

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116005.D
 Acq On : 6 Aug 2019 11:36
 Operator : HP/JU
 Sample : PB121978BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:37 PM

Quant Time: Aug 07 01:47:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	155992	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	632204	20.00	ng	-0.01
39) Acenaphthene-d10	9.88	164	337322	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	576012	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	408726	20.00	ng	-0.02
87) Perylene-d12	15.46	264	343138	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	965138	103.58	ng	0.01
7) Phenol-d6	6.49	99	1237379	105.25	ng	0.00
23) Nitrobenzene-d5	7.41	82	804862	73.49	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	347312	106.20	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1408986	78.24	ng	-0.02
79) Terphenyl-d14	12.94	244	1518146	78.27	ng	-0.02

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.71	88	174819	37.137	ng	99
3) Pyridine	3.46	79	378400	28.776	ng	99
4) n-Nitrosodimethylamine	3.40	42	178074	34.315	ng	97
6) Aniline	6.51	93	457813	27.191	ng	98
8) 2-Chlorophenol	6.63	128	402796	39.091	ng	99
9) Benzaldehyde	6.39	77	144486	17.812	ng	94
10) Phenol	6.50	94	511661	36.958	ng	91
11) bis(2-Chloroethyl)ether	6.58	93	389585	38.275	ng	98
12) 1,3-Dichlorobenzene	6.79	146	425943	35.769	ng	99
13) 1,4-Dichlorobenzene	6.86	146	437054	36.655	ng	98
14) 1,2-Dichlorobenzene	7.02	146	402338	36.646	ng	99
15) Benzyl Alcohol	6.99	79	340054	38.114	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	524227	37.759	ng	92
17) 2-Methylphenol	7.10	107	341221	39.109	ng	99
18) Hexachloroethane	7.36	117	160723	36.612	ng	97
19) n-Nitroso-di-n-propylamine	7.26	70	278000	38.159	ng	97
20) 3+4-Methylphenols	7.25	107	407254	39.444	ng	# 82
22) Acetophenone	7.25	105	549163	39.608	ng	99
24) Nitrobenzene	7.43	77	451752	38.200	ng	97
25) Isophorone	7.66	82	817478	39.034	ng	99
26) 2-Nitrophenol	7.75	139	223050	40.012	ng	95
27) 2,4-Dimethylphenol	7.78	122	361713	43.129	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	502328	38.699	ng	100
29) 2,4-Dichlorophenol	7.99	162	351298	39.671	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	378790	37.525	ng	100
31) Naphthalene	8.15	128	1165394	39.173	ng	100
32) Benzoic acid	7.92	122	203924	34.488	ng	99
33) 4-Chloroaniline	8.19	127	327018	24.602	ng	98
34) Hexachlorobutadiene	8.26	225	216492	37.235	ng	99
35) Caprolactam	8.57	113	104571m	36.512	ng	
36) 4-Chloro-3-methylphenol	8.68	107	364459	39.562	ng	95
37) 2-Methylnaphthalene	8.84	142	776783	39.646	ng	99
38) 1-Methylnaphthalene	8.94	142	731589	39.469	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	358605	39.766	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116005.D
 Acq On : 6 Aug 2019 11:36
 Operator : HP/JU
 Sample : PB121978BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 PB121978BS

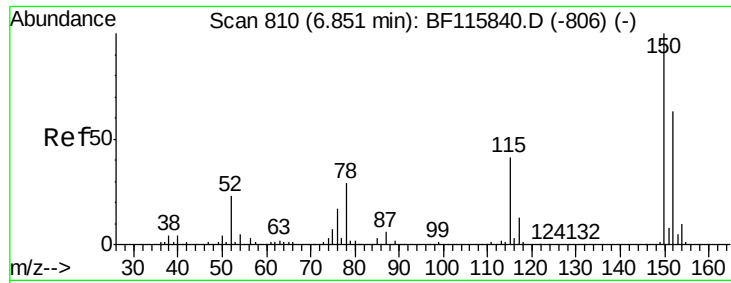
Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:37 PM

Quant Time: Aug 07 01:47:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	199619	51.580	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	229415	36.959	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	245938	38.330	nq	98
46) 1,1'-Biphenyl	9.30	154	939138	39.435	nq	99
47) 2-Chloronaphthalene	9.33	162	741984	37.434	nq	98
48) 2-Nitroaniline	9.42	65	236245	36.059	nq	88
49) Acenaphthylene	9.75	152	1126571	38.959	nq	99
50) Dimethylphthalate	9.60	163	889988	38.749	nq	99
51) 2,6-Dinitrotoluene	9.66	165	193247	38.717	nq	# 84
52) Acenaphthene	9.92	154	676372	38.127	nq	99
53) 3-Nitroaniline	9.83	138	149066	24.170	nq	90
54) 2,4-Dinitrophenol	9.95	184	159434	64.482	nq	96
55) Dibenzofuran	10.09	168	1009401	39.126	nq	97
56) 4-Nitrophenol	10.01	139	266895	67.554	nq	99
57) 2,4-Dinitrotoluene	10.07	165	255187	38.400	nq	96
58) Fluorene	10.43	166	779686	39.281	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.21	232	206915	38.330	nq	99
60) Diethylphthalate	10.30	149	852239	39.744	nq	100
61) 4-Chlorophenyl-phenylether	10.42	204	400187	39.810	nq	99
62) 4-Nitroaniline	10.45	138	208678	32.741	nq	99
63) Azobenzene	10.58	77	870852	39.484	nq	97
65) 4,6-Dinitro-2-methylphenol	10.49	198	119391	39.113	nq	95
66) n-Nitrosodiphenylamine	10.54	169	701704	40.473	nq	99
67) 4-Bromophenyl-phenylether	10.90	248	244533	39.657	nq	98
68) Hexachlorobenzene	10.98	284	273225	38.319	nq	96
69) Atrazine	11.06	200	219030	38.402	nq	99
70) Pentachlorophenol	11.18	266	249356	72.033	nq	99
71) Phenanthrene	11.39	178	1144152	38.855	nq	100
72) Anthracene	11.45	178	1184615	39.750	nq	99
73) Carbazole	11.60	167	1065910	39.423	nq	99
74) Di-n-butylphthalate	11.92	149	1332830	42.258	nq	100
75) Fluoranthene	12.58	202	1185694	38.462	nq	98
77) Benzidine	12.70	184	386297	27.975	nq	97
78) Pyrene	12.81	202	1203153	39.050	nq	100
80) Butylbenzylphthalate	13.42	149	559633	42.940	nq	98
81) Benzo(a)anthracene	13.99	228	997198	38.171	nq	99
82) 3,3'-Dichlorobenzidine	13.95	252	313974	34.594	nq	# 99
83) Chrysene	14.03	228	971473	38.303	nq	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	793307	46.841	nq	100
85) Di-n-octyl phthalate	14.58	149	1253409	46.594	nq	100
86) Indeno(1,2,3-cd)pyrene	16.94	276	816719	38.340	nq	99
88) Benzo(b)fluoranthene	15.04	252	889937	44.854	nq	99
89) Benzo(k)fluoranthene	15.07	252	824015	42.640	nq	99
90) Benzo(a)pyrene	15.41	252	792811	44.701	nq	99
91) Dibenzo(a,h)anthracene	16.94	278	696987	45.399	nq	99
92) Benzo(g,h,i)perylene	17.37	276	670108	44.444	nq	99

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



#1

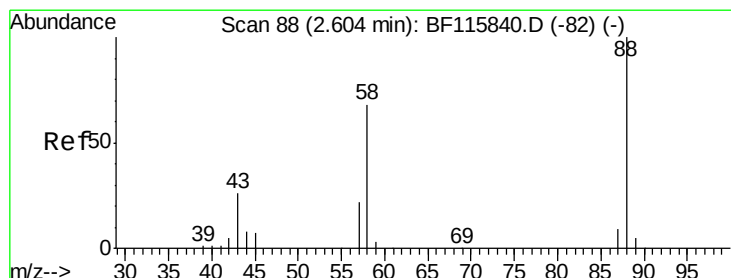
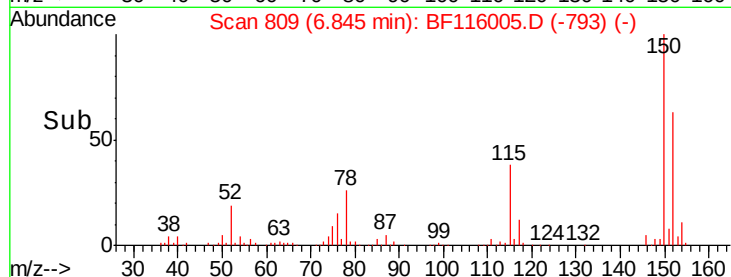
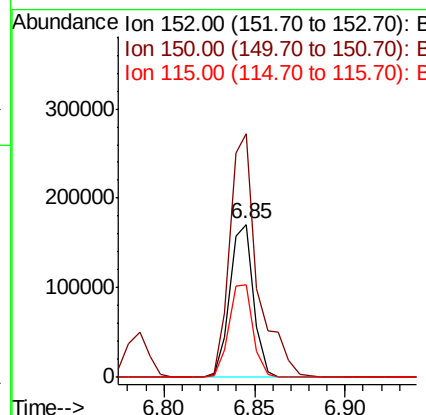
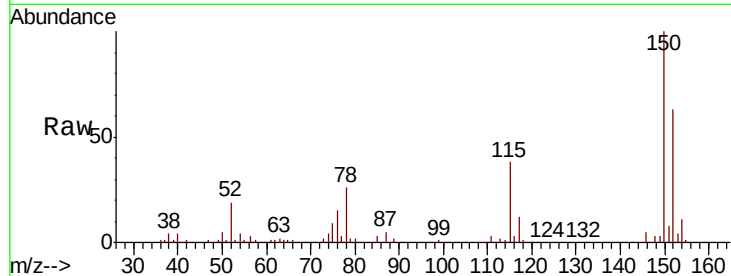
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.4	191.0
115	60.3	51.8	77.8

Manual Integrations
APPROVED

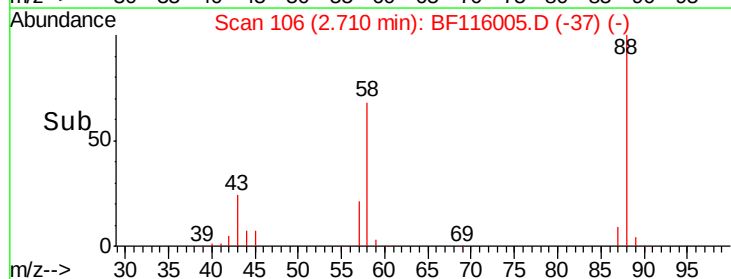
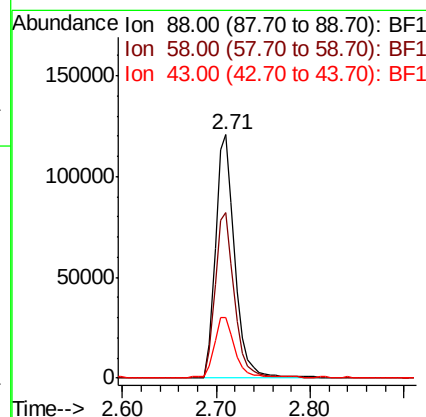
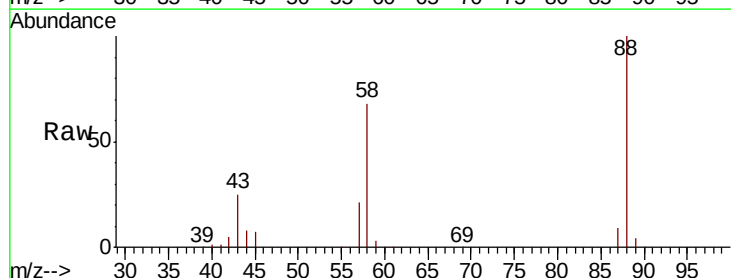
mohammad
8/7/2019 4:41:37 PM

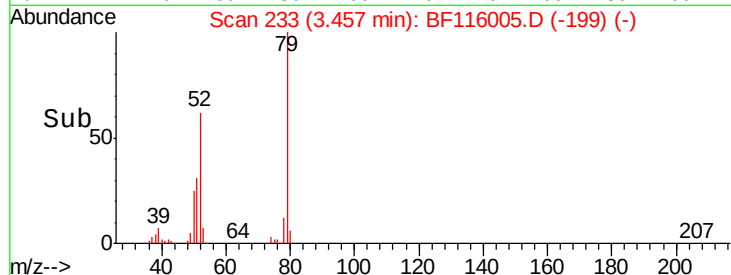
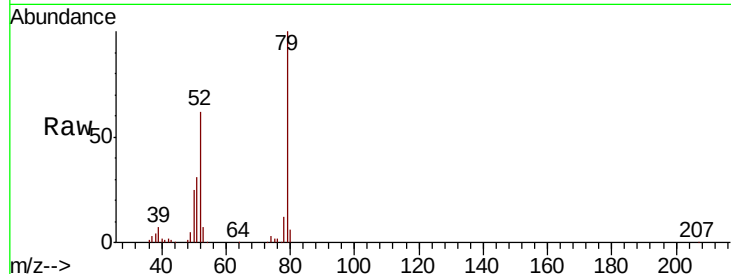
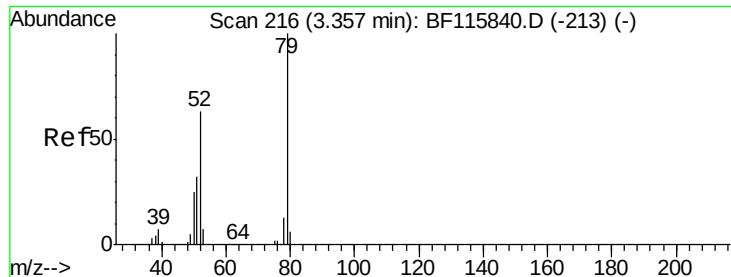


#2

1,4-Dioxane
Concen: 37.137 ng
RT: 2.71 min Scan# 106
Delta R.T. 0.11 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.1	81.1
43	25.6	20.7	31.1





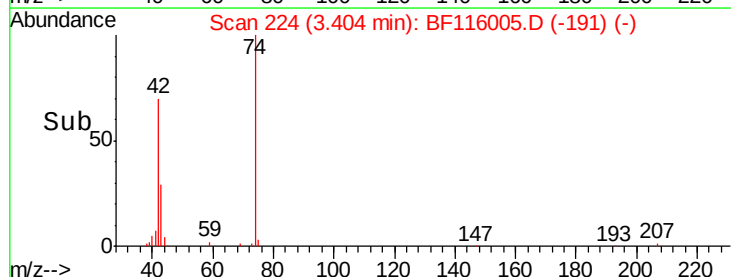
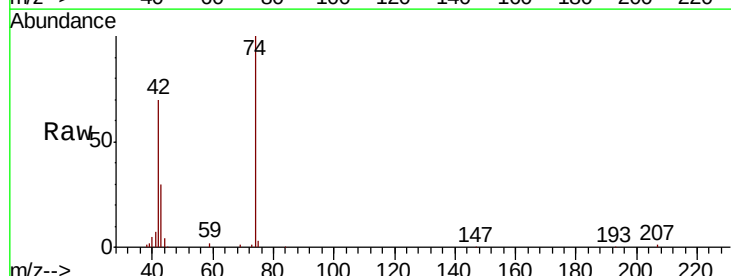
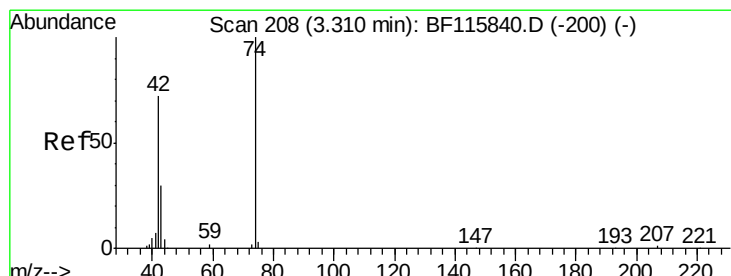
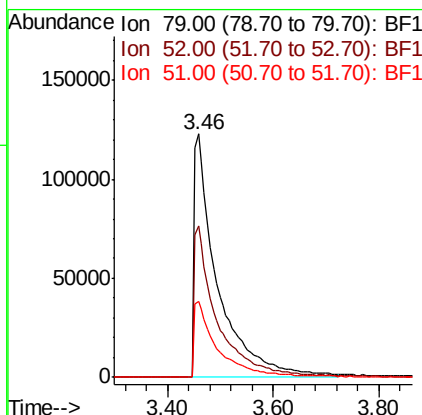
#3
Pvridine
Concen: 28.776 ng
RT: 3.46 min Scan# 233
Delta R.T. 0.10 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tot Ion	Ratio	Resp	Lower	Upper
79	100	378400		
52	62.3		50.2	75.4
51	31.2		25.8	38.6

Instrument :
BNA_F
ClientSampleId :
PB121978BS

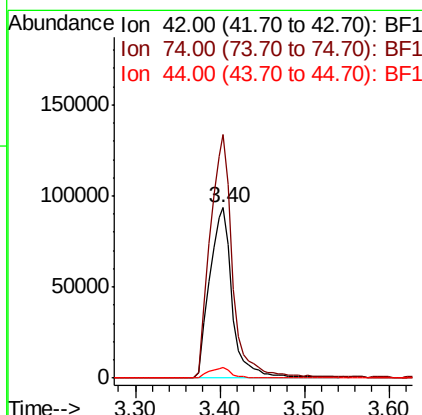
Manual Integrations
APPROVED

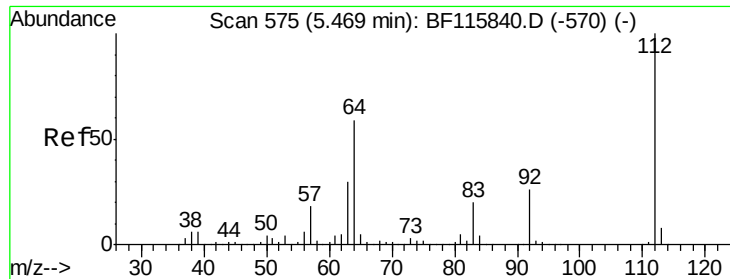
mohammad
8/7/2019 4:41:37 PM



#4
n-Nitrosodimethylamine
Concen: 34.315 ng
RT: 3.40 min Scan# 224
Delta R.T. 0.09 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	178074		
74	142.8		111.0	166.4
44	6.1		4.7	7.1





#5

2-Fluorophenol

Concen: 103.576 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

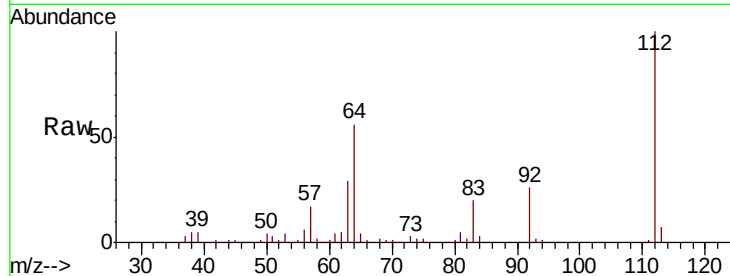
ClientSampleId :

PB121978BS

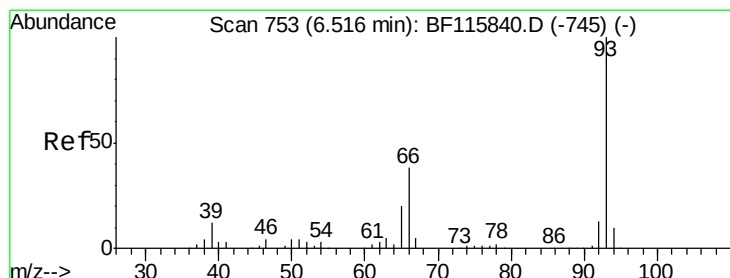
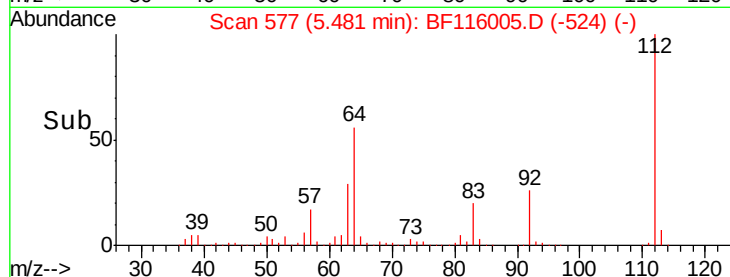
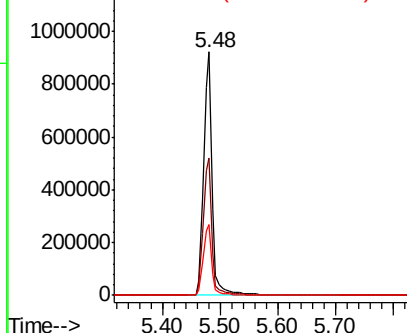
Tot Ion:	112	Resp:	965138
Ion Ratio	Lower	Upper	
112	100		
64	56.3	46.8	70.2
63	29.0	24.2	36.2

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



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



#6

Aniline

Concen: 27.191 ng

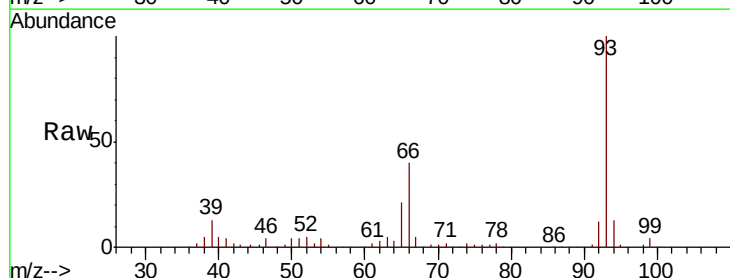
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

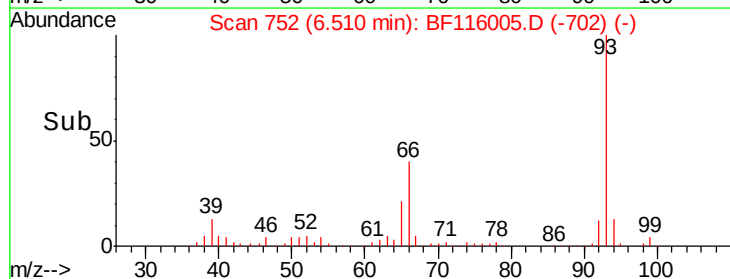
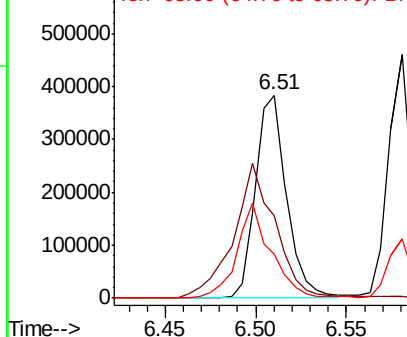
Lab File: BF116005.D

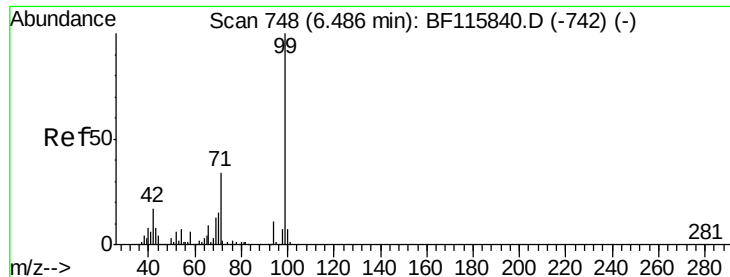
Acq: 6 Aug 2019 11:36

Tgt Ion:	93	Resp:	457813
Ion Ratio	Lower	Upper	
93	100		
66	40.3	31.4	47.0
65	21.5	16.5	24.7



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





#7

Phenol-d6

Concen: 105.250 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

ClientSampleId :

PB121978BS

Tot Ion: 99 Resp: 1237379

Ion Ratio Lower Upper

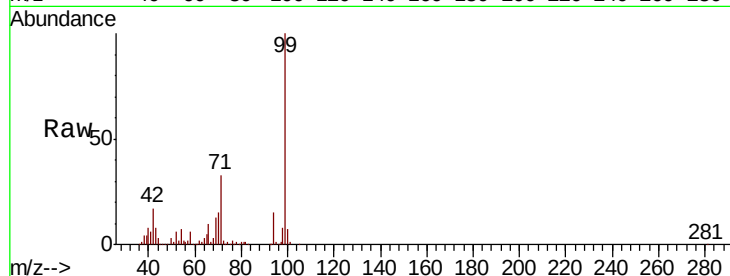
99 100

42 16.8 13.8 20.6

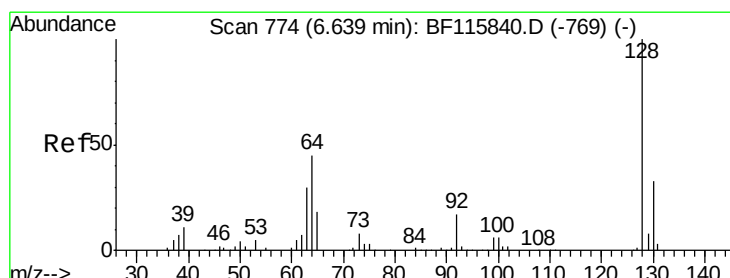
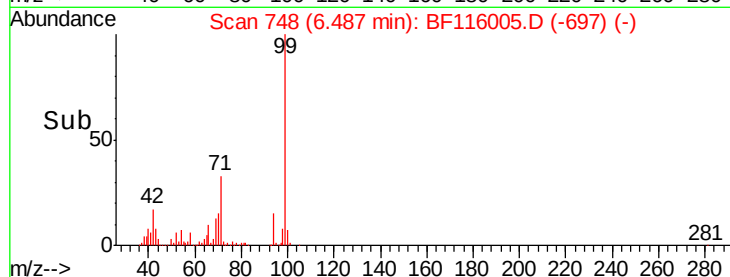
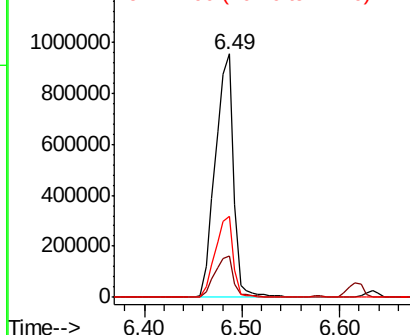
71 33.5 27.1 40.7

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 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: 39.091 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

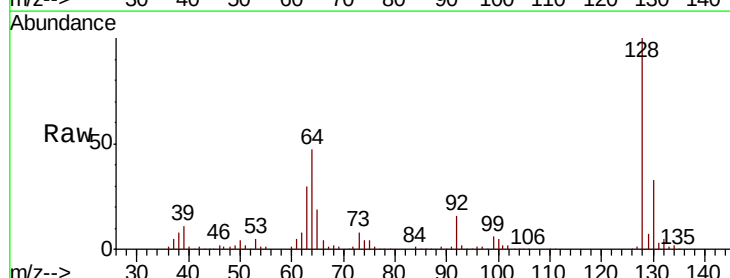
Tgt Ion: 128 Resp: 402796

Ion Ratio Lower Upper

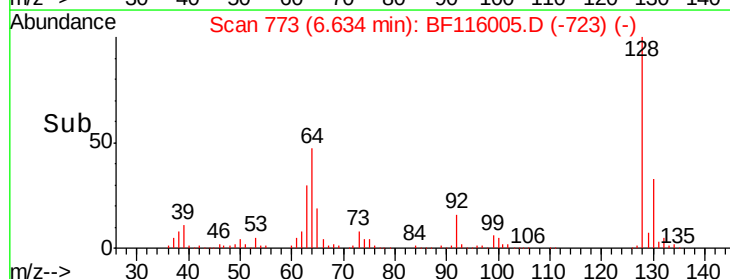
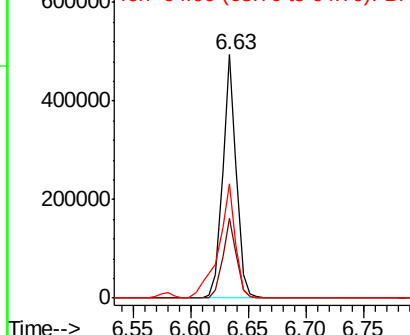
128 100

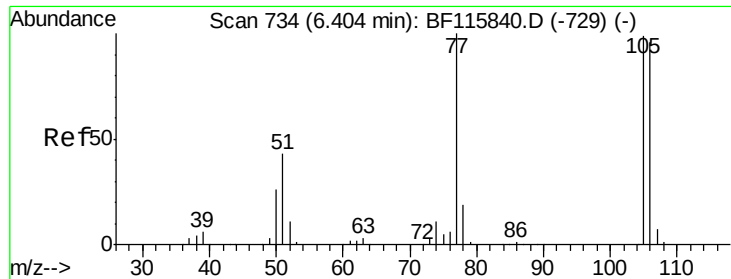
130 32.8 12.9 52.9

64 46.7 26.1 66.1



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





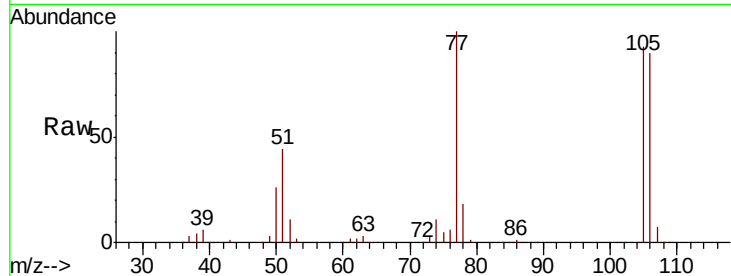
#9
Benzaldehyde
Concen: 17.812 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

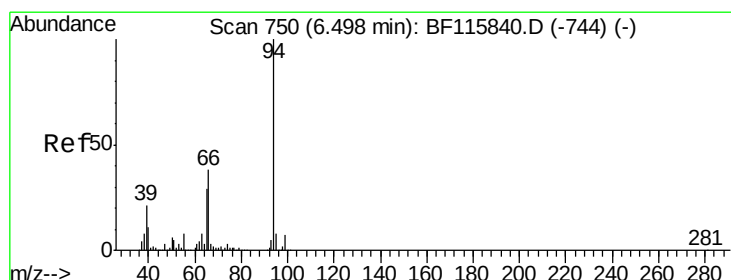
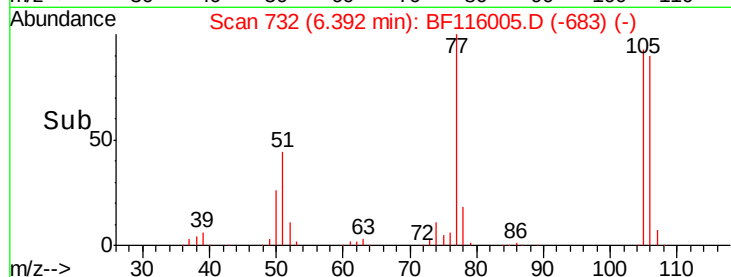
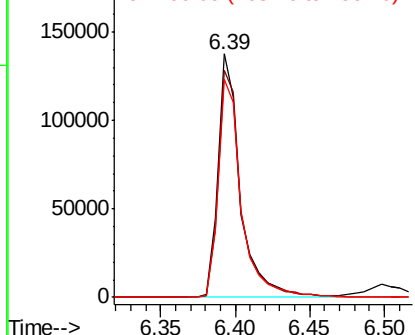
Tot Ion	Ratio	Lower	Upper
77	100		
105	93.5	79.0	119.0
106	89.7	76.2	116.2

