

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
 Data File : BF120382.D
 Acq On : 21 May 2020 15:46
 Operator : MA/SJ
 Sample : L2722-03MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Manual Integrations
 APPROVED

mohammad
 5/22/2020 2:55:45 PM

Quant Time: May 21 16:42:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 14:56:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	229629	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	899098	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	449410	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	815463	20.00	ng	0.00
76) Chrysene-d12	13.76	240	571726	20.00	ng	0.00
87) Perylene-d12	15.13	264	520503	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1423359	120.60	ng	0.02
7) Phenol-d6	6.26	99	1873085	125.50	ng	0.00
23) Nitrobenzene-d5	7.16	82	1249261	95.13	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	421549	115.04	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2280460	104.25	ng	0.00
79) Terphenyl-d14	12.70	244	2320385	89.66	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.28	88	306459	65.278	ng	98
3) Pyridine	2.93	79	683183	46.294	ng	95
4) n-Nitrosodimethylamine	2.90	42	360705	62.422	ng	93
6) Aniline	6.26	93	547567	28.688	ng	# 74
8) 2-Chlorophenol	6.38	128	724133	52.624	ng	98
9) Benzaldehyde	6.14	77	430404	46.781	ng	96
10) Phenol	6.27	94	901143	51.724	ng	# 75
11) bis(2-Chloroethyl)ether	6.33	93	657269	47.229	ng	97
12) 1,3-Dichlorobenzene	6.53	146	698883	47.464	ng	98
13) 1,4-Dichlorobenzene	6.60	146	734804	48.453	ng	98
14) 1,2-Dichlorobenzene	6.76	146	649267	47.542	ng	99
15) Benzyl Alcohol	6.75	79	551464	52.011	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.87	45	1103772	50.328	ng	68
17) 2-Methylphenol	6.87	107	562491	48.422	ng	94
18) Hexachloroethane	7.10	117	271479	46.990	ng	97
19) n-Nitroso-di-n-propylamine	7.02	70	477605	48.847	ng	92
20) 3+4-Methylphenols	7.03	107	725890	48.062	ng	96
22) Acetophenone	7.01	105	964740	52.377	ng	96
24) Nitrobenzene	7.18	77	730937	51.719	ng	97
25) Isophorone	7.43	82	1328444	48.619	ng	100
26) 2-Nitrophenol	7.50	139	389581	52.707	ng	93
27) 2,4-Dimethylphenol	7.55	122	598792	55.691	ng	94
28) bis(2-Chloroethoxy)methane	7.64	93	867565	50.516	ng	98
29) 2,4-Dichlorophenol	7.75	162	567967	51.433	ng	96
30) 1,2,4-Trichlorobenzene	7.82	180	616427	50.373	ng	99
31) Naphthalene	7.90	128	2001576	52.748	ng	100
32) Benzoic acid	7.72	122	309279	43.883	ng	98
33) 4-Chloroaniline	7.96	127	327505	18.939	ng	97
34) Hexachlorobutadiene	8.02	225	340392	48.125	ng	96
35) Caprolactam	8.35	113	176170m	48.764	ng	
36) 4-Chloro-3-methylphenol	8.46	107	607490	50.853	ng	100
37) 2-Methylnaphthalene	8.59	142	1316488	50.698	ng	99
38) 1-Methylnaphthalene	8.69	142	1271464	50.484	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.76	216	590181	52.081	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
 Data File : BF120382.D
 Acq On : 21 May 2020 15:46
 Operator : MA/SJ
 Sample : L2722-03MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 COMP-3MS

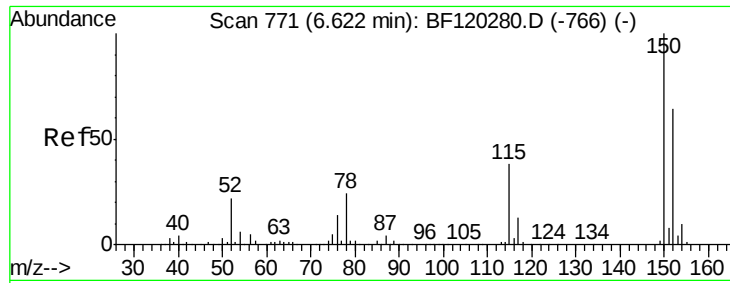
Manual Integrations
 APPROVED

mohammad
 5/22/2020 2:55:45 PM

Quant Time: May 21 16:42:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 14:56:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.74	237	443903	93.723	nq	98
43) 2,4,6-Trichlorophenol	8.88	196	374728	49.264	nq	99
44) 2,4,5-Trichlorophenol	8.93	196	395118	45.231	nq	99
46) 1,1'-Biphenyl	9.06	154	1598564	54.288	nq	99
47) 2-Chloronaphthalene	9.08	162	1197623	50.704	nq	97
48) 2-Nitroaniline	9.19	65	440101	51.067	nq	96
49) Acenaphthylene	9.49	152	1916134	53.107	nq	99
50) Dimethylphthalate	9.37	163	1677119	59.034	nq	99
51) 2,6-Dinitrotoluene	9.43	165	305694	48.212	nq	90
52) Acenaphthene	9.66	154	1118806	51.732	nq	99
53) 3-Nitroaniline	9.60	138	172826	22.857	nq	99
54) 2,4-Dinitrophenol	9.72	184	283375	94.679	nq	97
55) Dibenzofuran	9.84	168	1642058	52.725	nq	99
56) 4-Nitrophenol	9.80	139	353591	87.030	nq	94
57) 2,4-Dinitrotoluene	9.84	165	373453	50.210	nq	98
58) Fluorene	10.18	166	1265973	53.375	nq	99
59) 2,3,4,6-Tetrachlorophenol	9.96	232	324787	49.404	nq	99
60) Diethylphthalate	10.06	149	1378665	50.267	nq	99
61) 4-Chlorophenyl-phenylether	10.17	204	606932	49.217	nq	95
62) 4-Nitroaniline	10.22	138	324082	46.028	nq	100
63) Azobenzene	10.33	77	1323805	51.069	nq	96
65) 4,6-Dinitro-2-methylphenol	10.25	198	219197	53.151	nq	98
66) n-Nitrosodiphenylamine	10.30	169	1160921	51.458	nq	99
67) 4-Bromophenyl-phenylether	10.66	248	365932	46.244	nq	95
68) Hexachlorobenzene	10.73	284	397242	47.986	nq	96
69) Atrazine	10.83	200	302383	44.793	nq	99
70) Pentachlorophenol	10.93	266	295500	83.928	nq	99
71) Phenanthrene	11.14	178	1773747	51.764	nq	99
72) Anthracene	11.19	178	1934136	52.726	nq	99
73) Carbazole	11.35	167	1757667	51.282	nq	99
74) Di-n-butylphthalate	11.69	149	2081175	50.382	nq	98
75) Fluoranthene	12.32	202	1989011	54.156	nq	99
77) Benzidine	12.46	184	897661	53.767	nq	96
78) Pyrene	12.55	202	2017909	49.509	nq	99
80) Butylbenzylphthalate	13.17	149	874885	45.585	nq	97
81) Benzo(a)anthracene	13.74	228	1526294	50.615	nq	98
82) 3,3'-Dichlorobenzidine	13.71	252	360649	31.737	nq	98
83) Chrysene	13.78	228	1554647	48.012	nq	100
84) Bis(2-ethylhexyl)phthalate	13.74	149	1052972	44.097	nq	98
85) Di-n-octyl phthalate	14.35	149	1934743	45.039	nq	99
86) Indeno(1,2,3-cd)pyrene	16.45	276	1364222	46.420	nq	97
88) Benzo(b)fluoranthene	14.76	252	1492223	52.495	nq	97
89) Benzo(k)fluoranthene	14.78	252	1277412	51.869	nq	100
90) Benzo(a)pyrene	15.08	252	1244083	48.801	nq	99
91) Dibenzo(a,h)anthracene	16.46	278	1128212	49.956	nq	99
92) Benzo(g,h,i)perylene	16.84	276	1132053	49.708	nq	98

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



#1

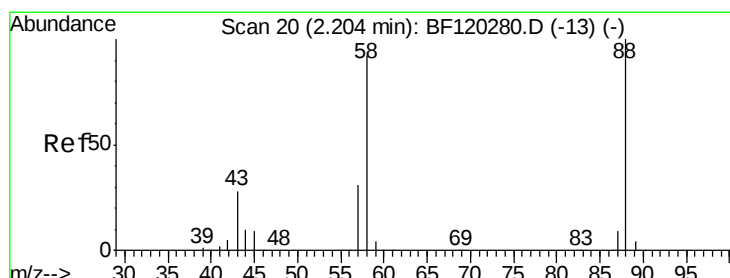
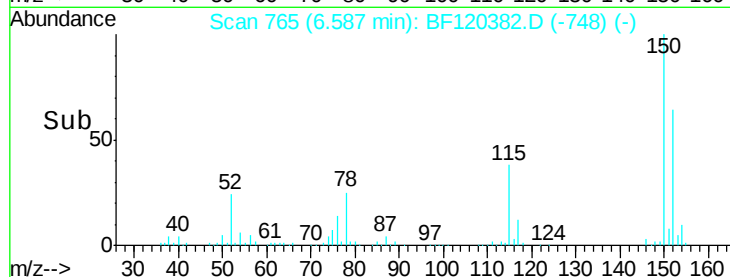
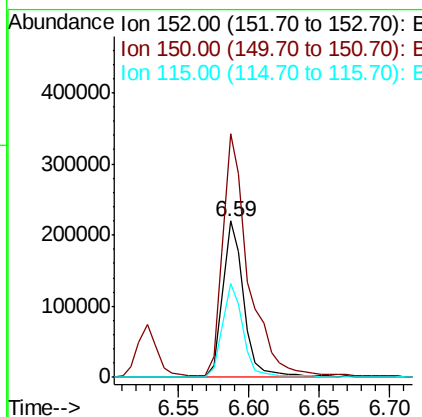
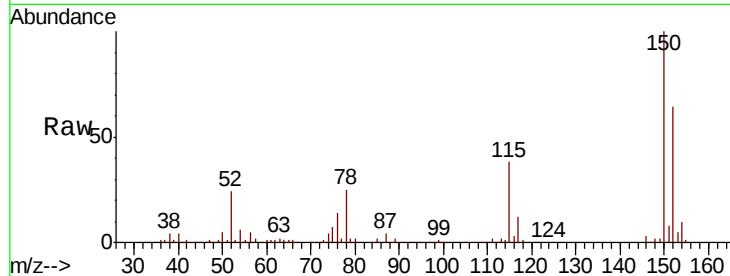
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	59.6	47.9	71.9

Manual Integrations
APPROVED

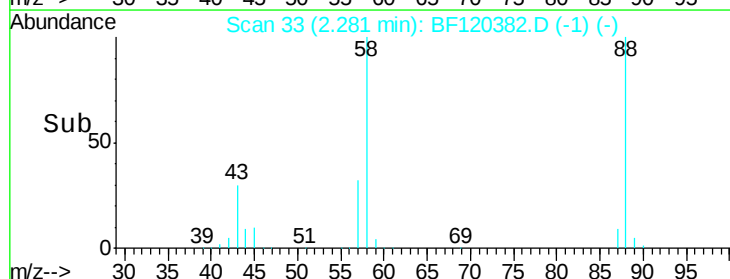
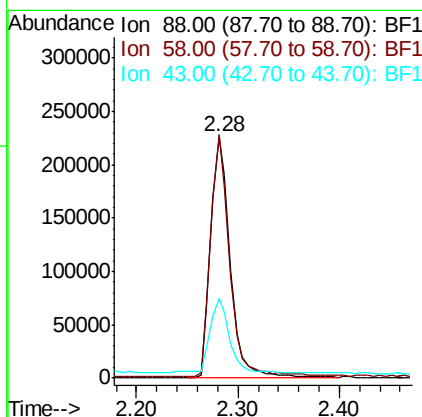
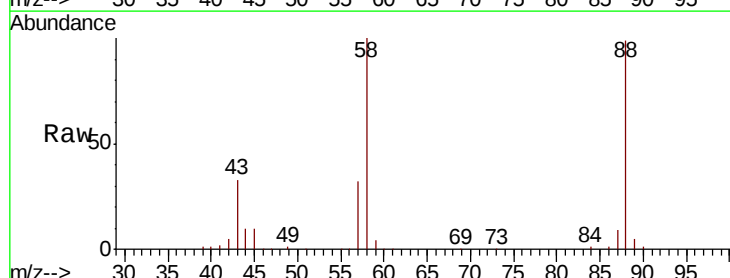
mohammad
5/22/2020 2:55:45 PM

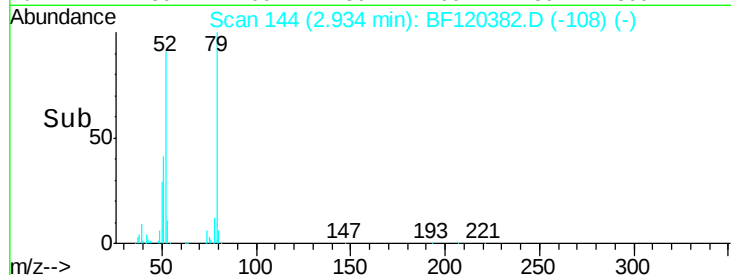
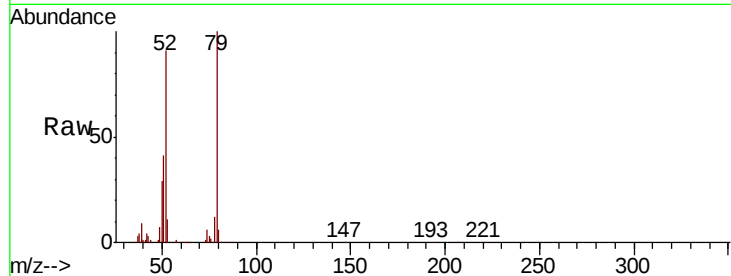
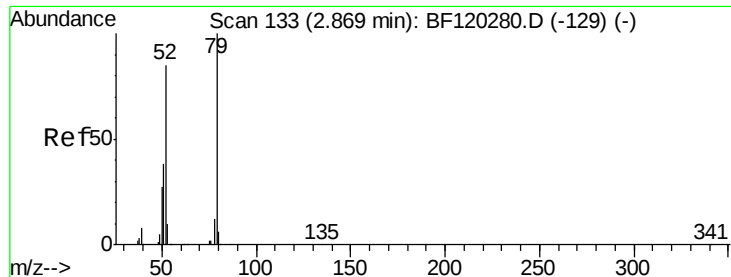


#2

1,4-Dioxane
Concen: 65.278 ng
RT: 2.28 min Scan# 33
Delta R.T. 0.11 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	96.1	75.8	113.6
43	30.6	23.6	35.4





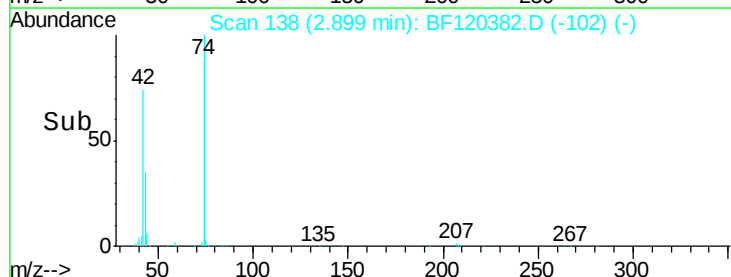
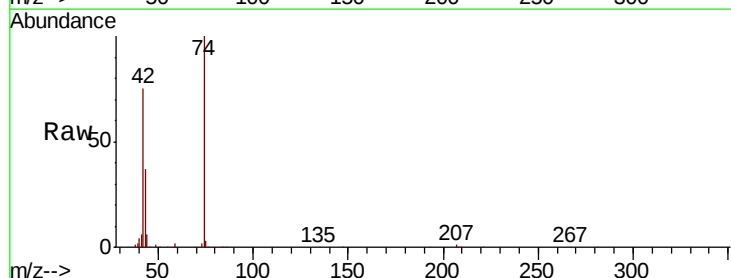
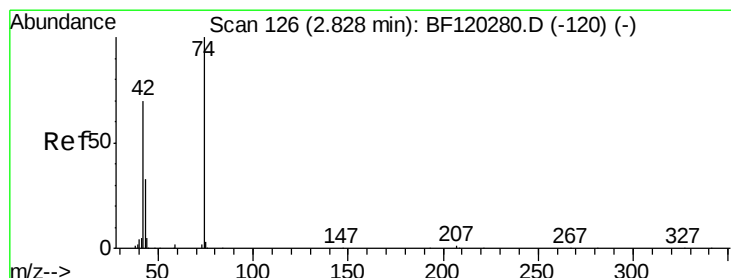
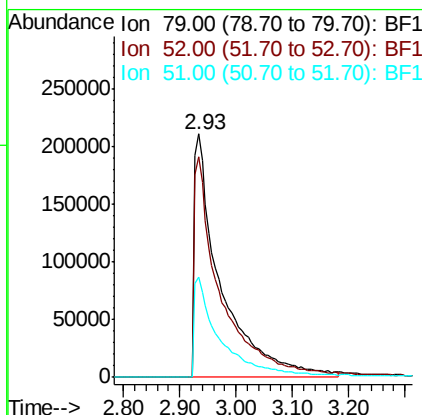
#3
Pvridine
Concen: 46.294 ng
RT: 2.93 min Scan# 144
Delta R.T. 0.11 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tot Ion	Ratio	Lower	Upper
79	100		
52	90.6	68.4	102.6
51	41.3	31.0	46.4

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

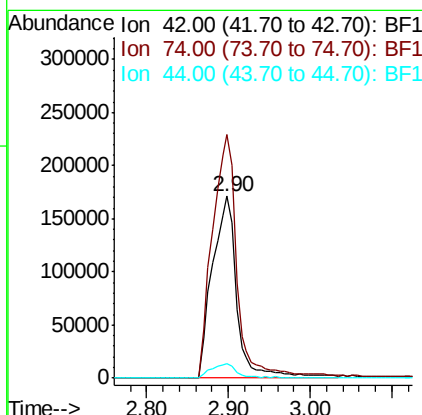
Manual Integrations
APPROVED

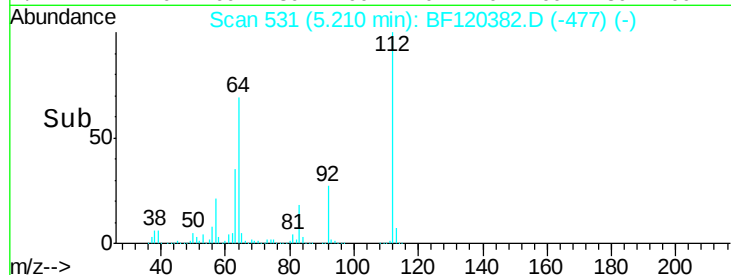
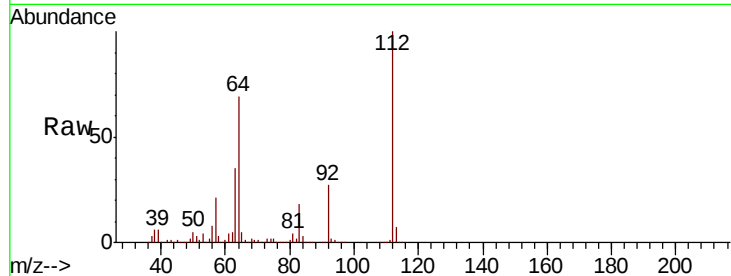
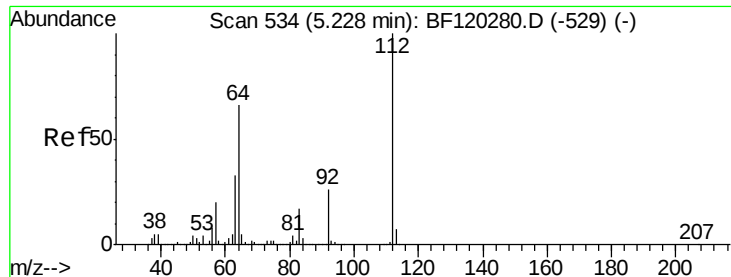
mohammad
5/22/2020 2:55:45 PM



#4
n-Nitrosodimethylamine
Concen: 62.422 ng
RT: 2.90 min Scan# 138
Delta R.T. 0.11 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
42	100		
74	134.0	114.8	172.2
44	7.9	5.6	8.4





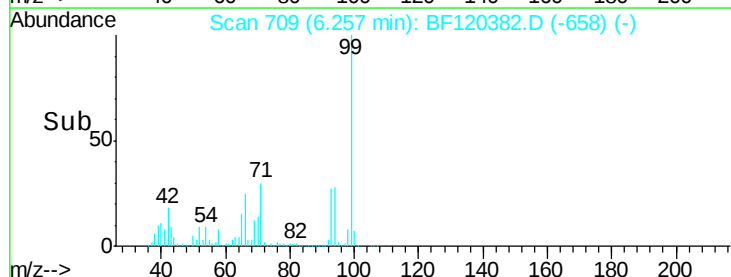
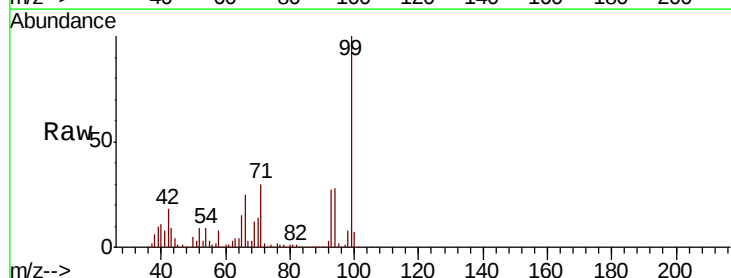
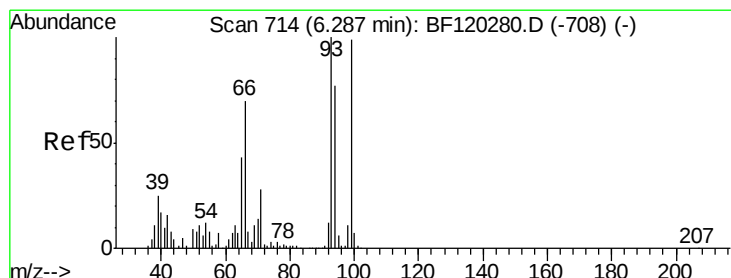
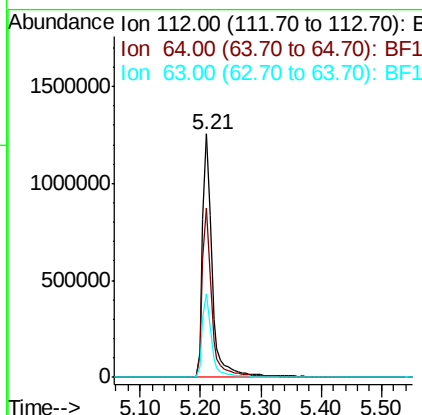
#5
2-Fluorophenol
Concen: 120.605 ng
RT: 5.21 min Scan# 531
Delta R.T. 0.02 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tot Ion	Ratio	Lower	Upper
112	100		
64	69.3	52.7	79.1
63	34.6	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

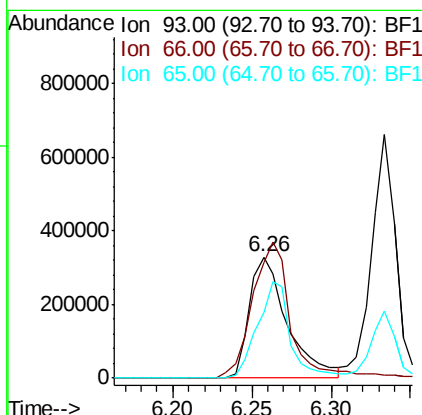
Manual Integrations
APPROVED

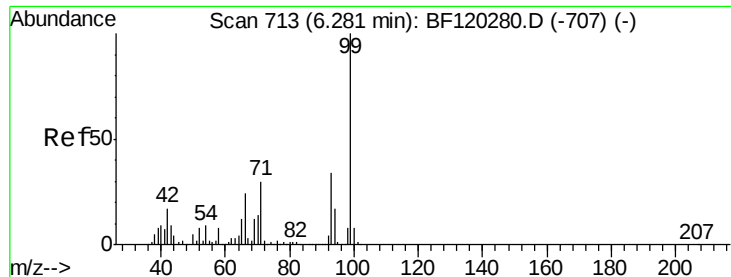
mohammad
5/22/2020 2:55:45 PM



#6
Aniline
Concen: 28.688 ng
RT: 6.26 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
93	100		
66	95.1	56.2	84.4#
65	54.3	34.2	51.2#





#7

Phenol-d6

Concen: 125.504 ng

RT: 6.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

ClientSampleId :

COMP-3MS

Tot Ion: 99 Resp: 1873085

Ion Ratio Lower Upper

99 100

42 17.9 13.6 20.4

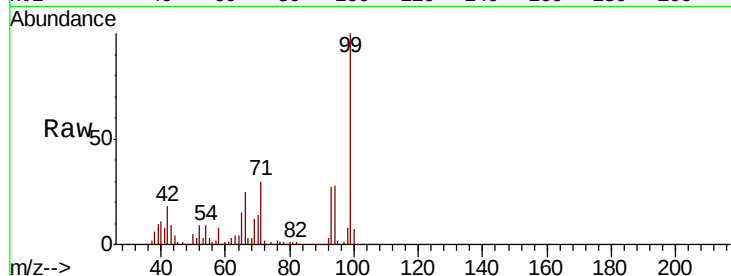
71 30.5 24.2 36.4

Manual Integrations

APPROVED

mohammad

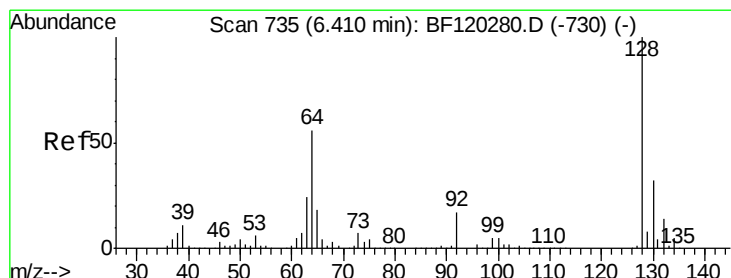
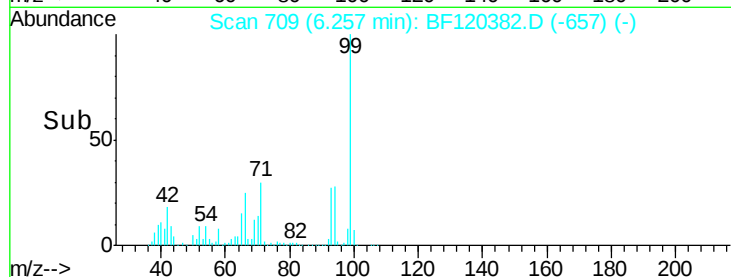
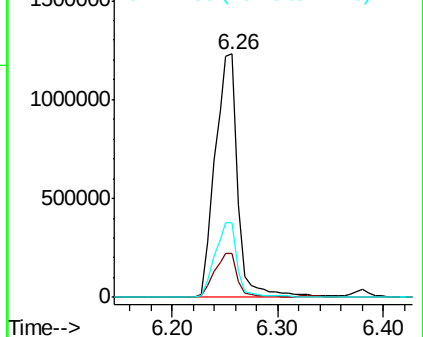
5/22/2020 2:55:45 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 52.624 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

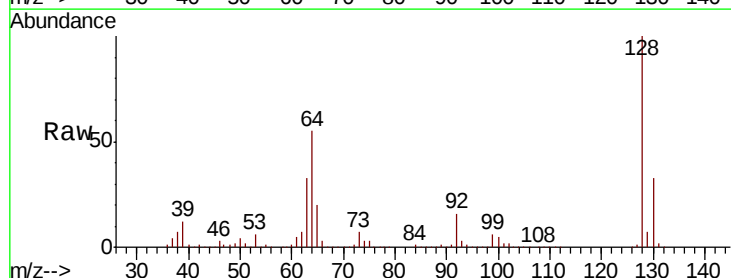
Tgt Ion:128 Resp: 724133

Ion Ratio Lower Upper

128 100

130 33.3 12.4 52.4

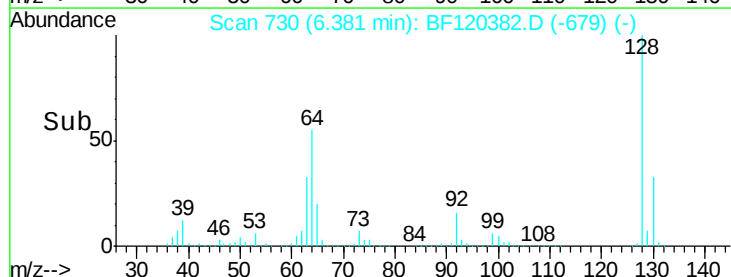
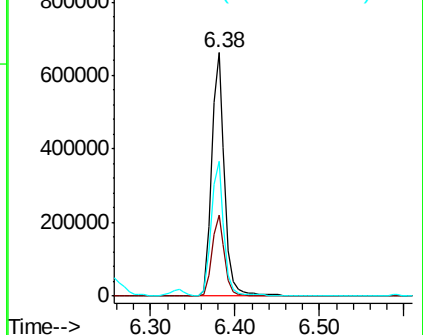
64 55.5 36.7 76.7

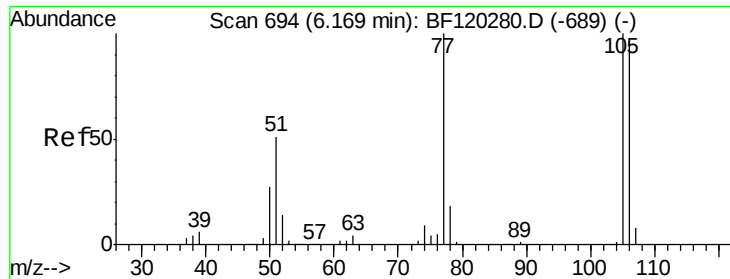


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





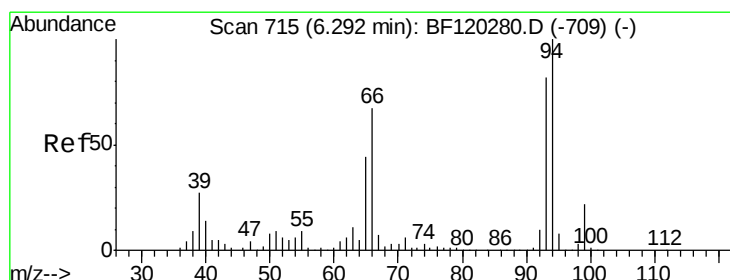
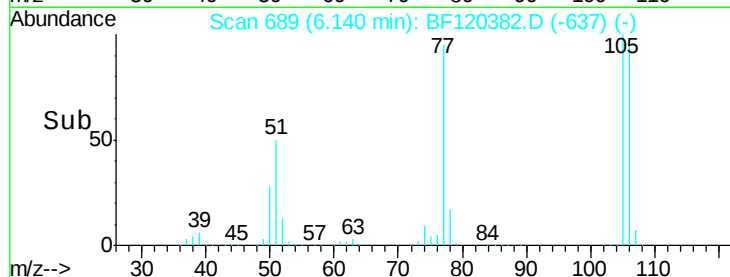
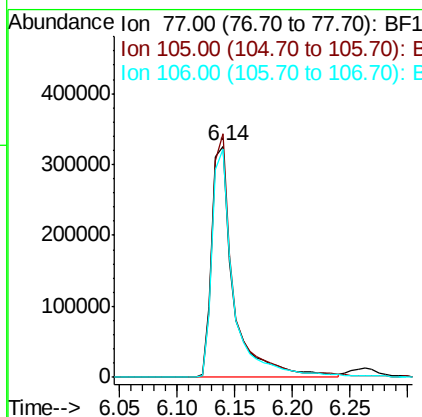
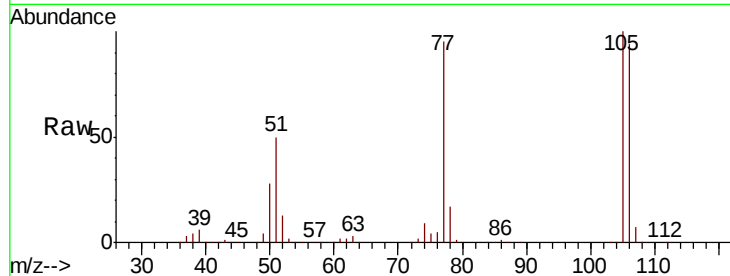
#9
Benzaldehyde
Concen: 46.781 ng
RT: 6.14 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	105.3	79.9	119.9
106	98.8	75.7	115.7

