

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121482.D
 Acq On : 31 Aug 2020 17:30
 Operator : JU/CG
 Sample : L3833-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Manual Integrations
 APPROVED

mohammad
 9/2/2020 1:55:56 PM

Quant Time: Aug 31 18:11:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	358639	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1378171	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	712475	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1281975	20.00	ng	0.00
76) Chrysene-d12	14.03	240	758008	20.00	ng	0.00
86) Perylene-d12	15.50	264	812789	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	2379467	111.31	ng	0.01
7) Phenol-d6	6.50	99	3208864	107.42	ng	0.00
23) Nitrobenzene-d5	7.43	82	2118794	105.10	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	960507	133.47	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	3553918	80.48	ng	0.00
79) Terphenyl-d14	12.97	244	3243035	90.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	374547	36.741	ng	98
3) Pyridine	3.46	79	903752	32.555	ng	98
4) n-Nitrosodimethylamine	3.42	42	476680	38.845	ng	89
6) Aniline	6.52	93	1093454	30.850	ng	99
8) 2-Chlorophenol	6.65	128	1037003	47.799	ng	98
9) Benzaldehyde	6.41	77	599900	41.179	ng	99
10) Phenol	6.51	94	1288774	44.102	ng	97
11) bis(2-Chloroethyl)ether	6.60	93	1000685	42.147	ng	98
12) 1,3-Dichlorobenzene	6.80	146	1038046	39.738	ng	100
13) 1,4-Dichlorobenzene	6.88	146	1049424	40.087	ng	100
14) 1,2-Dichlorobenzene	7.03	146	1018868	41.798	ng	98
15) Benzyl Alcohol	7.00	79	871972	44.473	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	1409781	40.081	ng	99
17) 2-Methylphenol	7.12	107	826876	43.805	ng	100
18) Hexachloroethane	7.37	117	383526	42.807	ng	97
19) n-Nitroso-di-n-propylamine	7.28	70	705405	42.255	ng	98
20) 3+4-Methylphenols	7.27	107	969080	42.424	ng	98
22) Acetophenone	7.27	105	1311323	38.605	ng	# 96
24) Nitrobenzene	7.45	77	1052486	52.086	ng	96
25) Isophorone	7.69	82	1953539	43.085	ng	100
26) 2-Nitrophenol	7.76	139	525033	57.260	ng	99
27) 2,4-Dimethylphenol	7.80	122	942308	50.108	ng	97
28) bis(2-Chloroethoxy)methane	7.90	93	1237387	40.133	ng	99
29) 2,4-Dichlorophenol	8.00	162	850572	45.808	ng	98
30) 1,2,4-Trichlorobenzene	8.09	180	894004	39.303	ng	100
31) Naphthalene	8.17	128	2733886	39.957	ng	99
32) Benzoic acid	7.93	122	642545	52.242	ng	96
33) 4-Chloroaniline	8.21	127	474023	15.555	ng	99
34) Hexachlorobutadiene	8.29	225	525998	38.885	ng	99
35) Caprolactam	8.60	113	273419m	45.148	ng	
36) 4-Chloro-3-methylphenol	8.70	107	870244	44.451	ng	99
37) 2-Methylnaphthalene	8.86	142	1876783	41.401	ng	100
38) 1-Methylnaphthalene	8.96	142	1775058	41.468	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	867754	41.087	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
 Data File : BF121482.D
 Acq On : 31 Aug 2020 17:30
 Operator : JU/CG
 Sample : L3833-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

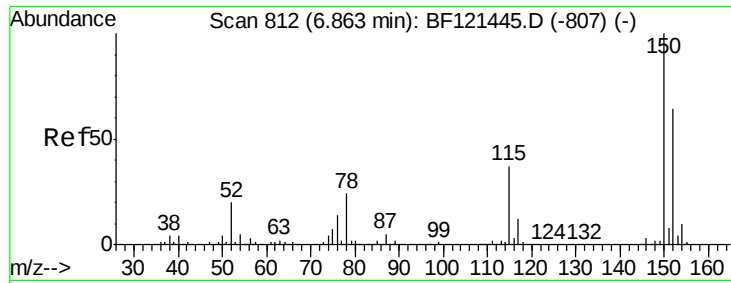
Manual Integrations
 APPROVED

mohammad
 9/2/2020 1:55:56 PM

Quant Time: Aug 31 18:11:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	773081	87.044	nq	99
43) 2,4,6-Trichlorophenol	9.14	196	614325	46.020	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	639293	48.431	nq	99
46) 1,1'-Biphenyl	9.33	154	2228609	41.452	nq	98
47) 2-Chloronaphthalene	9.35	162	1699167	38.451	nq	99
48) 2-Nitroaniline	9.45	65	555572	45.236	nq	92
49) Acenaphthylene	9.77	152	2745206	41.415	nq	99
50) Dimethylphthalate	9.63	163	2200593	44.965	nq	99
51) 2,6-Dinitrotoluene	9.69	165	463075	50.154	nq	97
52) Acenaphthene	9.94	154	1784124	42.626	nq	99
53) 3-Nitroaniline	9.85	138	279731	26.670	nq	# 95
54) 2,4-Dinitrophenol	9.96	184	282233	72.435	nq	92
55) Dibenzofuran	10.11	168	2455522	40.387	nq	98
56) 4-Nitrophenol	10.02	139	796391	83.859	nq	95
57) 2,4-Dinitrotoluene	10.09	165	604387	52.688	nq	86
58) Fluorene	10.45	166	1817742	39.660	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	540220	49.156	nq	99
60) Diethylphthalate	10.33	149	2053148	41.757	nq	99
61) 4-Chlorophenyl-phenylether	10.45	204	914946	39.843	nq	96
62) 4-Nitroaniline	10.47	138	438244	37.718	nq	97
63) Azobenzene	10.60	77	1953568	40.177	nq	99
65) 4,6-Dinitro-2-methylphenol	10.50	198	208360	52.866	nq	85
66) n-Nitrosodiphenylamine	10.56	169	1711942	42.222	nq	100
67) 4-Bromophenyl-phenylether	10.93	248	600304	42.566	nq	97
68) Hexachlorobenzene	11.00	284	671026	40.689	nq	98
69) Atrazine	11.09	200	487760	41.480	nq	99
70) Pentachlorophenol	11.19	266	766339	101.715	nq	97
71) Phenanthrene	11.42	178	3105114	47.198	nq	98
72) Anthracene	11.46	178	2752937	42.546	nq	100
73) Carbazole	11.62	167	2493755	39.967	nq	100
74) Di-n-butylphthalate	11.95	149	3021631	43.592	nq	99
75) Fluoranthene	12.60	202	3861563	54.463	nq	98
77) Benzidine	12.72	184	1045891	63.266	nq	99
78) Pyrene	12.83	202	3629387	67.043	nq	98
80) Butylbenzylphthalate	13.45	149	1176981	56.434	nq	98
81) Benzo(a)anthracene	14.02	228	2368012	51.175	nq	98
82) 3,3'-Dichlorobenzidine	13.98	252	666601	39.331	nq	99
83) Chrysene	14.06	228	2451176	52.948	nq	99
84) Bis(2-ethylhexyl)phthalate	14.01	149	1539973	57.171	nq	99
85) Di-n-octyl phthalate	14.62	149	2510606	54.998	nq	99
87) Indeno(1,2,3-cd)pyrene	16.97	276	2583487	51.660	nq	99
88) Benzo(b)fluoranthene	15.07	252	2788077	52.733	nq	99
89) Benzo(k)fluoranthene	15.10	252	2060492	41.899	nq	99
90) Benzo(a)pyrene	15.44	252	2226105	46.824	nq	98
91) Dibenzo(a,h)anthracene	16.99	278	1830567	44.717	nq	99
92) Benzo(g,h,i)perylene	17.42	276	2221474	56.334	nq	98

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



#1

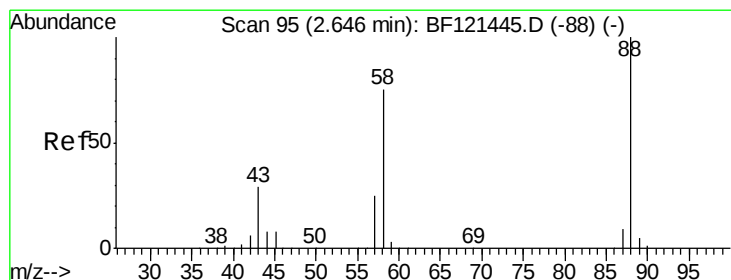
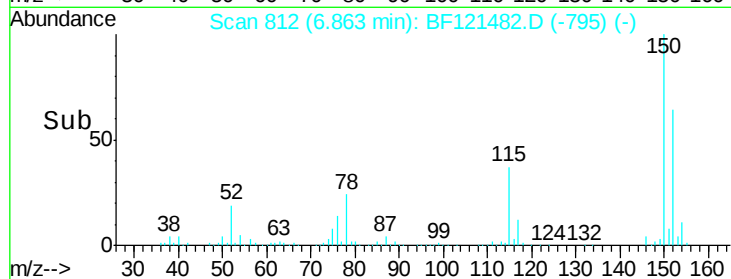
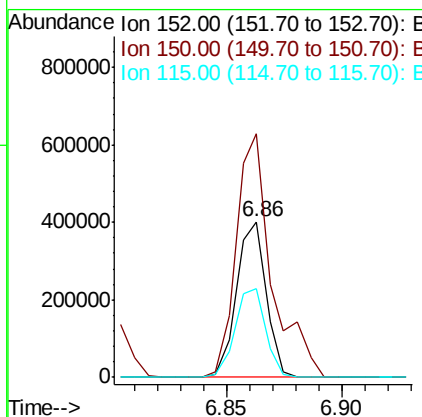
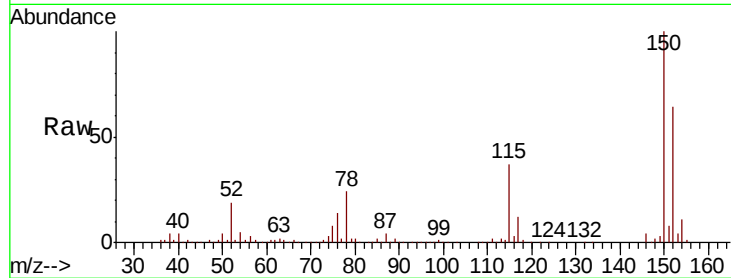
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.8	188.6
115	57.5	46.6	69.8

Manual Integrations
APPROVED

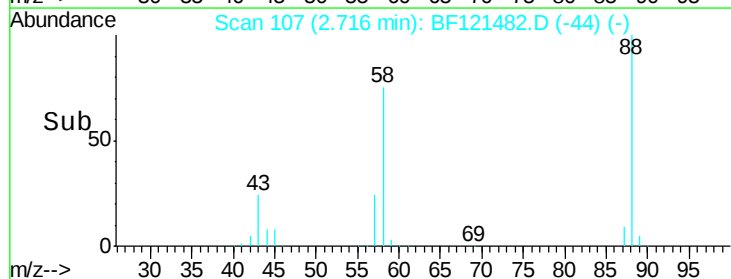
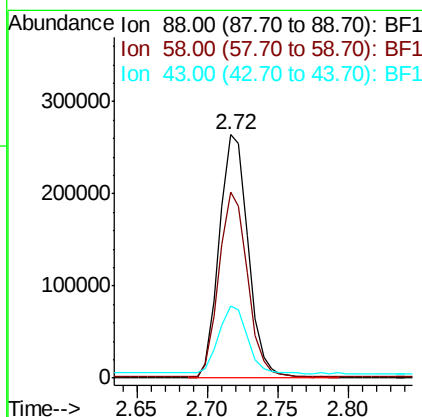
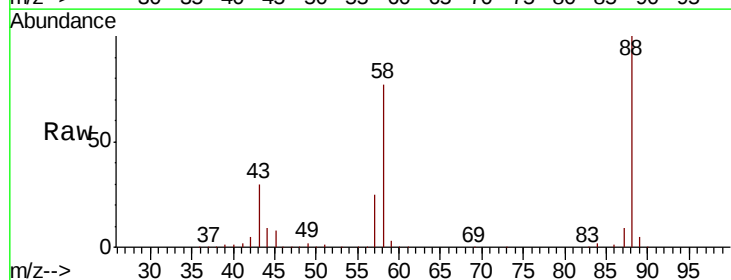
mohammad
9/2/2020 1:55:56 PM

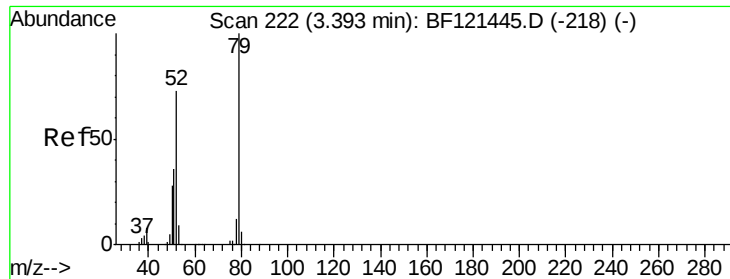


#2

1,4-Dioxane
Concen: 36.741 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.07 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.1	61.1	91.7
43	27.4	23.4	35.0





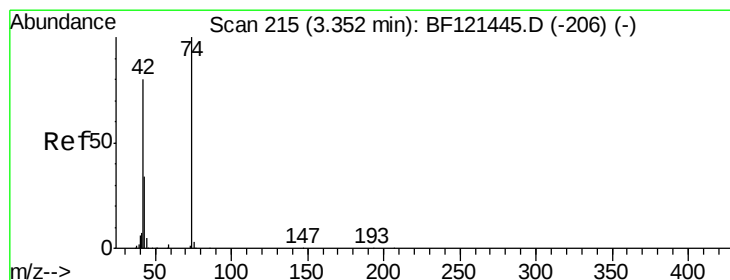
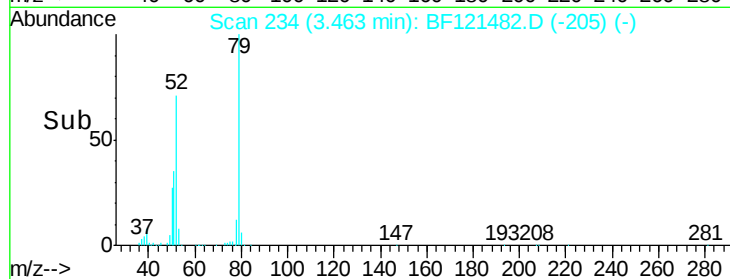
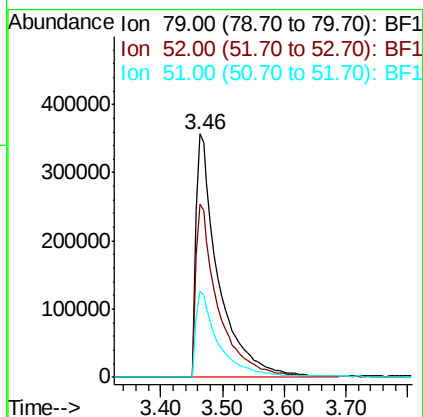
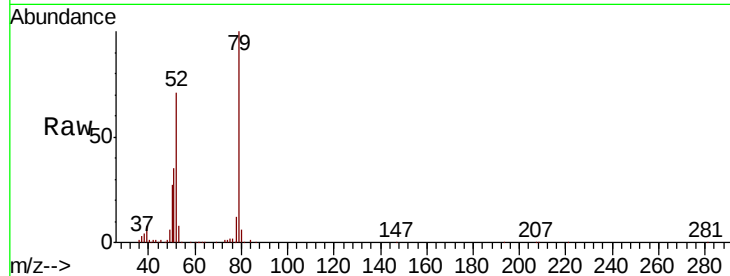
#3
 Pvridine
 Concen: 32.555 ng
 RT: 3.46 min Scan# 234
 Delta R.T. 0.07 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion:	79	Resp:	903752
Ion Ratio	Lower	Upper	
79	100		
52	71.2	58.2	87.4
51	35.3	29.1	43.7

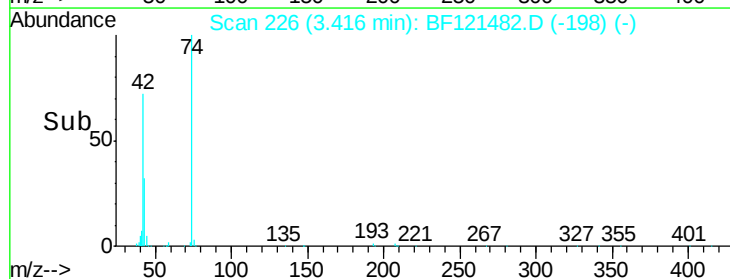
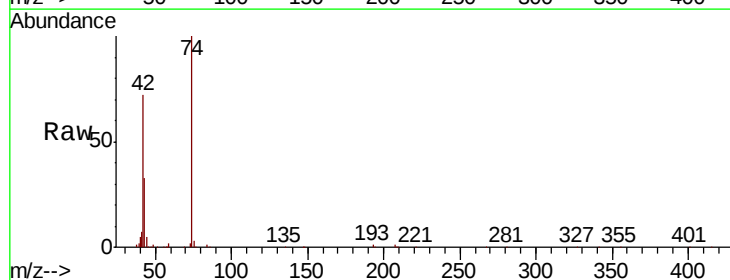
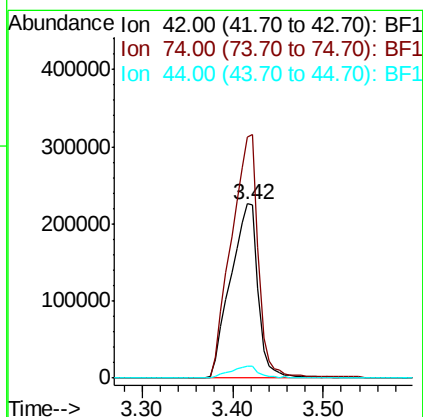
Manual Integrations
 APPROVED

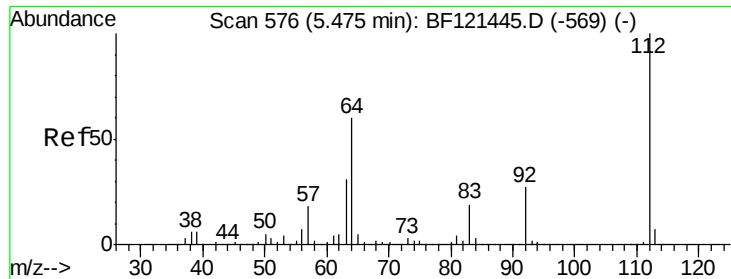
mohammad
 9/2/2020 1:55:56 PM



#4
 n-Nitrosodimethylamine
 Concen: 38.845 ng
 RT: 3.42 min Scan# 226
 Delta R.T. 0.06 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion:	42	Resp:	476680
Ion Ratio	Lower	Upper	
42	100		
74	138.1	100.2	150.4
44	7.0	5.4	8.0





#5

2-Fluorophenol

Concen: 111.313 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampled :

12018MSD

Tot Ion: 112 Resp: 2379467

Ion Ratio Lower Upper

112 100

64 61.8 48.2 72.2

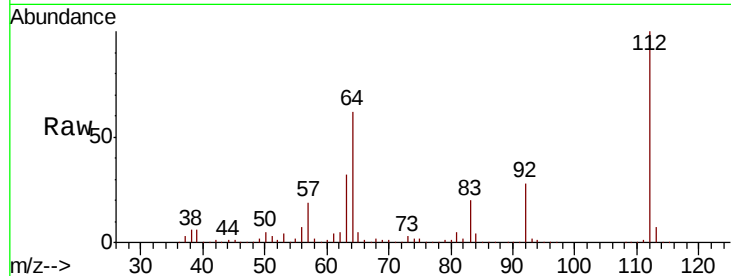
63 31.7 24.8 37.2

Manual Integrations

APPROVED

mohammad

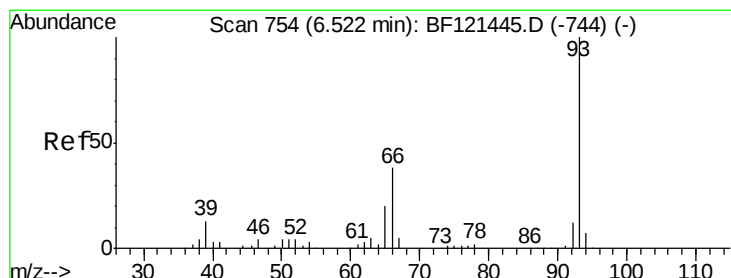
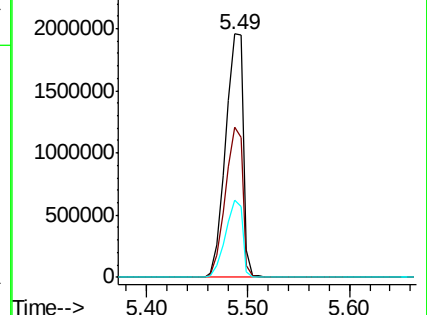
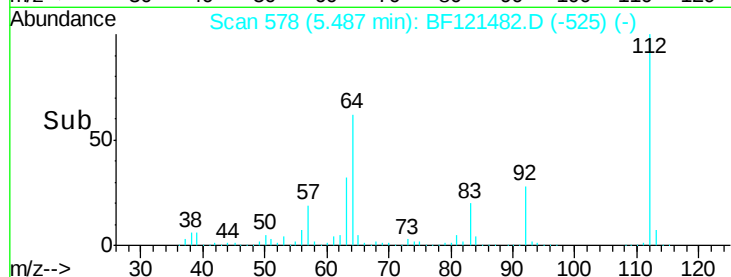
9/2/2020 1:55:56 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 30.850 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

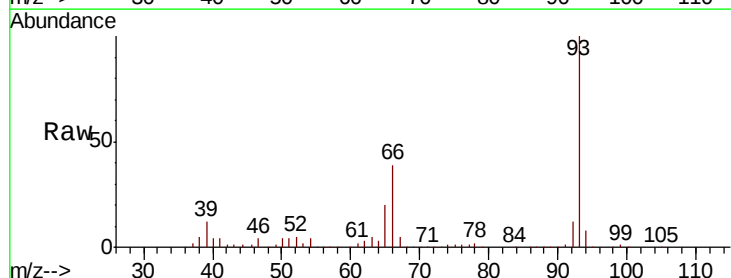
Tgt Ion: 93 Resp: 1093454

Ion Ratio Lower Upper

93 100

66 39.3 30.9 46.3

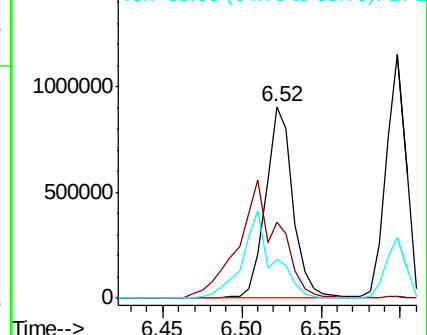
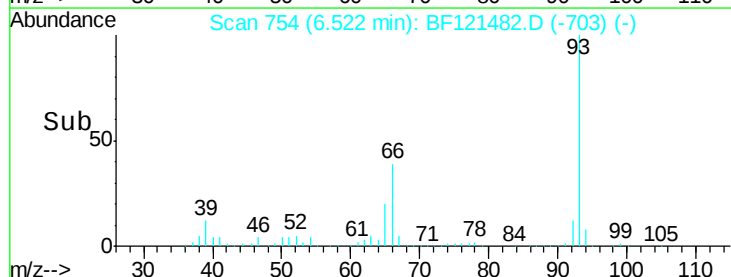
65 20.0 15.9 23.9

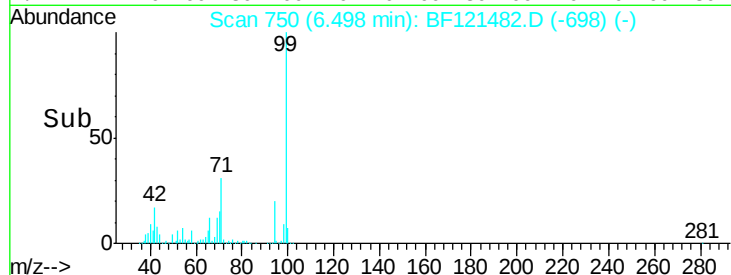
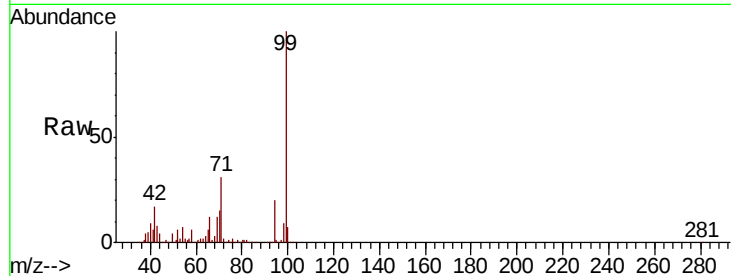
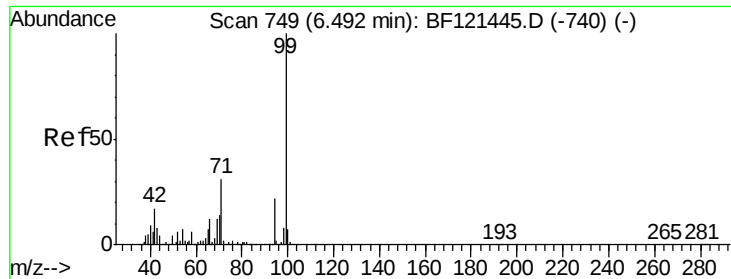


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 107.418 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Tot Ion:	99	Resp:	3208864
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.5	20.3
71	31.5	24.6	37.0

Instrument :

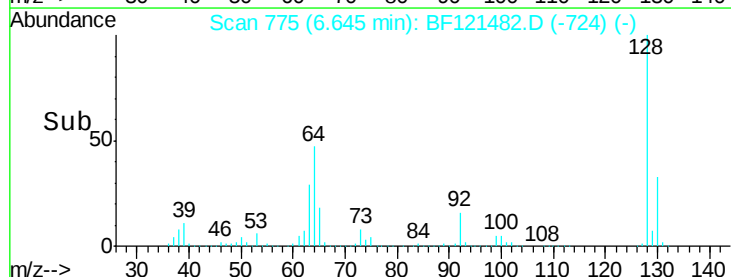
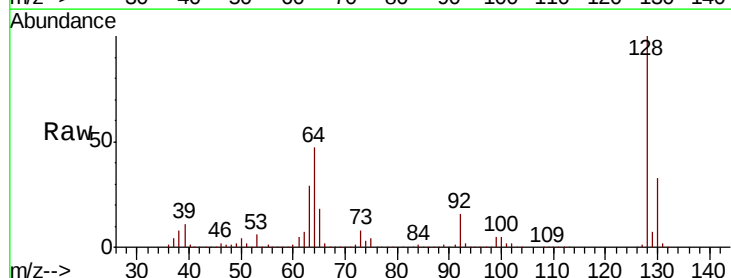
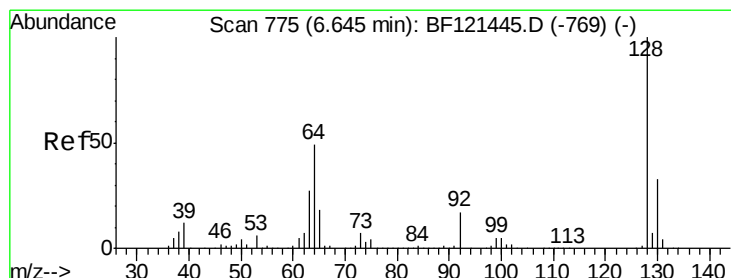
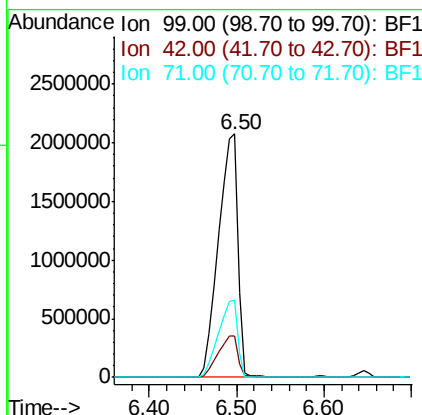
BNA_F

ClientSampleId :

12018MSD

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



#8

2-Chlorophenol

Concen: 47.799 ng

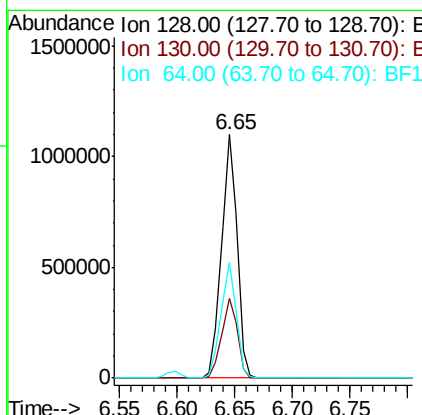
RT: 6.65 min Scan# 775

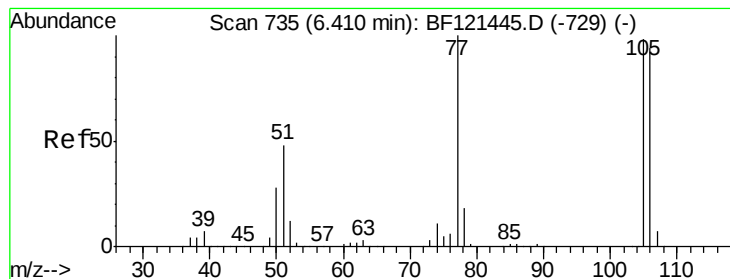
Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Tgt Ion:	128	Resp:	1037003
Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	47.3	29.5	69.5





#9

Benzaldehyde

Concen: 41.179 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

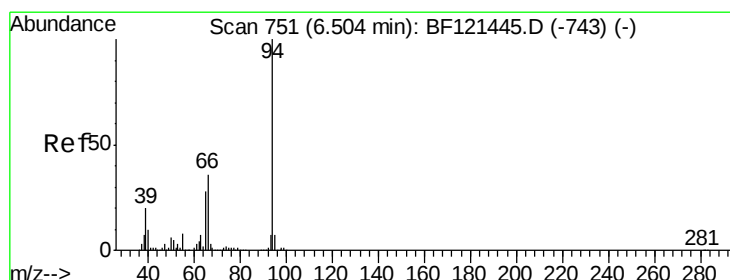
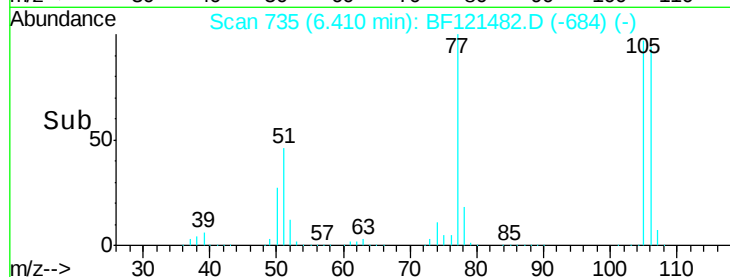
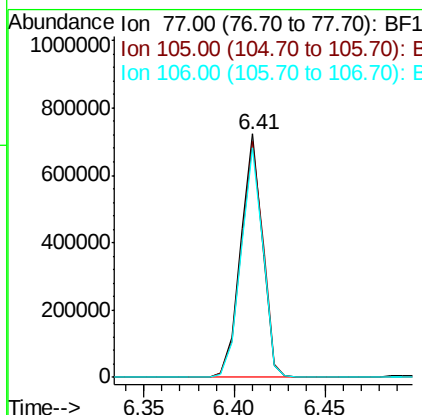
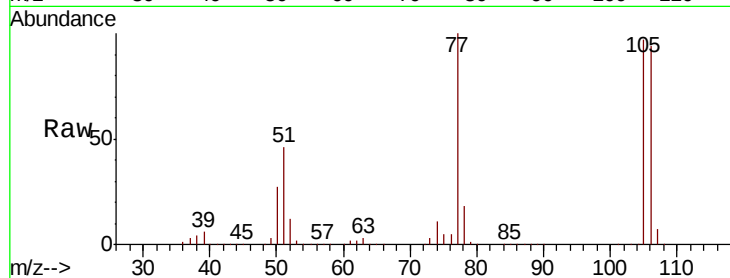
ClientSampleID :

