

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042619\
 Data File : BF114013.D
 Acq On : 26 Apr 2019 16:49
 Operator : JU/SJ
 Sample : K2571-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Manual Integrations
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Sohil
 4/27/2019 2:36:51 AM

Quant Time: Apr 27 01:16:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	90229	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	353388	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	194068	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	375716	20.00	ng	0.00
76) Chrysene-d12	14.06	240	282535	20.00	ng	0.00
87) Perylene-d12	15.54	264	261241	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	604769	114.64	ng	0.00
7) Phenol-d6	6.52	99	796924	120.41	ng	0.00
23) Nitrobenzene-d5	7.45	82	477299	83.39	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	276713	117.05	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	997006	80.35	ng	0.00
79) Terphenyl-d14	13.00	244	1177403	85.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	82408	33.138	ng	98
3) Pyridine	3.48	79	219226	32.297	ng	96
4) n-Nitrosodimethylamine	3.41	42	82726	35.603	ng	99
6) Aniline	6.56	93	239461	26.347	ng	98
8) 2-Chlorophenol	6.68	128	238709	39.633	ng	99
9) Benzaldehyde	6.44	77	57322	10.703	ng	96
10) Phenol	6.54	94	308863	39.025	ng	96
11) bis(2-Chloroethyl)ether	6.63	93	225723	37.900	ng	96
12) 1,3-Dichlorobenzene	6.84	146	261795	38.378	ng	98
13) 1,4-Dichlorobenzene	6.91	146	267949	39.053	ng	97
14) 1,2-Dichlorobenzene	7.07	146	253021	40.127	ng	98
15) Benzyl Alcohol	7.03	79	191585	42.979	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	258088	37.123	ng	90
17) 2-Methylphenol	7.15	107	210596	39.889	ng	99
18) Hexachloroethane	7.41	117	92284	38.370	ng	96
19) n-Nitroso-di-n-propylamine	7.30	70	167827	39.155	ng	99
20) 3+4-Methylphenols	7.30	107	247967	41.571	ng	# 64
22) Acetophenone	7.30	105	332655	42.301	ng	# 94
24) Nitrobenzene	7.47	77	260528	41.196	ng	97
25) Isophorone	7.71	82	467955	39.958	ng	98
26) 2-Nitrophenol	7.79	139	130407	45.200	ng	99
27) 2,4-Dimethylphenol	7.83	122	207883	44.224	ng	99
28) bis(2-Chloroethoxy)methane	7.92	93	297323	39.842	ng	99
29) 2,4-Dichlorophenol	8.03	162	226801	42.193	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	242555	40.469	ng	100
31) Naphthalene	8.20	128	698296	41.595	ng	99
32) Benzoic acid	7.89	122	24589m	7.746	ng	
33) 4-Chloroaniline	8.24	127	191739	26.992	ng	97
34) Hexachlorobutadiene	8.32	225	143985	38.537	ng	98
35) Caprolactam	8.60	113	69071m	40.394	ng	
36) 4-Chloro-3-methylphenol	8.73	107	226148	42.466	ng	97
37) 2-Methylnaphthalene	8.89	142	488004	43.107	ng	100
38) 1-Methylnaphthalene	8.99	142	460083	42.107	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	249499	39.578	ng	100

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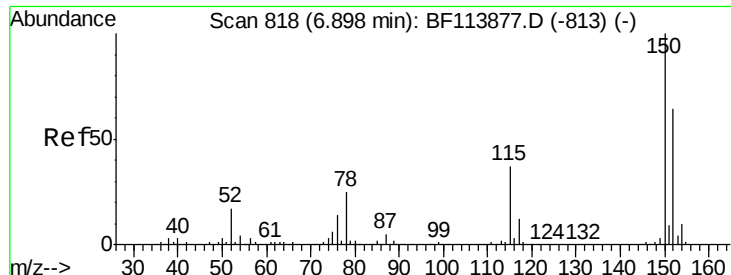
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	258676	73.585	ng	99
43) 2,4,6-Trichlorophenol	9.17	196	171252	42.781	ng	100
44) 2,4,5-Trichlorophenol	9.21	196	192507	42.875	ng	97
46) 1,1'-Biphenyl	9.35	154	619485	41.785	ng	98
47) 2-Chloronaphthalene	9.38	162	493870	40.964	ng	99
48) 2-Nitroaniline	9.47	65	140224	44.368	ng	89
49) Acenaphthylene	9.80	152	768118	40.696	ng	98
50) Dimethylphthalate	9.65	163	690826	49.220	ng	99
51) 2,6-Dinitrotoluene	9.71	165	132689	44.067	ng	98
52) Acenaphthene	9.97	154	465094	41.696	ng	97
53) 3-Nitroaniline	9.87	138	116704	36.883	ng	99
54) 2,4-Dinitrophenol	9.99	184	55688	46.620	ng	# 1
55) Dibenzofuran	10.14	168	691822	41.405	ng	99
56) 4-Nitrophenol	10.04	139	202982	81.022	ng	98
57) 2,4-Dinitrotoluene	10.11	165	180125	47.393	ng	96
58) Fluorene	10.48	166	525697	41.790	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.26	232	155774	39.479	ng	# 99
60) Diethylphthalate	10.35	149	569078	42.697	ng	99
61) 4-Chlorophenyl-phenylether	10.47	204	273873	41.110	ng	98
62) 4-Nitroaniline	10.49	138	133255	43.156	ng	94
63) Azobenzene	10.63	77	512685	39.689	ng	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	50110	31.976	ng	87
66) n-Nitrosodiphenylamine	10.59	169	482121	42.766	ng	98
67) 4-Bromophenyl-phenylether	10.96	248	181335	39.952	ng	98
68) Hexachlorobenzene	11.04	284	196209	39.339	ng	96
69) Atrazine	11.12	200	164667	44.901	ng	98
70) Pentachlorophenol	11.23	266	168606	59.705	ng	97
71) Phenanthrene	11.44	178	788982	41.785	ng	99
72) Anthracene	11.50	178	809941	42.477	ng	99
73) Carbazole	11.64	167	708784	41.666	ng	99
74) Di-n-butylphthalate	11.98	149	868765	43.415	ng	100
75) Fluoranthene	12.64	202	855136	41.510	ng	97
77) Benzidine	12.75	184	141929	16.860	ng	# 88
78) Pyrene	12.86	202	861953	43.625	ng	99
80) Butylbenzylphthalate	13.47	149	373149	48.001	ng	98
81) Benzo(a)anthracene	14.05	228	726351	43.634	ng	99
82) 3,3'-Dichlorobenzidine	14.00	252	134321	22.015	ng	100
83) Chrysene	14.09	228	716723	44.209	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	525938	53.175	ng	99
85) Di-n-octyl phthalate	14.66	149	804966	51.996	ng	99
86) Indeno(1,2,3-cd)pyrene	17.04	276	730936	47.598	ng	98
88) Benzo(b)fluoranthene	15.12	252	660626	39.969	ng	100
89) Benzo(k)fluoranthene	15.14	252	628694	44.220	ng	99
90) Benzo(a)pyrene	15.49	252	617769	43.211	ng	99
91) Dibenzo(a,h)anthracene	17.06	278	610479	45.489	ng	99
92) Benzo(g,h,i)perylene	17.49	276	608748	44.948	ng	99

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



#1

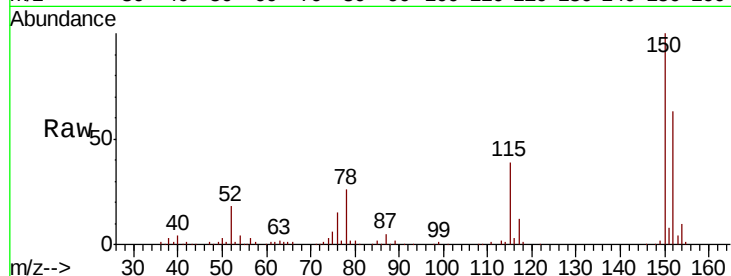
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.9	188.9
115	62.8	45.9	68.9

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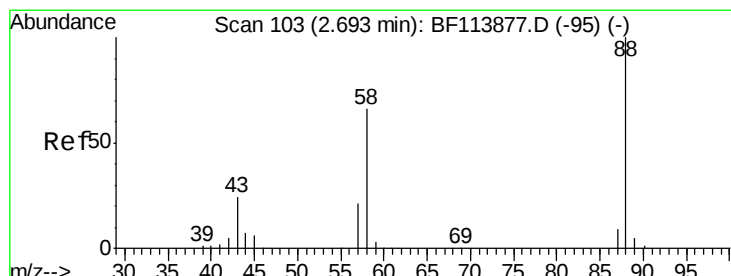
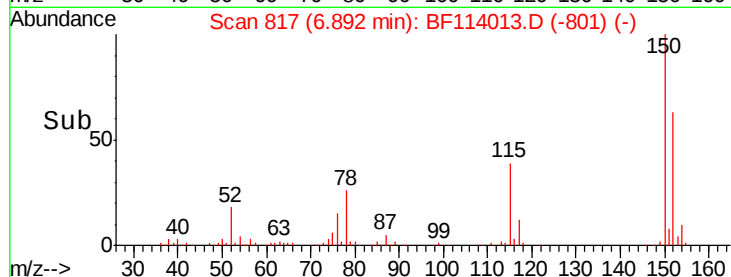
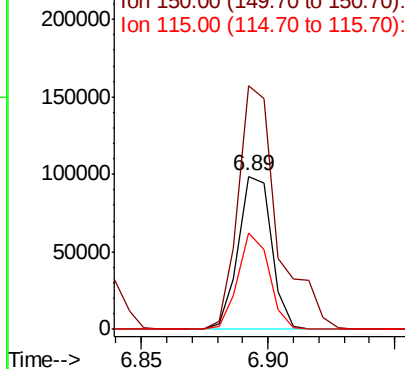


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.138 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.02 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

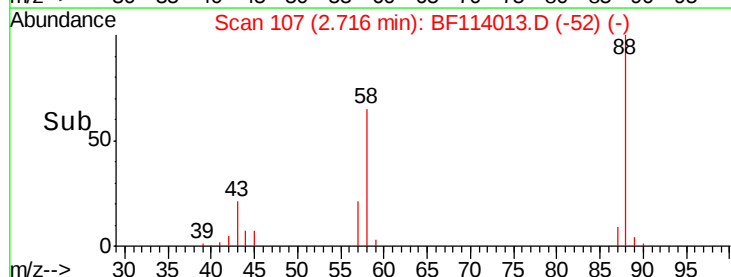
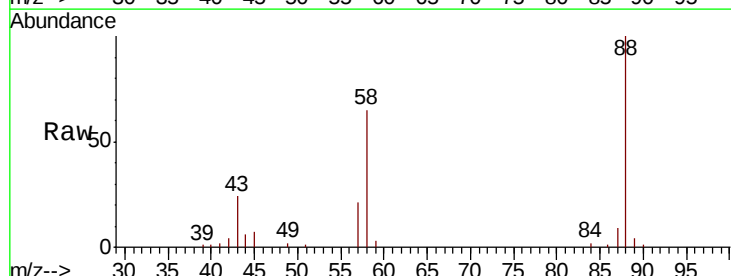
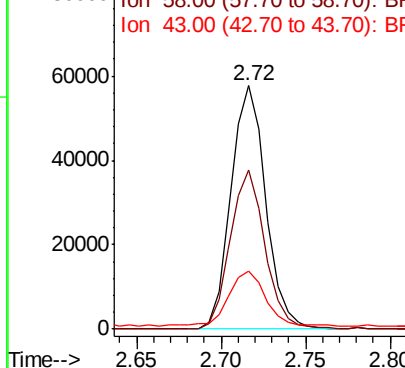
Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.4	53.3	79.9
43	24.5	19.0	28.4

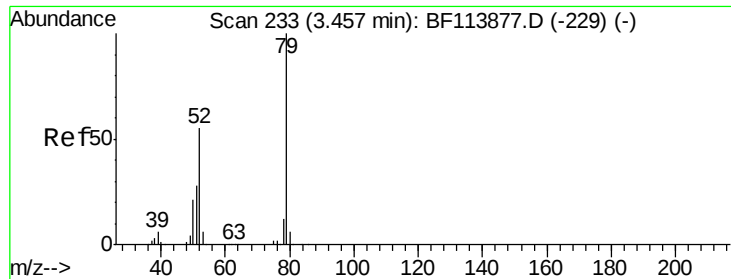
Abundance

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

Pyridine

Concen: 32.297 ng

RT: 3.48 min Scan# 237

Delta R.T. 0.02 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

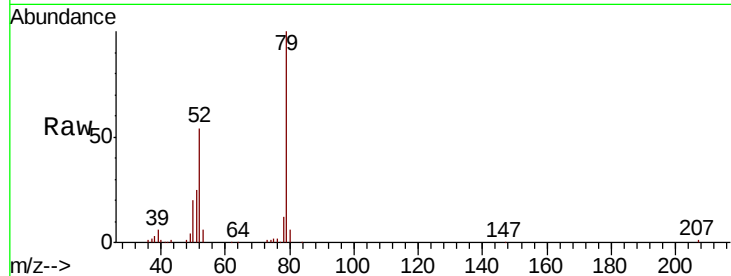
ClientSampleId :

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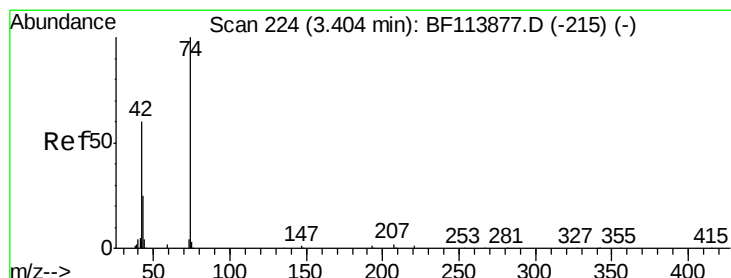
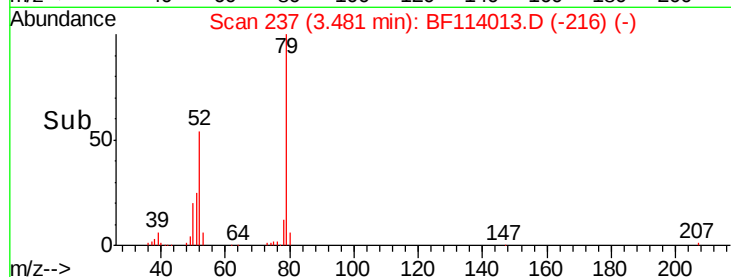
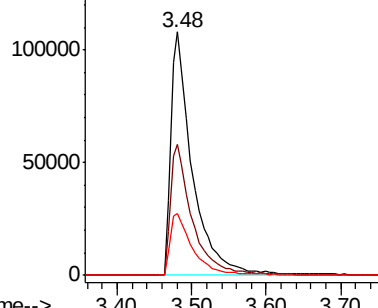
Tgt Ion:	79	Resp:	219226
Ion	Ratio	Lower	Upper
79	100		
52	53.6	45.3	67.9
51	25.4	22.1	33.1

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 35.603 ng

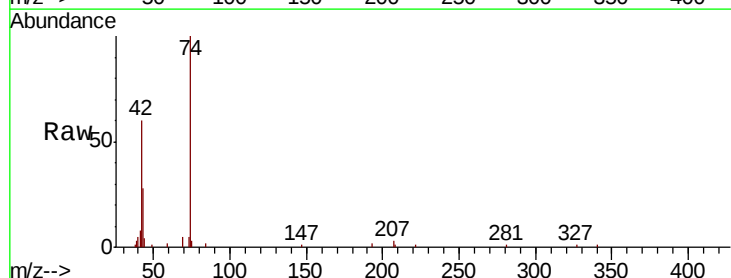
RT: 3.41 min Scan# 225

Delta R.T. 0.01 min

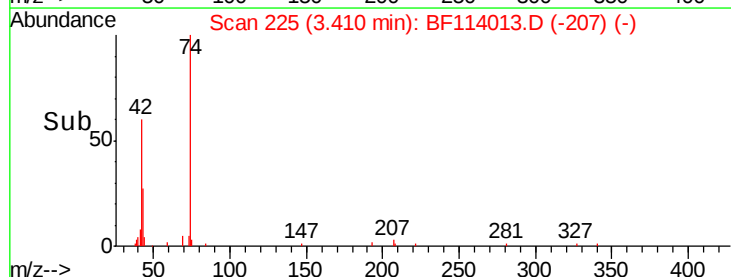
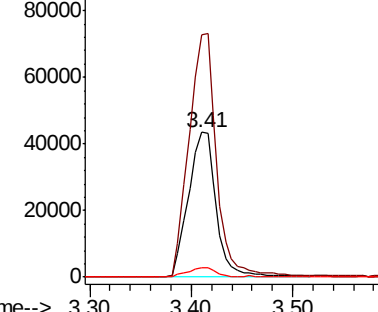
Lab File: BF114013.D

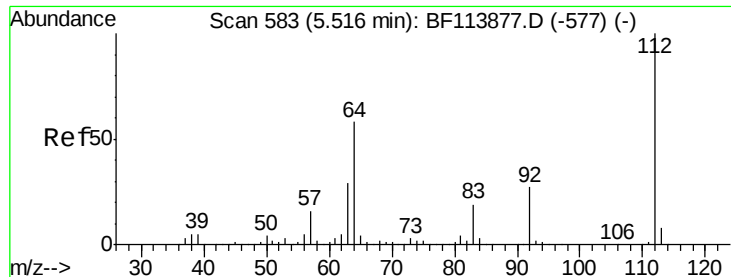
Acq: 26 Apr 2019 16:49

Tgt Ion:	42	Resp:	82726
Ion	Ratio	Lower	Upper
42	100		
74	167.6	132.6	198.8
44	6.3	5.8	8.8



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 114.638 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

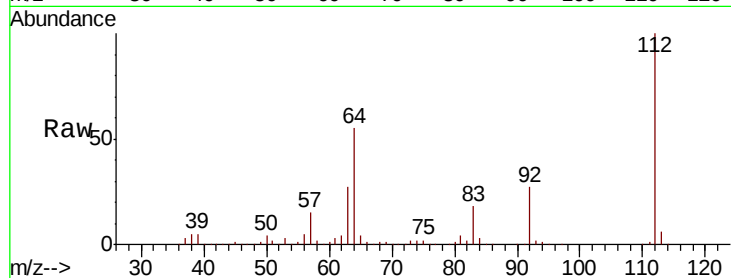
ClientSampleId :

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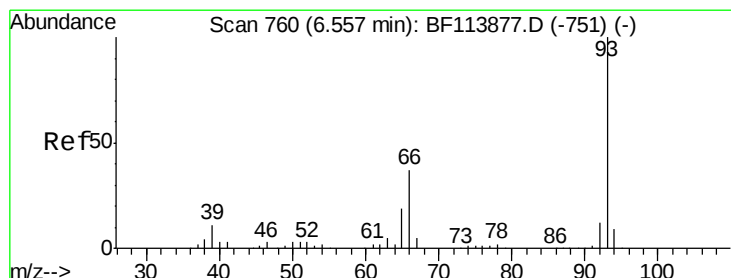
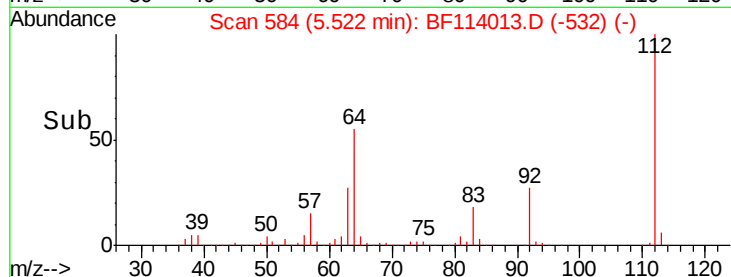
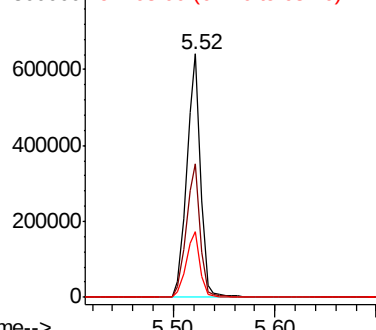
Tgt Ion:	112	Resp:	604769
Ion Ratio	Lower	Upper	
112	100		
64	54.7	46.6	69.8
63	27.2	23.1	34.7

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



#6

Aniline

Concen: 26.347 ng

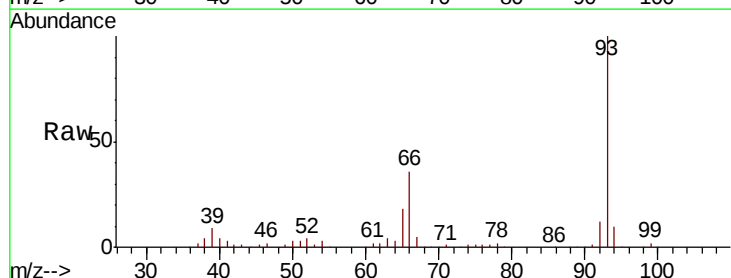
RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

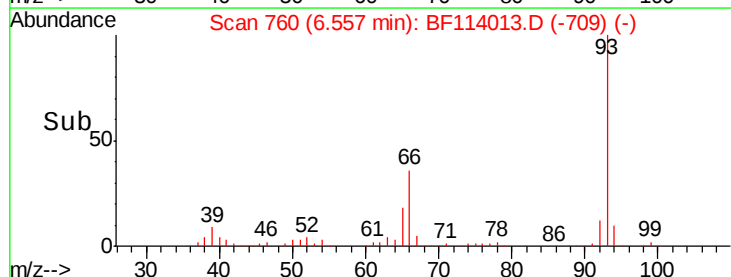
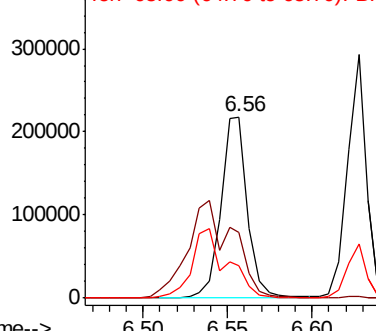
Lab File: BF114013.D

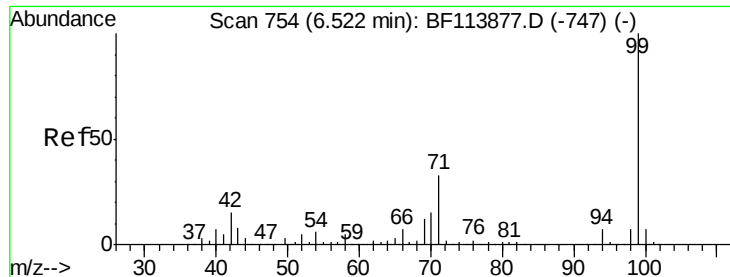
Acq: 26 Apr 2019 16:49

Tgt Ion:	93	Resp:	239461
Ion Ratio	Lower	Upper	
93	100		
66	36.3	29.8	44.6
65	18.0	14.9	22.3



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





#7

Phenol-d6

Concen: 120.405 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

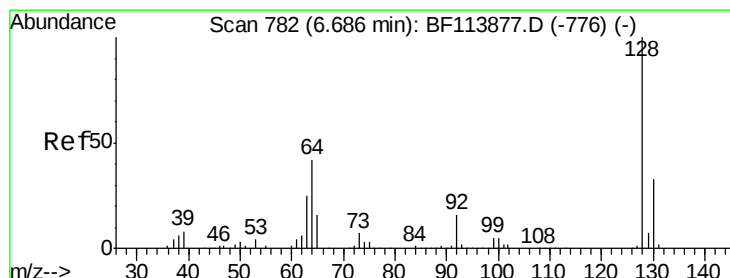
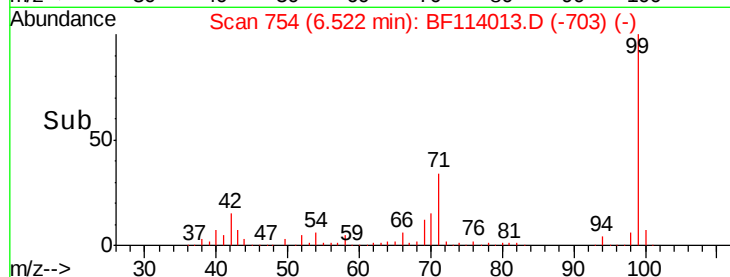
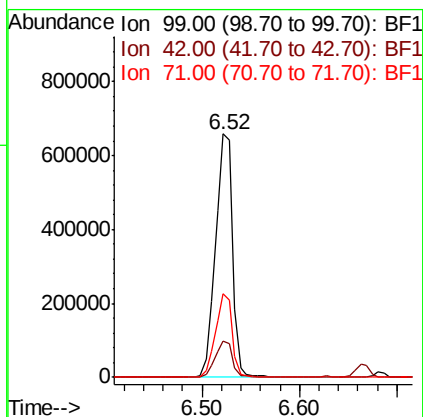
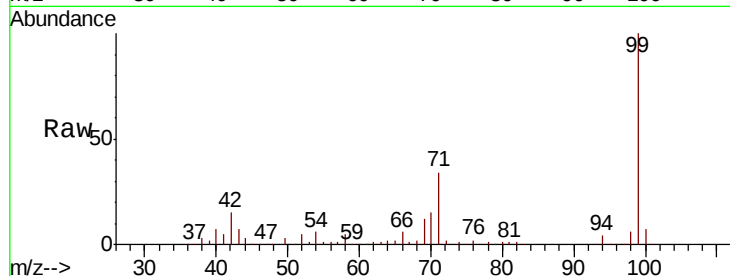
ClientSampleId :

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Tgt Ion:	99	Resp:	796924
Ion Ratio	Lower	Upper	
99	100		
42	15.0	12.5	18.7
71	34.3	26.9	40.3

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#8

2-Chlorophenol

Concen: 39.633 ng

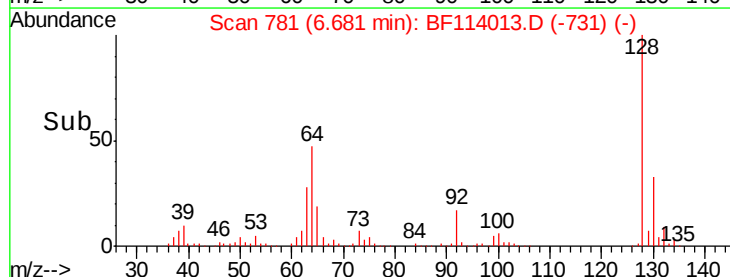
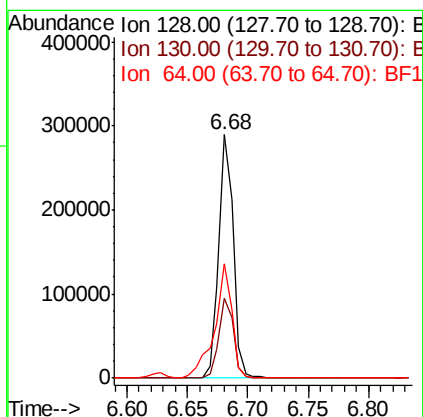
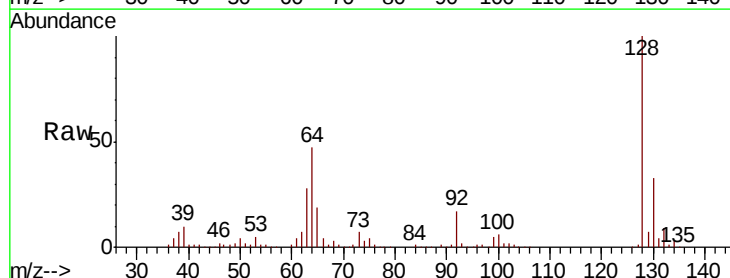
RT: 6.68 min Scan# 781

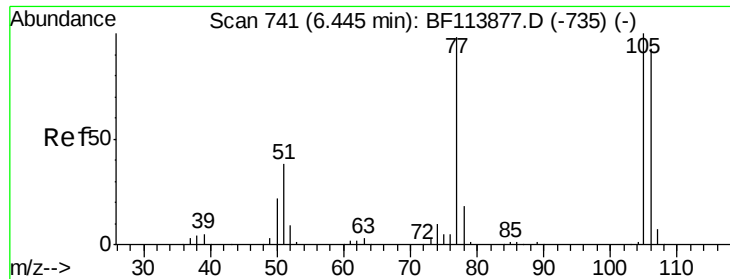
Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion:	128	Resp:	238709
Ion Ratio	Lower	Upper	
128	100		
130	32.8	12.3	52.3
64	47.0	26.1	66.1





#9

Benzaldehyde

Concen: 10.703 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

ClientSampleId :

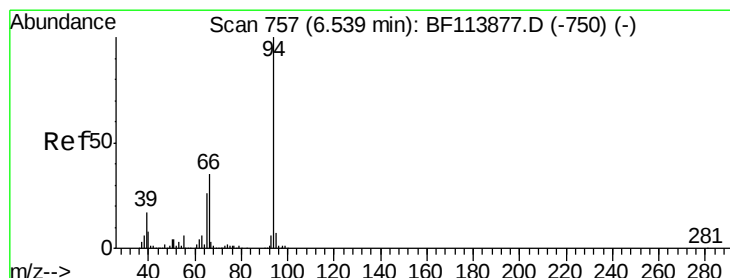
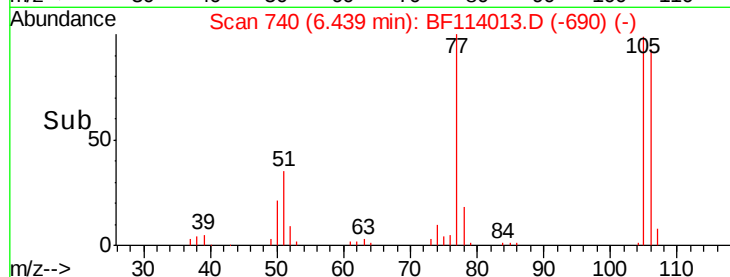
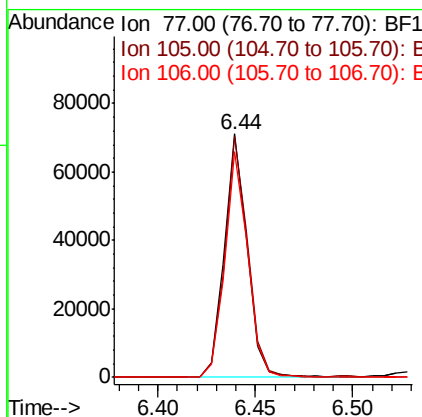
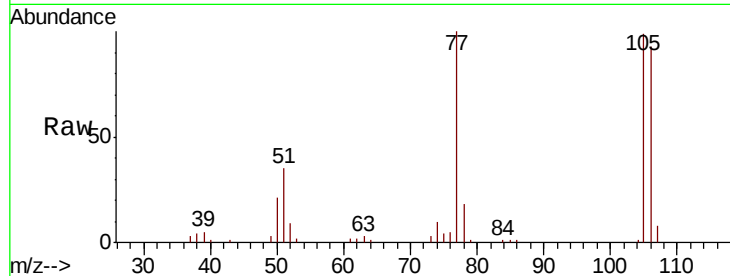
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Tgt Ion: 77 Resp: 57322

