

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119117.D
 Acq On : 27 Feb 2020 18:41
 Operator : CG/JU
 Sample : L1688-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:41:42 PM

Quant Time: Feb 28 04:28:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	142907	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	526739	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	273703	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	480554	20.00	ng	0.00
76) Chrysene-d12	13.90	240	320393	20.00	ng	0.00
87) Perylene-d12	15.33	264	354774	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	707617	82.75	ng	0.00
7) Phenol-d6	6.40	99	856224	82.33	ng	0.00
23) Nitrobenzene-d5	7.31	82	564200	56.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	265443	74.14	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1064745	57.31	ng	0.00
79) Terphenyl-d14	12.84	244	1117647	60.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	153720	40.375	ng	98
3) Pyridine	3.22	79	390551	37.561	ng	98
4) n-Nitrosodimethylamine	3.16	42	157768	50.088	ng	98
6) Aniline	6.41	93	444846	34.665	ng	96
8) 2-Chlorophenol	6.54	128	476824	51.669	ng	97
9) Benzaldehyde	6.29	77	193306	27.820	ng	100
10) Phenol	6.41	94	554248	49.292	ng	98
11) bis(2-Chloroethyl)ether	6.48	93	425807	49.493	ng	98
12) 1,3-Dichlorobenzene	6.69	146	518091	46.840	ng	97
13) 1,4-Dichlorobenzene	6.76	146	526140	47.535	ng	98
14) 1,2-Dichlorobenzene	6.92	146	488200	48.363	ng	99
15) Benzyl Alcohol	6.90	79	384472	51.151	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.03	45	339782	45.592	ng	96
17) 2-Methylphenol	7.02	107	368817	49.294	ng	99
18) Hexachloroethane	7.26	117	181890	45.933	ng	98
19) n-Nitroso-di-n-propylamine	7.16	70	300688	49.618	ng	99
20) 3+4-Methylphenols	7.17	107	461692	50.367	ng	96
22) Acetophenone	7.16	105	607903	49.880	ng	# 97
24) Nitrobenzene	7.33	77	474324	48.080	ng	96
25) Isophorone	7.57	82	839947	48.480	ng	99
26) 2-Nitrophenol	7.65	139	255692	48.916	ng	95
27) 2,4-Dimethylphenol	7.69	122	387646	54.643	ng	98
28) bis(2-Chloroethoxy)methane	7.78	93	519078	46.029	ng	99
29) 2,4-Dichlorophenol	7.90	162	394289	47.211	ng	98
30) 1,2,4-Trichlorobenzene	7.97	180	453118	45.761	ng	98
31) Naphthalene	8.05	128	1305690	47.797	ng	99
32) Benzoic acid	7.85	122	236218	45.963	ng	97
33) 4-Chloroaniline	8.10	127	192069	16.347	ng	96
34) Hexachlorobutadiene	8.17	225	277749	45.031	ng	97
35) Caprolactam	8.48	113	119542m	46.486	ng	
36) 4-Chloro-3-methylphenol	8.60	107	407857	48.255	ng	99
37) 2-Methylnaphthalene	8.74	142	887233	48.261	ng	99
38) 1-Methylnaphthalene	8.84	142	827116	47.840	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.91	216	442532	47.955	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119117.D
 Acq On : 27 Feb 2020 18:41
 Operator : CG/JU
 Sample : L1688-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

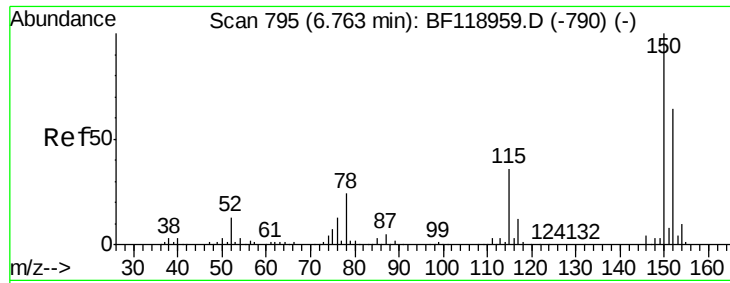
Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:41:42 PM

Quant Time: Feb 28 04:28:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.90	237	238088	71.951	nq	99
43) 2,4,6-Trichlorophenol	9.03	196	277864	47.682	nq	99
44) 2,4,5-Trichlorophenol	9.07	196	289509	47.343	nq	98
46) 1,1'-Biphenyl	9.20	154	1059704	47.905	nq	99
47) 2-Chloronaphthalene	9.23	162	846819	47.505	nq	98
48) 2-Nitroaniline	9.33	65	234055	47.075	nq	98
49) Acenaphthylene	9.65	152	1279138	49.683	nq	99
50) Dimethylphthalate	9.51	163	1066827	50.972	nq	99
51) 2,6-Dinitrotoluene	9.57	165	226178	48.641	nq	95
52) Acenaphthene	9.82	154	745851	48.044	nq	98
53) 3-Nitroaniline	9.74	138	113376	21.993	nq	99
54) 2,4-Dinitrophenol	9.86	184	132607	60.669	nq	# 92
55) Dibenzofuran	9.99	168	1128950	48.721	nq	99
56) 4-Nitrophenol	9.92	139	261067	84.290	nq	92
57) 2,4-Dinitrotoluene	9.98	165	282696	46.904	nq	95
58) Fluorene	10.33	166	874658	48.577	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.12	232	248224	48.106	nq	97
60) Diethylphthalate	10.20	149	959976	48.671	nq	99
61) 4-Chlorophenyl-phenylether	10.32	204	461320	48.403	nq	94
62) 4-Nitroaniline	10.36	138	193452	36.679	nq	98
63) Azobenzene	10.48	77	847512	49.435	nq	98
65) 4,6-Dinitro-2-methylphenol	10.39	198	122183	42.018	nq	97
66) n-Nitrosodiphenylamine	10.44	169	794366	50.484	nq	99
67) 4-Bromophenyl-phenylether	10.81	248	301572	48.010	nq	92
68) Hexachlorobenzene	10.88	284	333490	46.048	nq	96
69) Atrazine	10.97	200	280269	50.979	nq	99
70) Pentachlorophenol	11.08	266	239079	81.951	nq	100
71) Phenanthrene	11.29	178	1263029	48.194	nq	98
72) Anthracene	11.34	178	1313843	50.175	nq	98
73) Carbazole	11.50	167	1106317	47.425	nq	99
74) Di-n-butylphthalate	11.83	149	1442709	51.069	nq	98
75) Fluoranthene	12.47	202	1287627	46.287	nq	99
77) Benzidine	12.60	184	618904	47.498	nq	97
78) Pyrene	12.70	202	1260992	49.014	nq	99
80) Butylbenzylphthalate	13.32	149	554216	51.184	nq	97
81) Benzo(a)anthracene	13.89	228	1076900	49.330	nq	99
82) 3,3'-Dichlorobenzidine	13.85	252	382129	45.079	nq	98
83) Chrysene	13.93	228	1032820	47.481	nq	99
84) Bis(2-ethylhexyl)phthalate	13.88	149	768719	56.195	nq	99
85) Di-n-octyl phthalate	14.49	149	1248597	57.287	nq	99
86) Indeno(1,2,3-cd)pyrene	16.74	276	1273348	60.457	nq	100
88) Benzo(b)fluoranthene	14.92	252	1078392	46.115	nq	100
89) Benzo(k)fluoranthene	14.95	252	1068955	49.326	nq	99
90) Benzo(a)pyrene	15.27	252	1007636	47.743	nq	99
91) Dibenzo(a,h)anthracene	16.74	278	1067448	57.482	nq	99
92) Benzo(g,h,i)perylene	17.16	276	1069316	58.279	nq	99

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



#1

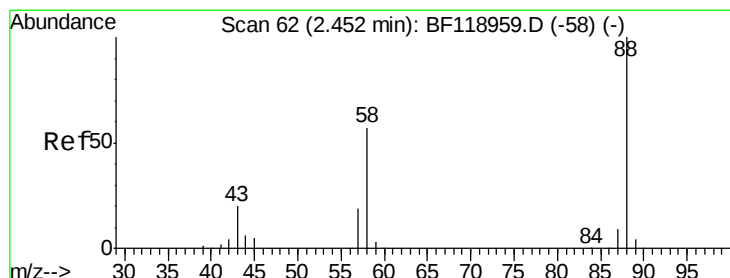
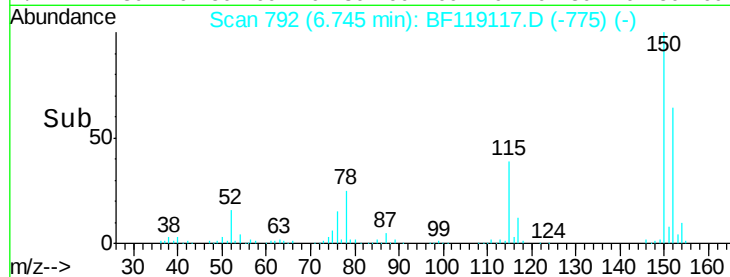
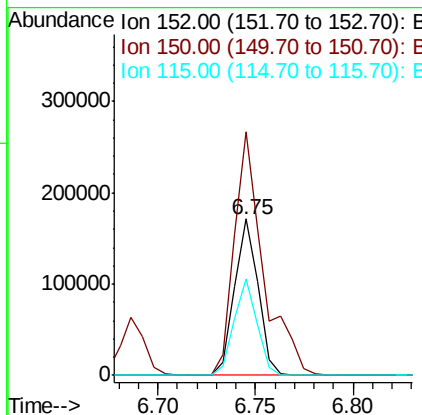
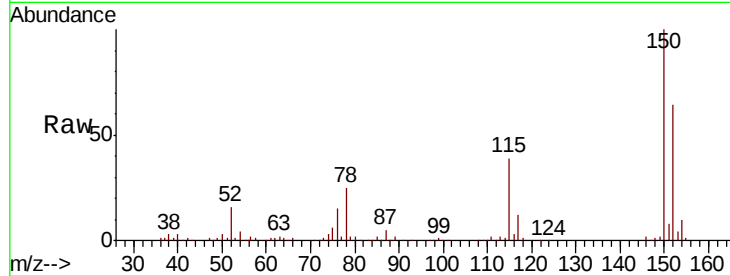
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	123.0	184.6
115	61.5	49.5	74.3

Manual Integrations
APPROVED

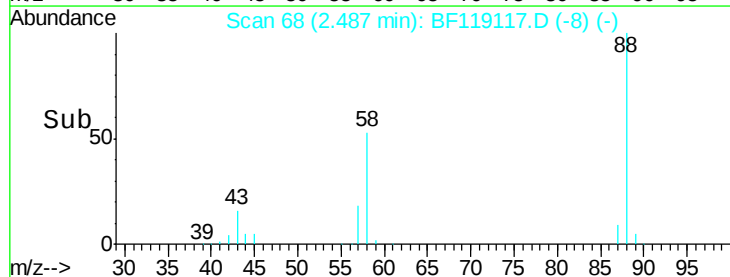
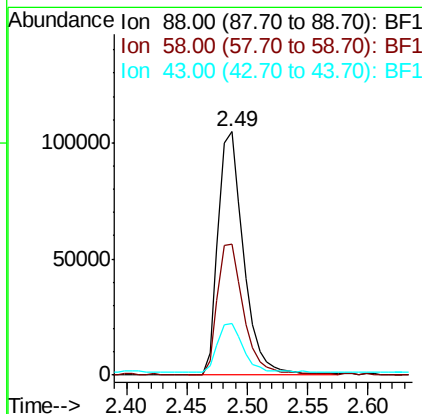
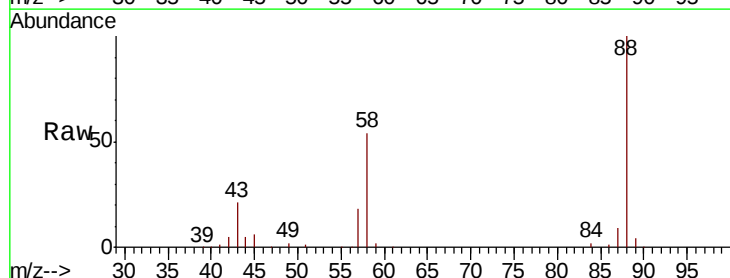
mohammad
2/28/2020 2:41:42 PM

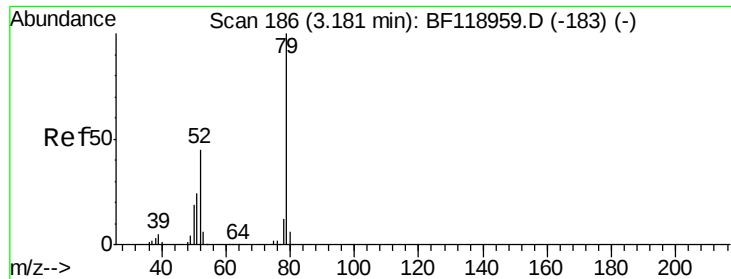


#2

1,4-Dioxane
Concen: 40.375 ng
RT: 2.49 min Scan# 68
Delta R.T. 0.05 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.6	43.8	65.6
43	20.7	16.2	24.4





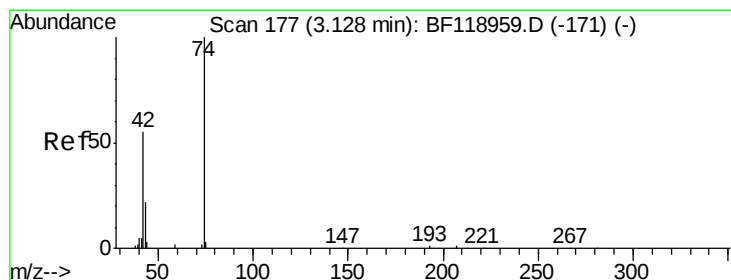
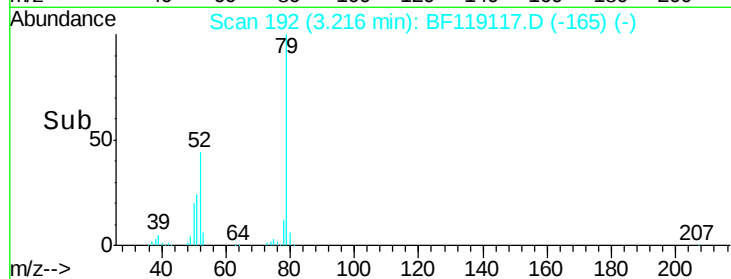
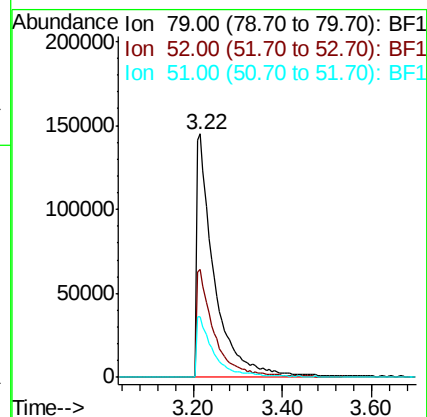
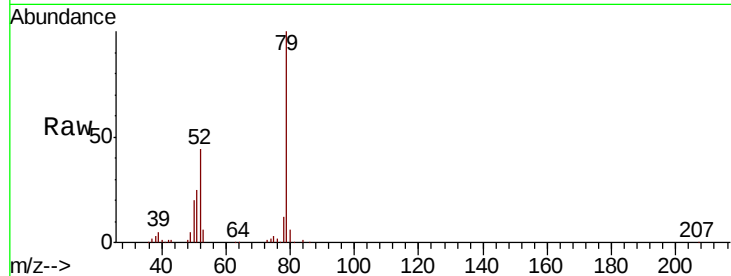
#3
 Pvridine
 Concen: 37.561 ng
 RT: 3.22 min Scan# 192
 Delta R.T. 0.06 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion:	79	Resp:	390551
Ion Ratio	Lower	Upper	
79	100		
52	44.2	37.4	56.0
51	24.7	19.8	29.6

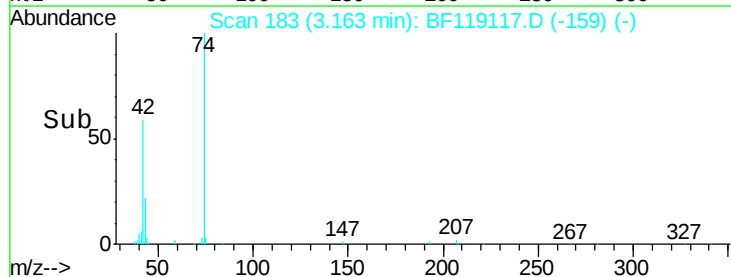
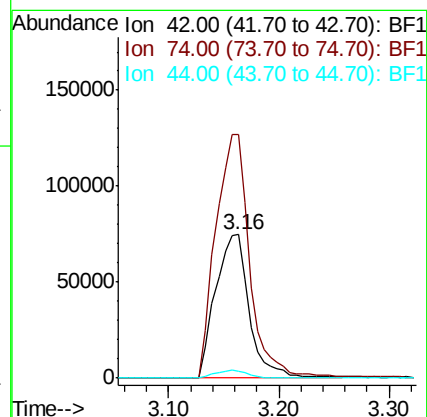
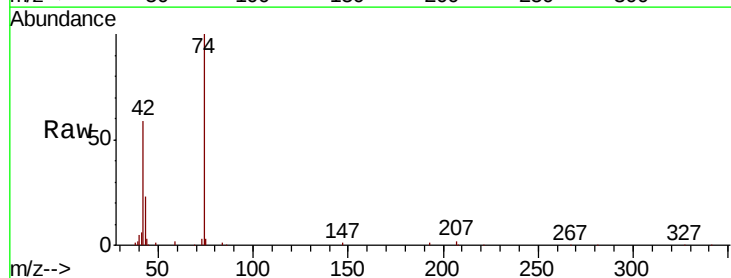
Manual Integrations
 APPROVED

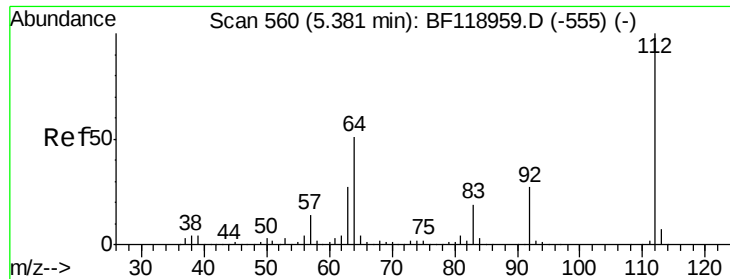
mohammad
 2/28/2020 2:41:42 PM



#4
 n-Nitrosodimethylamine
 Concen: 50.088 ng
 RT: 3.16 min Scan# 183
 Delta R.T. 0.04 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion:	42	Resp:	157768
Ion Ratio	Lower	Upper	
42	100		
74	169.9	137.7	206.5
44	5.1	4.5	6.7





#5

2-Fluorophenol

Concen: 82.750 ng

RT: 5.37 min Scan# 559

Delta R.T. 0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

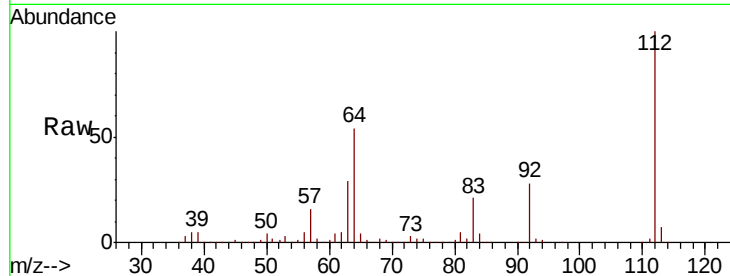
ClientSampleId :

GP-02-022420MSD

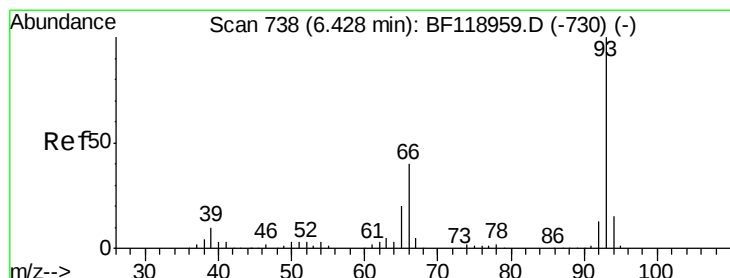
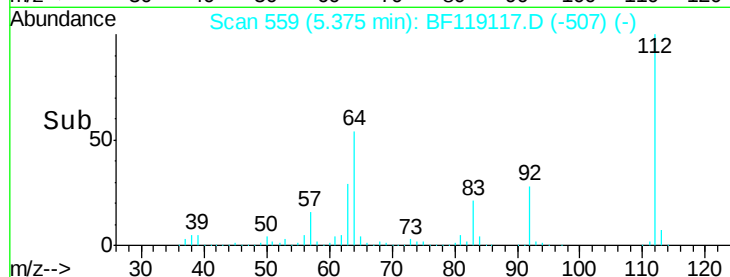
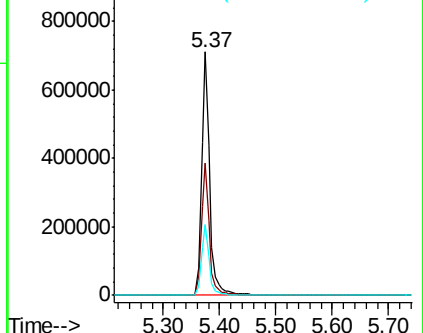
Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		707617		
64	54.5	45.0	67.4		
63	29.2	24.2	36.4		

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 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: 34.665 ng

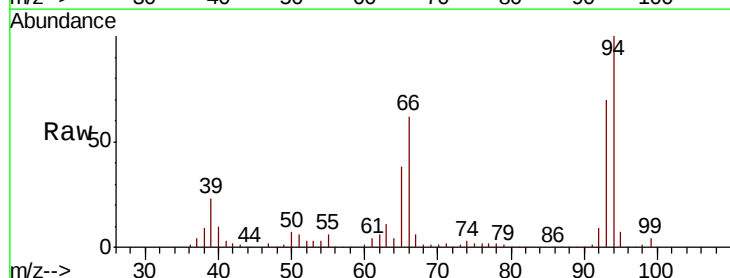
RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

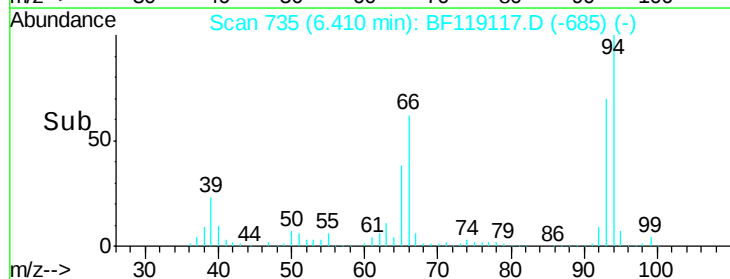
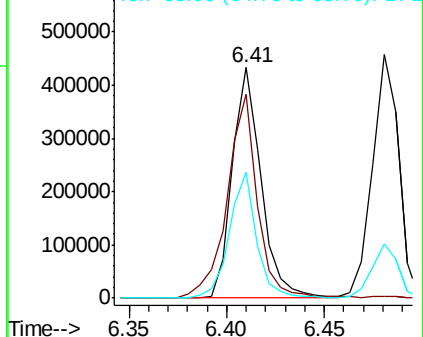
Lab File: BF119117.D

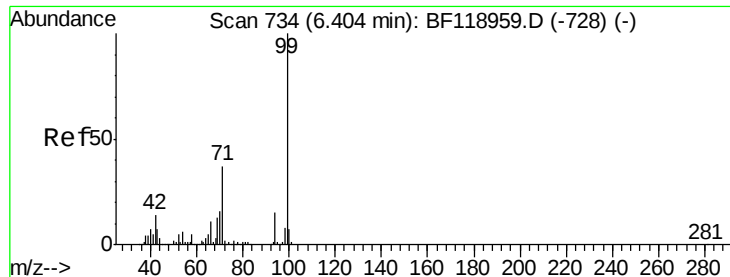
Acq: 27 Feb 2020 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		444846		
66	88.5	74.5	111.7		
65	54.4	45.3	67.9		



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: 82.330 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

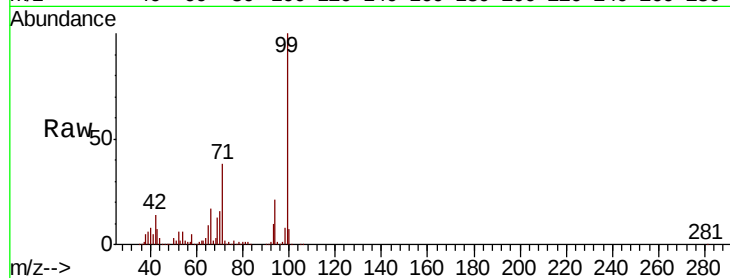
ClientSampleId :

GP-02-022420MSD

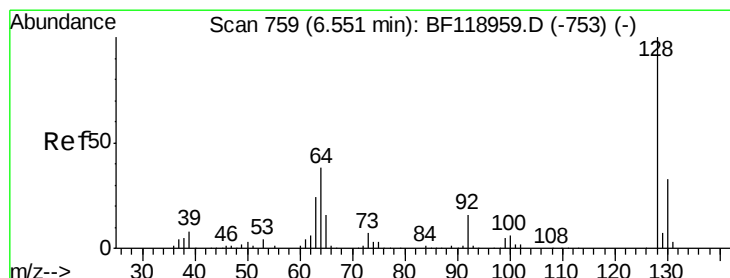
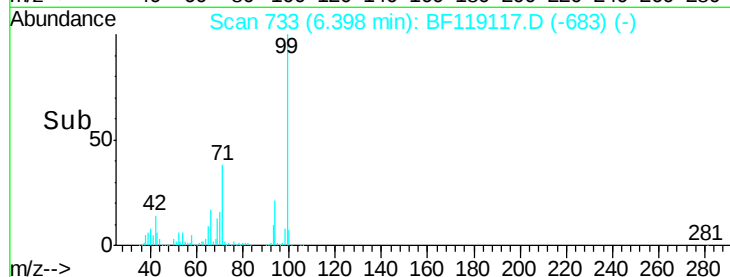
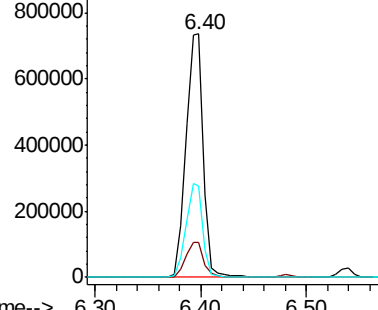
Tot Ion:	99	Resp:	856224
Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.6	18.8
71	37.6	31.0	46.4

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 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: 51.669 ng

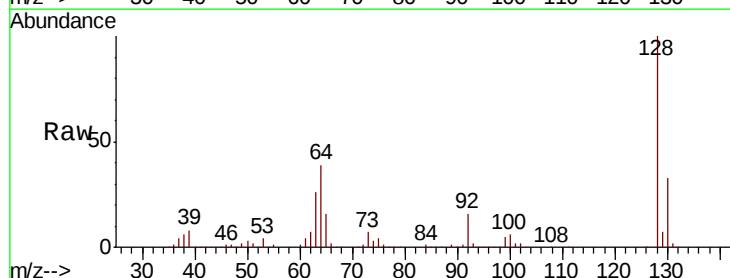
RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

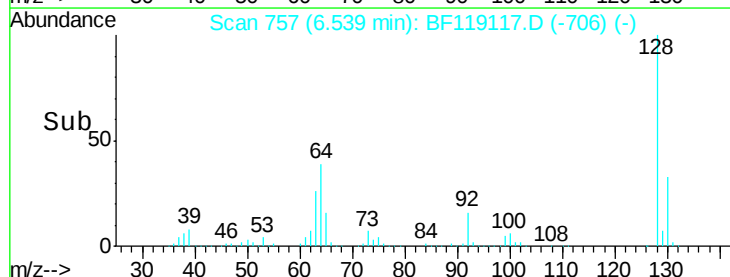
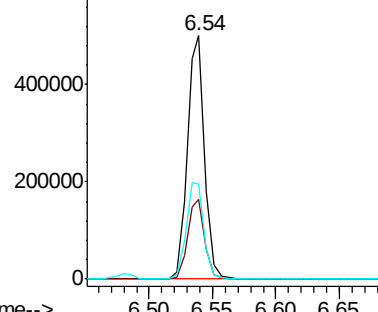
Lab File: BF119117.D

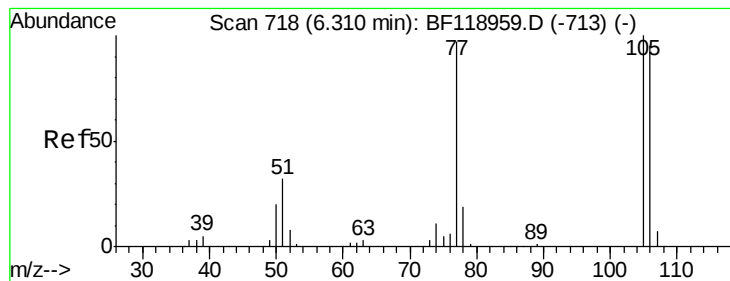
Acq: 27 Feb 2020 18:41

Tgt Ion:	128	Resp:	476824
Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.7	52.7
64	38.9	22.3	62.3



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: 27.820 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

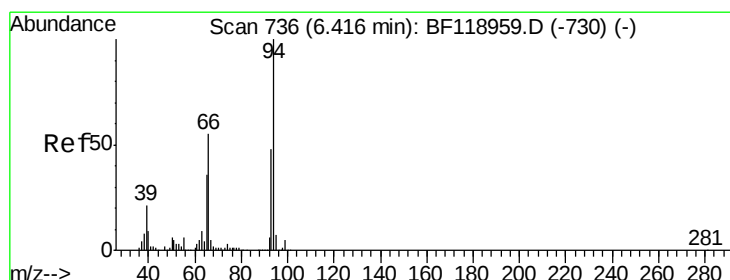
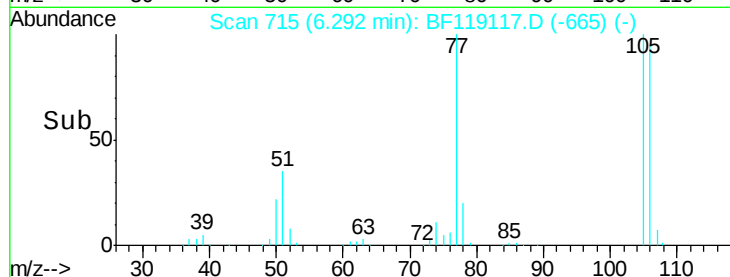
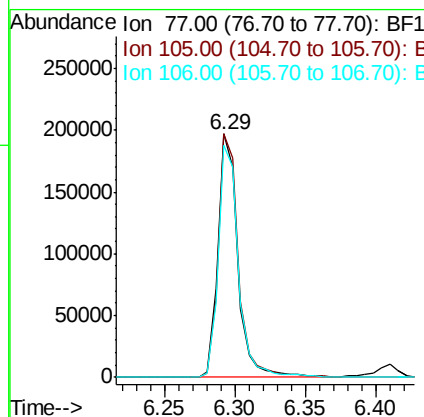
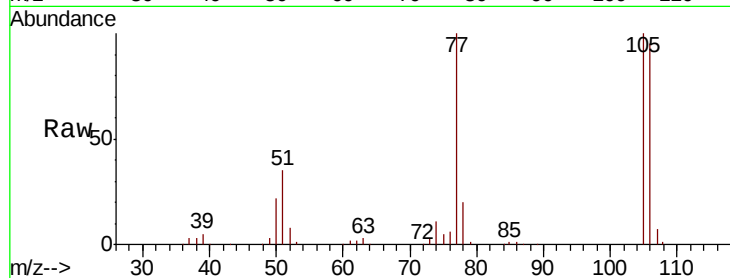
ClientSampleId :

GP-02-022420MSD

Tot Ion:	77	Resp:	193306
Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.1	120.1
106	95.3	75.9	115.9