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM

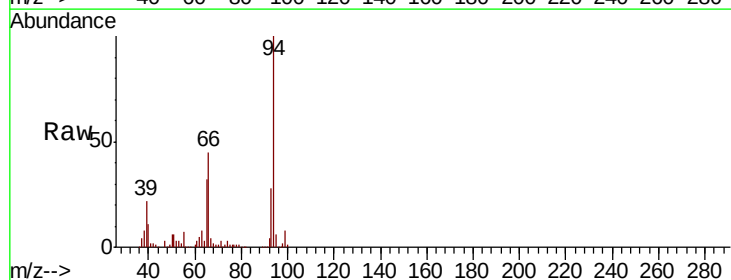


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

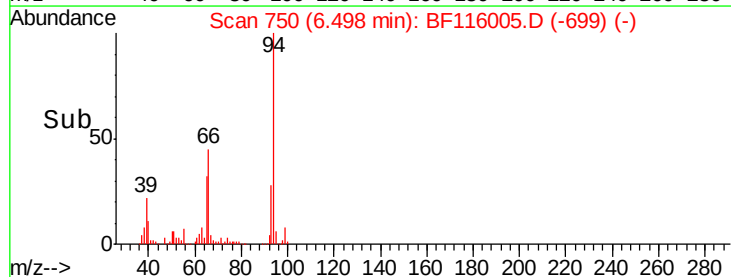
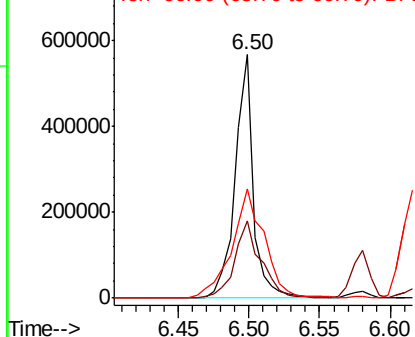


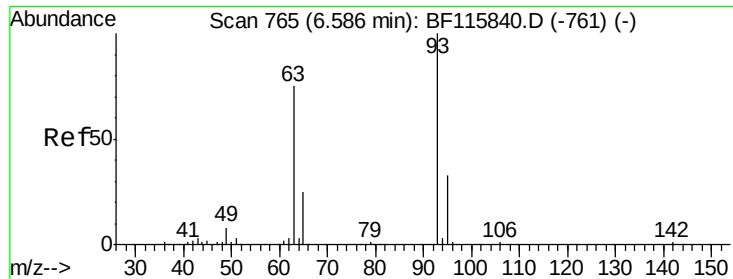
#10
Phenol
Concen: 36.958 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.9	8.9	48.9
66	45.0	18.0	58.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 38.275 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

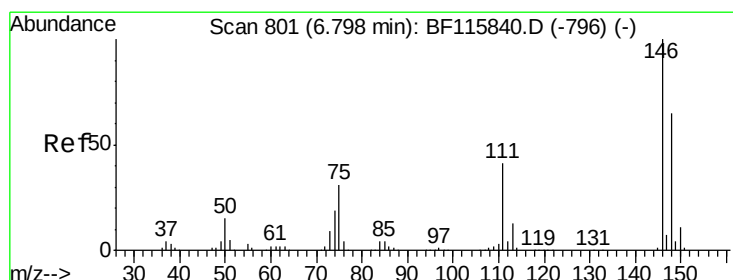
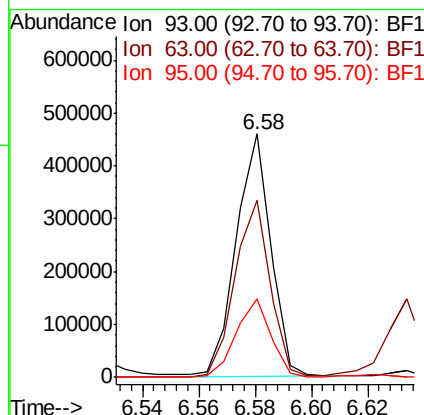
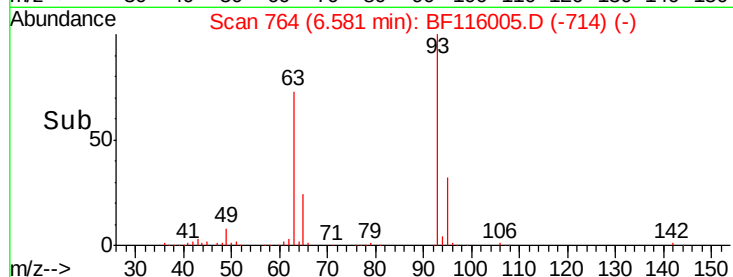
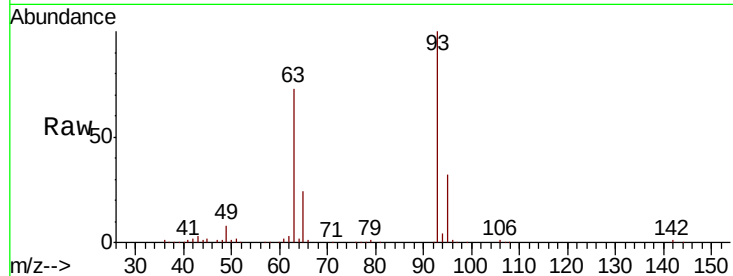
ClientSampleId :

PB121978BS

Tot Ion:	93	Resp:	389585
Ion Ratio	Lower	Upper	
93	100		
63	72.8	54.9	94.9
95	32.2	13.3	53.3

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



#12

1,3-Dichlorobenzene

Concen: 35.769 ng

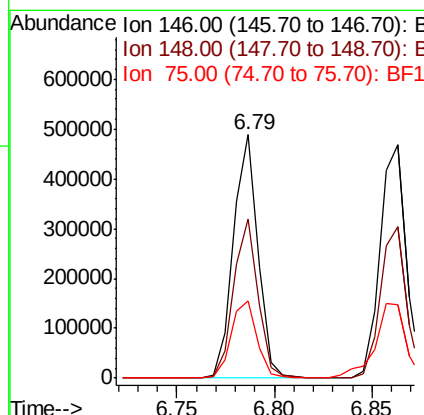
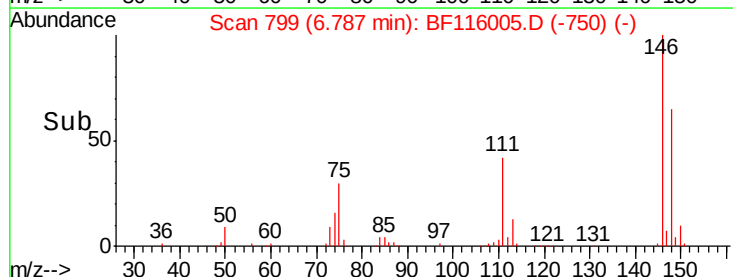
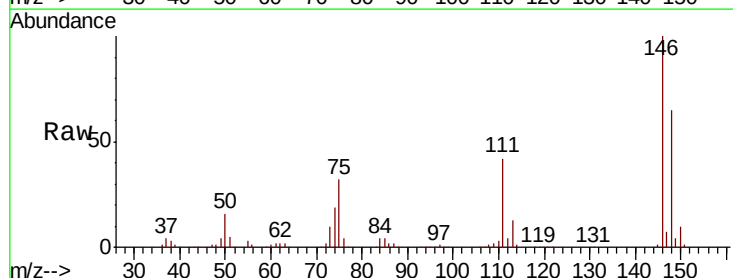
RT: 6.79 min Scan# 799

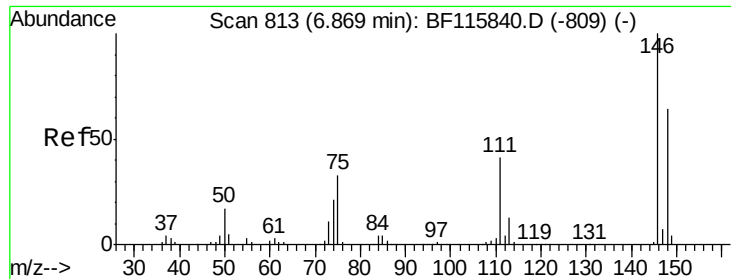
Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Tgt Ion:	146	Resp:	425943
Ion Ratio	Lower	Upper	
146	100		
148	65.4	52.1	78.1
75	31.9	25.0	37.6





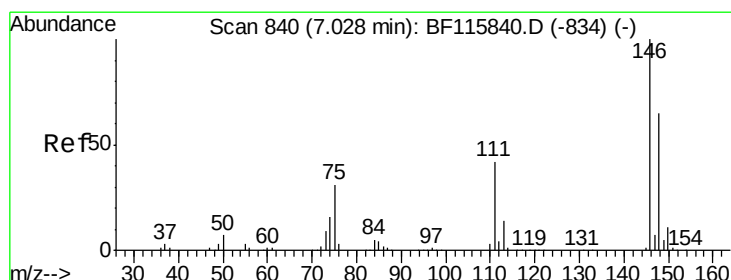
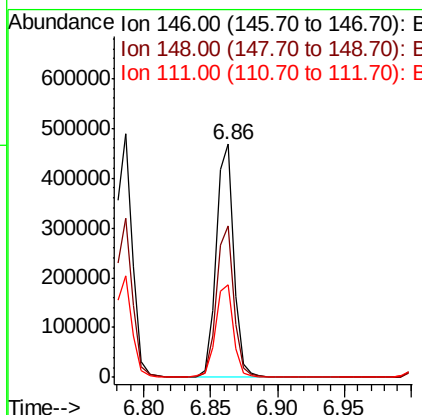
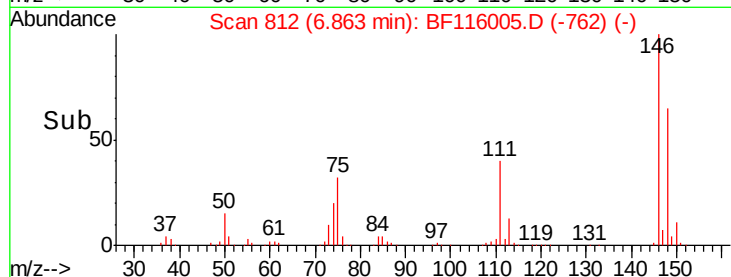
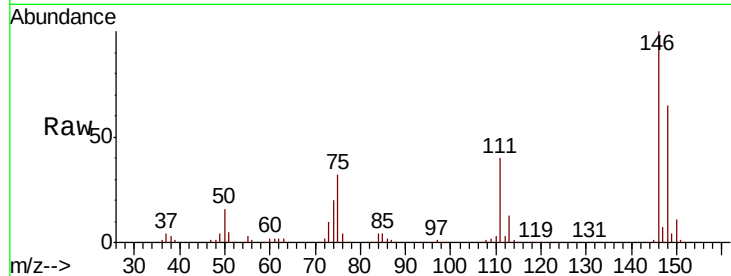
#13
 1,4-Dichlorobenzene
 Concen: 36.655 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.2	76.8
111	39.7	33.2	49.8

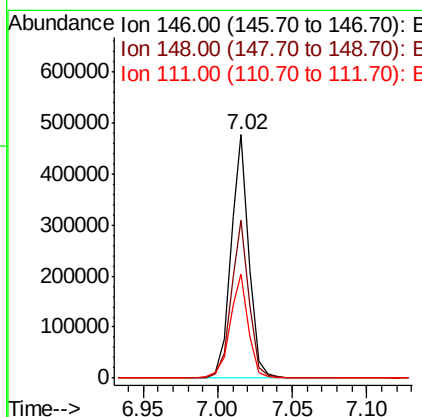
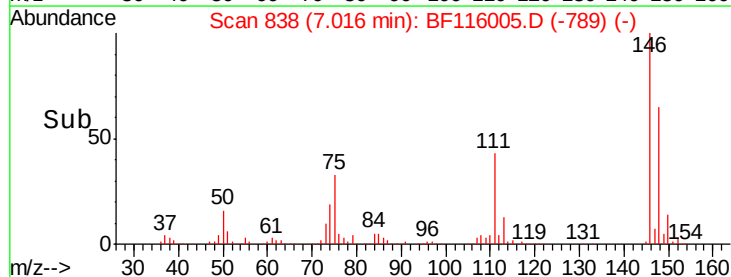
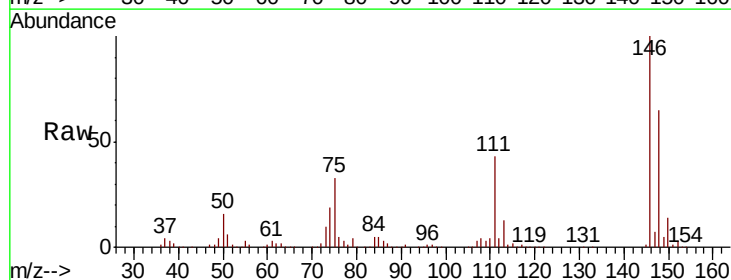
Manual Integrations
 APPROVED

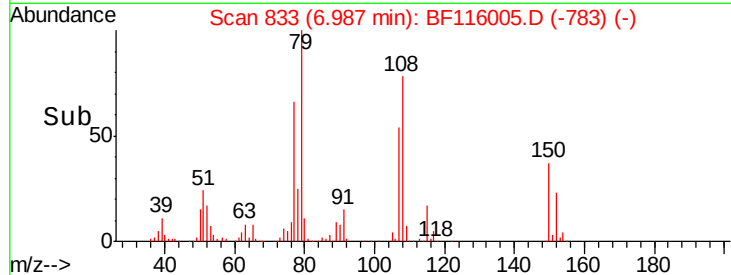
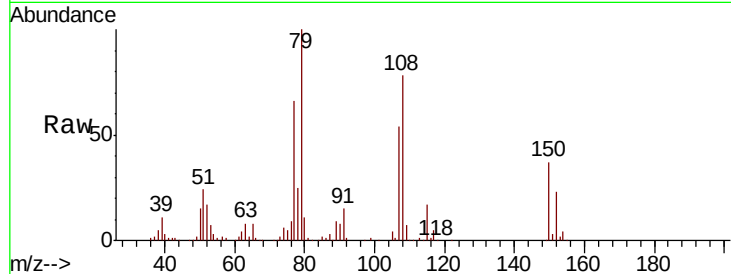
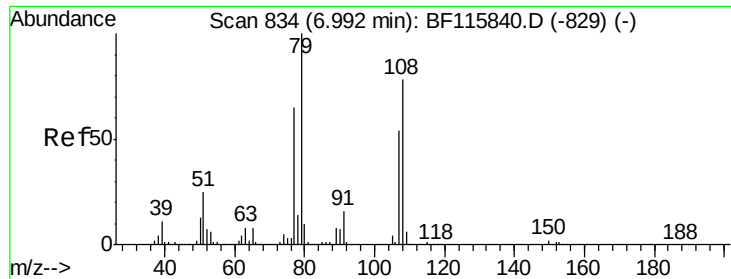
mohammad
 8/7/2019 4:41:37 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.646 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.6	77.4
111	42.6	33.6	50.4





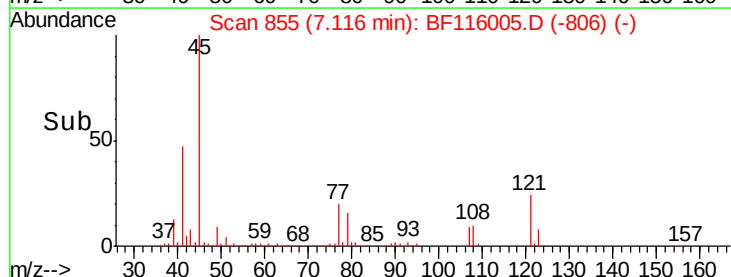
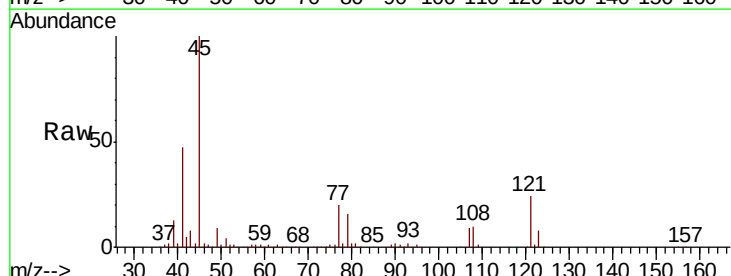
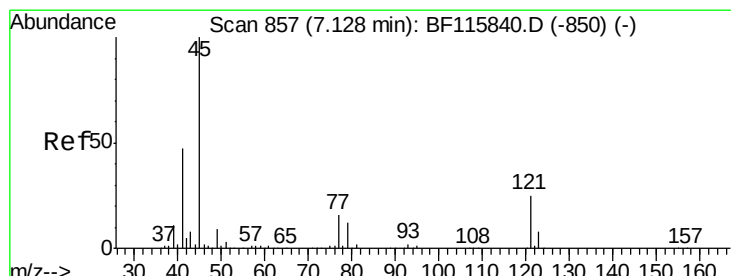
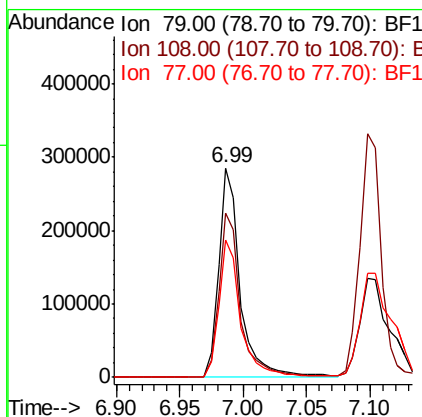
#15
Benzyl Alcohol
Concen: 38.114 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	78.3	62.8	94.2	
77	65.9	52.0	78.0	

Instrument :
BNA_F
ClientSampleId :
PB121978BS

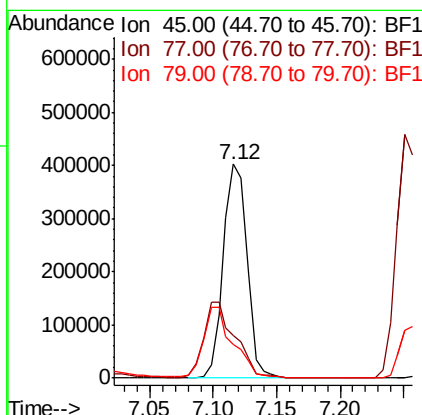
Manual Integrations
APPROVED

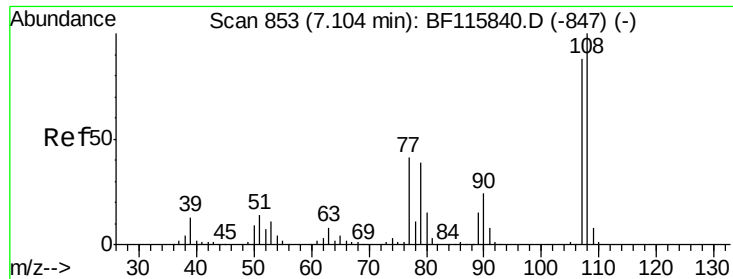
mohammad
8/7/2019 4:41:37 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.759 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	19.8	0.0	36.3	
79	15.5	0.0	32.5	





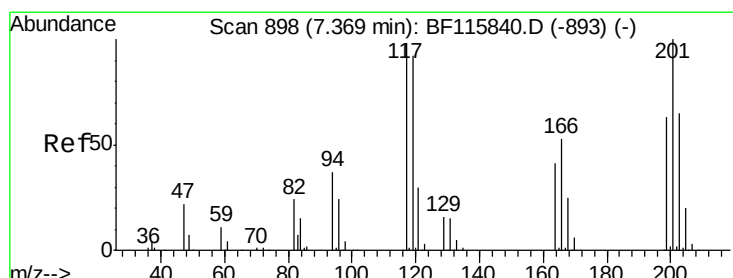
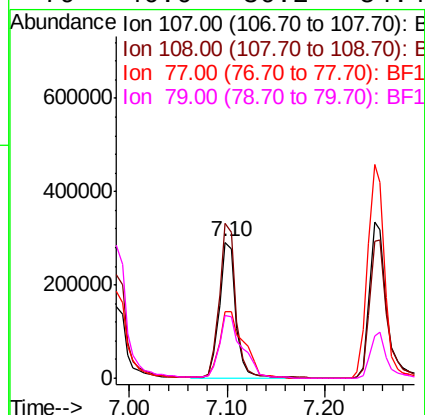
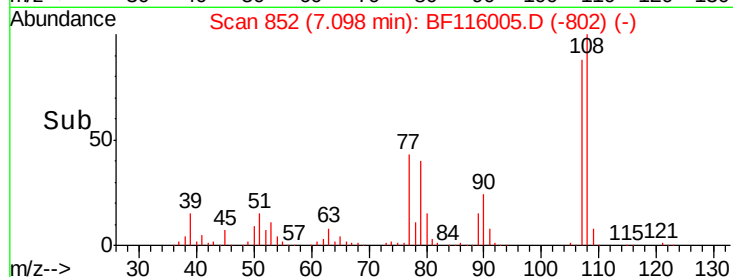
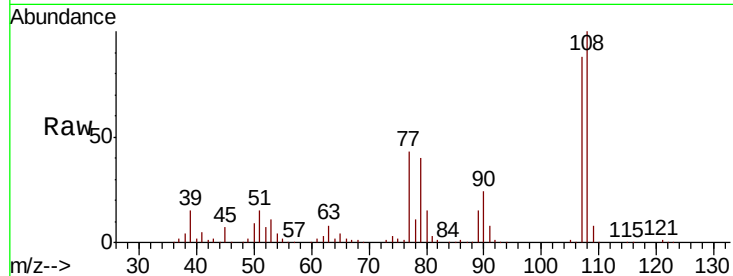
#17
2-Methylphenol
Concen: 39.109 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.6	91.4	137.0	
77	48.5	37.6	56.4	
79	46.0	36.2	54.4	

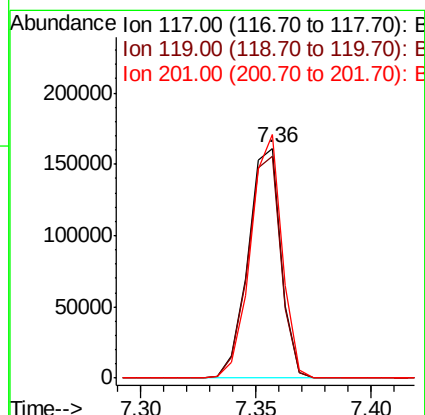
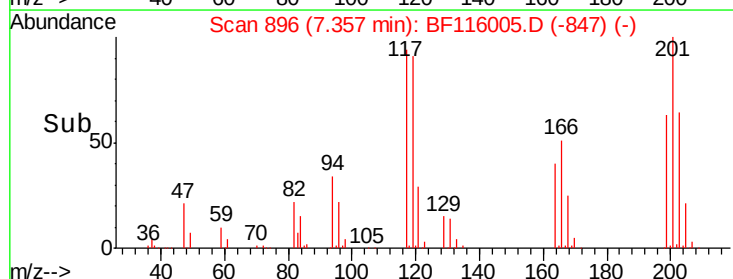
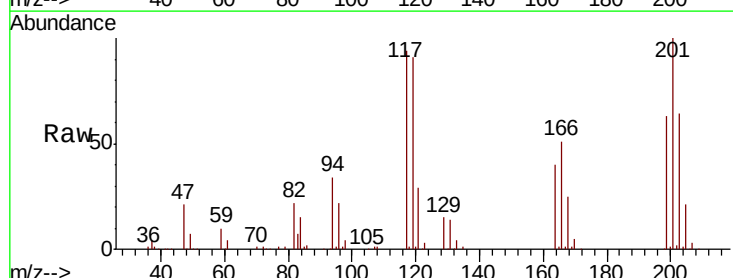
Manual Integrations
APPROVED

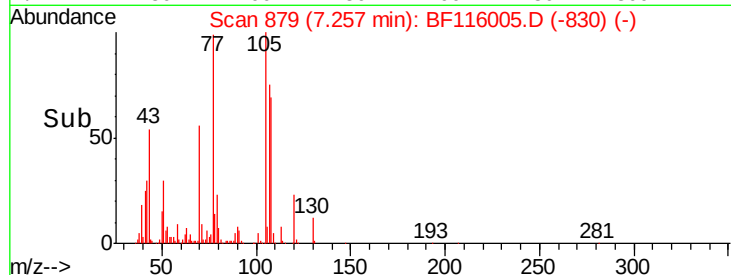
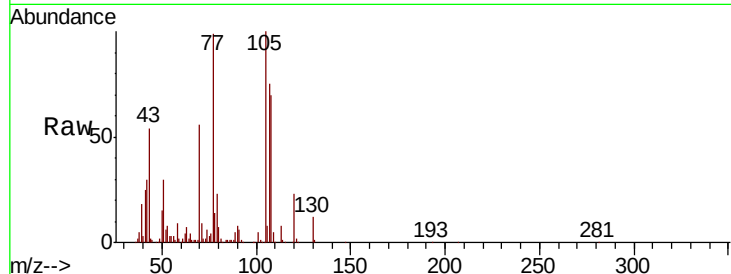
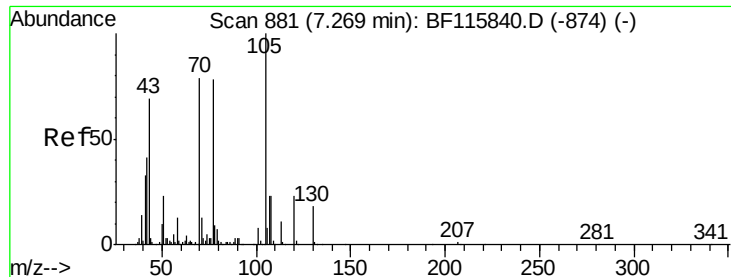
mohammad
8/7/2019 4:41:37 PM



#18
Hexachloroethane
Concen: 36.612 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.4	75.8	113.6	
201	105.9	82.0	123.0	





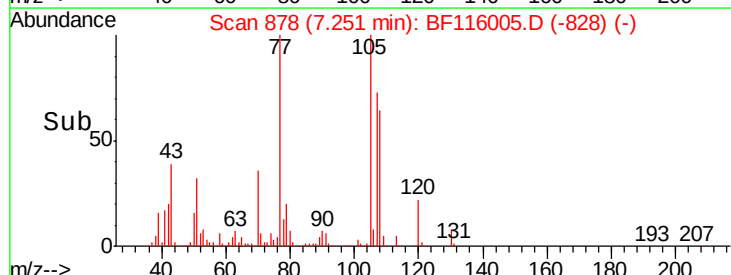
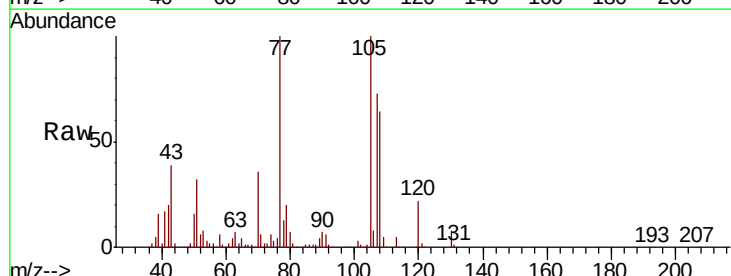
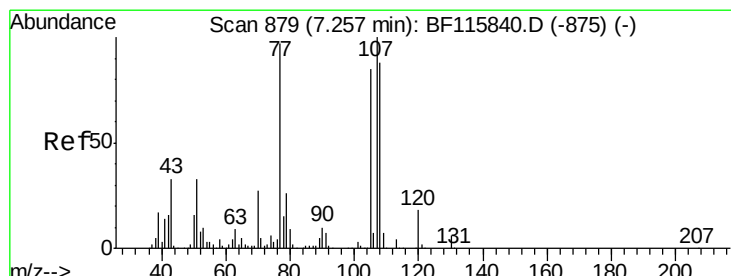
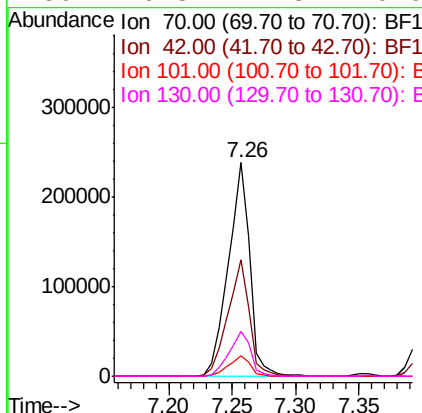
#19
n-Nitroso-di-n-propylamine
Concen: 38.159 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		278000		
42	54.4	41.8	62.8		
101	9.7	7.7	11.5		
130	20.8	17.8	26.6		

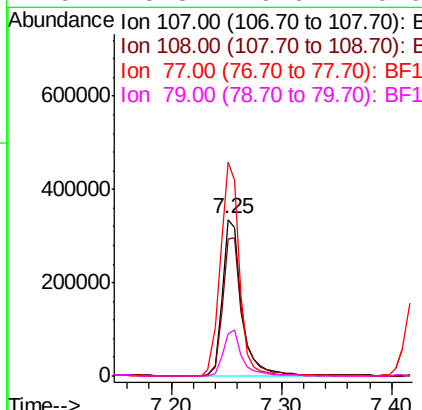
Manual Integrations
APPROVED

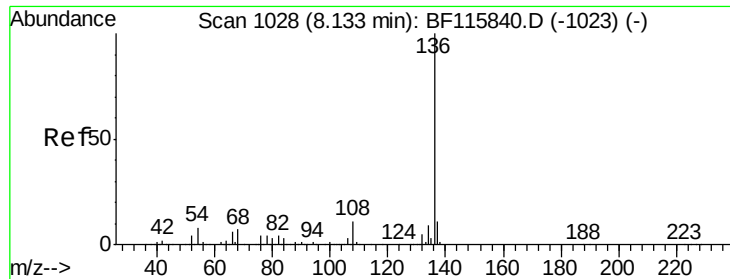
mohammad
8/7/2019 4:41:37 PM



#20
3+4-Methylphenols
Concen: 39.444 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		407254		
108	87.6	67.9	107.9		
77	136.5	77.3	117.3#		
79	26.8	6.6	46.6		





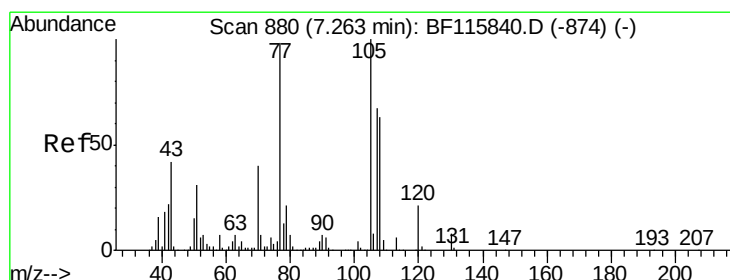
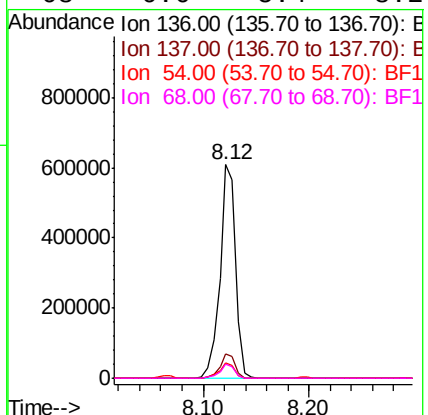
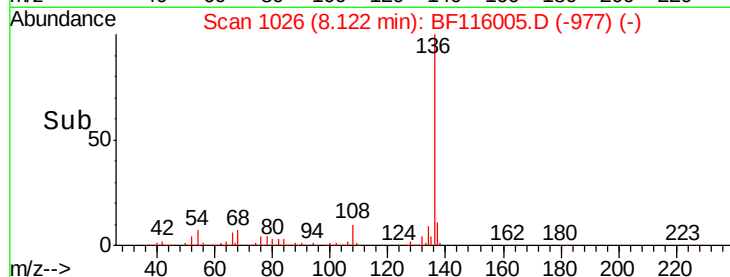
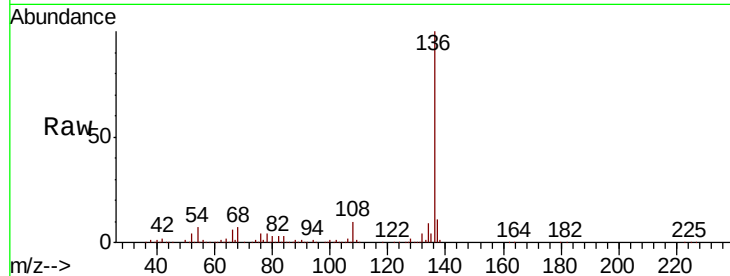
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		632204		
137	11.3		9.1	13.7	
54	7.5		6.1	9.1	
68	6.6		5.4	8.2	

