

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115354.D
 Acq On : 2 Jul 2019 10:43
 Operator : HP/JU
 Sample : PB121082BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:51:27 PM

Quant Time: Jul 02 12:18:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 02 12:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	222505	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	872705	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	426616	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	843675	20.00	ng	0.00
76) Chrysene-d12	13.73	240	540922	20.00	ng	0.00
87) Perylene-d12	15.10	264	678125	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1675367	116.19	ng	0.02
7) Phenol-d6	6.25	99	2039022	116.51	ng	0.00
23) Nitrobenzene-d5	7.17	82	1287369	90.74	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	612945	136.25	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2395893	95.40	ng	0.00
79) Terphenyl-d14	12.69	244	2600952	102.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	219450	32.249	ng	99
3) Pyridine	2.90	79	614525	32.040	ng	99
4) n-Nitrosodimethylamine	2.84	42	275199	36.601	ng	100
6) Aniline	6.27	93	583308	24.251	ng	# 56
8) 2-Chlorophenol	6.40	128	684854	42.241	ng	96
9) Benzaldehyde	6.14	77	108481	9.501	ng	99
10) Phenol	6.27	94	777753	37.939	ng	89
11) bis(2-Chloroethyl)ether	6.35	93	620764	41.080	ng	99
12) 1,3-Dichlorobenzene	6.54	146	736953	40.957	ng	97
13) 1,4-Dichlorobenzene	6.62	146	744388	41.255	ng	98
14) 1,2-Dichlorobenzene	6.78	146	692490	41.443	ng	100
15) Benzyl Alcohol	6.75	79	404622	31.751	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.89	45	870472	39.717	ng	99
17) 2-Methylphenol	6.87	107	611272	45.677	ng	99
18) Hexachloroethane	7.12	117	265436	40.805	ng	98
19) n-Nitroso-di-n-propylamine	7.03	70	438150	39.106	ng	100
20) 3+4-Methylphenols	7.02	107	688668	44.566	ng	93
22) Acetophenone	7.02	105	927038	46.400	ng	# 98
24) Nitrobenzene	7.19	77	689197	44.096	ng	98
25) Isophorone	7.43	82	1263636	43.480	ng	99
26) 2-Nitrophenol	7.50	139	396277	51.342	ng	92
27) 2,4-Dimethylphenol	7.55	122	644795	51.023	ng	100
28) bis(2-Chloroethoxy)methane	7.65	93	798123	43.450	ng	100
29) 2,4-Dichlorophenol	7.75	162	611875	46.917	ng	97
30) 1,2,4-Trichlorobenzene	7.83	180	665366	46.188	ng	98
31) Naphthalene	7.91	128	1940562	45.299	ng	100
32) Benzoic acid	7.70	122	445738	49.413	ng	99
33) 4-Chloroaniline	7.95	127	417732	21.336	ng	100
34) Hexachlorobutadiene	8.03	225	361186	45.753	ng	98
35) Caprolactam	8.34	113	200288m	45.679	ng	
36) 4-Chloro-3-methylphenol	8.45	107	619002	46.867	ng	96
37) 2-Methylnaphthalene	8.60	142	1328959	46.010	ng	99
38) 1-Methylnaphthalene	8.70	142	1263218	45.791	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	581652	48.248	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115354.D
 Acq On : 2 Jul 2019 10:43
 Operator : HP/JU
 Sample : PB121082BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

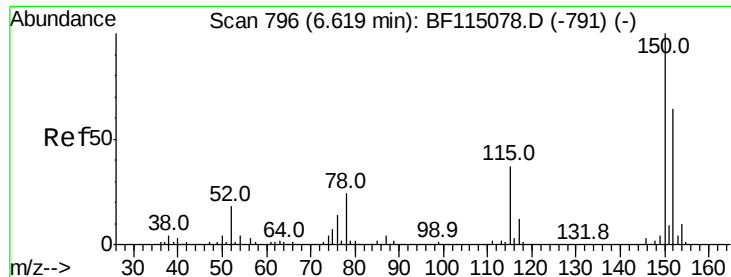
Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:51:27 PM

Quant Time: Jul 02 12:18:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 02 12:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.75	237	616386	86.227	nq	99
43) 2,4,6-Trichlorophenol	8.88	196	433636	46.591	nq	100
44) 2,4,5-Trichlorophenol	8.92	196	477738	49.844	nq	98
46) 1,1'-Biphenyl	9.06	154	1547875	45.345	nq	98
47) 2-Chloronaphthalene	9.08	162	1258765	45.461	nq	100
48) 2-Nitroaniline	9.18	65	374653	46.411	nq	99
49) Acenaphthylene	9.50	152	1945987	45.108	nq	100
50) Dimethylphthalate	9.37	163	1483529	47.266	nq	99
51) 2,6-Dinitrotoluene	9.42	165	346781	47.856	nq	99
52) Acenaphthene	9.67	154	1124923	41.671	nq	100
53) 3-Nitroaniline	9.58	138	234504	26.519	nq	98
54) 2,4-Dinitrophenol	9.70	184	397337	104.123	nq	96
55) Dibenzofuran	9.84	168	1680462	43.372	nq	98
56) 4-Nitrophenol	9.77	139	603049	85.064	nq	94
57) 2,4-Dinitrotoluene	9.82	165	453777	48.499	nq	95
58) Fluorene	10.18	166	1194303	46.520	nq	99
59) 2,3,4,6-Tetrachlorophenol	9.96	232	424536	52.823	nq	99
60) Diethylphthalate	10.07	149	1440462	45.656	nq	99
61) 4-Chlorophenyl-phenylether	10.18	204	584096	48.118	nq	100
62) 4-Nitroaniline	10.20	138	393731	44.383	nq	96
63) Azobenzene	10.34	77	1295796	43.971	nq	100
65) 4,6-Dinitro-2-methylphenol	10.24	198	233103	51.521	nq	93
66) n-Nitrosodiphenylamine	10.30	169	1201791	45.722	nq	99
67) 4-Bromophenyl-phenylether	10.66	248	423181	46.264	nq	98
68) Hexachlorobenzene	10.73	284	458471	46.176	nq	99
69) Atrazine	10.83	200	403888	47.768	nq	99
70) Pentachlorophenol	10.92	266	563491	89.085	nq	98
71) Phenanthrene	11.14	178	1968187	43.329	nq	100
72) Anthracene	11.18	178	2020233	44.059	nq	100
73) Carbazole	11.34	167	1865694	45.566	nq	100
74) Di-n-butylphthalate	11.68	149	2162399	45.703	nq	100
75) Fluoranthene	12.31	202	2053750	45.314	nq	99
77) Benzidine	12.43	184	586939	24.436	nq	100
78) Pyrene	12.54	202	2099595	50.507	nq	100
80) Butylbenzylphthalate	13.17	149	988203	53.867	nq	99
81) Benzo(a)anthracene	13.72	228	1879900	48.435	nq	100
82) 3,3'-Dichlorobenzidine	13.69	252	561300	40.047	nq	99
83) Chrysene	13.76	228	1858024	52.260	nq	99
84) Bis(2-ethylhexyl)phthalate	13.74	149	1218884	50.706	nq	99
85) Di-n-octyl phthalate	14.35	149	2204351	54.579	nq	100
86) Indeno(1,2,3-cd)pyrene	16.38	276	2246986	53.410	nq	99
88) Benzo(b)fluoranthene	14.73	252	2092662	49.457	nq	99
89) Benzo(k)fluoranthene	14.76	252	1800001	47.436	nq	99
90) Benzo(a)pyrene	15.05	252	1931653	50.650	nq	99
91) Dibenzo(a,h)anthracene	16.41	278	1823472	51.216	nq	100
92) Benzo(g,h,i)perylene	16.77	276	1904448	52.850	nq	98

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



#1

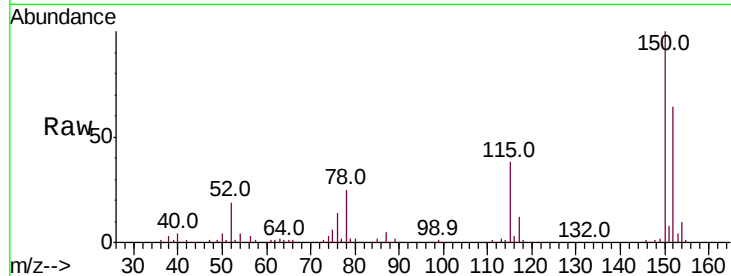
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.2	187.8
115	59.9	48.2	72.2

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

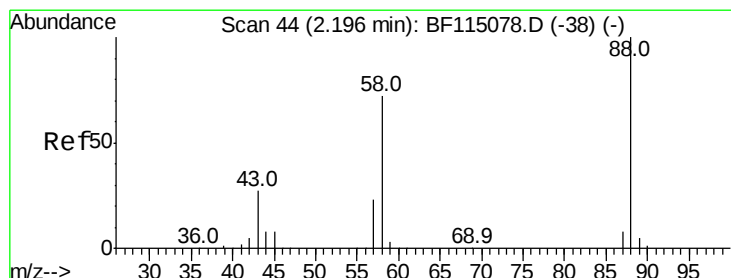
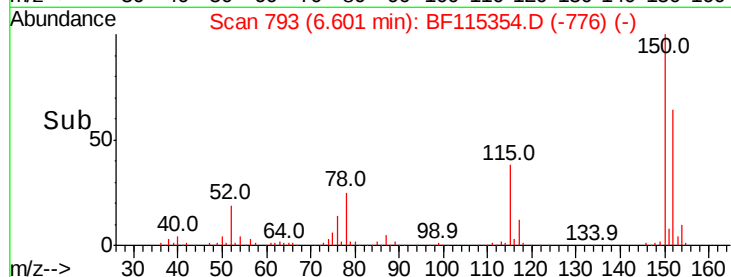
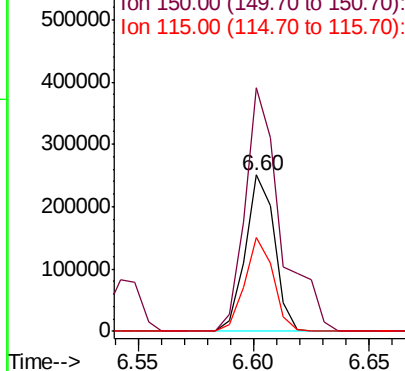


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

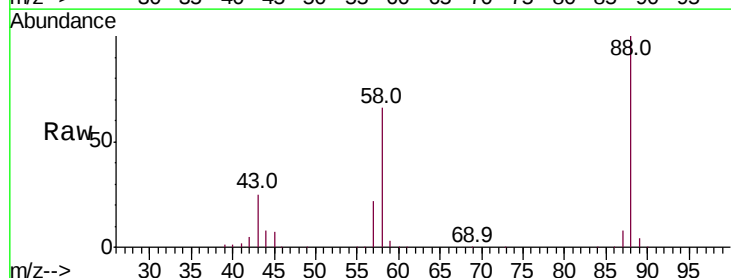
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 32.249 ng
RT: 2.24 min Scan# 52
Delta R.T. 0.08 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.9	54.8	82.2
43	25.7	21.0	31.6

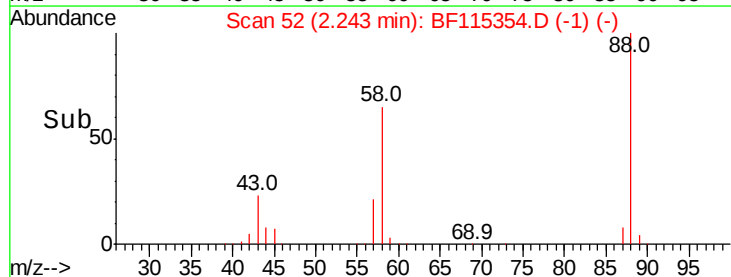
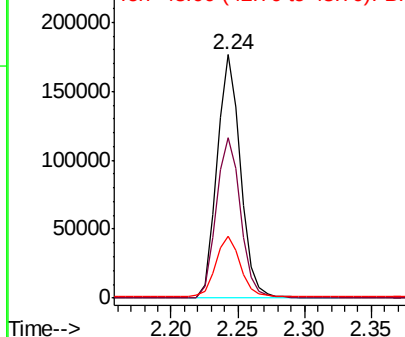


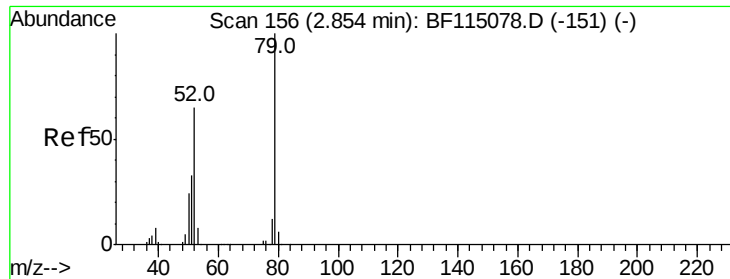
Abundance

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





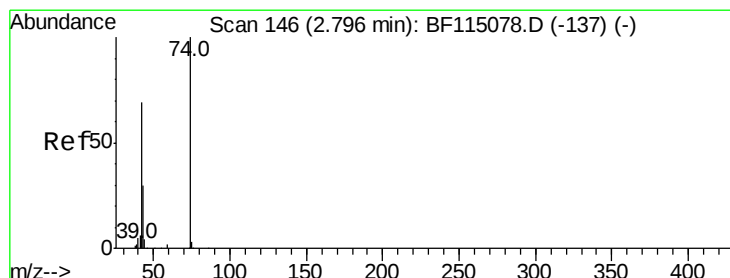
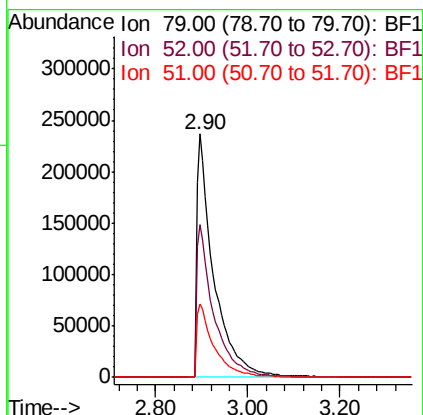
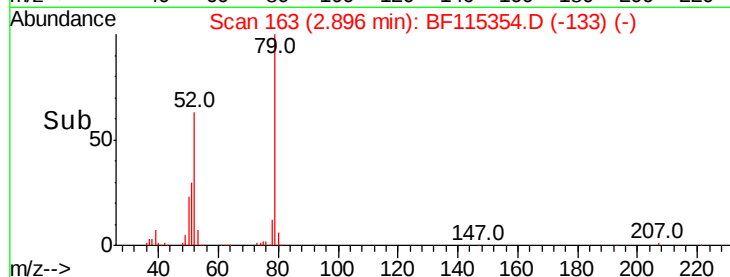
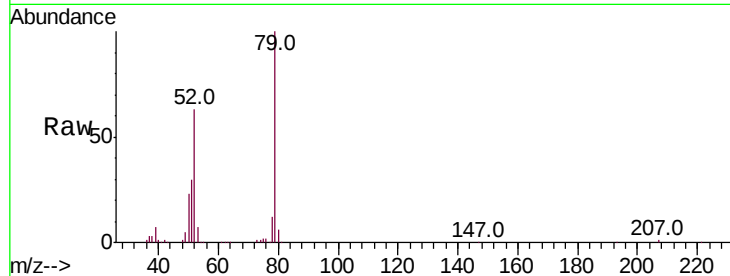
#3
 Pvridine
 Concen: 32.040 ng
 RT: 2.90 min Scan# 163
 Delta R.T. 0.08 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	62.9	50.9	76.3
51	30.3	25.0	37.4

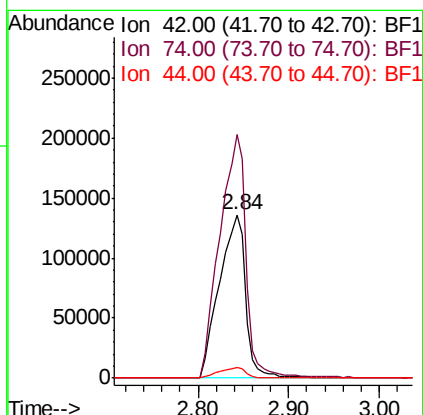
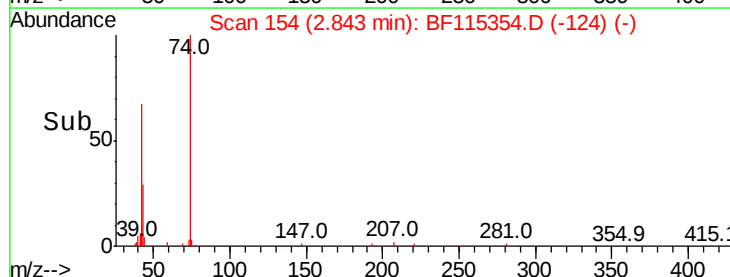
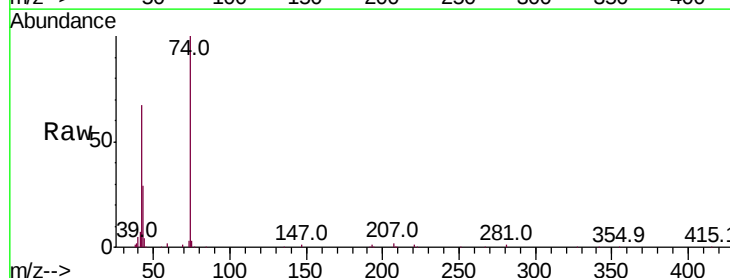
Manual Integrations
 APPROVED

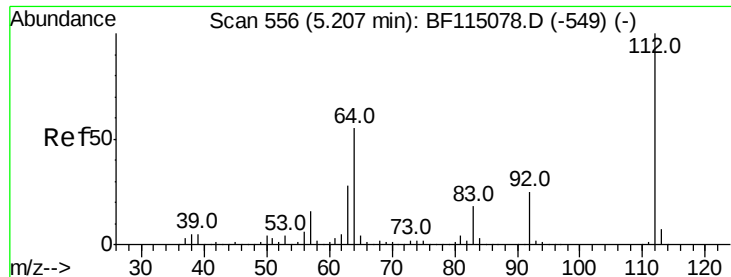
mohammad
 7/3/2019 10:51:27 PM



#4
 n-Nitrosodimethylamine
 Concen: 36.601 ng
 RT: 2.84 min Scan# 154
 Delta R.T. 0.08 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
42	100		
74	149.0	119.1	178.7
44	6.4	5.4	8.2





#5

2-Fluorophenol

Concen: 116.194 ng

RT: 5.21 min Scan# 557

Delta R.T. 0.02 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

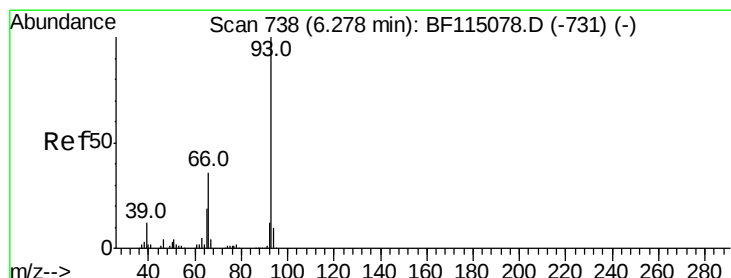
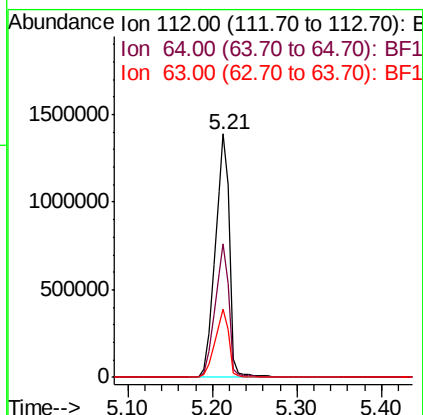
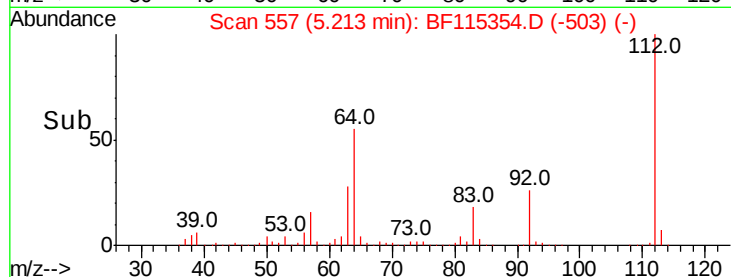
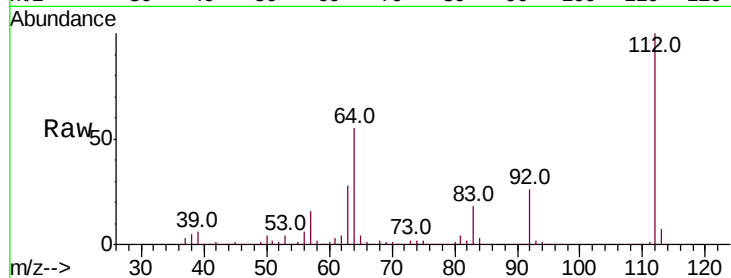
ClientSampleId :

PB121082BS

Tot Ion:	112	Resp:	1675367
Ion Ratio	Lower	Upper	
112	100		
64	54.7	44.2	66.2
63	28.3	22.3	33.5

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM



#6

Aniline

Concen: 24.251 ng

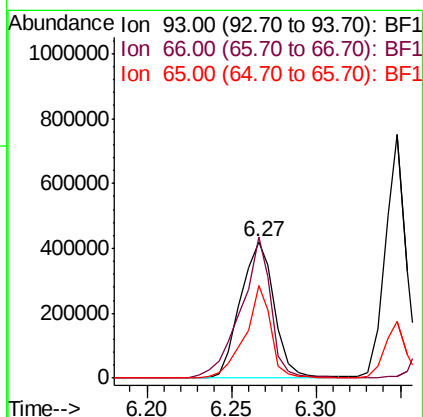
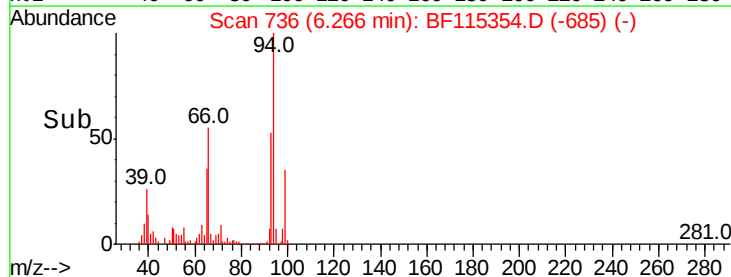
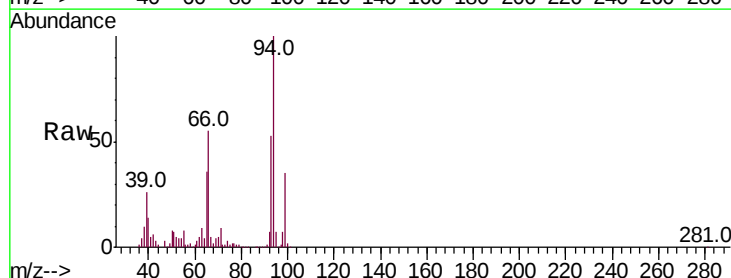
RT: 6.27 min Scan# 736

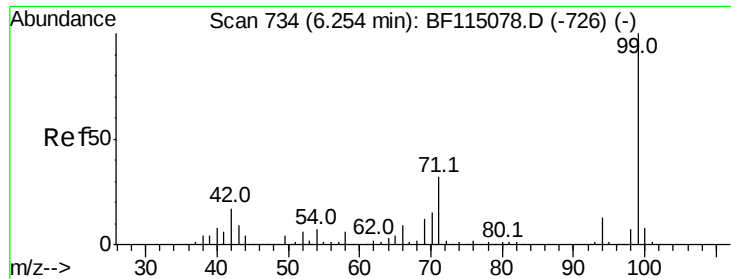
Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Tgt Ion:	93	Resp:	583308
Ion Ratio	Lower	Upper	
93	100		
66	103.4	53.8	80.6#
65	68.0	33.5	50.3#





#7

Phenol-d6

Concen: 116.510 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

ClientSampleId :

PB121082BS

Tot Ion: 99 Resp: 2039022

Ion Ratio Lower Upper

99 100

42 16.8 13.4 20.2

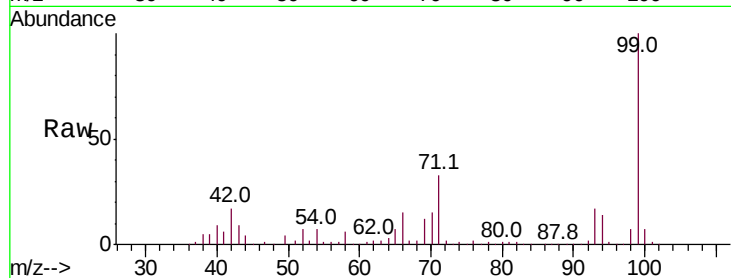
71 33.4 25.4 38.2

Manual Integrations

APPROVED

mohammad

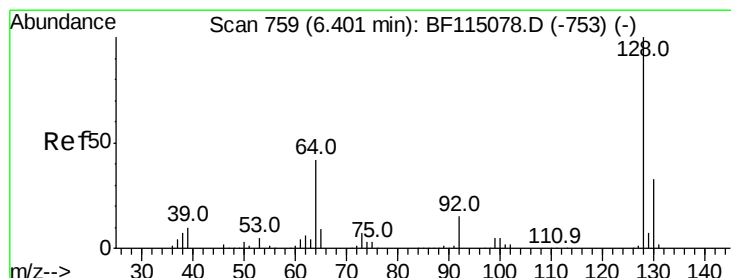
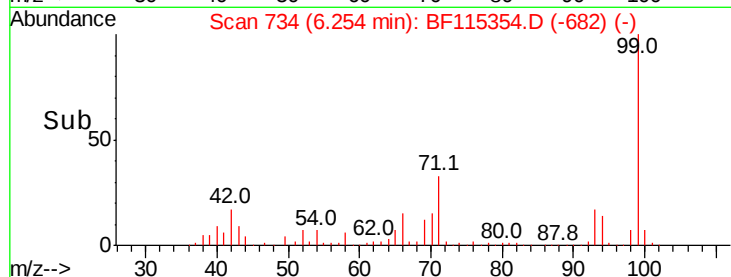
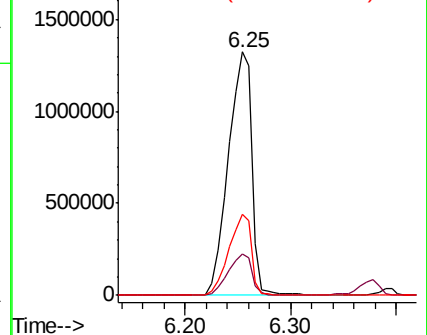
7/3/2019 10:51:27 PM



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: 42.241 ng

RT: 6.40 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

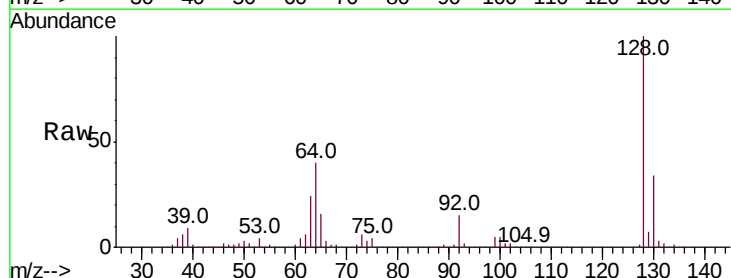
Tgt Ion:128 Resp: 684854

Ion Ratio Lower Upper

128 100

130 34.3 12.8 52.8

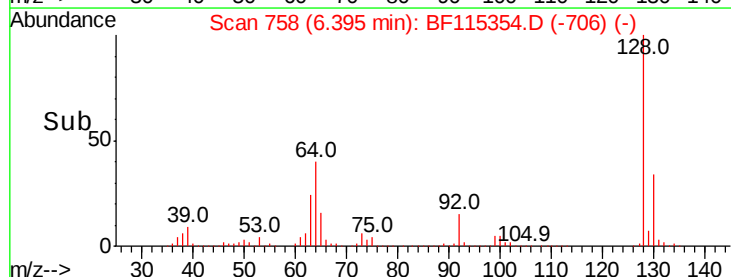
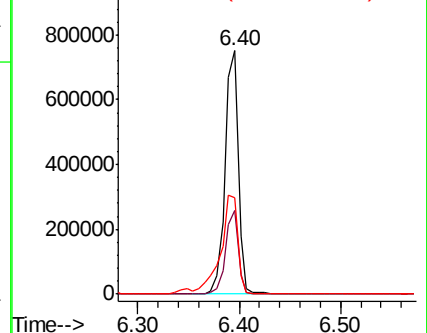
64 39.6 22.9 62.9

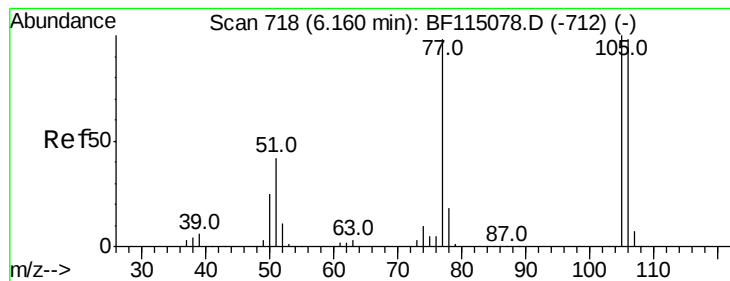


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 9.501 ng

RT: 6.14 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

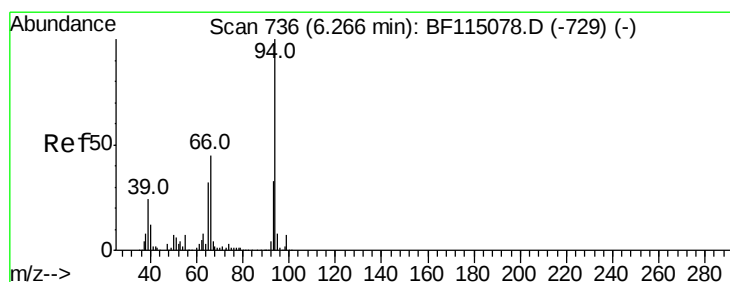
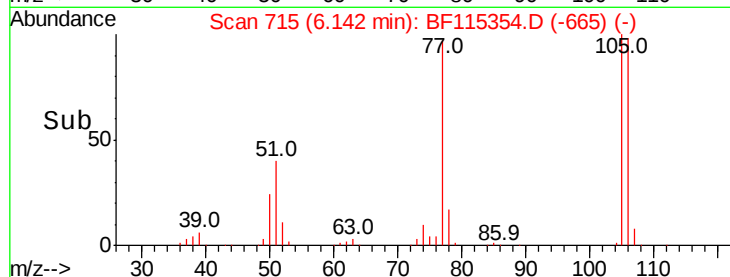
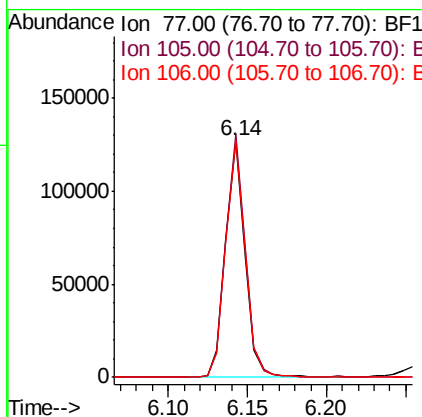
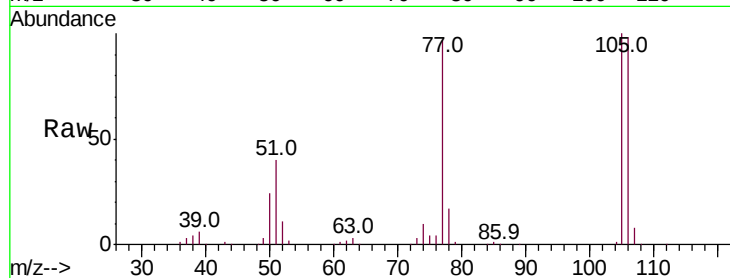
ClientSampleId :