Ion	Ratio	Lower	Upper
77	100		
105	98.8	74.1	114.1
106	92.8	70.3	110.3

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#10

Phenol

Concen: 39.025 ng

RT: 6.54 min Scan# 757

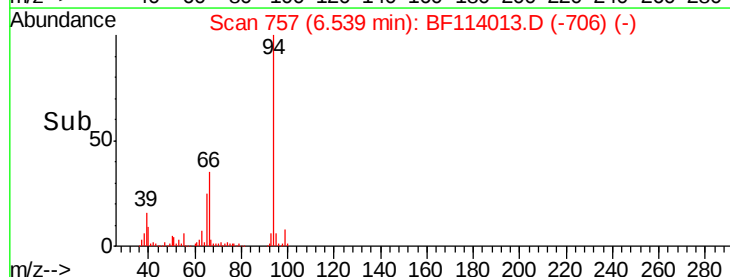
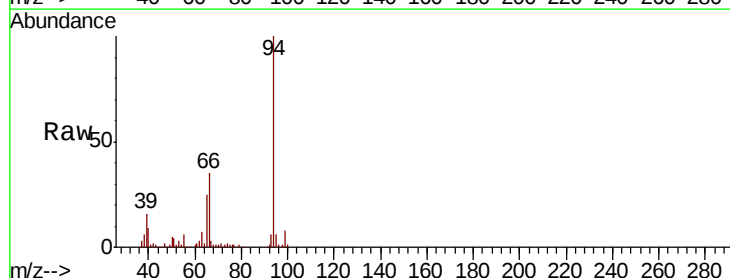
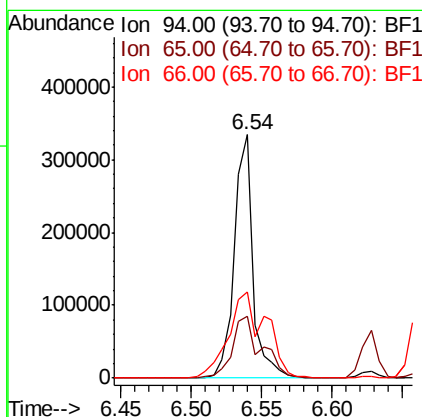
Delta R.T. -0.00 min

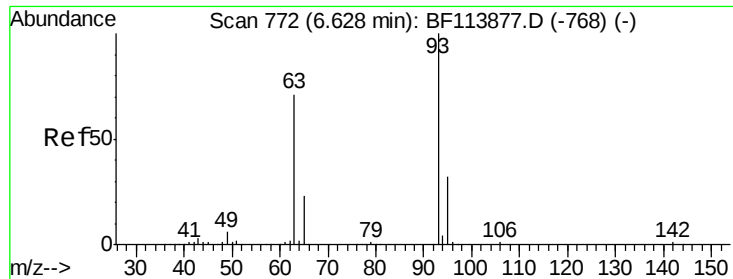
Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion: 94 Resp: 308863

Ion	Ratio	Lower	Upper
94	100		
65	25.2	8.1	48.1
66	35.3	16.6	56.6





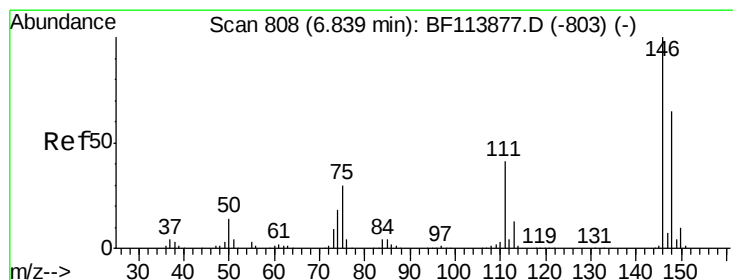
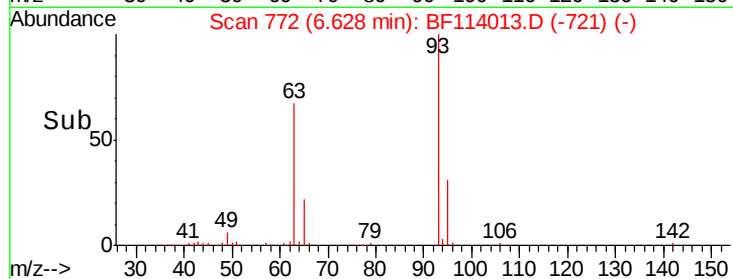
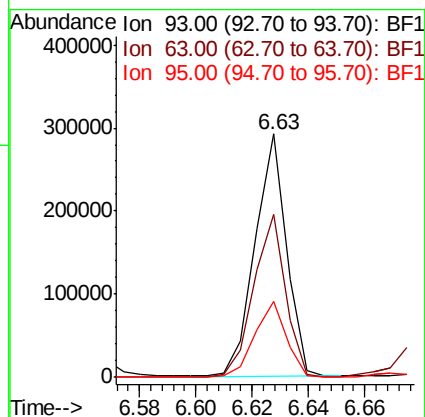
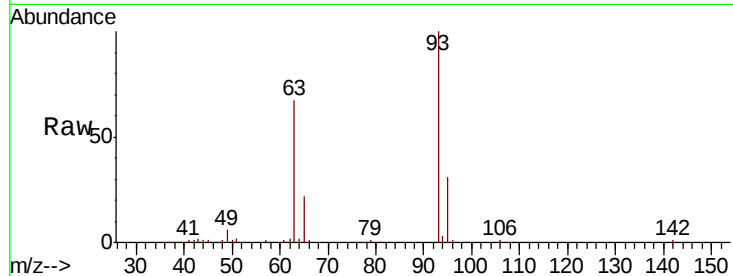
#11
bis(2-Chloroethyl)ether
Concen: 37.900 ng
RT: 6.63 min Scan# 772
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion:	93	Resp:	225723
Ion	Ratio	Lower	Upper
93	100		
63	67.0	50.7	90.7
95	31.3	12.3	52.3

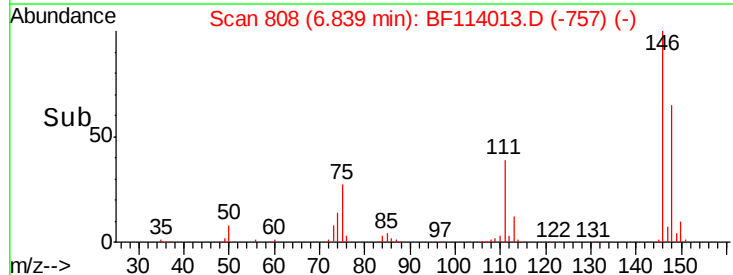
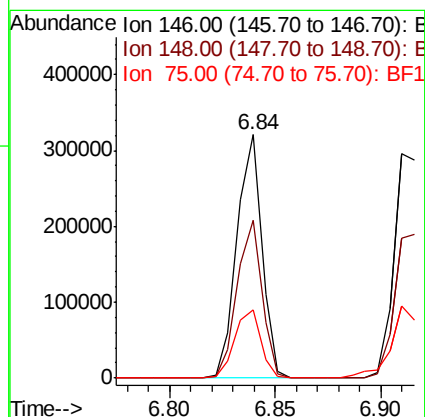
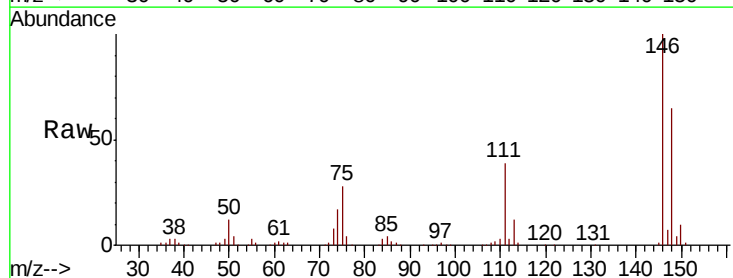
Manual Integrations
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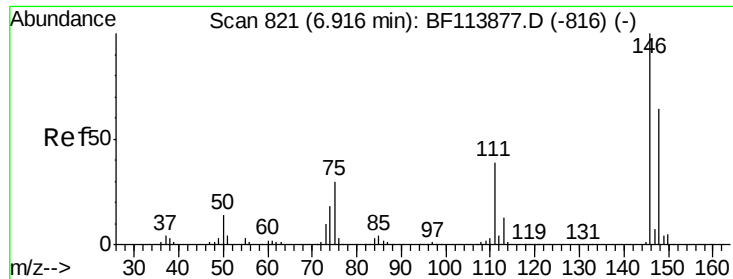
Sohil
4/27/2019 2:36:51 AM



#12
1,3-Dichlorobenzene
Concen: 38.378 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion:	146	Resp:	261795
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.0	76.6
75	27.8	23.8	35.8





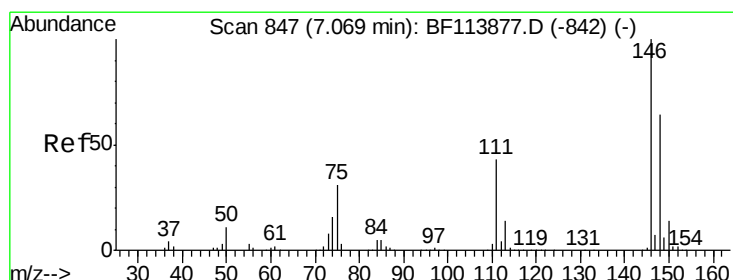
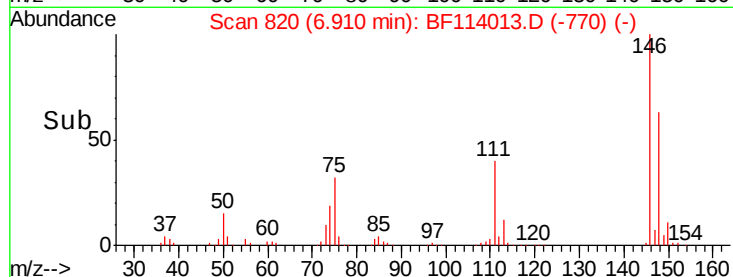
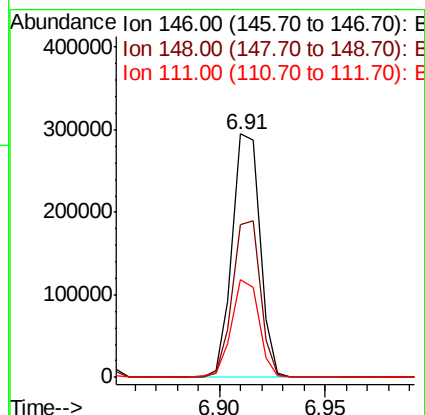
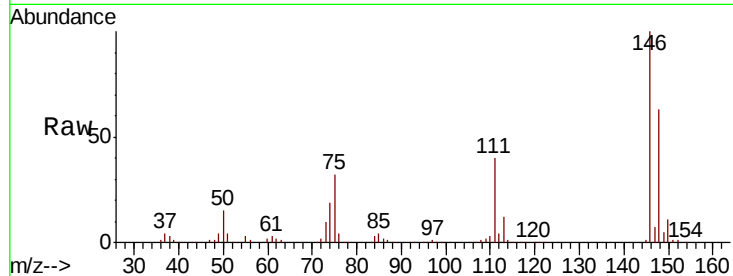
#13
 1,4-Dichlorobenzene
 Concen: 39.053 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.8	77.8
111	40.4	30.9	46.3

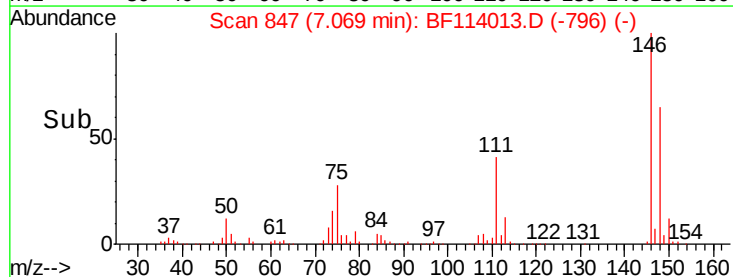
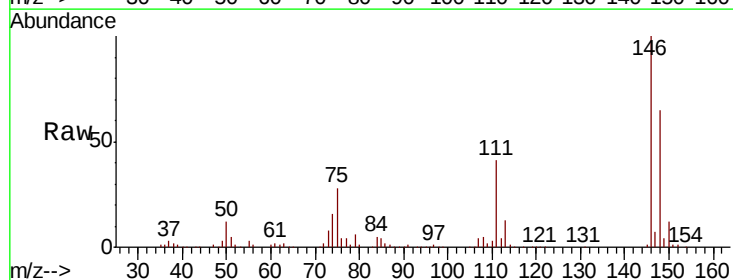
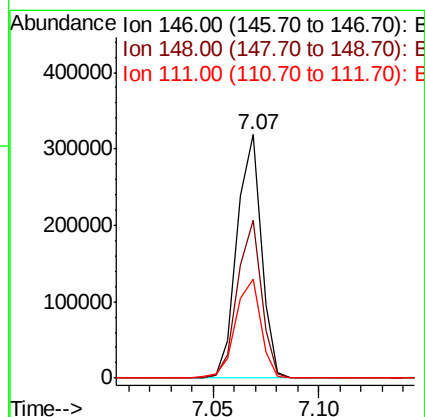
Manual Integrations
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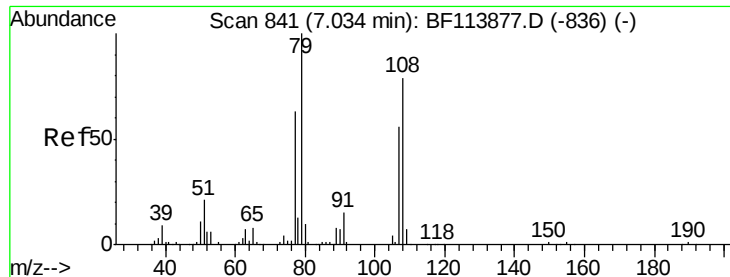
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 40.127 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.1	78.1
111	40.9	34.2	51.4





#15

Benzyl Alcohol

Concen: 42.979 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

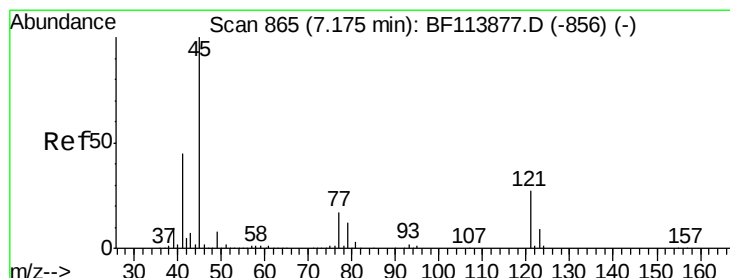
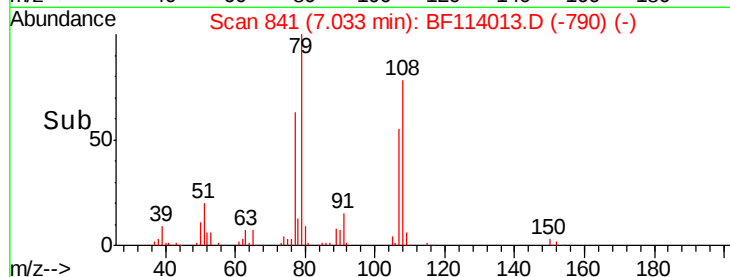
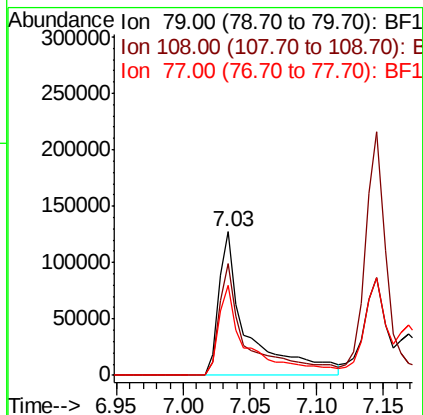
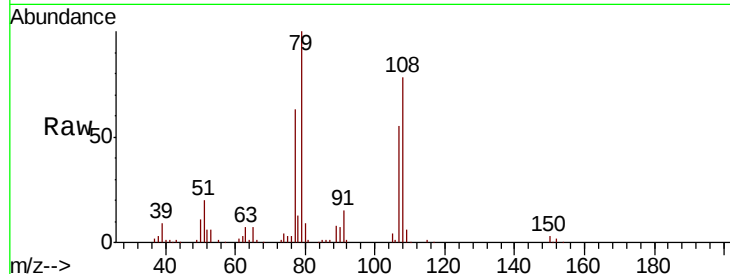
ClientSampleId :

114-PENNINGTONMS

Tgt Ion:	79	Resp:	191585
Ion	Ratio	Lower	Upper
79	100		
108	77.7	61.4	92.0
77	63.2	51.6	77.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.123 ng

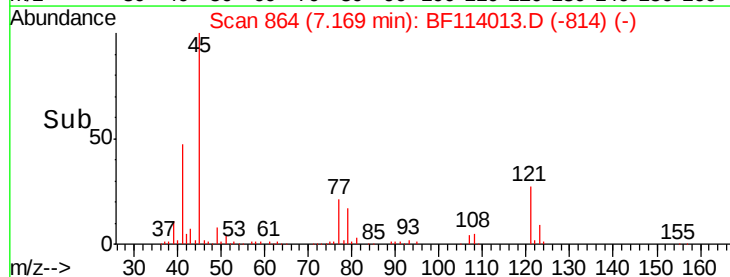
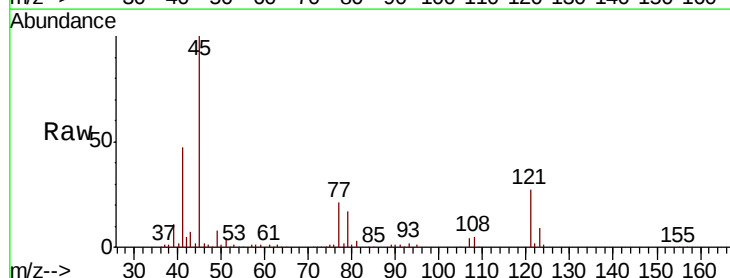
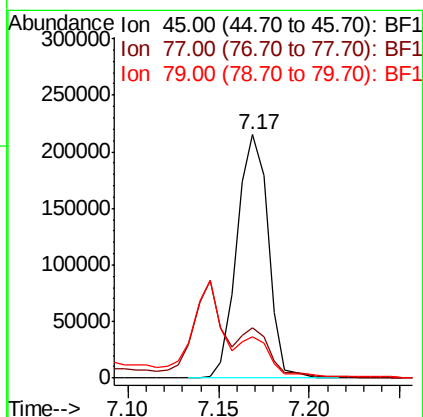
RT: 7.17 min Scan# 864

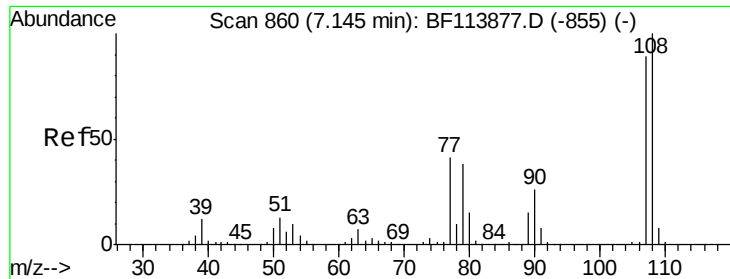
Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion:	45	Resp:	258088
Ion	Ratio	Lower	Upper
45	100		
77	20.7	0.0	37.0
79	17.1	0.0	32.7





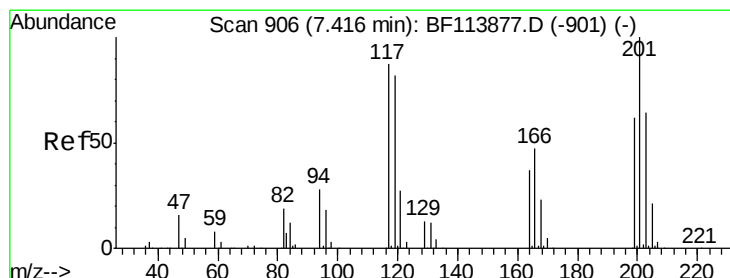
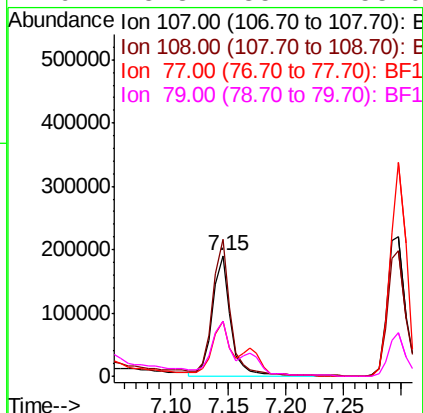
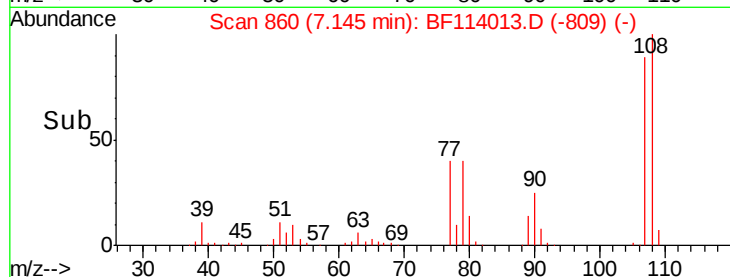
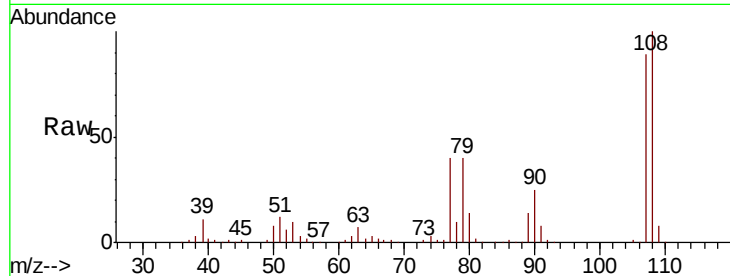
#17
2-Methylphenol
Concen: 39.889 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	210596		
108	113.0	91.5	137.3	
77	45.2	36.2	54.4	
79	45.3	35.4	53.0	

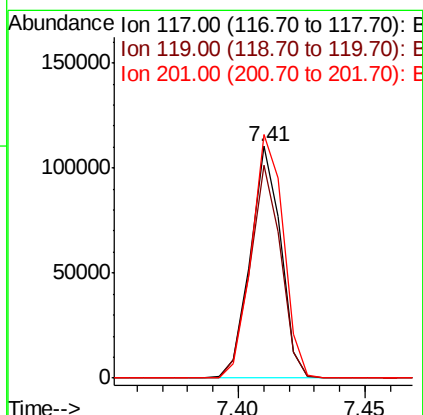
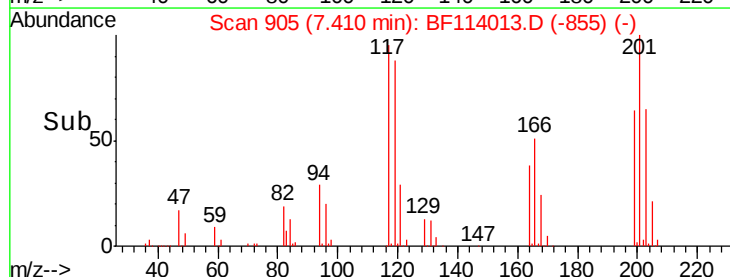
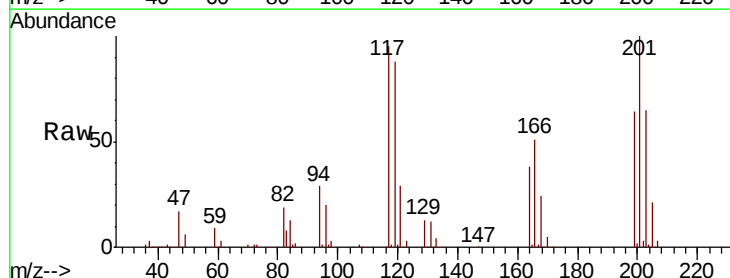
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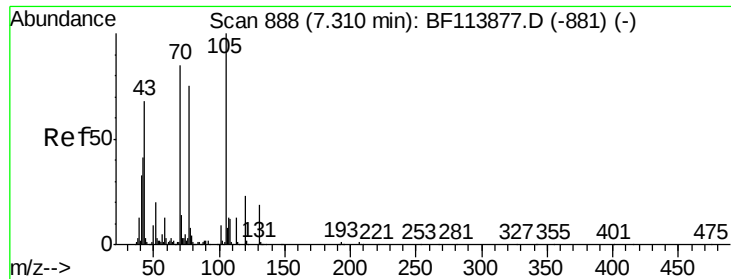
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#18
Hexachloroethane
Concen: 38.370 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	92284		
119	92.0	74.4	111.6	
201	105.0	90.2	135.2	





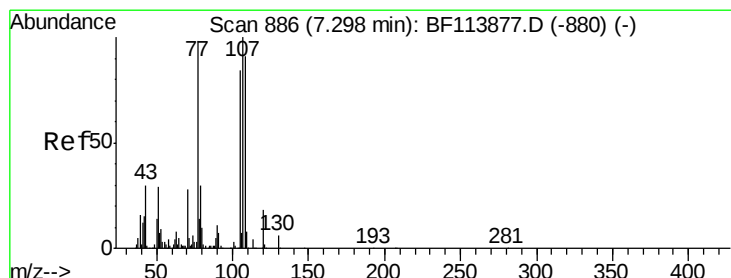
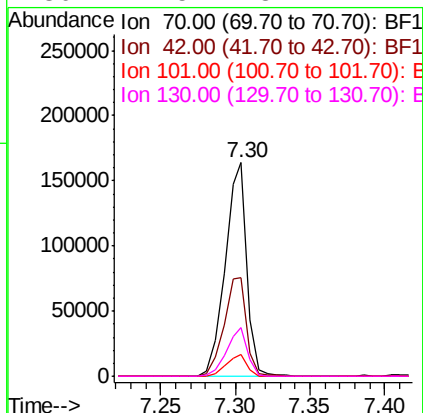
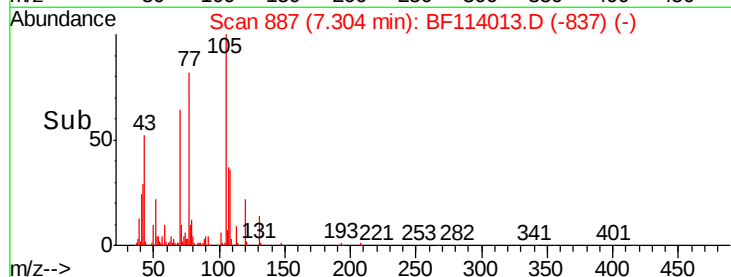
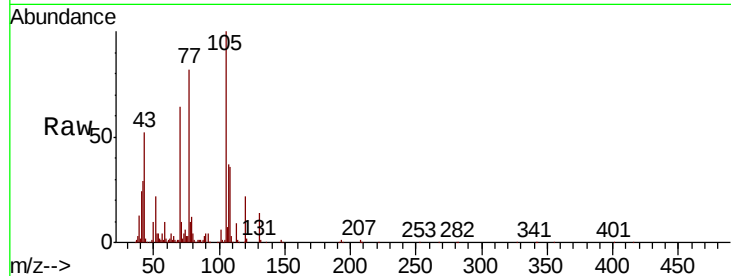
#19
n-Nitroso-di-n-propylamine
Concen: 39.155 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	46.1	37.3	55.9
101	10.1	7.8	11.8
130	22.5	18.2	27.2

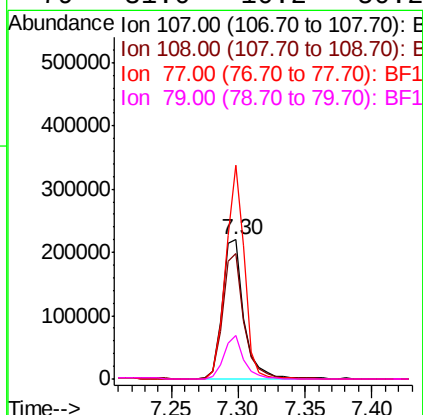
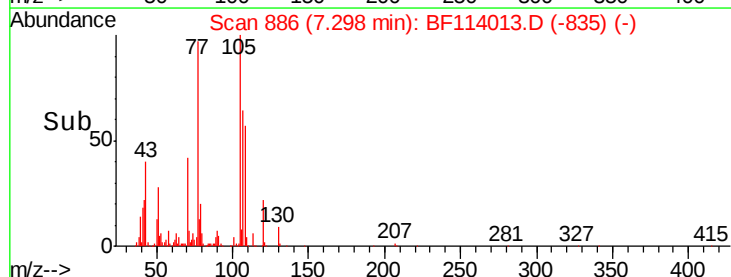
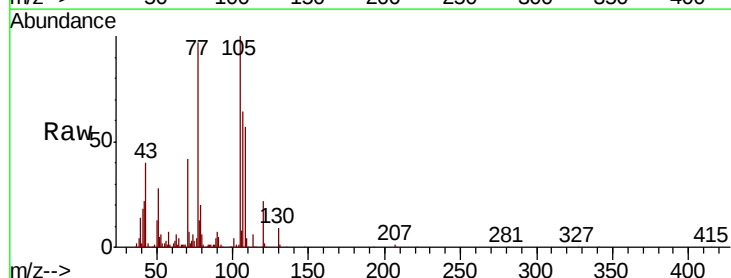
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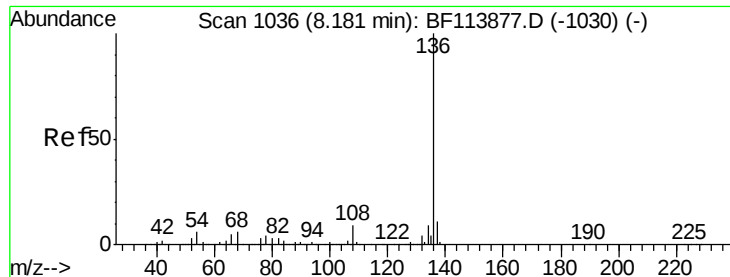
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#20
3+4-Methylphenols
Concen: 41.571 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.1	110.1
77	153.2	52.9	92.9#
79	31.0	10.2	50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

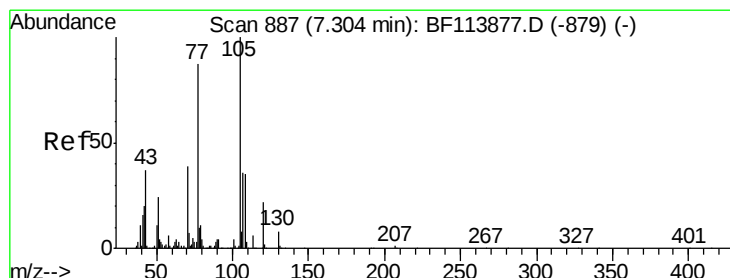
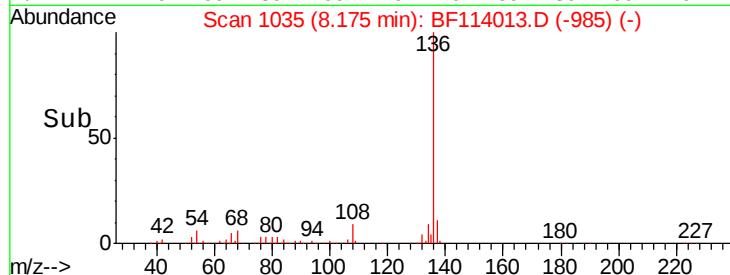
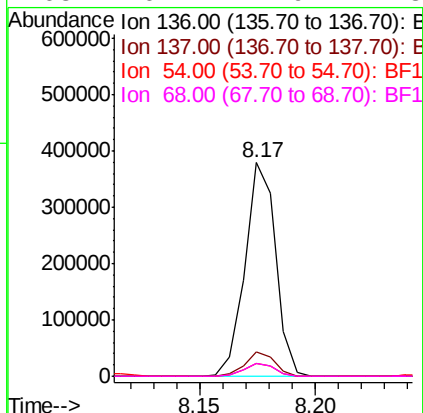
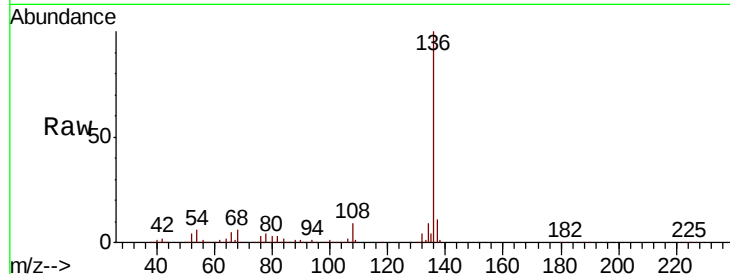
ClientSampleId :

