

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115861.D
 Acq On : 31 Jul 2019 13:05
 Operator : HP/JU
 Sample : PB121731BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:23 PM

Quant Time: Jul 31 18:48:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	143810	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	575744	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	302651	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	522072	20.00	ng	0.00
76) Chrysene-d12	14.02	240	402767	20.00	ng	0.00
87) Perylene-d12	15.49	264	403987	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	970140	112.93	ng	0.02
7) Phenol-d6	6.49	99	1238098	114.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	806074	80.82	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	343403	117.03	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1384653	85.69	ng	0.00
79) Terphenyl-d14	12.96	244	1521241	79.59	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.72	88	182174	41.977 ng	99
3) Pyridine	3.46	79	464531	38.318 ng	100
4) n-Nitrosodimethylamine	3.41	42	207407	43.353 ng	98
6) Aniline	6.52	93	510620	32.897 ng	99
8) 2-Chlorophenol	6.64	128	425142	44.755 ng	99
9) Benzaldehyde	6.40	77	245837	32.873 ng	99
10) Phenol	6.50	94	547590	42.903 ng	91
11) bis(2-Chloroethyl)ether	6.59	93	402791	42.924 ng	98
12) 1,3-Dichlorobenzene	6.79	146	464782	42.336 ng	98
13) 1,4-Dichlorobenzene	6.87	146	469202	42.685 ng	99
14) 1,2-Dichlorobenzene	7.02	146	433526	42.832 ng	97
15) Benzyl Alcohol	6.99	79	364679	44.337 ng	100
16) 2,2'-oxybis(1-Chloropropan	7.13	45	533496	41.681 ng	99
17) 2-Methylphenol	7.10	107	354170	44.032 ng	99
18) Hexachloroethane	7.36	117	170051	42.018 ng	96
19) n-Nitroso-di-n-propylamine	7.26	70	287038	42.737 ng	97
20) 3+4-Methylphenols	7.26	107	421377	44.269 ng	91
22) Acetophenone	7.26	105	571846	45.288 ng	# 99
24) Nitrobenzene	7.43	77	467309	43.390 ng	97
25) Isophorone	7.67	82	840736	44.082 ng	99
26) 2-Nitrophenol	7.75	139	228611	45.031 ng	98
27) 2,4-Dimethylphenol	7.79	122	373246	48.868 ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	500281	42.320 ng	100
29) 2,4-Dichlorophenol	7.99	162	357947	44.385 ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	389622	42.383 ng	99
31) Naphthalene	8.16	128	1214184	44.815 ng	99
32) Benzoic acid	7.93	122	240379	44.639 ng	99
33) 4-Chloroaniline	8.20	127	279087	23.055 ng	99
34) Hexachlorobutadiene	8.27	225	219169	41.392 ng	99
35) Caprolactam	8.57	113	108721m	41.683 ng	
36) 4-Chloro-3-methylphenol	8.69	107	373531	44.523 ng	98
37) 2-Methylnaphthalene	8.85	142	808368	45.304 ng	99
38) 1-Methylnaphthalene	8.95	142	754535	44.699 ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	361923	44.731 ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115861.D
 Acq On : 31 Jul 2019 13:05
 Operator : HP/JU
 Sample : PB121731BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

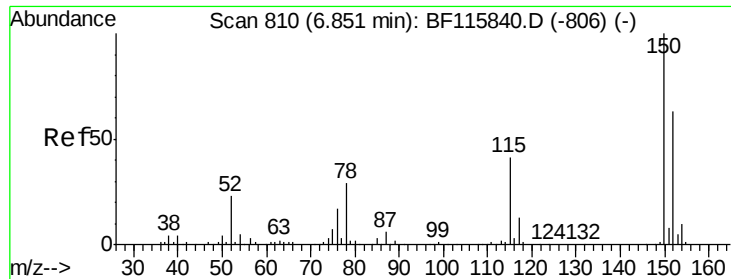
Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:23 PM

Quant Time: Jul 31 18:48:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	309124	84.726	nq	99
43) 2,4,6-Trichlorophenol	9.13	196	235650	42.313	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	255832	44.439	nq	99
46) 1,1'-Biphenyl	9.32	154	954928	44.692	nq	99
47) 2-Chloronaphthalene	9.34	162	762074	42.852	nq	98
48) 2-Nitroaniline	9.43	65	239895	40.811	nq	88
49) Acenaphthylene	9.76	152	1176308	45.339	nq	99
50) Dimethylphthalate	9.62	163	856057	41.542	nq	100
51) 2,6-Dinitrotoluene	9.67	165	193614	43.234	nq #	85
52) Acenaphthene	9.93	154	701279	44.059	nq	100
53) 3-Nitroaniline	9.85	138	148620	26.858	nq	93
54) 2,4-Dinitrophenol	9.96	184	175593	77.375	nq #	89
55) Dibenzofuran	10.10	168	1048583	45.301	nq	100
56) 4-Nitrophenol	10.02	139	337609	95.242	nq	97
57) 2,4-Dinitrotoluene	10.09	165	261141	43.797	nq	95
58) Fluorene	10.45	166	792745	44.514	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.22	232	216405	44.681	nq	99
60) Diethylphthalate	10.32	149	806562	41.922	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	389804	43.219	nq	99
62) 4-Nitroaniline	10.47	138	224983	39.343	nq	95
63) Azobenzene	10.59	77	869148	43.921	nq	100
65) 4,6-Dinitro-2-methylphenol	10.50	198	127124	45.949	nq	98
66) n-Nitrosodiphenylamine	10.55	169	700310	44.566	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	238394	42.656	nq	98
68) Hexachlorobenzene	11.00	284	271948	42.081	nq	97
69) Atrazine	11.08	200	218510	42.269	nq	99
70) Pentachlorophenol	11.19	266	280545	89.416	nq	99
71) Phenanthrene	11.40	178	1168023	43.763	nq	100
72) Anthracene	11.46	178	1233132	45.653	nq	99
73) Carbazole	11.61	167	1094980	44.683	nq	100
74) Di-n-butylphthalate	11.94	149	1211792	42.390	nq	100
75) Fluoranthene	12.59	202	1247621	44.652	nq	97
77) Benzidine	12.71	184	680388	50.002	nq	98
78) Pyrene	12.83	202	1294771	42.646	nq	99
80) Butylbenzylphthalate	13.43	149	531455	41.381	nq	94
81) Benzo(a)anthracene	14.02	228	1104977	42.923	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	259787	29.047	nq #	98
83) Chrysene	14.05	228	1103079	44.136	nq	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	702360	42.085	nq	100
85) Di-n-octyl phthalate	14.60	149	1178270	44.449	nq	100
86) Indeno(1,2,3-cd)pyrene	16.96	276	953140	45.406	nq	99
88) Benzo(b)fluoranthene	15.06	252	999725	42.798	nq	97
89) Benzo(k)fluoranthene	15.09	252	1014108	44.572	nq	99
90) Benzo(a)pyrene	15.43	252	951284	45.557	nq	99
91) Dibenzo(a,h)anthracene	16.97	278	799525	44.234	nq	99
92) Benzo(g,h,i)perylene	17.40	276	790316	44.522	nq	98

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



#1

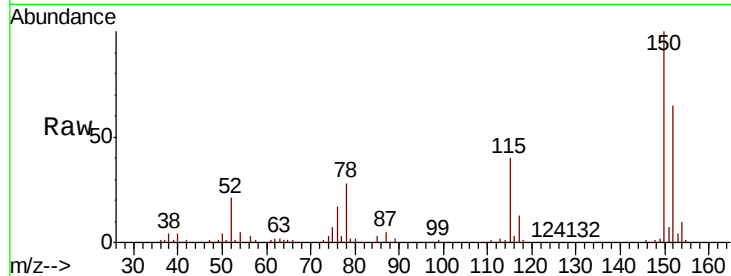
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.0
115	61.4	51.8	77.8

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

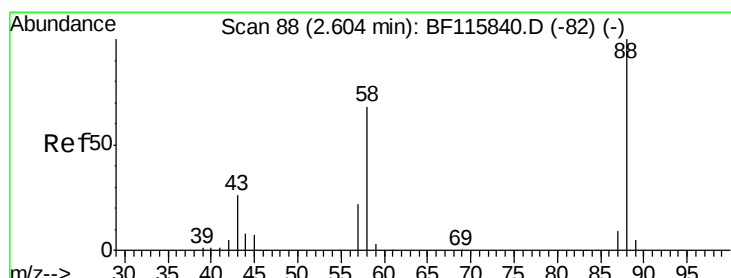
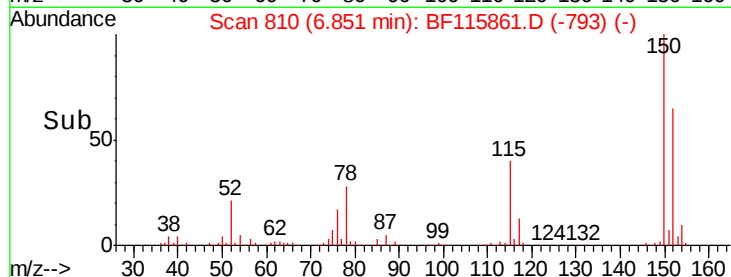
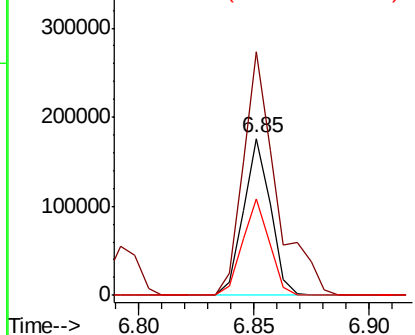


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

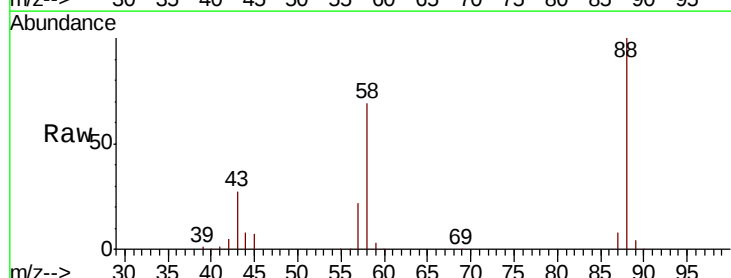
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 41.977 ng
RT: 2.72 min Scan# 108
Delta R.T. 0.12 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.1	81.1
43	26.8	20.7	31.1

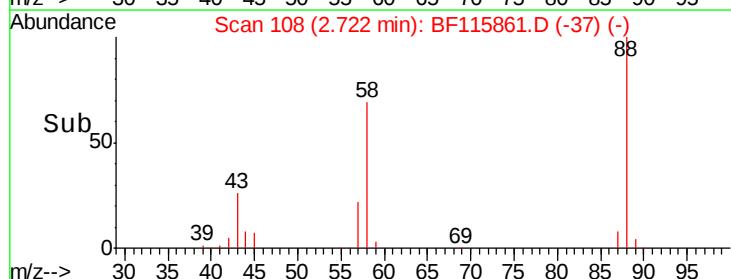
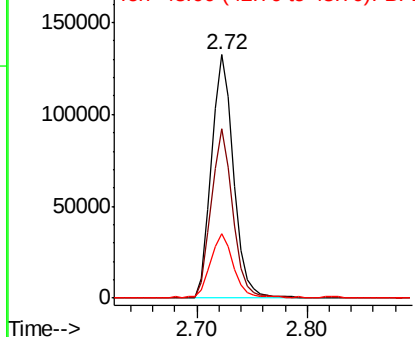


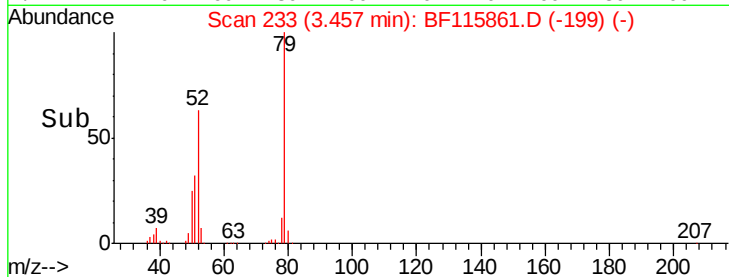
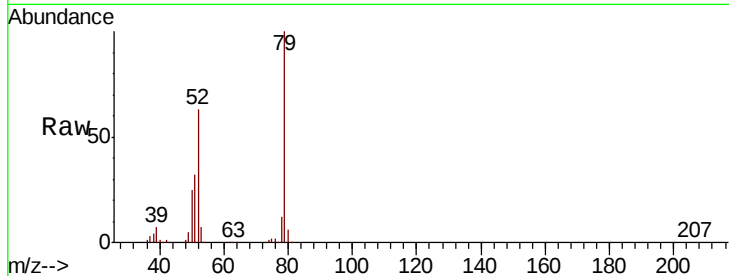
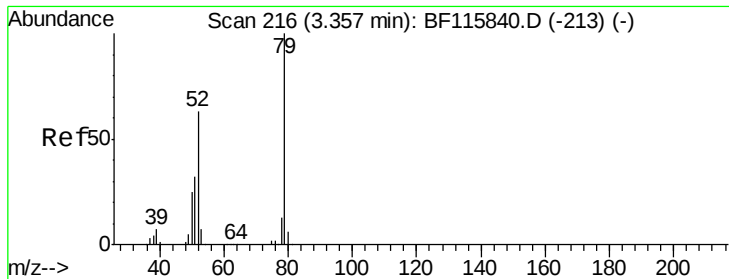
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





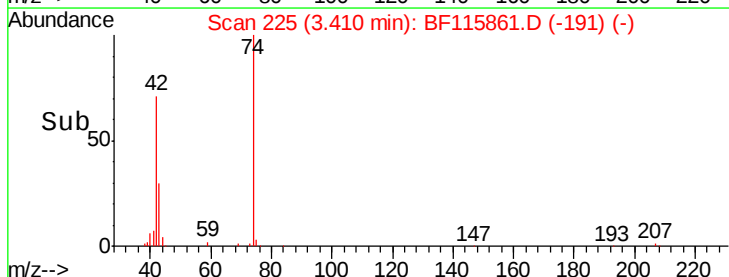
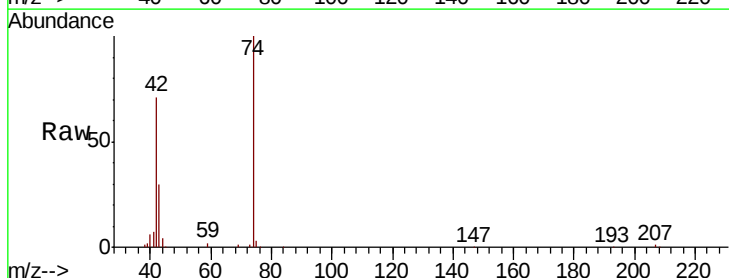
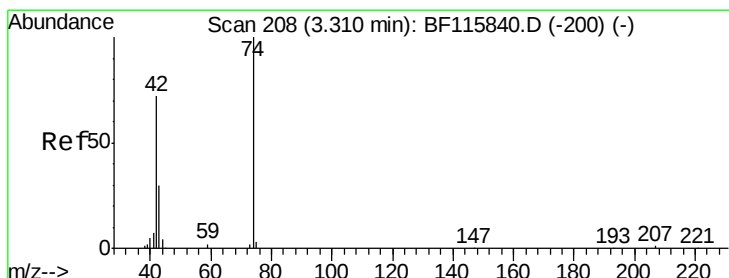
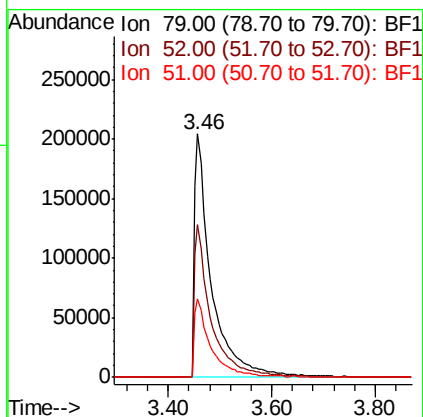
#3
 Pvridine
 Concen: 38.318 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.10 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tot Ion	Ratio	Lower	Upper
79	100		
52	62.8	50.2	75.4
51	32.2	25.8	38.6

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

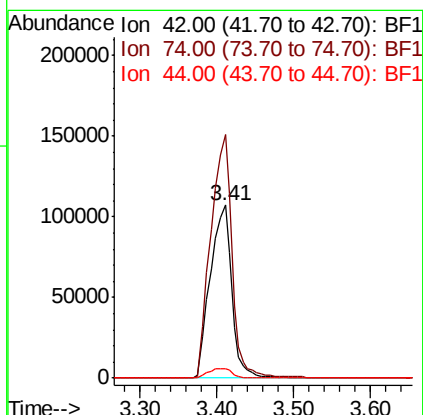
Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:23 PM



#4
 n-Nitrosodimethylamine
 Concen: 43.353 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.10 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
42	100		
74	141.0	111.0	166.4
44	5.7	4.7	7.1





#5

2-Fluorophenol

Concen: 112.932 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

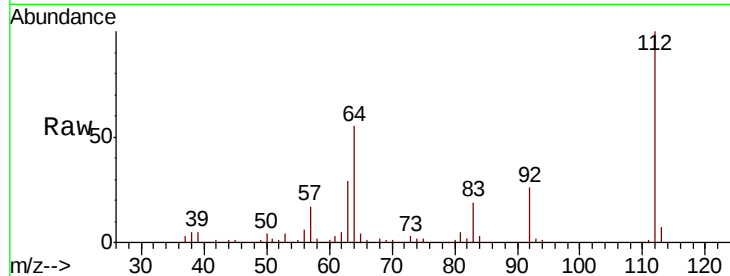
ClientSampleId :

PB121731BS

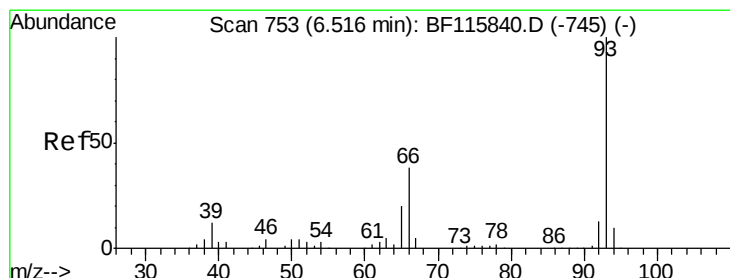
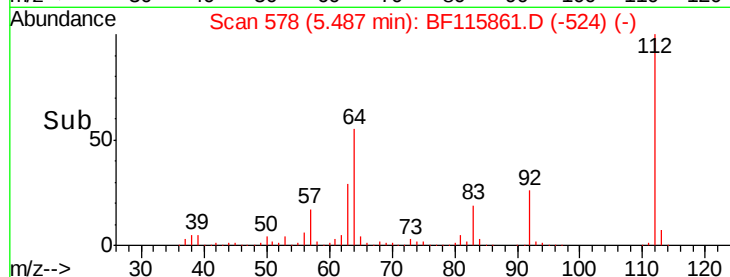
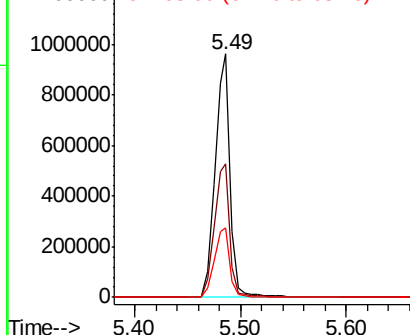
Tot Ion:	112	Resp:	970140
Ion Ratio	Lower	Upper	
112	100		
64	55.0	46.8	70.2
63	28.8	24.2	36.2

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 32.897 ng

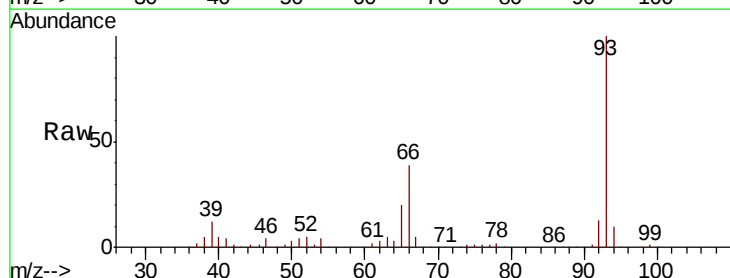
RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

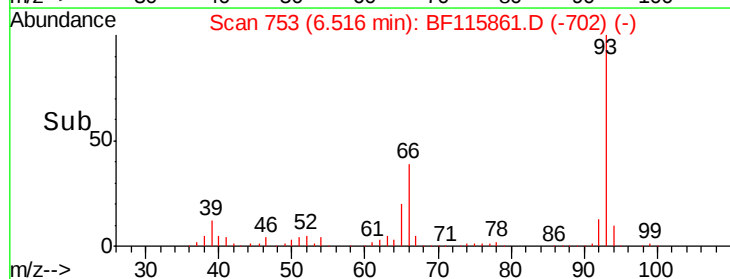
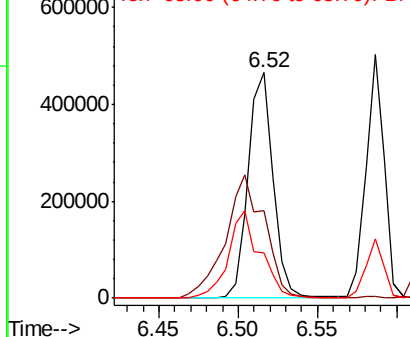
Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Tgt Ion:	93	Resp:	510620
Ion Ratio	Lower	Upper	
93	100		
66	38.7	31.4	47.0
65	20.1	16.5	24.7



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.232 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion: 99 Resp: 1238098

Ion Ratio Lower Upper

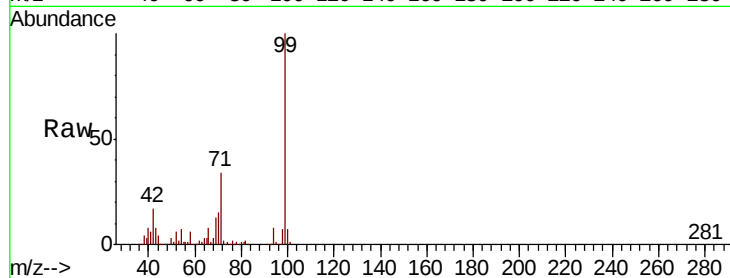
99 100

42 17.1 13.8 20.6

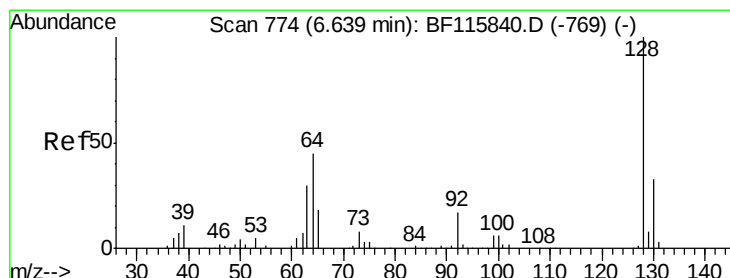
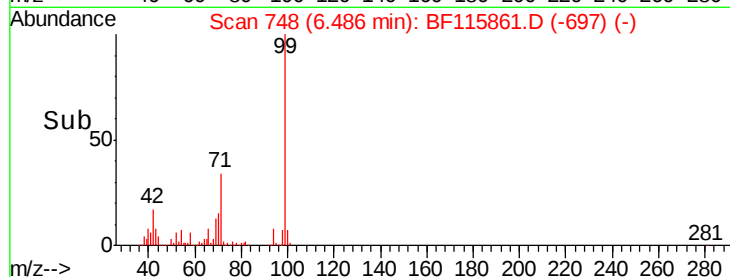
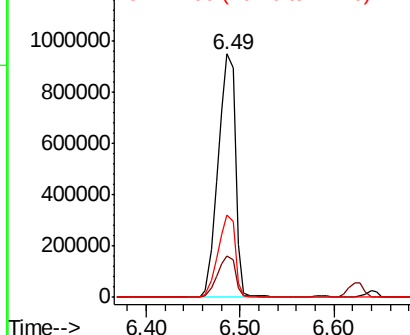
71 34.0 27.1 40.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.755 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

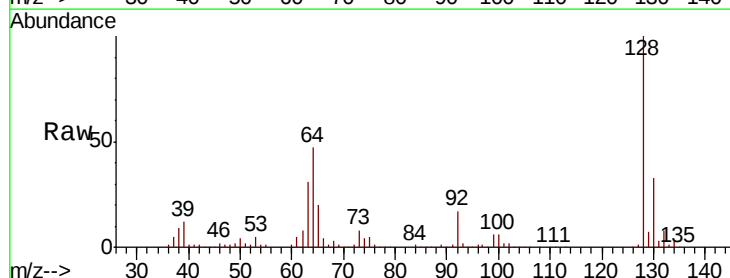
Tgt Ion: 128 Resp: 425142

Ion Ratio Lower Upper

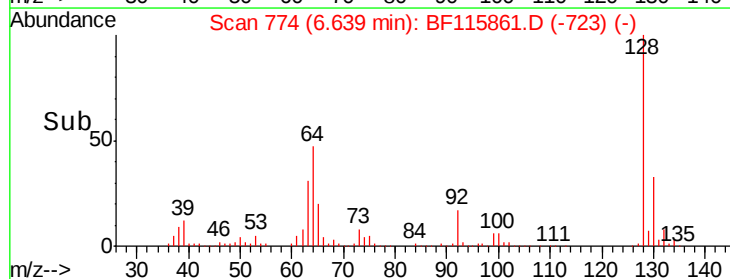
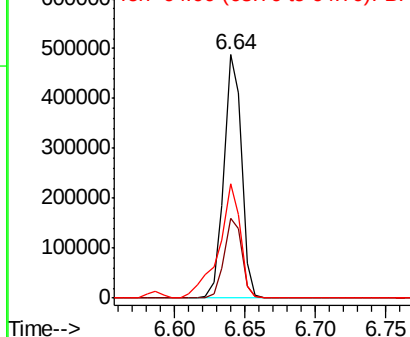
128 100

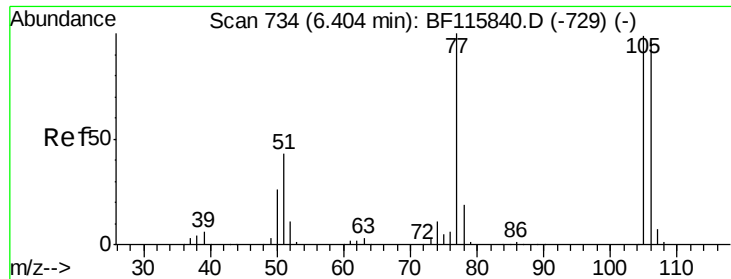
130 33.0 12.9 52.9

64 47.2 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





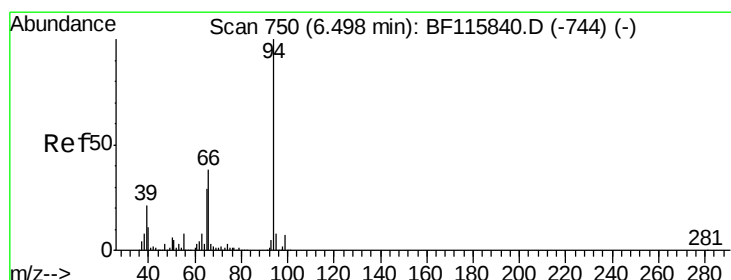
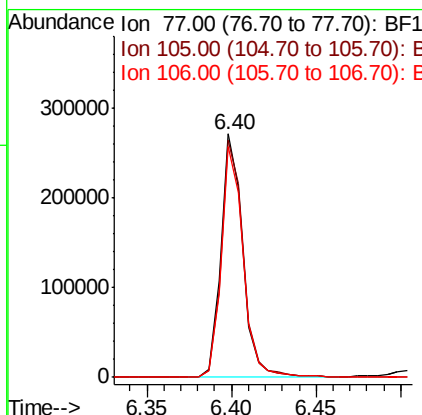
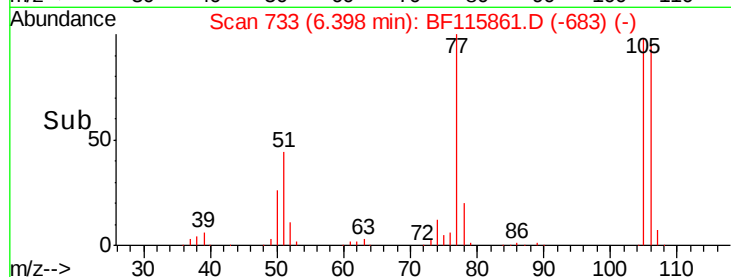
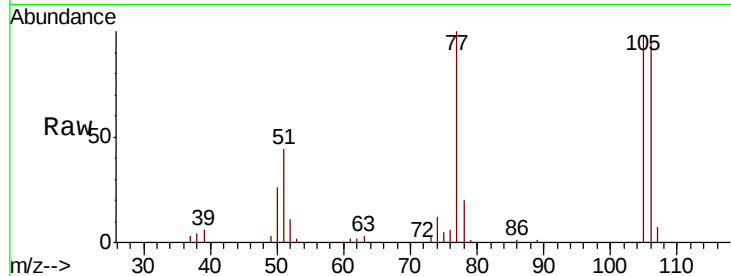
#9
Benzaldehyde
Concen: 32.873 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	97.5	79.0	119.0
106	95.0	76.2	116.2