PB121082BS

Tot Ion:	77	Resp:	108481
Ion	Ratio	Lower	Upper
77	100		
105	103.2	85.2	125.2
106	100.7	80.8	120.8

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM



#10

Phenol

Concen: 37.939 ng

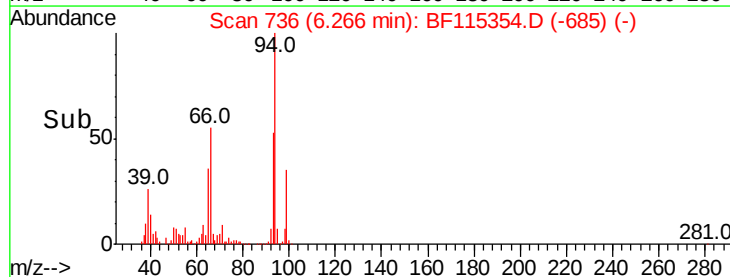
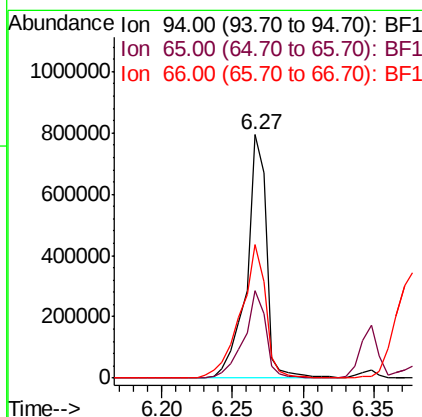
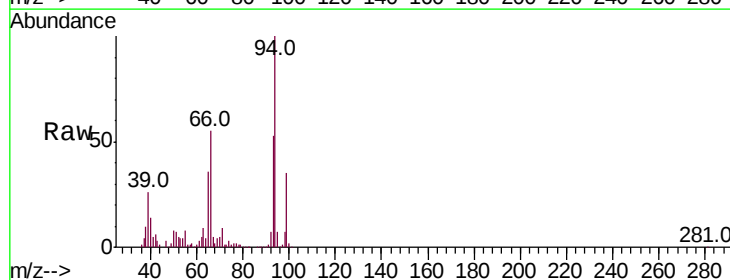
RT: 6.27 min Scan# 736

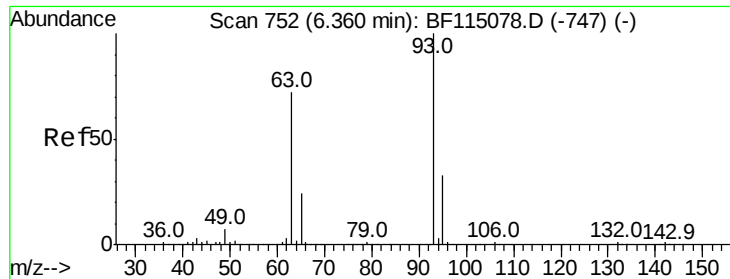
Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Tgt Ion:	94	Resp:	777753
Ion	Ratio	Lower	Upper
94	100		
65	35.9	20.9	60.9
66	54.6	45.4	85.4





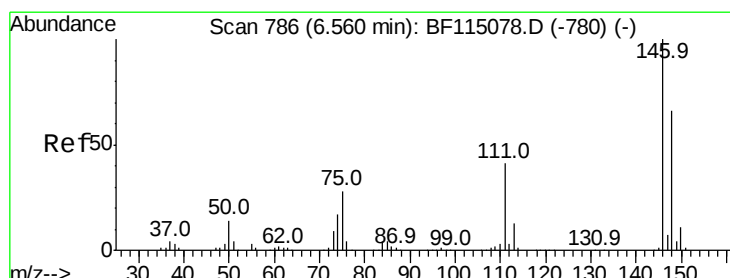
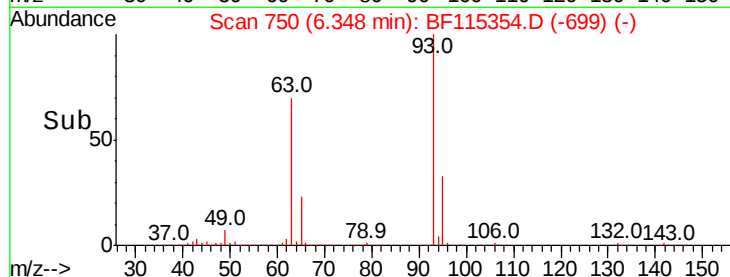
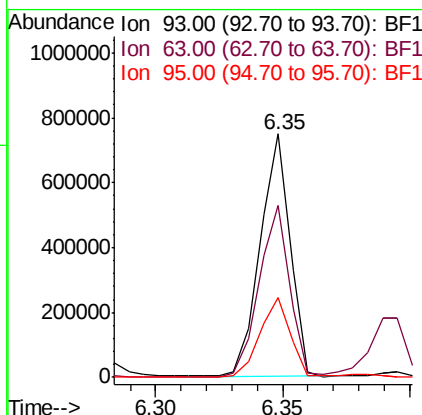
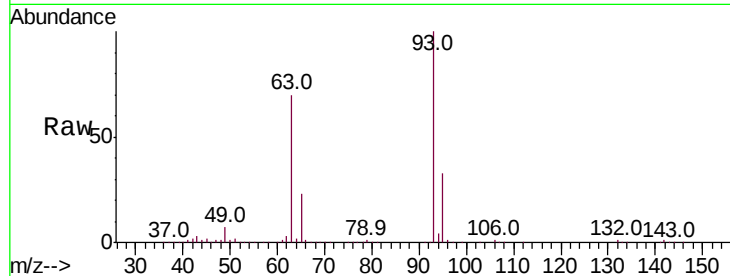
#11
bis(2-Chloroethyl)ether
Concen: 41.080 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	70.5	49.7	89.7
95	32.7	13.1	53.1

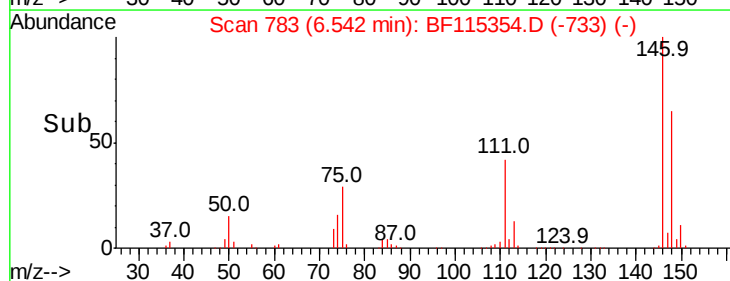
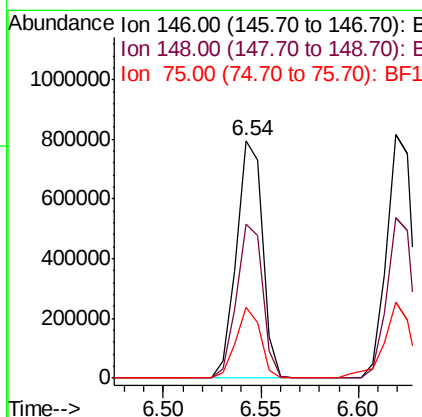
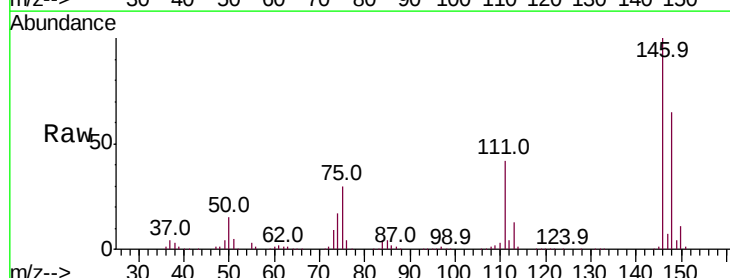
Manual Integrations
APPROVED

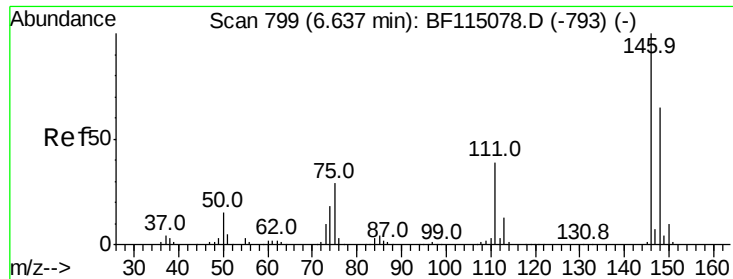
mohammad
7/3/2019 10:51:27 PM



#12
1,3-Dichlorobenzene
Concen: 40.957 ng
RT: 6.54 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.8	79.2
75	29.6	21.0	31.4





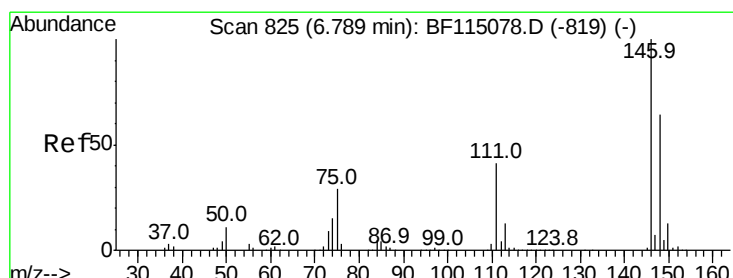
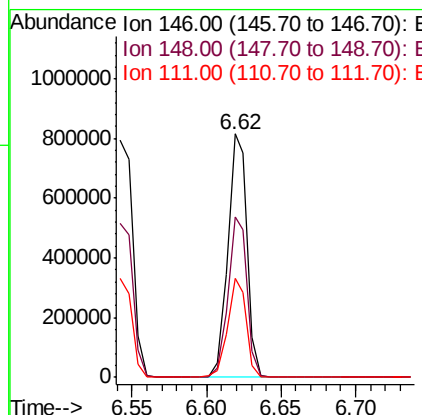
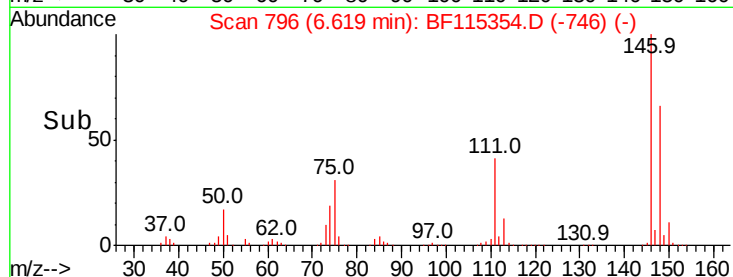
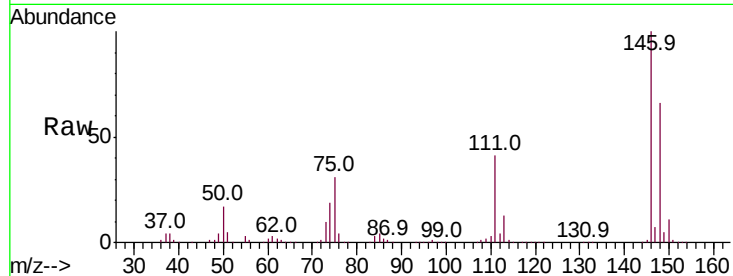
#13
 1,4-Dichlorobenzene
 Concen: 41.255 ng
 RT: 6.62 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.6	79.0
111	40.9	30.6	45.8

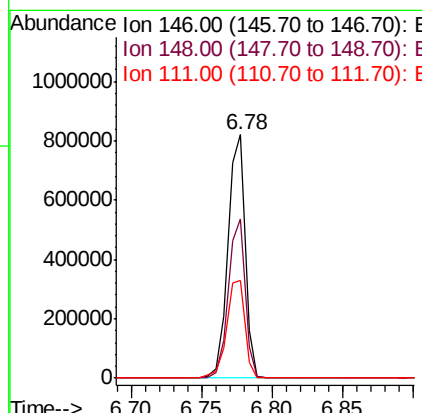
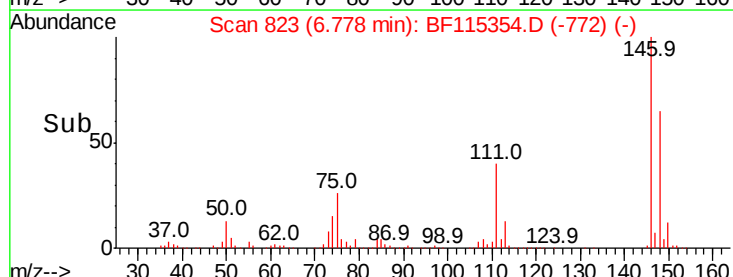
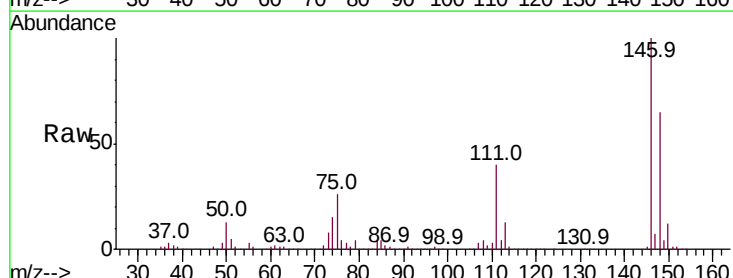
Manual Integrations
 APPROVED

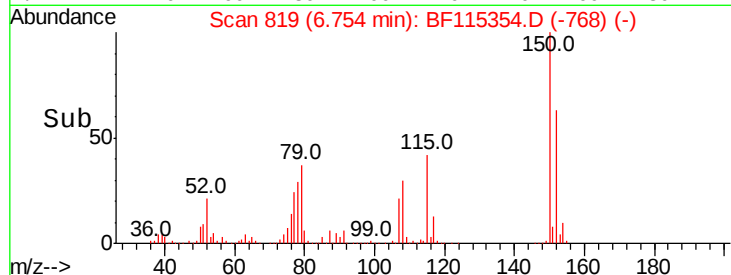
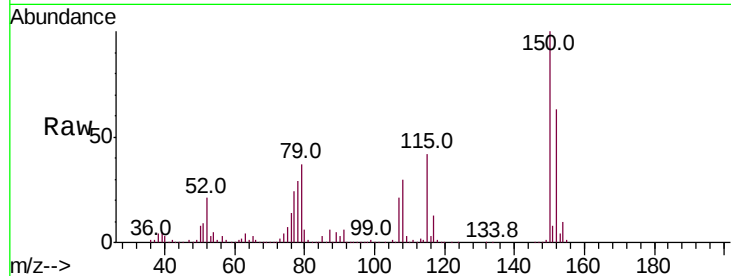
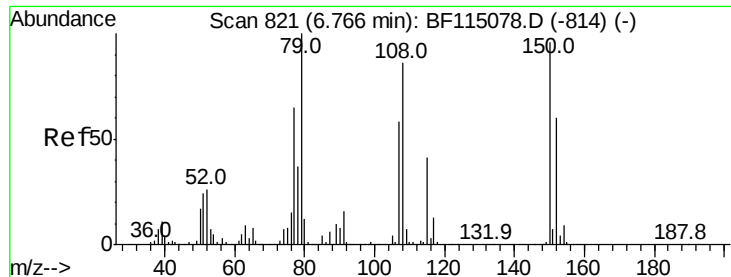
mohammad
 7/3/2019 10:51:27 PM



#14
 1,2-Dichlorobenzene
 Concen: 41.443 ng
 RT: 6.78 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	40.1	32.4	48.6





#15

Benzyl Alcohol

Concen: 31.751 ng

RT: 6.75 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Tot Ion:	79	Resp:	404622
Ion Ratio	Lower	Upper	
79	100		
108	82.8	65.6	98.4
77	64.6	51.0	76.6

Instrument :

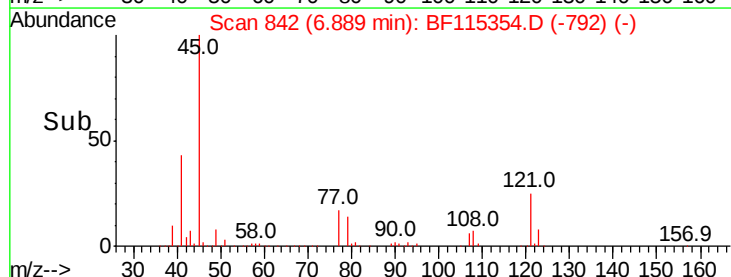
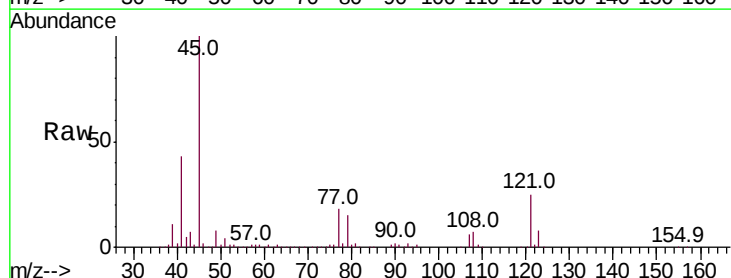
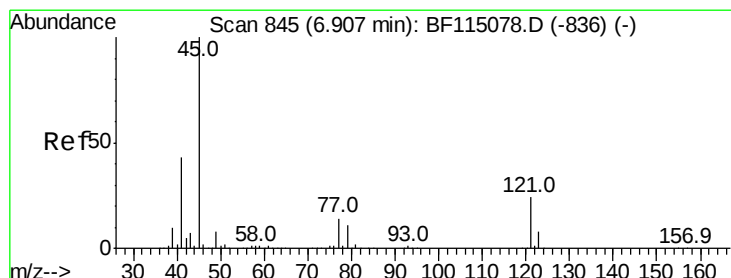
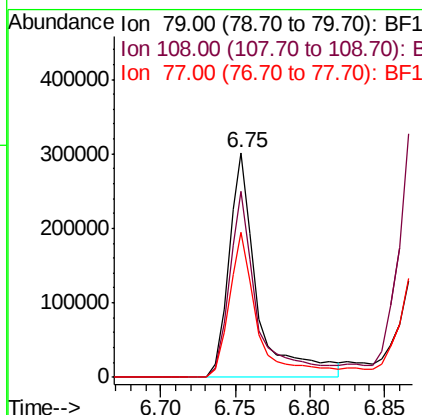
BNA_F

ClientSampleId :

PB121082BS

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.717 ng

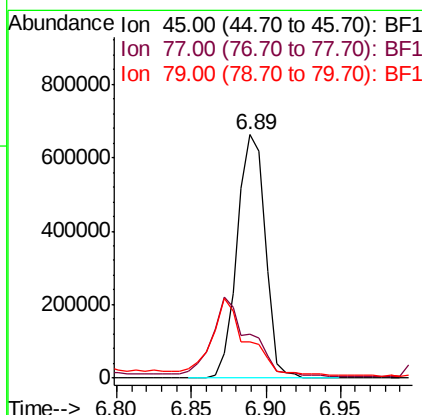
RT: 6.89 min Scan# 842

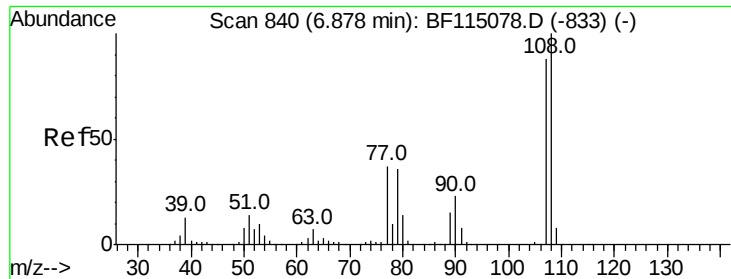
Delta R.T. -0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Tgt Ion:	45	Resp:	870472
Ion Ratio	Lower	Upper	
45	100		
77	18.1	0.0	37.7
79	14.8	0.0	34.9





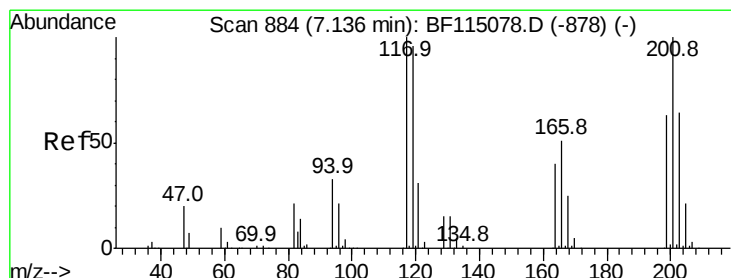
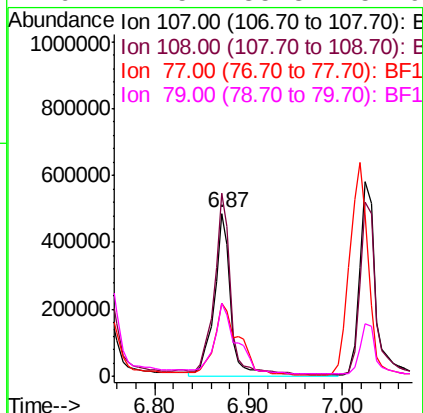
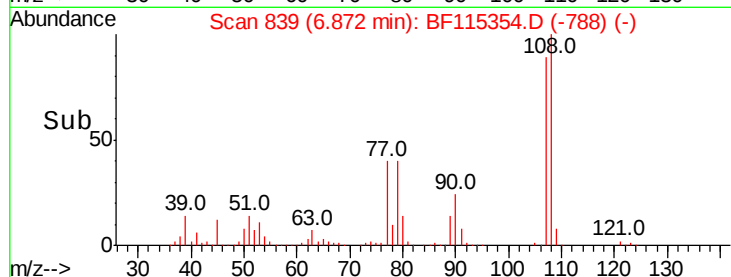
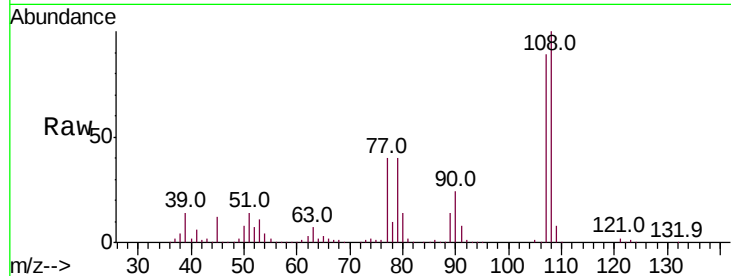
#17
2-Methylphenol
Concen: 45.677 ng
RT: 6.87 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.4	91.0	136.4	
77	45.3	35.8	53.8	
79	44.5	35.3	52.9	

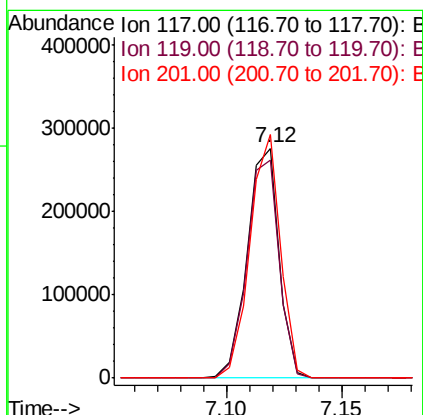
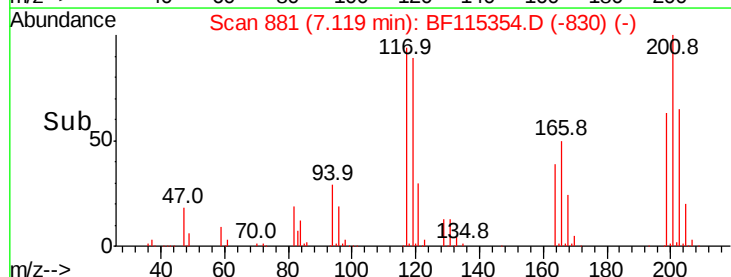
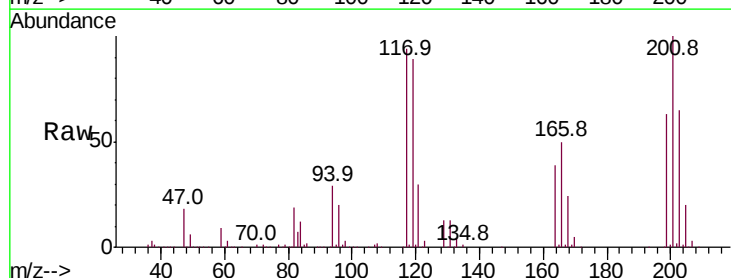
Manual Integrations
APPROVED

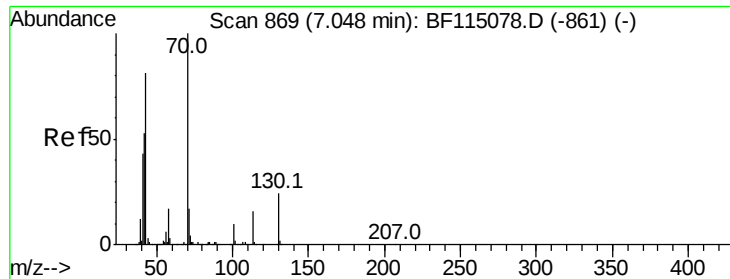
mohammad
7/3/2019 10:51:27 PM



#18
Hexachloroethane
Concen: 40.805 ng
RT: 7.12 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	76.9	115.3	
201	106.0	81.8	122.8	





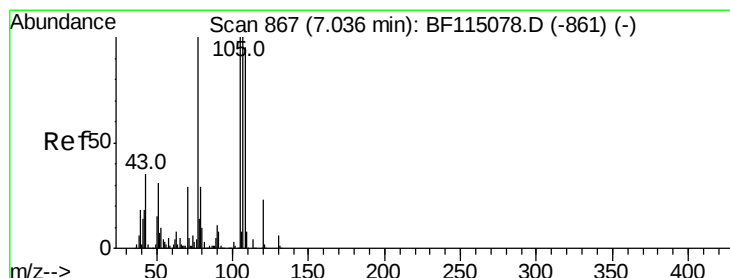
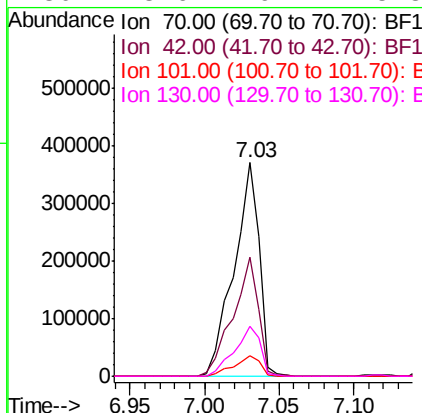
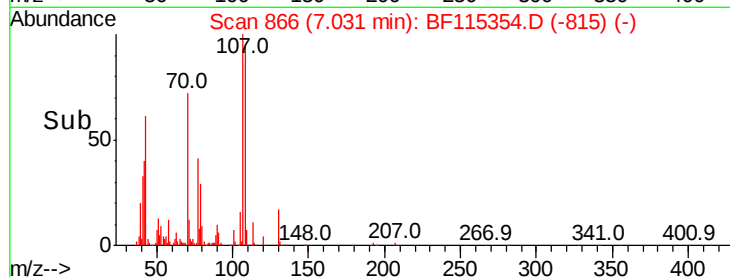
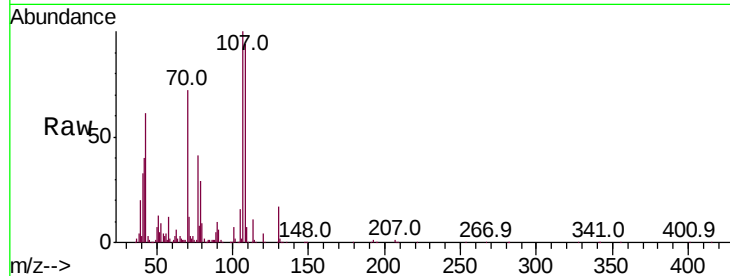
#19
n-Nitroso-di-n-propylamine
Concen: 39.106 ng
RT: 7.03 min Scan# 866
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	55.7	44.3	66.5		
101	9.9	7.8	11.8		
130	23.6	19.2	28.8		

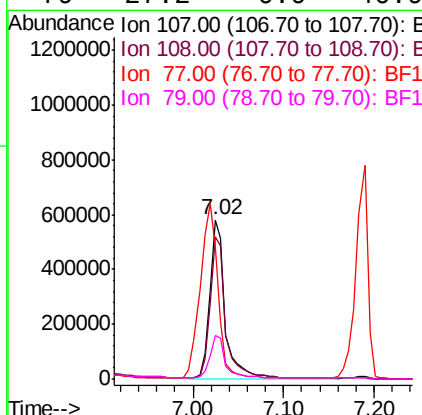
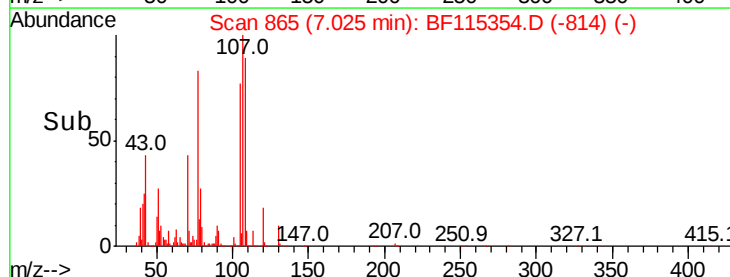
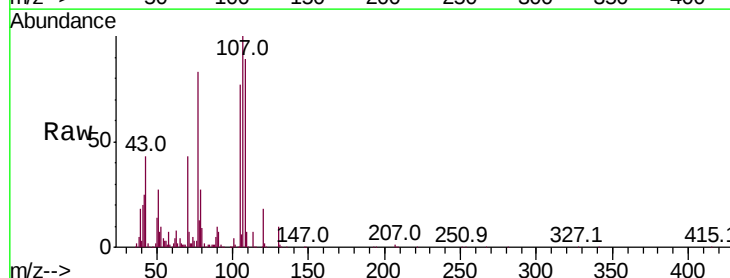
Manual Integrations
APPROVED

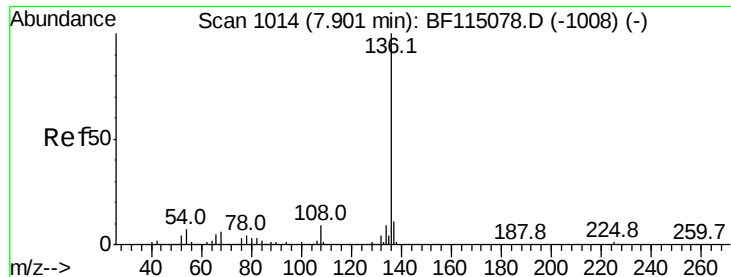
mohammad
7/3/2019 10:51:27 PM



#20
3+4-Methylphenols
Concen: 44.566 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.3	67.9	107.9		
77	82.9	76.7	116.7		
79	27.2	6.9	46.9		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

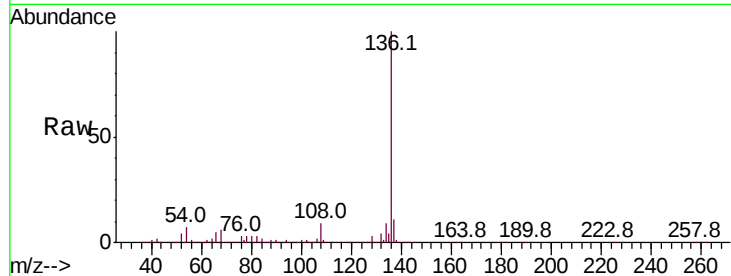
ClientSampleId :

PB121082BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	872705		
137	11.2		8.9	13.3
54	7.2		5.1	7.7
68	6.3		4.3	6.5