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#10

Phenol

Concen: 49.292 ng

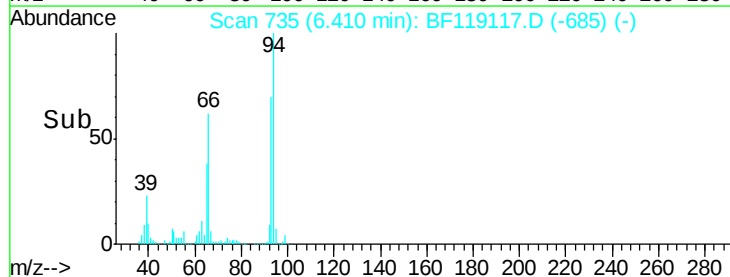
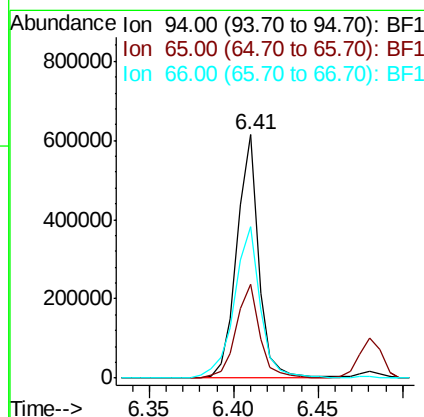
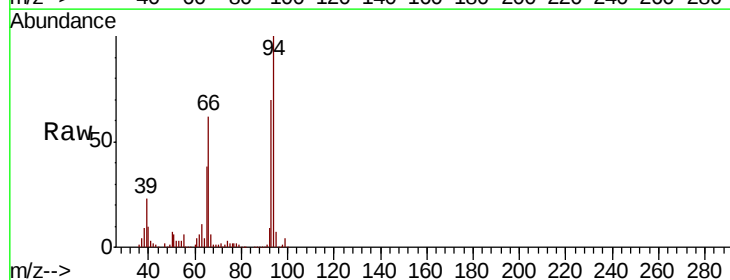
RT: 6.41 min Scan# 735

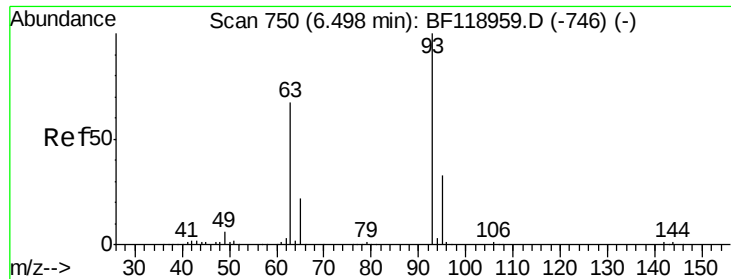
Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion:	94	Resp:	554248
Ion	Ratio	Lower	Upper
94	100		
65	38.3	19.2	59.2
66	62.3	44.4	84.4





#11

bis(2-Chloroethyl)ether

Concen: 49.493 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

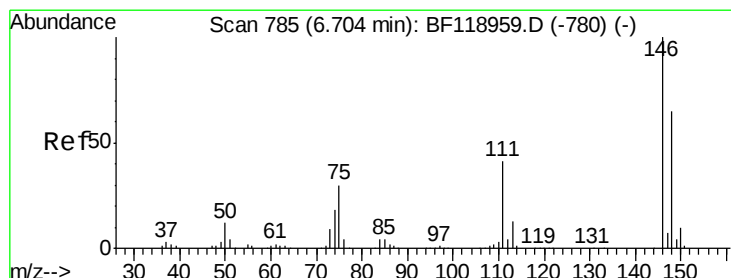
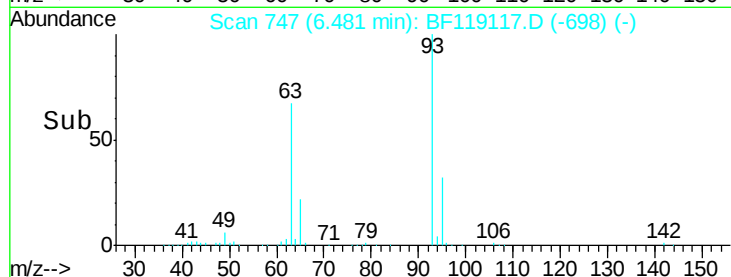
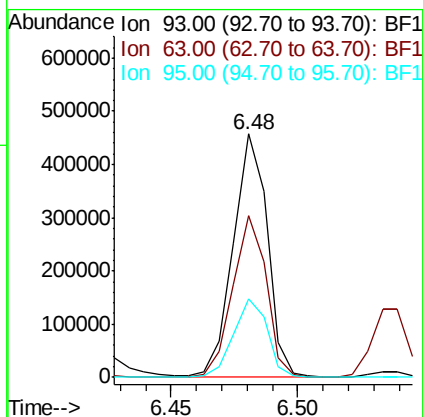
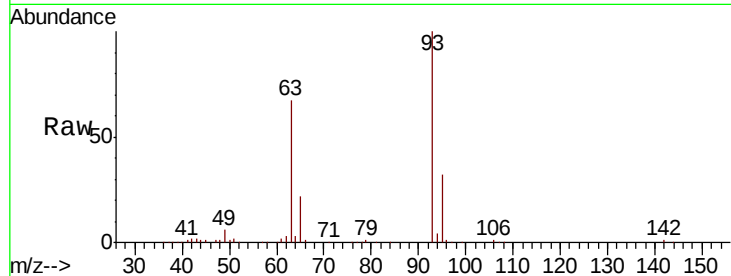
ClientSampleId :

GP-02-022420MSD

Tot Ion:	93	Resp:	425807
Ion Ratio	Lower	Upper	
93	100		
63	66.7	45.4	85.4
95	32.4	13.5	53.5

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#12

1,3-Dichlorobenzene

Concen: 46.840 ng

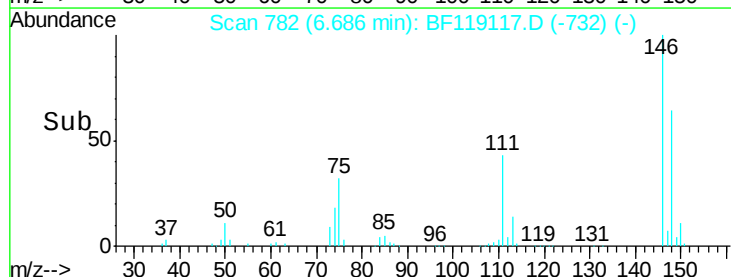
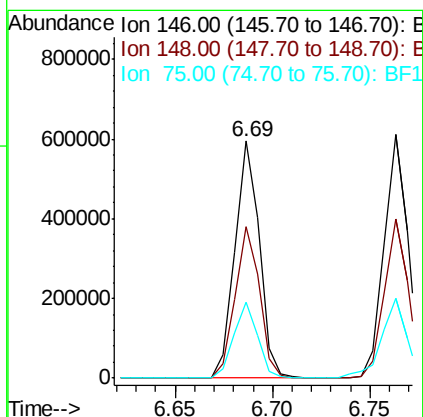
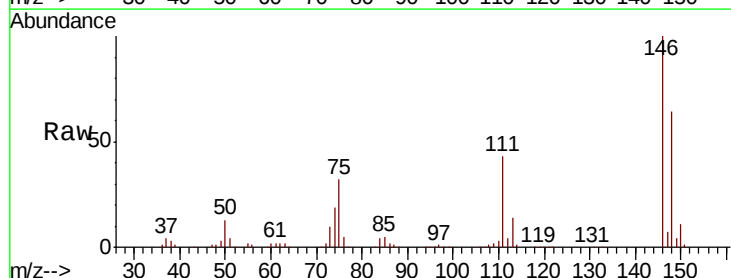
RT: 6.69 min Scan# 782

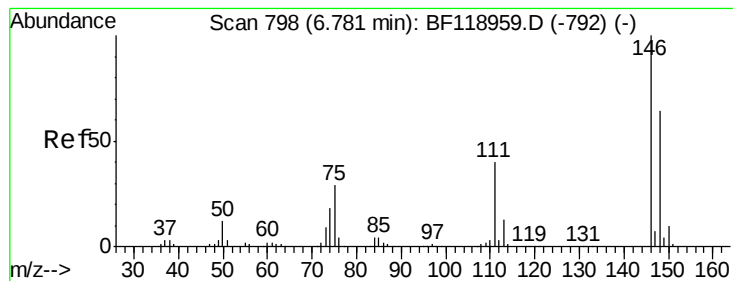
Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion:	146	Resp:	518091
Ion Ratio	Lower	Upper	
146	100		
148	63.8	52.5	78.7
75	32.1	23.6	35.4





#13

1,4-Dichlorobenzene

Concen: 47.535 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

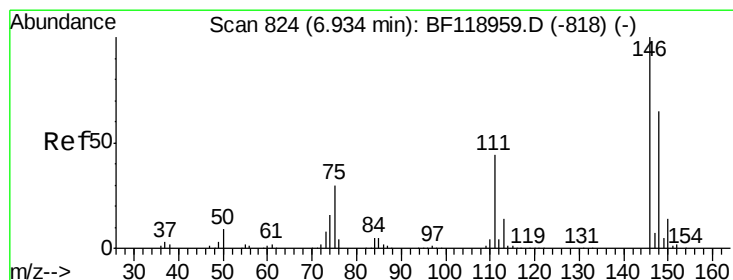
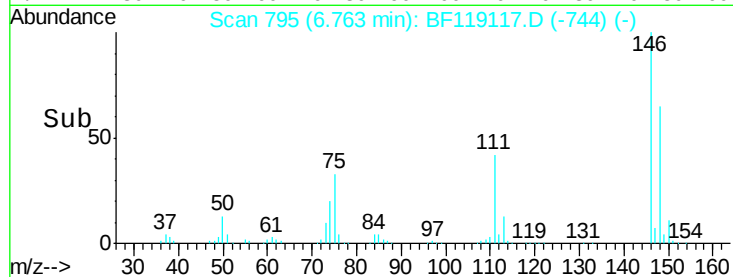
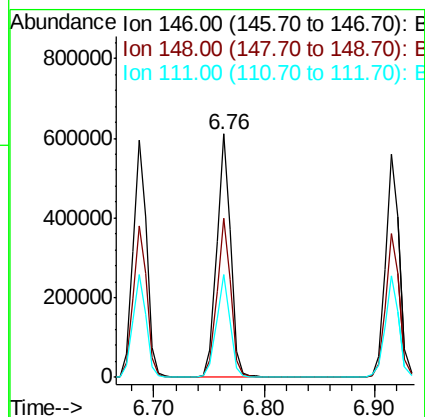
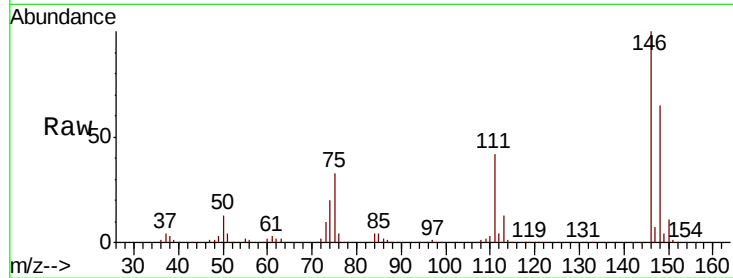
ClientSampleId :

GP-02-022420MSD

Tot Ion:	146	Resp:	526140
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.1	76.7
111	42.3	34.8	52.2

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#14

1,2-Dichlorobenzene

Concen: 48.363 ng

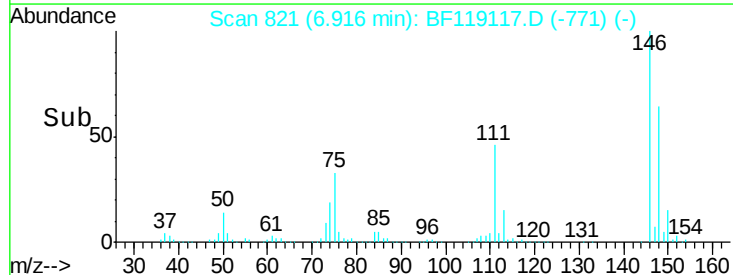
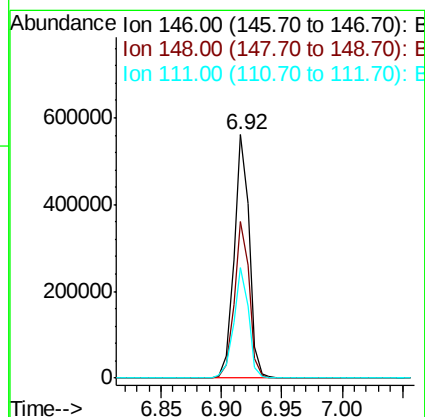
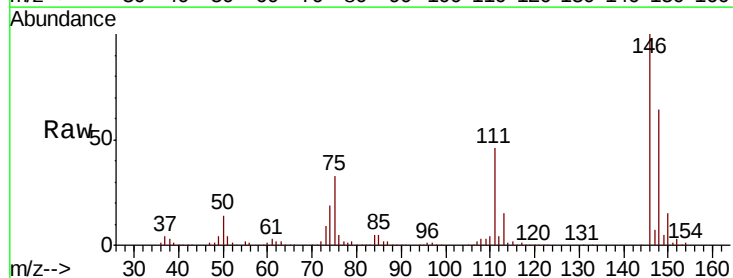
RT: 6.92 min Scan# 821

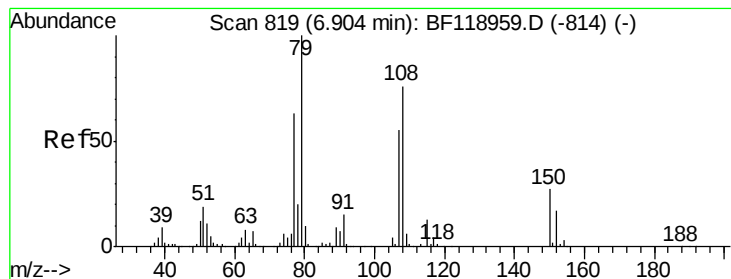
Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion:	146	Resp:	488200
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.9	77.9
111	45.6	36.2	54.2





#15

Benzyl Alcohol

Concen: 51.151 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

ClientSampleId :

GP-02-022420MSD

Tot Ion: 79 Resp: 384472

Ion Ratio Lower Upper

79 100

108 76.6 58.2 87.2

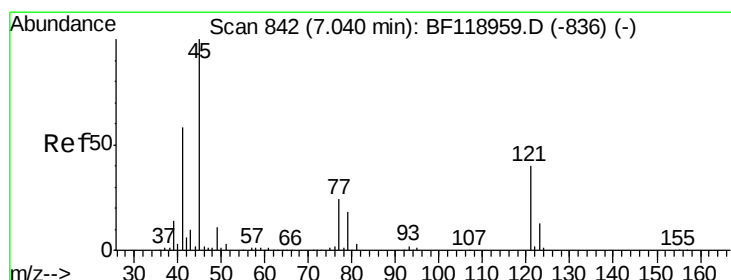
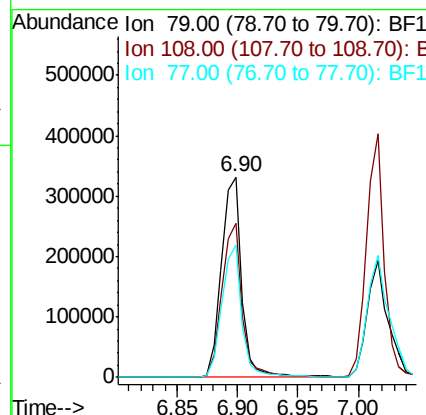
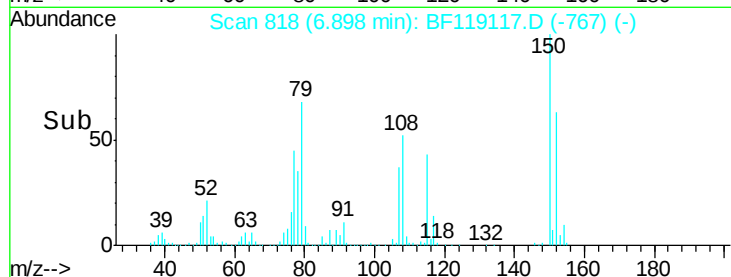
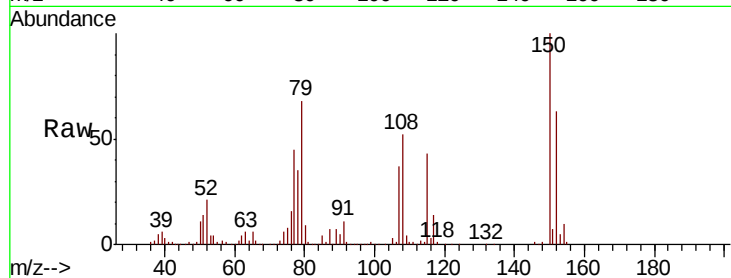
77 65.8 51.2 76.8

Manual Integrations

APPROVED

mohammad

2/28/2020 2:41:42 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.592 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

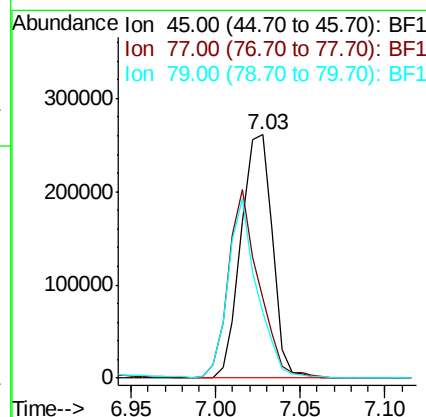
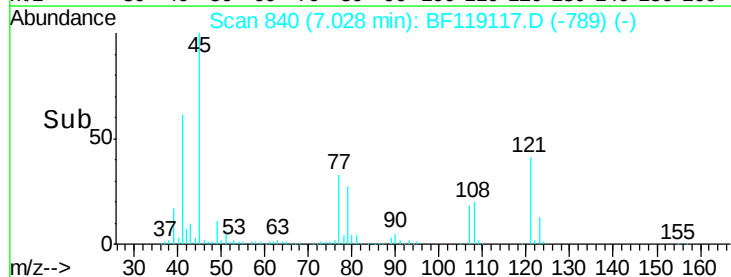
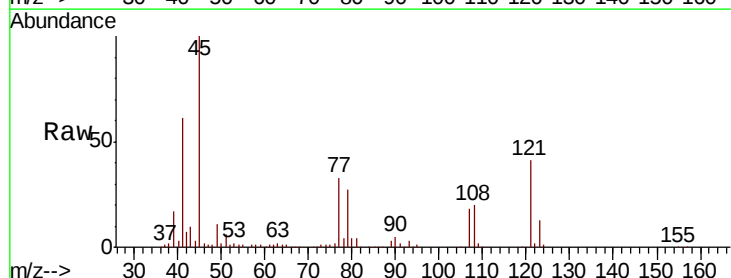
Tgt Ion: 45 Resp: 339782

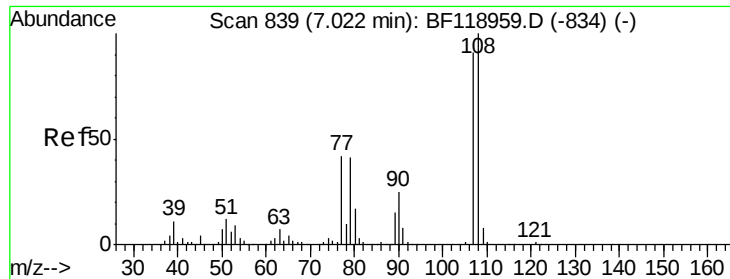
Ion Ratio Lower Upper

45 100

77 33.0 15.0 55.0

79 26.9 9.4 49.4





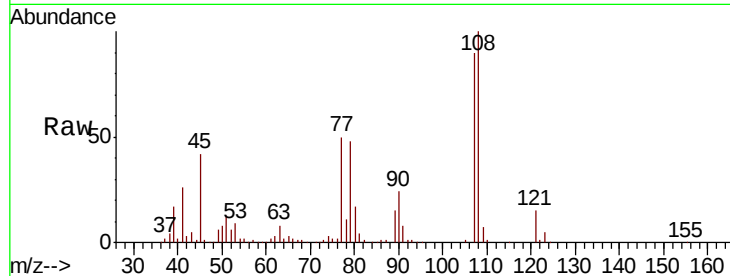
#17
2-Methylphenol
Concen: 49.294 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

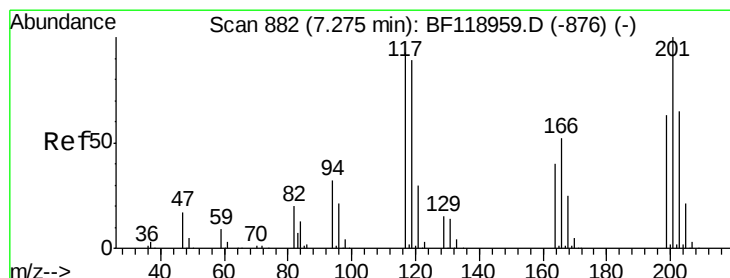
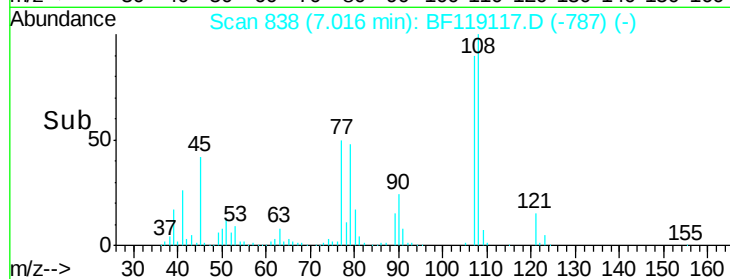
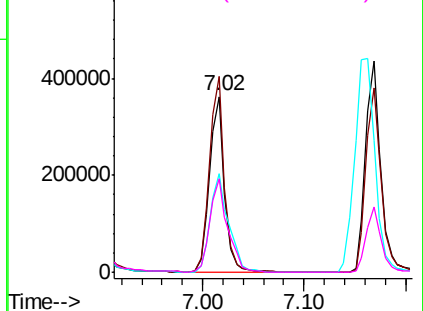
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.0	87.9	131.9	
77	55.9	45.3	67.9	
79	53.1	43.0	64.4	

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM

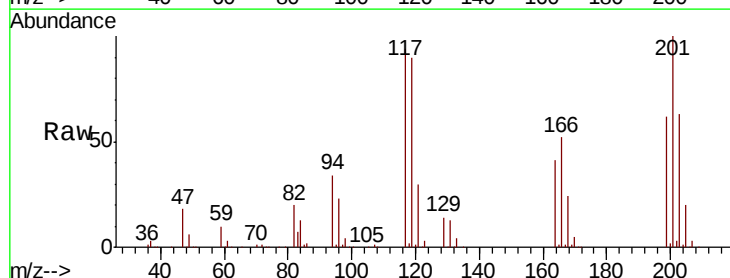


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

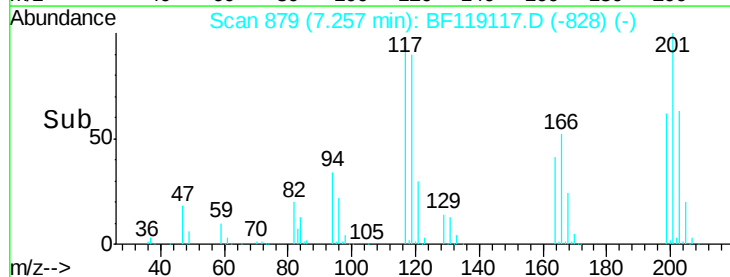
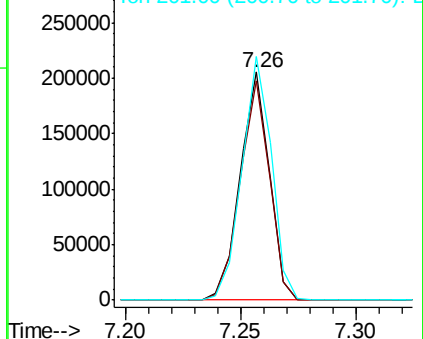


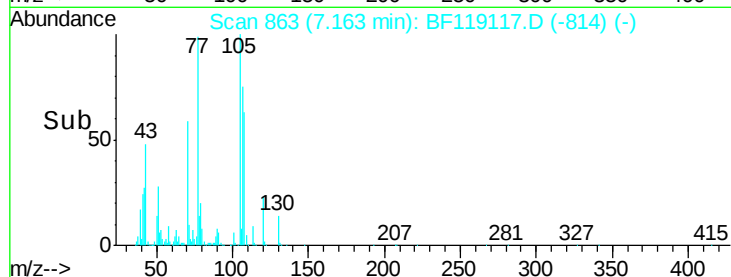
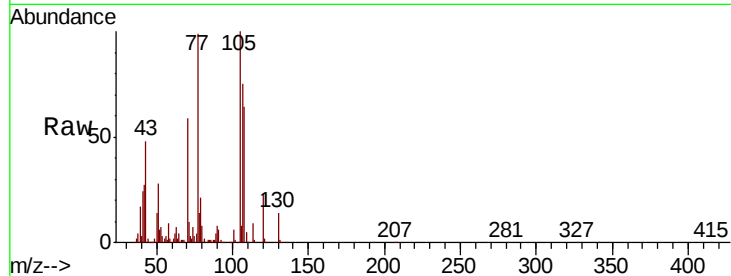
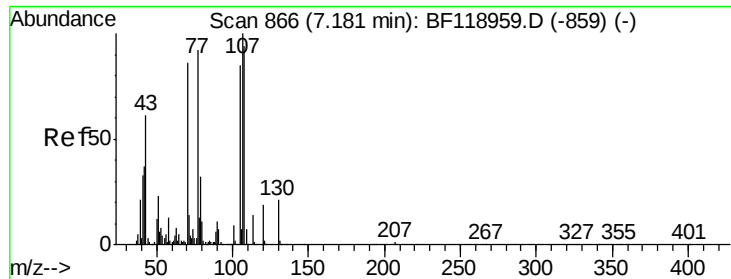
#18
Hexachloroethane
Concen: 45.933 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	77.5	116.3	
201	106.7	82.6	123.8	



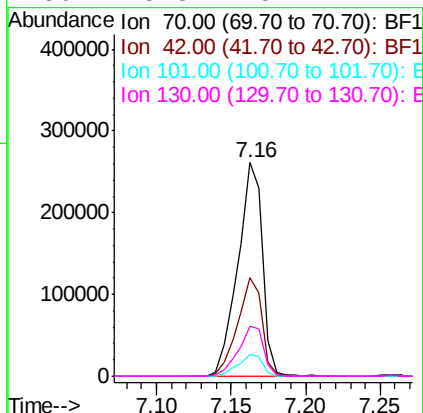
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 49.618 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

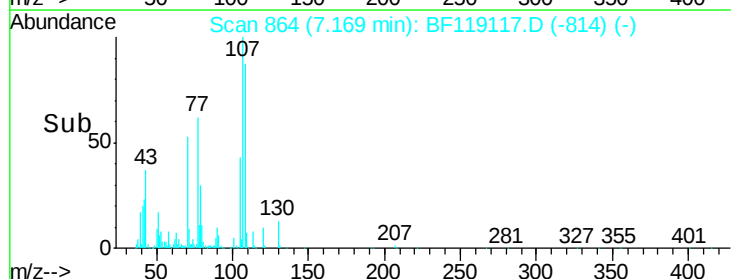
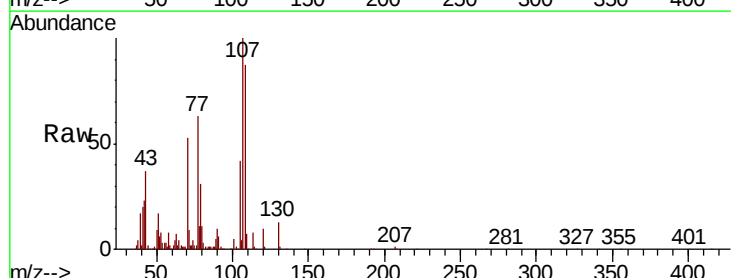
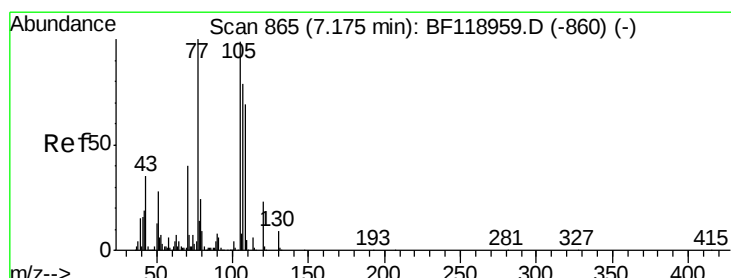
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.3	38.0	57.0
101	10.2	8.2	12.4
130	23.3	18.2	27.4



Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

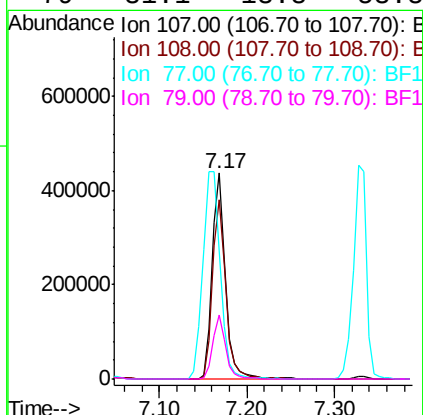
Manual Integrations
APPROVED

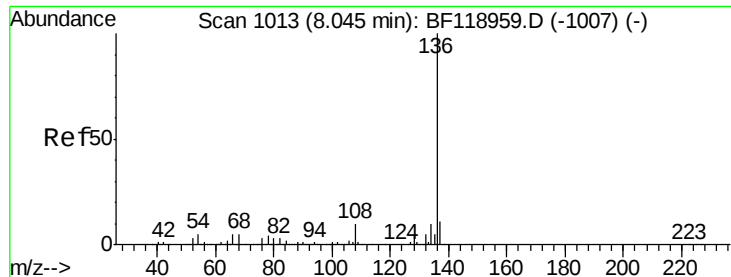
mohammad
2/28/2020 2:41:42 PM



#20
3+4-Methylphenols
Concen: 50.367 ng
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	71.5	111.5
77	62.6	45.9	85.9
79	31.1	13.8	53.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

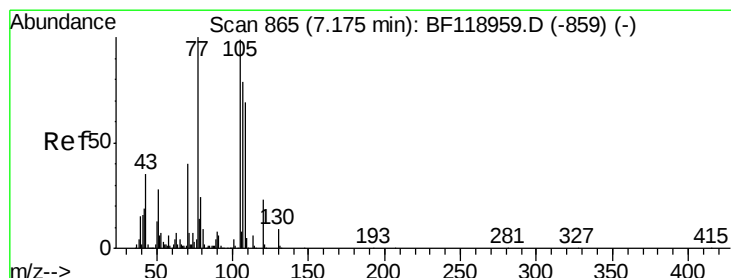
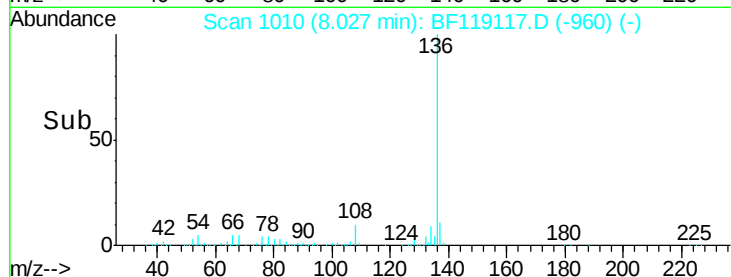
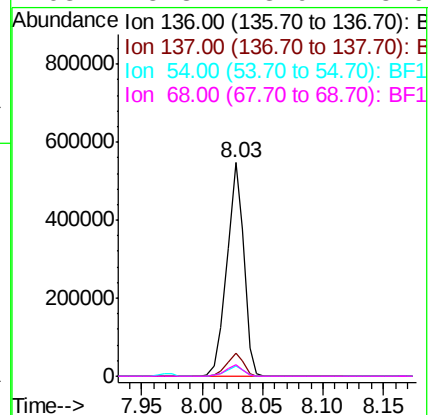
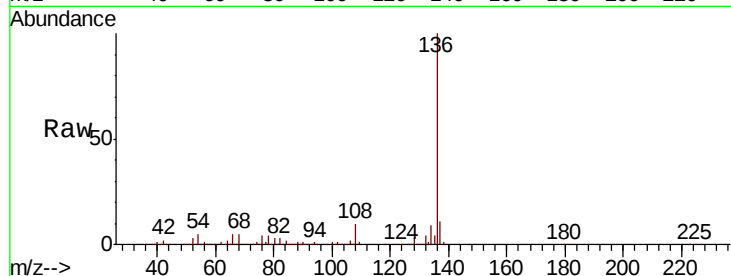
ClientSampleId :

