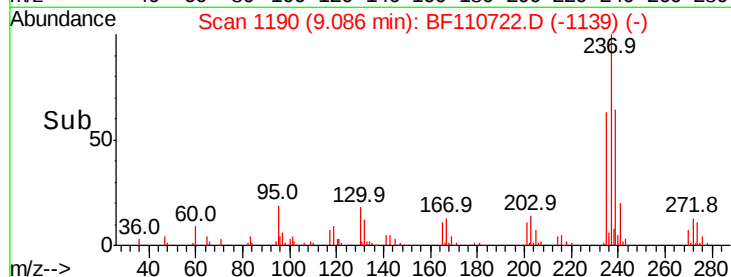
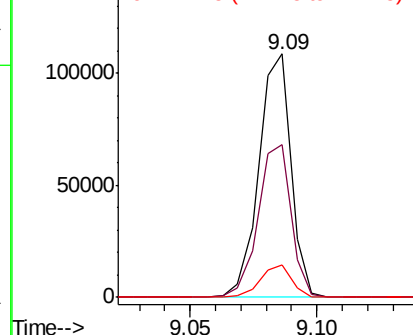
Tot Ion:	237	Resp:	96713
Ion Ratio	Lower	Upper	
237	100		
235	62.7	43.1	83.1
272	13.4	0.0	32.6

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



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



#42

2,4,6-Tribromophenol

Concen: 116.254 ng

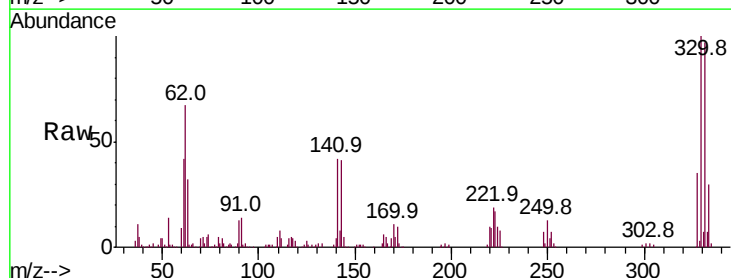
RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

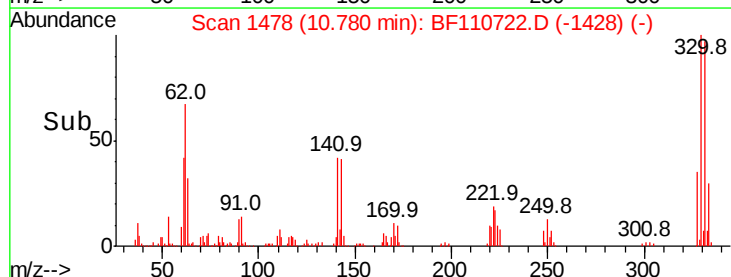
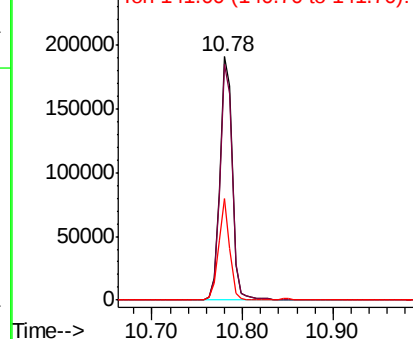
Lab File: BF110722.D

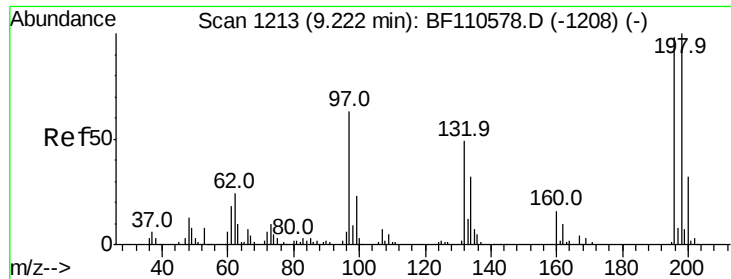
Acq: 13 Nov 2018 16:42

Tgt Ion:	330	Resp:	180199
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.1	115.7
141	37.4	27.0	40.4



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





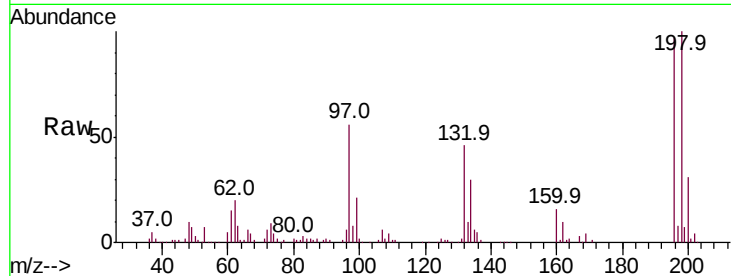
#43
 2,4,6-Trichlorophenol
 Concen: 39.965 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	122288		
198	102.9	76.2	114.4	
200	32.2	24.4	36.6	

Manual Integrations
 APPROVED

Sohil
 11/14/2018 1:48:34 PM

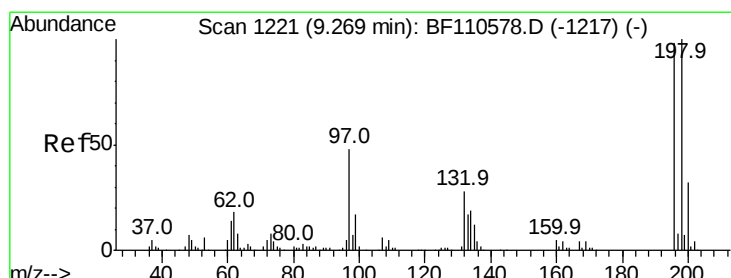
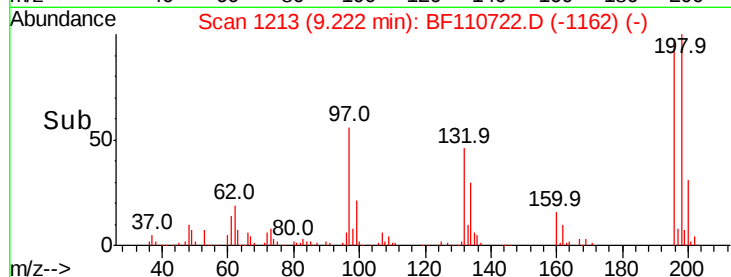
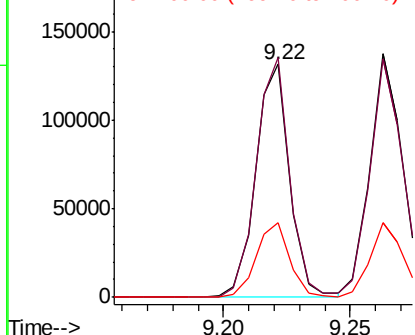


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 40.168 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	131107		
198	98.2	75.8	113.6	
97	55.5	42.4	63.6	
132	31.2	22.8	34.2	

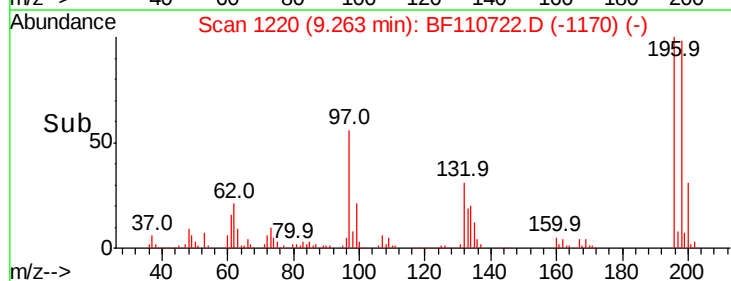
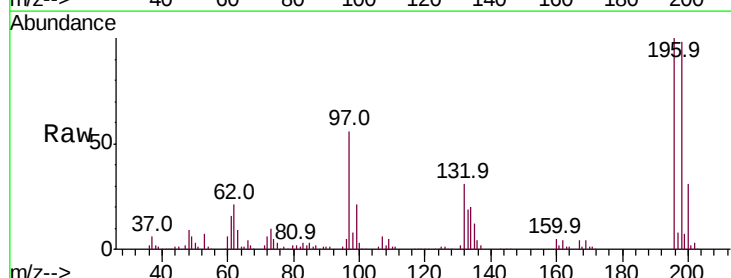
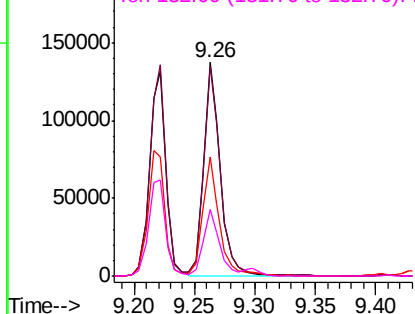
Abundance

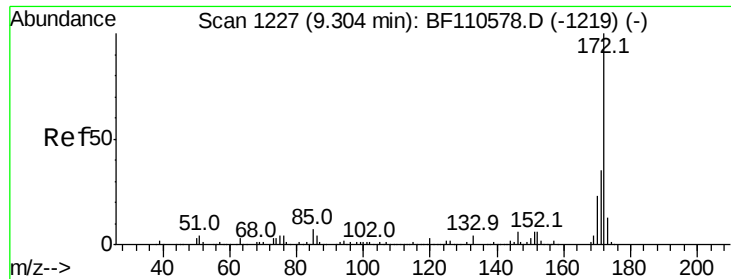
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





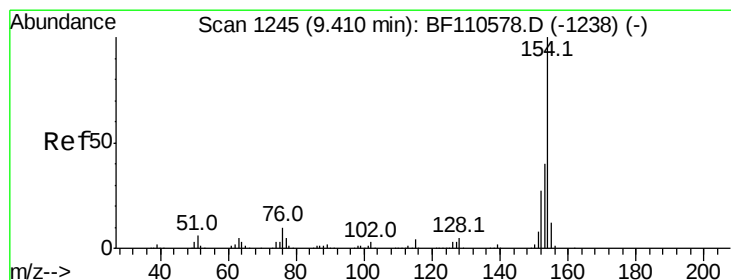
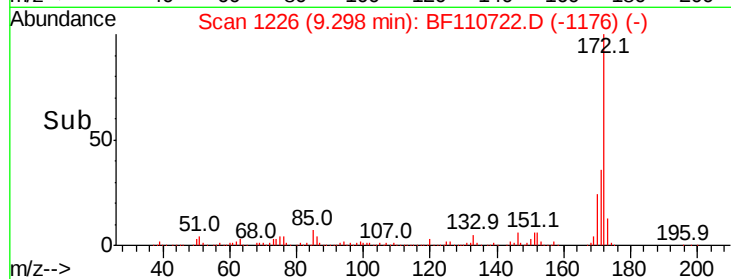
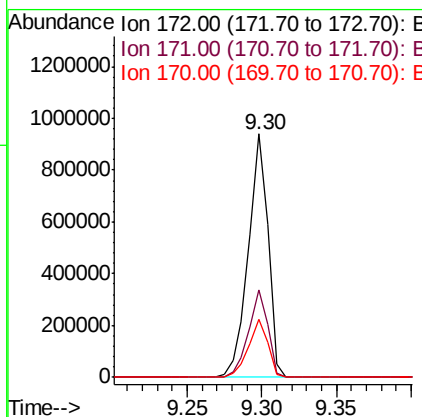
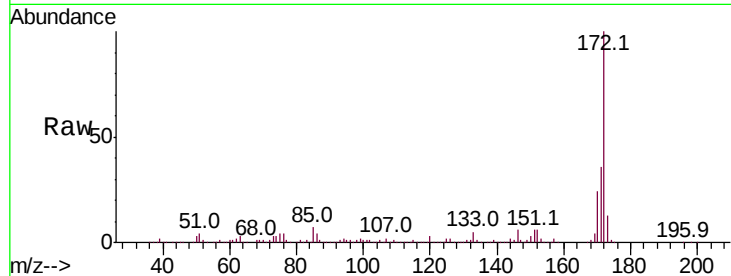
#45
2-Fluorobiphenyl
Concen: 79.522 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.0	19.7	29.5

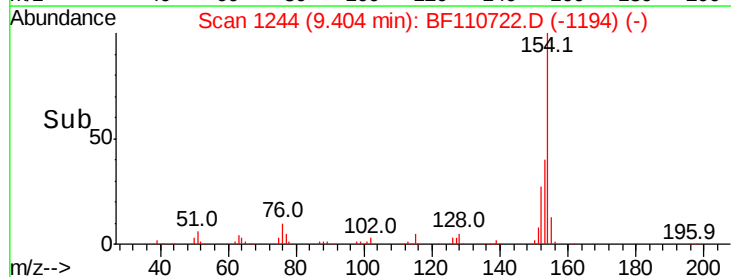
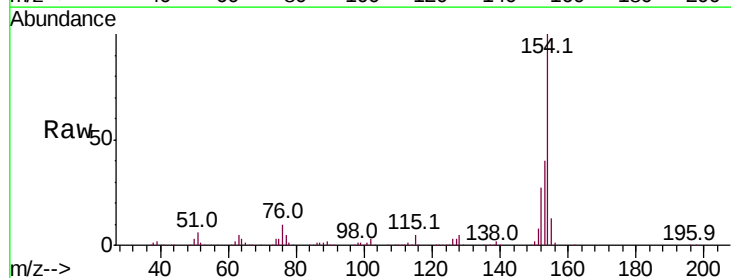
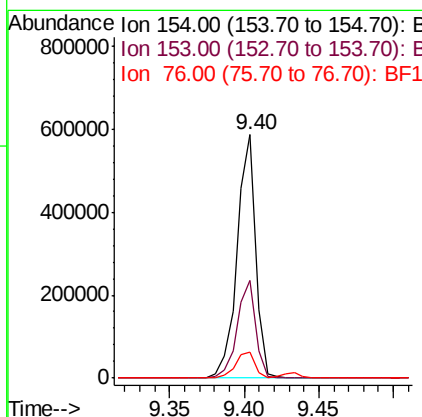
Manual Integrations
APPROVED

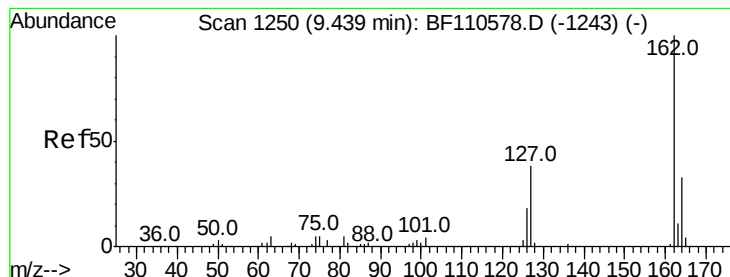
Sohil
11/14/2018 1:48:34 PM



#46
1,1'-Biphenyl
Concen: 35.693 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.4	60.4
76	10.4	0.0	31.9





#47

2-Chloronaphthalene

Concen: 37.668 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

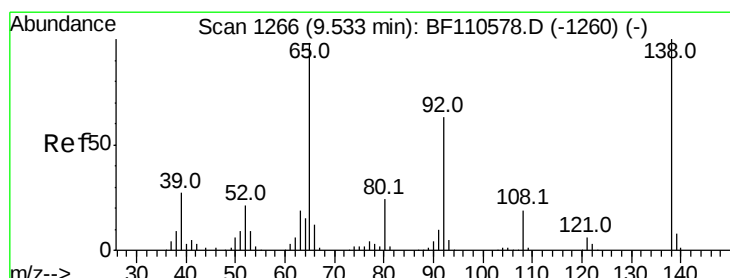
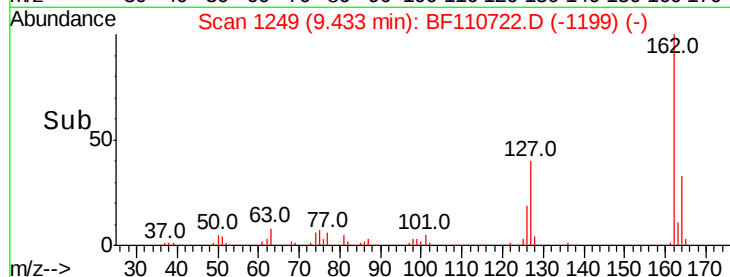
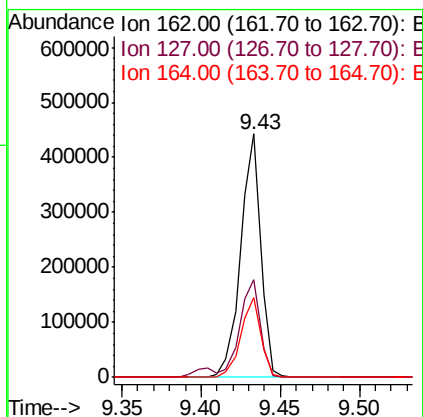
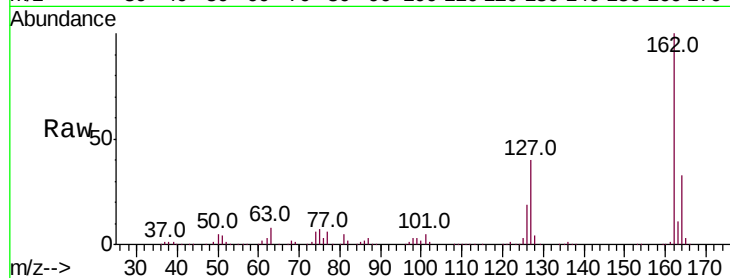
ClientSampleId :