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM



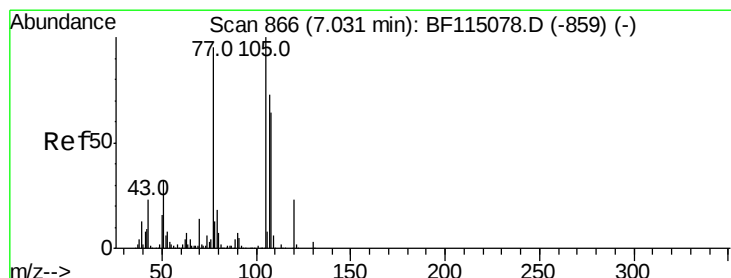
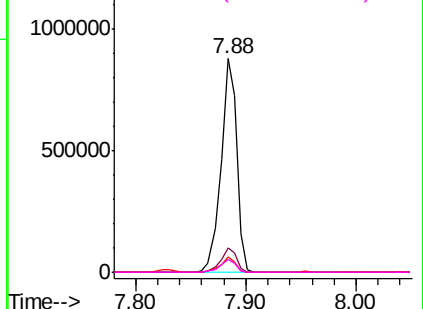
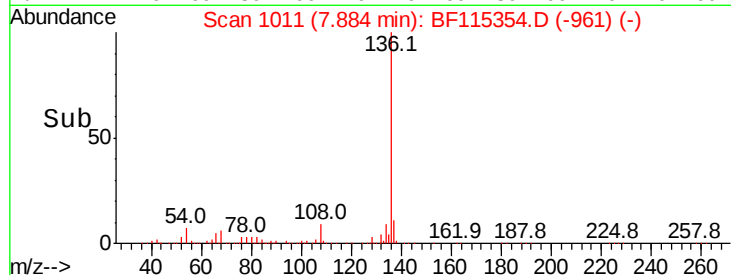
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 46.400 ng

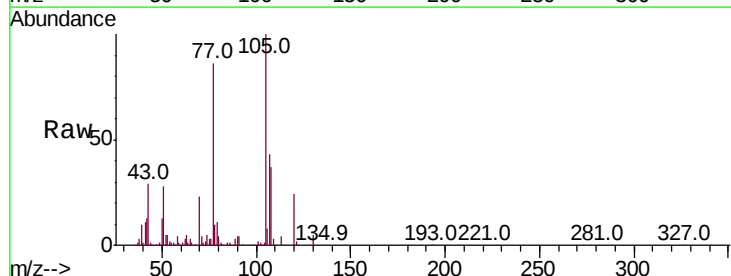
RT: 7.02 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	927038		
71	3.9		2.2	3.4#
51	28.2		21.1	31.7
120	23.7		18.6	27.8



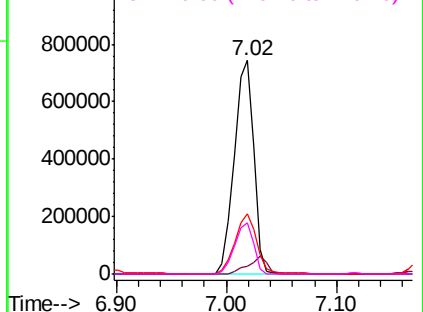
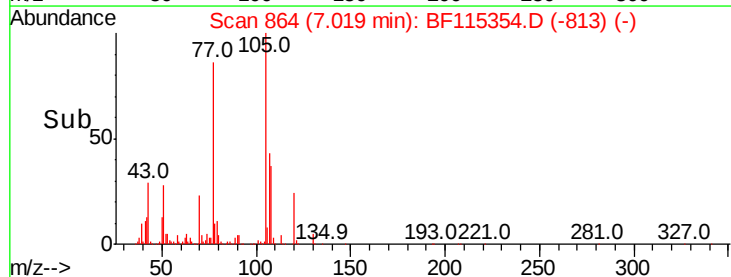
Abundance

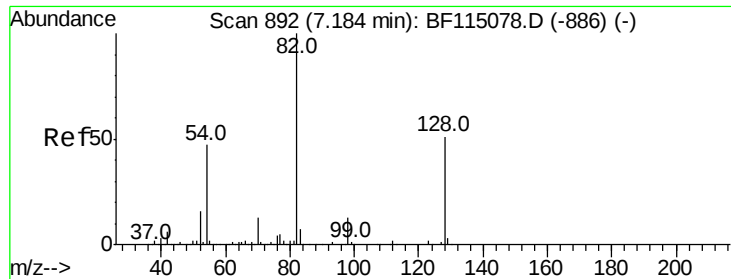
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





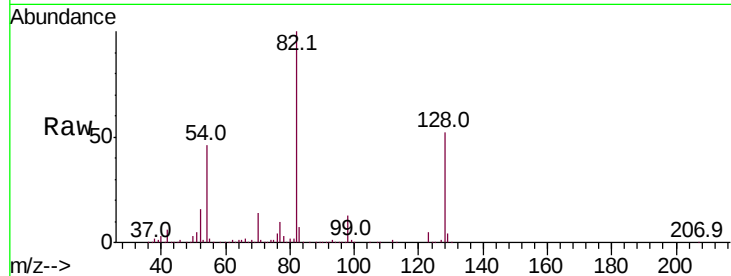
#23
Nitrobenzene-d5
Concen: 90.744 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampled :
PB121082BS

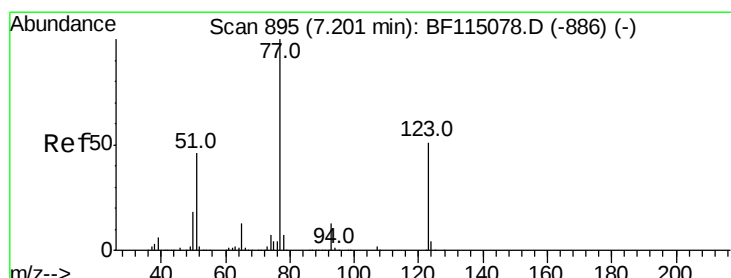
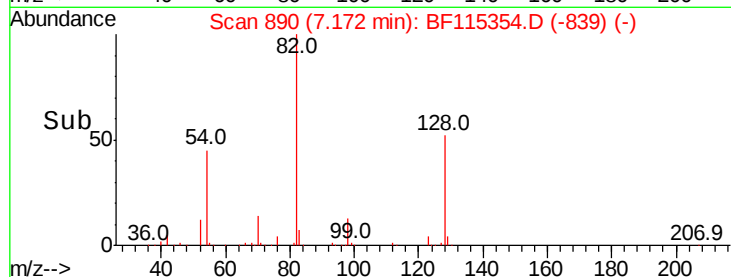
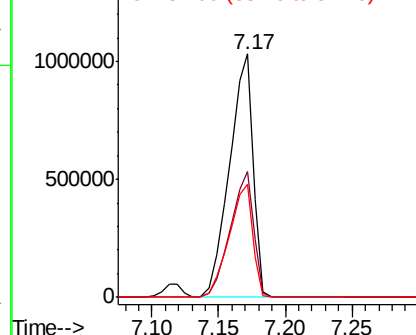
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.9	40.8	61.2
54	46.3	37.0	55.4

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

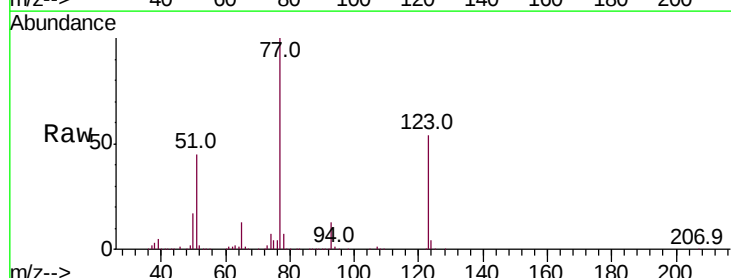


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

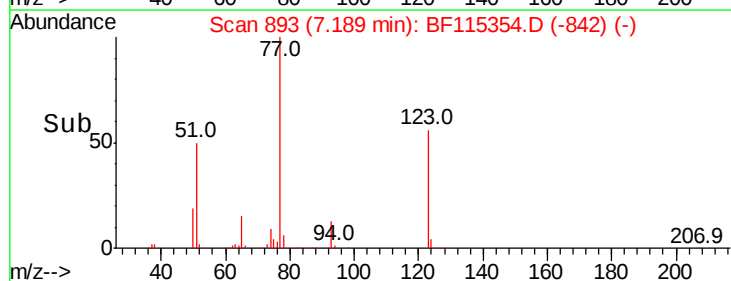
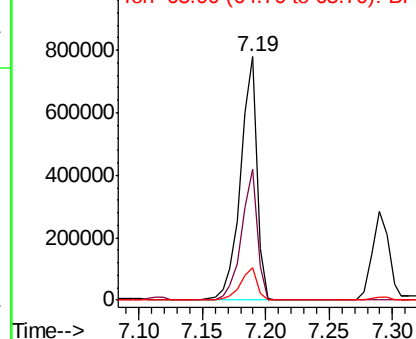


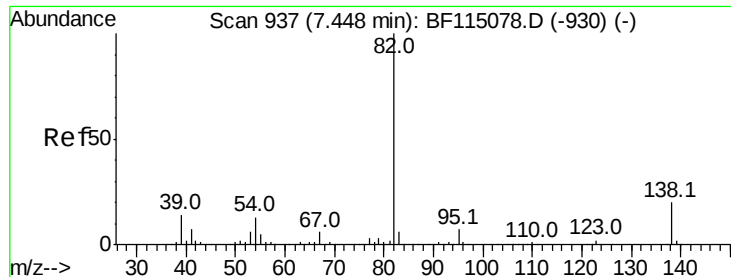
#24
Nitrobenzene
Concen: 44.096 ng
RT: 7.19 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	53.7	41.8	62.8
65	13.2	10.7	16.1



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 43.480 ng

RT: 7.43 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

ClientSampleId :

PB121082BS

Tot Ion: 82 Resp: 1263636

Ion Ratio Lower Upper

82 100

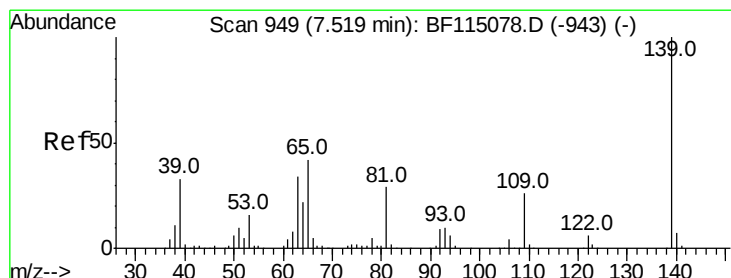
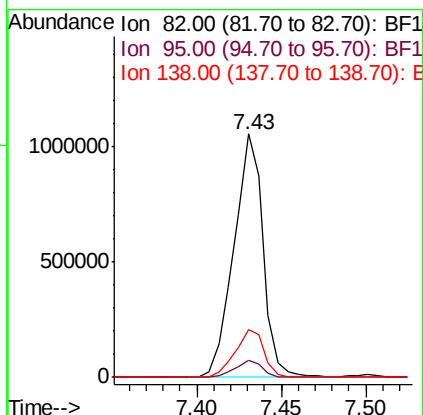
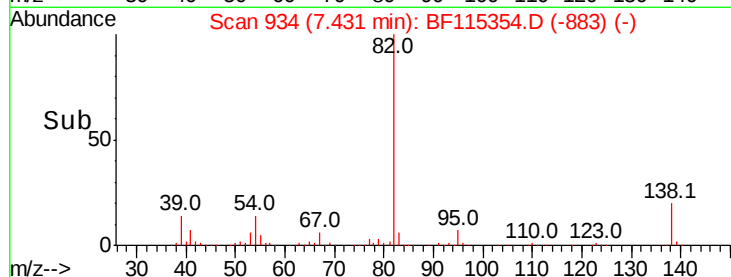
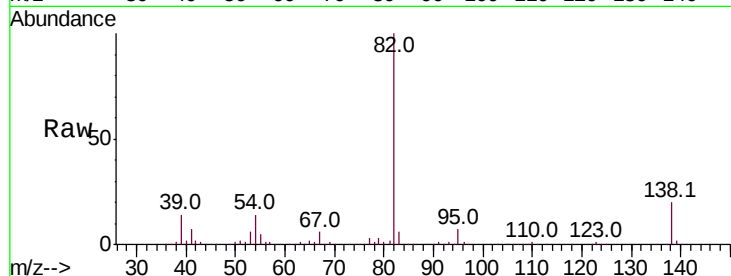
95 6.9 5.4 8.2

138 19.8 15.4 23.2

Manual Integrations
APPROVED

mohammad

7/3/2019 10:51:27 PM



#26

2-Nitrophenol

Concen: 51.342 ng

RT: 7.50 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

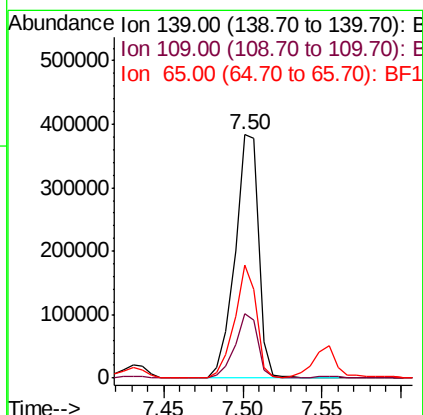
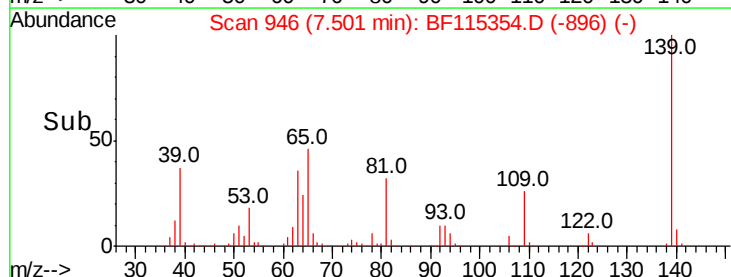
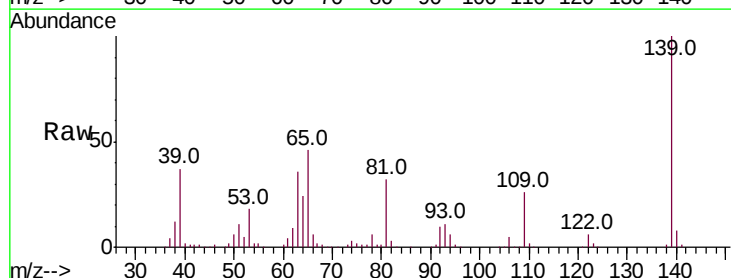
Tgt Ion: 139 Resp: 396277

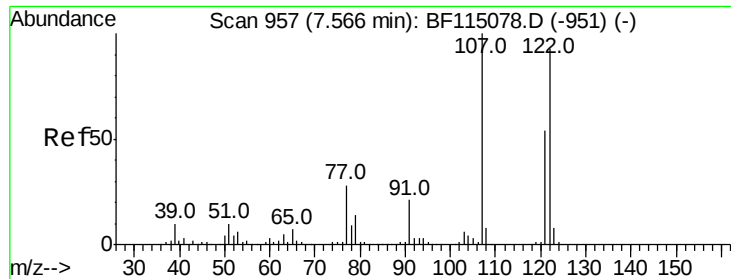
Ion Ratio Lower Upper

139 100

109 26.3 20.1 30.1

65 46.4 31.4 47.0





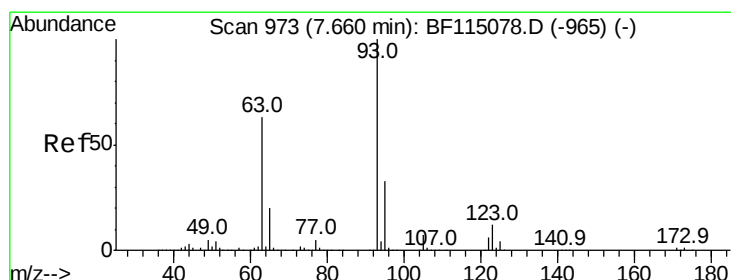
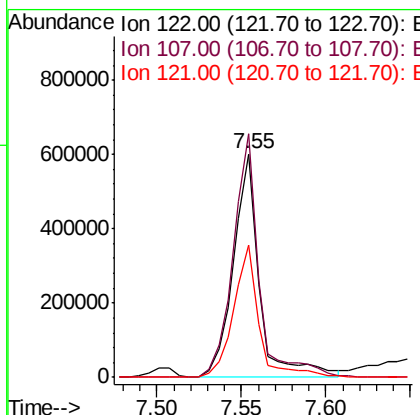
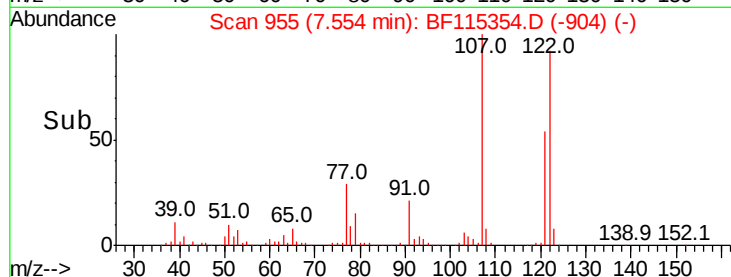
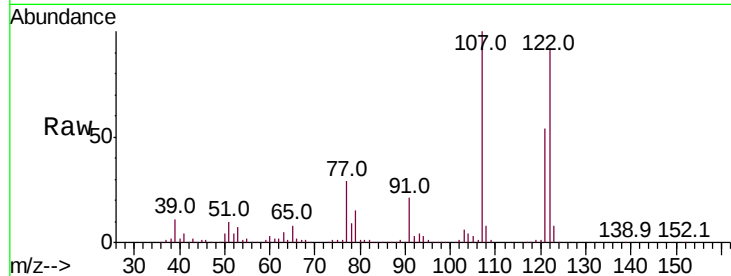
#27
 2,4-Dimethylphenol
 Concen: 51.023 ng
 RT: 7.55 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.0	86.7	130.1
121	59.2	47.2	70.8

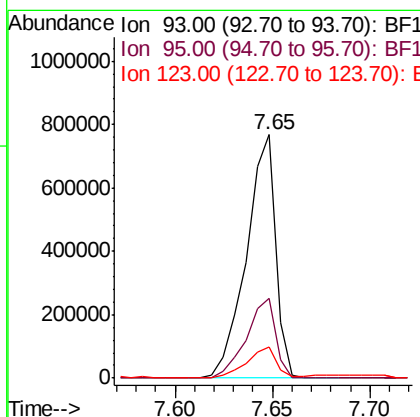
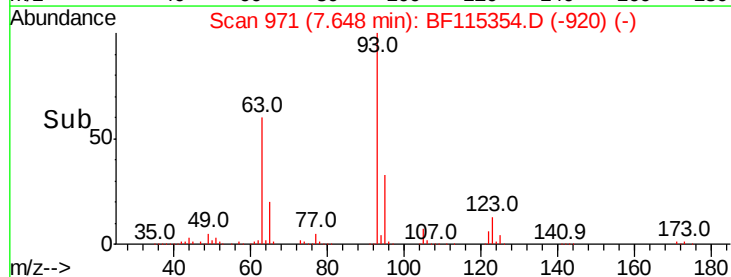
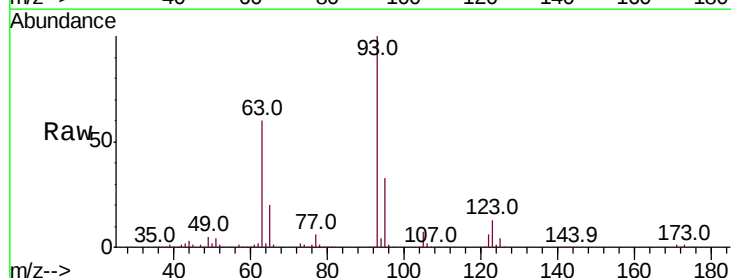
Manual Integrations
 APPROVED

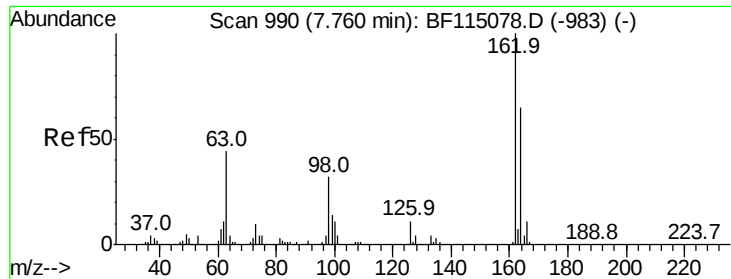
mohammad
 7/3/2019 10:51:27 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.450 ng
 RT: 7.65 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.6	9.9	14.9





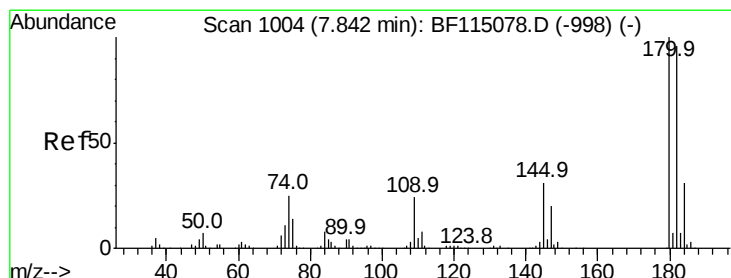
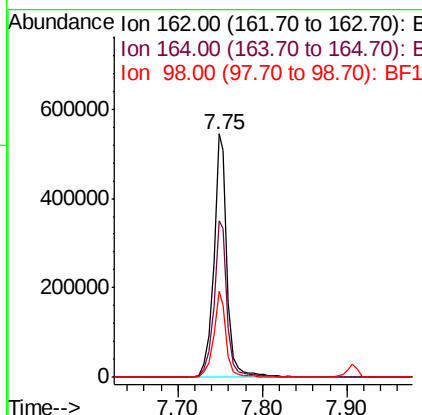
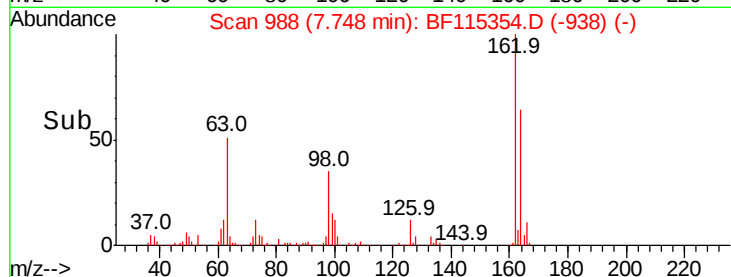
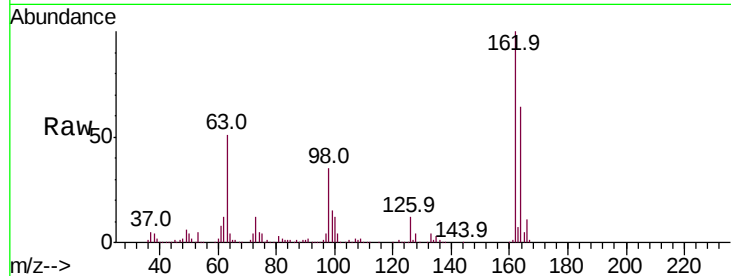
#29
2,4-Dichlorophenol
Concen: 46.917 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.2	45.4	85.4
98	35.5	12.1	52.1

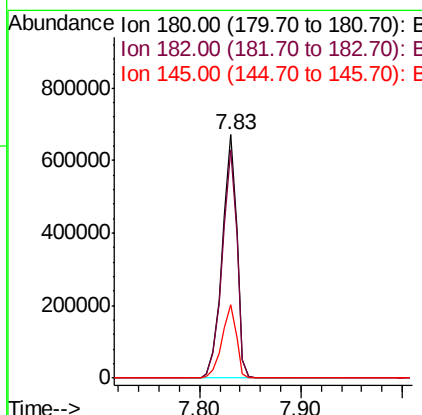
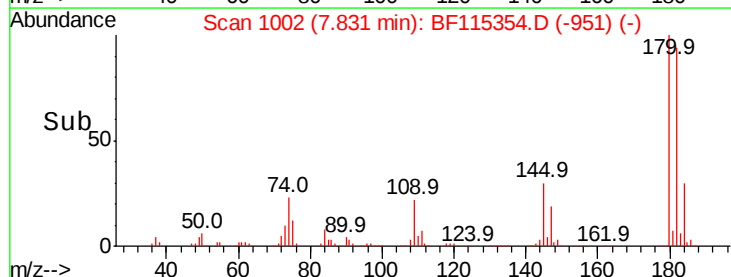
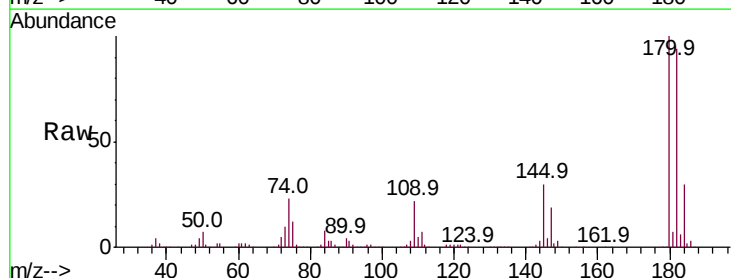
Manual Integrations
APPROVED

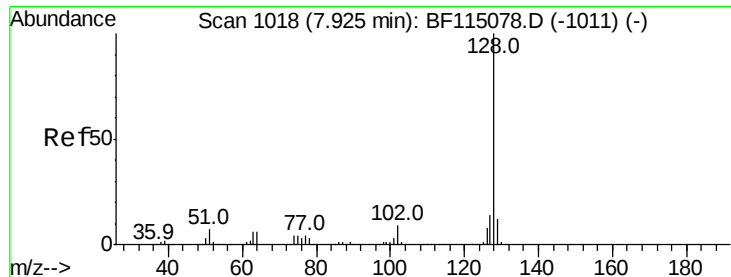
mohammad
7/3/2019 10:51:27 PM



#30
1,2,4-Trichlorobenzene
Concen: 46.188 ng
RT: 7.83 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.7	76.9	115.3
145	30.1	24.8	37.2





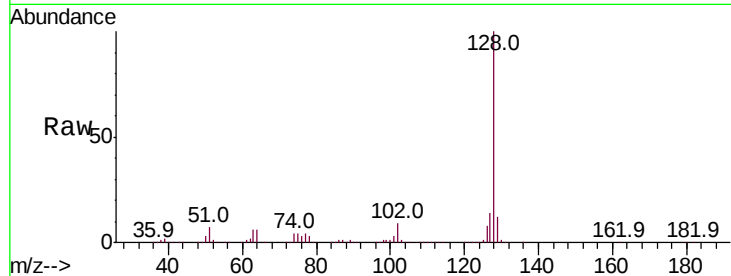
#31
Naphthalene
Concen: 45.299 ng
RT: 7.91 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

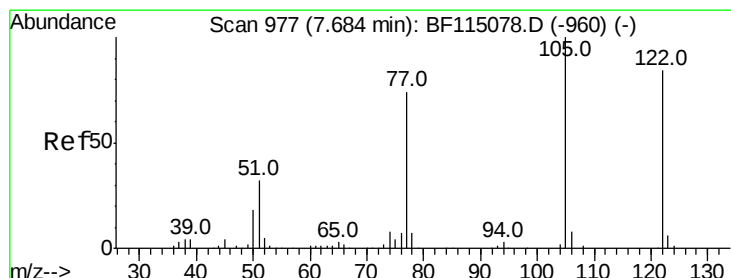
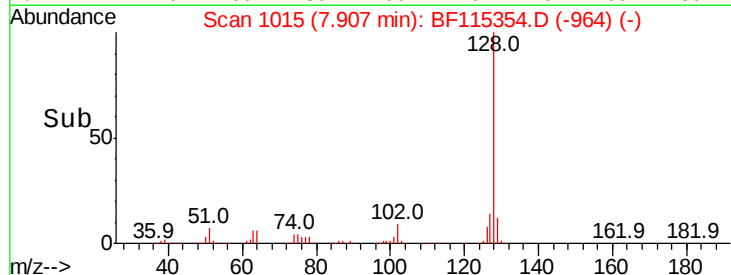
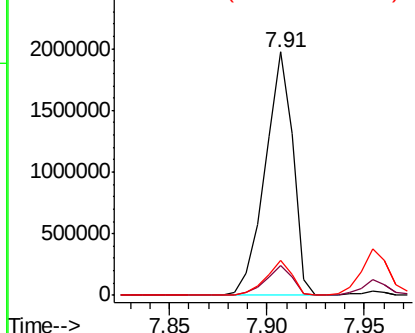
Tot Ion:128 Resp: 1940562
Ion Ratio Lower Upper
128 100
129 12.0 9.7 14.5
127 14.1 11.1 16.7

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

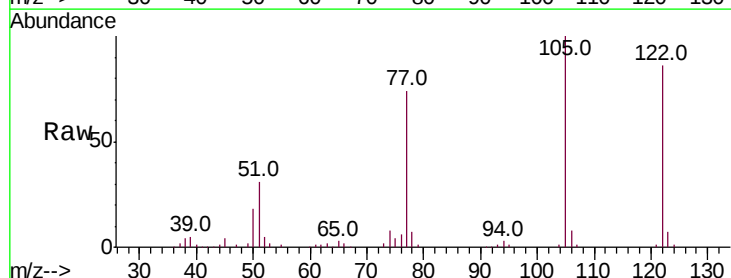


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

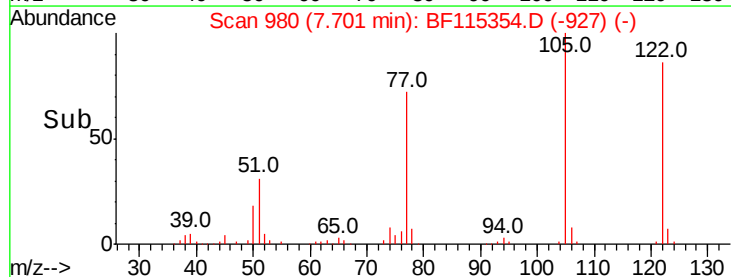
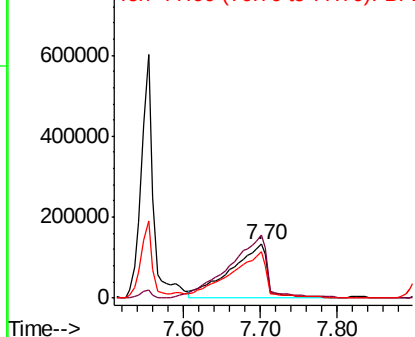


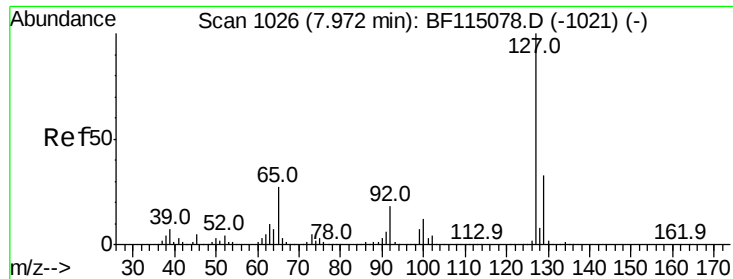
#32
Benzoic acid
Concen: 49.413 ng
RT: 7.70 min Scan# 980
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion:122 Resp: 445738
Ion Ratio Lower Upper
122 100
105 116.4 98.1 138.1
77 86.1 67.0 107.0



