

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114539.D
 Acq On : 23 May 2019 22:28
 Operator : JU/SJ
 Sample : K2746-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5.8.19MSD

Manual Integrations
 APPROVED

mohammad
 5/24/2019 1:36:39 PM

Quant Time: May 24 08:00:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	163555	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	637693	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	320950	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	699805	20.00	ng	0.00
76) Chrysene-d12	13.99	240	518618	20.00	ng	0.00
87) Perylene-d12	15.44	264	471708	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1098357	108.07	ng	0.00
7) Phenol-d6	6.46	99	1417309	117.91	ng	0.00
23) Nitrobenzene-d5	7.38	82	860961	75.77	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	381715	115.04	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1510560	71.19	ng	0.00
79) Terphenyl-d14	12.92	244	1790244	71.16	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.55	88	151081	27.045	ng	99
3) Pyridine	3.31	79	413202	26.846	ng	96
4) n-Nitrosodimethylamine	3.25	42	233170	31.415	ng	100
6) Aniline	6.48	93	329608	18.982	ng	# 23
8) 2-Chlorophenol	6.60	128	446056	41.111	ng	96
9) Benzaldehyde	6.36	77	161626	19.206	ng	100
10) Phenol	6.47	94	560348	39.627	ng	95
11) bis(2-Chloroethyl)ether	6.55	93	419875	39.111	ng	96
12) 1,3-Dichlorobenzene	6.76	146	446884	36.693	ng	99
13) 1,4-Dichlorobenzene	6.83	146	459907	37.474	ng	98
14) 1,2-Dichlorobenzene	6.99	146	429575	38.313	ng	99
15) Benzyl Alcohol	6.96	79	362617	38.678	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	758408	36.435	ng	70
17) 2-Methylphenol	7.08	107	349229	39.183	ng	# 92
18) Hexachloroethane	7.32	117	166046	36.045	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	297716	39.075	ng	100
20) 3+4-Methylphenols	7.23	107	457581	44.436	ng	# 65
22) Acetophenone	7.22	105	584682	41.388	ng	# 89
24) Nitrobenzene	7.40	77	460604	39.799	ng	94
25) Isophorone	7.63	82	851339	40.398	ng	99
26) 2-Nitrophenol	7.72	139	242503	43.189	ng	98
27) 2,4-Dimethylphenol	7.76	122	381956	43.312	ng	99
28) bis(2-Chloroethoxy)methane	7.84	93	534680	39.103	ng	99
29) 2,4-Dichlorophenol	7.96	162	374028	42.593	ng	100
30) 1,2,4-Trichlorobenzene	8.04	180	383747	38.430	ng	99
31) Naphthalene	8.12	128	1240308	41.638	ng	98
32) Benzoic acid	7.87	122	70185	16.550	ng	97
33) 4-Chloroaniline	8.17	127	212245	15.636	ng	99
34) Hexachlorobutadiene	8.23	225	209199	36.820	ng	97
35) Caprolactam	8.55	113	135208m	47.220	ng	
36) 4-Chloro-3-methylphenol	8.67	107	403470	45.646	ng	99
37) 2-Methylnaphthalene	8.81	142	837924	43.599	ng	98
38) 1-Methylnaphthalene	8.91	142	794645	43.906	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	380313	39.118	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114539.D
 Acq On : 23 May 2019 22:28
 Operator : JU/SJ
 Sample : K2746-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5.8.19MSD

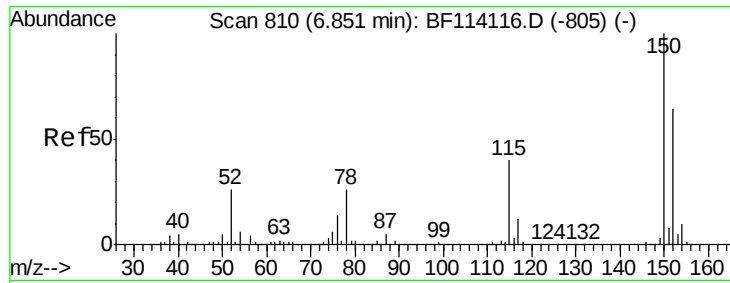
Manual Integrations
 APPROVED

mohammad
 5/24/2019 1:36:39 PM

Quant Time: May 24 08:00:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	90208	23.164	nq	98
43) 2,4,6-Trichlorophenol	9.09	196	258549	38.663	nq	99
44) 2,4,5-Trichlorophenol	9.15	196	273191	39.835	nq	98
46) 1,1'-Biphenyl	9.27	154	1026745	39.599	nq	97
47) 2-Chloronaphthalene	9.30	162	788579	37.791	nq	97
48) 2-Nitroaniline	9.40	65	283396	38.295	nq	98
49) Acenaphthylene	9.72	152	1265792	39.883	nq	99
50) Dimethylphthalate	9.57	163	1085477	46.071	nq	100
51) 2,6-Dinitrotoluene	9.64	165	216833	41.493	nq	98
52) Acenaphthene	9.89	154	752526	38.640	nq	97
53) 3-Nitroaniline	9.81	138	161630	24.916	nq	99
54) 2,4-Dinitrophenol	9.93	184	122412	49.403	nq	94
55) Dibenzofuran	10.06	168	1090317	38.179	nq	99
56) 4-Nitrophenol	10.00	139	296075	64.539	nq	98
57) 2,4-Dinitrotoluene	10.05	165	275305	38.814	nq	# 80
58) Fluorene	10.40	166	912560	41.370	nq	97
59) 2,3,4,6-Tetrachlorophenol	10.19	232	237653	40.161	nq	100
60) Diethylphthalate	10.27	149	978618	40.879	nq	98
61) 4-Chlorophenyl-phenylether	10.39	204	432942	39.961	nq	98
62) 4-Nitroaniline	10.43	138	237285	34.810	nq	96
63) Azobenzene	10.55	77	920616	39.730	nq	97
65) 4,6-Dinitro-2-methylphenol	10.47	198	127423	37.894	nq	88
66) n-Nitrosodiphenylamine	10.51	169	829156	39.039	nq	99
67) 4-Bromophenyl-phenylether	10.87	248	278504	36.145	nq	96
68) Hexachlorobenzene	10.96	284	302043	35.435	nq	92
69) Atrazine	11.04	200	258228	39.069	nq	98
70) Pentachlorophenol	11.16	266	255507	63.233	nq	97
71) Phenanthrene	11.36	178	1357851	39.882	nq	98
72) Anthracene	11.42	178	1392568	40.722	nq	99
73) Carbazole	11.57	167	1368342	41.961	nq	99
74) Di-n-butylphthalate	11.89	149	1573190	41.875	nq	100
75) Fluoranthene	12.55	202	1534779	41.861	nq	98
77) Benzidine	12.67	184	305136	13.107	nq	95
78) Pyrene	12.79	202	1570046	37.633	nq	99
80) Butylbenzylphthalate	13.39	149	715685	40.756	nq	95
81) Benzo(a)anthracene	13.97	228	1296653	38.655	nq	100
82) 3,3'-Dichlorobenzidine	13.93	252	317150	24.372	nq	99
83) Chrysene	14.01	228	1268350	38.572	nq	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	1013873	44.145	nq	100
85) Di-n-octyl phthalate	14.56	149	1695175	45.532	nq	99
86) Indeno(1,2,3-cd)pyrene	16.93	276	1229597	42.311	nq	99
88) Benzo(b)fluoranthene	15.02	252	1193001	39.477	nq	100
89) Benzo(k)fluoranthene	15.05	252	1135289	40.896	nq	99
90) Benzo(a)pyrene	15.39	252	1112998	41.848	nq	99
91) Dibenzo(a,h)anthracene	16.93	278	1024553	46.359	nq	100
92) Benzo(g,h,i)perylene	17.37	276	1061126	47.911	nq	99

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



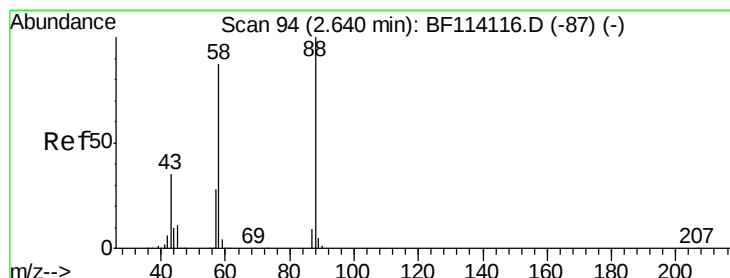
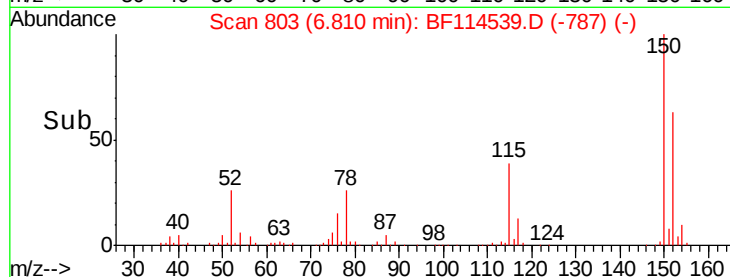
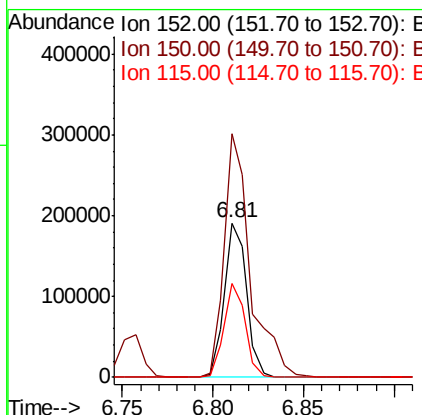
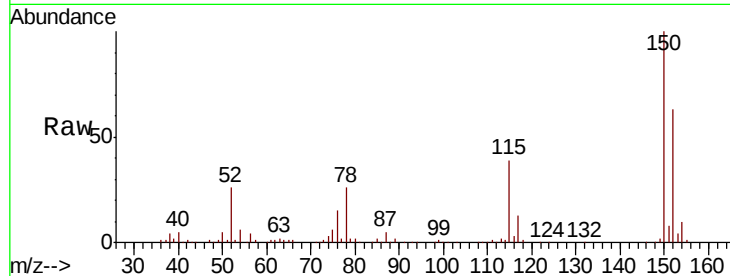
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.3	186.5
115	61.0	49.1	73.7

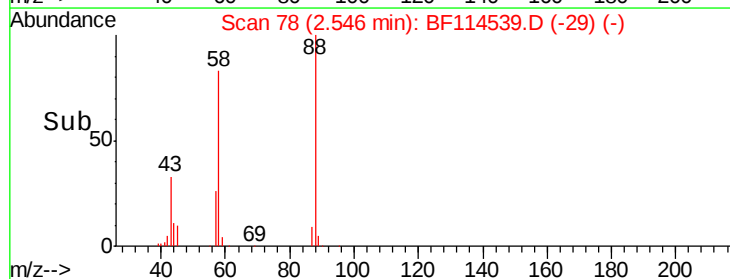
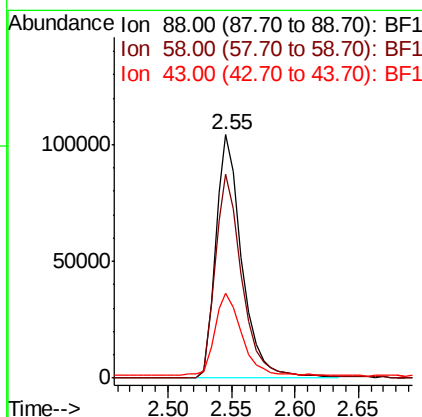
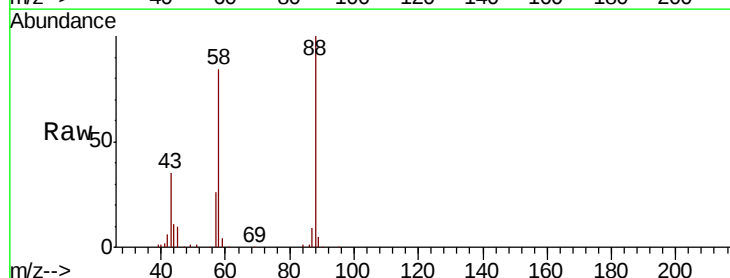
Manual Integrations
 APPROVED

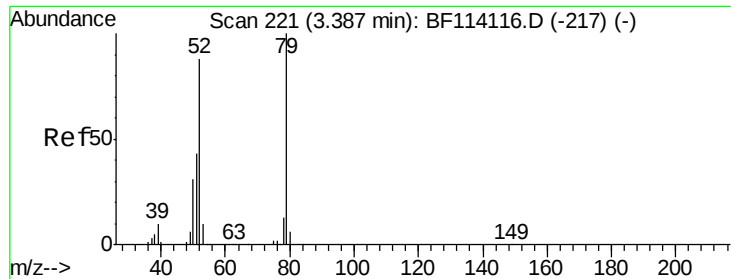
mohammad
 5/24/2019 1:36:39 PM



#2
 1,4-Dioxane
 Concen: 27.045 ng
 RT: 2.55 min Scan# 78
 Delta R.T. -0.01 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.1	68.7	103.1
43	34.5	28.2	42.2





#3

Pvridine

Concen: 26.846 ng

RT: 3.31 min Scan# 208

Delta R.T. 0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

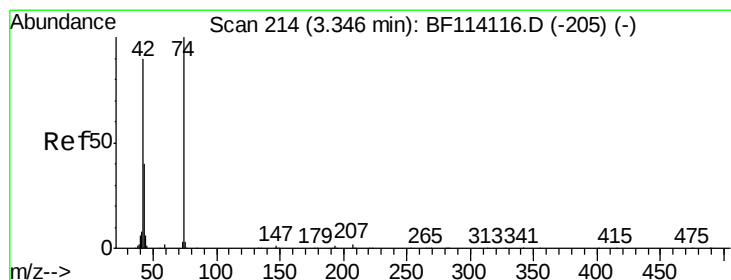
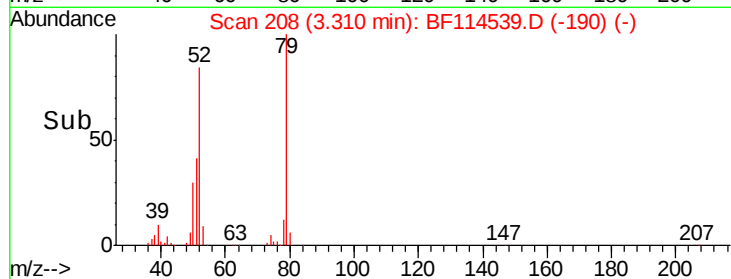
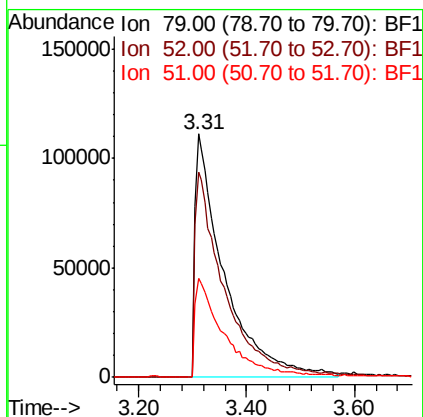
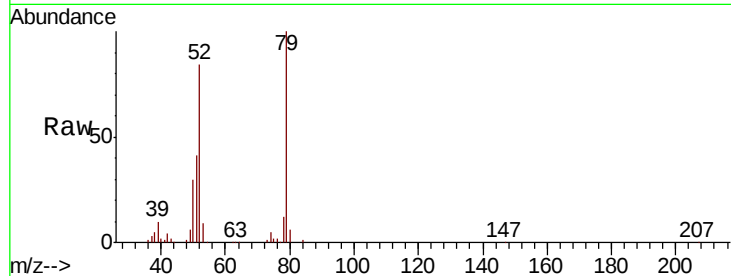
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	79	Resp:	413202
Ion	Ratio	Lower	Upper
79	100		
52	84.1	70.6	105.8
51	40.5	34.2	51.2