W-4-DMS

Tot Ion:	162	Resp:	389428
Ion Ratio	Lower	Upper	
162	100		
127	40.0	32.6	48.8
164	32.8	25.9	38.9

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#48

2-Nitroaniline

Concen: 39.446 ng

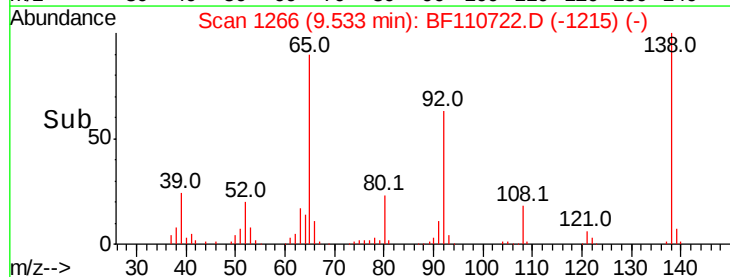
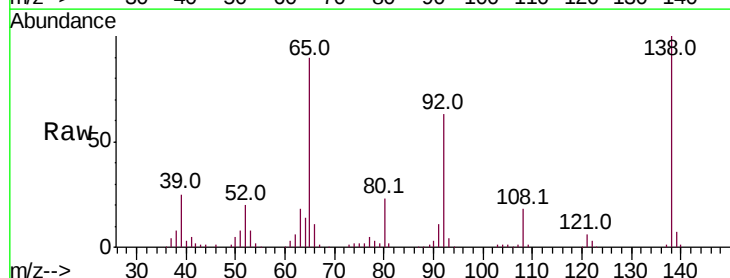
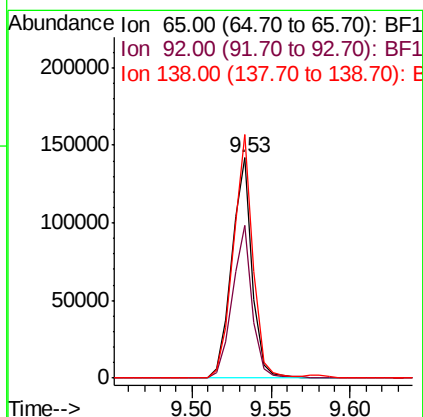
RT: 9.53 min Scan# 1266

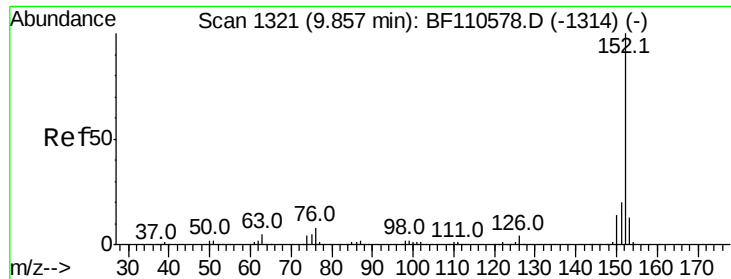
Delta R.T. 0.00 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion:	65	Resp:	125669
Ion Ratio	Lower	Upper	
65	100		
92	69.3	54.6	81.8
138	110.7	80.3	120.5





#49

Acenaphthylene

Concen: 40.848 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

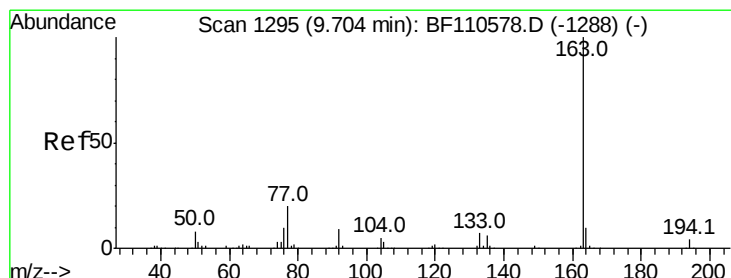
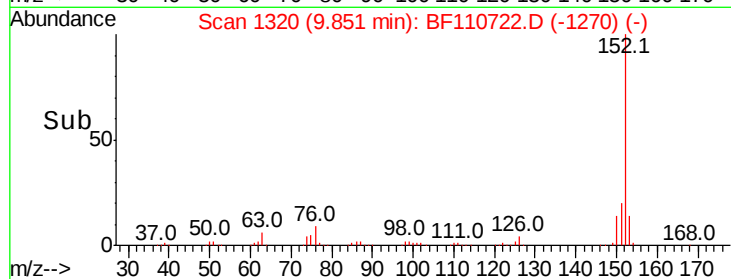
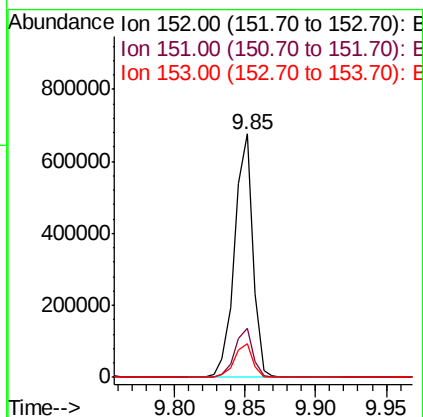
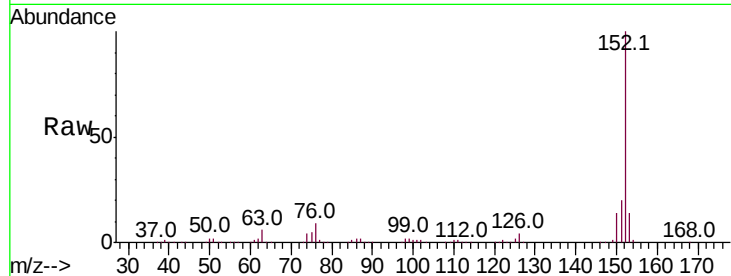
ClientSampleId :

W-4-DMS

Tot Ion:	152	Resp:	608172
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.8
153	13.6	10.4	15.6

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#50

Dimethylphthalate

Concen: 48.505 ng

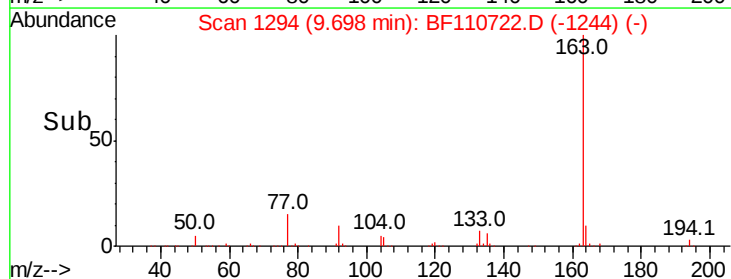
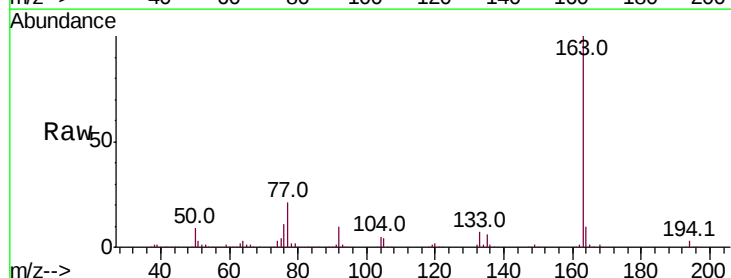
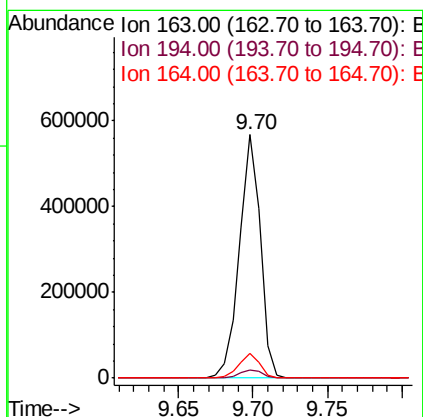
RT: 9.70 min Scan# 1294

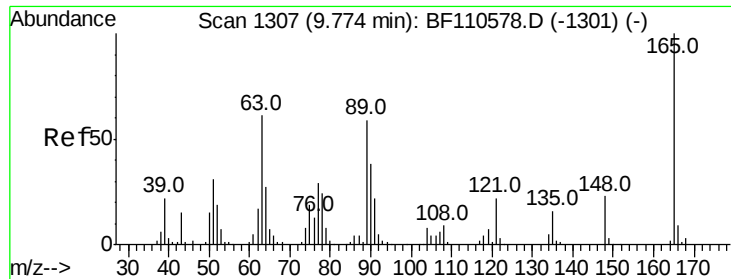
Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion:	163	Resp:	556760
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.2	4.8
164	10.0	8.1	12.1





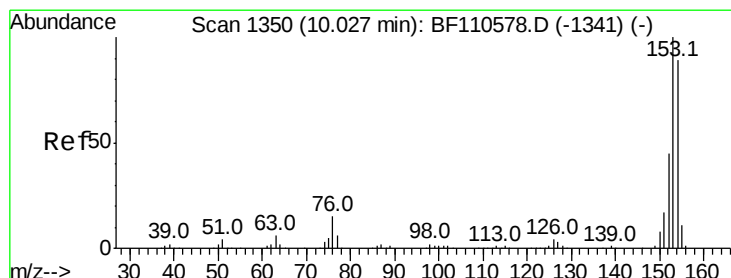
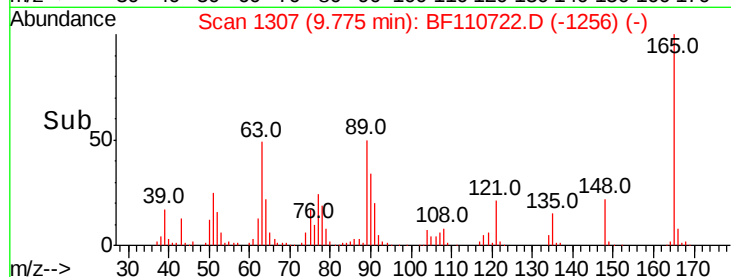
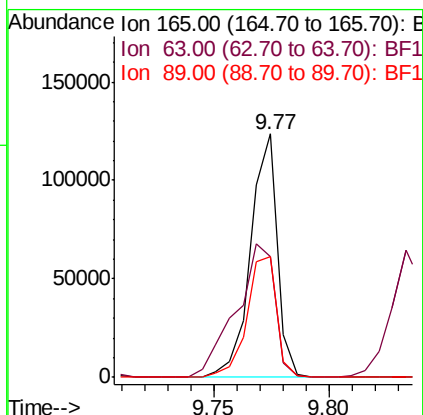
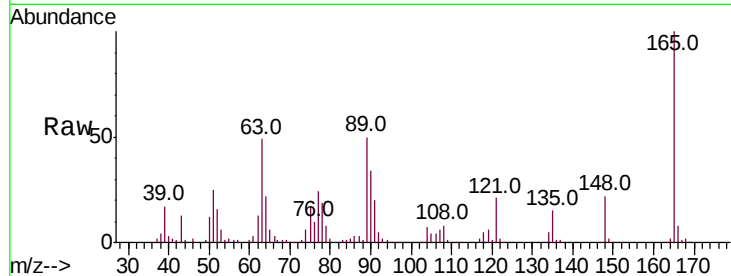
#51
2,6-Dinitrotoluene
Concen: 39.851 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampled :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	100624		
63	49.4		48.9	73.3
89	49.6		46.6	69.8

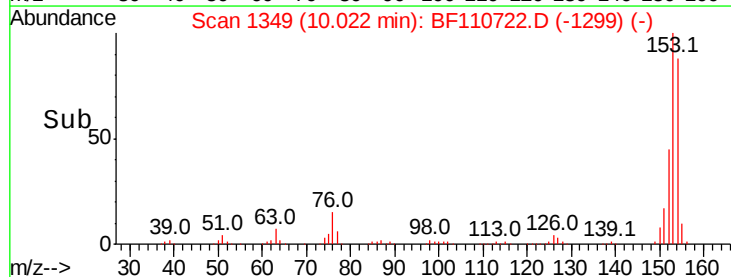
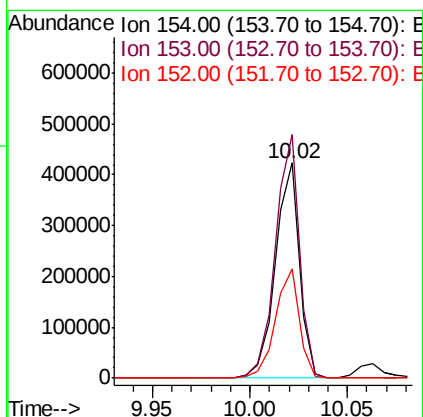
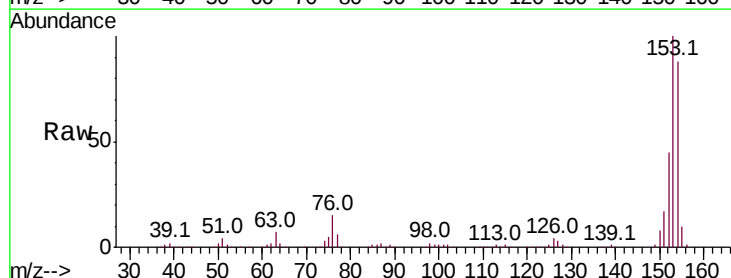
Manual Integrations
APPROVED

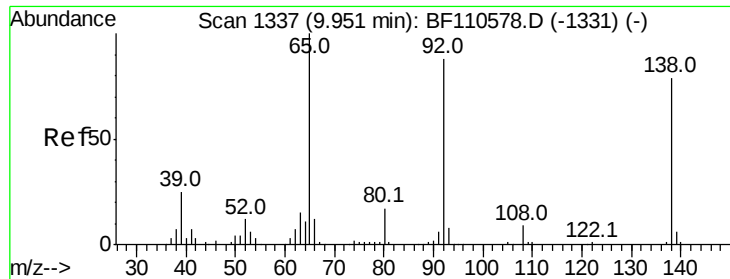
Sohil
11/14/2018 1:48:34 PM



#52
Acenaphthene
Concen: 38.403 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	361339		
153	113.2		90.1	135.1
152	50.6		43.4	65.2





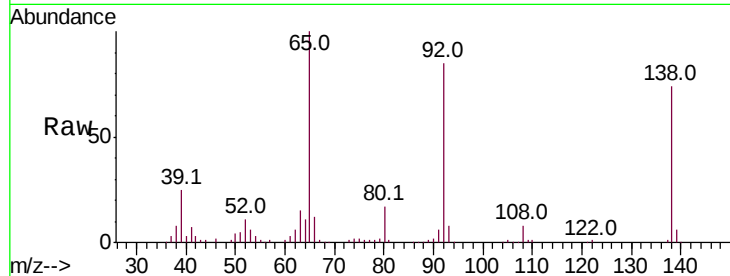
#53
3-Nitroaniline
Concen: 27.965 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

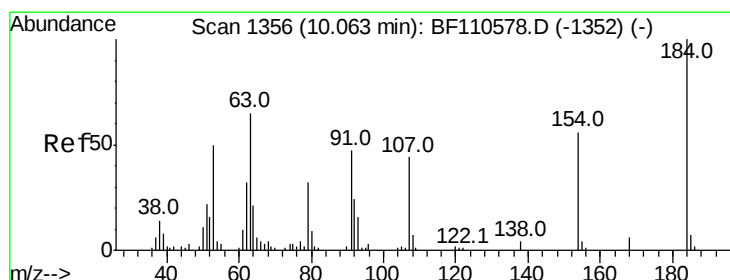
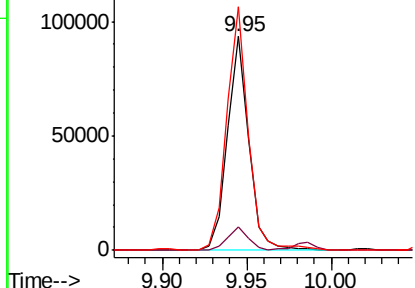
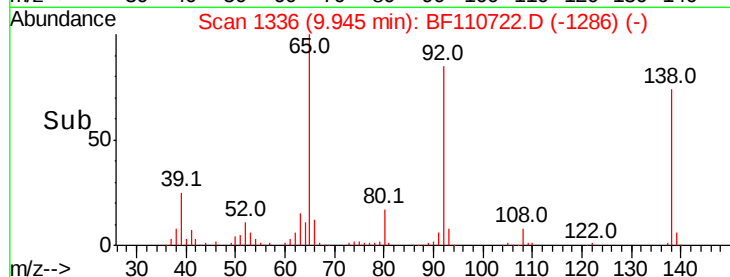
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.7	13.1
92	113.7	97.0	145.4

