

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011720\
 Data File : BF118568.D
 Acq On : 17 Jan 2020 19:59
 Operator : JU
 Sample : L1005-05MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MS

Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:58:37 AM

Quant Time: Jan 18 01:34:56 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	347104	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1283489	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	715433	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1331768	20.00	ng	0.00
76) Chrysene-d12	14.05	240	1104596	20.00	ng	0.00
87) Perylene-d12	15.52	264	1087922	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	2678883	142.60	ng	0.02
7) Phenol-d6	6.52	99	3393556	137.87	ng	0.00
23) Nitrobenzene-d5	7.45	82	2197689	105.75	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	1252217	158.33	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	4095703	103.35	ng	0.00
79) Terphenyl-d14	13.00	244	5039362	90.10	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.85	88	406067	44.987	ng	# 83
3) Pyridine	3.56	79	676812	27.150	ng	100
4) n-Nitrosodimethylamine	3.48	42	544896	47.656	ng	99
6) Aniline	6.55	93	414295	12.859	ng	99
8) 2-Chlorophenol	6.68	128	1093671	51.190	ng	95
9) Benzaldehyde	6.43	77	175769	13.949	ng	97
10) Phenol	6.53	94	1250405	46.301	ng	96
11) bis(2-Chloroethyl)ether	6.63	93	1037837	47.981	ng	99
12) 1,3-Dichlorobenzene	6.83	146	1177574	46.349	ng	99
13) 1,4-Dichlorobenzene	6.91	146	1195680	46.846	ng	98
14) 1,2-Dichlorobenzene	7.06	146	1142073	47.825	ng	98
15) Benzyl Alcohol	7.03	79	991159	49.065	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	1403651	44.236	ng	99
17) 2-Methylphenol	7.13	107	899141	49.581	ng	99
18) Hexachloroethane	7.41	117	425631	45.760	ng	96
19) n-Nitroso-di-n-propylamine	7.30	70	836367	47.382	ng	99
20) 3+4-Methylphenols	7.29	107	1120417	51.664	ng	96
22) Acetophenone	7.30	105	1473446	47.307	ng	# 95
24) Nitrobenzene	7.47	77	1172722	53.065	ng	99
25) Isophorone	7.71	82	2136815	47.377	ng	99
26) 2-Nitrophenol	7.79	139	505933	52.325	ng	95
27) 2,4-Dimethylphenol	7.82	122	1012055	56.421	ng	100
28) bis(2-Chloroethoxy)methane	7.92	93	1306946	45.100	ng	99
29) 2,4-Dichlorophenol	8.03	162	968583	49.057	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	1056895	45.933	ng	99
31) Naphthalene	8.19	128	3023839	49.957	ng	99
32) Benzoic acid	7.93	122	569422	46.611	ng	98
33) 4-Chloroaniline	8.23	127	133595	4.750	ng	95
34) Hexachlorobutadiene	8.32	225	627453	43.719	ng	100
35) Caprolactam	8.60	113	269069m	43.806	ng	
36) 4-Chloro-3-methylphenol	8.72	107	978714	50.004	ng	99
37) 2-Methylnaphthalene	8.89	142	2150024	50.138	ng	99
38) 1-Methylnaphthalene	8.99	142	2037170	50.215	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	1070712	46.400	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011720\
 Data File : BF118568.D
 Acq On : 17 Jan 2020 19:59
 Operator : JU
 Sample : L1005-05MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MS

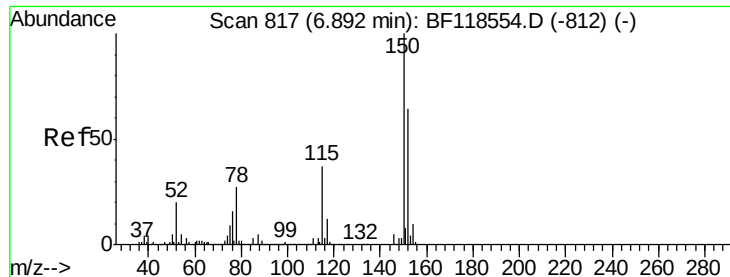
Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:58:37 AM

Quant Time: Jan 18 01:34:56 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)
41) Hexachlorocyclopentadiene	9.05	237	1330693	110.370	nq	97
43) 2,4,6-Trichlorophenol	9.16	196	740320	50.354	nq	99
44) 2,4,5-Trichlorophenol	9.20	196	791322	53.236	nq	98
46) 1,1'-Biphenyl	9.35	154	2569275	50.259	nq	99
47) 2-Chloronaphthalene	9.37	162	2062072	47.858	nq	98
48) 2-Nitroaniline	9.46	65	594322	53.033	nq	97
49) Acenaphthylene	9.79	152	3120081	51.286	nq	99
50) Dimethylphthalate	9.65	163	2380336	48.458	nq	99
51) 2,6-Dinitrotoluene	9.70	165	541613	57.789	nq	94
52) Acenaphthene	9.96	154	2141825	53.741	nq	98
53) 3-Nitroaniline	9.87	138	157170	14.803	nq	# 94
54) 2,4-Dinitrophenol	9.97	184	440056	106.084	nq	# 1
55) Dibenzofuran	10.13	168	2884863	51.150	nq	97
56) 4-Nitrophenol	10.03	139	960666	122.488	nq	97
57) 2,4-Dinitrotoluene	10.11	165	711845	56.614	nq	95
58) Fluorene	10.48	166	2275977	52.112	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.25	232	688870	54.171	nq	97
60) Diethylphthalate	10.35	149	2374314	49.511	nq	99
61) 4-Chlorophenyl-phenylether	10.47	204	1203161	50.356	nq	98
62) 4-Nitroaniline	10.49	138	461377	43.753	nq	98
63) Azobenzene	10.63	77	2353739	50.359	nq	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	319486	56.728	nq	89
66) n-Nitrosodiphenylamine	10.59	169	2034938	47.554	nq	100
67) 4-Bromophenyl-phenylether	10.96	248	811097	45.498	nq	# 94
68) Hexachlorobenzene	11.03	284	898159	45.464	nq	97
69) Atrazine	11.11	200	616360	49.913	nq	99
70) Pentachlorophenol	11.22	266	1073002	110.517	nq	99
71) Phenanthrene	11.44	178	3329506	49.738	nq	99
72) Anthracene	11.49	178	3401064	50.923	nq	100
73) Carbazole	11.64	167	3000332	49.811	nq	100
74) Di-n-butylphthalate	11.97	149	3527888	47.130	nq	99
75) Fluoranthene	12.63	202	3636672	50.517	nq	99
77) Benzidine	12.73	184	25525	0.951	nq	# 93
78) Pyrene	12.85	202	3661071	44.407	nq	99
80) Butylbenzylphthalate	13.47	149	1625460	45.995	nq	94
81) Benzo(a)anthracene	14.04	228	3326831	47.715	nq	99
82) 3,3'-Dichlorobenzidine	14.00	252	311386	12.729	nq	98
83) Chrysene	14.08	228	3232187	48.195	nq	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	2147552	48.959	nq	99
85) Di-n-octyl phthalate	14.64	149	3585907	53.385	nq	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	3515985	53.276	nq	100
88) Benzo(b)fluoranthene	15.09	252	3532994	49.861	nq	100
89) Benzo(k)fluoranthene	15.13	252	2920151	45.600	nq	98
90) Benzo(a)pyrene	15.46	252	2890553	46.883	nq	99
91) Dibenzo(a,h)anthracene	17.02	278	2927128	50.832	nq	100
92) Benzo(g,h,i)perylene	17.46	276	2919112	52.480	nq	99

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



#1

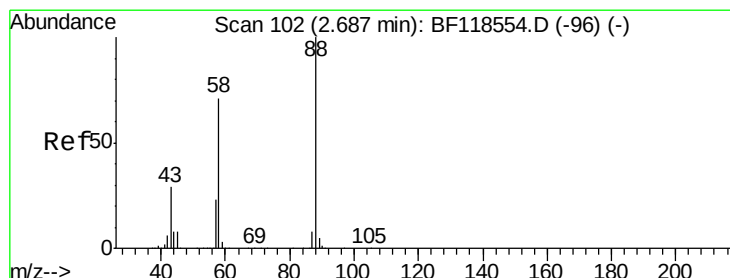
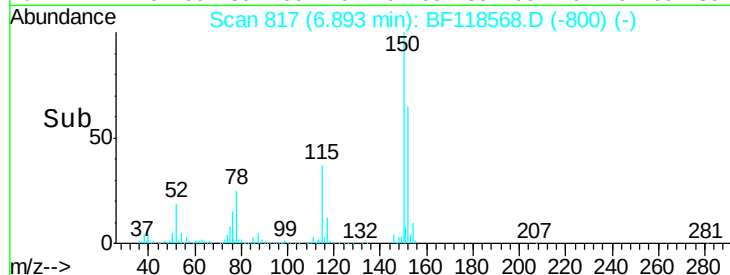
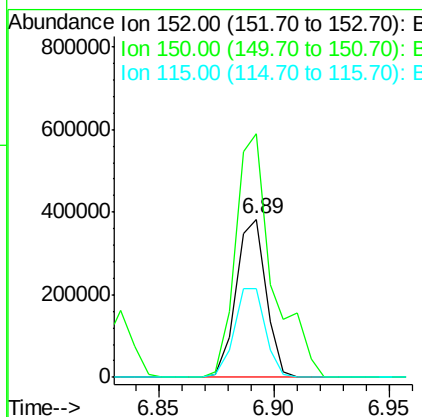
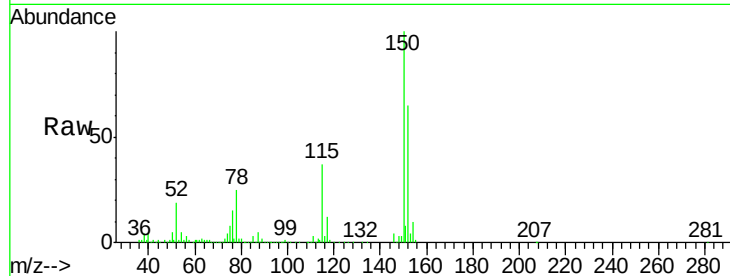
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.9	187.3
115	56.2	45.8	68.6

Manual Integrations
APPROVED

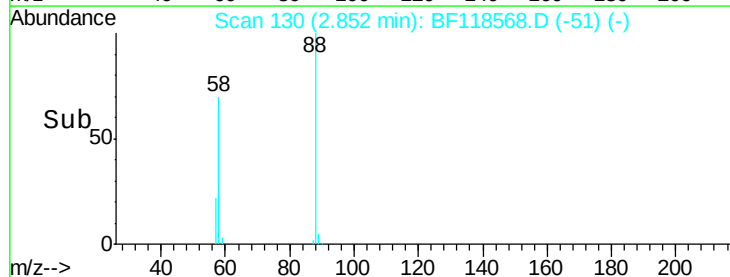
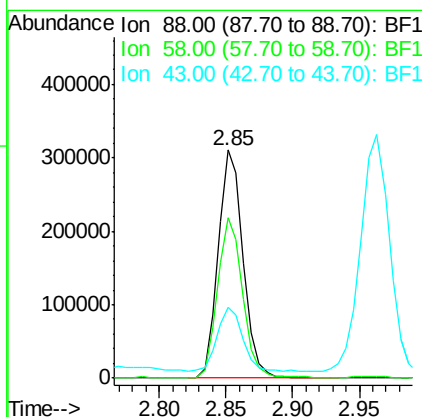
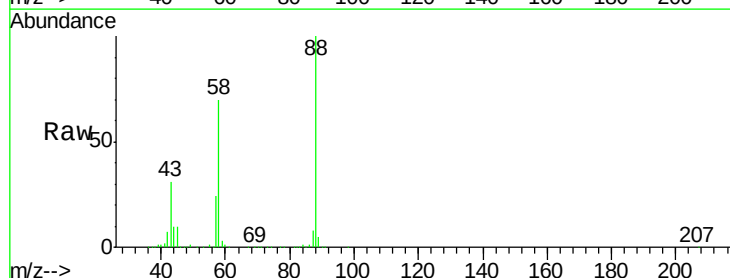
mohammad
1/21/2020 7:58:37 AM

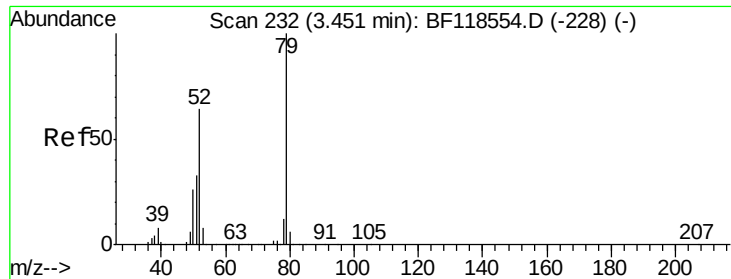


#2

1,4-Dioxane
Concen: 44.987 ng
RT: 2.85 min Scan# 130
Delta R.T. 0.16 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.8	56.7	85.1
43	0.0	23.3	34.9#





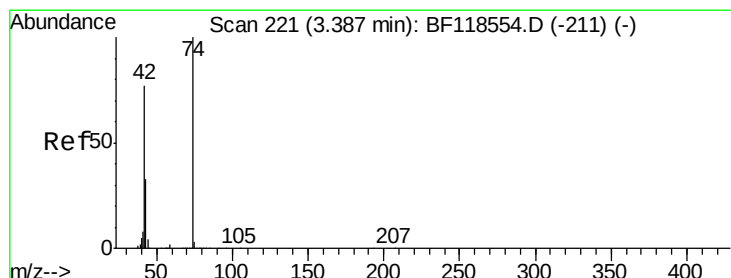
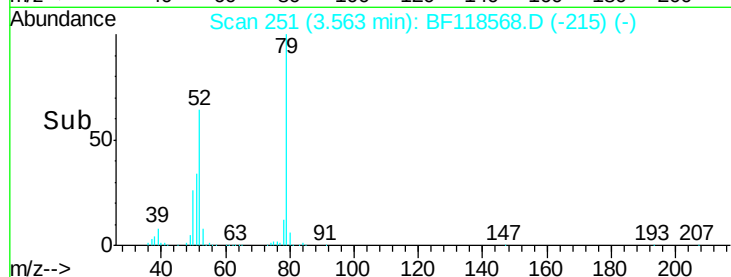
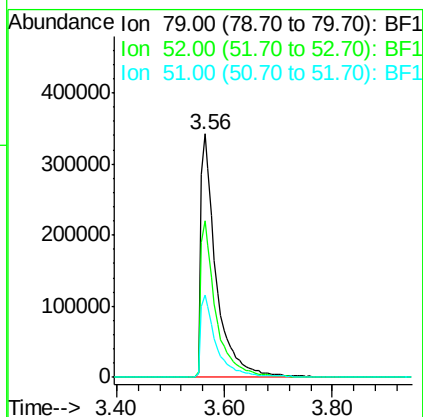
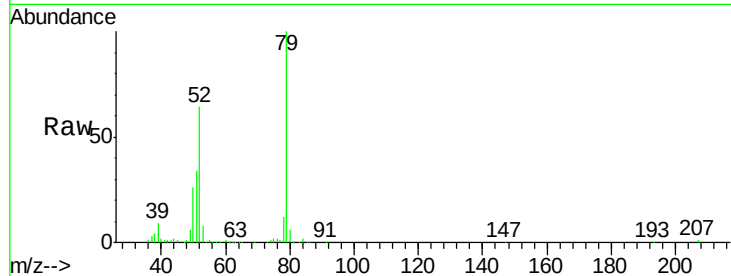
#3
 Pvridine
 Concen: 27.150 ng
 RT: 3.56 min Scan# 251
 Delta R.T. 0.11 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
79	100		
52	64.1	51.3	76.9
51	33.9	26.7	40.1

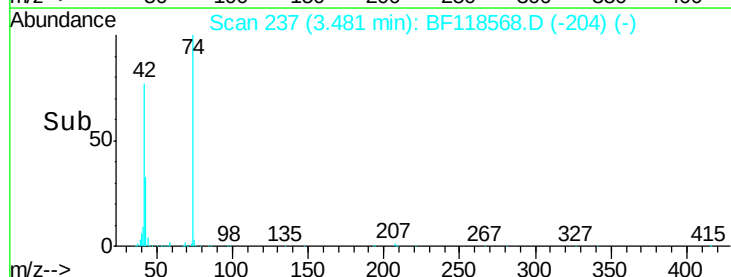
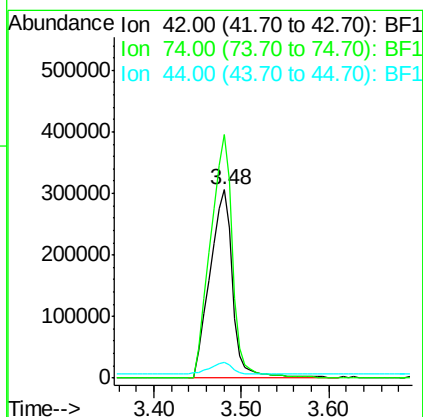
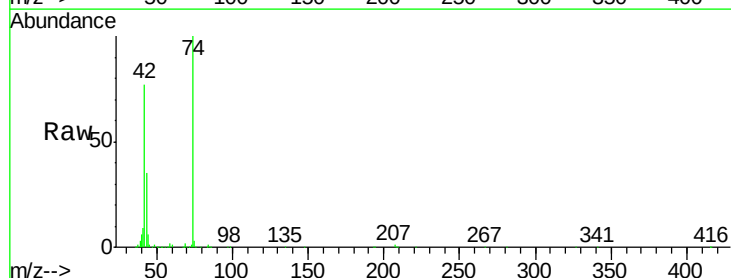
Manual Integrations
 APPROVED

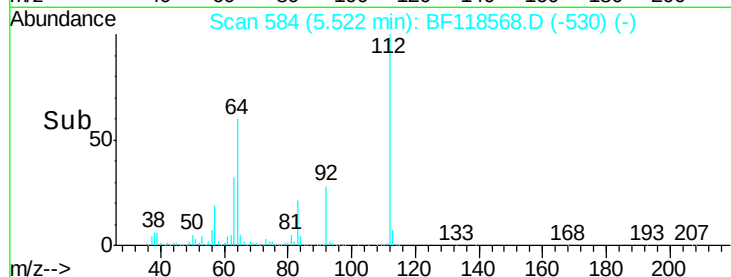
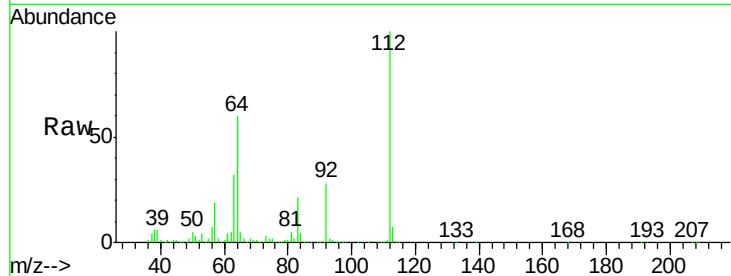
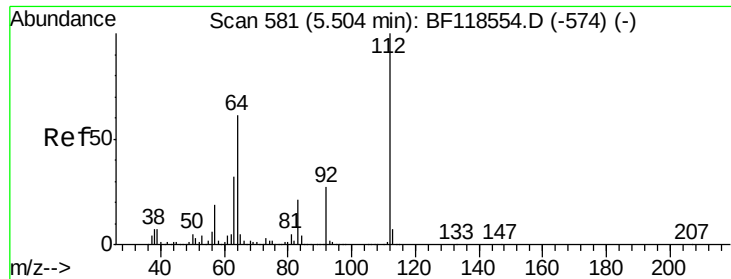
mohammad
 1/21/2020 7:58:37 AM



#4
 n-Nitrosodimethylamine
 Concen: 47.656 ng
 RT: 3.48 min Scan# 237
 Delta R.T. 0.09 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
42	100		
74	129.5	103.1	154.7
44	8.1	5.4	8.2





#5

2-Fluorophenol

Concen: 142.604 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.02 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tot Ion: 112 Resp: 2678883

Ion Ratio Lower Upper

112 100

64 60.0 49.1 73.7

63 32.5 25.8 38.8

Instrument :

BNA_F

ClientSampleId :

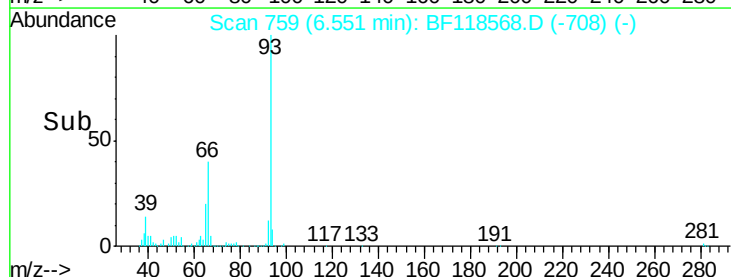
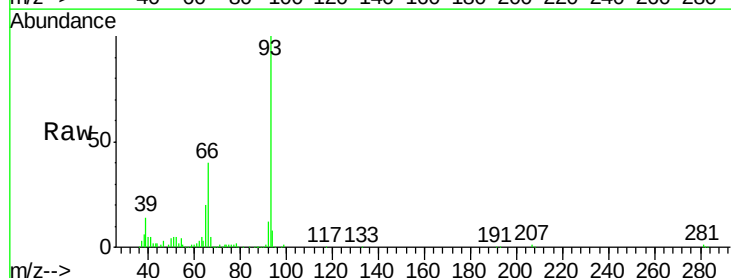
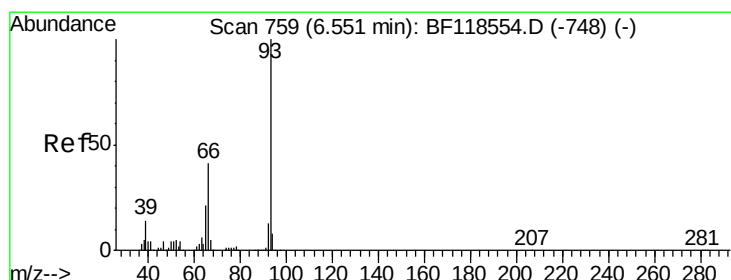
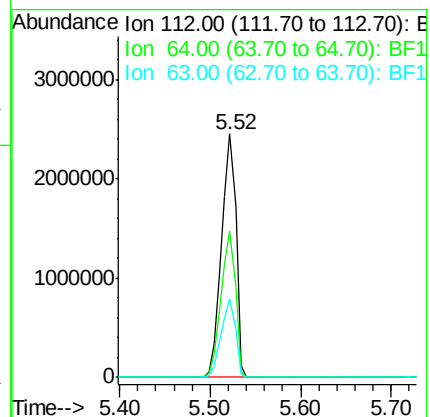
HR-05-011420MS

Manual Integrations

APPROVED

mohammad

1/21/2020 7:58:37 AM



#6

Aniline

Concen: 12.859 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

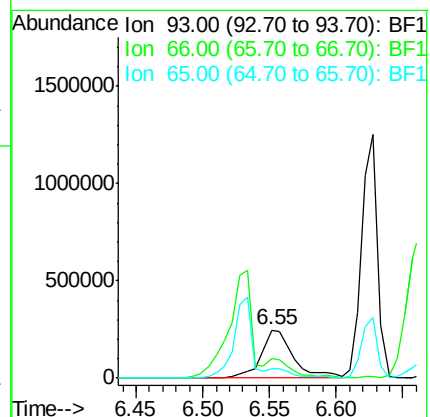
Tgt Ion: 93 Resp: 414295

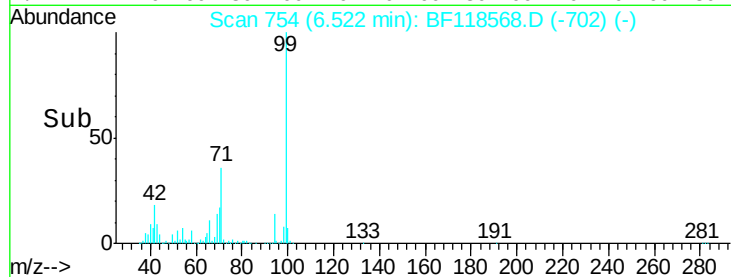
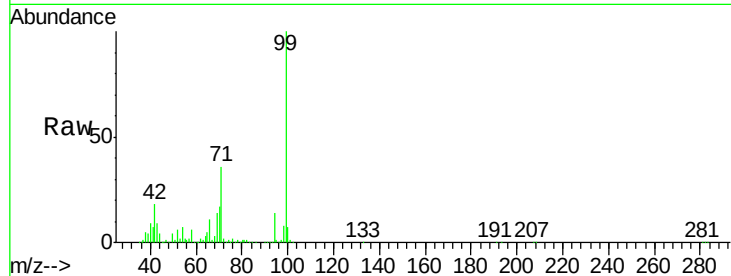
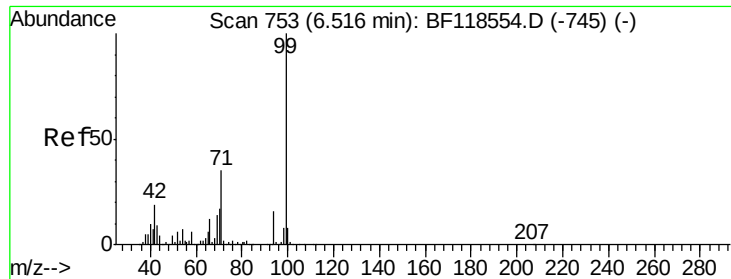
Ion Ratio Lower Upper

93 100

66 39.9 32.9 49.3

65 20.3 16.5 24.7





#7

Phenol-d6

Concen: 137.867 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tot Ion:	99	Resp:	3393556
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.9	22.3
71	35.8	28.3	42.5

Instrument :

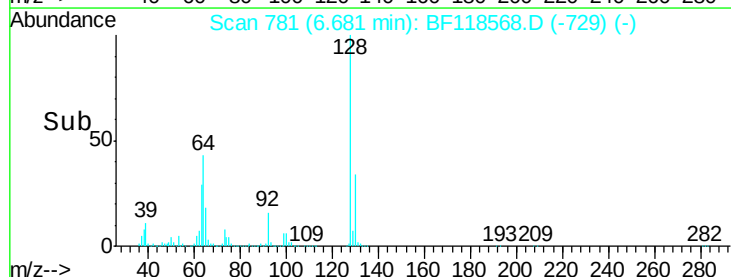
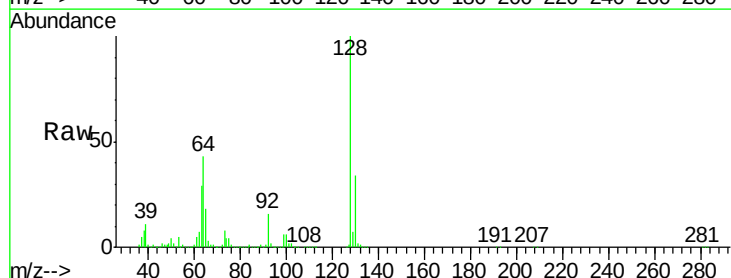
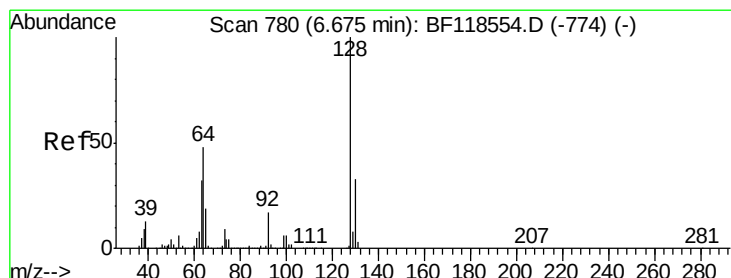
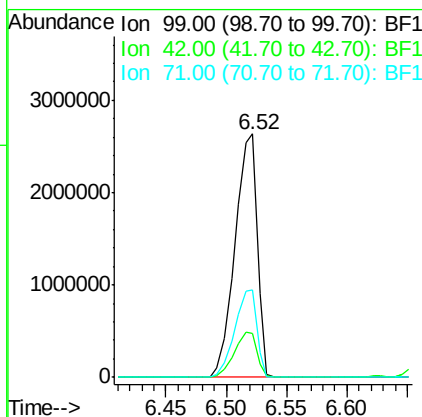
BNA_F

ClientSampleId :

HR-05-011420MS

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM



#8

2-Chlorophenol

Concen: 51.190 ng

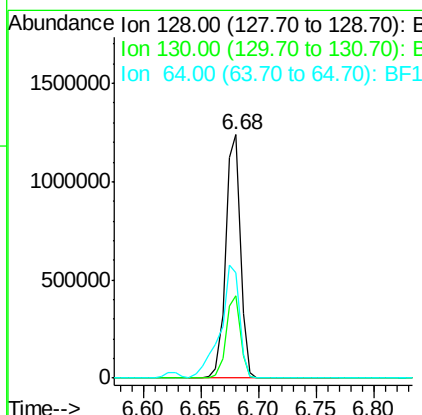
RT: 6.68 min Scan# 781

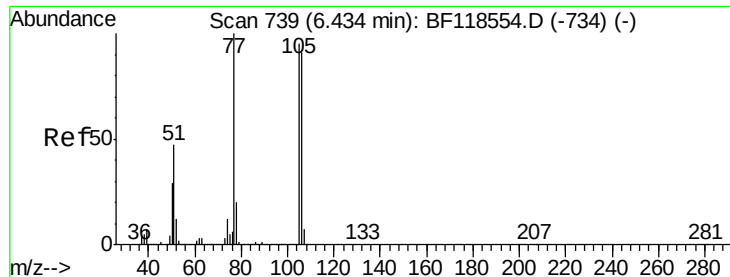
Delta R.T. 0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion:	128	Resp:	1093671
Ion	Ratio	Lower	Upper
128	100		
130	33.6	13.2	53.2
64	43.4	28.9	68.9





#9

Benzaldehyde

Concen: 13.949 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

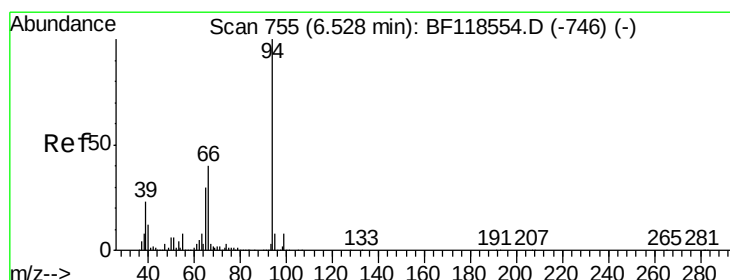
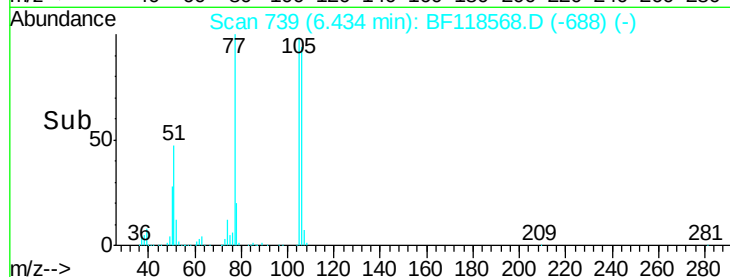
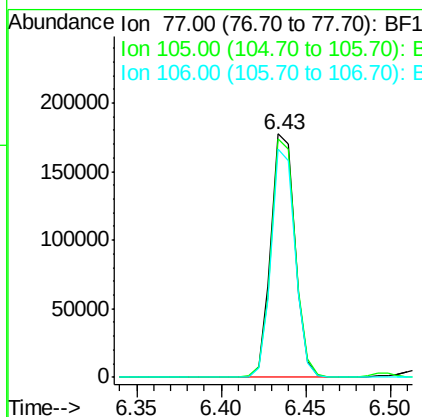
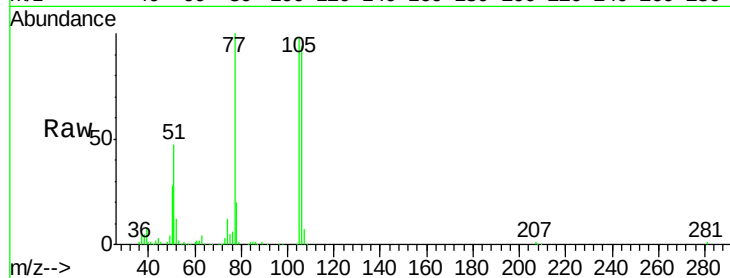
ClientSampleId :

