

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117963.D
 Acq On : 23 Nov 2019 18:15
 Operator : JU
 Sample : K5951-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-4FTMSD

Manual Integrations
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 11/25/2019 2:32:22 PM

Quant Time: Nov 25 08:30:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	136085	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	440183	20.00	ng	-0.02
39) Acenaphthene-d10	9.96	164	236218	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	474533	20.00	ng	-0.02
76) Chrysene-d12	14.10	240	369314	20.00	ng	-0.02
87) Perylene-d12	15.59	264	373163	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	958716	124.70	ng	-0.01
7) Phenol-d6	6.53	99	1227456	132.37	ng	-0.01
23) Nitrobenzene-d5	7.47	82	756304	102.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	359918	143.92	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	1237229	93.97	ng	-0.02
79) Terphenyl-d14	13.04	244	1522746	75.36	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	120909	33.645	ng	96
3) Pyridine	3.48	79	282620	29.981	ng	98
4) n-Nitrosodimethylamine	3.43	42	153988	37.421	ng	98
6) Aniline	6.56	93	338723	27.642	ng	99
8) 2-Chlorophenol	6.69	128	382601	45.864	ng	97
9) Benzaldehyde	6.45	77	166452	24.563	ng	98
10) Phenol	6.55	94	483172	50.143	ng	98
11) bis(2-Chloroethyl)ether	6.64	93	330377	42.695	ng	97
12) 1,3-Dichlorobenzene	6.85	146	420619	42.828	ng	99
13) 1,4-Dichlorobenzene	6.92	146	424228	42.734	ng	99
14) 1,2-Dichlorobenzene	7.07	146	356872	37.588	ng	100
15) Benzyl Alcohol	7.05	79	297242	41.519	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	409421	34.366	ng	98
17) 2-Methylphenol	7.15	107	291835	41.310	ng	99
18) Hexachloroethane	7.42	117	153818	42.179	ng	97
19) n-Nitroso-di-n-propylamine	7.32	70	244951	42.819	ng	97
20) 3+4-Methylphenols	7.30	107	390069	44.481	ng	# 88
22) Acetophenone	7.31	105	511289	51.700	ng	96
24) Nitrobenzene	7.49	77	403106	52.770	ng	99
25) Isophorone	7.73	82	602652	44.405	ng	98
26) 2-Nitrophenol	7.80	139	182887	49.188	ng	96
27) 2,4-Dimethylphenol	7.84	122	291021	50.371	ng	99
28) bis(2-Chloroethoxy)methane	7.93	93	354821	41.199	ng	99
29) 2,4-Dichlorophenol	8.05	162	281403	44.903	ng	98
30) 1,2,4-Trichlorobenzene	8.13	180	304132	41.838	ng	99
31) Naphthalene	8.22	128	953019	46.441	ng	98
32) Benzoic acid	7.96	122	216459	44.745	ng	97
33) 4-Chloroaniline	8.26	127	130322	14.186	ng	97
34) Hexachlorobutadiene	8.33	225	173085	40.725	ng	100
35) Caprolactam	8.63	113	93510m	46.949	ng	
36) 4-Chloro-3-methylphenol	8.75	107	296940	46.688	ng	100
37) 2-Methylnaphthalene	8.91	142	646950	46.660	ng	98
38) 1-Methylnaphthalene	9.01	142	612253	46.708	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.07	216	284866	41.526	ng	99

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Instrument :
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 ClientSampleId :
 IRONBOUND-4FTMSD

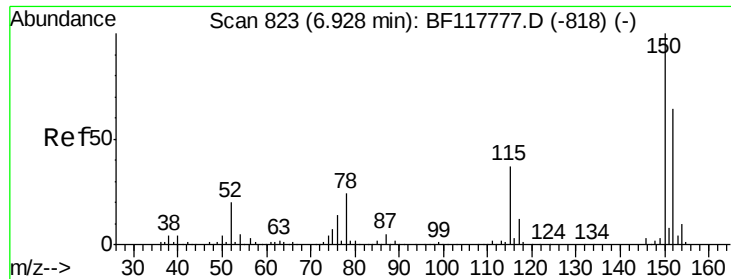
Manual Integrations
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 11/25/2019 2:32:22 PM

Quant Time: Nov 25 08:30:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.06	237	354084	92.105	ng	99
43) 2,4,6-Trichlorophenol	9.19	196	209267	42.590	ng	100
44) 2,4,5-Trichlorophenol	9.23	196	219086	42.944	ng	96
46) 1,1'-Biphenyl	9.37	154	783419	44.702	ng	98
47) 2-Chloronaphthalene	9.40	162	610845	42.369	ng	99
48) 2-Nitroaniline	9.49	65	182323	41.888	ng	94
49) Acenaphthylene	9.82	152	992523	47.219	ng	99
50) Dimethylphthalate	9.67	163	937608	56.603	ng	98
51) 2,6-Dinitrotoluene	9.73	165	164011	45.304	ng	97
52) Acenaphthene	9.99	154	692246	51.411	ng	97
53) 3-Nitroaniline	9.90	138	96201	22.208	ng	93
54) 2,4-Dinitrophenol	10.01	184	178816	94.673	ng	# 83
55) Dibenzofuran	10.16	168	872203	46.778	ng	99
56) 4-Nitrophenol	10.07	139	308038	95.265	ng	92
57) 2,4-Dinitrotoluene	10.14	165	227782	49.462	ng	99
58) Fluorene	10.50	166	674627	46.690	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.28	232	186632	44.524	ng	97
60) Diethylphthalate	10.37	149	733089	45.394	ng	100
61) 4-Chlorophenyl-phenylether	10.50	204	332340	45.323	ng	99
62) 4-Nitroaniline	10.52	138	181142	41.763	ng	97
63) Azobenzene	10.66	77	667056	45.402	ng	97
65) 4,6-Dinitro-2-methylphenol	10.55	198	124162	56.048	ng	94
66) n-Nitrosodiphenylamine	10.62	169	602543	43.630	ng	99
67) 4-Bromophenyl-phenylether	10.99	248	210810	41.173	ng	91
68) Hexachlorobenzene	11.06	284	245235	41.076	ng	97
69) Atrazine	11.15	200	208953	45.995	ng	99
70) Pentachlorophenol	11.25	266	285662	81.897	ng	98
71) Phenanthrene	11.47	178	1062038	44.515	ng	98
72) Anthracene	11.53	178	1102066	46.590	ng	98
73) Carbazole	11.68	167	976858	47.258	ng	98
74) Di-n-butylphthalate	12.00	149	1178226	45.780	ng	99
75) Fluoranthene	12.67	202	1138306	53.879	ng	98
77) Benzidine	12.79	184	512504	42.366	ng	98
78) Pyrene	12.90	202	1171374	39.247	ng	99
80) Butylbenzylphthalate	13.51	149	530069	41.350	ng	96
81) Benzo(a)anthracene	14.09	228	1078855	44.207	ng	99
82) 3,3'-Dichlorobenzidine	14.04	252	254183	29.776	ng	99
83) Chrysene	14.13	228	1018935	43.087	ng	99
84) Bis(2-ethylhexyl)phthalate	14.07	149	723342	46.544	ng	99
85) Di-n-octyl phthalate	14.69	149	1244031	54.488	ng	98
86) Indeno(1,2,3-cd)pyrene	17.12	276	950151	47.208	ng	99
88) Benzo(b)fluoranthene	15.15	252	1042432	42.997	ng	99
89) Benzo(k)fluoranthene	15.19	252	944499	41.346	ng	99
90) Benzo(a)pyrene	15.53	252	885089	41.516	ng	100
91) Dibenzo(a,h)anthracene	17.14	278	793786	43.258	ng	98
92) Benzo(g,h,i)perylene	17.59	276	797312	43.624	ng	99

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



#1

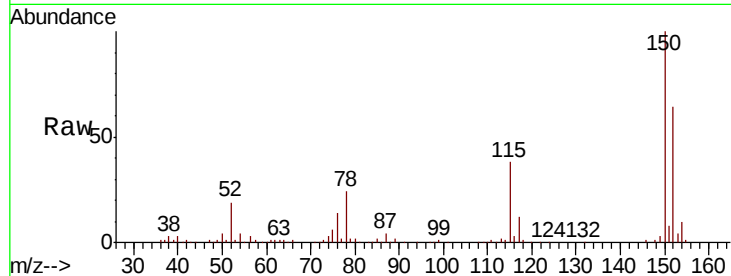
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.3	187.9
115	59.5	47.0	70.4

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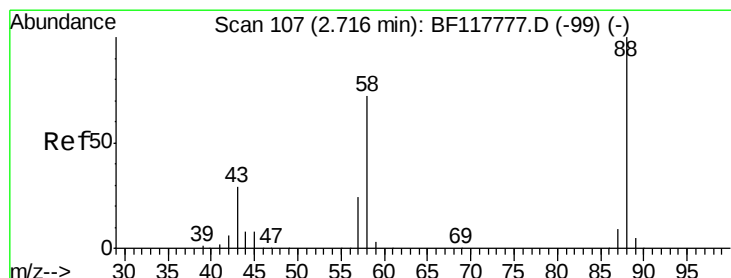
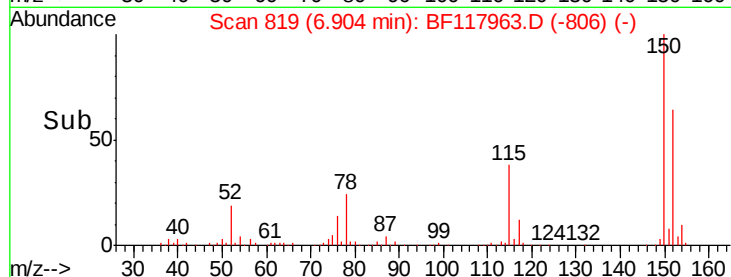
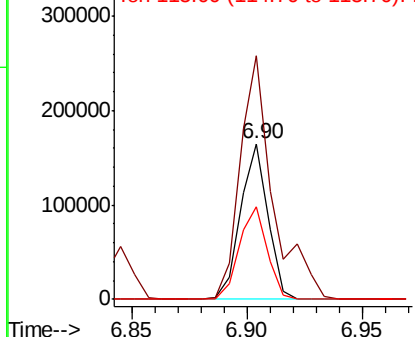


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

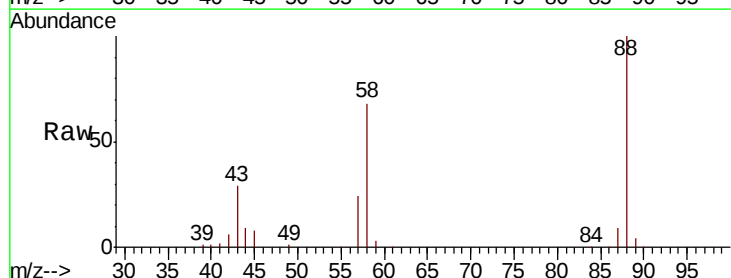
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.645 ng
RT: 2.72 min Scan# 107
Delta R.T. -0.00 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.7	58.2	87.2
43	27.7	23.3	34.9

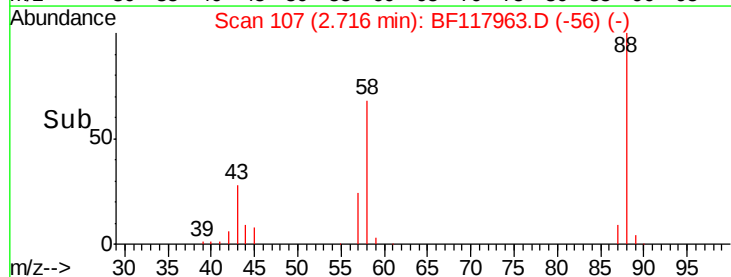
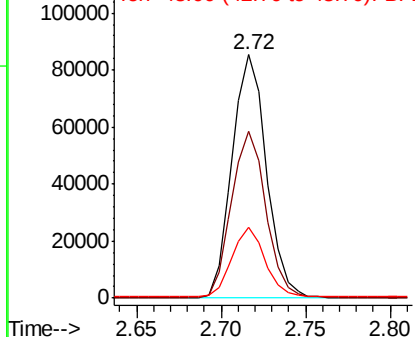


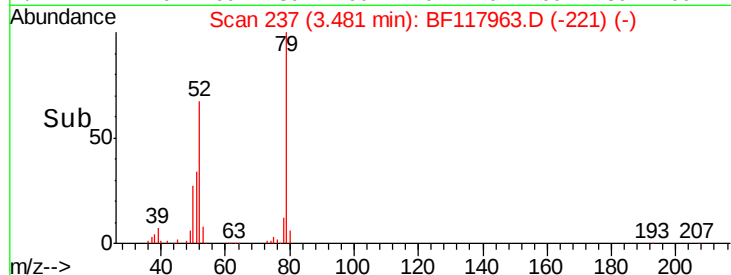
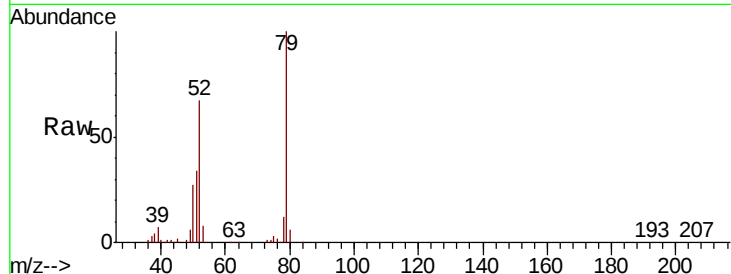
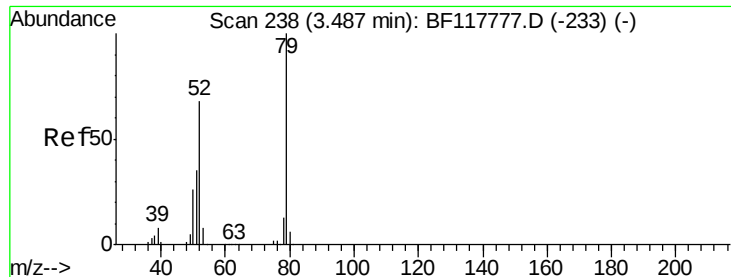
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





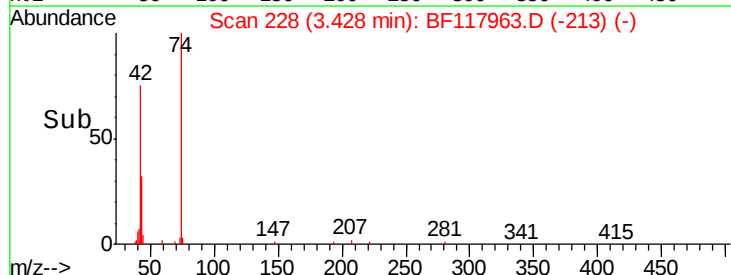
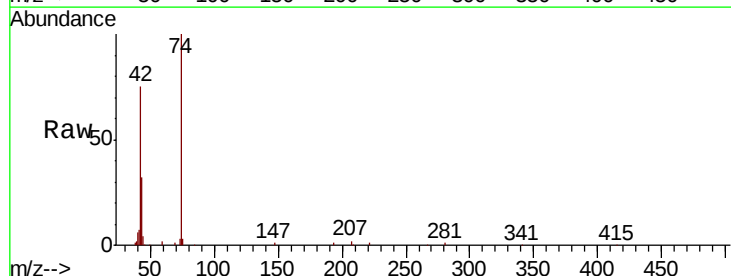
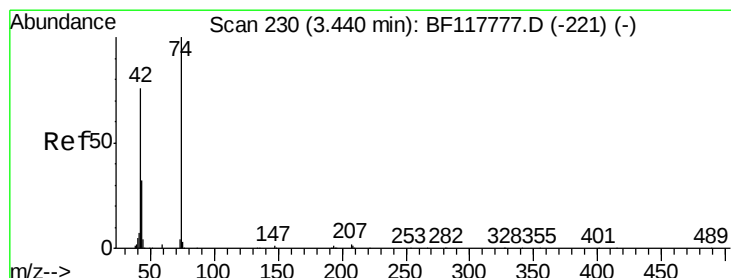
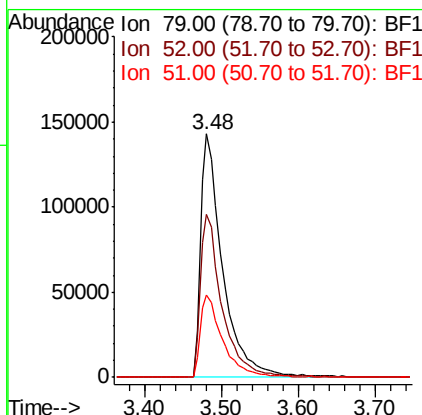
#3
Pvridine
Concen: 29.981 ng
RT: 3.48 min Scan# 237
Delta R.T. -0.01 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tot Ion	Ratio	Resp	Lower	Upper
79	100	282620		
52	66.8		54.8	82.2
51	33.8		28.2	42.4

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

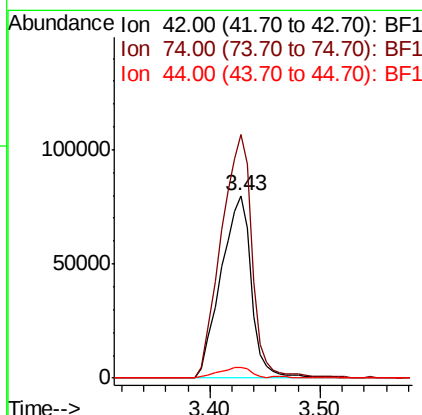
Manual Integrations
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#4
n-Nitrosodimethylamine
Concen: 37.421 ng
RT: 3.43 min Scan# 228
Delta R.T. -0.01 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	153988		
74	133.6		105.1	157.7
44	5.9		4.6	7.0





#5

2-Fluorophenol

Concen: 124.704 ng

RT: 5.52 min Scan# 584

Delta R.T. -0.01 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

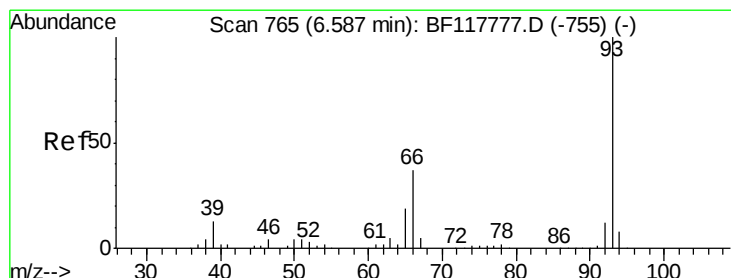
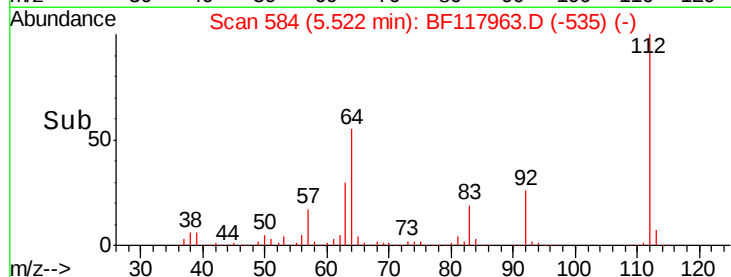
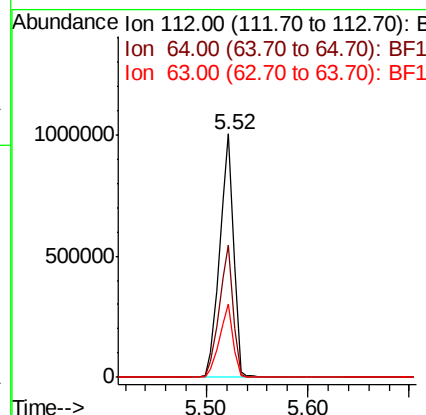
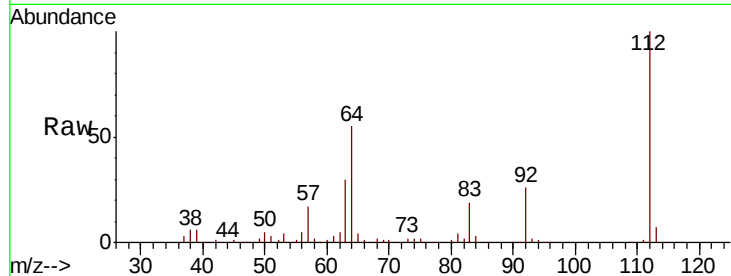
ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion:	112	Resp:	958716
Ion Ratio	Lower	Upper	
112	100		
64	54.5	45.6	68.4
63	30.1	24.1	36.1

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#6

Aniline

Concen: 27.642 ng

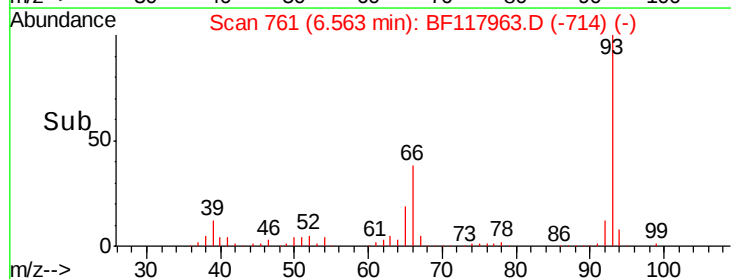
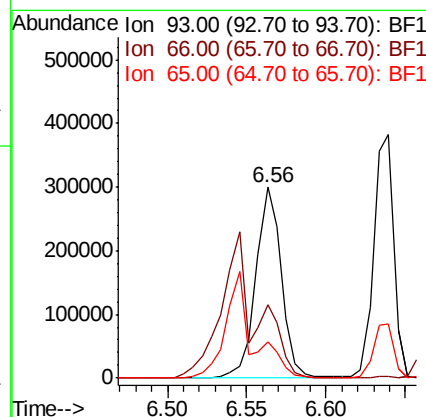
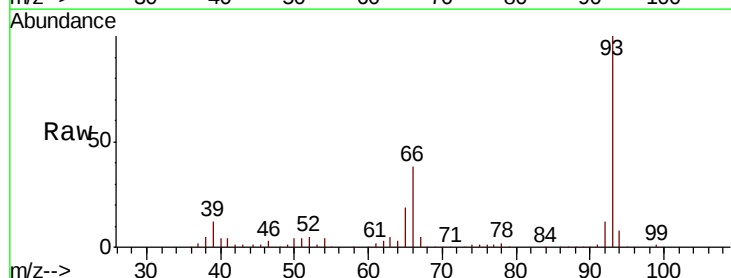
RT: 6.56 min Scan# 761

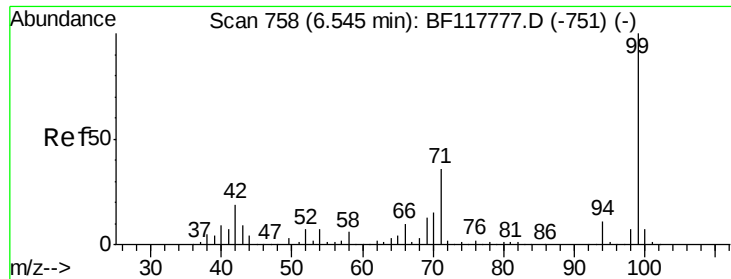
Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Tgt Ion:	93	Resp:	338723
Ion Ratio	Lower	Upper	
93	100		
66	38.1	30.6	45.8
65	18.8	15.6	23.4





#7

Phenol-d6

Concen: 132.370 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion: 99 Resp: 1227456

Ion Ratio Lower Upper

99 100

42 17.5 14.9 22.3

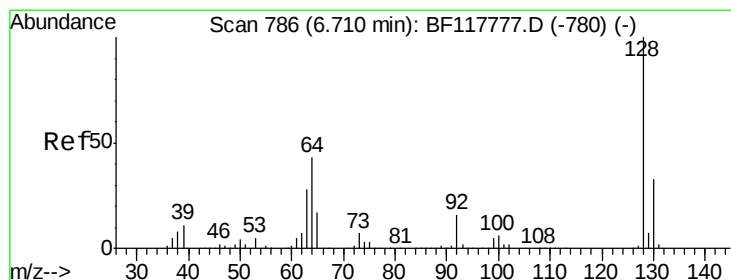
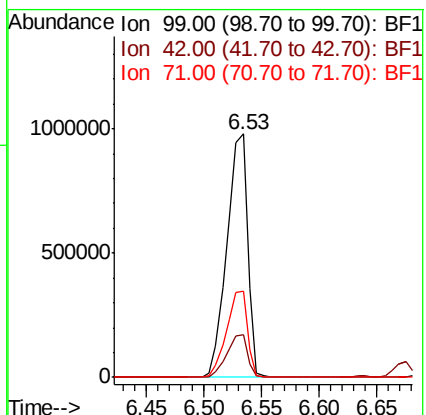
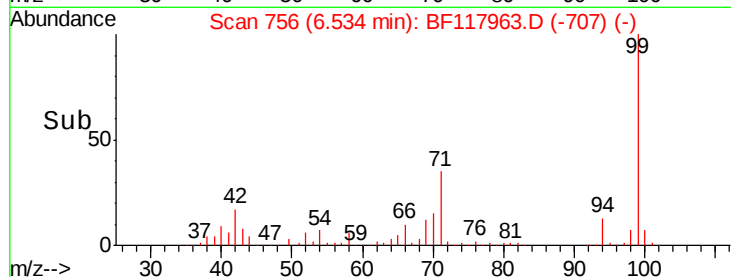
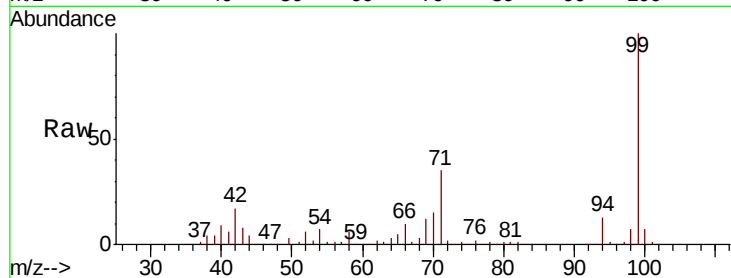
71 35.3 28.6 43.0

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#8

2-Chlorophenol

Concen: 45.864 ng

RT: 6.69 min Scan# 782

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

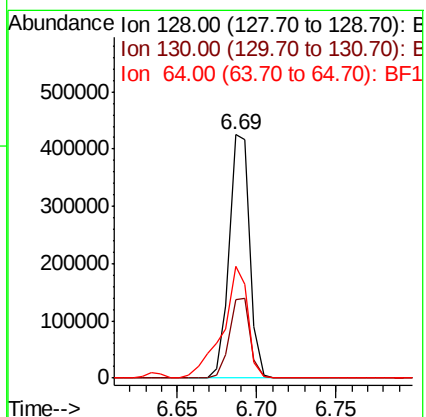
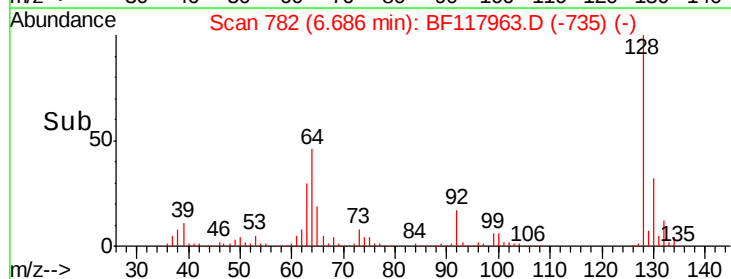
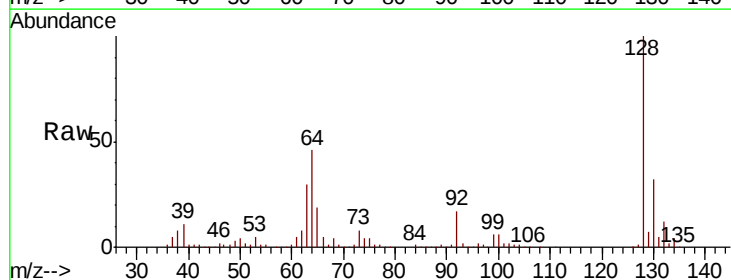
Tgt Ion: 128 Resp: 382601

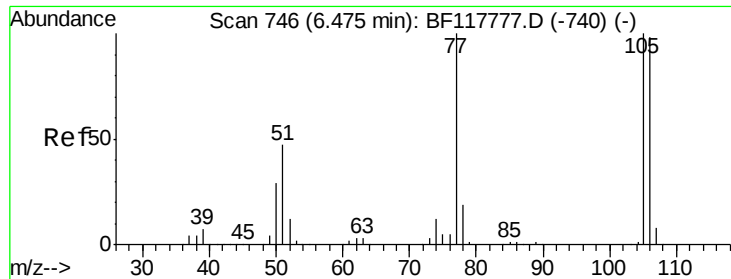
Ion Ratio Lower Upper

128 100

130 32.4 13.2 53.2

64 46.0 23.7 63.7





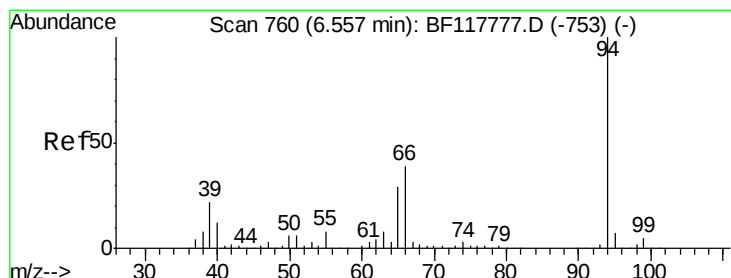
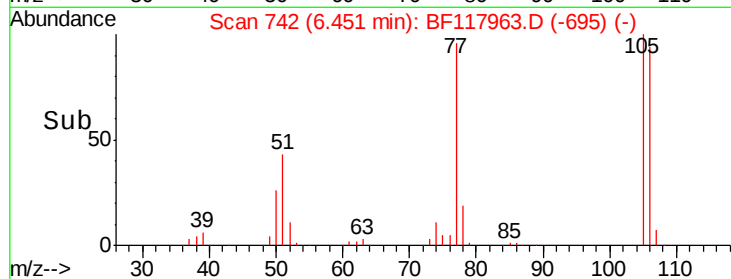
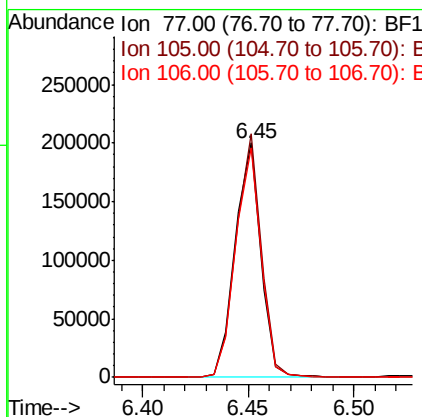
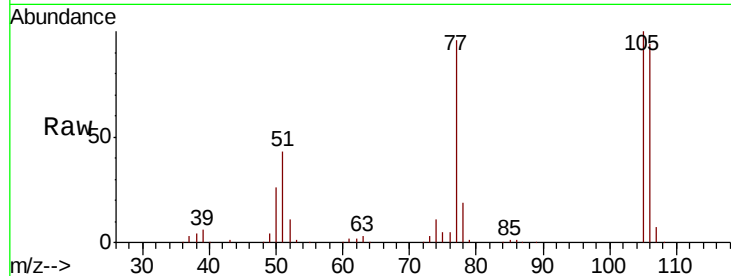
#9
Benzaldehyde
Concen: 24.563 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	104.0	80.2	120.2
106	98.1	78.4	118.4