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM

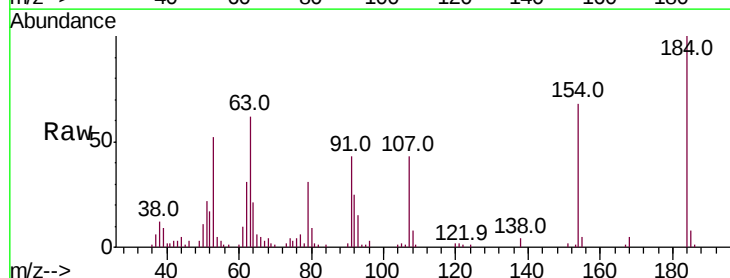


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

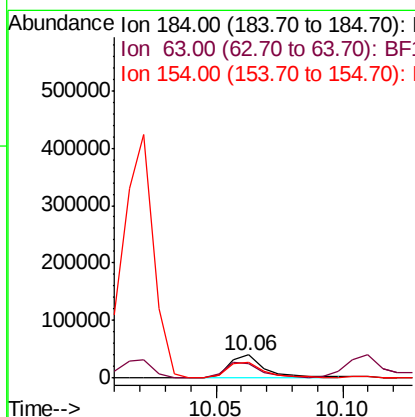
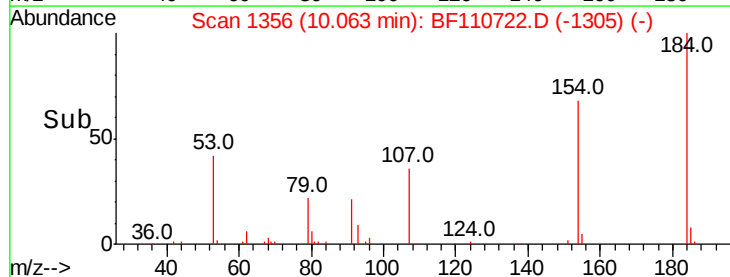


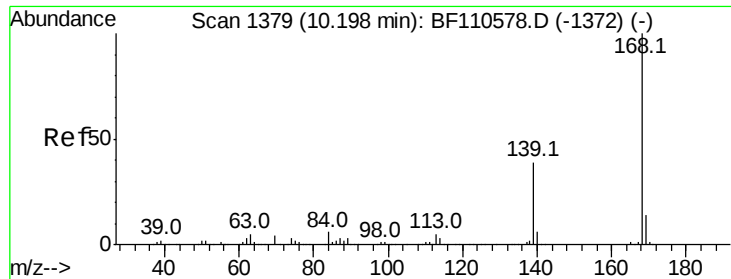
#54
2,4-Dinitrophenol
Concen: 41.996 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.8	55.8	83.6
154	67.8	63.2	94.8



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





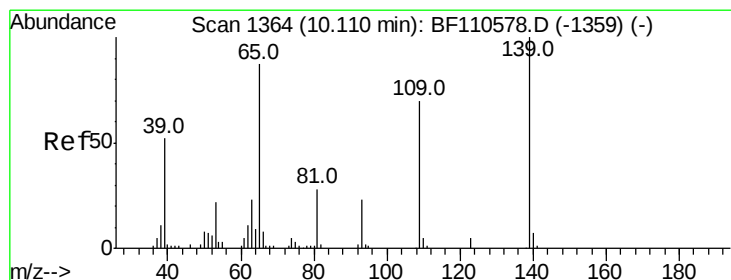
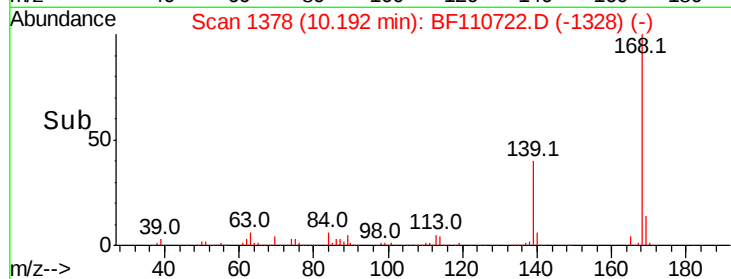
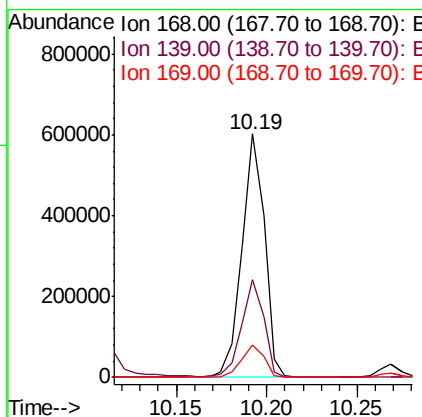
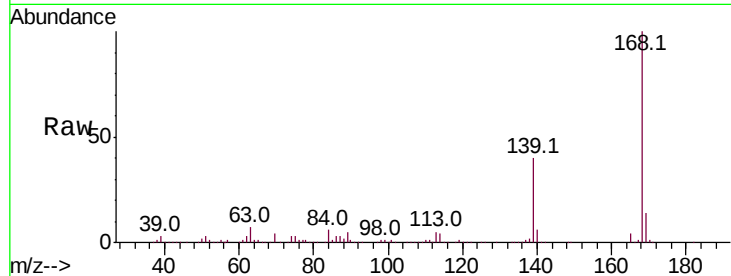
#55
Dibenzenofuran
Concen: 37.978 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.9	33.0	49.6
169	13.6	11.3	16.9

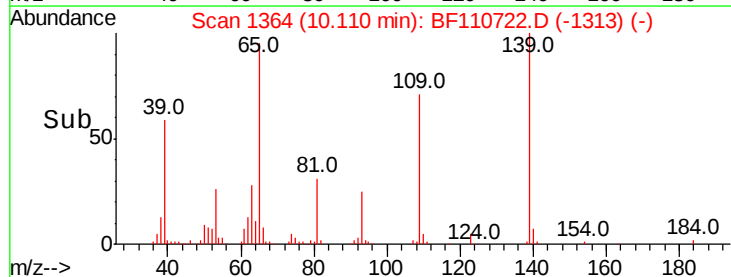
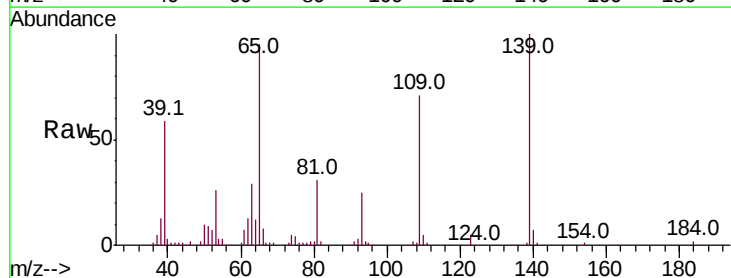
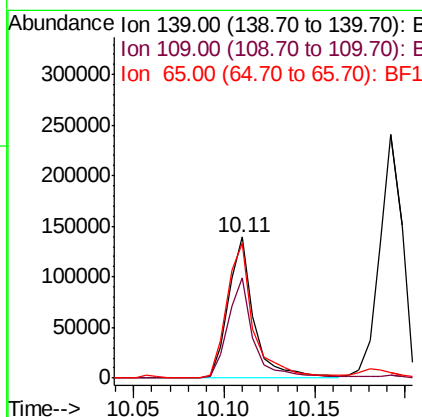
Manual Integrations
APPROVED

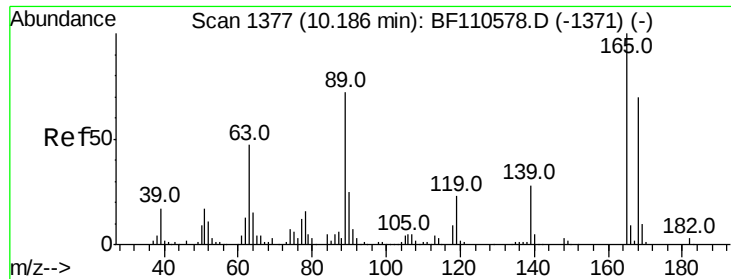
Sohil
11/14/2018 1:48:34 PM



#56
4-Nitrophenol
Concen: 70.818 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.1	55.8	95.8
65	95.4	77.9	117.9





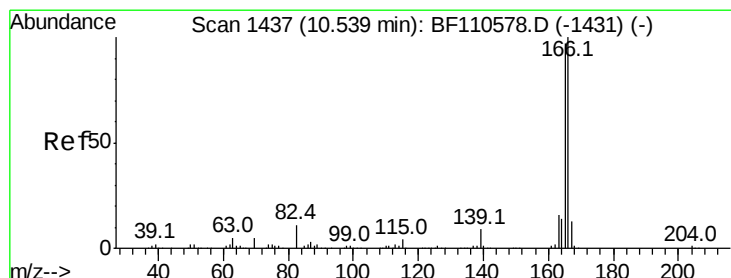
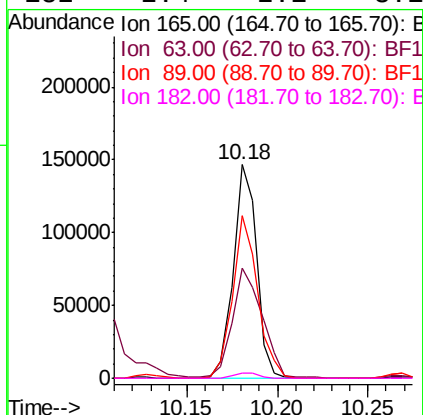
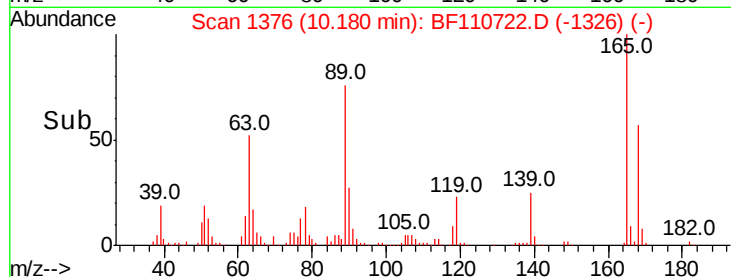
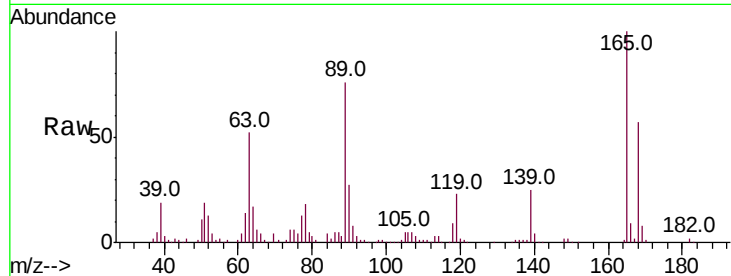
#57
2,4-Dinitrotoluene
Concen: 40.097 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	51.7	44.8	67.2	
89	76.2	62.2	93.4	
182	2.4	2.1	3.1	

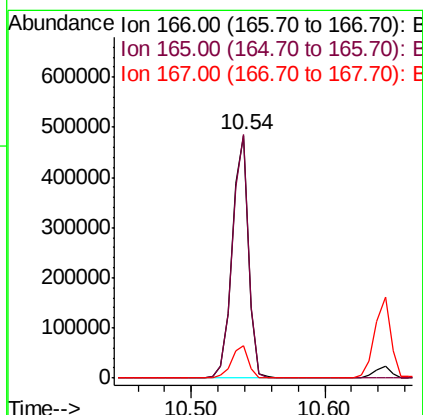
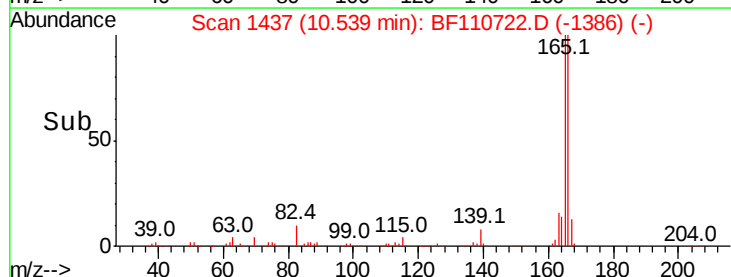
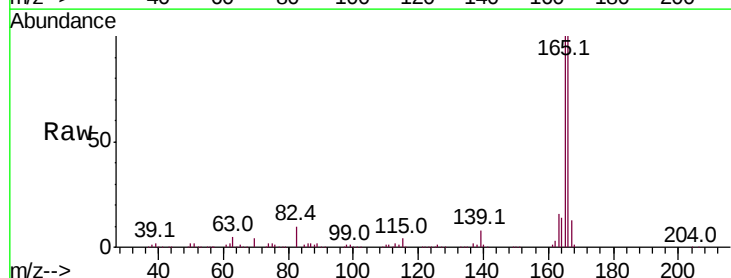
Manual Integrations
APPROVED

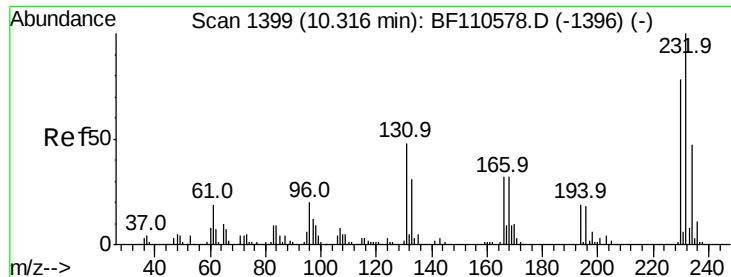
Sohil
11/14/2018 1:48:34 PM



#58
Fluorene
Concen: 39.567 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.2	78.6	117.8	
167	13.3	10.8	16.2	





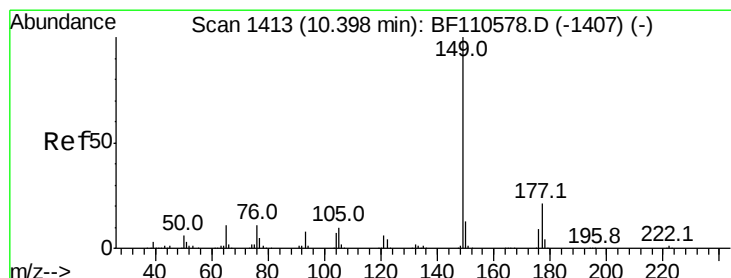
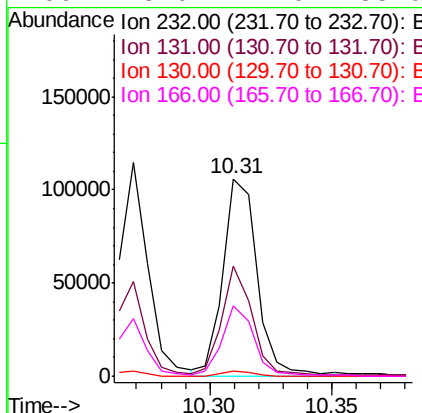
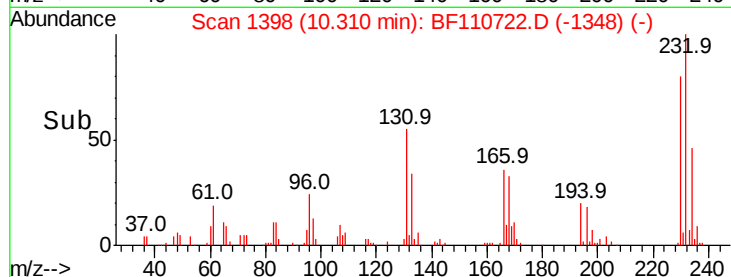
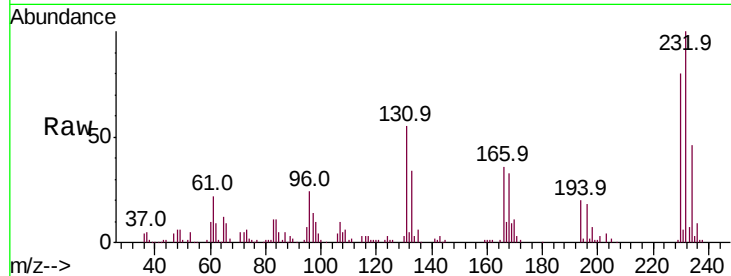
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.343 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

Tot Ion	Ratio	Lower	Upper
232	100		
131	41.0	37.0	55.4
130	2.1	1.8	2.6
166	25.0	22.0	33.0