GP-02-022420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		526739		
137	11.1		8.8	13.2	
54	4.9		3.8	5.6	
68	5.3		3.9	5.9	

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#22

Acetophenone

Concen: 49.880 ng

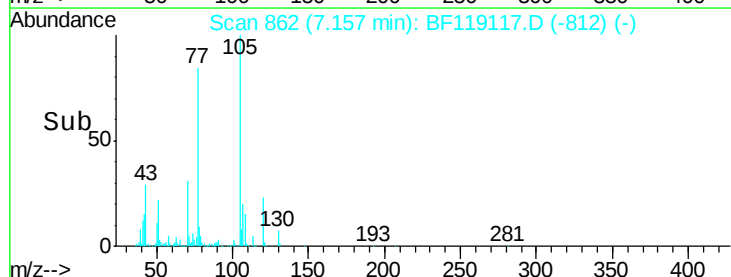
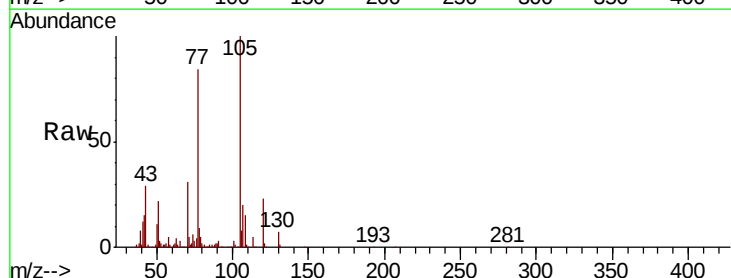
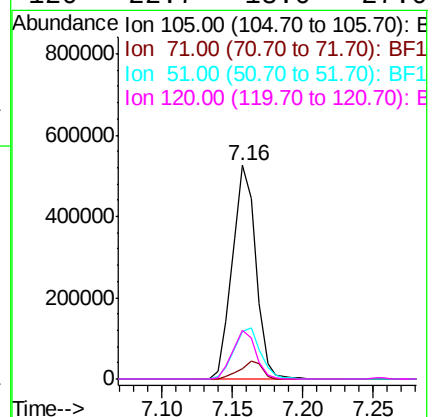
RT: 7.16 min Scan# 862

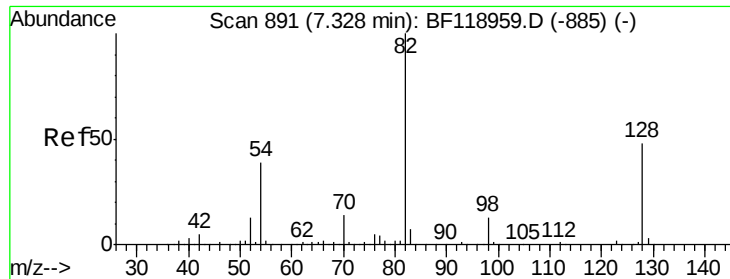
Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		607903		
71	5.1		3.0	4.4#	
51	22.2		20.1	30.1	
120	22.7		18.0	27.0	





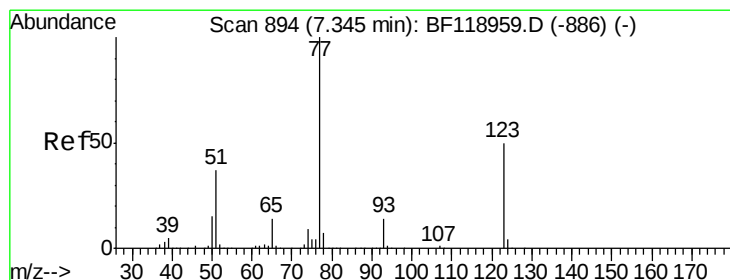
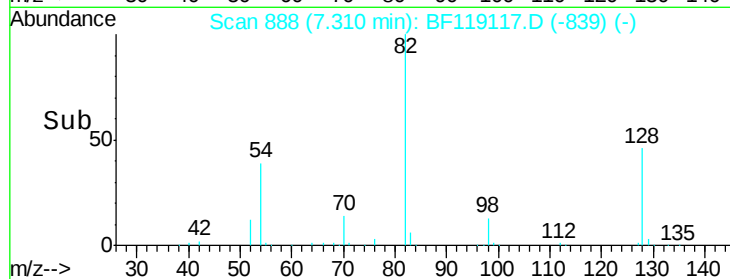
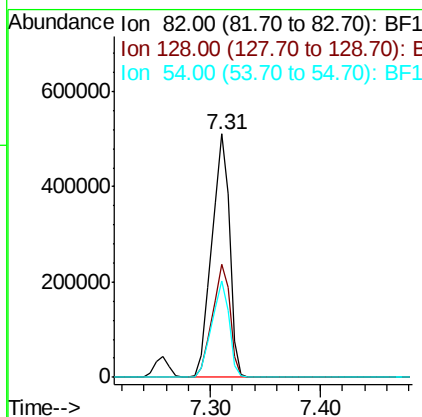
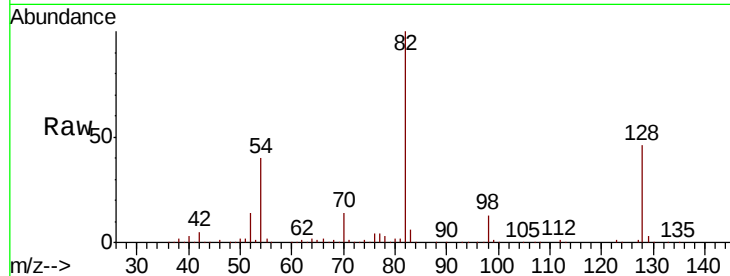
#23
Nitrobenzene-d5
Concen: 56.555 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	82	Resp	564200
Ion Ratio	Lower	Upper	
82	100		
128	46.3	37.9	56.9
54	39.5	33.4	50.2

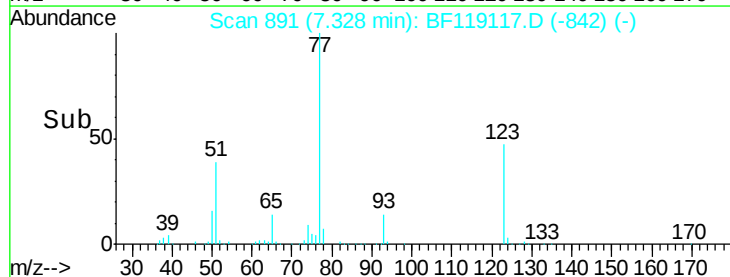
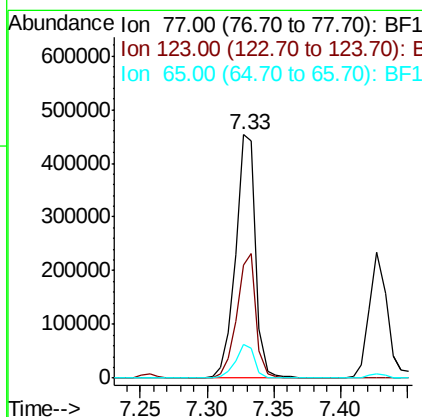
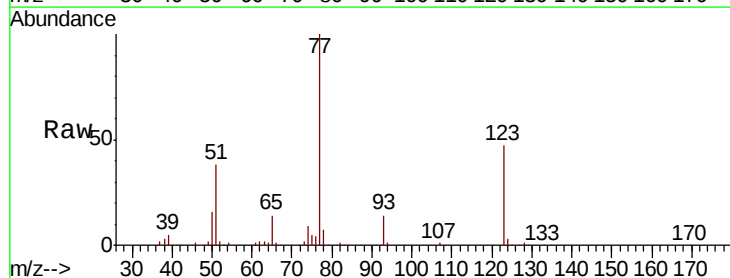
Manual Integrations
APPROVED

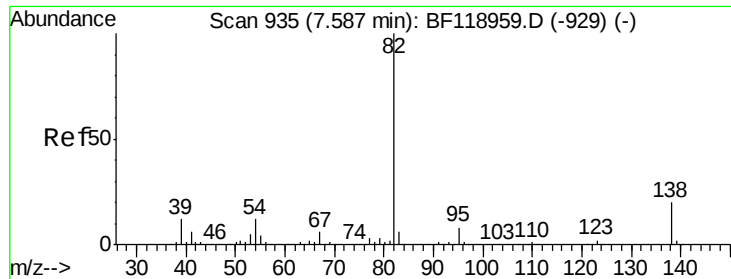
mohammad
2/28/2020 2:41:42 PM



#24
Nitrobenzene
Concen: 48.080 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	77	Resp	474324
Ion Ratio	Lower	Upper	
77	100		
123	46.7	40.2	60.2
65	13.8	10.8	16.2





#25

Isophorone

Concen: 48.480 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

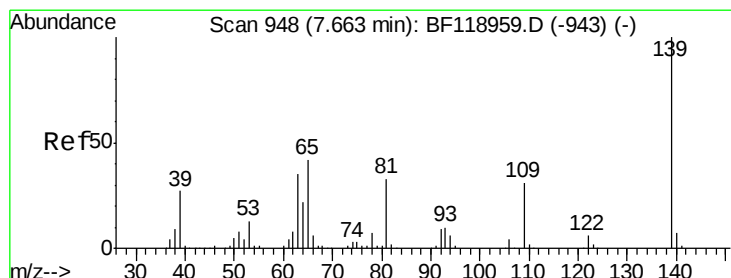
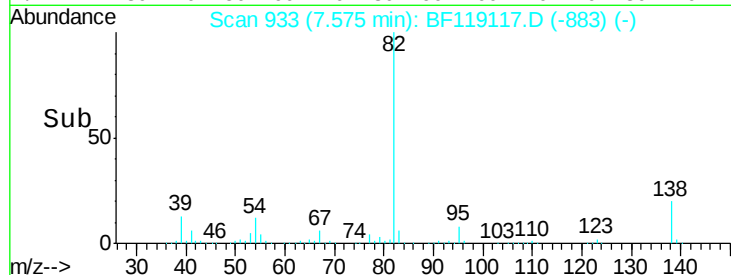
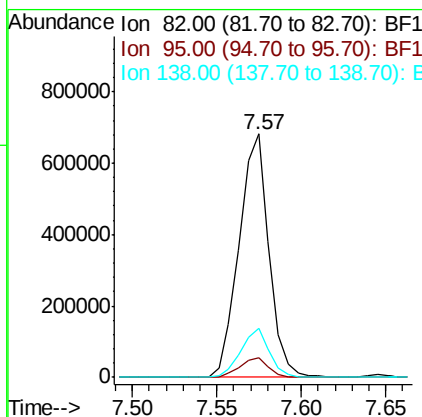
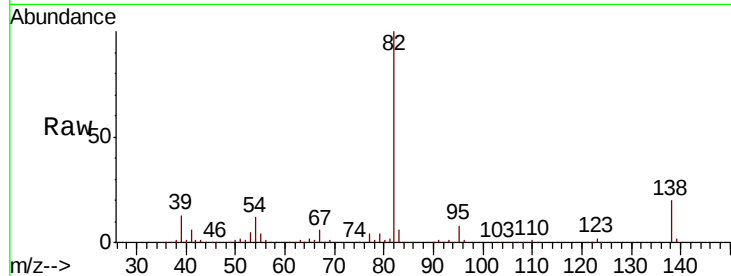
ClientSampleId :

GP-02-022420MSD

Tot Ion:	82	Resp:	839947
Ion Ratio	Lower	Upper	
82	100		
95	8.0	6.4	9.6
138	20.3	15.7	23.5

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#26

2-Nitrophenol

Concen: 48.916 ng

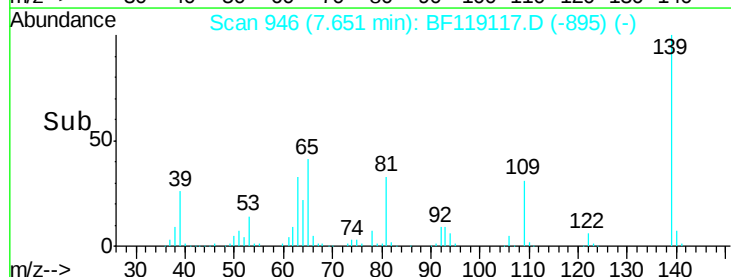
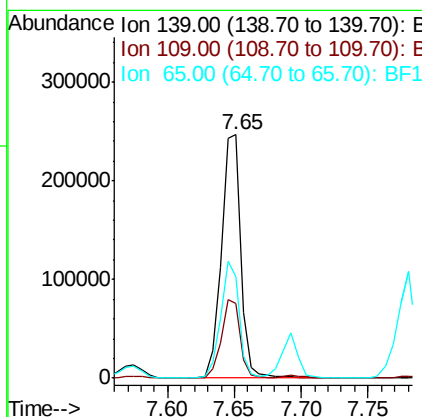
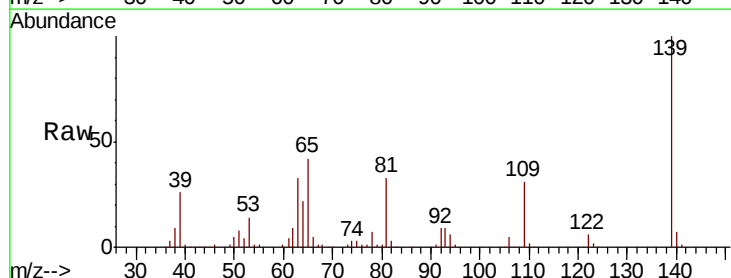
RT: 7.65 min Scan# 946

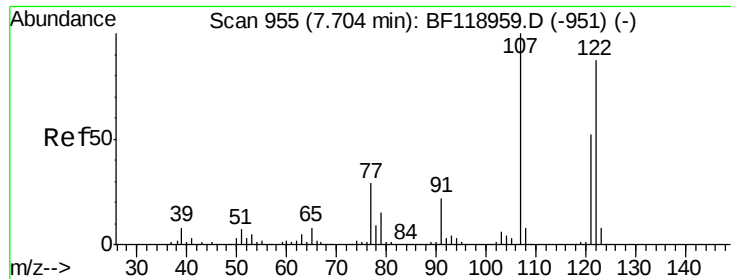
Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion:	139	Resp:	255692
Ion Ratio	Lower	Upper	
139	100		
109	30.5	25.7	38.5
65	41.6	37.1	55.7





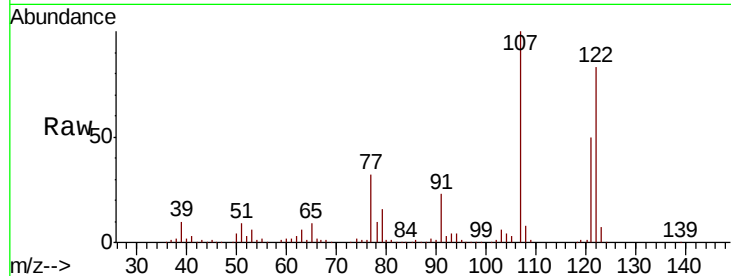
#27
2,4-Dimethylphenol
Concen: 54.643 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

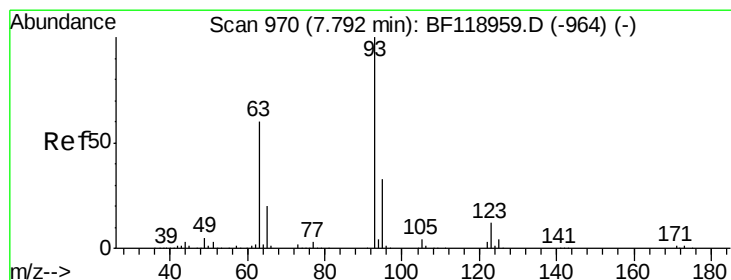
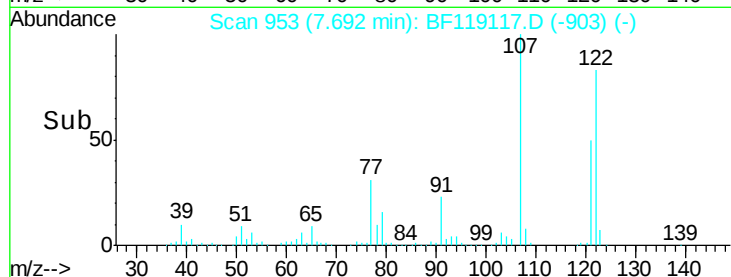
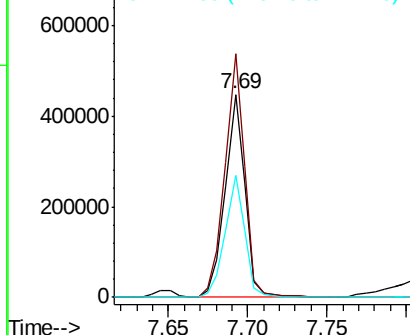
Tot Ion	Ratio	Resp	Lower	Upper
122	100	387646		
107	119.9	93.8	140.6	
121	59.9	48.2	72.2	

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM

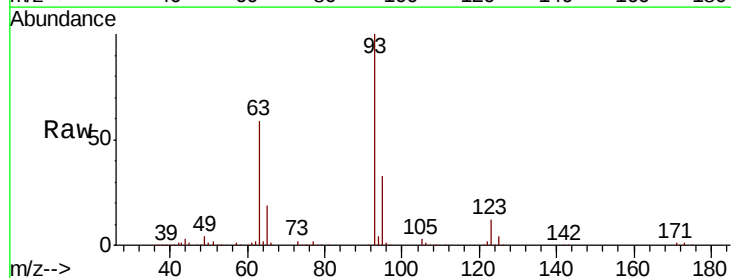


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

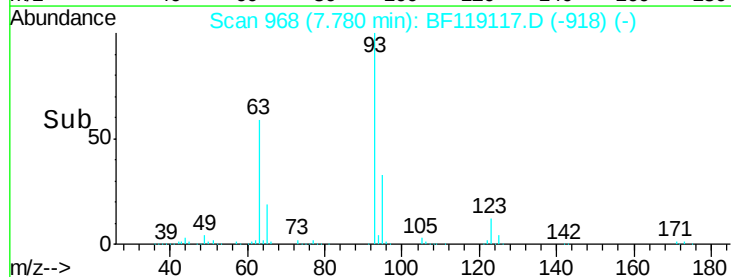
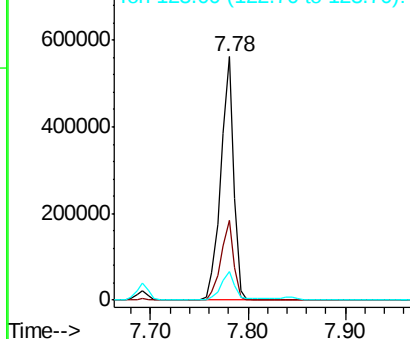


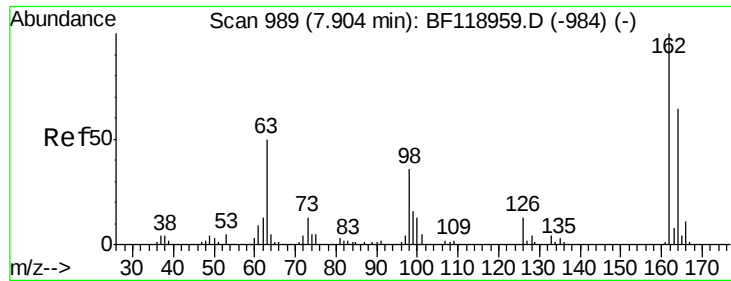
#28
bis(2-Chloroethoxy)methane
Concen: 46.029 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	519078		
95	32.8	26.5	39.7	
123	11.8	10.2	15.2	



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





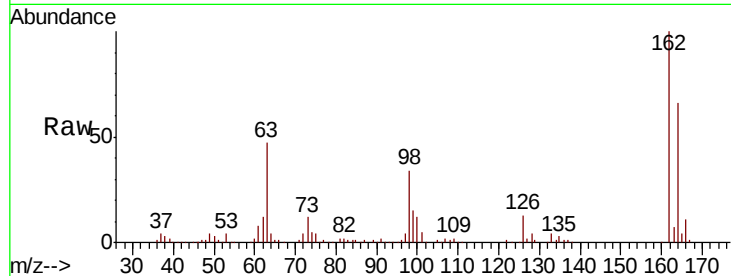
#29
2,4-Dichlorophenol
Concen: 47.211 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.9	45.2	85.2
98	34.5	17.4	57.4

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM

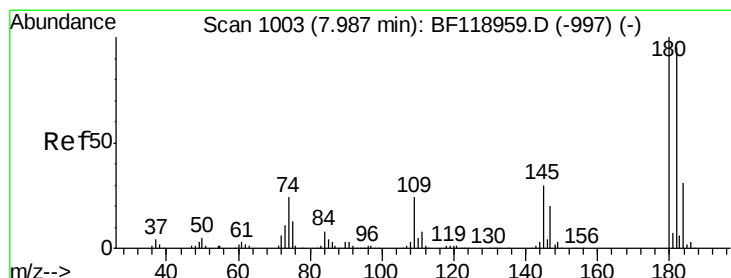
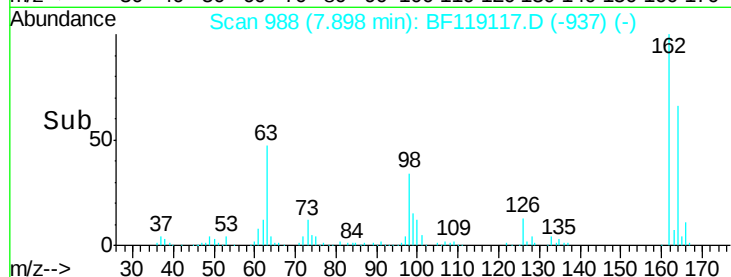
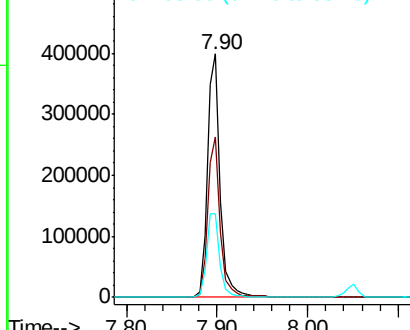


Abundance

Ion 162.00 (161.70 to 162.70): E

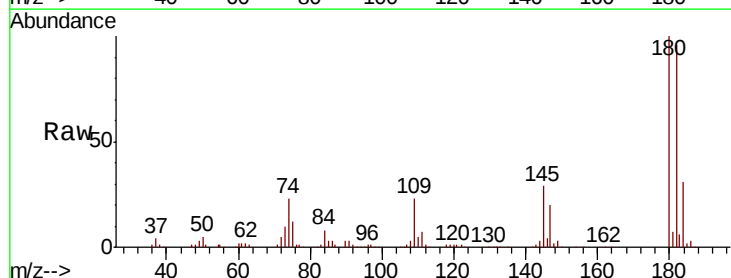
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 45.761 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.8	116.6
145	29.3	25.2	37.8

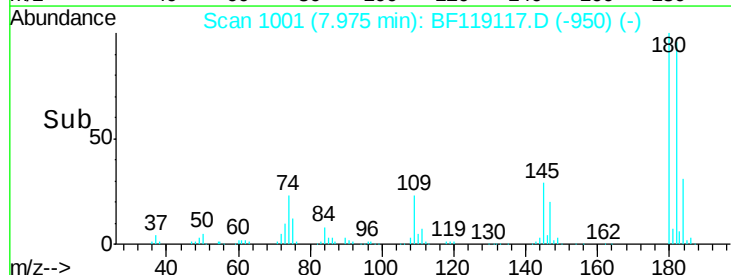
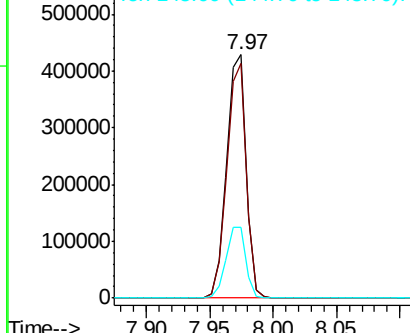


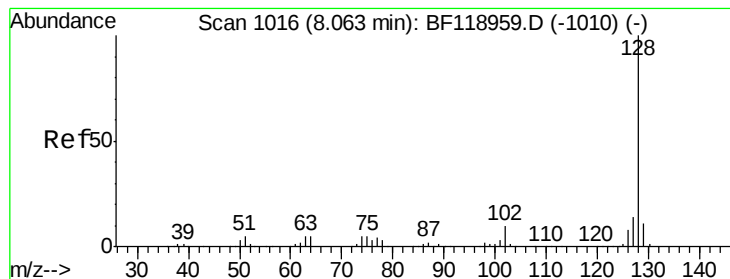
Abundance

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: 47.797 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

ClientSampleId :

GP-02-022420MSD

Tot Ion:128 Resp: 1305690

Ion Ratio Lower Upper

128 100

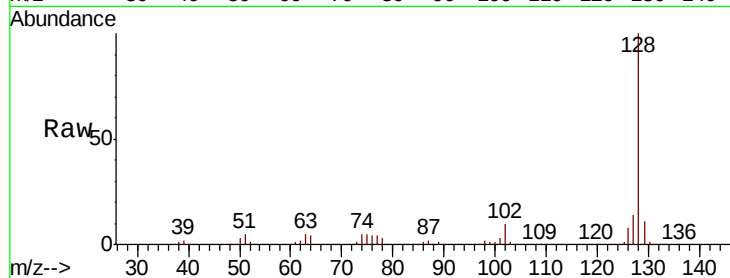
129 11.5 9.4 14.2

127 13.9 11.4 17.2

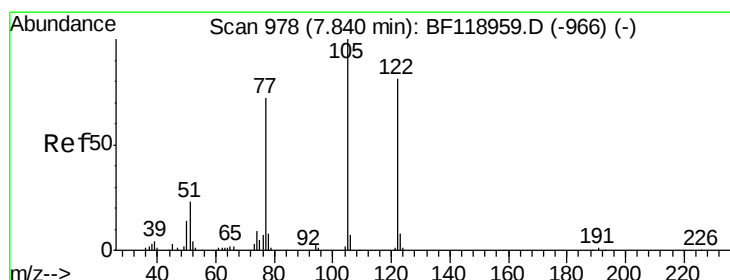
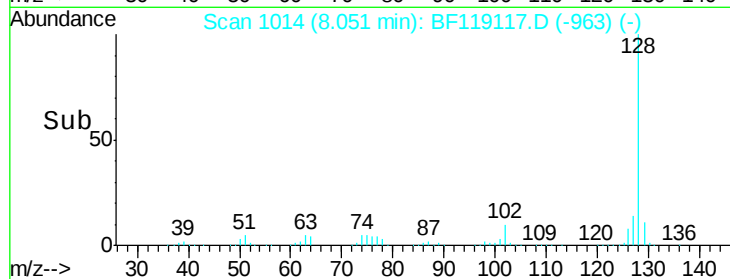
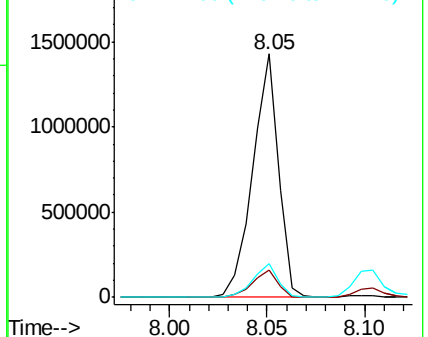
Manual Integrations
APPROVED

mohammad

2/28/2020 2:41:42 PM



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



#32

Benzoic acid

Concen: 45.963 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

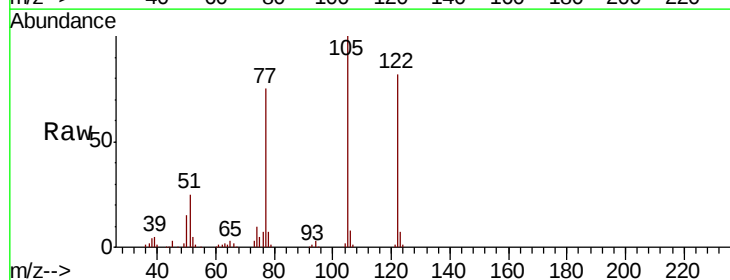
Tgt Ion:122 Resp: 236218

Ion Ratio Lower Upper

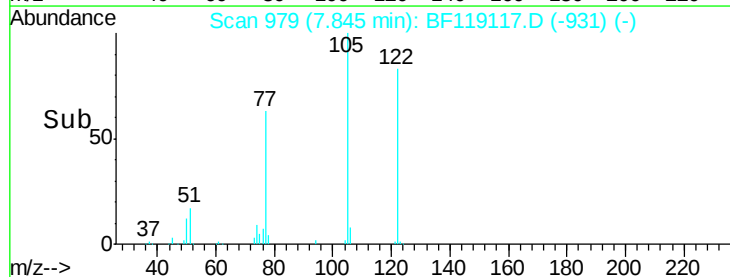
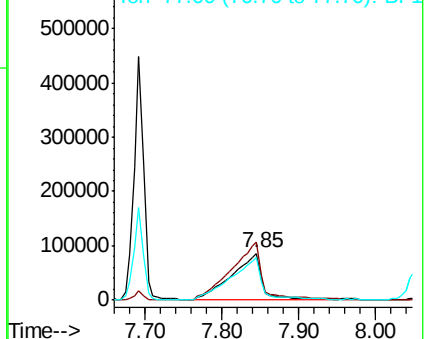
122 100

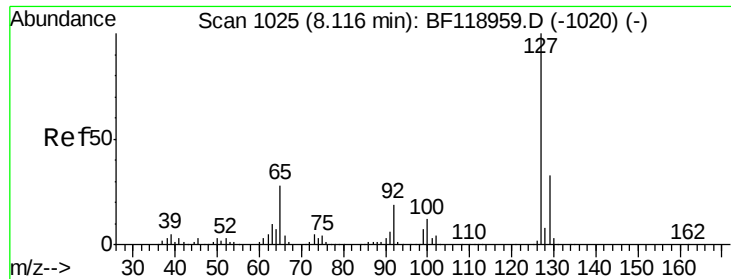
105 121.9 106.3 146.3

77 91.8 73.1 113.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





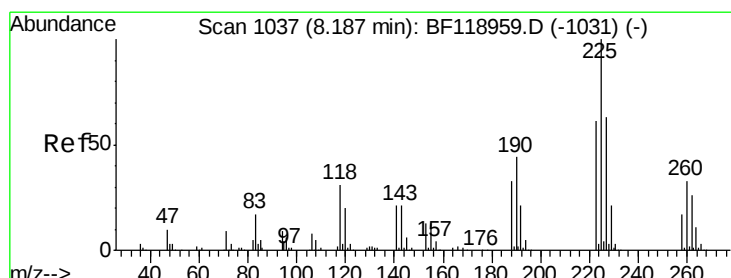
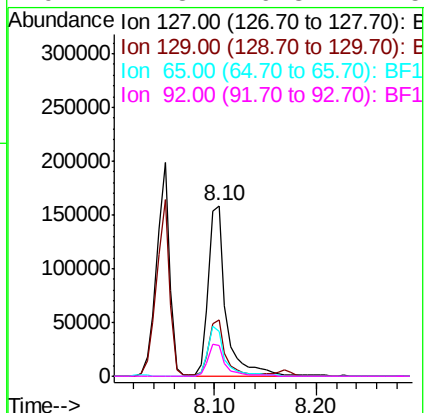
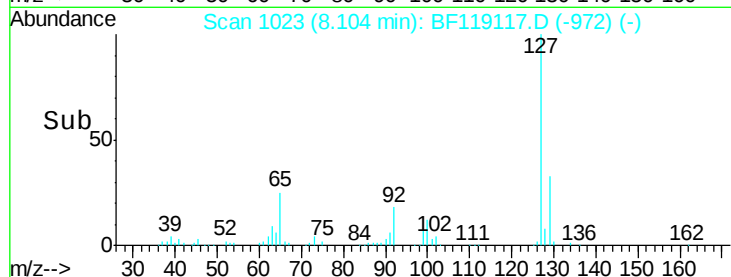
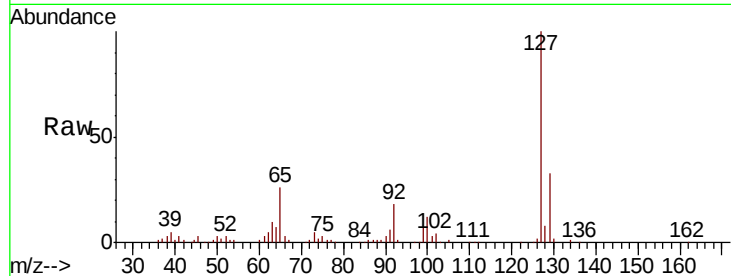
#33
4-Chloroaniline
Concen: 16.347 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.2	25.9	38.9		
65	26.1	23.9	35.9		
92	17.8	16.3	24.5		