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#4

n-Nitrosodimethylamine

Concen: 31.415 ng

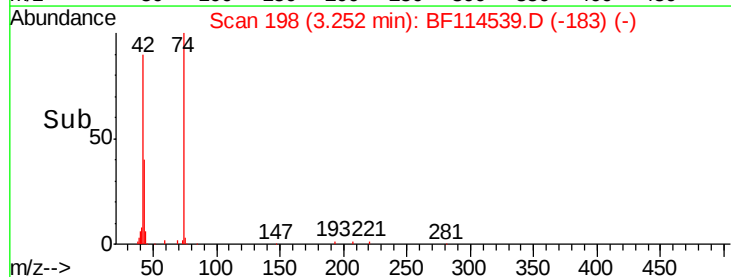
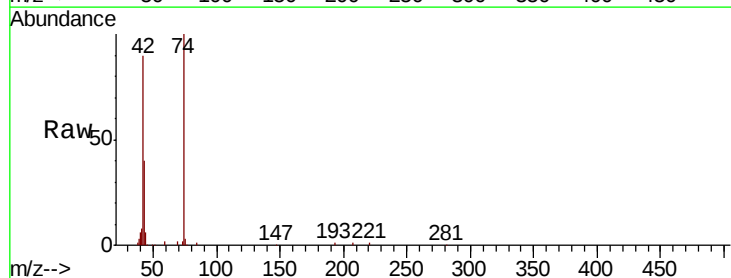
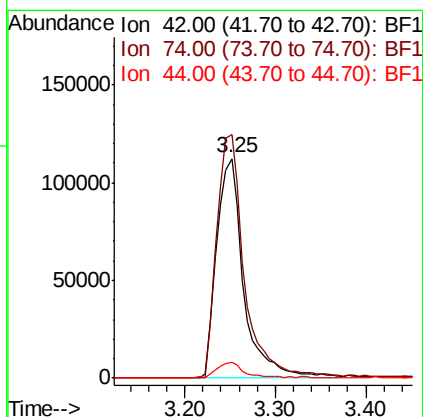
RT: 3.25 min Scan# 198

Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	42	Resp:	233170
Ion	Ratio	Lower	Upper
42	100		
74	110.8	88.6	132.8
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 108.070 ng

RT: 5.45 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampleId :

COMP-5.8.19MSD

Tot Ion:112 Resp: 1098357

Ion Ratio Lower Upper

112 100

64 65.0 49.0 73.6

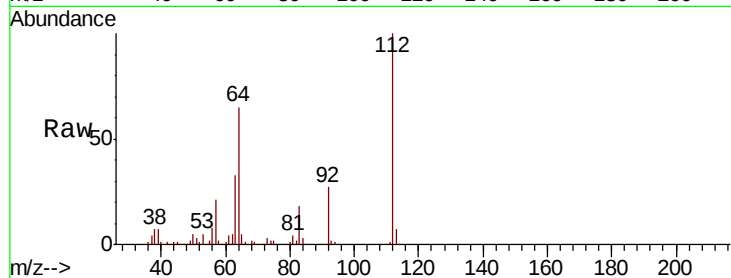
63 33.2 24.6 37.0

Manual Integrations

APPROVED

mohammad

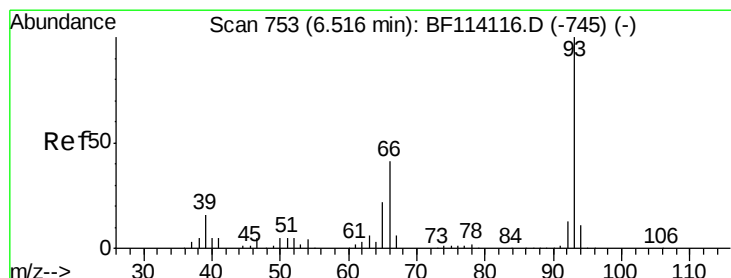
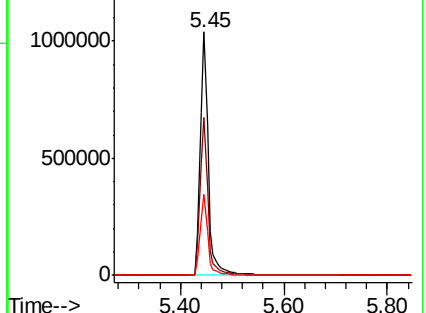
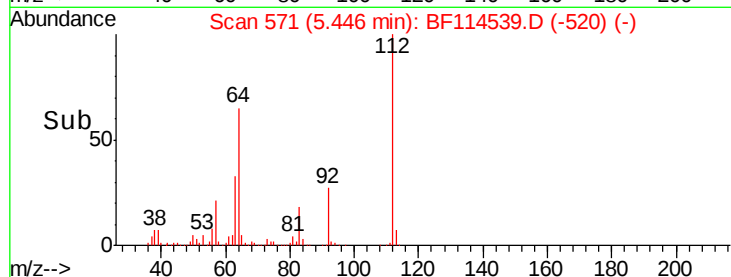
5/24/2019 1:36:39 PM



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: 18.982 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

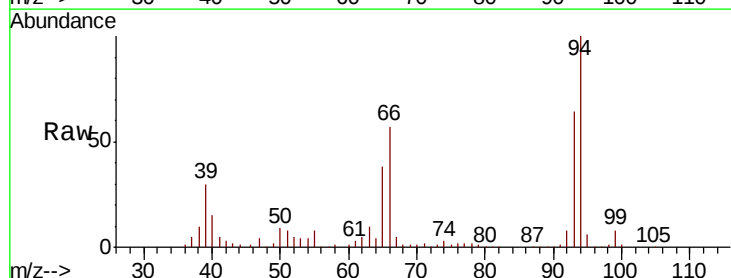
Tgt Ion: 93 Resp: 329608

Ion Ratio Lower Upper

93 100

66 89.9 33.2 49.8#

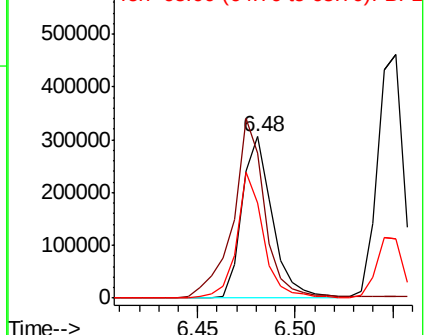
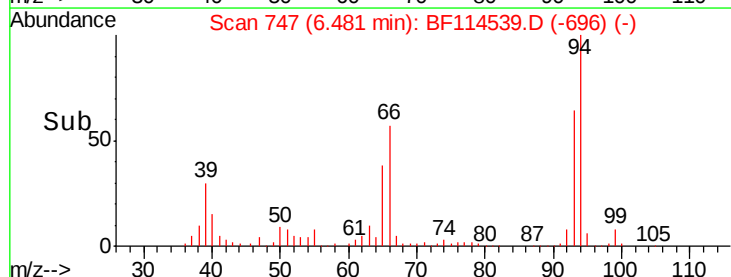
65 58.9 17.6 26.4#



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: 117.907 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampleId :

COMP-5.8.19MSD

Tot Ion: 99 Resp: 1417309

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

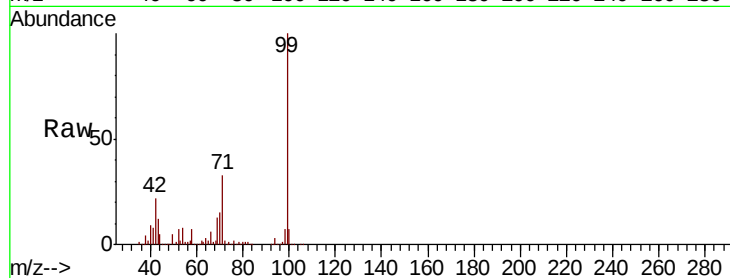
71 33.5 26.2 39.2

Manual Integrations

APPROVED

mohammad

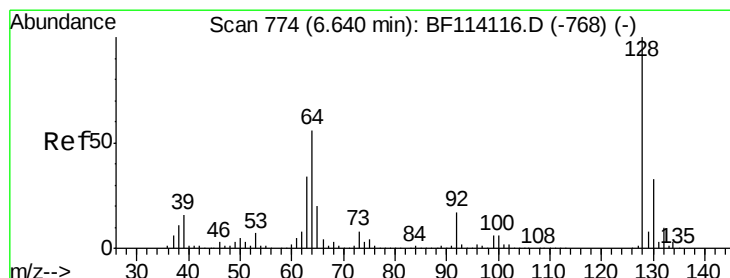
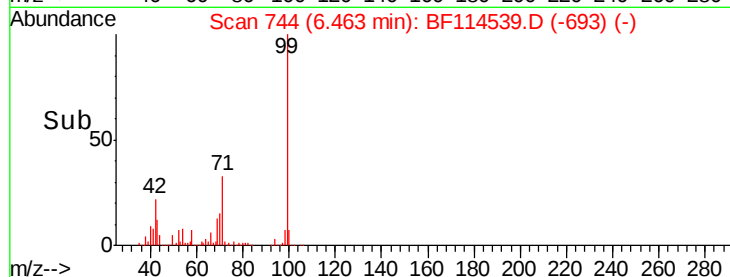
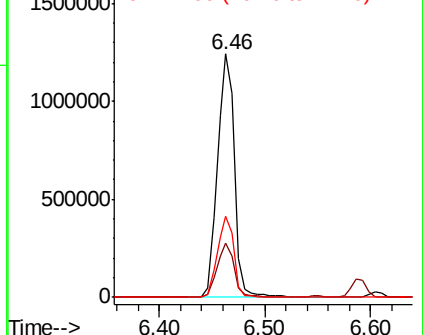
5/24/2019 1:36:39 PM



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: 41.111 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

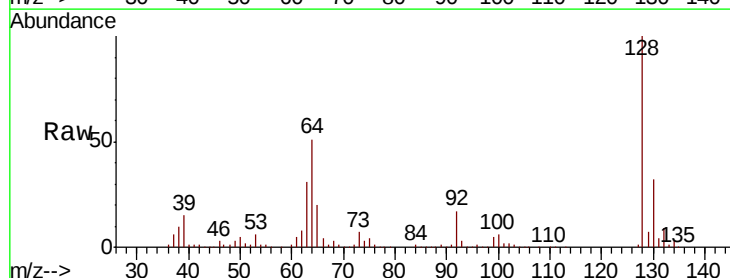
Tgt Ion: 128 Resp: 446056

Ion Ratio Lower Upper

128 100

130 32.3 12.6 52.6

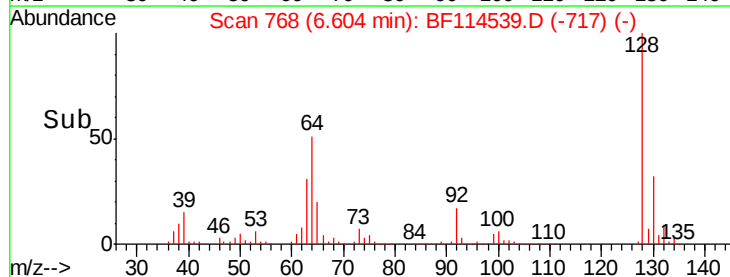
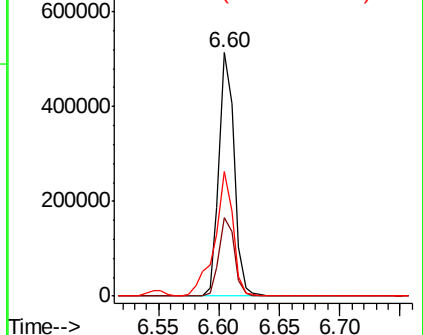
64 51.4 35.9 75.9

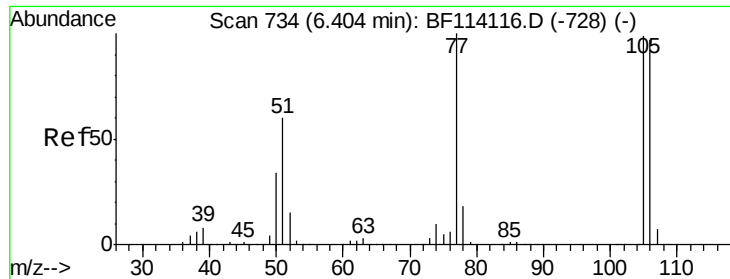


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 19.206 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