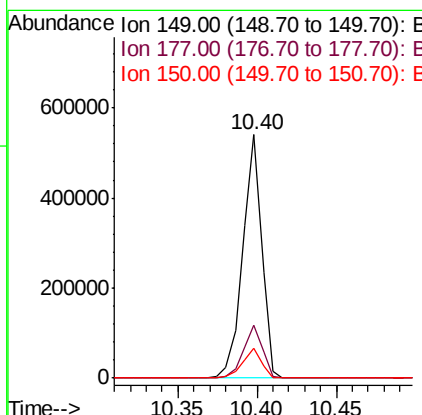
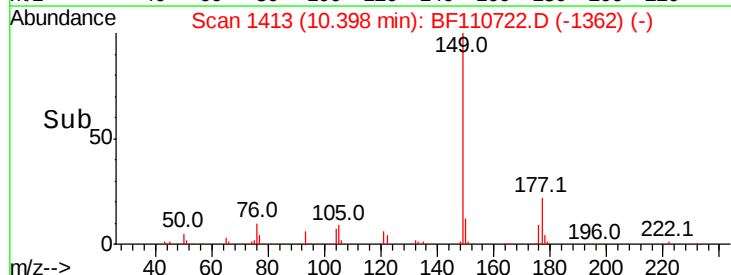
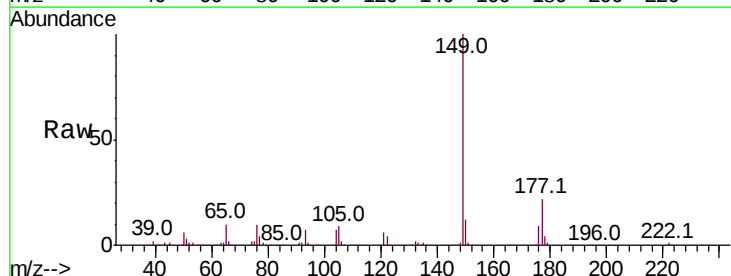
Manual Integrations
 APPROVED

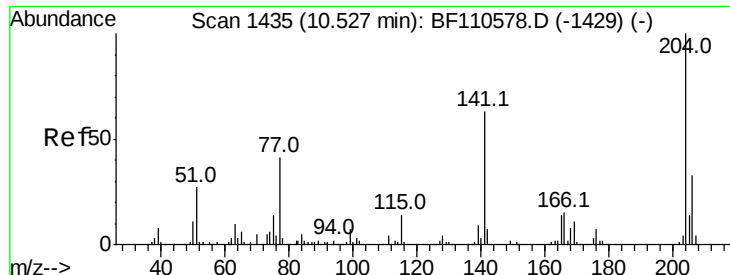
Sohil
 11/14/2018 1:48:34 PM



#60
 Diethylphthalate
 Concen: 39.311 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.3	9.8	14.8





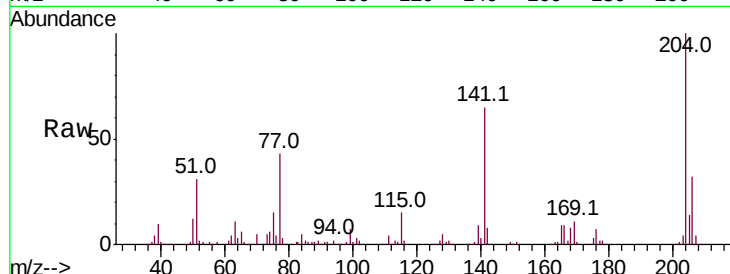
#61
4-Chlorophenyl-phenylether
Concen: 37.001 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.5	39.7
141	65.3	51.8	77.8

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM

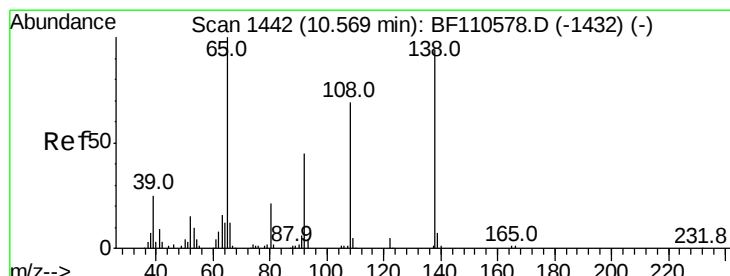
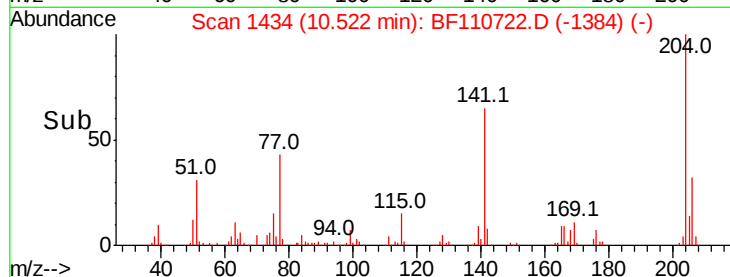
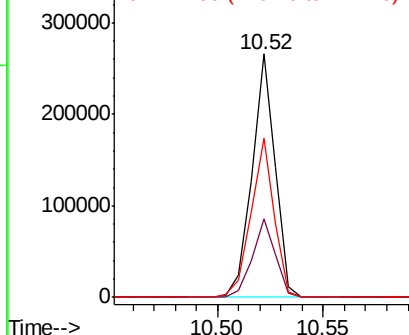


Abundance

Ion 204.00 (203.70 to 204.70): E

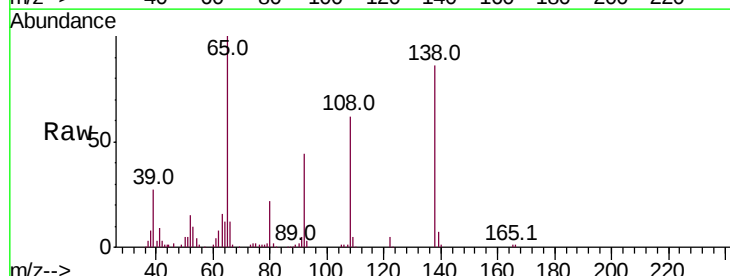
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 33.508 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.8	31.7	71.7
108	71.5	59.3	99.3

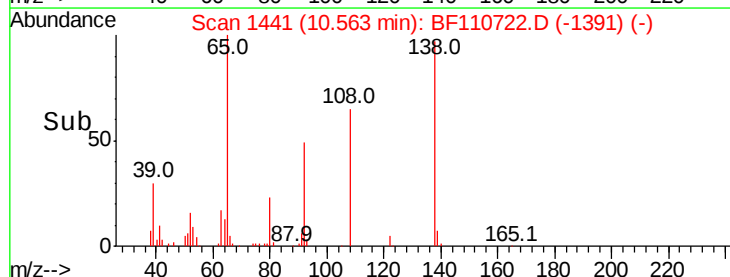
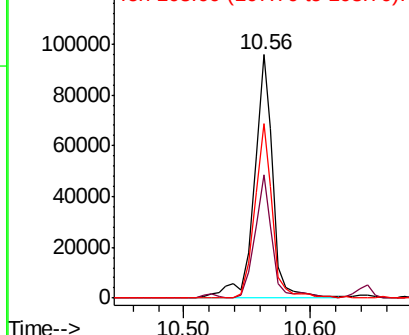


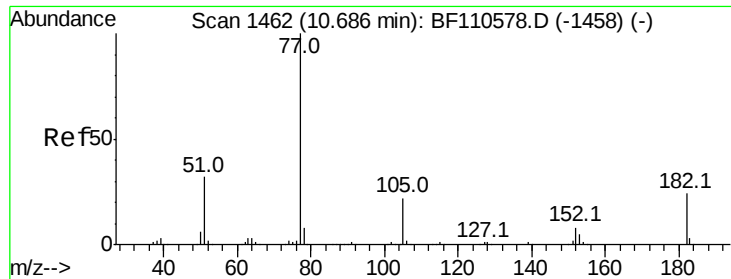
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





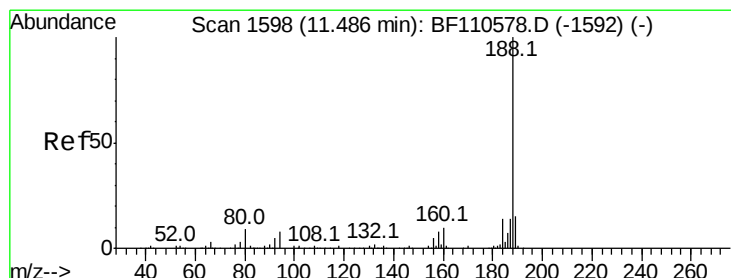
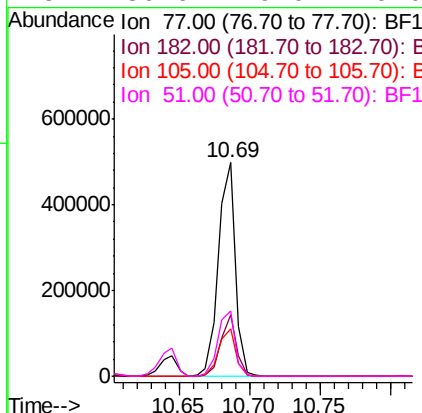
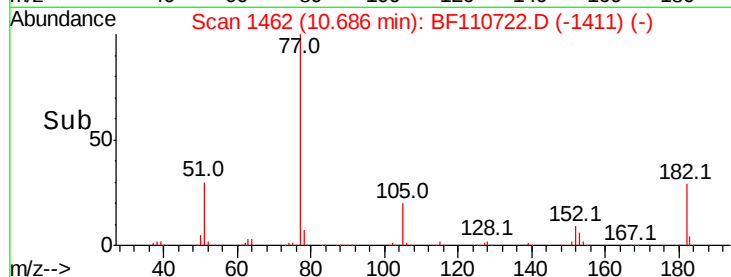
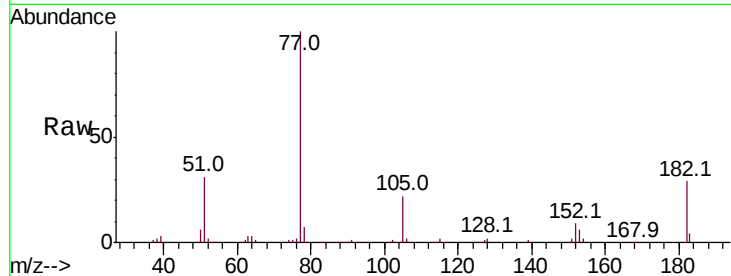
#63
Azobenzene
Concen: 37.627 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		416881		
182	28.5	4.3	44.3		
105	22.3	1.3	41.3		
51	30.6	9.0	49.0		

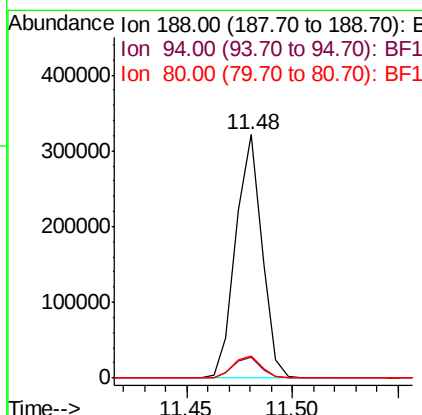
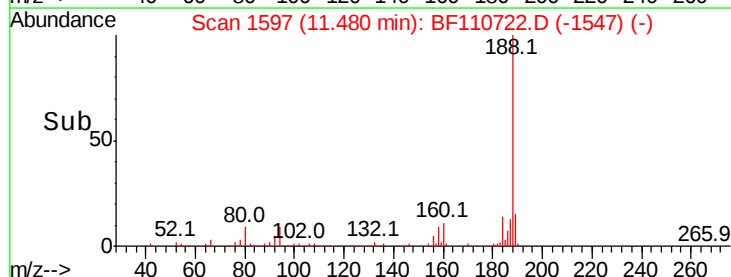
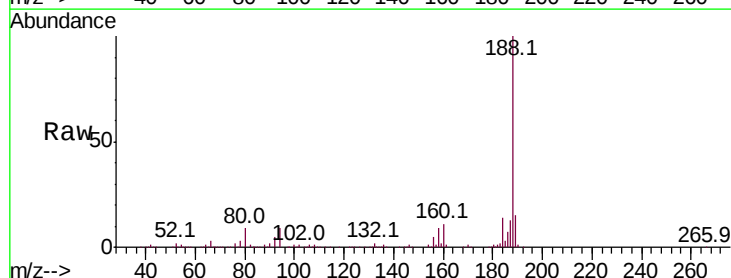
Manual Integrations
APPROVED

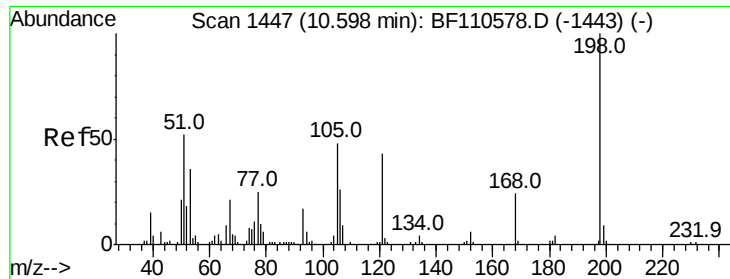
Sohil
11/14/2018 1:48:34 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		275908		
94	8.6	7.2	10.8		
80	8.9	7.9	11.9		





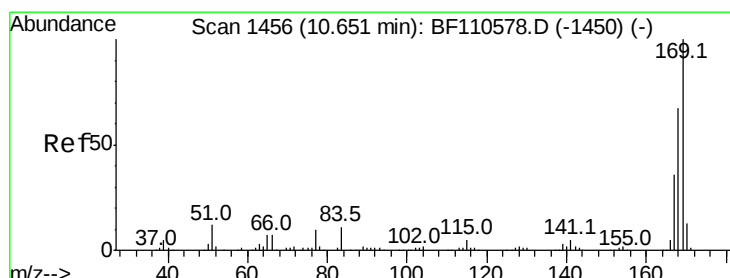
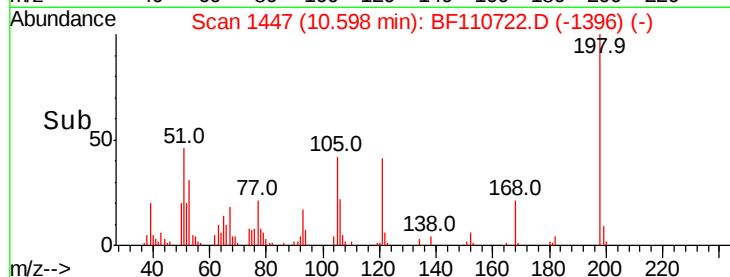
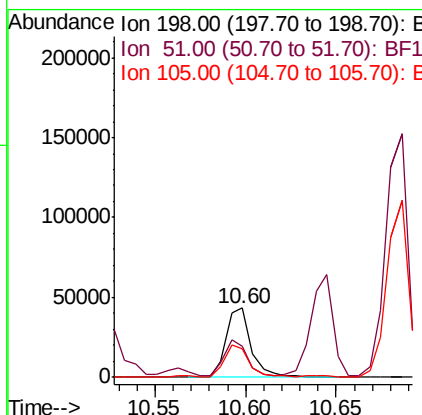
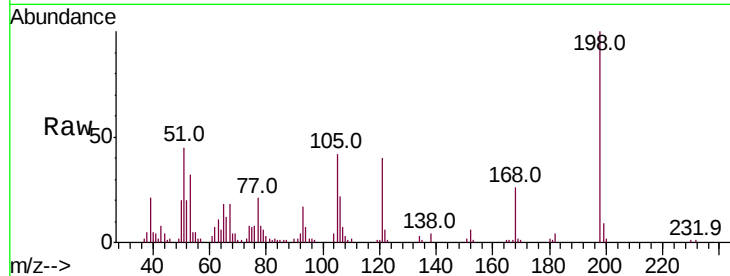
#65
4,6-Dinitro-2-methylphenol
Concen: 30.594 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	42542		
51	45.3	22.8	62.8	
105	41.9	23.6	63.6	

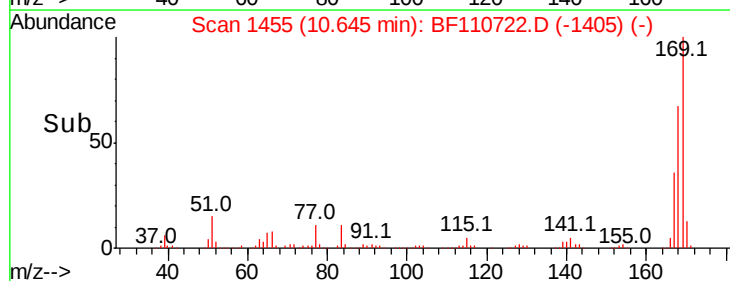
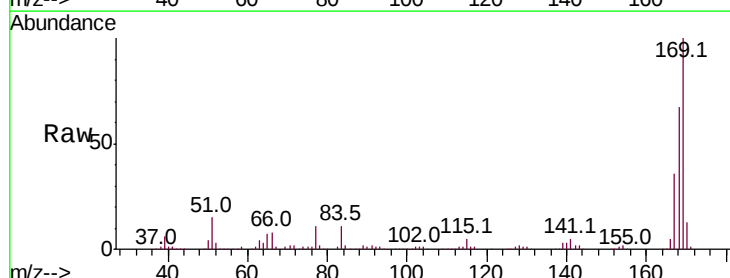
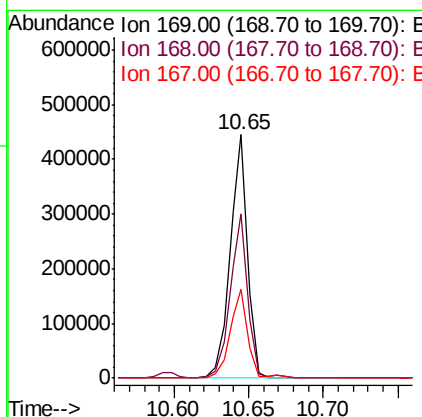
Manual Integrations
APPROVED

