

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011720\
 Data File : BF118569.D
 Acq On : 17 Jan 2020 20:27
 Operator : JU
 Sample : L1005-05MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MSD

Manual Integrations
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mohammad
 1/21/2020 7:58:39 AM

Quant Time: Jan 18 01:36:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 17 15:49:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	339992	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1264871	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	687693	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1279856	20.00	ng	0.00
76) Chrysene-d12	14.05	240	991701	20.00	ng	0.00
87) Perylene-d12	15.52	264	923227	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	2772217	150.66	ng	0.01
7) Phenol-d6	6.52	99	3451610	143.16	ng	0.00
23) Nitrobenzene-d5	7.45	82	2368942	115.67	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	1238602	162.92	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	4260244	111.84	ng	0.00
79) Terphenyl-d14	13.00	244	4933222	98.24	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.86	88	419943	47.497	ng	# 83
3) Pyridine	3.61	79	661115	27.075	ng	99
4) n-Nitrosodimethylamine	3.47	42	549948	49.104	ng	# 98
6) Aniline	6.55	93	368220	11.668	ng	99
8) 2-Chlorophenol	6.67	128	1106994	52.897	ng	99
9) Benzaldehyde	6.43	77	170731	13.833	ng	100
10) Phenol	6.53	94	1255608	47.466	ng	100
11) bis(2-Chloroethyl)ether	6.62	93	1084323	51.179	ng	99
12) 1,3-Dichlorobenzene	6.83	146	1218024	48.944	ng	98
13) 1,4-Dichlorobenzene	6.90	146	1242161	49.685	ng	98
14) 1,2-Dichlorobenzene	7.06	146	1172044	50.106	ng	97
15) Benzyl Alcohol	7.03	79	978379	49.446	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.16	45	1441083	46.366	ng	99
17) 2-Methylphenol	7.13	107	906715	51.044	ng	98
18) Hexachloroethane	7.40	117	442056	48.520	ng	96
19) n-Nitroso-di-n-propylamine	7.30	70	858781	49.669	ng	98
20) 3+4-Methylphenols	7.29	107	1155739	54.408	ng	94
22) Acetophenone	7.30	105	1542154	50.242	ng	# 95
24) Nitrobenzene	7.47	77	1211501	55.626	ng	99
25) Isophorone	7.71	82	2190225	49.276	ng	99
26) 2-Nitrophenol	7.79	139	523702	54.647	ng	96
27) 2,4-Dimethylphenol	7.82	122	1052179	59.521	ng	100
28) bis(2-Chloroethoxy)methane	7.92	93	1345315	47.108	ng	99
29) 2,4-Dichlorophenol	8.03	162	992328	50.999	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	1082067	47.719	ng	99
31) Naphthalene	8.19	128	3162625	53.019	ng	99
32) Benzoic acid	7.93	122	560014	46.531	ng	99
33) 4-Chloroaniline	8.24	127	82067m	2.961	ng	
34) Hexachlorobutadiene	8.32	225	640447	45.281	ng	100
35) Caprolactam	8.60	113	242329m	40.033	ng	
36) 4-Chloro-3-methylphenol	8.72	107	982956	50.960	ng	98
37) 2-Methylnaphthalene	8.89	142	2220663	52.547	ng	100
38) 1-Methylnaphthalene	8.99	142	2089335	52.259	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	1092752	49.265	ng	99

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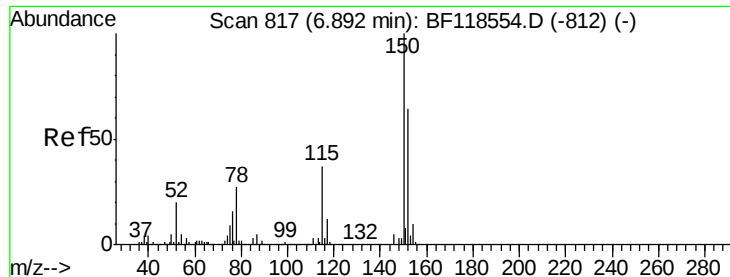
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	1373366	118.504	nq	97
43) 2,4,6-Trichlorophenol	9.16	196	823040	58.238	nq	98
44) 2,4,5-Trichlorophenol	9.20	196	709329	49.645	nq	96
46) 1,1'-Biphenyl	9.35	154	2636245	53.650	nq	98
47) 2-Chloronaphthalene	9.37	162	2105129	50.828	nq	98
48) 2-Nitroaniline	9.46	65	596715	55.395	nq	98
49) Acenaphthylene	9.79	152	3159112	54.022	nq	99
50) Dimethylphthalate	9.65	163	2168026	45.916	nq	99
51) 2,6-Dinitrotoluene	9.70	165	548214	60.852	nq	95
52) Acenaphthene	9.96	154	2171445	56.682	nq	99
53) 3-Nitroaniline	9.87	138	116274	11.393	nq	91
54) 2,4-Dinitrophenol	9.97	184	448632	111.873	nq	# 1
55) Dibenzofuran	10.13	168	2923033	53.918	nq	97
56) 4-Nitrophenol	10.03	139	921989	122.298	nq	97
57) 2,4-Dinitrotoluene	10.11	165	663561	55.055	nq	96
58) Fluorene	10.48	166	2300941	54.809	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.25	232	657569	53.795	nq	98
60) Diethylphthalate	10.35	149	2390964	51.869	nq	99
61) 4-Chlorophenyl-phenylether	10.47	204	1220350	53.135	nq	99
62) 4-Nitroaniline	10.49	138	406111	40.066	nq	97
63) Azobenzene	10.63	77	2323161	51.710	nq	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	320197	58.743	nq	91
66) n-Nitrosodiphenylamine	10.59	169	1911587	46.483	nq	100
67) 4-Bromophenyl-phenylether	10.96	248	822161	47.989	nq	# 94
68) Hexachlorobenzene	11.03	284	893748	47.076	nq	97
69) Atrazine	11.11	200	516583	43.530	nq	100
70) Pentachlorophenol	11.22	266	1058662	113.462	nq	99
71) Phenanthrene	11.44	178	3302392	51.334	nq	100
72) Anthracene	11.49	178	3351381	52.215	nq	100
73) Carbazole	11.64	167	2779894	48.023	nq	99
74) Di-n-butylphthalate	11.97	149	3564225	49.547	nq	100
75) Fluoranthene	12.63	202	3491908	50.474	nq	98
77) Benzidine	12.74	184	10332	0.429	nq	# 90
78) Pyrene	12.86	202	3539321	47.818	nq	99
80) Butylbenzylphthalate	13.47	149	1557282	49.083	nq	94
81) Benzo(a)anthracene	14.04	228	3106747	49.631	nq	98
82) 3,3'-Dichlorobenzidine	14.00	252	174279	7.936	nq	97
83) Chrysene	14.07	228	3039708	50.485	nq	100
84) Bis(2-ethylhexyl)phthalate	14.03	149	2089674	53.063	nq	99
85) Di-n-octyl phthalate	14.64	149	3413721	56.607	nq	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	3353490	56.598	nq	100
88) Benzo(b)fluoranthene	15.09	252	3022812	50.271	nq	100
89) Benzo(k)fluoranthene	15.12	252	2967522	54.607	nq	99
90) Benzo(a)pyrene	15.46	252	2636628	50.393	nq	99
91) Dibenzo(a,h)anthracene	17.02	278	2810831	57.520	nq	99
92) Benzo(g,h,i)perylene	17.45	276	2769964	58.682	nq	99

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



#1

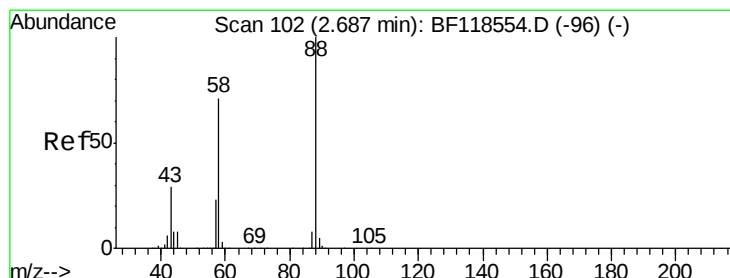
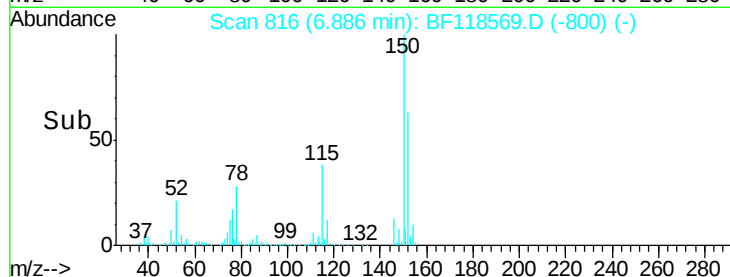
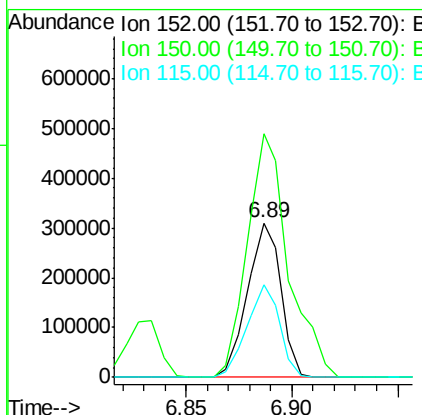
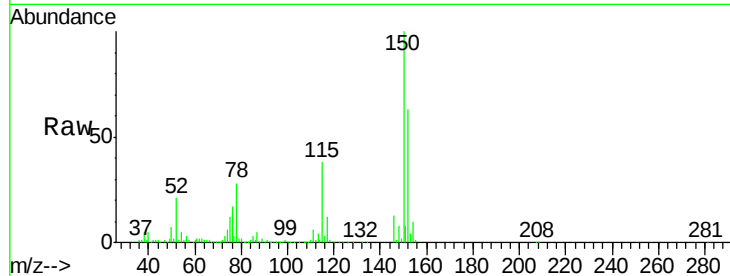
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.9	187.3
115	59.7	45.8	68.6

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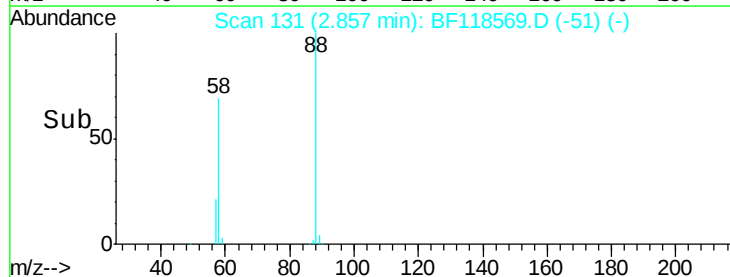
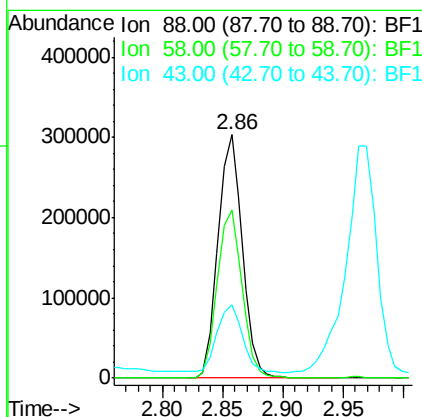
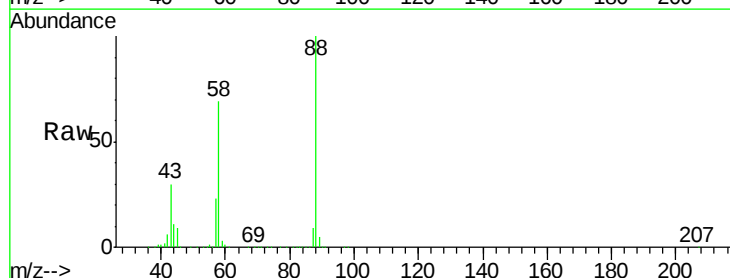
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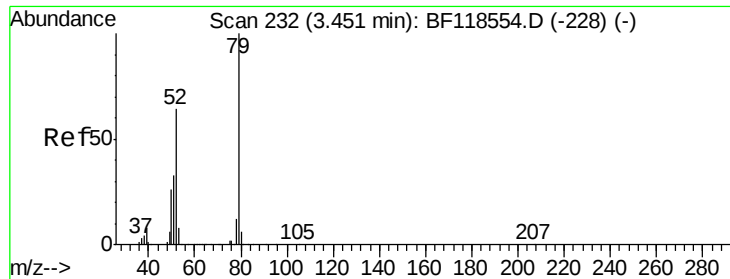


#2

1,4-Dioxane
Concen: 47.497 ng
RT: 2.86 min Scan# 131
Delta R.T. 0.17 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.9	56.7	85.1
43	0.0	23.3	34.9#





#3

Pvridine

Concen: 27.075 ng

RT: 3.61 min Scan# 259

Delta R.T. 0.16 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

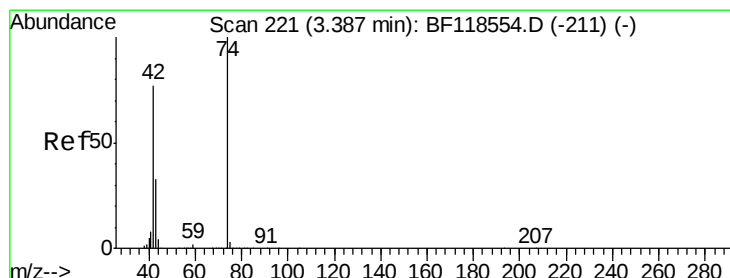
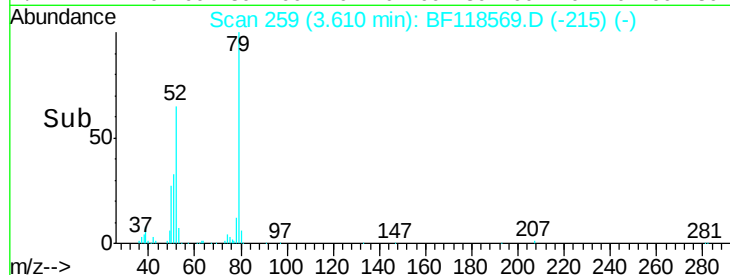
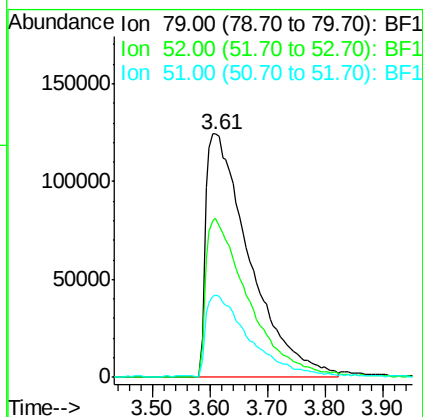
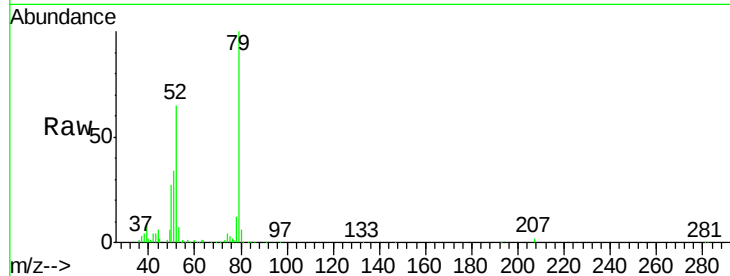
ClientSampleId :

HR-05-011420MSD

Tot Ion:	79	Resp:	661115
Ion Ratio	Lower	Upper	
79	100		
52	65.1	51.3	76.9
51	33.7	26.7	40.1

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#4

n-Nitrosodimethylamine

Concen: 49.104 ng

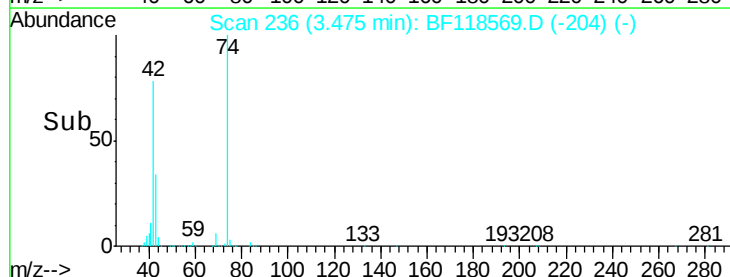
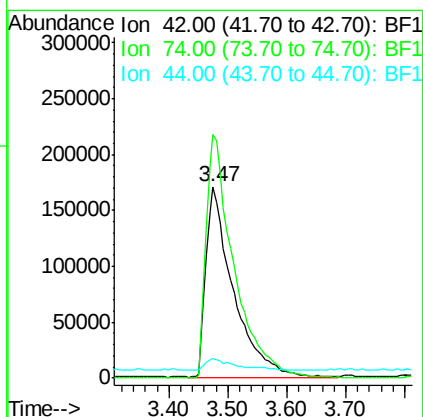
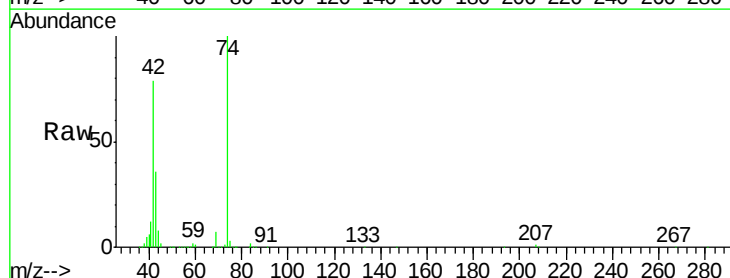
RT: 3.47 min Scan# 236

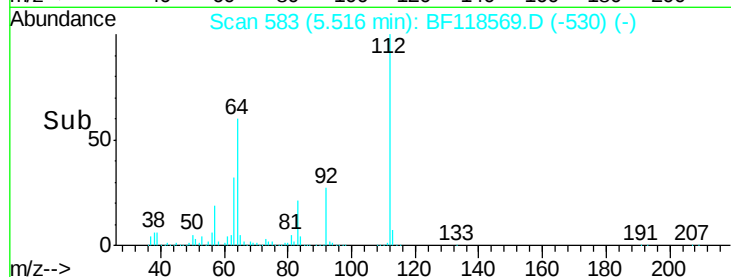
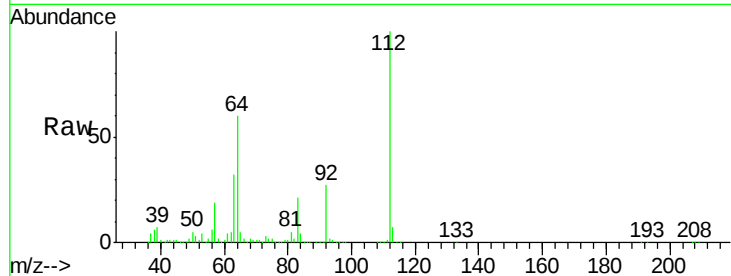
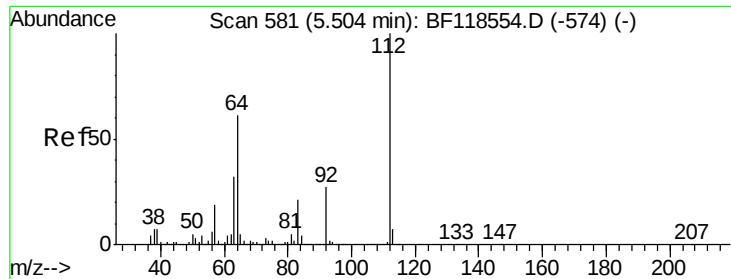
Delta R.T. 0.09 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tgt Ion:	42	Resp:	549948
Ion Ratio	Lower	Upper	
42	100		
74	127.3	103.1	154.7
44	10.2	5.4	8.2#





#5

2-Fluorophenol

Concen: 150.659 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tot Ion:	112	Resp:	2772217
Ion Ratio	Lower	Upper	
112	100		
64	60.0	49.1	73.7
63	32.2	25.8	38.8

Instrument :

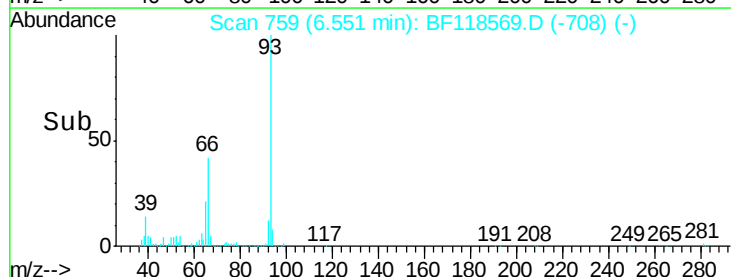
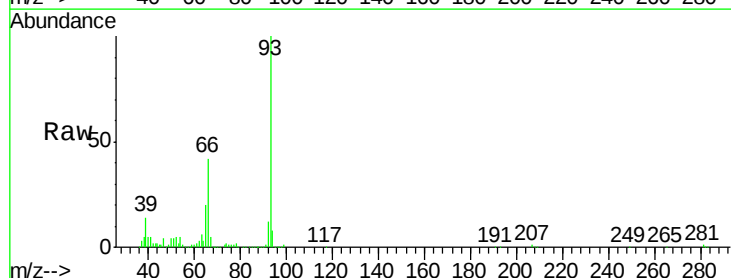
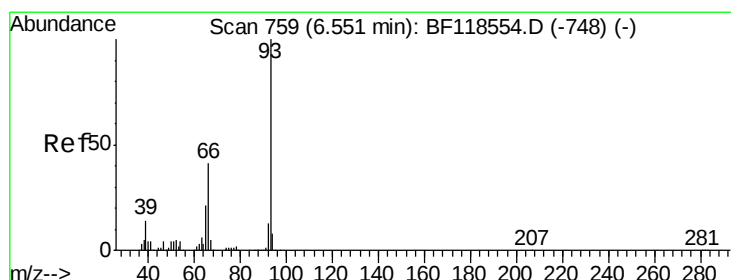
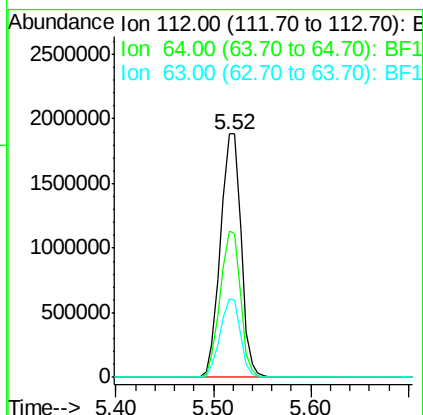
BNA_F

ClientSampleId :

HR-05-011420MSD

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#6

Aniline

Concen: 11.668 ng

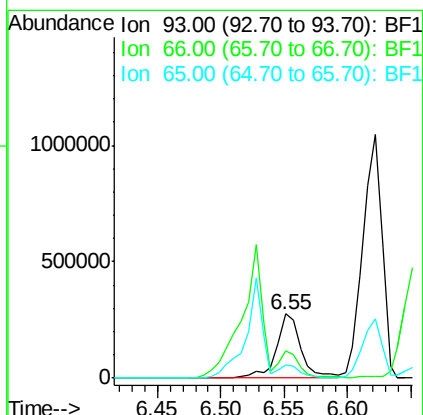
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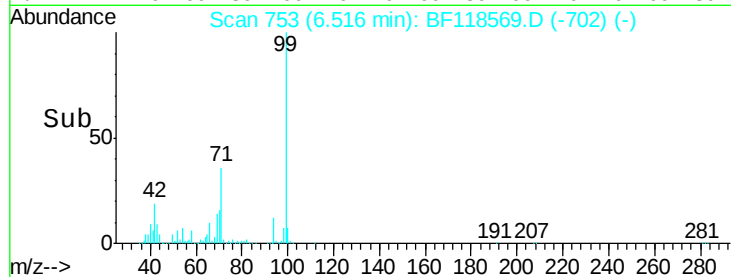
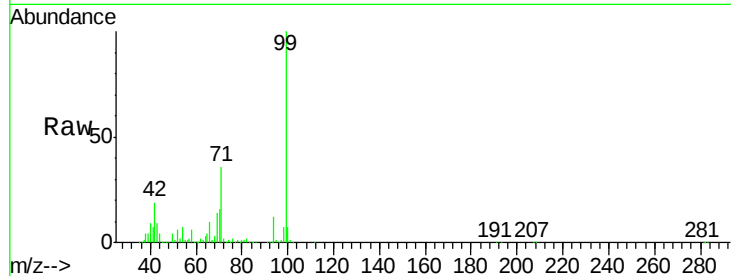
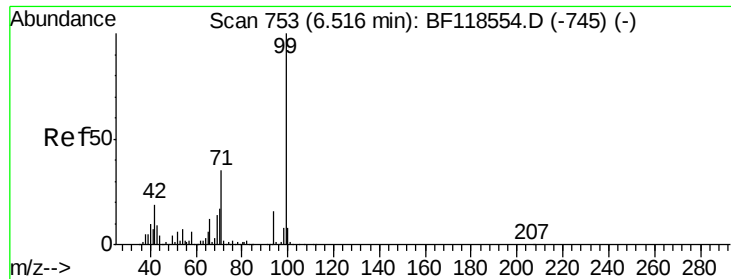
Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tgt Ion:	93	Resp:	368220
Ion Ratio	Lower	Upper	
93	100		
66	41.6	32.9	49.3
65	20.5	16.5	24.7





#7

Phenol-d6

Concen: 143.159 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tot Ion: 99 Resp: 3451610

Ion Ratio Lower Upper

99 100

42 18.9 14.9 22.3

71 35.7 28.3 42.5

Instrument :

BNA_F

ClientSampleId :

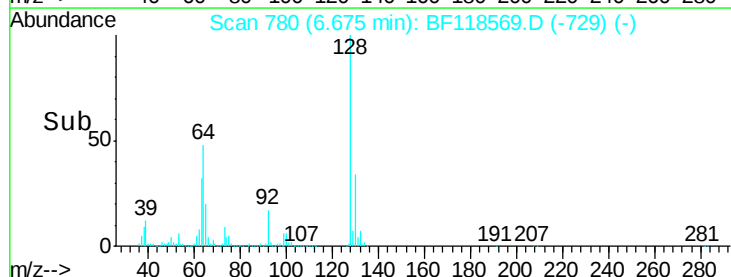
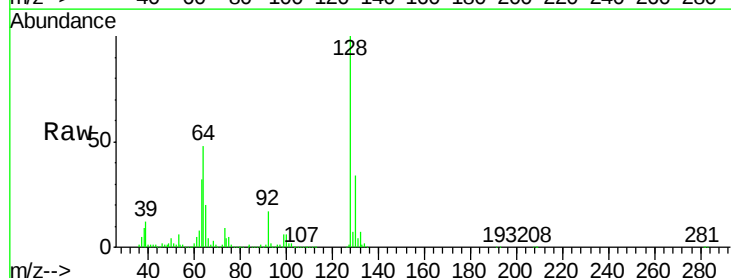
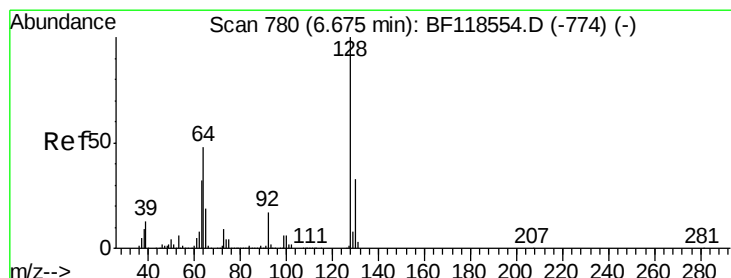
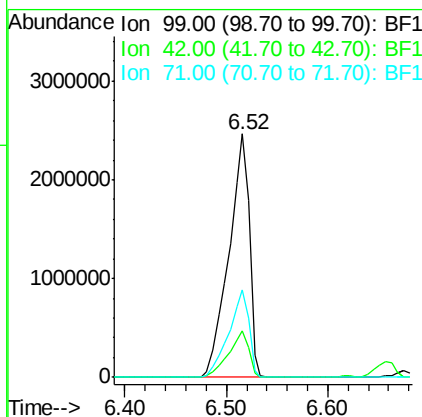
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#8

2-Chlorophenol

Concen: 52.897 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

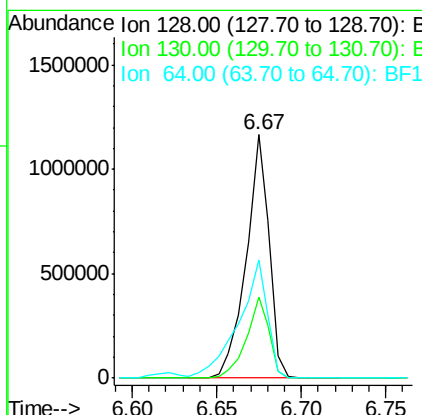
Tgt Ion:128 Resp: 1106994

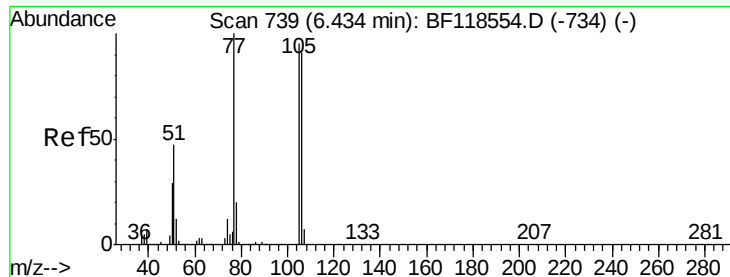
Ion Ratio Lower Upper

128 100

130 33.5 13.2 53.2

64 48.4 28.9 68.9





#9

Benzaldehyde

Concen: 13.833 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

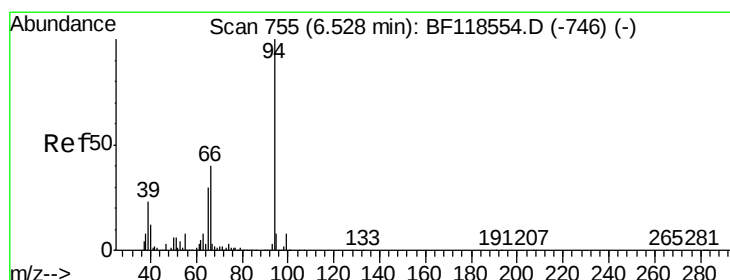
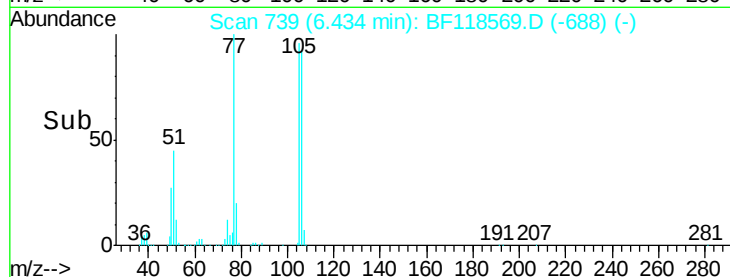
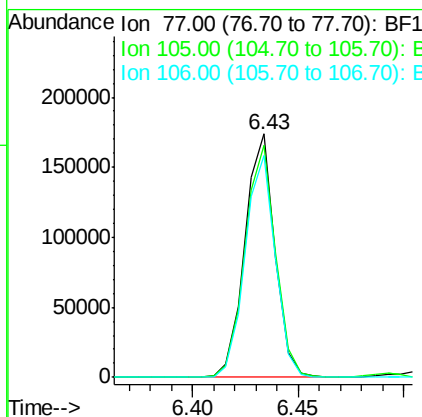
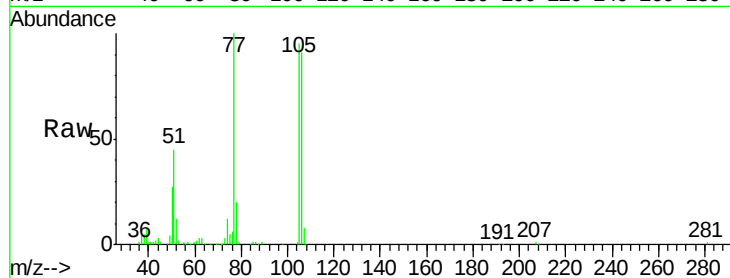
ClientSampleId :