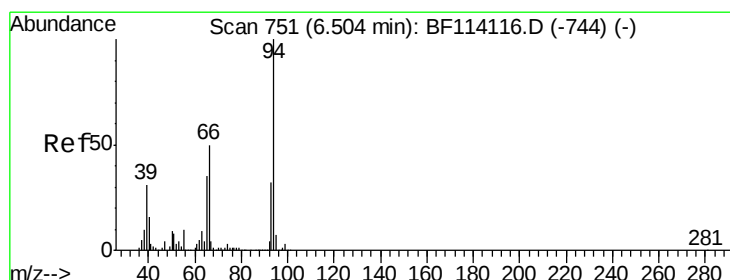
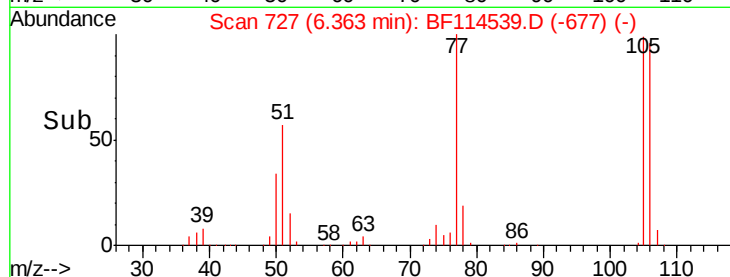
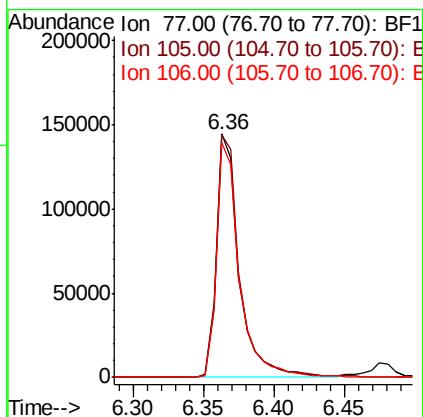
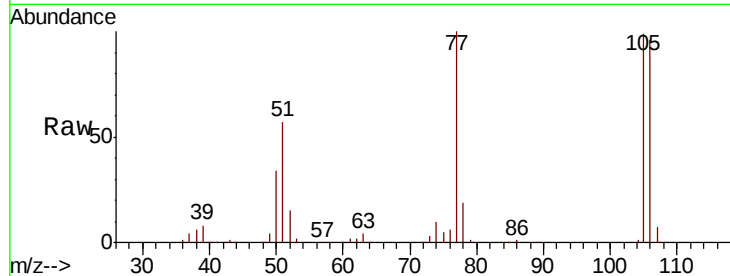
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	77	Resp:	161626
Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.3	119.3
106	96.2	77.0	117.0

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#10

Phenol

Concen: 39.627 ng

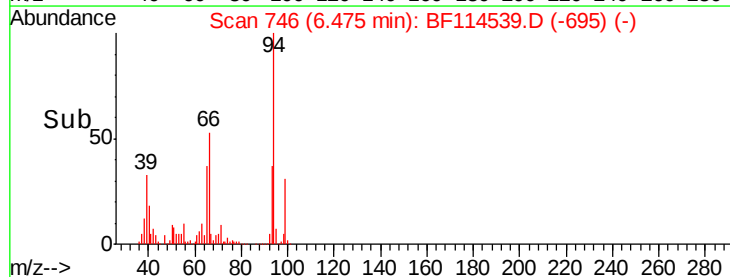
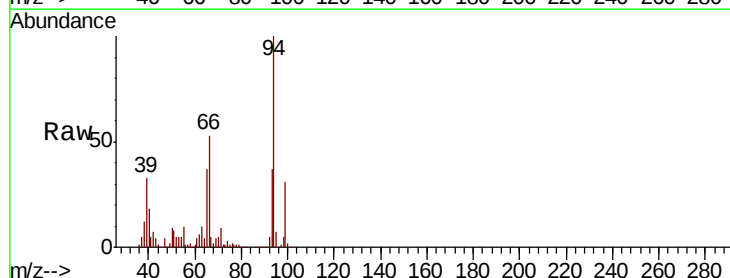
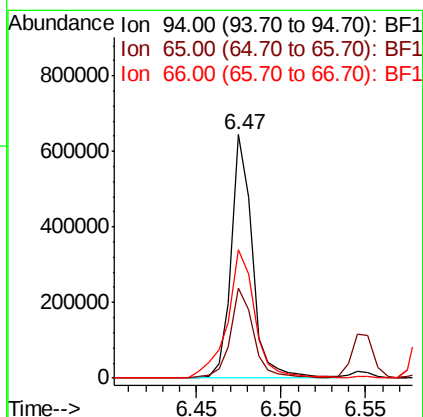
RT: 6.47 min Scan# 746

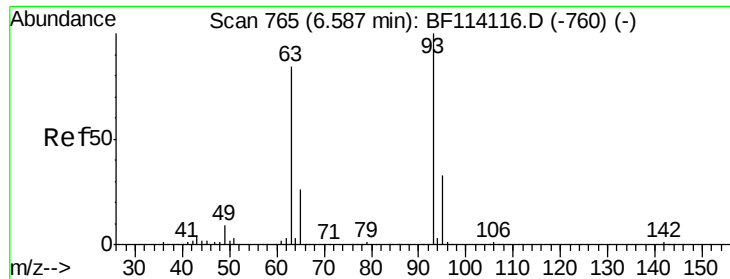
Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	94	Resp:	560348
Ion	Ratio	Lower	Upper
94	100		
65	37.1	14.7	54.7
66	52.9	29.6	69.6





#11

bis(2-Chloroethyl)ether

Concen: 39.111 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

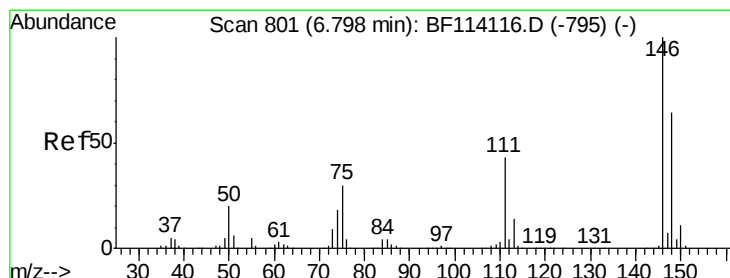
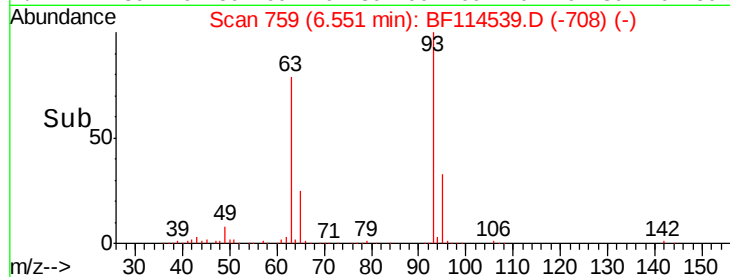
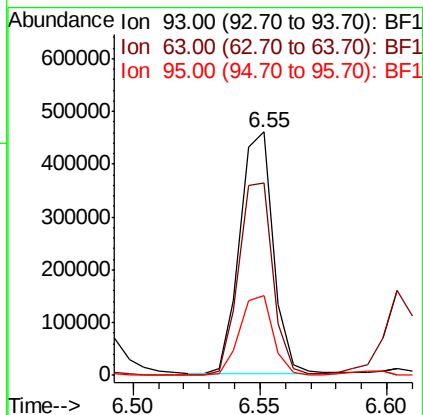
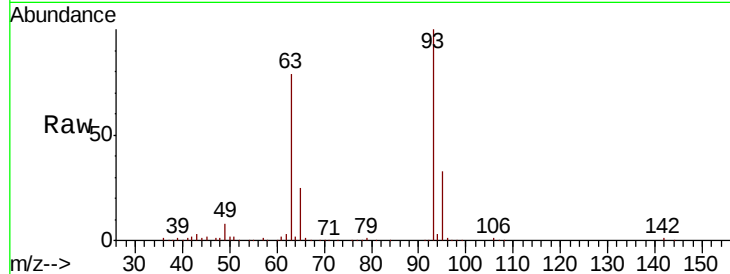
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	93	Resp:	419875
Ion Ratio	Lower	Upper	
93	100		
63	79.3	63.6	103.6
95	33.0	13.1	53.1

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#12

1,3-Dichlorobenzene

Concen: 36.693 ng

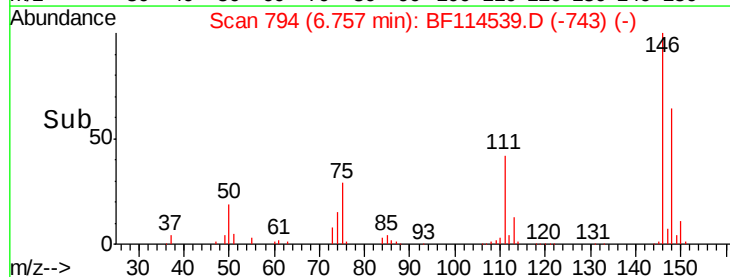
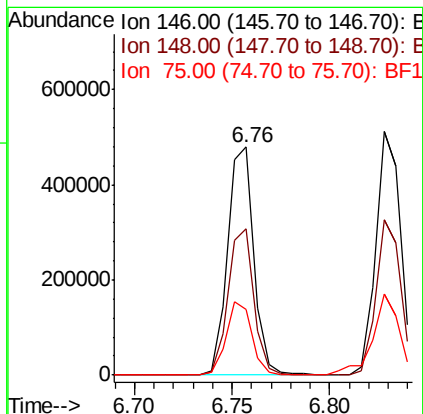
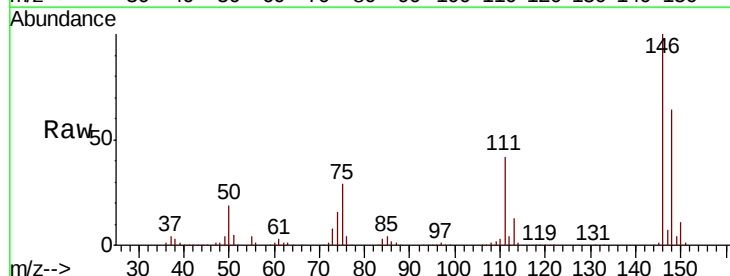
RT: 6.76 min Scan# 794

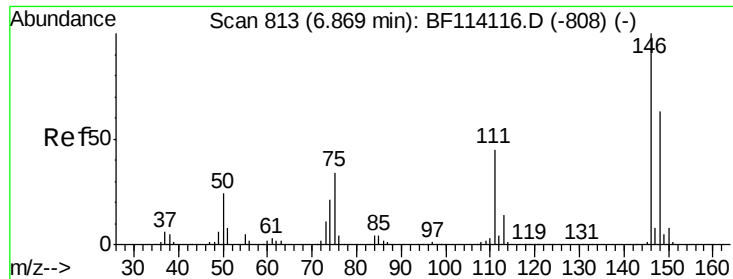
Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	146	Resp:	446884
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.6	77.4
75	28.8	24.2	36.2





#13

1,4-Dichlorobenzene

Concen: 37.474 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

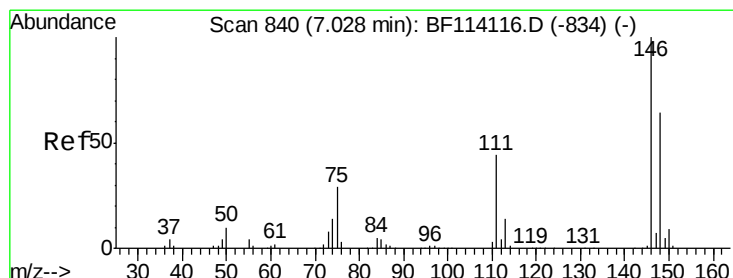
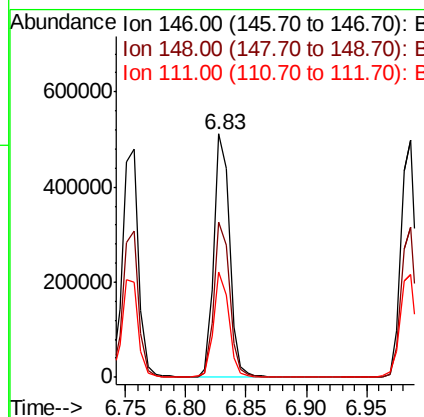
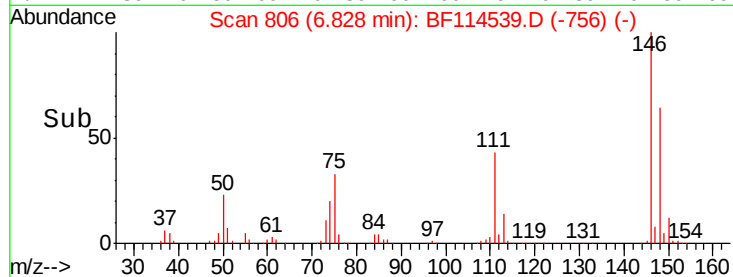
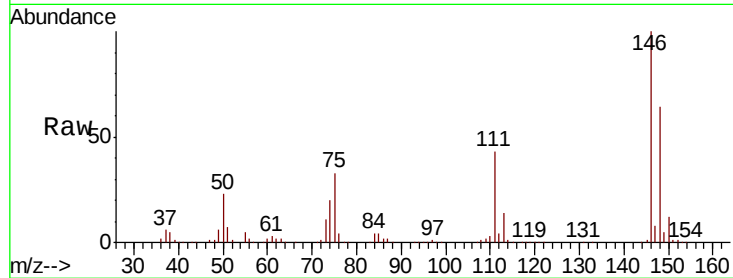
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	146	Resp:	459907
Ion Ratio	Lower	Upper	
146	100		
148	63.7	50.2	75.2
111	43.1	35.8	53.6

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#14

1,2-Dichlorobenzene

Concen: 38.313 ng

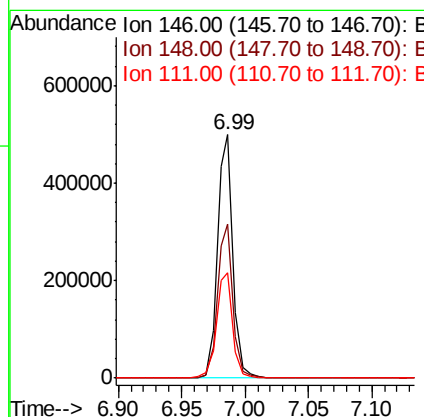
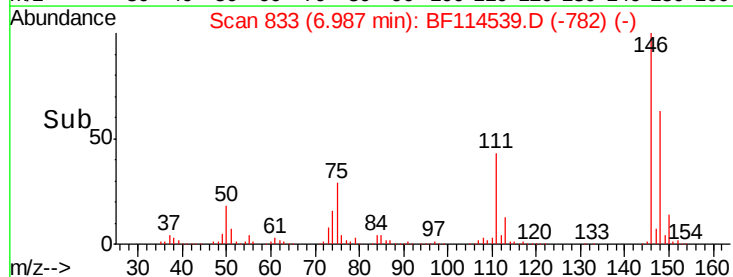
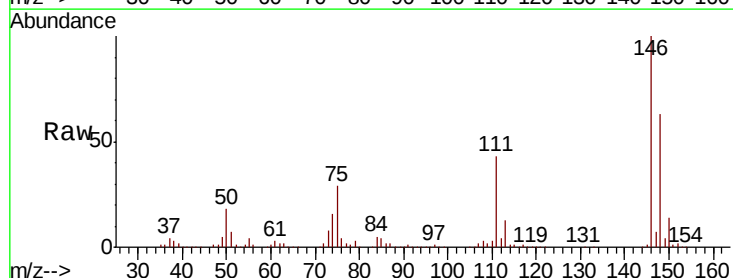
RT: 6.99 min Scan# 833