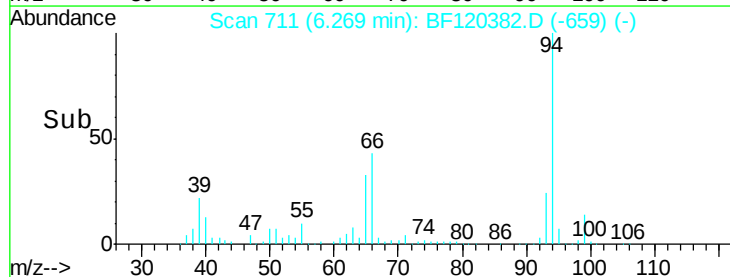
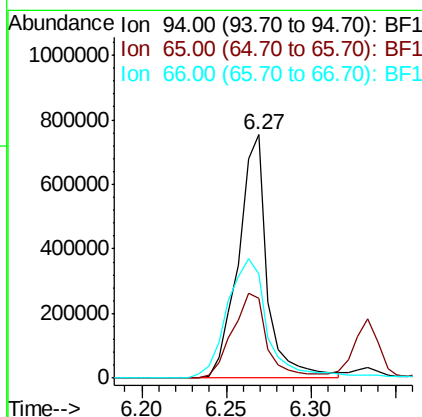
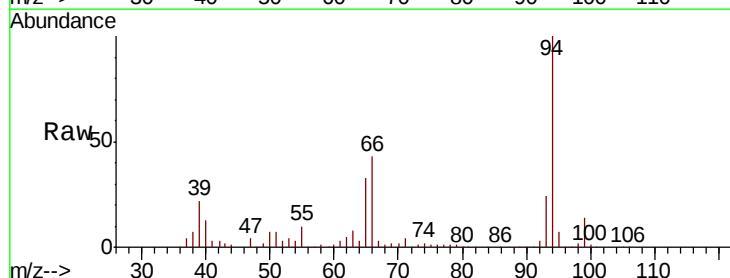
Manual Integrations
APPROVED

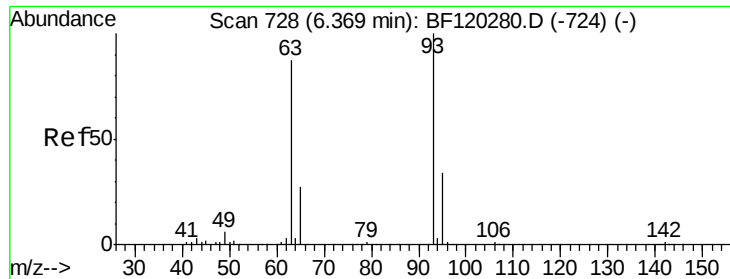
mohammad
5/22/2020 2:55:45 PM



#10
Phenol
Concen: 51.724 ng
RT: 6.27 min Scan# 711
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.9	24.1	64.1
66	42.8	47.5	87.5





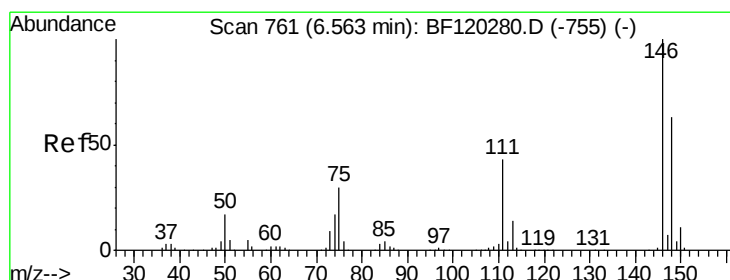
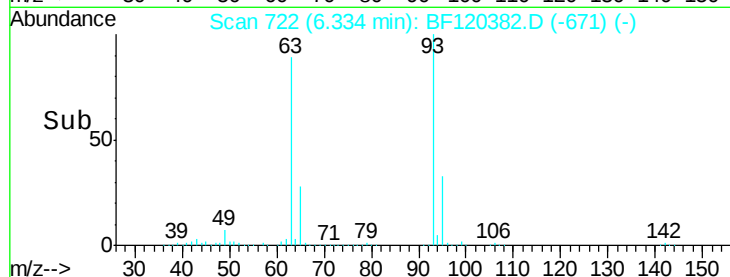
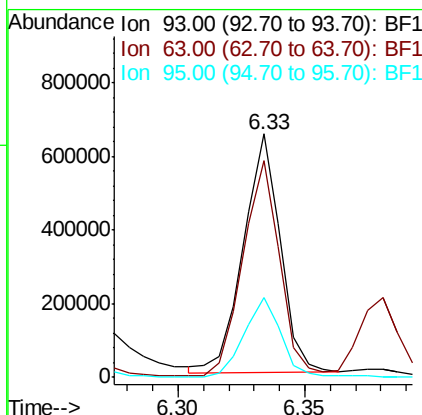
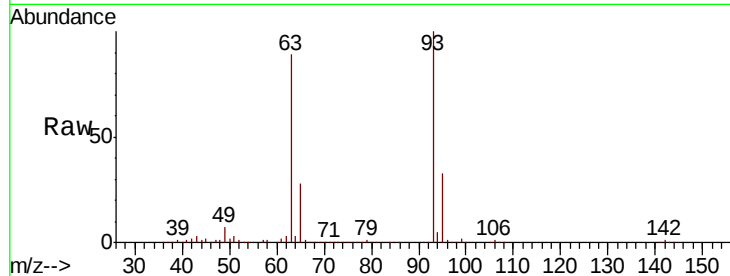
#11
bis(2-Chloroethyl)ether
Concen: 47.229 ng
RT: 6.33 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	88.9	65.4	105.4
95	32.8	12.9	52.9

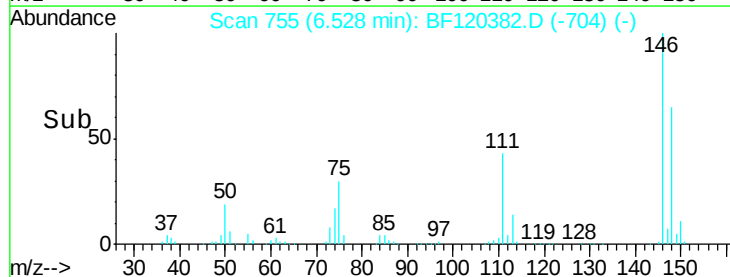
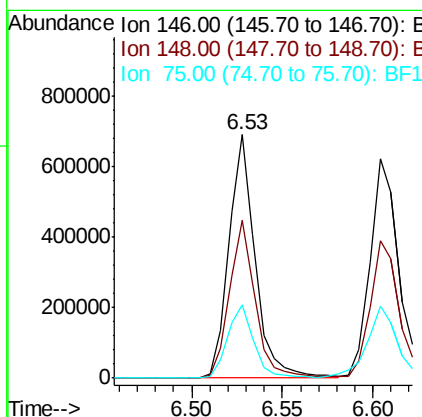
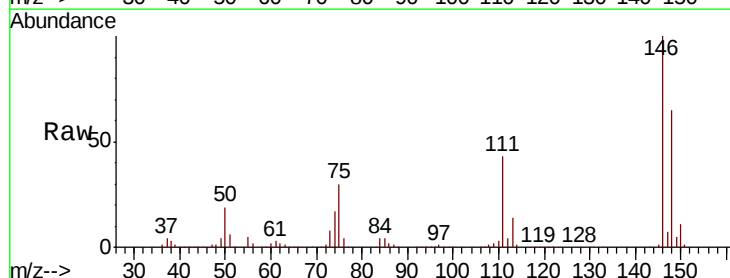
Manual Integrations
APPROVED

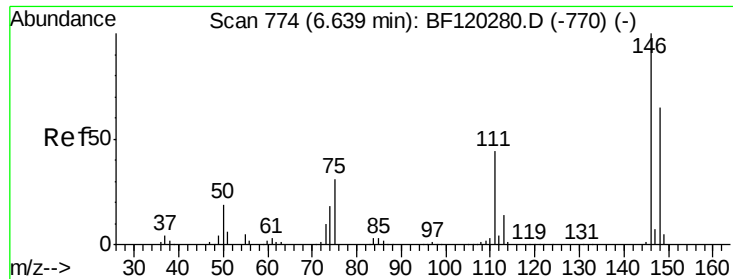
mohammad
5/22/2020 2:55:45 PM



#12
1,3-Dichlorobenzene
Concen: 47.464 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.5	75.7
75	30.0	24.2	36.4





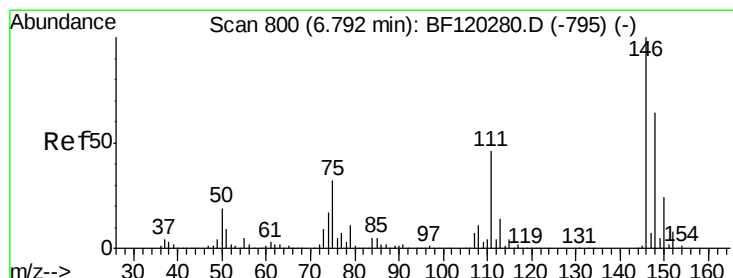
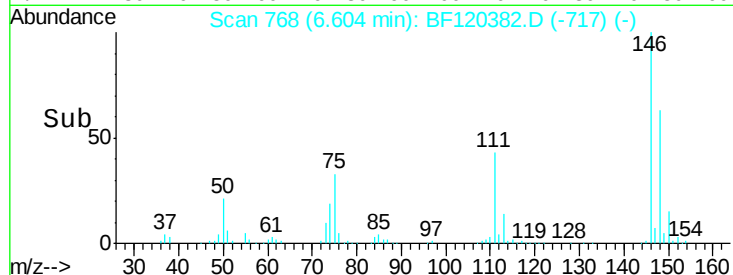
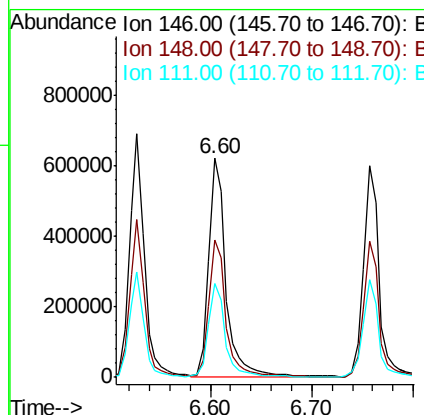
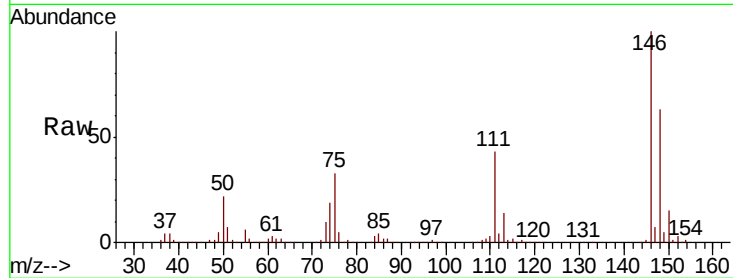
#13
 1,4-Dichlorobenzene
 Concen: 48.453 ng
 RT: 6.60 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.6	77.4
111	42.8	35.1	52.7

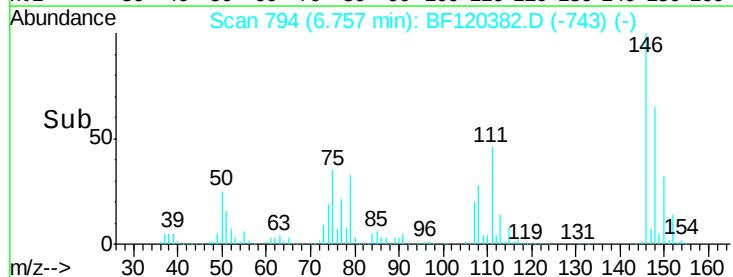
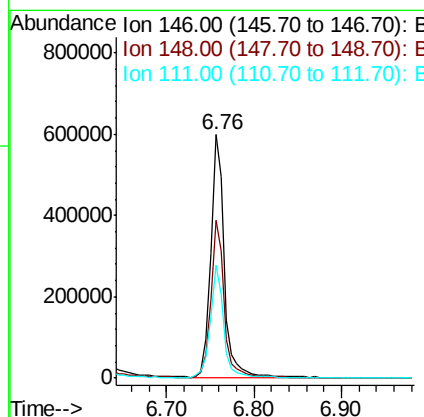
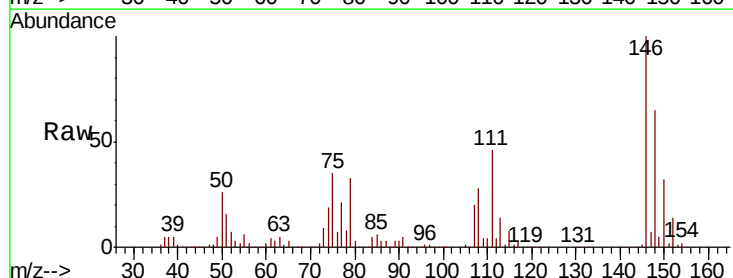
Manual Integrations
 APPROVED

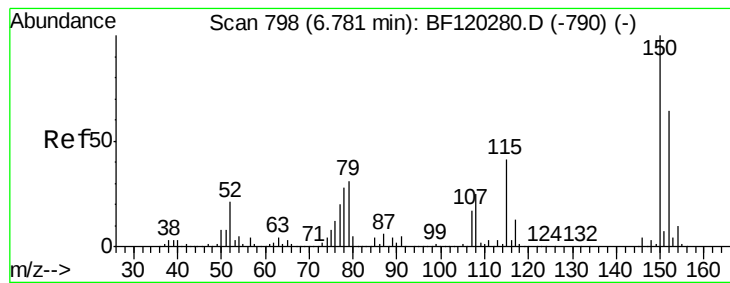
mohammad
 5/22/2020 2:55:45 PM



#14
 1,2-Dichlorobenzene
 Concen: 47.542 ng
 RT: 6.76 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.1	76.7
111	46.4	36.6	55.0





#15

Benzyl Alcohol

Concen: 52.011 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

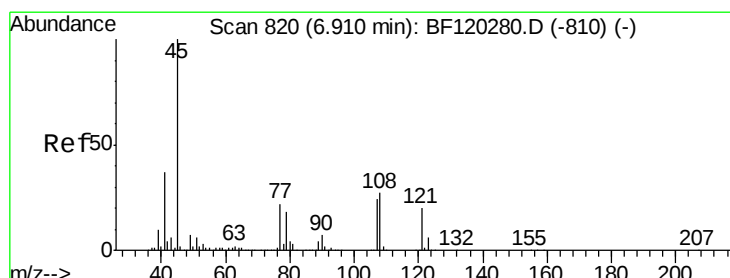
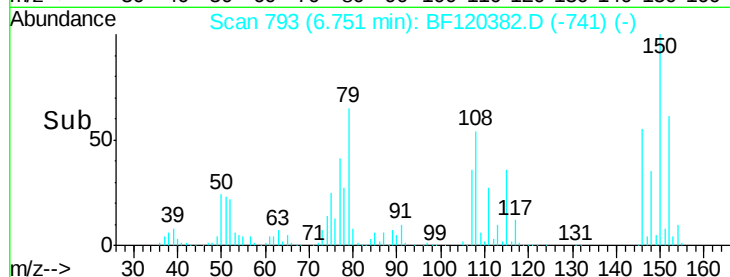
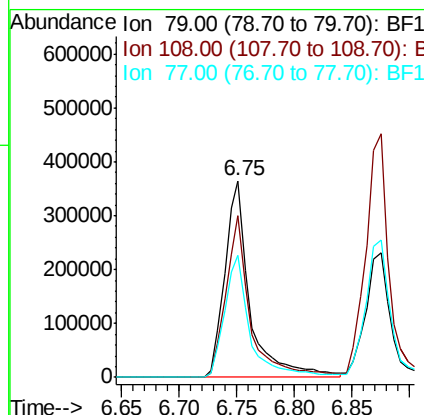
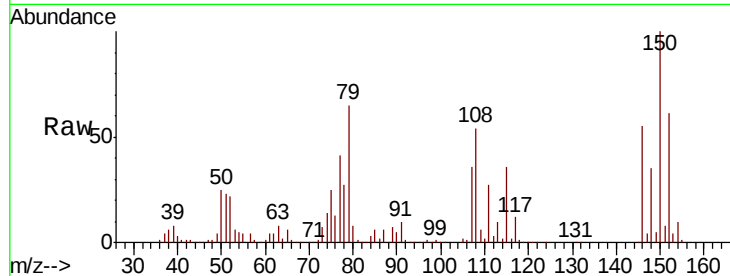
ClientSampled :

COMP-3MS

Tot Ion:	79	Resp:	551464
Ion Ratio	Lower	Upper	
79	100		
108	82.0	64.2	96.4
77	62.2	51.6	77.4

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.328 ng

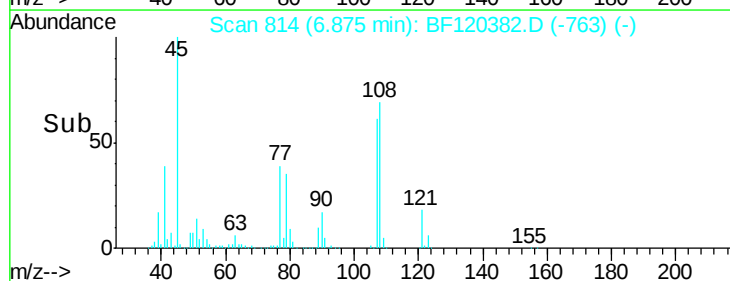
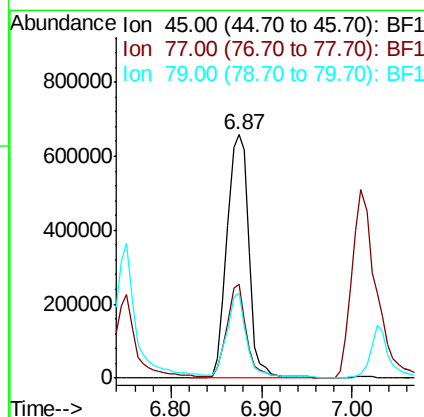
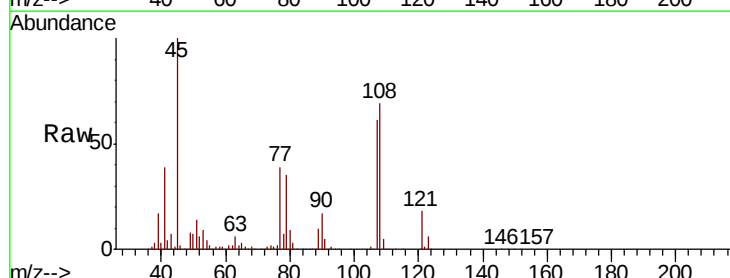
RT: 6.87 min Scan# 814

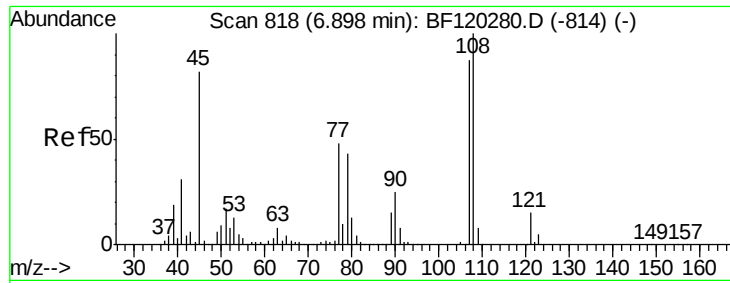
Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion:	45	Resp:	1103772
Ion Ratio	Lower	Upper	
45	100		
77	38.7	3.1	43.1
79	35.0	0.0	40.0





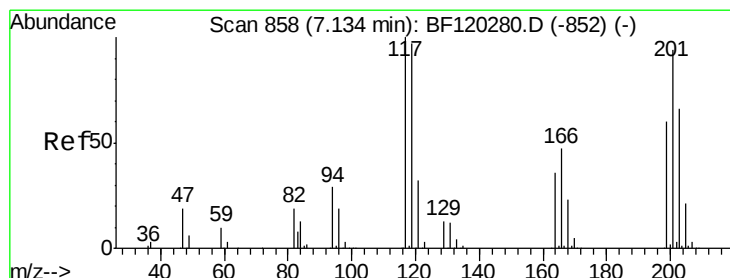
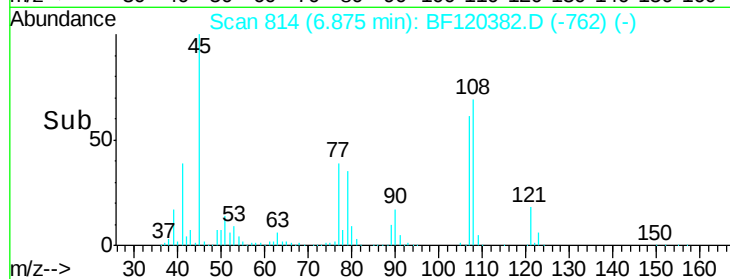
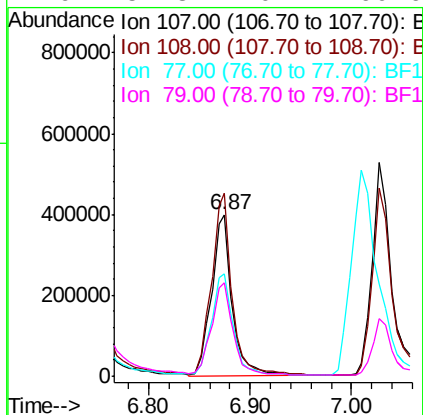
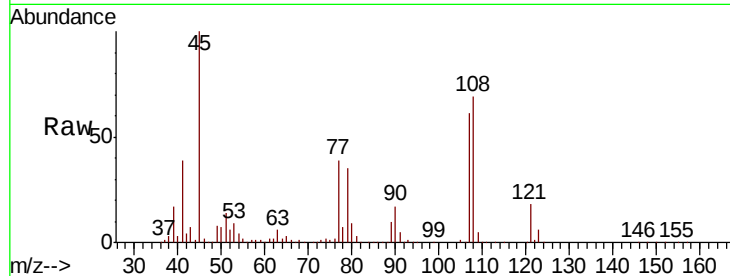
#17
2-Methylphenol
Concen: 48.422 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	562491		
108	113.2	92.4	138.6	
77	63.8	44.5	66.7	
79	57.8	40.4	60.6	

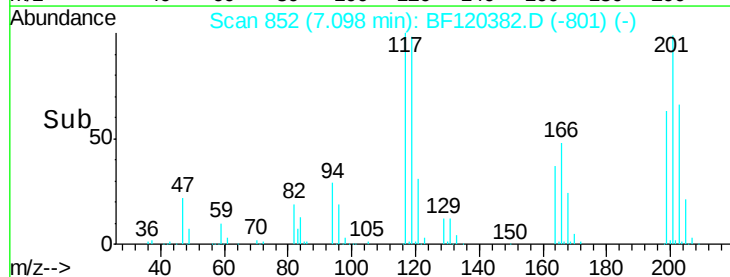
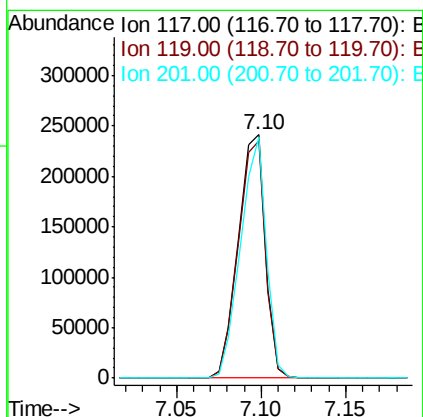
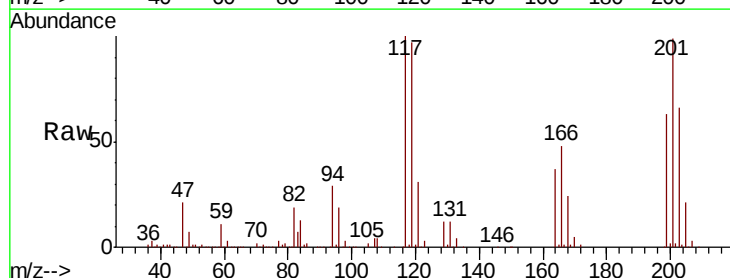
Manual Integrations
APPROVED

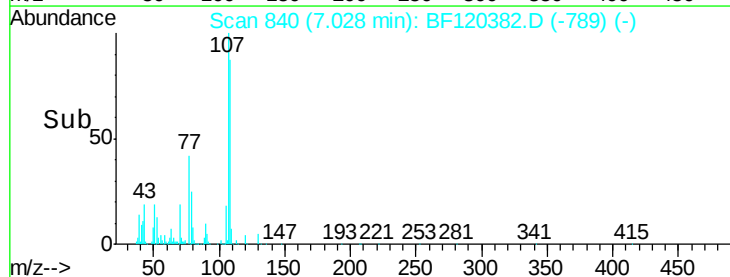
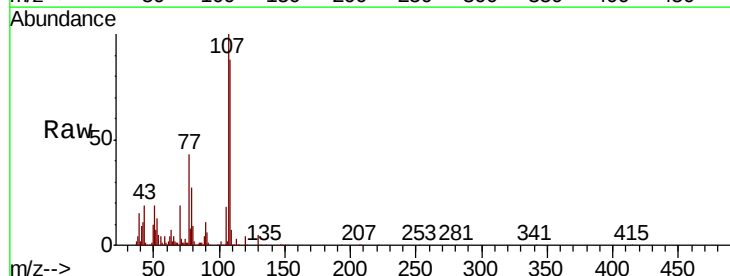
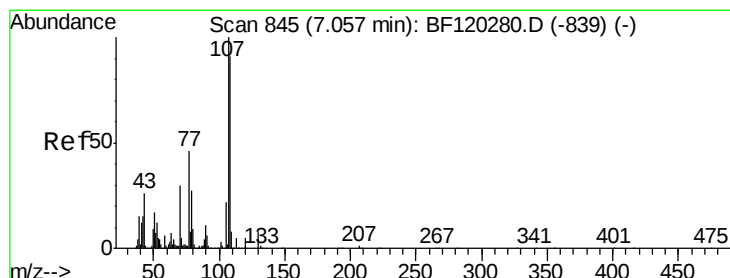
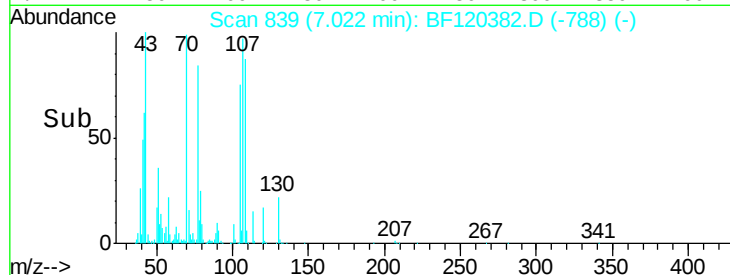
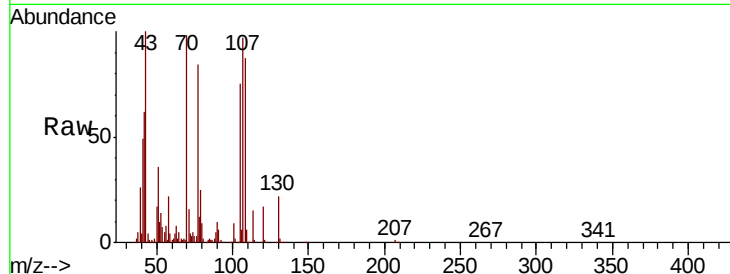
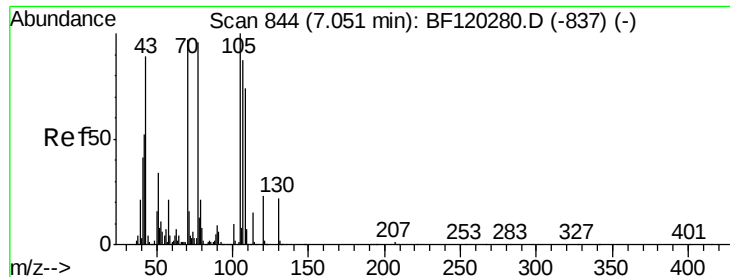
mohammad
5/22/2020 2:55:45 PM



#18
Hexachloroethane
Concen: 46.990 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

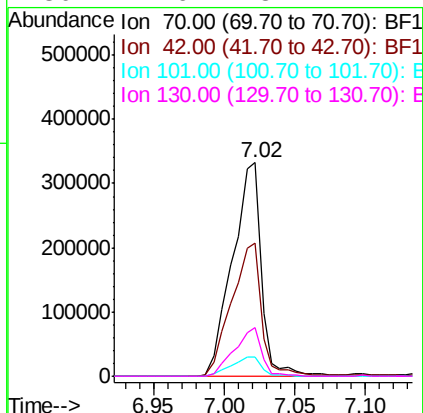
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	271479		
119	97.5	77.4	116.0	
201	98.8	74.9	112.3	





#19
n-Nitroso-di-n-propylamine
Concen: 48.847 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		477605		
42	62.6	43.4	65.0		
101	9.2	7.8	11.8		
130	22.6	18.2	27.4		



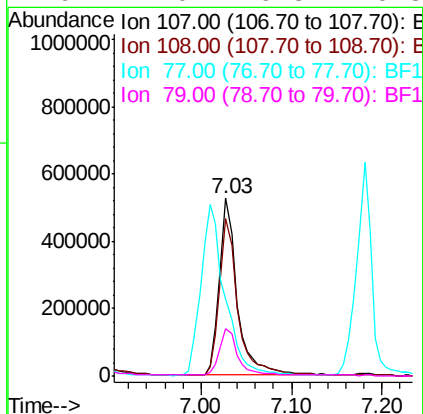
Instrument :
BNA_F
ClientSampleId :
COMP-3MS

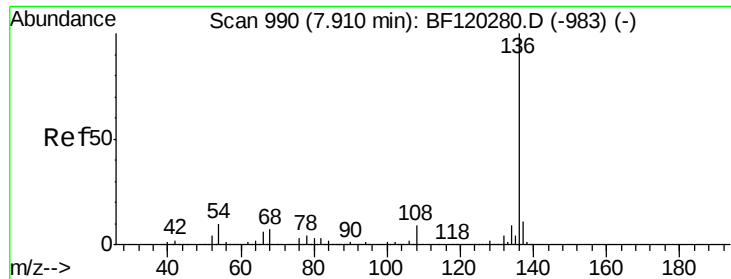
Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM

#20
3+4-Methylphenols
Concen: 48.062 ng
RT: 7.03 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		725890		
108	88.4	71.1	111.1		
77	43.3	28.1	68.1		
79	27.0	6.8	46.8		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

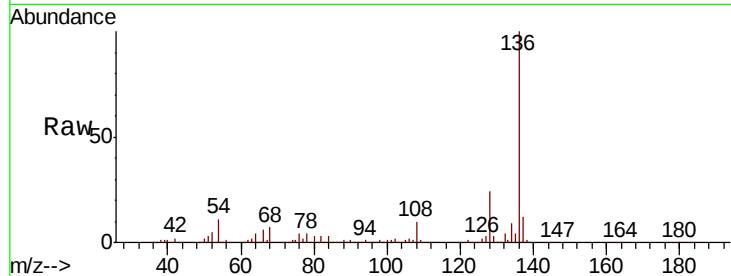
ClientSampleId :

