

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
 Data File : BF120872.D
 Acq On : 15 Jul 2020 14:42
 Operator : JU/CG
 Sample : L3289-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Manual Integrations
 APPROVED

mohammad
 7/16/2020 11:05:01 AM

Quant Time: Jul 15 16:05:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	189314	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	748321	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	387633	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	731572	20.00	ng	0.00
76) Chrysene-d12	14.00	240	552576	20.00	ng	0.00
86) Perylene-d12	15.45	264	533770	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	805948	65.72	ng	0.00
7) Phenol-d6	6.46	99	1010621	64.53	ng	0.00
23) Nitrobenzene-d5	7.39	82	624941	48.39	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	300476	77.16	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1208053	47.15	ng	0.00
79) Terphenyl-d14	12.95	244	1228822	43.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.62	88	213420	38.096	ng	97
3) Pyridine	3.37	79	588761	38.368	ng	98
4) n-Nitrosodimethylamine	3.32	42	270102	35.185	ng	# 80
6) Aniline	6.49	93	596869	29.674	ng	98
8) 2-Chlorophenol	6.62	128	561214	42.981	ng	96
9) Benzaldehyde	6.38	77	159995	17.177	ng	91
10) Phenol	6.47	94	657400m	40.804	ng	
11) bis(2-Chloroethyl)ether	6.57	93	520191	39.678	ng	97
12) 1,3-Dichlorobenzene	6.77	146	564498	39.278	ng	97
13) 1,4-Dichlorobenzene	6.85	146	567653	39.435	ng	99
14) 1,2-Dichlorobenzene	7.00	146	543642	39.696	ng	98
15) Benzyl Alcohol	6.97	79	433862	36.870	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.11	45	734150	35.901	ng	98
17) 2-Methylphenol	7.09	107	441593	37.805	ng	97
18) Hexachloroethane	7.35	117	211957	39.176	ng	96
19) n-Nitroso-di-n-propylamine	7.25	70	335057	35.531	ng	95
20) 3+4-Methylphenols	7.24	107	489480	34.023	ng	# 82
22) Acetophenone	7.25	105	647623	34.818	ng	96
24) Nitrobenzene	7.42	77	562710	38.802	ng	92
25) Isophorone	7.66	82	1013827	36.397	ng	100
26) 2-Nitrophenol	7.73	139	292552	47.987	ng	# 83
27) 2,4-Dimethylphenol	7.77	122	459822	41.354	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	641433	38.909	ng	99
29) 2,4-Dichlorophenol	7.97	162	447000	40.269	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	480774	38.561	ng	99
31) Naphthalene	8.14	128	1499534	37.496	ng	100
32) Benzoic acid	7.89	122	341862	43.879	ng	92
33) 4-Chloroaniline	8.18	127	338986	19.975	ng	97
34) Hexachlorobutadiene	8.26	225	276673	36.898	ng	99
35) Caprolactam	8.56	113	141686m	43.805	ng	
36) 4-Chloro-3-methylphenol	8.67	107	464017	40.186	ng	93
37) 2-Methylnaphthalene	8.83	142	1009658	38.837	ng	99
38) 1-Methylnaphthalene	8.93	142	968162	39.757	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	434564	37.094	ng	99

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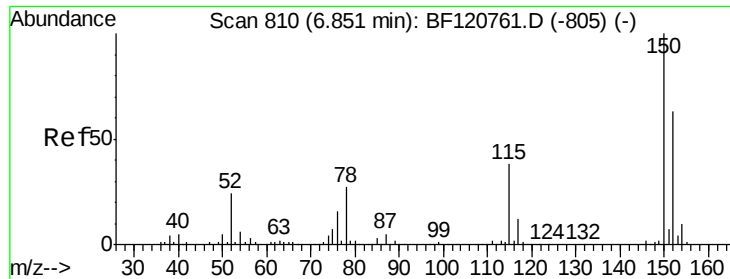
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
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 QLast Update : Mon Jul 13 14:16:14 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	490787	70.905	nq	98
43) 2,4,6-Trichlorophenol	9.11	196	326215	40.864	nq	98
44) 2,4,5-Trichlorophenol	9.15	196	341943	38.597	nq	96
46) 1,1'-Biphenyl	9.29	154	1171828	37.477	nq	100
47) 2-Chloronaphthalene	9.32	162	934937	37.324	nq	96
48) 2-Nitroaniline	9.42	65	295415	39.856	nq	# 84
49) Acenaphthylene	9.73	152	1483810	37.782	nq	99
50) Dimethylphthalate	9.60	163	1281041	45.303	nq	99
51) 2,6-Dinitrotoluene	9.66	165	247716	44.265	nq	# 81
52) Acenaphthene	9.91	154	1001153	41.092	nq	100
53) 3-Nitroaniline	9.82	138	178903	26.949	nq	# 94
54) 2,4-Dinitrophenol	9.93	184	217131	96.039	nq	92
55) Dibenzofuran	10.08	168	1322784	37.666	nq	97
56) 4-Nitrophenol	9.99	139	452904	87.144	nq	89
57) 2,4-Dinitrotoluene	10.06	165	332074	47.474	nq	# 73
58) Fluorene	10.42	166	943772	36.104	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	289787	43.956	nq	97
60) Diethylphthalate	10.30	149	1081363	36.711	nq	98
61) 4-Chlorophenyl-phenylether	10.41	204	457630	34.825	nq	98
62) 4-Nitroaniline	10.44	138	268899	44.757	nq	87
63) Azobenzene	10.57	77	1039658	34.503	nq	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	159426	51.264	nq	# 67
66) n-Nitrosodiphenylamine	10.53	169	916336	37.370	nq	99
67) 4-Bromophenyl-phenylether	10.90	248	310918	36.638	nq	98
68) Hexachlorobenzene	10.97	284	352824	39.621	nq	# 90
69) Atrazine	11.06	200	269696	42.693	nq	99
70) Pentachlorophenol	11.16	266	395802	78.559	nq	99
71) Phenanthrene	11.38	178	1442564	36.342	nq	100
72) Anthracene	11.43	178	1507675	37.587	nq	99
73) Carbazole	11.59	167	1432518	37.164	nq	99
74) Di-n-butylphthalate	11.92	149	1685421	35.317	nq	100
75) Fluoranthene	12.57	202	1627625	38.492	nq	99
77) Benzdine	12.69	184	691506	44.336	nq	99
78) Pyrene	12.80	202	1659651	37.607	nq	100
80) Butylbenzylphthalate	13.42	149	736150	38.636	nq	97
81) Benzo(a)anthracene	13.99	228	1280548	36.152	nq	99
82) 3,3'-Dichlorobenzidine	13.95	252	383458	32.079	nq	99
83) Chrysene	14.03	228	1377221	38.118	nq	99
84) Bis(2-ethylhexyl)phthalate	13.98	149	856170	34.267	nq	# 98
85) Di-n-octyl phthalate	14.59	149	1700817	38.478	nq	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	1393580	40.704	nq	100
88) Benzo(b)fluoranthene	15.03	252	1378243	39.276	nq	100
89) Benzo(k)fluoranthene	15.06	252	1306798	38.271	nq	98
90) Benzo(a)pyrene	15.39	252	1206132	38.530	nq	98
91) Dibenzo(a,h)anthracene	16.92	278	1163229	40.765	nq	99
92) Benzo(g,h,i)perylene	17.34	276	1119185	42.915	nq	99

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



#1

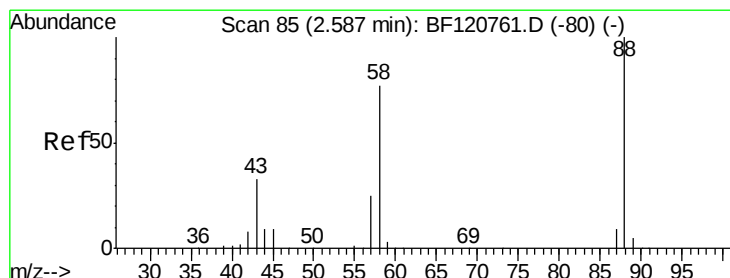
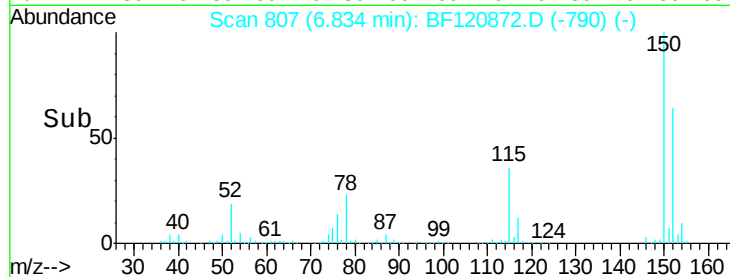
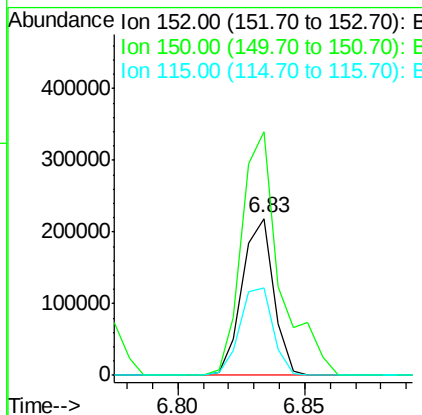
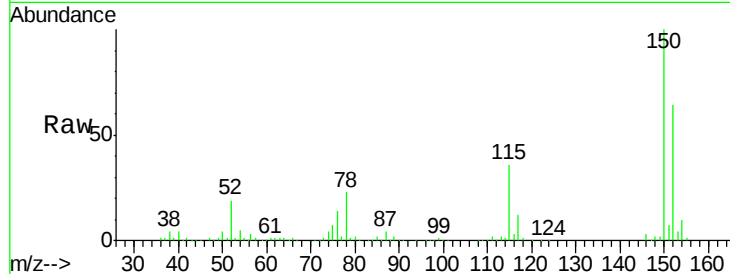
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.1	189.1
115	55.9	48.5	72.7

Manual Integrations
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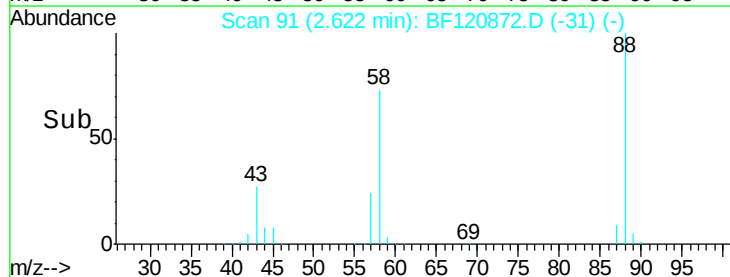
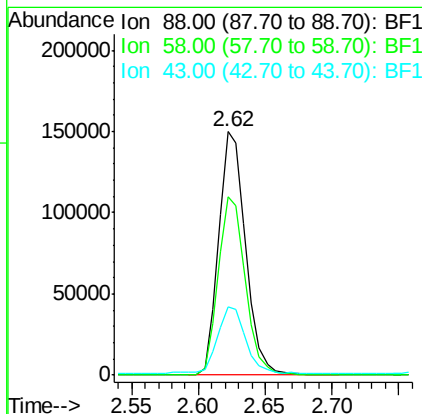
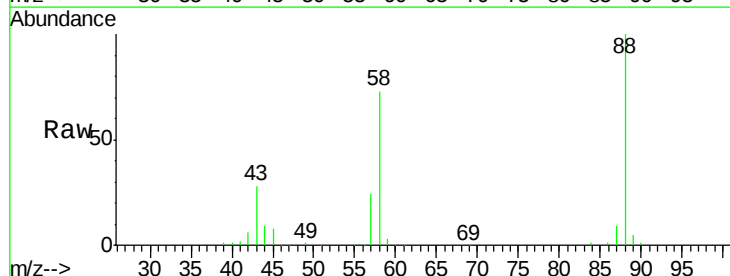
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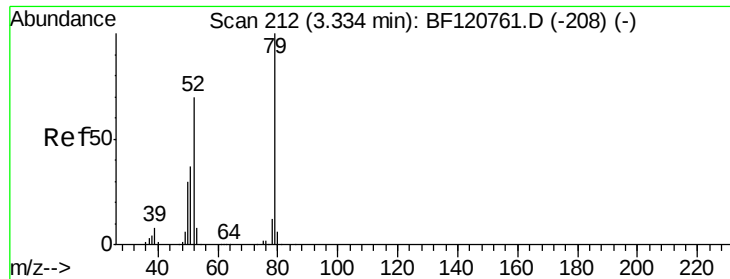


#2

1,4-Dioxane
Concen: 38.096 ng
RT: 2.62 min Scan# 91
Delta R.T. 0.05 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.3	60.4	90.6
43	28.3	26.3	39.5





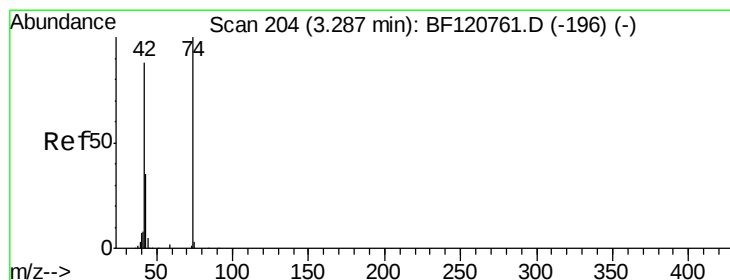
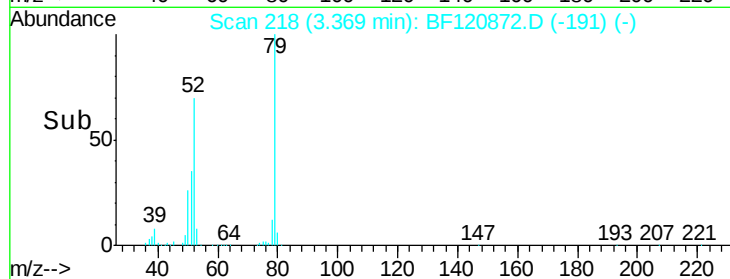
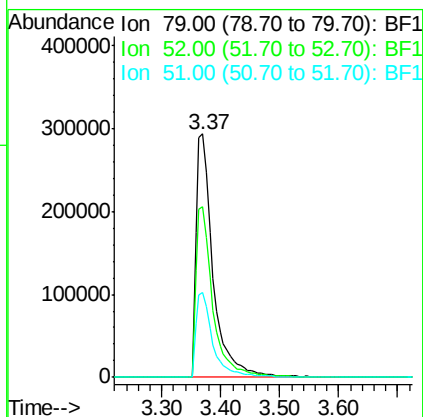
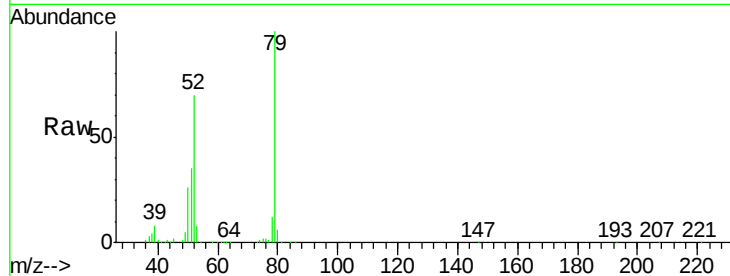
#3
 Pvridine
 Concen: 38.368 ng
 RT: 3.37 min Scan# 218
 Delta R.T. 0.06 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion:	79	Resp:	588761
Ion Ratio	Lower	Upper	
79	100		
52	69.9	56.3	84.5
51	34.9	30.1	45.1

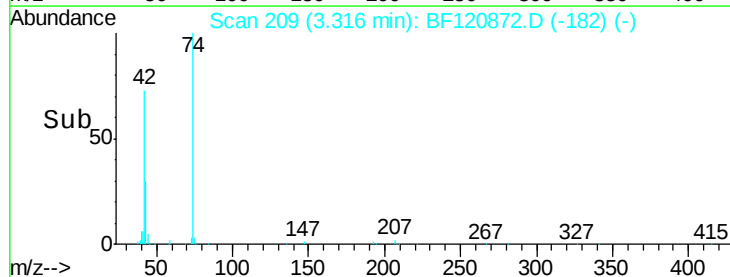
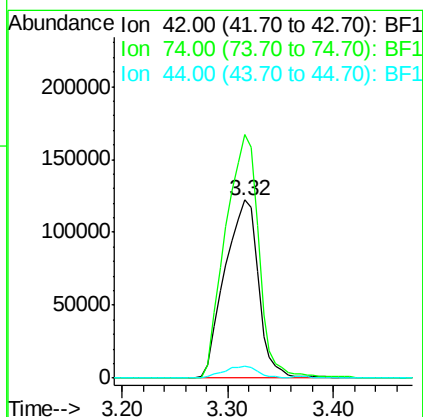
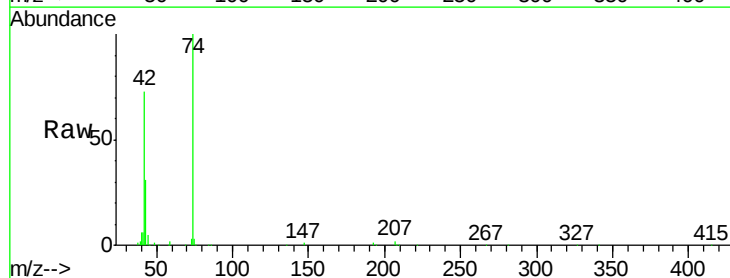
Manual Integrations
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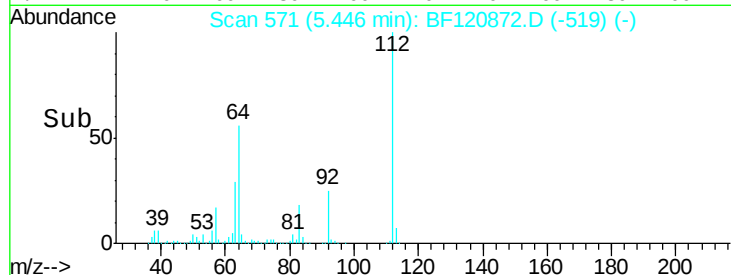
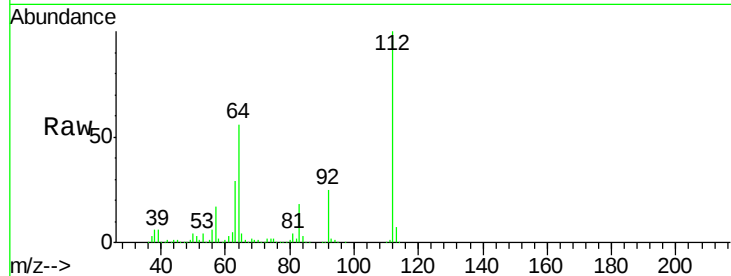
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#4
 n-Nitrosodimethylamine
 Concen: 35.185 ng
 RT: 3.32 min Scan# 209
 Delta R.T. 0.06 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion:	42	Resp:	270102
Ion Ratio	Lower	Upper	
42	100		
74	136.8	90.8	136.2#
44	6.8	5.8	8.8





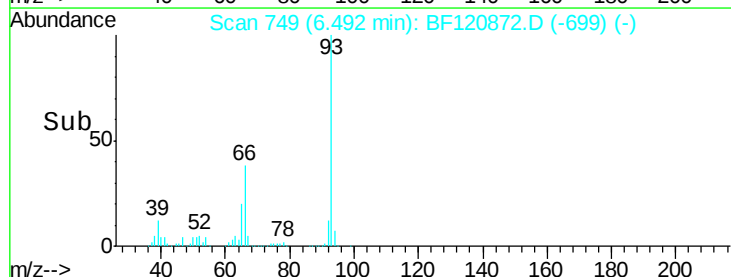
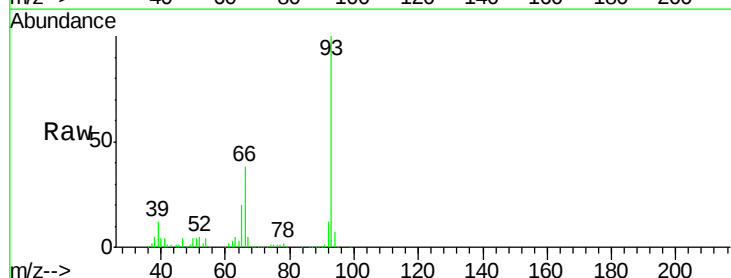
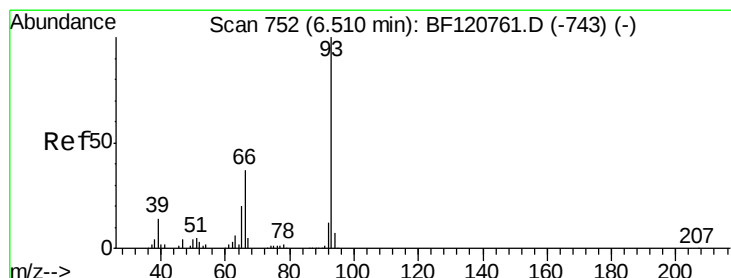
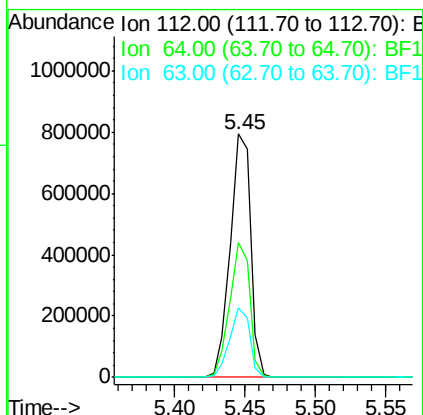
#5
2-Fluorophenol
Concen: 65.716 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tot Ion	Ratio	Resp	Lower	Upper
112	100	805948		
64	55.6	43.8	65.6	
63	28.7	23.6	35.4	

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

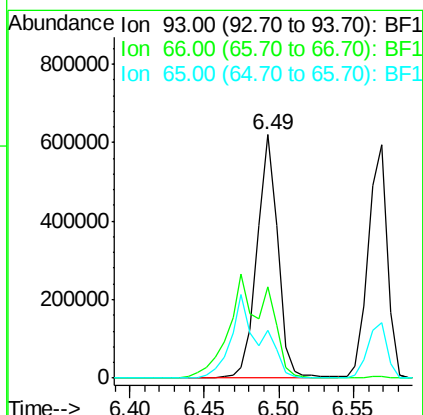
Manual Integrations
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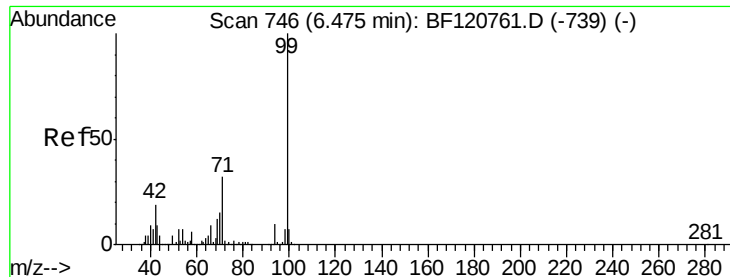
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#6
Aniline
Concen: 29.674 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	596869		
66	37.5	31.3	46.9	
65	19.9	16.5	24.7	





#7

Phenol-d6

Concen: 64.528 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

ClientSampleId :

IRON-1MS

Tot Ion: 99 Resp: 1010621

Ion Ratio Lower Upper

99 100

42 17.0 15.4 23.0

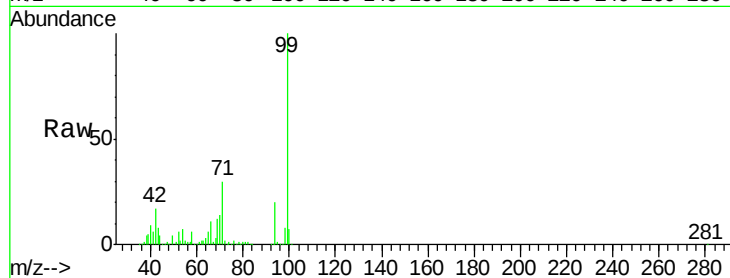
71 30.3 25.9 38.9

Manual Integrations

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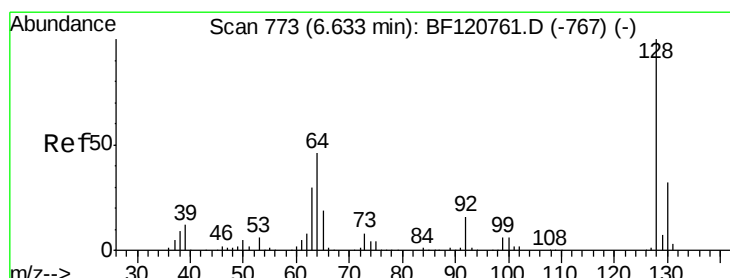
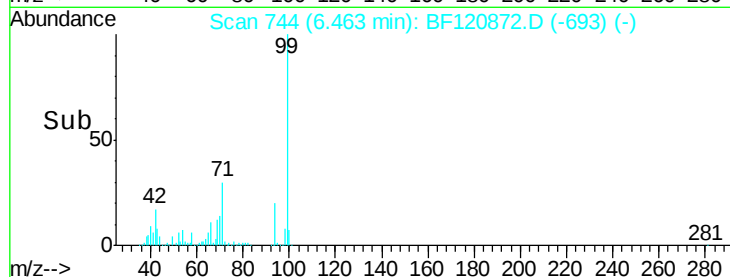
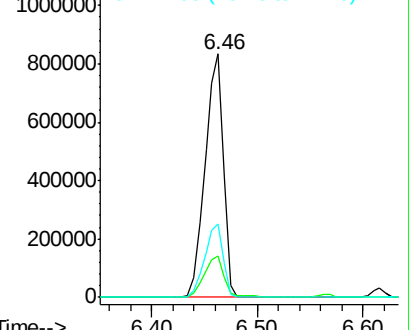
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.981 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

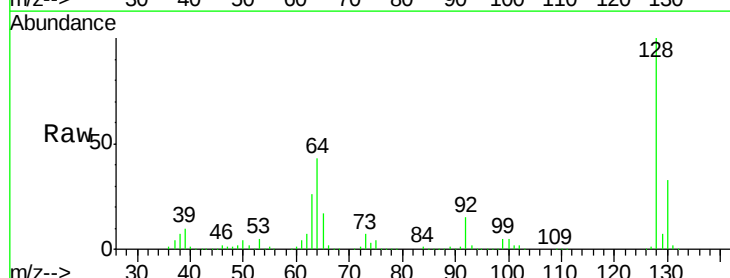
Tgt Ion: 128 Resp: 561214

Ion Ratio Lower Upper

128 100

130 32.7 12.1 52.1

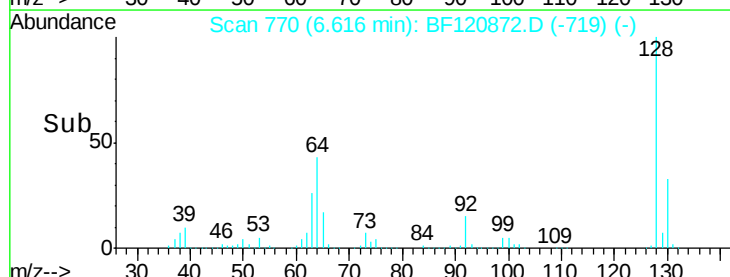
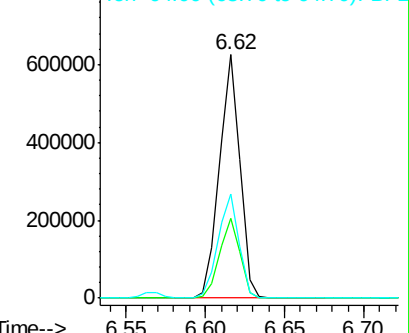
64 42.7 26.3 66.3

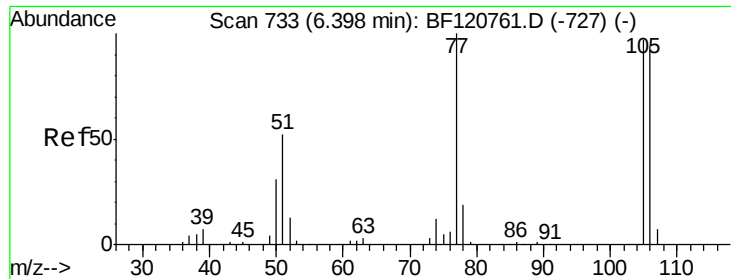


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 17.177 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

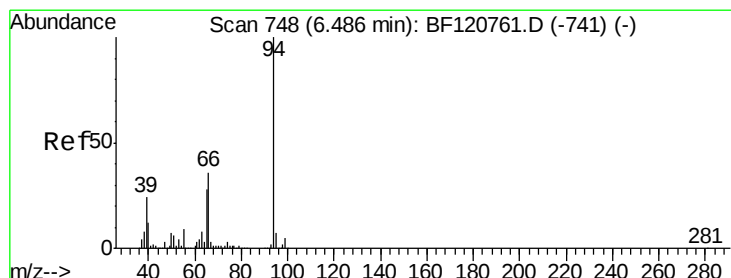
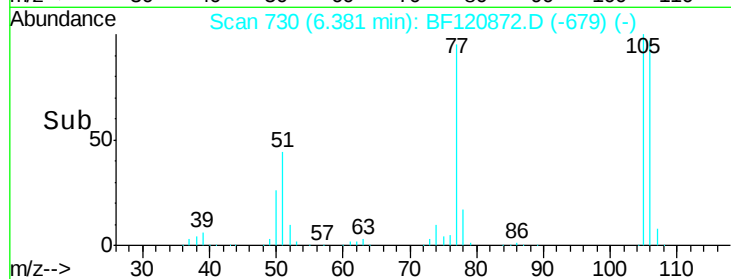
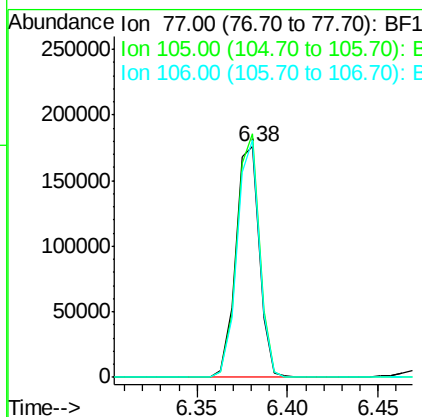
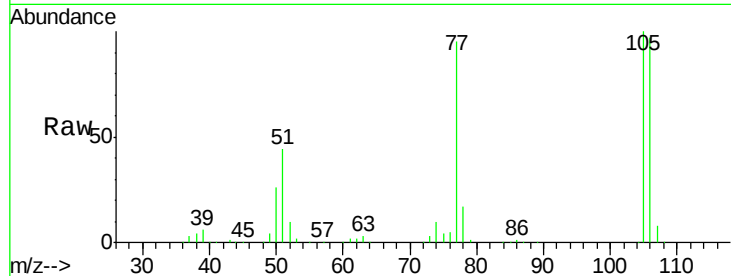
ClientSampleID :