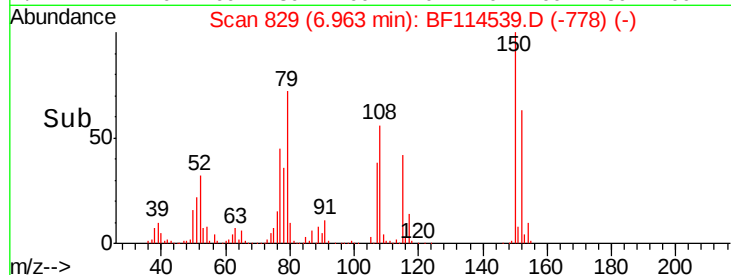
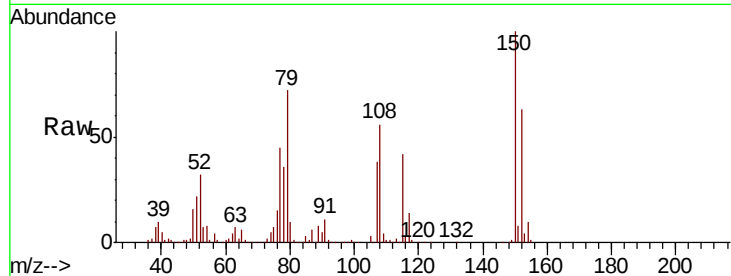
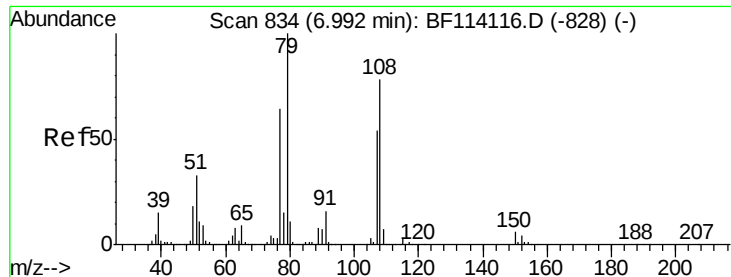
Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	146	Resp:	429575
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.1	76.7
111	43.3	35.3	52.9





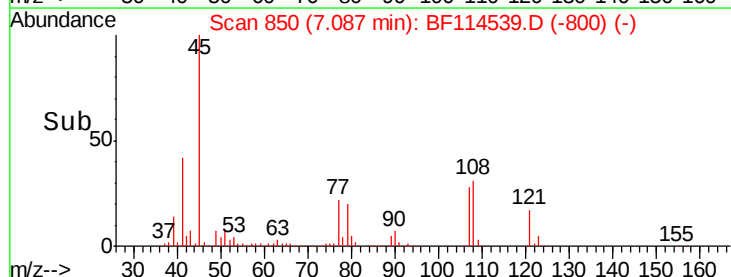
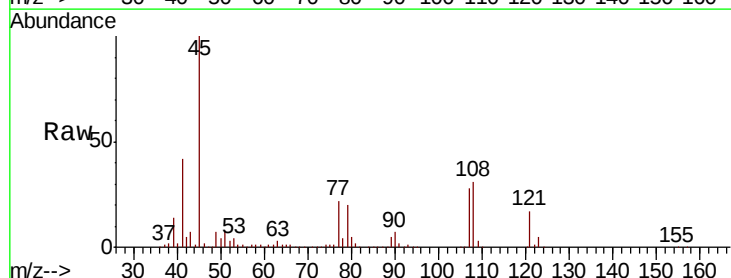
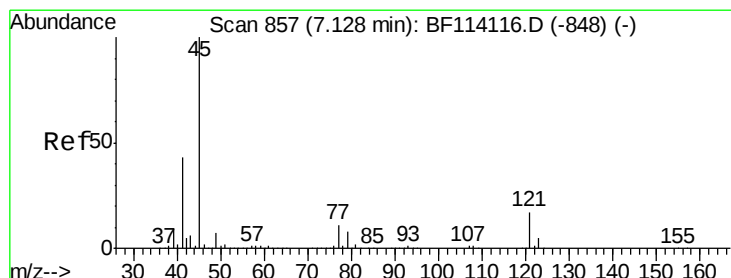
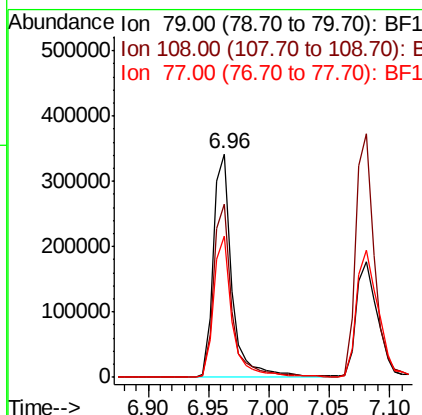
#15
Benzyl Alcohol
Concen: 38.678 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.1	93.1
77	63.3	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

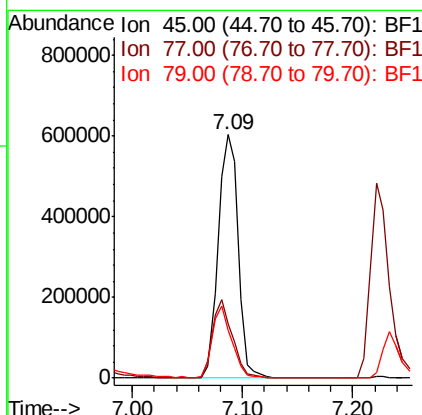
Manual Integrations
APPROVED

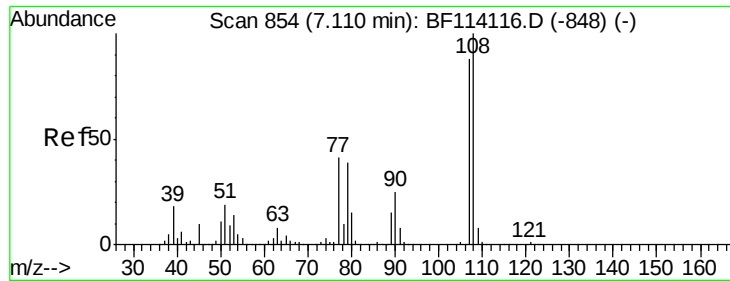
mohammad
5/24/2019 1:36:39 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.435 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
45	100		
77	22.2	0.0	31.1
79	19.6	0.0	28.4





#17

2-Methylphenol

Concen: 39.183 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

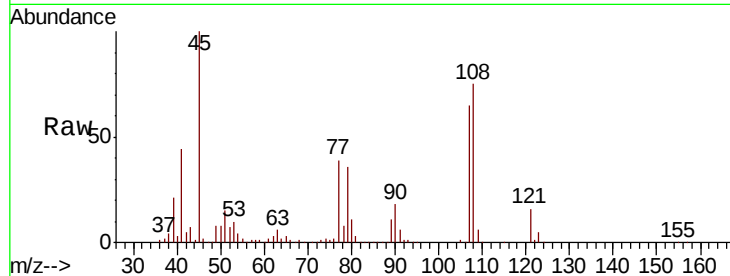
ClientSampleId :

COMP-5.8.19MSD

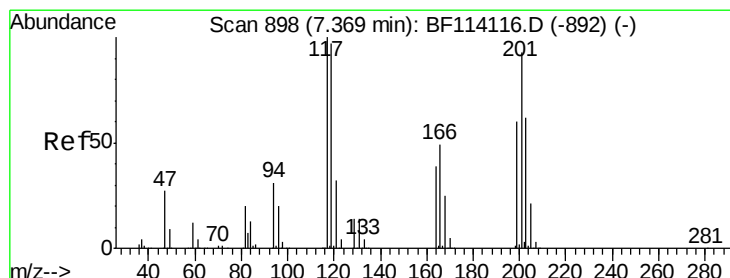
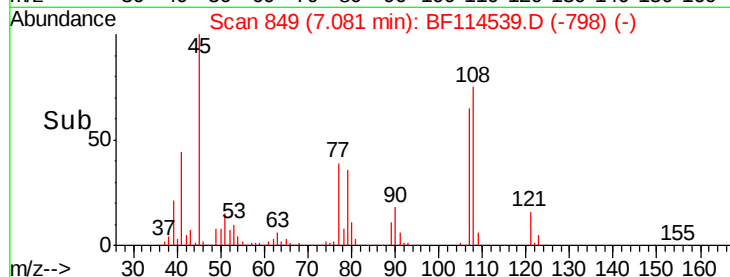
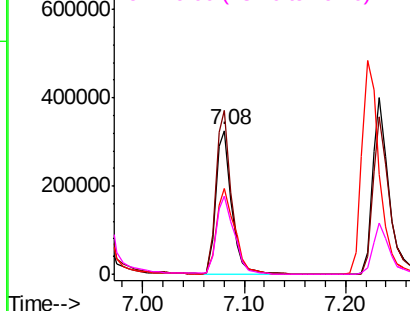
Tot Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.5	135.7
77	59.6	37.0	55.4#
79	54.4	35.8	53.8#

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 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: 36.045 ng

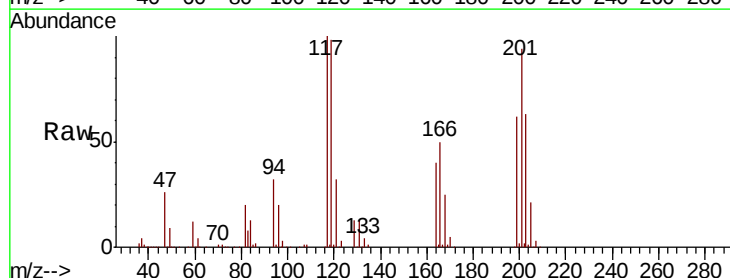
RT: 7.32 min Scan# 890

Delta R.T. -0.00 min

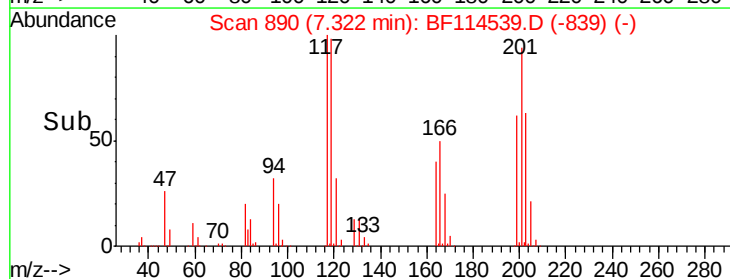
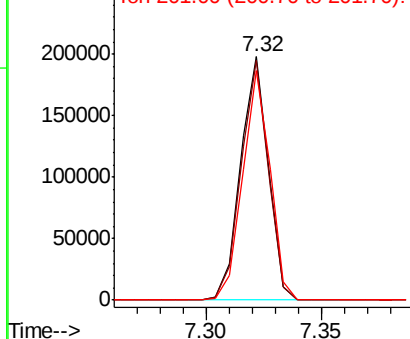
Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.4	116.2
201	94.2	74.5	111.7



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





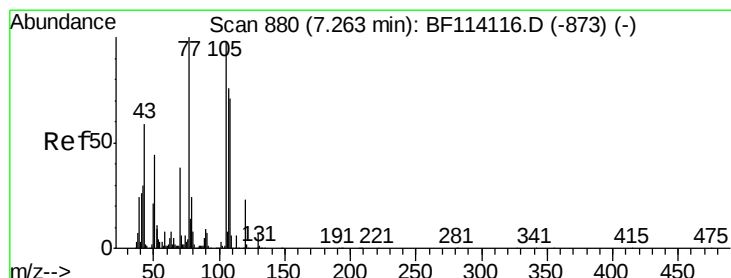
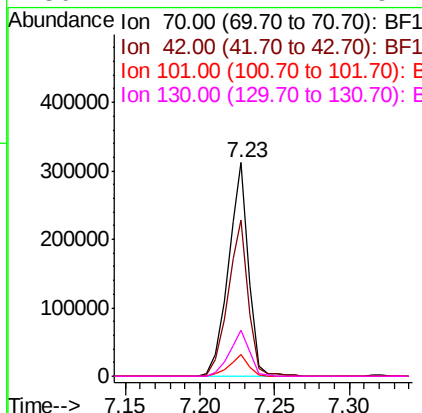
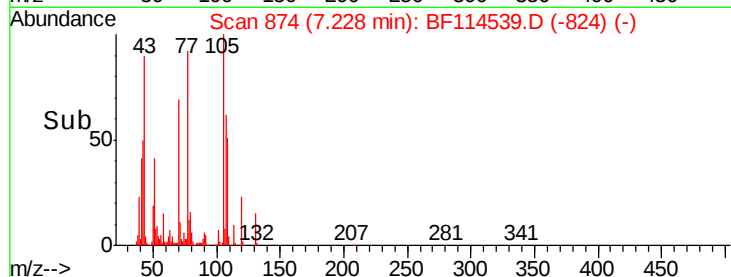
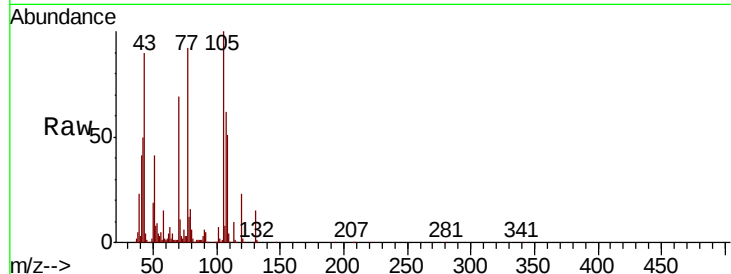
#19
n-Nitroso-di-n-propylamine
Concen: 39.075 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	72.9	58.6	87.8
101	9.9	7.8	11.8
130	21.4	17.1	25.7

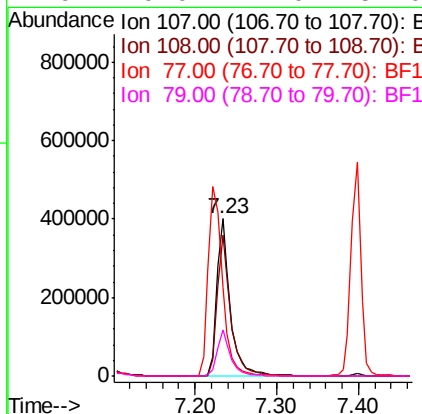
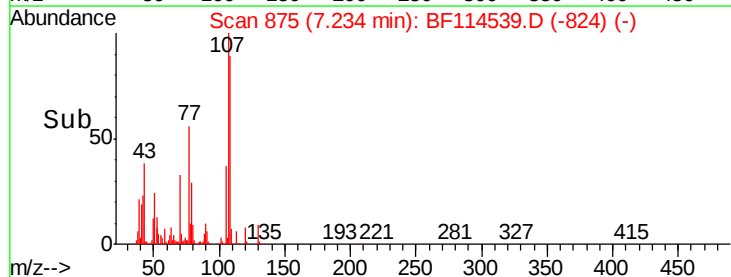
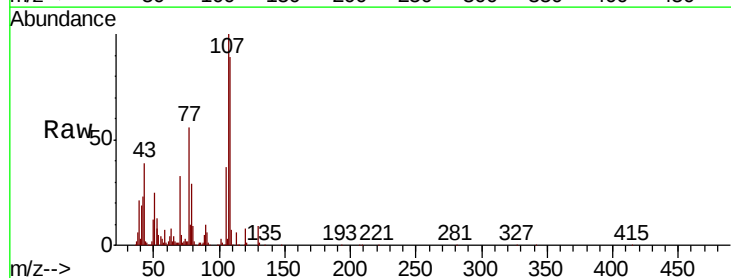
Manual Integrations
APPROVED