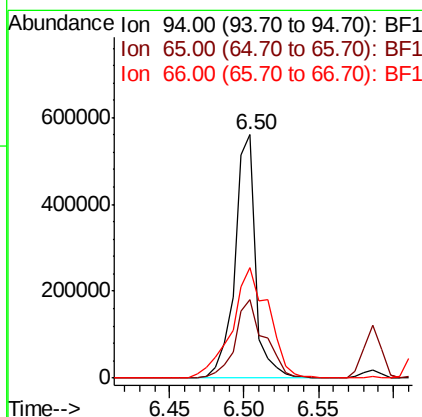
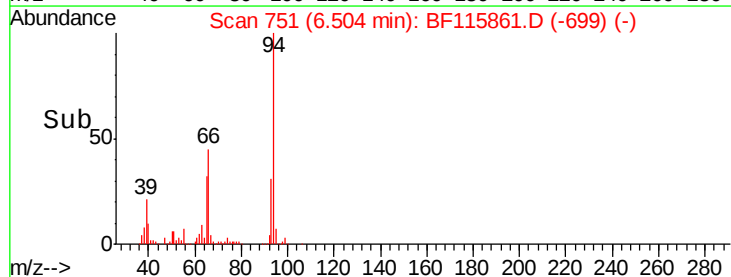
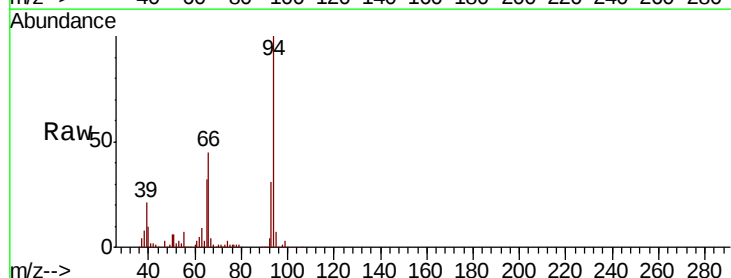
Manual Integrations
APPROVED

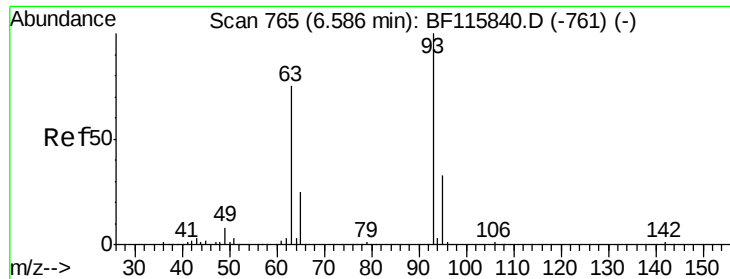
mohammad
8/1/2019 5:06:23 PM



#10
Phenol
Concen: 42.903 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.1	8.9	48.9
66	45.2	18.0	58.0





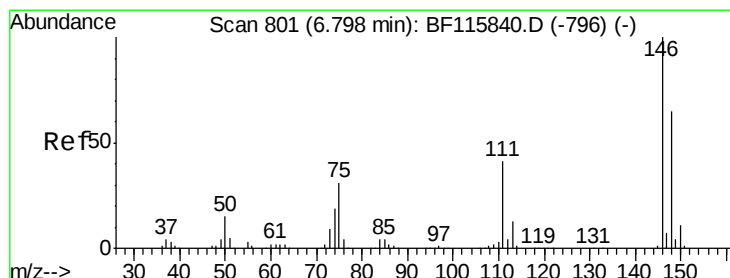
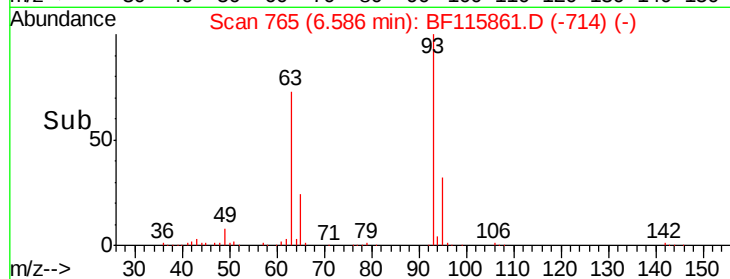
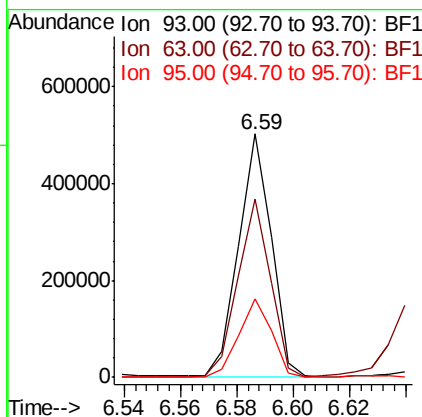
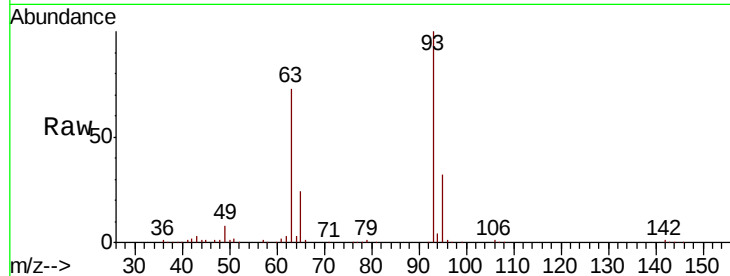
#11
bis(2-Chloroethyl)ether
Concen: 42.924 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	402791		
63	73.2	54.9	94.9	
95	32.5	13.3	53.3	

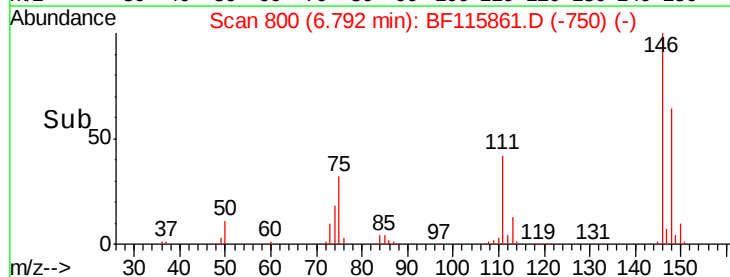
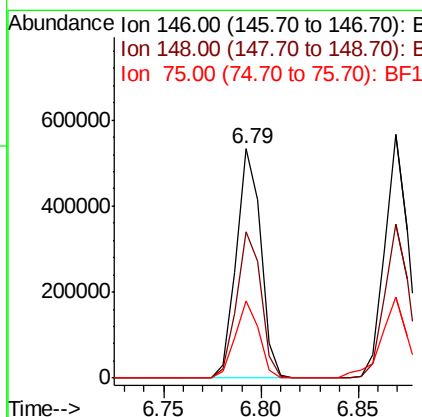
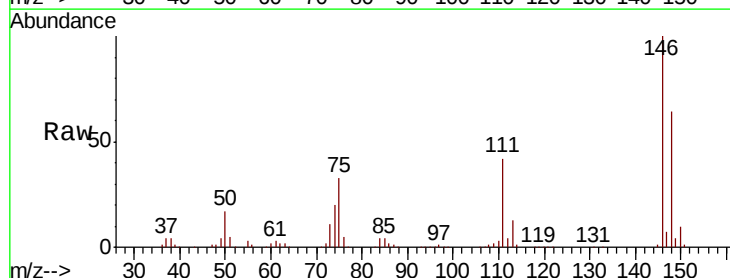
Manual Integrations
APPROVED

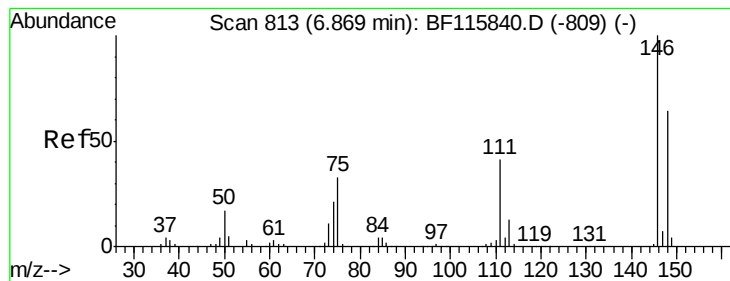
mohammad
8/1/2019 5:06:23 PM



#12
1,3-Dichlorobenzene
Concen: 42.336 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	464782		
148	63.9	52.1	78.1	
75	33.4	25.0	37.6	





#13

1,4-Dichlorobenzene

Concen: 42.685 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

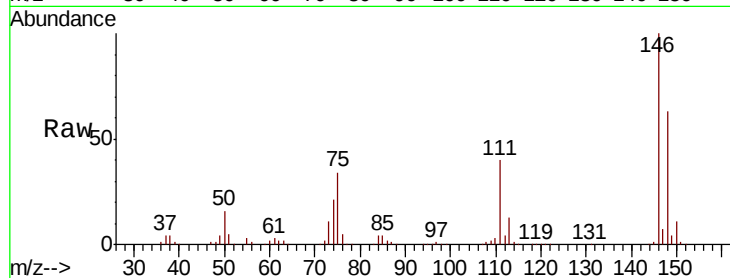
ClientSampleId :

PB121731BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.2	76.8
111	40.2	33.2	49.8

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

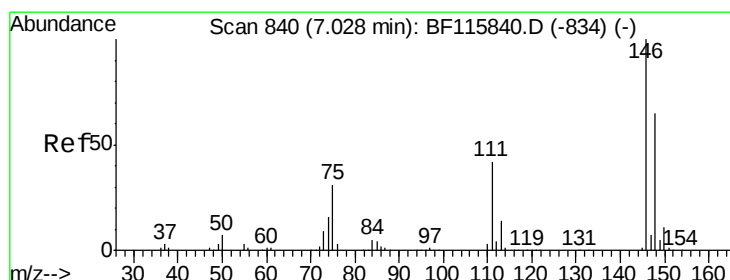
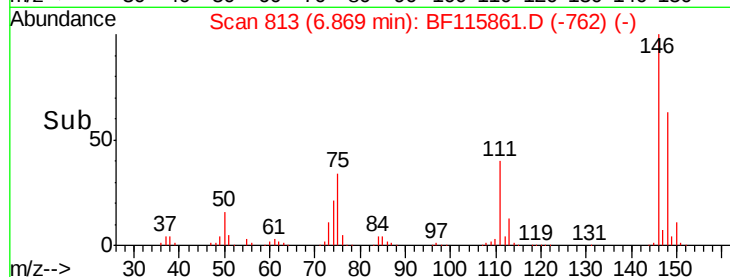
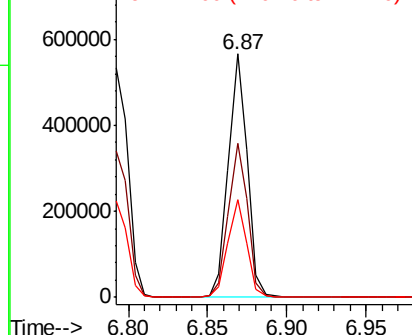


Abundance

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: 42.832 ng

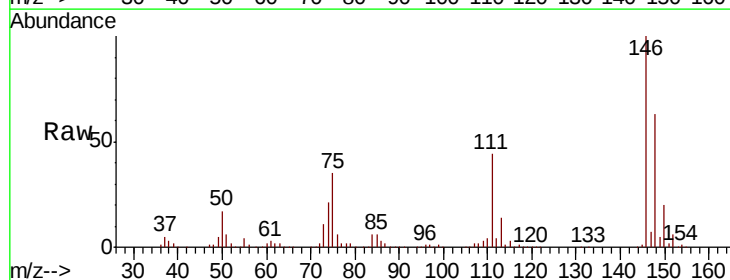
RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.6	77.4
111	44.4	33.6	50.4

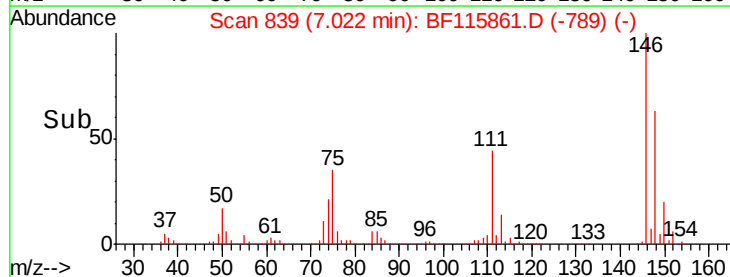
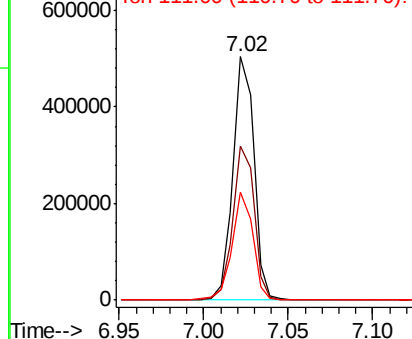


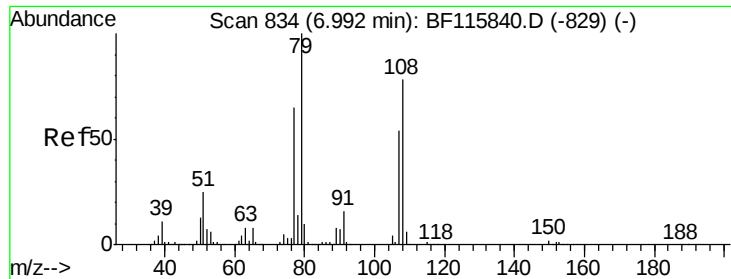
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 44.337 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

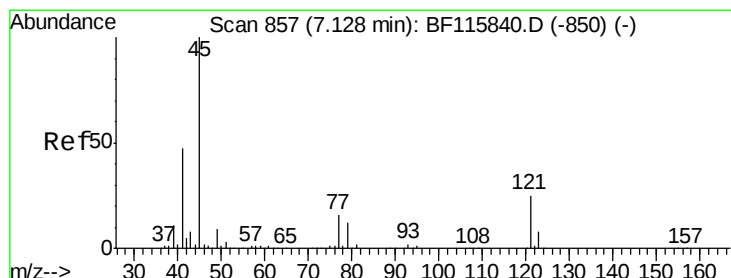
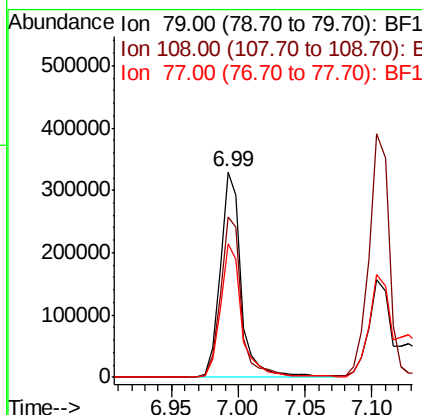
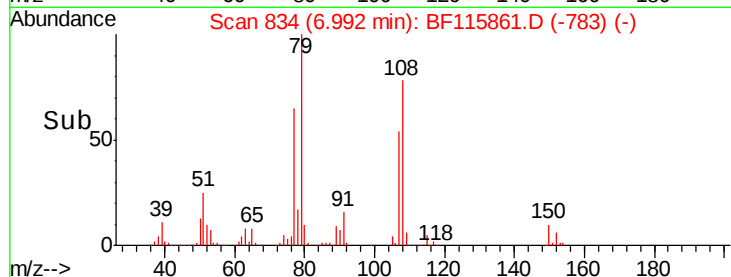
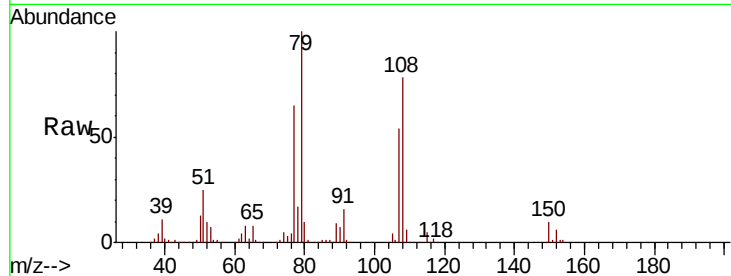
ClientSampleID :

PB121731BS

Tot Ion:	79	Resp:	364679
Ion	Ratio	Lower	Upper
79	100		
108	78.3	62.8	94.2
77	64.7	52.0	78.0

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.681 ng

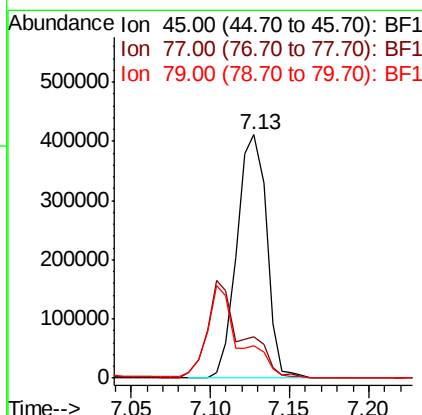
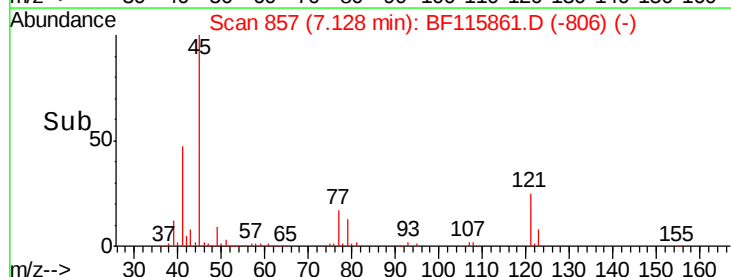
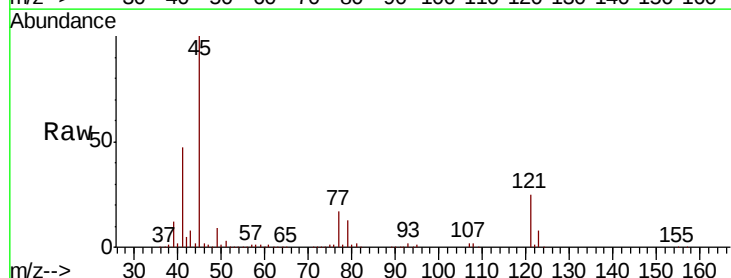
RT: 7.13 min Scan# 857

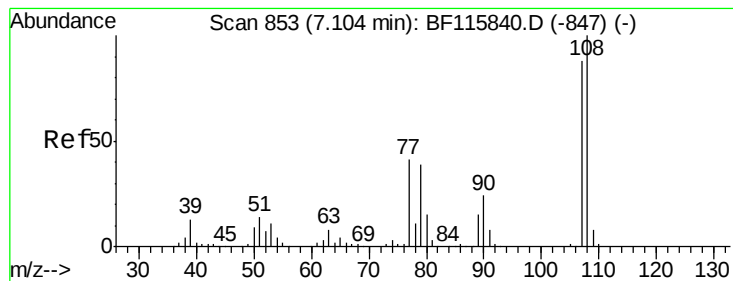
Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Tgt Ion:	45	Resp:	533496
Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.3
79	13.1	0.0	32.5





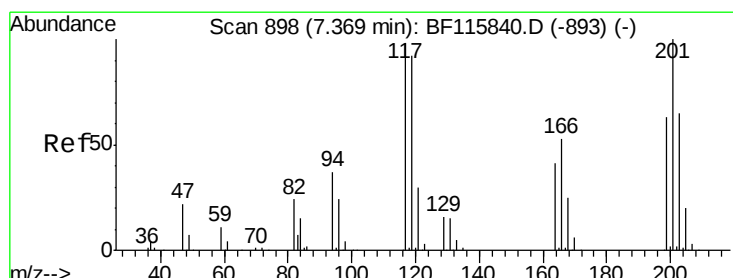
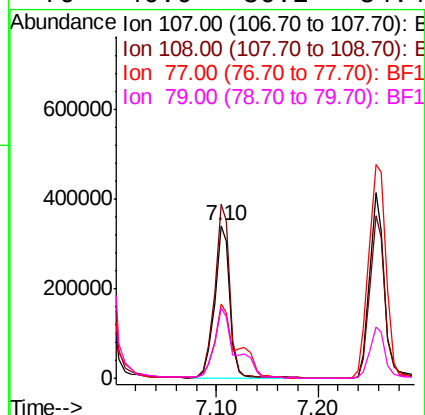
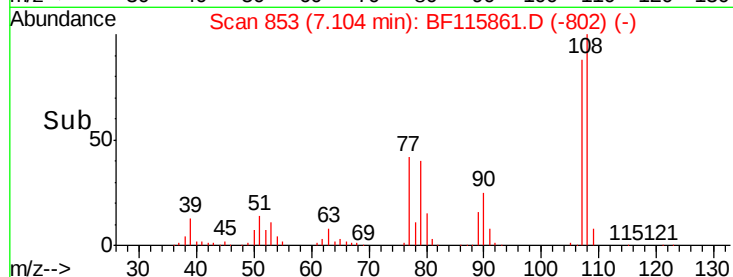
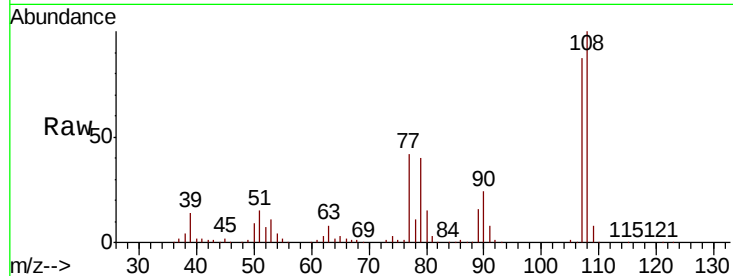
#17
2-Methylphenol
Concen: 44.032 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.4	91.4	137.0	
77	48.3	37.6	56.4	
79	46.0	36.2	54.4	

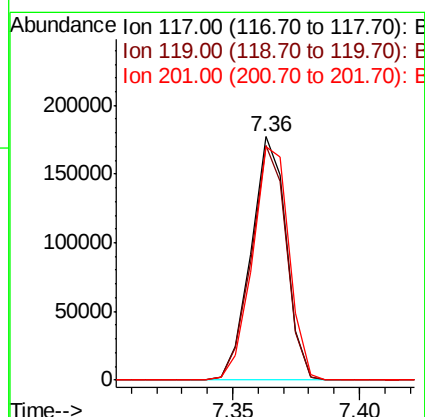
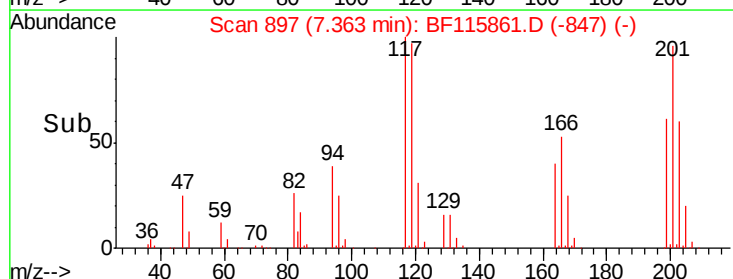
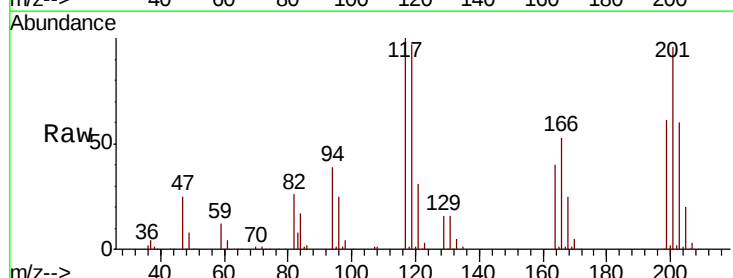
Manual Integrations
APPROVED

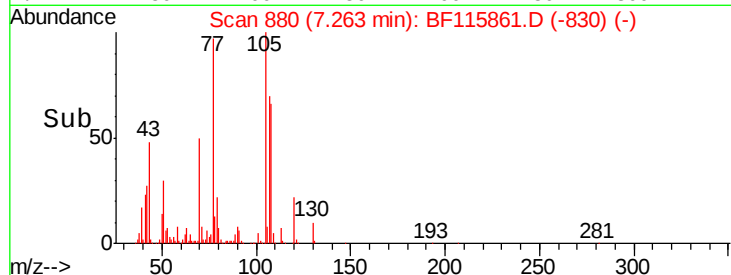
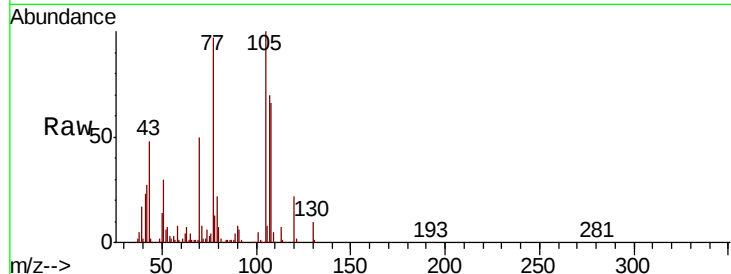
mohammad
8/1/2019 5:06:23 PM



#18
Hexachloroethane
Concen: 42.018 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	75.8	113.6	
201	96.0	82.0	123.0	





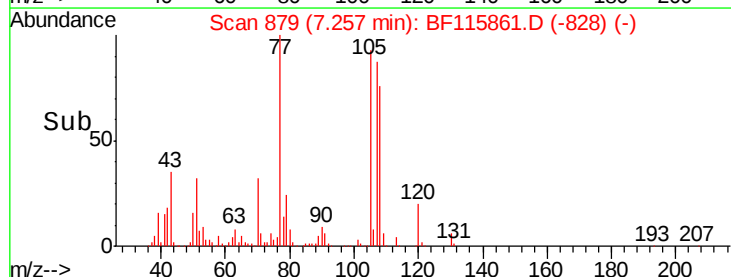
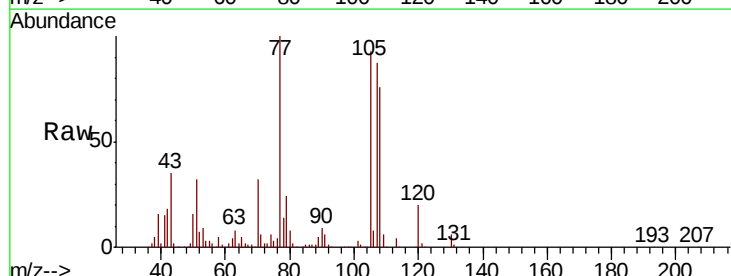
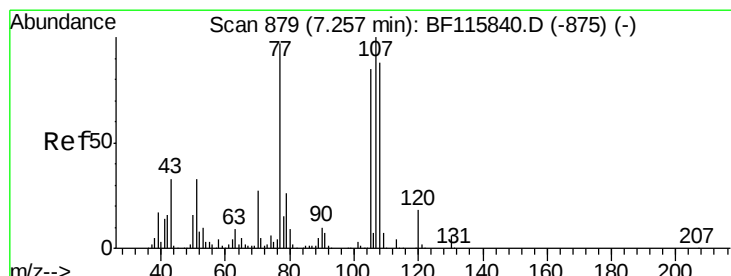
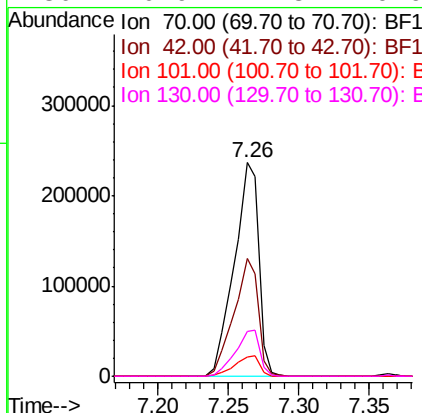
#19
n-Nitroso-di-n-propylamine
Concen: 42.737 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	55.1	41.8	62.8		
101	9.1	7.7	11.5		
130	20.9	17.8	26.6		

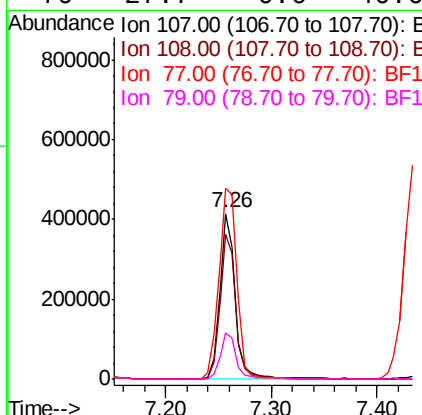
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#20
3+4-Methylphenols
Concen: 44.269 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	87.9	67.9	107.9		
77	115.4	77.3	117.3		
79	27.7	6.6	46.6		