IRON-1MS

Tot Ion:	77	Resp:	159995
Ion	Ratio	Lower	Upper
77	100		
105	105.7	76.8	116.8
106	102.8	73.8	113.8

Manual Integrations
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#10

Phenol

Concen: 40.804 ng m

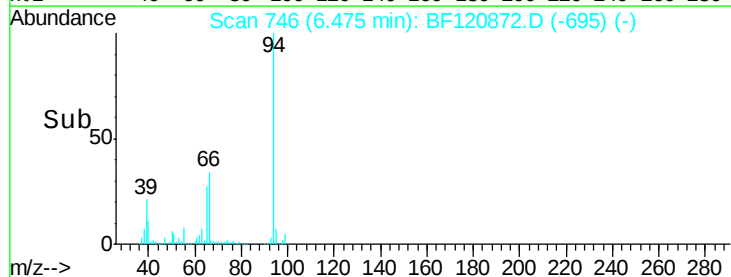
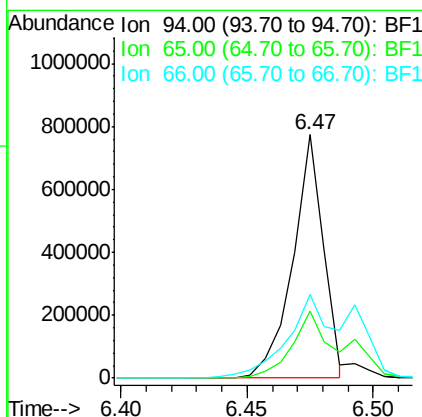
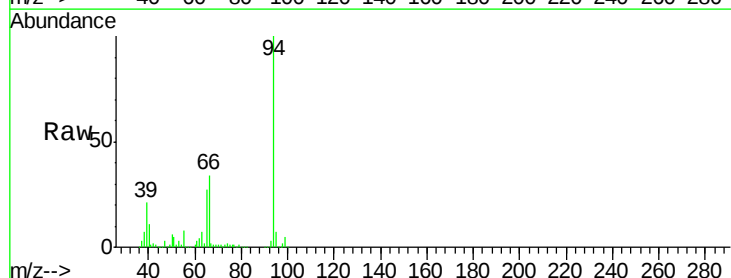
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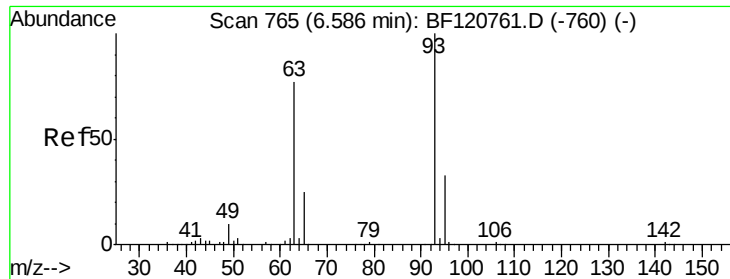
Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Tgt Ion:	94	Resp:	657400
Ion	Ratio	Lower	Upper
94	100		
65	27.4	8.4	48.4
66	34.1	16.5	56.5





#11

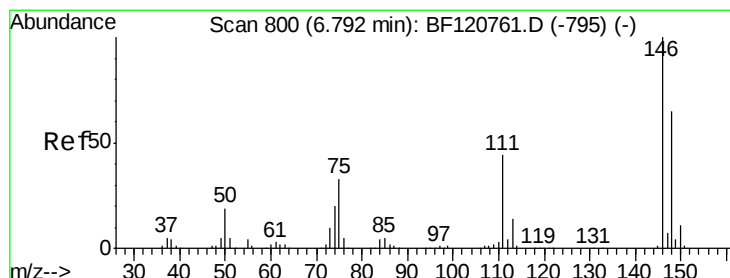
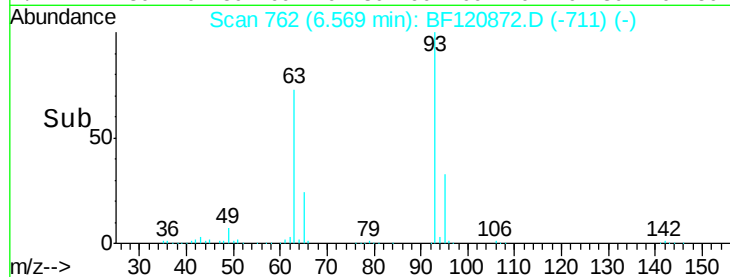
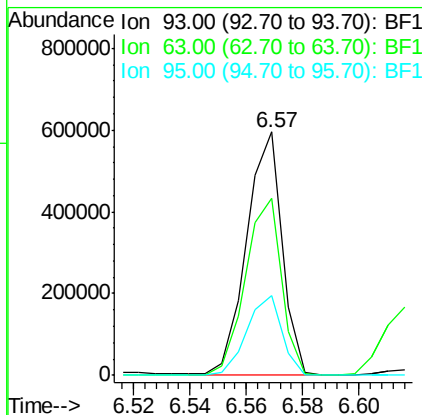
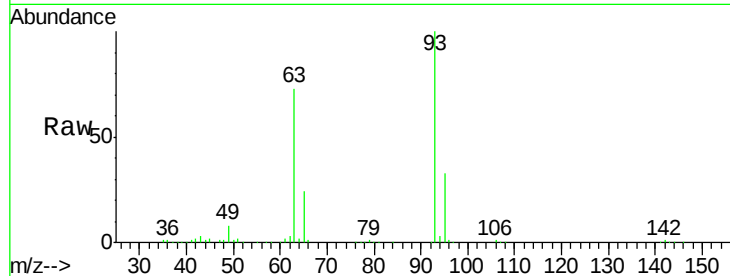
bis(2-Chloroethyl)ether
Concen: 39.678 ng
RT: 6.57 min Scan# 762
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion:	93	Resp:	520191
Ion Ratio	Lower	Upper	
93	100		
63	72.9	56.9	96.9
95	33.0	13.3	53.3

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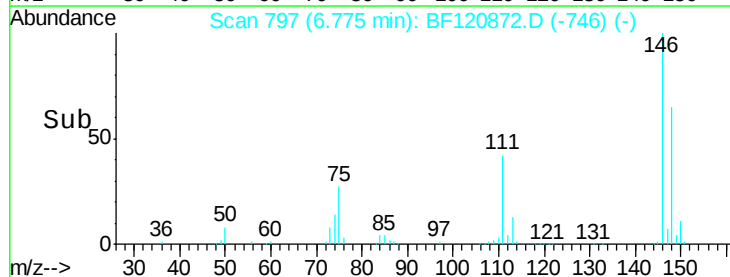
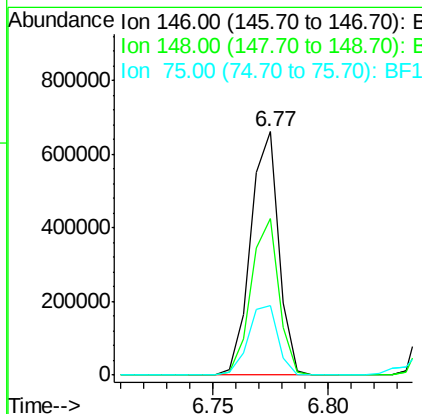
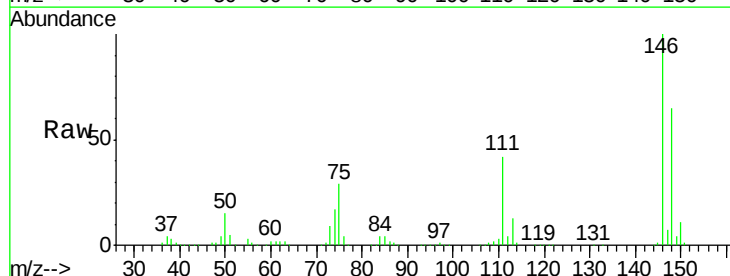
mohammad
7/16/2020 11:05:01 AM

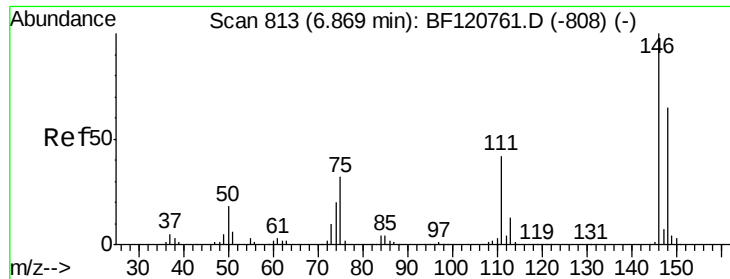


#12

1,3-Dichlorobenzene
Concen: 39.278 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion:	146	Resp:	564498
Ion Ratio	Lower	Upper	
146	100		
148	64.5	52.1	78.1
75	28.7	26.0	39.0





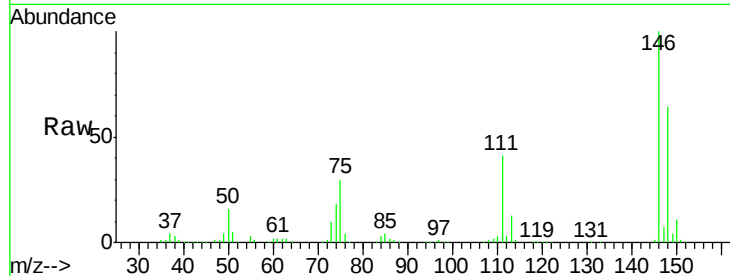
#13
1,4-Dichlorobenzene
Concen: 39.435 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
111	40.8	33.7	50.5

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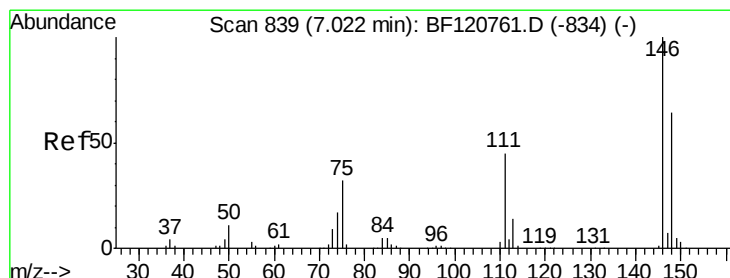
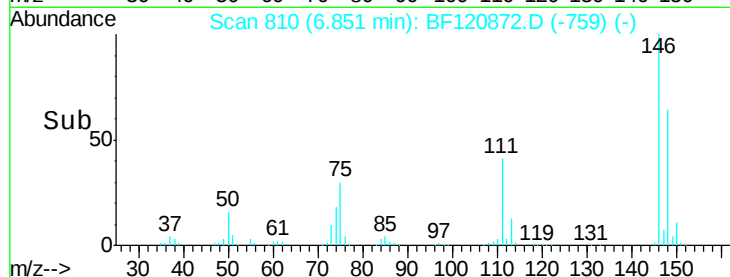
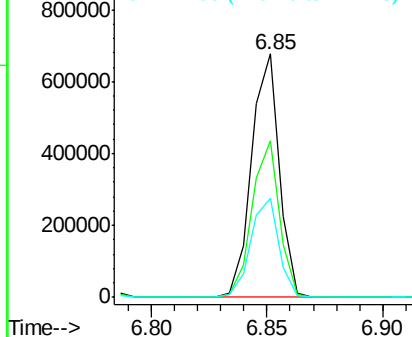


Abundance

Ion 146.00 (145.70 to 146.70): E

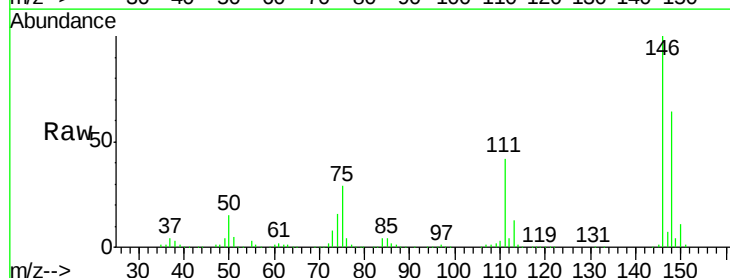
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
1,2-Dichlorobenzene
Concen: 39.696 ng
RT: 7.00 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	41.9	35.7	53.5

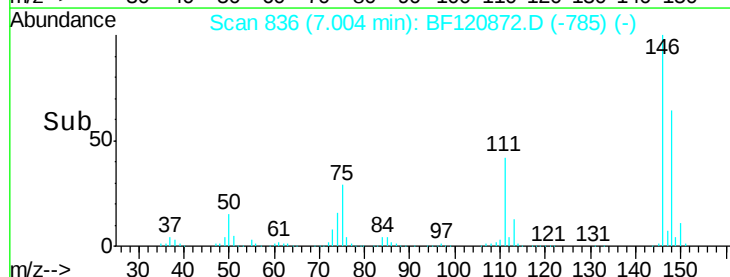
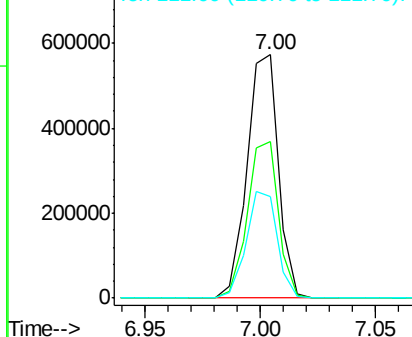


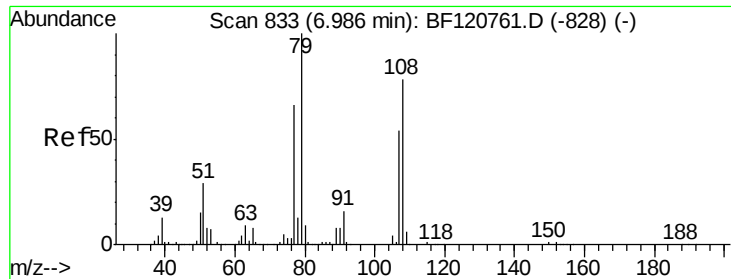
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 36.870 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

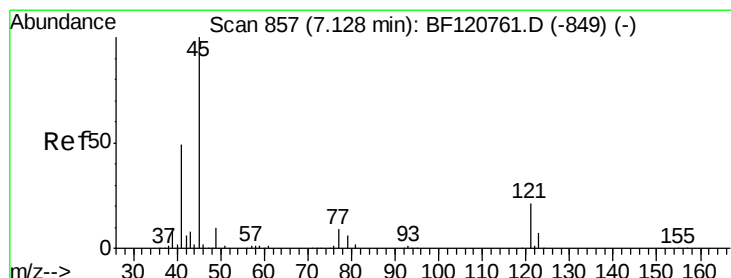
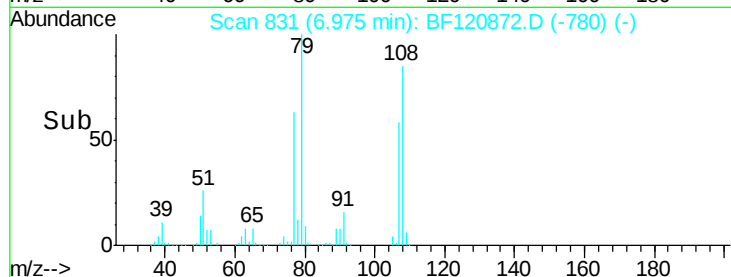
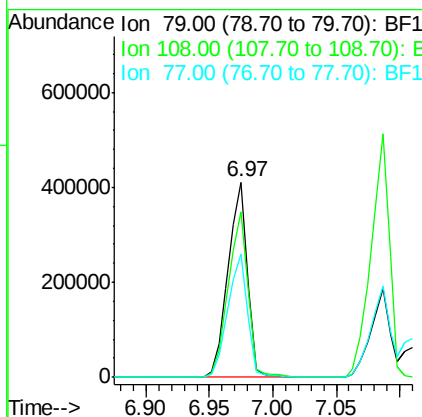
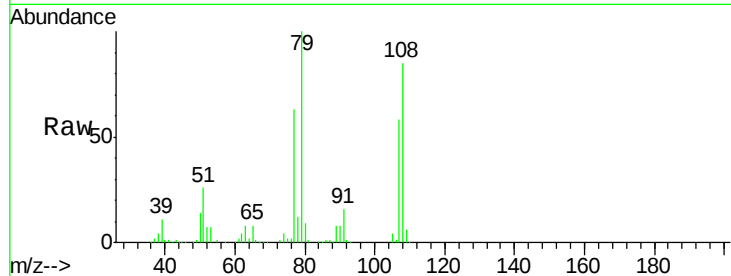
ClientSampleId :

IRON-1MS

Tot Ion:	79	Resp:	433862
Ion	Ratio	Lower	Upper
79	100		
108	84.7	62.4	93.6
77	63.0	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.901 ng

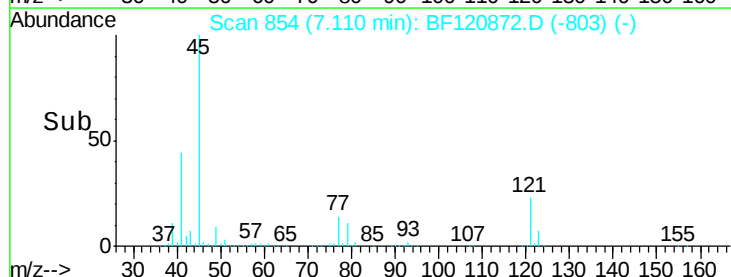
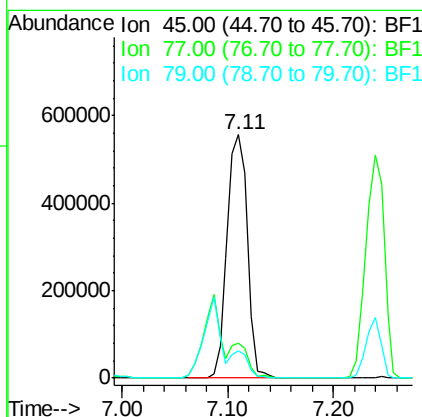
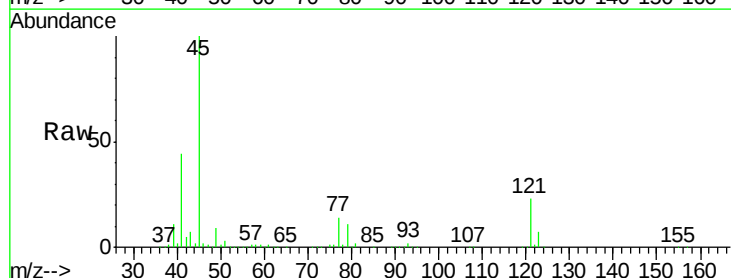
RT: 7.11 min Scan# 854

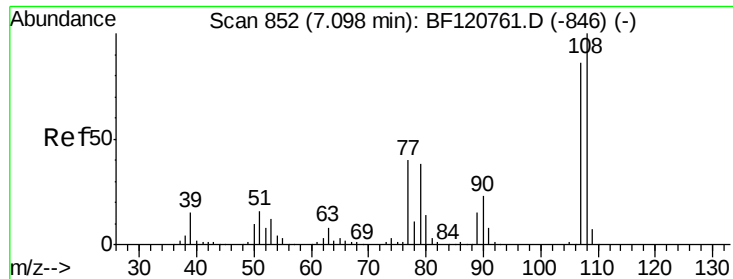
Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Tgt Ion:	45	Resp:	734150
Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.7
79	11.2	0.0	30.5





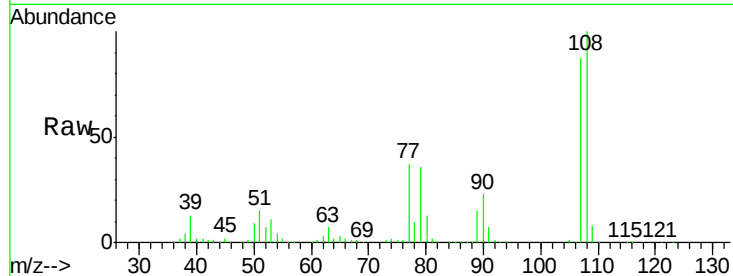
#17
2-Methylphenol
Concen: 37.805 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

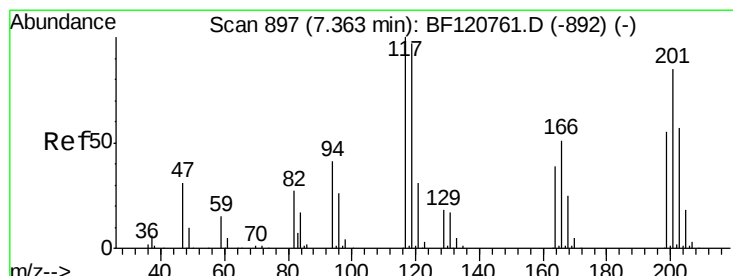
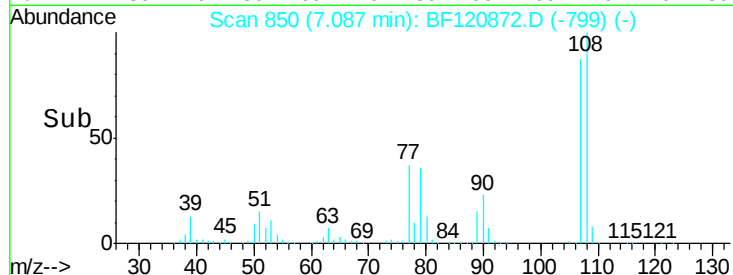
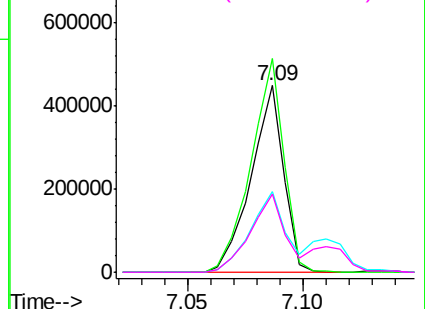
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.6	93.1	139.7	
77	43.0	37.3	55.9	
79	41.7	35.3	52.9	

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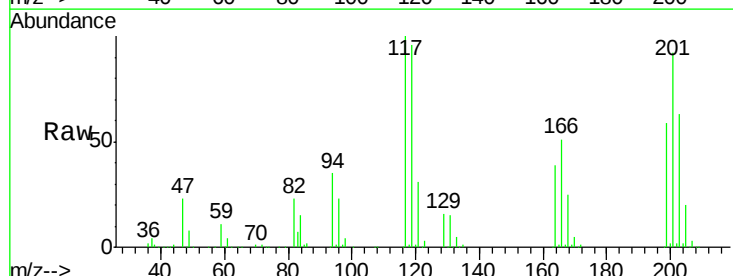


Abundance Ion 107.00 (106.70 to 107.70): E
800000
Ion 108.00 (107.70 to 108.70): E
600000
Ion 77.00 (76.70 to 77.70): BF1
400000
Ion 79.00 (78.70 to 79.70): BF1
200000
0

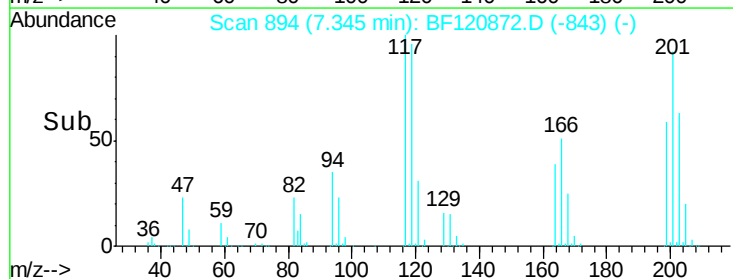
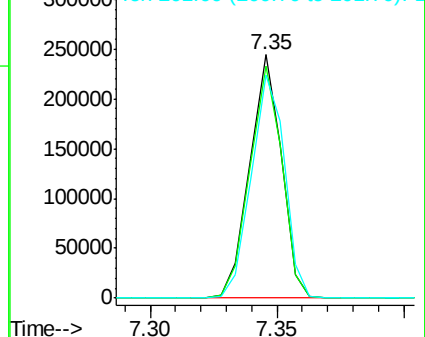


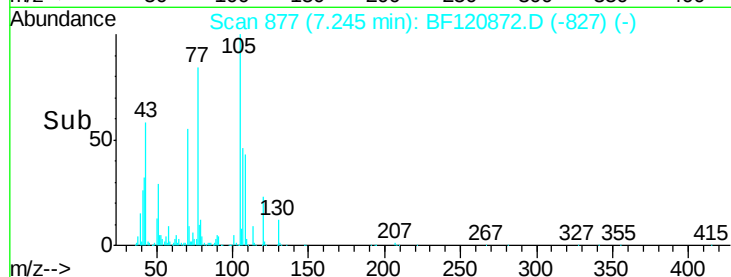
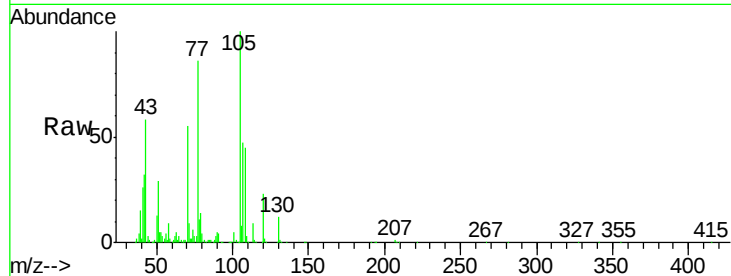
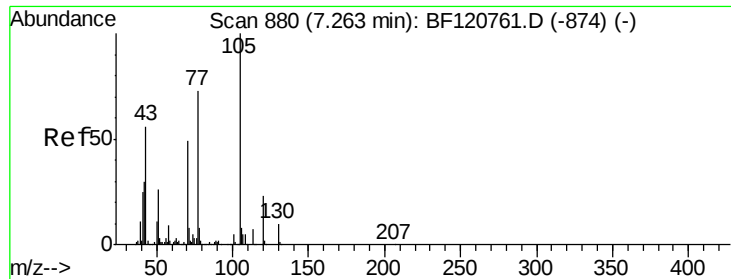
#18
Hexachloroethane
Concen: 39.176 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	77.9	116.9	
201	91.6	68.3	102.5	



Abundance Ion 117.00 (116.70 to 117.70): E
300000
Ion 119.00 (118.70 to 119.70): E
250000
Ion 201.00 (200.70 to 201.70): E
200000
150000
100000
50000
0





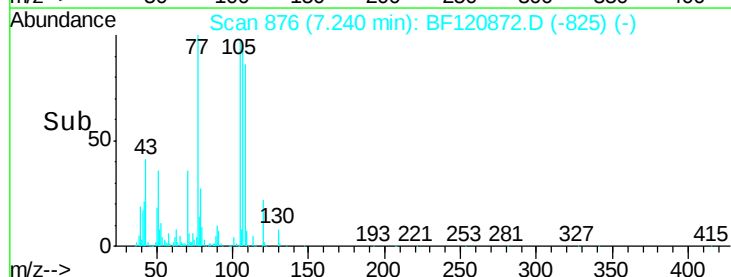
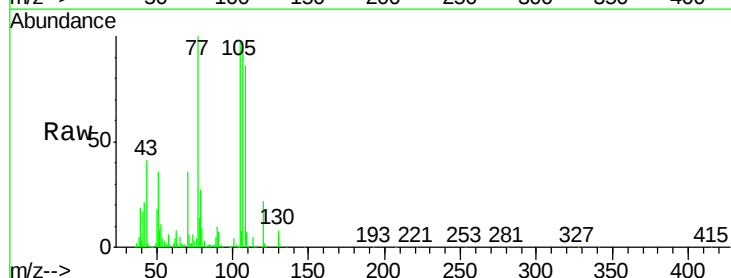
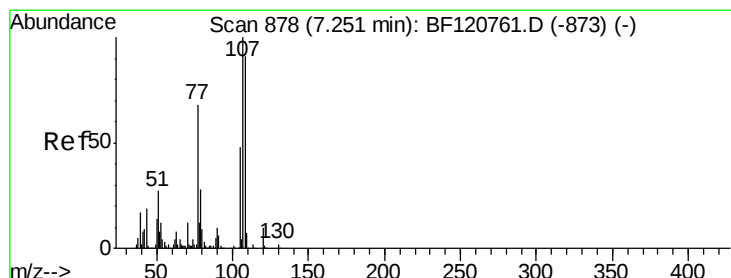
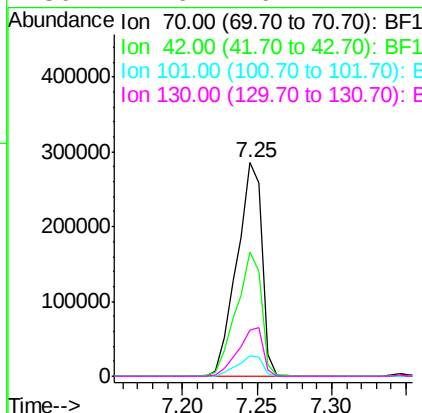
#19
n-Nitroso-di-n-propylamine
Concen: 35.531 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	57.9	50.3	75.5
101	9.7	7.5	11.3
130	21.6	16.1	24.1

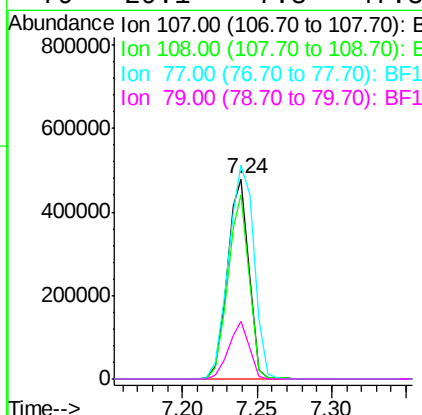
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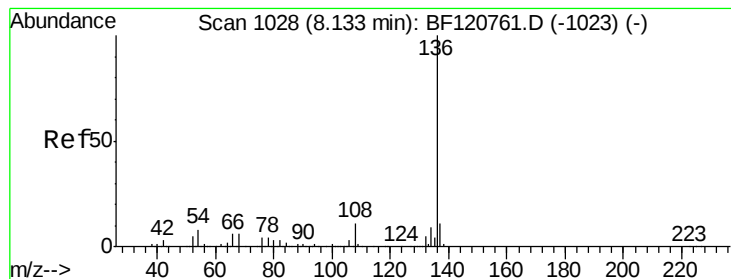
mohammad
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#20
3+4-Methylphenols
Concen: 34.023 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.1	70.9	110.9
77	106.7	48.3	88.3#
79	29.1	7.8	47.8





