

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120442.D
 Acq On : 29 May 2020 16:39
 Operator : MA/SJ
 Sample : PB129143BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:21:08 PM

Quant Time: May 29 17:12:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	274605	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1039536	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	506580	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	823330	20.00	ng	0.00
76) Chrysene-d12	14.00	240	501914	20.00	ng	0.00
86) Perylene-d12	15.44	264	556675	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1794053	124.51	ng	0.02
7) Phenol-d6	6.47	99	2264621	127.51	ng	0.00
23) Nitrobenzene-d5	7.40	82	1450236	91.26	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	577435	123.02	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2608189	87.36	ng	0.00
79) Terphenyl-d14	12.95	244	2218988	98.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	290637	40.718	ng	100
3) Pyridine	3.43	79	692345	35.023	ng	96
4) n-Nitrosodimethylamine	3.38	42	365588	43.700	ng	99
6) Aniline	6.50	93	790122	31.906	ng	99
8) 2-Chlorophenol	6.62	128	770170	47.402	ng	97
9) Benzaldehyde	6.39	77	434633	40.153	ng	98
10) Phenol	6.49	94	836894m	43.090	ng	
11) bis(2-Chloroethyl)ether	6.57	93	725656	44.711	ng	97
12) 1,3-Dichlorobenzene	6.78	146	782536	43.840	ng	99
13) 1,4-Dichlorobenzene	6.86	146	794948	44.637	ng	98
14) 1,2-Dichlorobenzene	7.01	146	727498	44.226	ng	97
15) Benzyl Alcohol	6.98	79	616391	46.040	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	1102764	43.100	ng	100
17) 2-Methylphenol	7.09	107	608007	41.849	ng	98
18) Hexachloroethane	7.35	117	283847	43.541	ng	99
19) n-Nitroso-di-n-propylamine	7.26	70	493744	43.734	ng	98
20) 3+4-Methylphenols	7.25	107	676112	36.837	ng	94
22) Acetophenone	7.25	105	926156	43.868	ng	# 98
24) Nitrobenzene	7.42	77	745608	43.555	ng	98
25) Isophorone	7.66	82	1389901	43.515	ng	98
26) 2-Nitrophenol	7.74	139	373771	48.426	ng	98
27) 2,4-Dimethylphenol	7.77	122	653094	48.724	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	894323	46.495	ng	99
29) 2,4-Dichlorophenol	7.97	162	613298	45.300	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	690087	45.420	ng	98
31) Naphthalene	8.15	128	2052947	44.967	ng	99
32) Benzoic acid	7.90	122	471969	47.450	ng	97
33) 4-Chloroaniline	8.19	127	391002	19.324	ng	98
34) Hexachlorobutadiene	8.26	225	399617	44.373	ng	99
35) Caprolactam	8.56	113	191439m	43.662	ng	
36) 4-Chloro-3-methylphenol	8.67	107	612459	44.589	ng	99
37) 2-Methylnaphthalene	8.83	142	1380865	45.663	ng	99
38) 1-Methylnaphthalene	8.93	142	1302051	45.616	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	639872	49.255	ng	100

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120442.D
 Acq On : 29 May 2020 16:39
 Operator : MA/SJ
 Sample : PB129143BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

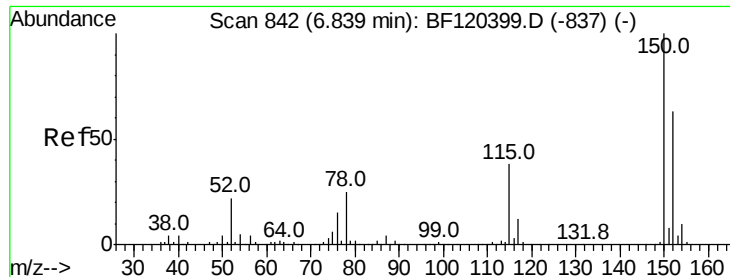
Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:21:08 PM

Quant Time: May 29 17:12:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	470053	64.832	ng	100
43) 2,4,6-Trichlorophenol	9.11	196	454305	48.354	ng	99
44) 2,4,5-Trichlorophenol	9.15	196	467085	43.857	ng	98
46) 1,1'-Biphenyl	9.30	154	1635325	49.141	ng	99
47) 2-Chloronaphthalene	9.32	162	1242924	45.358	ng	97
48) 2-Nitroaniline	9.42	65	371958	44.565	ng	98
49) Acenaphthylene	9.74	152	1952172	46.101	ng	100
50) Dimethylphthalate	9.60	163	1466167	46.295	ng	100
51) 2,6-Dinitrotoluene	9.66	165	319153	45.346	ng #	84
52) Acenaphthene	9.91	154	1212696	45.886	ng	99
53) 3-Nitroaniline	9.82	138	169842	20.550	ng	100
54) 2,4-Dinitrophenol	9.93	184	155569	57.275	ng	94
55) Dibenzofuran	10.09	168	1702688	44.334	ng	97
56) 4-Nitrophenol	9.99	139	545624	86.232	ng	98
57) 2,4-Dinitrotoluene	10.06	165	399497	44.351	ng	94
58) Fluorene	10.43	166	1202345	41.718	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	374543	45.131	ng	99
60) Diethylphthalate	10.30	149	1444762	45.144	ng	100
61) 4-Chlorophenyl-phenylether	10.42	204	627451	40.156	ng	100
62) 4-Nitroaniline	10.44	138	251965	32.293	ng	99
63) Azobenzene	10.58	77	1303199	43.291	ng	99
65) 4,6-Dinitro-2-methylphenol	10.47	198	114972	38.285	ng	87
66) n-Nitrosodiphenylamine	10.54	169	1184441	51.789	ng	99
67) 4-Bromophenyl-phenylether	10.91	248	406019	48.854	ng	98
68) Hexachlorobenzene	10.97	284	433625	48.994	ng #	90
69) Atrazine	11.06	200	326963	50.721	ng	99
70) Pentachlorophenol	11.16	266	481279	88.939	ng	97
71) Phenanthrene	11.39	178	1682254	46.371	ng	100
72) Anthracene	11.44	178	1716581	47.159	ng	100
73) Carbazole	11.59	167	1561957	44.365	ng	99
74) Di-n-butylphthalate	11.92	149	1999829	48.830	ng	99
75) Fluoranthene	12.57	202	1630529	41.770	ng	97
77) Benzidine	12.69	184	1101418	83.519	ng	97
78) Pyrene	12.80	202	1617765	46.347	ng	99
80) Butylbenzylphthalate	13.42	149	718521	49.308	ng	98
81) Benzo(a)anthracene	13.99	228	1268255	47.147	ng	100
82) 3,3'-Dichlorobenzidine	13.95	252	505906	51.803	ng	100
83) Chrysene	14.03	228	1322130	46.882	ng	99
84) Bis(2-ethylhexyl)phthalate	13.98	149	935367	54.682	ng	99
85) Di-n-octyl phthalate	14.59	149	1667503	56.337	ng	99
87) Indeno(1,2,3-cd)pyrene	16.89	276	1418311	46.583	ng	99
88) Benzo(b)fluoranthene	15.03	252	1418752	45.885	ng	99
89) Benzo(k)fluoranthene	15.06	252	1223777	42.397	ng	99
90) Benzo(a)pyrene	15.39	252	1224578	45.279	ng	99
91) Dibenzo(a,h)anthracene	16.91	278	1195489	48.161	ng	99
92) Benzo(g,h,i)perylene	17.33	276	1169386	47.764	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion:152 Resp: 274605

Ion Ratio Lower Upper

152 100

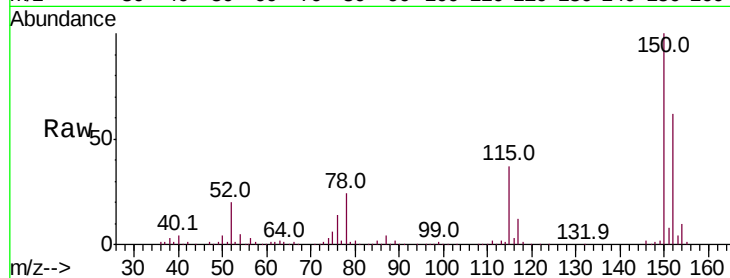
150 161.0 126.5 189.7

115 59.1 47.6 71.4

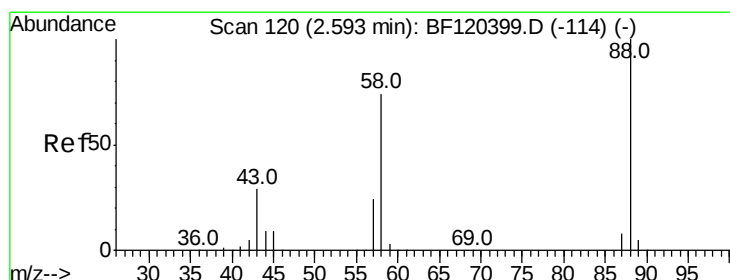
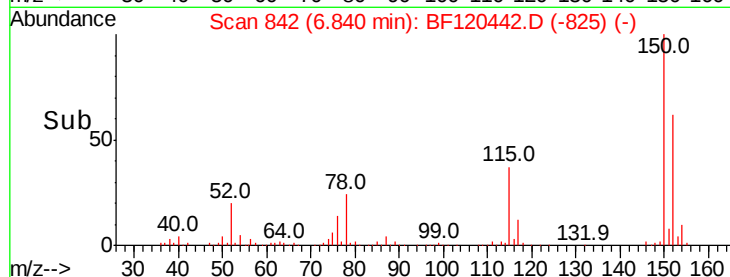
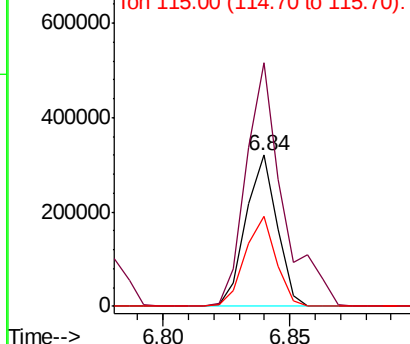
Manual Integrations
APPROVED

mohammad

6/1/2020 12:21:08 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: 40.718 ng

RT: 2.68 min Scan# 135

Delta R.T. 0.07 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

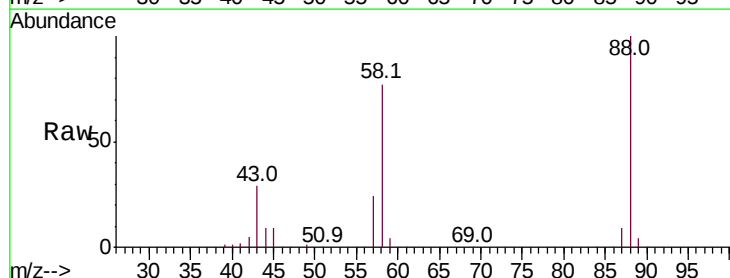
Tgt Ion: 88 Resp: 290637

Ion Ratio Lower Upper

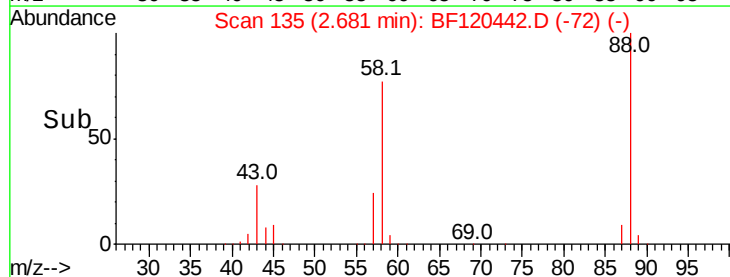
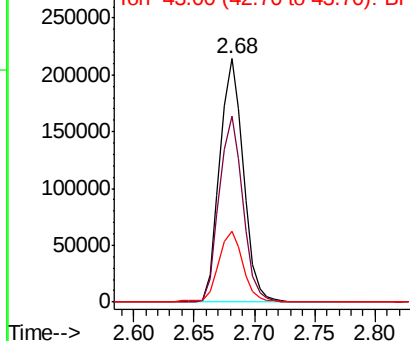
88 100

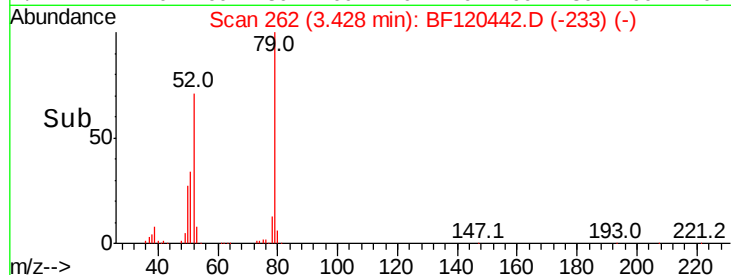
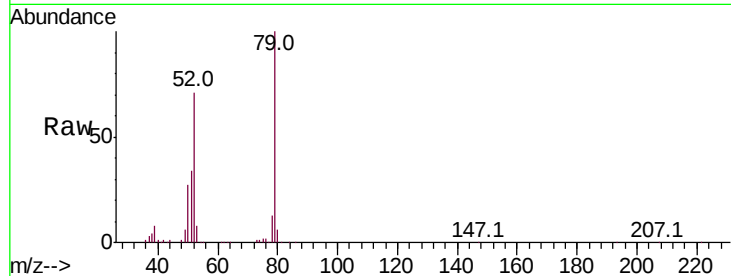
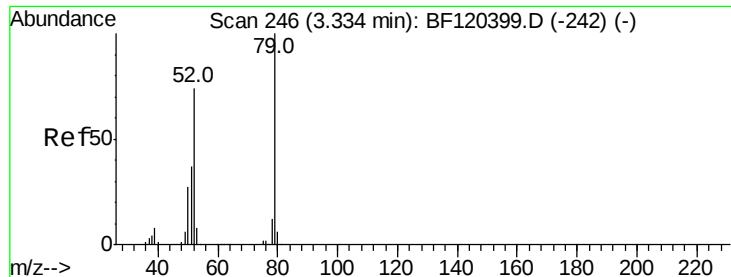
58 75.9 61.0 91.4

43 29.3 23.6 35.4



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: 35.023 ng

RT: 3.43 min Scan# 262

Delta R.T. 0.07 min

Lab File: BF120442.D

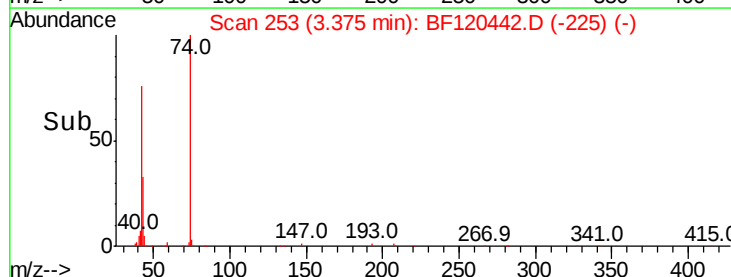
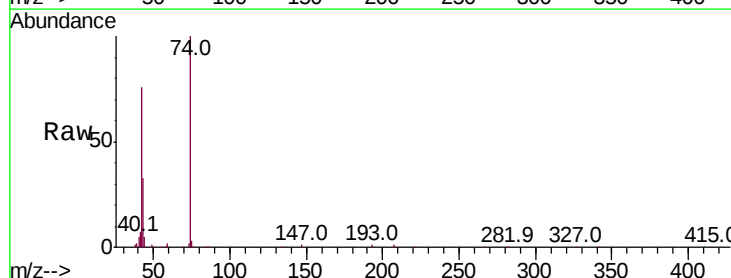
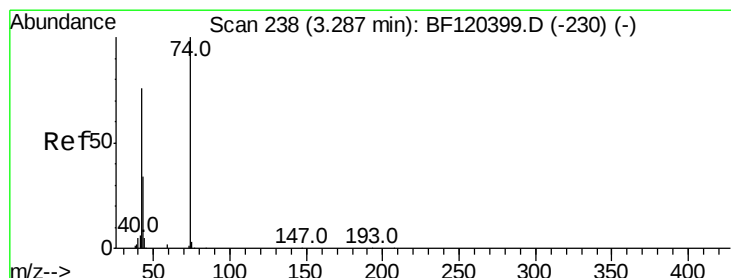
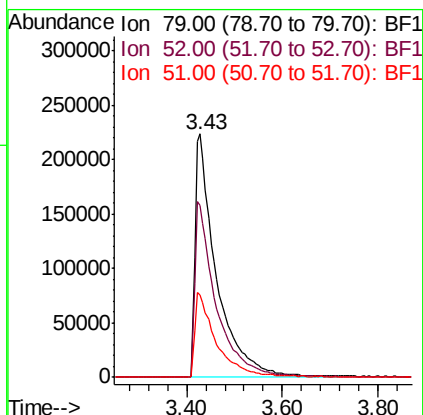
Acq: 29 May 2020 16:39

Tot Ion	Ratio	Lower	Upper
79	100		
52	70.7	59.2	88.8
51	34.0	29.4	44.2

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



#4

n-Nitrosodimethylamine

Concen: 43.700 ng

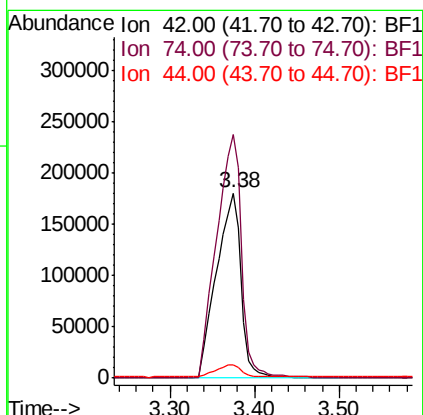
RT: 3.38 min Scan# 253

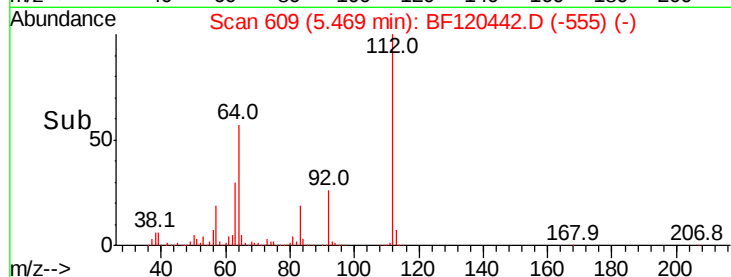
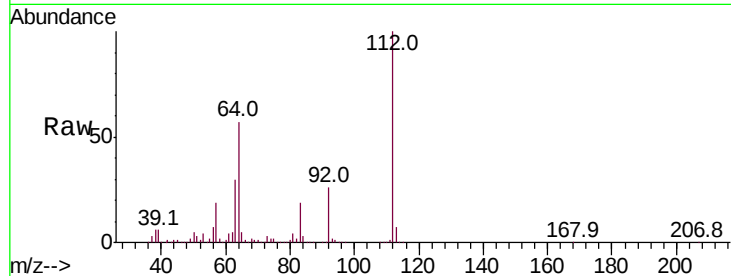
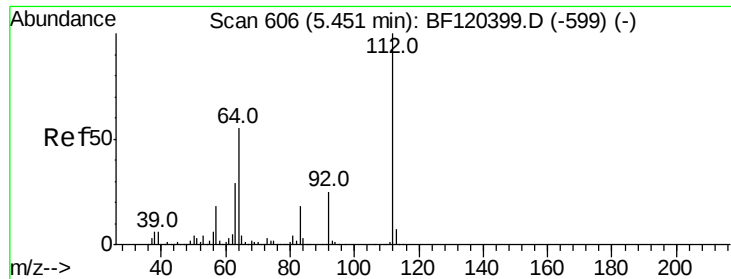
Delta R.T. 0.06 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
42	100		
74	131.6	104.8	157.2
44	7.1	7.0	10.4





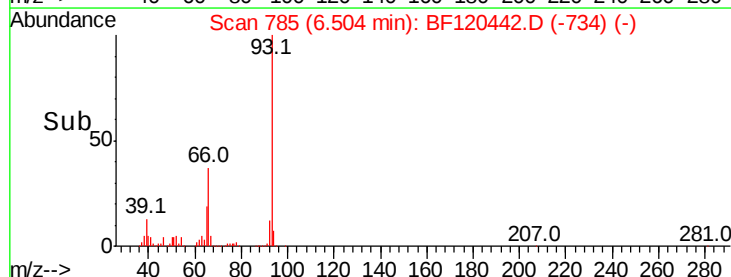
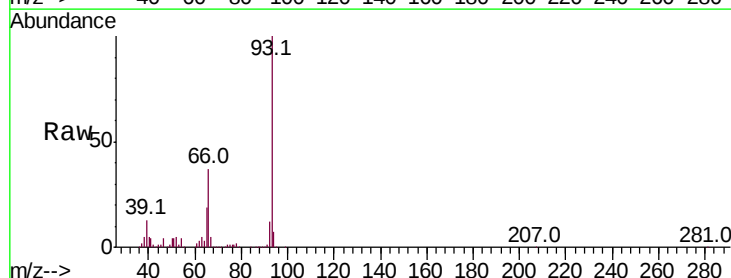
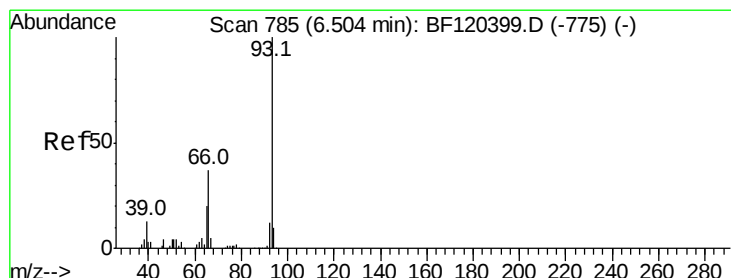
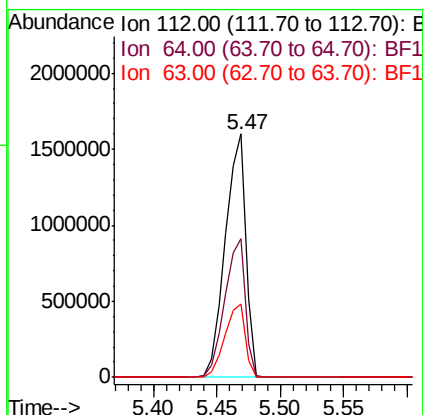
#5
2-Fluorophenol
Concen: 124.507 ng
RT: 5.47 min Scan# 609
Delta R.T. 0.02 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tot Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.3	66.5
63	30.2	22.9	34.3

Instrument :
BNA_F
ClientSampleId :
PB129143BS

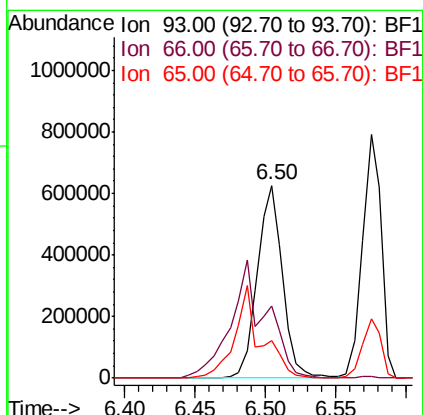
Manual Integrations
APPROVED

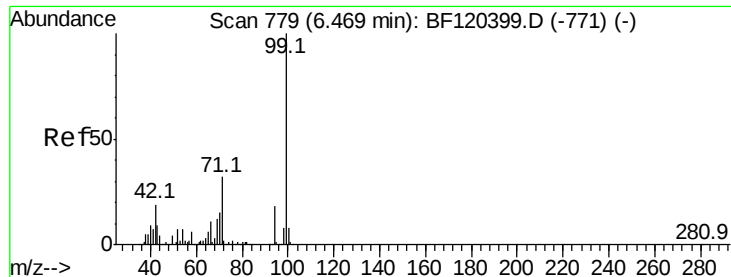
mohammad
6/1/2020 12:21:08 PM



#6
Aniline
Concen: 31.906 ng
RT: 6.50 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
93	100		
66	37.5	30.4	45.6
65	19.4	16.3	24.5





#7

Phenol-d6

Concen: 127.509 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion: 99 Resp: 2264621

Ion Ratio Lower Upper

99 100

42 19.5 15.2 22.8

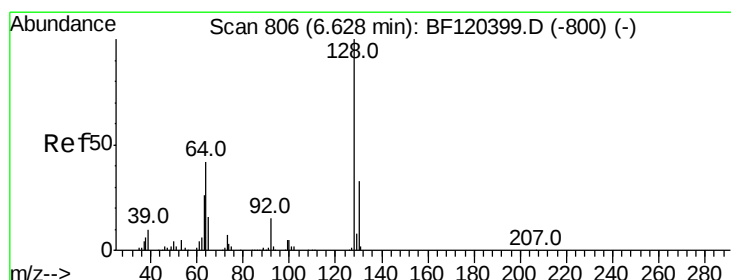
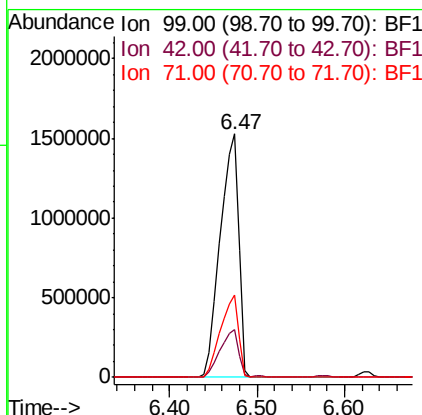
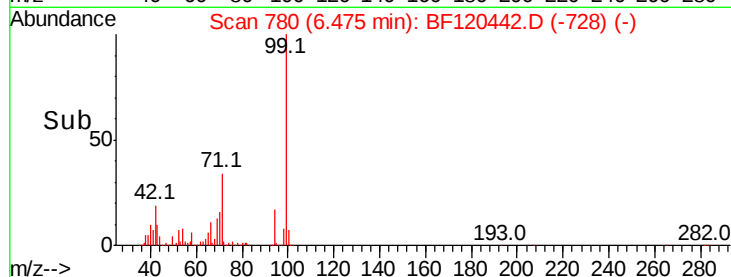
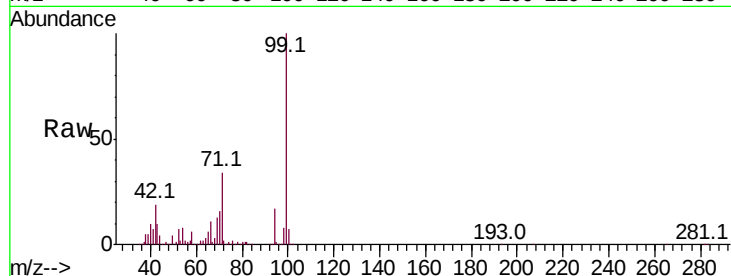
71 33.8 25.6 38.4

Manual Integrations

APPROVED

mohammad

6/1/2020 12:21:08 PM



#8

2-Chlorophenol

Concen: 47.402 ng

RT: 6.62 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

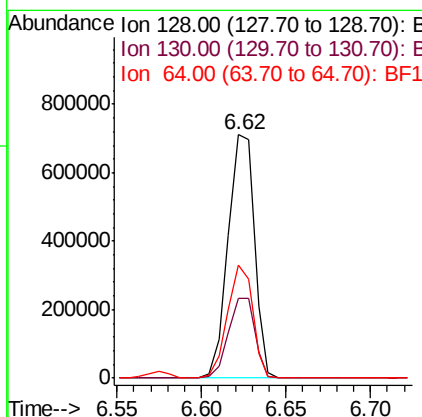
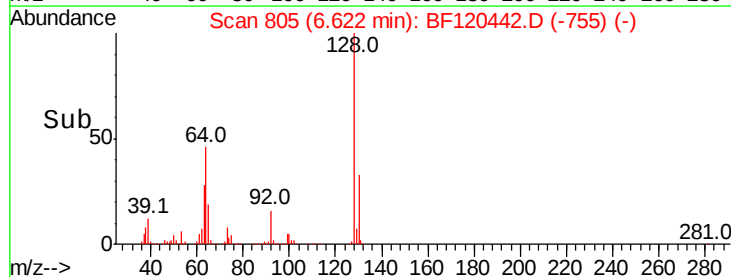
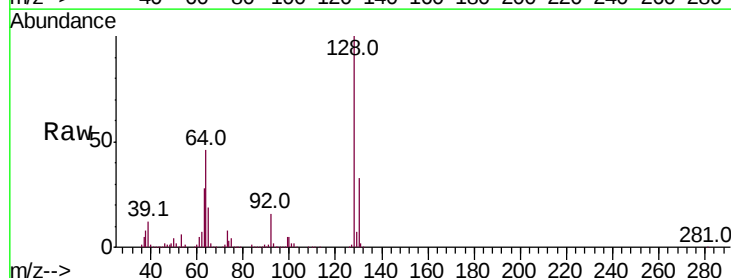
Tgt Ion: 128 Resp: 770170

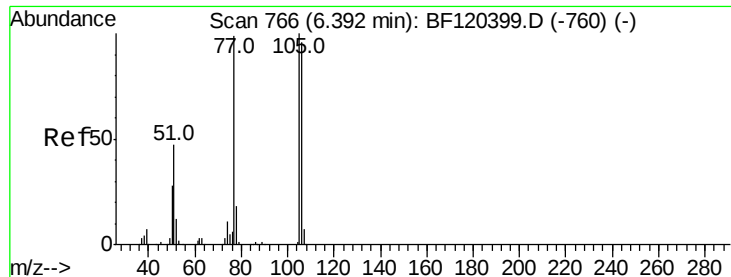
Ion Ratio Lower Upper

128 100

130 32.9 12.9 52.9

64 46.4 23.2 63.2





#9

Benzaldehyde

Concen: 40.153 ng

RT: 6.39 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

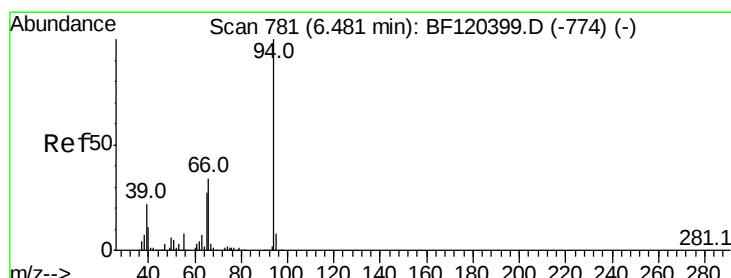
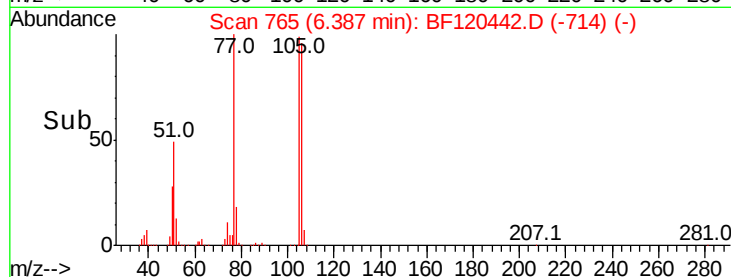
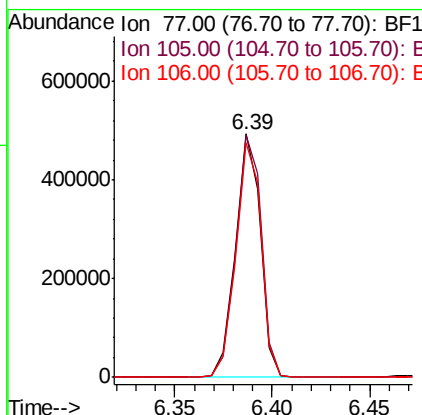
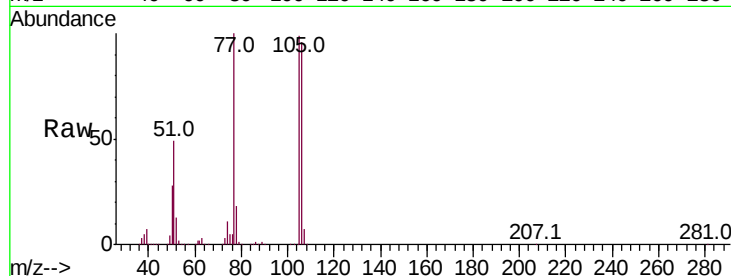
ClientSampleId :