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





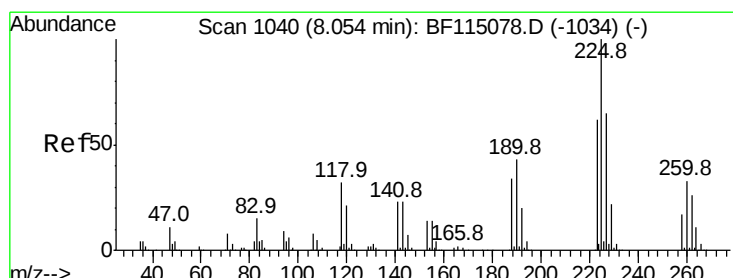
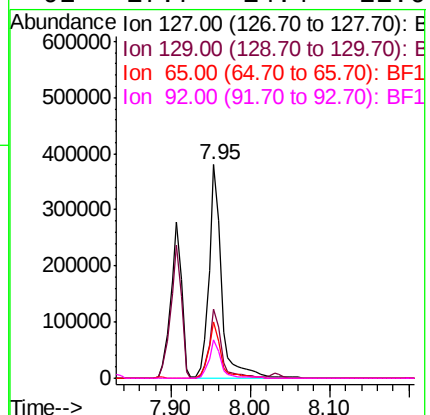
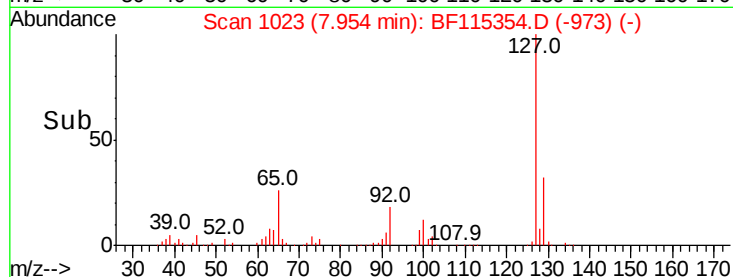
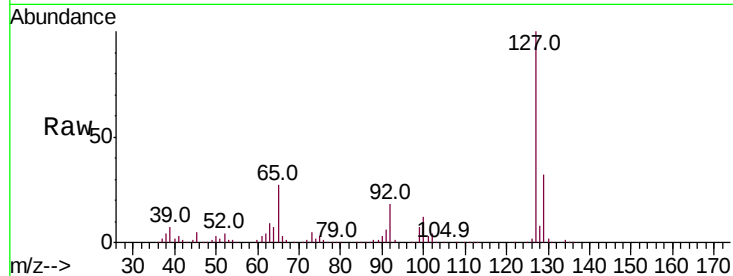
#33
4-Chloroaniline
Concen: 21.336 ng
RT: 7.95 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.3	26.0	39.0	
65	26.6	21.3	31.9	
92	17.7	14.4	21.6	

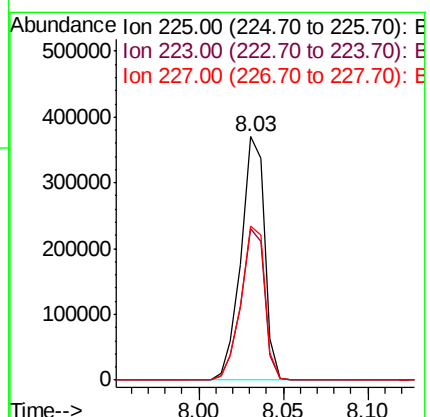
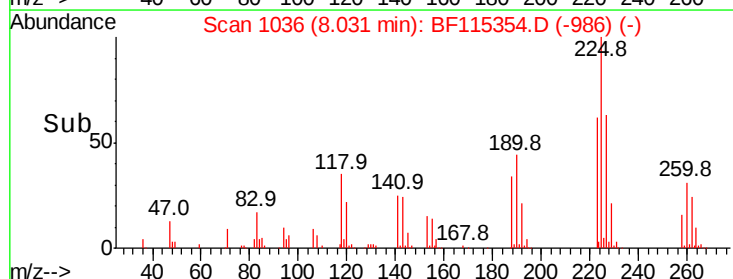
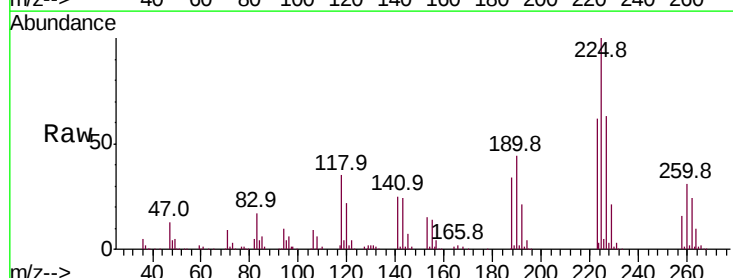
Manual Integrations
APPROVED

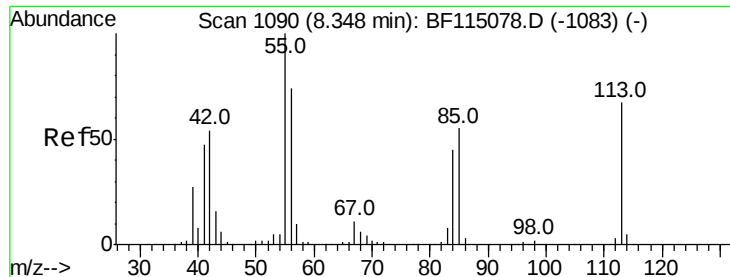
mohammad
7/3/2019 10:51:27 PM



#34
Hexachlorobutadiene
Concen: 45.753 ng
RT: 8.03 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	50.4	75.6	
227	63.1	52.3	78.5	





#35

Caprolactam

Concen: 45.679 ng/mL

RT: 8.34 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

ClientSampleId :

PB121082BS

Tot Ion:113 Resp: 200288

Ion Ratio Lower Upper

113 100

55 140.3 125.9 165.9

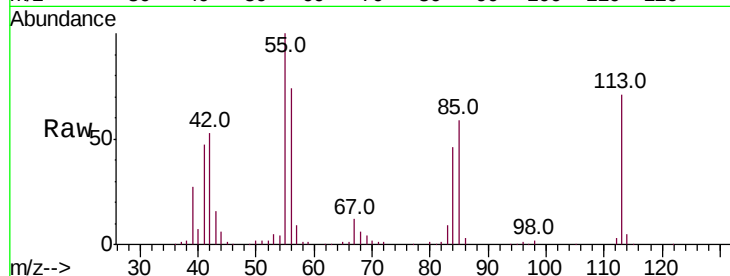
56 104.0 88.3 128.3

Manual Integrations

APPROVED

mohammad

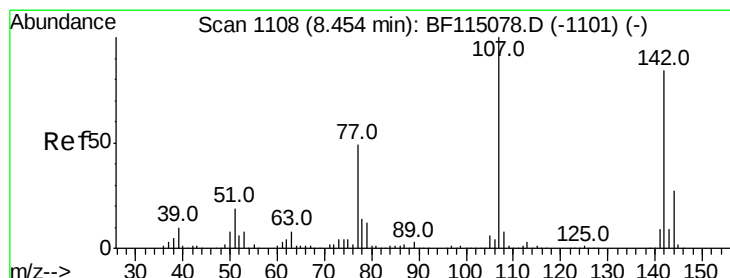
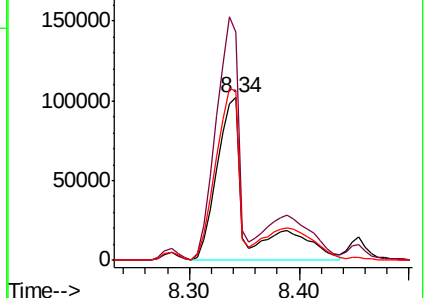
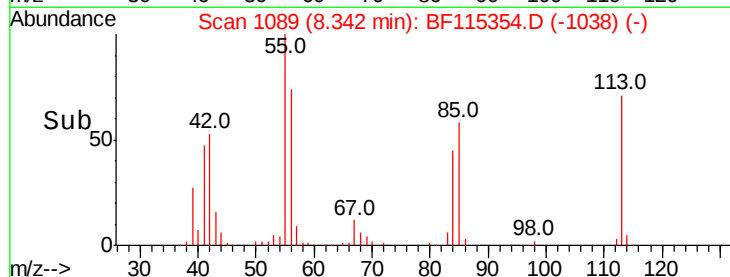
7/3/2019 10:51:27 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 46.867 ng/mL

RT: 8.45 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

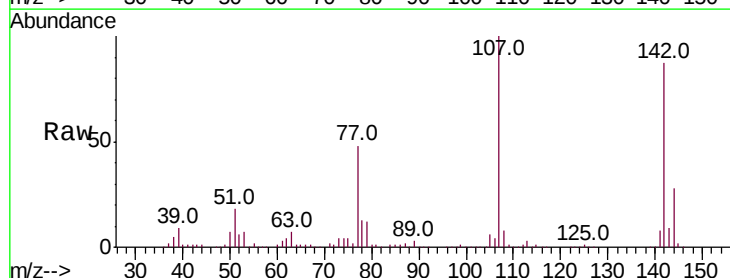
Tgt Ion:107 Resp: 619002

Ion Ratio Lower Upper

107 100

144 28.0 21.4 32.0

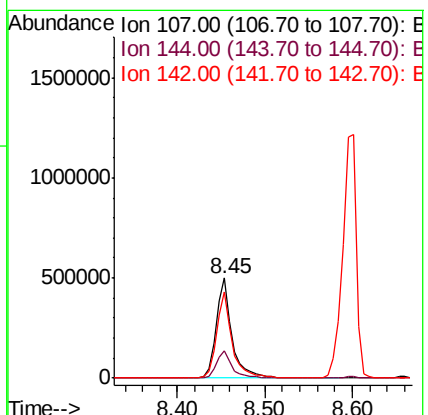
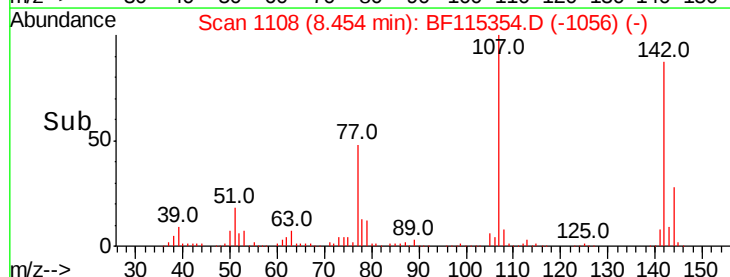
142 86.8 66.6 99.8

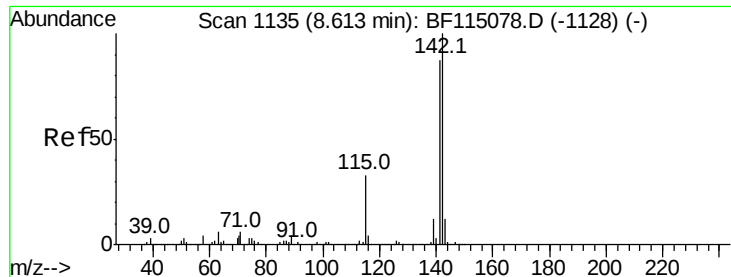


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





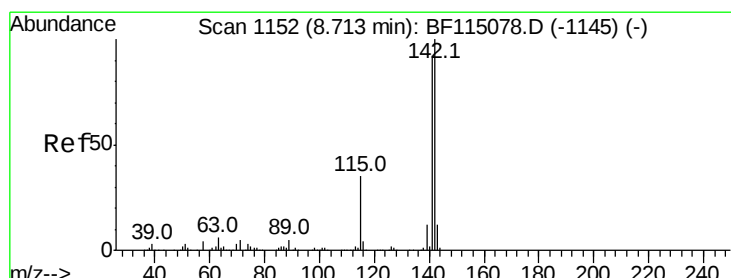
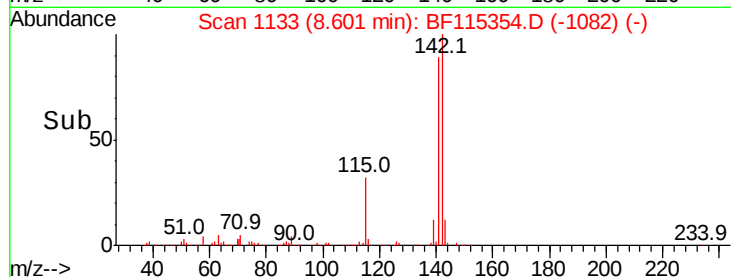
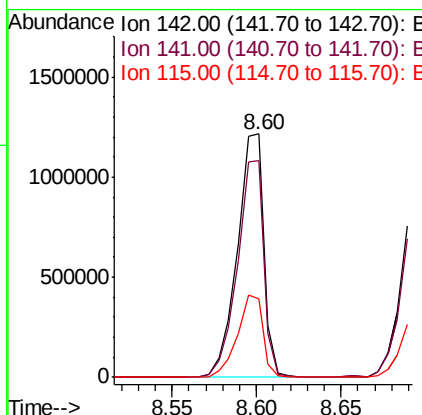
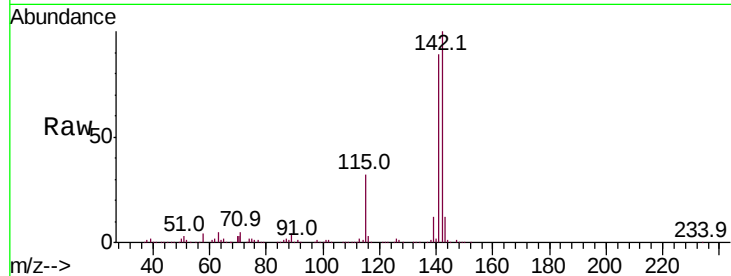
#37
2-Methylnaphthalene
Concen: 46.010 ng
RT: 8.60 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.4	105.6
115	32.5	25.9	38.9

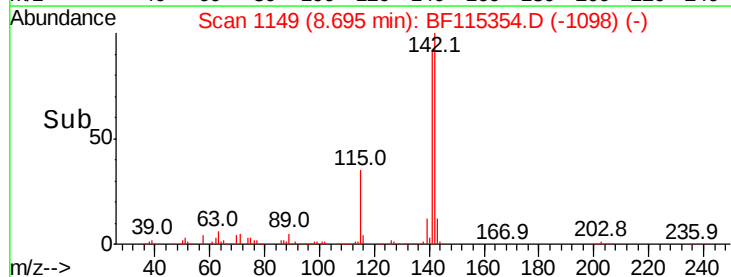
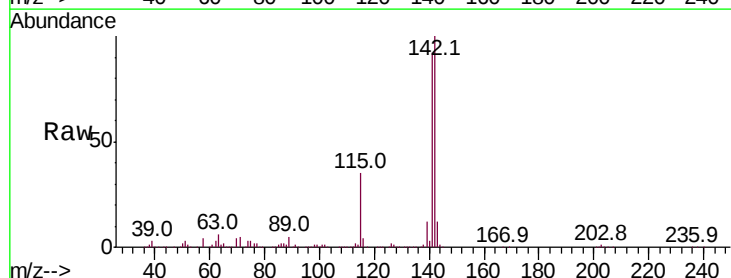
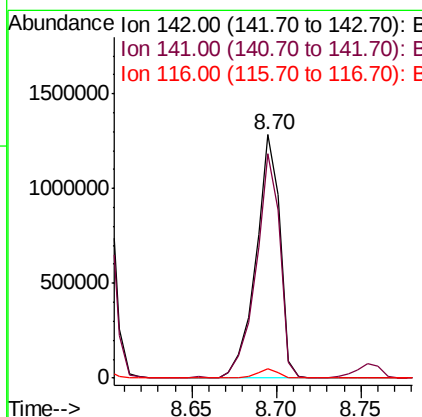
Manual Integrations
APPROVED

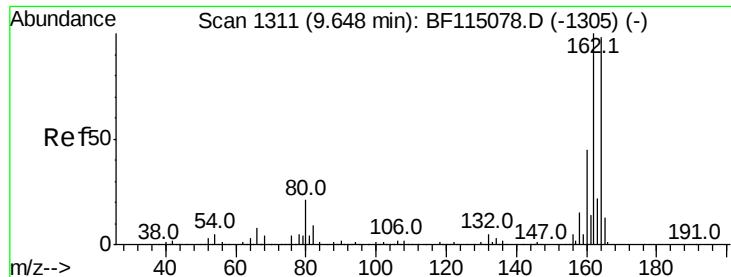
mohammad
7/3/2019 10:51:27 PM



#38
1-Methylnaphthalene
Concen: 45.791 ng
RT: 8.70 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.5	110.3
116	3.7	3.0	4.6





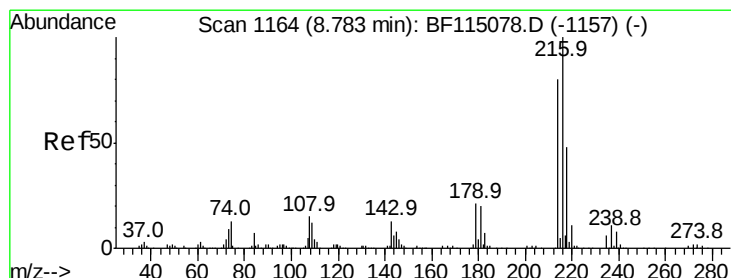
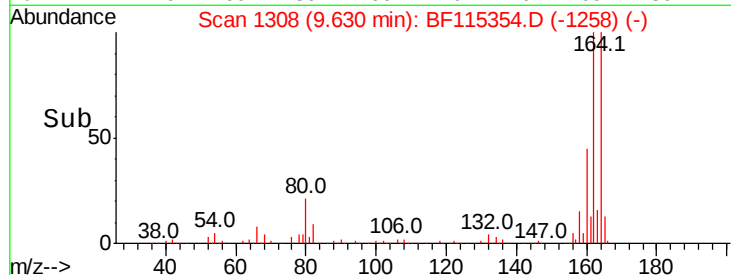
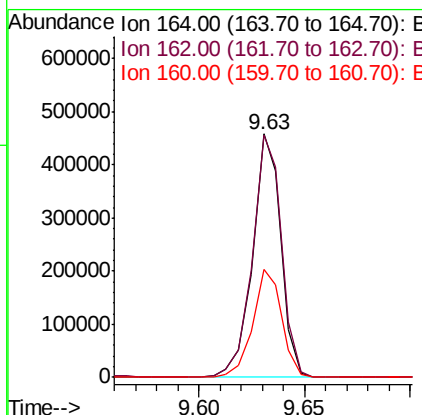
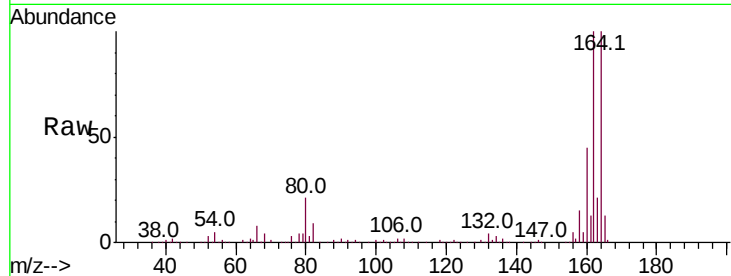
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.63 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.0	123.0
160	44.6	37.0	55.6

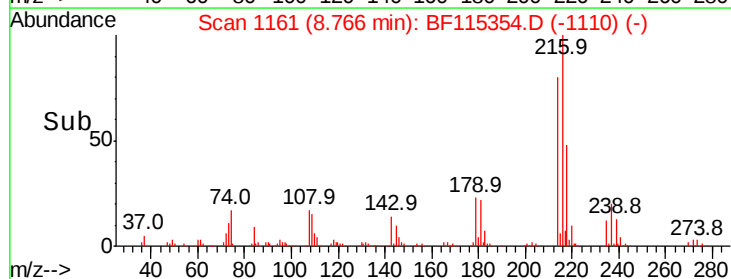
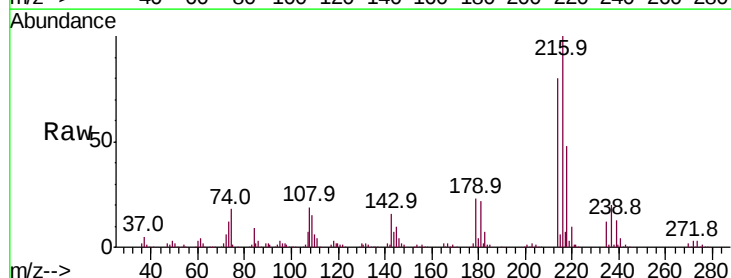
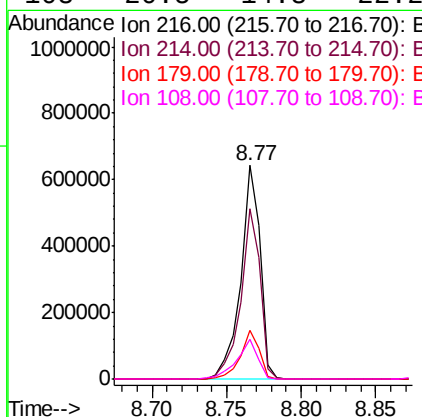
Manual Integrations
APPROVED

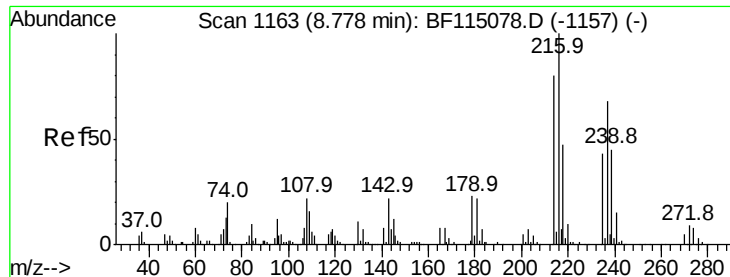
mohammad
7/3/2019 10:51:27 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.248 ng
RT: 8.77 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.9	95.9
179	22.1	17.8	26.8
108	20.5	14.8	22.2





#41

Hexachlorocyclopentadiene

Concen: 86.227 ng

RT: 8.75 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

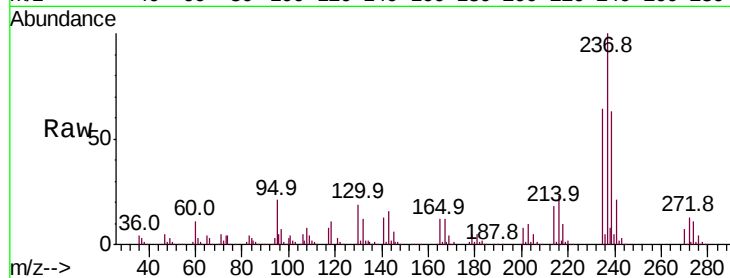
ClientSampleId :

PB121082BS

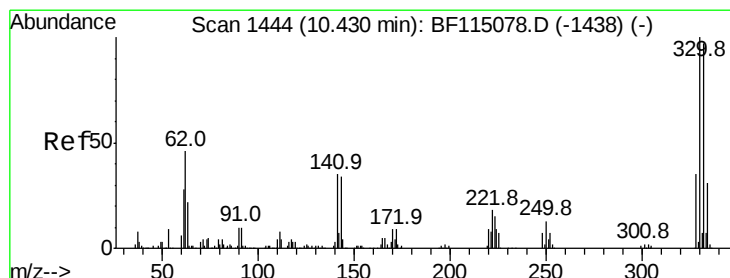
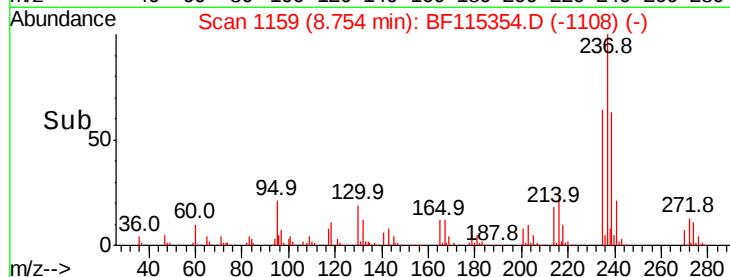
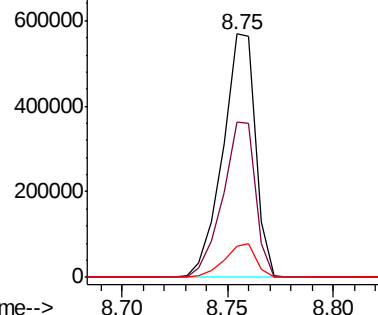
Tot Ion:	237	Resp:	616386
Ion Ratio	Lower	Upper	
237	100		
235	63.6	42.6	82.6
272	13.0	0.0	32.3

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 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: 136.246 ng

RT: 10.42 min Scan# 1443

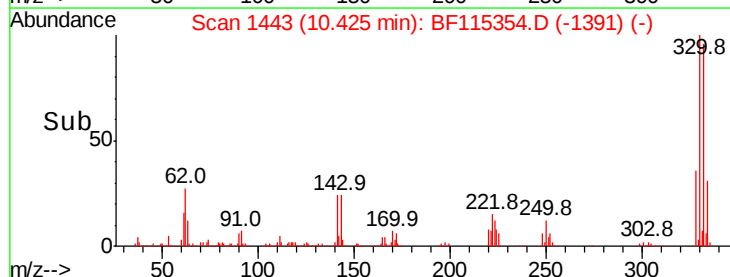
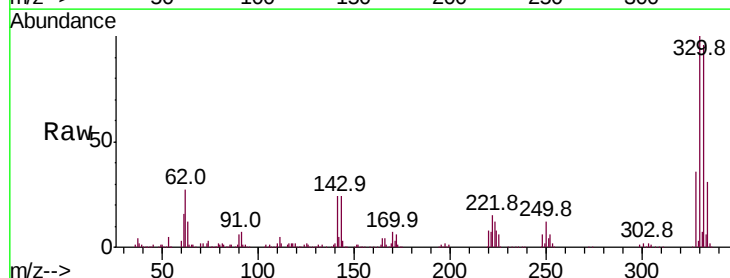
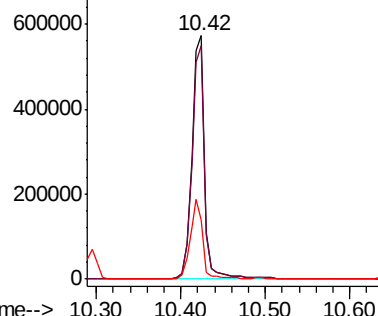
Delta R.T. 0.01 min

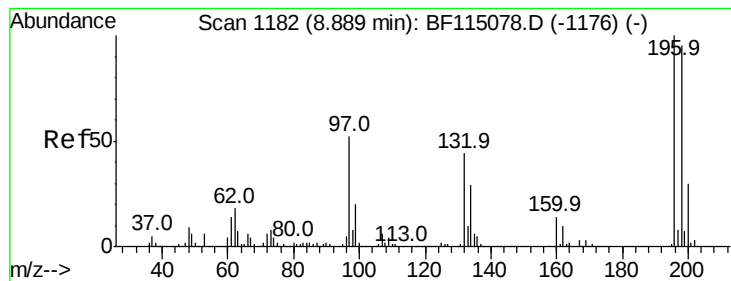
Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Tgt Ion:	330	Resp:	612945
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.0	115.6
141	32.1	25.4	38.2

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





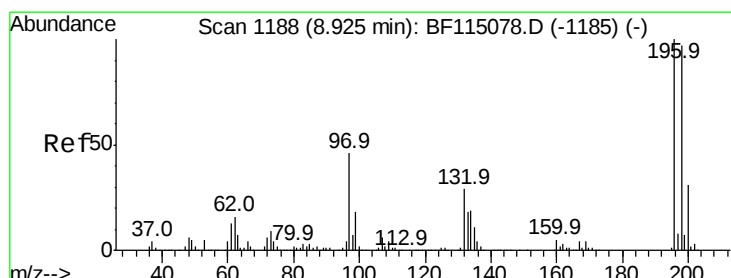
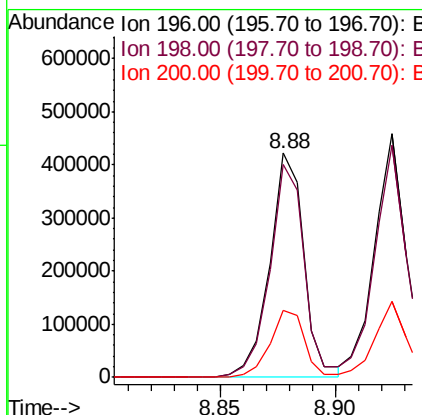
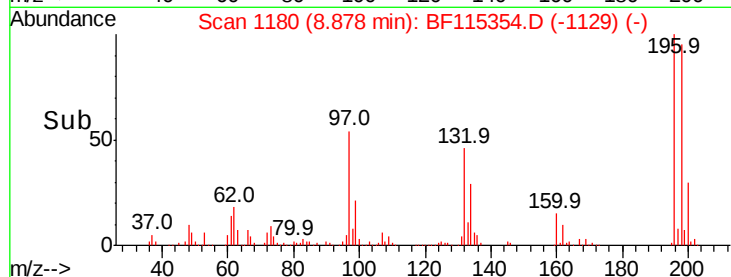
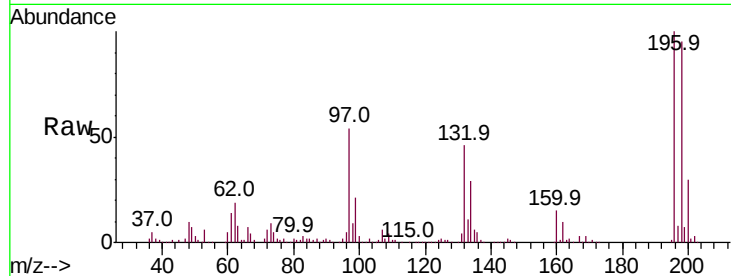
#43
 2,4,6-Trichlorophenol
 Concen: 46.591 ng
 RT: 8.88 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	433636		
198	94.8	75.6	113.4	
200	30.1	24.2	36.2	

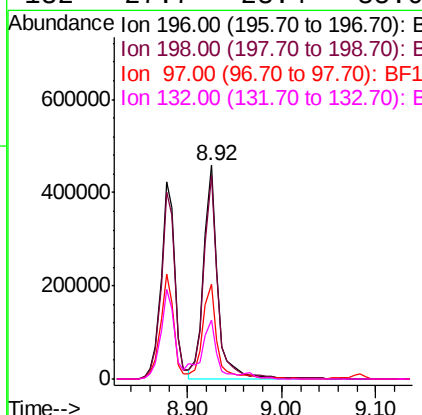
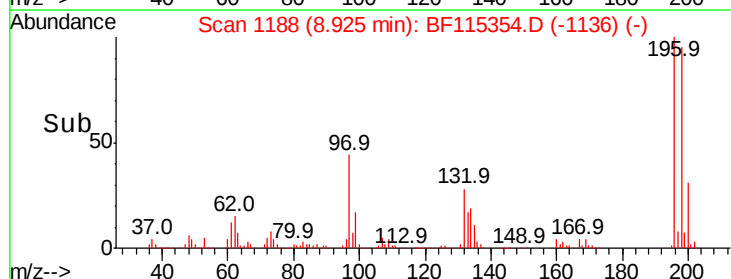
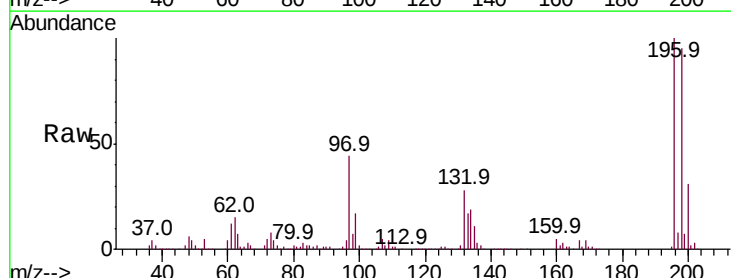
Manual Integrations
 APPROVED

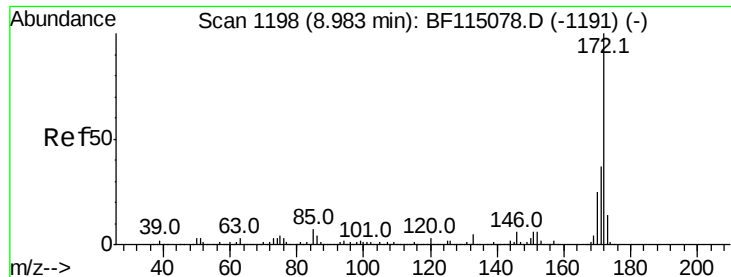
mohammad
 7/3/2019 10:51:27 PM



#44
 2,4,5-Trichlorophenol
 Concen: 49.844 ng
 RT: 8.92 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	477738		
198	95.1	75.4	113.0	
97	44.1	37.5	56.3	
132	27.7	23.4	35.0	