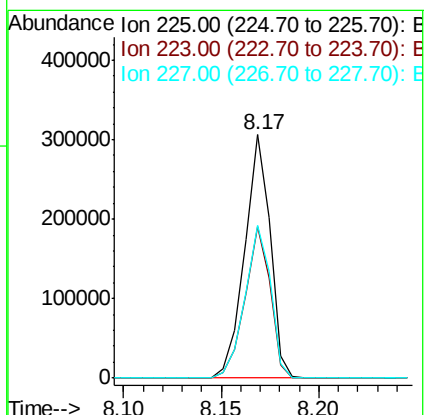
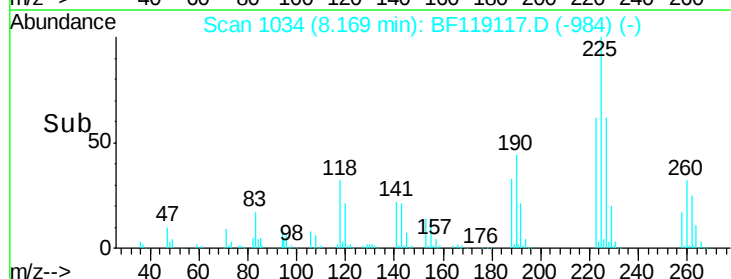
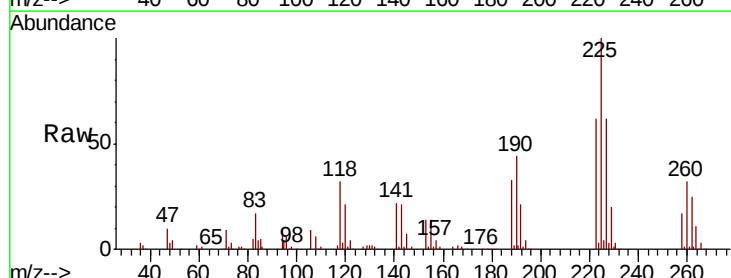
Manual Integrations
APPROVED

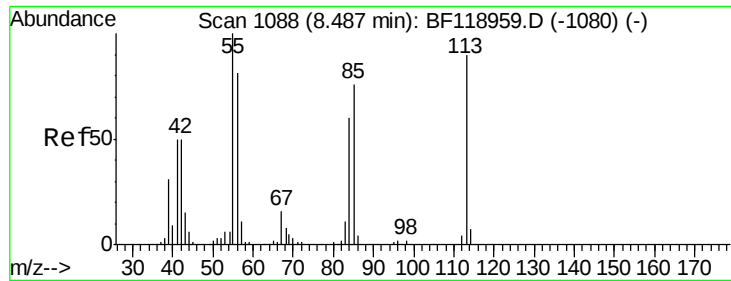
mohammad
2/28/2020 2:41:42 PM



#34
Hexachlorobutadiene
Concen: 45.031 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.2	49.4	74.2		
227	62.5	52.9	79.3		





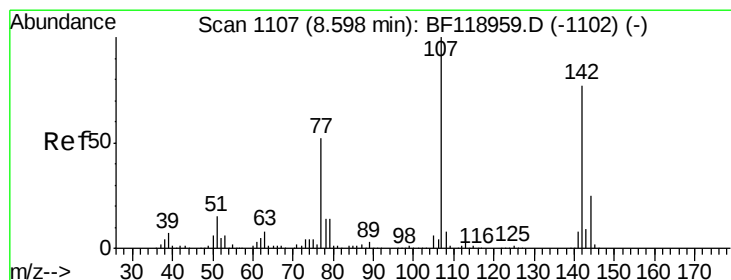
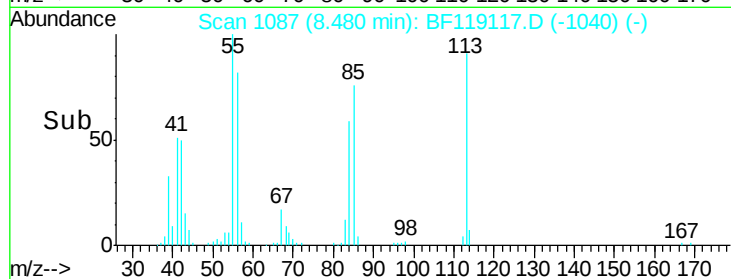
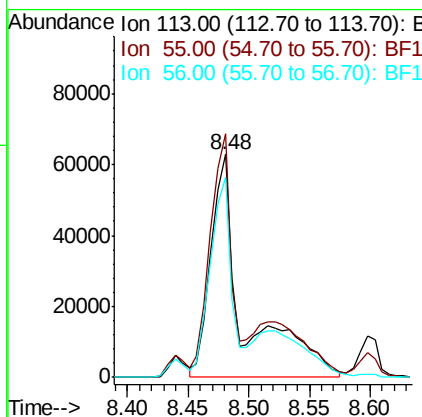
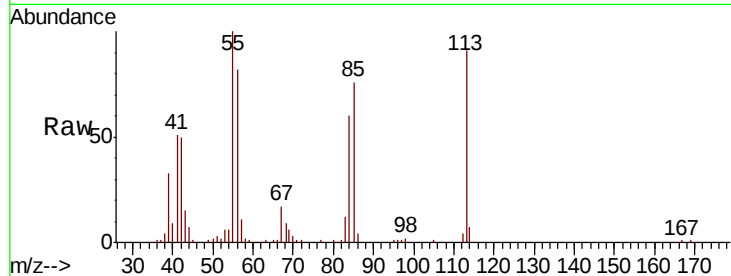
#35
Caprolactam
Concen: 46.486 ng/ml
RT: 8.48 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	109.4	95.7	135.7
56	89.9	73.1	113.1

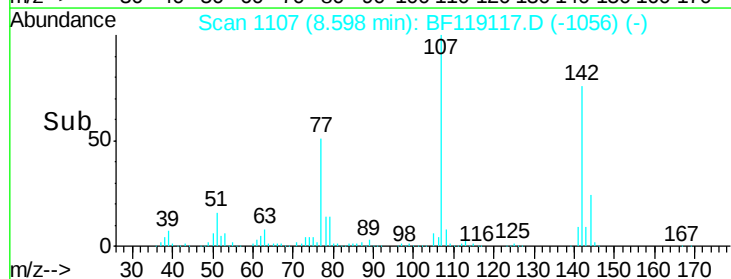
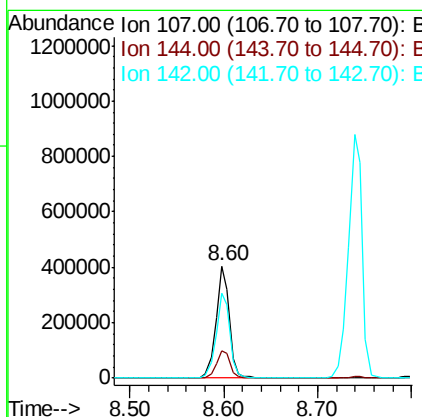
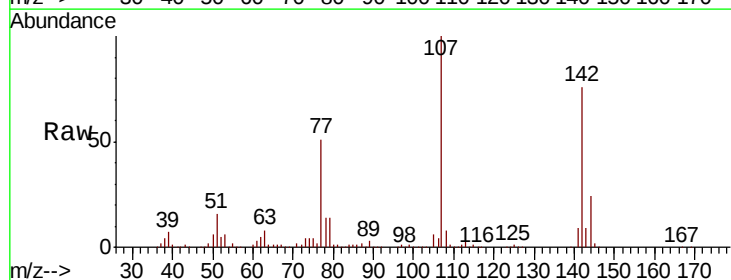
Manual Integrations
APPROVED

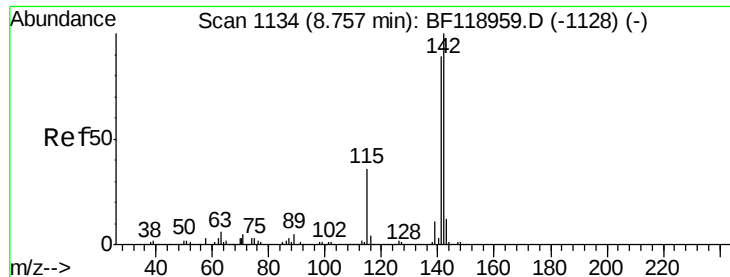
mohammad
2/28/2020 2:41:42 PM



#36
4-Chloro-3-methylphenol
Concen: 48.255 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.4	20.1	30.1
142	75.8	61.4	92.2





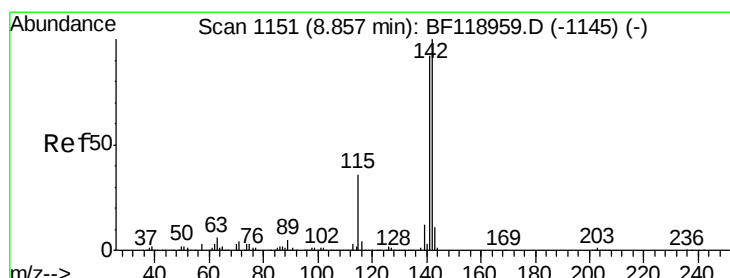
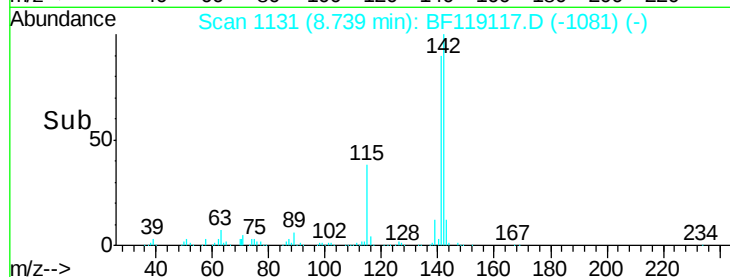
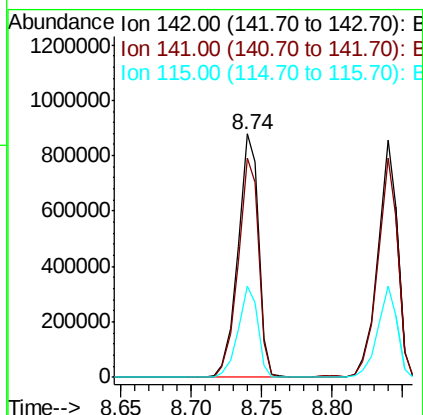
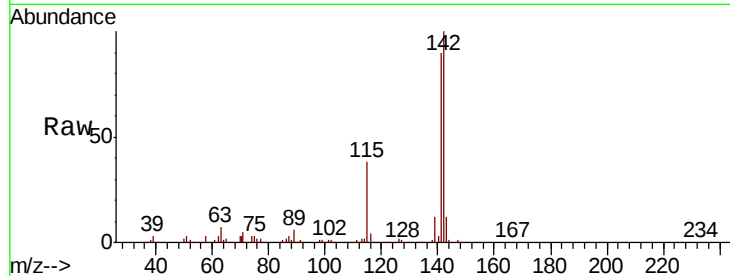
#37
2-Methylnaphthalene
Concen: 48.261 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.3	108.5
115	37.5	30.6	45.8

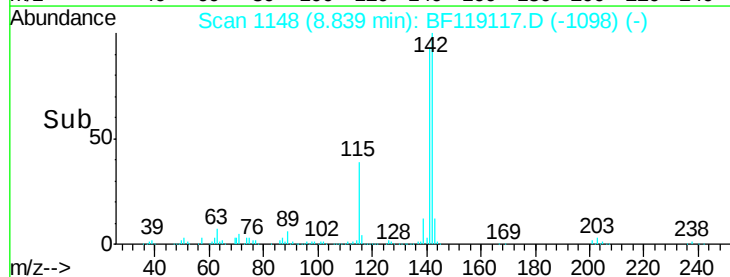
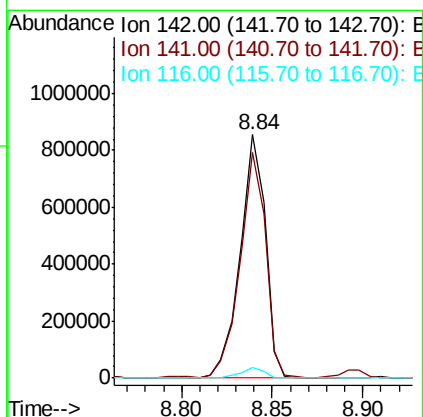
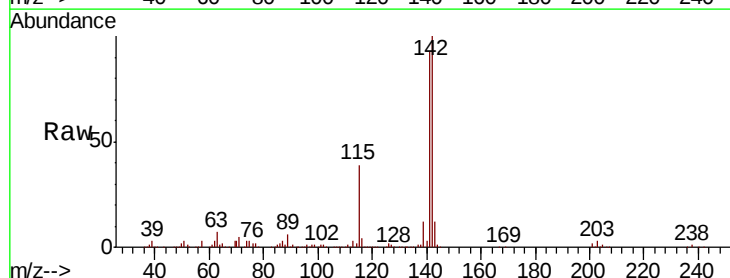
Manual Integrations
APPROVED

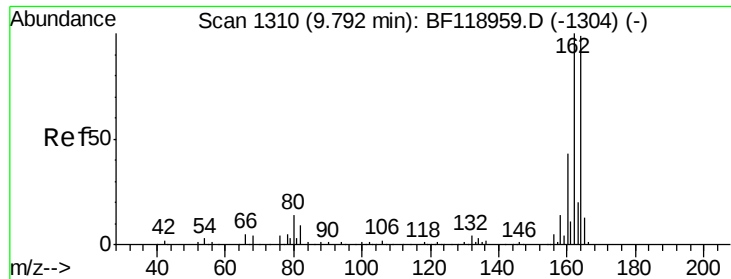
mohammad
2/28/2020 2:41:42 PM



#38
1-Methylnaphthalene
Concen: 47.840 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	75.8	113.6
116	4.2	3.1	4.7





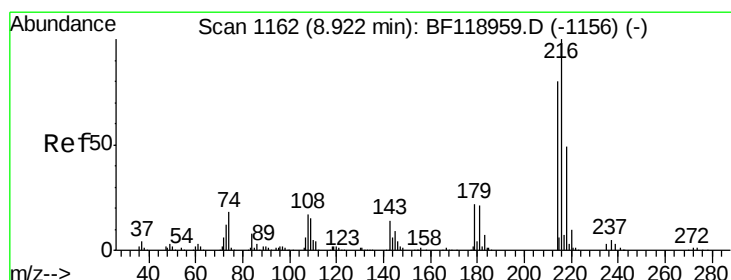
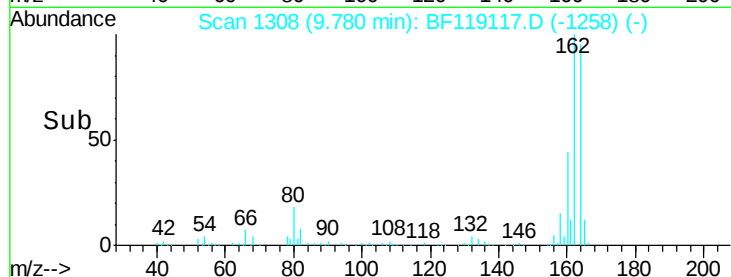
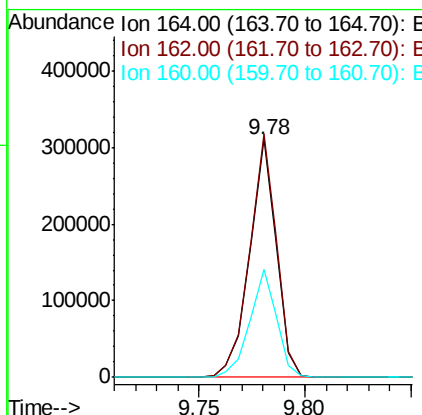
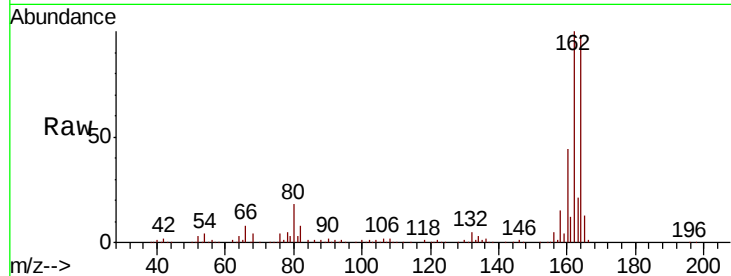
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.8
160	45.3	36.0	54.0

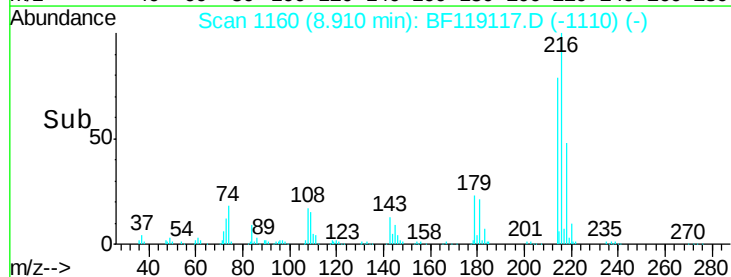
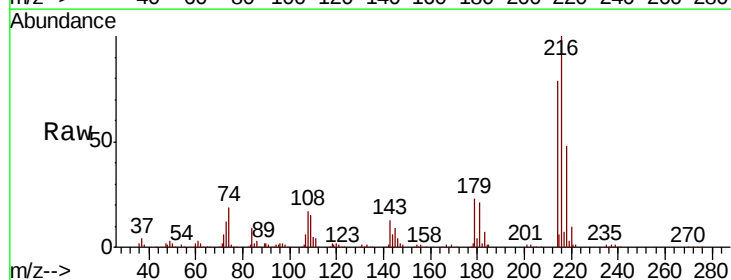
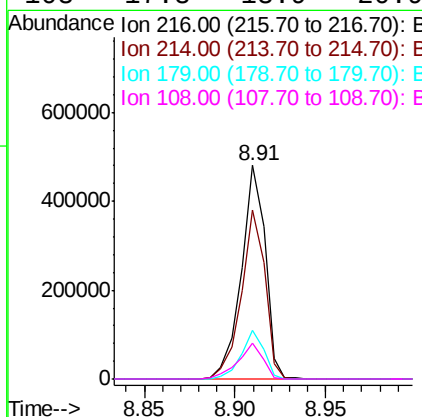
Manual Integrations
 APPROVED

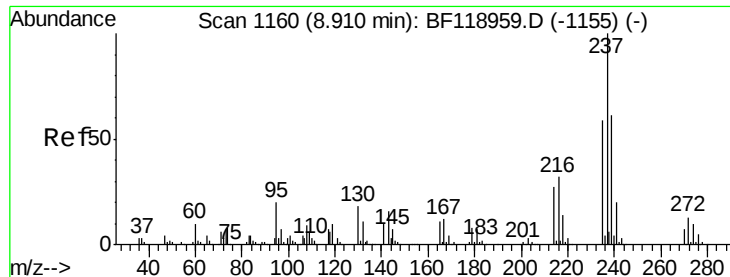
mohammad
 2/28/2020 2:41:42 PM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.955 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.3	94.9
179	21.6	17.7	26.5
108	17.8	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 71.951 ng

RT: 8.90 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

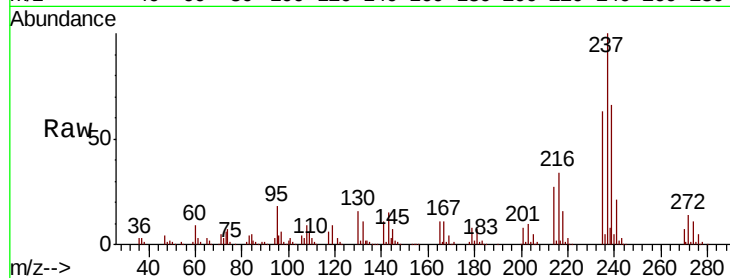
ClientSampleId :

GP-02-022420MSD

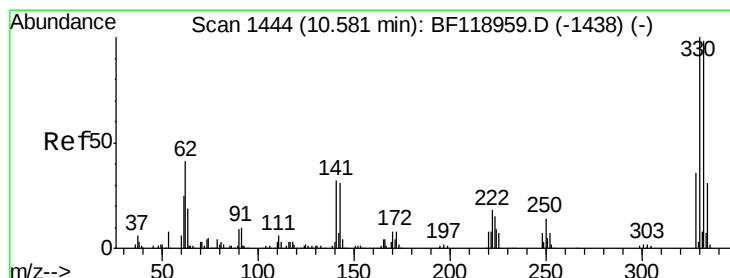
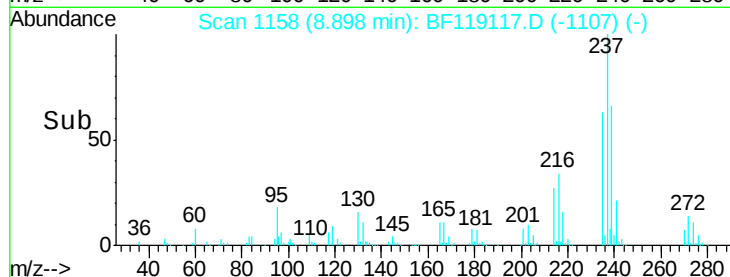
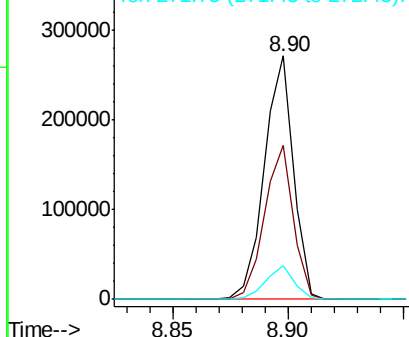
Tot Ion:	237	Resp:	238088
Ion Ratio	Lower	Upper	
237	100		
235	63.0	42.3	82.3
272	13.7	0.0	33.5

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



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



#42

2,4,6-Tribromophenol

Concen: 74.136 ng

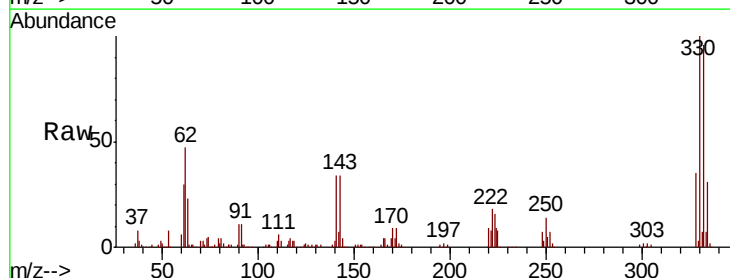
RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

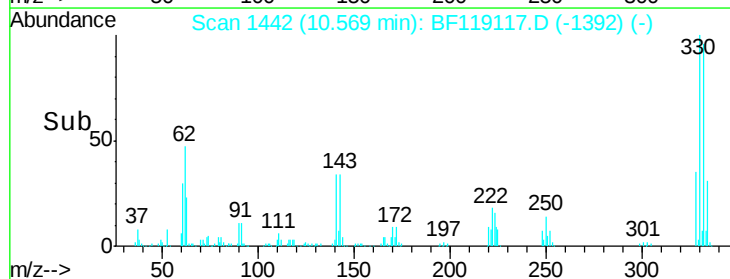
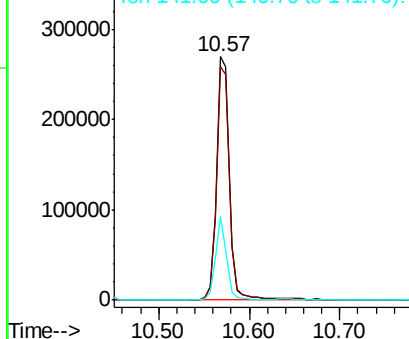
Lab File: BF119117.D

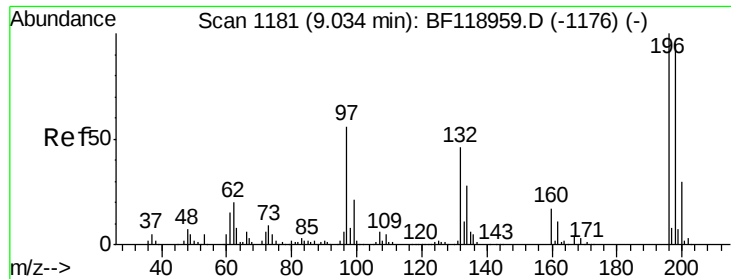
Acq: 27 Feb 2020 18:41

Tgt Ion:	330	Resp:	265443
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.0	114.0
141	29.7	22.9	34.3



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





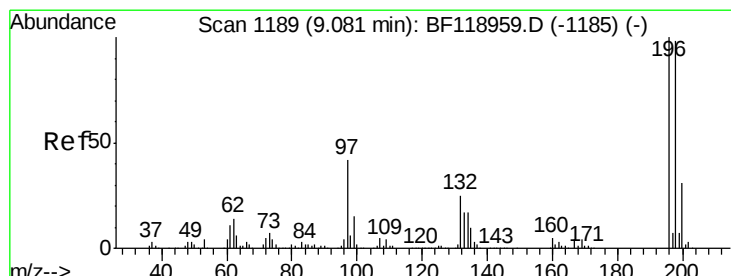
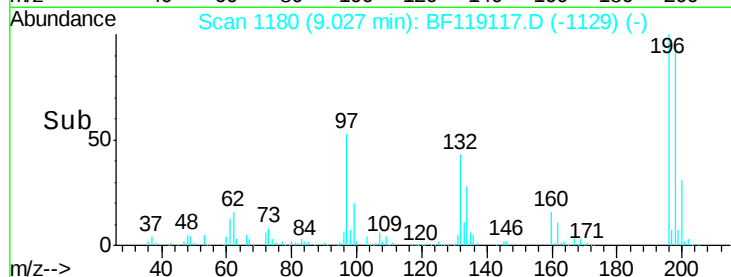
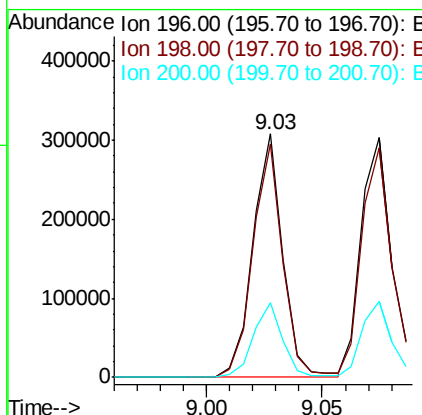
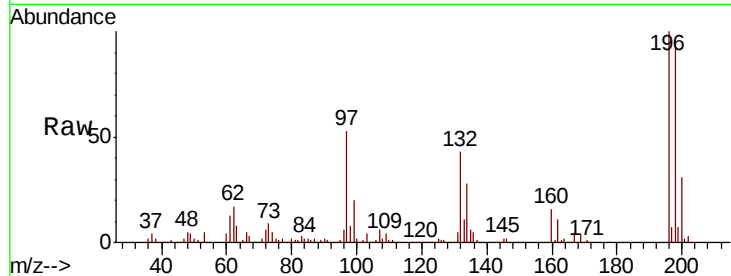
#43
2,4,6-Trichlorophenol
Concen: 47.682 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	277864		
198	95.7	77.1	115.7	
200	30.9	25.0	37.6	

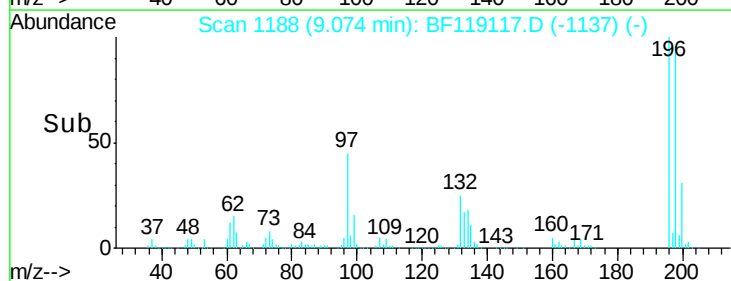
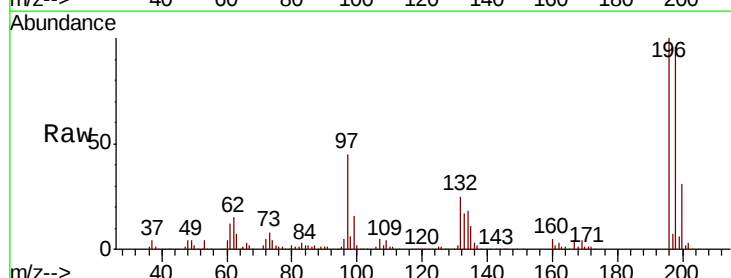
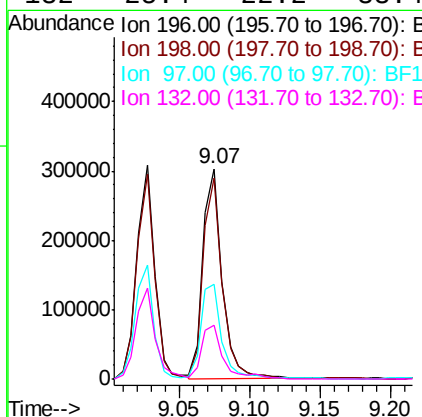
Manual Integrations
APPROVED

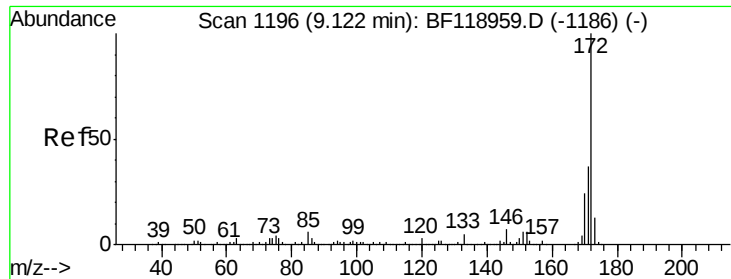
mohammad
2/28/2020 2:41:42 PM



#44
2,4,5-Trichlorophenol
Concen: 47.343 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	289509		
198	95.6	76.8	115.2	
97	45.0	38.5	57.7	
132	25.4	22.2	33.4	