PB129143BS

Tot Ion:	77	Resp:	434633
Ion Ratio	Lower	Upper	
77	100		
105	99.3	81.5	121.5
106	96.1	77.4	117.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



#10

Phenol

Concen: 43.090 ng m

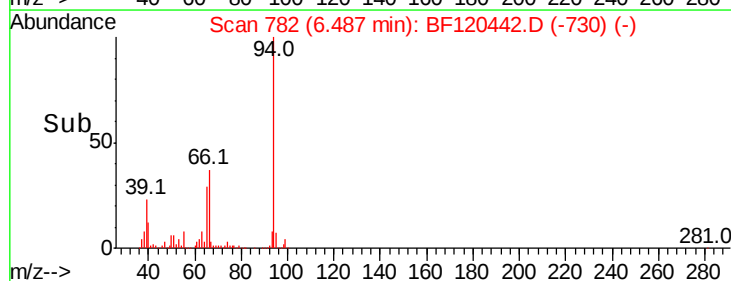
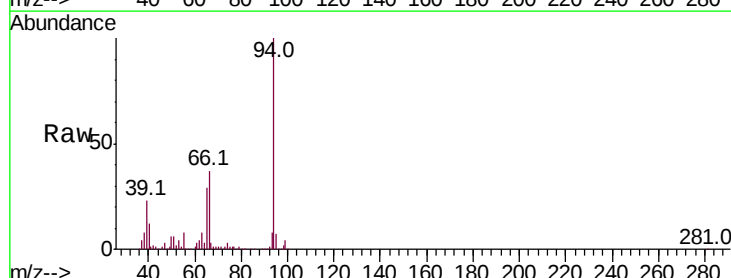
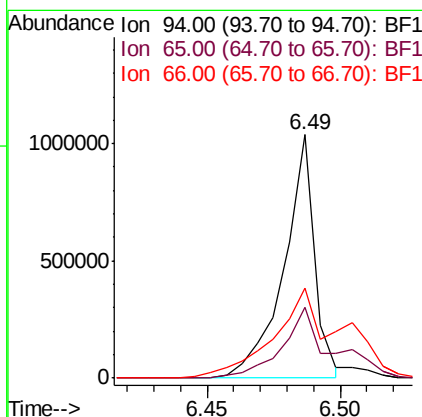
RT: 6.49 min Scan# 782

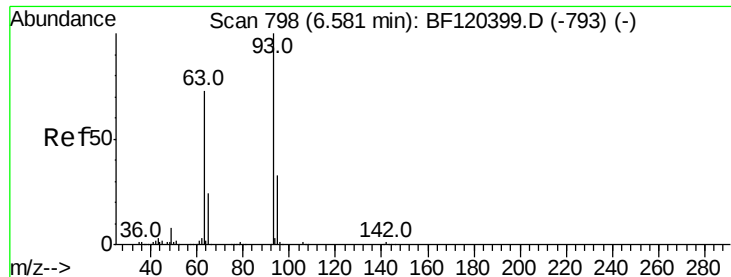
Delta R.T. 0.01 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Tgt Ion:	94	Resp:	836894
Ion Ratio	Lower	Upper	
94	100		
65	29.1	6.8	46.8
66	36.9	13.9	53.9





#11

bis(2-Chloroethyl)ether

Concen: 44.711 ng

RT: 6.57 min Scan# 797

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

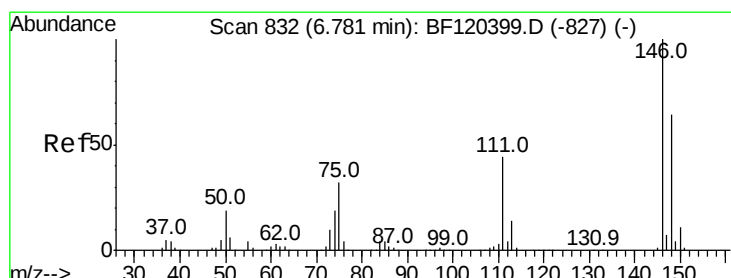
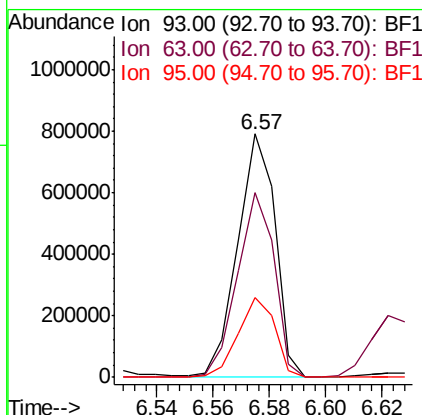
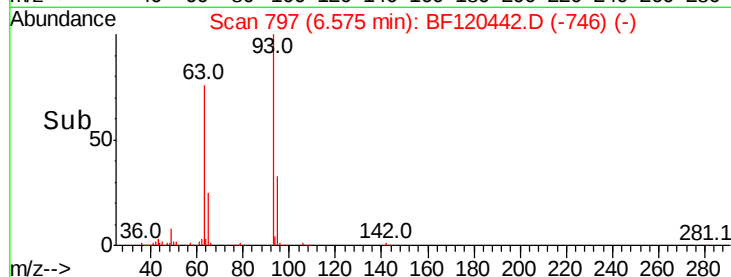
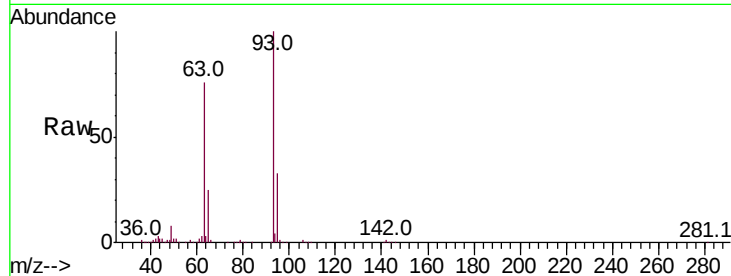
ClientSampleId :

PB129143BS

Tot Ion	93	Resp	725656
Ion	Ratio	Lower	Upper
93	100		
63	75.9	52.8	92.8
95	32.9	12.6	52.6

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



#12

1,3-Dichlorobenzene

Concen: 43.840 ng

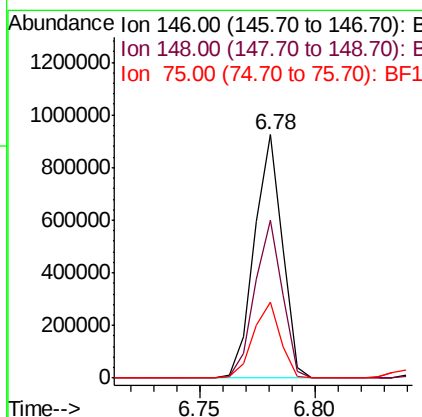
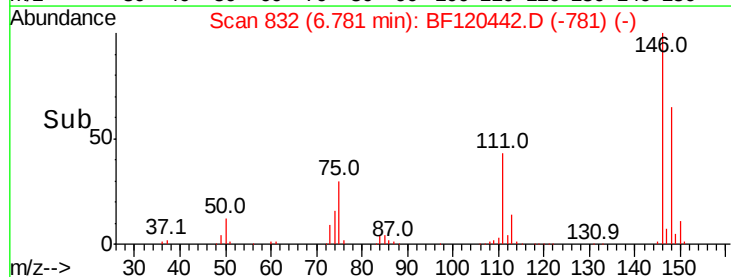
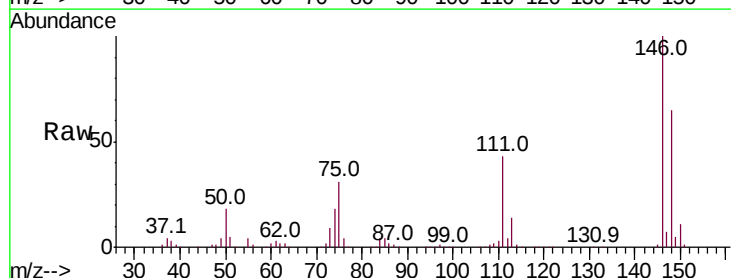
RT: 6.78 min Scan# 832

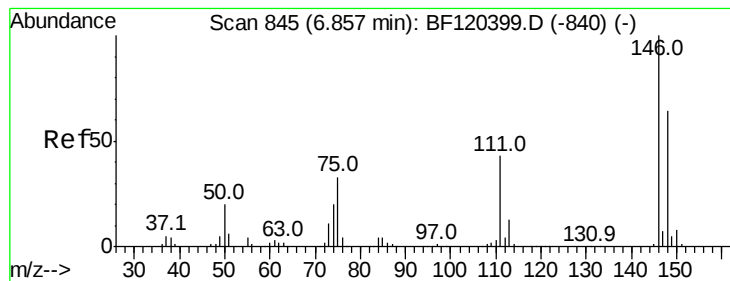
Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Tgt Ion	146	Resp	782536
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
75	31.1	25.9	38.9





#13

1,4-Dichlorobenzene

Concen: 44.637 ng

RT: 6.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

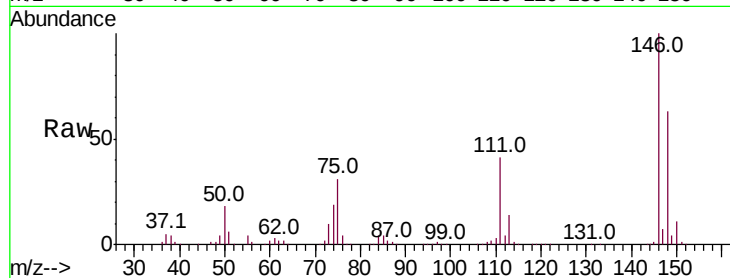
ClientSampleId :

PB129143BS

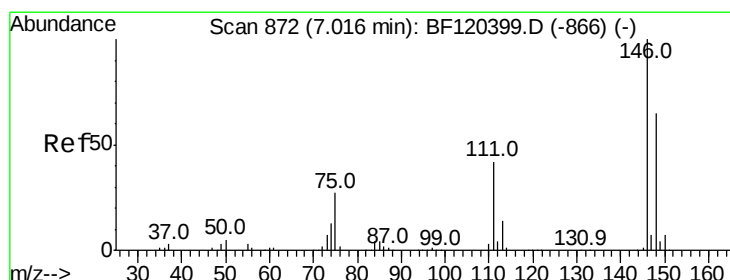
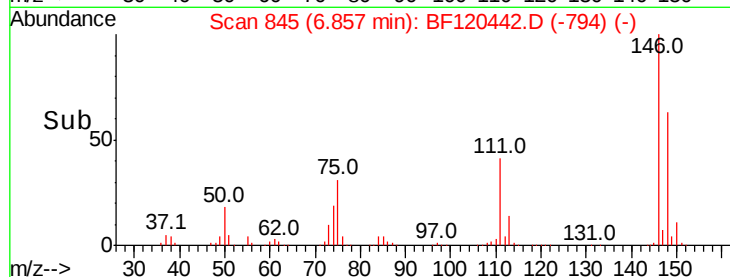
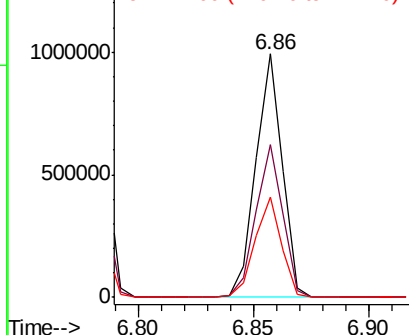
Tot Ion:	146	Resp:	794948
Ion Ratio	Lower	Upper	
146	100		
148	63.0	51.4	77.0
111	41.2	34.2	51.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



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



#14

1,2-Dichlorobenzene

Concen: 44.226 ng

RT: 7.01 min Scan# 871

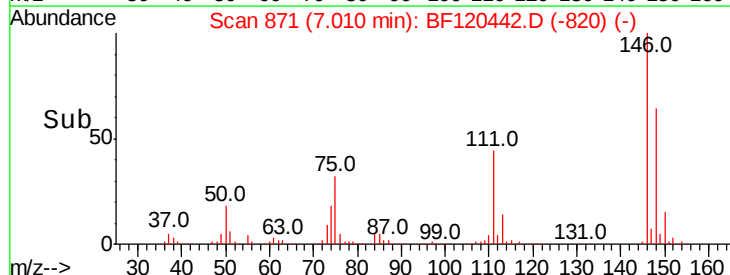
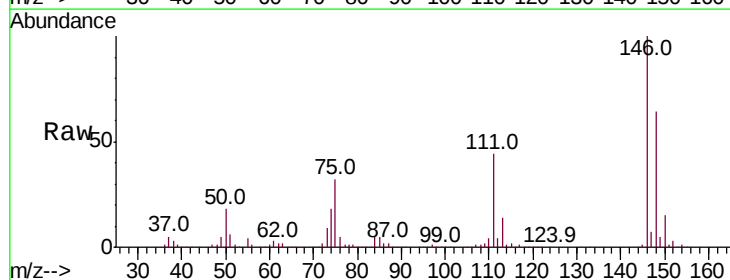
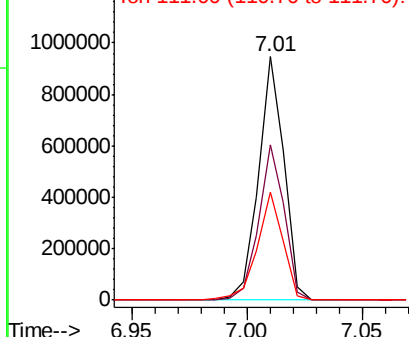
Delta R.T. 0.00 min

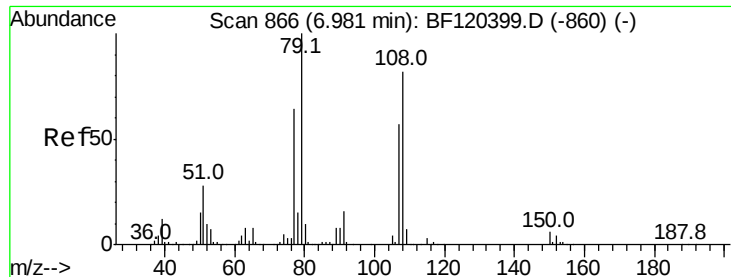
Lab File: BF120442.D

Acq: 29 May 2020 16:39

Tgt Ion:	146	Resp:	727498
Ion Ratio	Lower	Upper	
146	100		
148	63.6	52.3	78.5
111	44.3	33.9	50.9

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





#15

Benzyl Alcohol

Concen: 46.040 ng

RT: 6.98 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

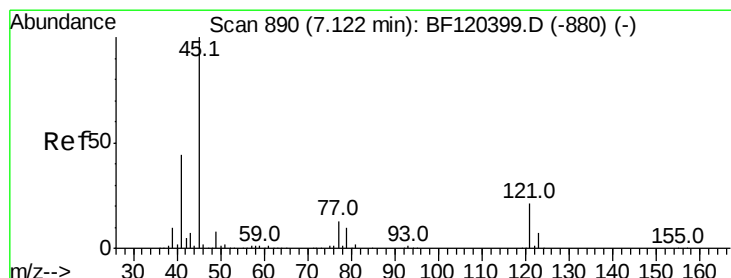
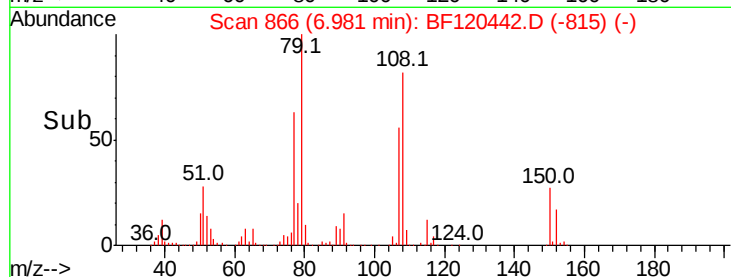
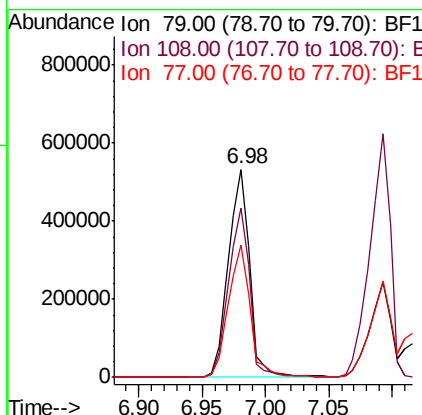
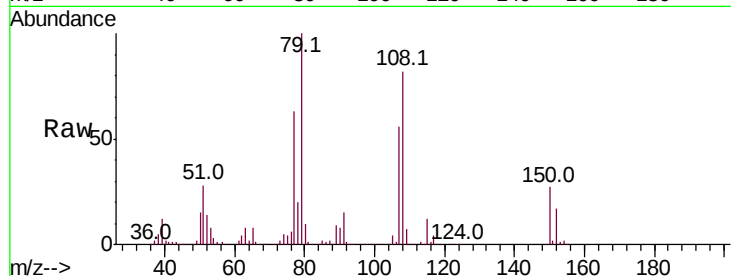
ClientSampleId :

PB129143BS

Tot Ion:	79	Resp:	616391
Ion Ratio	Lower	Upper	
79	100		
108	81.7	65.8	98.8
77	63.4	51.5	77.3

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.100 ng

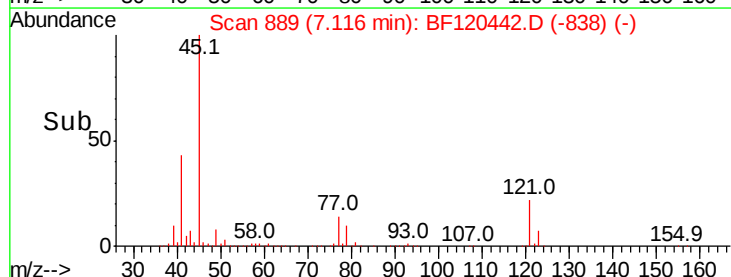
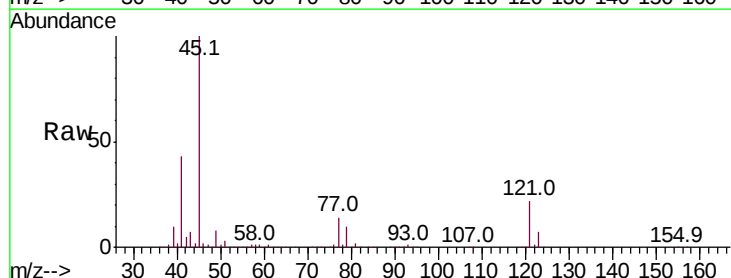
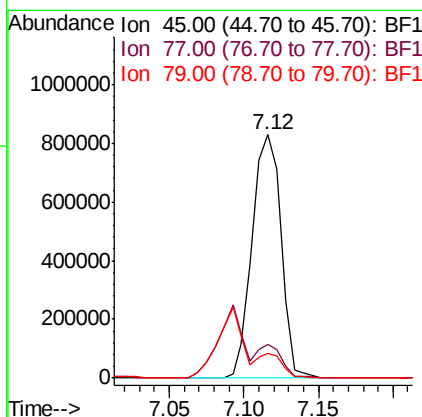
RT: 7.12 min Scan# 889

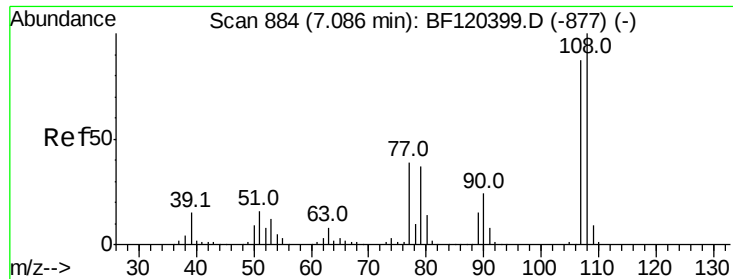
Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Tgt Ion:	45	Resp:	1102764
Ion Ratio	Lower	Upper	
45	100		
77	13.7	0.0	33.5
79	10.3	0.0	30.3





#17

2-Methylphenol

Concen: 41.849 ng

RT: 7.09 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

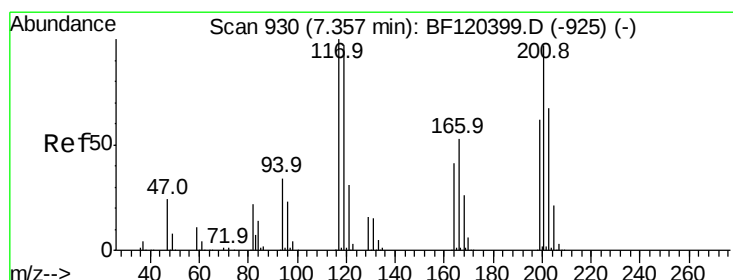
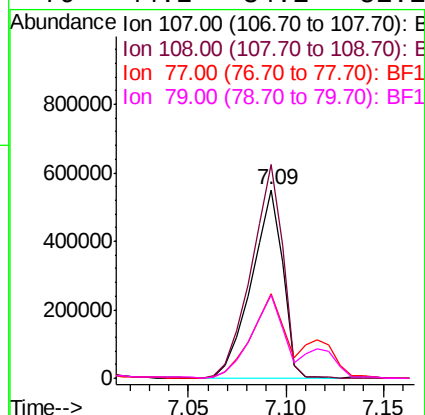
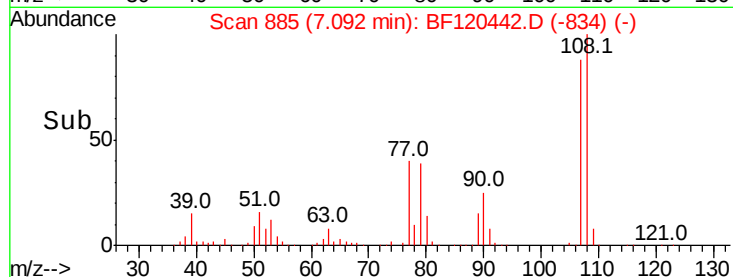
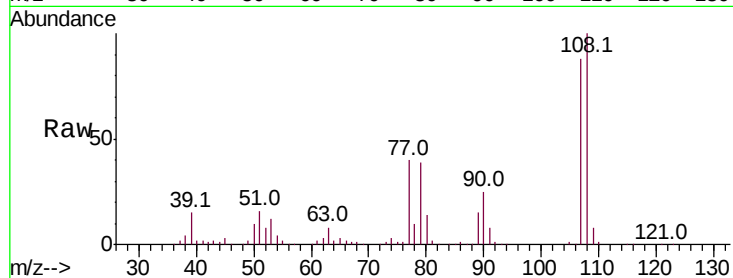
ClientSampleId :

PB129143BS

Tot Ion:	107	Resp:	608007
Ion Ratio	Lower	Upper	
107	100		
108	113.2	92.3	138.5
77	45.1	35.7	53.5
79	44.2	34.1	51.1

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



#18

Hexachloroethane

Concen: 43.541 ng

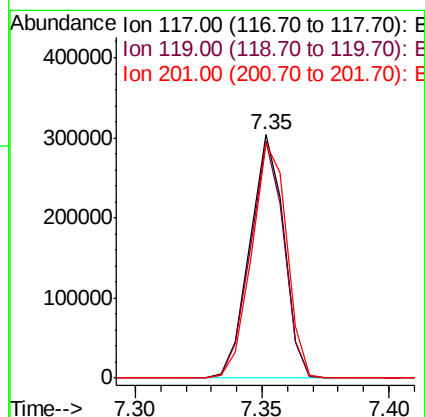
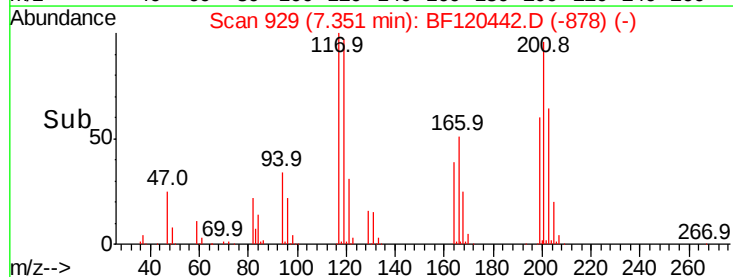
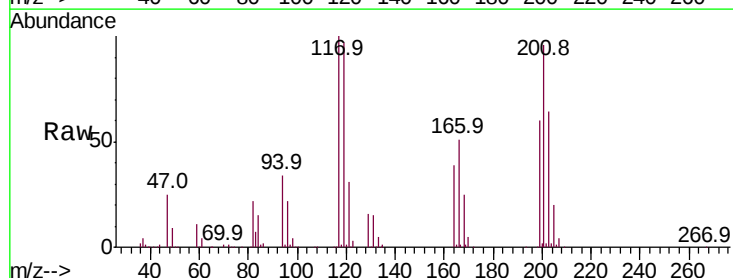
RT: 7.35 min Scan# 929

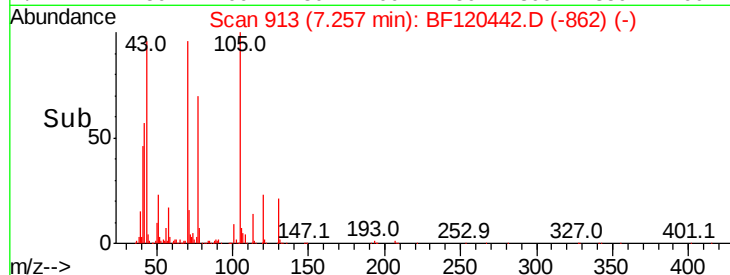
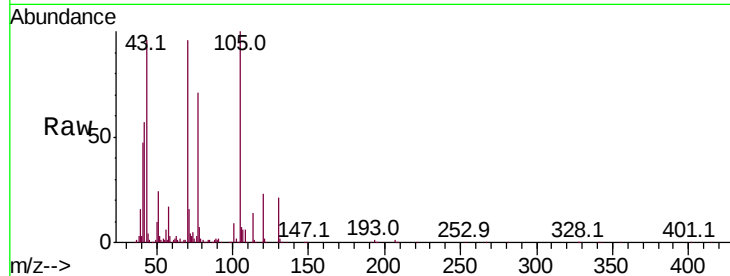
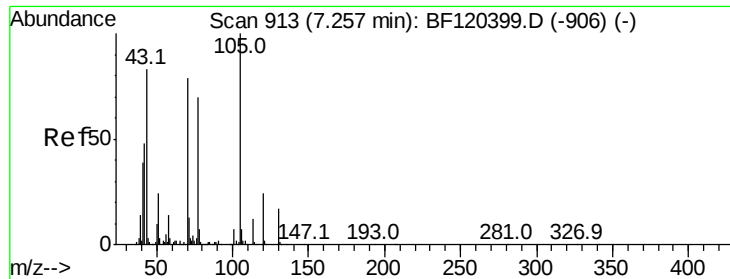
Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Tgt Ion:	117	Resp:	283847
Ion Ratio	Lower	Upper	
117	100		
119	97.3	77.4	116.2
201	96.4	77.7	116.5





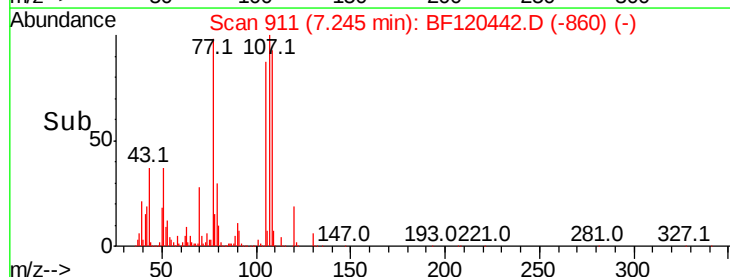
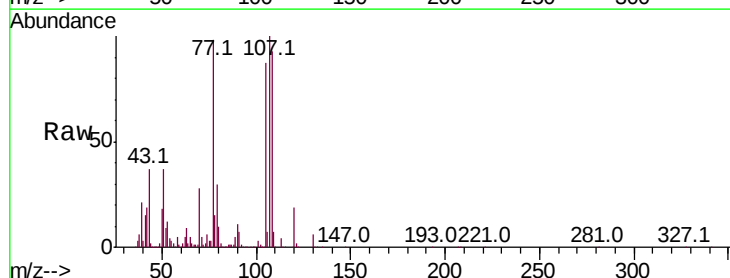
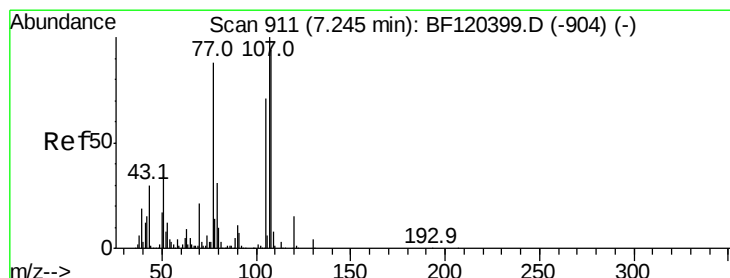
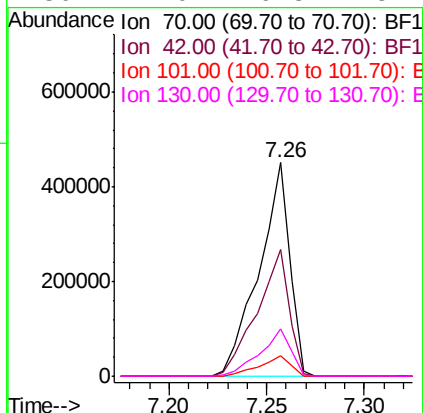
#19
n-Nitroso-di-n-propylamine
Concen: 43.734 ng
RT: 7.26 min Scan# 913
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Manual Integrations
APPROVED

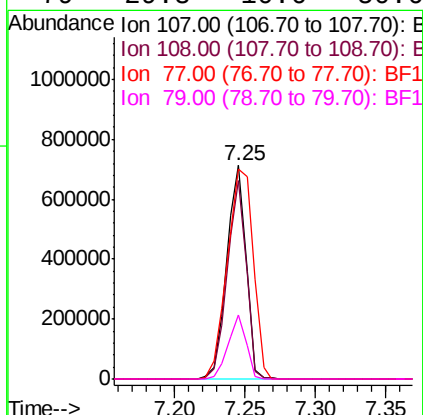
mohammad
6/1/2020 12:21:08 PM

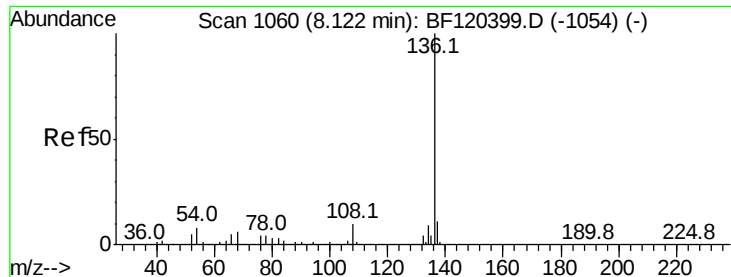
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	59.1	48.9	73.3	
101	9.8	7.4	11.2	
130	22.0	16.8	25.2	



#20
3+4-Methylphenols
Concen: 36.837 ng
RT: 7.25 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	92.8	74.4	114.4	
77	98.3	67.6	107.6	
79	29.8	10.6	50.6	





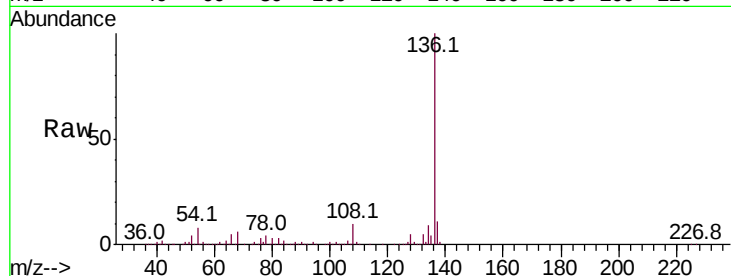
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	136	Resp	1039536
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.9	6.7	10.1
68	6.2	5.0	7.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