HR-05-011420MS

Tot Ion:	77	Resp:	175769
Ion	Ratio	Lower	Upper
77	100		
105	98.1	75.2	115.2
106	93.8	71.4	111.4

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM



#10

Phenol

Concen: 46.301 ng

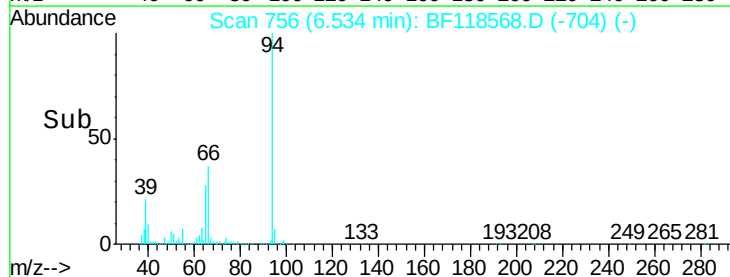
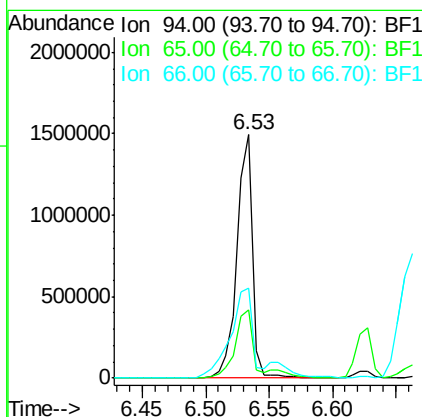
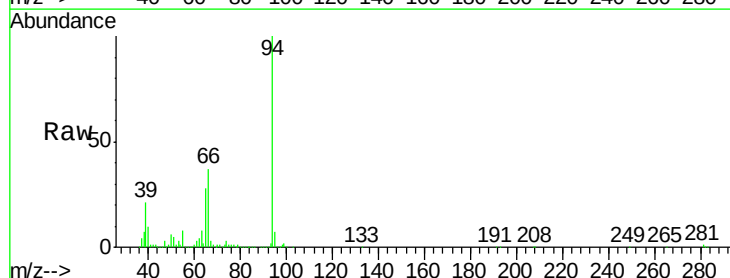
RT: 6.53 min Scan# 756

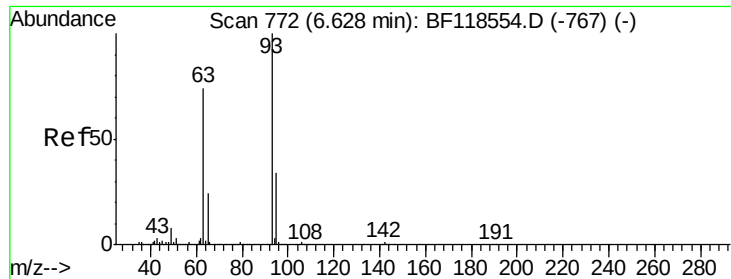
Delta R.T. 0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion:	94	Resp:	1250405
Ion	Ratio	Lower	Upper
94	100		
65	27.9	9.8	49.8
66	37.0	19.5	59.5





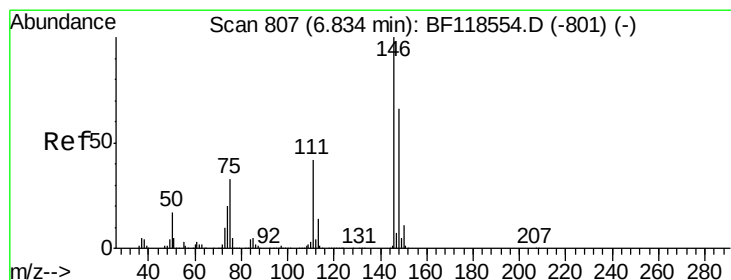
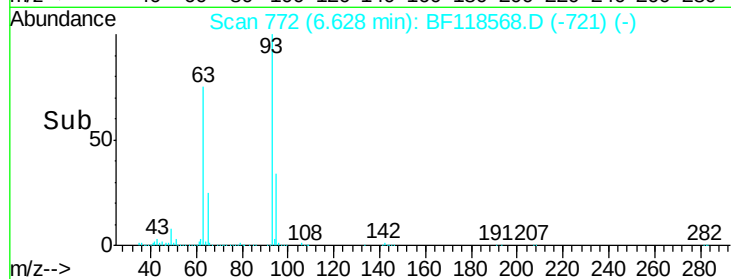
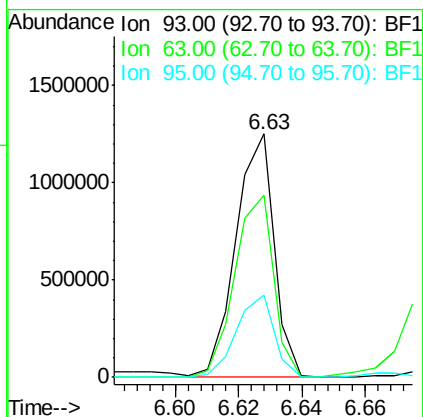
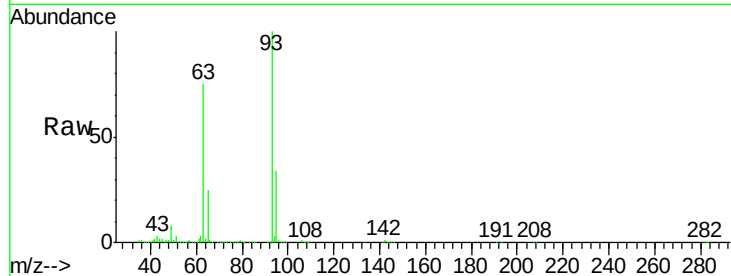
#11
bis(2-Chloroethyl)ether
Concen: 47.981 ng
RT: 6.63 min Scan# 772
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.9	54.0	94.0
95	33.6	13.5	53.5

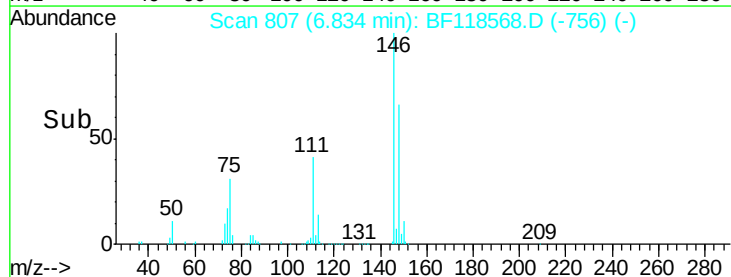
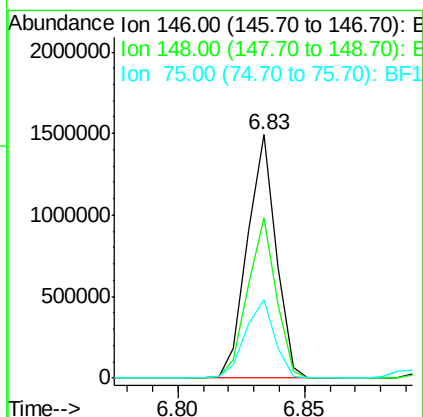
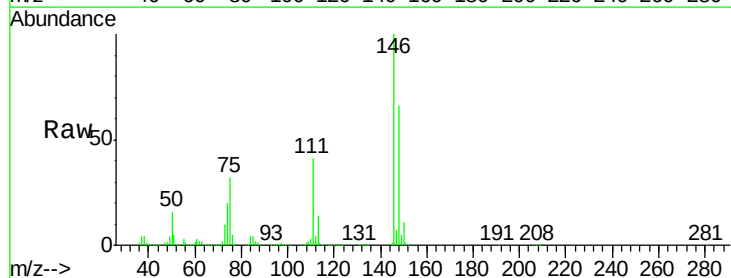
Manual Integrations
APPROVED

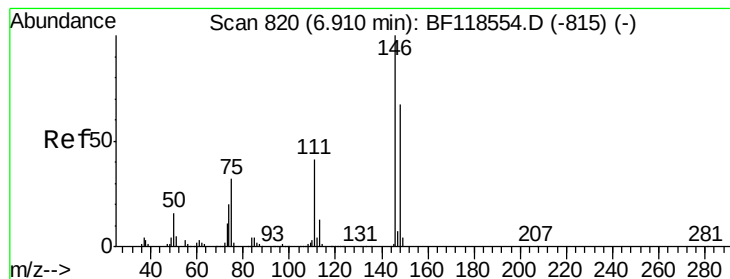
mohammad
1/21/2020 7:58:37 AM



#12
1,3-Dichlorobenzene
Concen: 46.349 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	53.0	79.6
75	32.0	26.5	39.7





#13

1,4-Dichlorobenzene

Concen: 46.846 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:146 Resp: 1195680

Ion Ratio Lower Upper

146 100

148 65.5 53.4 80.2

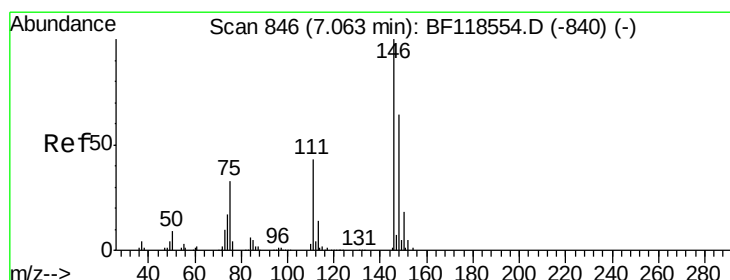
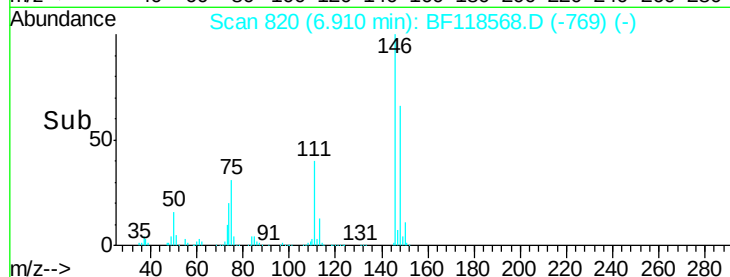
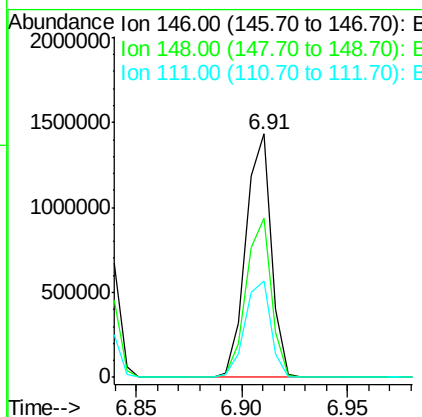
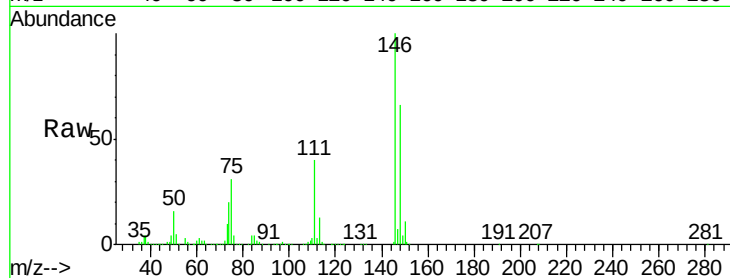
111 39.8 32.6 48.8

Manual Integrations

APPROVED

mohammad

1/21/2020 7:58:37 AM



#14

1,2-Dichlorobenzene

Concen: 47.825 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

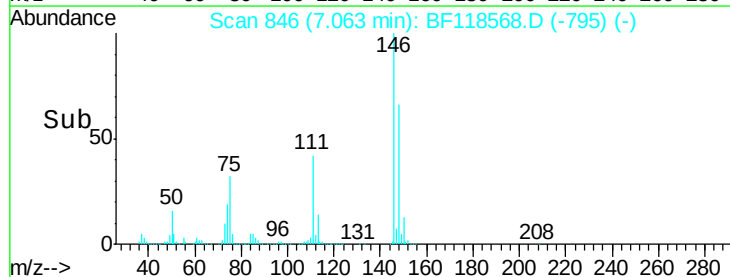
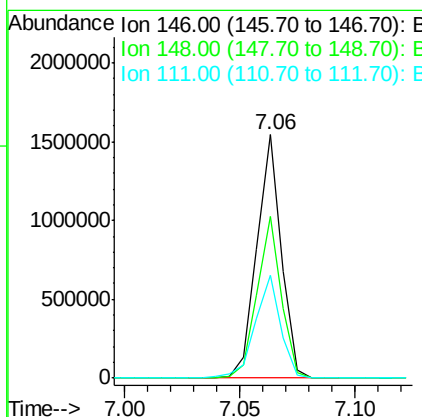
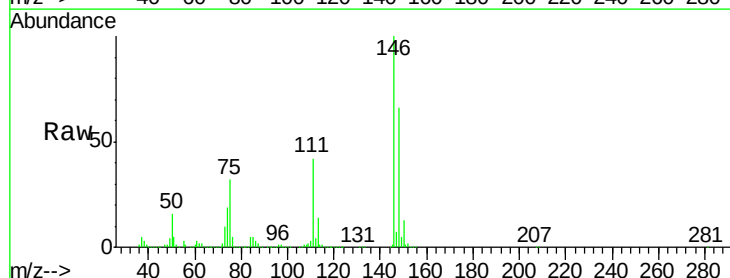
Tgt Ion:146 Resp: 1142073

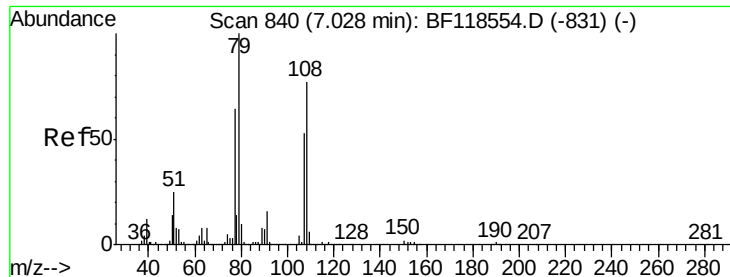
Ion Ratio Lower Upper

146 100

148 66.2 51.2 76.8

111 42.0 34.6 52.0





#15

Benzyl Alcohol

Concen: 49.065 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

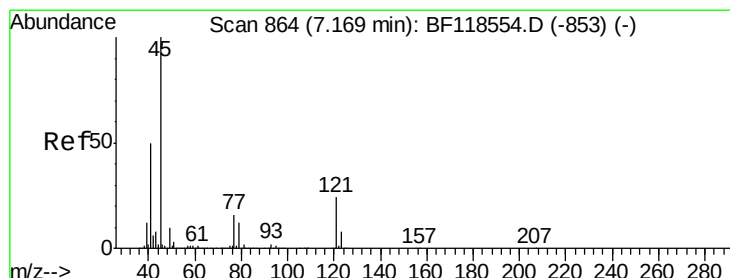
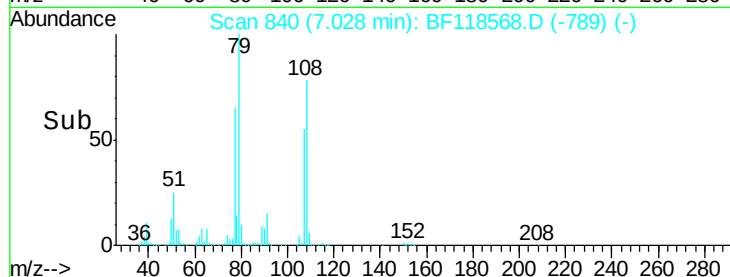
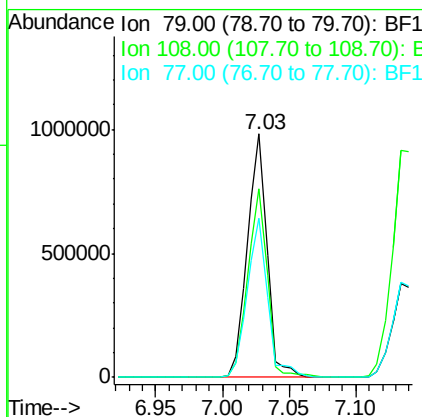
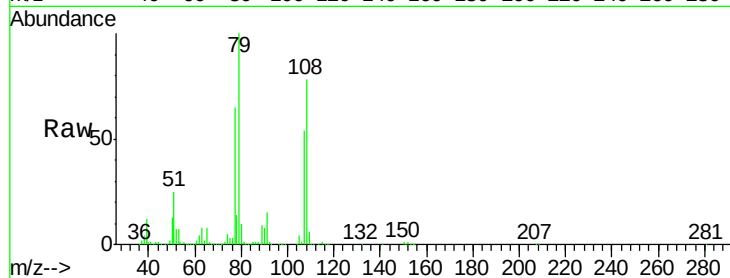
ClientSampleId :

HR-05-011420MS

Tot Ion:	79	Resp:	991159
Ion	Ratio	Lower	Upper
79	100		
108	77.6	61.9	92.9
77	65.1	51.5	77.3

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.236 ng

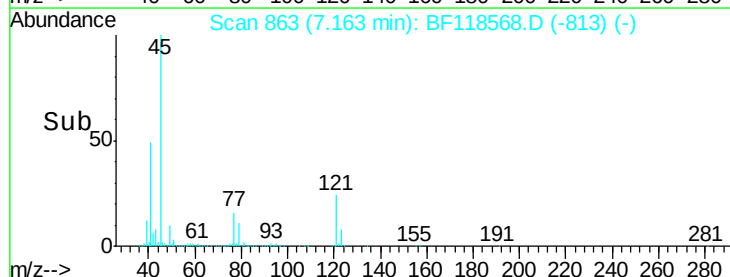
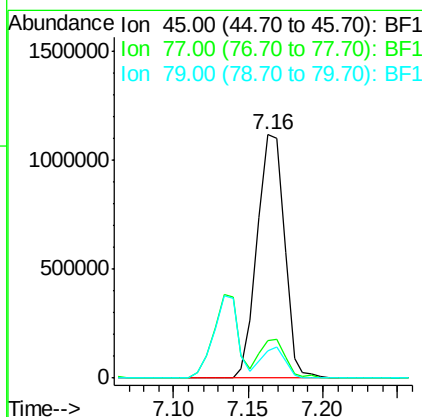
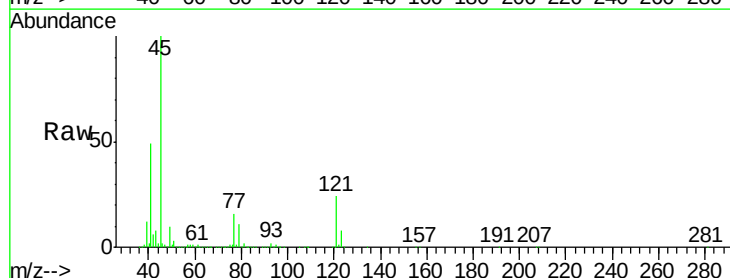
RT: 7.16 min Scan# 863

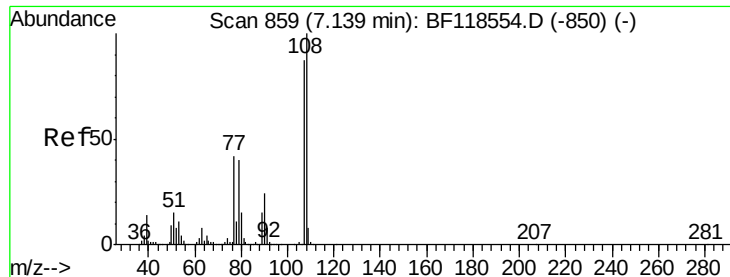
Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion:	45	Resp:	1403651
Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	35.8
79	11.4	0.0	32.2





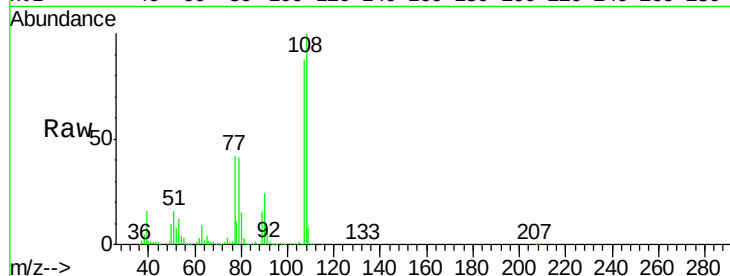
#17
2-Methylphenol
Concen: 49.581 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

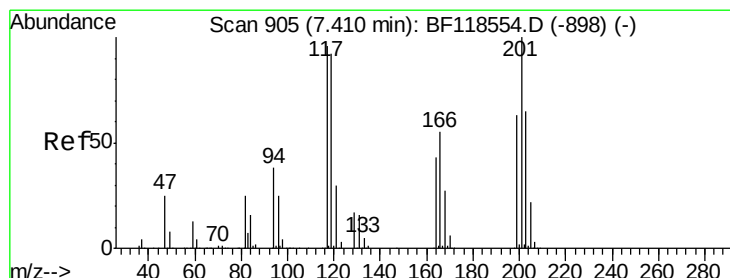
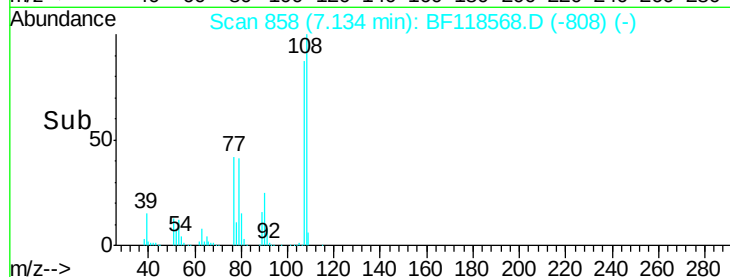
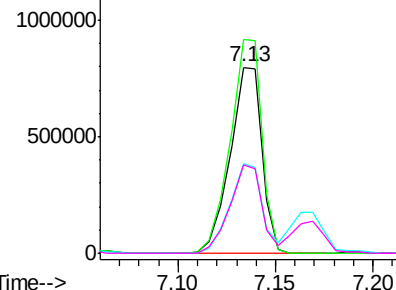
Tot Ion	Ratio	Resp	Lower	Upper
107	100	899141		
108	114.9	92.3	138.5	
77	48.3	38.6	57.8	
79	47.4	37.0	55.6	

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM

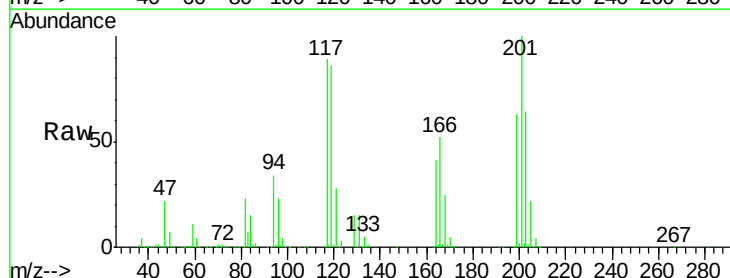


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

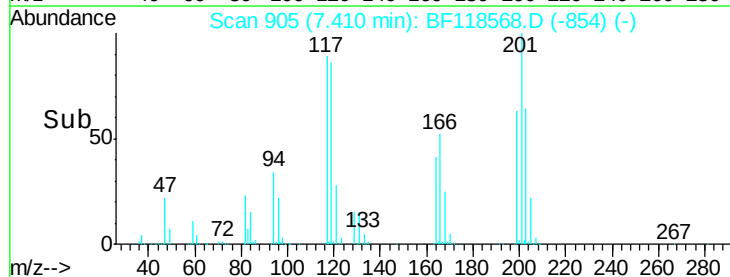
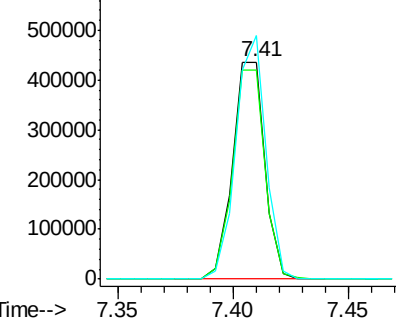


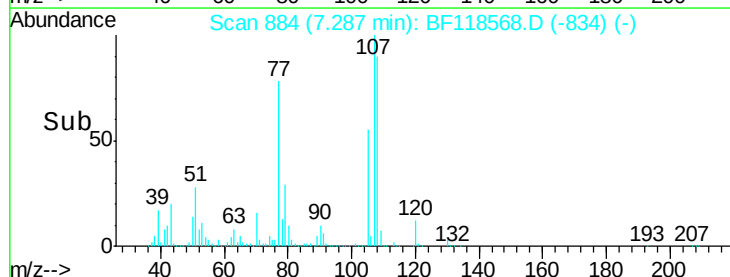
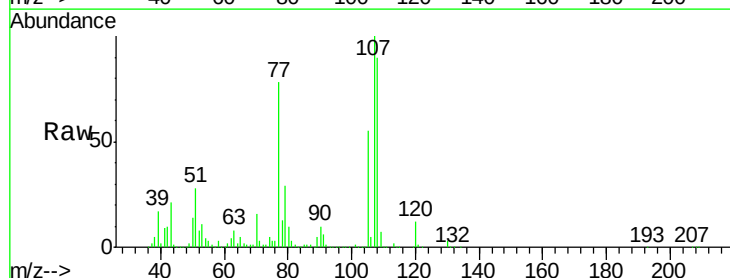
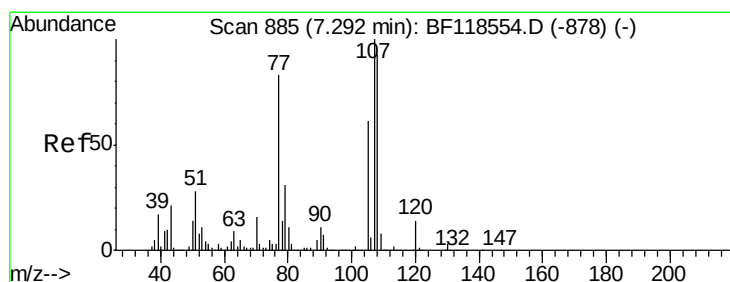
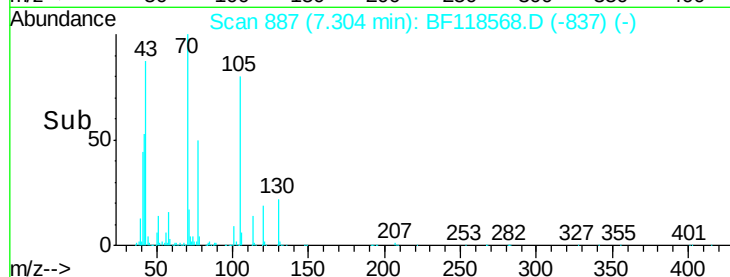
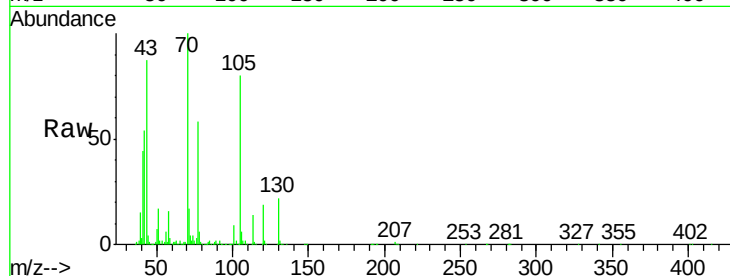
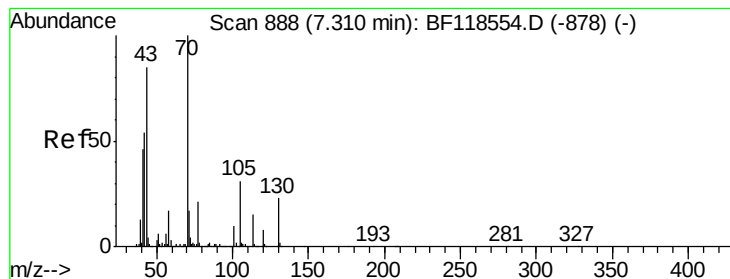
#18
Hexachloroethane
Concen: 45.760 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	425631		
119	96.3	76.9	115.3	
201	112.3	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: 47.382 ng

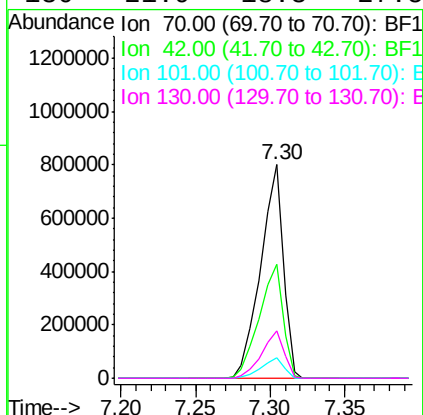
RT: 7.30 min Scan# 887

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	53.6	43.6	65.4		
101	9.5	7.7	11.5		
130	21.9	18.3	27.5		



Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM

#20

3+4-Methylphenols

Concen: 51.664 ng

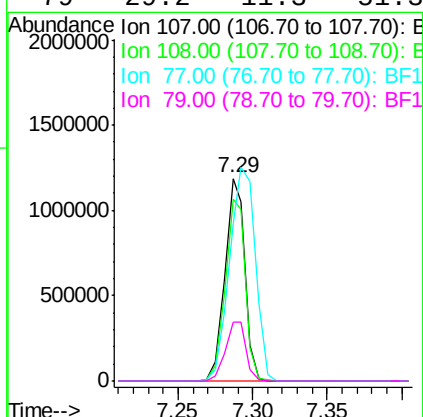
RT: 7.29 min Scan# 884

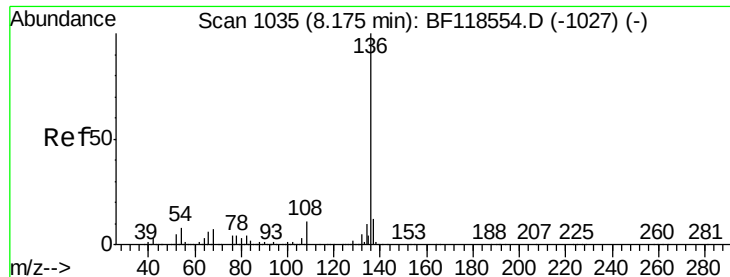
Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.7	72.6	112.6		
77	77.7	63.0	103.0		
79	29.2	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: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:136 Resp: 1283489

Ion Ratio Lower Upper

136 100

137 11.1 9.4 14.0

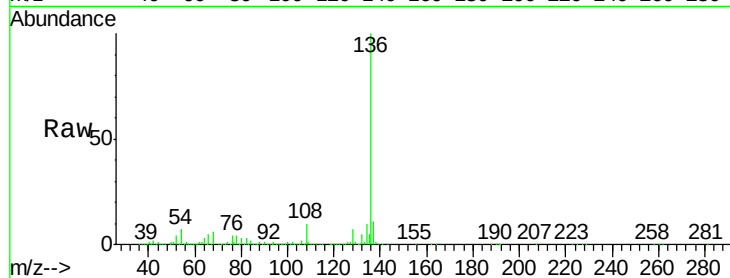
54 6.7 6.2 9.2

68 5.7 5.4 8.0

Manual Integrations
APPROVED

mohammad

1/21/2020 7:58:37 AM

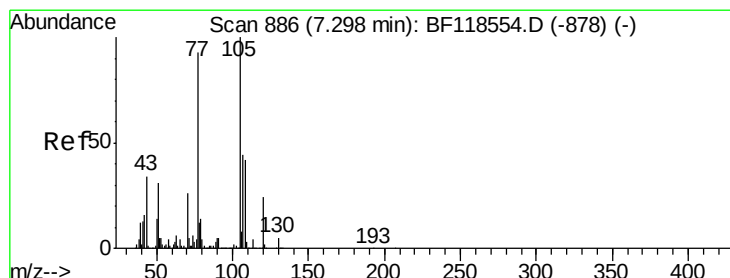
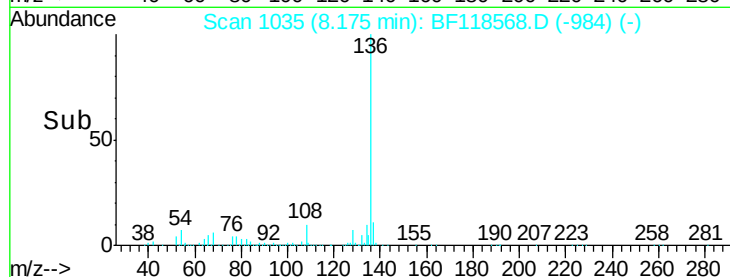
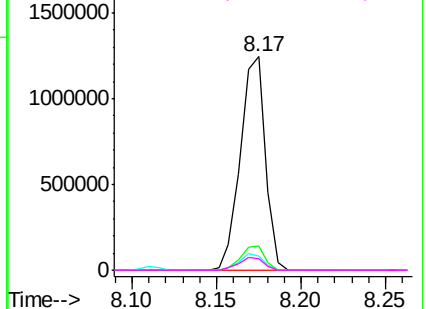