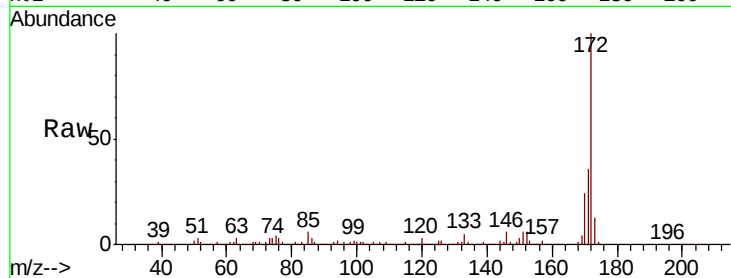
#45
 2-Fluorobiphenyl
 Concen: 57.309 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.6	45.8
170	23.6	20.2	30.2

Manual Integrations
 APPROVED

mohammad
 2/28/2020 2:41:42 PM

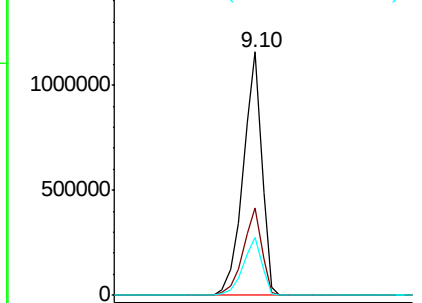


Abundance

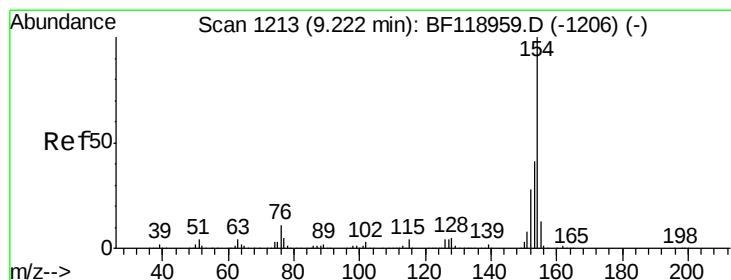
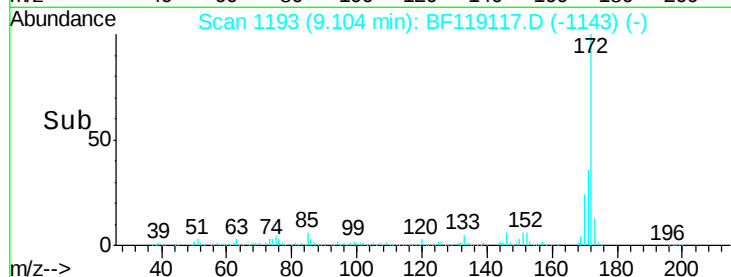
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

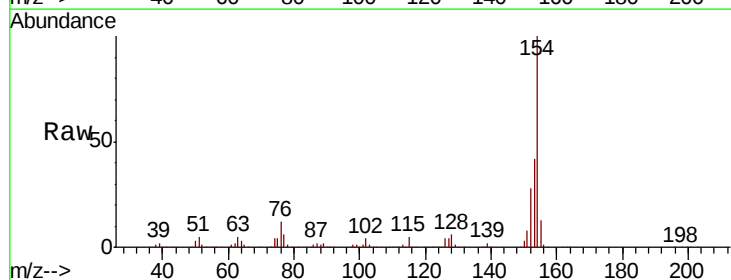


Time-->



#46
 1,1'-Biphenyl
 Concen: 47.905 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	22.8	62.8
76	12.0	0.0	32.2

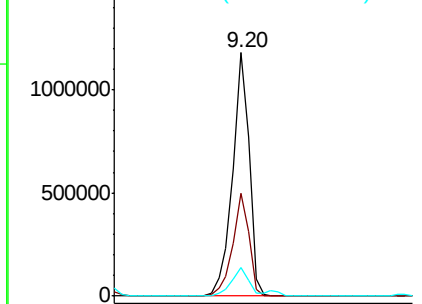


Abundance

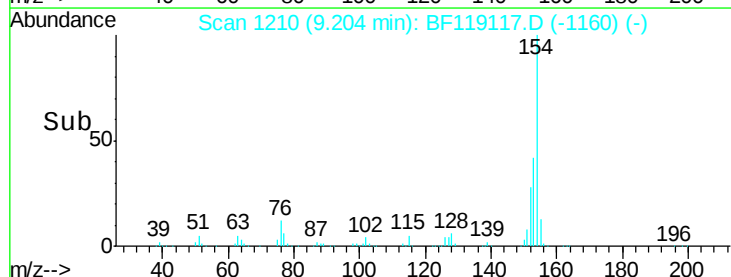
Ion 154.00 (153.70 to 154.70): E

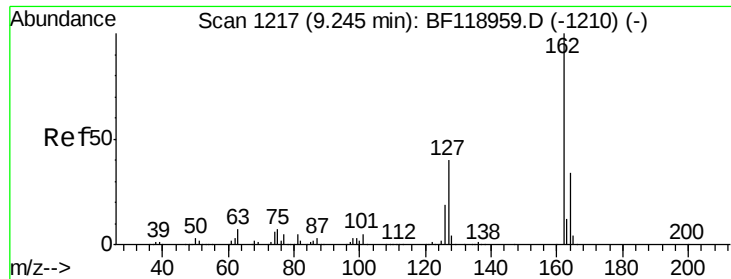
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



Time-->





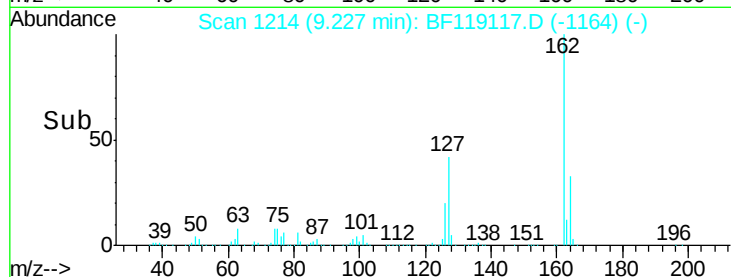
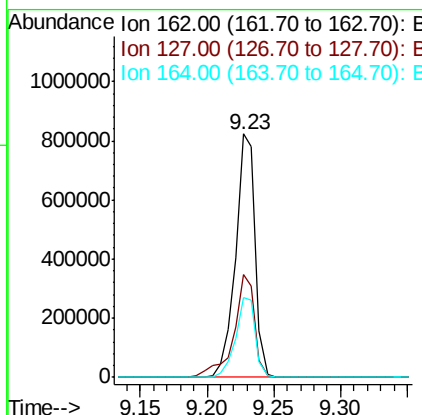
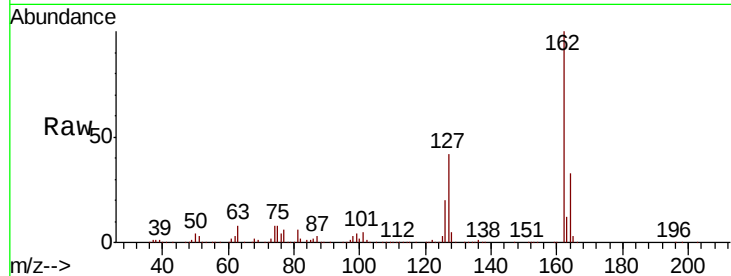
#47
 2-Chloronaphthalene
 Concen: 47.505 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	846819		
127	42.3	35.0	52.4	
164	32.9	27.2	40.8	

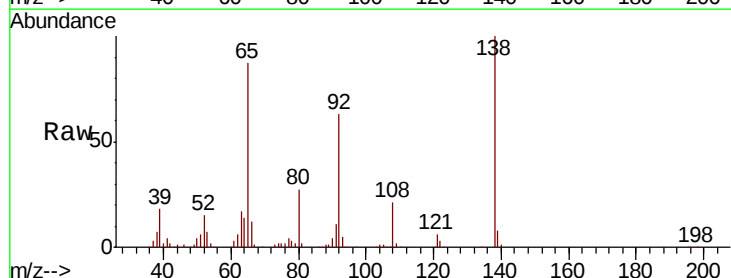
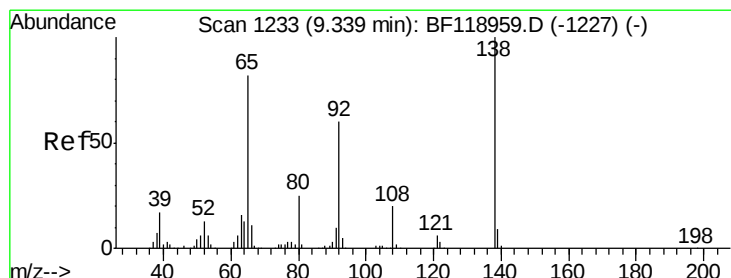
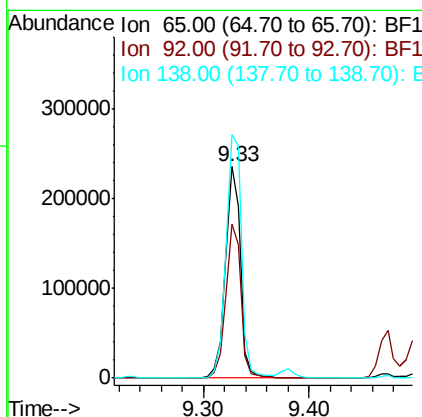
Manual Integrations
 APPROVED

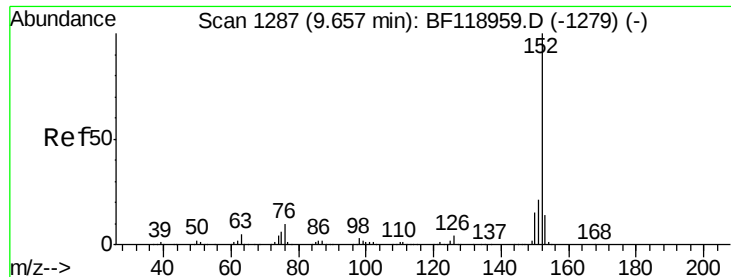
mohammad
 2/28/2020 2:41:42 PM



#48
 2-Nitroaniline
 Concen: 47.075 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	234055		
92	72.7	58.2	87.2	
138	115.2	95.6	143.4	





#49

Acenaphthylene

Concen: 49.683 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

ClientSampleId :

GP-02-022420MSD

Tot Ion:152 Resp: 1279138

Ion Ratio Lower Upper

152 100

151 20.7 16.9 25.3

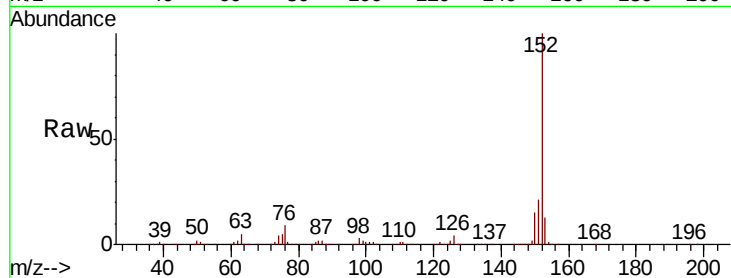
153 13.2 11.0 16.6

Manual Integrations

APPROVED

mohammad

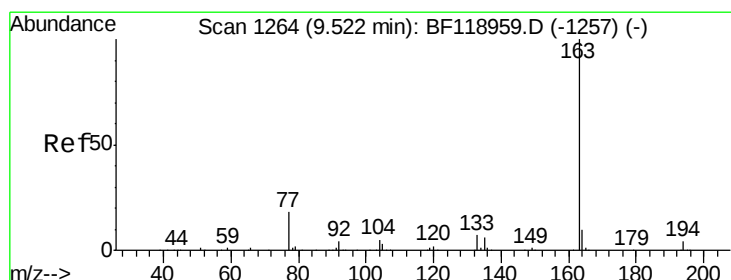
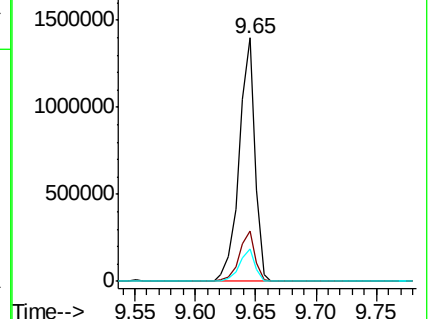
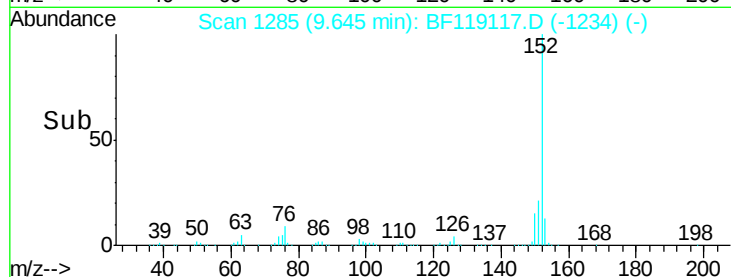
2/28/2020 2:41:42 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.972 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

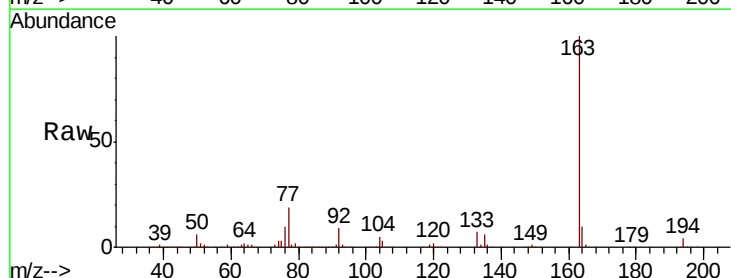
Tgt Ion:163 Resp: 1066827

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

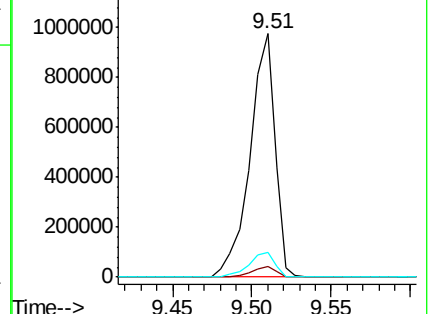
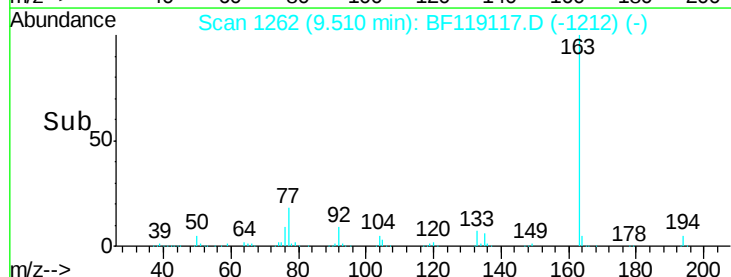
164 10.1 8.4 12.6

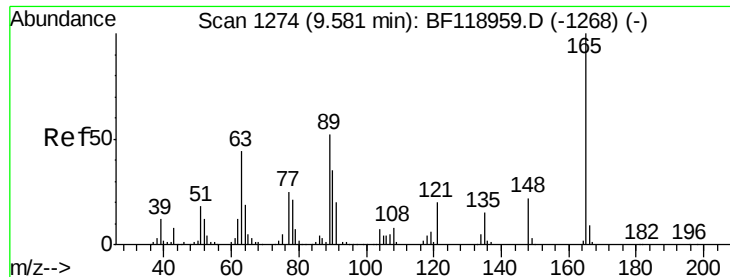


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





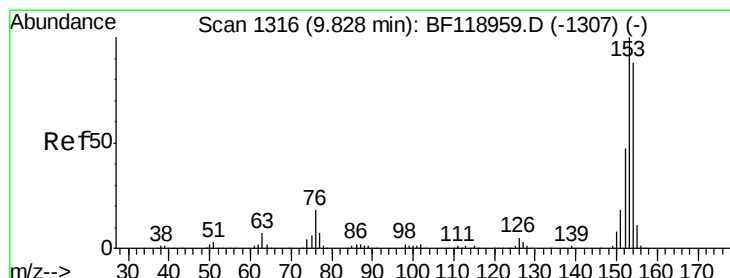
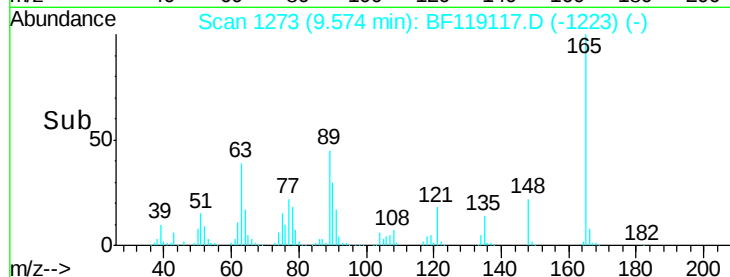
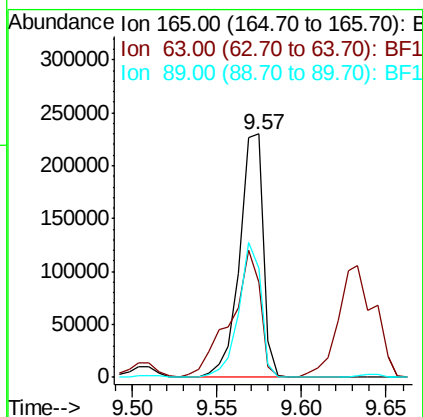
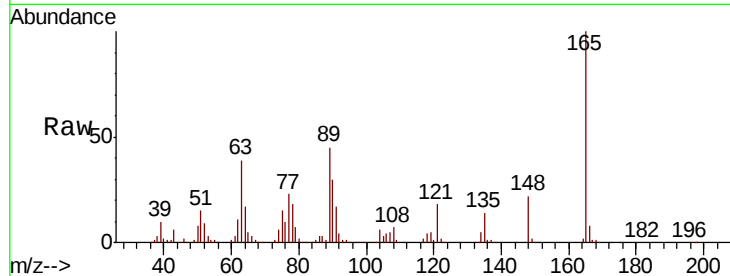
#51
 2,6-Dinitrotoluene
 Concen: 48.641 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion:	165	Resp:	226178
Ion Ratio		Lower	Upper
165	100		
63	39.2	34.3	51.5
89	44.9	38.3	57.5

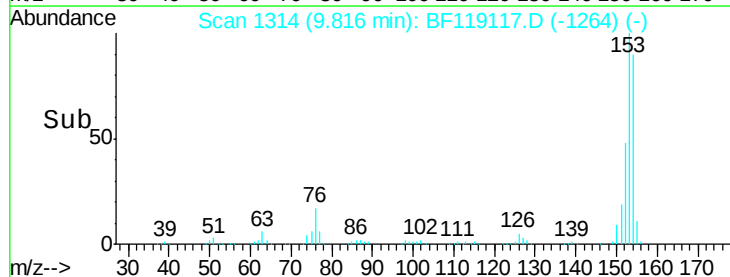
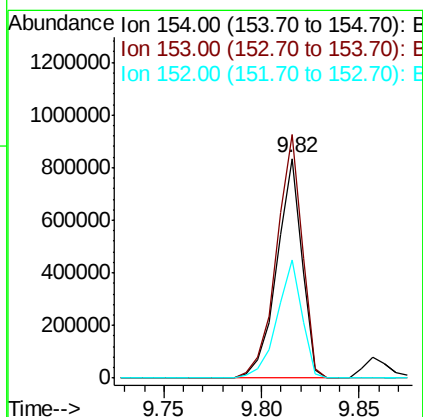
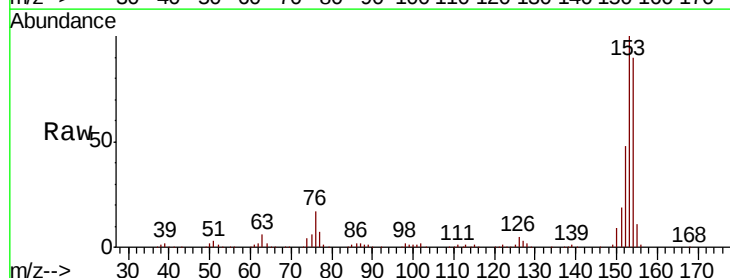
Manual Integrations
 APPROVED

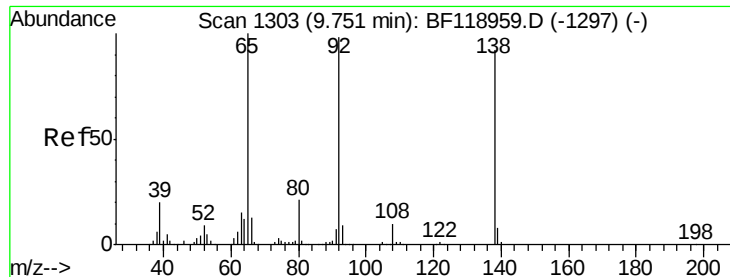
mohammad
 2/28/2020 2:41:42 PM



#52
 Acenaphthene
 Concen: 48.044 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion:	154	Resp:	745851
Ion Ratio		Lower	Upper
154	100		
153	110.8	90.3	135.5
152	53.6	43.8	65.8





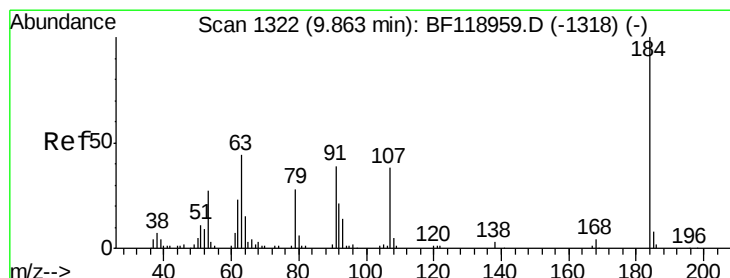
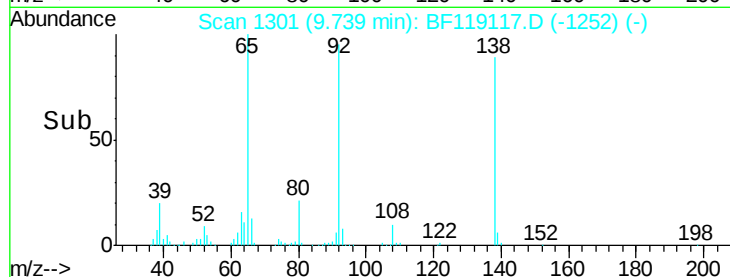
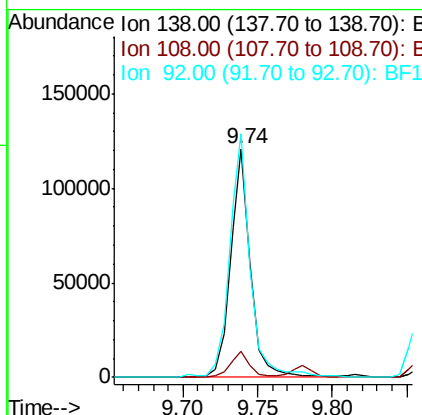
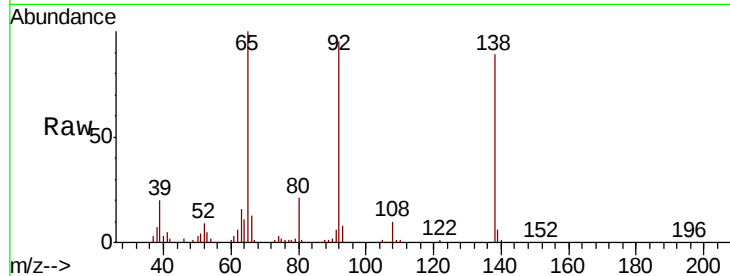
#53
3-Nitroaniline
Concen: 21.993 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.8	13.2
92	106.7	84.8	127.2

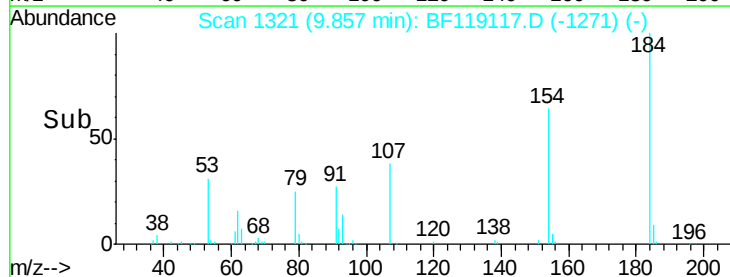
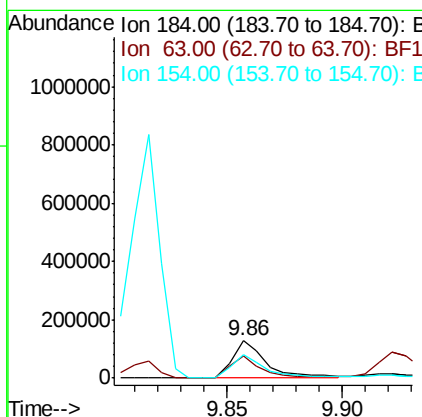
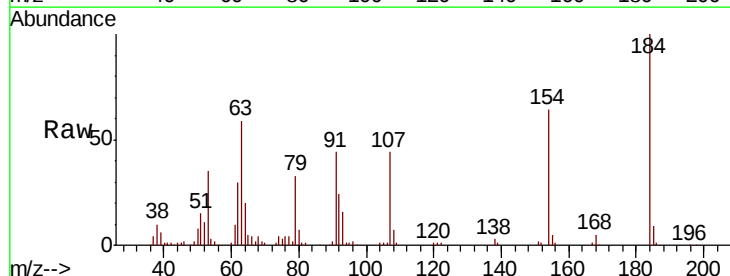
Manual Integrations
APPROVED

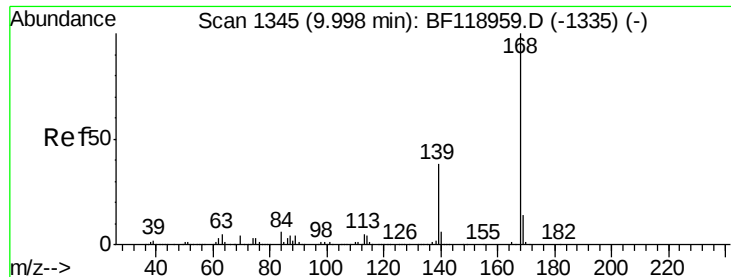
mohammad
2/28/2020 2:41:42 PM



#54
2,4-Dinitrophenol
Concen: 60.669 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.7	38.7	58.1#
154	63.5	49.7	74.5





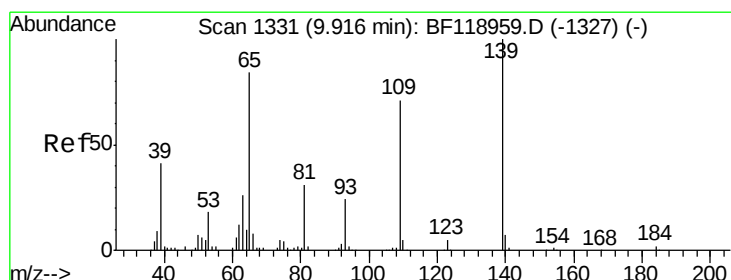
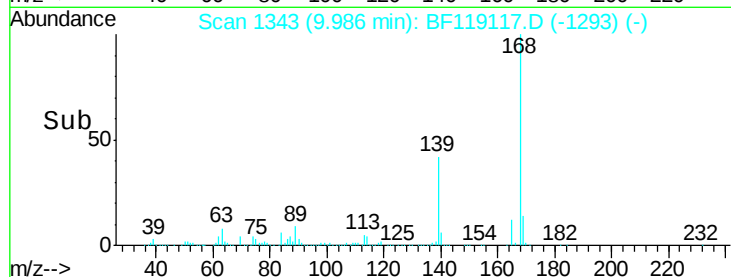
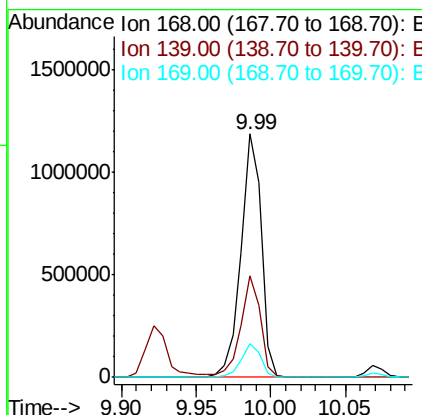
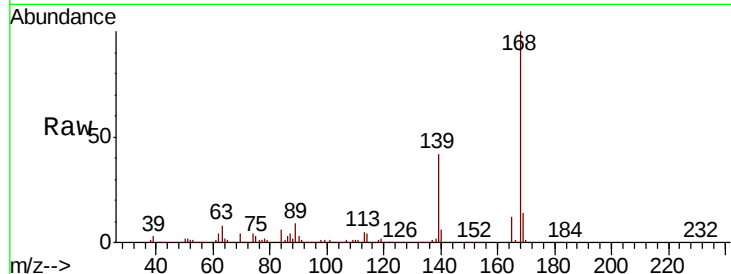
#55
Dibenzenofuran
Concen: 48.721 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.8	34.0	51.0
169	13.8	11.0	16.4

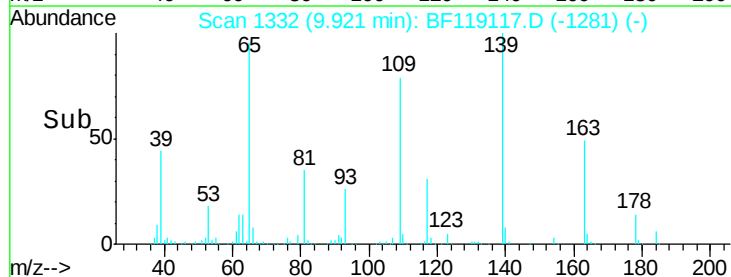
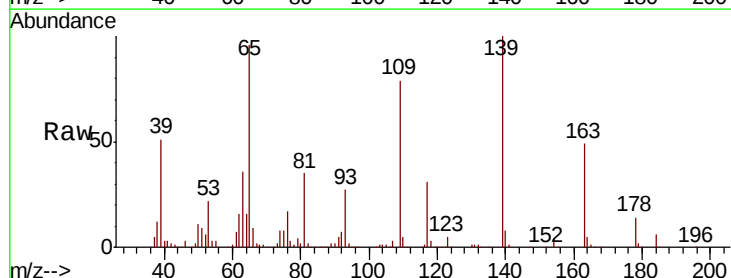
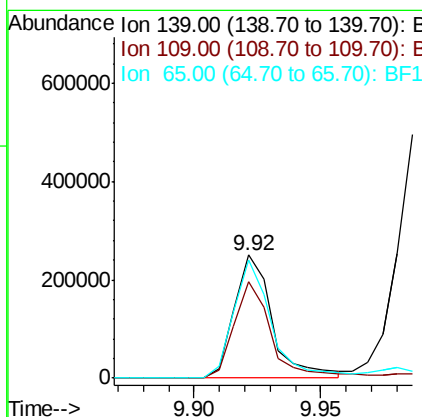
Manual Integrations
APPROVED

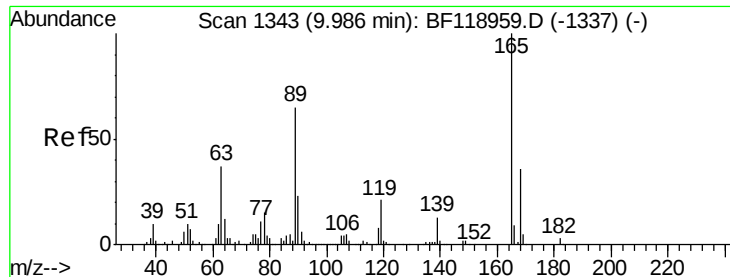
mohammad
2/28/2020 2:41:42 PM



#56
4-Nitrophenol
Concen: 84.290 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
139	100		
109	78.7	56.7	96.7
65	96.4	65.0	105.0