114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	353388		
137	11.2	8.6	12.8	
54	6.2	5.0	7.6	
68	6.2	4.9	7.3	

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#22

Acetophenone

Concen: 42.301 ng

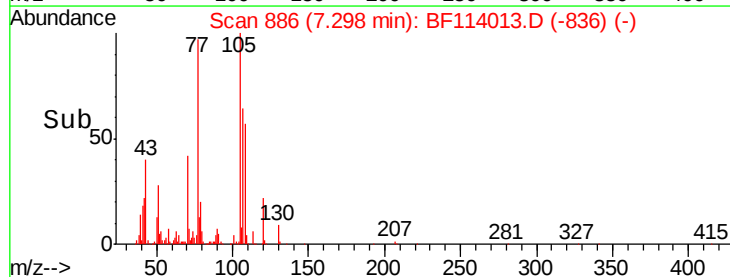
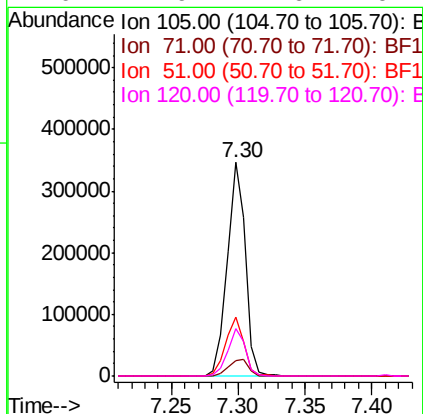
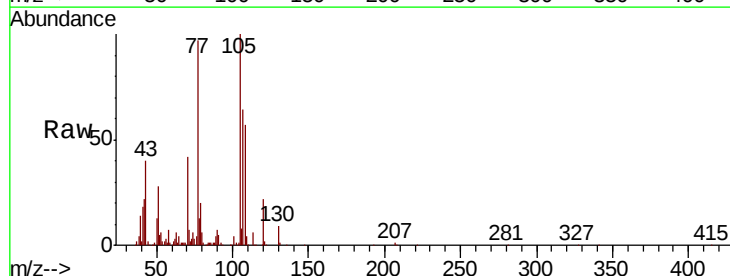
RT: 7.30 min Scan# 886

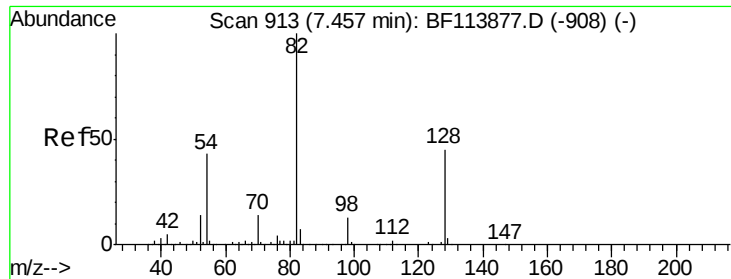
Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332655		
71	7.3	6.1	9.1	
51	27.7	16.8	25.2	
120	21.9	17.6	26.4	





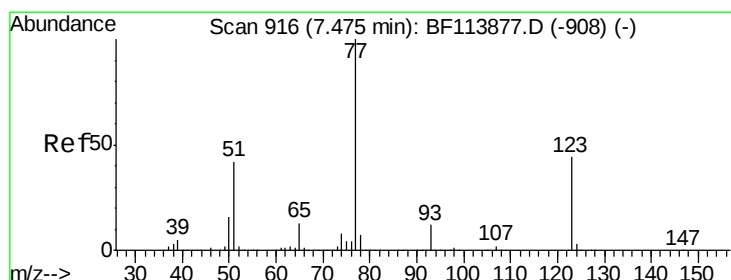
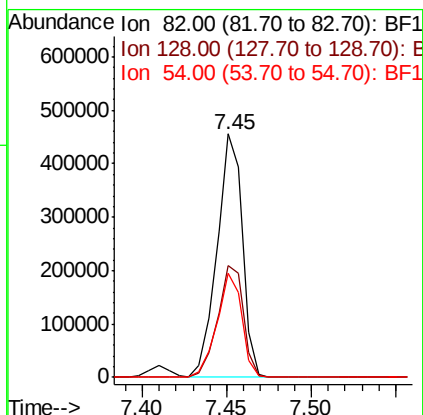
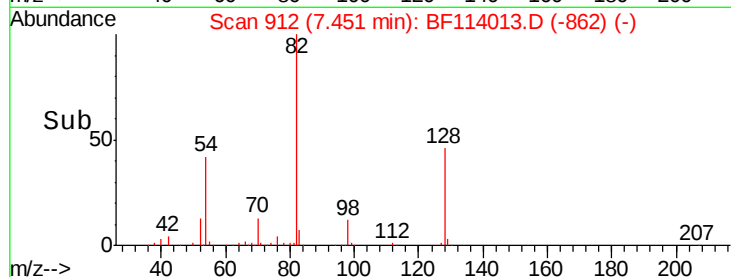
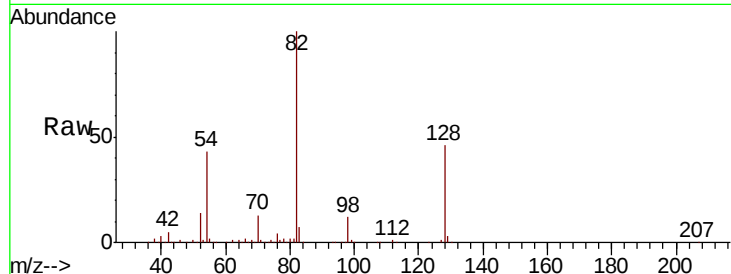
#23
 Nitrobenzene-d5
 Concen: 83.394 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.8	55.2
54	42.5	33.8	50.6

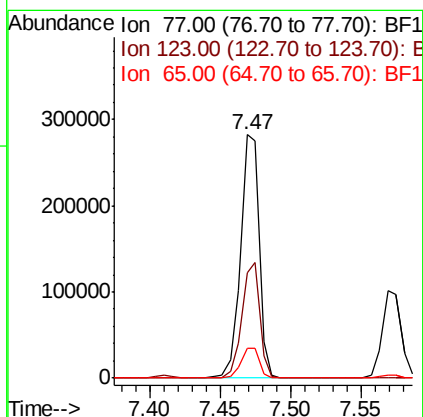
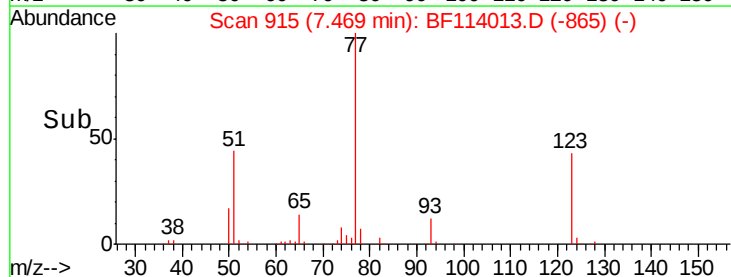
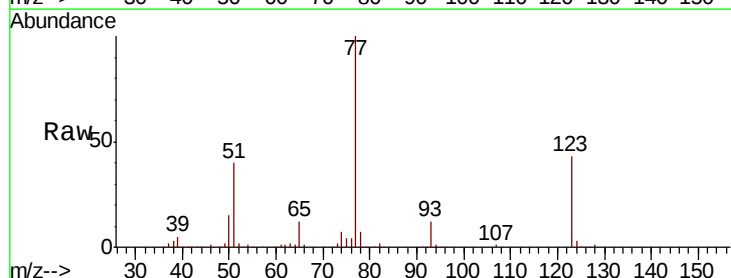
Manual Integrations
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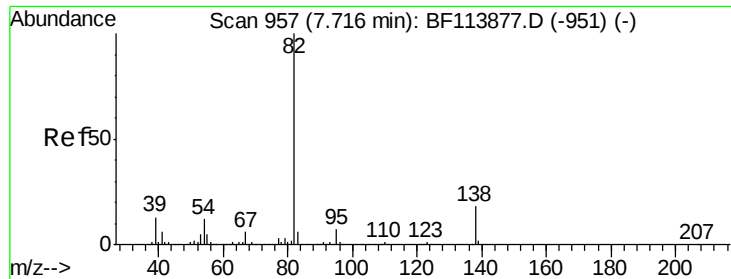
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#24
 Nitrobenzene
 Concen: 41.196 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.3	54.5
65	12.4	10.3	15.5





#25

Isophorone

Concen: 39.958 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

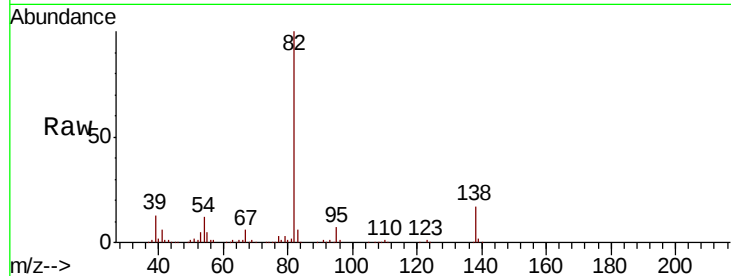
ClientSampleId :

114-PENNINGTONMS

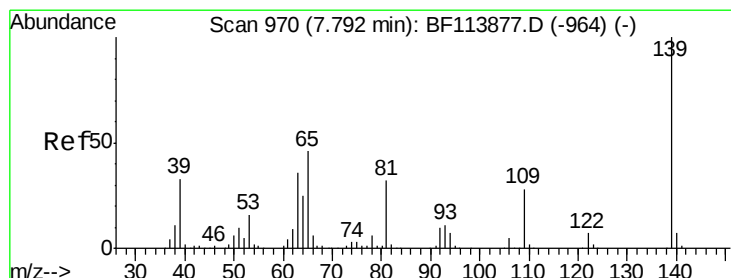
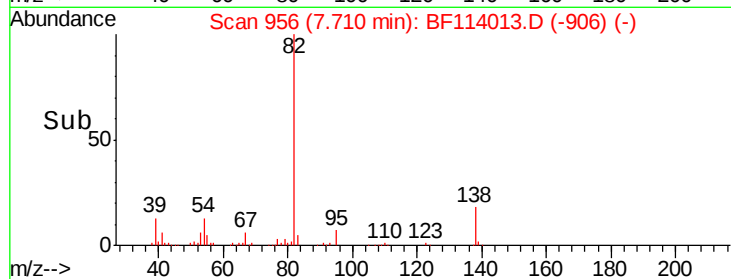
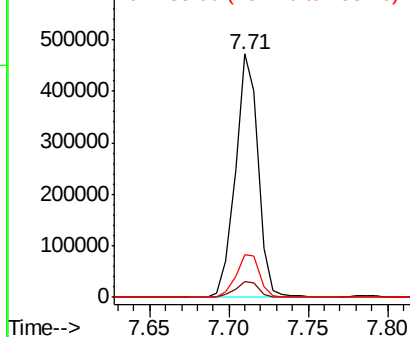
Tgt Ion:	82	Resp:	467955
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.4	8.2
138	17.3	14.6	22.0

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 45.200 ng

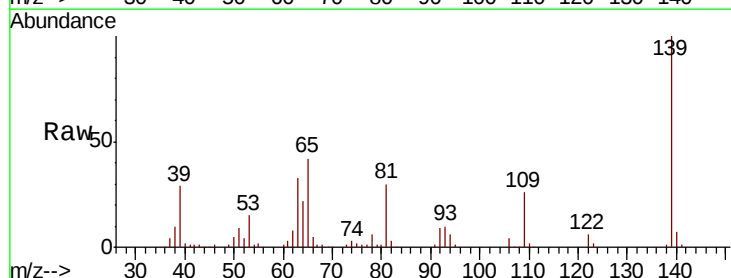
RT: 7.79 min Scan# 970

Delta R.T. -0.00 min

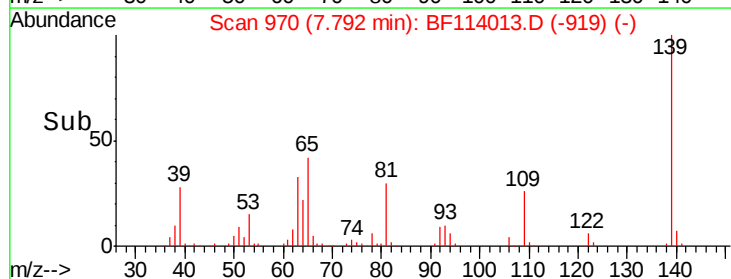
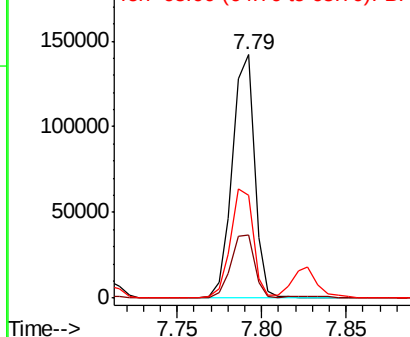
Lab File: BF114013.D

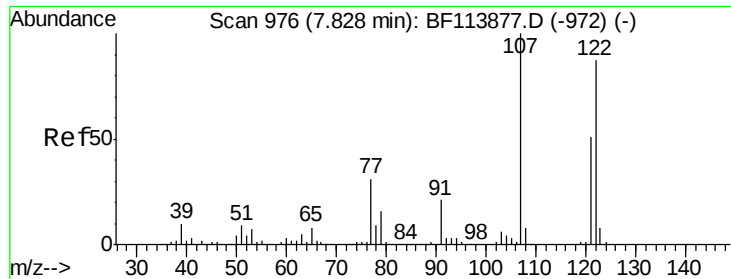
Acq: 26 Apr 2019 16:49

Tgt Ion:	139	Resp:	130407
Ion Ratio	Lower	Upper	
139	100		
109	26.1	20.6	31.0
65	42.4	34.6	52.0



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





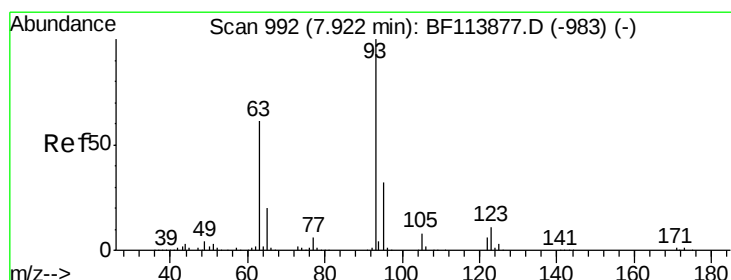
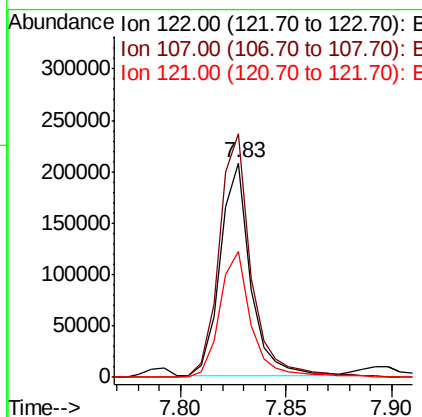
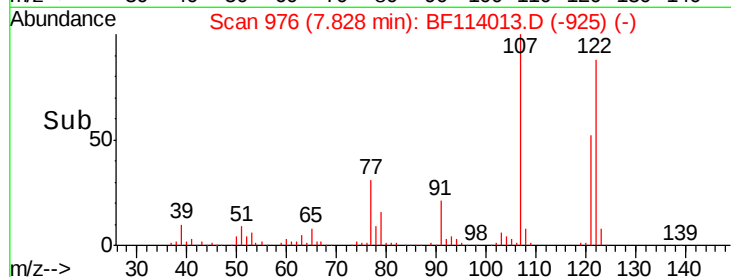
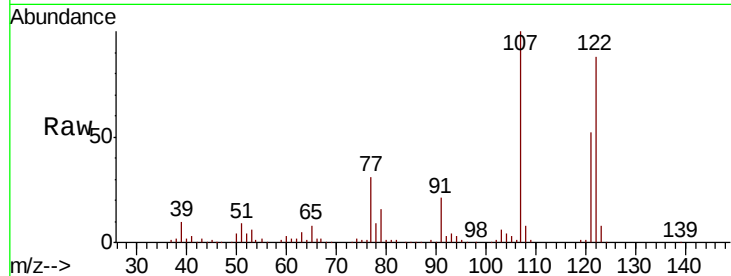
#27
 2,4-Dimethylphenol
 Concen: 44.224 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	207883		
107	113.5	91.2	136.8	
121	58.6	46.4	69.6	

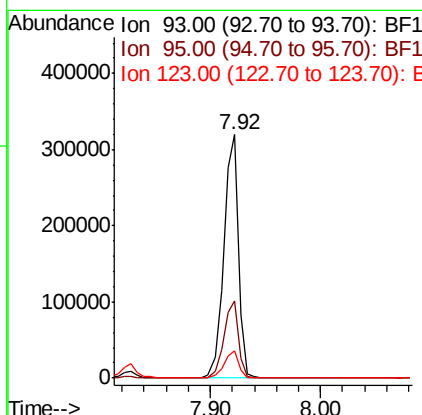
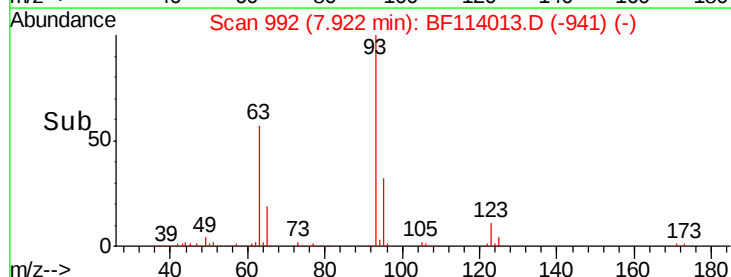
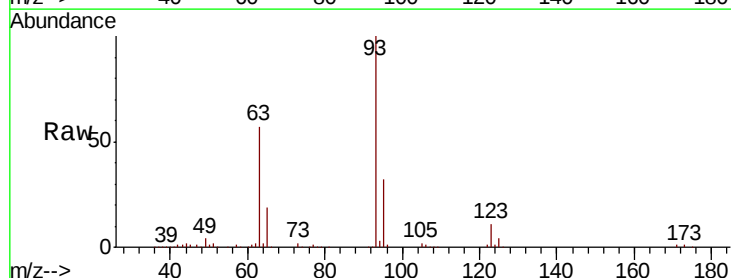
Manual Integrations
 APPROVED

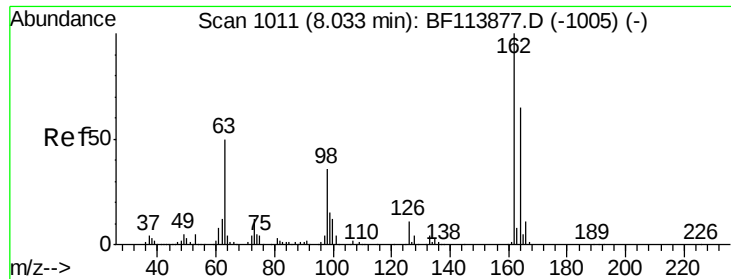
Sohil
 4/27/2019 2:36:51 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 39.842 ng
 RT: 7.92 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	297323		
95	31.7	25.8	38.6	
123	11.3	9.0	13.6	





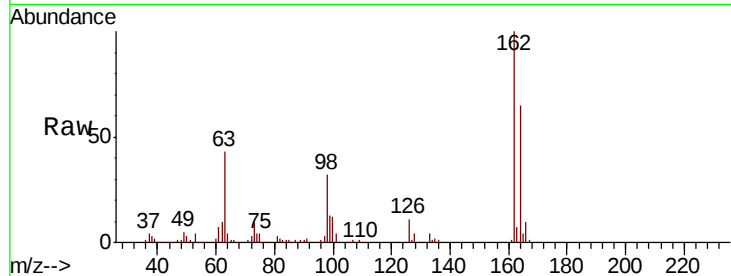
#29
2,4-Dichlorophenol
Concen: 42.193 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	226801		
164	64.6	43.7	83.7	
98	31.7	15.5	55.5	

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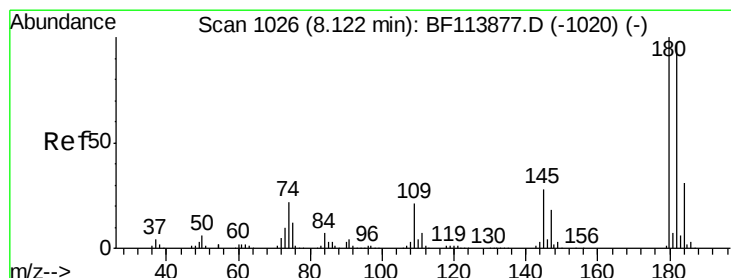
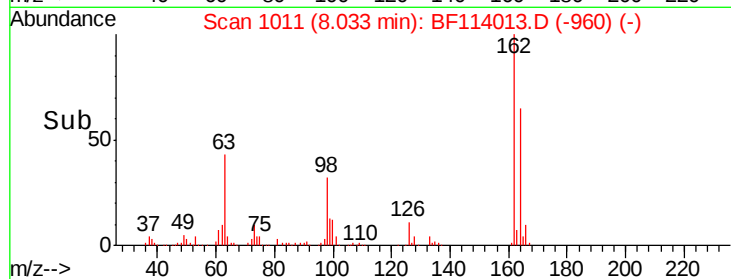
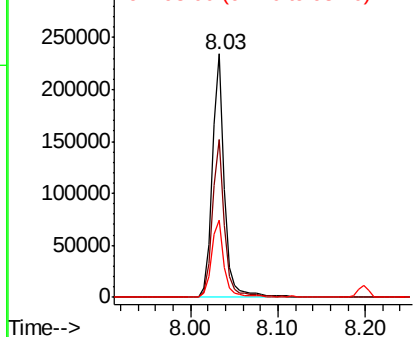


Abundance

Ion 162.00 (161.70 to 162.70): E

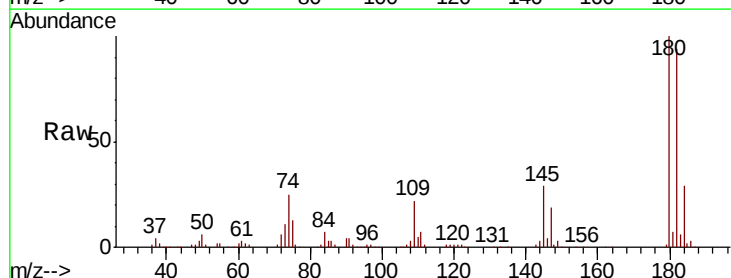
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 40.469 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	242555		
182	94.5	75.4	113.0	
145	28.7	23.0	34.4	

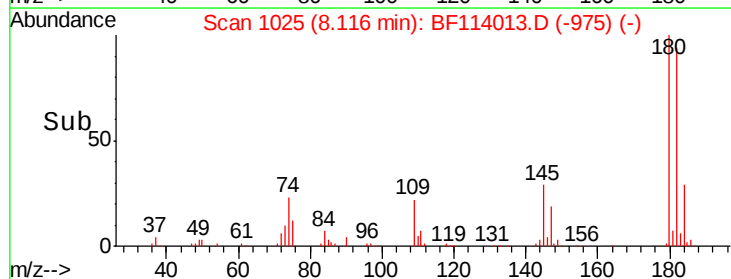
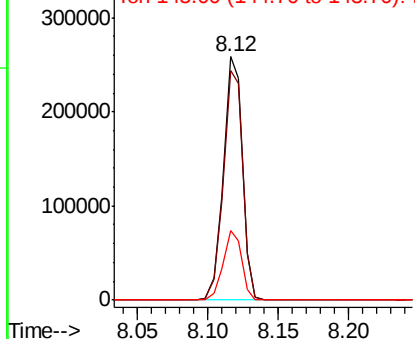


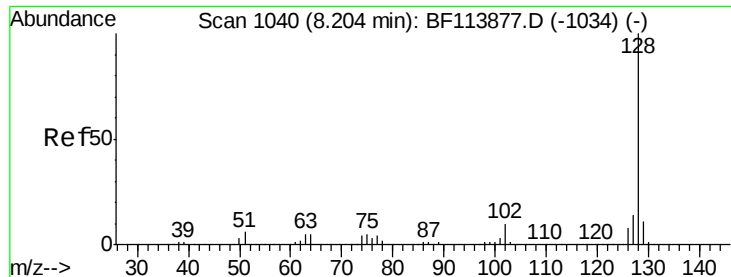
Abundance

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





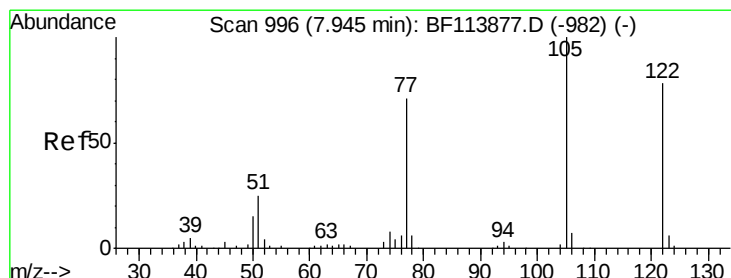
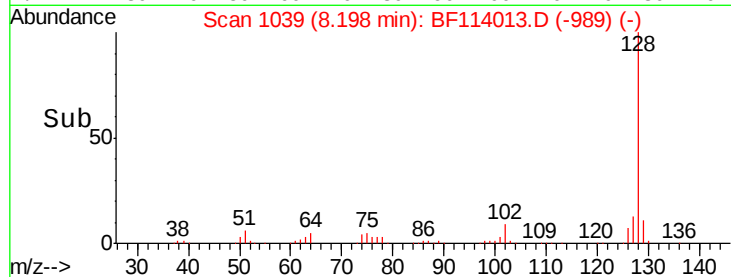
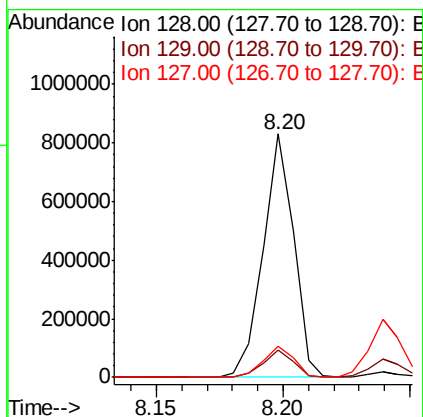
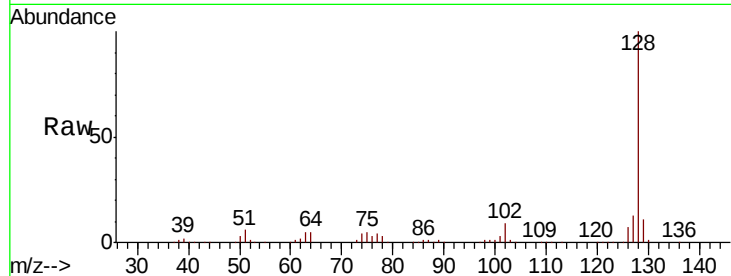
#31
Naphthalene
Concen: 41.595 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	698296		
129	11.4	9.4	14.0	
127	13.1	10.8	16.2	

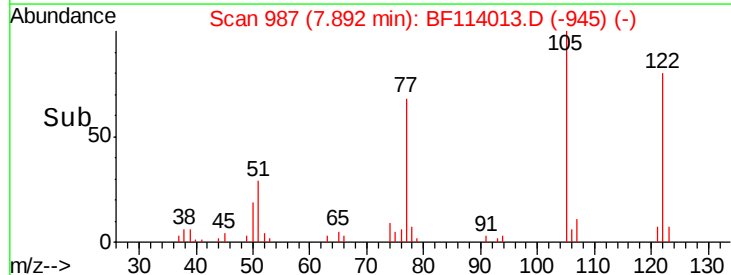
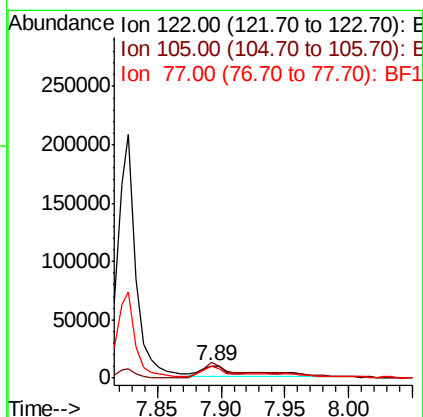
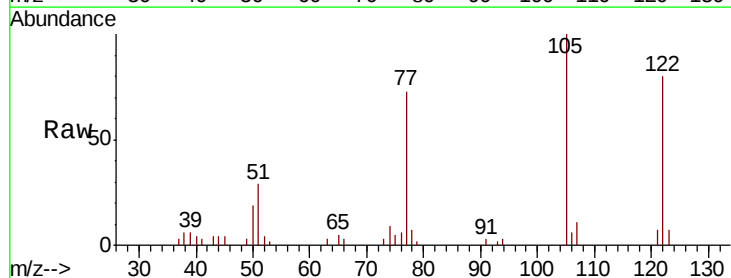
Manual Integrations
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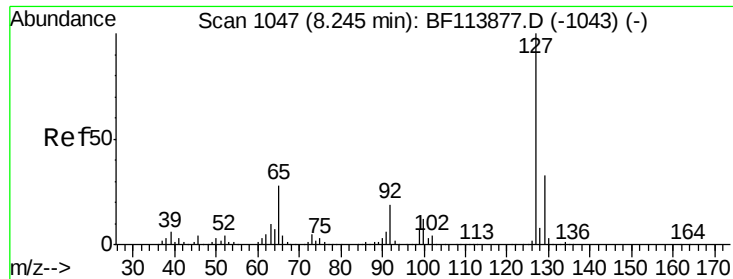
Sohil
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#32
Benzoic acid
Concen: 7.746 ng m
RT: 7.89 min Scan# 987
Delta R.T. -0.05 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	24589		
105	125.6	104.3	144.3	
77	91.5	70.4	110.4	