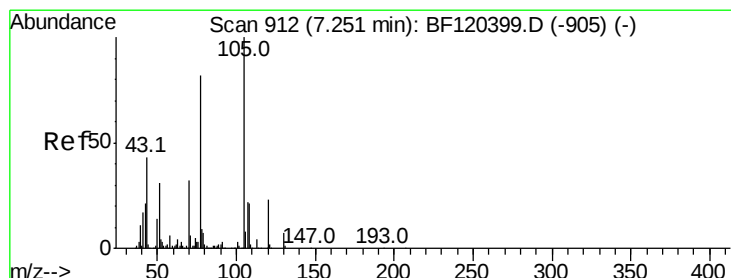
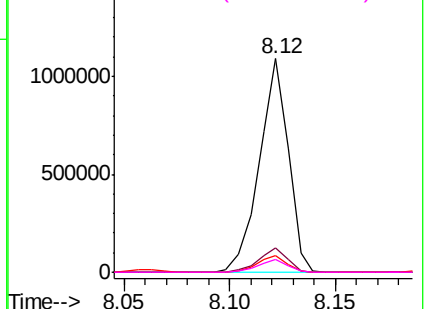
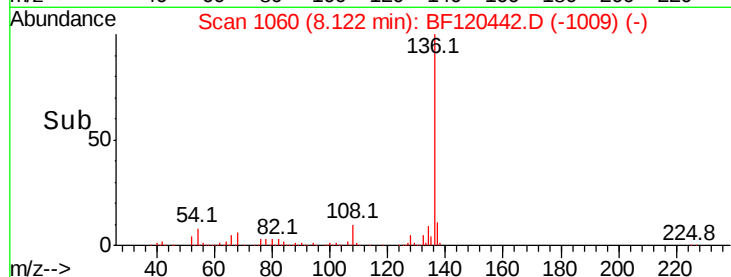
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

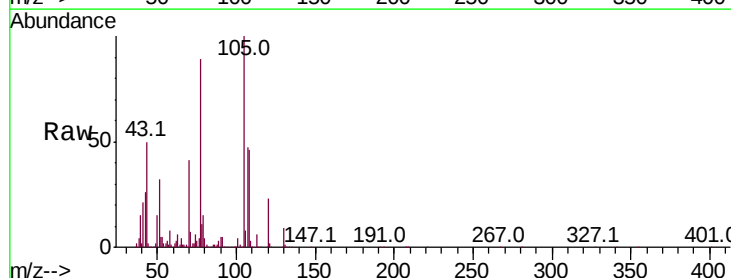
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 43.868 ng
RT: 7.25 min Scan# 912
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	105	Resp	926156
Ion	Ratio	Lower	Upper
105	100		
71	6.8	4.4	6.6#
51	32.3	24.5	36.7
120	22.5	18.2	27.2



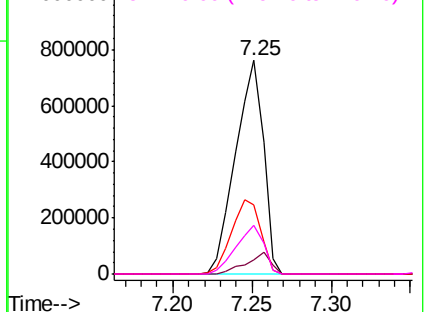
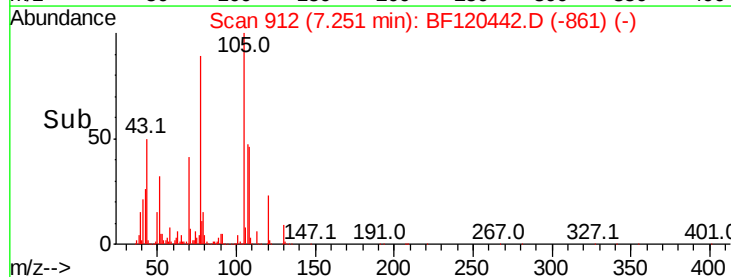
Abundance

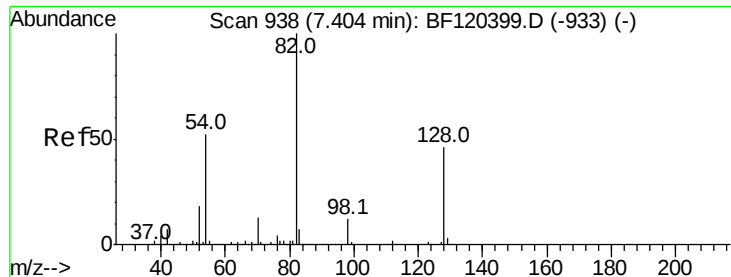
Ion 105.00 (104.70 to 105.70): E

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: 91.257 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion: 82 Resp: 1450236

Ion Ratio Lower Upper

82 100

128 46.2 36.8 55.2

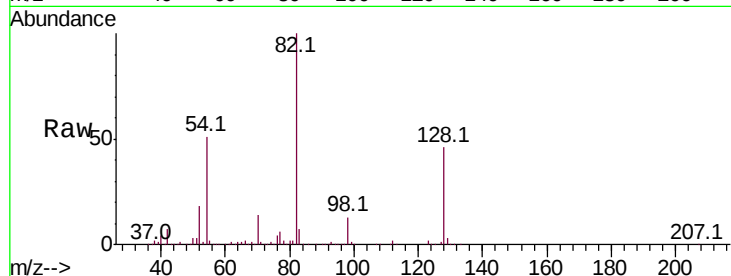
54 51.3 41.6 62.4

Manual Integrations

APPROVED

mohammad

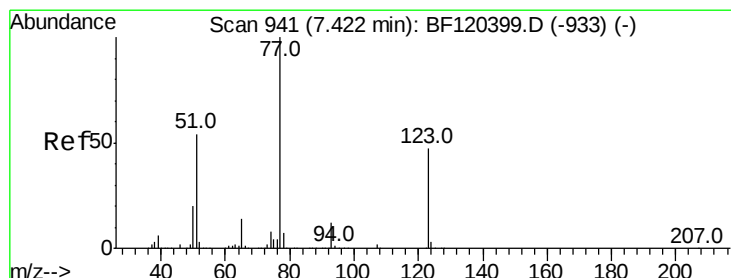
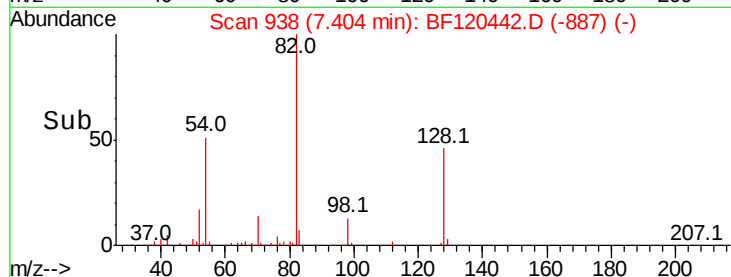
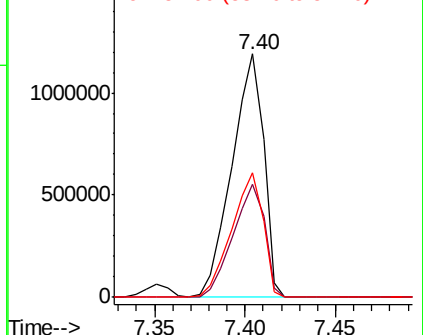
6/1/2020 12:21:08 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 43.555 ng

RT: 7.42 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

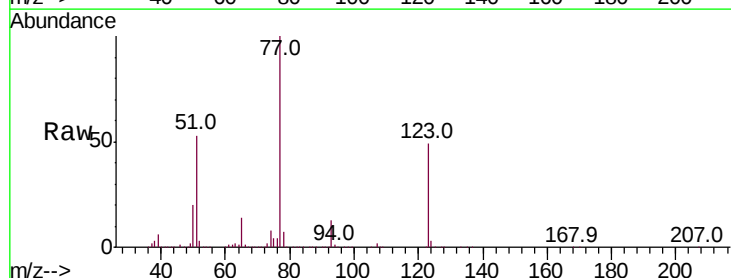
Tgt Ion: 77 Resp: 745608

Ion Ratio Lower Upper

77 100

123 48.9 37.8 56.6

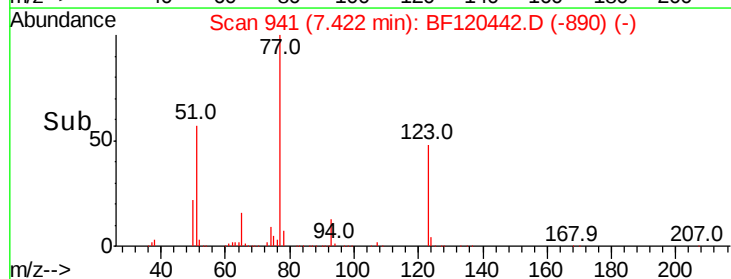
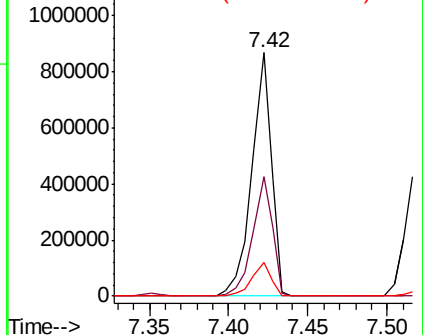
65 13.8 11.3 16.9

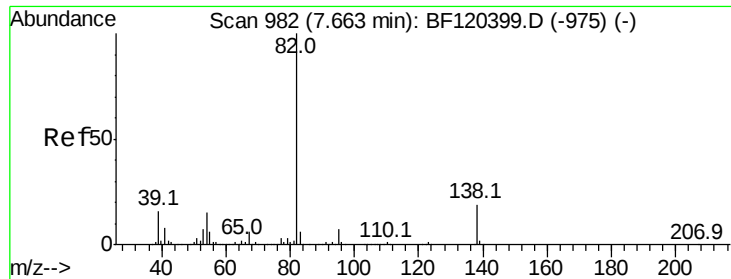


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 43.515 ng

RT: 7.66 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion: 82 Resp: 1389901

Ion Ratio Lower Upper

82 100

95 7.2 5.6 8.4

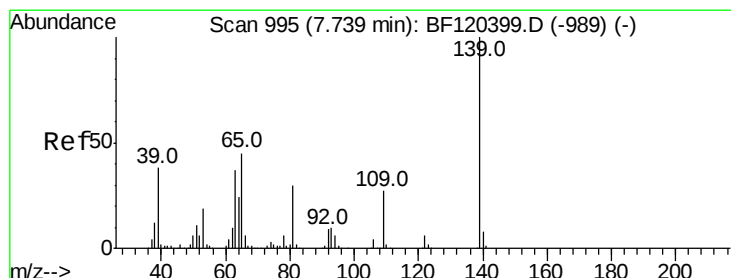
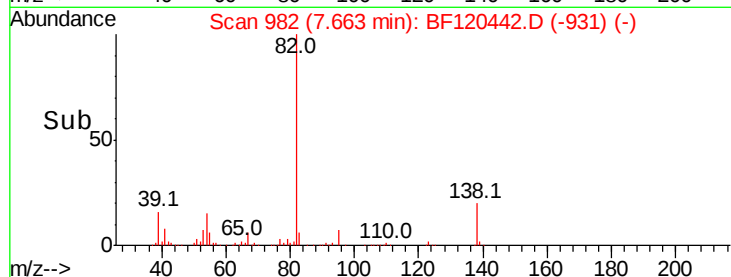
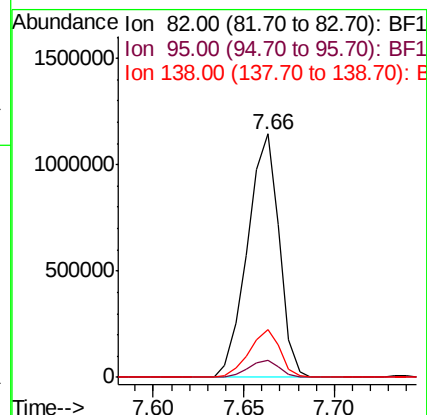
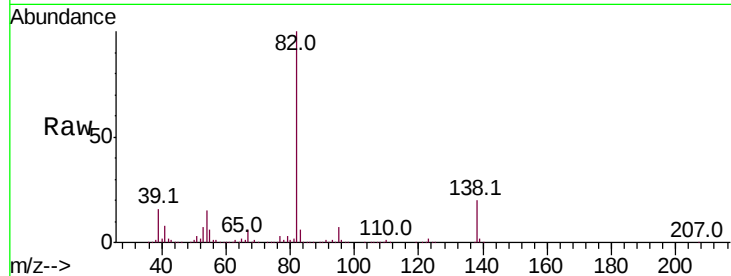
138 19.5 15.0 22.4

Manual Integrations

APPROVED

mohammad

6/1/2020 12:21:08 PM



#26

2-Nitrophenol

Concen: 48.426 ng

RT: 7.74 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

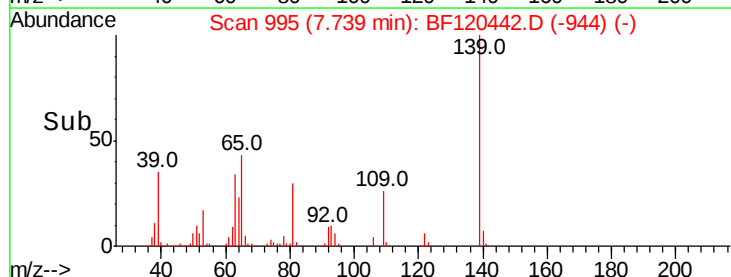
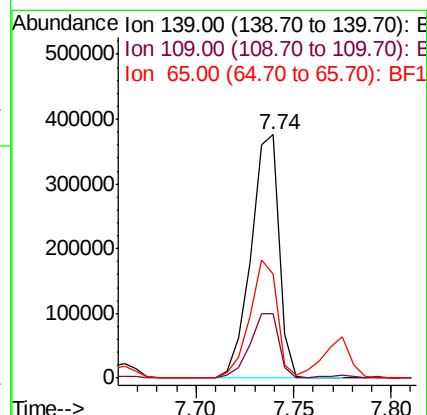
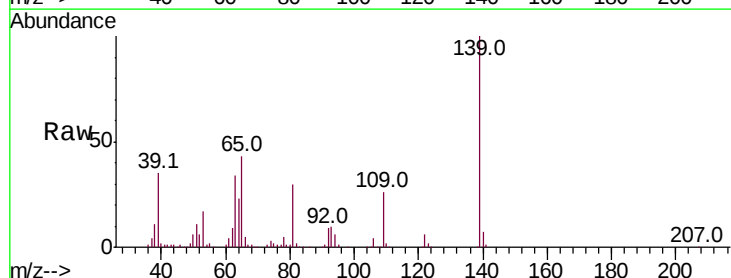
Tgt Ion: 139 Resp: 373771

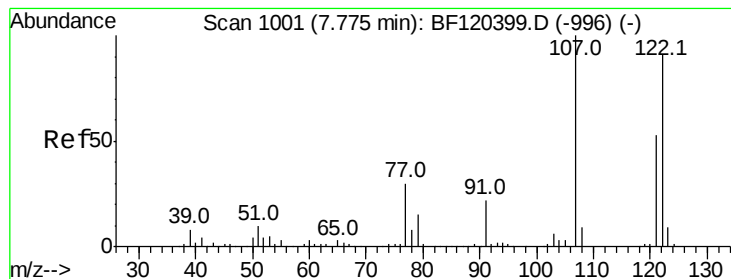
Ion Ratio Lower Upper

139 100

109 26.4 21.2 31.8

65 42.6 35.8 53.6





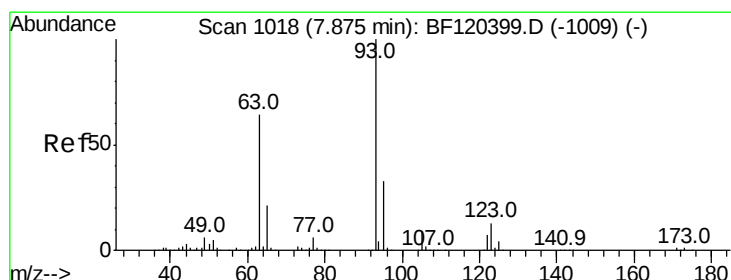
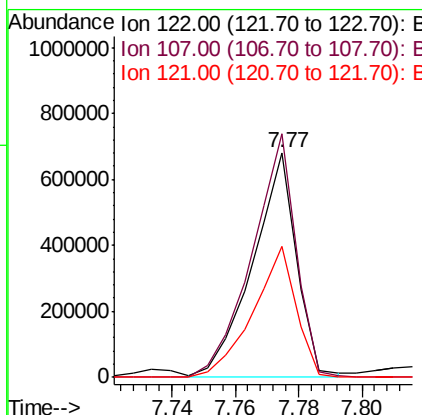
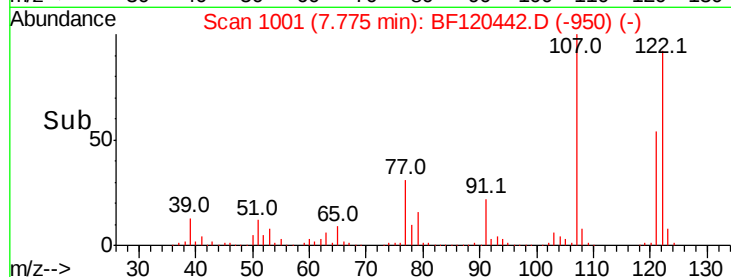
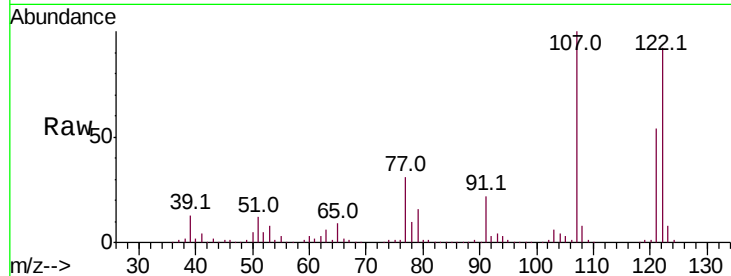
#27
 2,4-Dimethylphenol
 Concen: 48.724 ng
 RT: 7.77 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleID :
 PB129143BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.3	87.3	130.9
121	58.0	46.2	69.2

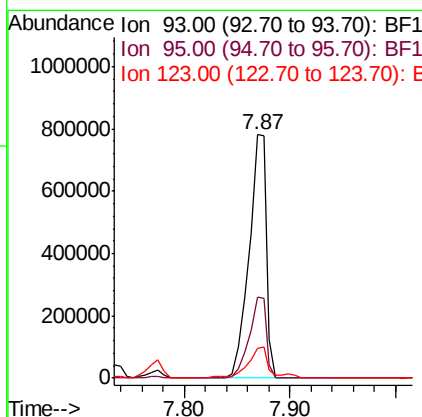
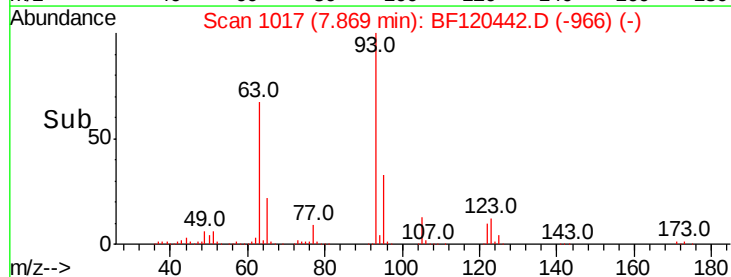
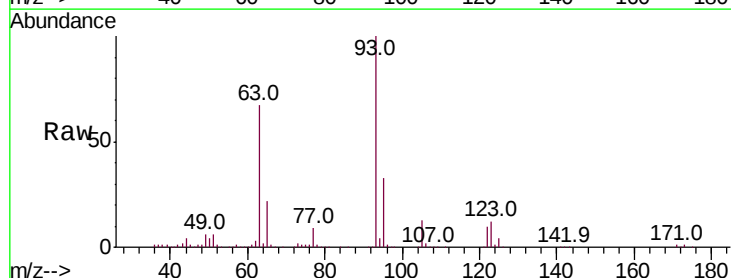
Manual Integrations
 APPROVED

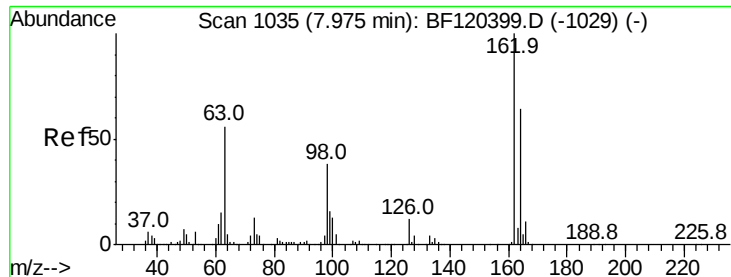
mohammad
 6/1/2020 12:21:08 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.495 ng
 RT: 7.87 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.6	39.8
123	12.3	10.3	15.5





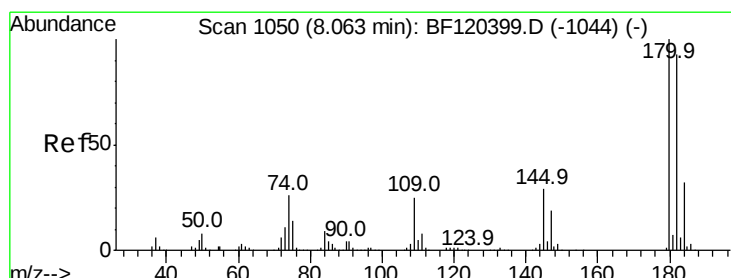
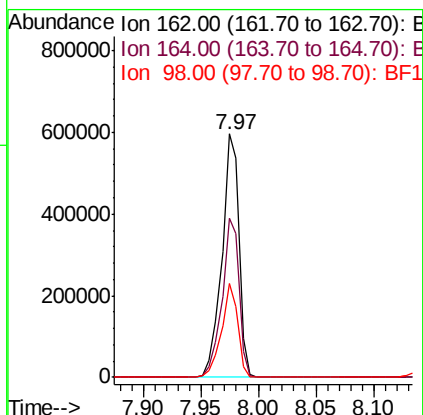
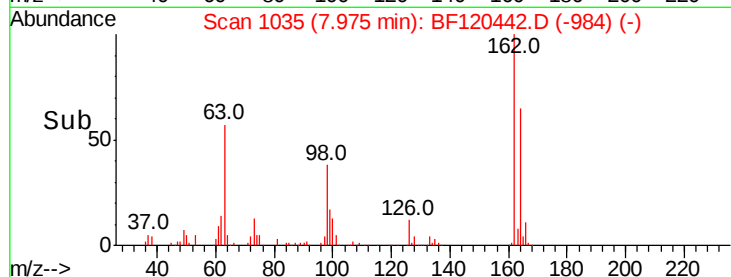
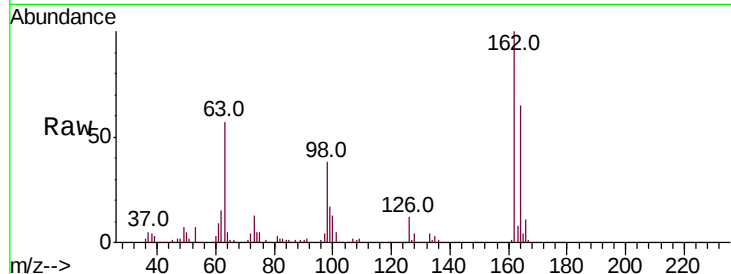
#29
2,4-Dichlorophenol
Concen: 45.300 ng
RT: 7.97 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	613298		
164	65.1	43.9	83.9	
98	38.5	17.8	57.8	

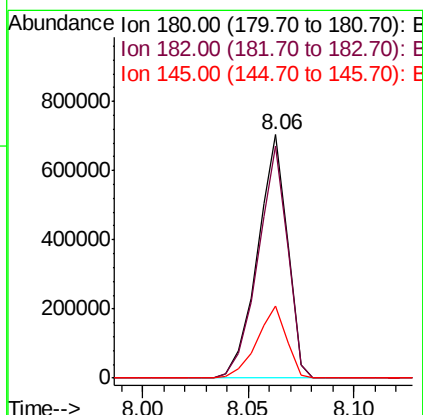
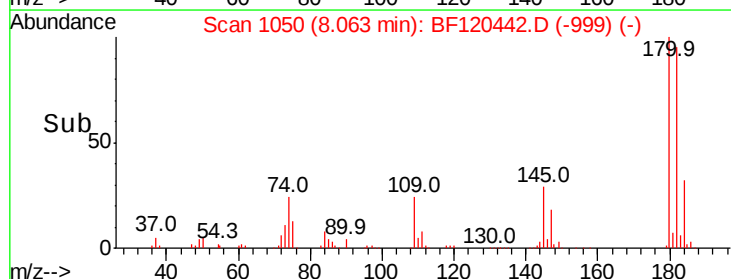
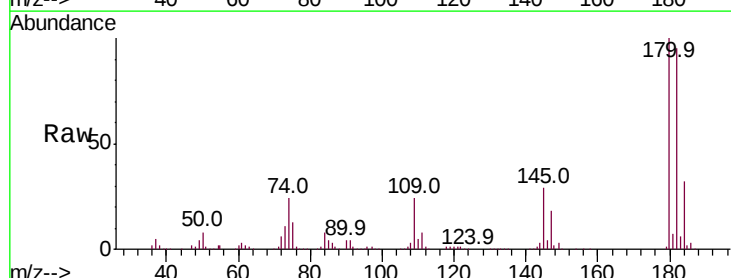
Manual Integrations
APPROVED

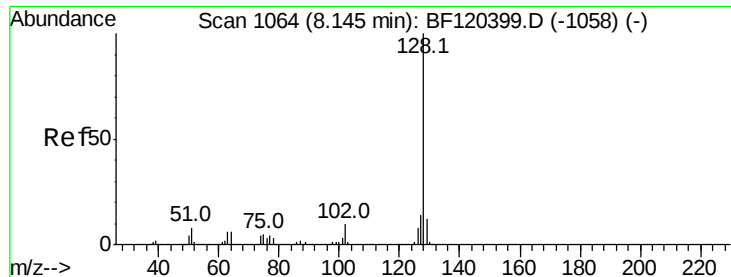
mohammad
6/1/2020 12:21:08 PM



#30
1,2,4-Trichlorobenzene
Concen: 45.420 ng
RT: 8.06 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	690087		
182	95.2	74.6	111.8	
145	29.4	23.4	35.2	





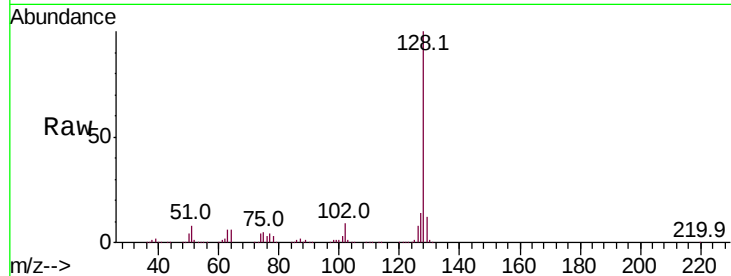
#31
Naphthalene
Concen: 44.967 ng
RT: 8.15 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.7	14.5
127	13.8	11.0	16.6

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM

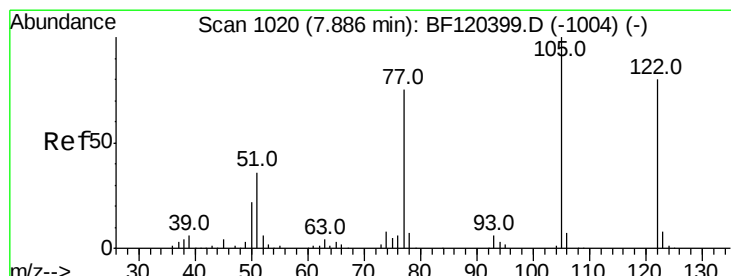
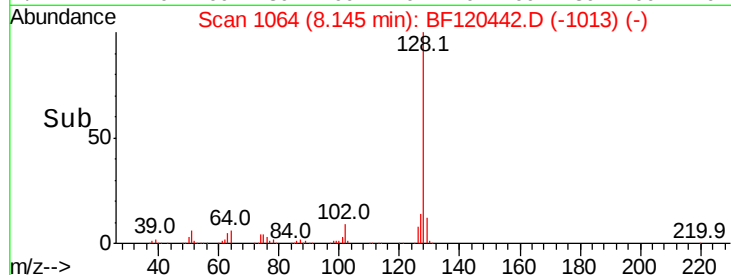
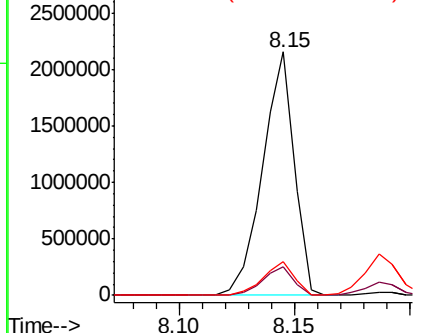


Abundance

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: 47.450 ng
RT: 7.90 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

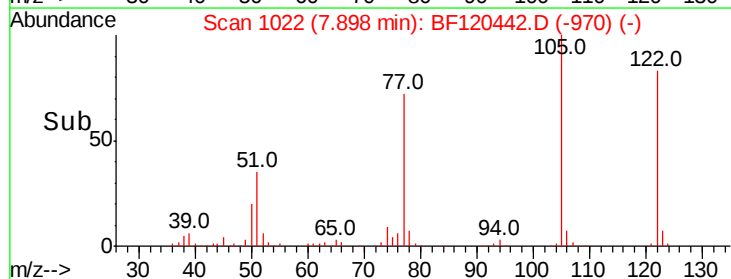
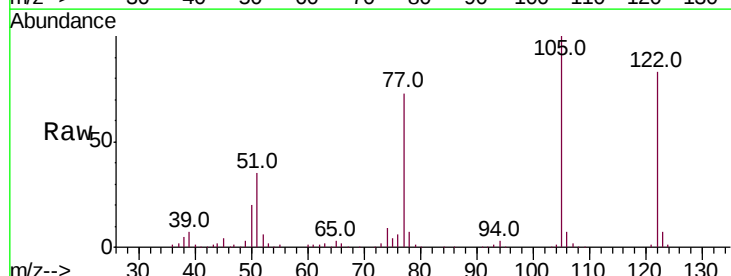
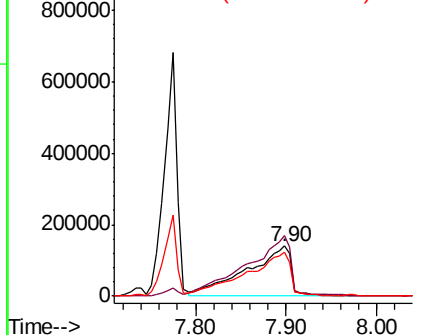
Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.9	101.1	141.1
77	87.0	71.9	111.9

