

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071620\
 Data File : BF120893.D
 Acq On : 16 Jul 2020 18:57
 Operator : JU/CG
 Sample : L3187-08MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Manual Integrations
 APPROVED

mohammad
 7/17/2020 12:30:16 PM

Quant Time: Jul 17 02:25:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	159435	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	629949	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	335079	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	661938	20.00	ng	0.00
76) Chrysene-d12	13.97	240	519670	20.00	ng	0.00
86) Perylene-d12	15.42	264	529865	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1015351	104.40	ng	0.02
7) Phenol-d6	6.45	99	1156469	92.05	ng	0.00
23) Nitrobenzene-d5	7.38	82	862543	79.23	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	425316	115.96	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1546427	68.91	ng	0.00
79) Terphenyl-d14	12.92	244	1693880	70.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	188996	42.225	ng	# 85
3) Pyridine	3.39	79	342732	28.784	ng	99
4) n-Nitrosodimethylamine	3.32	42	238967	46.934	ng	100
6) Aniline	6.48	93	234293	14.287	ng	99
8) 2-Chlorophenol	6.60	128	532356	49.688	ng	99
9) Benzaldehyde	6.36	77	73030	8.754	ng	99
10) Phenol	6.46	94	541614	39.192	ng	97
11) bis(2-Chloroethyl)ether	6.55	93	517829	48.893	ng	100
12) 1,3-Dichlorobenzene	6.76	146	526900	45.354	ng	99
13) 1,4-Dichlorobenzene	6.83	146	527993	45.705	ng	98
14) 1,2-Dichlorobenzene	6.99	146	512651	46.909	ng	99
15) Benzyl Alcohol	6.96	79	427492	48.118	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.09	45	715291	46.857	ng	99
17) 2-Methylphenol	7.07	107	414920	43.694	ng	98
18) Hexachloroethane	7.33	117	199630	47.745	ng	95
19) n-Nitroso-di-n-propylamine	7.23	70	337567	47.254	ng	99
20) 3+4-Methylphenols	7.22	107	456333	37.777	ng	90
22) Acetophenone	7.23	105	640236	45.285	ng	99
24) Nitrobenzene	7.40	77	538479	45.891	ng	97
25) Isophorone	7.64	82	1003052	46.164	ng	100
26) 2-Nitrophenol	7.72	139	282300	50.657	ng	99
27) 2,4-Dimethylphenol	7.75	122	449303	49.657	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	642614	48.451	ng	100
29) 2,4-Dichlorophenol	7.96	162	443446	47.962	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	470929	45.909	ng	99
31) Naphthalene	8.12	128	1485304	45.966	ng	100
32) Benzoic acid	7.87	122	328355	48.344	ng	99
33) 4-Chloroaniline	8.17	127	141786	9.836	ng	98
34) Hexachlorobutadiene	8.24	225	268502	44.402	ng	98
35) Caprolactam	8.54	113	111555m	37.624	ng	
36) 4-Chloro-3-methylphenol	8.65	107	470640	49.633	ng	99
37) 2-Methylnaphthalene	8.81	142	1020921	48.659	ng	99
38) 1-Methylnaphthalene	8.91	142	970164	48.822	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	427184	43.756	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071620\
 Data File : BF120893.D
 Acq On : 16 Jul 2020 18:57
 Operator : JU/CG
 Sample : L3187-08MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

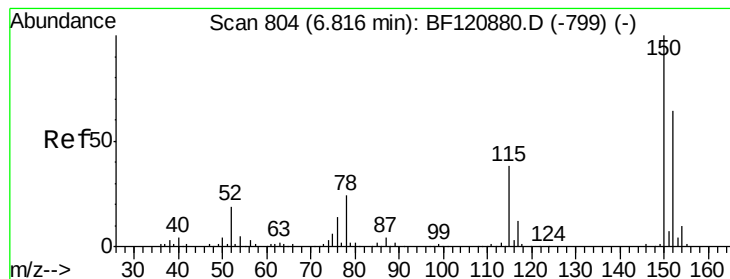
Manual Integrations
 APPROVED

mohammad
 7/17/2020 12:30:16 PM

Quant Time: Jul 17 02:25:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	478066	88.602	nq	98
43) 2,4,6-Trichlorophenol	9.09	196	336030	48.885	nq	99
44) 2,4,5-Trichlorophenol	9.13	196	359472	46.102	nq	99
46) 1,1'-Biphenyl	9.27	154	1201543	47.009	nq	100
47) 2-Chloronaphthalene	9.30	162	949767	45.576	nq	99
48) 2-Nitroaniline	9.39	65	302259	47.995	nq	99
49) Acenaphthylene	9.72	152	1524365	47.086	nq	100
50) Dimethylphthalate	9.58	163	1167558	48.298	nq	99
51) 2,6-Dinitrotoluene	9.64	165	263757	50.786	nq	92
52) Acenaphthene	9.89	154	1064891m	51.738	nq	
53) 3-Nitroaniline	9.80	138	139649	21.439	nq	98
54) 2,4-Dinitrophenol	9.91	184	292292	96.258	nq	91
55) Dibenzofuran	10.06	168	1368999	45.995	nq	99
56) 4-Nitrophenol	9.97	139	424584	85.811	nq	98
57) 2,4-Dinitrotoluene	10.04	165	359486	52.709	nq	# 90
58) Fluorene	10.40	166	982937	44.279	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.17	232	302679	50.985	nq	99
60) Diethylphthalate	10.28	149	1178475	48.197	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	472640	39.918	nq	99
62) 4-Nitroaniline	10.42	138	267902	42.223	nq	98
63) Azobenzene	10.56	77	1103997	47.427	nq	99
65) 4,6-Dinitro-2-methylphenol	10.45	198	195954	50.897	nq	91
66) n-Nitrosodiphenylamine	10.52	169	973077	46.730	nq	99
67) 4-Bromophenyl-phenylether	10.89	248	337072	45.673	nq	92
68) Hexachlorobenzene	10.95	284	375713	47.062	nq	# 92
69) Atrazine	11.05	200	279506	54.199	nq	99
70) Pentachlorophenol	11.15	266	444579	97.207	nq	99
71) Phenanthrene	11.36	178	1546484	45.426	nq	99
72) Anthracene	11.42	178	1605680	46.971	nq	99
73) Carbazole	11.57	167	1514134	44.632	nq	99
74) Di-n-butylphthalate	11.90	149	1799403	45.962	nq	100
75) Fluoranthene	12.55	202	1740902	46.135	nq	98
77) Benzidine	12.67	184	52207	3.821	nq	99
78) Pyrene	12.78	202	1772582	48.246	nq	99
80) Butylbenzylphthalate	13.40	149	821282	50.144	nq	98
81) Benzo(a)anthracene	13.97	228	1377335	43.769	nq	100
82) 3,3'-Dichlorobenzidine	13.93	252	344933	29.054	nq	99
83) Chrysene	14.00	228	1576545	47.673	nq	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	913198	45.215	nq	100
85) Di-n-octyl phthalate	14.57	149	1921815	47.828	nq	99
87) Indeno(1,2,3-cd)pyrene	16.85	276	1608220	43.642	nq	100
88) Benzo(b)fluoranthene	15.00	252	1734008	54.140	nq	100
89) Benzo(k)fluoranthene	15.04	252	1412174	48.346	nq	99
90) Benzo(a)pyrene	15.36	252	1426853	48.829	nq	99
91) Dibenzo(a,h)anthracene	16.87	278	1352141	44.920	nq	99
92) Benzo(g,h,i)perylene	17.29	276	1280859	43.156	nq	99

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



#1

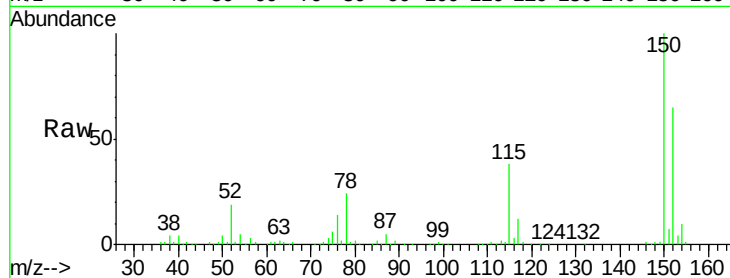
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

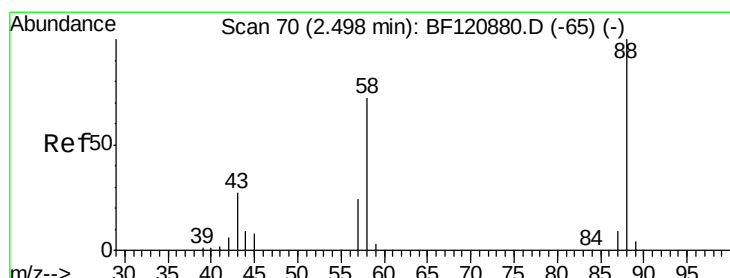
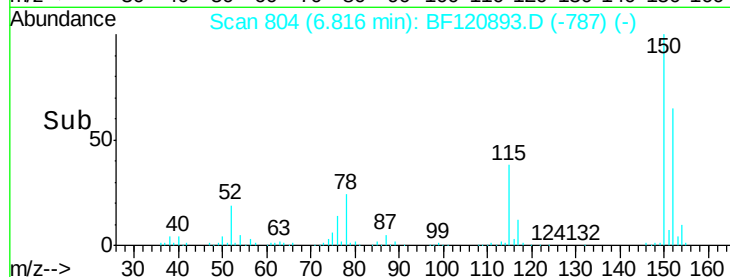
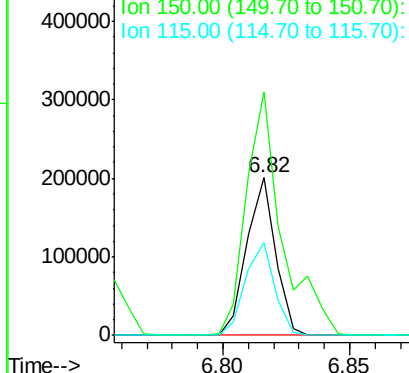
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.0	187.6
115	58.5	47.0	70.4

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



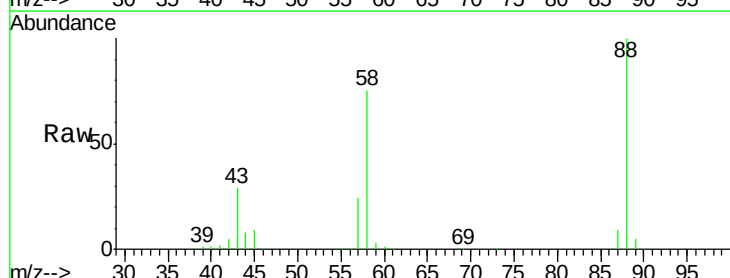
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



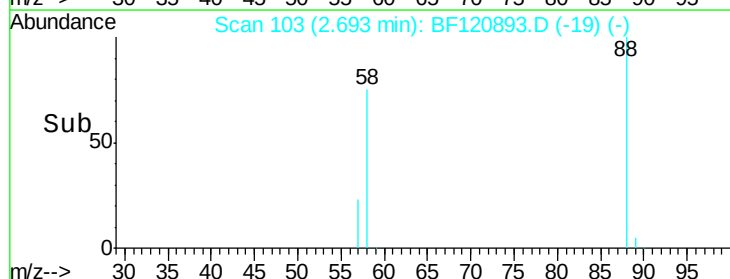
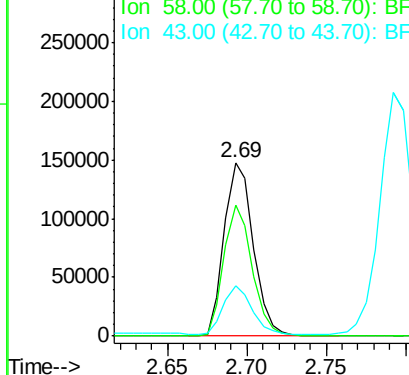
#2

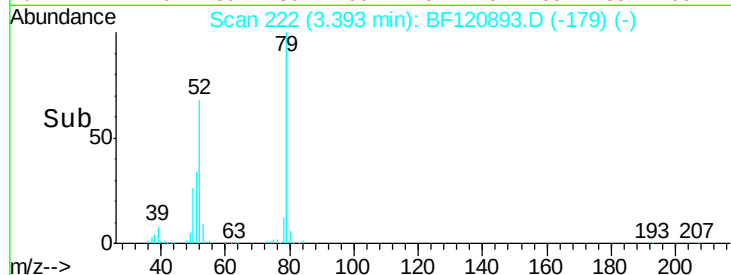
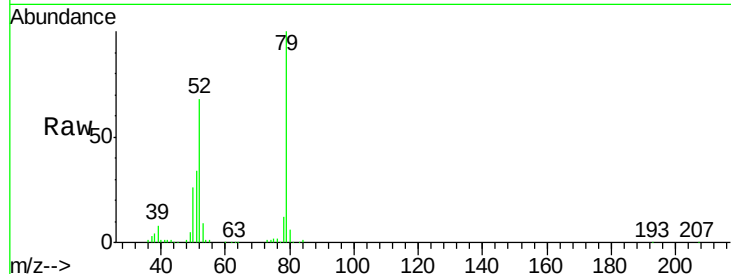
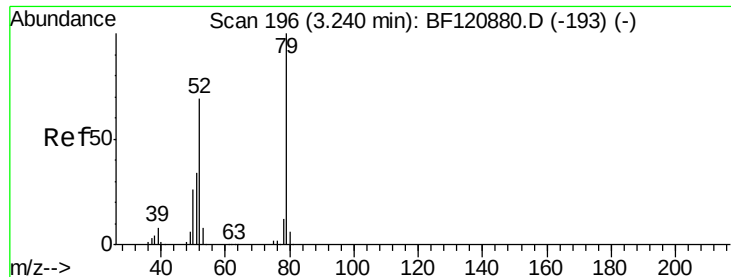
1,4-Dioxane
Concen: 42.225 ng
RT: 2.69 min Scan# 103
Delta R.T. 0.19 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.2	58.2	87.2
43	0.0	22.1	33.1



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





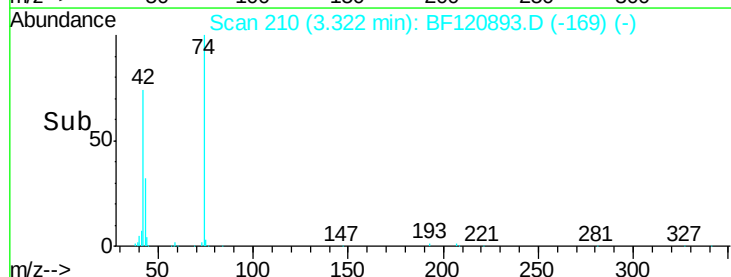
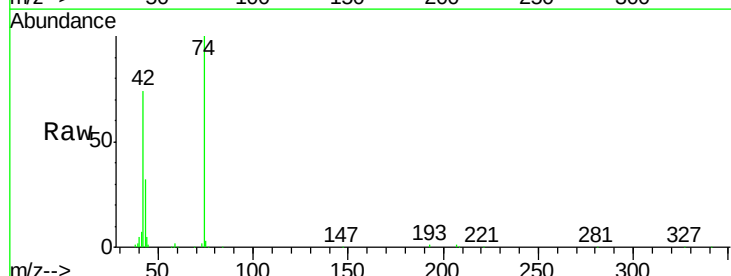
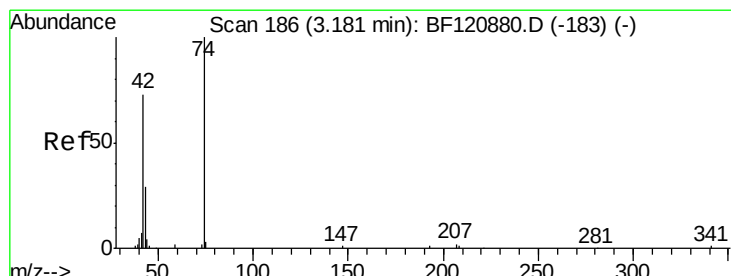
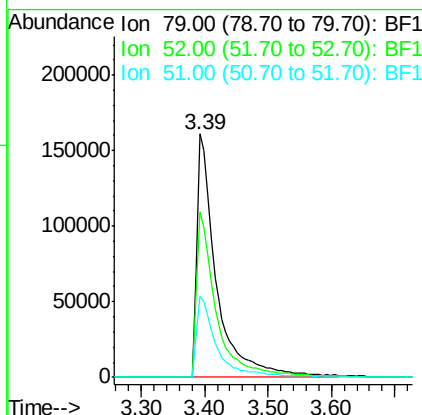
#3
 Pvridine
 Concen: 28.784 ng
 RT: 3.39 min Scan# 222
 Delta R.T. 0.15 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tot Ion	Ratio	Lower	Upper
79	100		
52	67.9	55.0	82.6
51	33.5	26.9	40.3

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

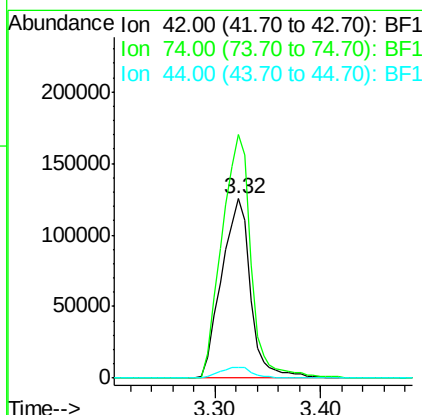
Manual Integrations
 APPROVED

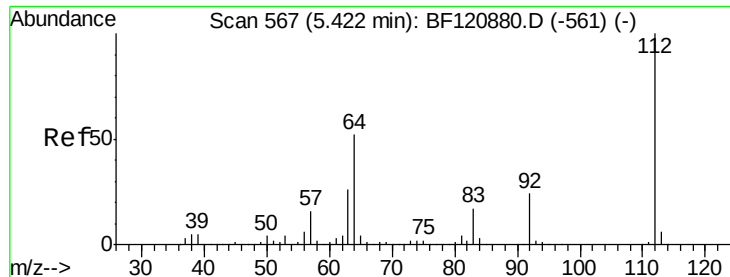
mohammad
 7/17/2020 12:30:16 PM



#4
 n-Nitrosodimethylamine
 Concen: 46.934 ng
 RT: 3.32 min Scan# 210
 Delta R.T. 0.14 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
42	100		
74	136.0	108.7	163.1
44	6.2	5.2	7.8





#5

2-Fluorophenol

Concen: 104.401 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

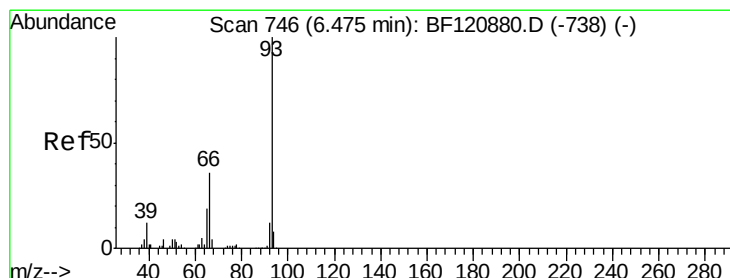
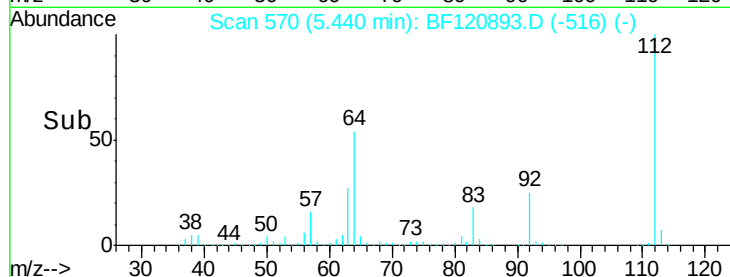
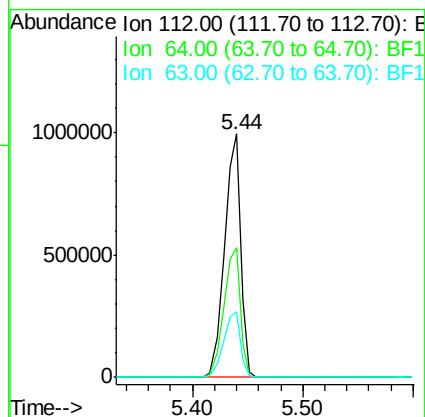
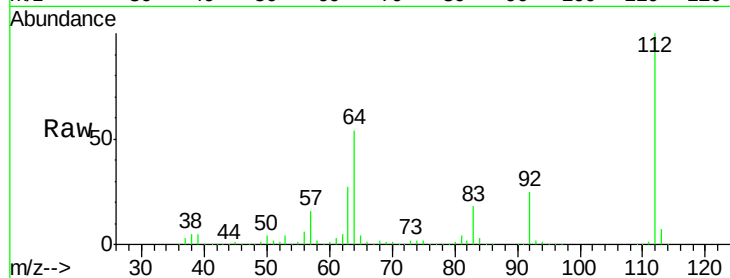
ClientSampleId :

SU-03-071420MSD

Tot Ion:	112	Resp:	1015351
Ion Ratio	Lower	Upper	
112	100		
64	53.5	41.3	61.9
63	27.1	21.1	31.7

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



#6

Aniline

Concen: 14.287 ng

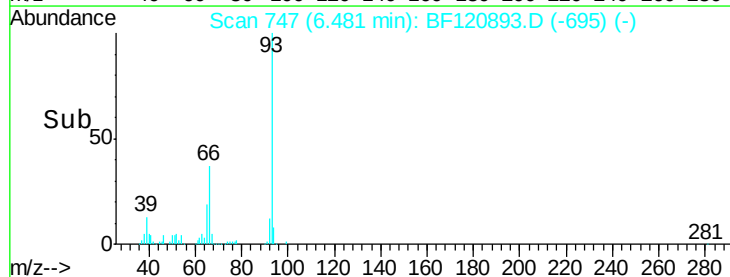
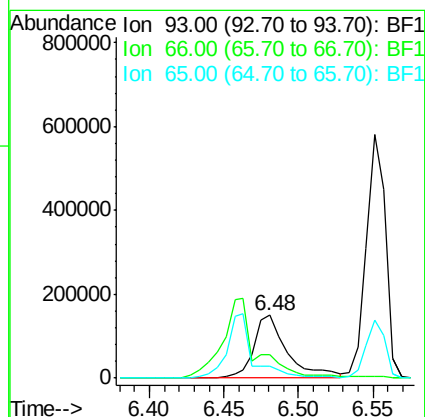
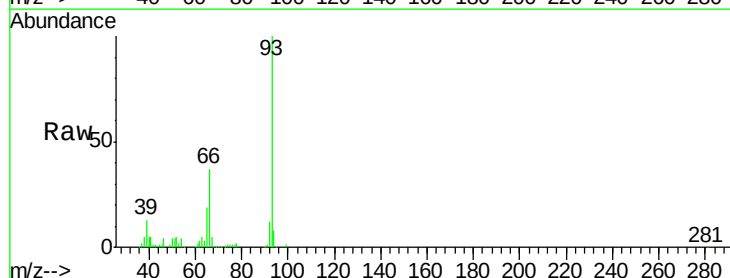
RT: 6.48 min Scan# 747

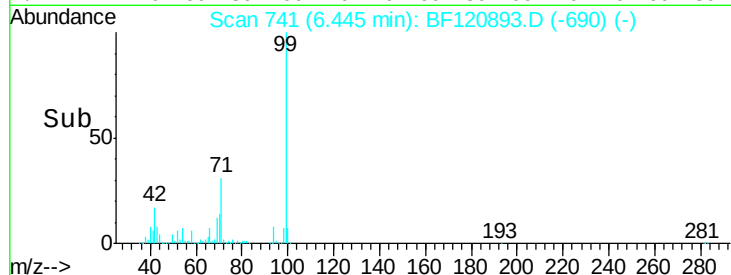
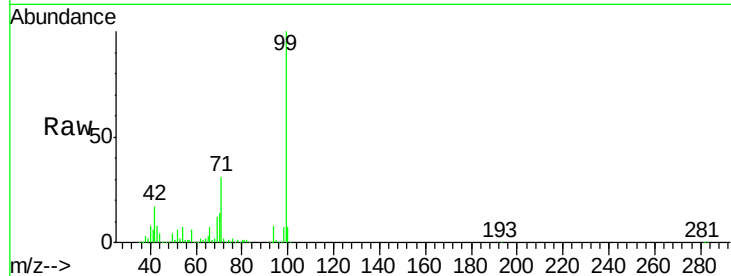
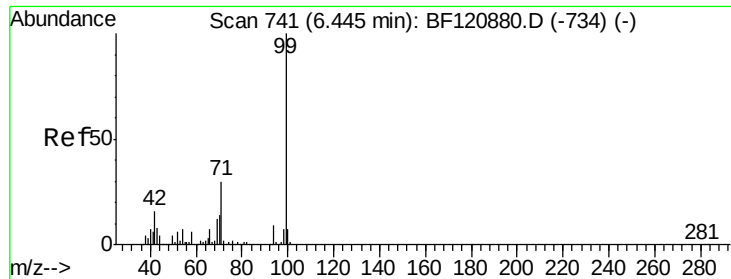
Delta R.T. 0.01 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Tgt Ion:	93	Resp:	234293
Ion Ratio	Lower	Upper	
93	100		
66	37.5	30.2	45.4
65	18.9	15.8	23.6





#7

Phenol-d6

Concen: 92.055 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Tot Ion:	99	Resp:	1156469
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.1	19.7
71	31.0	24.2	36.4

Instrument :

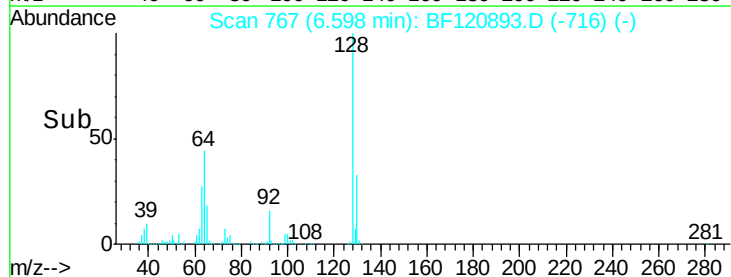
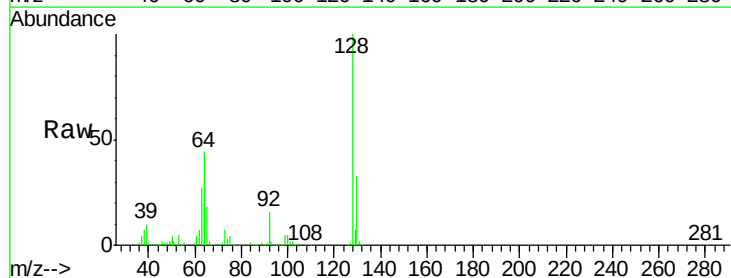
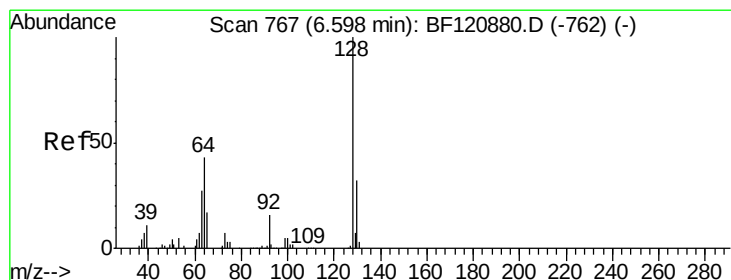
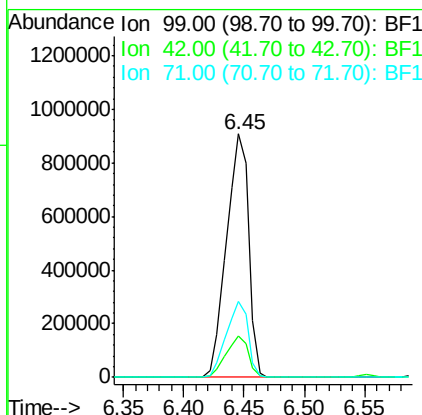
BNA_F

ClientSampleId :

SU-03-071420MSD

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



#8

2-Chlorophenol

Concen: 49.688 ng

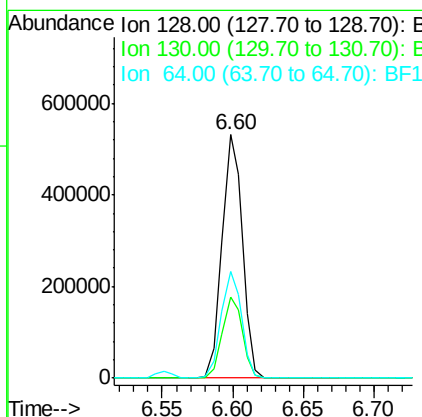
RT: 6.60 min Scan# 767

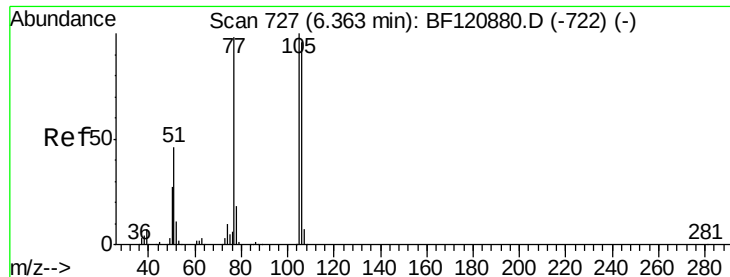
Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Tgt Ion:	128	Resp:	532356
Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.1	52.1
64	44.0	24.0	64.0





#9

Benzaldehyde

Concen: 8.754 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

SU-03-071420MSD

Tot Ion: 77 Resp: 73030

Ion Ratio Lower Upper

77 100

105 101.5 82.5 122.5

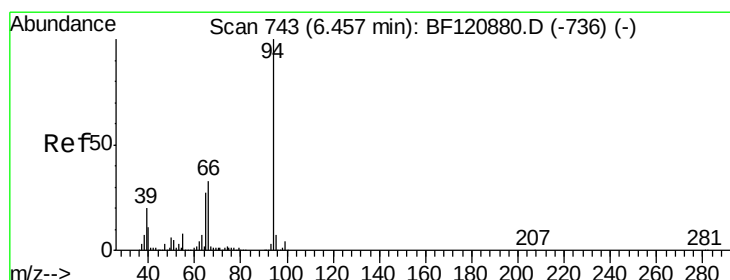
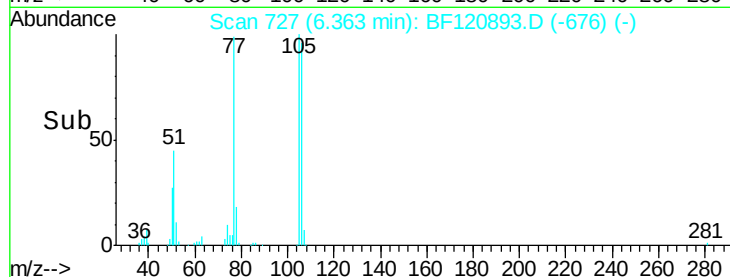
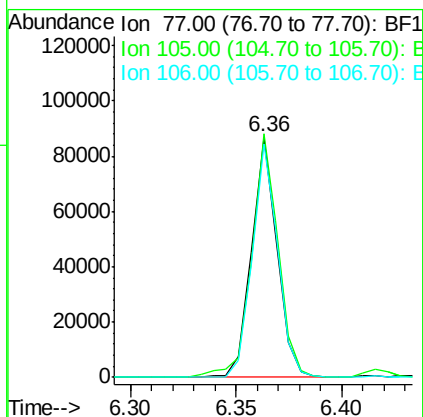
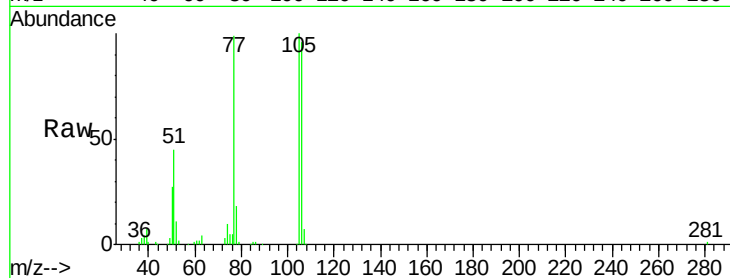
106 97.1 78.7 118.7