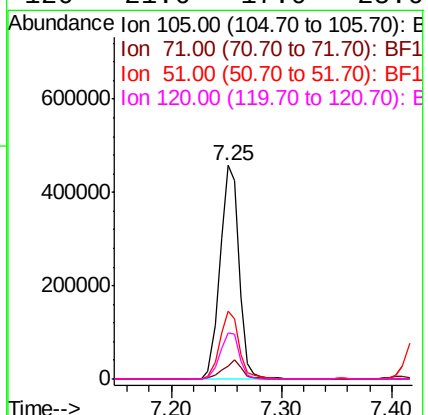
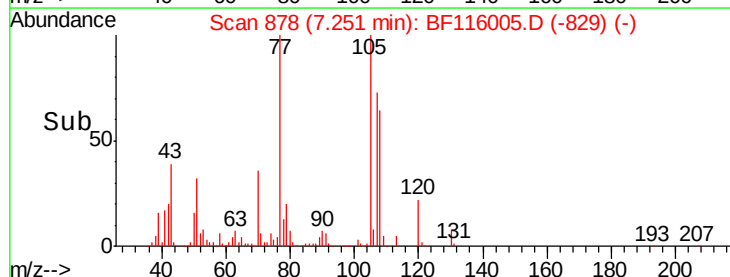
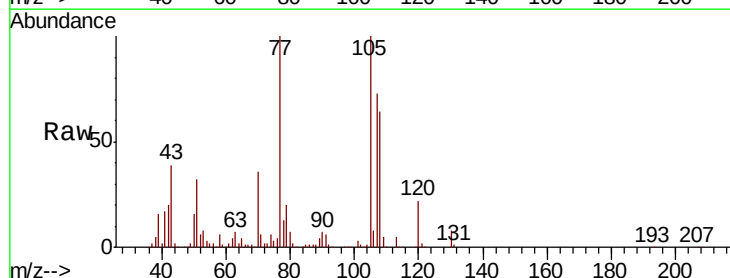
Manual Integrations
APPROVED

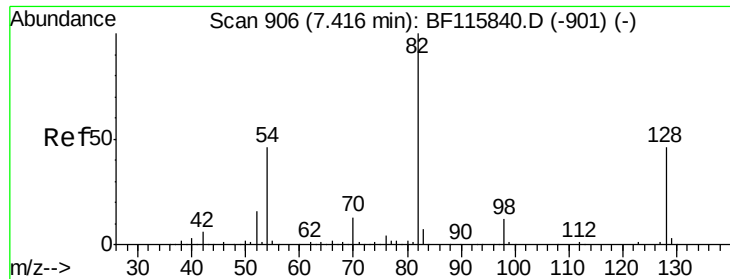
mohammad
8/7/2019 4:41:37 PM



#22
Acetophenone
Concen: 39.608 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		549163		
71	6.1		5.4	8.0	
51	31.8		24.6	36.8	
120	21.6		17.0	25.6	





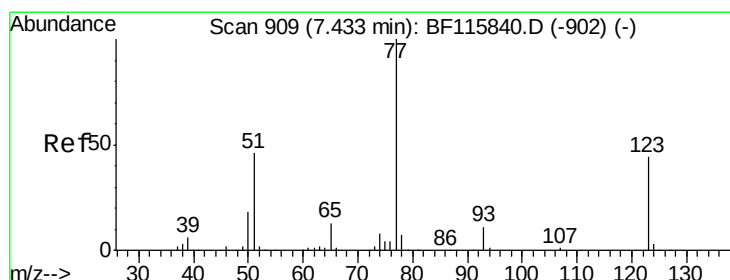
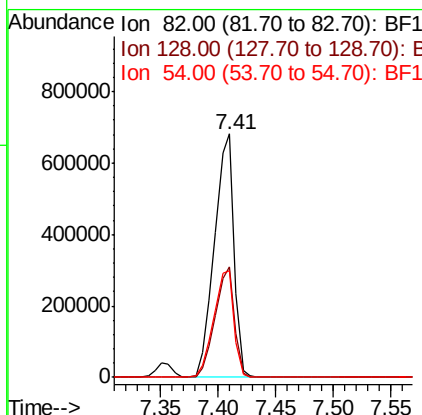
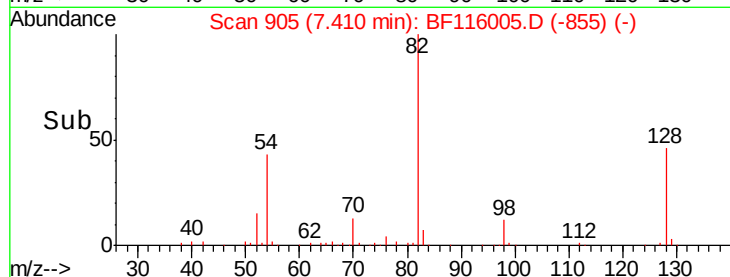
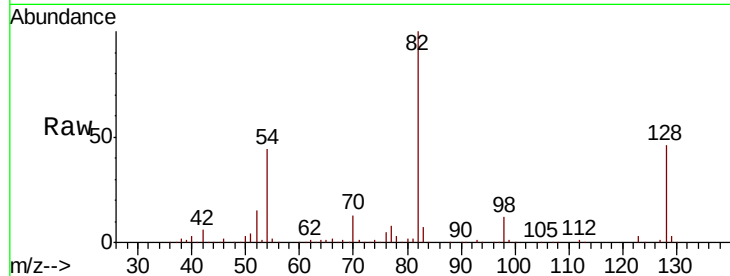
#23
Nitrobenzene-d5
Concen: 73.488 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.6	55.0
54	43.6	36.6	55.0

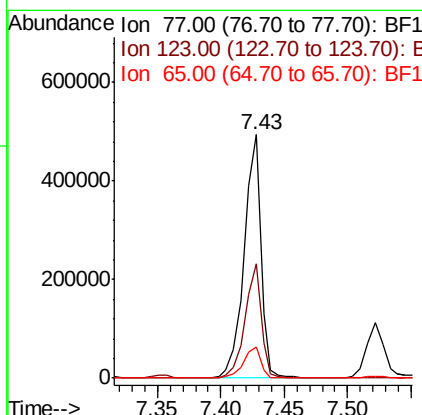
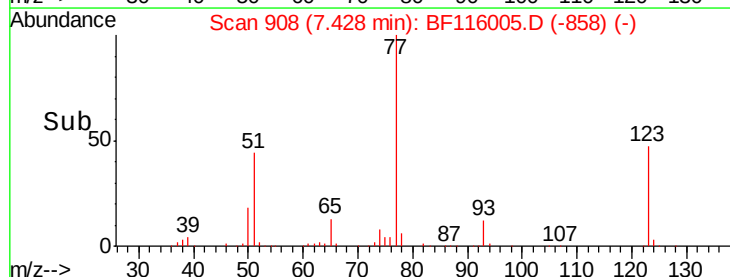
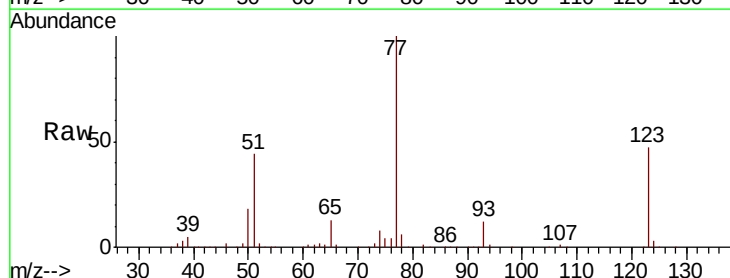
Manual Integrations
APPROVED

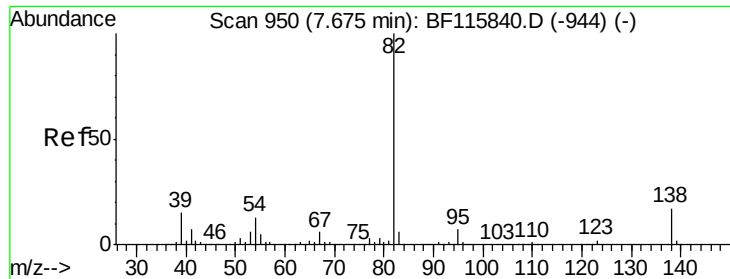
mohammad
8/7/2019 4:41:37 PM



#24
Nitrobenzene
Concen: 38.200 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.0	35.5	53.3
65	13.0	10.6	15.8





#25

Isophorone

Concen: 39.034 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

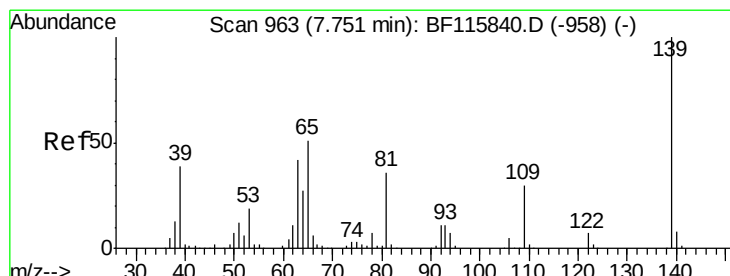
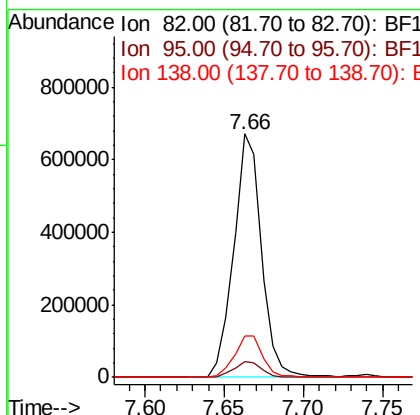
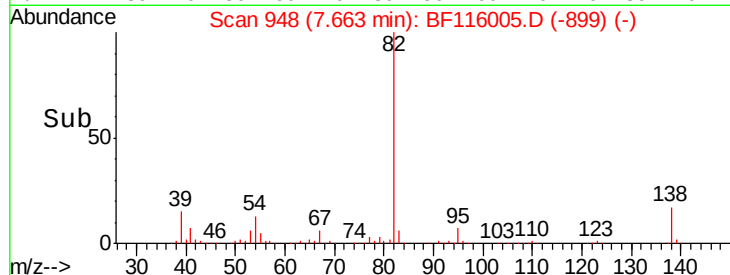
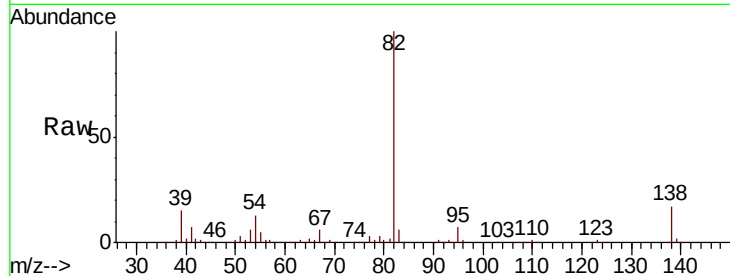
ClientSampleId :

PB121978BS

Tot Ion	82	Resp	817478
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.5	8.3
138	17.2	13.9	20.9

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



#26

2-Nitrophenol

Concen: 40.012 ng

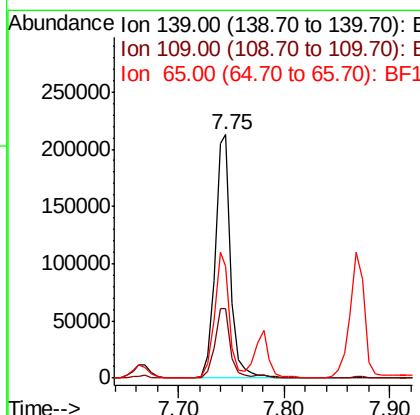
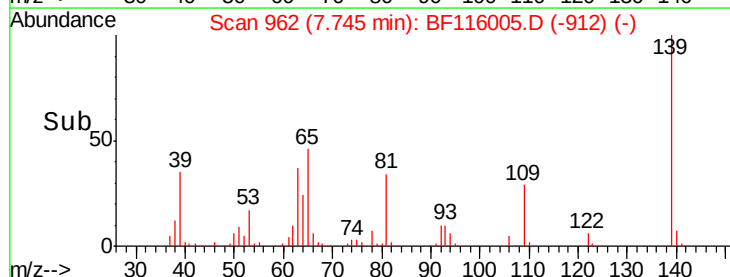
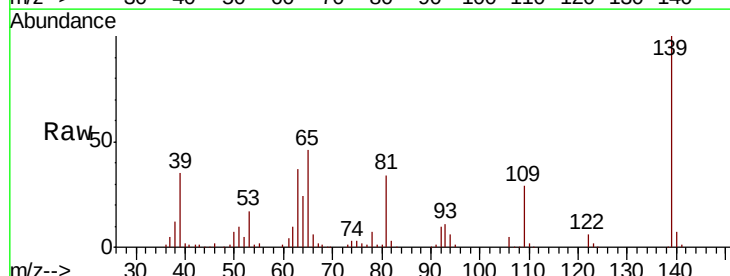
RT: 7.75 min Scan# 962

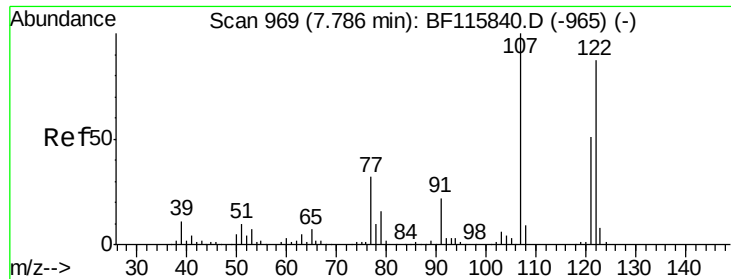
Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Tgt Ion	139	Resp	223050
Ion Ratio	Lower	Upper	
139	100		
109	28.6	23.6	35.4
65	46.0	40.6	60.8





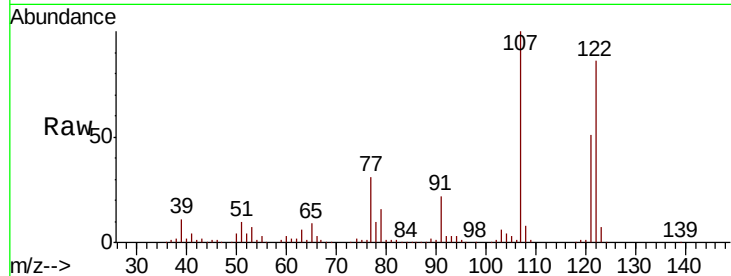
#27
 2,4-Dimethylphenol
 Concen: 43.129 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	361713		
107	116.7	91.7	137.5	
121	58.9	46.6	70.0	

Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:37 PM

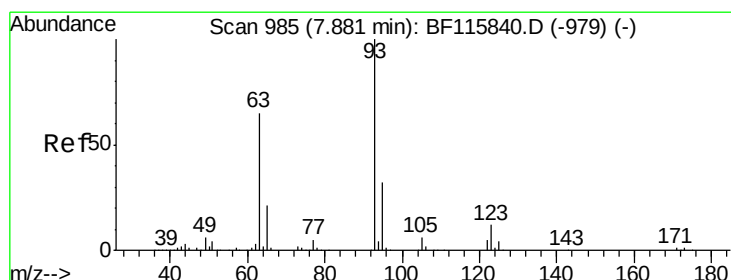
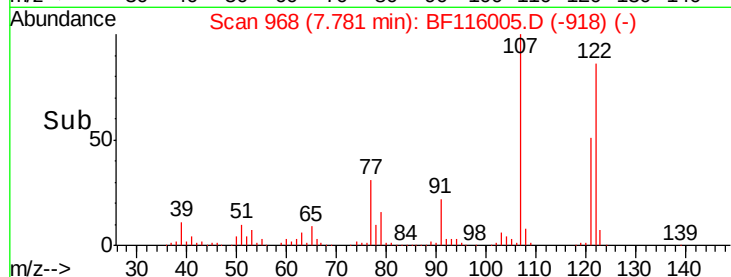
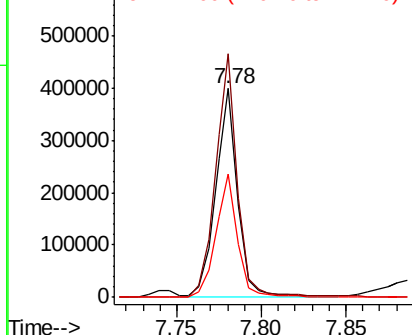


Abundance

Ion 122.00 (121.70 to 122.70): E

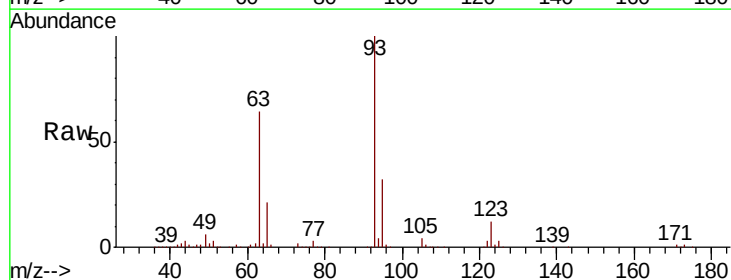
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.699 ng
 RT: 7.87 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	502328		
95	32.5	26.0	39.0	
123	11.6	9.5	14.3	

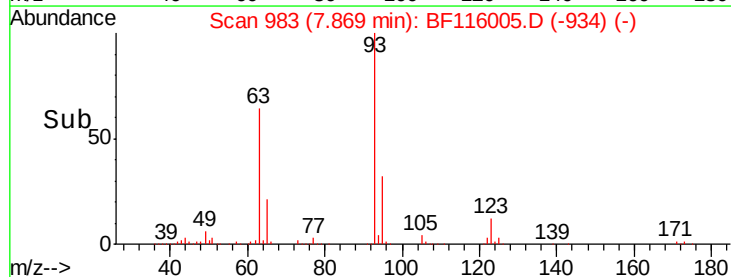
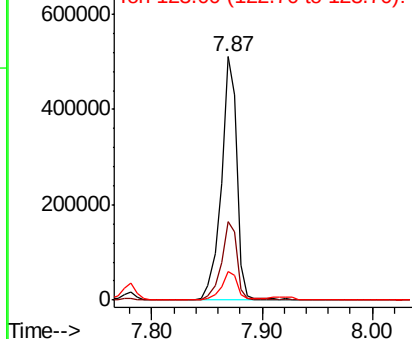


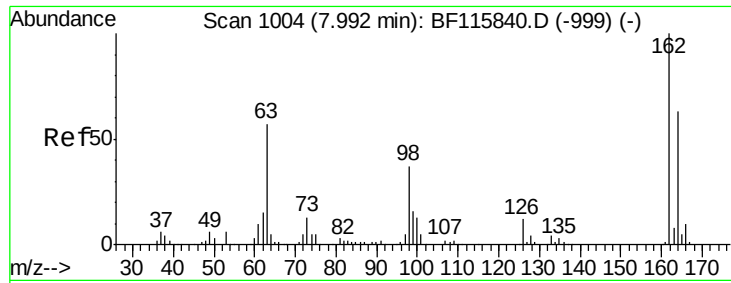
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





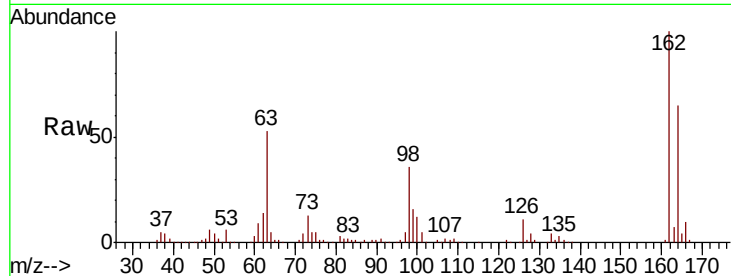
#29
2,4-Dichlorophenol
Concen: 39.671 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.7	43.2	83.2
98	35.6	17.3	57.3

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM

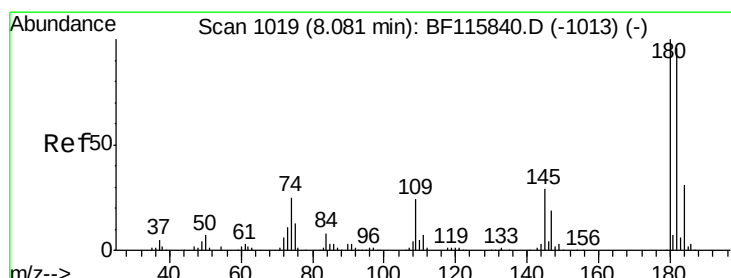
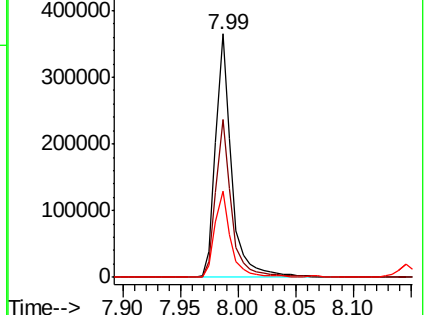
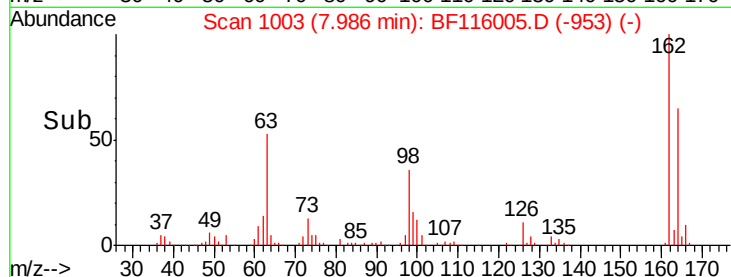


Abundance

Ion 162.00 (161.70 to 162.70): E

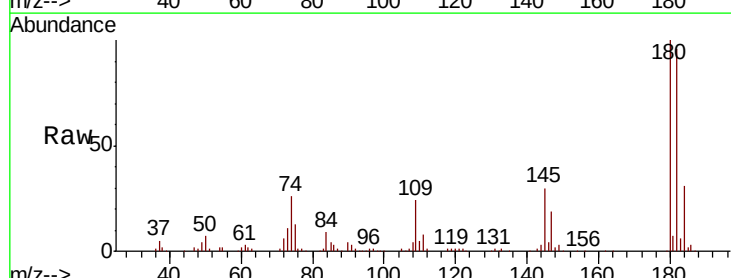
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 37.525 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	76.6	114.8
145	29.7	23.2	34.8

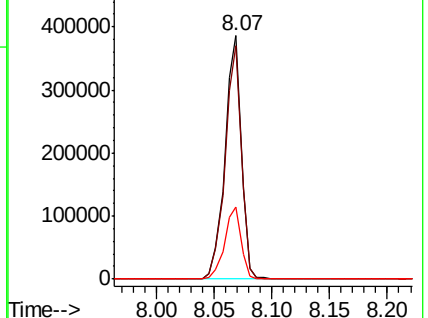
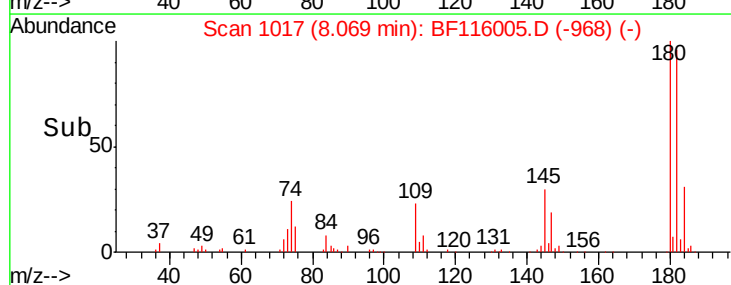


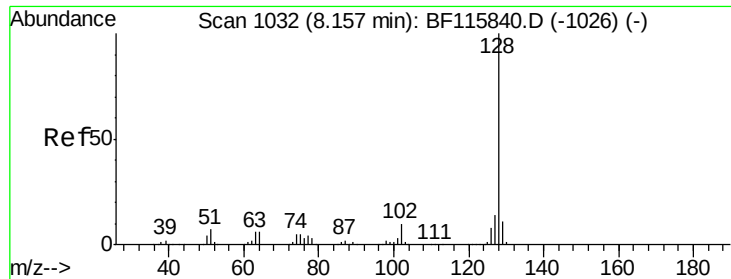
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





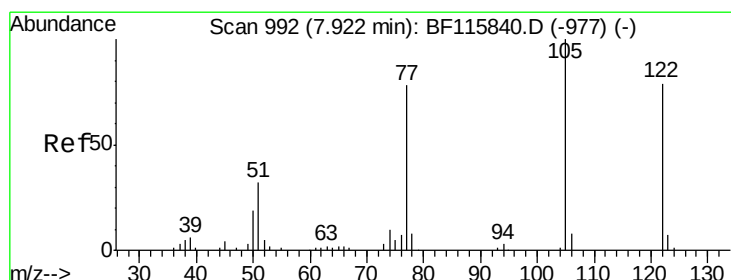
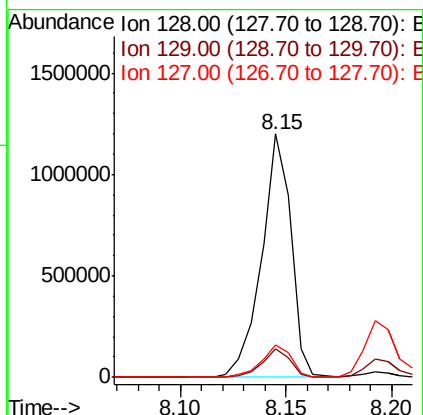
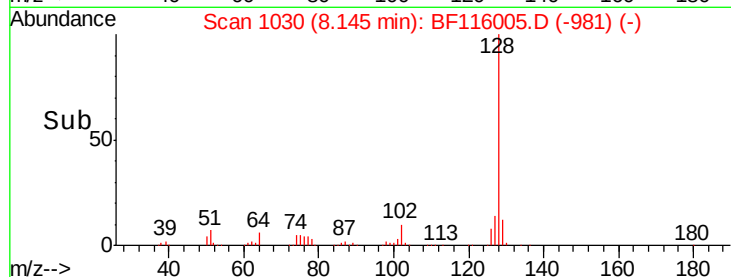
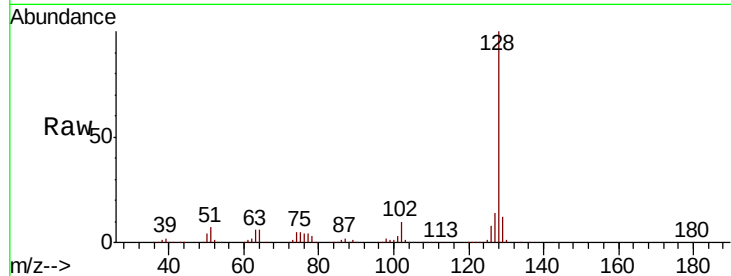
#31
Naphthalene
Concen: 39.173 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.6	11.0	16.4

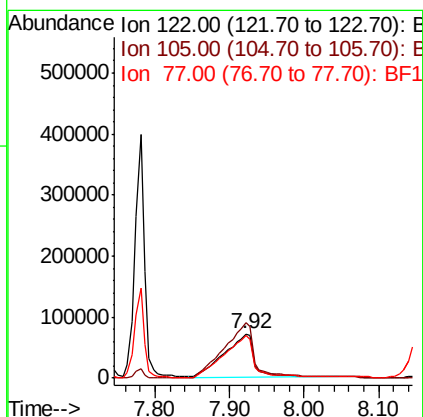
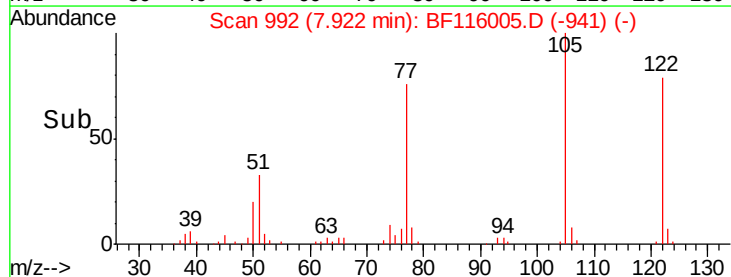
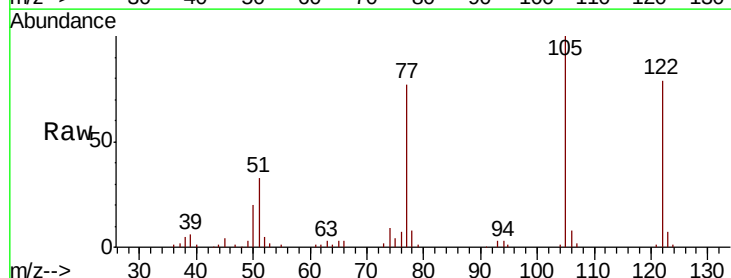
Manual Integrations
APPROVED

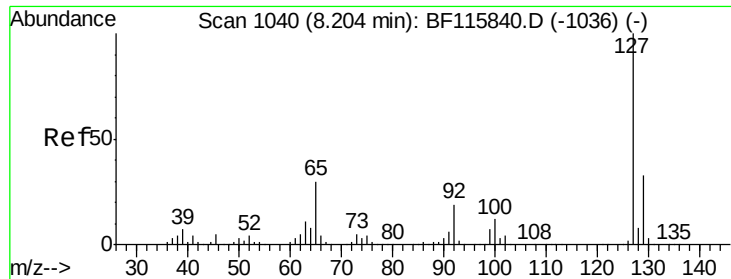
mohammad
8/7/2019 4:41:37 PM



#32
Benzoic acid
Concen: 34.488 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	125.9	103.1	143.1
77	96.8	76.8	116.8