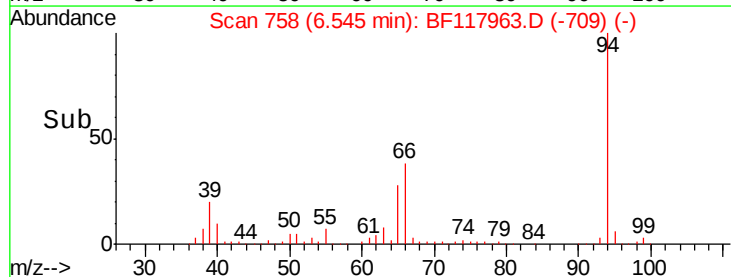
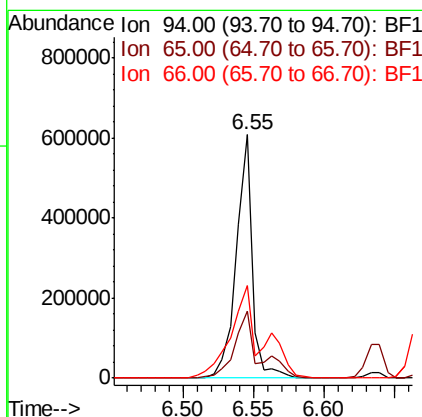
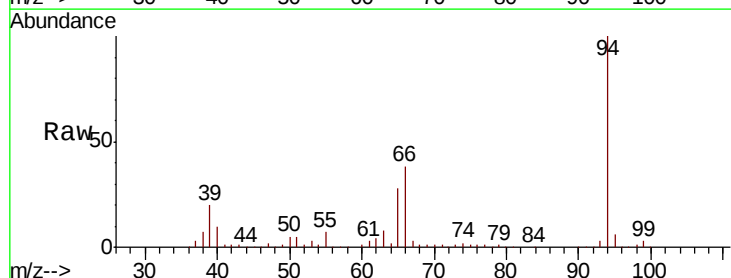
Manual Integrations
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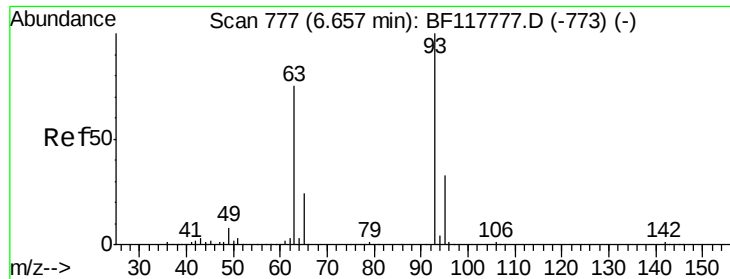
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#10
Phenol
Concen: 50.143 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
94	100		
65	27.5	8.9	48.9
66	37.8	18.7	58.7





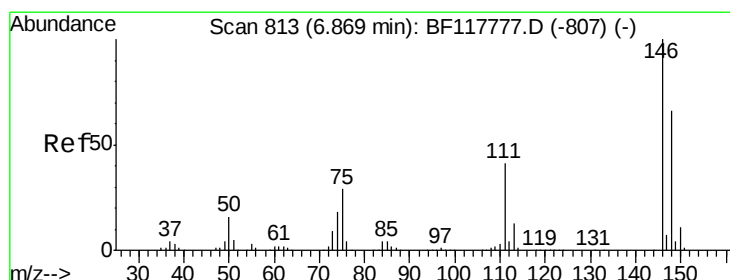
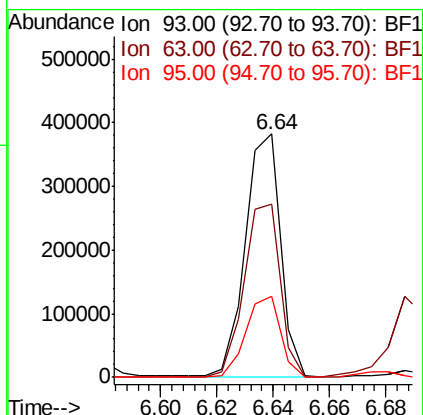
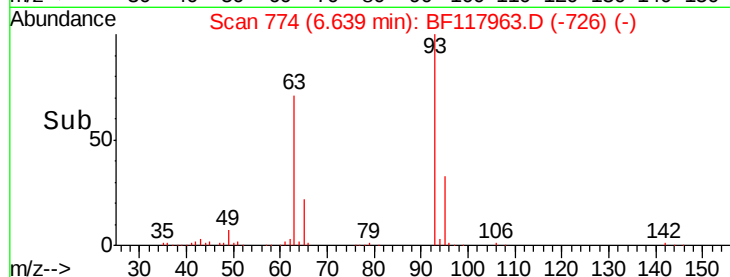
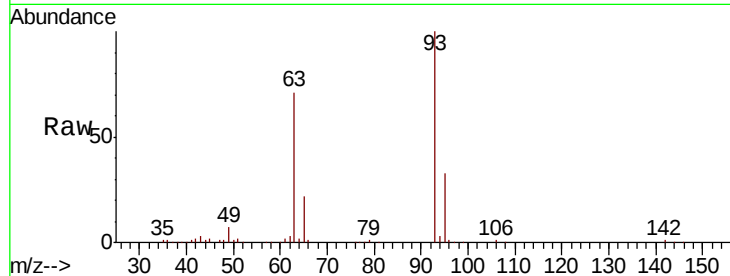
#11
bis(2-Chloroethyl)ether
Concen: 42.695 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.2	54.8	94.8
95	33.3	12.7	52.7

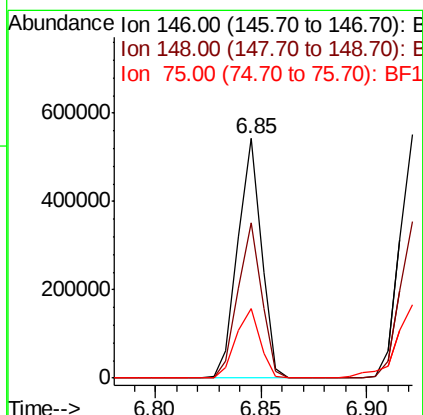
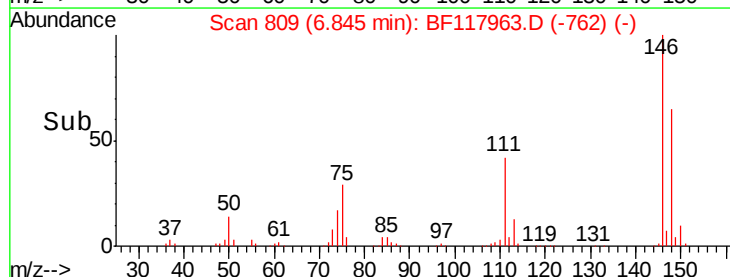
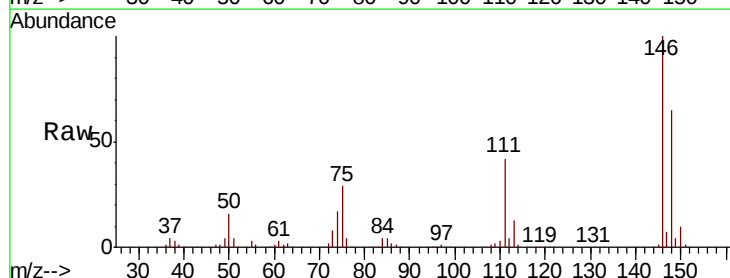
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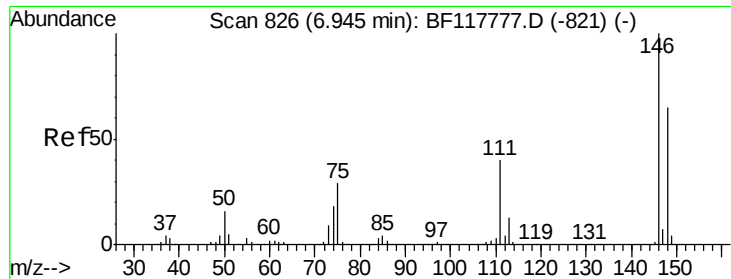
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#12
1,3-Dichlorobenzene
Concen: 42.828 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.8	79.2
75	28.8	23.4	35.0





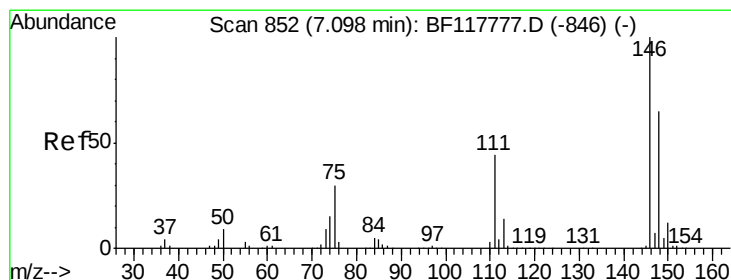
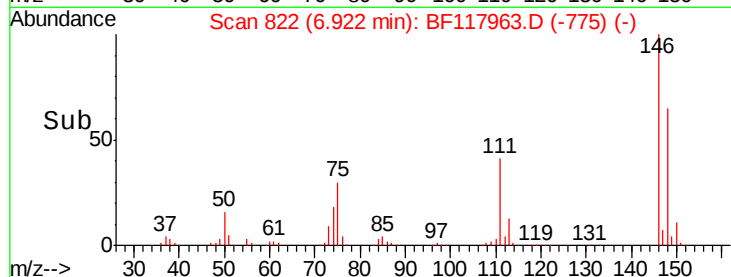
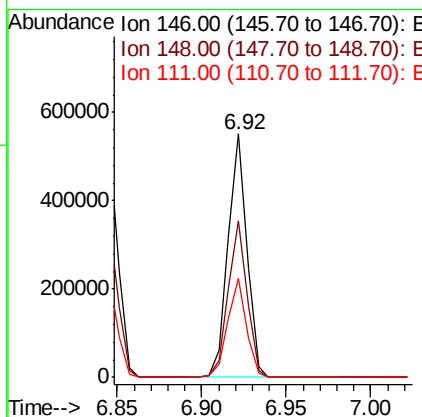
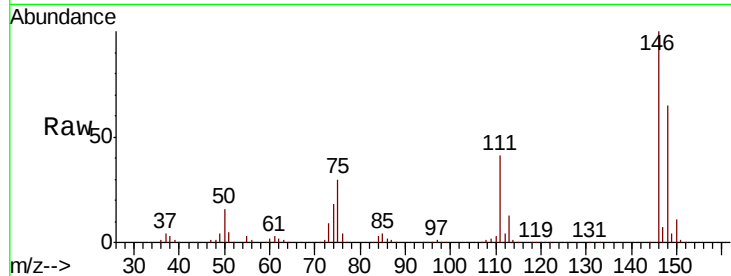
#13
 1,4-Dichlorobenzene
 Concen: 42.734 ng
 RT: 6.92 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.3	78.5
111	40.9	32.2	48.4

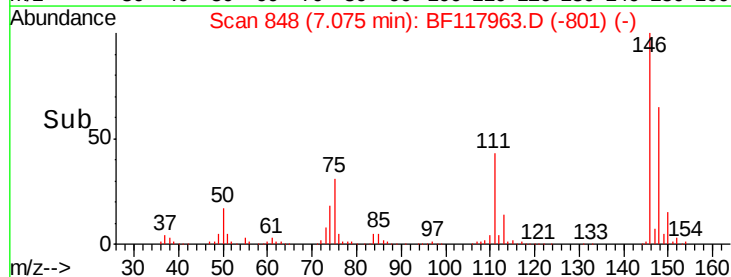
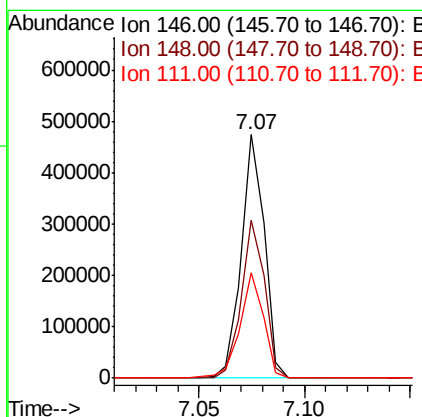
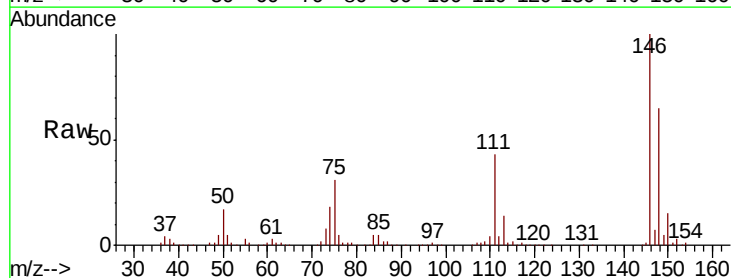
Manual Integrations
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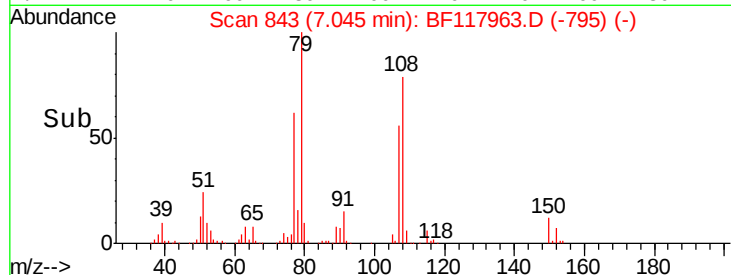
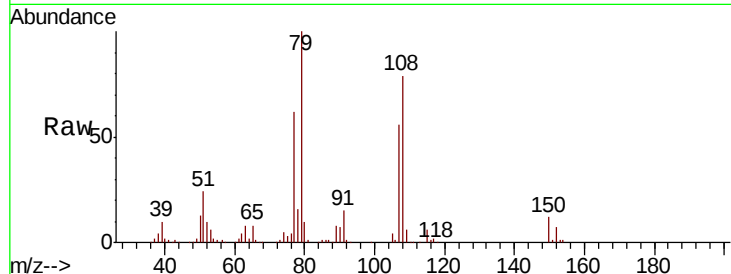
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#14
 1,2-Dichlorobenzene
 Concen: 37.588 ng
 RT: 7.07 min Scan# 848
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.8
111	43.1	35.0	52.6





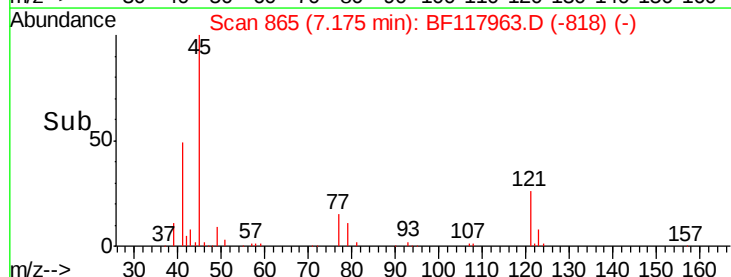
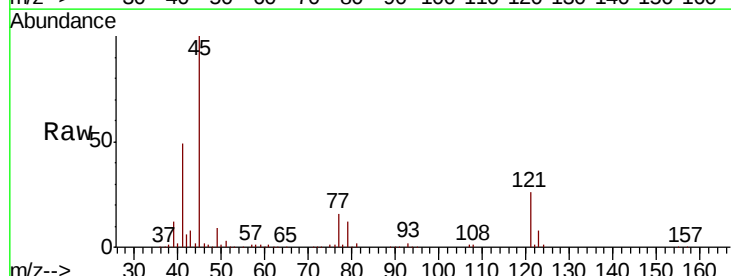
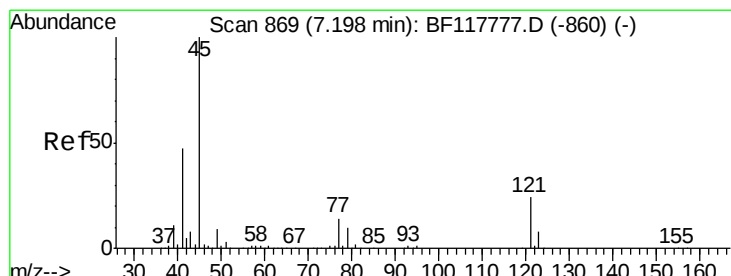
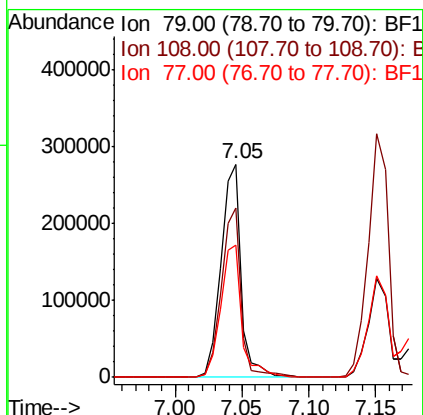
#15
Benzyl Alcohol
Concen: 41.519 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	79.5	64.1	96.1	
77	62.3	51.3	76.9	

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

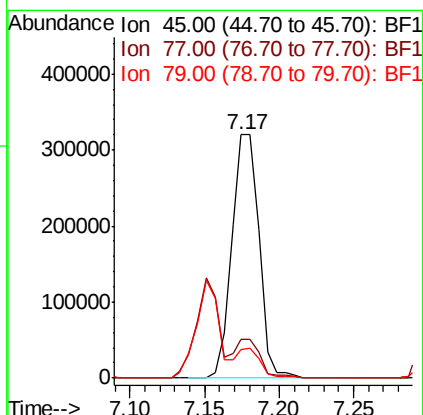
Manual Integrations
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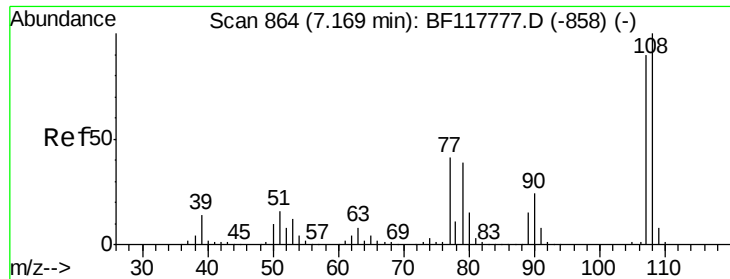
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.366 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	15.8	0.0	35.0	
79	11.8	0.0	31.1	





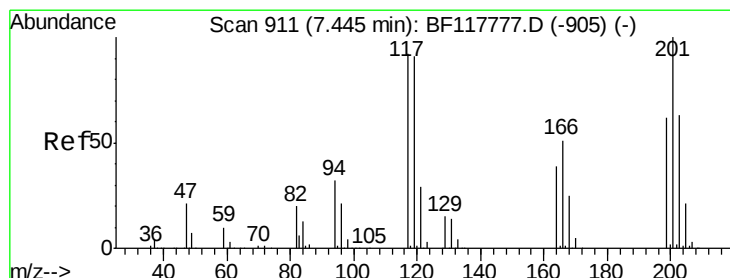
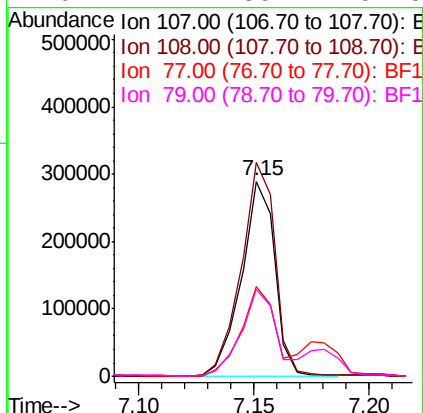
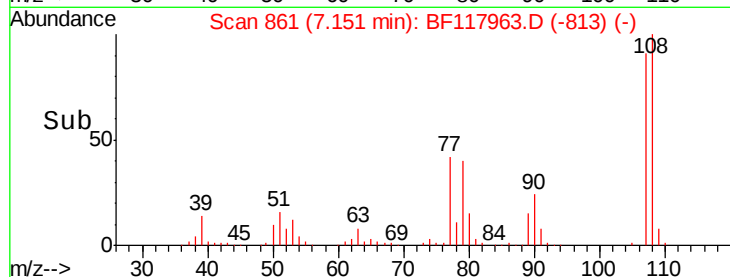
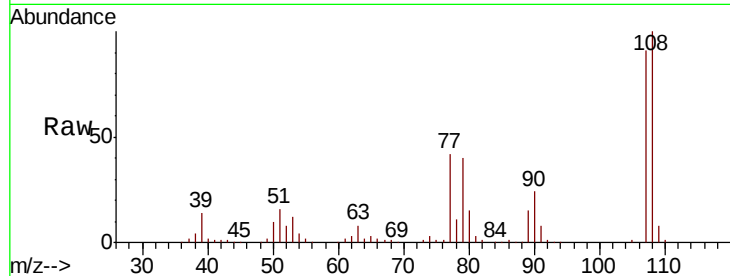
#17
2-Methylphenol
Concen: 41.310 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion:	107	Resp:	291835
Ion Ratio	Lower	Upper	
107	100		
108	109.6	89.1	133.7
77	45.8	36.6	54.8
79	44.4	35.2	52.8

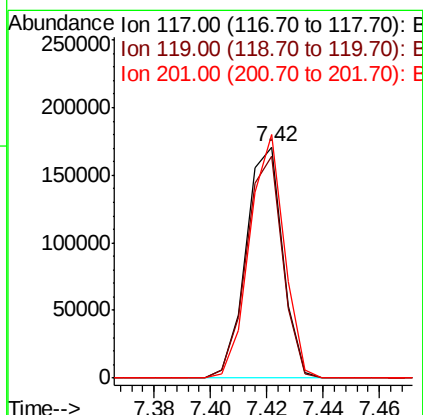
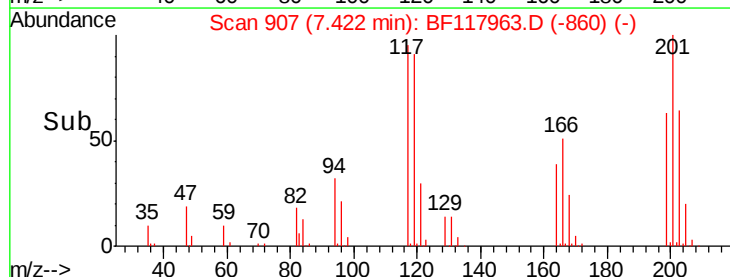
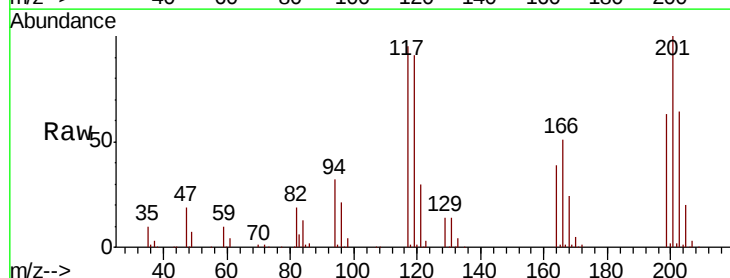
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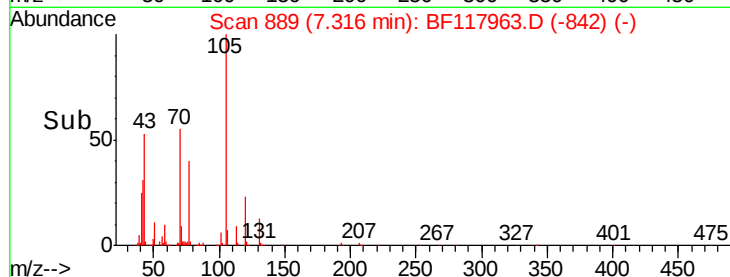
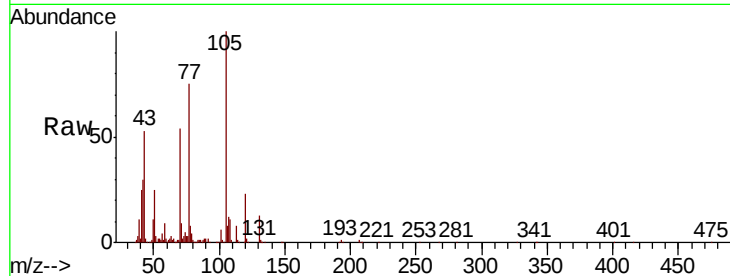
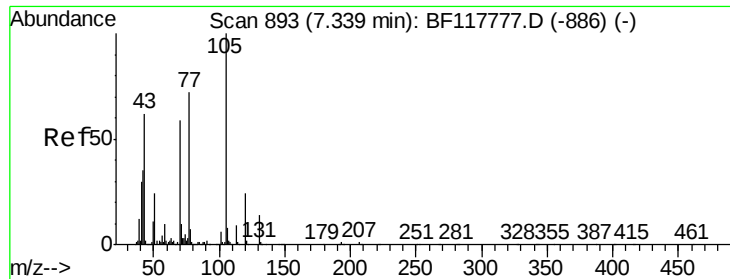
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#18
Hexachloroethane
Concen: 42.179 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion:	117	Resp:	153818
Ion Ratio	Lower	Upper	
117	100		
119	95.9	78.7	118.1
201	105.2	86.5	129.7





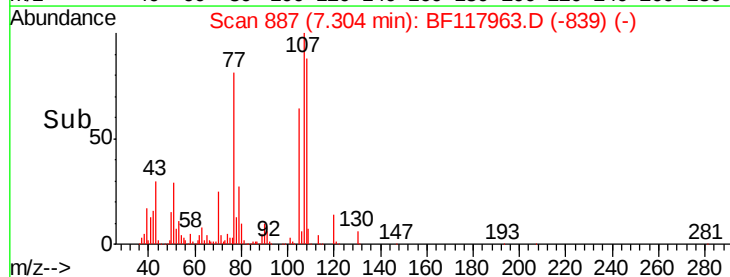
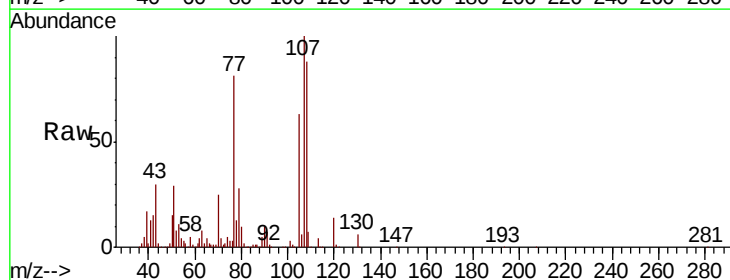
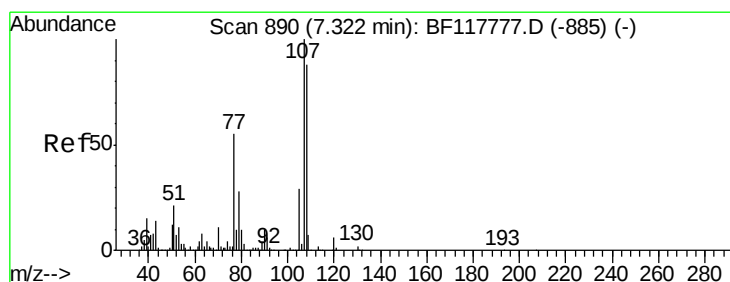
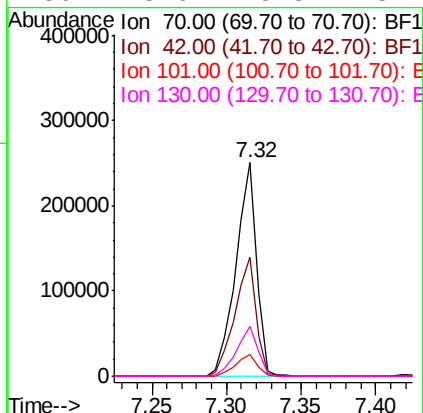
#19
n-Nitroso-di-n-propylamine
Concen: 42.819 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	55.8	47.4	71.2
101	10.3	8.4	12.6
130	23.6	18.8	28.2

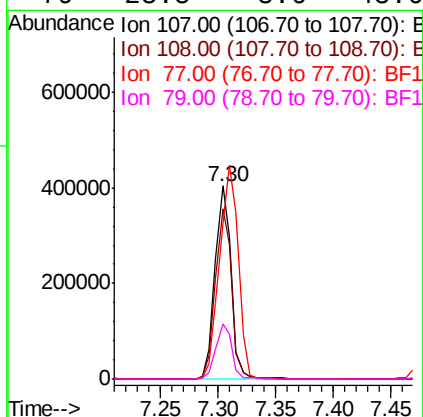
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#20
3+4-Methylphenols
Concen: 44.481 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	68.4	108.4
77	81.0	35.2	75.2#
79	28.5	8.6	48.6





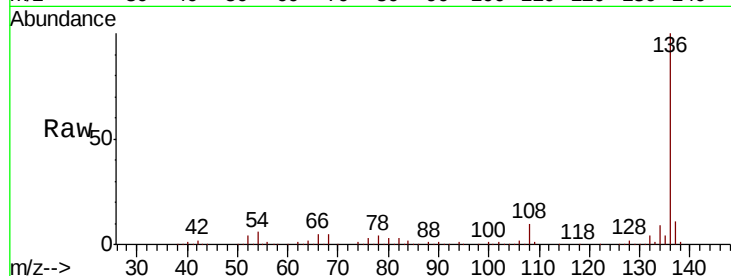
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	440183		
137	10.7		9.0	13.4
54	6.4		5.4	8.2
68	4.6		4.3	6.5