HR-05-011420MSD

Tot Ion:	77	Resp:	170731
Ion Ratio	Lower	Upper	
77	100		
105	95.1	75.2	115.2
106	91.2	71.4	111.4

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#10

Phenol

Concen: 47.466 ng

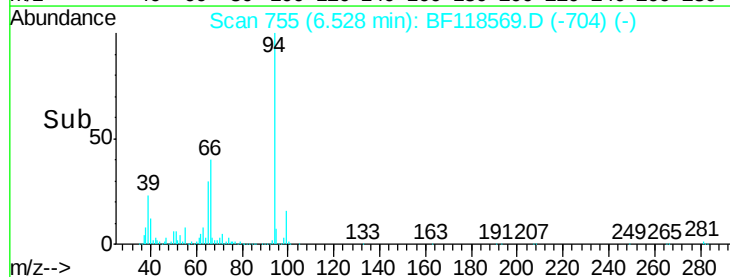
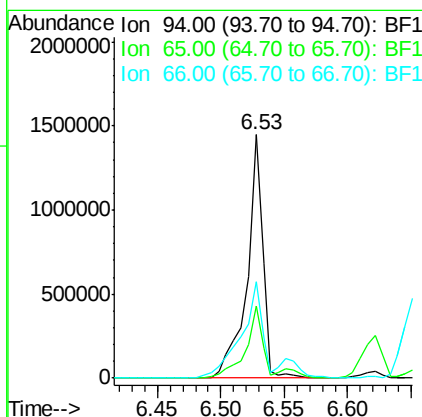
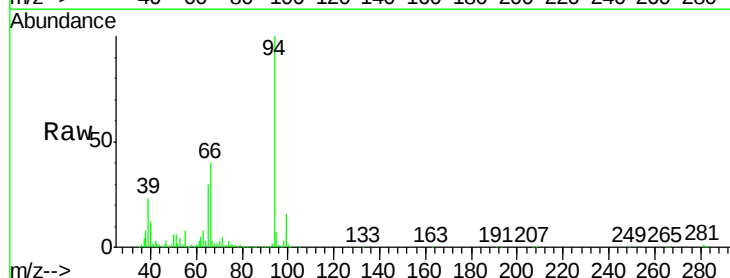
RT: 6.53 min Scan# 755

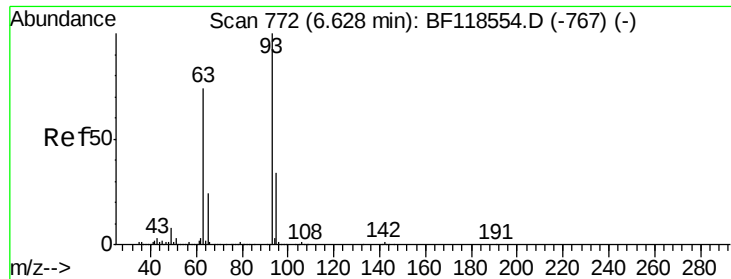
Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tgt Ion:	94	Resp:	1255608
Ion Ratio	Lower	Upper	
94	100		
65	29.8	9.8	49.8
66	39.6	19.5	59.5





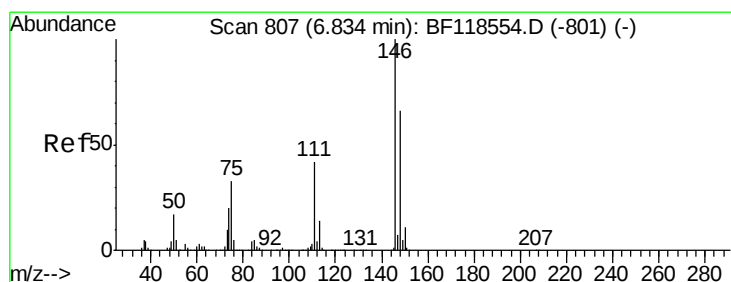
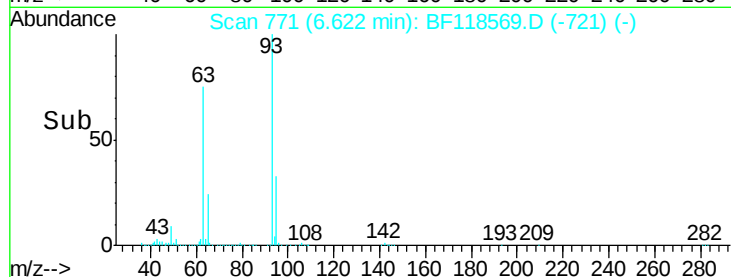
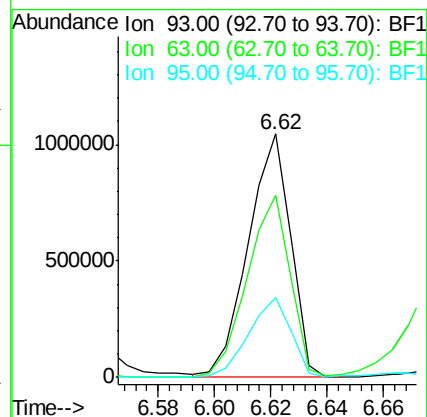
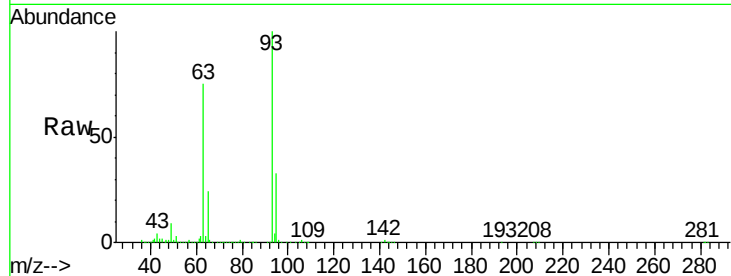
#11
bis(2-Chloroethyl)ether
Concen: 51.179 ng
RT: 6.62 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.0	54.0	94.0
95	32.8	13.5	53.5

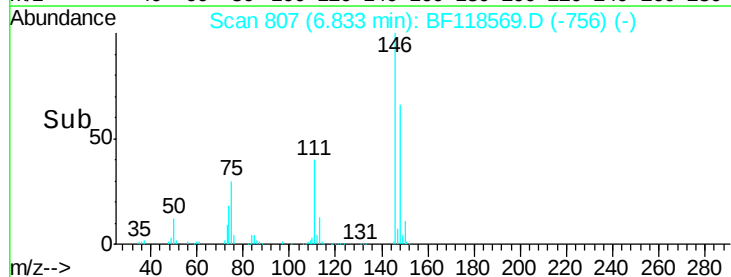
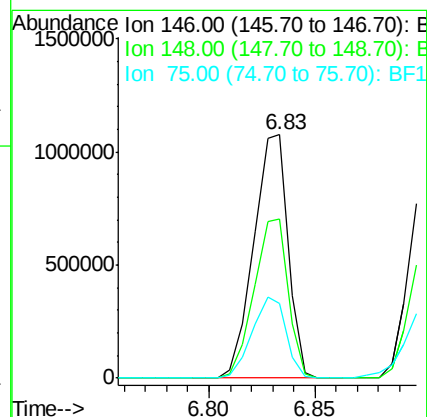
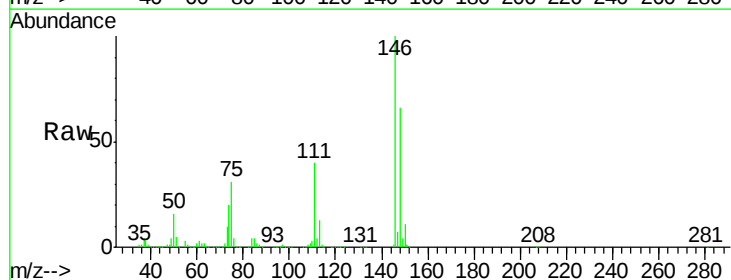
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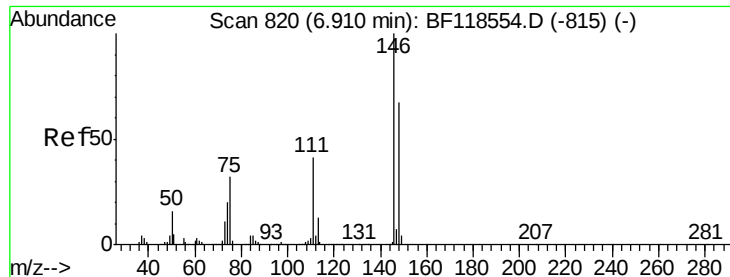
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#12
1,3-Dichlorobenzene
Concen: 48.944 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	53.0	79.6
75	30.9	26.5	39.7





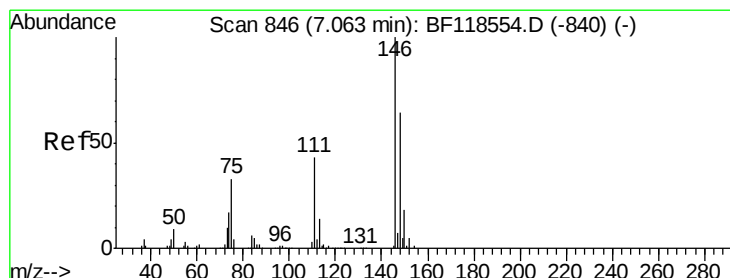
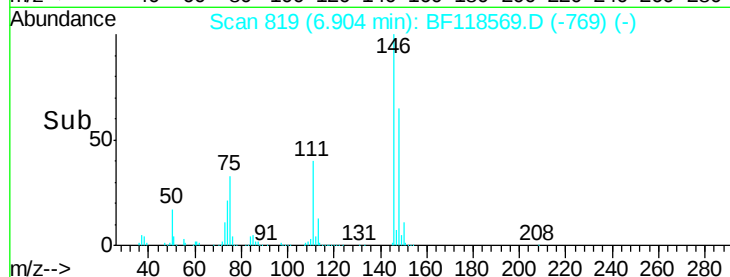
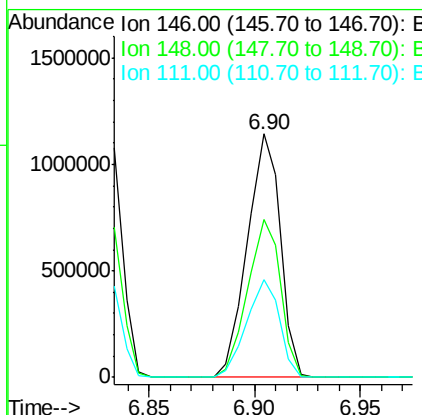
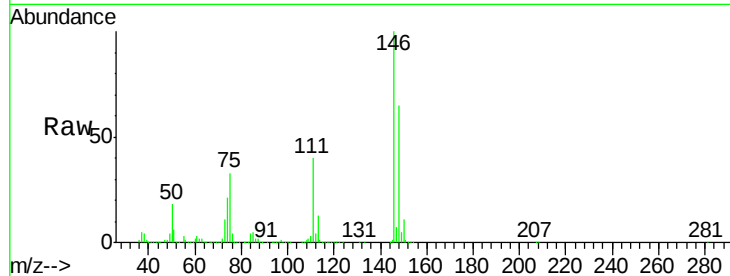
#13
1,4-Dichlorobenzene
Concen: 49.685 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	53.4	80.2
111	40.1	32.6	48.8

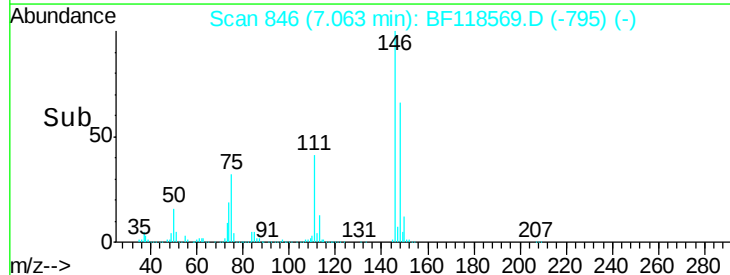
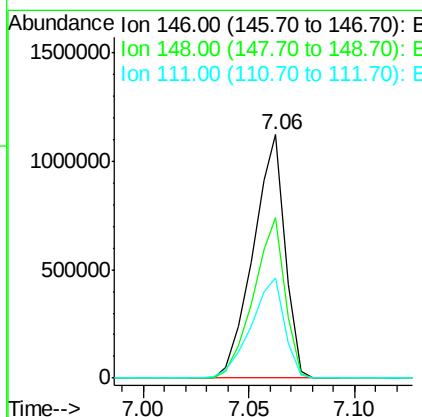
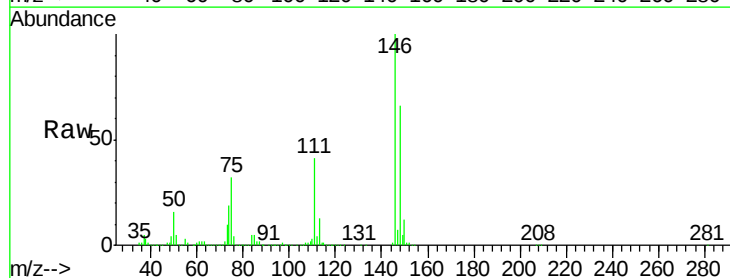
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#14
1,2-Dichlorobenzene
Concen: 50.106 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.2	76.8
111	41.4	34.6	52.0





#15

Benzyl Alcohol

Concen: 49.446 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion: 79 Resp: 978379

Ion Ratio Lower Upper

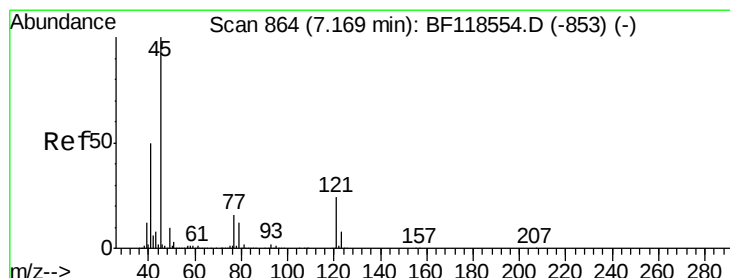
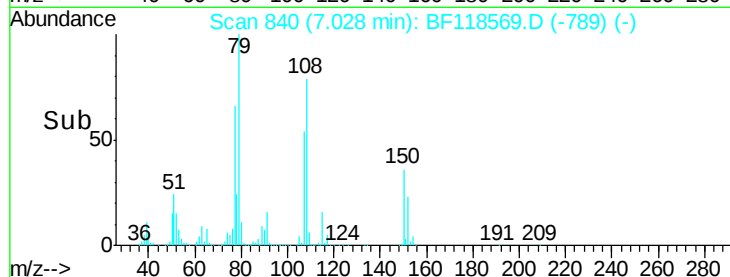
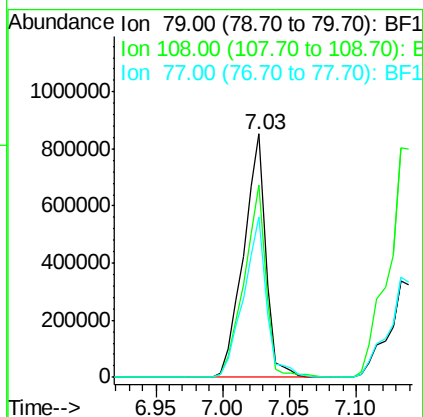
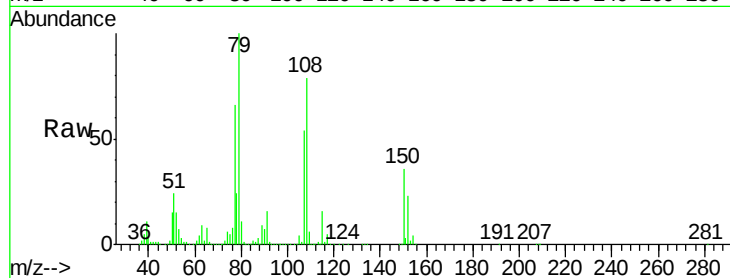
79 100

108 79.2 61.9 92.9

77 65.6 51.5 77.3

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#16

2,2'-oxybis(1-chloropropane)

Concen: 46.366 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

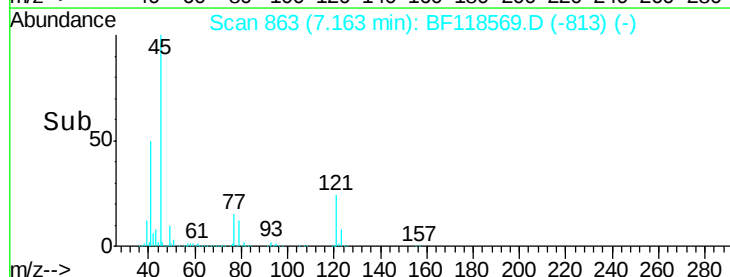
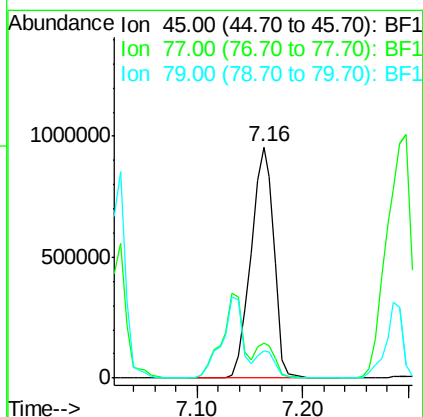
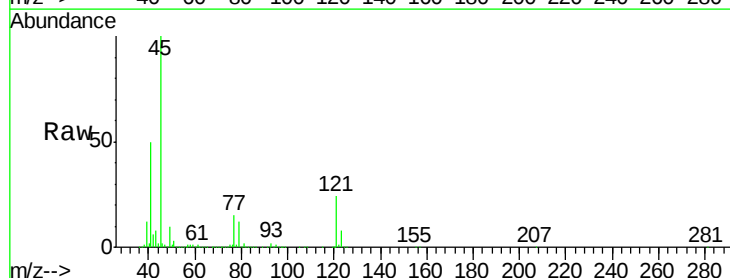
Tgt Ion: 45 Resp: 1441083

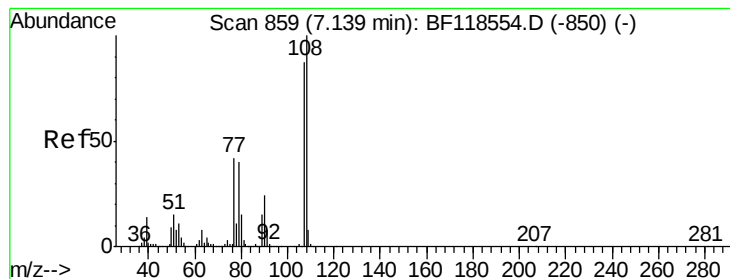
Ion Ratio Lower Upper

45 100

77 15.4 0.0 35.8

79 11.8 0.0 32.2





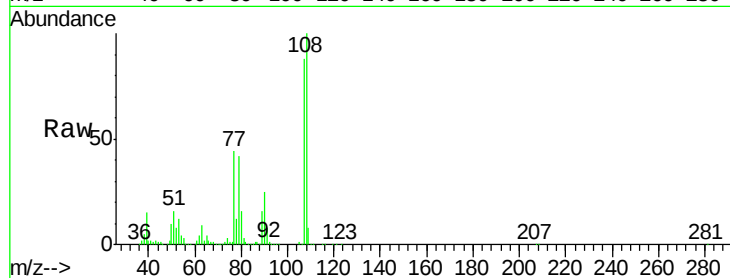
#17
2-Methylphenol
Concen: 51.044 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

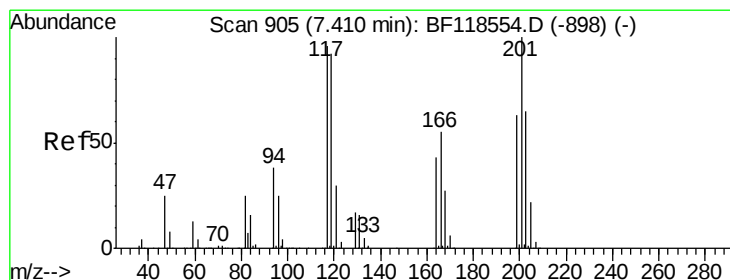
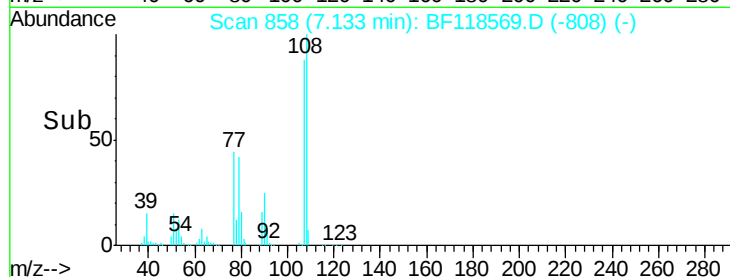
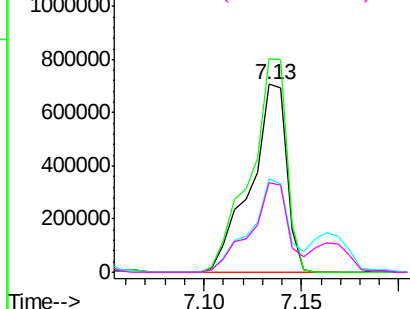
Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100			
108	108	113.8	92.3	138.5	
77	77	50.0	38.6	57.8	
79	79	47.8	37.0	55.6	

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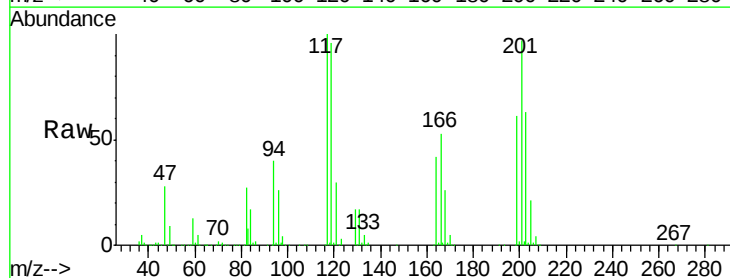


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

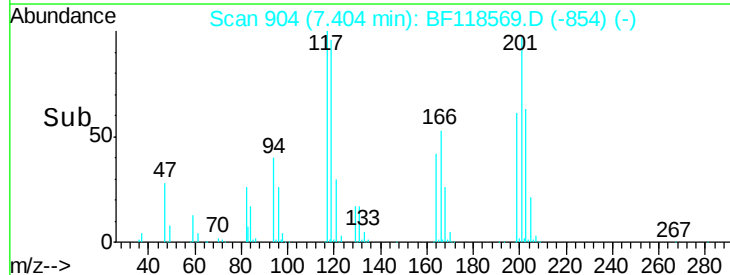
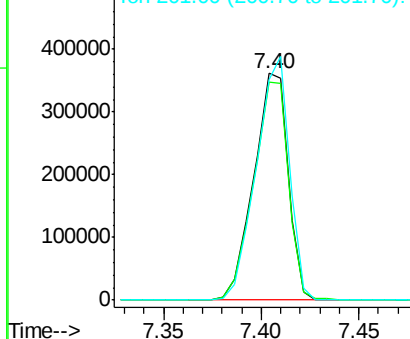


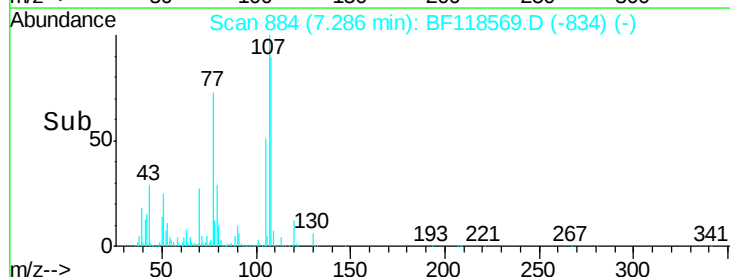
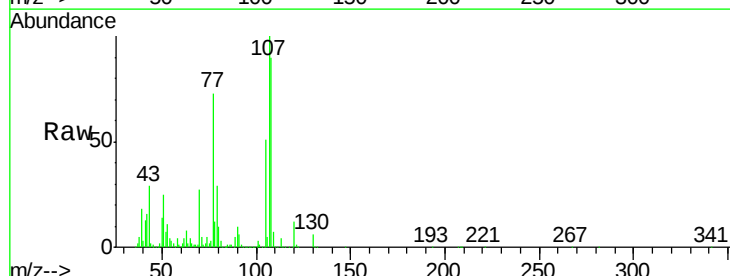
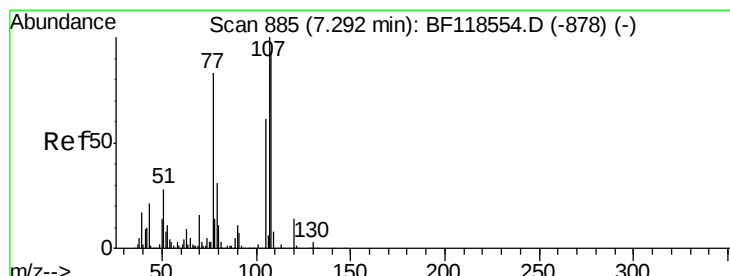
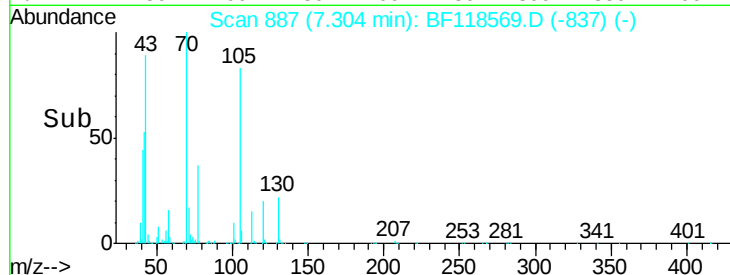
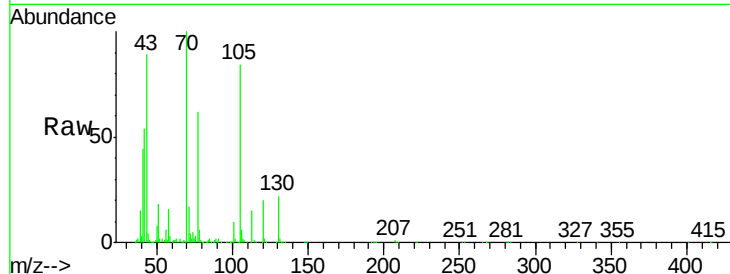
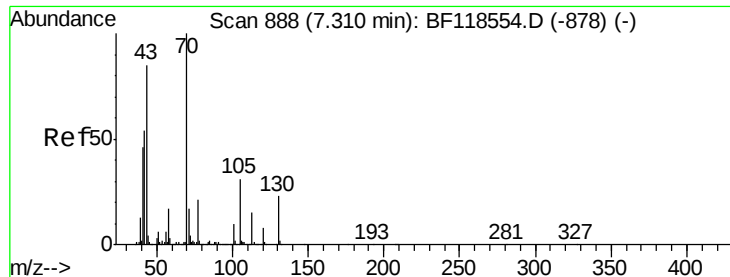
#18
Hexachloroethane
Concen: 48.520 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100			
119	119	96.1	76.9	115.3	
201	201	97.0	83.6	125.4	



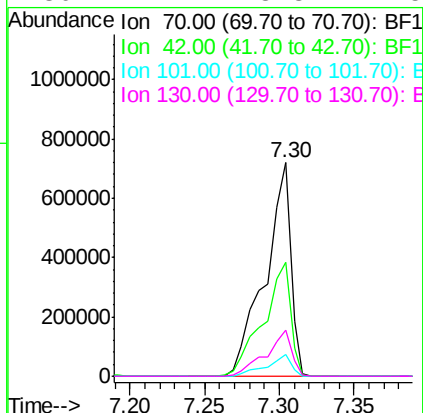
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 49.669 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	53.6	43.6	65.4	
101	10.2	7.7	11.5	
130	21.7	18.3	27.5	



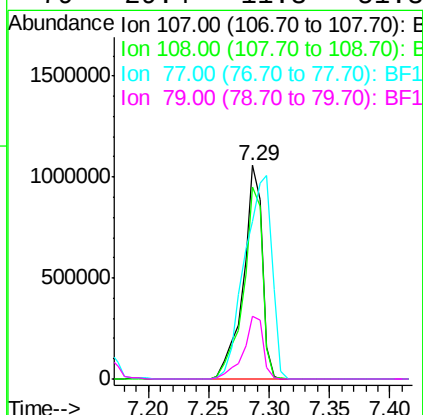
Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

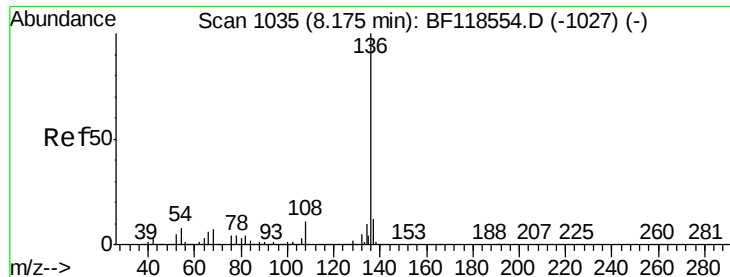
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#20
3+4-Methylphenols
Concen: 54.408 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.9	72.6	112.6	
77	73.5	63.0	103.0	
79	29.4	11.3	51.3	





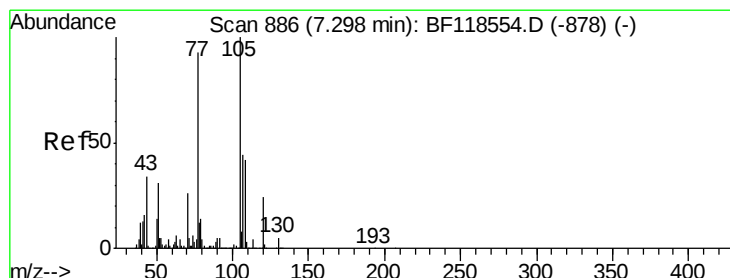
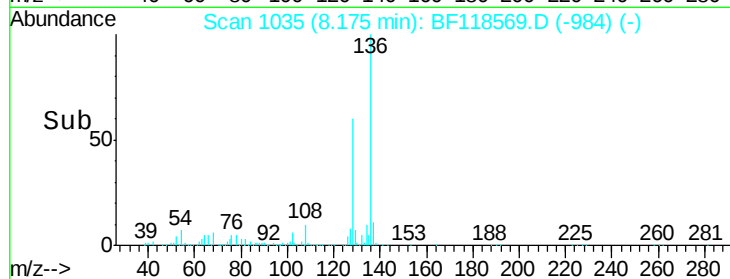
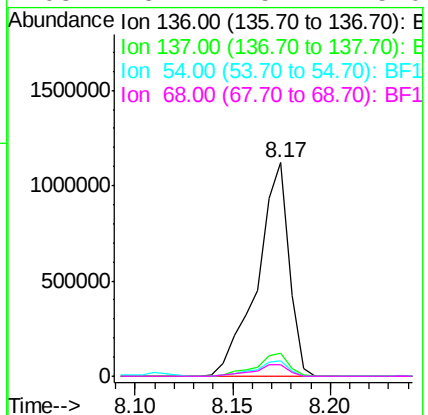
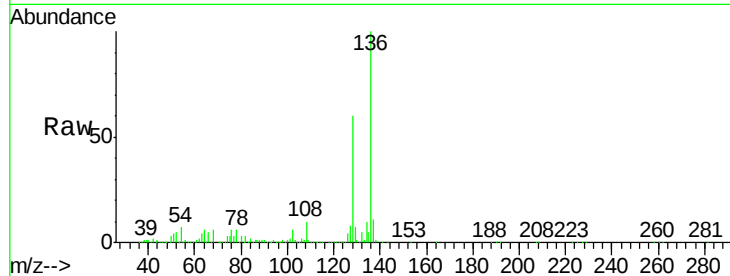
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1264871		
137	10.9	9.4	14.0		
54	7.1	6.2	9.2		
68	5.7	5.4	8.0		