Manual Integrations

APPROVED

mohammad

7/17/2020 12:30:16 PM



#10

Phenol

Concen: 39.192 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

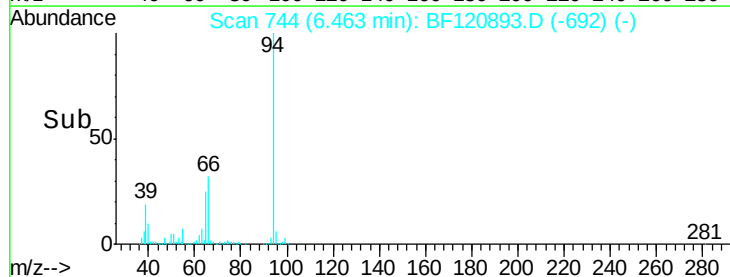
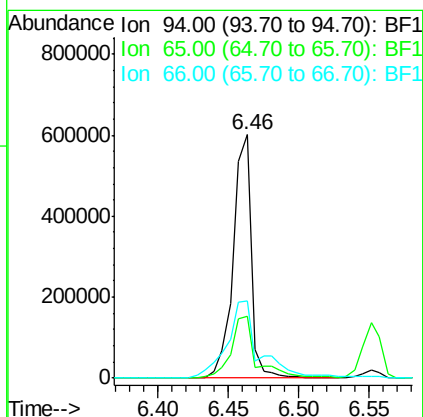
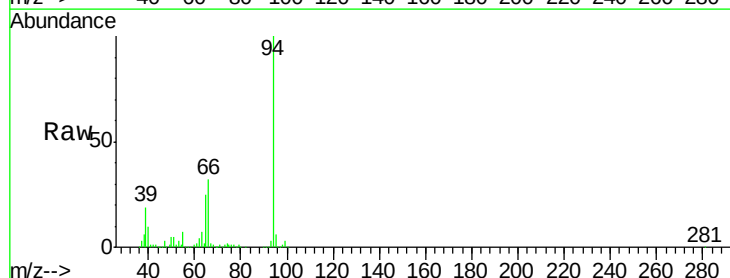
Tgt Ion: 94 Resp: 541614

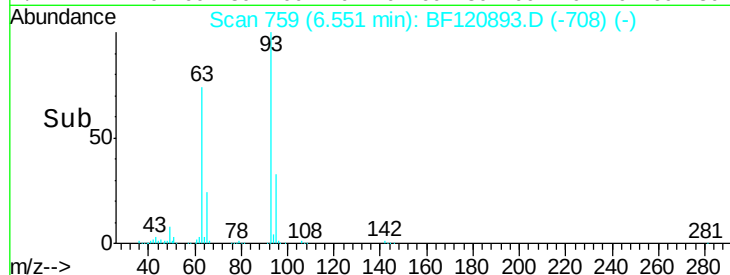
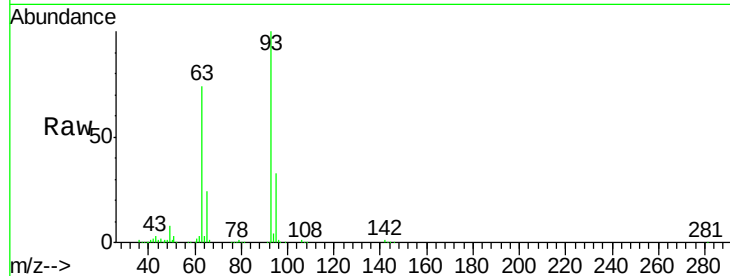
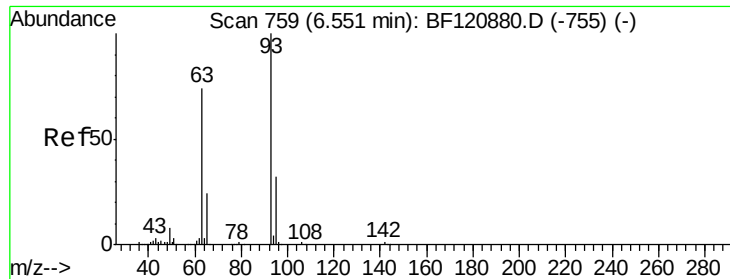
Ion Ratio Lower Upper

94 100

65 25.4 6.6 46.6

66 31.7 13.2 53.2





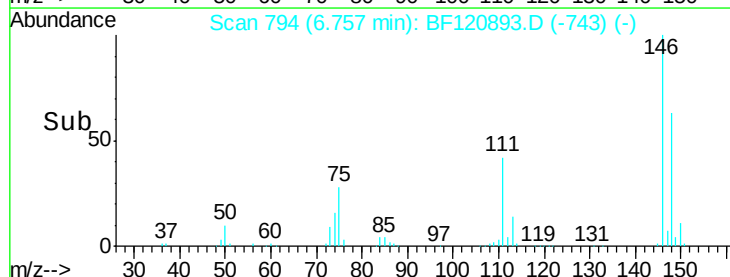
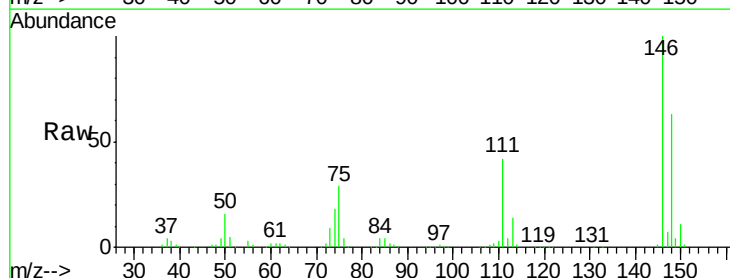
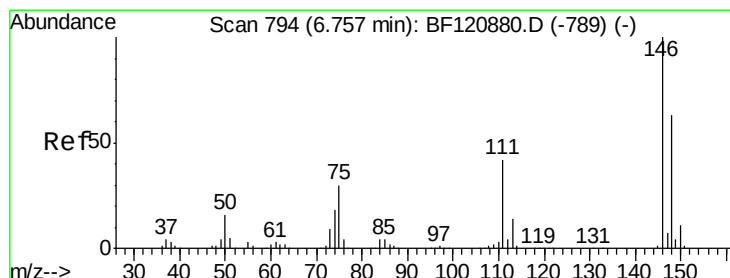
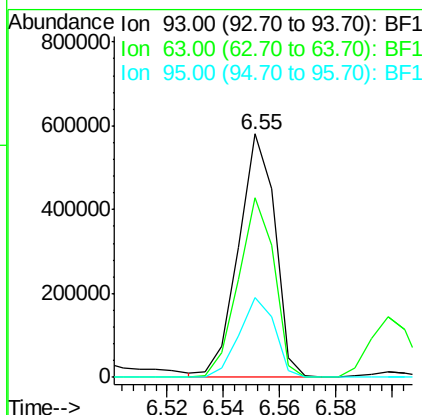
#11
bis(2-Chloroethyl)ether
Concen: 48.893 ng
RT: 6.55 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tot Ion:	93	Resp:	517829
Ion Ratio	Lower	Upper	
93	100		
63	73.9	54.2	94.2
95	32.5	12.2	52.2

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

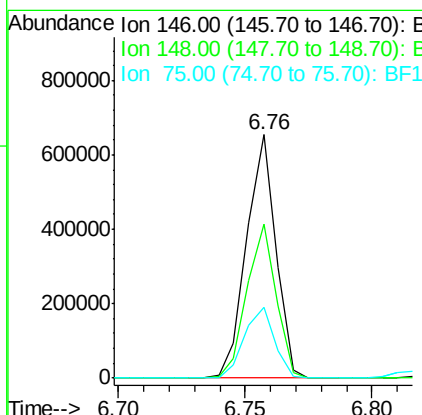
Manual Integrations
APPROVED

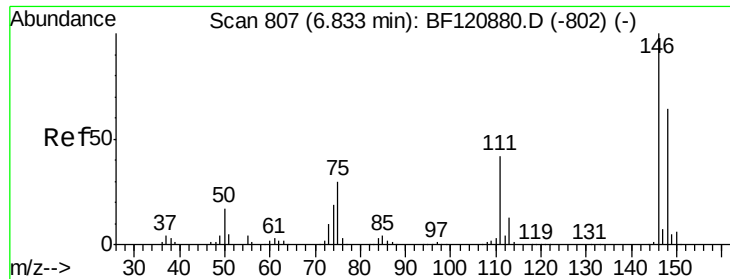
mohammad
7/17/2020 12:30:16 PM



#12
1,3-Dichlorobenzene
Concen: 45.354 ng
RT: 6.76 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion:	146	Resp:	526900
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.6	75.8
75	29.4	24.1	36.1





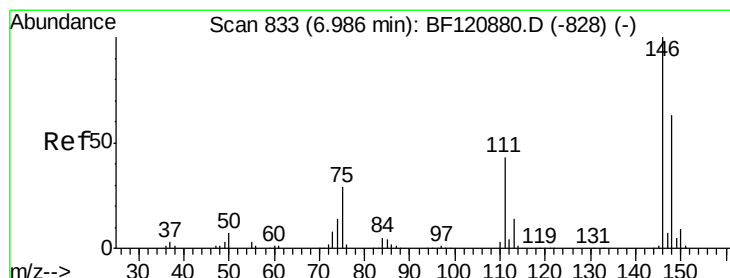
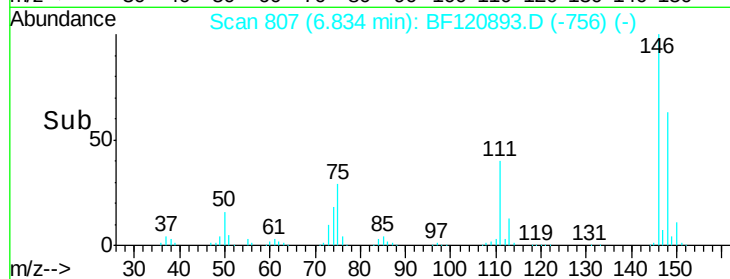
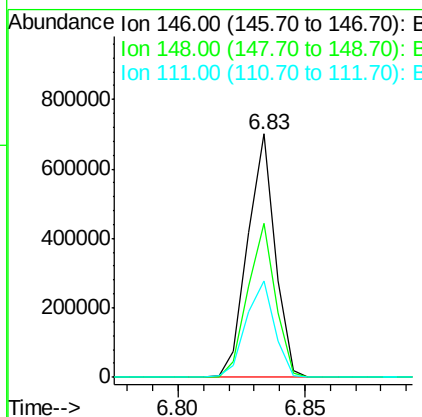
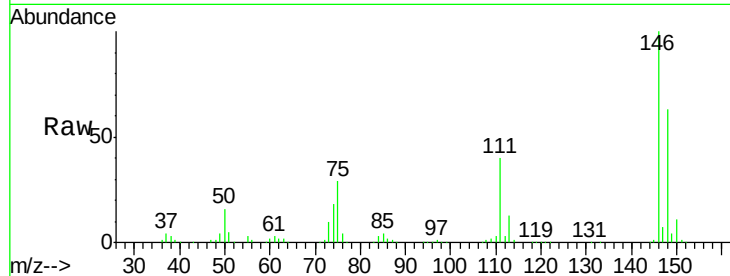
#13
1,4-Dichlorobenzene
Concen: 45.705 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.6	77.4
111	39.9	33.5	50.3

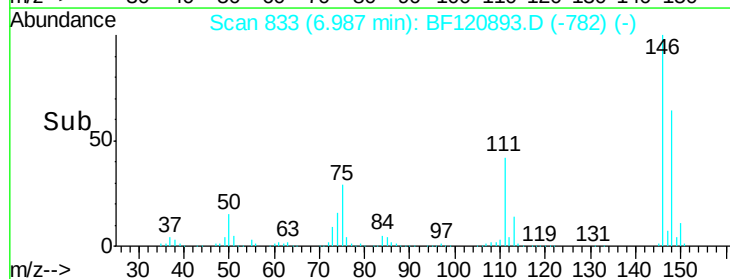
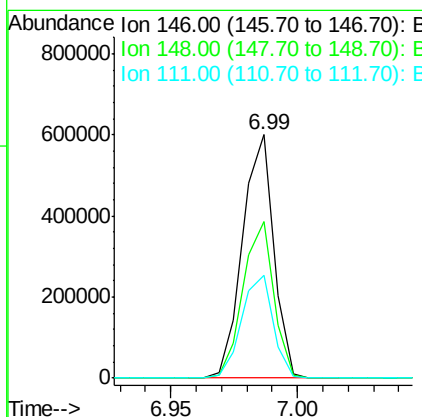
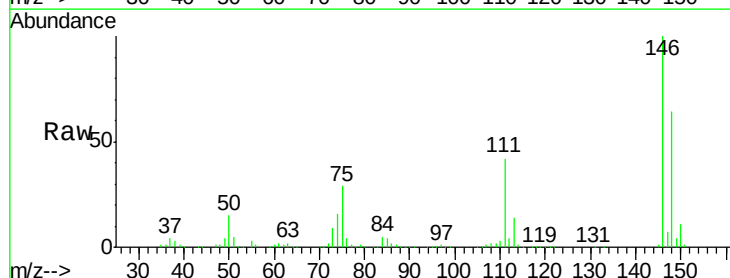
Manual Integrations
APPROVED

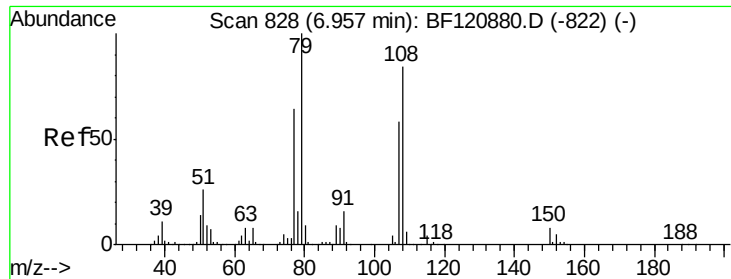
mohammad
7/17/2020 12:30:16 PM



#14
1,2-Dichlorobenzene
Concen: 46.909 ng
RT: 6.99 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	76.0
111	42.1	34.2	51.2





#15

Benzyl Alcohol

Concen: 48.118 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

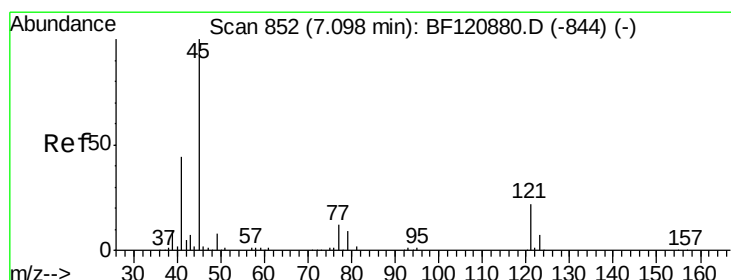
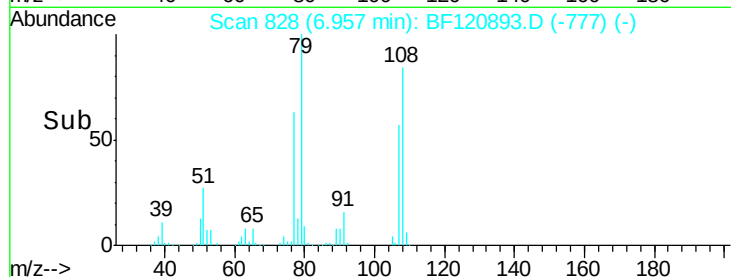
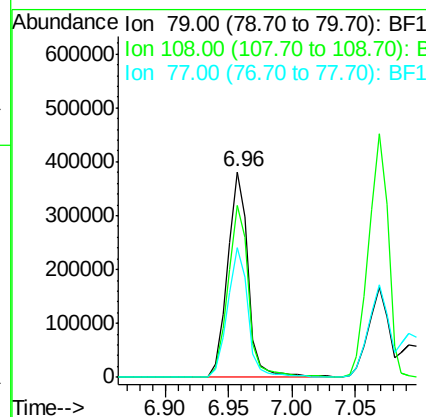
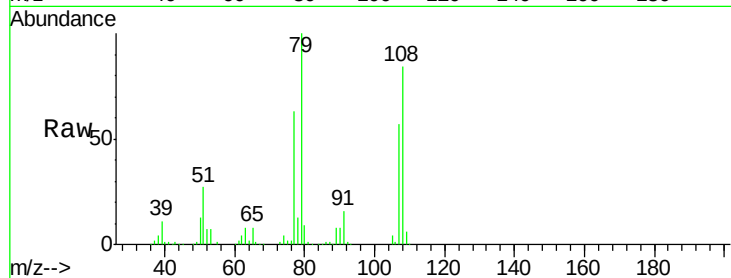
ClientSampleId :

SU-03-071420MSD

Tot Ion:	79	Resp:	427492
Ion Ratio	Lower	Upper	
79	100		
108	83.8	67.0	100.6
77	62.8	51.0	76.4

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 46.857 ng

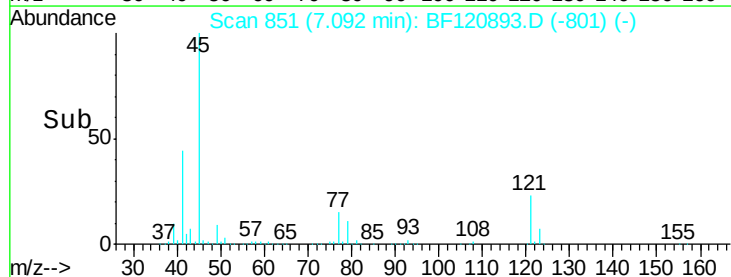
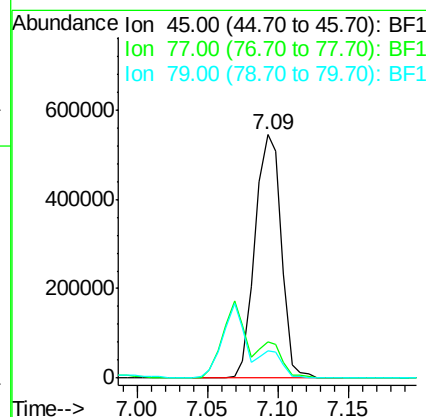
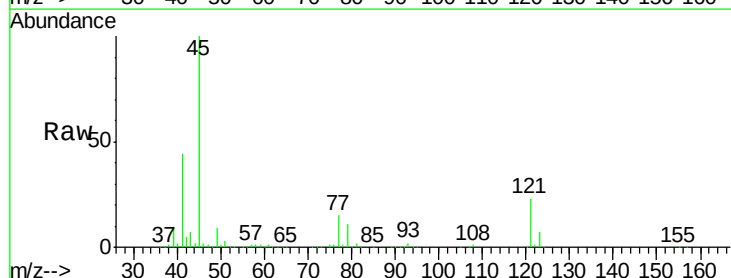
RT: 7.09 min Scan# 851

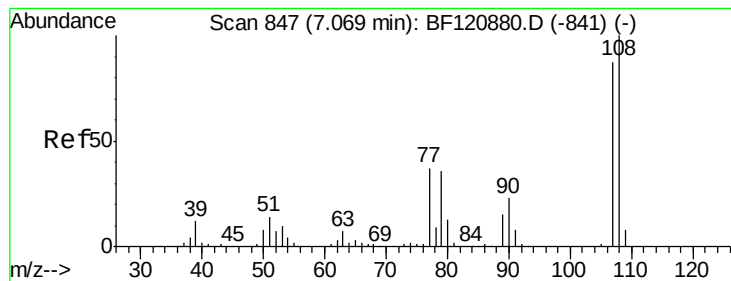
Delta R.T. -0.01 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Tgt Ion:	45	Resp:	715291
Ion Ratio	Lower	Upper	
45	100		
77	14.8	0.0	34.3
79	11.1	0.0	31.0





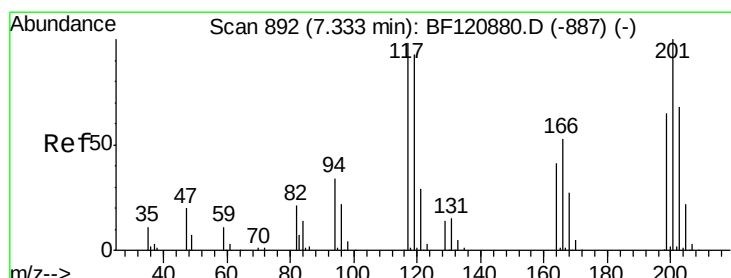
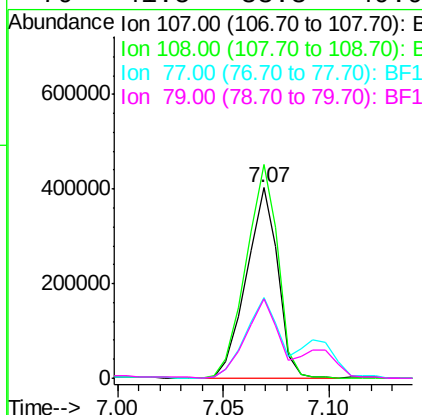
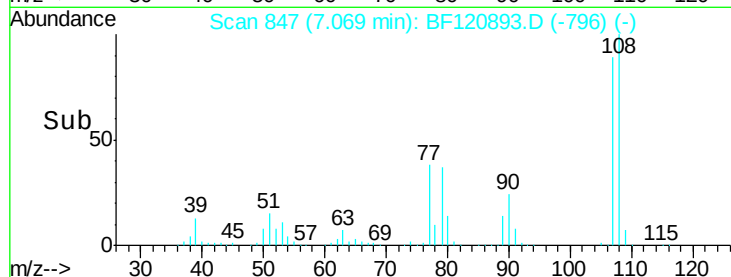
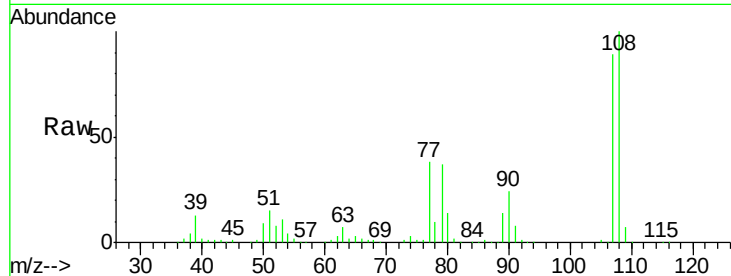
#17
2-Methylphenol
Concen: 43.694 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	107	Resp	414920
Ion Ratio	Lower	Upper	
107	100		
108	112.2	92.0	138.0
77	42.6	34.0	51.0
79	41.5	33.3	49.9

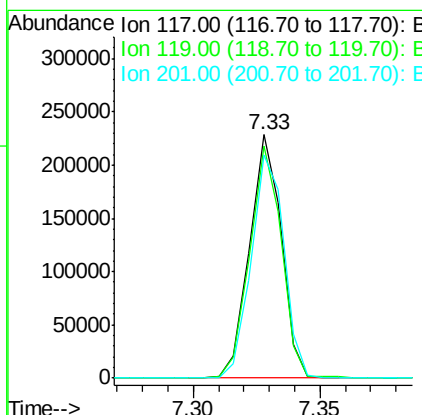
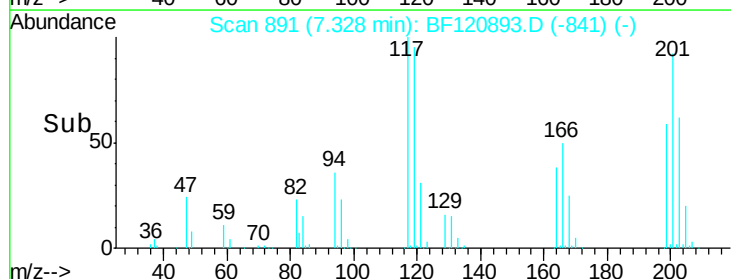
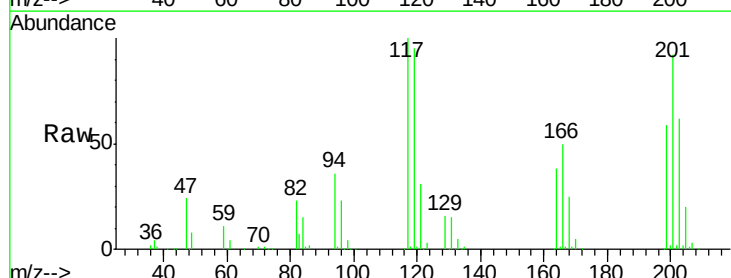
Manual Integrations
APPROVED

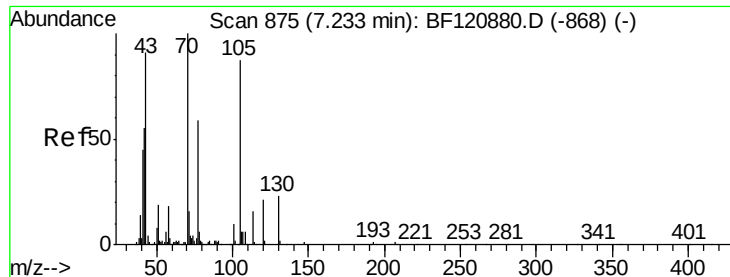
mohammad
7/17/2020 12:30:16 PM



#18
Hexachloroethane
Concen: 47.745 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	117	Resp	199630
Ion Ratio	Lower	Upper	
117	100		
119	95.2	76.0	114.0
201	91.7	81.7	122.5





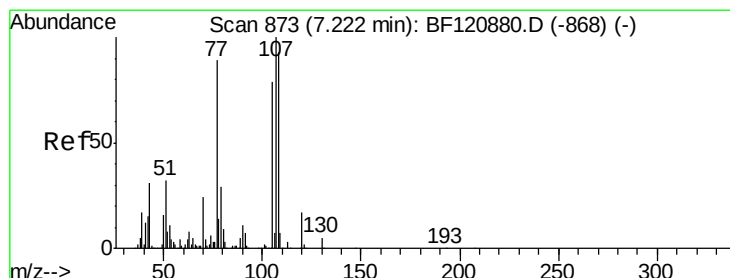
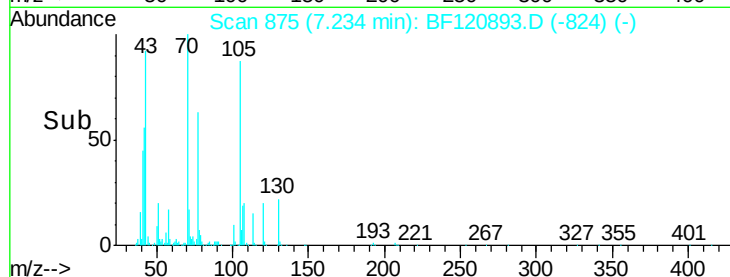
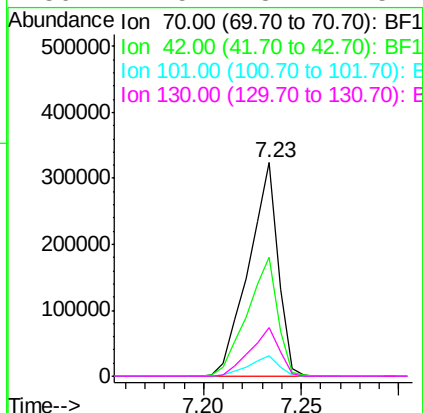
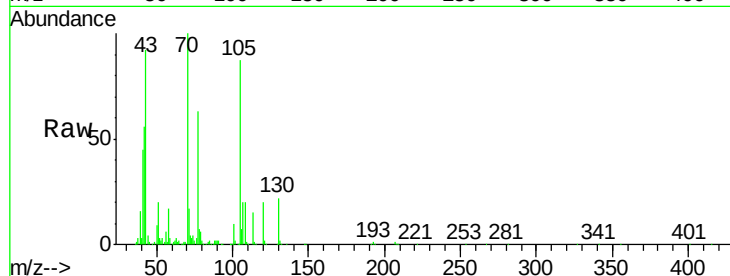
#19
n-Nitroso-di-n-propylamine
Concen: 47.254 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.6	44.0	66.0	
101	9.8	7.8	11.6	
130	22.5	18.7	28.1	

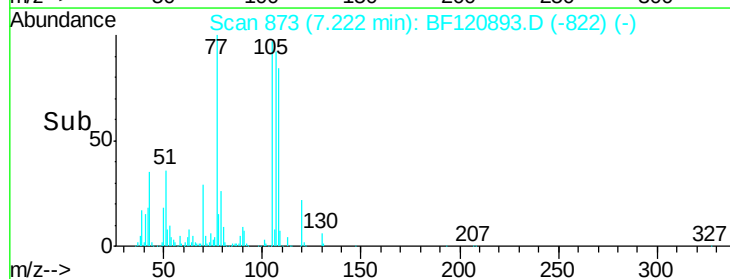
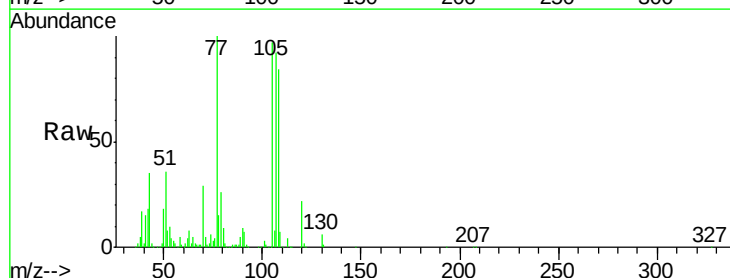
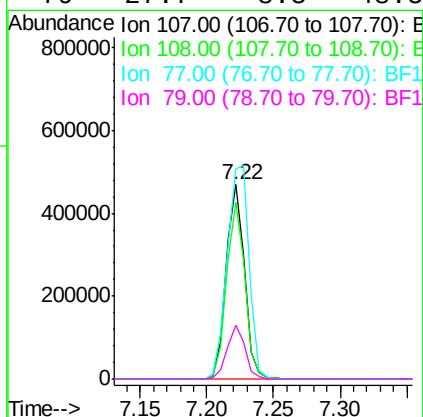
Manual Integrations
APPROVED

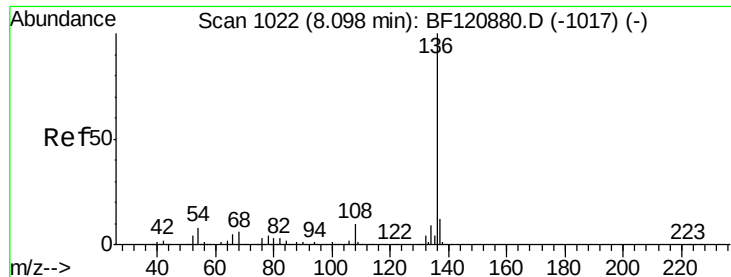
mohammad
7/17/2020 12:30:16 PM



#20
3+4-Methylphenols
Concen: 37.777 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.2	72.8	112.8	
77	108.2	68.7	108.7	
79	27.7	8.5	48.5	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

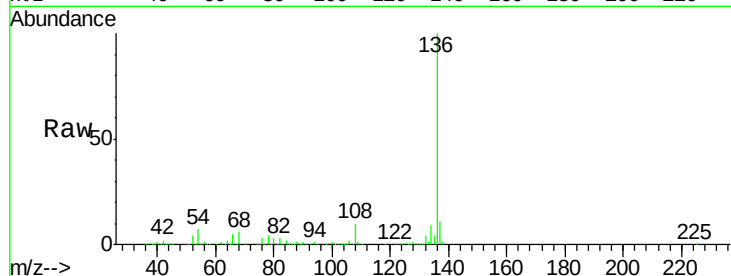
ClientSampleId :

SU-03-071420MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	629949		
137	11.0		9.3	13.9
54	7.4		6.3	9.5
68	5.9		5.0	7.4