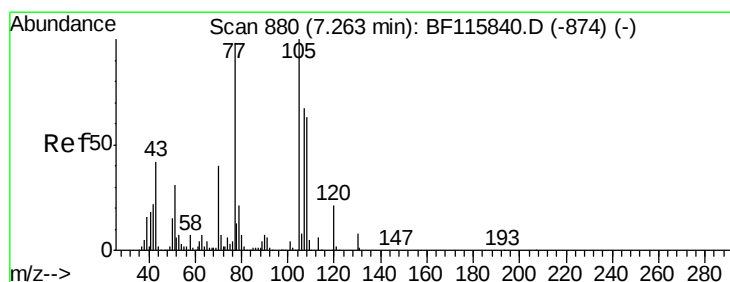
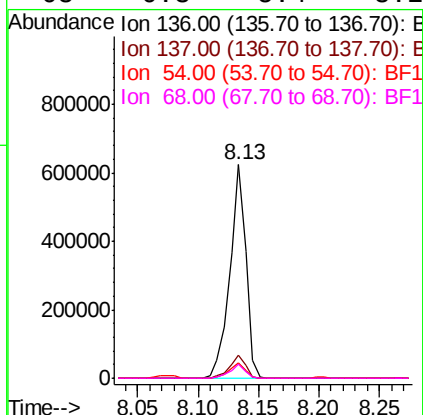
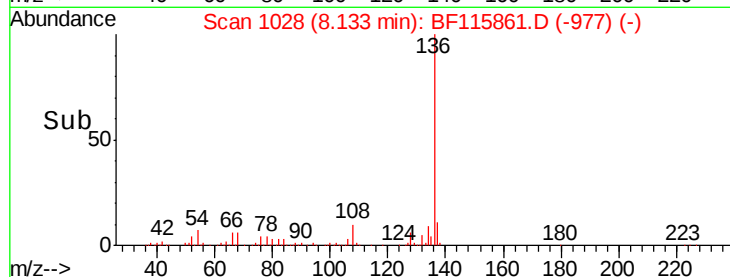
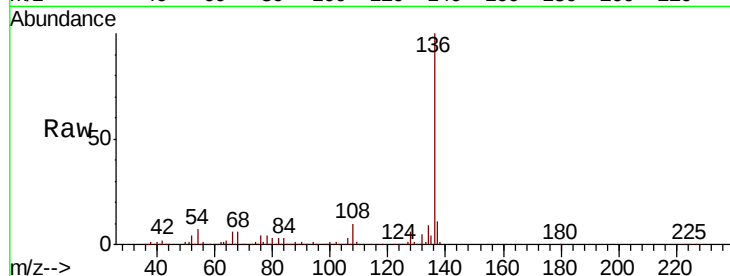
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		575744		
137	11.0	9.1	13.7		
54	7.1	6.1	9.1		
68	6.3	5.4	8.2		

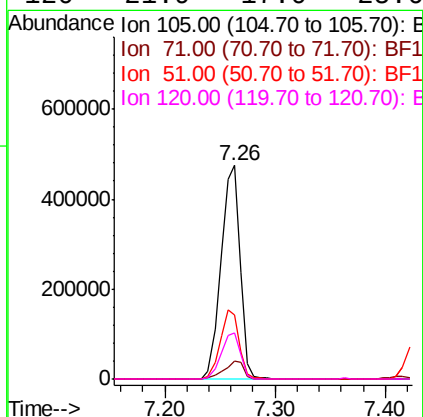
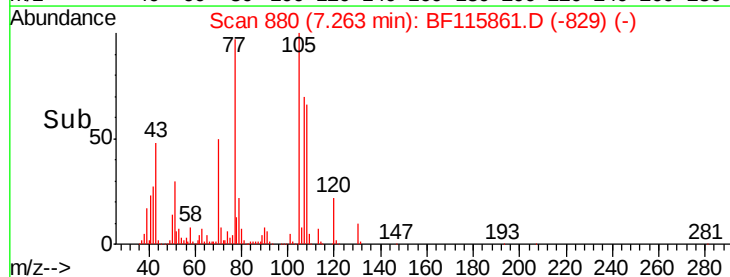
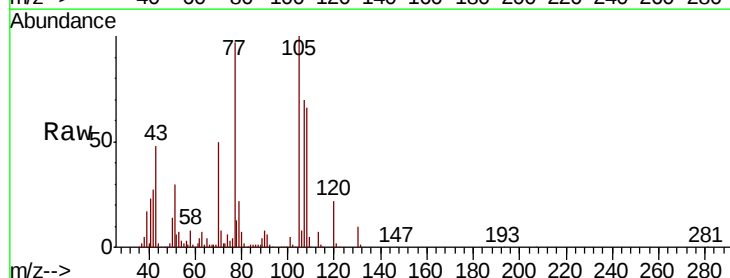
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#22
Acetophenone
Concen: 45.288 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		571846		
71	8.3	5.4	8.0#		
51	30.3	24.6	36.8		
120	21.9	17.0	25.6		





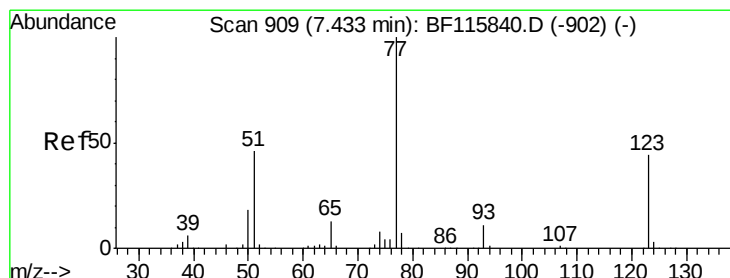
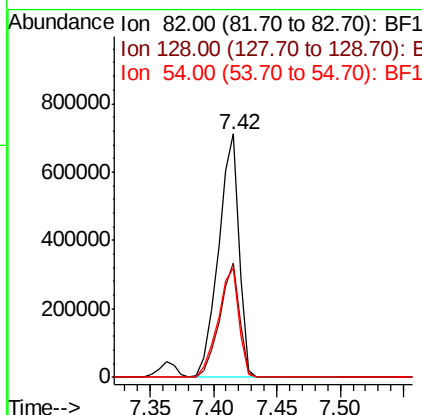
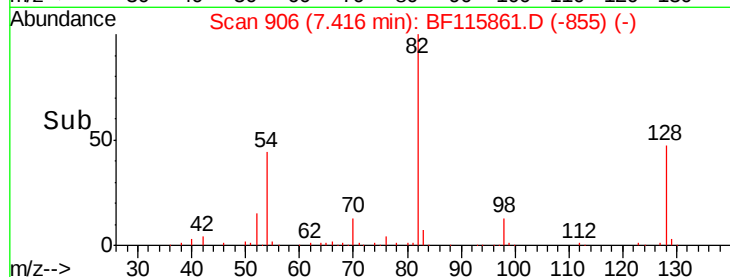
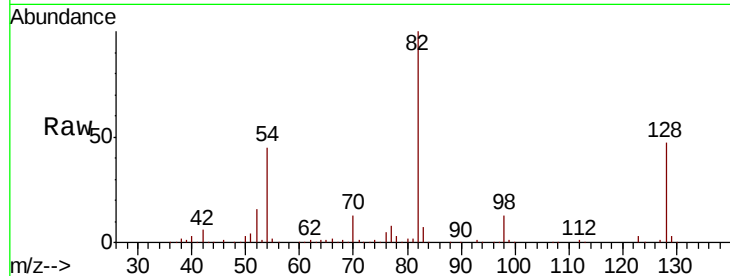
#23
Nitrobenzene-d5
Concen: 80.816 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.6	55.0
54	44.6	36.6	55.0

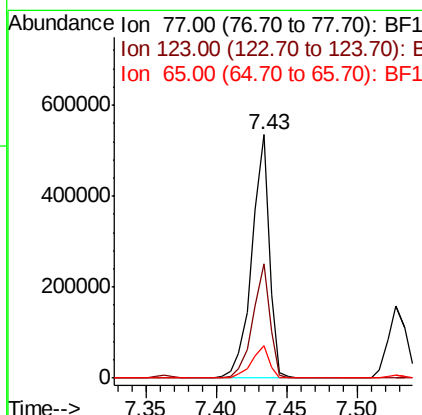
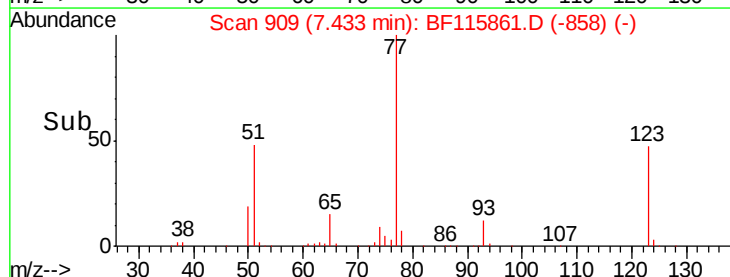
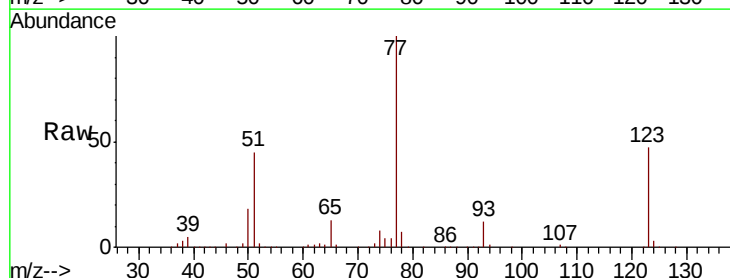
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#24
Nitrobenzene
Concen: 43.390 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.0	35.5	53.3
65	13.3	10.6	15.8





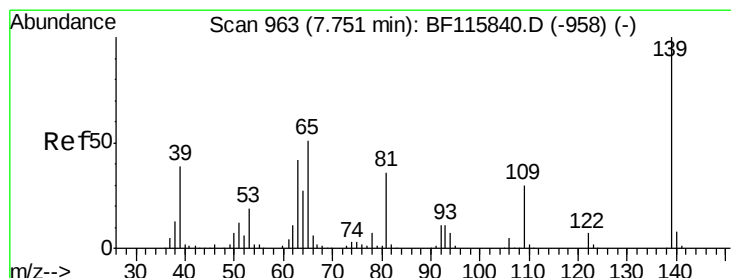
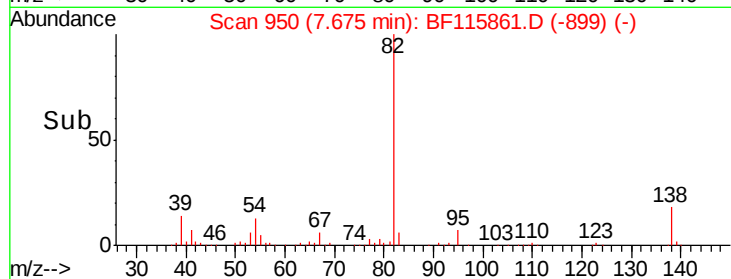
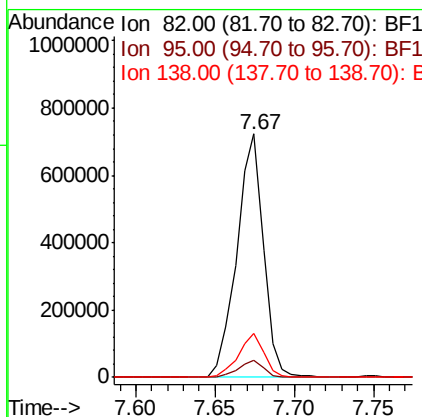
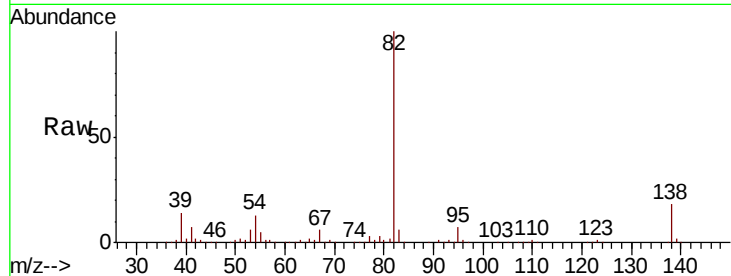
#25
Isophorone
Concen: 44.082 ng
RT: 7.67 min Scan# 950
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	840736		
95	6.8		5.5	8.3
138	18.1		13.9	20.9

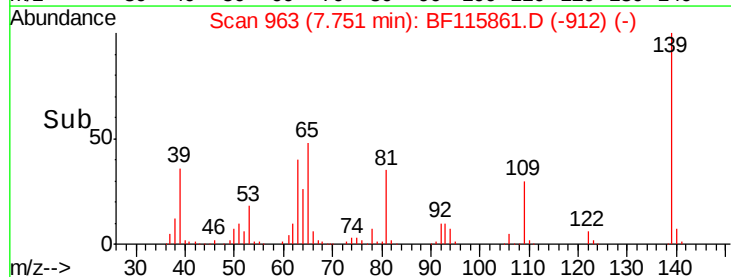
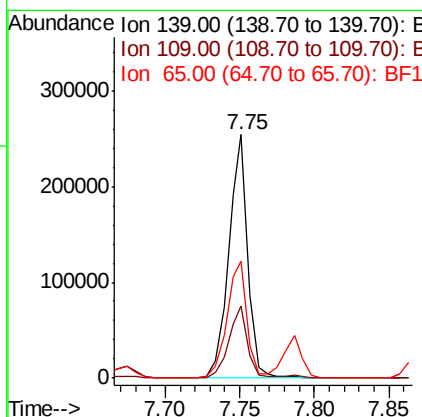
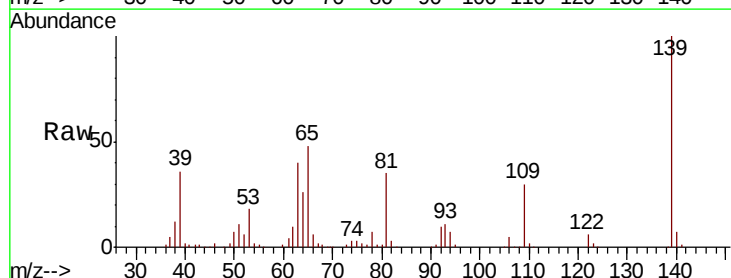
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#26
2-Nitrophenol
Concen: 45.031 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	228611		
109	29.6		23.6	35.4
65	48.3		40.6	60.8





#27

2,4-Dimethylphenol

Concen: 48.868 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

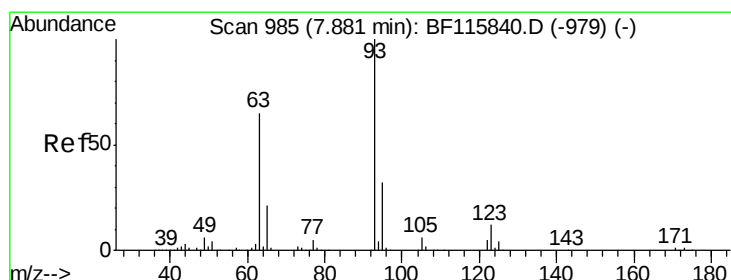
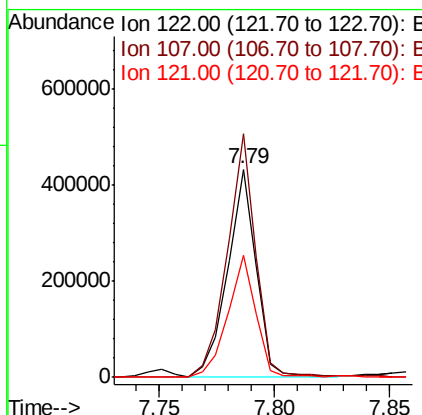
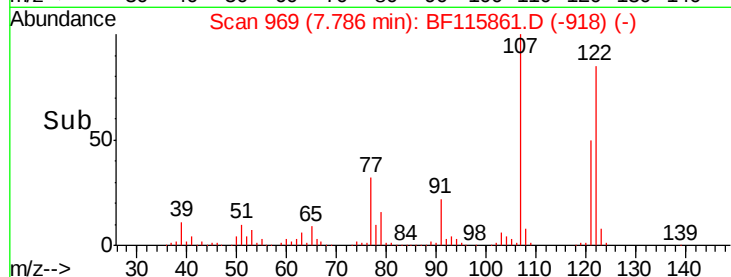
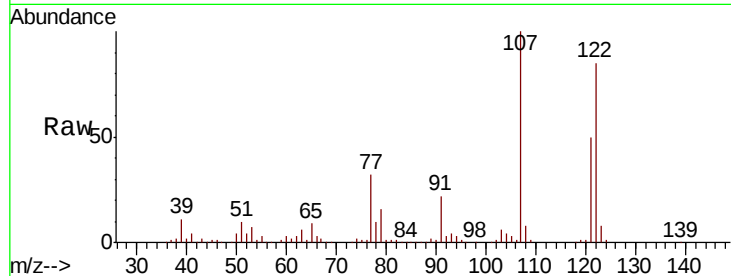
ClientSampleId :

PB121731BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		373246		
107	117.2	91.7		137.5	
121	58.5	46.6		70.0	

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#28

bis(2-Chloroethoxy)methane

Concen: 42.320 ng

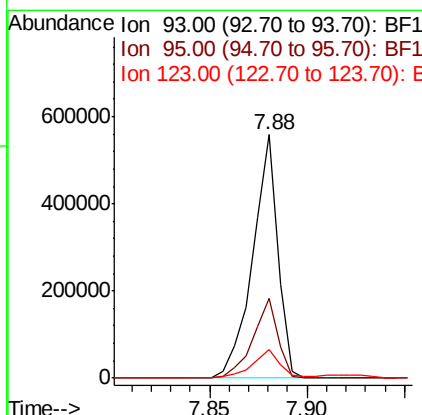
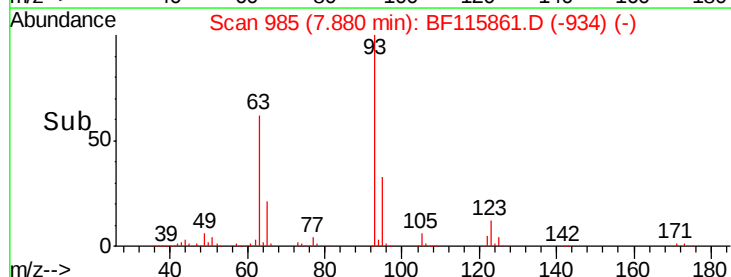
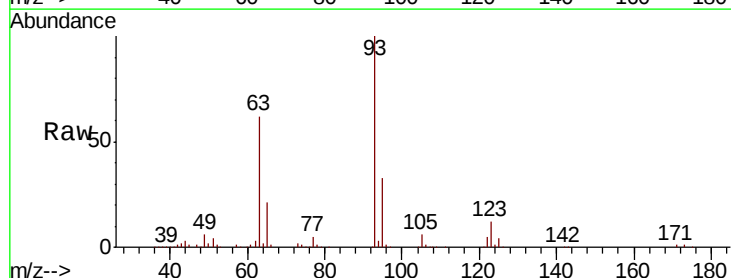
RT: 7.88 min Scan# 985

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		500281		
95	32.7	26.0		39.0	
123	11.7	9.5		14.3	





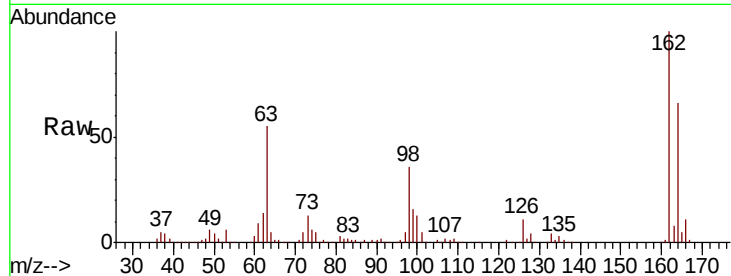
#29
2,4-Dichlorophenol
Concen: 44.385 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	357947		
164	65.6	43.2	83.2	
98	36.4	17.3	57.3	

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

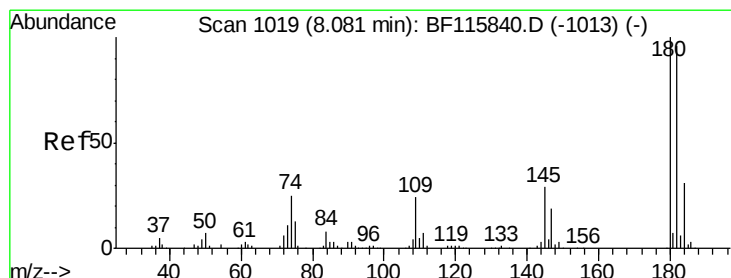
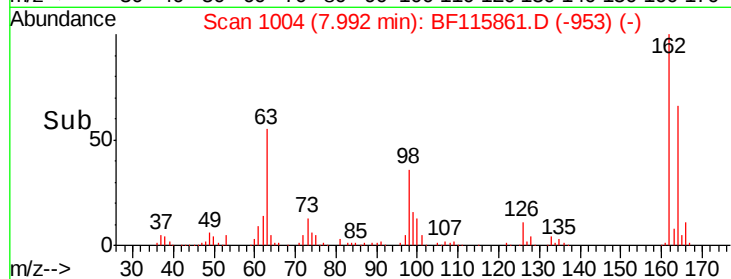
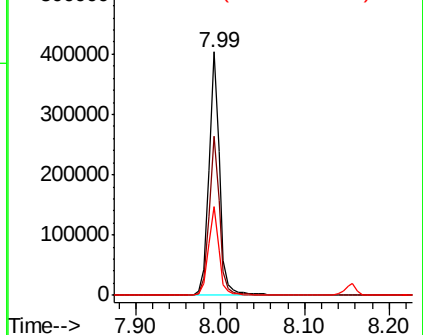


Abundance

Ion 162.00 (161.70 to 162.70): E

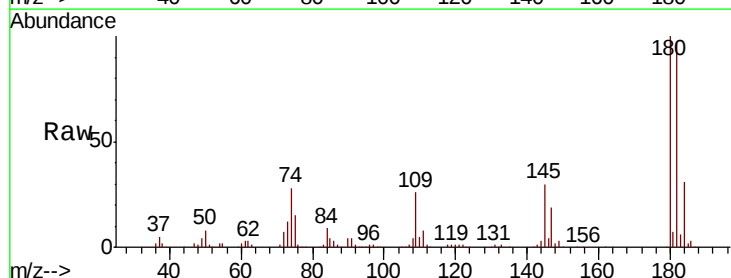
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 42.383 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	389622		
182	96.7	76.6	114.8	
145	30.2	23.2	34.8	

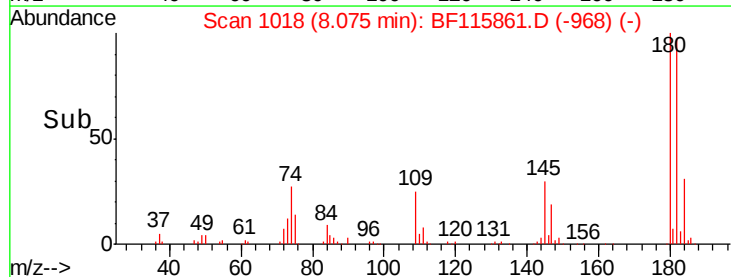
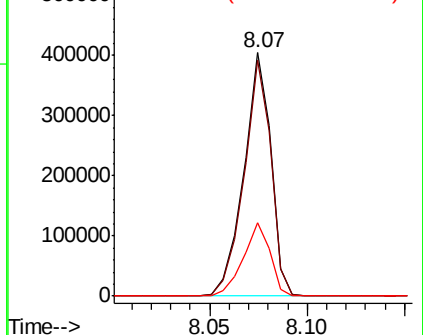


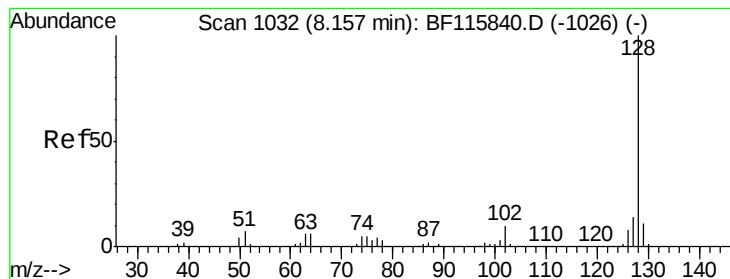
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.815 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion:128 Resp: 1214184

Ion Ratio Lower Upper

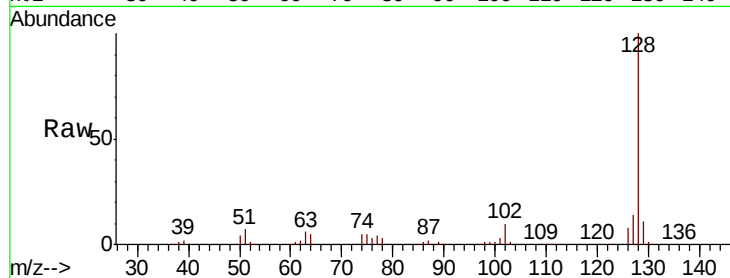
128 100

129 11.2 9.2 13.8

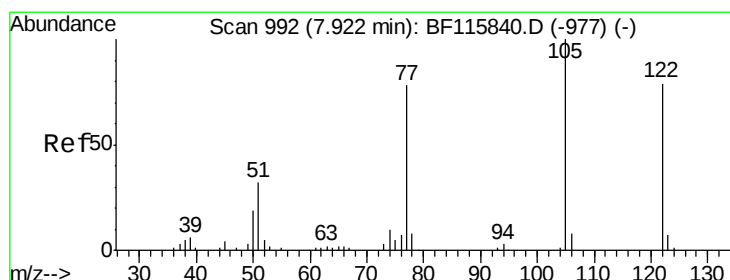
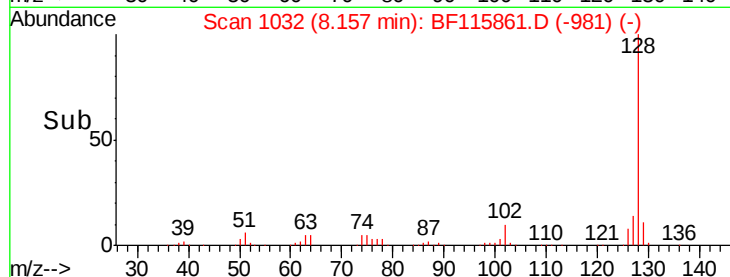
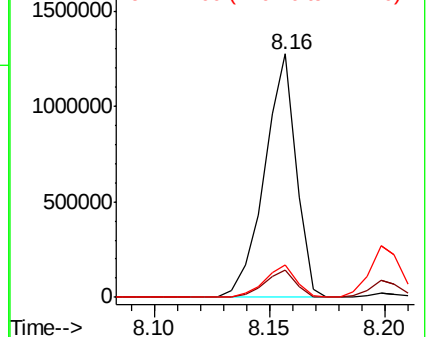
127 13.6 11.0 16.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 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: 44.639 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

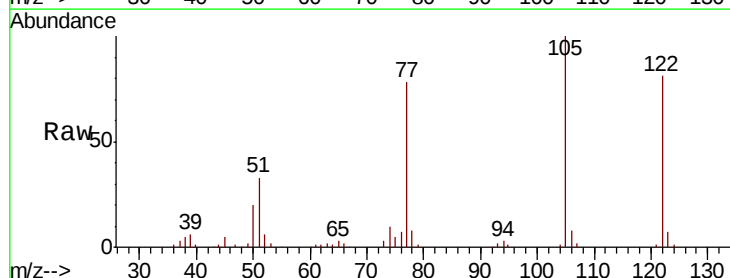
Tgt Ion:122 Resp: 240379

Ion Ratio Lower Upper

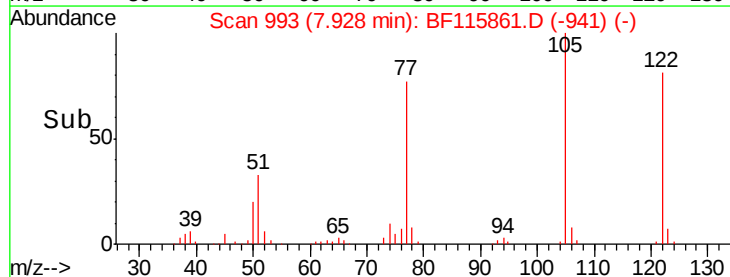
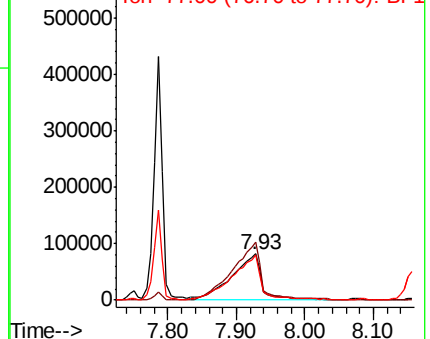
122 100

105 124.0 103.1 143.1

77 96.7 76.8 116.8



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





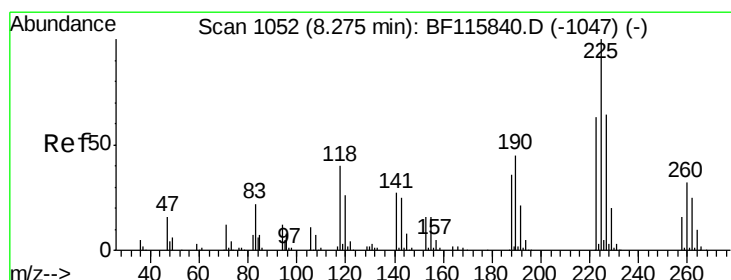
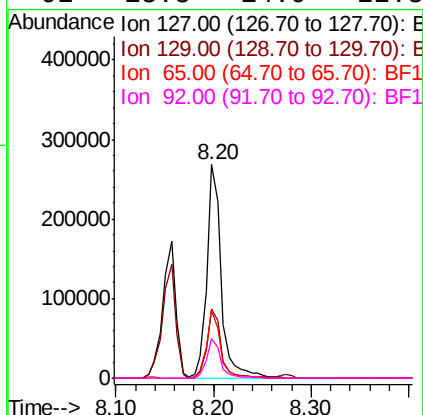
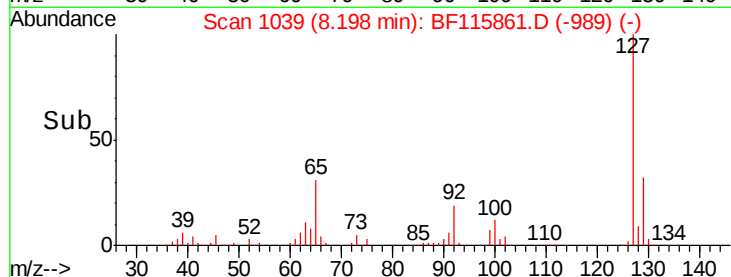
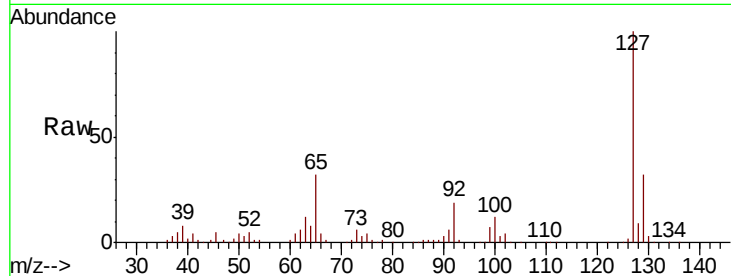
#33
4-Chloroaniline
Concen: 23.055 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		279087		
129	32.3	26.0	39.0		
65	31.6	23.9	35.9		
92	18.8	14.9	22.3		