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 47.307 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion:105 Resp: 1473446

Ion Ratio Lower Upper

105 100

71 7.5 3.8 5.6#

51 26.4 24.9 37.3

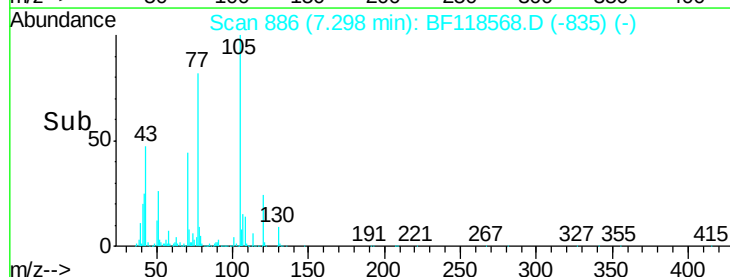
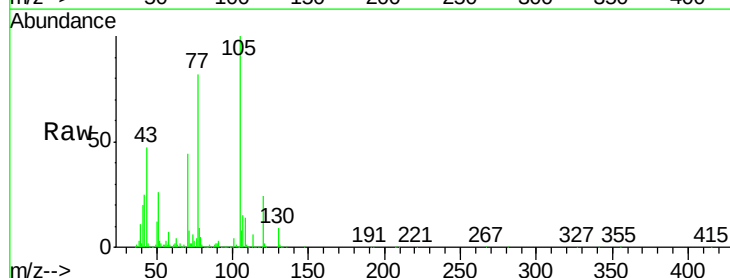
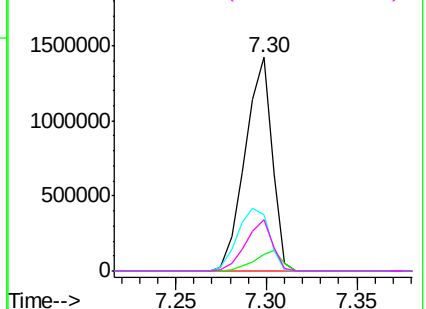
120 24.0 19.2 28.8

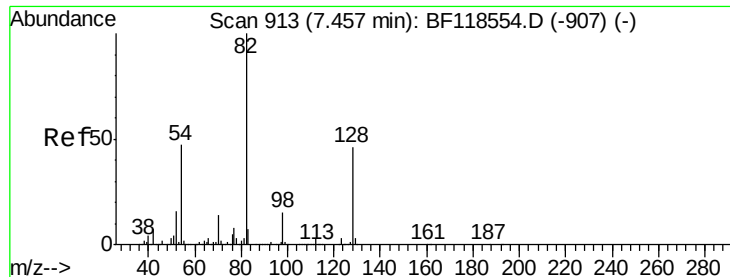
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23
 Nitrobenzene-d5
 Concen: 105.753 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

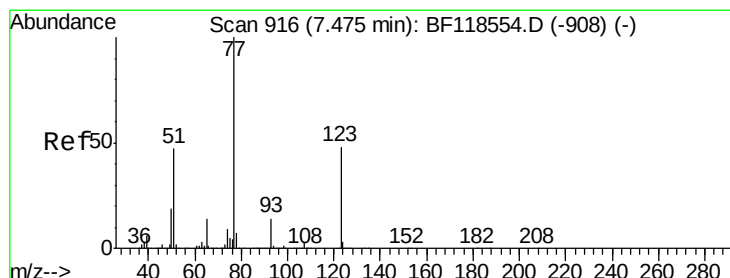
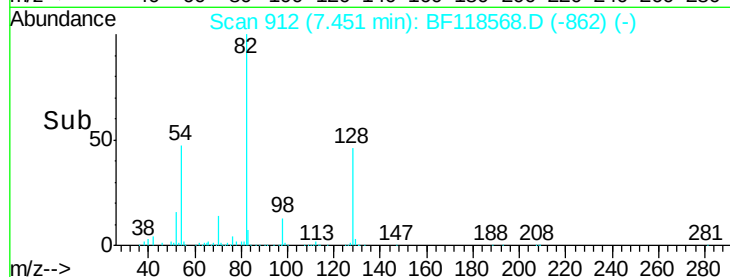
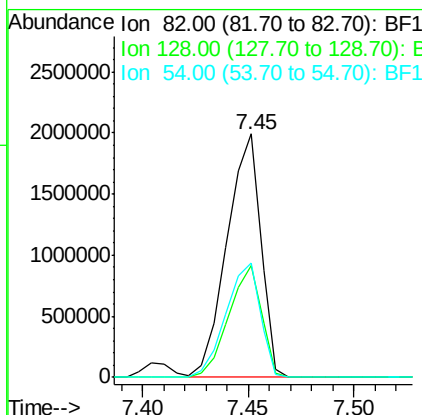
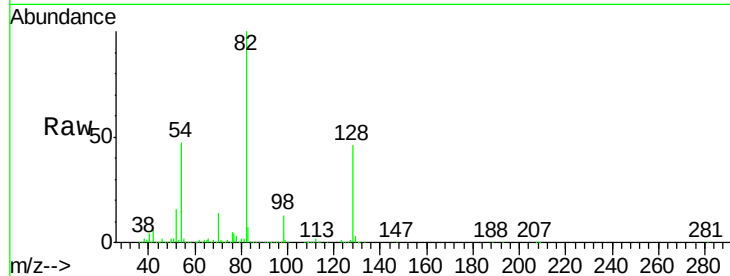
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MS

Tot Ion: 82 Resp: 2197689

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.0	55.4
54	47.0	37.4	56.0

Manual Integrations
 APPROVED

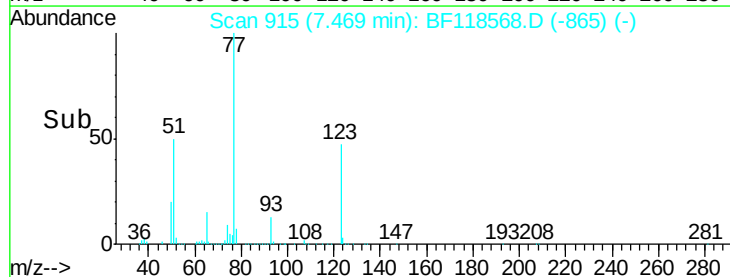
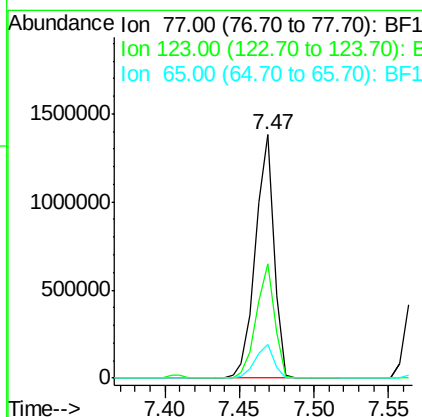
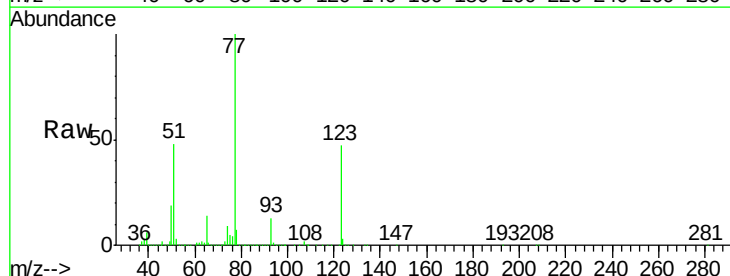
mohammad
 1/21/2020 7:58:37 AM

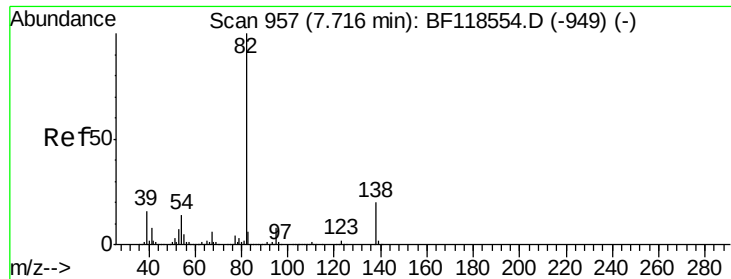


#24
 Nitrobenzene
 Concen: 53.065 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Tgt Ion: 77 Resp: 1172722

Ion	Ratio	Lower	Upper
77	100		
123	47.2	38.2	57.2
65	13.7	11.1	16.7





#25

Isophorone

Concen: 47.377 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion: 82 Resp: 2136815

Ion Ratio Lower Upper

82 100

95 7.4 6.0 9.0

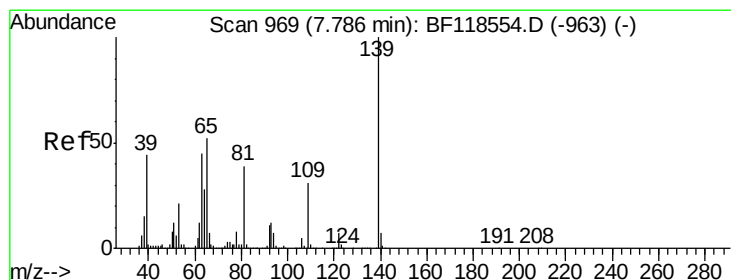
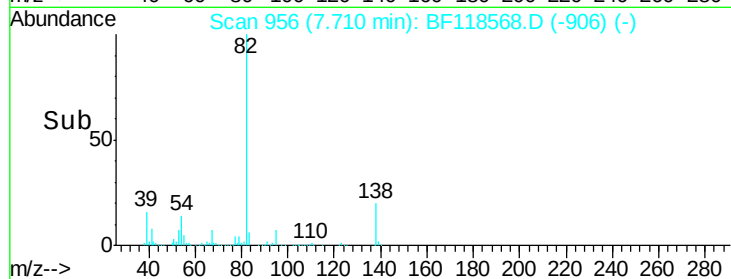
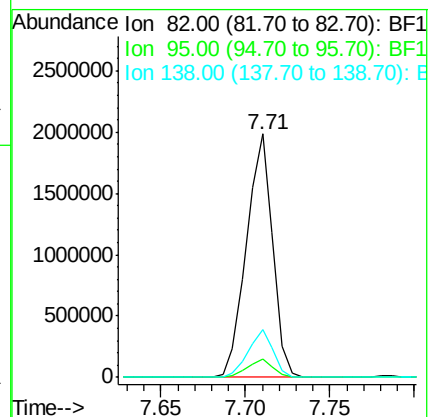
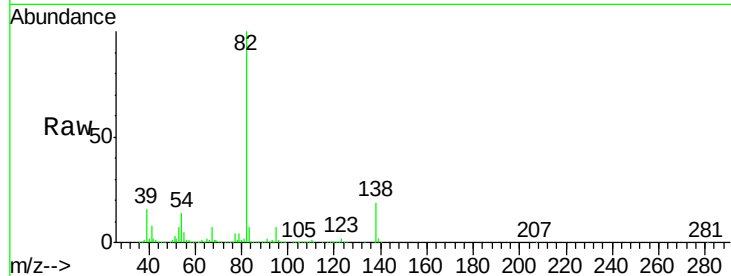
138 19.4 15.8 23.8

Manual Integrations

APPROVED

mohammad

1/21/2020 7:58:37 AM



#26

2-Nitrophenol

Concen: 52.325 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

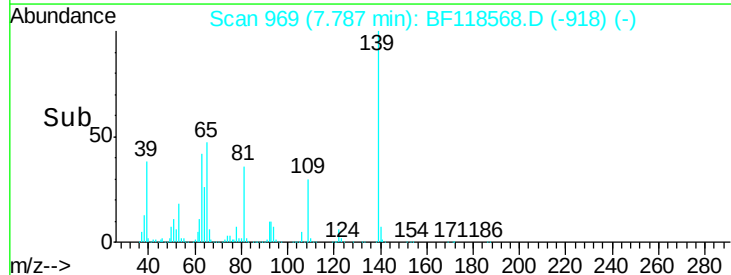
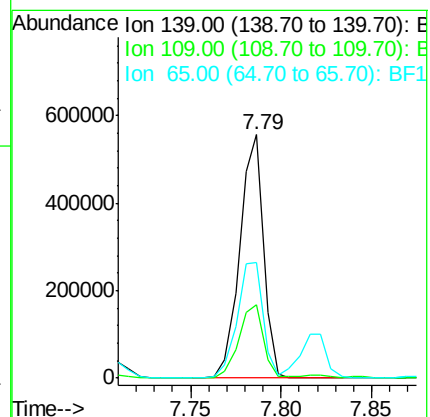
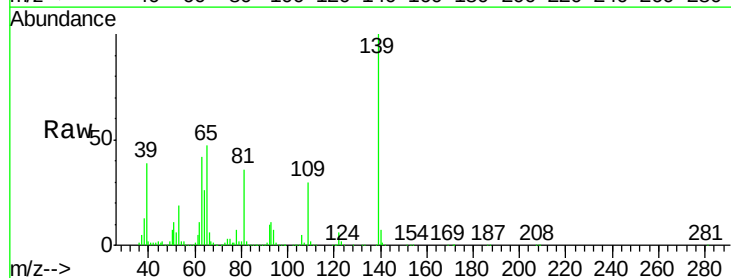
Tgt Ion:139 Resp: 505933

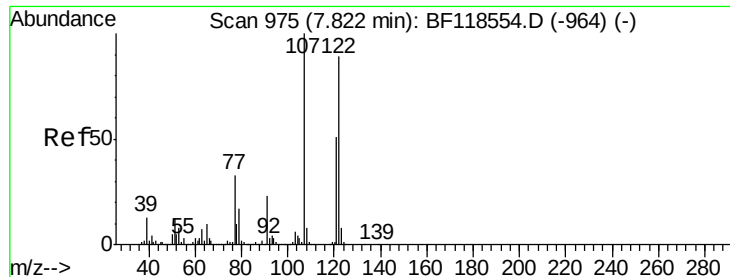
Ion Ratio Lower Upper

139 100

109 29.9 24.6 36.8

65 47.4 42.1 63.1





#27

2,4-Dimethylphenol

Concen: 56.421 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

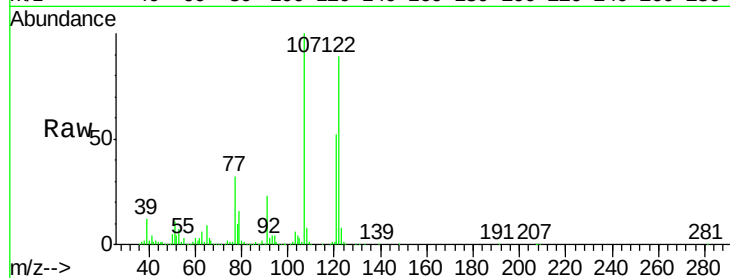
ClientSampled :

HR-05-011420MS

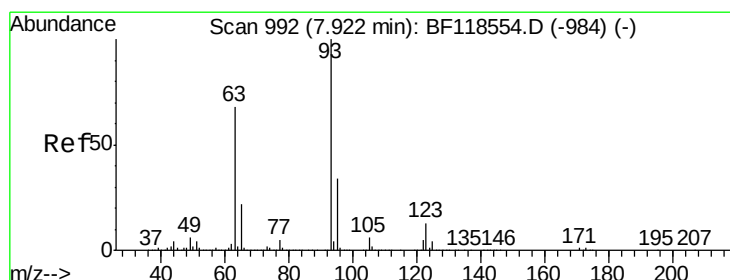
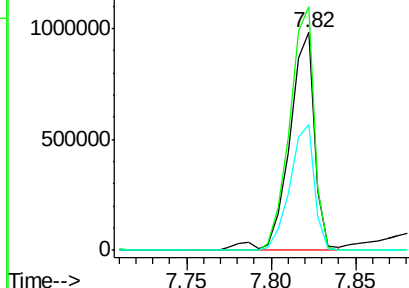
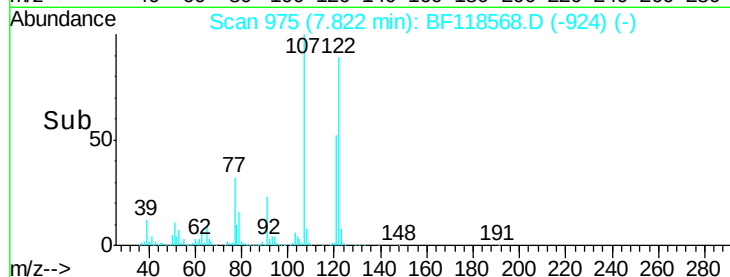
Tot Ion:	122	Resp:	1012055
Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.6	134.4
121	57.8	45.9	68.9

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 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: 45.100 ng

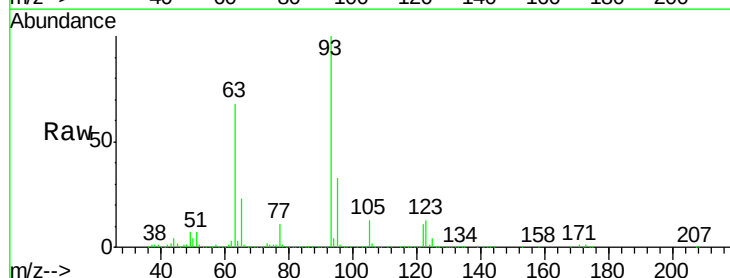
RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

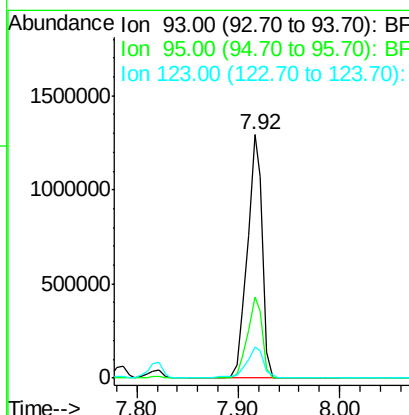
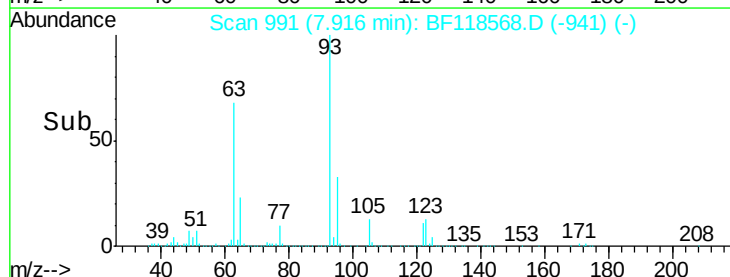
Lab File: BF118568.D

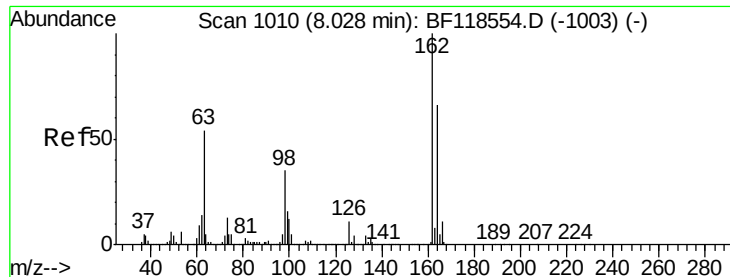
Acq: 17 Jan 2020 19:59

Tgt Ion:	93	Resp:	1306946
Ion	Ratio	Lower	Upper
93	100		
95	33.3	27.3	40.9
123	13.0	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





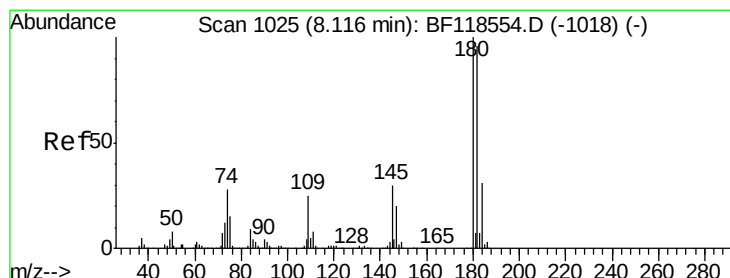
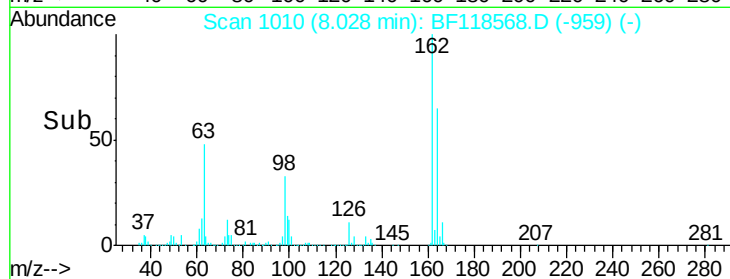
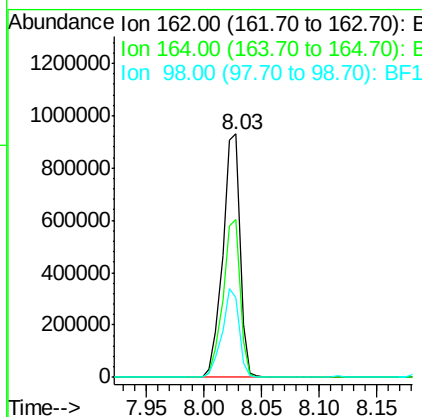
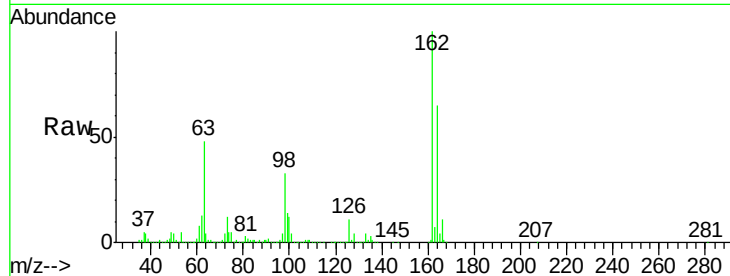
#29
2,4-Dichlorophenol
Concen: 49.057 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	968583		
164	64.9	45.6	85.6	
98	32.7	15.4	55.4	

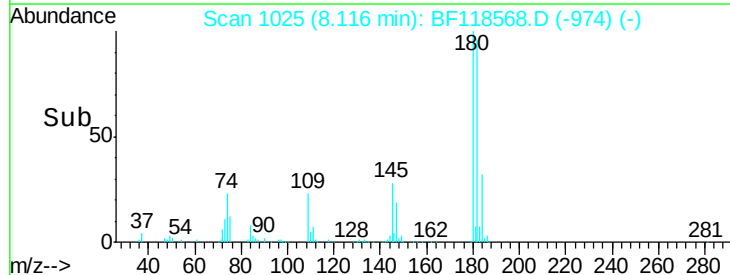
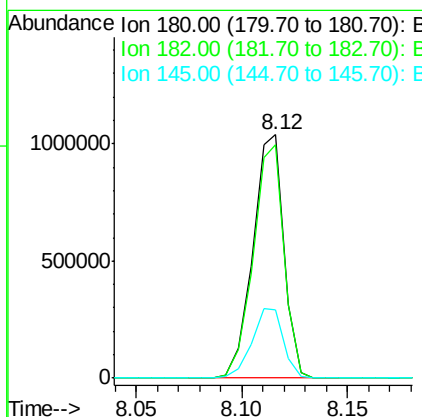
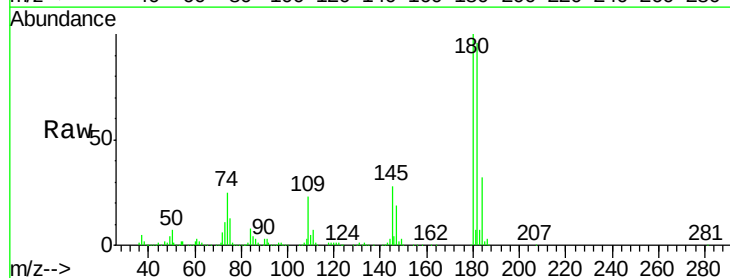
Manual Integrations
APPROVED

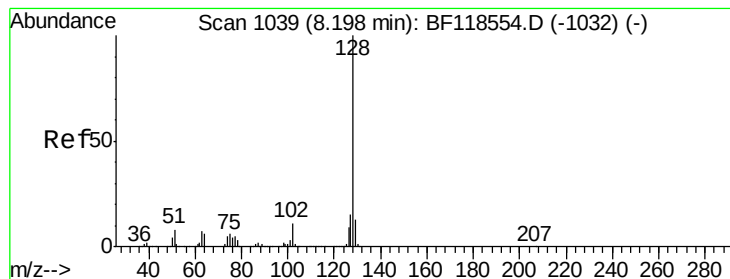
mohammad
1/21/2020 7:58:37 AM



#30
1,2,4-Trichlorobenzene
Concen: 45.933 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1056895		
182	95.8	76.8	115.2	
145	28.2	24.2	36.2	





#31

Naphthalene

Concen: 49.957 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:128 Resp: 3023839

Ion Ratio Lower Upper

128 100

129 12.4 10.3 15.5

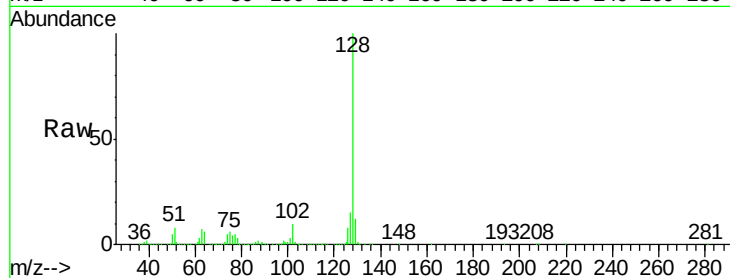
127 14.7 12.1 18.1

Manual Integrations

APPROVED

mohammad

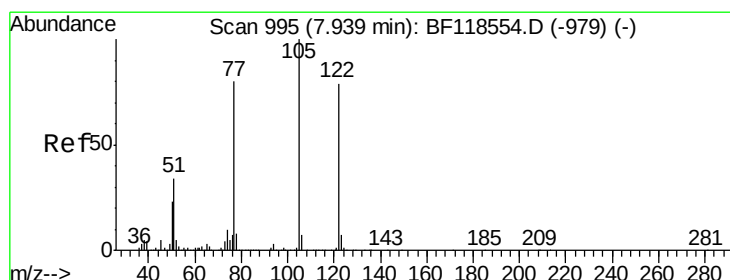
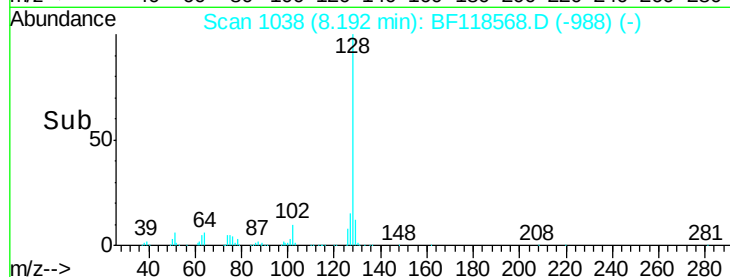
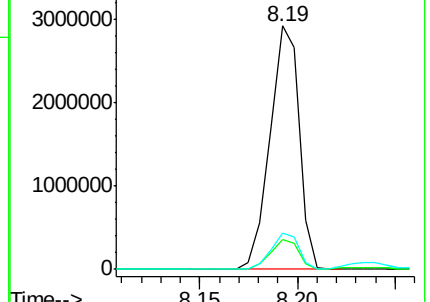
1/21/2020 7:58:37 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.611 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

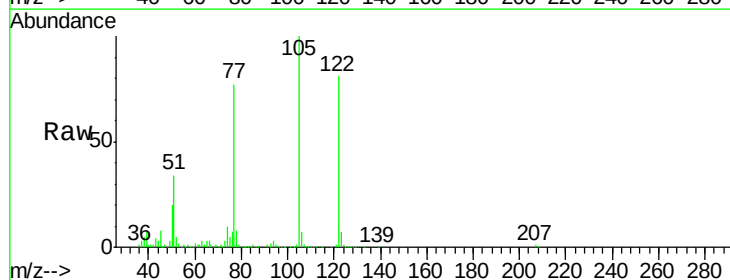
Tgt Ion:122 Resp: 569422

Ion Ratio Lower Upper

122 100

105 124.1 105.0 145.0

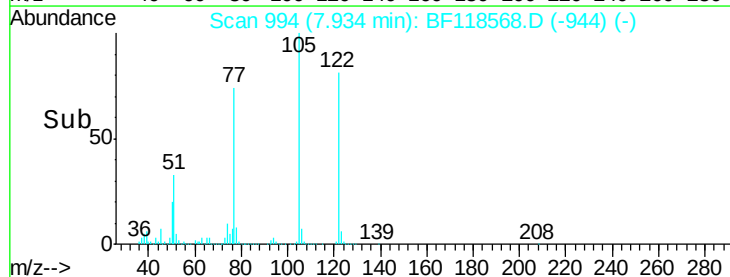
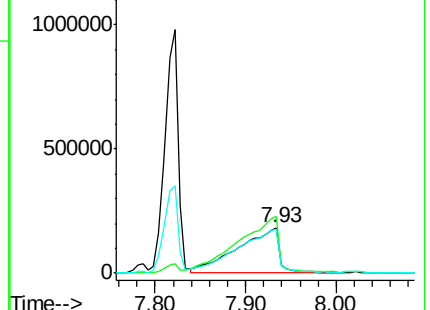
77 96.1 80.7 120.7