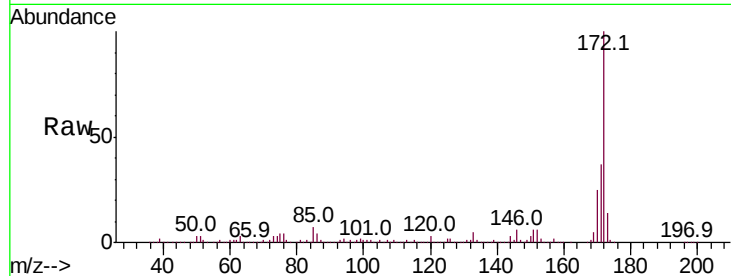
#45
2-Fluorobiphenyl
Concen: 95.395 ng
RT: 8.97 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

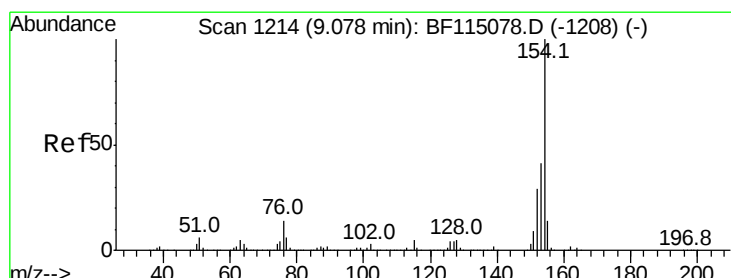
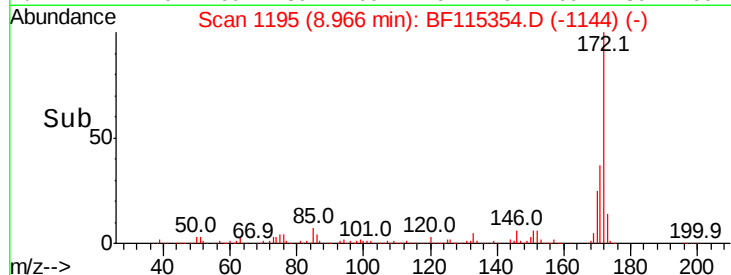
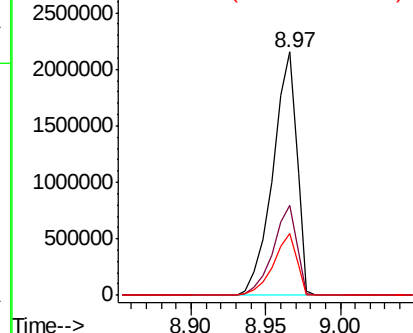
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.8	44.8
170	25.3	20.2	30.4

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

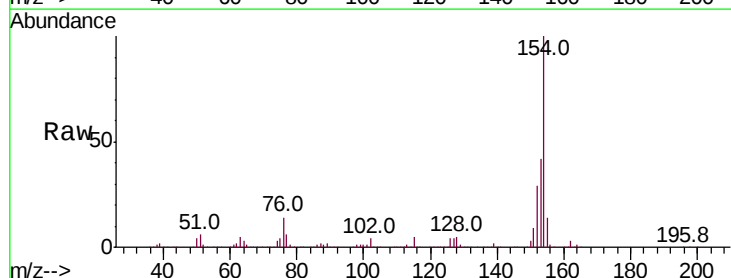


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

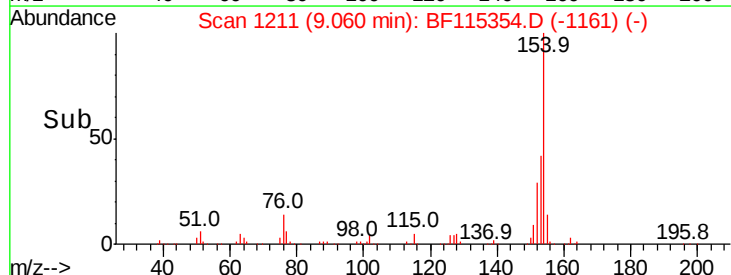
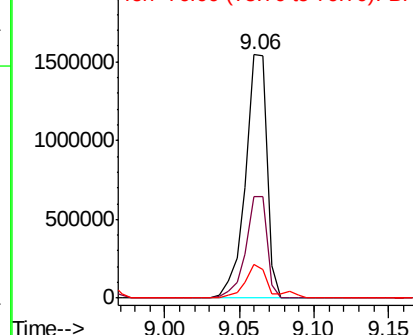


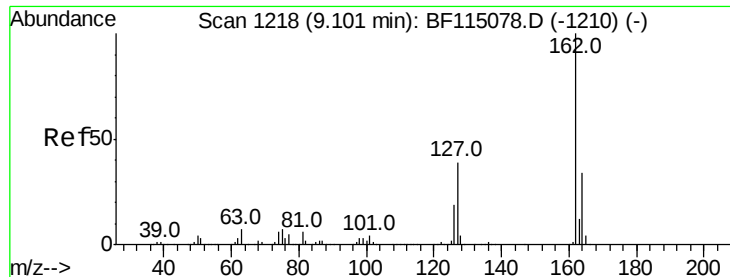
#46
1,1'-Biphenyl
Concen: 45.345 ng
RT: 9.06 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.3	61.3
76	13.7	0.0	32.1



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





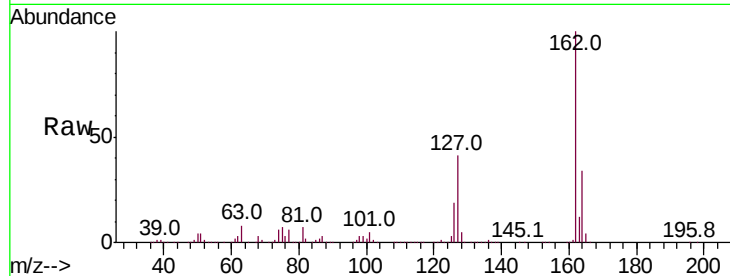
#47
2-Chloronaphthalene
Concen: 45.461 ng
RT: 9.08 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

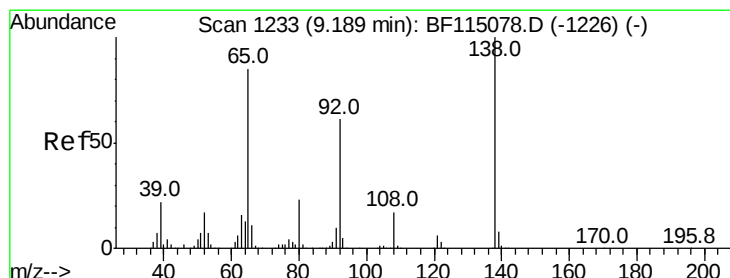
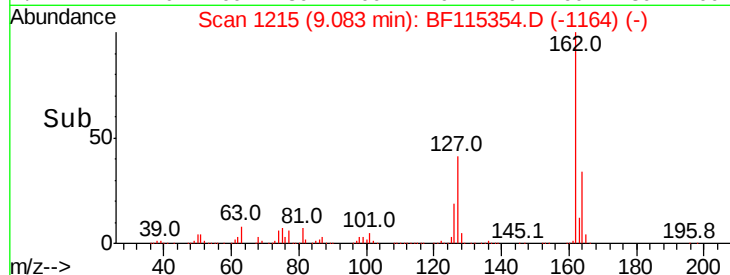
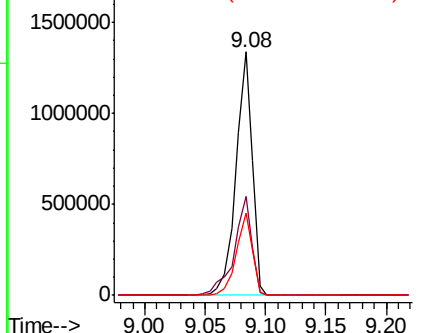
Tot Ion	162	Resp	1258765
Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.5	48.7
164	33.6	26.7	40.1

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

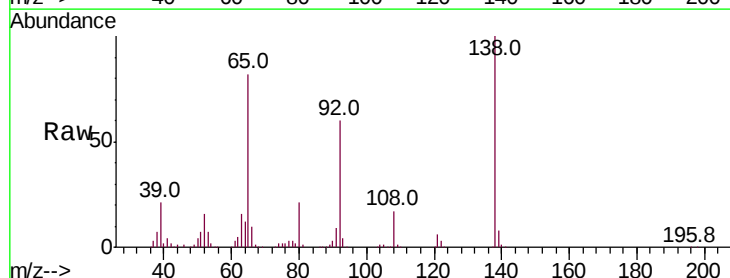


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

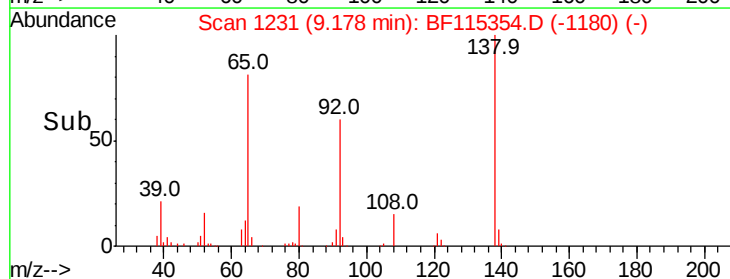
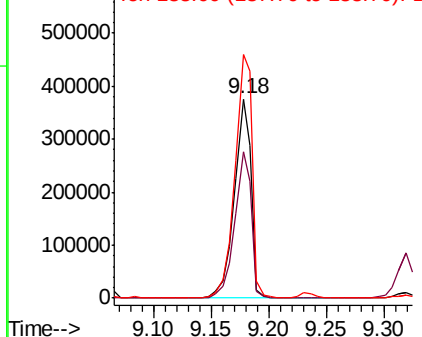


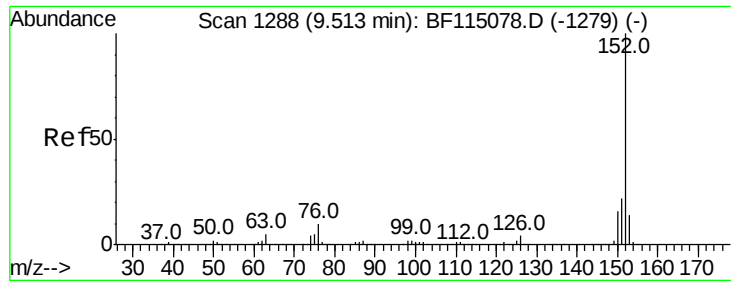
#48
2-Nitroaniline
Concen: 46.411 ng
RT: 9.18 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	65	Resp	374653
Ion	Ratio	Lower	Upper
65	100		
92	73.7	58.7	88.1
138	122.4	97.0	145.6



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





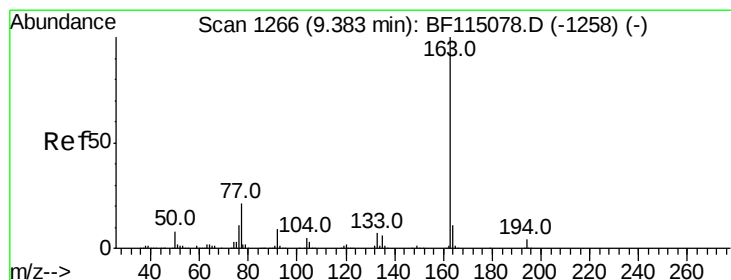
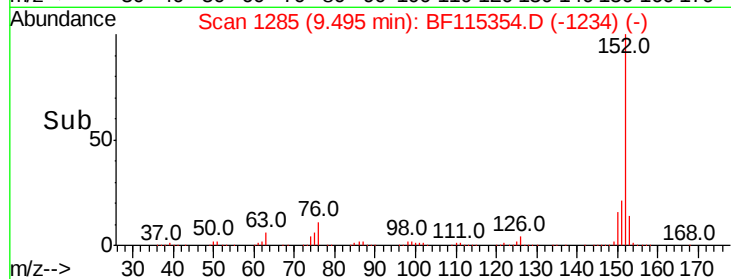
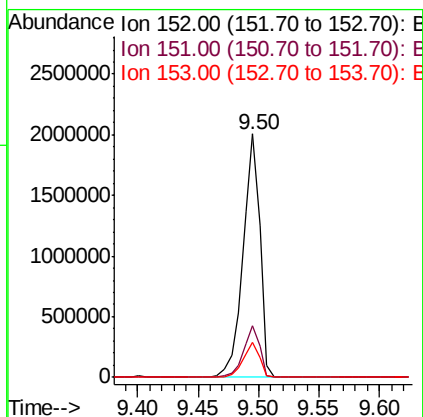
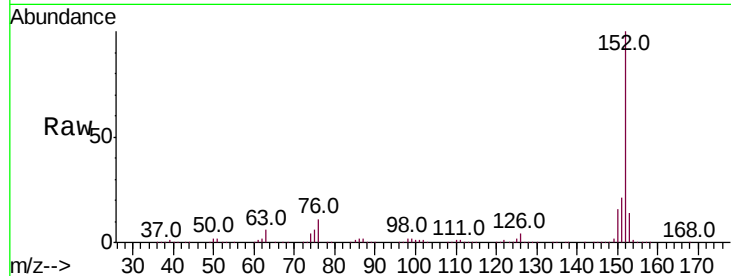
#49
Acenaphthylene
Concen: 45.108 ng
RT: 9.50 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.3	25.9
153	14.2	11.4	17.2

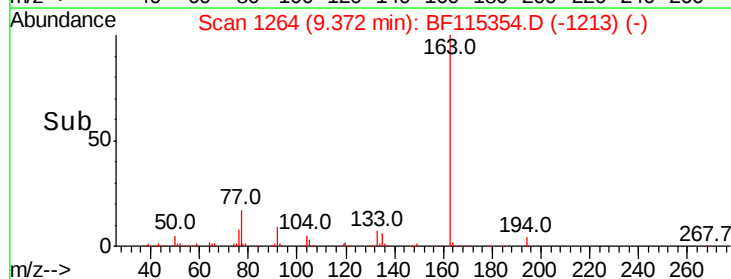
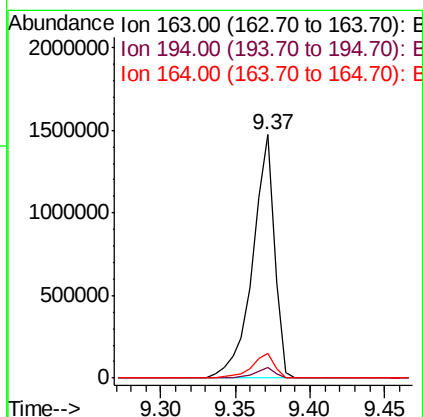
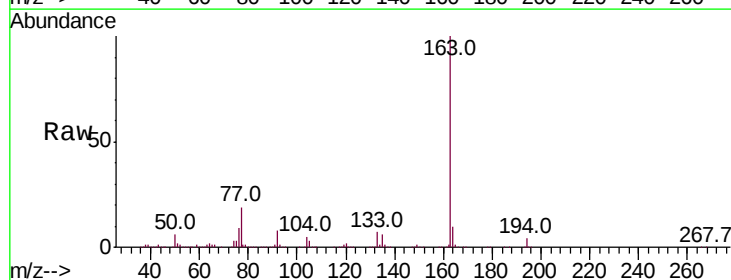
Manual Integrations
APPROVED

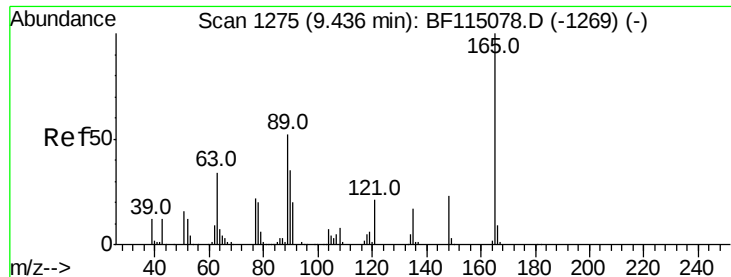
mohammad
7/3/2019 10:51:27 PM



#50
Dimethylphthalate
Concen: 47.266 ng
RT: 9.37 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.4	8.0	12.0





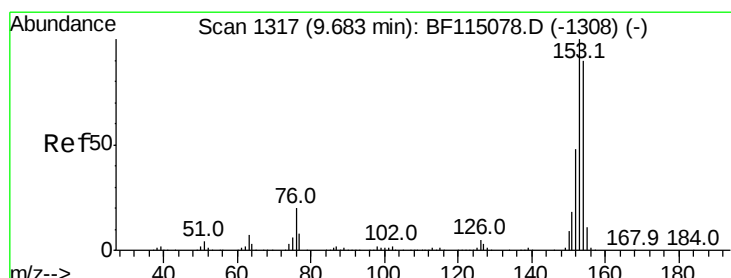
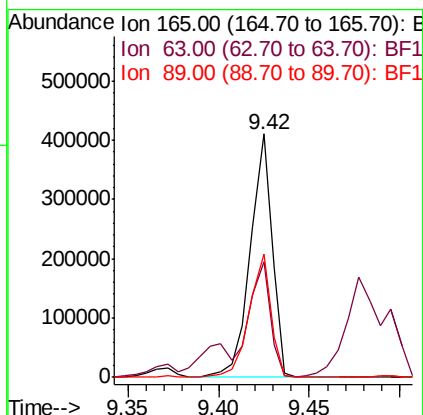
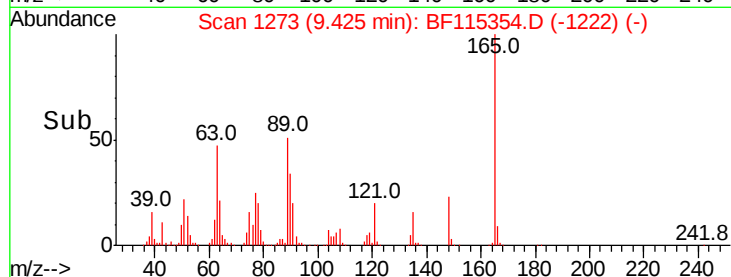
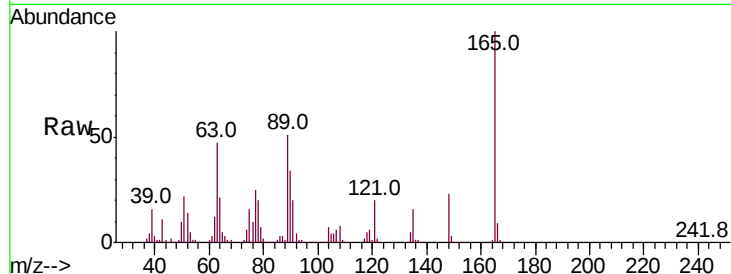
#51
2,6-Dinitrotoluene
Concen: 47.856 ng
RT: 9.42 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.5	37.0	55.4
89	50.8	40.4	60.6

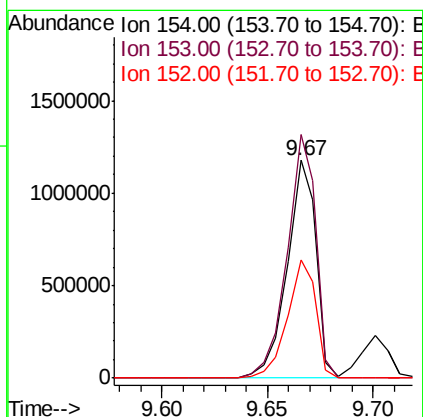
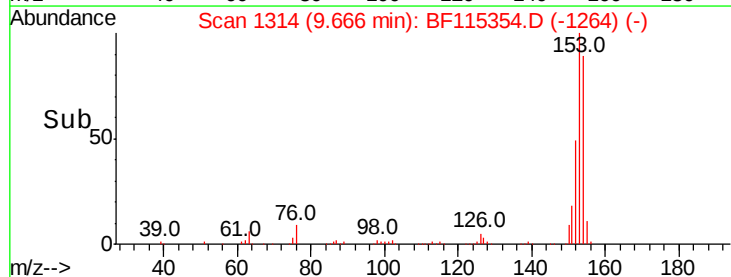
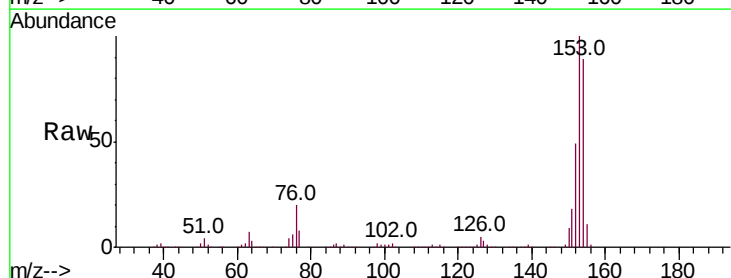
Manual Integrations
APPROVED

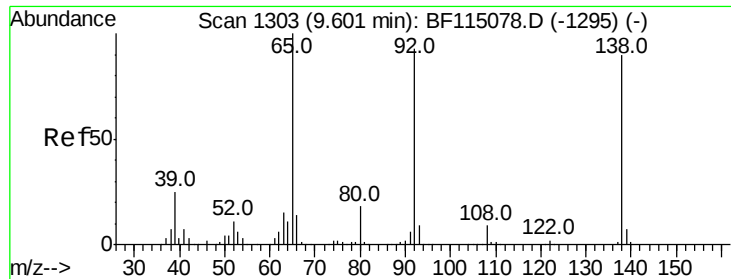
mohammad
7/3/2019 10:51:27 PM



#52
Acenaphthene
Concen: 41.671 ng
RT: 9.67 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.6
152	54.3	43.4	65.0





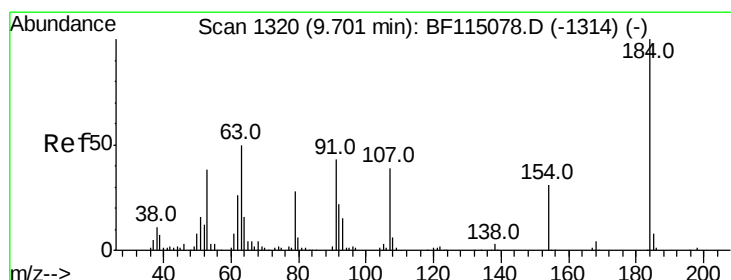
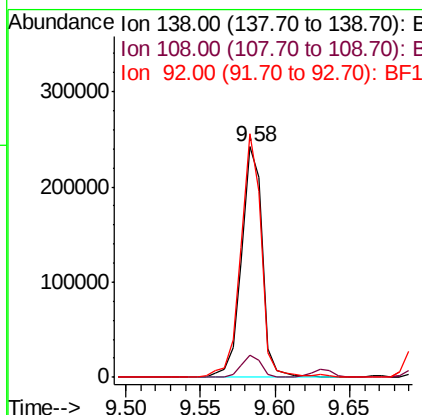
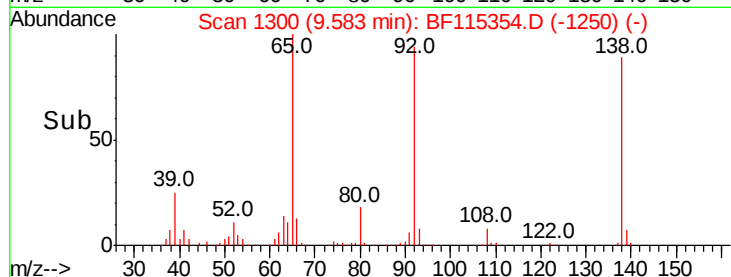
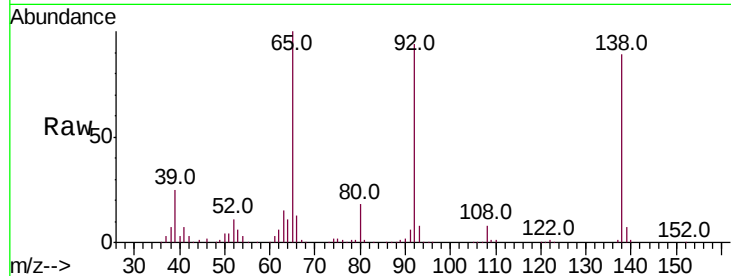
#53
 3-Nitroaniline
 Concen: 26.519 ng
 RT: 9.58 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.8	11.6
92	105.6	82.9	124.3

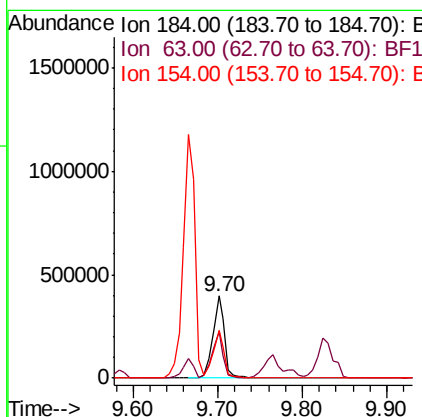
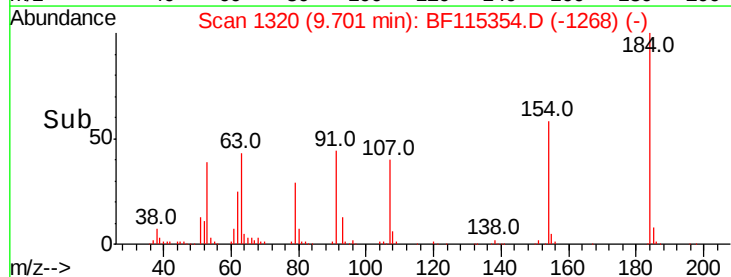
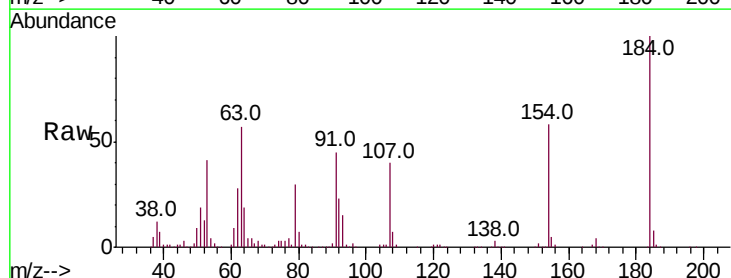
Manual Integrations
 APPROVED

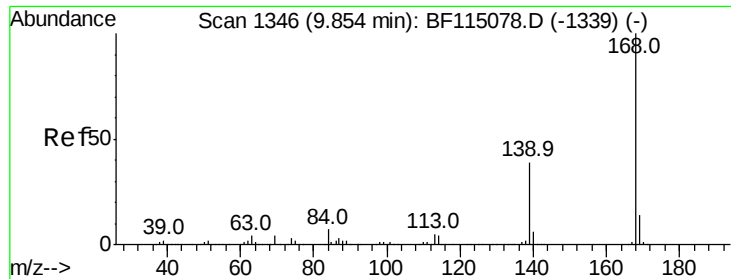
mohammad
 7/3/2019 10:51:27 PM



#54
 2,4-Dinitrophenol
 Concen: 104.123 ng
 RT: 9.70 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.6	49.4	74.0
154	58.4	47.5	71.3





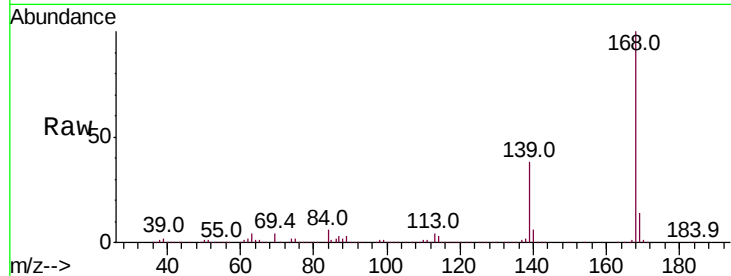
#55
Dibenzofuran
Concen: 43.372 ng
RT: 9.84 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleID :
PB121082BS

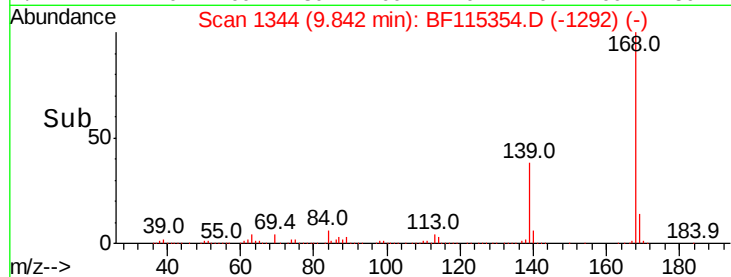
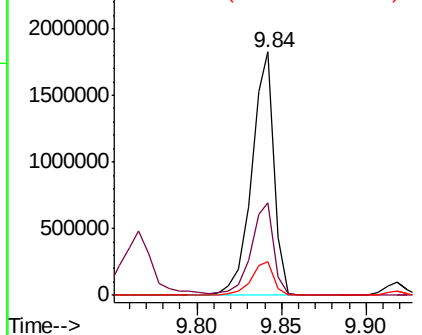
Tot Ion:168 Resp: 1680462
Ion Ratio Lower Upper
168 100
139 38.1 31.4 47.2
169 13.9 11.5 17.3

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM



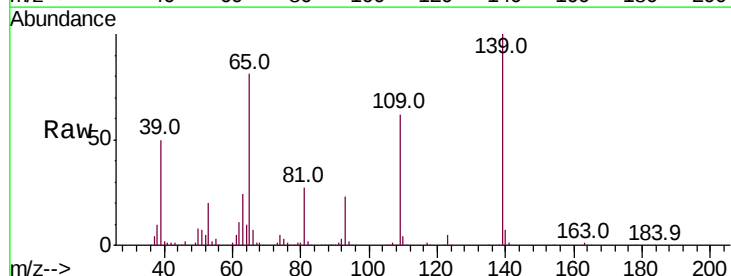
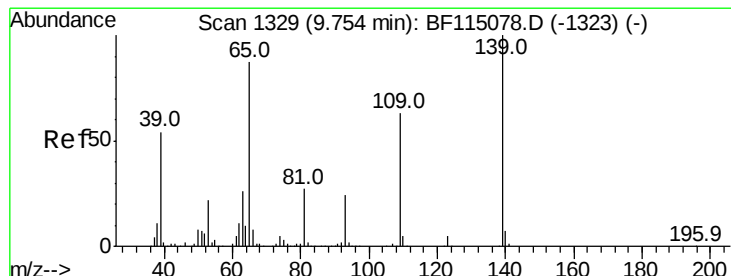
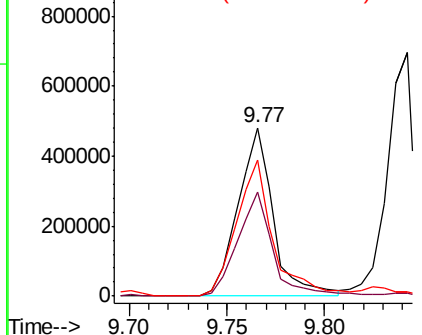
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

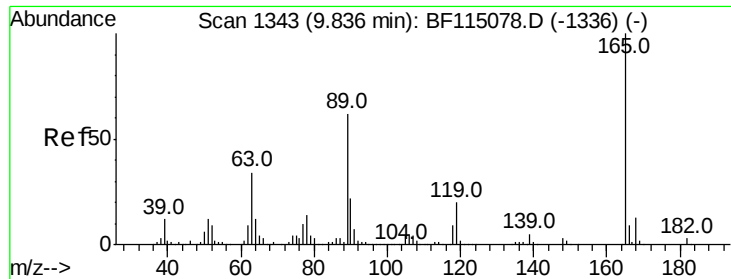


#56
4-Nitrophenol
Concen: 85.064 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion:139 Resp: 603049
Ion Ratio Lower Upper
139 100
109 61.9 38.6 78.6
65 80.5 54.7 94.7