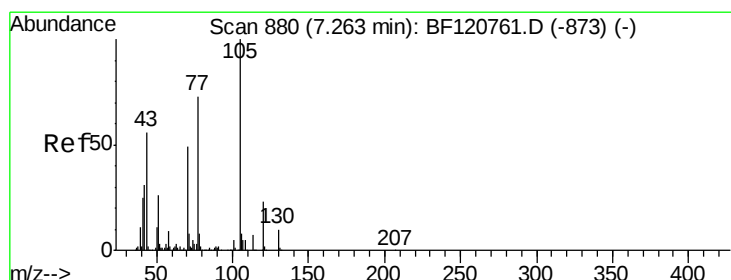
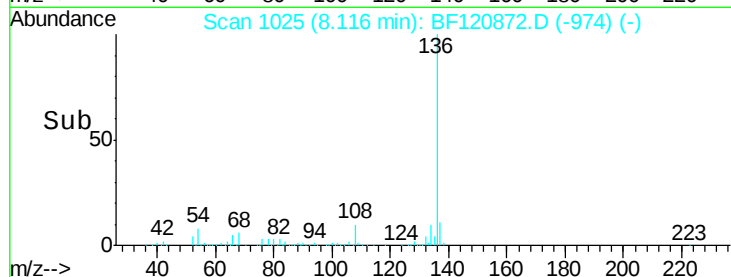
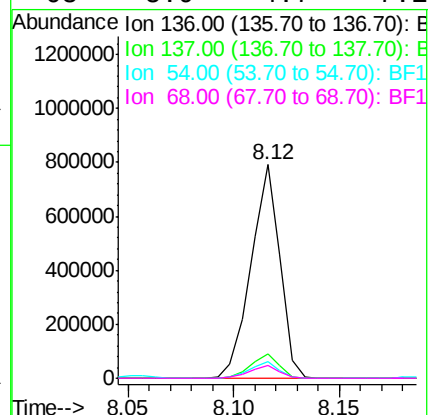
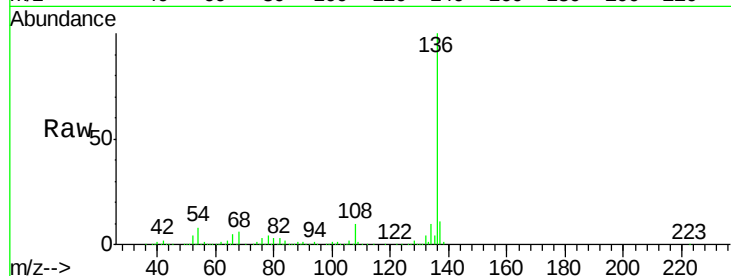
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	748321		
137	11.2	9.0	13.6	
54	7.6	6.2	9.4	
68	5.9	4.7	7.1	

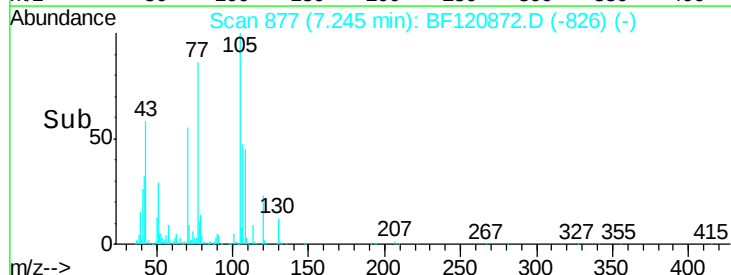
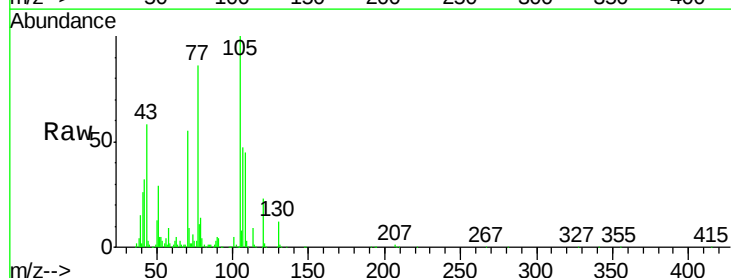
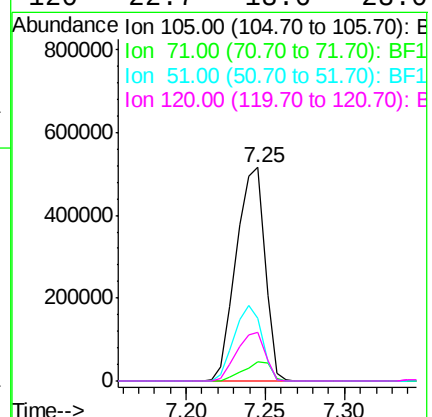
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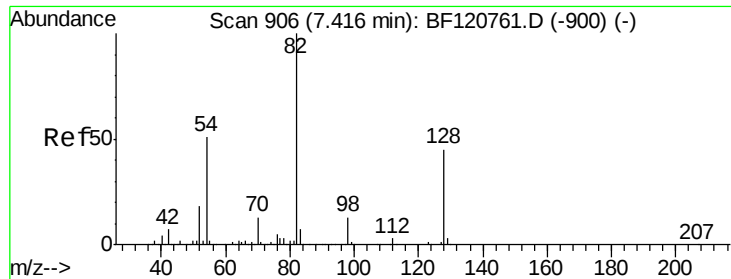
mohammad
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#22
Acetophenone
Concen: 34.818 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	647623		
71	8.9	6.5	9.7	
51	29.3	21.0	31.4	
120	22.7	18.6	28.0	





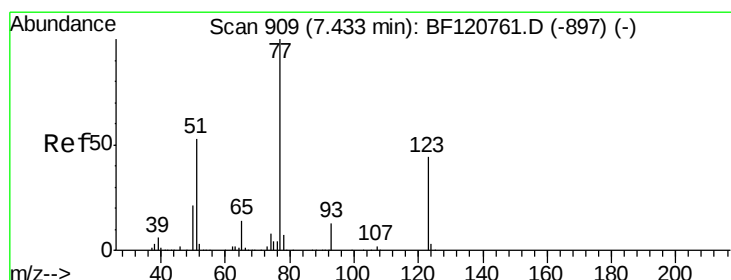
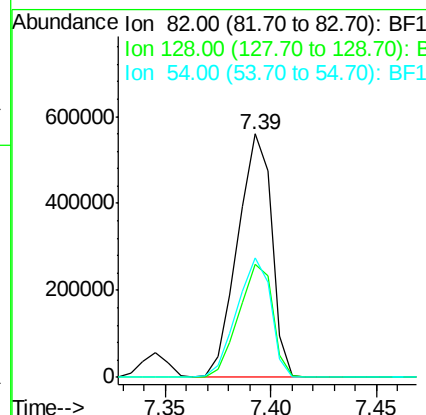
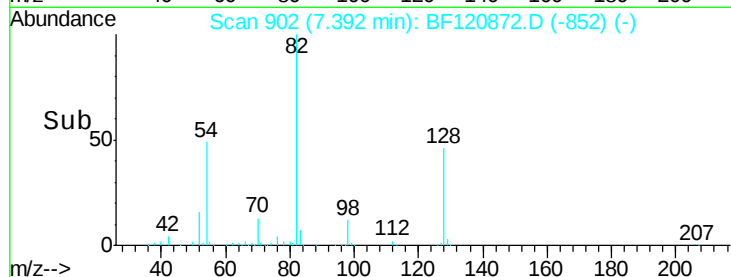
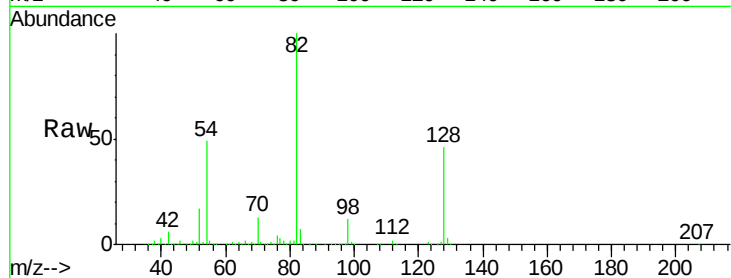
#23
 Nitrobenzene-d5
 Concen: 48.385 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.7	53.5
54	48.9	40.9	61.3

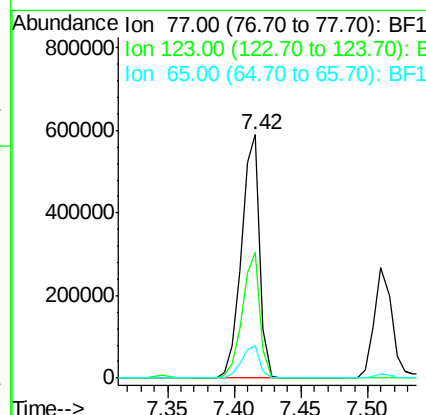
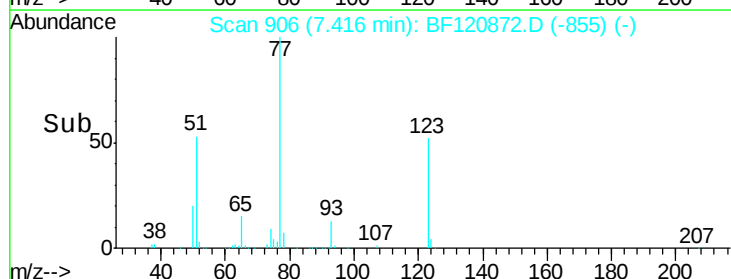
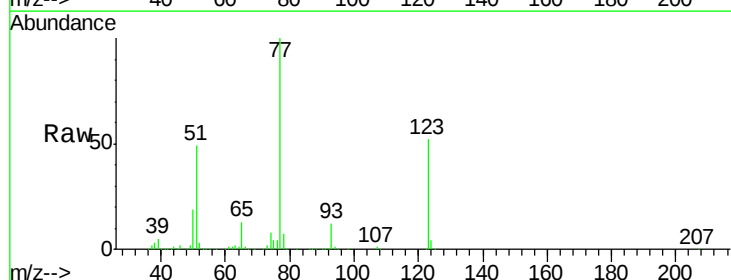
Manual Integrations
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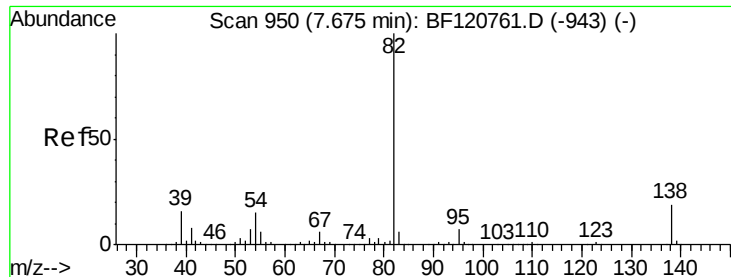
mohammad
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#24
 Nitrobenzene
 Concen: 38.802 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.6	36.1	54.1
65	13.4	11.0	16.4





#25

Isophorone

Concen: 36.397 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

ClientSampleId :

IRON-1MS

Tot Ion: 82 Resp: 1013827

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.2

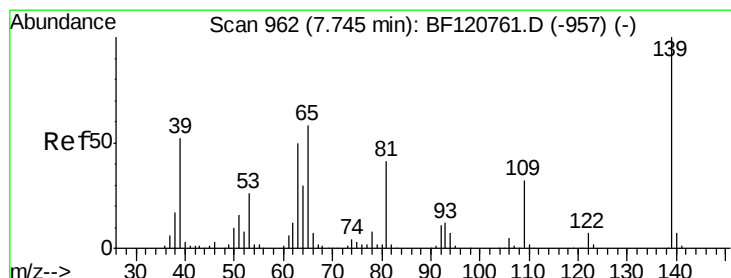
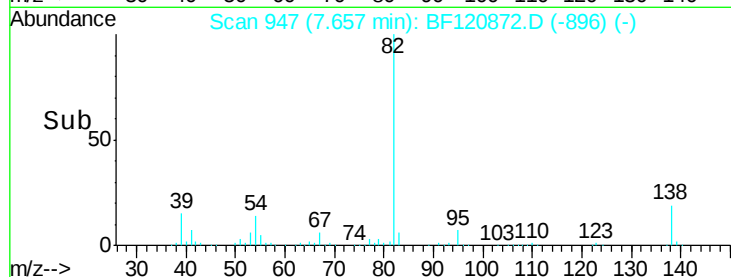
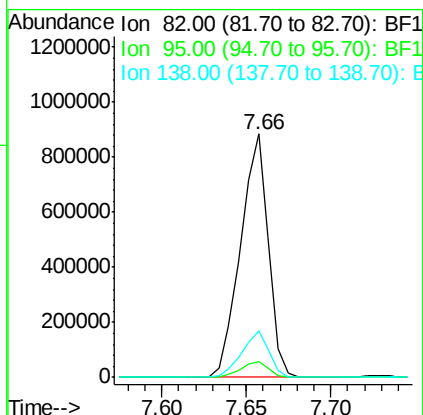
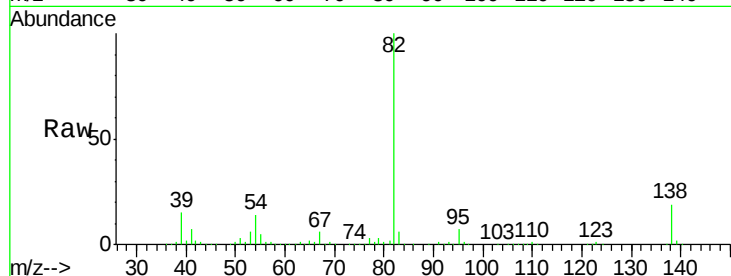
138 18.8 15.0 22.4

Manual Integrations

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#26

2-Nitrophenol

Concen: 47.987 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

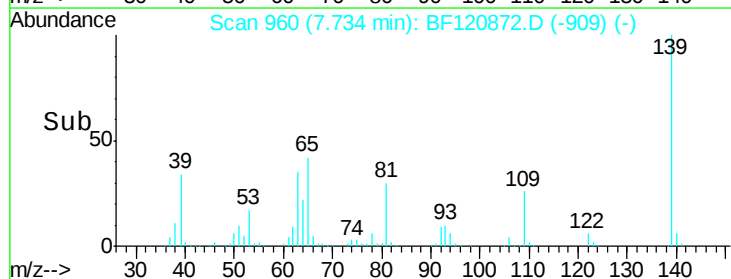
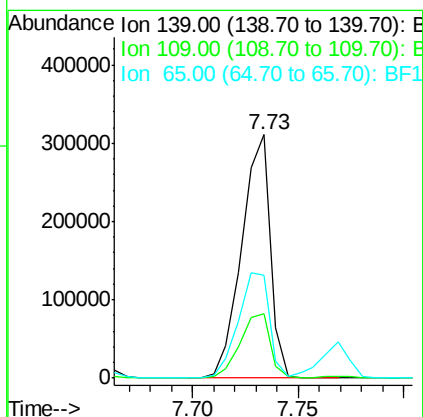
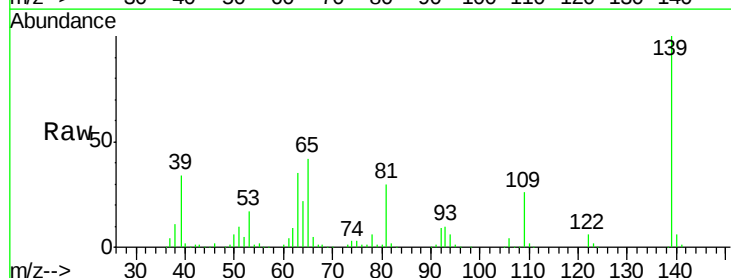
Tgt Ion: 139 Resp: 292552

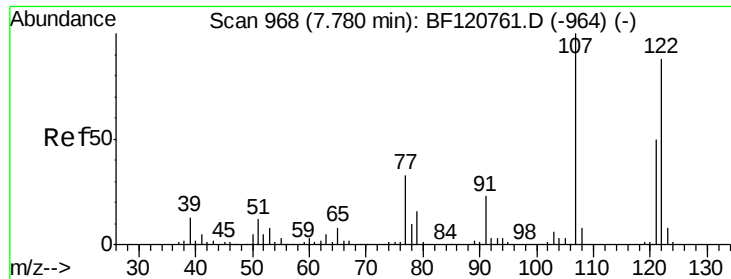
Ion Ratio Lower Upper

139 100

109 26.4 25.3 37.9

65 42.4 46.2 69.2#





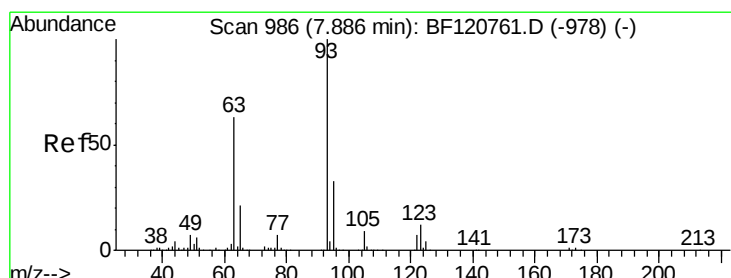
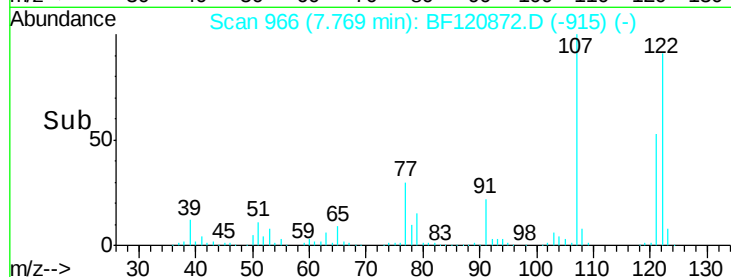
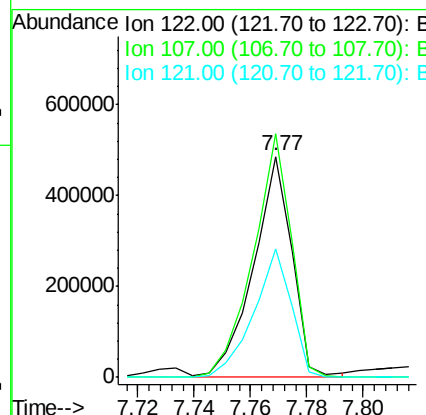
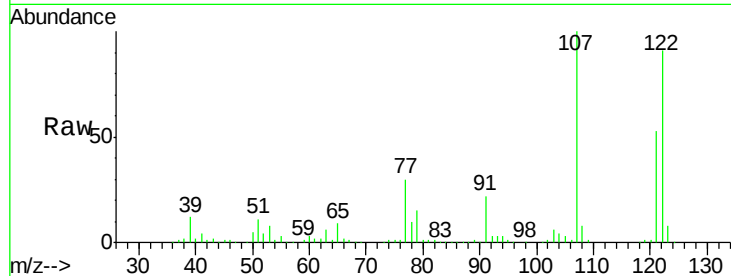
#27
2,4-Dimethylphenol
Concen: 41.354 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.4	90.7	136.1
121	58.0	45.4	68.0

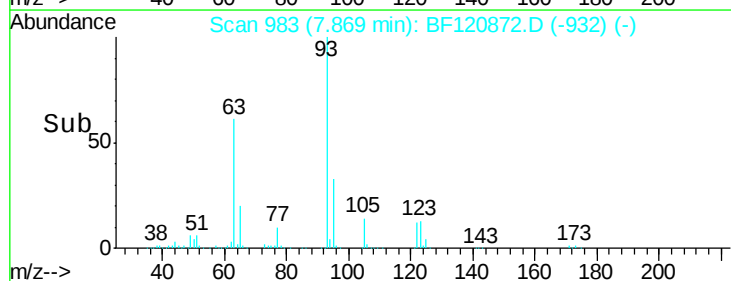
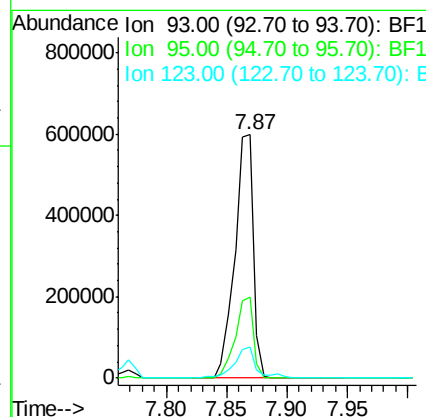
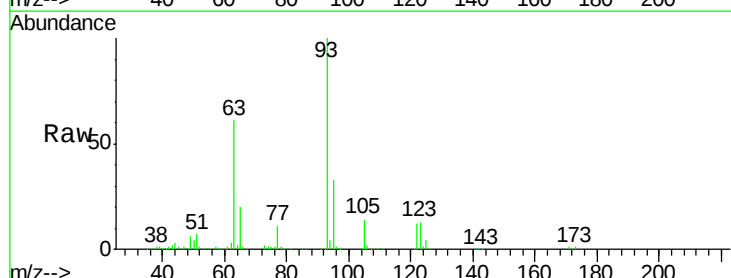
Manual Integrations
APPROVED

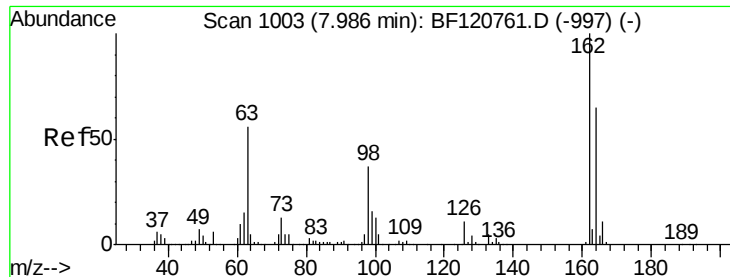
mohammad
7/16/2020 11:05:01 AM



#28
bis(2-Chloroethoxy)methane
Concen: 38.909 ng
RT: 7.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.4	39.6
123	13.0	10.2	15.2





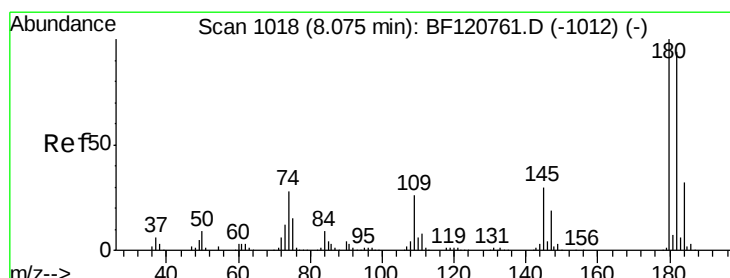
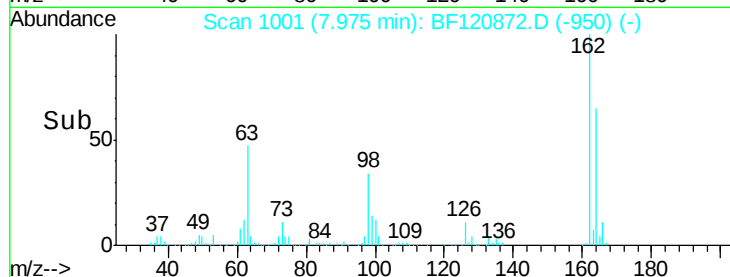
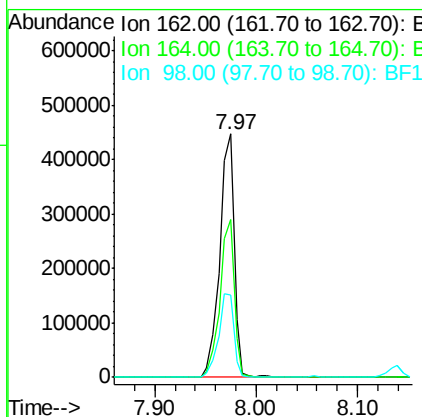
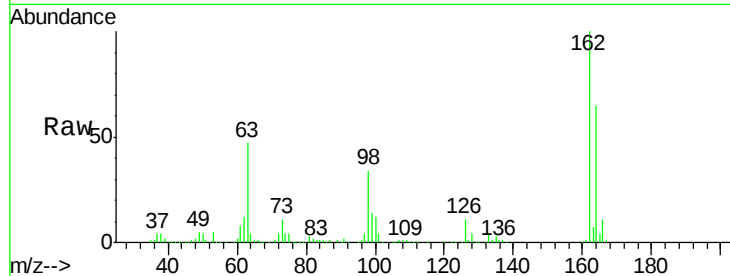
#29
2,4-Dichlorophenol
Concen: 40.269 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	447000		
164	64.8	45.2	85.2	
98	33.7	17.0	57.0	

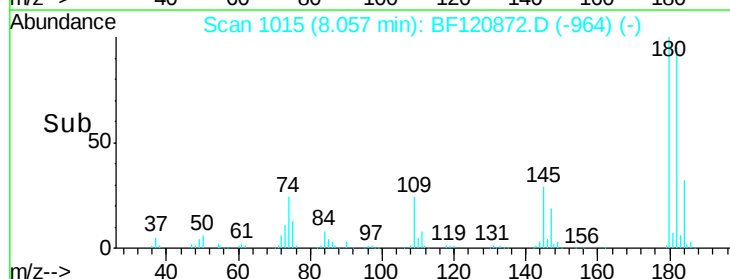
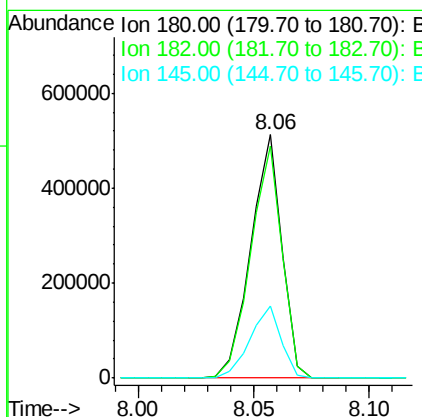
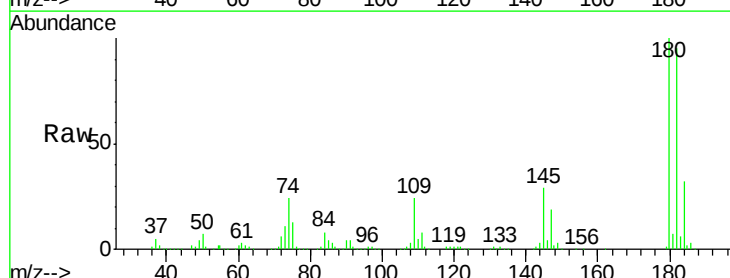
Manual Integrations
APPROVED

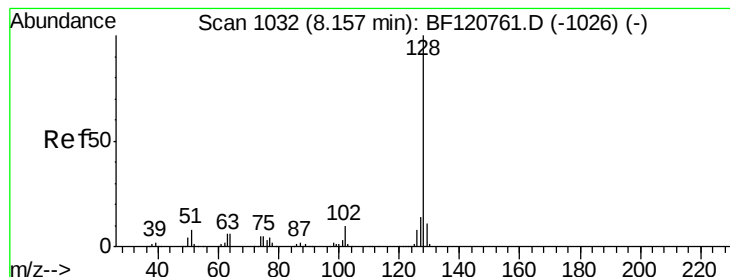
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 38.561 ng
RT: 8.06 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	480774		
182	95.2	75.5	113.3	
145	29.4	24.1	36.1	





#31

Naphthalene

Concen: 37.496 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

ClientSampleId :

IRON-1MS

Tot Ion:128 Resp: 1499534

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

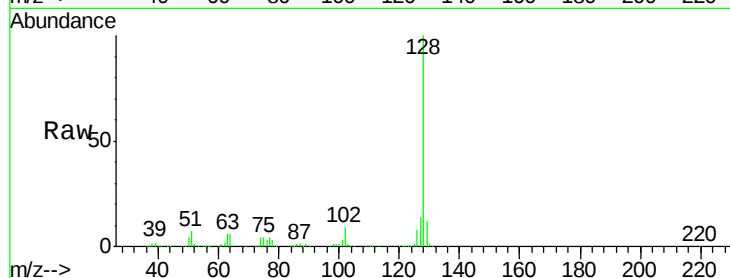
127 13.9 11.1 16.7

Manual Integrations

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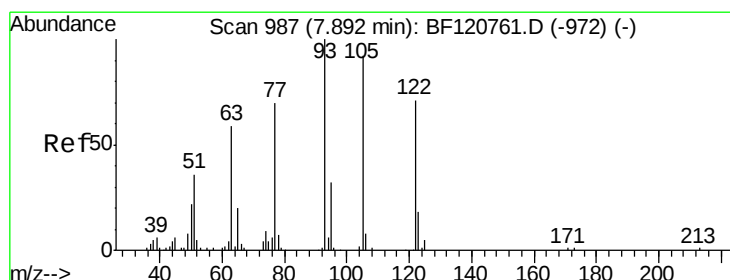
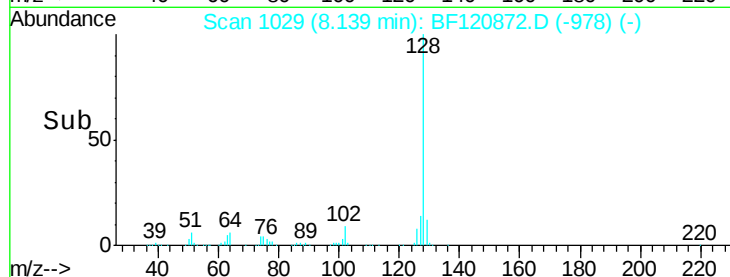
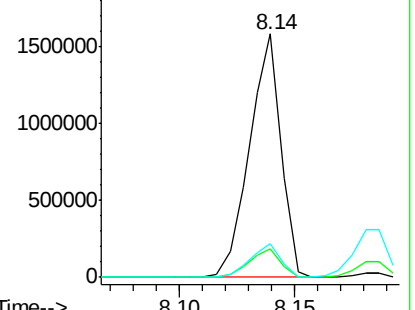
7/16/2020 11:05:01 AM



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: 43.879 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.01 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

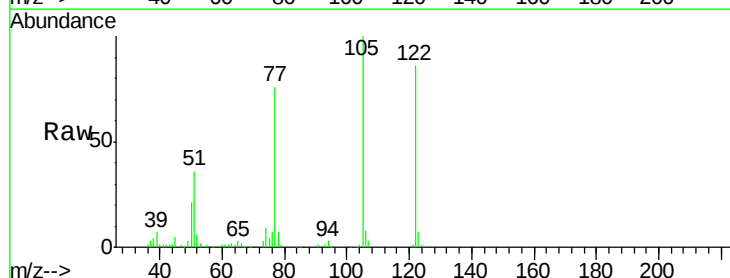
Tgt Ion:122 Resp: 341862

Ion Ratio Lower Upper

122 100

105 116.8 105.8 145.8

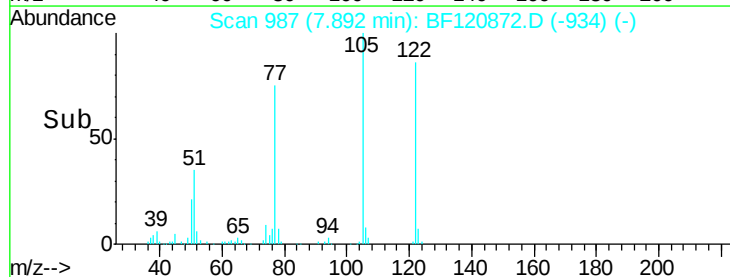
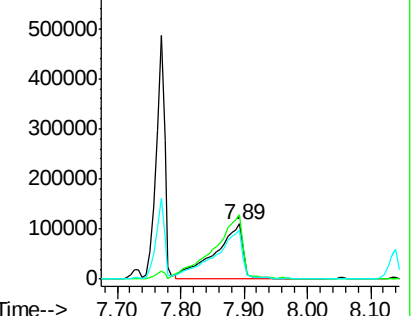
77 88.3 77.3 117.3