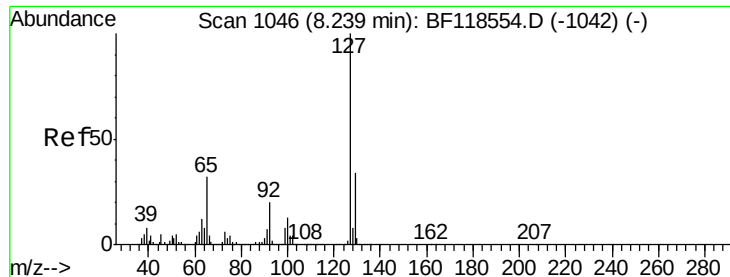


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





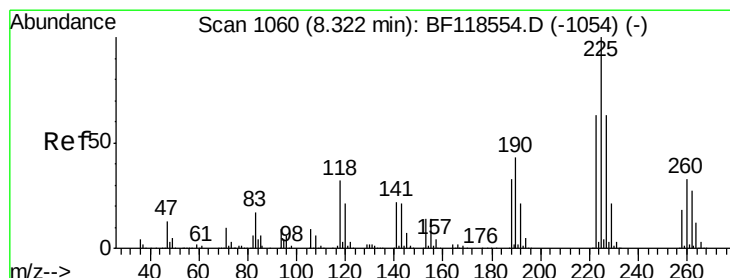
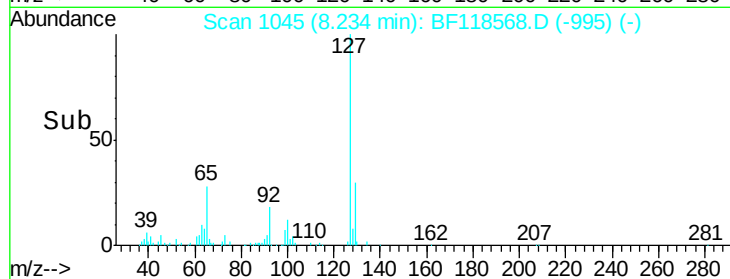
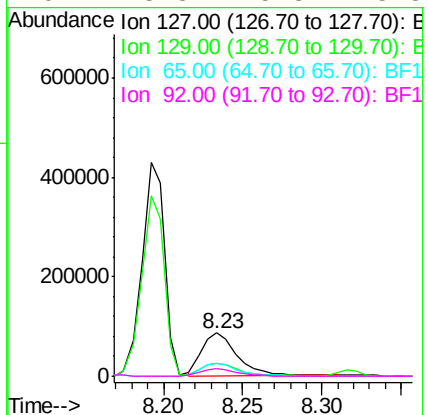
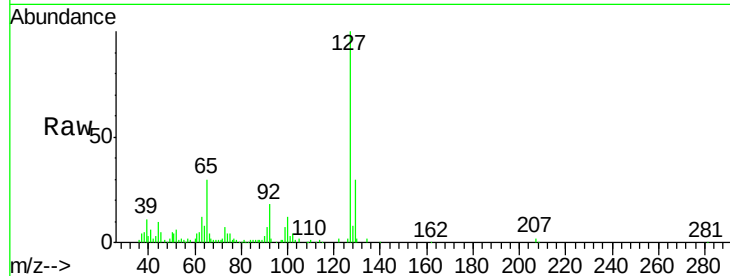
#33
4-Chloroaniline
Concen: 4.750 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.0	27.0	40.4		
65	30.1	25.8	38.8		
92	18.3	15.8	23.8		

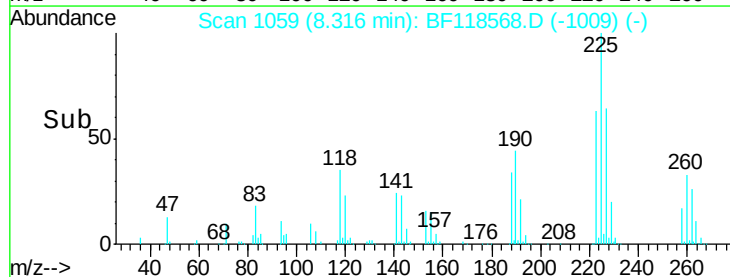
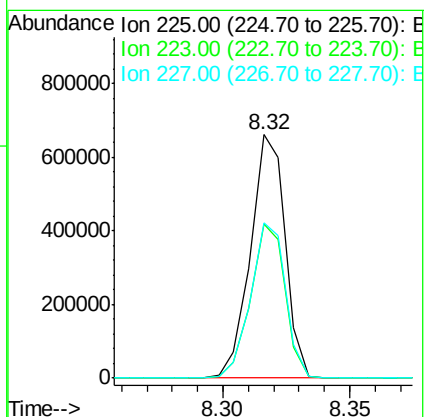
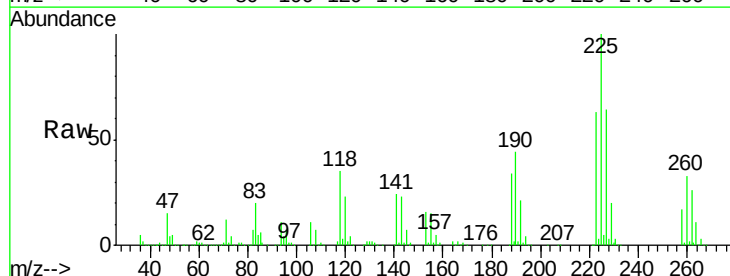
Manual Integrations
APPROVED

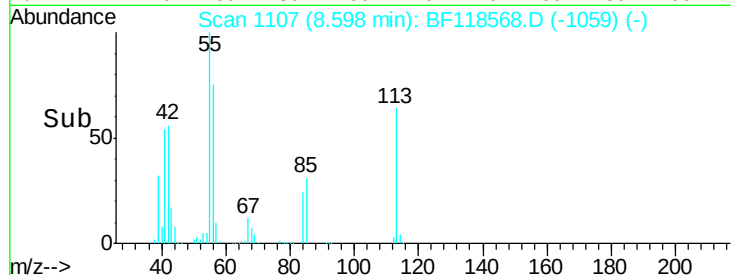
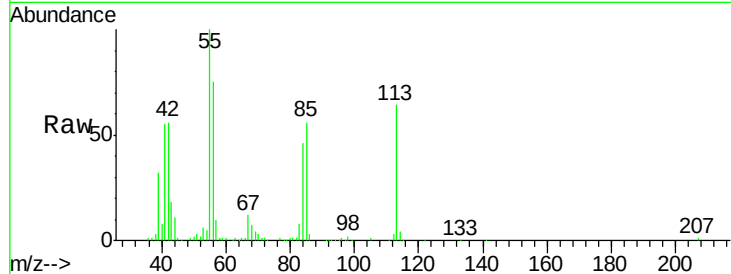
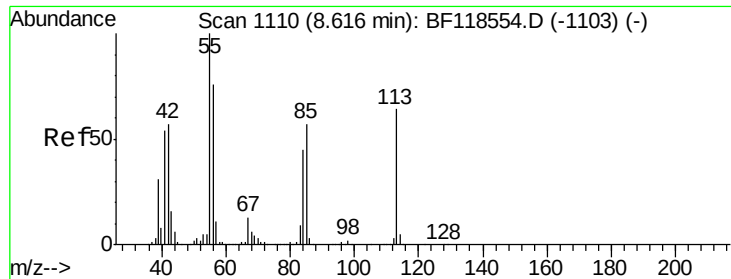
mohammad
1/21/2020 7:58:37 AM



#34
Hexachlorobutadiene
Concen: 43.719 ng
RT: 8.32 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.5	50.6	76.0		
227	63.6	50.4	75.6		





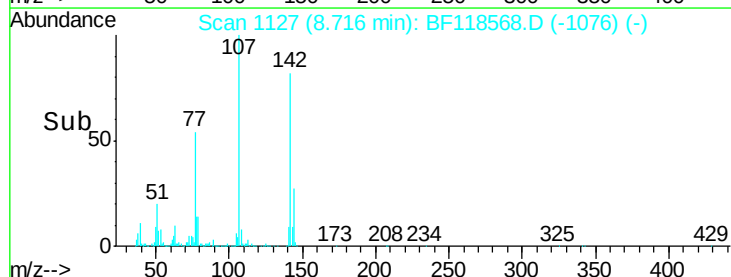
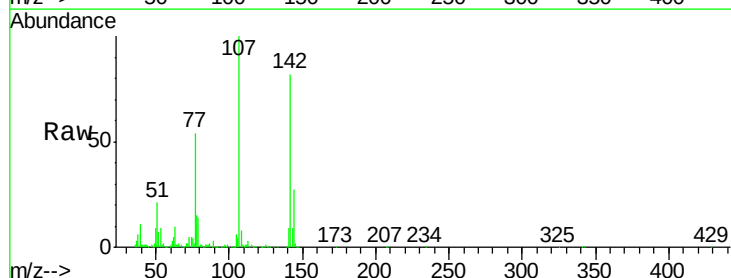
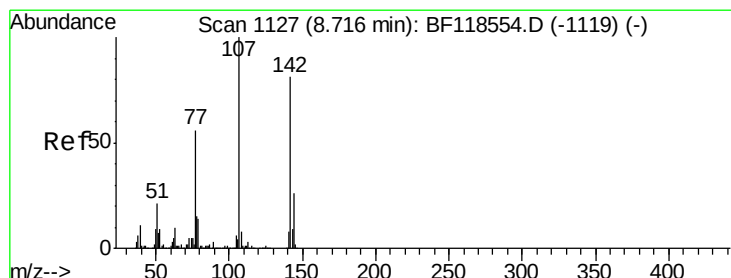
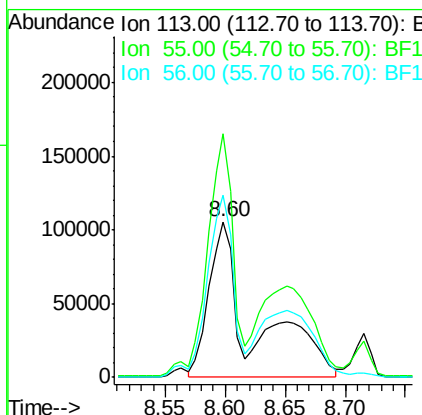
#35
Caprolactam
Concen: 43.806 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.02 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tot Ion	Ratio	Lower	Upper
113	100		
55	156.3	137.3	177.3
56	117.3	99.7	139.7

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

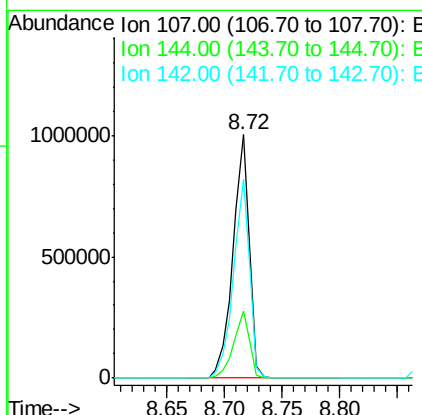
Manual Integrations
APPROVED

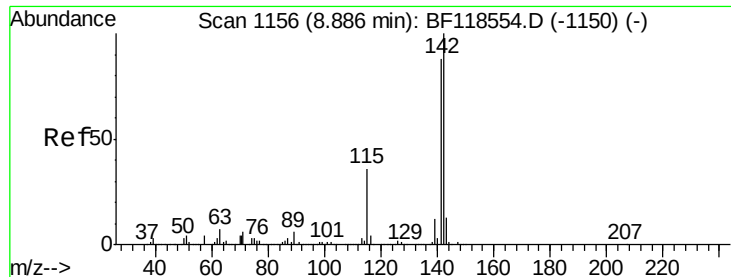
mohammad
1/21/2020 7:58:37 AM



#36
4-Chloro-3-methylphenol
Concen: 50.004 ng
RT: 8.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.4	21.2	31.8
142	81.6	64.4	96.6





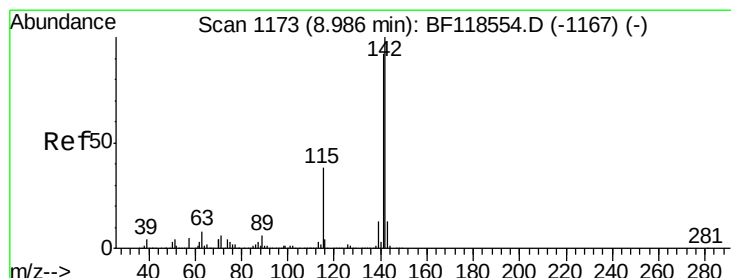
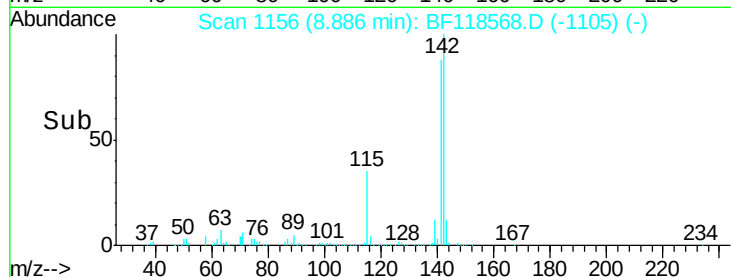
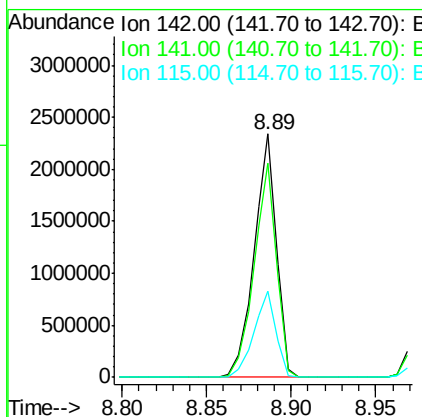
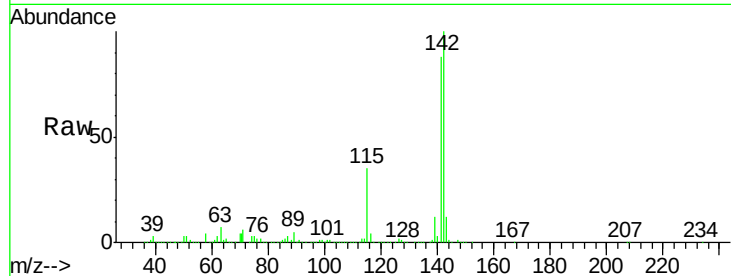
#37
2-Methylnaphthalene
Concen: 50.138 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.6	106.0
115	35.2	29.0	43.4

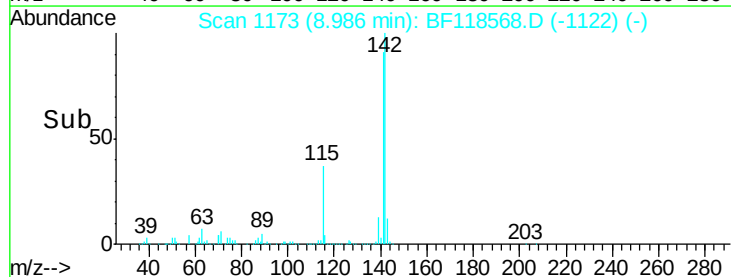
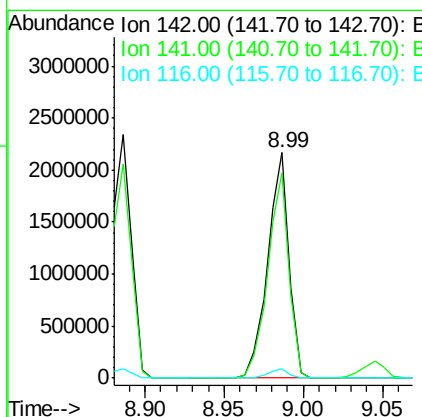
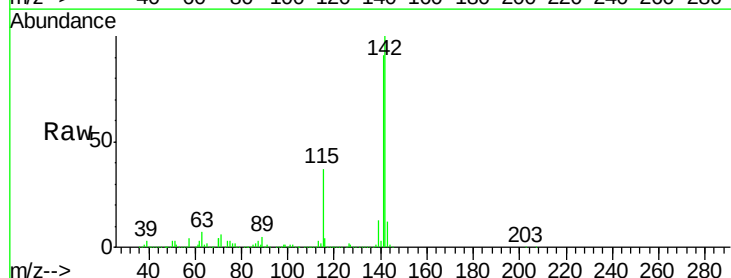
Manual Integrations
APPROVED

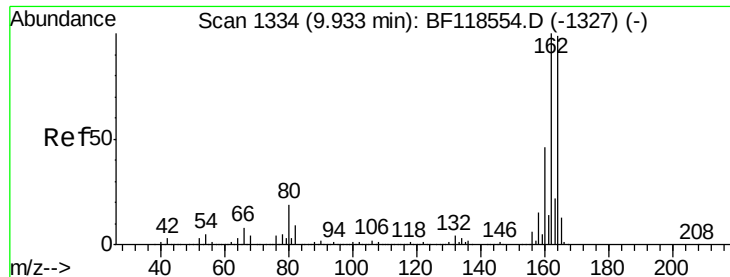
mohammad
1/21/2020 7:58:37 AM



#38
1-Methylnaphthalene
Concen: 50.215 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.8	110.6
116	3.9	3.3	4.9





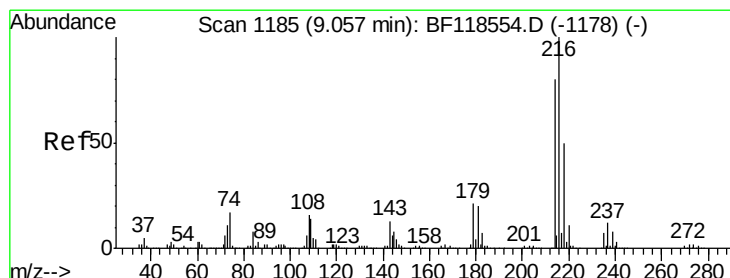
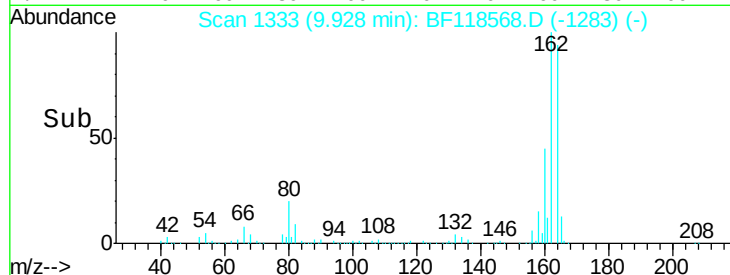
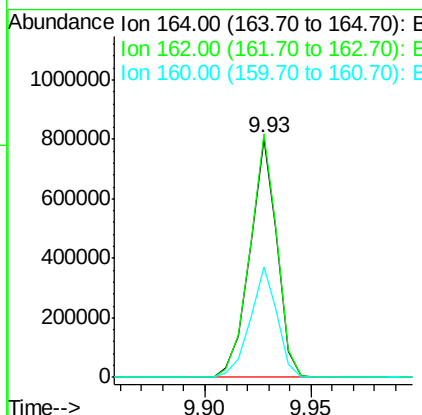
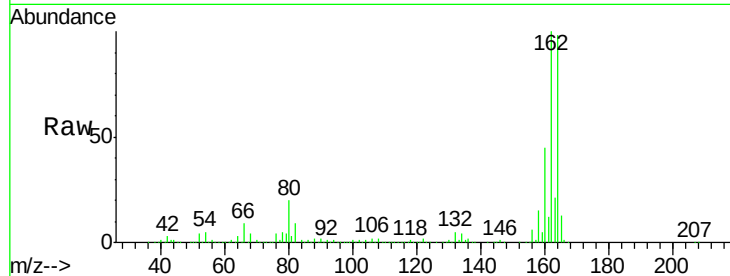
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	46.2	36.7	55.1

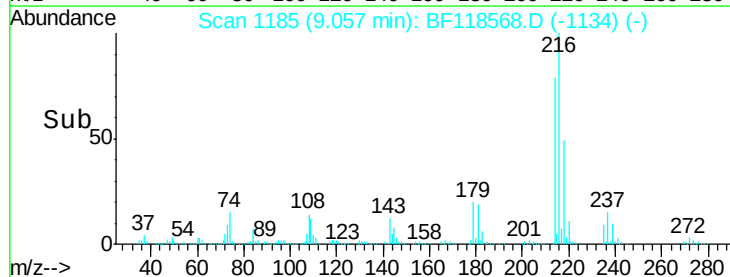
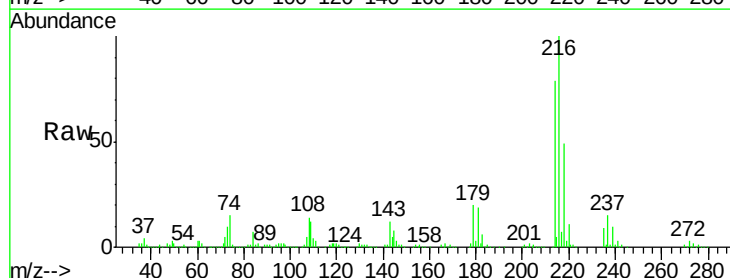
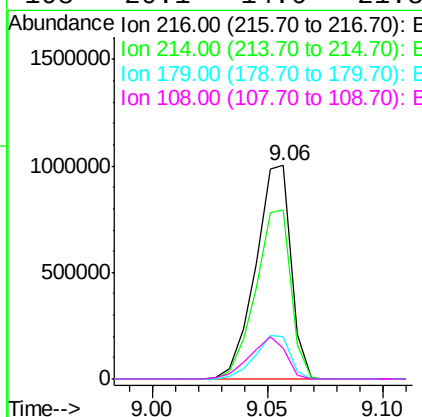
Manual Integrations
APPROVED

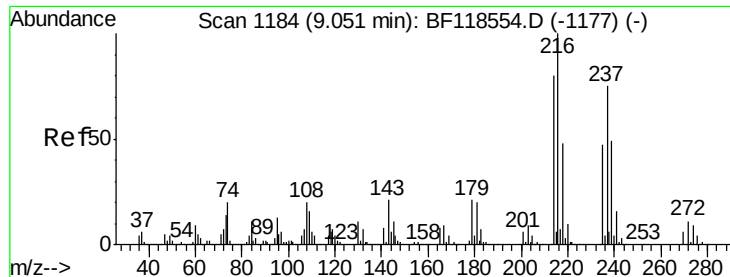
mohammad
1/21/2020 7:58:37 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.400 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.6	95.4
179	20.3	16.5	24.7
108	20.1	14.6	21.8





#41

Hexachlorocyclopentadiene

Concen: 110.370 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:237 Resp: 1330693

Ion Ratio Lower Upper

237 100

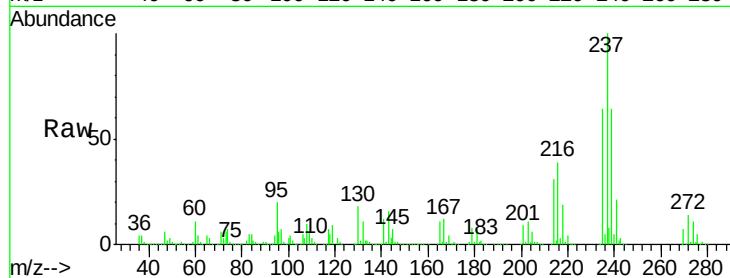
235 64.3 42.1 82.1

272 13.9 0.0 34.3

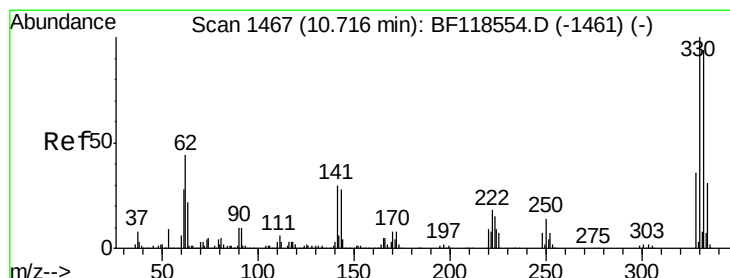
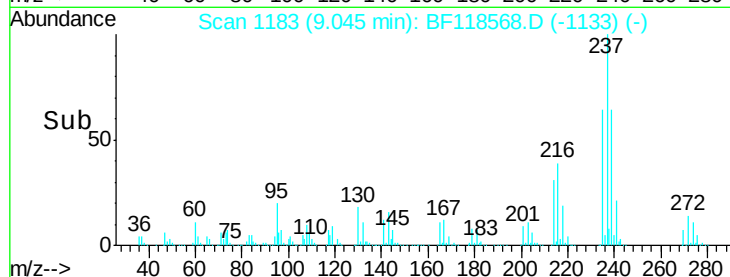
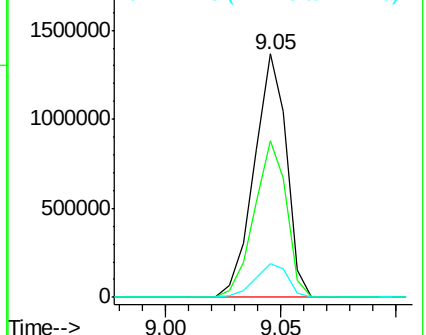
Manual Integrations
APPROVED

mohammad

1/21/2020 7:58:37 AM



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: 158.329 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

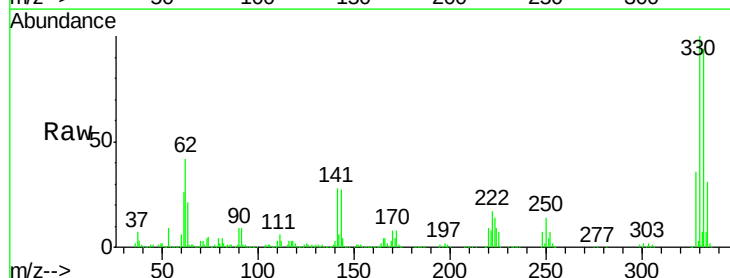
Tgt Ion:330 Resp: 1252217

Ion Ratio Lower Upper

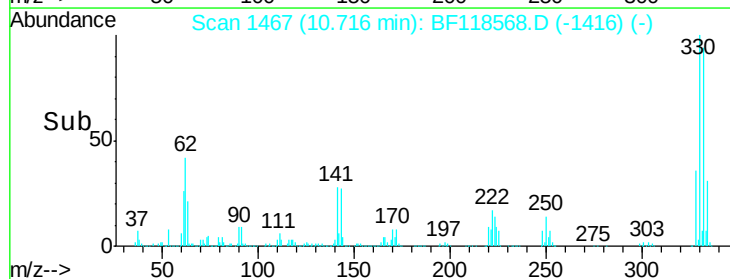
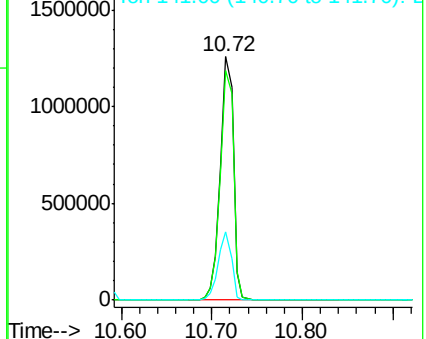
330 100

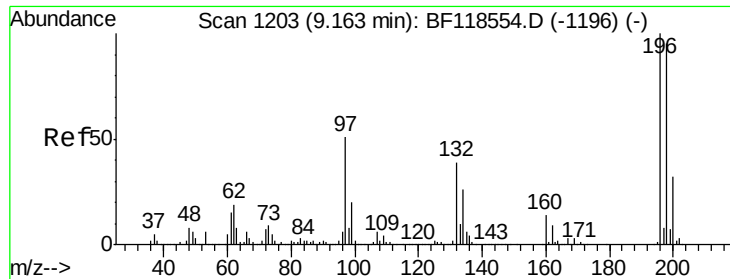
332 96.1 76.4 114.6

141 28.3 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





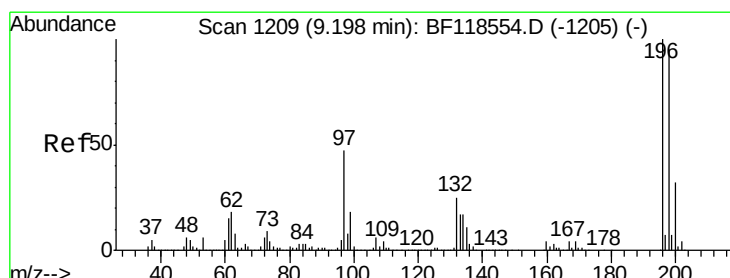
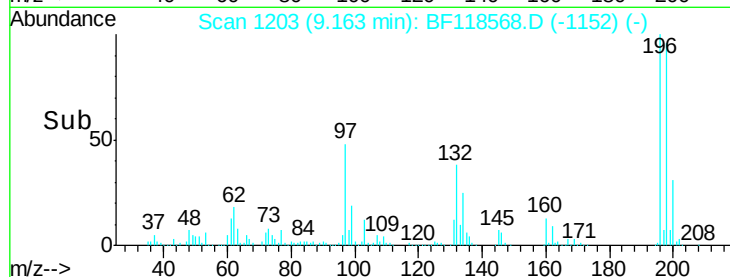
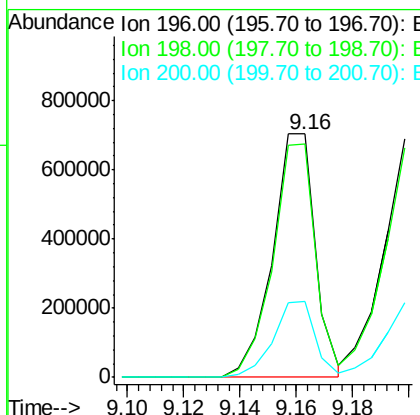
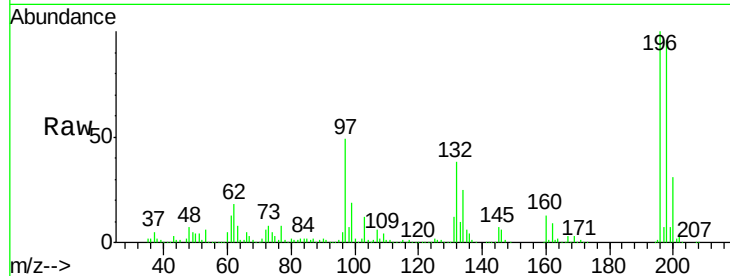
#43
 2,4,6-Trichlorophenol
 Concen: 50.354 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	740320		
198	95.8	76.0	114.0	
200	31.4	25.4	38.0	

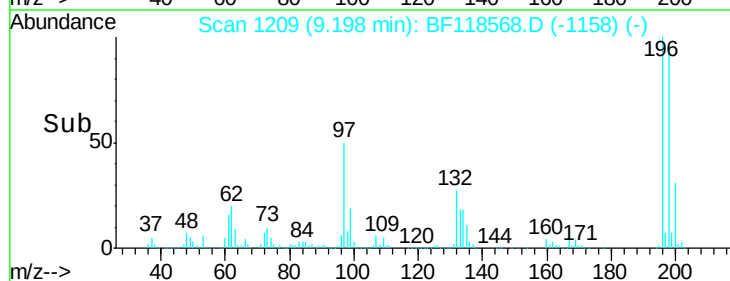
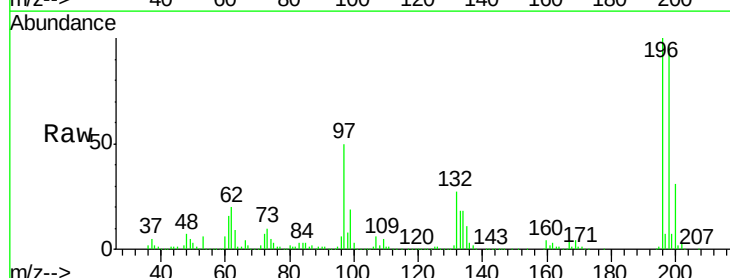
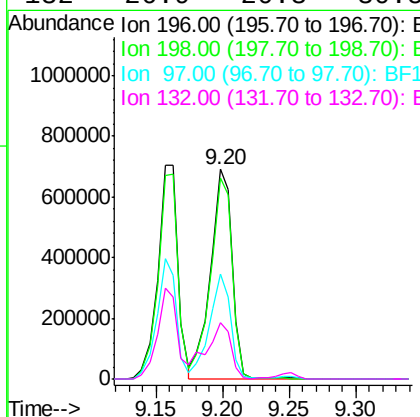
Manual Integrations
 APPROVED

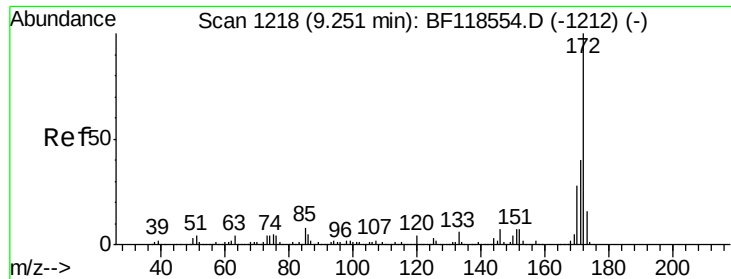
mohammad
 1/21/2020 7:58:37 AM



#44
 2,4,5-Trichlorophenol
 Concen: 53.236 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	791322		
198	96.2	76.2	114.4	
97	50.1	37.4	56.2	
132	26.9	20.3	30.5	