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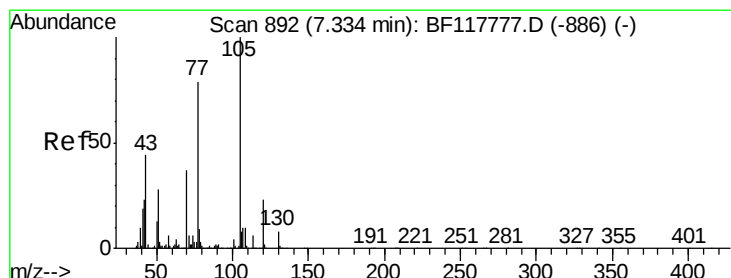
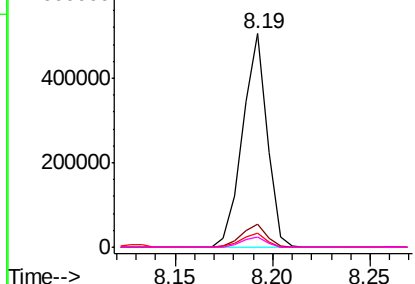
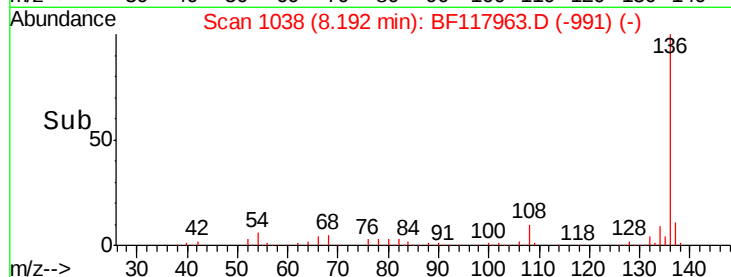
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

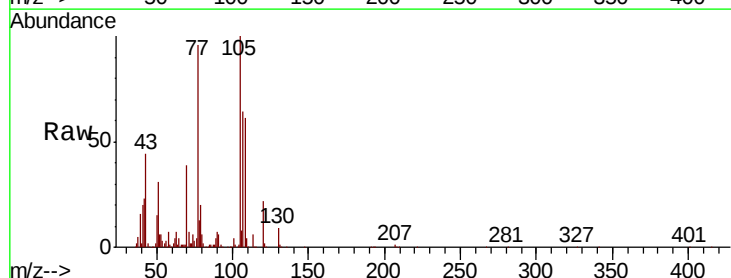
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 51.700 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	511289		
71	6.7		4.9	7.3
51	31.4		22.7	34.1
120	22.1		18.5	27.7



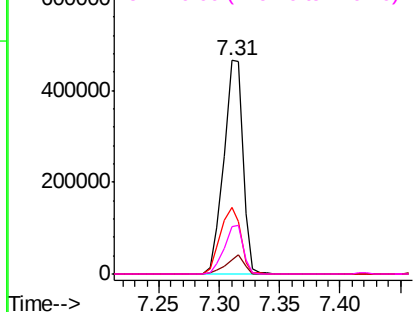
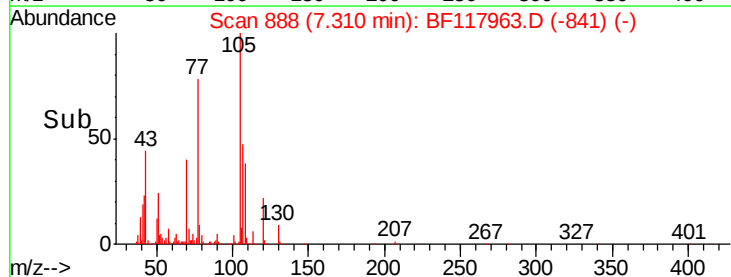
Abundance

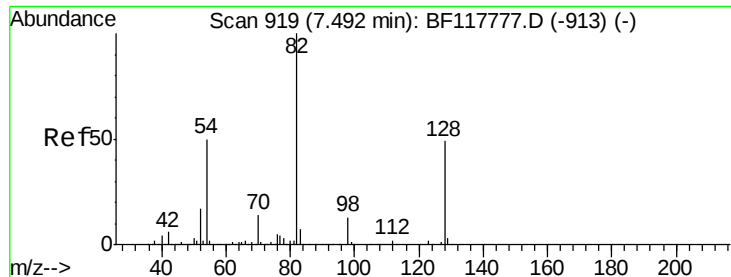
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





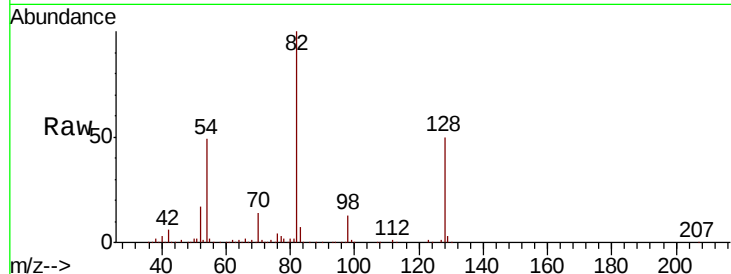
#23
 Nitrobenzene-d5
 Concen: 102.137 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-4FTMSD

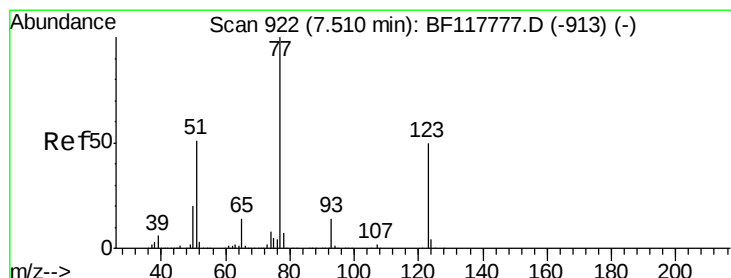
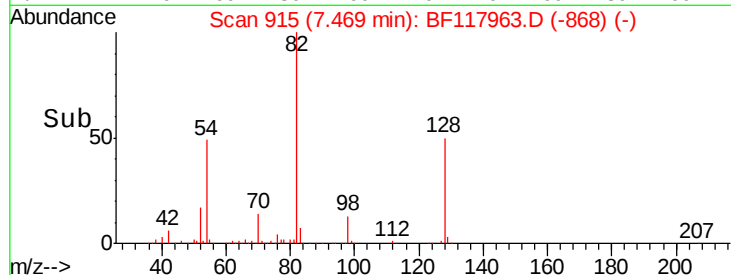
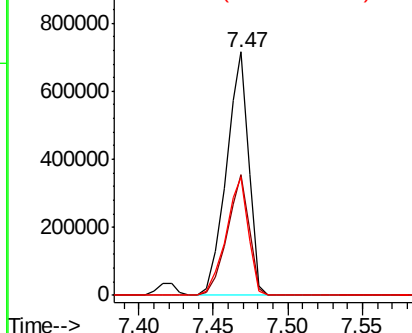
Tot Ion	Ratio	Resp	Lower	Upper
82	100	756304		
128	49.7		38.9	58.3
54	48.8		39.8	59.6

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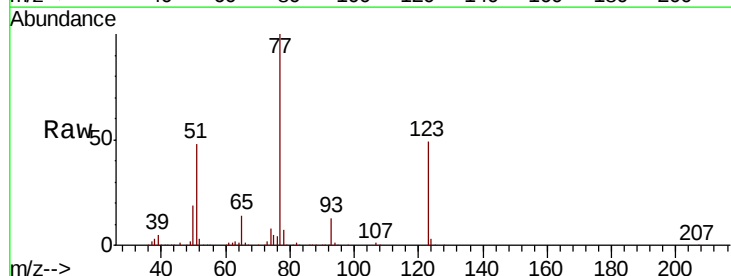


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

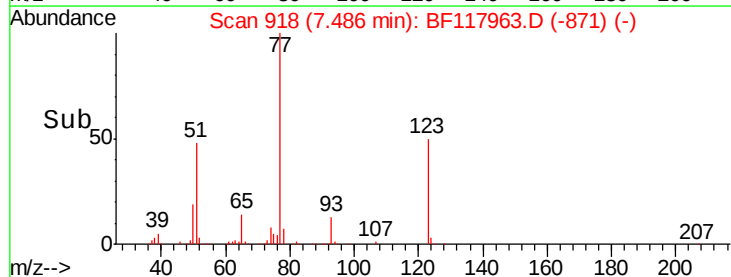
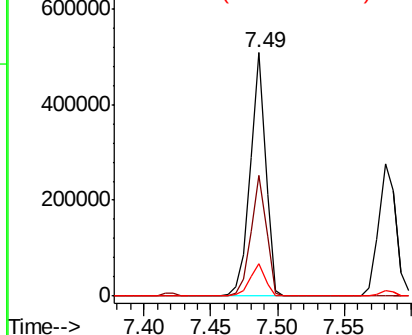


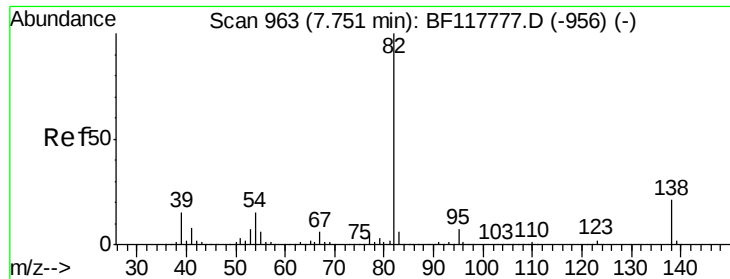
#24
 Nitrobenzene
 Concen: 52.770 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	403106		
123	49.4		40.3	60.5
65	13.6		10.9	16.3



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





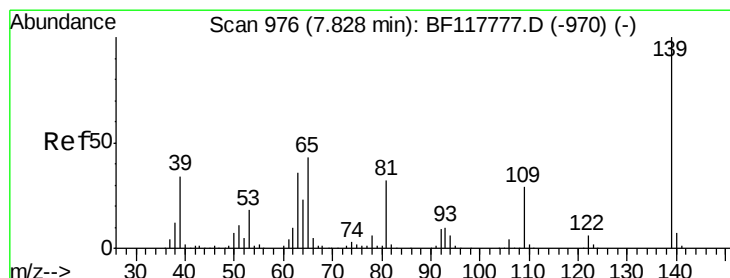
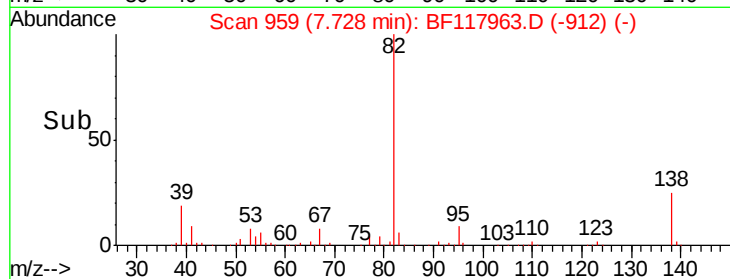
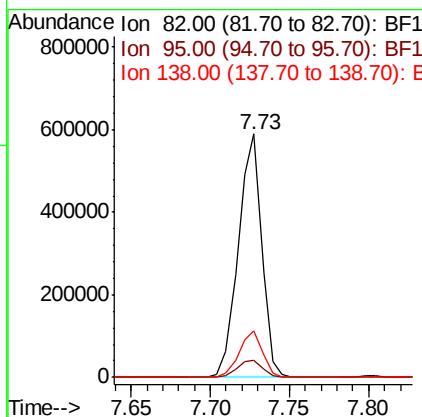
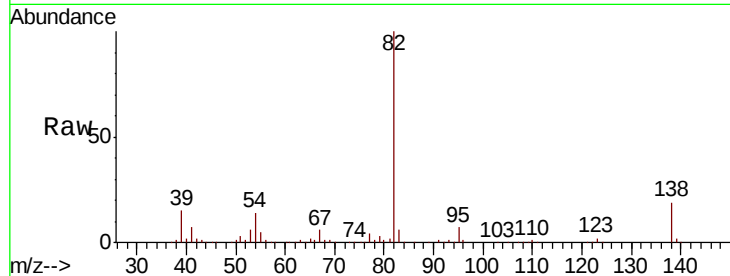
#25
Isophorone
Concen: 44.405 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	602652		
95	7.2		5.8	8.8
138	19.2		16.5	24.7

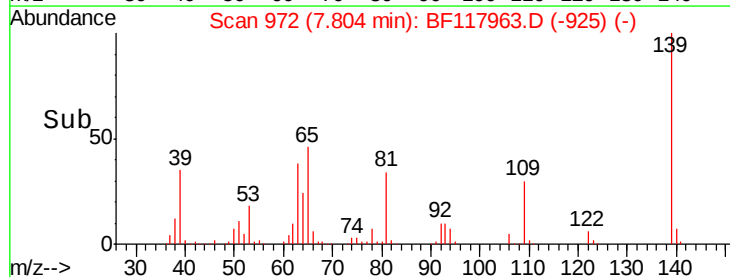
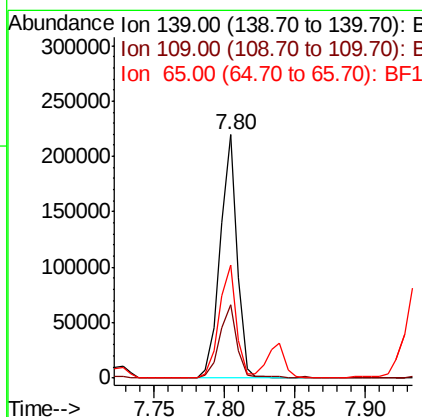
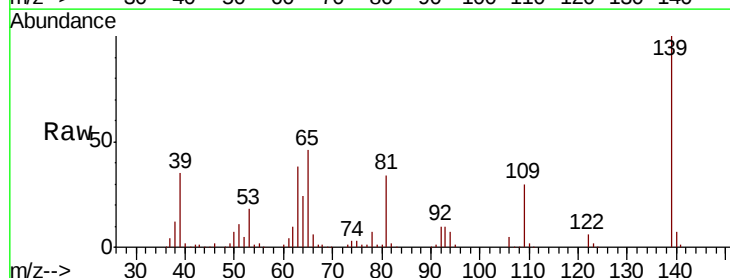
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#26
2-Nitrophenol
Concen: 49.188 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	182887		
109	30.0		23.0	34.4
65	46.3		34.7	52.1





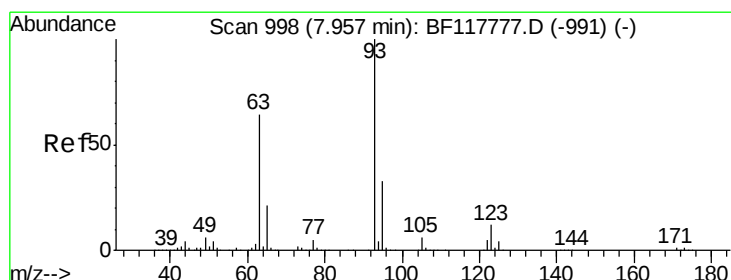
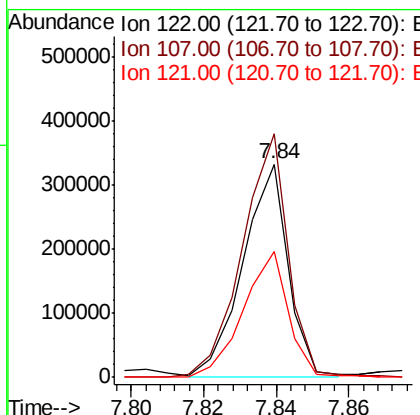
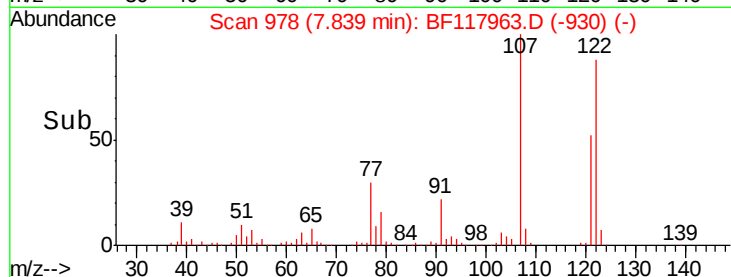
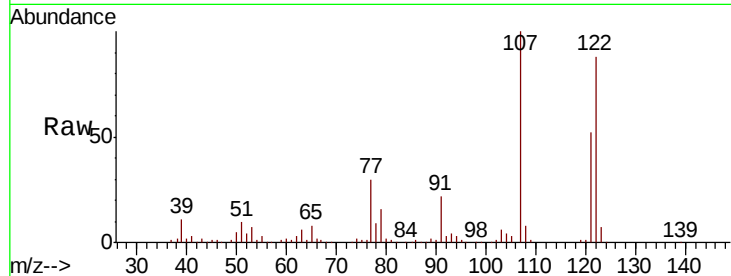
#27
2,4-Dimethylphenol
Concen: 50.371 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	291021		
107	114.1	90.0	135.0	
121	59.2	46.7	70.1	

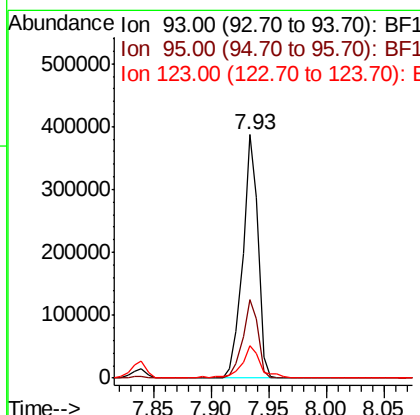
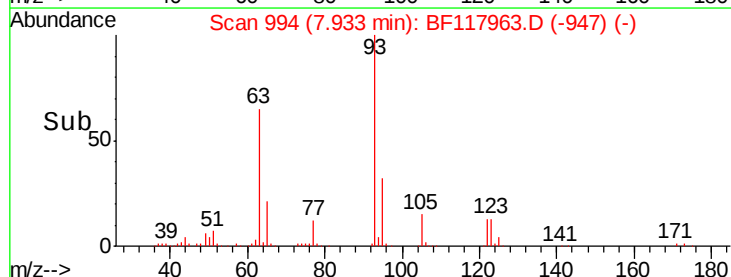
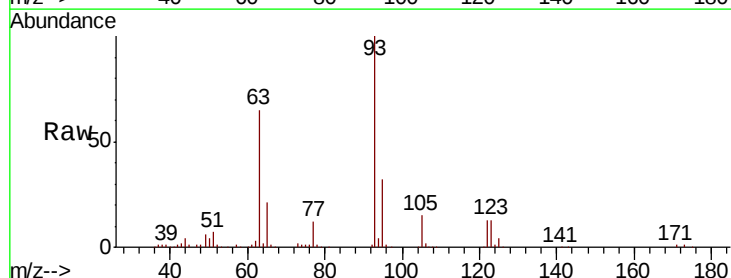
Manual Integrations
APPROVED

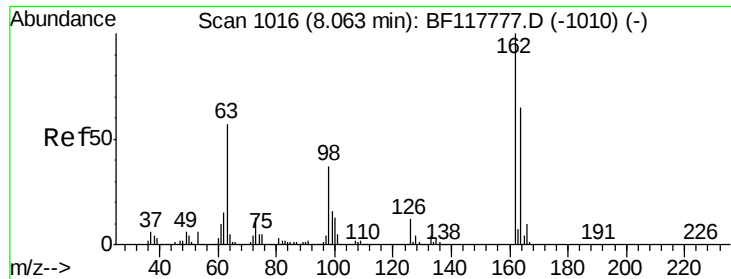
mohammad
11/25/2019 2:32:22 PM



#28
bis(2-Chloroethoxy)methane
Concen: 41.199 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	354821		
95	32.4	26.6	40.0	
123	13.1	10.3	15.5	





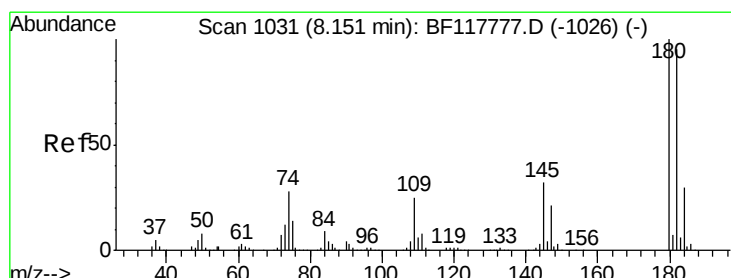
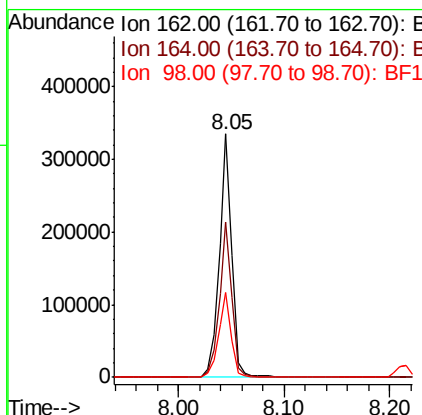
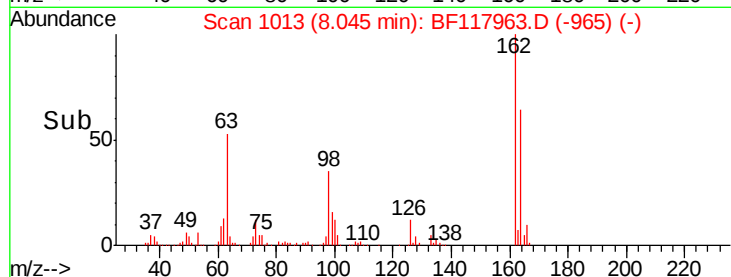
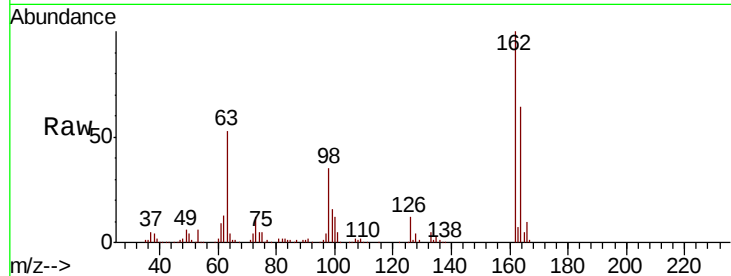
#29
2,4-Dichlorophenol
Concen: 44.903 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	281403		
164	63.9	45.1	85.1	
98	35.0	17.2	57.2	

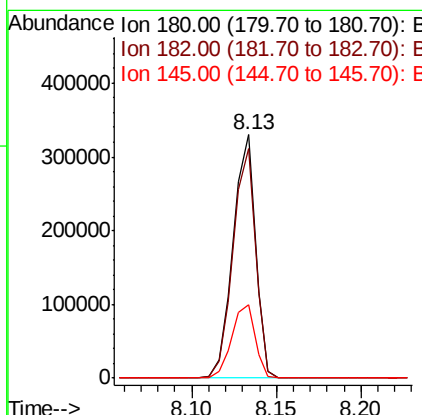
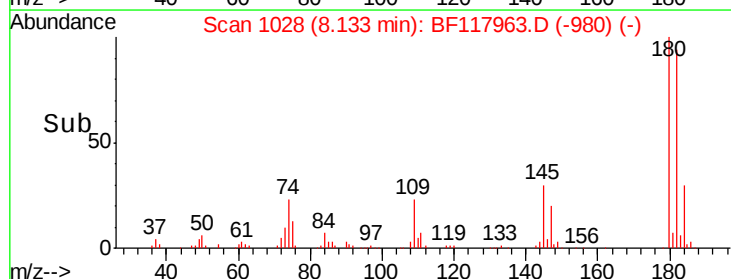
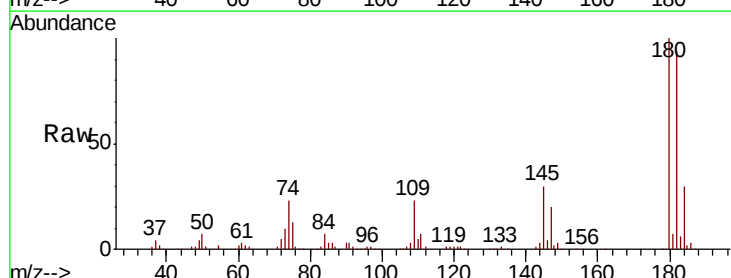
Manual Integrations
APPROVED

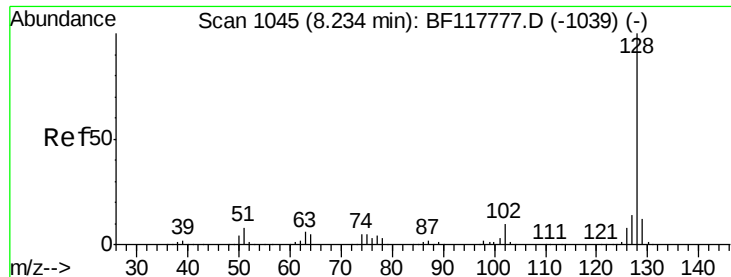
mohammad
11/25/2019 2:32:22 PM



#30
1,2,4-Trichlorobenzene
Concen: 41.838 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	304132		
182	94.3	75.8	113.6	
145	29.9	25.5	38.3	





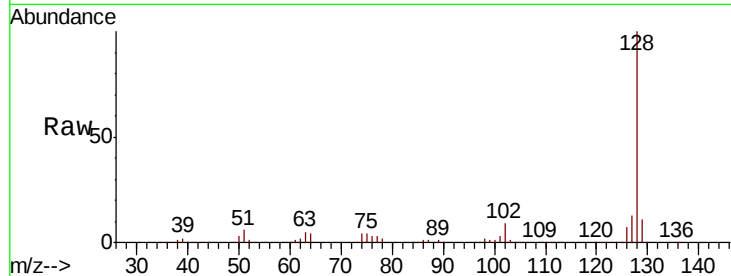
#31
Naphthalene
Concen: 46.441 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.5	14.3
127	13.4	11.3	16.9

Manual Integrations
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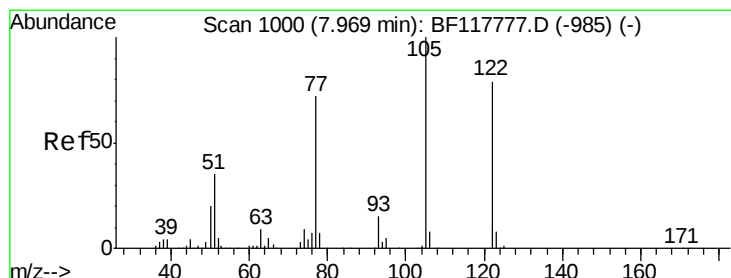
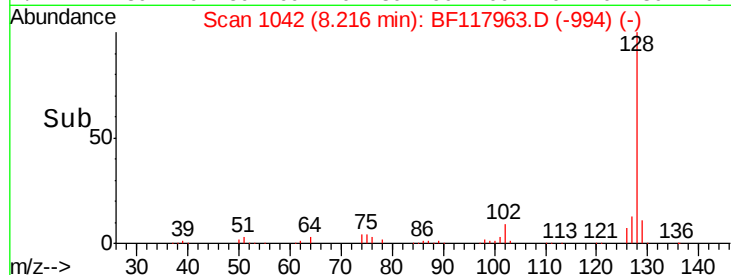
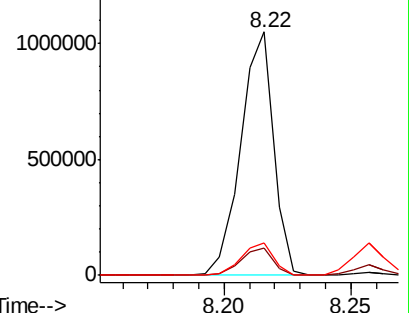


Abundance

Ion 128.00 (127.70 to 128.70): E

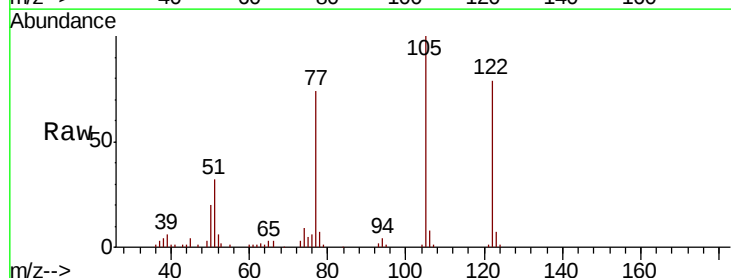
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 44.745 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.3	102.7	142.7
77	93.4	70.5	110.5

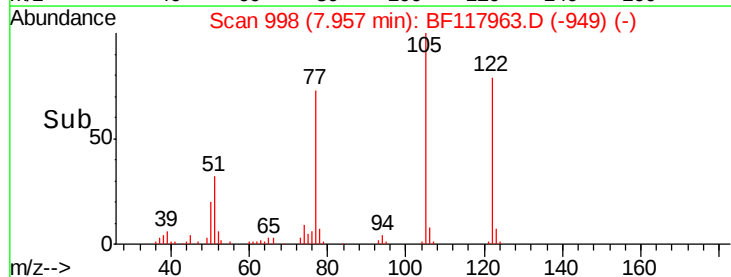
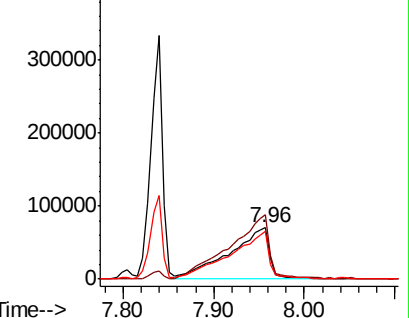


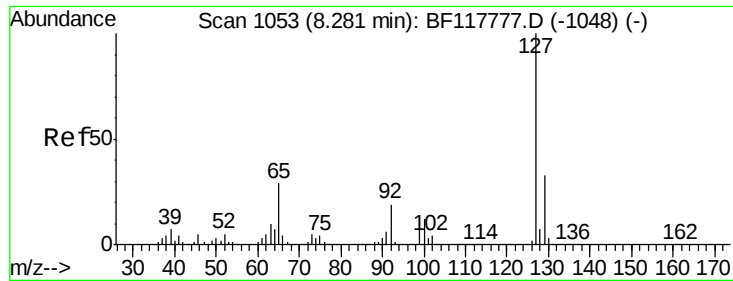
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