12018MSD

Tot Ion:	77	Resp:	599900
Ion	Ratio	Lower	Upper
77	100		
105	97.0	78.1	118.1
106	94.2	74.3	114.3

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



#10

Phenol

Concen: 44.102 ng

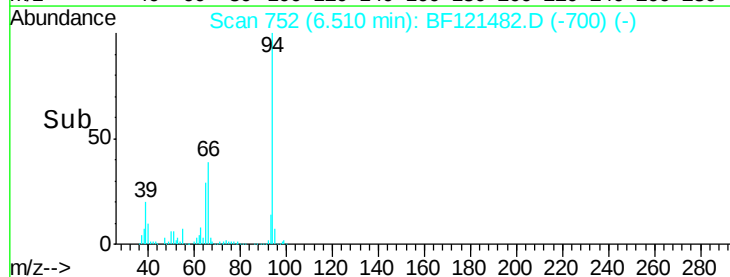
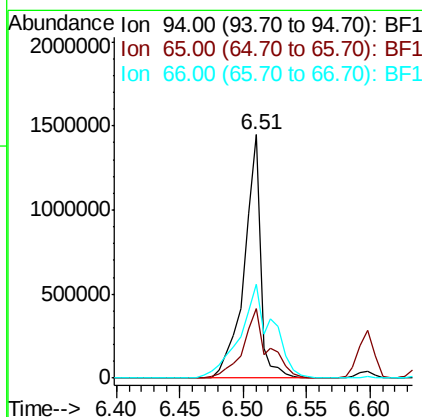
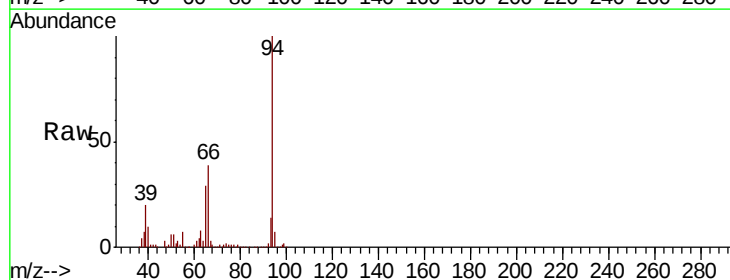
RT: 6.51 min Scan# 752

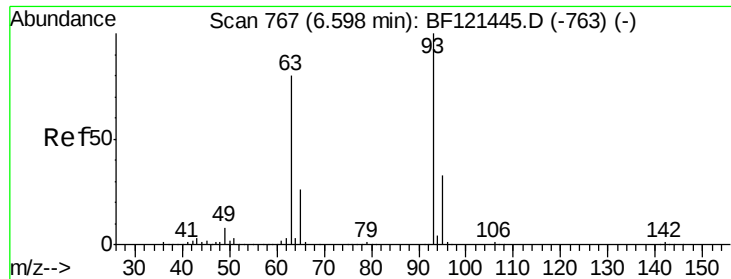
Delta R.T. 0.01 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Tgt Ion:	94	Resp:	1288774
Ion	Ratio	Lower	Upper
94	100		
65	28.5	7.9	47.9
66	38.5	16.0	56.0





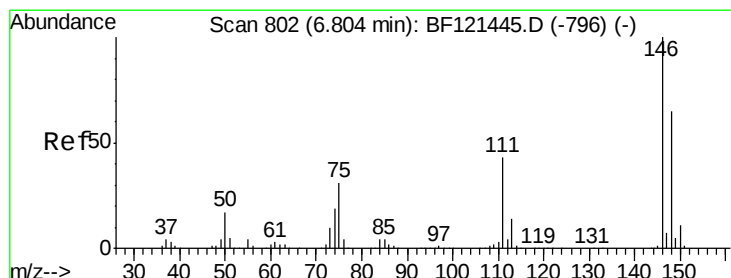
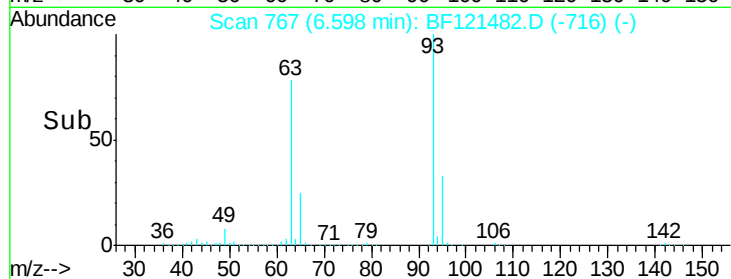
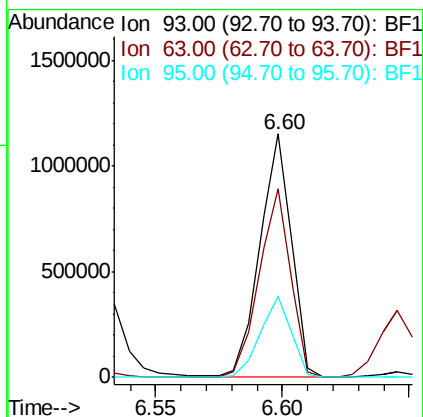
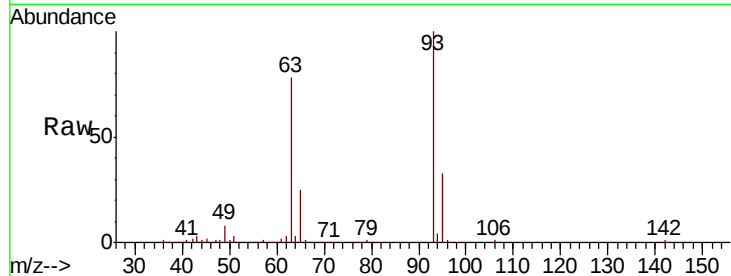
#11
bis(2-Chloroethyl)ether
Concen: 42.147 ng
RT: 6.60 min Scan# 767
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	77.5	59.3	99.3
95	33.3	13.0	53.0

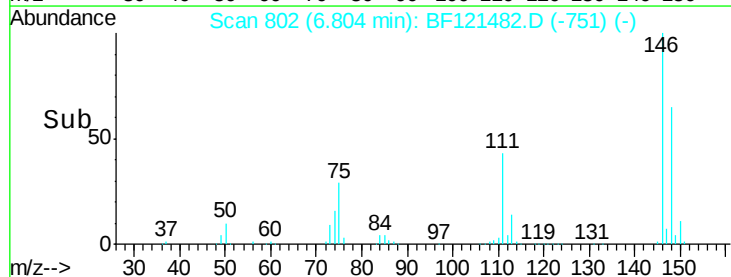
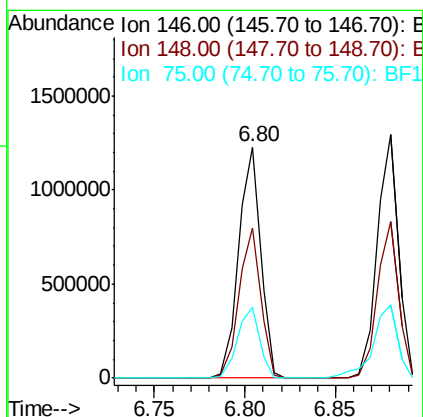
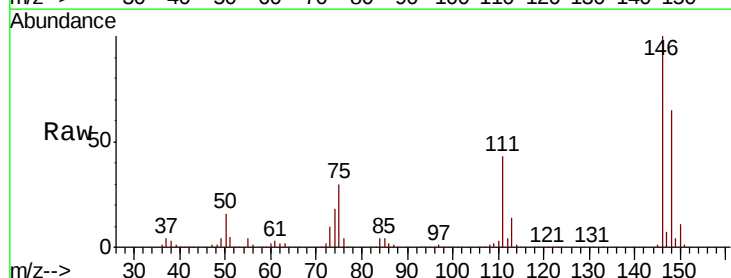
Manual Integrations
APPROVED

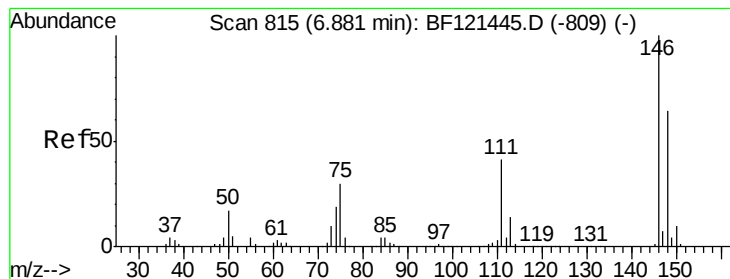
mohammad
9/2/2020 1:55:56 PM



#12
1,3-Dichlorobenzene
Concen: 39.738 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.1	78.1
75	30.4	24.9	37.3





#13

1,4-Dichlorobenzene

Concen: 40.087 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampleId :

12018MSD

Tot Ion:146 Resp: 1049424

Ion Ratio Lower Upper

146 100

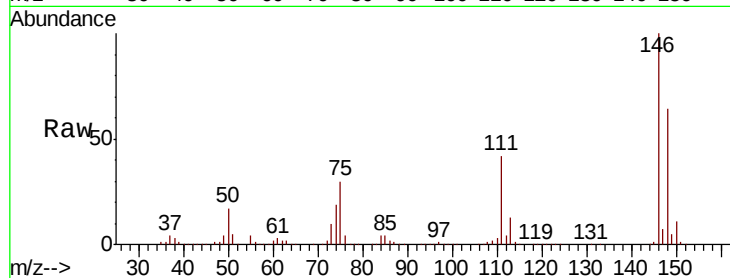
148 64.4 51.2 76.8

111 41.6 33.0 49.6

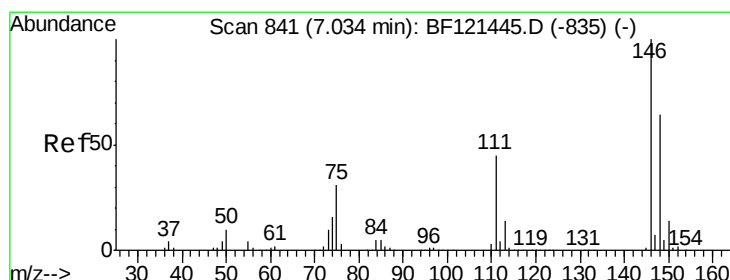
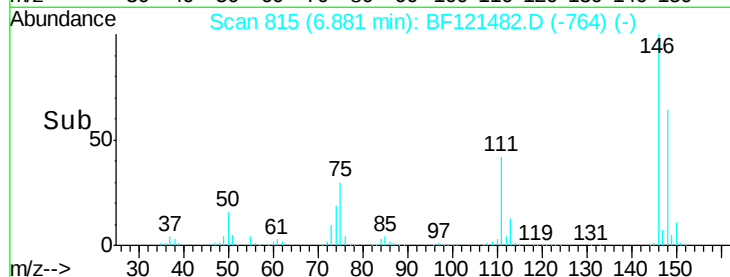
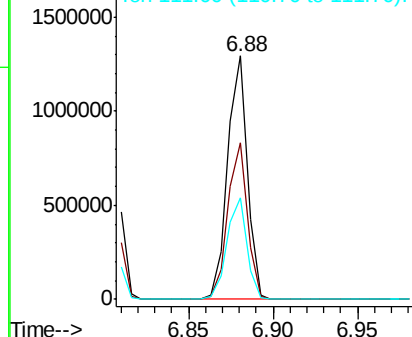
Manual Integrations
APPROVED

mohammad

9/2/2020 1:55:56 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.798 ng

RT: 7.03 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

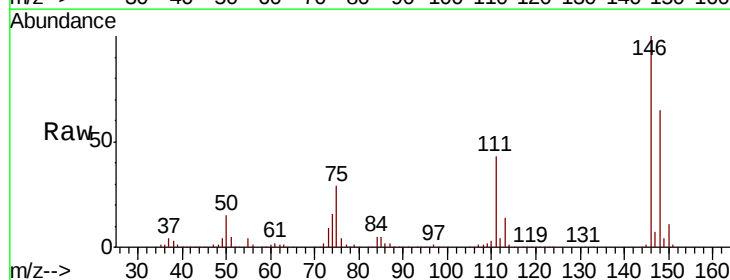
Tgt Ion:146 Resp: 1018868

Ion Ratio Lower Upper

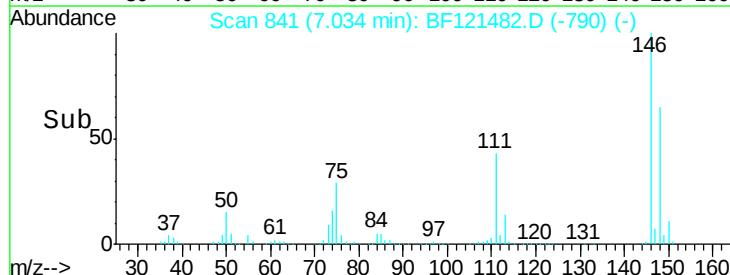
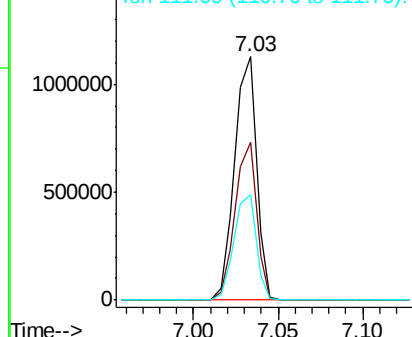
146 100

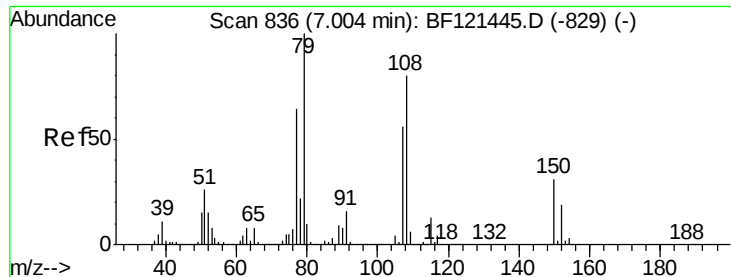
148 64.9 51.1 76.7

111 43.3 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 44.473 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampled :

12018MSD

Tot Ion: 79 Resp: 871972

Ion Ratio Lower Upper

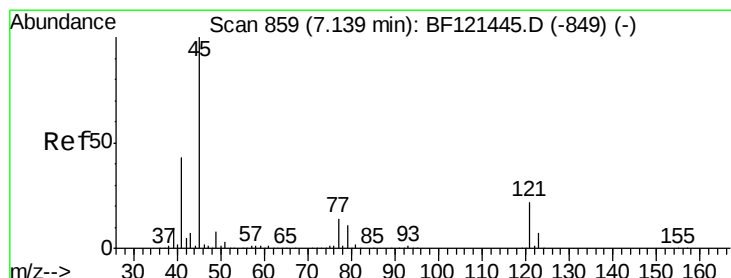
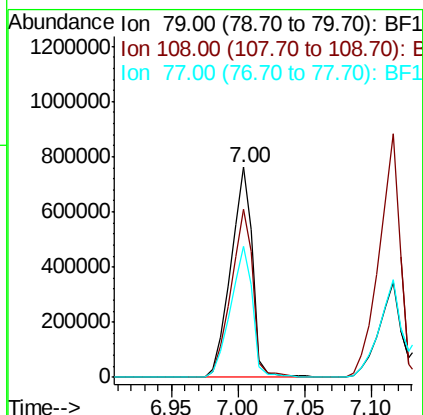
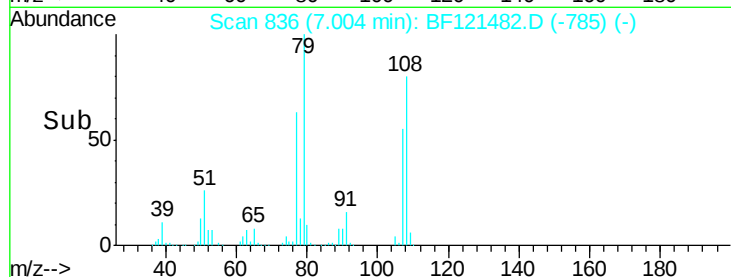
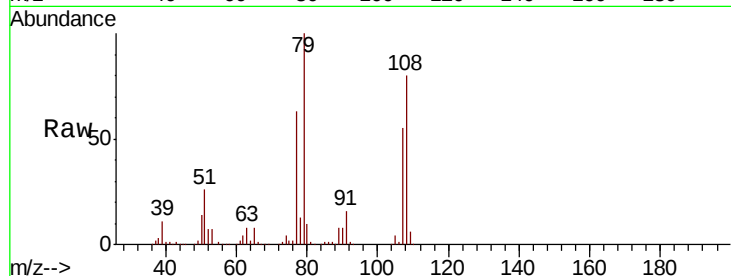
79 100

108 80.4 64.0 96.0

77 62.6 50.8 76.2

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.081 ng

RT: 7.14 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

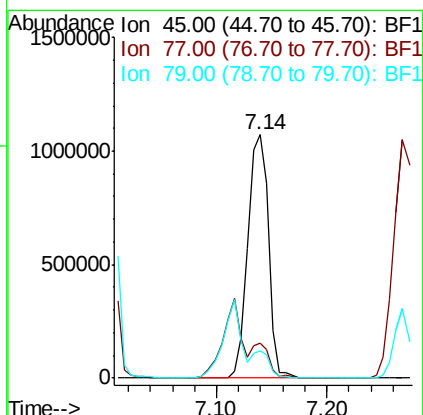
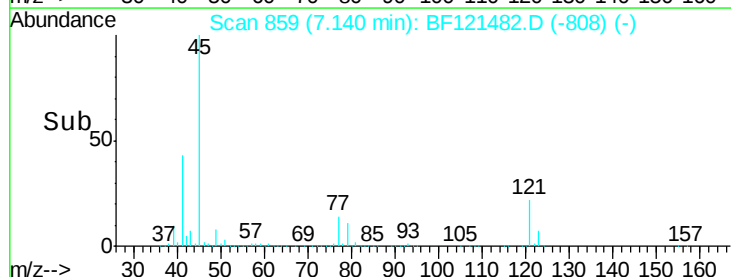
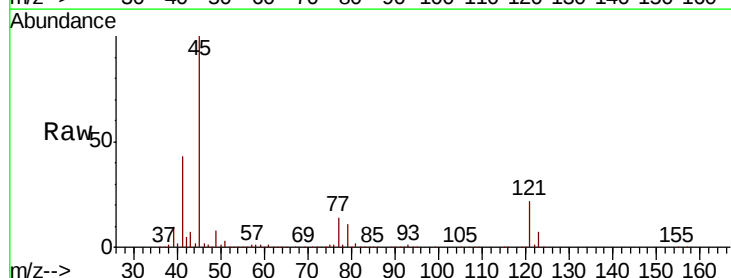
Tgt Ion: 45 Resp: 1409781

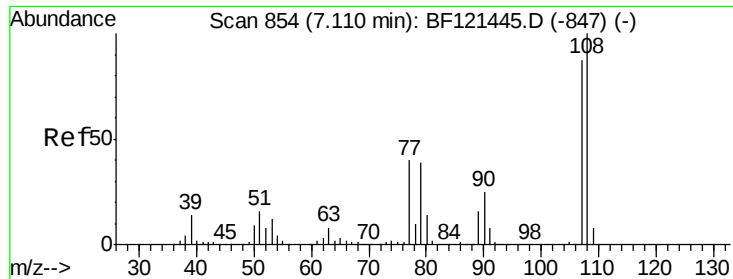
Ion Ratio Lower Upper

45 100

77 14.4 0.0 33.8

79 11.1 0.0 31.1





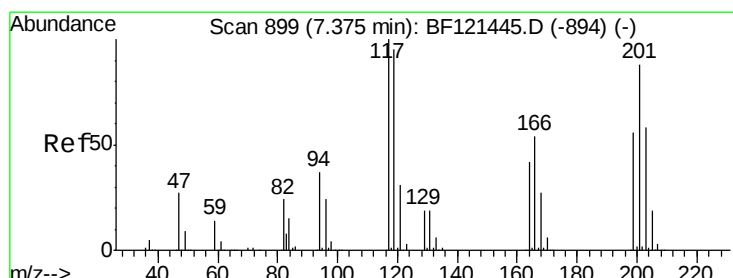
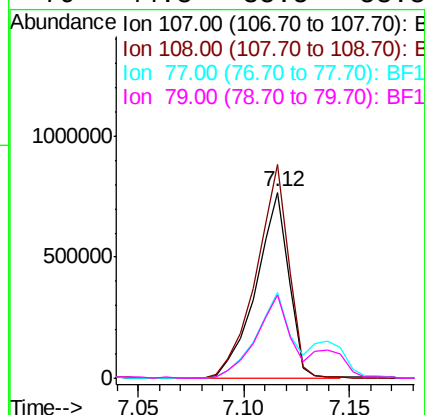
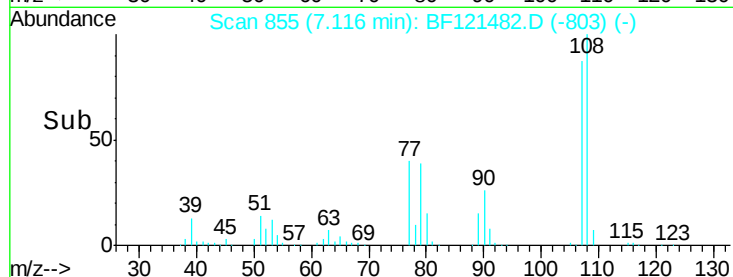
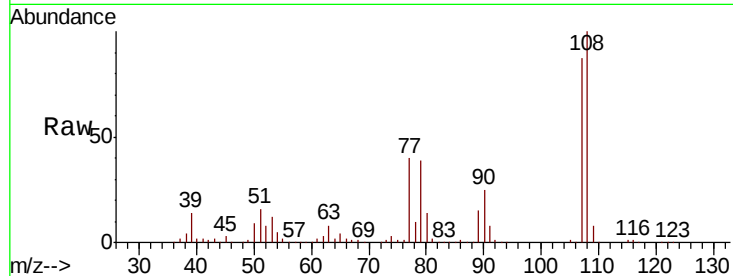
#17
2-Methylphenol
Concen: 43.805 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.8	91.7	137.5	
77	45.8	36.4	54.6	
79	44.8	35.5	53.3	

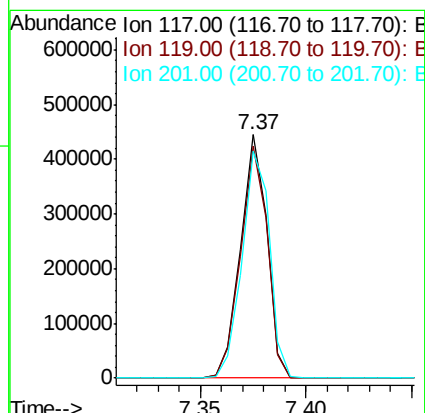
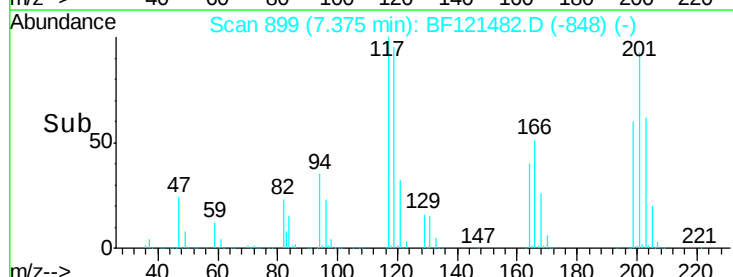
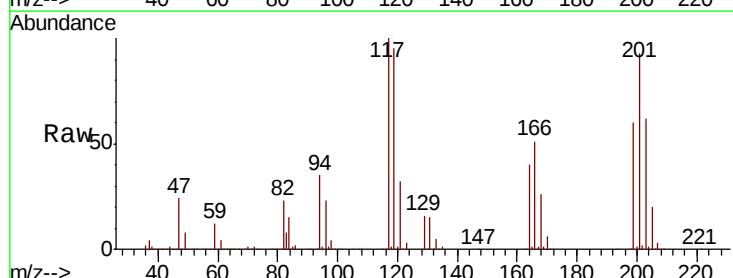
Manual Integrations
APPROVED

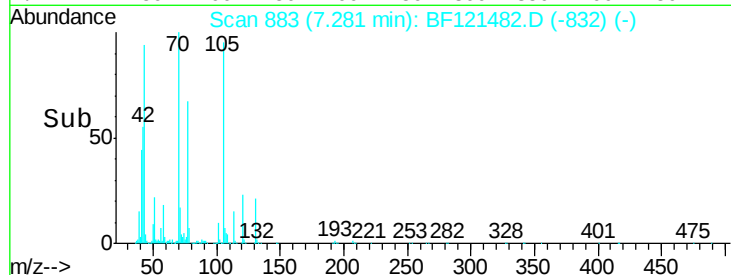
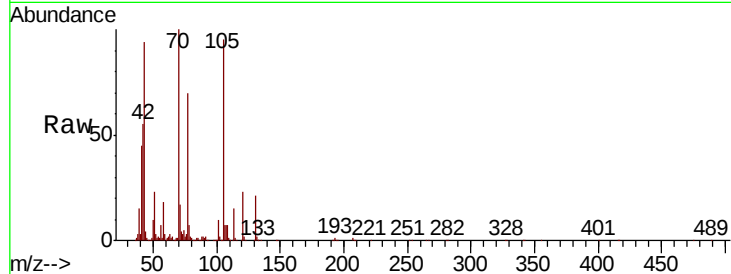
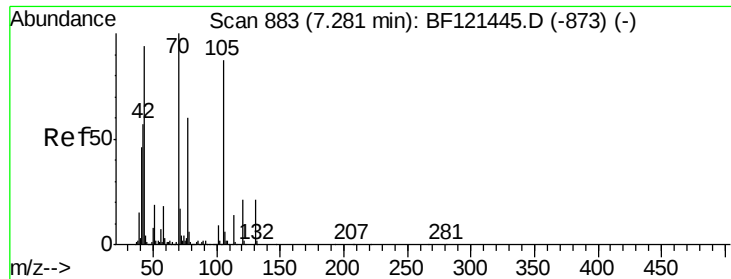
mohammad
9/2/2020 1:55:56 PM



#18
Hexachloroethane
Concen: 42.807 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	75.8	113.8	
201	93.3	70.4	105.6	





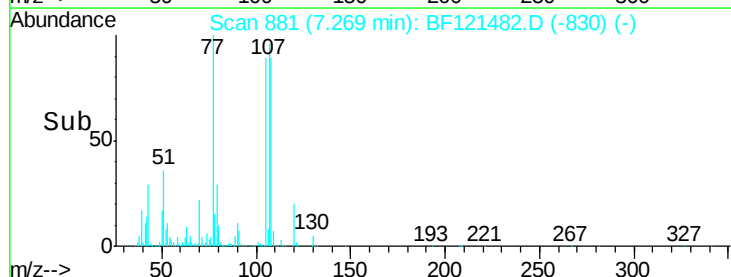
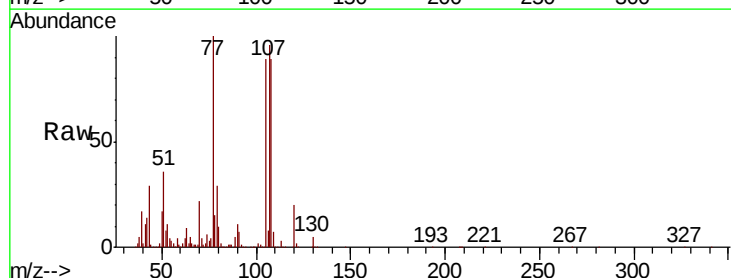
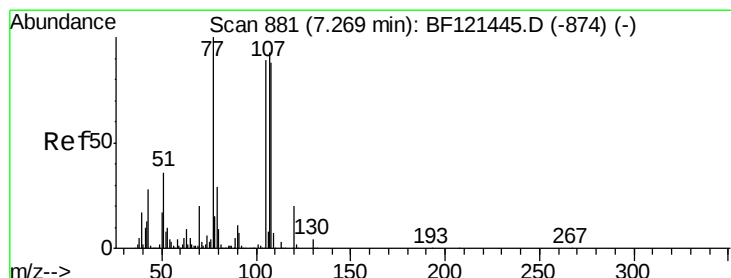
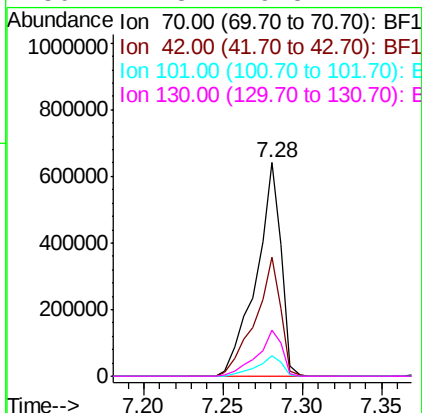
#19
n-Nitroso-di-n-propylamine
Concen: 42.255 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	55.5	45.8	68.6		
101	9.8	7.5	11.3		
130	21.3	16.5	24.7		

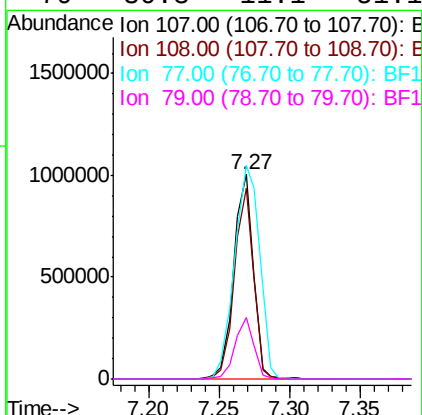
Manual Integrations
APPROVED

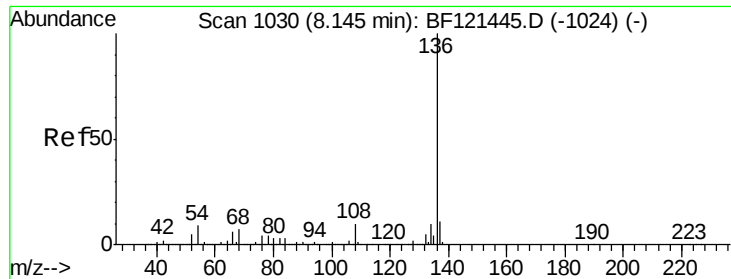
mohammad
9/2/2020 1:55:56 PM



#20
3+4-Methylphenols
Concen: 42.424 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	93.2	75.0	115.0		
77	104.3	87.5	127.5		
79	30.3	11.1	51.1		





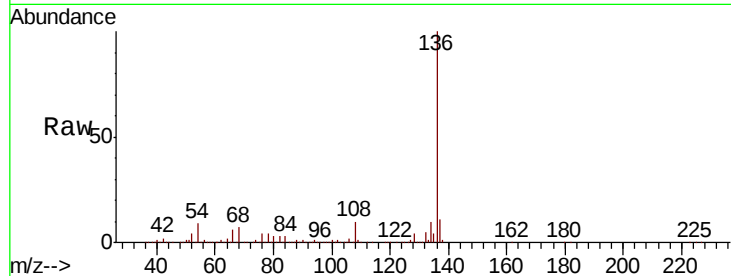
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.7	7.0	10.4
68	6.9	5.5	8.3