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





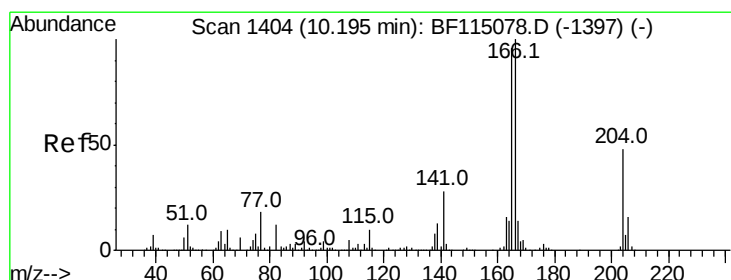
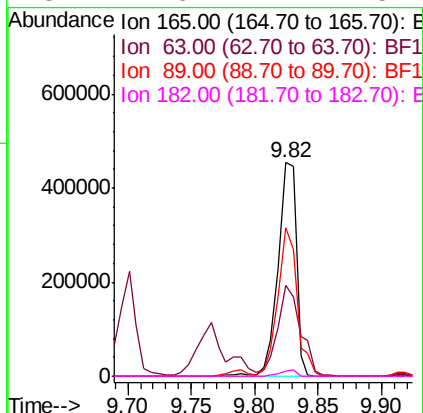
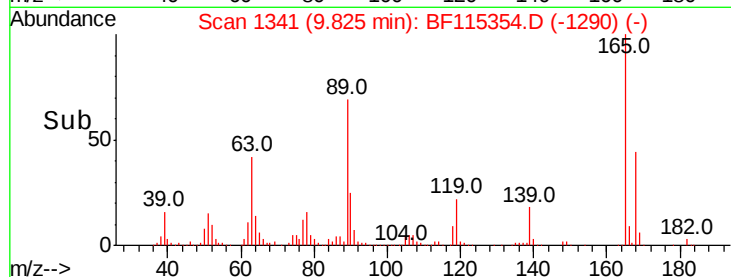
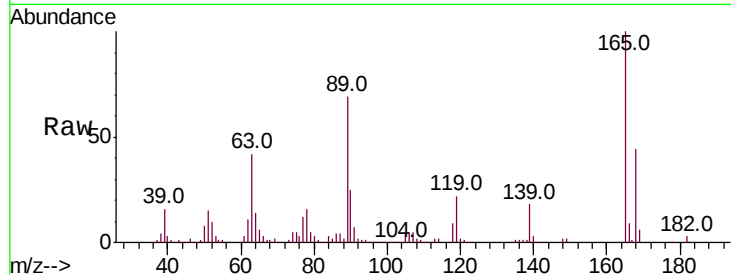
#57
2,4-Dinitrotoluene
Concen: 48.499 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	453777		
63	42.4	31.2	46.8	
89	69.5	52.8	79.2	
182	2.6	2.2	3.2	

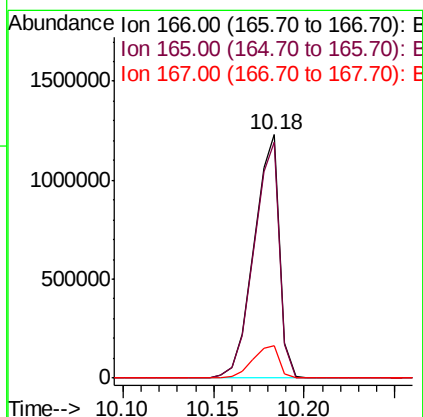
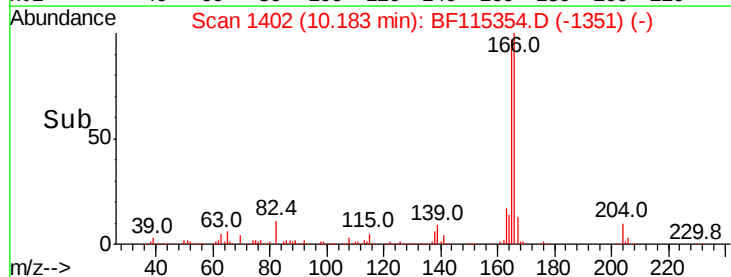
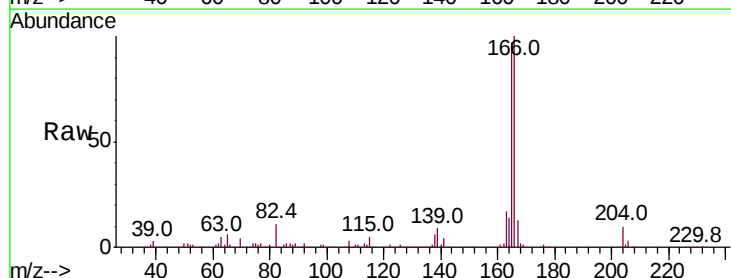
Manual Integrations
APPROVED

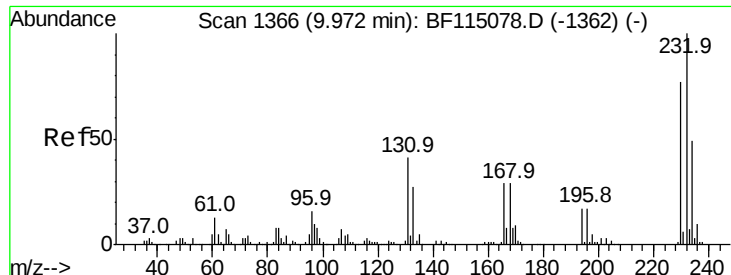
mohammad
7/3/2019 10:51:27 PM



#58
Fluorene
Concen: 46.520 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1194303		
165	96.9	78.5	117.7	
167	13.4	10.5	15.7	





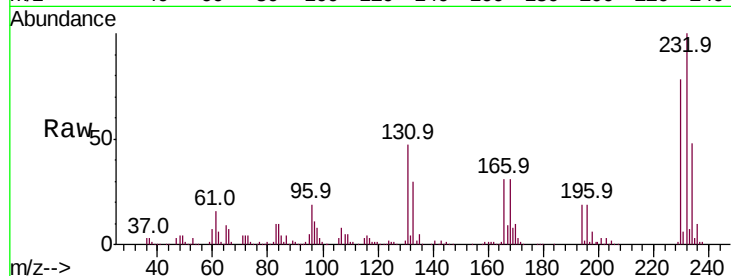
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 52.823 ng
 RT: 9.96 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

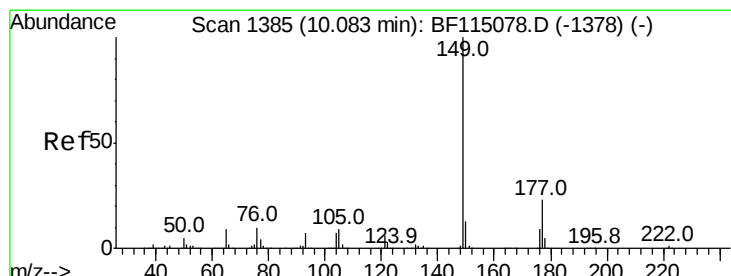
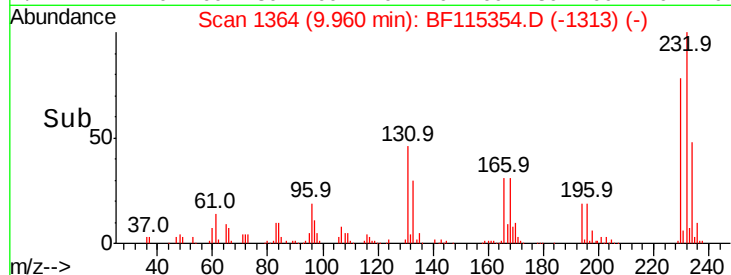
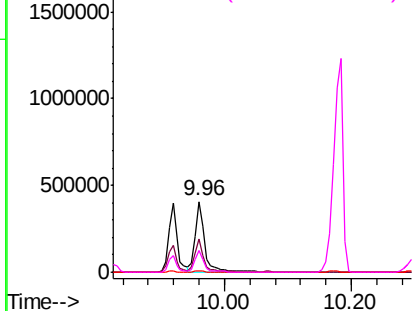
Tot Ion	Ratio	Lower	Upper
232	100		
131	42.5	35.0	52.6
130	2.1	1.7	2.5
166	28.3	22.7	34.1

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:51:27 PM



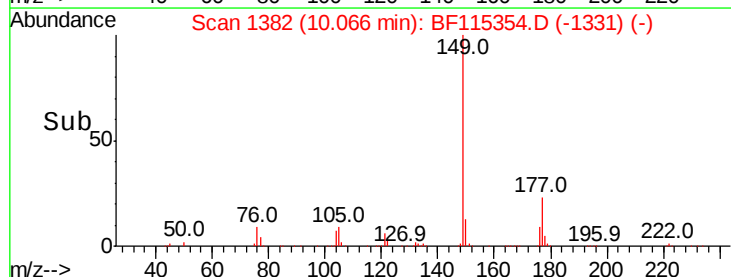
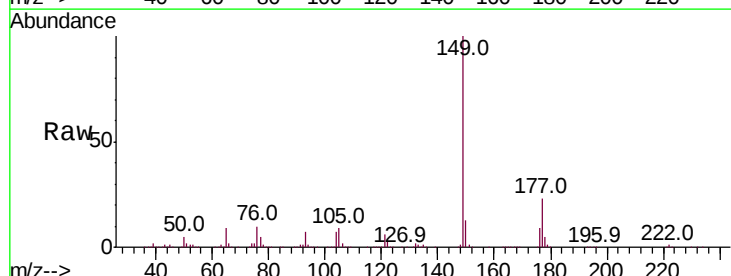
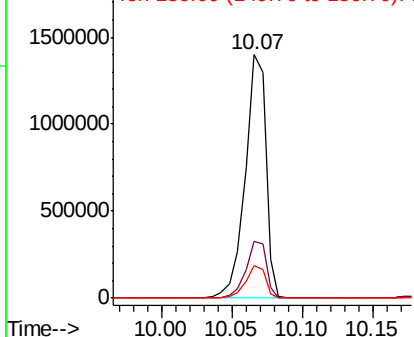
Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

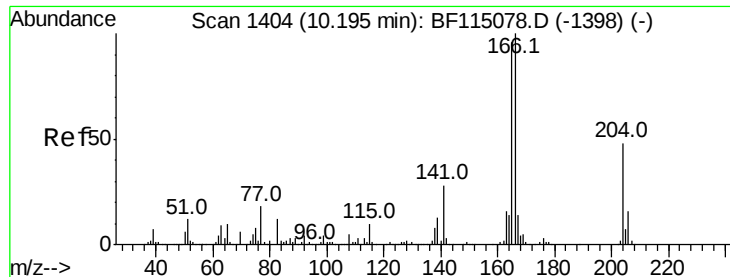


#60
 Diethylphthalate
 Concen: 45.656 ng
 RT: 10.07 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	19.1	28.7
150	13.3	10.2	15.2

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





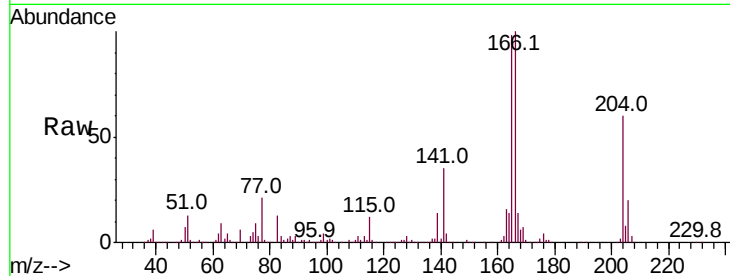
#61
4-Chlorophenyl-phenylether
Concen: 48.118 ng
RT: 10.18 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

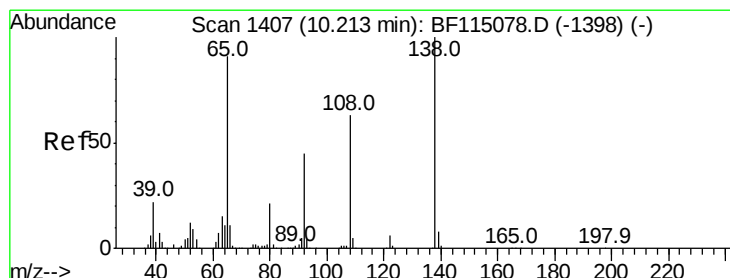
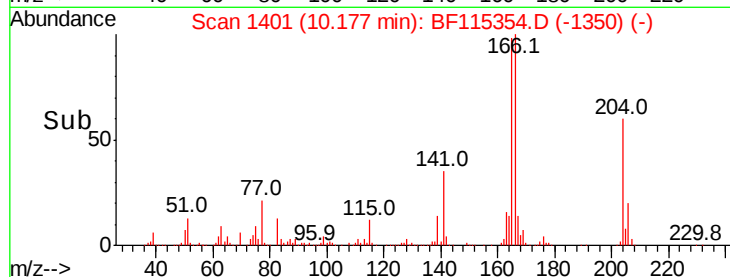
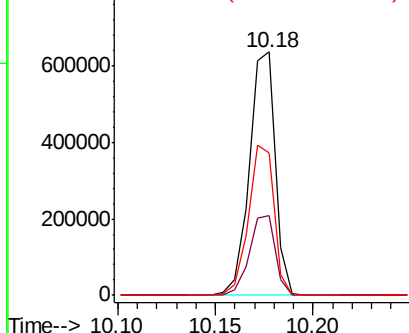
Tot Ion:204 Resp: 584096
Ion Ratio Lower Upper
204 100
206 32.9 26.5 39.7
141 58.7 47.0 70.4

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

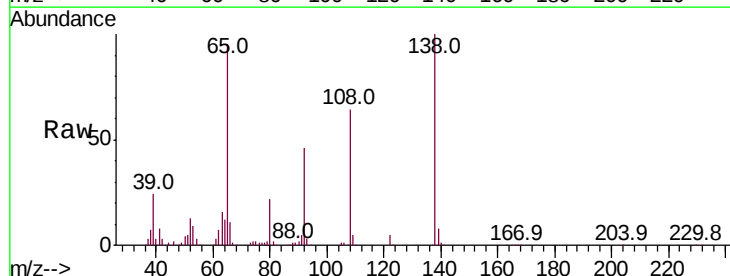


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

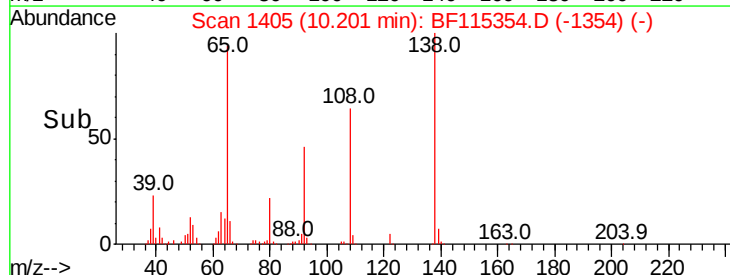
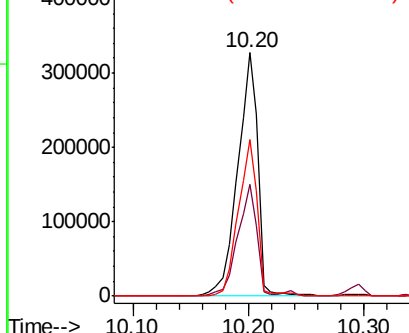


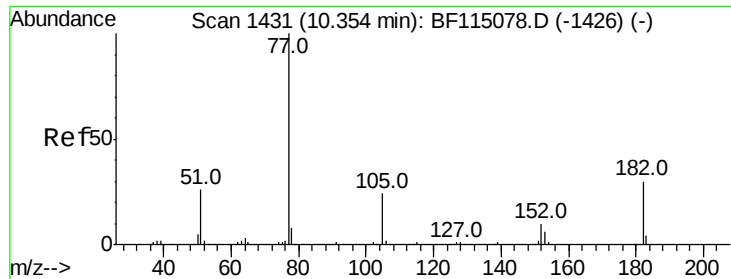
#62
4-Nitroaniline
Concen: 44.383 ng
RT: 10.20 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion:138 Resp: 393731
Ion Ratio Lower Upper
138 100
92 46.1 22.1 62.1
108 64.1 41.9 81.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





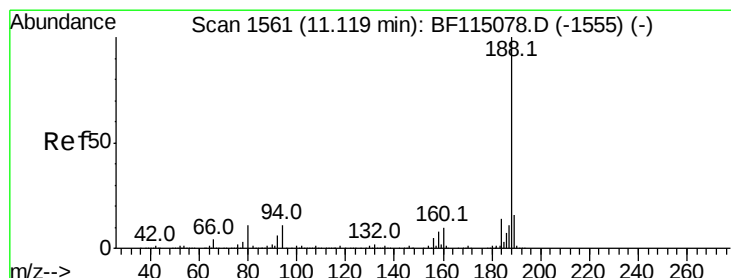
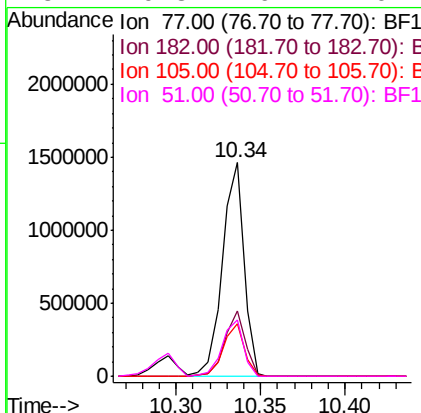
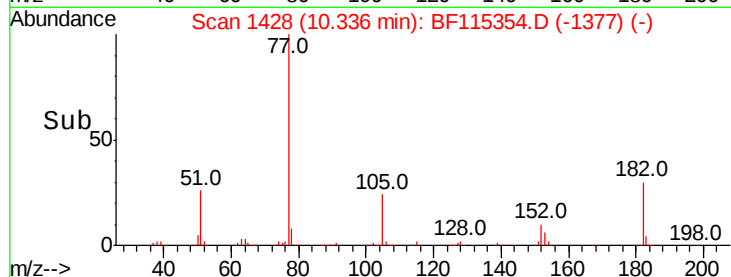
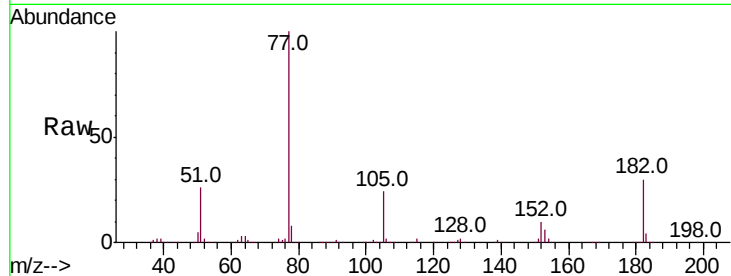
#63
Azobenzene
Concen: 43.971 ng
RT: 10.34 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion: 77 Resp: 1295796
Ion Ratio Lower Upper
77 100
182 30.3 10.2 50.2
105 24.4 4.5 44.5
51 26.3 6.2 46.2

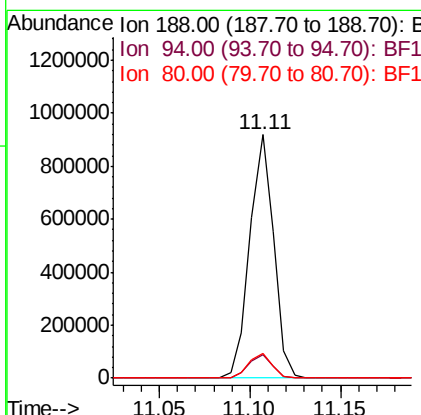
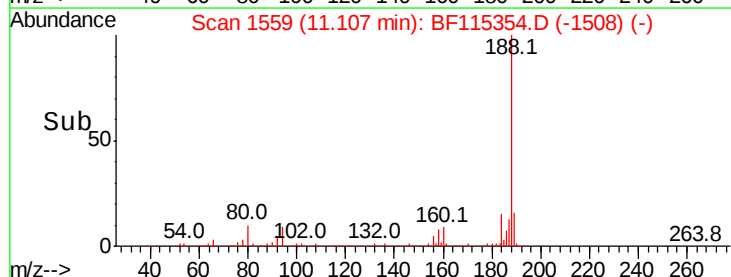
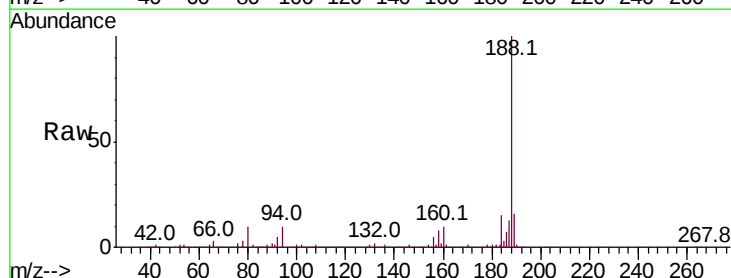
Manual Integrations
APPROVED

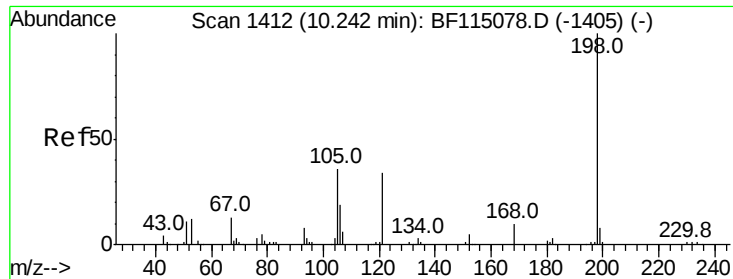
mohammad
7/3/2019 10:51:27 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion: 188 Resp: 843675
Ion Ratio Lower Upper
188 100
94 9.7 7.6 11.4
80 10.3 7.9 11.9





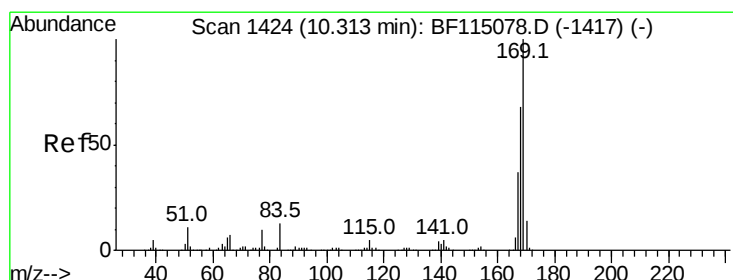
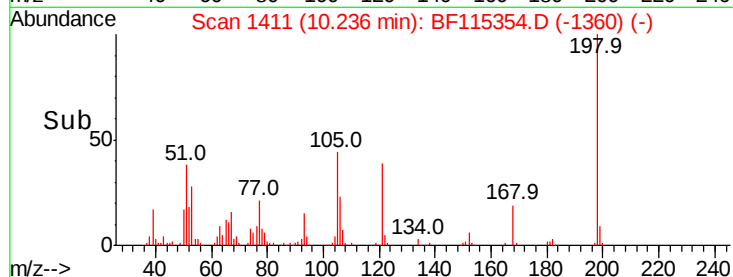
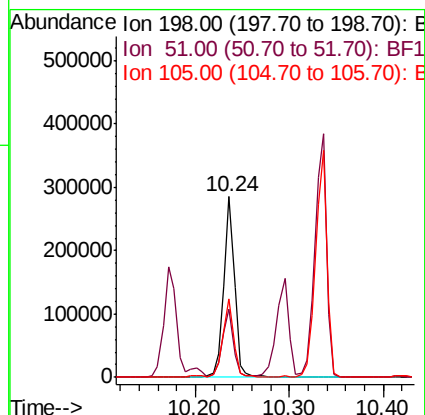
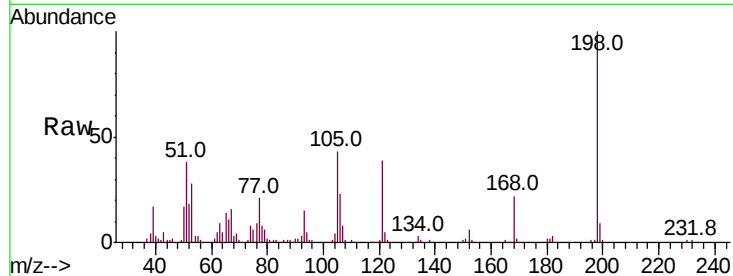
#65
4,6-Dinitro-2-methylphenol
Concen: 51.521 ng
RT: 10.24 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
198	100		
51	38.2	13.4	53.4
105	43.4	19.8	59.8

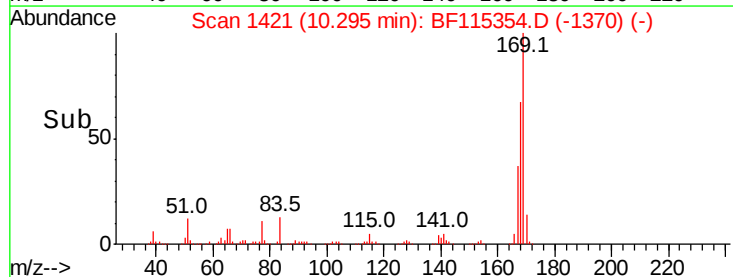
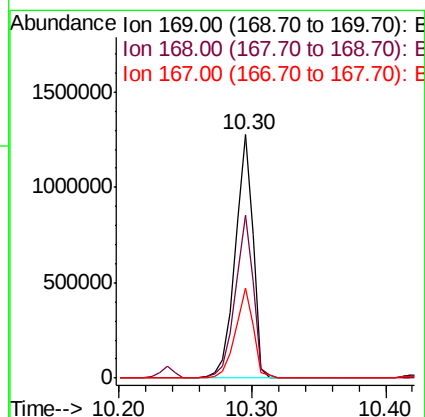
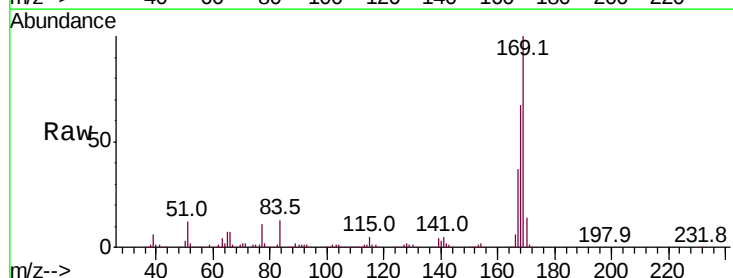
Manual Integrations
APPROVED

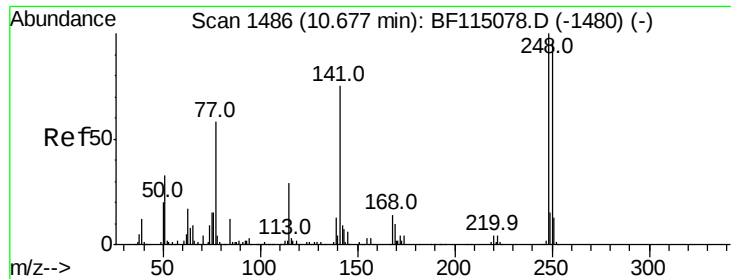
mohammad
7/3/2019 10:51:27 PM



#66
n-Nitrosodiphenylamine
Concen: 45.722 ng
RT: 10.30 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.1	54.2	81.4
167	37.2	29.9	44.9





#67

4-Bromophenyl-phenylether

Concen: 46.264 ng

RT: 10.66 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

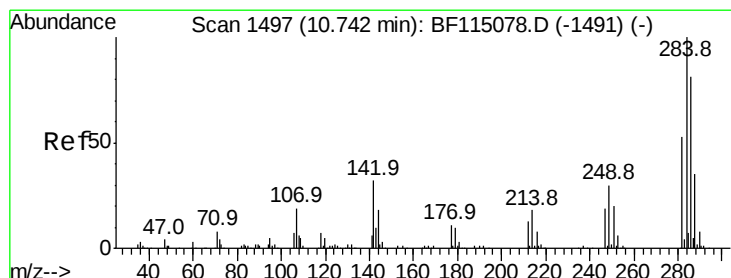
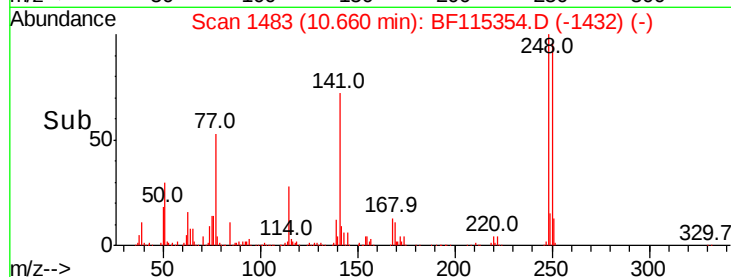
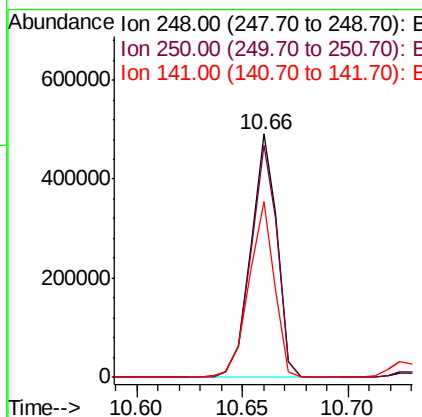
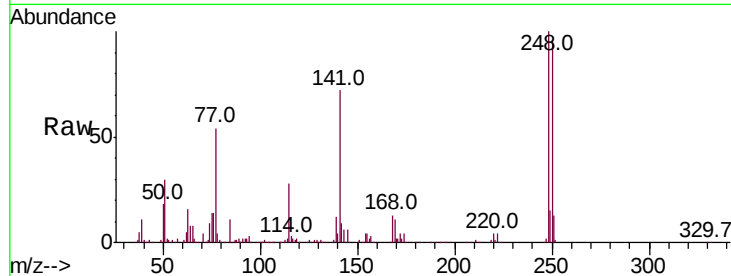
ClientSampleId :

PB121082BS

Tot Ion:	248	Resp:	423181
Ion Ratio	Lower	Upper	
248	100		
250	95.5	78.3	117.5
141	72.3	59.1	88.7

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM



#68

Hexachlorobenzene

Concen: 46.176 ng

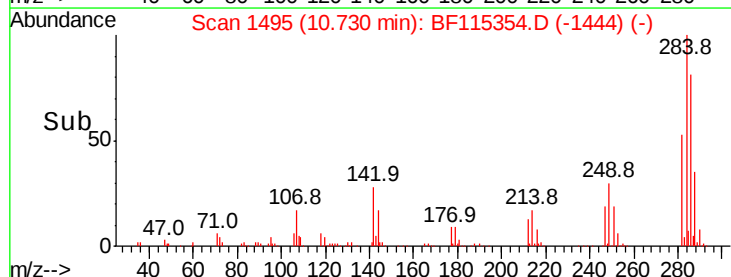
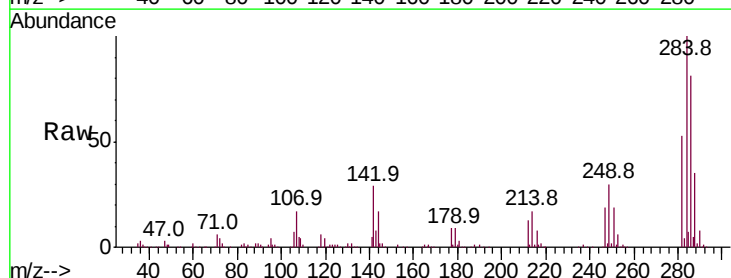
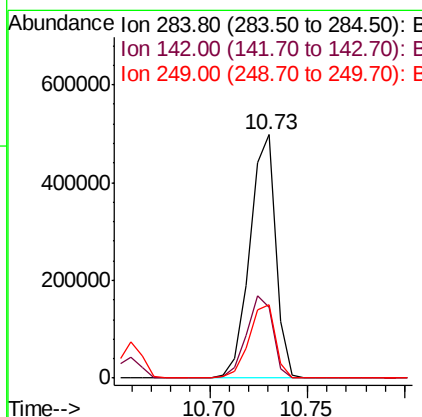
RT: 10.73 min Scan# 1495

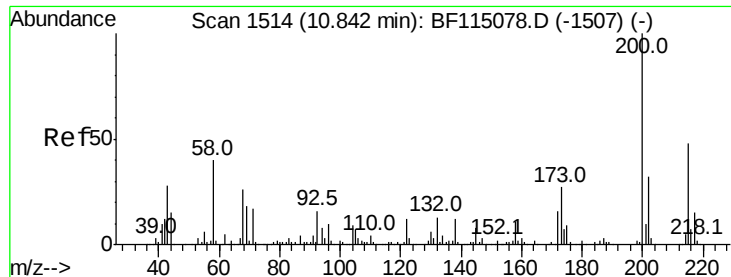
Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Tgt Ion:	284	Resp:	458471
Ion Ratio	Lower	Upper	
284	100		
142	28.9	24.2	36.2
249	30.1	24.2	36.4