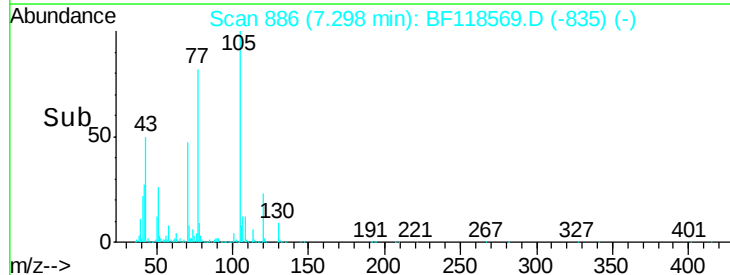
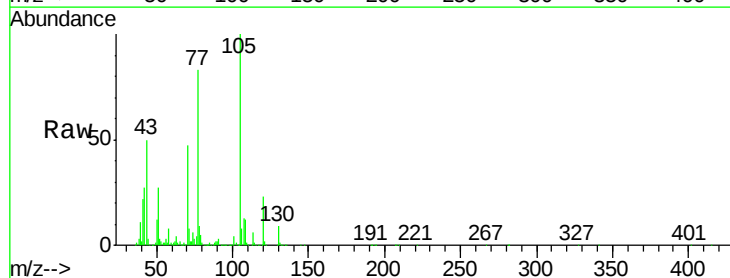
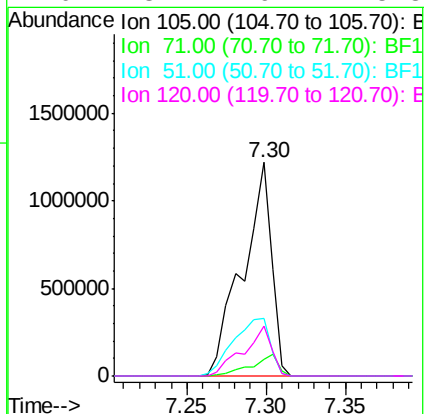
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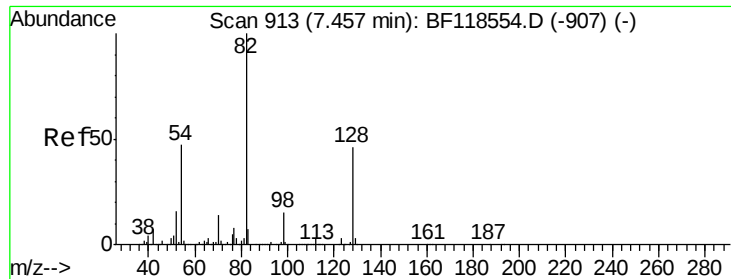
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#22
Acetophenone
Concen: 50.242 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		1542154		
71	7.9	3.8	5.6#		
51	26.8	24.9	37.3		
120	23.4	19.2	28.8		





#23

Nitrobenzene-d5

Concen: 115.672 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion: 82 Resp: 2368942

Ion Ratio Lower Upper

82 100

128 47.0 37.0 55.4

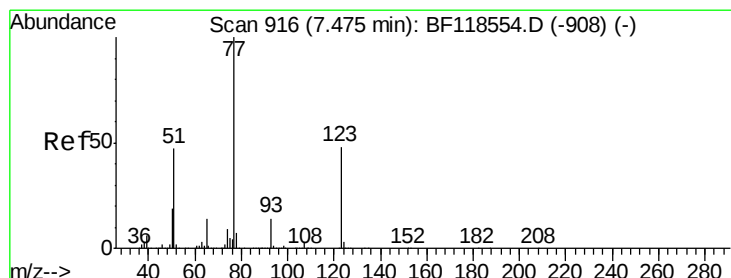
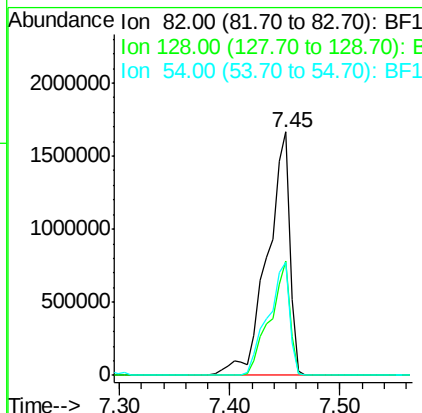
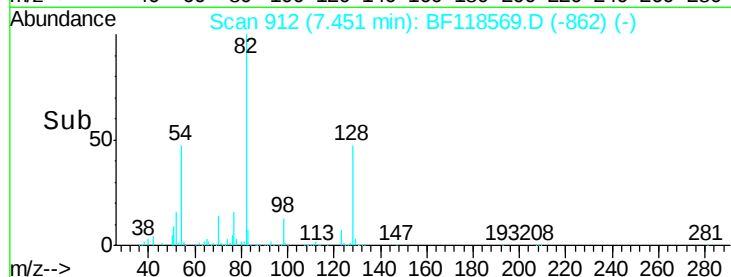
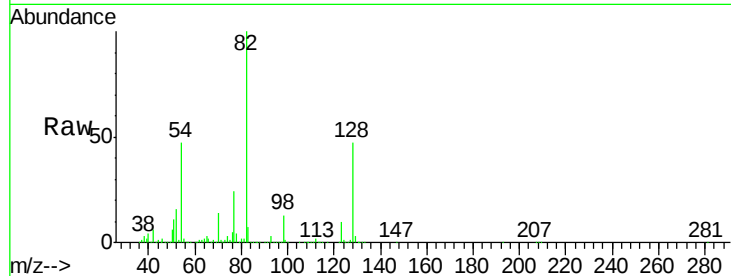
54 46.6 37.4 56.0

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#24

Nitrobenzene

Concen: 55.626 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

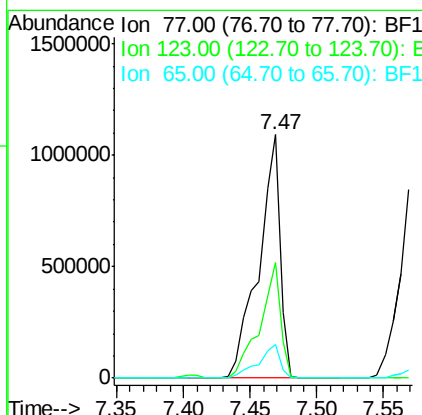
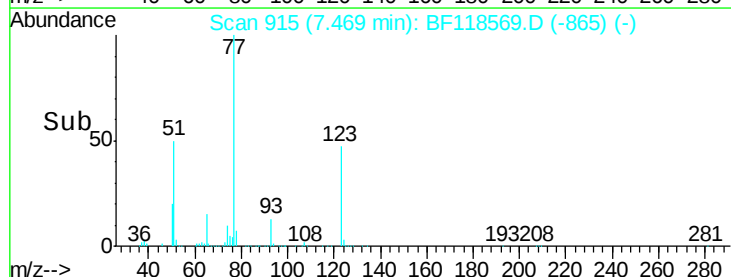
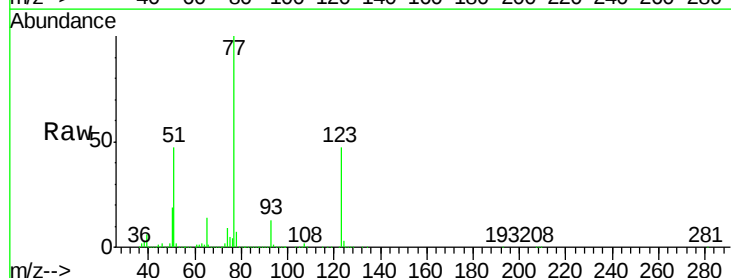
Tgt Ion: 77 Resp: 1211501

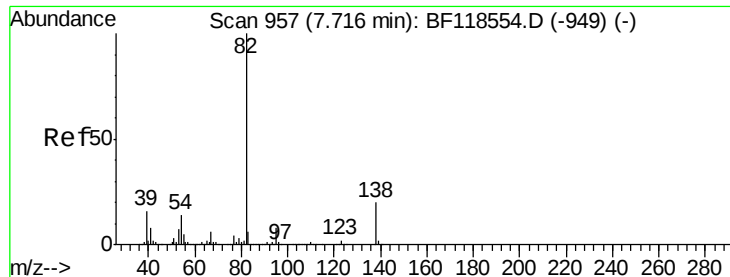
Ion Ratio Lower Upper

77 100

123 47.2 38.2 57.2

65 13.7 11.1 16.7





#25

Isophorone

Concen: 49.276 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion: 82 Resp: 2190225

Ion Ratio Lower Upper

82 100

95 7.5 6.0 9.0

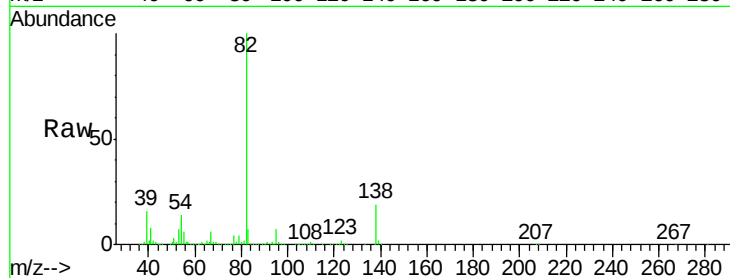
138 19.2 15.8 23.8

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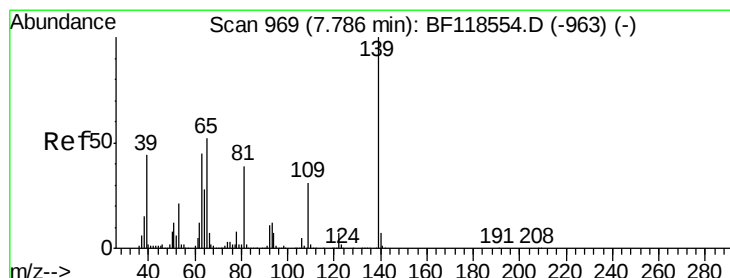
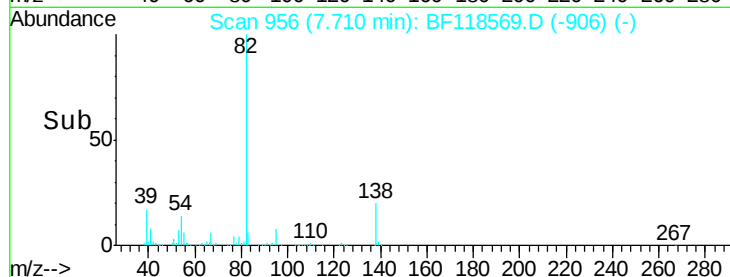
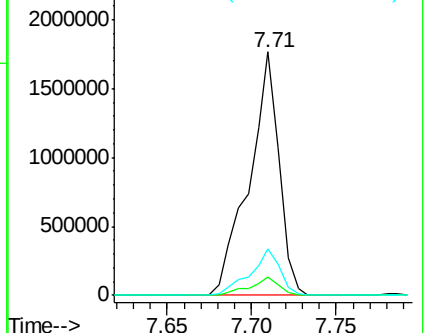
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 54.647 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

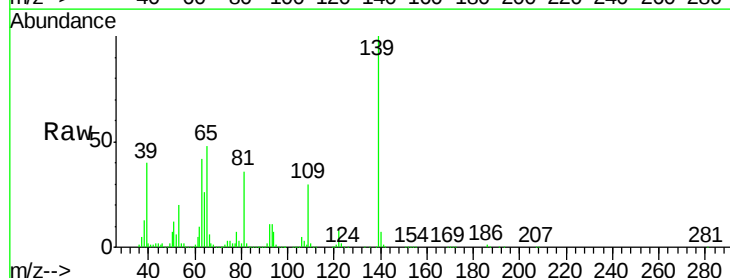
Tgt Ion: 139 Resp: 523702

Ion Ratio Lower Upper

139 100

109 30.1 24.6 36.8

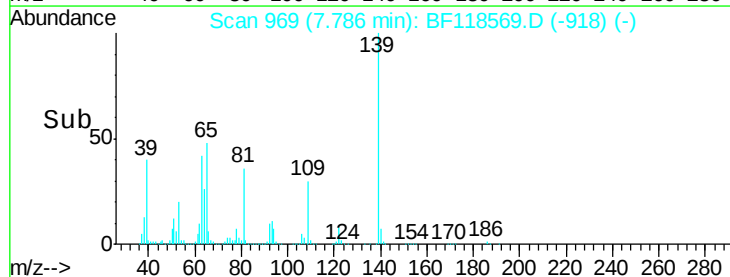
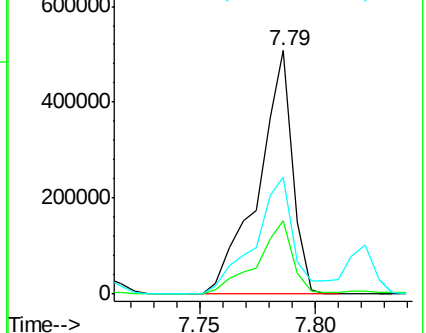
65 48.0 42.1 63.1

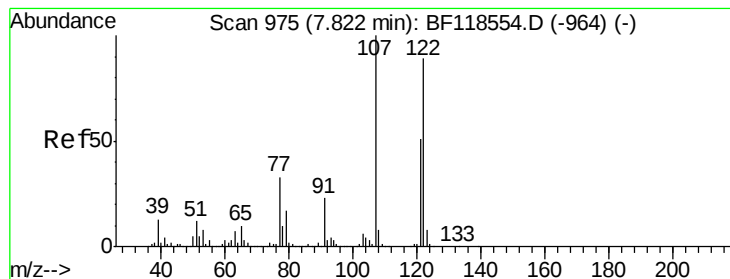


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 59.521 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:122 Resp: 1052179

Ion Ratio Lower Upper

122 100

107 112.0 89.6 134.4

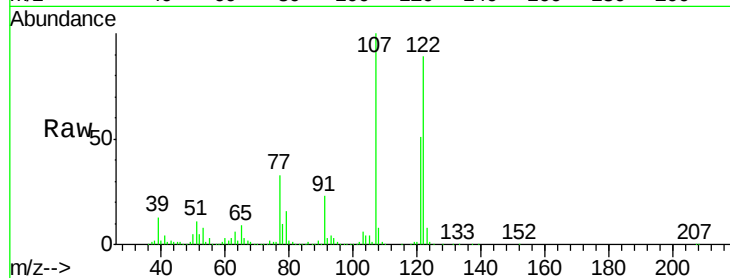
121 57.6 45.9 68.9

Manual Integrations

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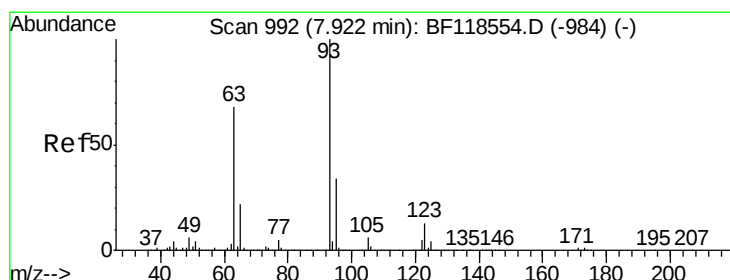
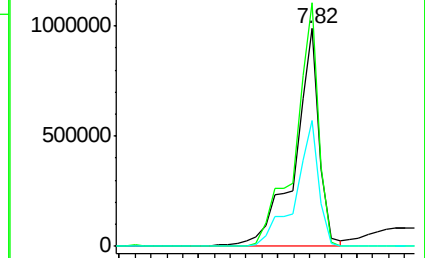
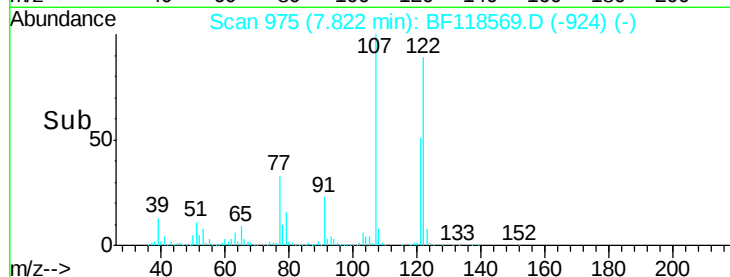
1/21/2020 7:58:39 AM



Abundance Ion 122.00 (121.70 to 122.70): E

1500000 Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.108 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

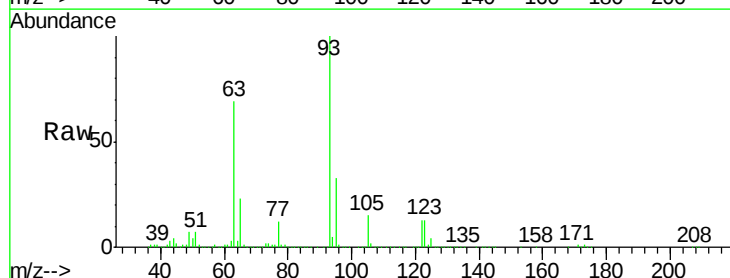
Tgt Ion: 93 Resp: 1345315

Ion Ratio Lower Upper

93 100

95 33.4 27.3 40.9

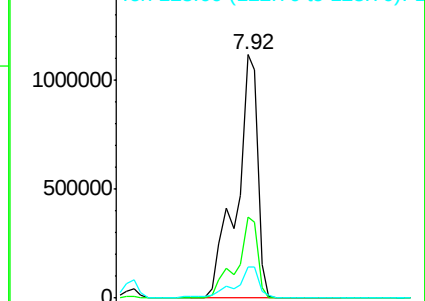
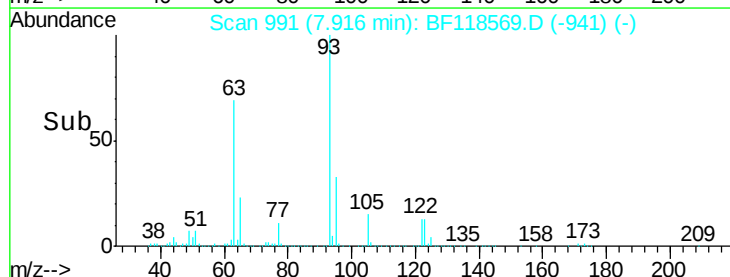
123 12.7 10.2 15.4

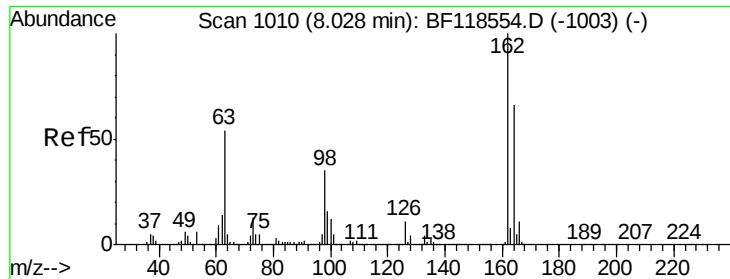


Abundance Ion 93.00 (92.70 to 93.70): BF1

1500000 Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





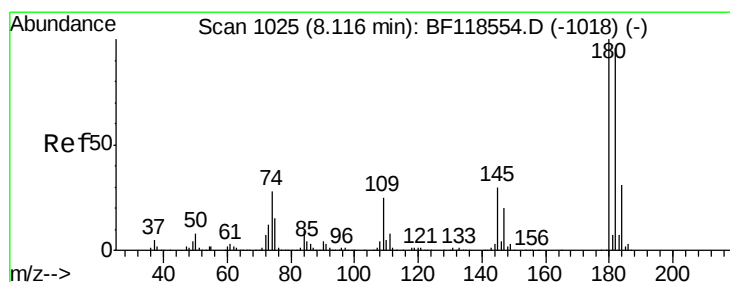
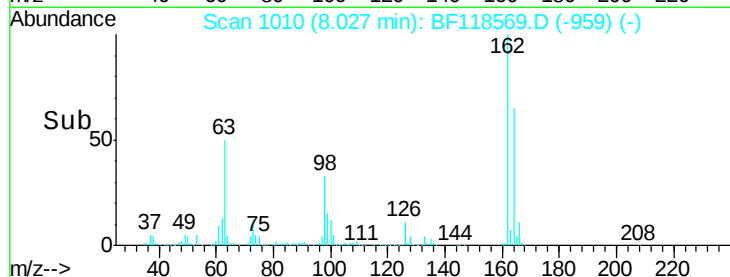
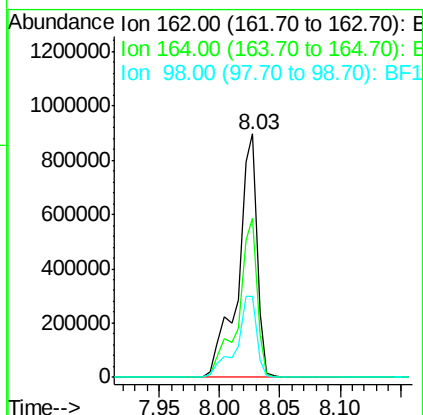
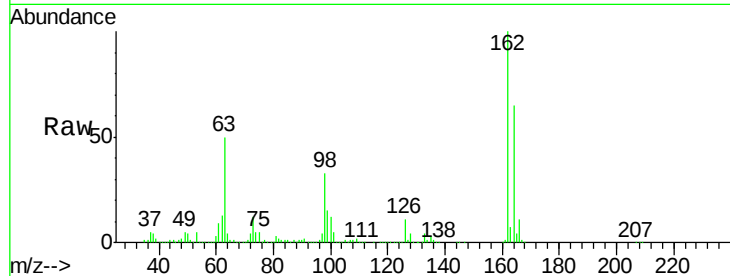
#29
2,4-Dichlorophenol
Concen: 50.999 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.6	85.6
98	33.3	15.4	55.4

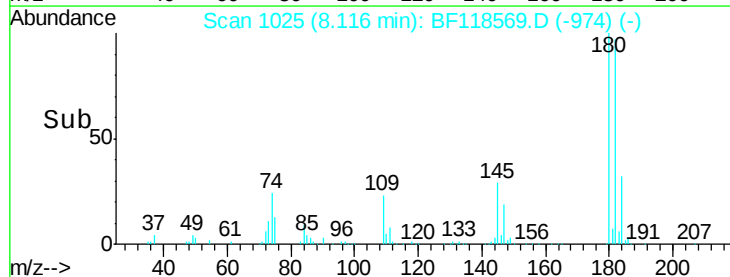
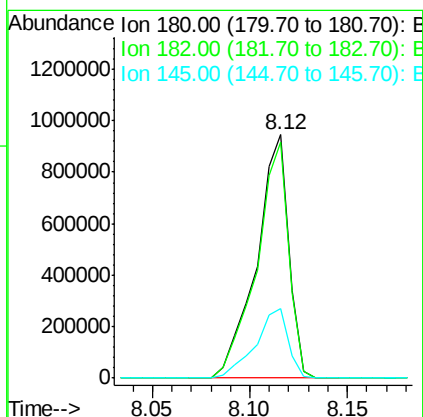
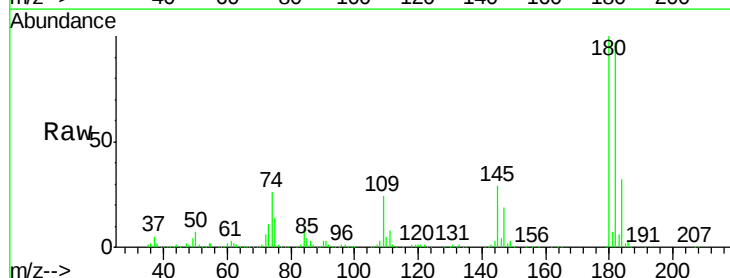
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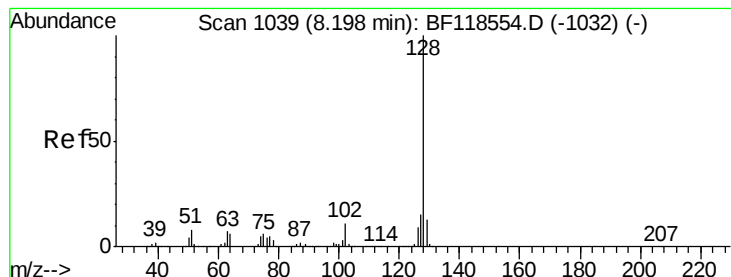
mohammad
1/21/2020 7:58:39 AM



#30
1,2,4-Trichlorobenzene
Concen: 47.719 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.8	115.2
145	28.8	24.2	36.2





#31

Naphthalene

Concen: 53.019 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:128 Resp: 3162625

Ion Ratio Lower Upper

128 100

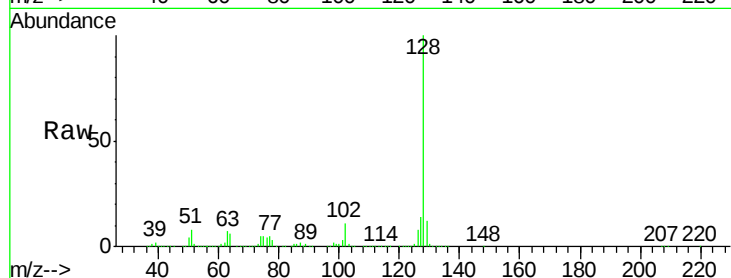
129 12.5 10.3 15.5

127 14.4 12.1 18.1

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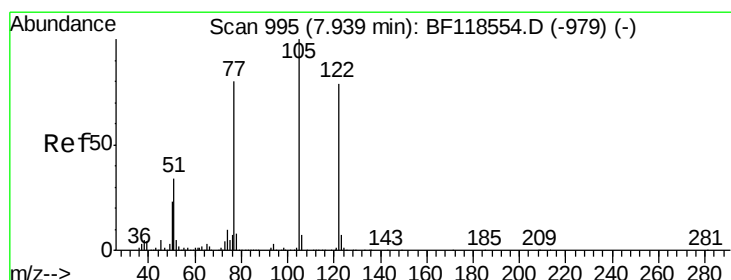
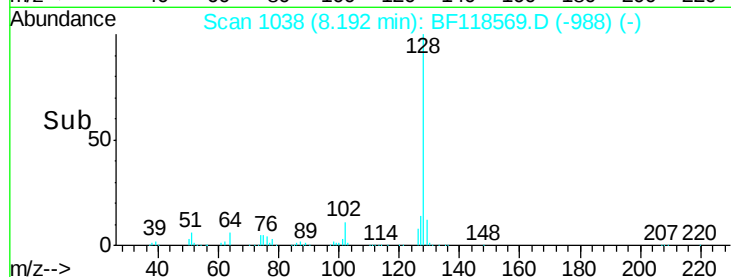
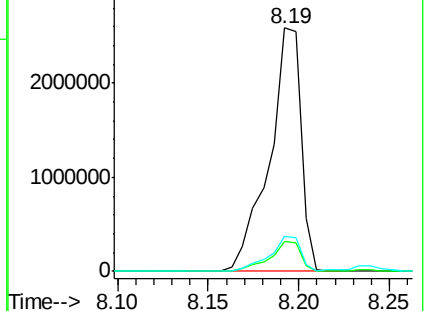
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.531 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

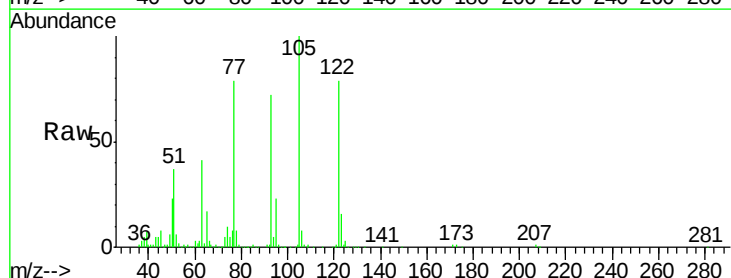
Tgt Ion:122 Resp: 560014

Ion Ratio Lower Upper

122 100

105 126.7 105.0 145.0

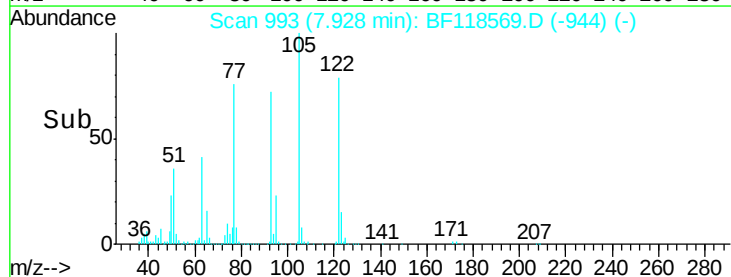
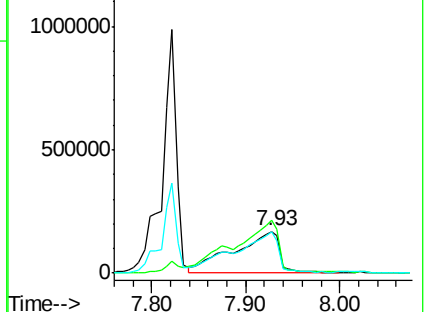
77 99.7 80.7 120.7

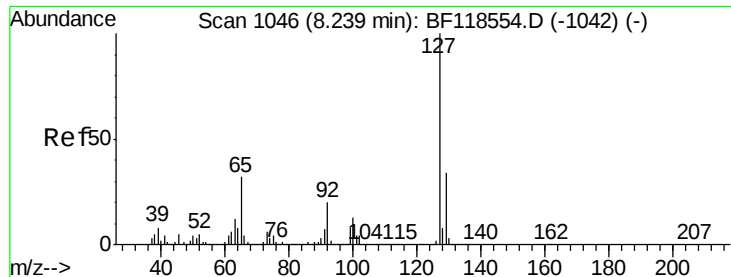


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





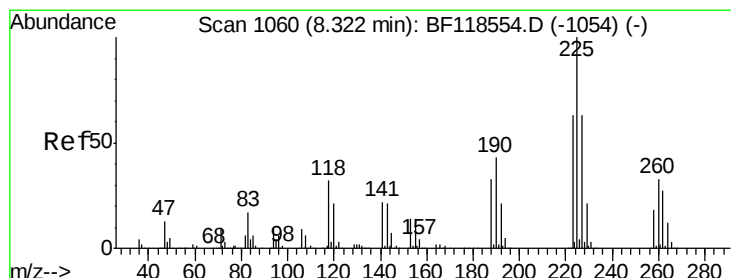
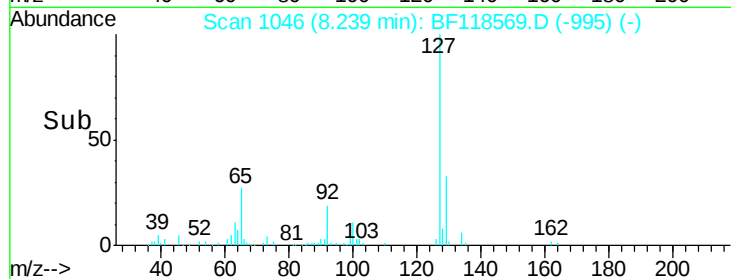
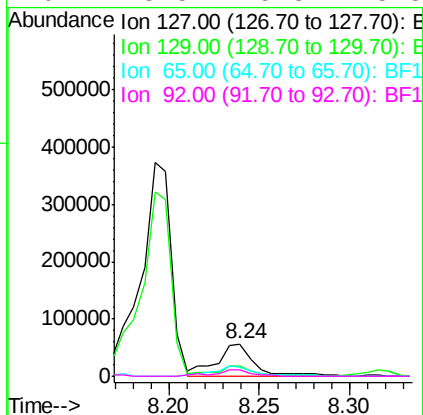
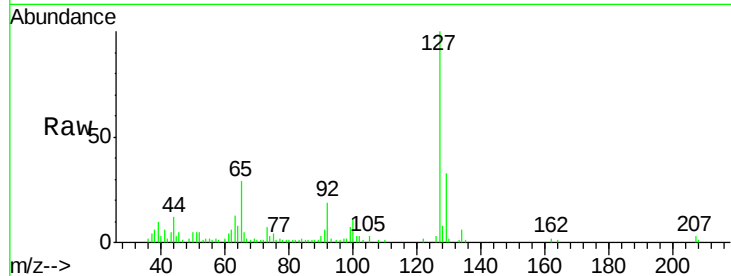
#33
4-Chloroaniline
Concen: 2.961 ng/mL
RT: 8.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		82067		
129	32.6	27.0	40.4		
65	29.0	25.8	38.8		
92	18.5	15.8	23.8		