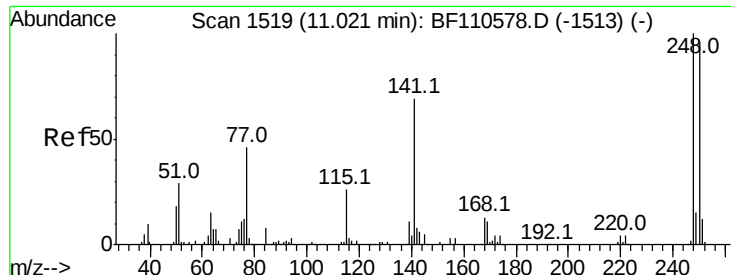
Sohil
11/14/2018 1:48:34 PM



#66
n-Nitrosodiphenylamine
Concen: 39.405 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	366464		
168	67.3	51.2	76.8	
167	36.4	27.8	41.6	





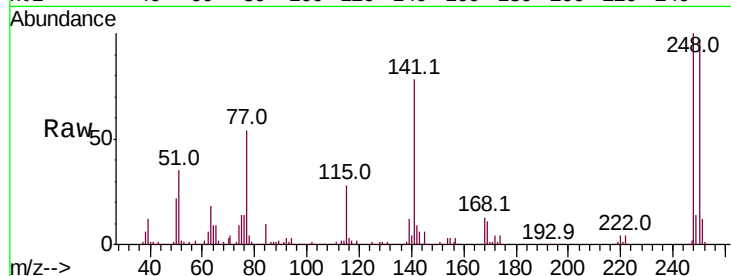
#67
4-Bromophenyl-phenylether
Concen: 37.596 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	79.4	119.2
141	78.4	55.9	83.9

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM

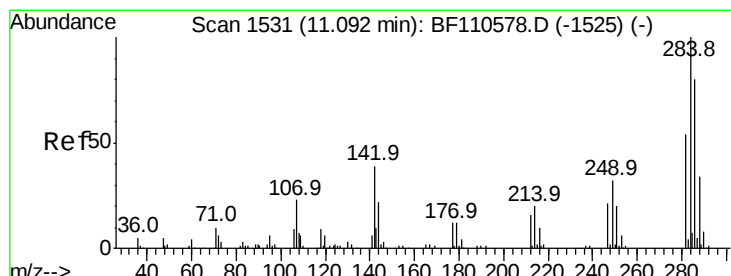
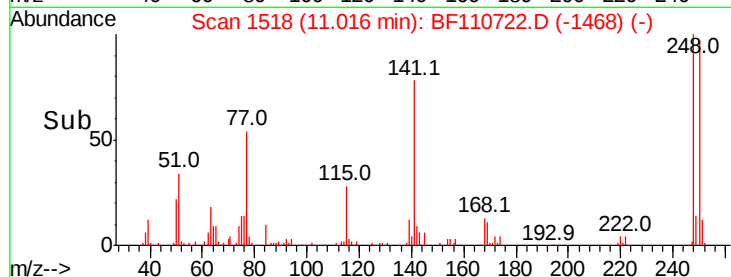
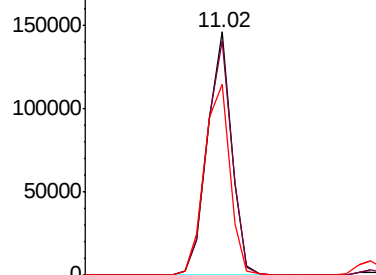


Abundance

Ion 248.00 (247.70 to 248.70): E

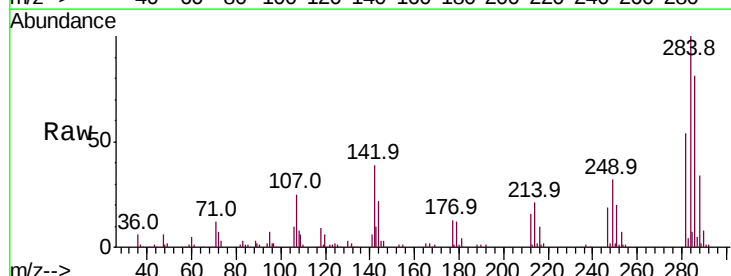
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 36.978 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.8	23.9	35.9#
249	32.4	24.2	36.2

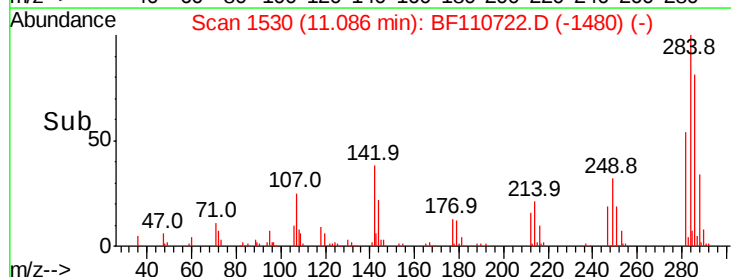
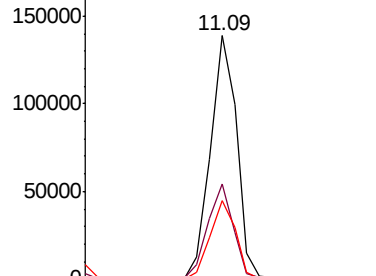


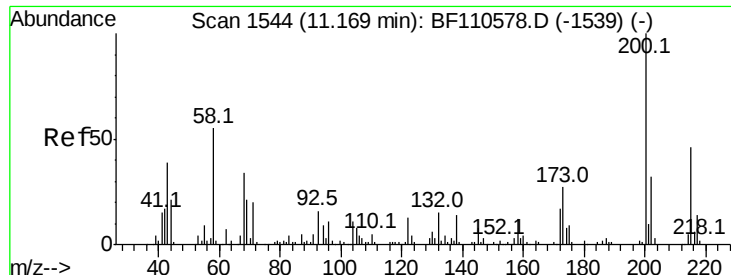
Abundance

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





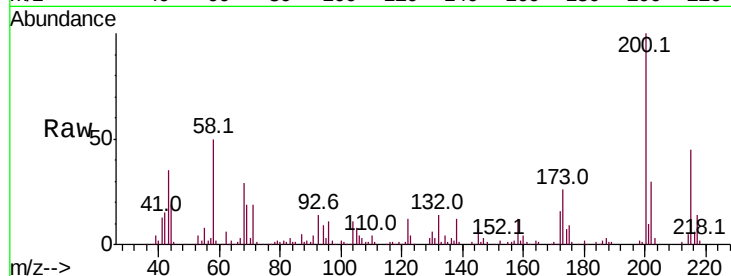
#69
Atrazine
Concen: 40.551 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	115309		
173	25.7	6.6	46.6	
215	45.1	26.3	66.3	

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM

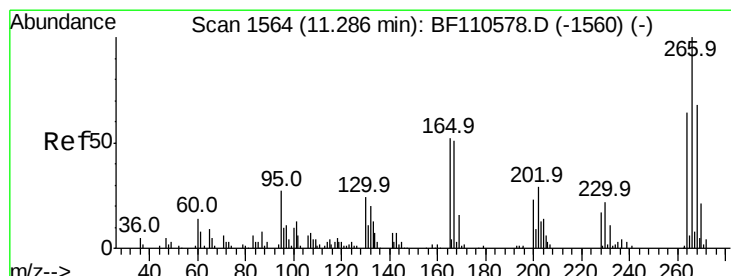
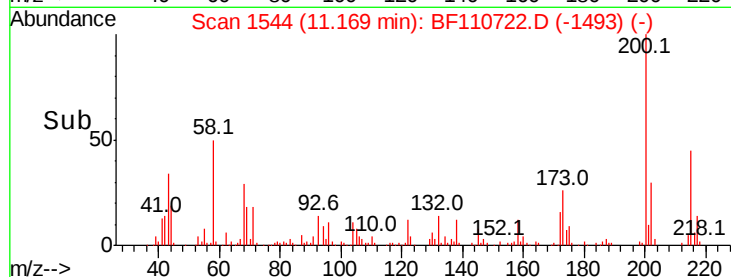
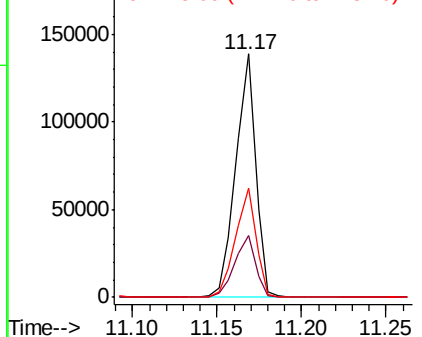


Abundance

Ion 200.00 (199.70 to 200.70): E

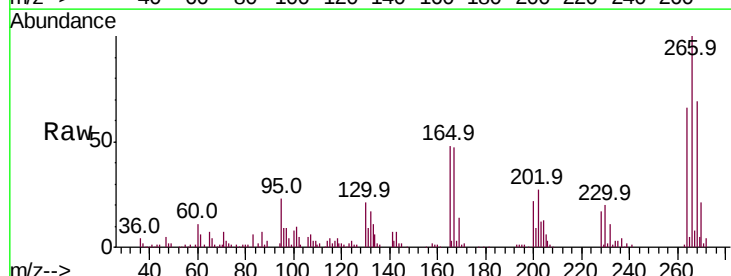
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 58.833 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	100925		
268	68.6	50.6	75.8	
264	65.8	50.6	75.8	

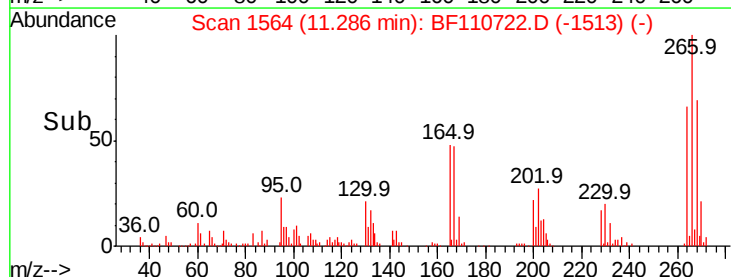
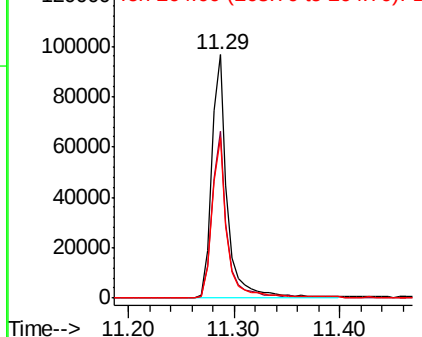


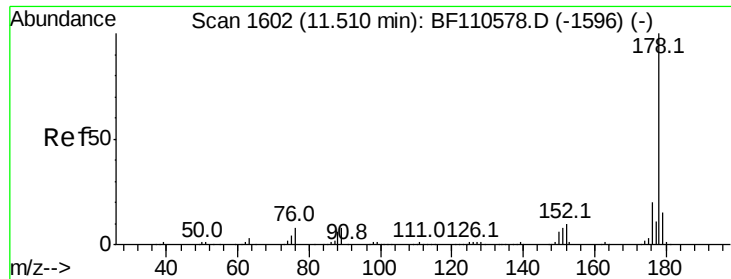
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





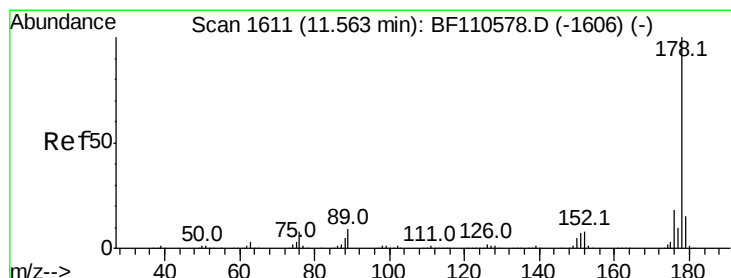
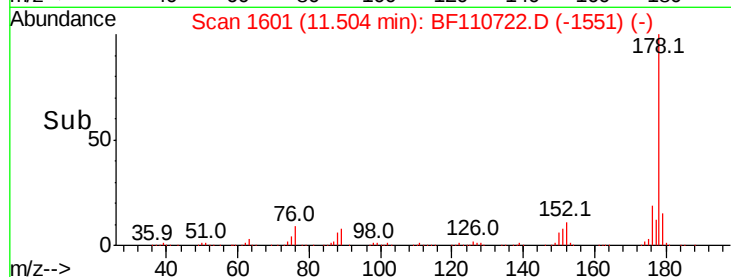
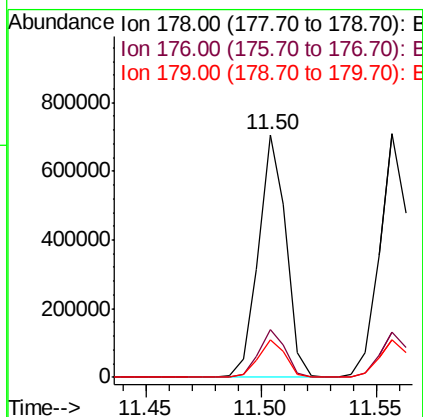
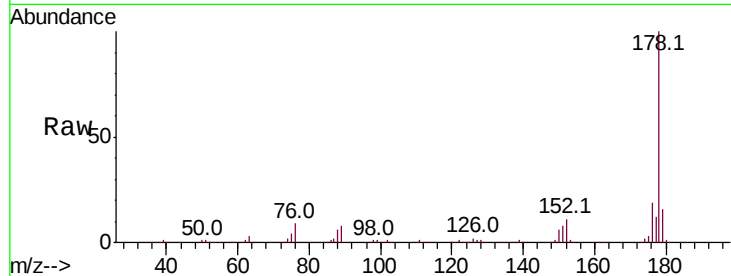
#71
Phenanthrene
Concen: 39.832 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

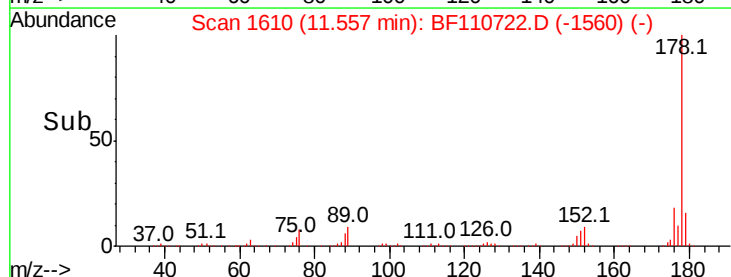
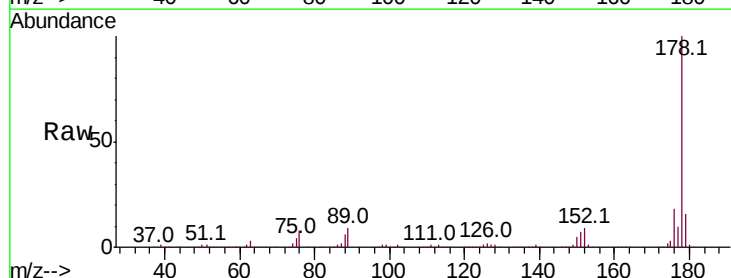
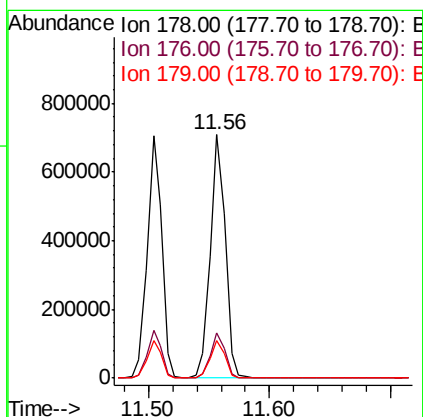
Manual Integrations
APPROVED

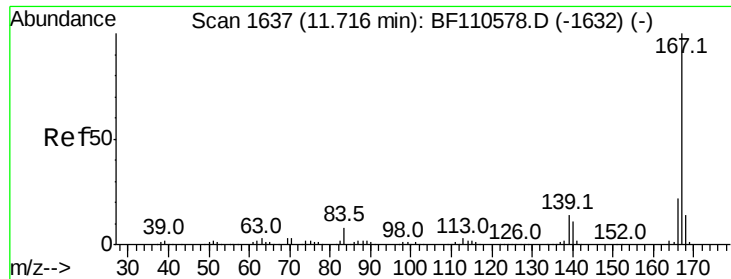
Sohil
11/14/2018 1:48:34 PM



#72
Anthracene
Concen: 40.728 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.6	12.6	18.8