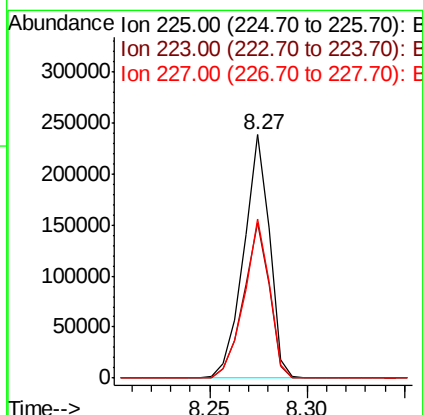
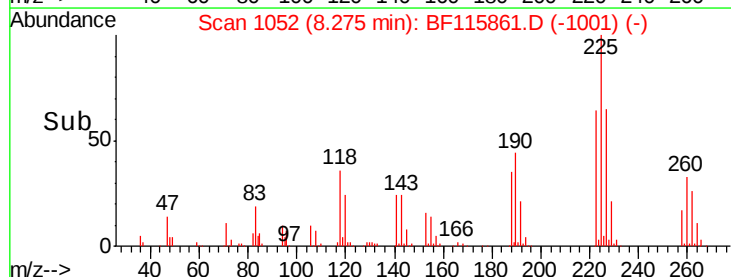
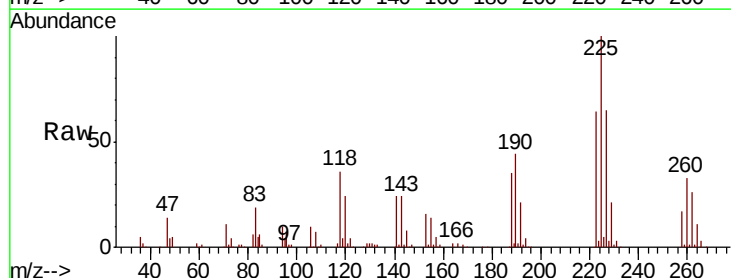
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#34
Hexachlorobutadiene
Concen: 41.392 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		219169		
223	63.6	50.4	75.6		
227	65.1	51.6	77.4		





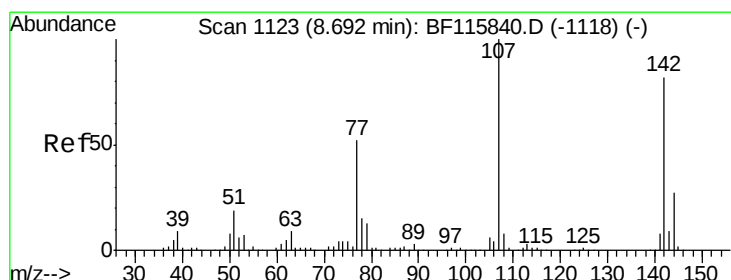
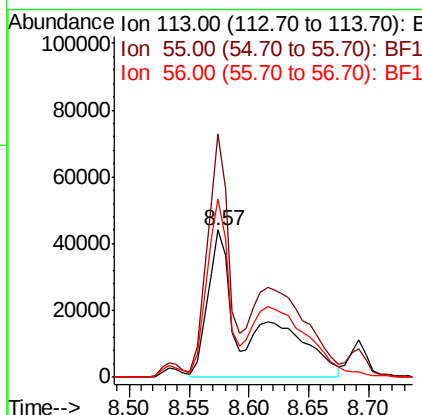
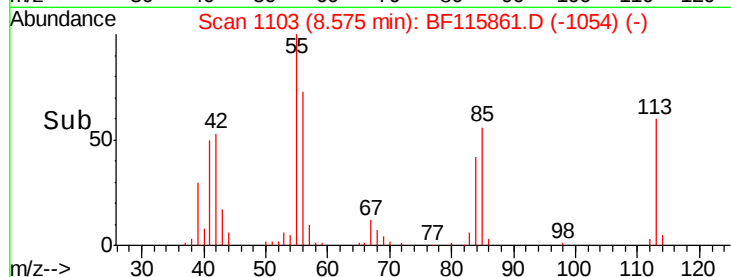
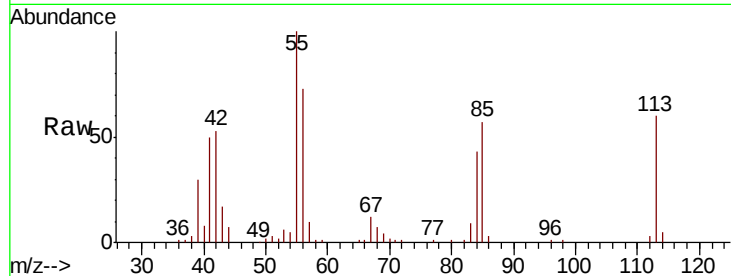
#35
Caprolactam
Concen: 41.683 ng/ml
RT: 8.57 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	165.4	138.1	178.1
56	121.5	100.6	140.6

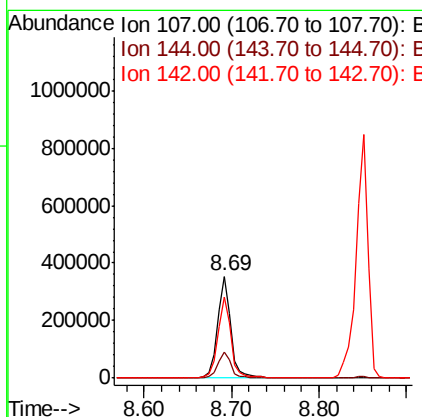
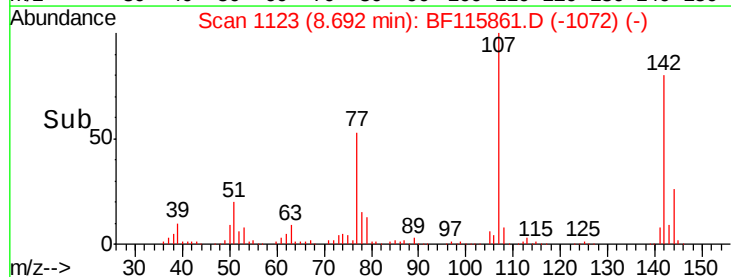
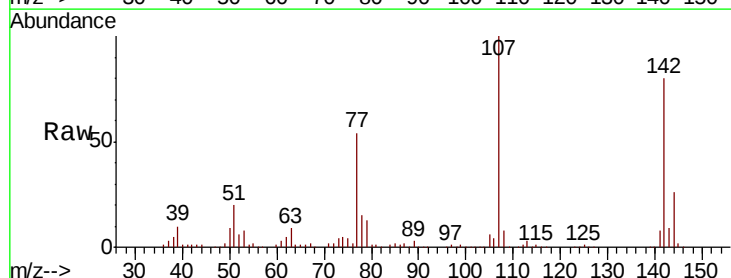
Manual Integrations
APPROVED

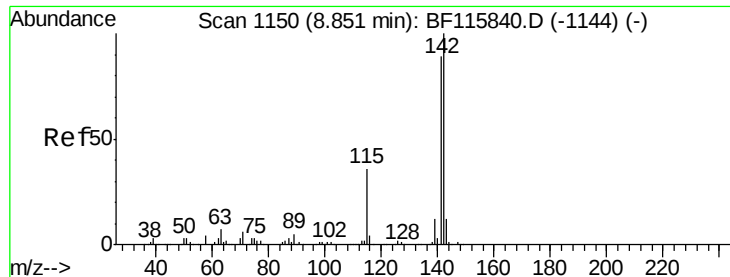
mohammad
8/1/2019 5:06:23 PM



#36
4-Chloro-3-methylphenol
Concen: 44.523 ng/ml
RT: 8.69 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.4	32.0
142	79.7	65.5	98.3





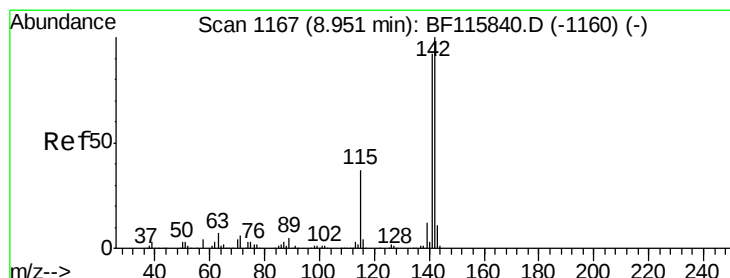
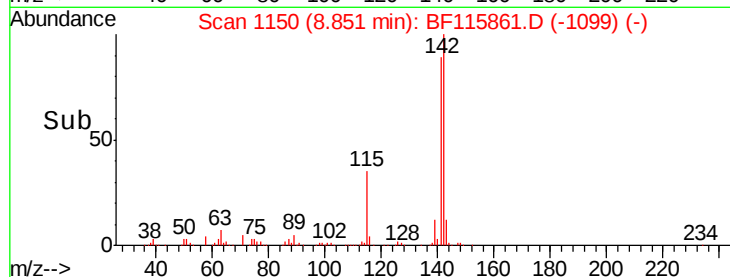
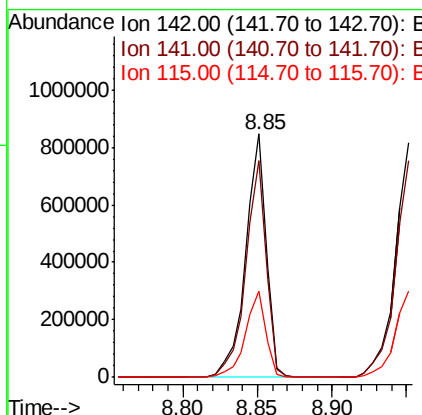
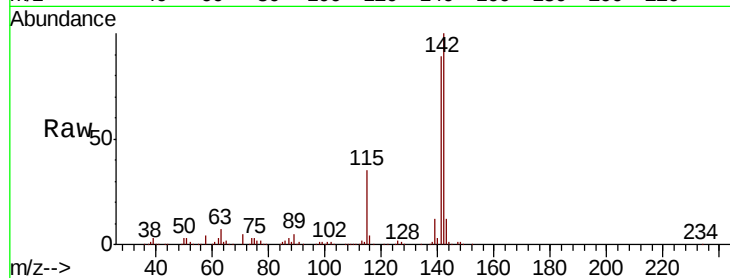
#37
2-Methylnaphthalene
Concen: 45.304 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.2
115	35.4	28.9	43.3

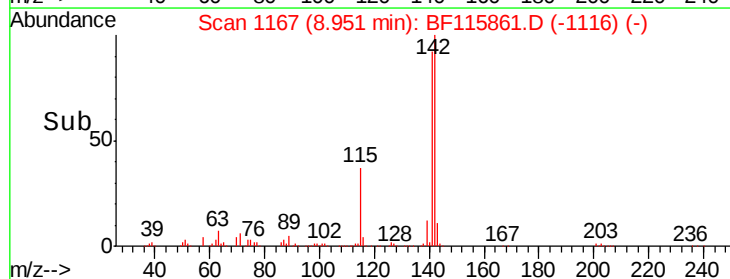
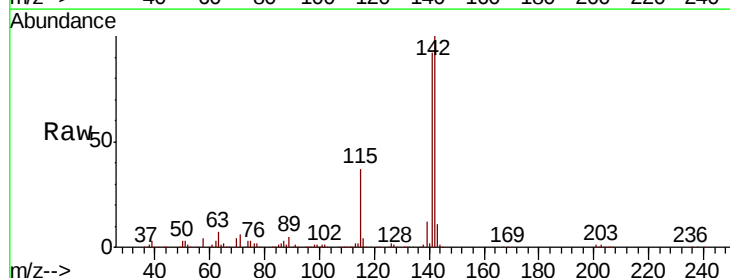
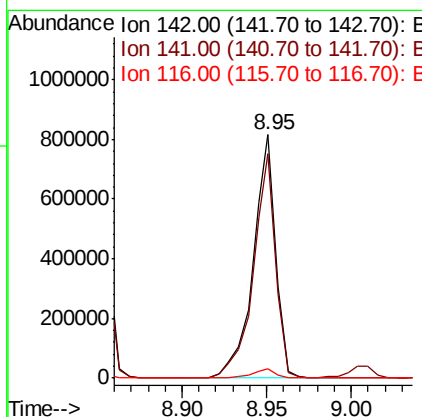
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#38
1-Methylnaphthalene
Concen: 44.699 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.8	110.6
116	3.7	3.1	4.7





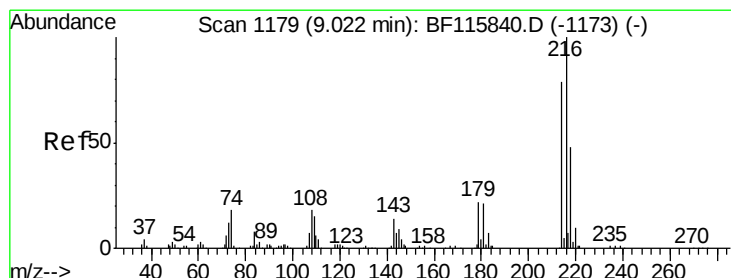
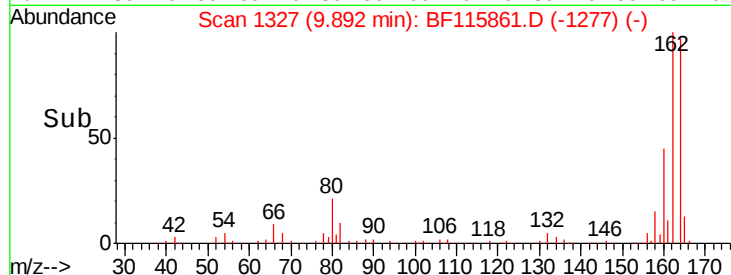
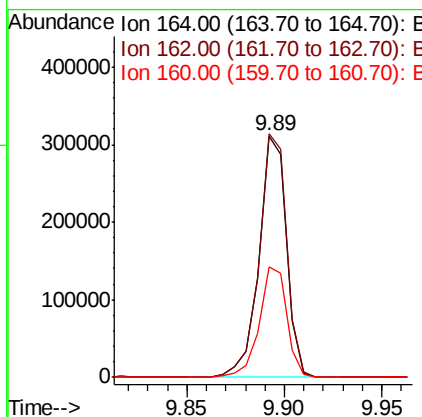
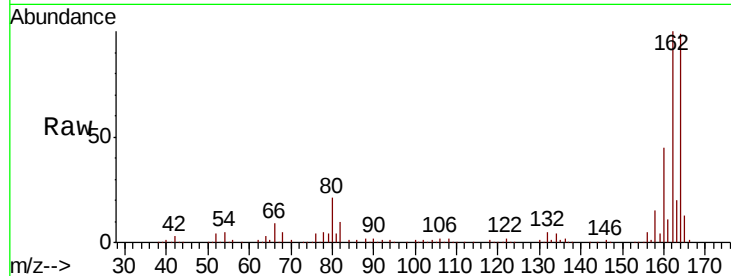
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	80.8	121.2	
160	45.5	36.2	54.4	

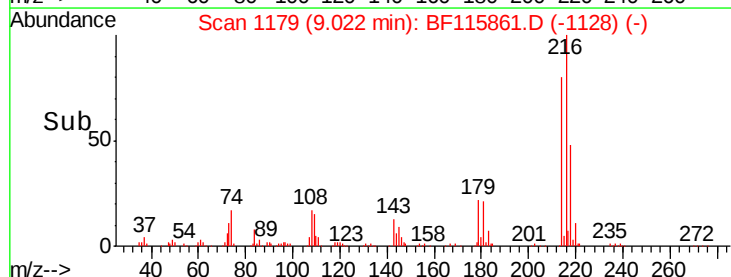
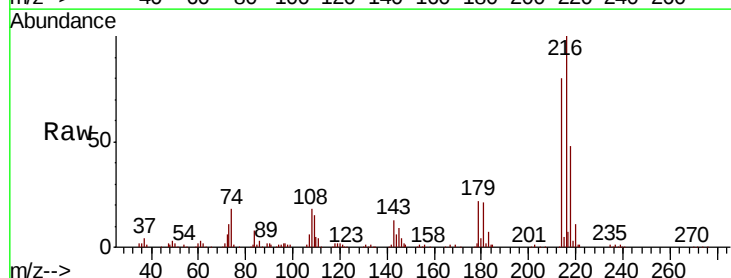
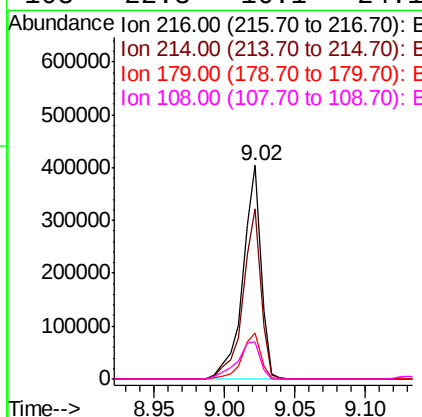
Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:06:23 PM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.731 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.0	62.8	94.2	
179	22.0	17.6	26.4	
108	22.3	16.1	24.1	





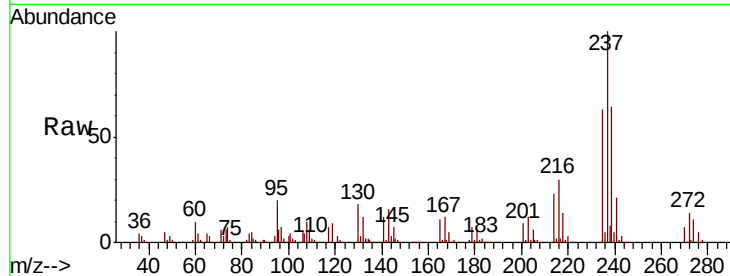
#41
Hexachlorocyclopentadiene
Concen: 84.726 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

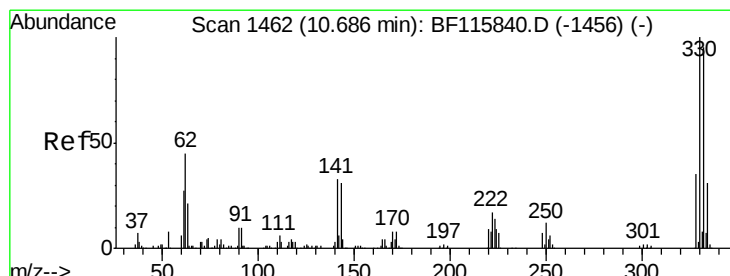
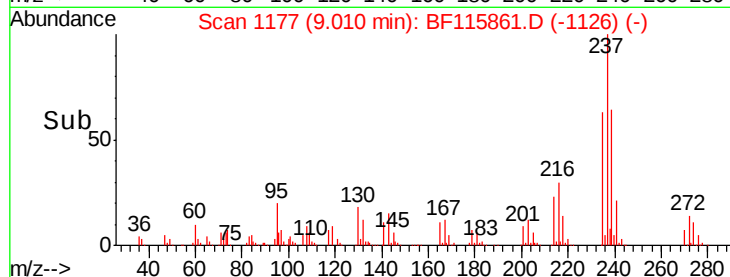
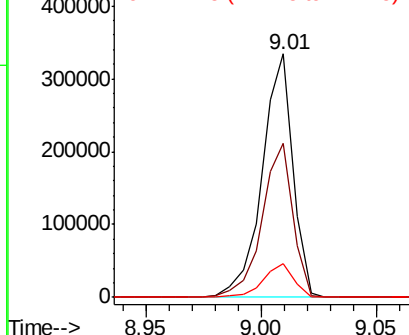
Tot Ion:	237	Resp:	309124
Ion Ratio	Lower	Upper	
237	100		
235	63.5	42.5	82.5
272	13.7	0.0	33.3

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



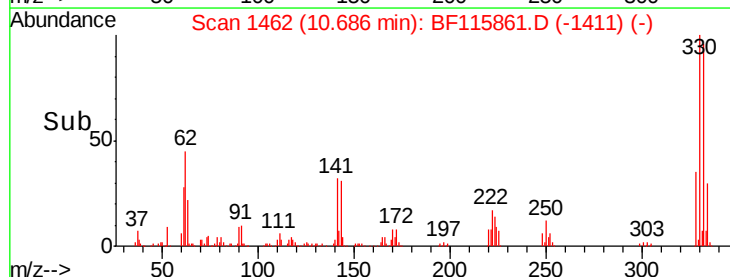
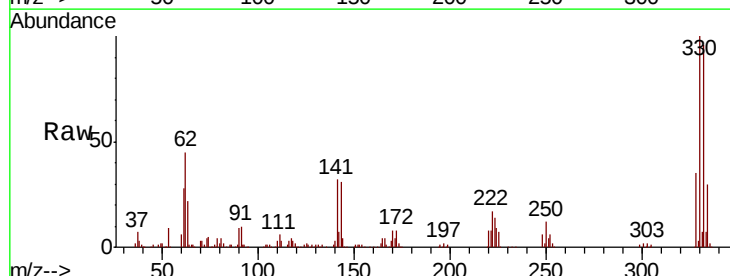
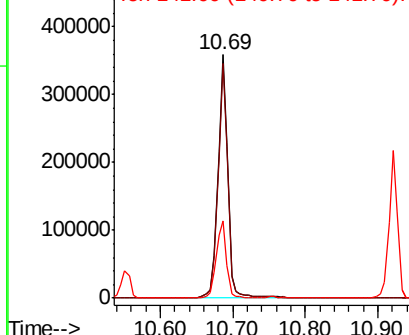
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

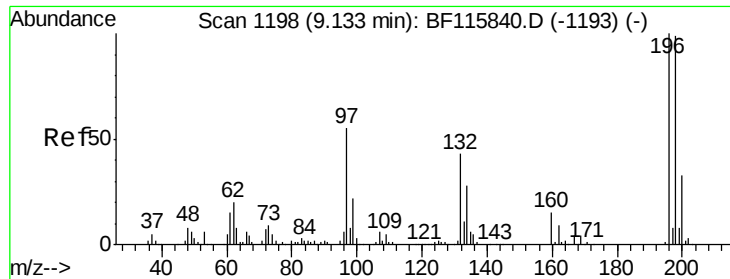


#42
2,4,6-Tribromophenol
Concen: 117.031 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion:	330	Resp:	343403
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.7	116.5
141	33.1	28.1	42.1

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





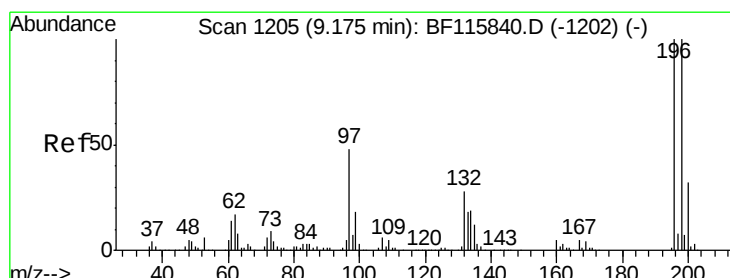
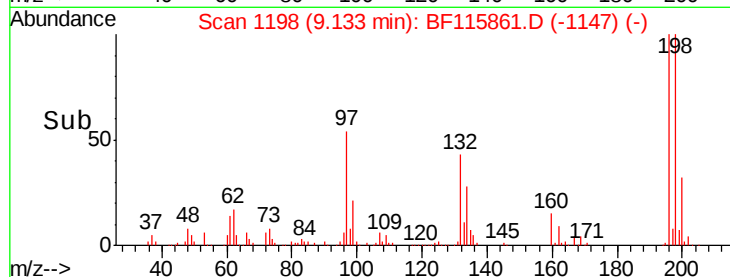
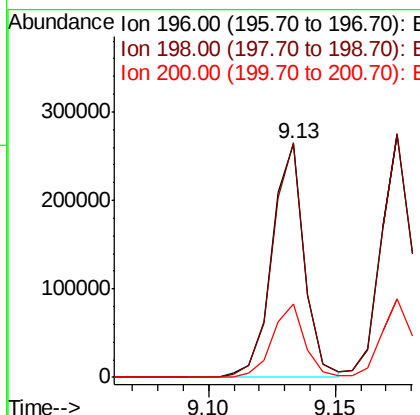
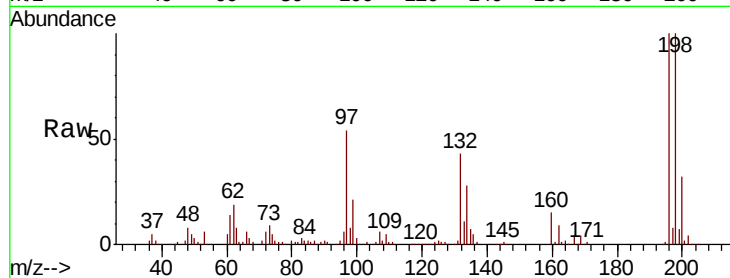
#43
 2,4,6-Trichlorophenol
 Concen: 42.313 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

Tot Ion:	196	Resp:	235650
Ion Ratio	Lower	Upper	
196	100		
198	100.4	79.1	118.7
200	31.7	26.0	39.0

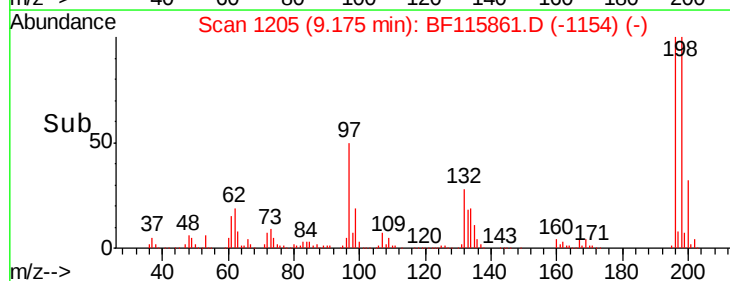
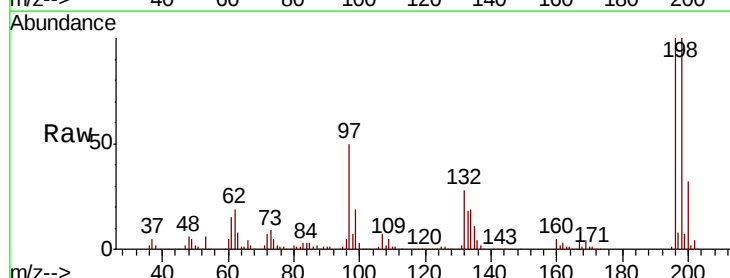
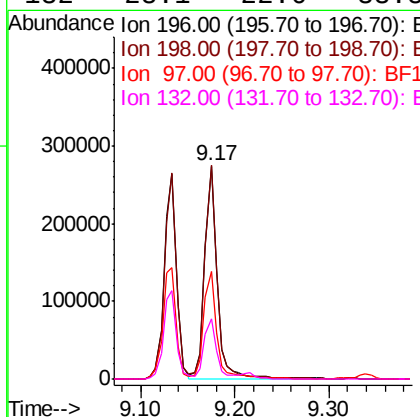
Manual Integrations
 APPROVED

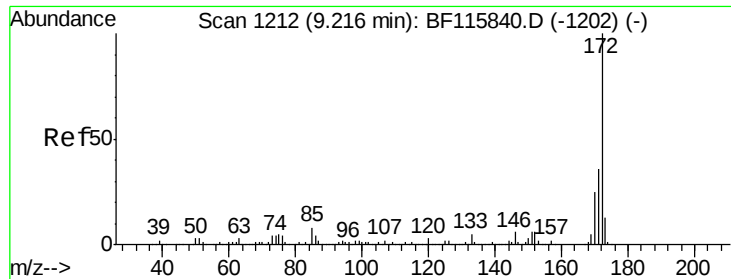
mohammad
 8/1/2019 5:06:23 PM



#44
 2,4,5-Trichlorophenol
 Concen: 44.439 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tgt Ion:	196	Resp:	255832
Ion Ratio	Lower	Upper	
196	100		
198	100.5	80.1	120.1
97	50.5	38.9	58.3
132	28.1	22.6	33.8





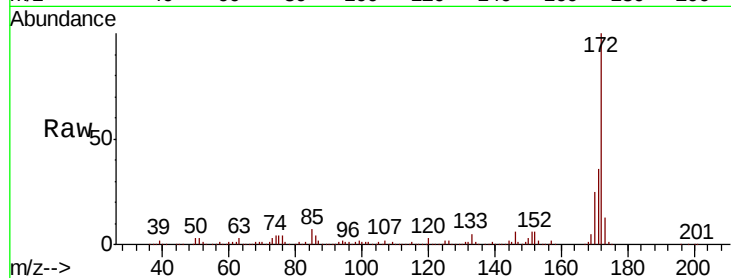
#45
2-Fluorobiphenyl
Concen: 85.695 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.1	43.7
170	24.8	20.1	30.1