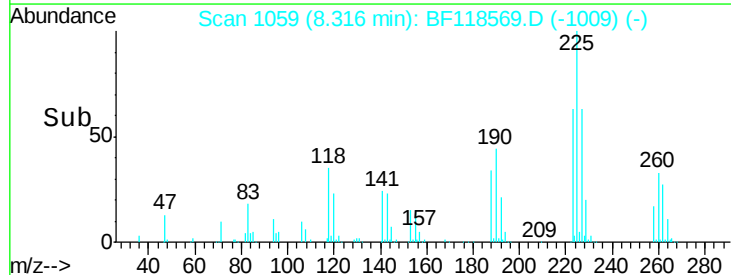
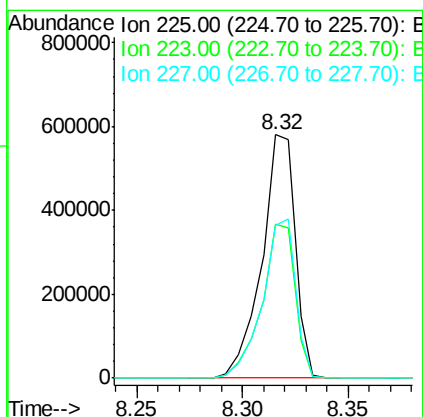
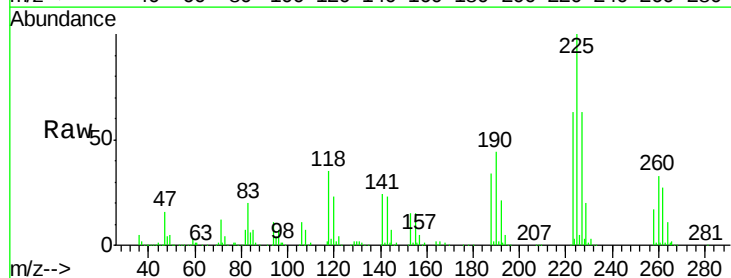
Manual Integrations
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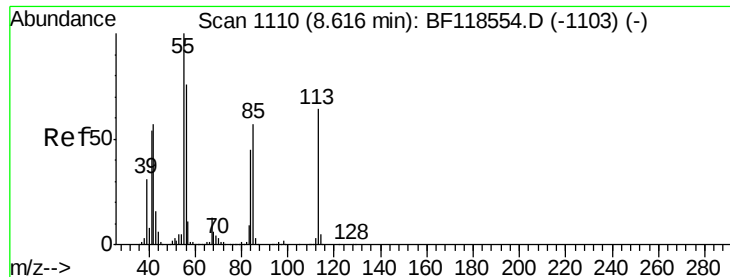
mohammad
1/21/2020 7:58:39 AM



#34
Hexachlorobutadiene
Concen: 45.281 ng/mL
RT: 8.32 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		640447		
223	63.0	50.6	76.0		
227	62.7	50.4	75.6		





#35

Caprolactam

Concen: 40.033 ng/ml

RT: 8.60 min Scan# 1107

Delta R.T. -0.02 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:113 Resp: 242329

Ion Ratio Lower Upper

113 100

55 163.5 137.3 177.3

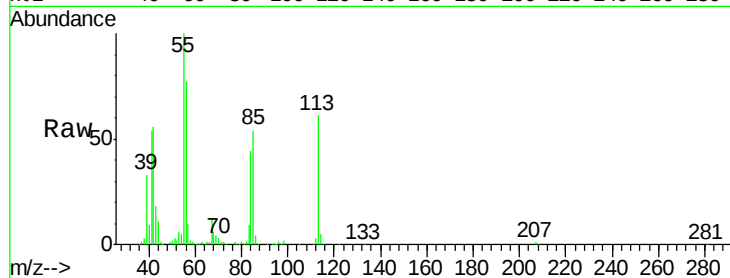
56 125.2 99.7 139.7

Manual Integrations

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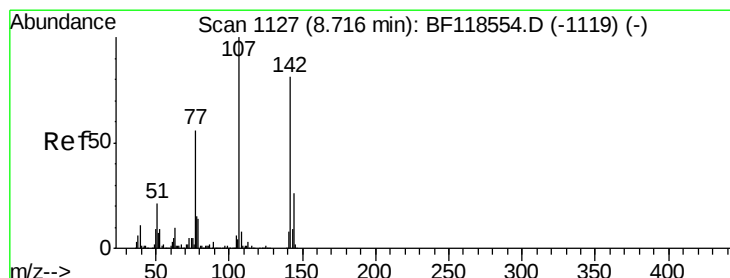
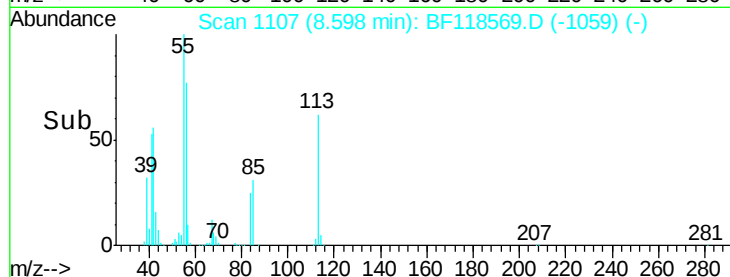
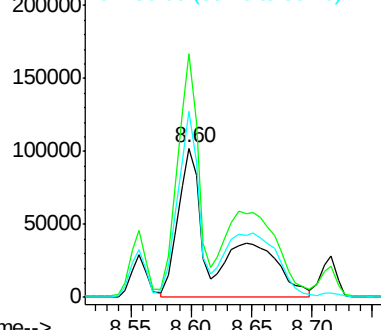
1/21/2020 7:58:39 AM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 50.960 ng/ml

RT: 8.72 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

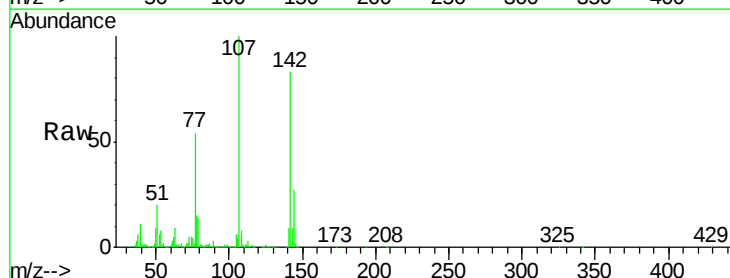
Tgt Ion:107 Resp: 982956

Ion Ratio Lower Upper

107 100

144 27.0 21.2 31.8

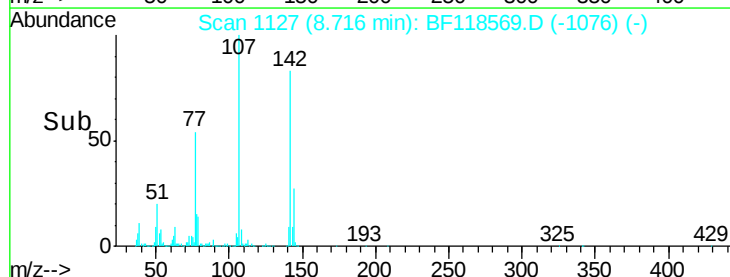
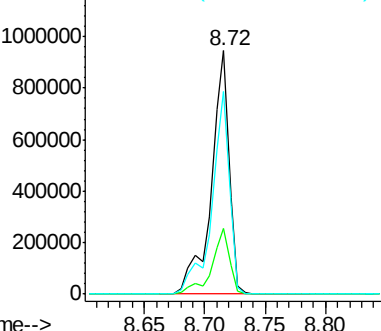
142 83.0 64.4 96.6

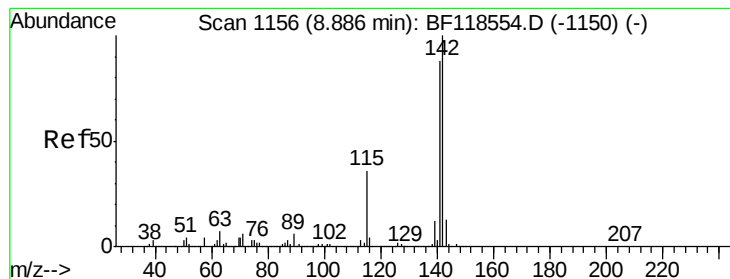


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





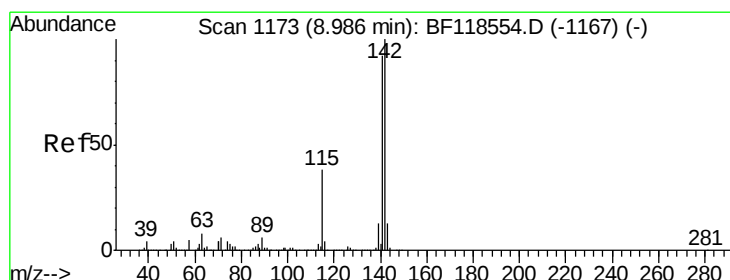
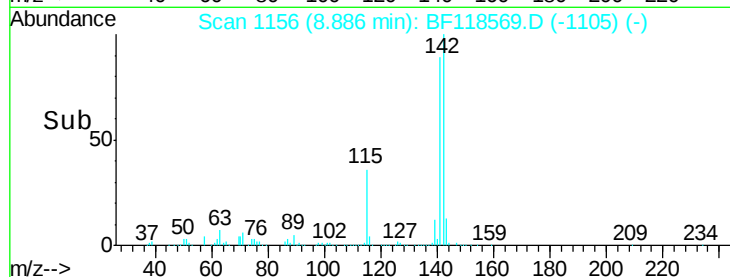
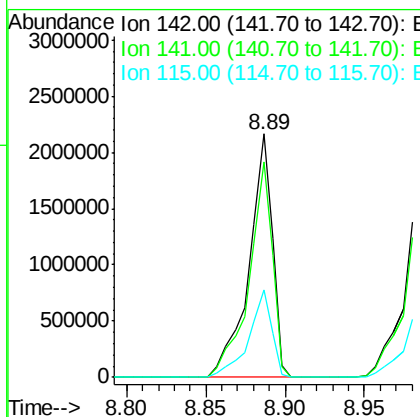
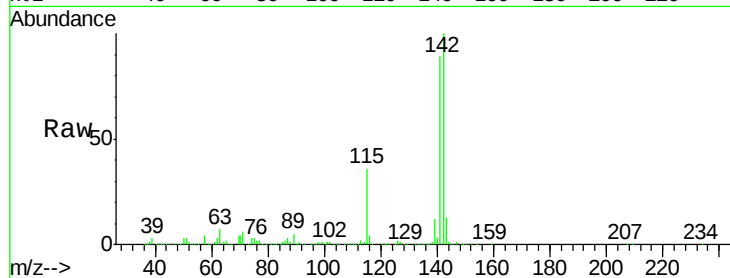
#37
 2-Methylnaphthalene
 Concen: 52.547 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	106.0
115	35.8	29.0	43.4

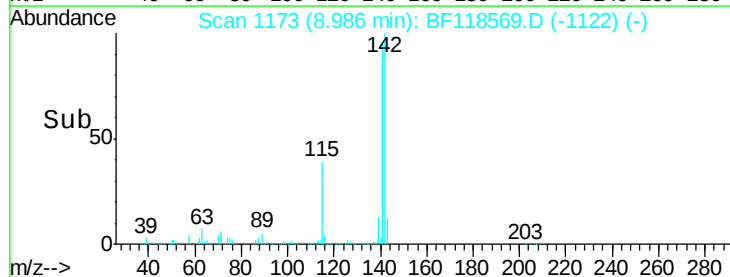
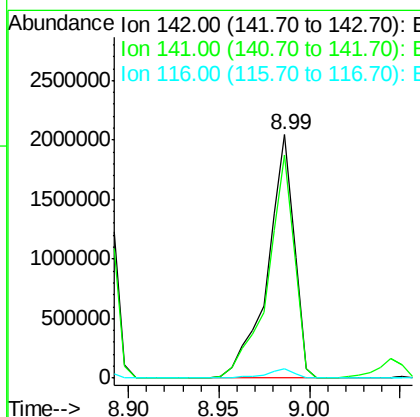
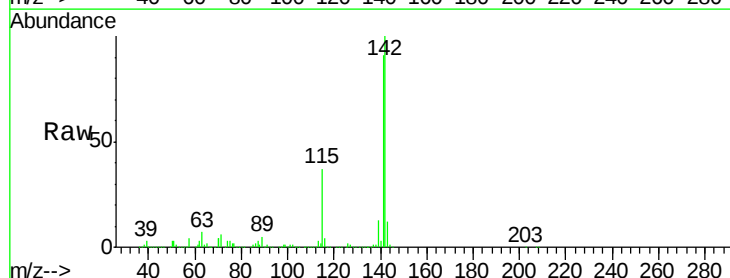
Manual Integrations
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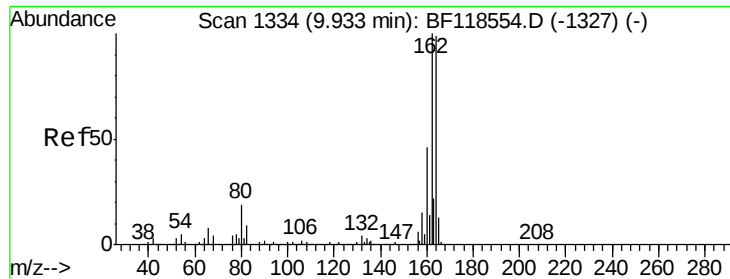
mohammad
 1/21/2020 7:58:39 AM



#38
 1-Methylnaphthalene
 Concen: 52.259 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.8	110.6
116	3.8	3.3	4.9





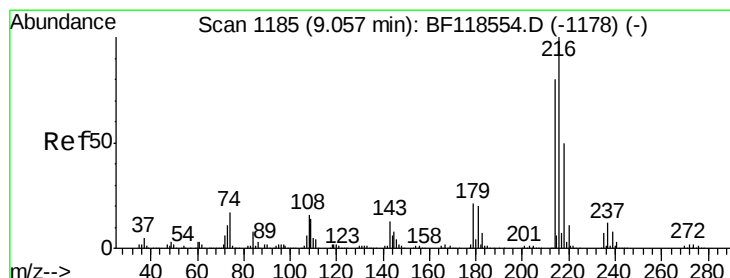
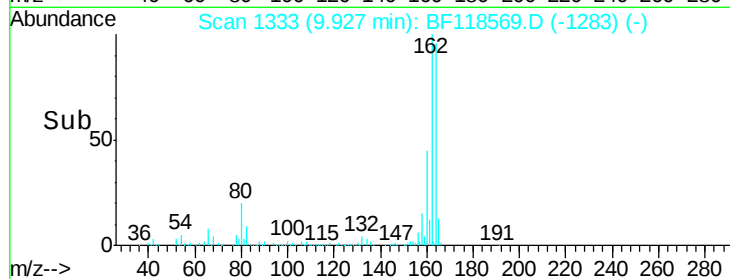
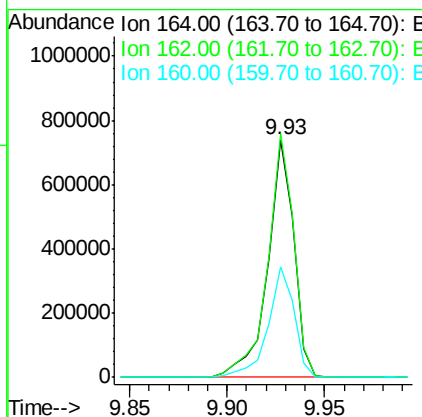
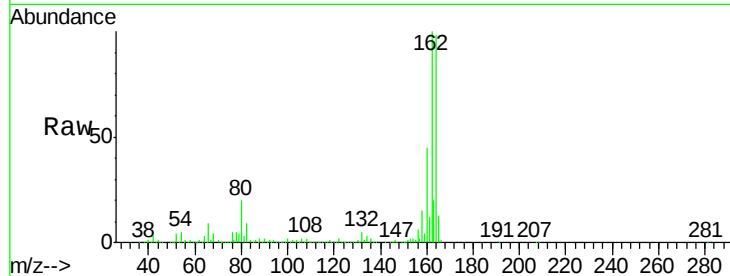
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.6	120.8
160	46.4	36.7	55.1

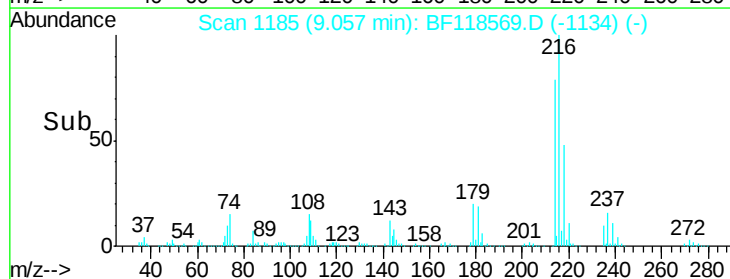
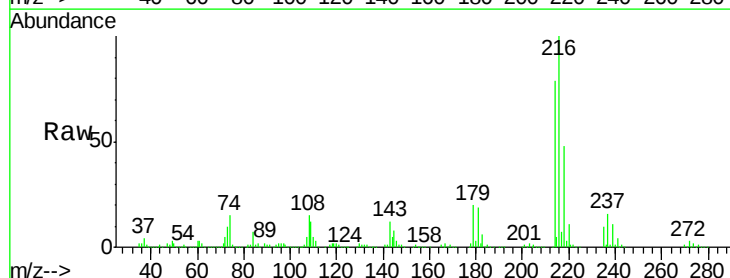
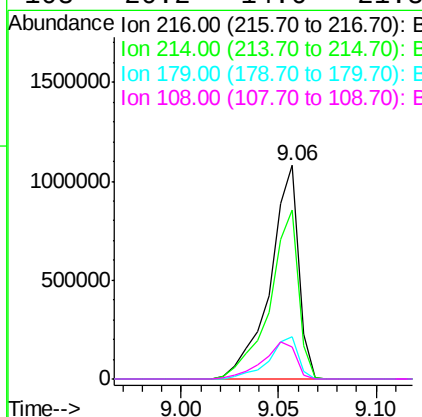
Manual Integrations
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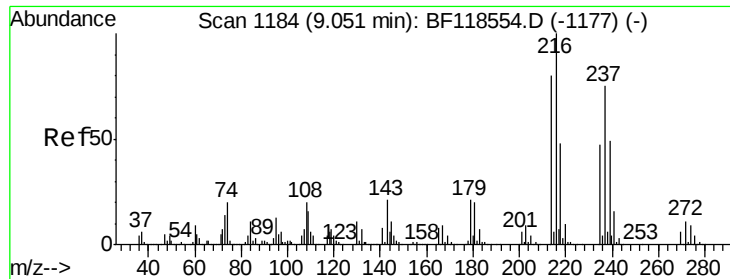
mohammad
1/21/2020 7:58:39 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.265 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.6	95.4
179	20.1	16.5	24.7
108	20.2	14.6	21.8





#41

Hexachlorocyclopentadiene

Concen: 118.504 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:237 Resp: 1373366

Ion Ratio Lower Upper

237 100

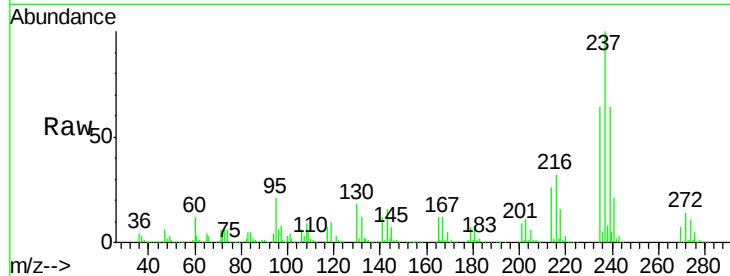
235 64.3 42.1 82.1

272 13.7 0.0 34.3

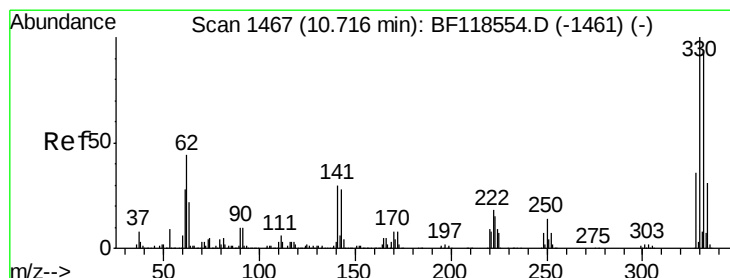
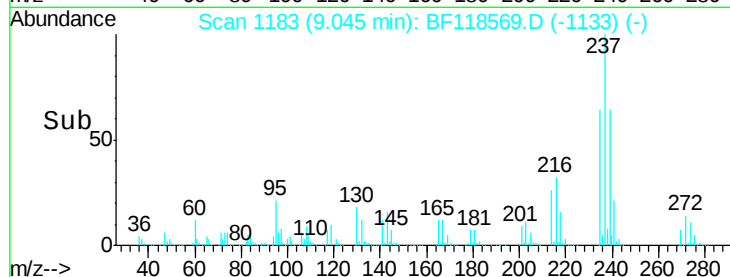
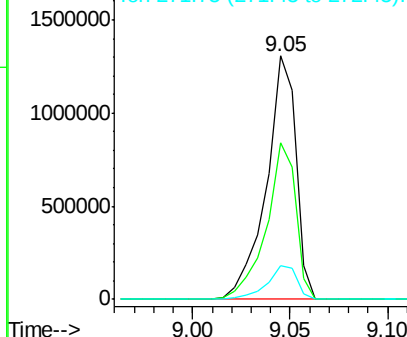
Manual Integrations
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mohammad

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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: 162.925 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

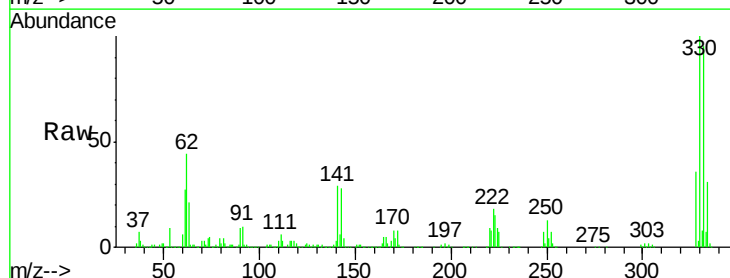
Tgt Ion:330 Resp: 1238602

Ion Ratio Lower Upper

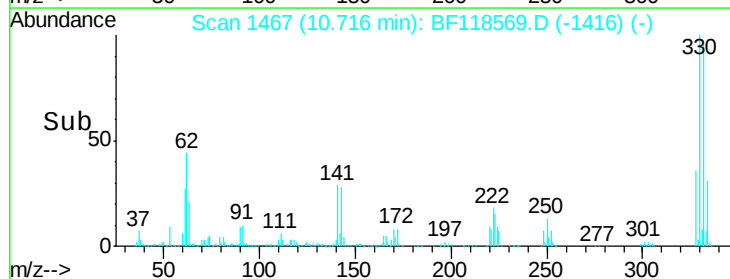
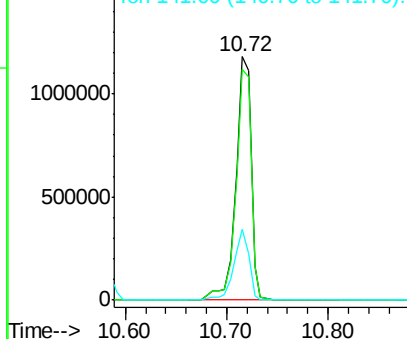
330 100

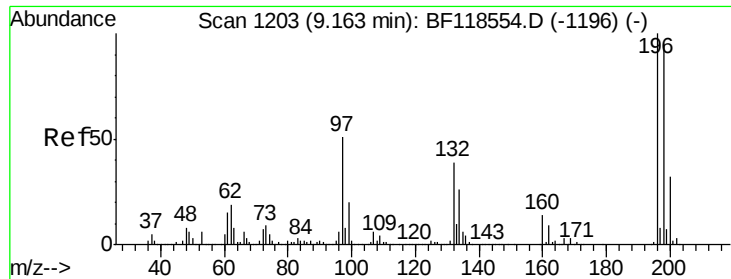
332 95.9 76.4 114.6

141 28.8 23.4 35.2



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





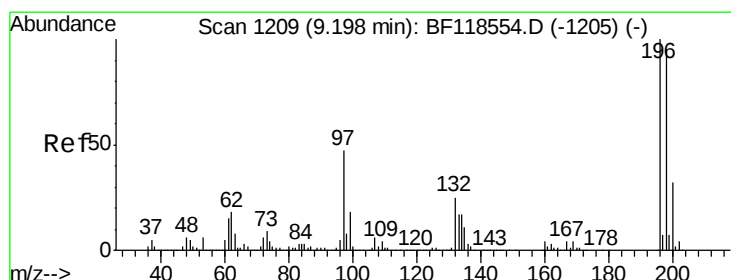
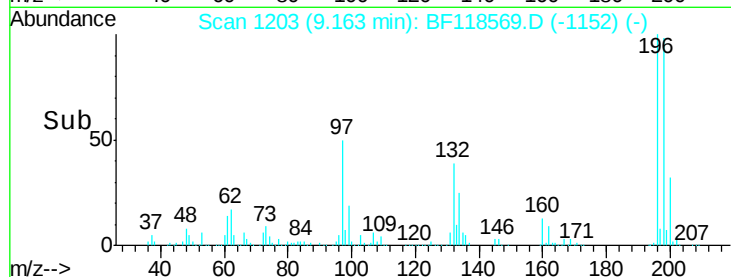
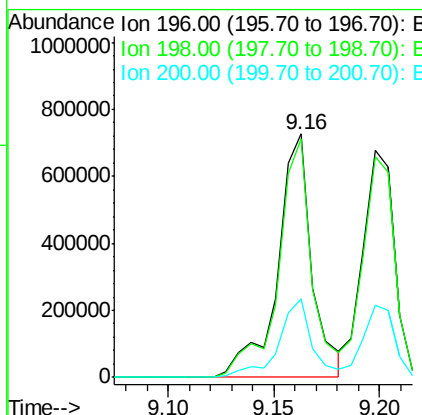
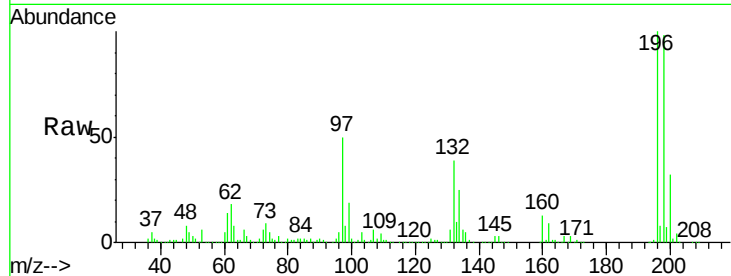
#43
 2,4,6-Trichlorophenol
 Concen: 58.238 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	823040		
198	97.7	76.0	114.0	
200	32.3	25.4	38.0	

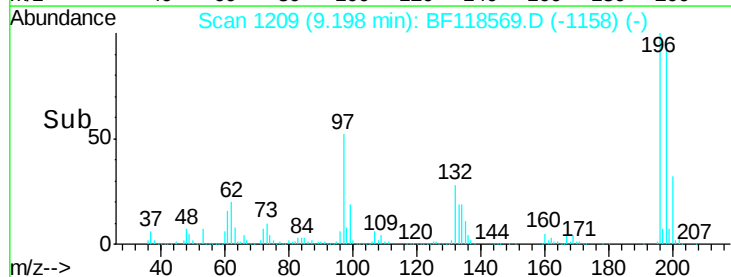
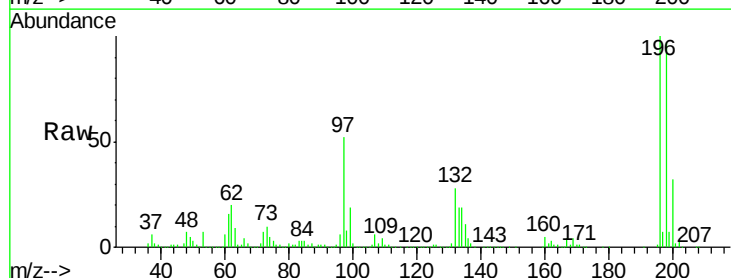
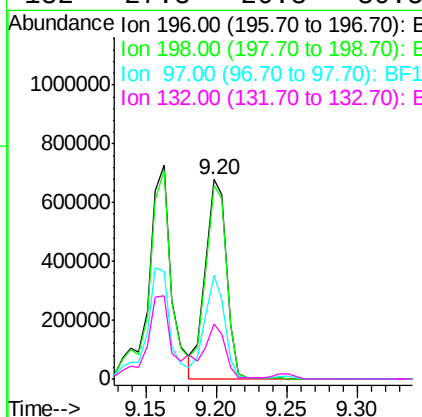
Manual Integrations
 APPROVED

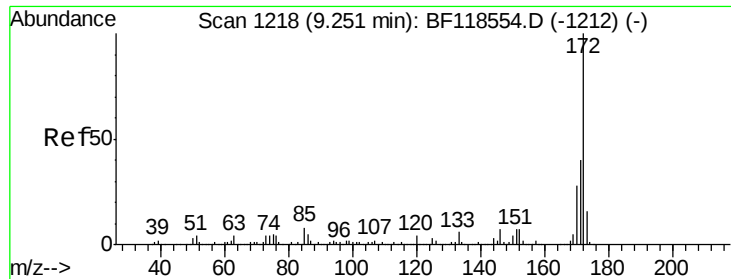
mohammad
 1/21/2020 7:58:39 AM



#44
 2,4,5-Trichlorophenol
 Concen: 49.645 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	709329		
198	97.1	76.2	114.4	
97	52.2	37.4	56.2	
132	27.8	20.3	30.5	