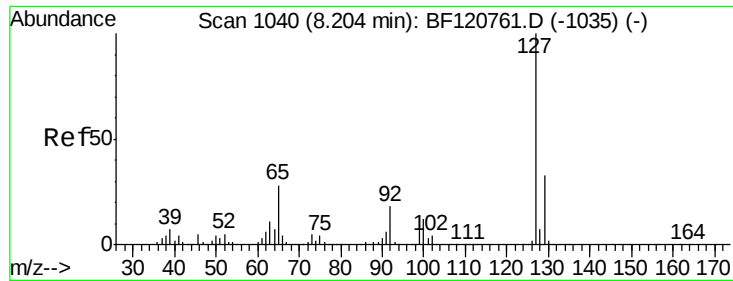


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





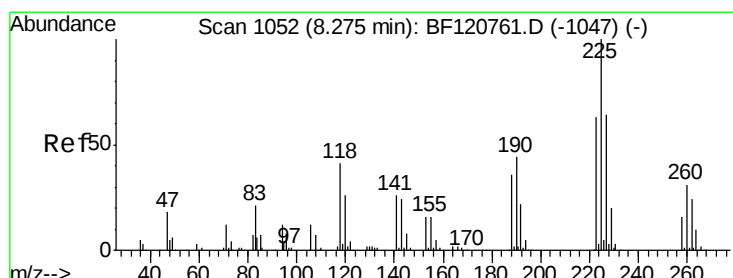
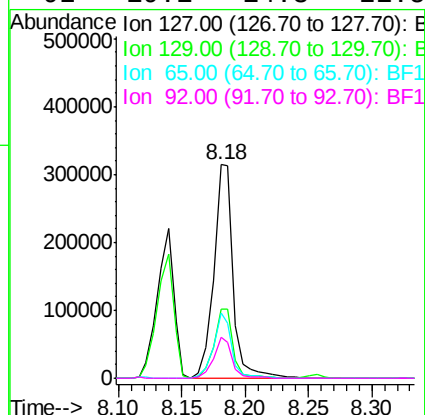
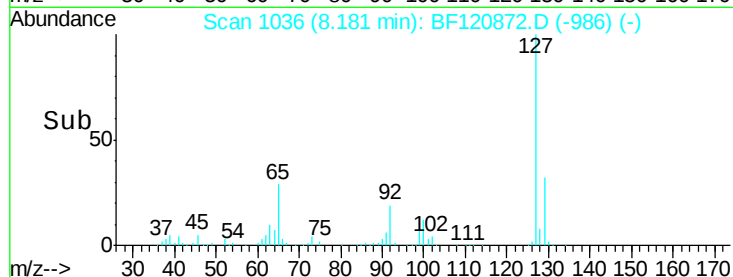
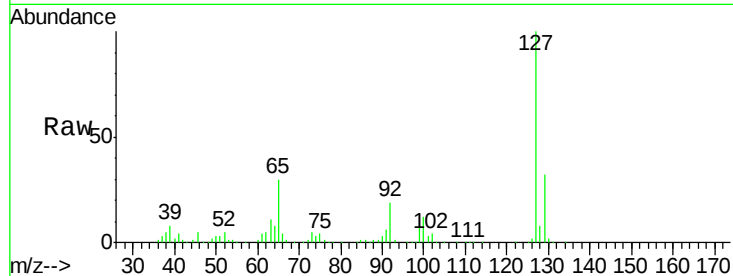
#33
4-Chloroaniline
Concen: 19.975 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampled :
IRON-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.6	39.8		
65	30.4	22.7	34.1		
92	19.1	14.3	21.5		

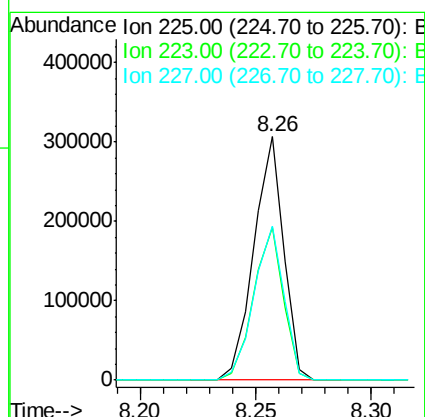
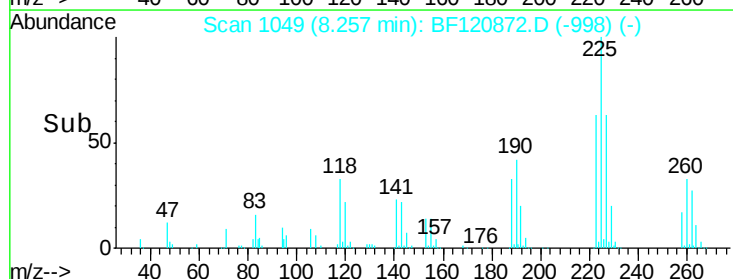
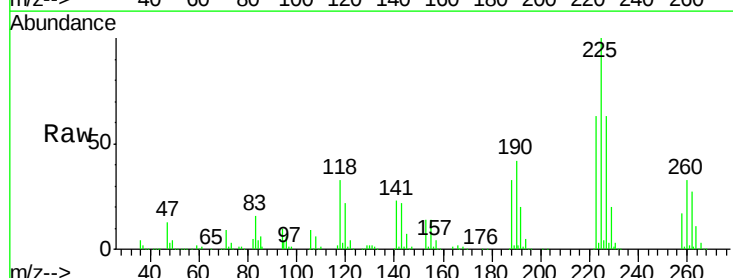
Manual Integrations
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#34
Hexachlorobutadiene
Concen: 36.898 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.8	50.6	76.0		
227	63.2	51.4	77.2		





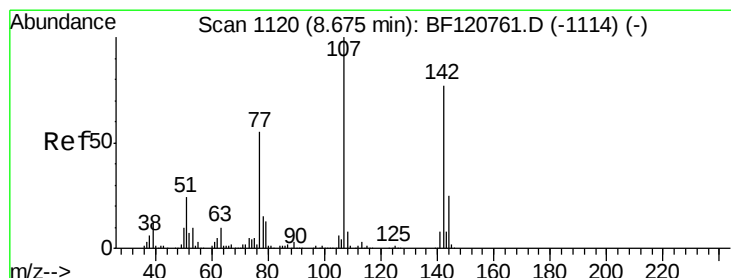
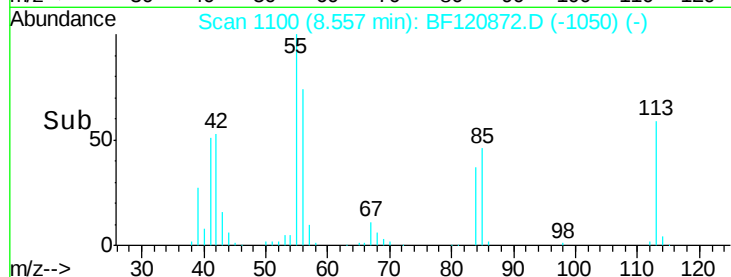
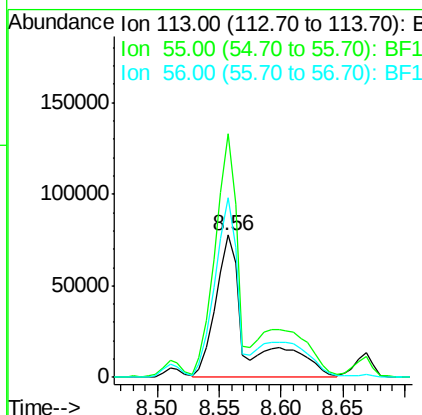
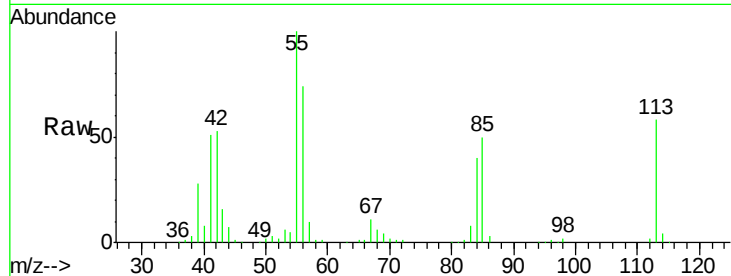
#35
 Caprolactam
 Concen: 43.805 ng/ml
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	171.4	168.3	208.3
56	126.8	118.8	158.8

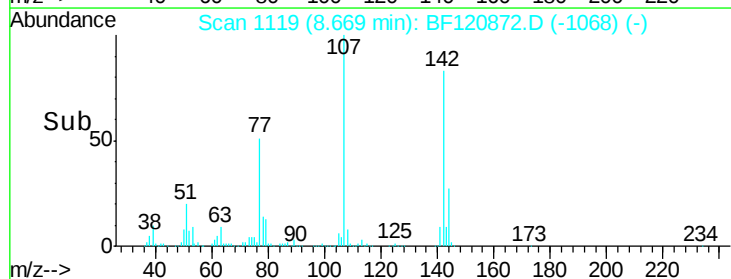
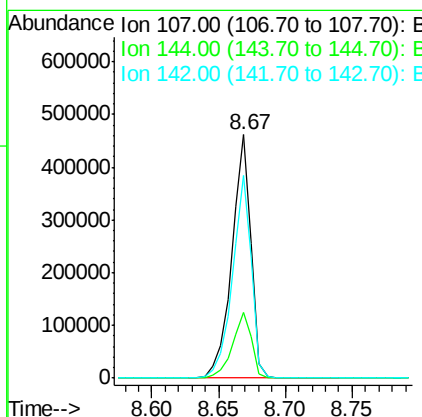
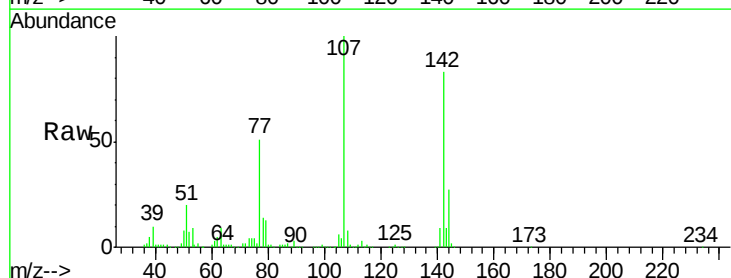
Manual Integrations
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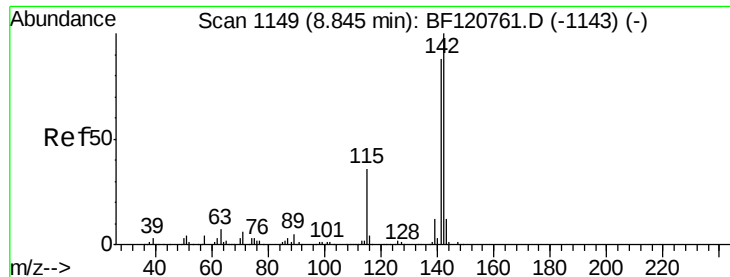
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 40.186 ng/ml
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.2	19.7	29.5
142	83.5	61.2	91.8





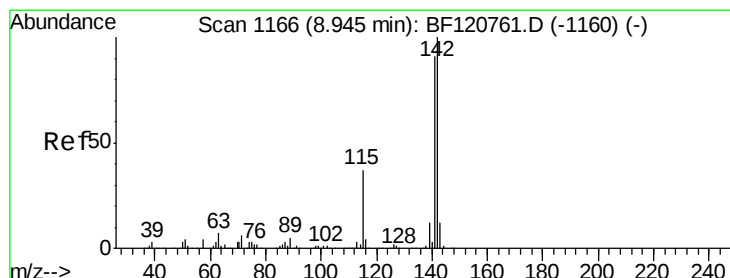
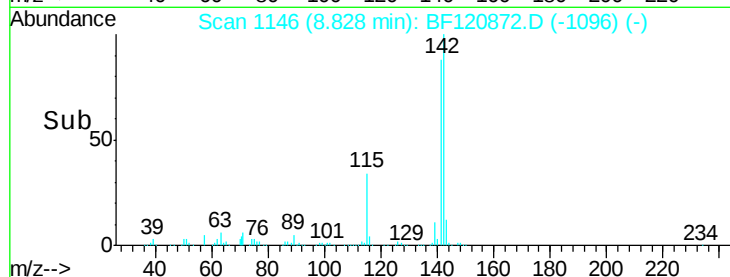
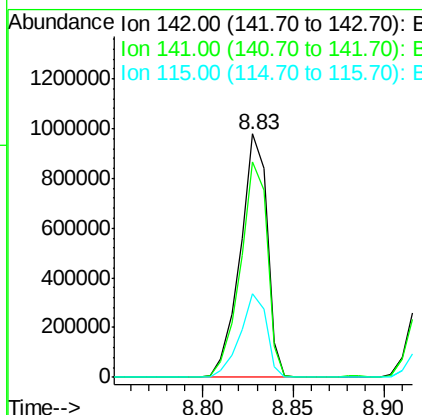
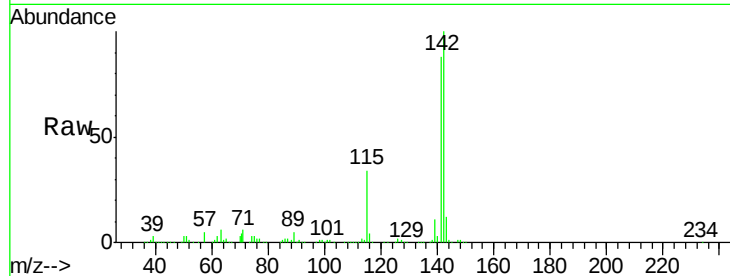
#37
2-Methylnaphthalene
Concen: 38.837 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion:142 Resp: 1009658
Ion Ratio Lower Upper
142 100
141 88.4 70.2 105.4
115 34.2 29.0 43.4

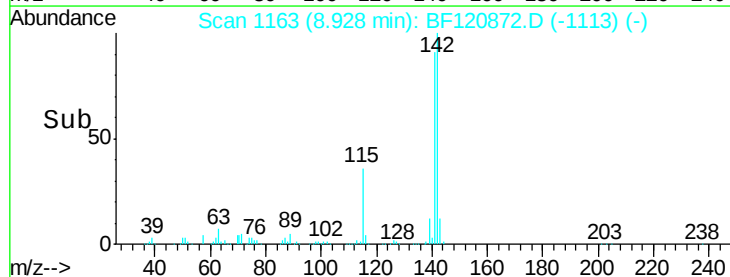
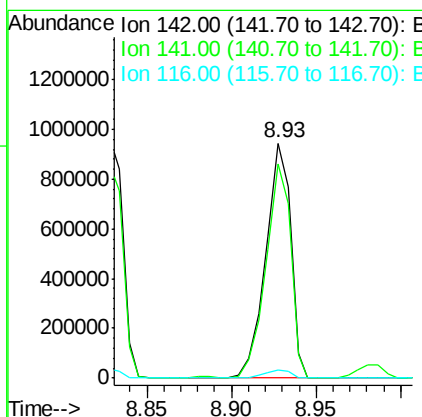
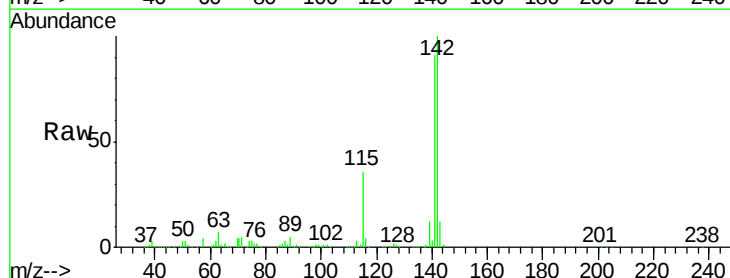
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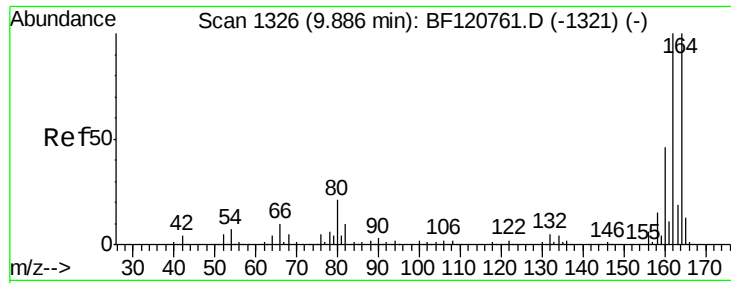
mohammad
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#38
1-Methylnaphthalene
Concen: 39.757 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion:142 Resp: 968162
Ion Ratio Lower Upper
142 100
141 91.0 72.5 108.7
116 3.6 3.1 4.7





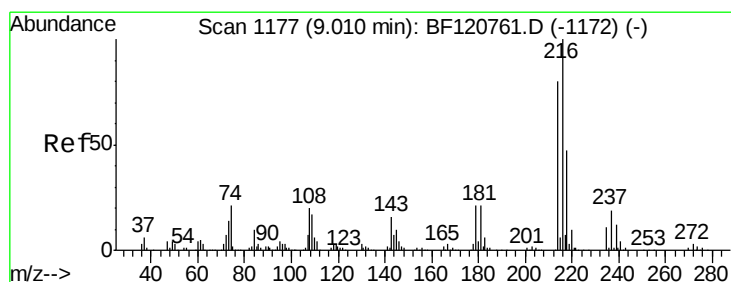
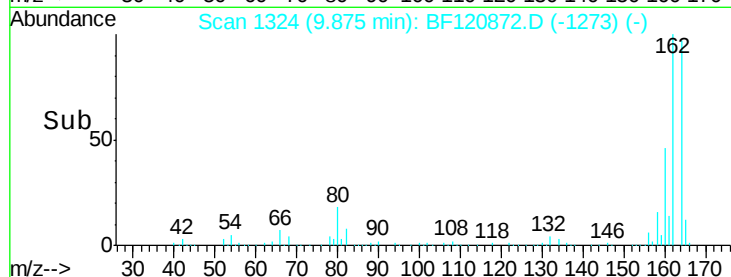
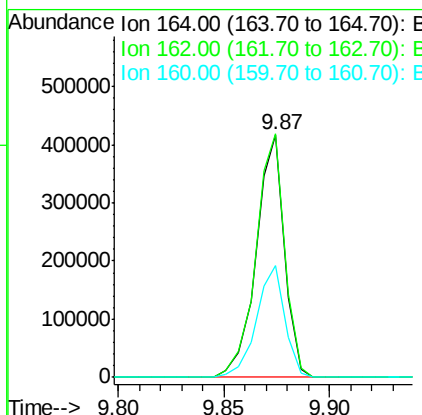
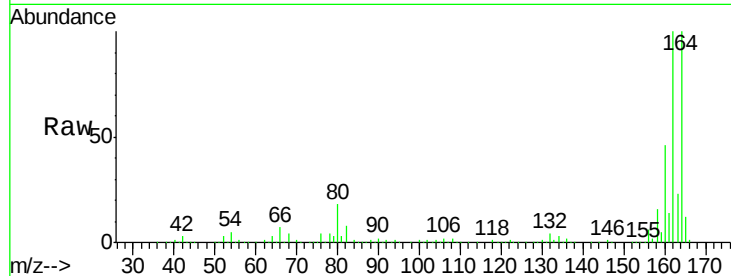
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampled :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.2
160	46.3	36.9	55.3

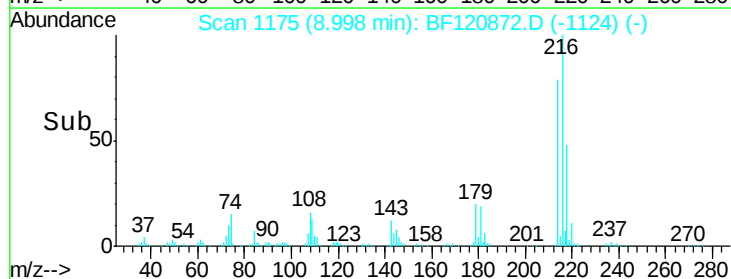
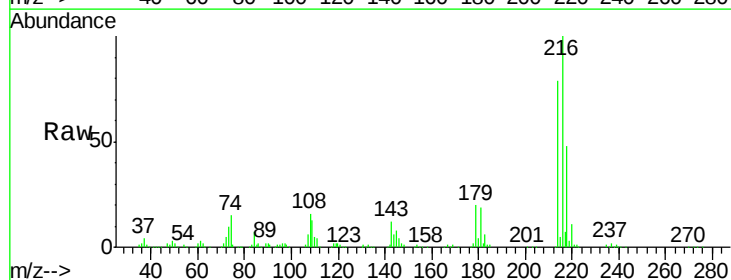
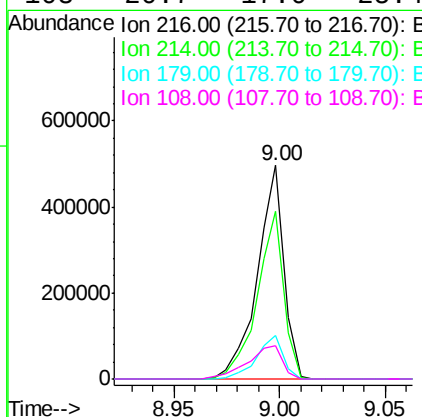
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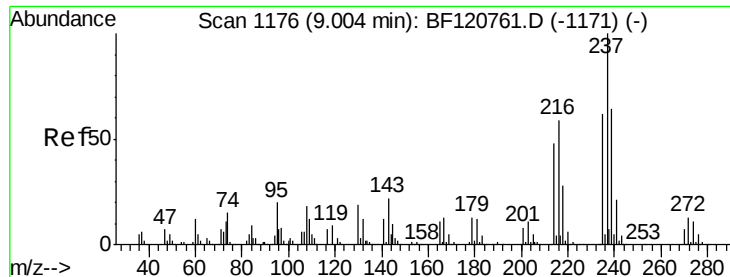
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.094 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.7	95.5
179	20.7	16.7	25.1
108	20.7	17.0	25.4





#41

Hexachlorocyclopentadiene

Concen: 70.905 ng

RT: 8.99 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

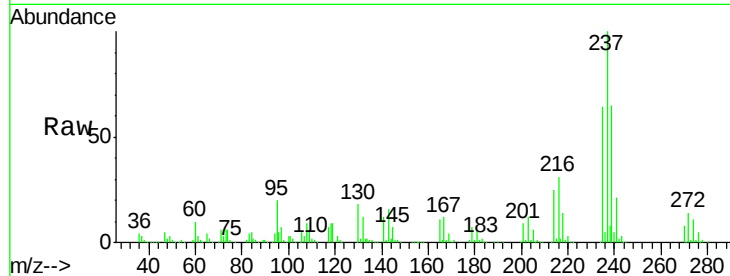
ClientSampleId :

IRON-1MS

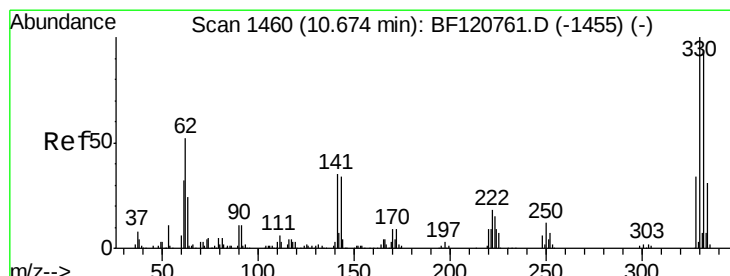
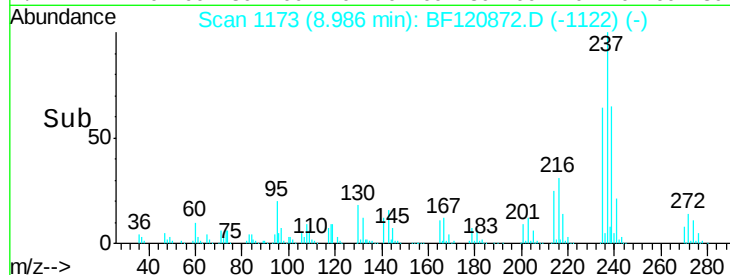
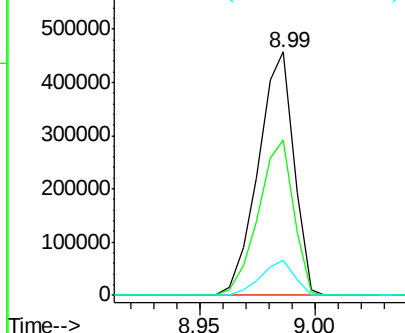
Tot Ion:	237	Resp:	490787
Ion Ratio	Lower	Upper	
237	100		
235	63.7	42.1	82.1
272	14.1	0.0	33.4

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



#42

2,4,6-Tribromophenol

Concen: 77.157 ng

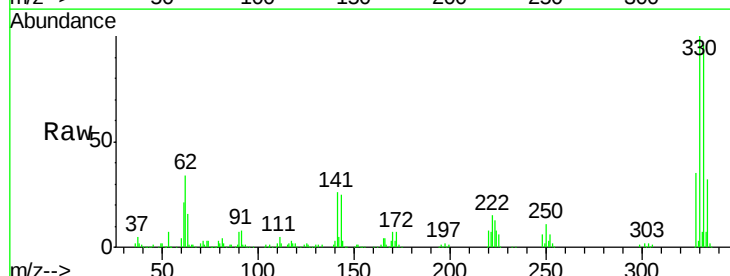
RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

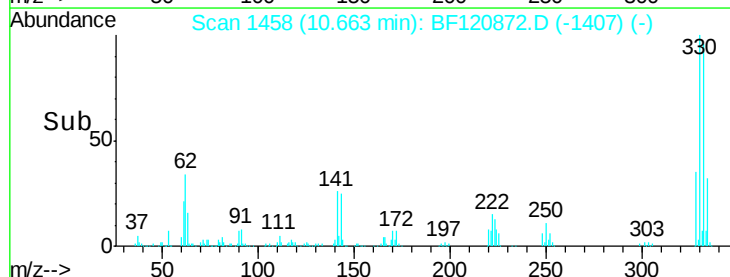
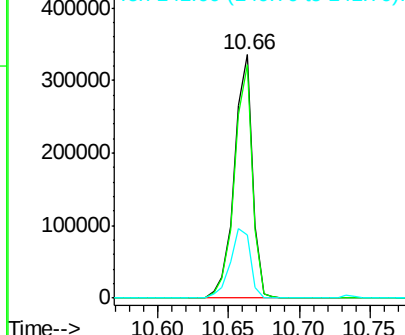
Lab File: BF120872.D

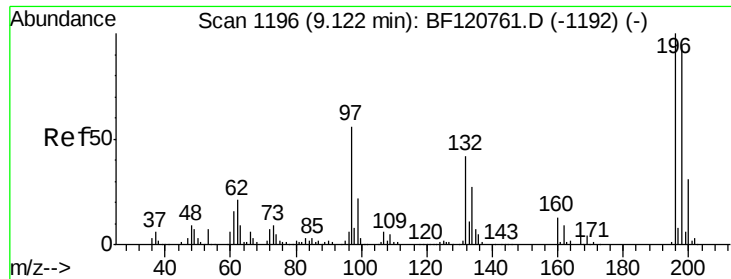
Acq: 15 Jul 2020 14:42

Tgt Ion:	330	Resp:	300476
Ion Ratio	Lower	Upper	
330	100		
332	95.4	75.8	113.6
141	32.0	29.7	44.5



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





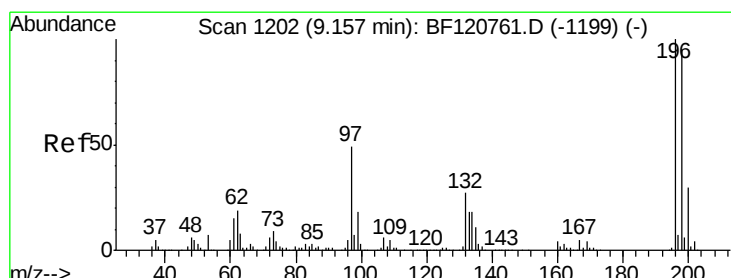
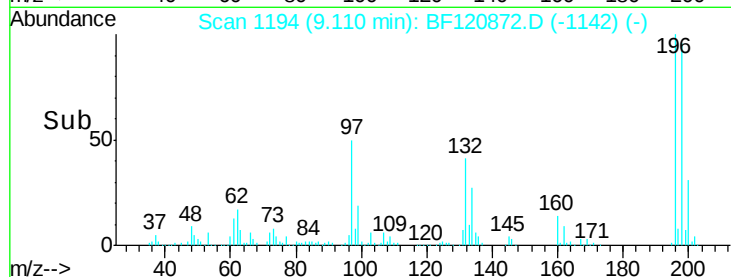
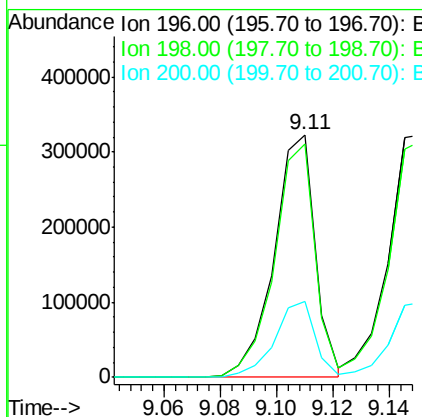
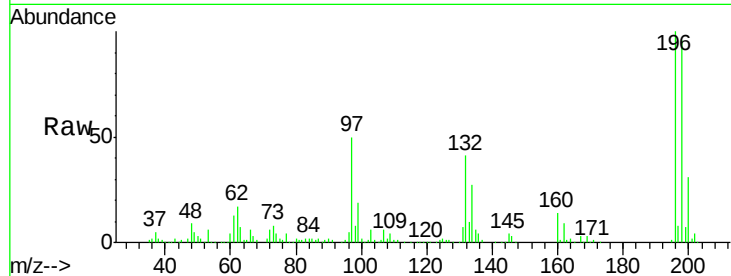
#43
 2,4,6-Trichlorophenol
 Concen: 40.864 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion:	196	Resp:	326215
Ion Ratio	Lower	Upper	
196	100		
198	96.3	75.3	112.9
200	31.2	24.4	36.6