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

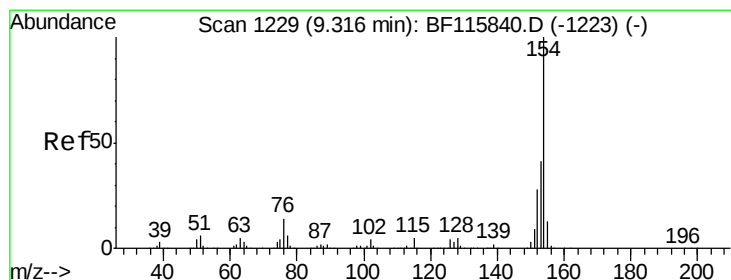
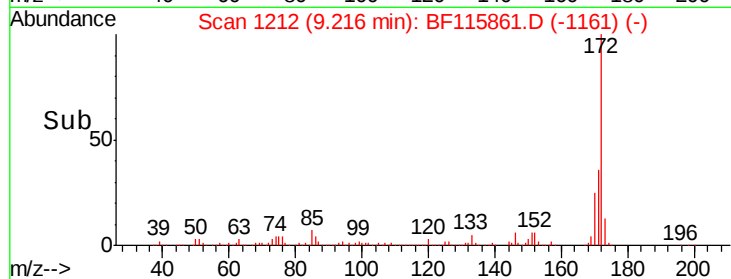
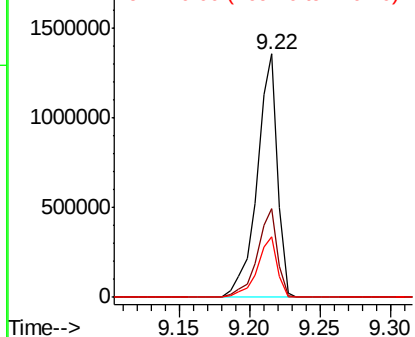


Abundance

Ion 172.00 (171.70 to 172.70): E

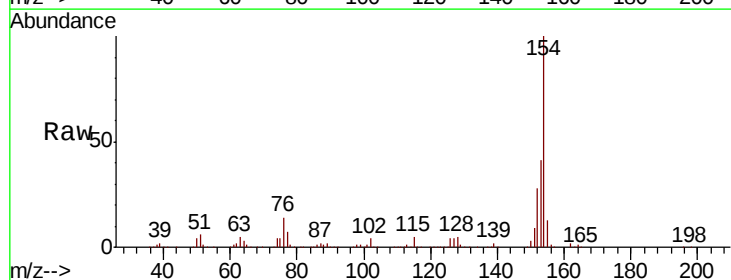
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.692 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	13.6	0.0	34.3

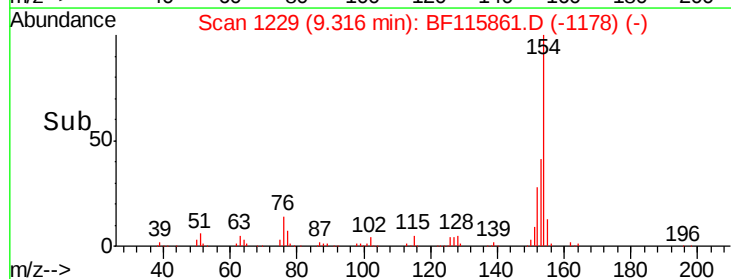
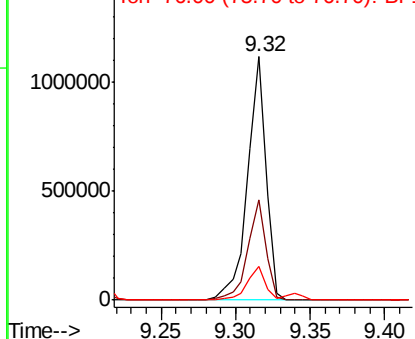


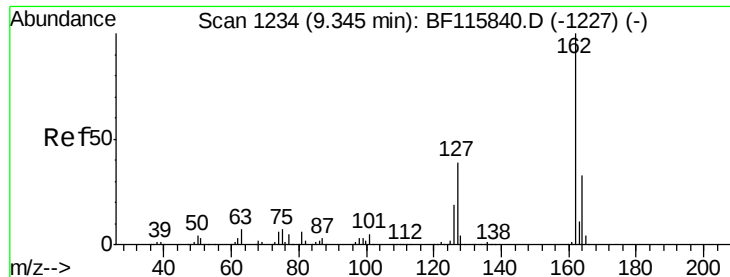
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





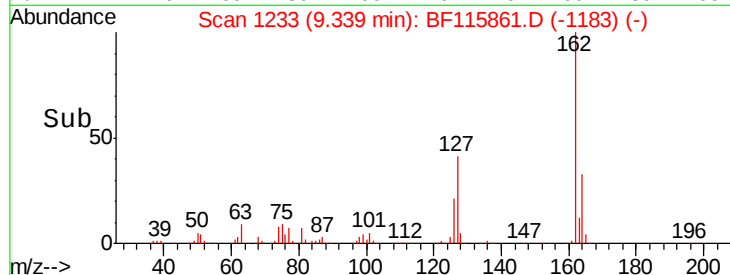
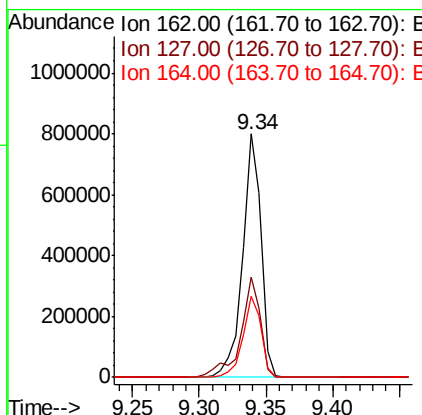
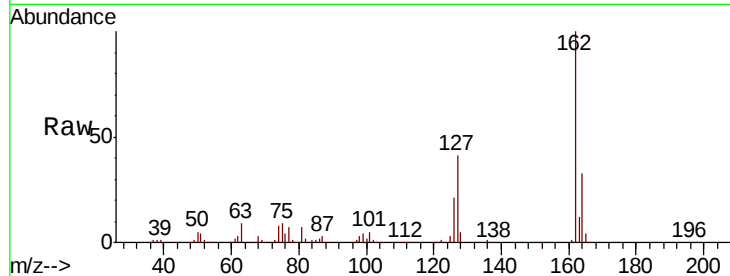
#47
 2-Chloronaphthalene
 Concen: 42.852 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.2	31.3	46.9
164	33.5	26.6	40.0

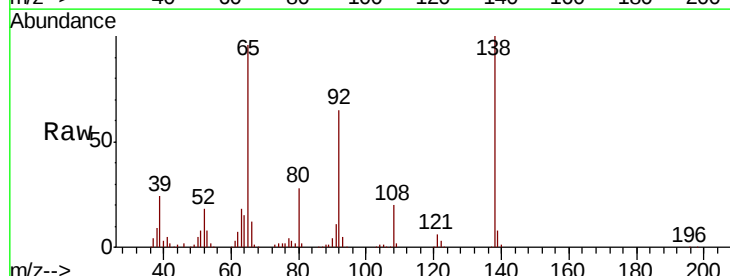
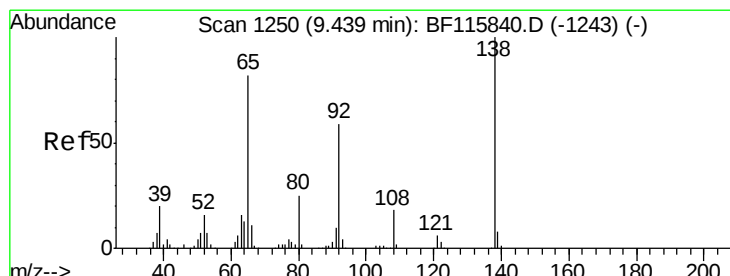
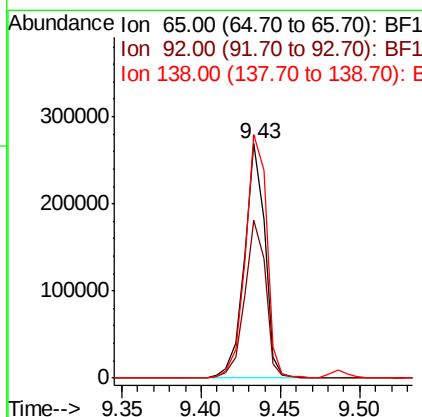
Manual Integrations
 APPROVED

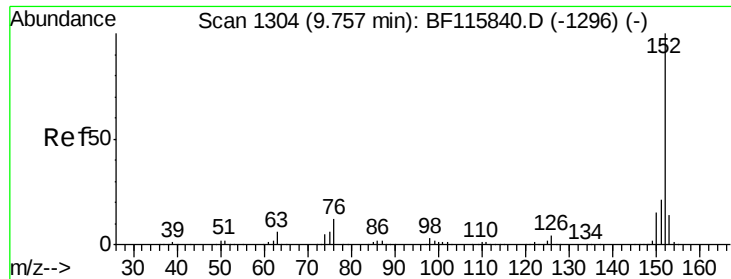
mohammad
 8/1/2019 5:06:23 PM



#48
 2-Nitroaniline
 Concen: 40.811 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.4	57.1	85.7
138	103.9	97.1	145.7





#49

Acenaphthylene

Concen: 45.339 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion:152 Resp: 1176308

Ion Ratio Lower Upper

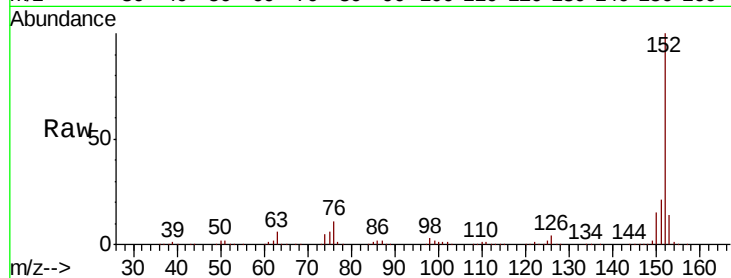
152 100

151 21.2 16.8 25.2

153 14.2 11.6 17.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

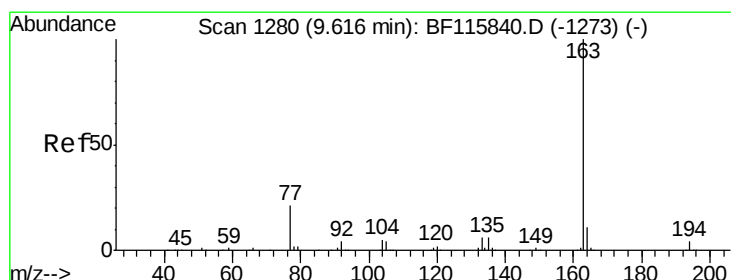
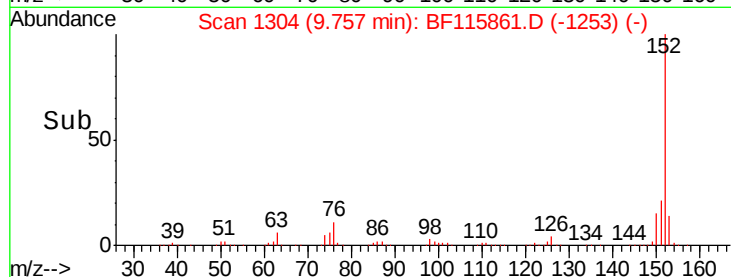
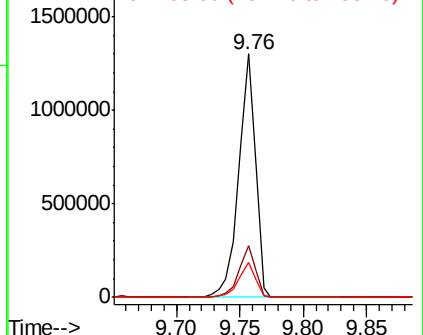


Abundance

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: 41.542 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

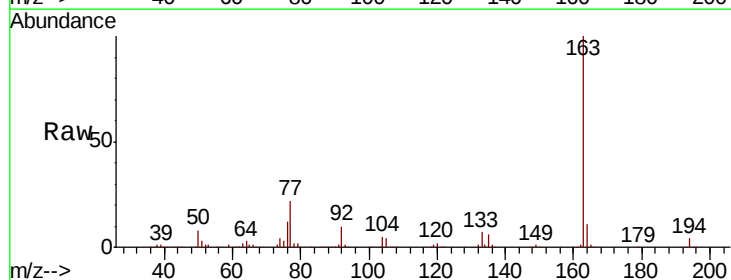
Tgt Ion:163 Resp: 856057

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.6 8.4 12.6

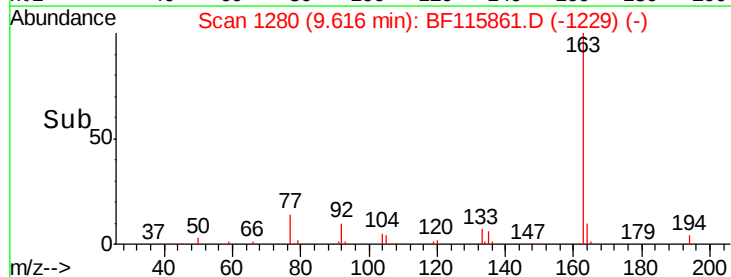
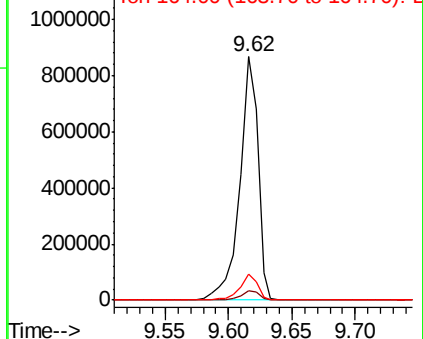


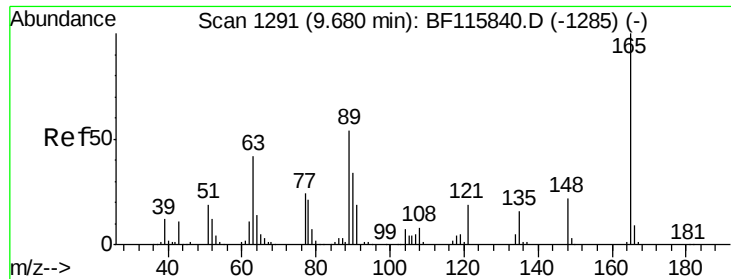
Abundance

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: 43.234 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

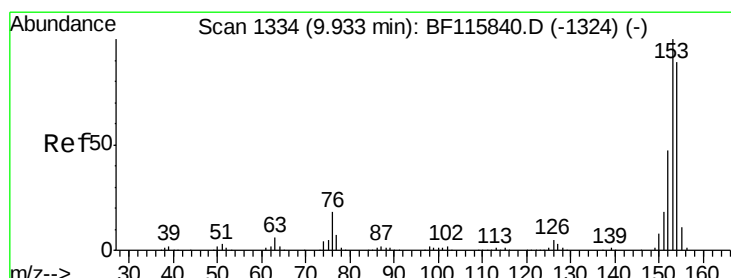
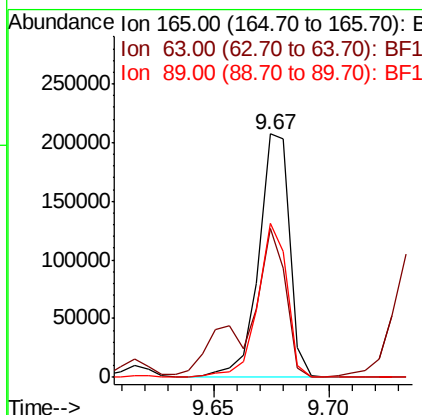
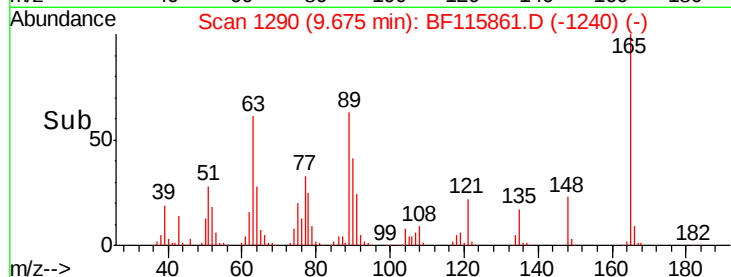
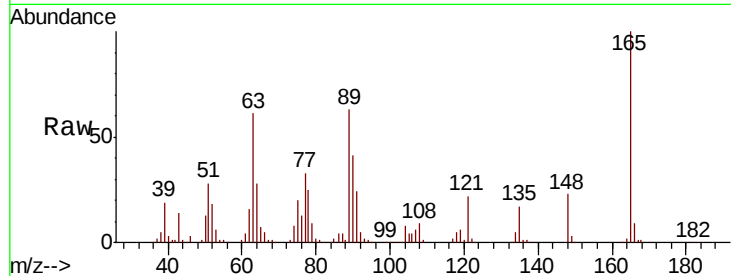
ClientSampleId :

PB121731BS

Tot Ion:	165	Resp:	193614
Ion Ratio	Lower	Upper	
165	100		
63	61.1	39.4	59.2#
89	63.1	43.0	64.6

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#52

Acenaphthene

Concen: 44.059 ng

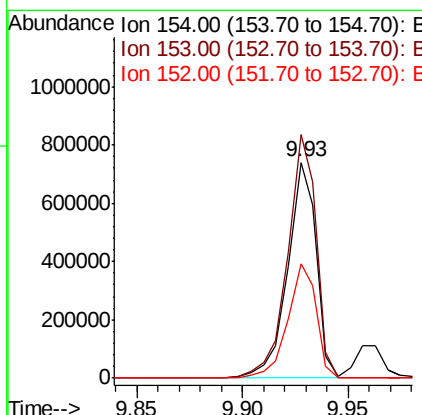
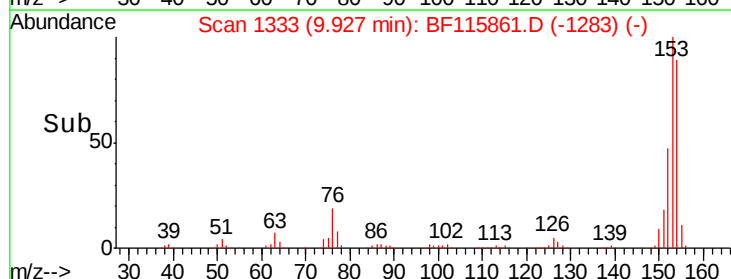
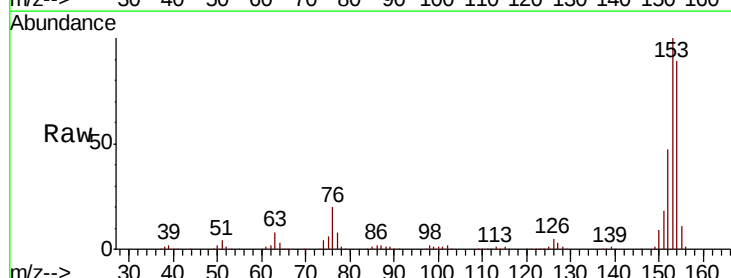
RT: 9.93 min Scan# 1333

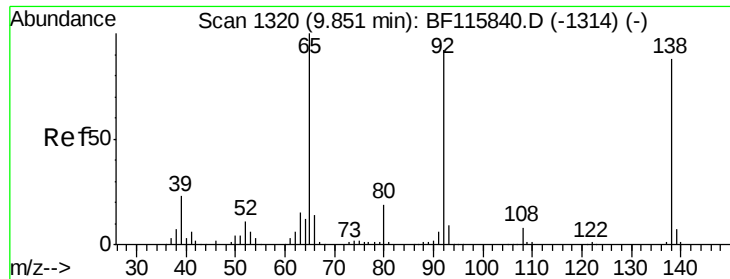
Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Tgt Ion:	154	Resp:	701279
Ion Ratio	Lower	Upper	
154	100		
153	112.9	90.1	135.1
152	52.8	42.6	63.8





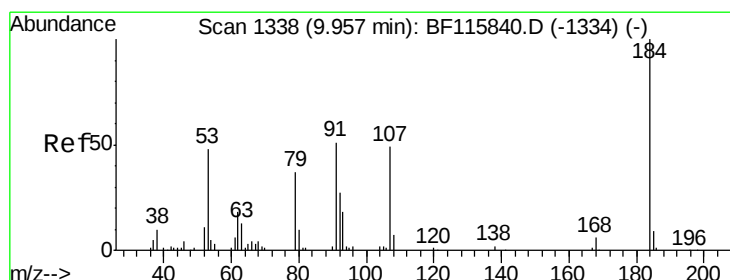
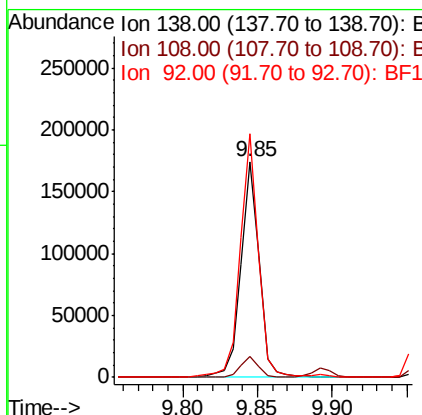
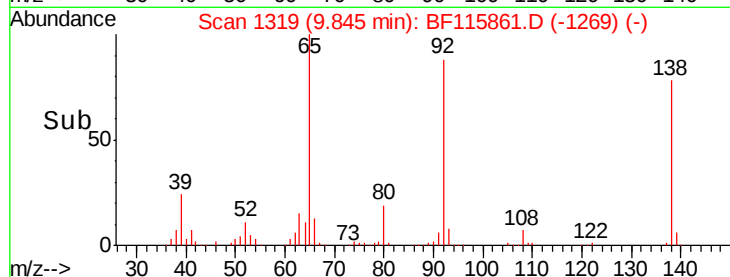
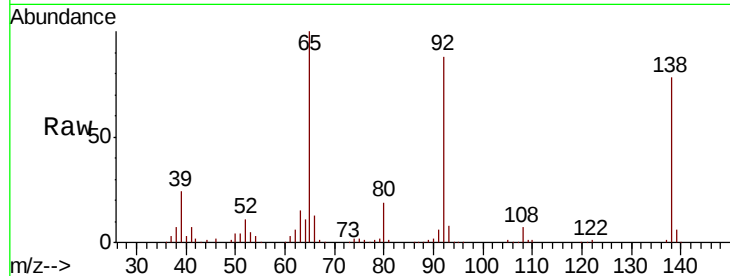
#53
3-Nitroaniline
Concen: 26.858 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleID :
PB121731BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.4	11.2
92	112.9	83.9	125.9

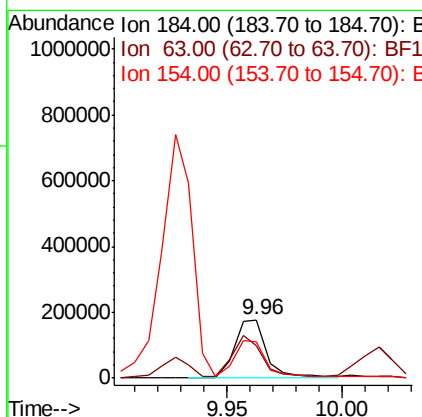
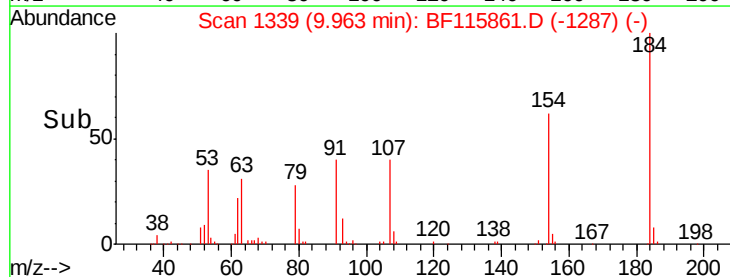
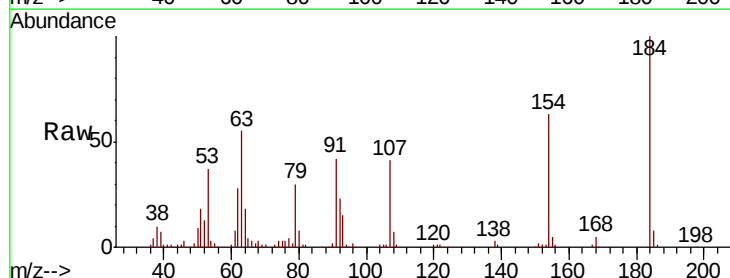
Manual Integrations
APPROVED

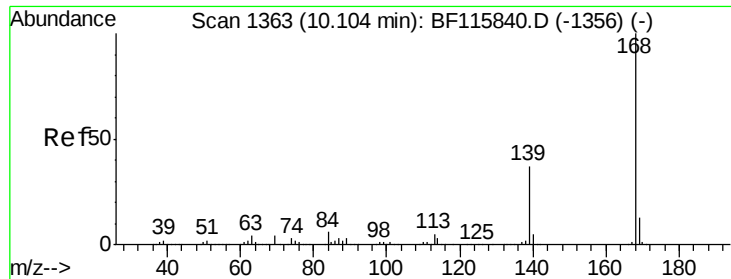
mohammad
8/1/2019 5:06:23 PM



#54
2,4-Dinitrophenol
Concen: 77.375 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.3	56.7	85.1#
154	62.6	51.9	77.9





#55

Dibenzofuran

Concen: 45.301 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion:168 Resp: 1048583

Ion Ratio Lower Upper

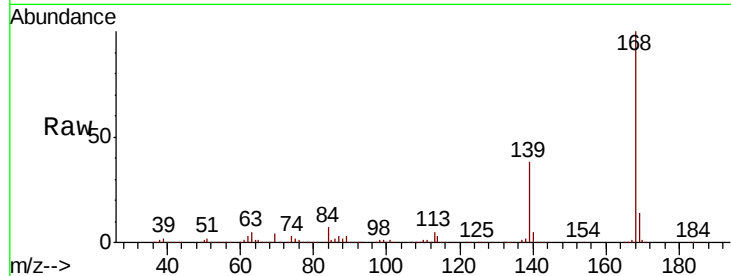
168 100

139 38.0 30.2 45.2

169 13.5 10.8 16.2

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

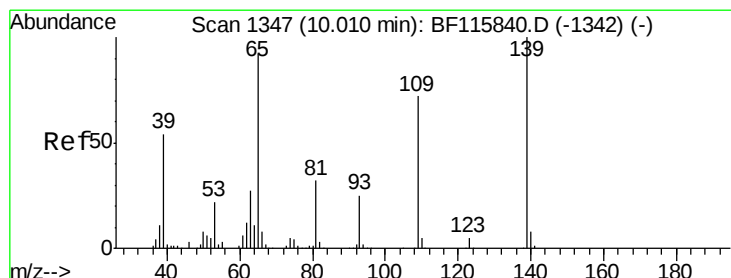
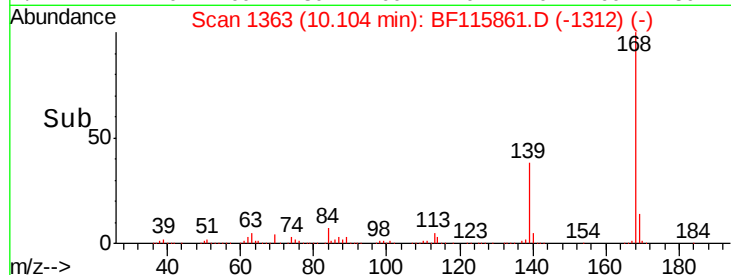
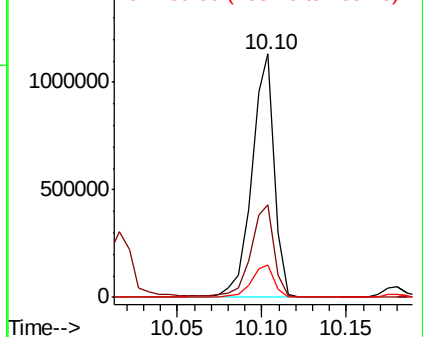


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 95.242 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

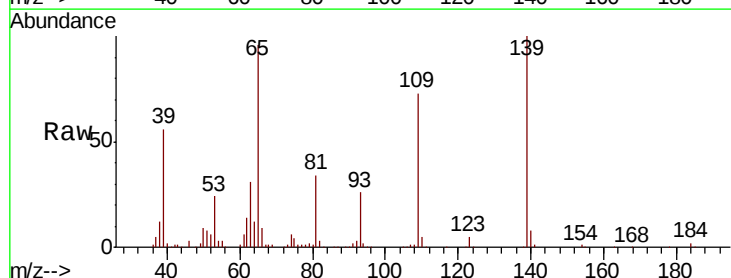
Tgt Ion:139 Resp: 337609

Ion Ratio Lower Upper

139 100

109 72.9 52.0 92.0

65 96.1 72.6 112.6

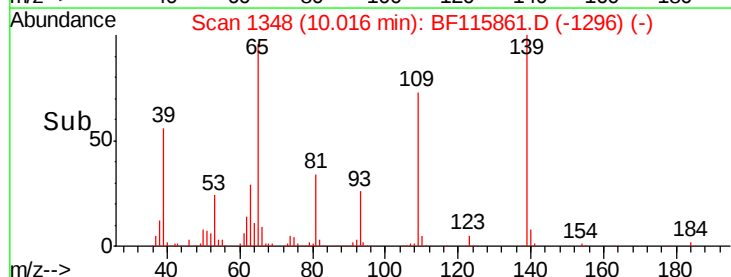
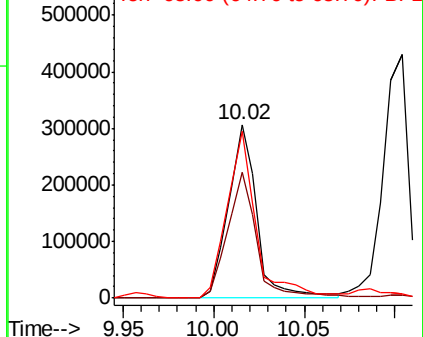