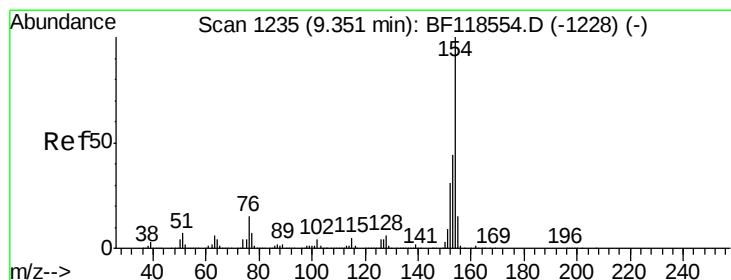
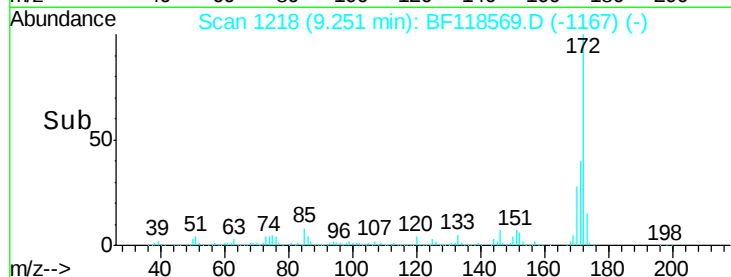
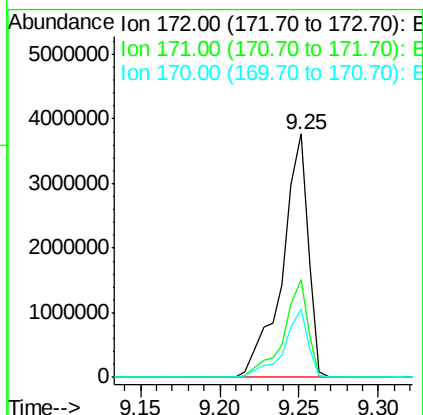
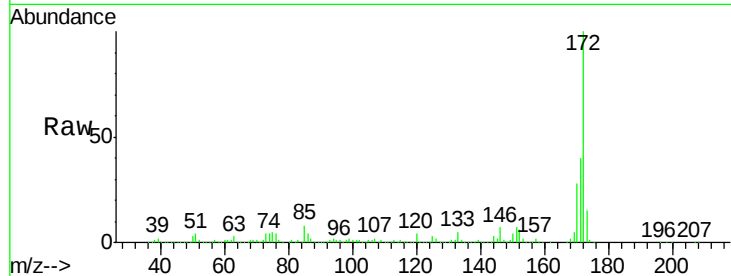
#45
2-Fluorobiphenyl
Concen: 111.838 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.2	32.4	48.6
170	27.8	22.5	33.7

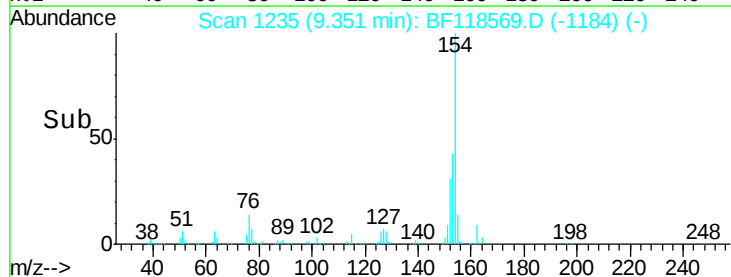
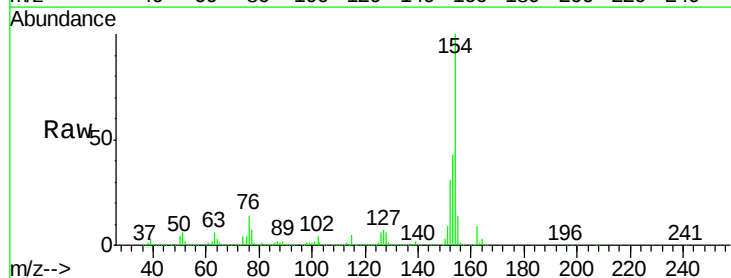
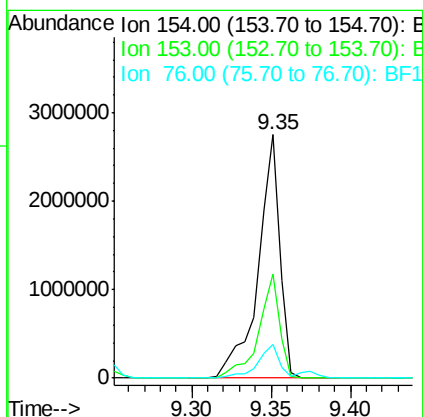
Manual Integrations
APPROVED

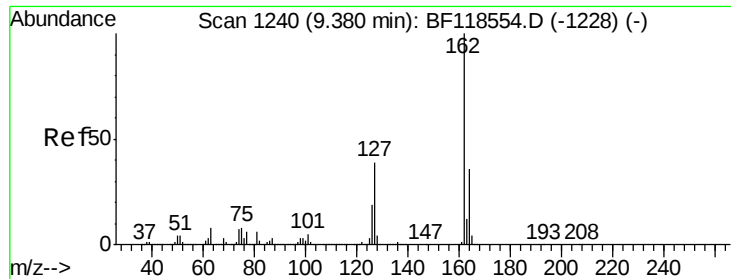
mohammad
1/21/2020 7:58:39 AM



#46
1,1'-Biphenyl
Concen: 53.650 ng
RT: 9.35 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	23.7	63.7
76	13.7	0.0	35.2





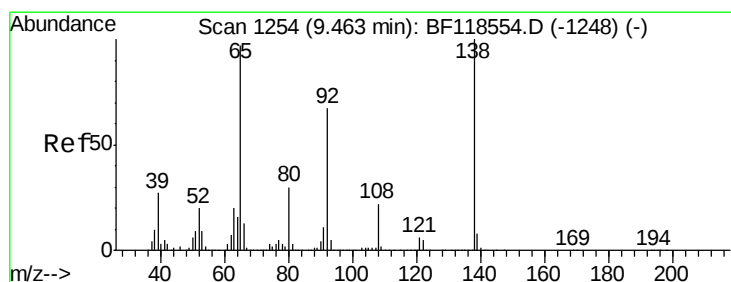
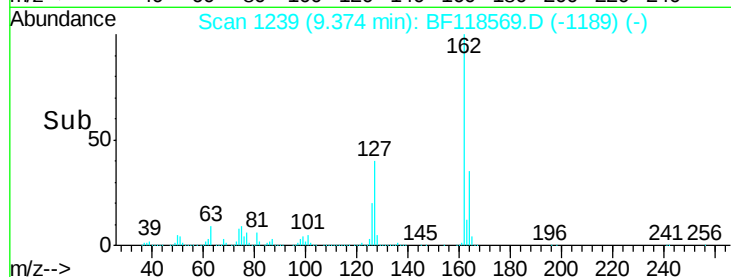
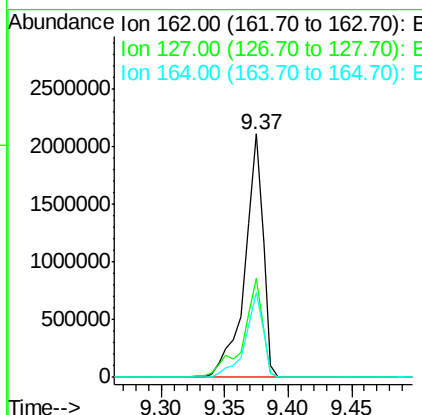
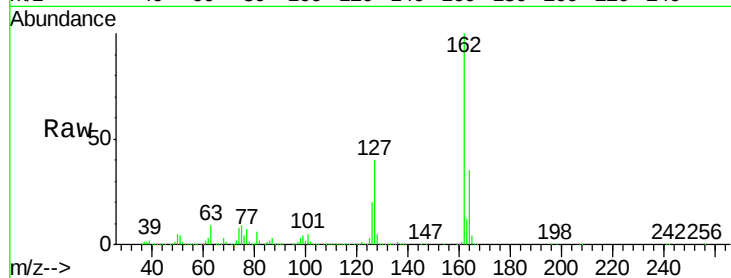
#47
2-Chloronaphthalene
Concen: 50.828 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.0	46.4
164	34.9	28.6	42.8

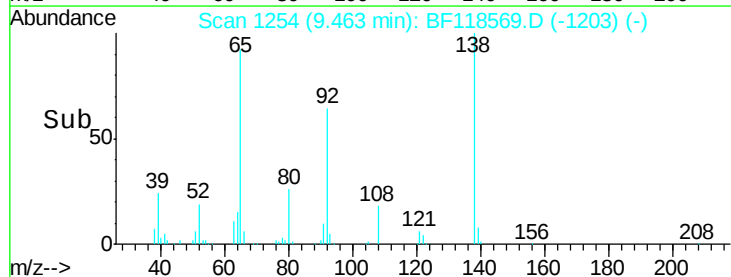
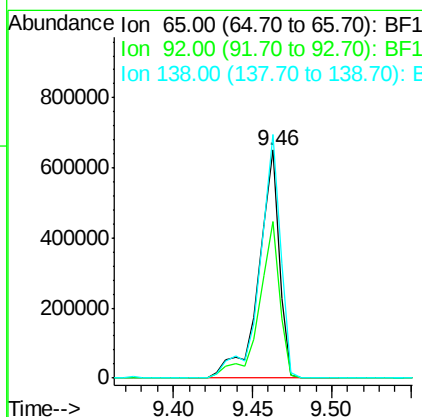
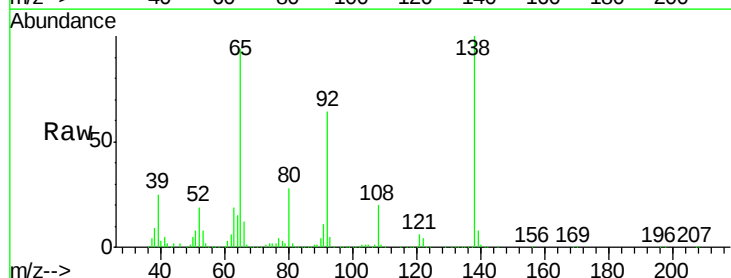
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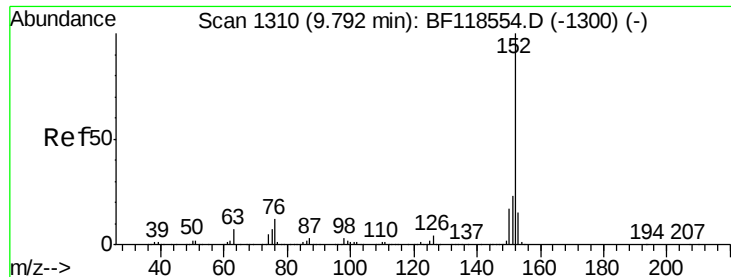
mohammad
1/21/2020 7:58:39 AM



#48
2-Nitroaniline
Concen: 55.395 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.7	55.3	82.9
138	106.9	82.9	124.3





#49

Acenaphthylene

Concen: 54.022 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:152 Resp: 3159112

Ion Ratio Lower Upper

152 100

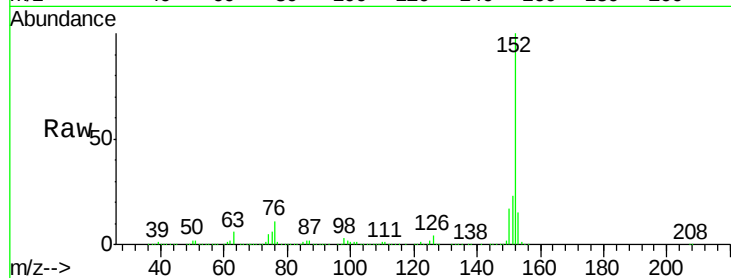
151 22.8 18.6 27.8

153 15.0 12.3 18.5

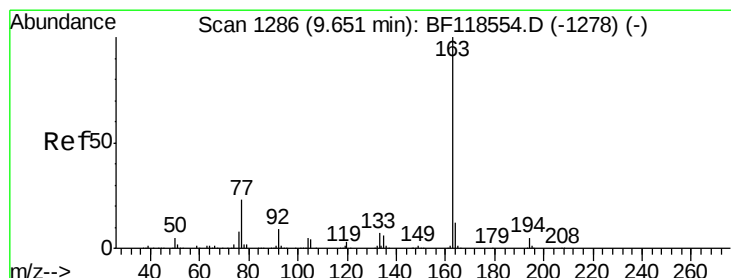
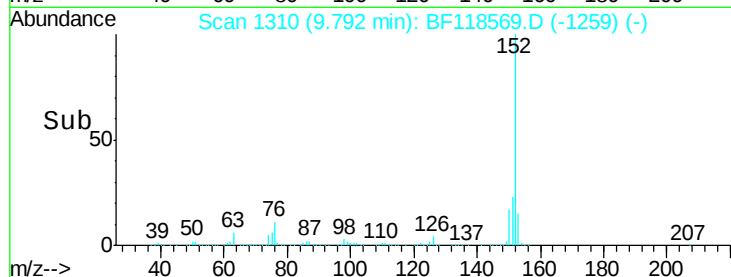
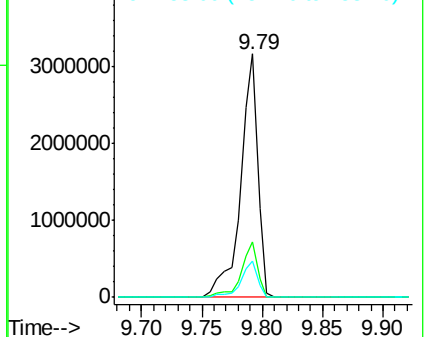
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.916 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

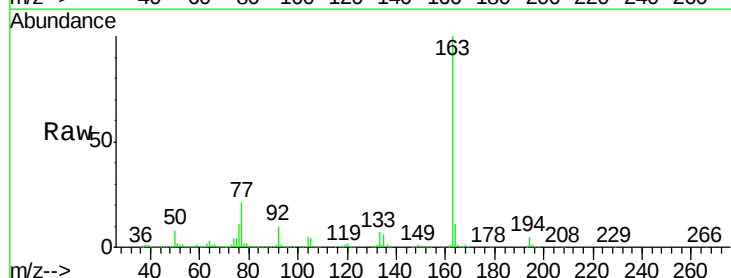
Tgt Ion:163 Resp: 2168026

Ion Ratio Lower Upper

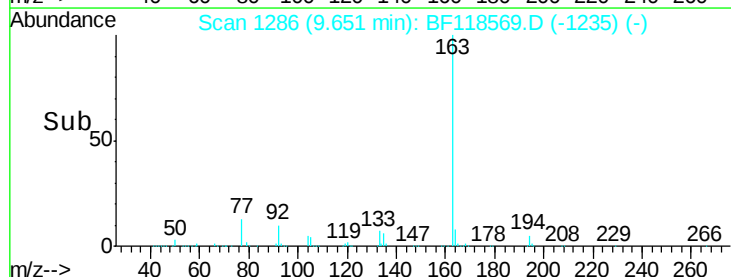
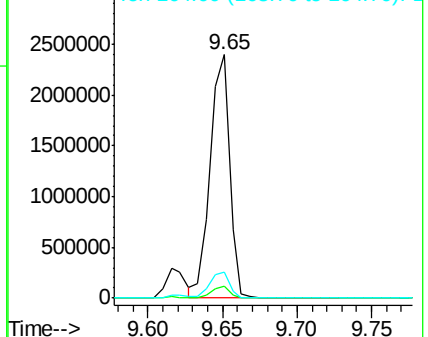
163 100

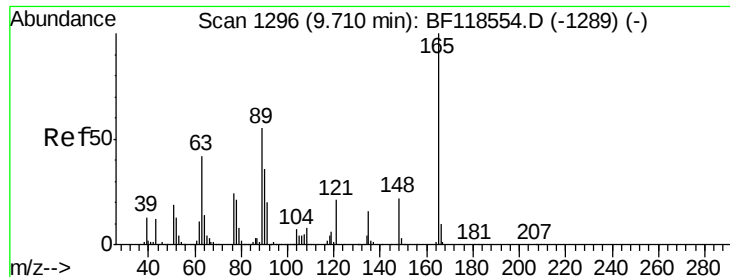
194 4.8 3.8 5.8

164 10.9 9.3 13.9



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





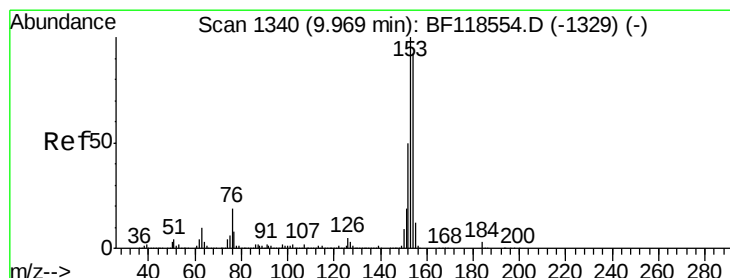
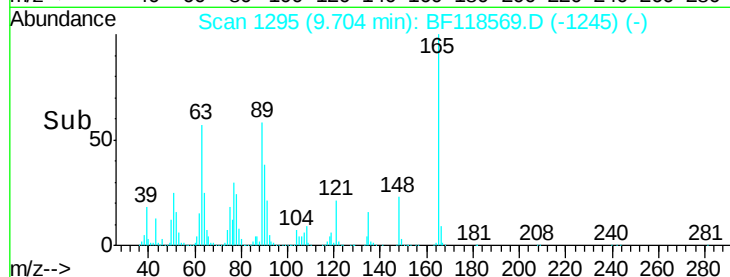
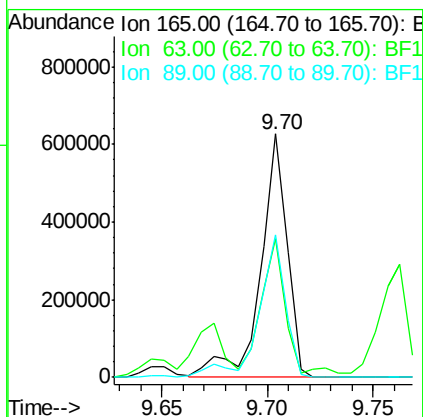
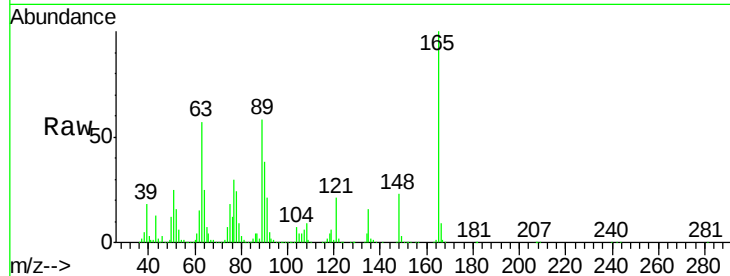
#51
 2,6-Dinitrotoluene
 Concen: 60.852 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MSD

Tot Ion:	165	Resp:	548214
Ion Ratio		Lower	Upper
165	100		
63	56.9	41.9	62.9
89	58.4	44.0	66.0

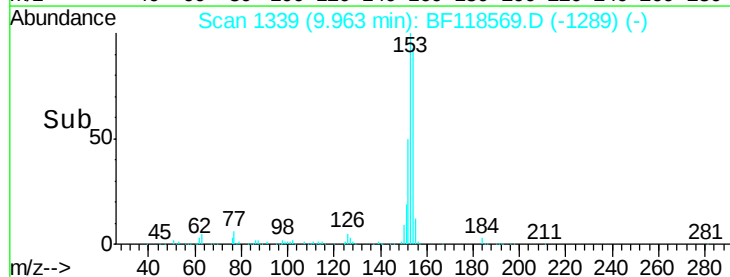
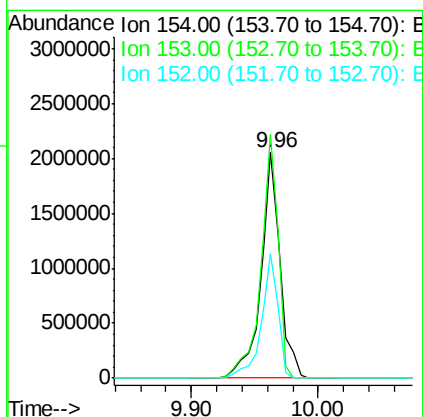
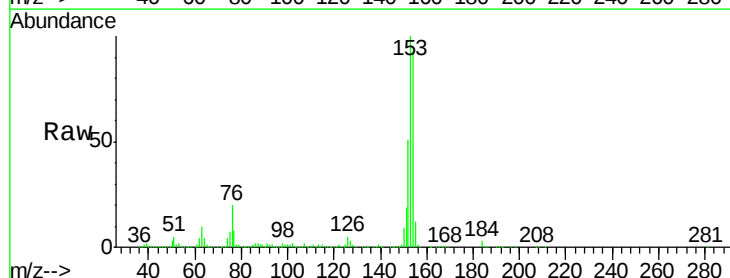
Manual Integrations
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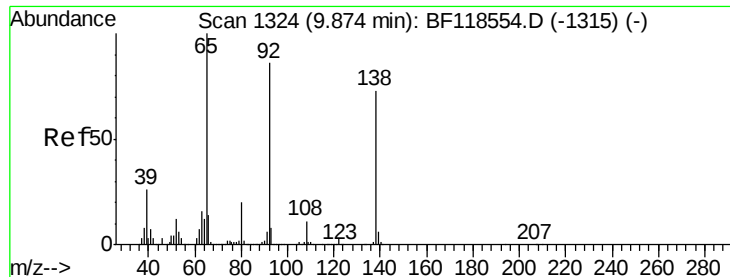
mohammad
 1/21/2020 7:58:39 AM



#52
 Acenaphthene
 Concen: 56.682 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Tgt Ion:	154	Resp:	2171445
Ion Ratio		Lower	Upper
154	100		
153	108.1	87.0	130.4
152	55.2	43.8	65.8





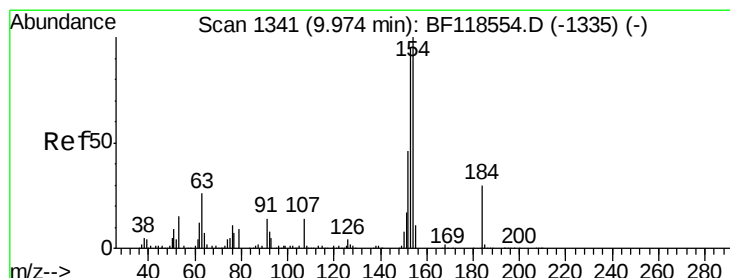
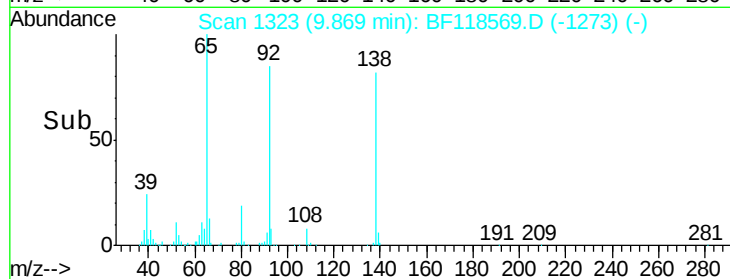
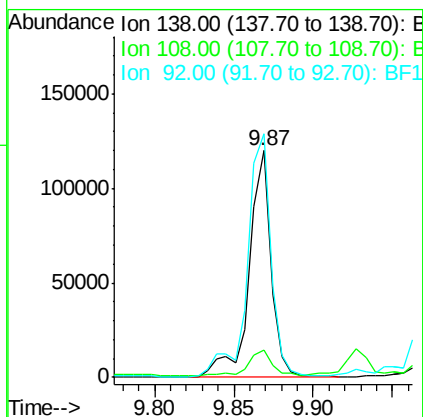
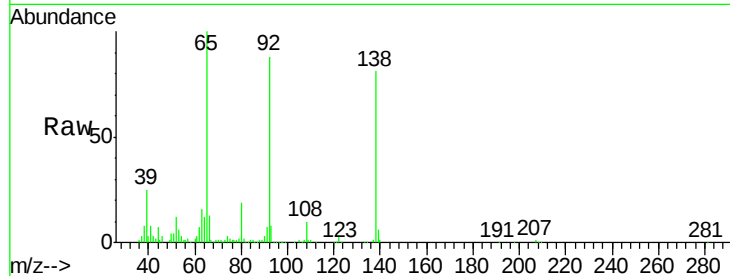
#53
3-Nitroaniline
Concen: 11.393 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.3	12.2	18.4
92	107.4	94.2	141.2

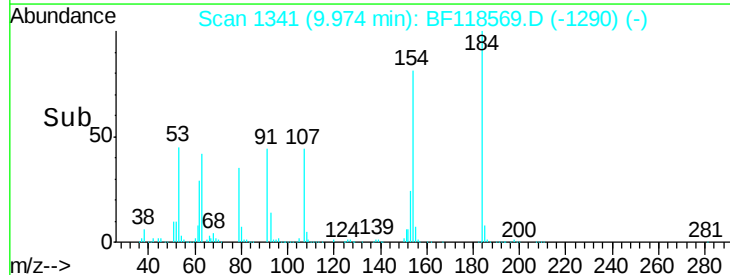
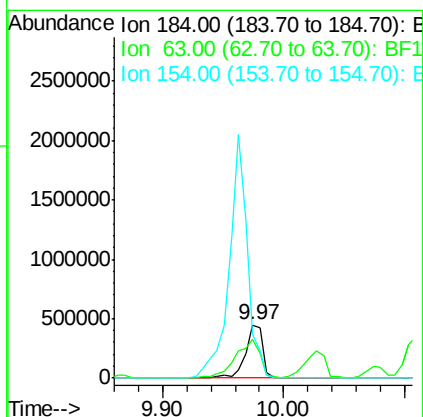
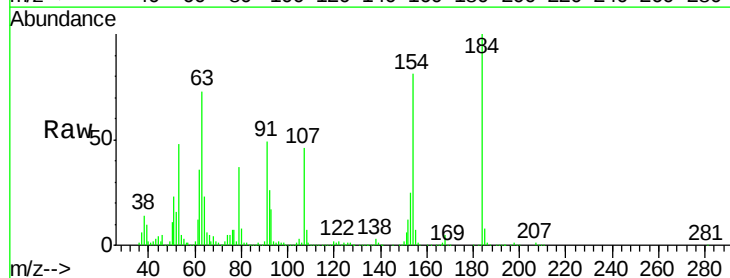
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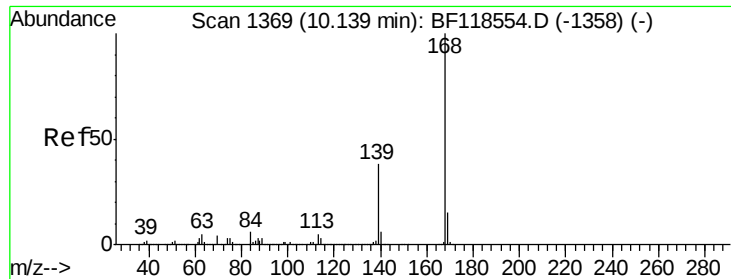
mohammad
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#54
2,4-Dinitrophenol
Concen: 111.873 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	73.0	69.4	104.0
154	81.4	268.5	402.7#





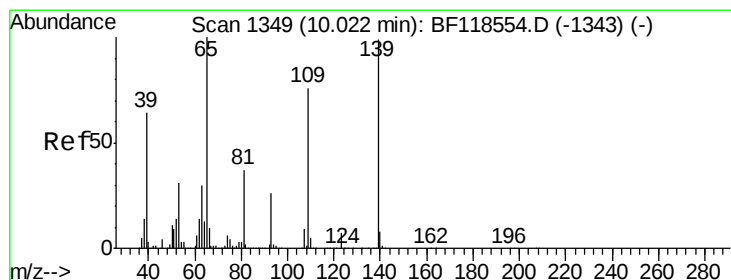
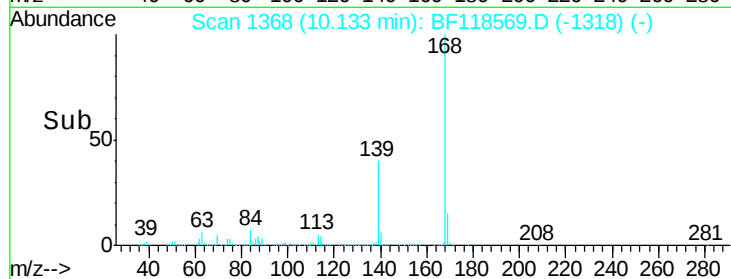
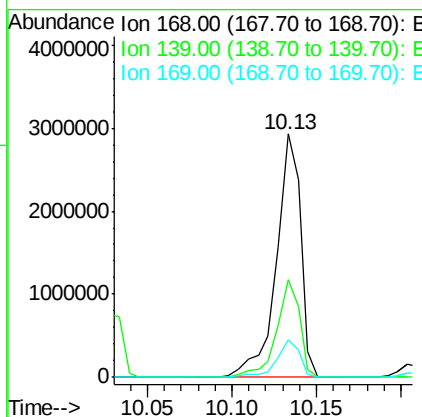
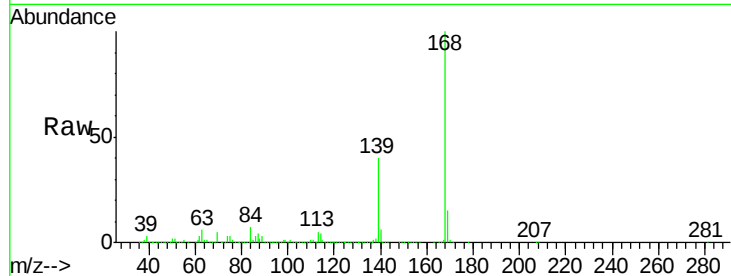
#55
Dibenzofuran
Concen: 53.918 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.2	30.6	46.0
169	15.5	11.9	17.9

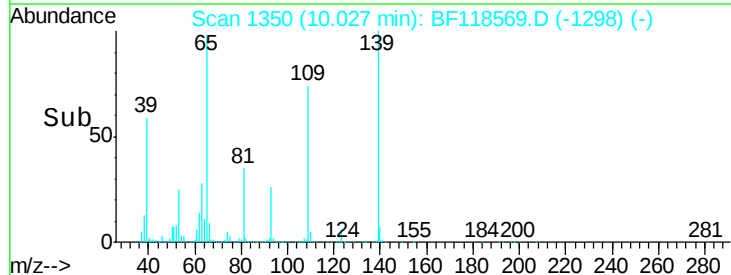
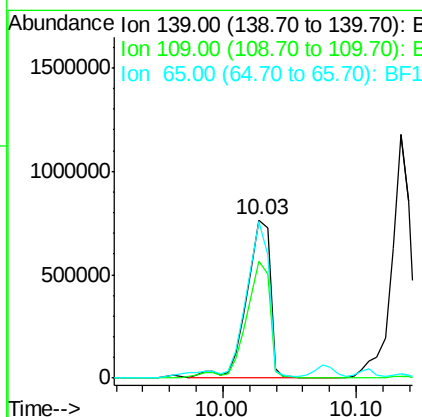
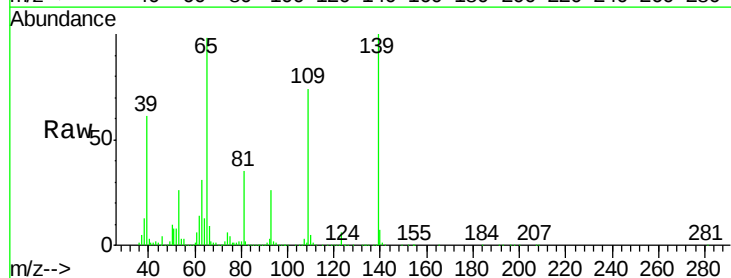
Manual Integrations
APPROVED

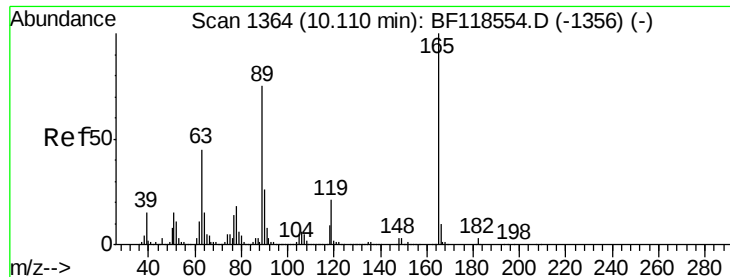
mohammad
1/21/2020 7:58:39 AM



#56
4-Nitrophenol
Concen: 122.298 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.0	56.9	96.9
65	98.5	81.7	121.7