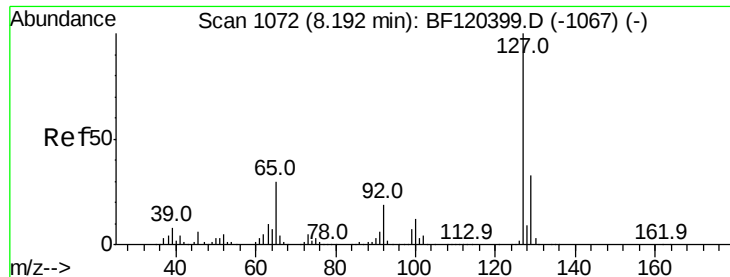
Abundance

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





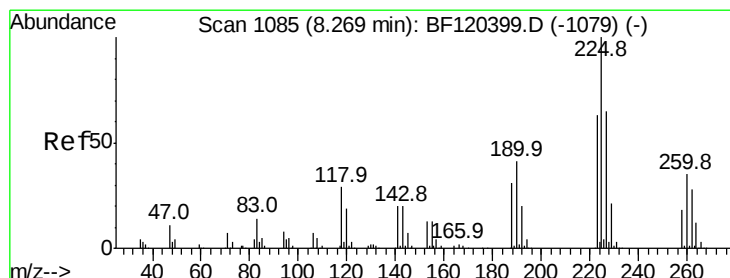
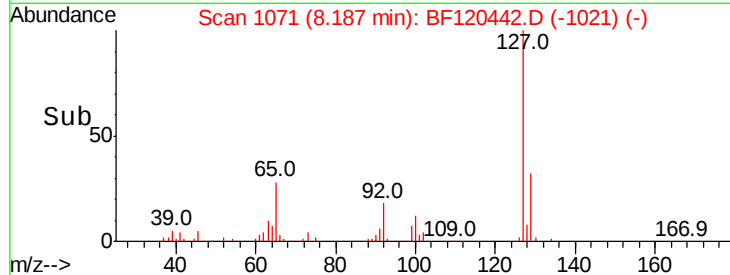
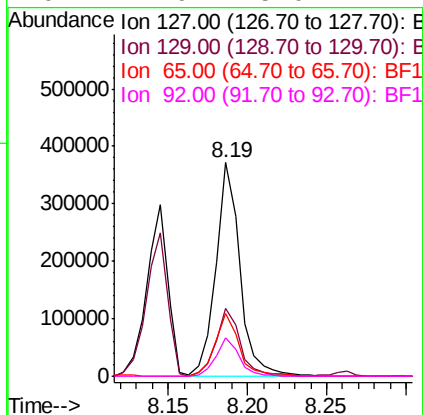
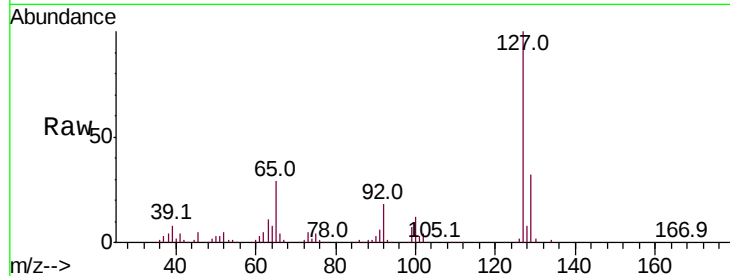
#33
 4-Chloroaniline
 Concen: 19.324 ng
 RT: 8.19 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.0	26.8	40.2		
65	29.3	23.7	35.5		
92	17.9	15.0	22.4		

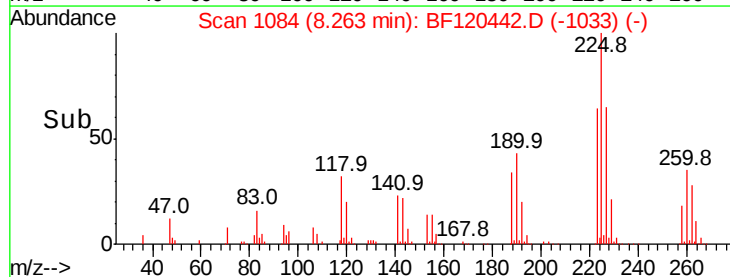
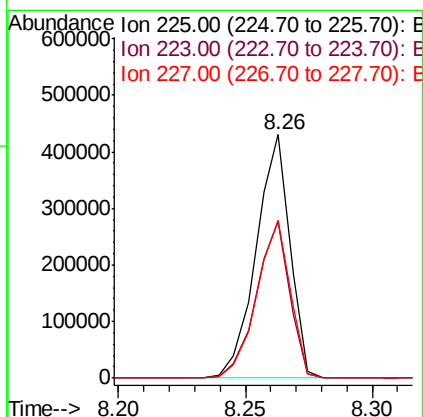
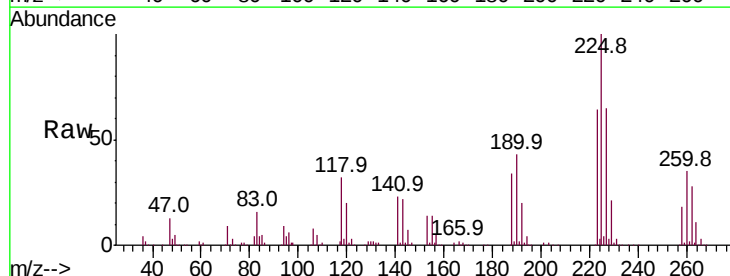
Manual Integrations
 APPROVED

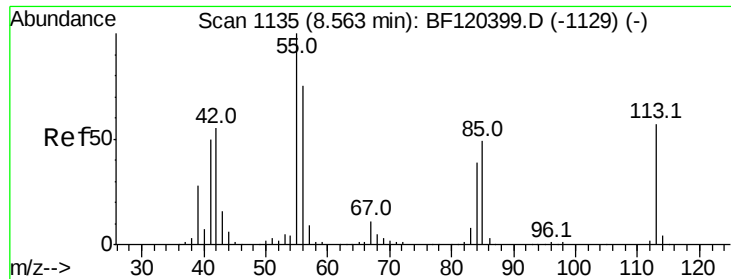
mohammad
 6/1/2020 12:21:08 PM



#34
 Hexachlorobutadiene
 Concen: 44.373 ng
 RT: 8.26 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.1	50.2	75.2		
227	65.0	52.1	78.1		





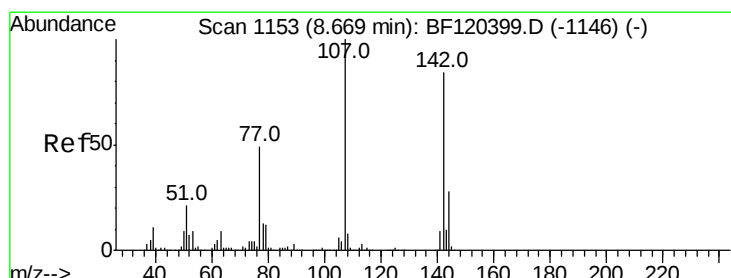
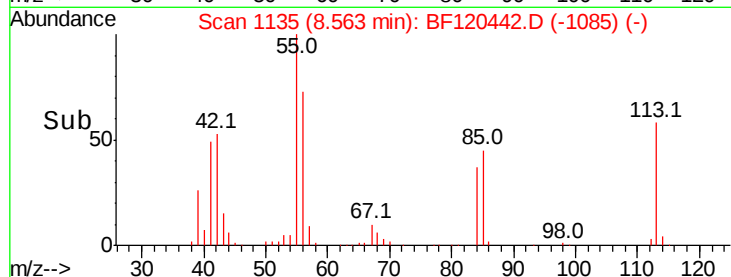
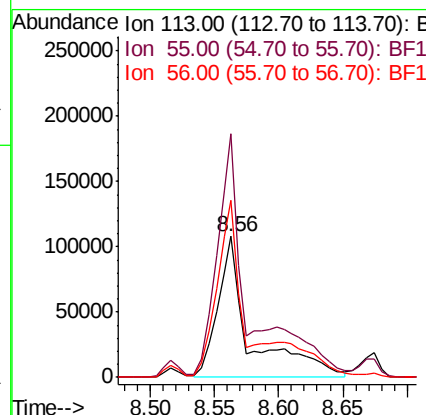
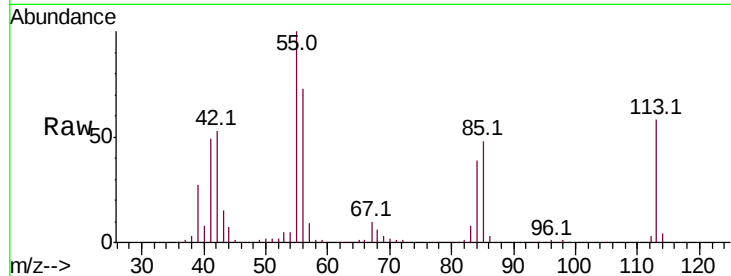
#35
 Caprolactam
 Concen: 43.662 ng/ml
 RT: 8.56 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleID :
 PB129143BS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191439		
55	173.1	154.9	194.9	
56	125.7	110.9	150.9	

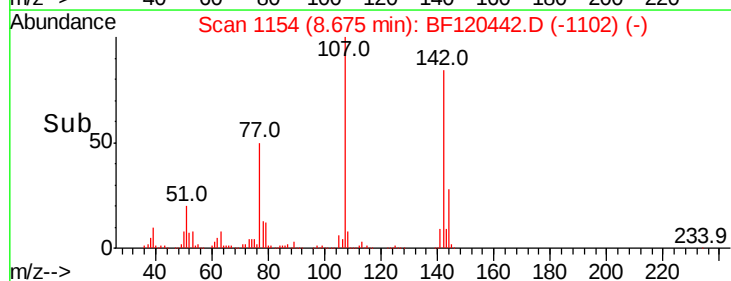
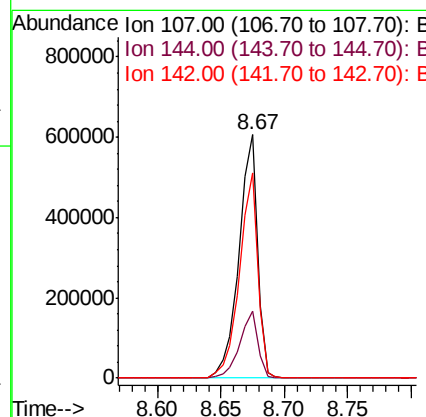
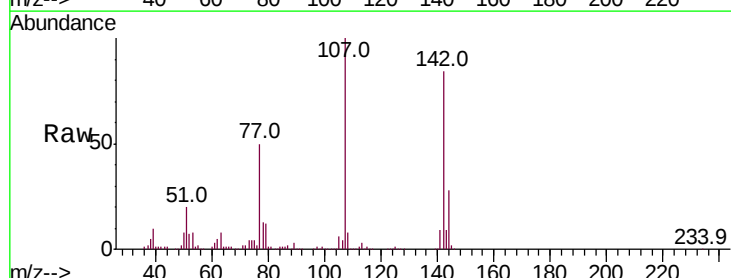
Manual Integrations
 APPROVED

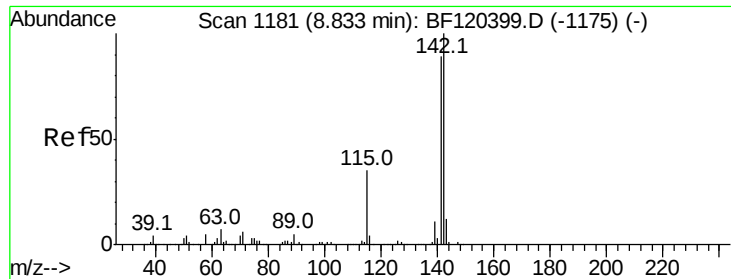
mohammad
 6/1/2020 12:21:08 PM



#36
 4-Chloro-3-methylphenol
 Concen: 44.589 ng/ml
 RT: 8.67 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	612459		
144	27.7	22.0	33.0	
142	84.3	67.0	100.4	





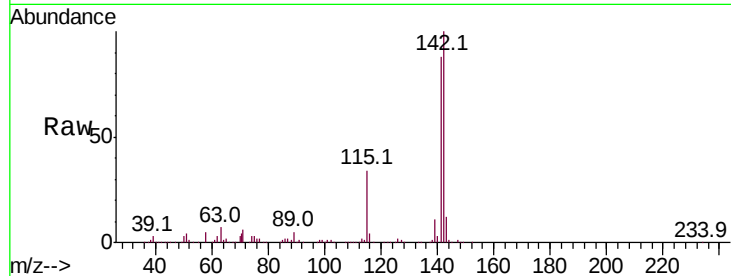
#37
2-Methylnaphthalene
Concen: 45.663 ng
RT: 8.83 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.4	107.0
115	34.5	27.8	41.8

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM

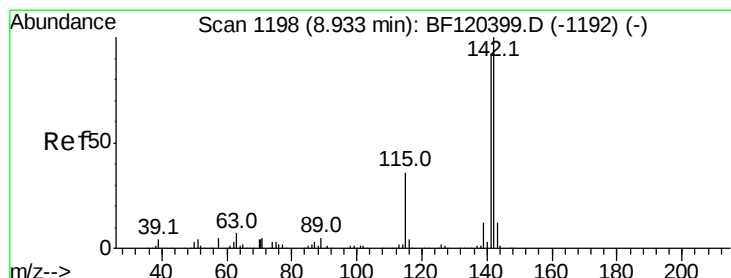
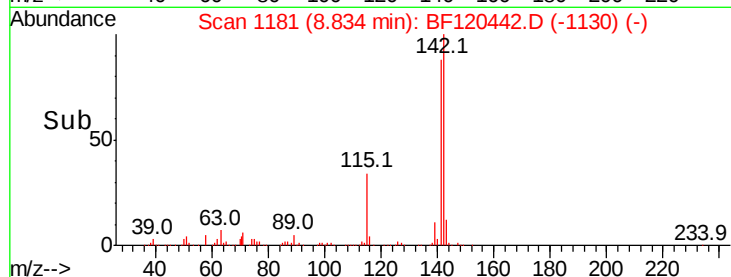
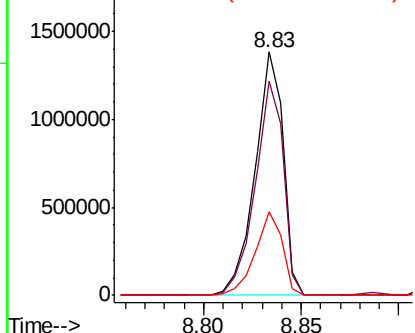


Abundance

Ion 142.00 (141.70 to 142.70): E

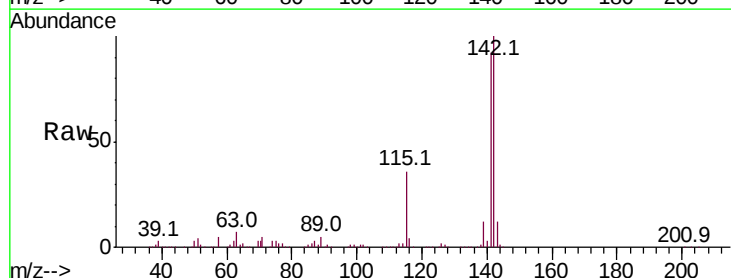
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 45.616 ng
RT: 8.93 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.9	110.9
116	3.9	3.1	4.7

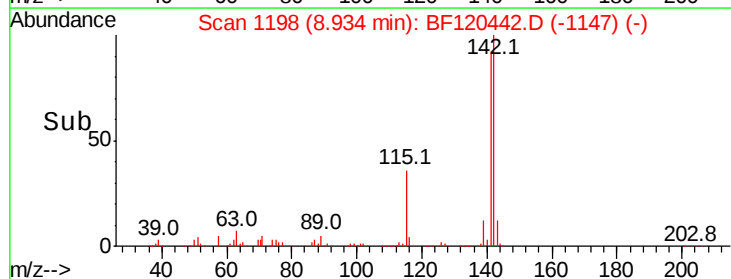
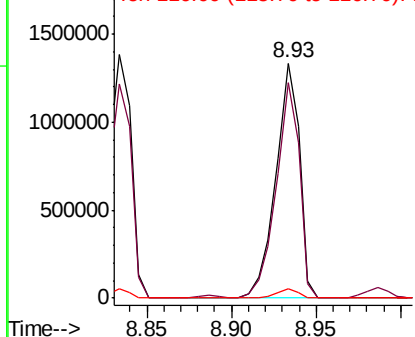


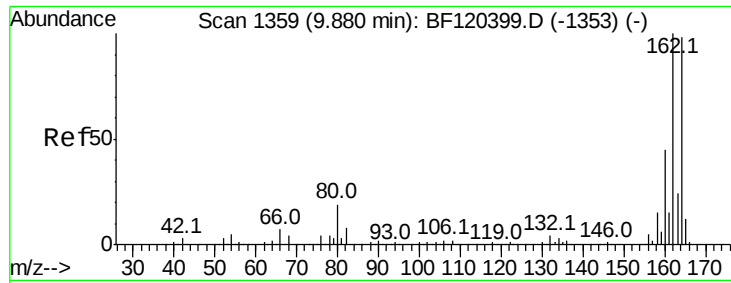
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





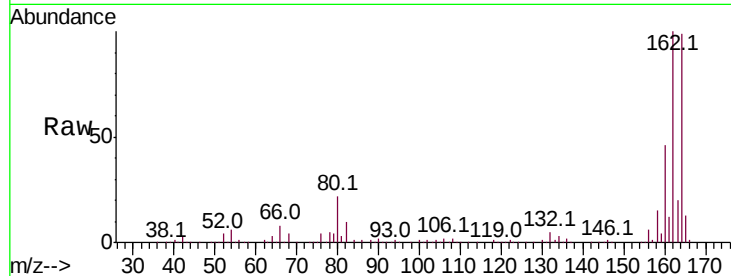
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	81.3	121.9	
160	46.4	36.9	55.3	

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM

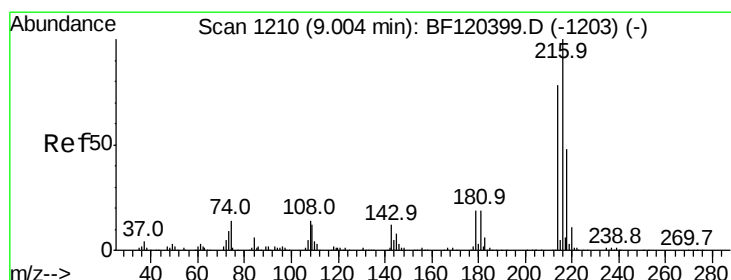
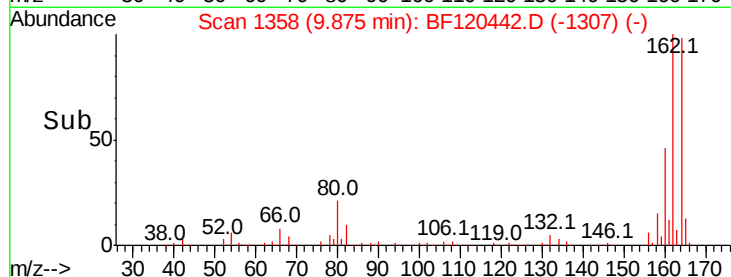
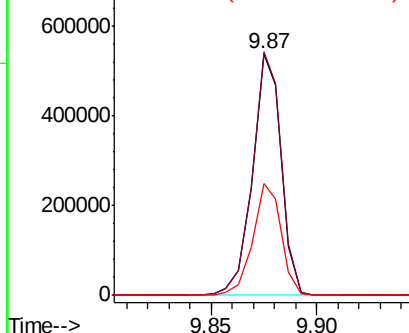


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.255 ng
RT: 9.00 min Scan# 1209
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.8	63.6	95.4	
179	20.6	16.5	24.7	
108	18.7	15.0	22.4	

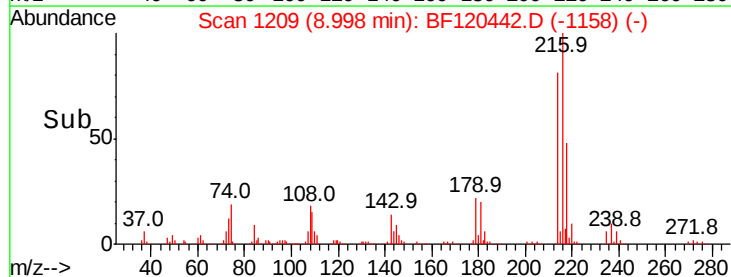
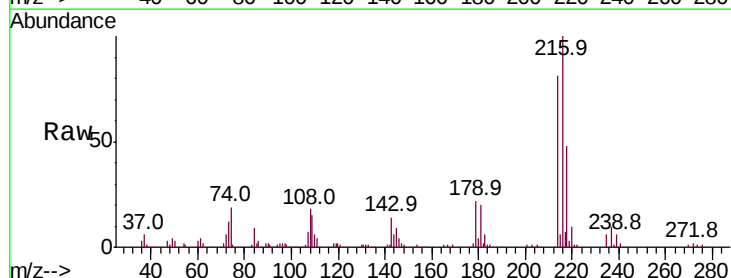
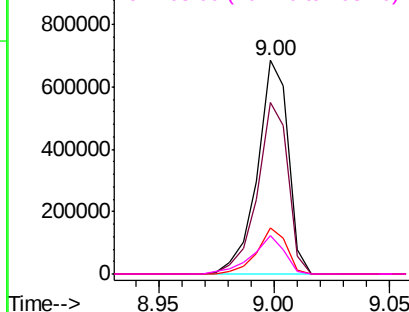
Abundance

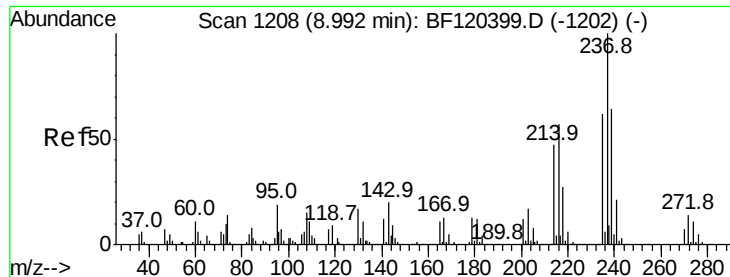
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 64.832 ng

RT: 8.99 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

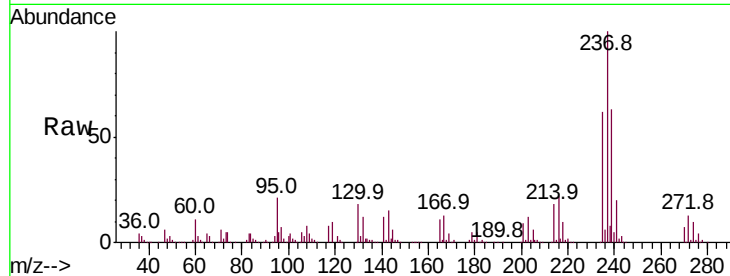
ClientSampleId :

PB129143BS

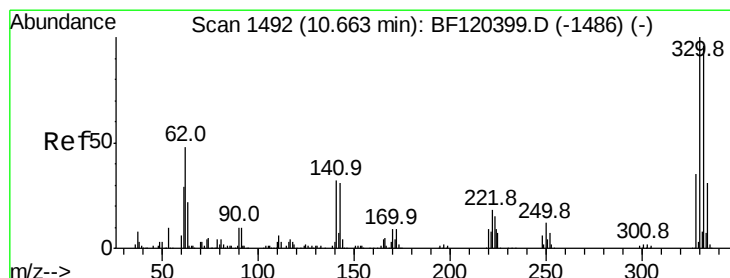
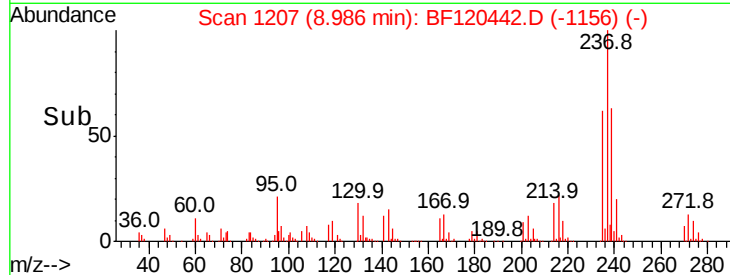
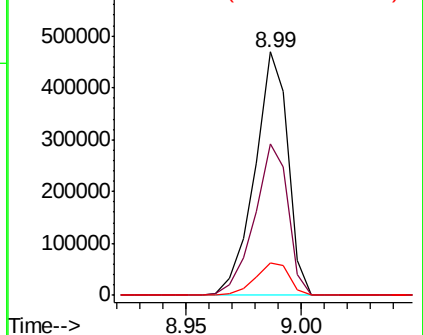
Tot Ion	Ratio	Resp	Lower	Upper
237	100	470053		
235	62.4		42.4	82.4
272	13.4		0.0	33.6

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 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: 123.024 ng

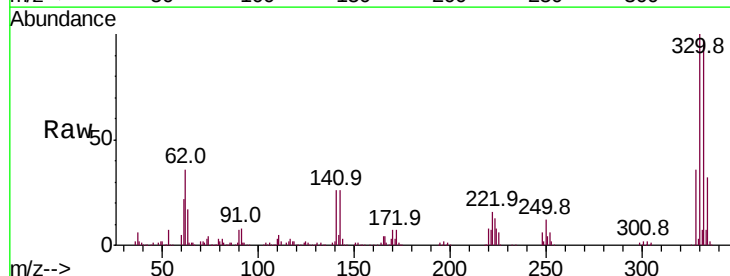
RT: 10.67 min Scan# 1493

Delta R.T. 0.01 min

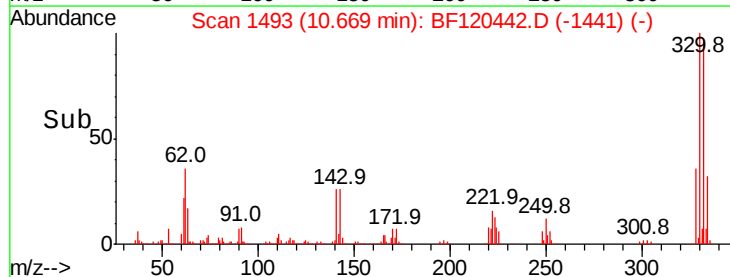
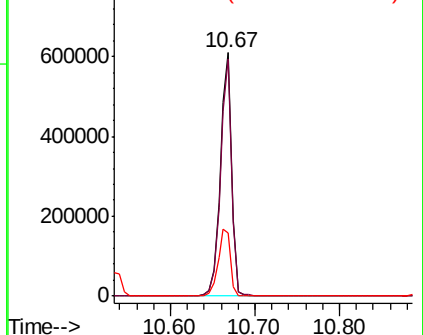
Lab File: BF120442.D

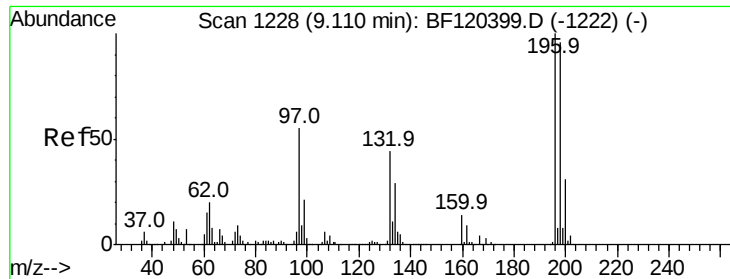
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	577435		
332	96.1		77.0	115.6
141	30.3		25.3	37.9



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





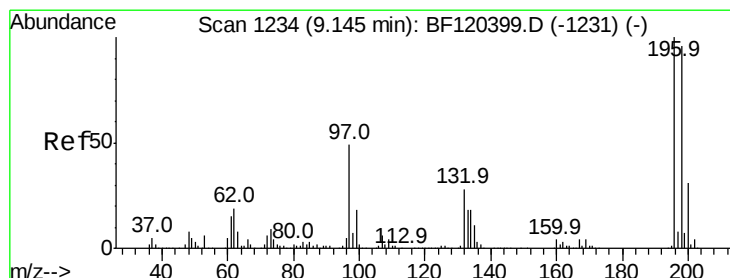
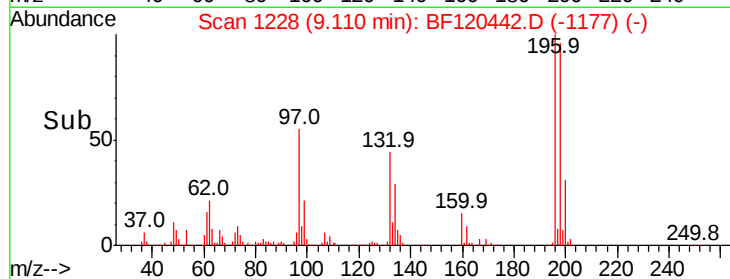
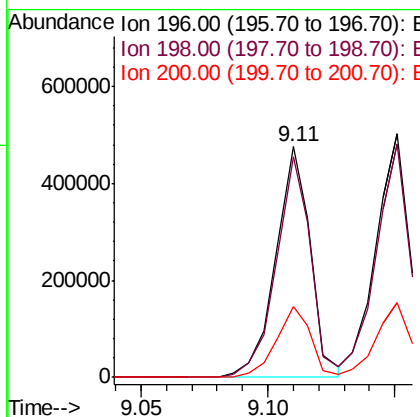
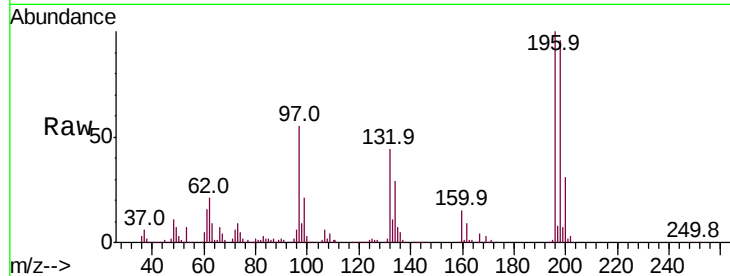
#43
 2,4,6-Trichlorophenol
 Concen: 48.354 ng
 RT: 9.11 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Tot Ion:	196	Resp:	454305
Ion Ratio	Lower	Upper	
196	100		
198	95.5	77.1	115.7
200	30.7	25.0	37.6

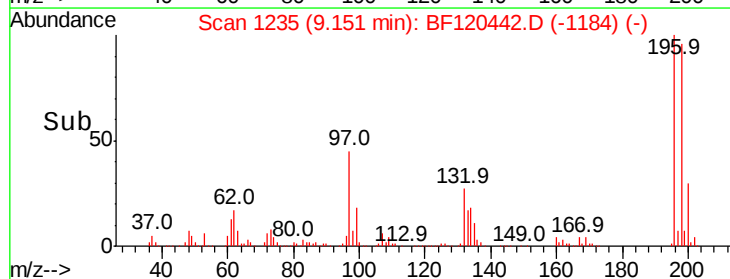
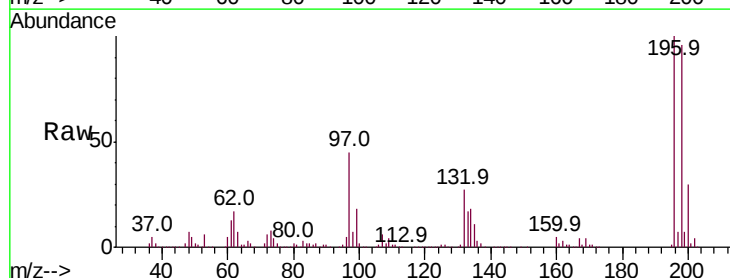
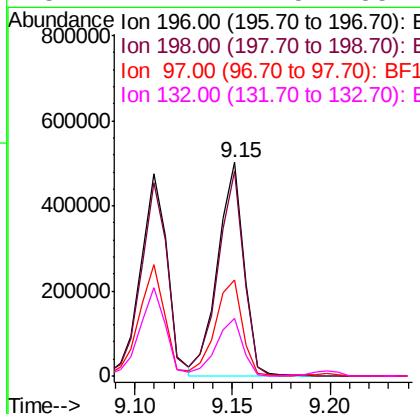
Manual Integrations
 APPROVED

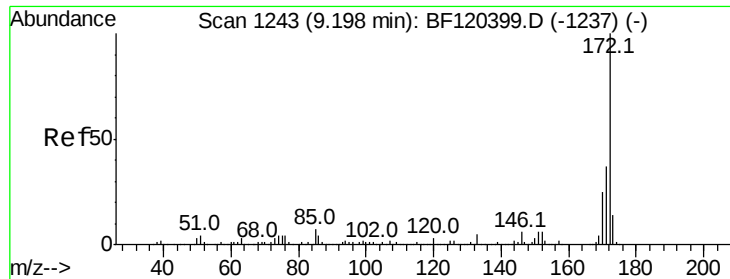
mohammad
 6/1/2020 12:21:08 PM



#44
 2,4,5-Trichlorophenol
 Concen: 43.857 ng
 RT: 9.15 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion:	196	Resp:	467085
Ion Ratio	Lower	Upper	
196	100		
198	95.8	76.6	115.0
97	44.9	39.5	59.3
132	27.1	22.5	33.7