COMP-3MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		899098		
137	11.6	9.1	13.7		
54	10.7	7.9	11.9		
68	6.6	5.4	8.2		

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



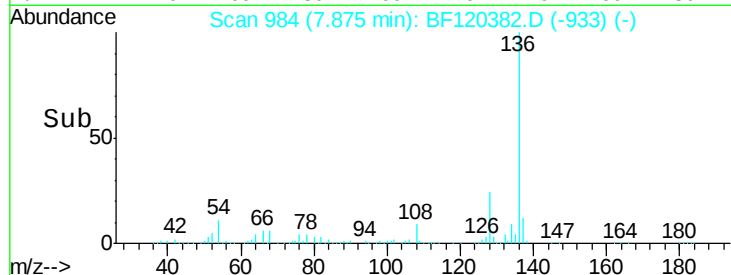
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

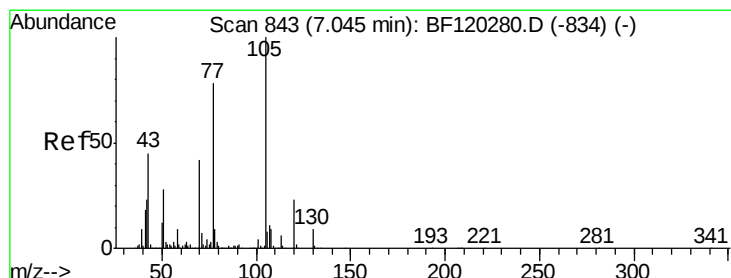
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



Time-->



#22

Acetophenone

Concen: 52.377 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		964740		
71	6.0	5.6	8.4		
51	31.7	22.6	34.0		
120	22.6	18.7	28.1		

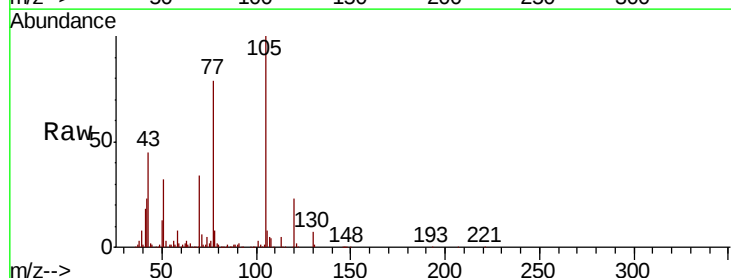
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

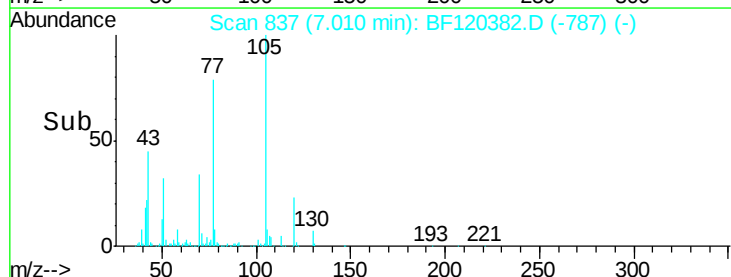
Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

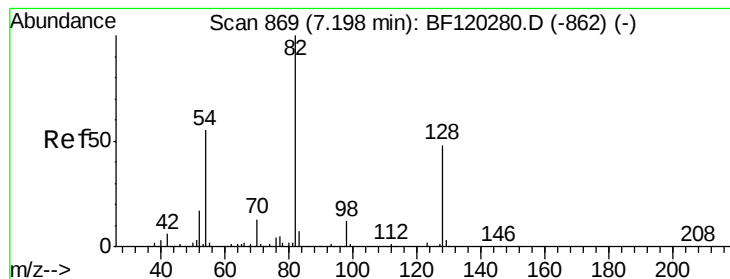
Time-->



Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 95.132 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

ClientSampleId :

COMP-3MS

Tot Ion: 82 Resp: 1249261

Ion Ratio Lower Upper

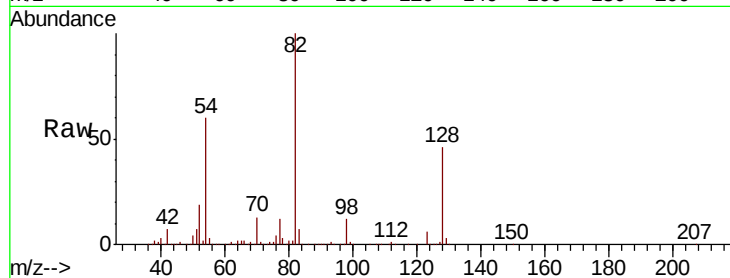
82 100

128 46.2 38.3 57.5

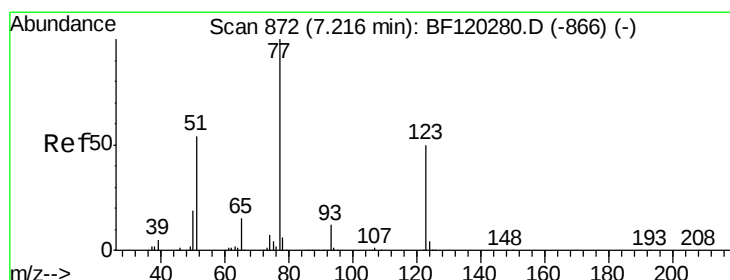
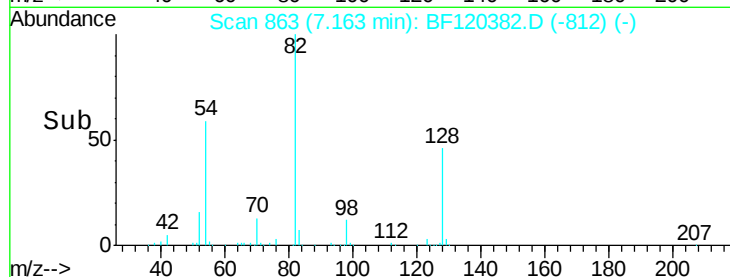
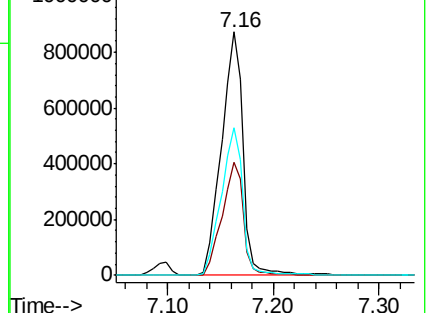
54 60.4 43.9 65.9

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): BF1
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
600000
400000
200000
0



#24

Nitrobenzene

Concen: 51.719 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

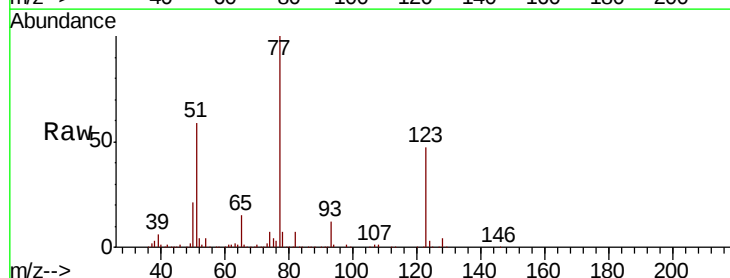
Tgt Ion: 77 Resp: 730937

Ion Ratio Lower Upper

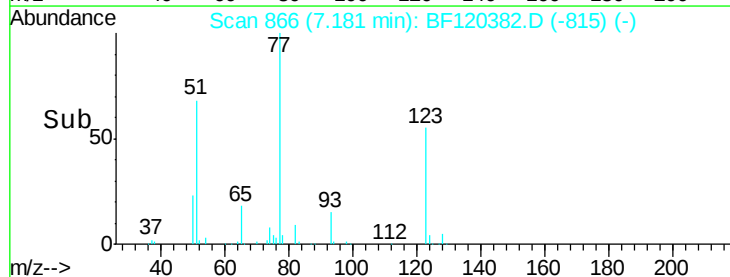
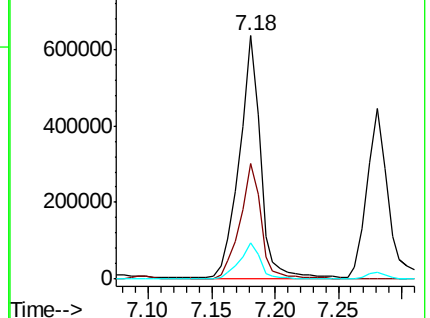
77 100

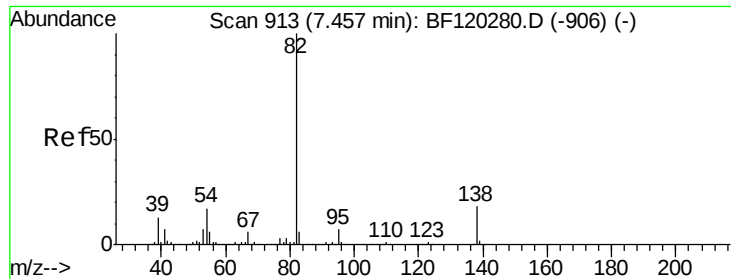
123 47.3 40.0 60.0

65 14.7 11.7 17.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
800000
Ion 123.00 (122.70 to 123.70): BF1
600000
Ion 65.00 (64.70 to 65.70): BF1
400000
200000
0





#25

Isophorone

Concen: 48.619 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

ClientSampled :

COMP-3MS

Tot Ion: 82 Resp: 1328444

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.0

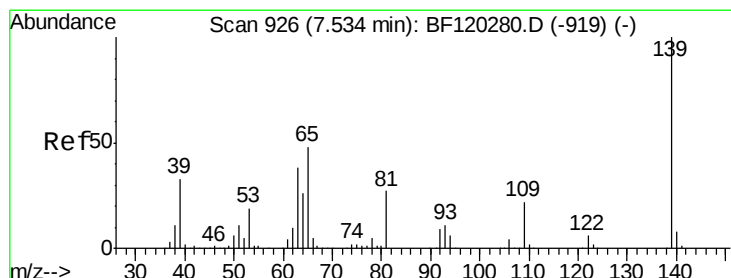
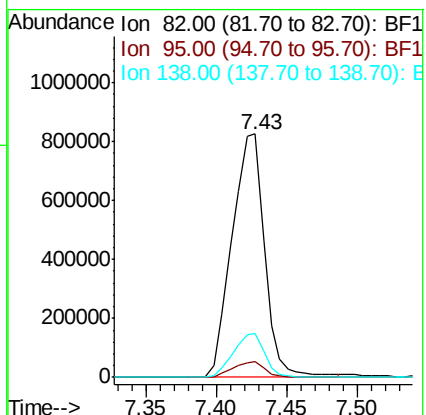
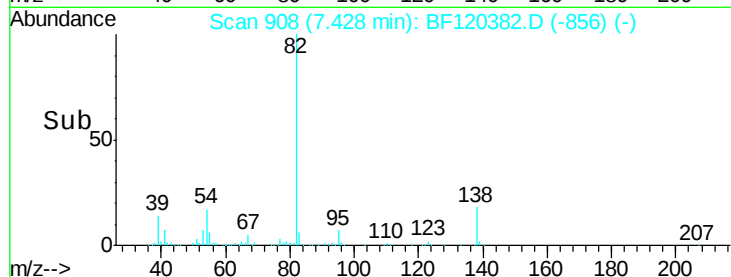
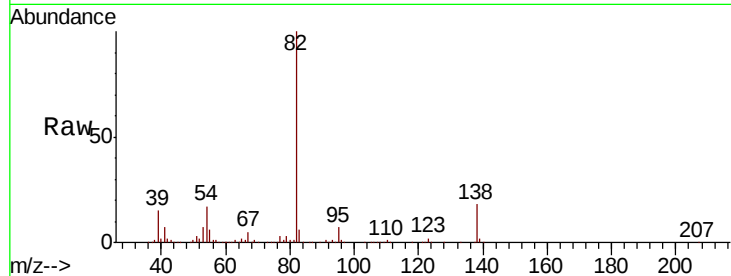
138 18.2 14.7 22.1

Manual Integrations

APPROVED

mohammad

5/22/2020 2:55:45 PM



#26

2-Nitrophenol

Concen: 52.707 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

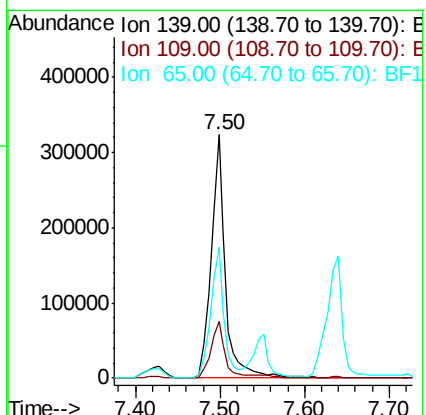
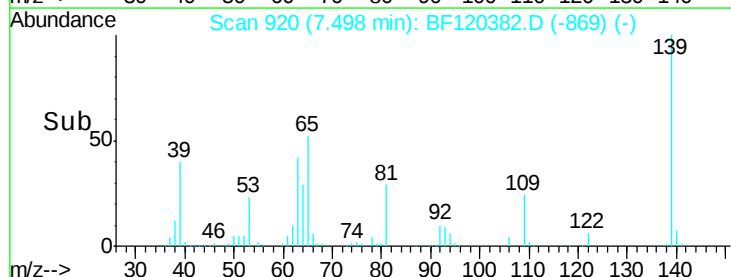
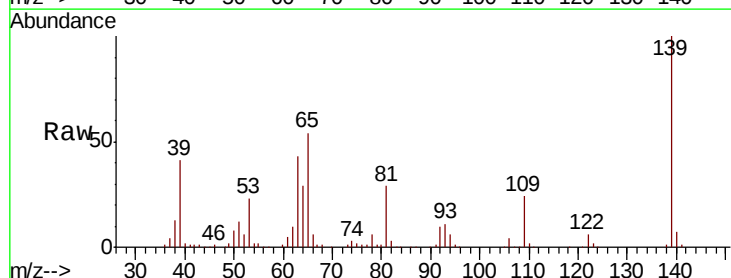
Tgt Ion: 139 Resp: 389581

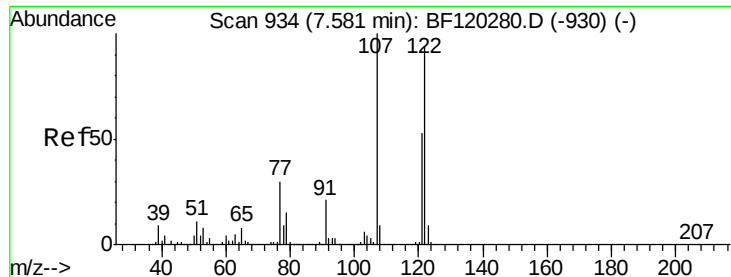
Ion Ratio Lower Upper

139 100

109 23.6 17.7 26.5

65 53.8 38.3 57.5





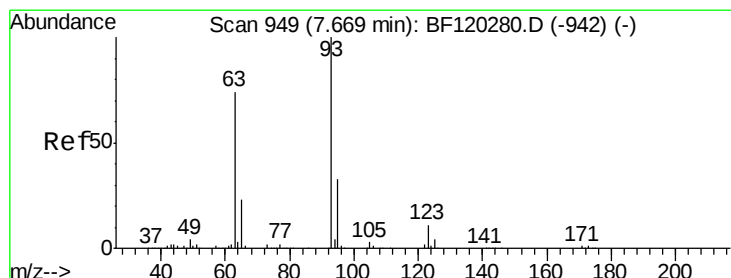
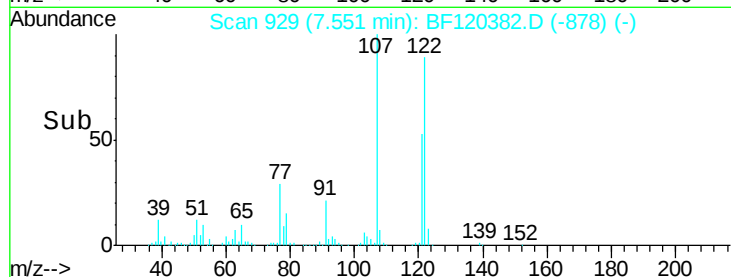
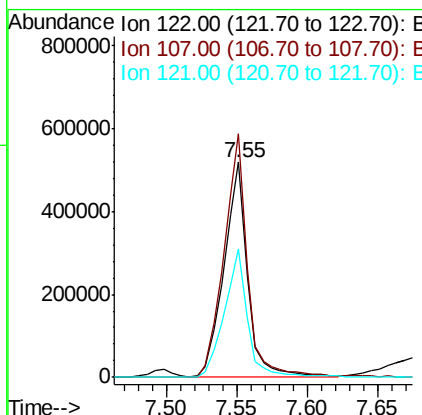
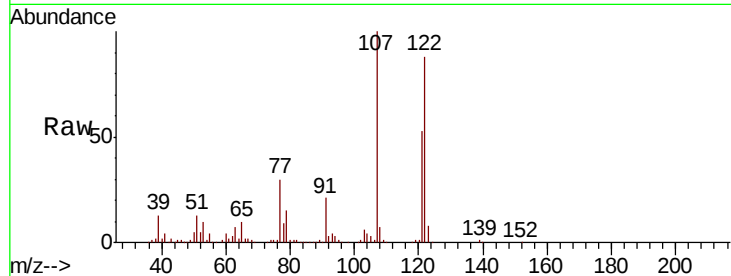
#27
2,4-Dimethylphenol
Concen: 55.691 ng
RT: 7.55 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	598792		
107	113.3	85.0	127.6	
121	59.7	45.1	67.7	

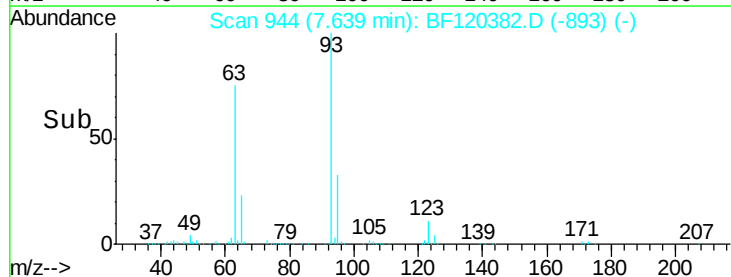
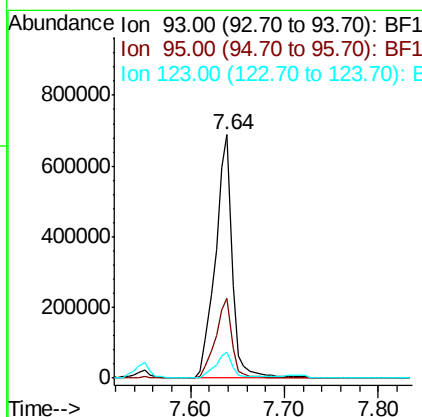
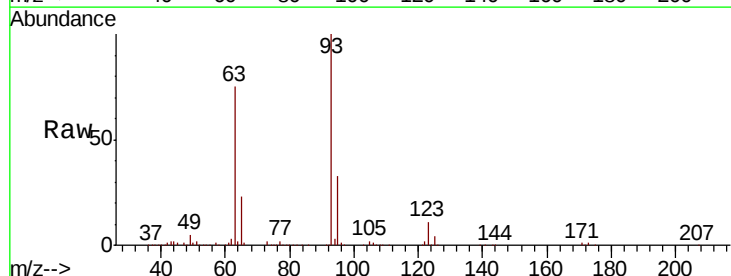
Manual Integrations
APPROVED

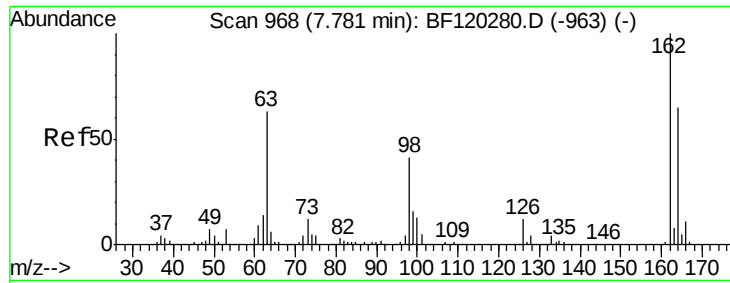
mohammad
5/22/2020 2:55:45 PM



#28
bis(2-Chloroethoxy)methane
Concen: 50.516 ng
RT: 7.64 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	867565		
95	32.6	26.8	40.2	
123	10.9	9.2	13.8	





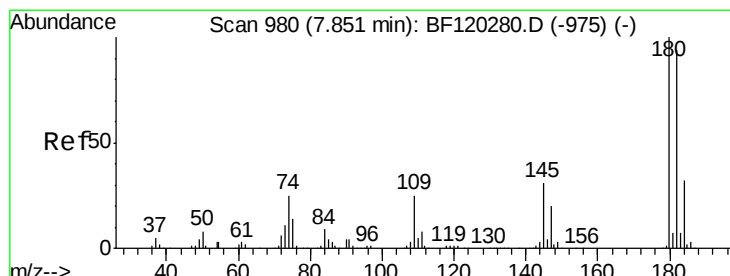
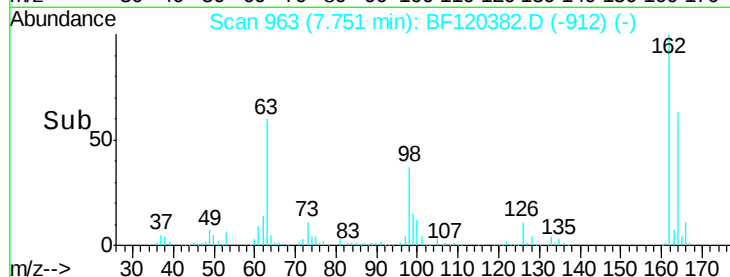
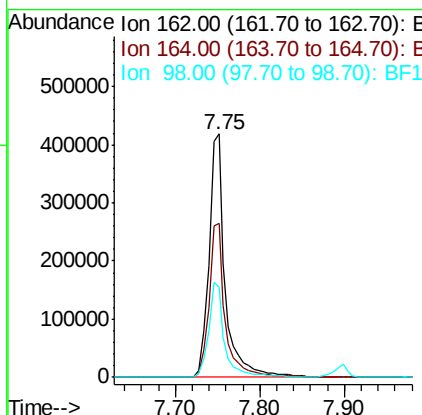
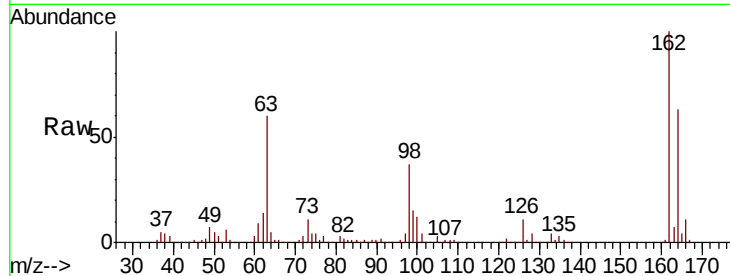
#29
 2,4-Dichlorophenol
 Concen: 51.433 ng
 RT: 7.75 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion:	162	Resp:	567967
Ion Ratio	Lower	Upper	
162	100		
164	63.1	44.9	84.9
98	37.0	20.7	60.7

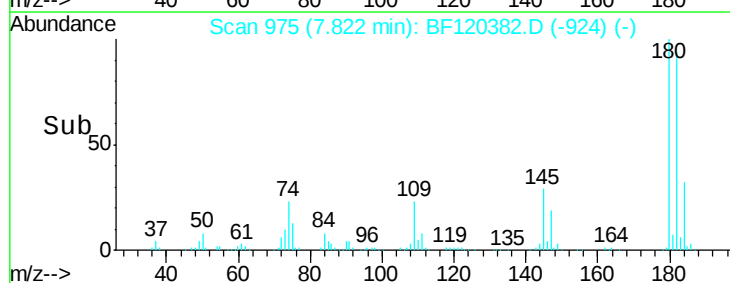
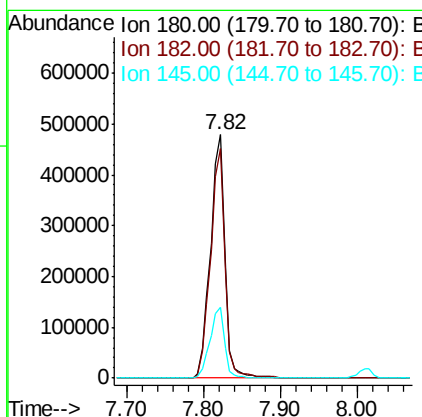
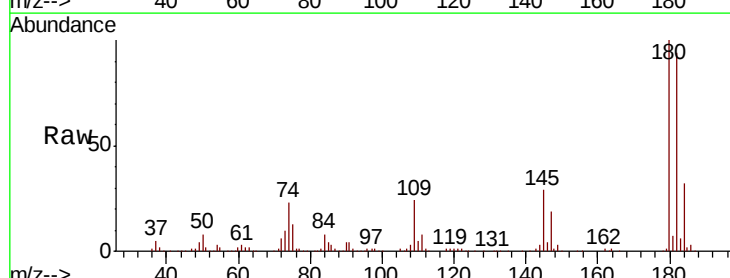
Manual Integrations
 APPROVED

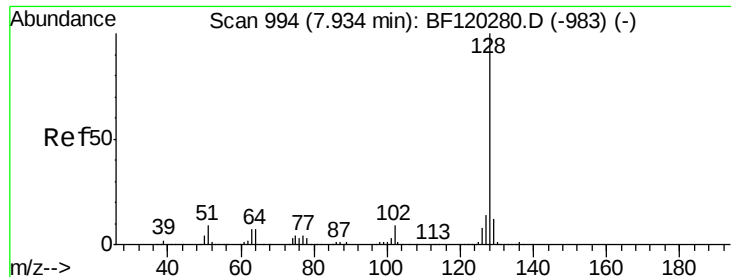
mohammad
 5/22/2020 2:55:45 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 50.373 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion:	180	Resp:	616427
Ion Ratio	Lower	Upper	
180	100		
182	94.3	75.3	112.9
145	29.3	24.9	37.3





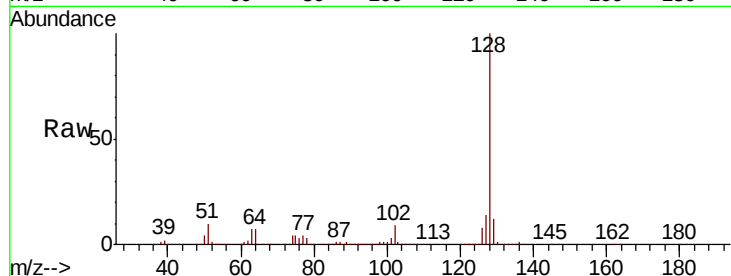
#31
Naphthalene
Concen: 52.748 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.7	11.2	16.8

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM

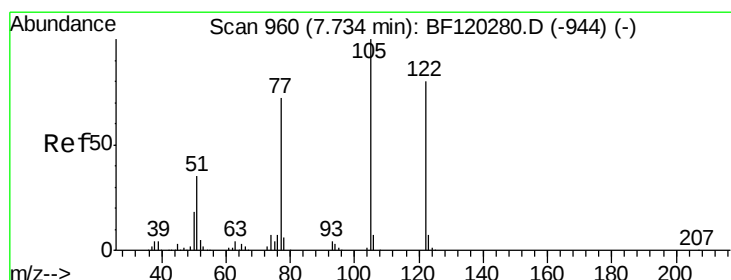
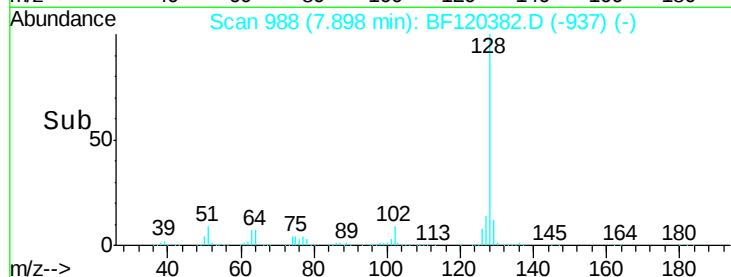
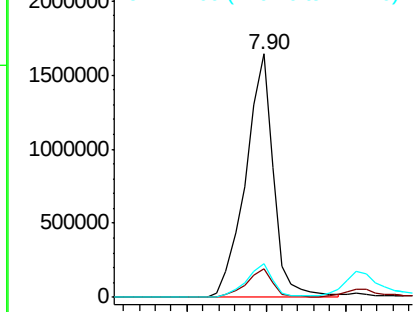


Abundance

Ion 128.00 (127.70 to 128.70): E

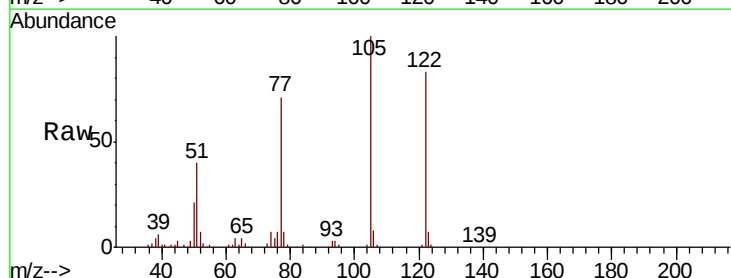
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 43.883 ng
RT: 7.72 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.8	98.1	138.1
77	86.2	66.7	106.7

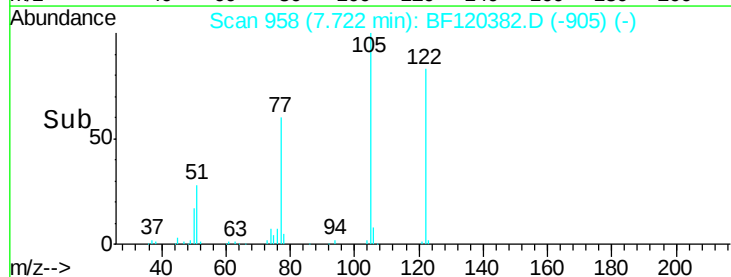
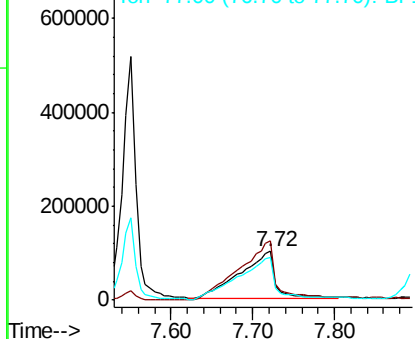


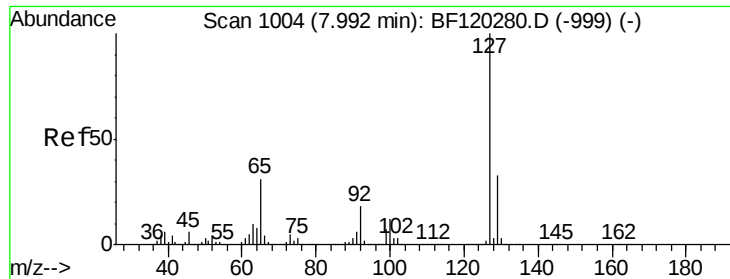
Abundance

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





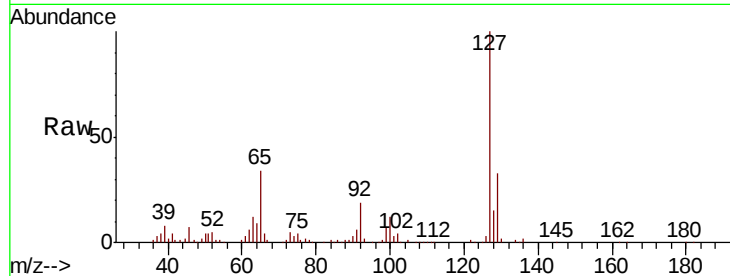
#33
4-Chloroaniline
Concen: 18.939 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