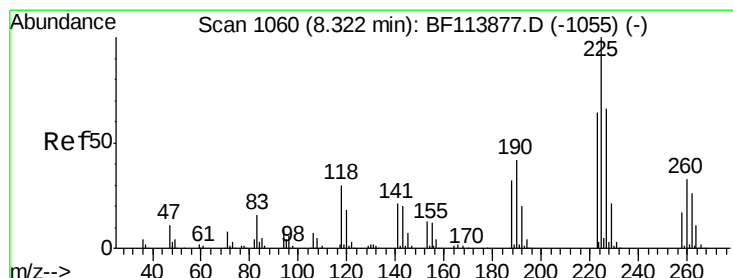
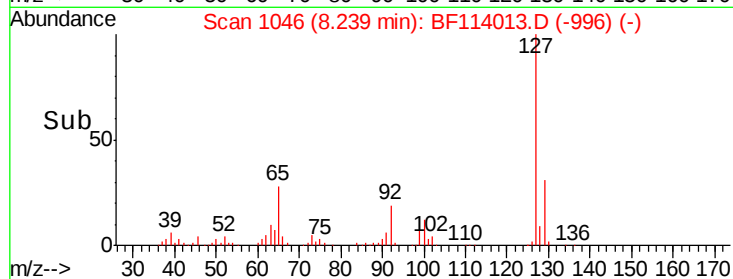
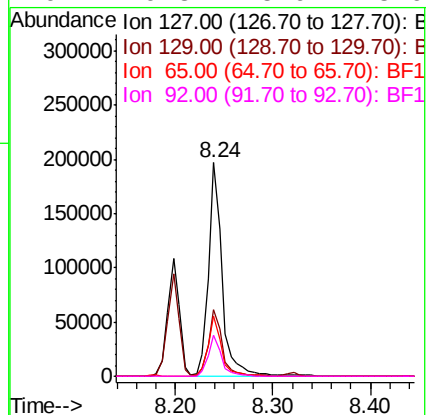
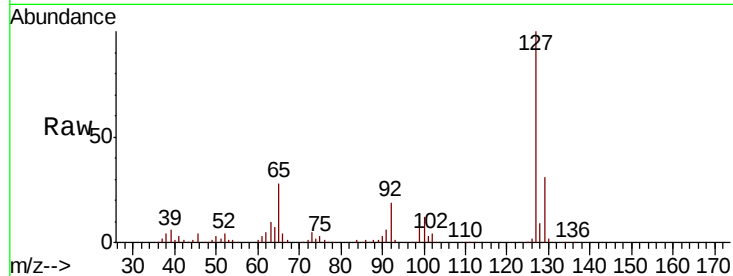
#33
4-Chloroaniline
Concen: 26.992 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	191739		
129	31.1	26.4	39.6	
65	28.4	24.9	37.3	
92	19.3	15.9	23.9	

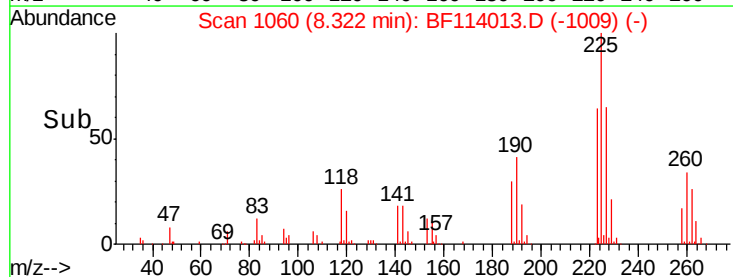
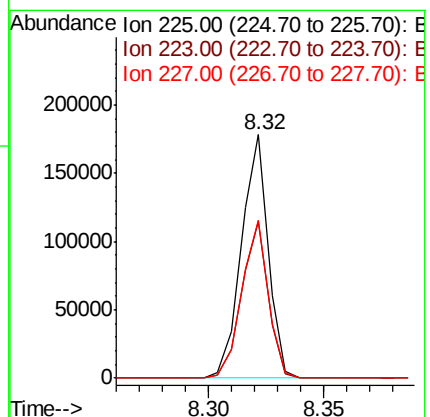
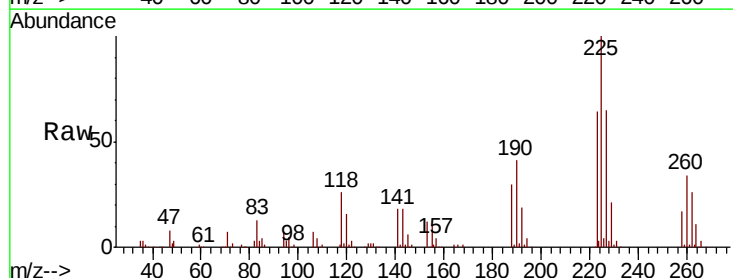
Manual Integrations
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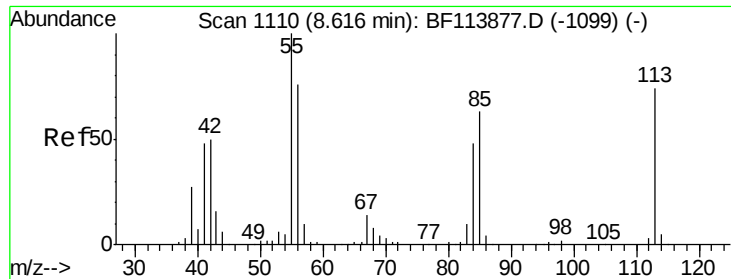
Sohil
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#34
Hexachlorobutadiene
Concen: 38.537 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143985		
223	64.1	51.1	76.7	
227	64.9	49.9	74.9	





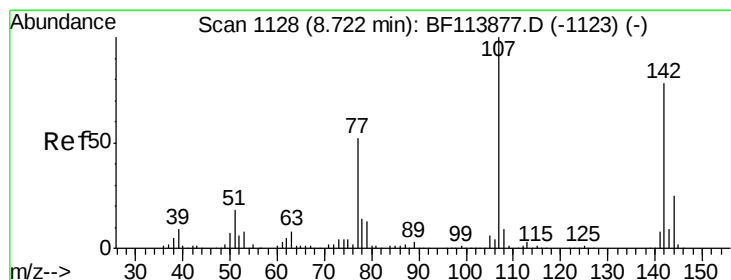
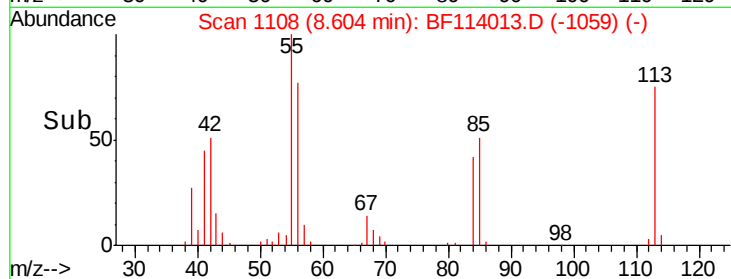
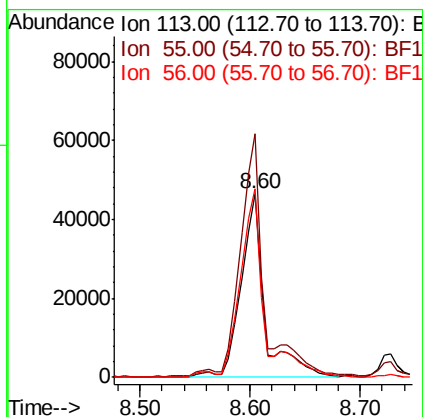
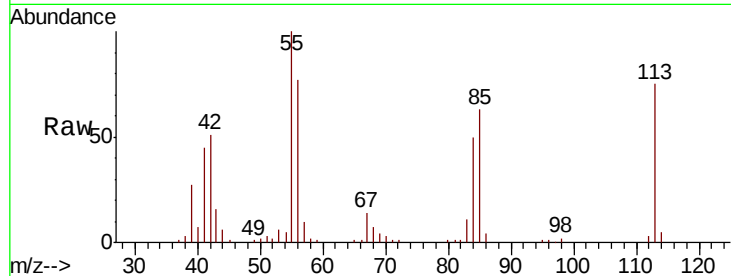
#35
 Caprolactam
 Concen: 40.394 ng m
 RT: 8.60 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion: 113 Resp: 69071
 Ion Ratio Lower Upper
 113 100
 55 132.7 128.6 168.6
 56 102.7 91.9 131.9

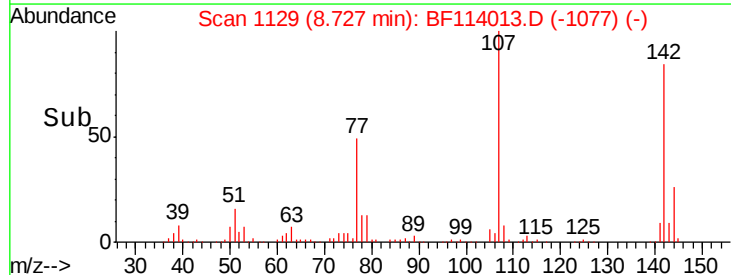
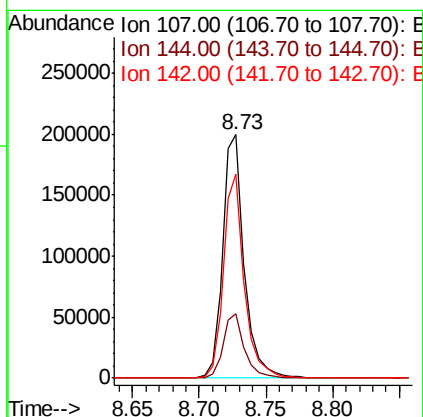
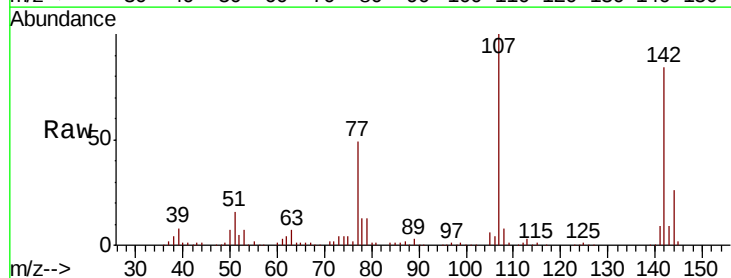
Manual Integrations
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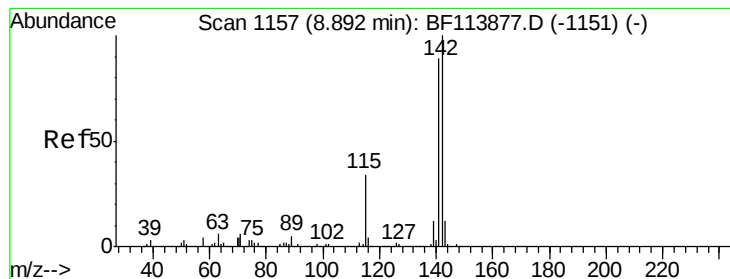
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 42.466 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion: 107 Resp: 226148
 Ion Ratio Lower Upper
 107 100
 144 26.5 20.5 30.7
 142 83.8 64.2 96.4





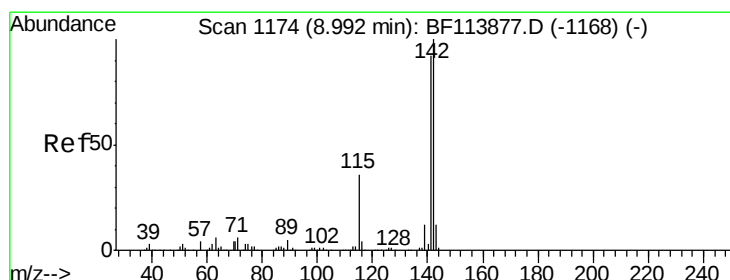
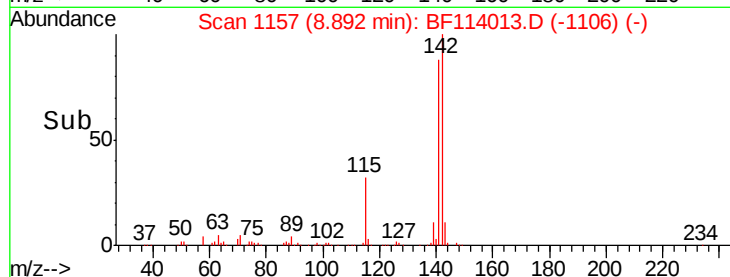
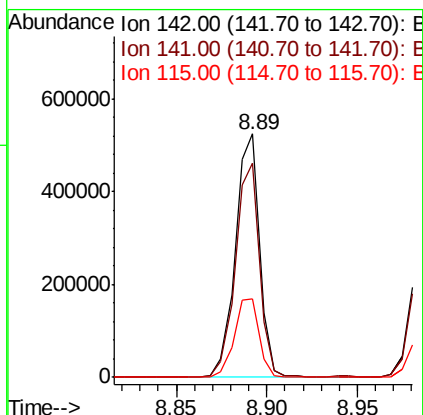
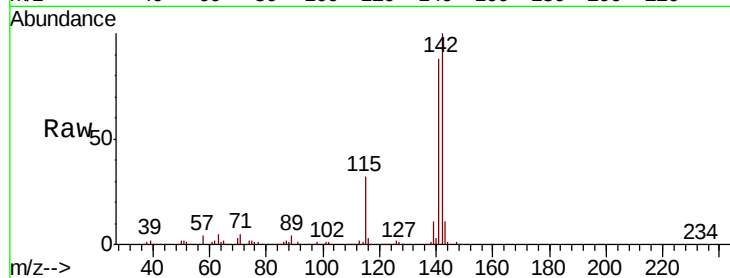
#37
2-Methylnaphthalene
Concen: 43.107 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.4	105.6
115	32.4	26.3	39.5

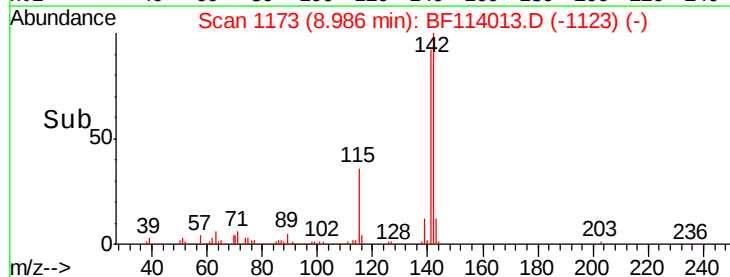
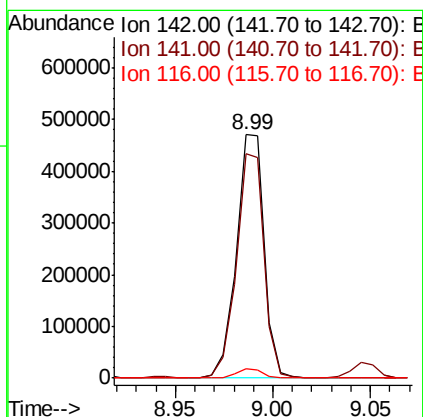
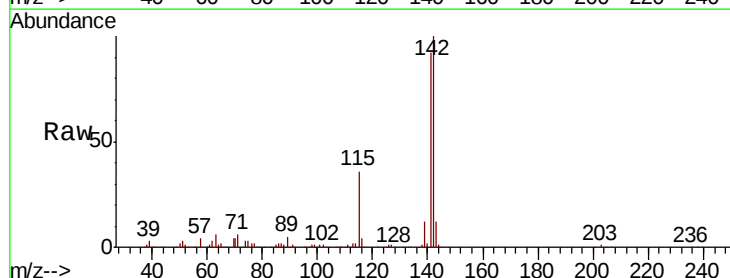
Manual Integrations
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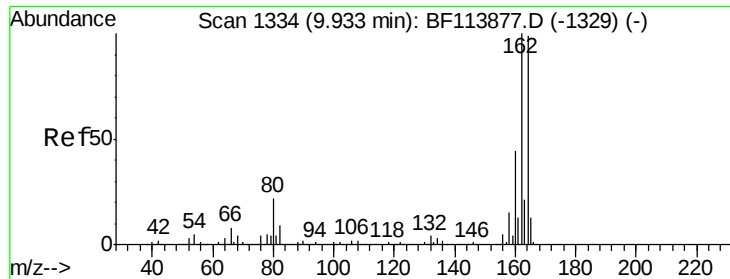
Sohil
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#38
1-Methylnaphthalene
Concen: 42.107 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.3	108.5
116	3.7	3.0	4.4





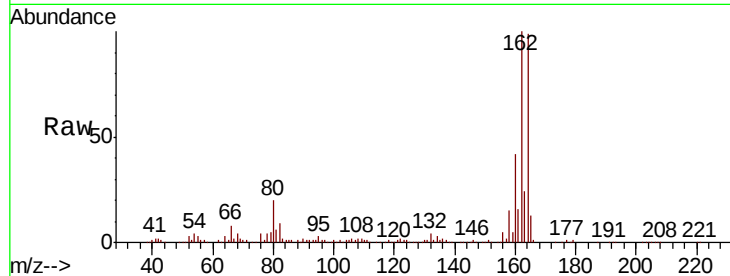
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194068		
162	100.5	81.1	121.7	
160	42.5	35.8	53.6	

Manual Integrations
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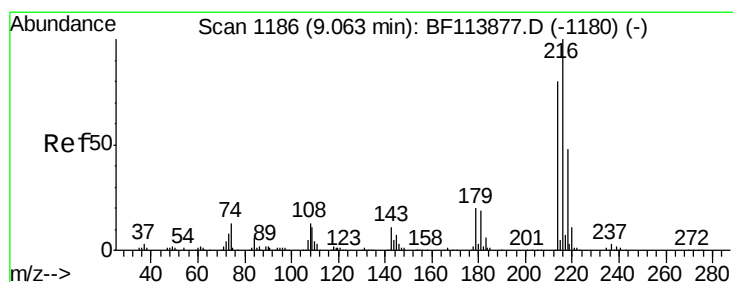
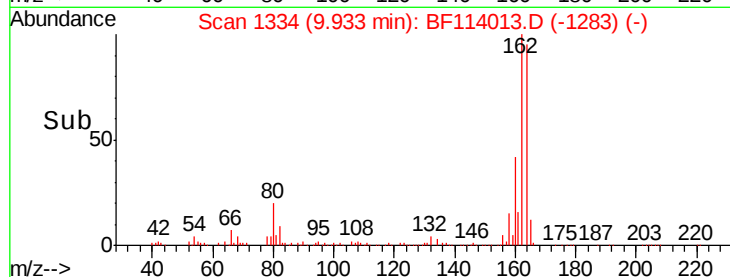
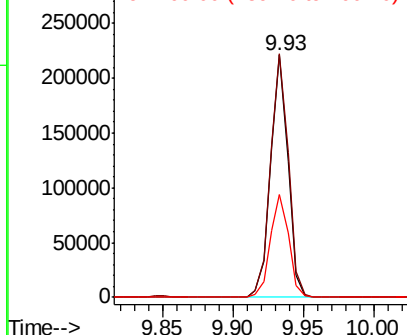


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.578 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	249499		
214	79.5	63.5	95.3	
179	20.4	16.1	24.1	
108	17.2	13.4	20.0	

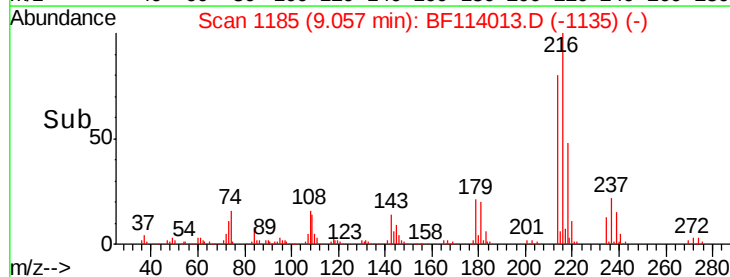
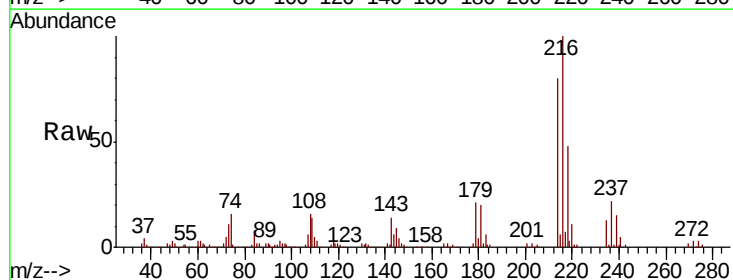
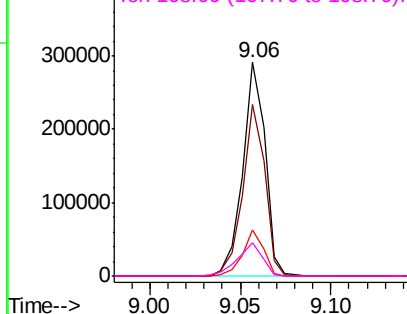
Abundance

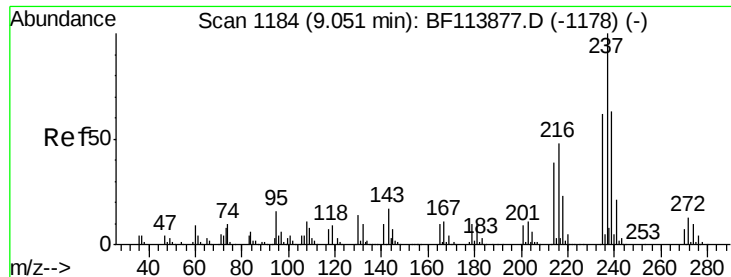
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 73.585 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

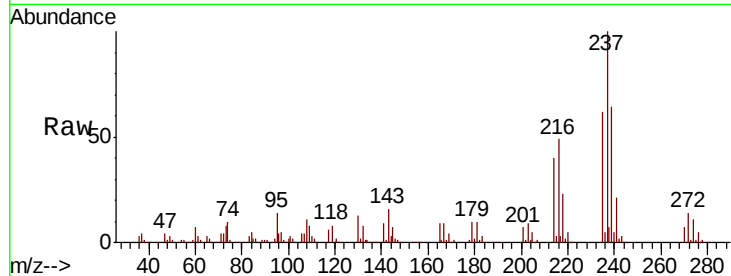
ClientSampleId :

114-PENNINGTONMS

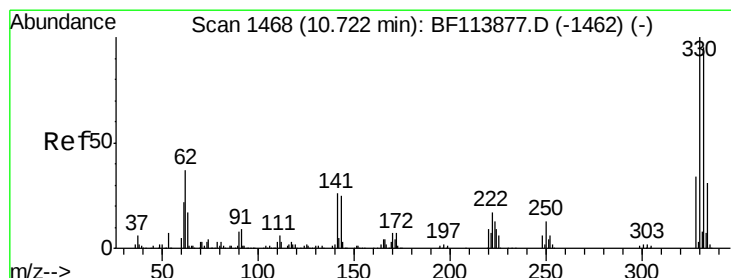
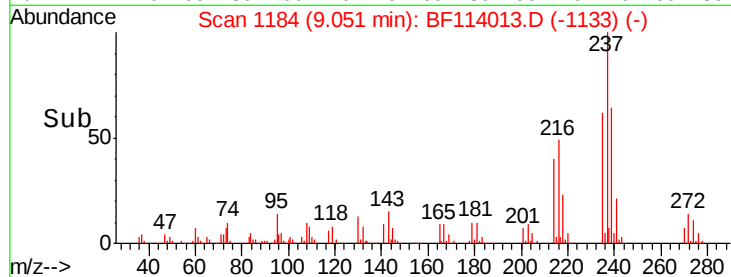
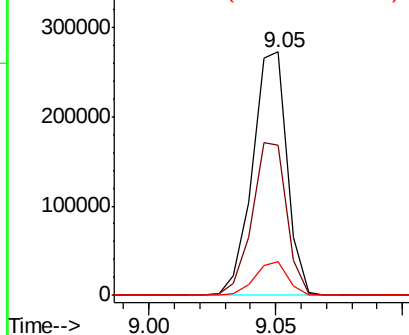
Tgt Ion:	237	Resp:	258676
Ion Ratio	Lower	Upper	
237	100		
235	61.9	42.6	82.6
272	13.8	0.0	33.8

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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: 117.046 ng

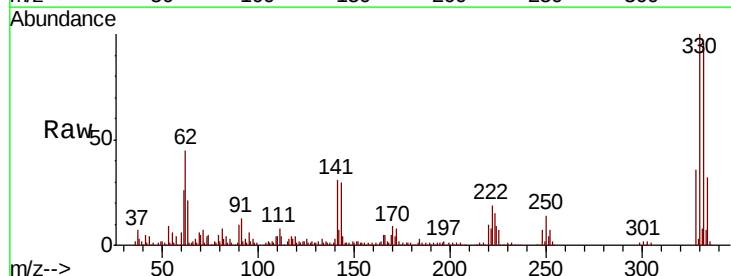
RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

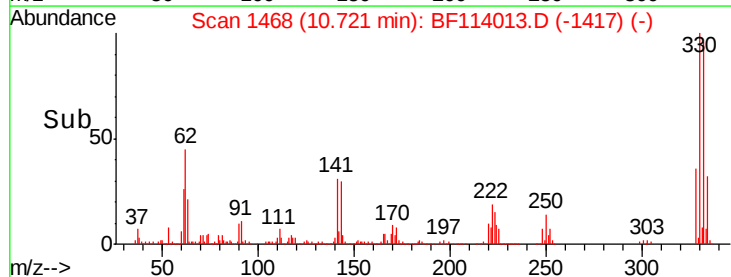
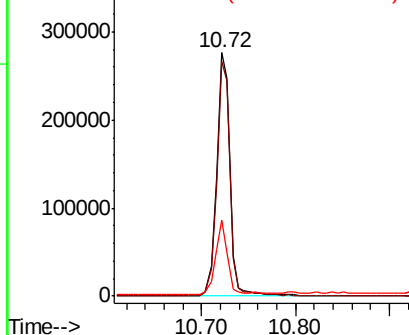
Lab File: BF114013.D

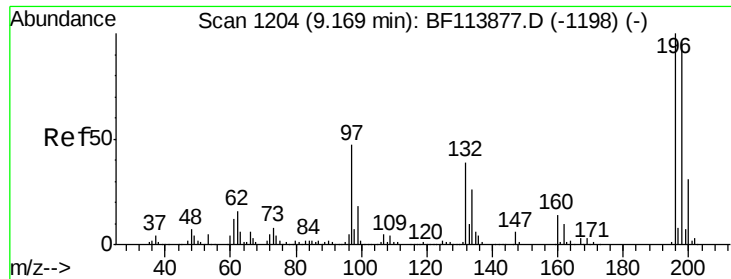
Acq: 26 Apr 2019 16:49

Tgt Ion:	330	Resp:	276713
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.5	116.3
141	27.1	22.2	33.2



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





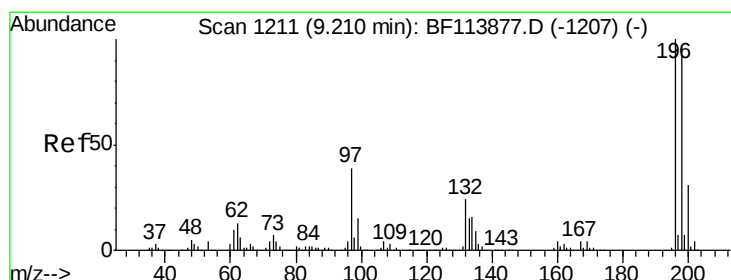
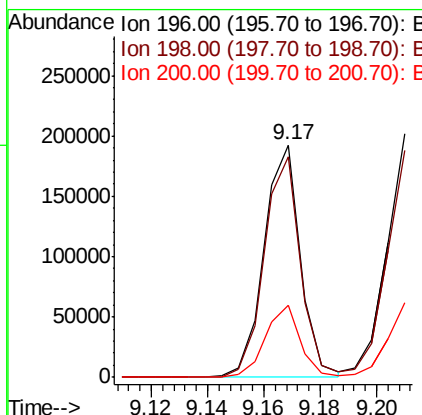
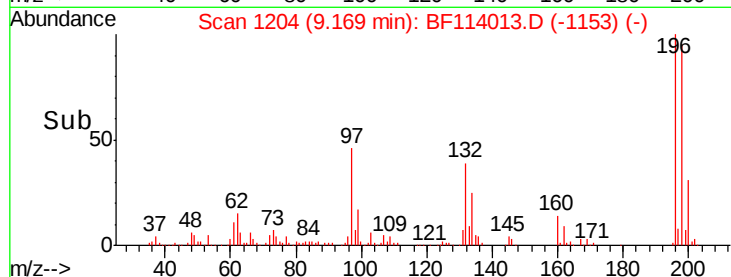
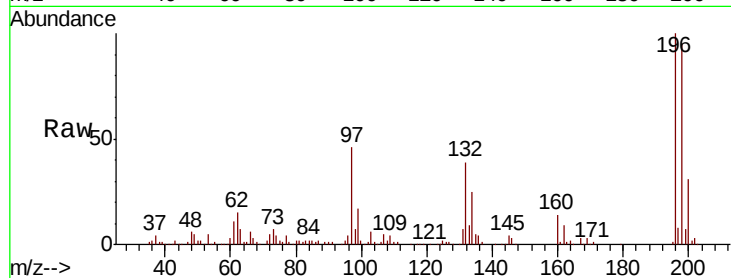
#43
 2,4,6-Trichlorophenol
 Concen: 42.781 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	171252		
198	94.9	75.6	113.4	
200	31.2	24.7	37.1	

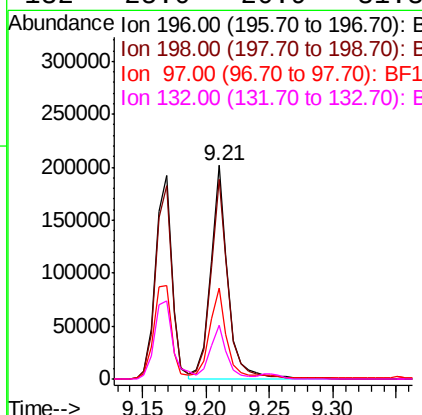
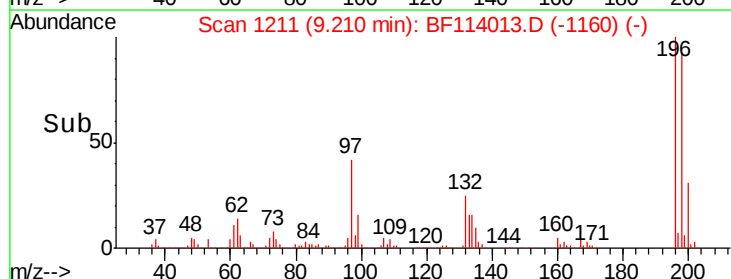
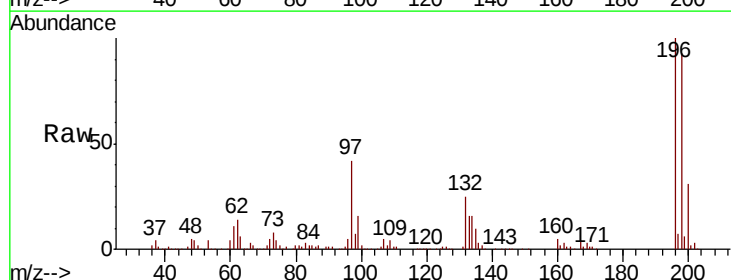
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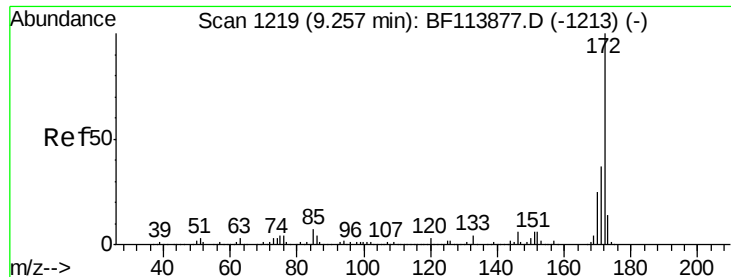
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 4/27/2019 2:36:51 AM



#44
 2,4,5-Trichlorophenol
 Concen: 42.875 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	192507		
198	93.2	76.2	114.4	
97	42.4	35.8	53.8	
132	25.0	20.9	31.3	