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



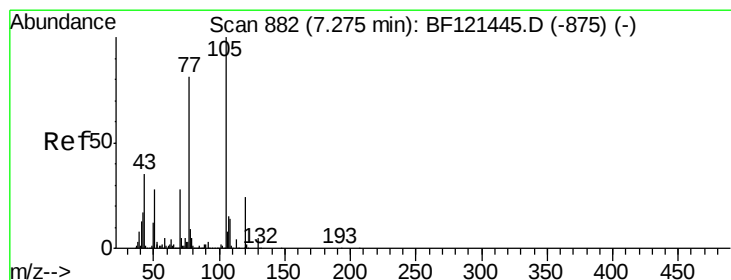
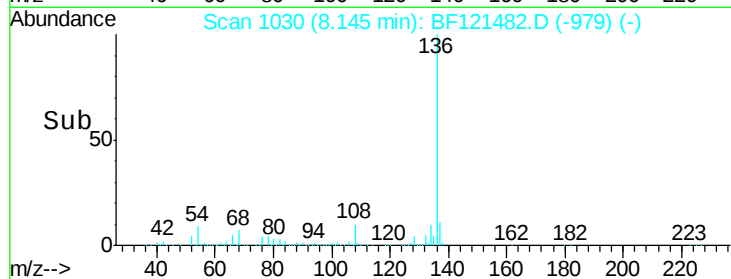
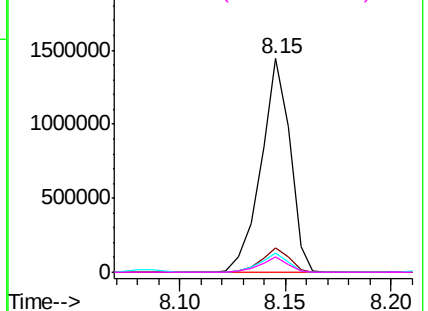
Abundance

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



#22
Acetophenone
Concen: 38.605 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
105	100		
71	6.7	3.8	5.6#
51	31.0	22.6	33.8
120	23.0	18.9	28.3

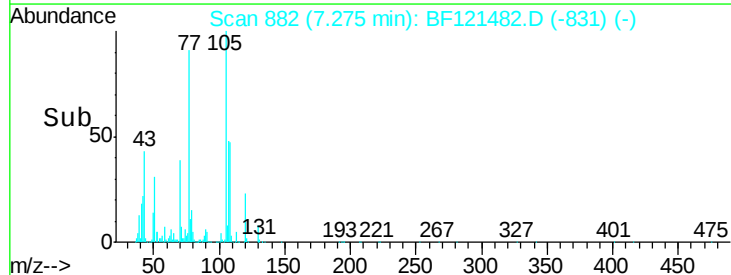
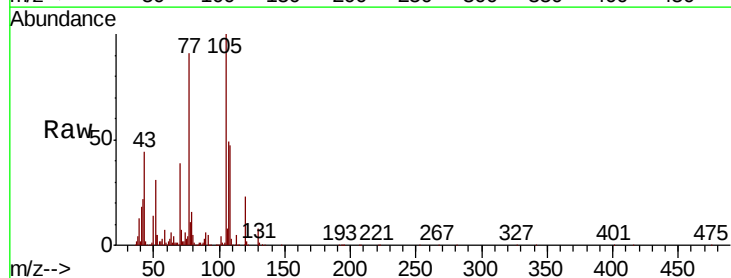
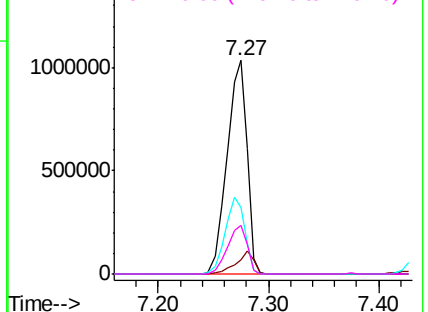
Abundance

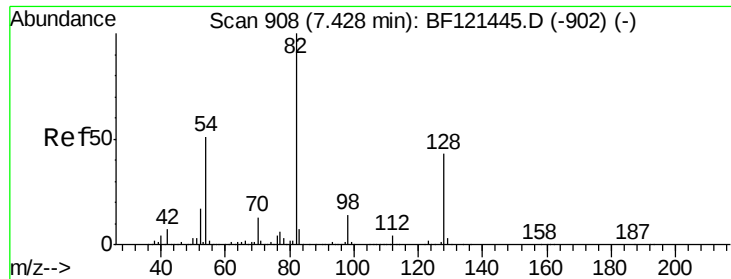
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





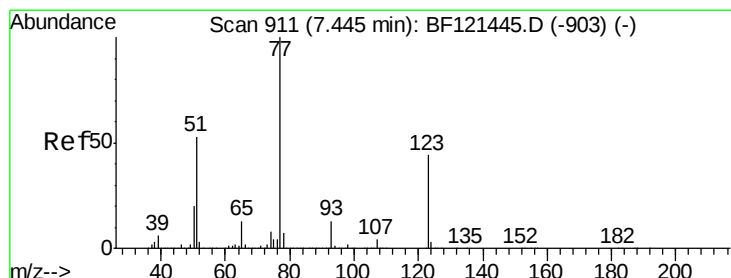
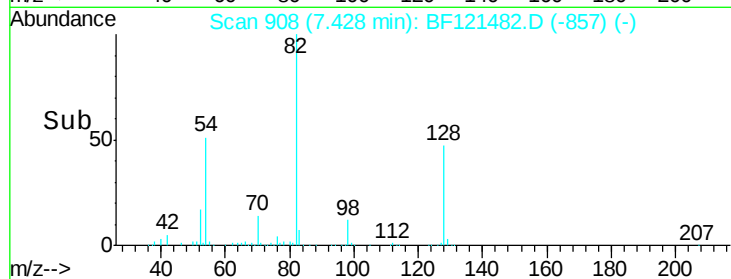
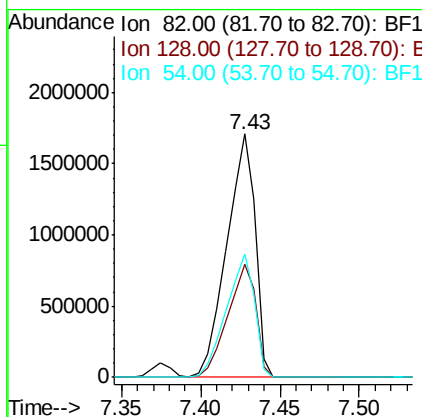
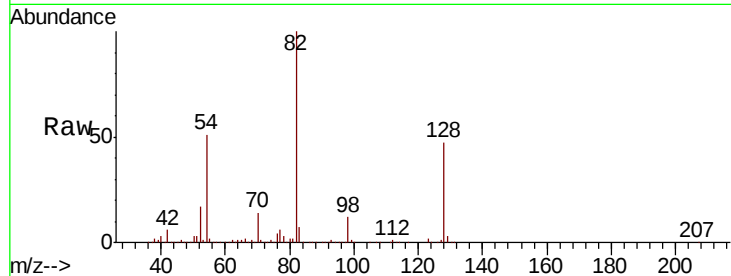
#23
 Nitrobenzene-d5
 Concen: 105.105 ng
 RT: 7.43 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion	82	Resp	2118794
Ion Ratio	100	Lower	Upper
82	100		
128	46.6	34.1	51.1
54	50.7	41.0	61.6

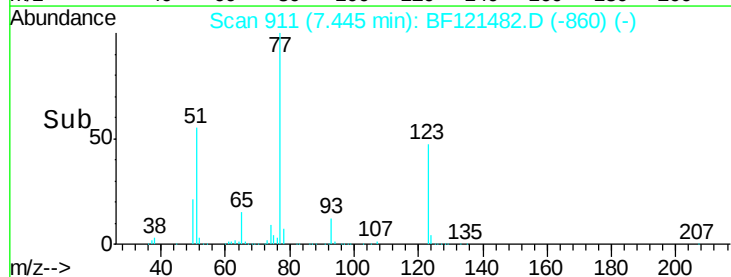
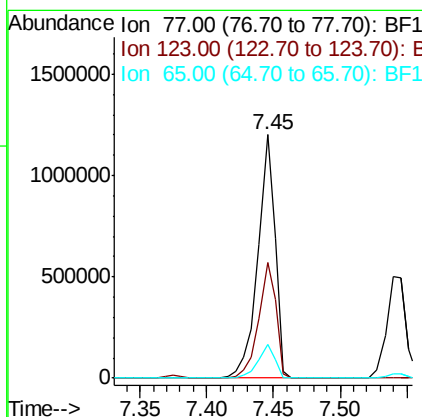
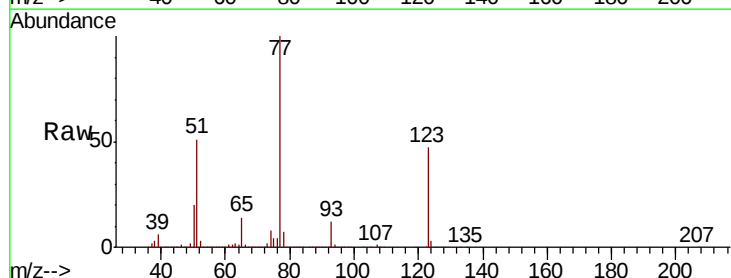
Manual Integrations
 APPROVED

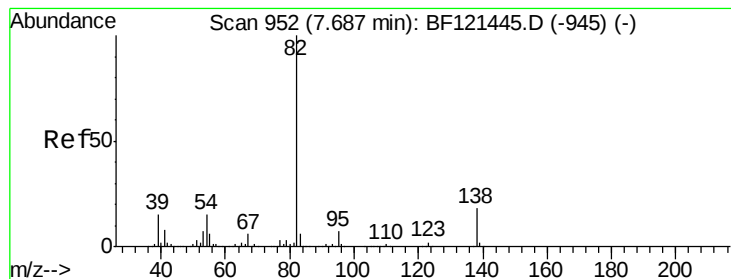
mohammad
 9/2/2020 1:55:56 PM



#24
 Nitrobenzene
 Concen: 52.086 ng
 RT: 7.45 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion	77	Resp	1052486
Ion Ratio	100	Lower	Upper
77	100		
123	47.4	35.5	53.3
65	13.9	10.6	16.0





#25

Isophorone

Concen: 43.085 ng

RT: 7.69 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampleId :

12018MSD

Tot Ion: 82 Resp: 1953539

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

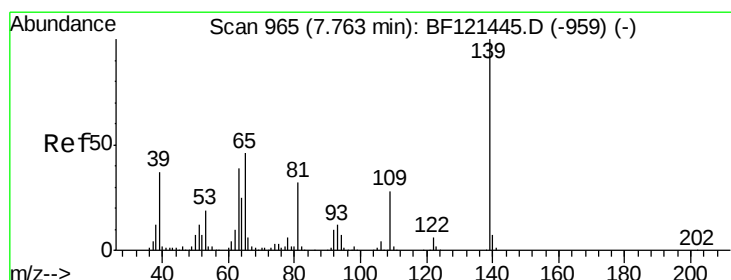
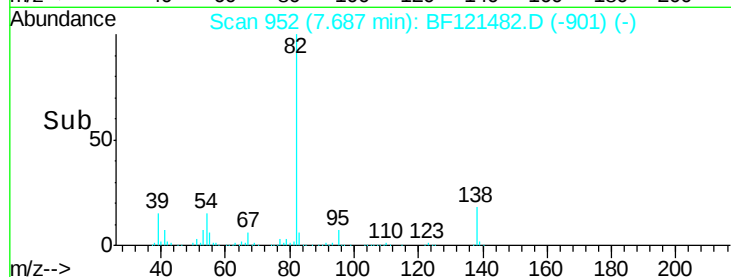
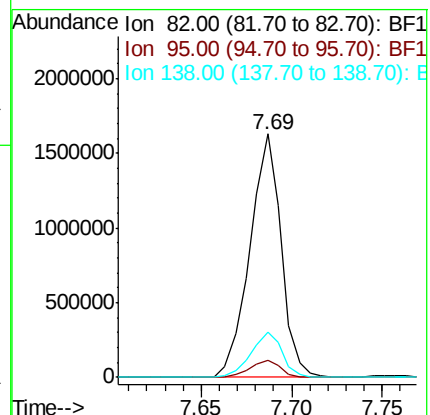
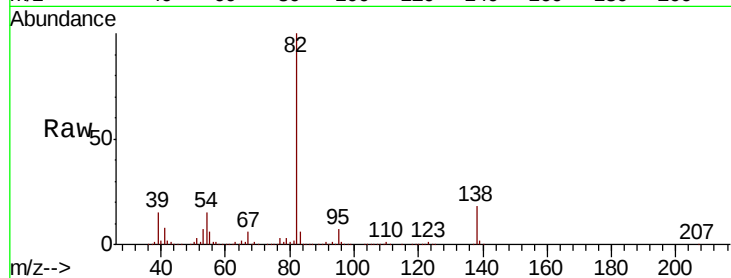
138 18.4 14.8 22.2

Manual Integrations

APPROVED

mohammad

9/2/2020 1:55:56 PM



#26

2-Nitrophenol

Concen: 57.260 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

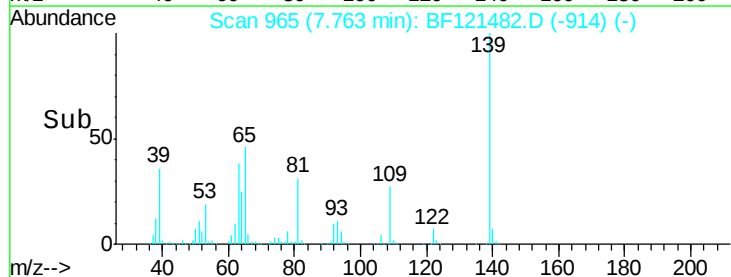
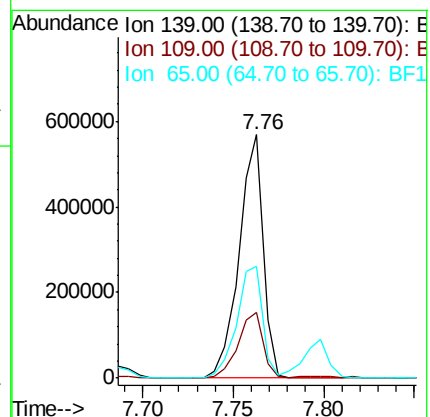
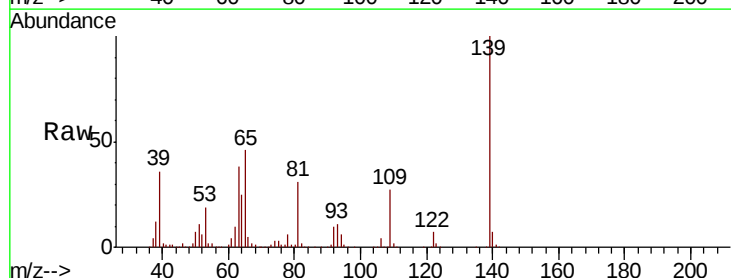
Tgt Ion: 139 Resp: 525033

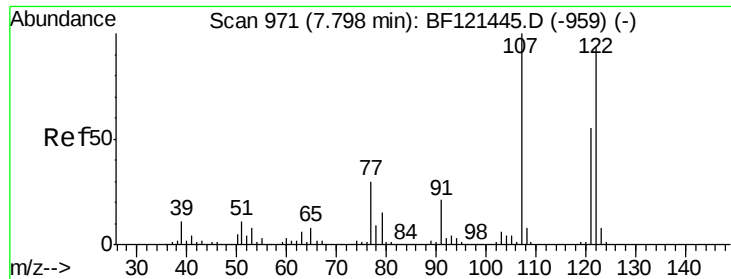
Ion Ratio Lower Upper

139 100

109 26.8 22.1 33.1

65 46.0 37.2 55.8





#27

2,4-Dimethylphenol

Concen: 50.108 ng

RT: 7.80 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

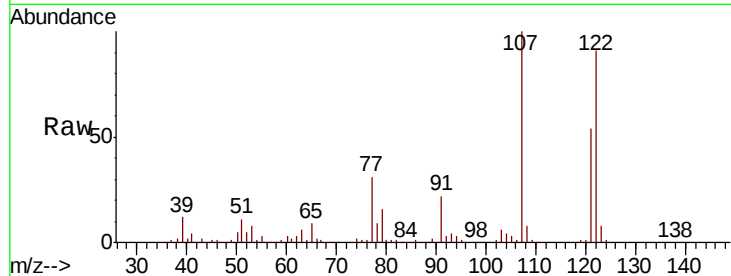
ClientSampled :

12018MSD

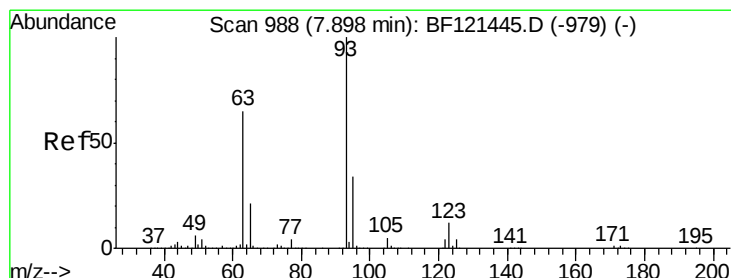
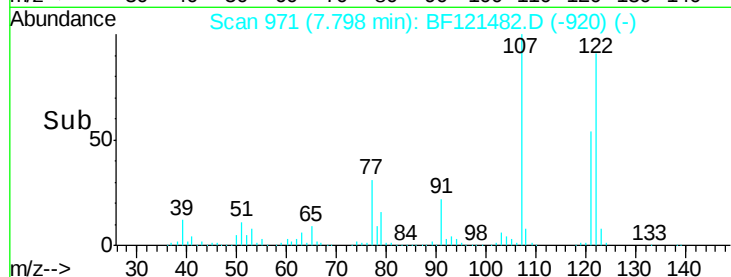
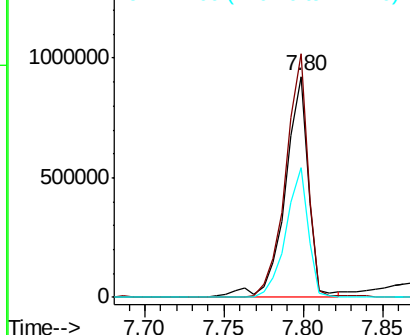
Tot Ion:	122	Resp:	942308
Ion Ratio	Lower	Upper	
122	100		
107	110.2	84.9	127.3
121	59.0	46.4	69.6

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.133 ng

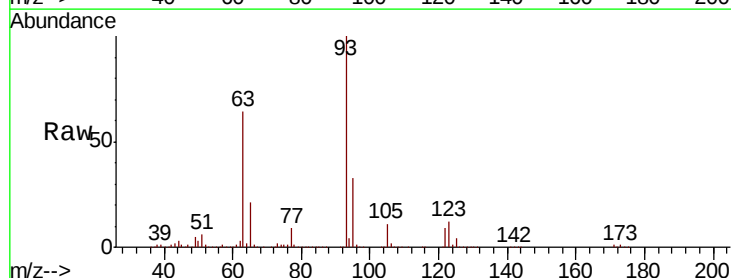
RT: 7.90 min Scan# 988

Delta R.T. 0.00 min

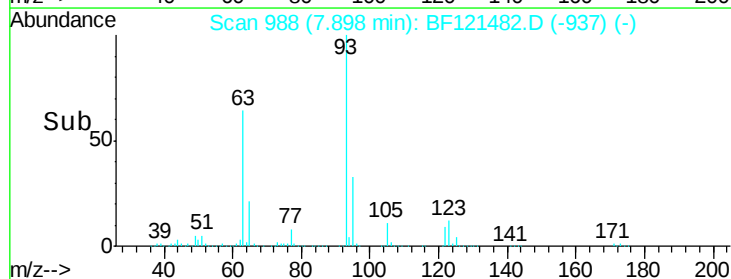
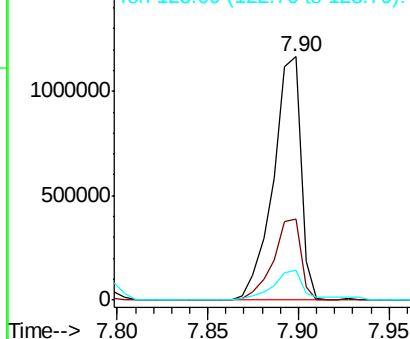
Lab File: BF121482.D

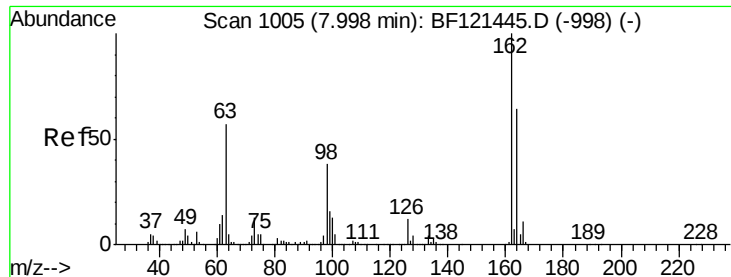
Acq: 31 Aug 2020 17:30

Tgt Ion:	93	Resp:	1237387
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.8	40.2
123	12.4	9.6	14.4



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





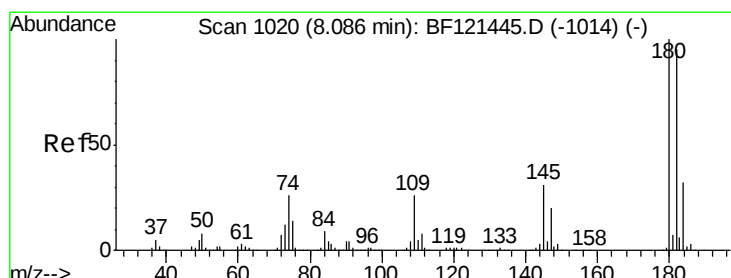
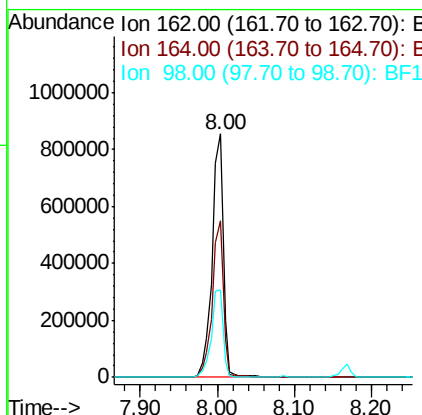
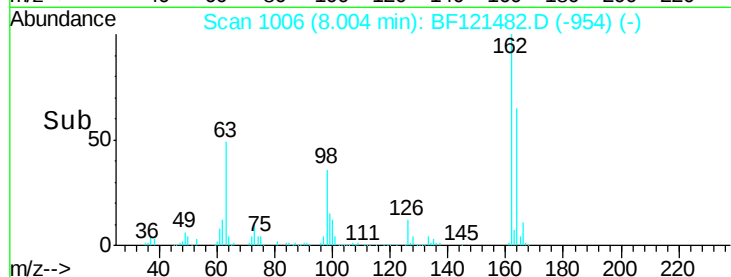
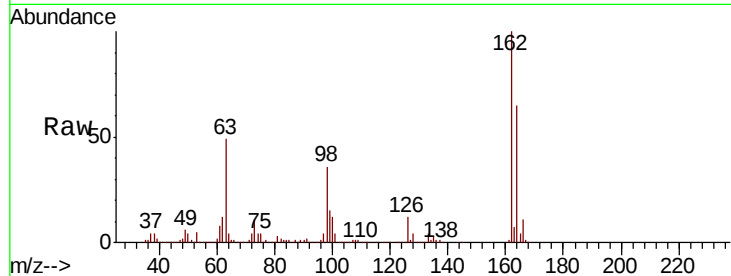
#29
 2,4-Dichlorophenol
 Concen: 45.808 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampled :
 12018MSD

Tot Ion:	162	Resp:	850572
Ion Ratio	Lower	Upper	
162	100		
164	64.6	44.0	84.0
98	35.7	18.4	58.4

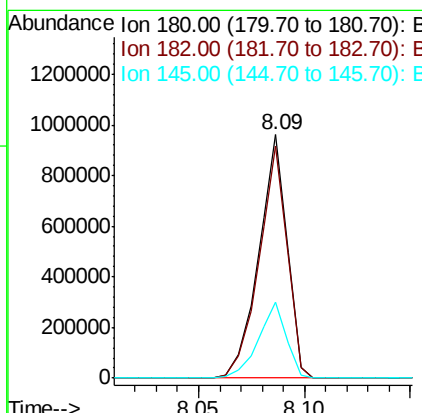
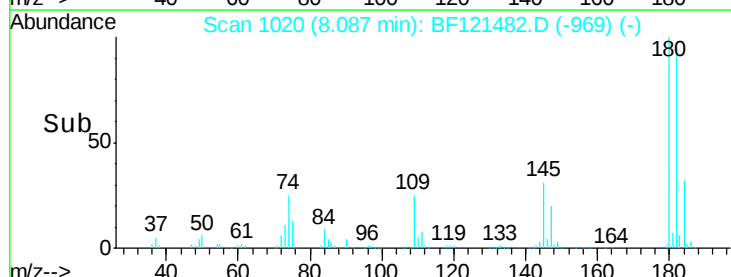
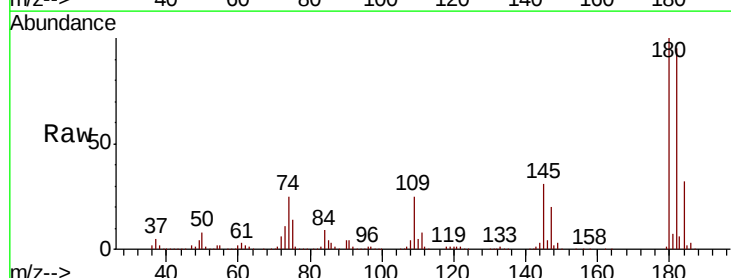
Manual Integrations
 APPROVED

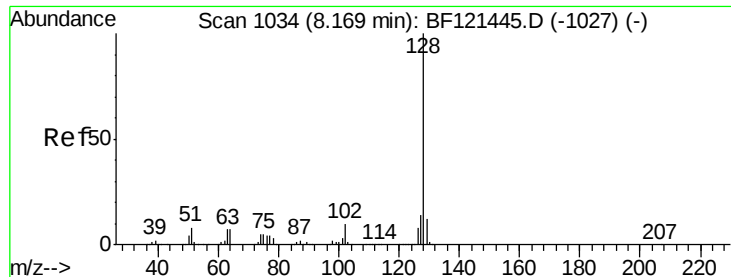
mohammad
 9/2/2020 1:55:56 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 39.303 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion:	180	Resp:	894004
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.2	114.4
145	31.4	25.2	37.8





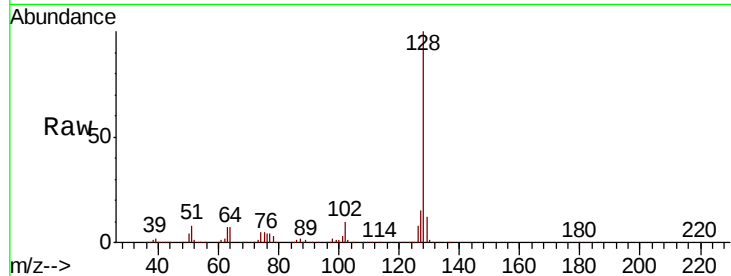
#31
Naphthalene
Concen: 39.957 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.6	14.4
127	14.6	11.4	17.2

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM

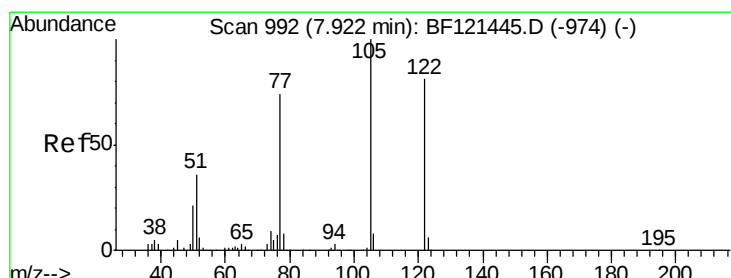
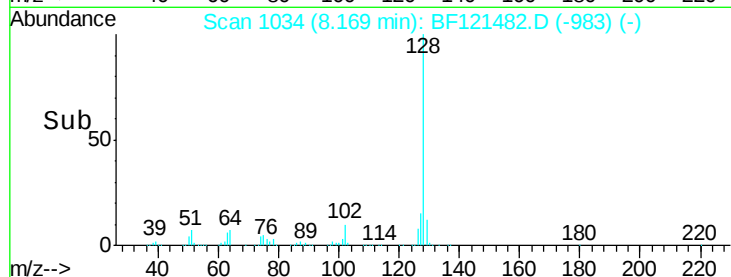
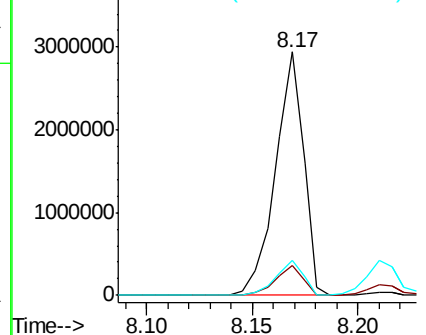


Abundance

Ion 128.00 (127.70 to 128.70): E

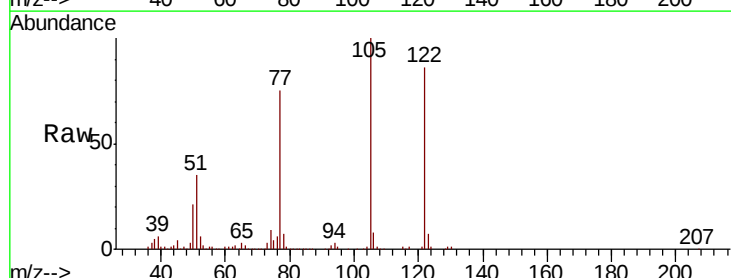
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 52.242 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.9	100.8	140.8
77	87.5	71.5	111.5

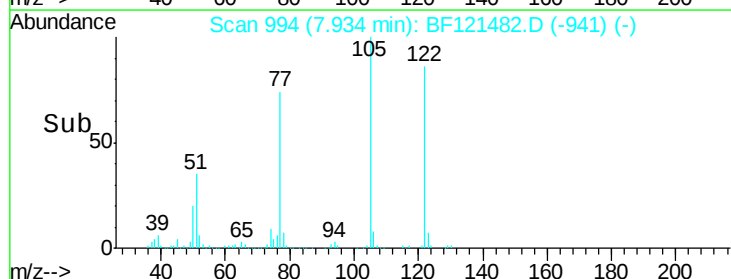
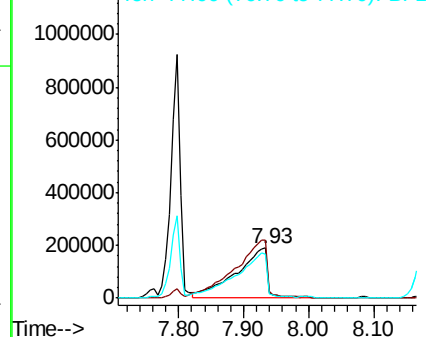


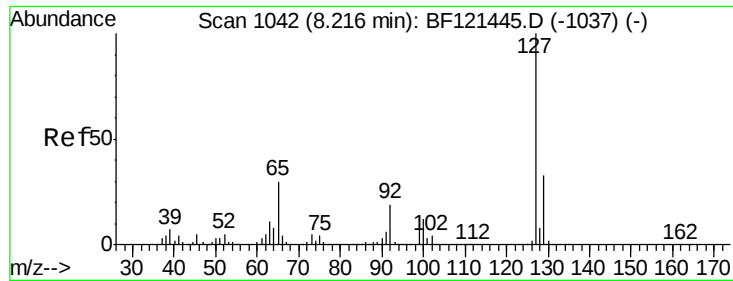
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