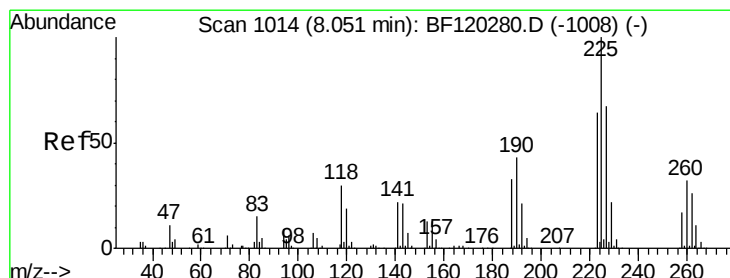
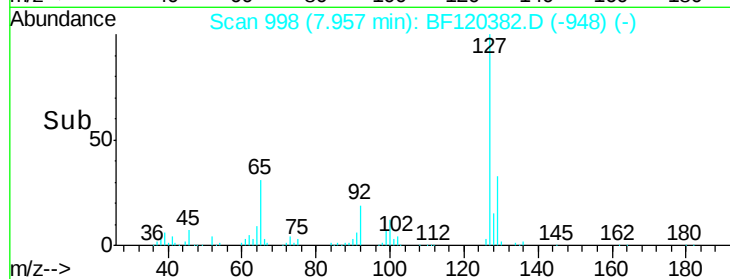
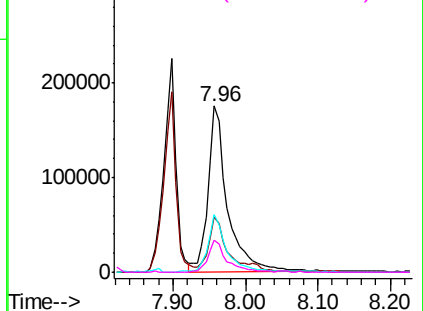
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.5	26.4	39.6		
65	34.3	24.8	37.2		
92	19.0	14.5	21.7		

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM

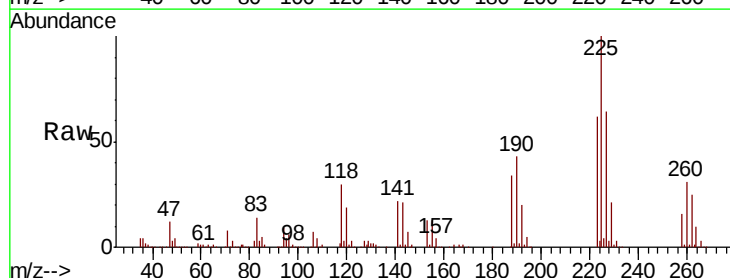


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

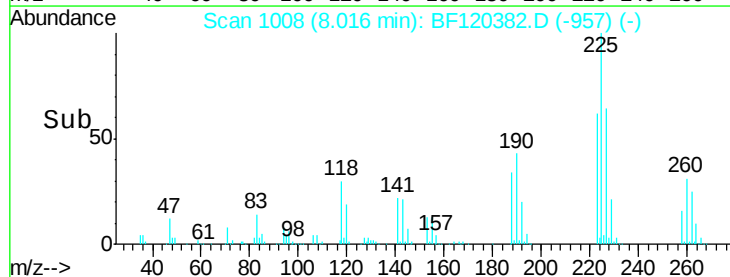
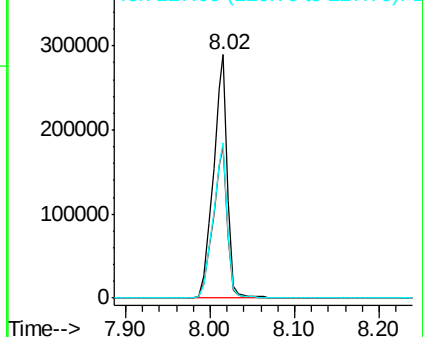


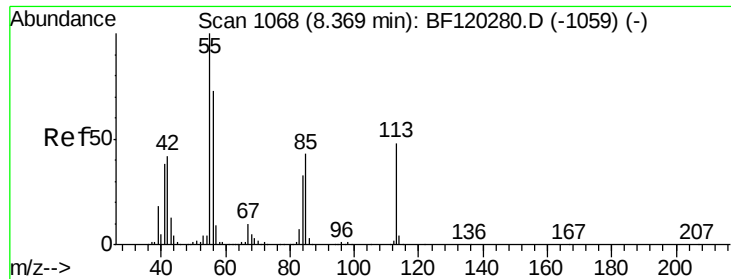
#34
Hexachlorobutadiene
Concen: 48.125 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.2	51.4	77.0		
227	63.6	54.0	81.0		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 48.764 ng/mL

RT: 8.35 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

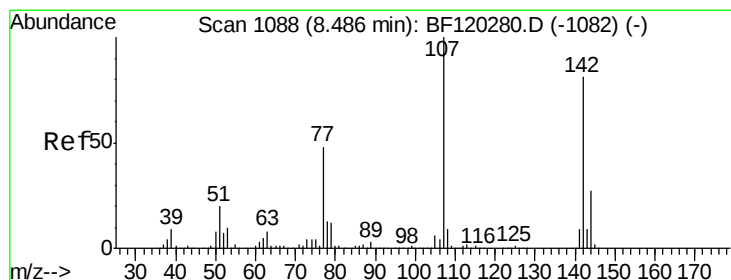
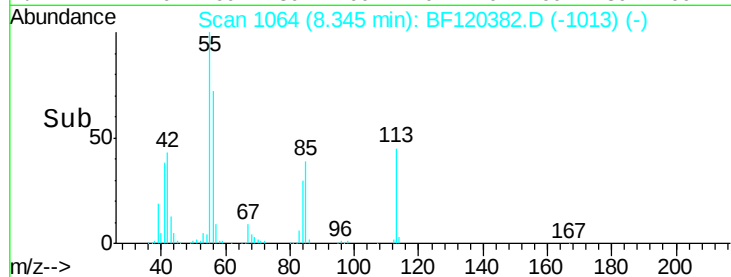
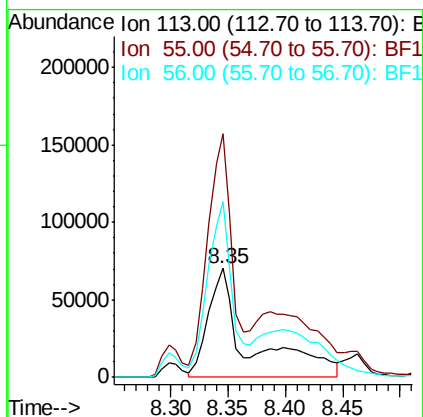
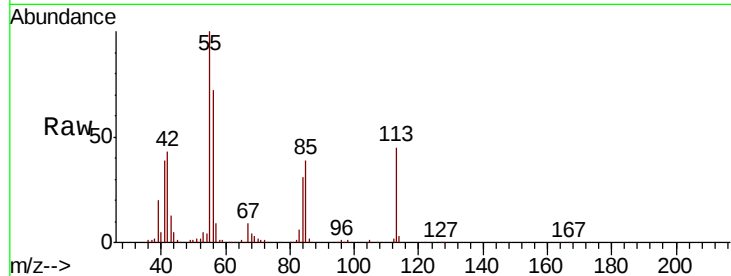
ClientSampleId :

COMP-3MS

Tot Ion:	113	Resp:	176170
Ion Ratio	Lower	Upper	
113	100		
55	223.7	190.4	230.4
56	161.0	132.7	172.7

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#36

4-Chloro-3-methylphenol

Concen: 50.853 ng/mL

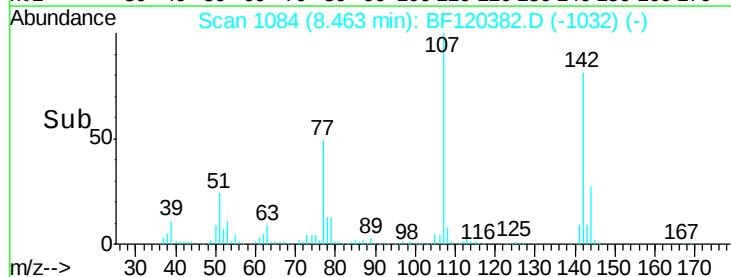
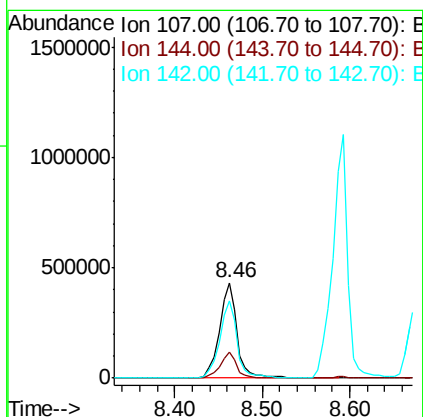
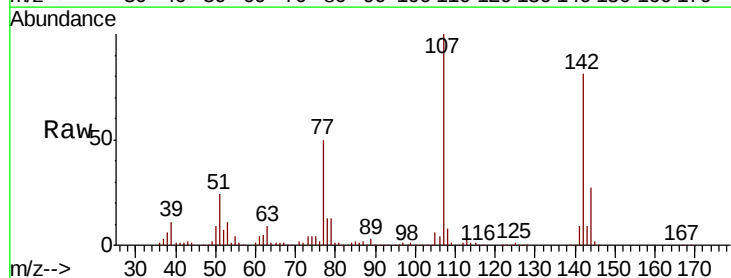
RT: 8.46 min Scan# 1084

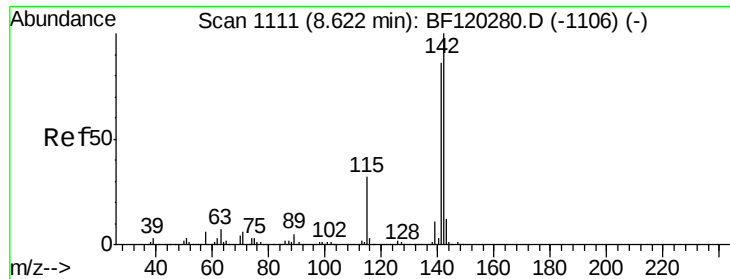
Delta R.T. 0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion:	107	Resp:	607490
Ion Ratio	Lower	Upper	
107	100		
144	26.8	21.4	32.2
142	80.9	65.1	97.7





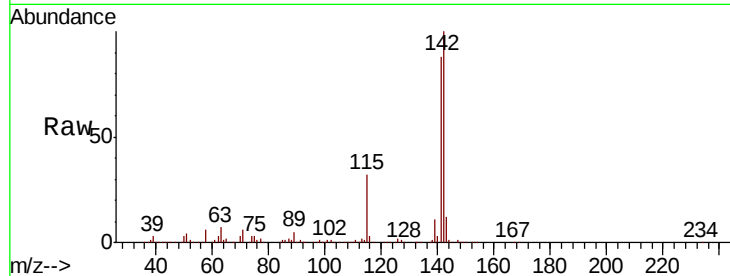
#37
2-Methylnaphthalene
Concen: 50.698 ng
RT: 8.59 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampled :
COMP-3MS

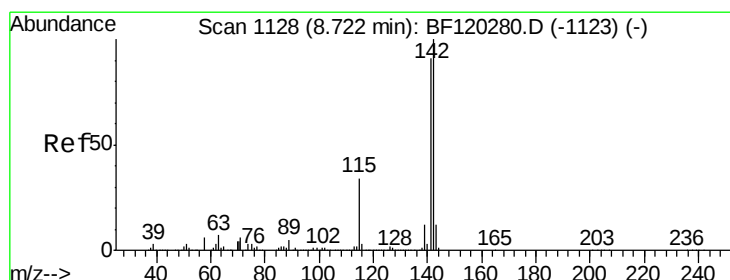
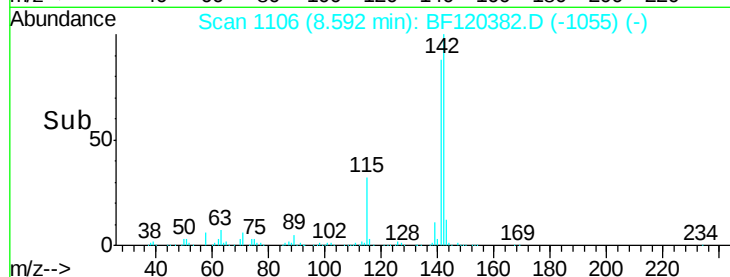
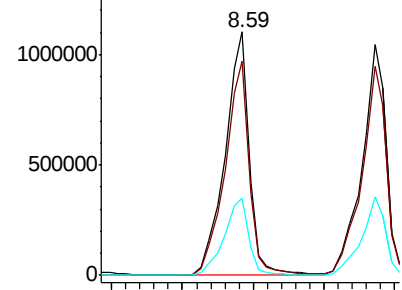
Tot Ion:142 Resp: 1316488
Ion Ratio Lower Upper
142 100
141 87.7 68.8 103.2
115 31.9 25.7 38.5

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM

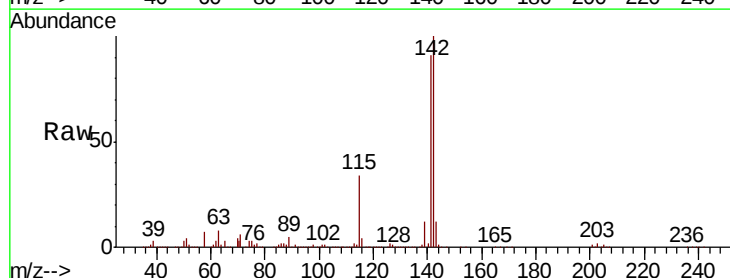


Abundance Ion 142.00 (141.70 to 142.70): E
1500000 Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

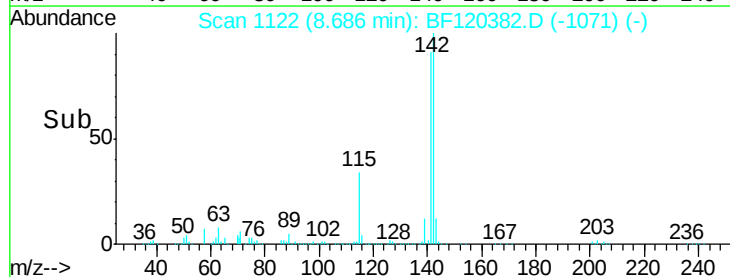
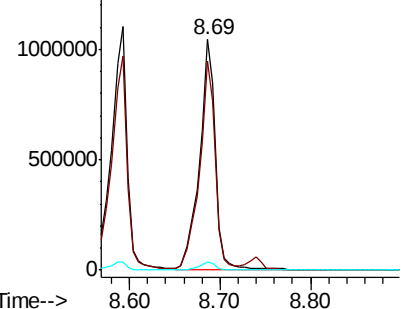


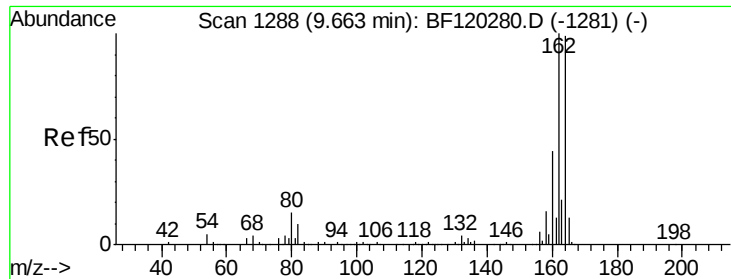
#38
1-Methylnaphthalene
Concen: 50.484 ng
RT: 8.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion:142 Resp: 1271464
Ion Ratio Lower Upper
142 100
141 90.7 73.0 109.6
116 3.7 2.7 4.1



Abundance Ion 142.00 (141.70 to 142.70): E
1500000 Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





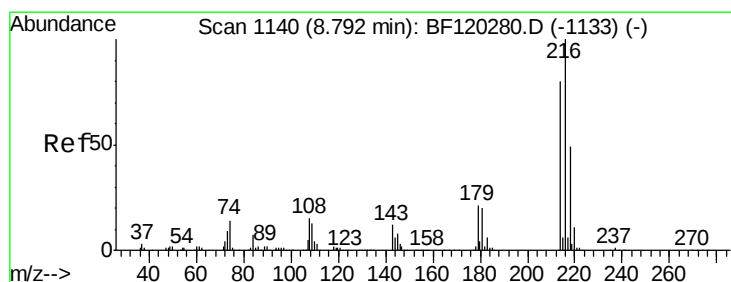
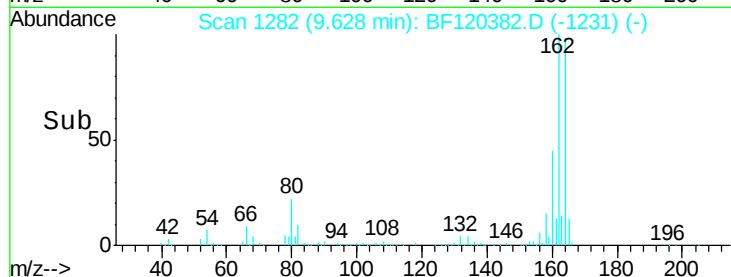
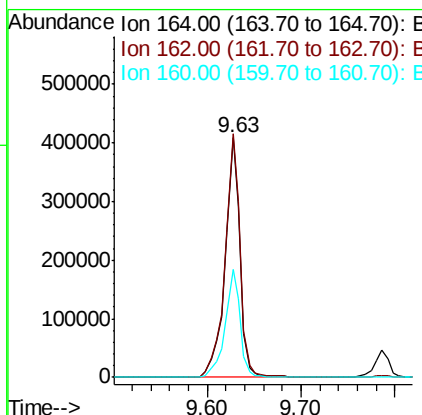
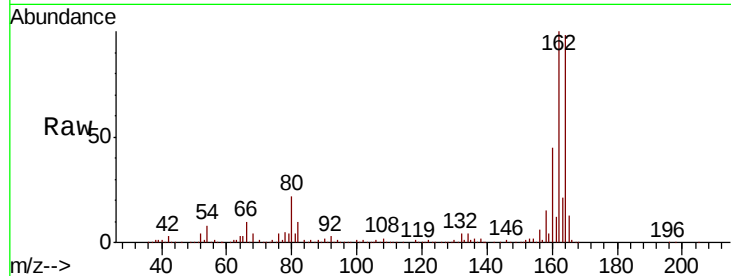
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampled :
COMP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	81.2	121.8	
160	45.2	35.8	53.6	

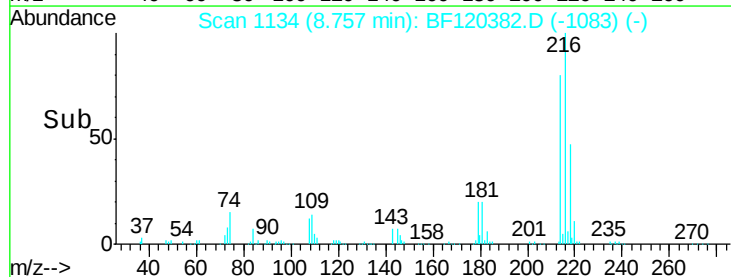
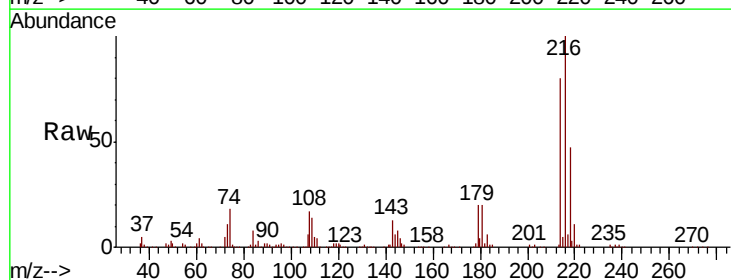
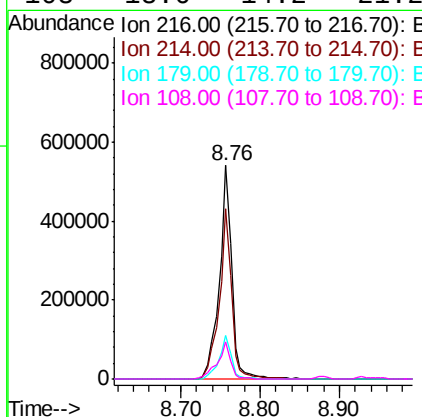
Manual Integrations
APPROVED

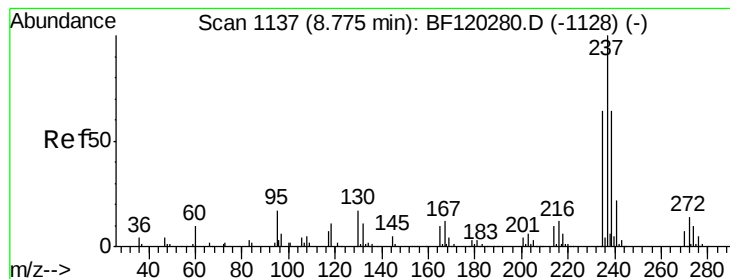
mohammad
5/22/2020 2:55:45 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.081 ng
RT: 8.76 min Scan# 1134
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	64.0	96.0	
179	20.2	16.9	25.3	
108	18.6	14.2	21.2	





#41

Hexachlorocyclopentadiene

Concen: 93.723 ng

RT: 8.74 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

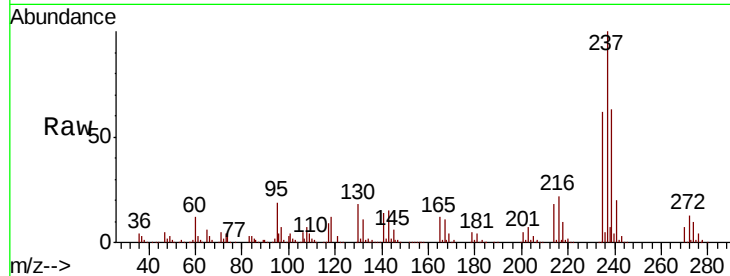
ClientSampleId :

COMP-3MS

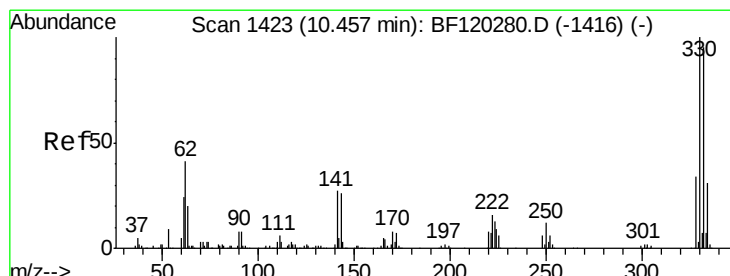
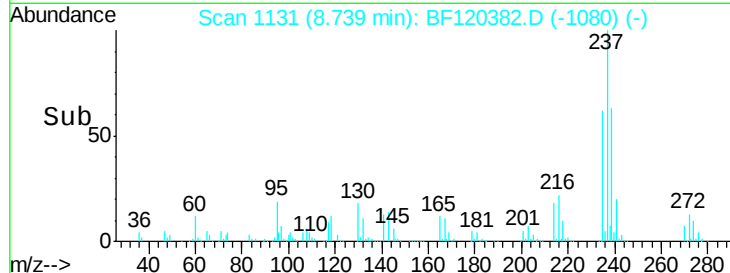
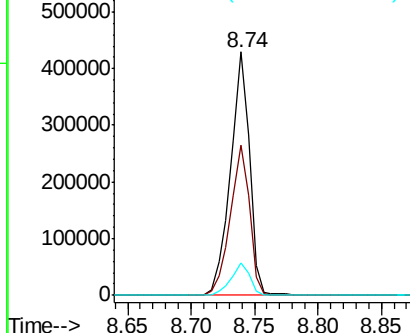
Tot Ion:	237	Resp:	443903
Ion Ratio	Lower	Upper	
237	100		
235	61.7	43.8	83.8
272	13.3	0.0	33.9

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



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: 115.044 ng

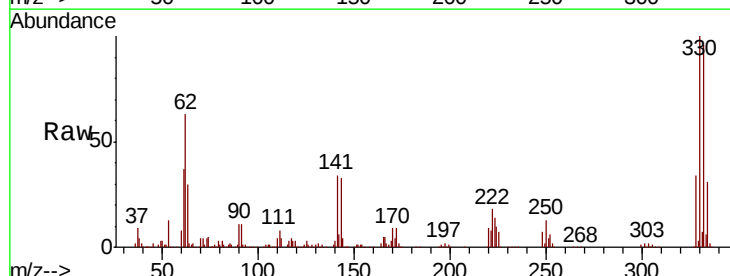
RT: 10.42 min Scan# 1417

Delta R.T. 0.00 min

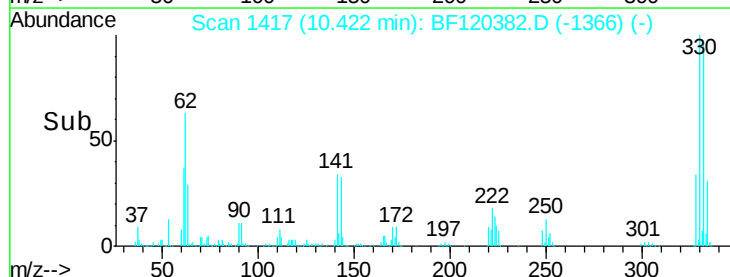
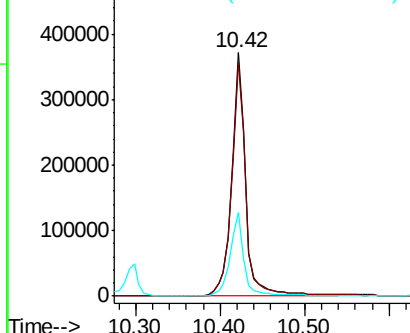
Lab File: BF120382.D

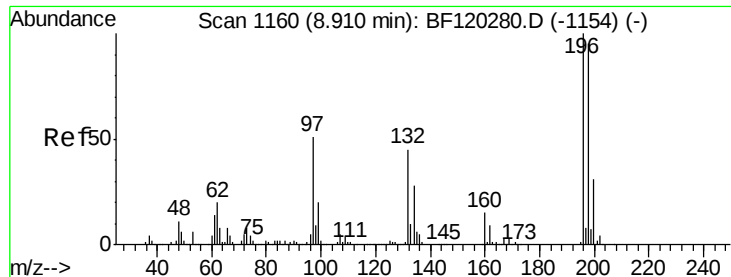
Acq: 21 May 2020 15:46

Tgt Ion:	330	Resp:	421549
Ion Ratio	Lower	Upper	
330	100		
332	98.3	76.5	114.7
141	32.9	25.4	38.0



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





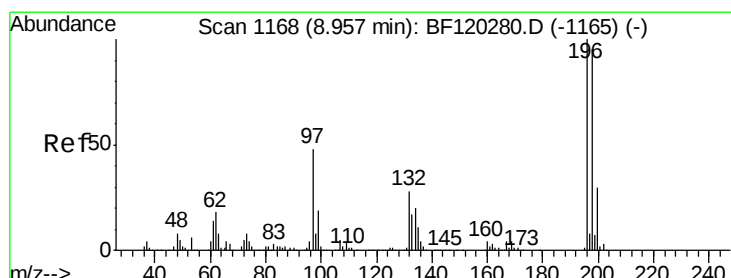
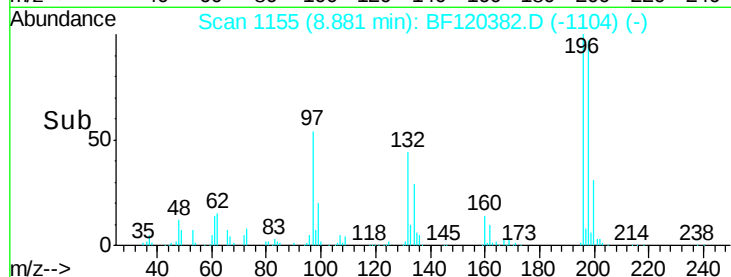
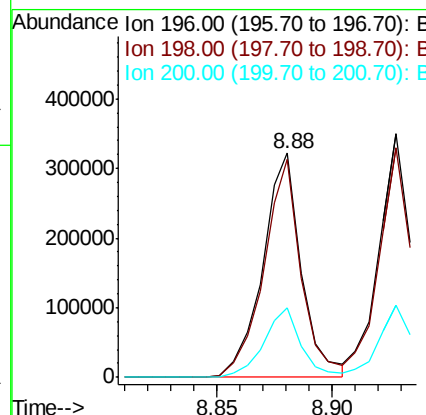
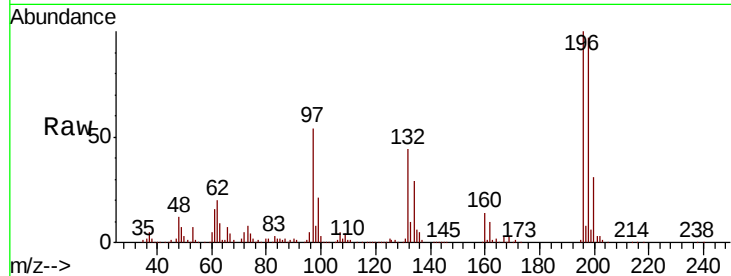
#43
 2,4,6-Trichlorophenol
 Concen: 49.264 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	374728		
198	97.2	76.2	114.4	
200	31.2	24.9	37.3	

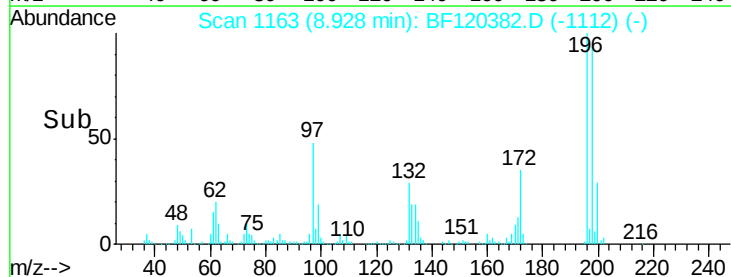
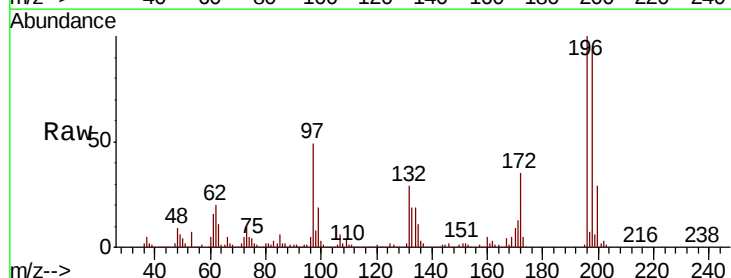
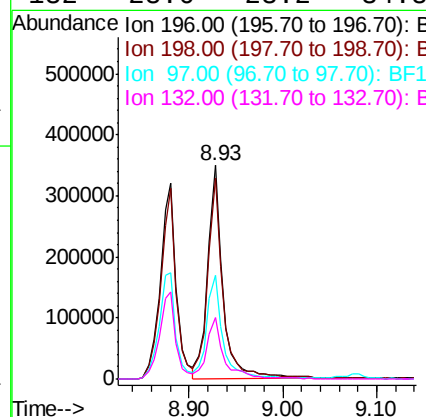
Manual Integrations
 APPROVED

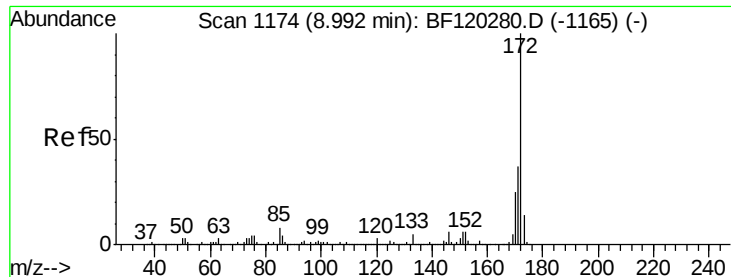
mohammad
 5/22/2020 2:55:45 PM



#44
 2,4,5-Trichlorophenol
 Concen: 45.231 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	395118		
198	94.2	76.2	114.4	
97	48.5	38.6	57.8	
132	28.6	23.2	34.8	