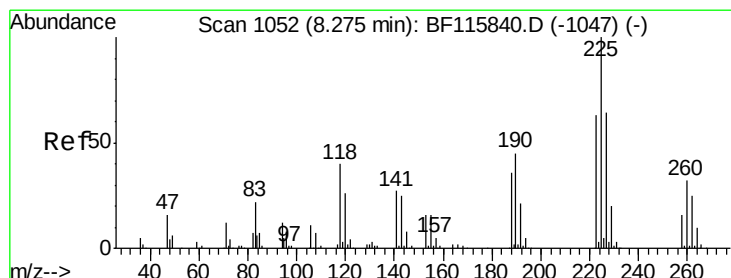
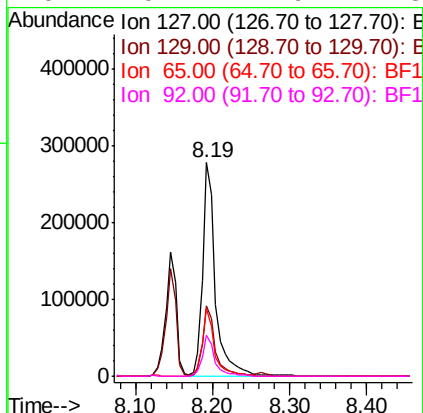
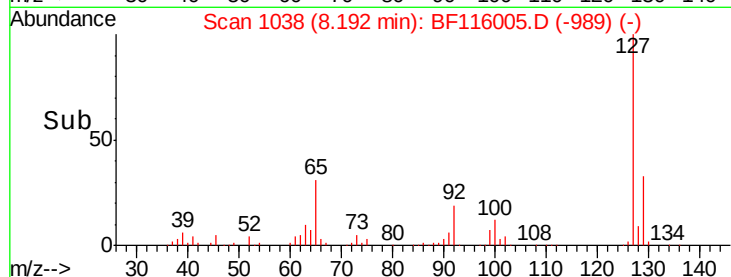
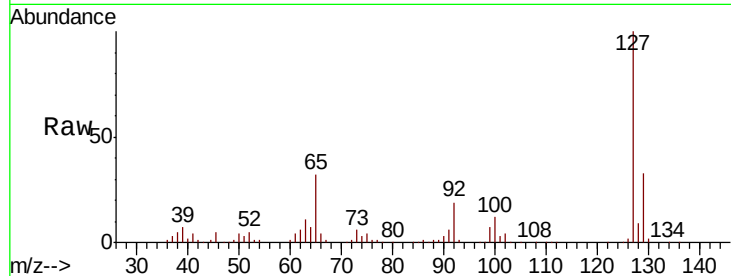
#33
4-Chloroaniline
Concen: 24.602 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.0	26.0	39.0	
65	31.5	23.9	35.9	
92	19.2	14.9	22.3	

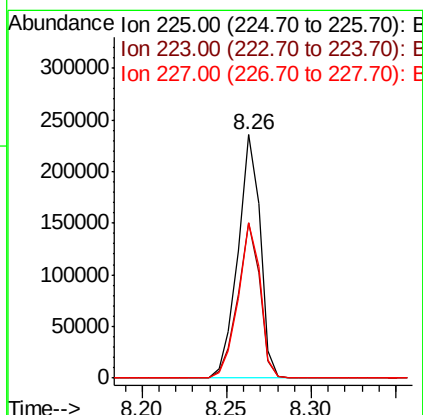
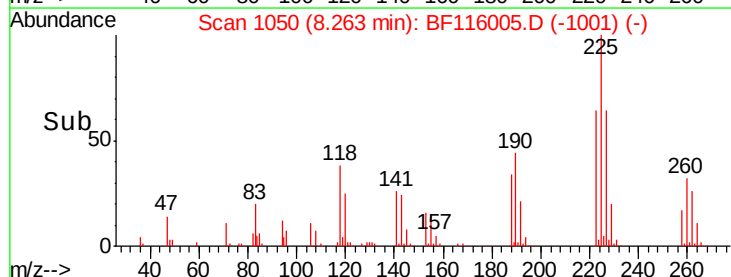
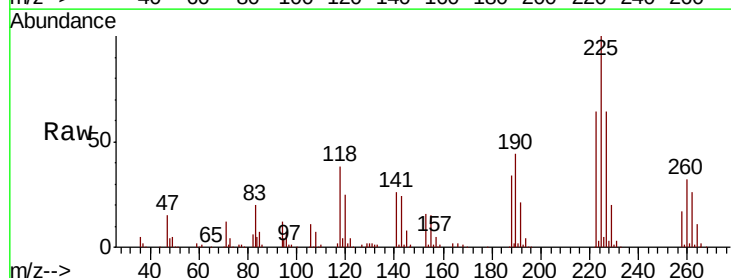
Manual Integrations
APPROVED

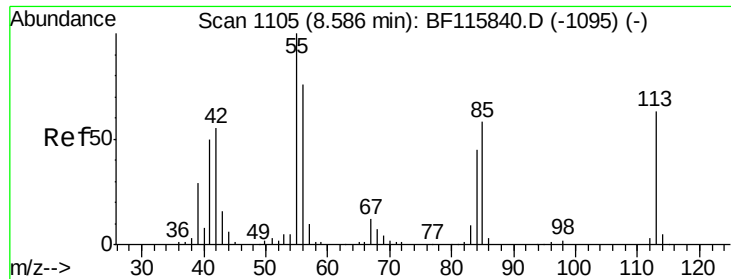
mohammad
8/7/2019 4:41:37 PM



#34
Hexachlorobutadiene
Concen: 37.235 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

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





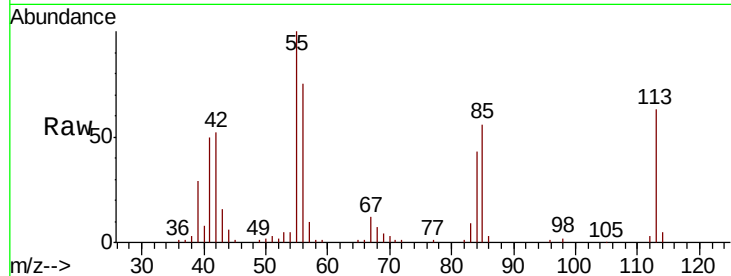
#35
Caprolactam
Concen: 36.512 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleID :
PB121978BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	158.8	138.1	178.1		
56	118.6	100.6	140.6		

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM

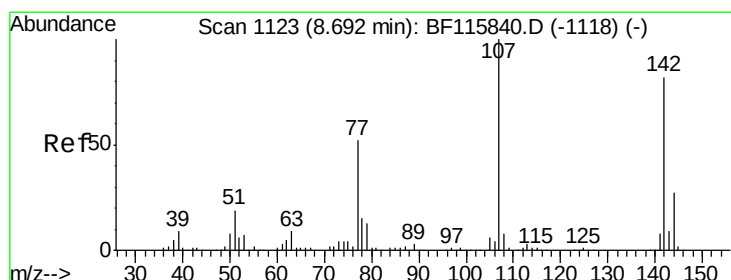
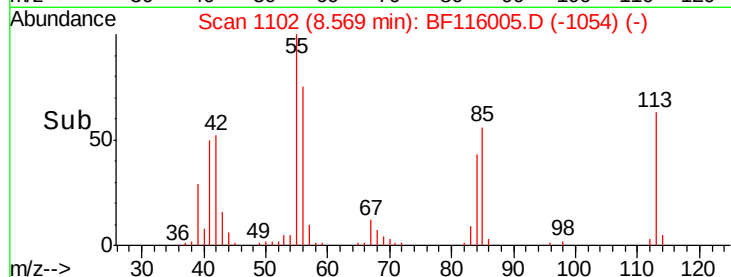
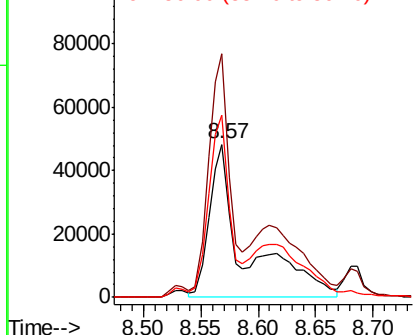


Abundance

Ion 113.00 (112.70 to 113.70): E

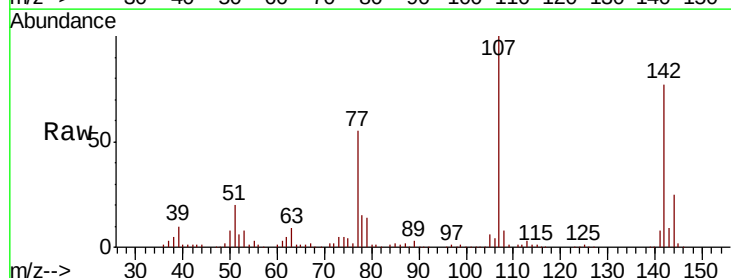
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 39.562 ng/ml
RT: 8.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	24.9	21.4	32.0		
142	77.5	65.5	98.3		

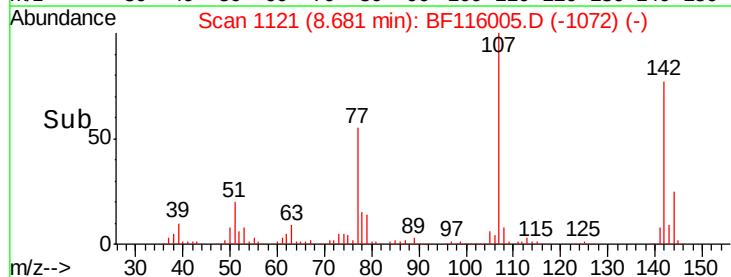
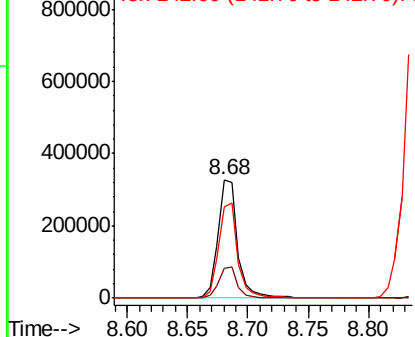


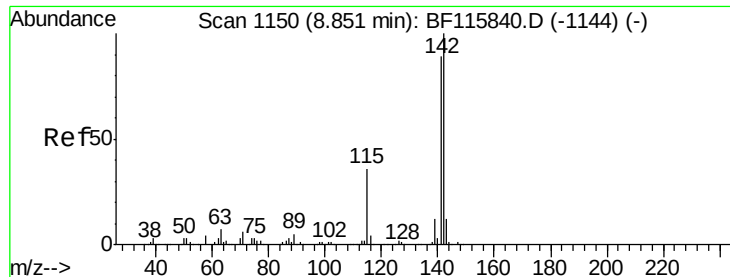
Abundance

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





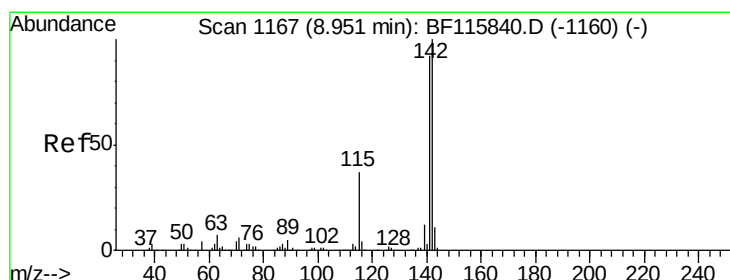
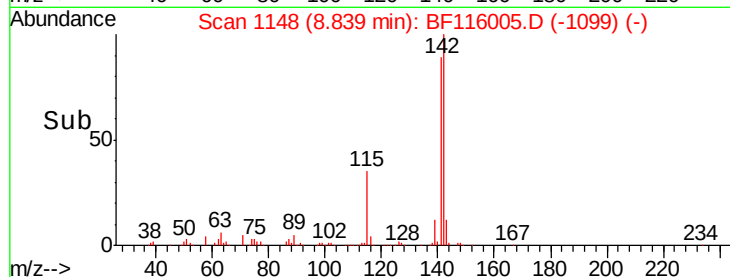
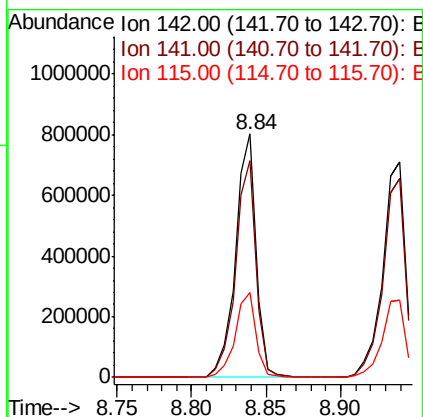
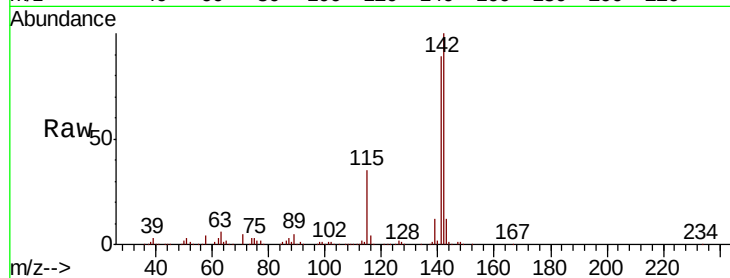
#37
2-Methylnaphthalene
Concen: 39.646 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.2
115	35.0	28.9	43.3

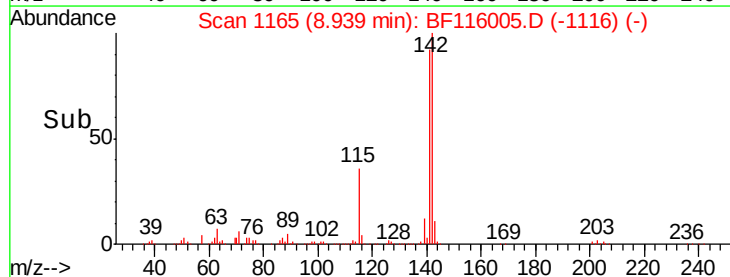
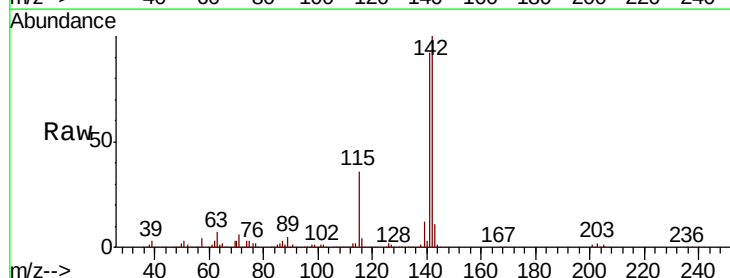
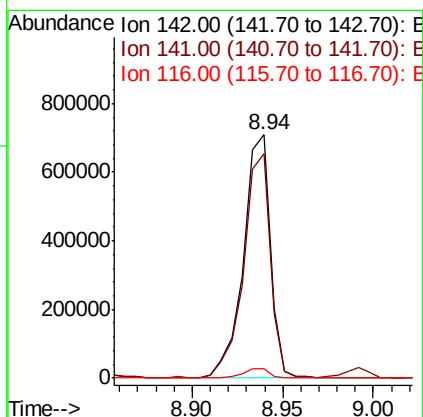
Manual Integrations
APPROVED

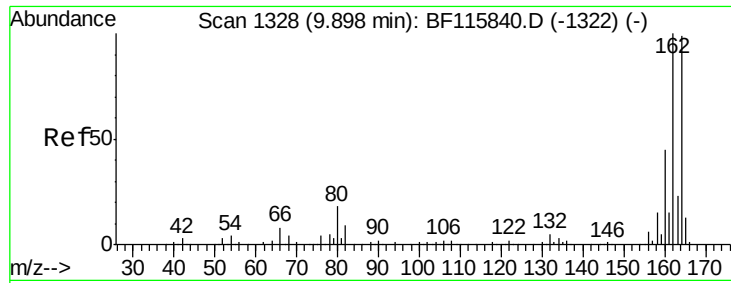
mohammad
8/7/2019 4:41:37 PM



#38
1-Methylnaphthalene
Concen: 39.469 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

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





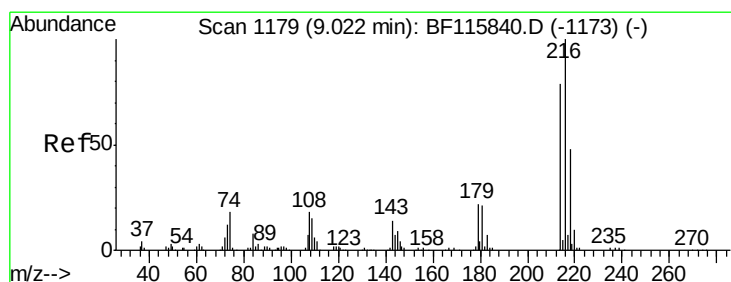
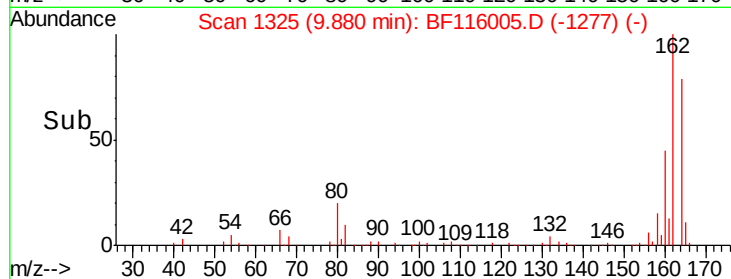
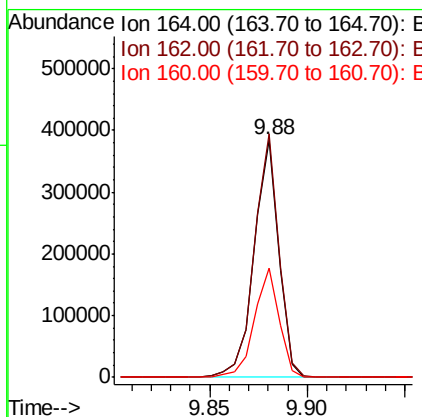
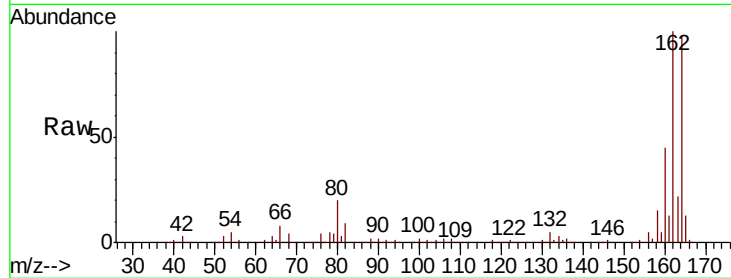
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.8	121.2
160	45.9	36.2	54.4

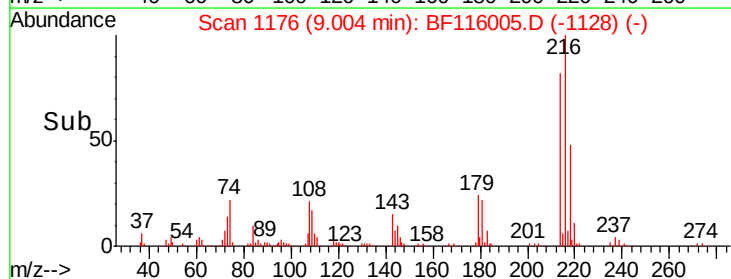
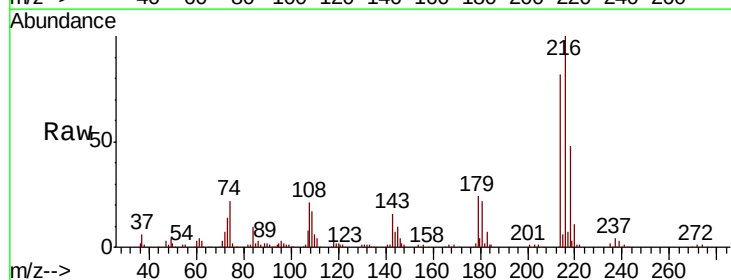
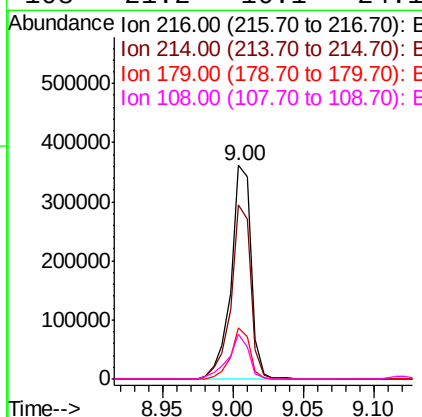
Manual Integrations
APPROVED

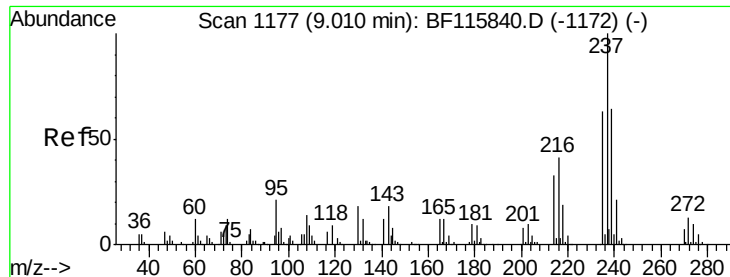
mohammad
8/7/2019 4:41:37 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.766 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.8	94.2
179	22.5	17.6	26.4
108	21.2	16.1	24.1





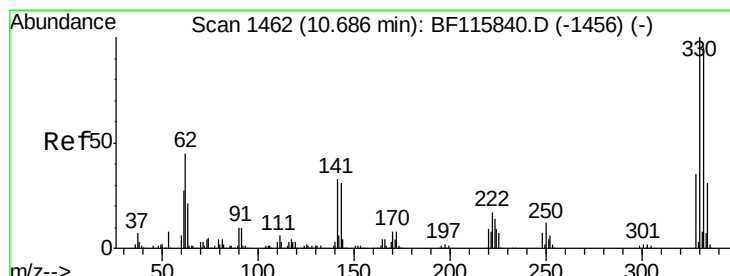
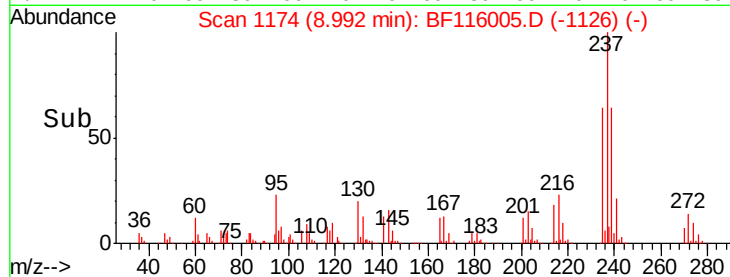
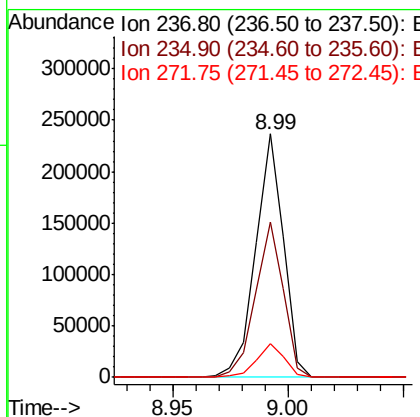
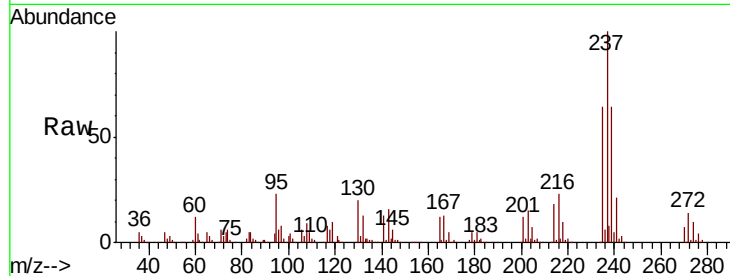
#41
Hexachlorocyclopentadiene
Concen: 51.580 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion:	237	Resp:	199619
Ion Ratio	Lower	Upper	
237	100		
235	63.5	42.5	82.5
272	13.7	0.0	33.3

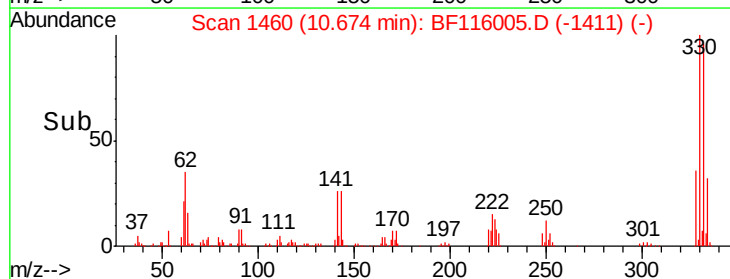
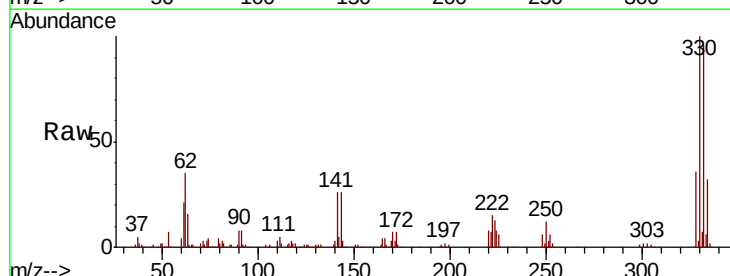
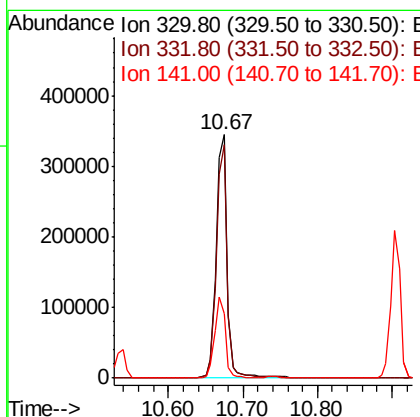
Manual Integrations
APPROVED

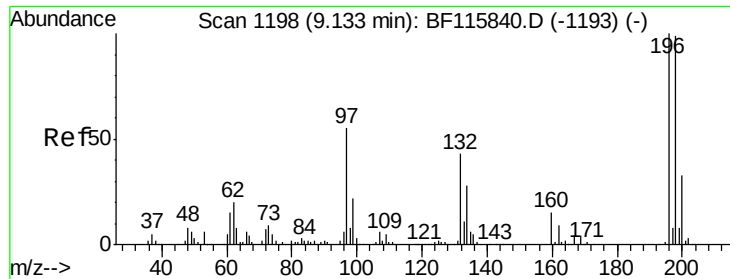
mohammad
8/7/2019 4:41:37 PM



#42
2,4,6-Tribromophenol
Concen: 106.198 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion:	330	Resp:	347312
Ion Ratio	Lower	Upper	
330	100		
332	94.5	77.7	116.5
141	33.2	28.1	42.1





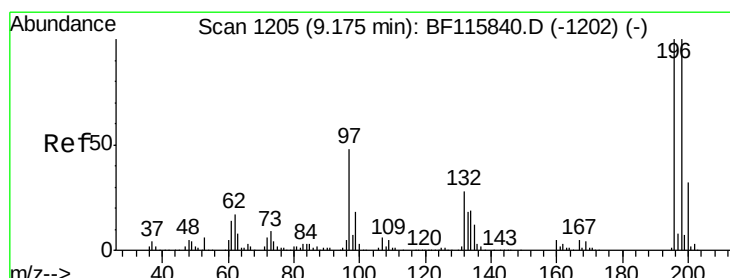
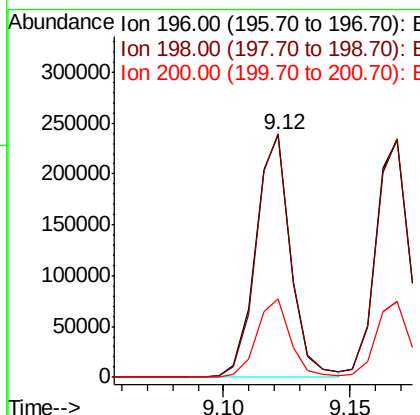
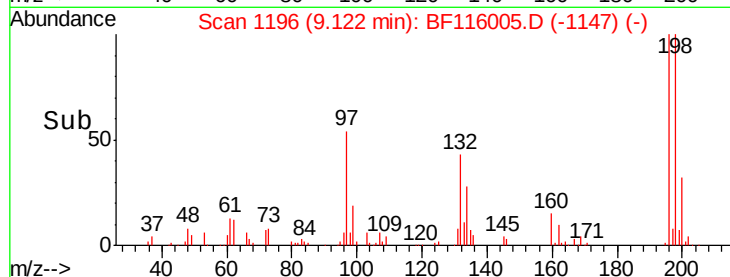
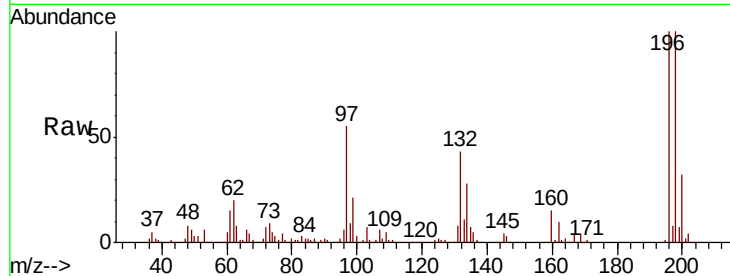
#43
 2,4,6-Trichlorophenol
 Concen: 36.959 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	229415		
198	100.5	79.1	118.7	
200	32.3	26.0	39.0	

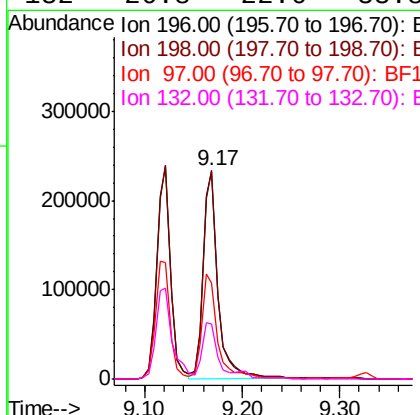
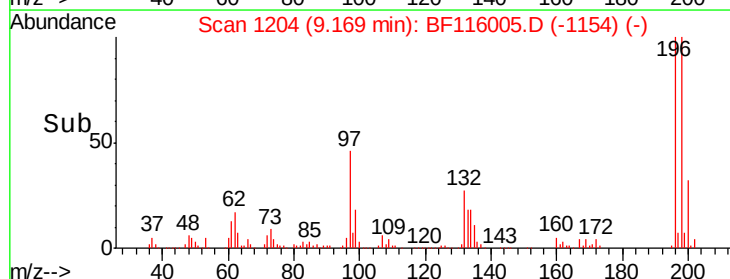
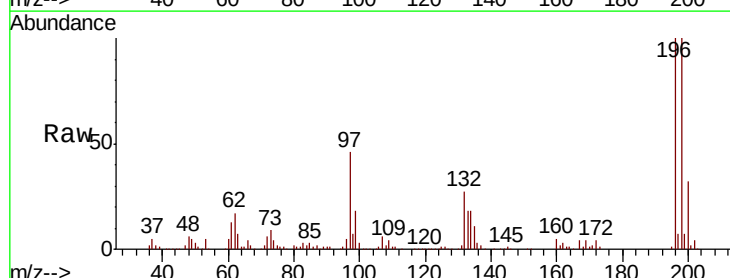
Manual Integrations
 APPROVED

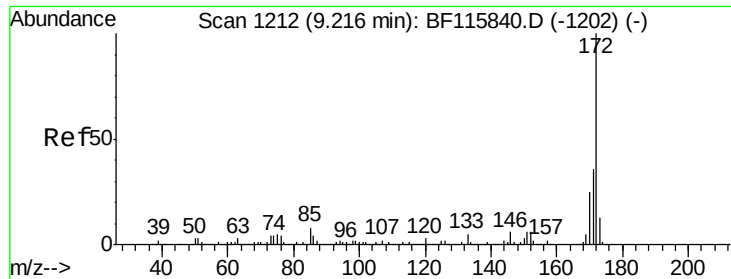
mohammad
 8/7/2019 4:41:37 PM



#44
 2,4,5-Trichlorophenol
 Concen: 38.330 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	245938		
198	100.4	80.1	120.1	
97	46.3	38.9	58.3	
132	26.8	22.6	33.8	