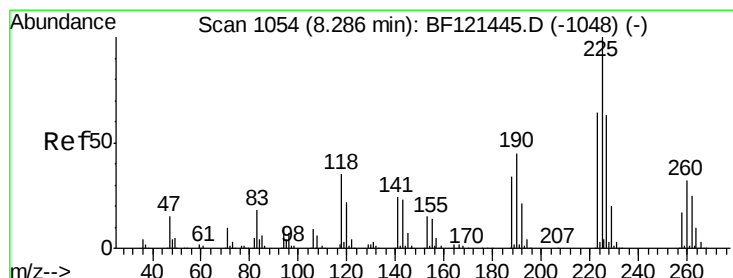
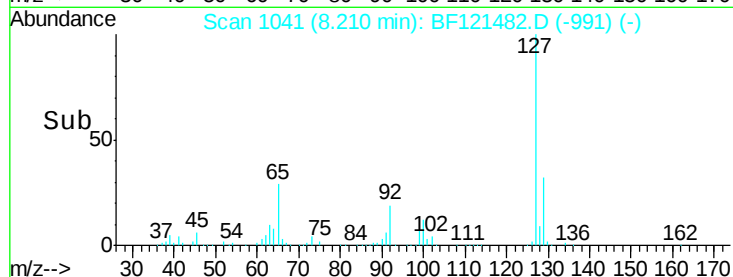
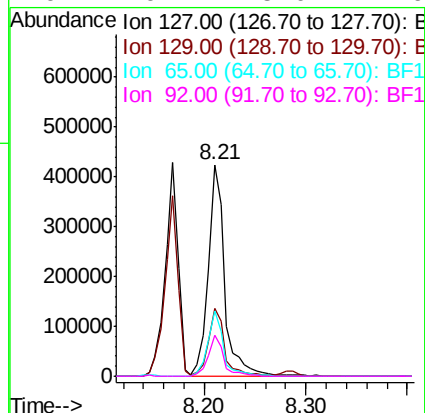
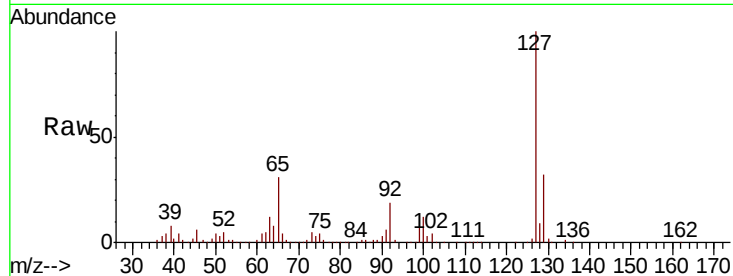
#33
4-Chloroaniline
Concen: 15.555 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		474023		
129	32.0	26.1	39.1		
65	30.6	23.7	35.5		
92	19.2	15.0	22.6		

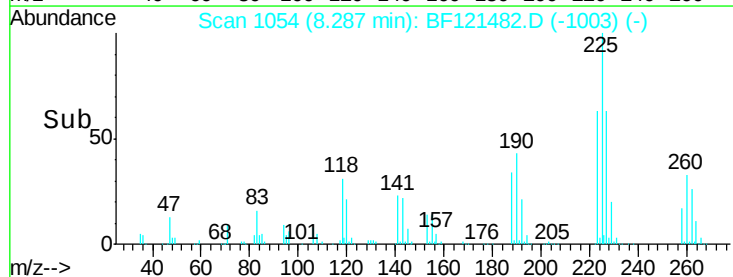
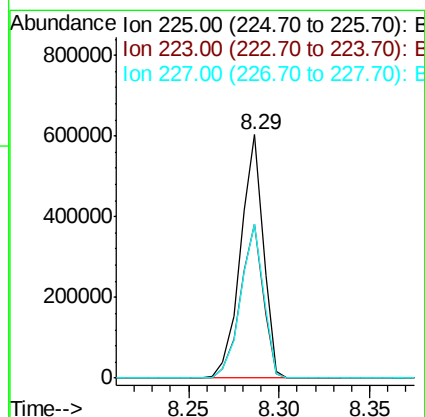
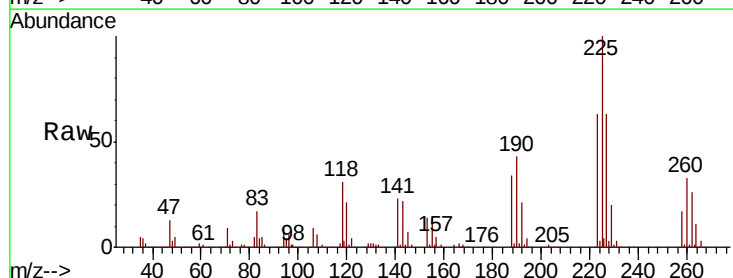
Manual Integrations
APPROVED

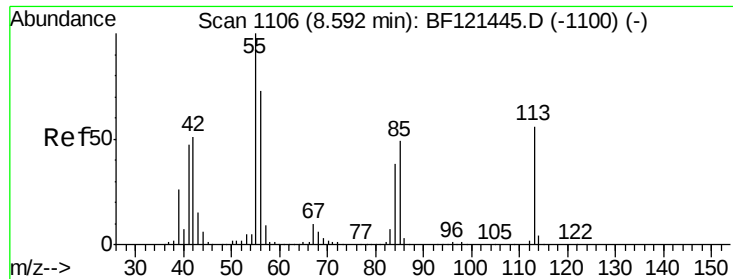
mohammad
9/2/2020 1:55:56 PM



#34
Hexachlorobutadiene
Concen: 38.885 ng
RT: 8.29 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		525998		
223	63.3	51.0	76.4		
227	63.1	50.0	75.0		





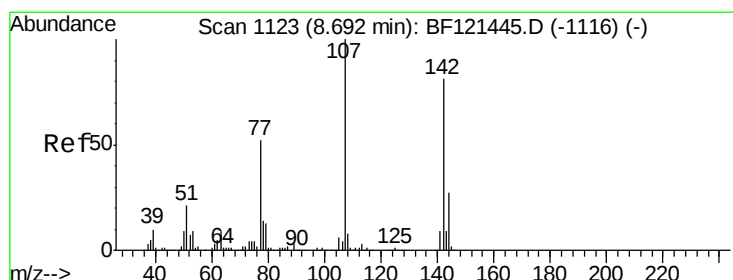
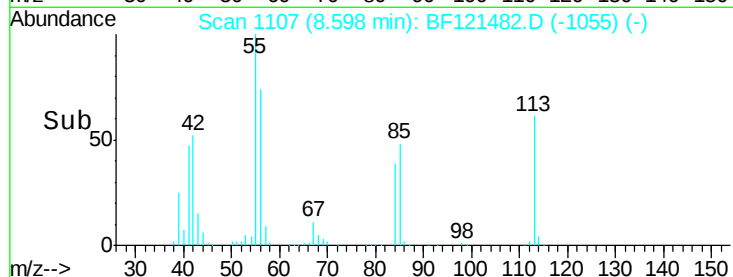
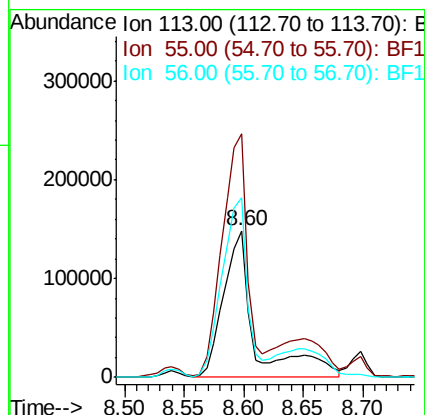
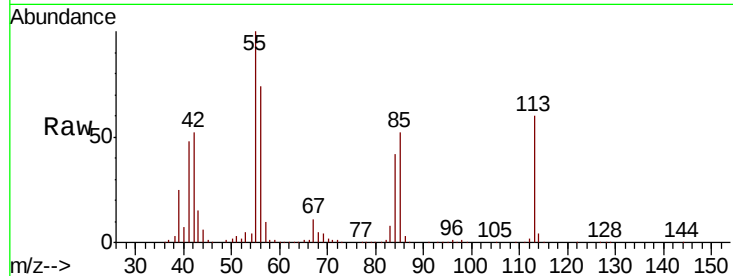
#35
Caprolactam
Concen: 45.148 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleID :
12018MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	165.7	159.9	199.9
56	122.3	111.4	151.4

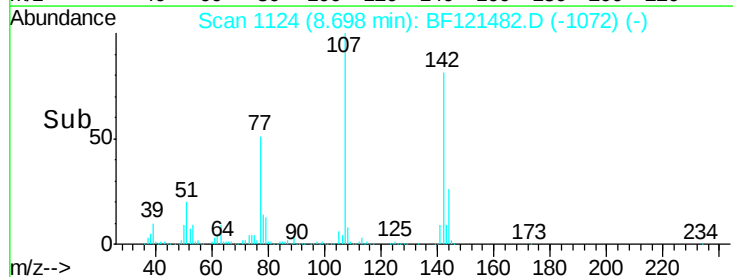
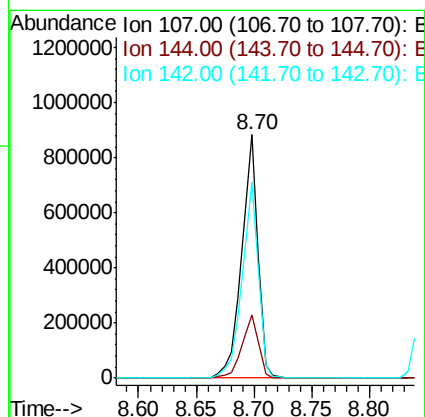
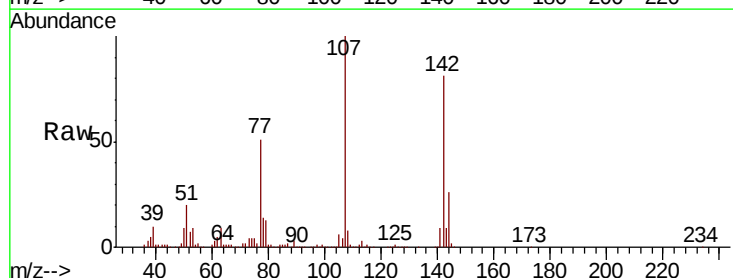
Manual Integrations
APPROVED

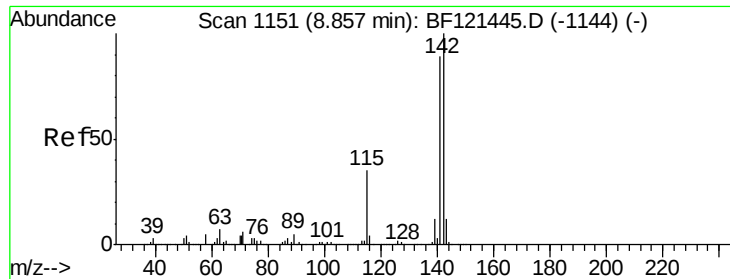
mohammad
9/2/2020 1:55:56 PM



#36
4-Chloro-3-methylphenol
Concen: 44.451 ng/ml
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.4	32.2
142	80.6	65.0	97.4





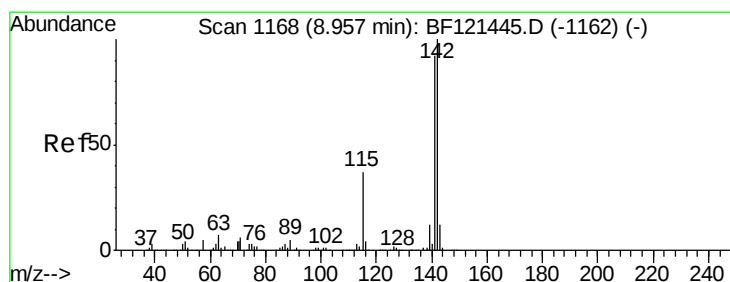
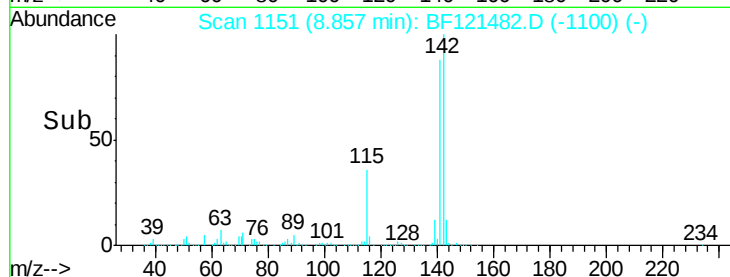
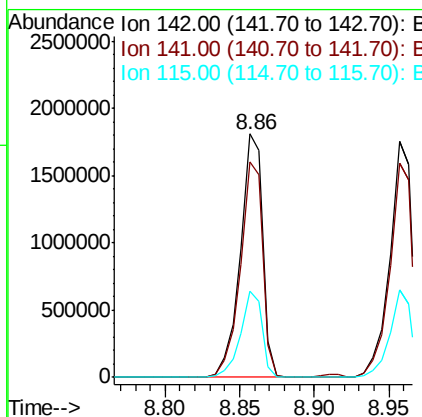
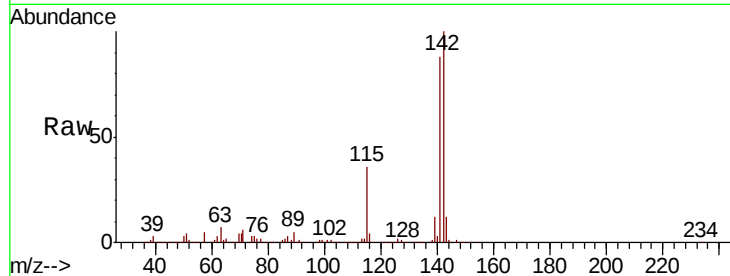
#37
2-Methylnaphthalene
Concen: 41.401 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ion	Ratio	Lower	Upper
142	100			
141	88.3	70.8	106.2	
115	35.6	28.2	42.4	

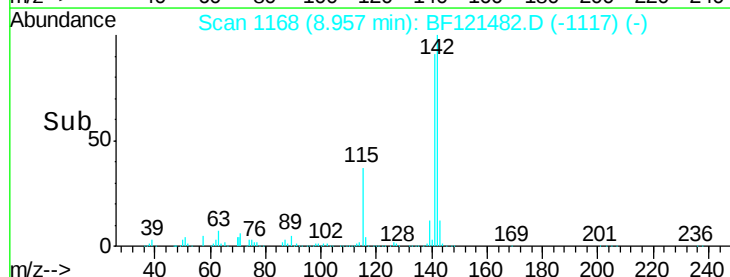
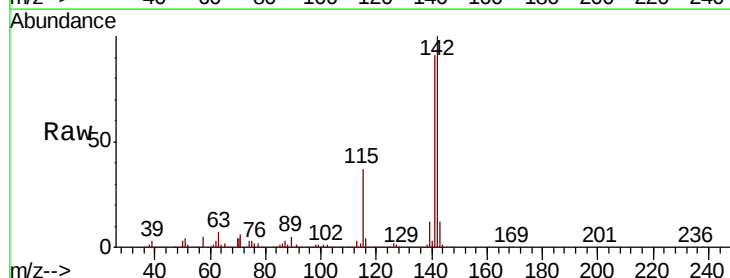
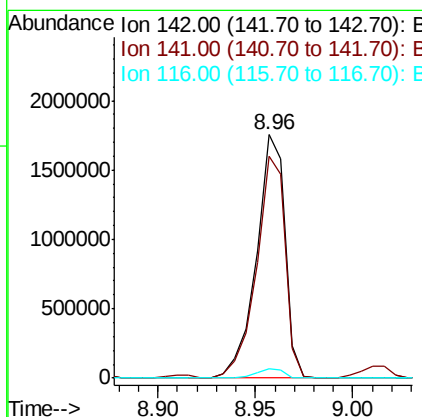
Manual Integrations
APPROVED

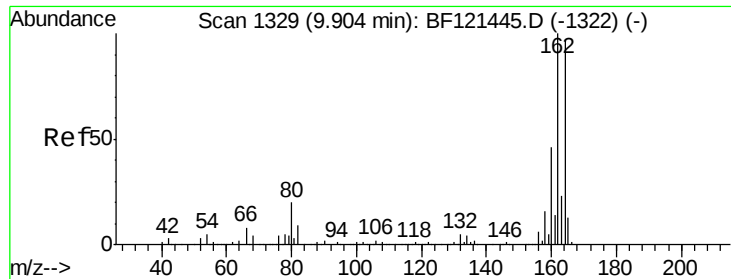
mohammad
9/2/2020 1:55:56 PM



#38
1-Methylnaphthalene
Concen: 41.468 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
142	100			
141	90.9	73.7	110.5	
116	4.0	3.1	4.7	





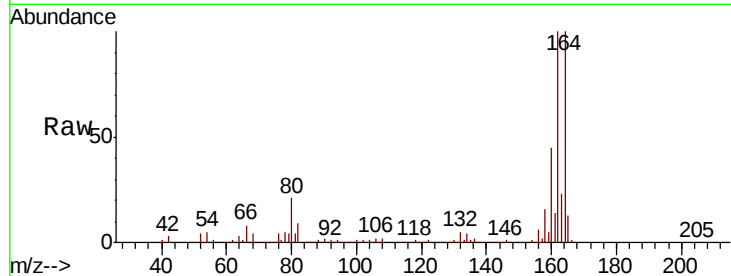
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	82.4	123.6	
160	45.4	37.6	56.4	

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM

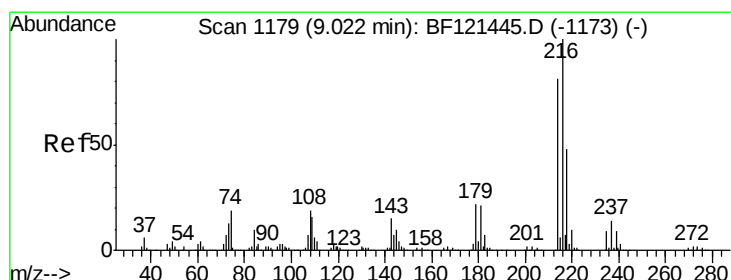
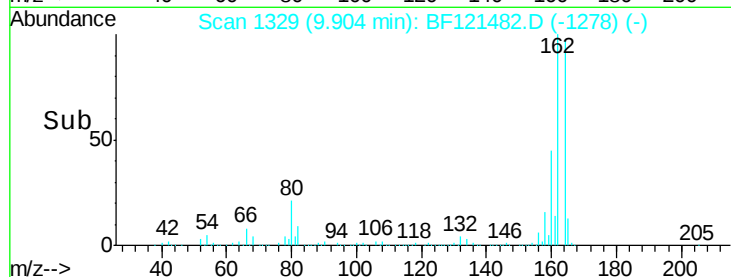
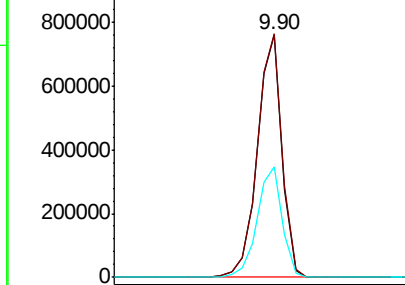


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.087 ng
RT: 9.03 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	64.2	96.4	
179	21.0	17.0	25.4	
108	20.1	15.3	22.9	

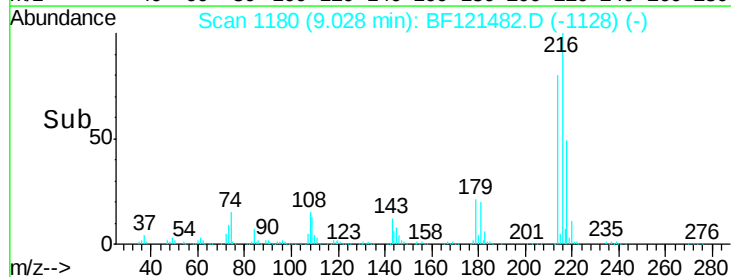
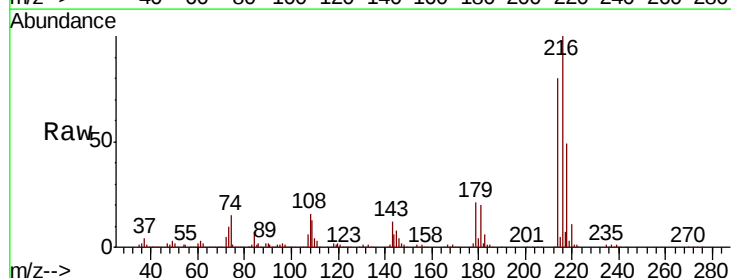
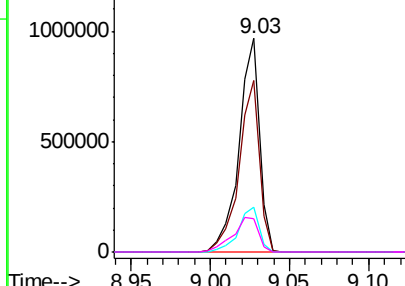
Abundance

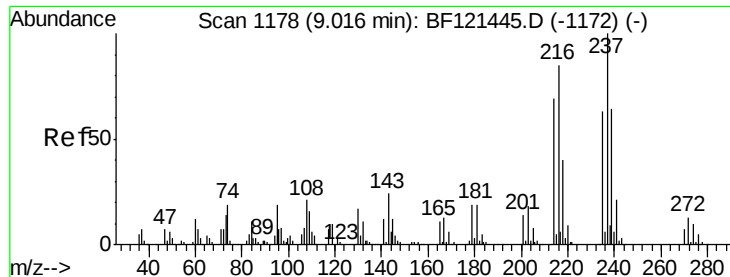
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 87.044 ng

RT: 9.02 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

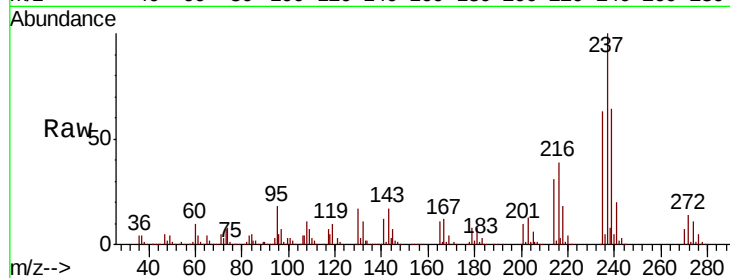
ClientSampleId :

12018MSD

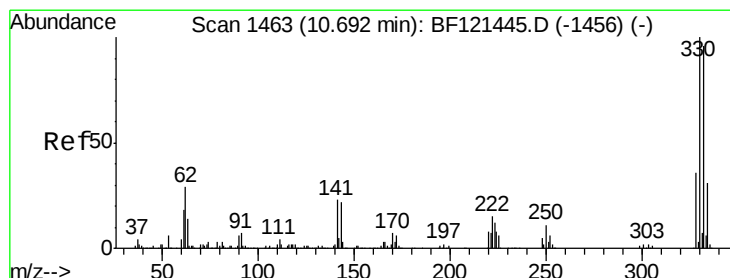
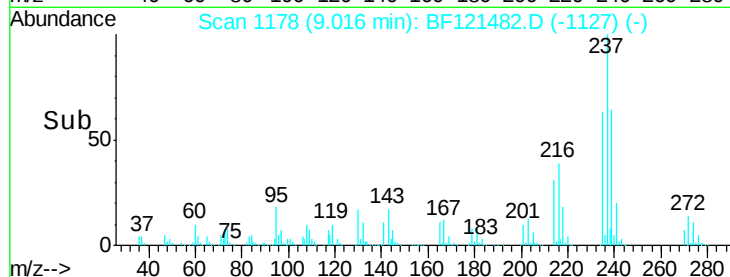
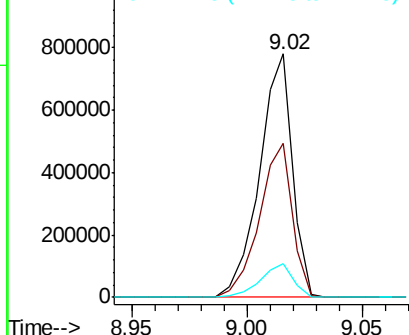
Tot Ion:	237	Resp:	773081
Ion Ratio	Lower	Upper	
237	100		
235	63.4	42.9	82.9
272	13.7	0.0	33.1

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 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: 133.471 ng

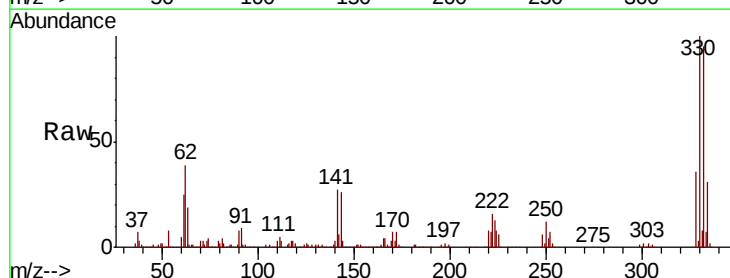
RT: 10.69 min Scan# 1463

Delta R.T. 0.00 min

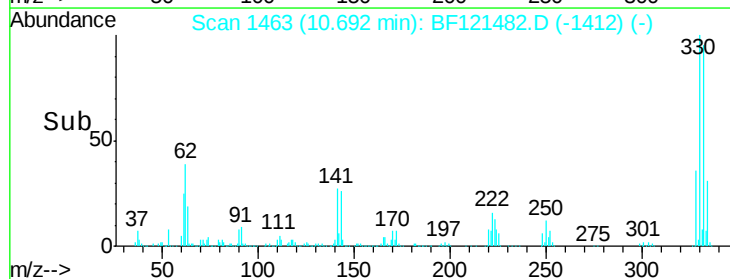
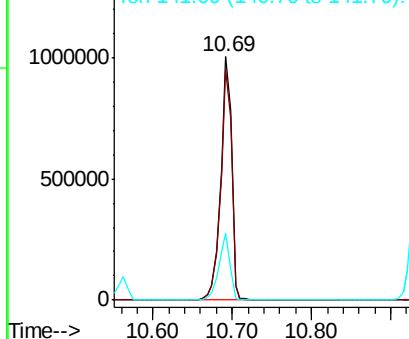
Lab File: BF121482.D

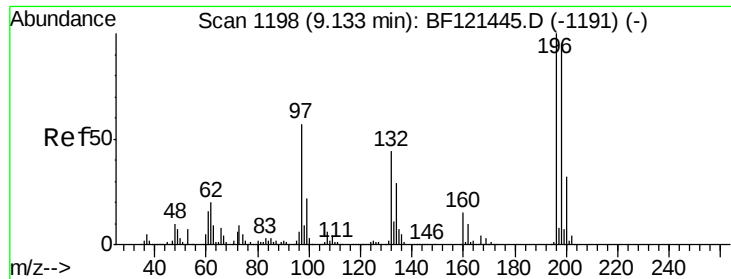
Acq: 31 Aug 2020 17:30

Tgt Ion:	330	Resp:	960507
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.2	114.2
141	27.7	24.6	36.8



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





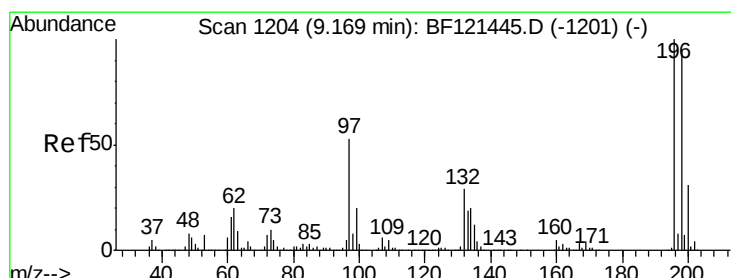
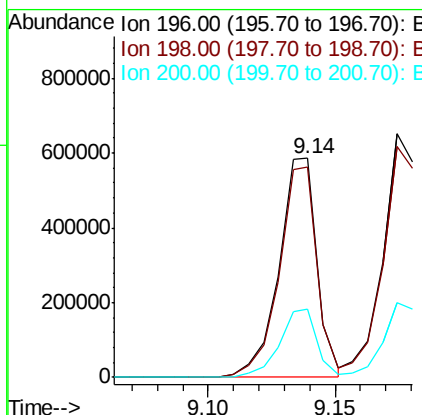
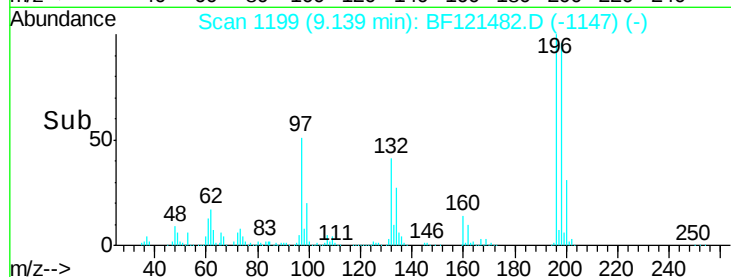
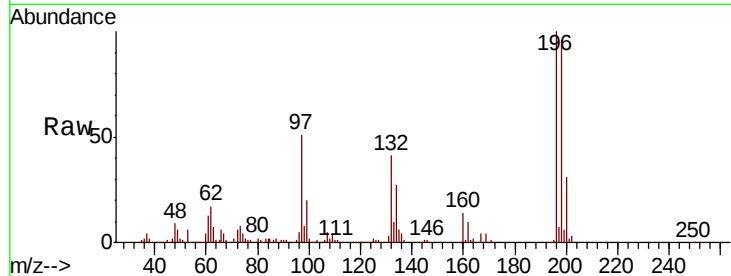
#43
 2,4,6-Trichlorophenol
 Concen: 46.020 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion:	196	Resp:	614325
Ion Ratio	Lower	Upper	
196	100		
198	95.9	75.8	113.6
200	31.3	25.3	37.9

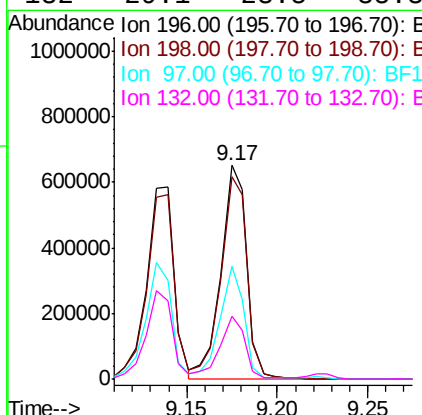
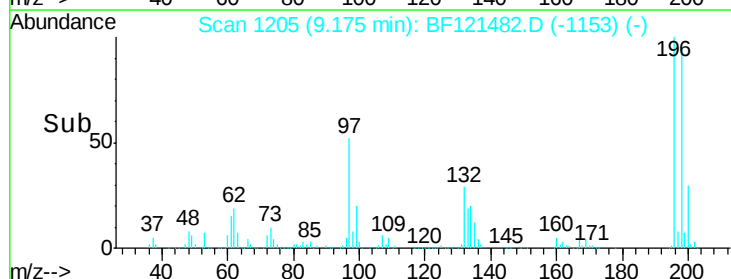
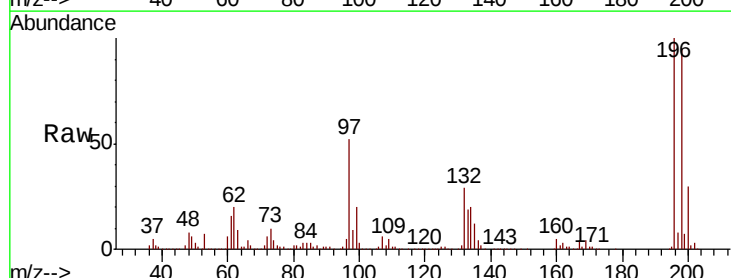
Manual Integrations
 APPROVED

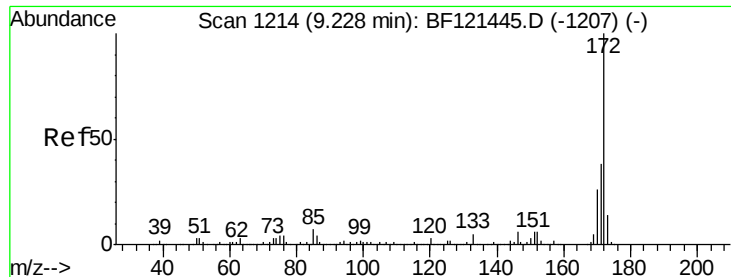
mohammad
 9/2/2020 1:55:56 PM



#44
 2,4,5-Trichlorophenol
 Concen: 48.431 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion:	196	Resp:	639293
Ion Ratio	Lower	Upper	
196	100		
198	94.9	76.2	114.2
97	52.5	42.6	64.0
132	29.1	23.5	35.3