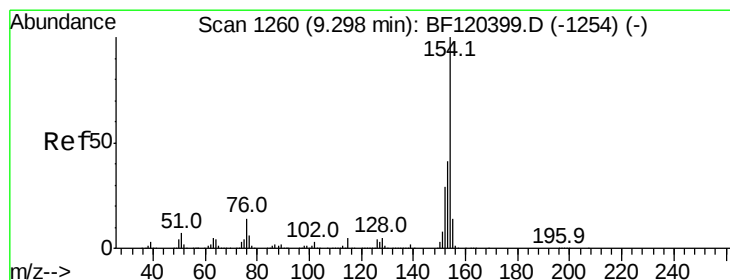
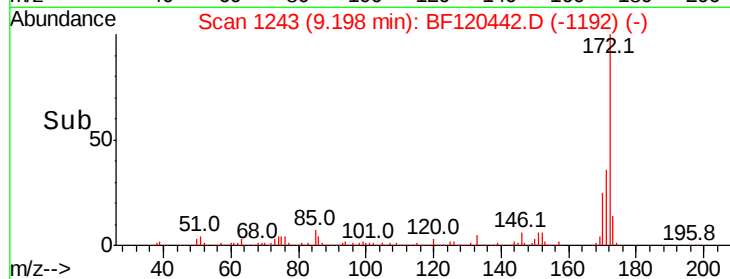
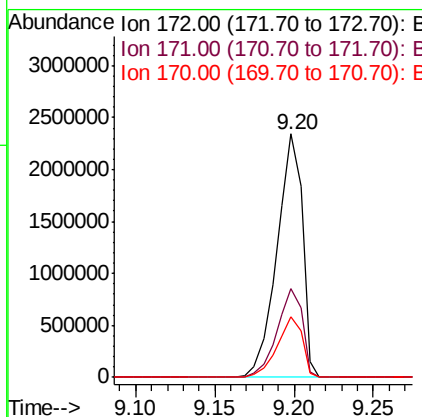
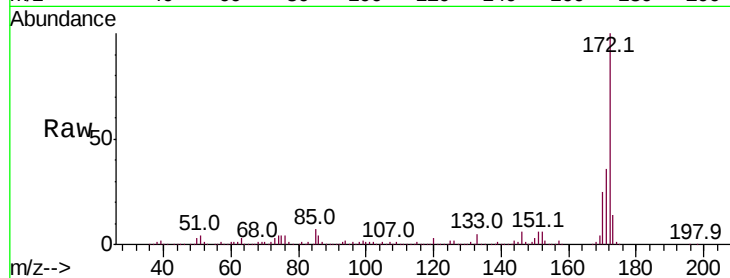
#45
2-Fluorobiphenyl
Concen: 87.356 ng
RT: 9.20 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.8	19.9	29.9

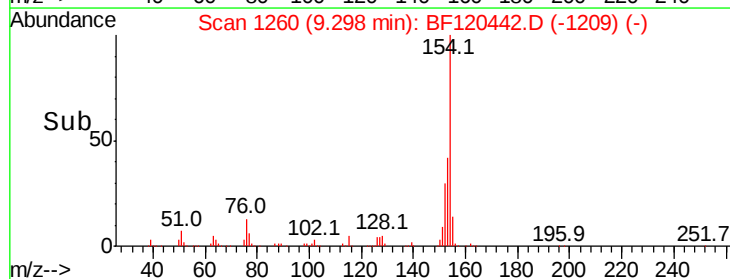
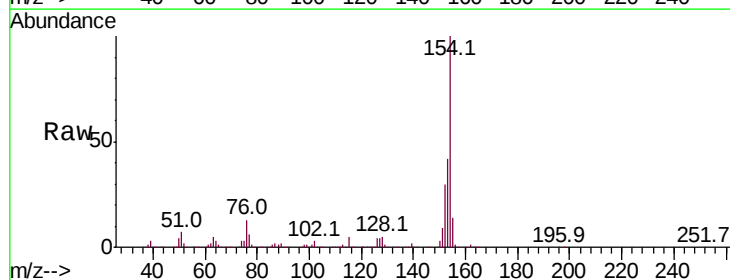
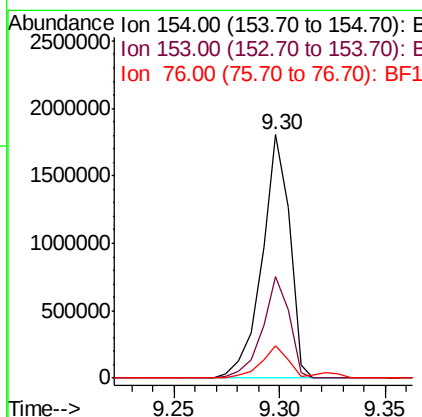
Manual Integrations
APPROVED

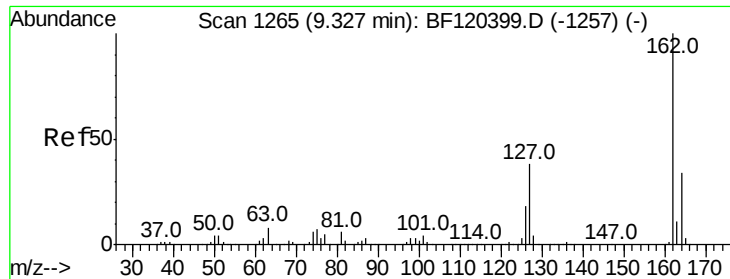
mohammad
6/1/2020 12:21:08 PM



#46
1,1'-Biphenyl
Concen: 49.141 ng
RT: 9.30 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.9	60.9
76	13.1	0.0	33.7





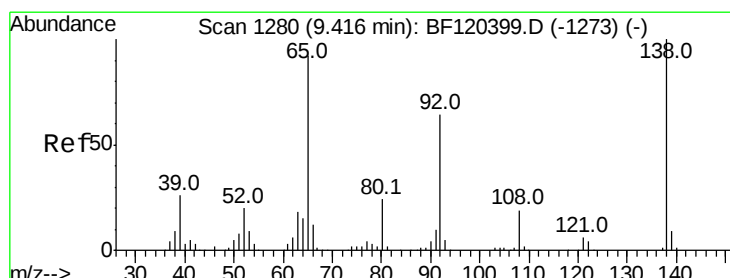
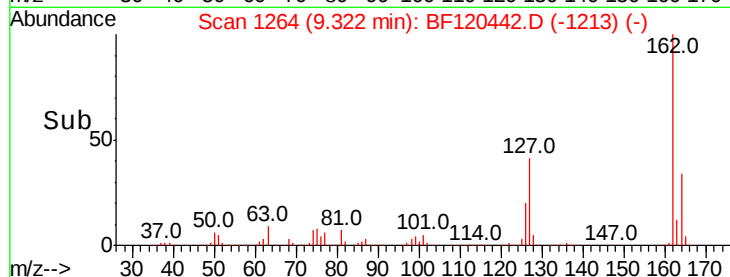
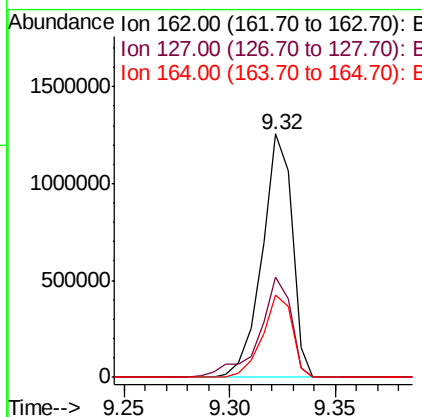
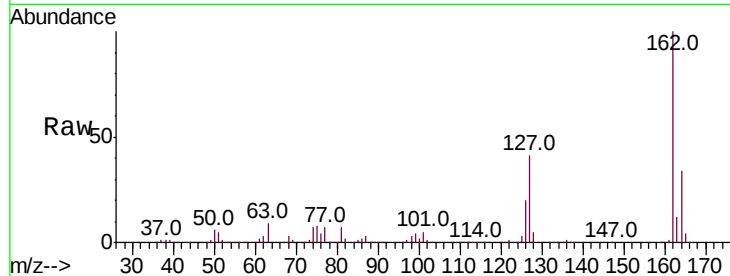
#47
 2-Chloronaphthalene
 Concen: 45.358 ng
 RT: 9.32 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.4	30.6	46.0
164	34.0	27.1	40.7

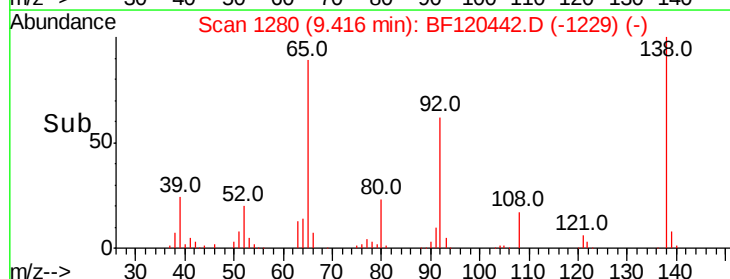
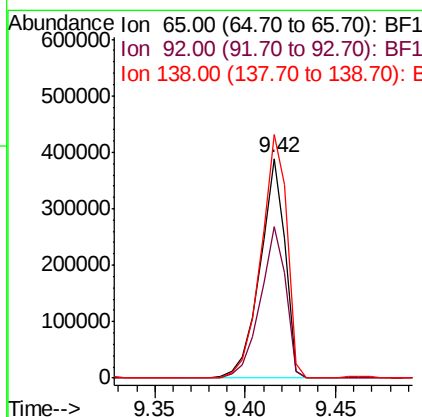
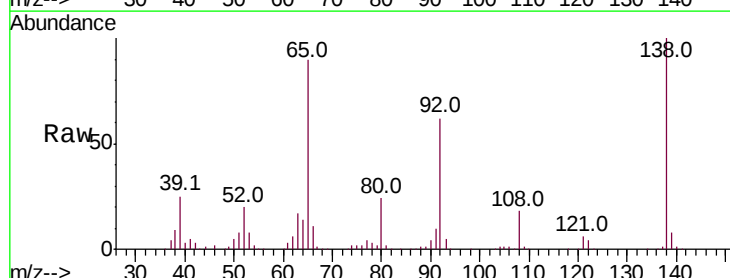
Manual Integrations
 APPROVED

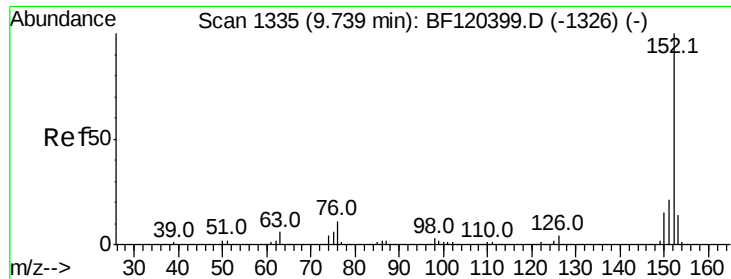
mohammad
 6/1/2020 12:21:08 PM



#48
 2-Nitroaniline
 Concen: 44.565 ng
 RT: 9.42 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.2	55.7	83.5
138	111.0	86.9	130.3





#49

Acenaphthylene

Concen: 46.101 ng

RT: 9.74 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion:152 Resp: 1952172

Ion Ratio Lower Upper

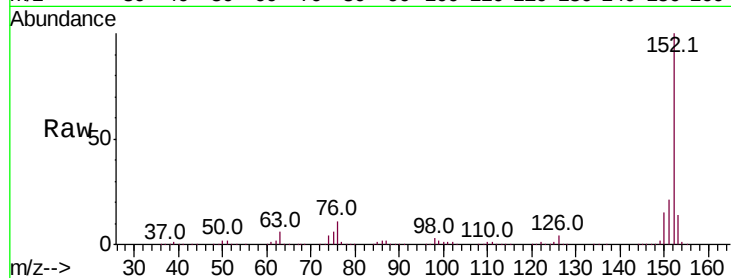
152 100

151 21.0 16.8 25.2

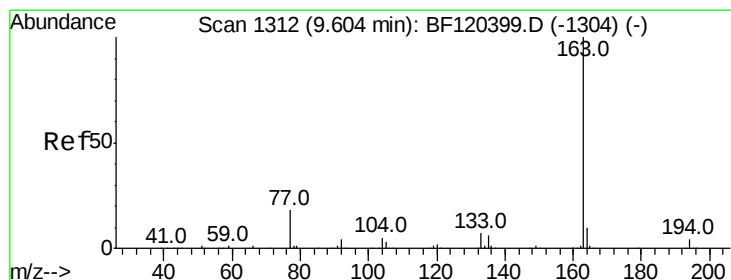
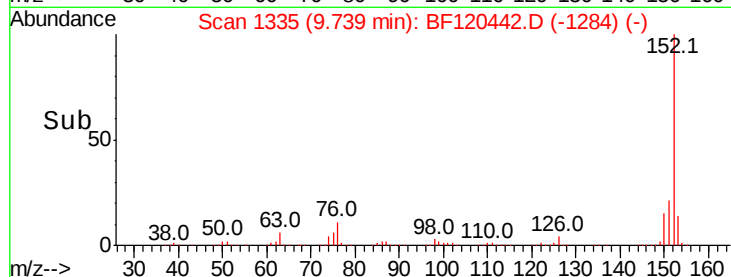
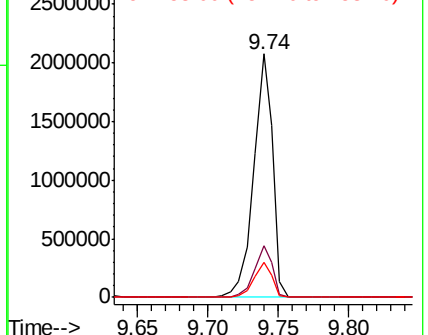
153 14.2 11.2 16.8

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



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



#50

Dimethylphthalate

Concen: 46.295 ng

RT: 9.60 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

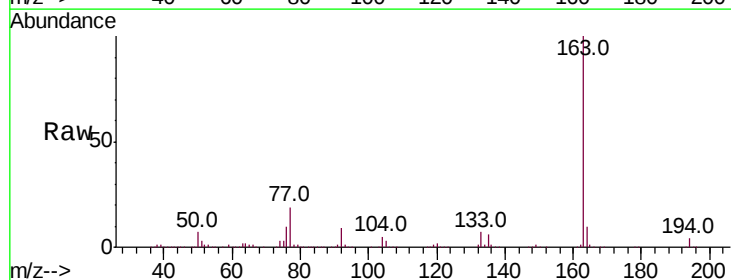
Tgt Ion:163 Resp: 1466167

Ion Ratio Lower Upper

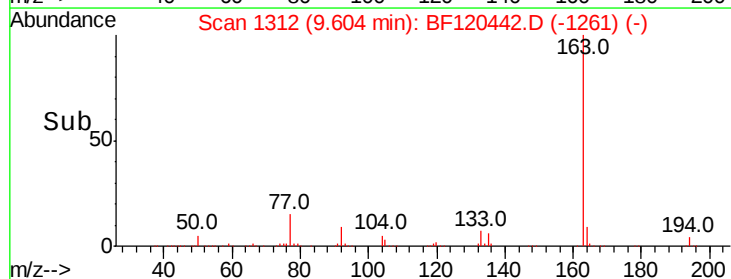
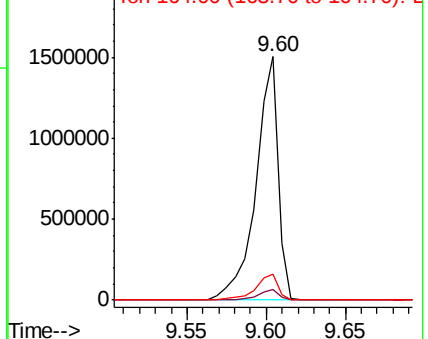
163 100

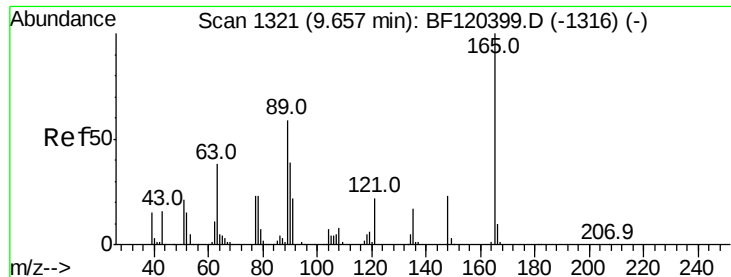
194 4.2 3.3 4.9

164 10.5 8.3 12.5



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





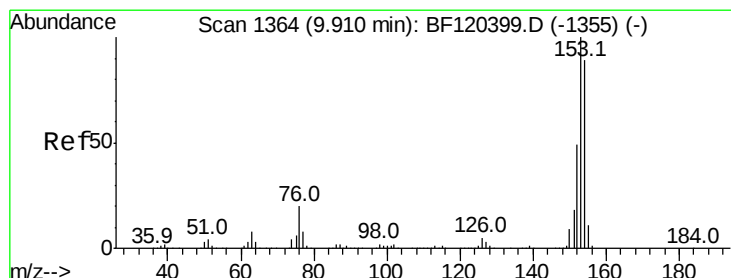
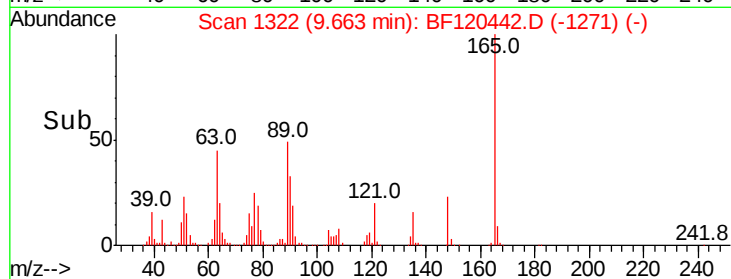
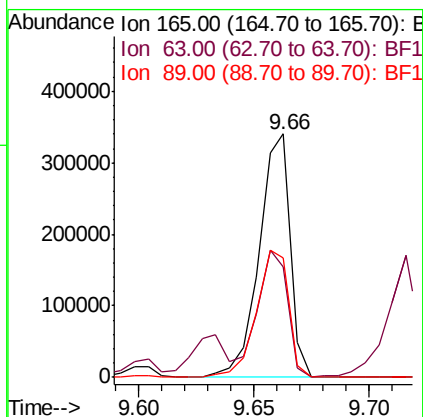
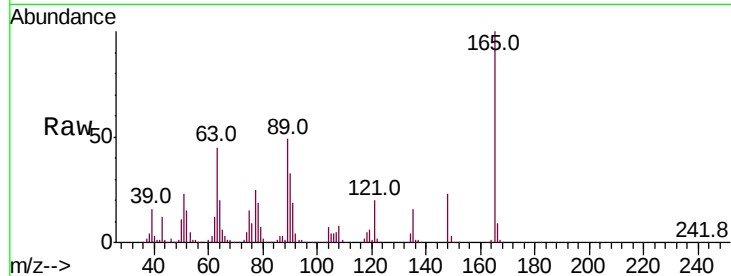
#51
 2,6-Dinitrotoluene
 Concen: 45.346 ng
 RT: 9.66 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleID :
 PB129143BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	45.3	46.9	70.3#	
89	49.0	47.5	71.3	

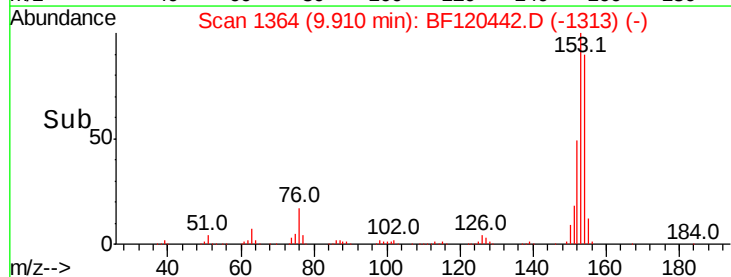
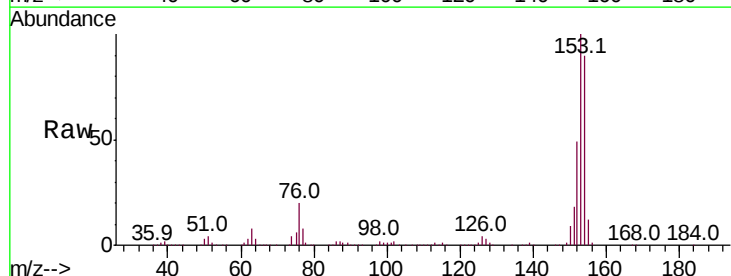
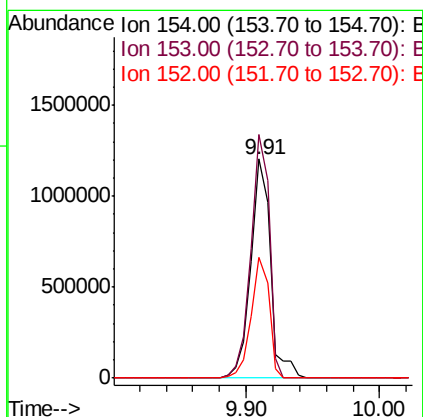
Manual Integrations
 APPROVED

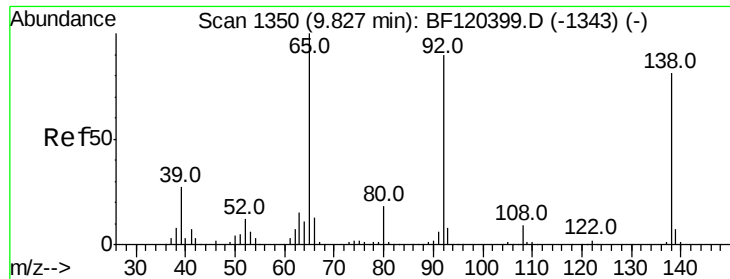
mohammad
 6/1/2020 12:21:08 PM



#52
 Acenaphthene
 Concen: 45.886 ng
 RT: 9.91 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.0	90.0	135.0	
152	54.9	43.9	65.9	





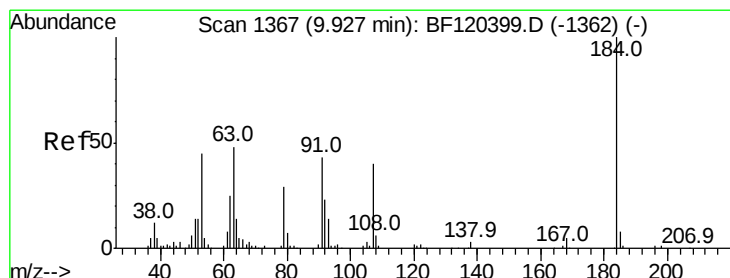
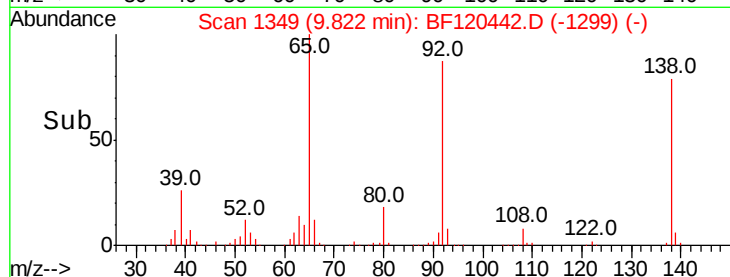
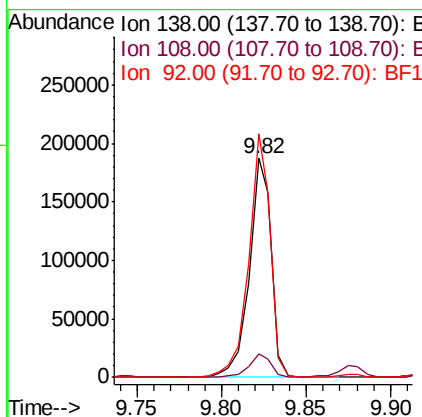
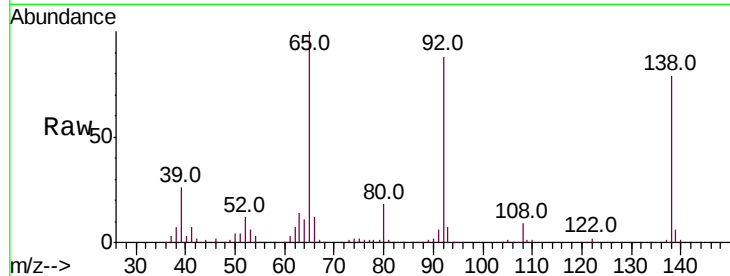
#53
3-Nitroaniline
Concen: 20.550 ng
RT: 9.82 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.5	12.7
92	111.2	89.0	133.4

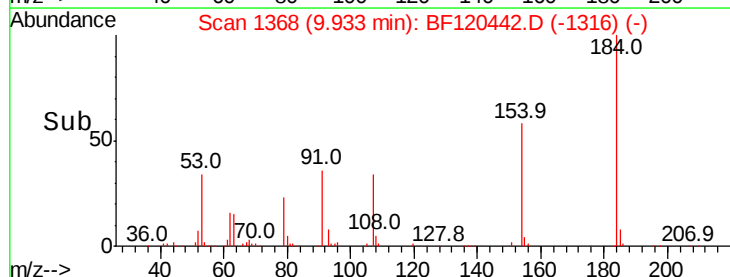
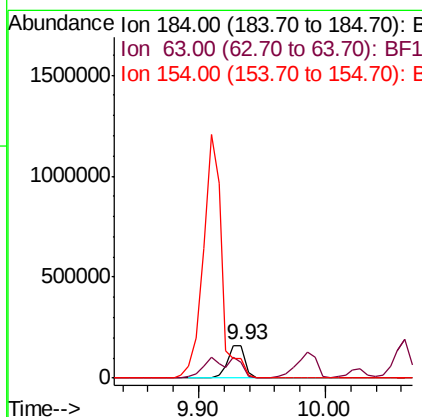
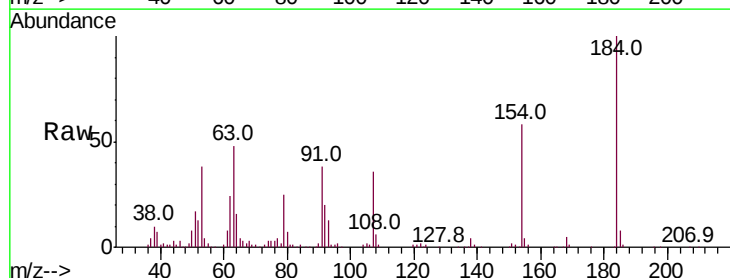
Manual Integrations
APPROVED

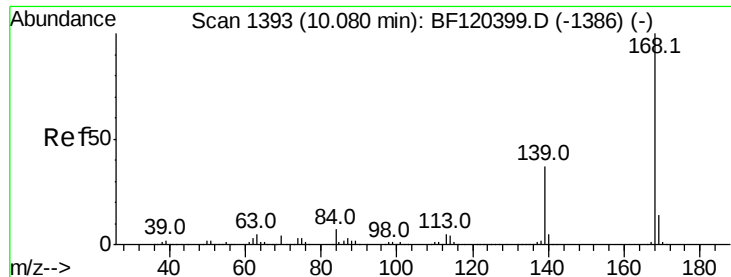
mohammad
6/1/2020 12:21:08 PM



#54
2,4-Dinitrophenol
Concen: 57.275 ng
RT: 9.93 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.4	45.9	68.9
154	57.8	46.4	69.6





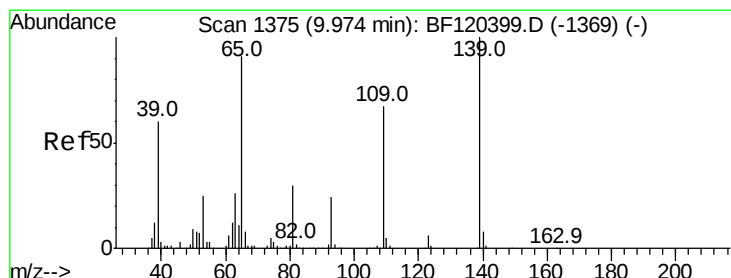
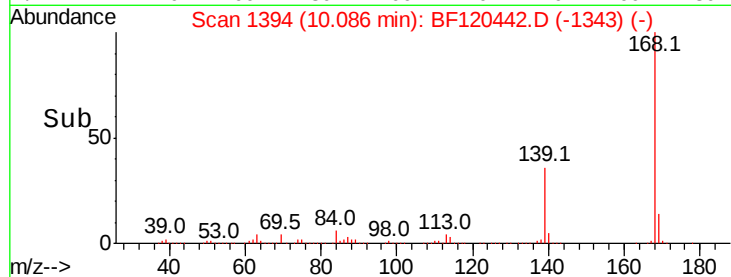
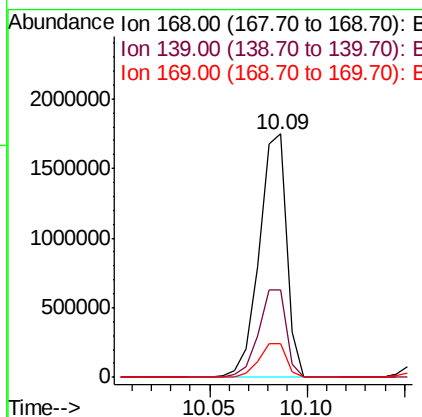
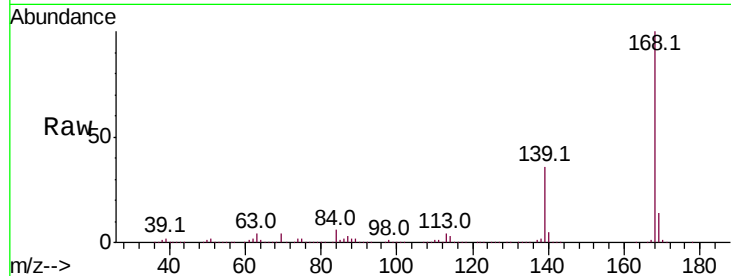
#55
Dibenzofuran
Concen: 44.334 ng
RT: 10.09 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion:168 Resp: 1702688
Ion Ratio Lower Upper
168 100
139 35.8 30.0 45.0
169 13.6 11.5 17.3

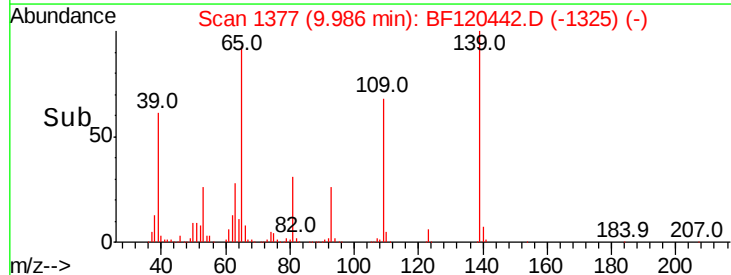
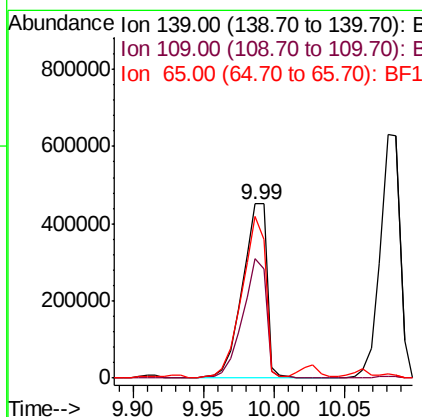
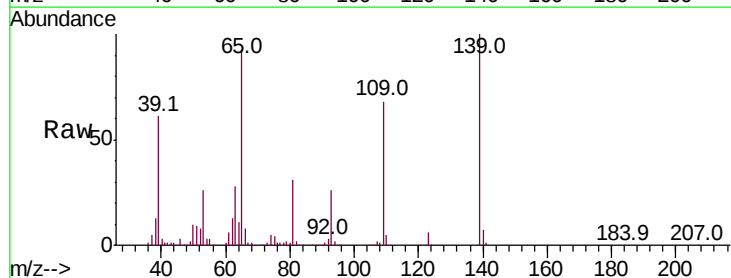
Manual Integrations
APPROVED