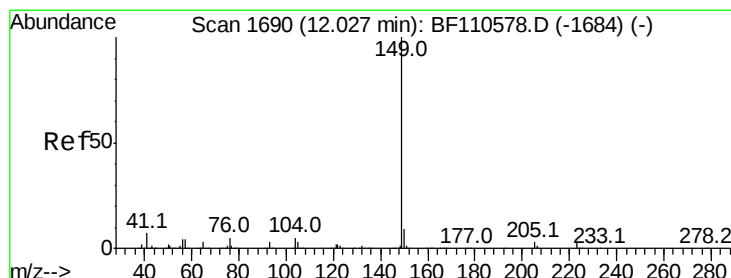
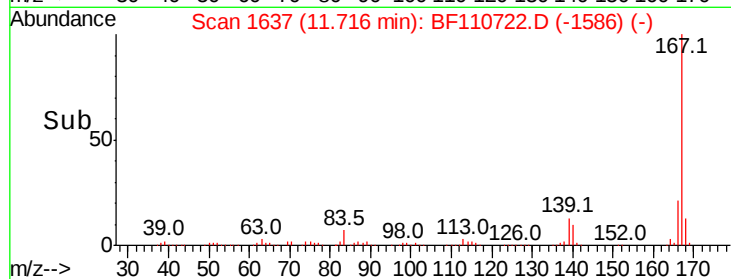
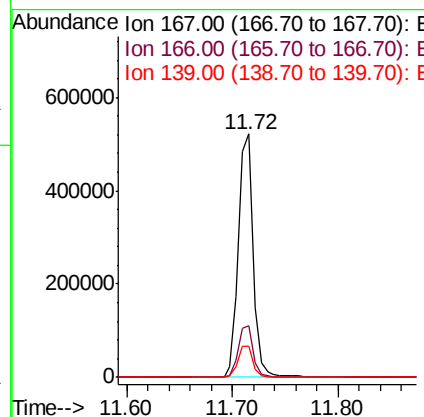
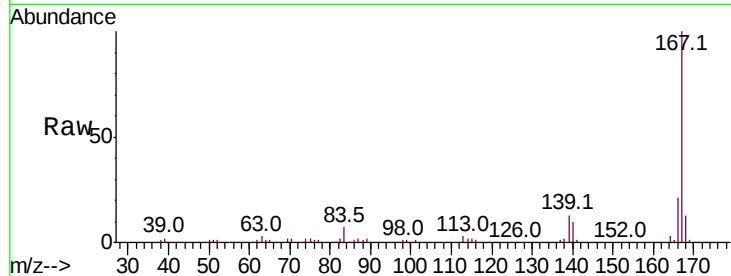
#73
 Carbazole
 Concen: 35.138 ng
 RT: 11.72 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 W-4-DMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.0
139	13.0	10.9	16.3

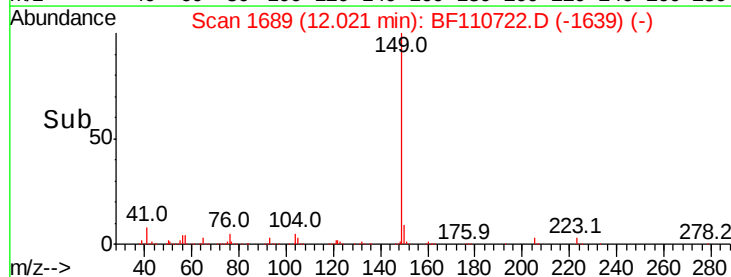
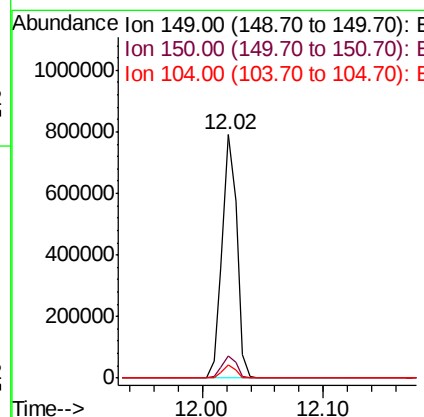
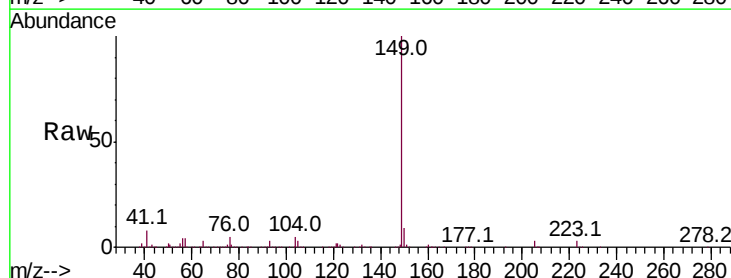
Manual Integrations
 APPROVED

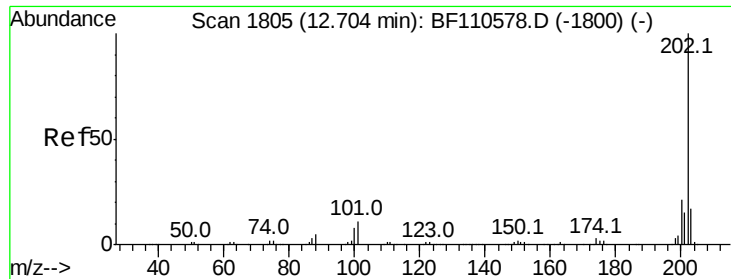
Sohil
 11/14/2018 1:48:34 PM



#74
 Di-n-butylphthalate
 Concen: 39.261 ng
 RT: 12.02 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	5.2	4.2	6.4





#75

Fluoranthene

Concen: 34.023 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

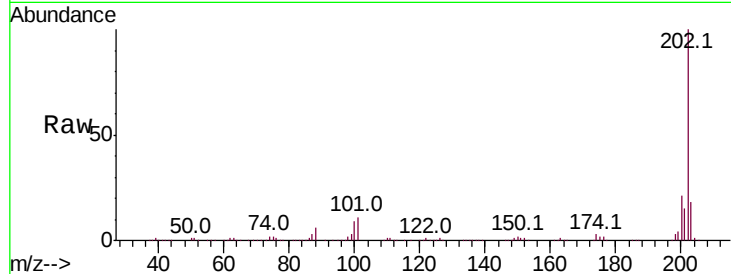
ClientSampleId :

W-4-DMS

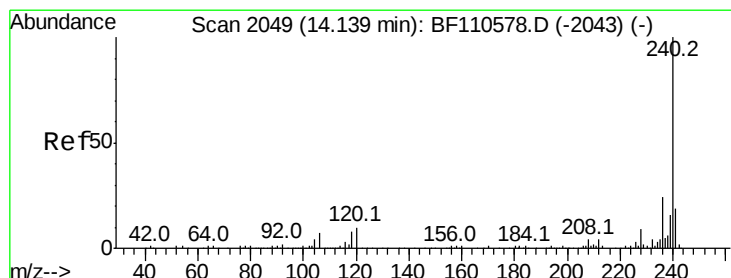
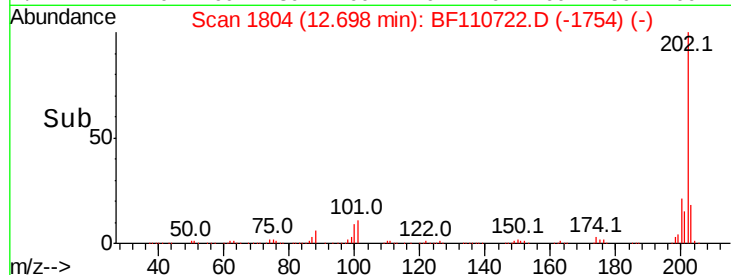
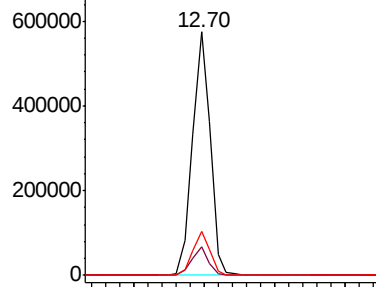
Tot Ion	Ratio	Resp	Lower	Upper
202	100	504203		
101	11.5	0.0	31.4	
203	18.1	0.0	37.7	

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

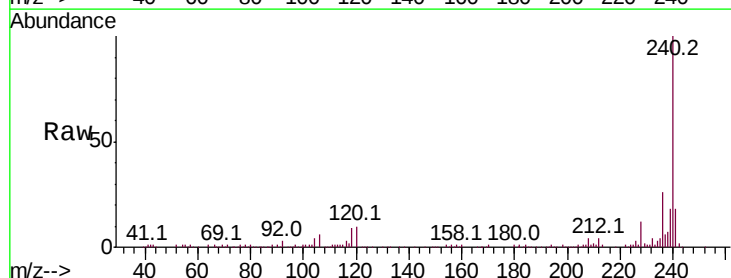
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

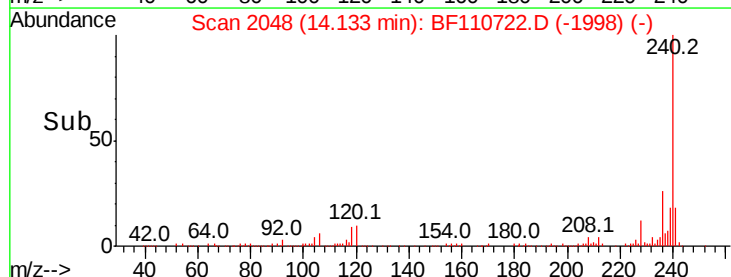
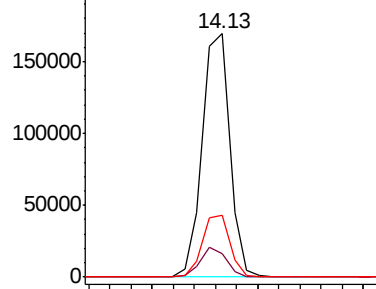
Lab File: BF110722.D

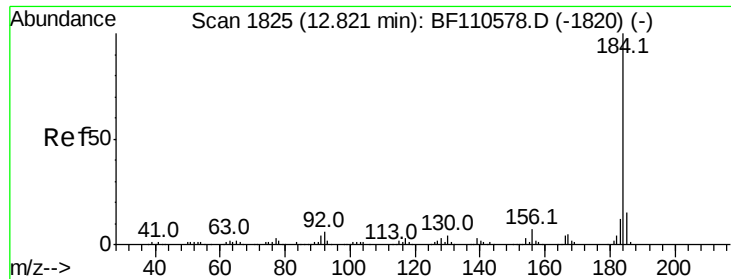
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	152844		
120	9.6	8.3	12.5	
236	25.6	21.2	31.8	



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





#77

Benzidine

Concen: 13.888 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

ClientSampleId :

W-4-DMS

Tot Ion:184 Resp: 58375

Ion Ratio Lower Upper

184 100

185 15.4 13.4 20.2

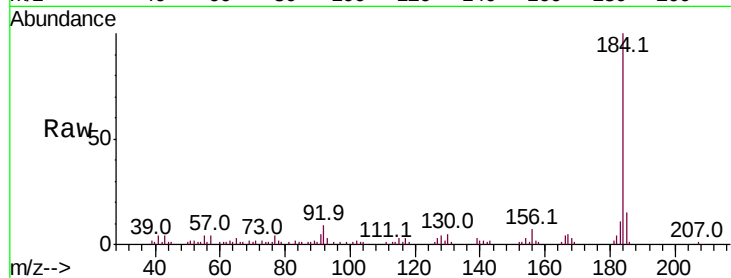
183 11.3 9.4 14.2

Manual Integrations

APPROVED

Sohil

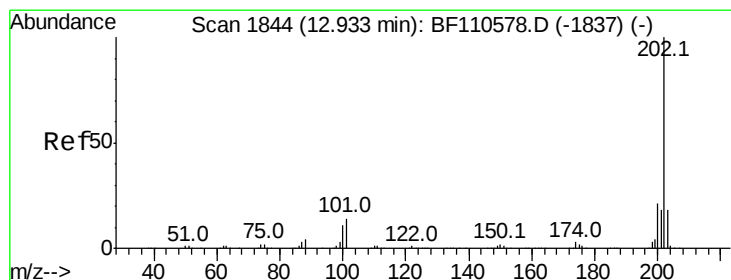
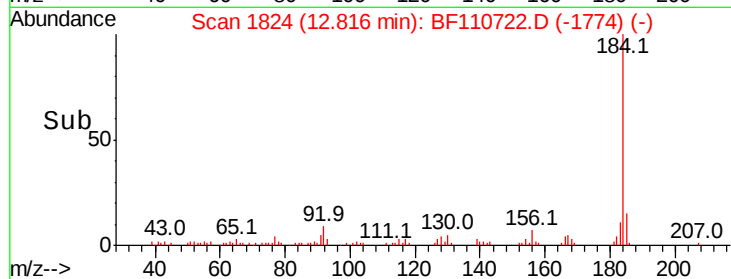
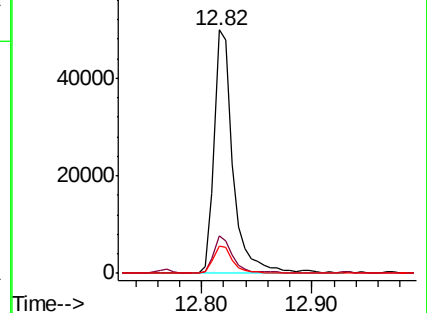
11/14/2018 1:48:34 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 41.439 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

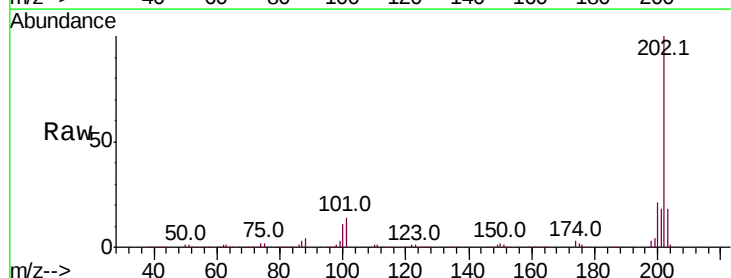
Tgt Ion:202 Resp: 487675

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

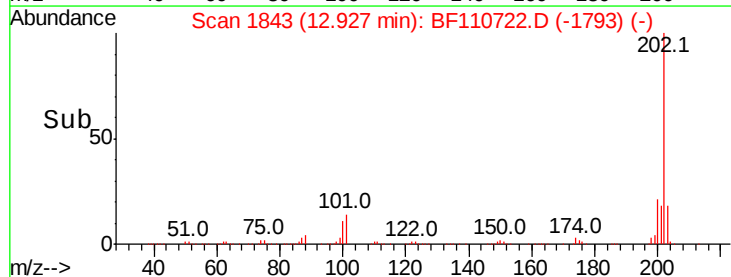
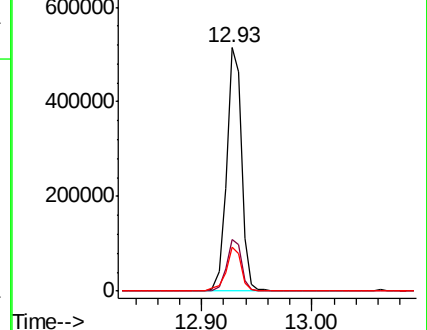
203 17.9 14.2 21.4

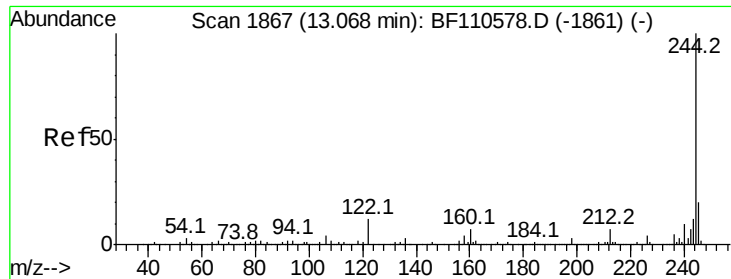


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





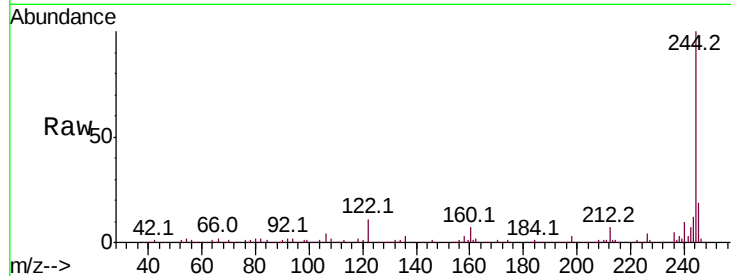
#79
 Terphenyl-d14
 Concen: 81.127 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Instrument :
 BNA_F
 ClientSampled :
 W-4-DMS