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



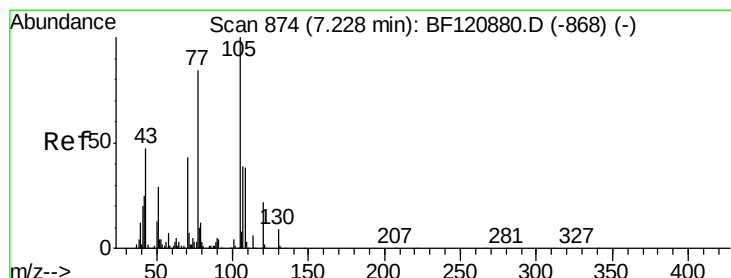
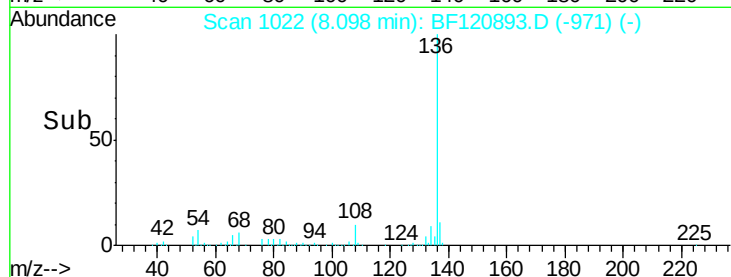
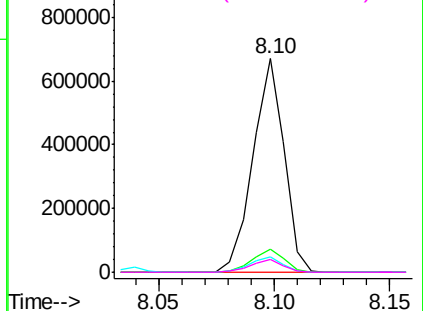
Abundance

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: 45.285 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	640236		
71	6.3		5.7	8.5
51	29.2		22.9	34.3
120	22.3		18.0	27.0

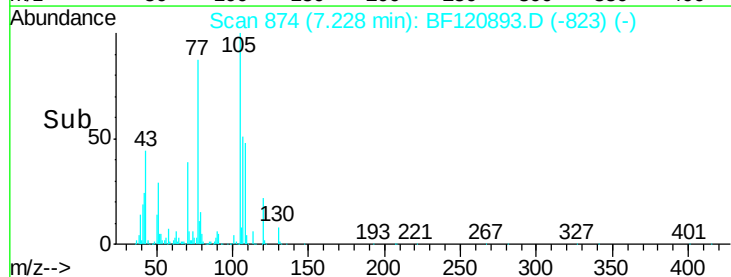
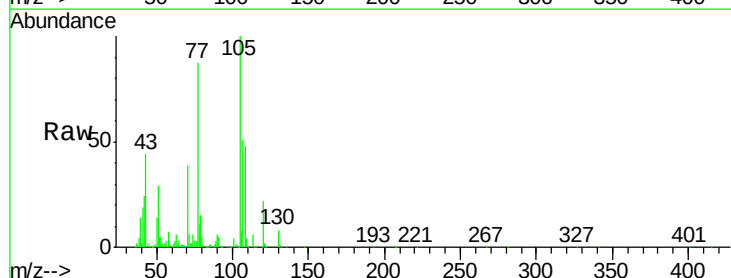
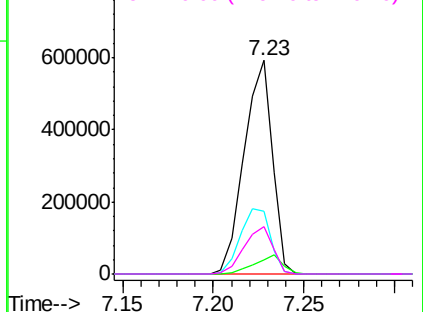
Abundance

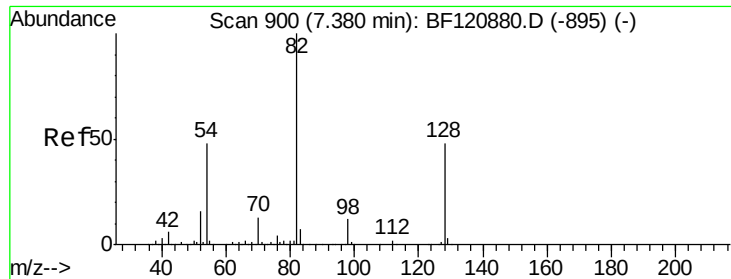
Ion 105.00 (104.70 to 105.70): E

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





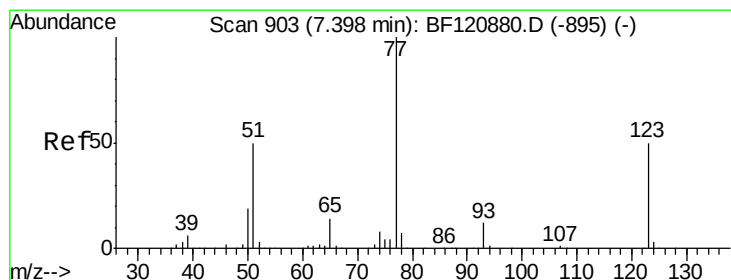
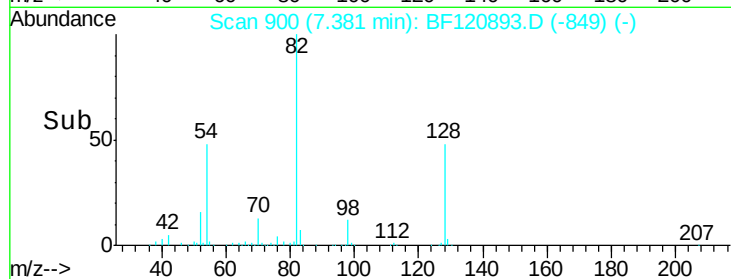
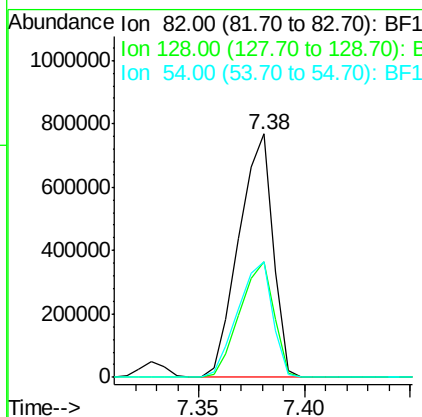
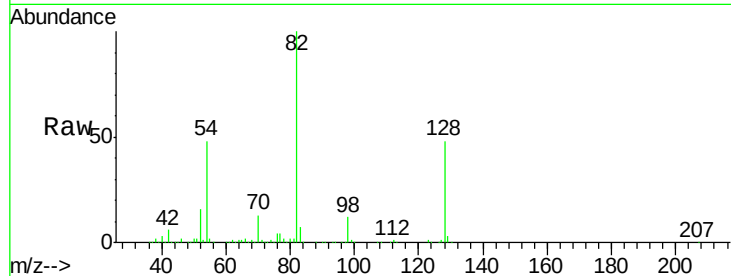
#23
 Nitrobenzene-d5
 Concen: 79.228 ng
 RT: 7.38 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	38.2	57.4
54	47.7	38.7	58.1

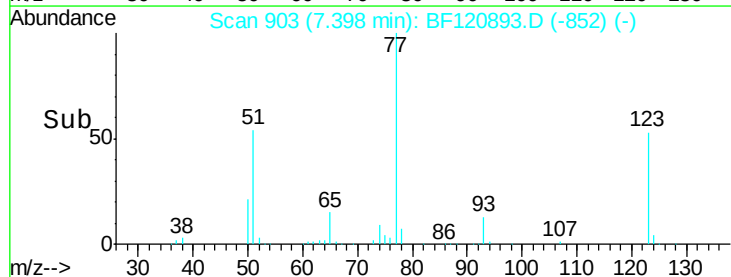
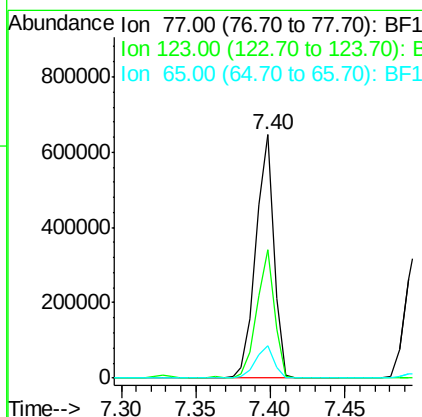
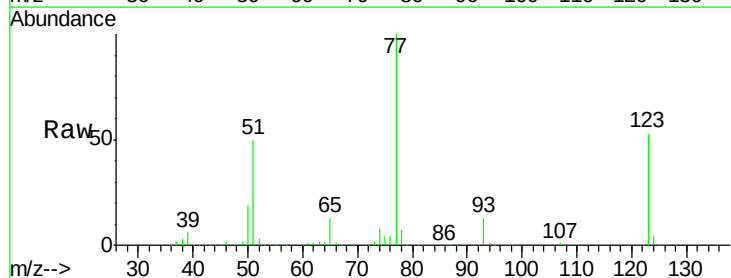
Manual Integrations
 APPROVED

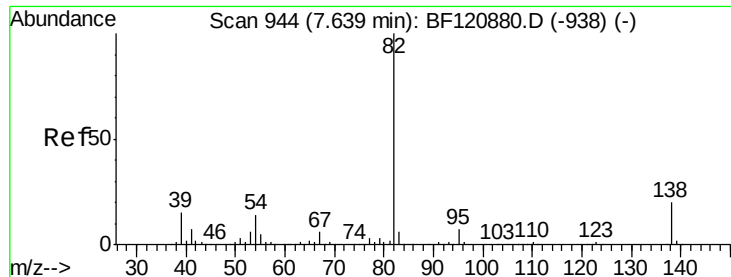
mohammad
 7/17/2020 12:30:16 PM



#24
 Nitrobenzene
 Concen: 45.891 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.6	40.1	60.1
65	13.4	10.8	16.2





#25

Isophorone

Concen: 46.164 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

SU-03-071420MSD

Tot Ion: 82 Resp: 1003052

Ion Ratio Lower Upper

82 100

95 7.0 5.5 8.3

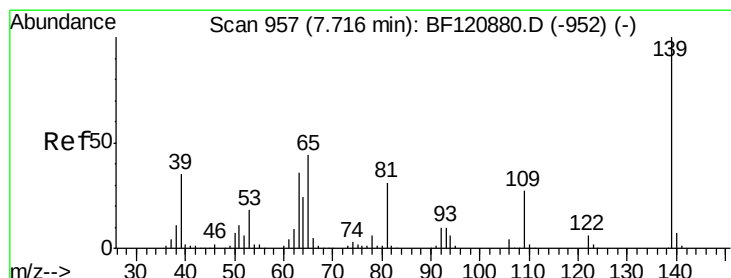
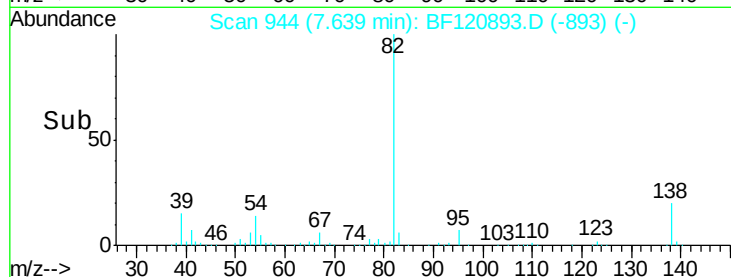
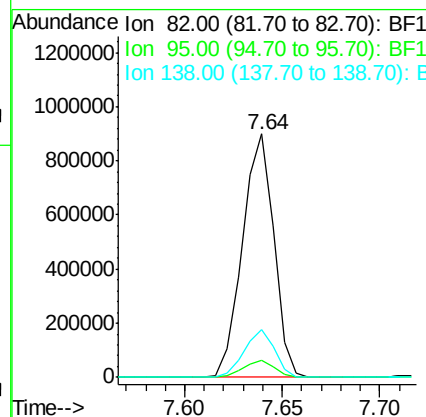
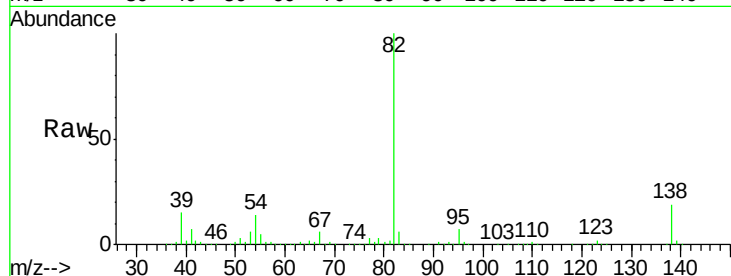
138 19.4 15.6 23.4

Manual Integrations

APPROVED

mohammad

7/17/2020 12:30:16 PM



#26

2-Nitrophenol

Concen: 50.657 ng

RT: 7.72 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

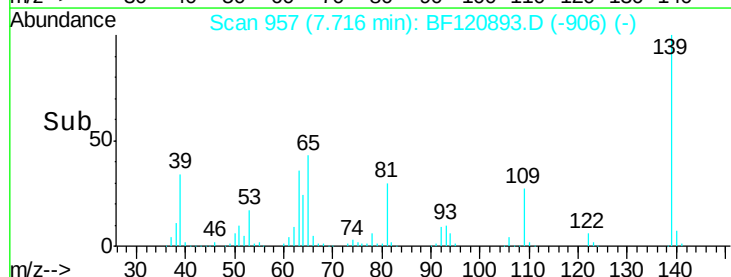
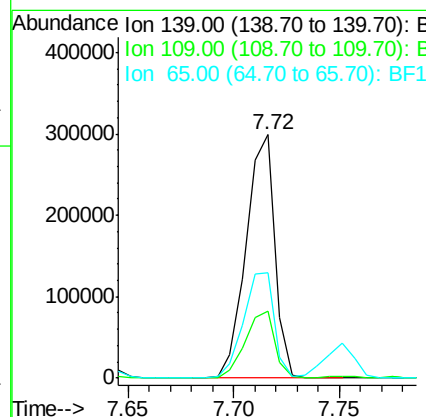
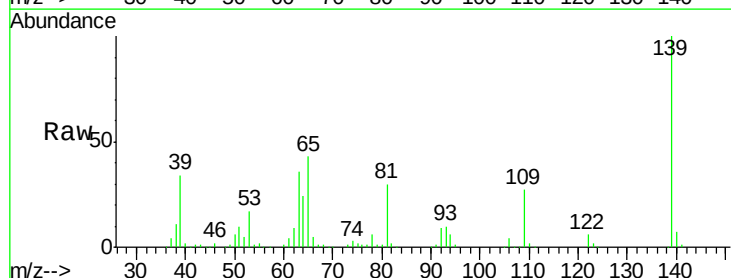
Tgt Ion: 139 Resp: 282300

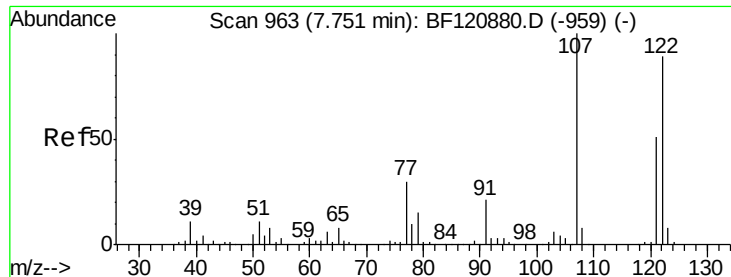
Ion Ratio Lower Upper

139 100

109 27.5 21.6 32.4

65 43.0 35.3 52.9





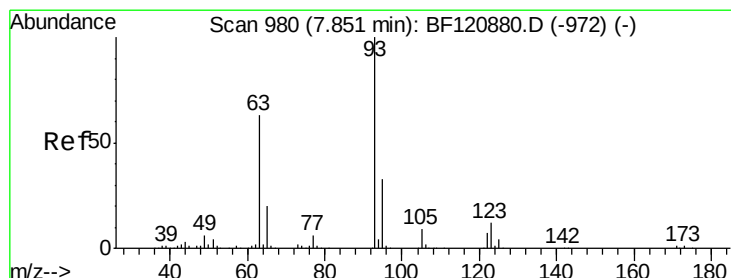
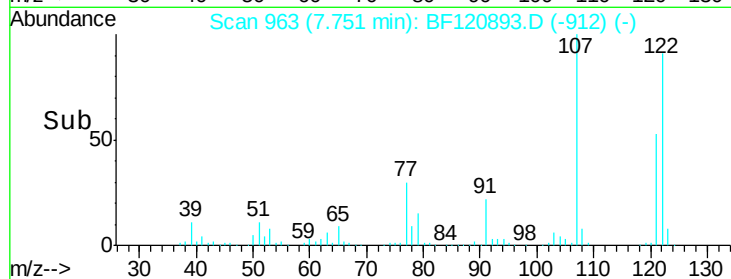
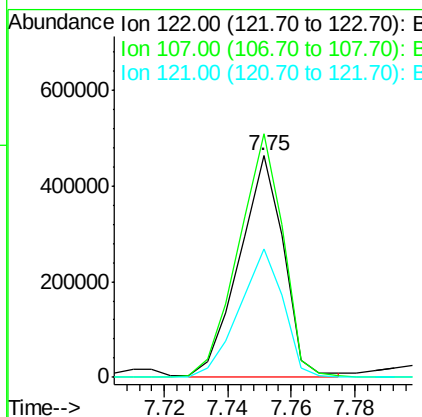
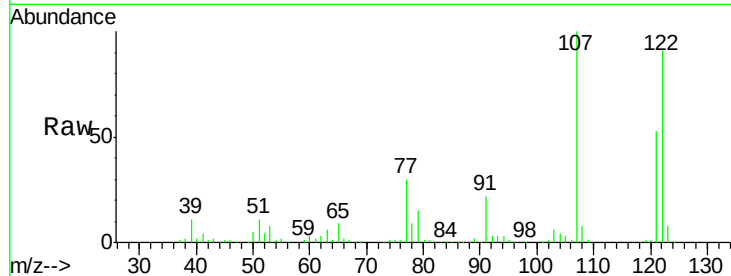
#27
2,4-Dimethylphenol
Concen: 49.657 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.8	89.4	134.0
121	57.9	46.0	69.0

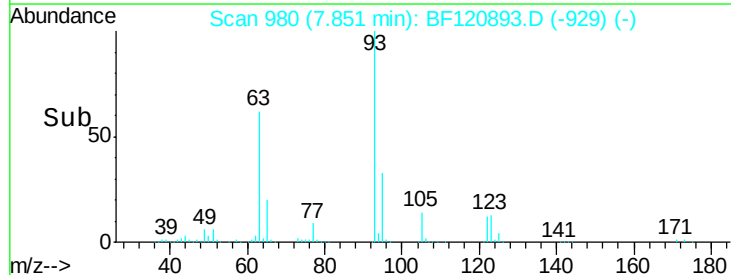
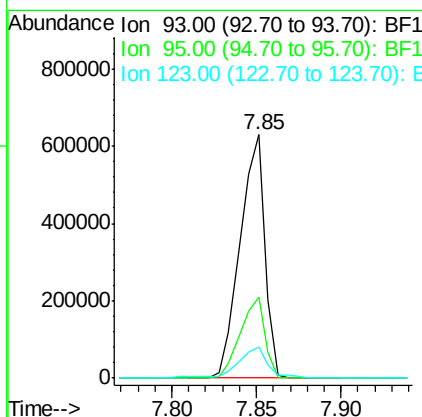
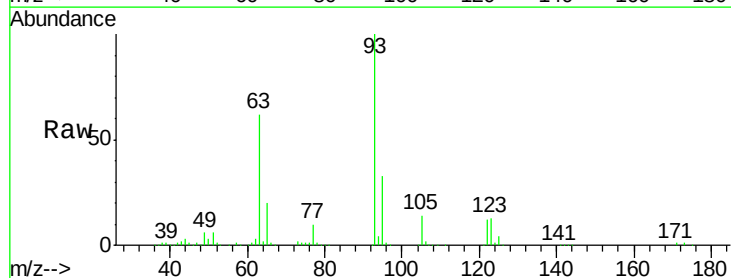
Manual Integrations
APPROVED

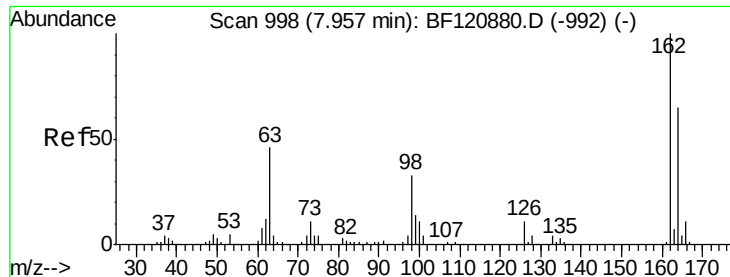
mohammad
7/17/2020 12:30:16 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.451 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.6	39.8
123	12.7	10.0	15.0





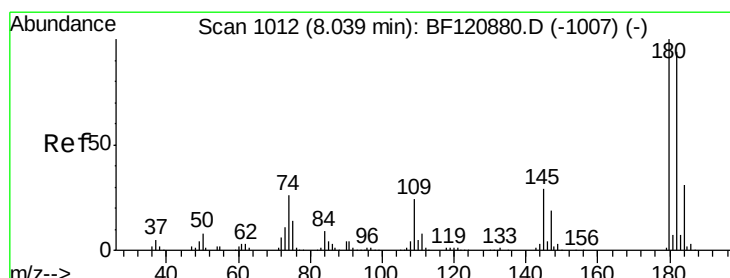
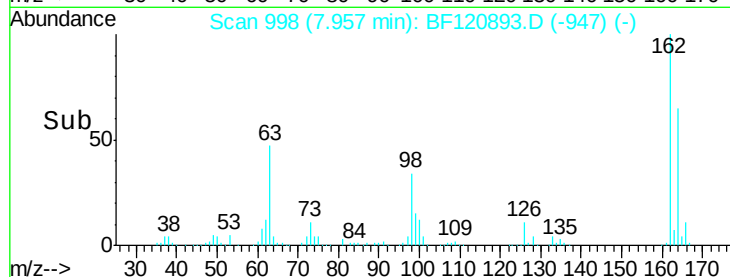
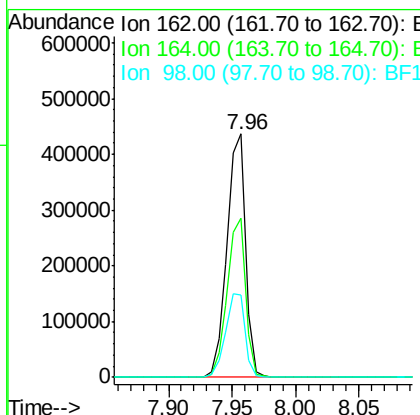
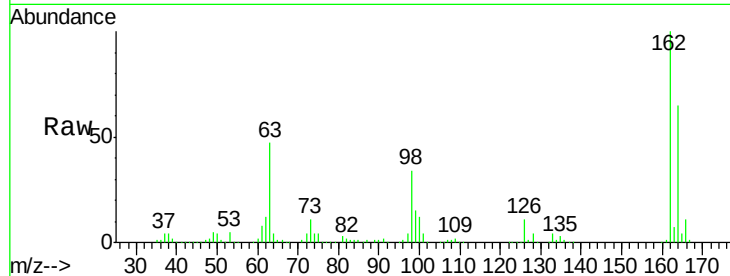
#29
2,4-Dichlorophenol
Concen: 47.962 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	443446		
164	65.5	45.3	85.3	
98	34.0	13.3	53.3	

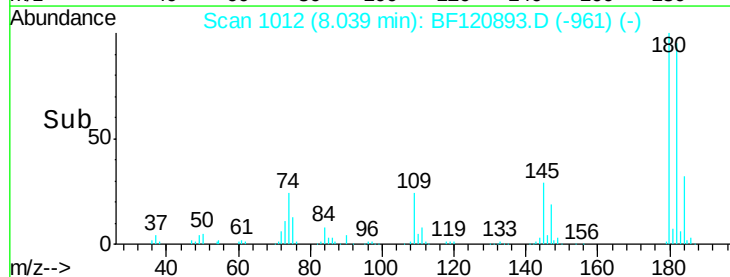
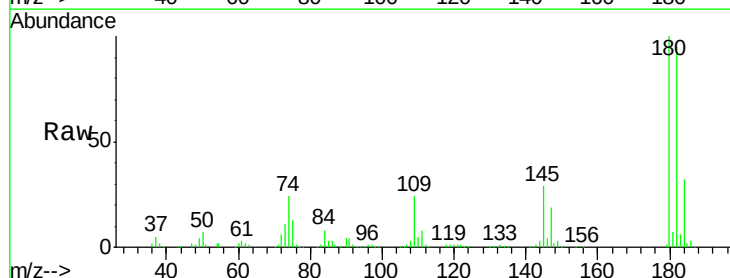
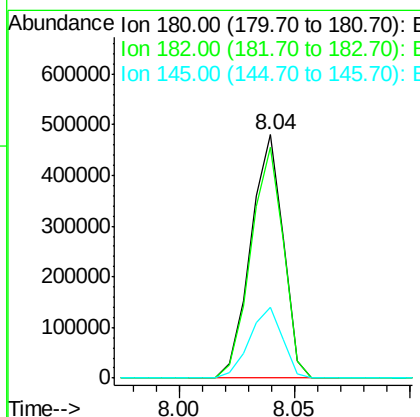
Manual Integrations
APPROVED

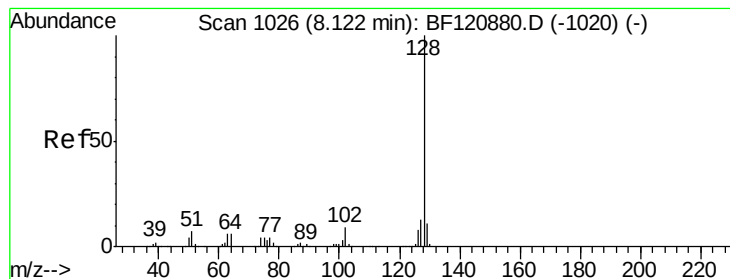
mohammad
7/17/2020 12:30:16 PM



#30
1,2,4-Trichlorobenzene
Concen: 45.909 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	470929		
182	94.9	75.0	112.6	
145	29.3	23.5	35.3	





#31

Naphthalene

Concen: 45.966 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

SU-03-071420MSD

Tot Ion:128 Resp: 1485304

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

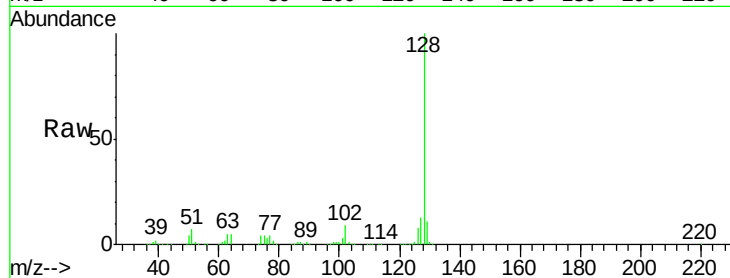
127 13.5 10.7 16.1

Manual Integrations

APPROVED

mohammad

7/17/2020 12:30:16 PM

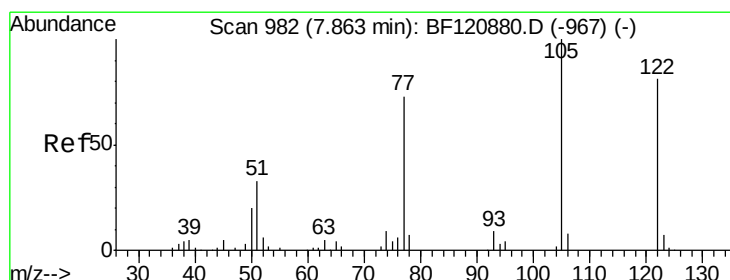
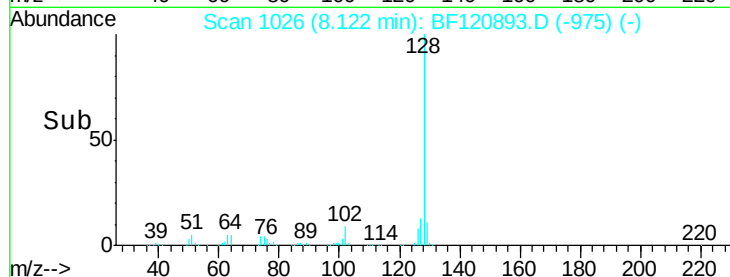
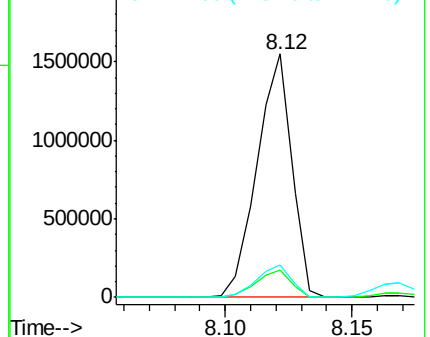


Abundance

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: 48.344 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.01 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

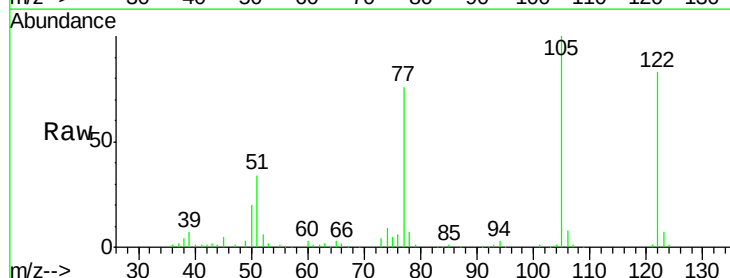
Tgt Ion:122 Resp: 328355

Ion Ratio Lower Upper

122 100

105 120.5 101.3 141.3

77 91.0 69.1 109.1

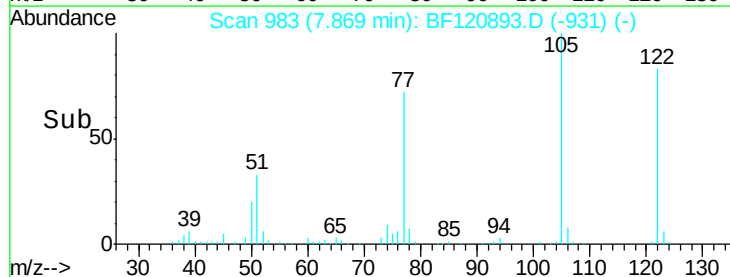
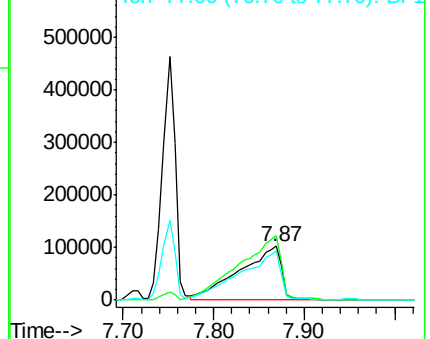