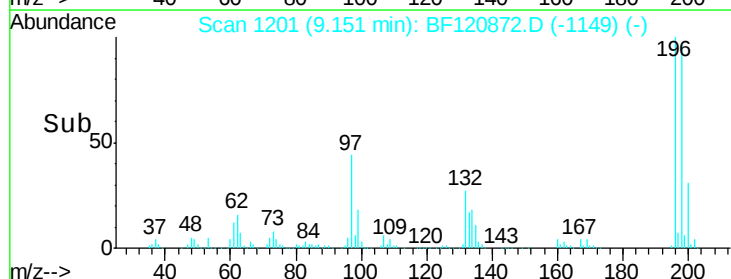
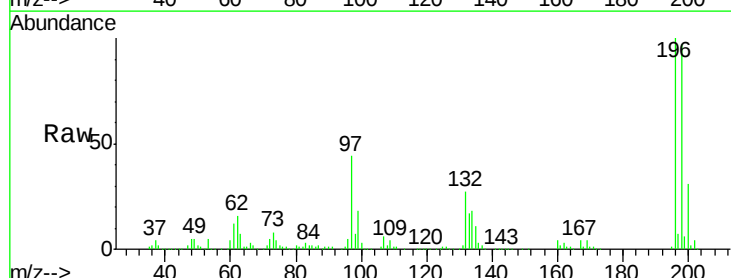
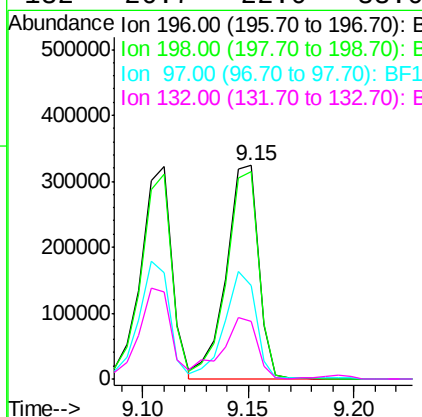
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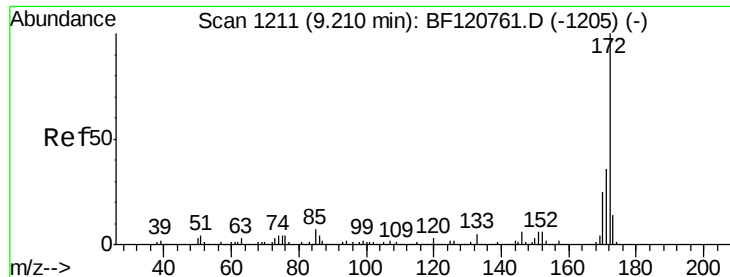
mohammad
 7/16/2020 11:05:01 AM



#44
 2,4,5-Trichlorophenol
 Concen: 38.597 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion:	196	Resp:	341943
Ion Ratio	Lower	Upper	
196	100		
198	97.1	76.2	114.2
97	43.8	39.6	59.4
132	26.7	22.0	33.0





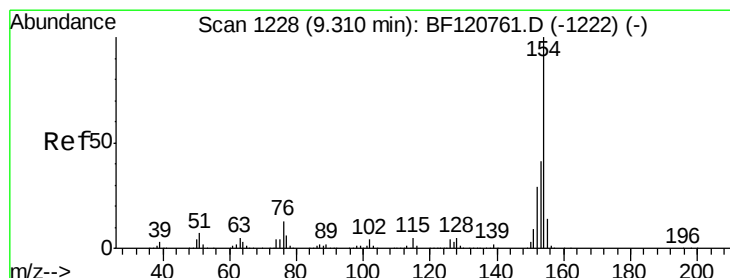
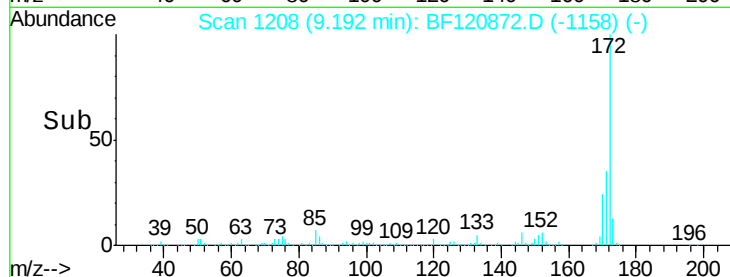
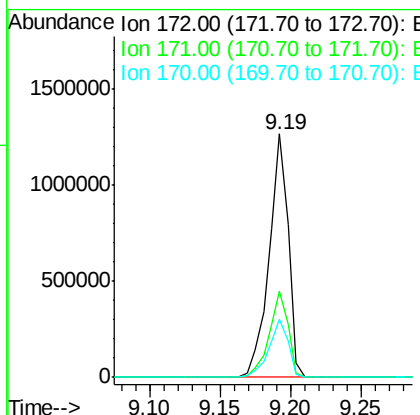
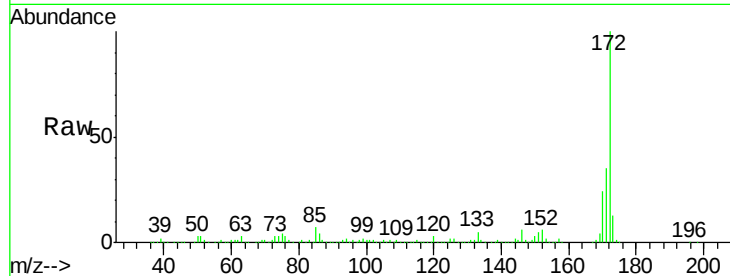
#45
2-Fluorobiphenyl
Concen: 47.151 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.1	43.7
170	24.1	19.8	29.6

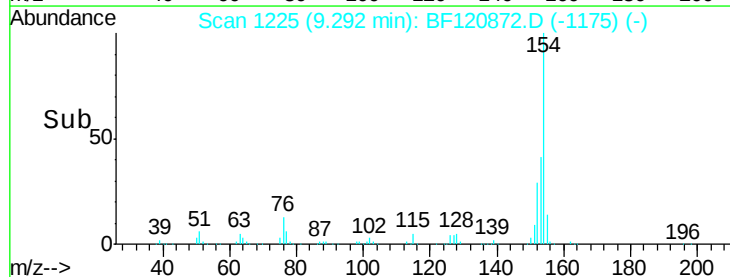
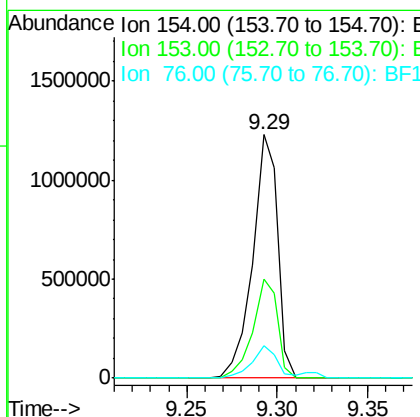
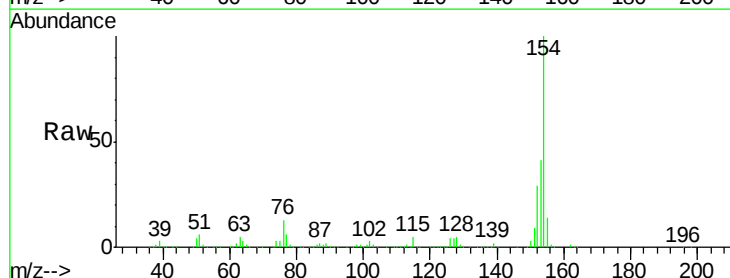
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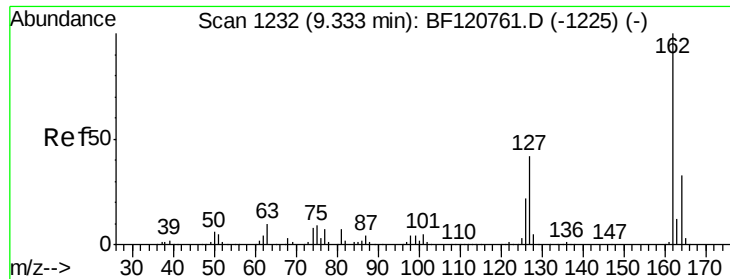
mohammad
7/16/2020 11:05:01 AM



#46
1,1'-Biphenyl
Concen: 37.477 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	13.1	0.0	33.3





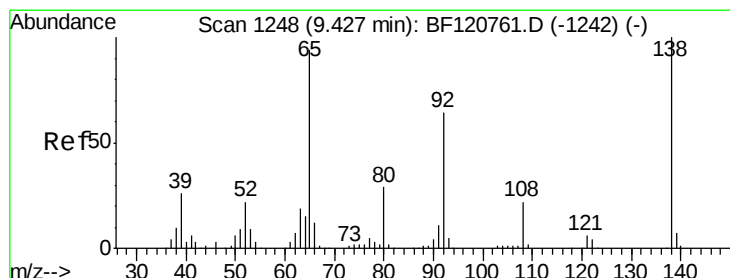
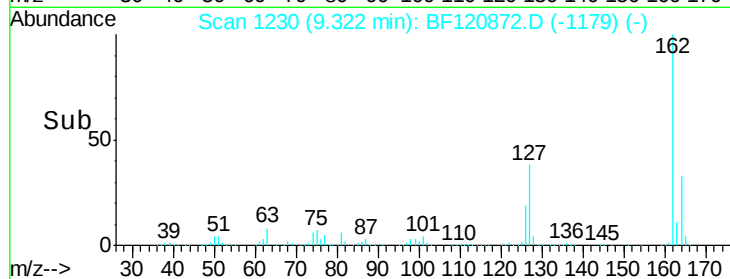
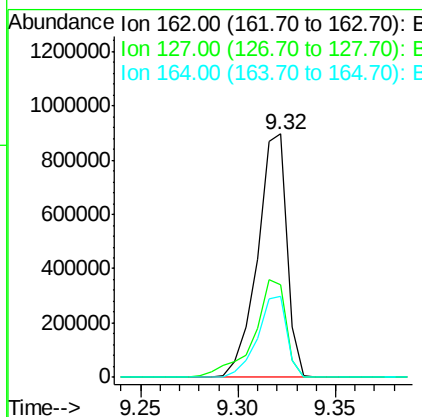
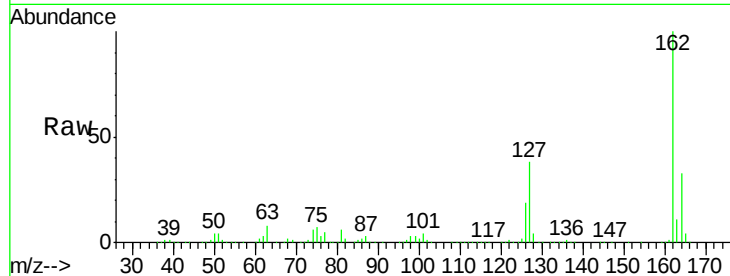
#47
2-Chloronaphthalene
Concen: 37.324 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	934937		
127	38.2		33.7	50.5
164	33.2		26.4	39.6

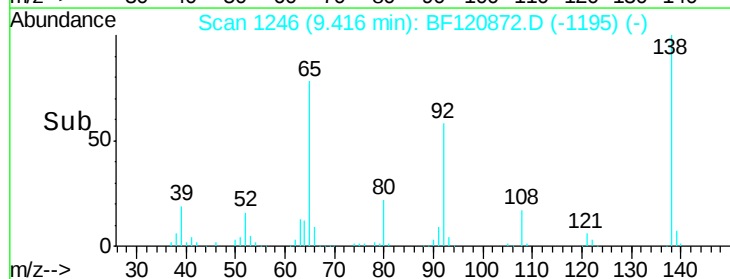
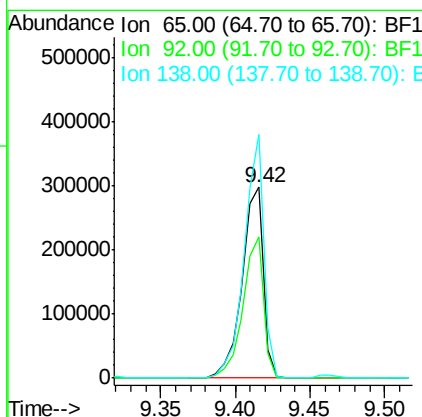
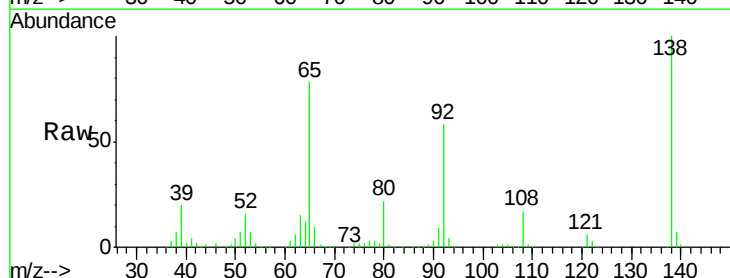
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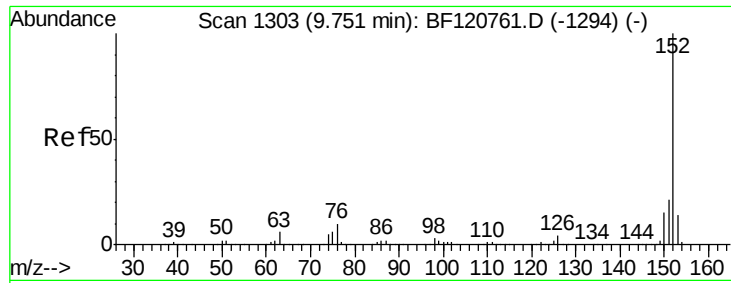
mohammad
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#48
2-Nitroaniline
Concen: 39.856 ng
RT: 9.42 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	295415		
92	73.8		54.4	81.6
138	127.6		84.7	127.1#





#49

Acenaphthylene

Concen: 37.782 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

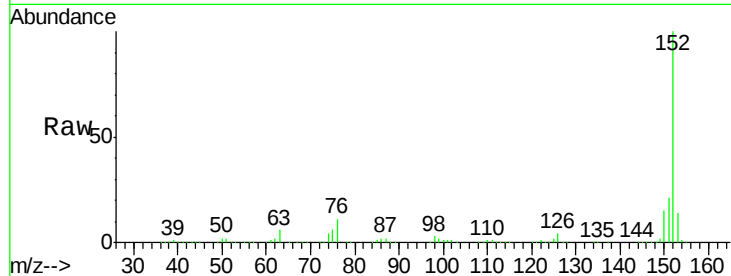
ClientSampleId :

IRON-1MS

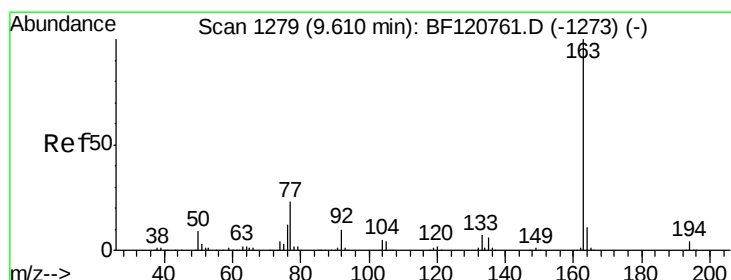
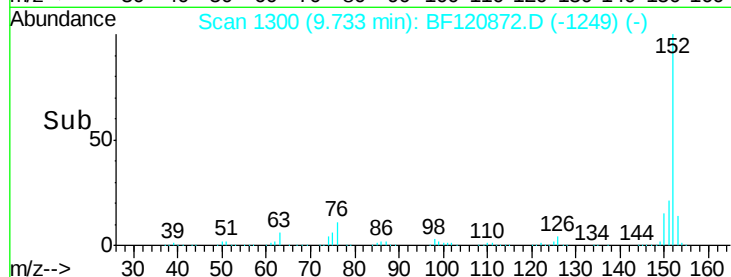
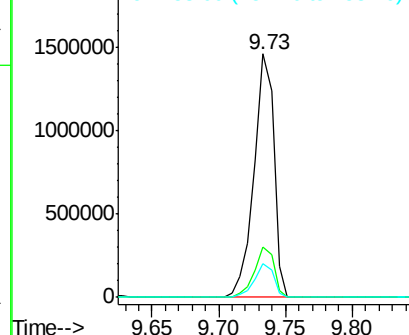
Tot Ion:	152	Resp:	1483810
Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.9	25.3
153	13.9	10.8	16.2

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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: 45.303 ng

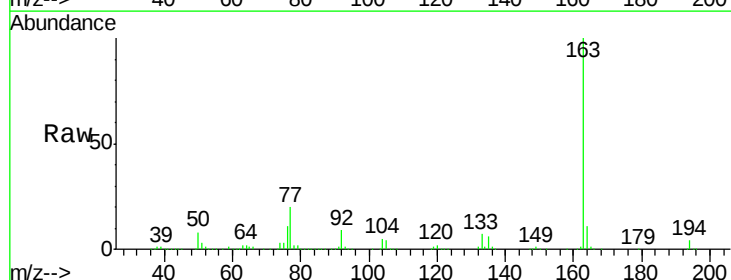
RT: 9.60 min Scan# 1277

Delta R.T. 0.00 min

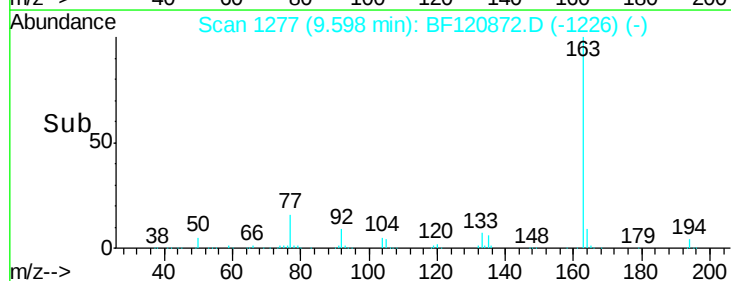
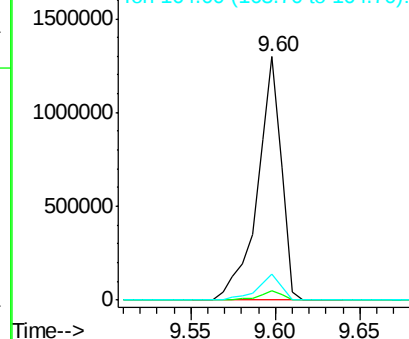
Lab File: BF120872.D

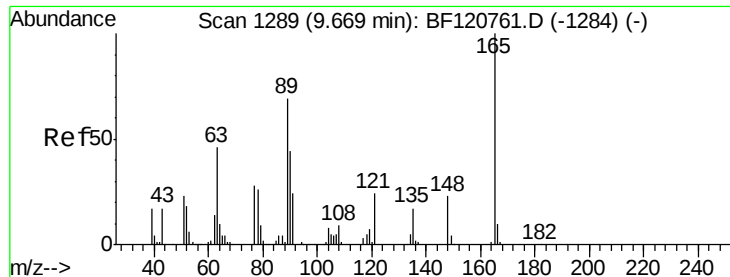
Acq: 15 Jul 2020 14:42

Tgt Ion:	163	Resp:	1281041
Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	10.7	8.5	12.7



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





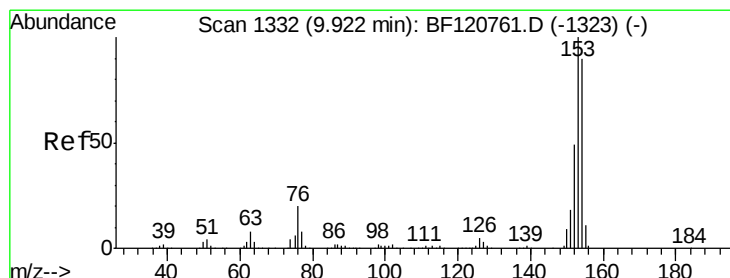
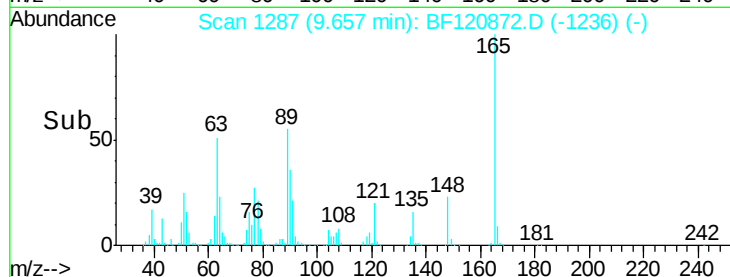
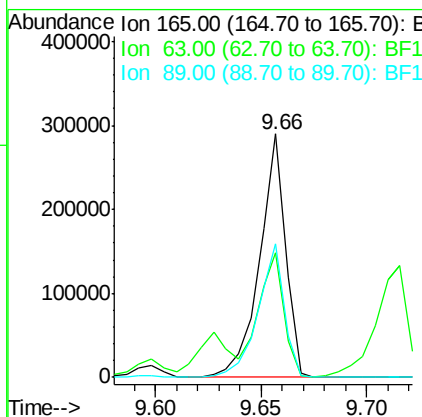
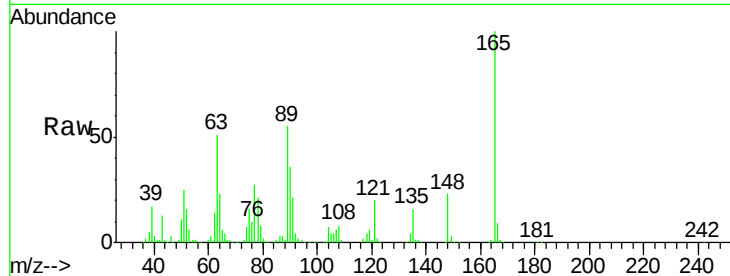
#51
 2,6-Dinitrotoluene
 Concen: 44.265 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	247716		
63	51.4	54.0	81.0#	
89	54.9	55.4	83.2#	

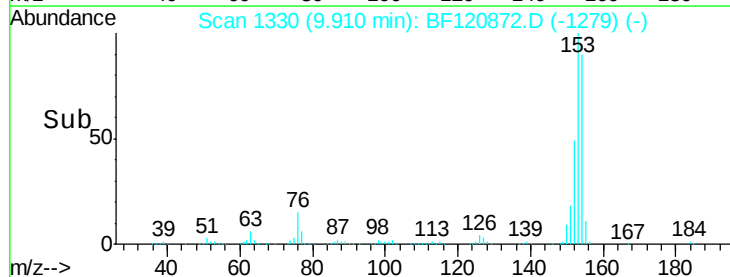
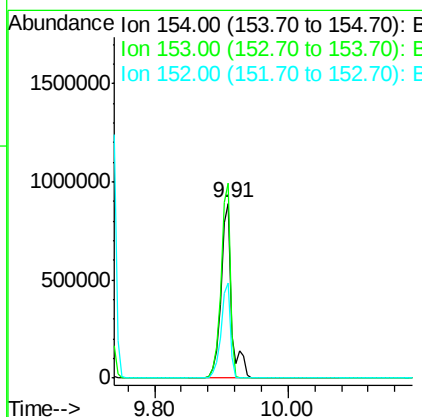
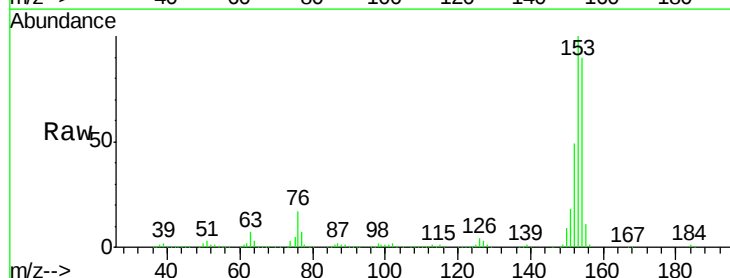
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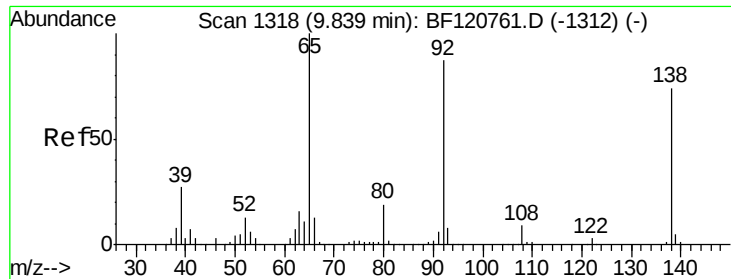
mohammad
 7/16/2020 11:05:01 AM



#52
 Acenaphthene
 Concen: 41.092 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1001153		
153	111.2	88.6	132.8	
152	54.4	43.6	65.4	





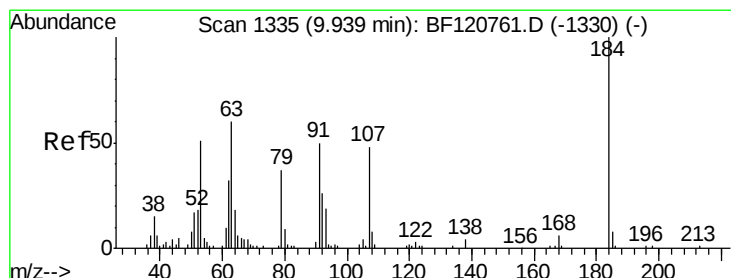
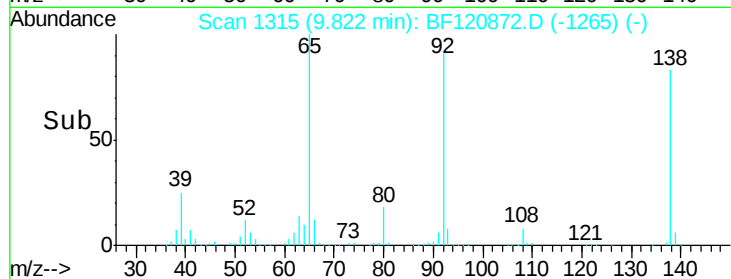
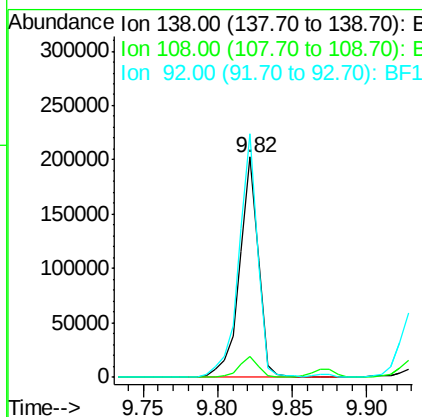
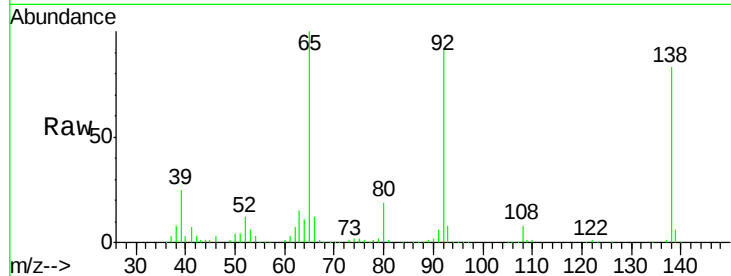
#53
3-Nitroaniline
Concen: 26.949 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	9.8	14.6#
92	110.6	93.4	140.2

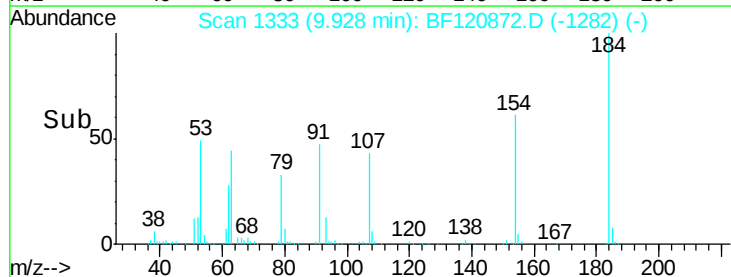
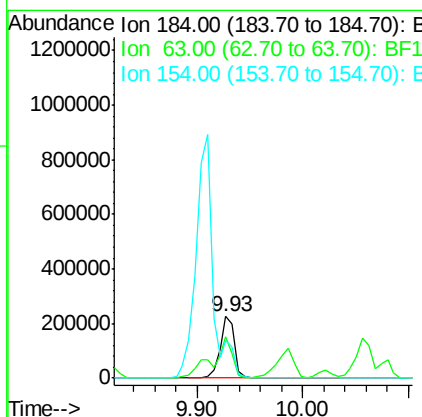
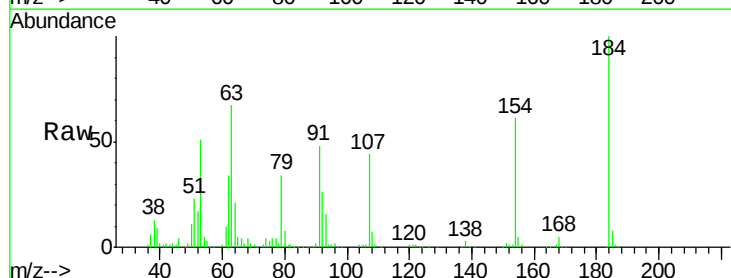
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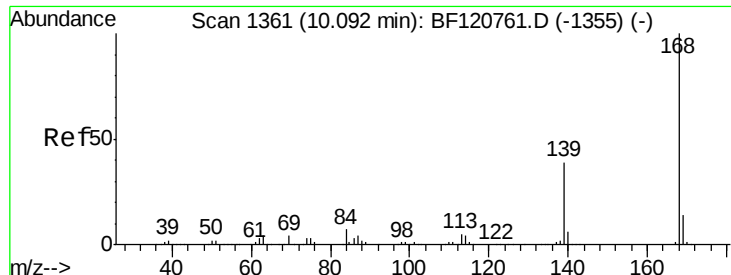
mohammad
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#54
2,4-Dinitrophenol
Concen: 96.039 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
184	100		
63	67.4	57.3	85.9
154	61.1	55.8	83.6





#55

Dibenzofuran

Concen: 37.666 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

ClientSampleId :

IRON-1MS

Tot Ion:168 Resp: 1322784

Ion Ratio Lower Upper

168 100

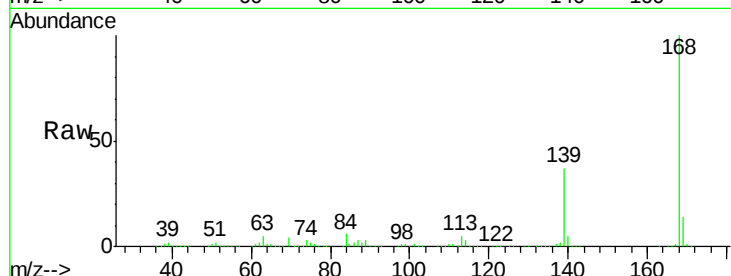
139 37.0 31.3 46.9

169 13.9 11.2 16.8

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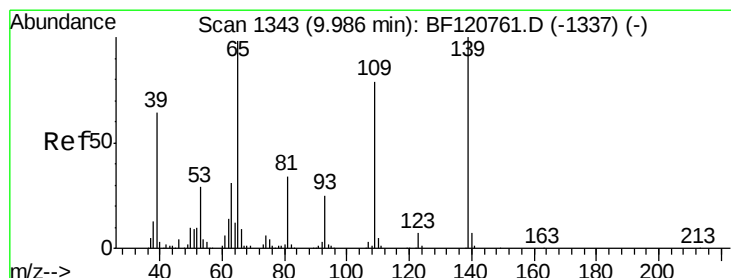
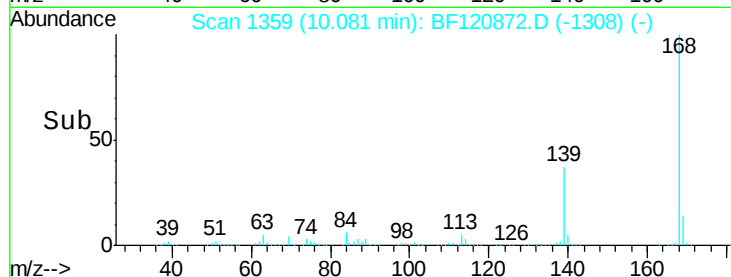
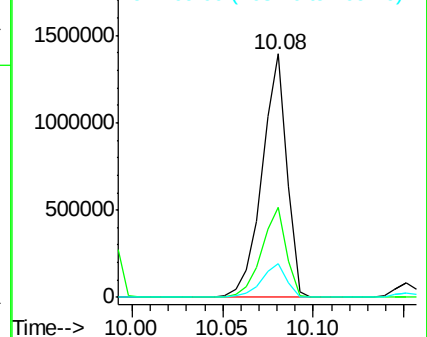
7/16/2020 11:05:01 AM