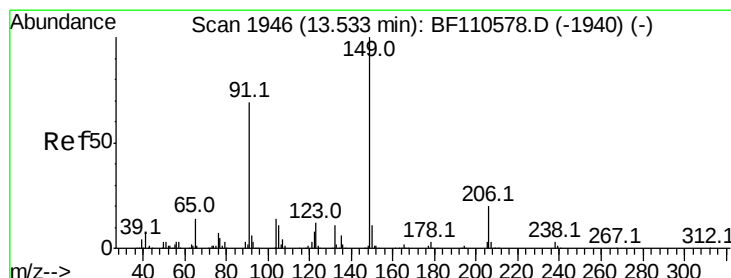
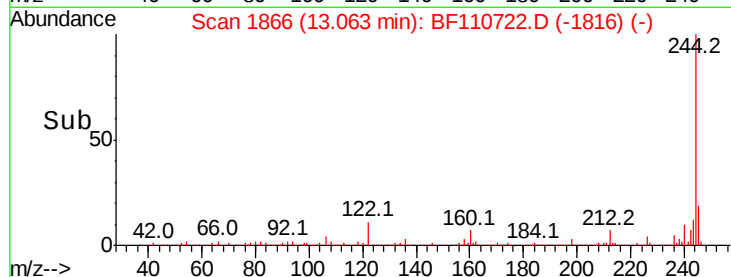
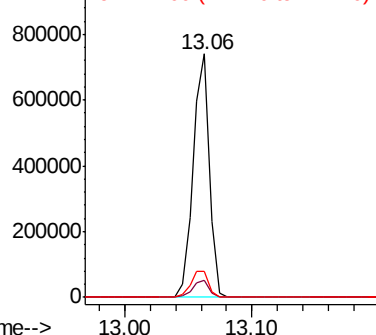
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.9	8.7	13.1

Manual Integrations
 APPROVED

Sohil
 11/14/2018 1:48:34 PM

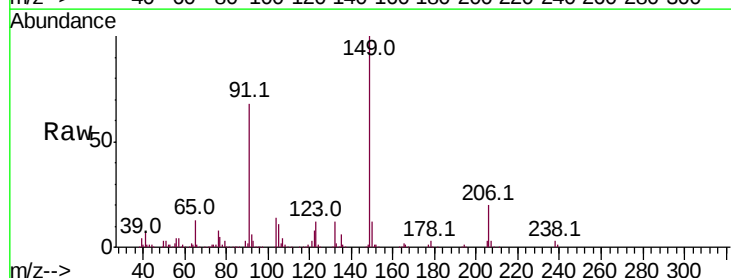


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

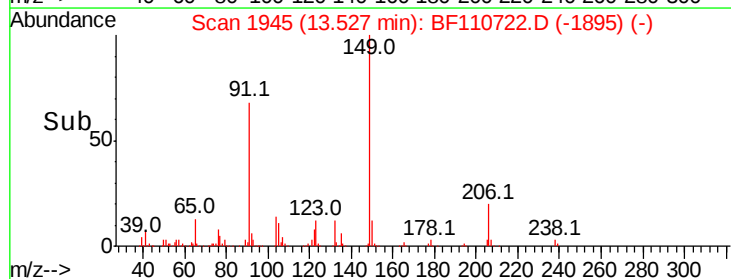
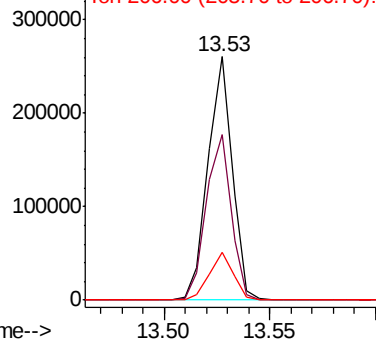


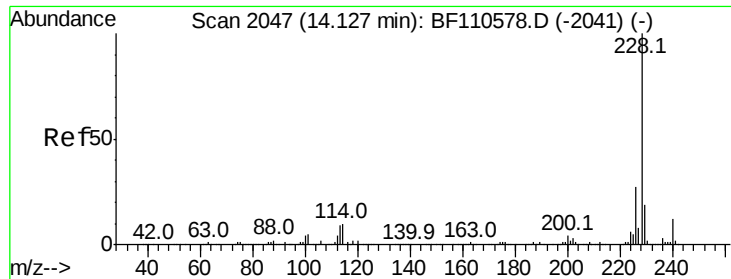
#80
 Butylbenzylphthalate
 Concen: 40.625 ng
 RT: 13.53 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BF110722.D
 Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.1	57.2	85.8
206	19.6	15.7	23.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





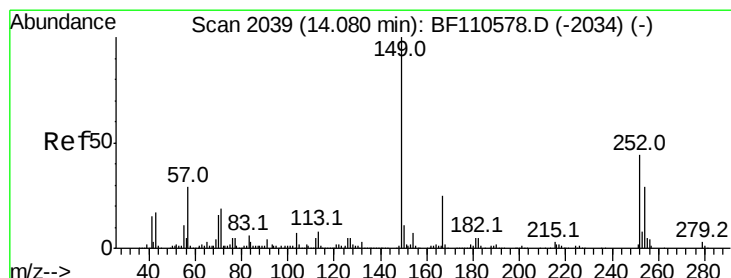
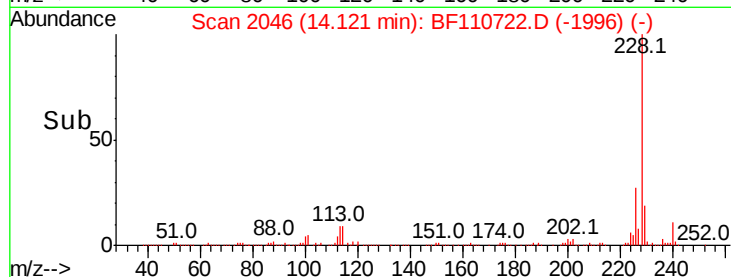
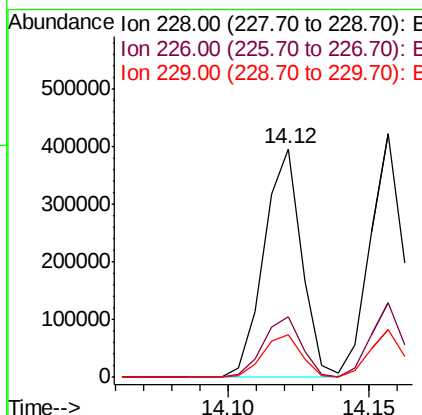
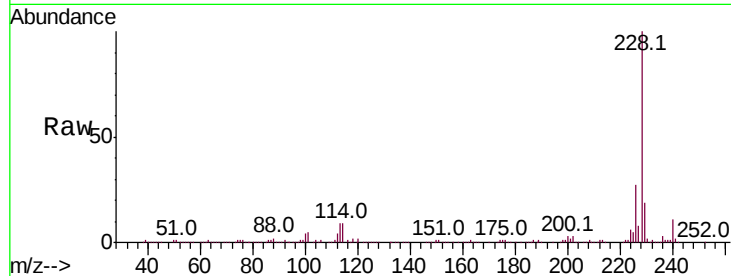
#81
Benzo(a)anthracene
Concen: 39.986 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	18.8	15.6	23.4

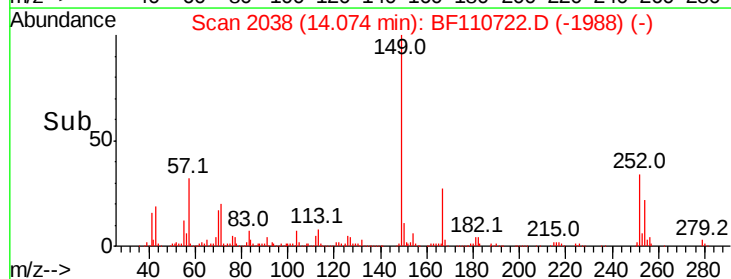
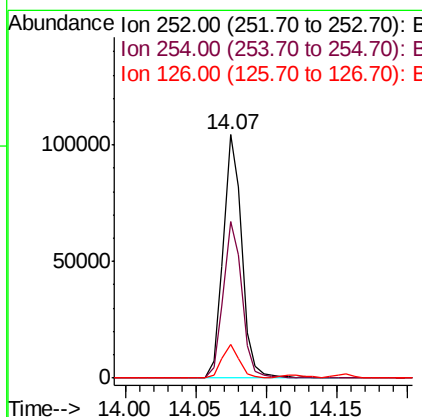
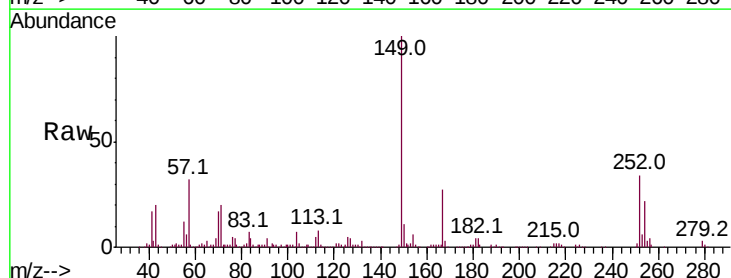
Manual Integrations
APPROVED

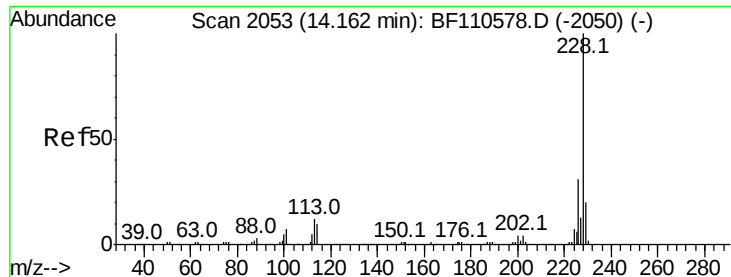
Sohil
11/14/2018 1:48:34 PM



#82
3,3'-Dichlorobenzidine
Concen: 31.553 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.3	76.9
126	13.7	9.4	14.2





#83

Chrysene

Concen: 38.916 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

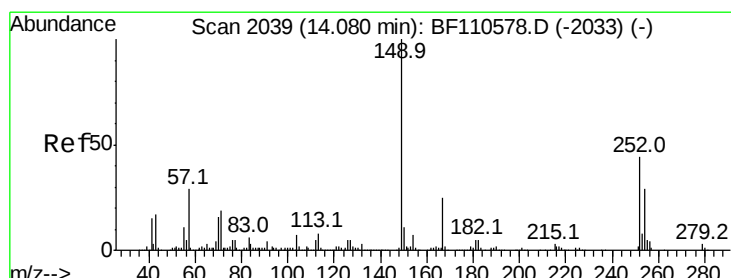
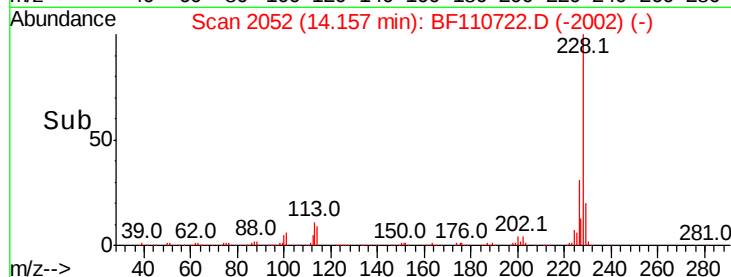
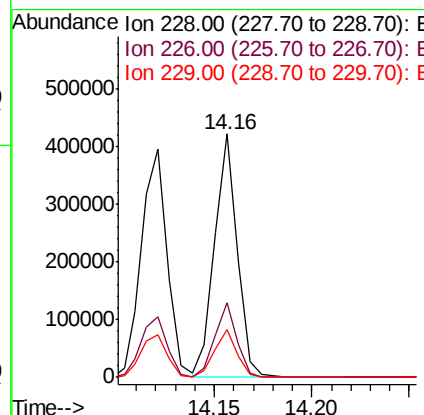
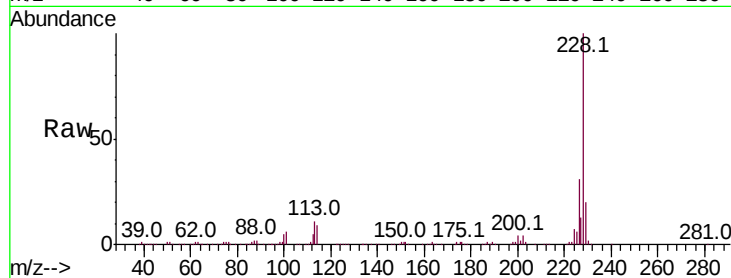
ClientSampleId :

W-4-DMS

Tot Ion:	228	Resp:	338705
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.7	37.1
229	19.5	15.9	23.9

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.281 ng

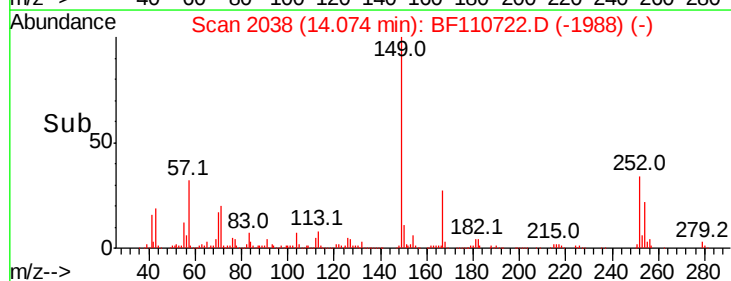
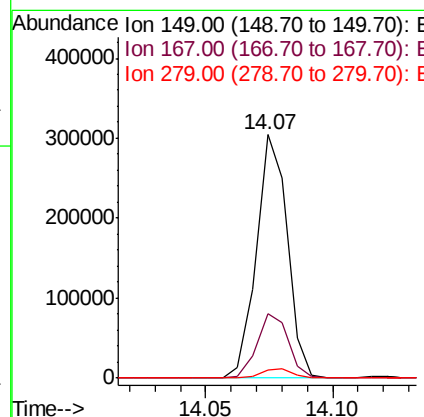
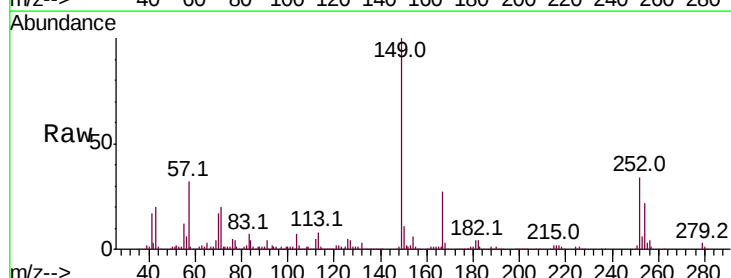
RT: 14.07 min Scan# 2038

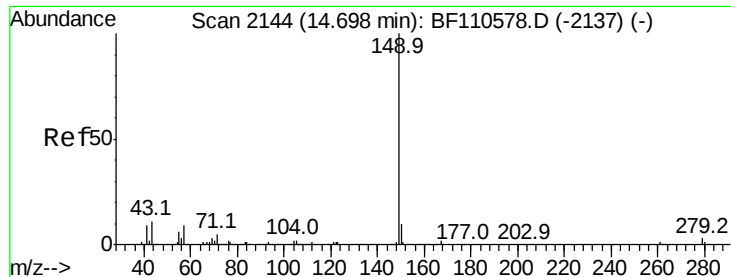
Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion:	149	Resp:	259398
Ion Ratio	Lower	Upper	
149	100		
167	26.5	19.8	29.8
279	3.3	2.7	4.1





#85

Di-n-octyl phthalate

Concen: 46.820 ng

RT: 14.69 min Scan# 2143

Delta R.T. -0.01 min

Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Instrument :

BNA_F

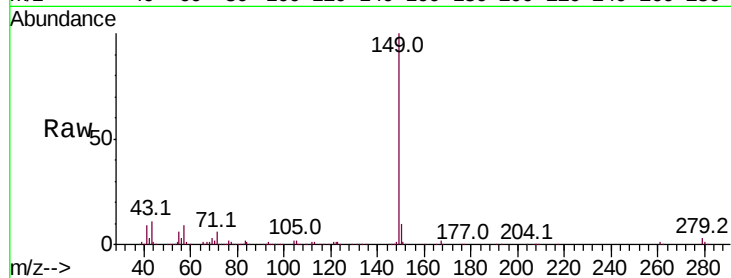
ClientSampleId :

W-4-DMS

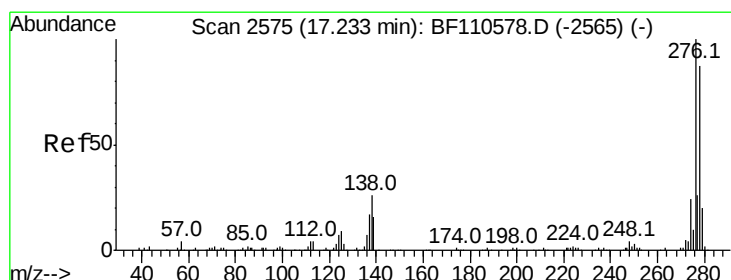
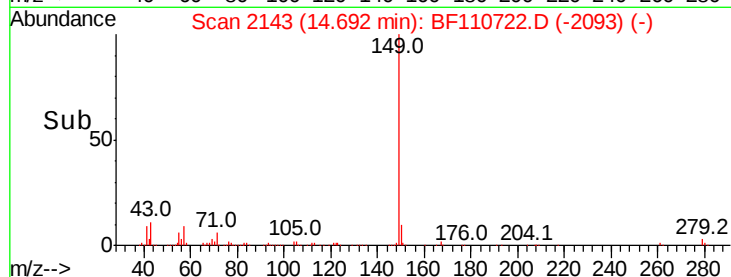
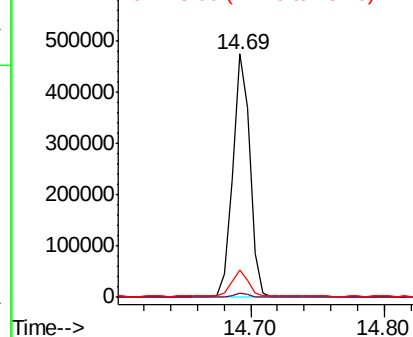
Tot Ion:	149	Resp:	432629
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.1	1.7
43	10.1	7.8	11.8