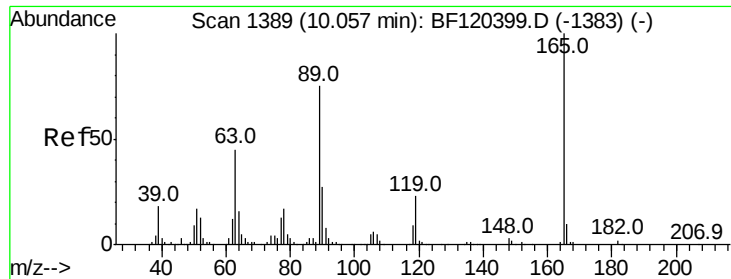
mohammad
6/1/2020 12:21:08 PM



#56
4-Nitrophenol
Concen: 86.232 ng
RT: 9.99 min Scan# 1377
Delta R.T. 0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion:139 Resp: 545624
Ion Ratio Lower Upper
139 100
109 68.4 47.3 87.3
65 93.2 71.5 111.5





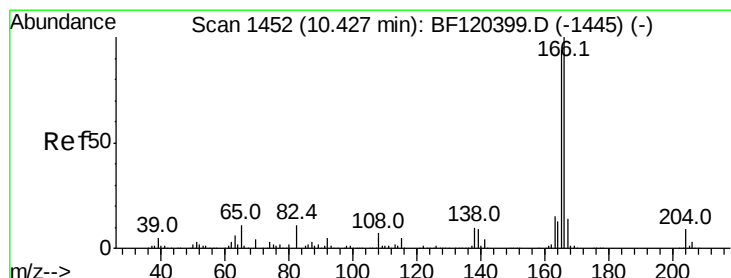
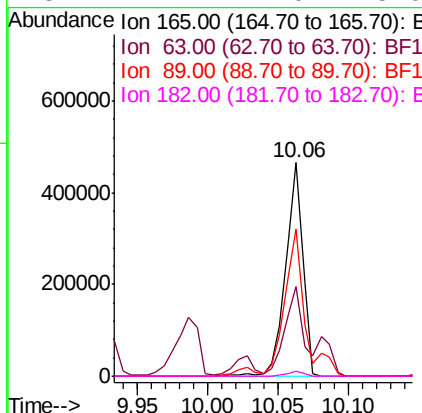
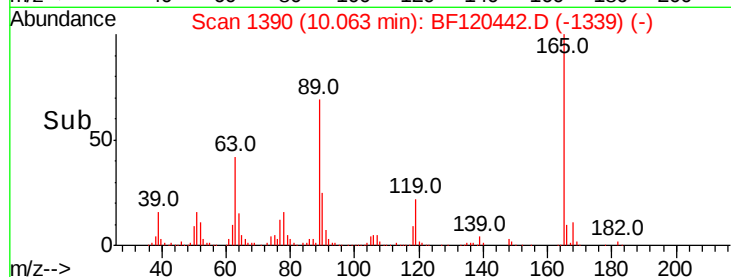
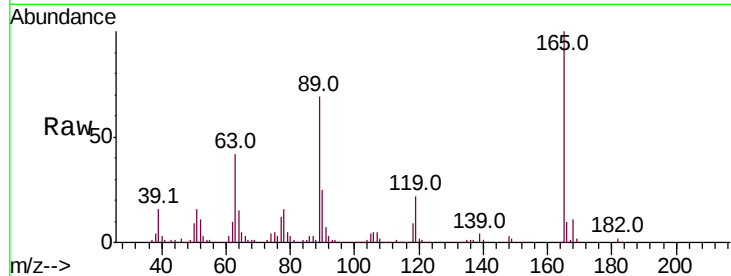
#57
 2,4-Dinitrotoluene
 Concen: 44.351 ng
 RT: 10.06 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	399497		
63	41.9		35.9	53.9
89	69.2		60.0	90.0
182	2.4		2.0	3.0

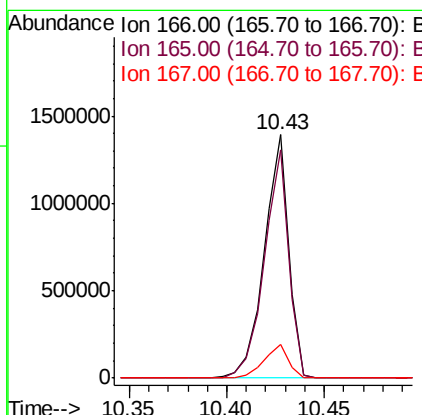
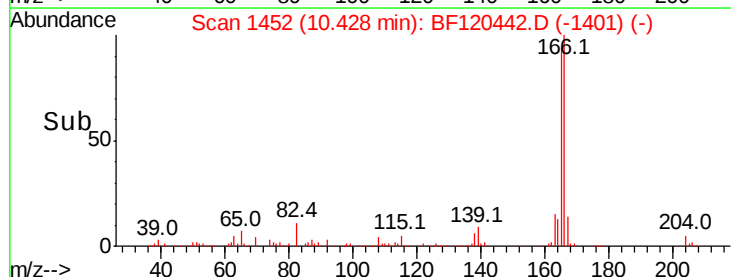
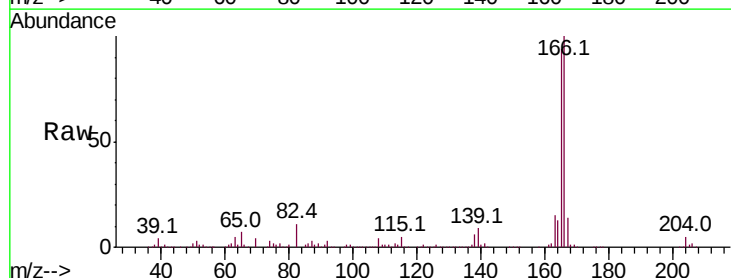
Manual Integrations
 APPROVED

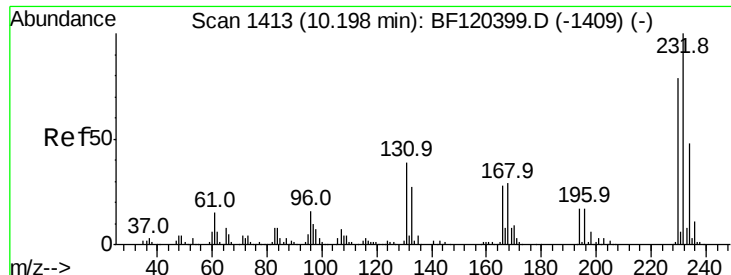
mohammad
 6/1/2020 12:21:08 PM



#58
 Fluorene
 Concen: 41.718 ng
 RT: 10.43 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1202345		
165	93.7		75.6	113.4
167	13.8		10.9	16.3





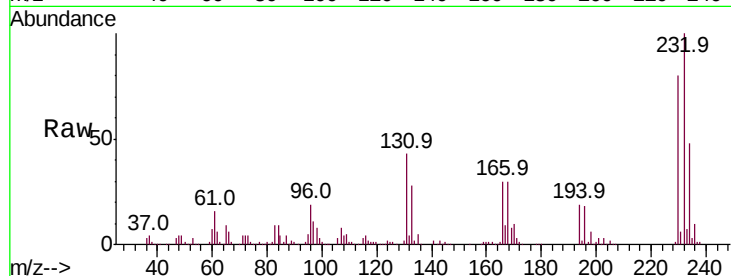
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.131 ng
 RT: 10.20 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

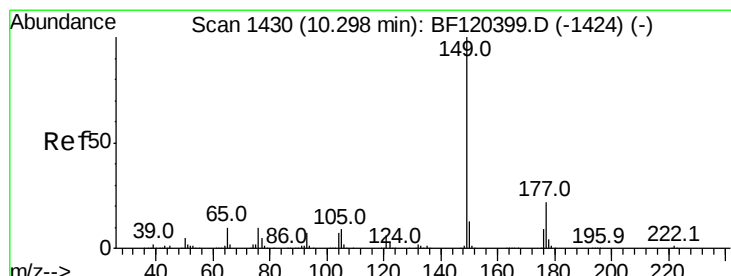
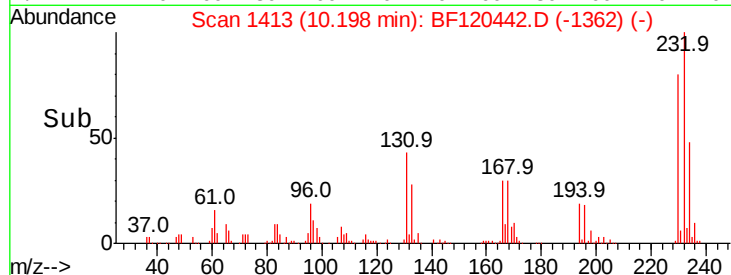
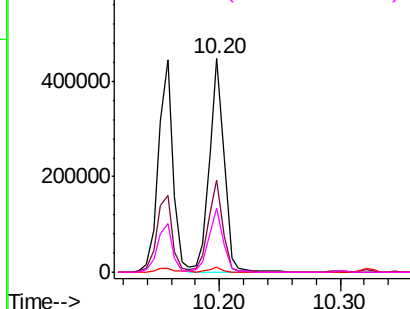
Tot Ion	Ratio	Resp	Lower	Upper
232	100	374543		
131	42.6		34.6	51.8
130	2.0		1.7	2.5
166	29.5		23.7	35.5

Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:21:08 PM

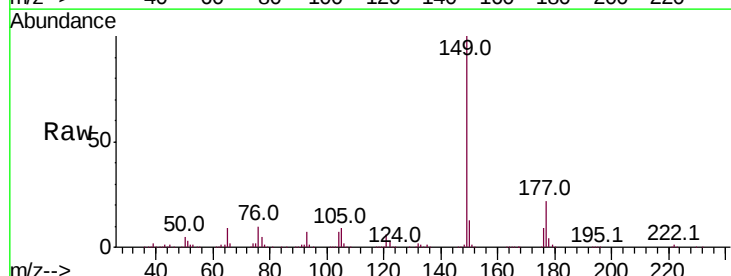


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

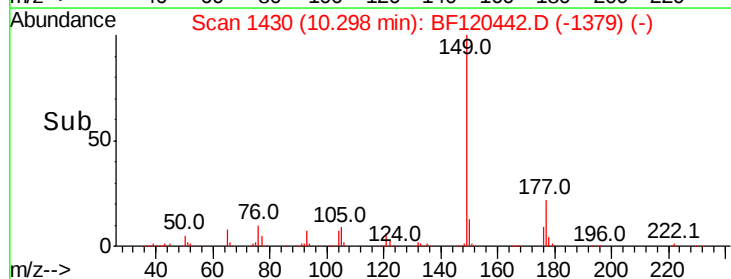
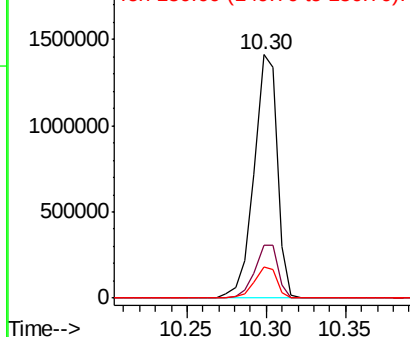


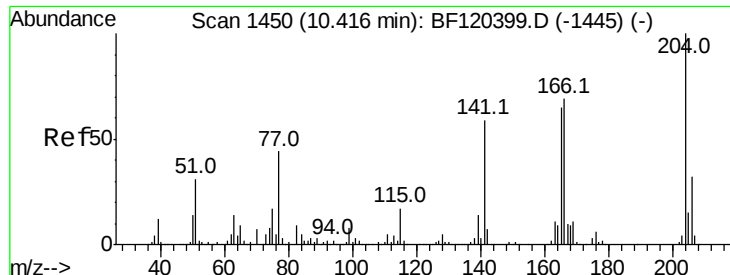
#60
 Diethylphthalate
 Concen: 45.144 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1444762		
177	21.7		17.4	26.2
150	12.9		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





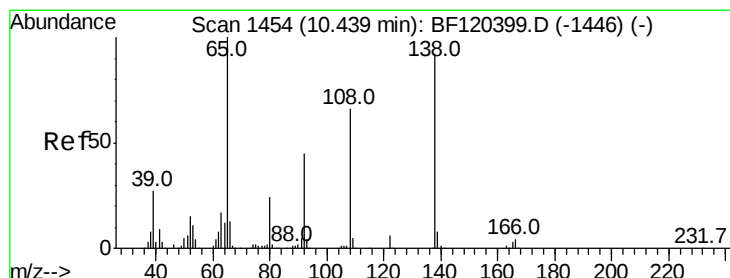
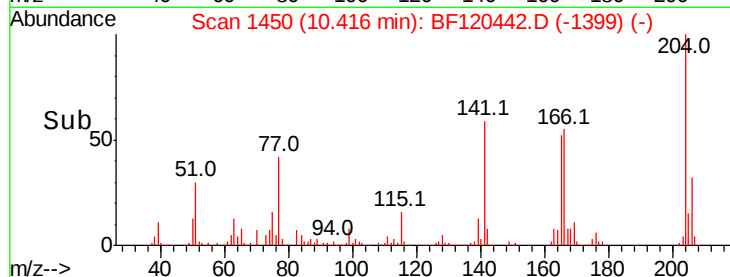
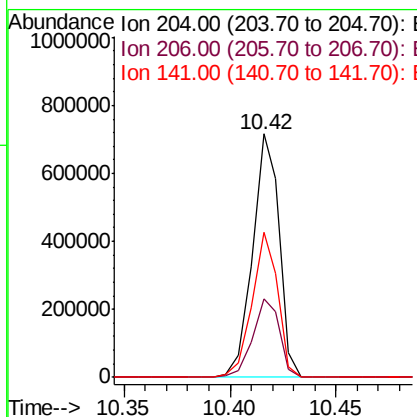
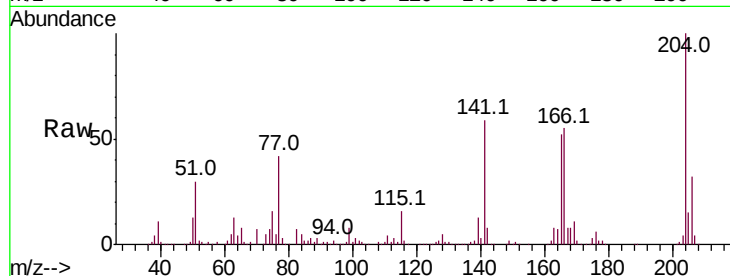
#61
 4-Chlorophenyl-phenylether
 Concen: 40.156 ng
 RT: 10.42 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampled :
 PB129143BS

Tot Ion:	204	Resp:	627451
Ion Ratio	Lower	Upper	
204	100		
206	32.5	25.8	38.8
141	59.3	47.2	70.8

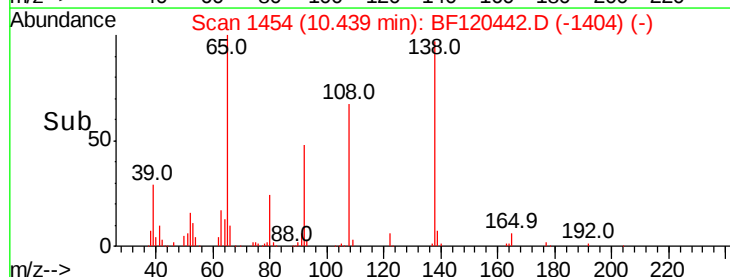
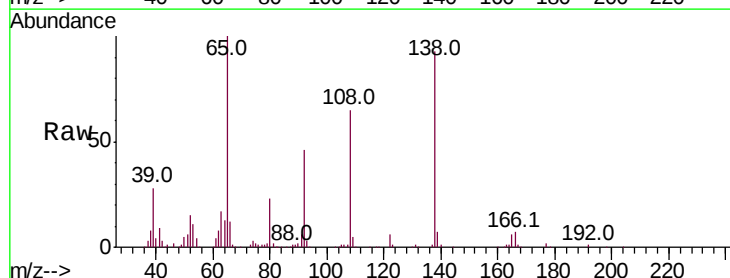
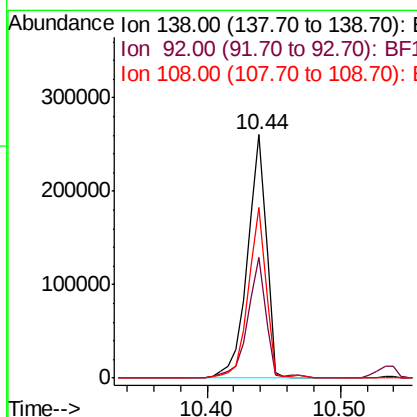
Manual Integrations
 APPROVED

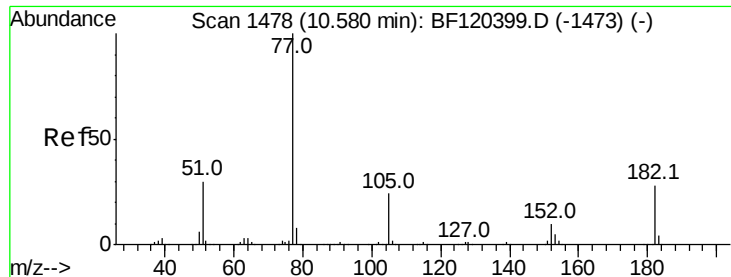
mohammad
 6/1/2020 12:21:08 PM



#62
 4-Nitroaniline
 Concen: 32.293 ng
 RT: 10.44 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion:	138	Resp:	251965
Ion Ratio	Lower	Upper	
138	100		
92	49.4	29.3	69.3
108	70.1	51.8	91.8





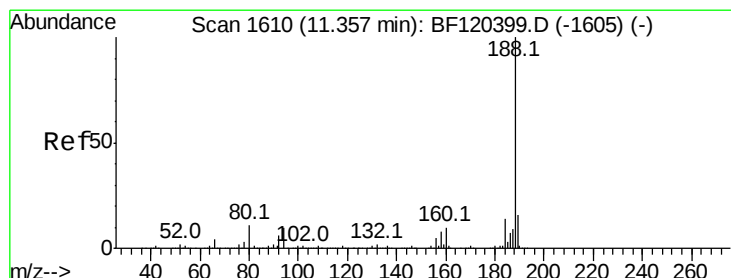
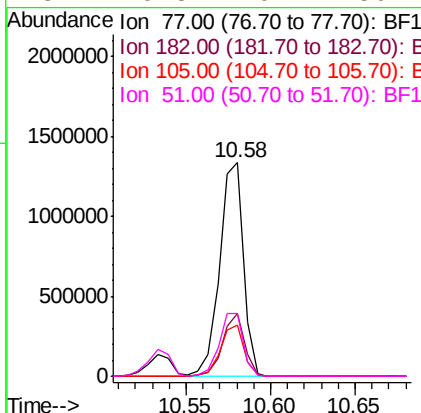
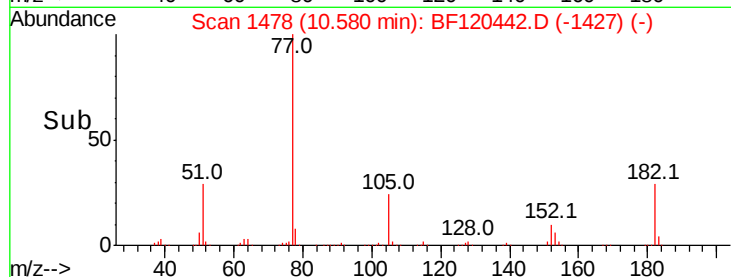
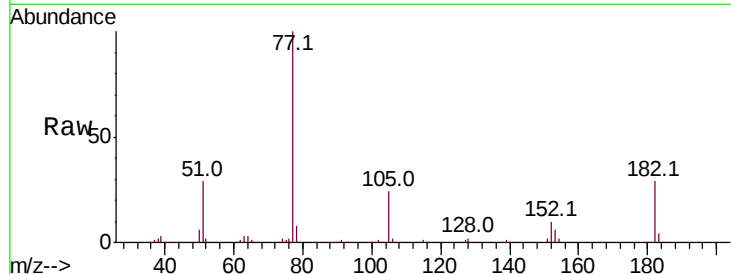
#63
Azobenzene
Concen: 43.291 ng
RT: 10.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	29.3	8.1	48.1	
105	23.9	3.8	43.8	
51	29.3	10.1	50.1	

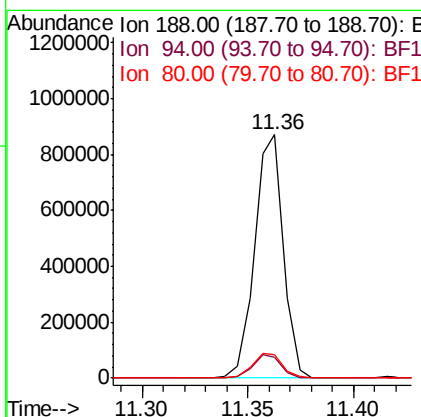
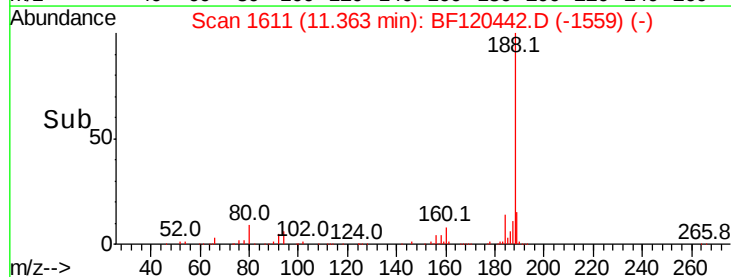
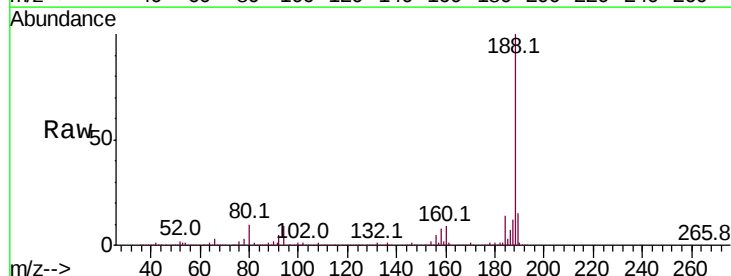
Manual Integrations
APPROVED

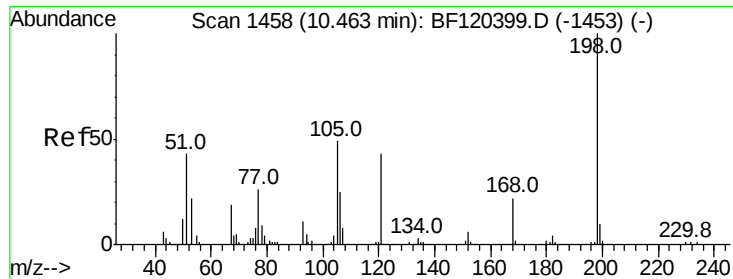
mohammad
6/1/2020 12:21:08 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.6	7.9	11.9	
80	9.9	8.6	13.0	





#65

4,6-Dinitro-2-methylphenol

Concen: 38.285 ng

RT: 10.47 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion:198 Resp: 114972

Ion Ratio Lower Upper

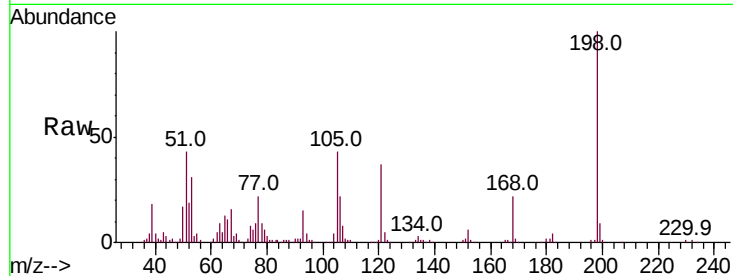
198 100

51 42.9 34.1 74.1

105 43.0 30.5 70.5

Manual Integrations
APPROVED

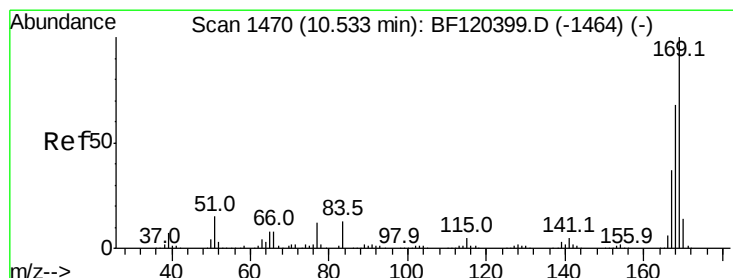
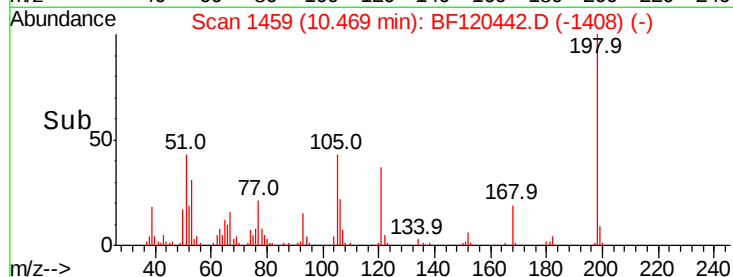
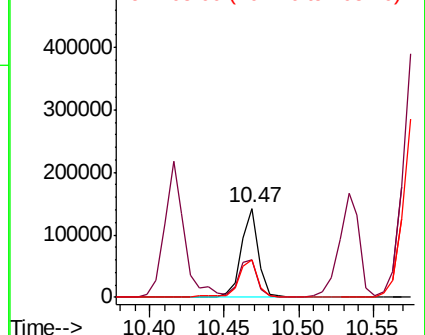
mohammad
6/1/2020 12:21:08 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 51.789 ng

RT: 10.54 min Scan# 1471

Delta R.T. 0.01 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

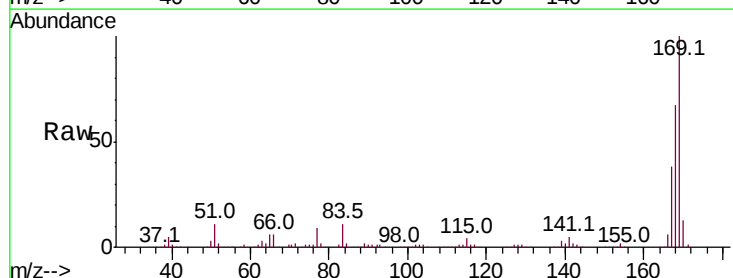
Tgt Ion:169 Resp: 1184441

Ion Ratio Lower Upper

169 100

168 67.0 54.2 81.2

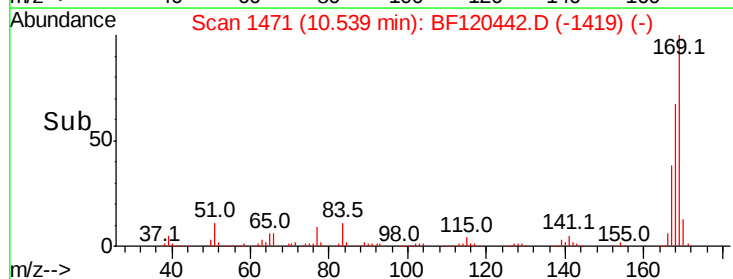
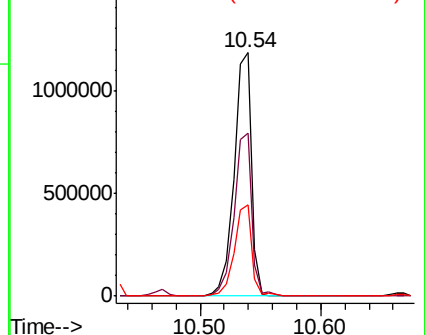
167 37.6 29.8 44.8

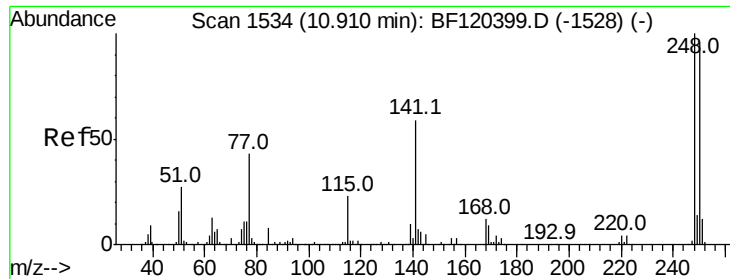


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





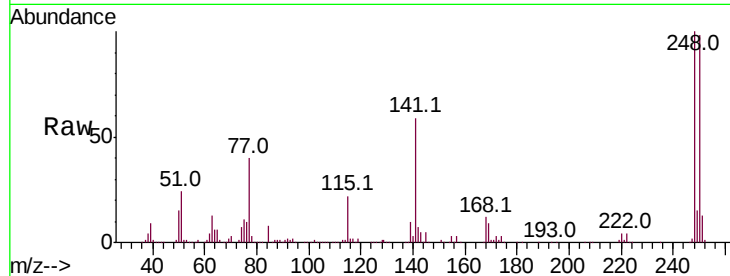
#67
4-Bromophenyl-phenylether
Concen: 48.854 ng
RT: 10.91 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.0	76.5	114.7
141	59.2	47.2	70.8

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM

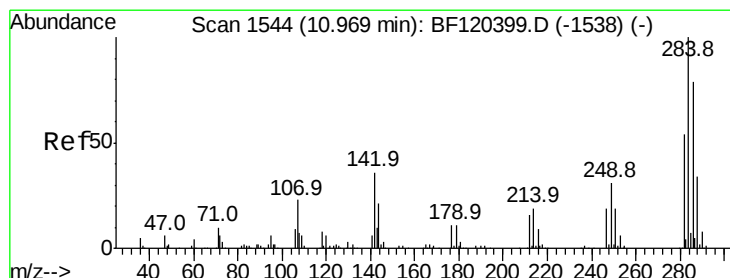
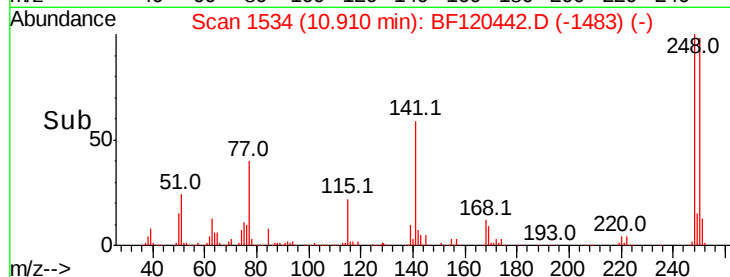
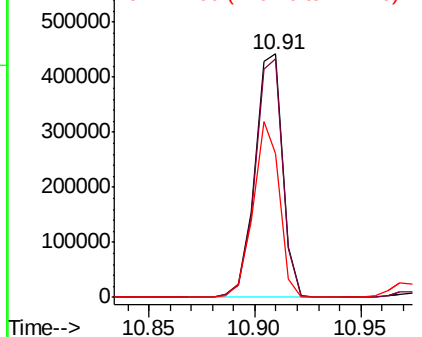


Abundance

Ion 248.00 (247.70 to 248.70): E

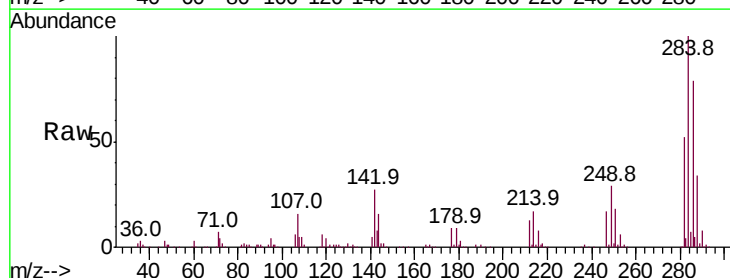
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 48.994 ng
RT: 10.97 min Scan# 1545
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.5	28.5	42.7#
249	28.7	25.0	37.6

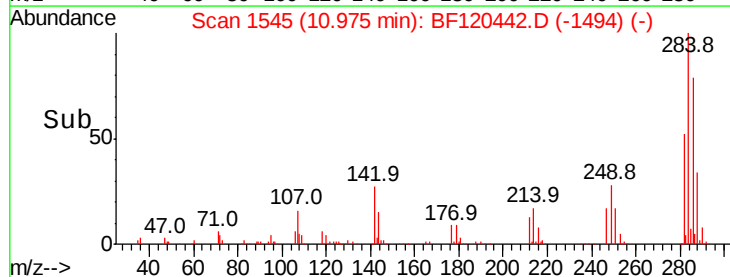
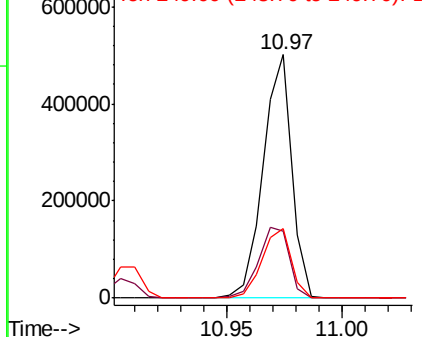