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





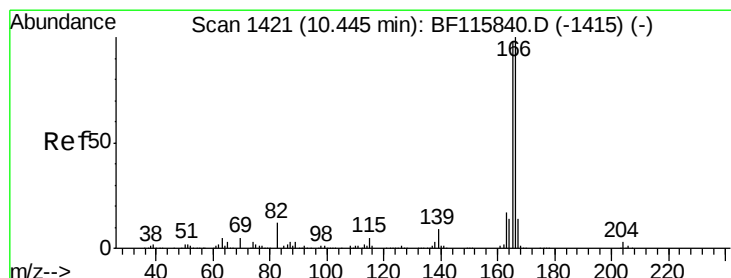
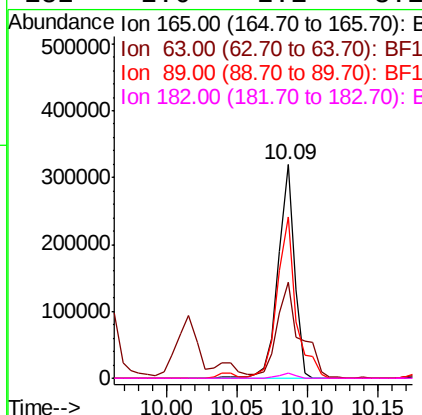
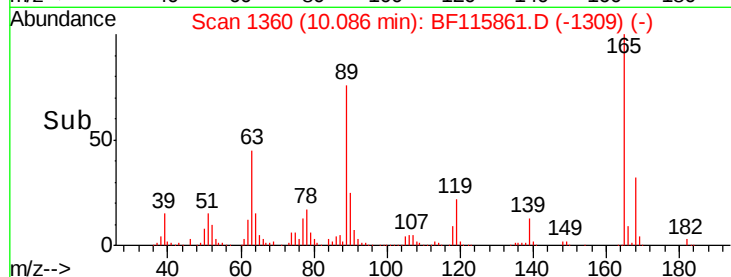
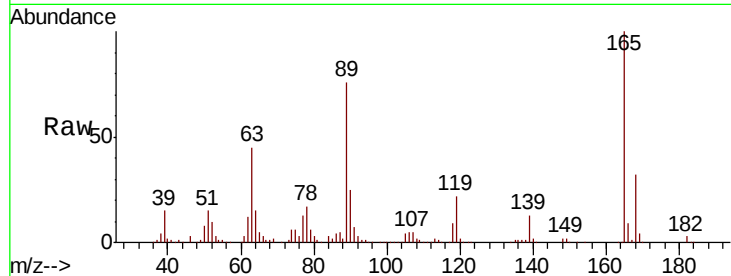
#57
2,4-Dinitrotoluene
Concen: 43.797 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	261141		
63	45.0	33.2	49.8	
89	75.7	57.3	85.9	
182	2.6	2.1	3.1	

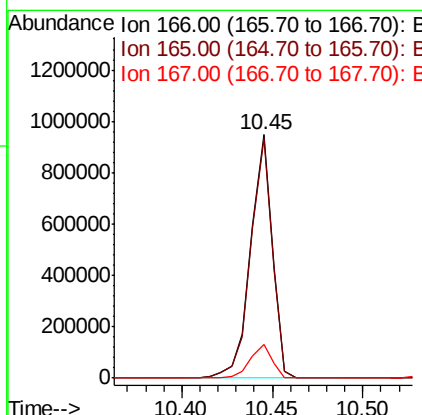
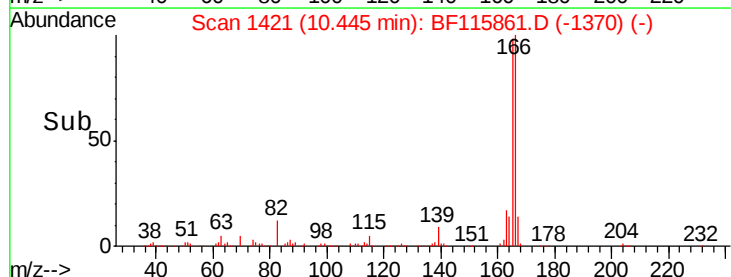
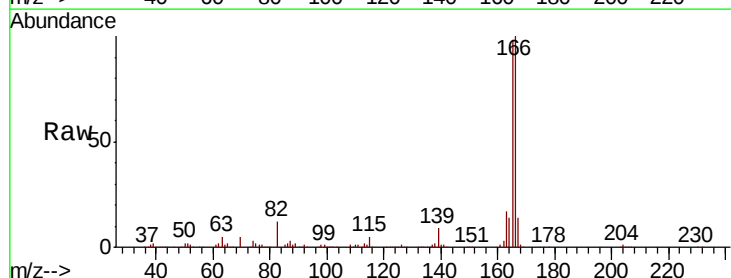
Manual Integrations
APPROVED

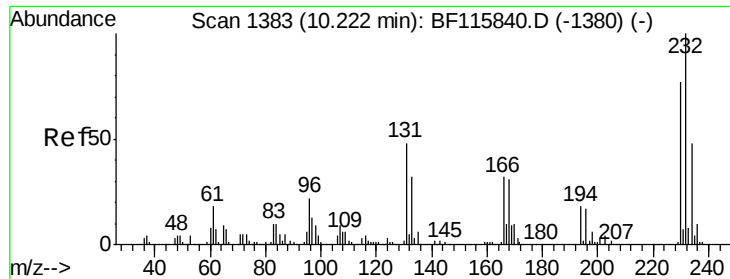
mohammad
8/1/2019 5:06:23 PM



#58
Fluorene
Concen: 44.514 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	792745		
165	98.4	78.6	118.0	
167	13.6	10.9	16.3	





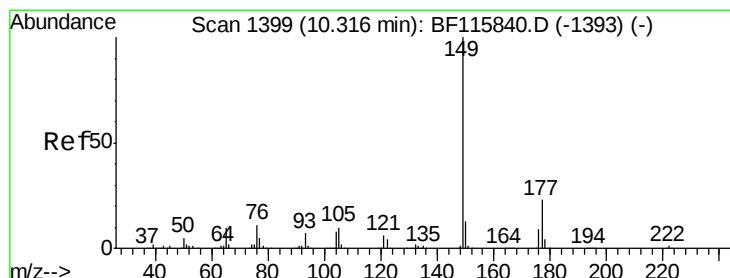
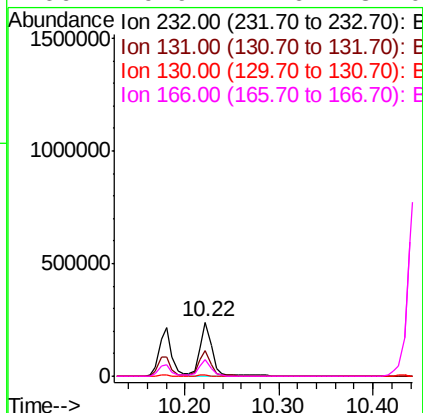
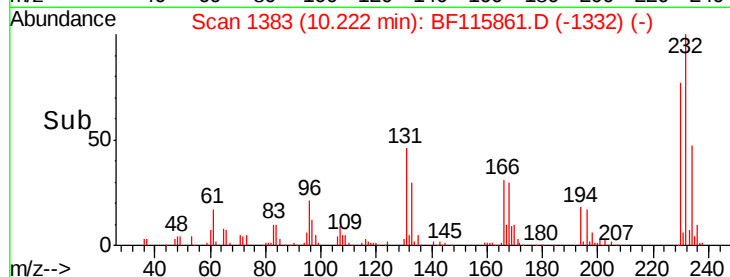
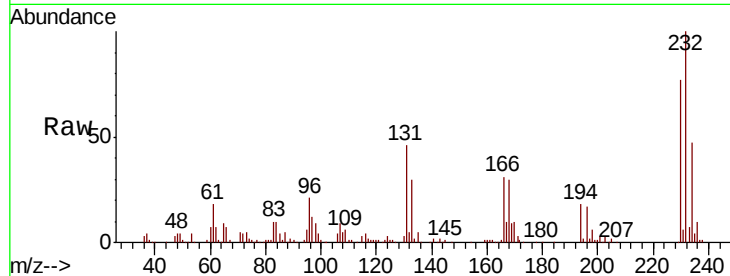
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.681 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Resp Lower	Upper
232	100		
131	46.3	37.6	56.4
130	2.6	1.8	2.8
166	29.9	24.6	37.0

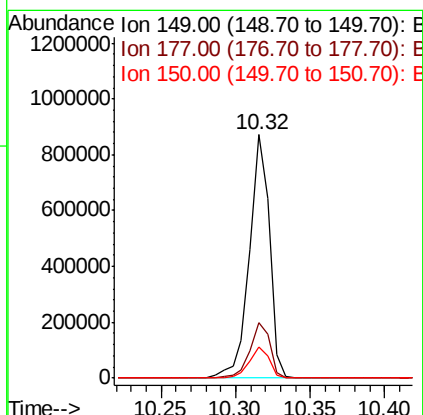
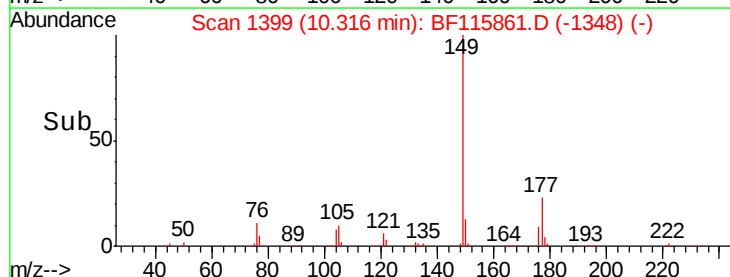
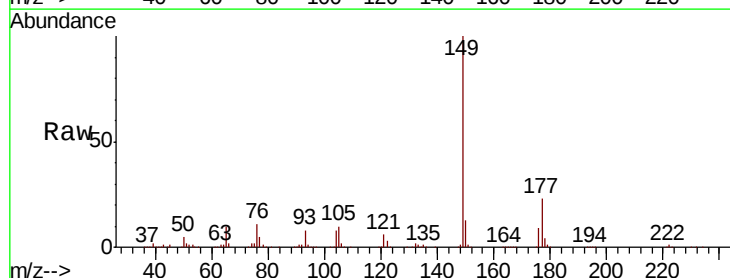
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#60
Diethylphthalate
Concen: 41.922 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
177	22.8	18.4	27.6
150	12.9	10.1	15.1





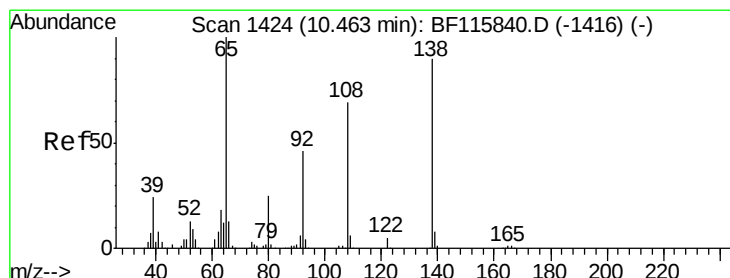
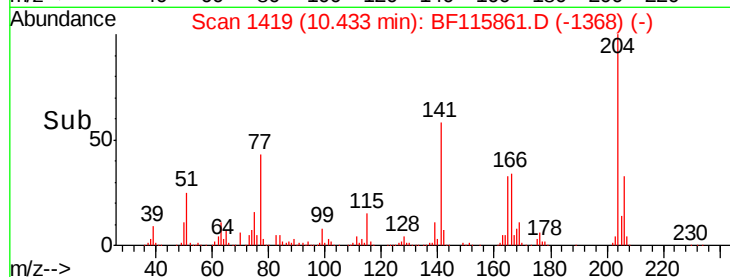
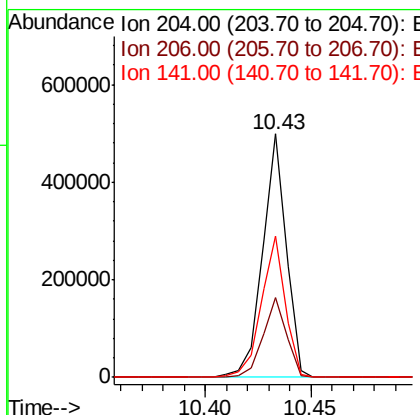
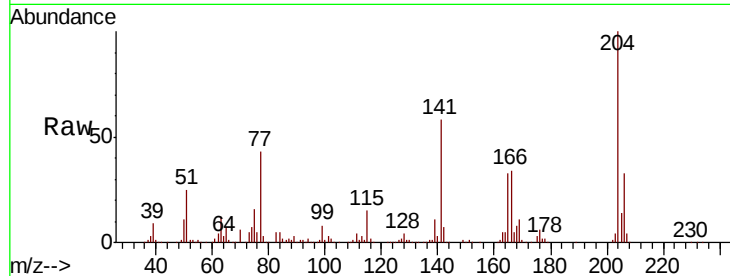
#61
4-Chlorophenyl-phenylether
Concen: 43.219 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	57.8	47.0	70.4

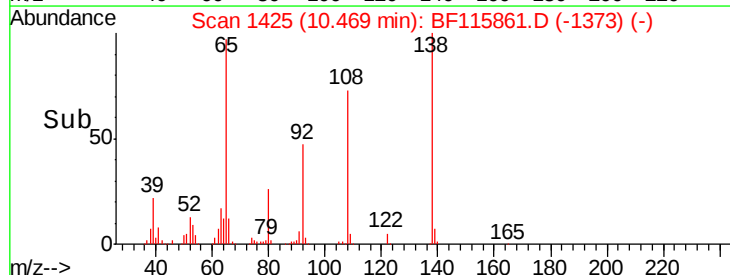
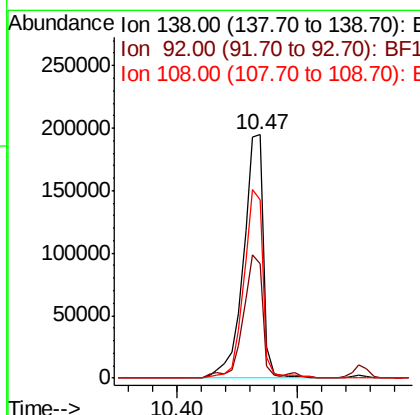
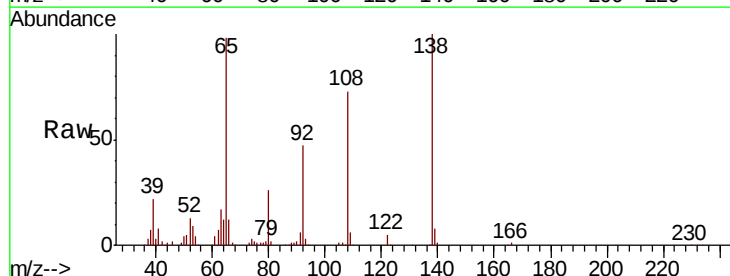
Manual Integrations
APPROVED

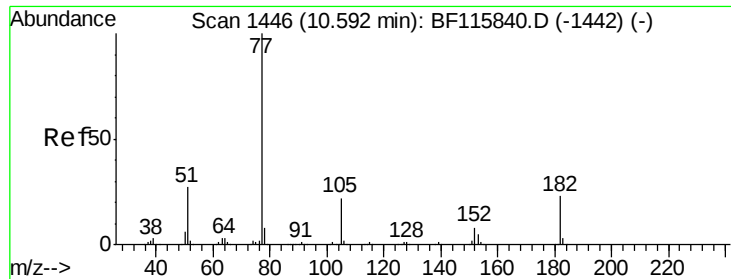
mohammad
8/1/2019 5:06:23 PM



#62
4-Nitroaniline
Concen: 39.343 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.9	31.0	71.0
108	73.3	56.7	96.7





#63

Azobenzene

Concen: 43.921 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion: 77 Resp: 869148

Ion Ratio Lower Upper

77 100

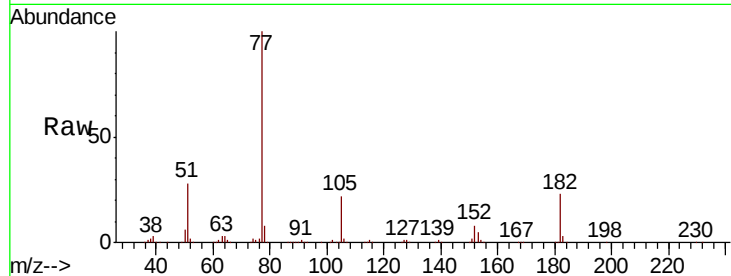
182 23.0 2.6 42.6

105 21.7 1.6 41.6

51 27.5 7.4 47.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

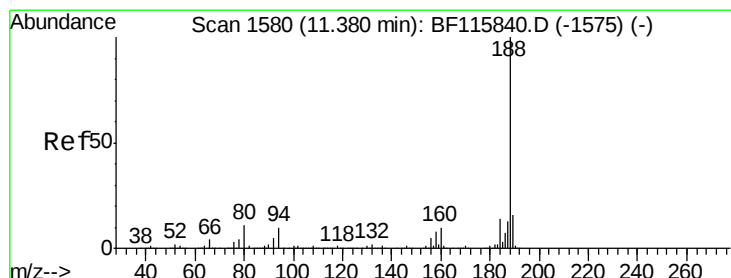
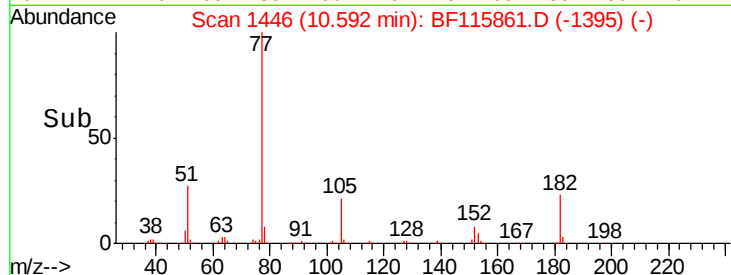
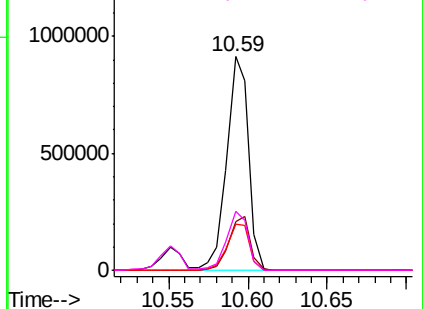


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

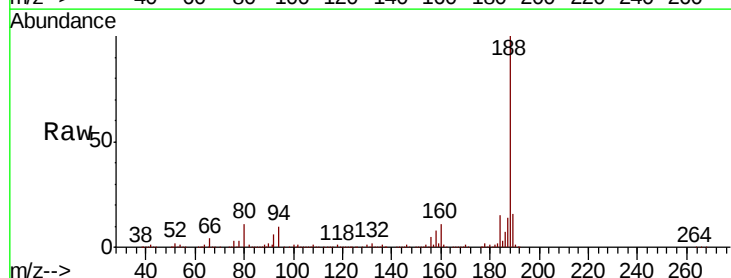
Tgt Ion: 188 Resp: 522072

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

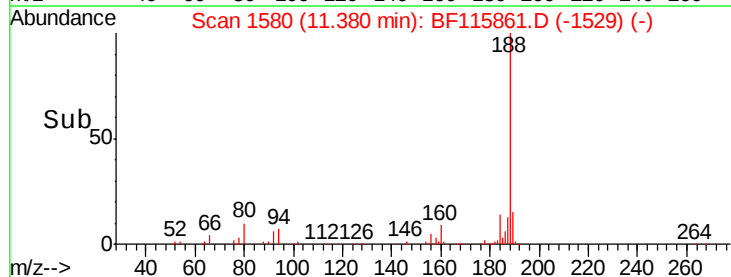
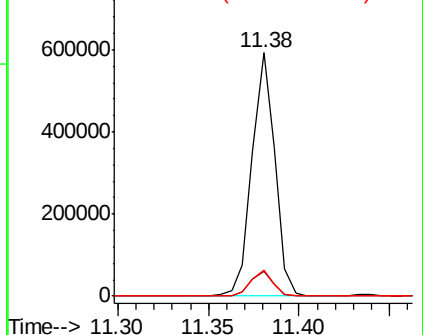
80 10.9 8.6 12.8

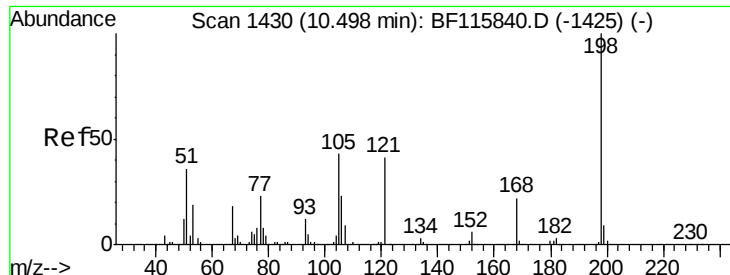


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 45.949 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion:198 Resp: 127124

Ion Ratio Lower Upper

198 100

51 42.8 21.1 61.1

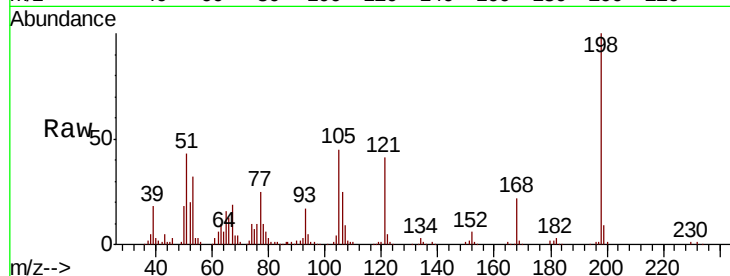
105 45.5 24.5 64.5

Manual Integrations

APPROVED

mohammad

8/1/2019 5:06:23 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

300000

200000

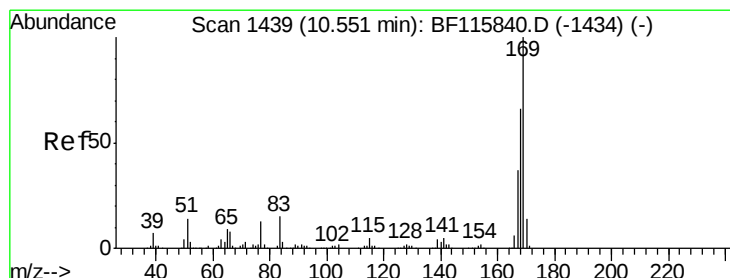
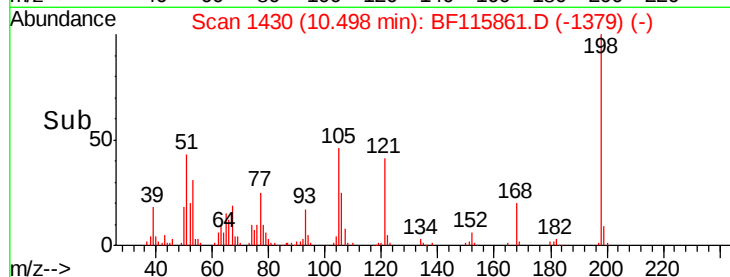
100000

0

10.50

10.60

Time-->



#66

n-Nitrosodiphenylamine

Concen: 44.566 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

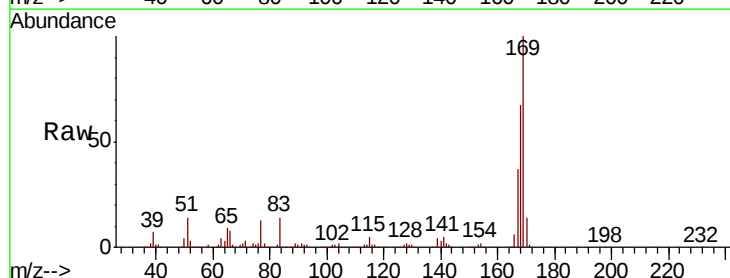
Tgt Ion:169 Resp: 700310

Ion Ratio Lower Upper

169 100

168 67.2 53.0 79.6

167 36.8 29.9 44.9



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

1000000

800000

600000

400000

200000

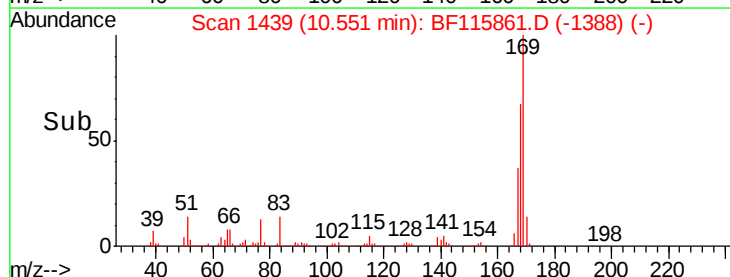
0

10.50

10.55

10.60

Time-->





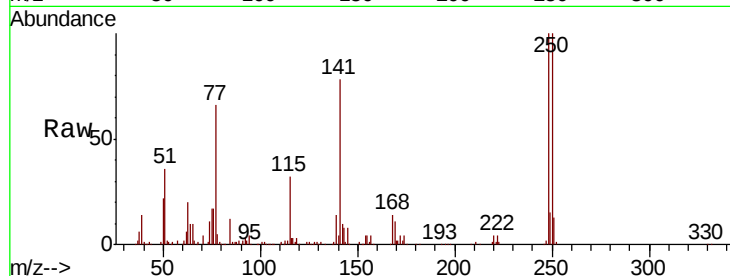
#67
4-Bromophenyl-phenylether
Concen: 42.656 ng
RT: 10.92 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.5	77.8	116.6
141	78.3	64.3	96.5

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM

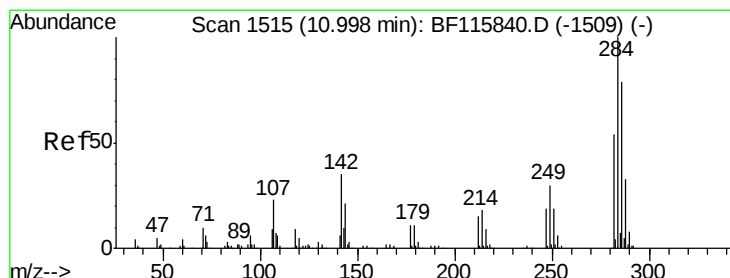
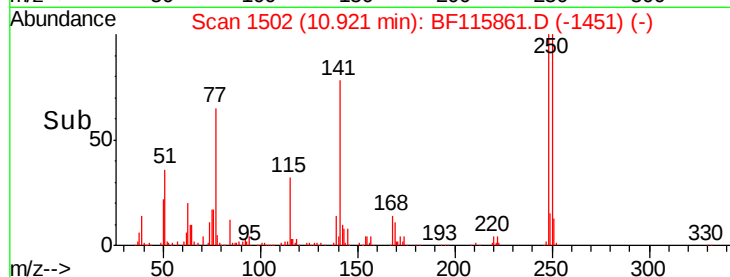
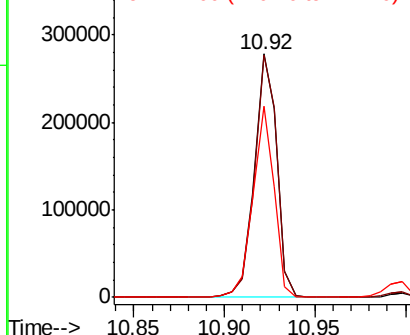


Abundance

Ion 248.00 (247.70 to 248.70): E

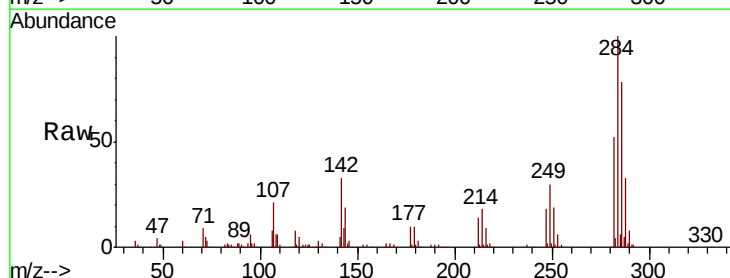
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.081 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.5	28.2	42.2
249	29.8	24.0	36.0

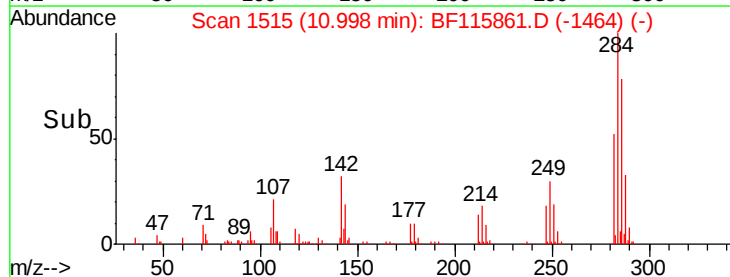
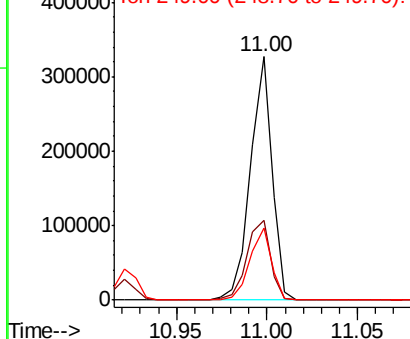