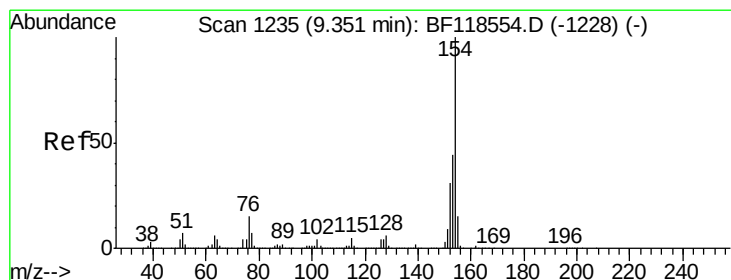
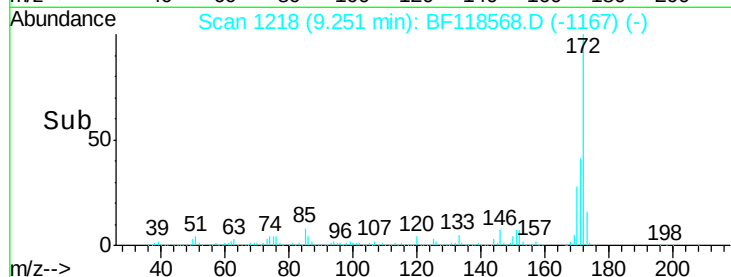
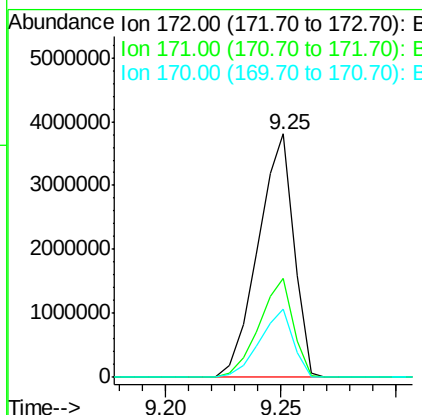
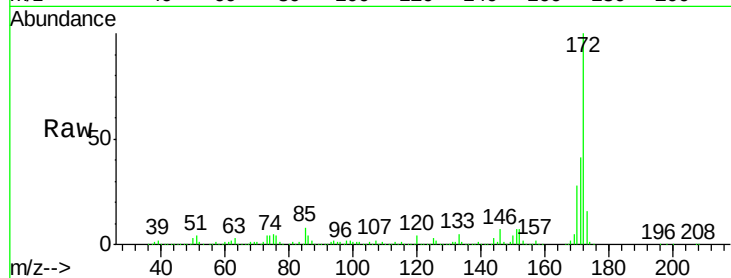
#45
2-Fluorobiphenyl
Concen: 103.350 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.8	32.4	48.6
170	28.1	22.5	33.7

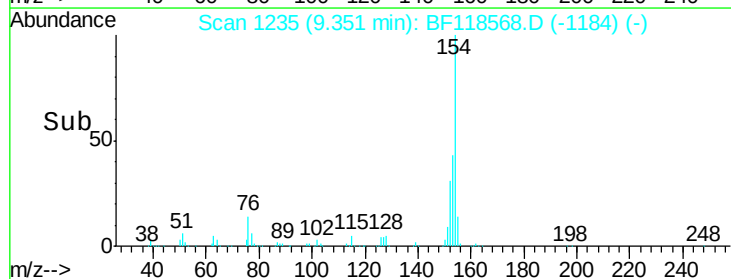
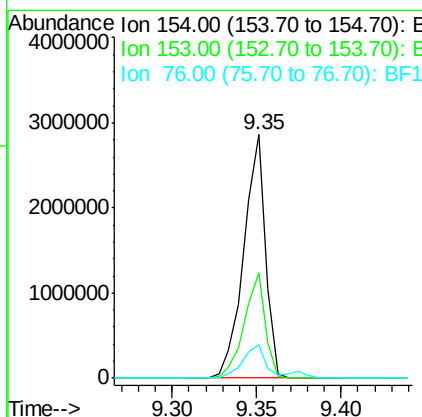
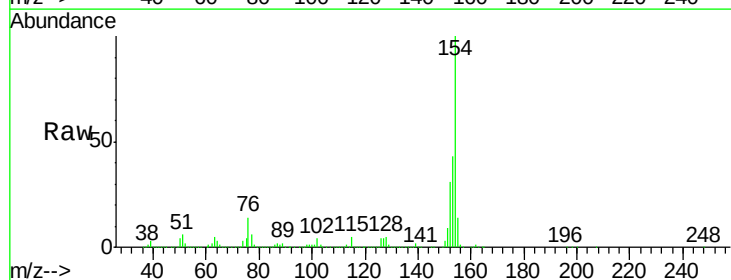
Manual Integrations
APPROVED

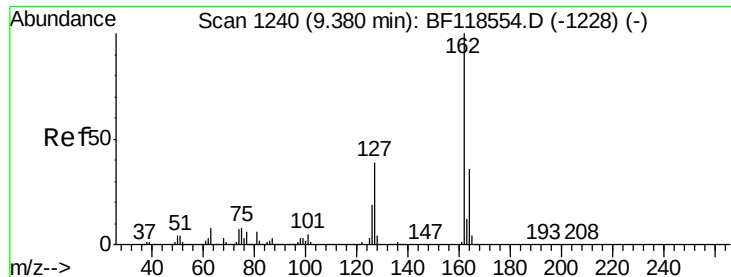
mohammad
1/21/2020 7:58:37 AM



#46
1,1'-Biphenyl
Concen: 50.259 ng
RT: 9.35 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.3	23.7	63.7
76	13.6	0.0	35.2





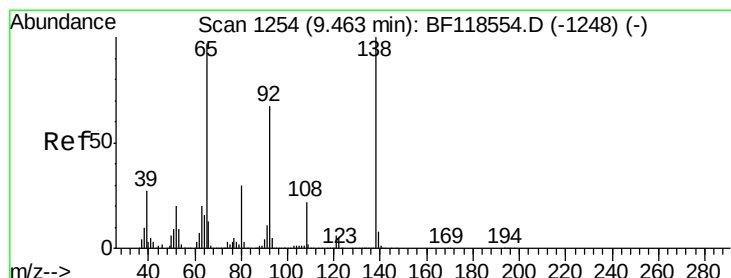
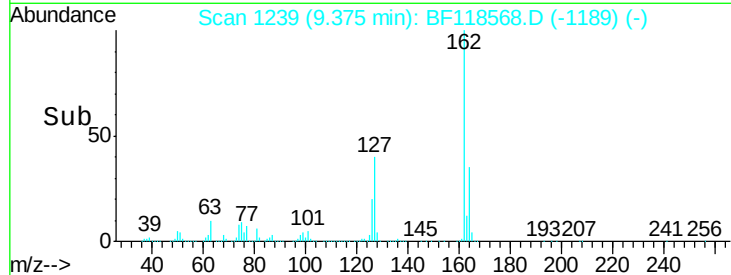
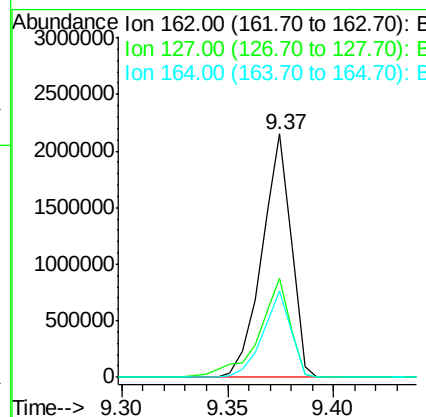
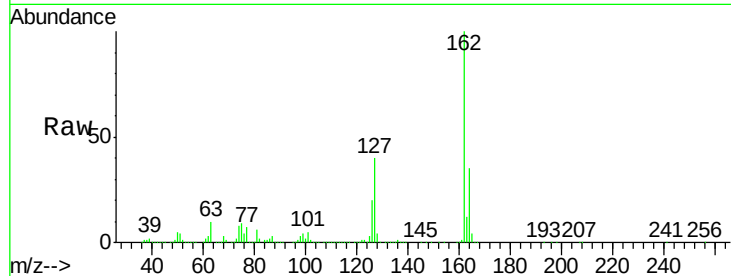
#47
 2-Chloronaphthalene
 Concen: 47.858 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.0	46.4
164	35.3	28.6	42.8

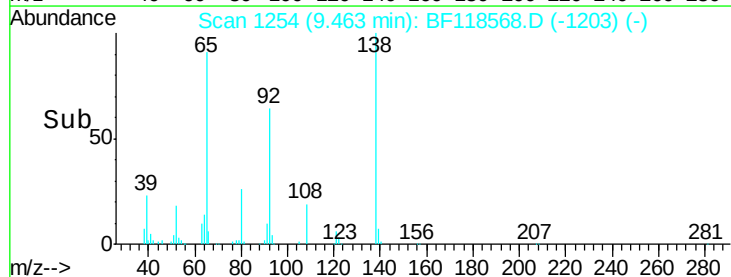
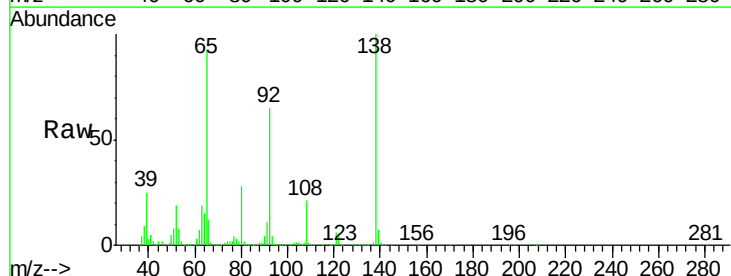
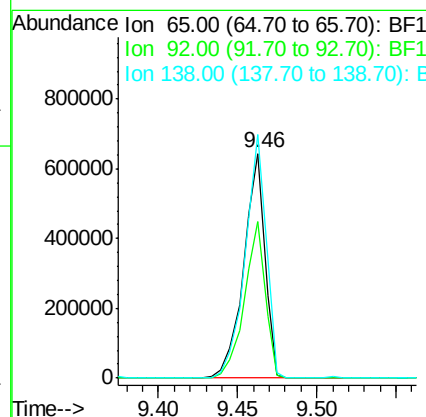
Manual Integrations
 APPROVED

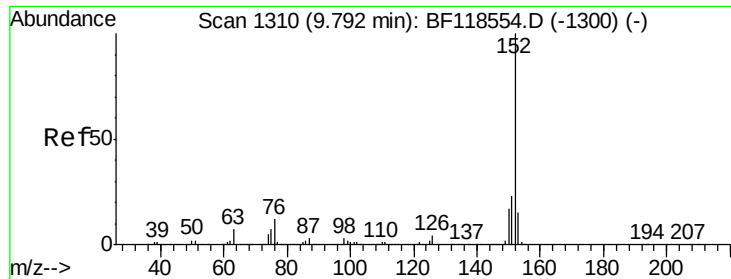
mohammad
 1/21/2020 7:58:37 AM



#48
 2-Nitroaniline
 Concen: 53.033 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.0	55.3	82.9
138	108.4	82.9	124.3





#49

Acenaphthylene

Concen: 51.286 ng

RT: 9.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:152 Resp: 3120081

Ion Ratio Lower Upper

152 100

151 22.9 18.6 27.8

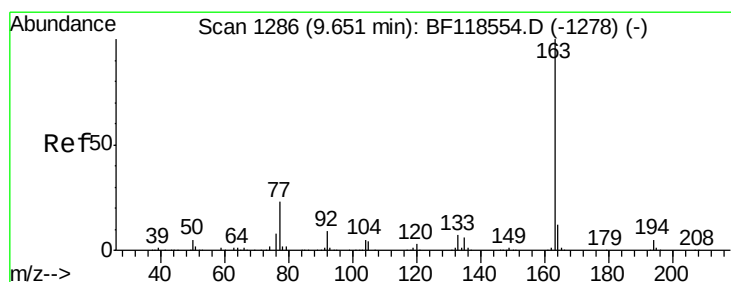
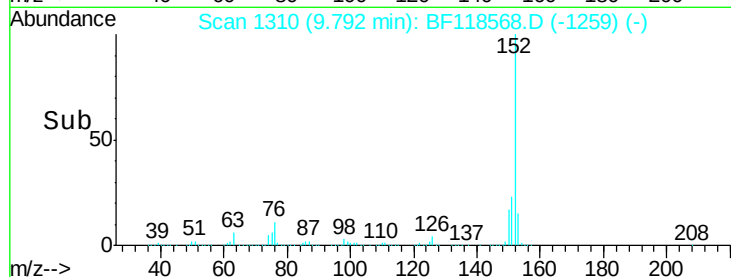
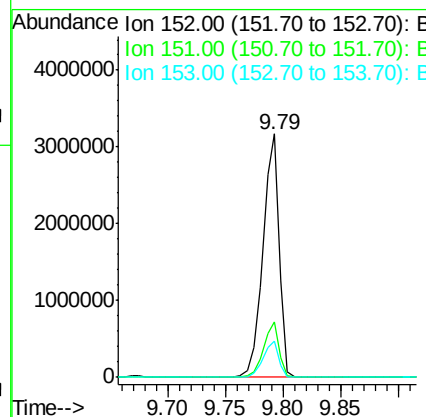
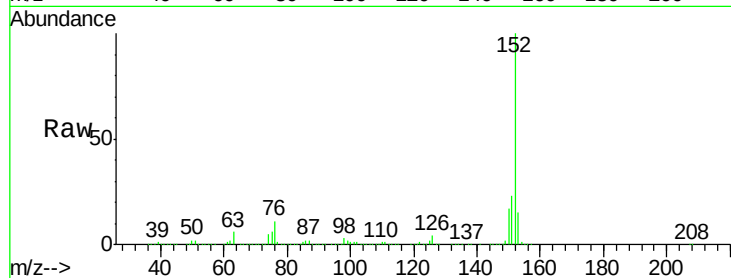
153 15.0 12.3 18.5

Manual Integrations

APPROVED

mohammad

1/21/2020 7:58:37 AM



#50

Dimethylphthalate

Concen: 48.458 ng

RT: 9.65 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

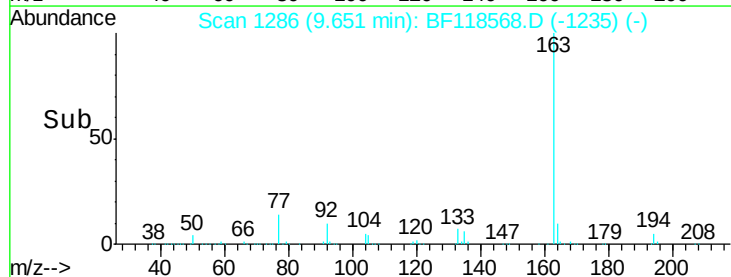
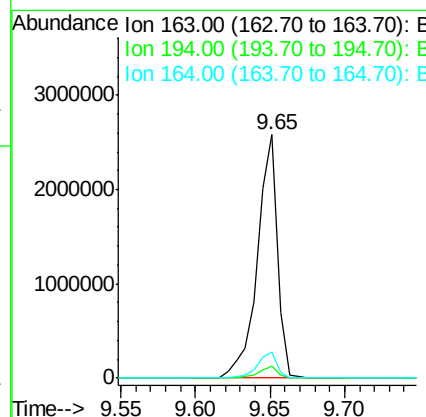
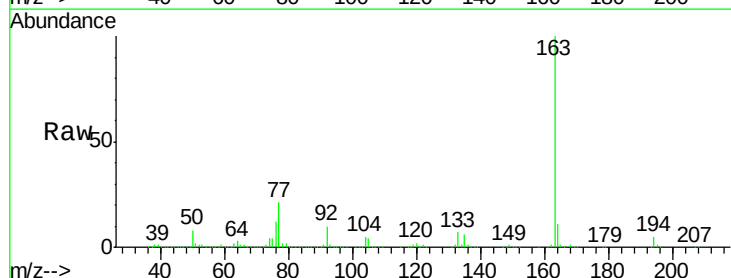
Tgt Ion:163 Resp: 2380336

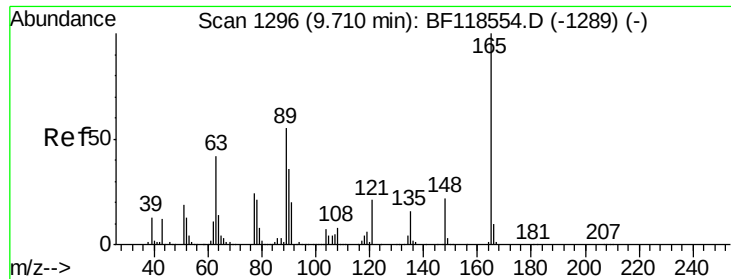
Ion Ratio Lower Upper

163 100

194 4.8 3.8 5.8

164 10.8 9.3 13.9





#51

2,6-Dinitrotoluene

Concen: 57.789 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

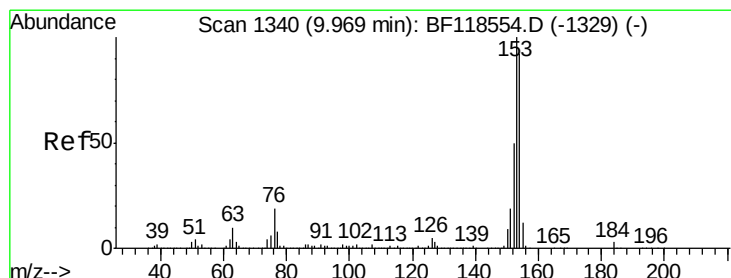
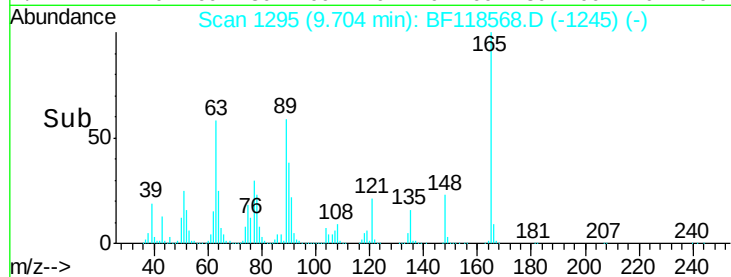
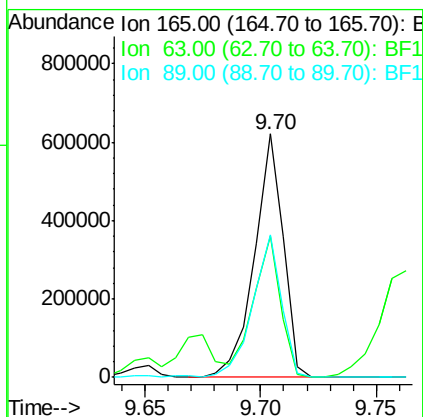
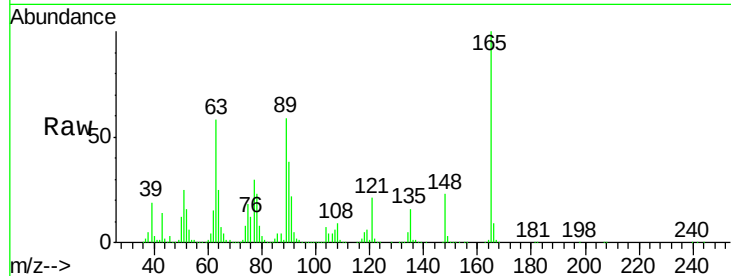
ClientSampleId :

HR-05-011420MS

Tot Ion:	165	Resp:	541613
Ion Ratio	Lower	Upper	
165	100		
63	57.8	41.9	62.9
89	58.6	44.0	66.0

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM



#52

Acenaphthene

Concen: 53.741 ng

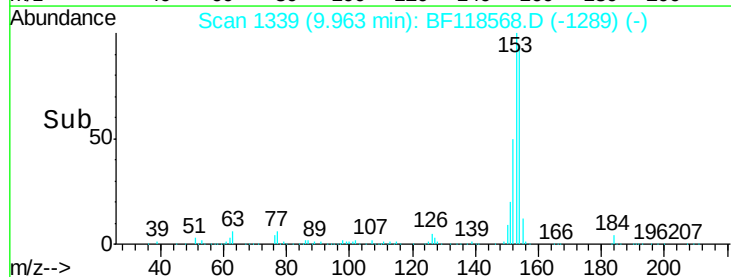
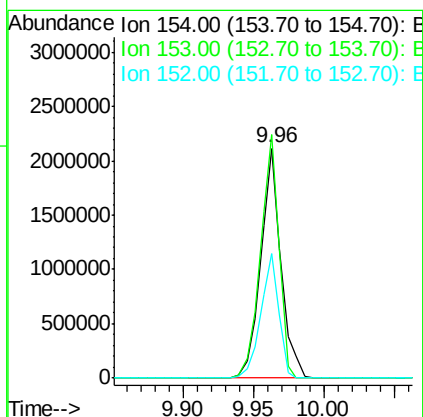
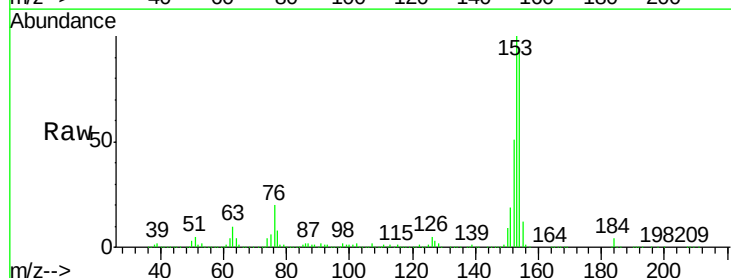
RT: 9.96 min Scan# 1339

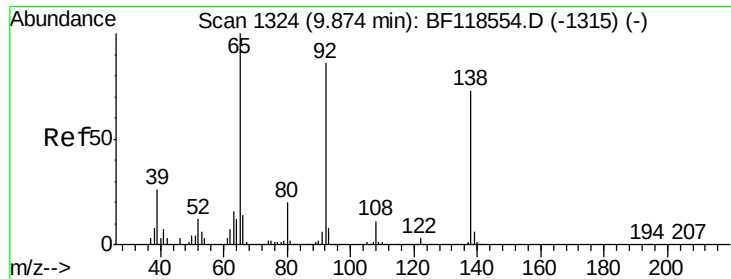
Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion:	154	Resp:	2141825
Ion Ratio	Lower	Upper	
154	100		
153	106.1	87.0	130.4
152	54.3	43.8	65.8





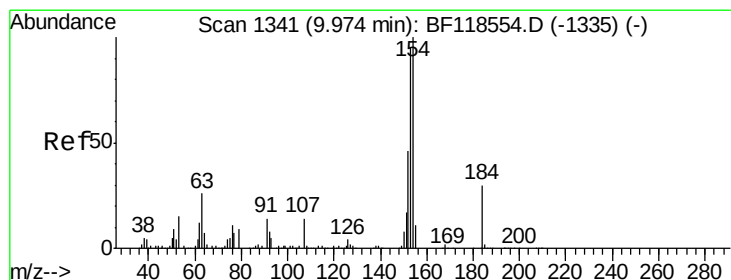
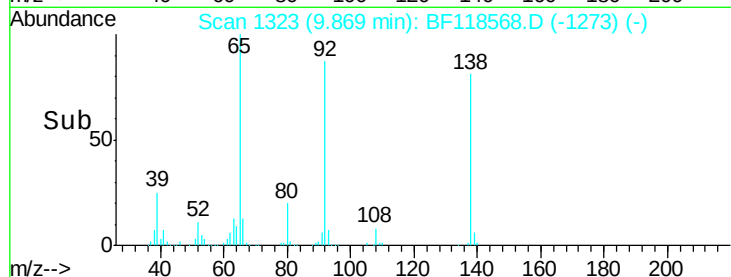
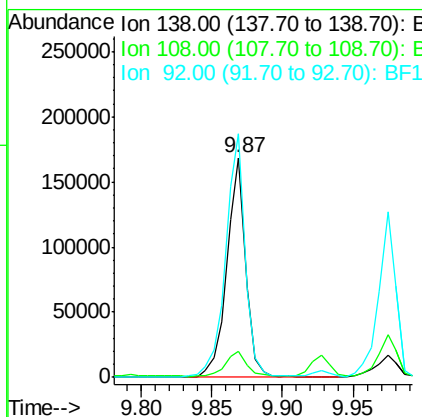
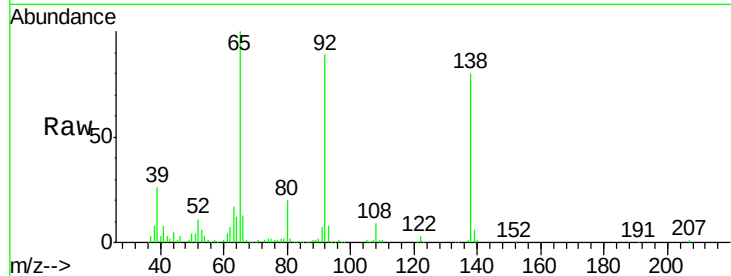
#53
3-Nitroaniline
Concen: 14.803 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.8	12.2	18.4#
92	110.9	94.2	141.2

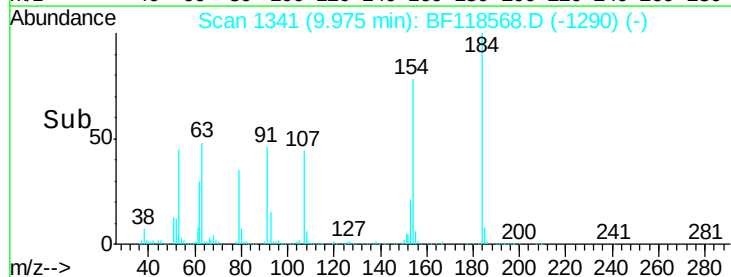
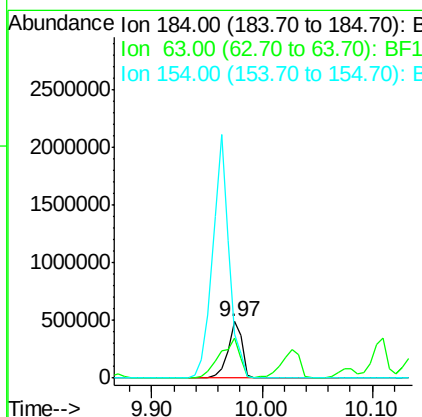
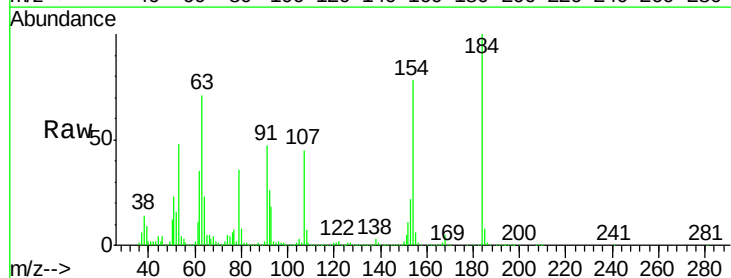
Manual Integrations
APPROVED

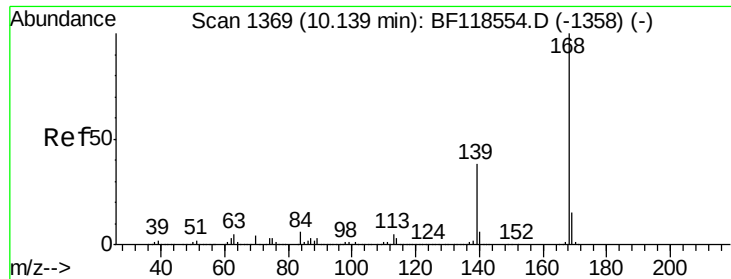
mohammad
1/21/2020 7:58:37 AM



#54
2,4-Dinitrophenol
Concen: 106.084 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.8	69.4	104.0
154	78.3	268.5	402.7#





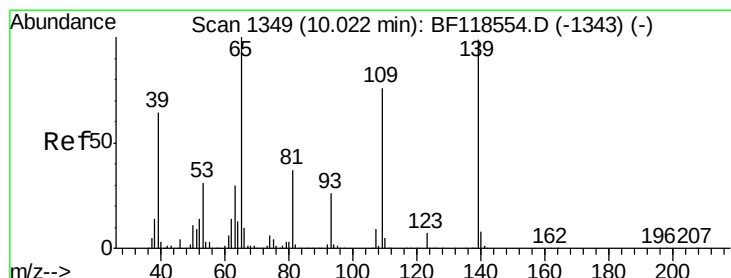
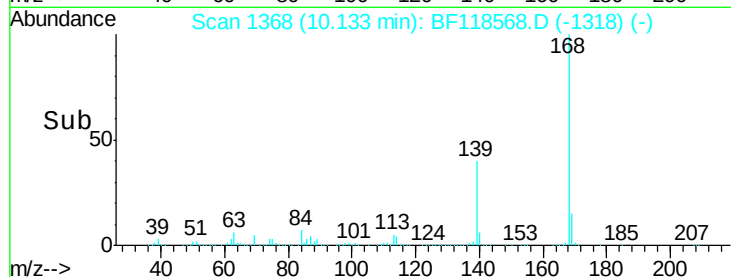
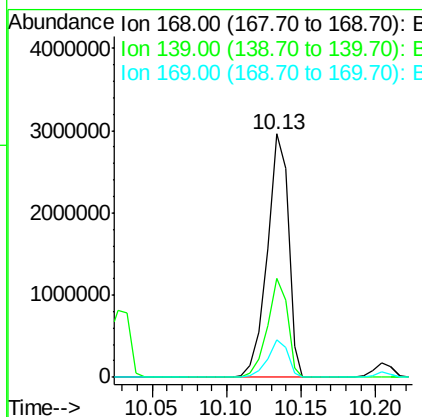
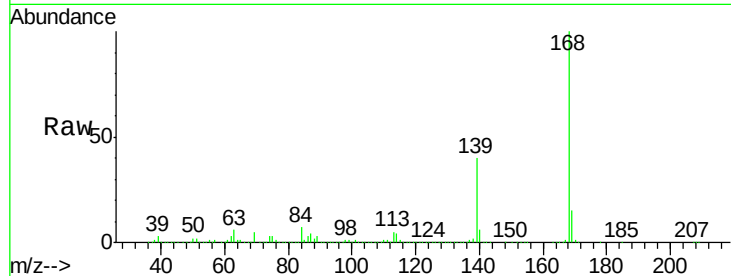
#55
Dibenzenofuran
Concen: 51.150 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.6	46.0
169	15.4	11.9	17.9

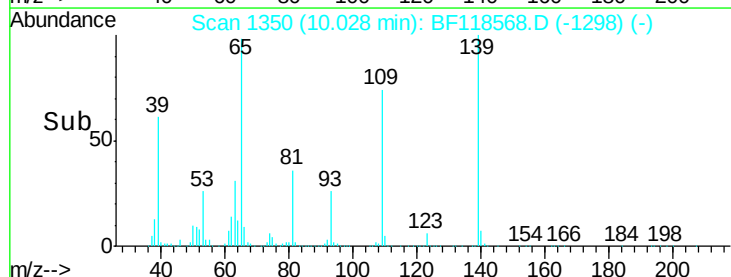
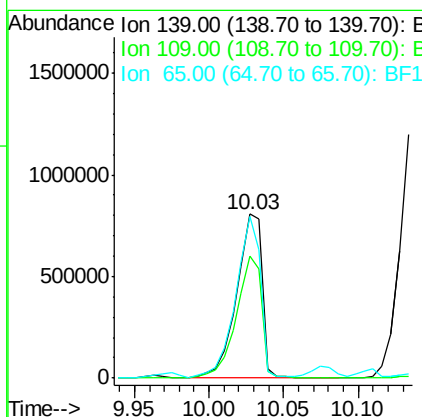
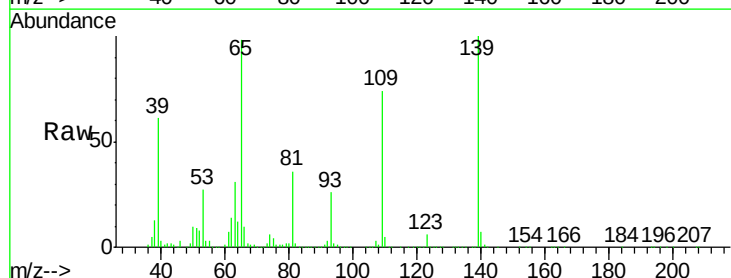
Manual Integrations
APPROVED