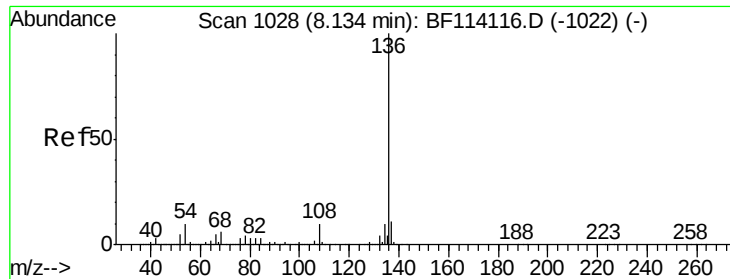
mohammad
5/24/2019 1:36:39 PM



#20
3+4-Methylphenols
Concen: 44.436 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	73.8	113.8
77	56.2	111.5	151.5#
79	29.0	12.0	52.0





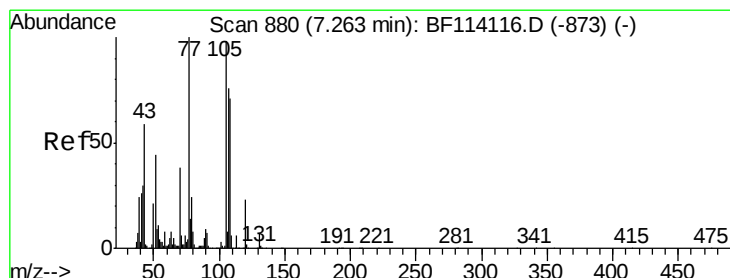
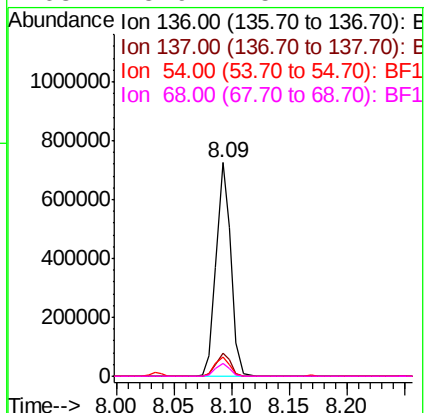
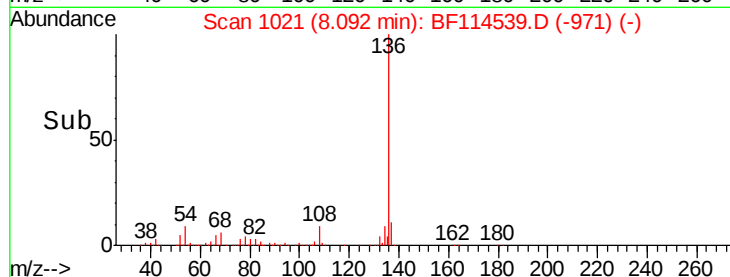
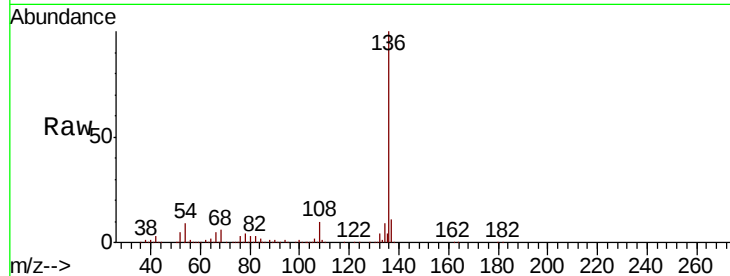
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	637693		
137	10.9		8.8	13.2
54	9.2		7.8	11.8
68	5.9		5.1	7.7

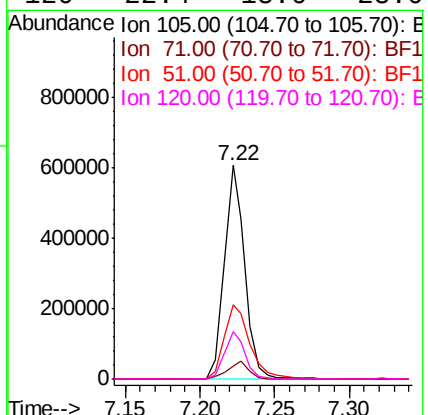
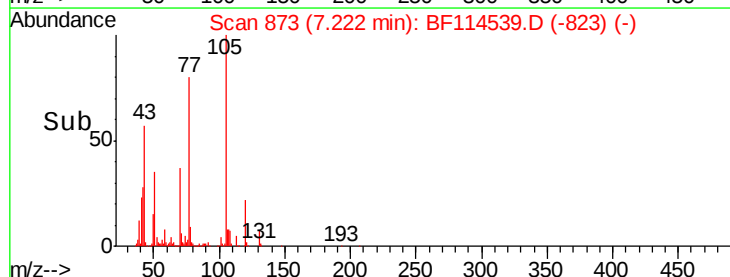
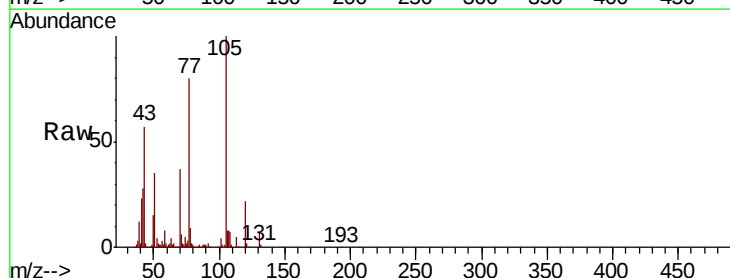
Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#22
Acetophenone
Concen: 41.388 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	584682		
71	6.1		5.3	7.9
51	34.6		36.2	54.4#
120	22.4		18.6	28.0





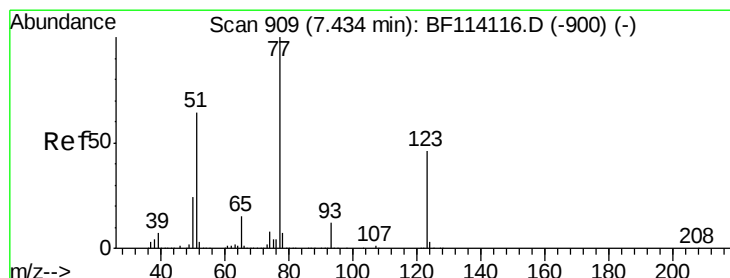
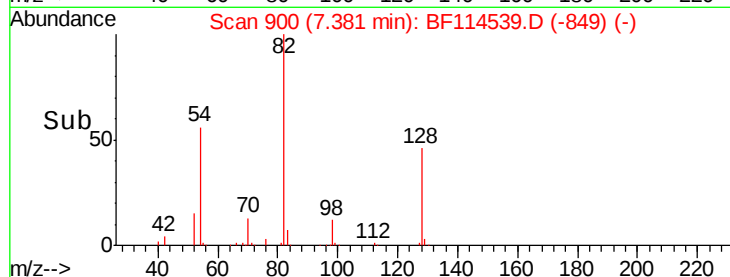
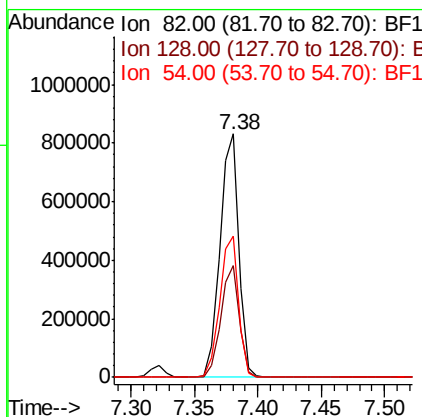
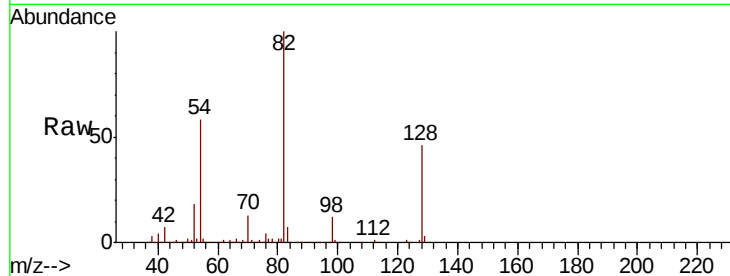
#23
Nitrobenzene-d5
Concen: 75.769 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	860961		
128	45.9	35.5	53.3	
54	58.1	48.5	72.7	

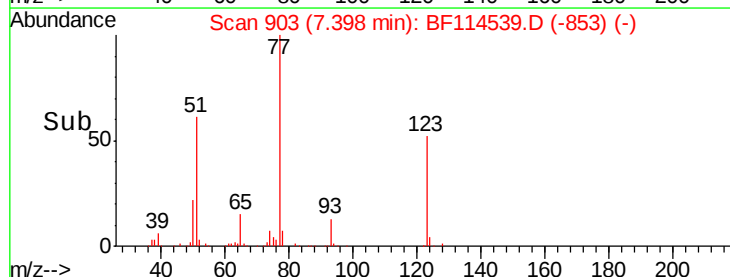
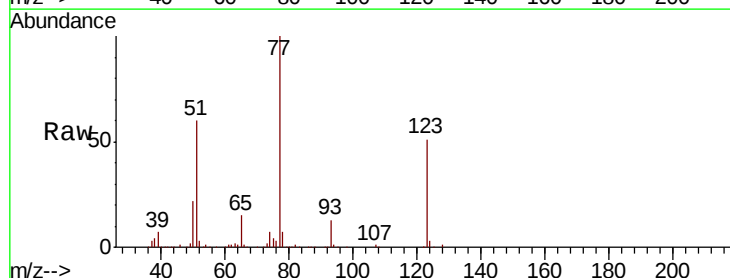
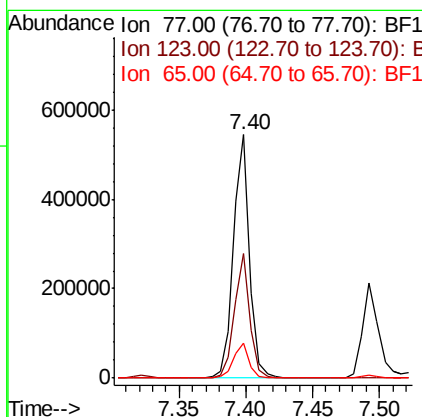
Manual Integrations
APPROVED

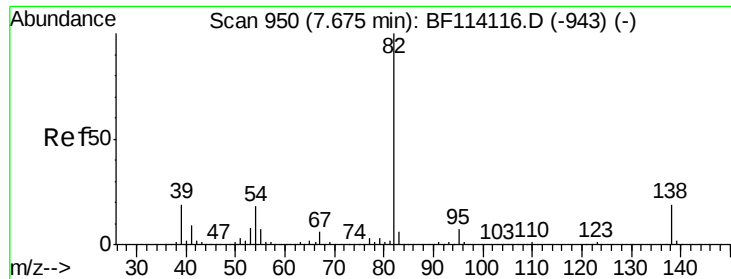
mohammad
5/24/2019 1:36:39 PM



#24
Nitrobenzene
Concen: 39.799 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	460604		
123	51.3	36.9	55.3	
65	14.5	11.8	17.6	





#25

Isophorone

Concen: 40.398 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

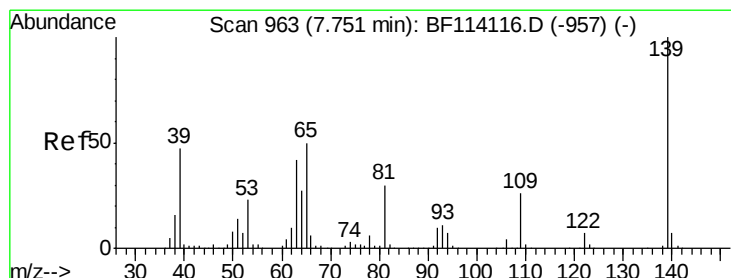
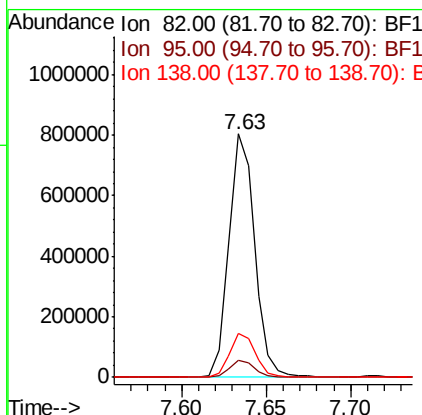
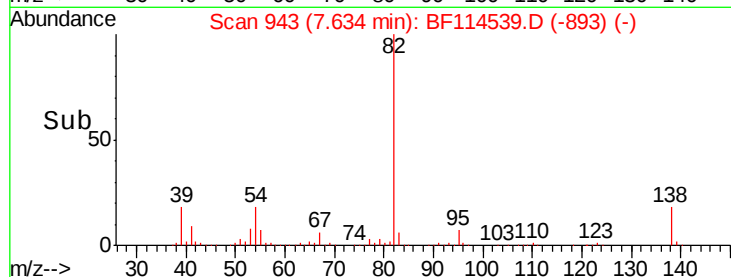
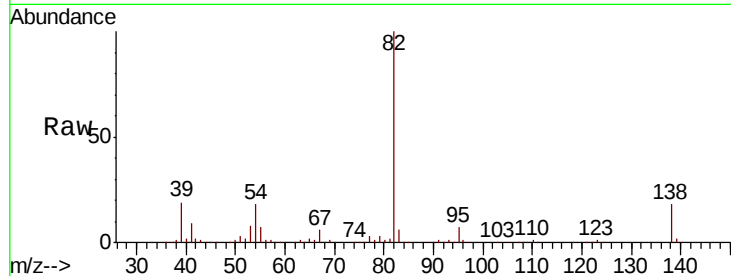
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	82	Resp:	851339
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.6	8.4
138	17.9	14.8	22.2