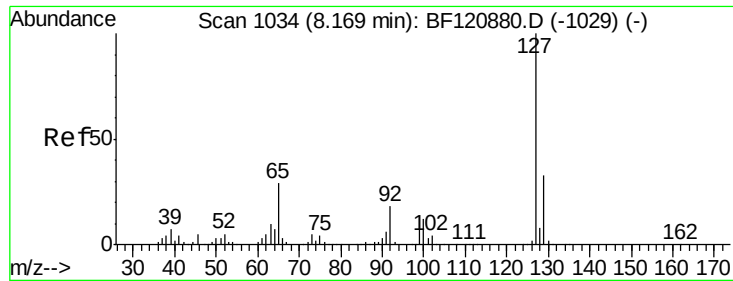
Abundance

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





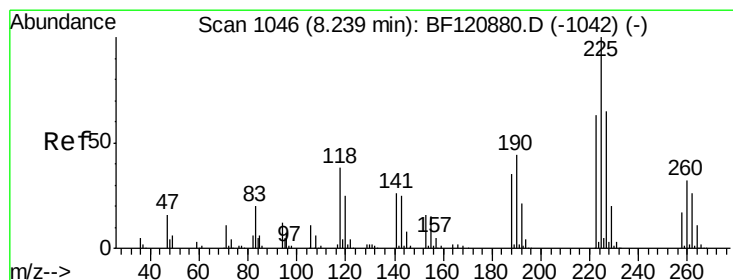
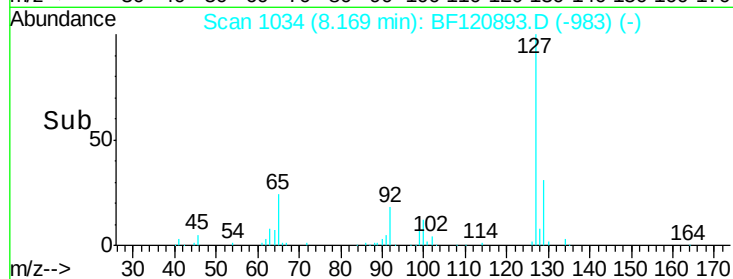
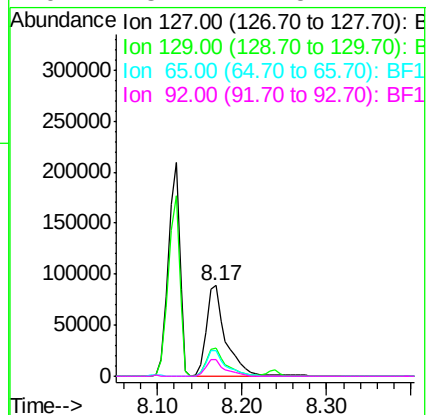
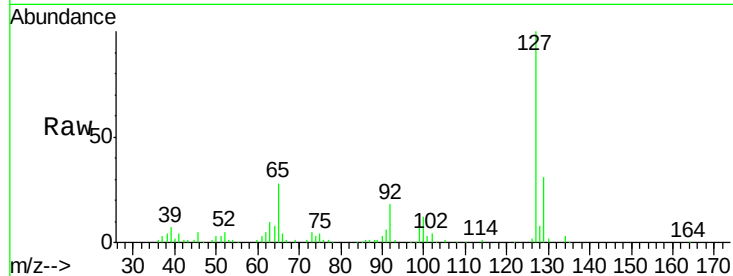
#33
4-Chloroaniline
Concen: 9.836 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.2	26.5	39.7		
65	28.3	23.0	34.4		
92	18.2	14.5	21.7		

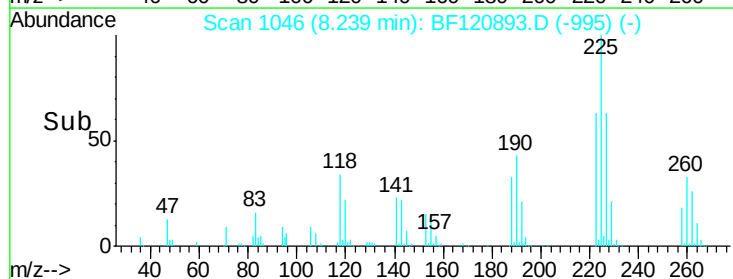
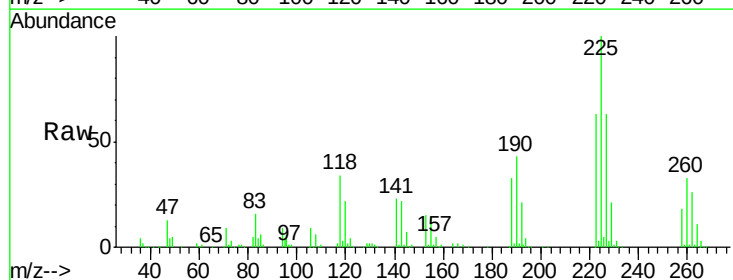
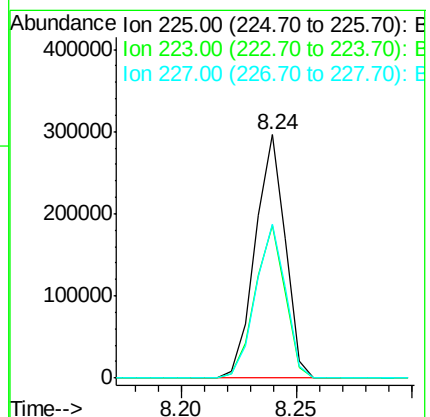
Manual Integrations
APPROVED

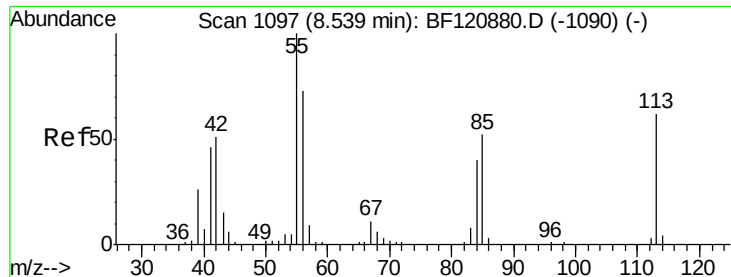
mohammad
7/17/2020 12:30:16 PM



#34
Hexachlorobutadiene
Concen: 44.402 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	50.6	76.0		
227	63.0	52.2	78.2		





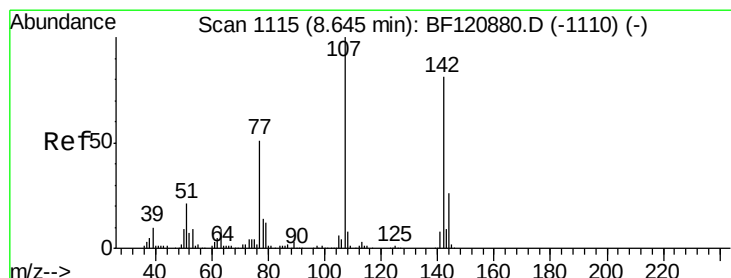
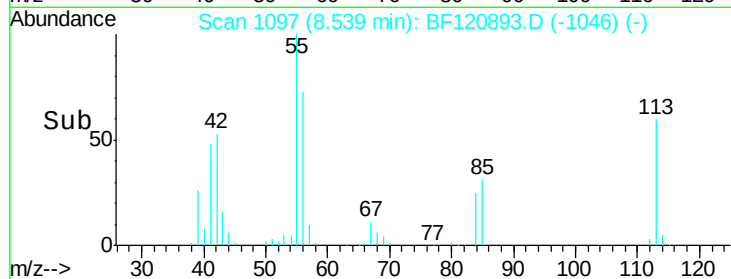
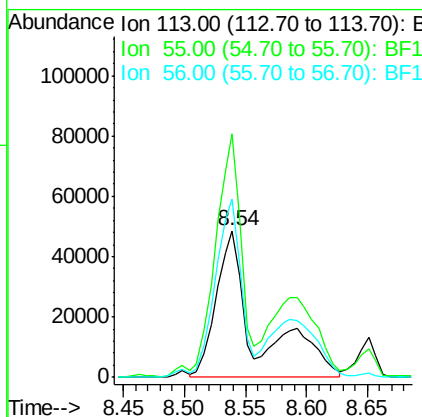
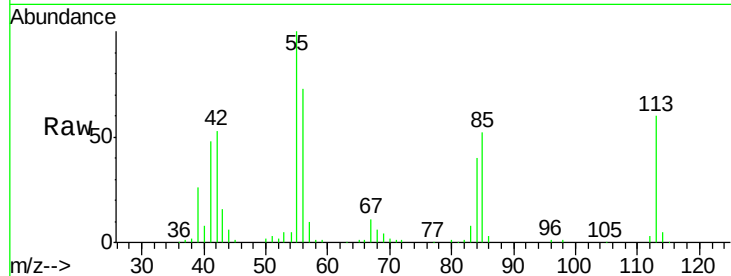
#35
 Caprolactam
 Concen: 37.624 ng/ml
 RT: 8.54 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	165.8	143.3	183.3
56	121.1	99.4	139.4

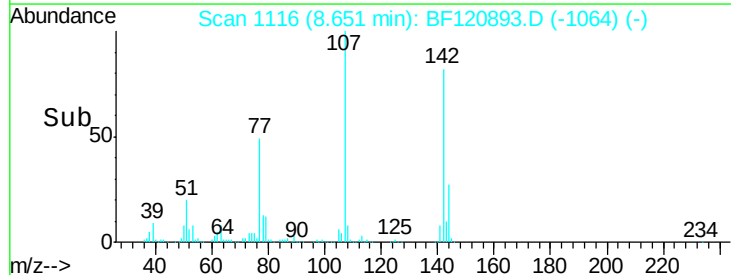
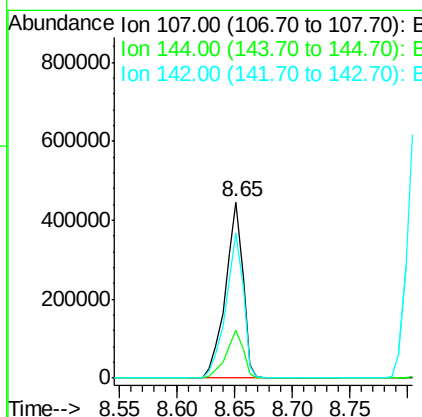
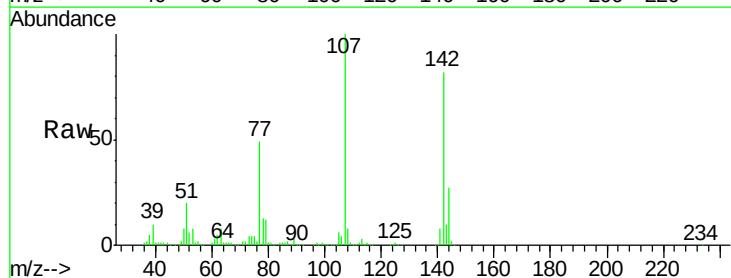
Manual Integrations
 APPROVED

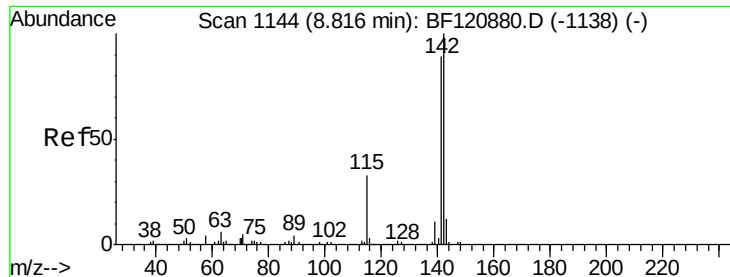
mohammad
 7/17/2020 12:30:16 PM



#36
 4-Chloro-3-methylphenol
 Concen: 49.633 ng/ml
 RT: 8.65 min Scan# 1116
 Delta R.T. 0.01 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.0	31.6
142	82.0	65.0	97.6





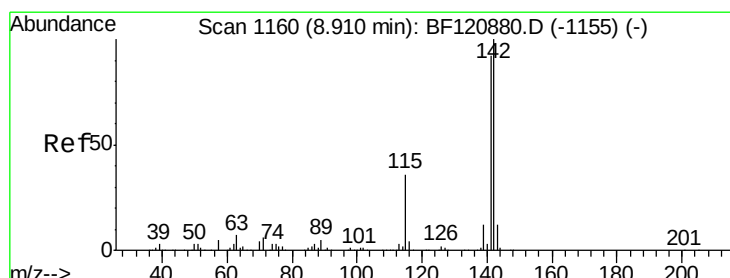
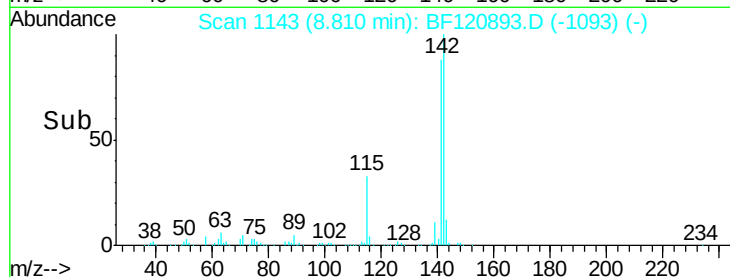
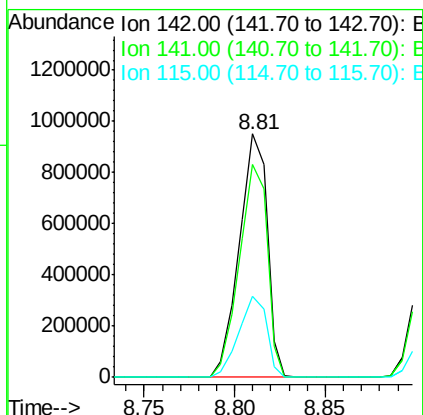
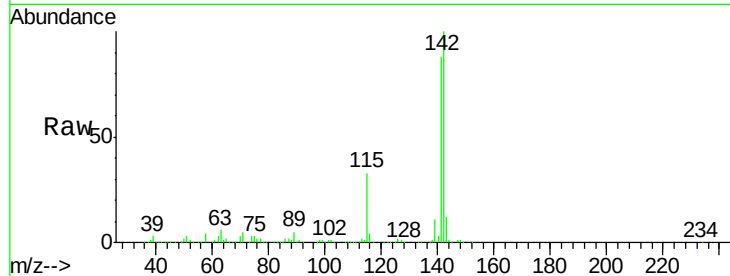
#37
2-Methylnaphthalene
Concen: 48.659 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.0	106.4
115	33.5	26.0	39.0

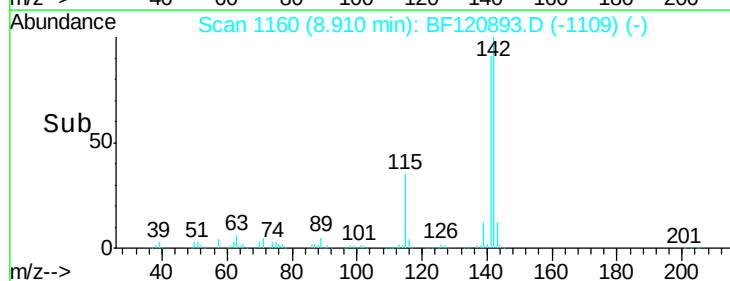
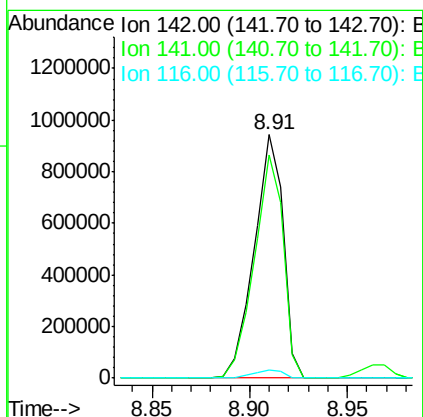
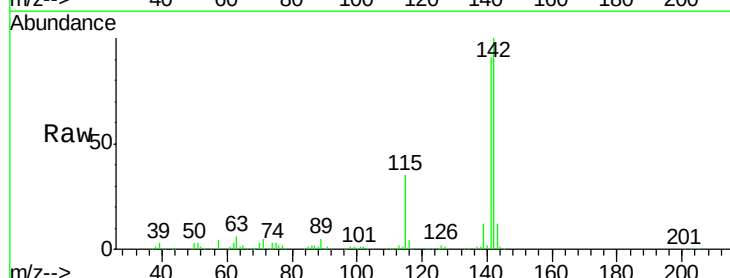
Manual Integrations
APPROVED

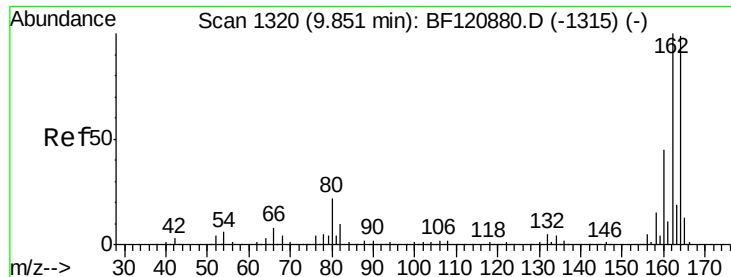
mohammad
7/17/2020 12:30:16 PM



#38
1-Methylnaphthalene
Concen: 48.822 ng
RT: 8.91 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.7	110.5
116	3.5	3.0	4.6





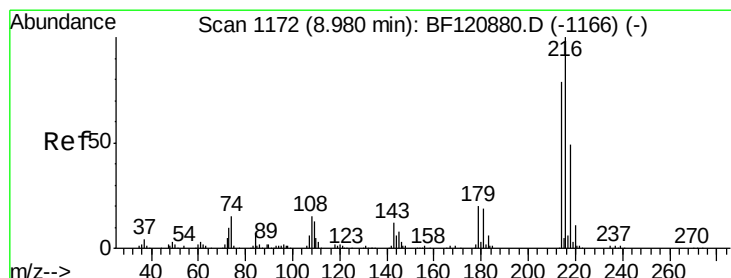
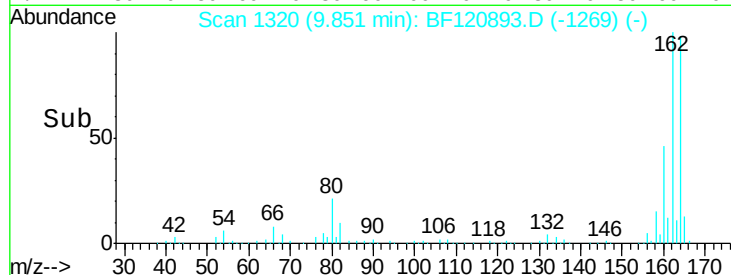
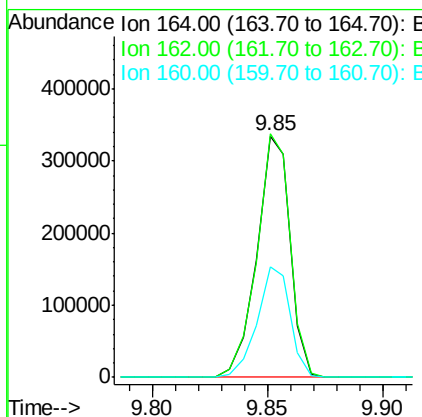
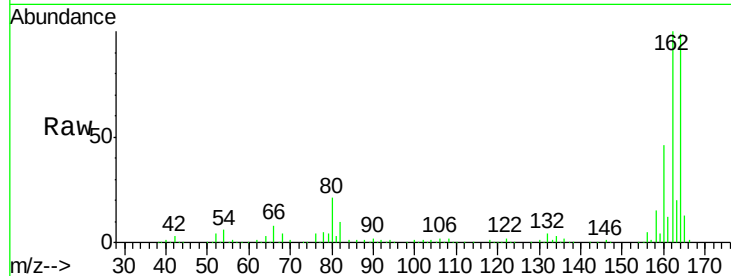
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.2	121.8
160	46.0	36.9	55.3

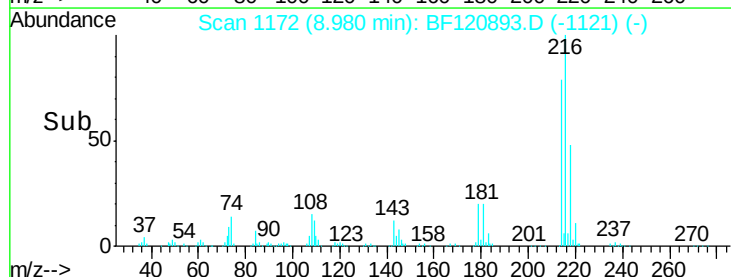
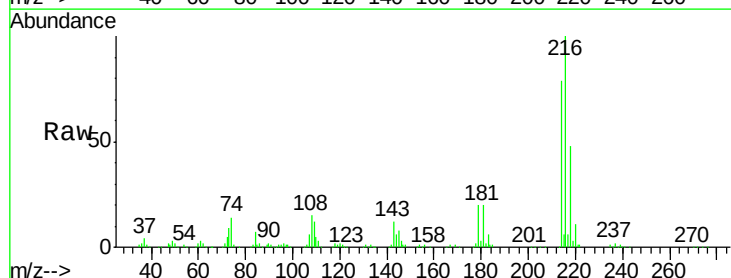
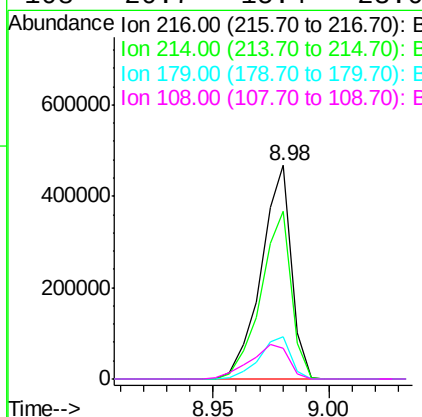
Manual Integrations
APPROVED

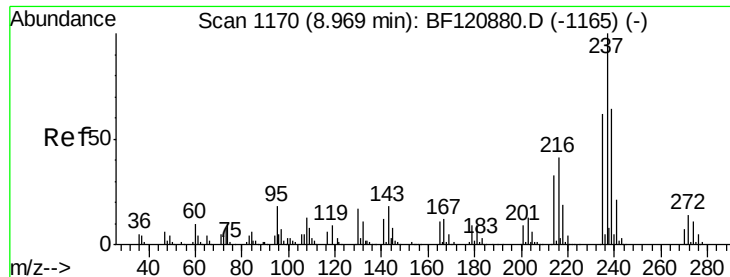
mohammad
7/17/2020 12:30:16 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.756 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.8
179	20.5	16.6	24.8
108	20.7	15.4	23.0





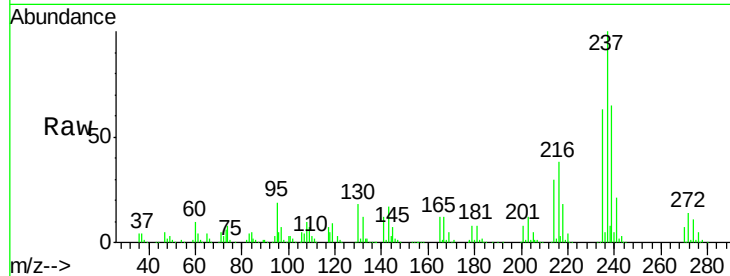
#41
Hexachlorocyclopentadiene
Concen: 88.602 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

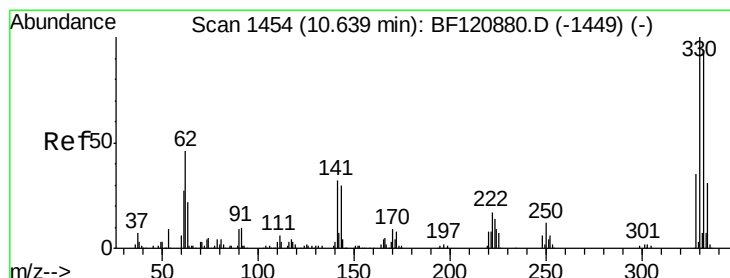
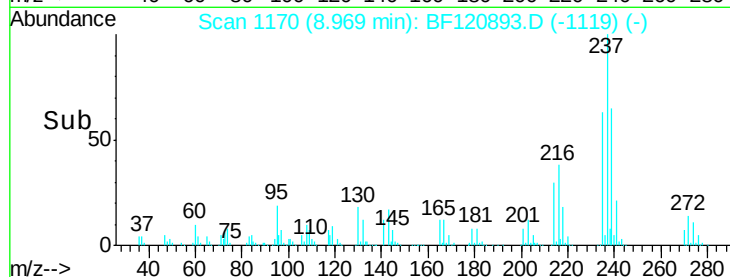
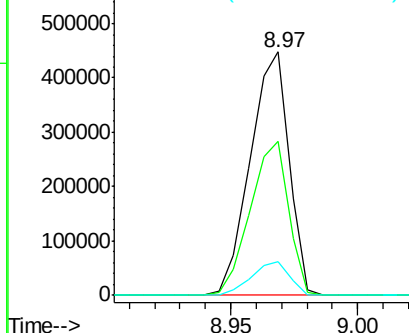
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.2	41.6	81.6
272	14.1	0.0	33.7

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



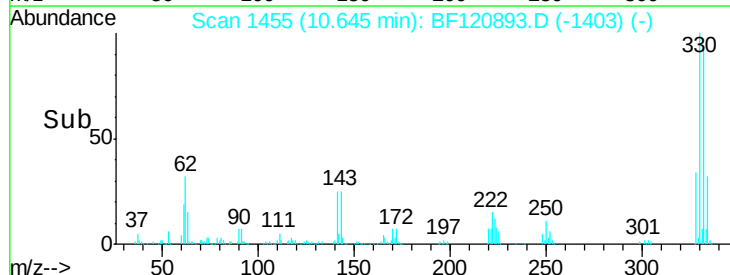
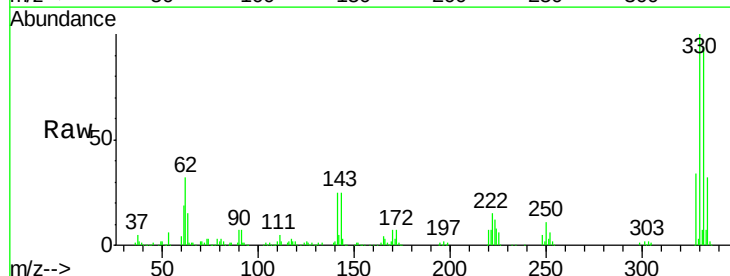
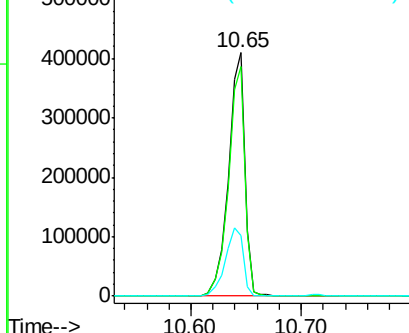
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

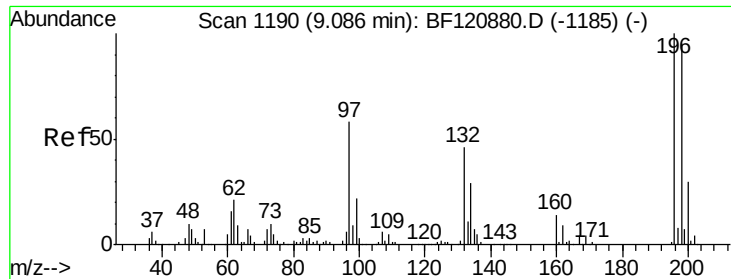


#42
2,4,6-Tribromophenol
Concen: 115.960 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.0	75.5	113.3
141	30.8	25.7	38.5

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





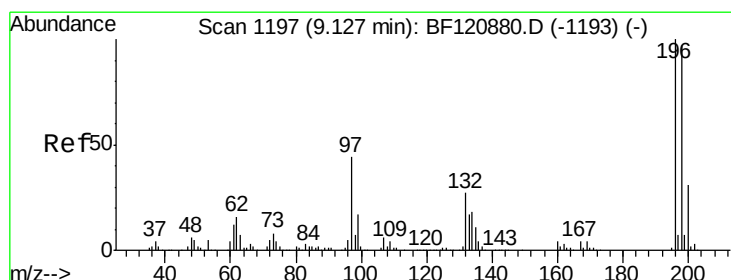
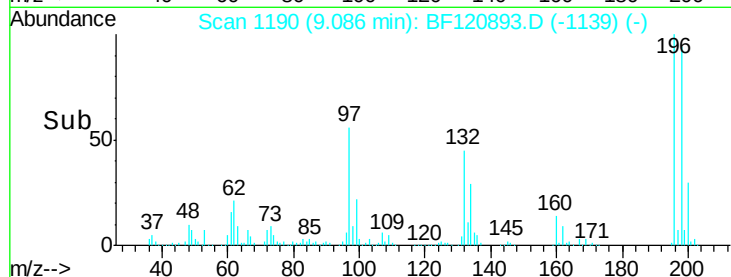
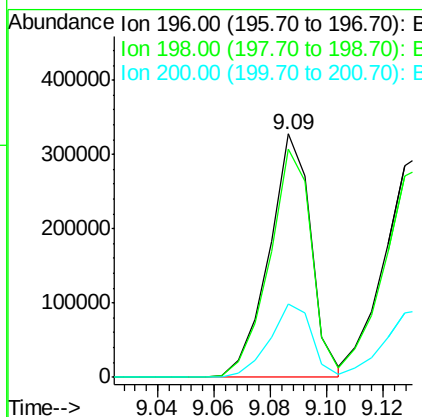
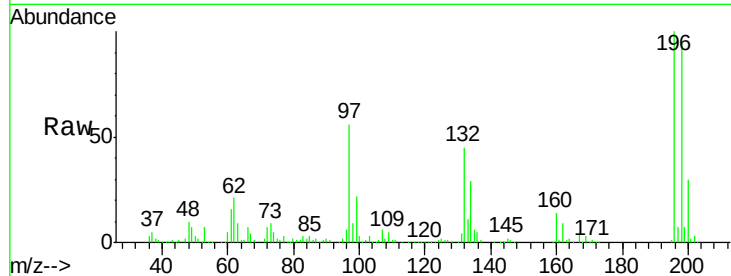
#43
 2,4,6-Trichlorophenol
 Concen: 48.885 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	336030		
198	93.5	75.7	113.5	
200	30.0	24.4	36.6	

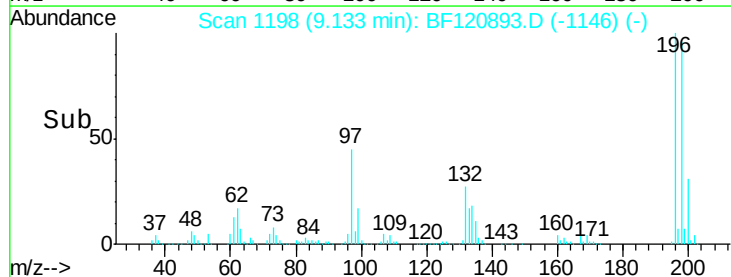
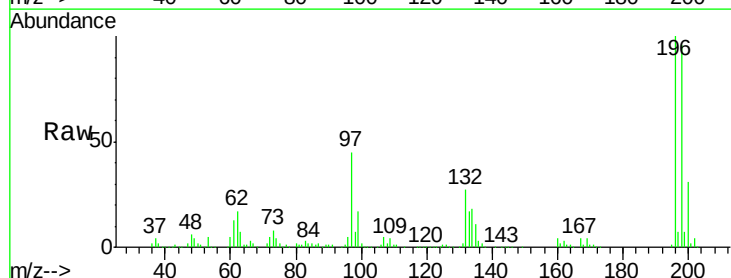
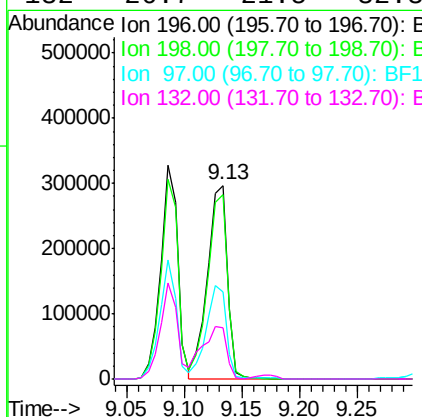
Manual Integrations
 APPROVED

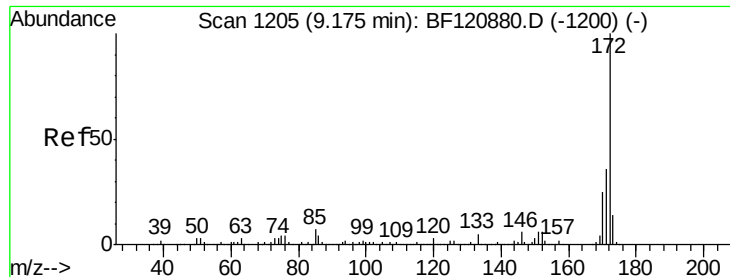
mohammad
 7/17/2020 12:30:16 PM



#44
 2,4,5-Trichlorophenol
 Concen: 46.102 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	359472		
198	95.5	77.6	116.4	
97	45.1	35.6	53.4	
132	26.7	21.5	32.3	