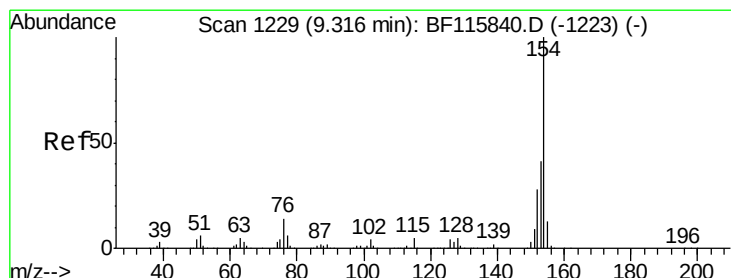
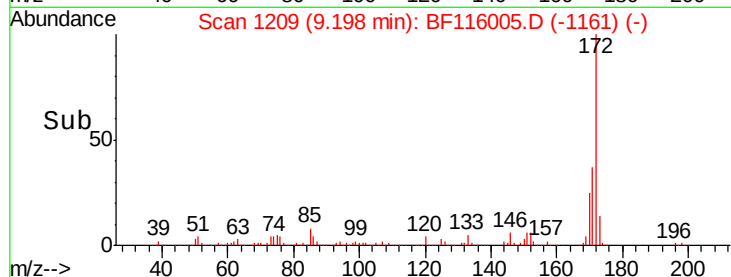
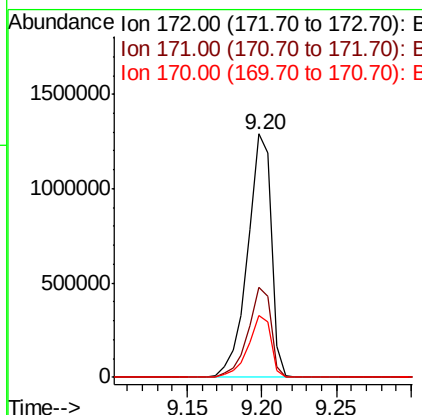
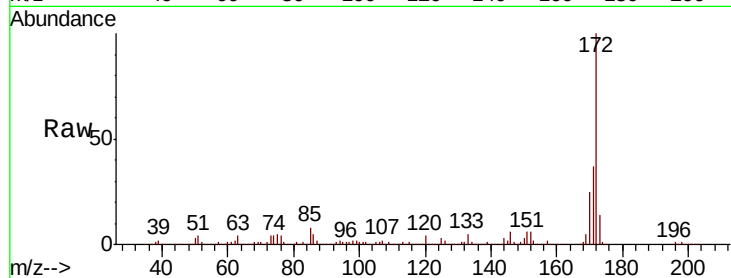
#45
2-Fluorobiphenyl
Concen: 78.238 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.1	43.7
170	25.3	20.1	30.1

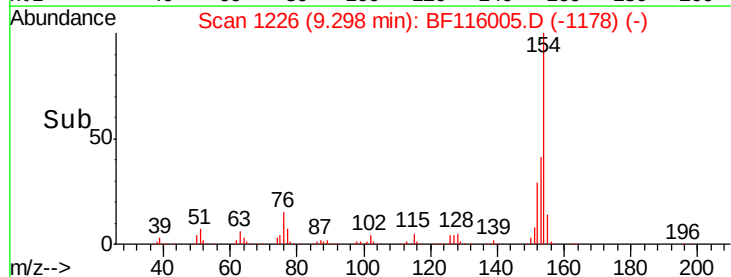
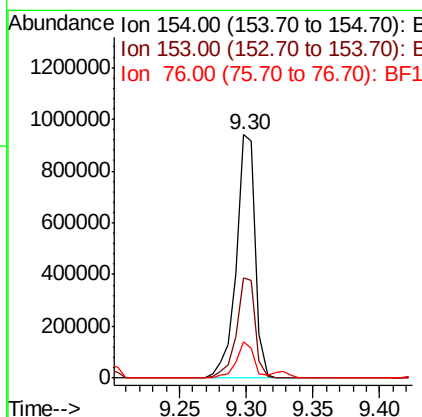
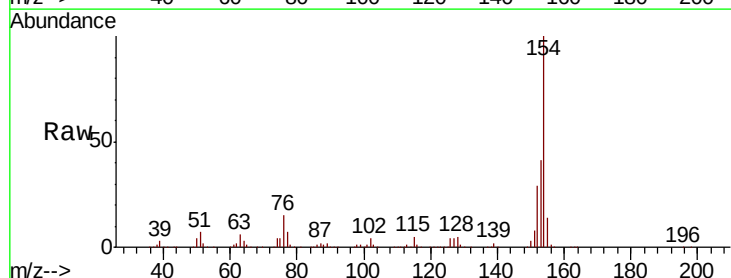
Manual Integrations
APPROVED

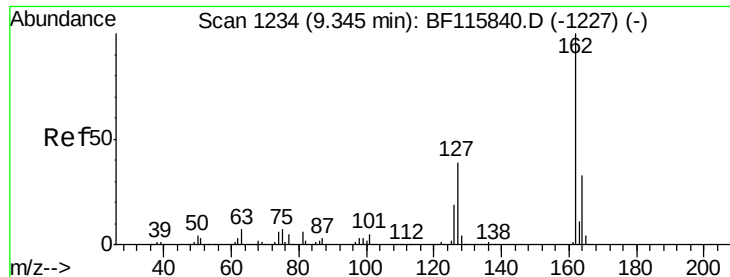
mohammad
8/7/2019 4:41:37 PM



#46
1,1'-Biphenyl
Concen: 39.435 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	15.1	0.0	34.3





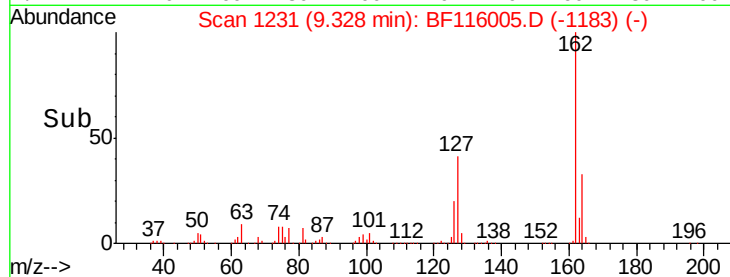
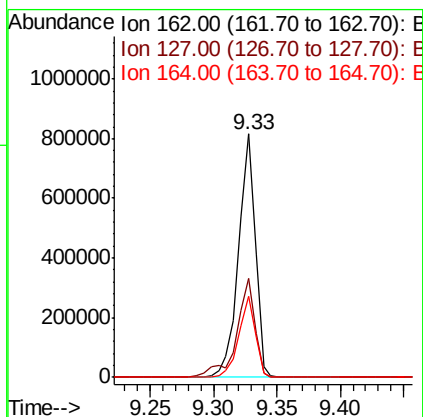
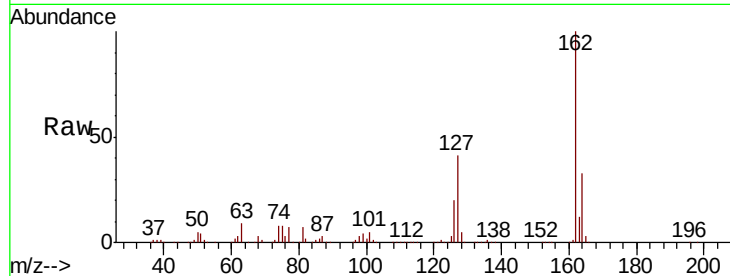
#47
2-Chloronaphthalene
Concen: 37.434 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.7	31.3	46.9	
164	33.5	26.6	40.0	

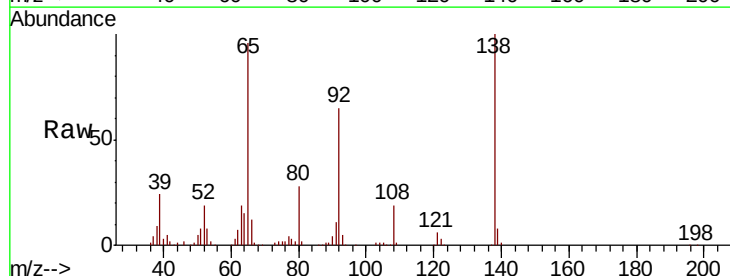
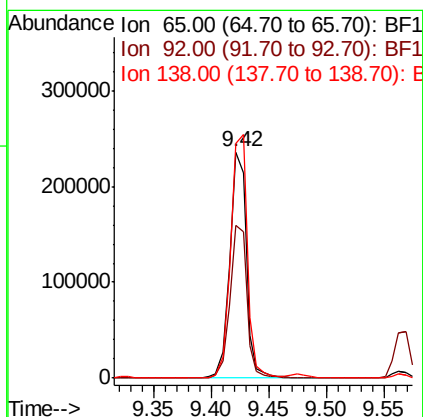
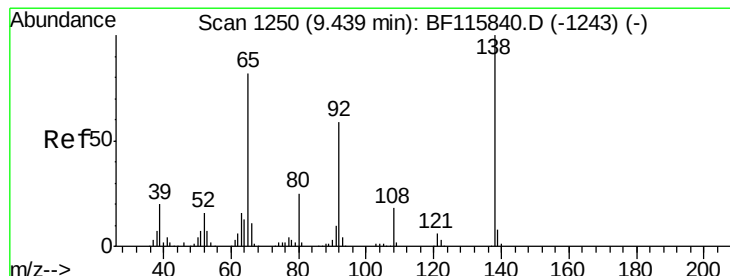
Manual Integrations
APPROVED

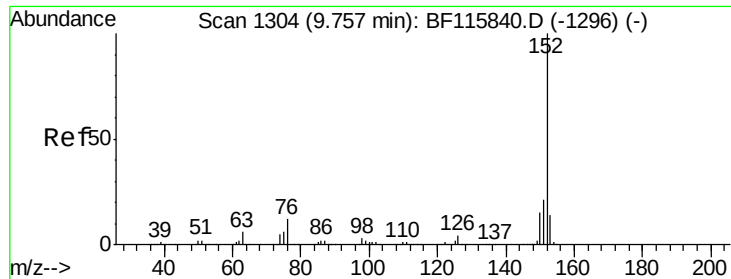
mohammad
8/7/2019 4:41:37 PM



#48
2-Nitroaniline
Concen: 36.059 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	67.7	57.1	85.7	
138	103.9	97.1	145.7	





#49

Acenaphthylene

Concen: 38.959 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

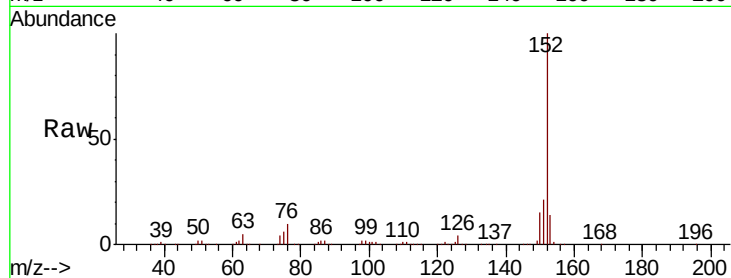
ClientSampled :

PB121978BS

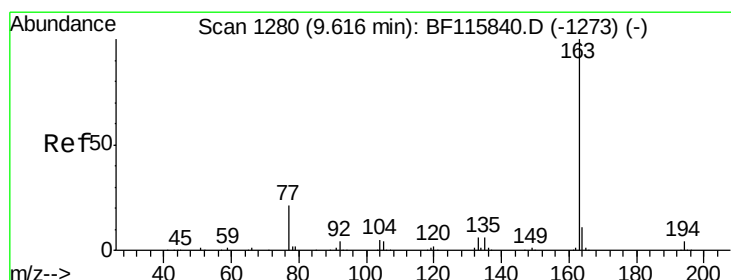
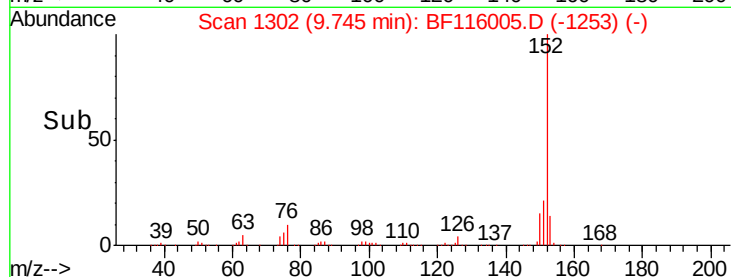
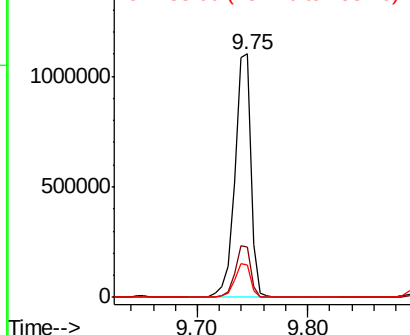
Tot Ion:	152	Resp:	1126571
Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	13.6	11.6	17.4

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



Abundance Ion 152.00 (151.70 to 152.70): E
1500000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.749 ng

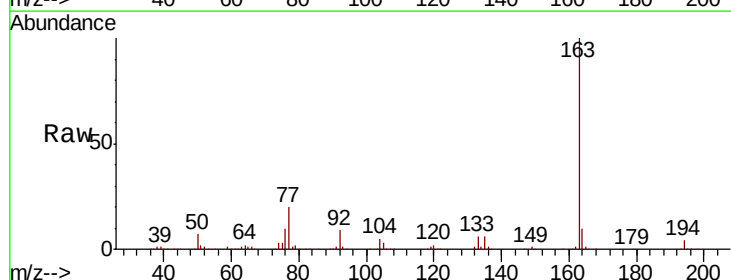
RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

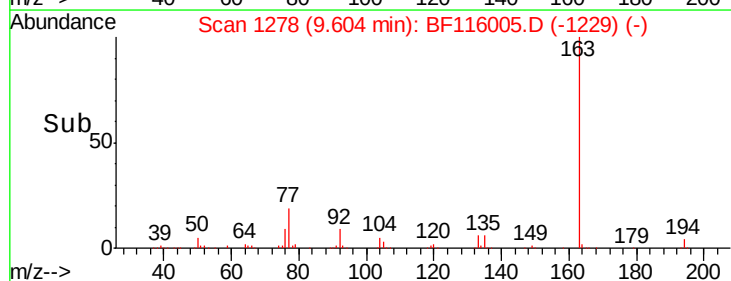
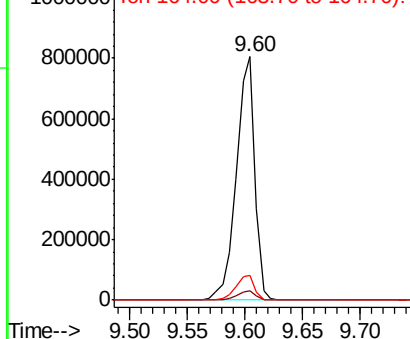
Lab File: BF116005.D

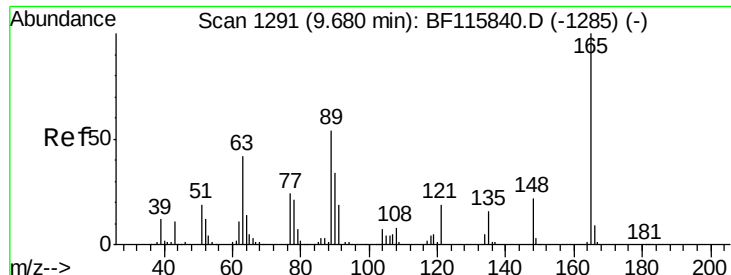
Acq: 6 Aug 2019 11:36

Tgt Ion:	163	Resp:	889988
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
1000000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 38.717 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

ClientSampleId :

PB121978BS

Tot Ion:165 Resp: 193247
Ion Ratio Lower Upper

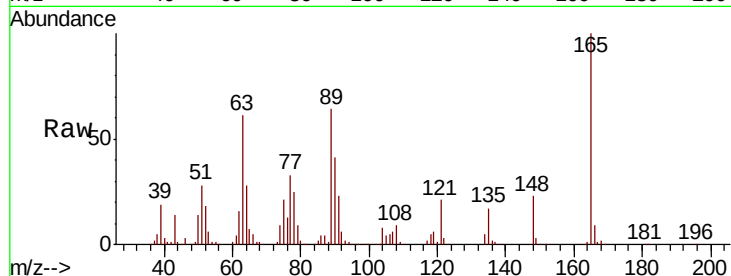
165 100

63 61.3 39.4 59.2#

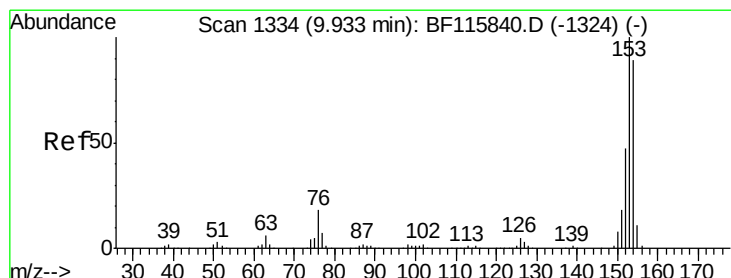
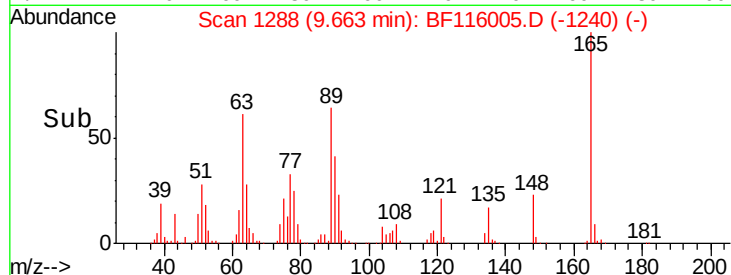
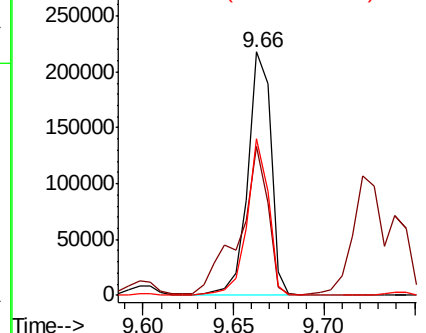
89 64.2 43.0 64.6

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 38.127 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF116005.D

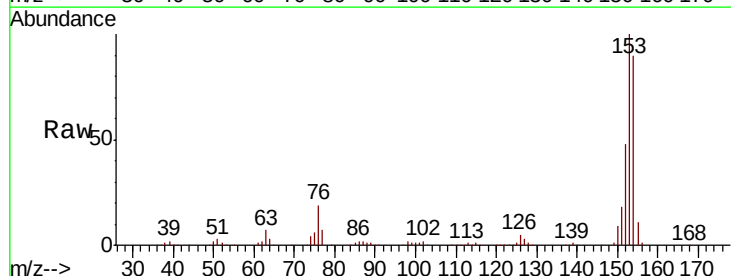
Acq: 6 Aug 2019 11:36

Tgt Ion:154 Resp: 676372
Ion Ratio Lower Upper

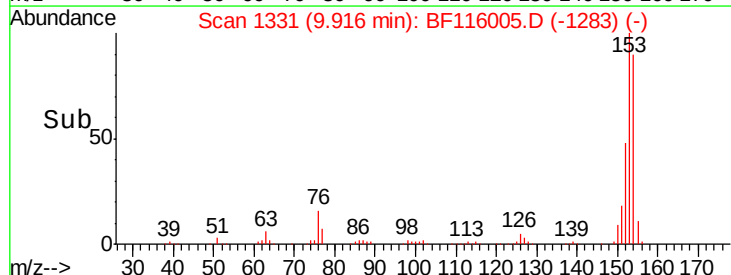
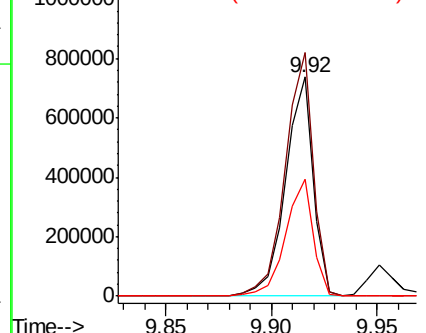
154 100

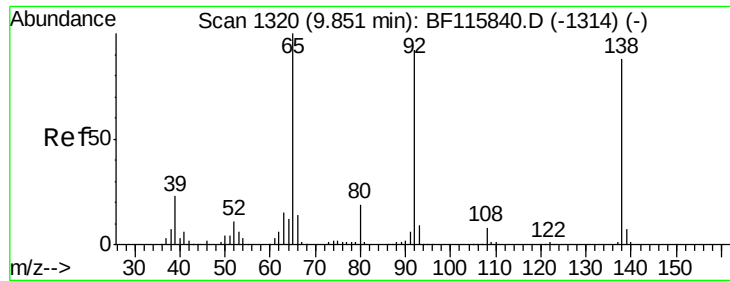
153 111.2 90.1 135.1

152 53.2 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





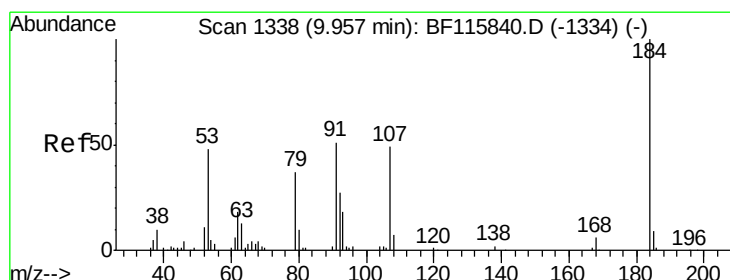
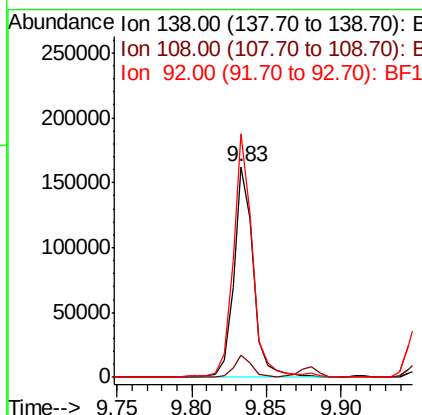
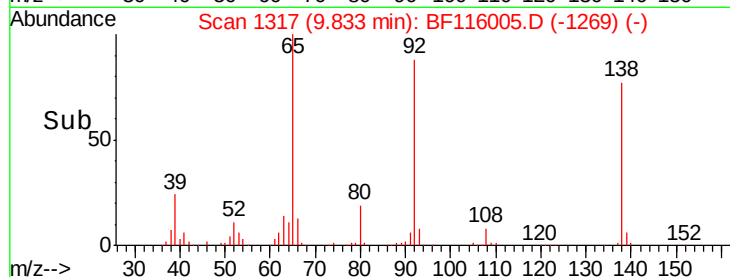
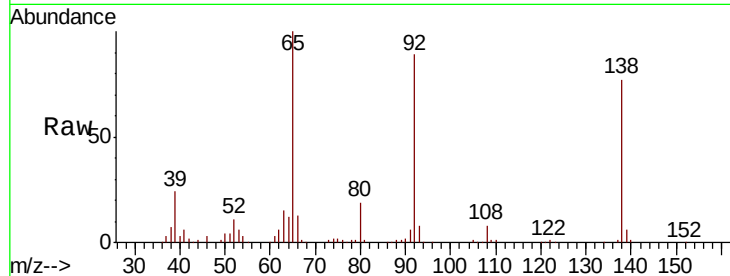
#53
3-Nitroaniline
Concen: 24.170 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.4	11.2
92	115.4	83.9	125.9

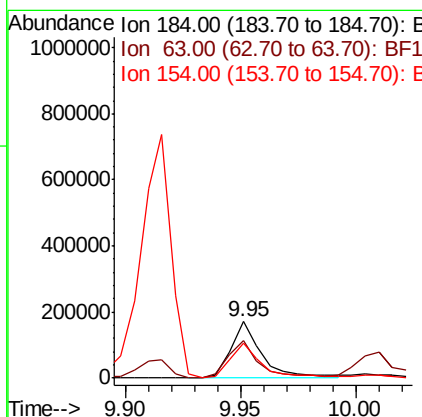
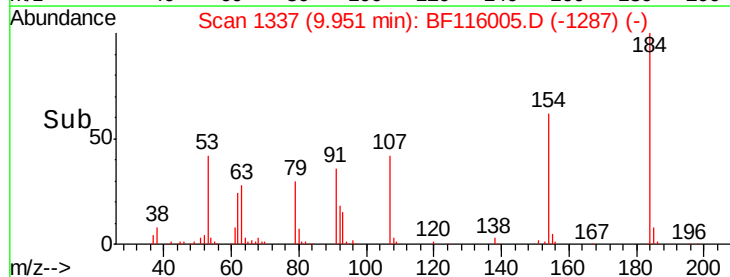
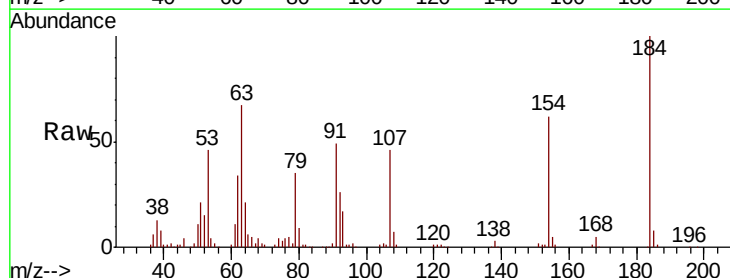
Manual Integrations
APPROVED

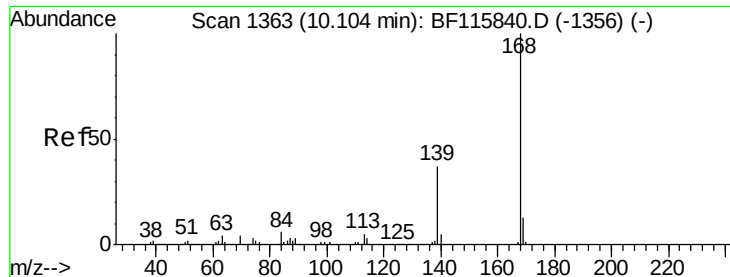
mohammad
8/7/2019 4:41:37 PM



#54
2,4-Dinitrophenol
Concen: 64.482 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
184	100		
63	67.2	56.7	85.1
154	62.3	51.9	77.9





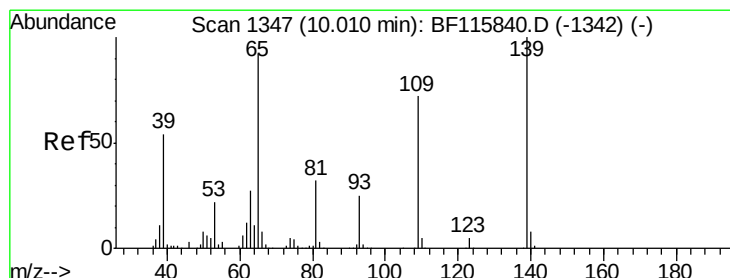
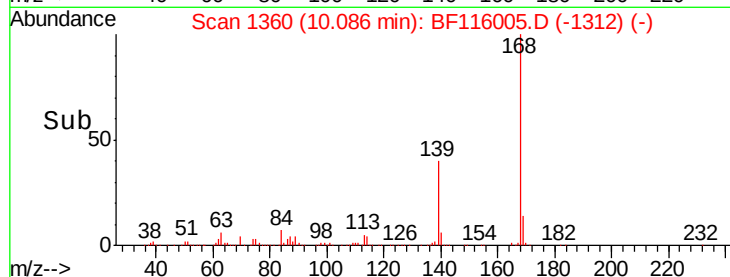
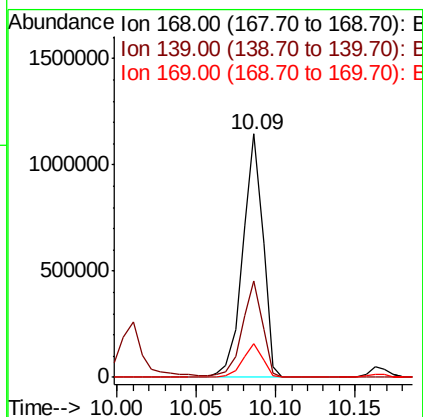
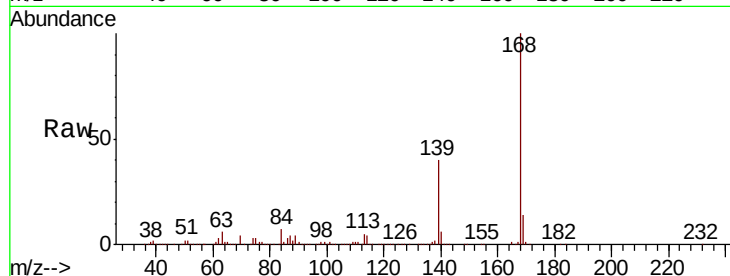
#55
Dibenzofuran
Concen: 39.126 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.2	45.2
169	13.9	10.8	16.2

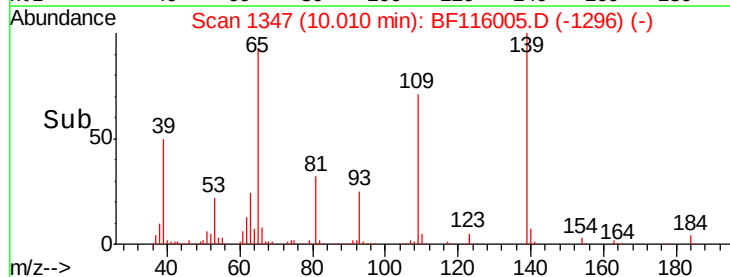
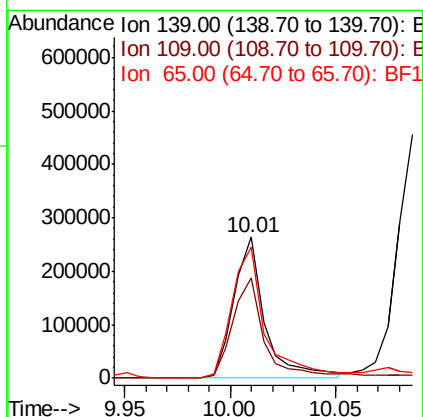
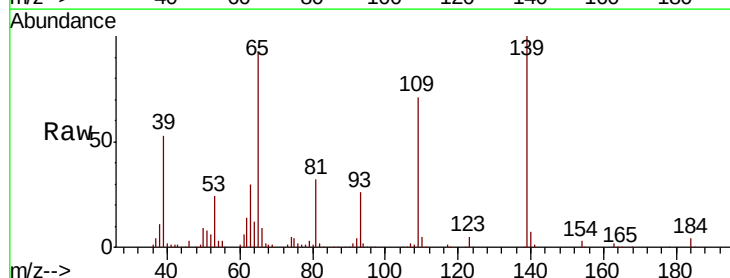
Manual Integrations
APPROVED

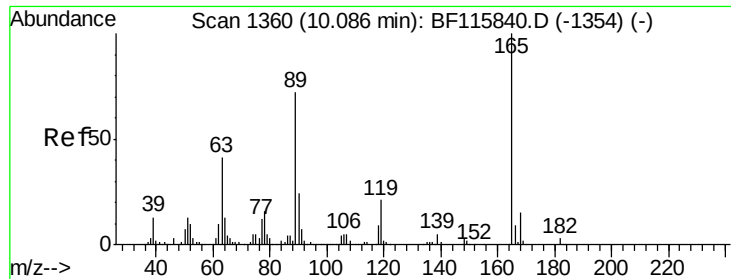
mohammad
8/7/2019 4:41:37 PM



#56
4-Nitrophenol
Concen: 67.554 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.4	52.0	92.0
65	93.1	72.6	112.6