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#26

2-Nitrophenol

Concen: 43.189 ng

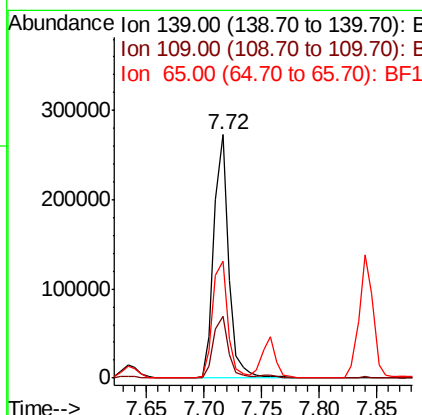
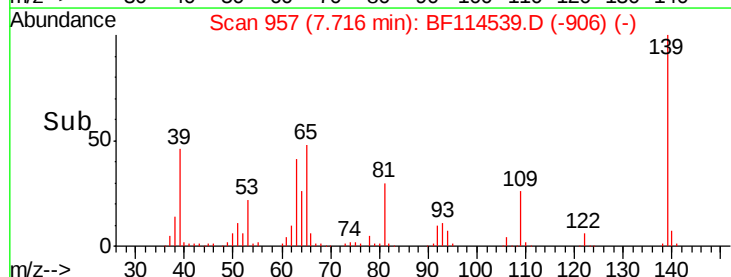
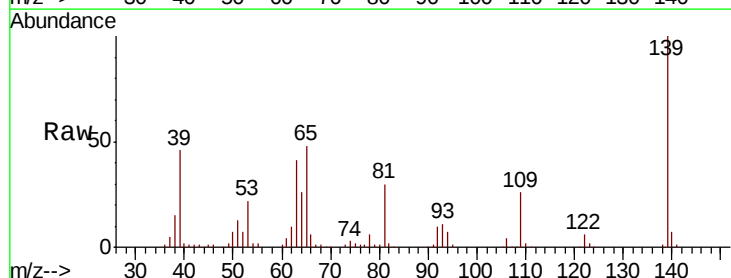
RT: 7.72 min Scan# 957

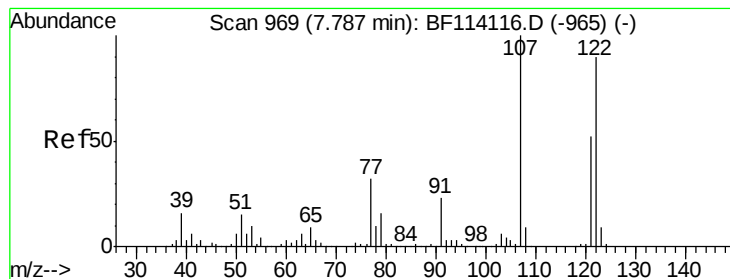
Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	139	Resp:	242503
Ion Ratio	Lower	Upper	
139	100		
109	25.6	20.7	31.1
65	48.3	40.2	60.2





#27

2,4-Dimethylphenol

Concen: 43.312 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

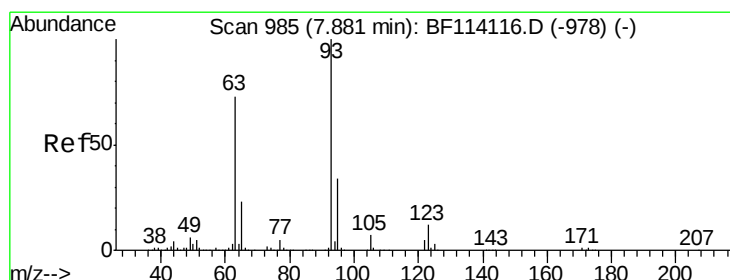
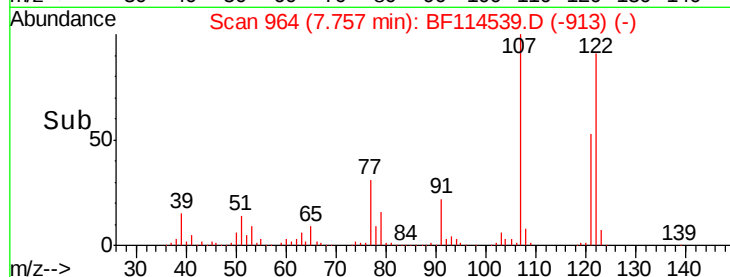
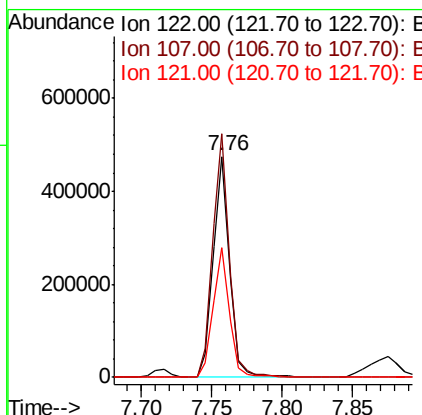
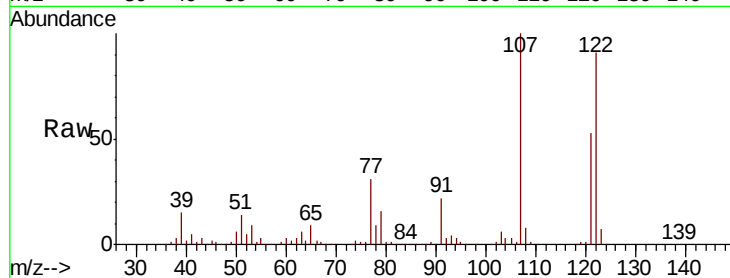
ClientSampled :

COMP-5.8.19MSD

Tot Ion:	122	Resp:	381956
Ion Ratio	Lower	Upper	
122	100		
107	110.4	88.4	132.6
121	58.5	45.9	68.9

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#28

bis(2-Chloroethoxy)methane

Concen: 39.103 ng

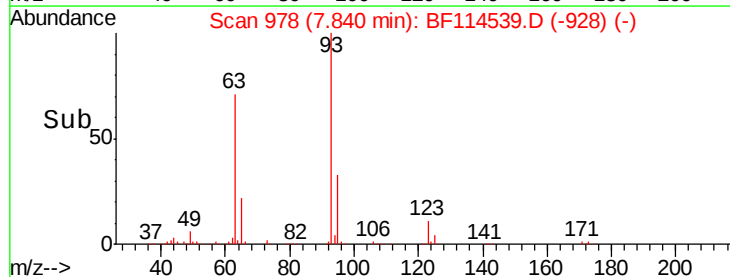
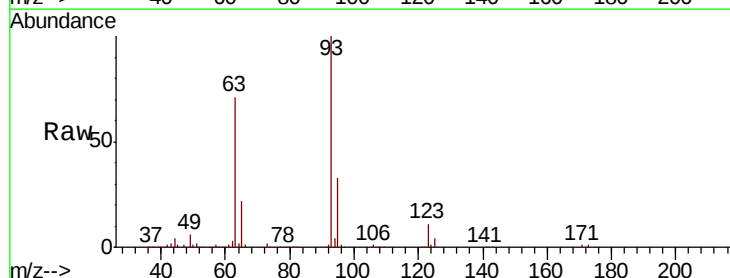
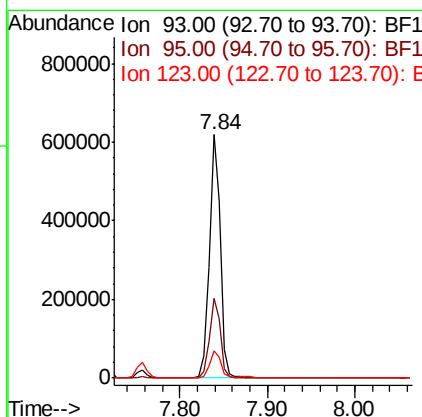
RT: 7.84 min Scan# 978

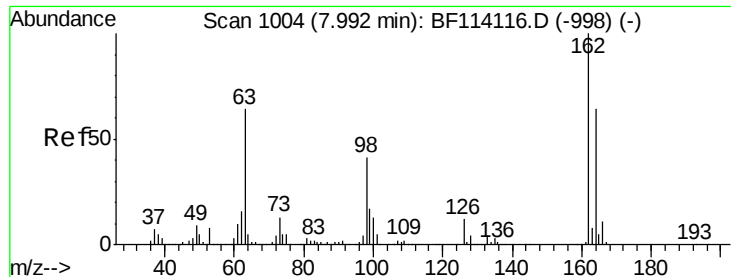
Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	93	Resp:	534680
Ion Ratio	Lower	Upper	
93	100		
95	33.0	26.8	40.2
123	11.4	9.5	14.3





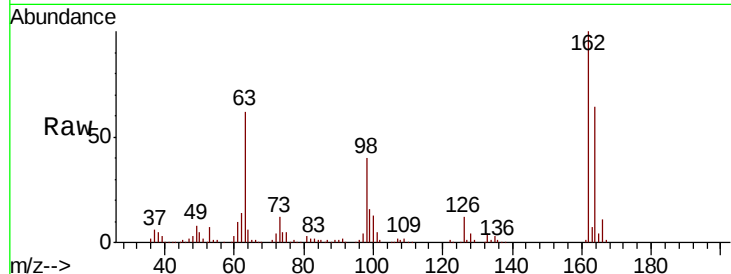
#29
2,4-Dichlorophenol
Concen: 42.593 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

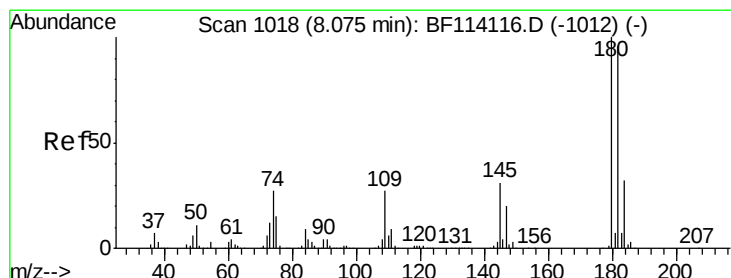
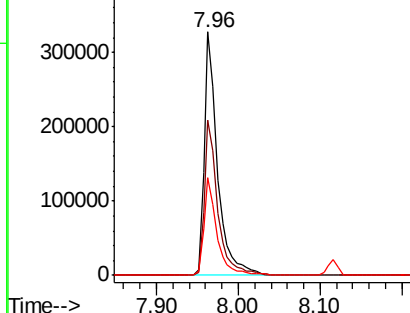
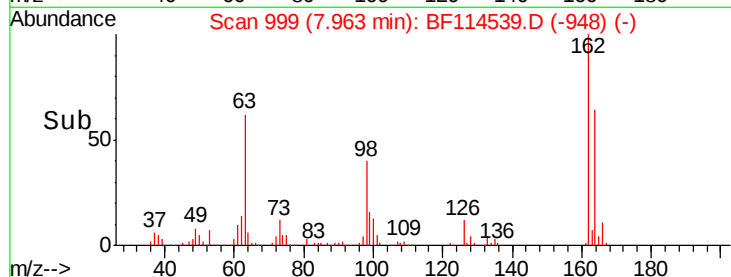
Tot Ion	Ratio	Resp	Lower	Upper
162	100	374028		
164	63.8	43.6	83.6	
98	40.0	20.6	60.6	

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM

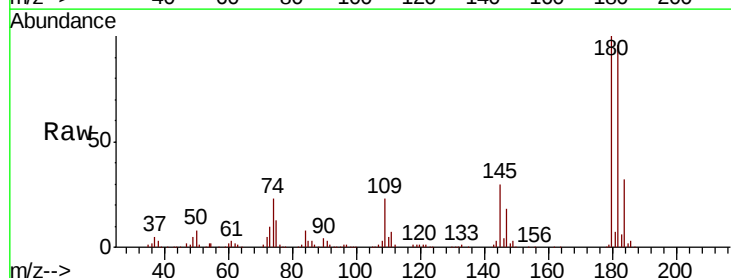


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

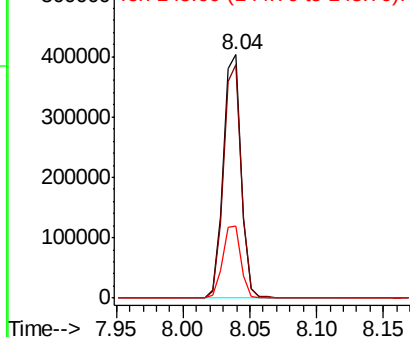
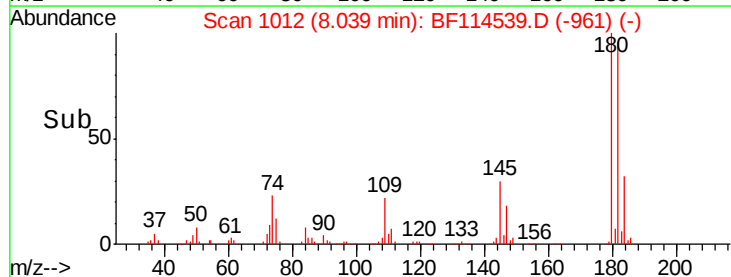


#30
1,2,4-Trichlorobenzene
Concen: 38.430 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	383747		
182	96.0	76.6	114.8	
145	29.8	25.1	37.7	



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





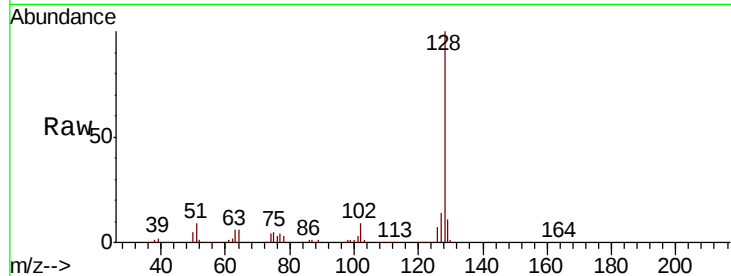
#31
Naphthalene
Concen: 41.638 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	13.6	11.3	16.9

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM

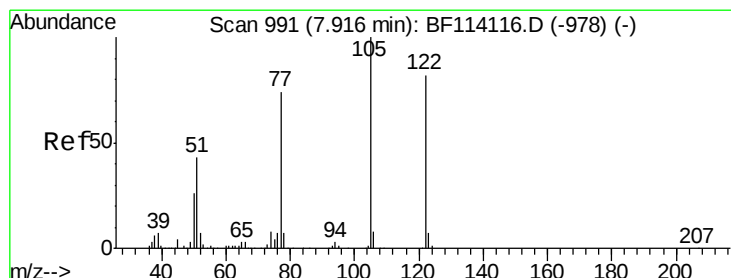
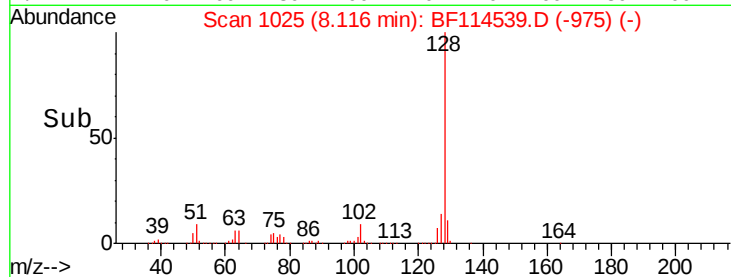
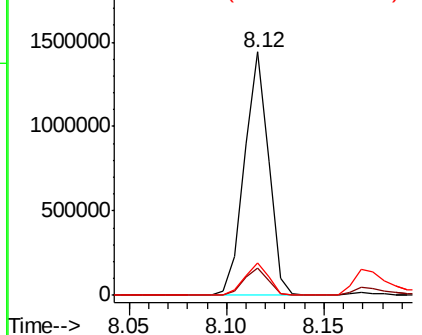