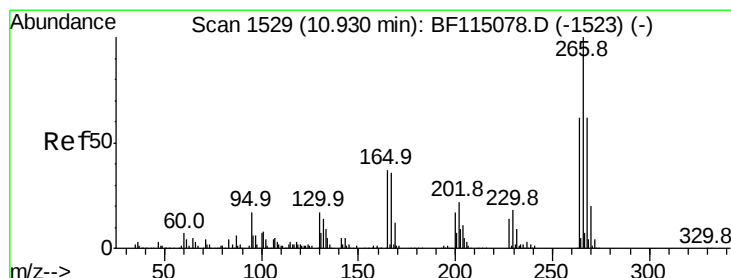
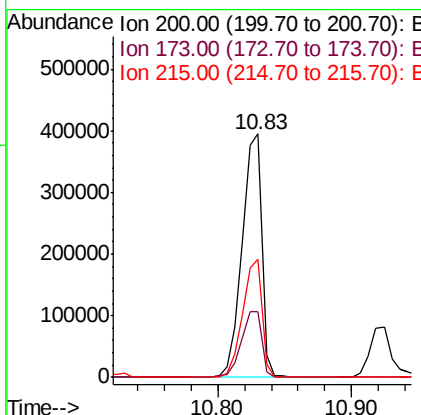
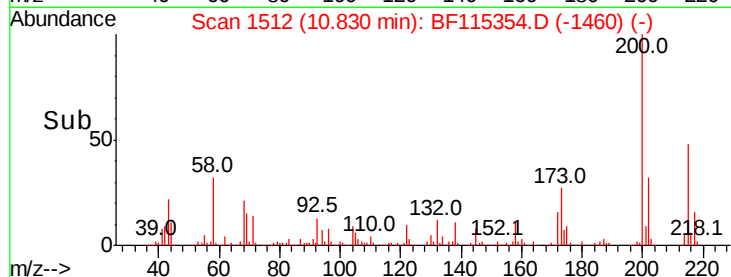
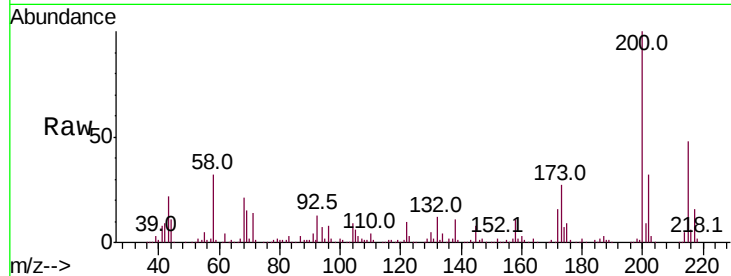
#69
Atrazine
Concen: 47.768 ng
RT: 10.83 min Scan# 1512
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.1	8.0	48.0
215	48.4	28.7	68.7

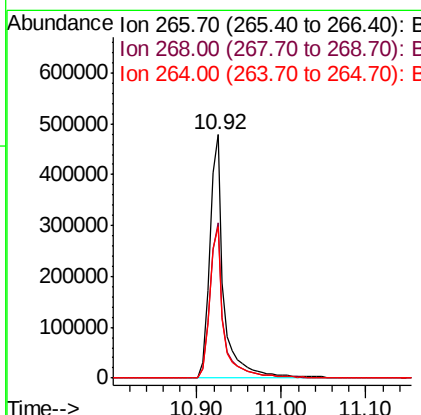
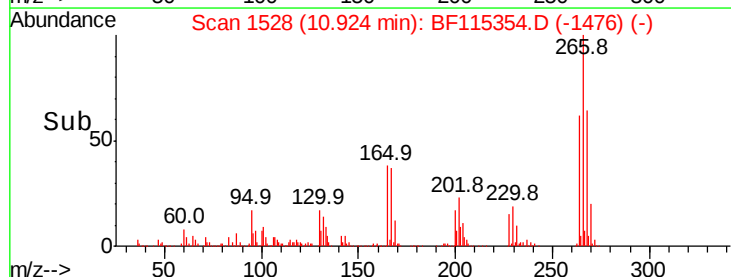
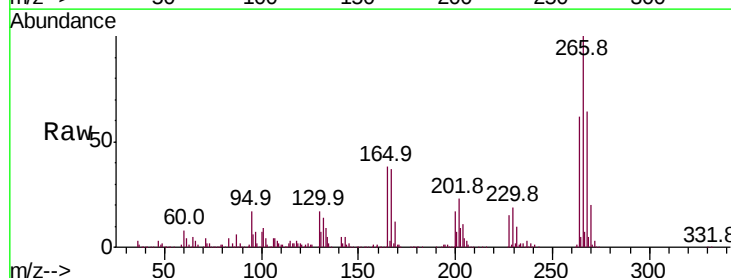
Manual Integrations
APPROVED

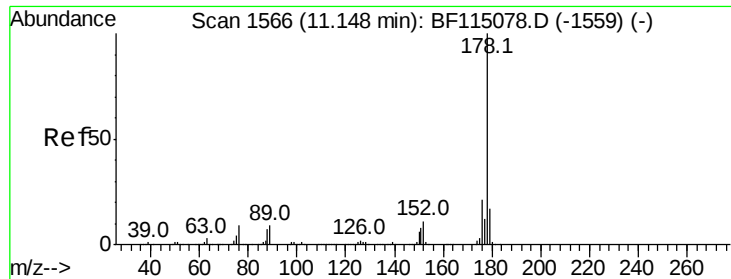
mohammad
7/3/2019 10:51:27 PM



#70
Pentachlorophenol
Concen: 89.085 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.9	53.4	80.2
264	62.2	50.2	75.2





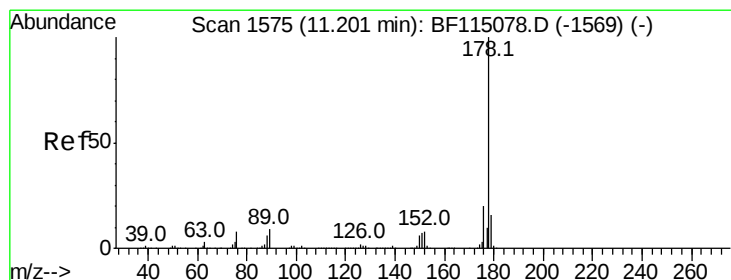
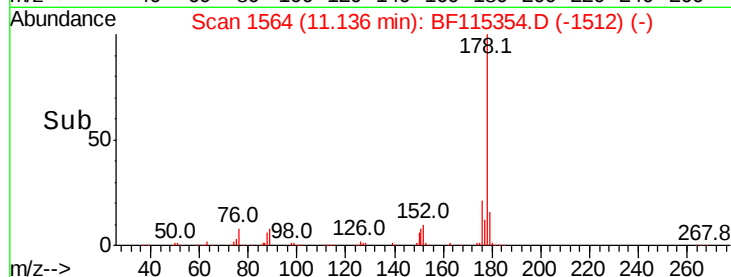
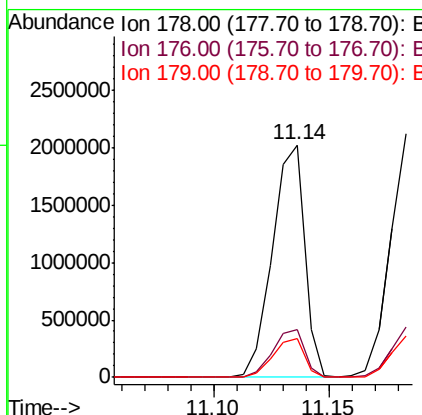
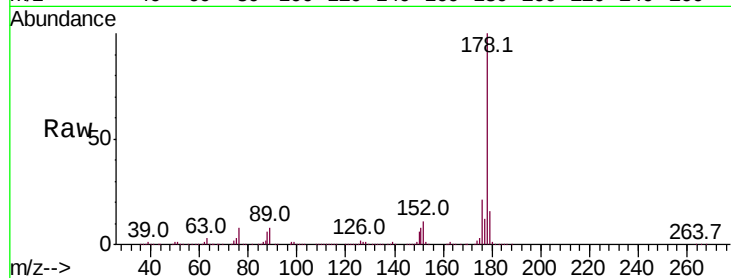
#71
Phenanthrene
Concen: 43.329 ng
RT: 11.14 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion:178 Resp: 1968187
Ion Ratio Lower Upper
178 100
176 20.8 16.4 24.6
179 16.4 13.1 19.7

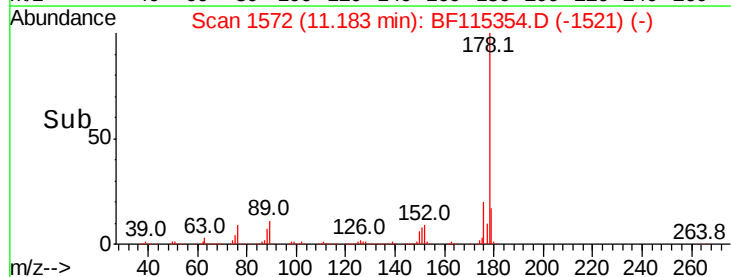
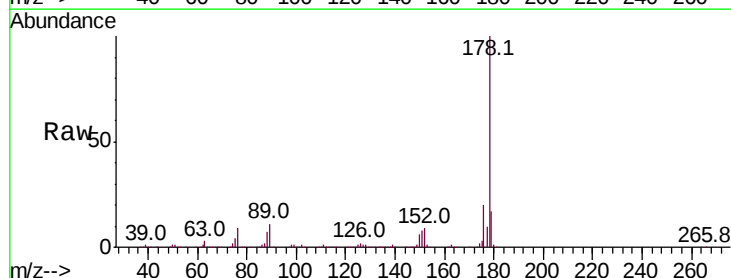
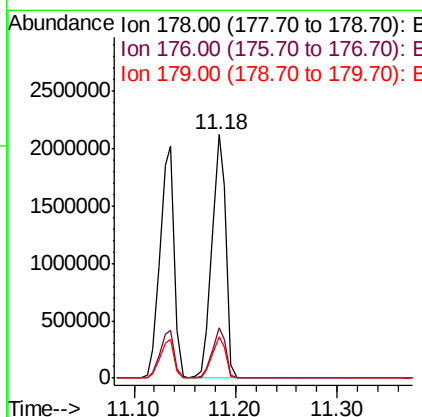
Manual Integrations
APPROVED

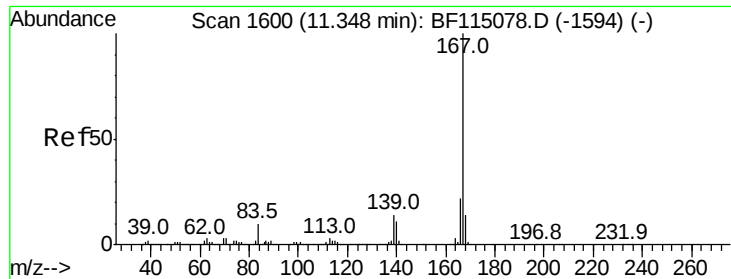
mohammad
7/3/2019 10:51:27 PM



#72
Anthracene
Concen: 44.059 ng
RT: 11.18 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion:178 Resp: 2020233
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 16.8 13.2 19.8





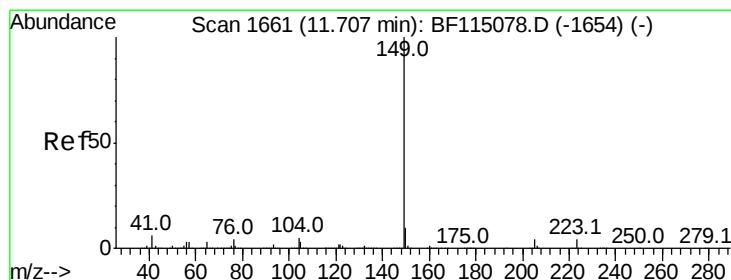
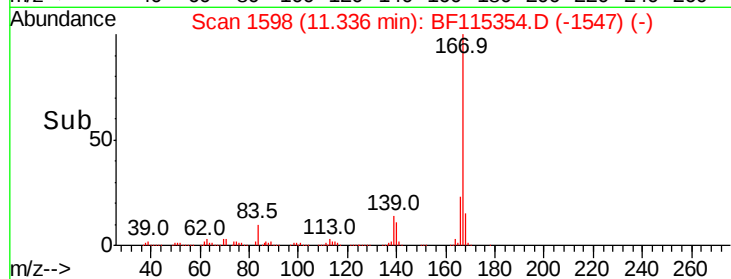
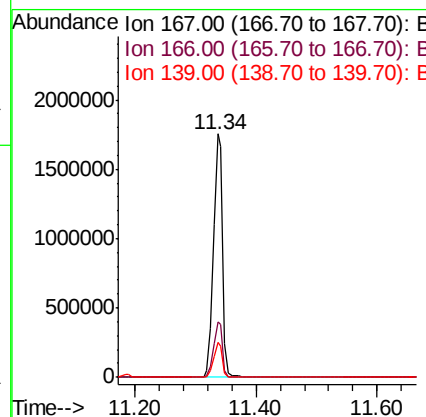
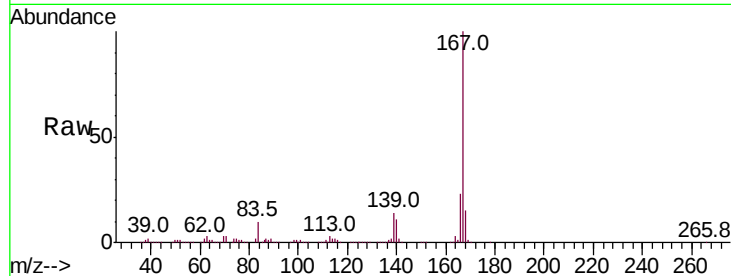
#73
 Carbazole
 Concen: 45.566 ng
 RT: 11.34 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Tot Ion:167 Resp: 1865694
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.1 27.1
 139 14.4 11.4 17.0

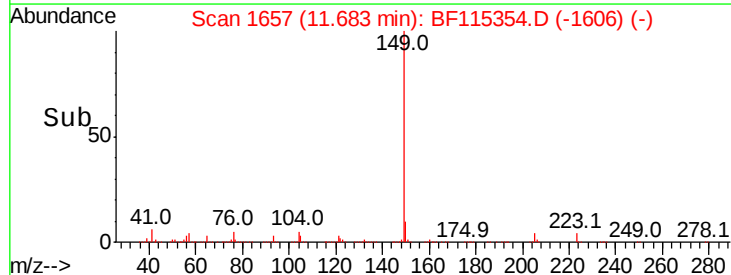
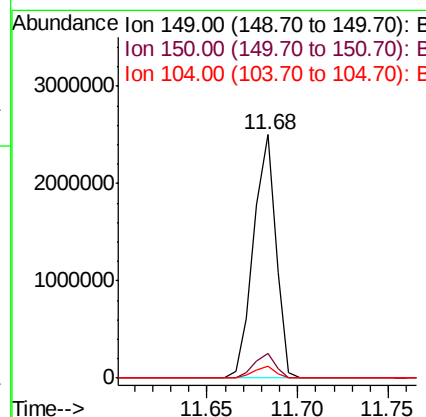
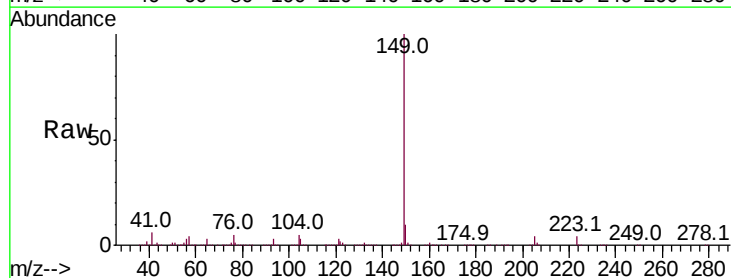
Manual Integrations
 APPROVED

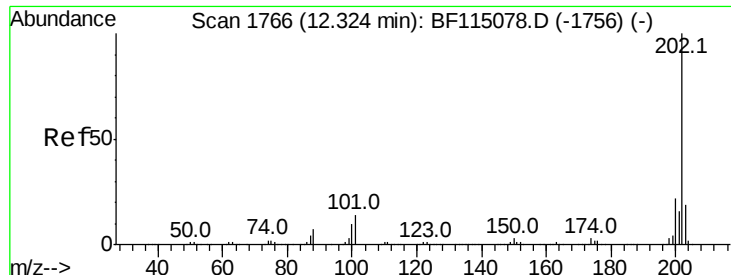
mohammad
 7/3/2019 10:51:27 PM



#74
 Di-n-butylphthalate
 Concen: 45.703 ng
 RT: 11.68 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion:149 Resp: 2162399
 Ion Ratio Lower Upper
 149 100
 150 10.2 8.1 12.1
 104 4.8 3.9 5.9





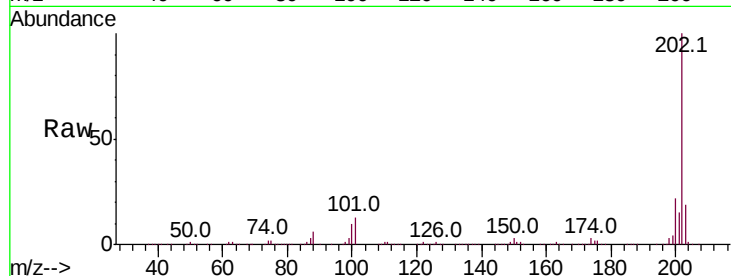
#75
 Fluoranthene
 Concen: 45.314 ng
 RT: 12.31 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121082BS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	2053750		
101	12.7	0.0	32.6	
203	18.6	0.0	38.2	

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:51:27 PM

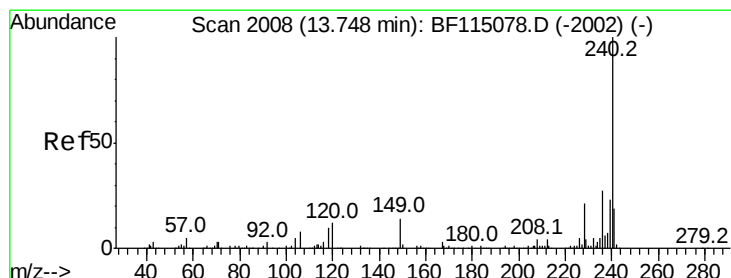
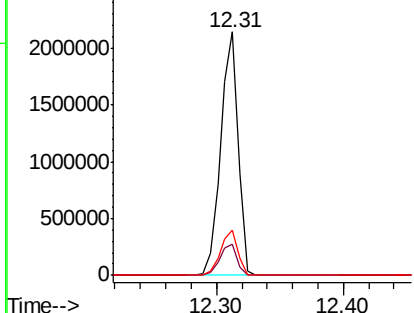
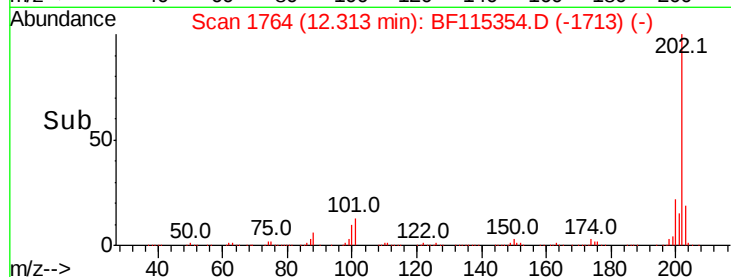


Abundance

Ion 202.00 (201.70 to 202.70): E

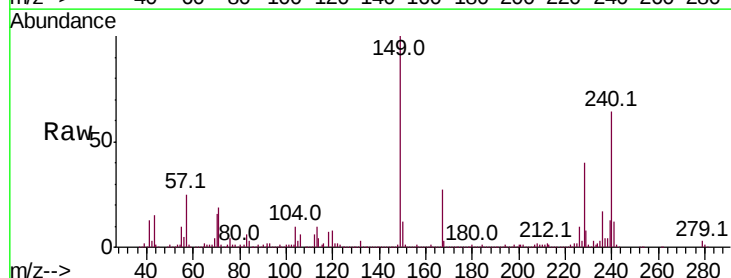
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.73 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	540922		
120	12.1	10.8	16.2	
236	26.5	21.8	32.8	

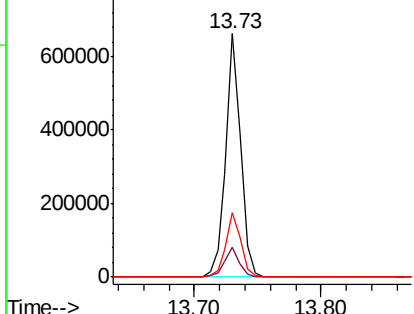
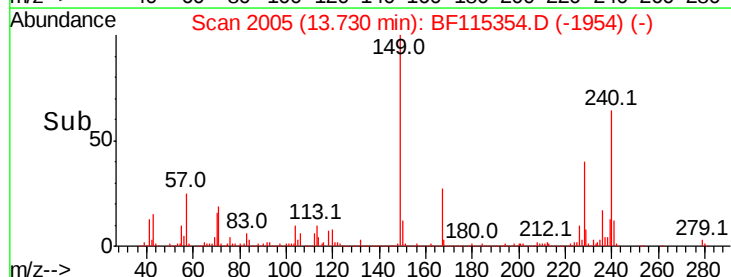


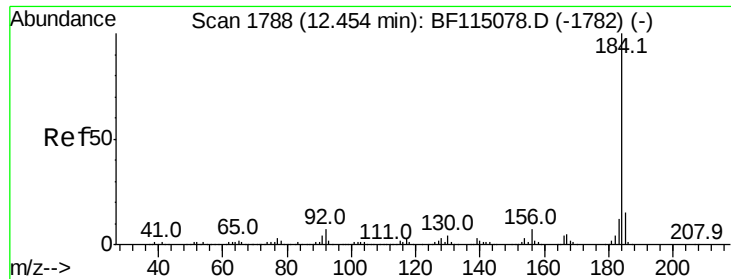
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 24.436 ng

RT: 12.43 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

ClientSampleId :

PB121082BS

Tot Ion:184 Resp: 586939

Ion Ratio Lower Upper

184 100

185 15.3 12.5 18.7

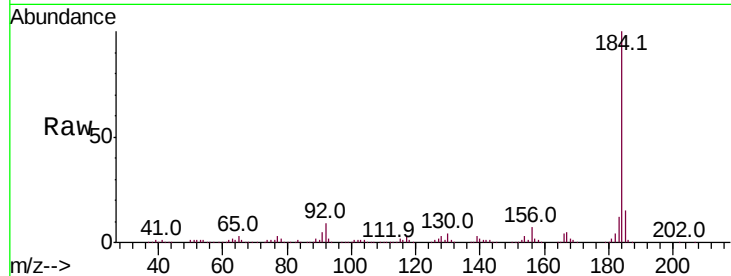
183 11.8 9.4 14.2

Manual Integrations

APPROVED

mohammad

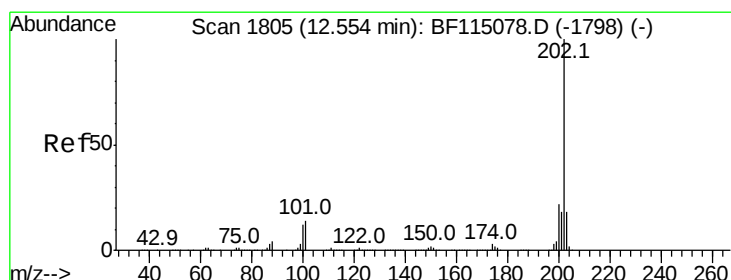
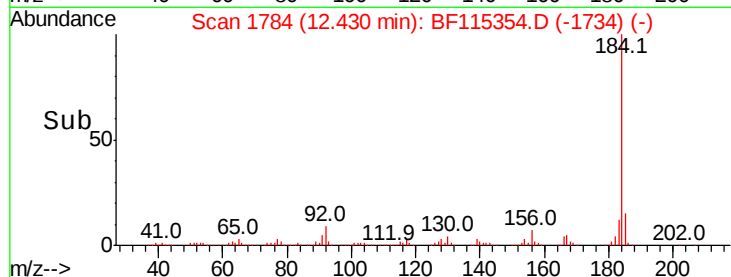
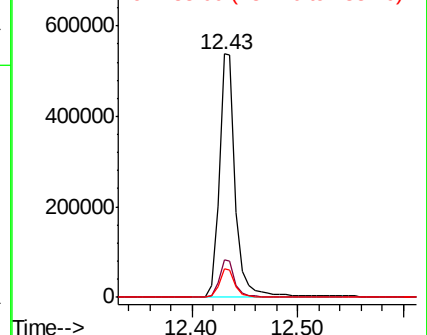
7/3/2019 10:51:27 PM



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: 50.507 ng

RT: 12.54 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

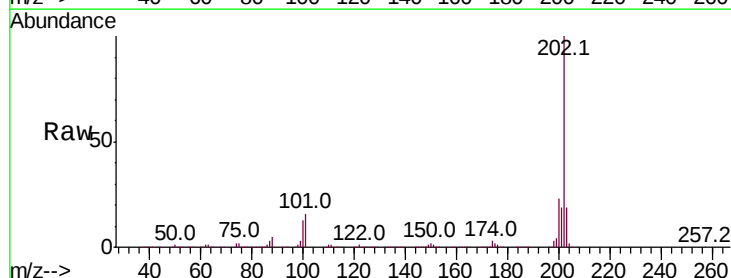
Tgt Ion:202 Resp: 2099595

Ion Ratio Lower Upper

202 100

200 23.2 18.3 27.5

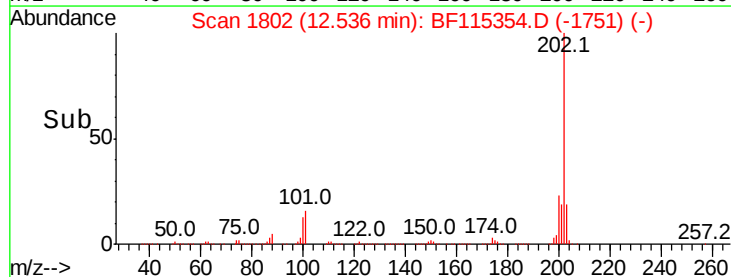
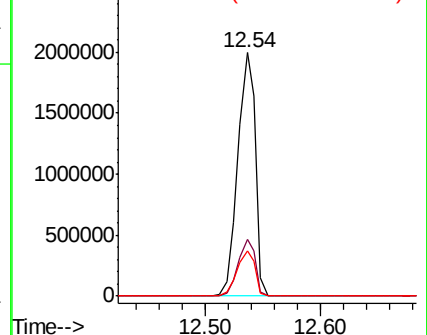
203 18.8 15.0 22.4

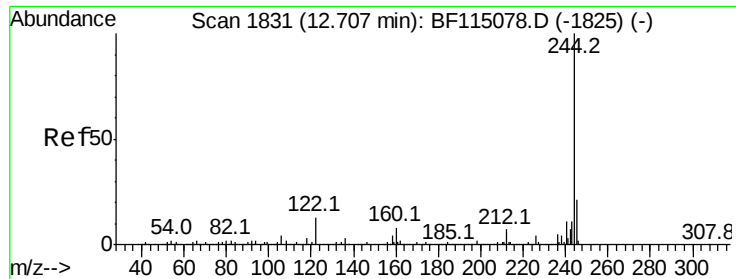


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 102.233 ng

RT: 12.69 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

ClientSampleId :

PB121082BS

Tot Ion:244 Resp: 2600952

Ion Ratio Lower Upper

244 100

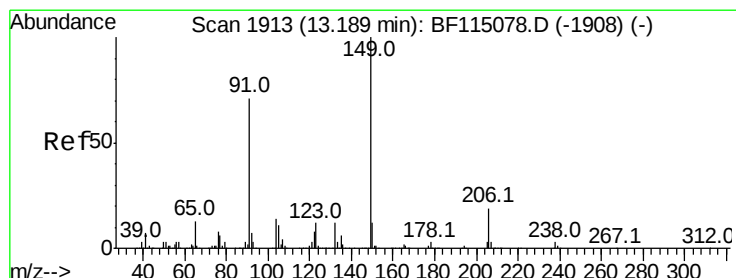
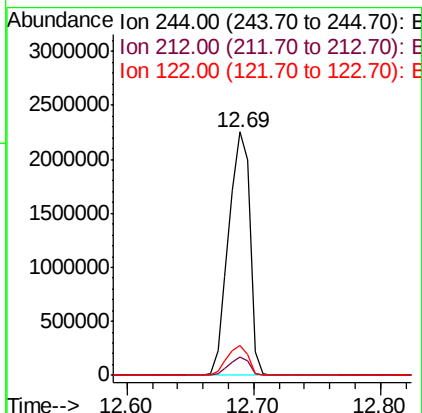
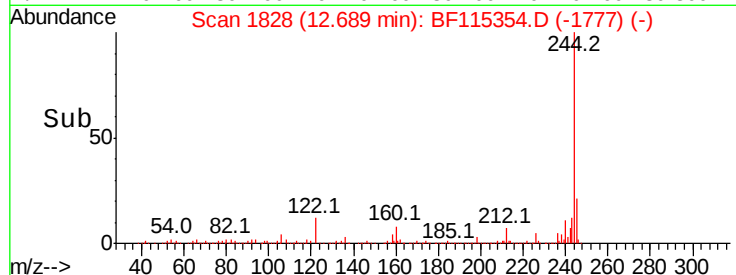
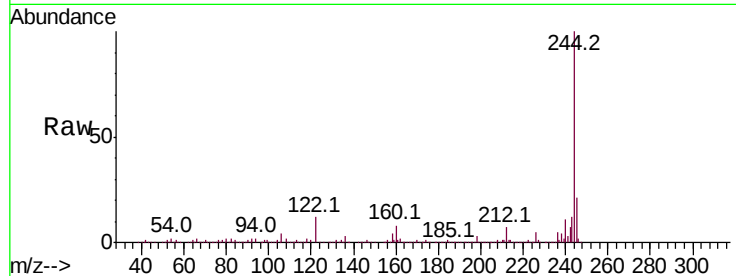
212 7.5 5.7 8.5

122 12.1 9.9 14.9

Manual Integrations
APPROVED

mohammad

7/3/2019 10:51:27 PM



#80

Butylbenzylphthalate

Concen: 53.867 ng

RT: 13.17 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

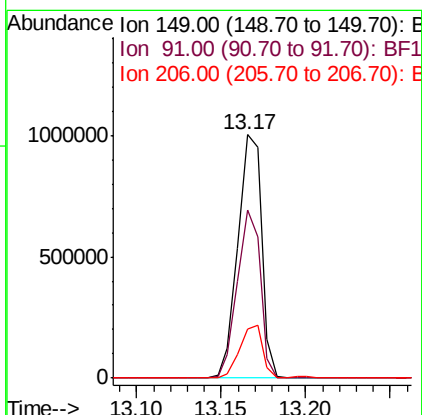
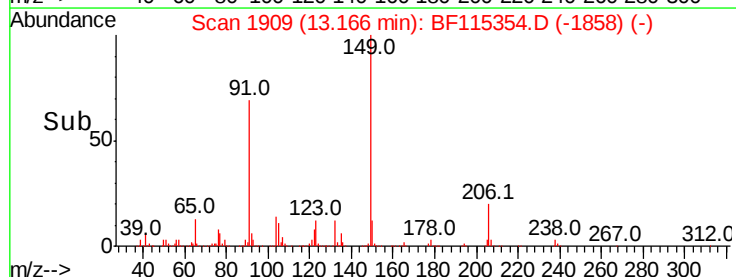
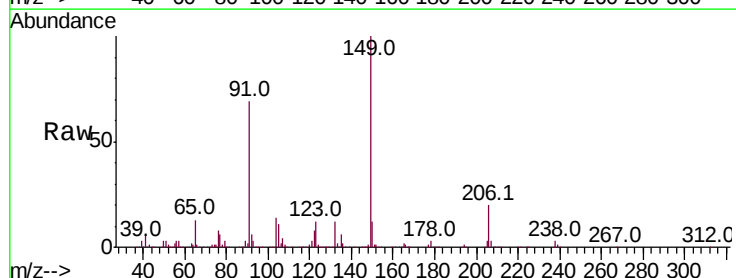
Tgt Ion:149 Resp: 988203