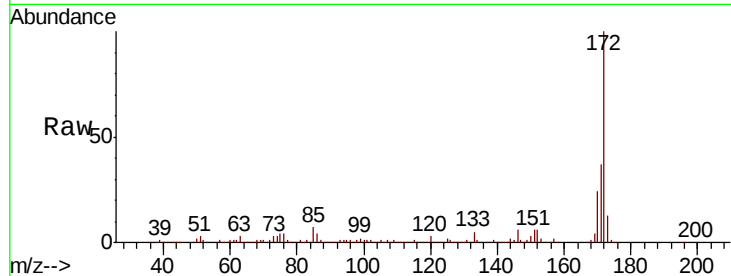
#45
 2-Fluorobiphenyl
 Concen: 80.350 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	997006		
171	36.5		29.4	44.0
170	24.3		19.9	29.9

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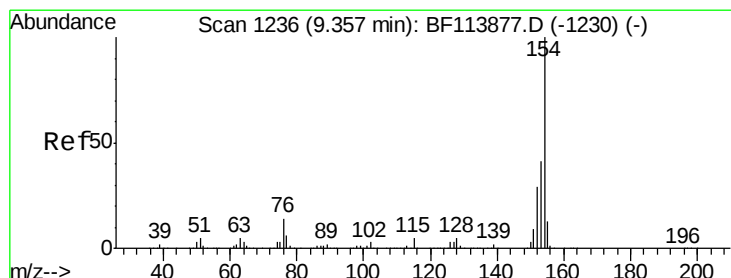
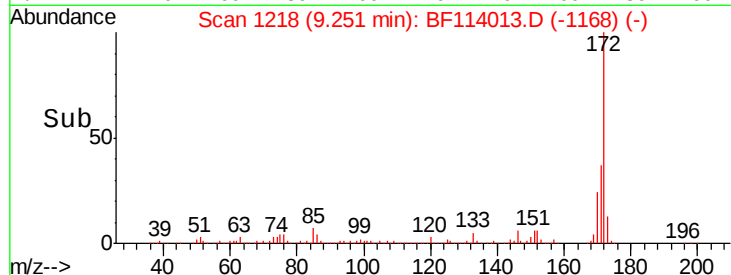
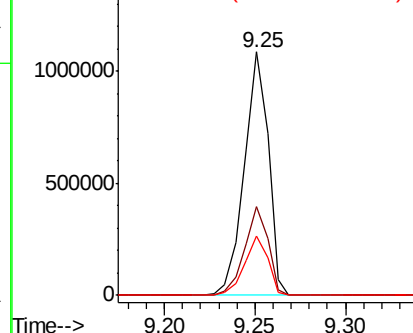


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
 1,1'-Biphenyl
 Concen: 41.785 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

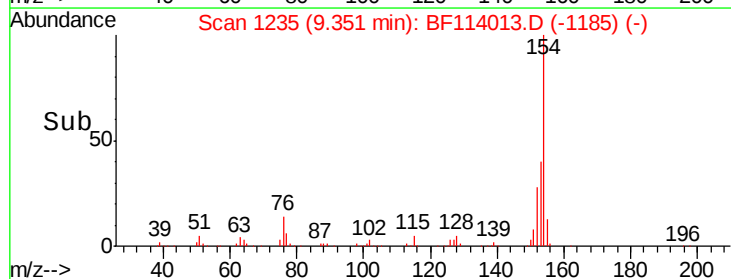
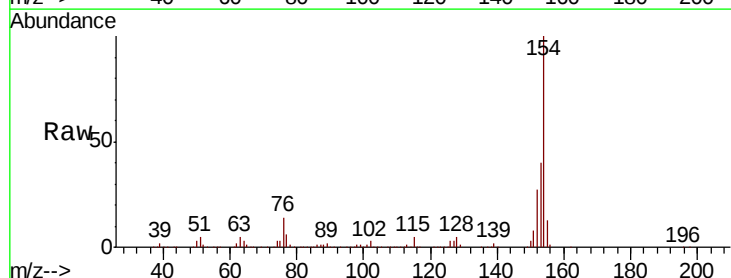
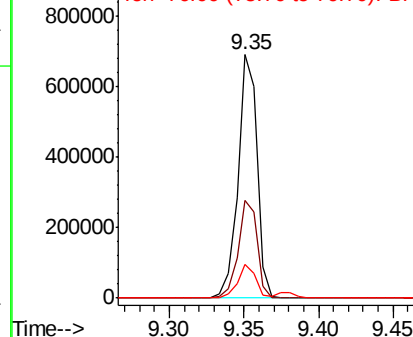
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	619485		
153	40.1		20.8	60.8
76	13.7		0.0	35.2

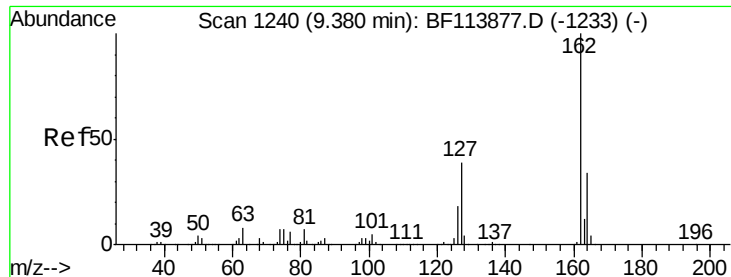
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





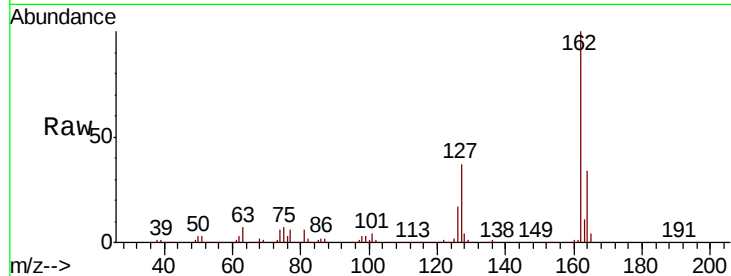
#47
 2-Chloronaphthalene
 Concen: 40.964 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

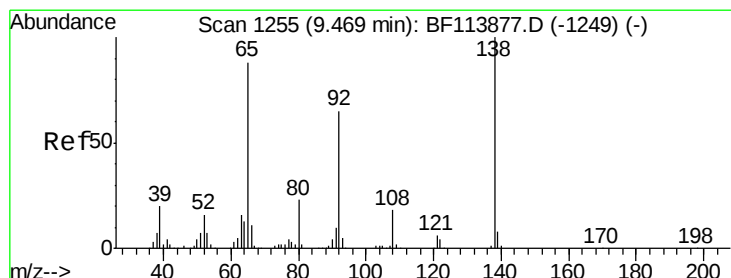
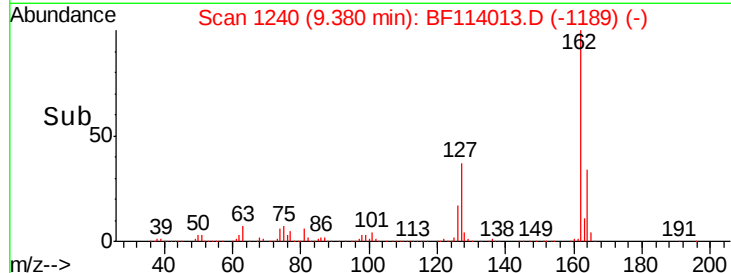
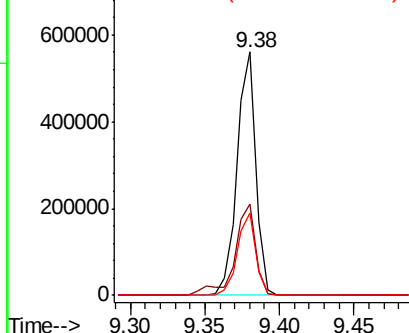
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	493870		
127	37.3	29.3	43.9	
164	33.7	27.1	40.7	

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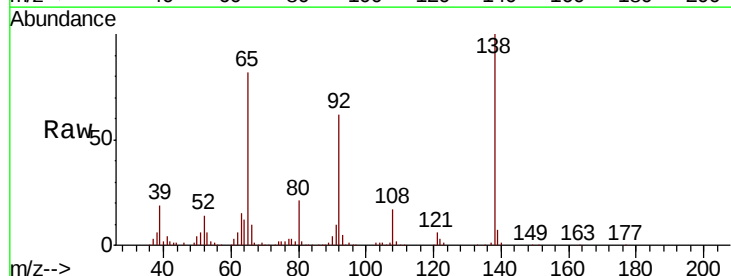


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

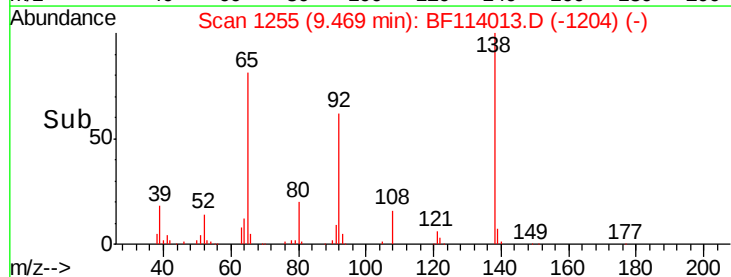
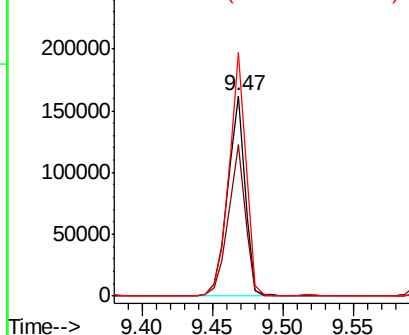


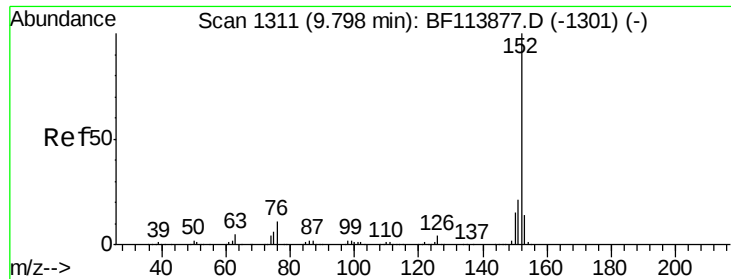
#48
 2-Nitroaniline
 Concen: 44.368 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	140224		
92	75.7	57.4	86.0	
138	121.6	85.4	128.0	



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





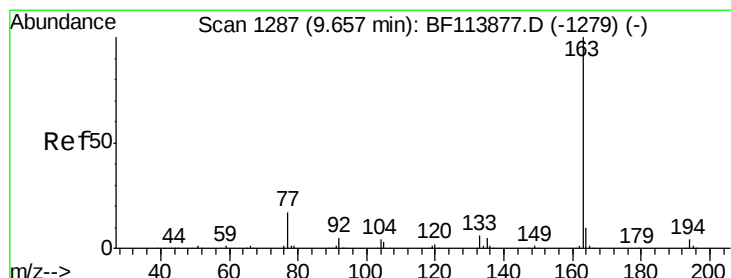
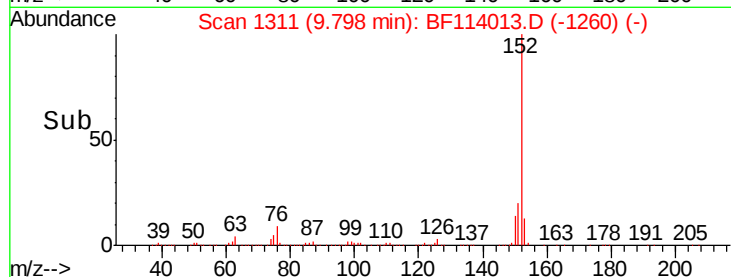
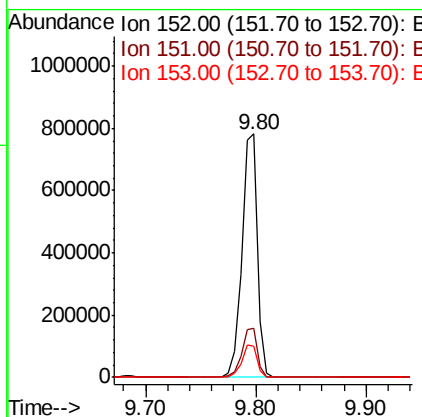
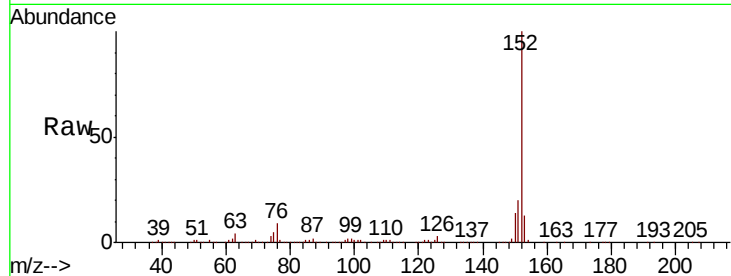
#49
Acenaphthylene
Concen: 40.696 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	768118		
151	20.1		17.0	25.4
153	13.0		11.0	16.6

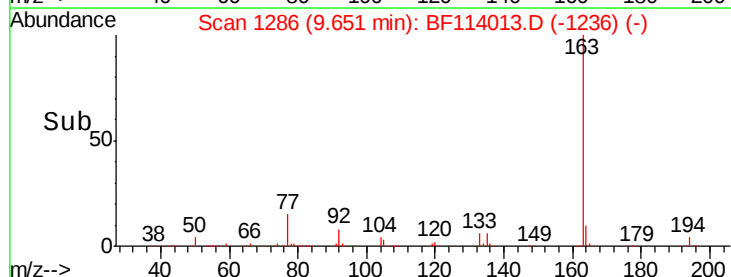
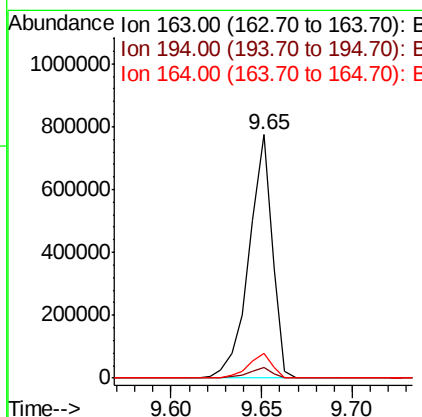
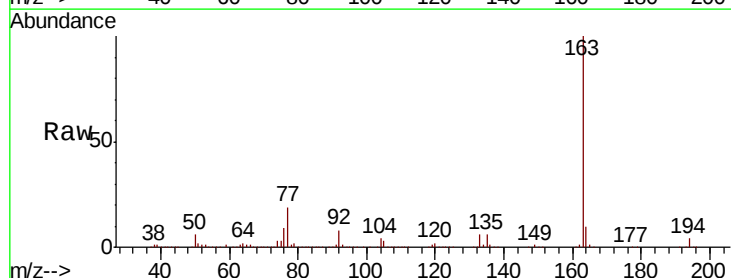
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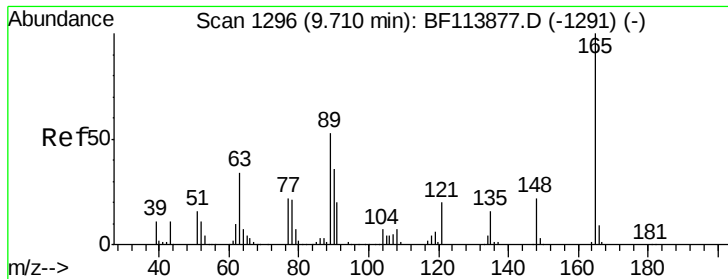
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#50
Dimethylphthalate
Concen: 49.220 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	690826		
194	4.3		3.4	5.2
164	10.0		8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 44.067 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

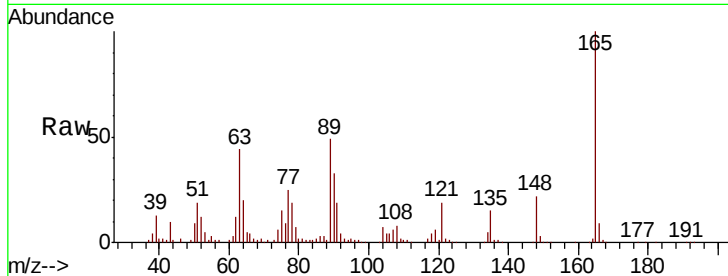
ClientSampleId :

114-PENNINGTONMS

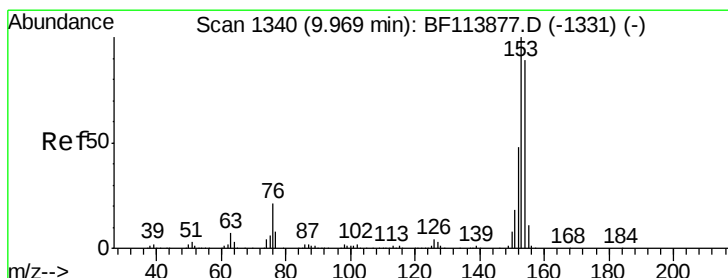
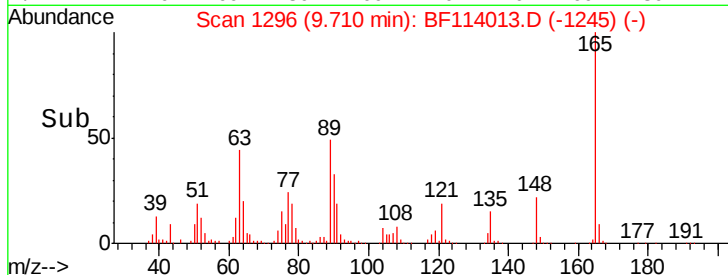
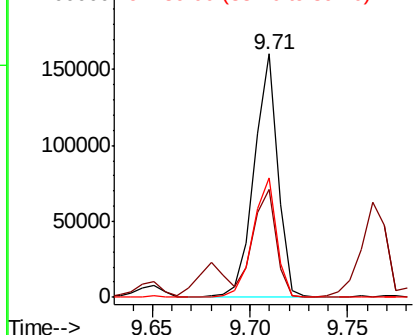
Tgt Ion:	165	Resp:	132689
Ion Ratio	Lower	Upper	
165	100		
63	44.2	33.8	50.8
89	48.8	38.2	57.2

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



#52

Acenaphthene

Concen: 41.696 ng

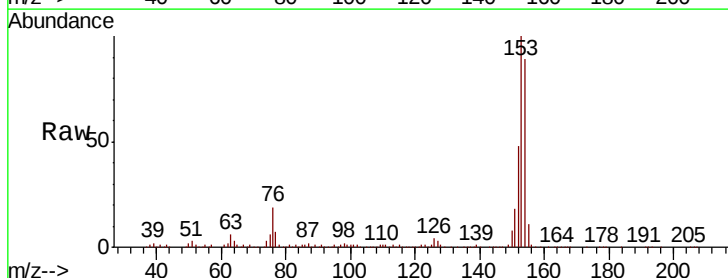
RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

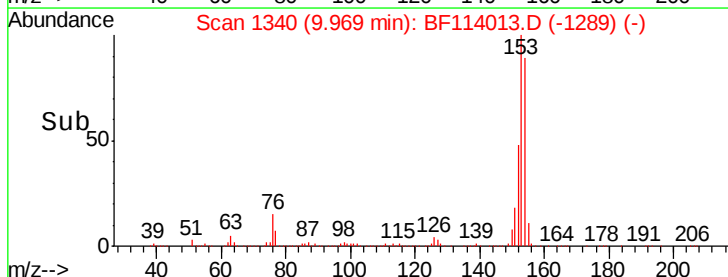
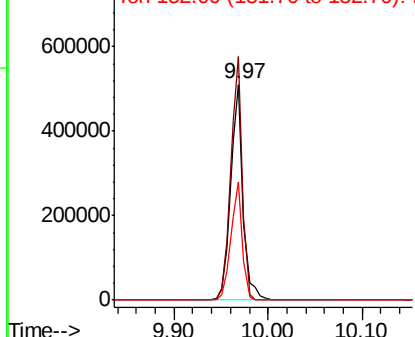
Lab File: BF114013.D

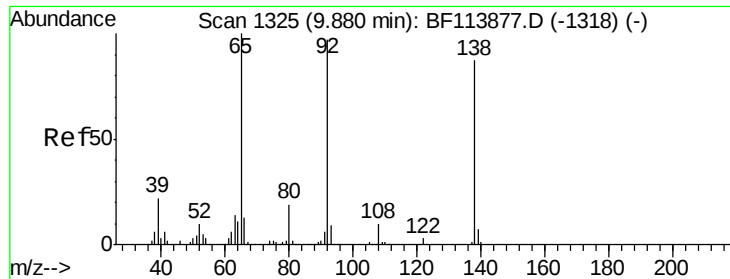
Acq: 26 Apr 2019 16:49

Tgt Ion:	154	Resp:	465094
Ion Ratio	Lower	Upper	
154	100		
153	113.0	87.2	130.8
152	54.6	42.3	63.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





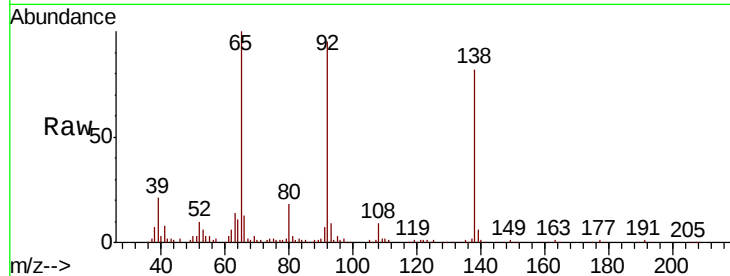
#53
 3-Nitroaniline
 Concen: 36.883 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.5	9.4	14.2
92	116.5	94.1	141.1

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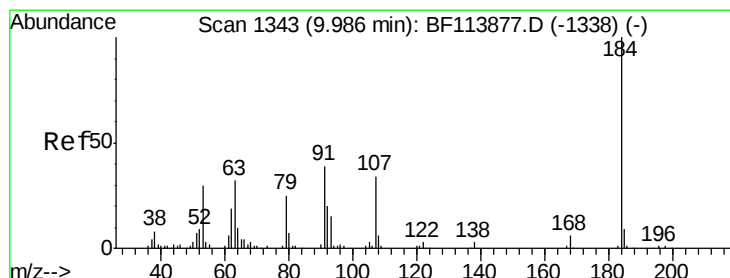
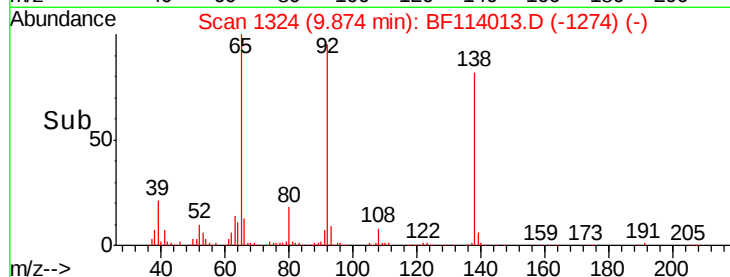
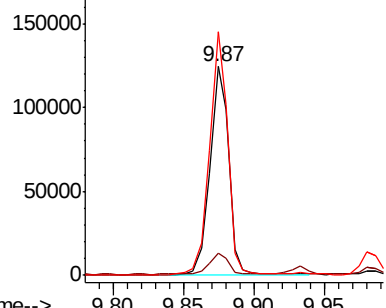


Abundance

Ion 138.00 (137.70 to 138.70): E

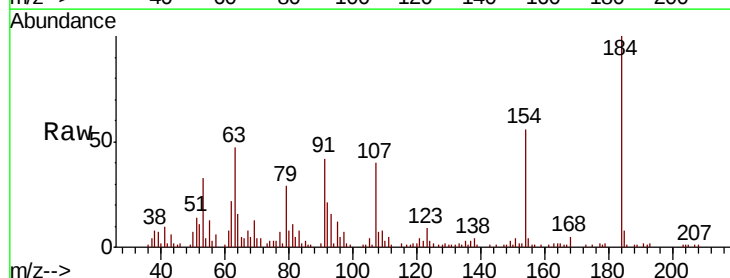
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
 2,4-Dinitrophenol
 Concen: 46.620 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
184	100		
63	46.8	54.6	81.8#
154	55.6	218.6	328.0#

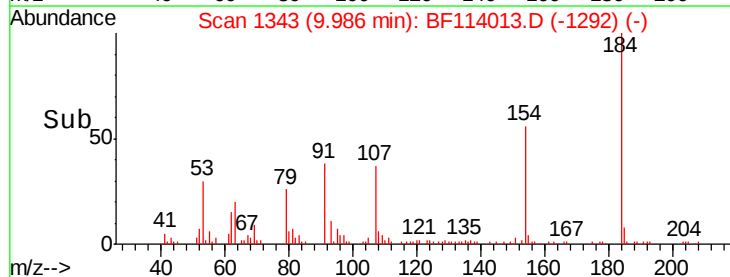
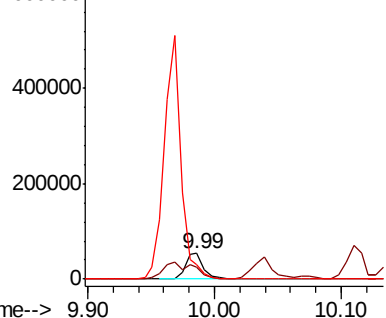


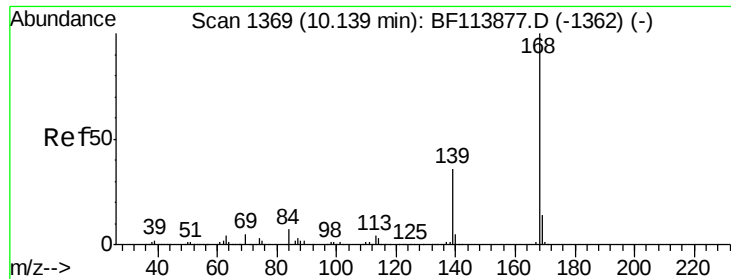
Abundance

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





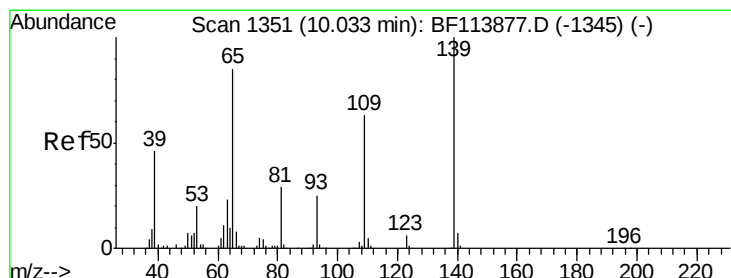
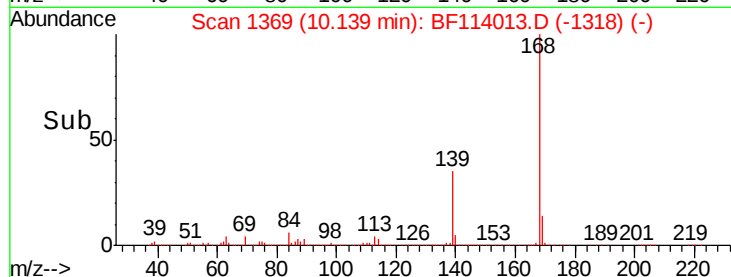
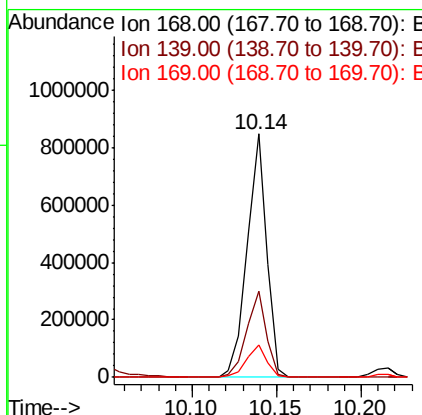
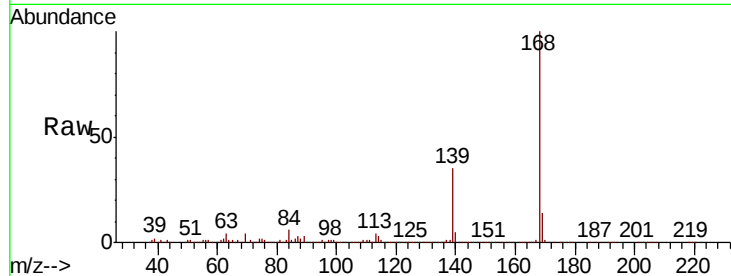
#55
Dibenzenofuran
Concen: 41.405 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.3	27.8	41.6
169	13.5	11.0	16.6

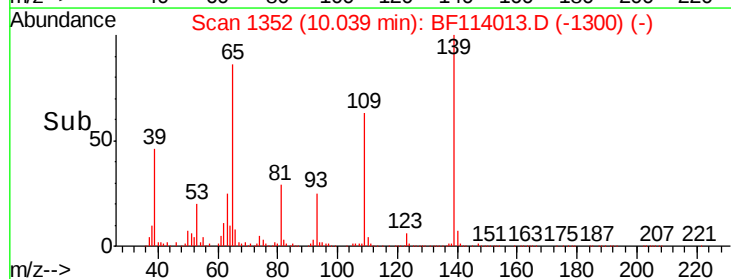
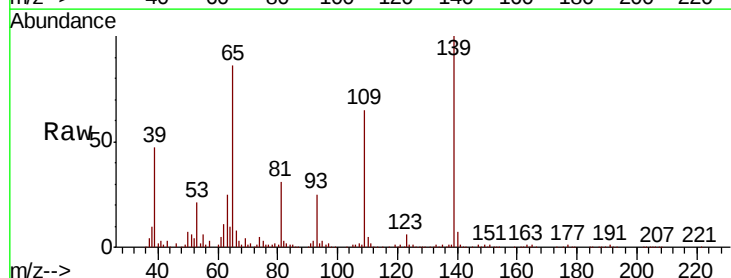
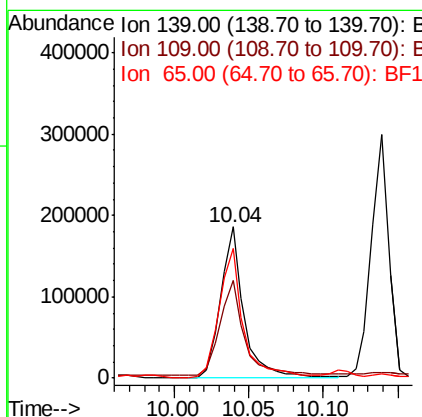
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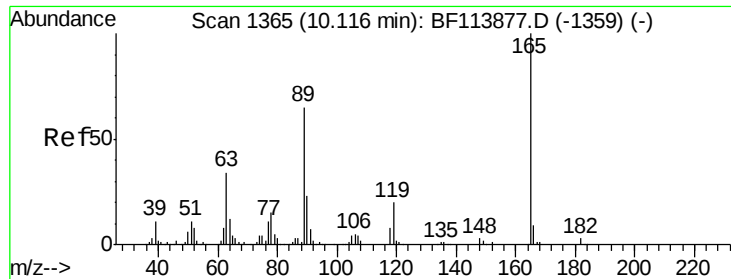
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#56
4-Nitrophenol
Concen: 81.022 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.6	42.9	82.9
65	85.8	64.4	104.4