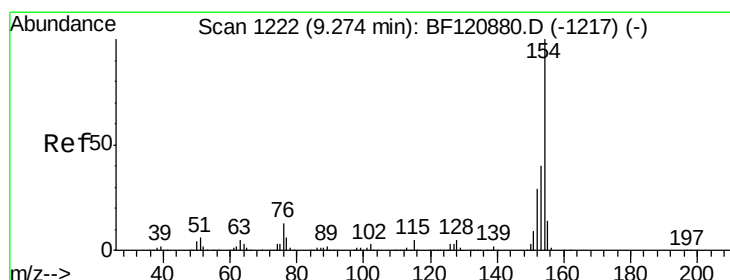
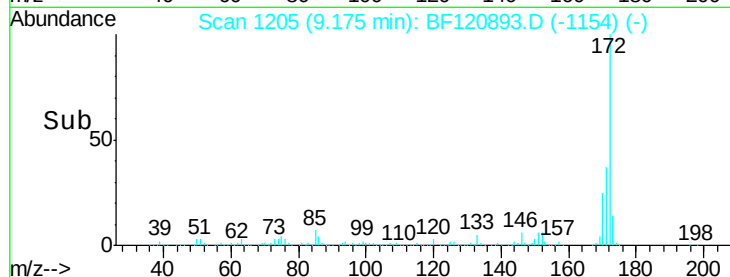
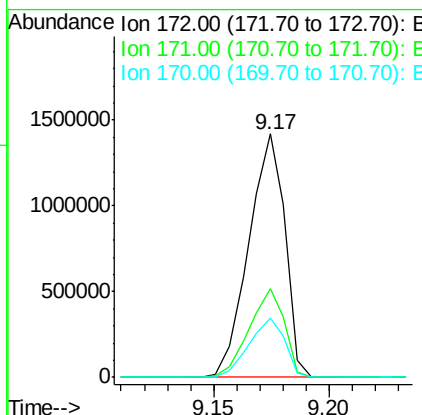
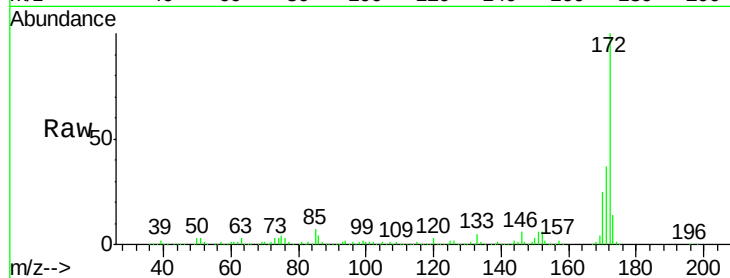
#45
2-Fluorobiphenyl
Concen: 68.906 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.6	19.6	29.4

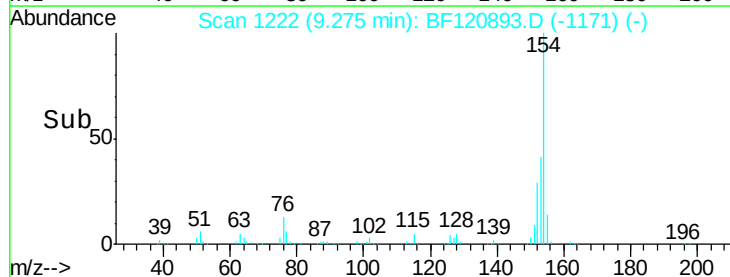
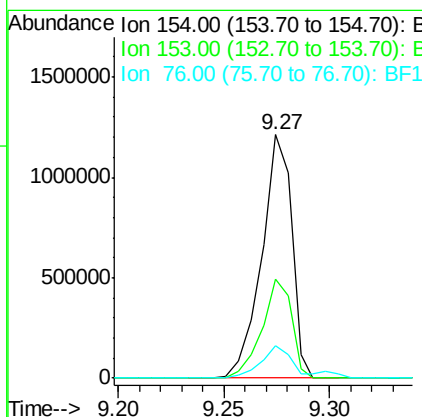
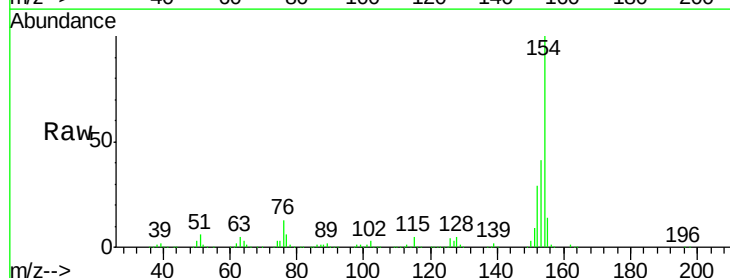
Manual Integrations
APPROVED

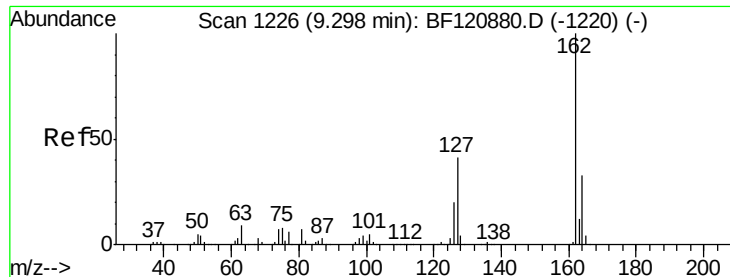
mohammad
7/17/2020 12:30:16 PM



#46
1,1'-Biphenyl
Concen: 47.009 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.4	60.4
76	13.3	0.0	33.1





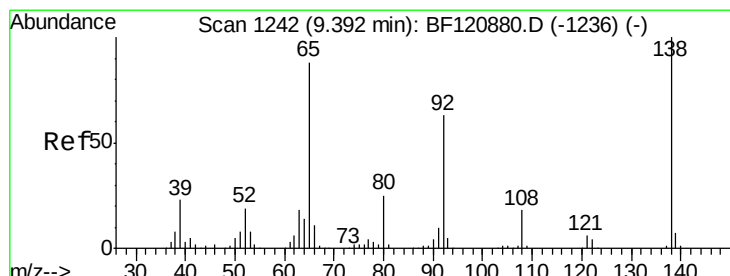
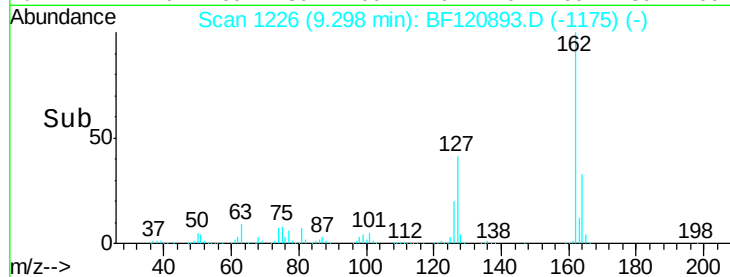
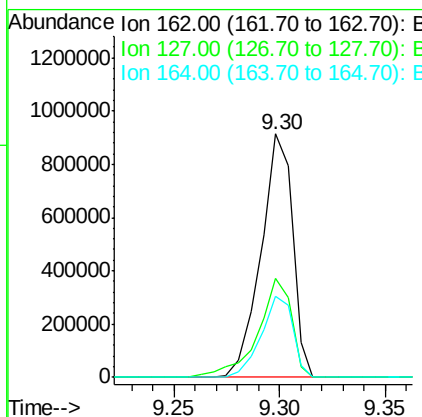
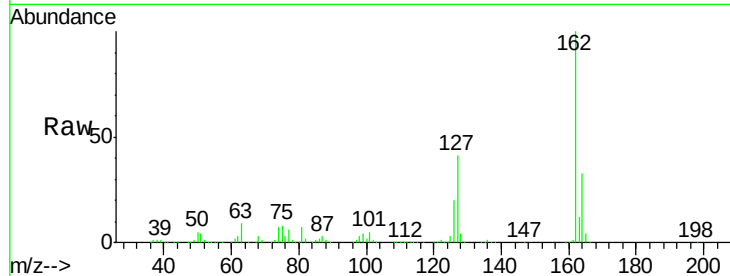
#47
 2-Chloronaphthalene
 Concen: 45.576 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Tot Ion:	162	Resp:	949767
Ion Ratio	Lower	Upper	
162	100		
127	40.6	33.3	49.9
164	33.2	26.6	39.8

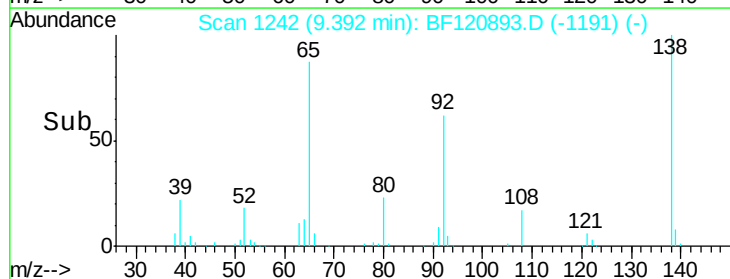
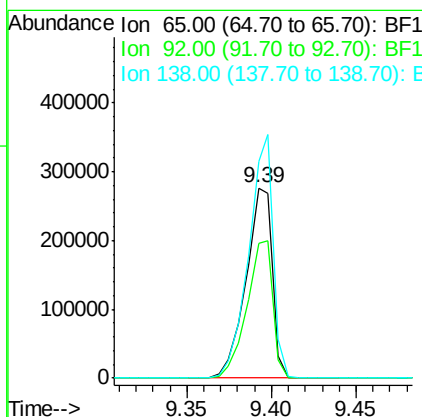
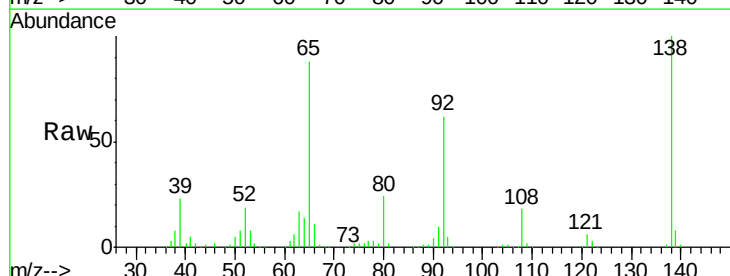
Manual Integrations
 APPROVED

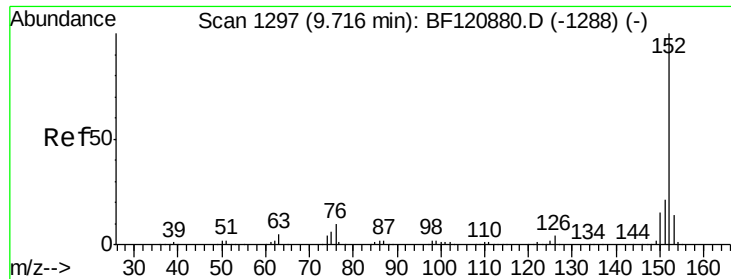
mohammad
 7/17/2020 12:30:16 PM



#48
 2-Nitroaniline
 Concen: 47.995 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion:	65	Resp:	302259
Ion Ratio	Lower	Upper	
65	100		
92	71.1	57.0	85.4
138	114.1	90.4	135.6





#49

Acenaphthylene

Concen: 47.086 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

SU-03-071420MSD

Tot Ion:152 Resp: 1524365

Ion Ratio Lower Upper

152 100

151 20.5 16.6 25.0

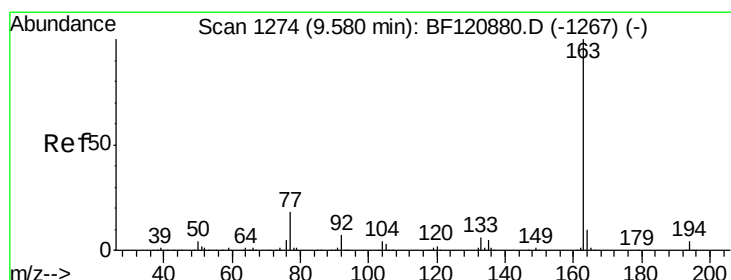
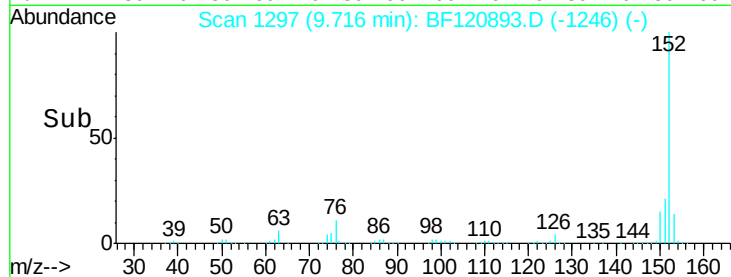
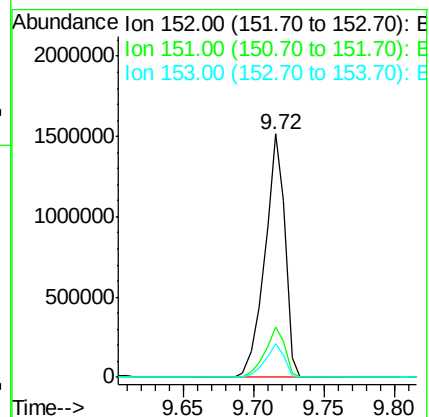
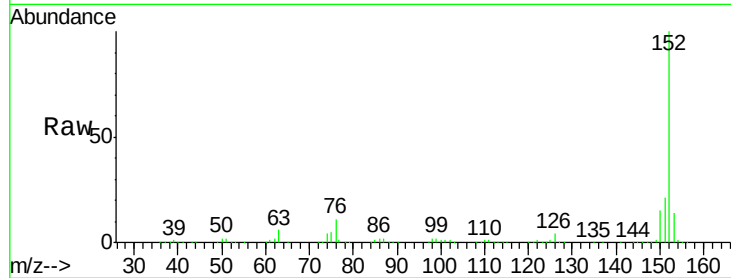
153 13.6 10.9 16.3

Manual Integrations

APPROVED

mohammad

7/17/2020 12:30:16 PM



#50

Dimethylphthalate

Concen: 48.298 ng

RT: 9.58 min Scan# 1274

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

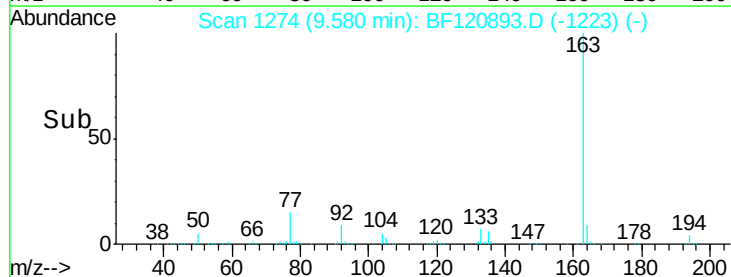
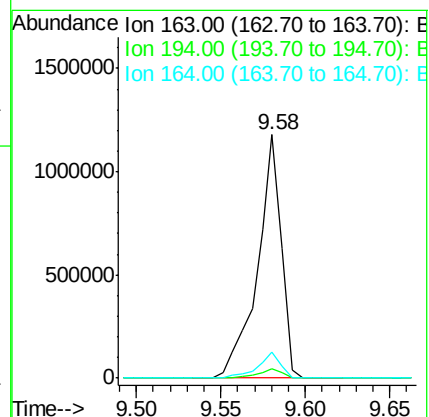
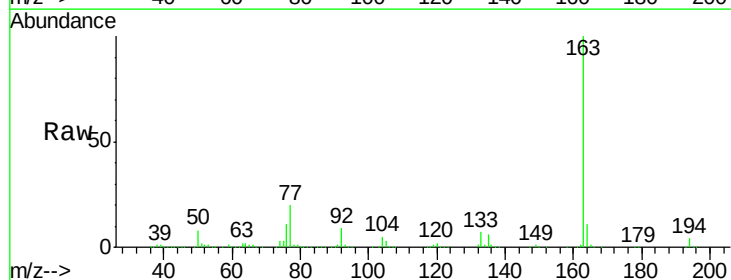
Tgt Ion:163 Resp: 1167558

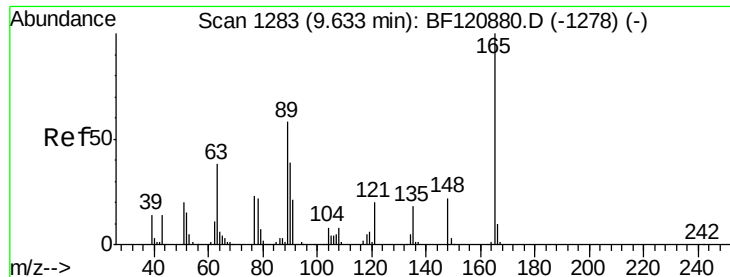
Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 10.5 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 50.786 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

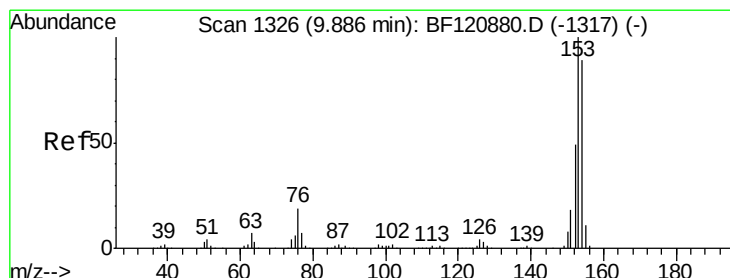
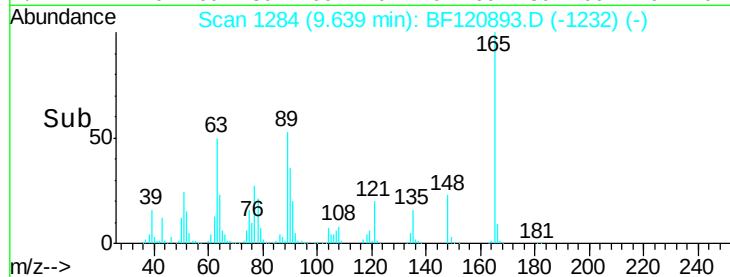
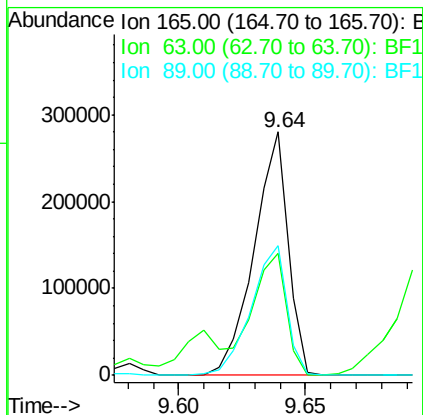
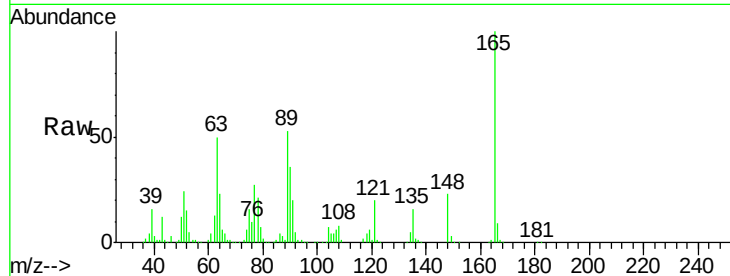
ClientSampleId :

SU-03-071420MSD

Tot Ion:	165	Resp:	263757
Ion Ratio	Lower	Upper	
165	100		
63	50.3	45.4	68.2
89	53.4	47.0	70.4

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



#52

Acenaphthene

Concen: 51.738 ng m

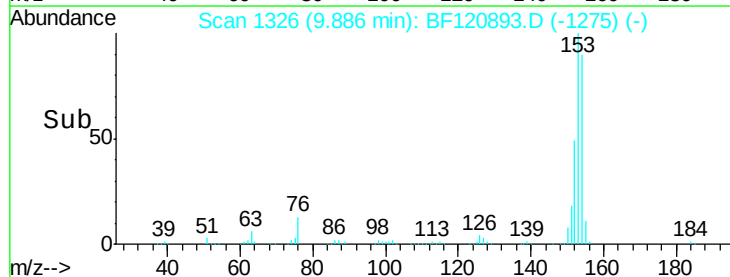
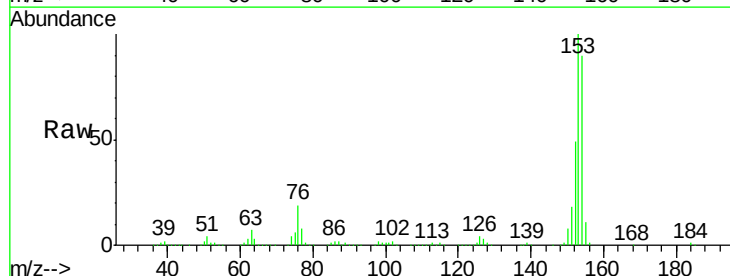
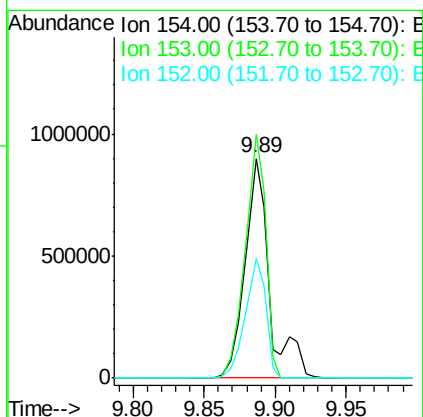
RT: 9.89 min Scan# 1326

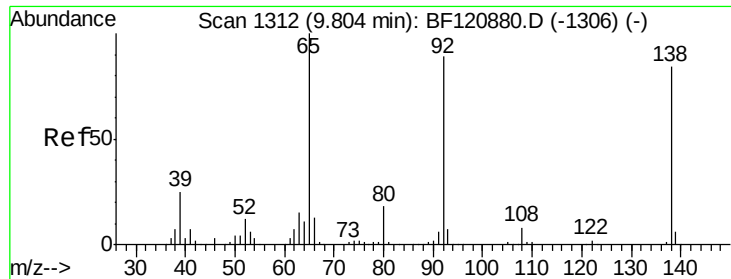
Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Tgt Ion:	154	Resp:	1064891
Ion Ratio	Lower	Upper	
154	100		
153	111.0	89.5	134.3
152	54.2	44.2	66.2





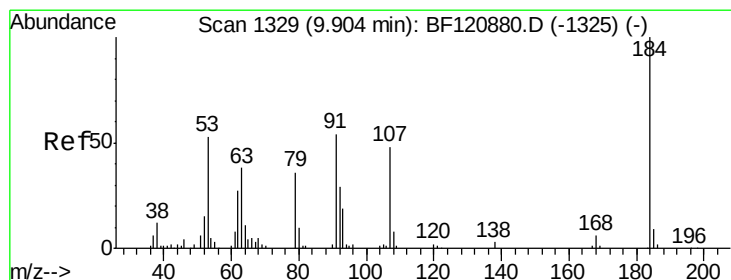
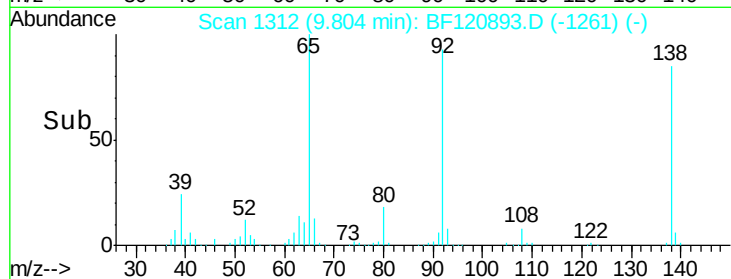
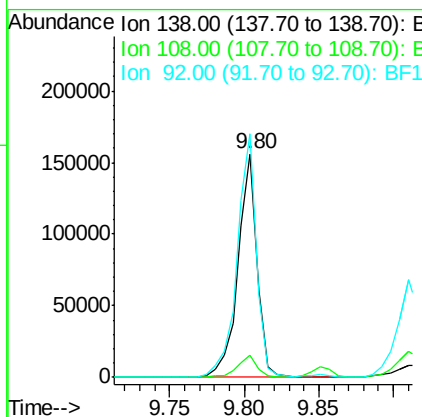
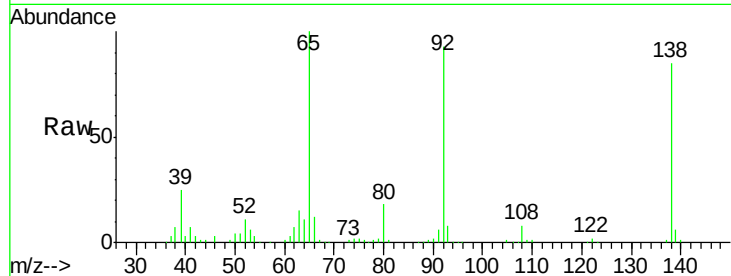
#53
3-Nitroaniline
Concen: 21.439 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.9	11.9
92	108.8	85.3	127.9

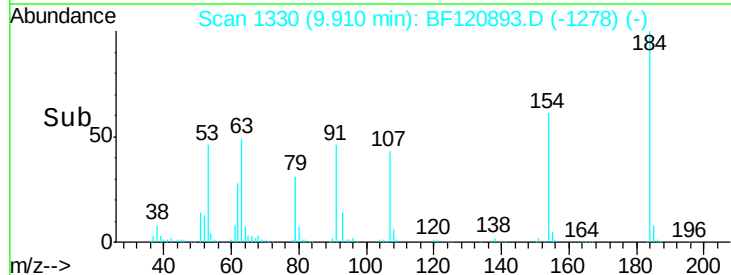
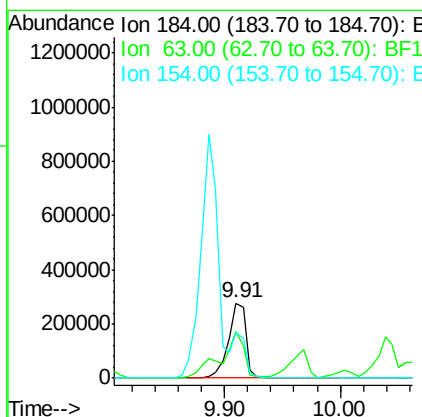
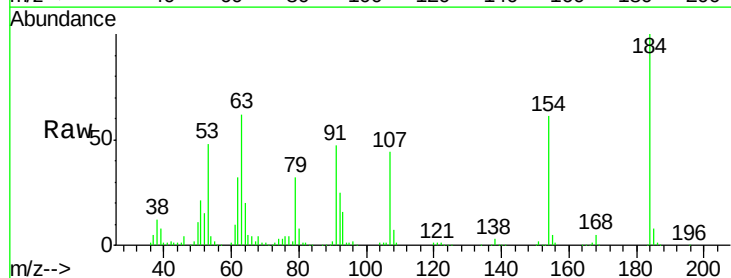
Manual Integrations
APPROVED

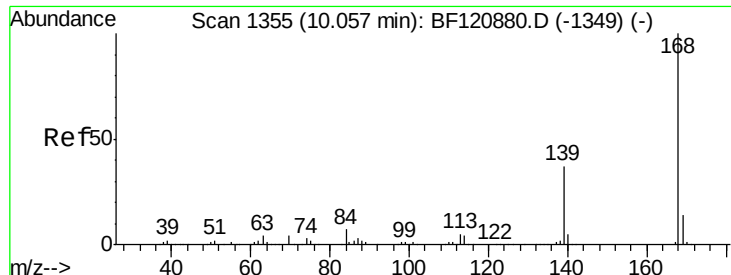
mohammad
7/17/2020 12:30:16 PM



#54
2,4-Dinitrophenol
Concen: 96.258 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.5	57.9	86.9
154	60.9	52.6	78.8





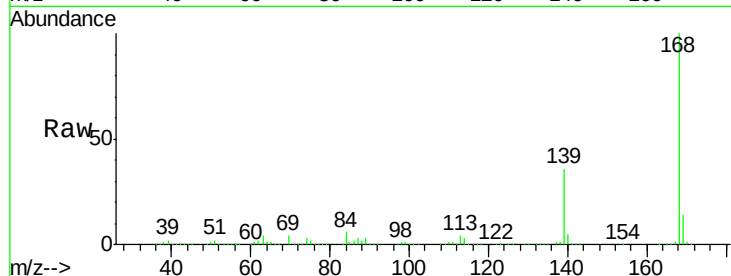
#55
Dibenzenofuran
Concen: 45.995 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

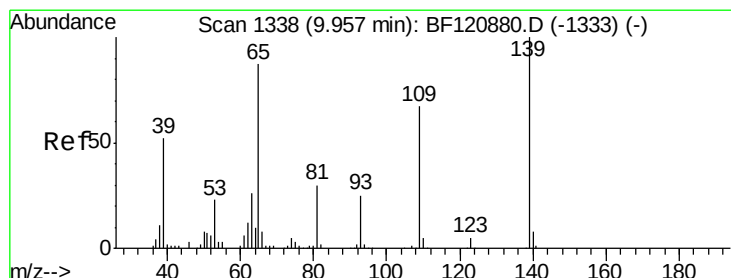
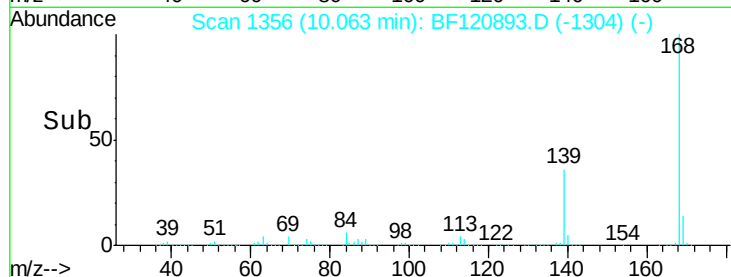
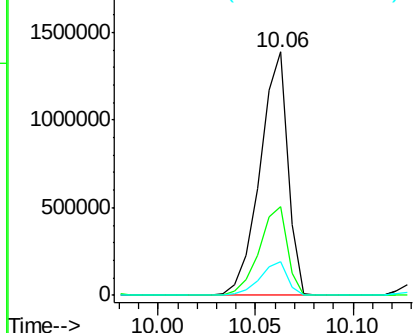
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.7	44.5
169	13.9	11.1	16.7

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



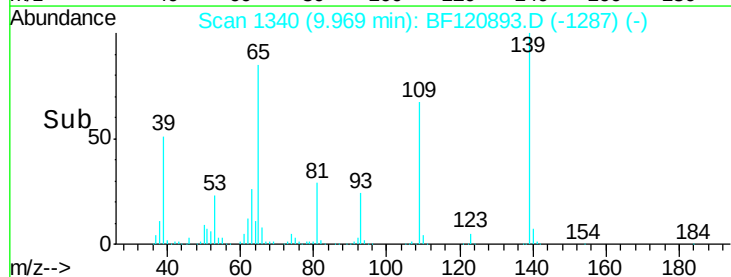
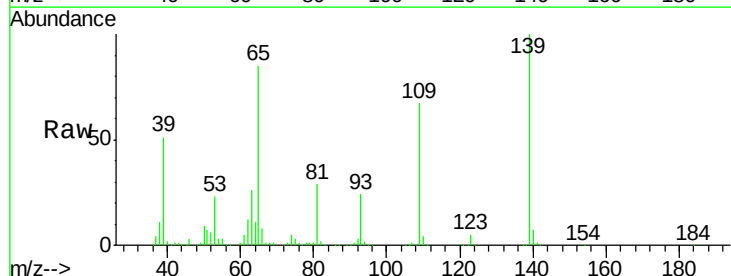
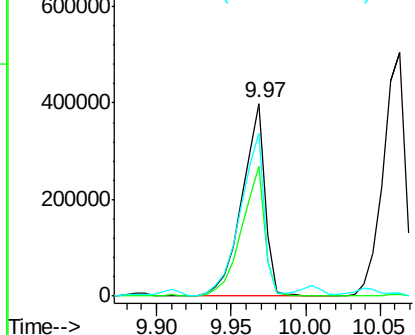
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