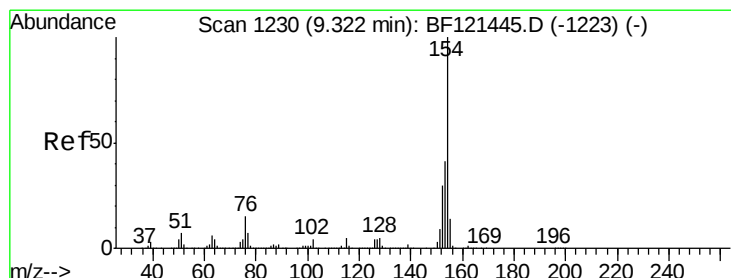
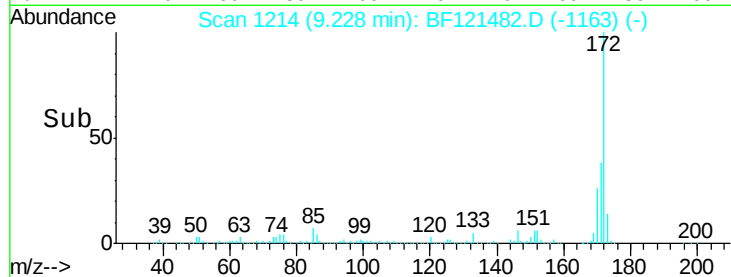
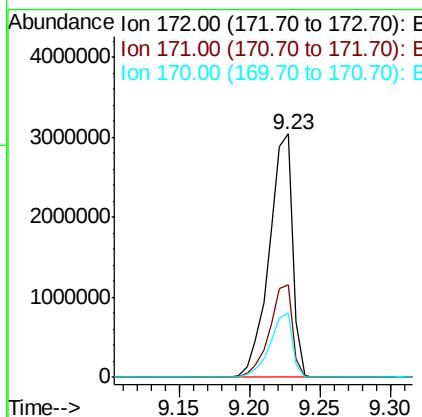
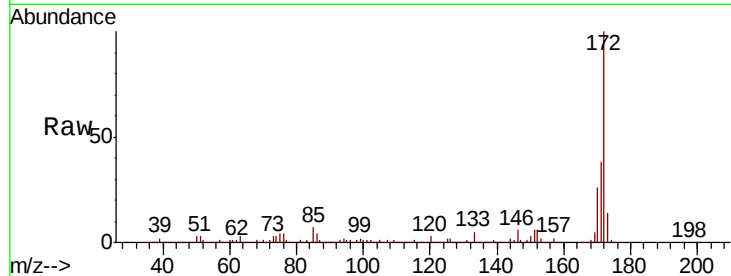
#45
 2-Fluorobiphenyl
 Concen: 80.485 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.6	45.8
170	26.2	20.6	31.0

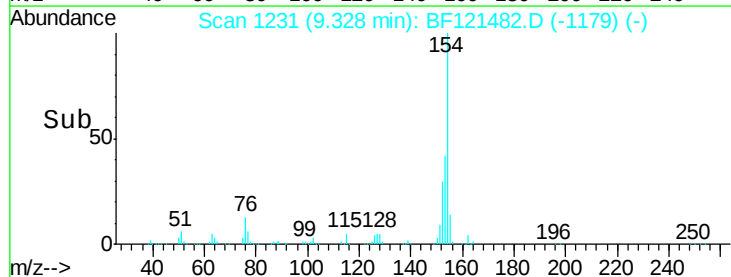
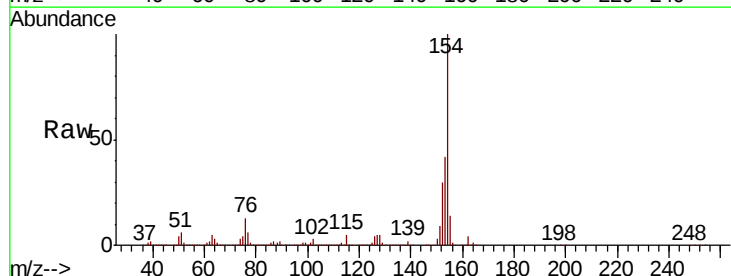
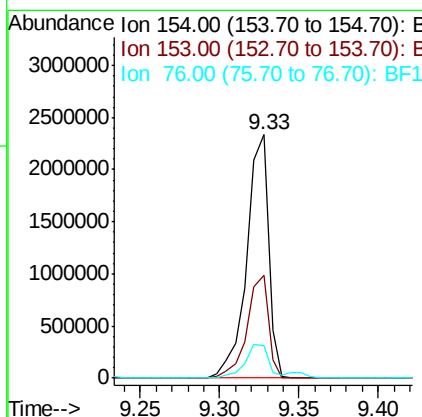
Manual Integrations
 APPROVED

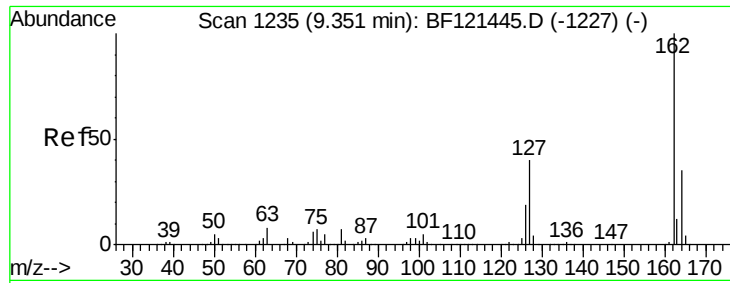
mohammad
 9/2/2020 1:55:56 PM



#46
 1,1'-Biphenyl
 Concen: 41.452 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	21.2	61.2
76	13.4	0.0	35.2





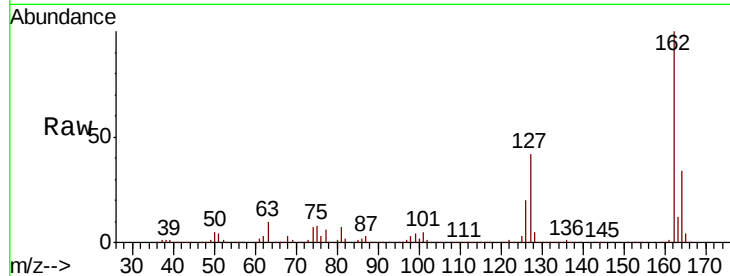
#47
2-Chloronaphthalene
Concen: 38.451 ng
RT: 9.35 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

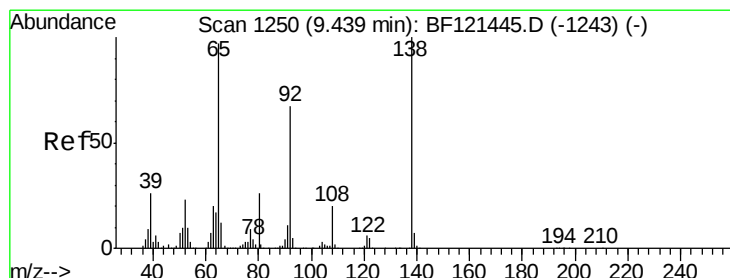
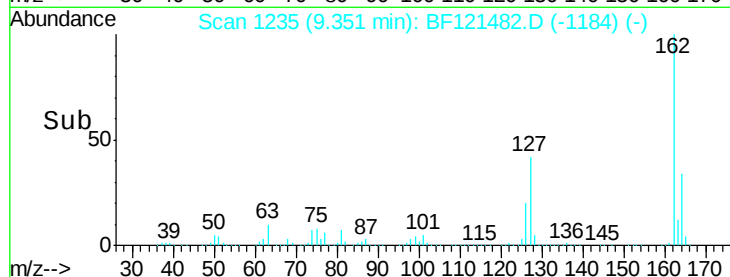
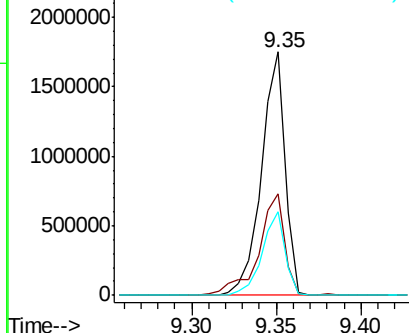
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.9	32.6	48.8
164	34.3	27.8	41.6

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



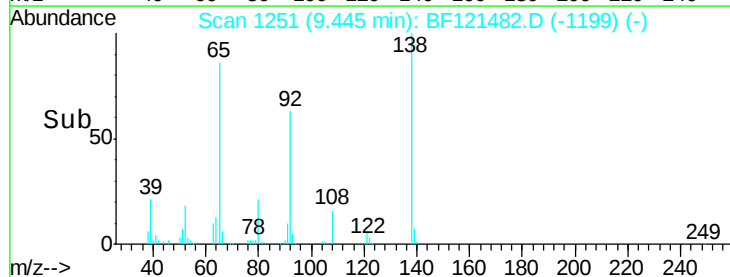
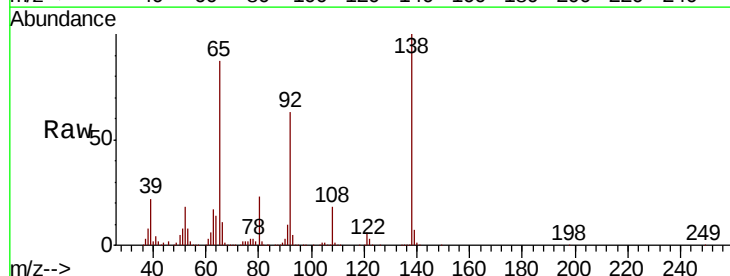
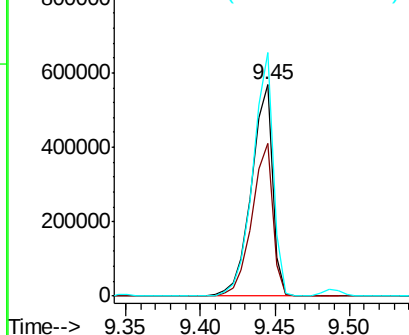
Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

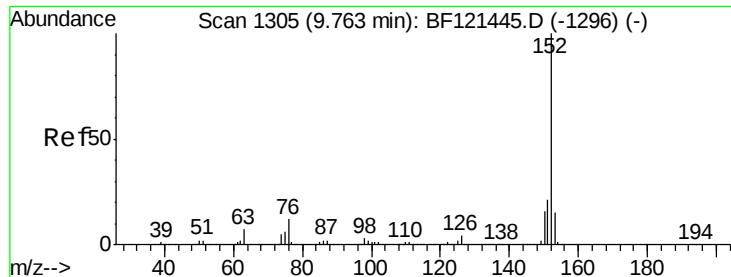


#48
2-Nitroaniline
Concen: 45.236 ng
RT: 9.45 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.4	55.6	83.4
138	115.1	82.9	124.3

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: 41.415 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampleId :

12018MSD

Tot Ion:152 Resp: 2745206

Ion Ratio Lower Upper

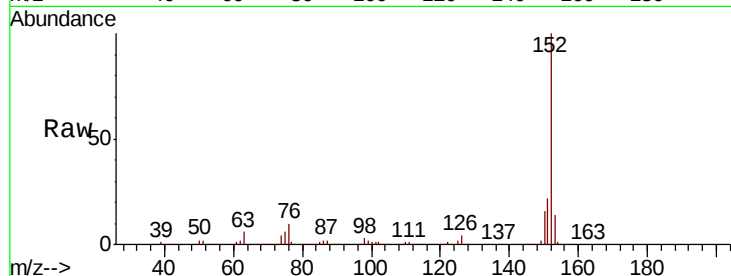
152 100

151 21.7 17.2 25.8

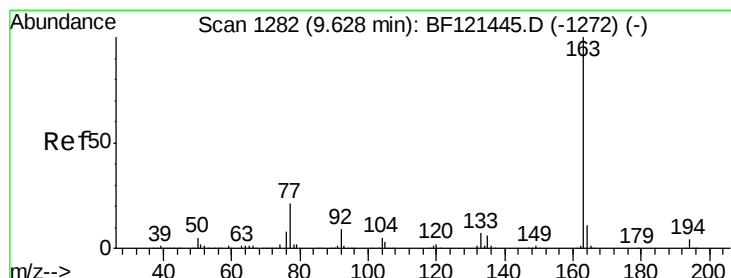
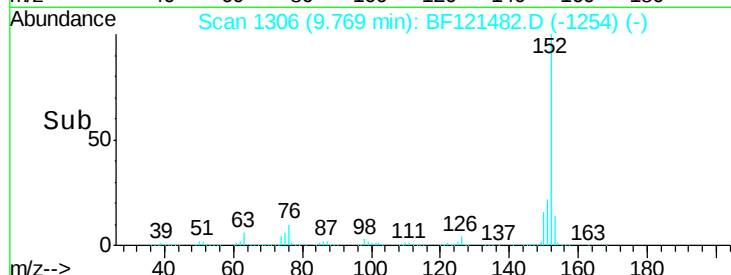
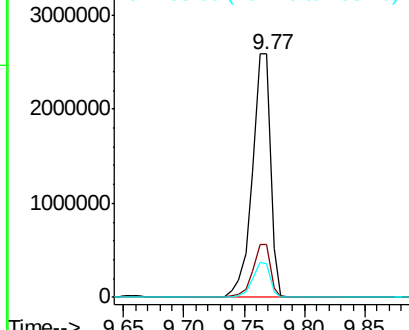
153 13.9 11.6 17.4

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



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



#50

Dimethylphthalate

Concen: 44.965 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

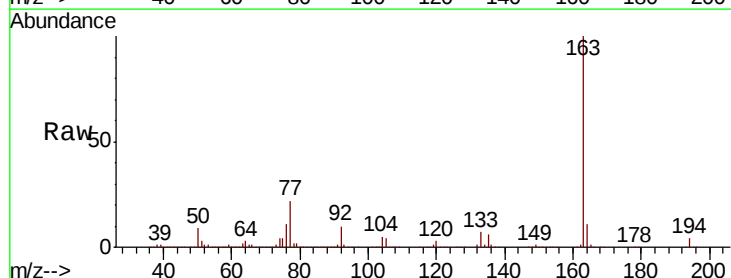
Tgt Ion:163 Resp: 2200593

Ion Ratio Lower Upper

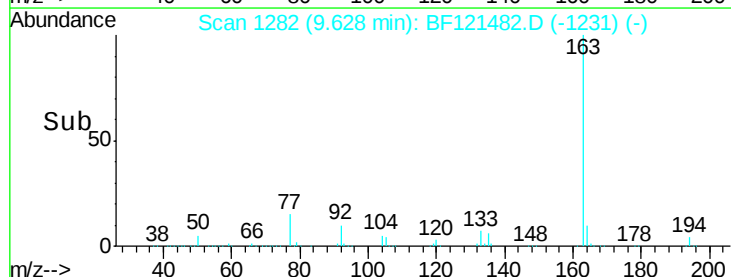
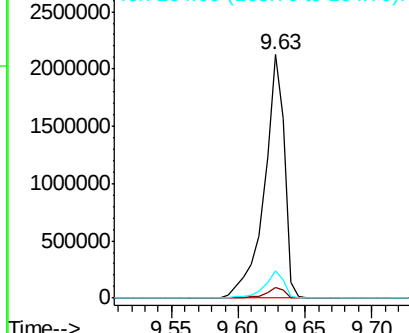
163 100

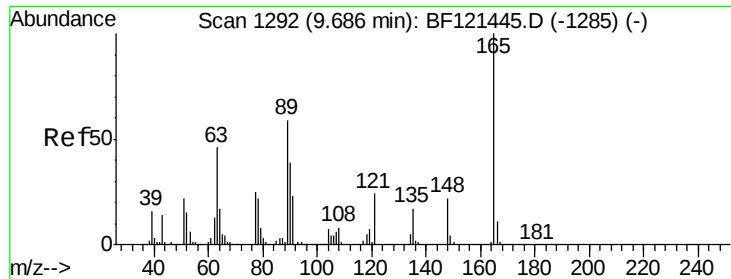
194 4.2 3.3 4.9

164 11.1 8.6 12.8



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





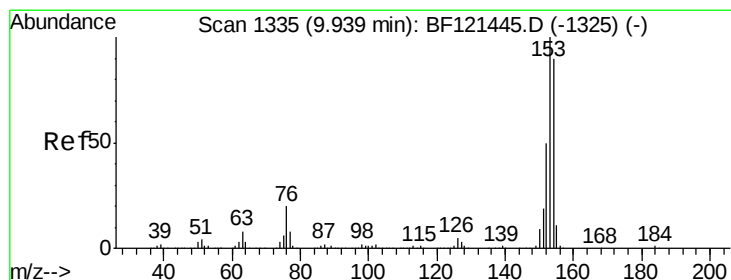
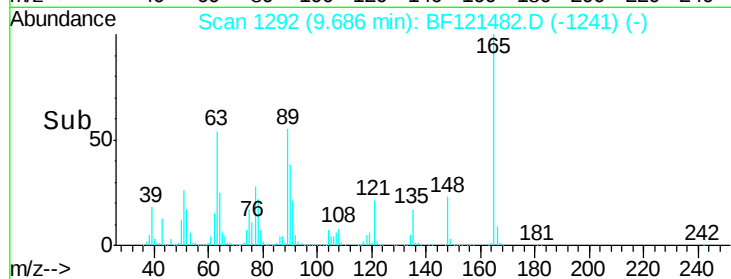
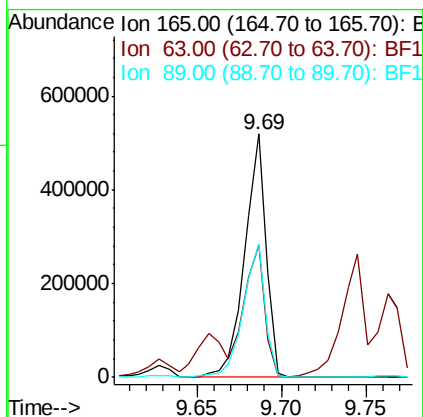
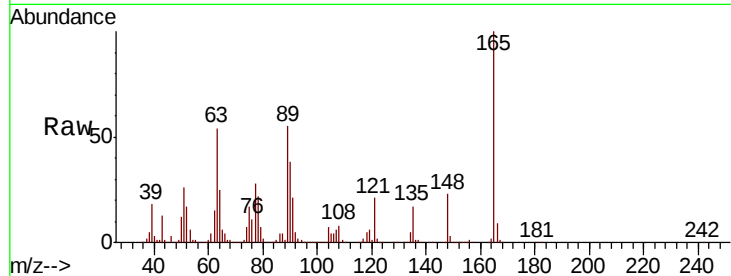
#51
 2,6-Dinitrotoluene
 Concen: 50.154 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	463075		
63	54.3	43.6	65.4	
89	55.0	47.4	71.2	

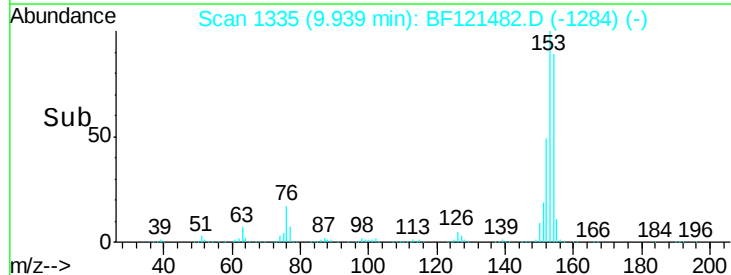
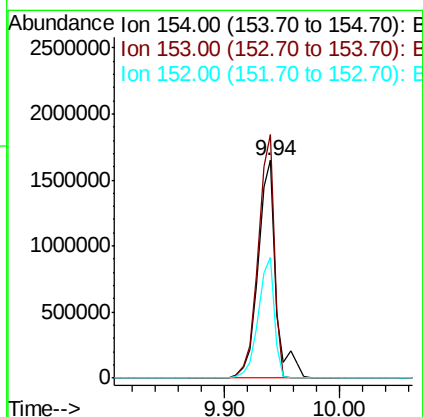
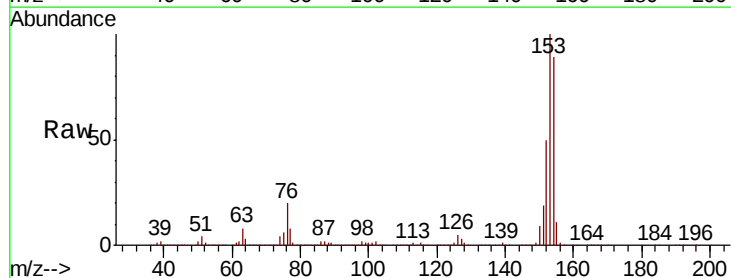
Manual Integrations
 APPROVED

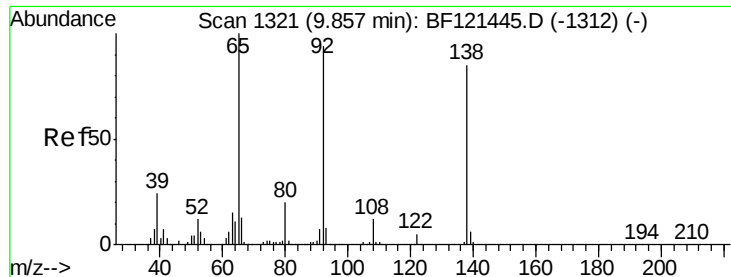
mohammad
 9/2/2020 1:55:56 PM



#52
 Acenaphthene
 Concen: 42.626 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1784124		
153	111.9	88.9	133.3	
152	55.5	44.1	66.1	





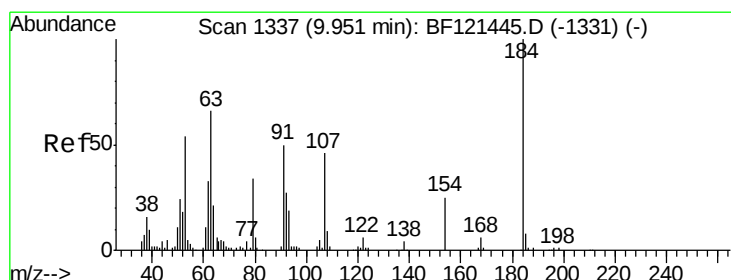
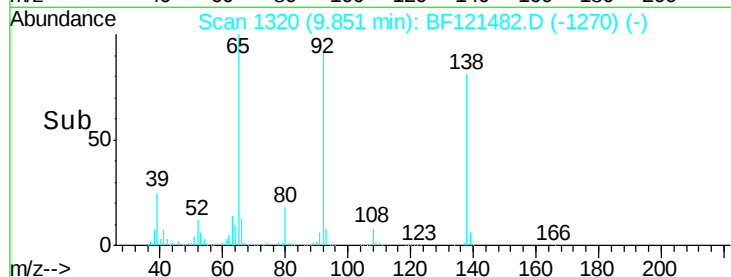
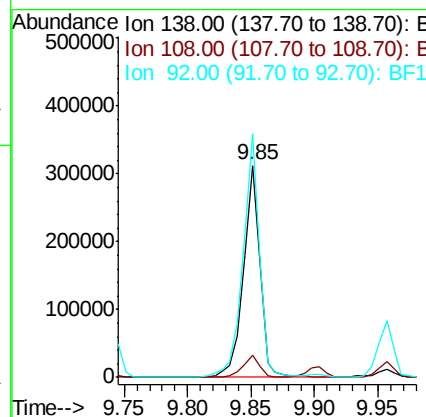
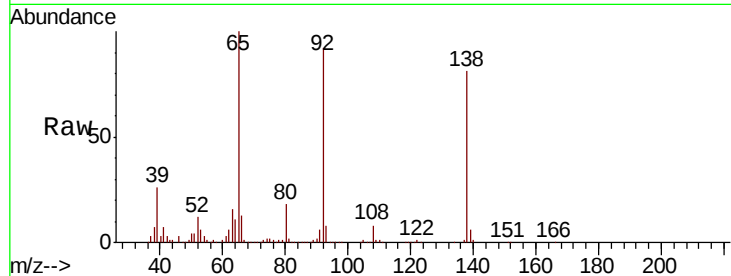
#53
3-Nitroaniline
Concen: 26.670 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	11.6	17.4#
92	114.8	88.6	132.8

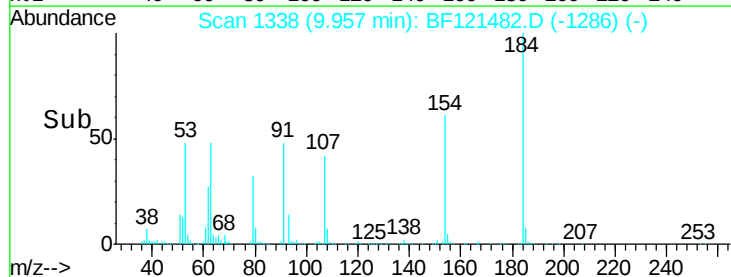
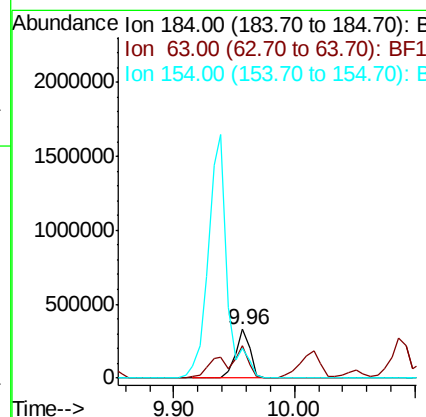
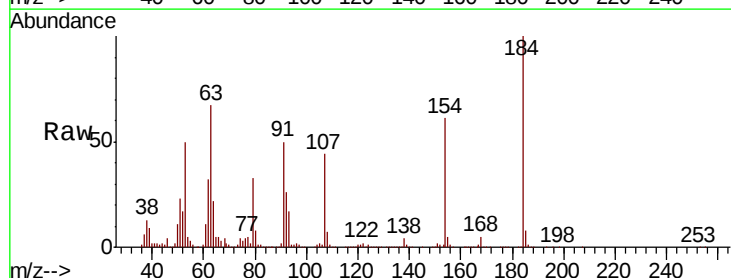
Manual Integrations
APPROVED

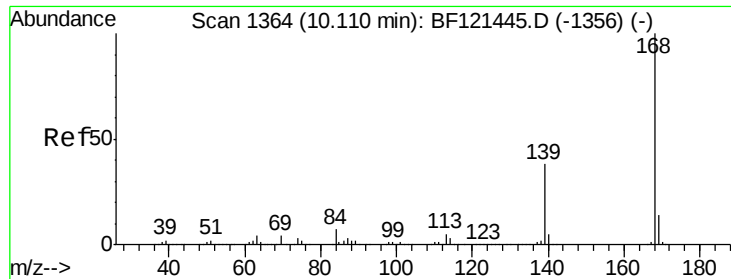
mohammad
9/2/2020 1:55:56 PM



#54
2,4-Dinitrophenol
Concen: 72.435 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.9	56.8	85.2
154	61.3	55.9	83.9





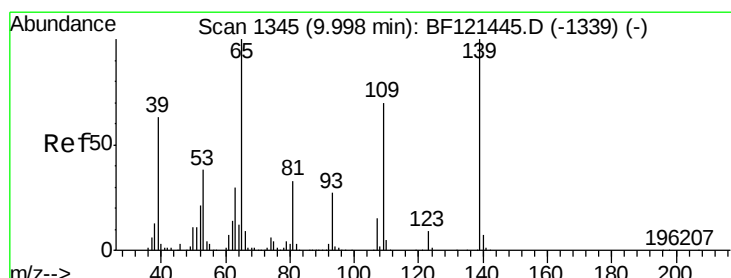
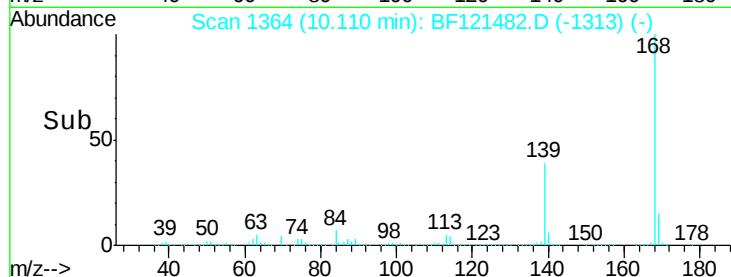
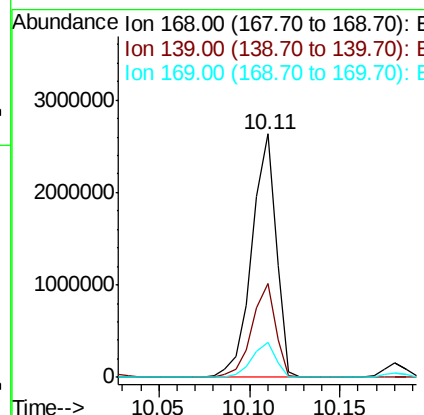
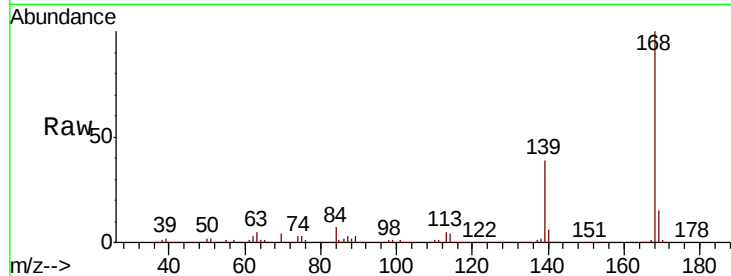
#55
Dibenzofuran
Concen: 40.387 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.1	45.1
169	14.6	11.2	16.8

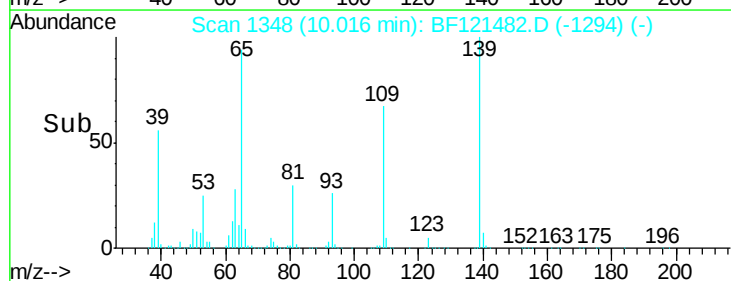
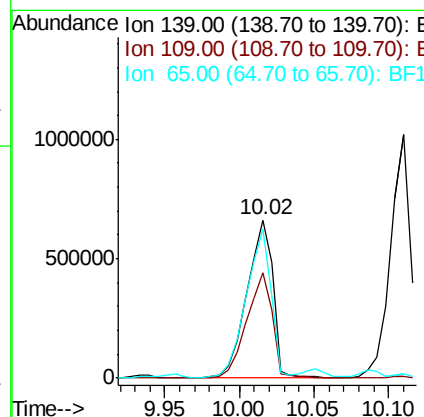
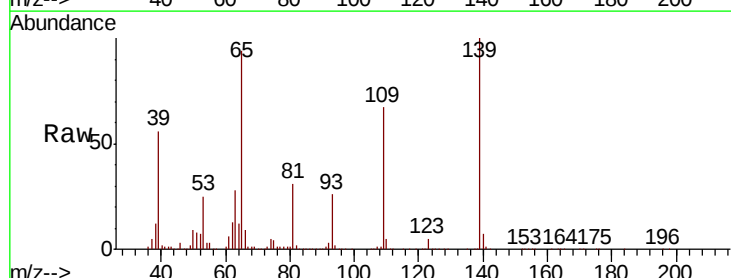
Manual Integrations
APPROVED

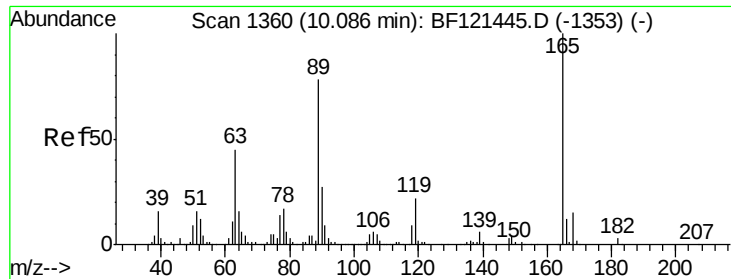
mohammad
9/2/2020 1:55:56 PM



#56
4-Nitrophenol
Concen: 83.859 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.02 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.7	50.5	90.5
65	94.2	80.2	120.2