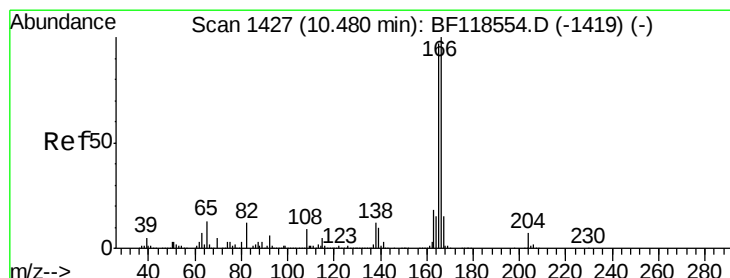
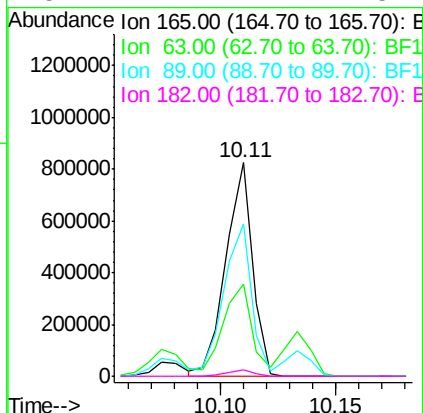
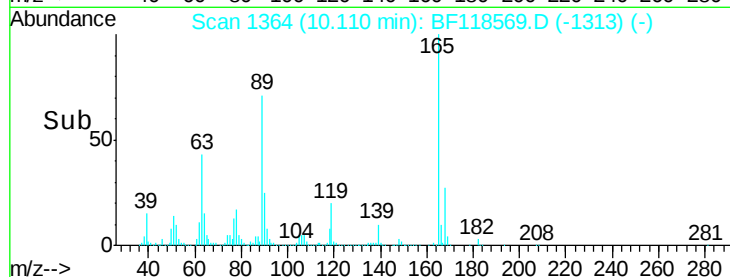
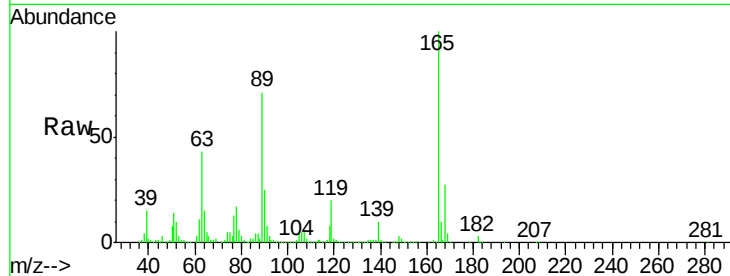
#57
2,4-Dinitrotoluene
Concen: 55.055 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	663561		
63	43.0	35.8	53.6	
89	71.3	59.9	89.9	
182	2.7	2.2	3.2	

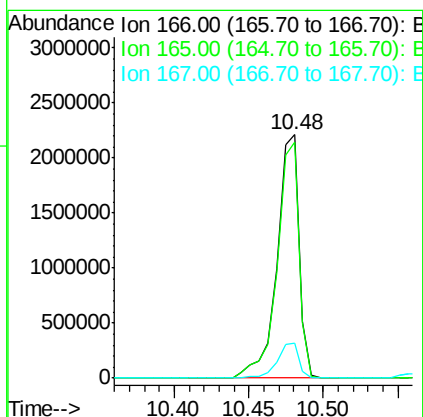
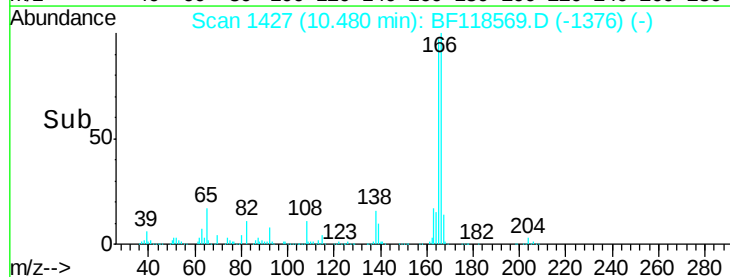
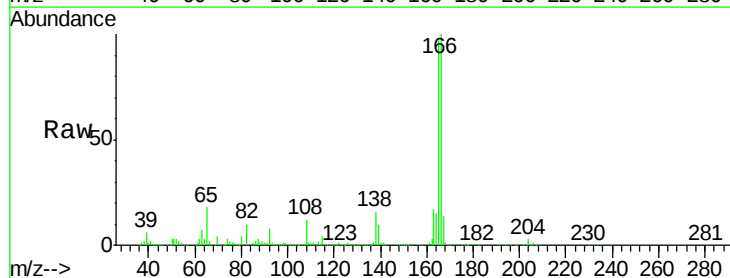
Manual Integrations
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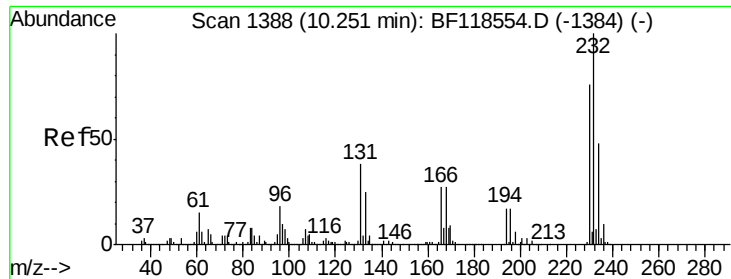
mohammad
1/21/2020 7:58:39 AM



#58
Fluorene
Concen: 54.809 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	2300941		
165	96.7	77.8	116.8	
167	14.2	11.7	17.5	





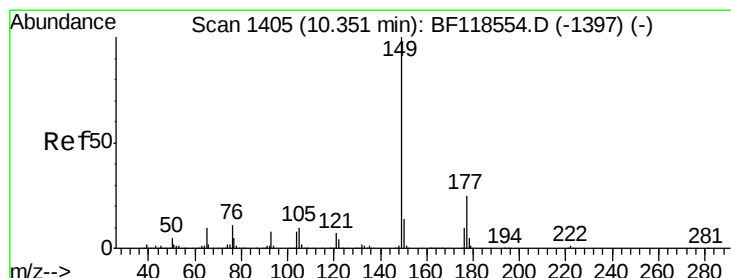
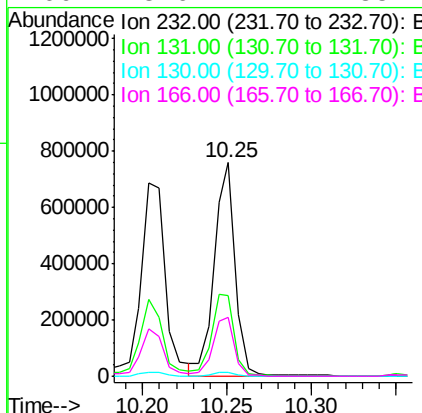
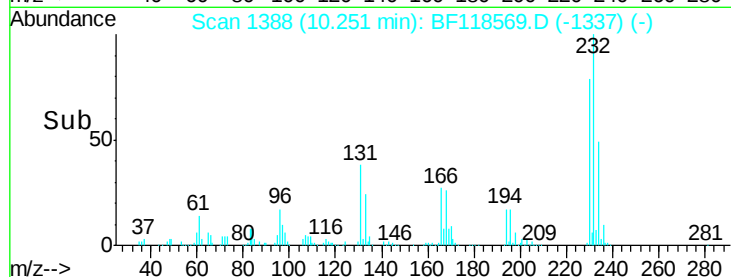
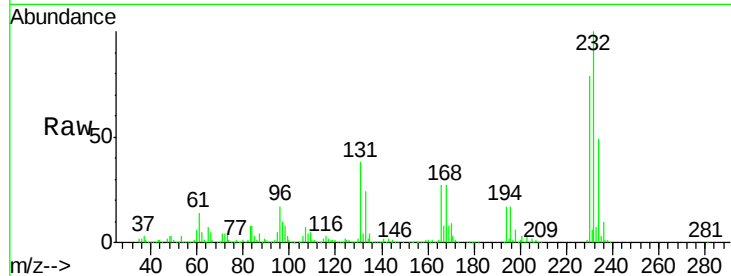
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.795 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion:	232	Resp:	657569
Ion Ratio	Lower	Upper	
232	100		
131	42.1	32.3	48.5
130	2.2	1.7	2.5
166	28.6	22.2	33.2

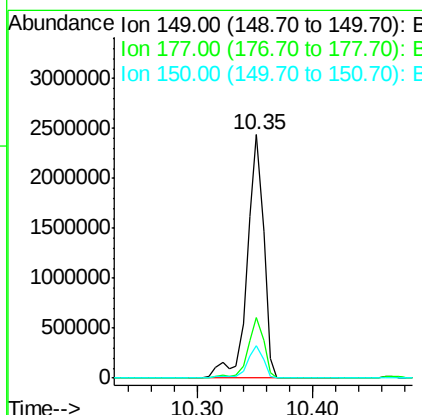
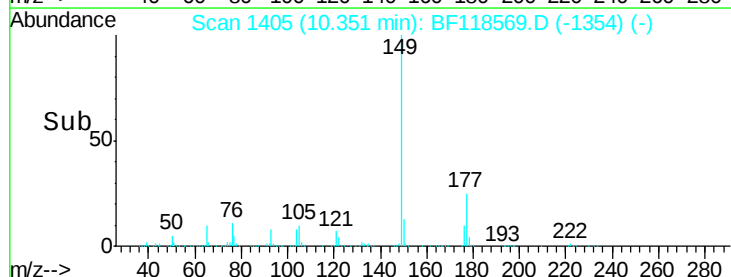
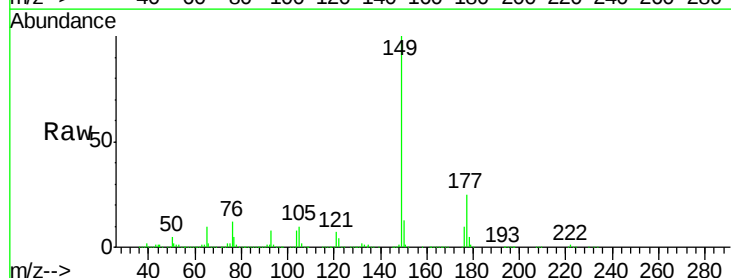
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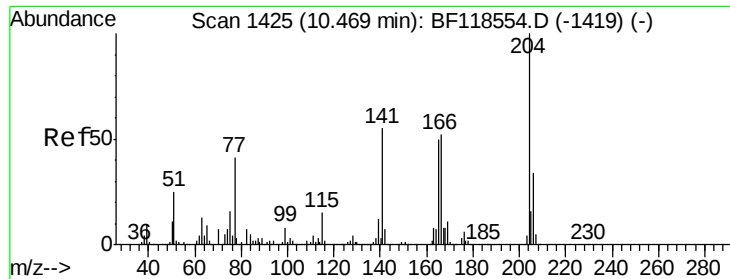
mohammad
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#60
Diethylphthalate
Concen: 51.869 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion:	149	Resp:	2390964
Ion Ratio	Lower	Upper	
149	100		
177	25.0	20.2	30.4
150	13.5	11.0	16.4





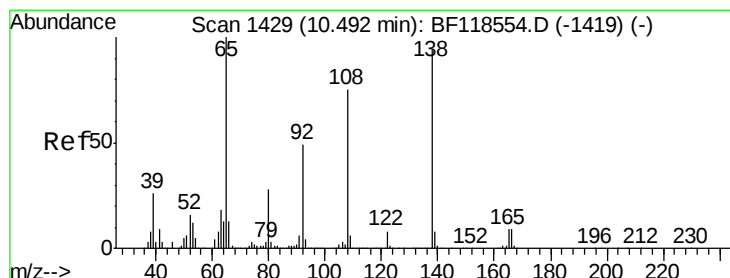
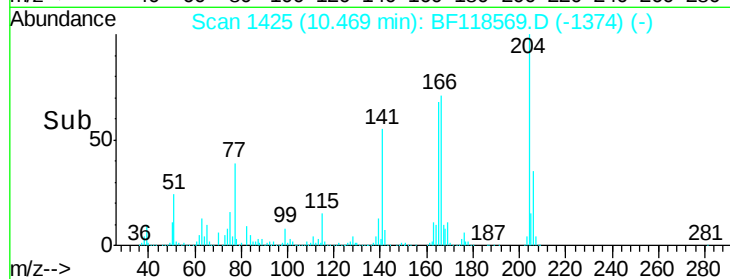
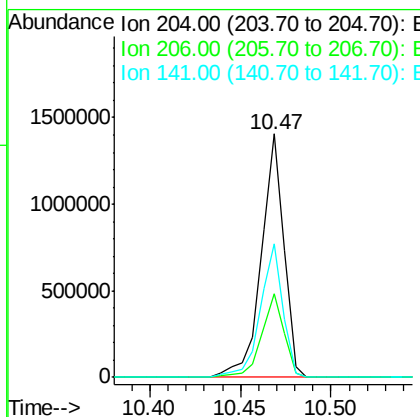
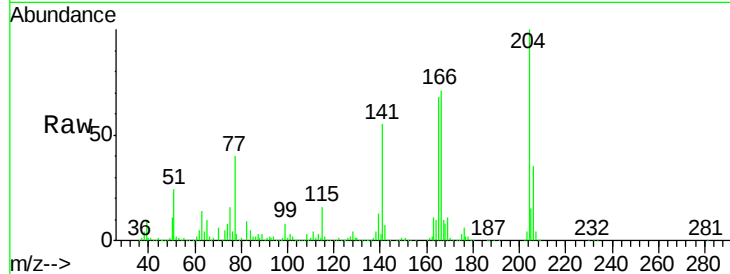
#61
4-Chlorophenyl-phenylether
Concen: 53.135 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion:204 Resp: 1220350
Ion Ratio Lower Upper
204 100
206 34.5 27.1 40.7
141 54.9 44.4 66.6

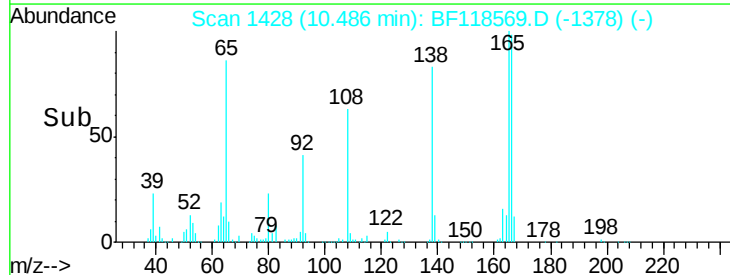
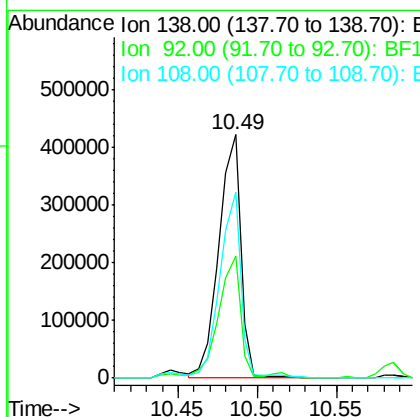
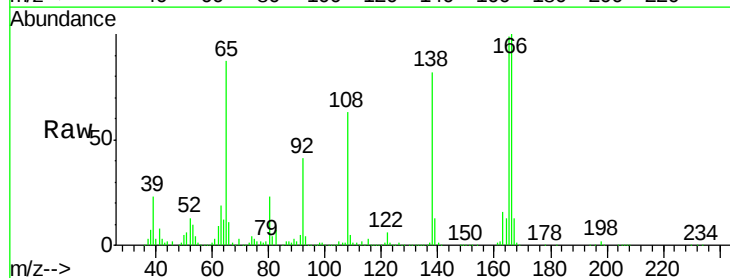
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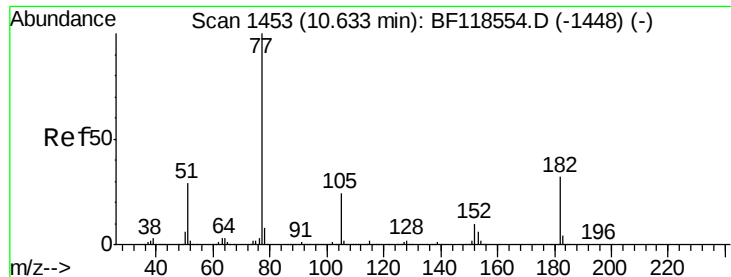
mohammad
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#62
4-Nitroaniline
Concen: 40.066 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion:138 Resp: 406111
Ion Ratio Lower Upper
138 100
92 50.0 31.7 71.7
108 76.3 59.6 99.6





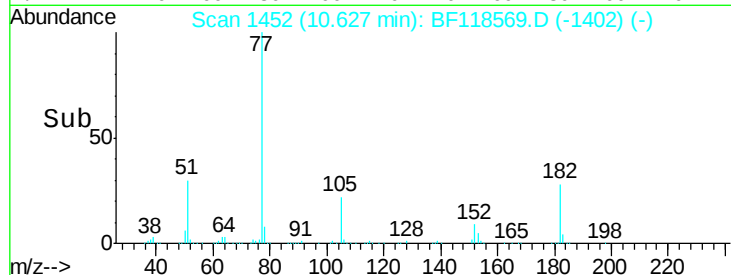
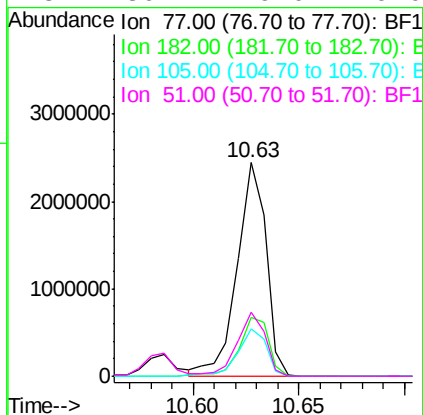
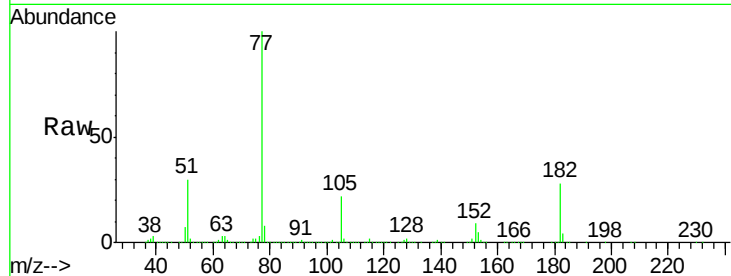
#63
Azobenzene
Concen: 51.710 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	27.8	11.7	51.7
105	22.1	3.6	43.6
51	30.1	9.0	49.0

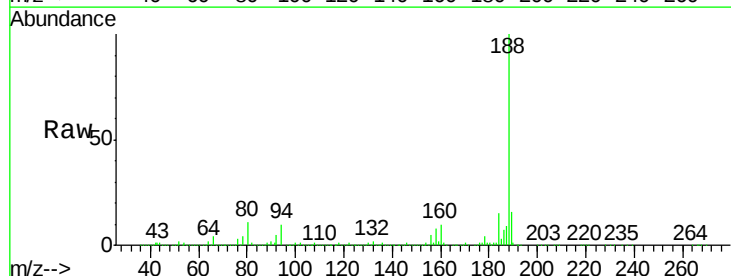
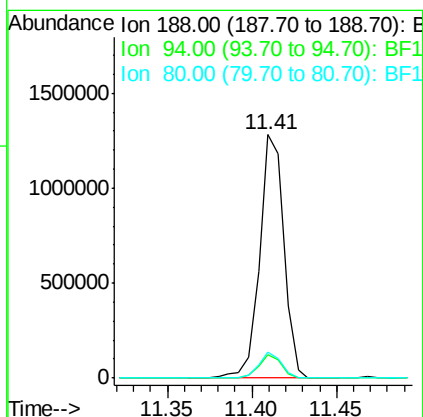
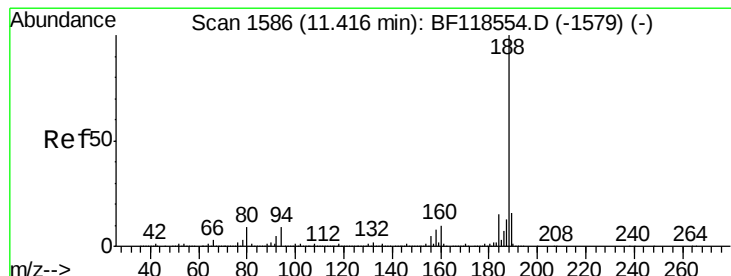
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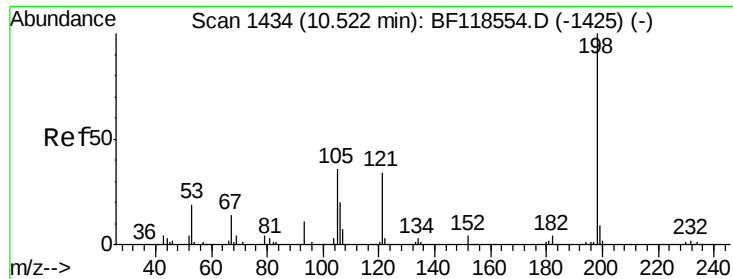
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.0	10.4
80	10.6	7.4	11.2





#65

4,6-Dinitro-2-methylphenol

Concen: 58.743 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

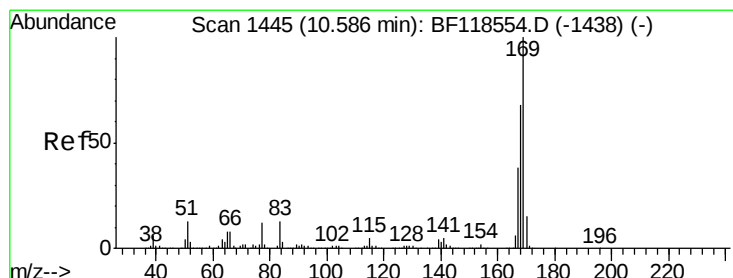
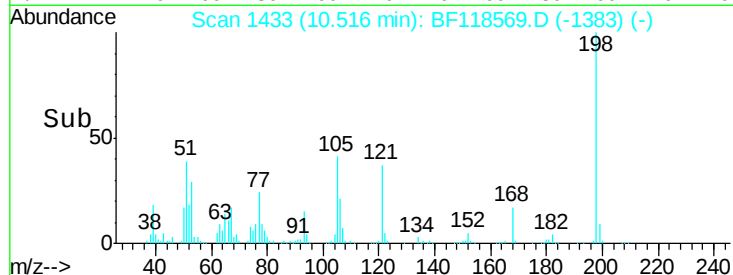
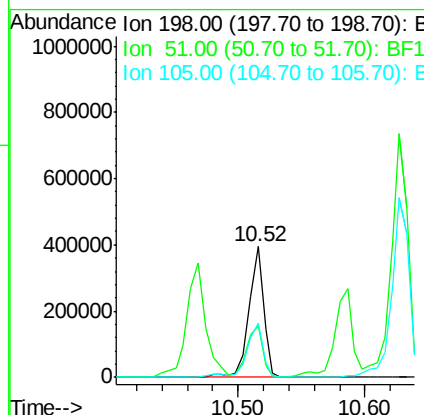
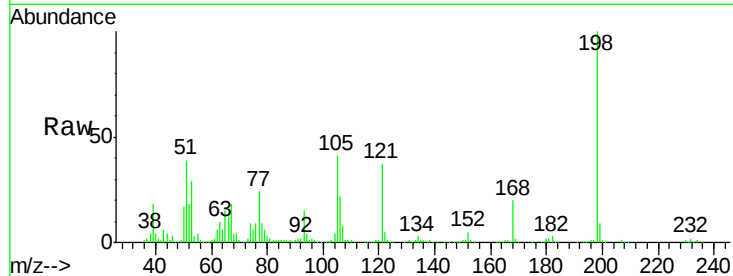
ClientSampleId :

HR-05-011420MSD

Tot Ion:	198	Resp:	320197
Ion Ratio	Lower	Upper	
198	100		
51	39.4	13.2	53.2
105	41.1	17.2	57.2

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#66

n-Nitrosodiphenylamine

Concen: 46.483 ng

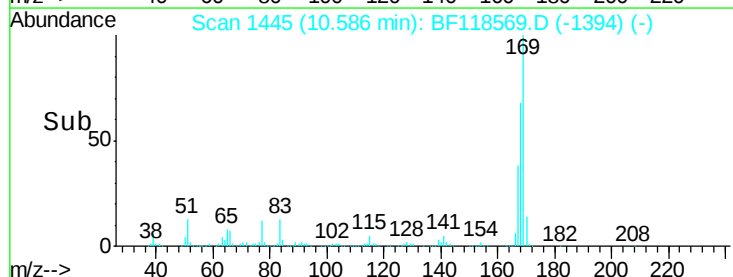
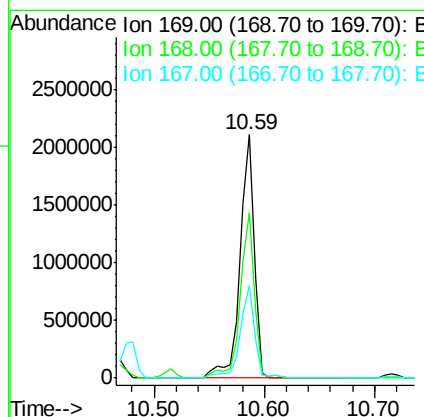
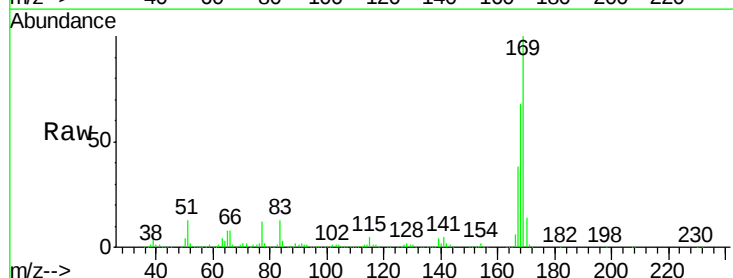
RT: 10.59 min Scan# 1445

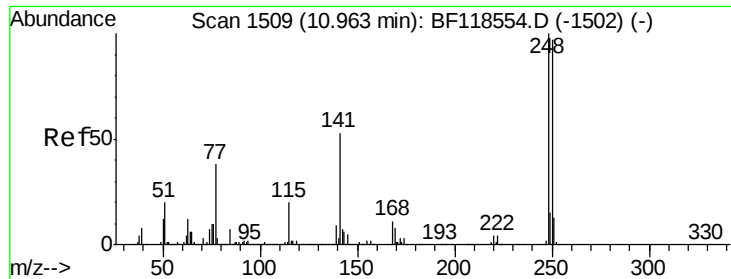
Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tgt Ion:	169	Resp:	1911587
Ion Ratio	Lower	Upper	
169	100		
168	68.0	54.2	81.4
167	38.0	30.5	45.7





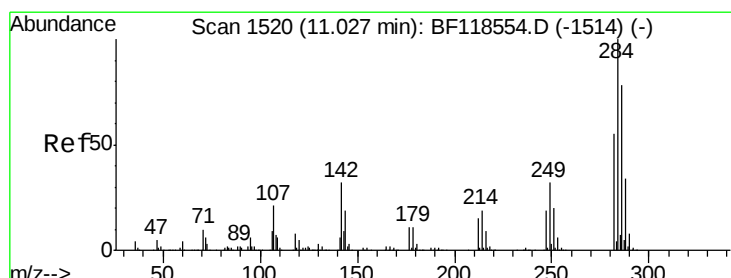
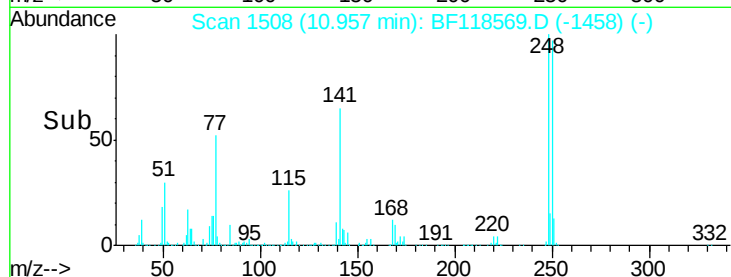
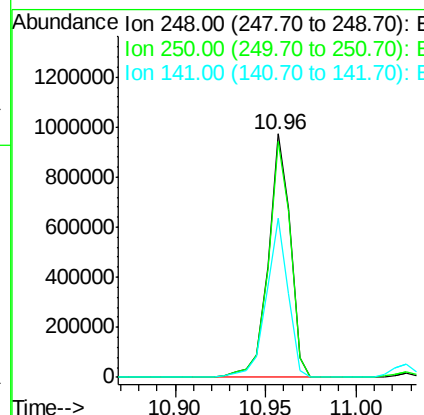
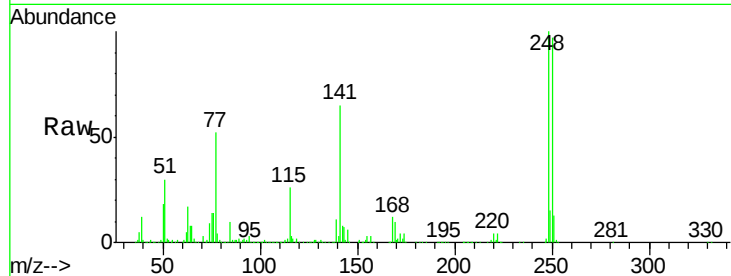
#67
4-Bromophenyl-phenylether
Concen: 47.989 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.8	116.8
141	65.2	42.7	64.1#

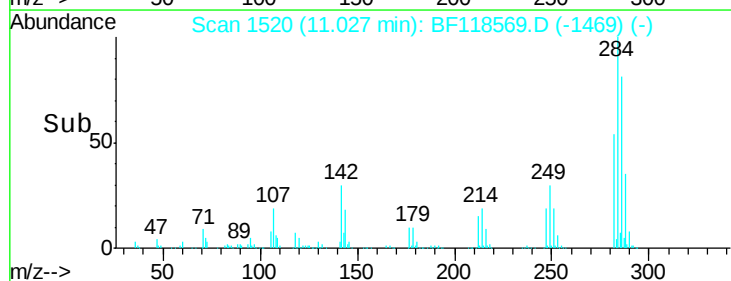
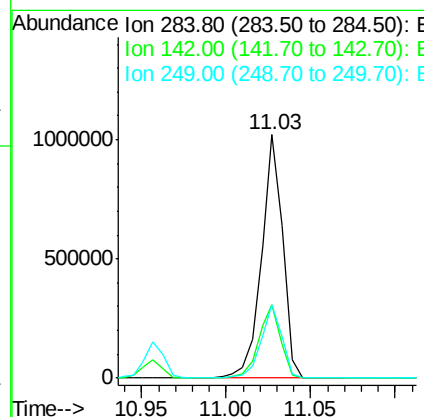
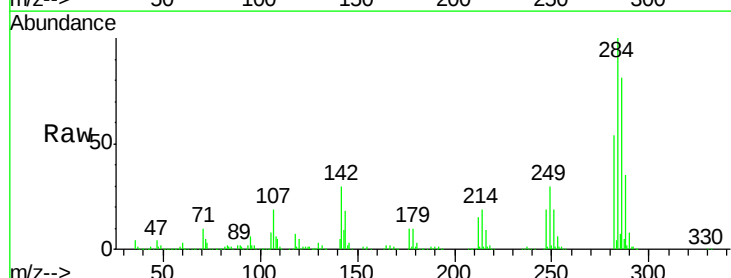
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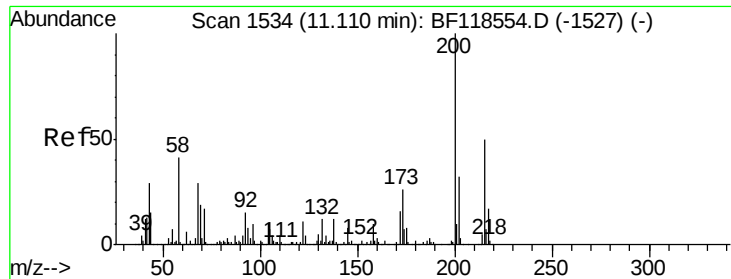
mohammad
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#68
Hexachlorobenzene
Concen: 47.076 ng
RT: 11.03 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.0	25.6	38.4
249	30.2	25.6	38.4