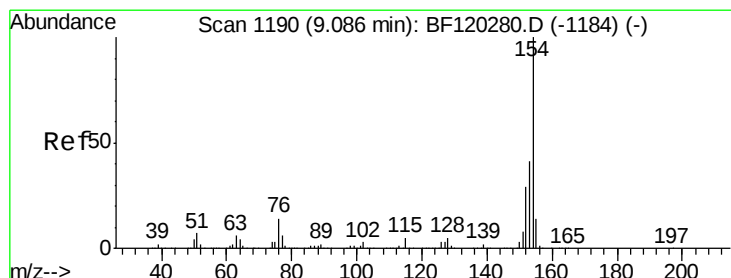
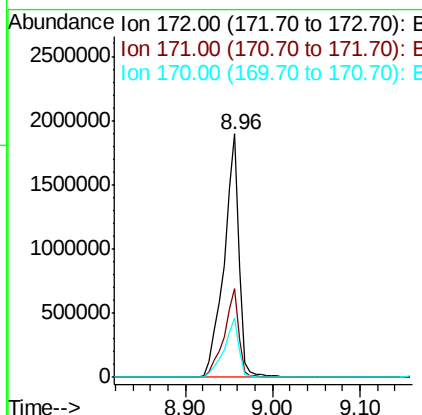
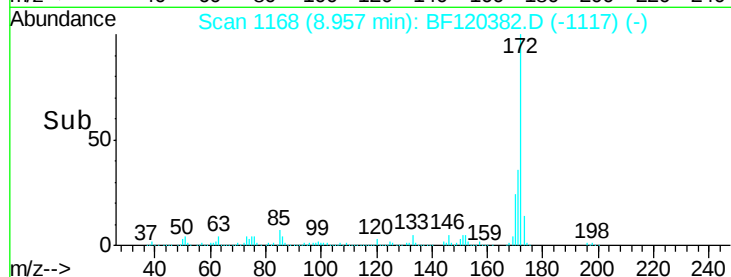
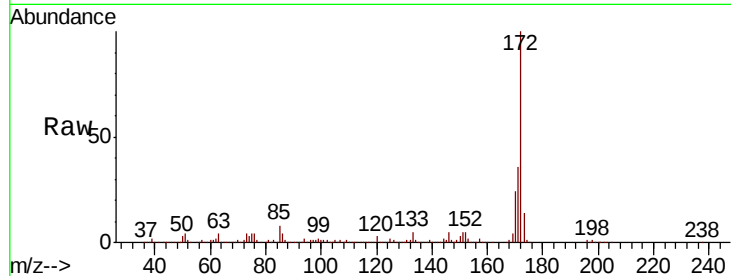
#45
2-Fluorobiphenyl
Concen: 104.251 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion:172 Resp: 2280460
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.4 19.9 29.9

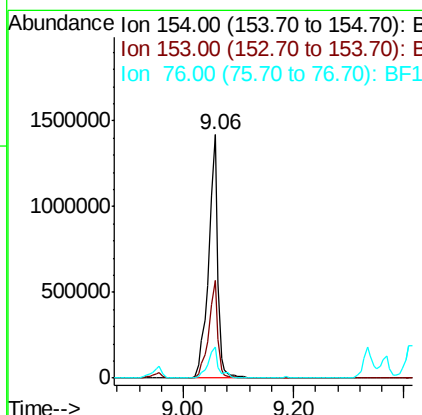
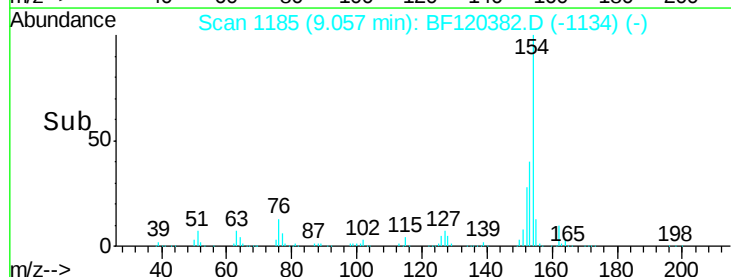
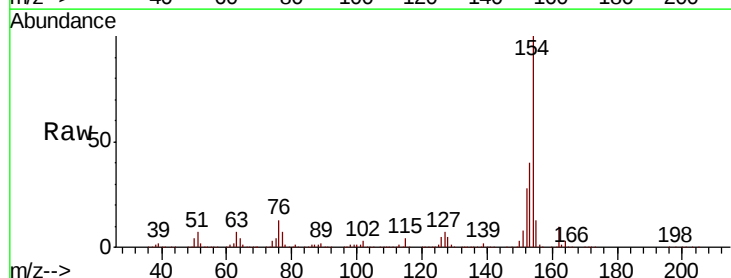
Manual Integrations
APPROVED

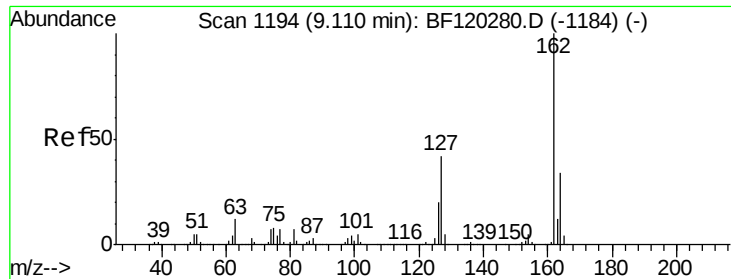
mohammad
5/22/2020 2:55:45 PM



#46
1,1'-Biphenyl
Concen: 54.288 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion:154 Resp: 1598564
Ion Ratio Lower Upper
154 100
153 40.3 20.8 60.8
76 12.8 0.0 34.3





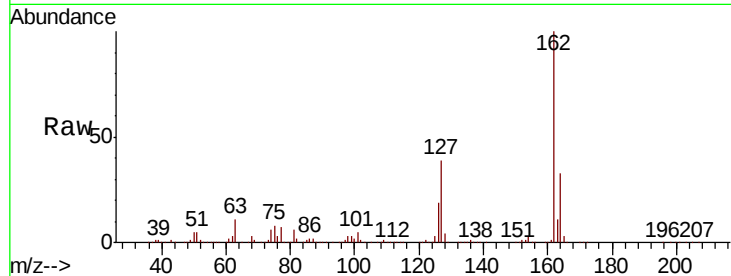
#47
2-Chloronaphthalene
Concen: 50.704 ng
RT: 9.08 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

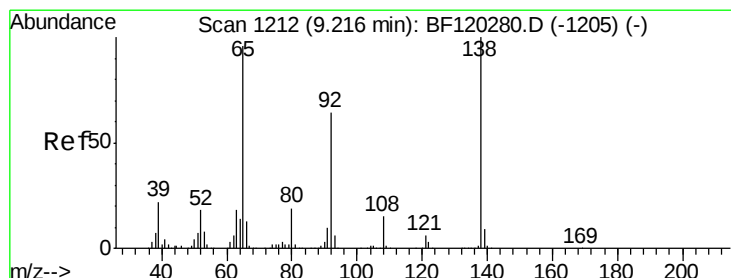
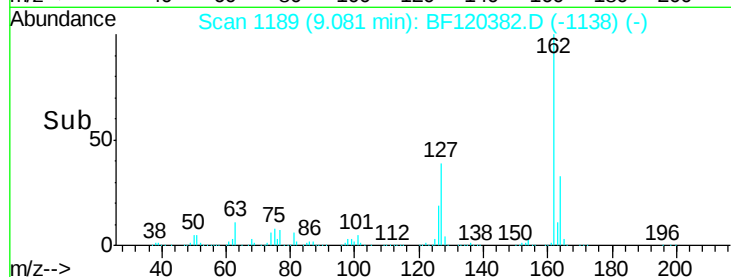
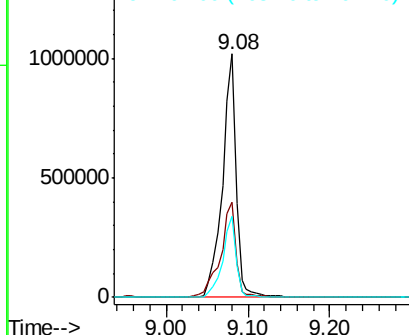
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.2	33.4	50.0
164	33.4	27.0	40.6

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM

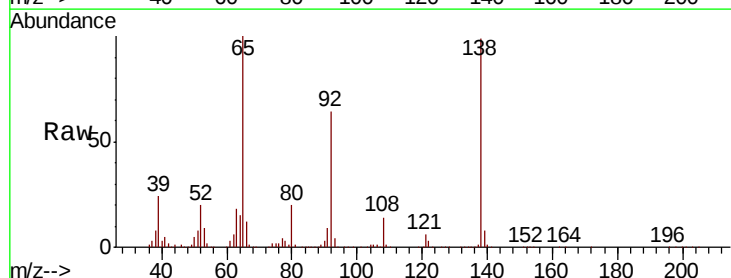


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

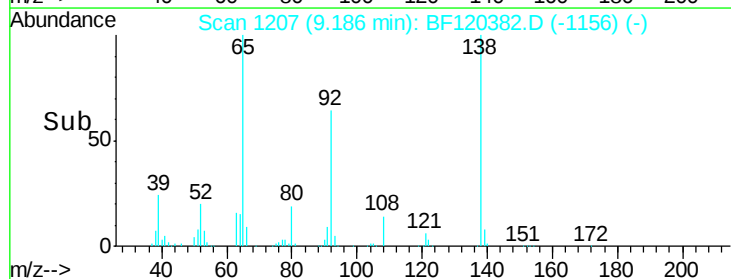
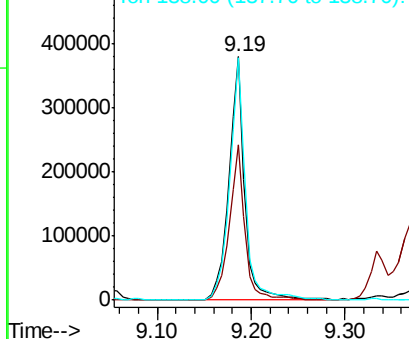


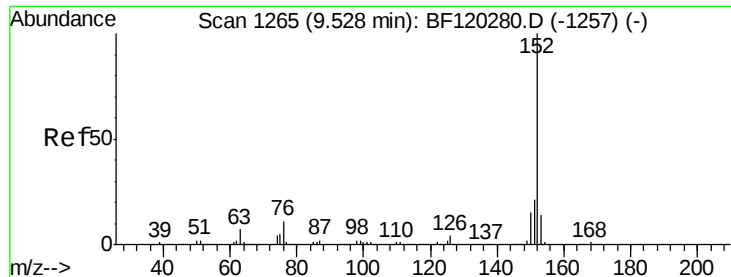
#48
2-Nitroaniline
Concen: 51.067 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.9	52.9	79.3
138	99.4	83.0	124.4



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





#49

Acenaphthylene

Concen: 53.107 ng

RT: 9.49 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

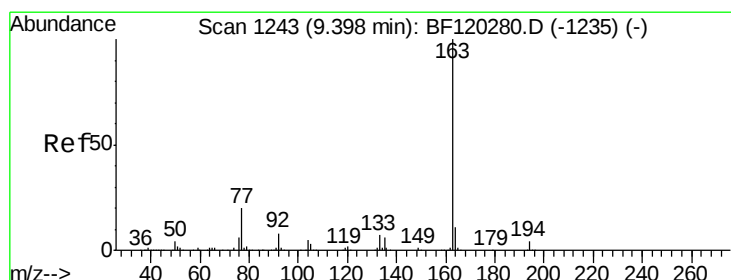
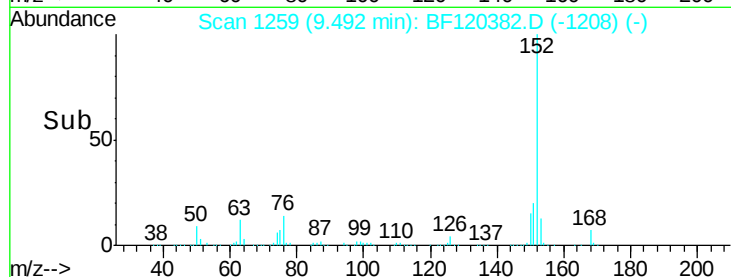
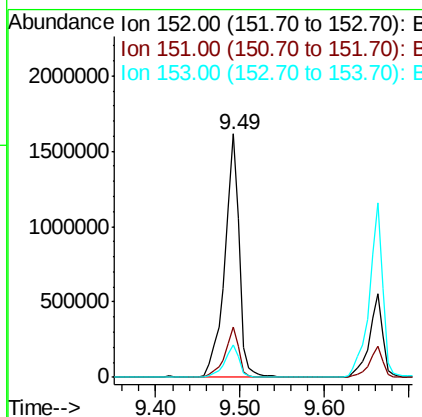
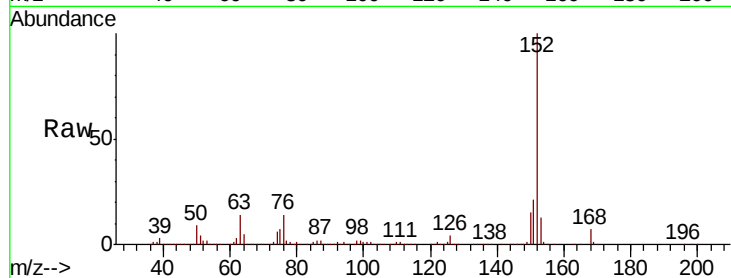
ClientSampleId :

COMP-3MS

Tot Ion:	152	Resp:	1916134
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0
153	13.5	11.1	16.7

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#50

Dimethylphthalate

Concen: 59.034 ng

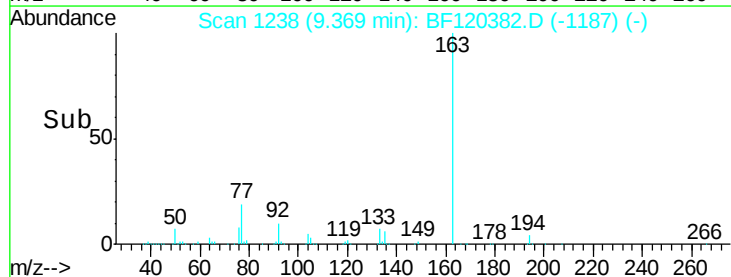
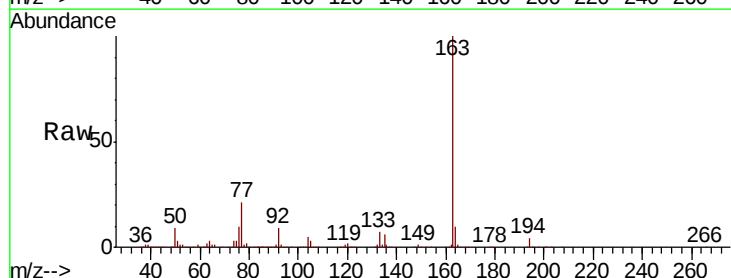
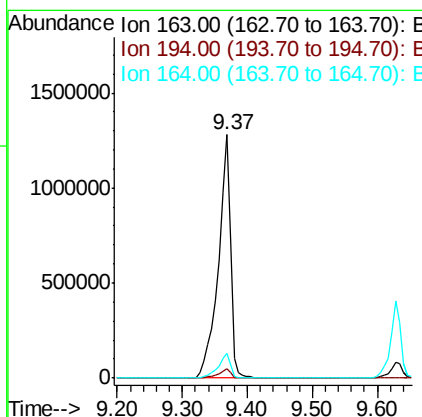
RT: 9.37 min Scan# 1238

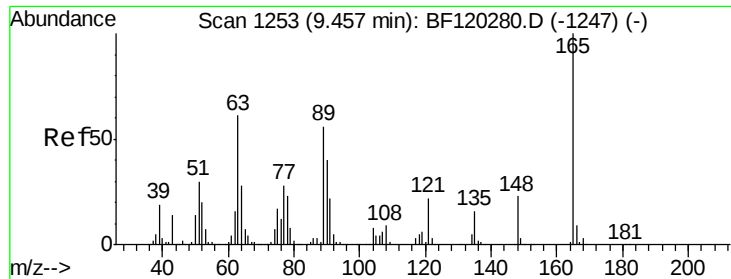
Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion:	163	Resp:	1677119
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.2	8.6	12.8





#51

2,6-Dinitrotoluene

Concen: 48.212 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

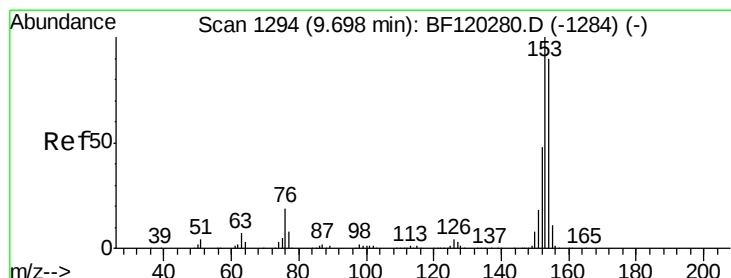
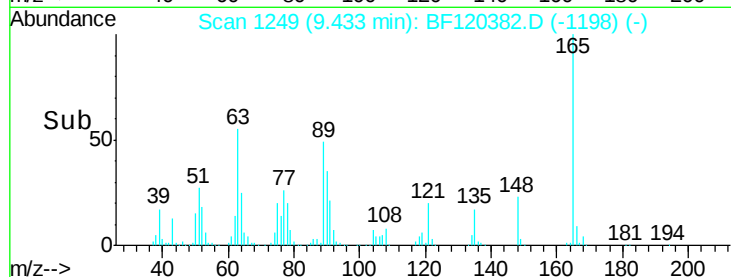
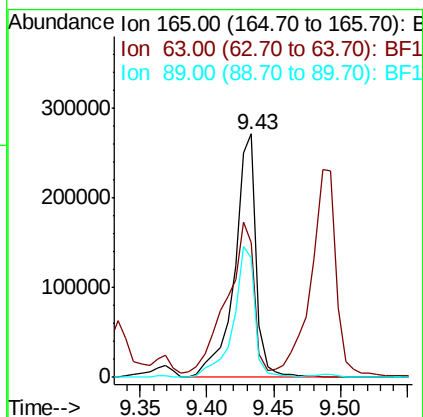
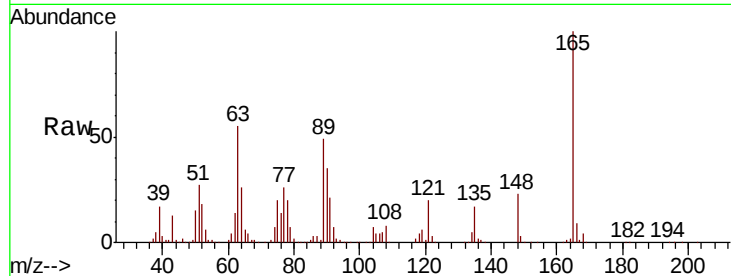
ClientSampleId :

COMP-3MS

Tot Ion:	165	Resp:	305694
Ion Ratio	Lower	Upper	
165	100		
63	55.2	50.2	75.2
89	48.9	44.6	66.8

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#52

Acenaphthene

Concen: 51.732 ng

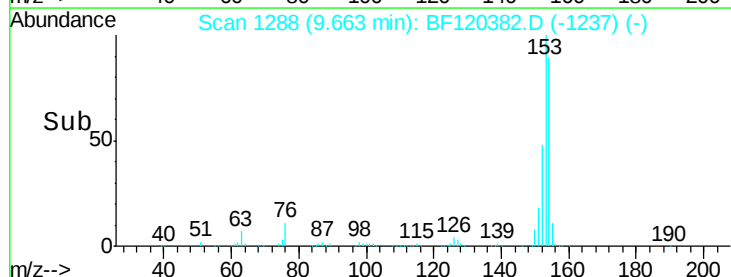
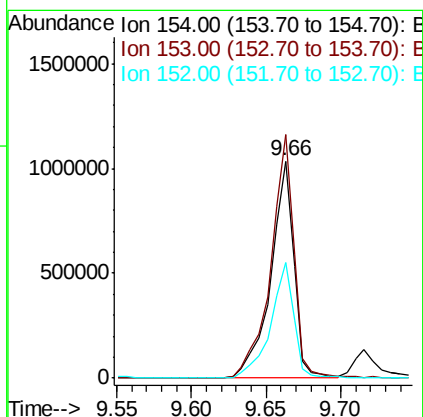
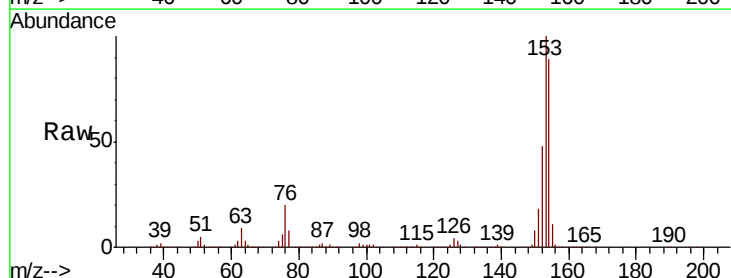
RT: 9.66 min Scan# 1288

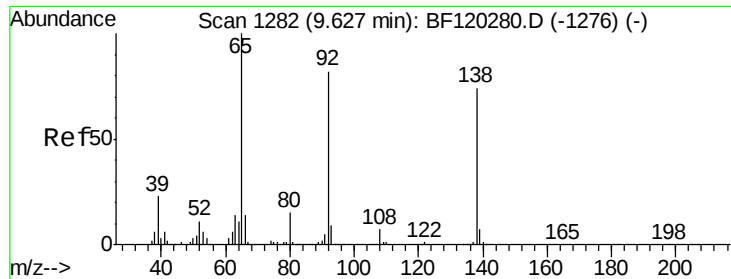
Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion:	154	Resp:	1118806
Ion Ratio	Lower	Upper	
154	100		
153	112.1	89.0	133.4
152	53.3	42.6	64.0





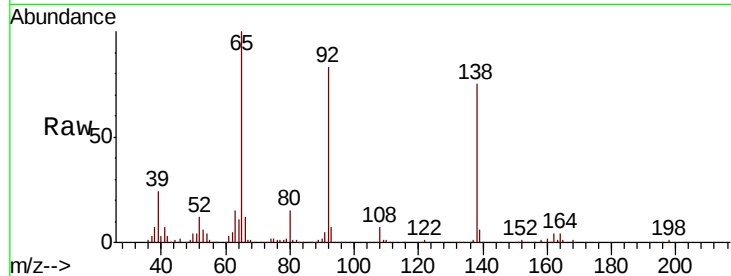
#53
3-Nitroaniline
Concen: 22.857 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.2	12.2
92	111.0	89.6	134.4

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM

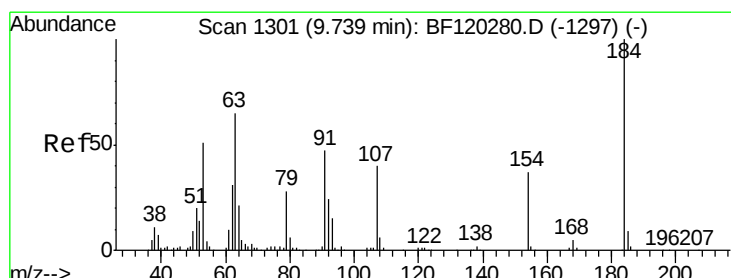
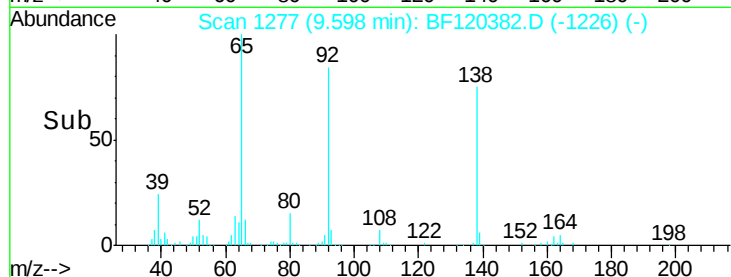
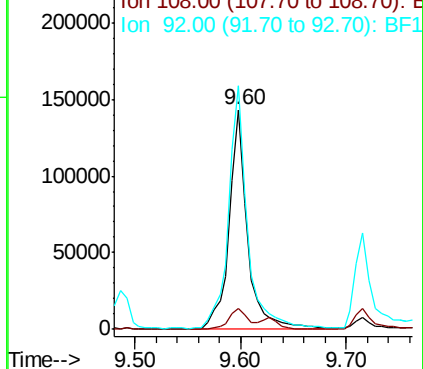


Abundance

Ion 138.00 (137.70 to 138.70): E

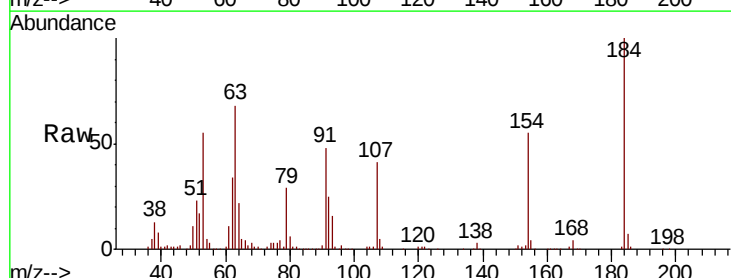
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 94.679 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
184	100		
63	68.4	53.6	80.4
154	55.2	46.8	70.2

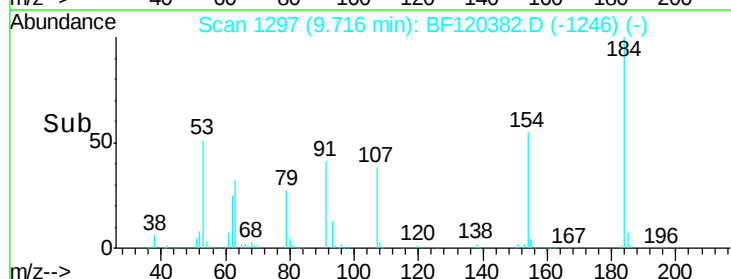
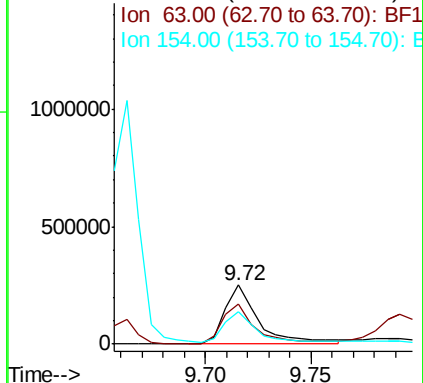


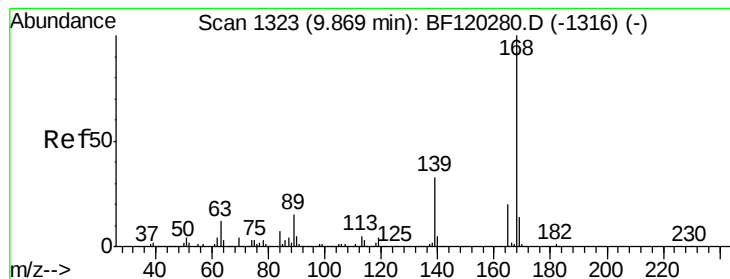
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 52.725 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

ClientSampled :

COMP-3MS

Tot Ion:168 Resp: 1642058

Ion Ratio Lower Upper

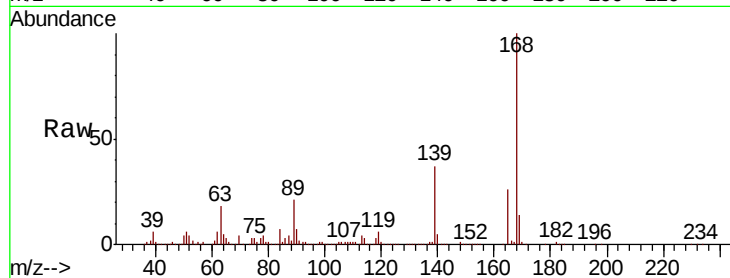
168 100

139 36.7 29.8 44.6

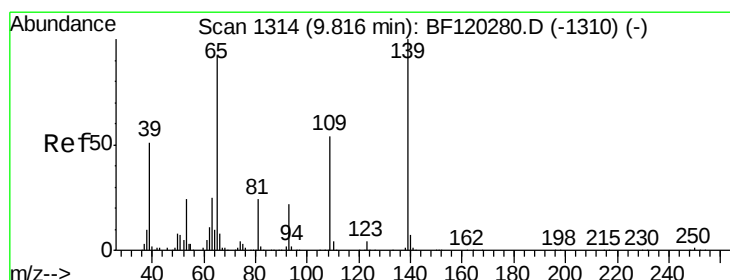
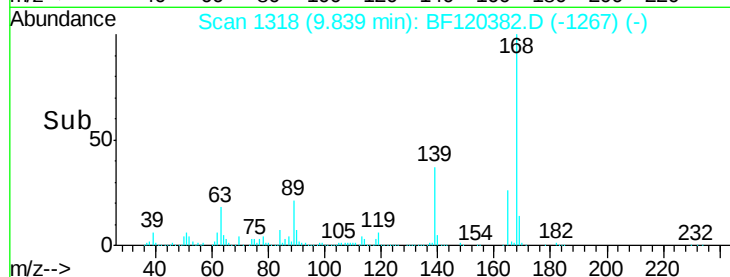
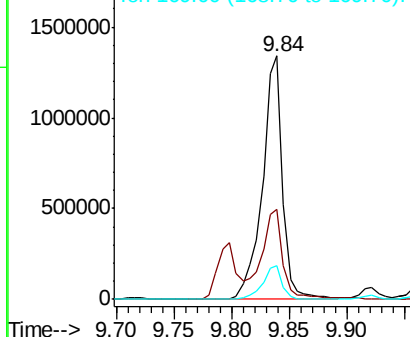
169 13.6 11.0 16.6

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 87.030 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

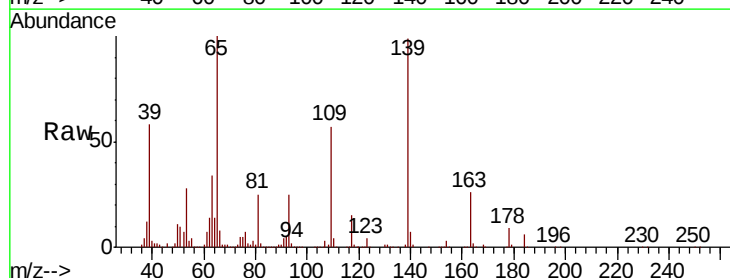
Tgt Ion:139 Resp: 353591

Ion Ratio Lower Upper

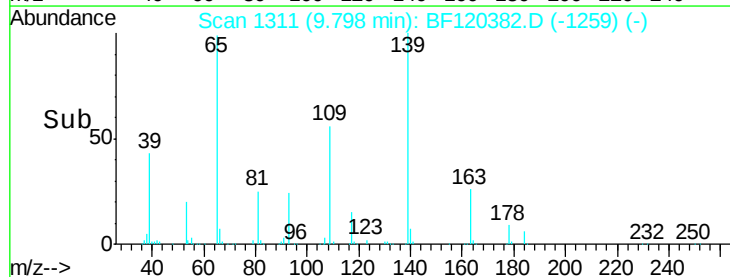
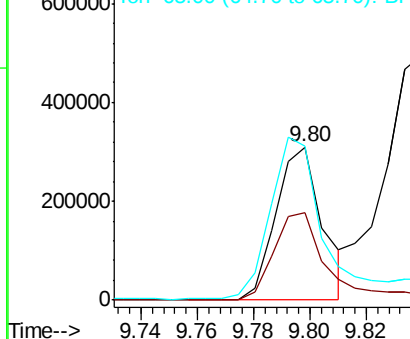
139 100