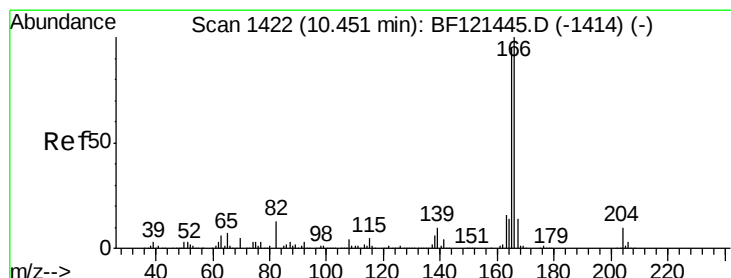
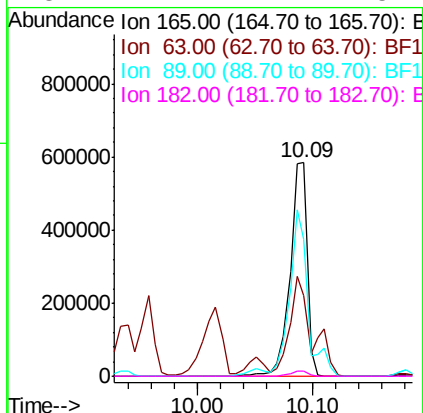
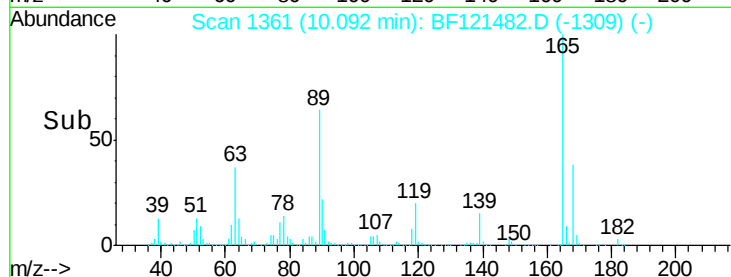
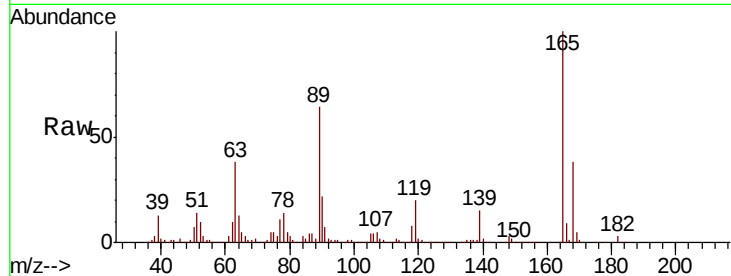
#57
 2,4-Dinitrotoluene
 Concen: 52.688 ng
 RT: 10.09 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion:	165	Resp:	604387
Ion Ratio	Lower	Upper	
165	100		
63	37.5	36.0	54.0
89	64.1	62.6	93.8
182	2.7	2.2	3.2

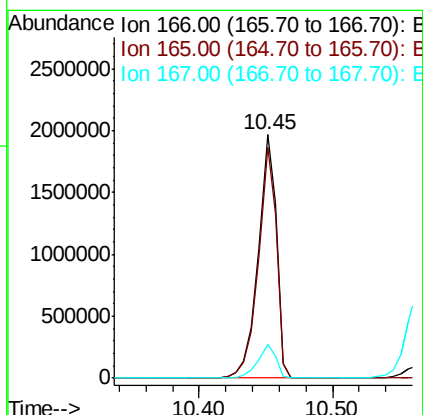
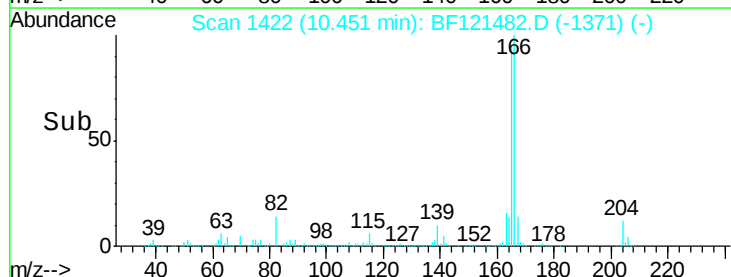
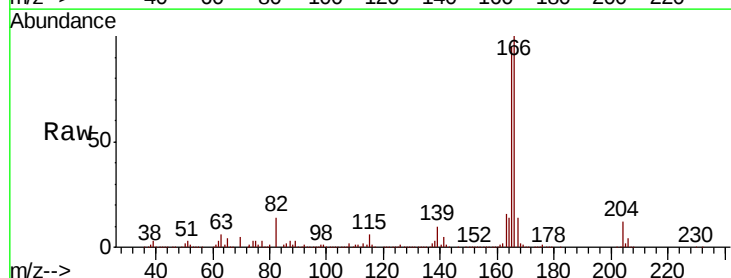
Manual Integrations
 APPROVED

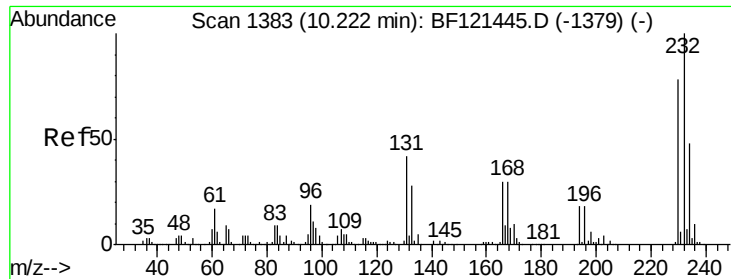
mohammad
 9/2/2020 1:55:56 PM



#58
 Fluorene
 Concen: 39.660 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion:	166	Resp:	1817742
Ion Ratio	Lower	Upper	
166	100		
165	94.6	75.7	113.5
167	14.0	11.1	16.7





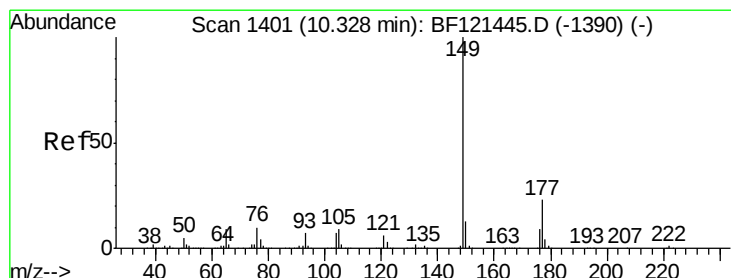
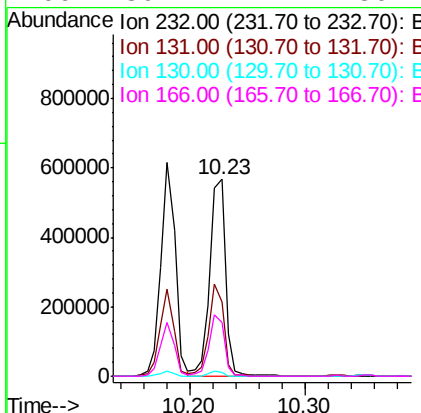
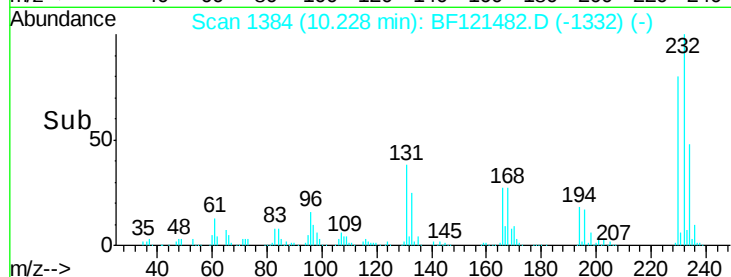
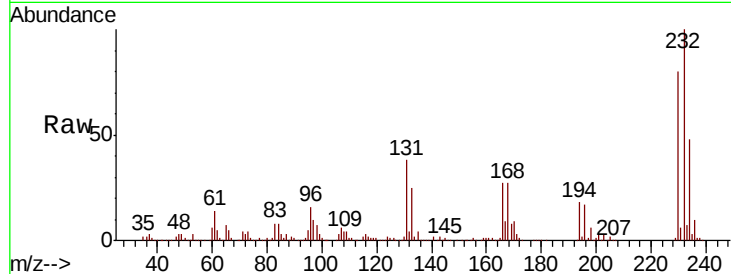
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.156 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		540220		
131	43.9	35.7	53.5		
130	2.3	1.8	2.6		
166	30.1	24.1	36.1		

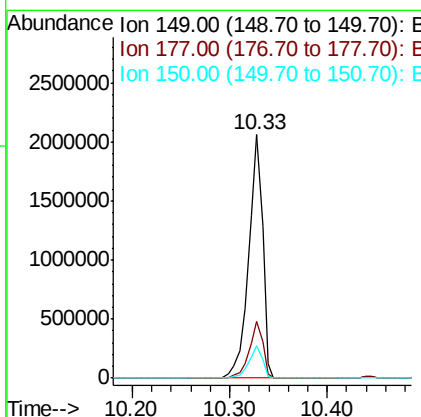
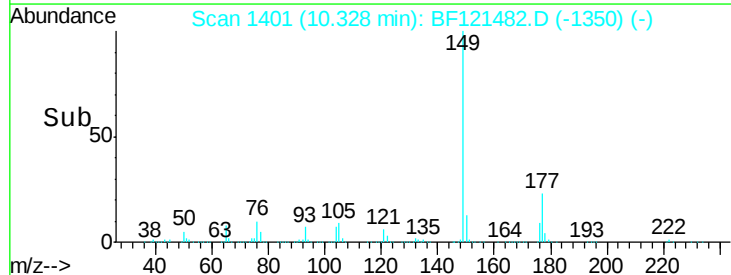
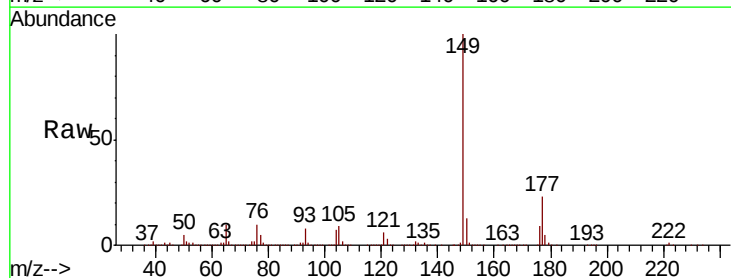
Manual Integrations
 APPROVED

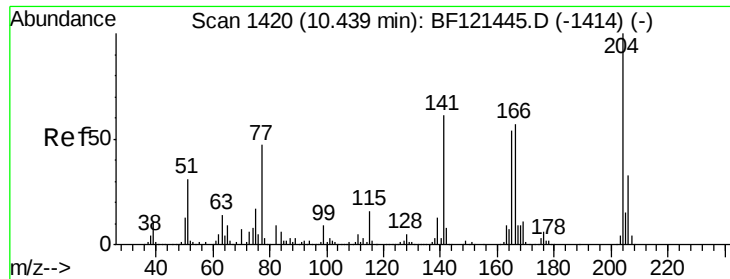
mohammad
 9/2/2020 1:55:56 PM



#60
 Diethylphthalate
 Concen: 41.757 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		2053148		
177	23.1	18.3	27.5		
150	13.4	10.4	15.6		





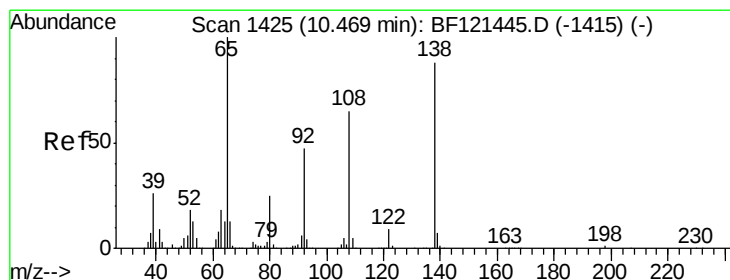
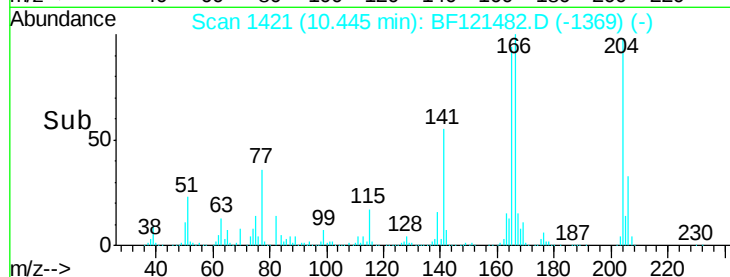
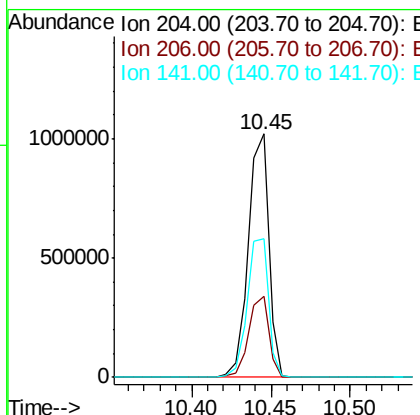
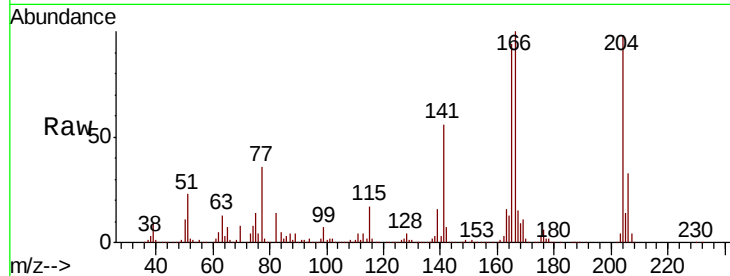
#61
4-Chlorophenyl-phenylether
Concen: 39.843 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.3	39.5
141	56.8	48.7	73.1

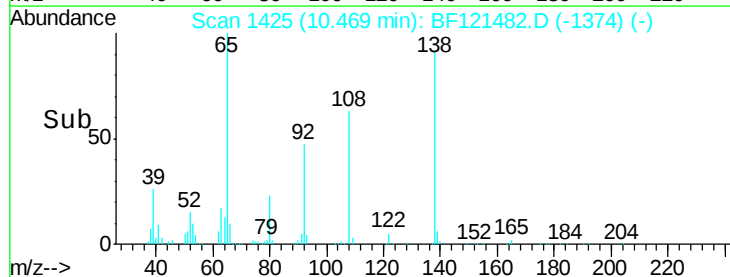
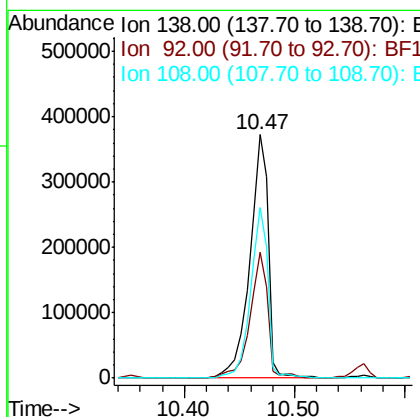
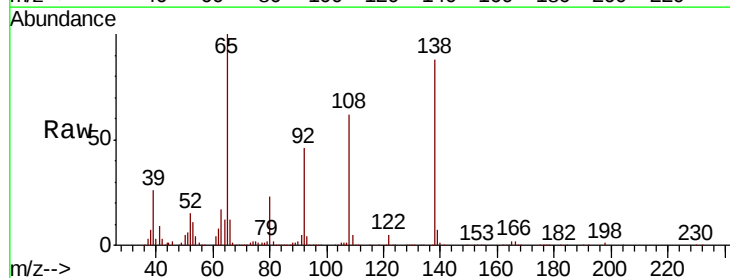
Manual Integrations
APPROVED

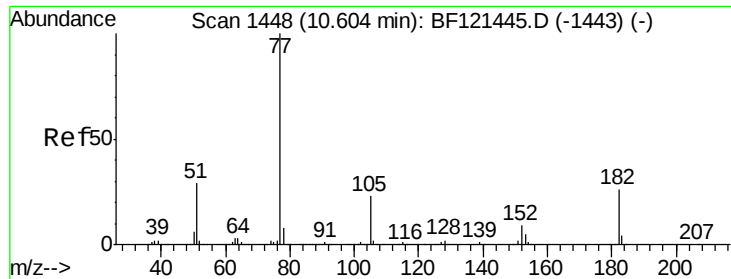
mohammad
9/2/2020 1:55:56 PM



#62
4-Nitroaniline
Concen: 37.718 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.6	33.2	73.2
108	70.0	53.6	93.6





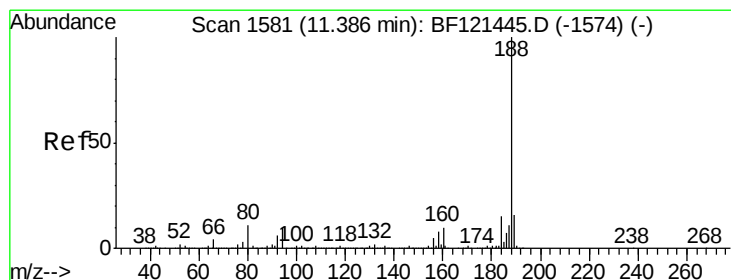
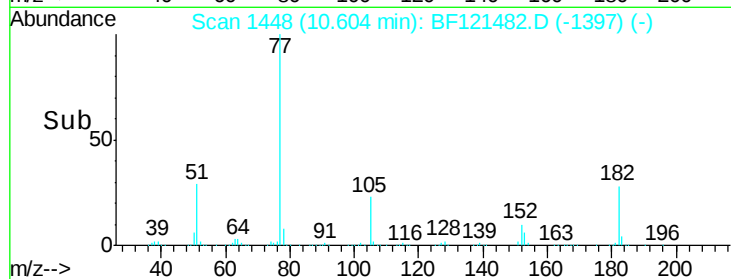
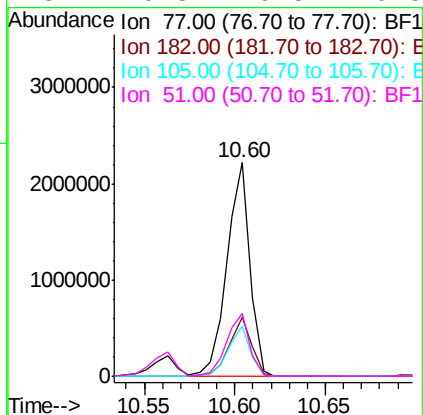
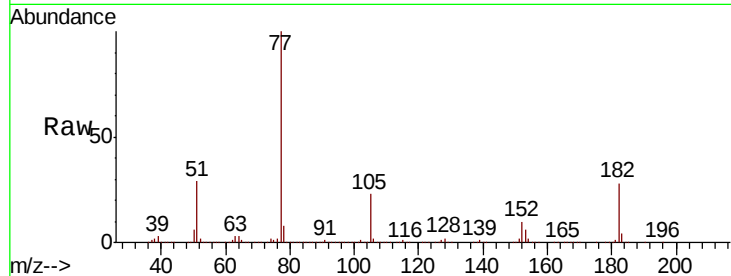
#63
Azobenzene
Concen: 40.177 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	77	100		
182	182	27.5	6.2	46.2
105	105	23.3	3.3	43.3
51	51	29.3	9.5	49.5

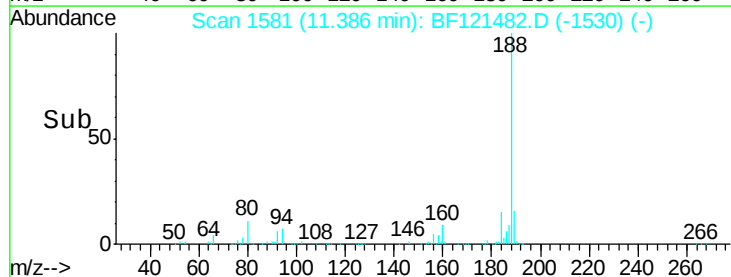
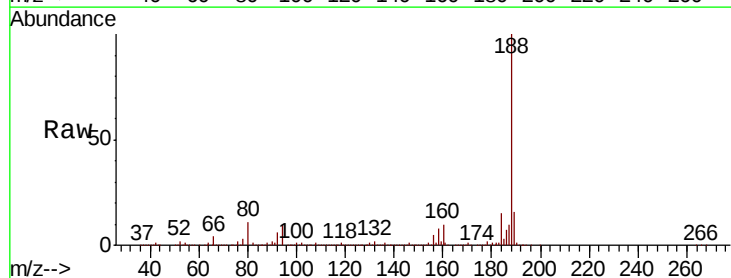
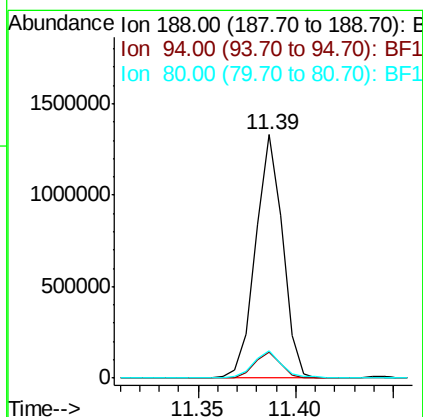
Manual Integrations
APPROVED

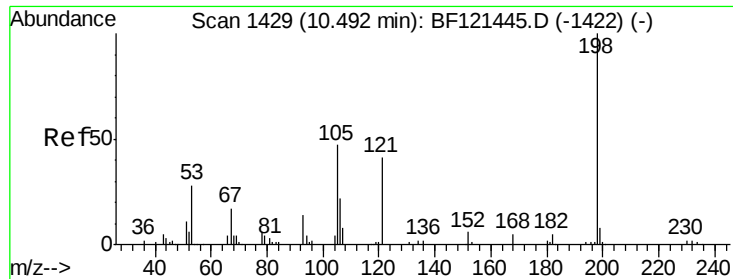
mohammad
9/2/2020 1:55:56 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
188	188	100		
94	94	10.5	8.3	12.5
80	80	11.1	8.6	13.0





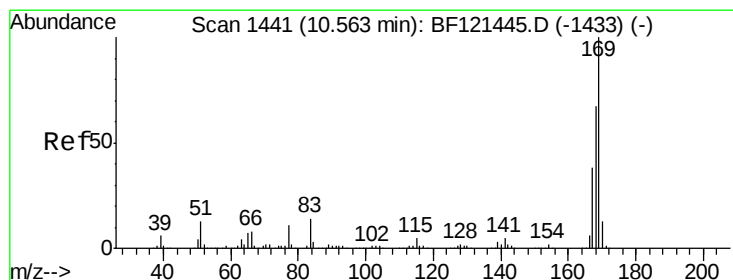
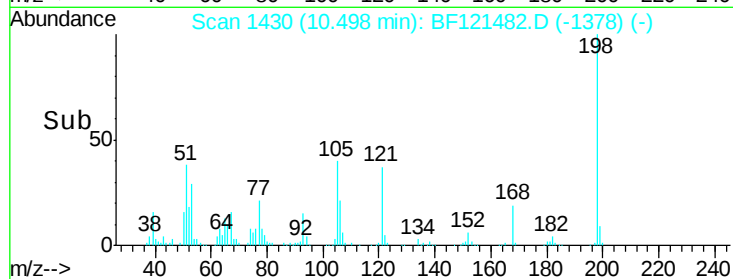
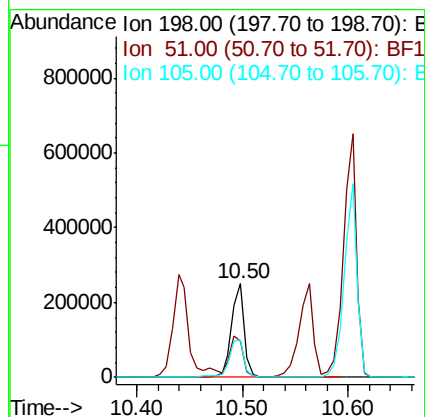
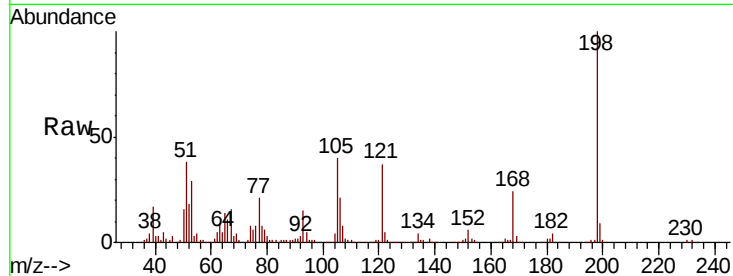
#65
 4,6-Dinitro-2-methylphenol
 Concen: 52.866 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	208360		
51	38.3	29.0	69.0	
105	39.9	29.1	69.1	

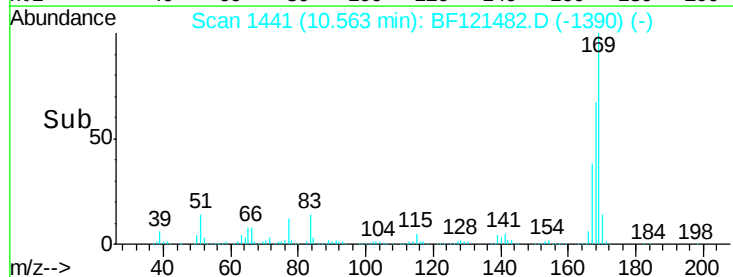
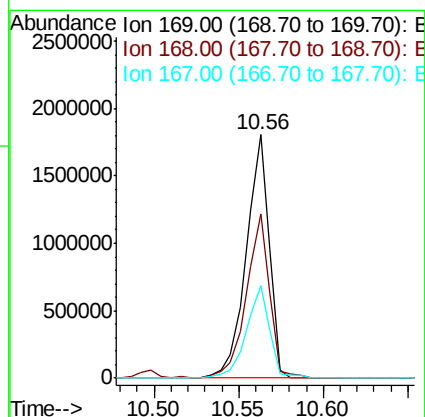
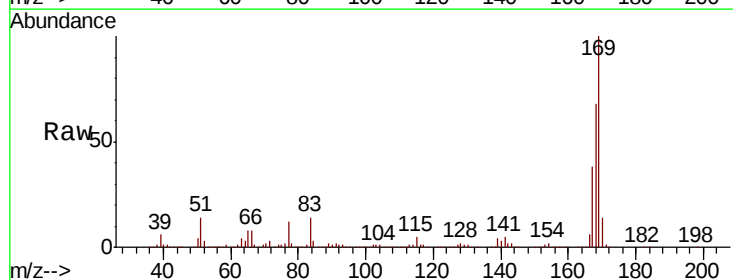
Manual Integrations
 APPROVED

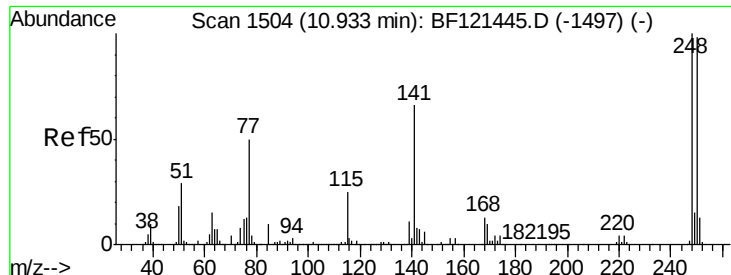
mohammad
 9/2/2020 1:55:56 PM



#66
 n-Nitrosodiphenylamine
 Concen: 42.222 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1711942		
168	67.5	54.0	81.0	
167	38.3	30.2	45.2	





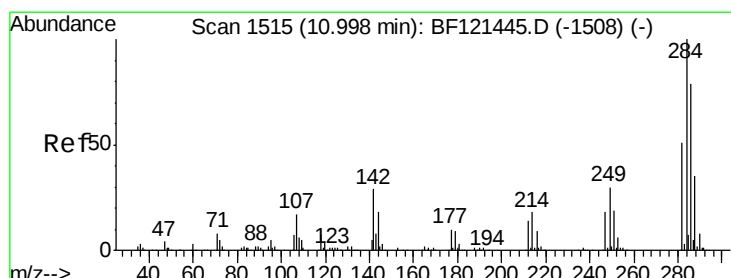
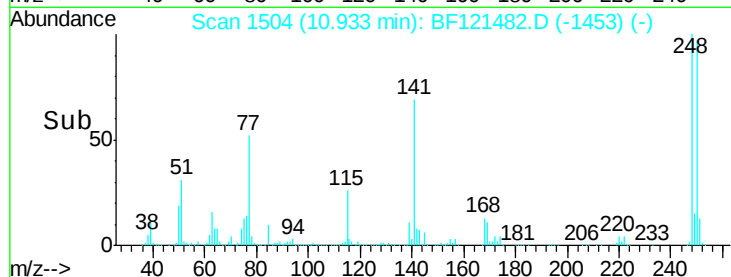
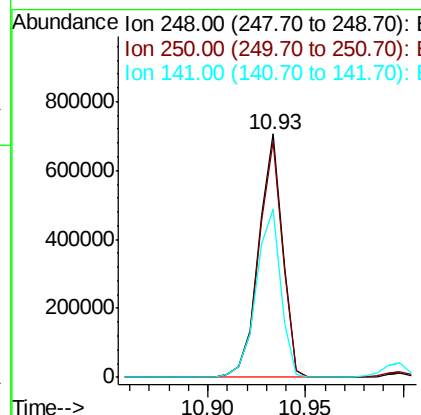
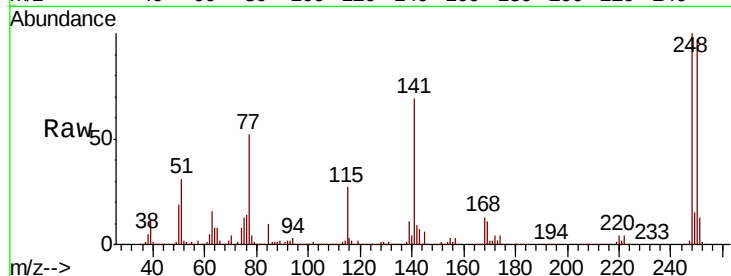
#67
 4-Bromophenyl-phenylether
 Concen: 42.566 ng
 RT: 10.93 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion:	248	Resp:	600304
Ion Ratio	Lower	Upper	
248	100		
250	96.9	78.7	118.1
141	68.9	52.6	78.8

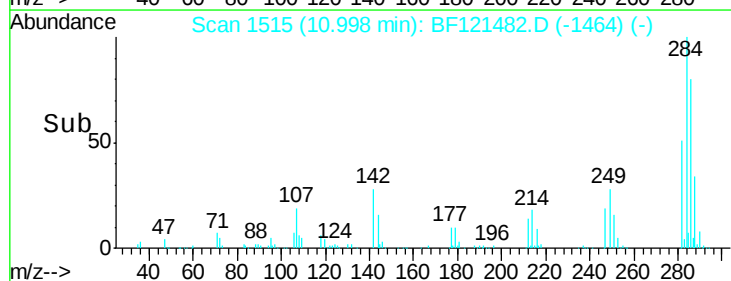
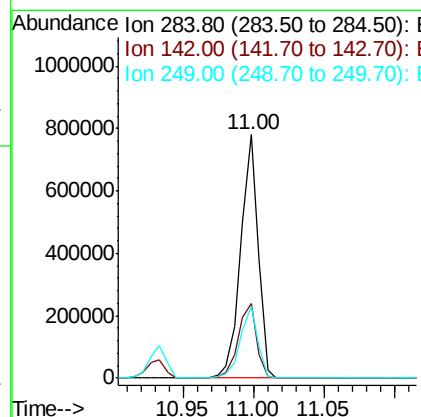
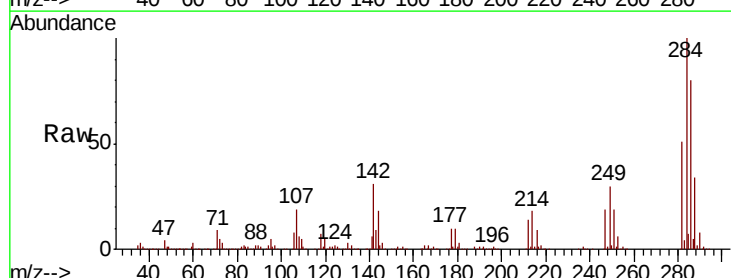
Manual Integrations
 APPROVED