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: 87.144 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

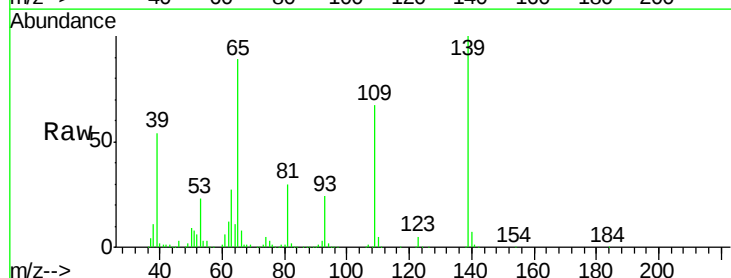
Tgt Ion:139 Resp: 452904

Ion Ratio Lower Upper

139 100

109 67.4 58.6 98.6

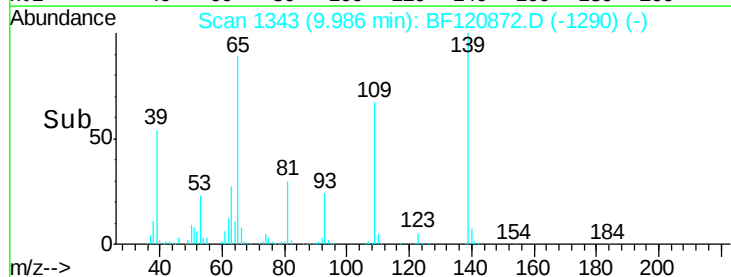
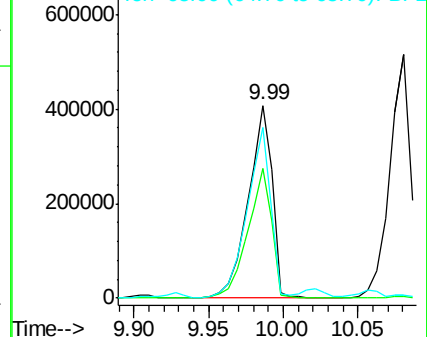
65 88.6 78.7 118.7

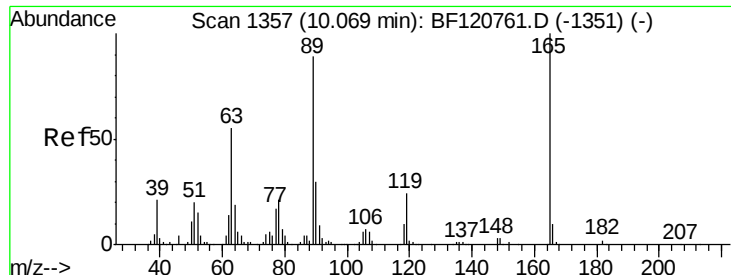


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





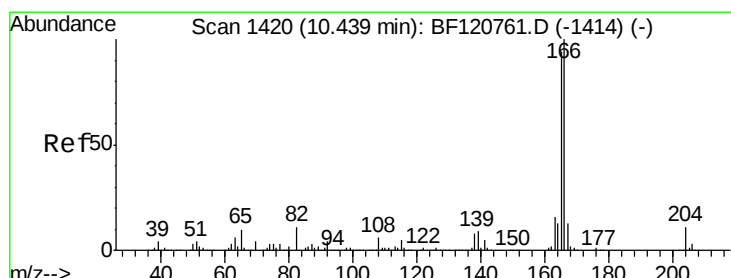
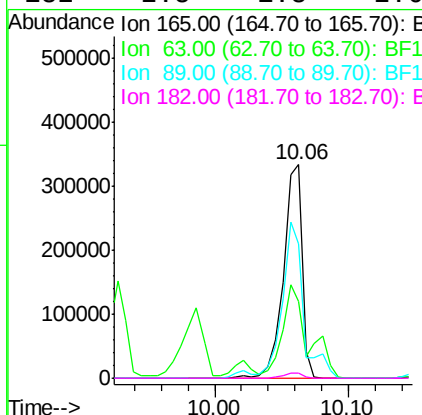
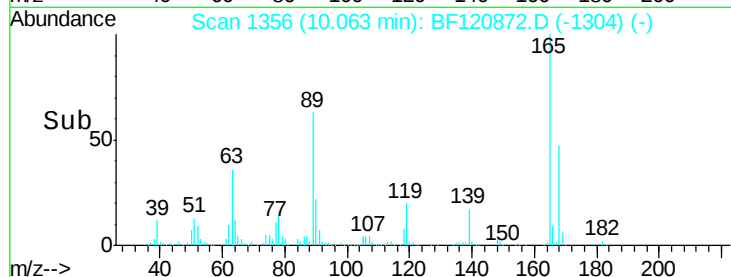
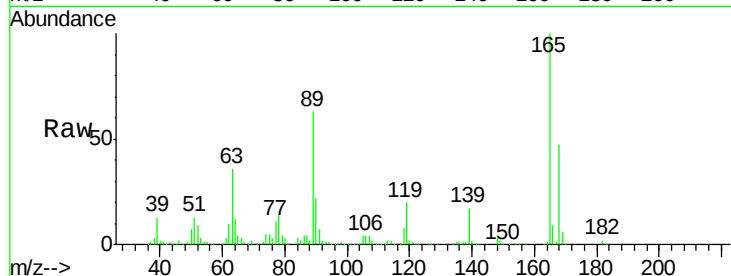
#57
2,4-Dinitrotoluene
Concen: 47.474 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	332074		
63	36.2	43.8	65.8#	
89	63.0	71.4	107.2#	
182	2.5	1.8	2.6	

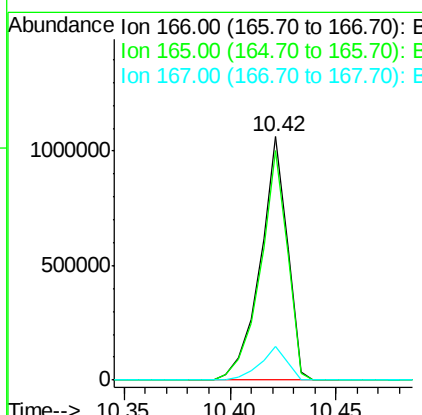
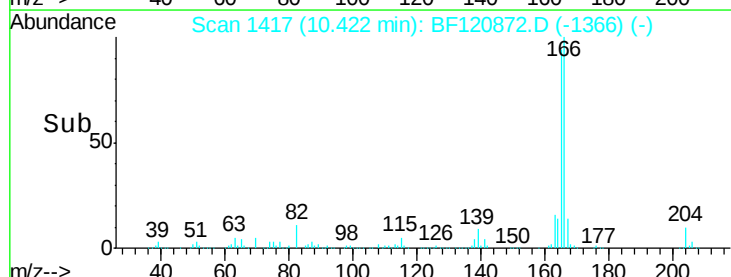
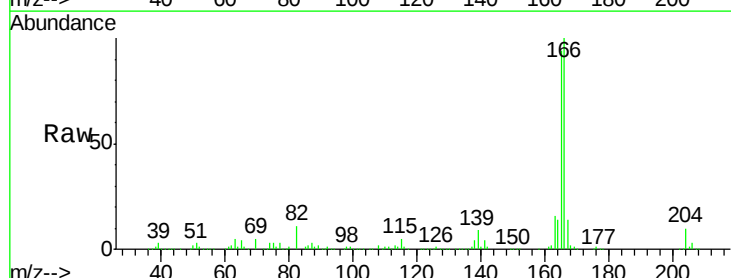
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mohammad
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#58
Fluorene
Concen: 36.104 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	943772		
165	94.1	75.5	113.3	
167	13.7	10.6	16.0	





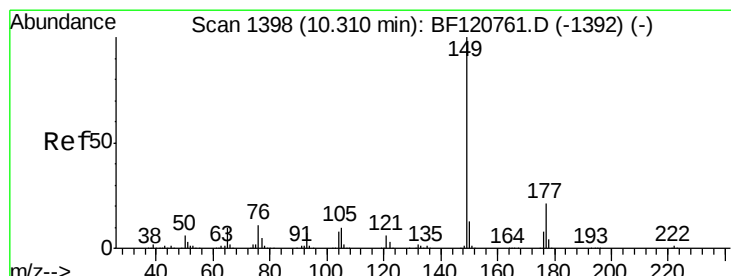
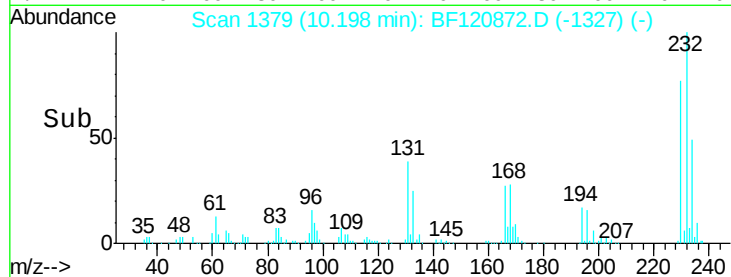
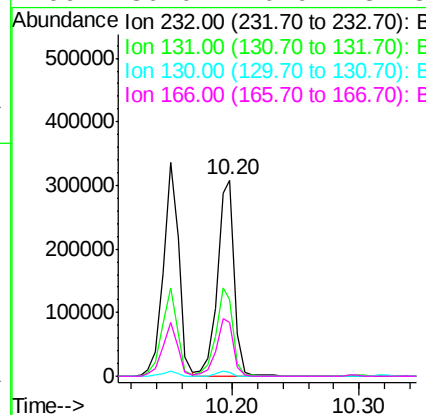
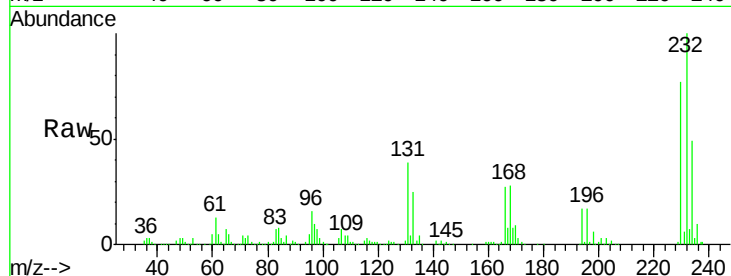
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.956 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	289787		
131	45.1	36.3	54.5	
130	2.3	2.0	3.0	
166	30.0	20.9	31.3	

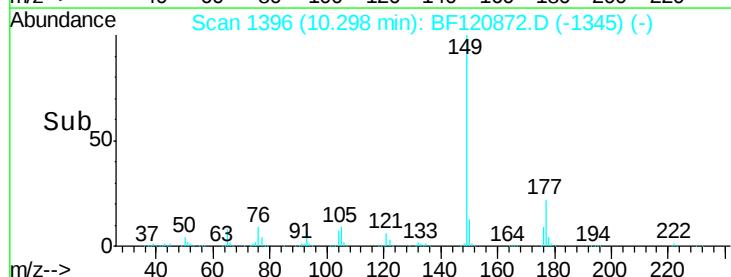
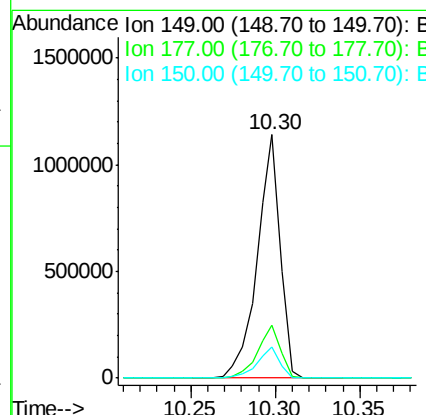
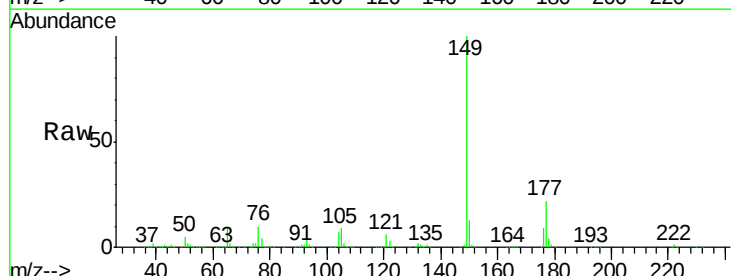
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#60
Diethylphthalate
Concen: 36.711 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1081363		
177	21.8	16.4	24.6	
150	12.6	10.2	15.4	





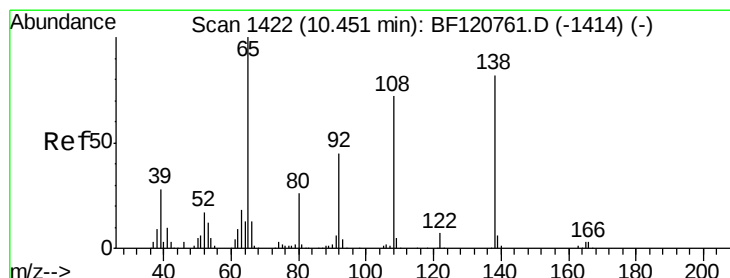
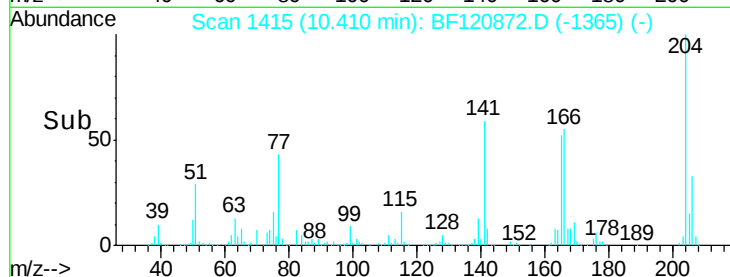
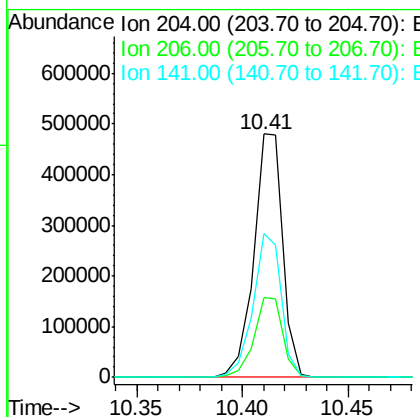
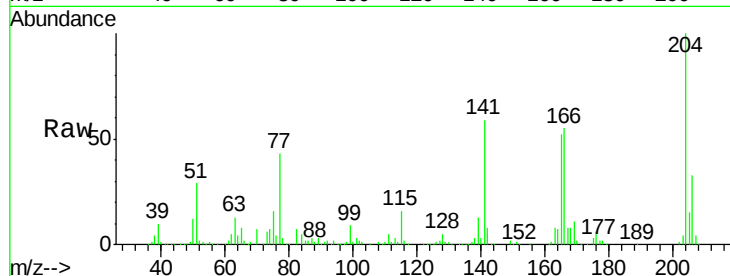
#61
4-Chlorophenyl-phenylether
Concen: 34.825 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampled :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.7	40.1
141	58.9	48.5	72.7

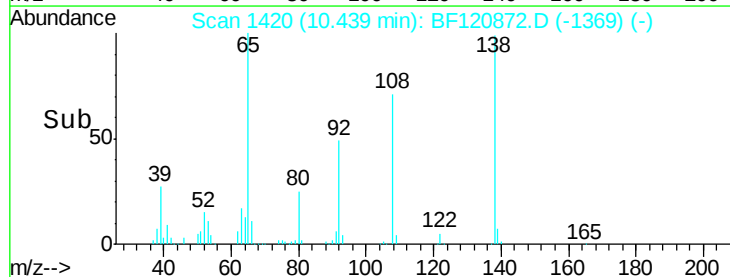
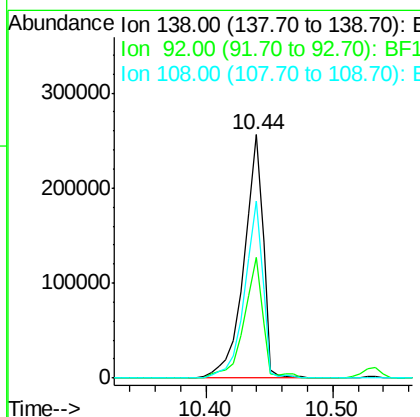
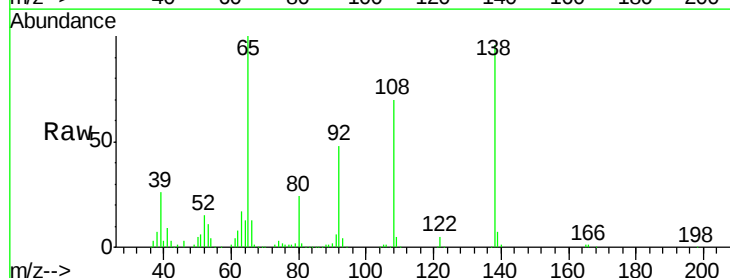
Manual Integrations
APPROVED

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#62
4-Nitroaniline
Concen: 44.757 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.4	34.3	74.3
108	72.9	68.3	108.3





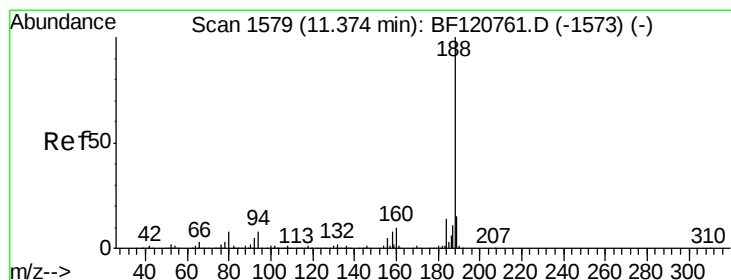
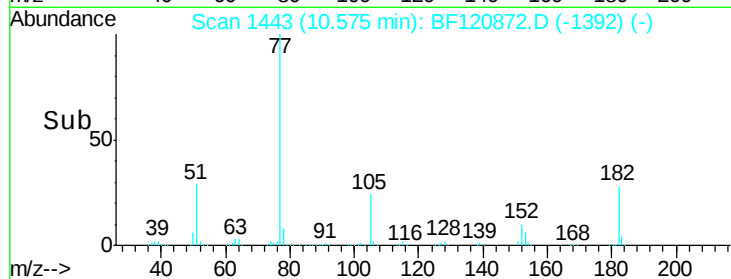
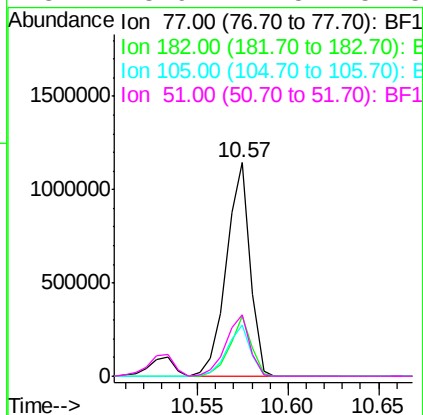
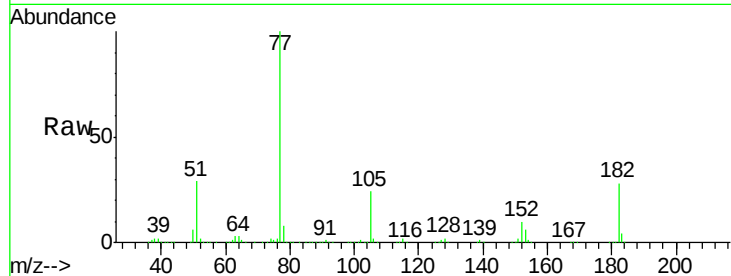
#63
Azobenzene
Concen: 34.503 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	27.9	4.0	44.0	
105	24.2	2.6	42.6	
51	28.9	11.5	51.5	

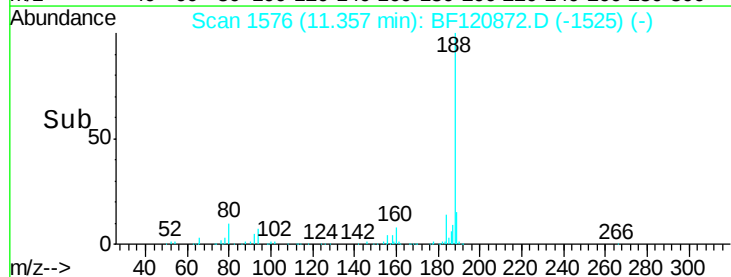
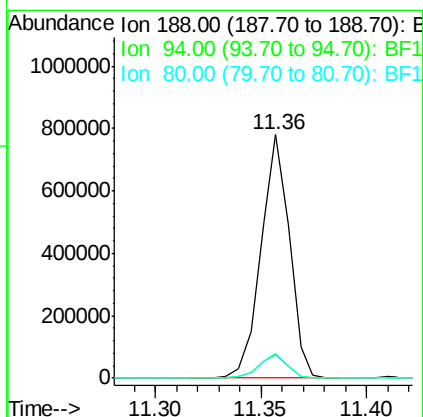
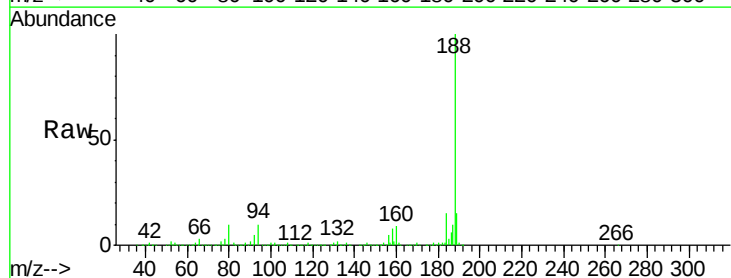
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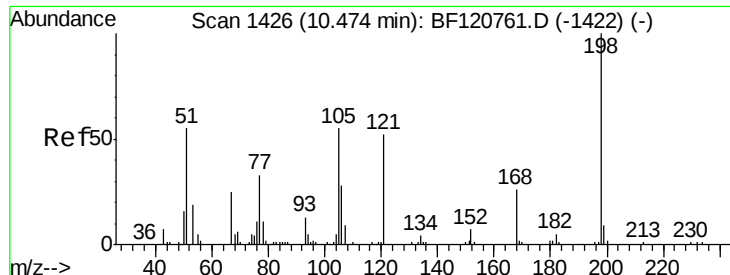
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.6	6.6	9.8	
80	9.9	6.6	10.0	





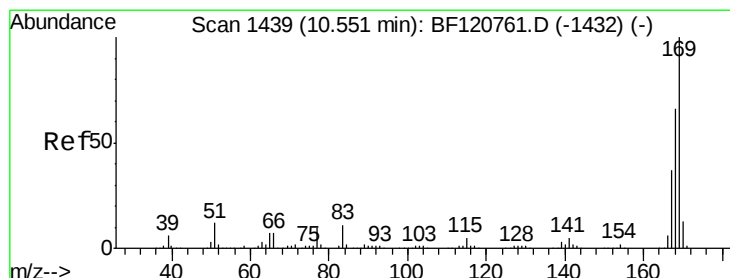
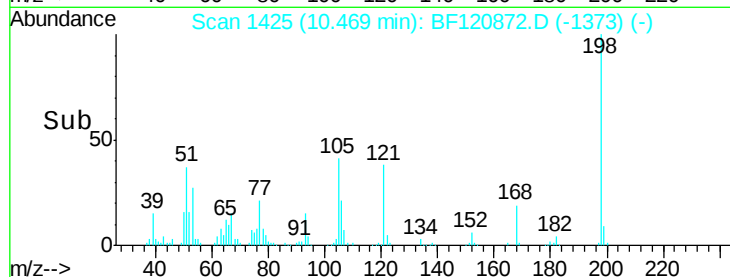
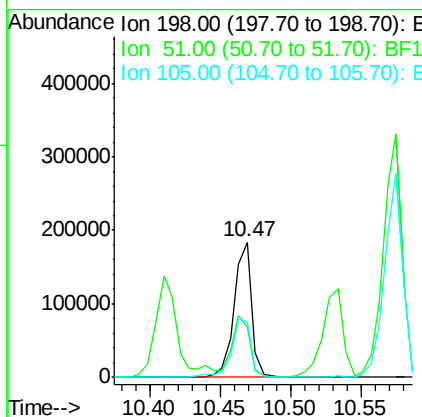
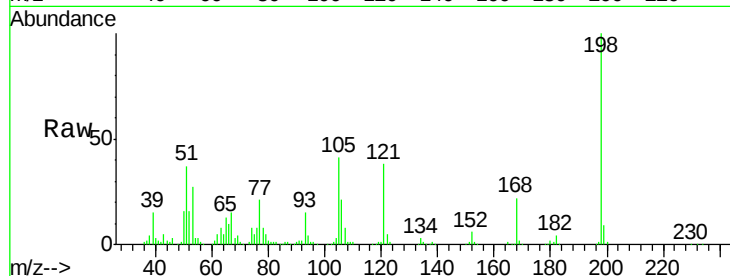
#65
4,6-Dinitro-2-methylphenol
Concen: 51.264 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampled :
IRON-1MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	159426		
51	36.9	50.0	90.0#	
105	40.7	38.3	78.3	

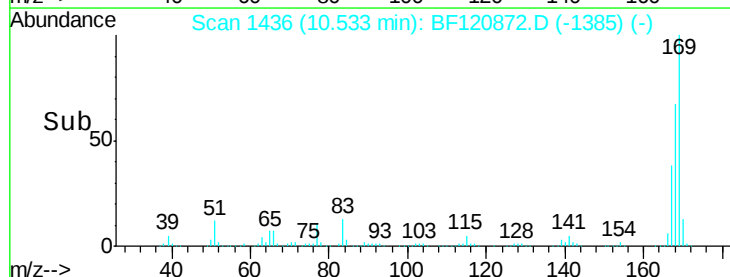
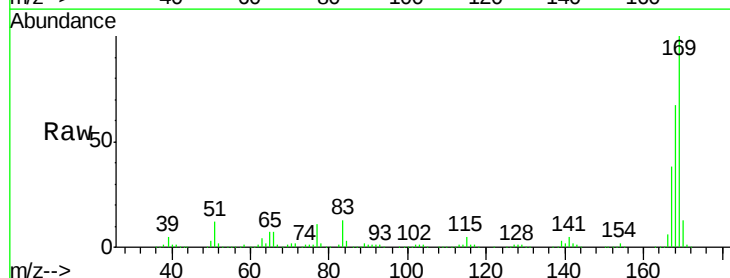
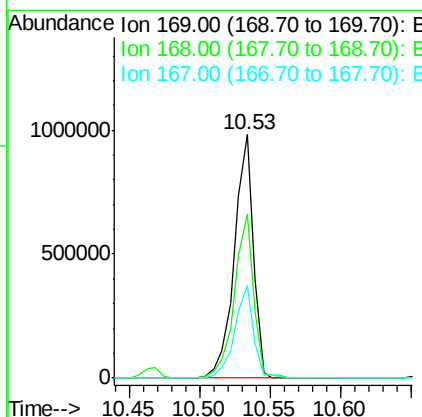
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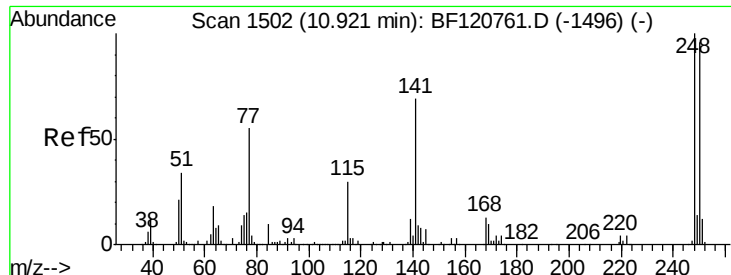
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 37.370 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	916336		
168	67.4	53.1	79.7	
167	37.9	29.6	44.4	





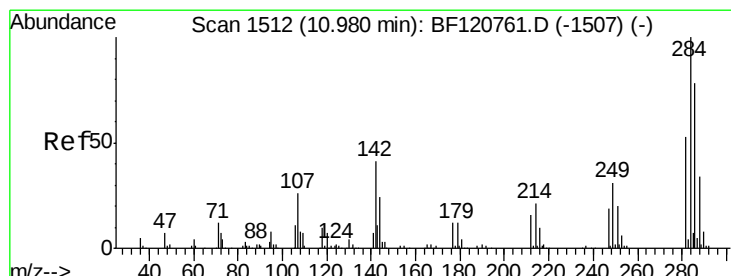
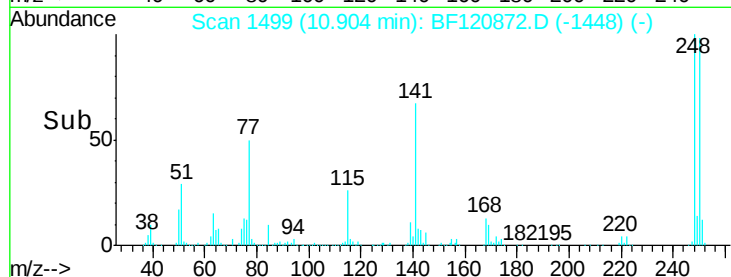
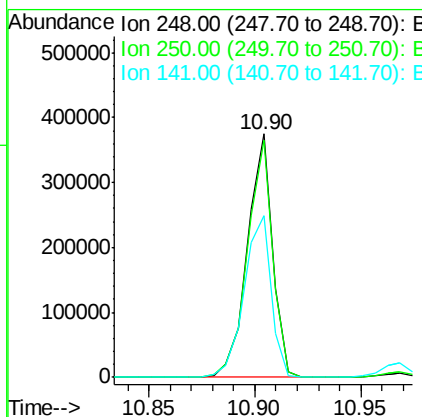
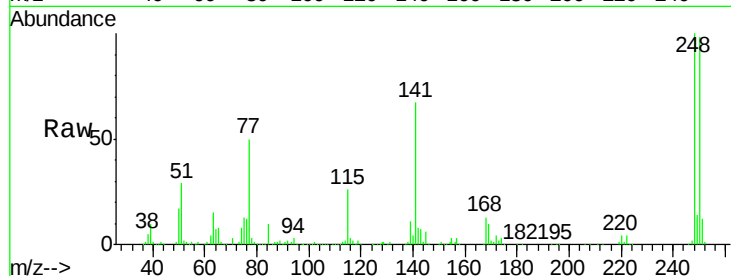
#67
 4-Bromophenyl-phenylether
 Concen: 36.638 ng
 RT: 10.90 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampled :
 IRON-1MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.5	114.7
141	66.6	54.9	82.3