Abundance

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





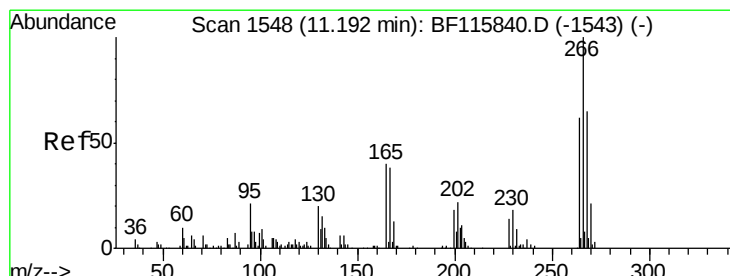
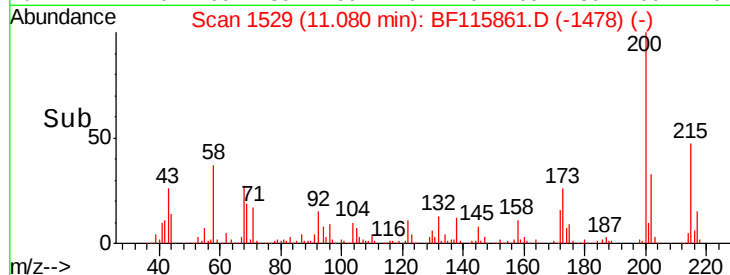
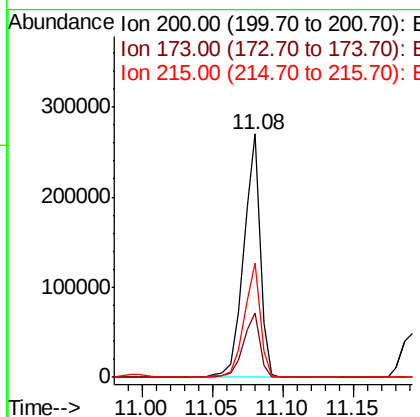
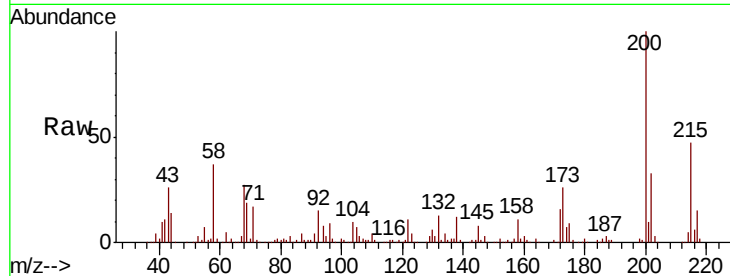
#69
 Atrazine
 Concen: 42.269 ng
 RT: 11.08 min Scan# 1529
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.4	7.3	47.3
215	47.2	26.9	66.9

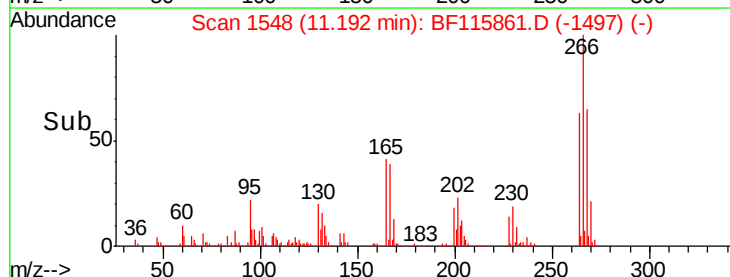
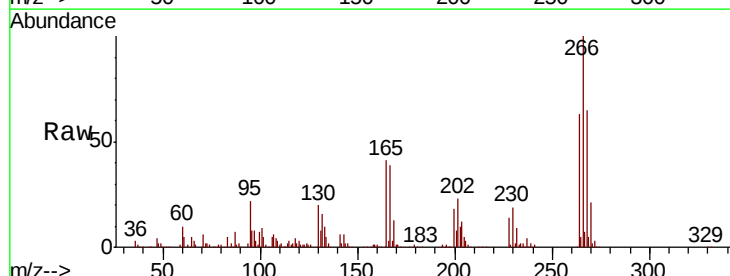
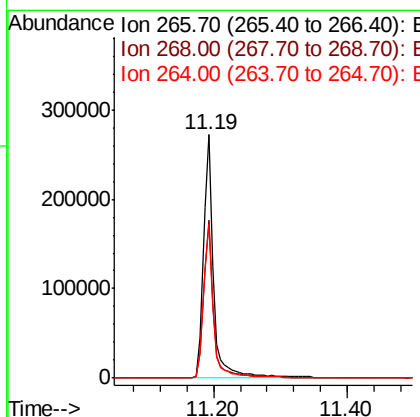
Manual Integrations
 APPROVED

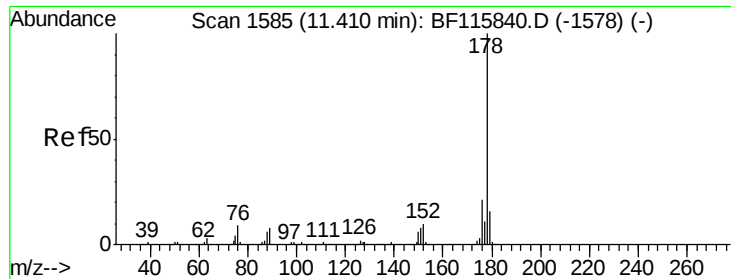
mohammad
 8/1/2019 5:06:23 PM



#70
 Pentachlorophenol
 Concen: 89.416 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.9	51.6	77.4
264	63.2	49.4	74.0





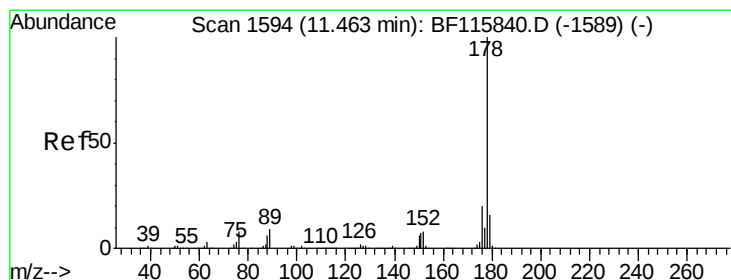
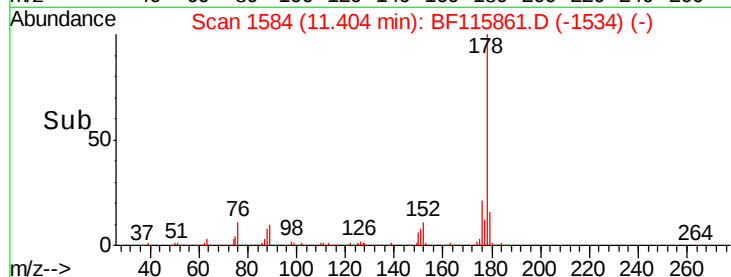
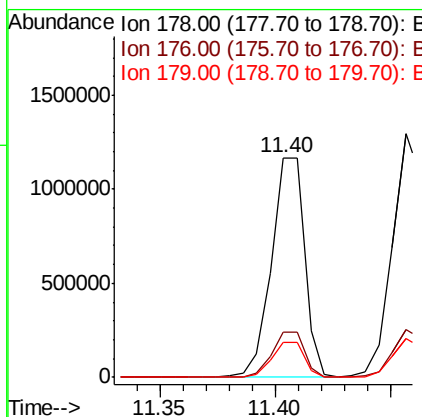
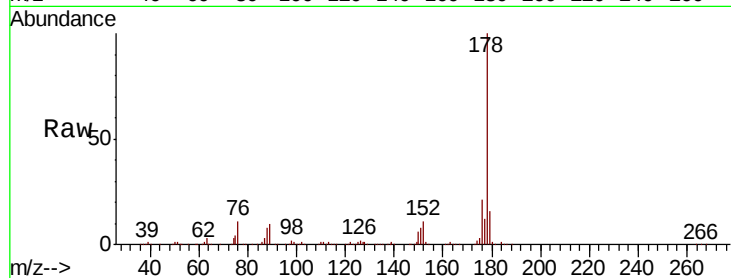
#71
Phenanthrene
Concen: 43.763 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion:178 Resp: 1168023
Ion Ratio Lower Upper
178 100
176 20.8 16.5 24.7
179 15.9 12.6 18.8

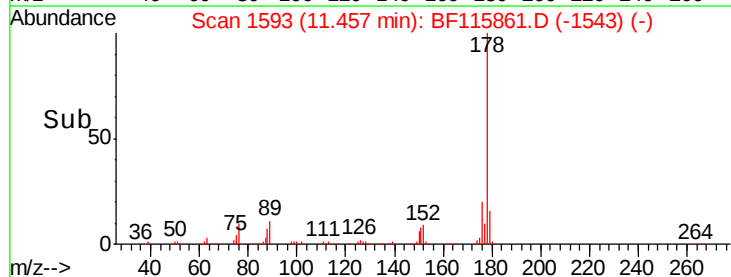
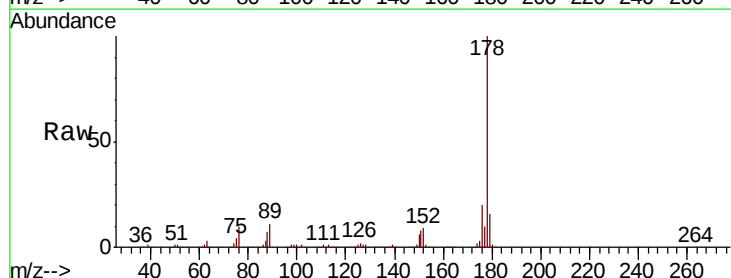
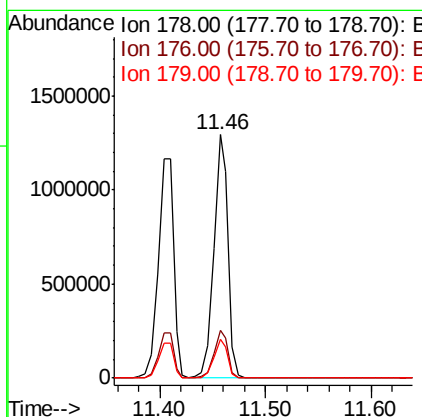
Manual Integrations
APPROVED

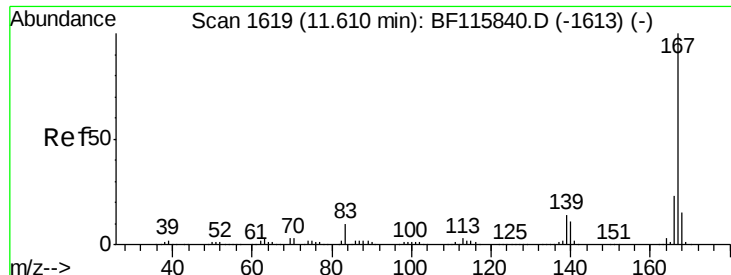
mohammad
8/1/2019 5:06:23 PM



#72
Anthracene
Concen: 45.653 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion:178 Resp: 1233132
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.9 12.4 18.6





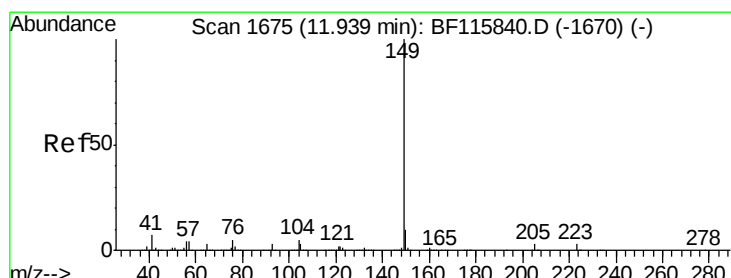
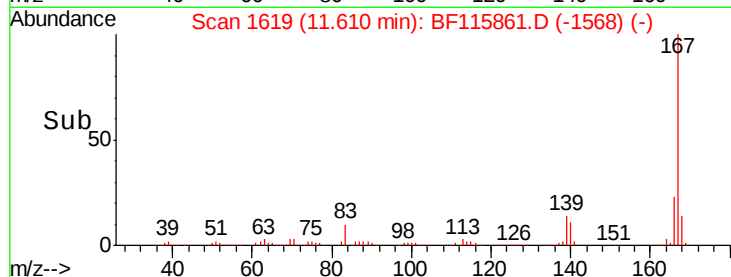
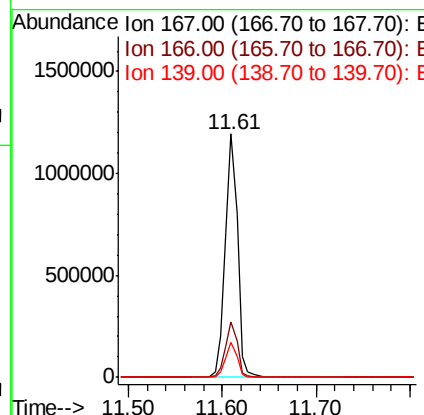
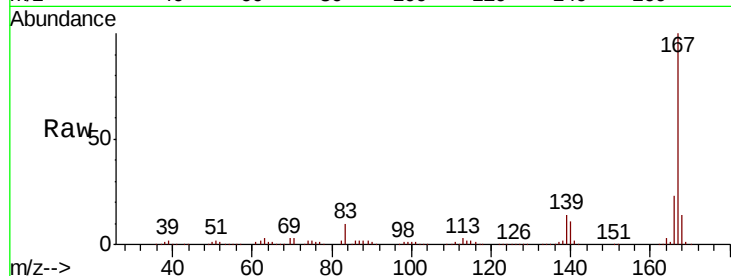
#73
 Carbazole
 Concen: 44.683 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	14.3	11.4	17.2

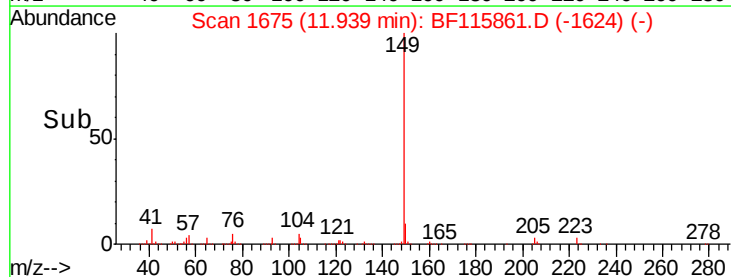
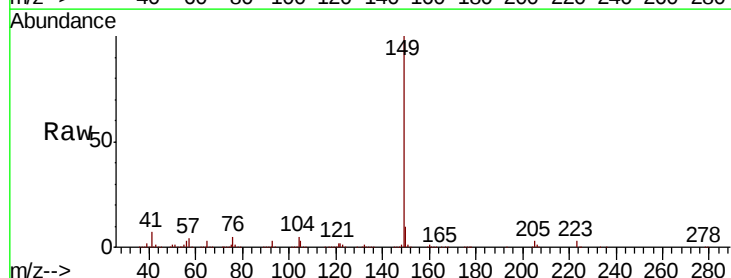
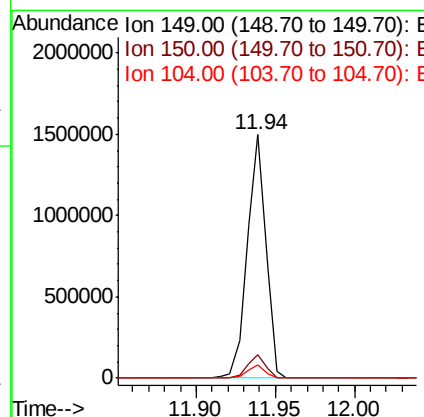
Manual Integrations
 APPROVED

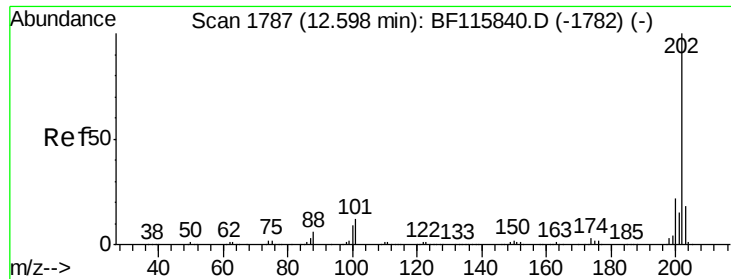
mohammad
 8/1/2019 5:06:23 PM



#74
 Di-n-butylphthalate
 Concen: 42.390 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	5.3	4.3	6.5





#75

Fluoranthene

Concen: 44.652 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

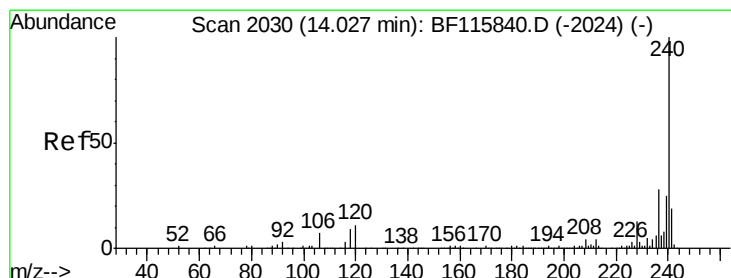
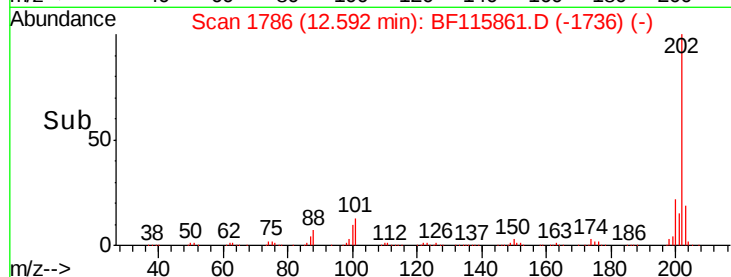
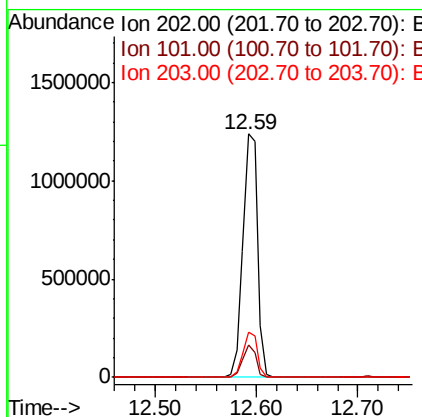
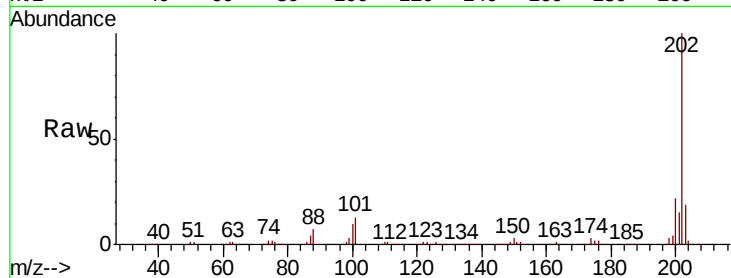
ClientSampleId :

PB121731BS

Tot Ion:	202	Resp:	1247621
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	31.5
203	18.8	0.0	37.9

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#76

Chrysene-d12

Concen: 20.000 ng

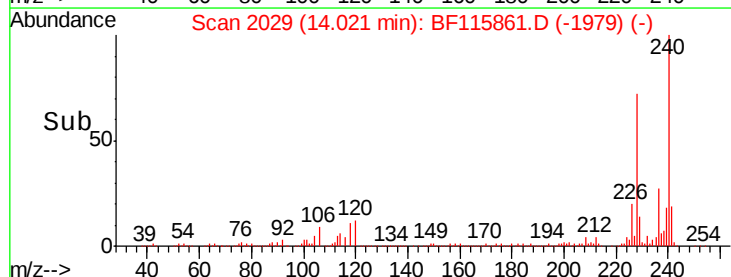
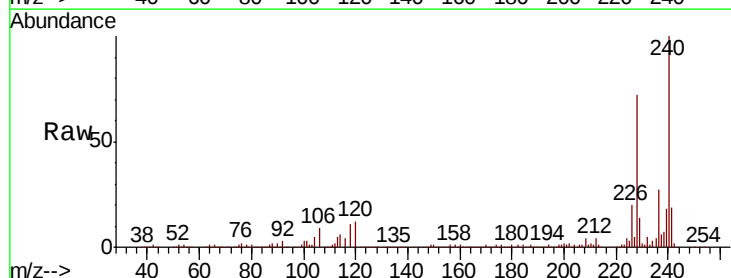
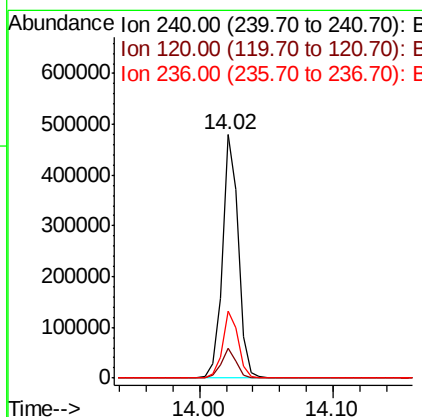
RT: 14.02 min Scan# 2029

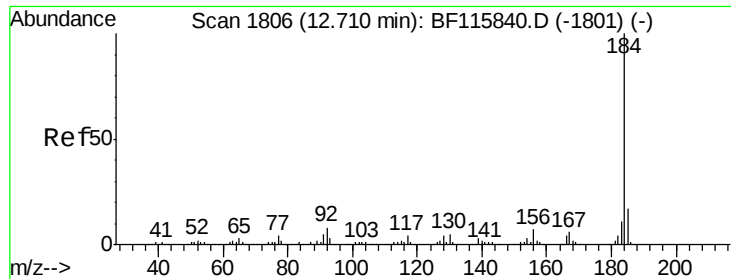
Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Tgt Ion:	240	Resp:	402767
Ion Ratio	Lower	Upper	
240	100		
120	12.3	8.5	12.7
236	27.3	22.2	33.2





#77

Benzidine

Concen: 50.002 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

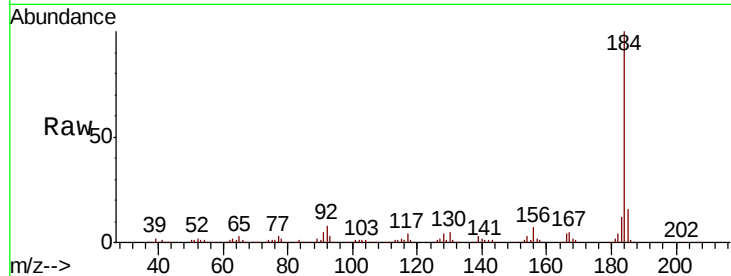
ClientSampleId :

PB121731BS

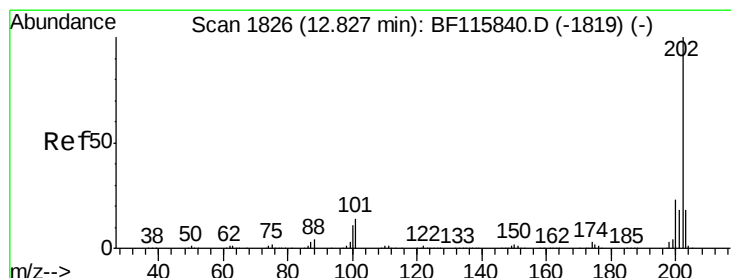
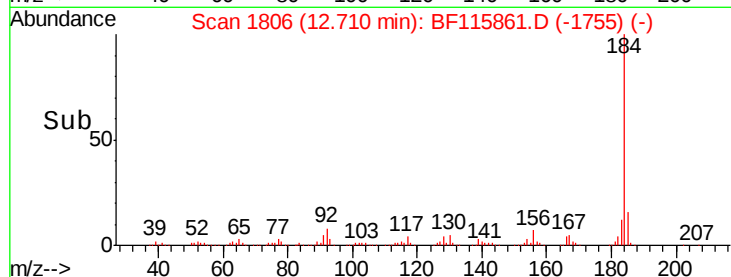
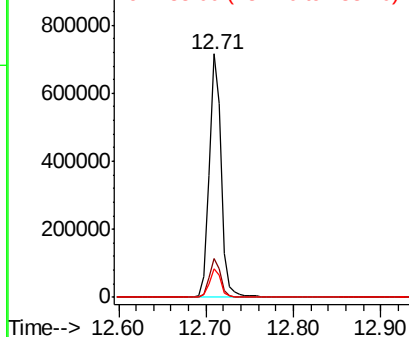
Tot Ion:	184	Resp:	680388
Ion Ratio	Lower	Upper	
184	100		
185	15.9	13.4	20.2
183	11.7	9.1	13.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



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



#78

Pyrene

Concen: 42.646 ng

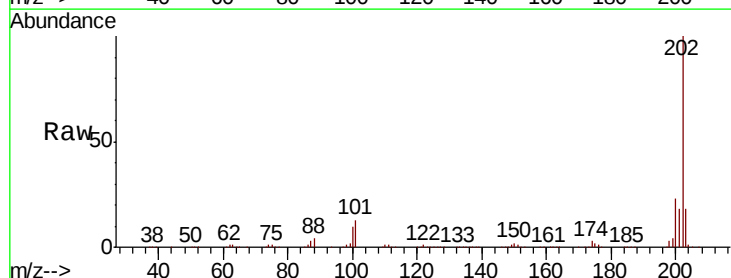
RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

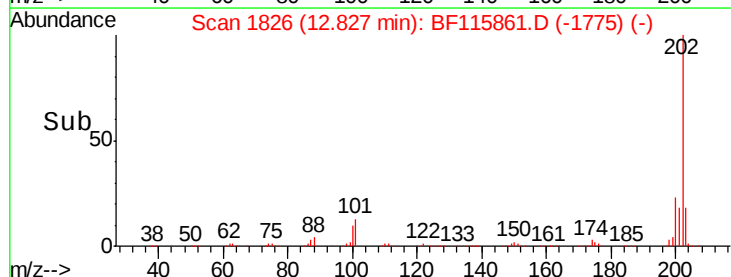
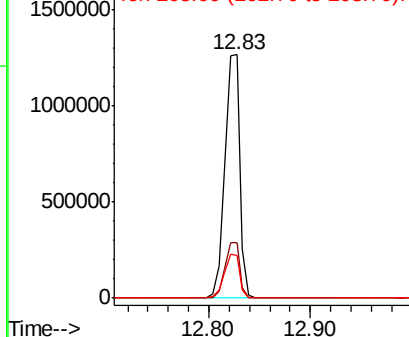
Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Tgt Ion:	202	Resp:	1294771
Ion Ratio	Lower	Upper	
202	100		
200	22.5	18.2	27.2
203	17.5	14.3	21.5



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





#79

Terphenyl-d14

Concen: 79.587 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion:244 Resp: 1521241

Ion Ratio Lower Upper

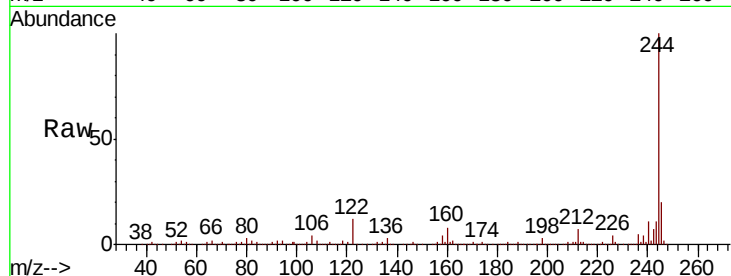
244 100

212 7.2 5.6 8.4

122 12.0 8.6 13.0

Manual Integrations
APPROVED

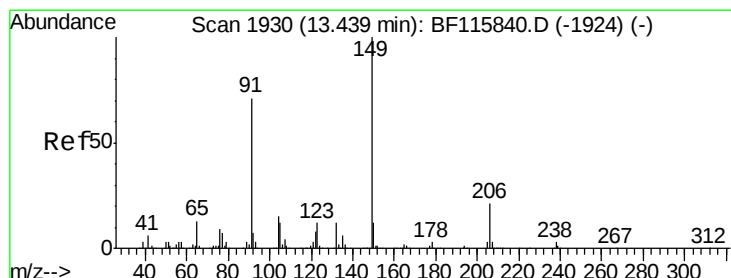
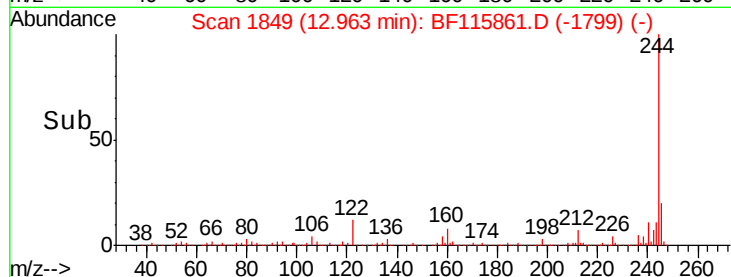
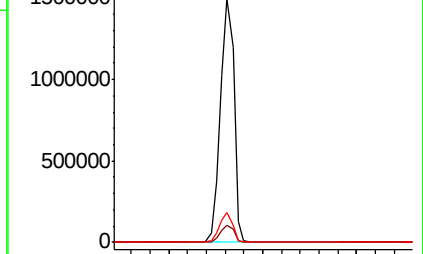
mohammad
8/1/2019 5:06:23 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 41.381 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