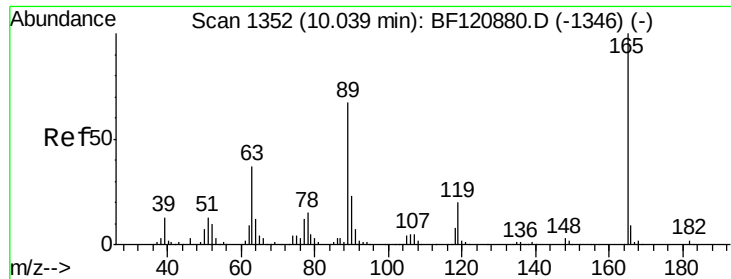


#56
4-Nitrophenol
Concen: 85.811 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.4	47.3	87.3
65	84.7	67.2	107.2

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





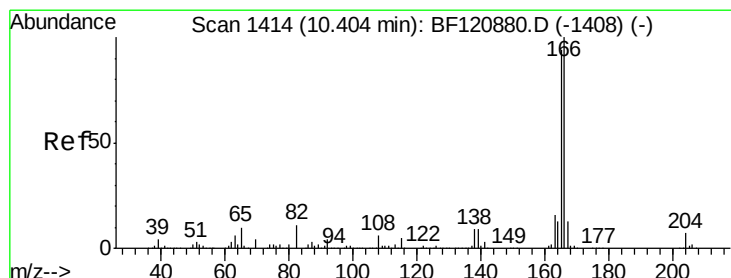
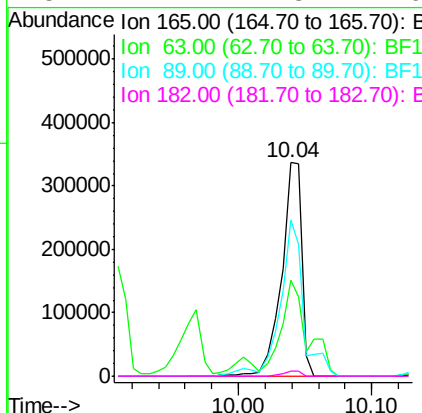
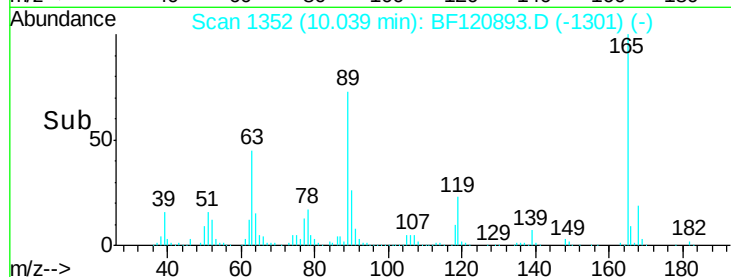
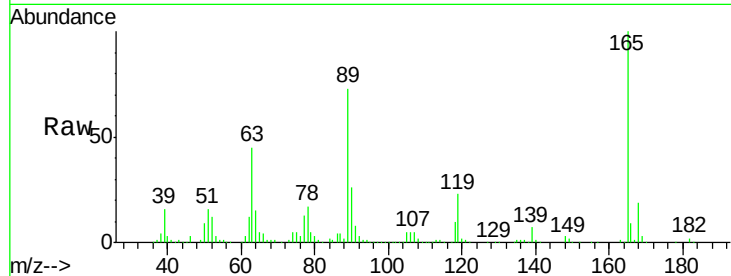
#57
2,4-Dinitrotoluene
Concen: 52.709 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	44.8	29.4	44.2#
89	73.3	53.4	80.0
182	2.4	1.8	2.6

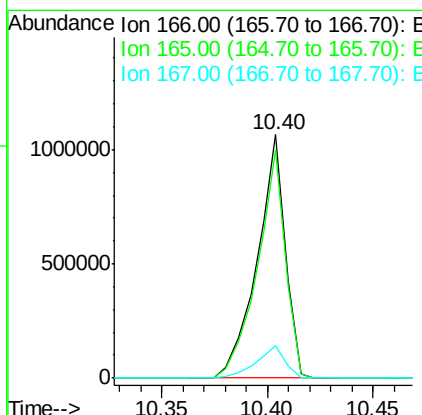
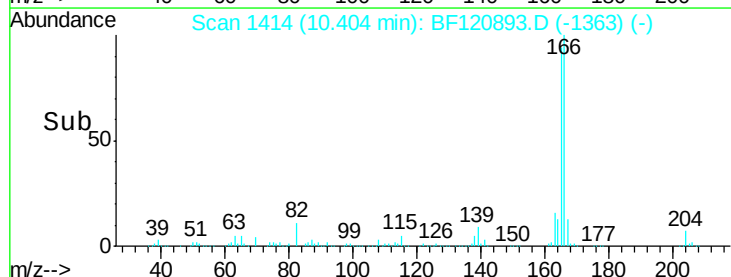
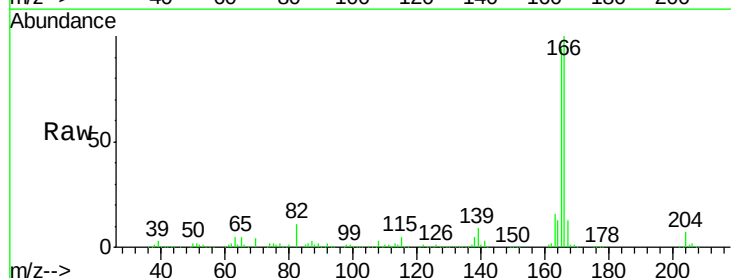
Manual Integrations
APPROVED

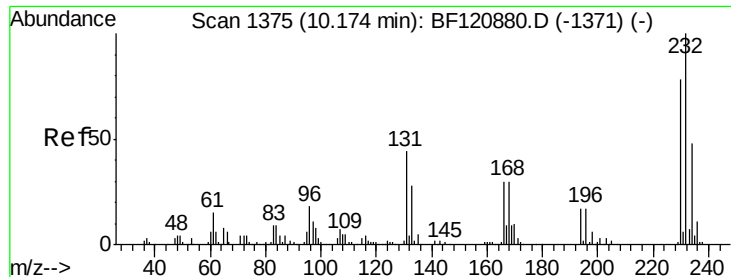
mohammad
7/17/2020 12:30:16 PM



#58
Fluorene
Concen: 44.279 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	94.0	75.4	113.0
167	13.5	10.6	15.8





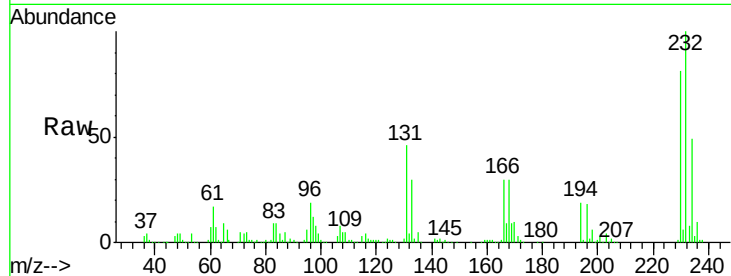
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.985 ng
RT: 10.17 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

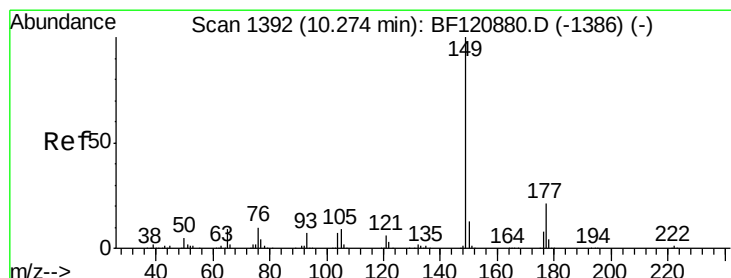
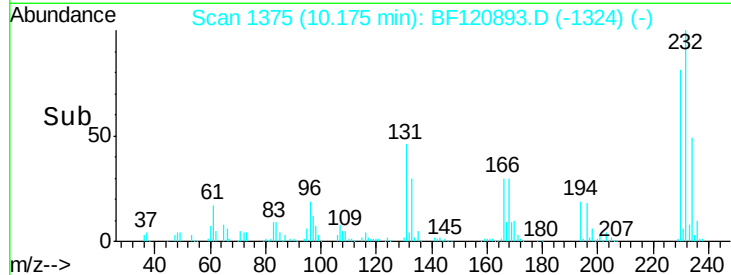
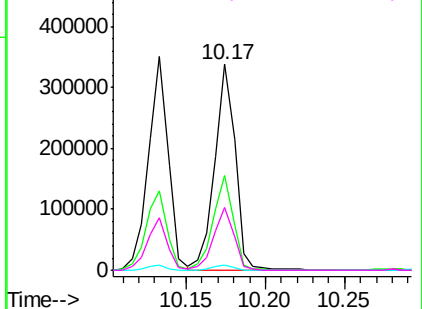
Tot Ion	Ratio	Resp	Lower	Upper
232	100	302679		
131	45.7		37.1	55.7
130	2.3		1.7	2.5
166	30.3		24.2	36.4

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM

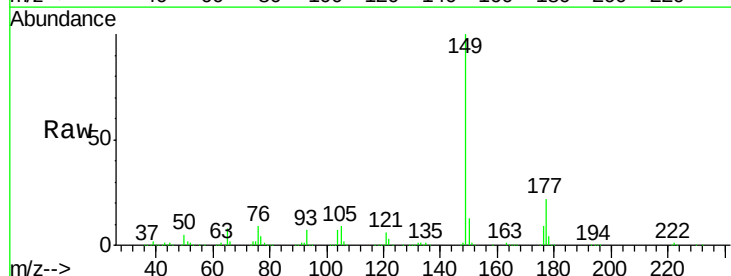


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

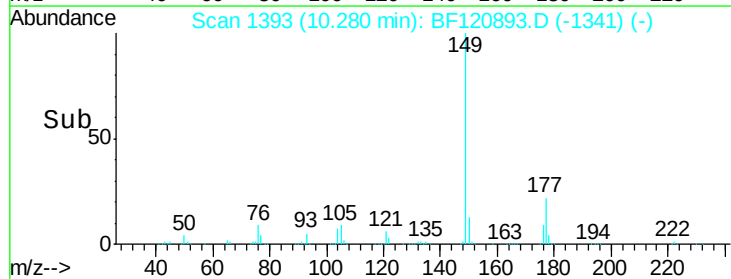
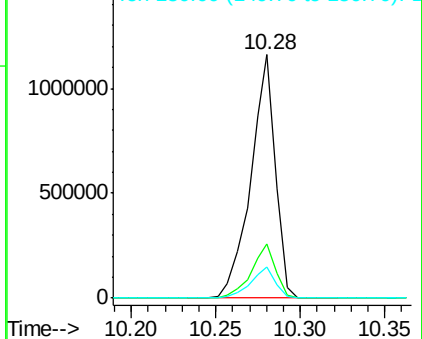


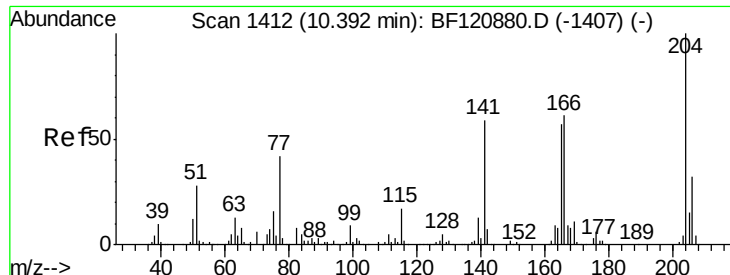
#60
Diethylphthalate
Concen: 48.197 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1178475		
177	22.0		17.1	25.7
150	12.7		10.3	15.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





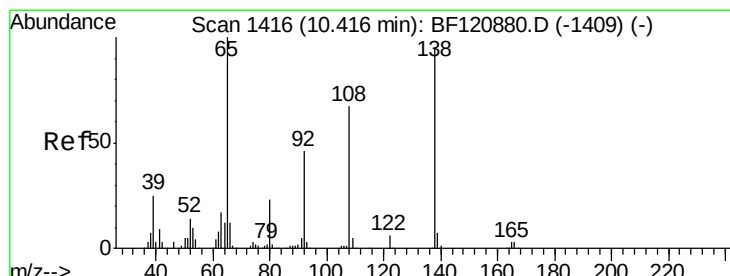
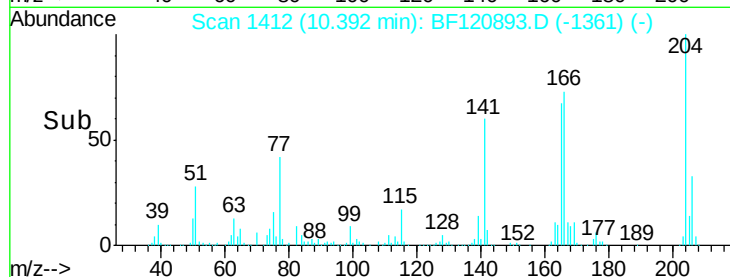
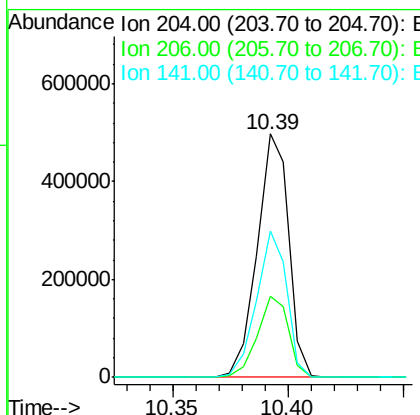
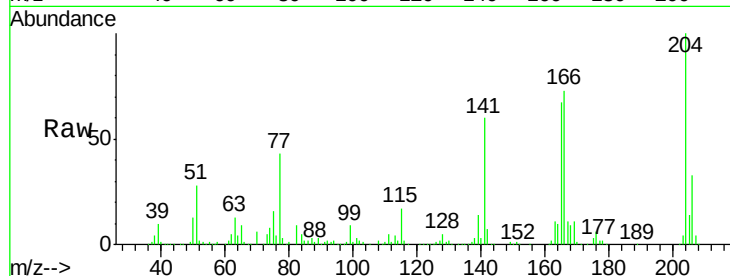
#61
 4-Chlorophenyl-phenylether
 Concen: 39.918 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.9	38.9
141	60.0	47.2	70.8

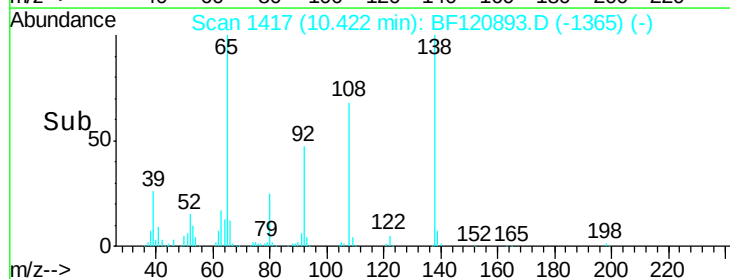
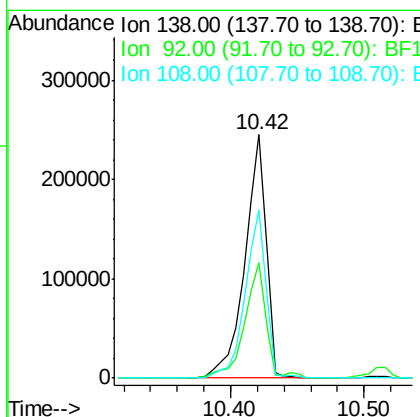
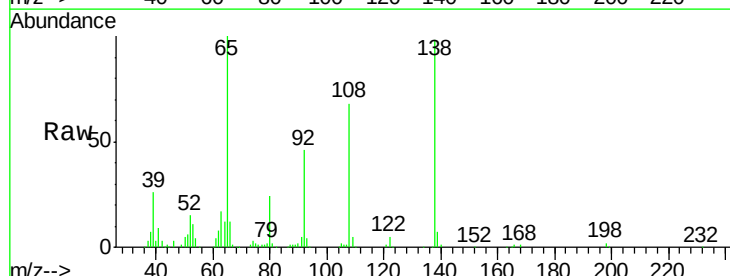
Manual Integrations
 APPROVED

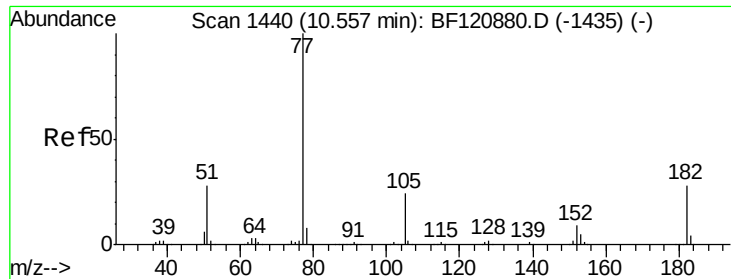
mohammad
 7/17/2020 12:30:16 PM



#62
 4-Nitroaniline
 Concen: 42.223 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.3	28.6	68.6
108	69.3	51.1	91.1





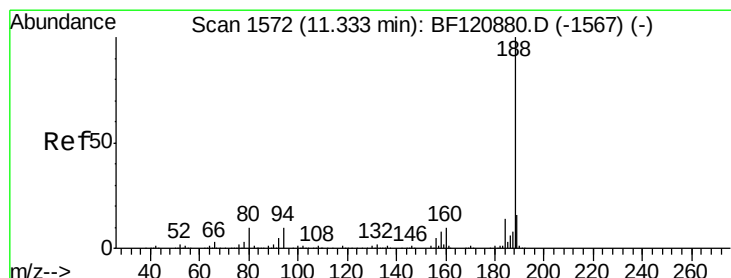
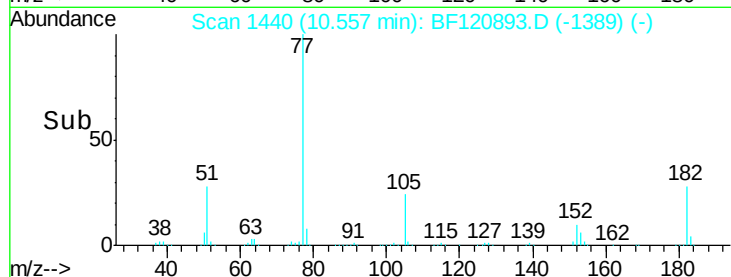
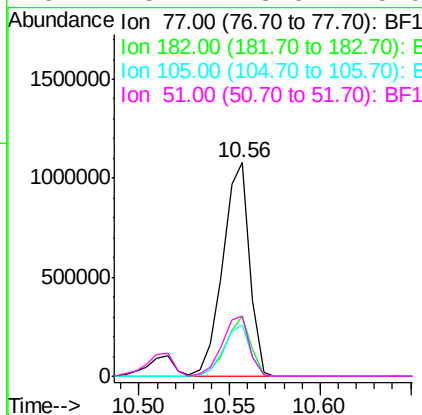
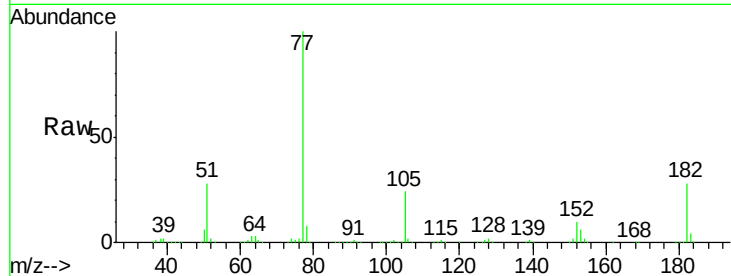
#63
Azobenzene
Concen: 47.427 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	28.1	7.8	47.8	
105	24.2	4.4	44.4	
51	28.4	8.0	48.0	

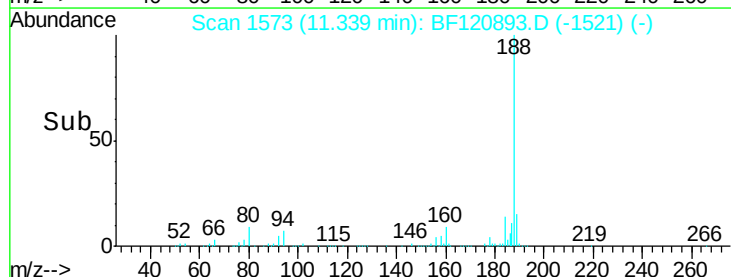
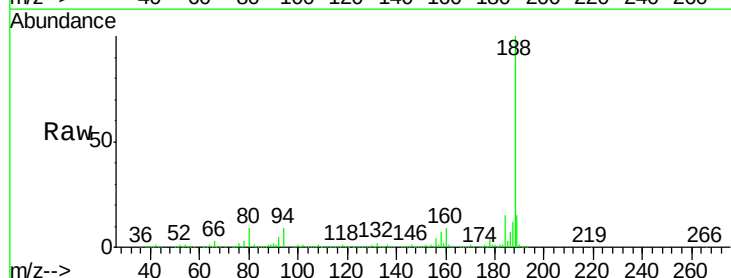
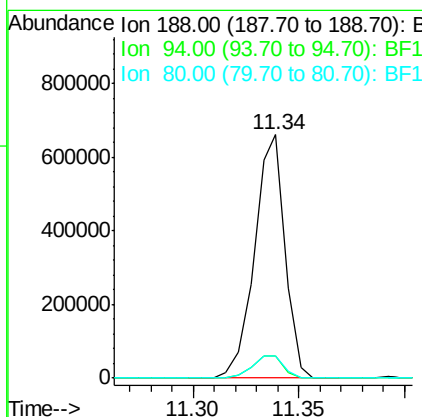
Manual Integrations
APPROVED

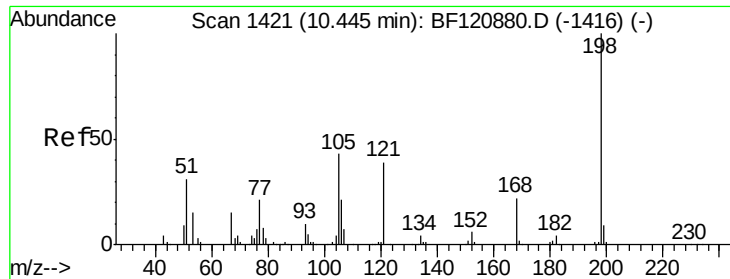
mohammad
7/17/2020 12:30:16 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.8	8.0	12.0	
80	9.1	8.3	12.5	





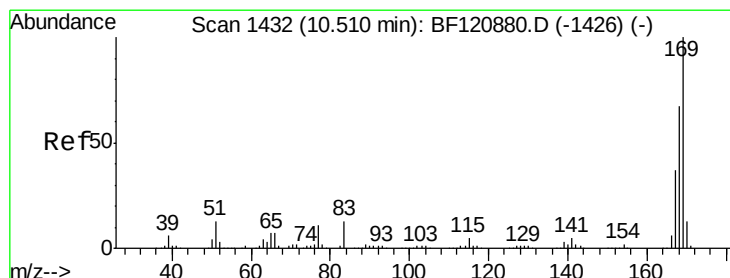
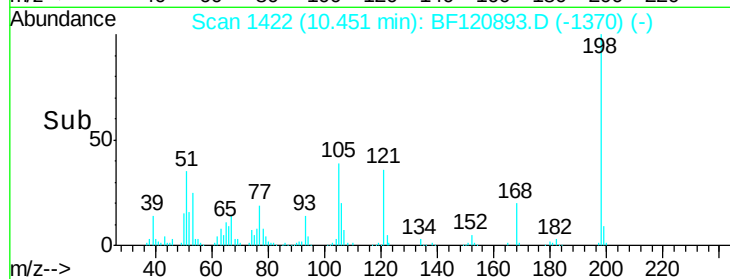
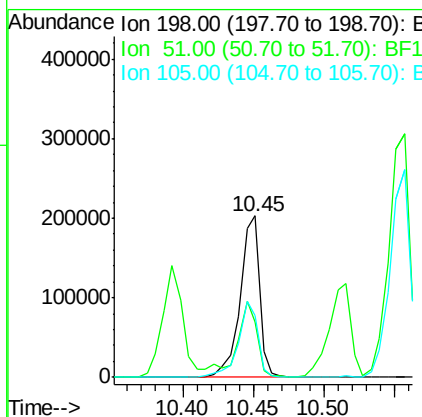
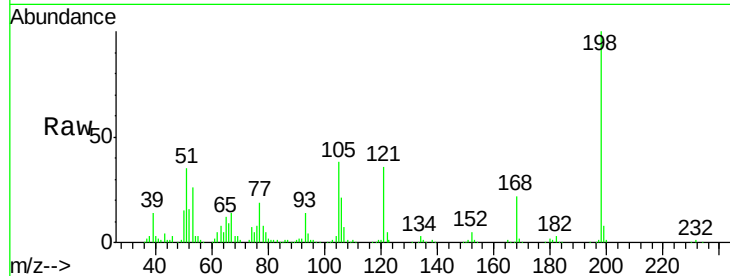
#65
4,6-Dinitro-2-methylphenol
Concen: 50.897 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	195954		
51	34.7	19.5	59.5	
105	38.4	24.4	64.4	

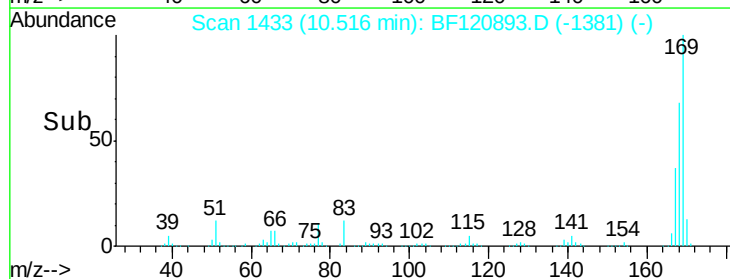
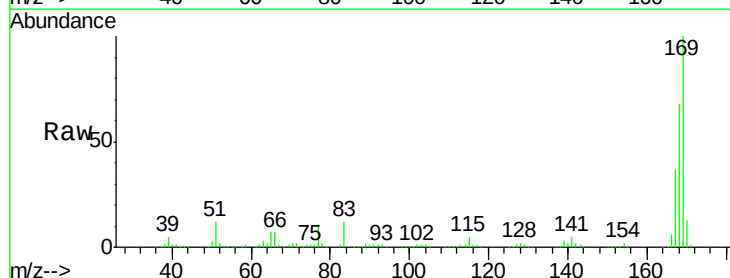
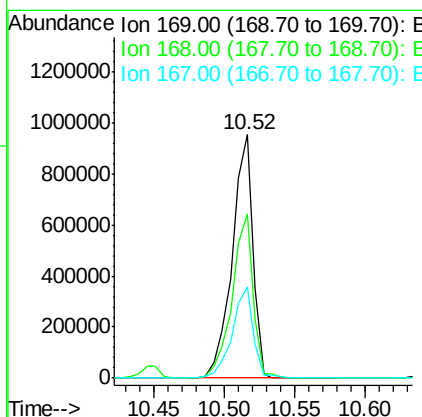
Manual Integrations
APPROVED

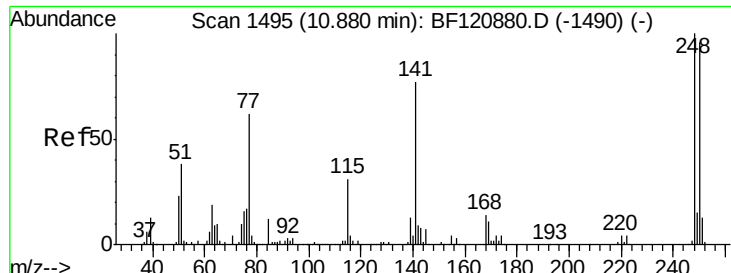
mohammad
7/17/2020 12:30:16 PM



#66
n-Nitrosodiphenylamine
Concen: 46.730 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	973077		
168	67.5	53.4	80.0	
167	37.4	29.4	44.0	





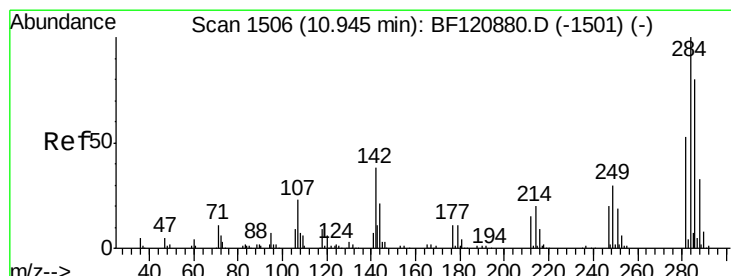
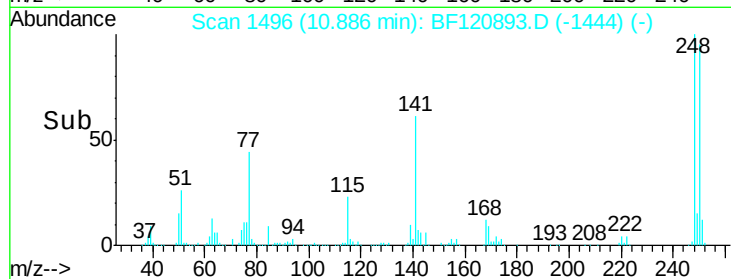
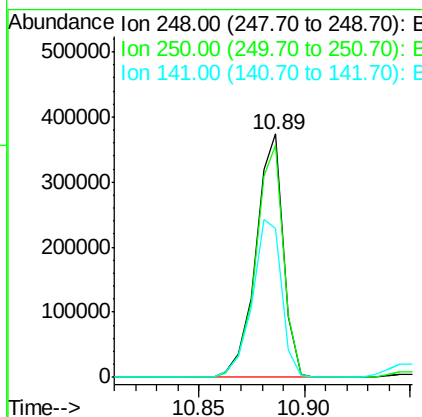
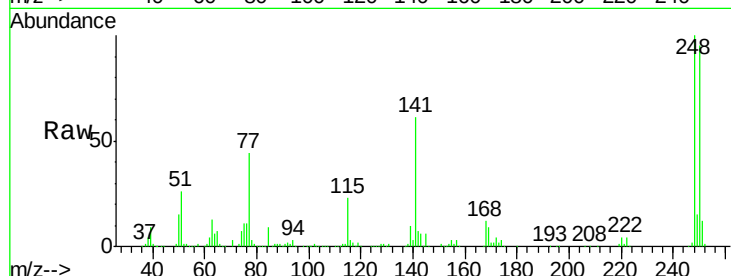
#67
 4-Bromophenyl-phenylether
 Concen: 45.673 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.4	77.1	115.7
141	61.2	61.2	91.8

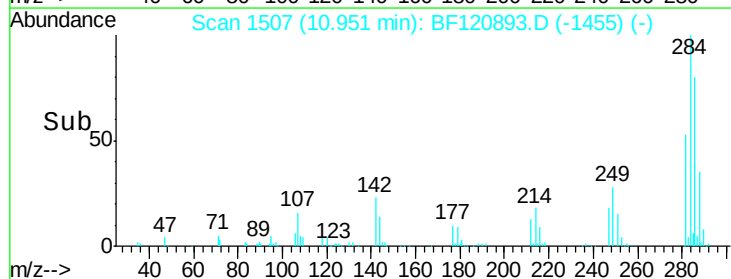
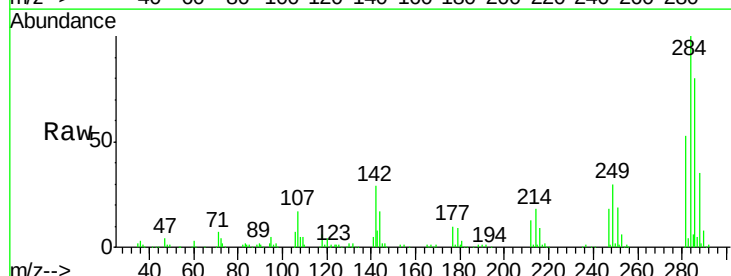
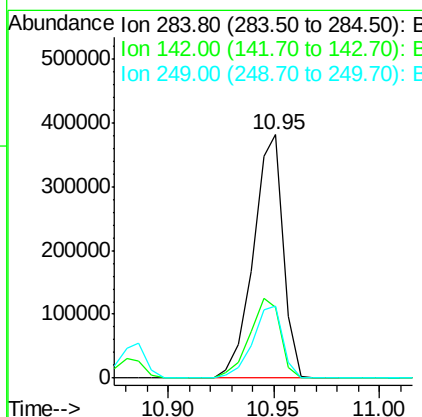
Manual Integrations
 APPROVED