Abundance

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: 16.550 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.04 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

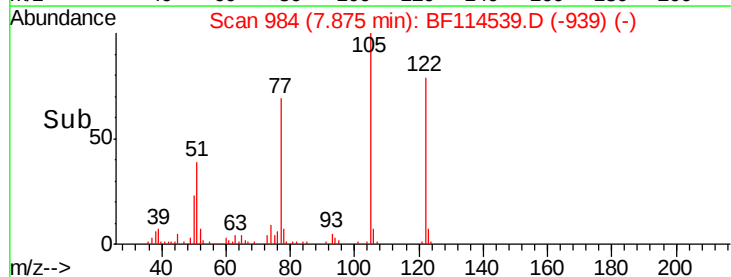
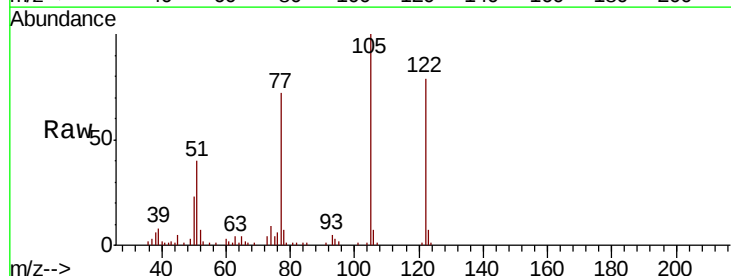
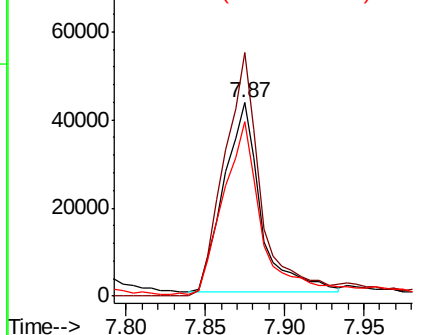
Tgt Ion	Ratio	Lower	Upper
122	100		
105	125.9	99.9	139.9
77	90.2	69.4	109.4

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





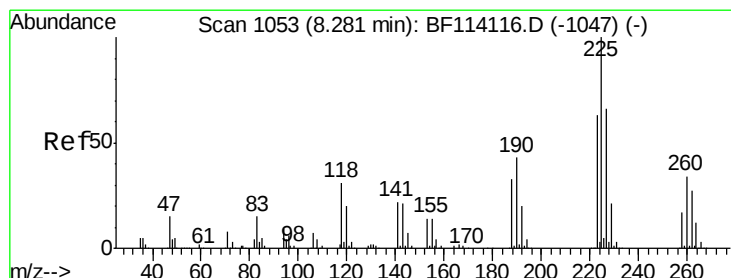
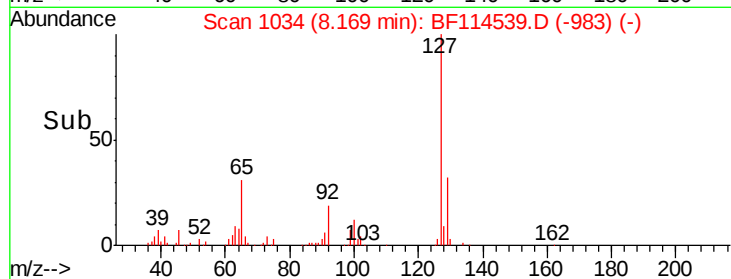
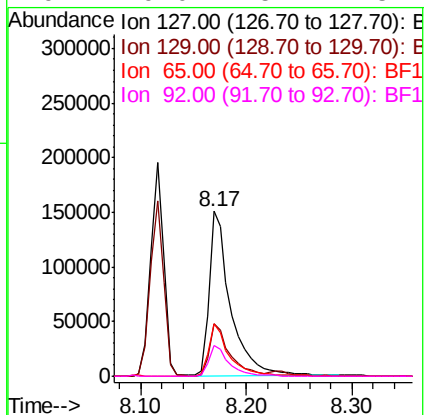
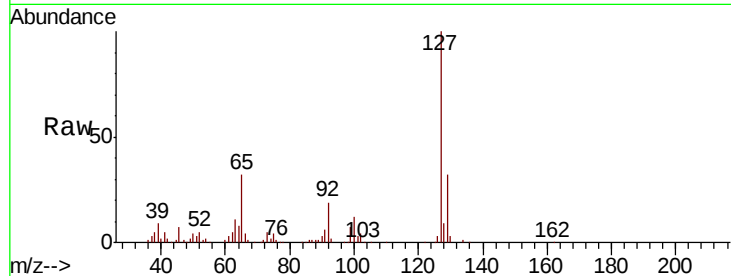
#33
4-Chloroaniline
Concen: 15.636 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.7	40.1	
65	32.2	25.4	38.0	
92	19.0	15.4	23.2	

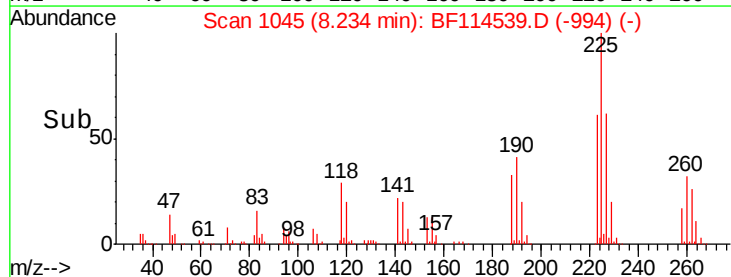
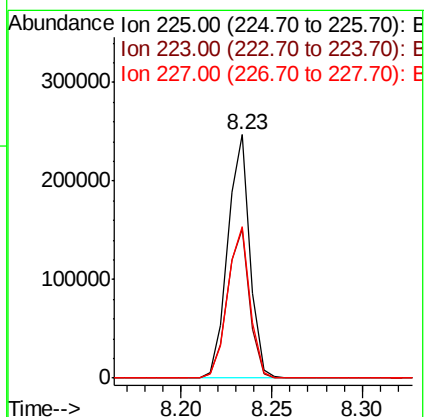
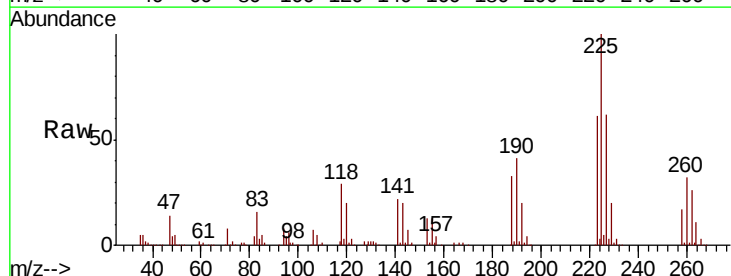
Manual Integrations
APPROVED

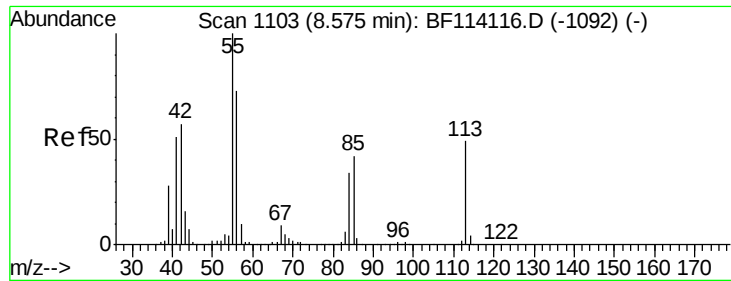
mohammad
5/24/2019 1:36:39 PM



#34
Hexachlorobutadiene
Concen: 36.820 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	50.2	75.2	
227	62.2	52.6	79.0	





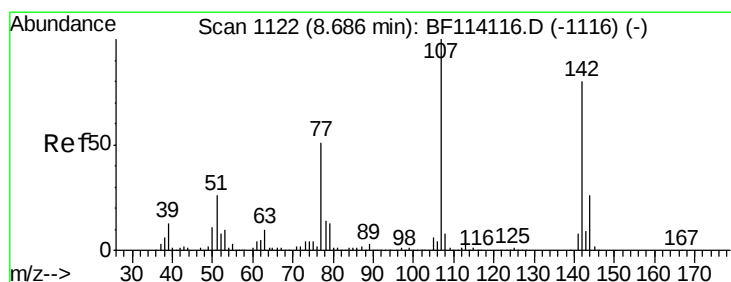
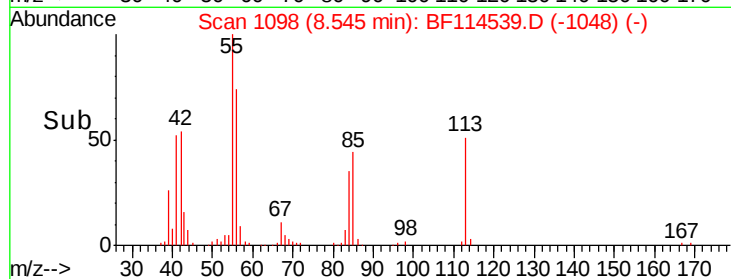
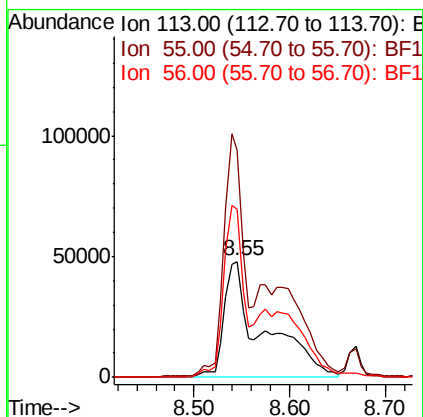
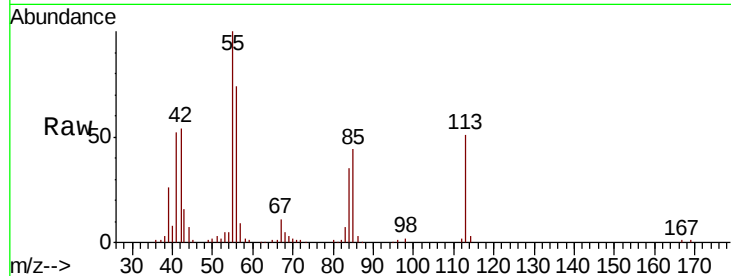
#35
Caprolactam
Concen: 47.220 ng/ml
RT: 8.55 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	195.0		183.5	223.5	
56	144.4		128.8	168.8	

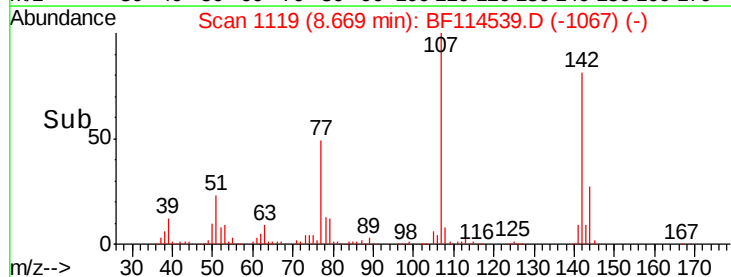
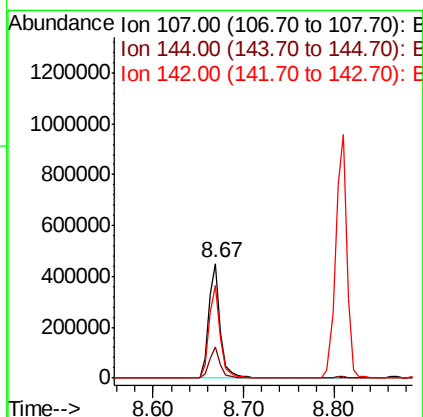
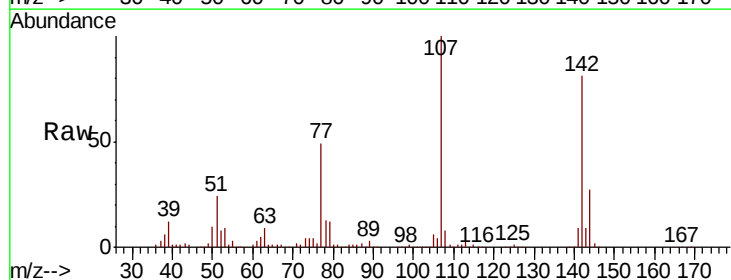
Manual Integrations
APPROVED

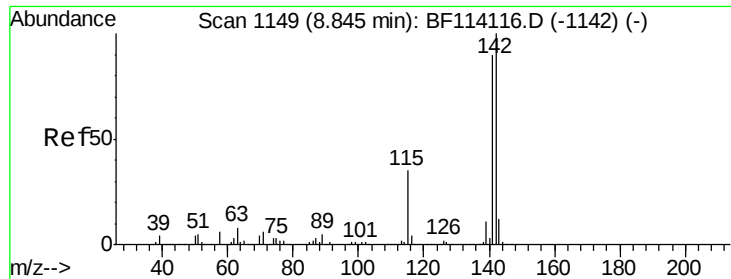
mohammad
5/24/2019 1:36:39 PM



#36
4-Chloro-3-methylphenol
Concen: 45.646 ng/ml
RT: 8.67 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	26.7		20.4	30.6	
142	81.3		64.2	96.4	





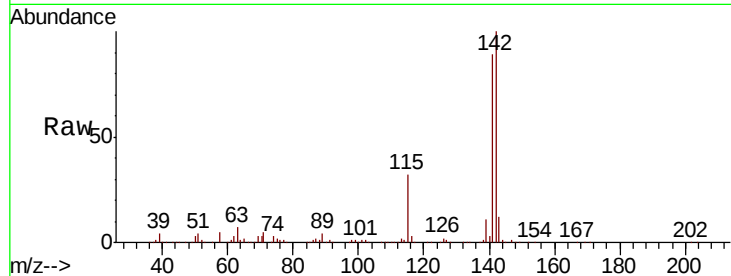
#37
2-Methylnaphthalene
Concen: 43.599 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.1	108.1
115	32.2	28.0	42.0