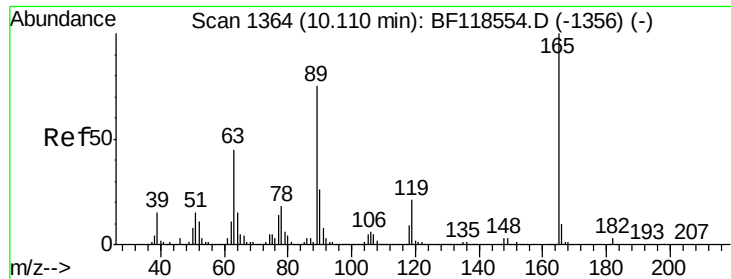
mohammad
1/21/2020 7:58:37 AM



#56
4-Nitrophenol
Concen: 122.488 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.1	56.9	96.9
65	98.2	81.7	121.7





#57

2,4-Dinitrotoluene

Concen: 56.614 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:165 Resp: 711845
Ion Ratio Lower Upper

165 100

63 41.2 35.8 53.6

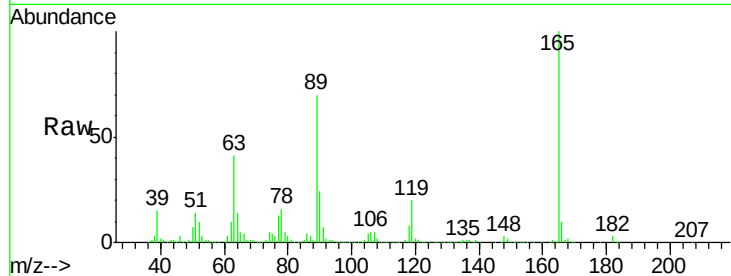
89 70.1 59.9 89.9

182 2.8 2.2 3.2

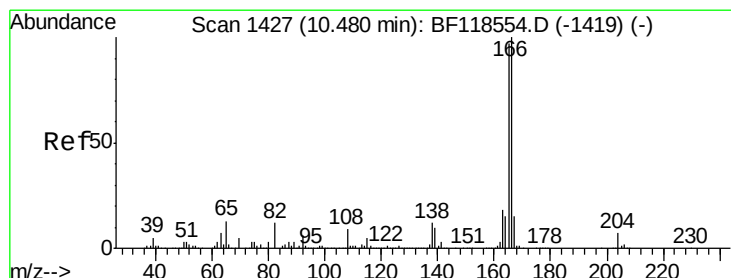
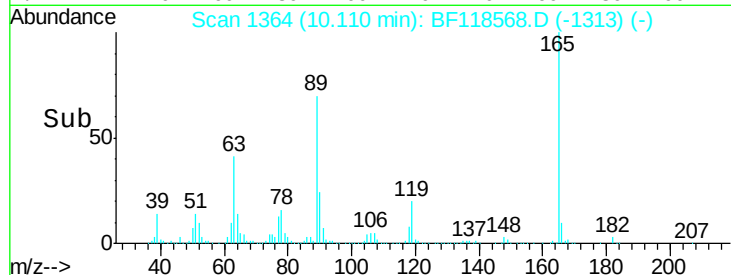
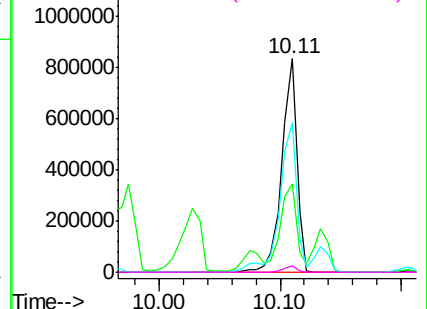
Manual Integrations
APPROVED

mohammad

1/21/2020 7:58:37 AM



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 52.112 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF118568.D

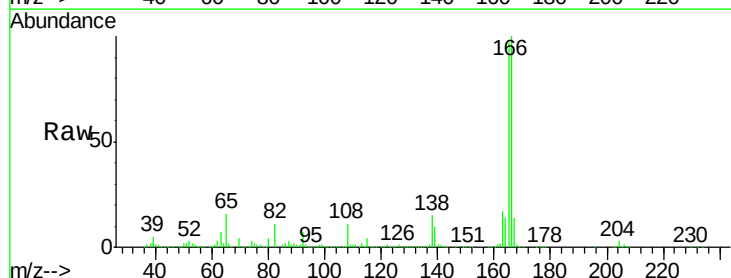
Acq: 17 Jan 2020 19:59

Tgt Ion:166 Resp: 2275977
Ion Ratio Lower Upper

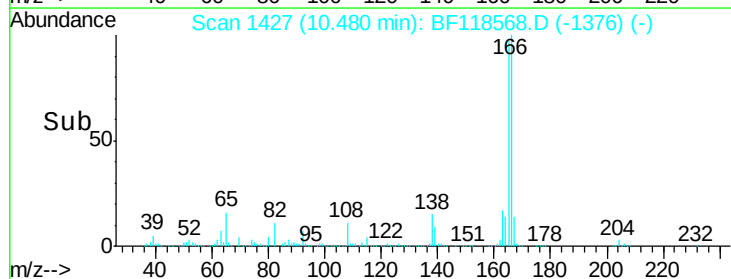
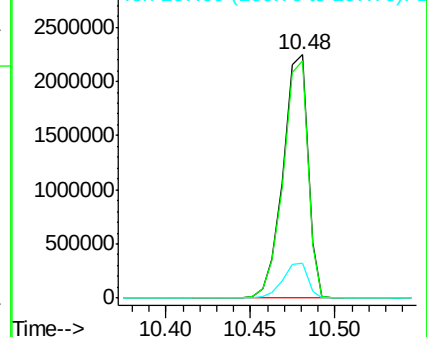
166 100

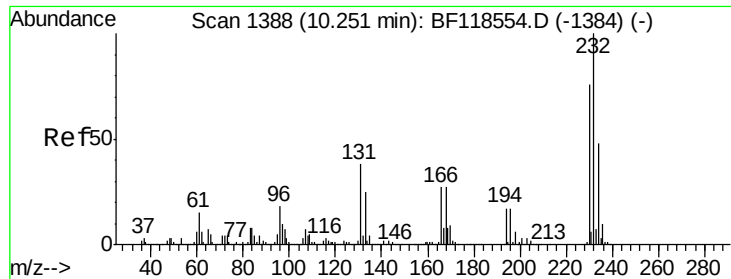
165 97.4 77.8 116.8

167 14.1 11.7 17.5



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 54.171 ng

RT: 10.25 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

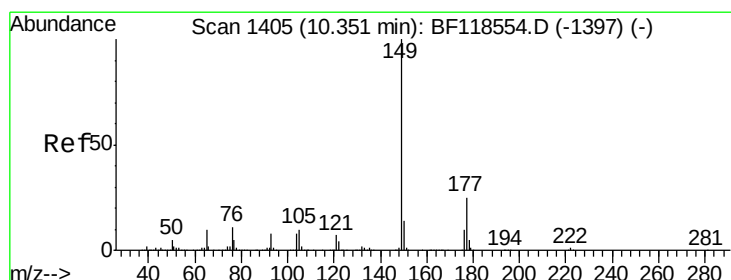
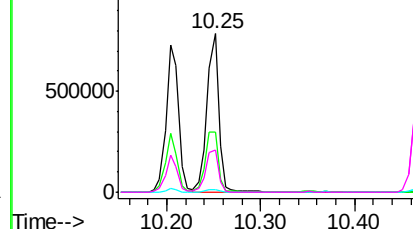
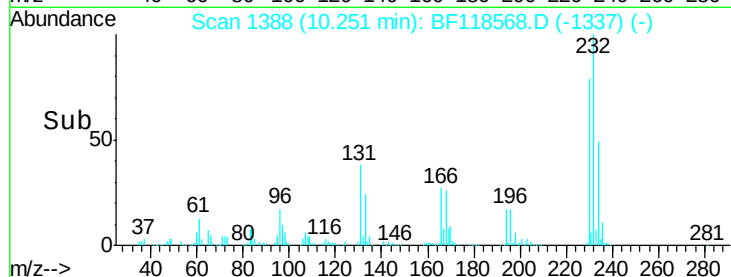
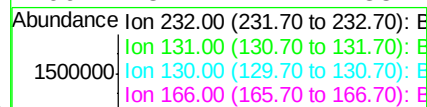
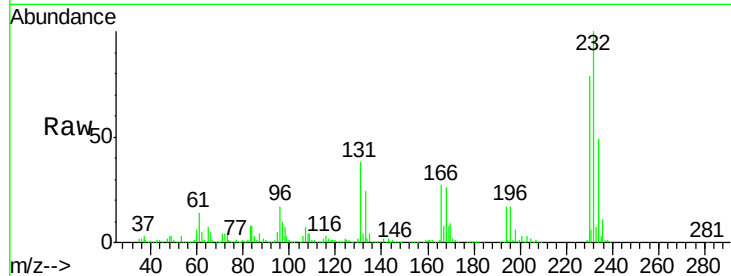
ClientSampleId :

HR-05-011420MS

Tot Ion:	232	Resp:	688870
Ion Ratio	Lower	Upper	
232	100		
131	42.4	32.3	48.5
130	2.1	1.7	2.5
166	28.7	22.2	33.2

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM



#60

Diethylphthalate

Concen: 49.511 ng

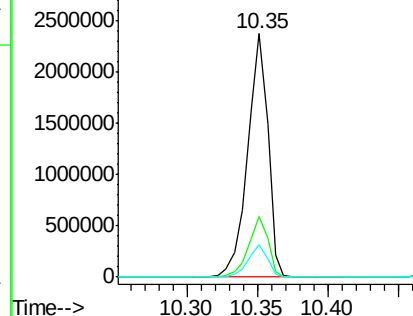
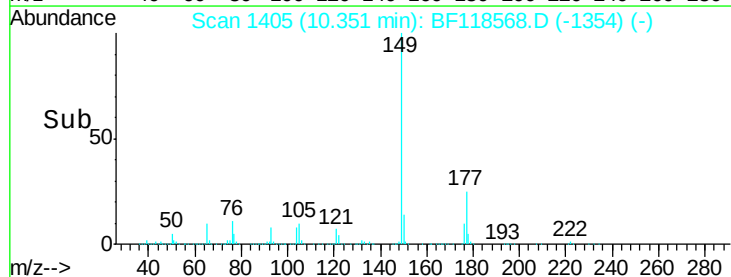
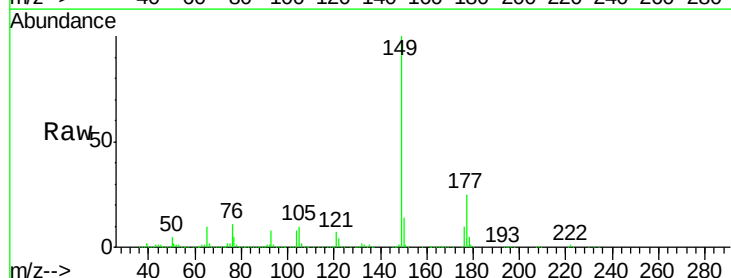
RT: 10.35 min Scan# 1405

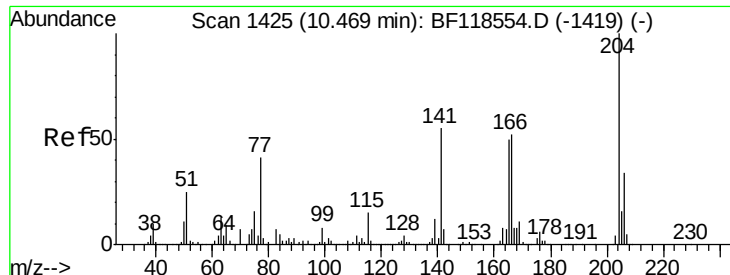
Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion:	149	Resp:	2374314
Ion Ratio	Lower	Upper	
149	100		
177	25.0	20.2	30.4
150	13.5	11.0	16.4





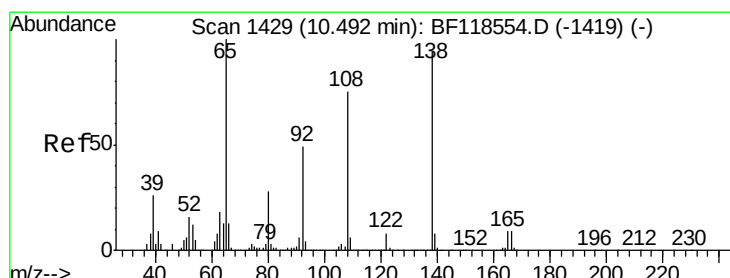
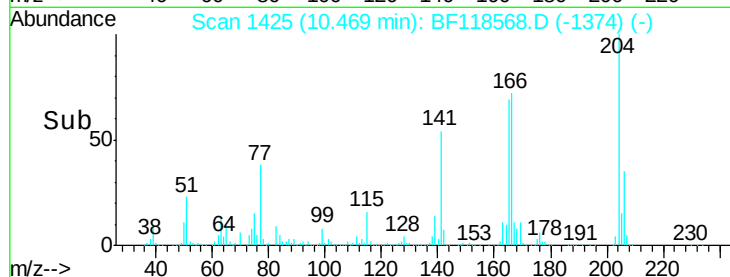
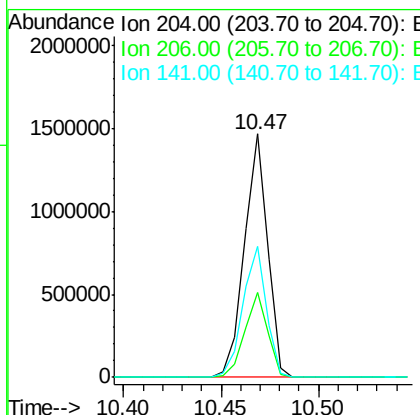
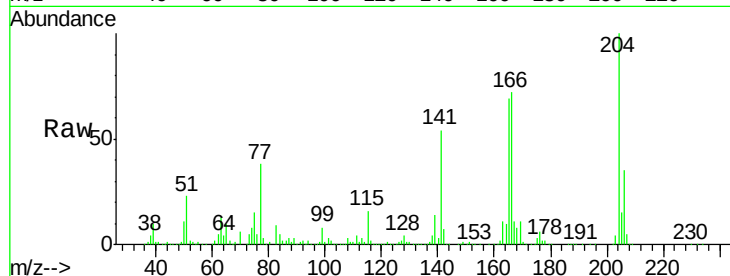
#61
4-Chlorophenyl-phenylether
Concen: 50.356 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.8	27.1	40.7
141	54.0	44.4	66.6

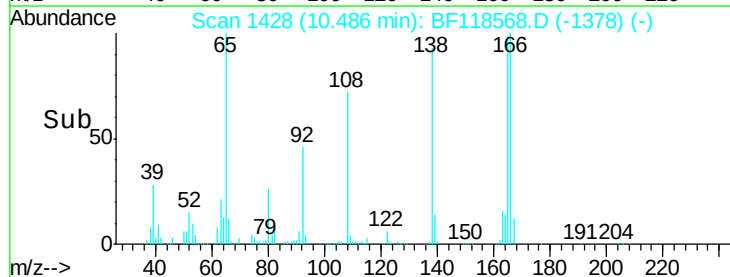
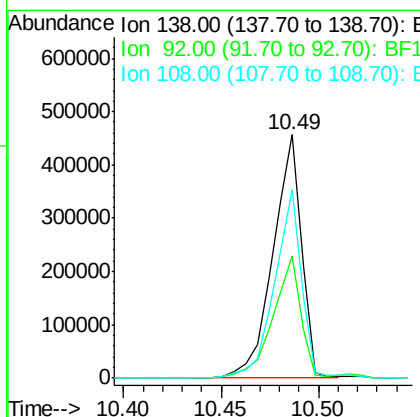
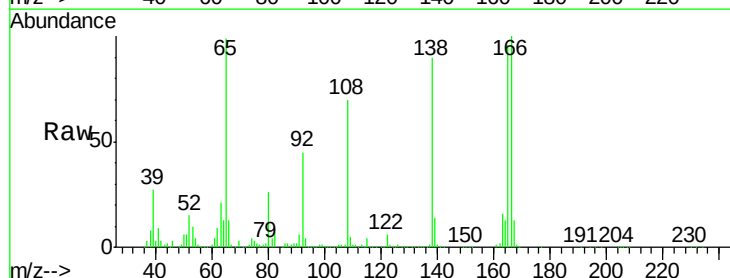
Manual Integrations
APPROVED

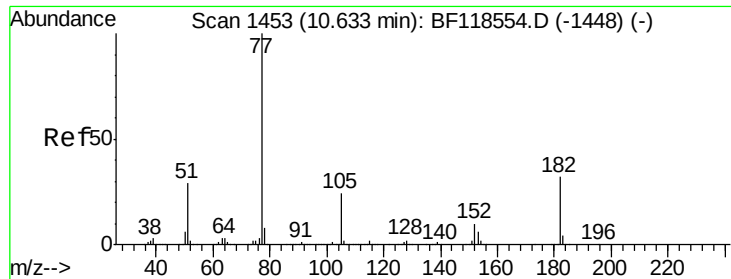
mohammad
1/21/2020 7:58:37 AM



#62
4-Nitroaniline
Concen: 43.753 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.0	31.7	71.7
108	77.7	59.6	99.6





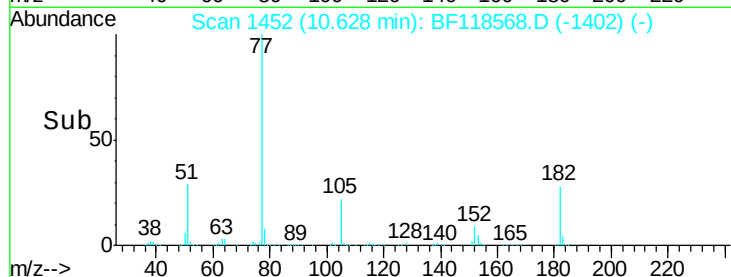
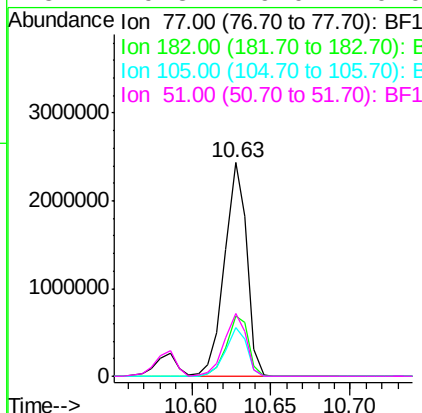
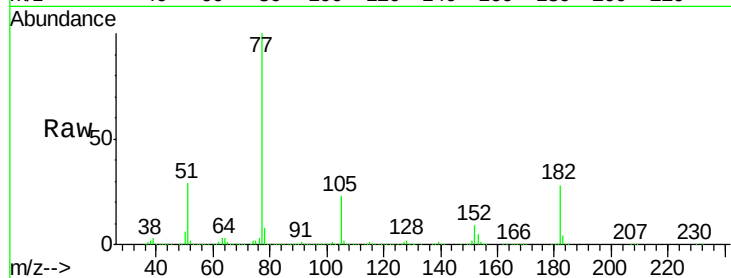
#63
Azobenzene
Concen: 50.359 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	27.9	11.7	51.7	
105	22.6	3.6	43.6	
51	29.3	9.0	49.0	

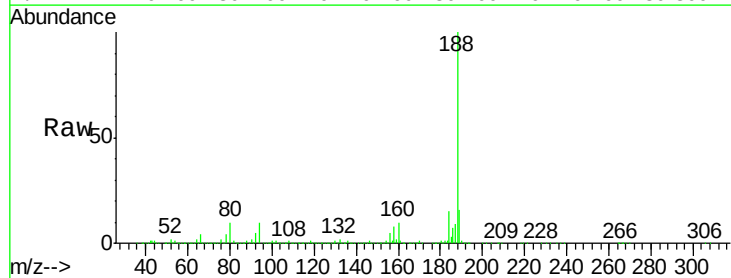
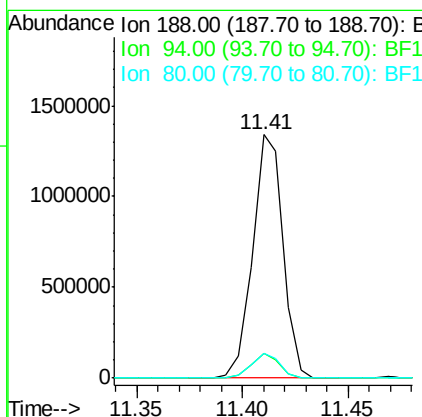
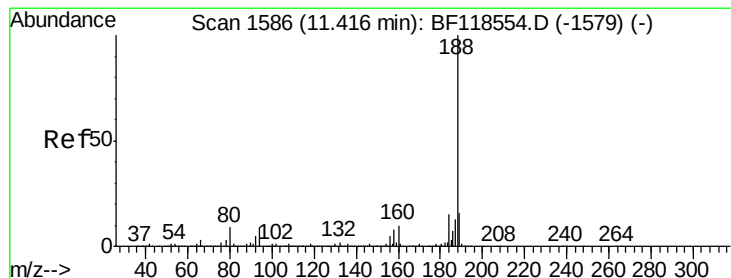
Manual Integrations
APPROVED

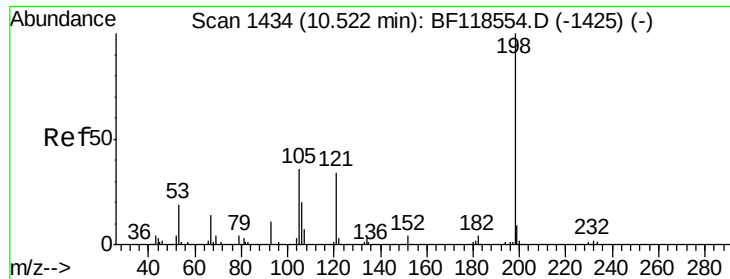
mohammad
1/21/2020 7:58:37 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.0	7.0	10.4	
80	10.4	7.4	11.2	





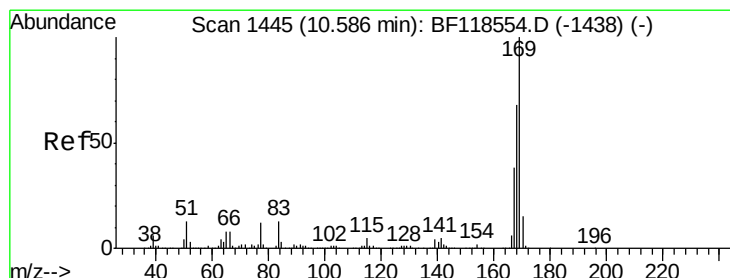
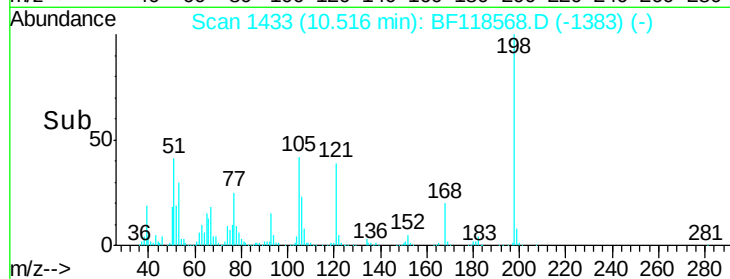
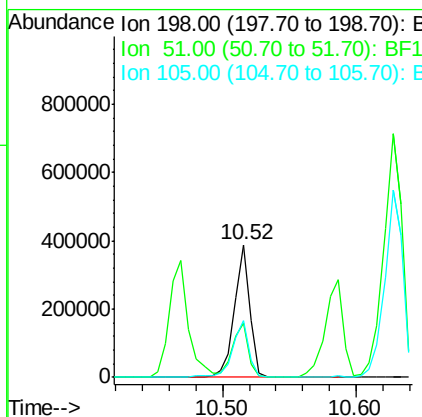
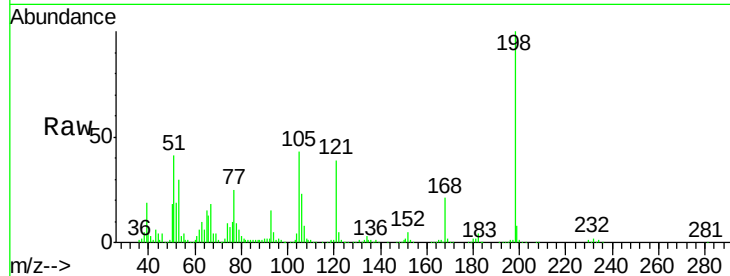
#65
4,6-Dinitro-2-methylphenol
Concen: 56.728 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	319486		
51	41.3		13.2	53.2
105	42.6		17.2	57.2

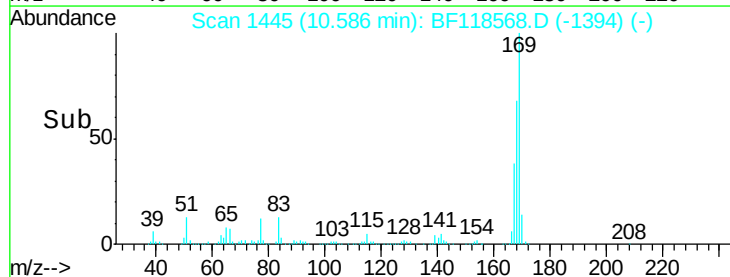
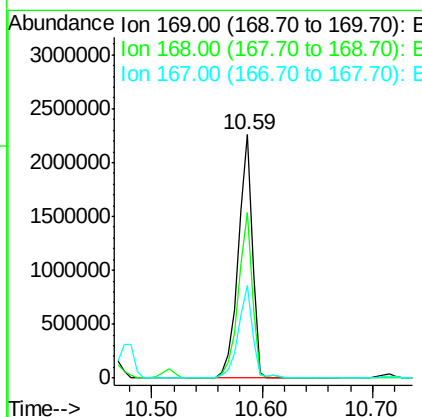
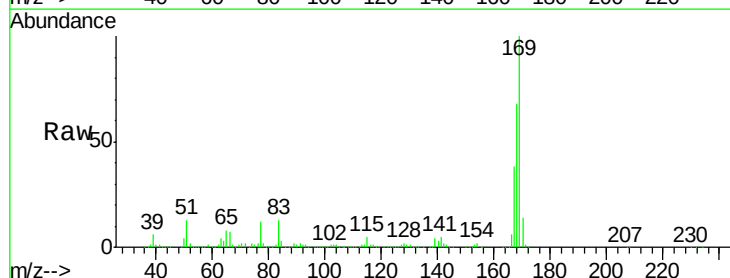
Manual Integrations
APPROVED

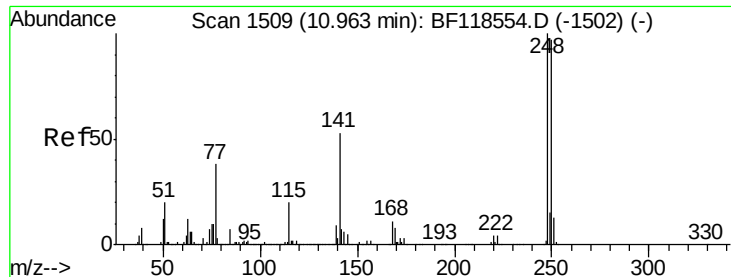
mohammad
1/21/2020 7:58:37 AM



#66
n-Nitrosodiphenylamine
Concen: 47.554 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	2034938		
168	68.0		54.2	81.4
167	37.9		30.5	45.7





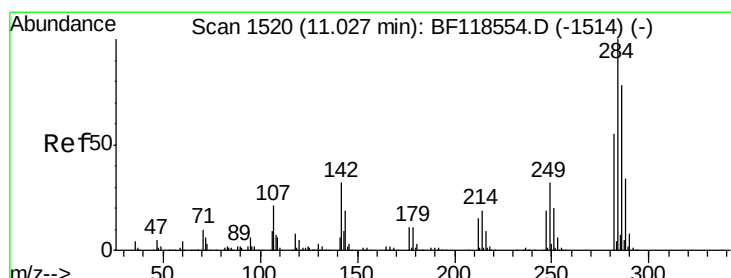
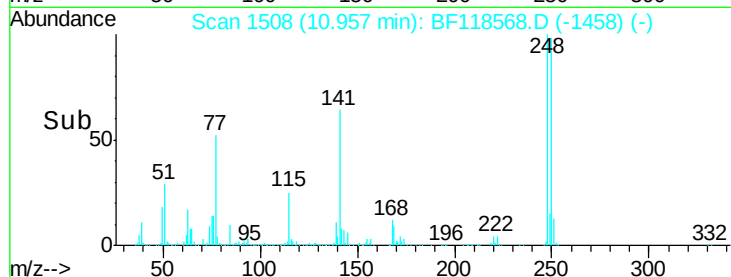
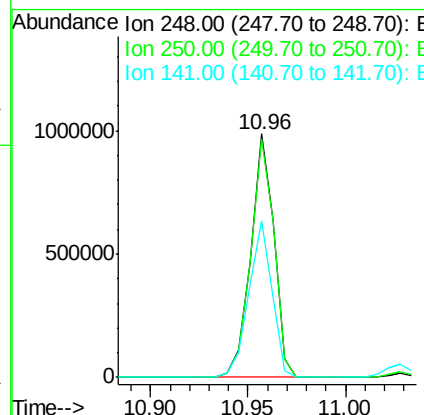
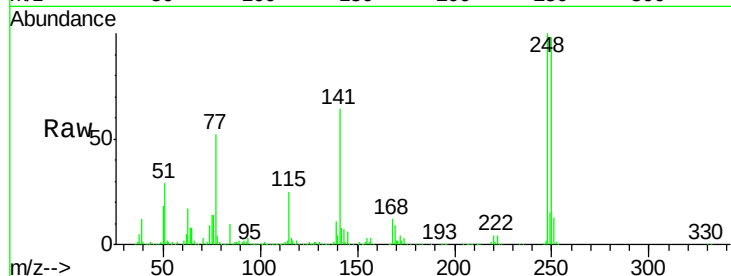
#67
4-Bromophenyl-phenylether
Concen: 45.498 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.8	116.8
141	64.3	42.7	64.1

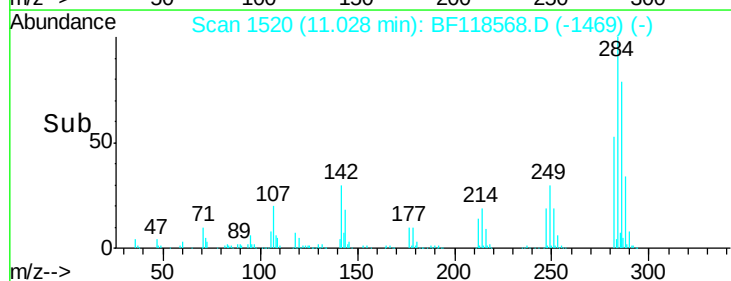
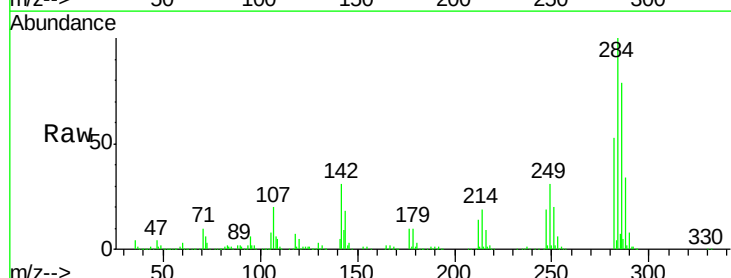
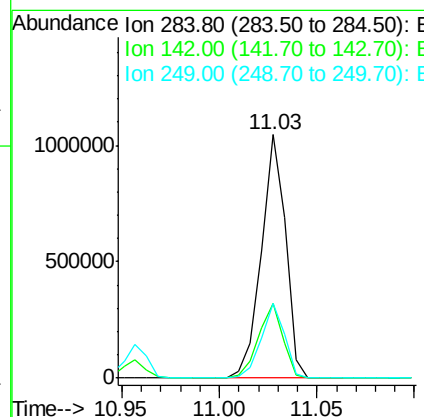
Manual Integrations
APPROVED