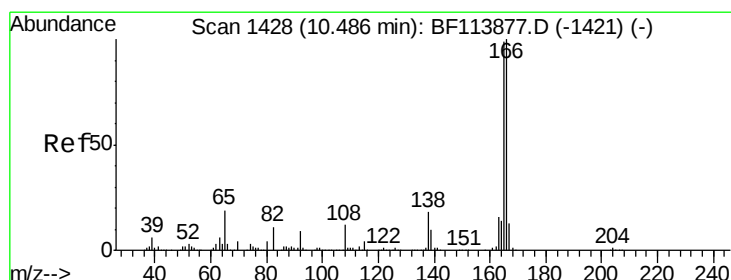
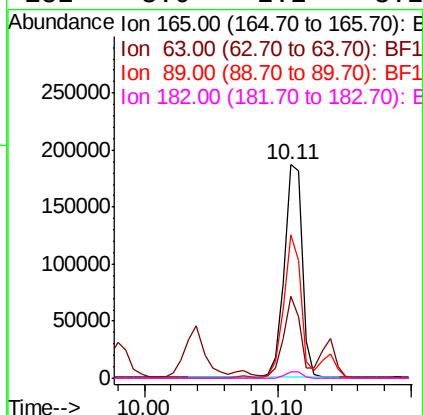
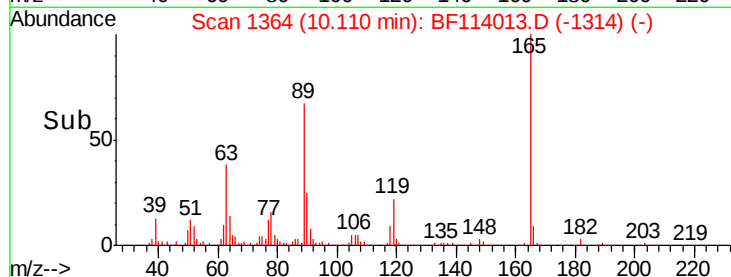
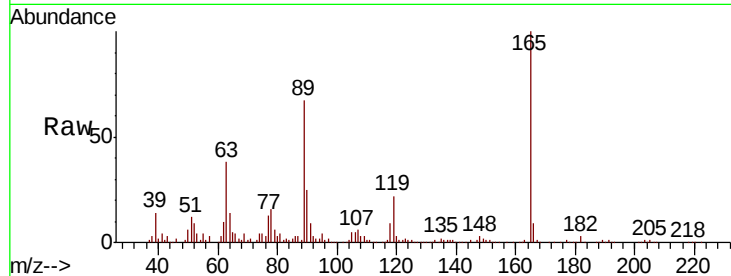
#57
2,4-Dinitrotoluene
Concen: 47.393 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	180125		
63	38.2	27.4	41.0	
89	67.1	51.8	77.6	
182	3.0	2.2	3.2	

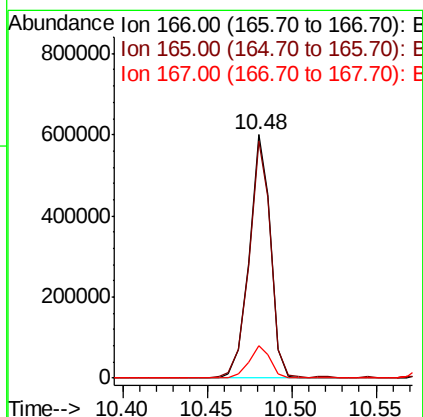
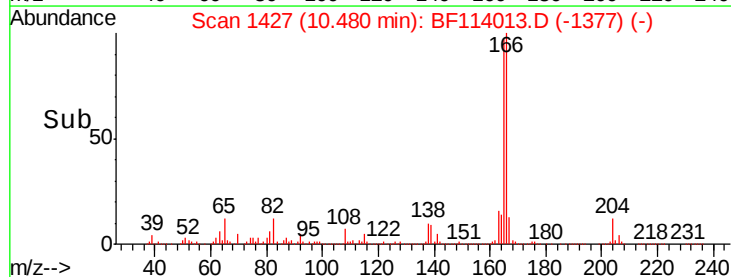
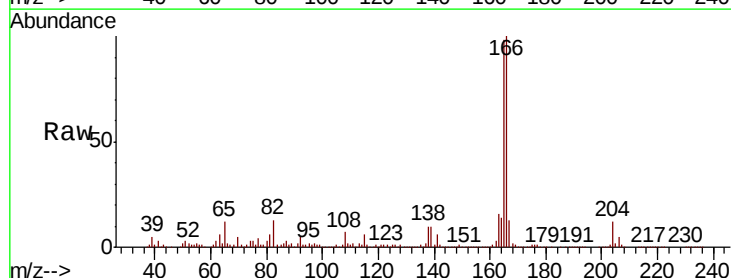
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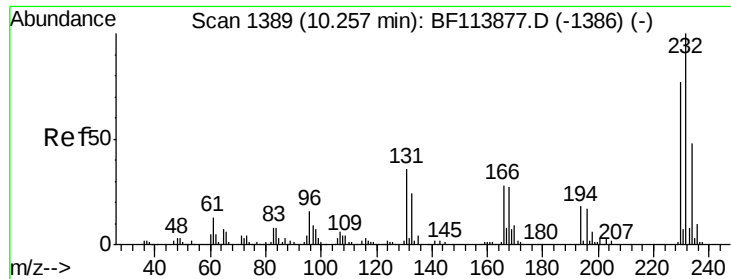
Sohil
4/27/2019 2:36:51 AM



#58
Fluorene
Concen: 41.790 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	525697		
165	97.5	78.4	117.6	
167	13.5	10.9	16.3	





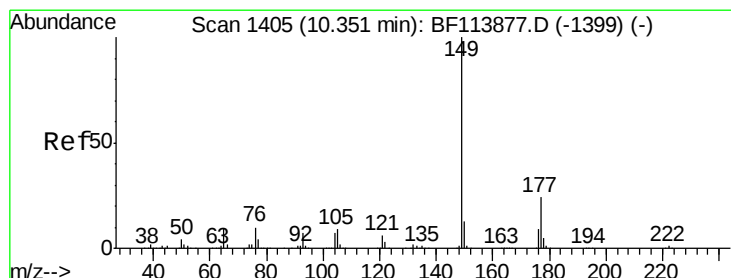
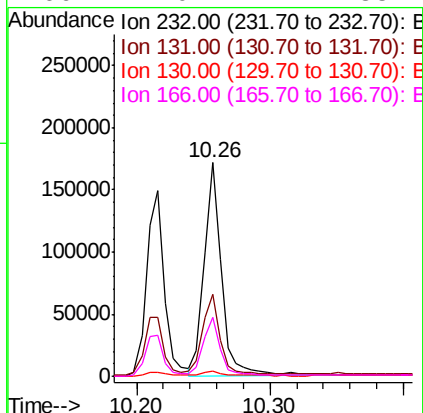
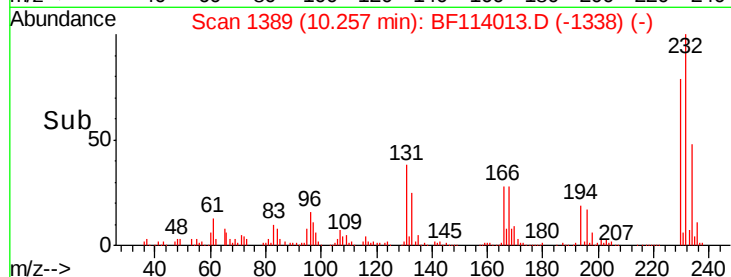
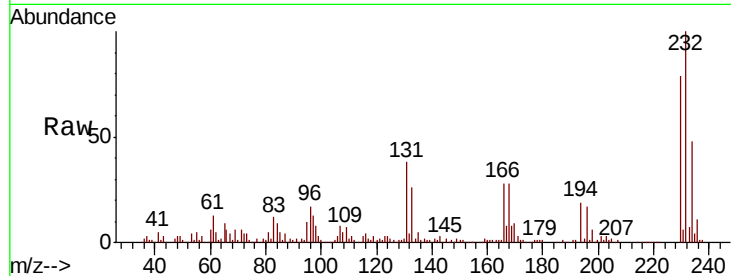
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.479 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	155774		
131	38.3	30.2	45.2	
130	3.1	1.5	2.3	
166	27.0	22.2	33.4	

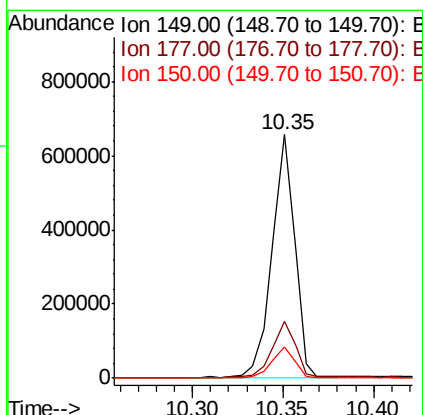
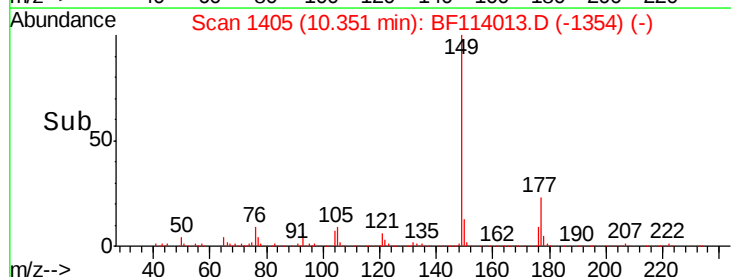
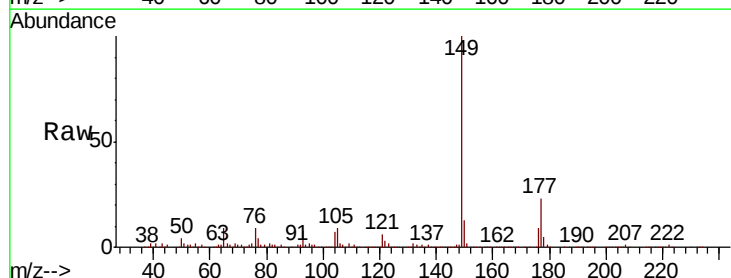
Manual Integrations
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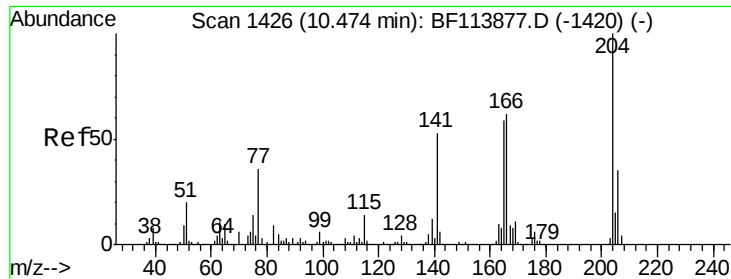
Sohil
 4/27/2019 2:36:51 AM



#60
 Diethylphthalate
 Concen: 42.697 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	569078		
177	23.3	19.2	28.8	
150	12.9	10.3	15.5	





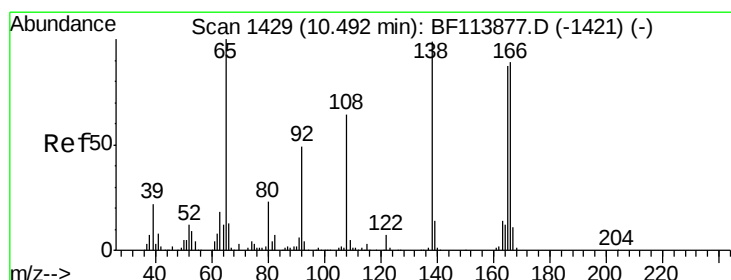
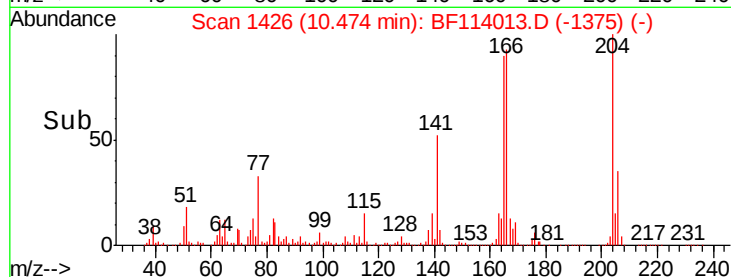
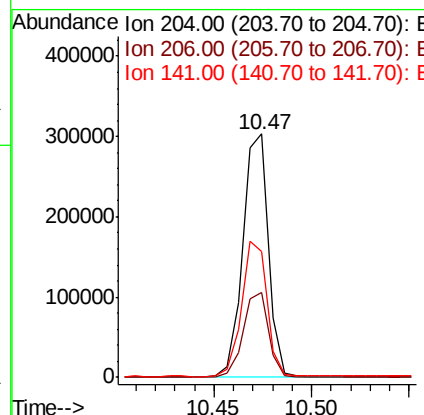
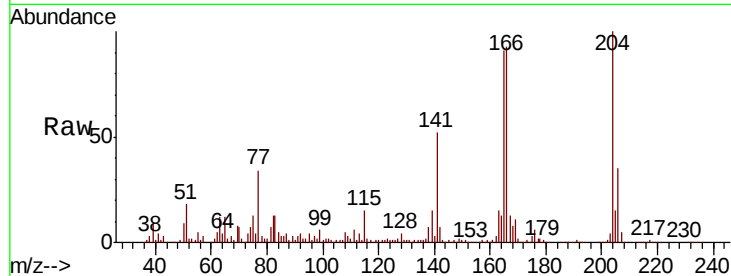
#61
 4-Chlorophenyl-phenylether
 Concen: 41.110 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	273873		
206	34.9	27.4	41.2	
141	51.7	42.6	63.8	

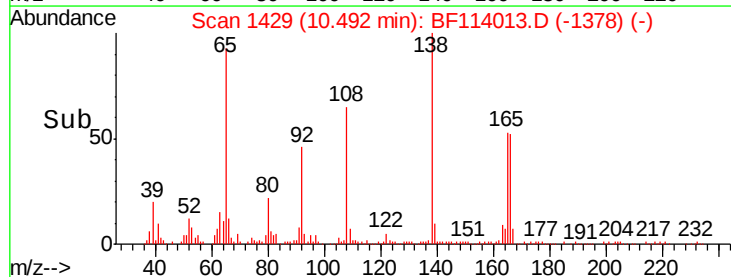
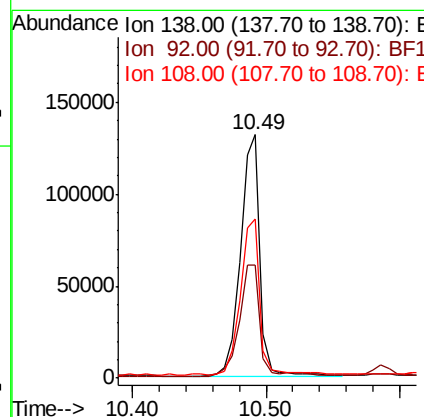
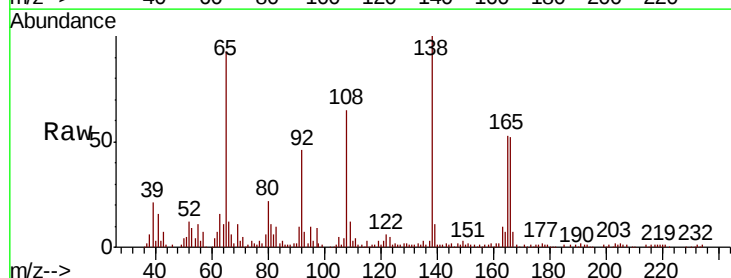
Manual Integrations
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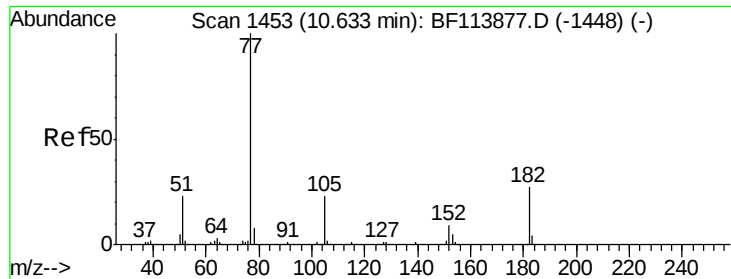
Sohil
 4/27/2019 2:36:51 AM



#62
 4-Nitroaniline
 Concen: 43.156 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	133255		
92	46.5	31.3	71.3	
108	65.3	48.9	88.9	





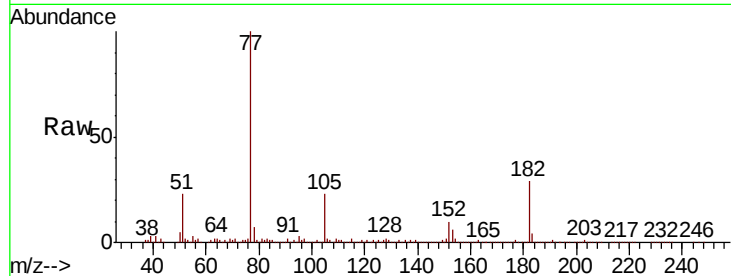
#63
Azobenzene
Concen: 39.689 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

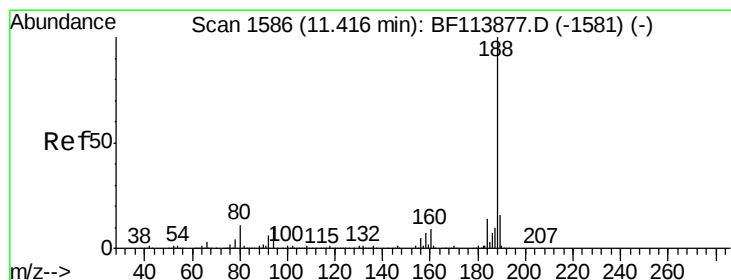
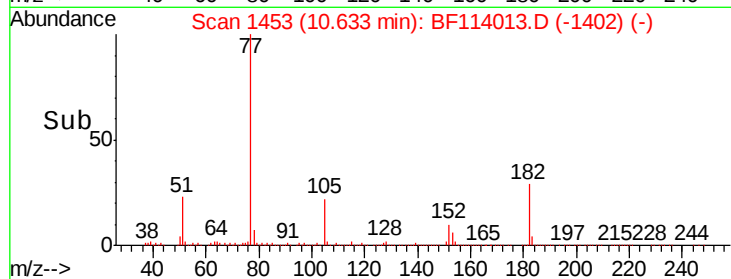
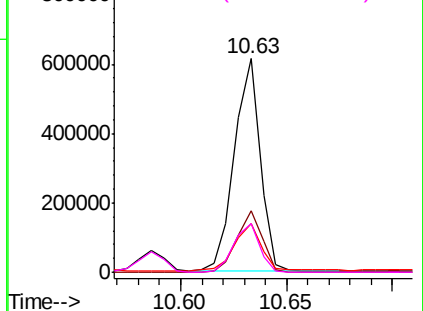
Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.0	4.4	44.4
105	22.7	2.2	42.2
51	22.7	3.9	43.9

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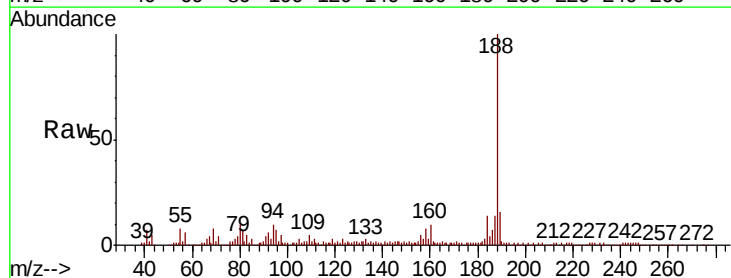


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

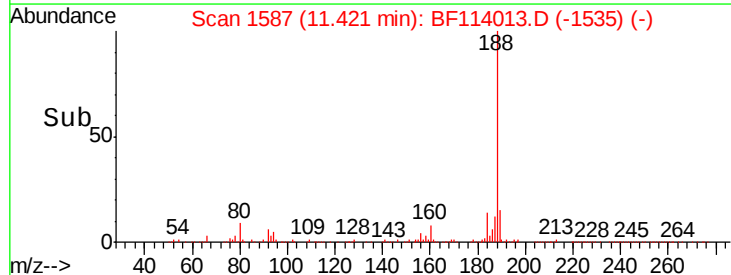
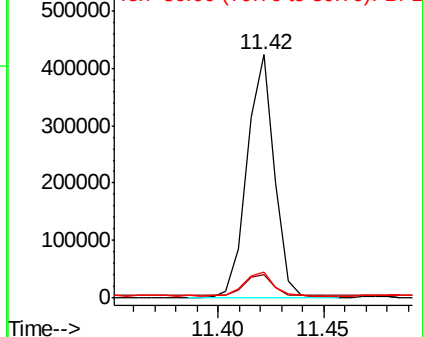


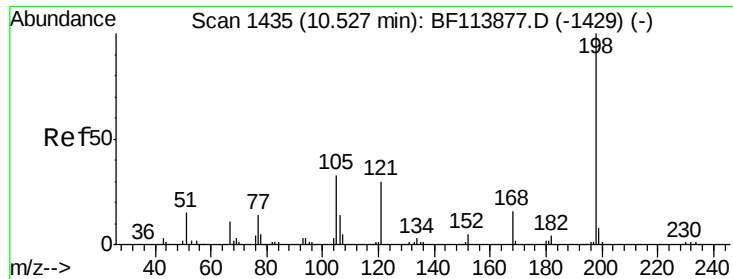
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.4
80	10.5	9.0	13.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 31.976 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

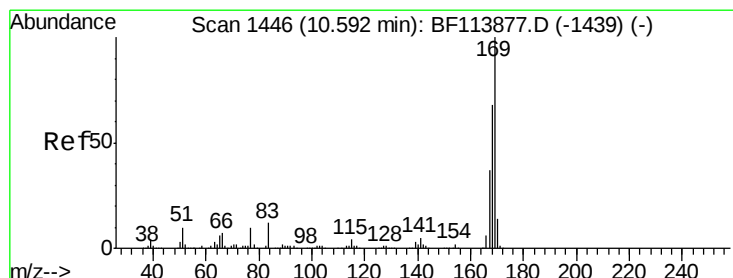
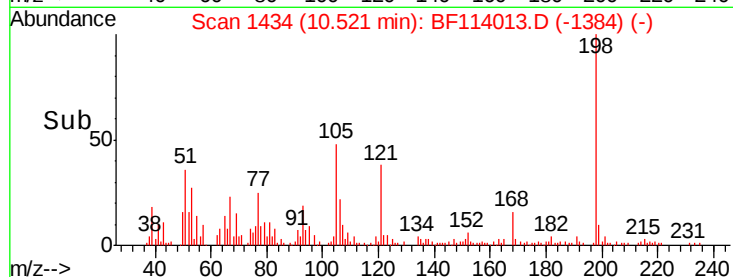
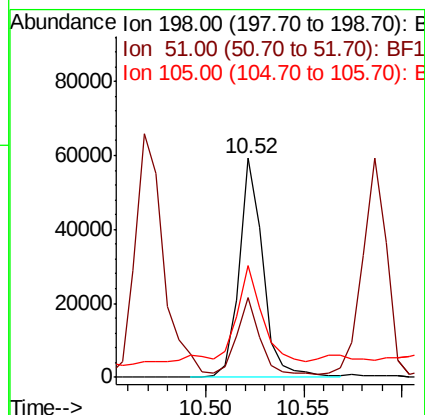
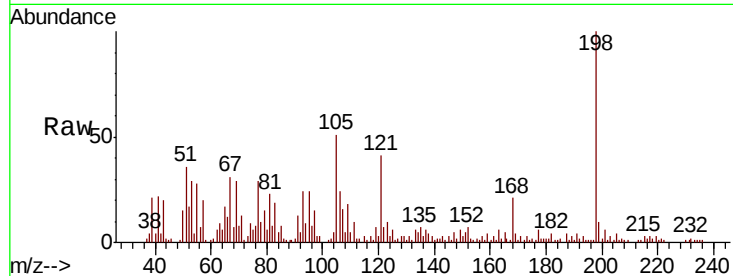
ClientSampleId :

114-PENNINGTONMS

Tgt Ion:	198	Resp:	50110
Ion Ratio	Lower	Upper	
198	100		
51	36.2	11.1	51.1
105	50.8	20.7	60.7

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#66

n-Nitrosodiphenylamine

Concen: 42.766 ng

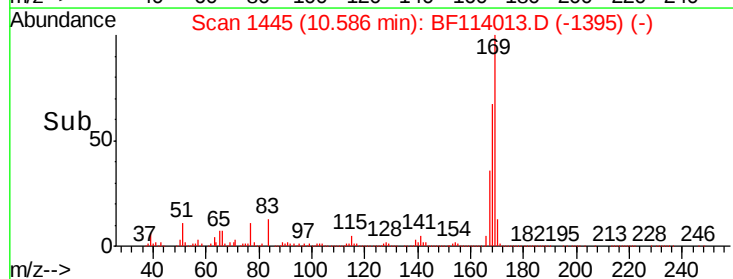
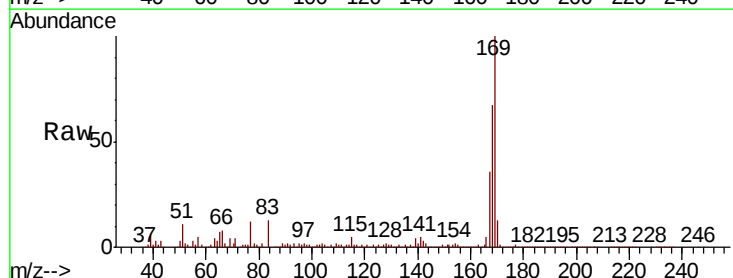
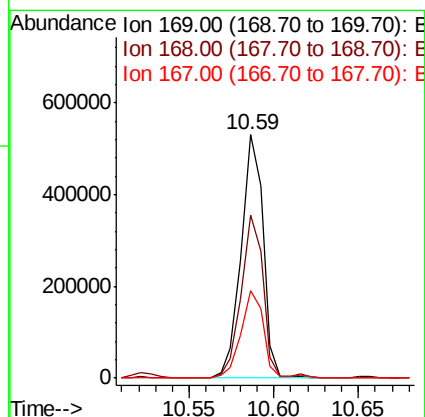
RT: 10.59 min Scan# 1445

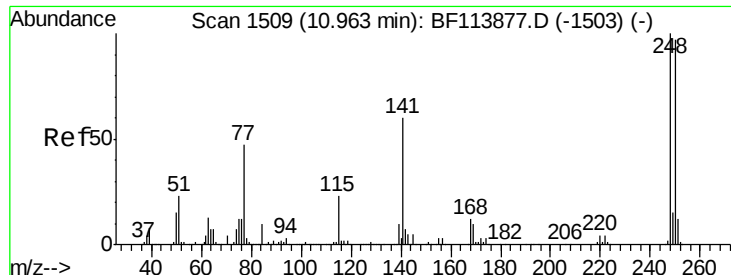
Delta R.T. -0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion:	169	Resp:	482121
Ion Ratio	Lower	Upper	
169	100		
168	66.7	54.3	81.5
167	35.8	29.4	44.0





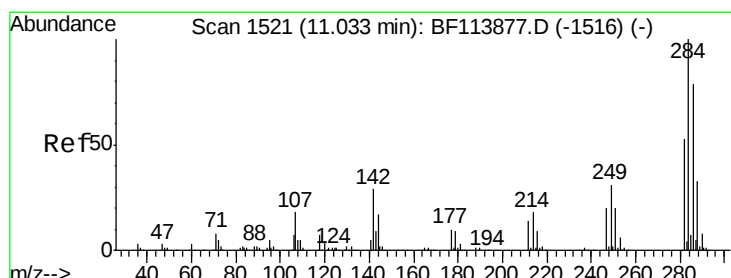
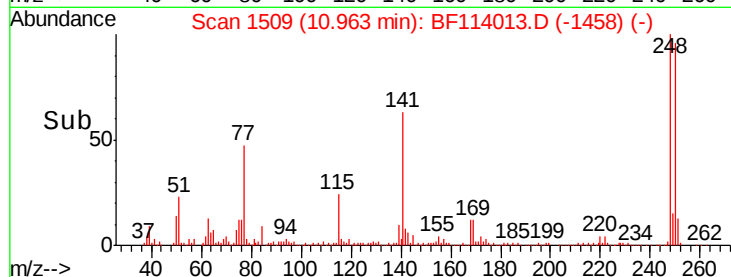
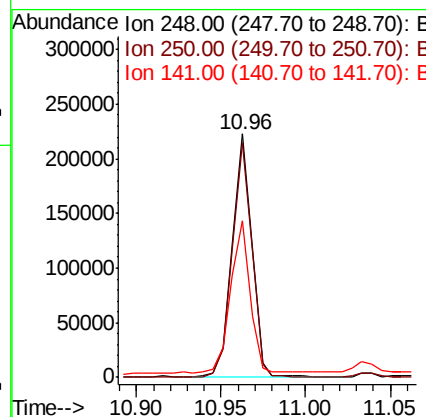
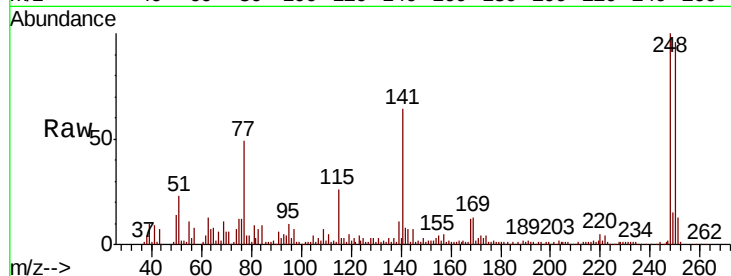
#67
4-Bromophenyl-phenylether
Concen: 39.952 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.3	75.8	113.6
141	64.3	50.2	75.4

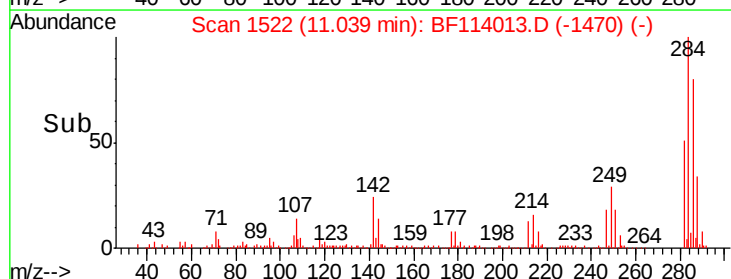
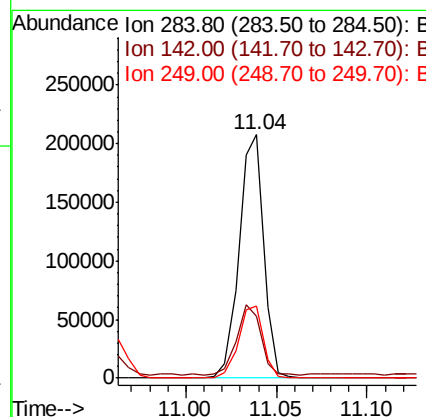
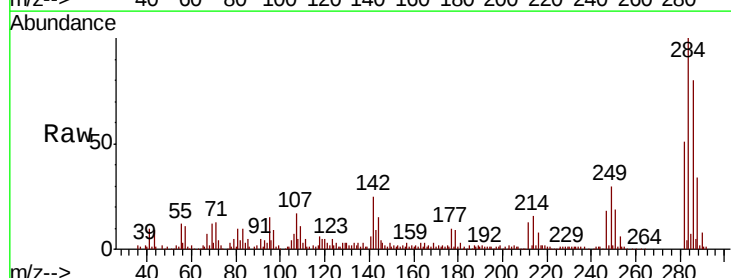
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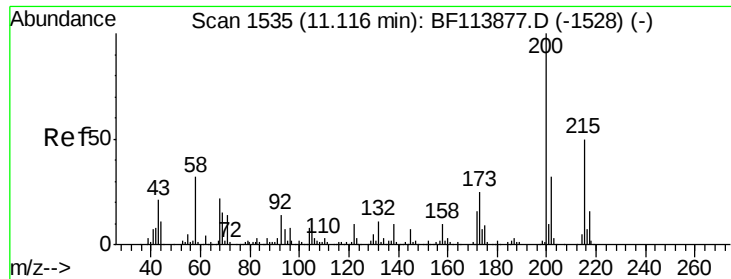
Sohil
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#68
Hexachlorobenzene
Concen: 39.339 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
284	100		
142	25.2	23.0	34.4
249	29.5	24.4	36.6