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 66.962 ng

RT: 17.23 min Scan# 2575

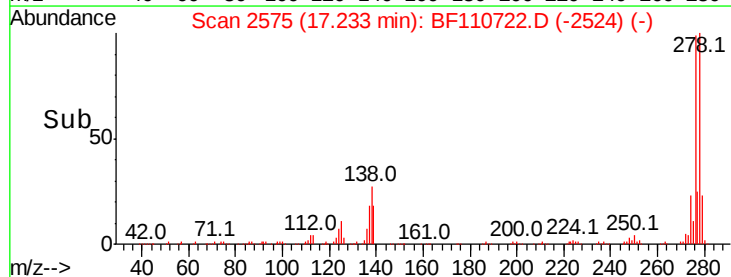
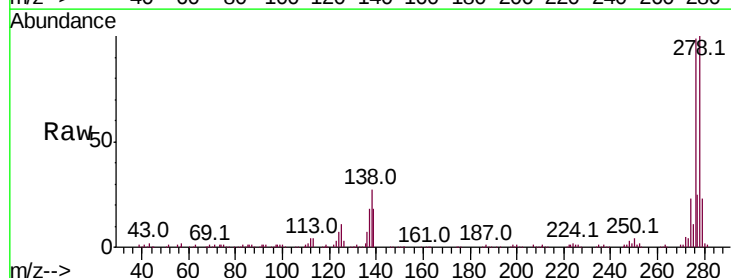
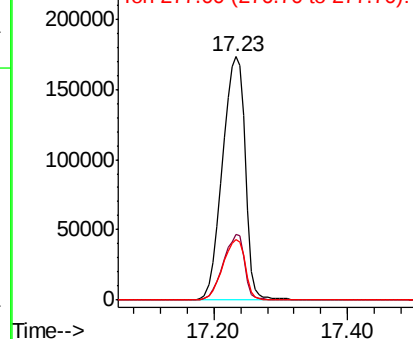
Delta R.T. 0.00 min

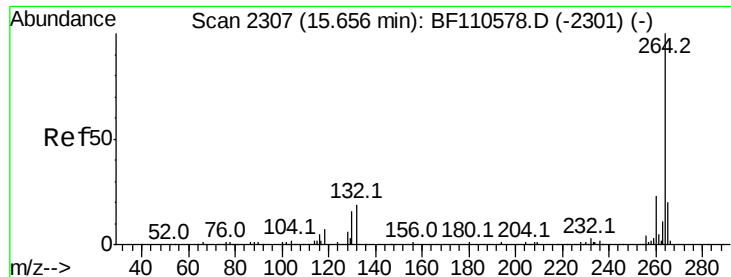
Lab File: BF110722.D

Acq: 13 Nov 2018 16:42

Tgt Ion:	276	Resp:	418216
Ion Ratio	Lower	Upper	
276	100		
138	25.5	18.5	27.7
277	24.5	20.0	30.0

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





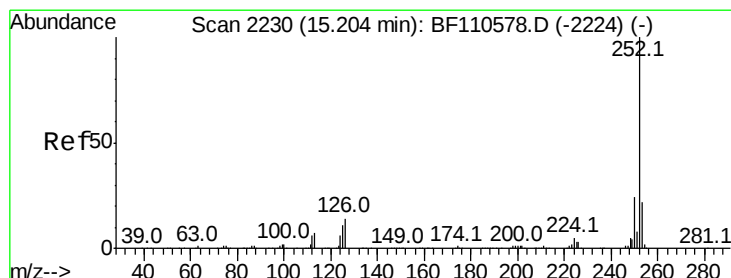
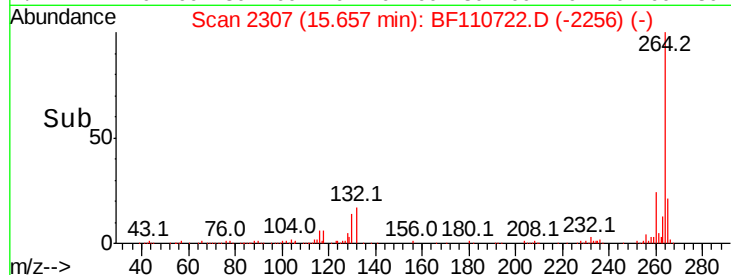
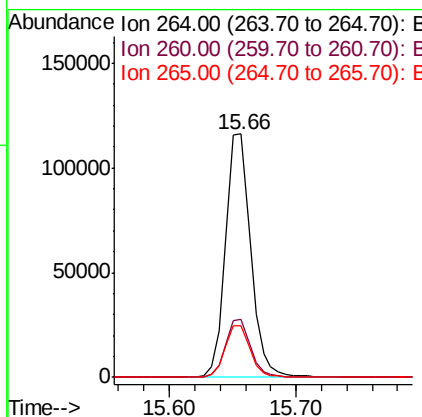
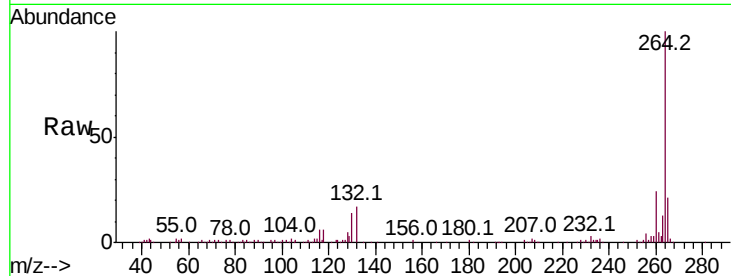
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.1	16.7	25.1

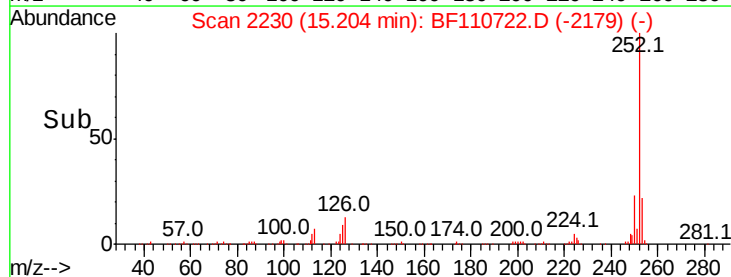
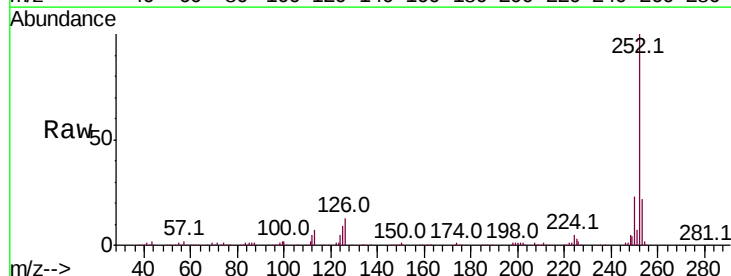
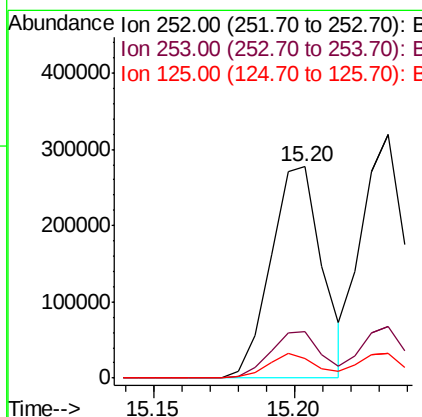
Manual Integrations
APPROVED

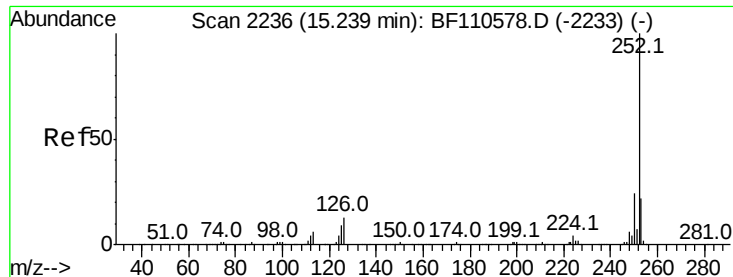
Sohil
11/14/2018 1:48:34 PM



#88
Benzo(b)fluoranthene
Concen: 36.736 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	9.4	8.2	12.4





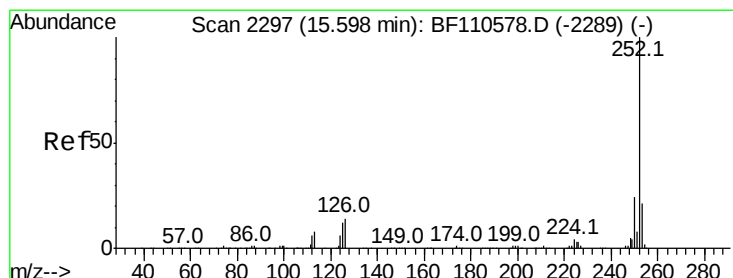
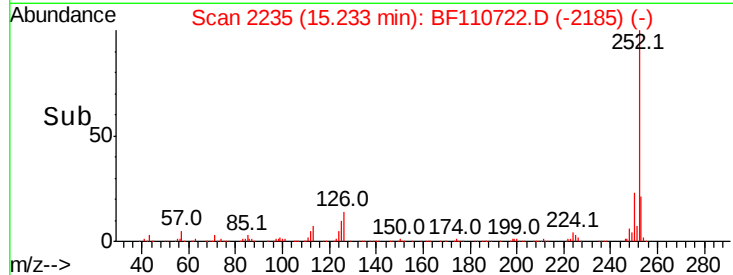
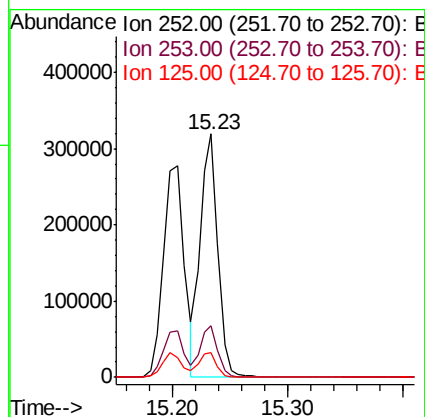
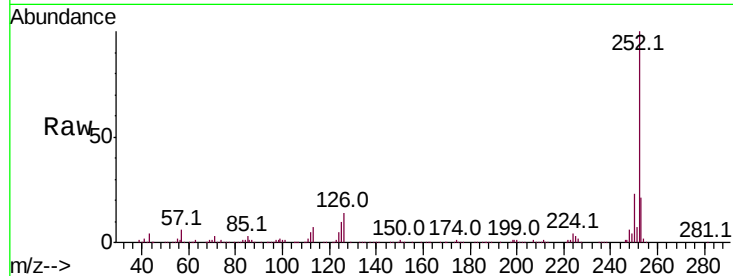
#89
Benzo(k)fluoranthene
Concen: 36.185 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.2	25.8
125	10.4	7.4	11.0

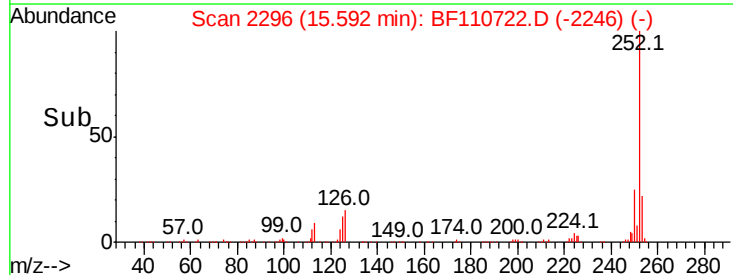
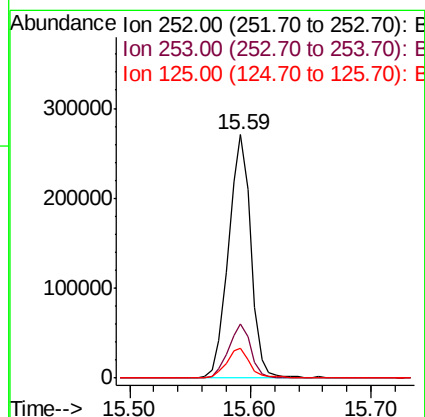
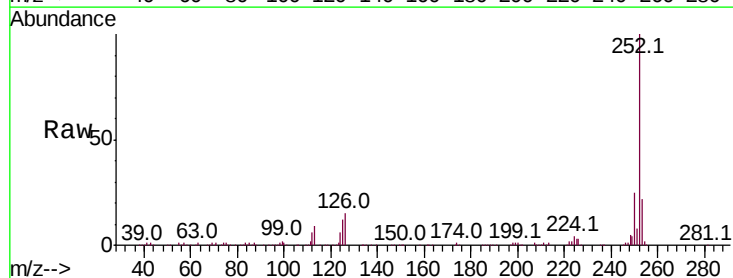
Manual Integrations
APPROVED

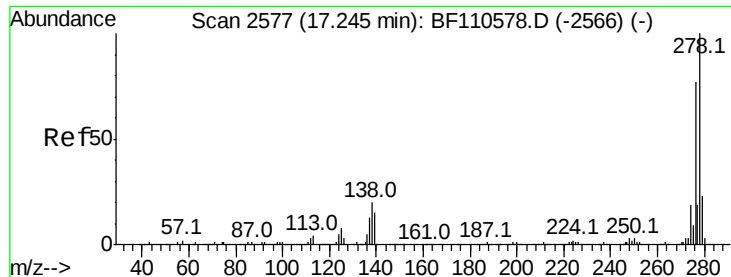
Sohil
11/14/2018 1:48:34 PM



#90
Benzo(a)pyrene
Concen: 40.143 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	12.1	9.0	13.6





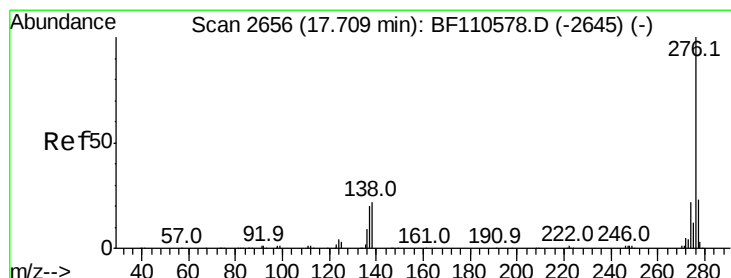
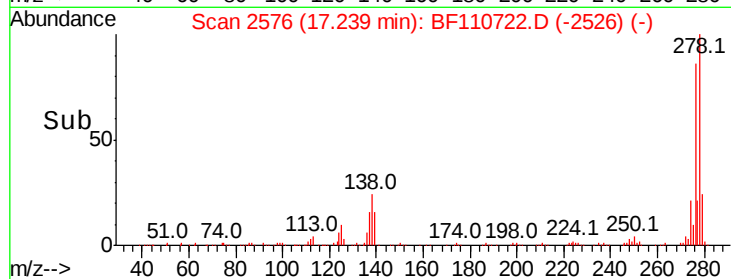
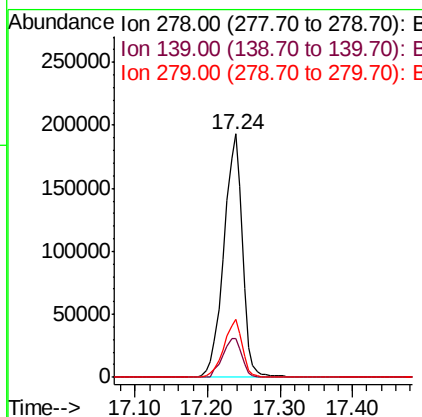
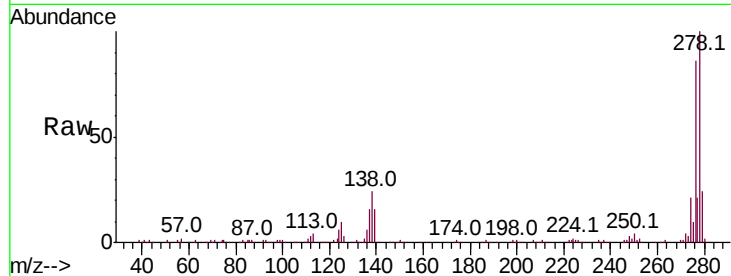
#91
Dibenzo(a,h)anthracene
Concen: 46.981 ng
RT: 17.24 min Scan# 2576
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Instrument :
BNA_F
ClientSampleId :
W-4-DMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.7	19.1
279	23.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
11/14/2018 1:48:34 PM



#92
Benzo(g,h,i)perylene
Concen: 45.863 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.01 min
Lab File: BF110722.D
Acq: 13 Nov 2018 16:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	22.6	16.0	24.0