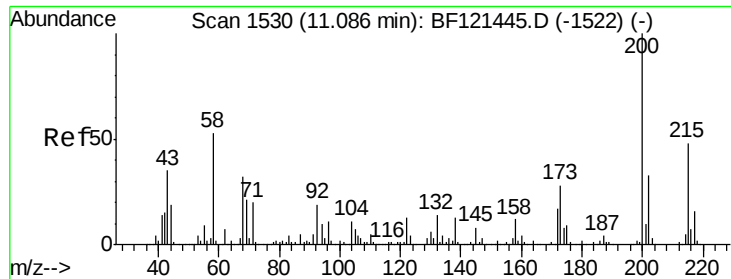
mohammad
 9/2/2020 1:55:56 PM



#68
 Hexachlorobenzene
 Concen: 40.689 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion:	284	Resp:	671026
Ion Ratio	Lower	Upper	
284	100		
142	30.9	23.4	35.0
249	29.6	23.8	35.6





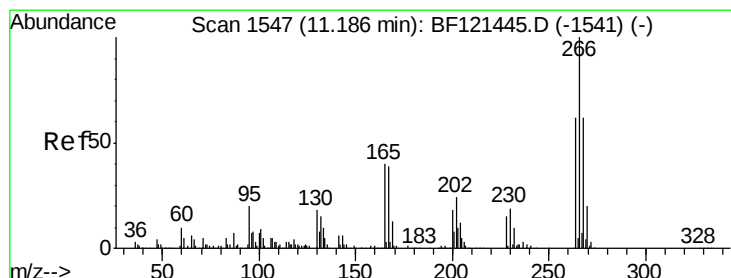
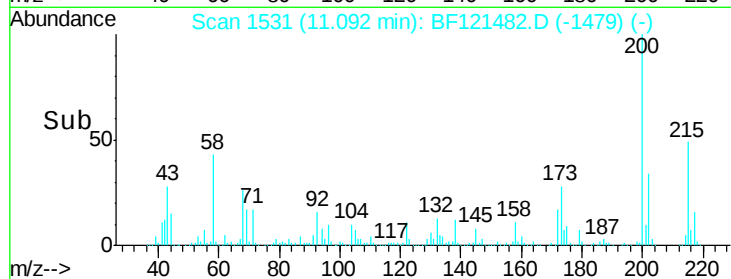
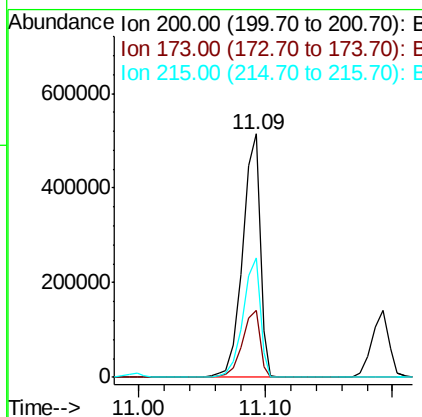
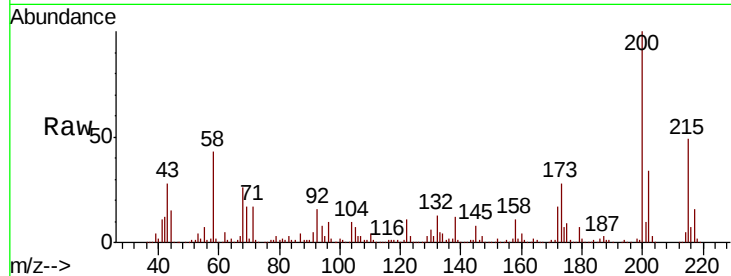
#69
Atrazine
Concen: 41.480 ng
RT: 11.09 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.6	8.1	48.1
215	48.8	28.5	68.5

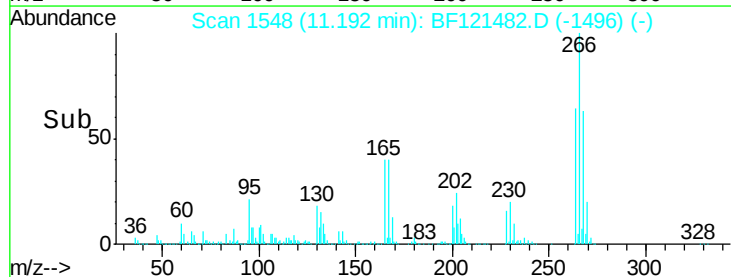
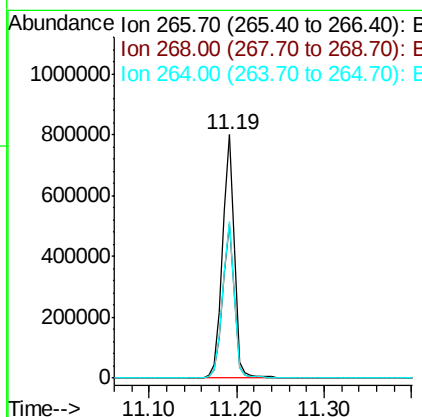
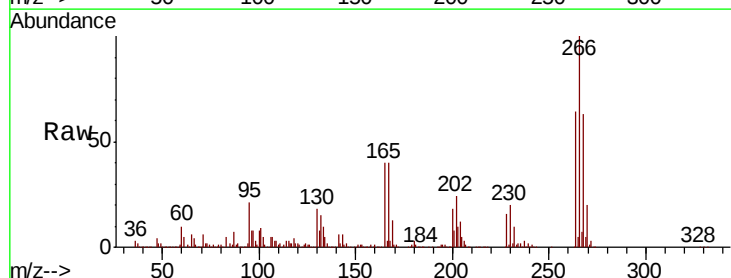
Manual Integrations
APPROVED

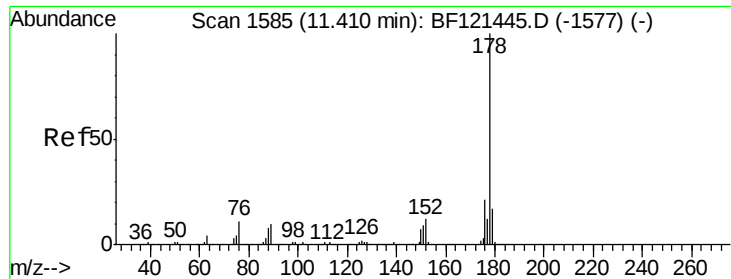
mohammad
9/2/2020 1:55:56 PM



#70
Pentachlorophenol
Concen: 101.715 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.5	49.7	74.5
264	64.4	49.4	74.0





#71

Phenanthrene

Concen: 47.198 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampleId :

12018MSD

Tot Ion:178 Resp: 3105114

Ion Ratio Lower Upper

178 100

176 22.1 16.9 25.3

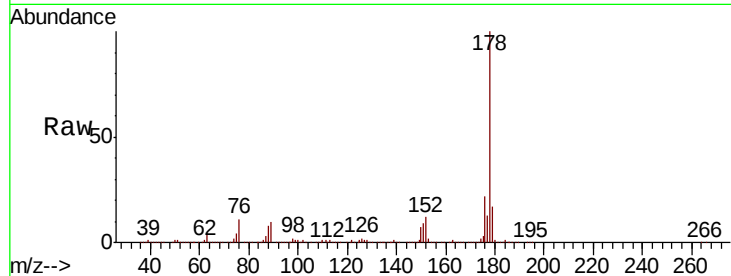
179 17.2 13.4 20.0

Manual Integrations

APPROVED

mohammad

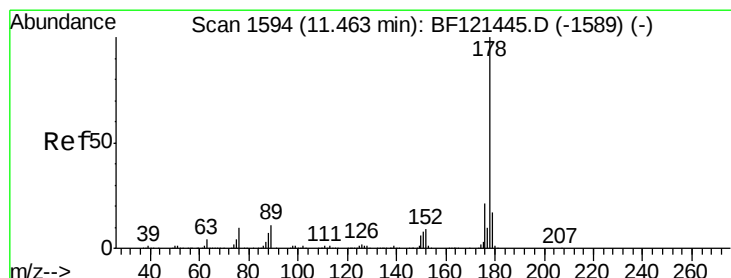
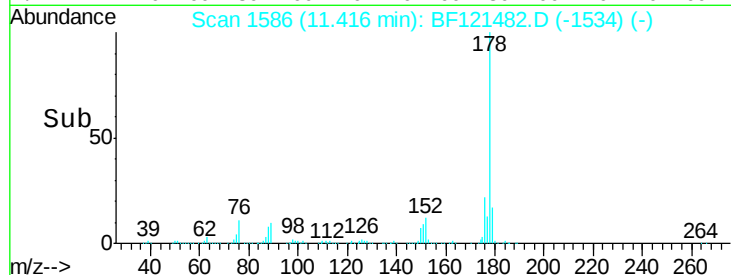
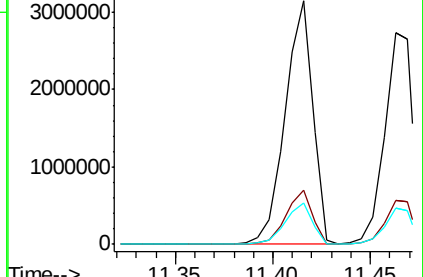
9/2/2020 1:55:56 PM



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: 42.546 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Tgt Ion:178 Resp: 2752937

Ion Ratio Lower Upper

178 100

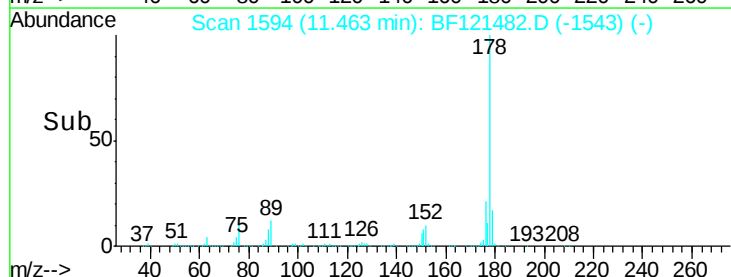
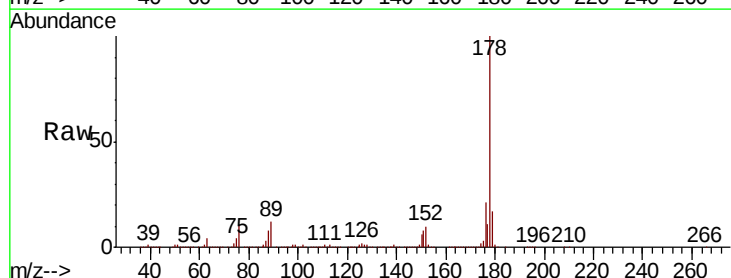
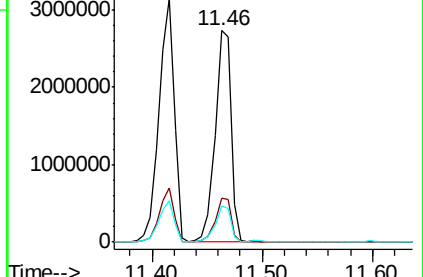
176 20.6 16.7 25.1

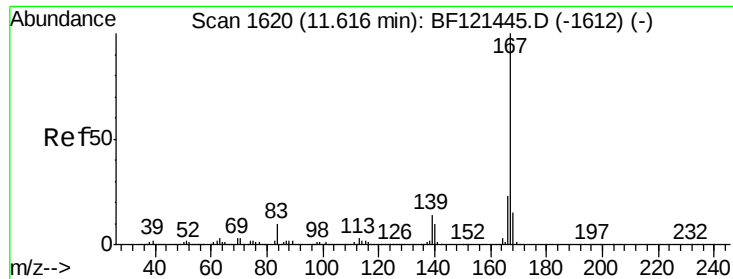
179 16.9 13.4 20.2

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





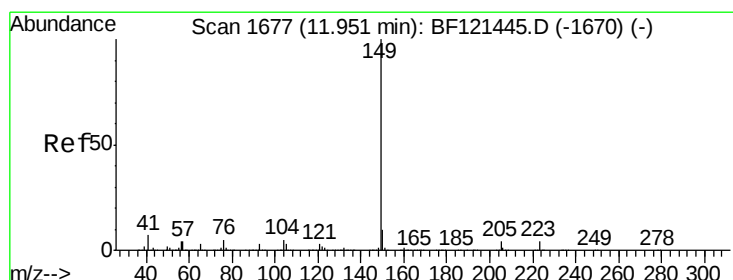
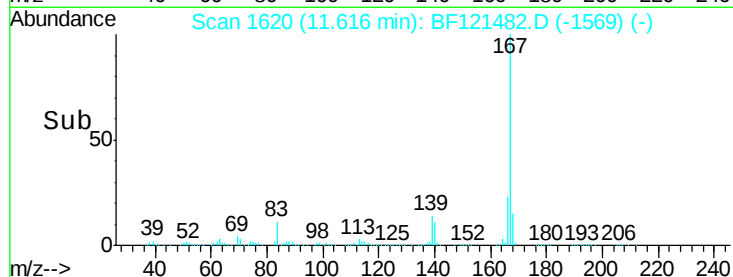
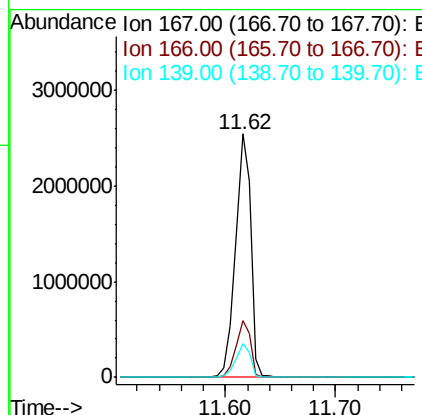
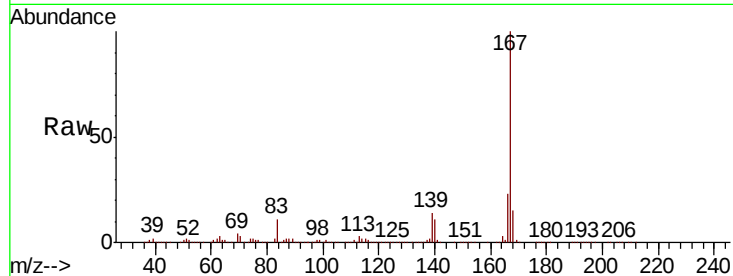
#73
 Carbazole
 Concen: 39.967 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.4	27.6
139	13.9	11.0	16.6

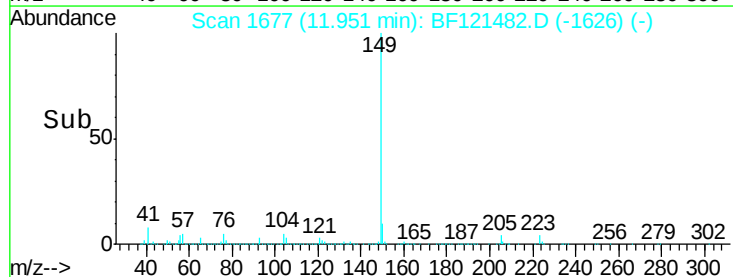
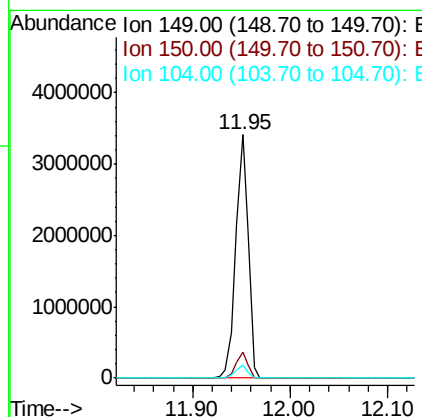
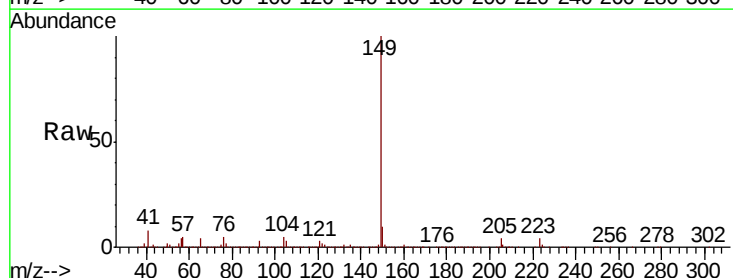
Manual Integrations
 APPROVED

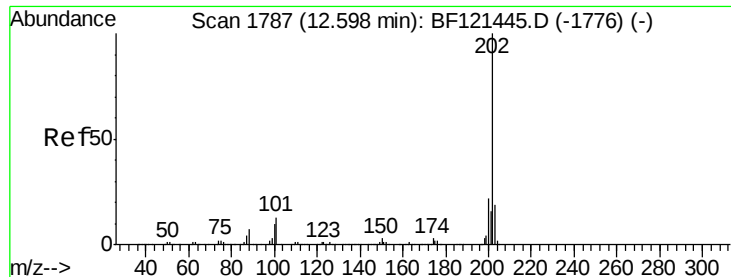
mohammad
 9/2/2020 1:55:56 PM



#74
 Di-n-butylphthalate
 Concen: 43.592 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.5	8.2	12.2
104	5.4	4.2	6.4





#75

Fluoranthene

Concen: 54.463 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampleId :

12018MSD

Tot Ion:202 Resp: 3861563

Ion Ratio Lower Upper

202 100

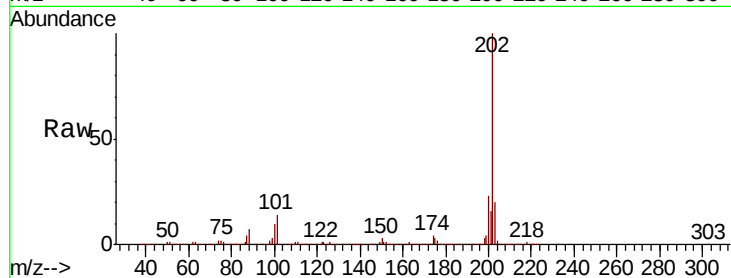
101 14.0 0.0 33.3

203 20.0 0.0 39.1

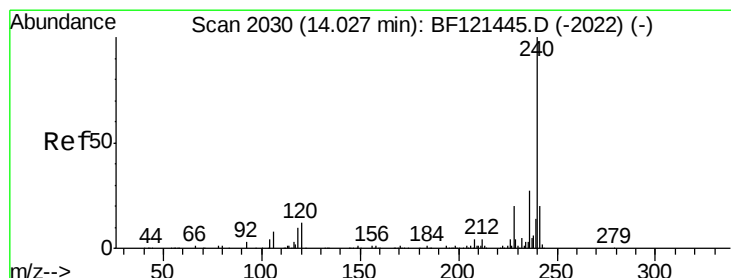
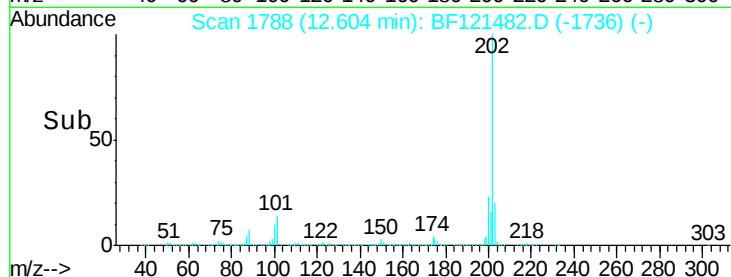
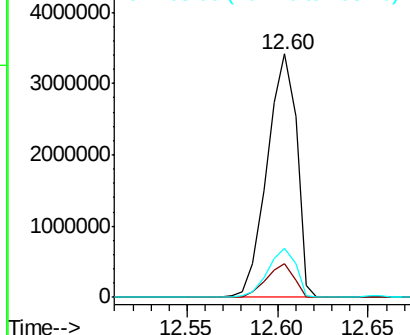
Manual Integrations
APPROVED

mohammad

9/2/2020 1:55:56 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

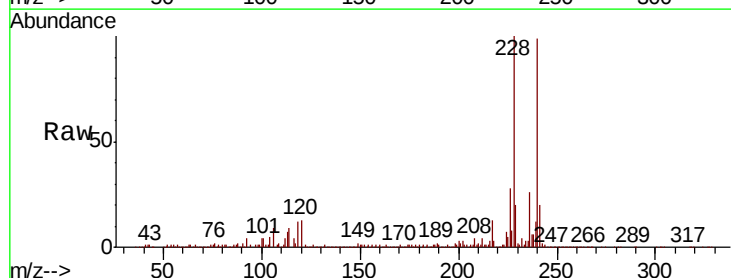
Tgt Ion:240 Resp: 758008

Ion Ratio Lower Upper

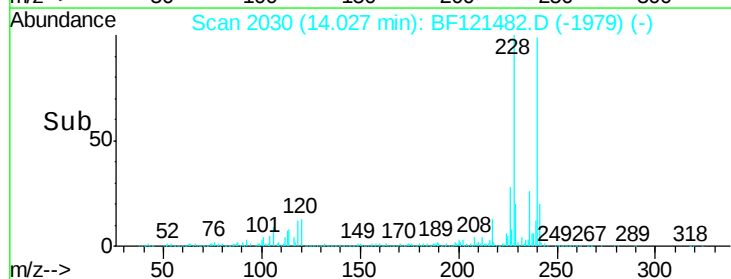
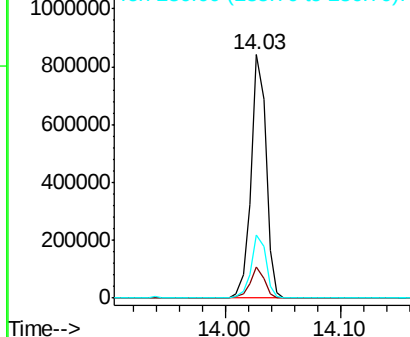
240 100

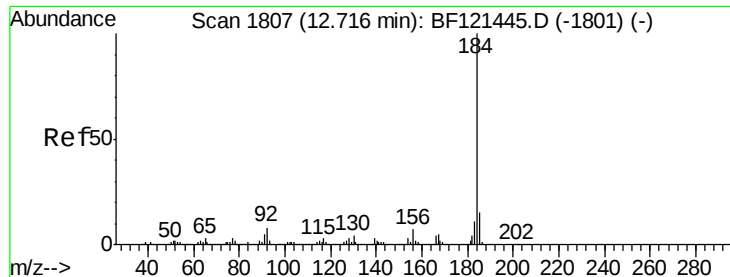
120 12.6 9.5 14.3

236 26.0 21.8 32.6



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





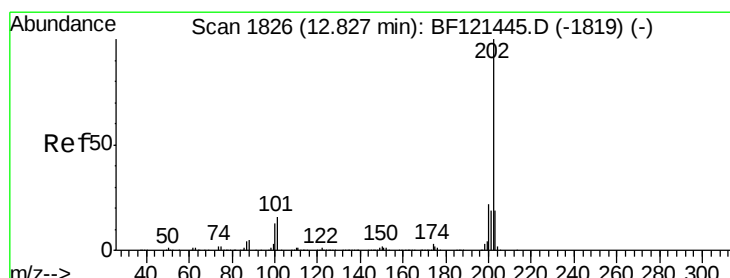
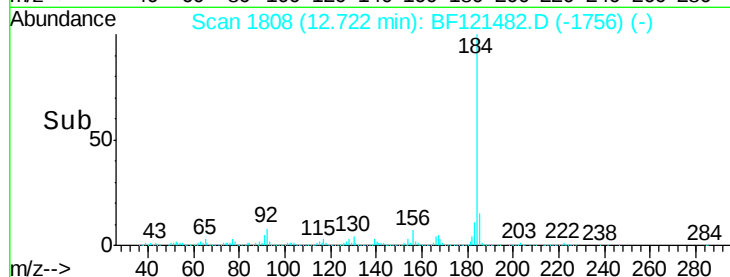
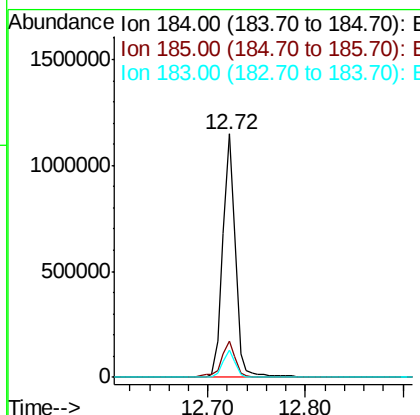
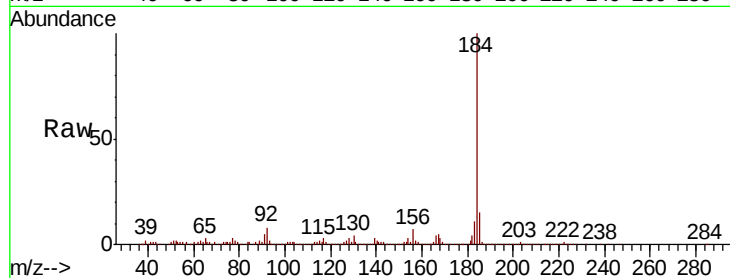
#77
Benzidine
Concen: 63.266 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.1	18.1
183	11.3	8.9	13.3

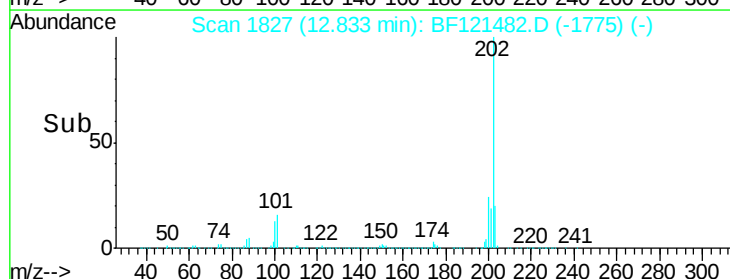
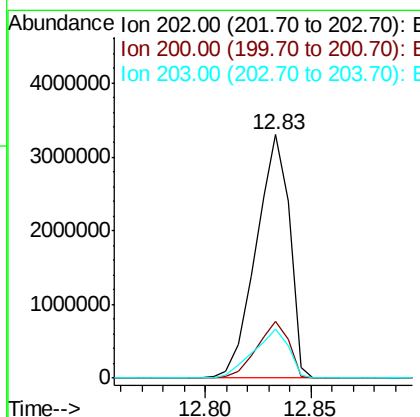
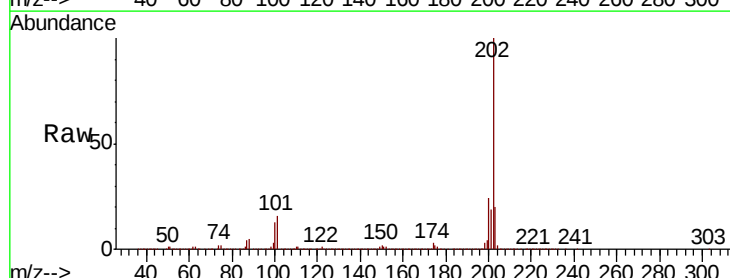
Manual Integrations
APPROVED

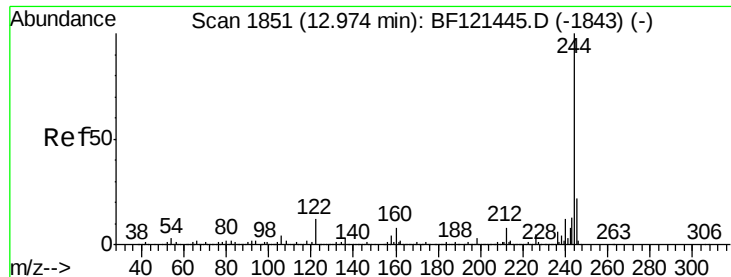
mohammad
9/2/2020 1:55:56 PM



#78
Pyrene
Concen: 67.043 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.5	18.0	27.0
203	20.0	15.3	22.9





#79

Terphenyl-d14

Concen: 90.058 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

ClientSampleId :

12018MSD

Tot Ion:244 Resp: 3243035

Ion Ratio Lower Upper

244 100

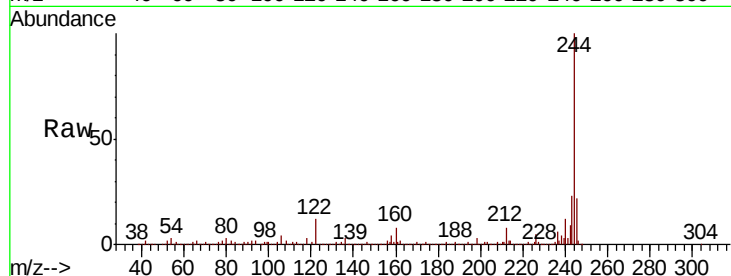
212 8.1 6.3 9.5

122 12.3 9.5 14.3

Manual Integrations
APPROVED

mohammad

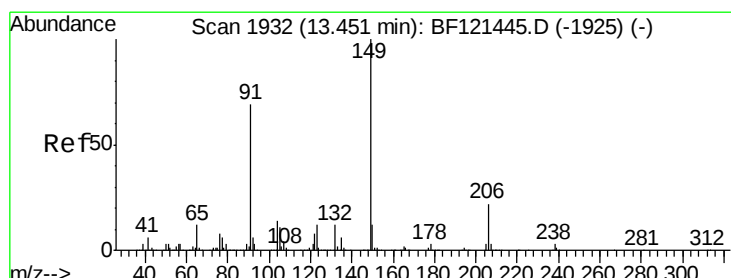
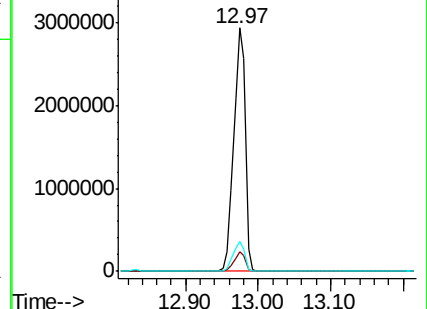
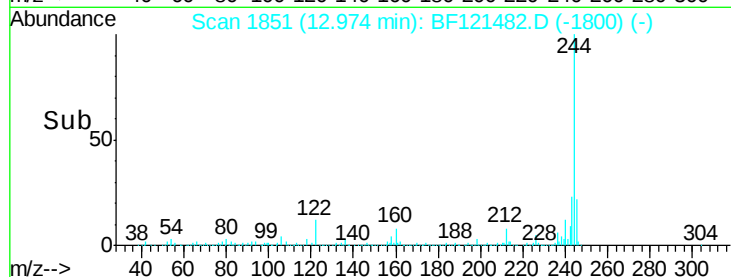
9/2/2020 1:55:56 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 56.434 ng

RT: 13.45 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

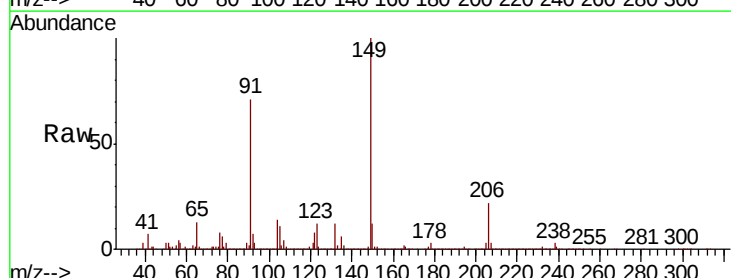
Tgt Ion:149 Resp: 1176981

Ion Ratio Lower Upper

149 100

91 71.1 55.0 82.4

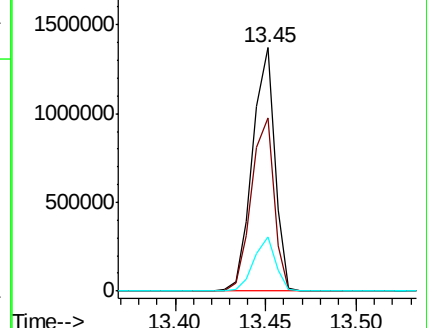
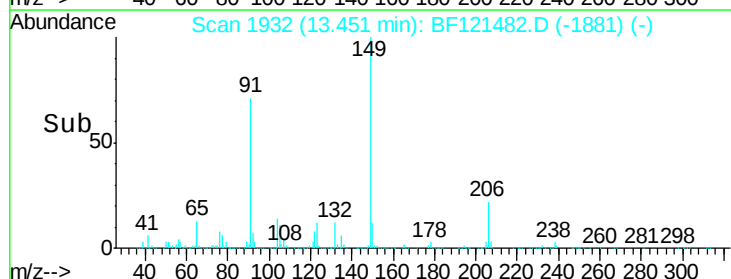
206 22.4 17.8 26.6