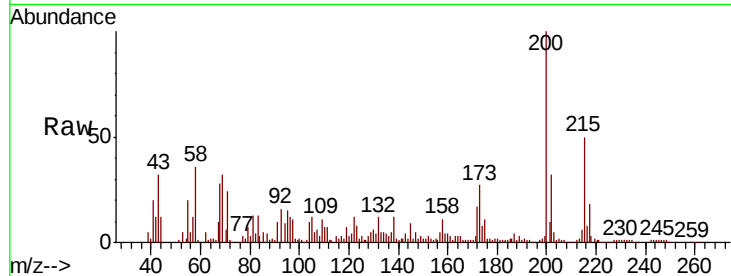
#69
Atrazine
Concen: 44.901 ng
RT: 11.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.4	5.9	45.9
215	49.9	29.3	69.3

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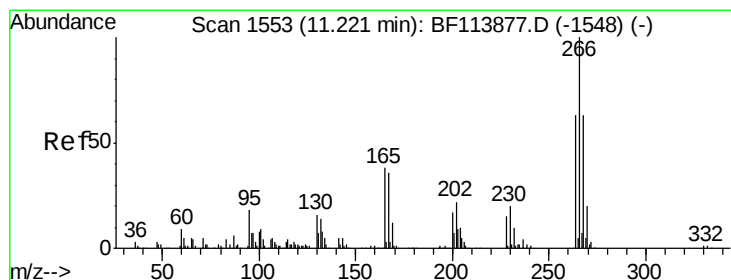
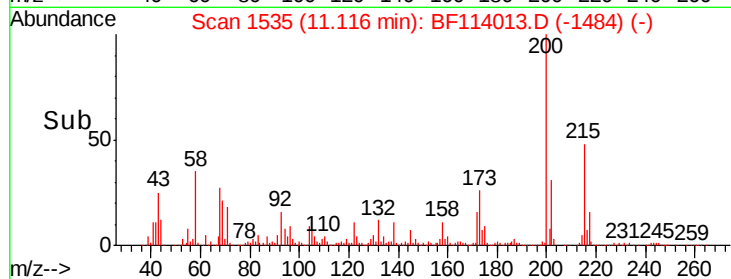
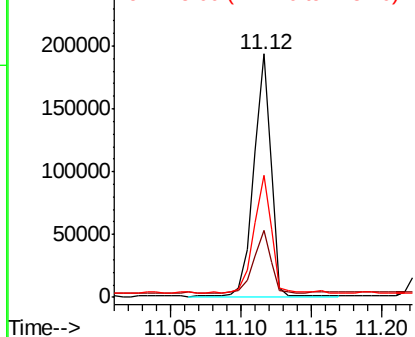


Abundance

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: 59.705 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

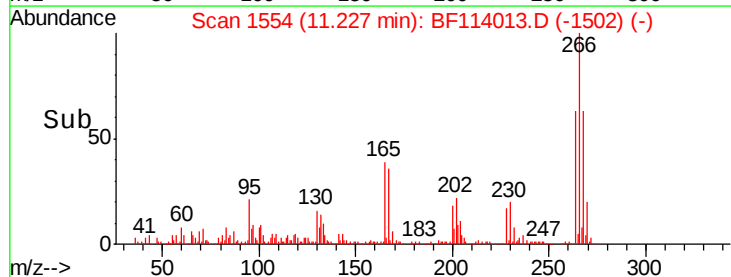
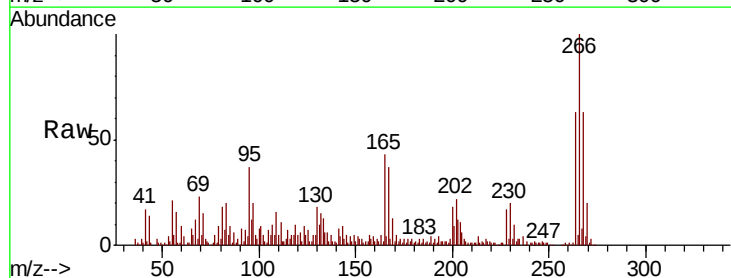
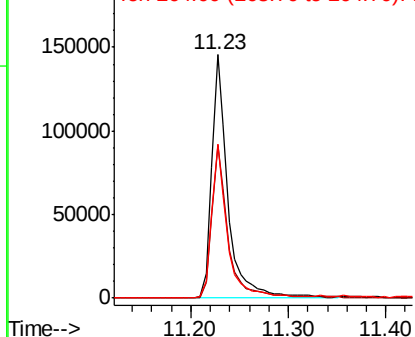
Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	62.7	53.5	80.3
264	63.0	51.0	76.6

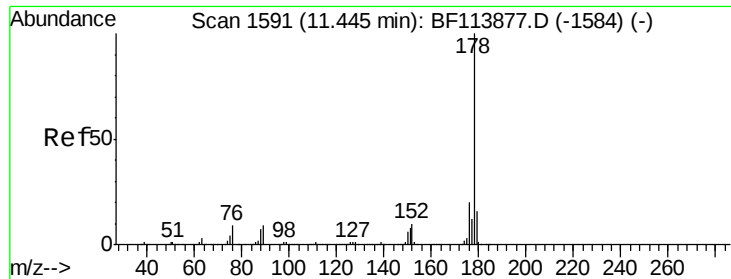
Abundance

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





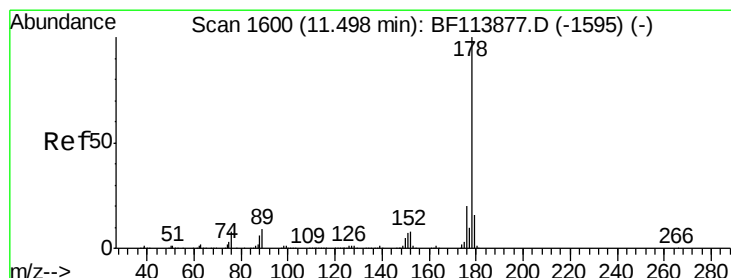
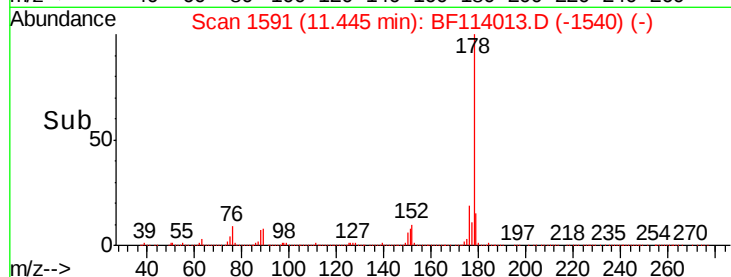
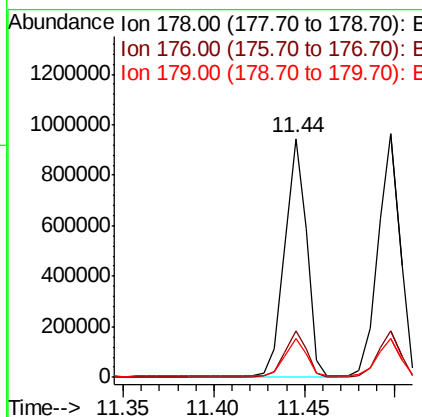
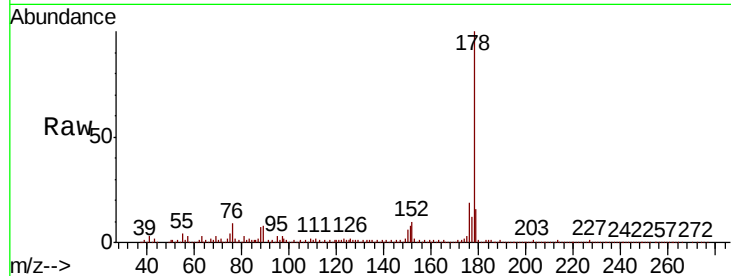
#71
Phenanthrene
Concen: 41.785 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.1	24.1
179	16.0	12.8	19.2

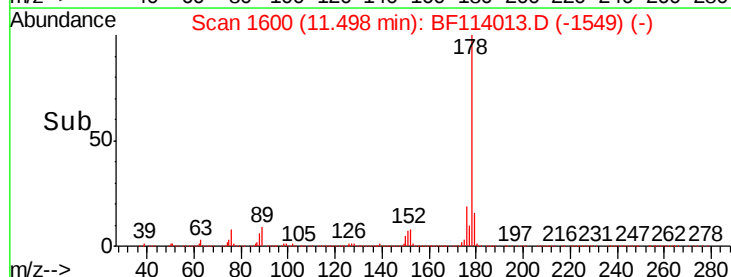
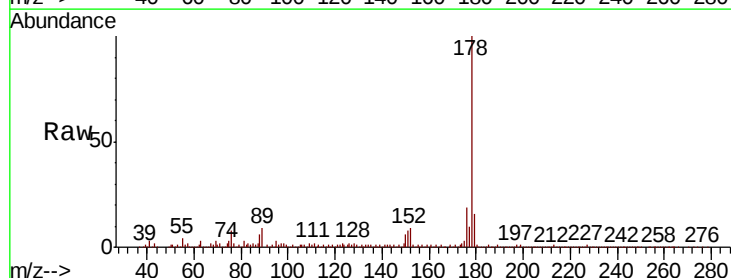
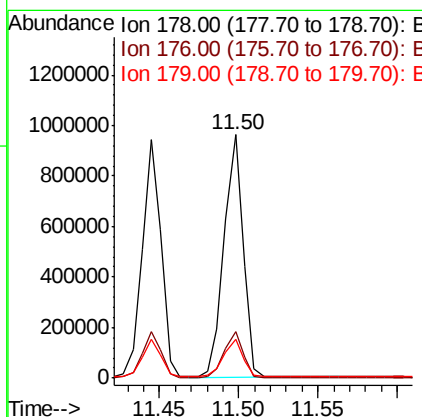
Manual Integrations
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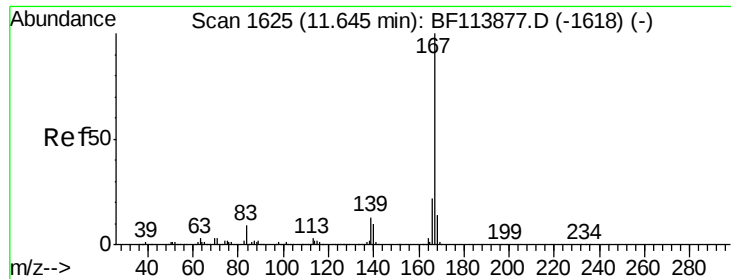
Sohil
4/27/2019 2:36:51 AM



#72
Anthracene
Concen: 42.477 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.9	13.0	19.4





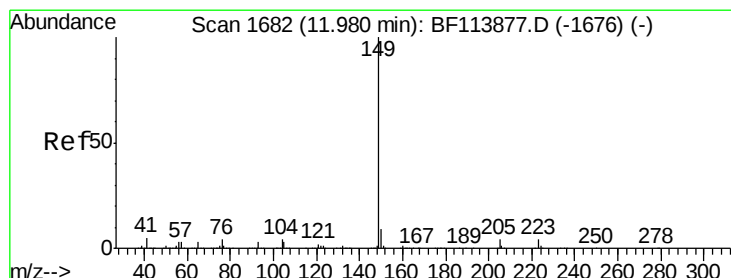
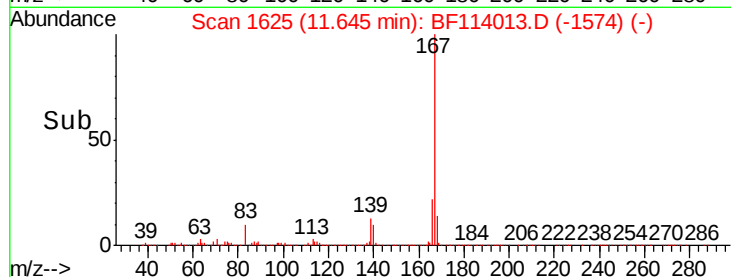
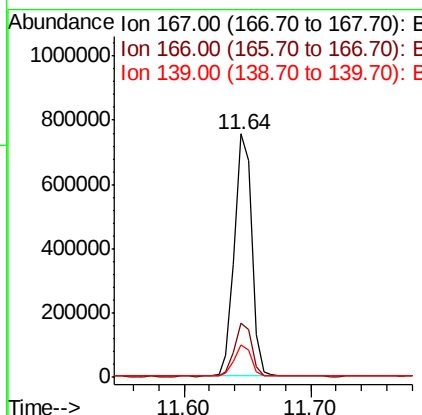
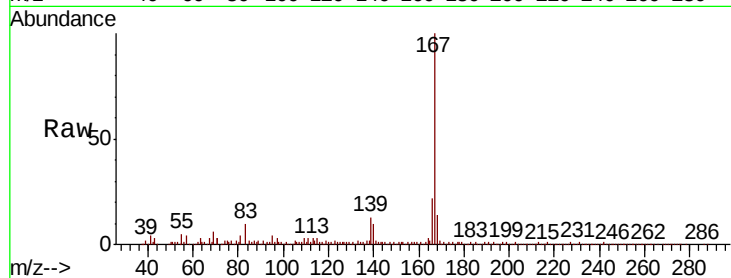
#73
 Carbazole
 Concen: 41.666 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.7	26.5
139	13.2	10.0	15.0

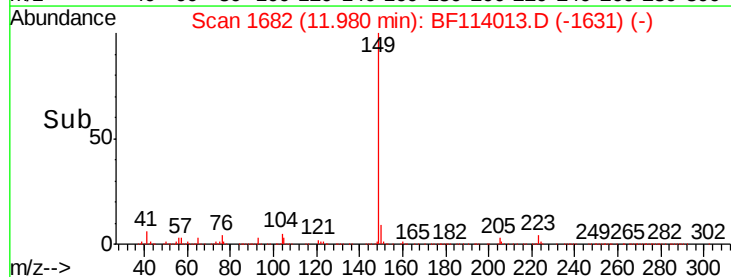
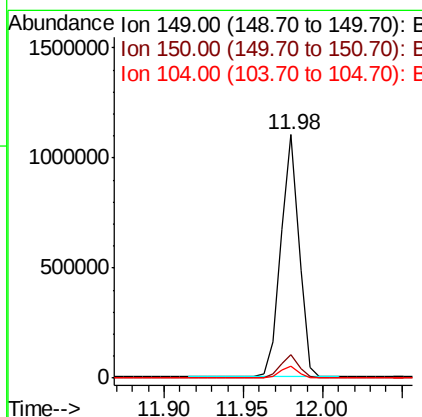
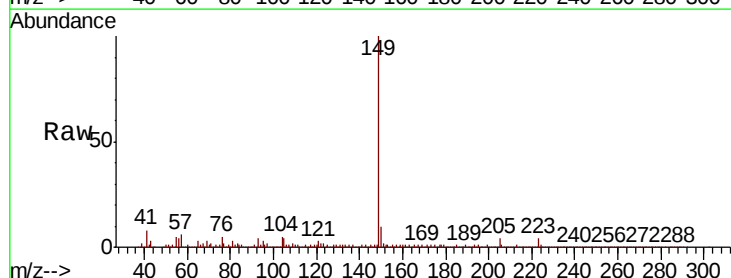
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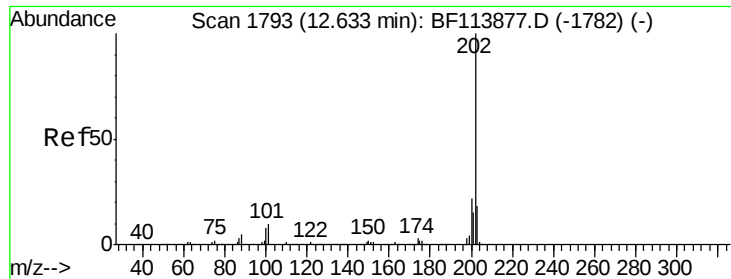
Sohil
 4/27/2019 2:36:51 AM



#74
 Di-n-butylphthalate
 Concen: 43.415 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.8	11.8
104	4.7	3.8	5.8





#75

Fluoranthene

Concen: 41.510 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

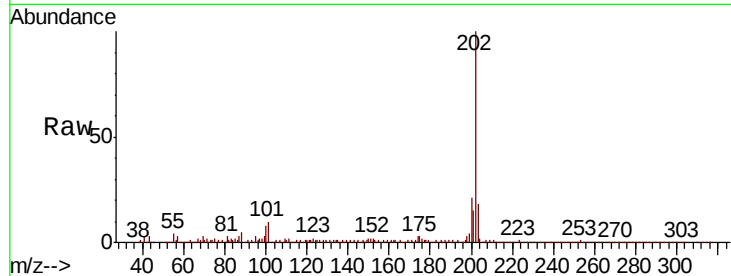
ClientSampleId :

114-PENNINGTONMS

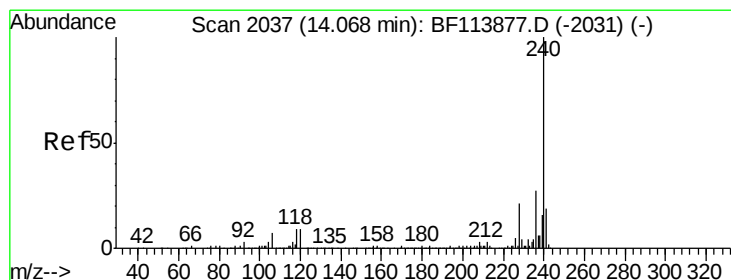
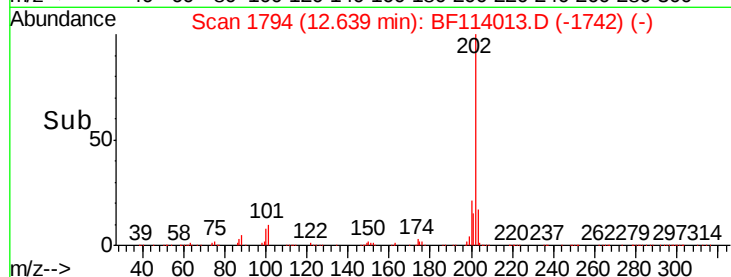
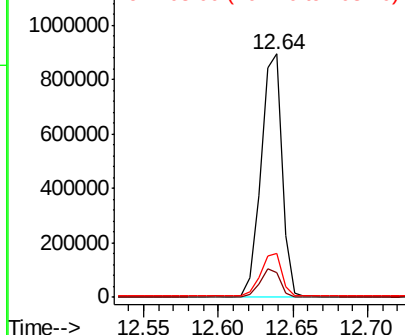
Tgt Ion:	202	Resp:	855136
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	32.9
203	18.2	0.0	38.2

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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: 14.06 min Scan# 2036

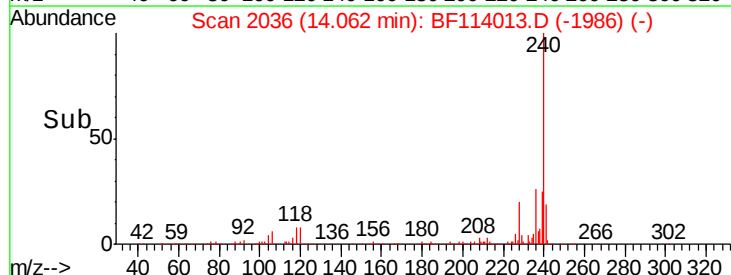
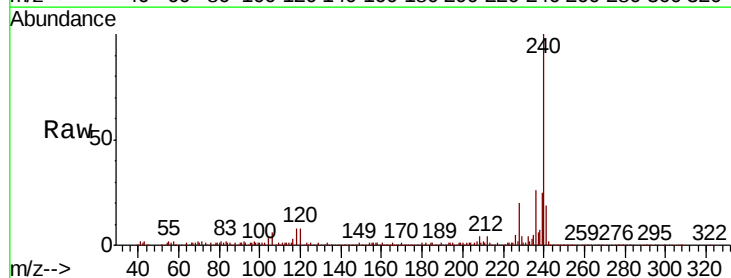
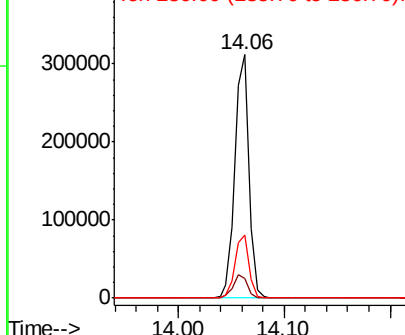
Delta R.T. -0.01 min

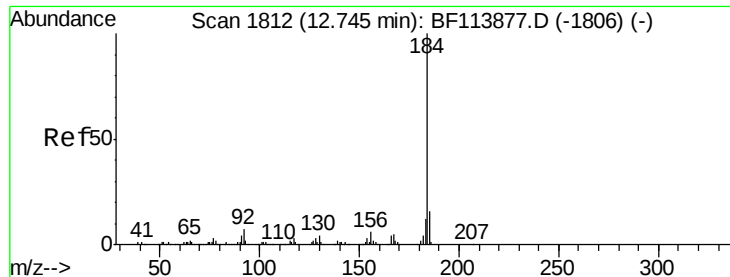
Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion:	240	Resp:	282535
Ion Ratio	Lower	Upper	
240	100		
120	8.3	9.3	13.9#
236	25.8	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: 16.860 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

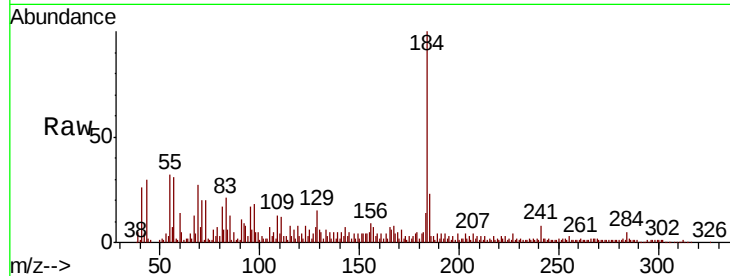
ClientSampleId :

114-PENNINGTONMS

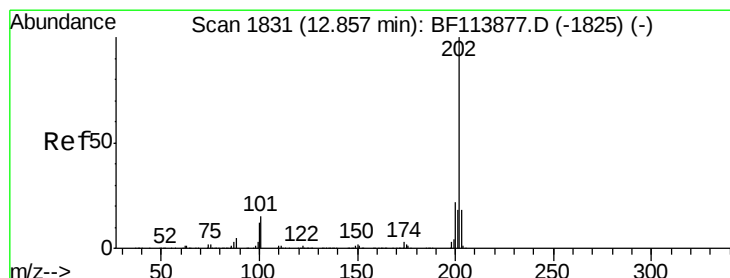
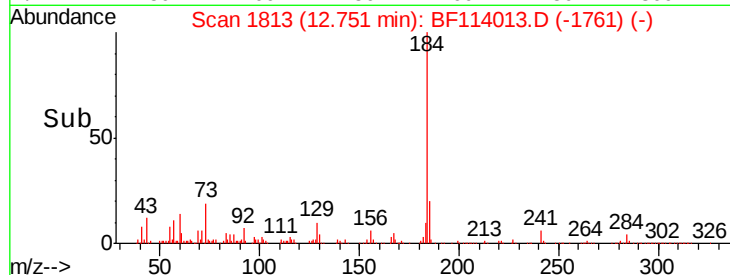
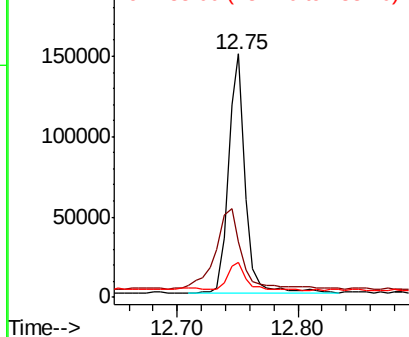
Tgt Ion:	184	Resp:	141929
Ion Ratio	Lower	Upper	
184	100		
185	22.8	13.0	19.6#
183	14.3	9.4	14.0#

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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: 43.625 ng

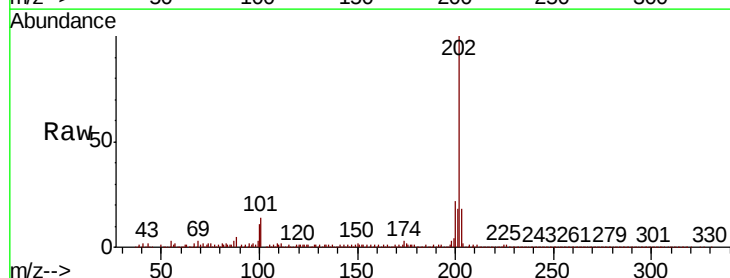
RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

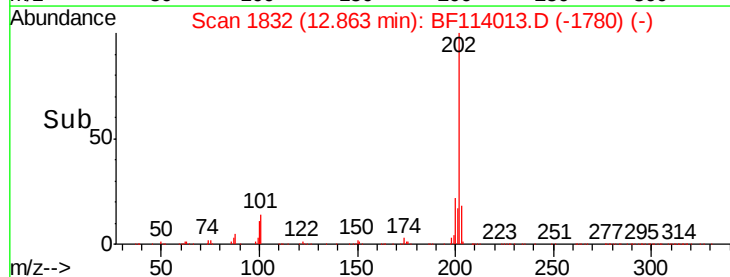
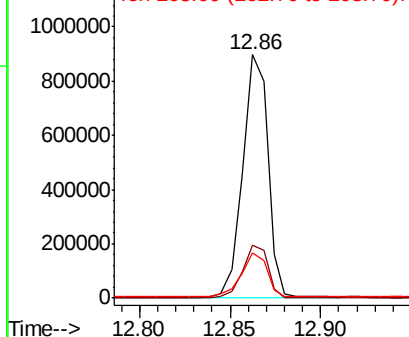
Lab File: BF114013.D

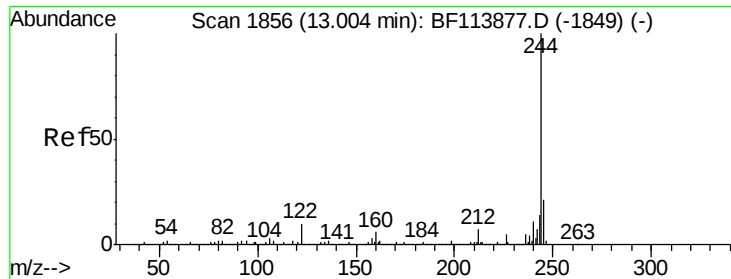
Acq: 26 Apr 2019 16:49

Tgt Ion:	202	Resp:	861953
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	18.4	15.0	22.6



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





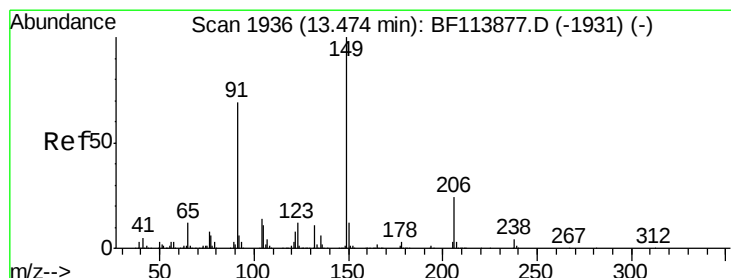
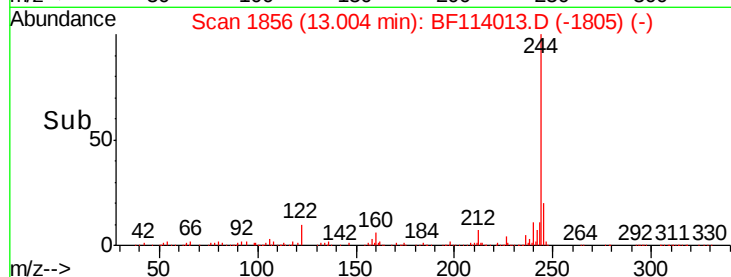
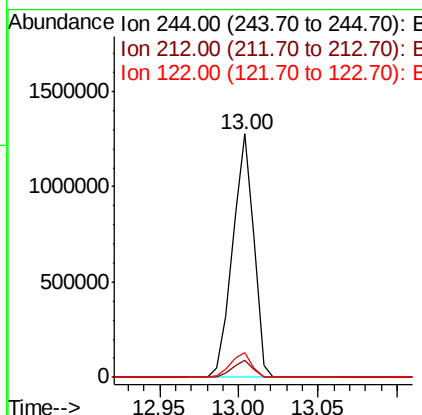
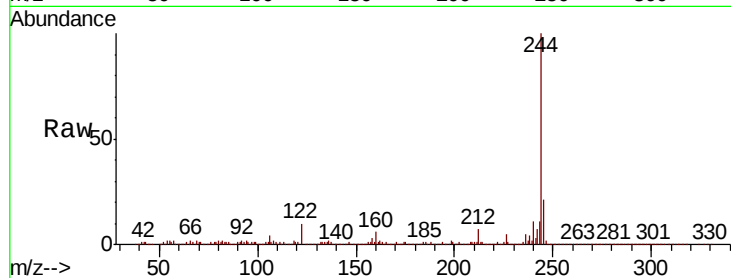
#79
 Terphenyl-d14
 Concen: 85.435 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMS

Tgt Ion:244 Resp: 1177403
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.2 7.6 11.4

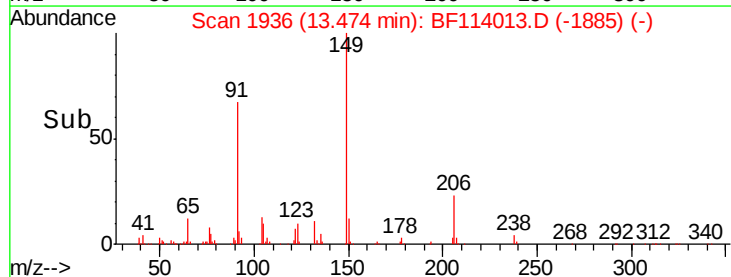
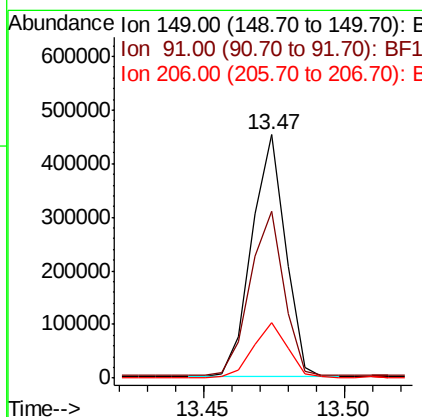
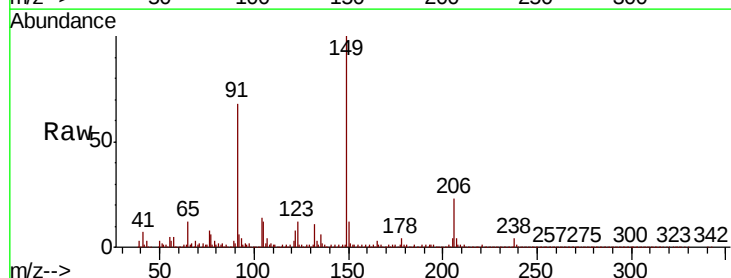
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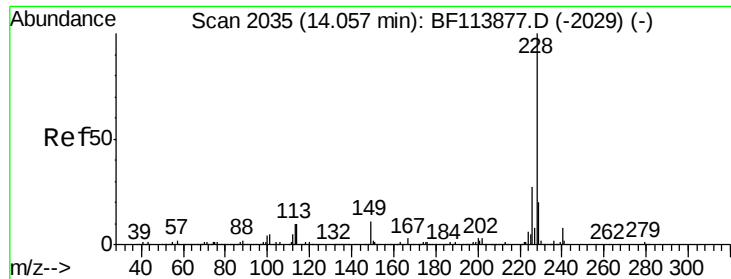
Sohil
 4/27/2019 2:36:51 AM