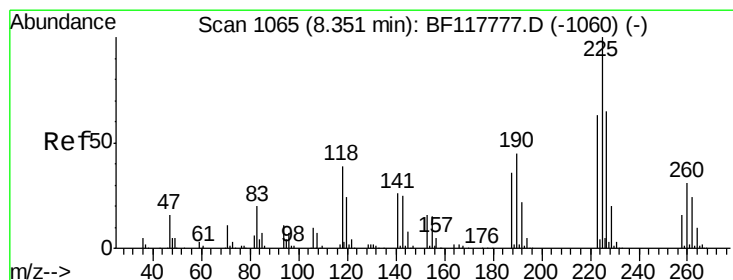
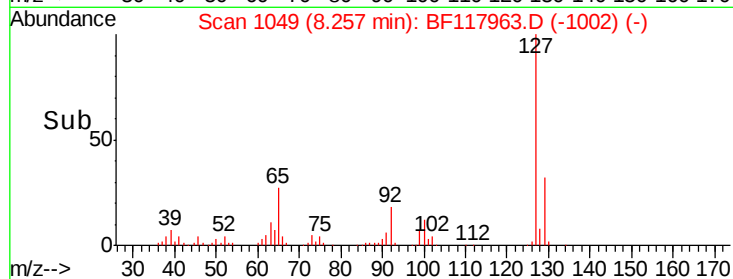
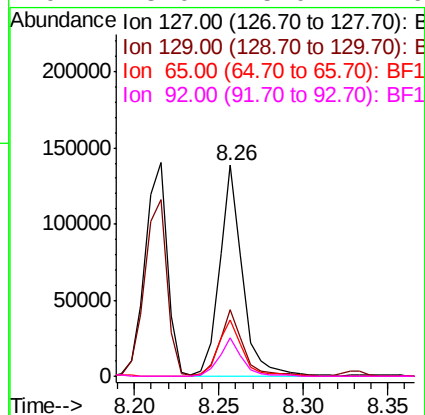
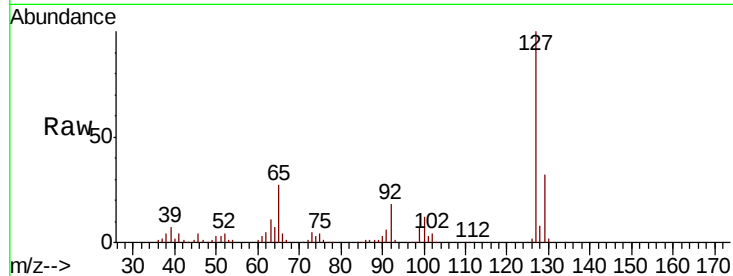
#33
4-Chloroaniline
Concen: 14.186 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.5	26.5	39.7		
65	27.0	22.9	34.3		
92	18.0	15.0	22.6		

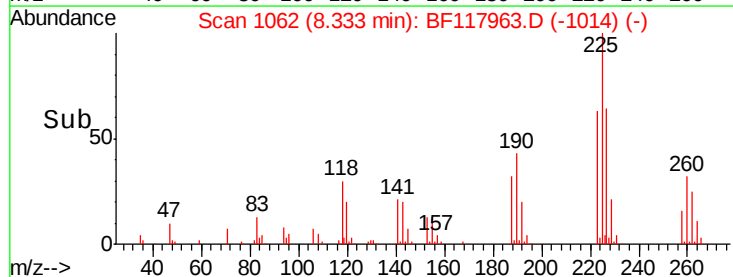
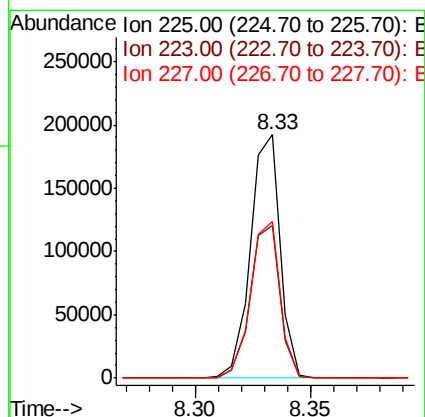
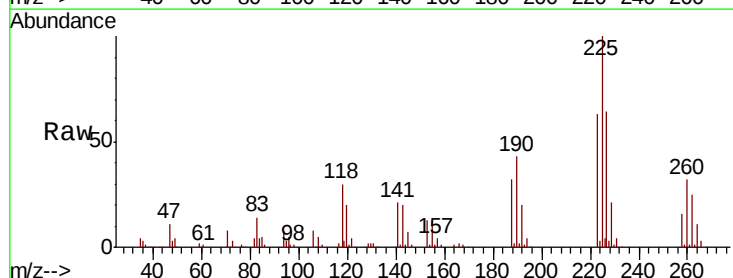
Manual Integrations
APPROVED

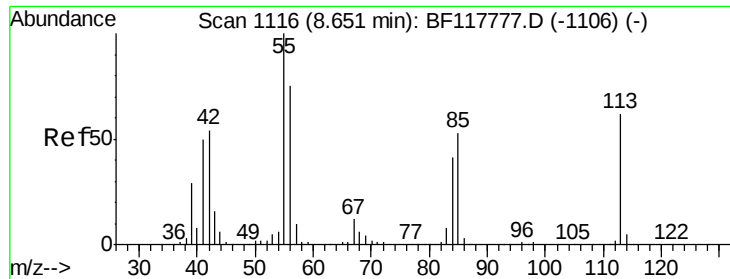
mohammad
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#34
Hexachlorobutadiene
Concen: 40.725 ng
RT: 8.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.8	50.0	75.0		
227	64.3	51.8	77.6		





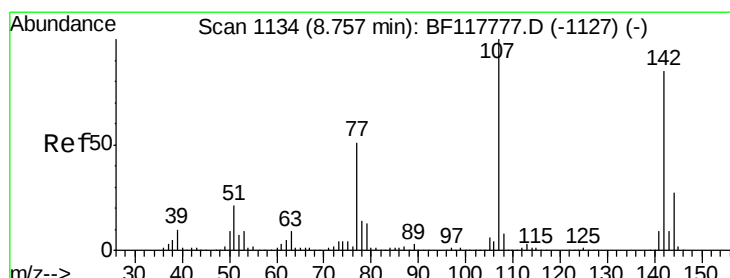
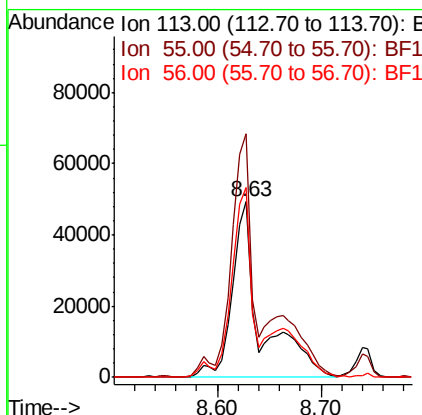
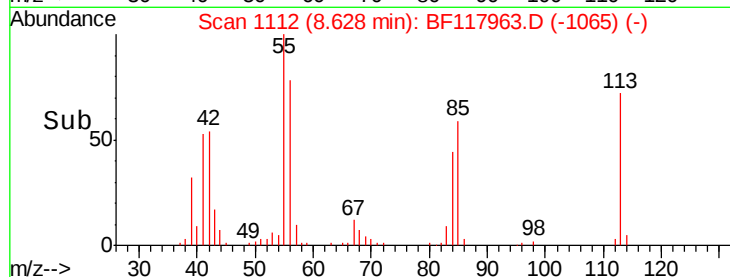
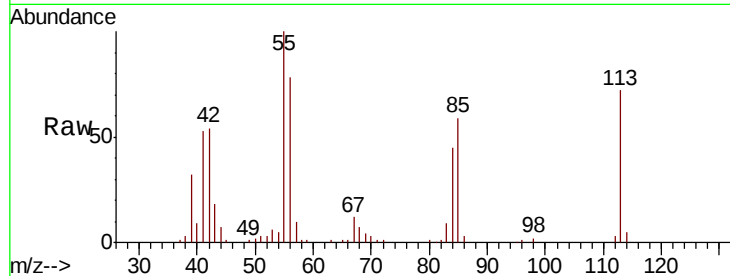
#35
Caprolactam
Concen: 46.949 ng/ml
RT: 8.63 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	138.7	141.1	181.1	#
56	108.3	100.5	140.5	

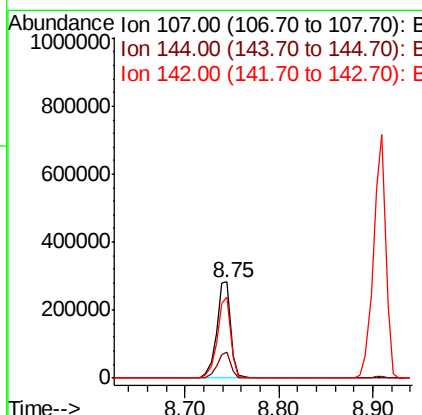
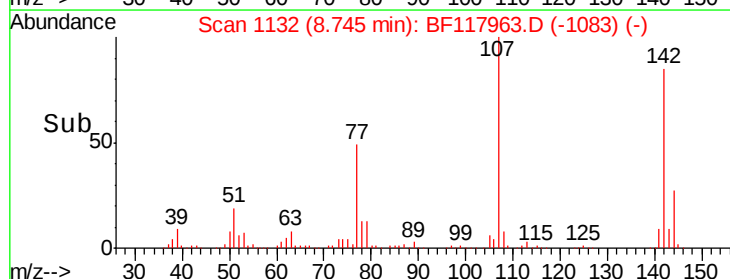
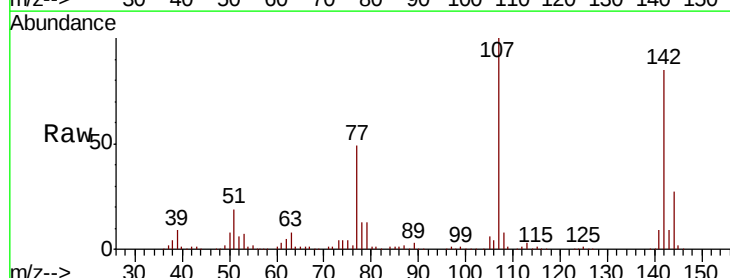
Manual Integrations
APPROVED

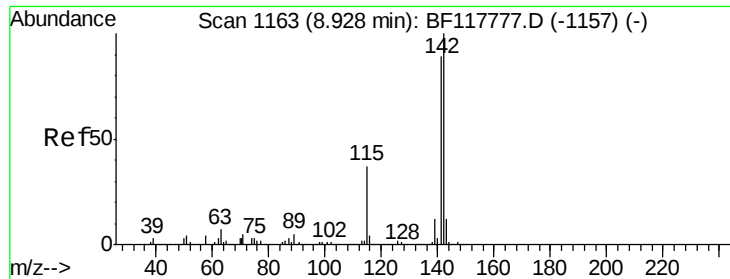
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 46.688 ng/ml
RT: 8.75 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	27.1	21.9	32.9	
142	85.0	67.7	101.5	





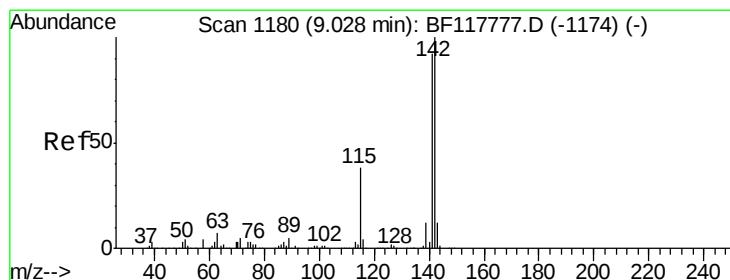
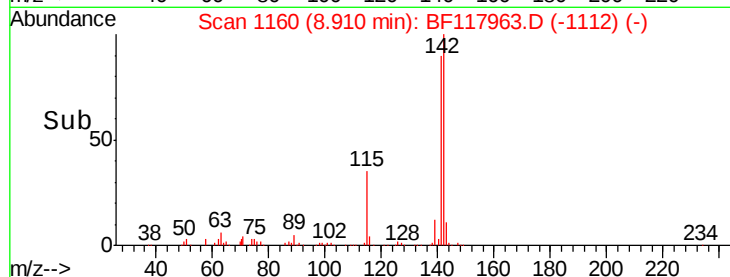
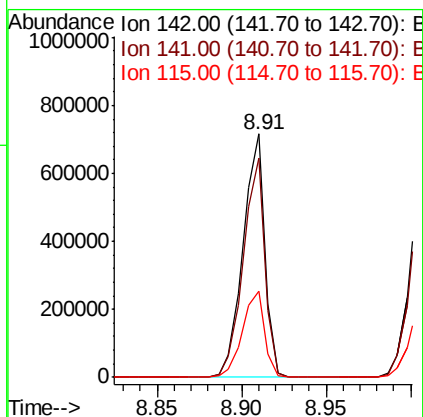
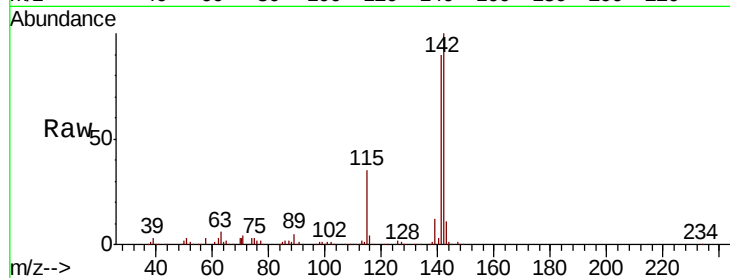
#37
2-Methylnaphthalene
Concen: 46.660 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	71.1	106.7
115	35.4	29.2	43.8

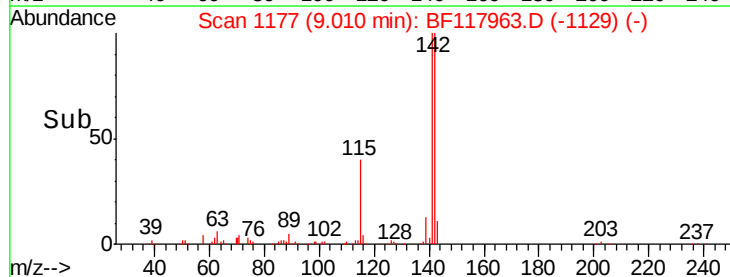
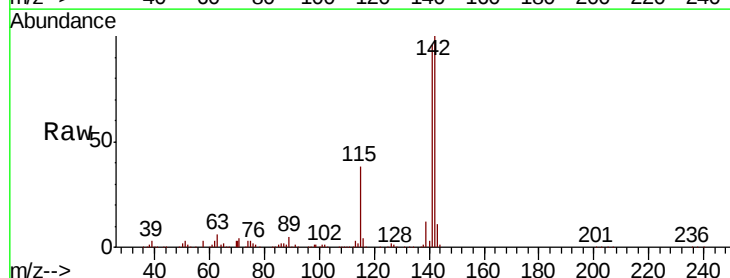
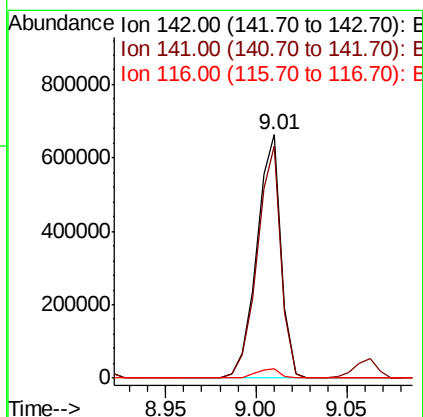
Manual Integrations
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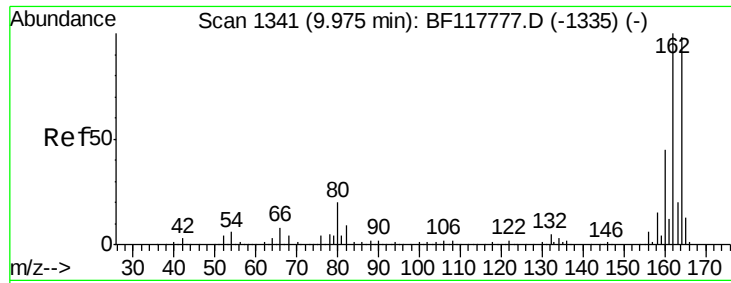
mohammad
11/25/2019 2:32:22 PM



#38
1-Methylnaphthalene
Concen: 46.708 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.5	73.5	110.3
116	3.9	3.2	4.8





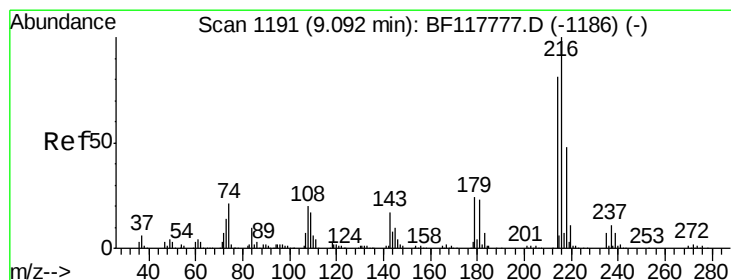
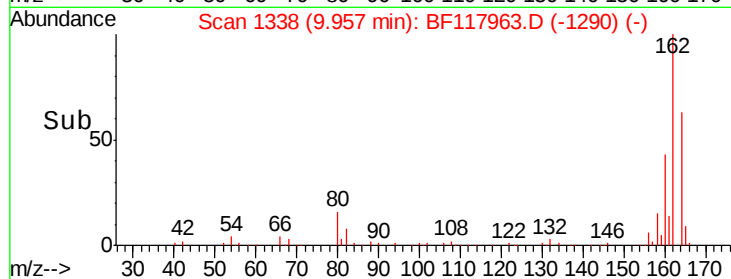
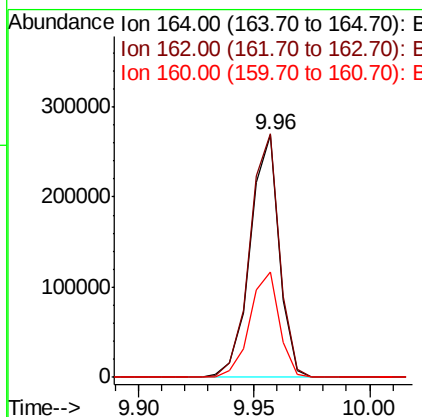
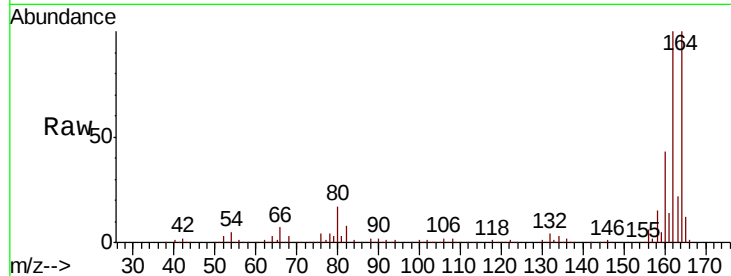
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.3	81.3	121.9	
160	43.4	36.6	55.0	

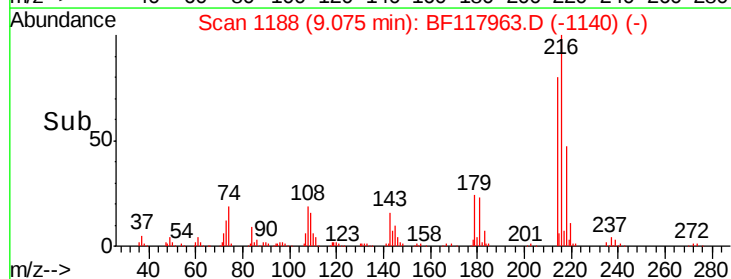
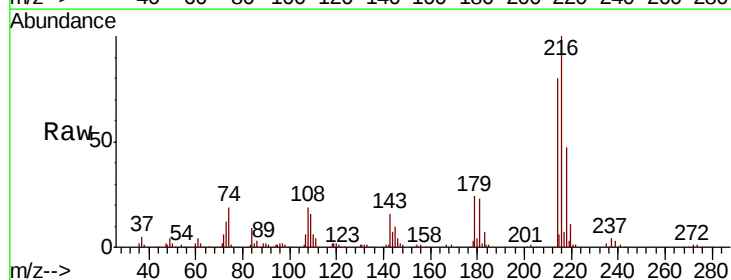
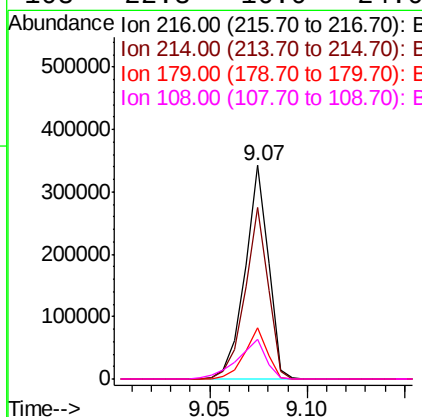
Manual Integrations
APPROVED

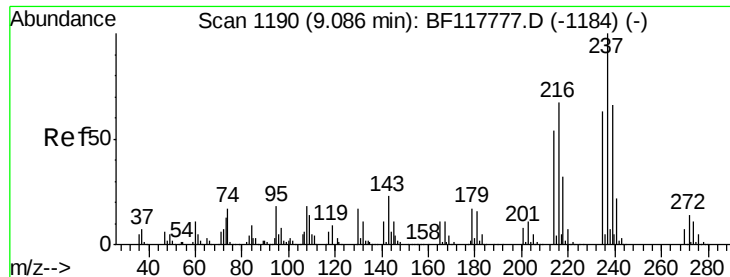
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.526 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	63.4	95.0	
179	23.0	18.2	27.4	
108	22.3	16.0	24.0	





#41

Hexachlorocyclopentadiene

Concen: 92.105 ng

RT: 9.06 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

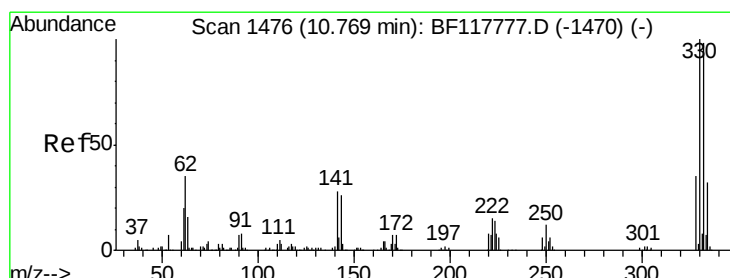
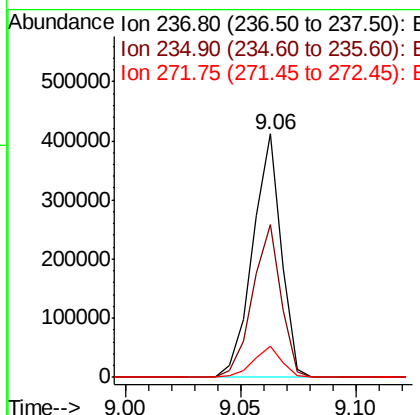
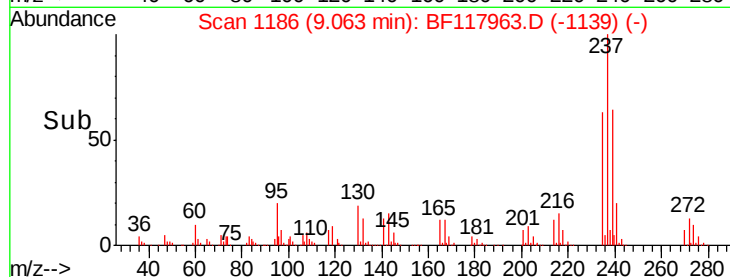
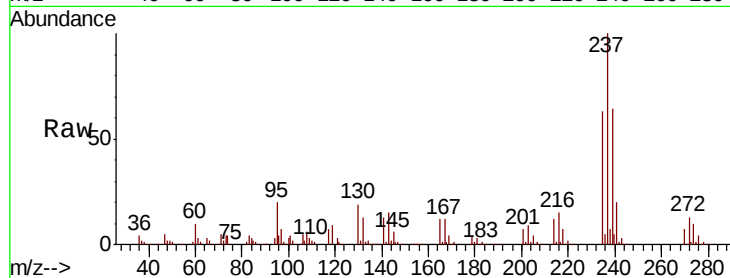
ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion:	237	Resp:	354084
Ion Ratio	Lower	Upper	
237	100		
235	62.8	42.6	82.6
272	12.8	0.0	34.3

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 143.920 ng

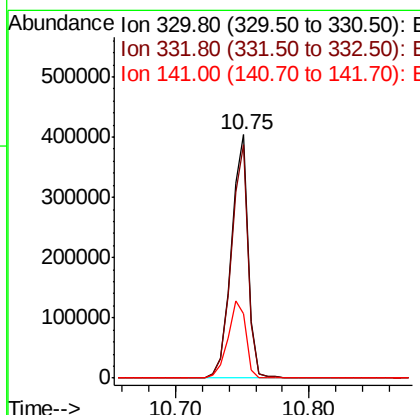
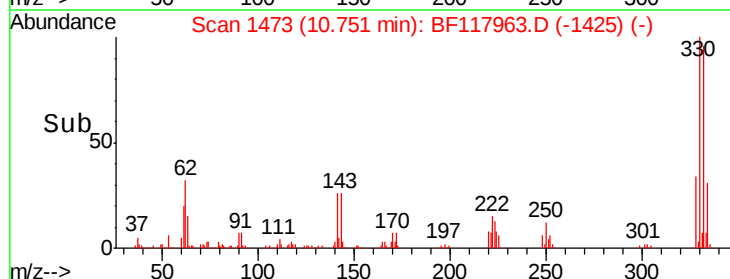
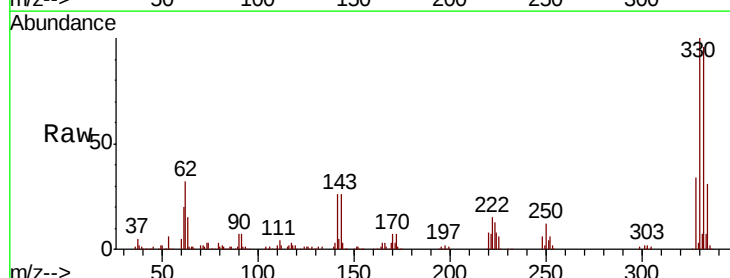
RT: 10.75 min Scan# 1473

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Tgt Ion:	330	Resp:	359918
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.7	115.1
141	33.9	27.7	41.5





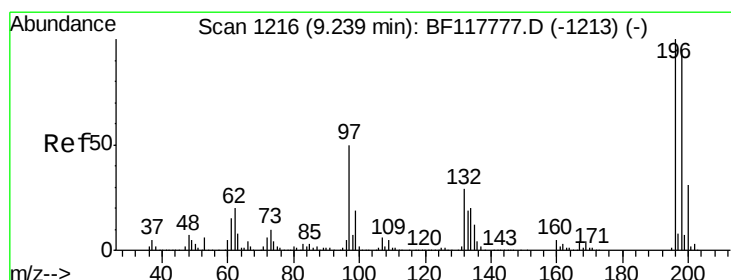
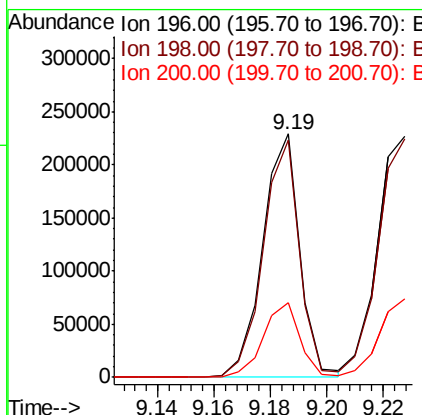
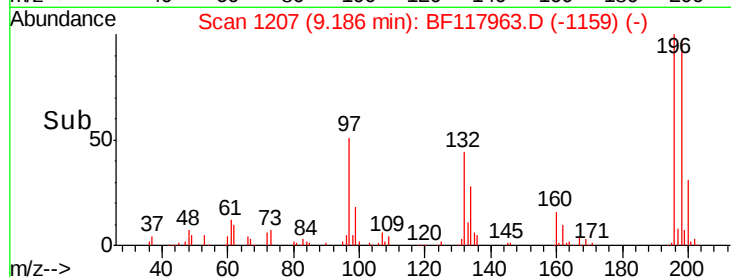
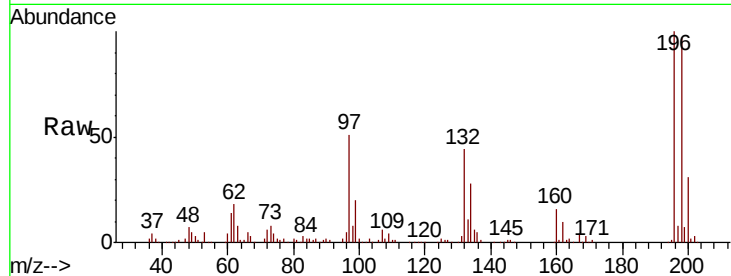
#43
2,4,6-Trichlorophenol
Concen: 42.590 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	209267		
198	97.4	77.8	116.6	
200	30.9	25.4	38.0	

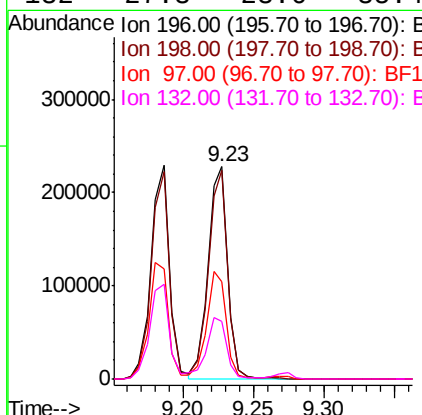
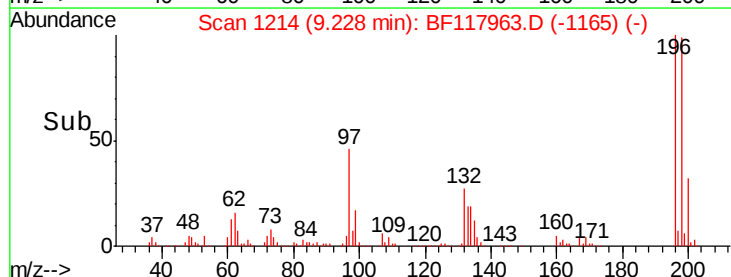
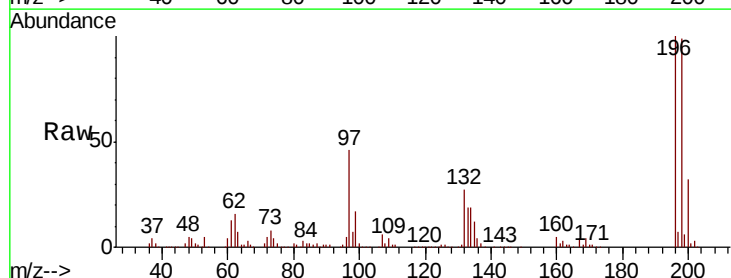
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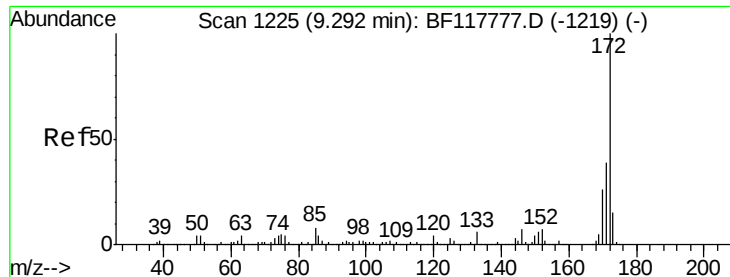
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11/25/2019 2:32:22 PM