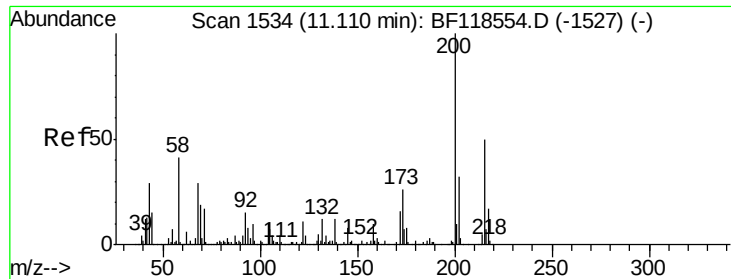
mohammad
1/21/2020 7:58:37 AM



#68
Hexachlorobenzene
Concen: 45.464 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.6	25.6	38.4
249	30.5	25.6	38.4





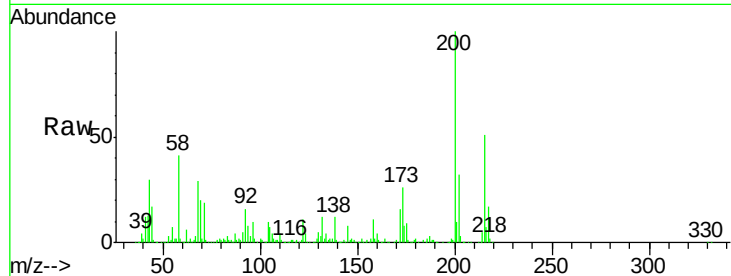
#69
Atrazine
Concen: 49.913 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

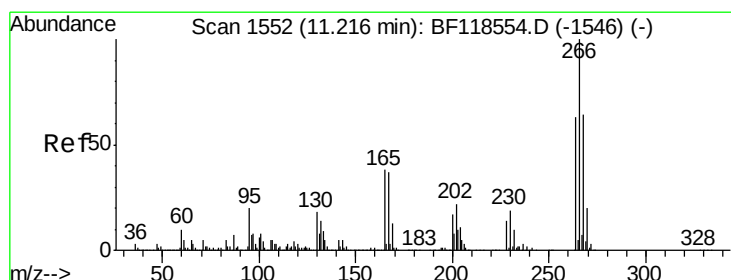
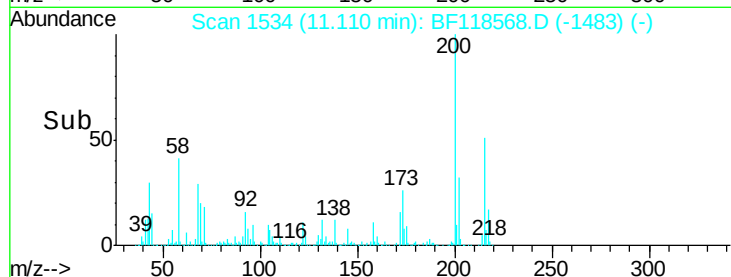
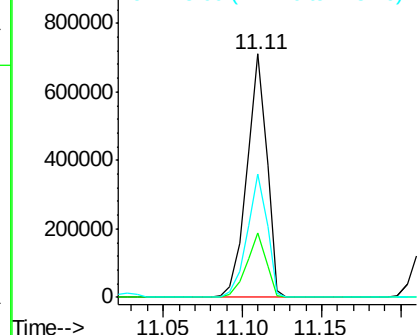
Tot Ion	Ratio	Resp	Lower	Upper
200	100	616360		
173	26.4	5.8	45.8	
215	50.8	29.8	69.8	

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM

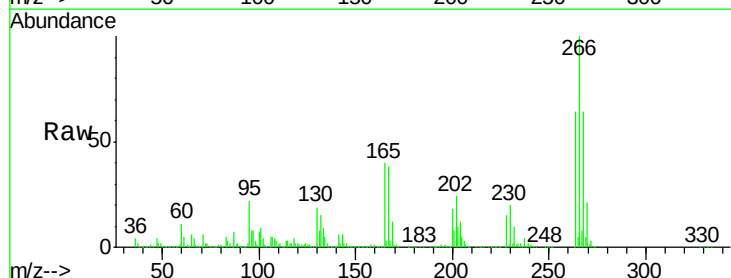


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

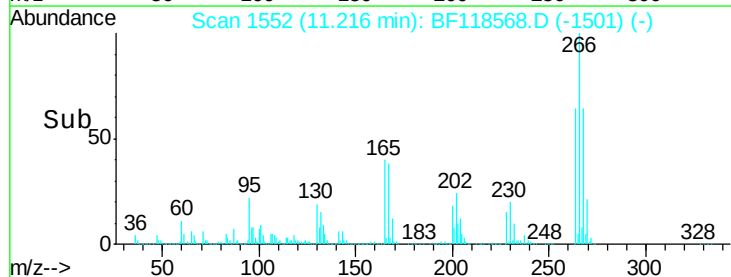
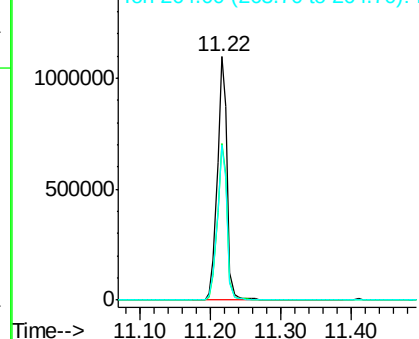


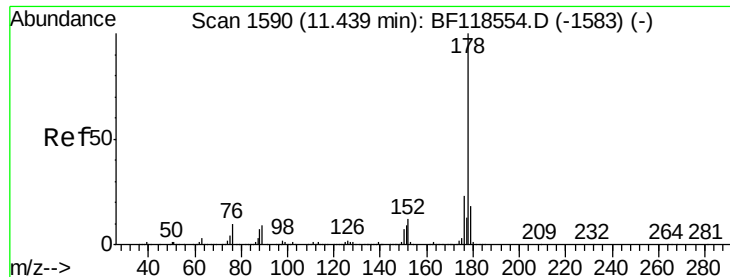
#70
Pentachlorophenol
Concen: 110.517 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	1073002		
268	64.1	51.0	76.4	
264	63.8	50.5	75.7	



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





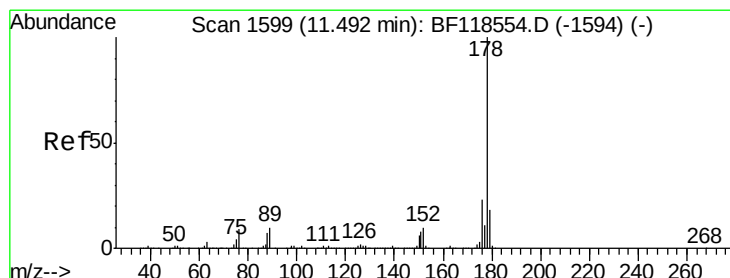
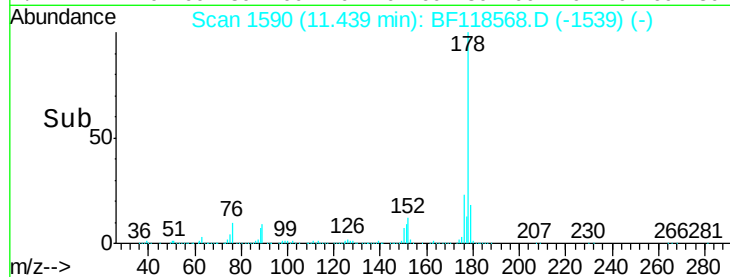
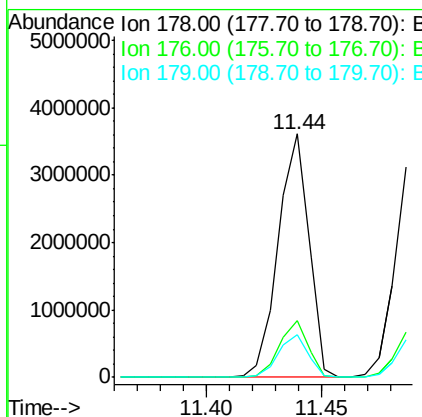
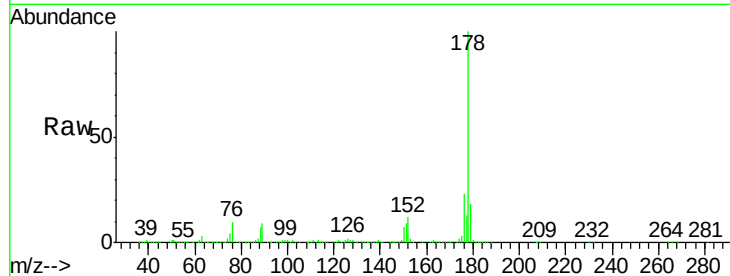
#71
Phenanthrene
Concen: 49.738 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion:178 Resp: 3329506
Ion Ratio Lower Upper
178 100
176 23.2 18.6 28.0
179 17.8 14.6 22.0

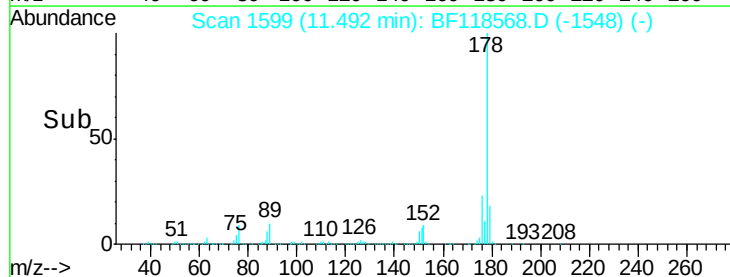
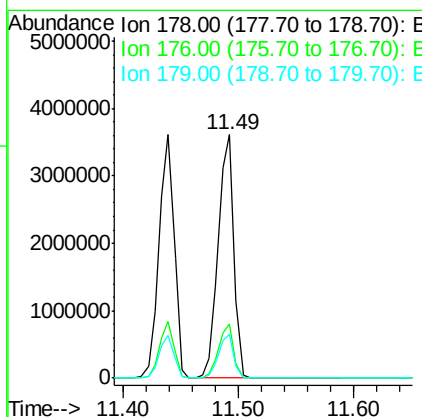
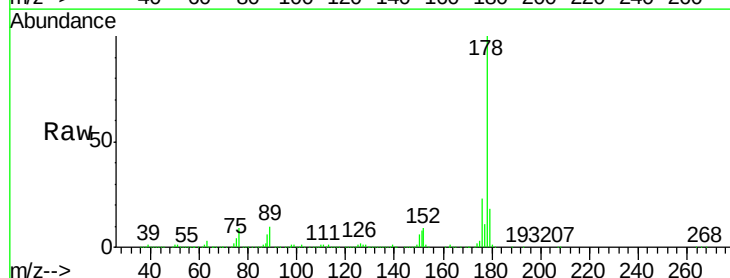
Manual Integrations
APPROVED

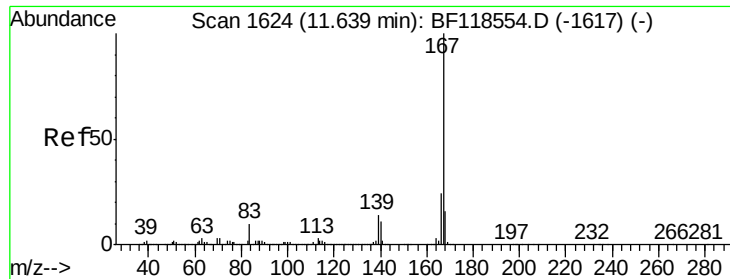
mohammad
1/21/2020 7:58:37 AM



#72
Anthracene
Concen: 50.923 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion:178 Resp: 3401064
Ion Ratio Lower Upper
178 100
176 22.5 18.1 27.1
179 18.2 14.7 22.1





#73
 Carbazole
 Concen: 49.811 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

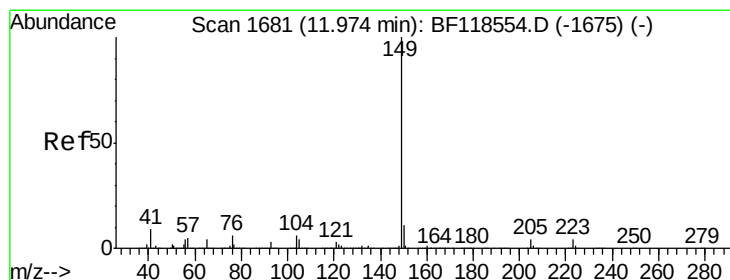
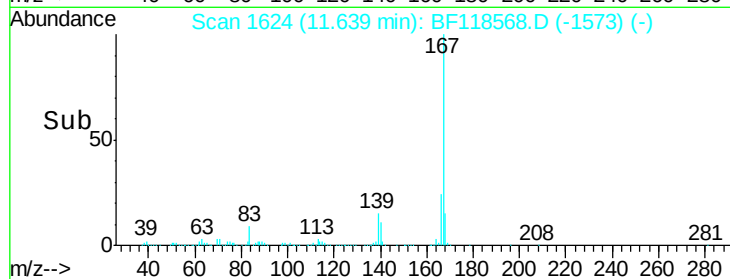
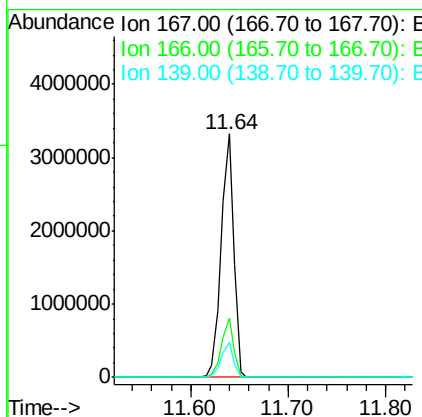
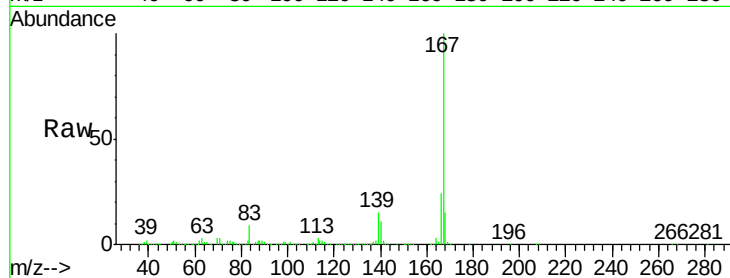
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-011420MS

Tot Ion:167 Resp: 3000332

Ion	Ratio	Lower	Upper
167	100		
166	24.3	19.5	29.3
139	14.6	11.5	17.3

Manual Integrations
 APPROVED

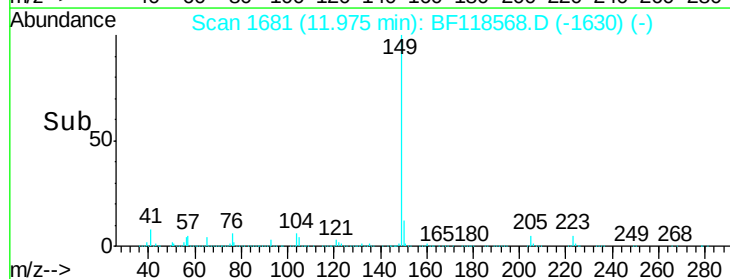
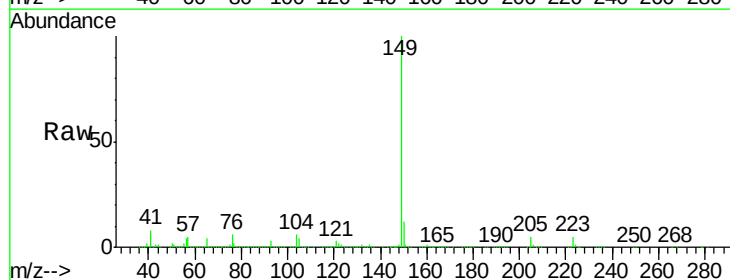
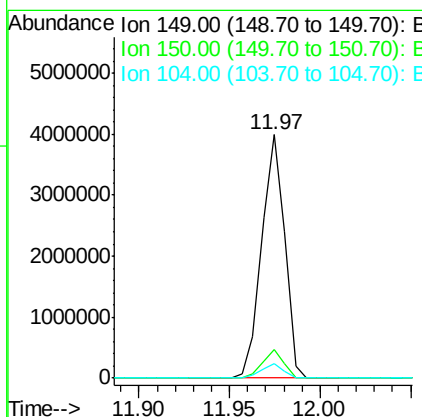
mohammad
 1/21/2020 7:58:37 AM

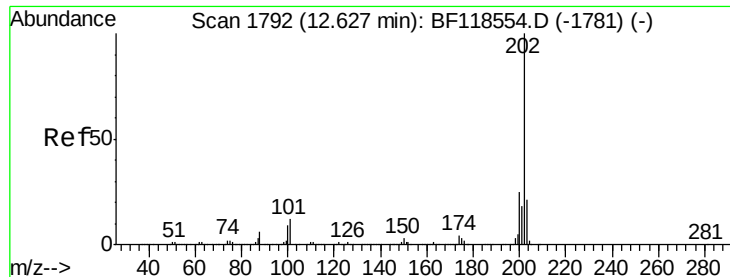


#74
 Di-n-butylphthalate
 Concen: 47.130 ng
 RT: 11.97 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: BF118568.D
 Acq: 17 Jan 2020 19:59

Tgt Ion:149 Resp: 3527888

Ion	Ratio	Lower	Upper
149	100		
150	11.6	9.0	13.6
104	6.1	5.0	7.4





#75

Fluoranthene

Concen: 50.517 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

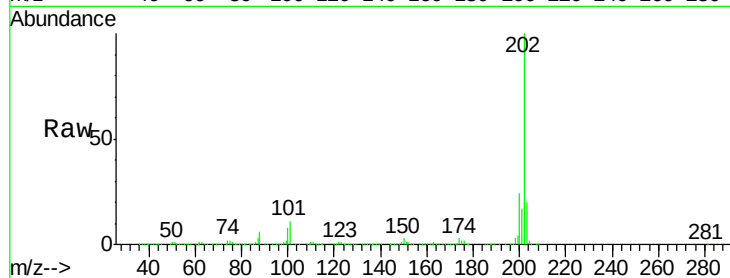
ClientSampleId :

HR-05-011420MS

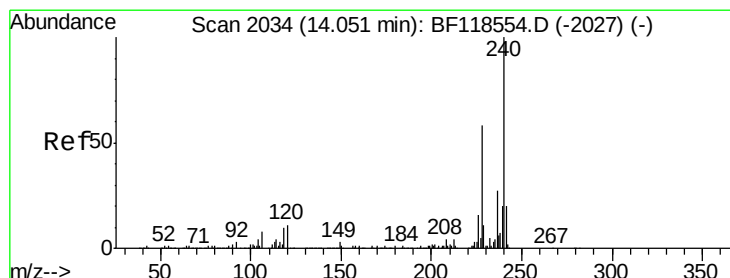
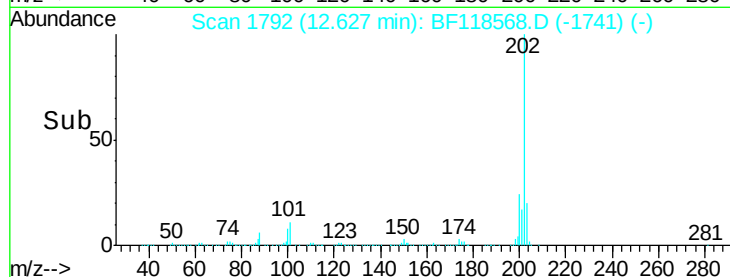
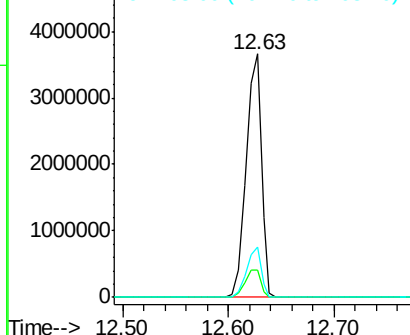
Tot Ion:	202	Resp:	3636672
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.9
203	20.4	0.9	40.9

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM



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

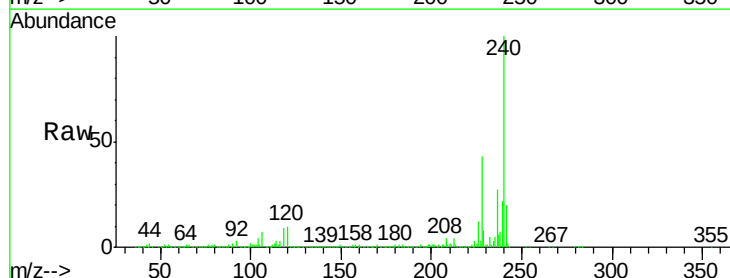
RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

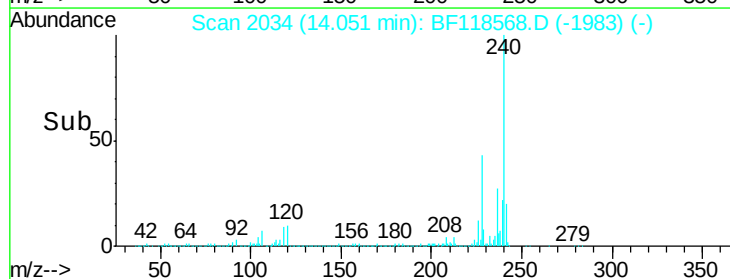
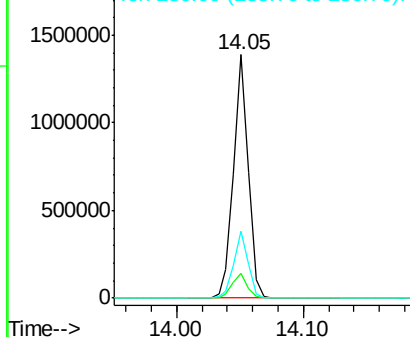
Lab File: BF118568.D

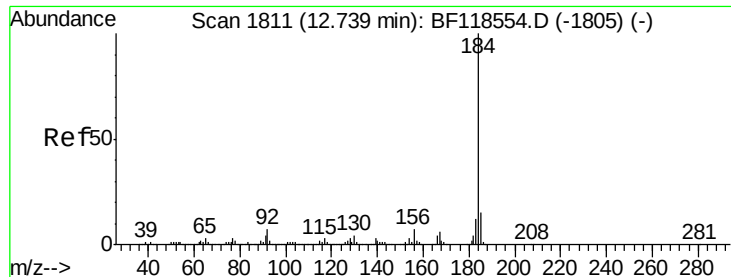
Acq: 17 Jan 2020 19:59

Tgt Ion:	240	Resp:	1104596
Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.7	13.1
236	27.5	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: 0.951 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

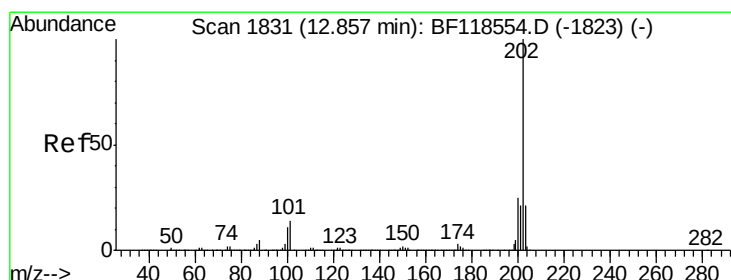
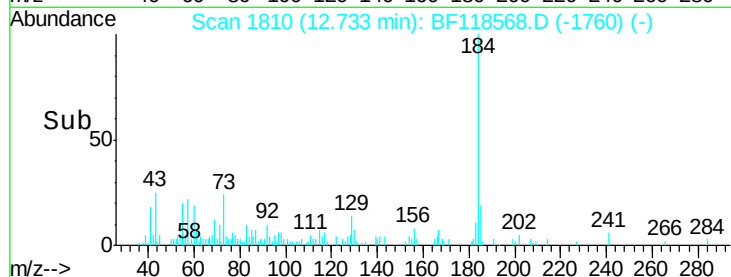
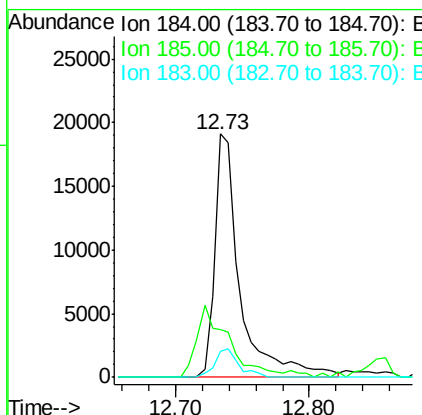
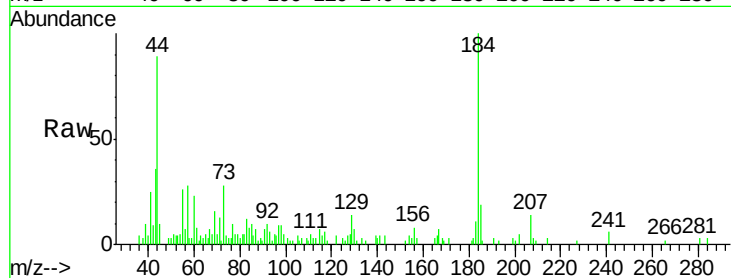
ClientSampleId :

HR-05-011420MS

Tot Ion	Ion	Ratio	Lower	Upper
184	100			
185	19.4	12.3	18.5	
183	10.6	9.5	14.3	

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM



#78

Pyrene

Concen: 44.407 ng

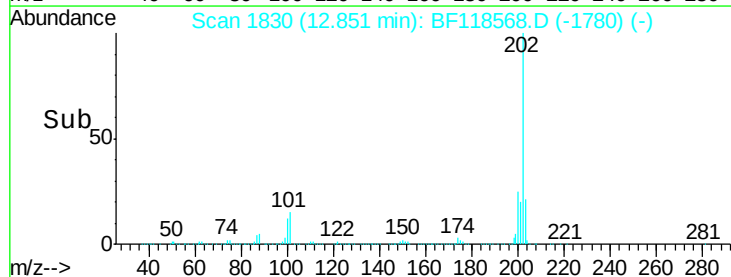
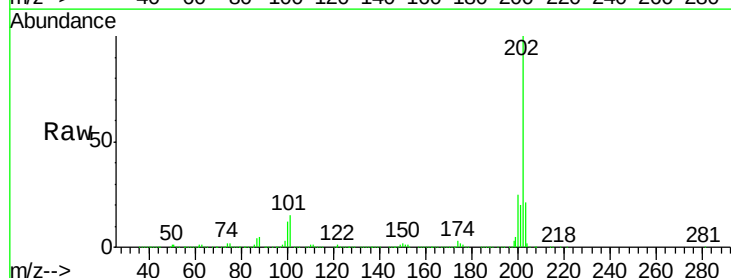
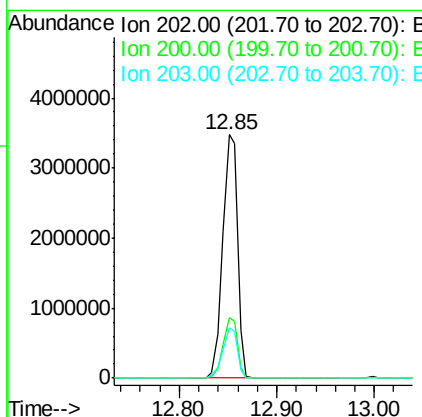
RT: 12.85 min Scan# 1830

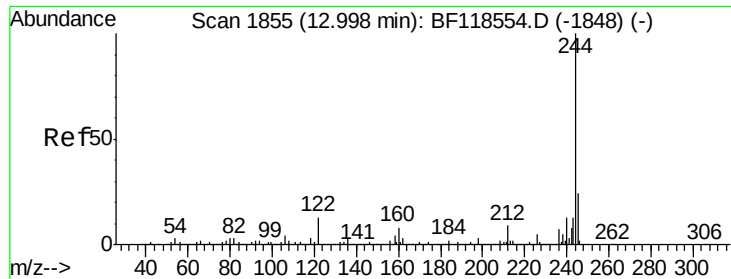
Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	24.9	20.2	30.4	
203	20.6	16.6	25.0	





#79

Terphenyl-d14

Concen: 90.100 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:244 Resp: 5039362

Ion Ratio Lower Upper

244 100

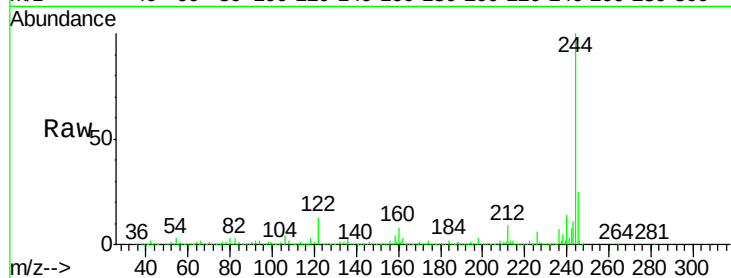
212 9.0 7.0 10.4

122 13.0 10.4 15.6

Manual Integrations
APPROVED

mohammad

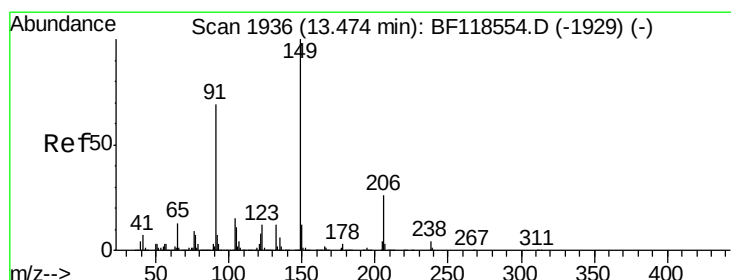
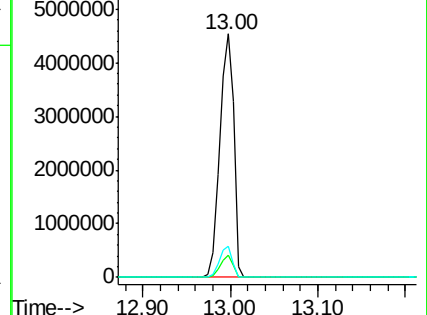
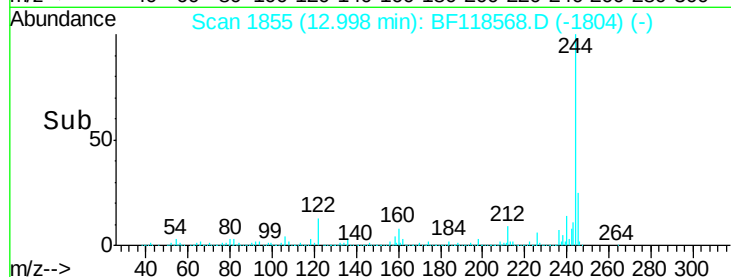
1/21/2020 7:58:37 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.995 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

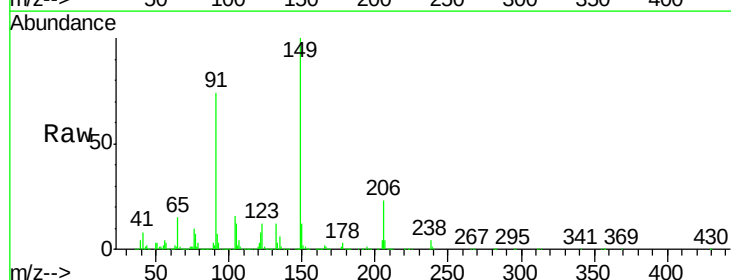
Tgt Ion:149 Resp: 1625460

Ion Ratio Lower Upper

149 100

91 74.4 55.5 83.3

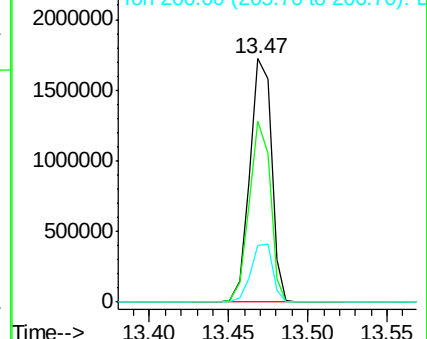
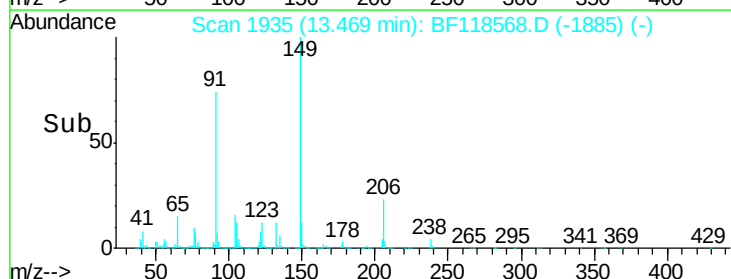
206 23.4 20.7 31.1