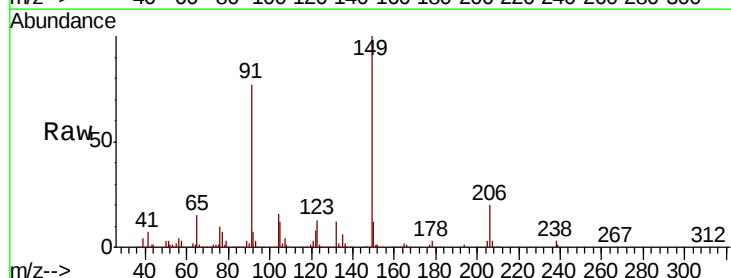
Tgt Ion:149 Resp: 531455

Ion Ratio Lower Upper

149 100

91 76.6 57.0 85.6

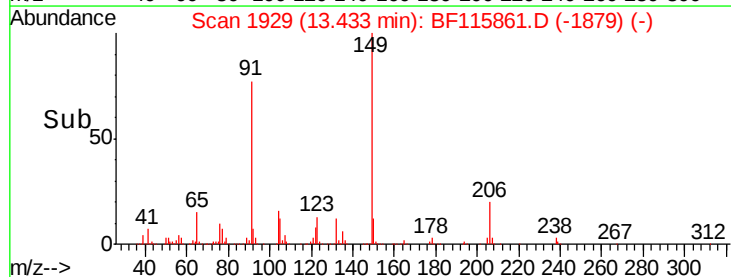
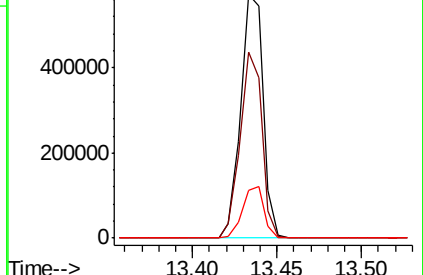
206 19.6 16.9 25.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.923 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

ClientSampleId :

PB121731BS

Tot Ion:228 Resp: 1104977

Ion Ratio Lower Upper

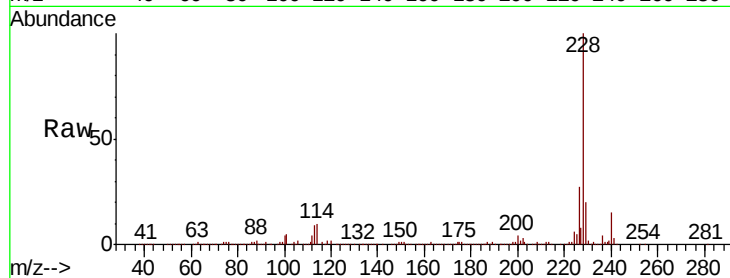
228 100

226 27.4 22.5 33.7

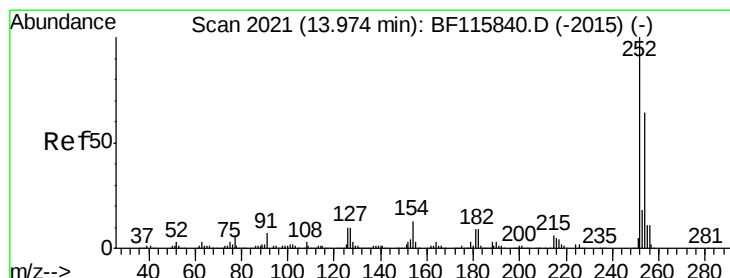
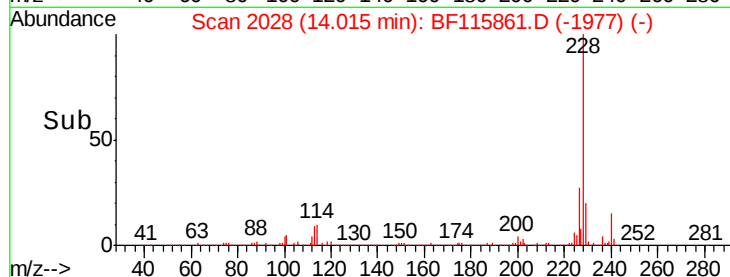
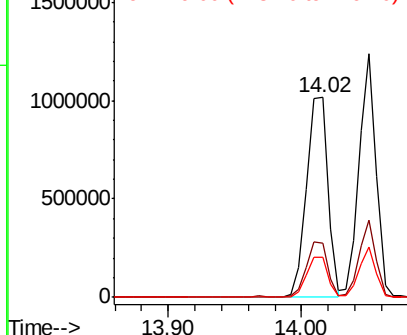
229 19.9 16.1 24.1

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.047 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

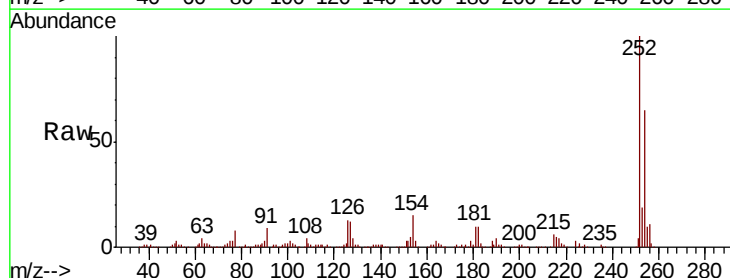
Tgt Ion:252 Resp: 259787

Ion Ratio Lower Upper

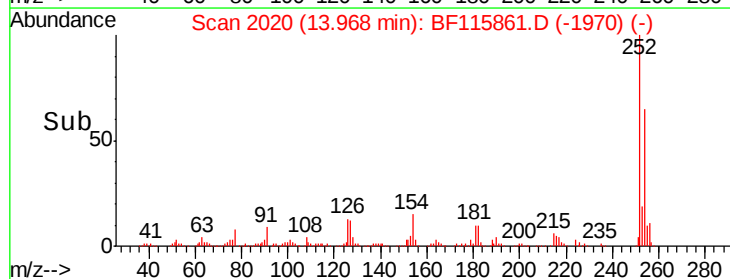
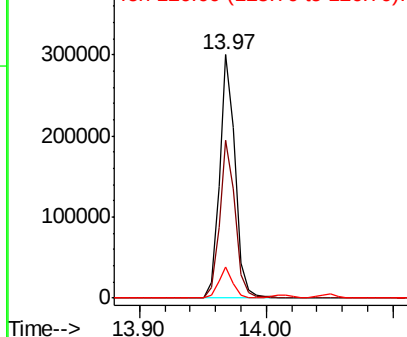
252 100

254 64.9 51.2 76.8

126 12.7 8.1 12.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





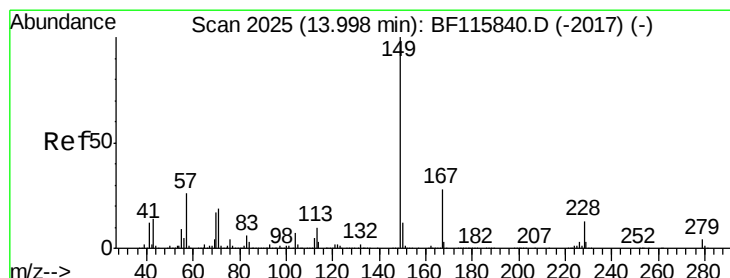
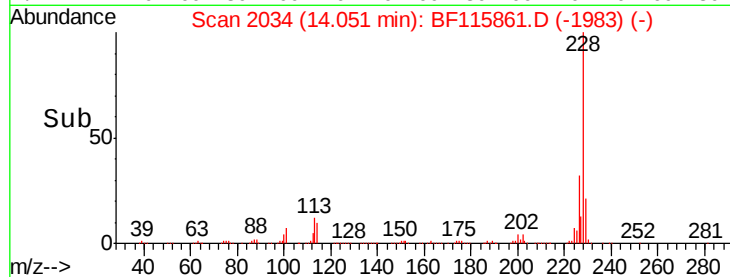
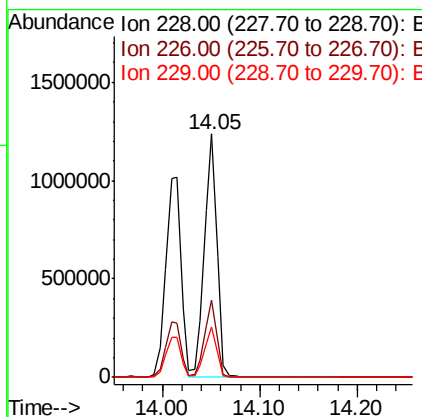
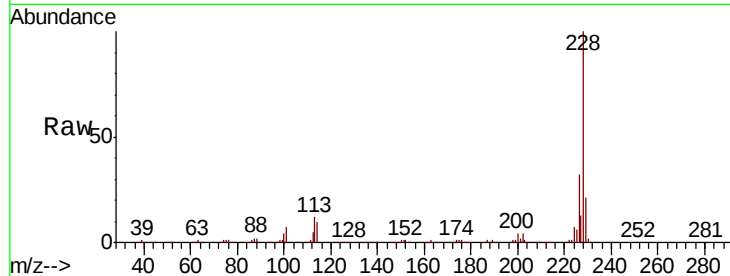
#83
 Chrvsene
 Concen: 44.136 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Instrument :
 BNA_F
 ClientSampleId :
 PB121731BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.8	37.2
229	20.6	16.4	24.6

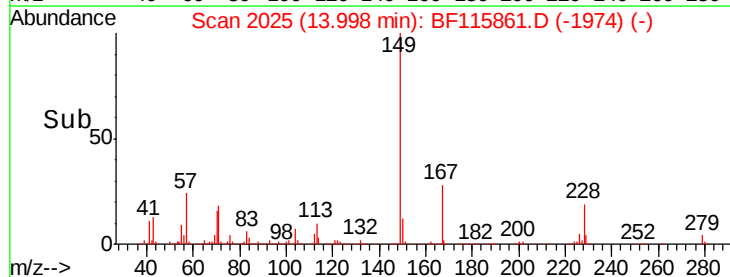
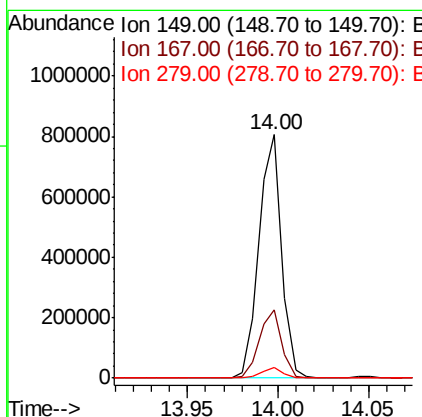
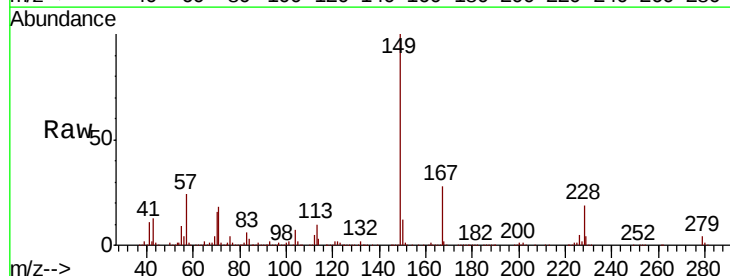
Manual Integrations
 APPROVED

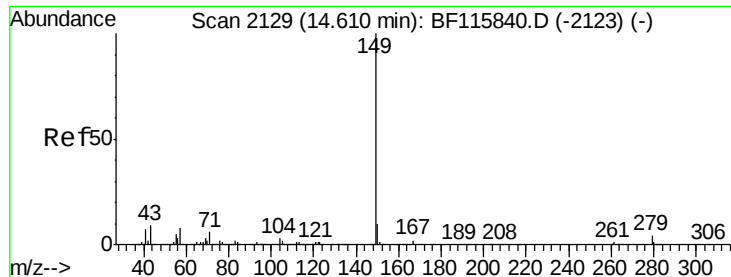
mohammad
 8/1/2019 5:06:23 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.085 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BF115861.D
 Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.4	33.6
279	4.2	3.3	4.9





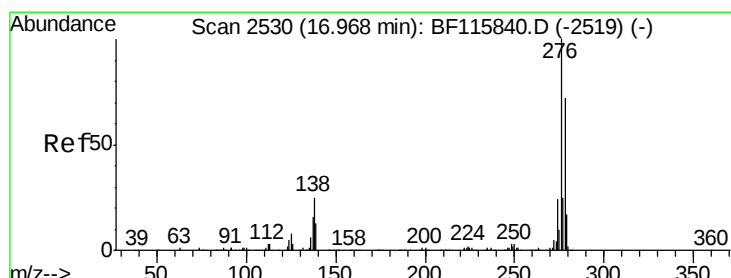
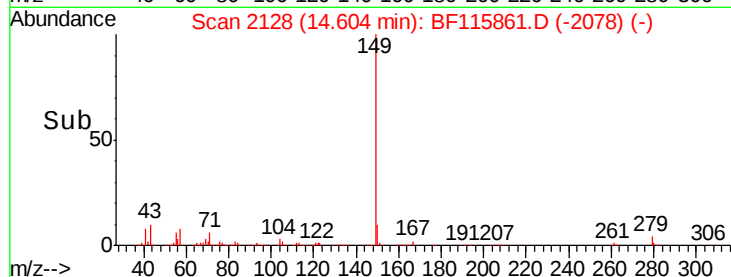
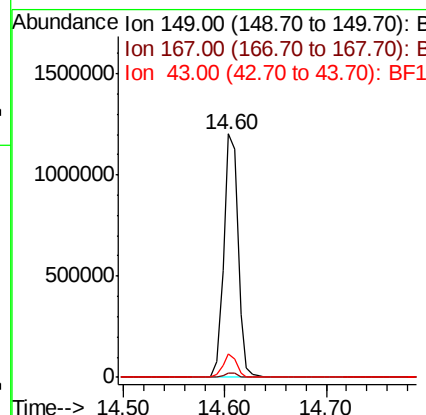
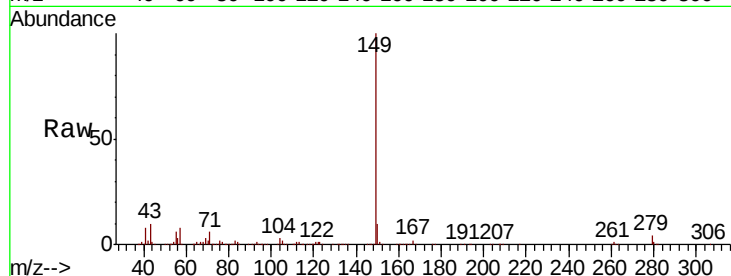
#85
Di-n-octyl phthalate
Concen: 44.449 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.3	7.4	11.0

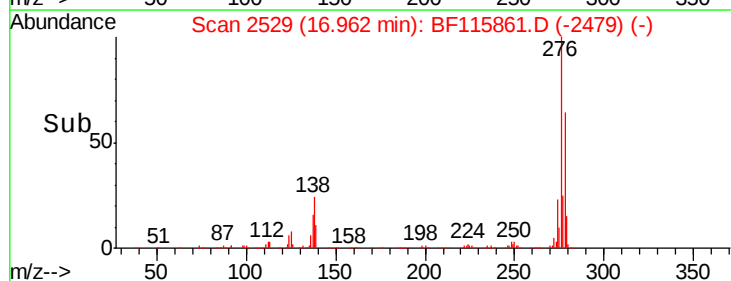
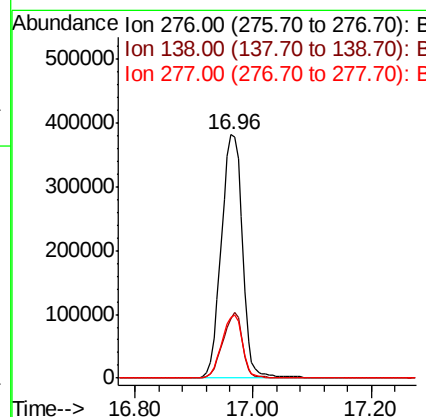
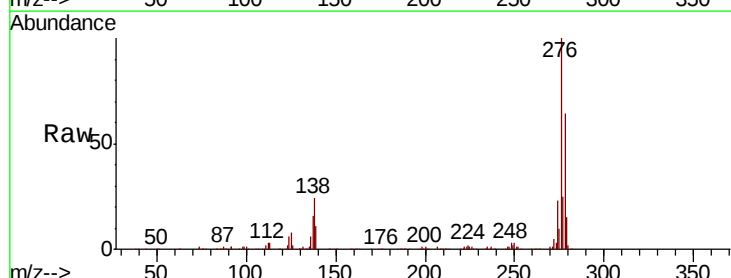
Manual Integrations
APPROVED

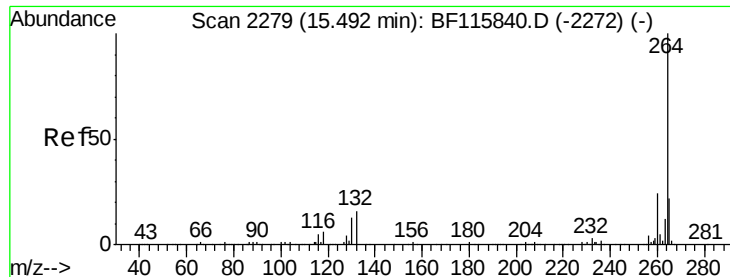
mohammad
8/1/2019 5:06:23 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 45.406 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.6	29.4
277	25.2	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF115861.D

Acq: 31 Jul 2019 13:05

Instrument :

BNA_F

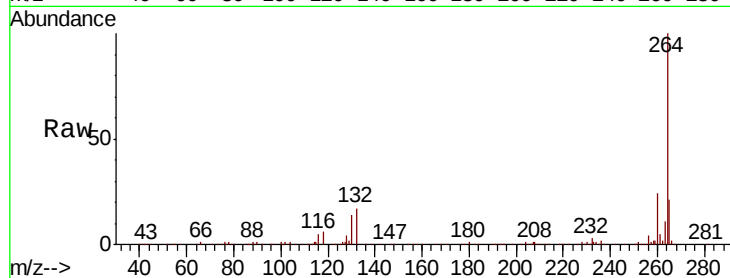
ClientSampleId :

PB121731BS

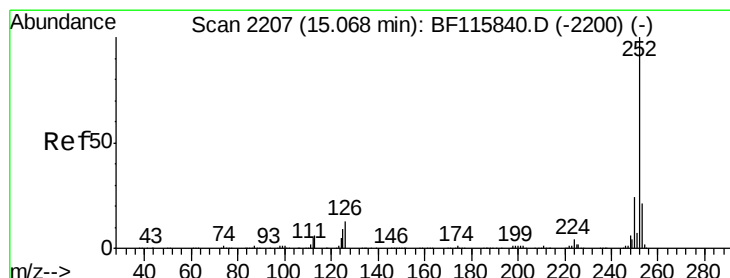
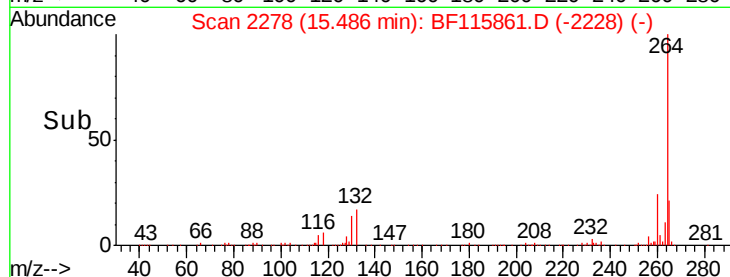
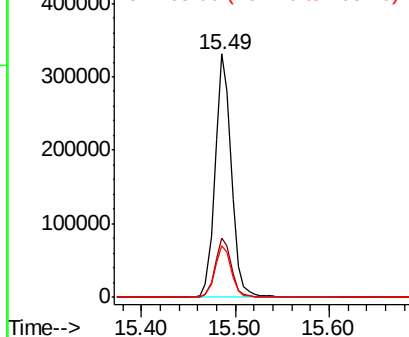
Tot Ion:	264	Resp:	403987
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.4	29.2
265	21.3	17.5	26.3

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



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



#88

Benzo(b)fluoranthene

Concen: 42.798 ng

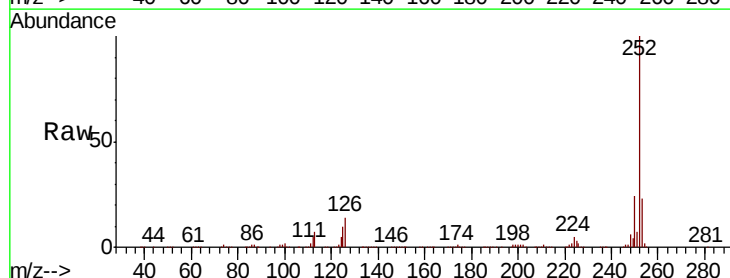
RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

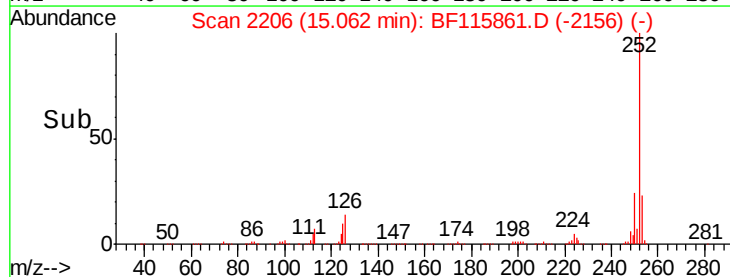
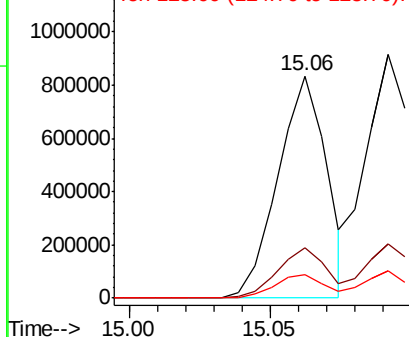
Lab File: BF115861.D

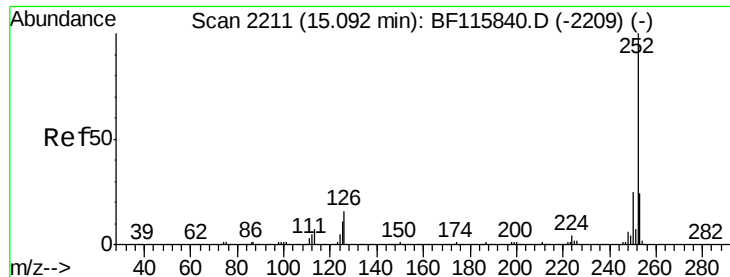
Acq: 31 Jul 2019 13:05

Tgt Ion:	252	Resp:	999725
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	10.4	7.4	11.0



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





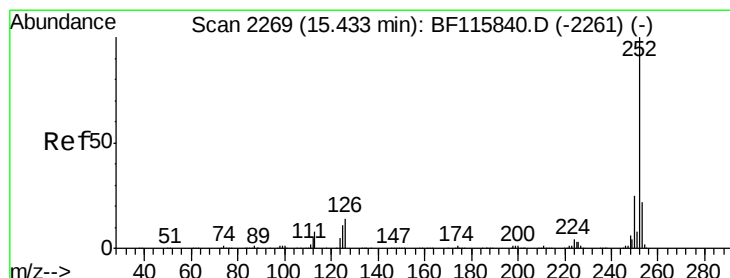
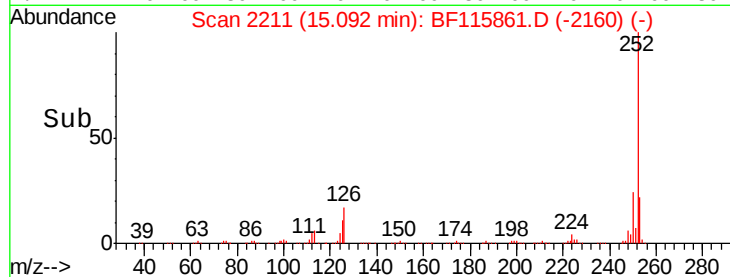
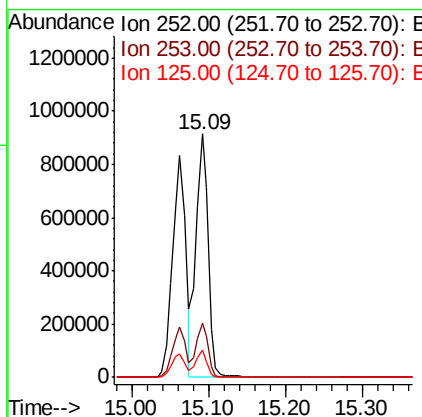
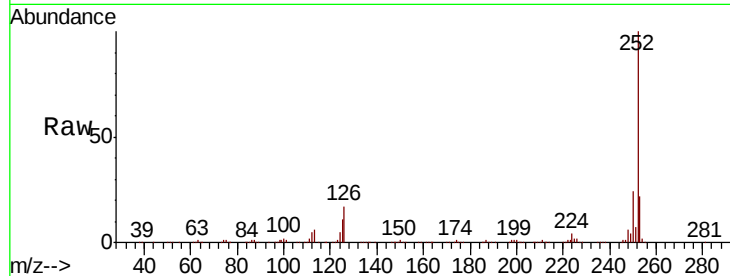
#89
Benzo(k)fluoranthene
Concen: 44.572 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	11.0	8.9	13.3

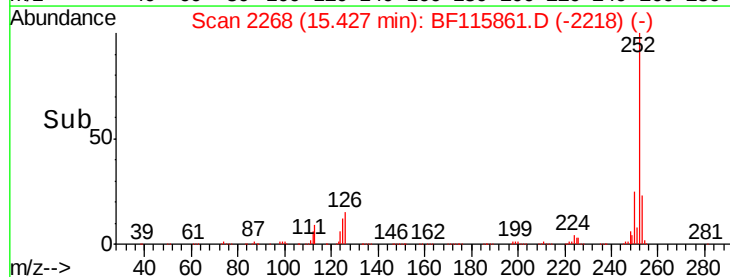
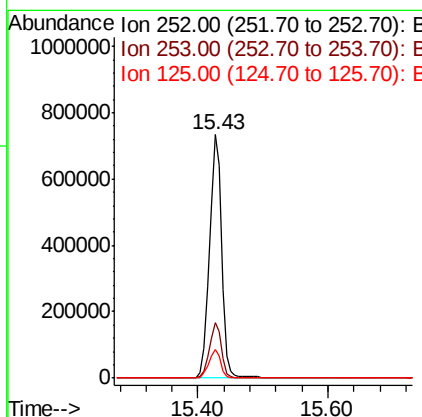
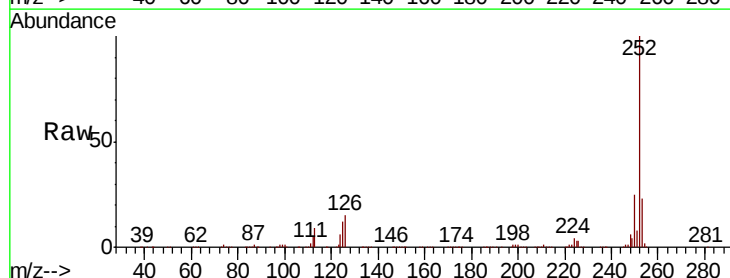
Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#90
Benzo(a)pyrene
Concen: 45.557 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	11.5	8.8	13.2





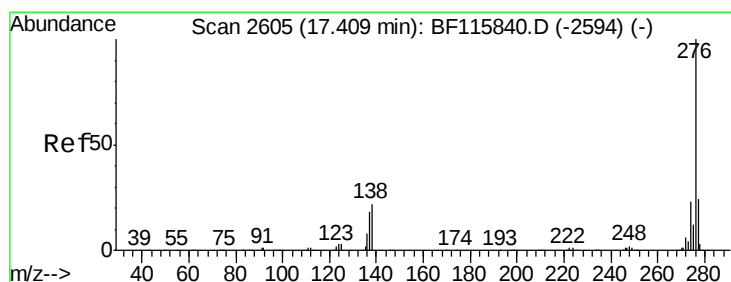
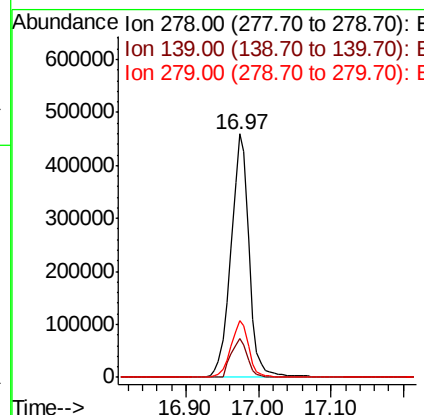
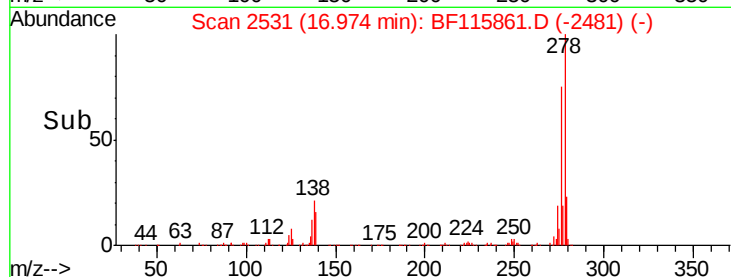
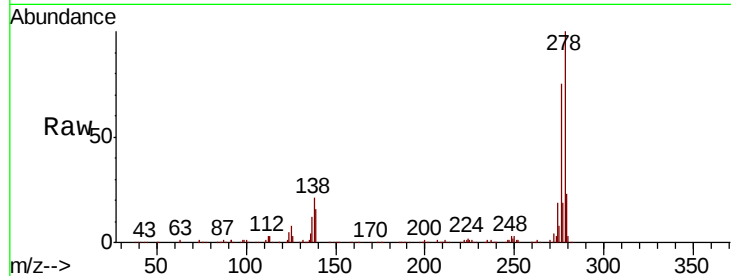
#91
Dibenzo(a,h)anthracene
Concen: 44.234 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Instrument :
BNA_F
ClientSampleId :
PB121731BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	23.2	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/1/2019 5:06:23 PM



#92
Benzo(g,h,i)perylene
Concen: 44.522 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF115861.D
Acq: 31 Jul 2019 13:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.5	29.3
138	21.5	17.8	26.8