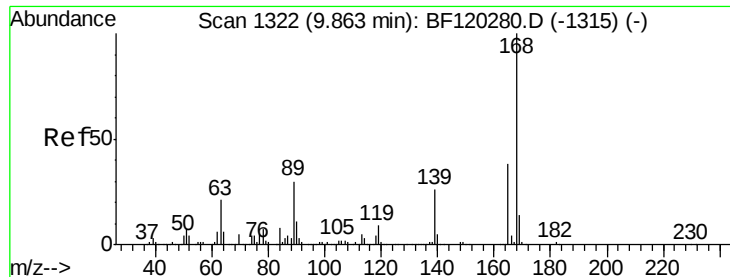
109 57.4 34.6 74.6

65 101.0 73.3 113.3



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





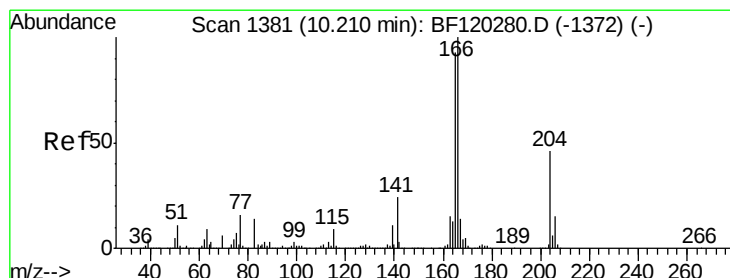
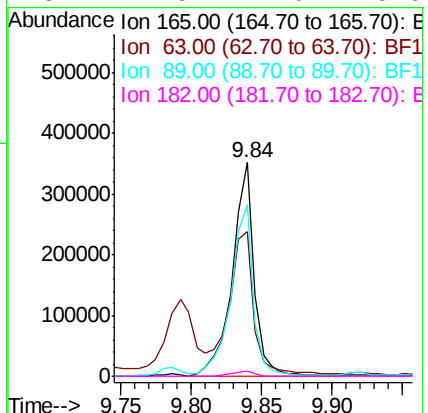
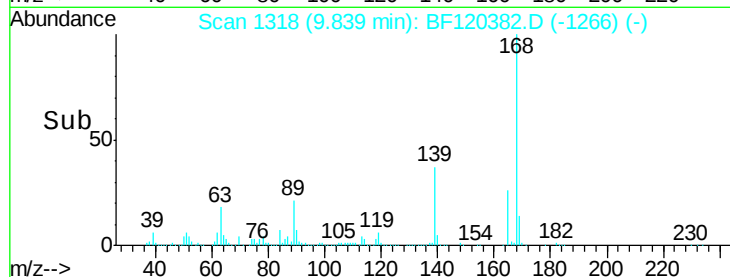
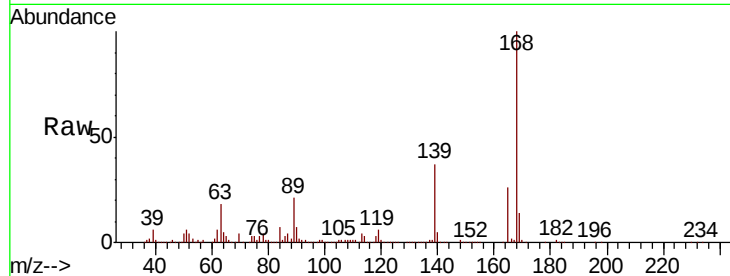
#57
 2,4-Dinitrotoluene
 Concen: 50.210 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	67.7	51.8	77.8	
89	80.2	64.2	96.4	
182	2.5	2.0	3.0	

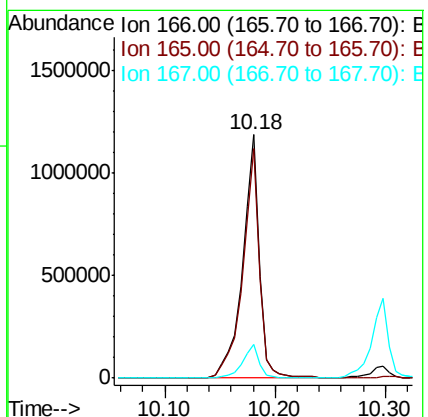
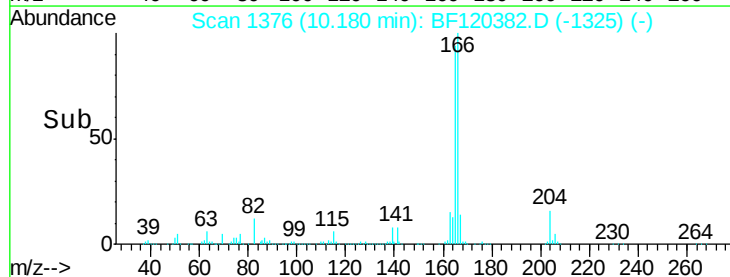
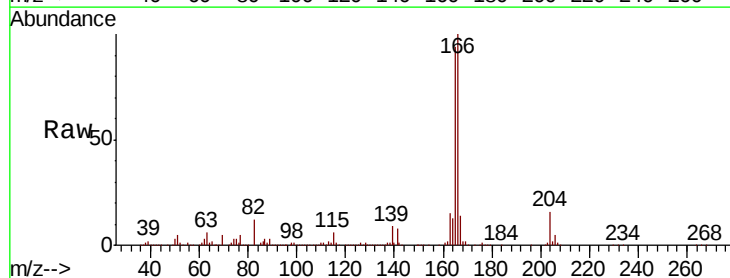
Manual Integrations
 APPROVED

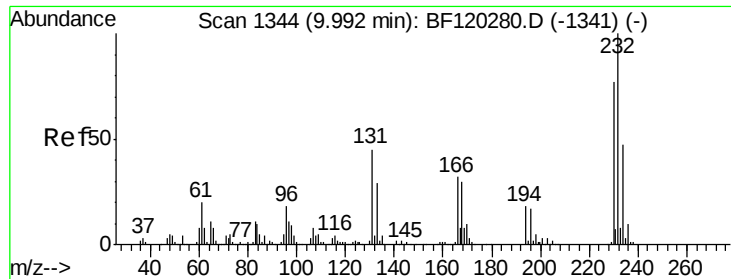
mohammad
 5/22/2020 2:55:45 PM



#58
 Fluorene
 Concen: 53.375 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	94.3	74.7	112.1	
167	14.0	11.4	17.0	





#59

2,3,4,6-Tetrachlorophenol

Concen: 49.404 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

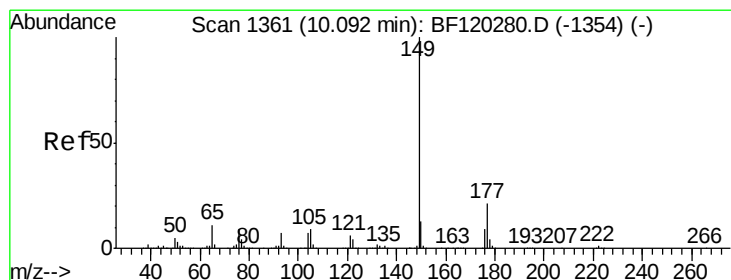
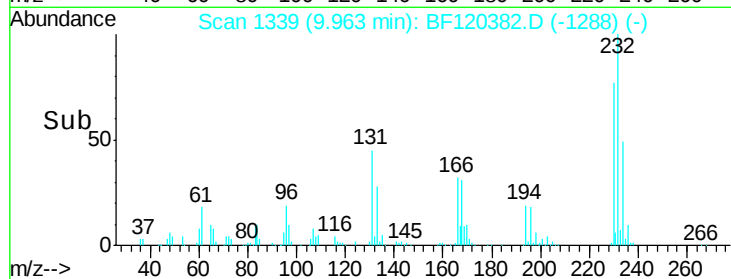
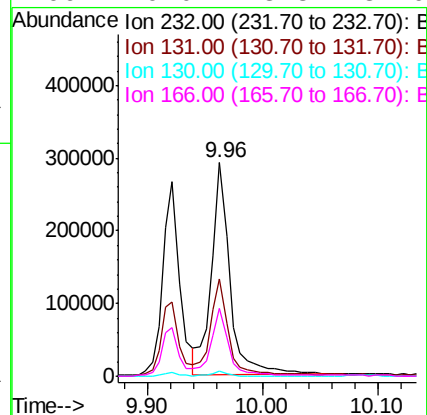
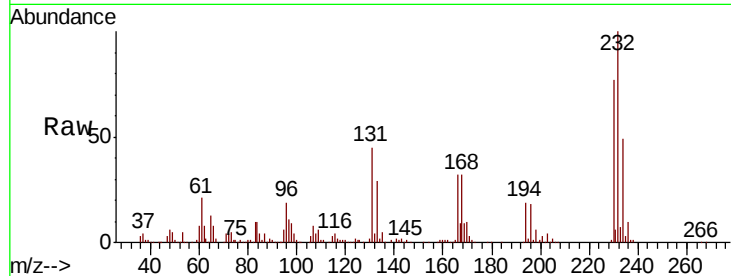
ClientSampleId :

COMP-3MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	43.9	34.1	51.1
130	2.3	1.7	2.5
166	29.0	23.3	34.9

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#60

Diethylphthalate

Concen: 50.267 ng

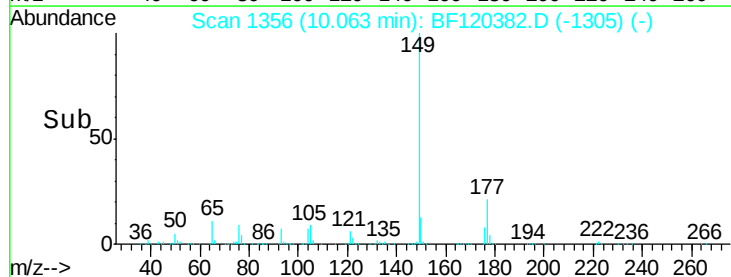
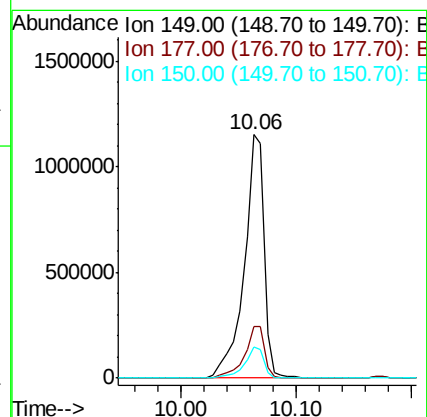
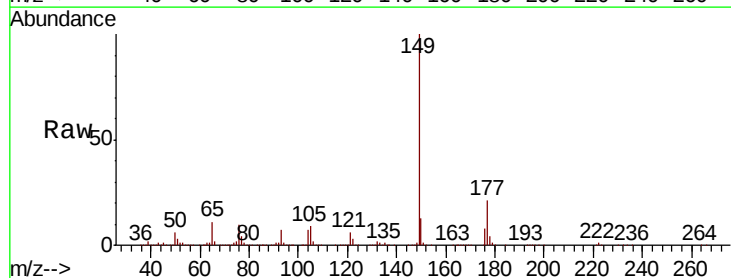
RT: 10.06 min Scan# 1356

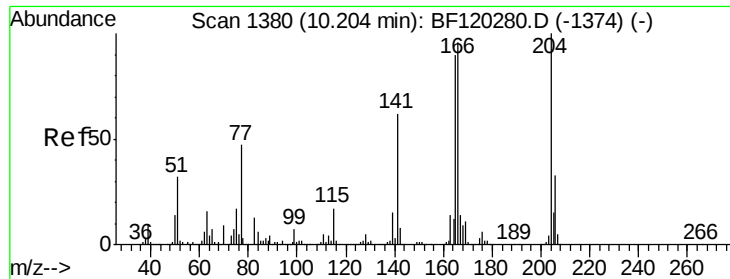
Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	17.1	25.7
150	12.6	10.3	15.5





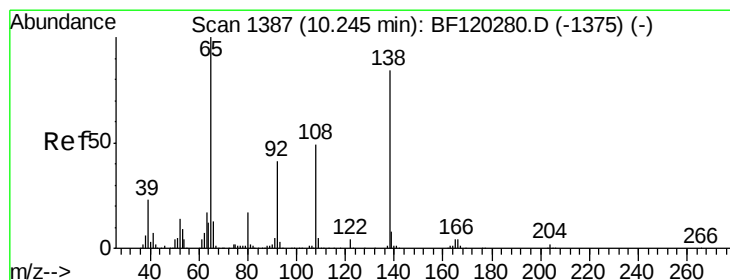
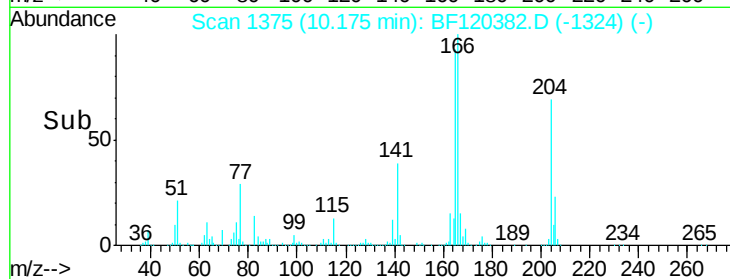
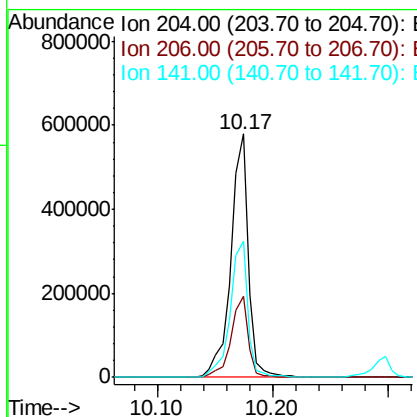
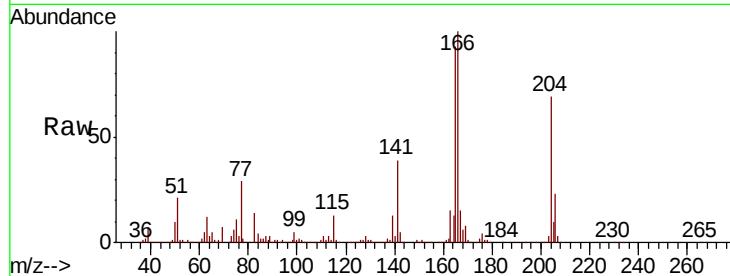
#61
 4-Chlorophenyl-phenylether
 Concen: 49.217 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion:	204	Resp:	606932
Ion Ratio		Lower	Upper
204	100		
206	33.2	26.8	40.2
141	55.8	49.5	74.3

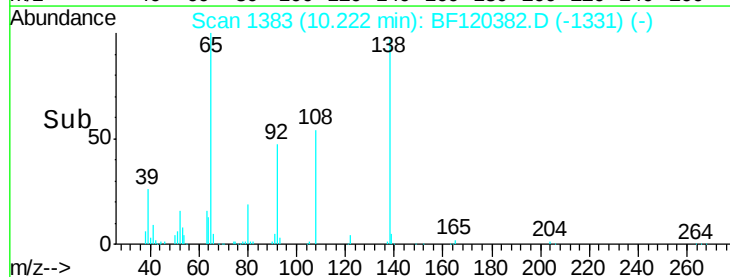
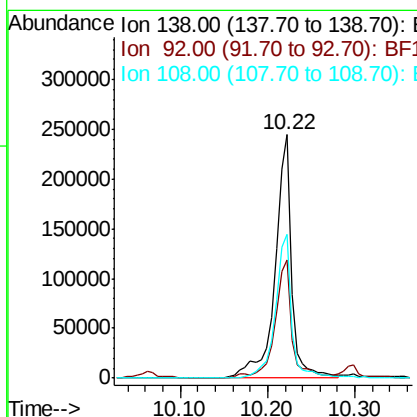
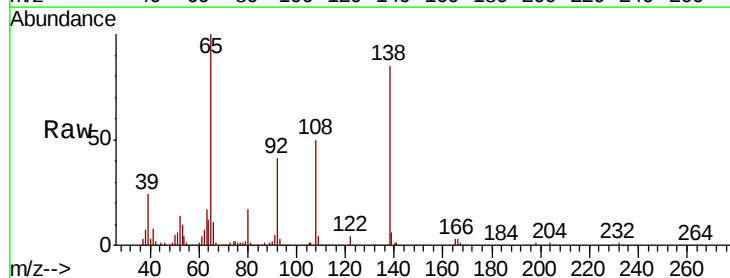
Manual Integrations
 APPROVED

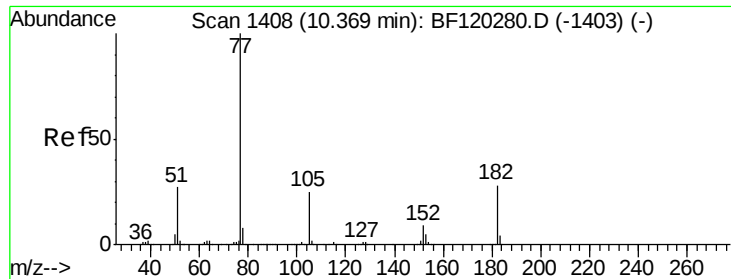
mohammad
 5/22/2020 2:55:45 PM



#62
 4-Nitroaniline
 Concen: 46.028 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion:	138	Resp:	324082
Ion Ratio		Lower	Upper
138	100		
92	48.7	28.9	68.9
108	58.9	38.4	78.4





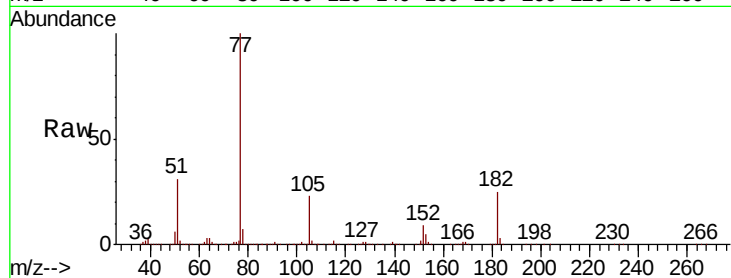
#63
Azobenzene
Concen: 51.069 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	24.9	7.4	47.4	
105	22.9	4.4	44.4	
51	31.1	8.3	48.3	

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



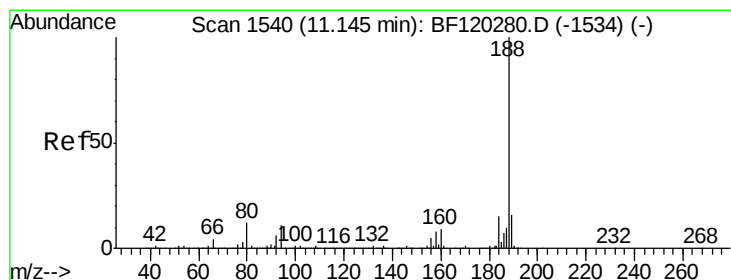
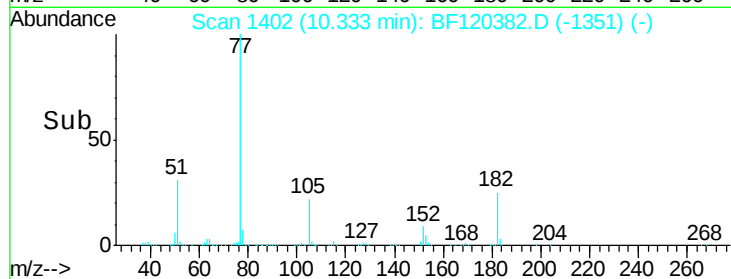
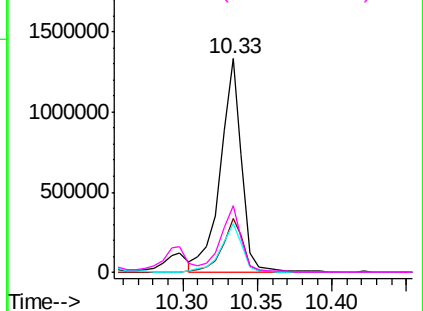
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

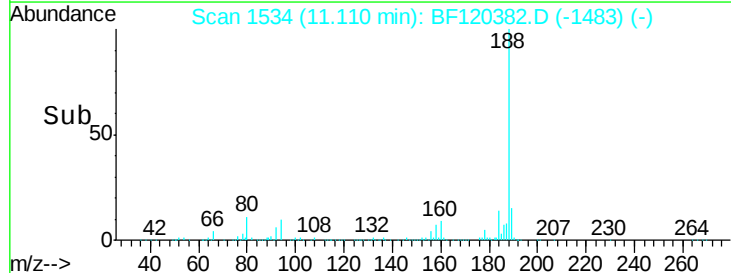
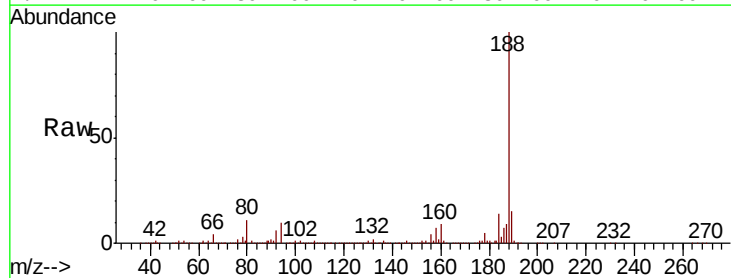
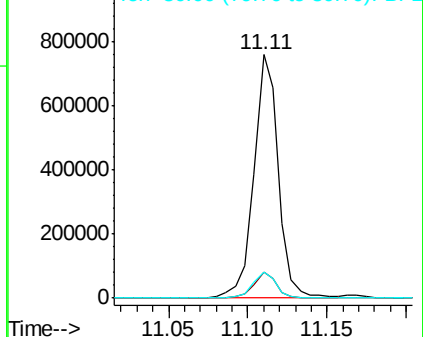
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.5	8.6	13.0	
80	10.7	9.2	13.8	

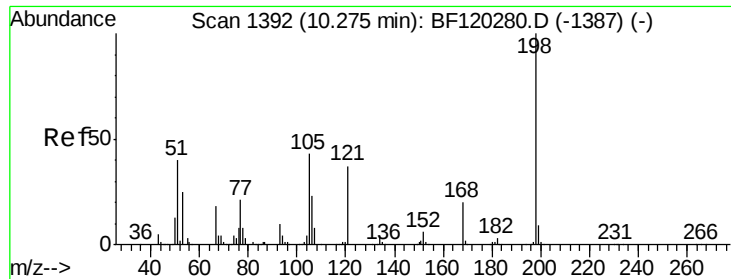
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 53.151 ng

RT: 10.25 min Scan# 1388

Delta R.T. 0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

ClientSampled :

COMP-3MS

Tot Ion:198 Resp: 219197
Ion Ratio Lower Upper

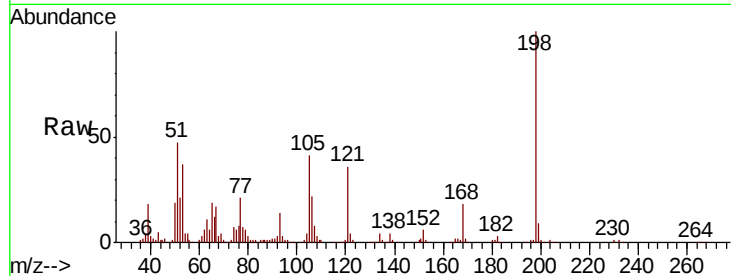
198 100

51 47.1 27.1 67.1

105 41.5 24.3 64.3

Manual Integrations
APPROVED

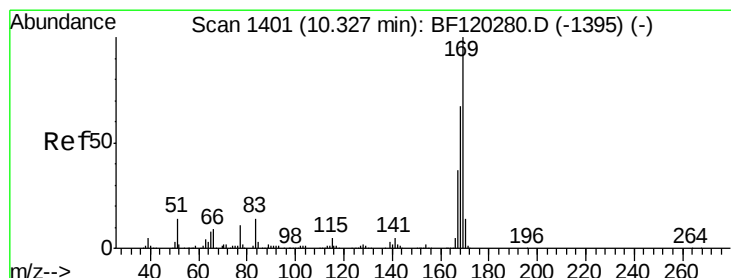
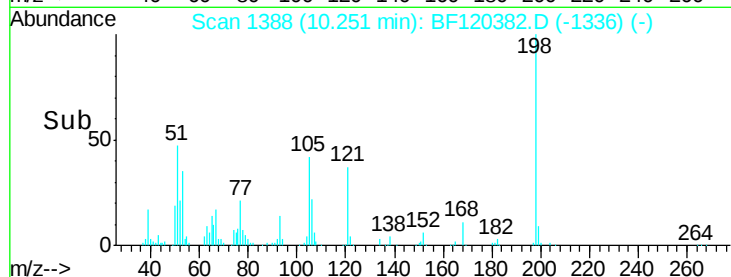
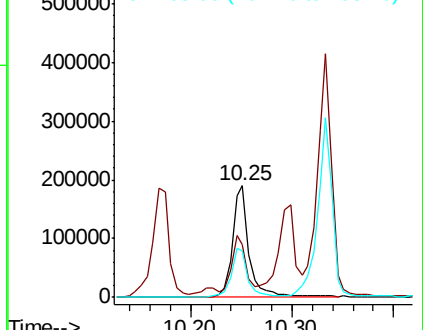
mohammad
5/22/2020 2:55:45 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 51.458 ng

RT: 10.30 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BF120382.D

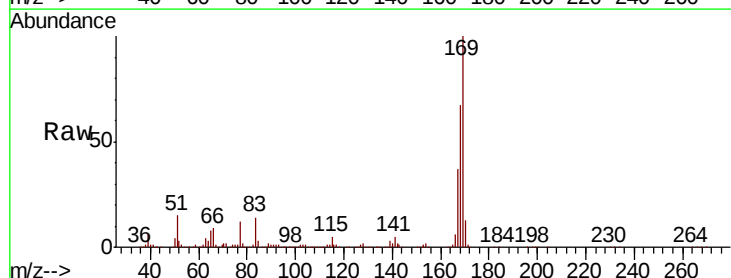
Acq: 21 May 2020 15:46

Tgt Ion:169 Resp: 1160921
Ion Ratio Lower Upper

169 100

168 67.4 53.7 80.5

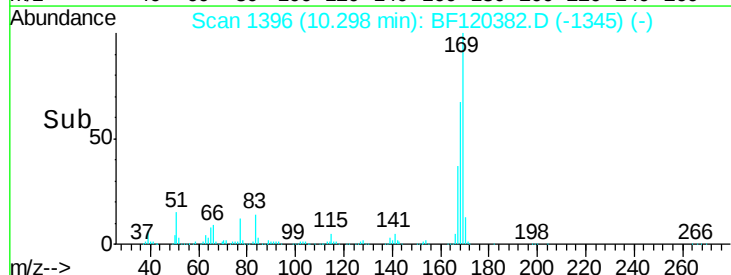
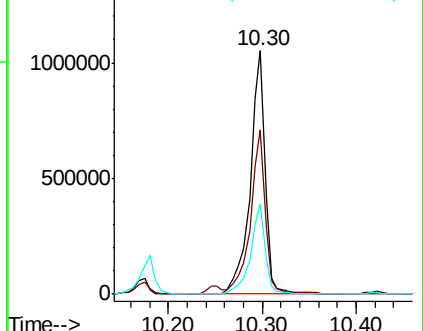
167 36.7 29.8 44.6

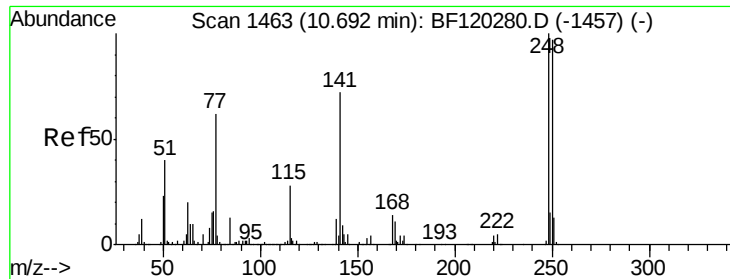


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





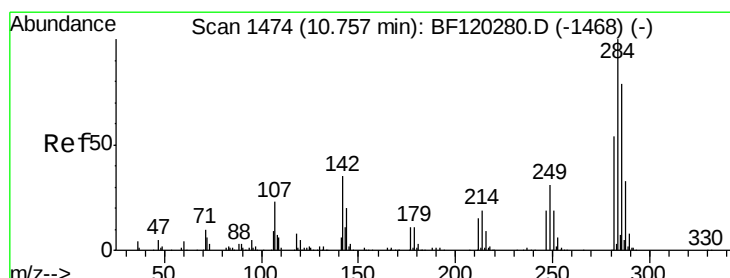
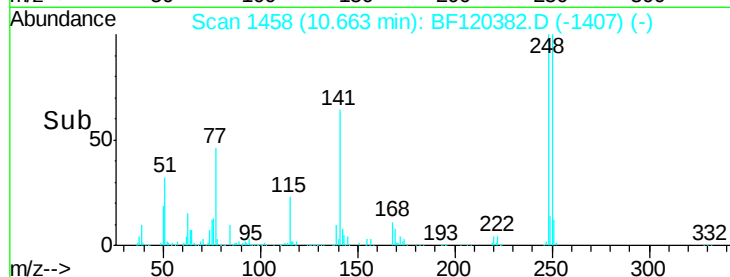
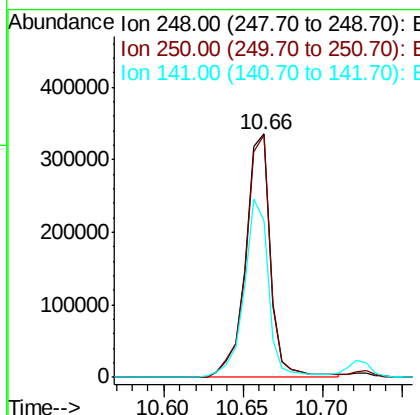
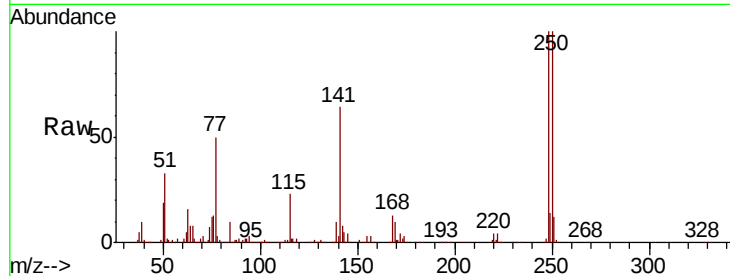
#67
4-Bromophenyl-phenylether
Concen: 46.244 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.8	77.8	116.6
141	64.5	57.7	86.5

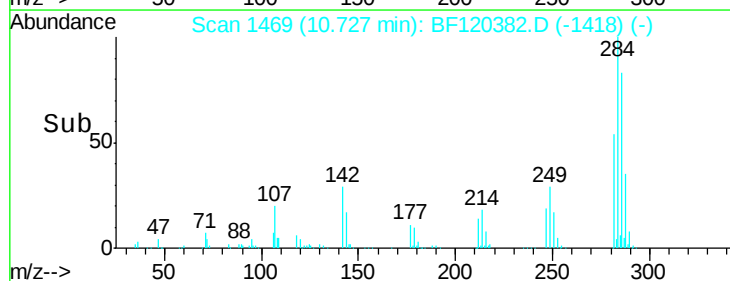
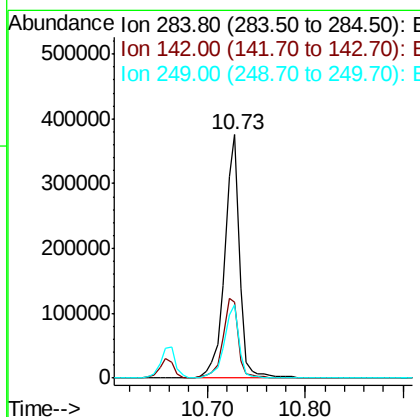
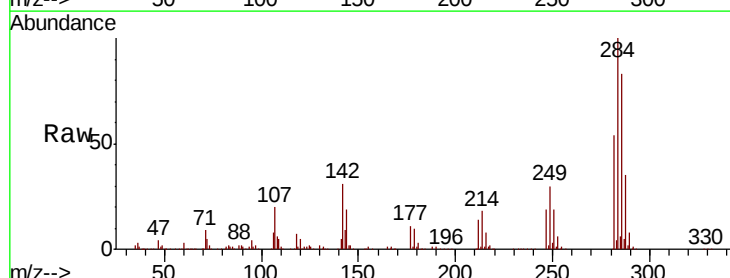
Manual Integrations
APPROVED