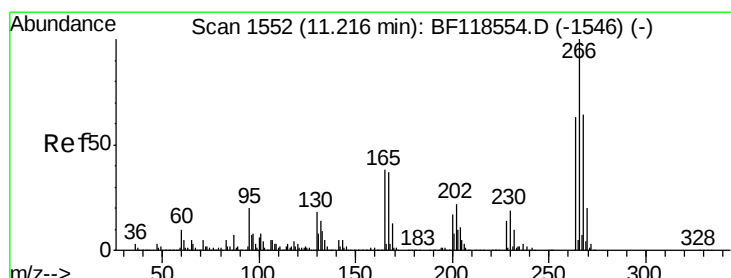
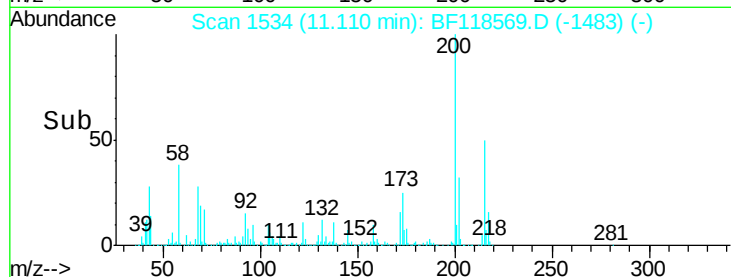
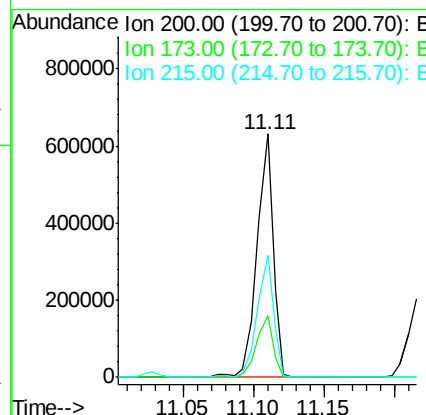
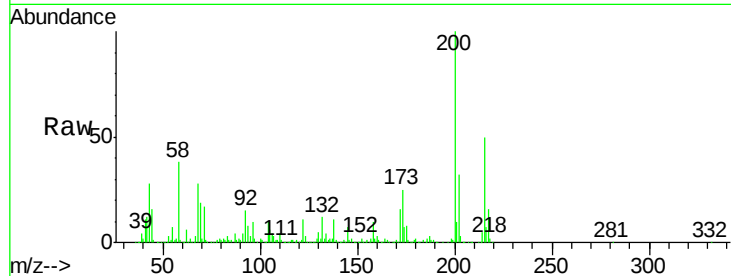
#69
Atrazine
Concen: 43.530 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.8	45.8
215	50.1	29.8	69.8

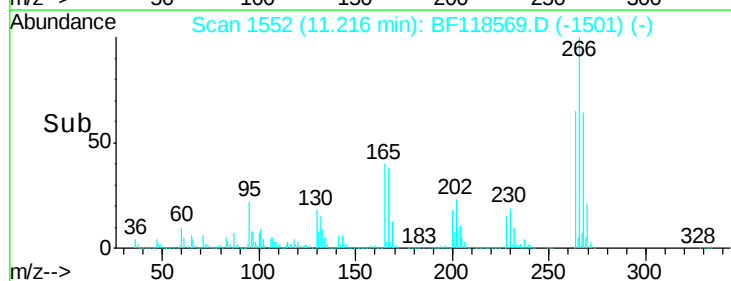
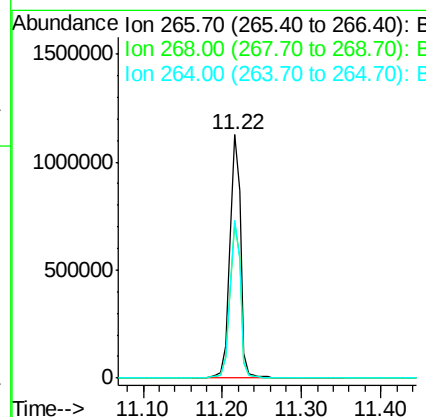
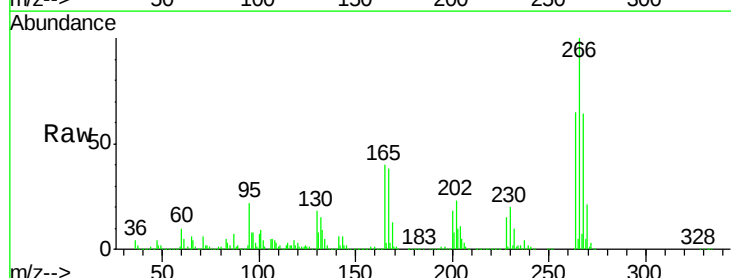
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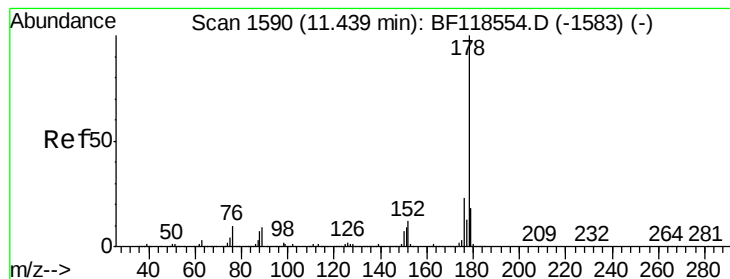
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#70
Pentachlorophenol
Concen: 113.462 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.4
264	64.6	50.5	75.7





#71

Phenanthrene

Concen: 51.334 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:178 Resp: 3302392

Ion Ratio Lower Upper

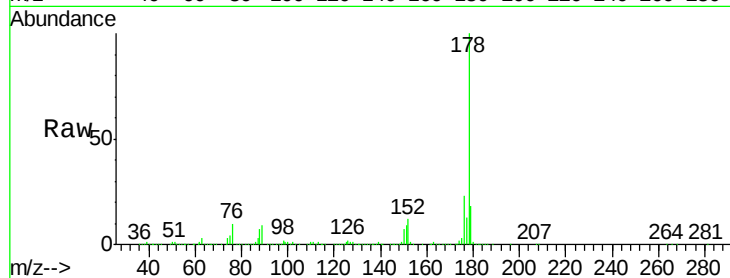
178 100

176 23.2 18.6 28.0

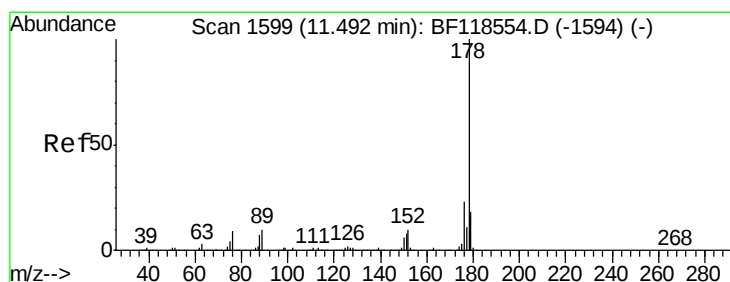
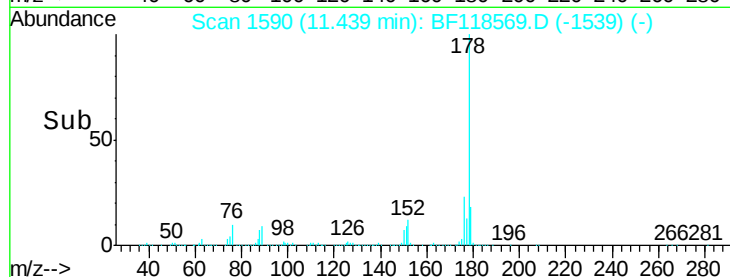
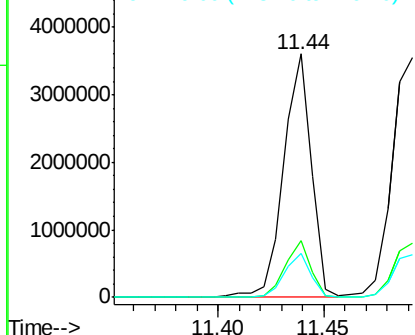
179 18.1 14.6 22.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.215 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tgt Ion:178 Resp: 3351381

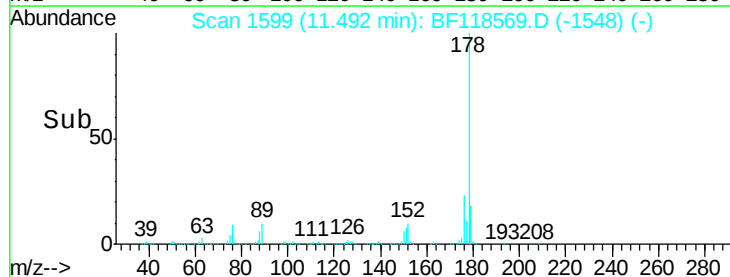
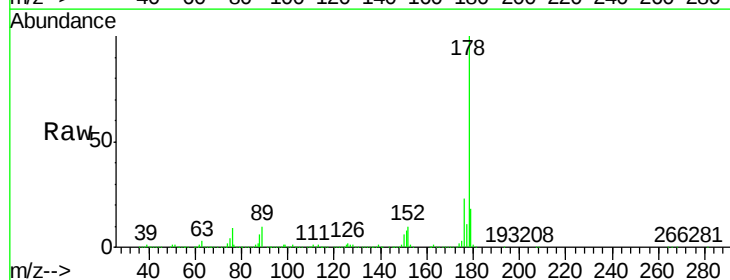
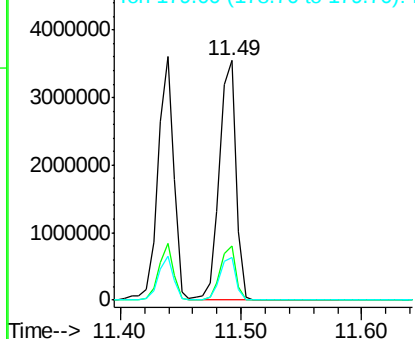
Ion Ratio Lower Upper

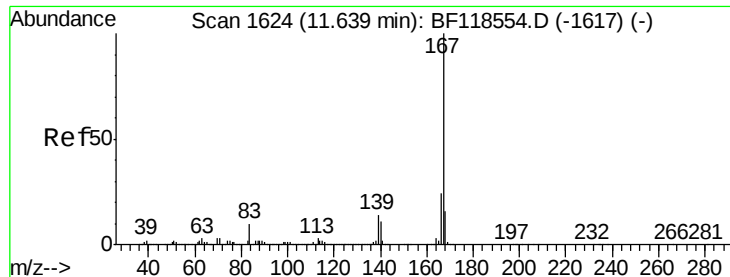
178 100

176 22.5 18.1 27.1

179 18.1 14.7 22.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





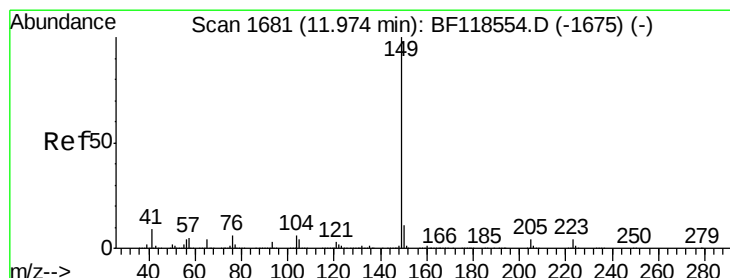
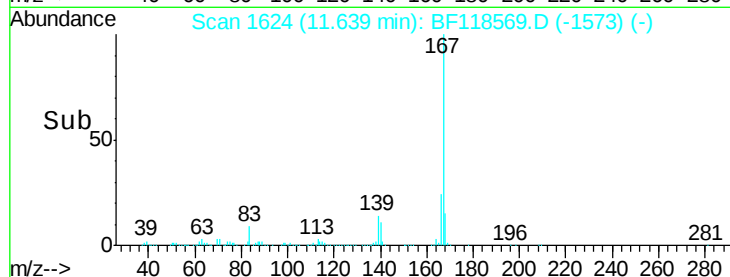
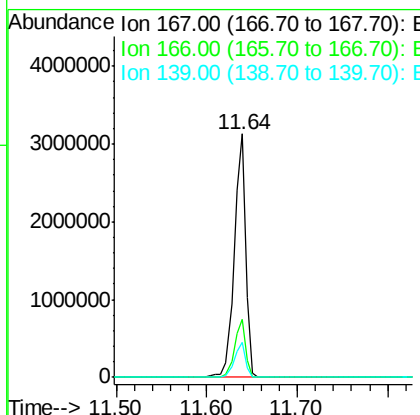
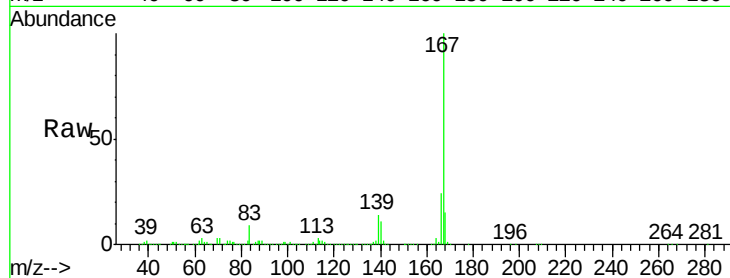
#73
 Carbazole
 Concen: 48.023 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.9	19.5	29.3
139	14.1	11.5	17.3

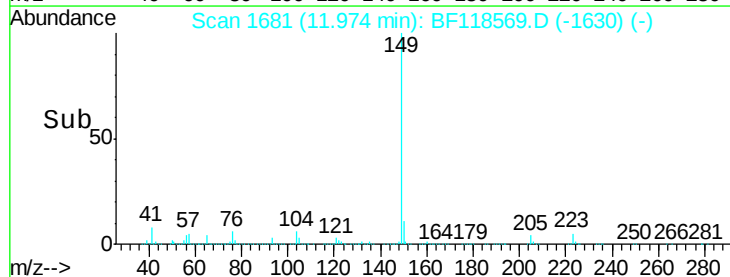
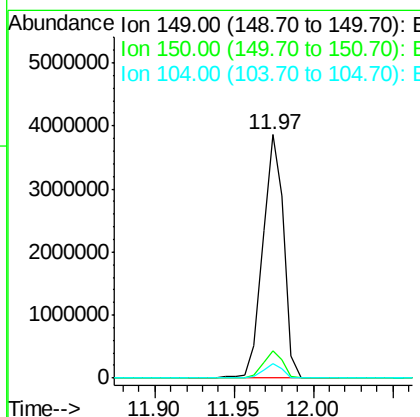
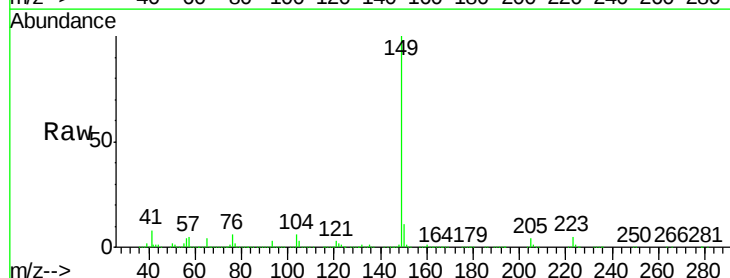
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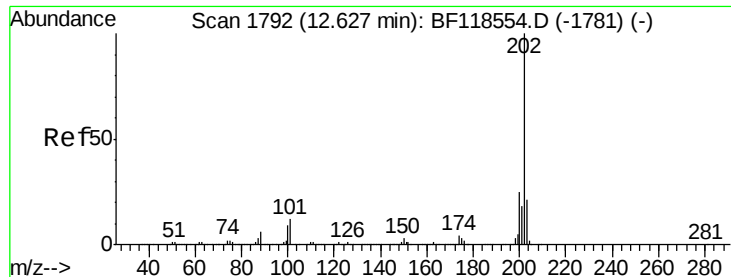
mohammad
 1/21/2020 7:58:39 AM



#74
 Di-n-butylphthalate
 Concen: 49.547 ng
 RT: 11.97 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.4	9.0	13.6
104	6.1	5.0	7.4





#75

Fluoranthene

Concen: 50.474 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:202 Resp: 3491908

Ion Ratio Lower Upper

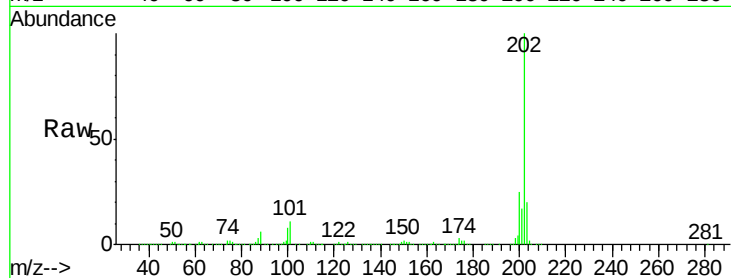
202 100

101 10.8 0.0 31.9

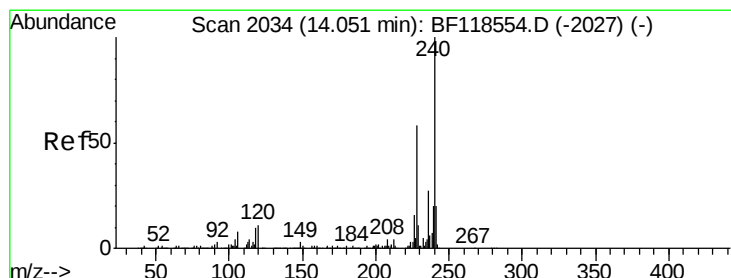
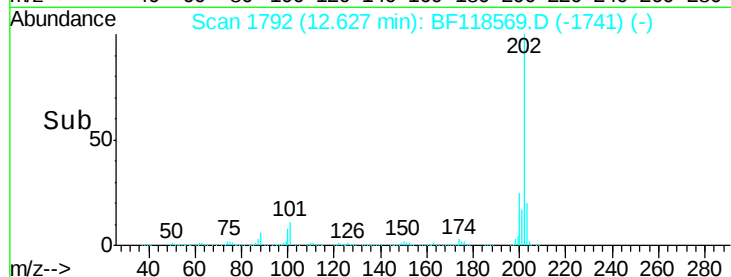
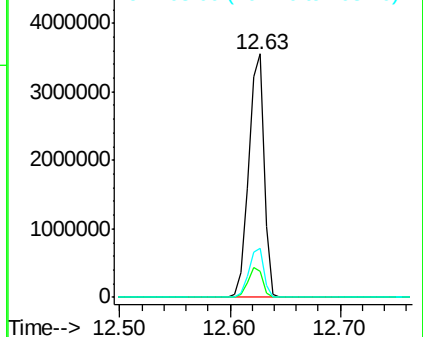
203 20.4 0.9 40.9

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

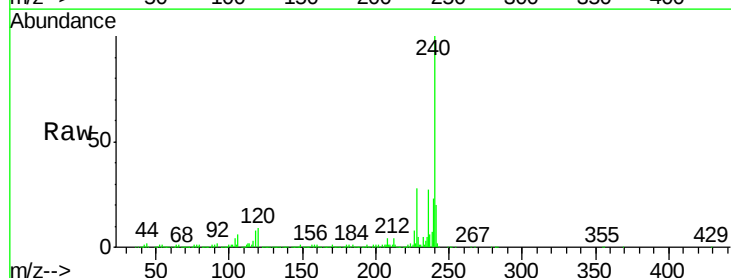
Tgt Ion:240 Resp: 991701

Ion Ratio Lower Upper

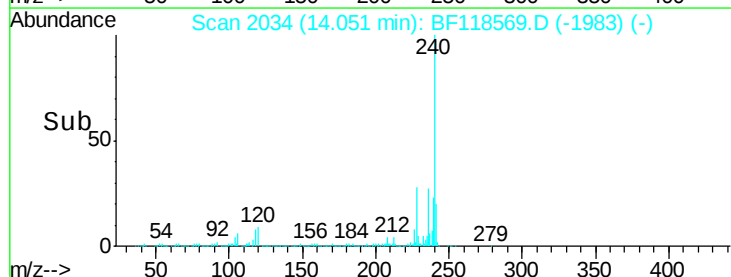
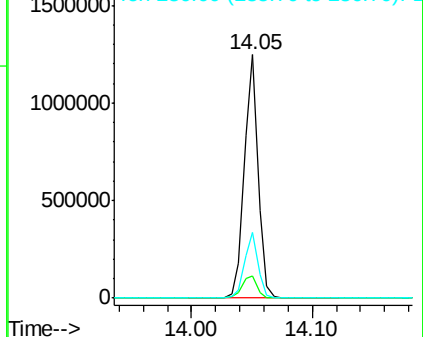
240 100

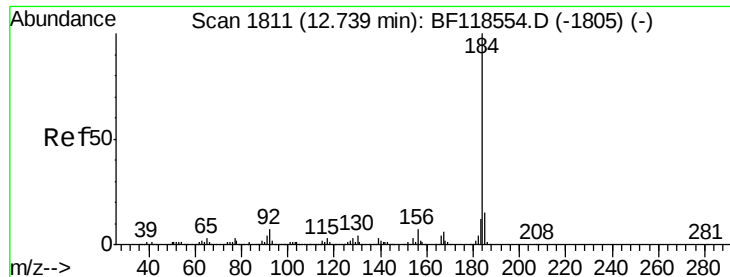
120 9.3 8.7 13.1

236 27.2 21.8 32.8



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





#77

Benzidine

Concen: 0.429 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

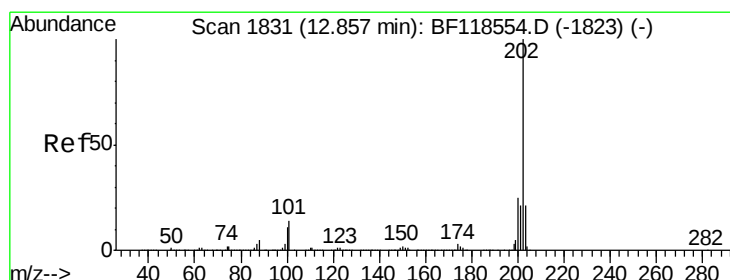
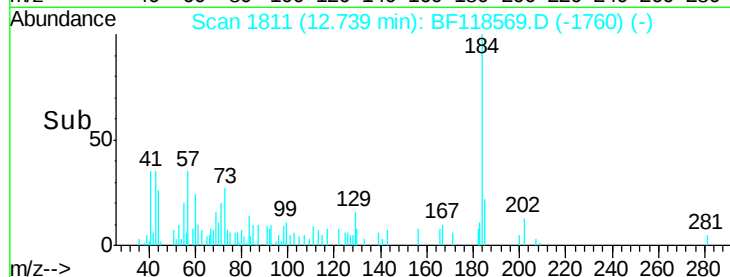
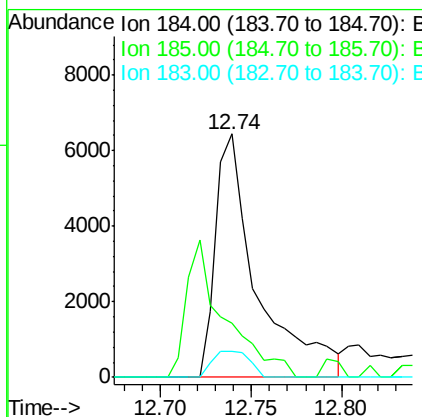
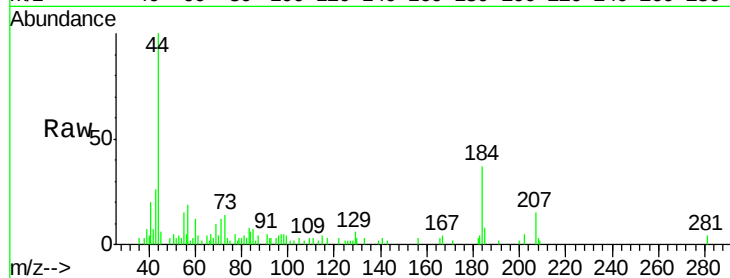
ClientSampleId :

HR-05-011420MSD

Tot Ion	Ion	Ratio	Lower	Upper
184	100			
185	22.1	12.3	18.5	
183	10.9	9.5	14.3	

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#78

Pyrene

Concen: 47.818 ng

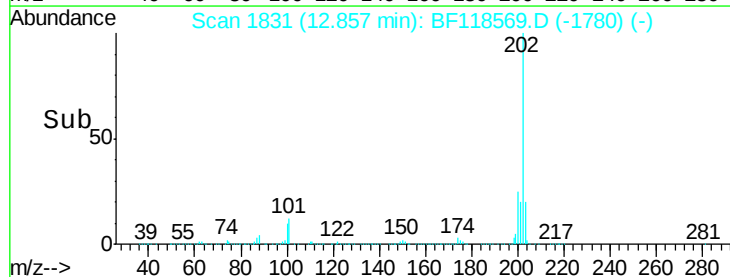
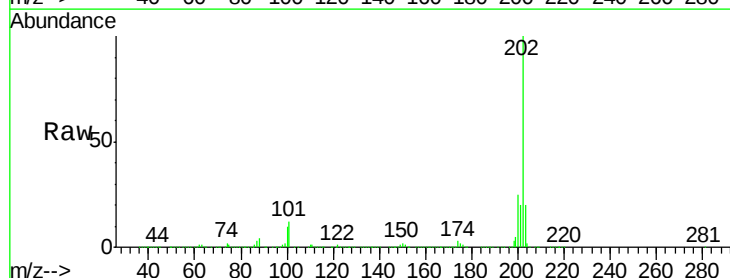
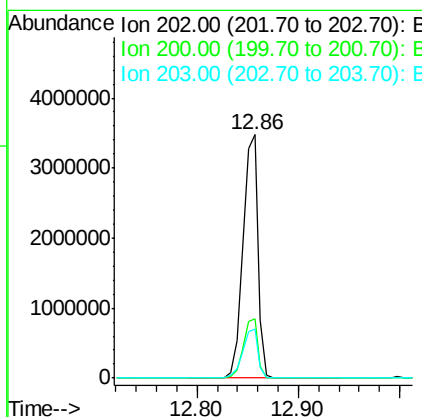
RT: 12.86 min Scan# 1831

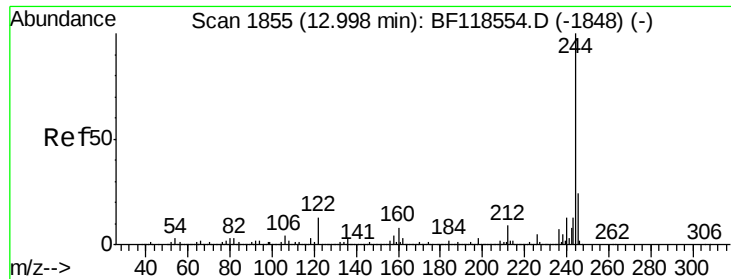
Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	24.6	20.2	30.4	
203	20.1	16.6	25.0	





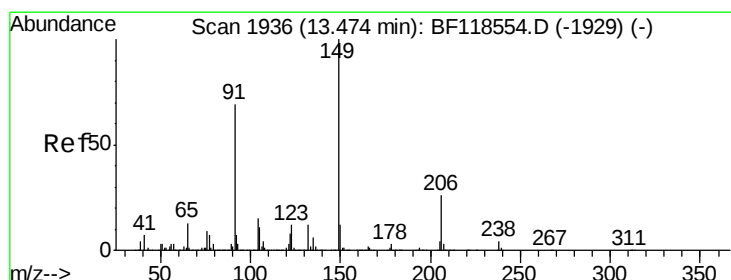
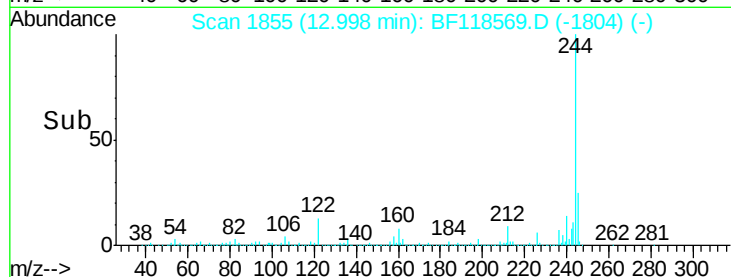
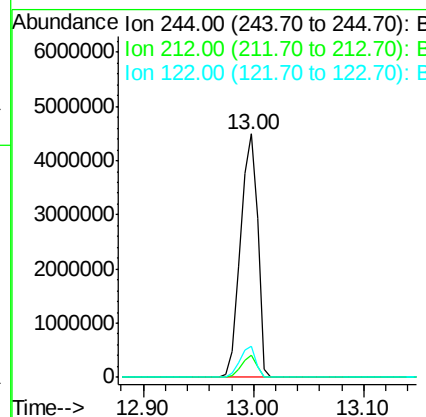
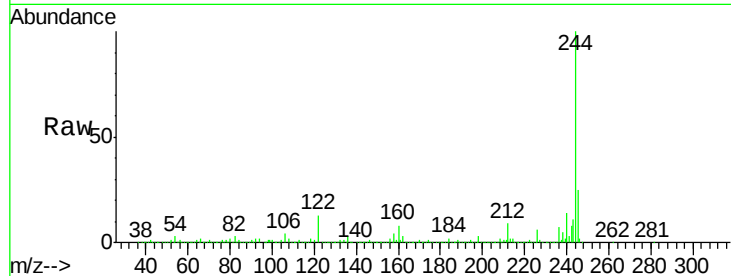
#79
 Terphenyl-d14
 Concen: 98.243 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.4
122	12.9	10.4	15.6

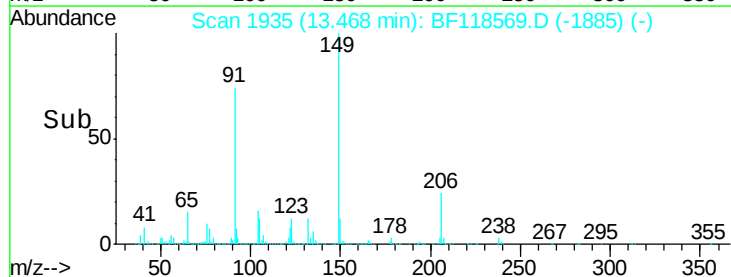
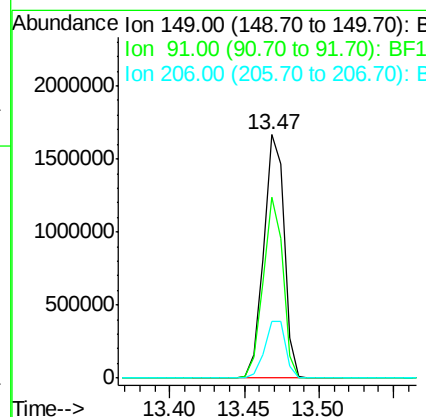
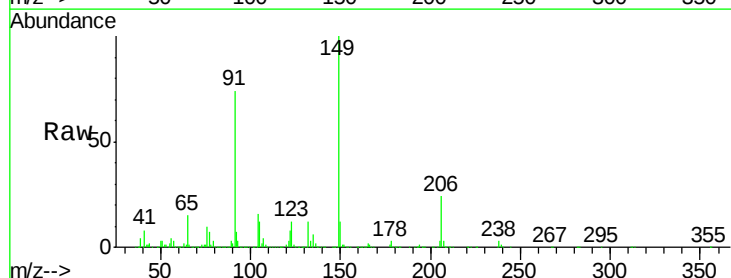
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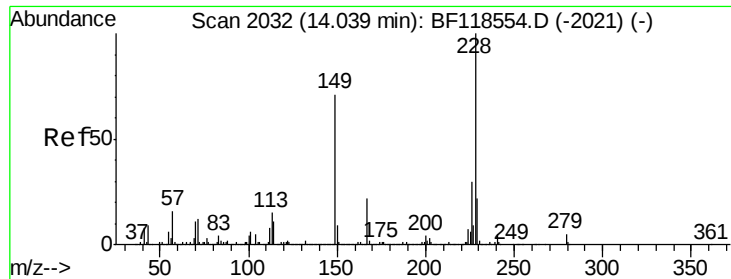
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#80
 Butylbenzylphthalate
 Concen: 49.083 ng
 RT: 13.47 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.4	55.5	83.3
206	23.5	20.7	31.1