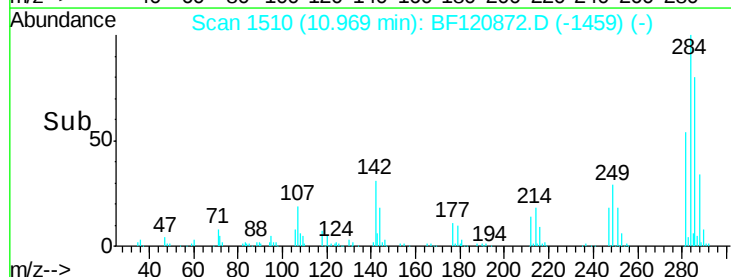
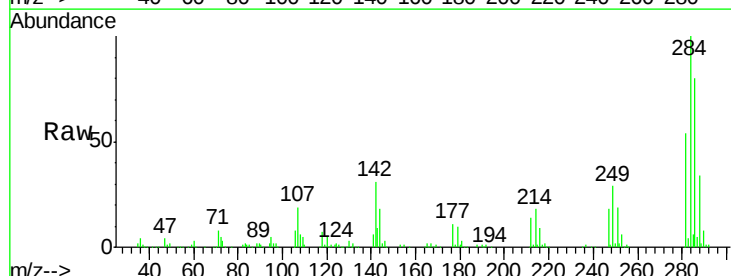
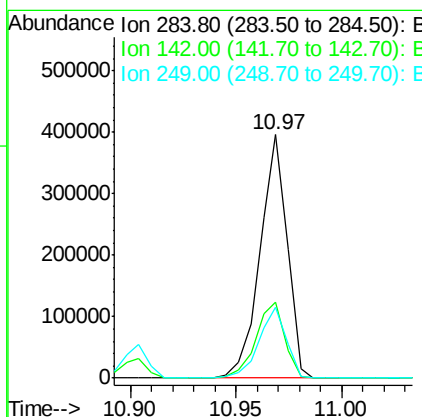
Manual Integrations
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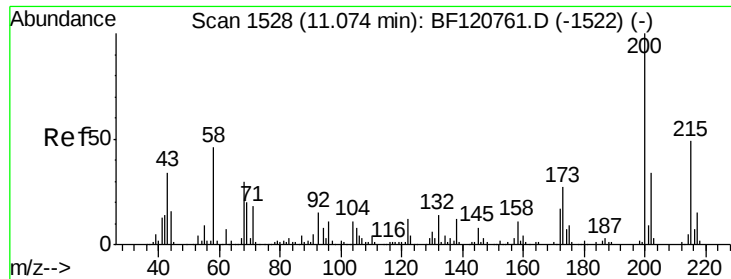
mohammad
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#68
 Hexachlorobenzene
 Concen: 39.621 ng
 RT: 10.97 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.4	32.5	48.7#
249	29.3	24.8	37.2





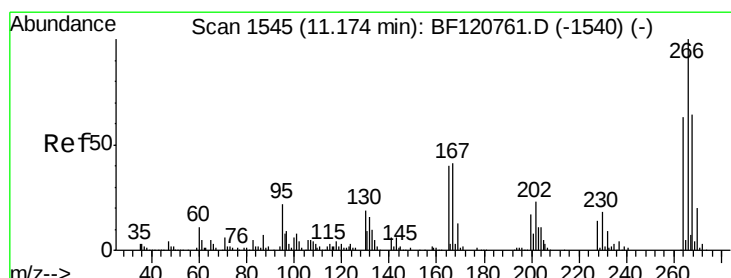
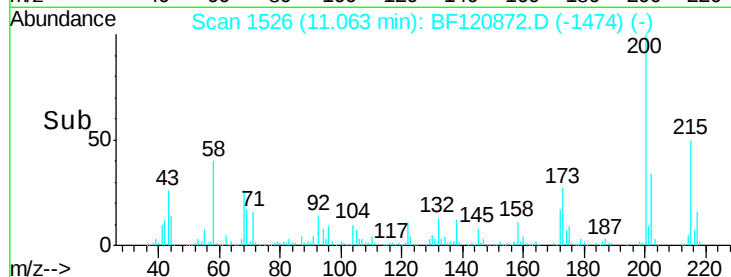
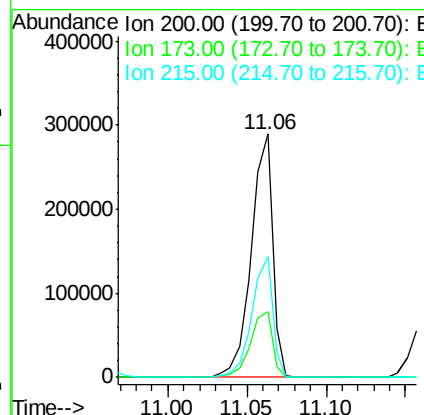
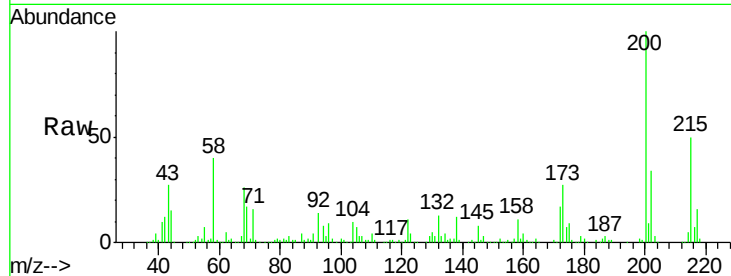
#69
Atrazine
Concen: 42.693 ng
RT: 11.06 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.1	7.4	47.4
215	49.6	28.8	68.8

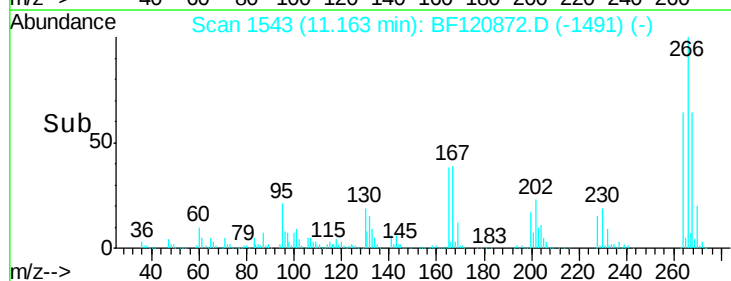
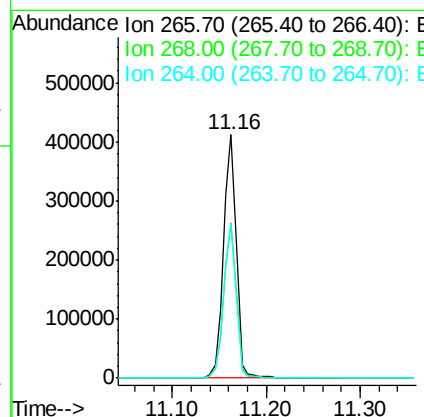
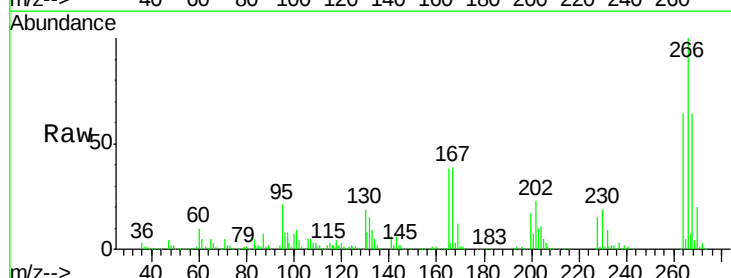
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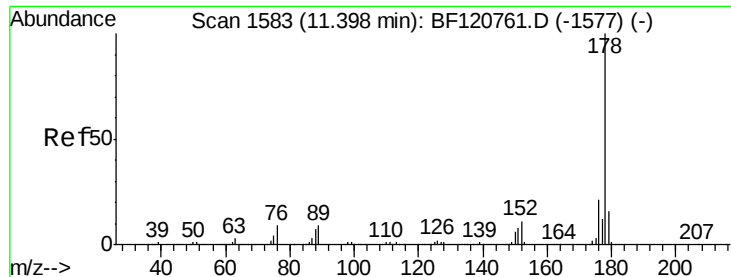
mohammad
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#70
Pentachlorophenol
Concen: 78.559 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.5	51.4	77.2
264	63.5	50.6	75.8





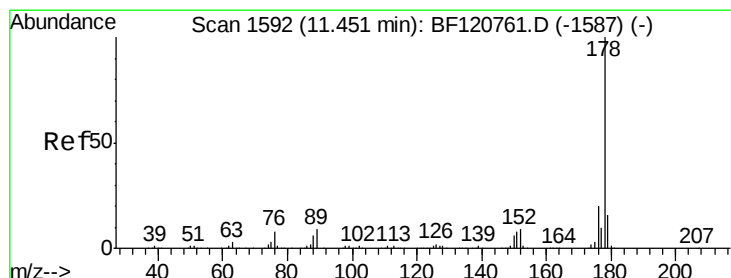
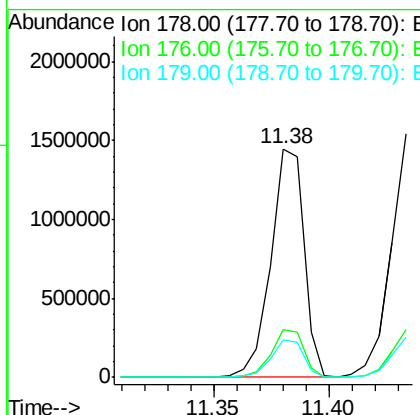
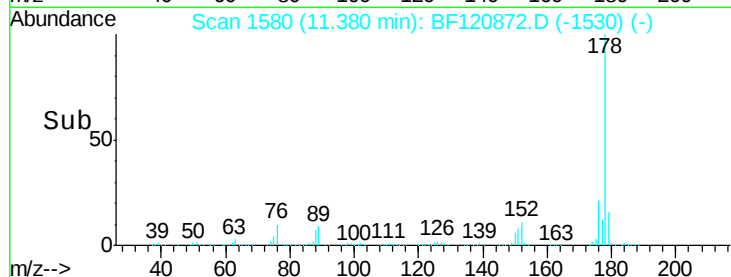
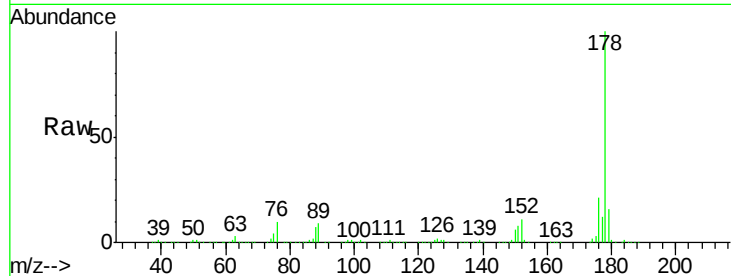
#71
Phenanthrene
Concen: 36.342 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion:178 Resp: 1442564
Ion Ratio Lower Upper
178 100
176 20.7 16.4 24.6
179 16.2 12.9 19.3

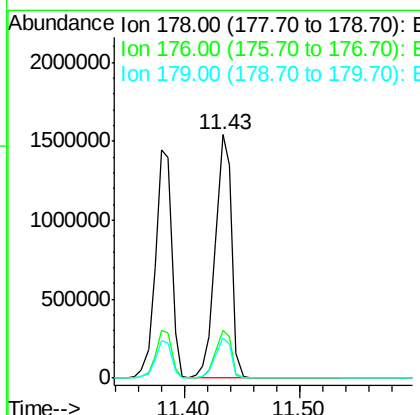
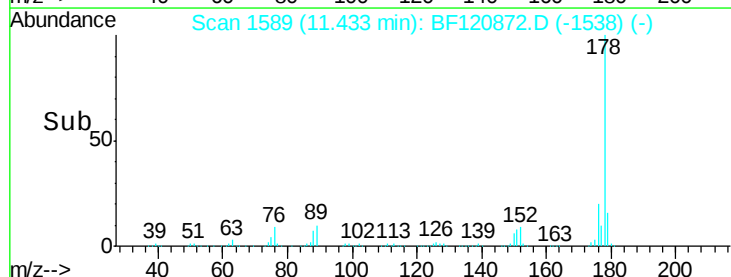
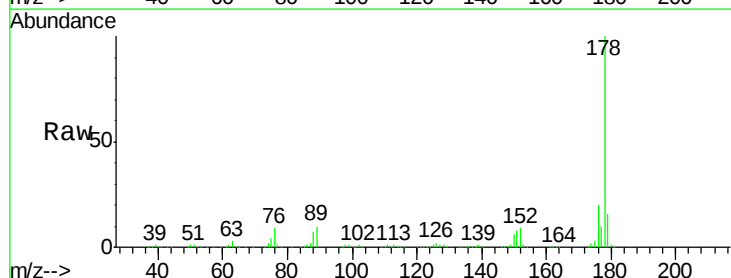
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#72
Anthracene
Concen: 37.587 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion:178 Resp: 1507675
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 16.4 12.7 19.1





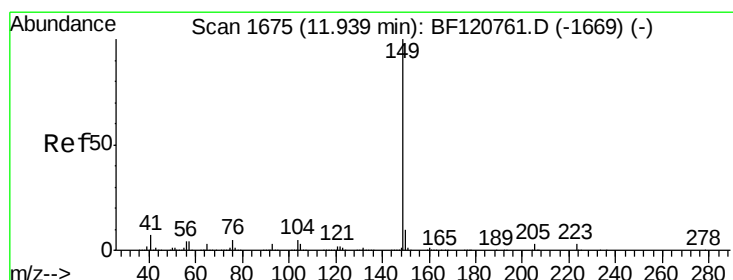
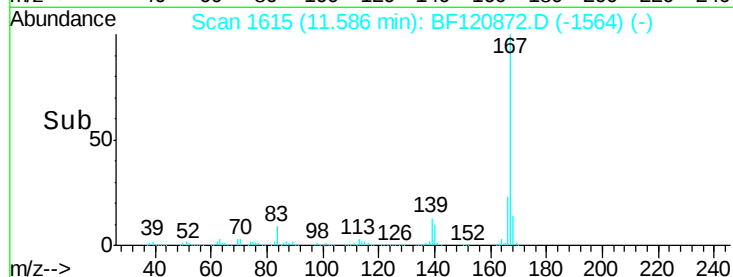
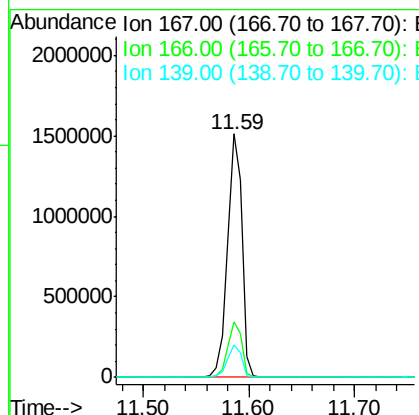
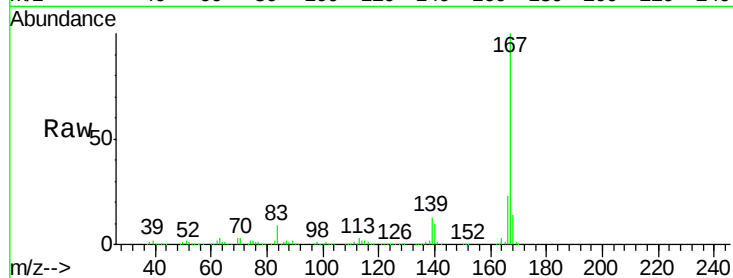
#73
 Carbazole
 Concen: 37.164 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.8	26.8
139	13.2	10.7	16.1

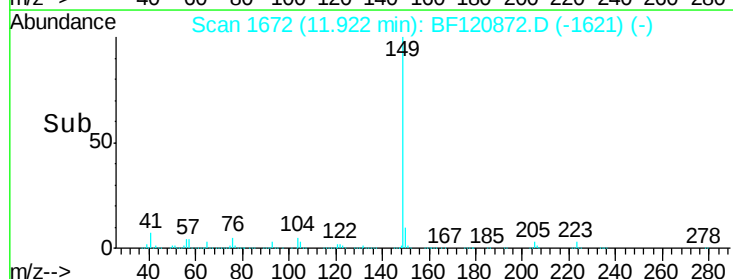
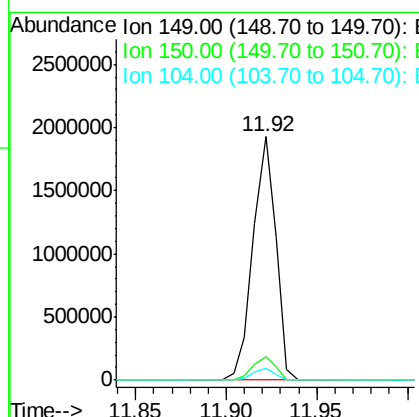
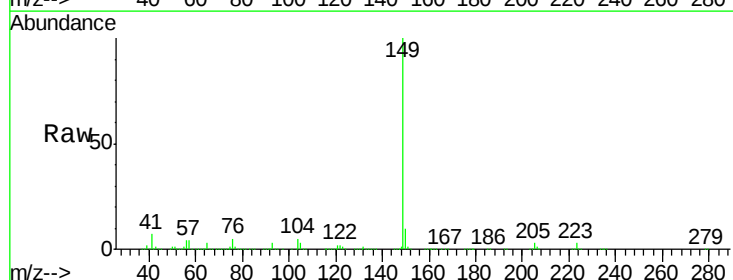
Manual Integrations
 APPROVED

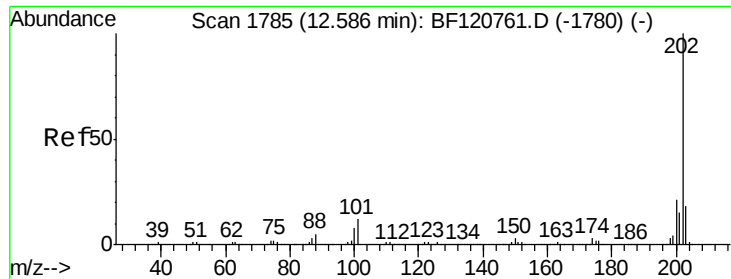
mohammad
 7/16/2020 11:05:01 AM



#74
 Di-n-butylphthalate
 Concen: 35.317 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	4.9	4.0	6.0





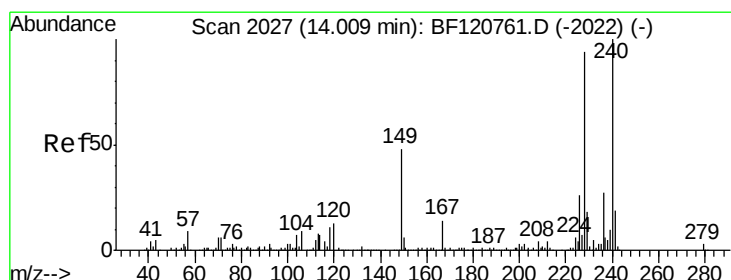
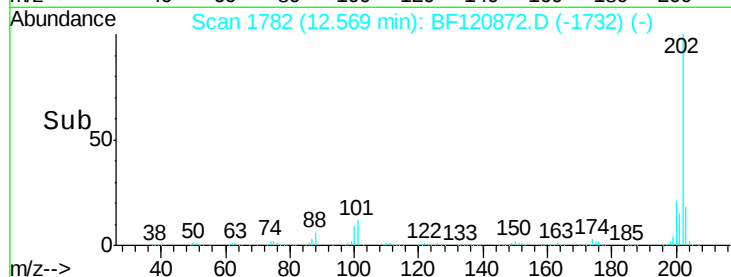
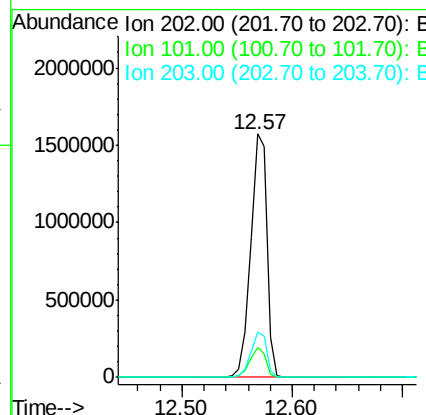
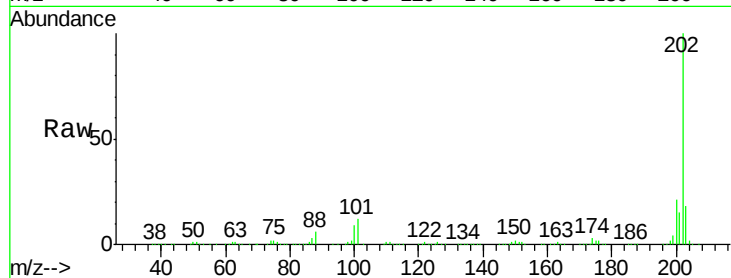
#75
Fluoranthene
Concen: 38.492 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.6
203	18.3	0.0	38.2

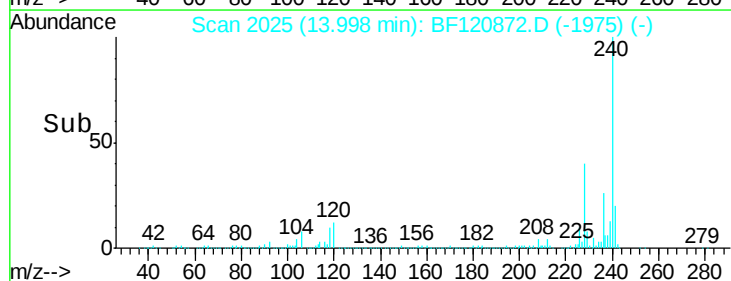
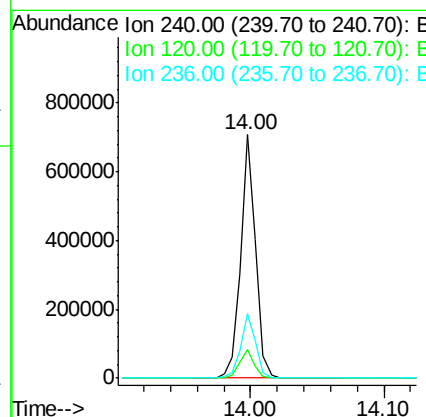
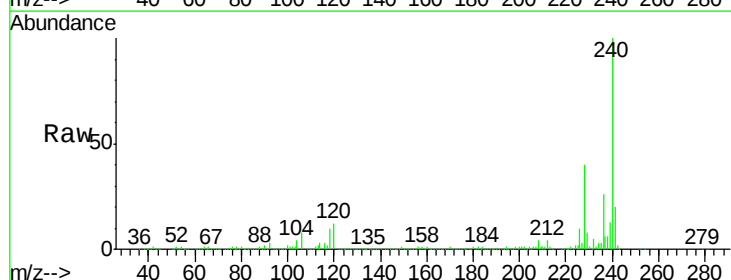
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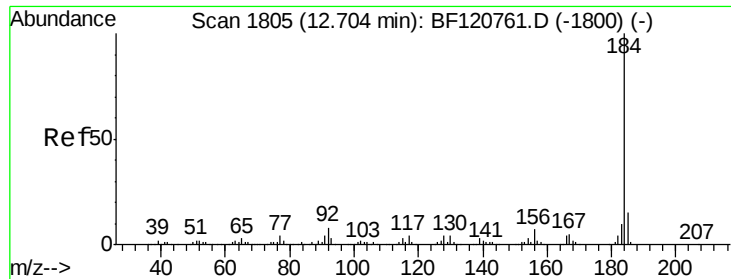
mohammad
7/16/2020 11:05:01 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.3	15.5
236	26.3	21.4	32.2





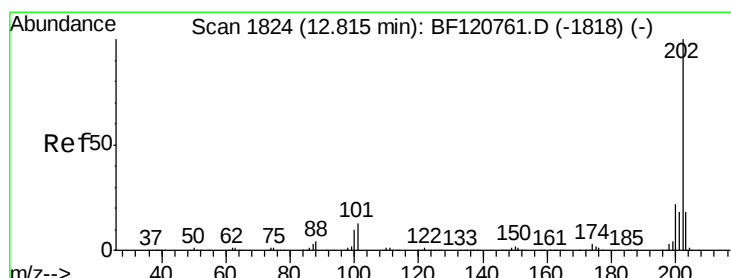
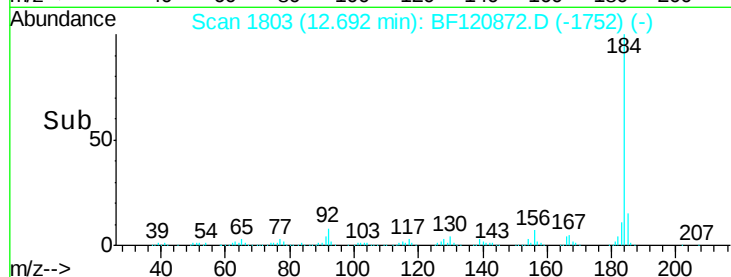
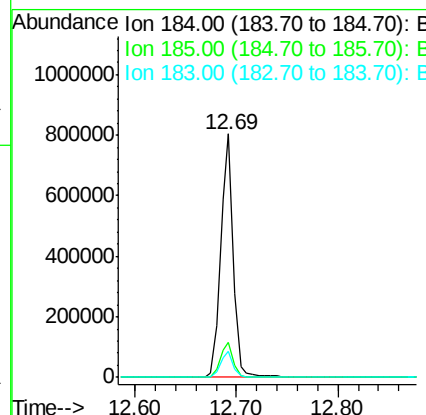
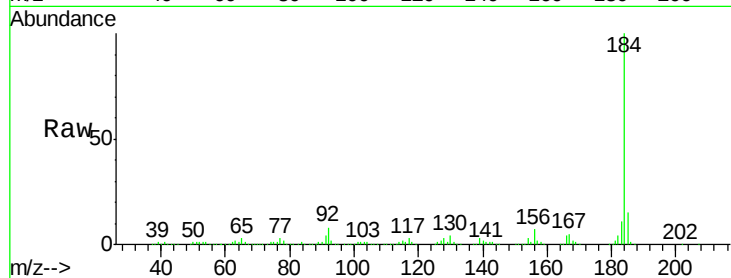
#77
Benzidine
Concen: 44.336 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.8
183	10.8	8.3	12.5

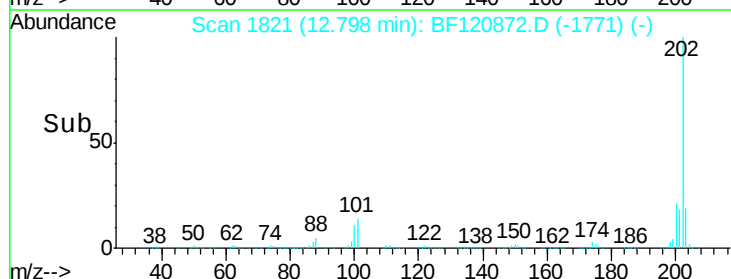
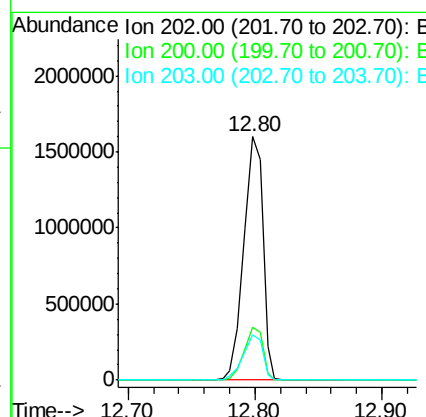
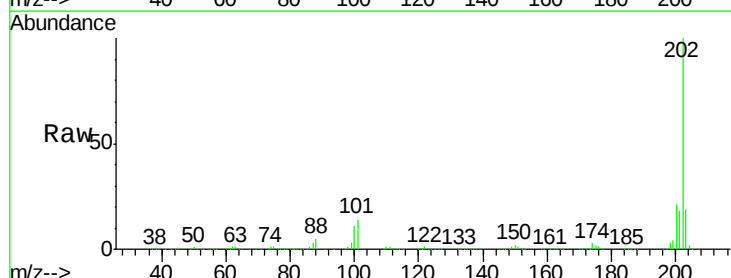
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#78
Pyrene
Concen: 37.607 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	18.5	14.6	22.0





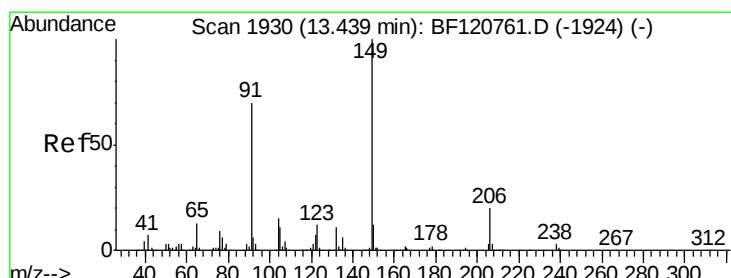
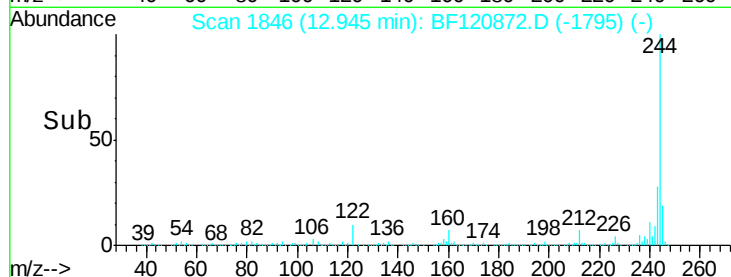
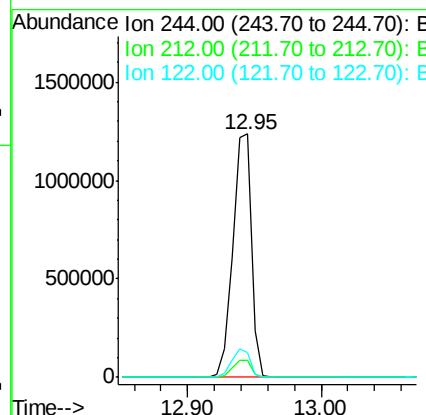
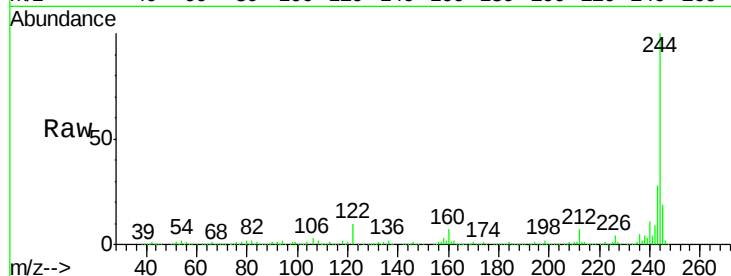
#79
 Terphenyl-d14
 Concen: 43.540 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.0	9.0	13.4