#44
2,4,5-Trichlorophenol
Concen: 42.944 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	219086		
198	98.6	76.3	114.5	
97	46.0	40.0	60.0	
132	27.3	23.6	35.4	





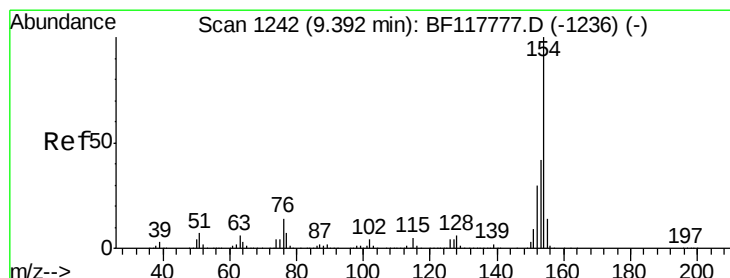
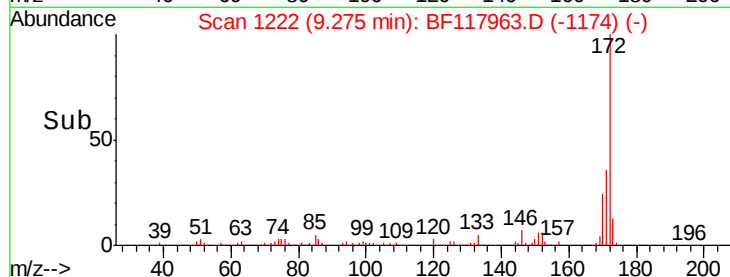
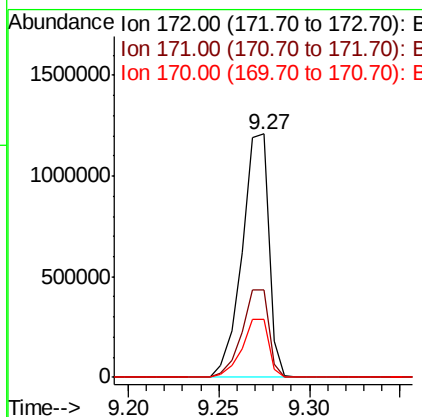
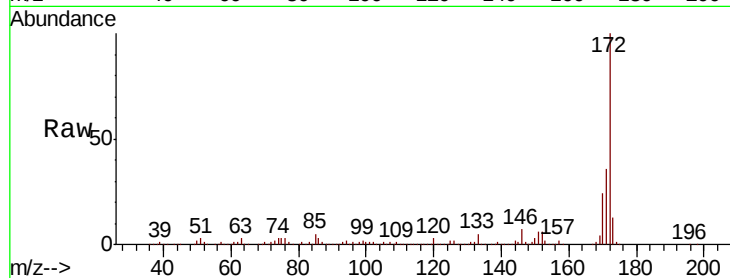
#45
2-Fluorobiphenyl
Concen: 93.965 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.9	46.3
170	23.9	21.0	31.4

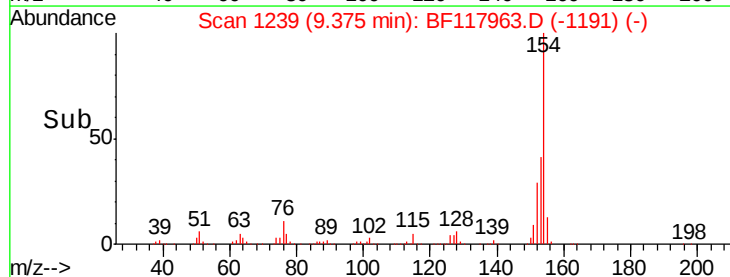
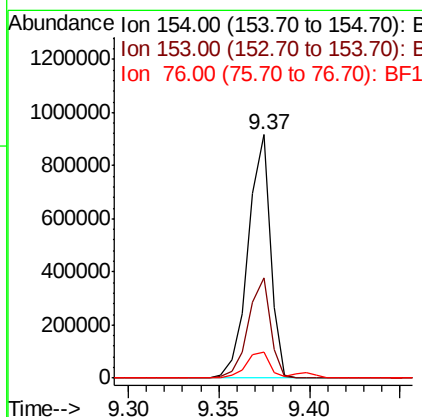
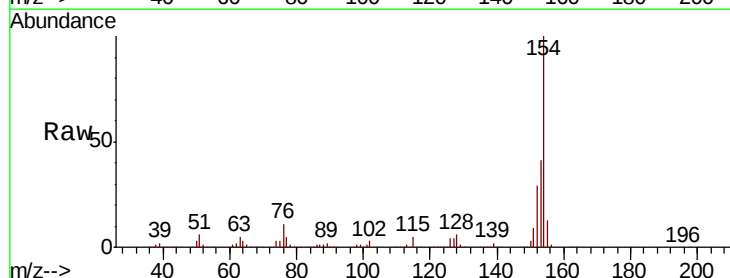
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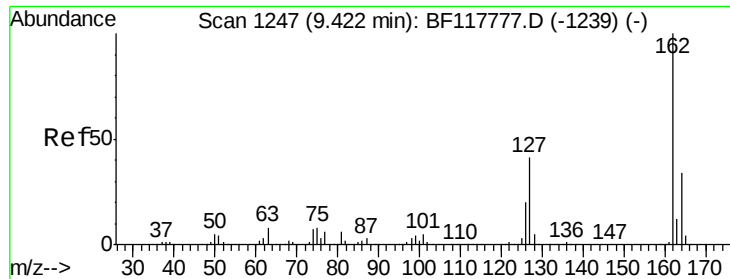
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11/25/2019 2:32:22 PM



#46
1,1'-Biphenyl
Concen: 44.702 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.9	61.9
76	10.9	0.0	33.6





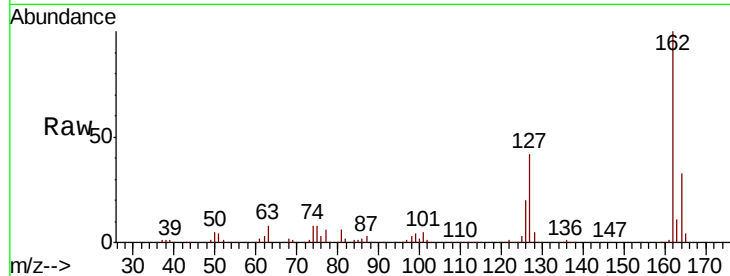
#47
 2-Chloronaphthalene
 Concen: 42.369 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-4FTMSD

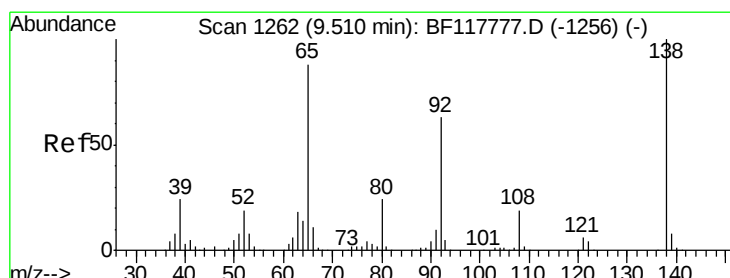
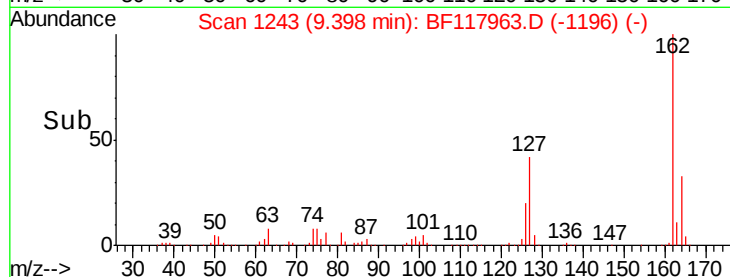
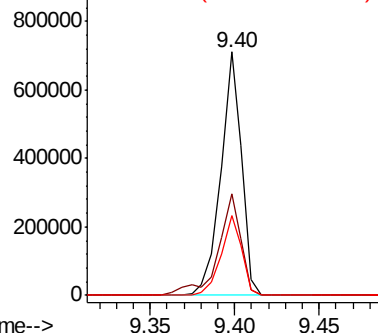
Tot Ion	Ratio	Resp	Lower	Upper
162	100	610845		
127	41.5	33.2	49.8	
164	33.0	27.3	40.9	

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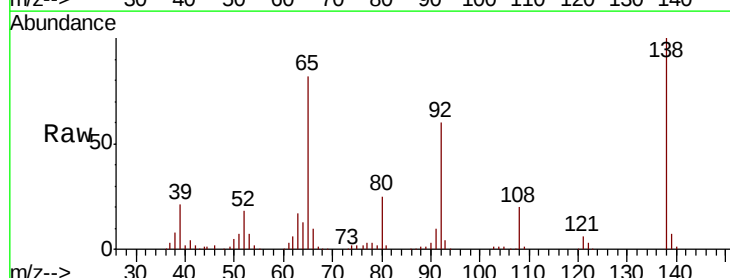


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

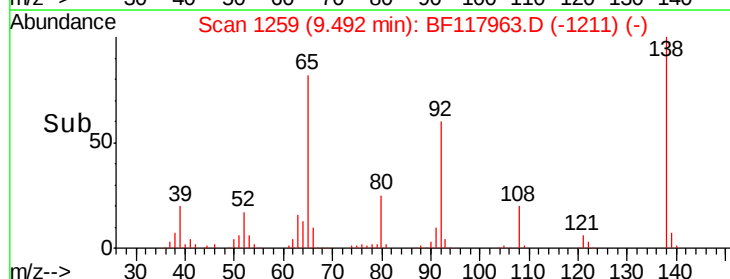
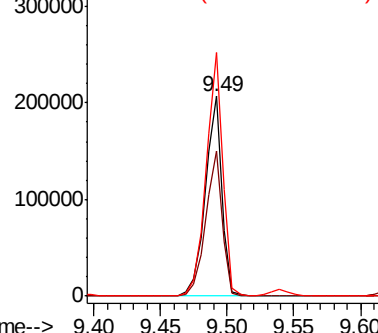


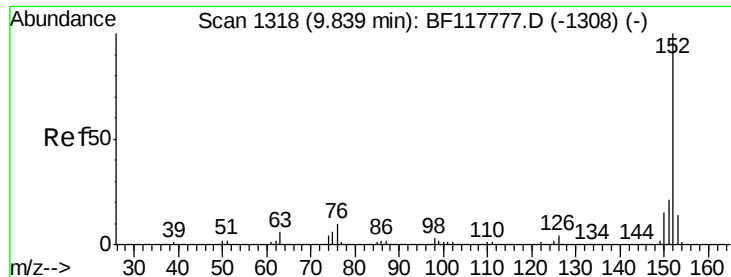
#48
 2-Nitroaniline
 Concen: 41.888 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	182323		
92	72.9	56.6	84.8	
138	122.0	90.5	135.7	



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: 47.219 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

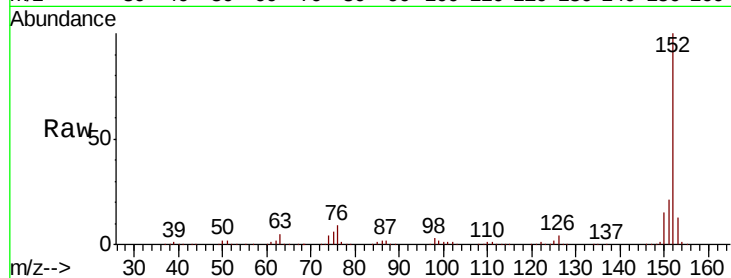
ClientSampleId :

IRONBOUND-4FTMSD

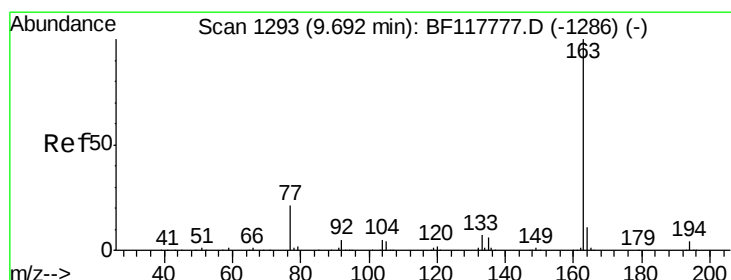
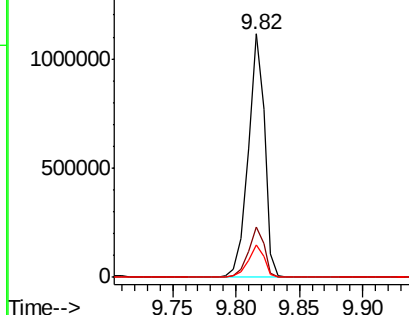
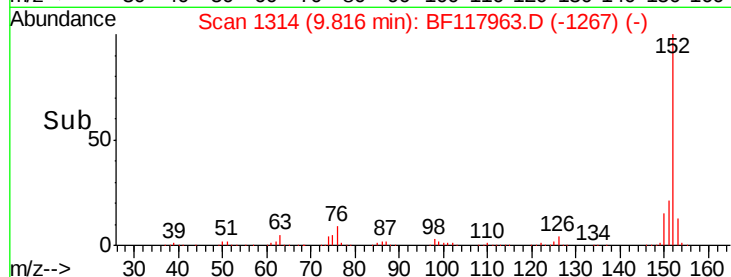
Tot Ion:	152	Resp:	992523
Ion Ratio	Lower	Upper	
152	100		
151	20.6	17.0	25.6
153	13.3	11.0	16.6

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11/25/2019 2:32:22 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 56.603 ng

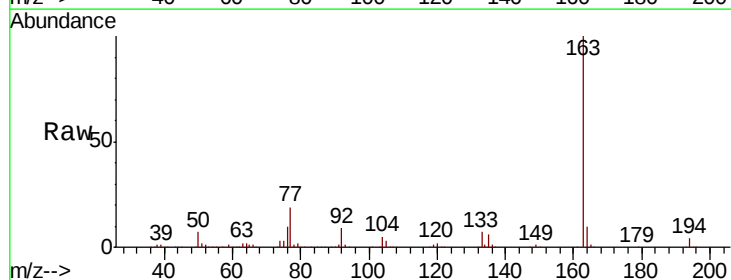
RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

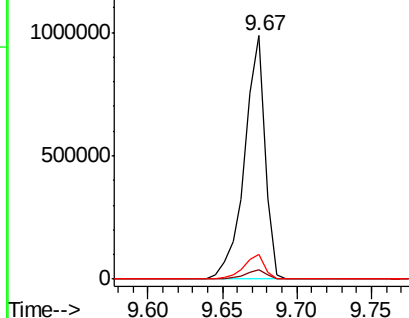
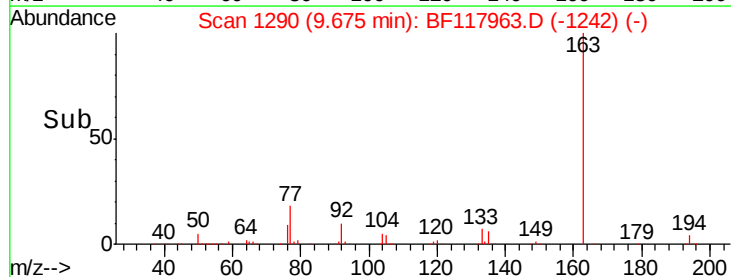
Lab File: BF117963.D

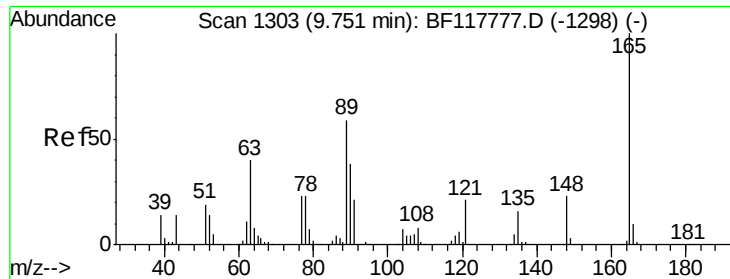
Acq: 23 Nov 2019 18:15

Tgt Ion:	163	Resp:	937608
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.3	4.9
164	10.1	8.7	13.1



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





#51

2,6-Dinitrotoluene

Concen: 45.304 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

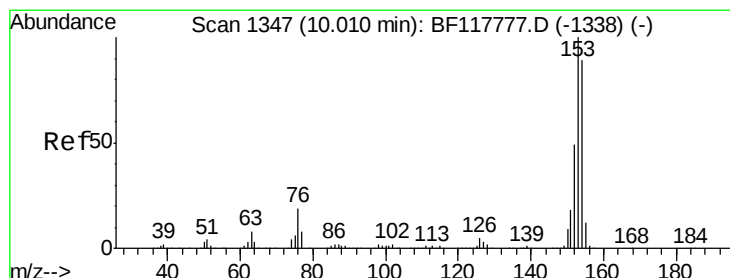
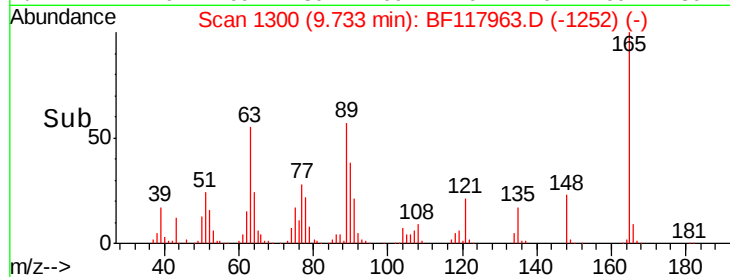
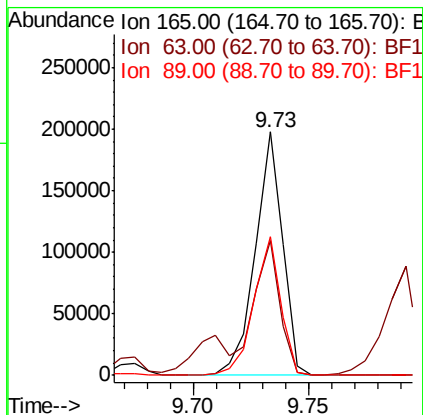
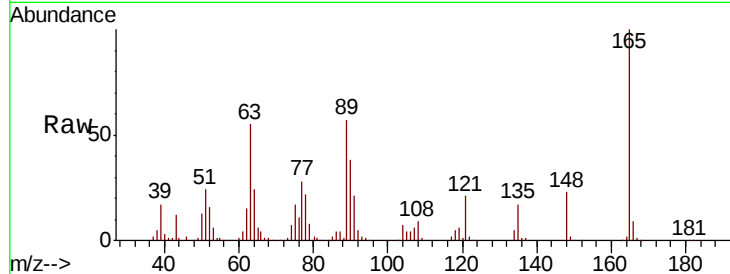
ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion:	165	Resp:	164011
Ion Ratio	Lower	Upper	
165	100		
63	55.2	46.0	69.0
89	57.0	47.7	71.5

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11/25/2019 2:32:22 PM



#52

Acenaphthene

Concen: 51.411 ng

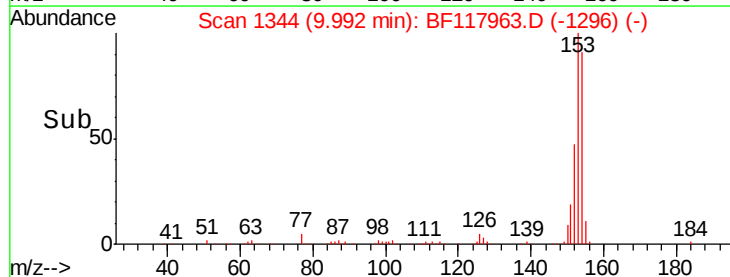
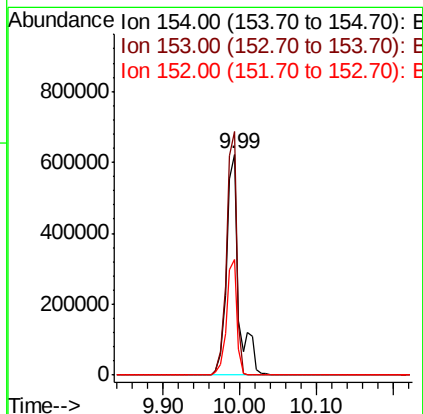
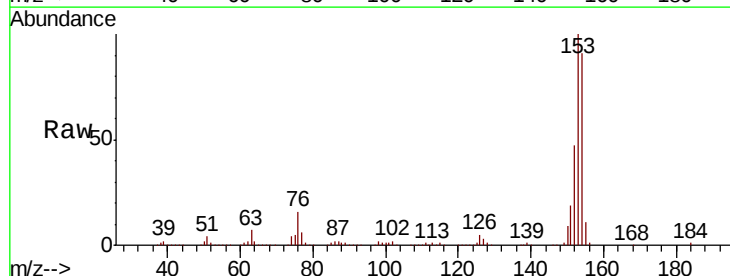
RT: 9.99 min Scan# 1344

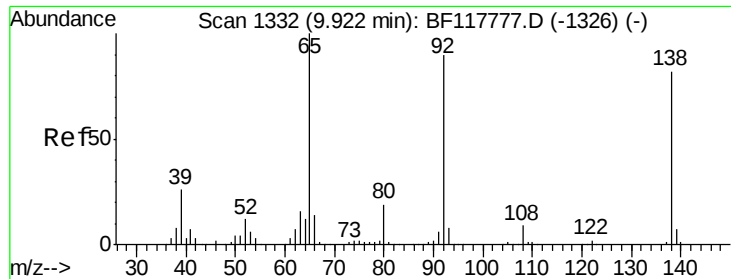
Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Tgt Ion:	154	Resp:	692246
Ion Ratio	Lower	Upper	
154	100		
153	110.3	90.1	135.1
152	52.3	44.0	66.0





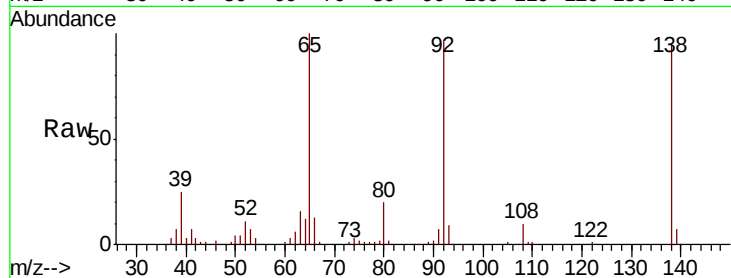
#53
3-Nitroaniline
Concen: 22.208 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

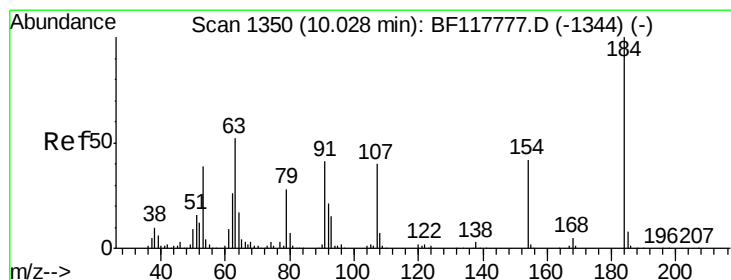
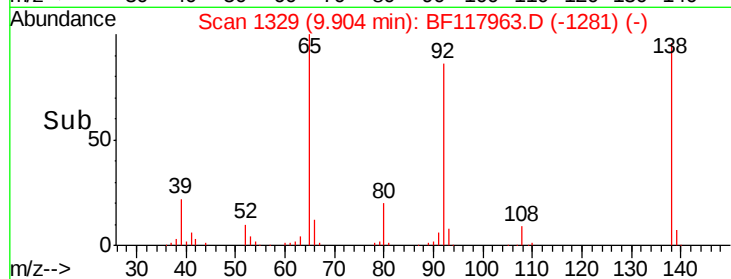
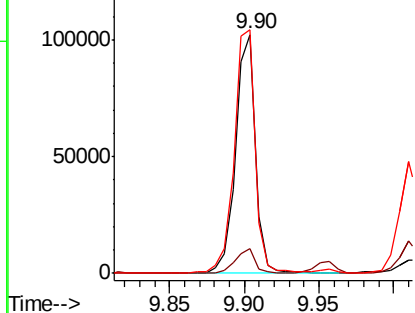
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.6	12.8
92	101.8	87.9	131.9

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11/25/2019 2:32:22 PM

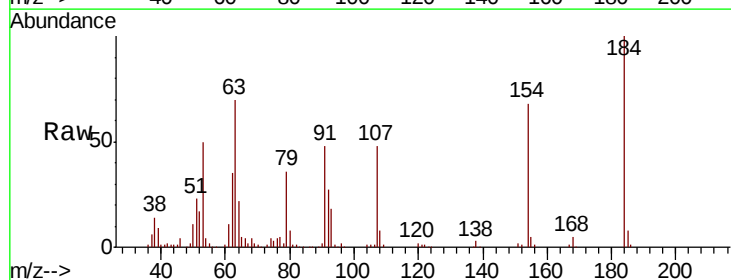


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

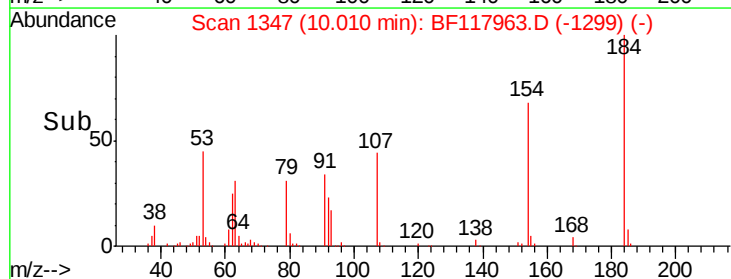
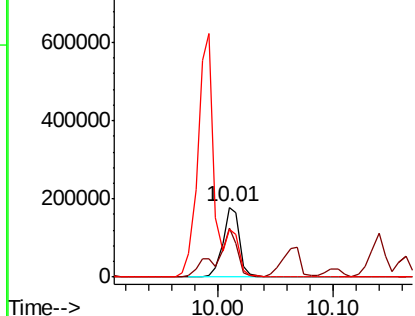


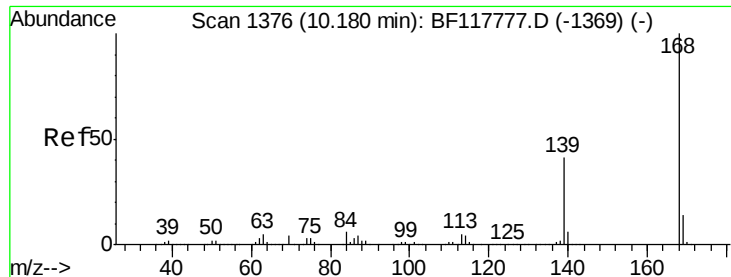
#54
2,4-Dinitrophenol
Concen: 94.673 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.4	43.0	64.6#
154	68.0	48.0	72.0



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





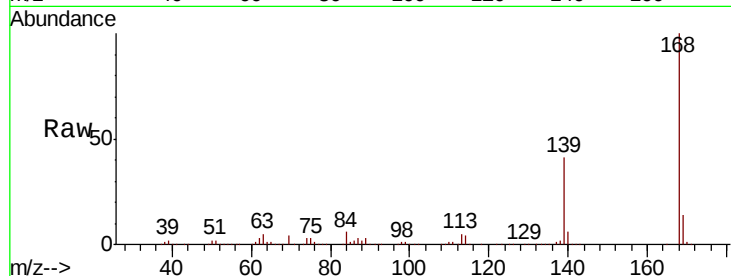
#55
Dibenzenofuran
Concen: 46.778 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.9	33.0	49.6
169	13.5	11.5	17.3

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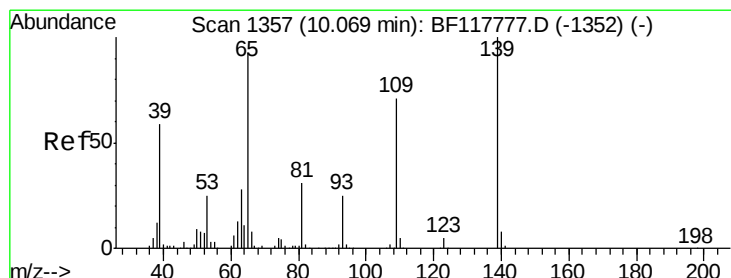
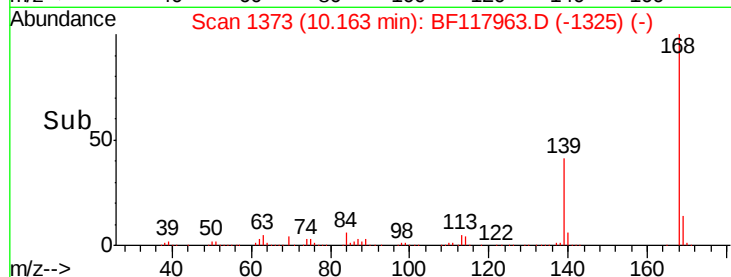
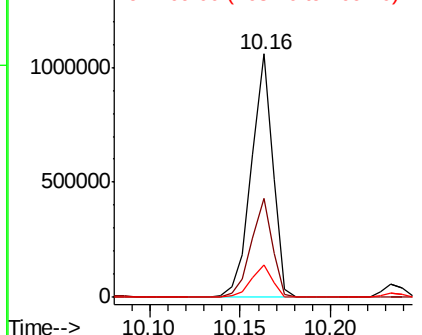


Abundance

Ion 168.00 (167.70 to 168.70): E

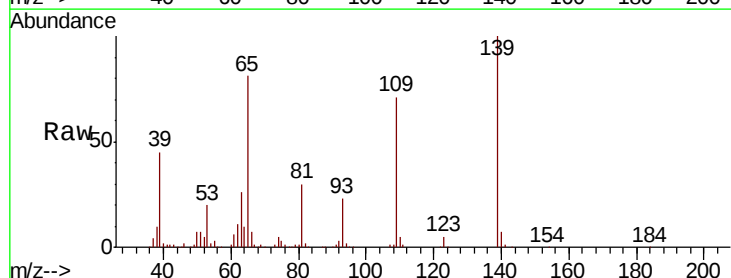
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 95.265 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.3	50.8	90.8
65	80.7	73.6	113.6