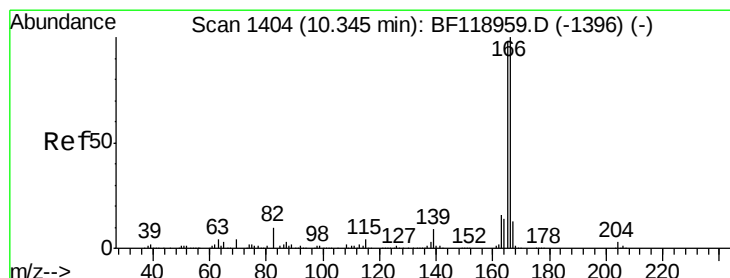
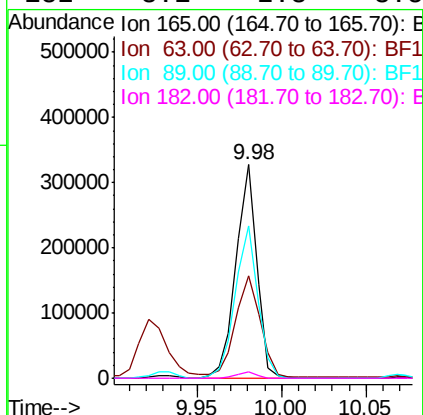
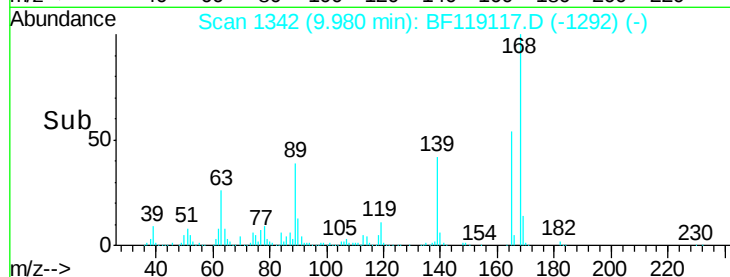
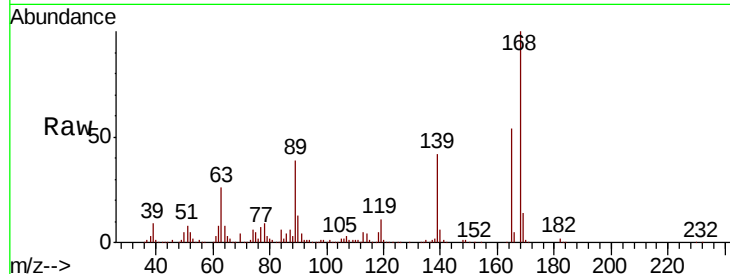
#57
 2,4-Dinitrotoluene
 Concen: 46.904 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	282696		
63	48.1		42.3	63.5
89	71.3		60.2	90.4
182	3.1		2.3	3.5

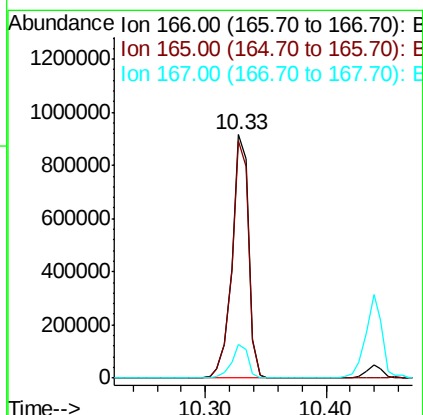
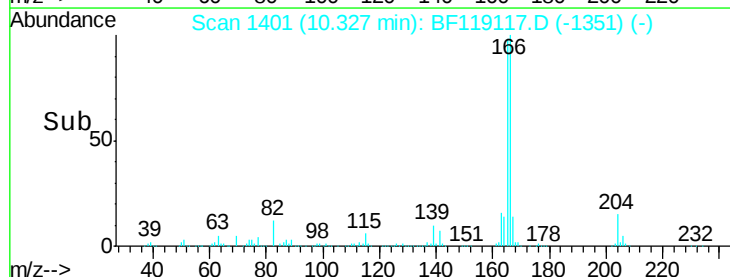
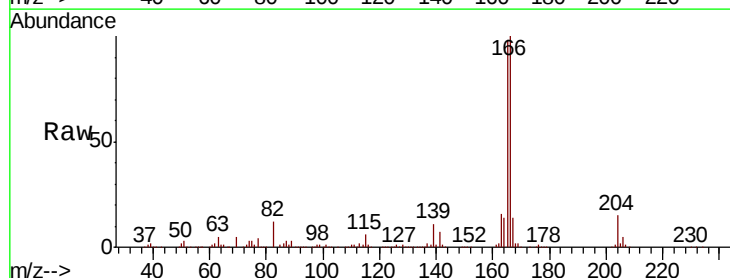
Manual Integrations
 APPROVED

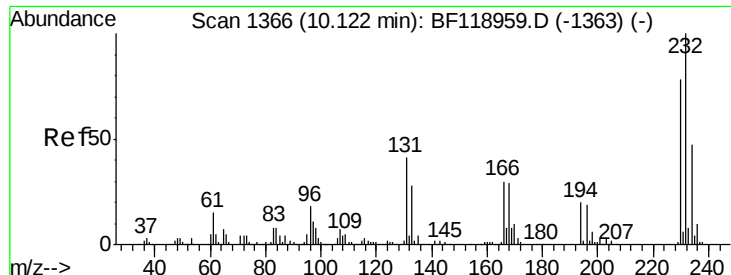
mohammad
 2/28/2020 2:41:42 PM



#58
 Fluorene
 Concen: 48.577 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	874658		
165	97.6		78.5	117.7
167	13.7		11.0	16.4





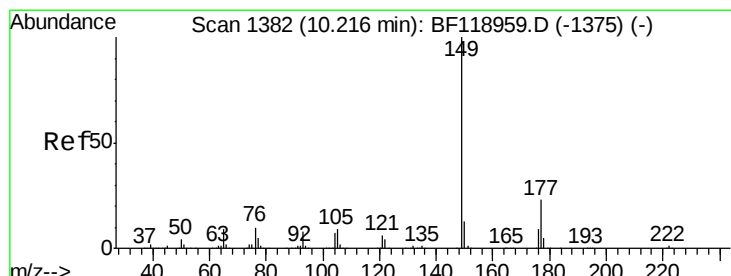
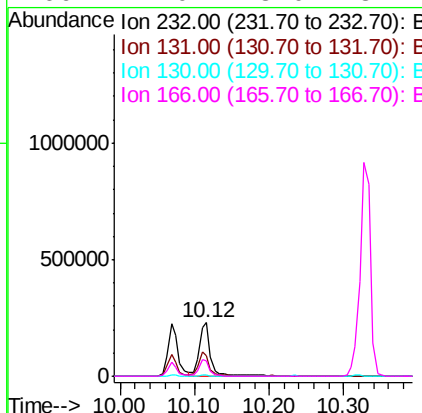
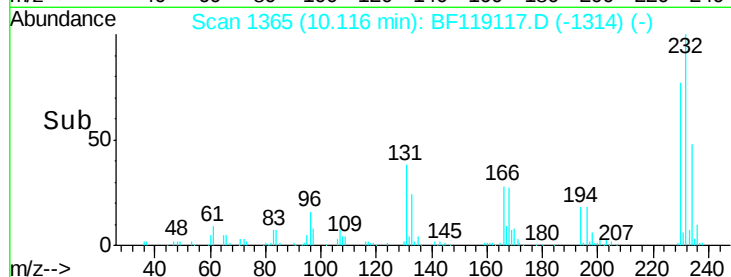
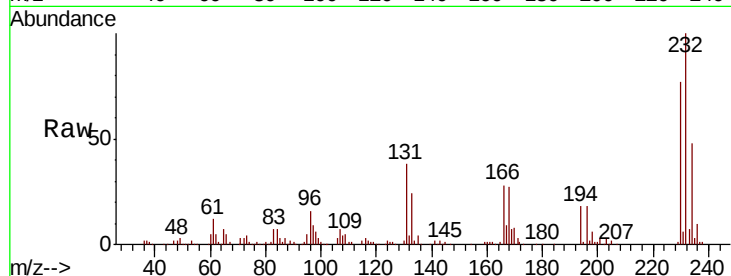
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.106 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		248224		
131	40.6	33.8	50.8		
130	2.0	1.8	2.6		
166	27.0	23.0	34.4		

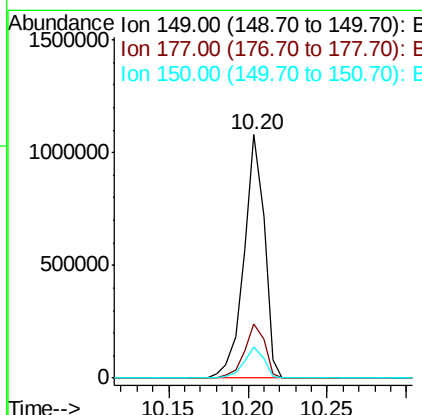
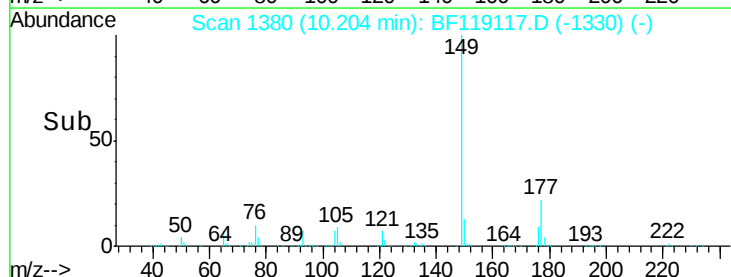
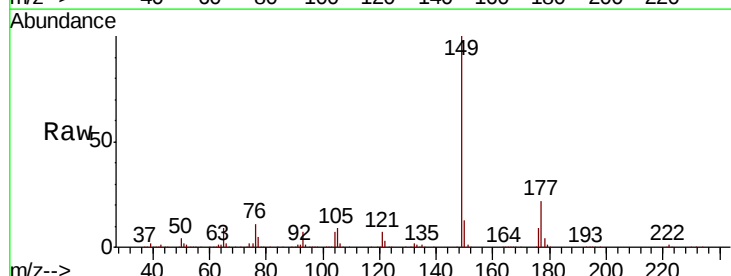
Manual Integrations
 APPROVED

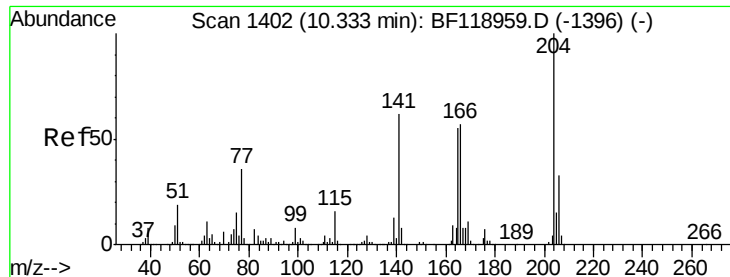
mohammad
 2/28/2020 2:41:42 PM



#60
 Diethylphthalate
 Concen: 48.671 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		959976		
177	22.4	18.2	27.2		
150	12.8	10.5	15.7		





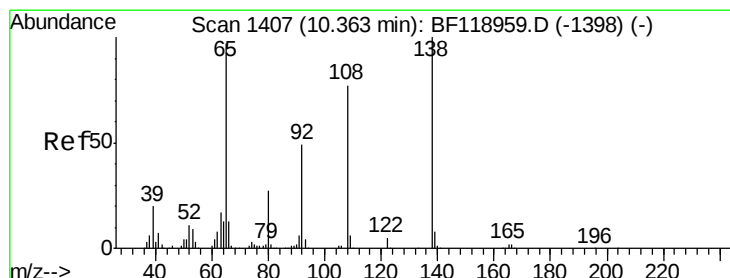
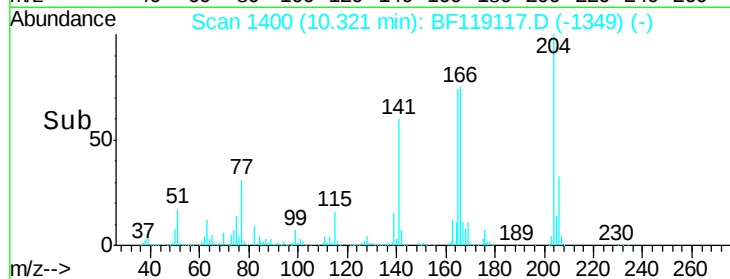
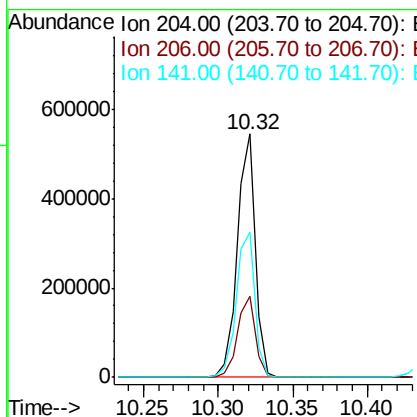
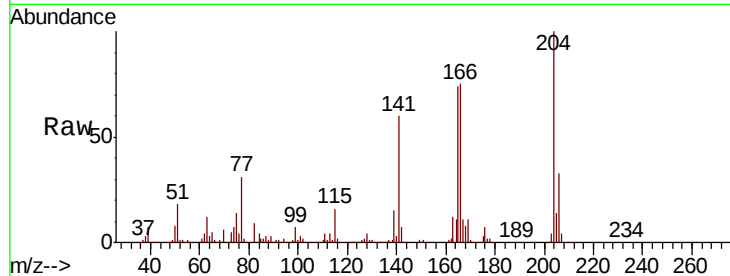
#61
 4-Chlorophenyl-phenylether
 Concen: 48.403 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion:	204	Resp:	461320
Ion Ratio		Lower	Upper
204	100		
206	33.2	27.1	40.7
141	59.8	52.9	79.3

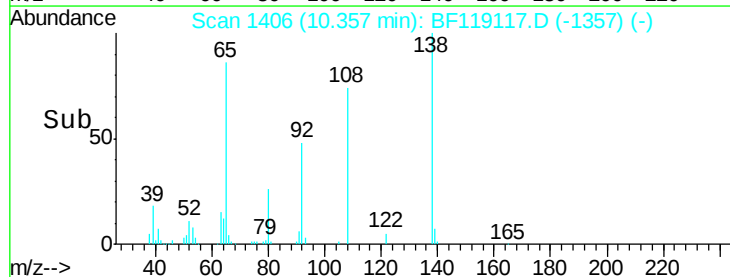
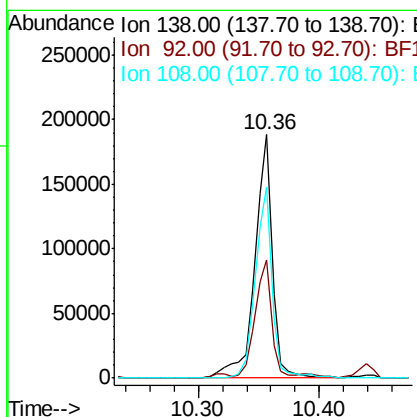
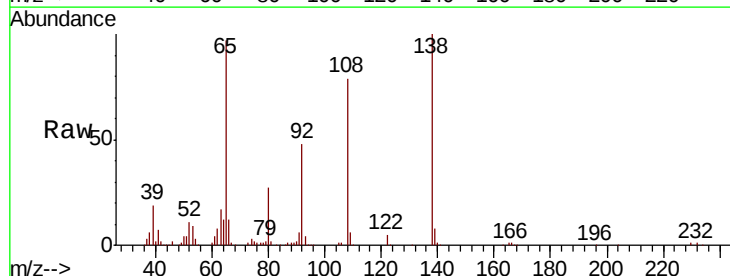
Manual Integrations
 APPROVED

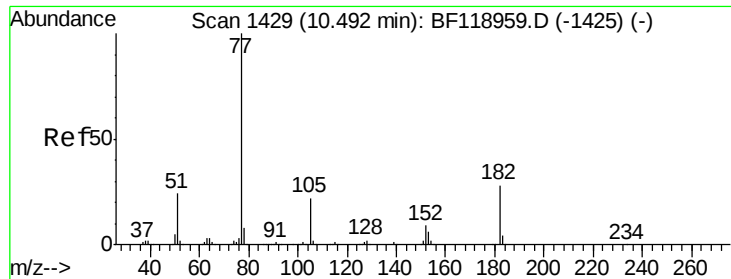
mohammad
 2/28/2020 2:41:42 PM



#62
 4-Nitroaniline
 Concen: 36.679 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion:	138	Resp:	193452
Ion Ratio		Lower	Upper
138	100		
92	48.3	27.3	67.3
108	78.7	57.0	97.0





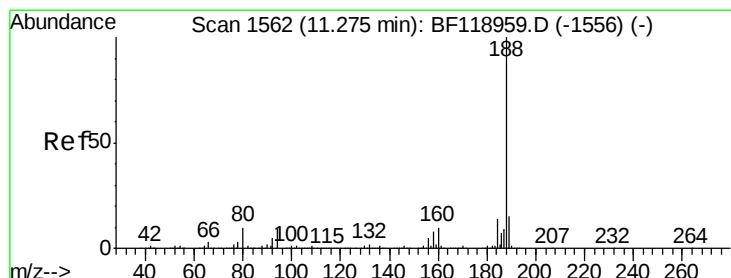
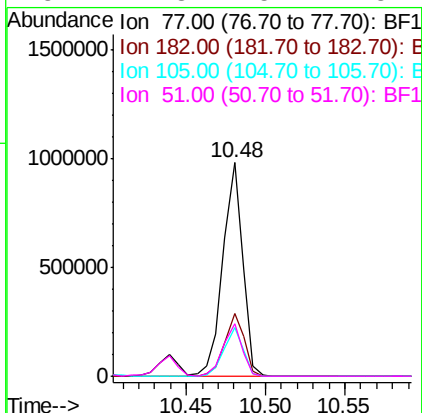
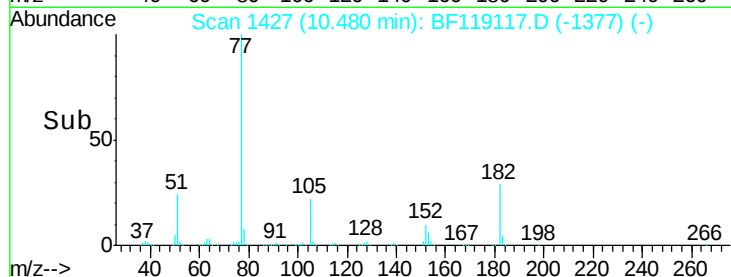
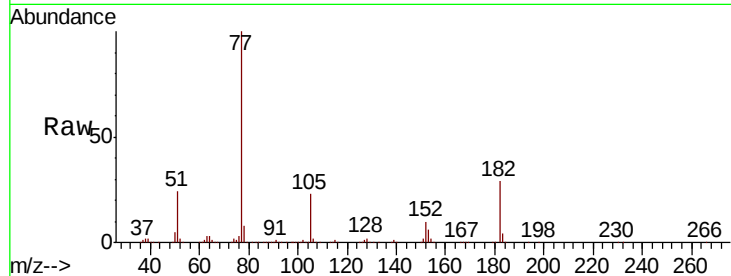
#63
Azobenzene
Concen: 49.435 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	29.1	11.4	51.4
105	22.9	3.4	43.4
51	24.3	5.1	45.1

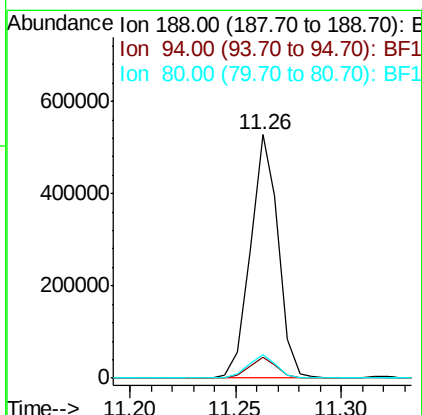
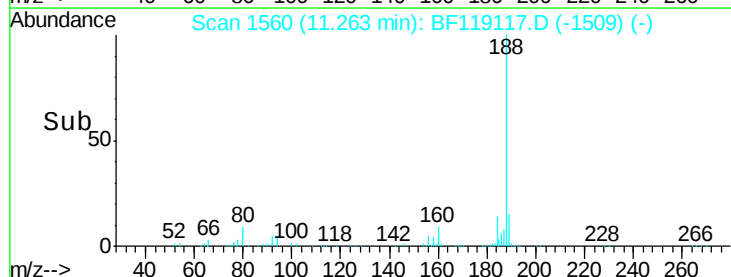
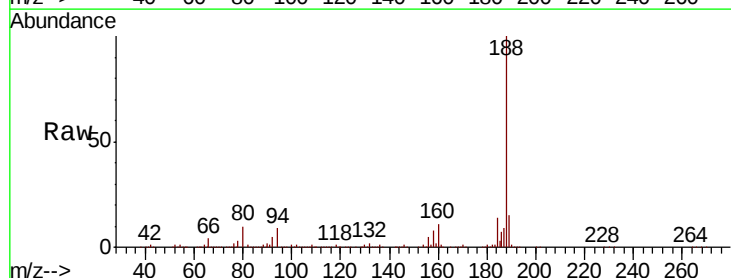
Manual Integrations
APPROVED

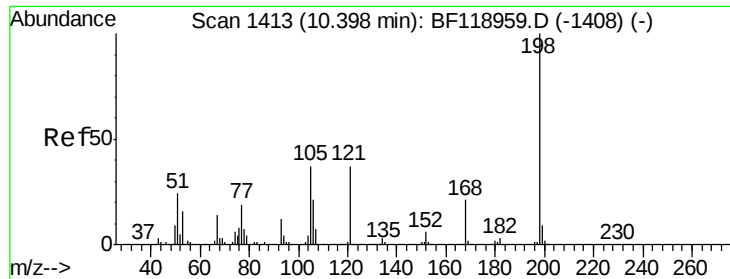
mohammad
2/28/2020 2:41:42 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.1	10.7
80	9.9	7.8	11.8





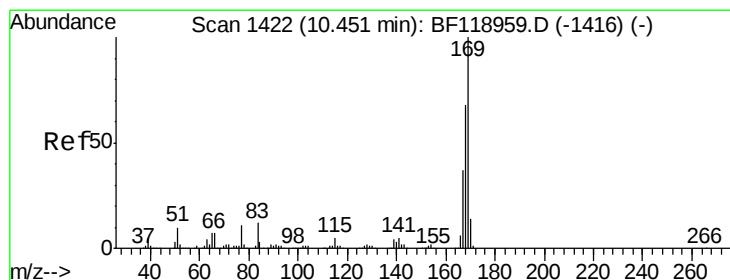
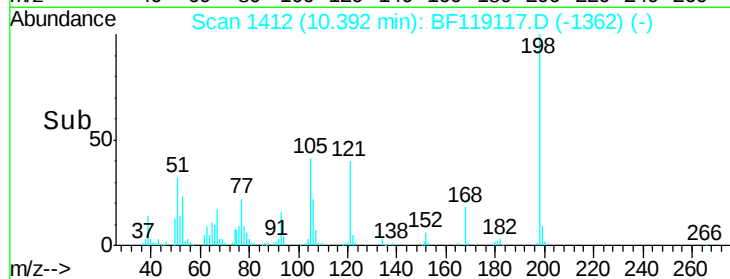
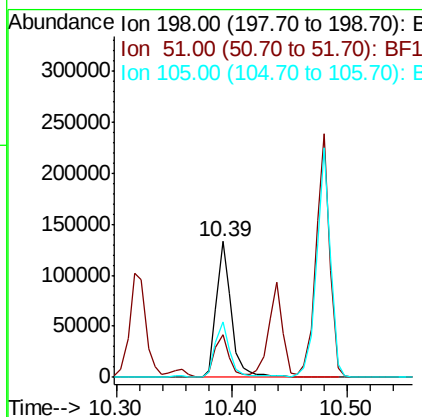
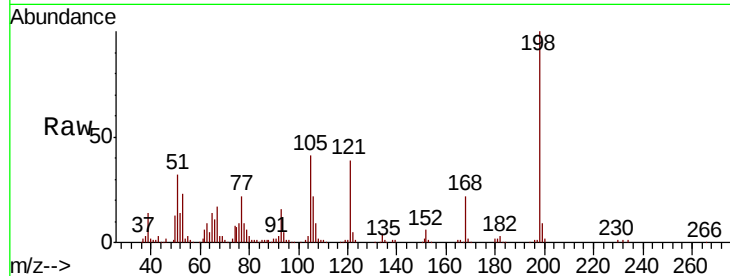
#65
4,6-Dinitro-2-methylphenol
Concen: 42.018 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	31.8	14.2	54.2
105	40.8	22.7	62.7

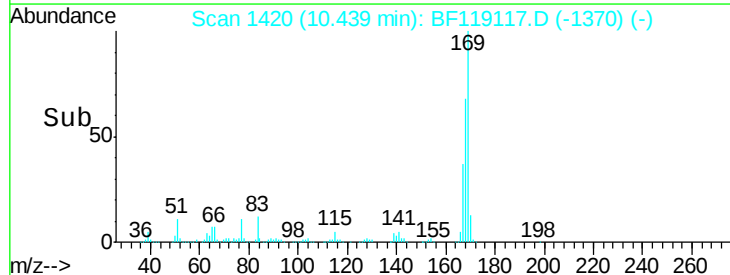
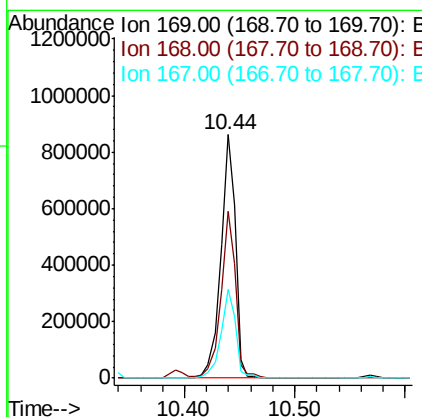
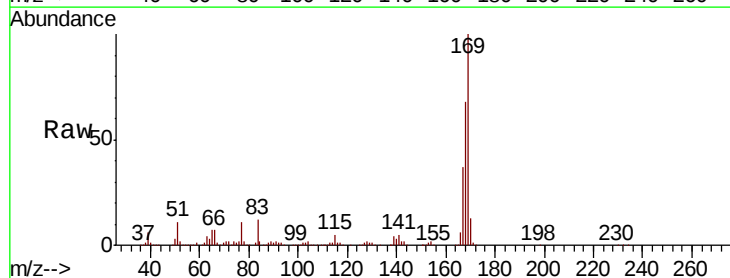
Manual Integrations
APPROVED

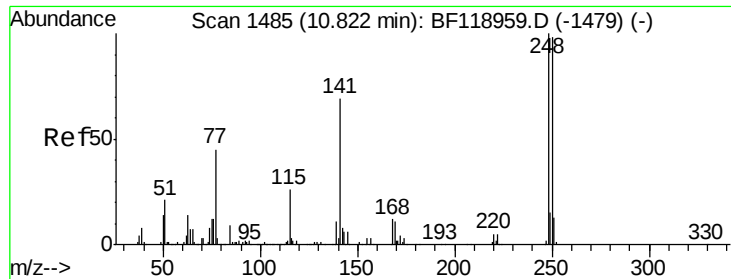
mohammad
2/28/2020 2:41:42 PM



#66
n-Nitrosodiphenylamine
Concen: 50.484 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.4	54.1	81.1
167	36.6	29.4	44.0





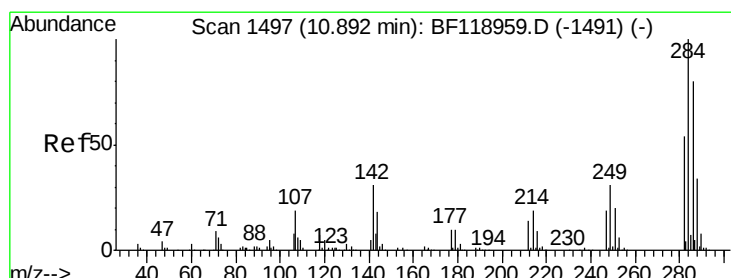
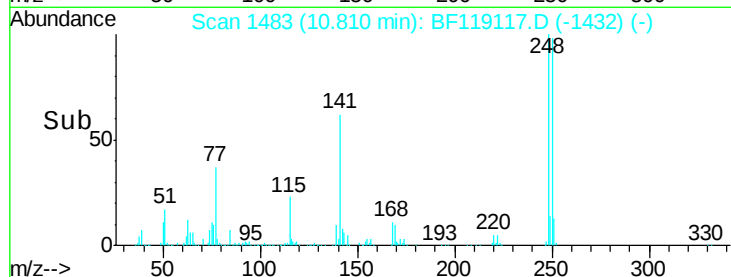
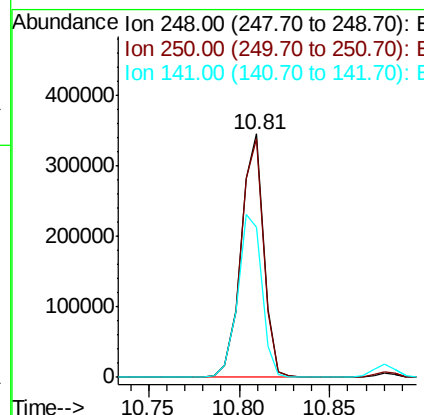
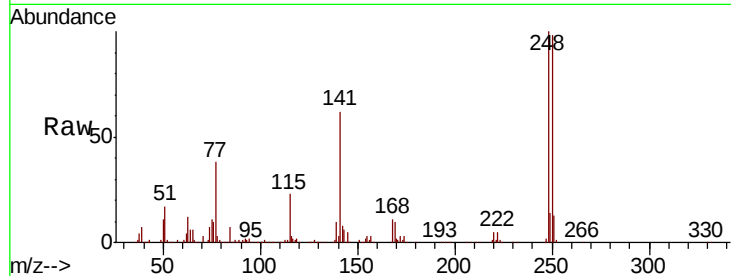
#67
4-Bromophenyl-phenylether
Concen: 48.010 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.7	115.1
141	61.8	60.7	91.1

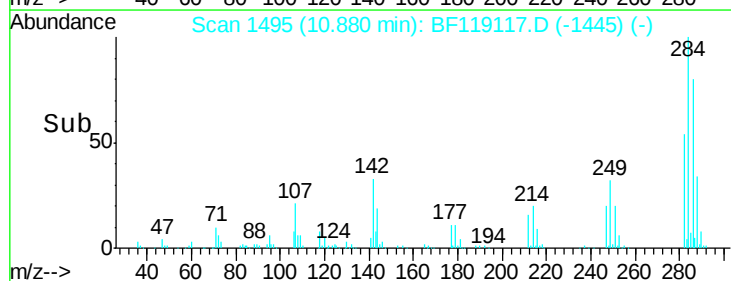
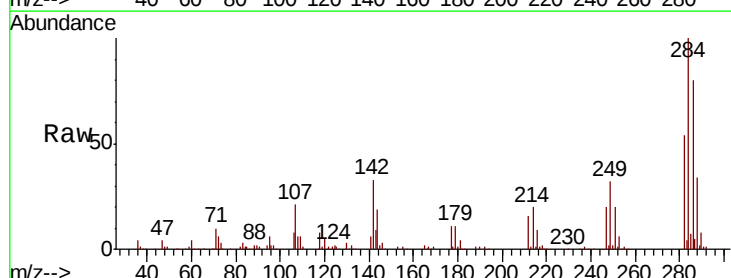
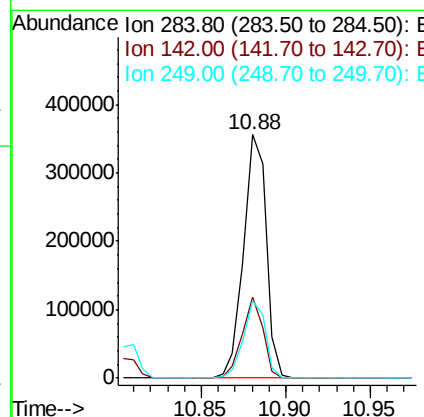
Manual Integrations
APPROVED