#57

2,4-Dinitrotoluene

Concen: 38.400 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

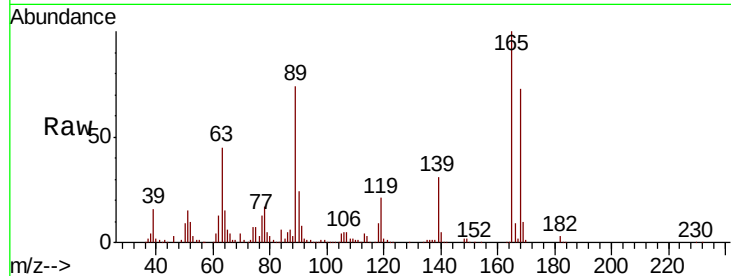
ClientSampleId :

PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	255187		
63	45.2	33.2	49.8	
89	74.1	57.3	85.9	
182	2.5	2.1	3.1	

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM

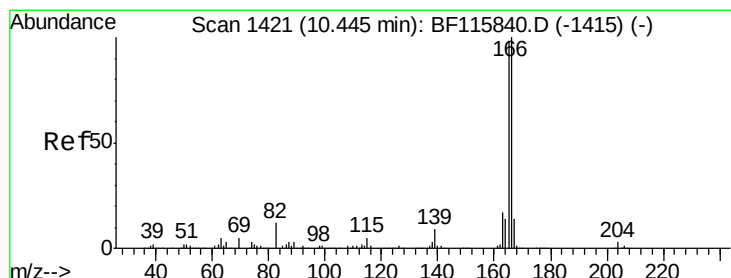
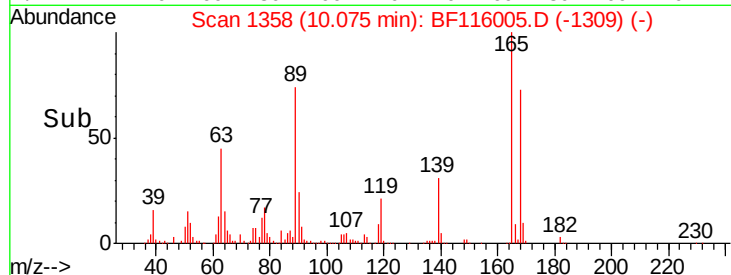
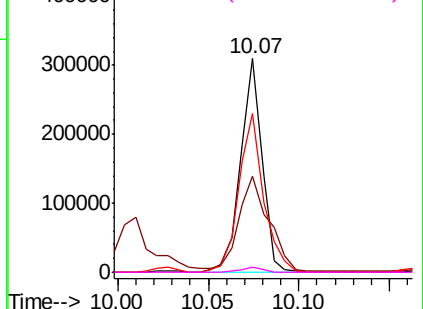


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 39.281 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF116005.D

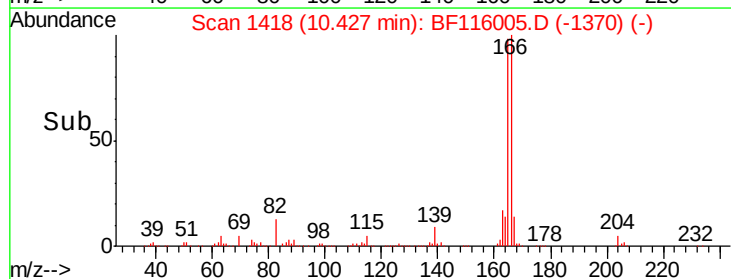
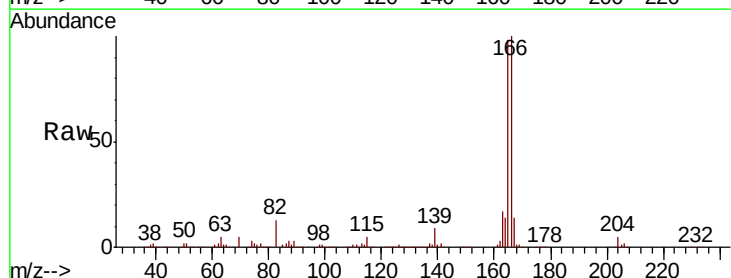
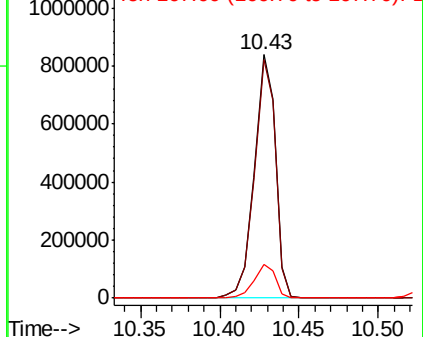
Acq: 6 Aug 2019 11:36

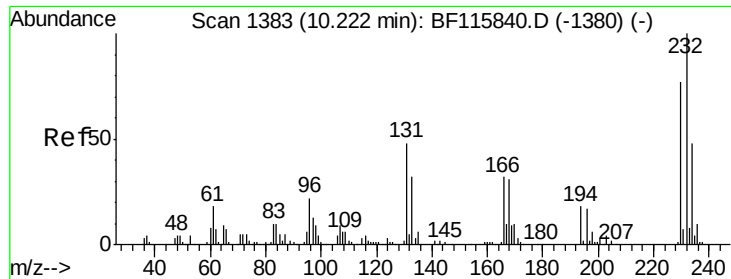
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	779686		
165	97.9	78.6	118.0	
167	13.9	10.9	16.3	

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





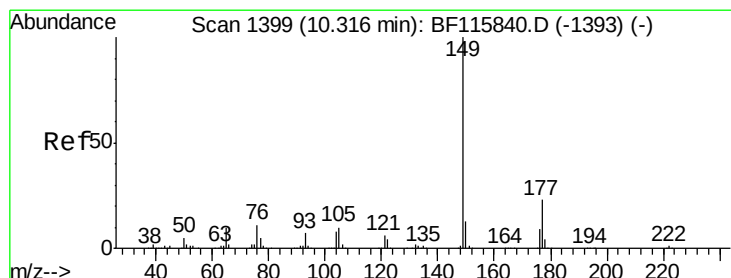
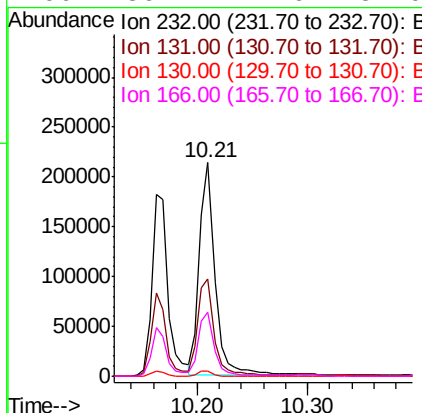
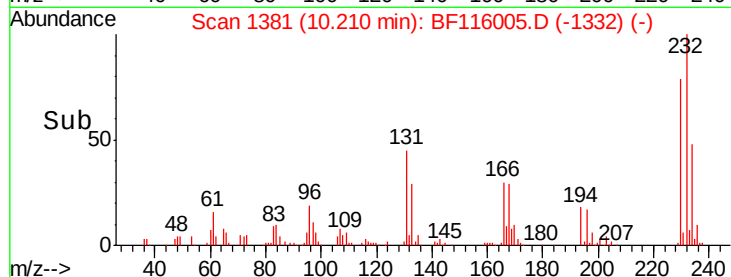
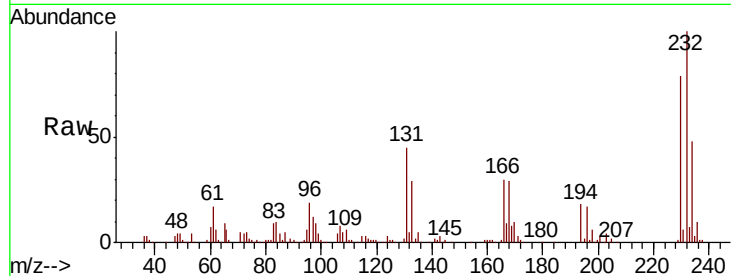
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 38.330 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	206915		
131	47.3		37.6	56.4
130	2.5		1.8	2.8
166	30.4		24.6	37.0

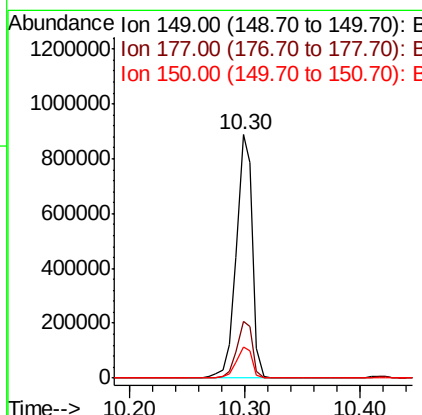
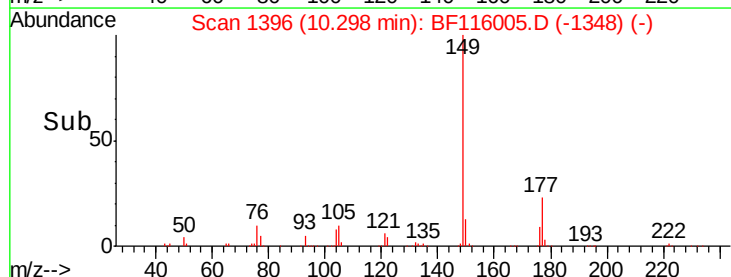
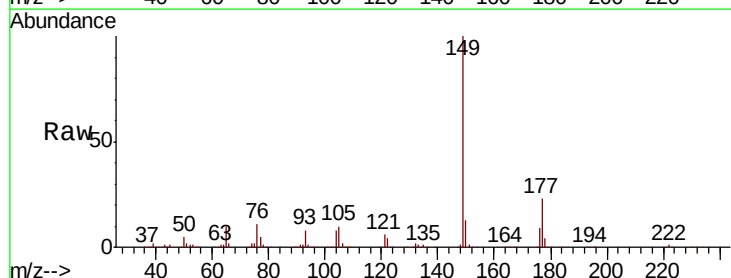
Manual Integrations
 APPROVED

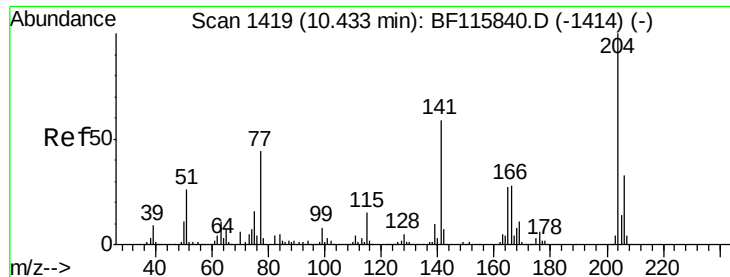
mohammad
 8/7/2019 4:41:37 PM



#60
 Diethylphthalate
 Concen: 39.744 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.02 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	852239		
177	23.1		18.4	27.6
150	12.8		10.1	15.1





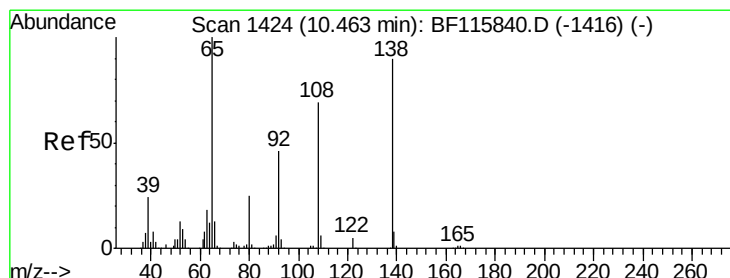
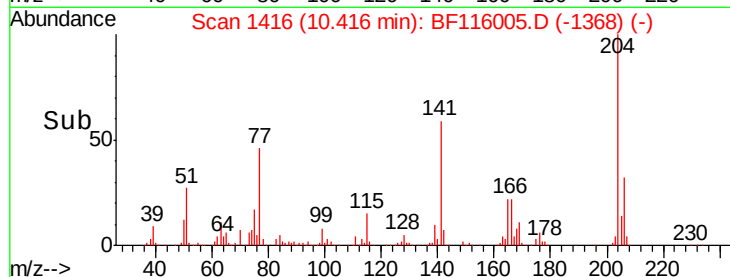
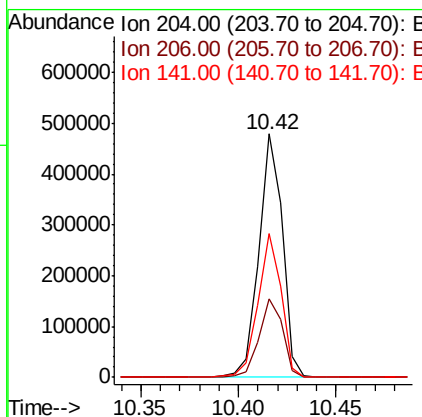
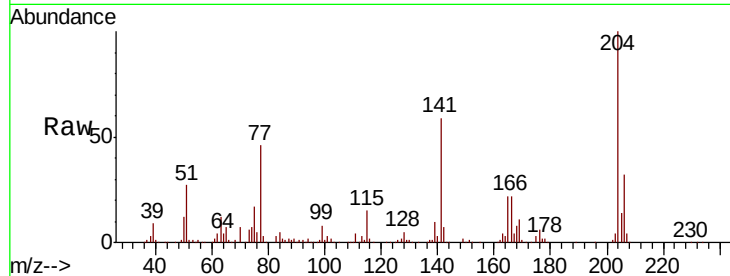
#61
4-Chlorophenyl-phenylether
Concen: 39.810 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.4	39.6
141	59.2	47.0	70.4

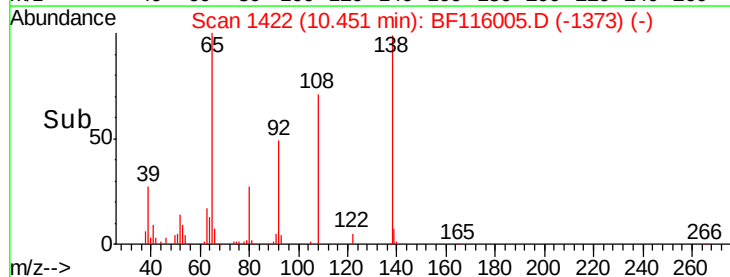
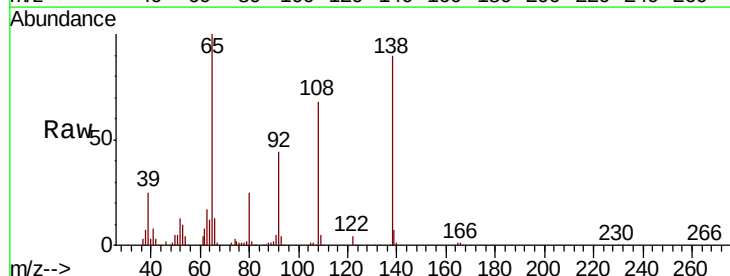
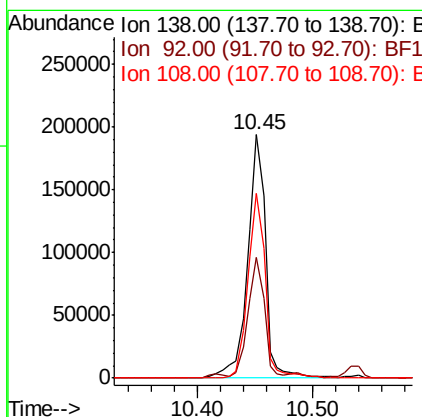
Manual Integrations
APPROVED

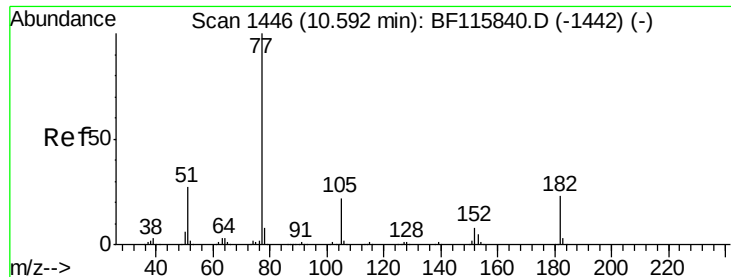
mohammad
8/7/2019 4:41:37 PM



#62
4-Nitroaniline
Concen: 32.741 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.6	31.0	71.0
108	75.9	56.7	96.7





#63

Azobenzene

Concen: 39.484 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

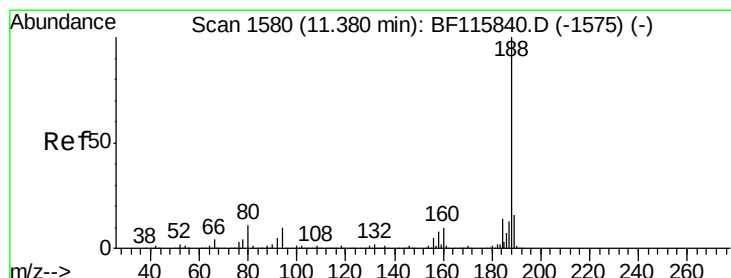
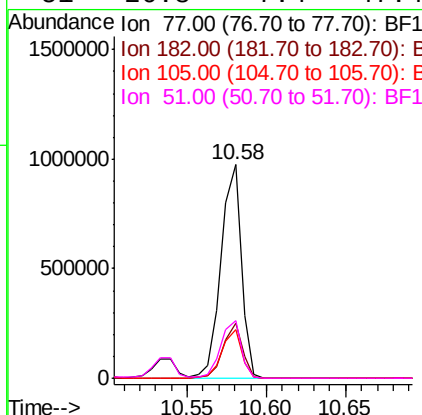
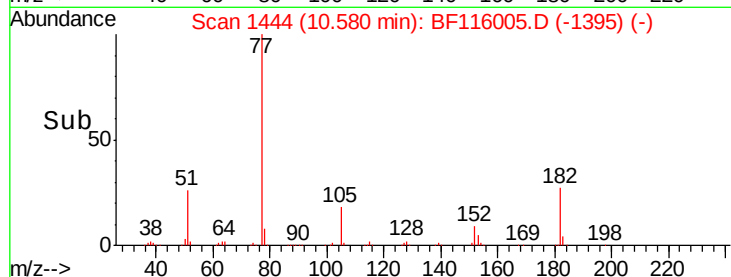
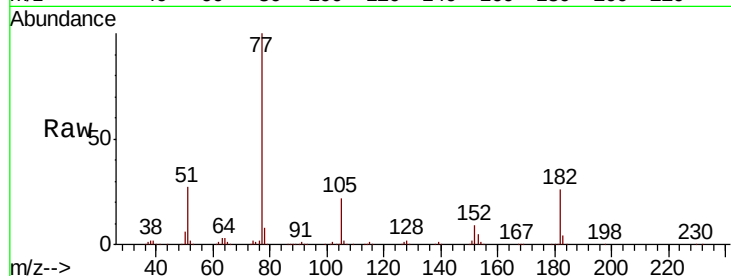
ClientSampleId :

PB121978BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.9	2.6	42.6
105	22.5	1.6	41.6
51	26.8	7.4	47.4

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



#64

Phenanthrene-d10

Concen: 20.000 ng

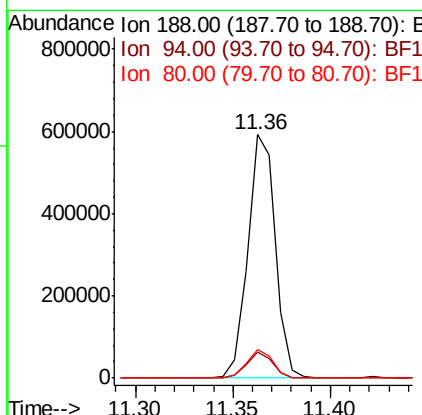
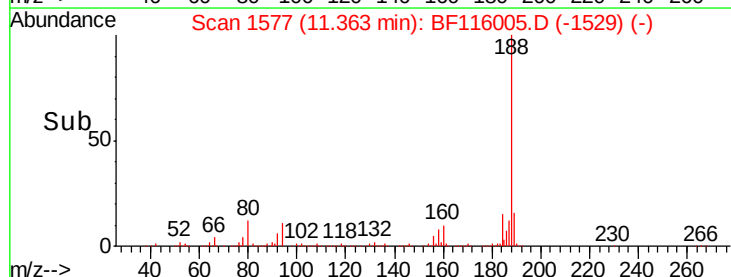
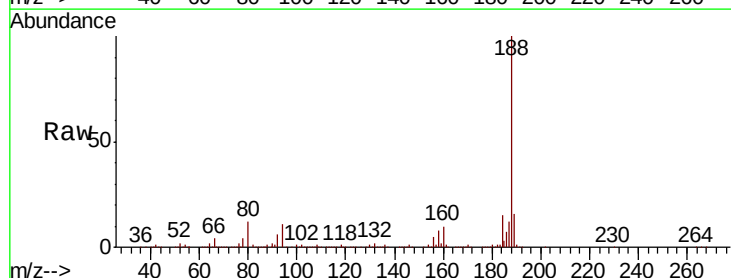
RT: 11.36 min Scan# 1577

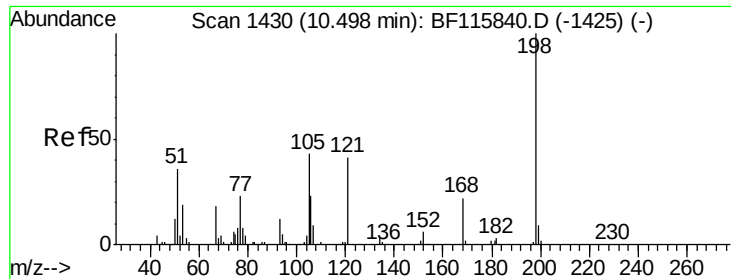
Delta R.T. -0.02 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.0	12.0
80	11.6	8.6	12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 39.113 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

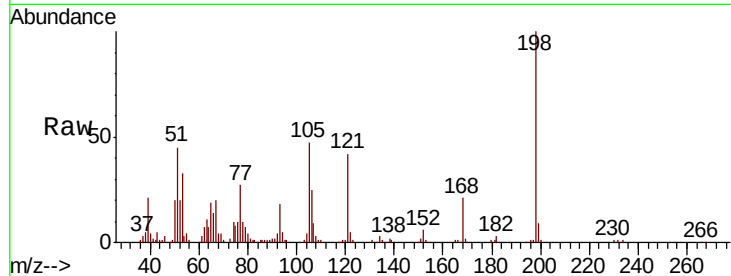
ClientSampleId :

PB121978BS

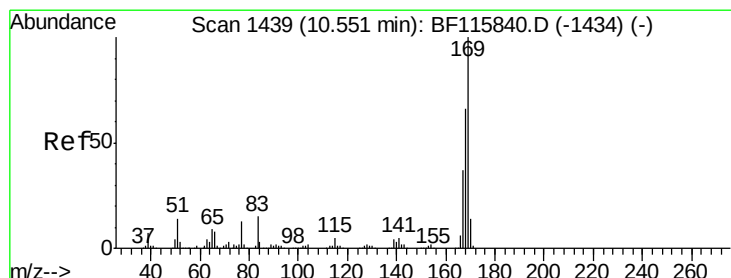
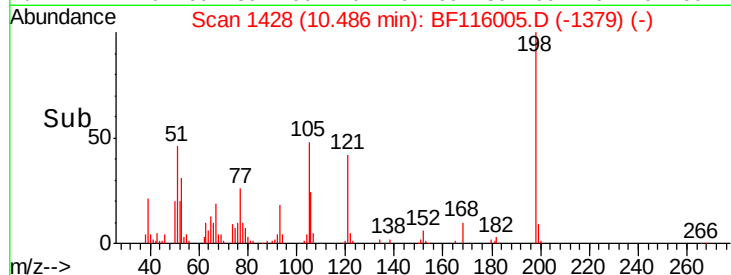
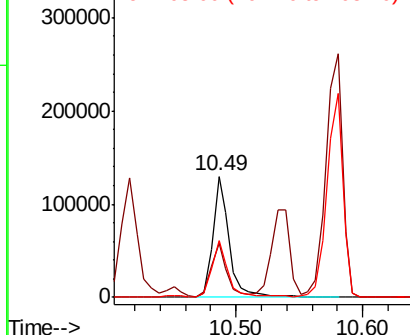
Tot Ion:	198	Resp:	119391
Ion Ratio	Lower	Upper	
198	100		
51	45.0	21.1	61.1
105	46.8	24.5	64.5

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.473 ng

RT: 10.54 min Scan# 1437

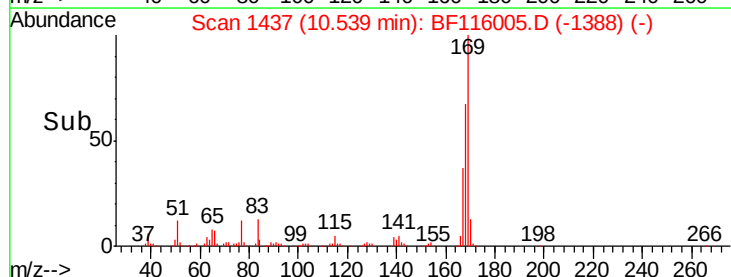
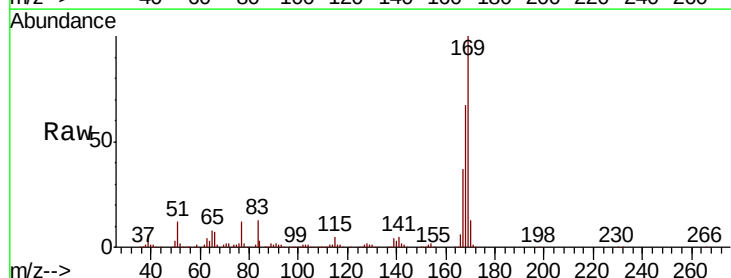
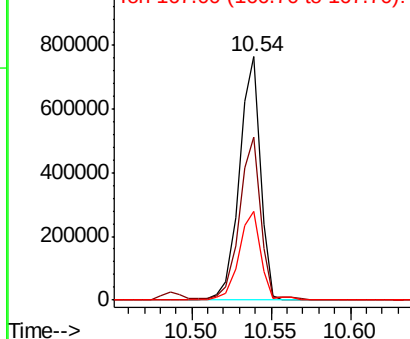
Delta R.T. -0.01 min

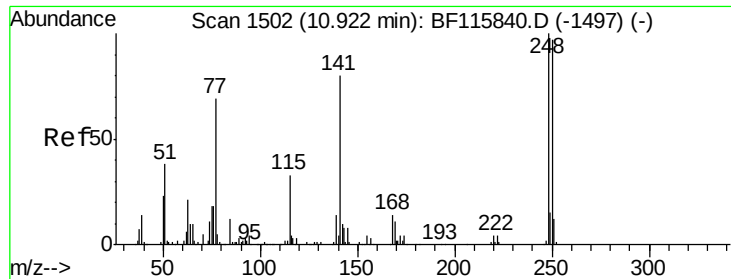
Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Tgt Ion:	169	Resp:	701704
Ion Ratio	Lower	Upper	
169	100		
168	66.8	53.0	79.6
167	36.6	29.9	44.9

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





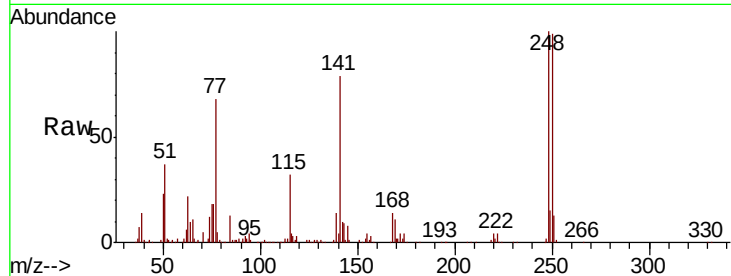
#67
4-Bromophenyl-phenylether
Concen: 39.657 ng
RT: 10.90 min Scan# 1499
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.8	116.6
141	78.5	64.3	96.5

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM

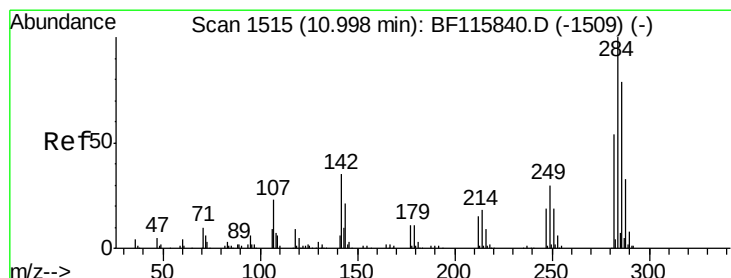
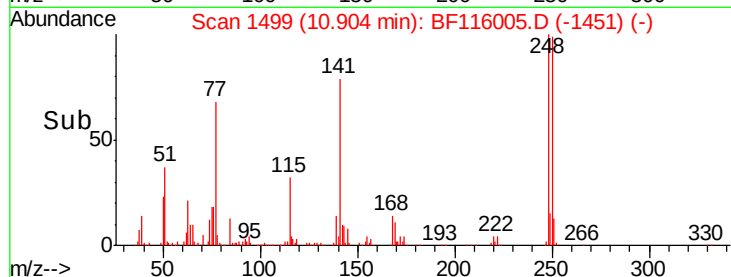
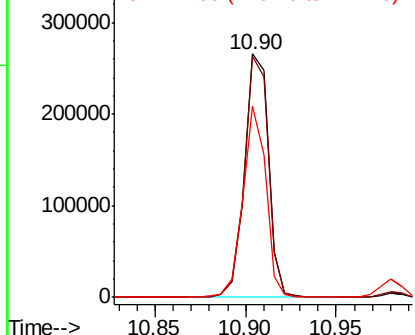


Abundance

Ion 248.00 (247.70 to 248.70): E

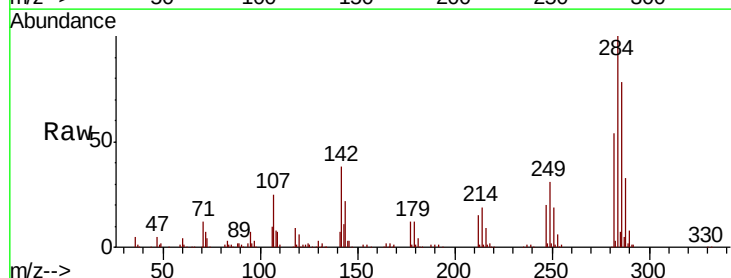
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 38.319 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.1	28.2	42.2
249	31.2	24.0	36.0

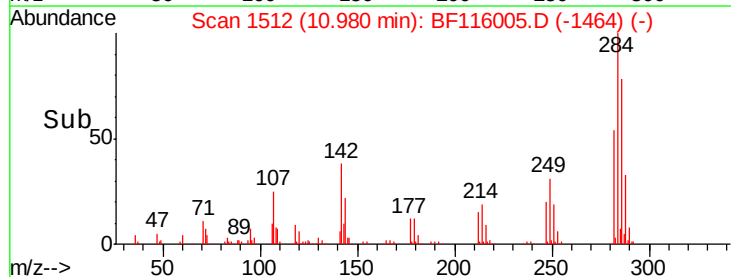
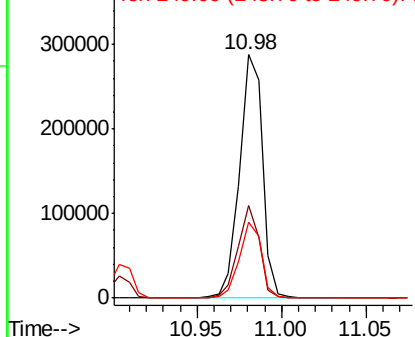