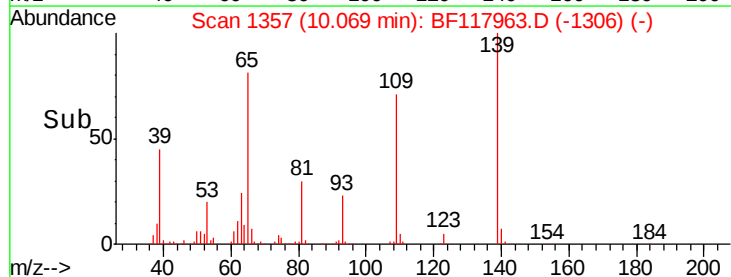
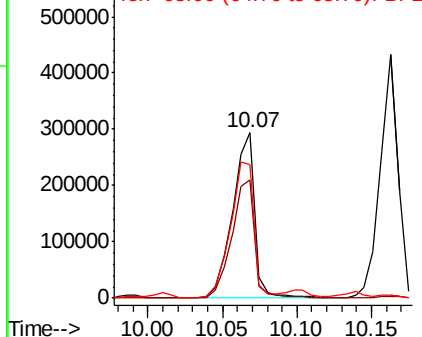


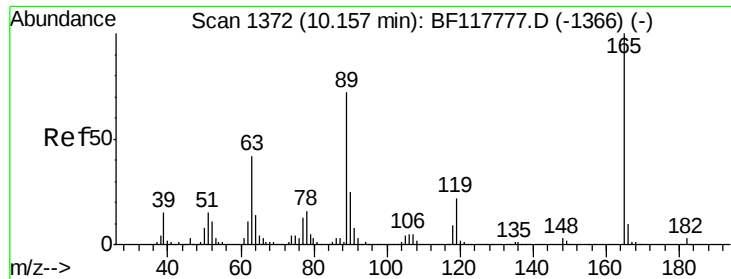
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





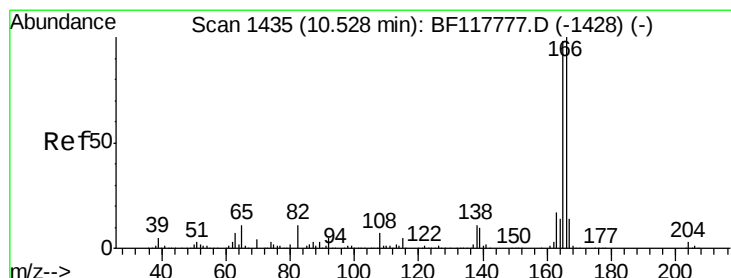
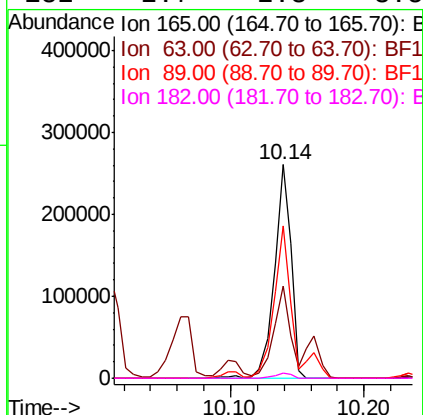
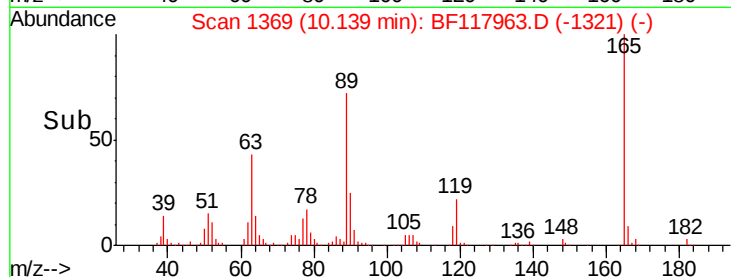
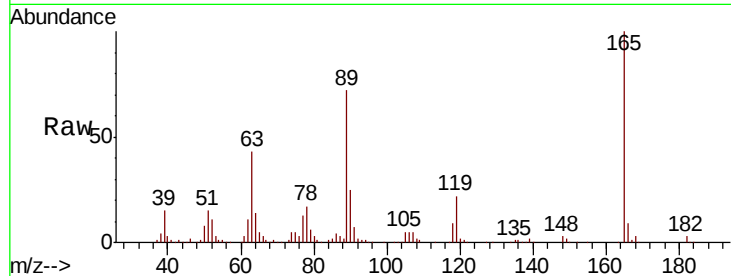
#57
2,4-Dinitrotoluene
Concen: 49.462 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	43.2	33.7	50.5
89	71.6	57.3	85.9
182	2.7	2.3	3.5

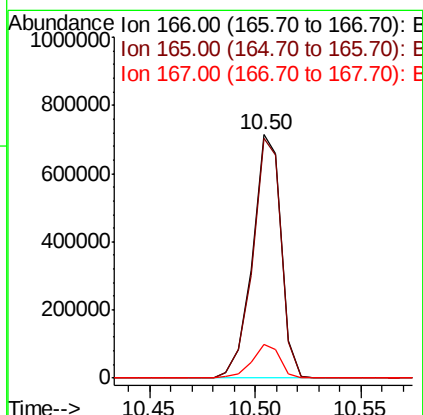
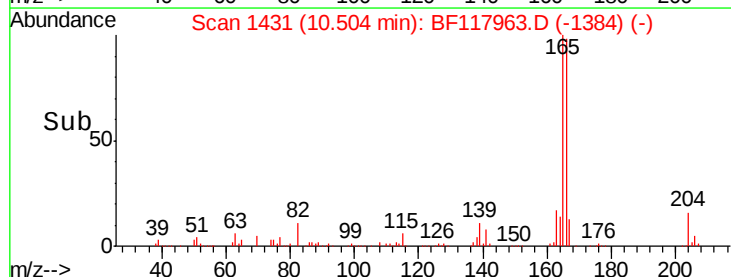
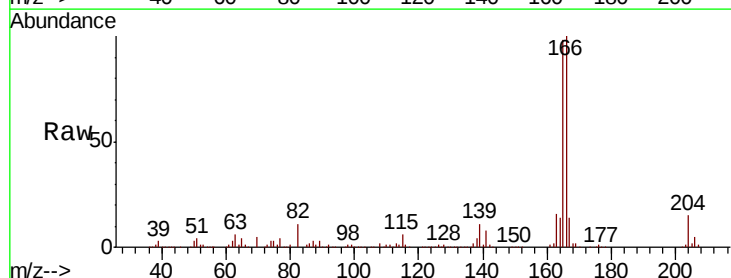
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#58
Fluorene
Concen: 46.690 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.4	117.6
167	13.9	11.0	16.4





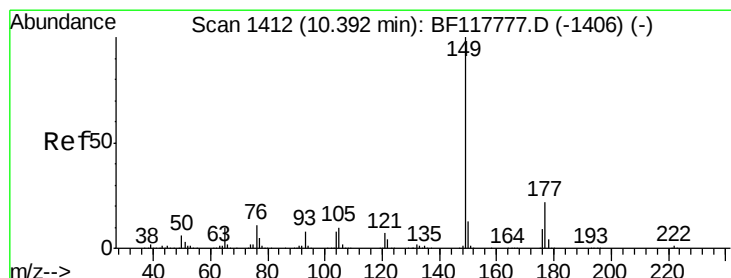
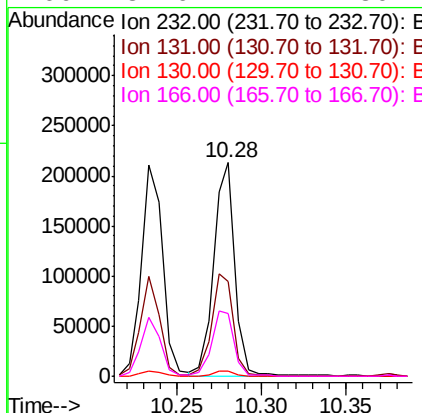
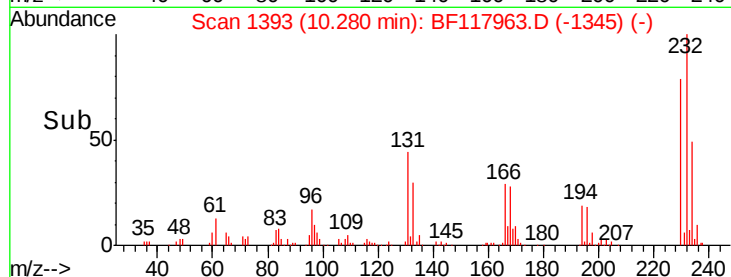
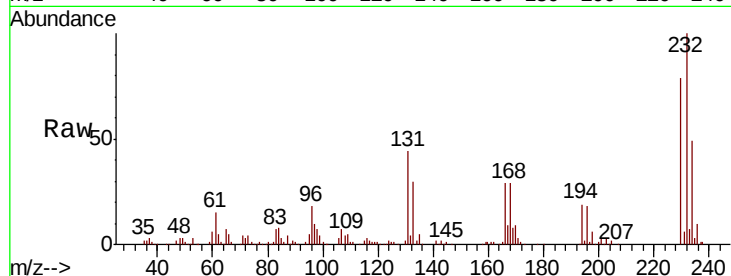
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.524 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	186632		
131	49.1		37.6	56.4
130	2.4		1.9	2.9
166	32.6		24.2	36.4

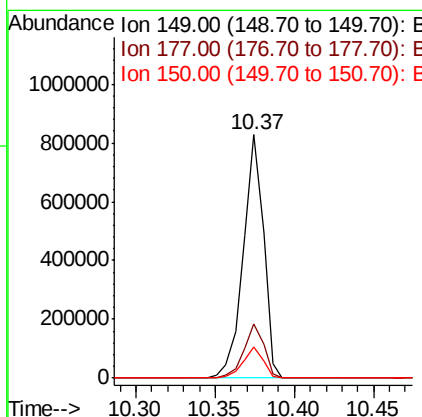
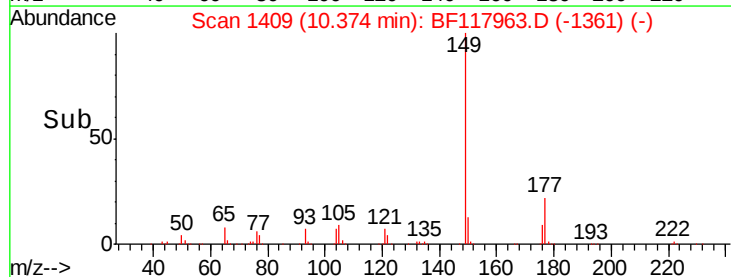
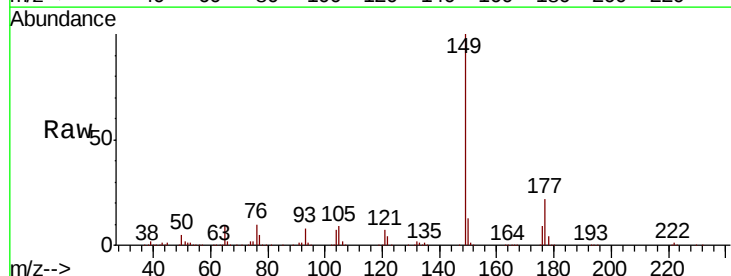
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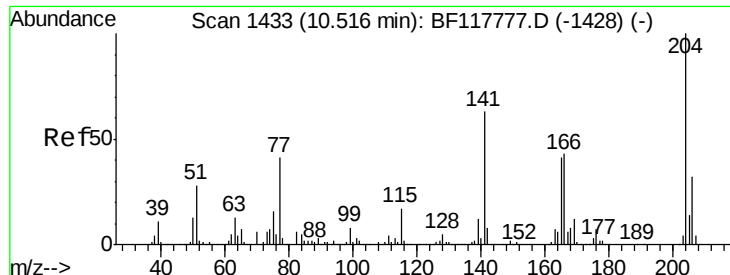
mohammad
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#60
Diethylphthalate
Concen: 45.394 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	733089		
177	22.4		18.0	27.0
150	12.8		10.5	15.7





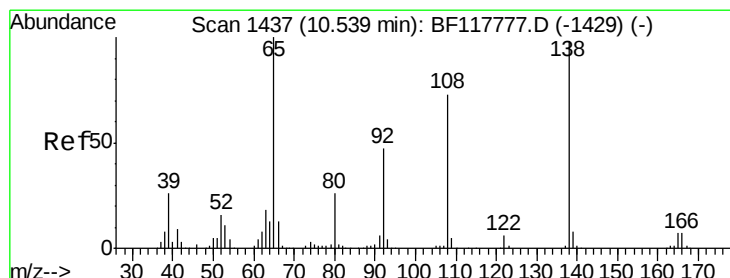
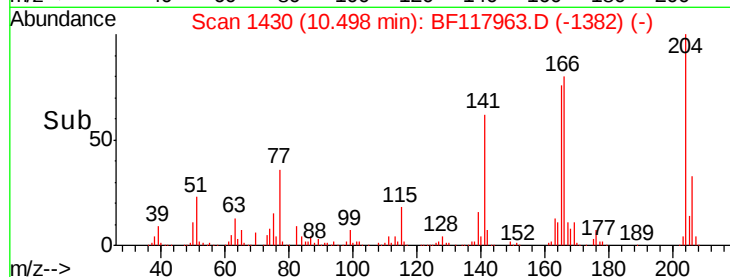
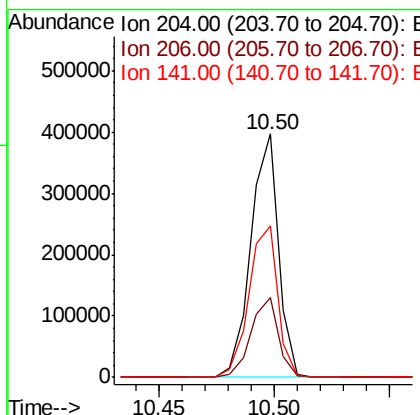
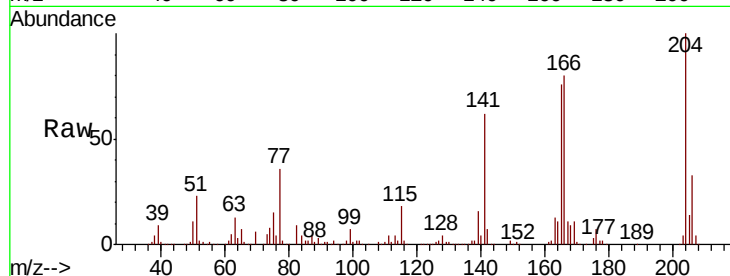
#61
4-Chlorophenyl-phenylether
Concen: 45.323 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.6	38.4
141	62.5	50.7	76.1

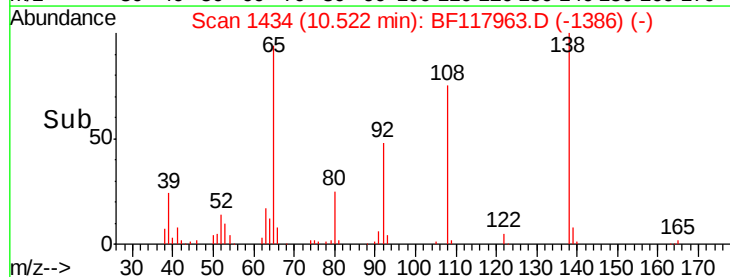
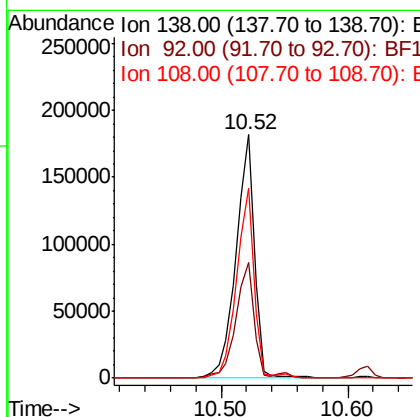
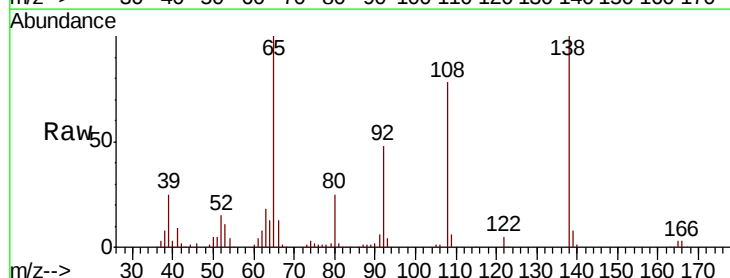
Manual Integrations
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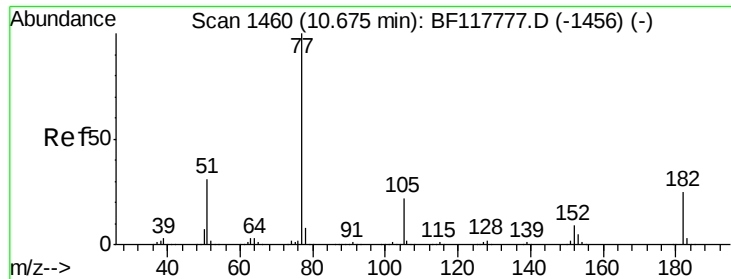
mohammad
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#62
4-Nitroaniline
Concen: 41.763 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.6	28.3	68.3
108	78.1	54.3	94.3





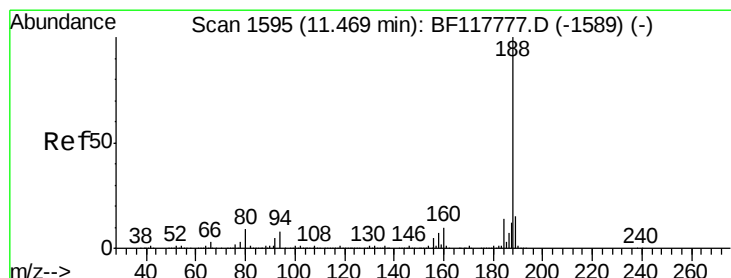
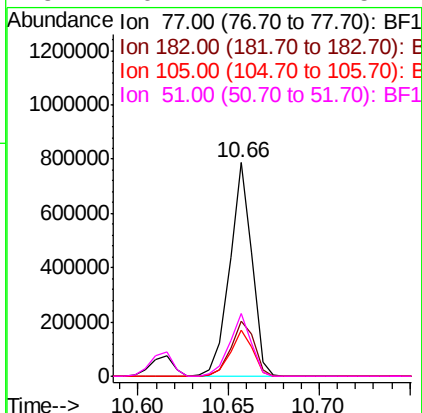
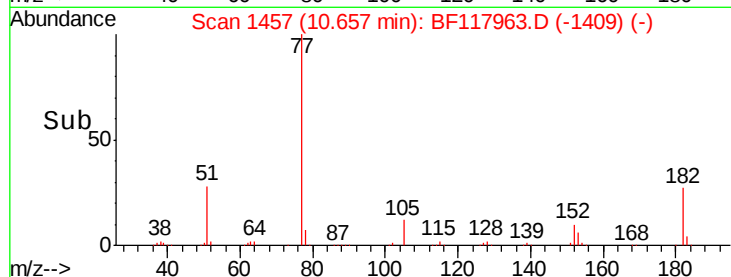
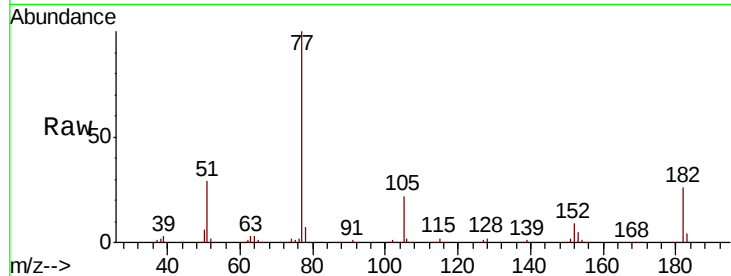
#63
Azobenzene
Concen: 45.402 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		667056		
182	25.8	4.8	44.8		
105	21.7	2.1	42.1		
51	29.1	11.4	51.4		

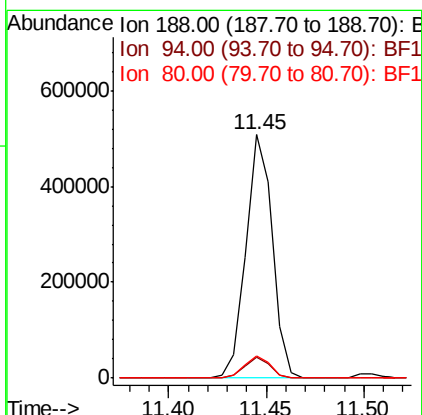
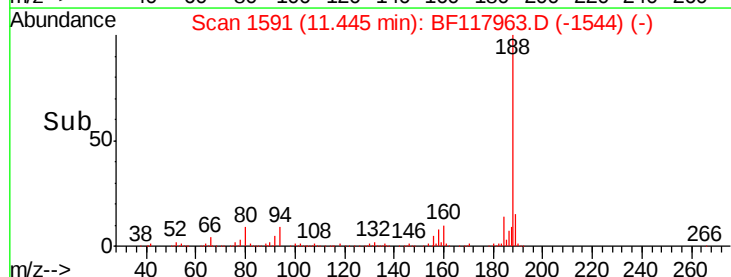
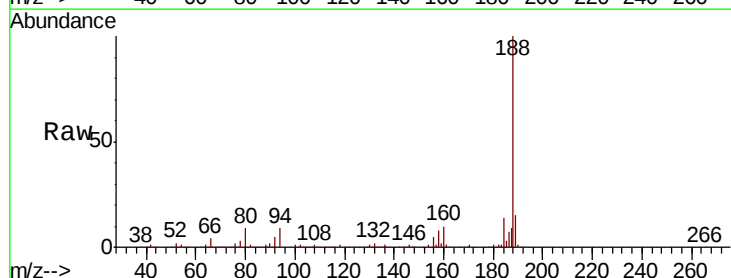
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		474533		
94	8.7	6.6	10.0		
80	9.2	7.2	10.8		





#65

4,6-Dinitro-2-methylphenol

Concen: 56.048 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

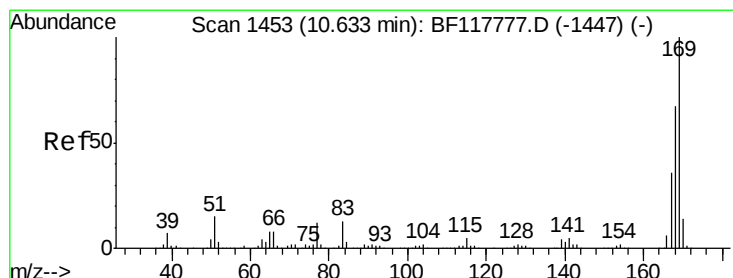
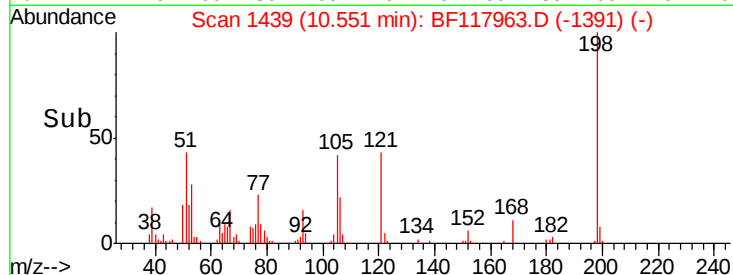
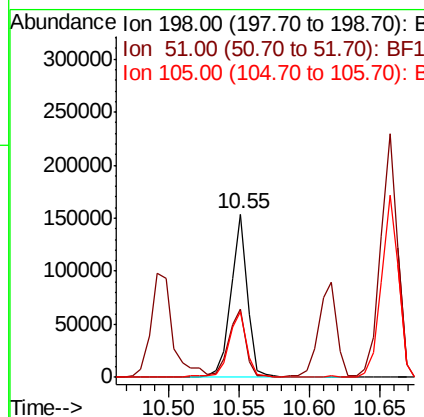
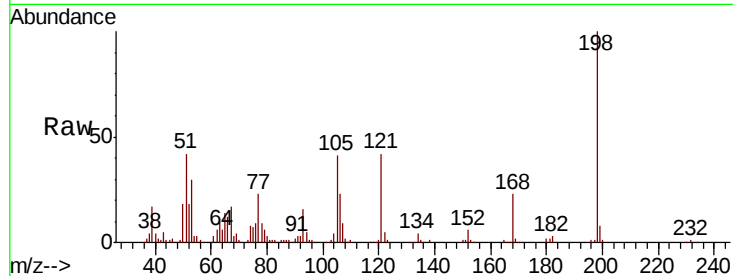
ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion:	198	Resp:	124162
Ion Ratio	Lower	Upper	
198	100		
51	41.6	16.0	56.0
105	40.6	19.1	59.1

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#66

n-Nitrosodiphenylamine

Concen: 43.630 ng

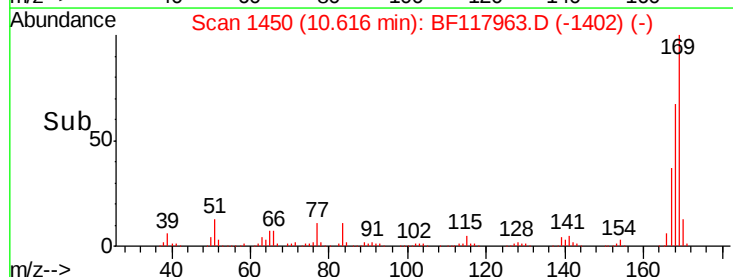
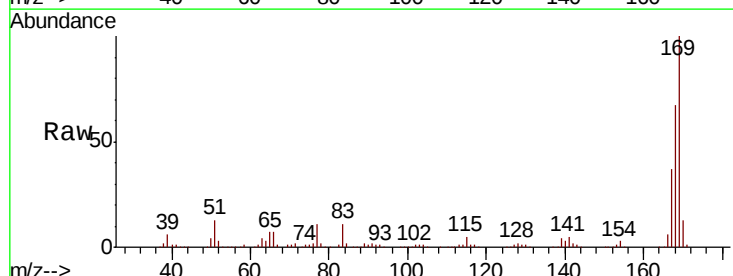
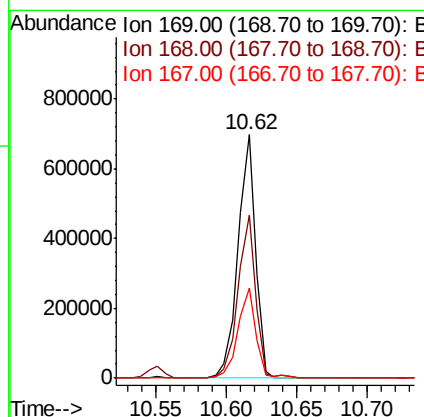
RT: 10.62 min Scan# 1450

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Tgt Ion:	169	Resp:	602543
Ion Ratio	Lower	Upper	
169	100		
168	67.1	53.5	80.3
167	37.0	29.0	43.4





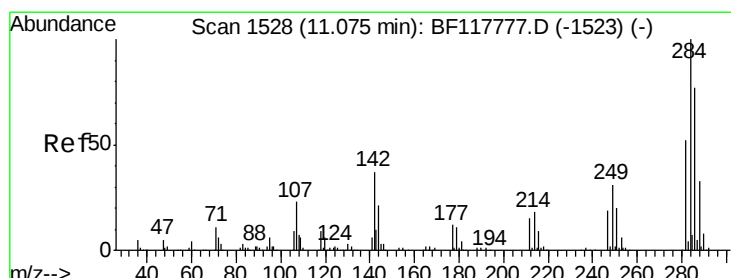
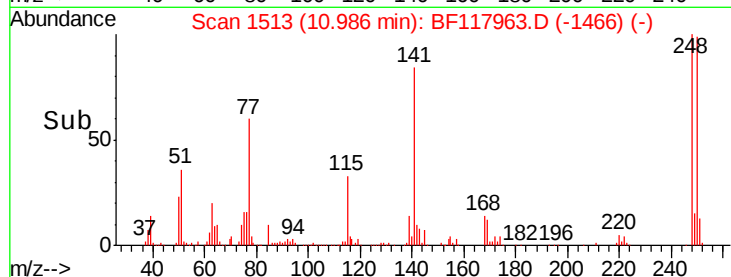
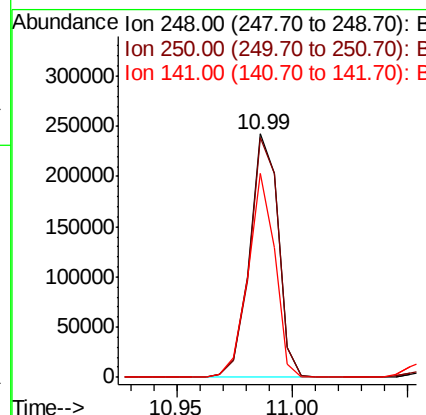
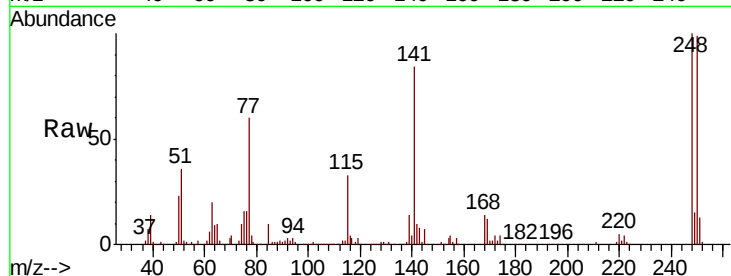
#67
 4-Bromophenyl-phenylether
 Concen: 41.173 ng
 RT: 10.99 min Scan# 1513
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-4FTMSD

Tot Ion:	248	Resp:	210810
Ion Ratio	Lower	Upper	
248	100		
250	98.5	76.6	115.0
141	83.9	55.9	83.9