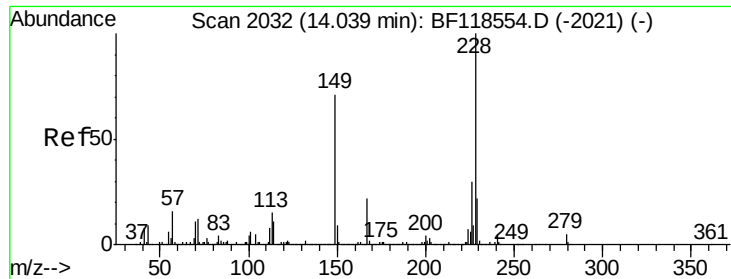


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





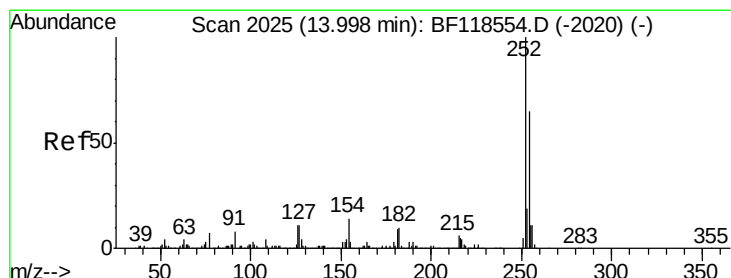
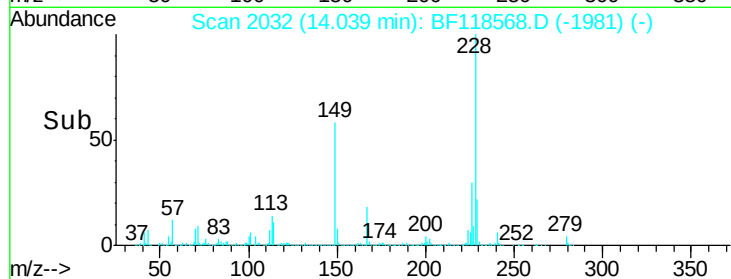
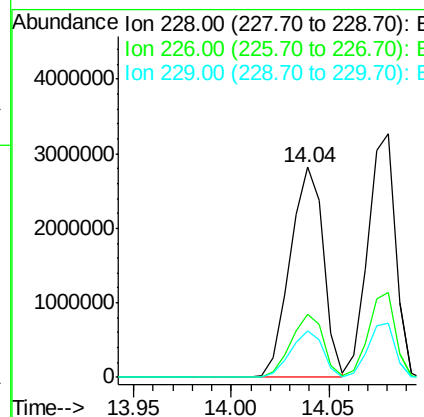
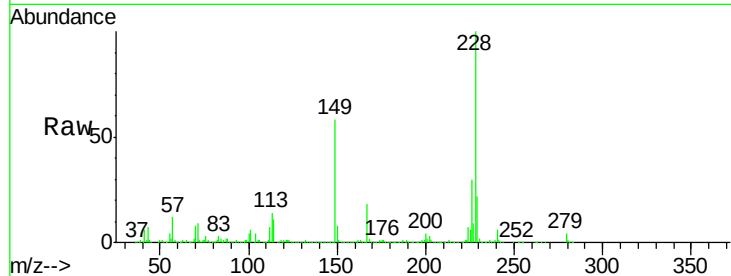
#81
Benzo(a)anthracene
Concen: 47.715 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	22.0	17.3	25.9

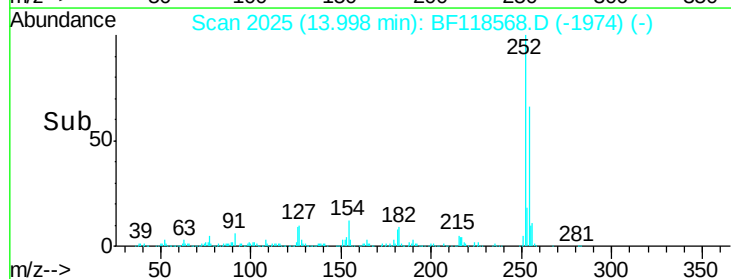
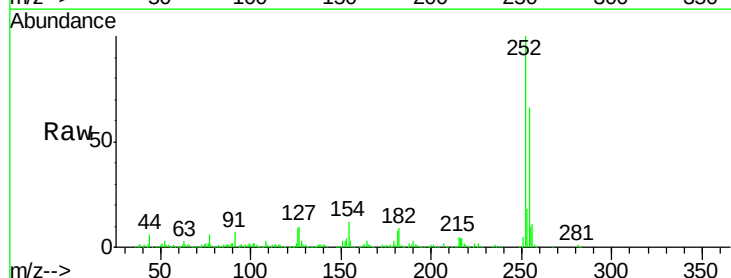
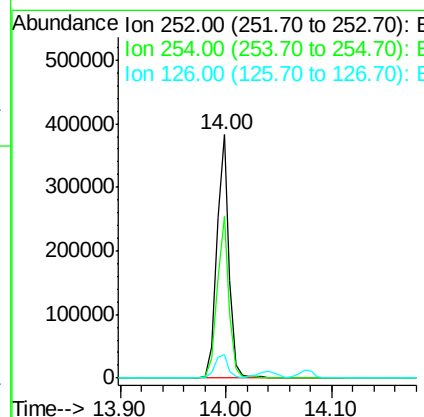
Manual Integrations
APPROVED

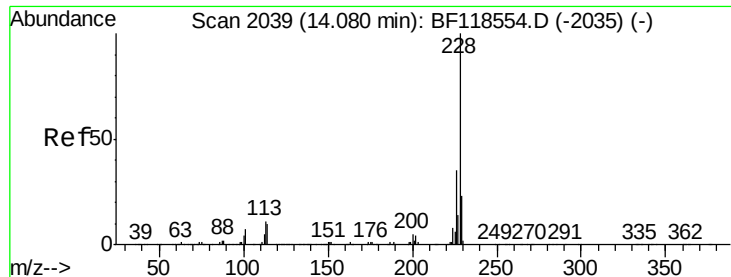
mohammad
1/21/2020 7:58:37 AM



#82
3,3'-Dichlorobenzidine
Concen: 12.729 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.3	52.0	78.0
126	9.4	9.1	13.7





#83

Chrysene

Concen: 48.195 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:228 Resp: 3232187

Ion Ratio Lower Upper

228 100

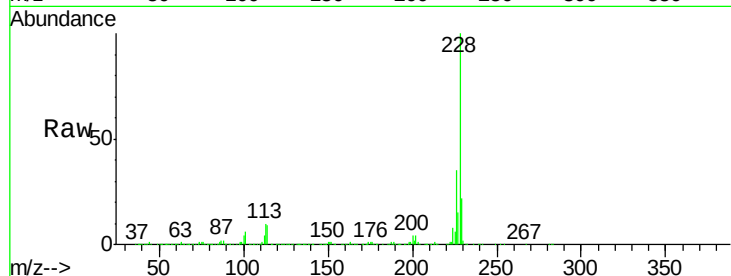
226 34.8 28.2 42.2

229 22.5 18.2 27.2

Manual Integrations
APPROVED

mohammad

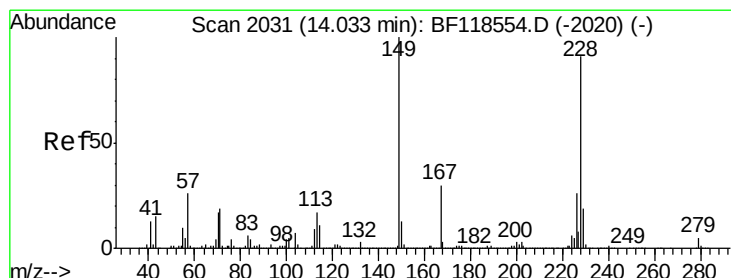
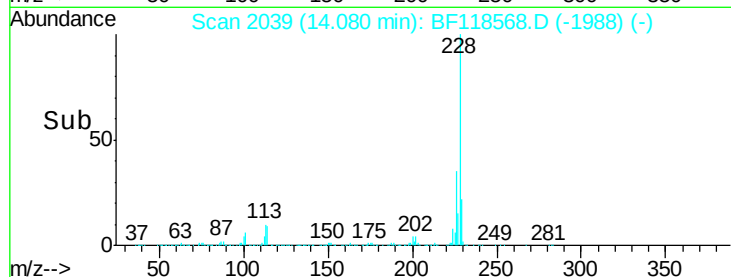
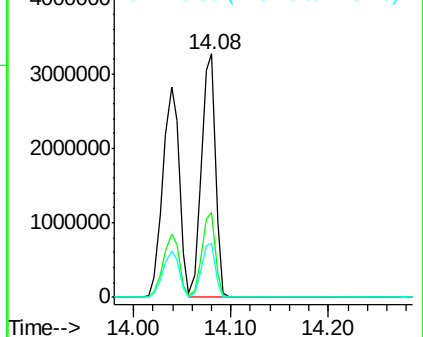
1/21/2020 7:58:37 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.959 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

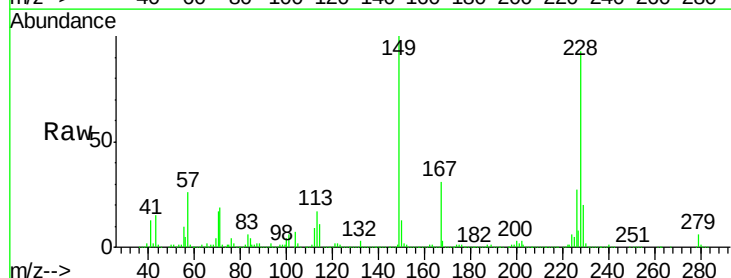
Tgt Ion:149 Resp: 2147552

Ion Ratio Lower Upper

149 100

167 30.5 23.9 35.9

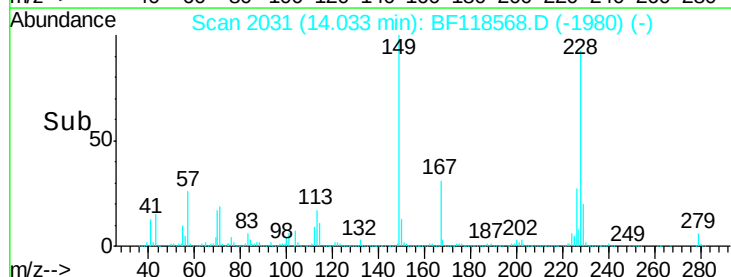
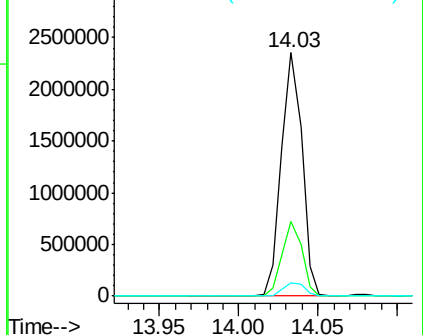
279 5.7 4.2 6.2

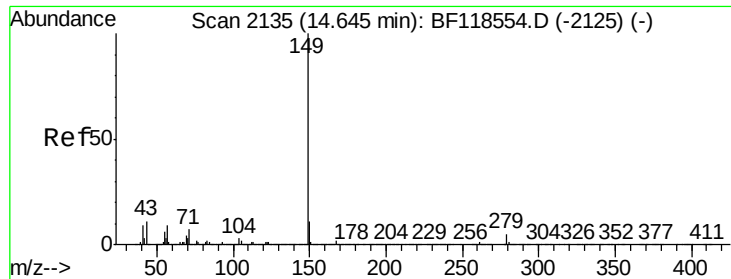


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





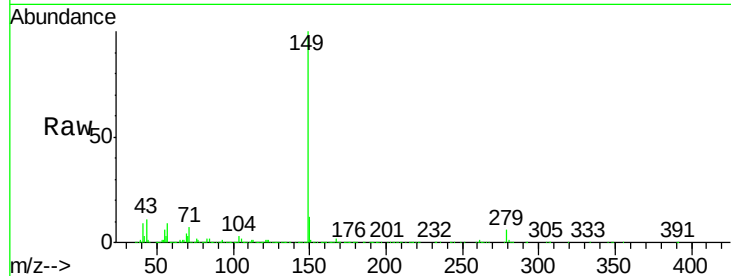
#85
Di-n-octyl phthalate
Concen: 53.385 ng
RT: 14.64 min Scan# 2135
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

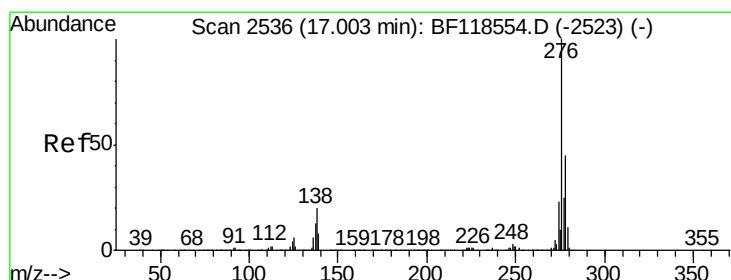
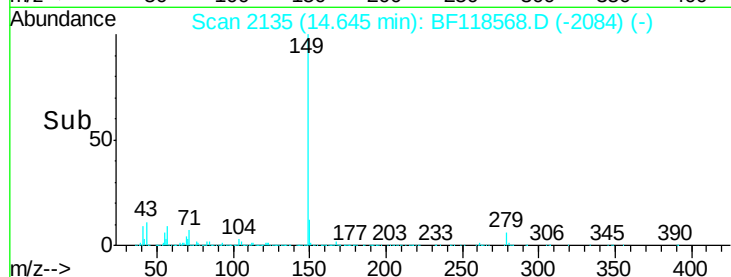
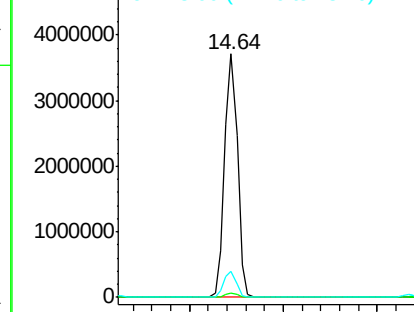
Tot Ion:149 Resp: 3585907
Ion Ratio Lower Upper
149 100
167 1.8 1.4 2.2
43 10.5 8.9 13.3

Manual Integrations
APPROVED

mohammad
1/21/2020 7:58:37 AM

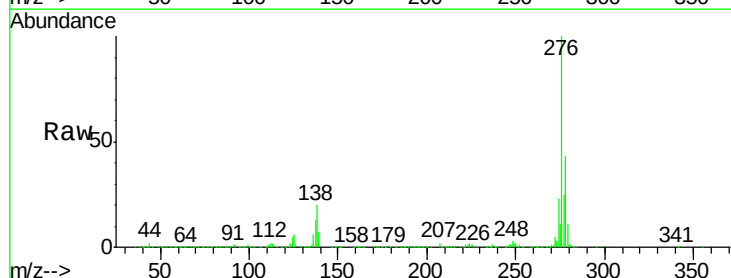


Abundance Ion 149.00 (148.70 to 149.70): E
5000000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

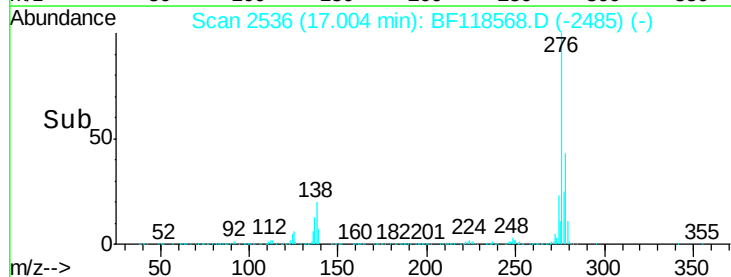
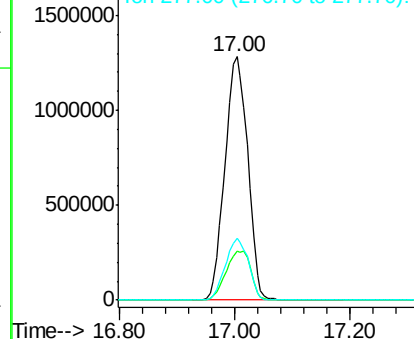


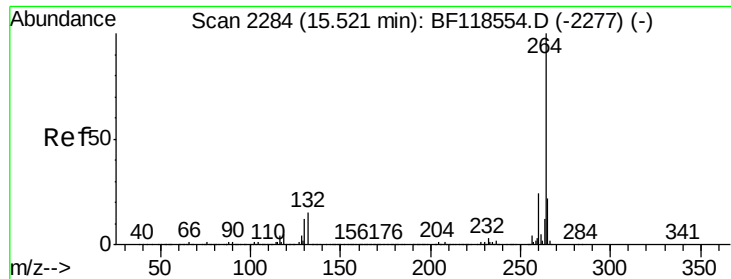
#86
Indeno(1,2,3-cd)pyrene
Concen: 53.276 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion:276 Resp: 3515985
Ion Ratio Lower Upper
276 100
138 21.9 17.3 25.9
277 25.8 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# 2284
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

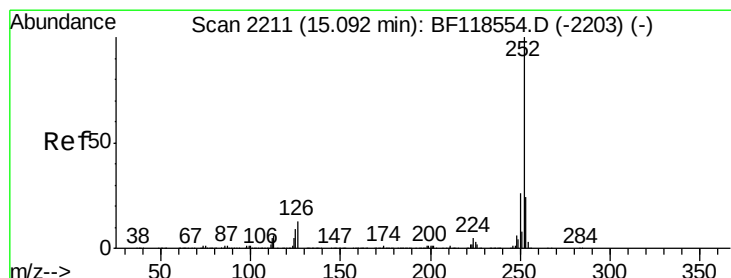
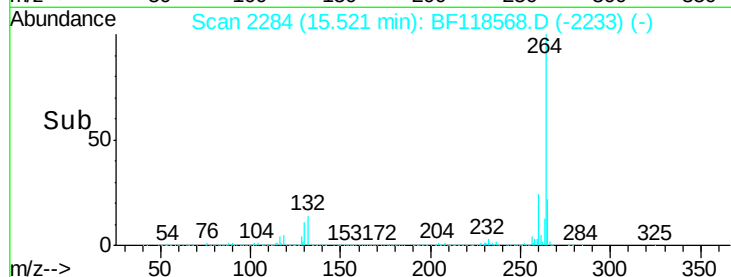
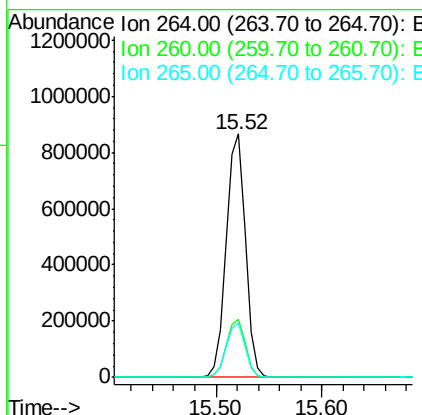
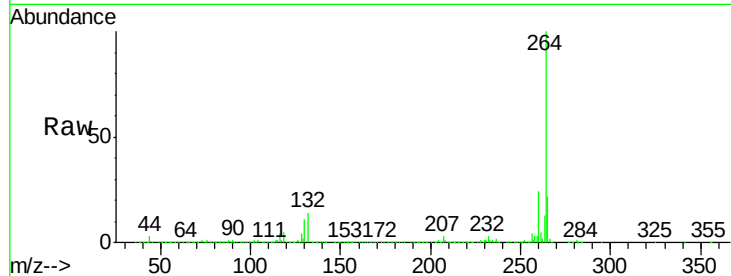
Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion:264 Resp: 1087922

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	22.1	17.6	26.4

Manual Integrations
APPROVED

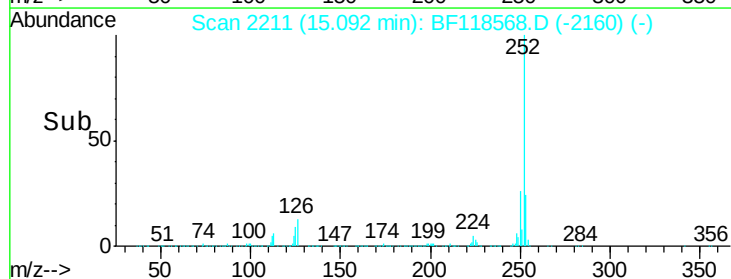
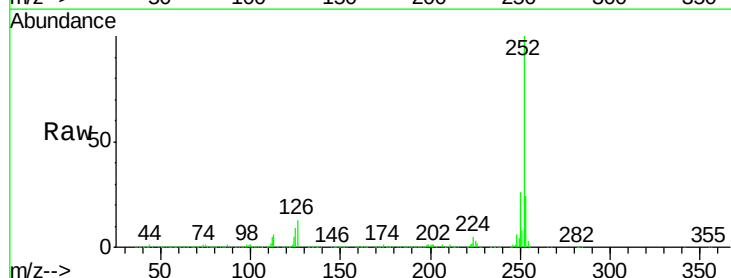
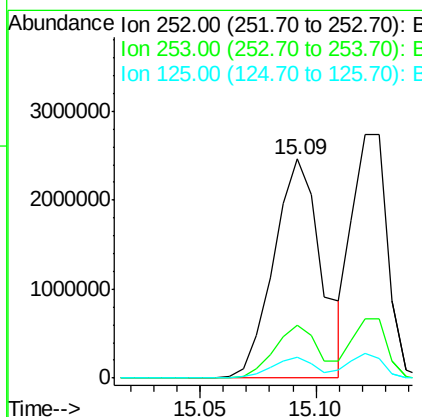
mohammad
1/21/2020 7:58:37 AM

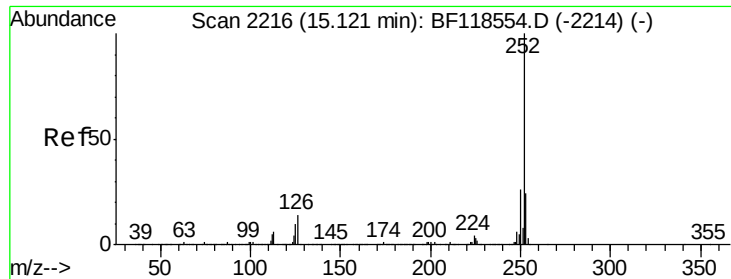


#88
Benzo(b)fluoranthene
Concen: 49.861 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion:252 Resp: 3532994

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.1	28.7
125	9.4	7.5	11.3





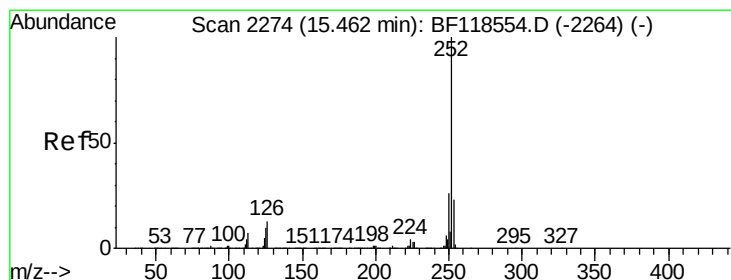
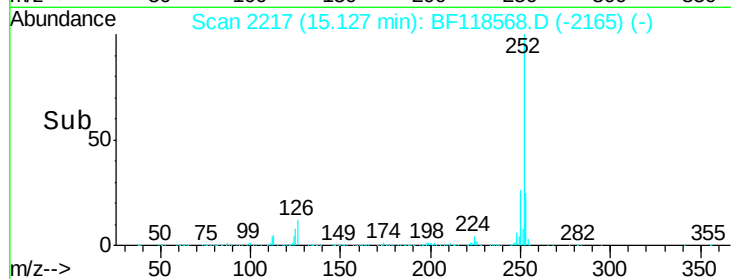
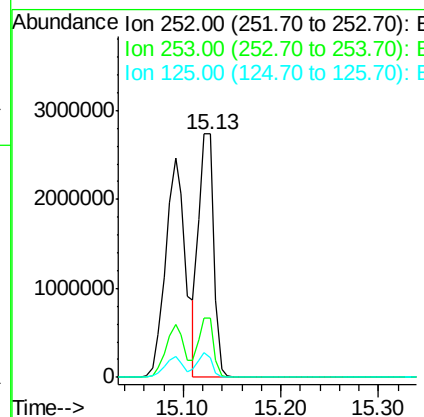
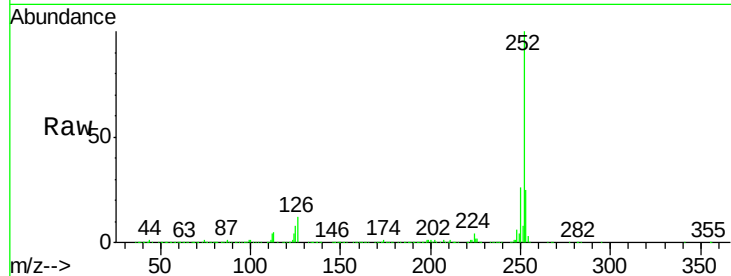
#89
Benzo(k)fluoranthene
Concen: 45.600 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Instrument :
BNA_F
ClientSampleId :
HR-05-011420MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.4
125	8.3	7.8	11.8

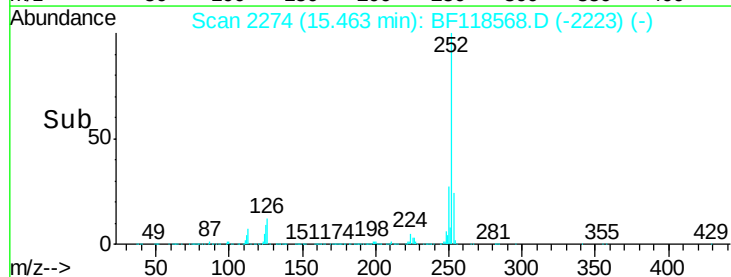
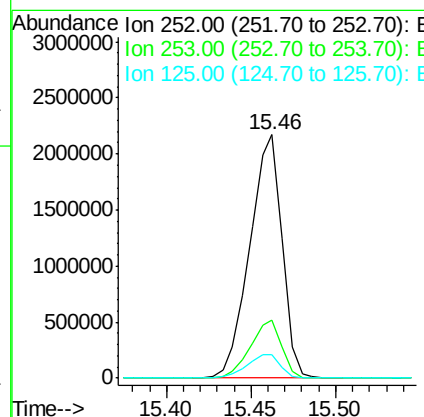
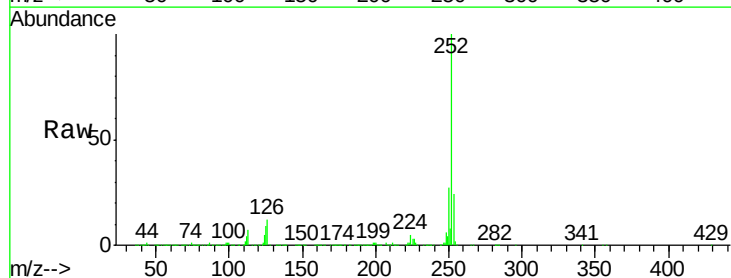
Manual Integrations
APPROVED

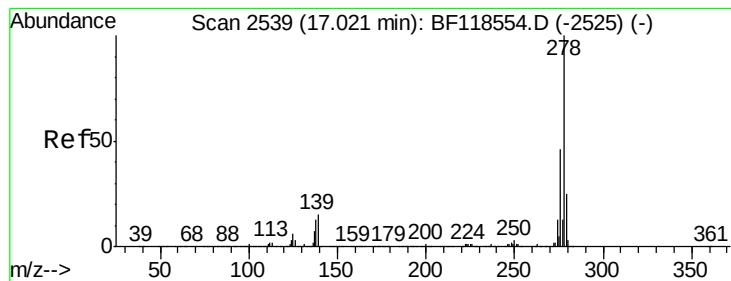
mohammad
1/21/2020 7:58:37 AM



#90
Benzo(a)pyrene
Concen: 46.883 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF118568.D
Acq: 17 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	9.5	7.8	11.6





#91

Dibenzo(a,h)anthracene

Concen: 50.832 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.00 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

Instrument :

BNA_F

ClientSampleId :

HR-05-011420MS

Tot Ion:278 Resp: 2927128

Ion Ratio Lower Upper

278 100

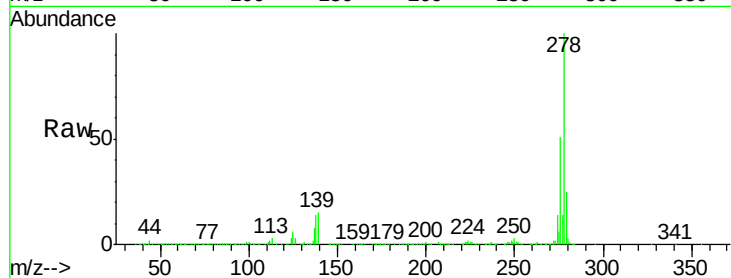
139 14.8 11.7 17.5

279 25.1 20.0 30.0

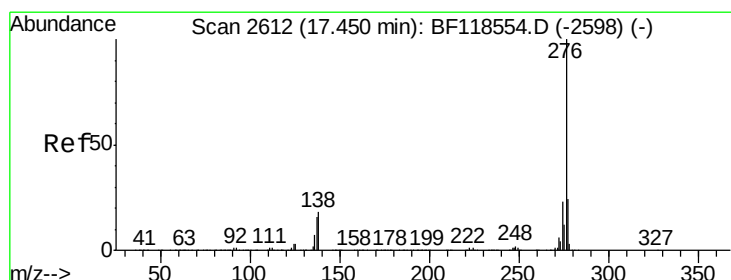
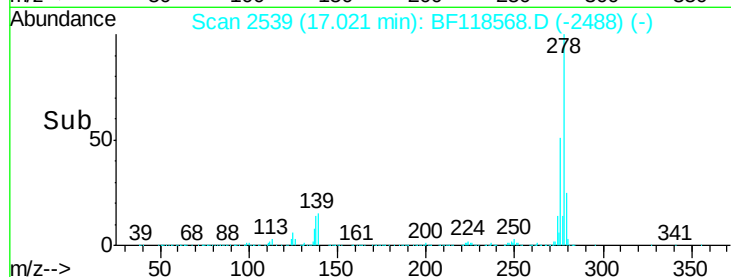
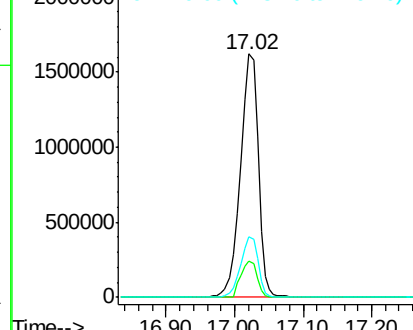
Manual Integrations
APPROVED

mohammad

1/21/2020 7:58:37 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: 52.480 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.01 min

Lab File: BF118568.D

Acq: 17 Jan 2020 19:59

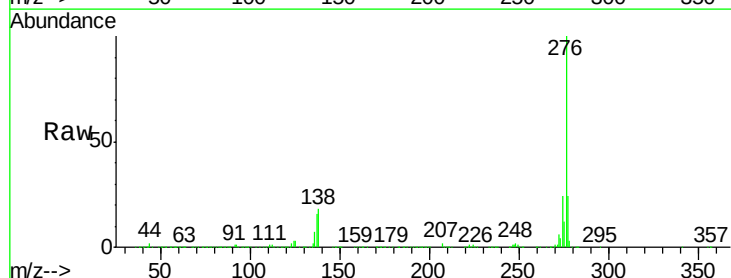
Tgt Ion:276 Resp: 2919112

Ion Ratio Lower Upper

276 100

277 24.4 19.1 28.7

138 18.4 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