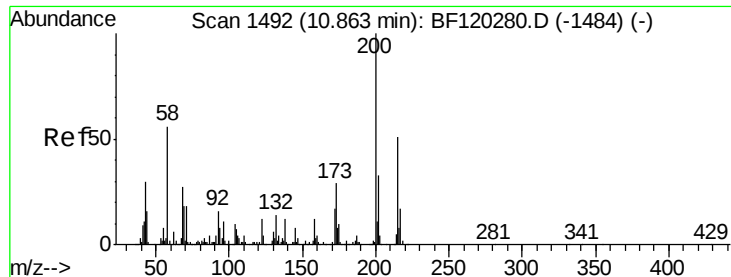
mohammad
5/22/2020 2:55:45 PM



#68
Hexachlorobenzene
Concen: 47.986 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.4	28.5	42.7
249	30.3	24.8	37.2





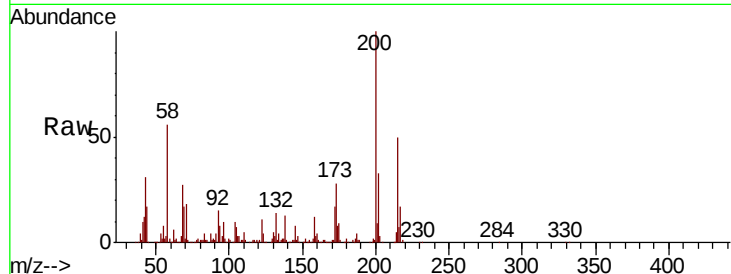
#69
Atrazine
Concen: 44.793 ng
RT: 10.83 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

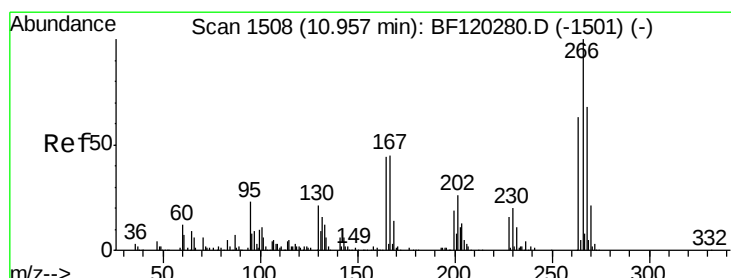
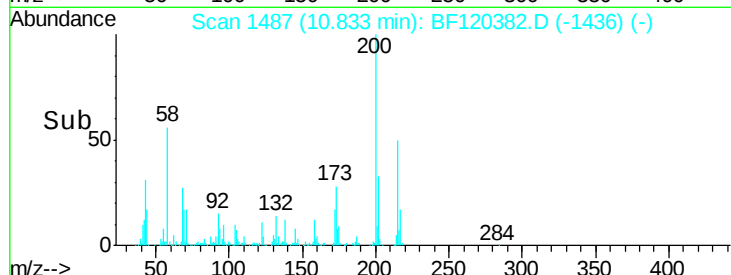
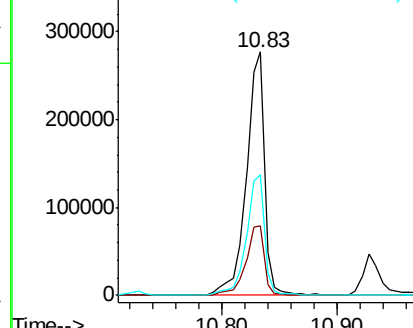
Tot Ion	Ratio	Resp	Lower	Upper
200	100	302383		
173	28.5		8.7	48.7
215	49.7		30.6	70.6

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM

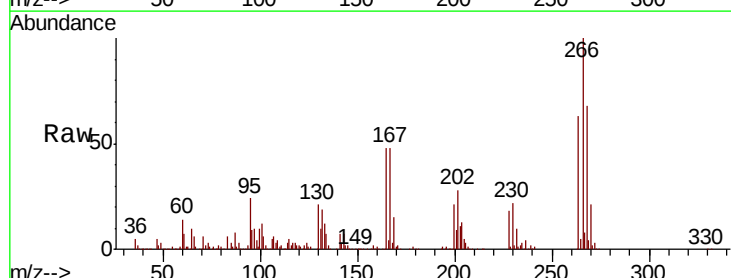


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

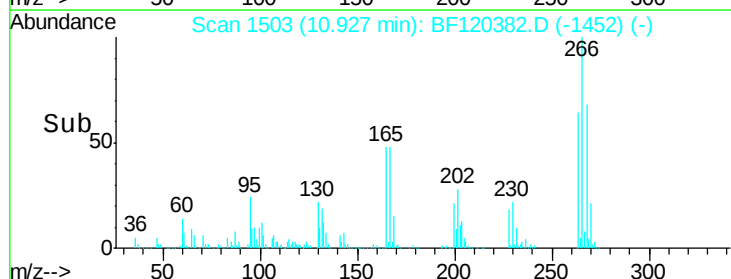
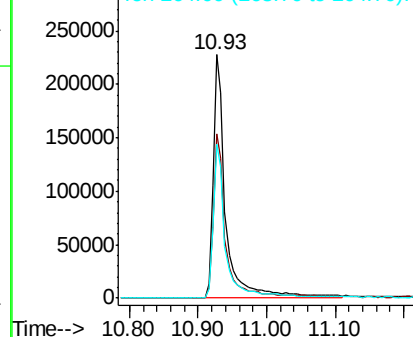


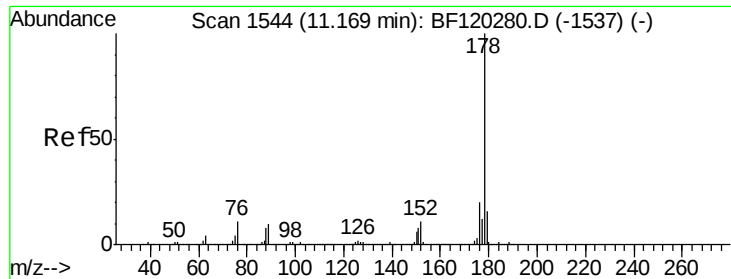
#70
Pentachlorophenol
Concen: 83.928 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	295500		
268	67.6		54.2	81.4
264	63.5		50.2	75.4



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: 51.764 ng

RT: 11.14 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

ClientSampleId :

COMP-3MS

Tot Ion:178 Resp: 1773747

Ion Ratio Lower Upper

178 100

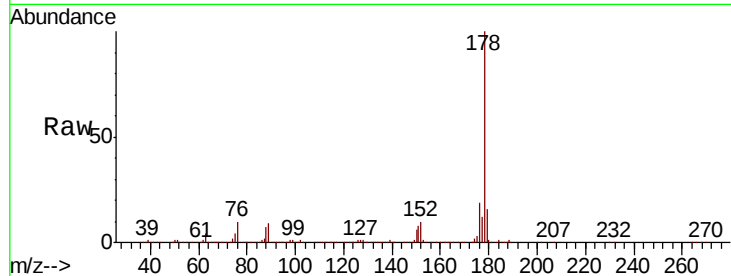
176 19.3 15.8 23.8

179 15.6 12.8 19.2

Manual Integrations
APPROVED

mohammad

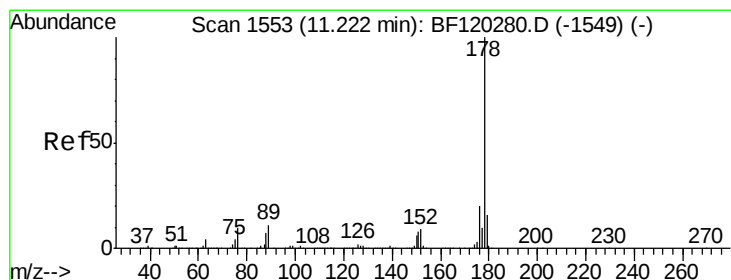
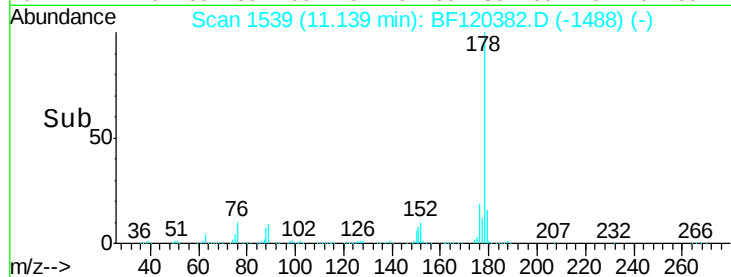
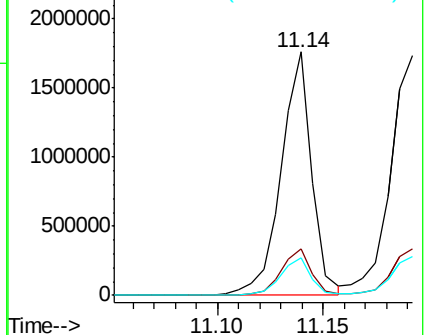
5/22/2020 2:55:45 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.726 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion:178 Resp: 1934136

Ion Ratio Lower Upper

178 100

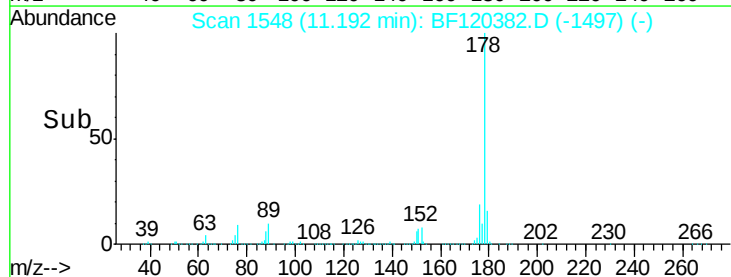
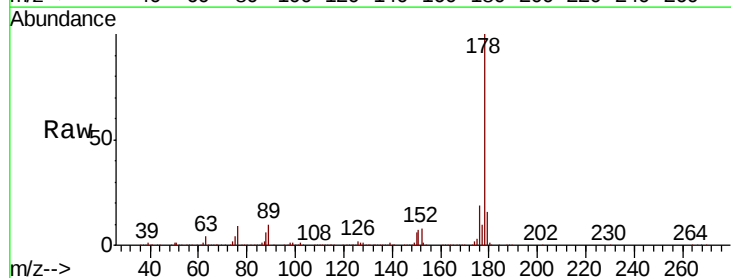
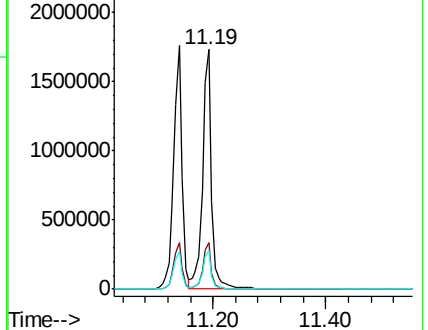
176 19.3 15.7 23.5

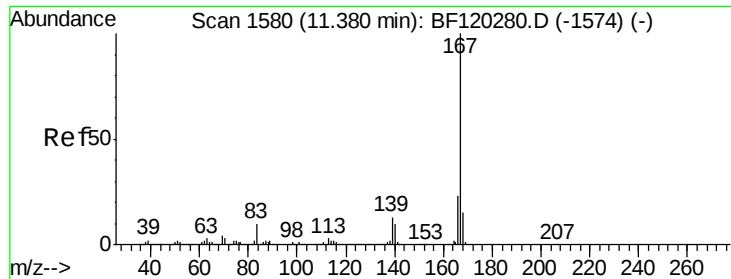
179 16.0 13.0 19.6

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





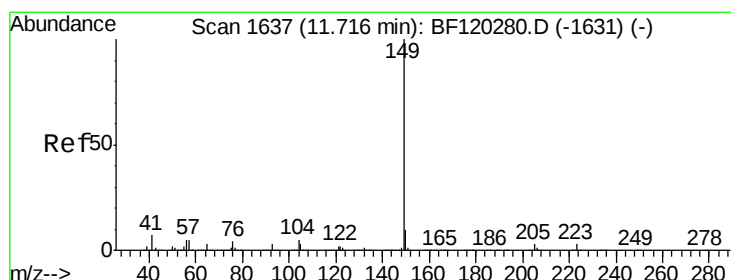
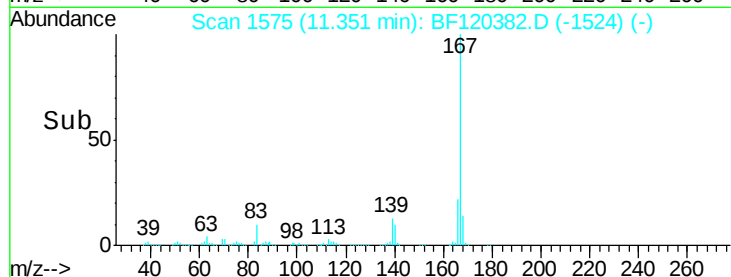
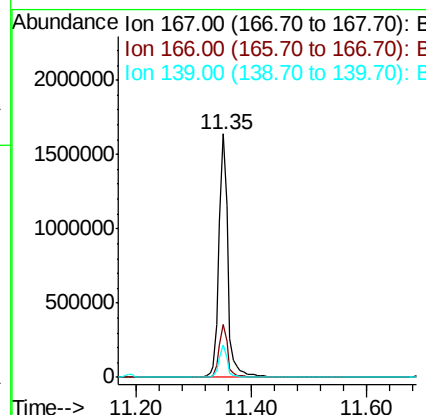
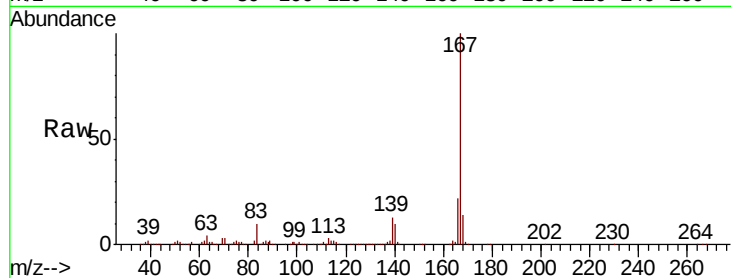
#73
 Carbazole
 Concen: 51.282 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	13.1	10.6	15.8

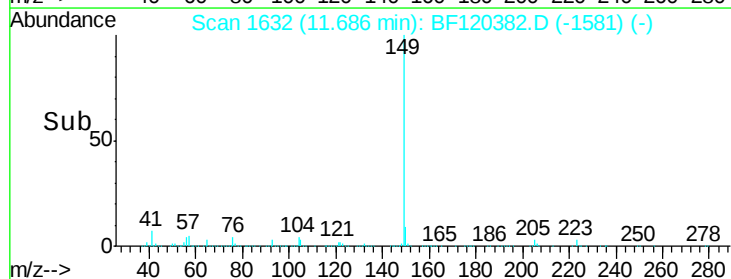
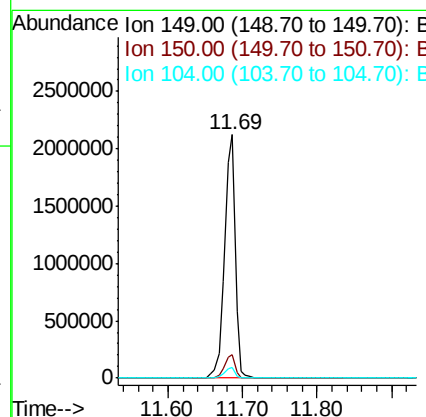
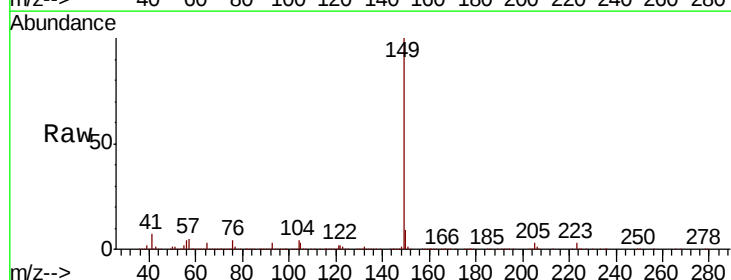
Manual Integrations
 APPROVED

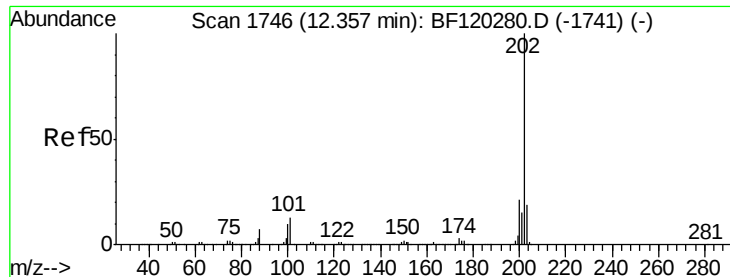
mohammad
 5/22/2020 2:55:45 PM



#74
 Di-n-butylphthalate
 Concen: 50.382 ng
 RT: 11.69 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	8.2	12.4
104	4.4	3.8	5.8





#75

Fluoranthene

Concen: 54.156 ng

RT: 12.32 min Scan# 1740

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

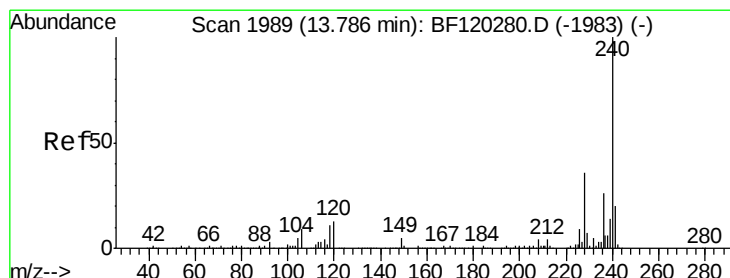
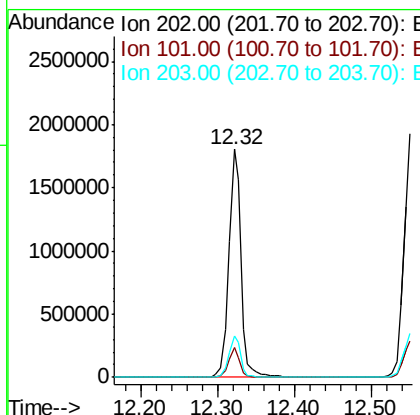
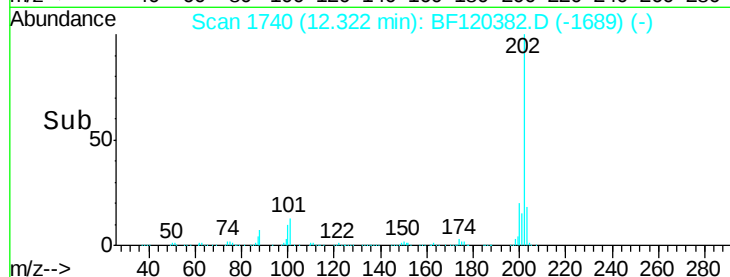
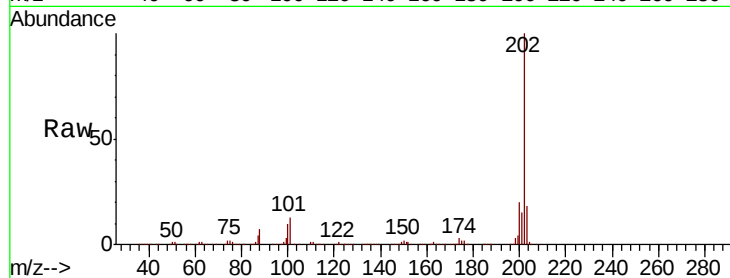
ClientSampleId :

COMP-3MS

Tot Ion:	202	Resp:	1989011
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	18.2	0.0	39.1

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#76

Chrysene-d12

Concen: 20.000 ng

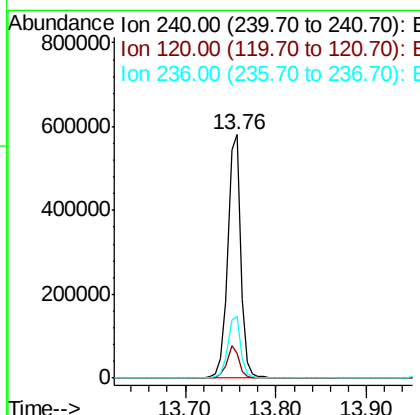
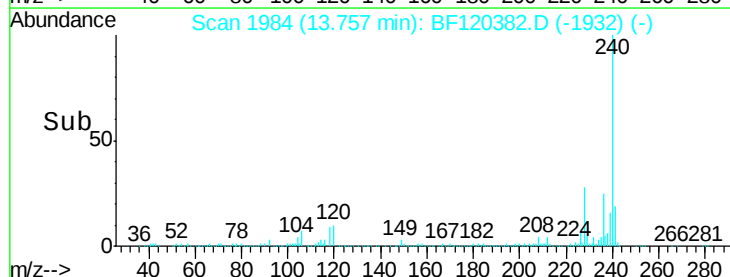
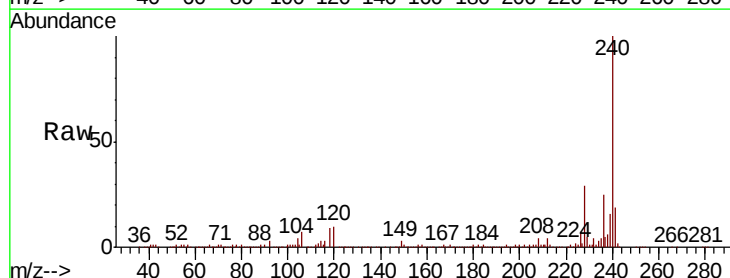
RT: 13.76 min Scan# 1984

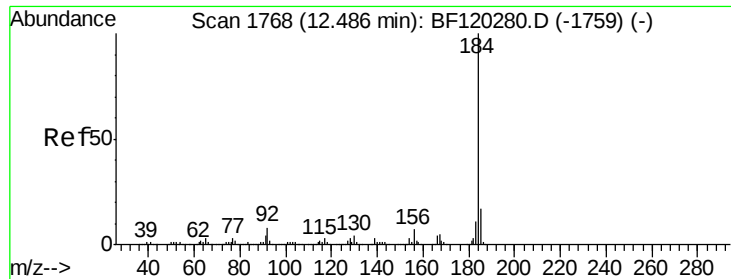
Delta R.T. 0.01 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion:	240	Resp:	571726
Ion Ratio	Lower	Upper	
240	100		
120	10.0	10.4	15.6#
236	25.4	21.0	31.6





#77

Benzidine

Concen: 53.767 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Instrument :

BNA_F

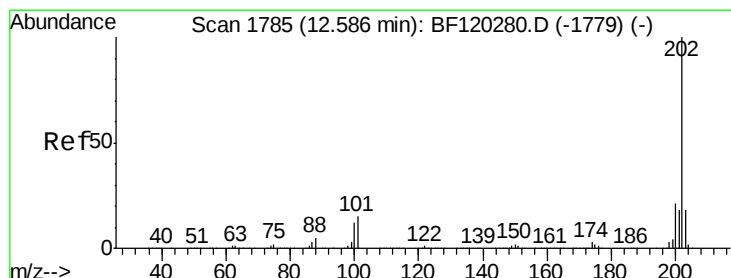
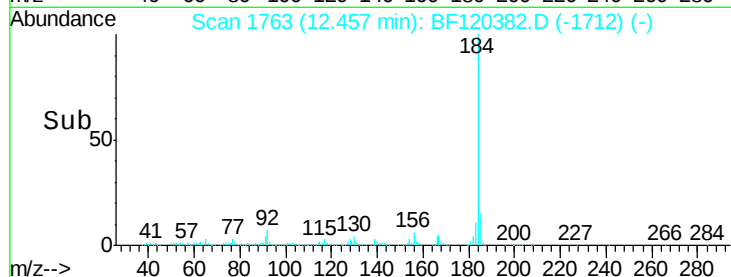
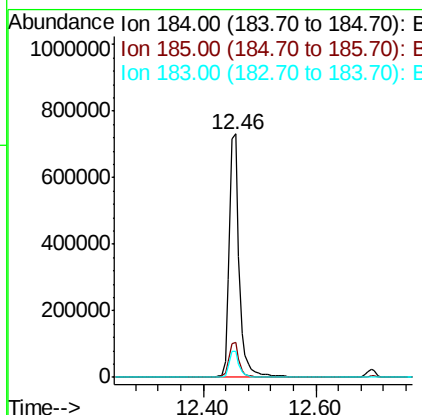
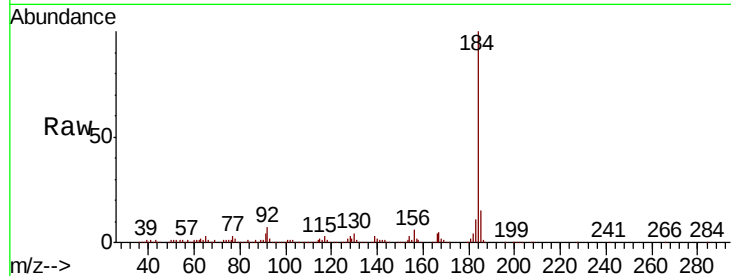
ClientSampled :

COMP-3MS

Tot Ion:	184	Resp:	897661
Ion Ratio	Lower	Upper	
184	100		
185	14.6	13.7	20.5
183	10.7	8.7	13.1

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#78

Pyrene

Concen: 49.509 ng

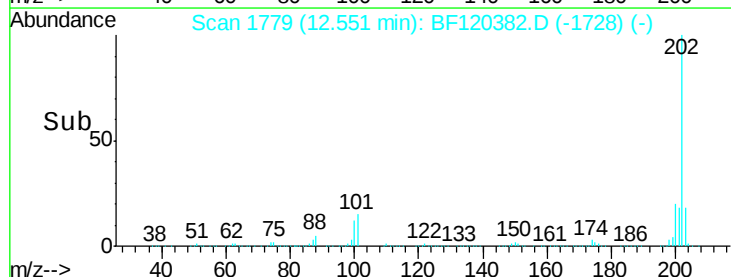
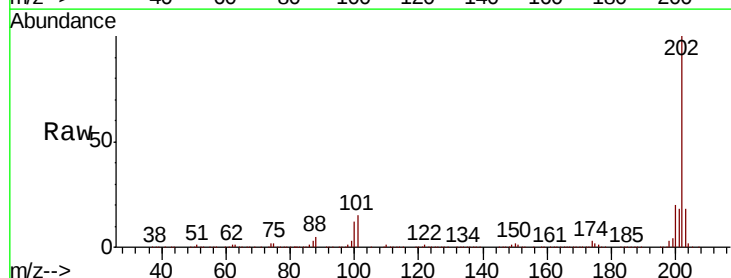
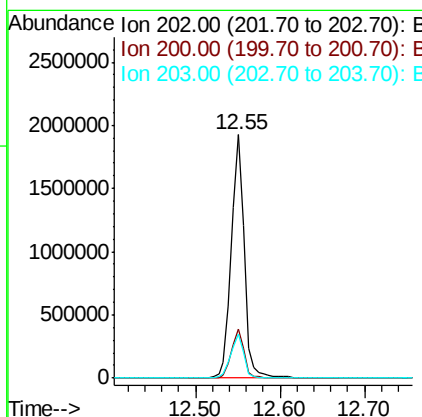
RT: 12.55 min Scan# 1779

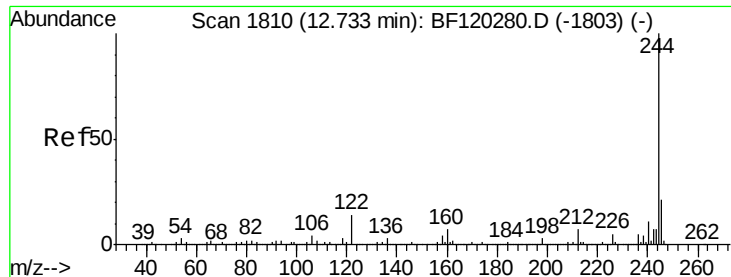
Delta R.T. 0.00 min

Lab File: BF120382.D

Acq: 21 May 2020 15:46

Tgt Ion:	202	Resp:	2017909
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.6	25.0
203	18.3	14.6	22.0





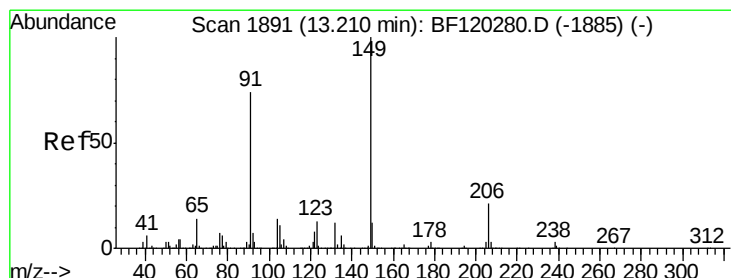
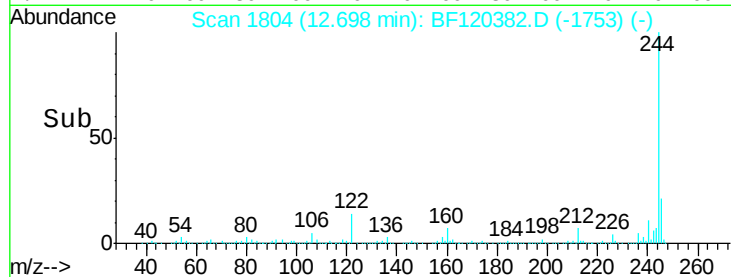
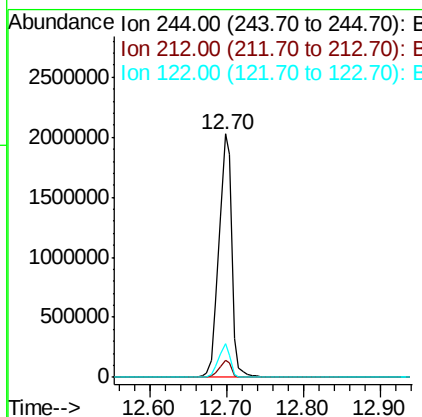
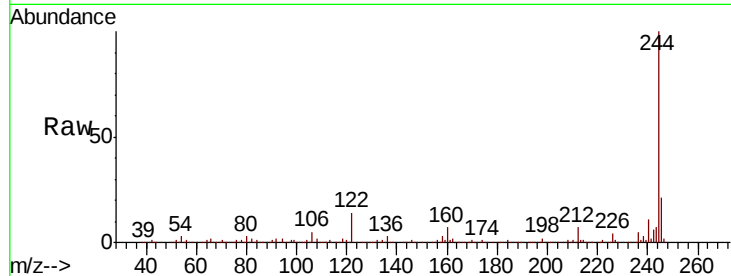
#79
 Terphenyl-d14
 Concen: 89.662 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	13.7	10.8	16.2

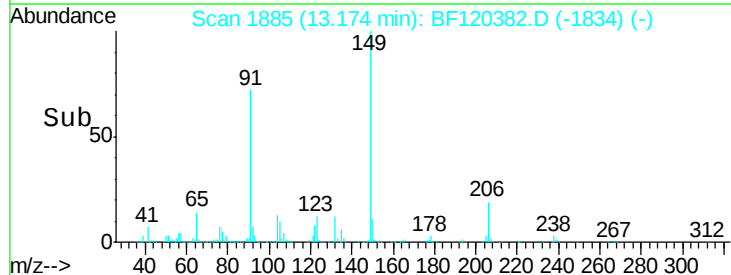
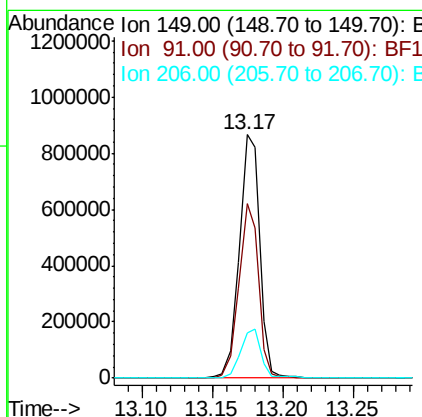
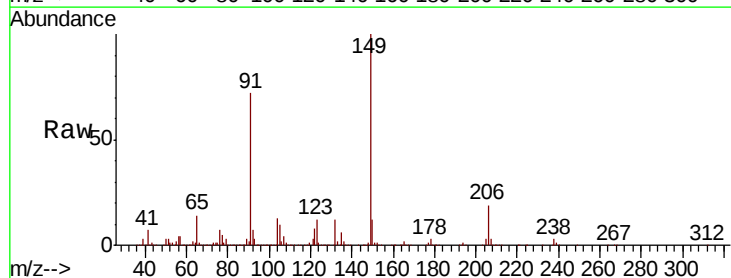
Manual Integrations
 APPROVED