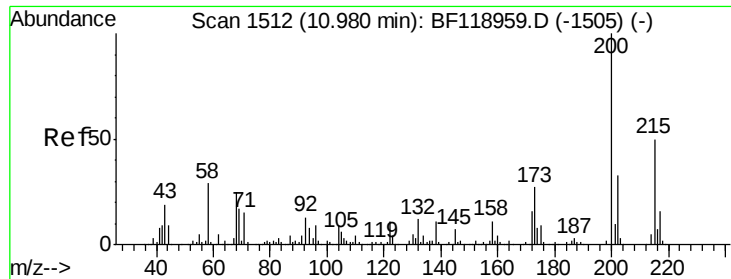
mohammad
2/28/2020 2:41:42 PM



#68
Hexachlorobenzene
Concen: 46.048 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.2	23.7	35.5
249	31.6	25.0	37.6





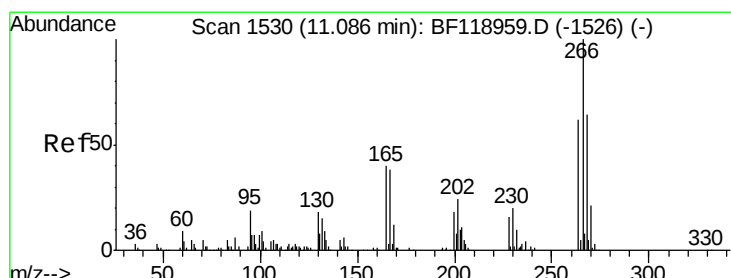
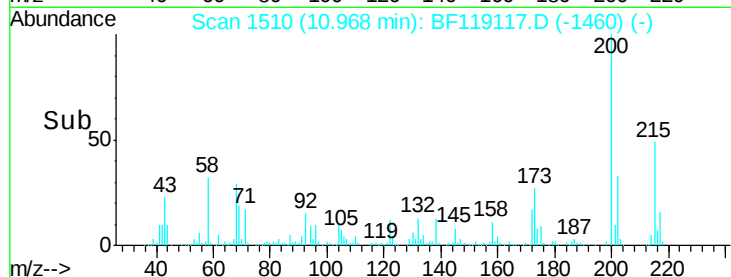
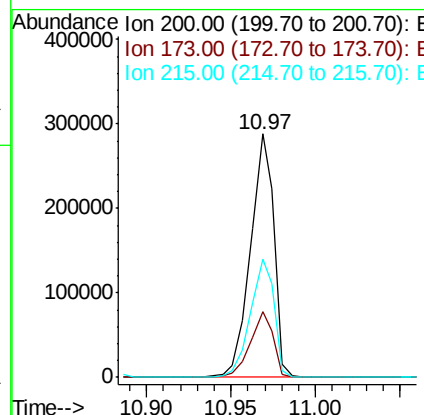
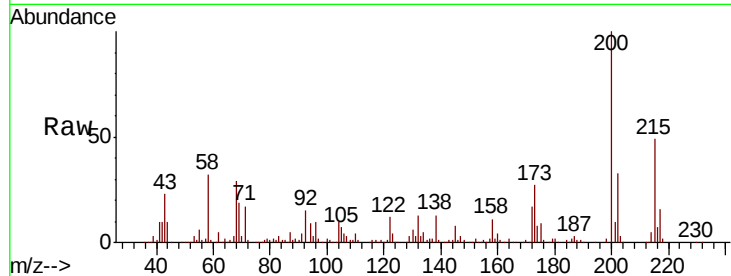
#69
Atrazine
Concen: 50.979 ng
RT: 10.97 min Scan# 1510
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	280269		
173	26.9		6.4	46.4
215	48.6		27.4	67.4

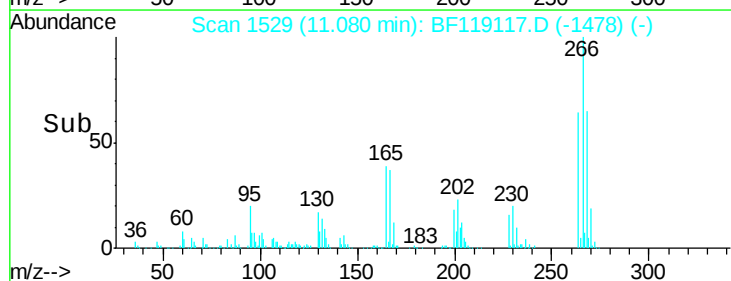
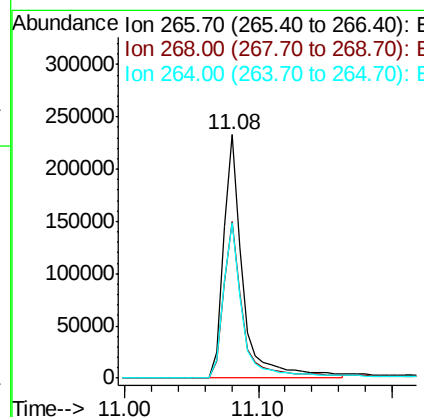
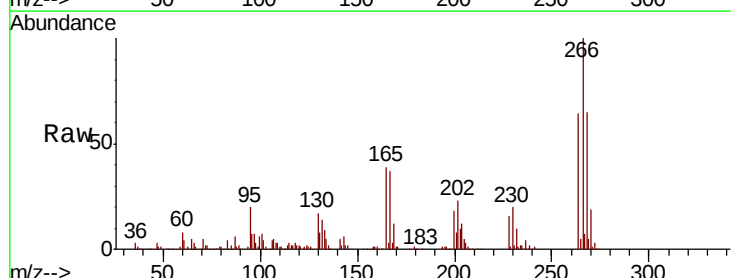
Manual Integrations
APPROVED

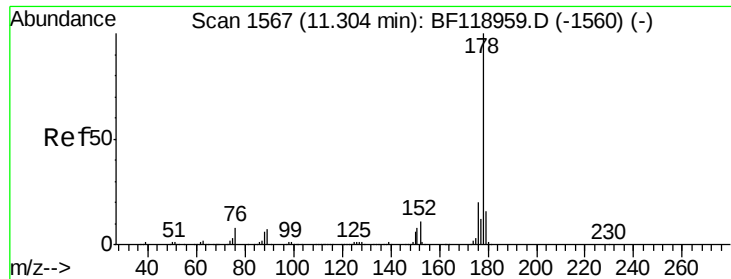
mohammad
2/28/2020 2:41:42 PM



#70
Pentachlorophenol
Concen: 81.951 ng
RT: 11.08 min Scan# 1529
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	239079		
268	64.5		51.9	77.9
264	63.9		51.0	76.4





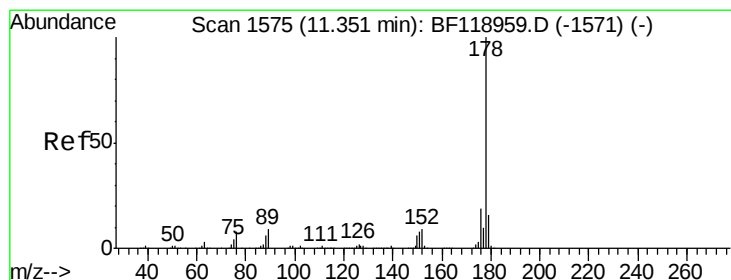
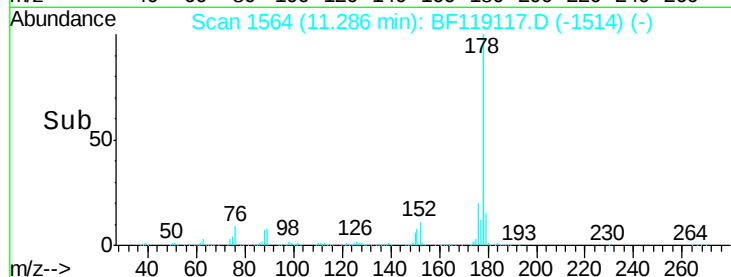
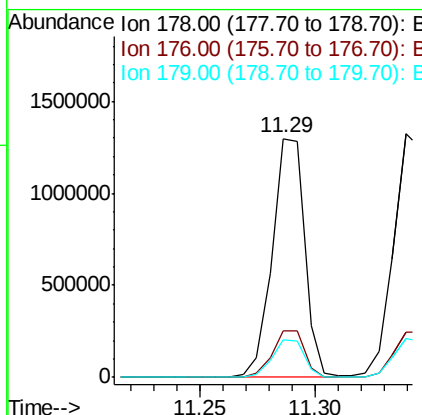
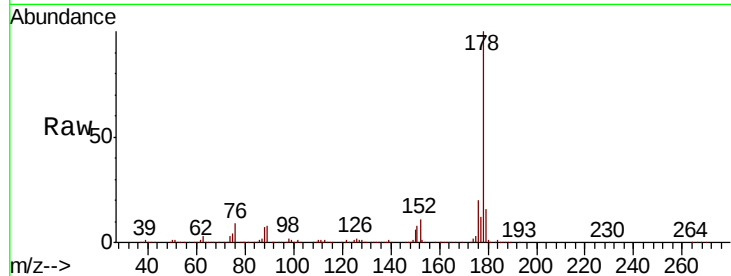
#71
Phenanthrene
Concen: 48.194 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion:178 Resp: 1263029
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.8 13.0 19.6

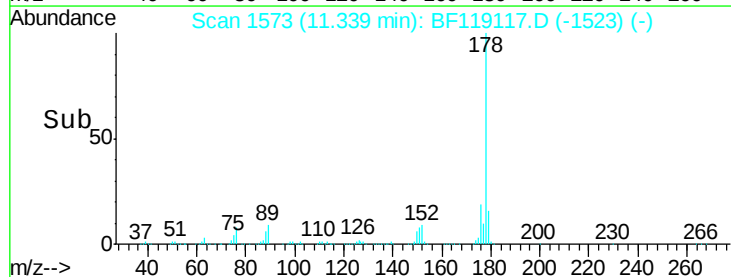
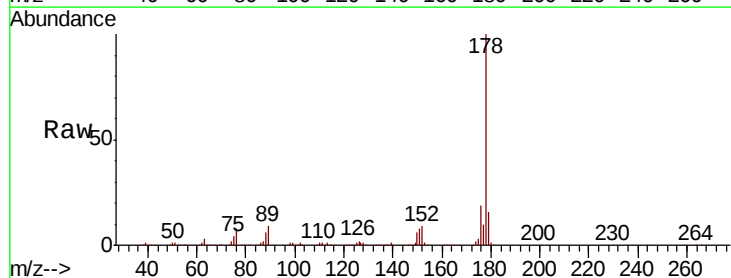
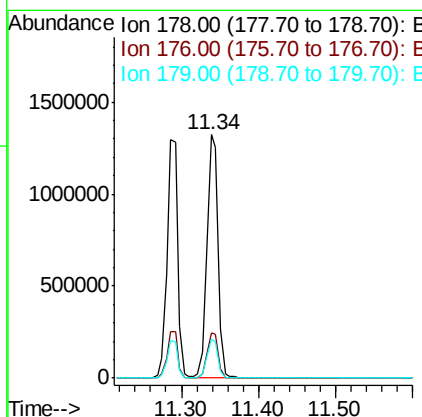
Manual Integrations
APPROVED

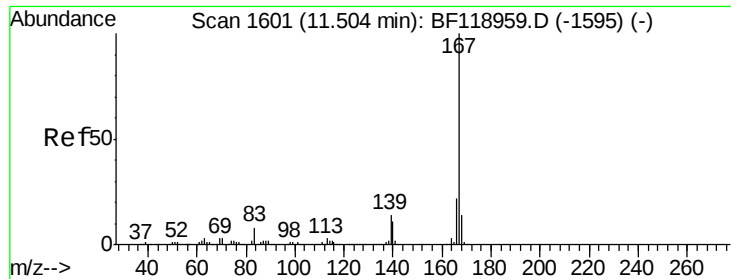
mohammad
2/28/2020 2:41:42 PM



#72
Anthracene
Concen: 50.175 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion:178 Resp: 1313843
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 16.2 13.1 19.7





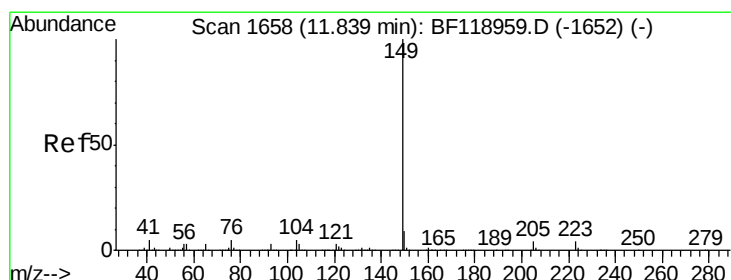
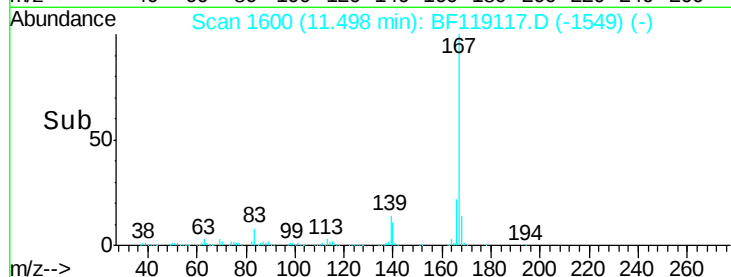
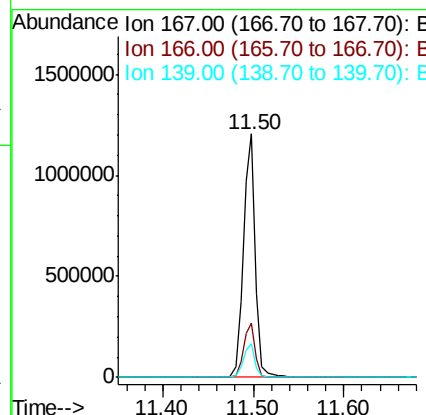
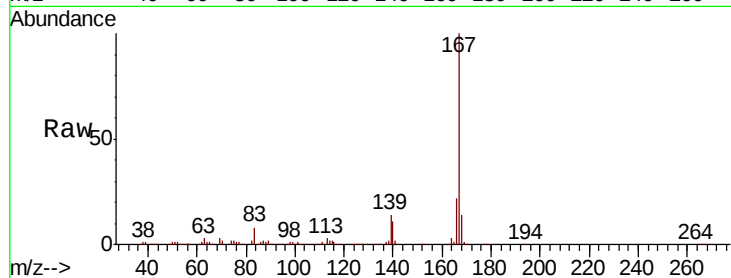
#73
 Carbazole
 Concen: 47.425 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.2	27.4
139	13.7	11.7	17.5

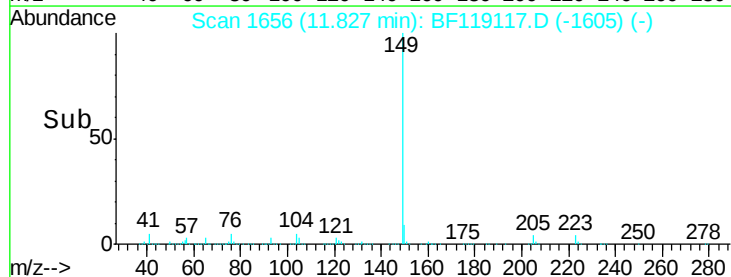
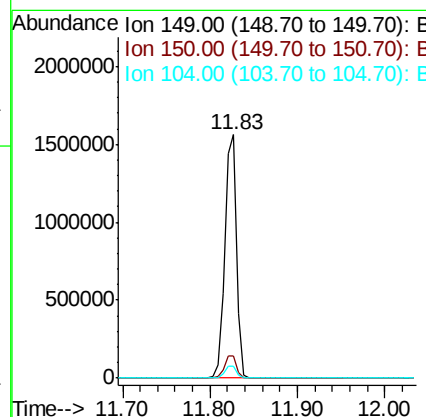
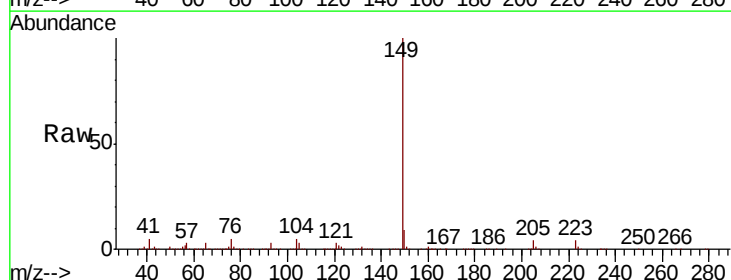
Manual Integrations
 APPROVED

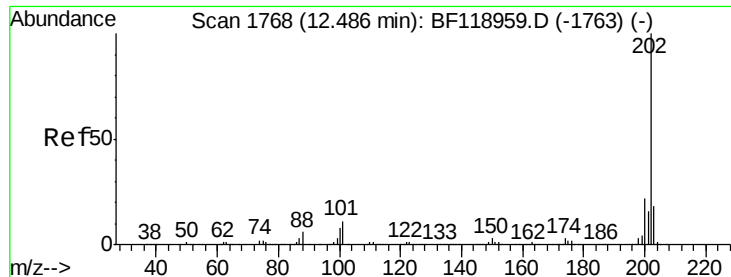
mohammad
 2/28/2020 2:41:42 PM



#74
 Di-n-butylphthalate
 Concen: 51.069 ng
 RT: 11.83 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.9	11.9
104	4.9	4.6	6.8





#75

Fluoranthene

Concen: 46.287 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

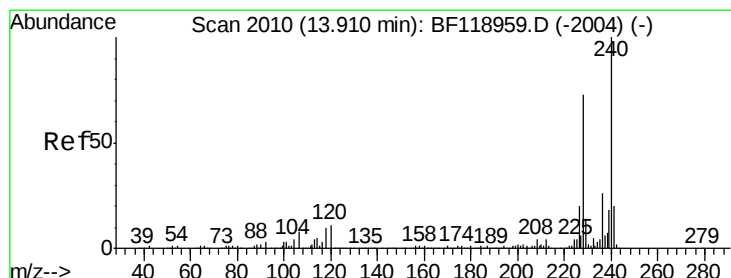
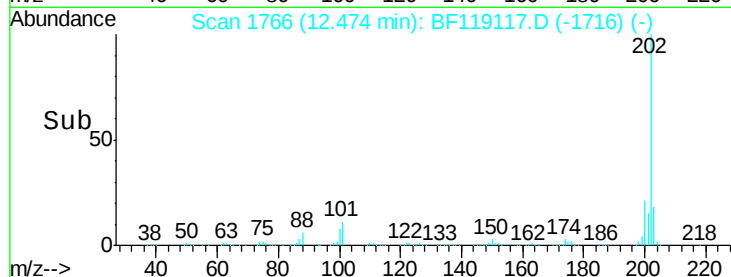
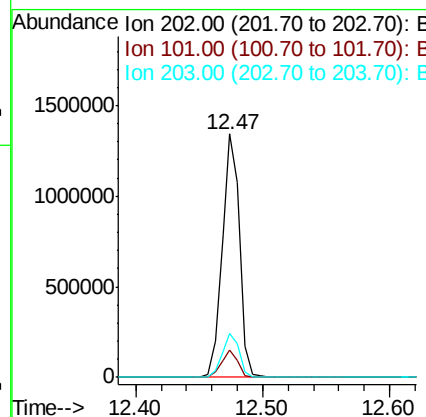
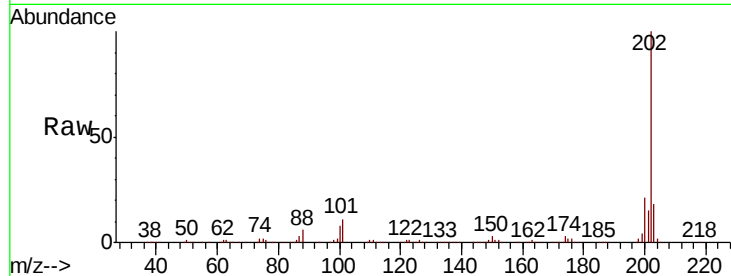
ClientSampleId :

GP-02-022420MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1287627		
101	11.2	0.0	30.3		
203	18.0	0.0	38.4		

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#76

Chrysene-d12

Concen: 20.000 ng

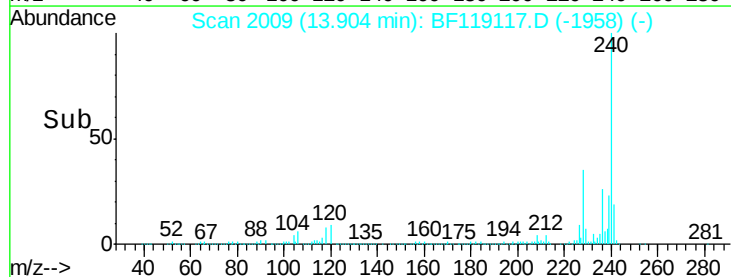
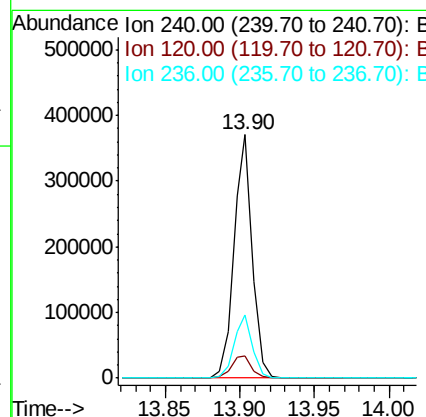
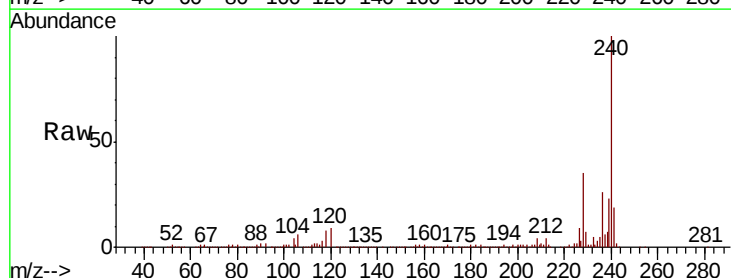
RT: 13.90 min Scan# 2009

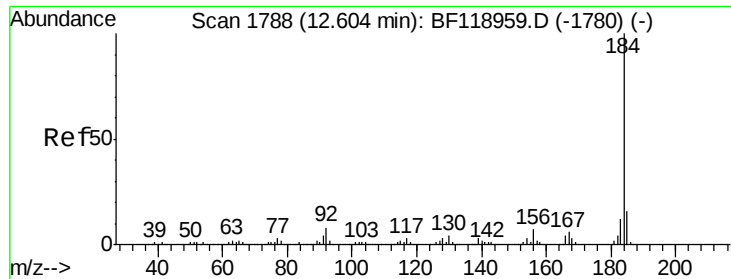
Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		320393		
120	9.2	8.4	12.6		
236	26.2	21.0	31.4		





#77

Benzidine

Concen: 47.498 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

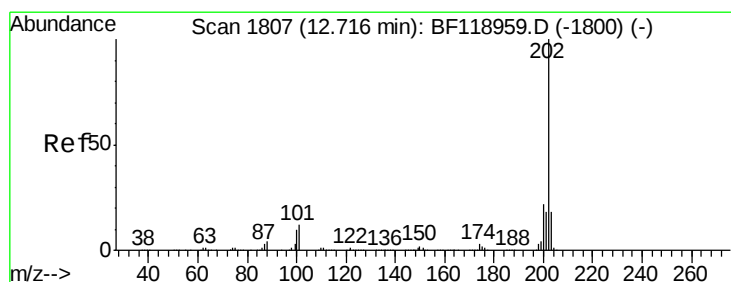
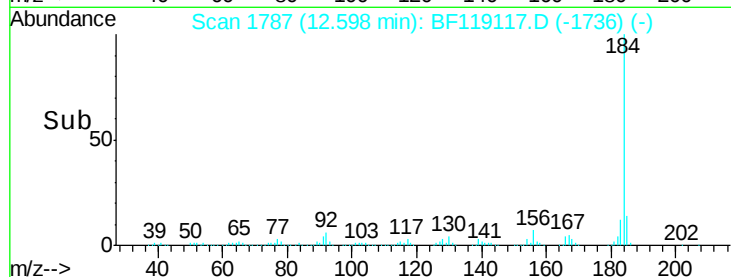
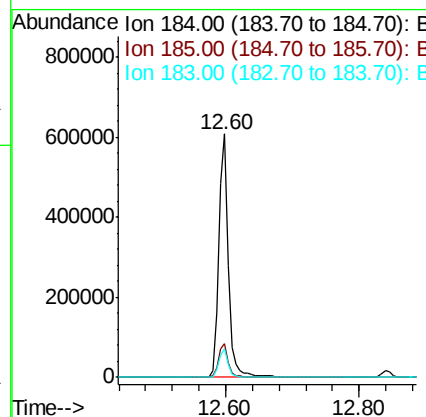
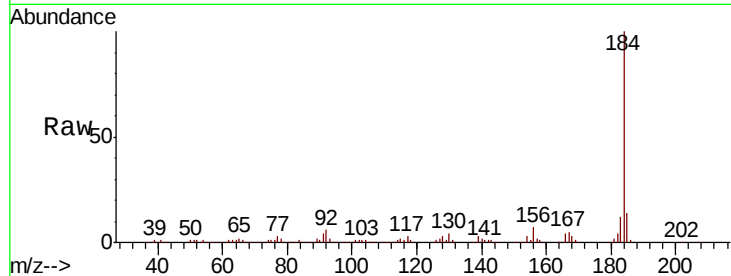
ClientSampleId :

GP-02-022420MSD

Tot Ion:	184	Resp:	618904
Ion Ratio	Lower	Upper	
184	100		
185	13.7	12.2	18.4
183	11.7	9.9	14.9

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#78

Pyrene

Concen: 49.014 ng

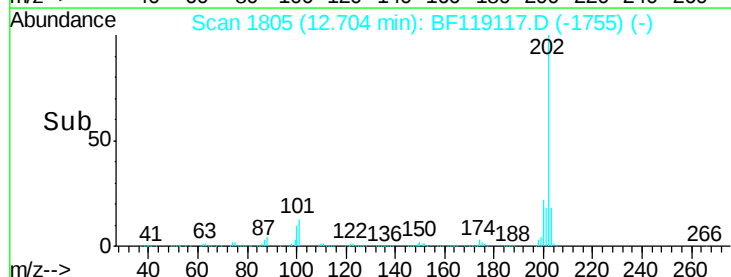
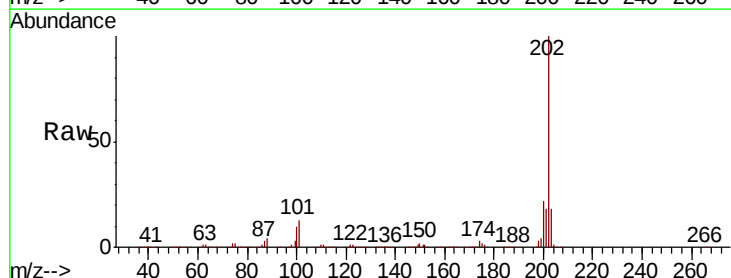
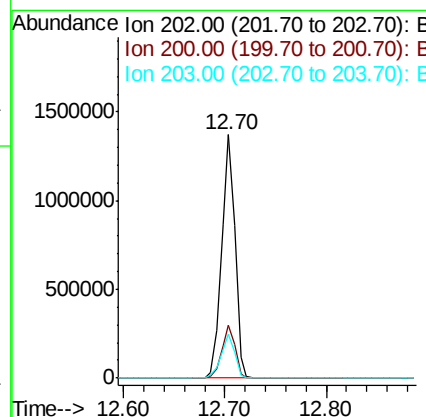
RT: 12.70 min Scan# 1805

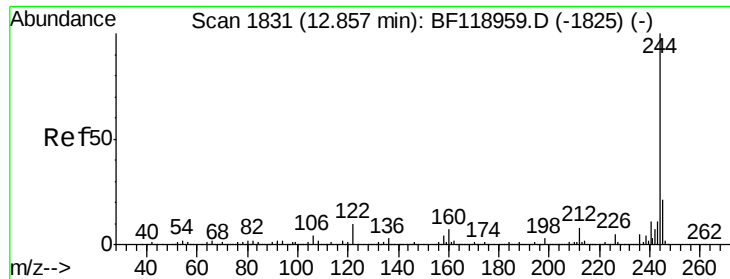
Delta R.T. -0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion:	202	Resp:	1260992
Ion Ratio	Lower	Upper	
202	100		
200	21.8	18.0	27.0
203	18.0	14.6	22.0





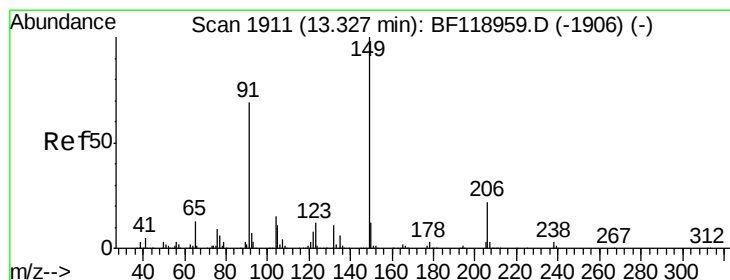
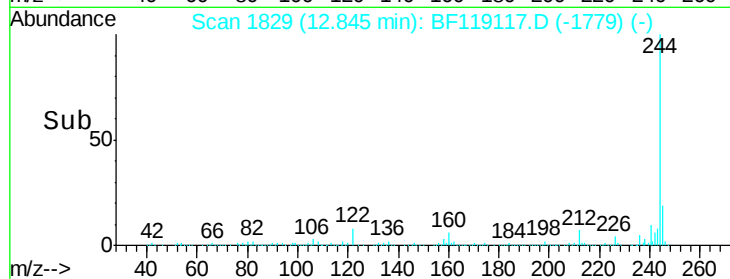
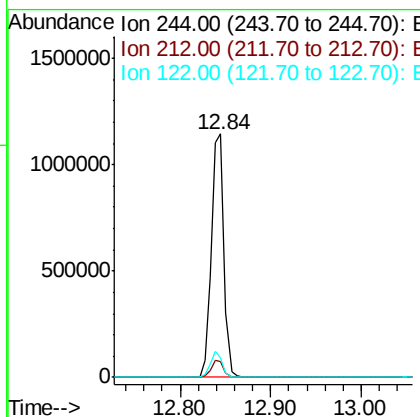
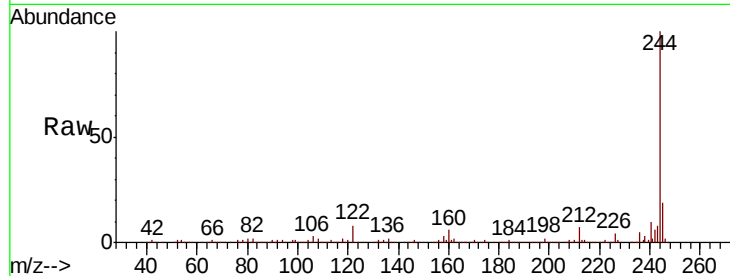
#79
 Terphenyl-d14
 Concen: 60.058 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion:244 Resp: 1117647
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.6 10.0#
 122 8.3 8.2 12.2

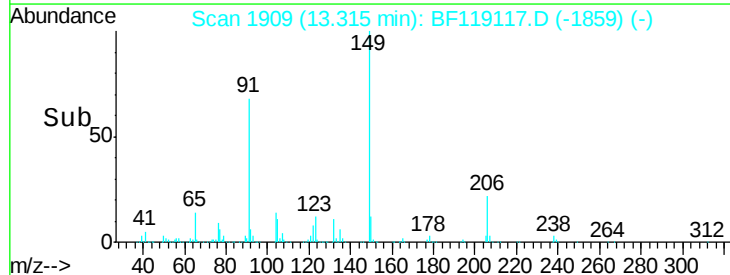
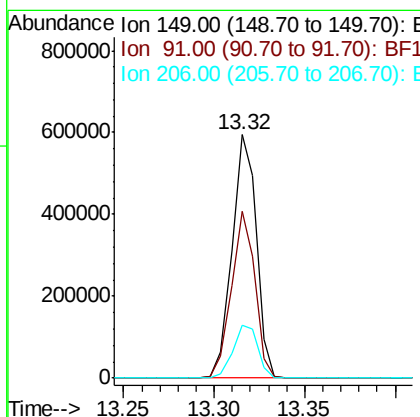
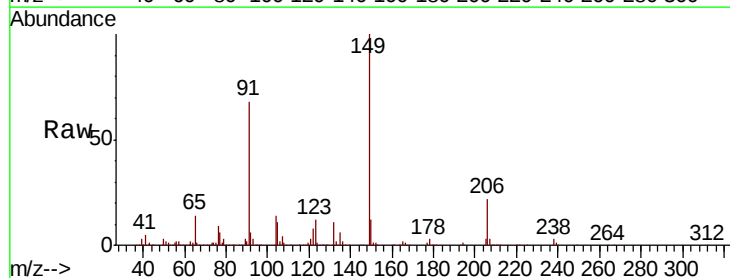
Manual Integrations
 APPROVED