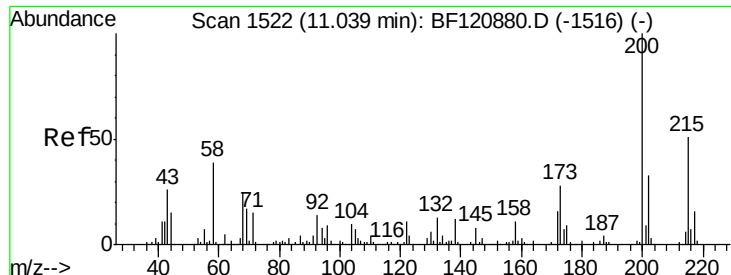
mohammad
 7/17/2020 12:30:16 PM



#68
 Hexachlorobenzene
 Concen: 47.062 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.0	30.2	45.2#
249	29.7	24.2	36.2





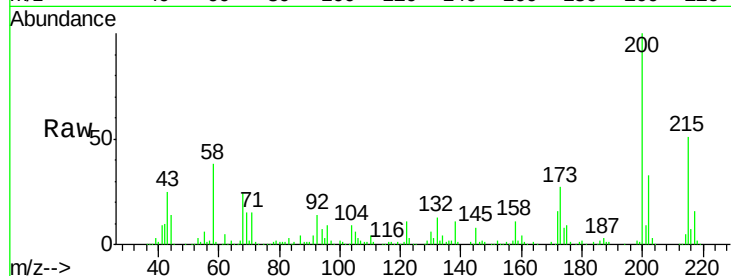
#69
Atrazine
Concen: 54.199 ng
RT: 11.05 min Scan# 1523
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

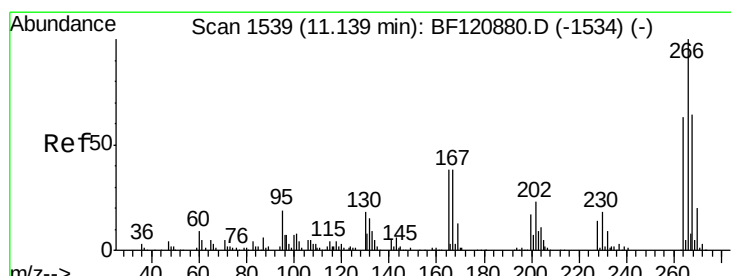
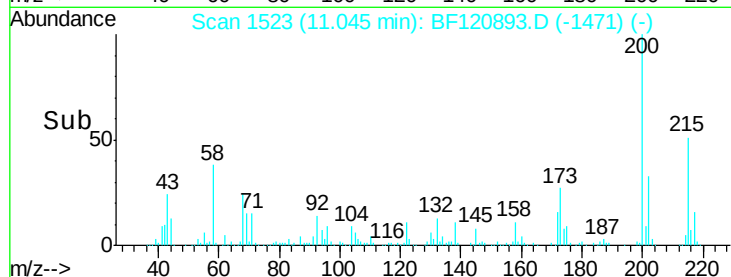
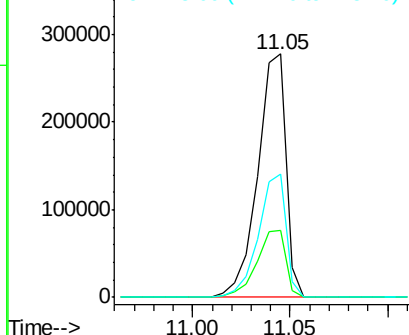
Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.5	8.0	48.0
215	50.6	31.5	71.5

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM

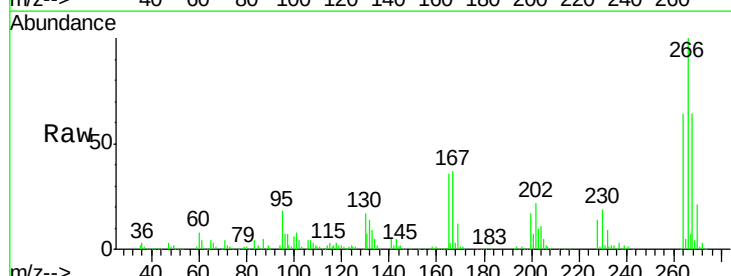


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

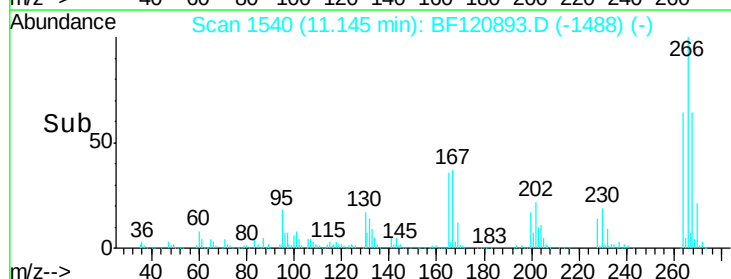
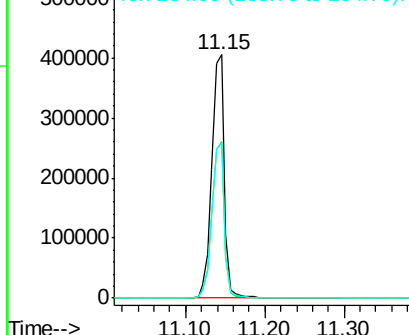


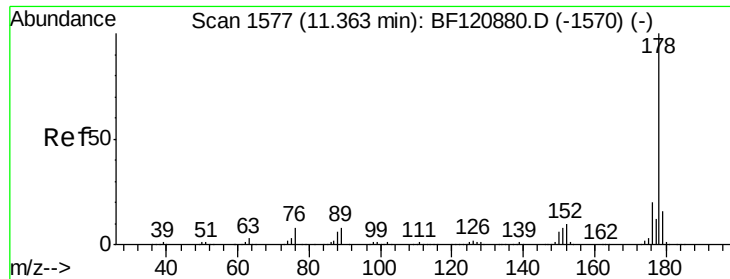
#70
Pentachlorophenol
Concen: 97.207 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.2	51.1	76.7
264	63.8	50.2	75.2



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





#71

Phenanthrene

Concen: 45.426 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

SU-03-071420MSD

Tot Ion:178 Resp: 1546484

Ion Ratio Lower Upper

178 100

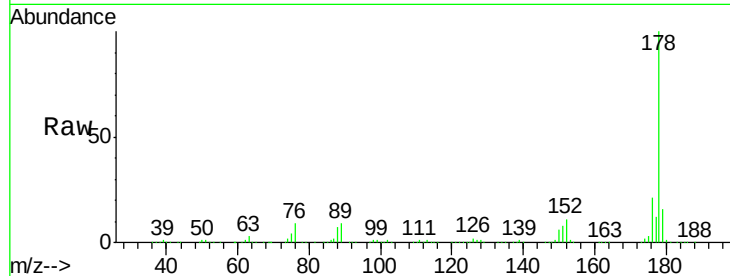
176 20.9 16.2 24.4

179 16.1 12.8 19.2

Manual Integrations
APPROVED

mohammad

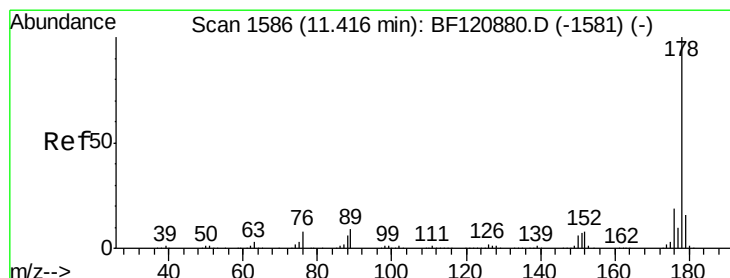
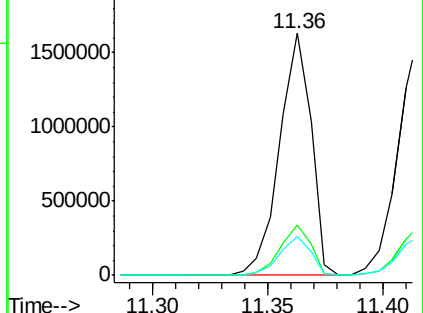
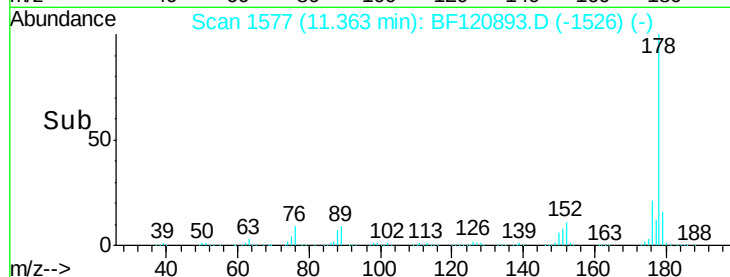
7/17/2020 12:30:16 PM



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: 46.971 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

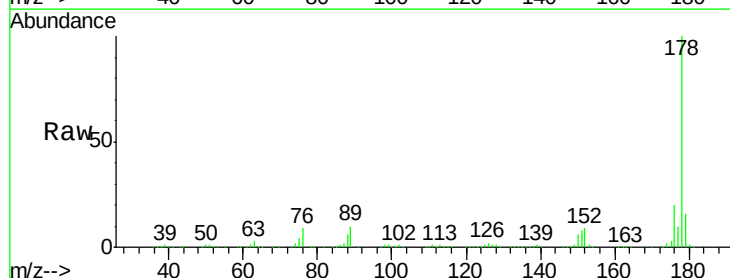
Tgt Ion:178 Resp: 1605680

Ion Ratio Lower Upper

178 100

176 20.1 15.5 23.3

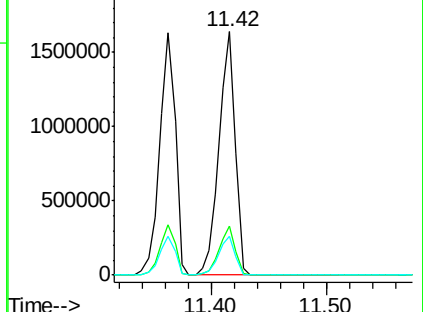
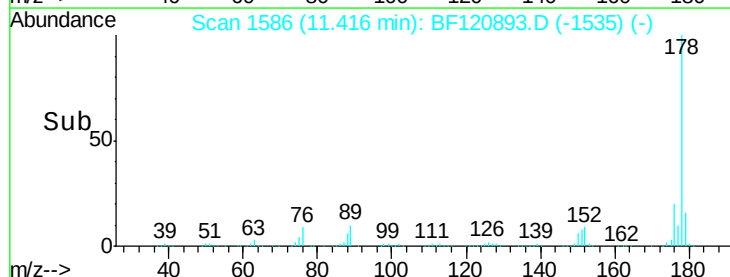
179 16.2 12.8 19.2

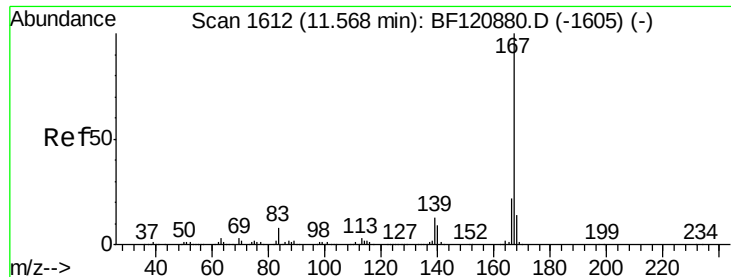


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





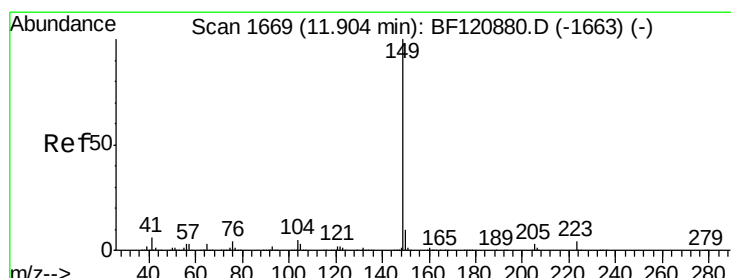
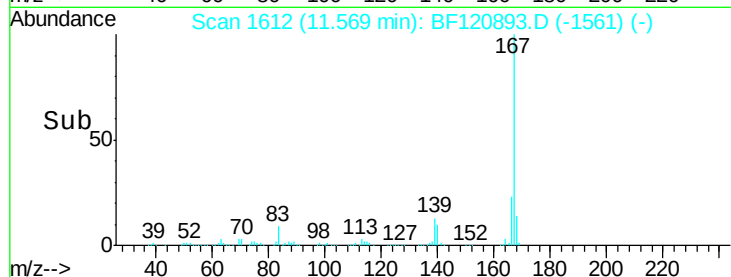
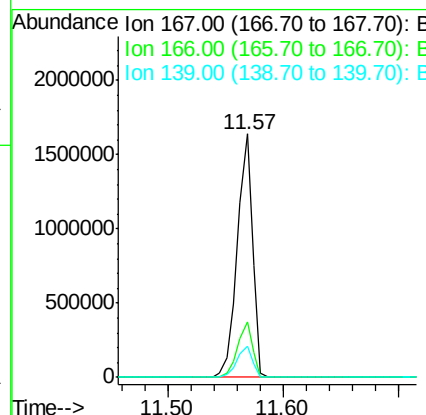
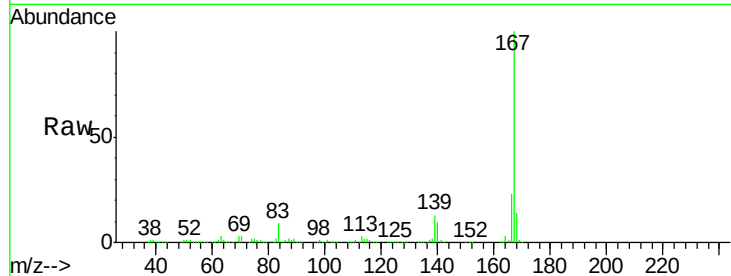
#73
 Carbazole
 Concen: 44.632 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

Tot Ion:167 Resp: 1514134
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.7 26.5
 139 12.9 10.1 15.1

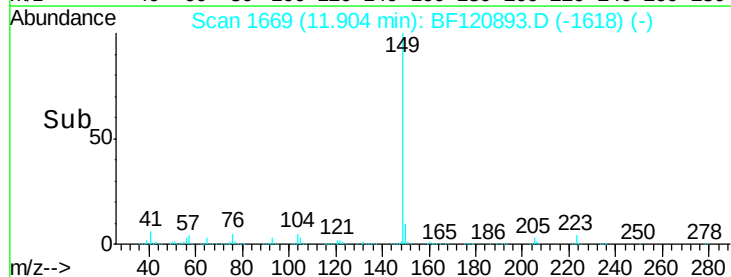
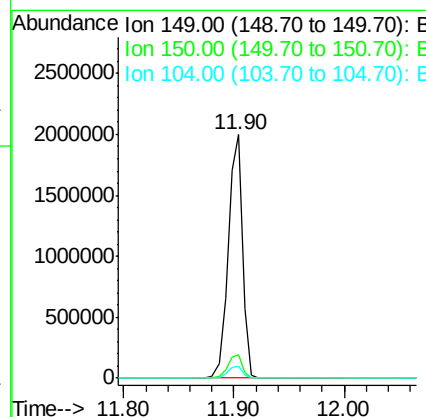
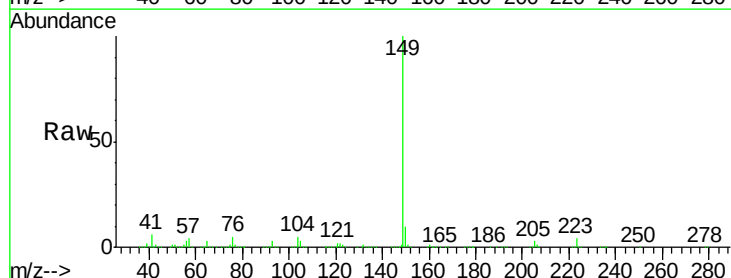
Manual Integrations
 APPROVED

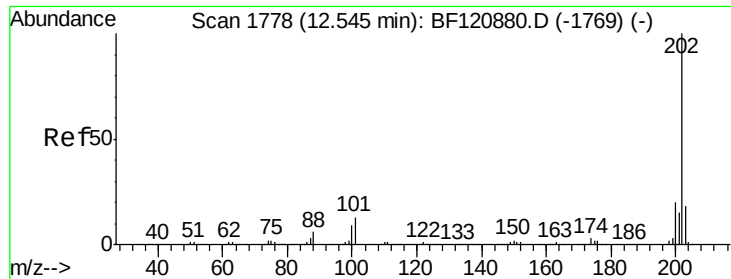
mohammad
 7/17/2020 12:30:16 PM



#74
 Di-n-butylphthalate
 Concen: 45.962 ng
 RT: 11.90 min Scan# 1669
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion:149 Resp: 1799403
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.8 11.6
 104 4.9 3.8 5.6





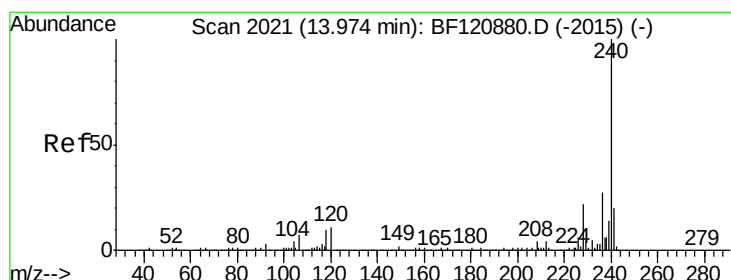
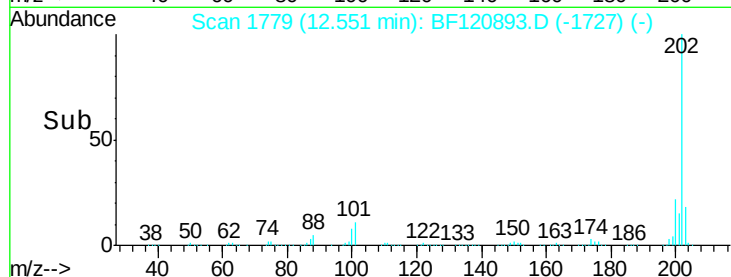
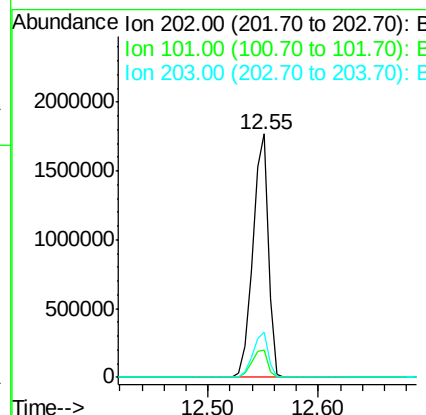
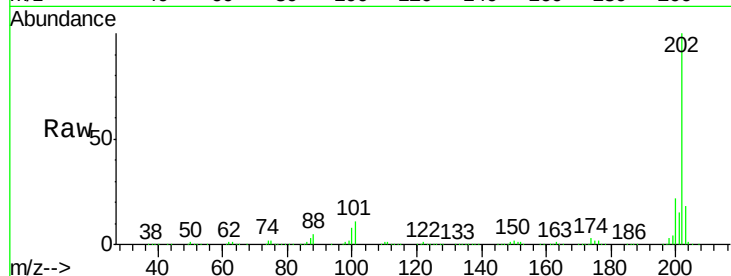
#75
Fluoranthene
Concen: 46.135 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.7
203	18.4	0.0	38.0

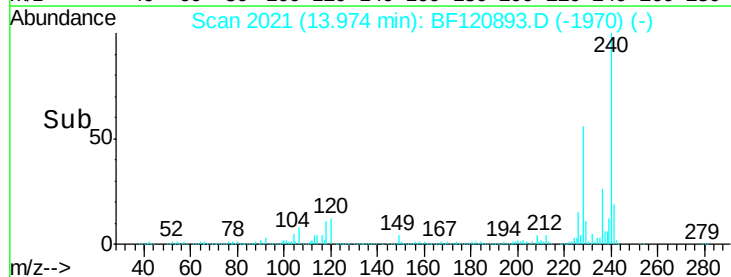
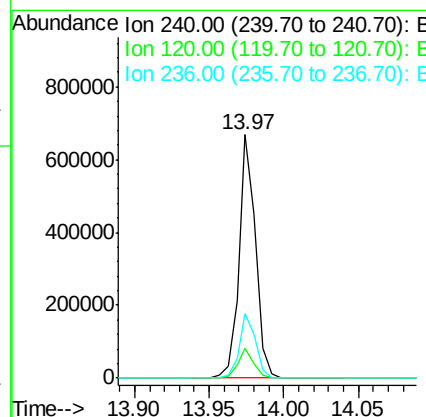
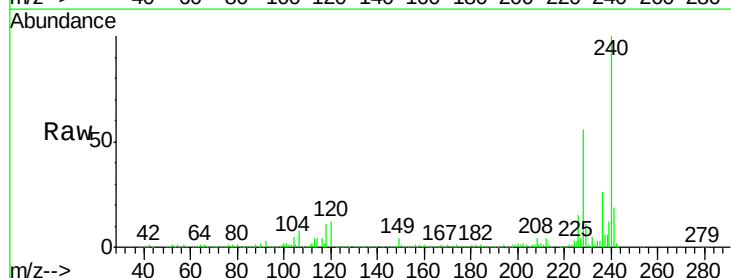
Manual Integrations
APPROVED

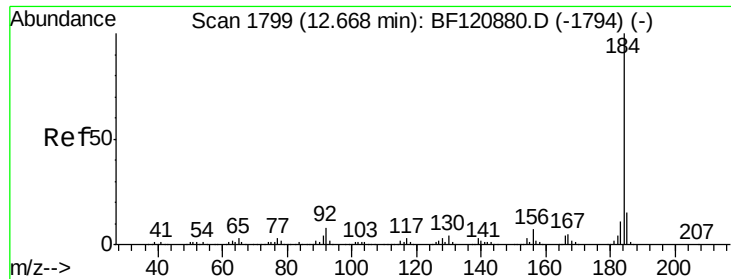
mohammad
7/17/2020 12:30:16 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.0	13.4
236	26.5	21.7	32.5





#77

Benzidine

Concen: 3.821 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

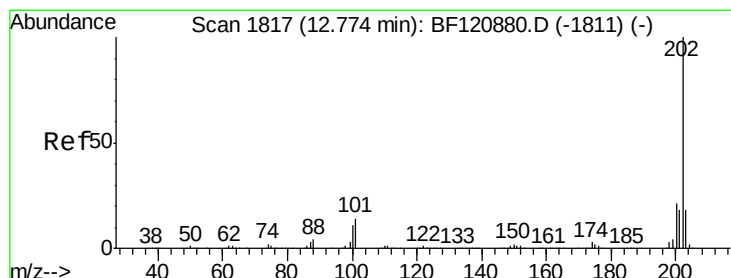
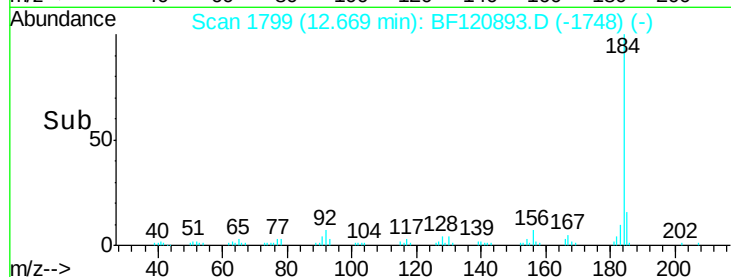
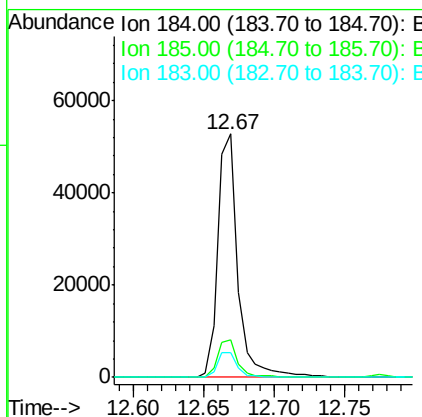
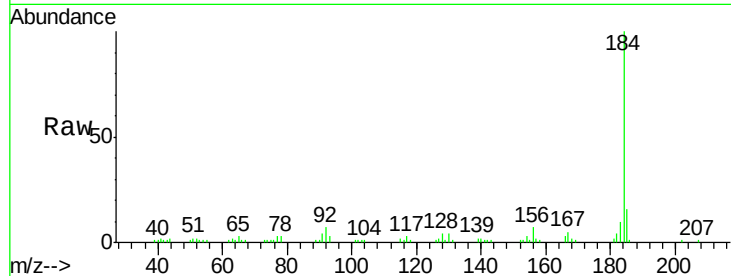
ClientSampleId :

SU-03-071420MSD

Tot Ion:	184	Resp:	52207
Ion Ratio	Lower	Upper	
184	100		
185	15.5	12.2	18.2
183	10.1	8.5	12.7

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



#78

Pyrene

Concen: 48.246 ng

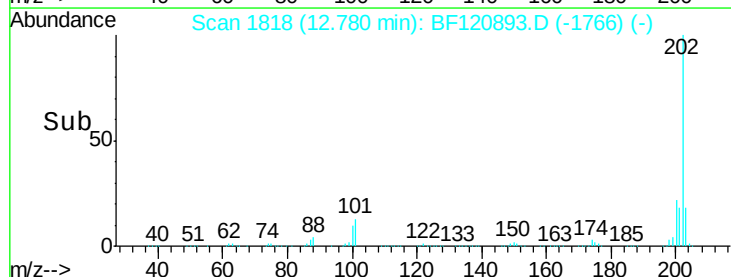
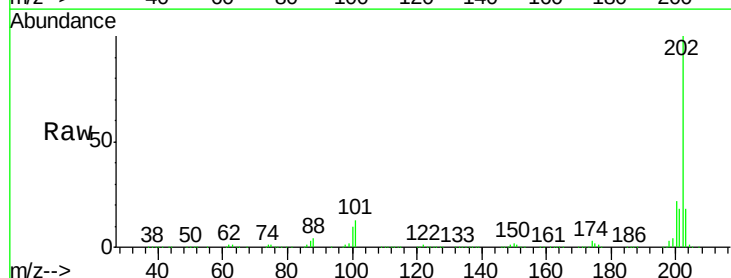
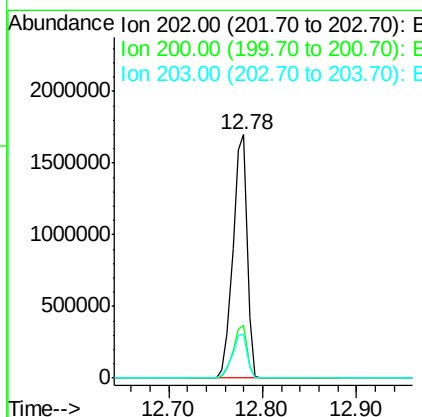
RT: 12.78 min Scan# 1818

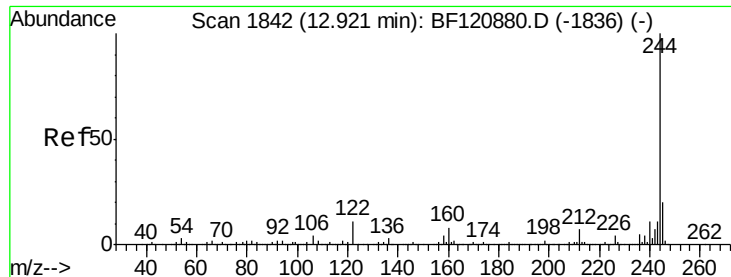
Delta R.T. 0.01 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Tgt Ion:	202	Resp:	1772582
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.0	25.4
203	18.2	14.4	21.6





#79

Terphenyl-d14

Concen: 70.855 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

SU-03-071420MSD

Tot Ion:244 Resp: 1693880

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

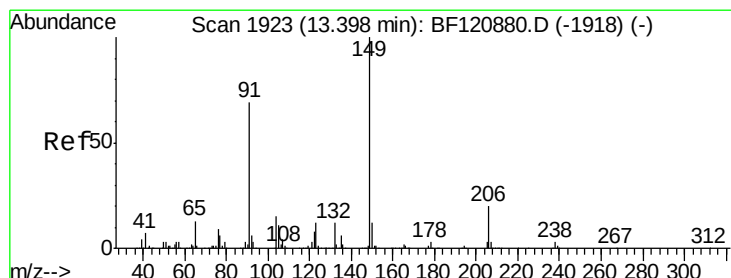
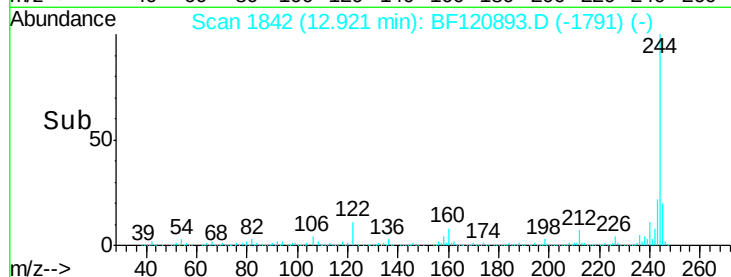
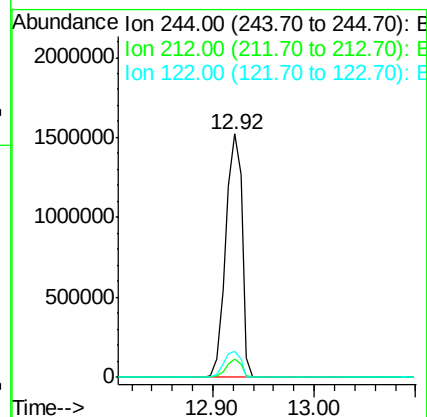
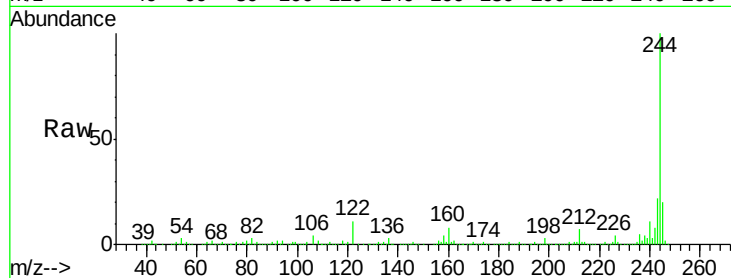
122 10.7 8.9 13.3