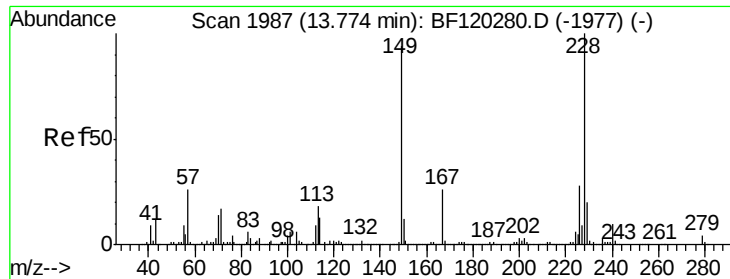
mohammad
 5/22/2020 2:55:45 PM



#80
 Butylbenzylphthalate
 Concen: 45.585 ng
 RT: 13.17 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.6	59.0	88.4
206	18.7	16.8	25.2





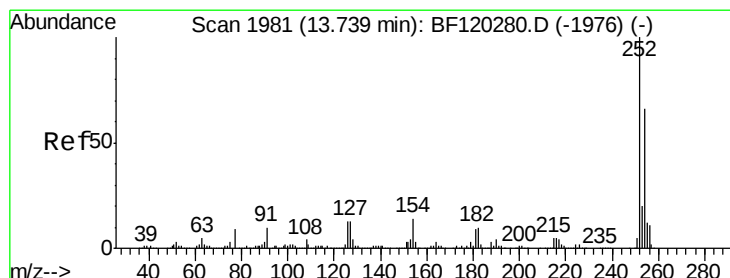
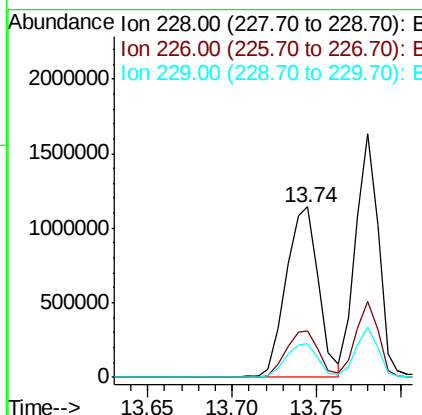
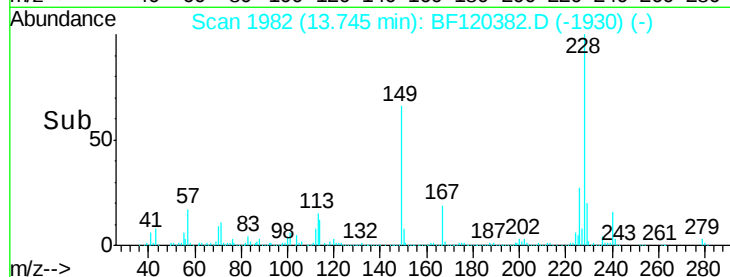
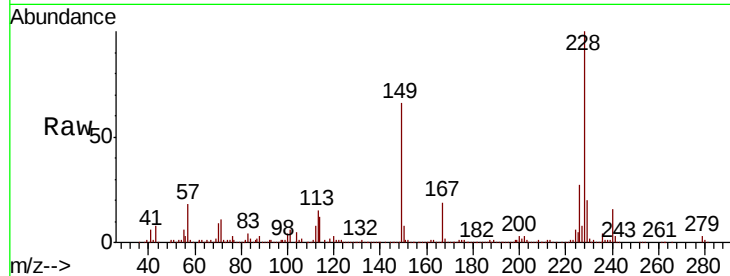
#81
Benzo(a)anthracene
Concen: 50.615 ng
RT: 13.74 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion:228 Resp: 1526294
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 19.7 16.4 24.6

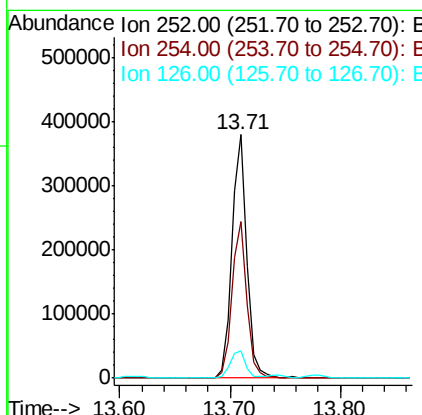
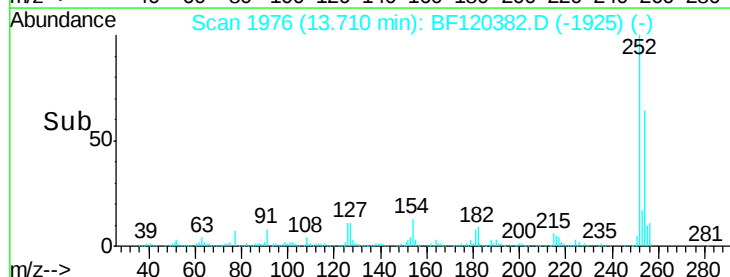
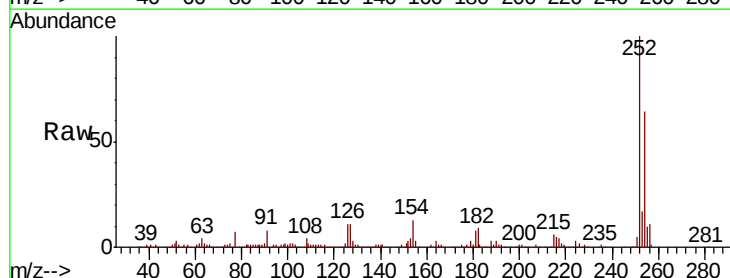
Manual Integrations
APPROVED

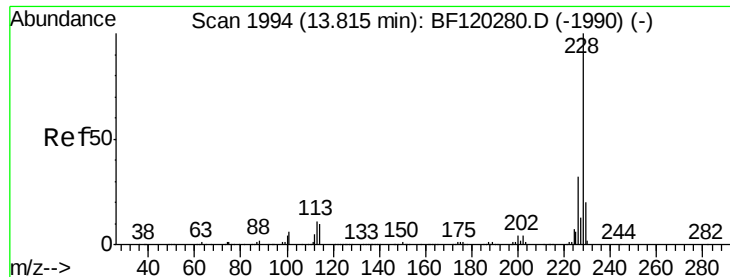
mohammad
5/22/2020 2:55:45 PM



#82
3,3'-Dichlorobenzidine
Concen: 31.737 ng
RT: 13.71 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion:252 Resp: 360649
Ion Ratio Lower Upper
252 100
254 64.4 52.6 78.8
126 11.0 10.7 16.1





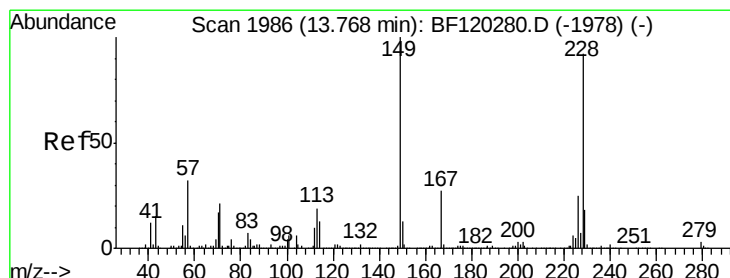
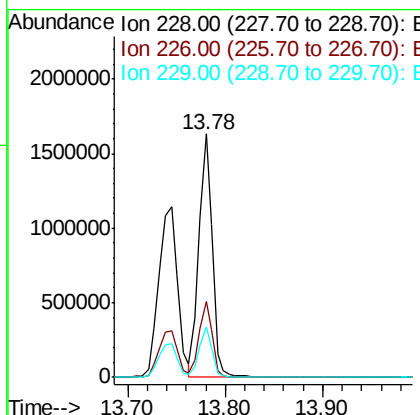
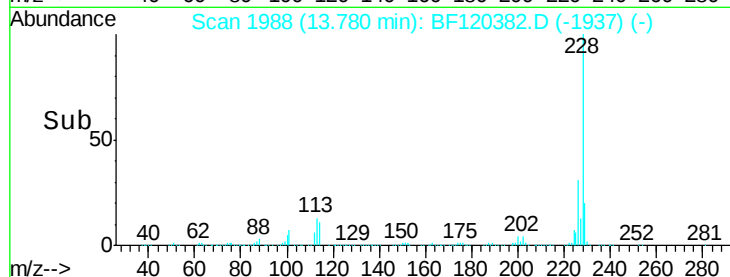
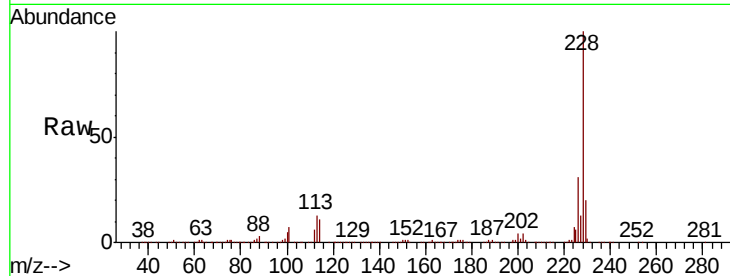
#83
 Chrysene
 Concen: 48.012 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3MS

Tot Ion:228 Resp: 1554647
 Ion Ratio Lower Upper
 228 100
 226 31.4 25.0 37.6
 229 20.4 16.2 24.4

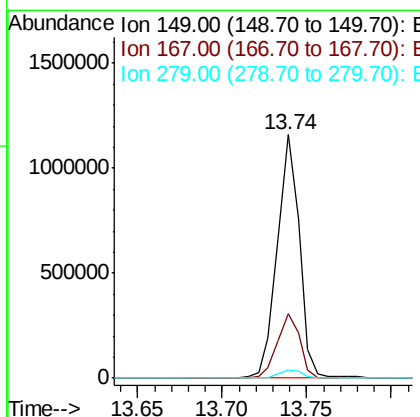
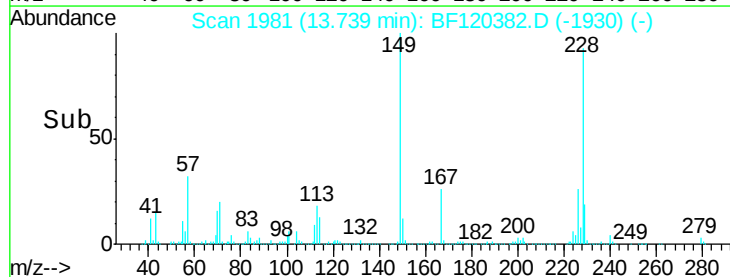
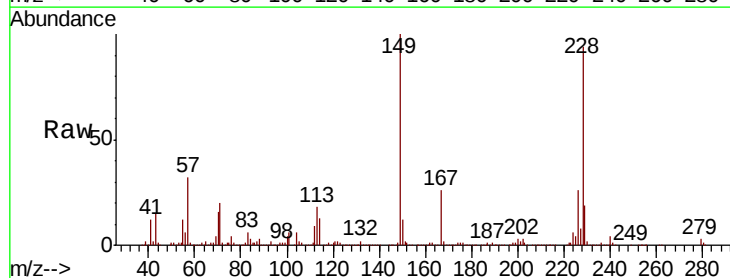
Manual Integrations
 APPROVED

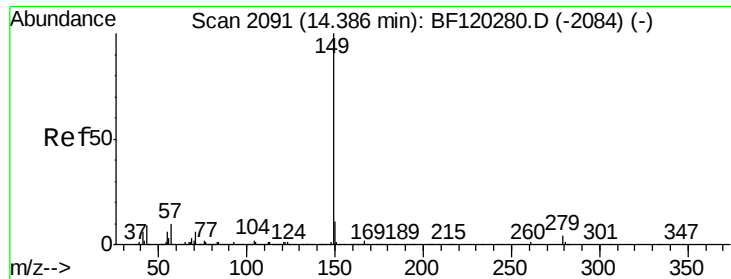
mohammad
 5/22/2020 2:55:45 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.097 ng
 RT: 13.74 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: BF120382.D
 Acq: 21 May 2020 15:46

Tgt Ion:149 Resp: 1052972
 Ion Ratio Lower Upper
 149 100
 167 26.4 21.8 32.8
 279 3.2 2.8 4.2





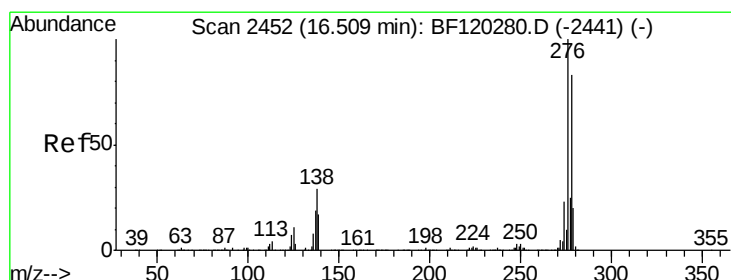
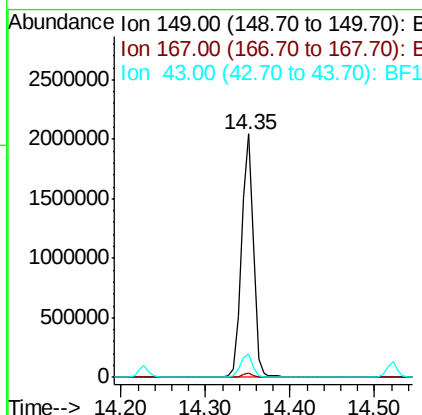
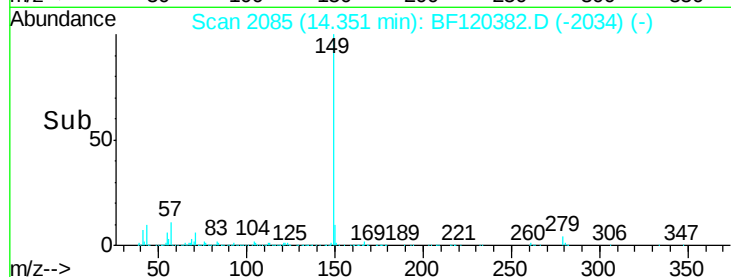
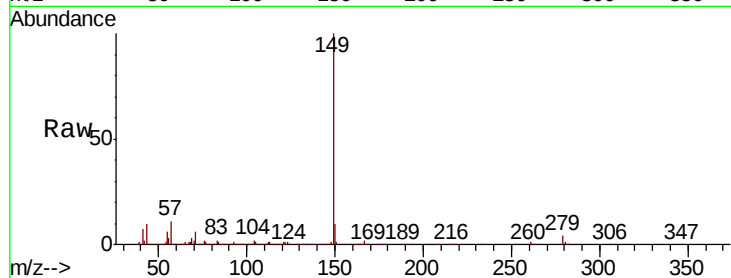
#85
Di-n-octyl phthalate
Concen: 45.039 ng
RT: 14.35 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion:149 Resp: 1934743
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 9.8 7.5 11.3

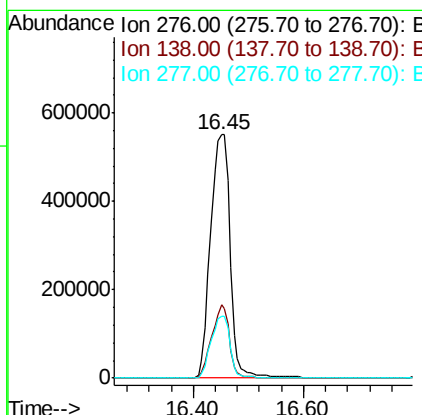
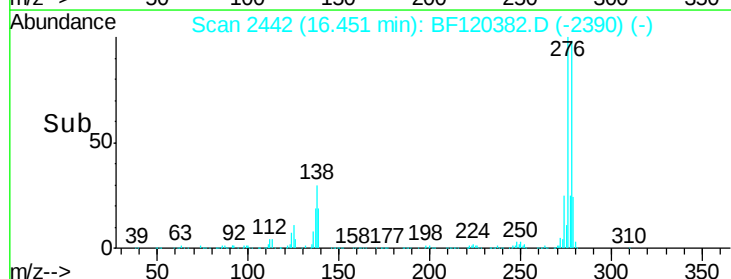
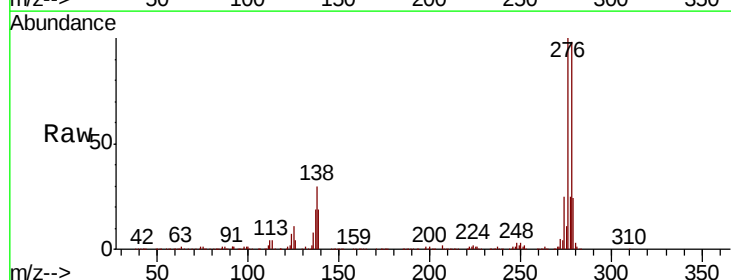
Manual Integrations
APPROVED

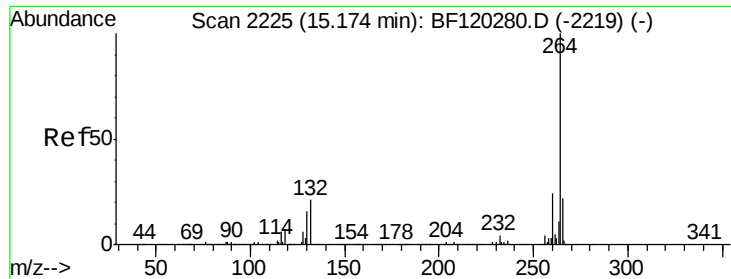
mohammad
5/22/2020 2:55:45 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 46.420 ng
RT: 16.45 min Scan# 2442
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion:276 Resp: 1364222
Ion Ratio Lower Upper
276 100
138 26.9 23.3 34.9
277 24.5 20.2 30.4





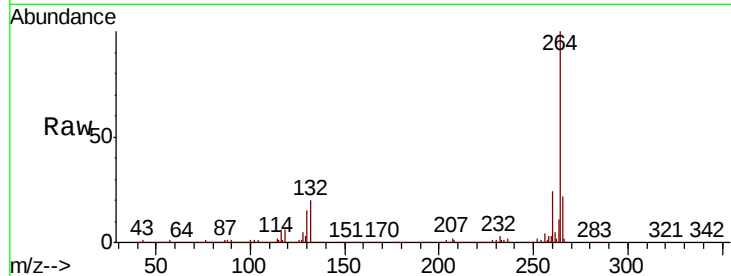
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

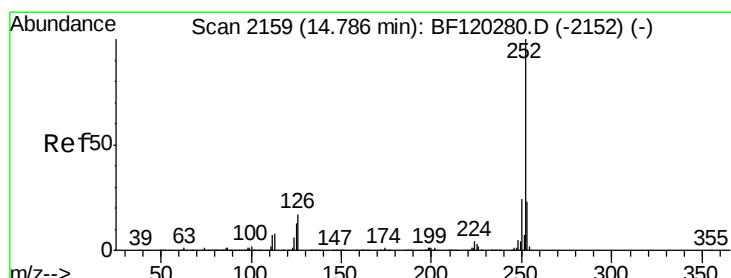
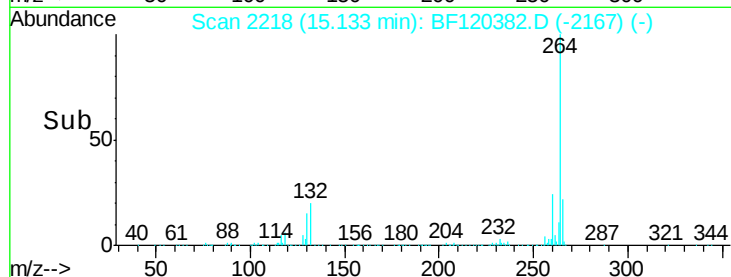
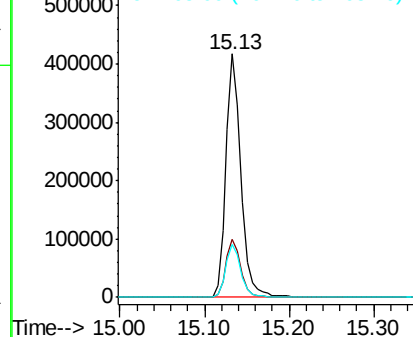
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.9	17.5	26.3

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



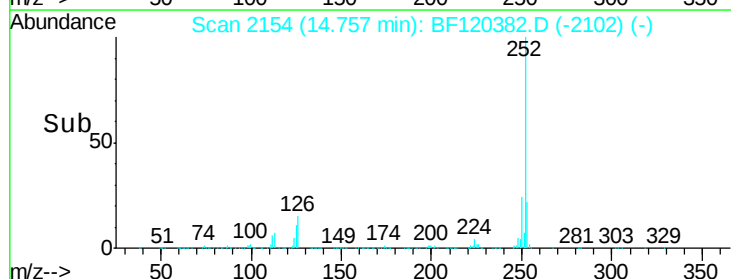
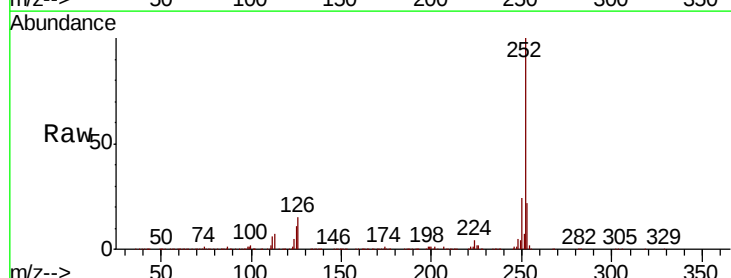
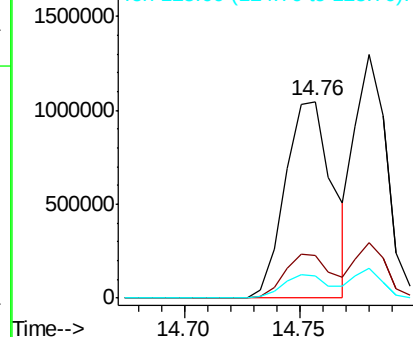
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

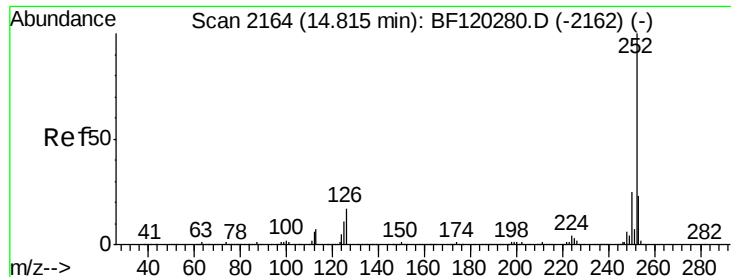


#88
Benzo(b)fluoranthene
Concen: 52.495 ng
RT: 14.76 min Scan# 2154
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	11.0	10.4	15.6

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





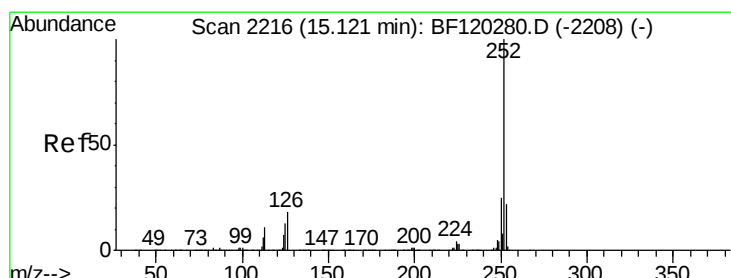
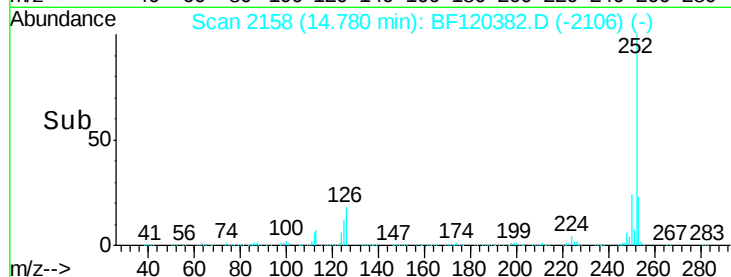
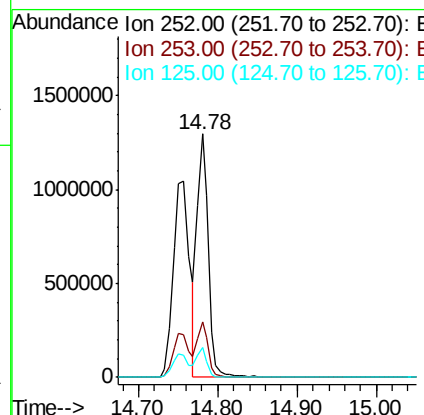
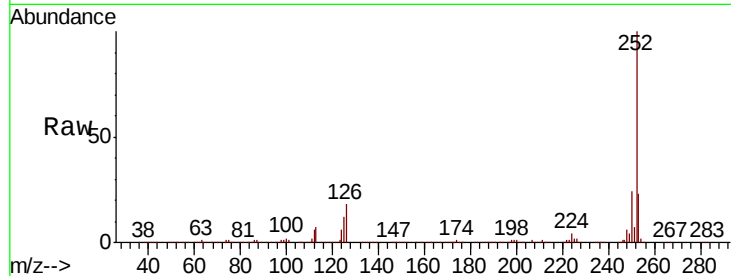
#89
Benzo(k)fluoranthene
Concen: 51.869 ng
RT: 14.78 min Scan# 2158
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	12.1	9.9	14.9

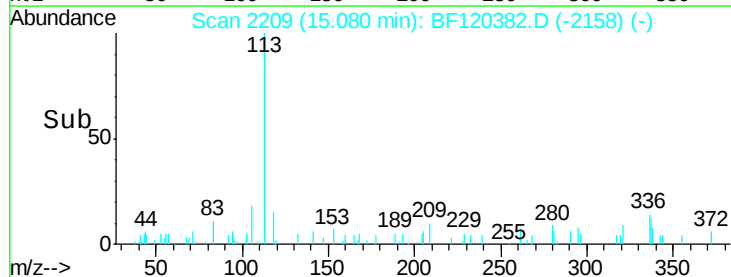
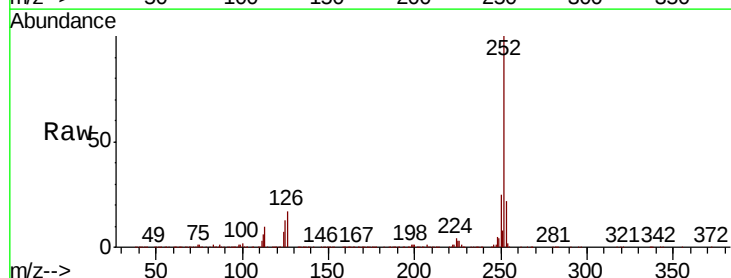
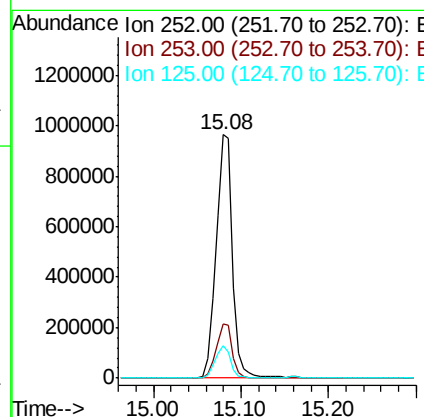
Manual Integrations
APPROVED

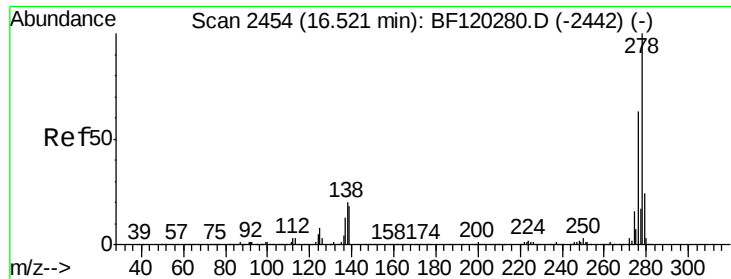
mohammad
5/22/2020 2:55:45 PM



#90
Benzo(a)pyrene
Concen: 48.801 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	13.5	10.6	16.0





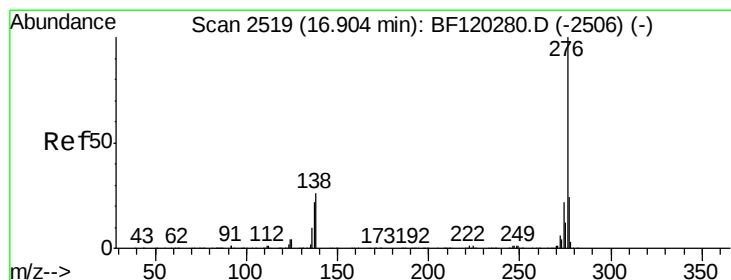
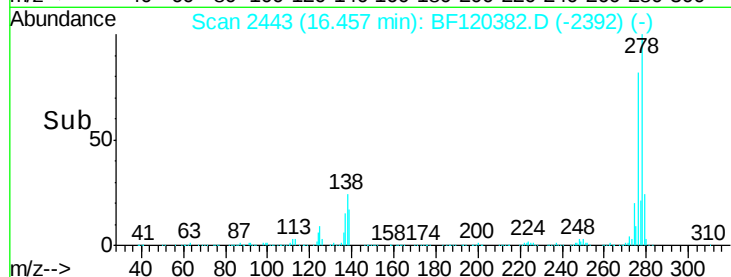
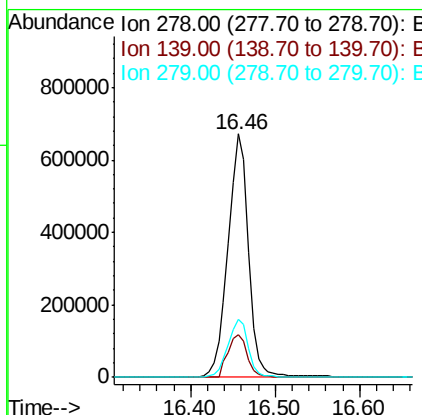
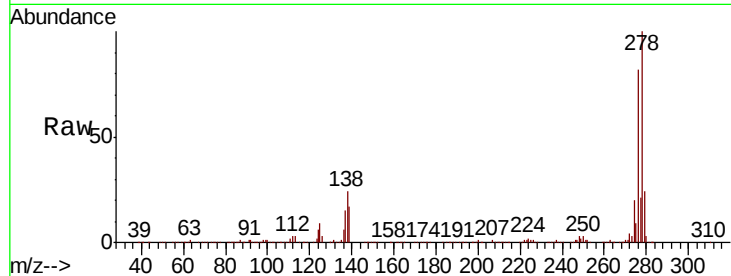
#91
Dibenzo(a,h)anthracene
Concen: 49.956 ng
RT: 16.46 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.7	22.1
279	23.7	19.2	28.8

Manual Integrations
APPROVED

mohammad
5/22/2020 2:55:45 PM



#92
Benzo(g,h,i)perylene
Concen: 49.708 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BF120382.D
Acq: 21 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	24.6	20.8	31.2