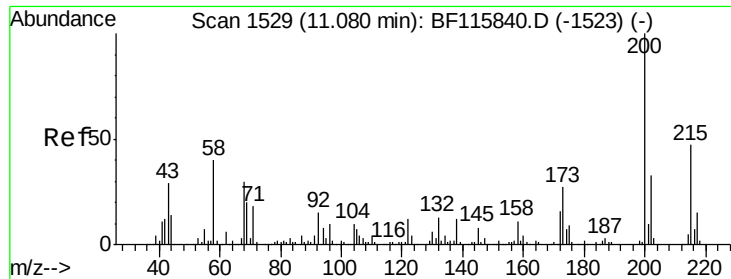
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





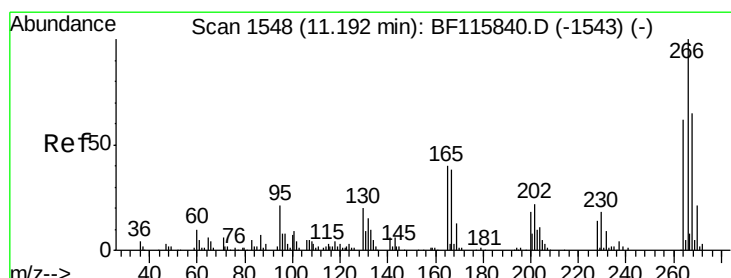
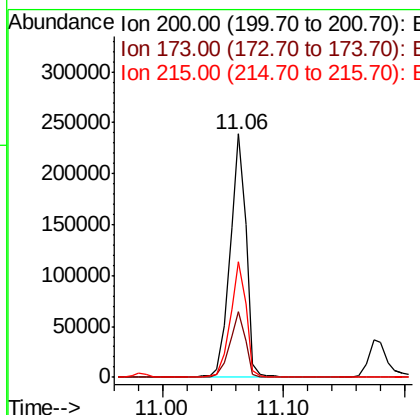
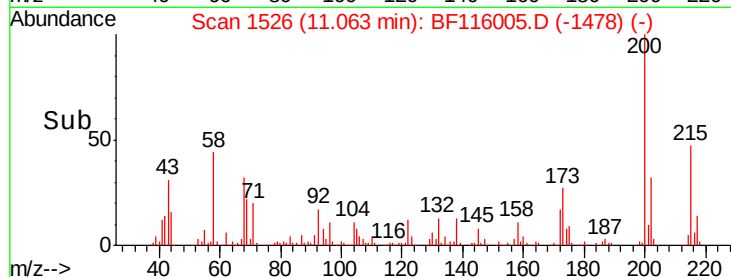
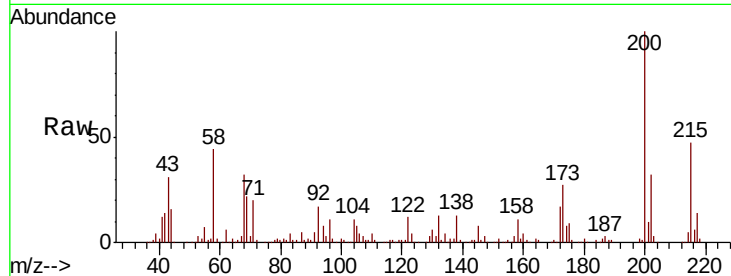
#69
Atrazine
Concen: 38.402 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	219030		
173	27.1	7.3	47.3	
215	47.4	26.9	66.9	

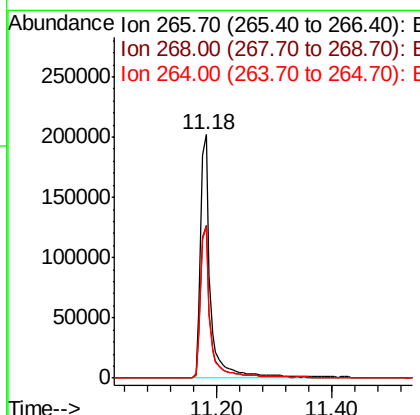
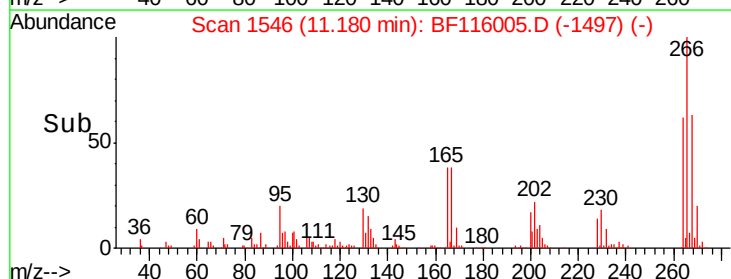
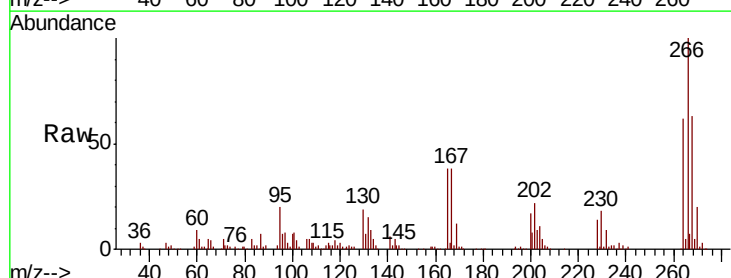
Manual Integrations
APPROVED

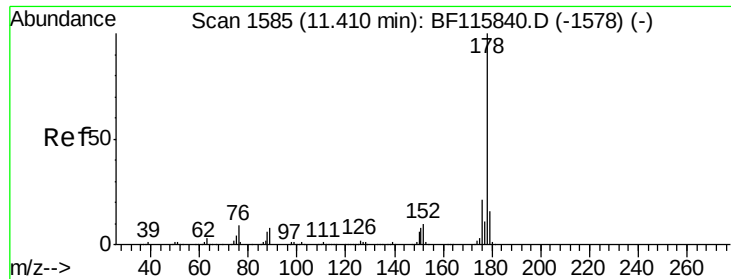
mohammad
8/7/2019 4:41:37 PM



#70
Pentachlorophenol
Concen: 72.033 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	249356		
268	62.7	51.6	77.4	
264	62.0	49.4	74.0	





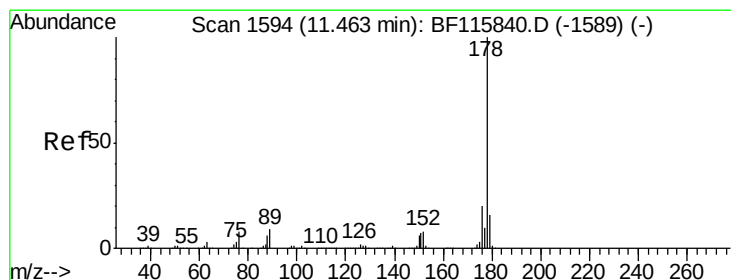
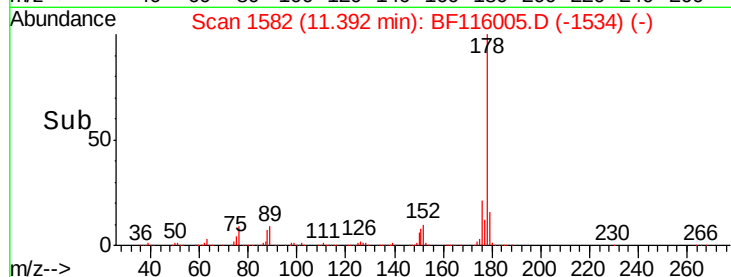
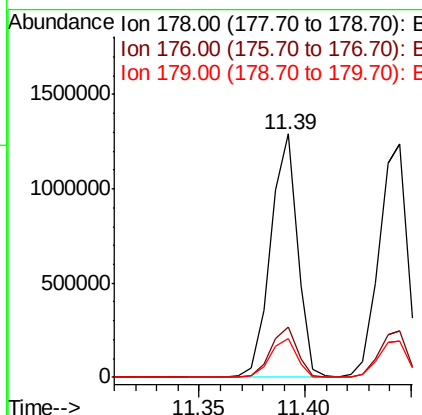
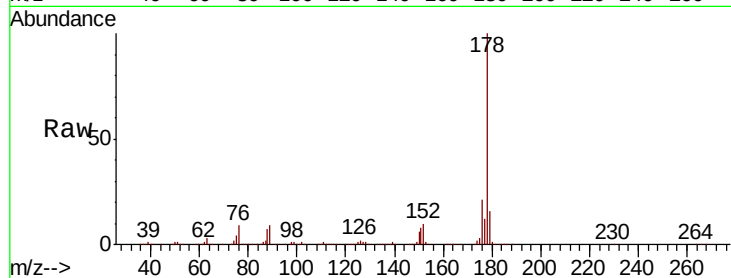
#71
Phenanthrene
Concen: 38.855 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.5	24.7
179	15.9	12.6	18.8

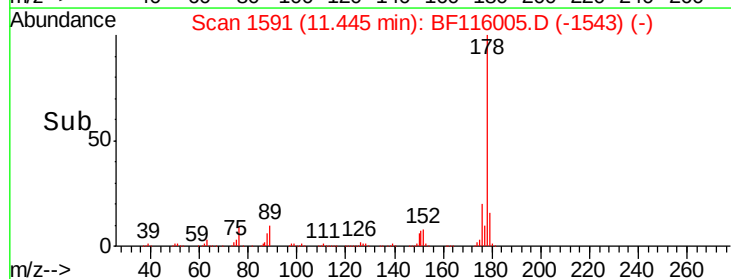
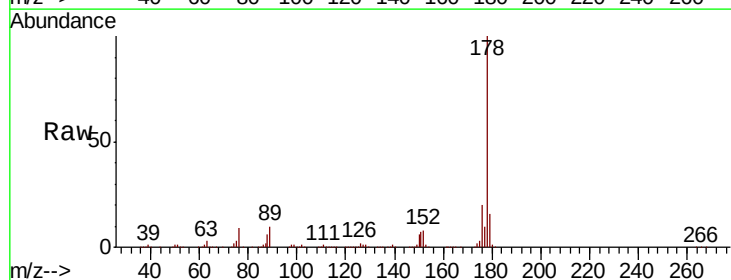
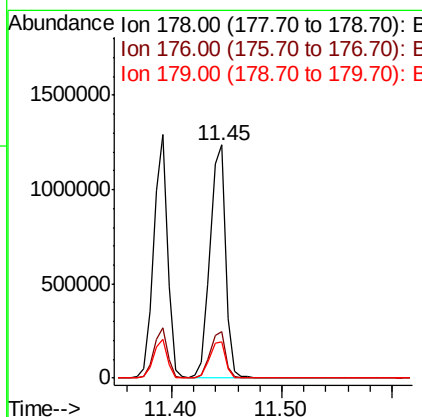
Manual Integrations
APPROVED

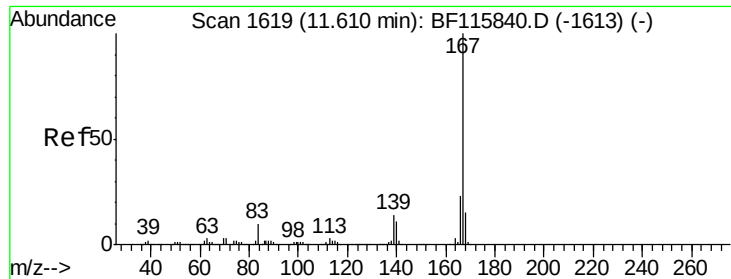
mohammad
8/7/2019 4:41:37 PM



#72
Anthracene
Concen: 39.750 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.7	23.5
179	15.7	12.4	18.6





#73

Carbazole

Concen: 39.423 ng

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

ClientSampleId :

PB121978BS

Tot Ion:167 Resp: 1065910

Ion Ratio Lower Upper

167 100

166 22.1 18.0 27.0

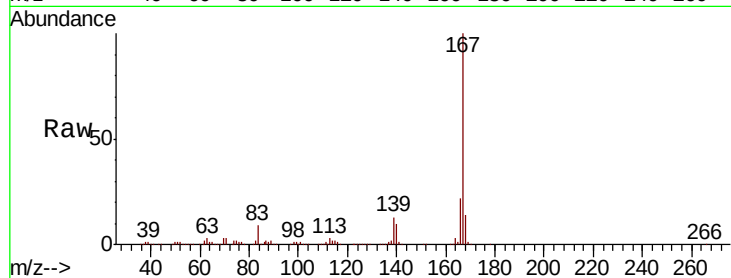
139 13.4 11.4 17.2

Manual Integrations

APPROVED

mohammad

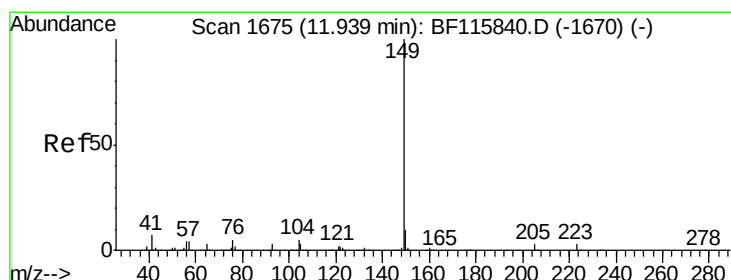
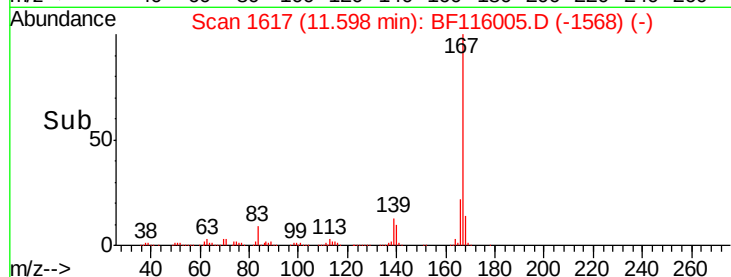
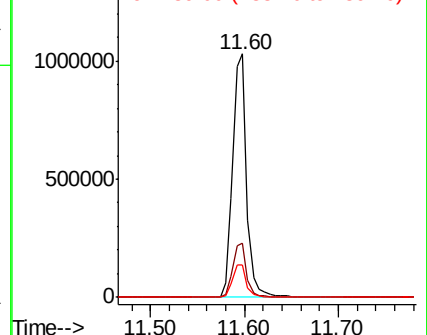
8/7/2019 4:41:37 PM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 42.258 ng

RT: 11.92 min Scan# 1672

Delta R.T. -0.02 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

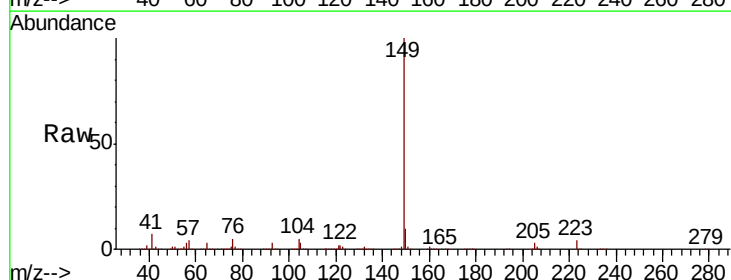
Tgt Ion:149 Resp: 1332830

Ion Ratio Lower Upper

149 100

150 9.7 7.7 11.5

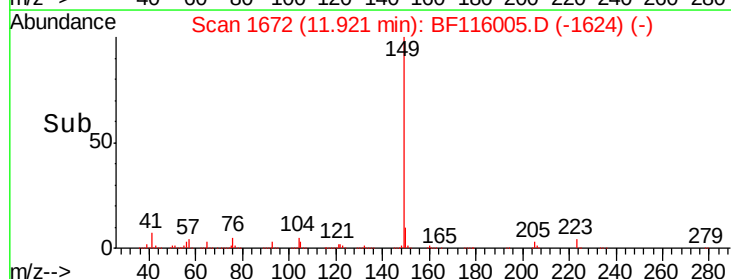
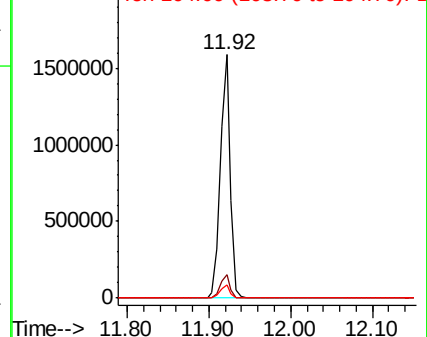
104 5.2 4.3 6.5

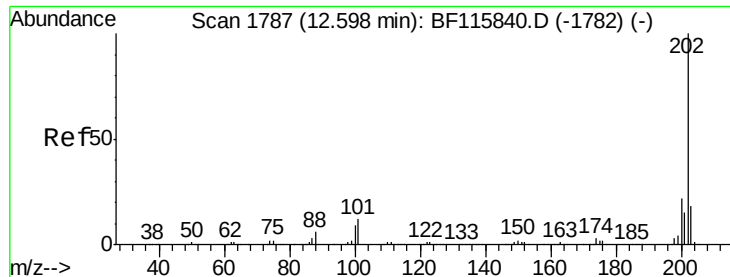


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





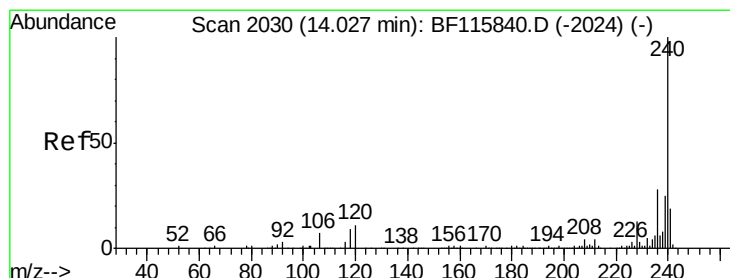
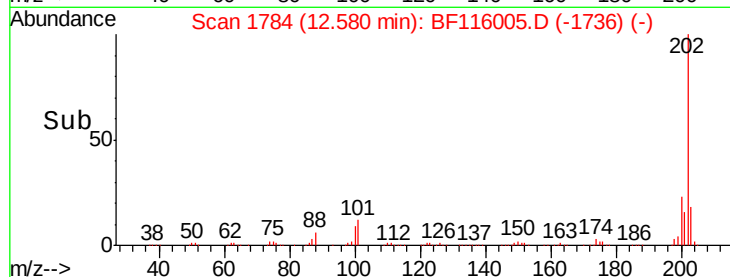
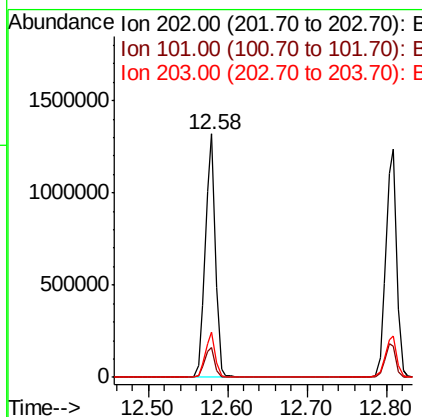
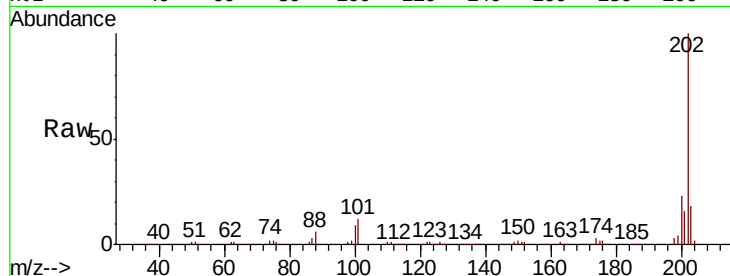
#75
Fluoranthene
 Concen: 38.462 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.02 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1185694		
101	12.3	0.0	31.5		
203	18.4	0.0	37.9		

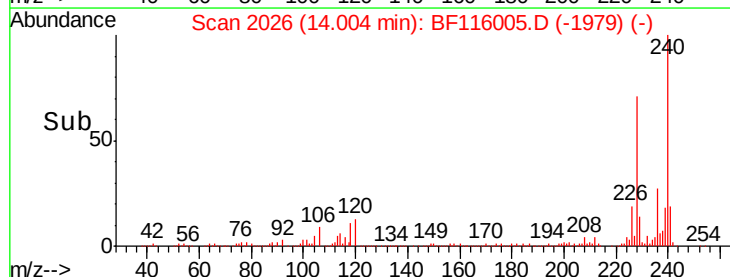
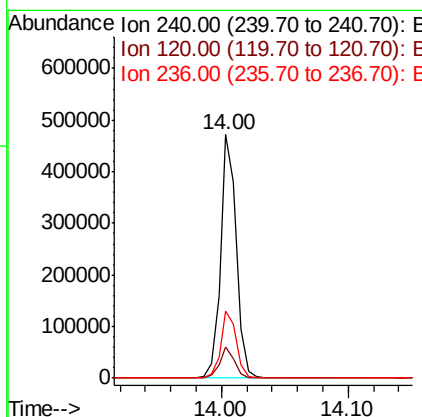
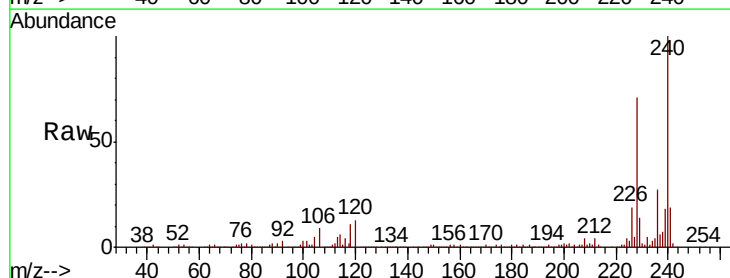
Manual Integrations
 APPROVED

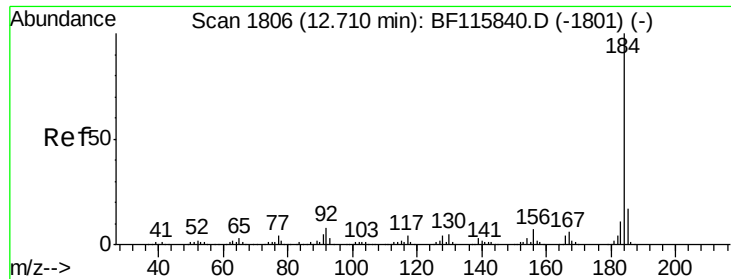
mohammad
 8/7/2019 4:41:37 PM



#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		408726		
120	12.6	8.5	12.7		
236	27.4	22.2	33.2		





#77

Benzidine

Concen: 27.975 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

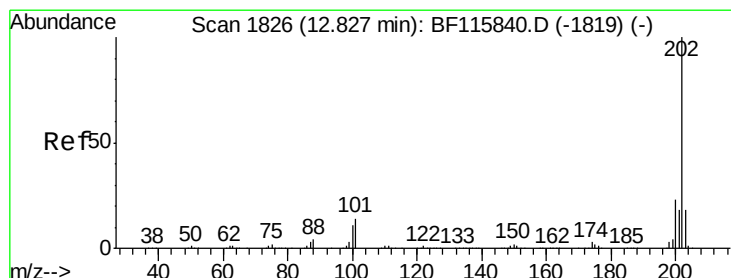
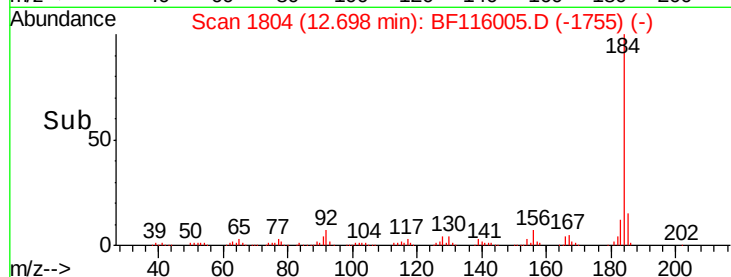
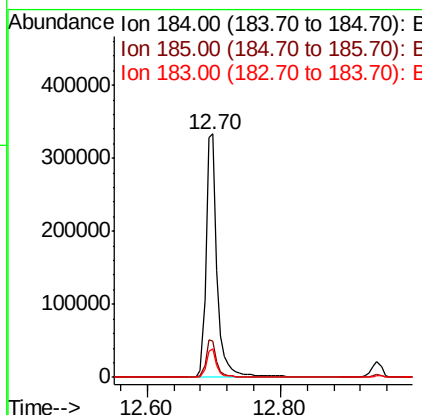
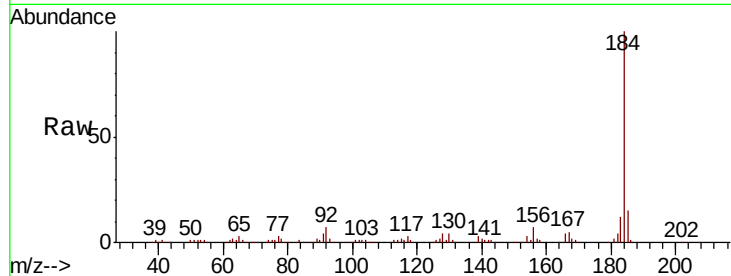
ClientSampleId :

PB121978BS

Tot Ion:	184	Resp:	386297
Ion Ratio	Lower	Upper	
184	100		
185	14.8	13.4	20.2
183	11.7	9.1	13.7

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



#78

Pyrene

Concen: 39.050 ng

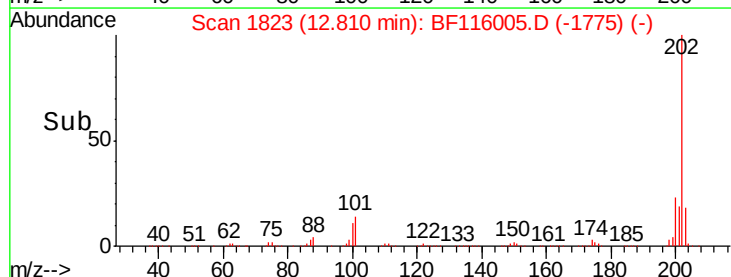
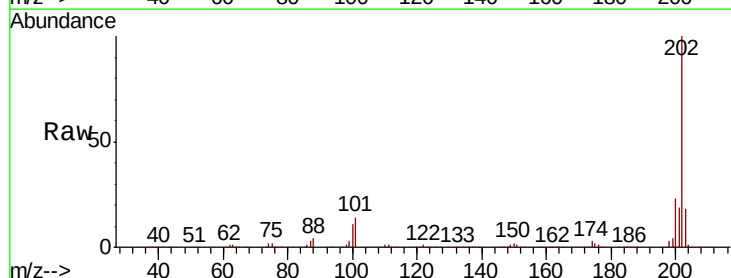
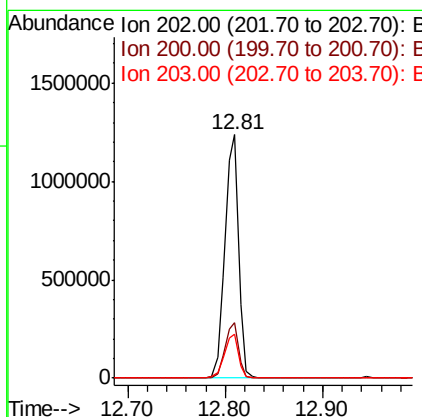
RT: 12.81 min Scan# 1823

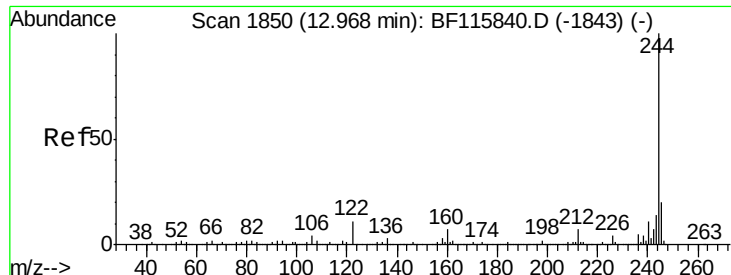
Delta R.T. -0.02 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Tgt Ion:	202	Resp:	1203153
Ion Ratio	Lower	Upper	
202	100		
200	22.7	18.2	27.2
203	18.2	14.3	21.5





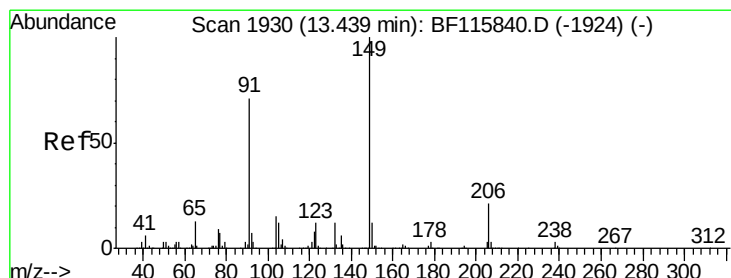
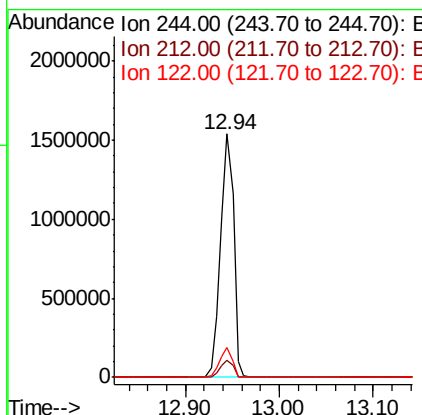
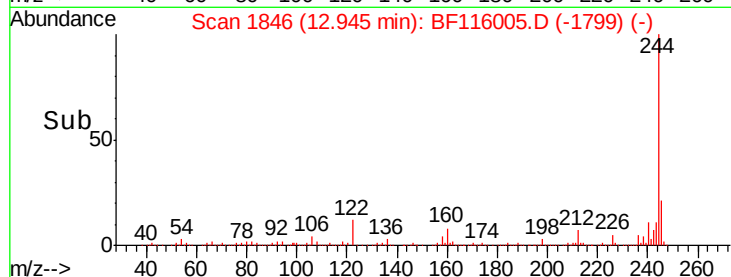
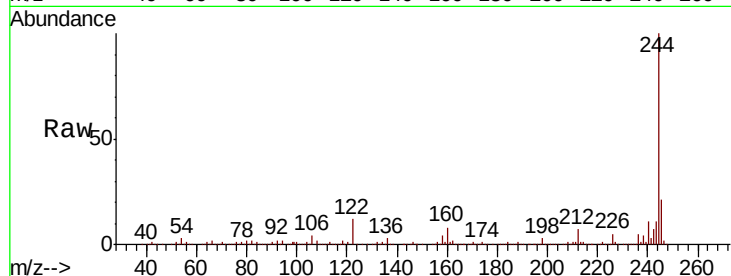
#79
 Terphenyl-d14
 Concen: 78.267 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.0	8.6	13.0

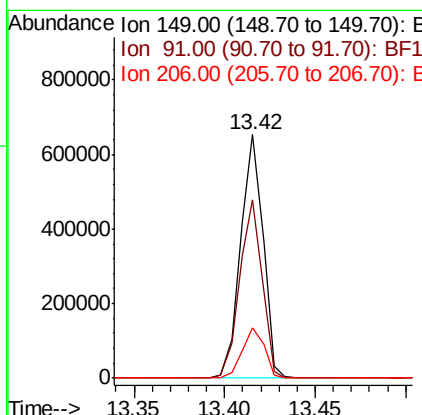
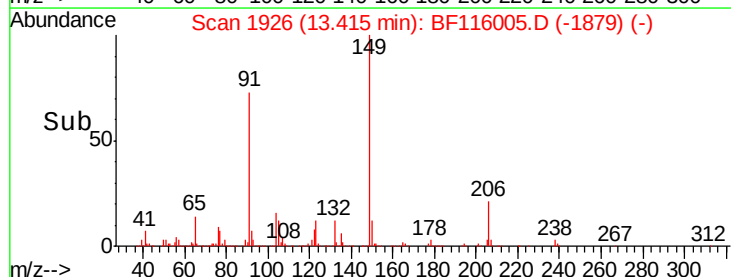
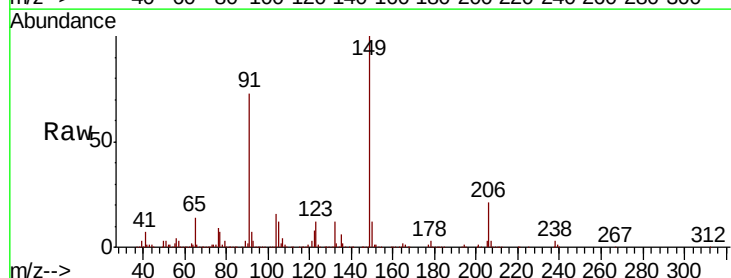
Manual Integrations
 APPROVED