Manual Integrations

APPROVED

mohammad

7/17/2020 12:30:16 PM



#80

Butylbenzylphthalate

Concen: 50.144 ng

RT: 13.40 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

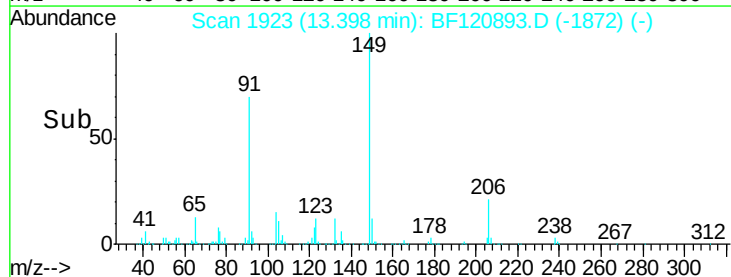
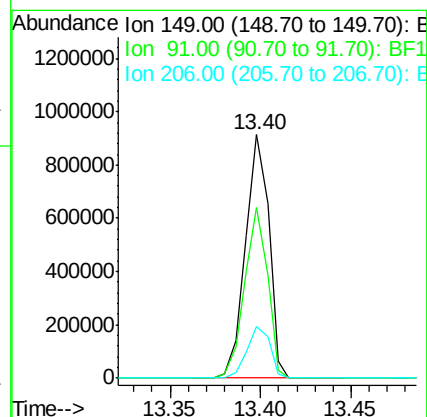
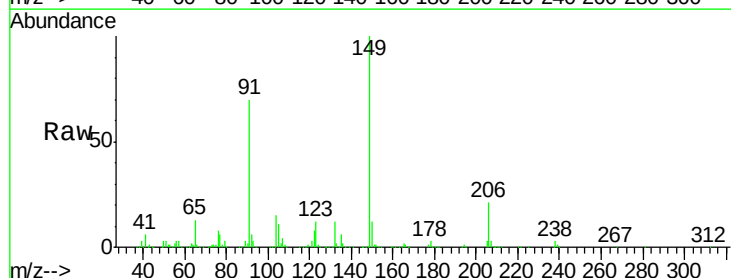
Tgt Ion:149 Resp: 821282

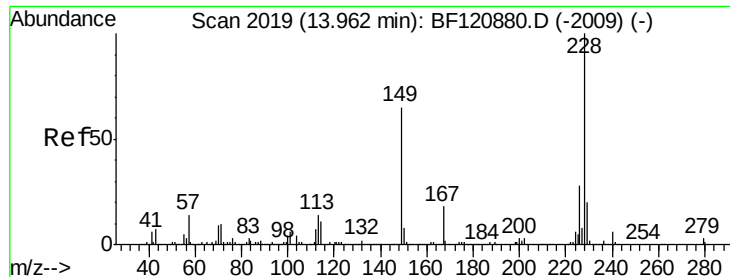
Ion Ratio Lower Upper

149 100

91 70.2 55.1 82.7

206 21.0 16.1 24.1





#81

Benzo(a)anthracene

Concen: 43.769 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

Instrument :

BNA_F

ClientSampleId :

SU-03-071420MSD

Tot Ion:228 Resp: 1377335

Ion Ratio Lower Upper

228 100

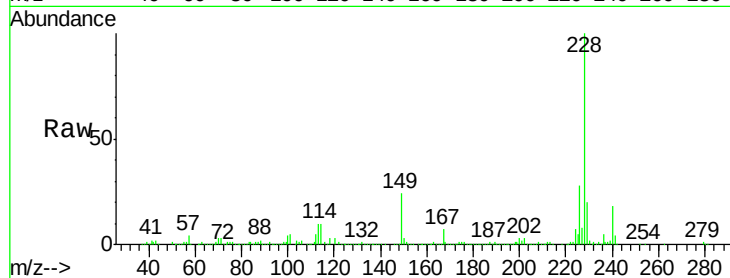
226 28.1 22.3 33.5

229 19.8 16.1 24.1

Manual Integrations
APPROVED

mohammad

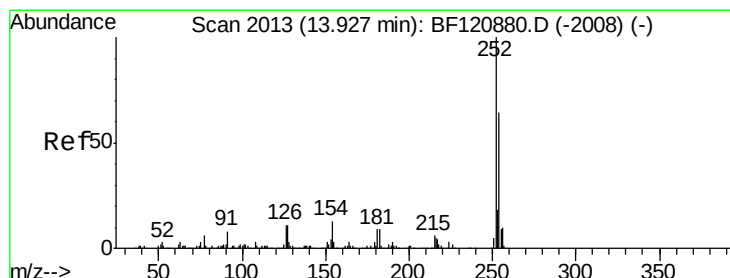
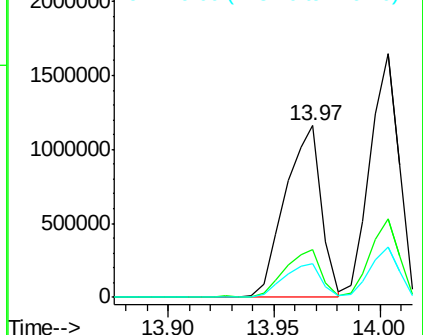
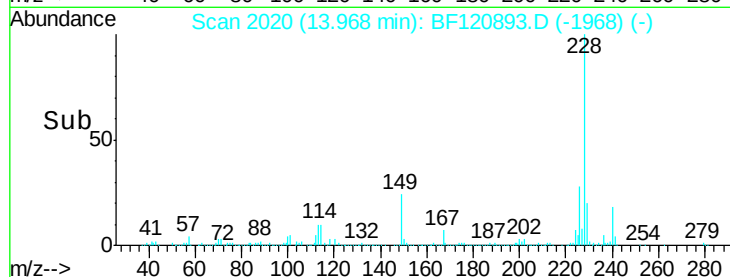
7/17/2020 12:30:16 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.054 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF120893.D

Acq: 16 Jul 2020 18:57

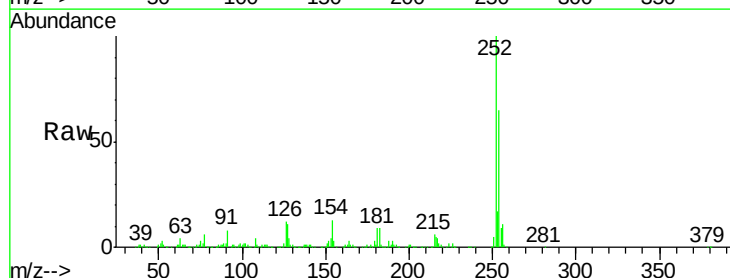
Tgt Ion:252 Resp: 344933

Ion Ratio Lower Upper

252 100

254 64.9 51.2 76.8

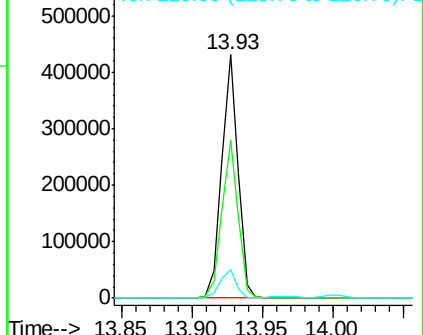
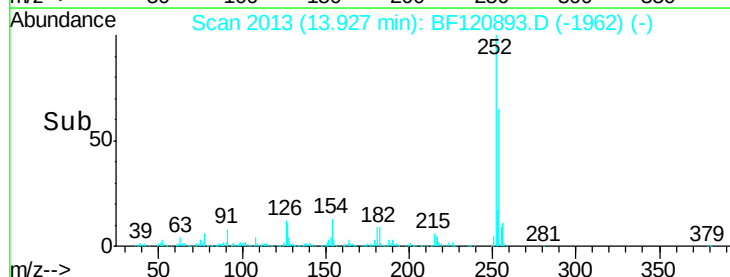
126 11.7 8.7 13.1

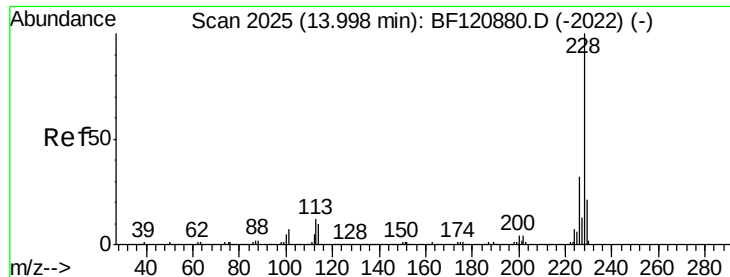


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





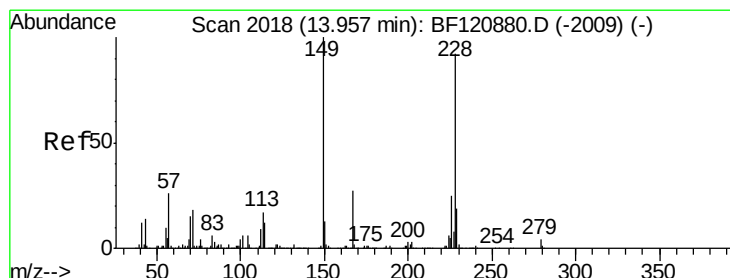
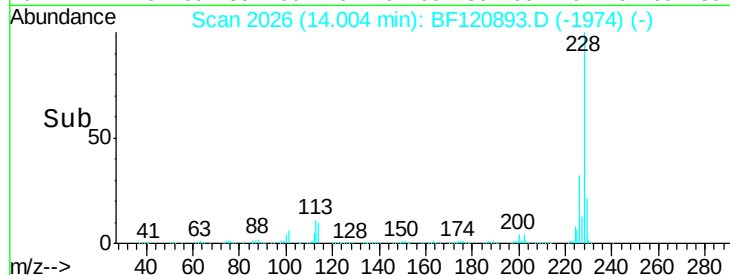
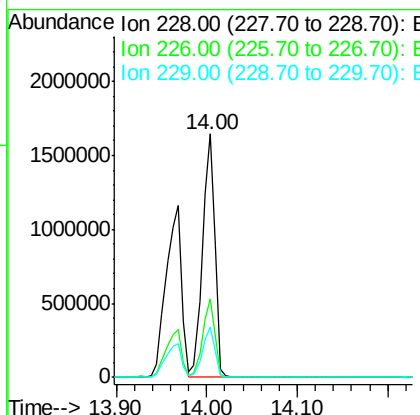
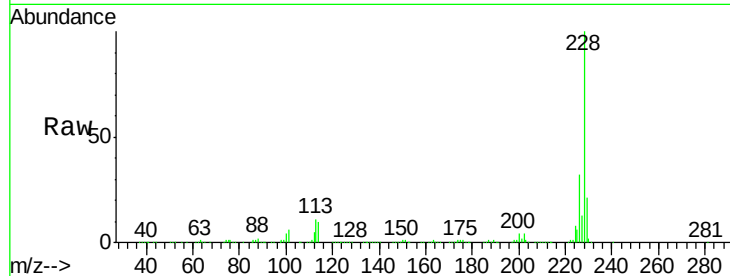
#83
Chrysene
Concen: 47.673 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion:228 Resp: 1576545
Ion Ratio Lower Upper
228 100
226 32.5 25.6 38.4
229 20.9 16.8 25.2

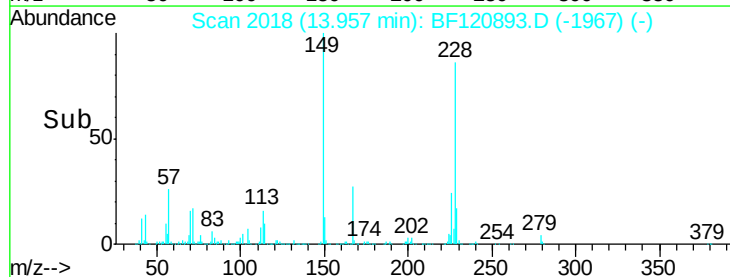
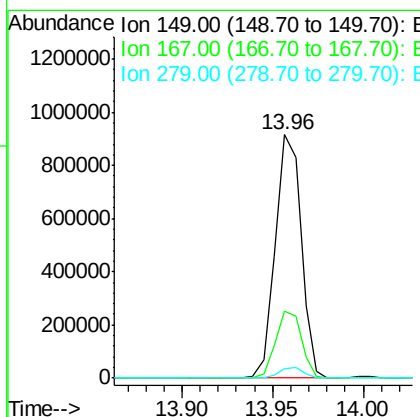
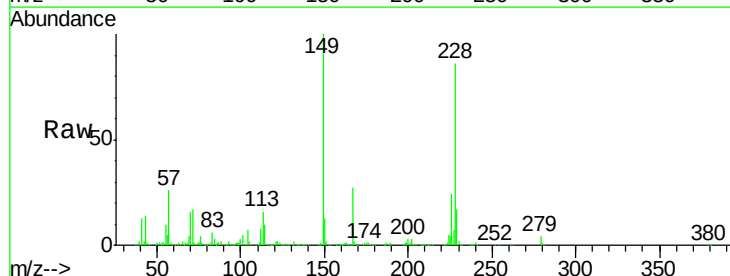
Manual Integrations
APPROVED

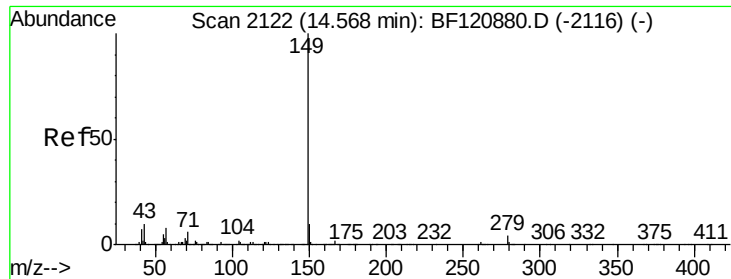
mohammad
7/17/2020 12:30:16 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.215 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion:149 Resp: 913198
Ion Ratio Lower Upper
149 100
167 27.3 21.9 32.9
279 3.8 3.0 4.4





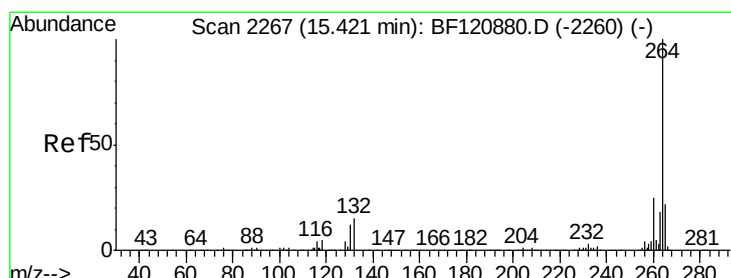
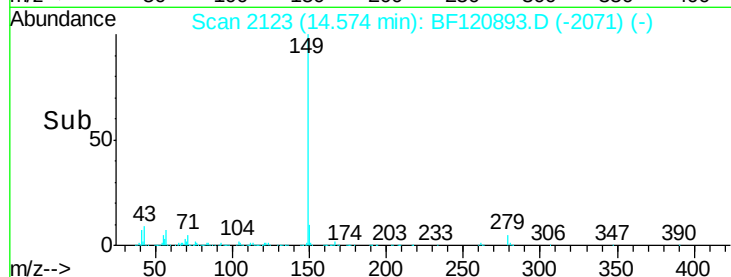
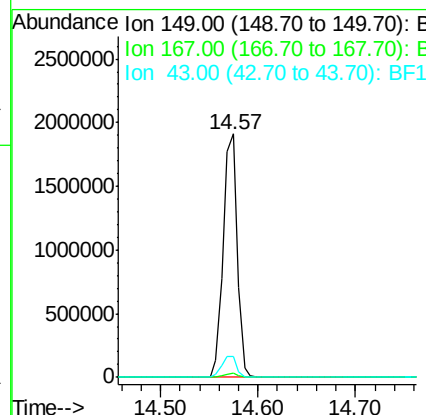
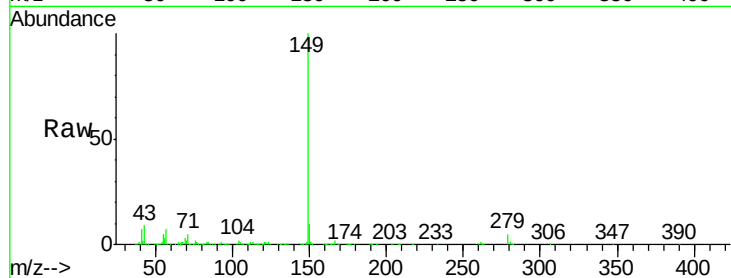
#85
Di-n-octyl phthalate
Concen: 47.828 ng
RT: 14.57 min Scan# 2123
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.6	11.4

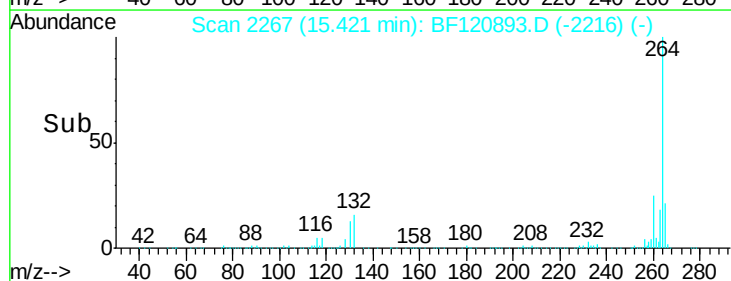
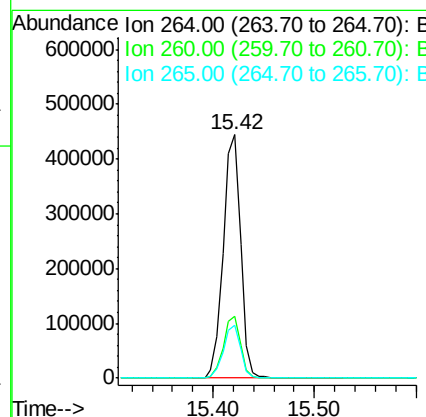
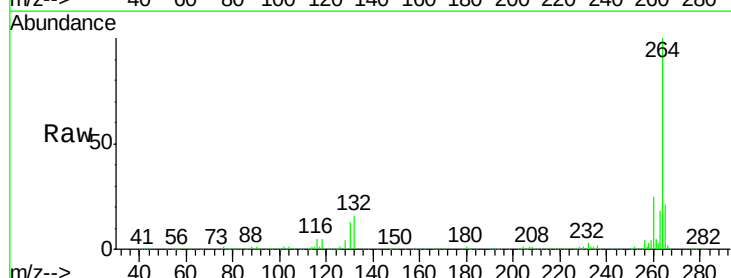
Manual Integrations
APPROVED

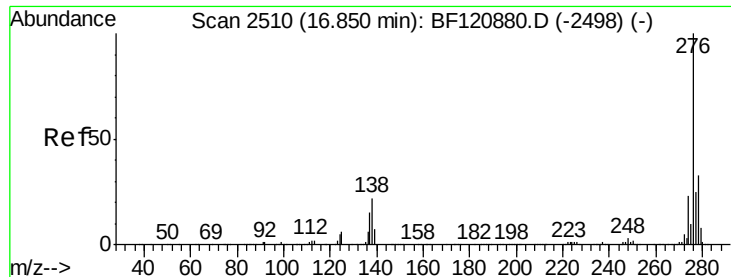
mohammad
7/17/2020 12:30:16 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.0	30.0
265	21.5	17.4	26.2





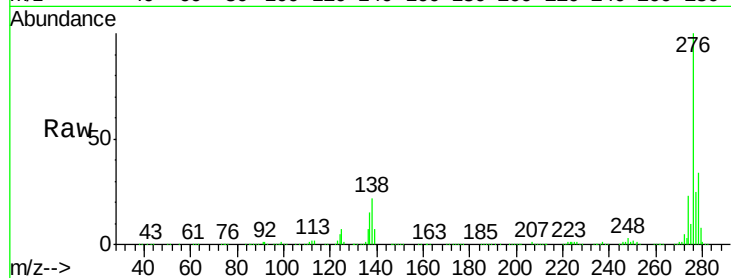
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 43.642 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-071420MSD

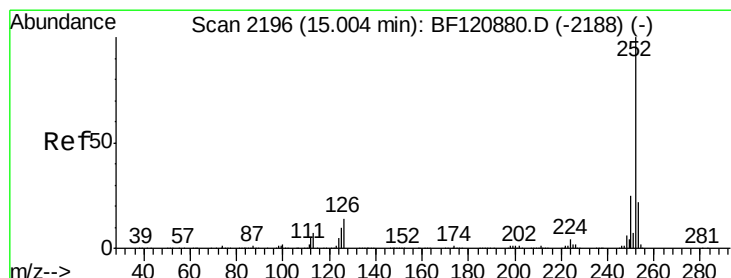
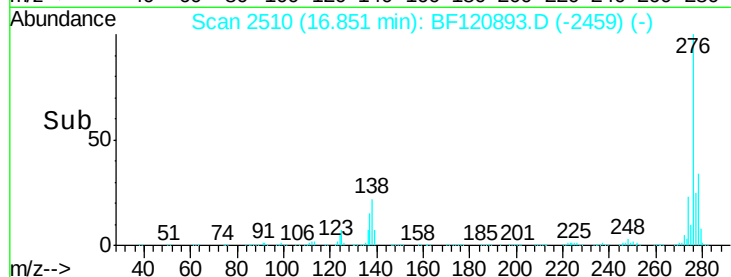
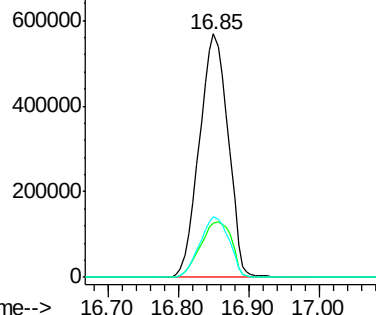
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.8	29.8
277	25.5	20.2	30.2

Manual Integrations
 APPROVED

mohammad
 7/17/2020 12:30:16 PM



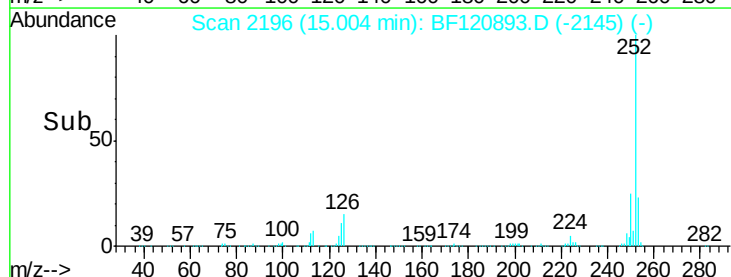
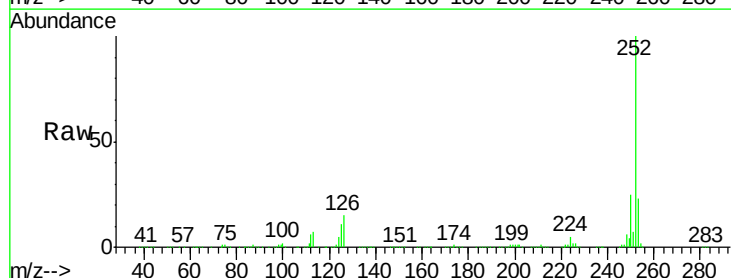
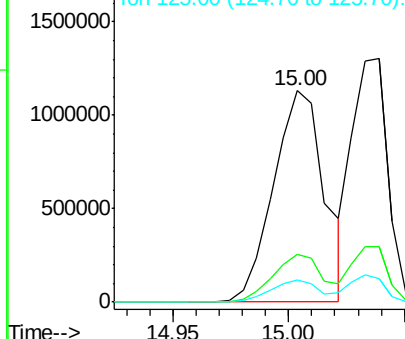
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

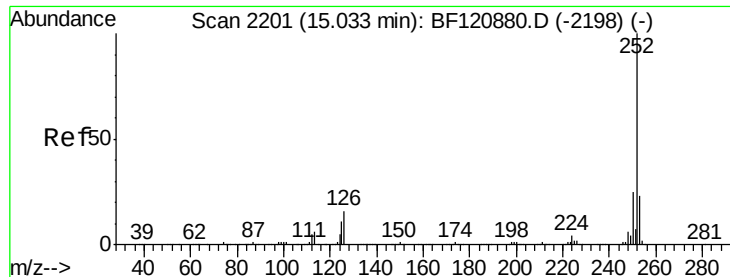


#88
 Benzo(b)fluoranthene
 Concen: 54.140 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: BF120893.D
 Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.7	8.3	12.5

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





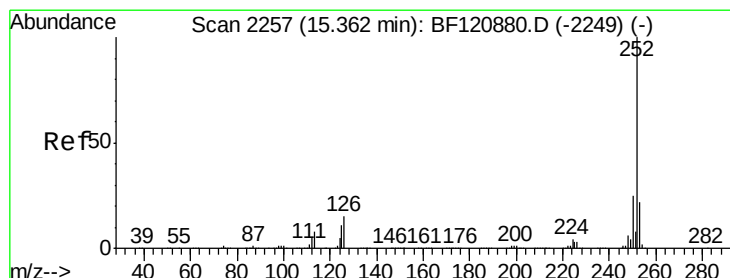
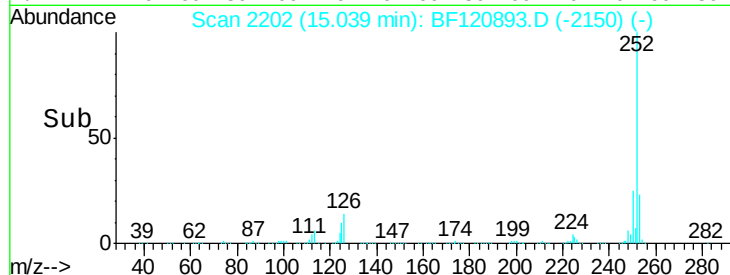
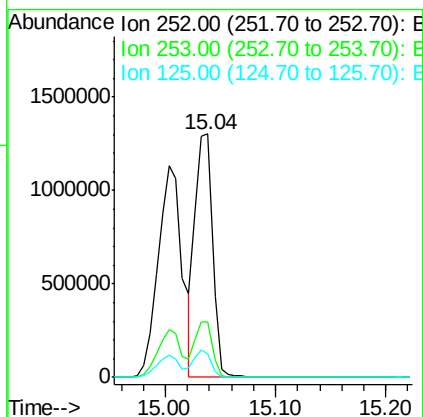
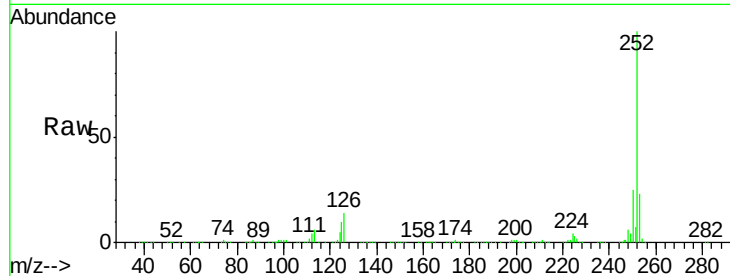
#89
Benzo(k)fluoranthene
Concen: 48.346 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.7	8.4	12.6

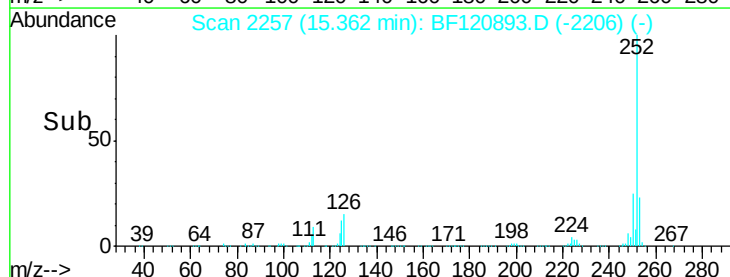
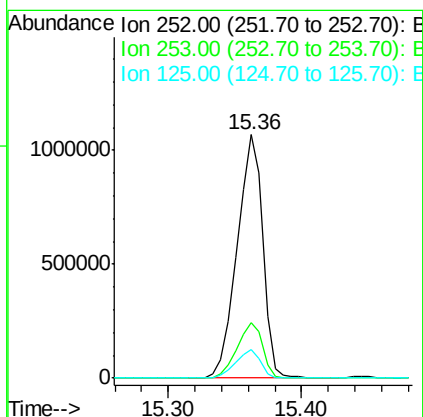
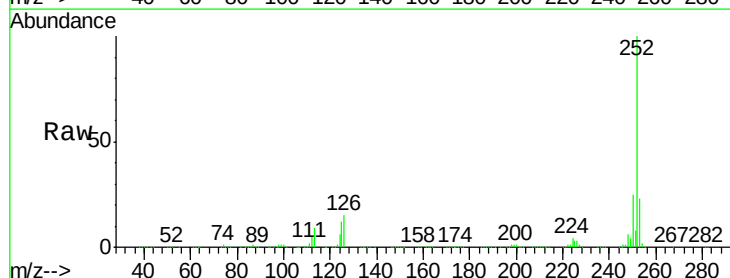
Manual Integrations
APPROVED

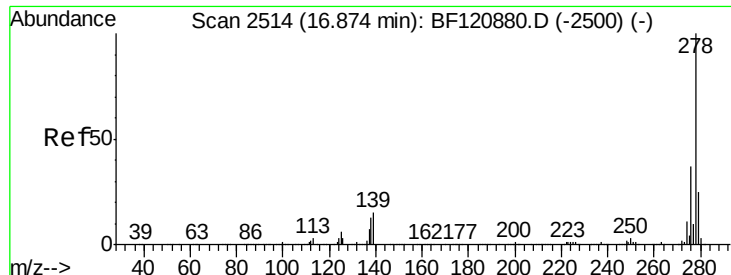
mohammad
7/17/2020 12:30:16 PM



#90
Benzo(a)pyrene
Concen: 48.829 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.6	8.9	13.3





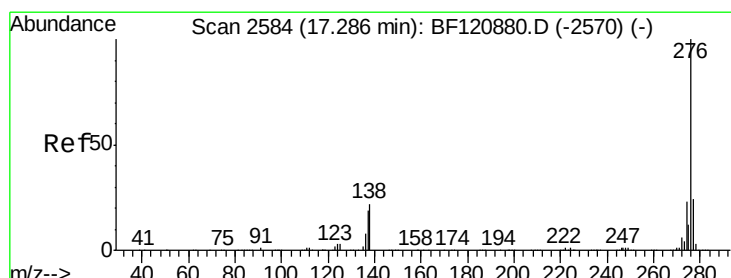
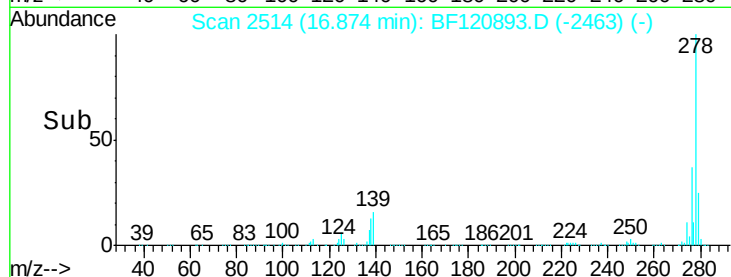
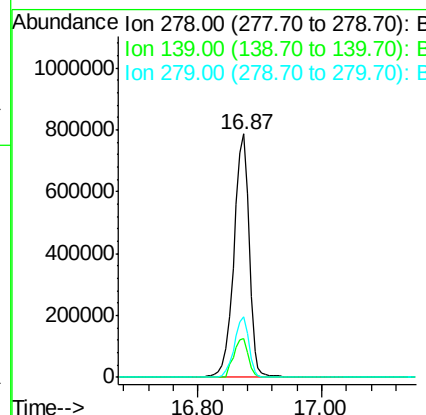
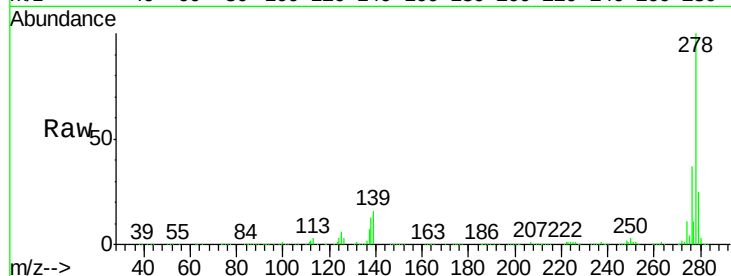
#91
Dibenzo(a,h)anthracene
Concen: 44.920 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Instrument :
BNA_F
ClientSampleId :
SU-03-071420MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.3	18.5
279	24.7	20.1	30.1

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:16 PM



#92
Benzo(g,h,i)perylene
Concen: 43.156 ng
RT: 17.29 min Scan# 2584
Delta R.T. 0.00 min
Lab File: BF120893.D
Acq: 16 Jul 2020 18:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	22.2	17.5	26.3