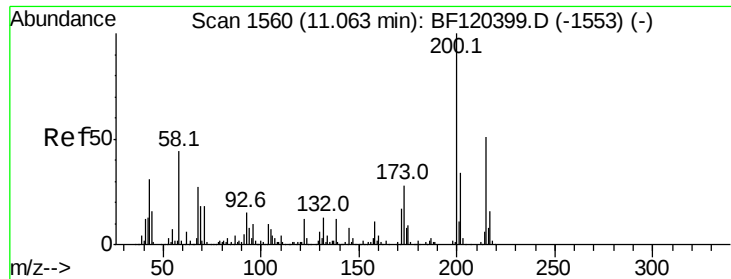
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





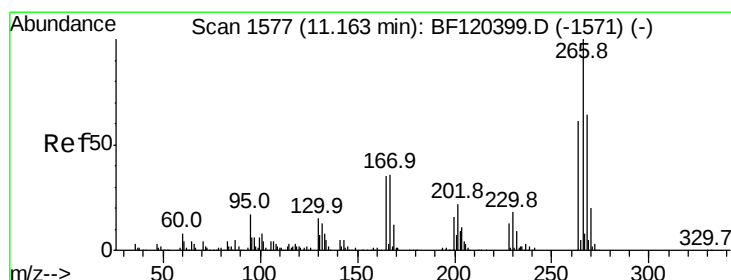
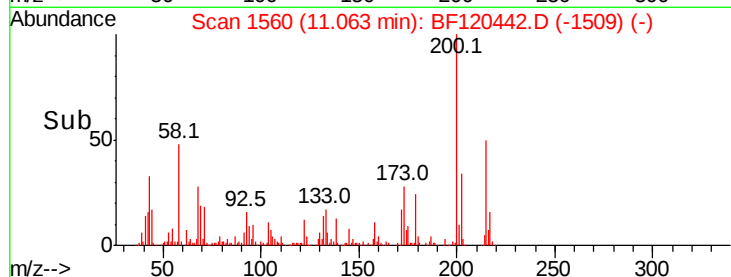
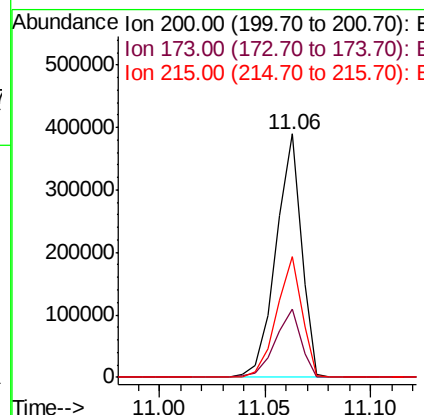
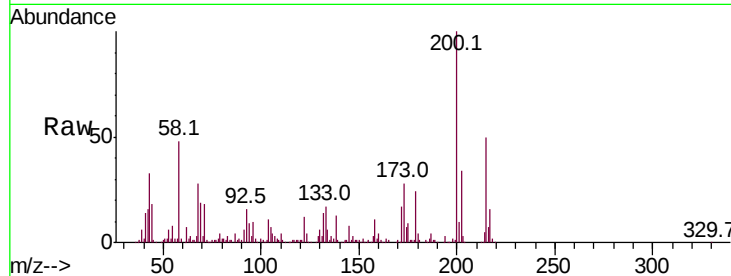
#69
Atrazine
Concen: 50.721 ng
RT: 11.06 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampled :
PB129143BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.9	47.9
215	49.6	31.2	71.2

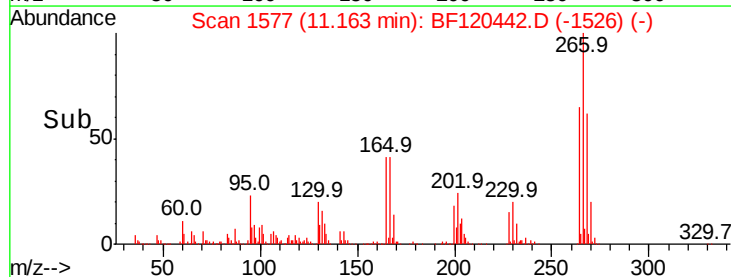
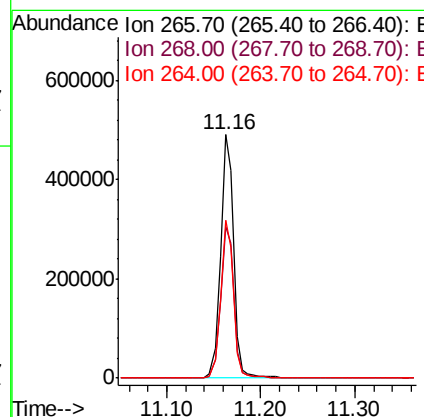
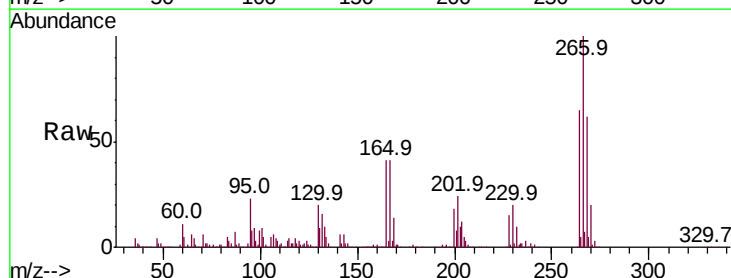
Manual Integrations
APPROVED

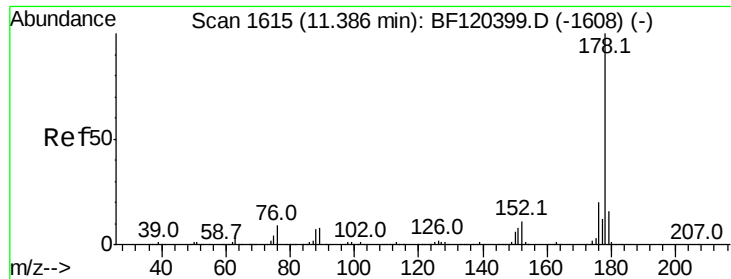
mohammad
6/1/2020 12:21:08 PM



#70
Pentachlorophenol
Concen: 88.939 ng
RT: 11.16 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.4	51.5	77.3
264	64.6	49.1	73.7





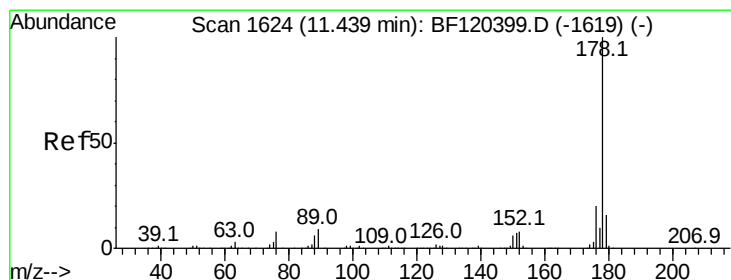
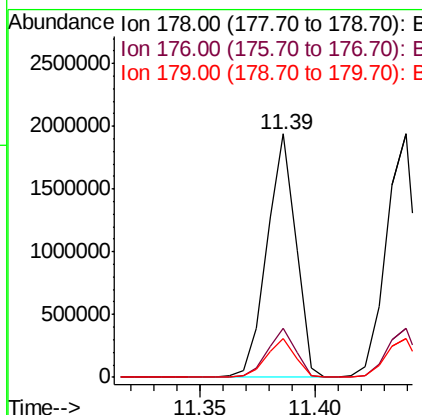
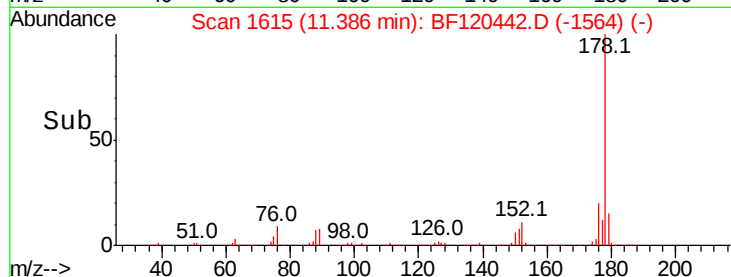
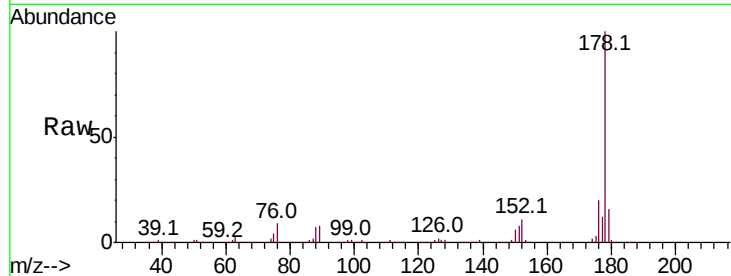
#71
Phenanthrene
Concen: 46.371 ng
RT: 11.39 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.4	24.6
179	16.2	13.0	19.4

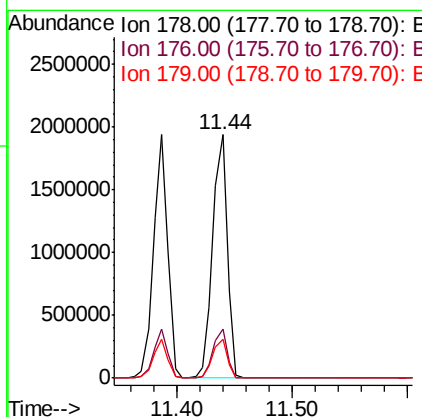
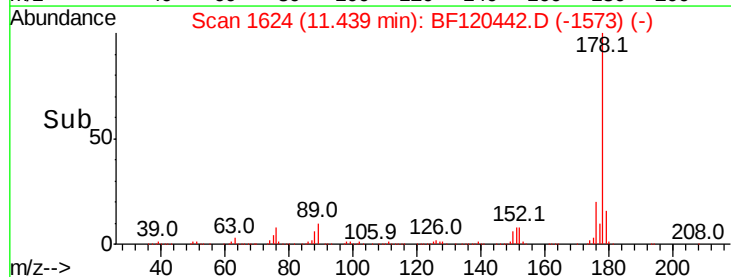
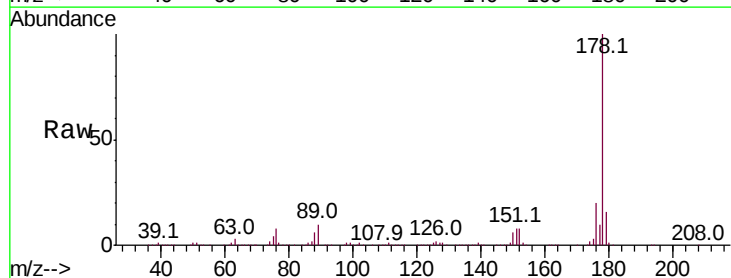
Manual Integrations
APPROVED

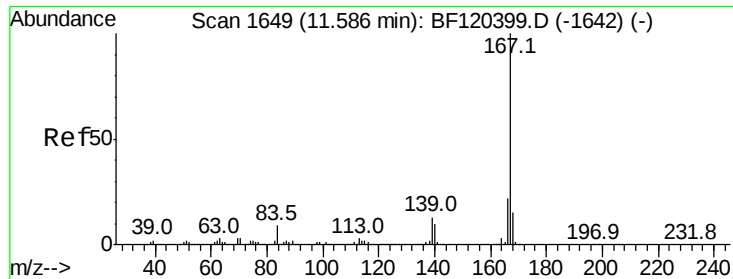
mohammad
6/1/2020 12:21:08 PM



#72
Anthracene
Concen: 47.159 ng
RT: 11.44 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.6
179	16.2	12.8	19.2





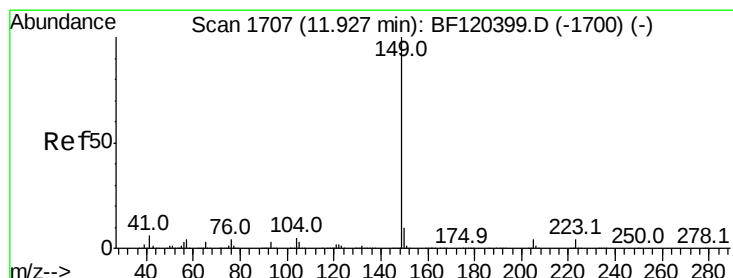
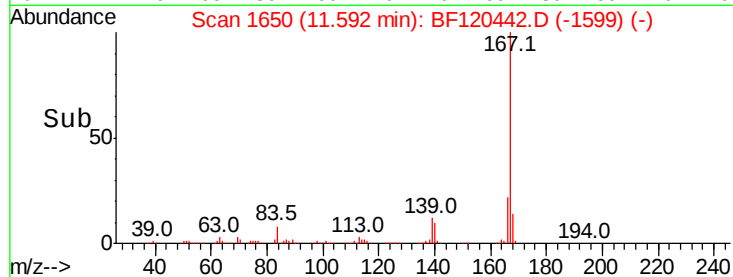
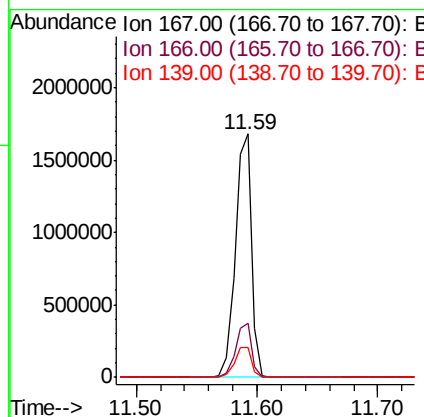
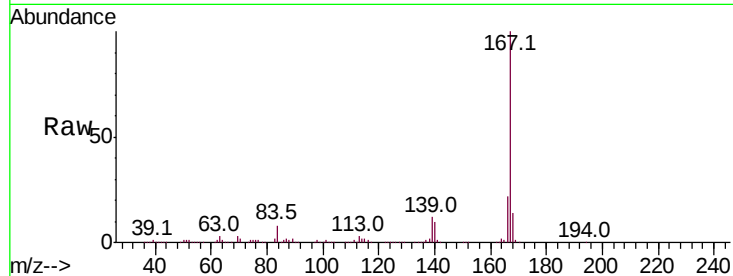
#73
 Carbazole
 Concen: 44.365 ng
 RT: 11.59 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.8	26.6
139	12.4	10.4	15.6

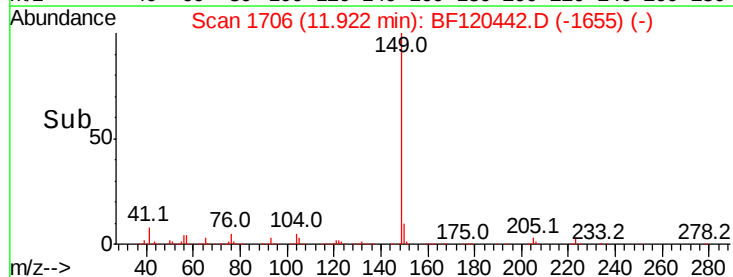
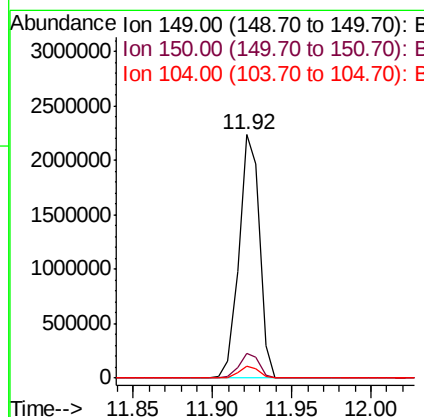
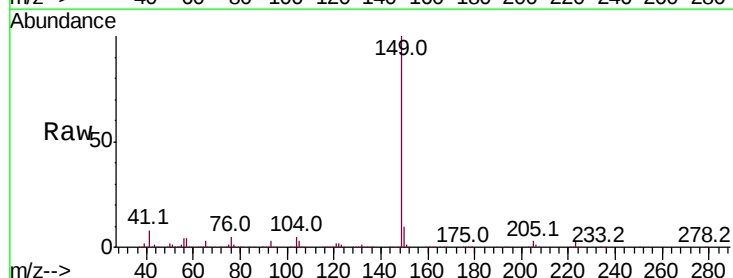
Manual Integrations
 APPROVED

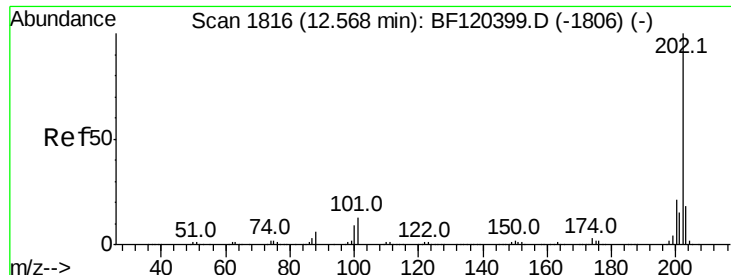
mohammad
 6/1/2020 12:21:08 PM



#74
 Di-n-butylphthalate
 Concen: 48.830 ng
 RT: 11.92 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.7	11.5
104	5.1	3.6	5.4





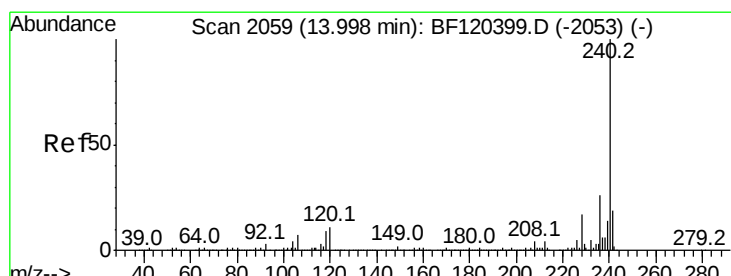
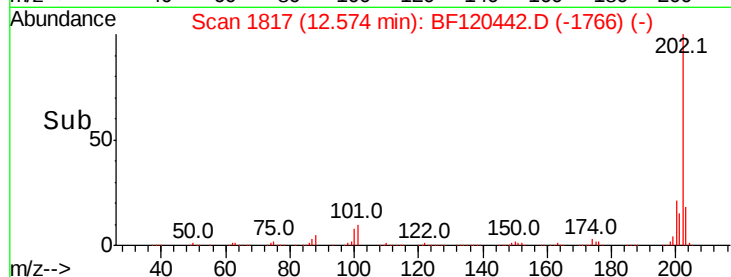
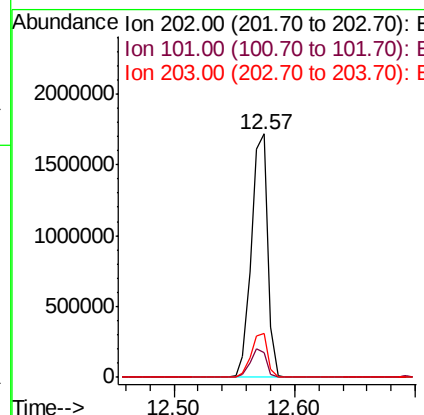
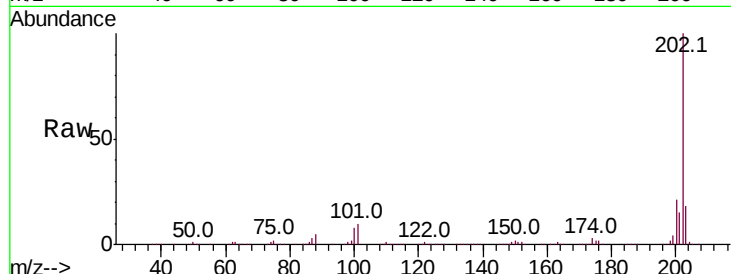
#75
Fluoranthene
Concen: 41.770 ng
RT: 12.57 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	32.6
203	18.2	0.0	38.4

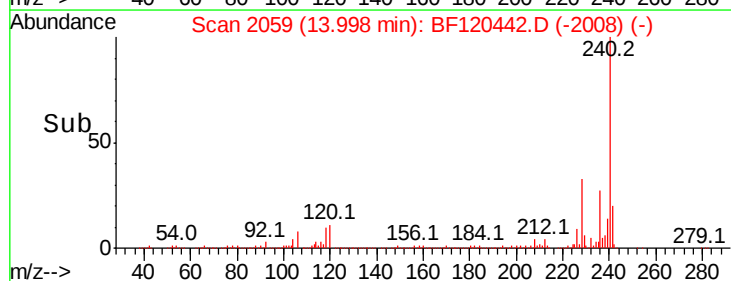
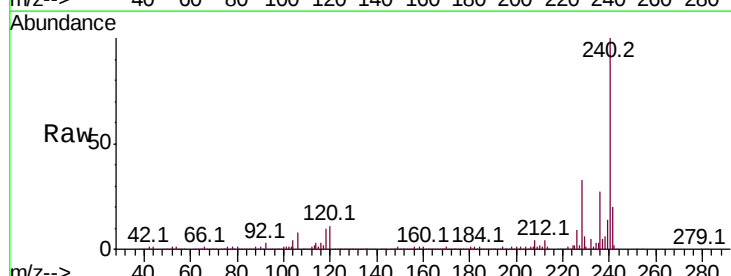
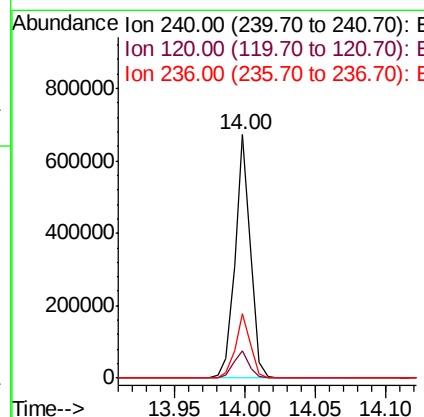
Manual Integrations
APPROVED

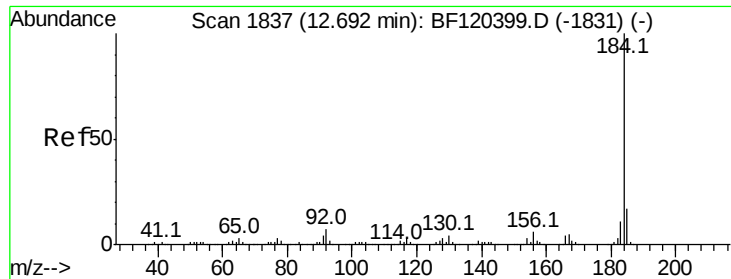
mohammad
6/1/2020 12:21:08 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.8	13.2
236	26.5	21.0	31.4





#77

Benzidine

Concen: 83.519 ng

RT: 12.69 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion:184 Resp: 1101418

Ion Ratio Lower Upper

184 100

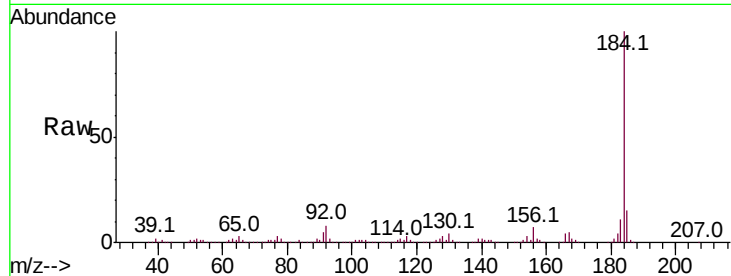
185 14.8 13.4 20.0

183 11.2 8.6 12.8

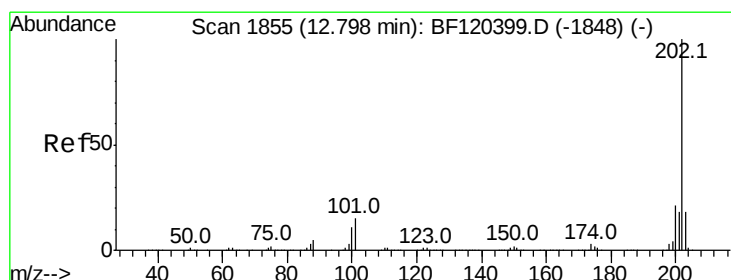
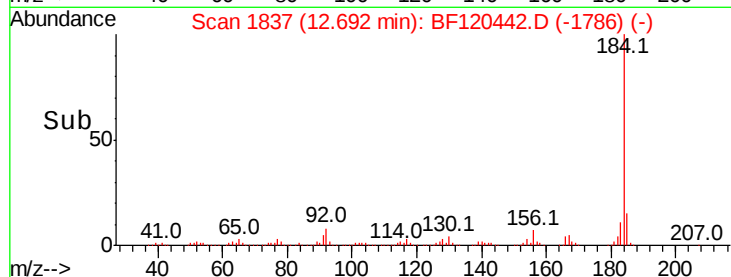
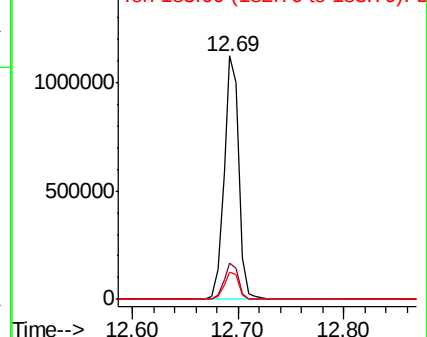
Manual Integrations
APPROVED

mohammad

6/1/2020 12:21:08 PM



Abundance Ion 184.00 (183.70 to 184.70): E
1500000 Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.347 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

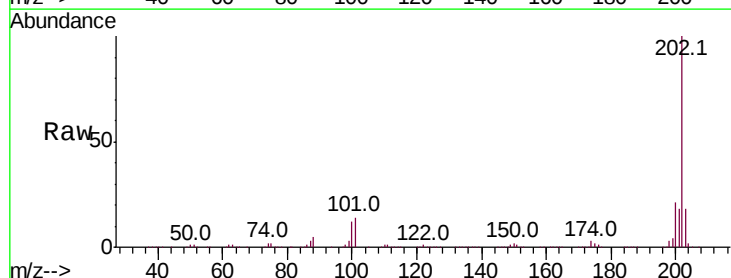
Tgt Ion:202 Resp: 1617765

Ion Ratio Lower Upper

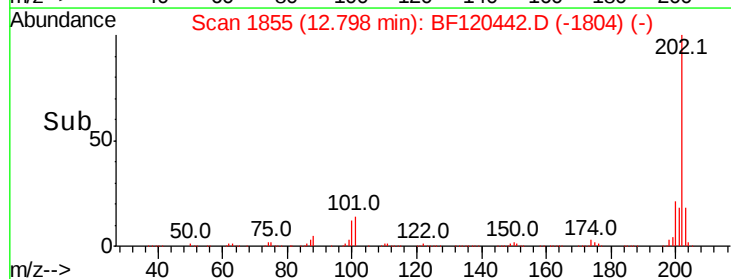
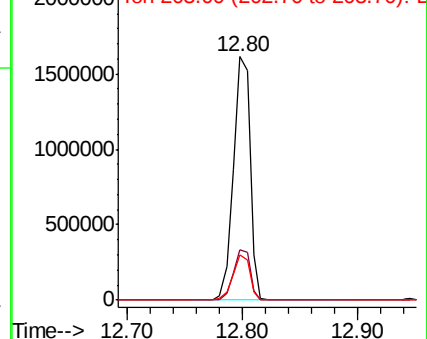
202 100

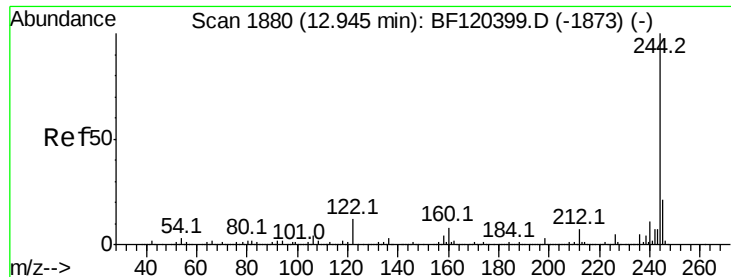
200 20.8 17.0 25.4

203 18.5 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E
2000000 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 98.379 ng

RT: 12.95 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

Instrument :

BNA_F

ClientSampleId :

PB129143BS

Tot Ion:244 Resp: 2218988

Ion Ratio Lower Upper

244 100

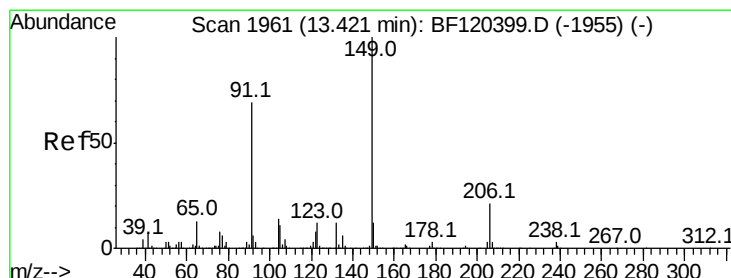
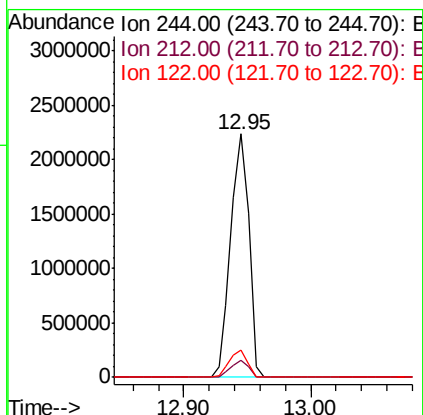
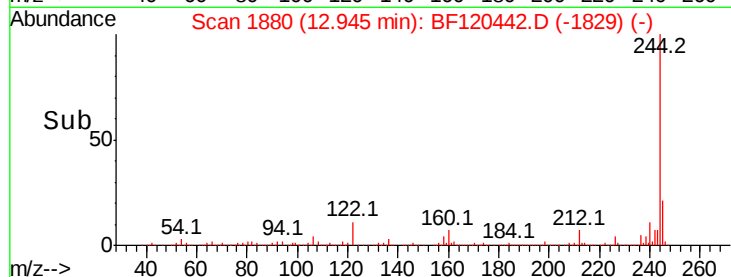
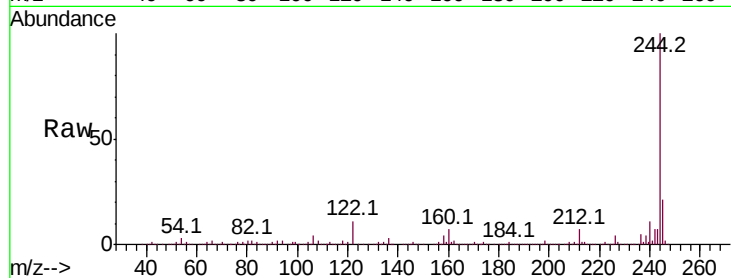
212 7.2 5.9 8.9