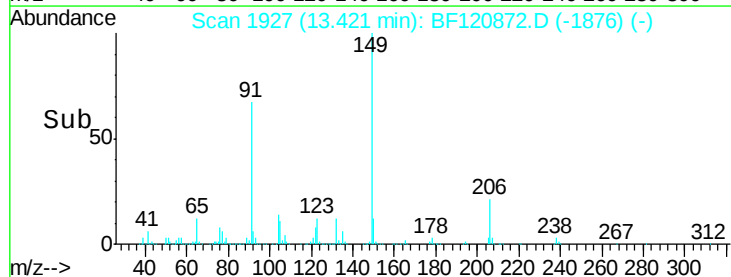
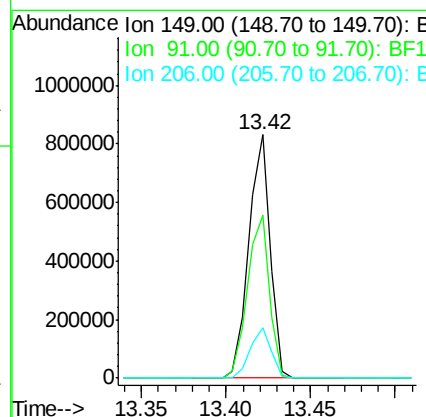
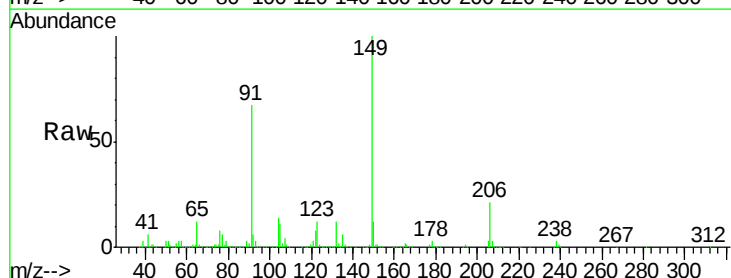
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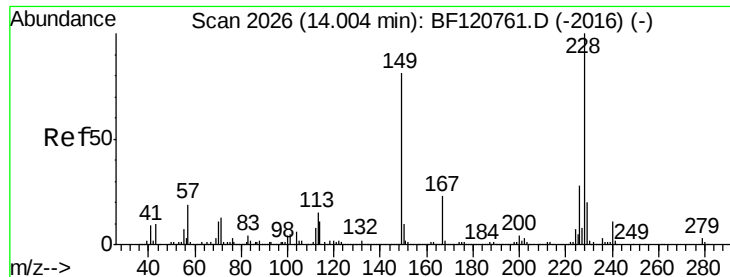
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#80
 Butylbenzylphthalate
 Concen: 38.636 ng
 RT: 13.42 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.8	55.8	83.8
206	20.8	15.7	23.5





#81

Benzo(a)anthracene

Concen: 36.152 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

Instrument :

BNA_F

ClientSampleId :

IRON-1MS

Tot Ion:228 Resp: 1280548

Ion Ratio Lower Upper

228 100

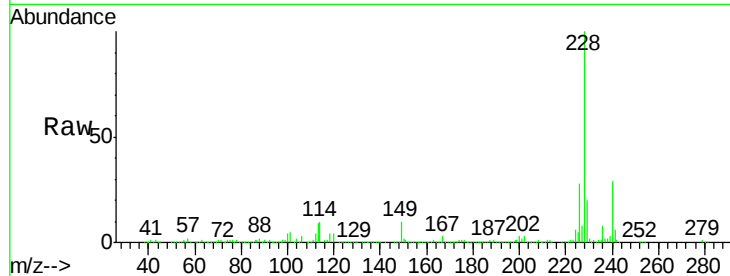
226 28.0 22.6 33.8

229 20.0 15.8 23.6

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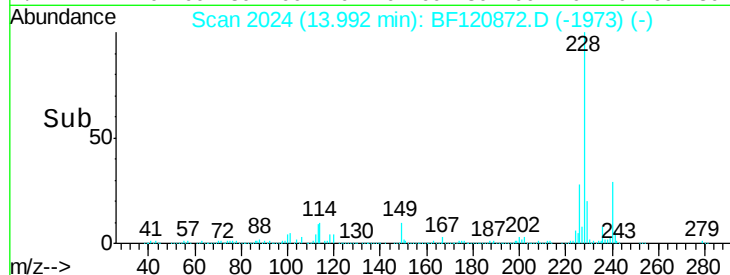
7/16/2020 11:05:01 AM



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



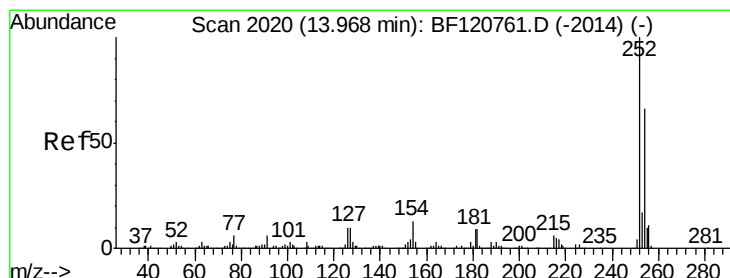
13.99

1000000

500000

0

Time--> 13.90 13.95 14.00



#82

3,3'-Dichlorobenzidine

Concen: 32.079 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF120872.D

Acq: 15 Jul 2020 14:42

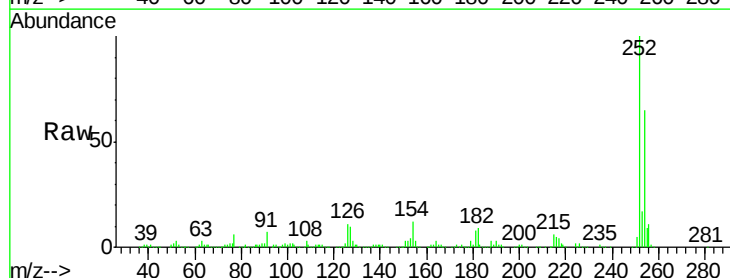
Tgt Ion:252 Resp: 383458

Ion Ratio Lower Upper

252 100

254 65.3 52.6 78.8

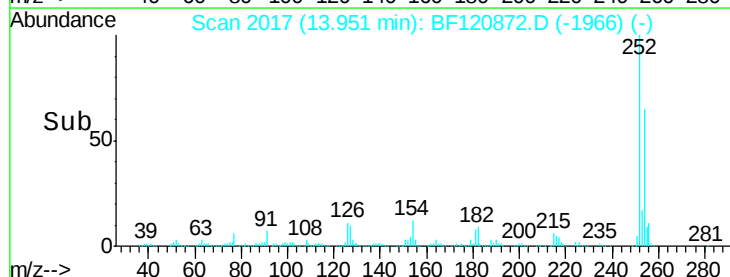
126 10.8 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



13.95

600000

500000

400000

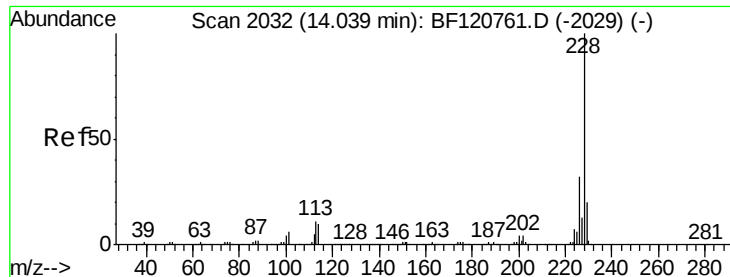
300000

200000

100000

0

Time--> 13.90 13.95 14.00



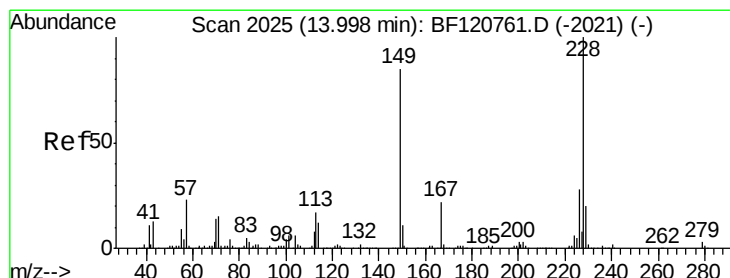
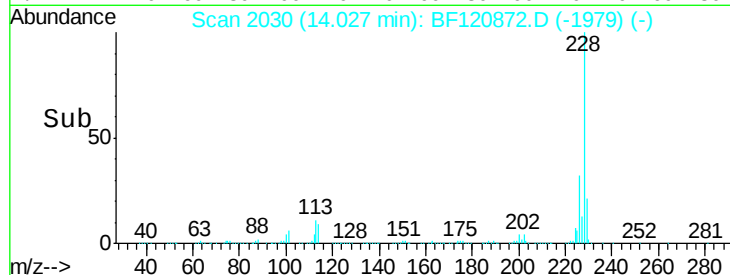
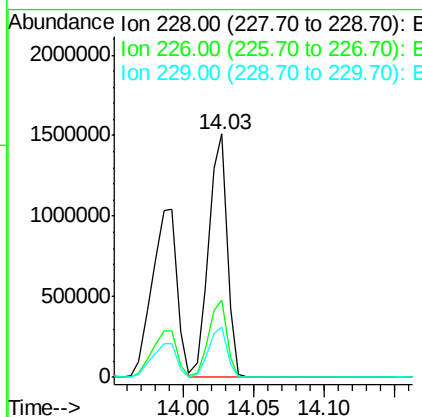
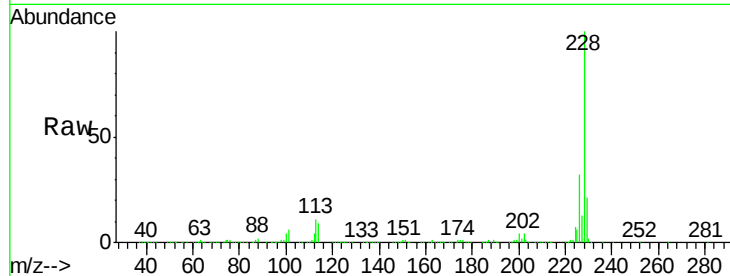
#83
Chrysene
Concen: 38.118 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion:228 Resp: 1377221
Ion Ratio Lower Upper
228 100
226 31.8 25.7 38.5
229 20.6 16.3 24.5

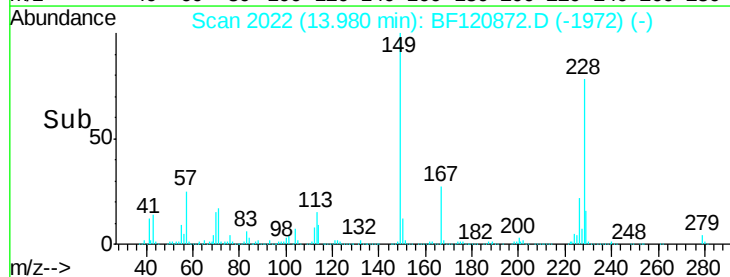
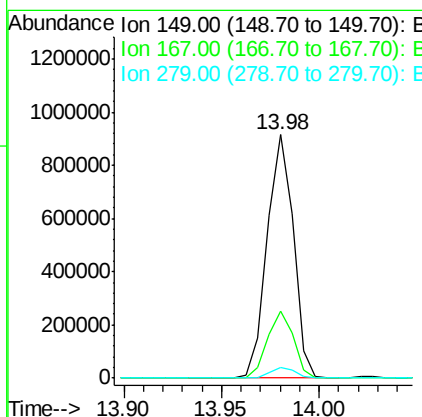
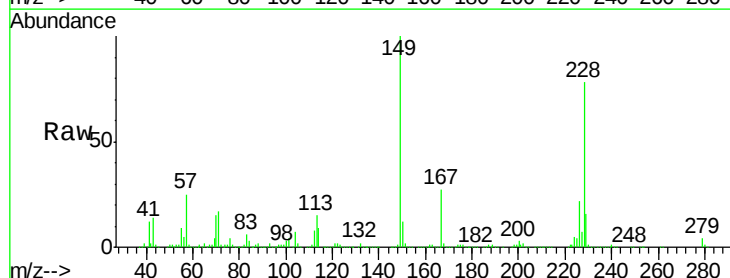
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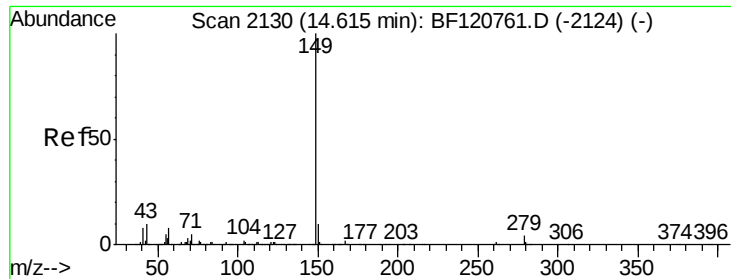
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 34.267 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion:149 Resp: 856170
Ion Ratio Lower Upper
149 100
167 27.3 20.9 31.3
279 4.1 2.6 4.0#





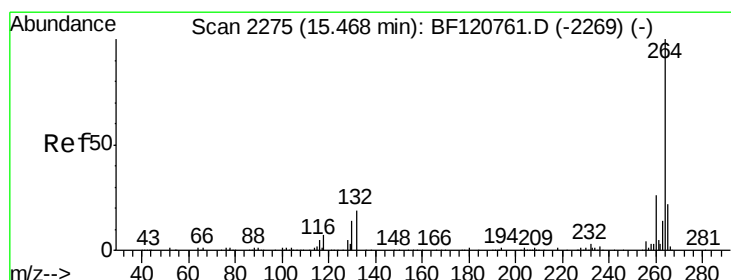
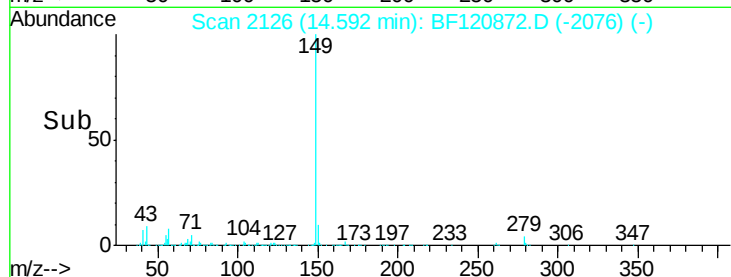
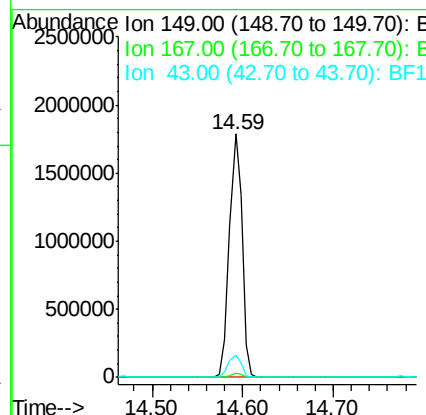
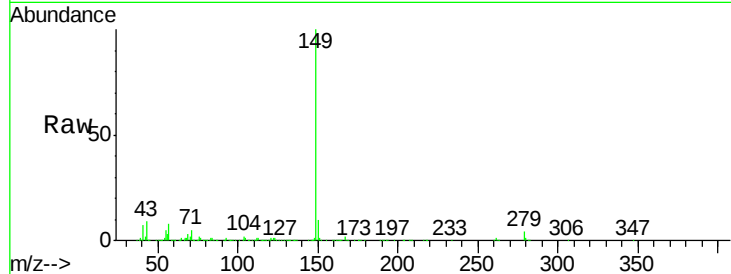
#85
Di-n-octyl phthalate
Concen: 38.478 ng
RT: 14.59 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.2	8.7	13.1

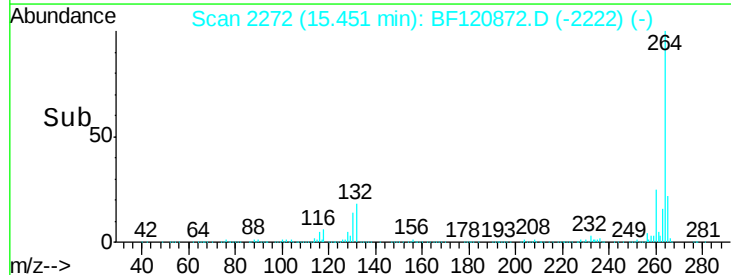
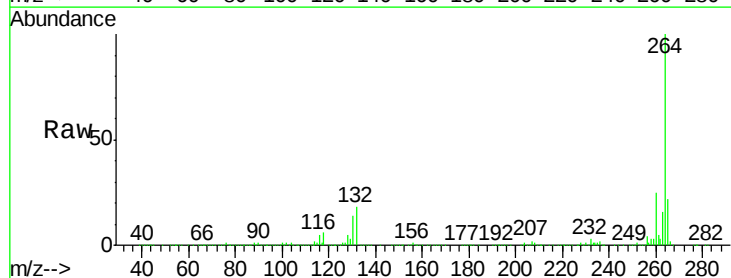
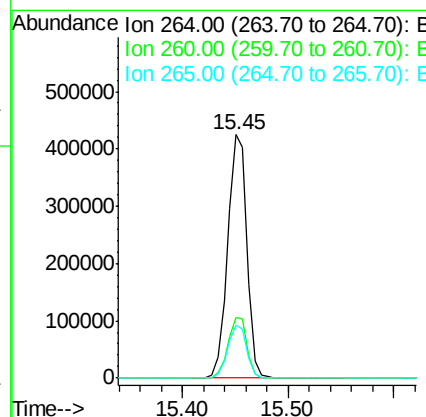
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.6	30.8
265	21.8	17.6	26.4





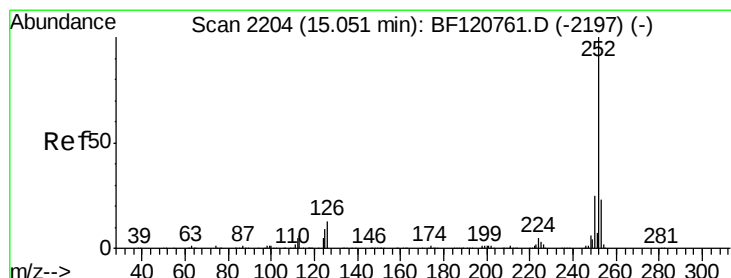
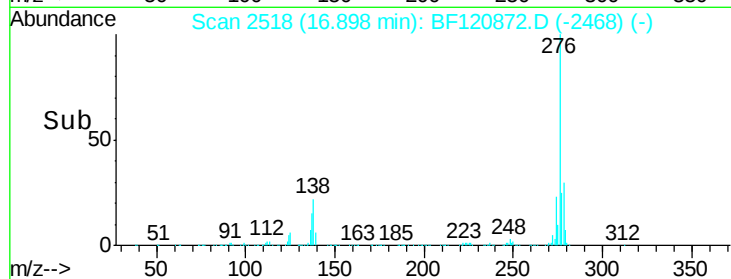
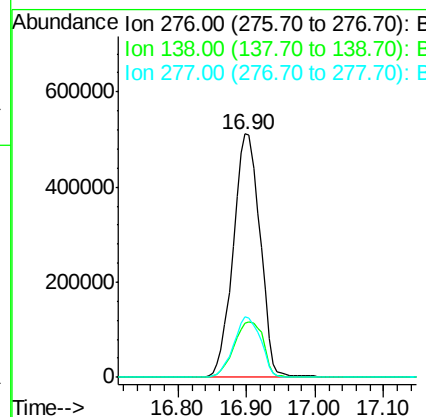
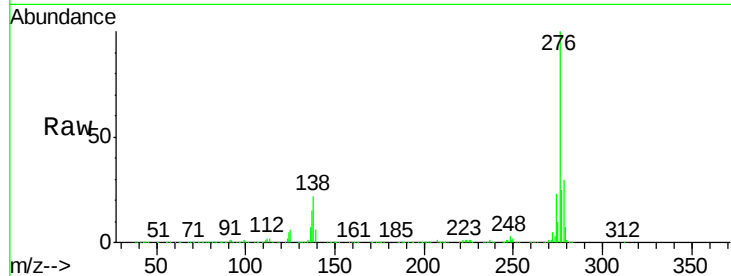
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 40.704 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	19.8	29.8
277	25.1	19.9	29.9

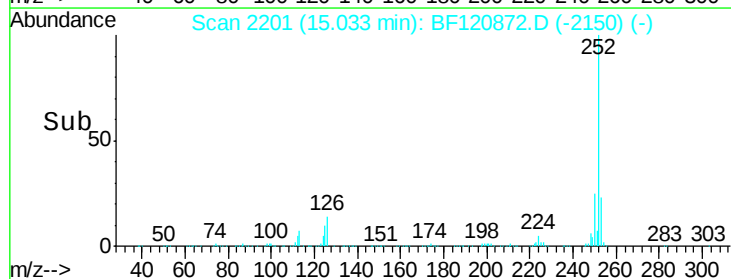
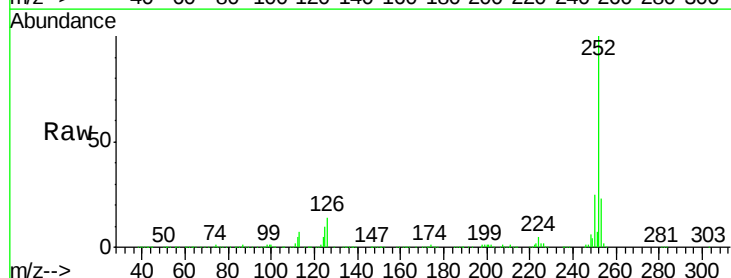
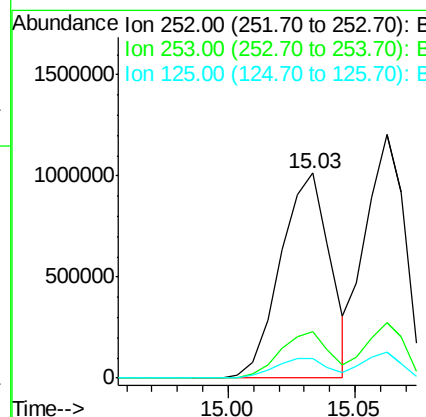
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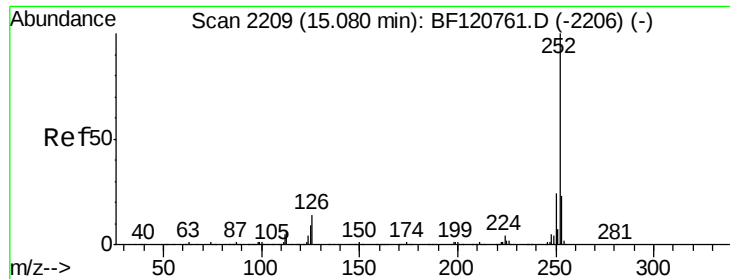
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#88
 Benzo(b)fluoranthene
 Concen: 39.276 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BF120872.D
 Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	9.9	7.5	11.3





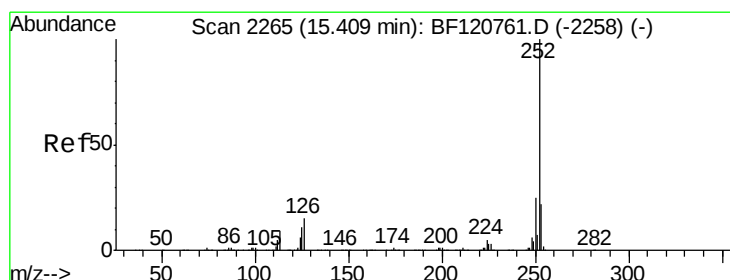
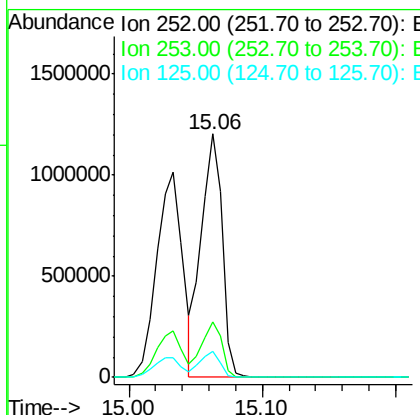
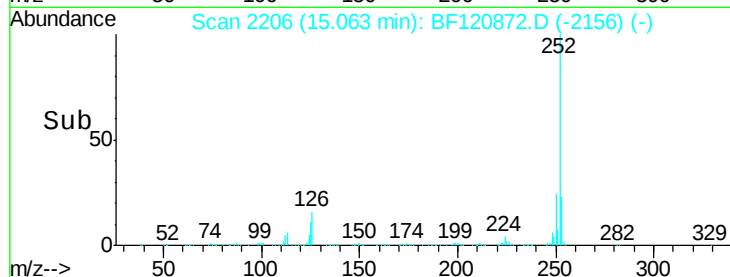
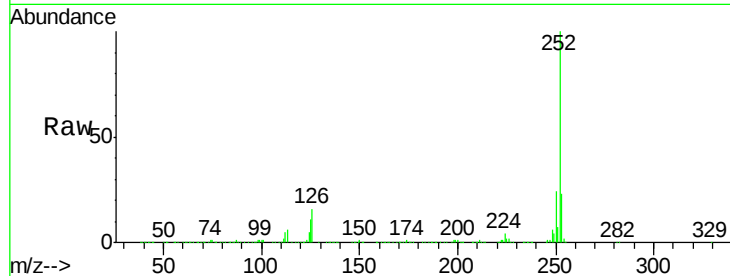
#89
Benzo(k)fluoranthene
Concen: 38.271 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.8	7.6	11.4

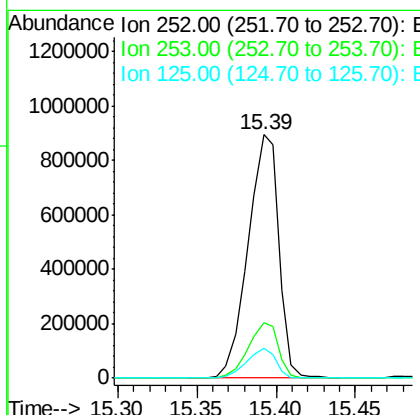
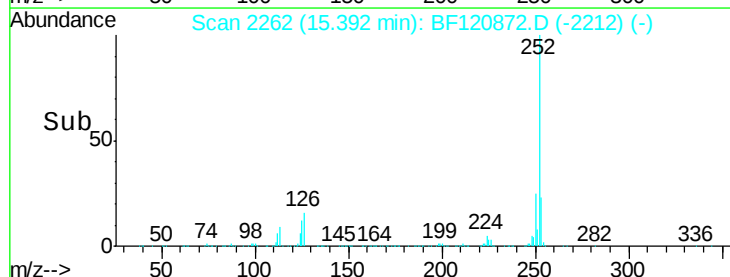
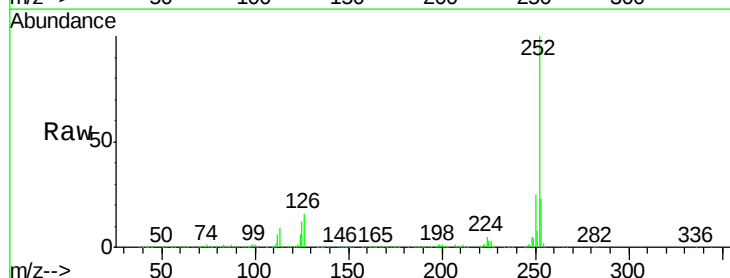
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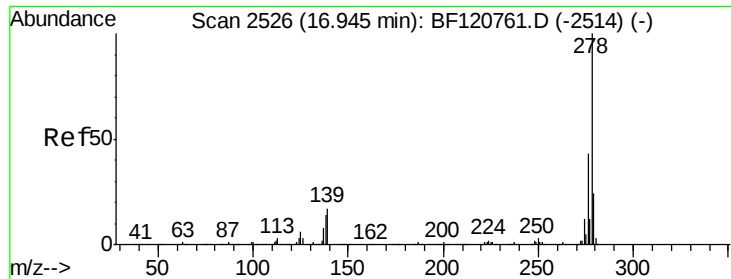
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#90
Benzo(a)pyrene
Concen: 38.530 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	12.0	9.2	13.8





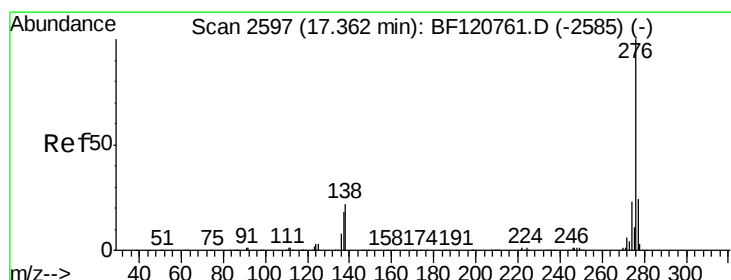
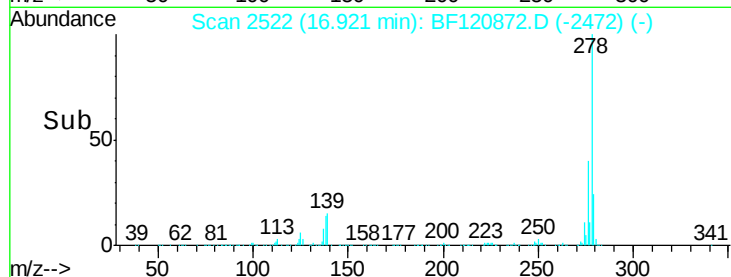
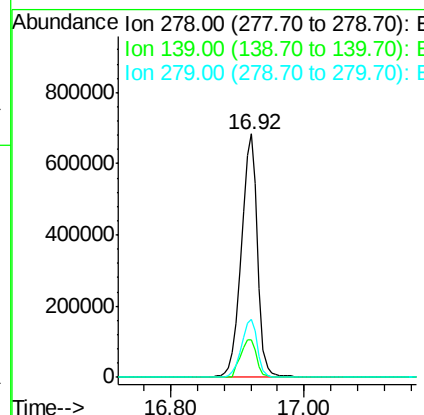
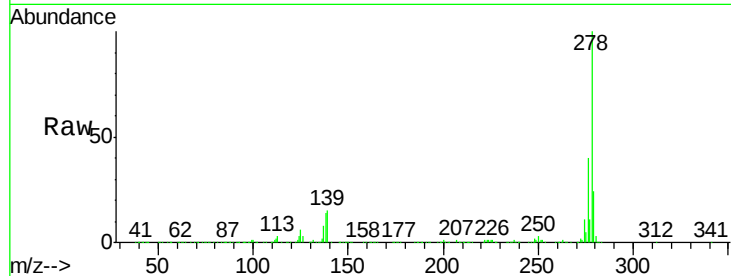
#91
Dibenzo(a,h)anthracene
Concen: 40.765 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Instrument :
BNA_F
ClientSampleId :
IRON-1MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.3	19.9
279	24.0	19.0	28.6

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#92
Benzo(g,h,i)perylene
Concen: 42.915 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.01 min
Lab File: BF120872.D
Acq: 15 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	21.3	17.4	26.2