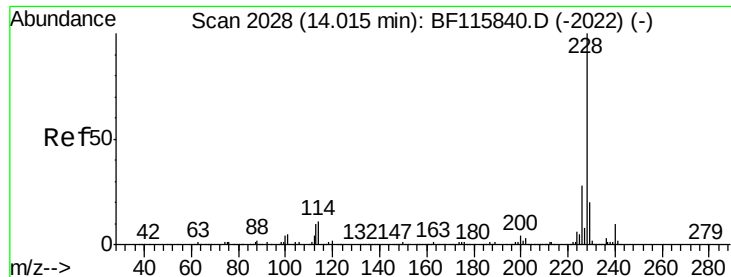
mohammad
 8/7/2019 4:41:37 PM



#80
 Butylbenzylphthalate
 Concen: 42.940 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.02 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.2	57.0	85.6
206	20.5	16.9	25.3





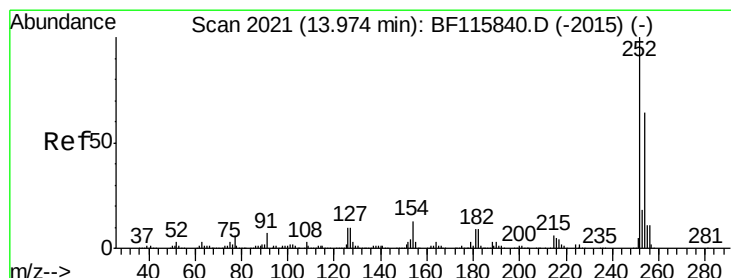
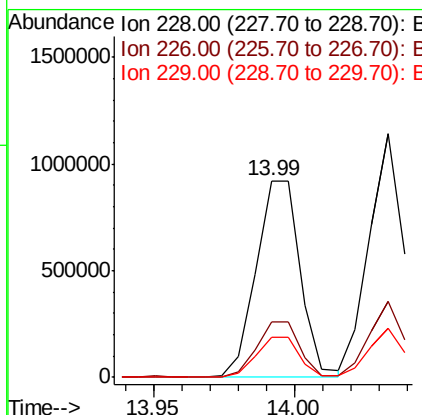
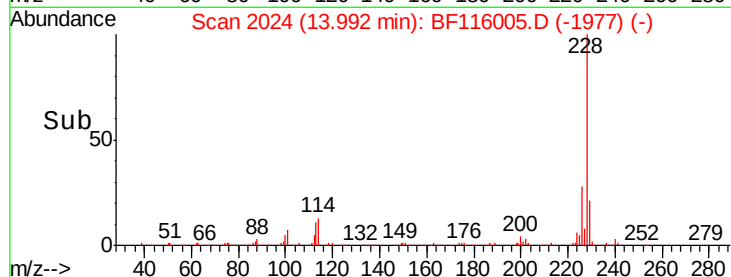
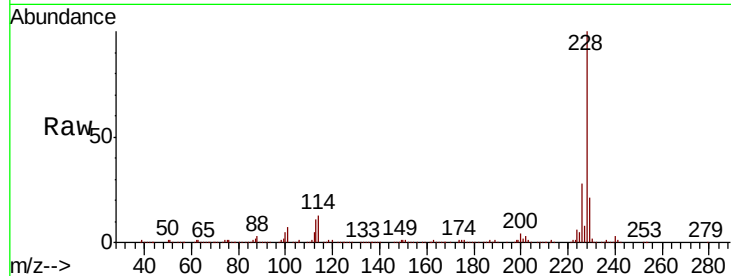
#81
Benzo(a)anthracene
Concen: 38.171 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.5	33.7
229	20.6	16.1	24.1

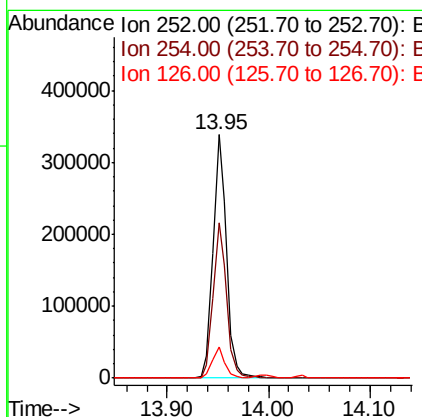
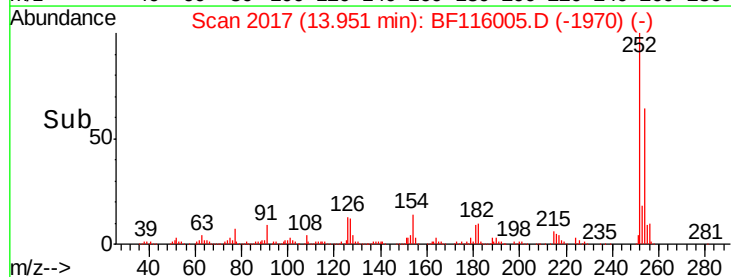
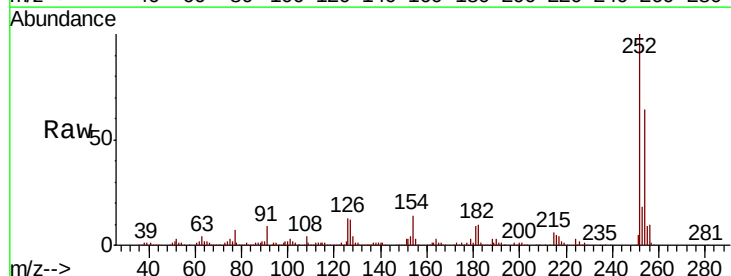
Manual Integrations
APPROVED

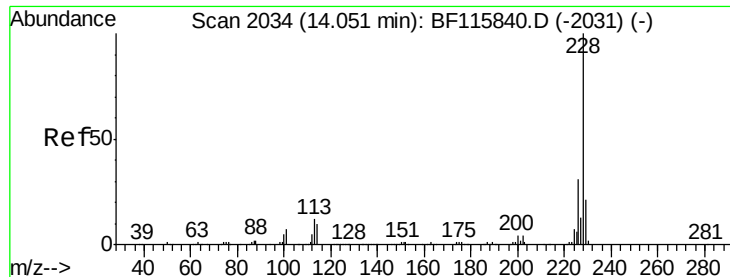
mohammad
8/7/2019 4:41:37 PM



#82
3,3'-Dichlorobenzidine
Concen: 34.594 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.2	76.8
126	12.6	8.1	12.1#





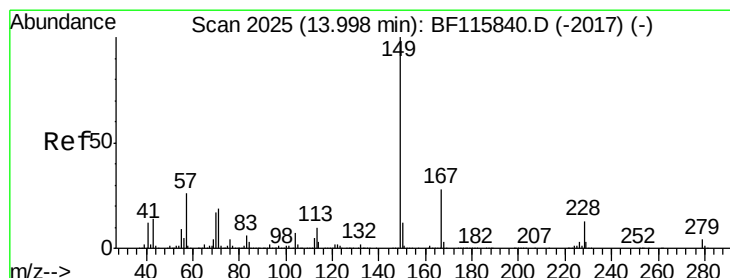
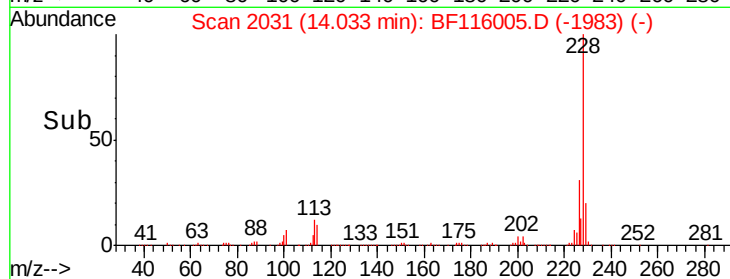
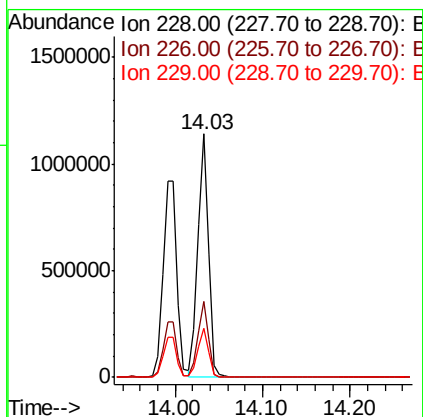
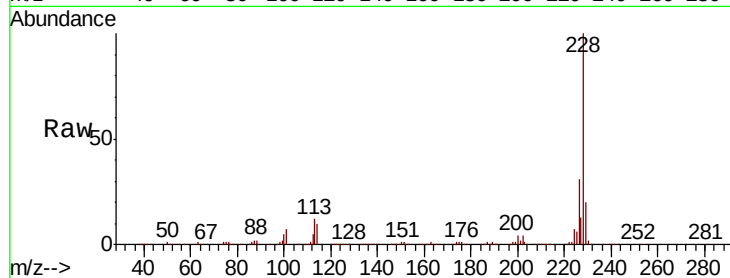
#83
 Chrysene
 Concen: 38.303 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Instrument :
 BNA_F
 ClientSampleId :
 PB121978BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.8	37.2
229	20.4	16.4	24.6

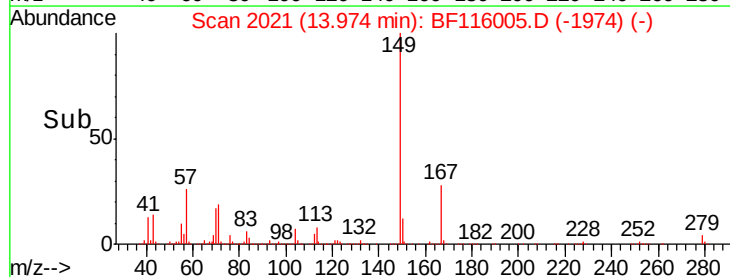
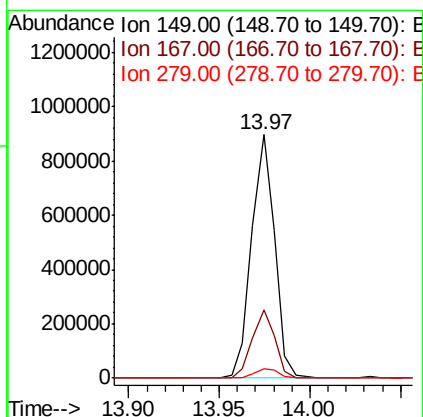
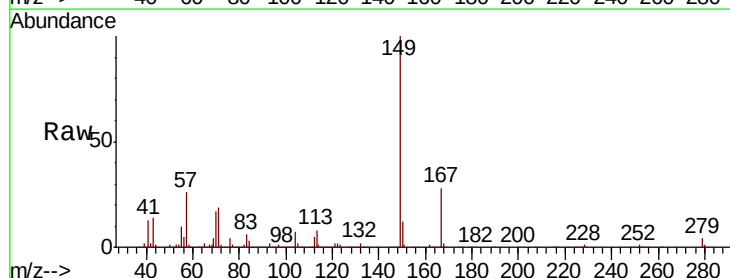
Manual Integrations
 APPROVED

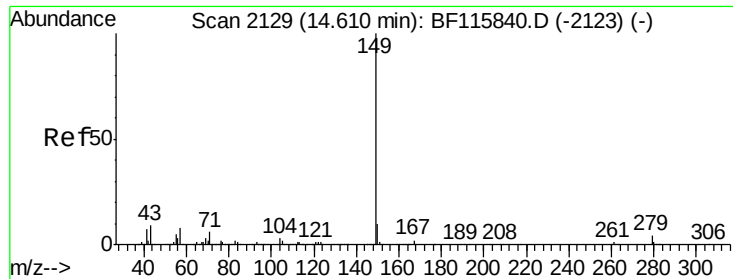
mohammad
 8/7/2019 4:41:37 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.841 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF116005.D
 Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.4	33.6
279	4.0	3.3	4.9





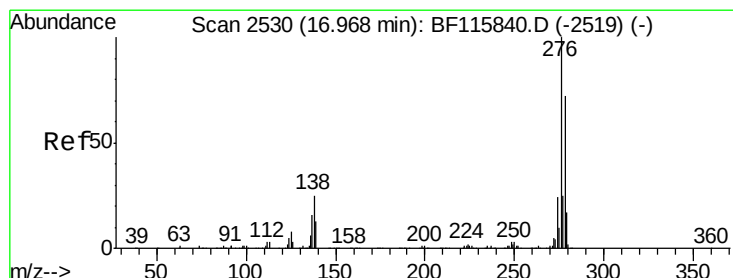
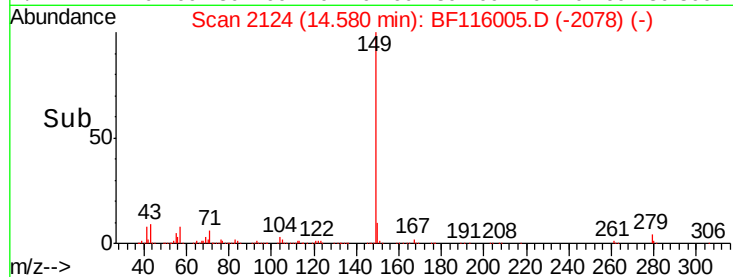
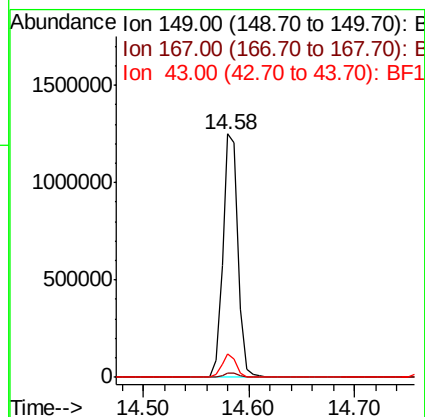
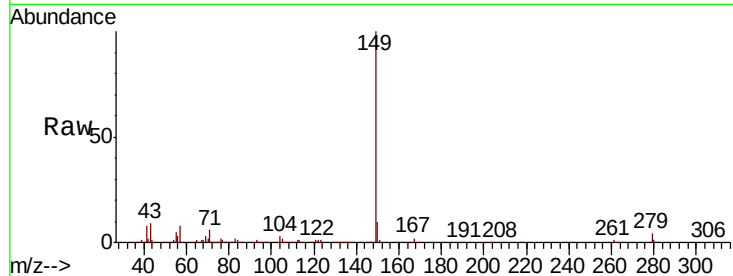
#85
Di-n-octyl phthalate
Concen: 46.594 ng
RT: 14.58 min Scan# 2124
Delta R.T. -0.03 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.0	7.4	11.0

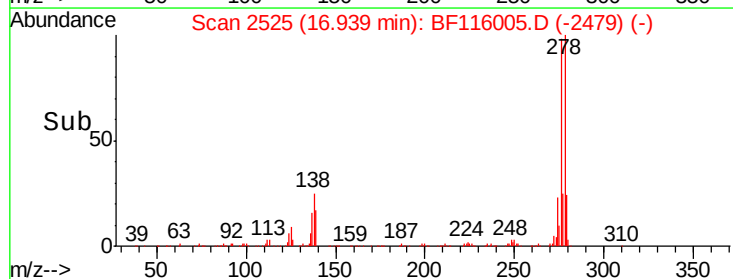
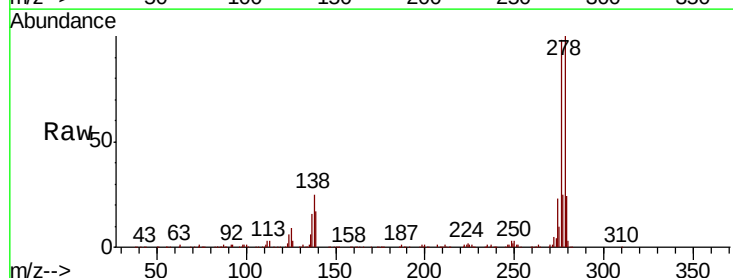
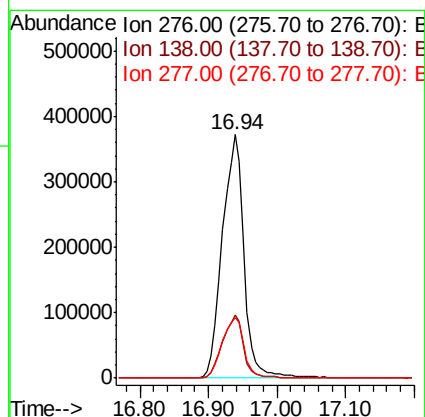
Manual Integrations
APPROVED

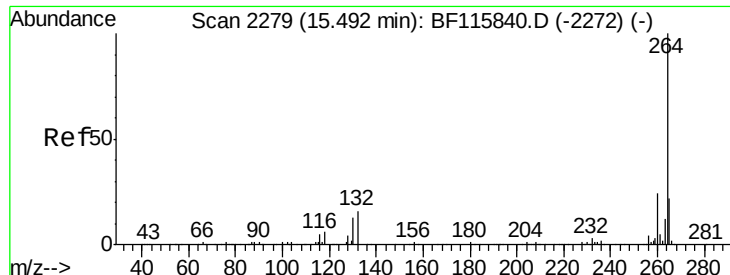
mohammad
8/7/2019 4:41:37 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 38.340 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	19.6	29.4
277	25.3	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.03 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Instrument :

BNA_F

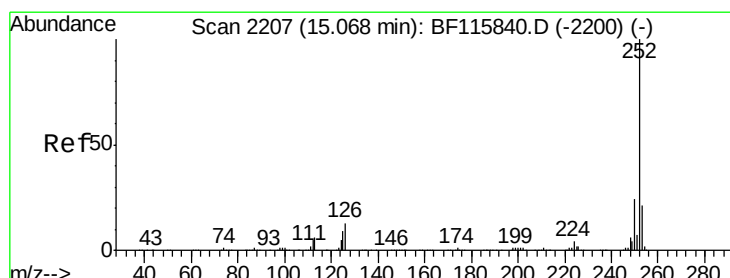
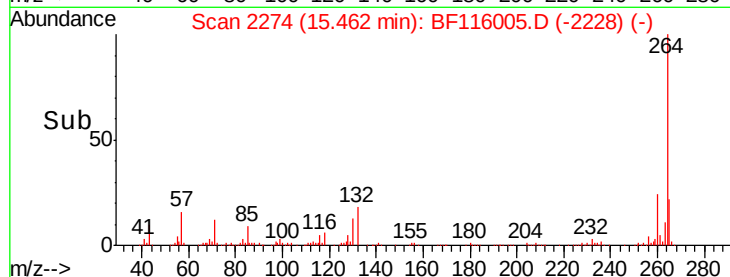
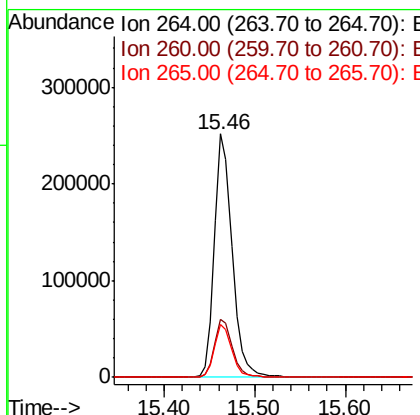
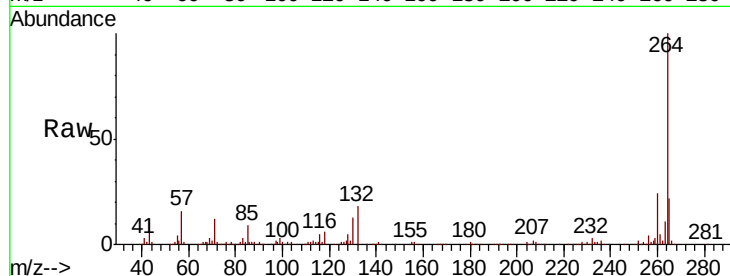
ClientSampleId :

PB121978BS

Tot Ion:	264	Resp:	343138
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.6	17.5	26.3

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



#88

Benzo(b)fluoranthene

Concen: 44.854 ng

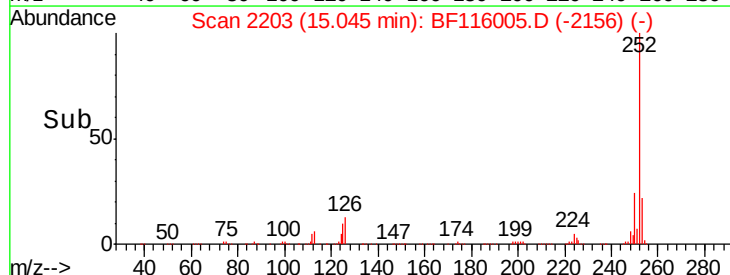
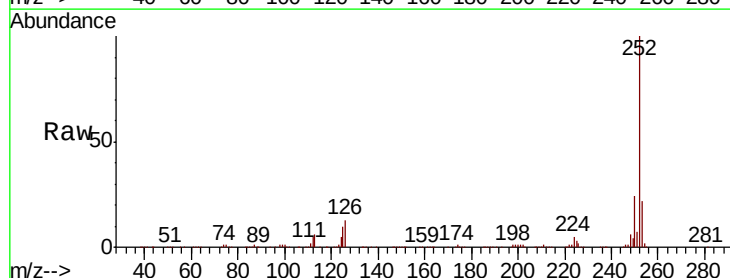
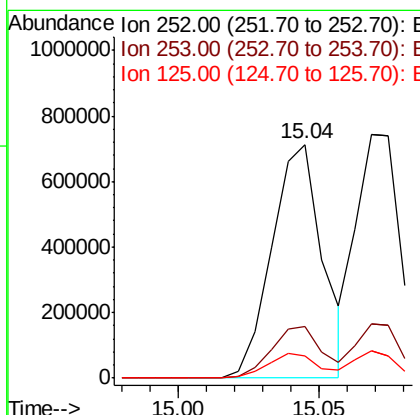
RT: 15.04 min Scan# 2203

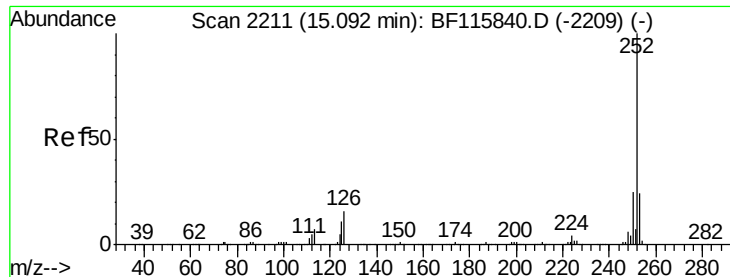
Delta R.T. -0.02 min

Lab File: BF116005.D

Acq: 6 Aug 2019 11:36

Tgt Ion:	252	Resp:	889937
Ion Ratio		Lower	Upper
252	100		
253	22.0	17.2	25.8
125	9.7	7.4	11.0





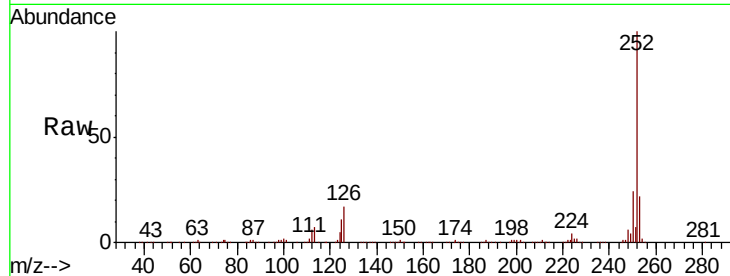
#89
Benzo(k)fluoranthene
Concen: 42.640 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

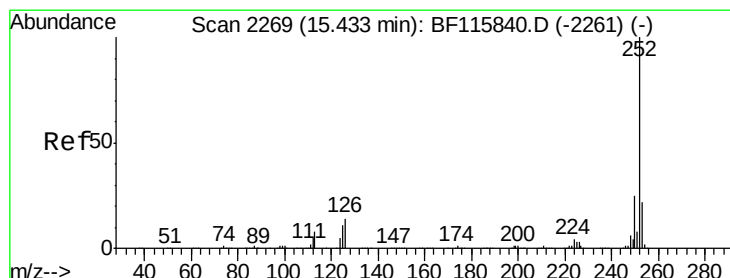
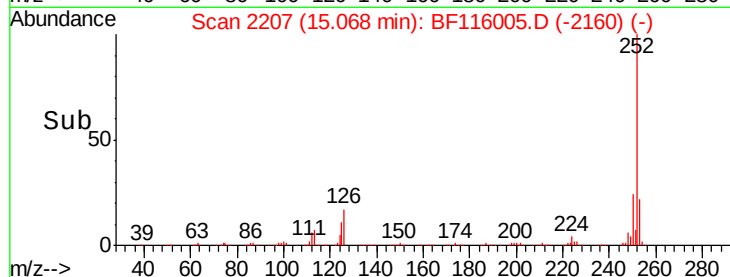
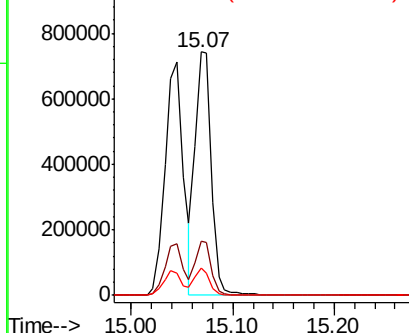
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	11.4	8.9	13.3

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



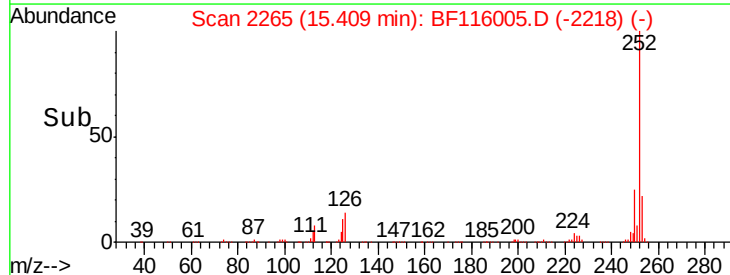
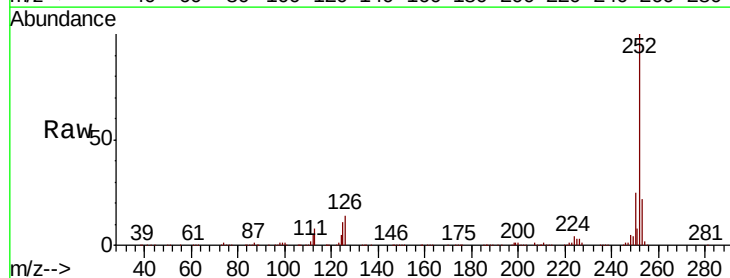
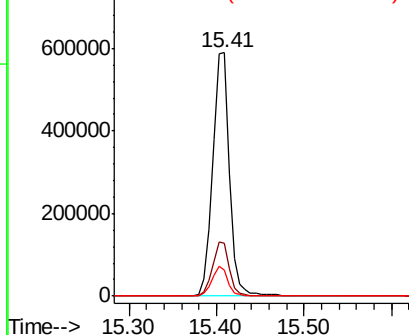
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

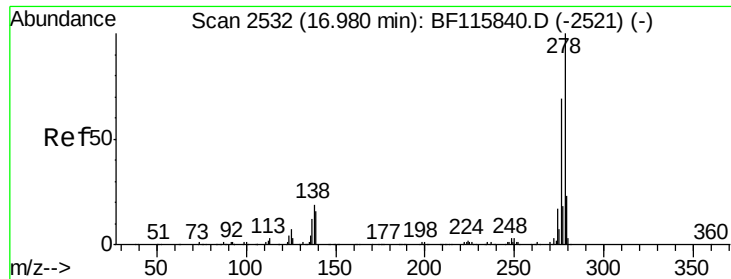


#90
Benzo(a)pyrene
Concen: 44.701 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.6	8.8	13.2

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





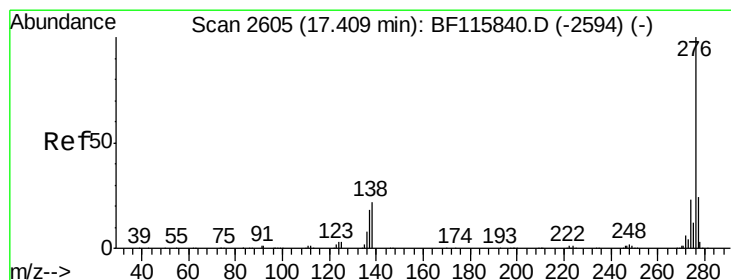
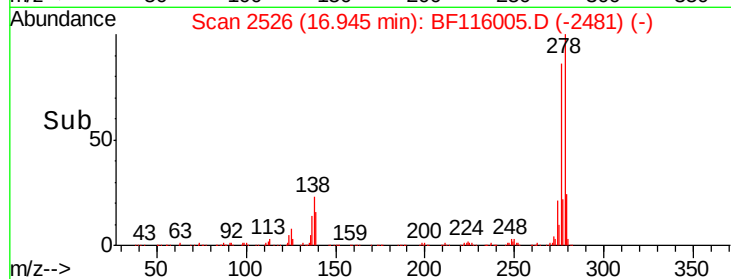
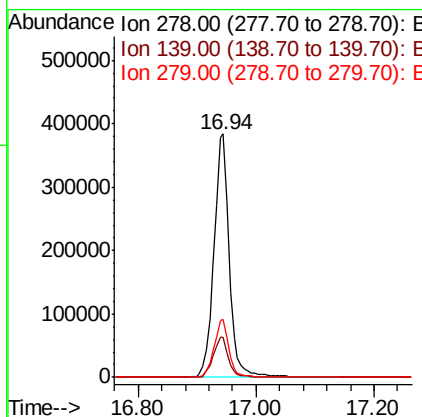
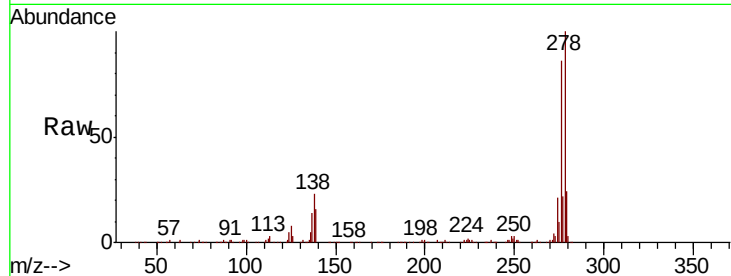
#91
Dibenzo(a,h)anthracene
Concen: 45.399 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.04 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Instrument :
BNA_F
ClientSampleId :
PB121978BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	24.1	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:37 PM



#92
Benzo(g,h,i)perylene
Concen: 44.444 ng
RT: 17.37 min Scan# 2599
Delta R.T. -0.04 min
Lab File: BF116005.D
Acq: 6 Aug 2019 11:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.5	29.3
138	22.0	17.8	26.8