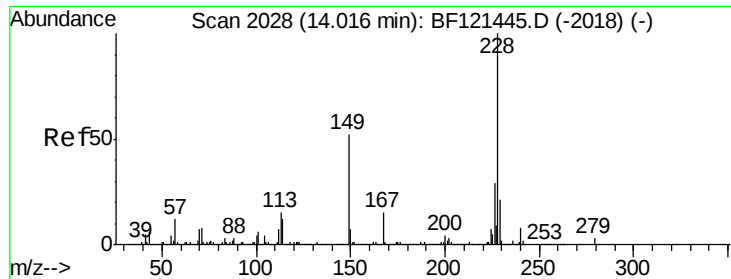


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





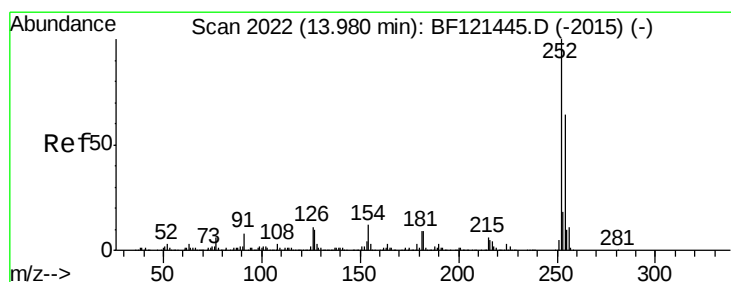
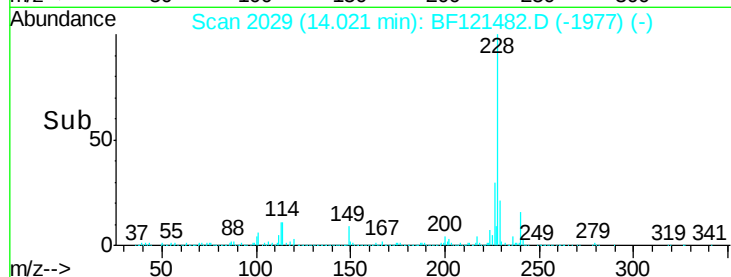
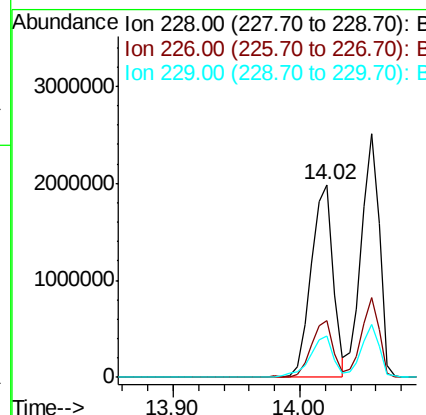
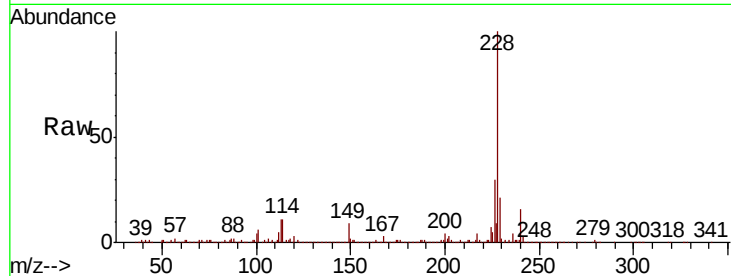
#81
Benzo(a)anthracene
Concen: 51.175 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.4
229	21.2	16.6	24.8

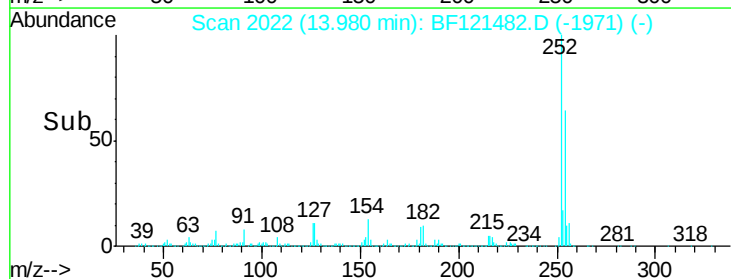
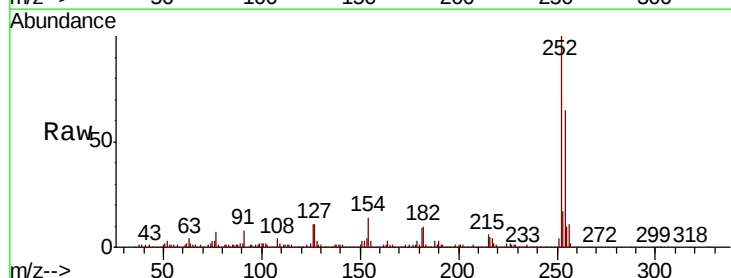
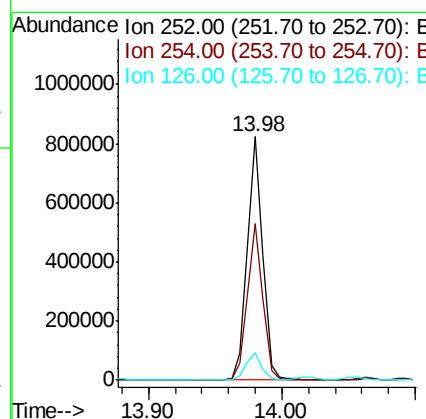
Manual Integrations
APPROVED

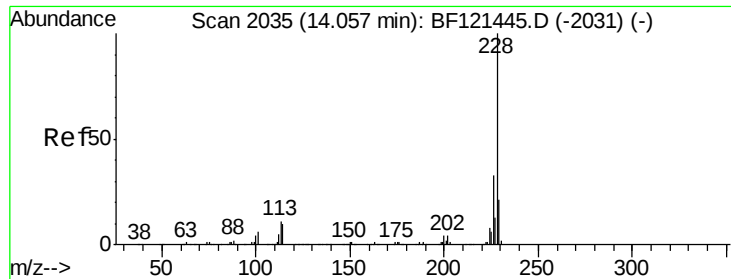
mohammad
9/2/2020 1:55:56 PM



#82
3,3'-Dichlorobenzidine
Concen: 39.331 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.2
126	11.4	8.5	12.7





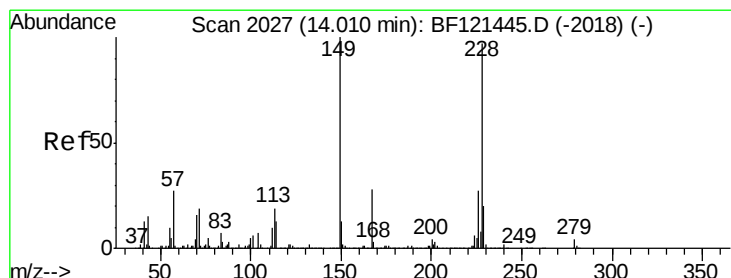
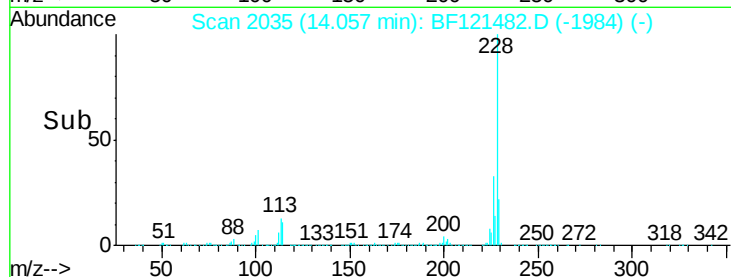
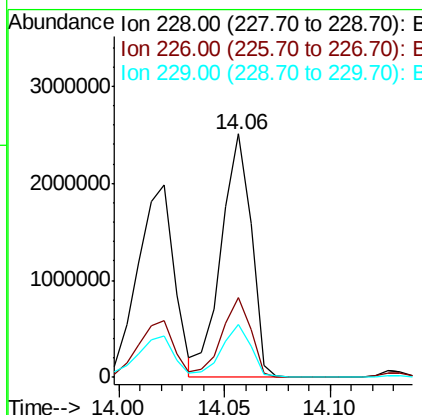
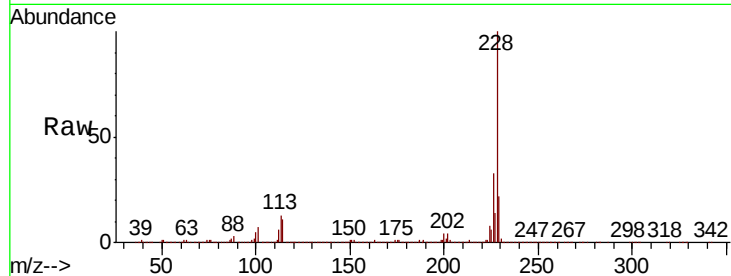
#83
 Chrvsene
 Concen: 52.948 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleId :
 12018MSD

Tot Ion:228 Resp: 2451176
 Ion Ratio Lower Upper
 228 100
 226 32.8 26.2 39.2
 229 21.8 16.6 25.0

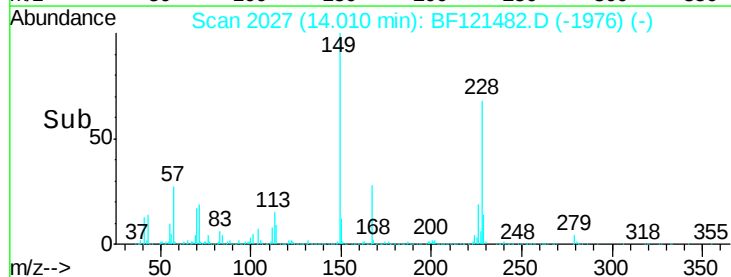
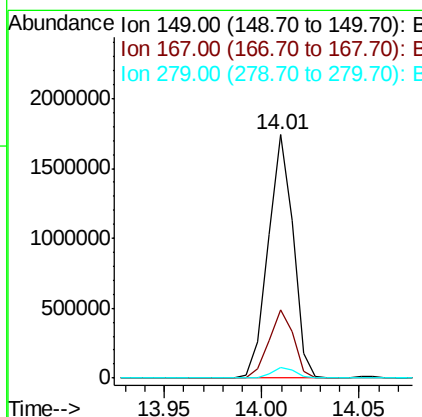
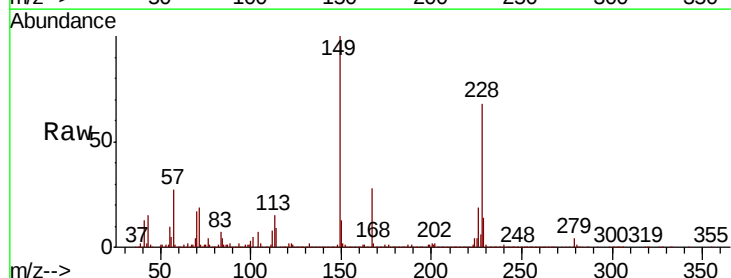
Manual Integrations
 APPROVED

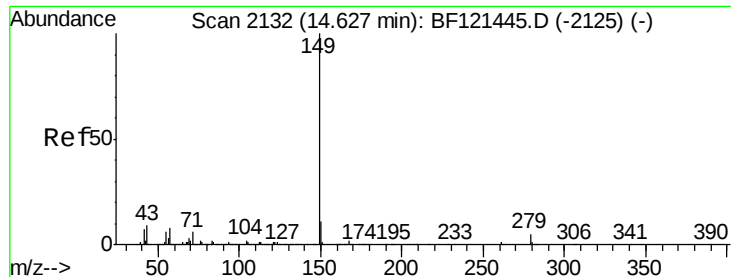
mohammad
 9/2/2020 1:55:56 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 57.171 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion:149 Resp: 1539973
 Ion Ratio Lower Upper
 149 100
 167 28.0 22.6 34.0
 279 4.2 3.3 4.9





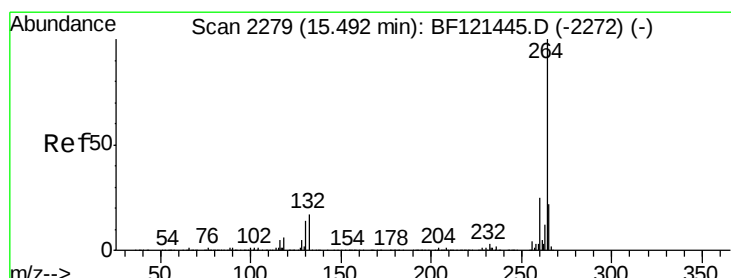
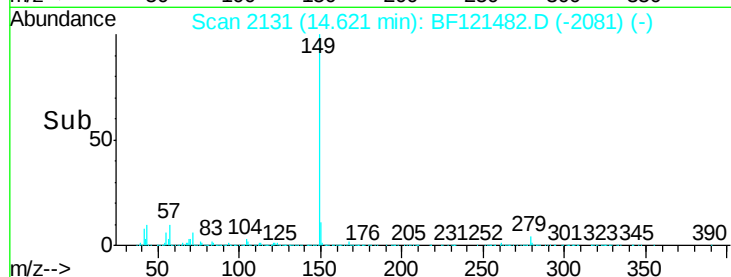
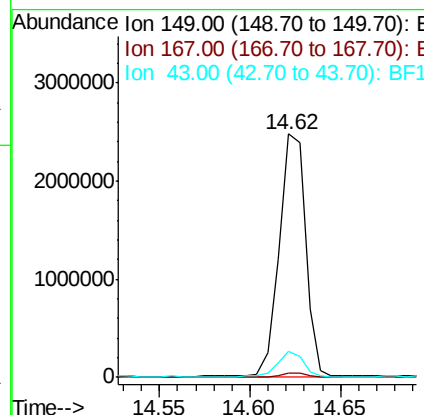
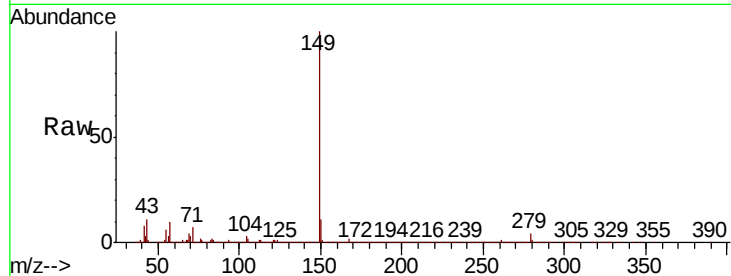
#85
Di-n-octyl phthalate
Concen: 54.998 ng
RT: 14.62 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampleId :
12018MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	9.8	8.3	12.5

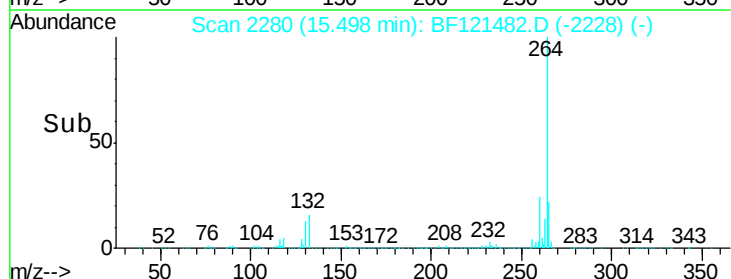
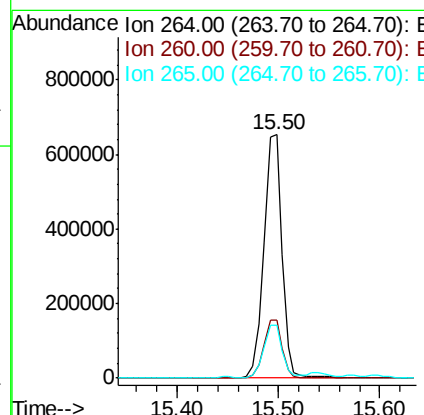
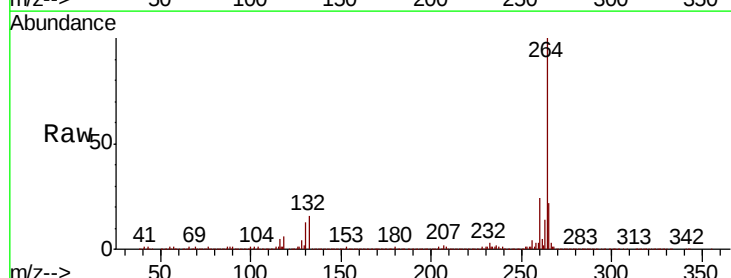
Manual Integrations
APPROVED

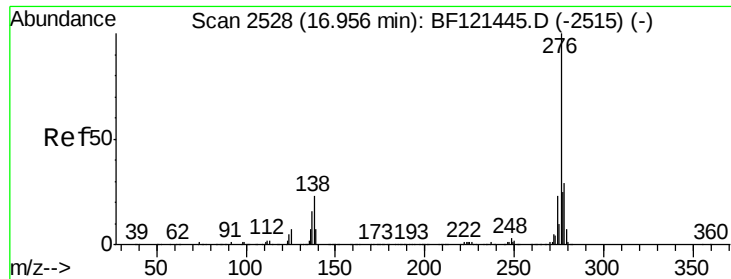
mohammad
9/2/2020 1:55:56 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.8	17.8	26.6





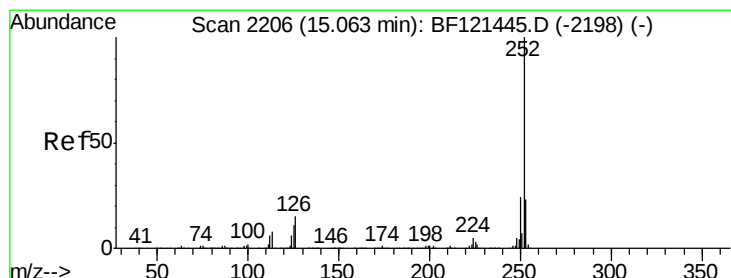
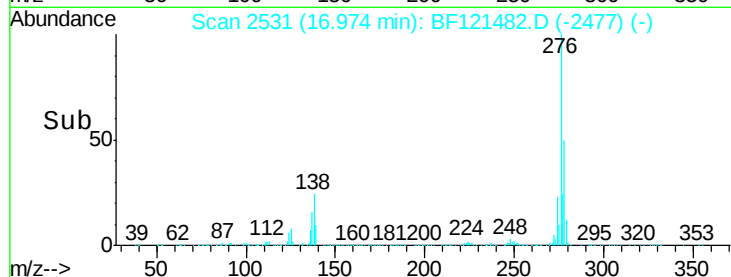
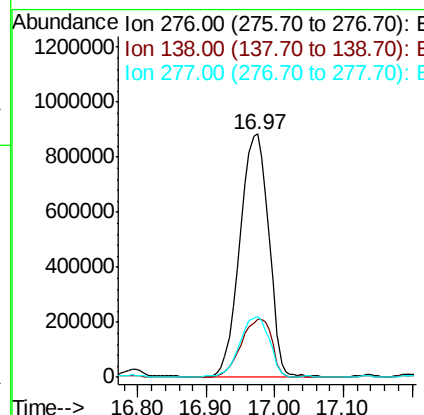
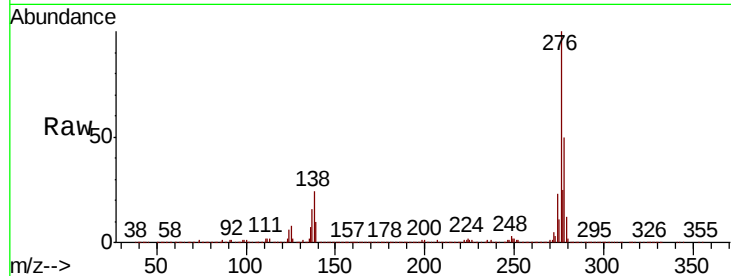
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 51.660 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.02 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Instrument :
 BNA_F
 ClientSampleID :
 12018MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.6	31.0
277	25.0	20.5	30.7

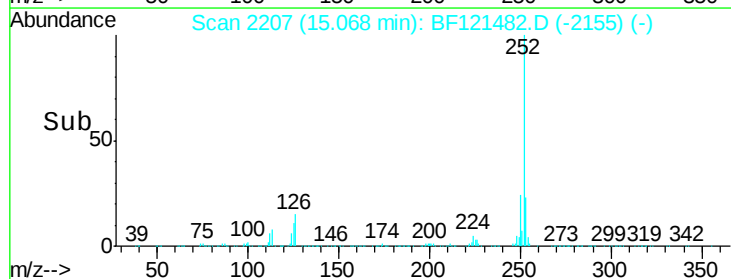
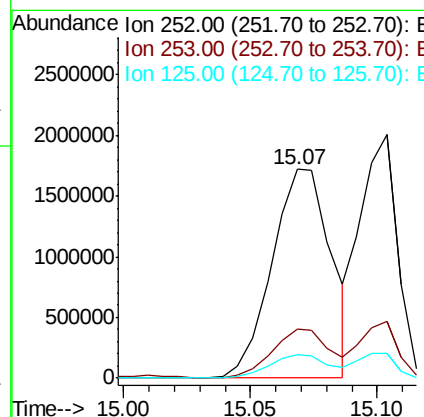
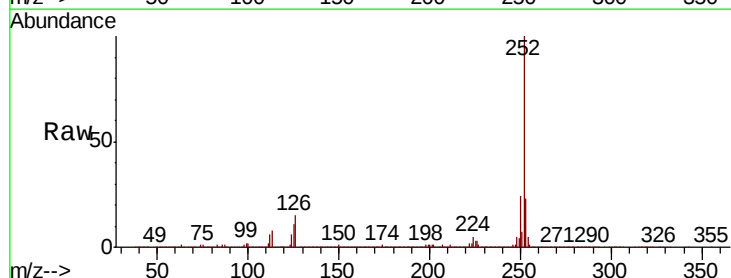
Manual Integrations
 APPROVED

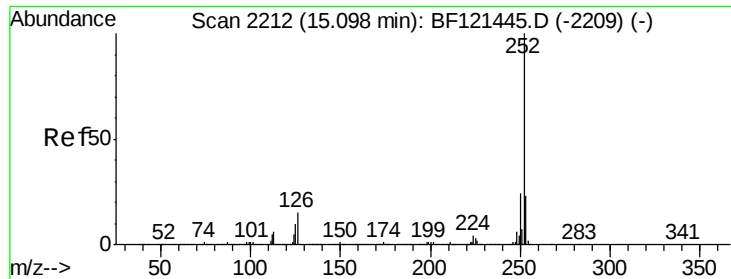
mohammad
 9/2/2020 1:55:56 PM



#88
 Benzo(b)fluoranthene
 Concen: 52.733 ng
 RT: 15.07 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: BF121482.D
 Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	11.3	9.2	13.8





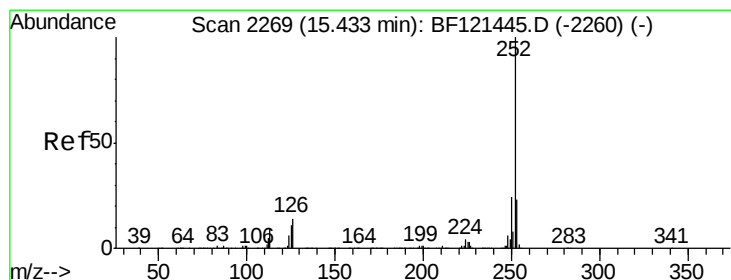
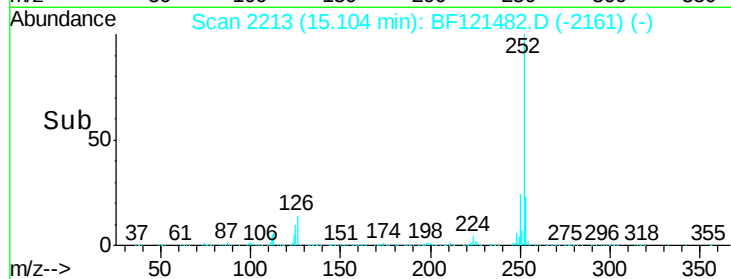
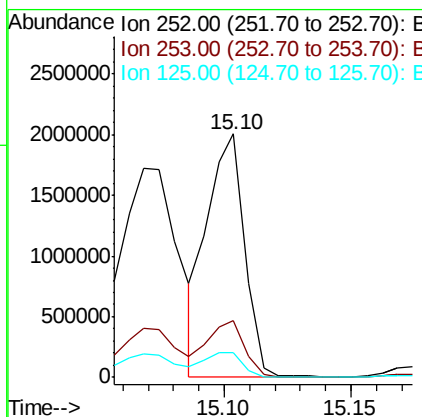
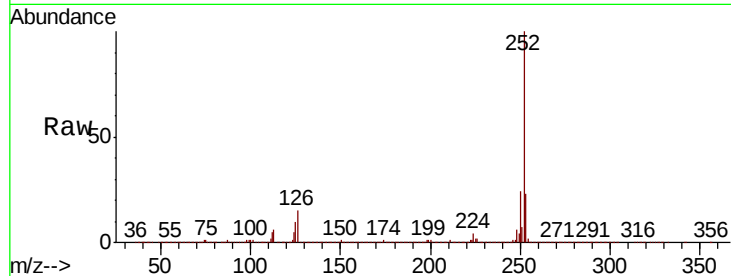
#89
Benzo(k)fluoranthene
Concen: 41.899 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Instrument :
BNA_F
ClientSampled :
12018MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	10.1	8.5	12.7

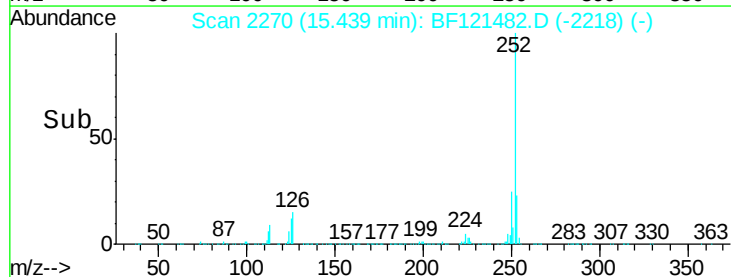
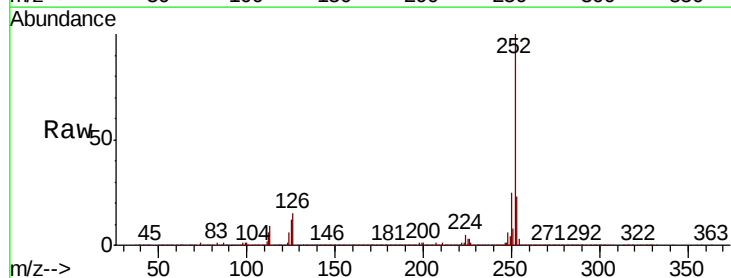
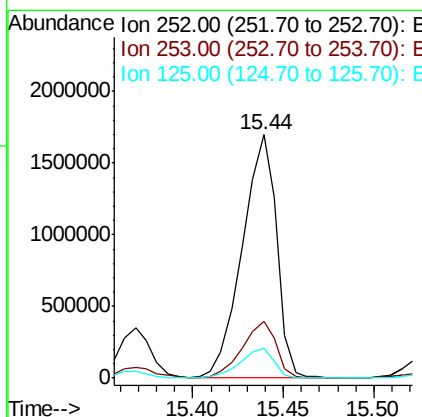
Manual Integrations
APPROVED

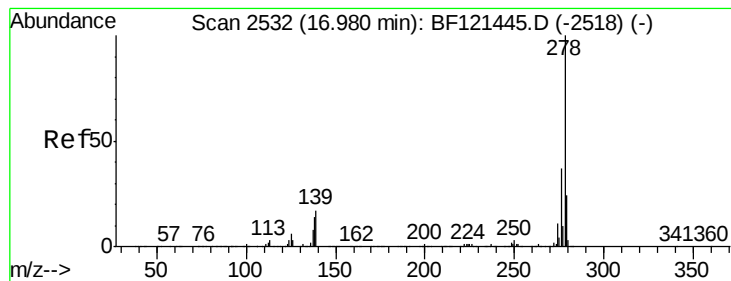
mohammad
9/2/2020 1:55:56 PM



#90
Benzo(a)pyrene
Concen: 46.824 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF121482.D
Acq: 31 Aug 2020 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.1	9.0	13.4





#91

Dibenzo(a,h)anthracene

Concen: 44.717 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.01 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Instrument :

BNA_F

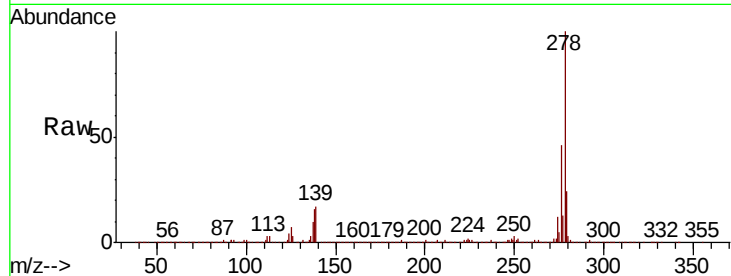
ClientSampleId :

12018MSD

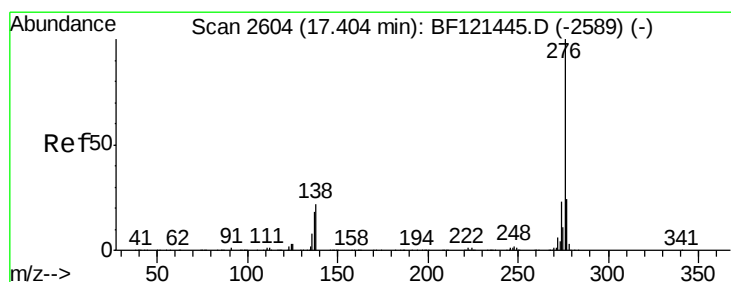
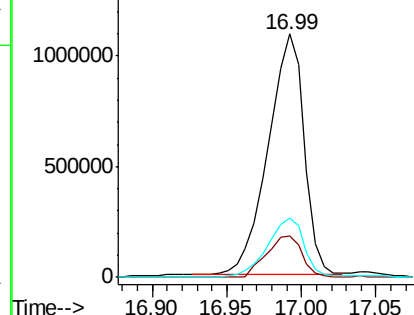
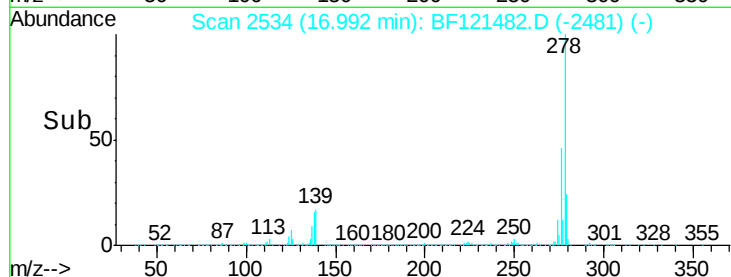
Tot Ion:	278	Resp:	1830567
Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.3	19.9
279	24.4	19.4	29.0

Manual Integrations
APPROVED

mohammad
9/2/2020 1:55:56 PM



Abundance Ion 278.00 (277.70 to 278.70): E
1500000 Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 56.334 ng

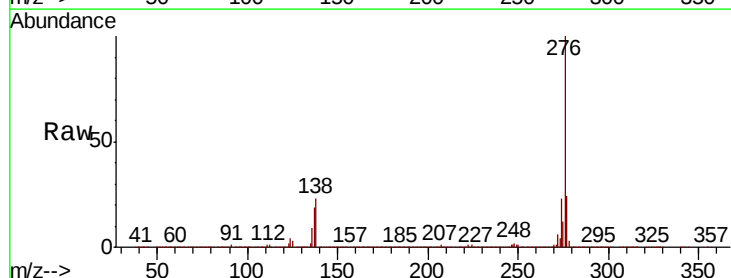
RT: 17.42 min Scan# 2607

Delta R.T. 0.02 min

Lab File: BF121482.D

Acq: 31 Aug 2020 17:30

Tgt Ion:	276	Resp:	2221474
Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	23.2	17.4	26.0



Abundance Ion 276.00 (275.70 to 276.70): E
1200000 Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