122 11.4 9.2 13.8

Manual Integrations
APPROVED

mohammad

6/1/2020 12:21:08 PM



#80

Butylbenzylphthalate

Concen: 49.308 ng

RT: 13.42 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BF120442.D

Acq: 29 May 2020 16:39

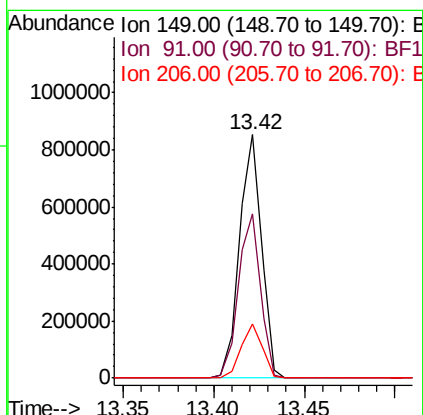
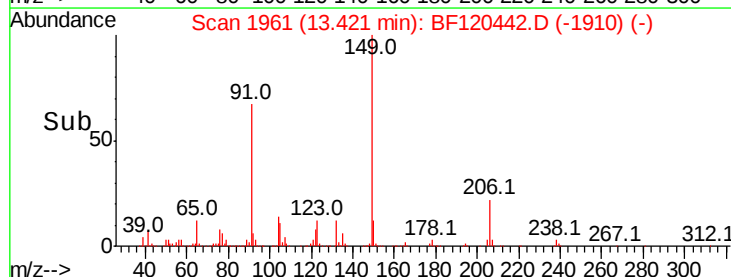
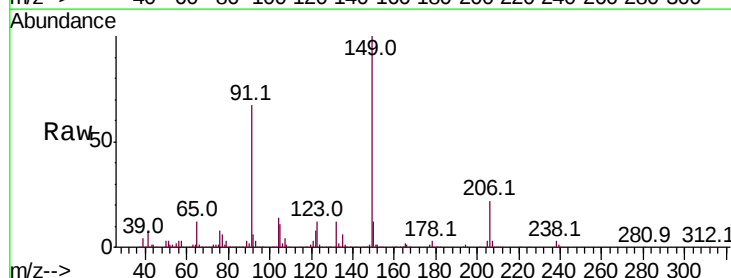
Tgt Ion:149 Resp: 718521

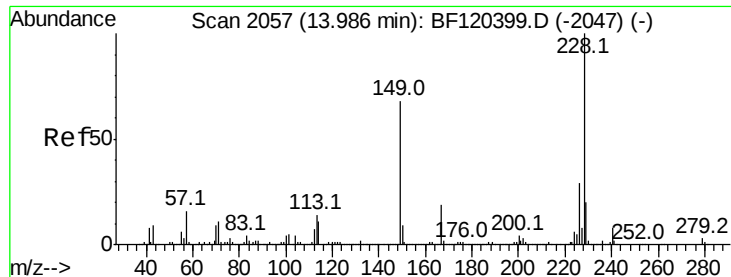
Ion Ratio Lower Upper

149 100

91 67.4 55.0 82.4

206 22.4 17.0 25.4





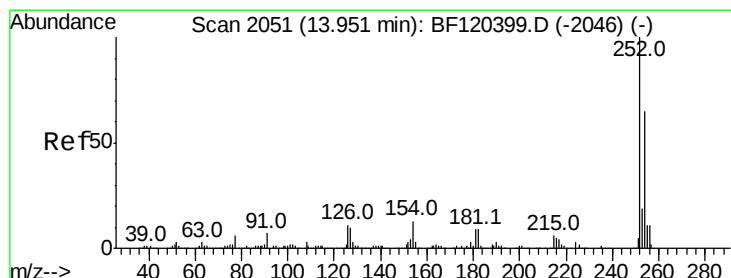
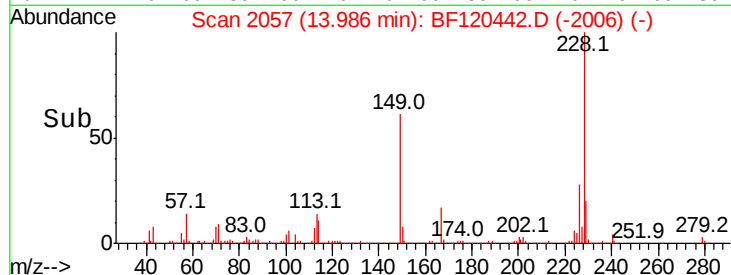
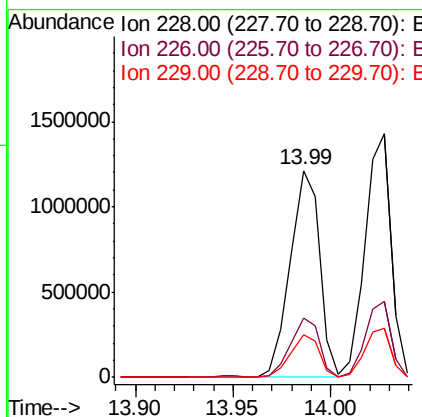
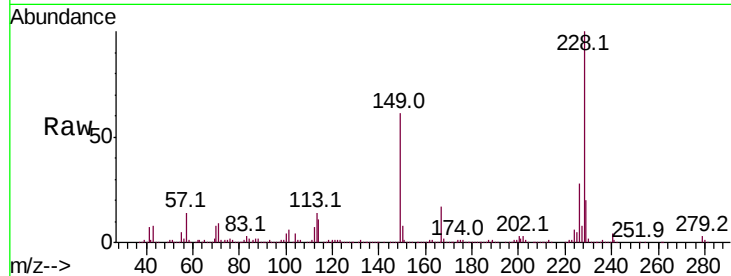
#81
Benzo(a)anthracene
Concen: 47.147 ng
RT: 13.99 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.0	34.4
229	20.4	16.2	24.4

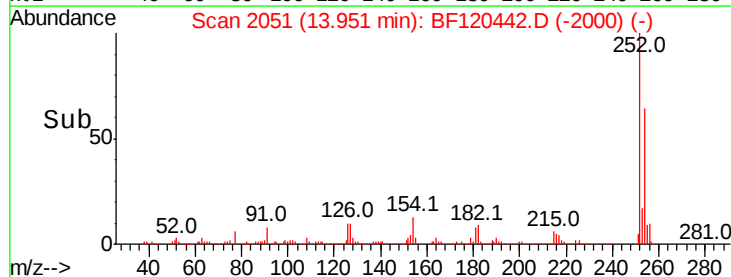
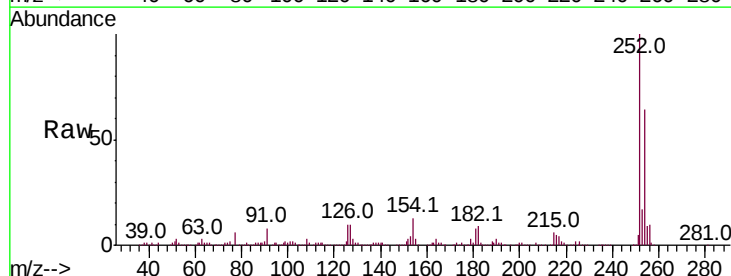
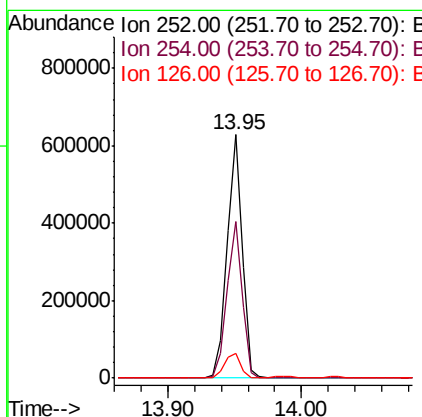
Manual Integrations
APPROVED

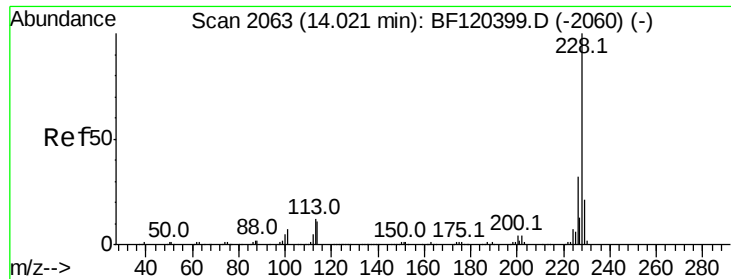
mohammad
6/1/2020 12:21:08 PM



#82
3,3'-Dichlorobenzidine
Concen: 51.803 ng
RT: 13.95 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.8	77.6
126	10.3	8.5	12.7





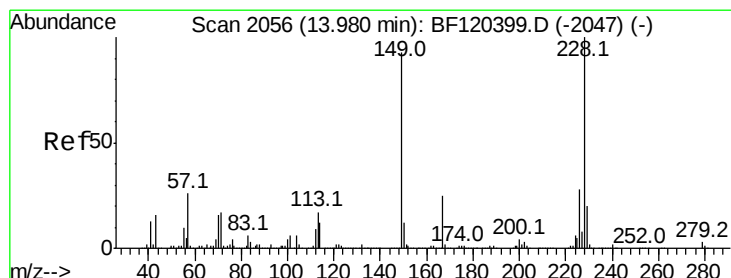
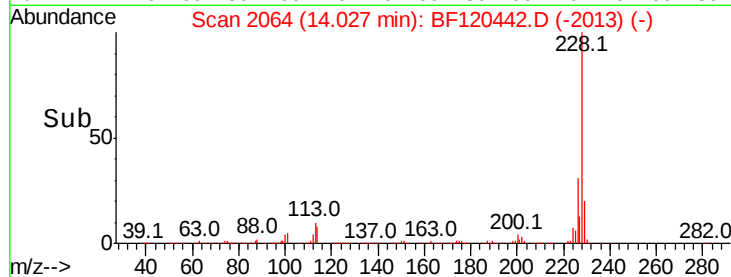
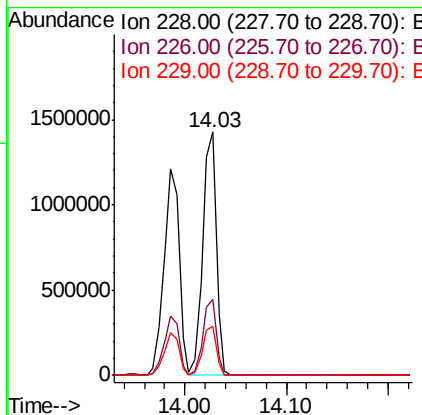
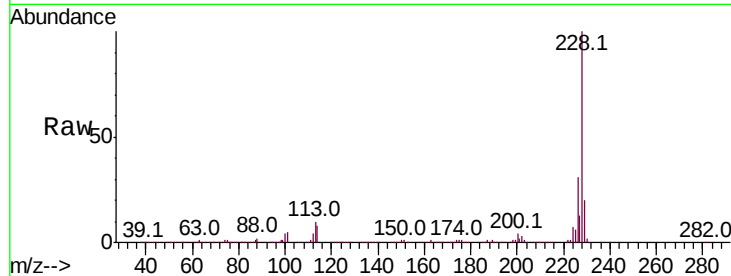
#83
 Chrysene
 Concen: 46.882 ng
 RT: 14.03 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.6	38.4
229	20.1	16.6	25.0

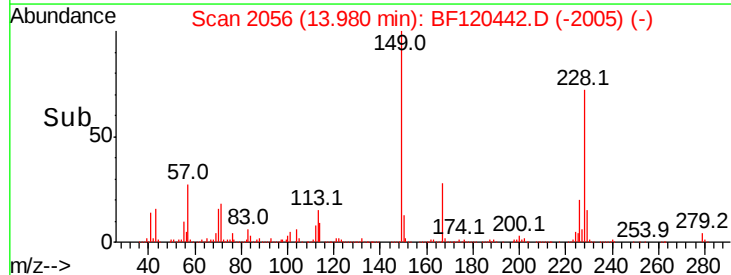
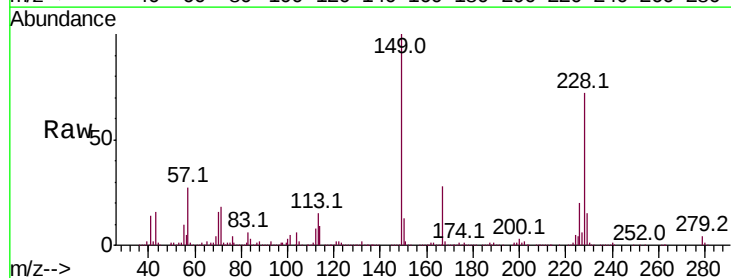
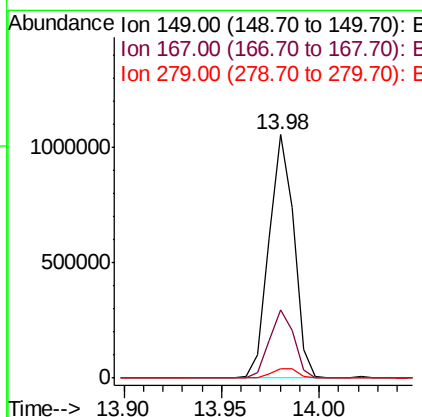
Manual Integrations
 APPROVED

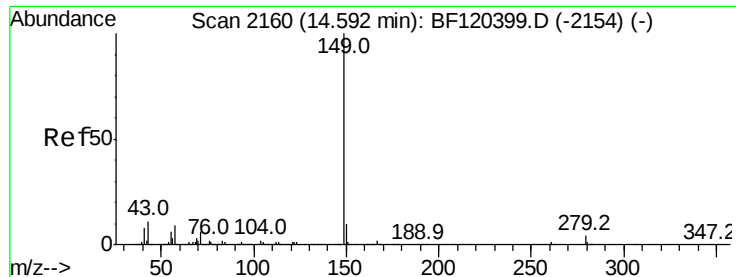
mohammad
 6/1/2020 12:21:08 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 54.682 ng
 RT: 13.98 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.7	32.5
279	3.9	2.9	4.3





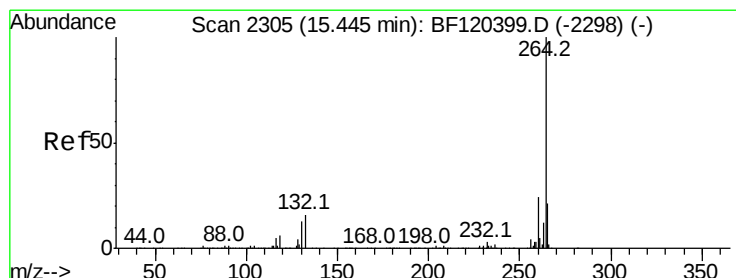
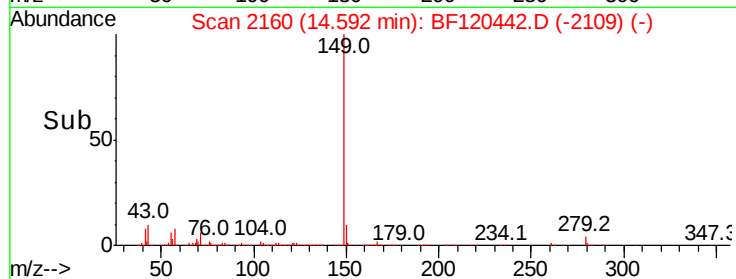
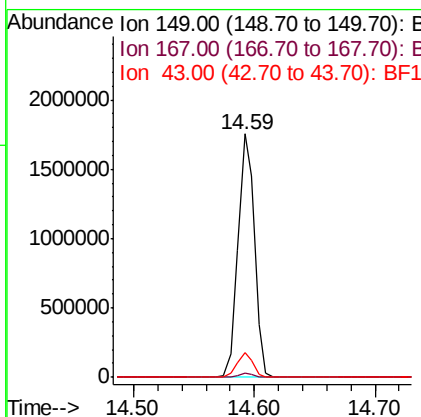
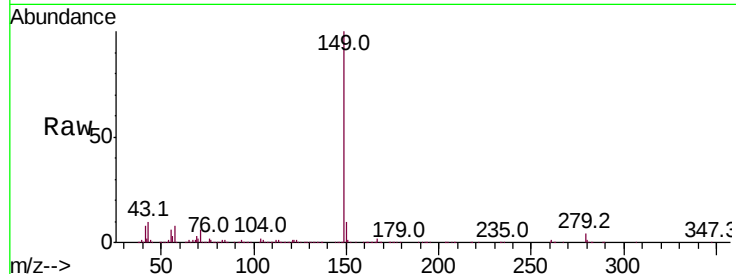
#85
Di-n-octyl phthalate
Concen: 56.337 ng
RT: 14.59 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.8	8.1	12.1

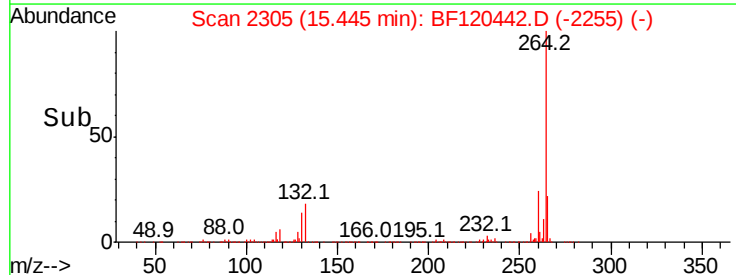
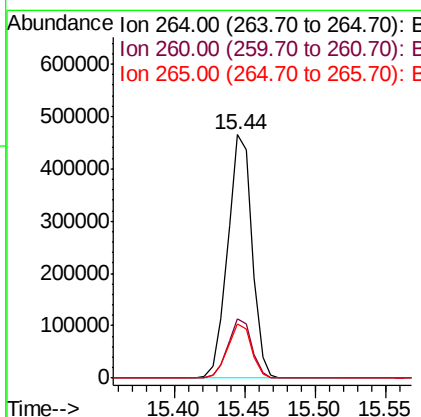
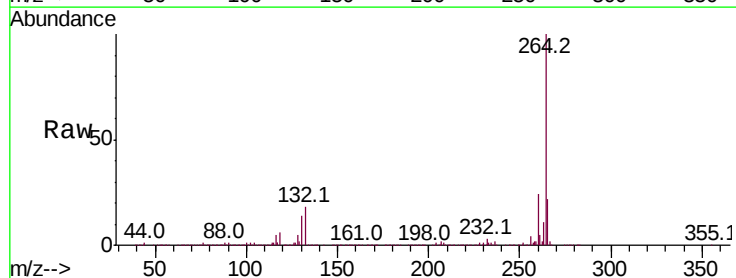
Manual Integrations
APPROVED

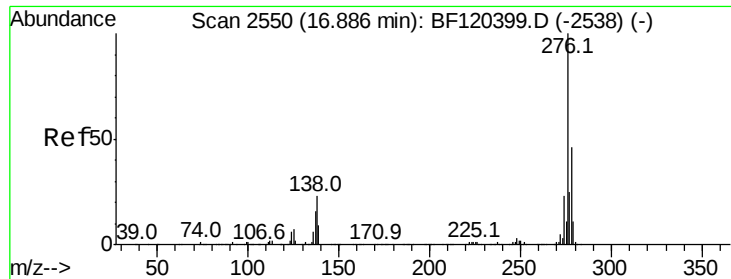
mohammad
6/1/2020 12:21:08 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.2	16.9	25.3





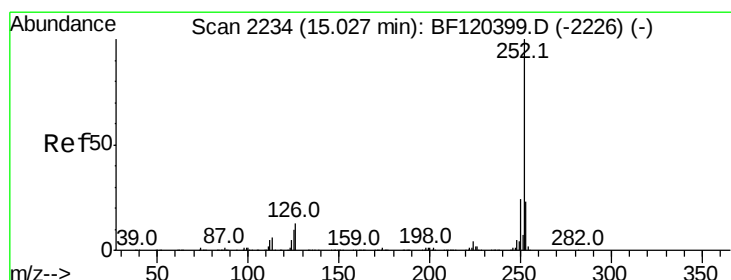
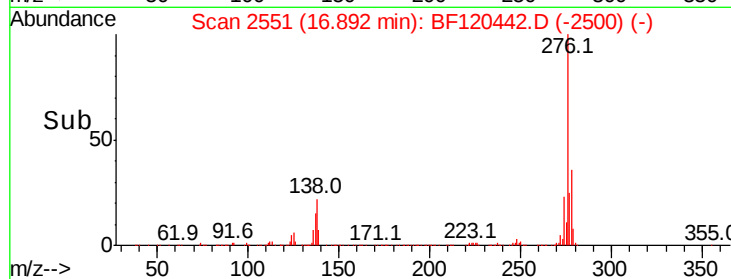
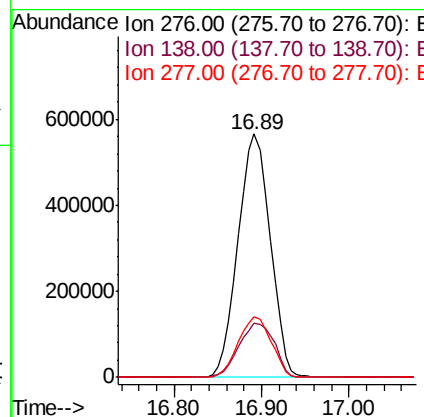
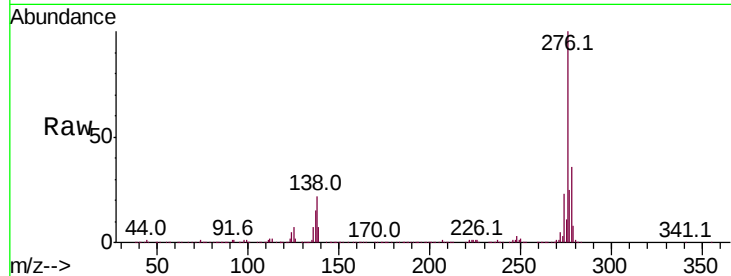
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 46.583 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB129143BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.4	30.6
277	25.5	20.4	30.6

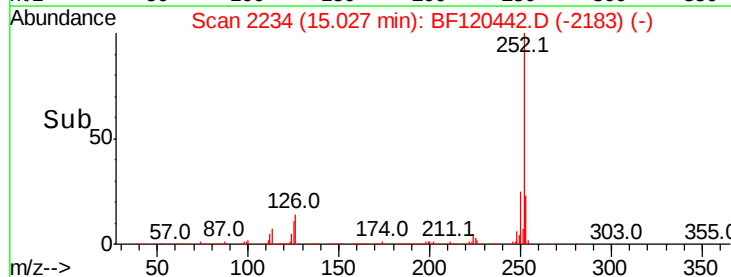
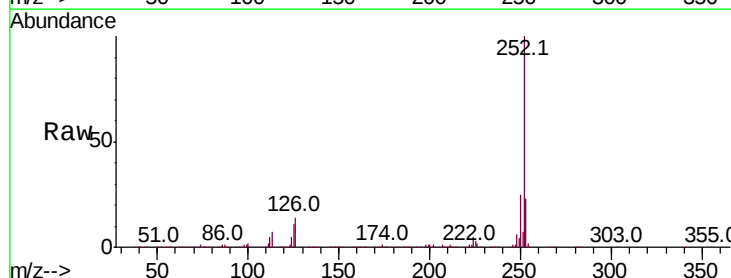
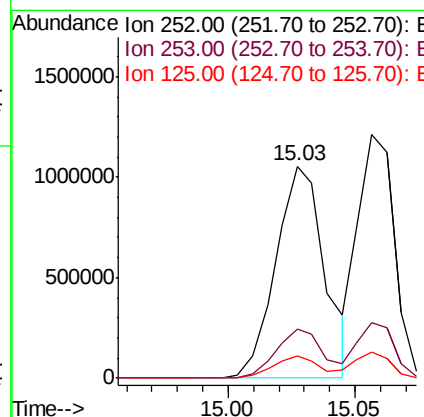
Manual Integrations
 APPROVED

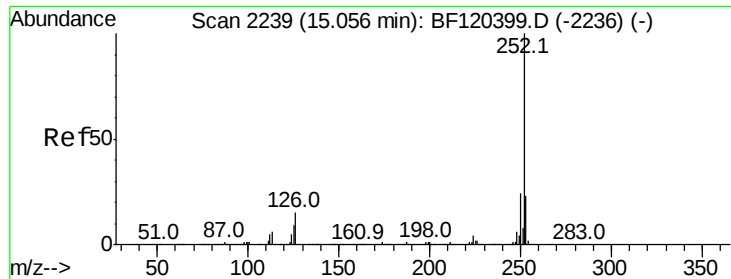
mohammad
 6/1/2020 12:21:08 PM



#88
 Benzo(b)fluoranthene
 Concen: 45.885 ng
 RT: 15.03 min Scan# 2234
 Delta R.T. 0.00 min
 Lab File: BF120442.D
 Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.6	7.8	11.8





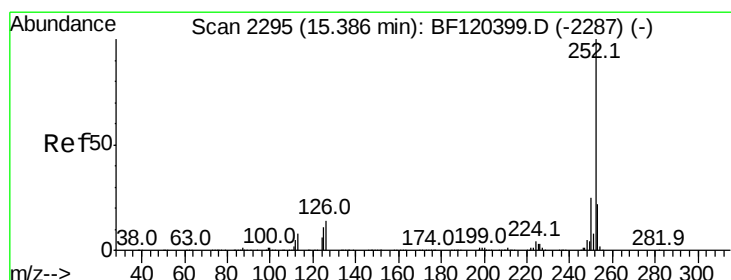
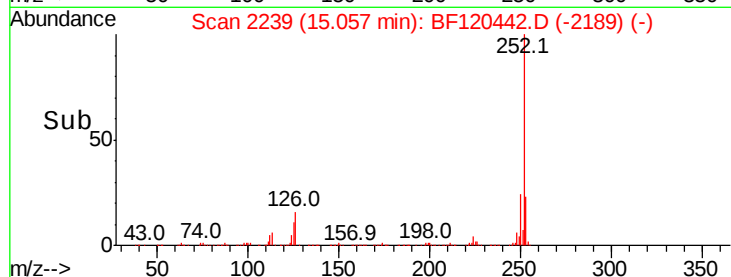
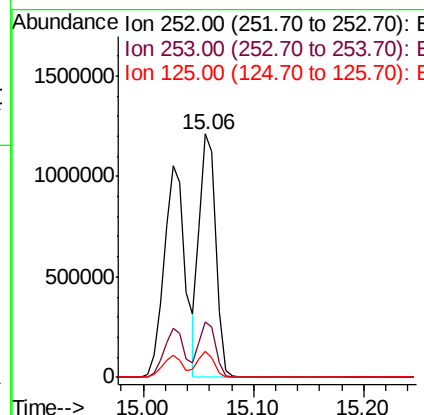
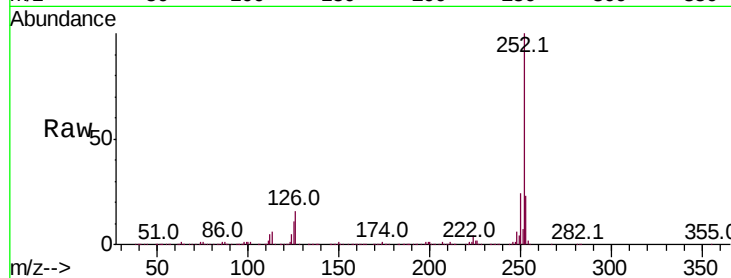
#89
Benzo(k)fluoranthene
Concen: 42.397 ng
RT: 15.06 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	10.9	8.0	12.0

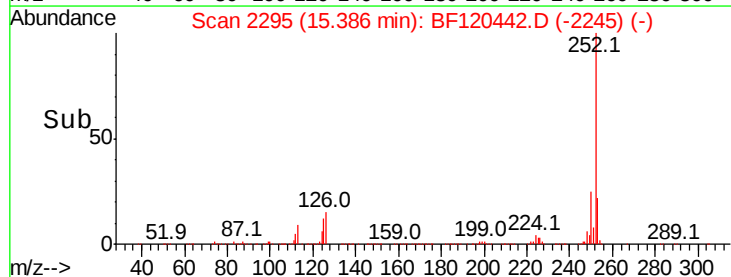
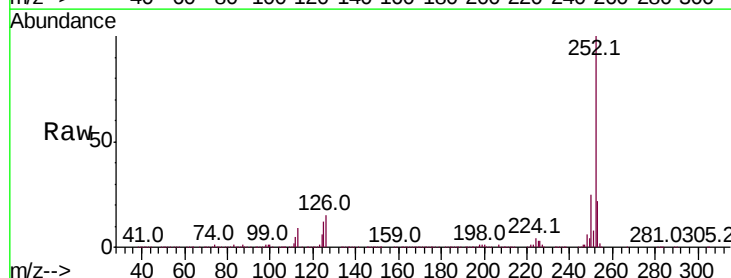
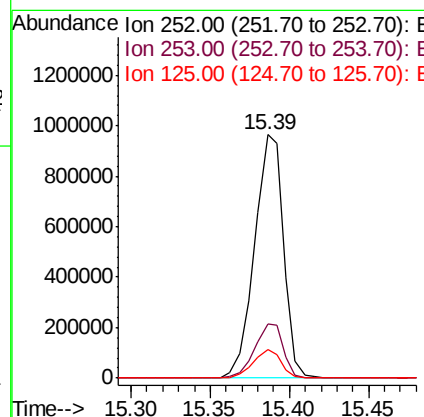
Manual Integrations
APPROVED

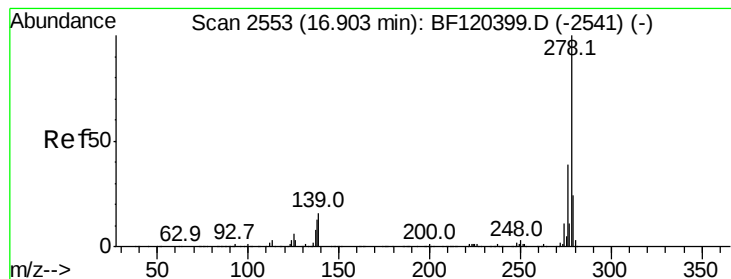
mohammad
6/1/2020 12:21:08 PM



#90
Benzo(a)pyrene
Concen: 45.279 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	11.6	8.7	13.1





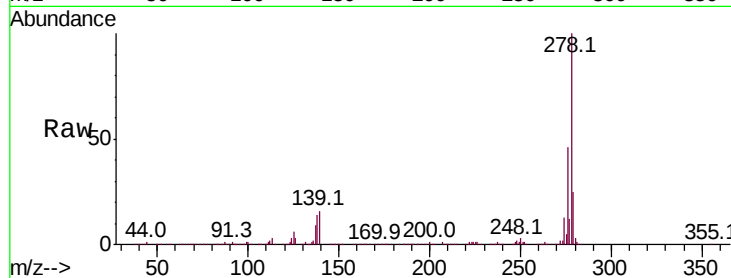
#91
Dibenzo(a,h)anthracene
Concen: 48.161 ng
RT: 16.91 min Scan# 2554
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Instrument :
BNA_F
ClientSampleId :
PB129143BS

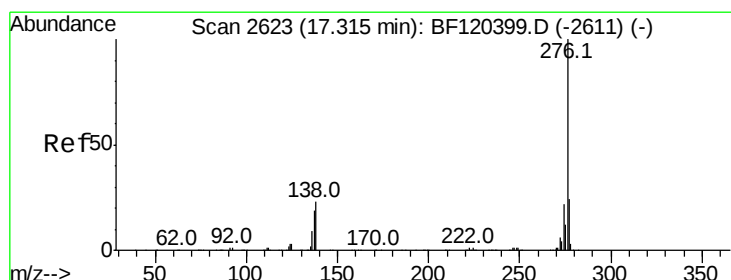
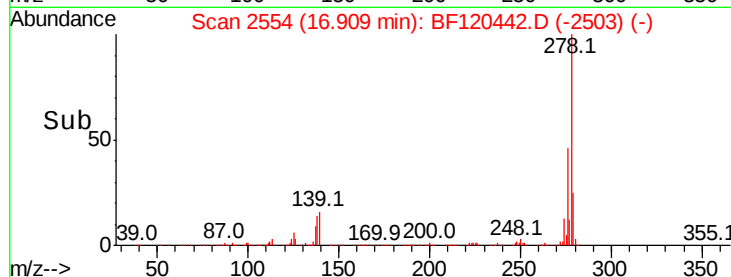
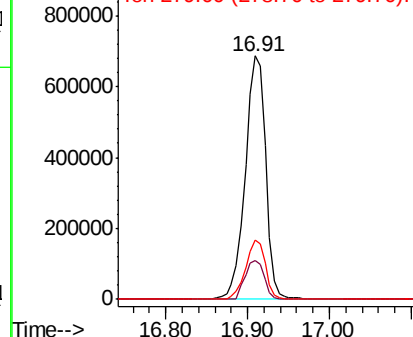
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.9	12.8	19.2
279	24.5	19.0	28.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:08 PM



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



#92
Benzo(g,h,i)perylene
Concen: 47.764 ng
RT: 17.33 min Scan# 2625
Delta R.T. 0.00 min
Lab File: BF120442.D
Acq: 29 May 2020 16:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.5	29.3
138	21.5	18.1	27.1

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