#80
 Butylbenzylphthalate
 Concen: 48.001 ng
 RT: 13.47 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: BF114013.D
 Acq: 26 Apr 2019 16:49

Tgt Ion:149 Resp: 373149
 Ion Ratio Lower Upper
 149 100
 91 68.3 56.3 84.5
 206 23.0 19.0 28.6





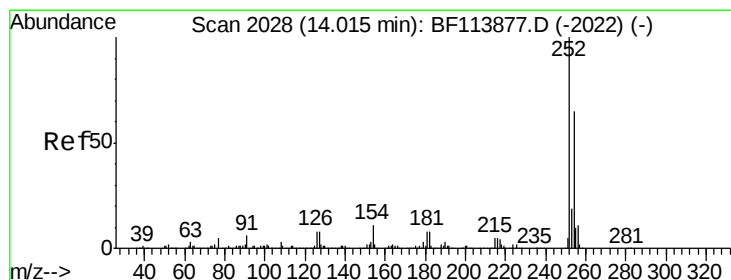
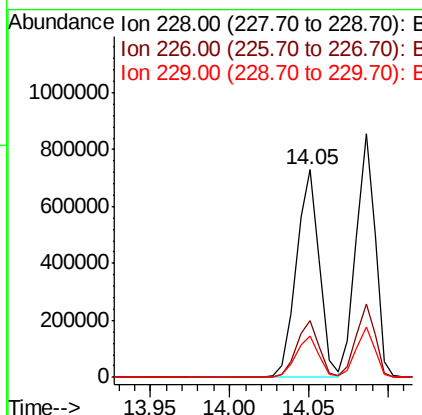
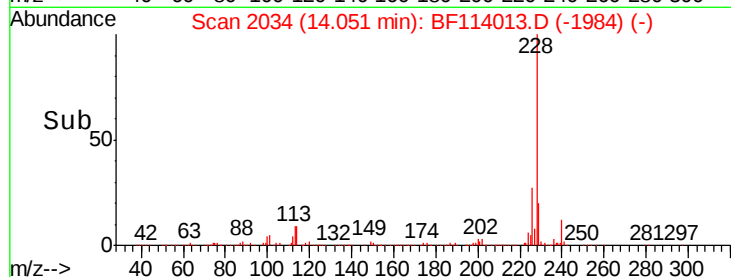
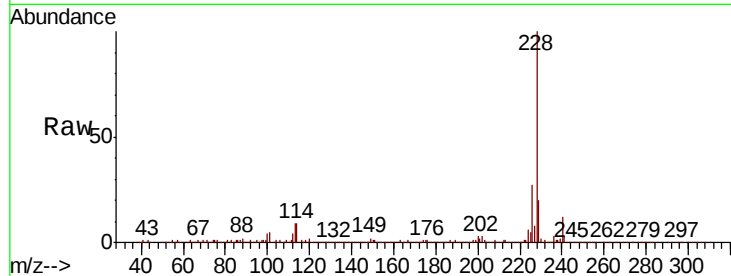
#81
Benzo(a)anthracene
Concen: 43.634 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.2	33.2
229	20.1	16.0	24.0

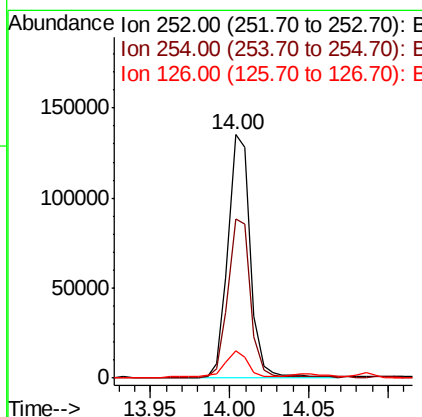
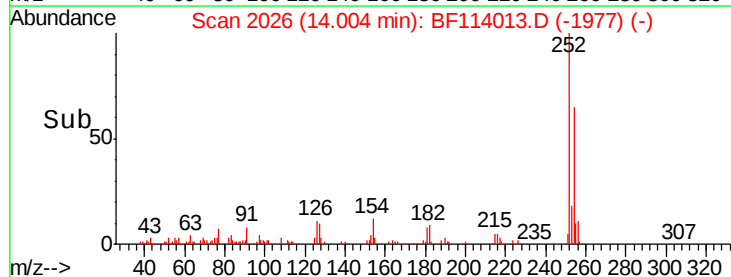
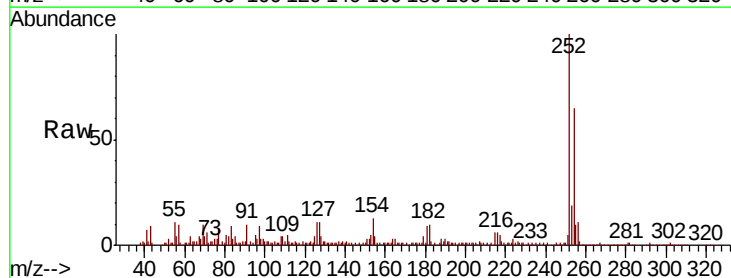
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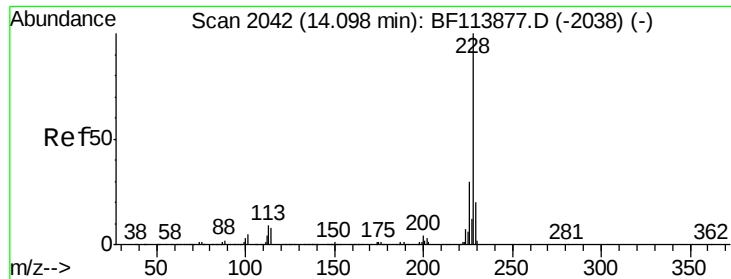
Sohil
4/27/2019 2:36:51 AM



#82
3,3'-Dichlorobenzidine
Concen: 22.015 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.1	78.1
126	11.0	9.3	13.9





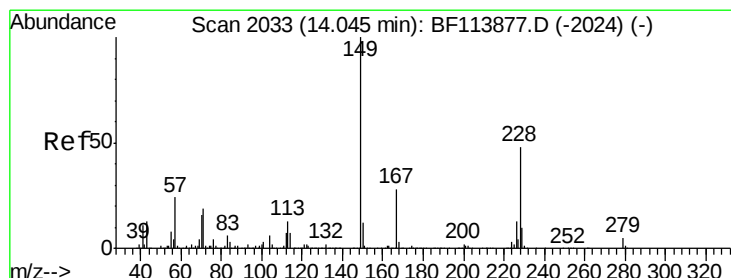
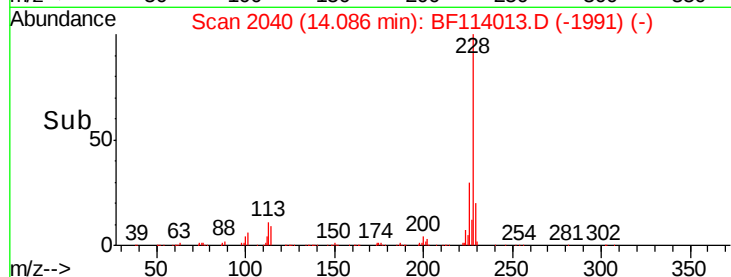
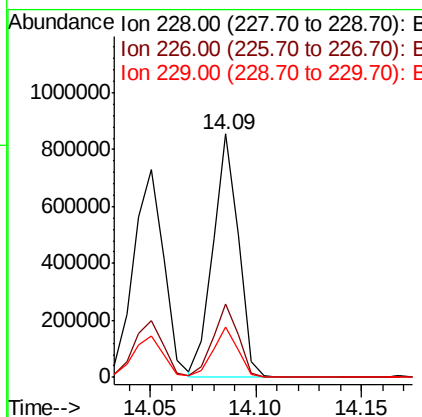
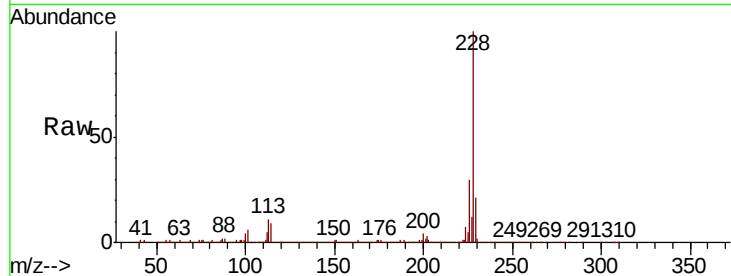
#83
Chrysene
Concen: 44.209 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.2	37.8
229	20.6	16.7	25.1

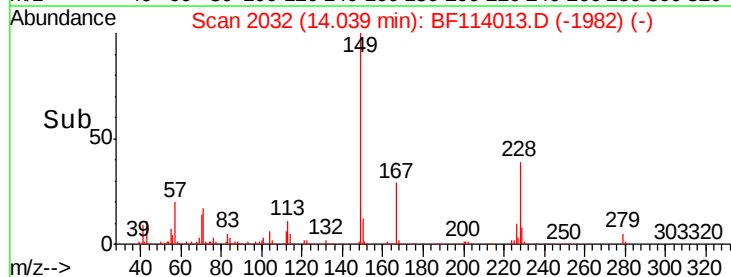
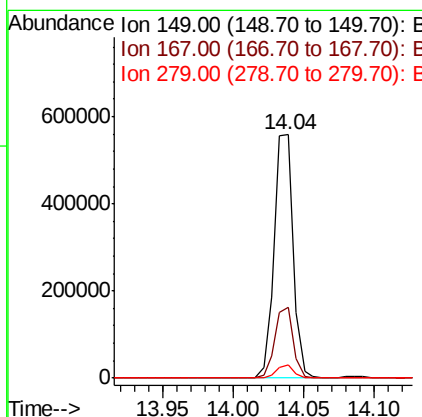
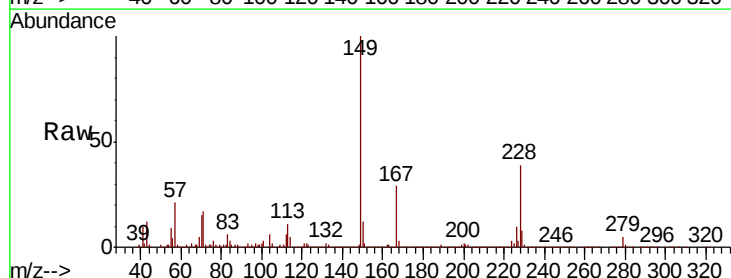
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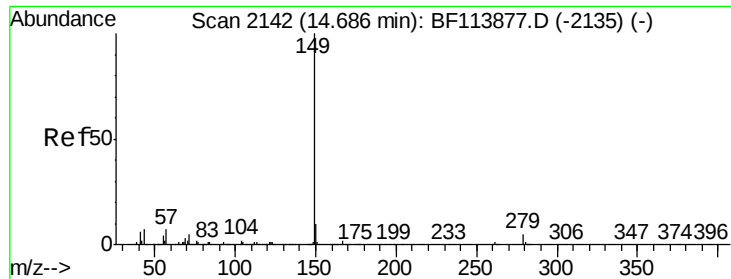
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 53.175 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.9	34.3
279	5.3	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 51.996 ng

RT: 14.66 min Scan# 2137

Delta R.T. -0.03 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

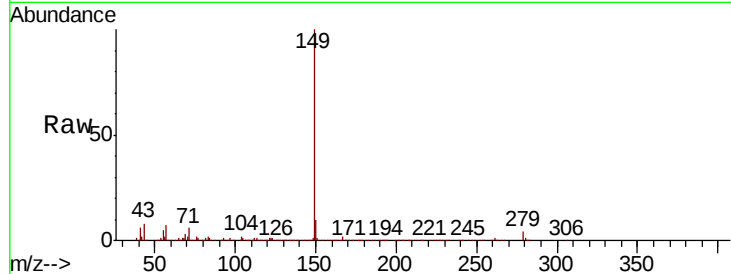
ClientSampleId :

114-PENNINGTONMS

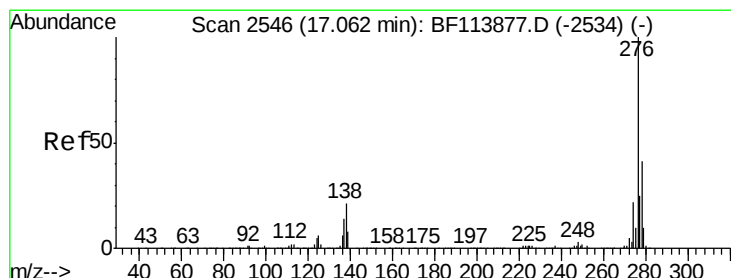
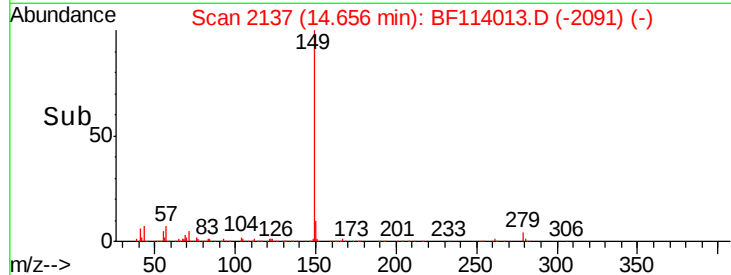
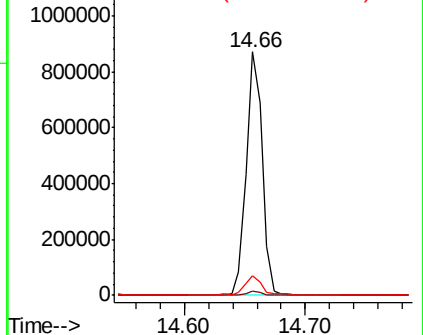
Tgt Ion:	149	Resp:	804966
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	7.7	6.6	10.0

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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: 47.598 ng

RT: 17.04 min Scan# 2543

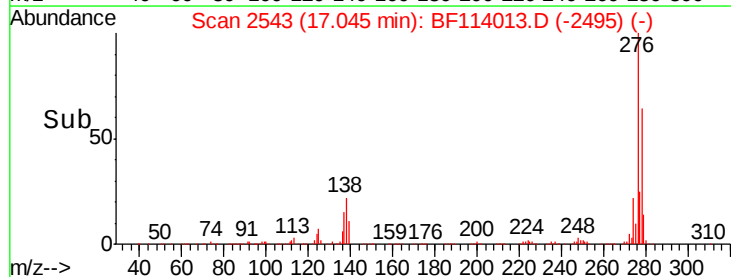
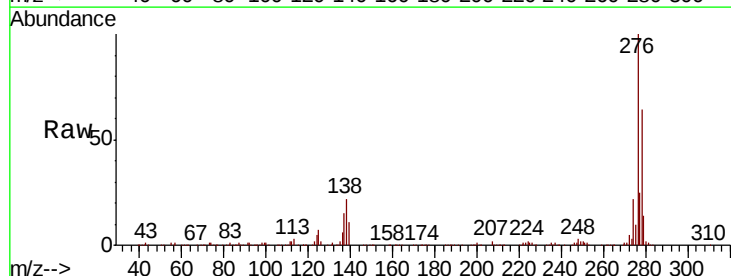
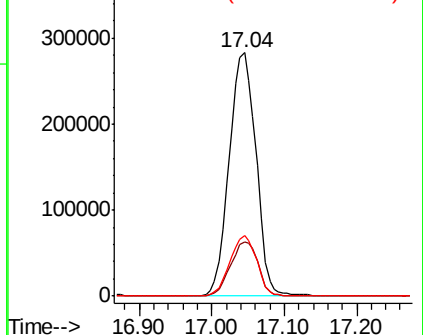
Delta R.T. -0.02 min

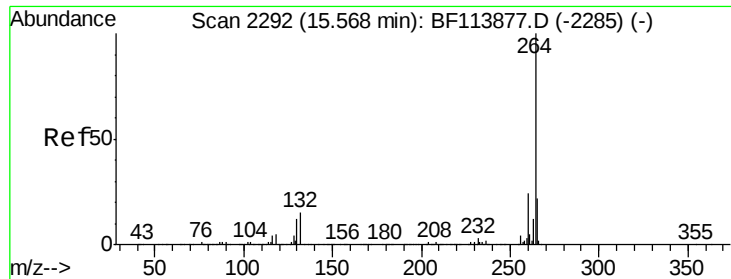
Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion:	276	Resp:	730936
Ion Ratio	Lower	Upper	
276	100		
138	23.1	19.6	29.4
277	25.0	20.2	30.4

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





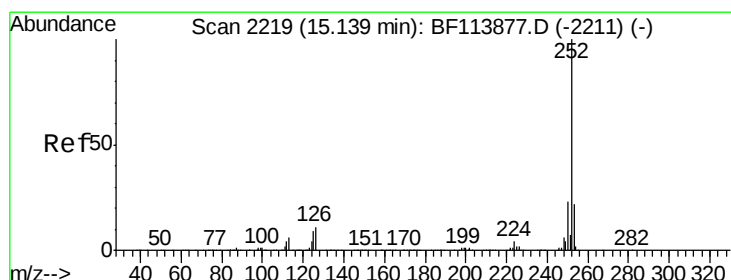
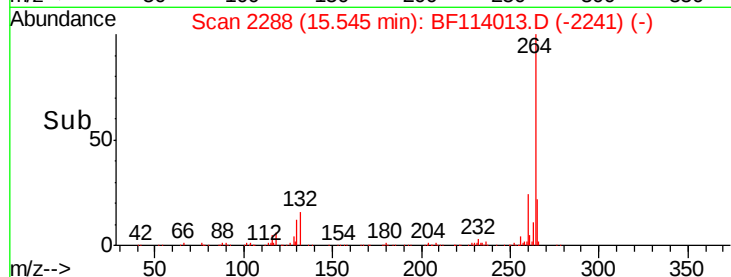
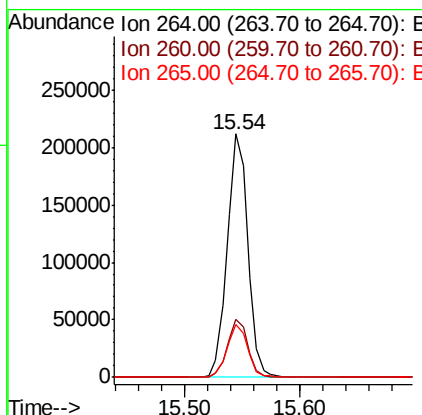
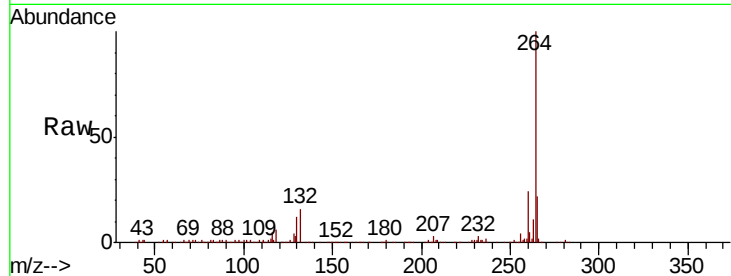
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.02 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.9	17.3	25.9

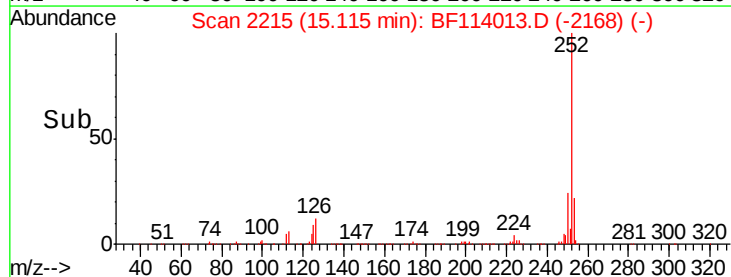
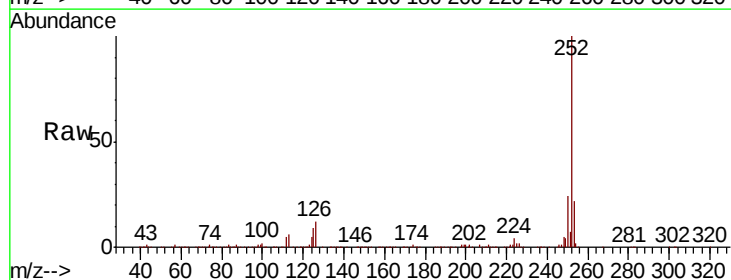
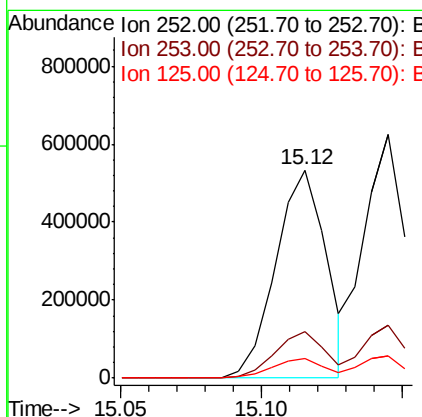
Manual Integrations
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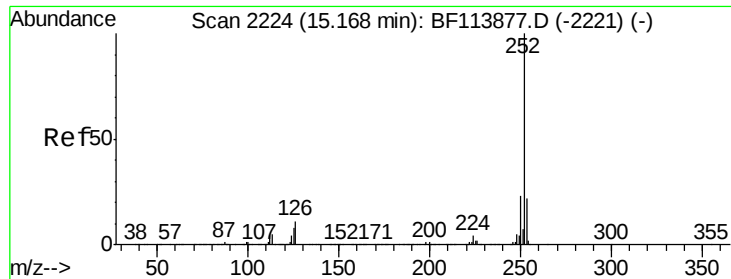
Sohil
4/27/2019 2:36:51 AM



#88
Benzo(b)fluoranthene
Concen: 39.969 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	9.2	7.0	10.6





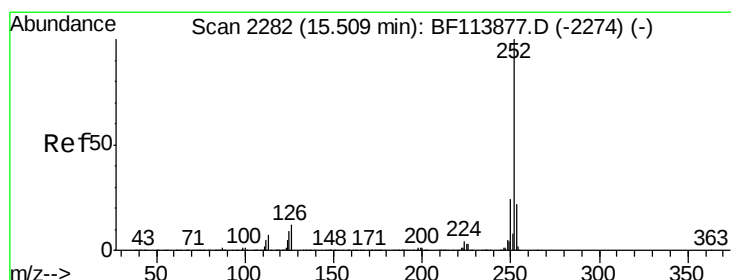
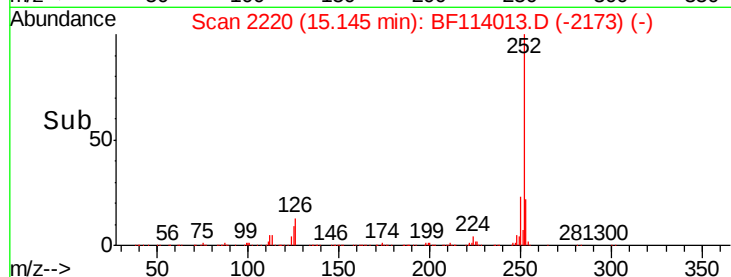
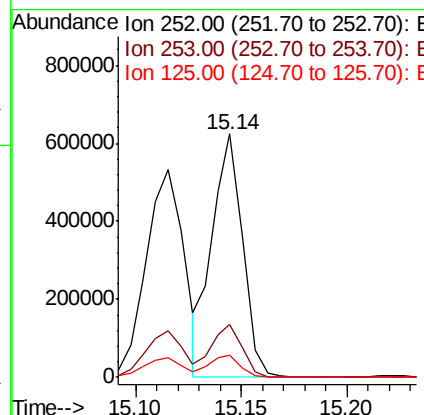
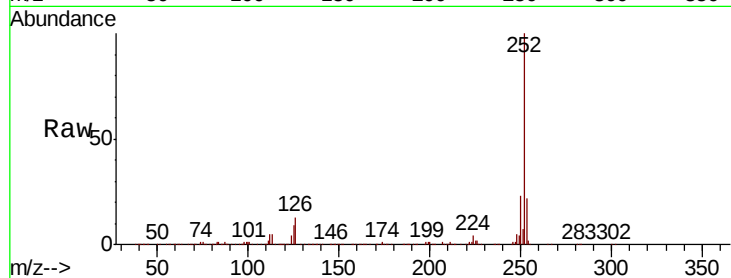
#89
Benzo(k)fluoranthene
Concen: 44.220 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	9.1	7.4	11.2

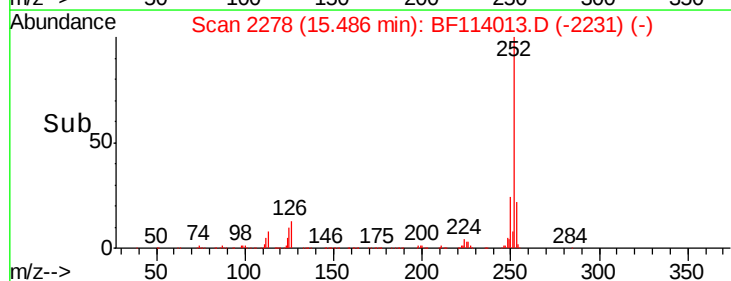
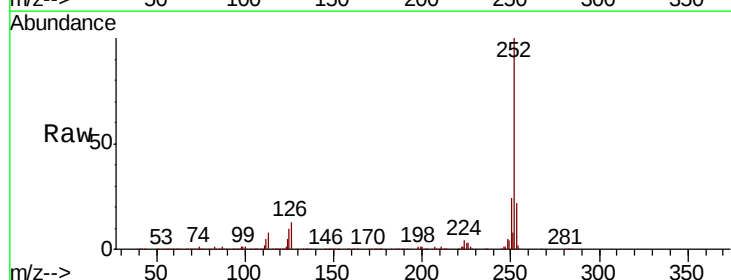
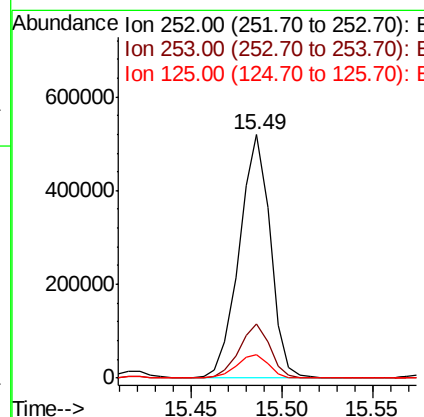
Manual Integrations
APPROVED

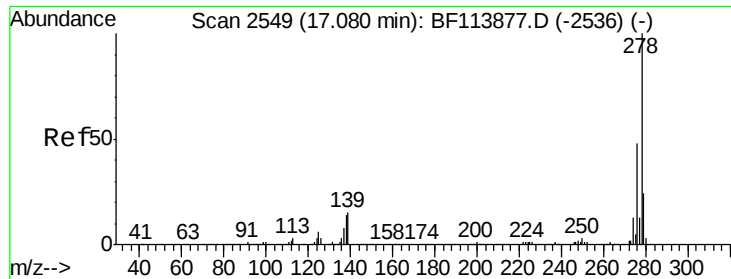
Sohil
4/27/2019 2:36:51 AM



#90
Benzo(a)pyrene
Concen: 43.211 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114013.D
Acq: 26 Apr 2019 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.8	8.5	12.7





#91

Dibenzo(a,h)anthracene

Concen: 45.489 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.02 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Instrument :

BNA_F

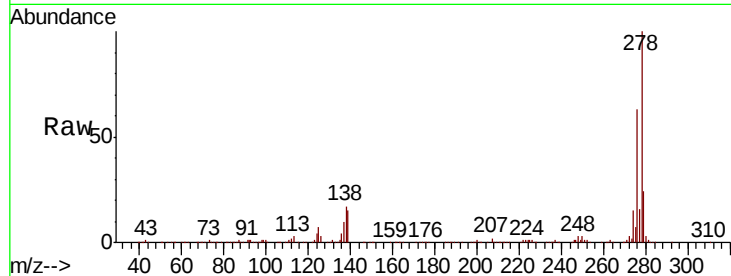
ClientSampleId :

114-PENNINGTONMS

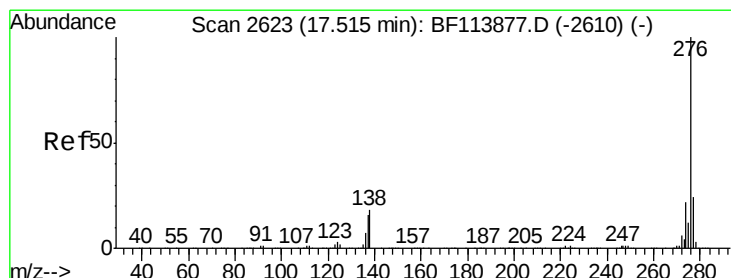
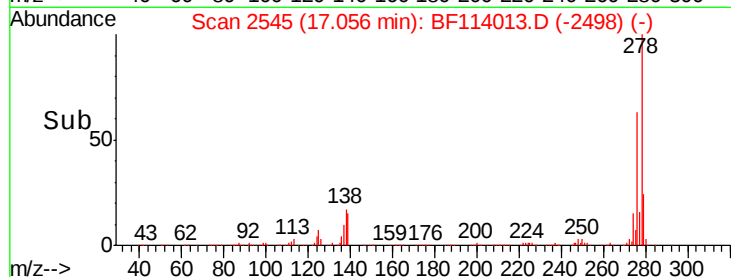
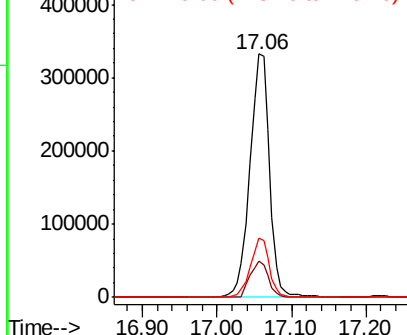
Tgt Ion:	278	Resp:	610479
Ion Ratio	Lower	Upper	
278	100		
139	15.0	11.6	17.4
279	24.1	19.0	28.6

Manual Integrations
APPROVED

Sohil
4/27/2019 2:36:51 AM



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



#92

Benzo(g,h,i)perylene

Concen: 44.948 ng

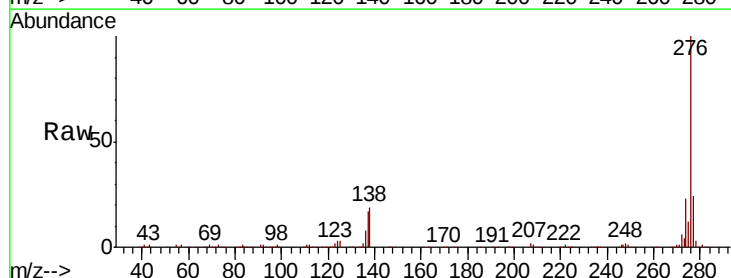
RT: 17.49 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF114013.D

Acq: 26 Apr 2019 16:49

Tgt Ion:	276	Resp:	608748
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.4
138	19.4	16.6	25.0



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