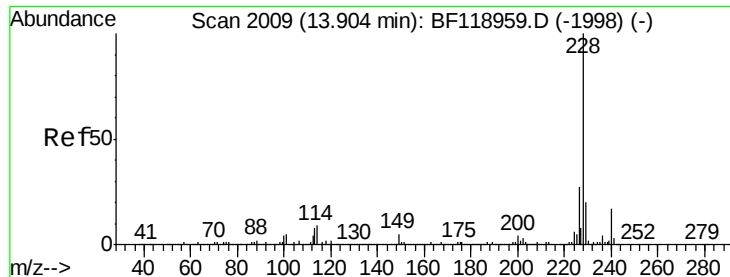
mohammad
 2/28/2020 2:41:42 PM



#80
 Butylbenzylphthalate
 Concen: 51.184 ng
 RT: 13.32 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion:149 Resp: 554216
 Ion Ratio Lower Upper
 149 100
 91 68.3 52.3 78.5
 206 21.9 18.5 27.7





#81

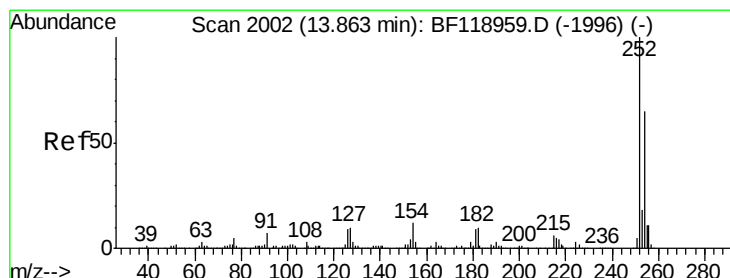
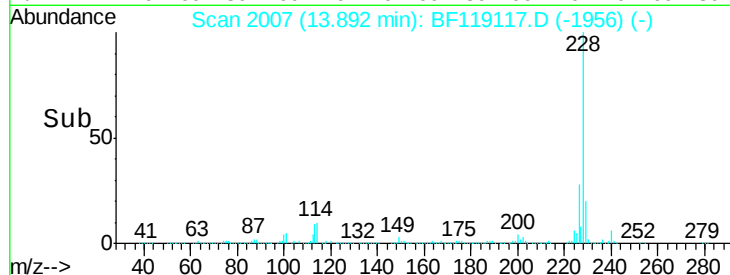
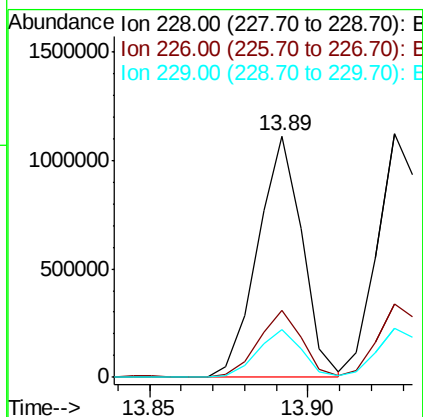
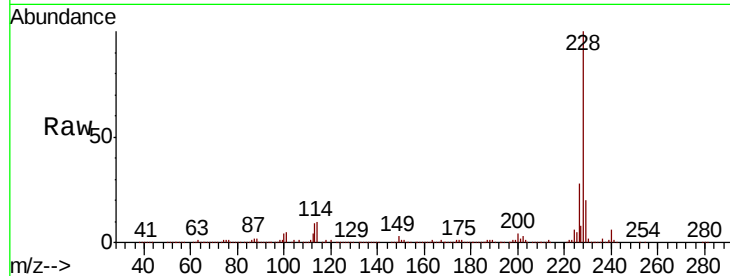
Benzo(a)anthracene
Concen: 49.330 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.0	16.6	24.8

Manual Integrations
APPROVED

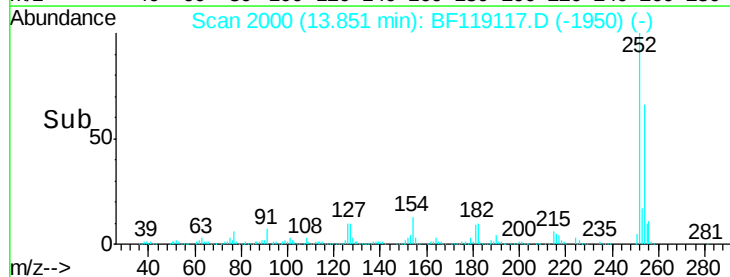
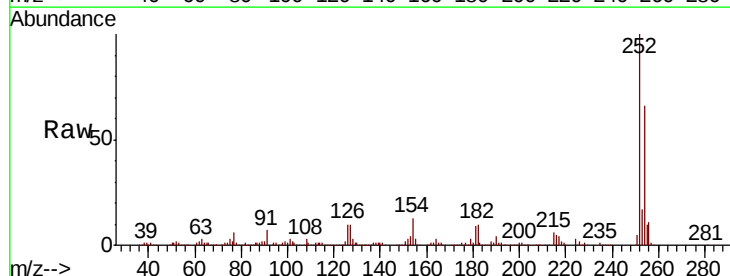
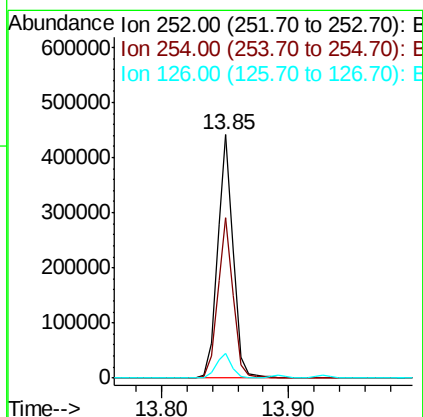
mohammad
2/28/2020 2:41:42 PM

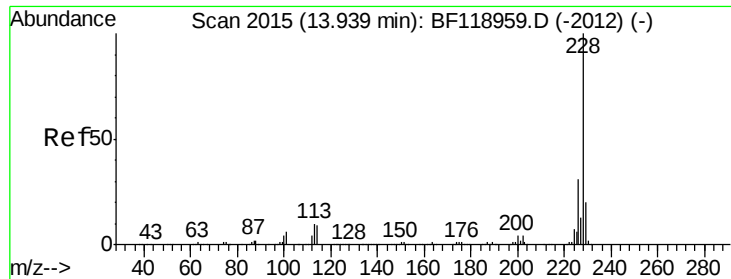


#82

3,3'-Dichlorobenzidine
Concen: 45.079 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.6	77.4
126	10.0	7.4	11.0





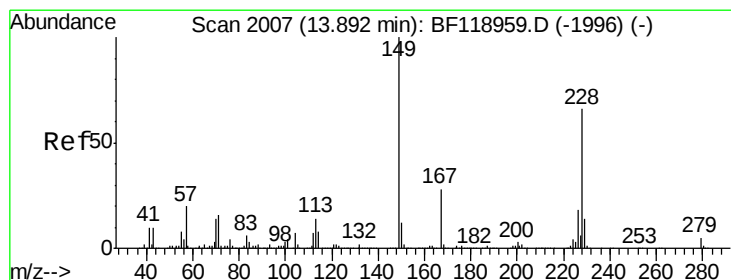
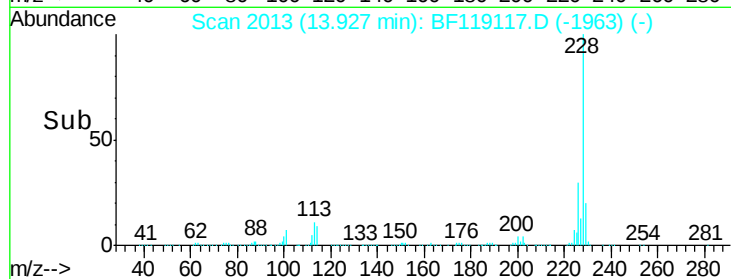
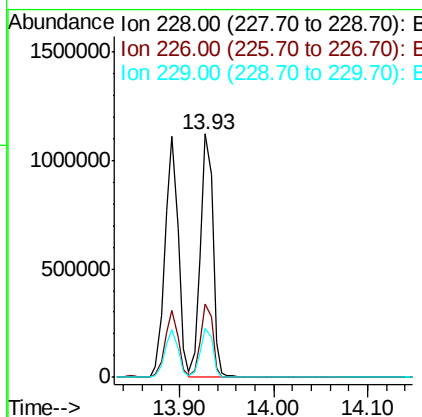
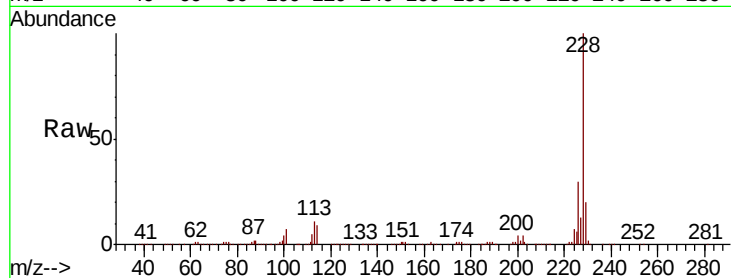
#83
 Chrvsene
 Concen: 47.481 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Instrument :
 BNA_F
 ClientSampleId :
 GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.1	37.7
229	20.3	16.3	24.5

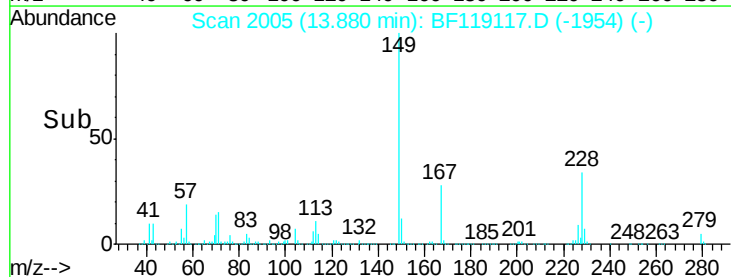
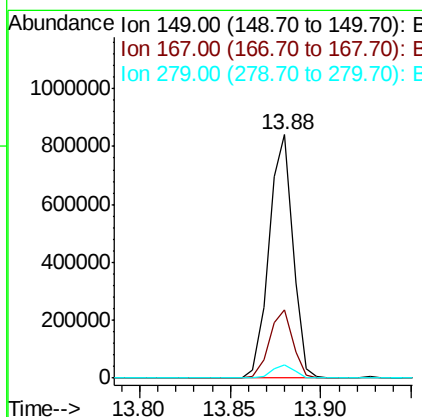
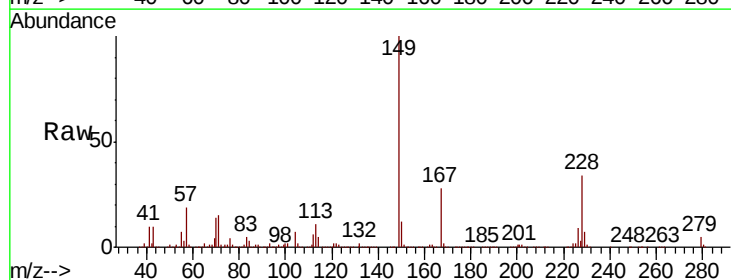
Manual Integrations
 APPROVED

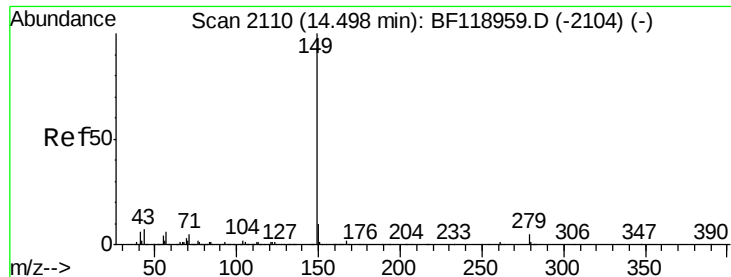
mohammad
 2/28/2020 2:41:42 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 56.195 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: BF119117.D
 Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.8	34.2
279	5.4	4.6	6.8





#85

Di-n-octyl phthalate

Concen: 57.287 ng

RT: 14.49 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Instrument :

BNA_F

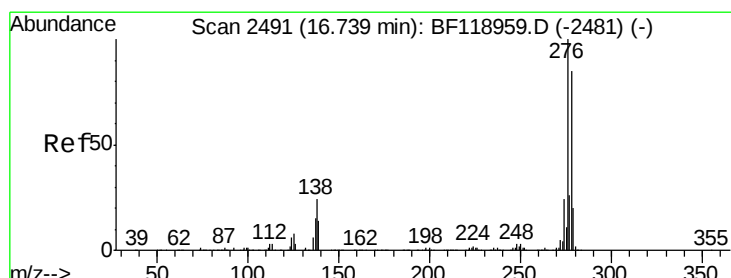
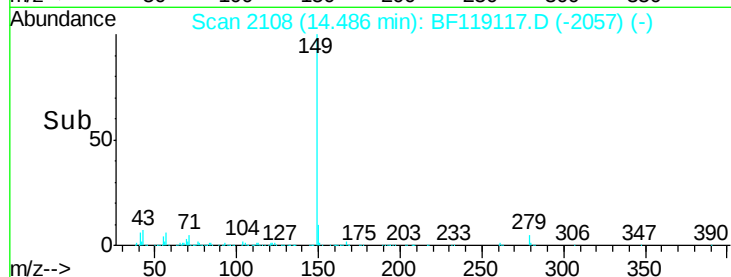
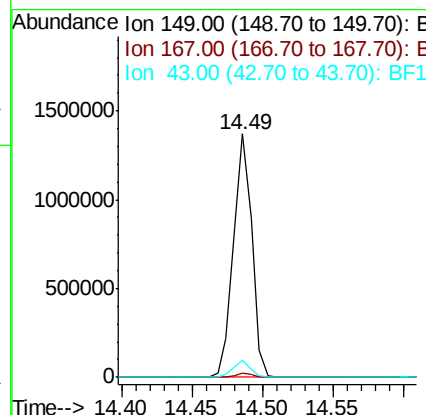
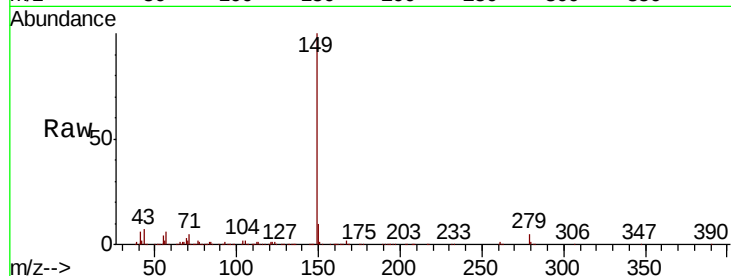
ClientSampleId :

GP-02-022420MSD

Tot Ion:	149	Resp:	1248597
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.5	5.7	8.5

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 60.457 ng

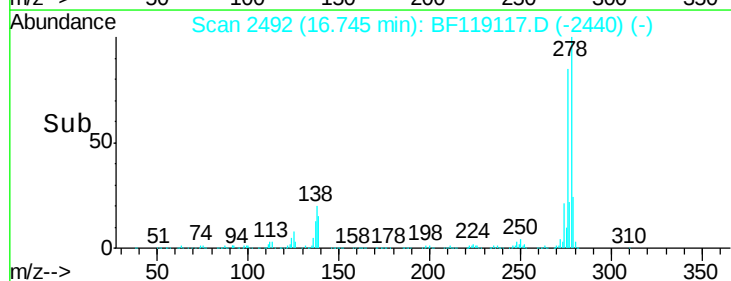
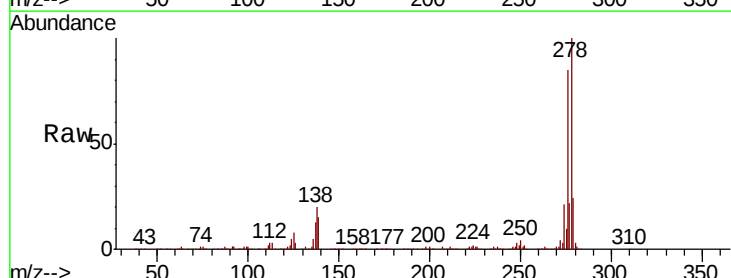
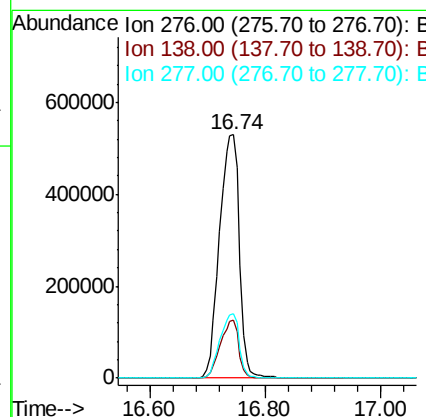
RT: 16.74 min Scan# 2492

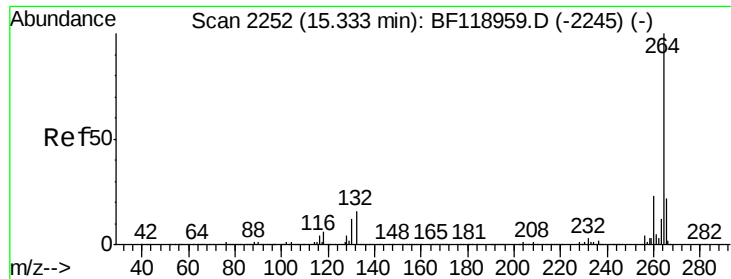
Delta R.T. 0.01 min

Lab File: BF119117.D

Acq: 27 Feb 2020 18:41

Tgt Ion:	276	Resp:	1273348
Ion	Ratio	Lower	Upper
276	100		
138	21.8	17.4	26.0
277	25.6	20.3	30.5





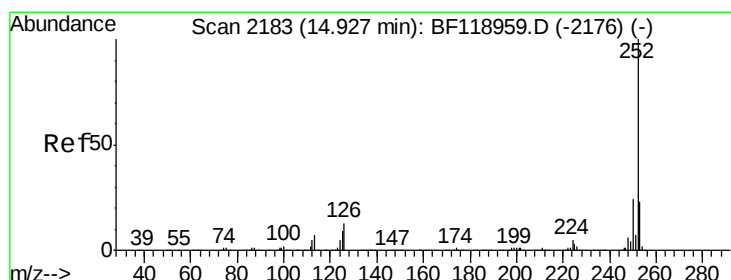
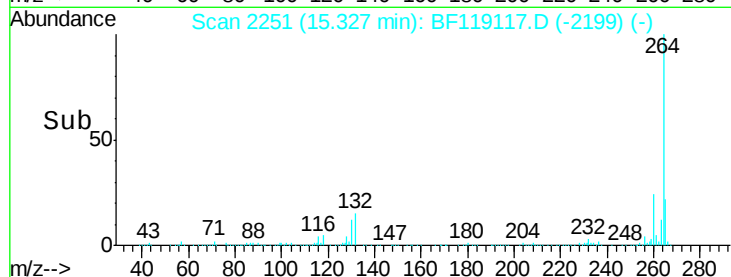
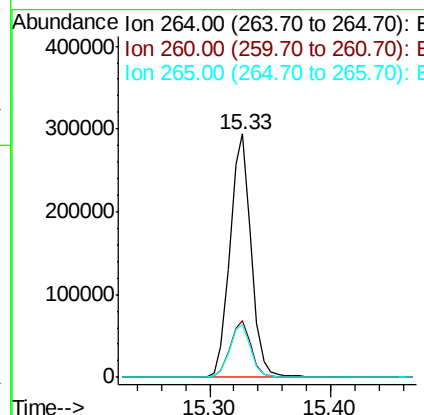
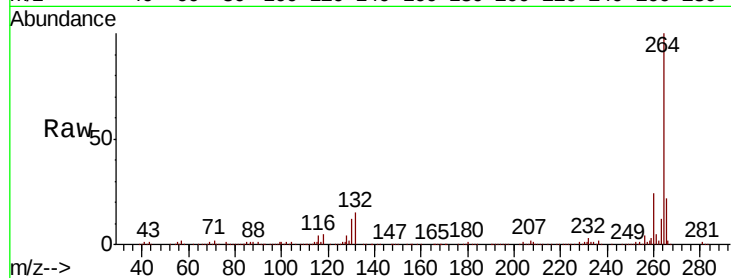
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.8	17.7	26.5

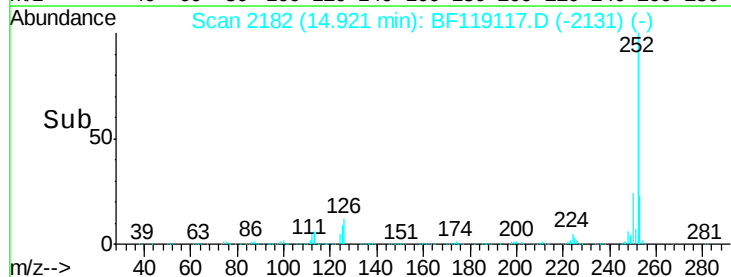
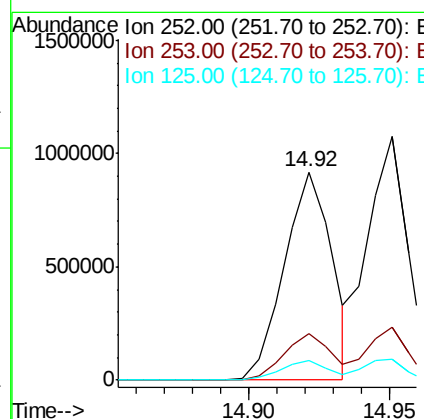
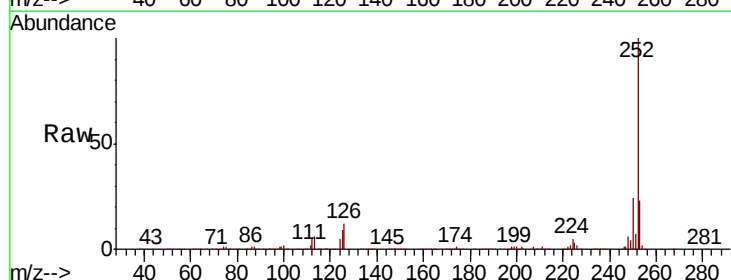
Manual Integrations
APPROVED

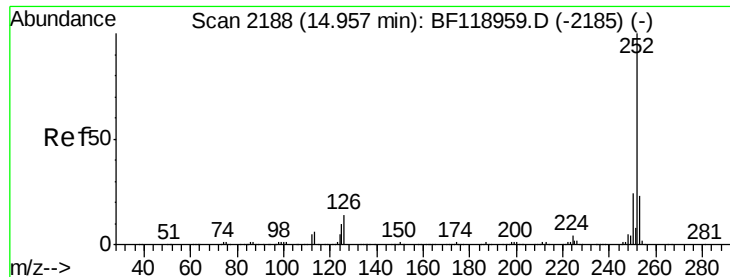
mohammad
2/28/2020 2:41:42 PM



#88
Benzo(b)fluoranthene
Concen: 46.115 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	9.3	7.4	11.0





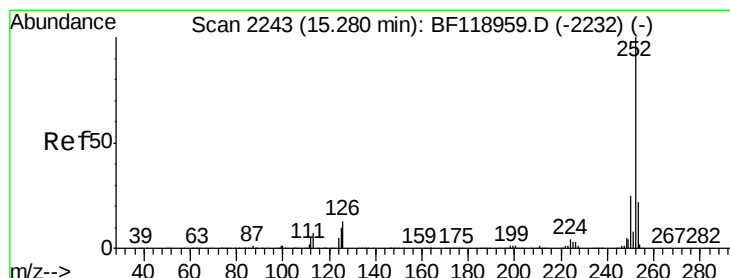
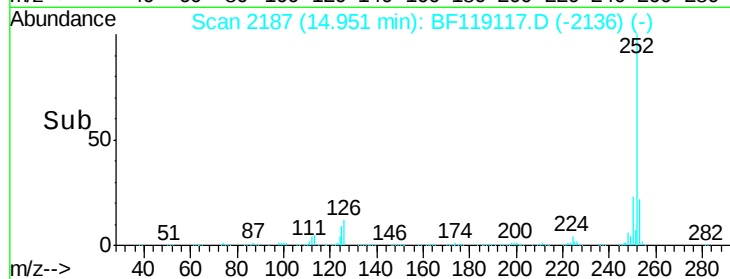
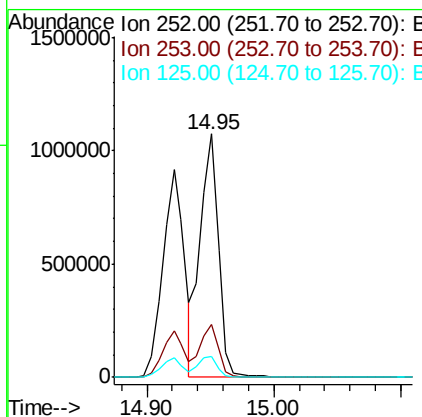
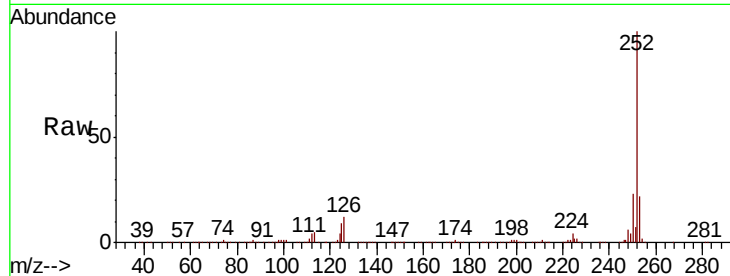
#89
Benzo(k)fluoranthene
Concen: 49.326 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	8.5	7.5	11.3

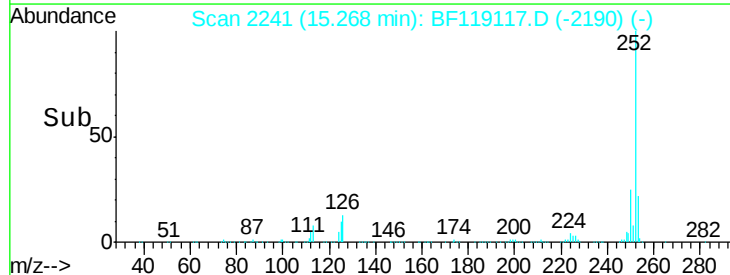
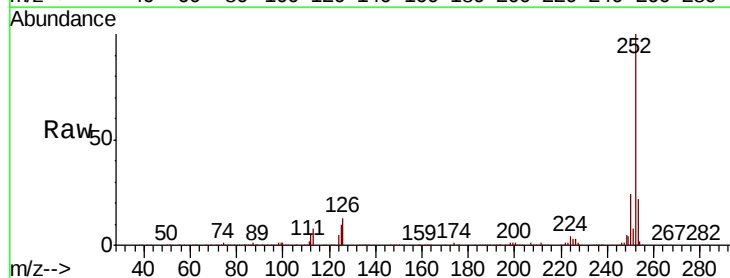
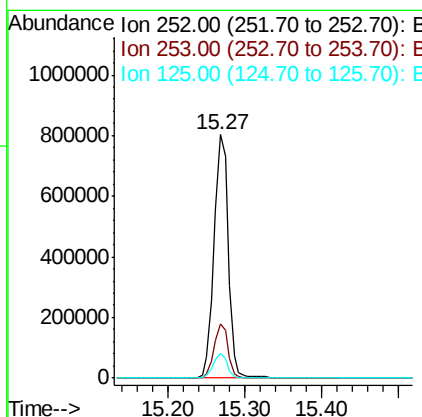
Manual Integrations
APPROVED

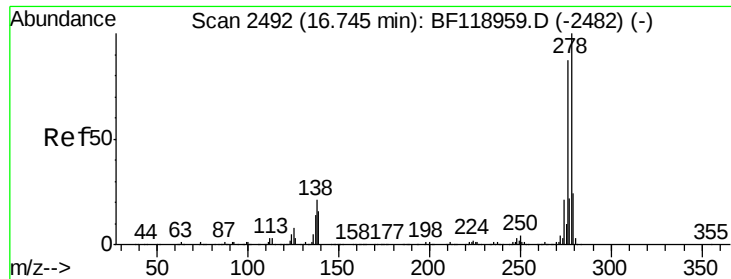
mohammad
2/28/2020 2:41:42 PM



#90
Benzo(a)pyrene
Concen: 47.743 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.0	8.6	12.8





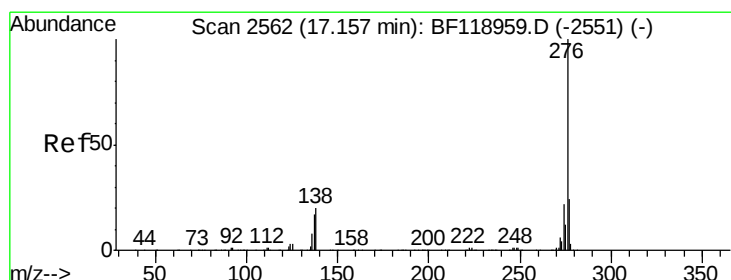
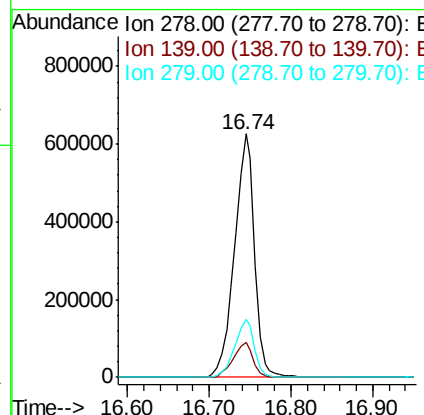
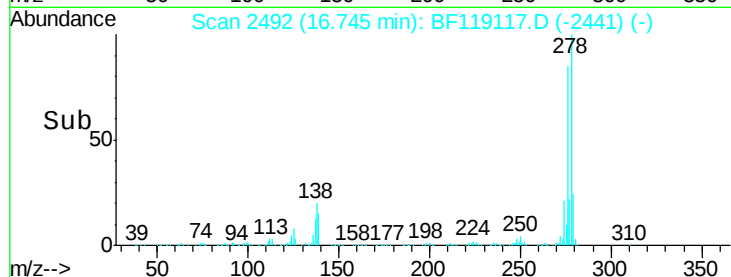
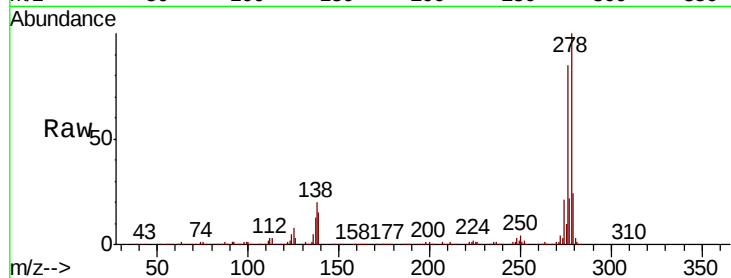
#91
Dibenzo(a,h)anthracene
Concen: 57.482 ng
RT: 16.74 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Instrument :
BNA_F
ClientSampleId :
GP-02-022420MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.0	16.4
279	23.7	18.6	28.0

Manual Integrations
APPROVED

mohammad
2/28/2020 2:41:42 PM



#92
Benzo(g,h,i)perylene
Concen: 58.279 ng
RT: 17.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BF119117.D
Acq: 27 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	18.3	14.3	21.5