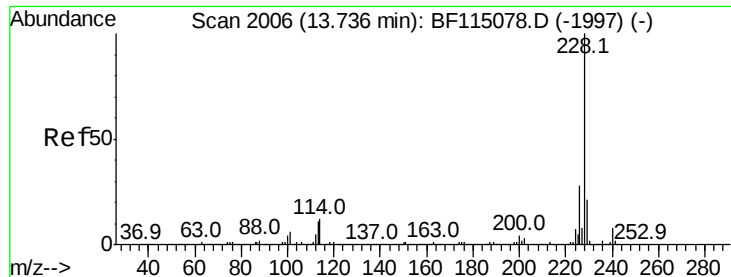
Ion Ratio Lower Upper

149 100

91 68.9 54.6 81.8

206 20.3 16.1 24.1





#81

Benzo(a)anthracene

Concen: 48.435 ng

RT: 13.72 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

Instrument :

BNA_F

ClientSampleId :

PB121082BS

Tot Ion:228 Resp: 1879900

Ion Ratio Lower Upper

228 100

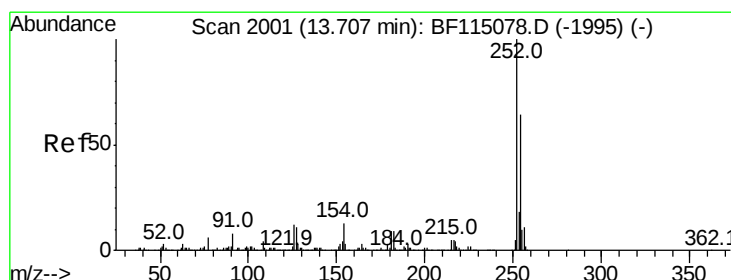
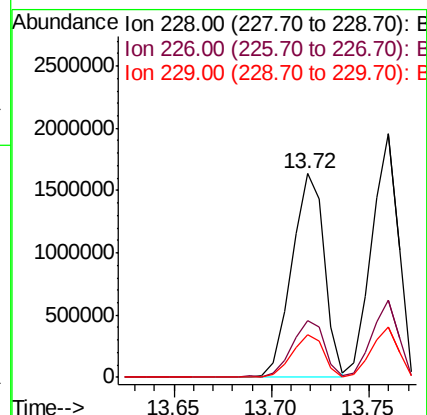
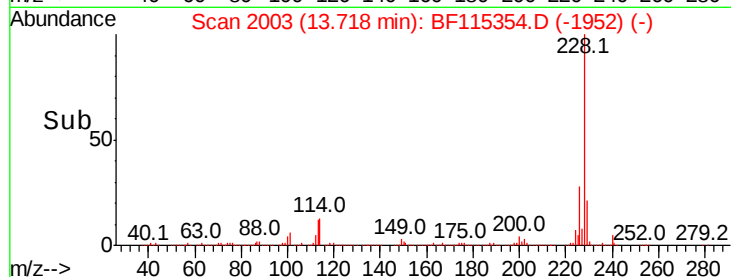
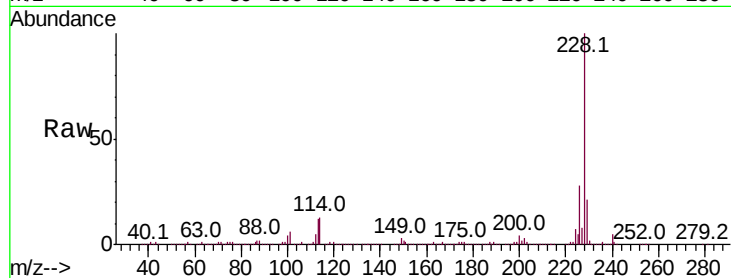
226 27.8 22.5 33.7

229 20.7 16.6 25.0

Manual Integrations
APPROVED

mohammad

7/3/2019 10:51:27 PM



#82

3,3'-Dichlorobenzidine

Concen: 40.047 ng

RT: 13.69 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BF115354.D

Acq: 2 Jul 2019 10:43

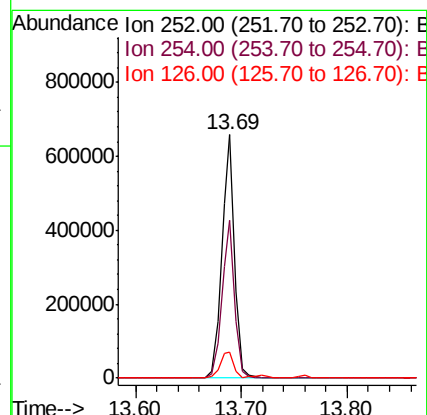
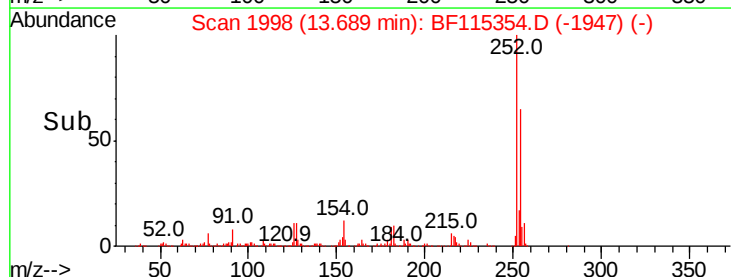
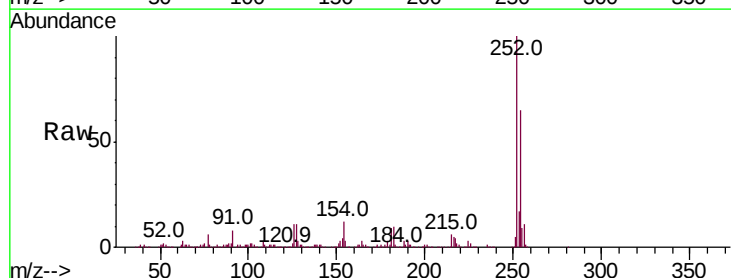
Tgt Ion:252 Resp: 561300

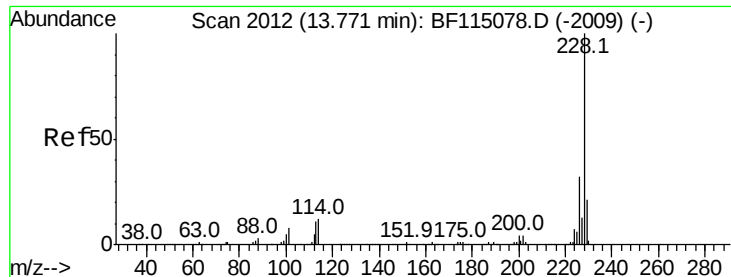
Ion Ratio Lower Upper

252 100

254 64.8 52.6 78.8

126 10.9 9.8 14.6





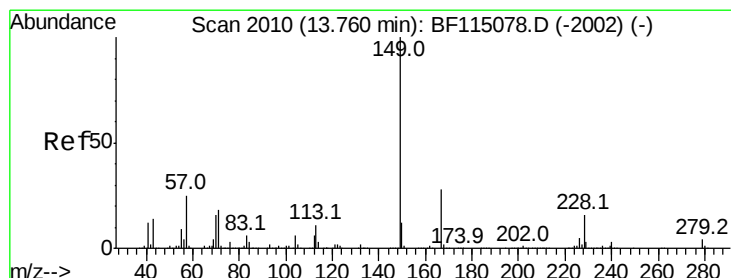
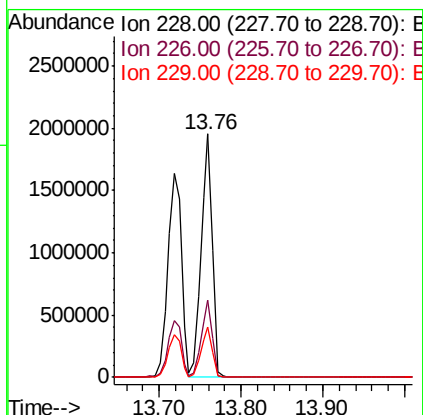
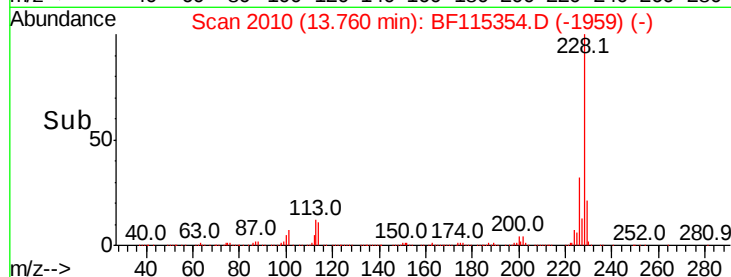
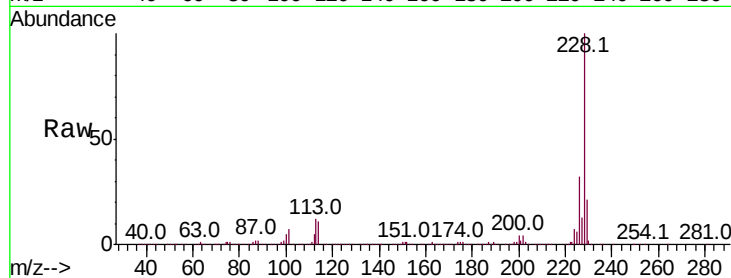
#83
 Chrysene
 Concen: 52.260 ng
 RT: 13.76 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Instrument :
 BNA_F
 ClientSampleID :
 PB121082BS

Tot Ion:228 Resp: 1858024
 Ion Ratio Lower Upper
 228 100
 226 31.8 25.0 37.6
 229 20.6 16.5 24.7

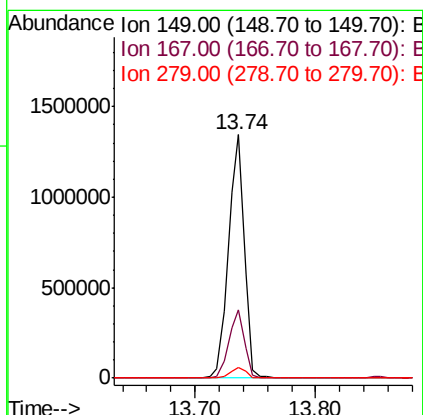
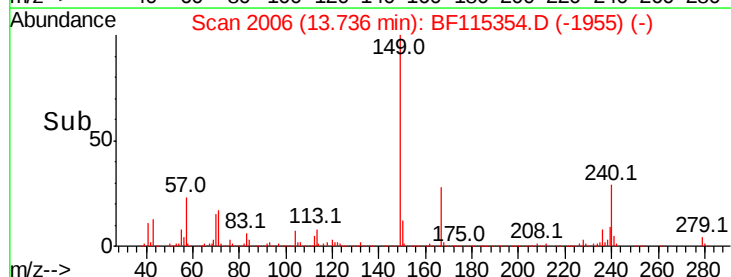
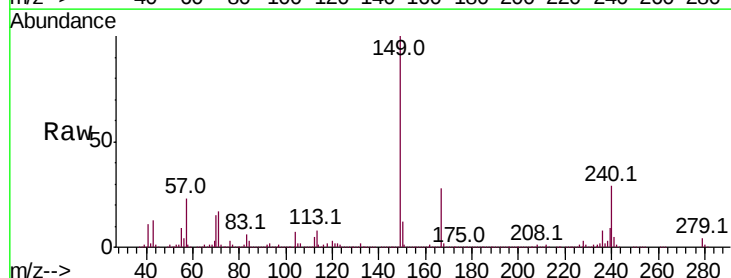
Manual Integrations
 APPROVED

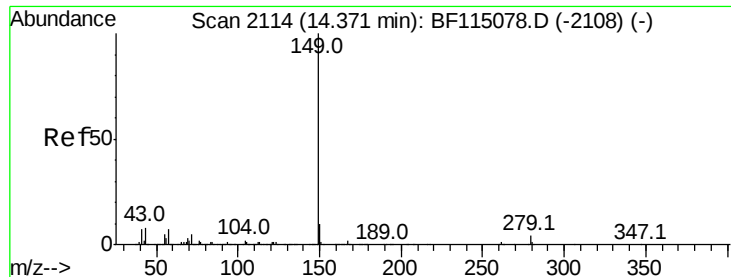
mohammad
 7/3/2019 10:51:27 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.706 ng
 RT: 13.74 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF115354.D
 Acq: 2 Jul 2019 10:43

Tgt Ion:149 Resp: 1218884
 Ion Ratio Lower Upper
 149 100
 167 28.3 22.2 33.2
 279 4.4 3.4 5.2





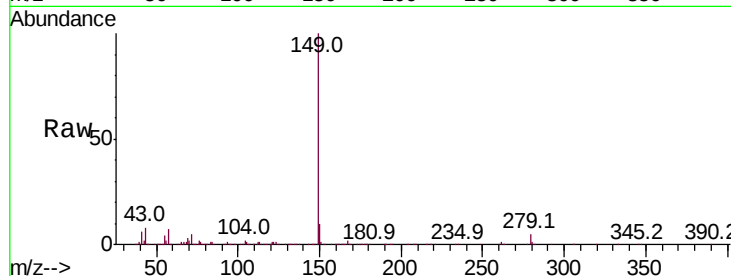
#85
Di-n-octyl phthalate
Concen: 54.579 ng
RT: 14.35 min Scan# 2110
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

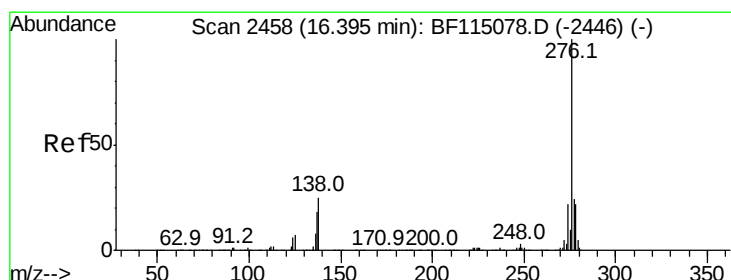
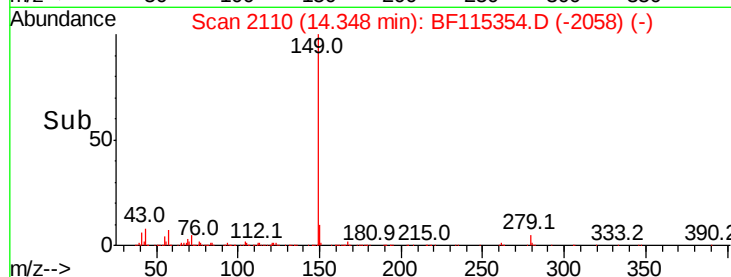
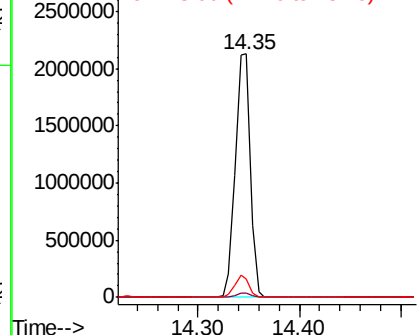
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.7	10.1

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

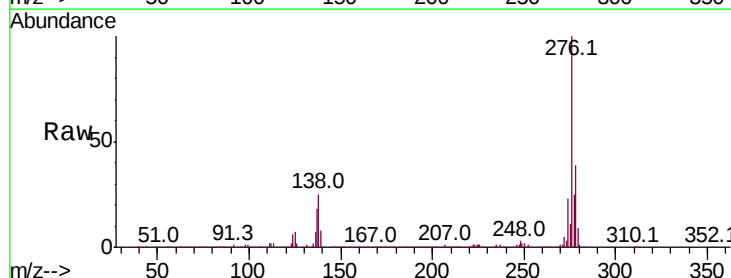


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

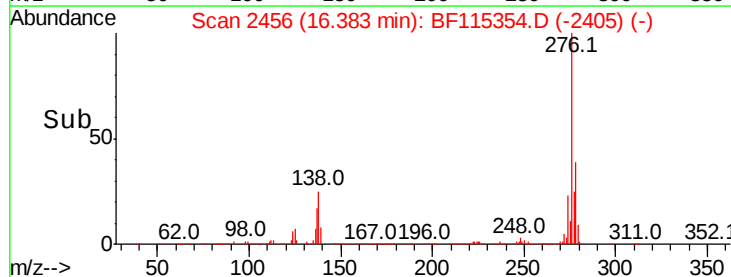
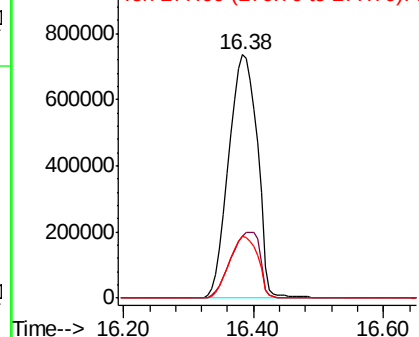


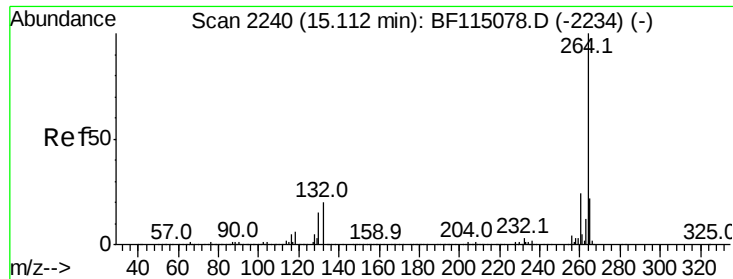
#86
Indeno(1,2,3-cd)pyrene
Concen: 53.410 ng
RT: 16.38 min Scan# 2456
Delta R.T. 0.00 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.9	32.9
277	25.6	20.5	30.7



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





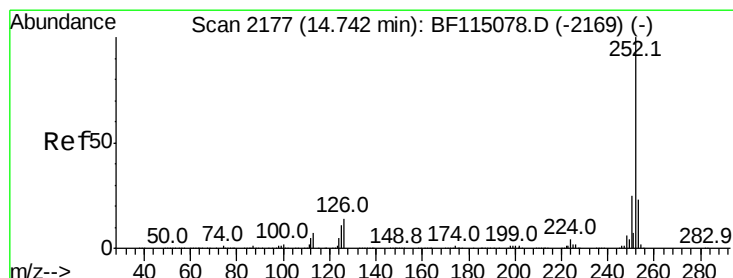
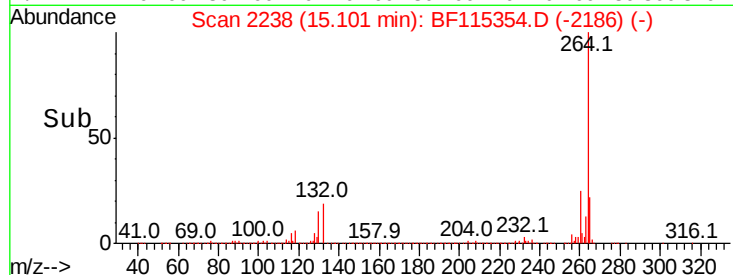
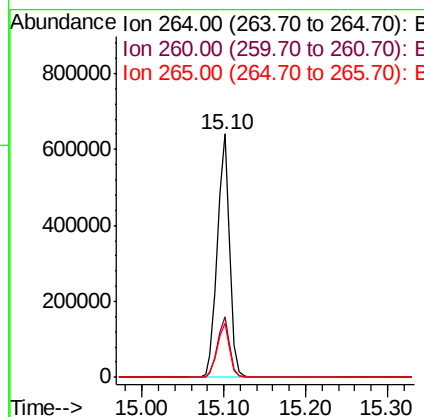
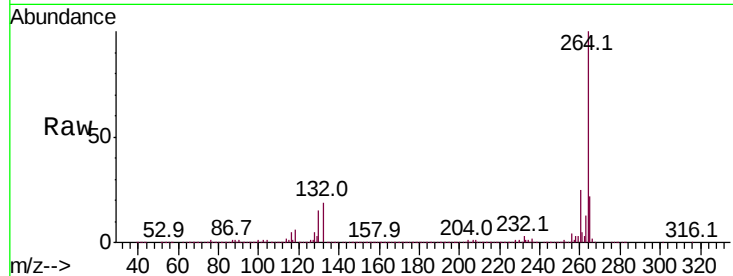
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleId :
PB121082BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.2	18.2	27.2

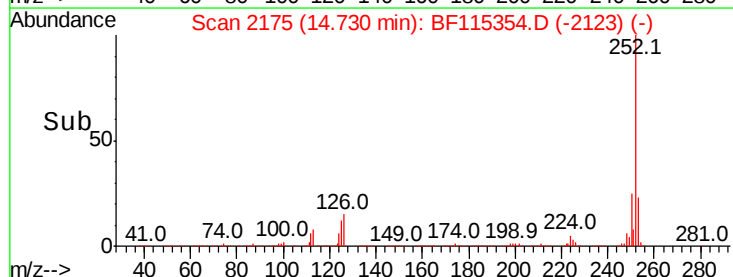
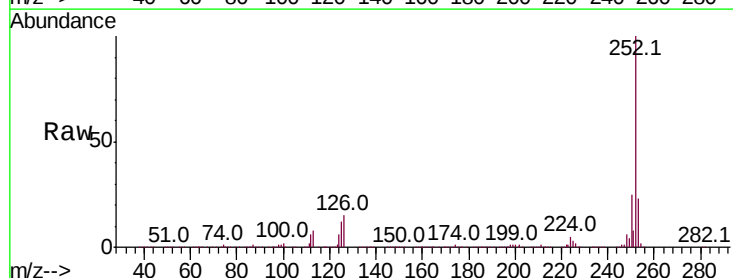
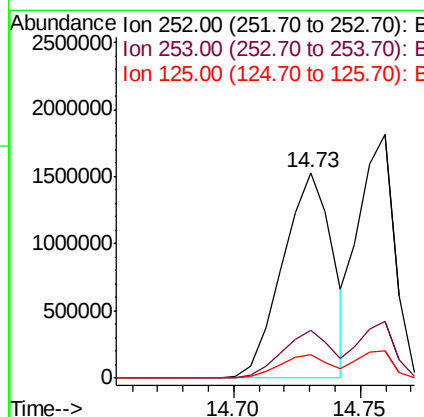
Manual Integrations
APPROVED

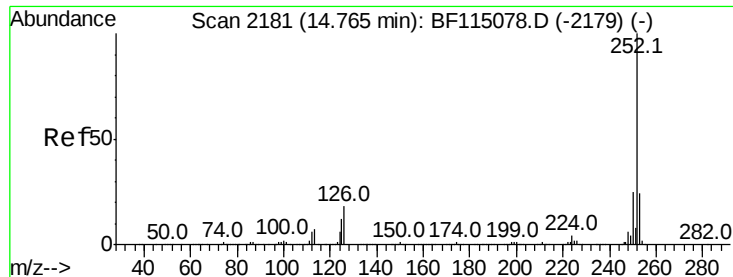
mohammad
7/3/2019 10:51:27 PM



#88
Benzo(b)fluoranthene
Concen: 49.457 ng
RT: 14.73 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.6	9.3	13.9





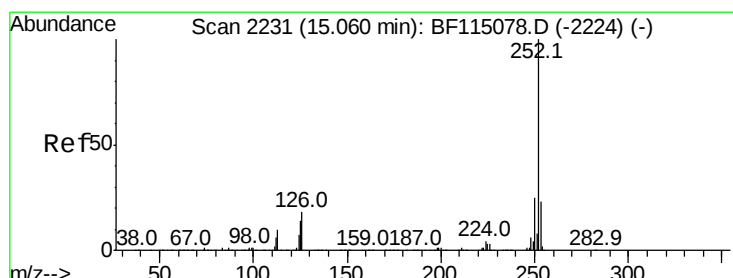
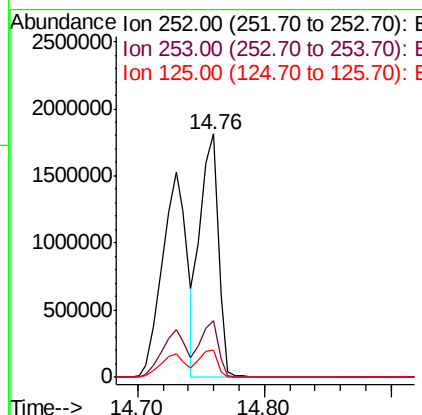
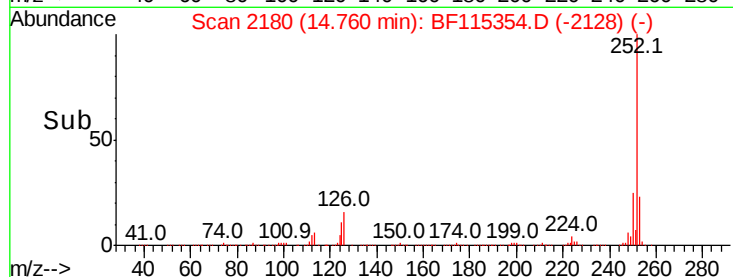
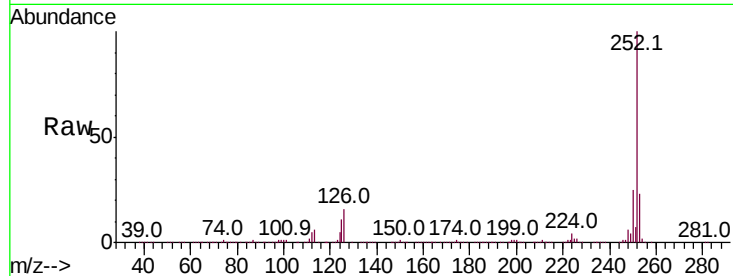
#89
Benzo(k)fluoranthene
Concen: 47.436 ng
RT: 14.76 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampleID :
PB121082BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.0	8.7	13.1

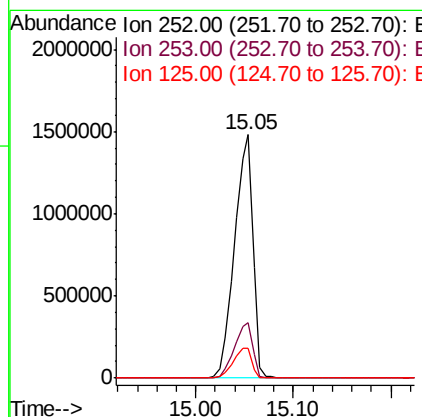
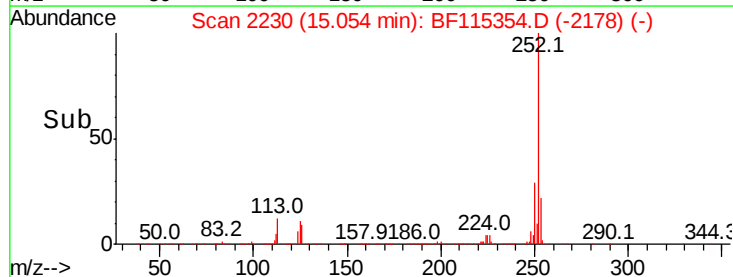
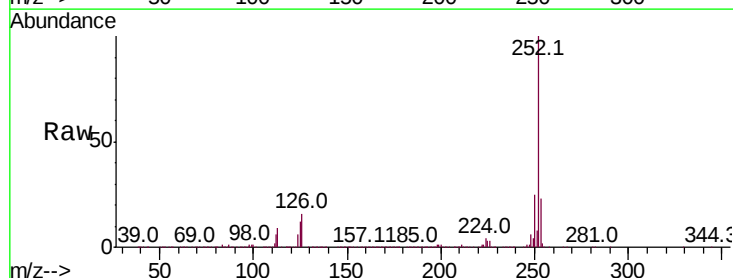
Manual Integrations
APPROVED

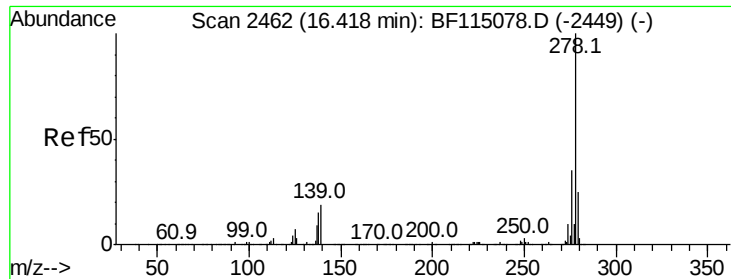
mohammad
7/3/2019 10:51:27 PM



#90
Benzo(a)pyrene
Concen: 50.650 ng
RT: 15.05 min Scan# 2230
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.2	9.9	14.9





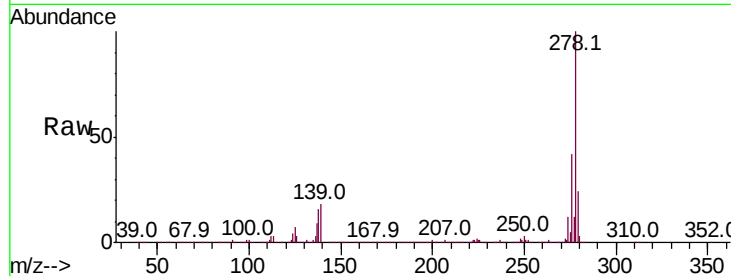
#91
Dibenzo(a,h)anthracene
Concen: 51.216 ng
RT: 16.41 min Scan# 2460
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Instrument :
BNA_F
ClientSampled :
PB121082BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.2	21.2
279	24.3	19.5	29.3

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:27 PM

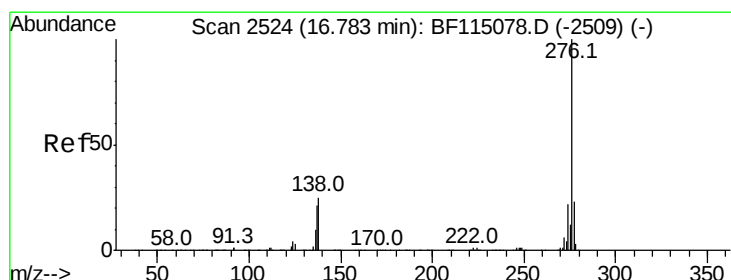
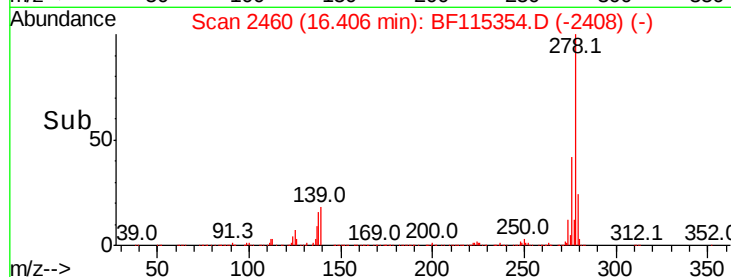
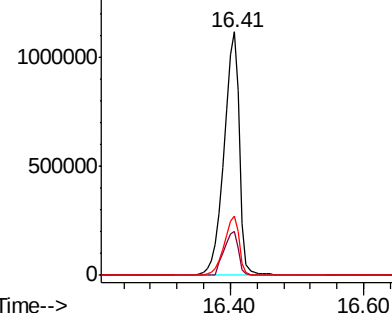


Abundance

Ion 278.00 (277.70 to 278.70): E

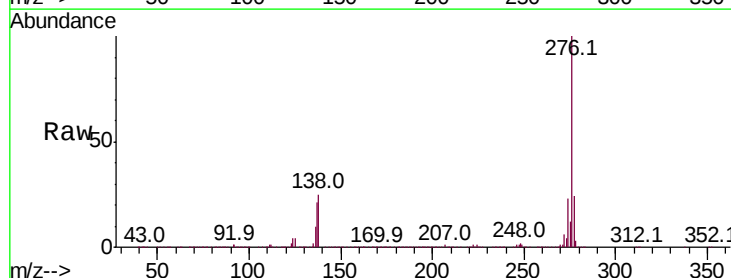
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 52.850 ng
RT: 16.77 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF115354.D
Acq: 2 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.7	28.1
138	24.5	19.0	28.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