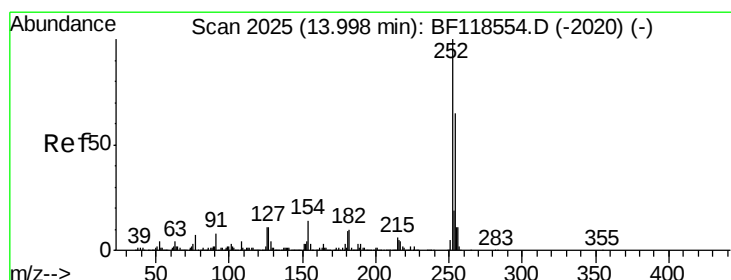
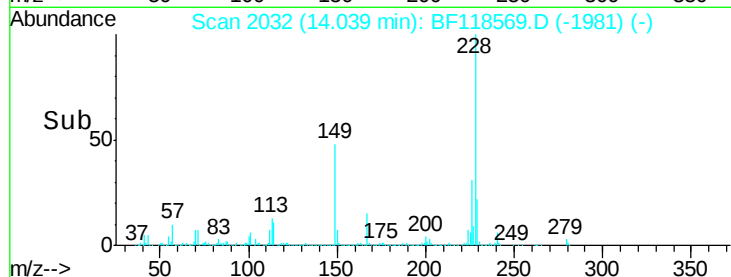
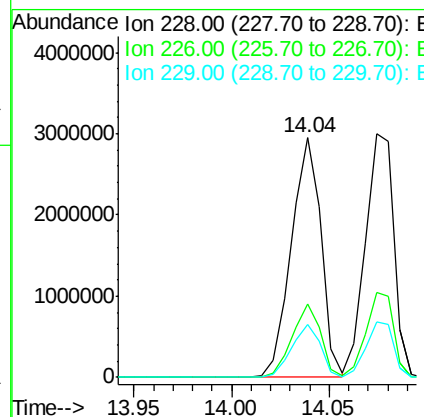
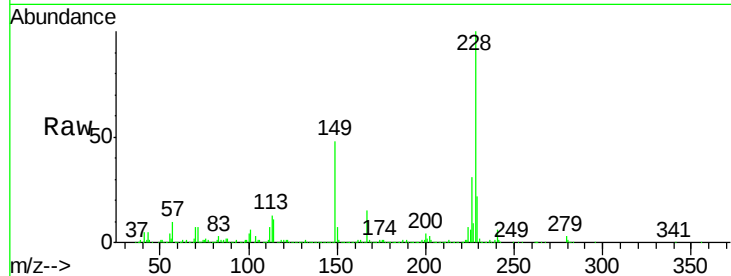
#81
Benzo(a)anthracene
Concen: 49.631 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.7	35.5
229	22.2	17.3	25.9

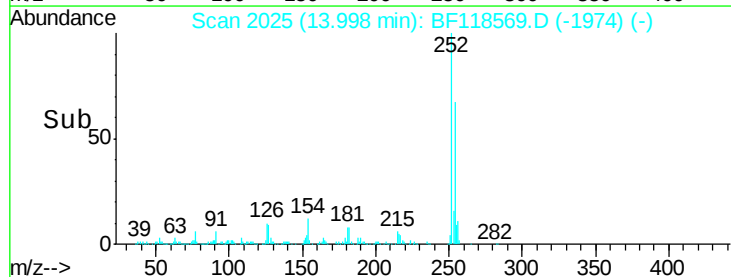
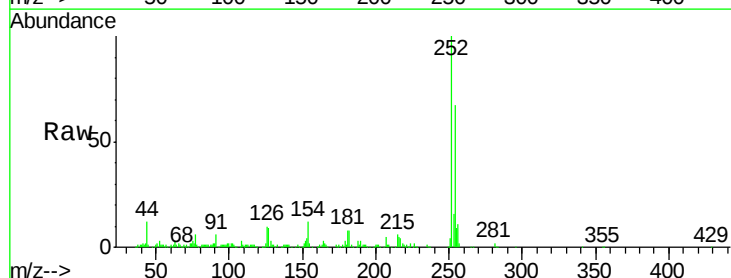
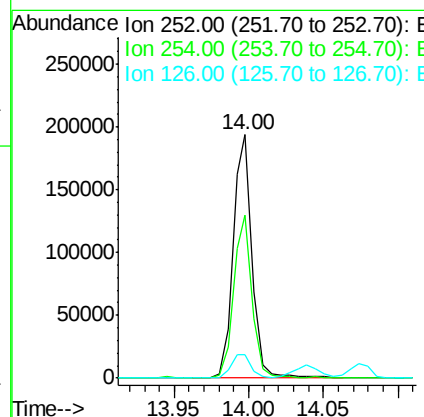
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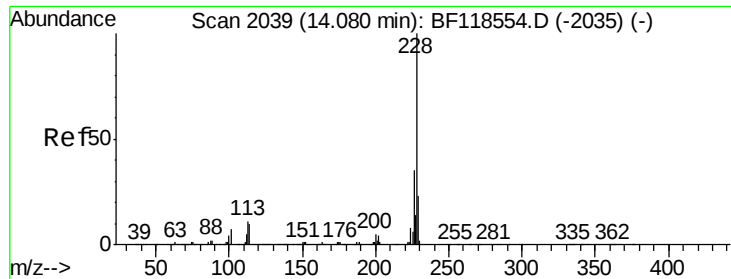
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#82
3,3'-Dichlorobenzidine
Concen: 7.936 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.7	52.0	78.0
126	9.6	9.1	13.7





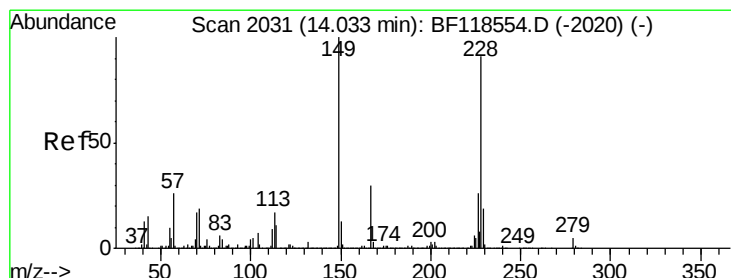
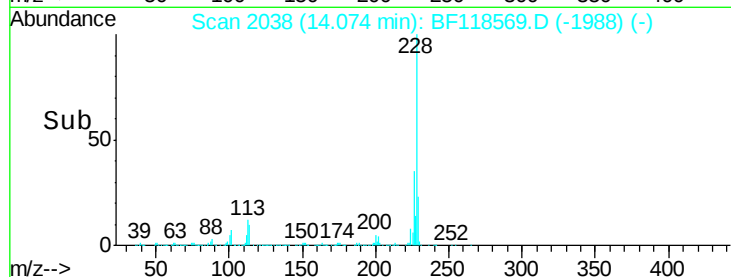
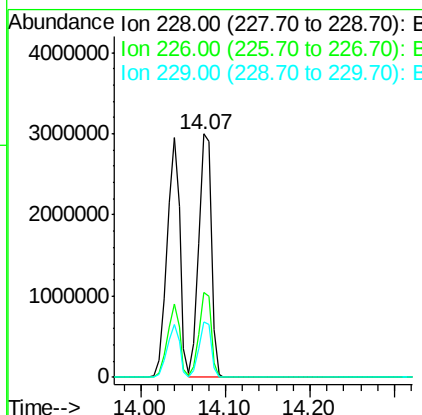
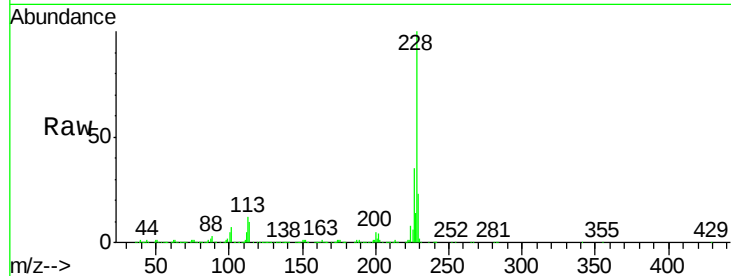
#83
 Chrysene
 Concen: 50.485 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MSD

Tot Ion:228 Resp: 3039708
 Ion Ratio Lower Upper
 228 100
 226 34.9 28.2 42.2
 229 22.6 18.2 27.2

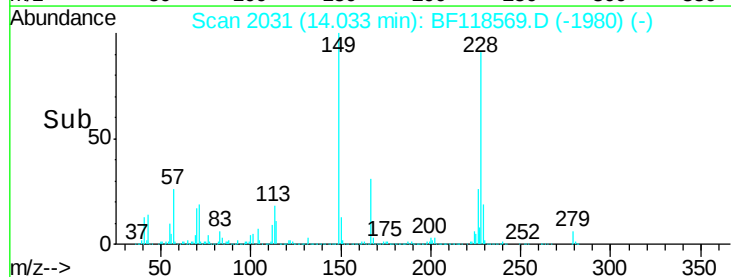
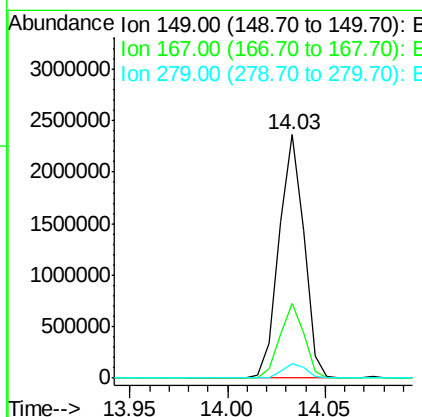
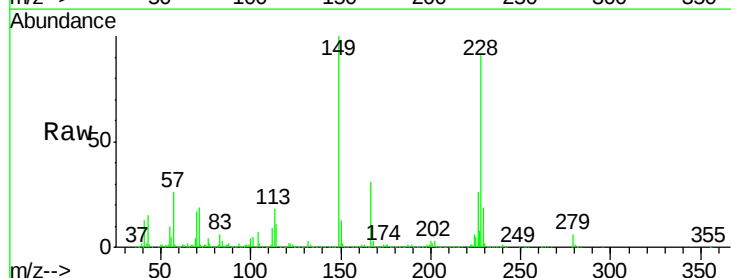
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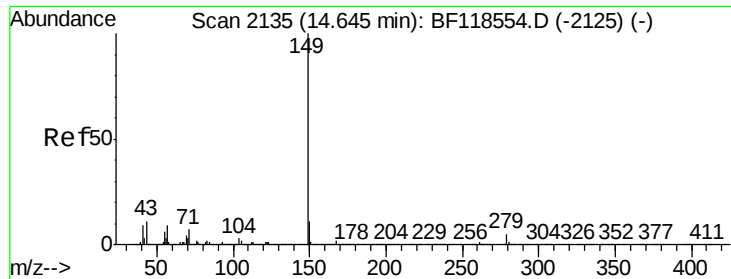
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.063 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: BF118569.D
 Acq: 17 Jan 2020 20:27

Tgt Ion:149 Resp: 2089674
 Ion Ratio Lower Upper
 149 100
 167 30.5 23.9 35.9
 279 5.8 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 56.607 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:149 Resp: 3413721

Ion Ratio Lower Upper

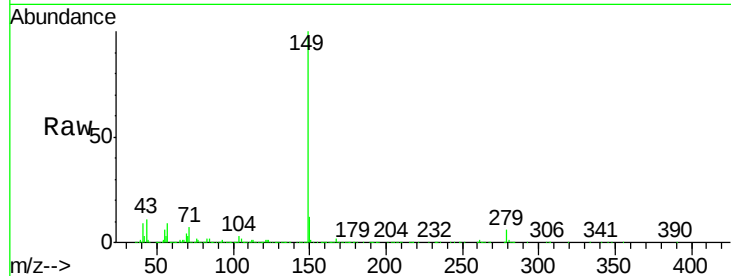
149 100

167 1.8 1.4 2.2

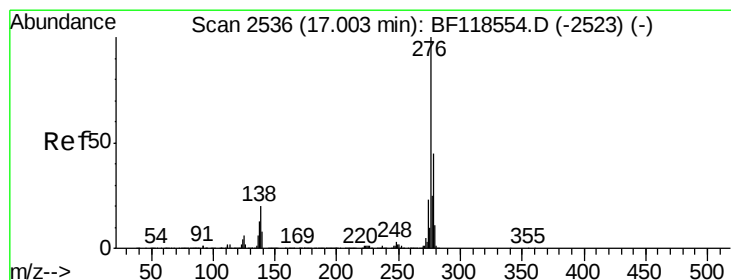
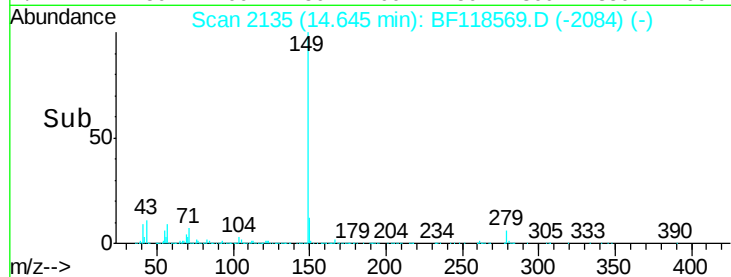
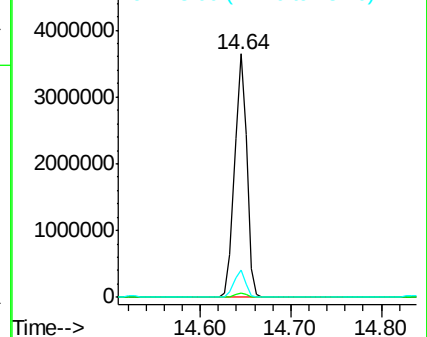
43 10.7 8.9 13.3

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Abundance Ion 149.00 (148.70 to 149.70): E
5000000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 56.598 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

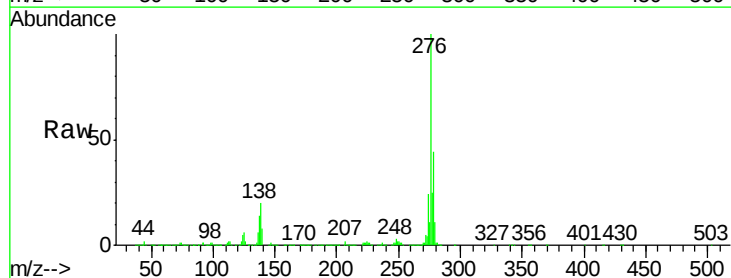
Tgt Ion:276 Resp: 3353490

Ion Ratio Lower Upper

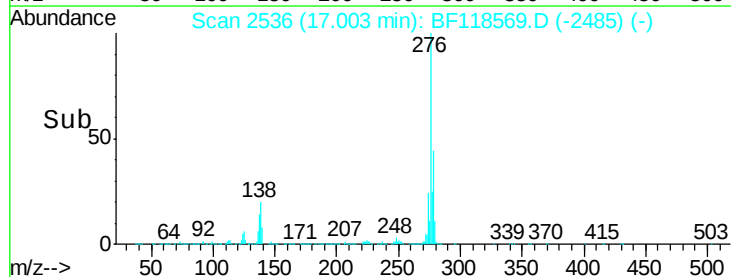
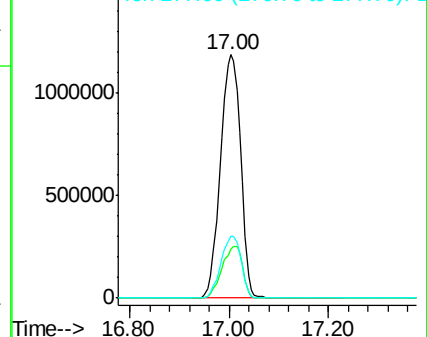
276 100

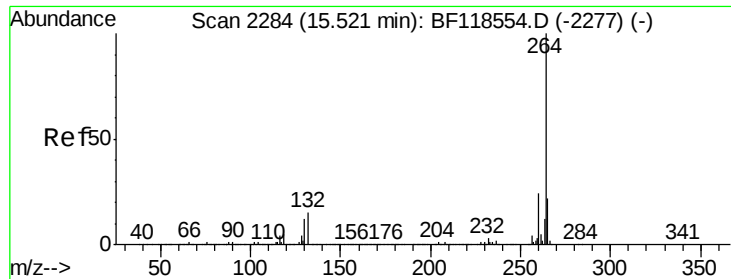
138 21.8 17.3 25.9

277 25.6 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E
1500000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

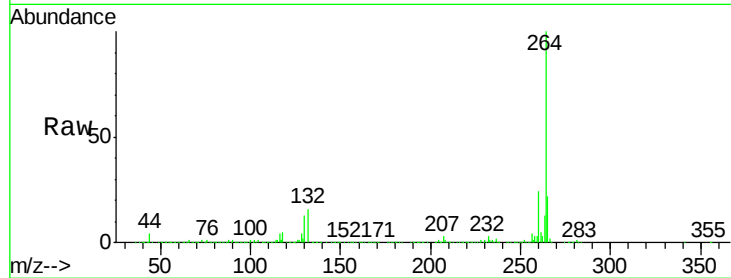
ClientSampleId :

HR-05-011420MSD

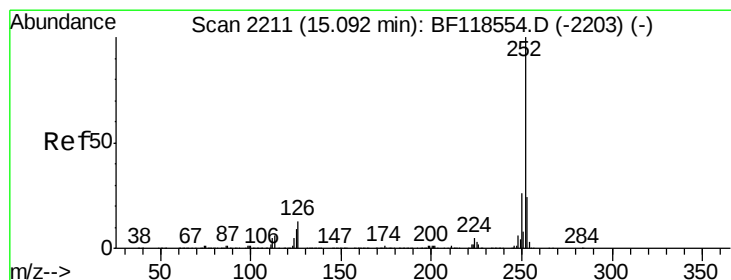
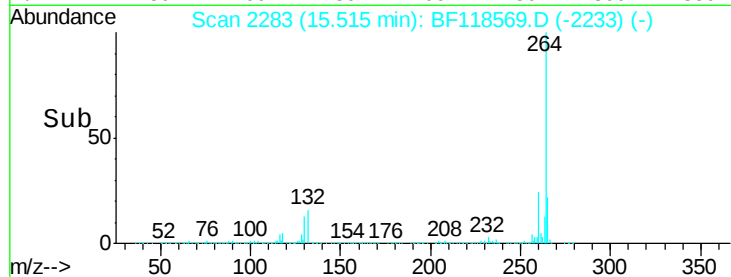
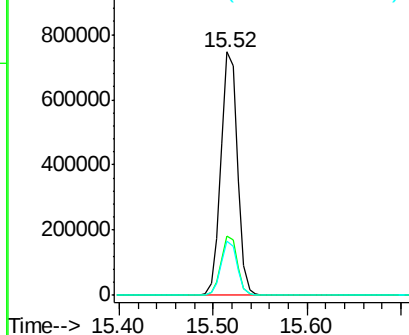
Tot Ion:	264	Resp:	923227
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.0	28.6
265	22.3	17.6	26.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 50.271 ng

RT: 15.09 min Scan# 2211

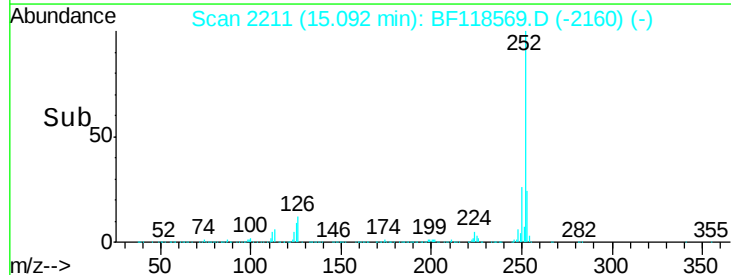
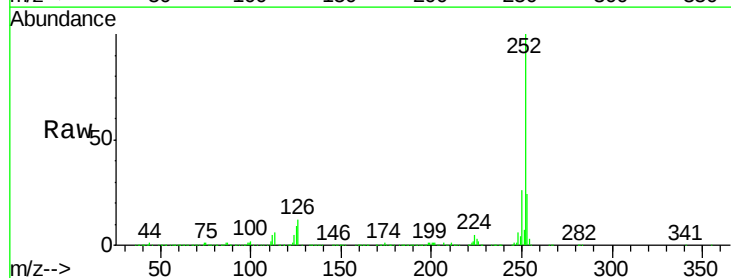
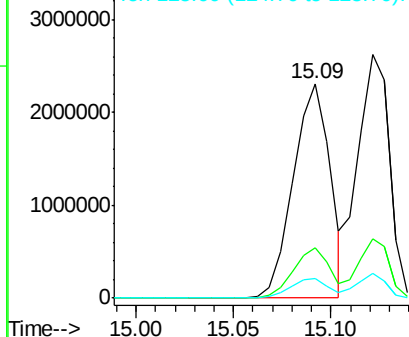
Delta R.T. -0.00 min

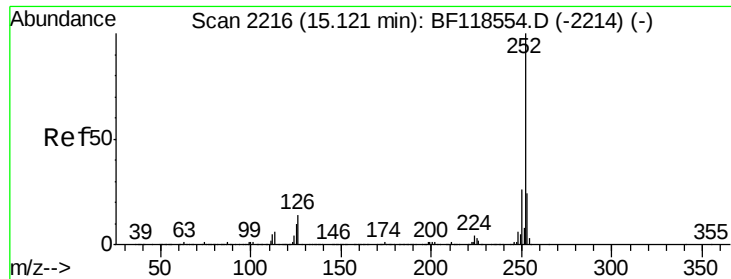
Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Tgt Ion:	252	Resp:	3022812
Ion Ratio	Lower	Upper	
252	100		
253	23.8	19.1	28.7
125	9.3	7.5	11.3

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





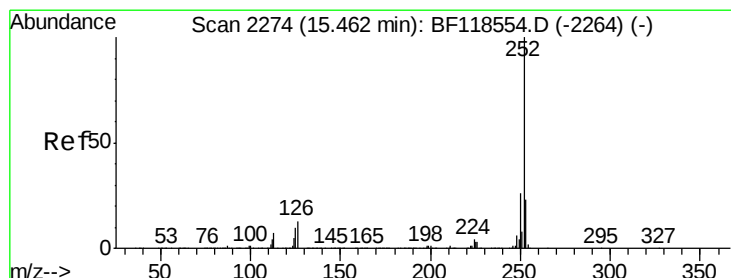
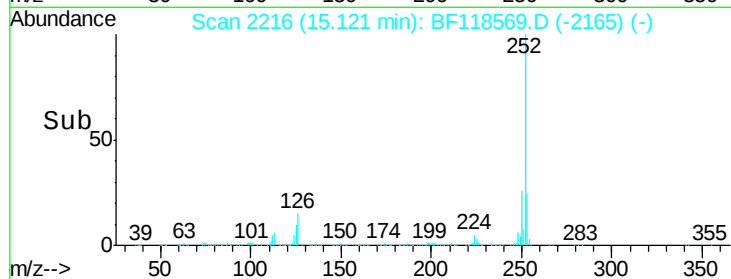
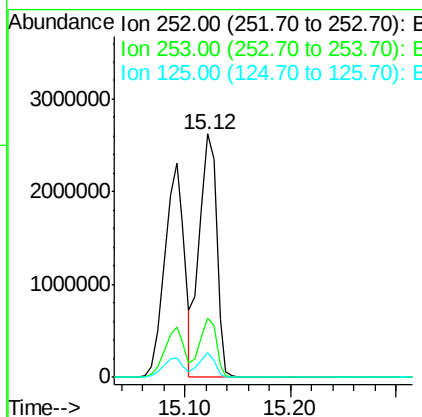
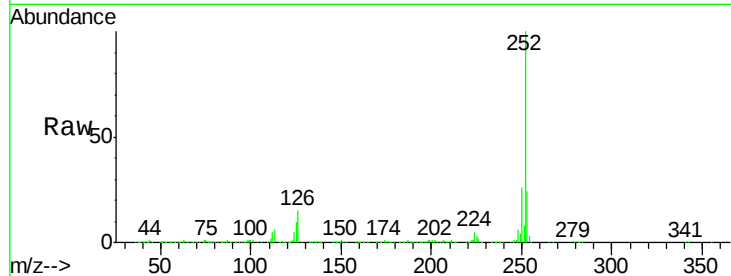
#89
Benzo(k)fluoranthene
Concen: 54.607 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.4
125	10.1	7.8	11.8

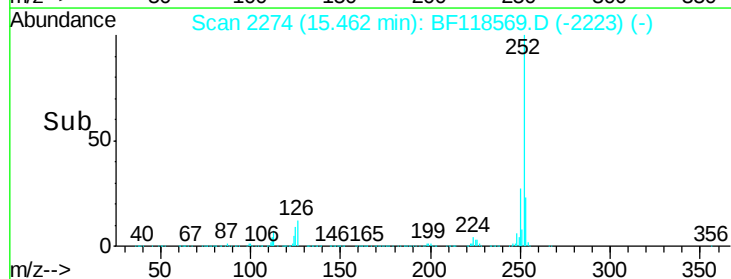
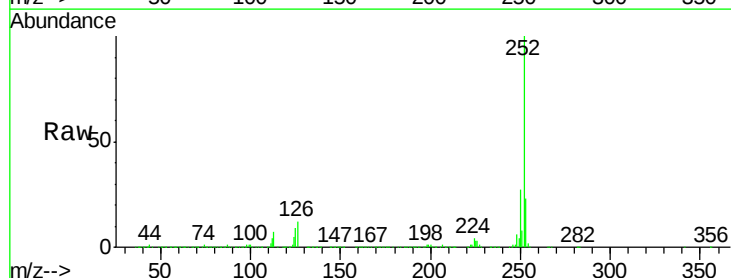
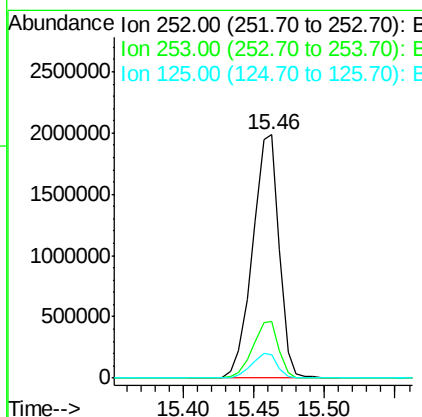
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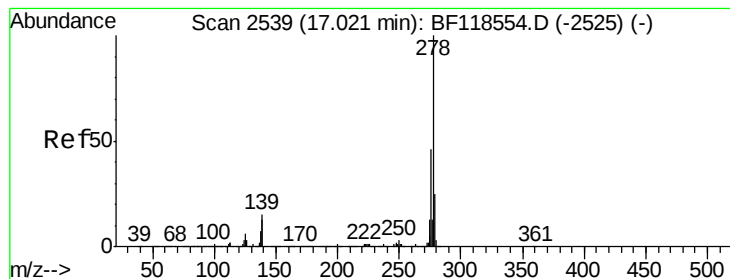
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#90
Benzo(a)pyrene
Concen: 50.393 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF118569.D
Acq: 17 Jan 2020 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	9.5	7.8	11.6





#91

Dibenzo(a,h)anthracene

Concen: 57.520 ng

RT: 17.02 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MSD

Tot Ion:278 Resp: 2810831

Ion Ratio Lower Upper

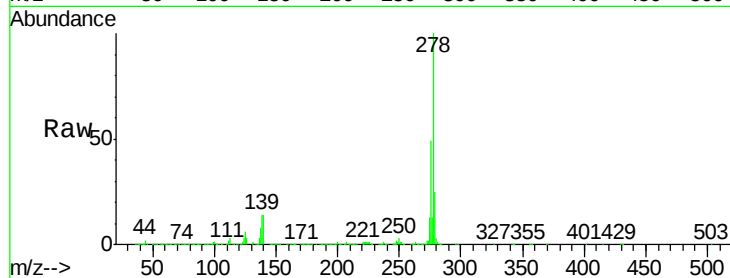
278 100

139 14.5 11.7 17.5

279 24.7 20.0 30.0

Manual Integrations
APPROVED

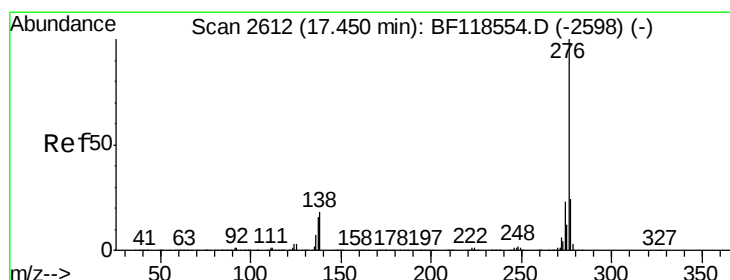
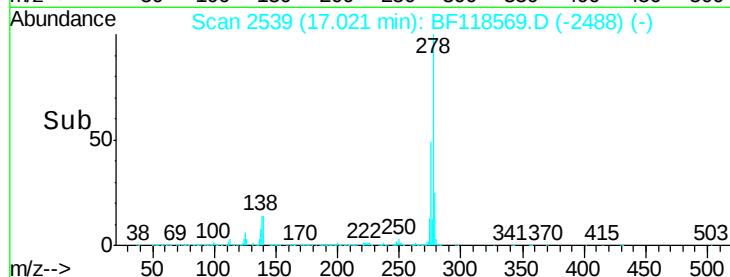
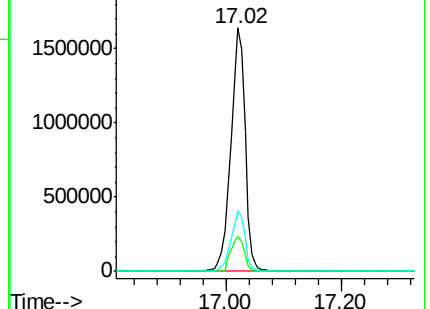
mohammad
1/21/2020 7:58:39 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 58.682 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.00 min

Lab File: BF118569.D

Acq: 17 Jan 2020 20:27

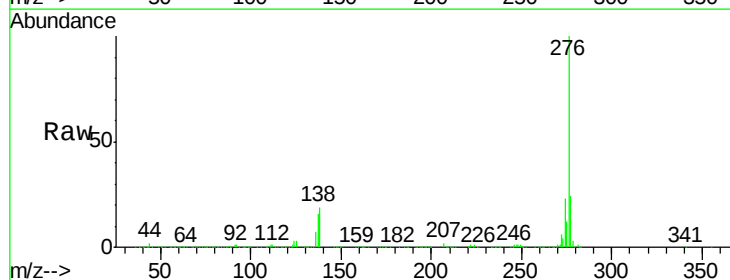
Tgt Ion:276 Resp: 2769964

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 19.1 14.7 22.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