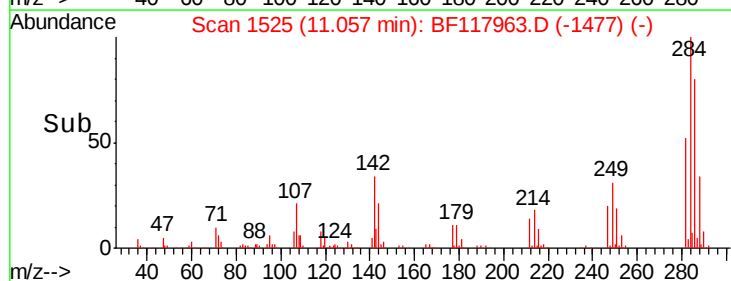
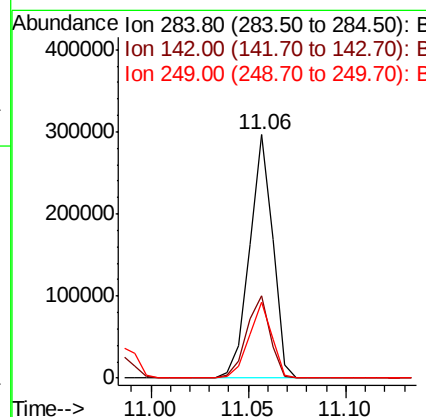
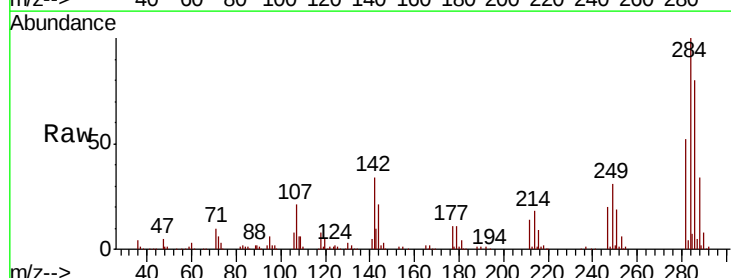
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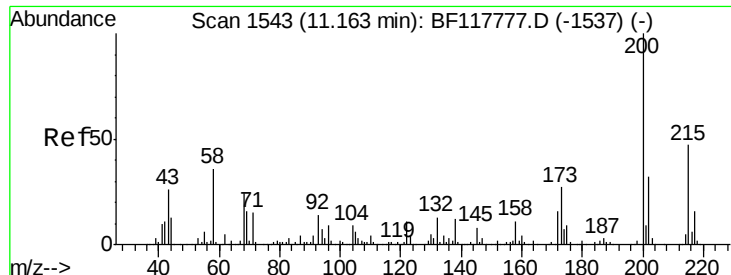
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#68
 Hexachlorobenzene
 Concen: 41.076 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Tgt Ion:	284	Resp:	245235
Ion Ratio	Lower	Upper	
284	100		
142	34.1	29.4	44.2
249	31.2	24.6	37.0





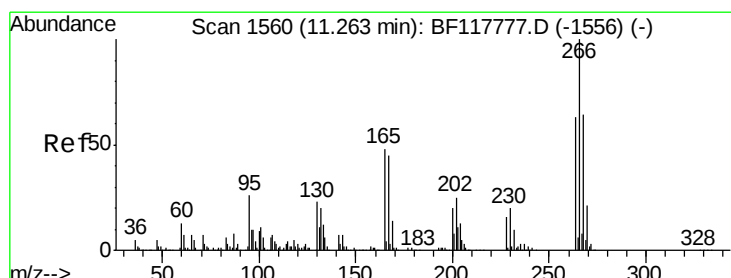
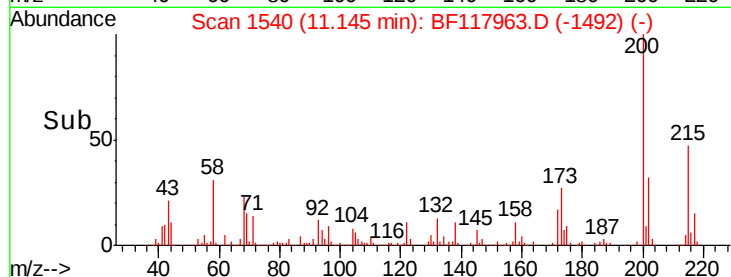
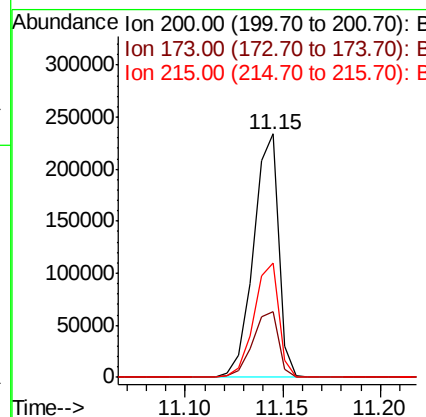
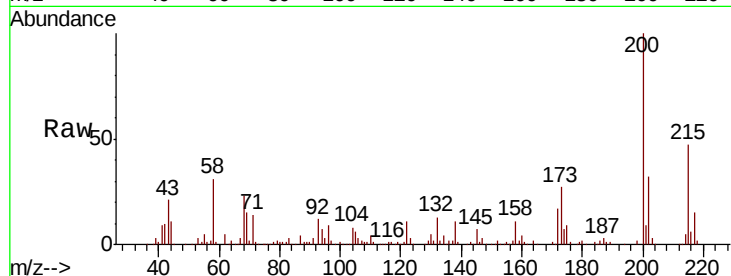
#69
Atrazine
Concen: 45.995 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.9	6.7	46.7
215	46.8	27.5	67.5

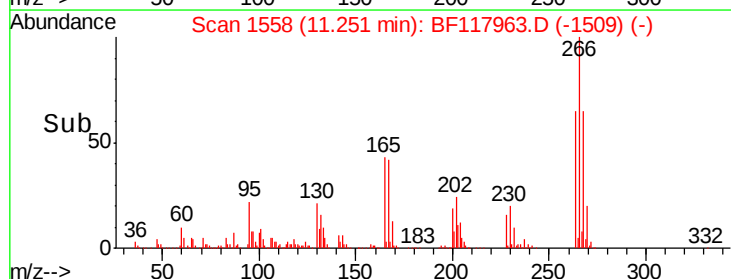
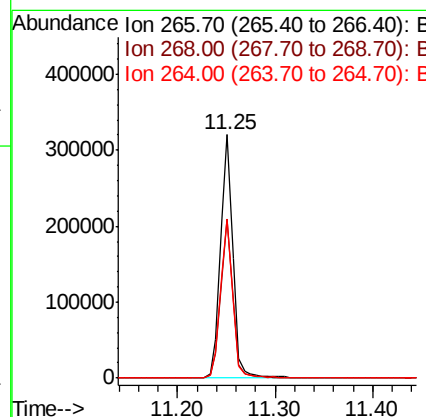
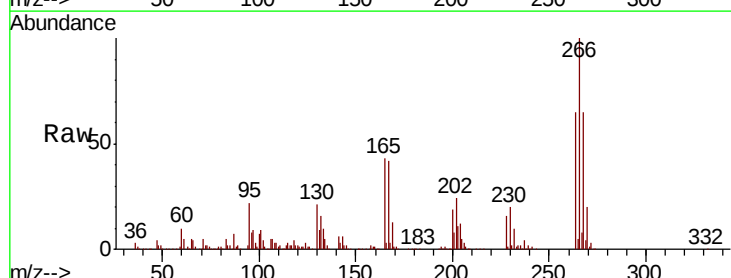
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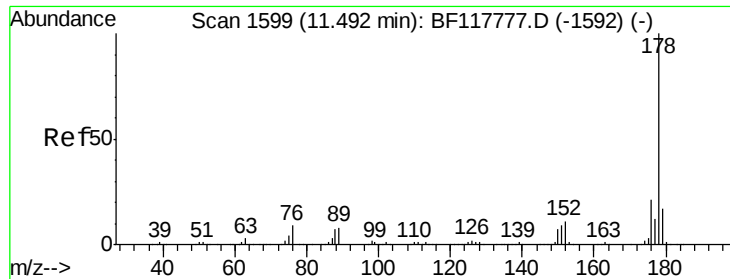
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#70
Pentachlorophenol
Concen: 81.897 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	65.2	50.8	76.2
264	65.3	50.7	76.1





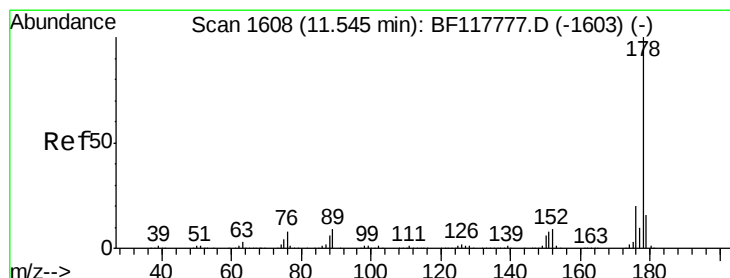
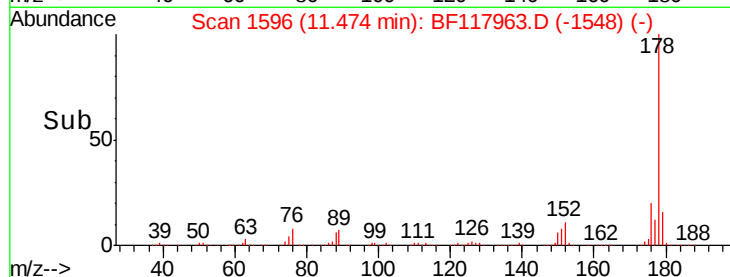
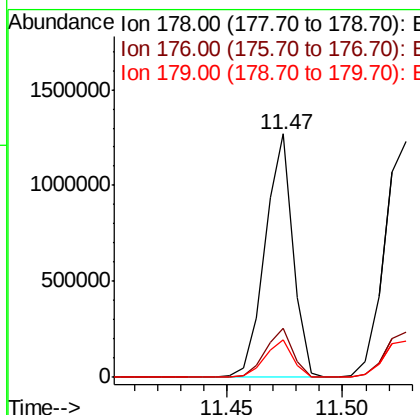
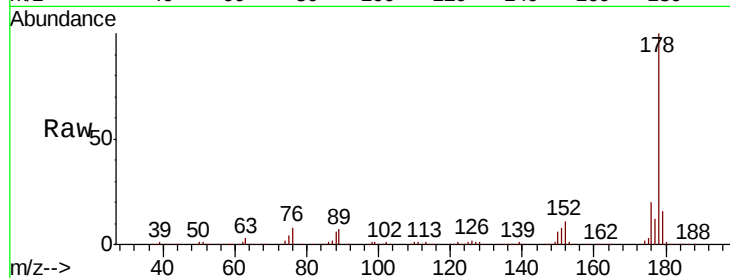
#71
Phenanthrene
Concen: 44.515 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion:178 Resp: 1062038
Ion Ratio Lower Upper
178 100
176 20.0 16.6 25.0
179 15.5 13.2 19.8

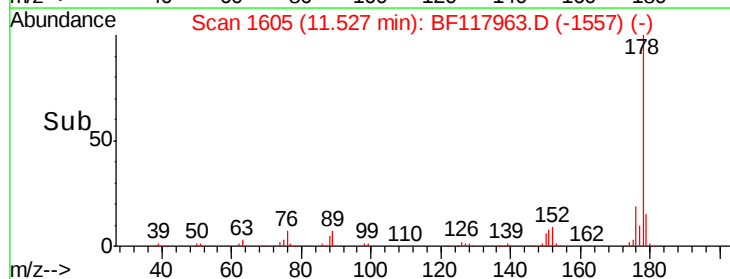
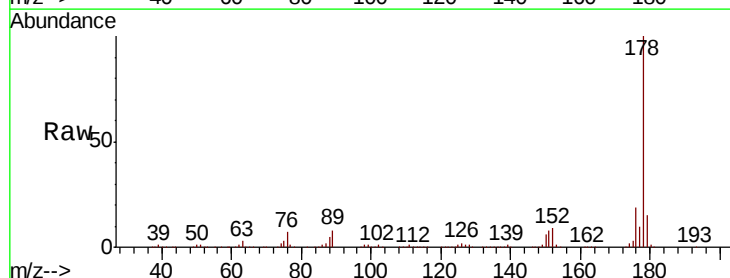
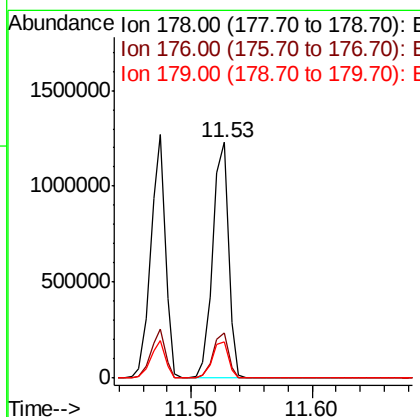
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#72
Anthracene
Concen: 46.590 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion:178 Resp: 1102066
Ion Ratio Lower Upper
178 100
176 19.3 16.1 24.1
179 15.3 13.0 19.4





#73

Carbazole

Concen: 47.258 ng

RT: 11.68 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

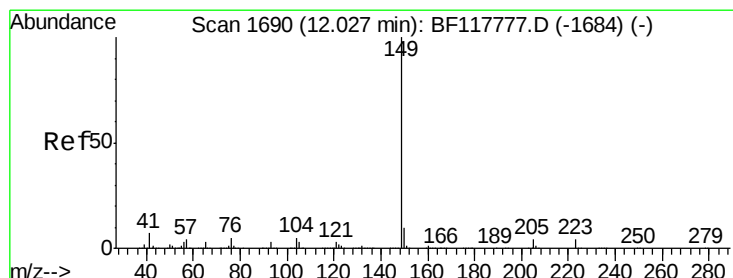
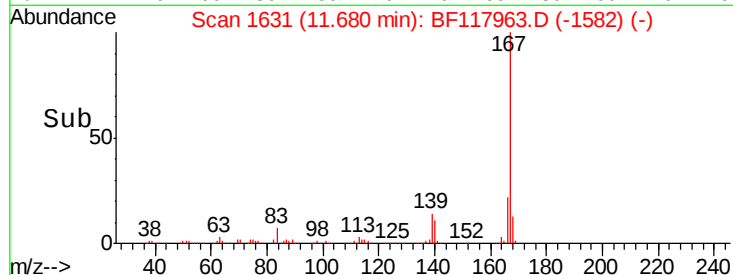
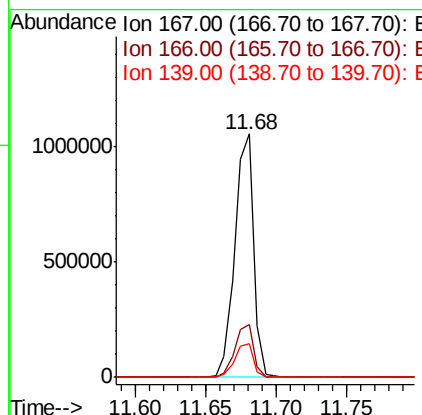
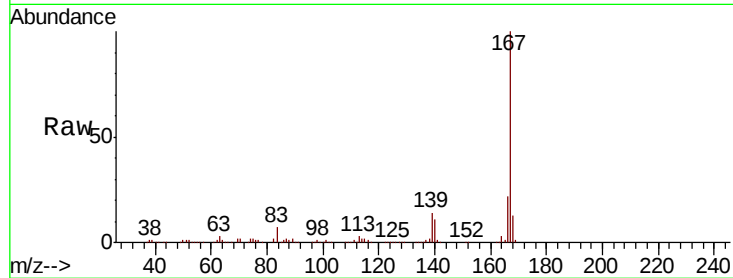
ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion:	167	Resp:	976858
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.0	27.0
139	13.7	11.7	17.5

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#74

Di-n-butylphthalate

Concen: 45.780 ng

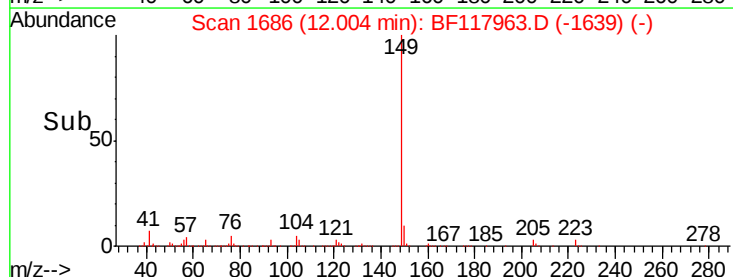
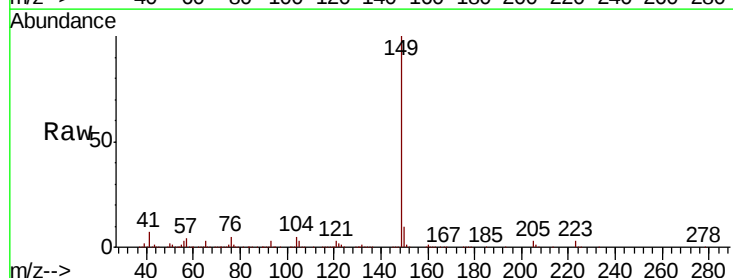
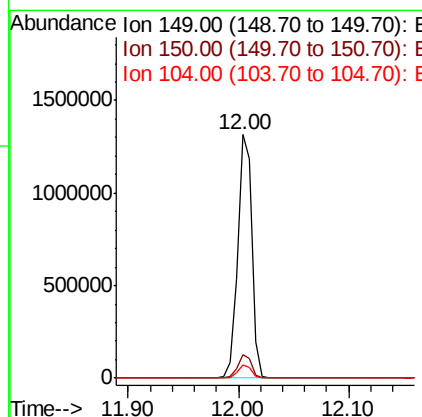
RT: 12.00 min Scan# 1686

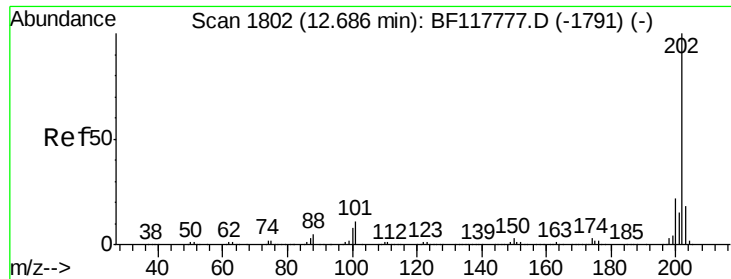
Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Tgt Ion:	149	Resp:	1178226
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.9	11.9
104	5.3	4.2	6.4





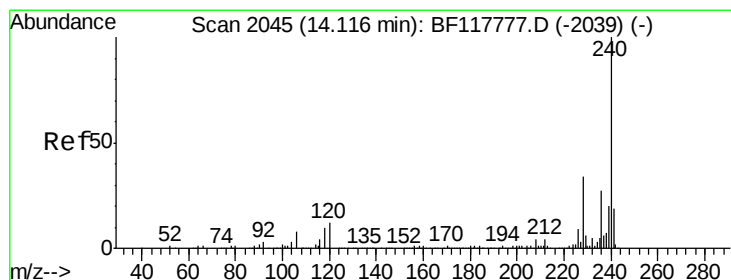
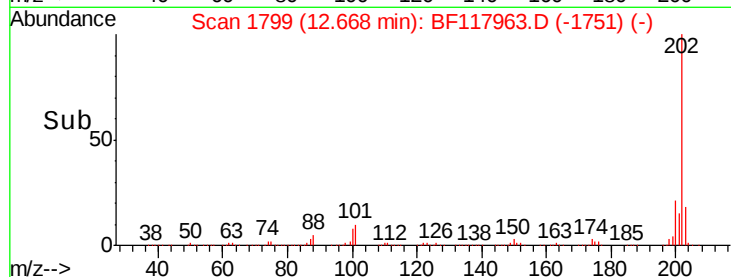
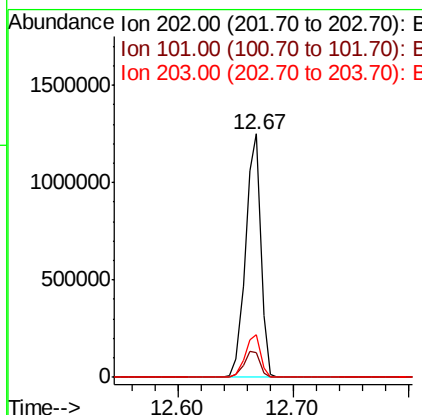
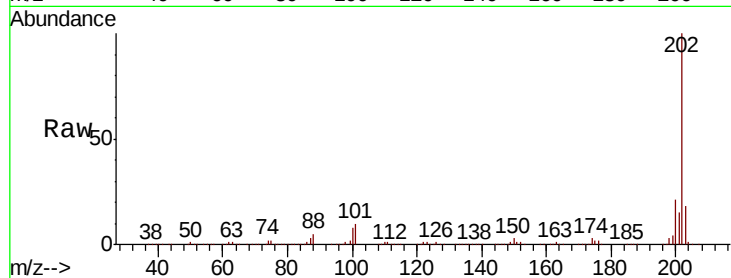
#75
 Fluoranthene
 Concen: 53.879 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.1
203	17.7	0.0	38.2

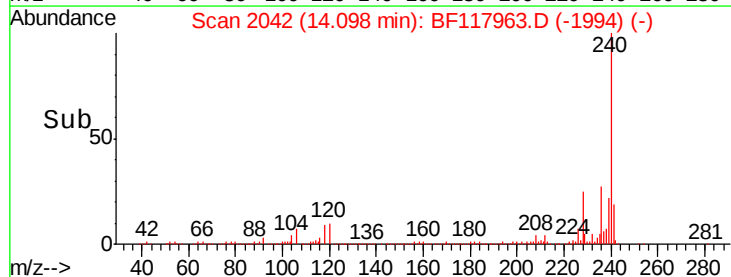
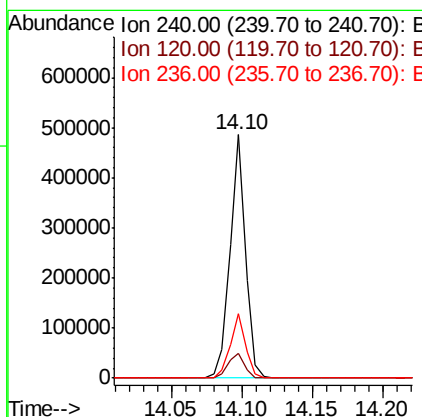
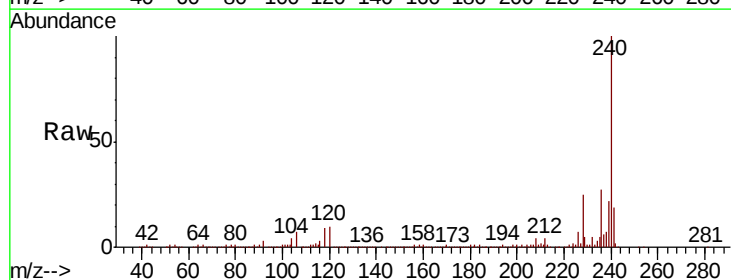
Manual Integrations
 APPROVED

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 11/25/2019 2:32:22 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.5	14.3
236	26.5	21.3	31.9





#77

Benzidine

Concen: 42.366 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

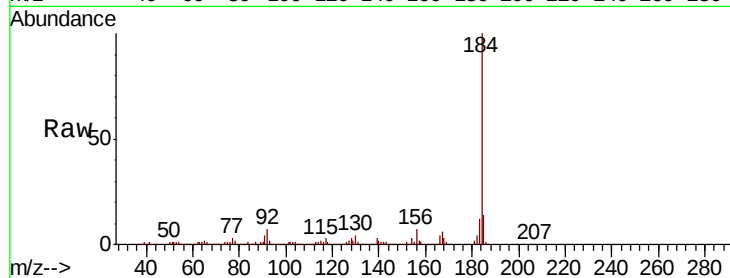
ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.2	18.4
183	12.2	9.5	14.3

Manual Integrations
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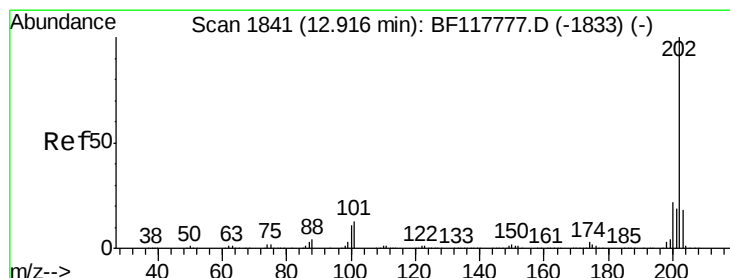
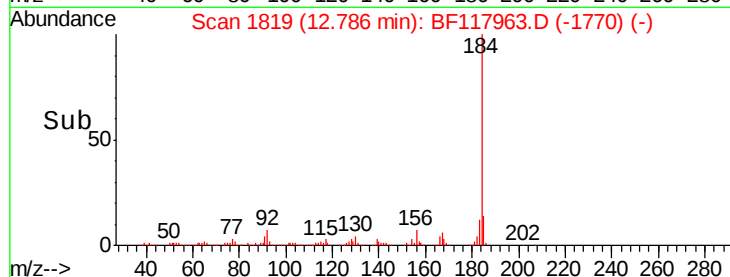
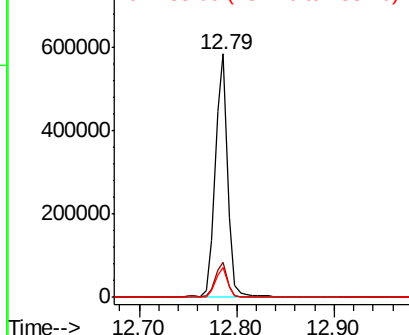


Abundance

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: 39.247 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

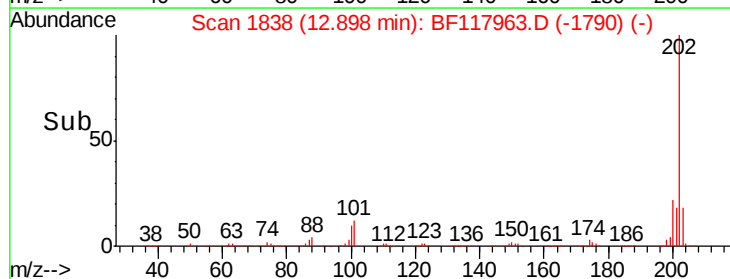
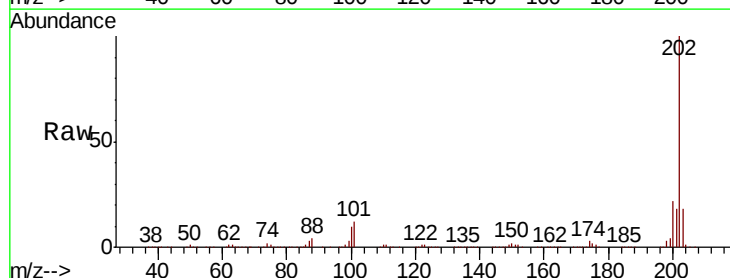
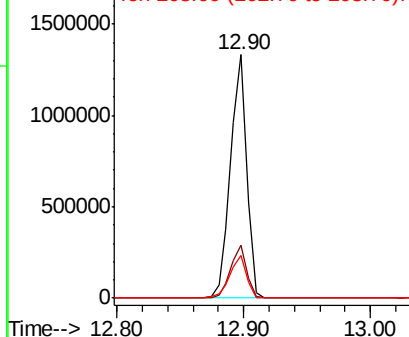
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.8
203	17.7	14.6	22.0

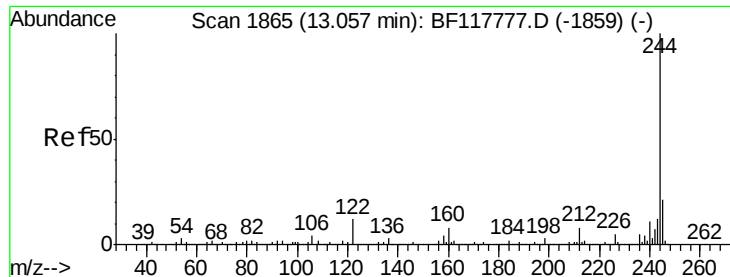
Abundance

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





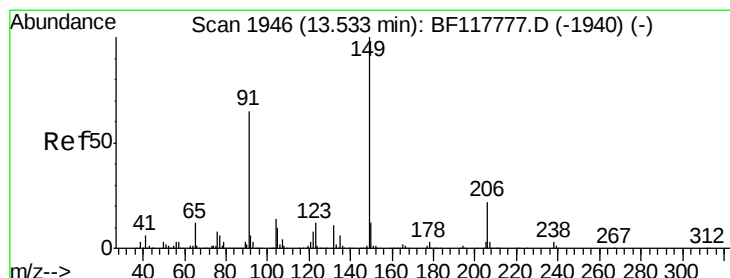
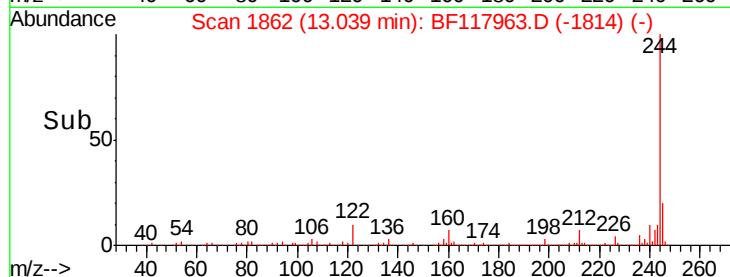
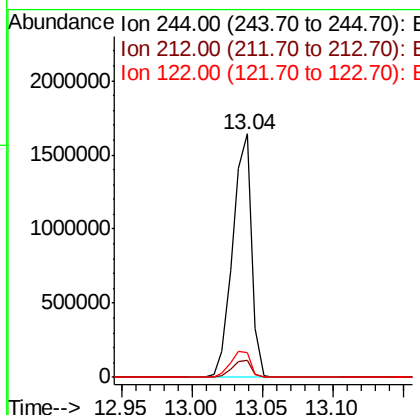
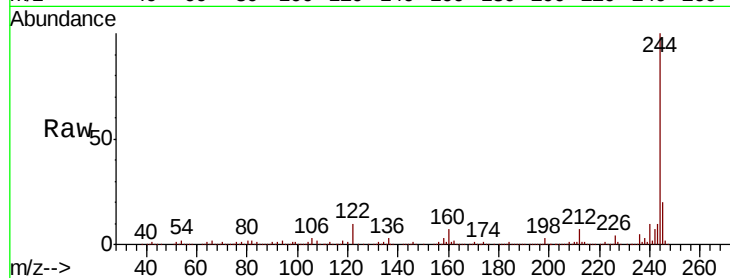
#79
 Terphenyl-d14
 Concen: 75.356 ng
 RT: 13.04 min Scan# 1862
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	9.9	9.4	14.2

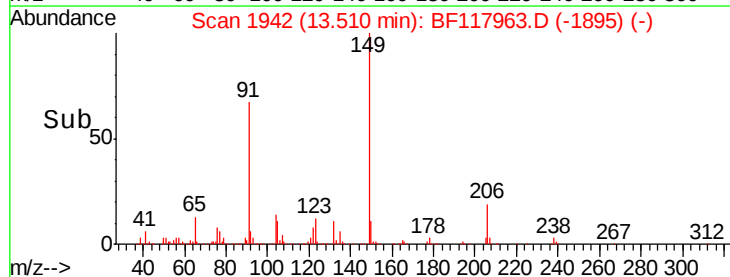
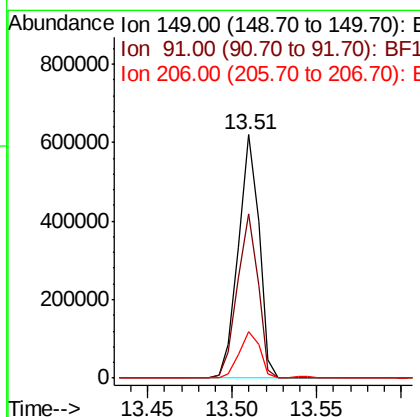
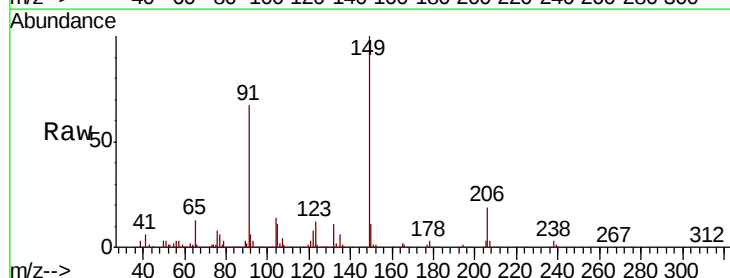
Manual Integrations
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#80
 Butylbenzylphthalate
 Concen: 41.350 ng
 RT: 13.51 min Scan# 1942
 Delta R.T. -0.02 min
 Lab File: BF117963.D
 Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.4	51.9	77.9
206	19.3	17.2	25.8





#81

Benzo(a)anthracene

Concen: 44.207 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

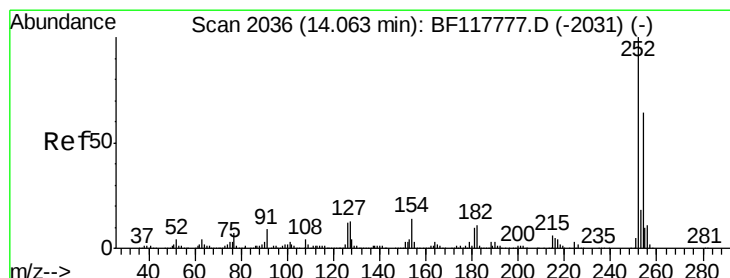
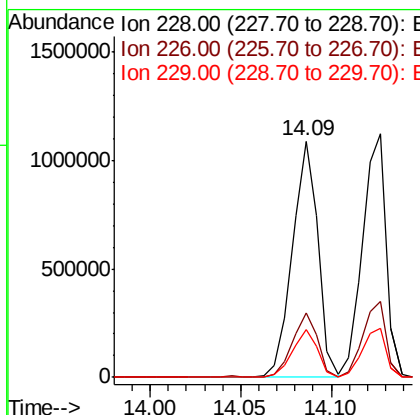
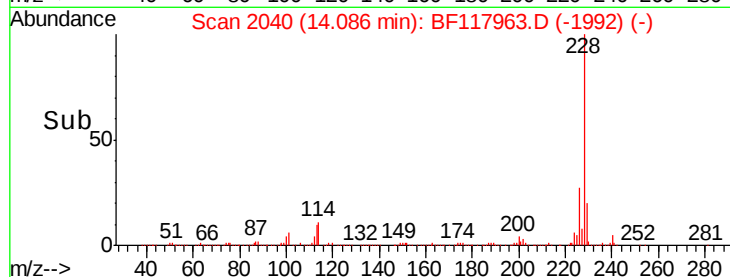
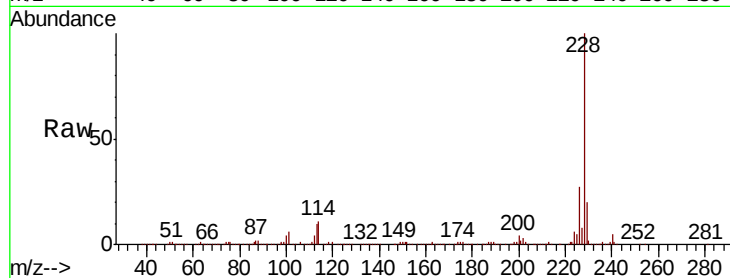
ClientSampleId :

IRONBOUND-4FTMSD

Tot Ion:	228	Resp:	1078855
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	20.0	15.9	23.9

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 29.776 ng

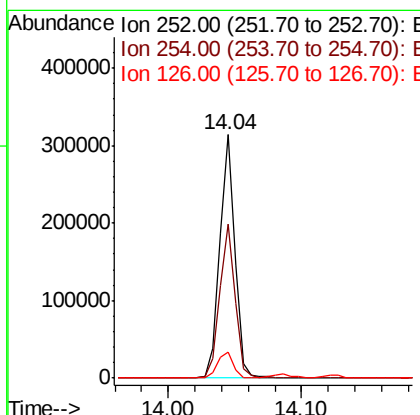
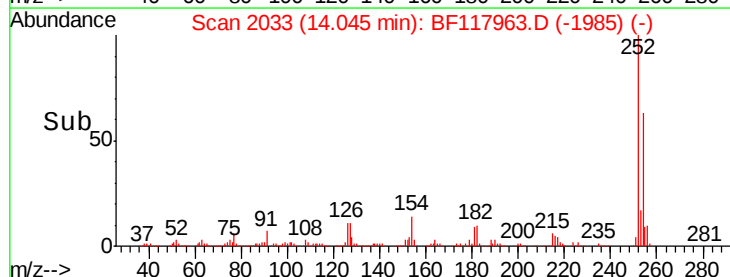
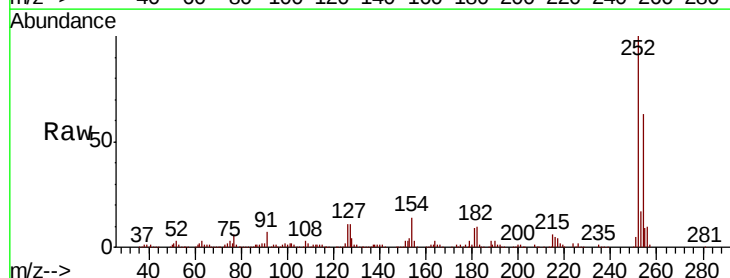
RT: 14.04 min Scan# 2033

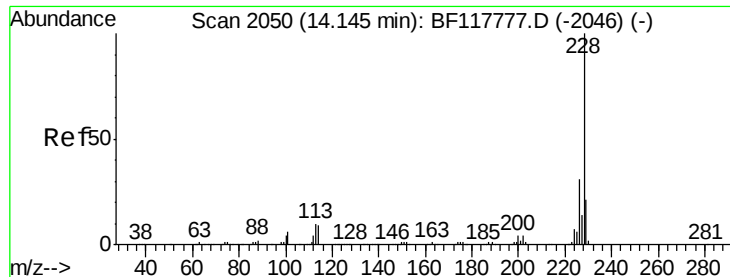
Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Tgt Ion:	252	Resp:	254183
Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.0	76.6
126	10.8	9.7	14.5





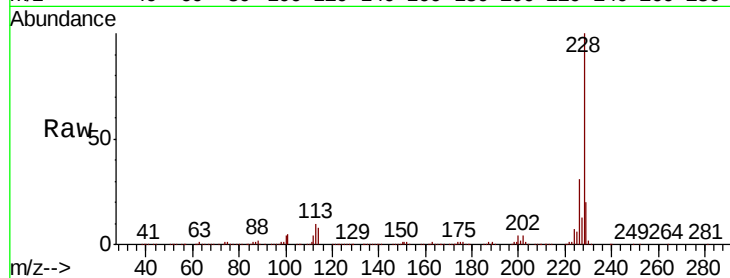
#83
Chrysene
Concen: 43.087 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.4
229	19.9	16.6	25.0

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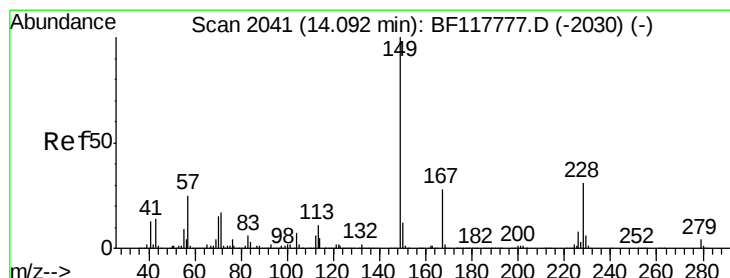
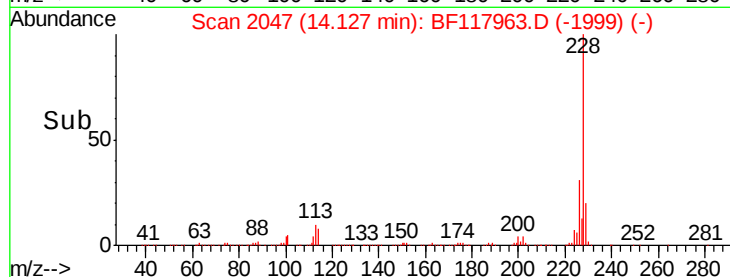
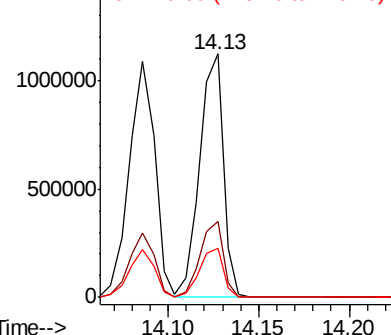


Abundance

Ion 228.00 (227.70 to 228.70): E

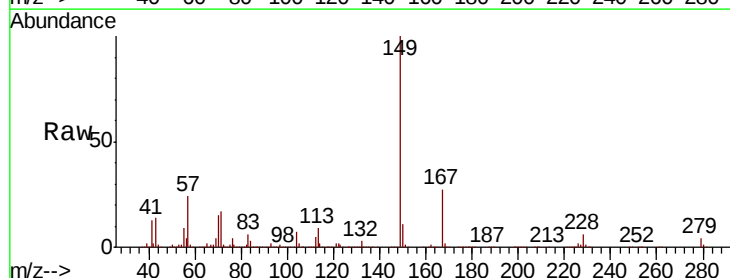
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 46.544 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.2	33.2
279	4.0	3.4	5.2

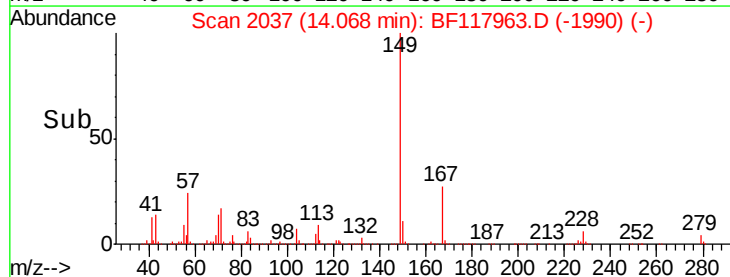
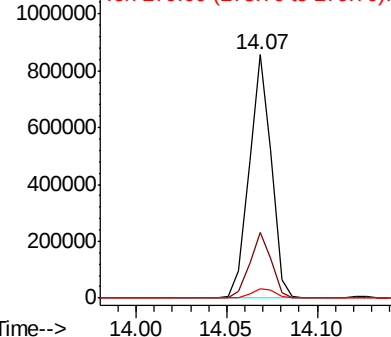


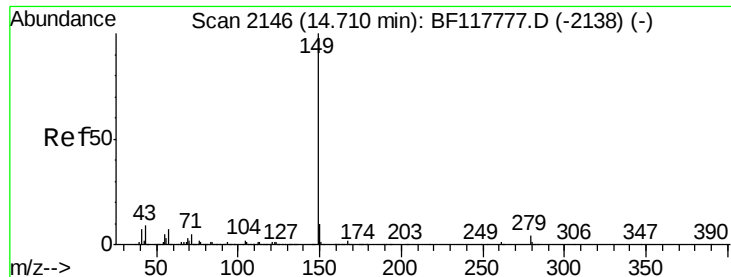
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 54.488 ng

RT: 14.69 min Scan# 2142

Delta R.T. -0.02 min

Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Instrument :

BNA_F

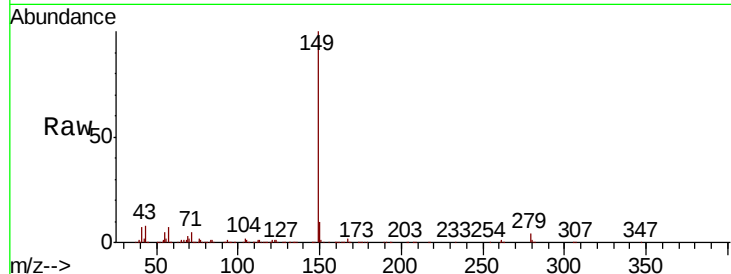
ClientSampleId :

IRONBOUND-4FTMSD

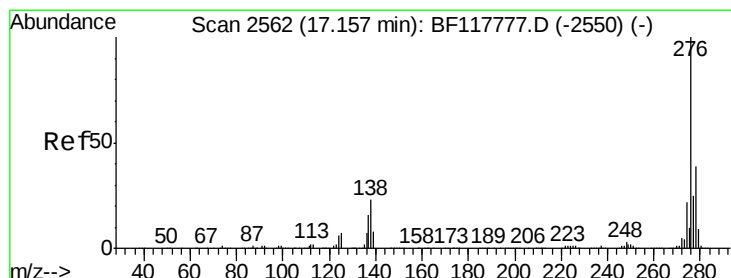
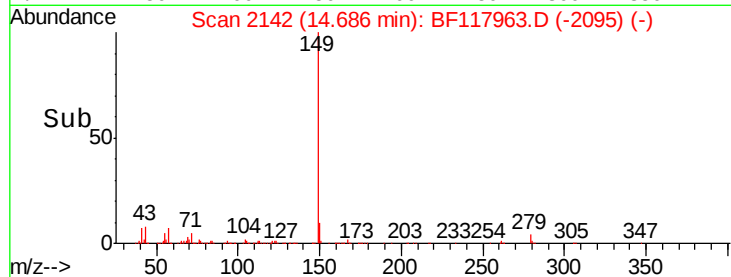
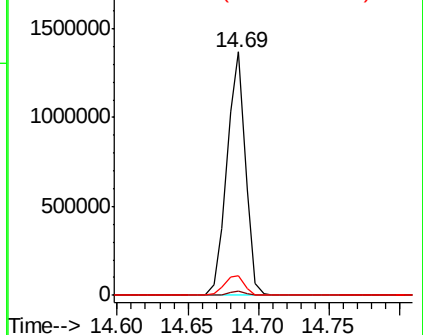
Tot Ion:	149	Resp:	1244031
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.6	7.4	11.2

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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: 47.208 ng

RT: 17.12 min Scan# 2556

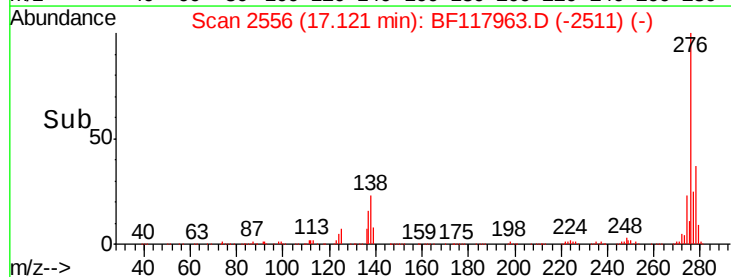
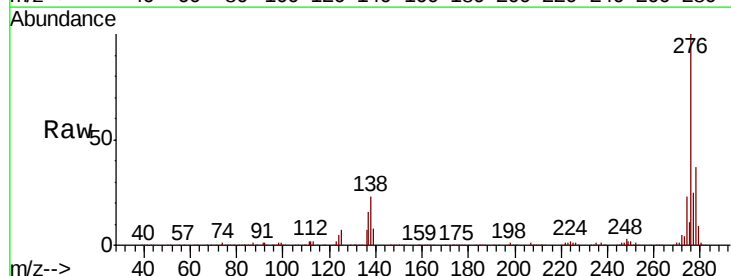
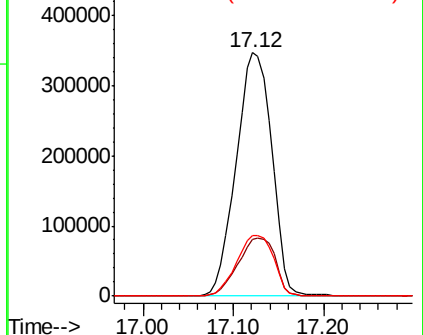
Delta R.T. -0.04 min

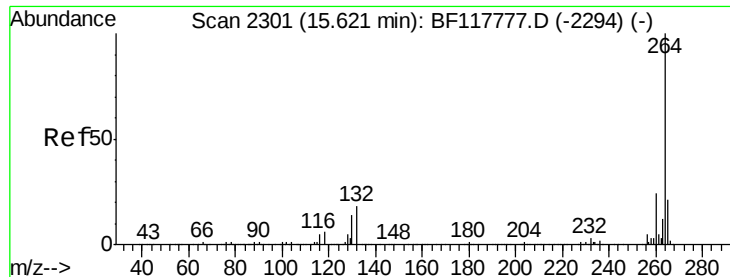
Lab File: BF117963.D

Acq: 23 Nov 2019 18:15

Tgt Ion:	276	Resp:	950151
Ion	Ratio	Lower	Upper
276	100		
138	25.2	20.9	31.3
277	25.9	20.3	30.5

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





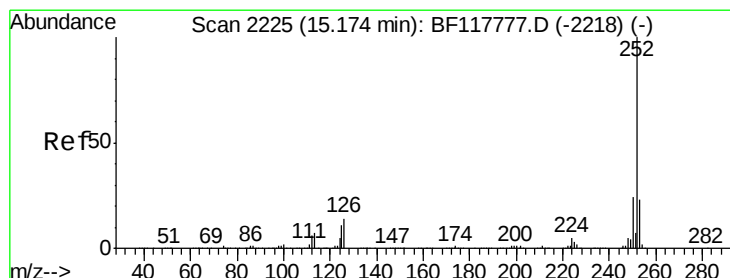
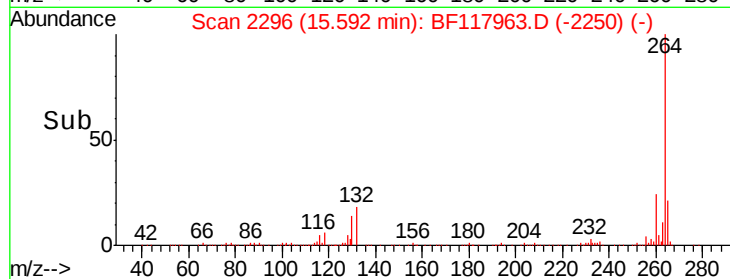
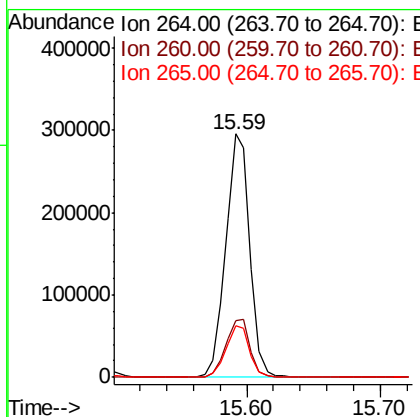
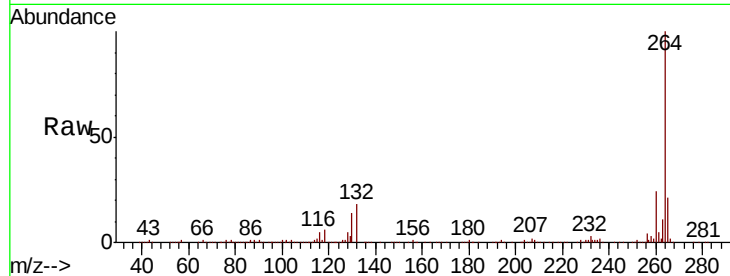
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.03 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.0
265	21.2	17.1	25.7

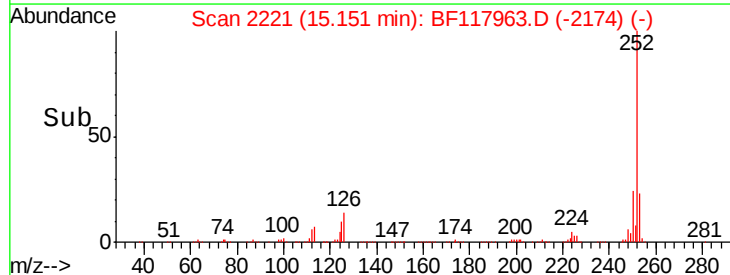
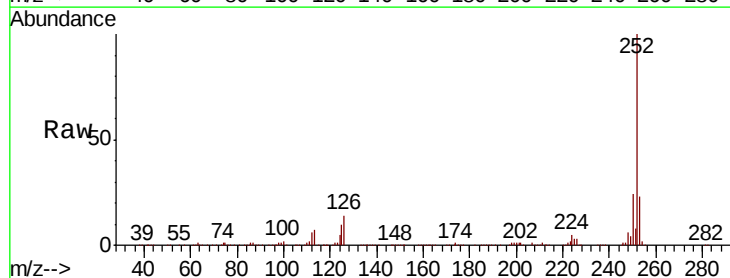
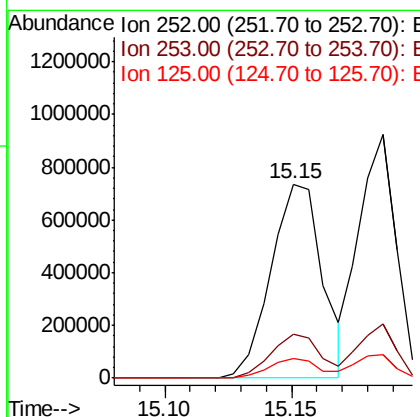
Manual Integrations
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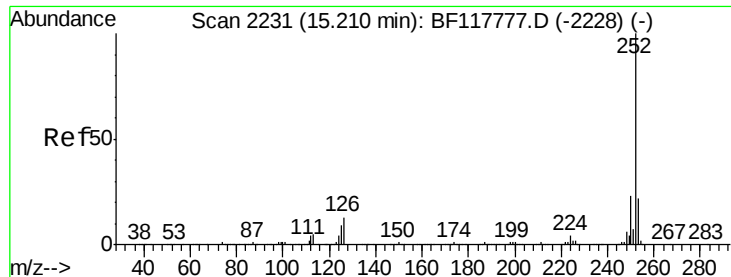
mohammad
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#88
Benzo(b)fluoranthene
Concen: 42.997 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.4	8.6	13.0





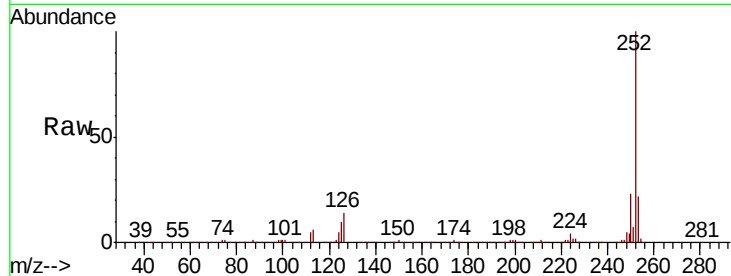
#89
Benzo(k)fluoranthene
Concen: 41.346 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.7	7.9	11.9

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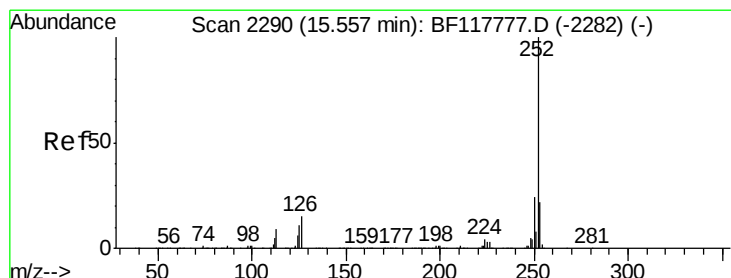
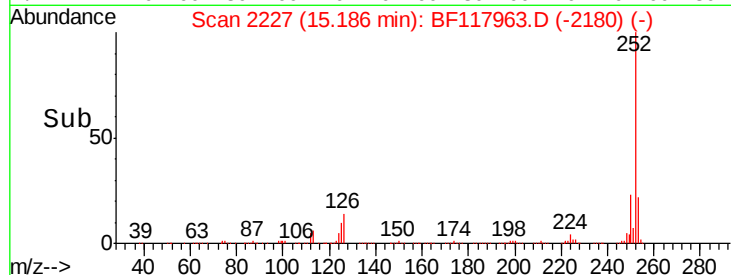
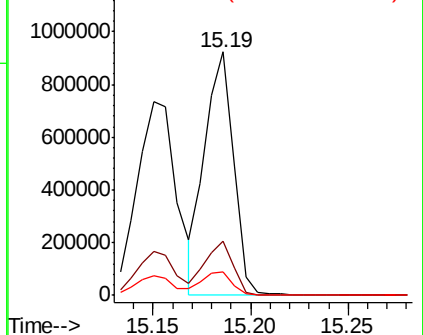


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 41.516 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.02 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

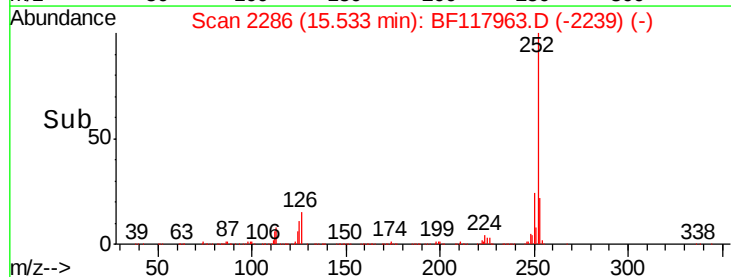
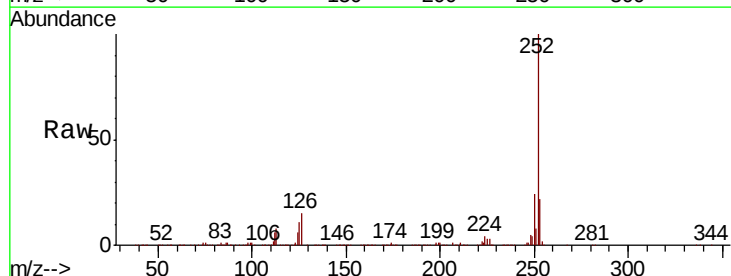
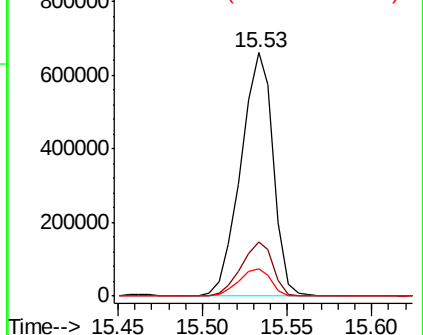
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.4	9.2	13.8

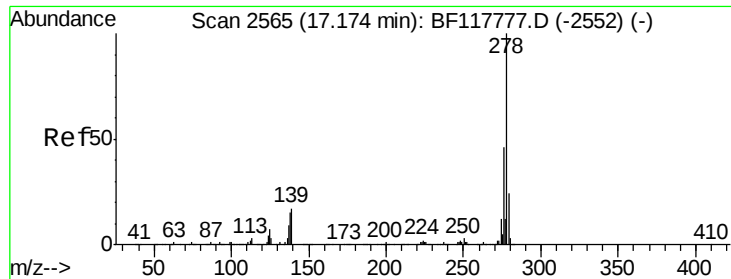
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





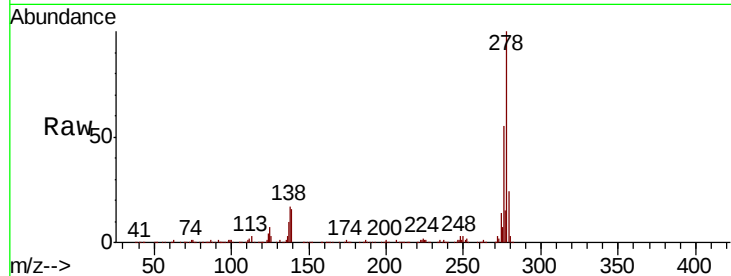
#91
Dibenzo(a,h)anthracene
Concen: 43.258 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.04 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Instrument :
BNA_F
ClientSampleId :
IRONBOUND-4FTMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.8	20.8
279	23.5	19.6	29.4

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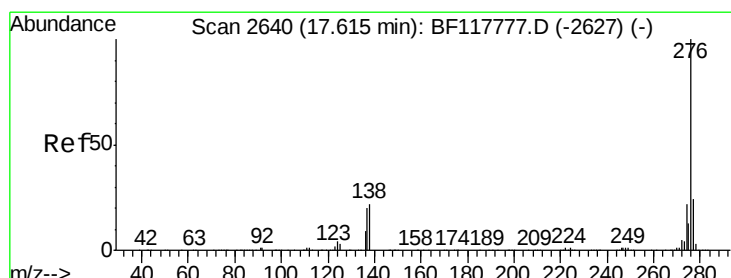
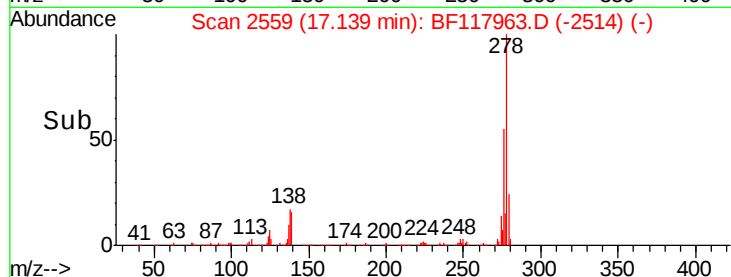
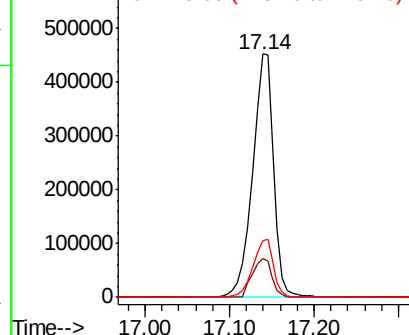


Abundance

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: 43.624 ng
RT: 17.59 min Scan# 2635
Delta R.T. -0.03 min
Lab File: BF117963.D
Acq: 23 Nov 2019 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.9	28.3
138	21.3	17.4	26.2

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