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM

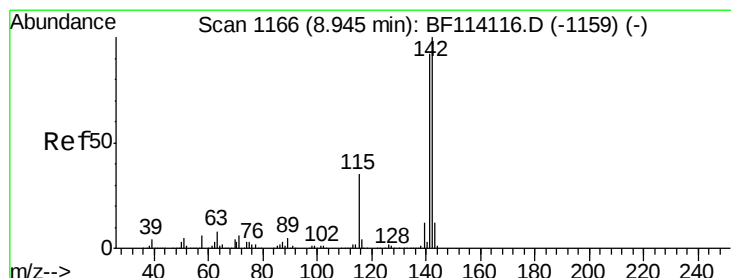
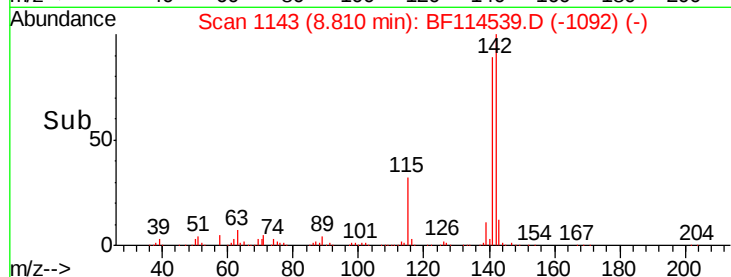
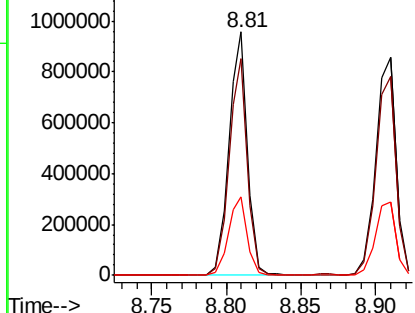


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 43.906 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

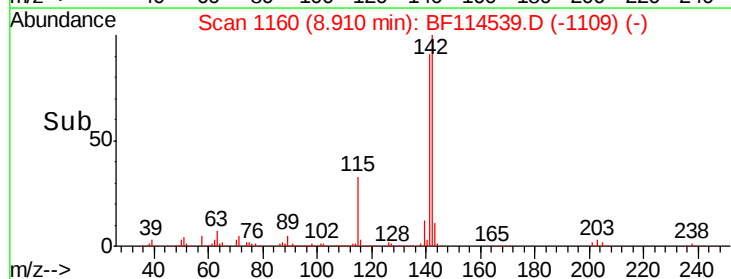
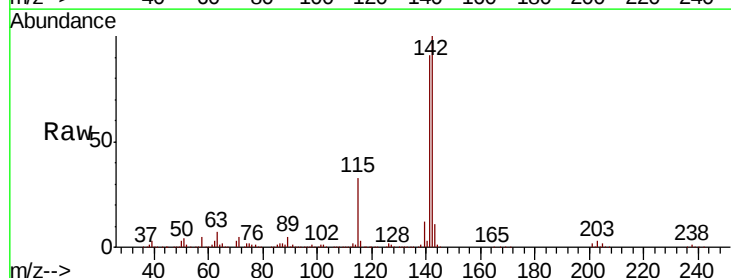
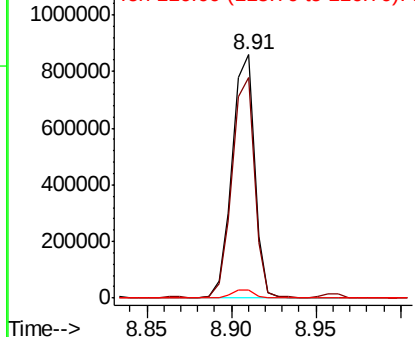
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.4	110.0
116	3.5	3.1	4.7

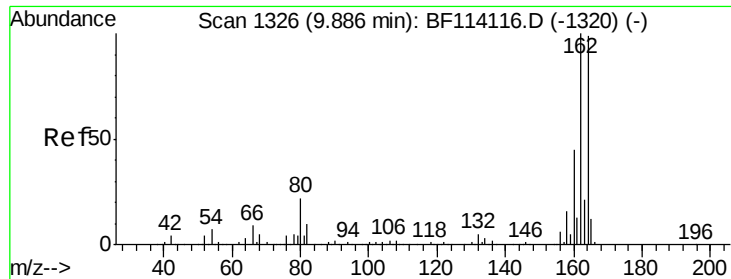
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





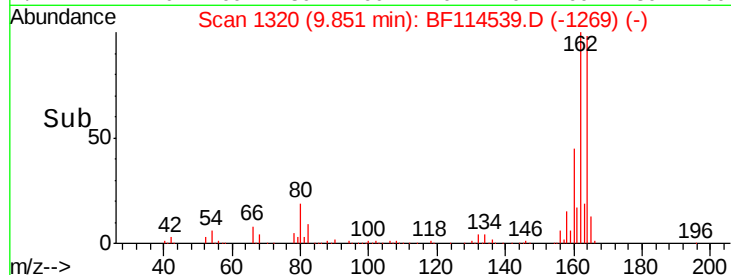
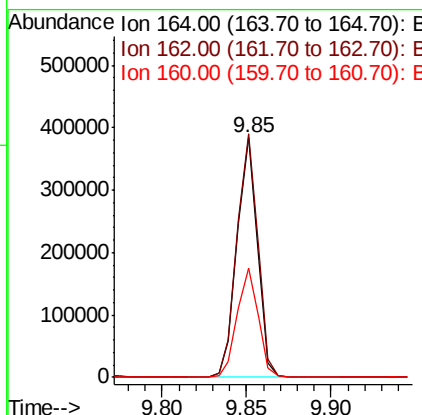
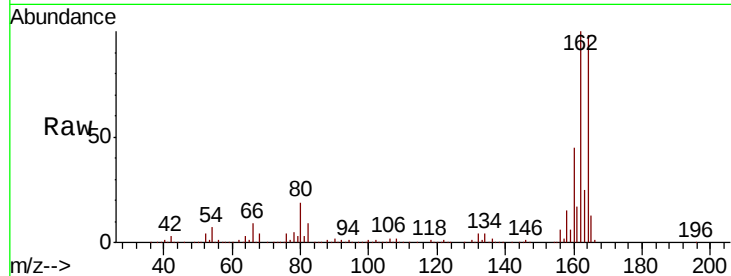
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	80.6	120.8	
160	45.8	36.5	54.7	

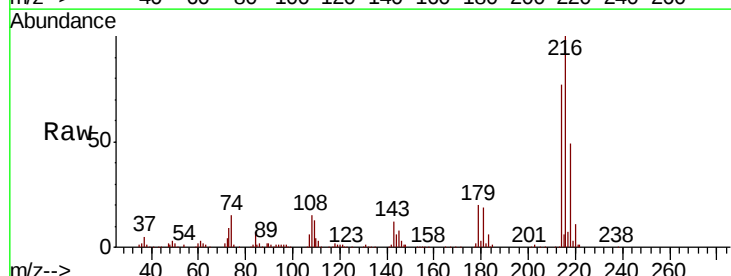
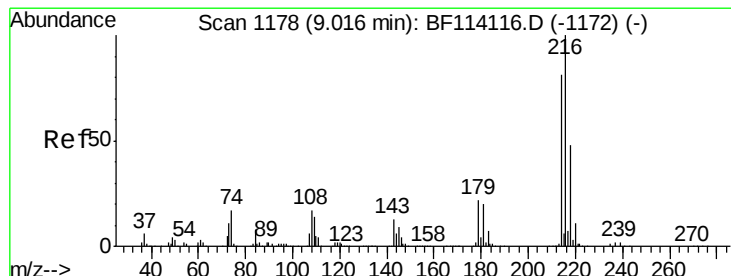
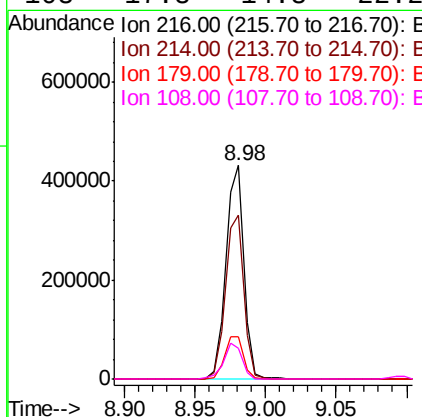
Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.118 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.1	63.9	95.9	
179	20.8	17.0	25.6	
108	17.8	14.8	22.2	





#41

Hexachlorocyclopentadiene

Concen: 23.164 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

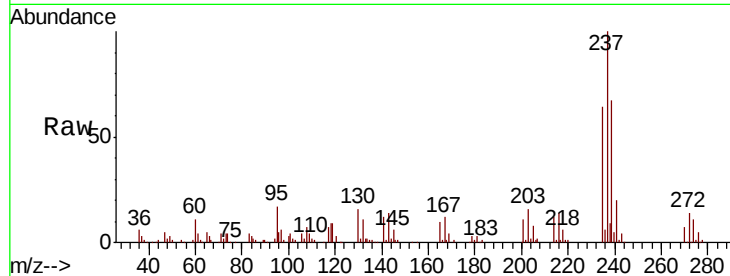
ClientSampleId :

COMP-5.8.19MSD

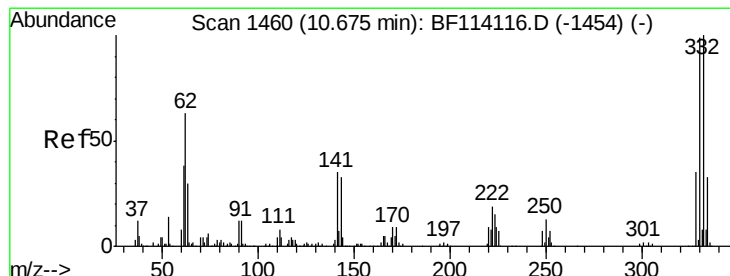
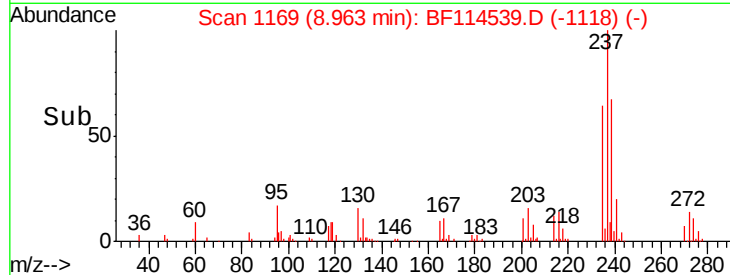
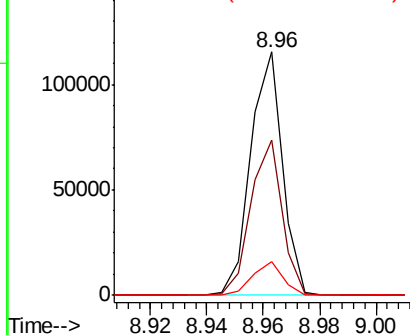
Tot Ion:	237	Resp:	90208
Ion Ratio	Lower	Upper	
237	100		
235	63.7	42.0	82.0
272	13.6	0.0	32.4

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 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: 115.041 ng

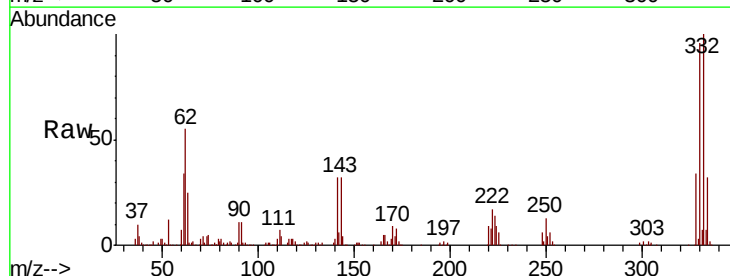
RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

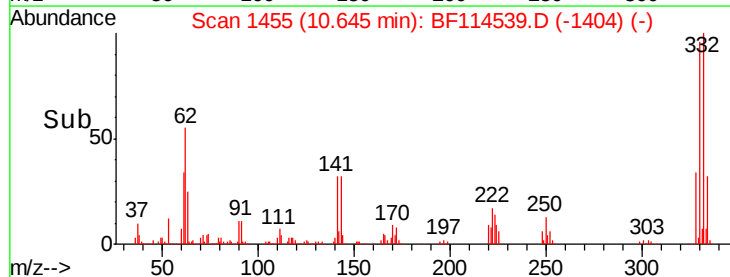
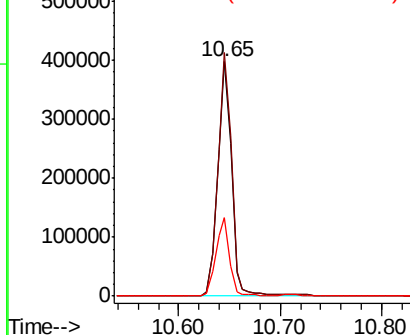
Lab File: BF114539.D

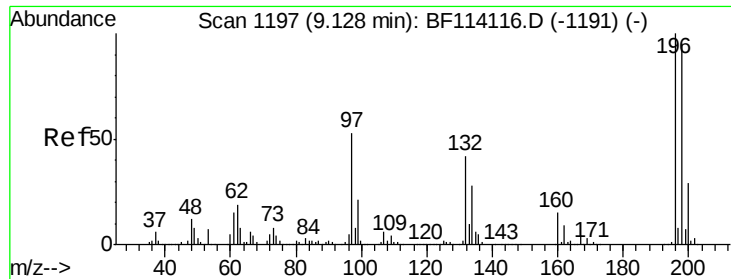
Acq: 23 May 2019 22:28

Tgt Ion:	330	Resp:	381715
Ion Ratio	Lower	Upper	
330	100		
332	102.9	81.4	122.2
141	33.0	26.6	40.0



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





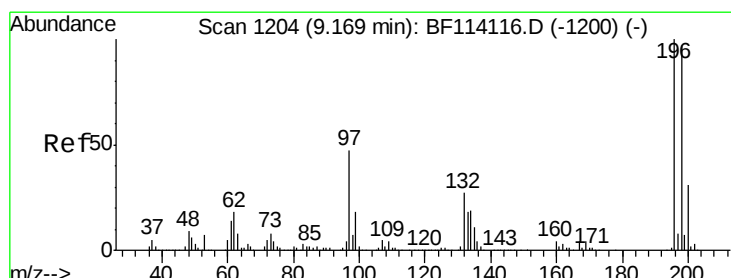
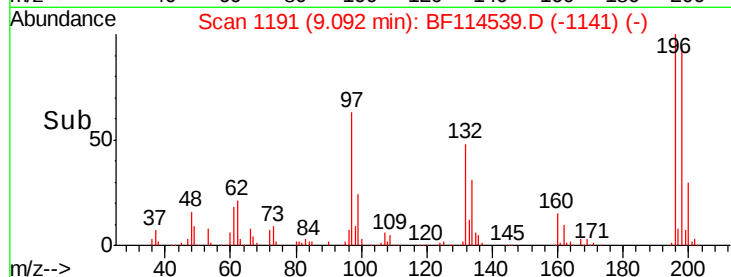
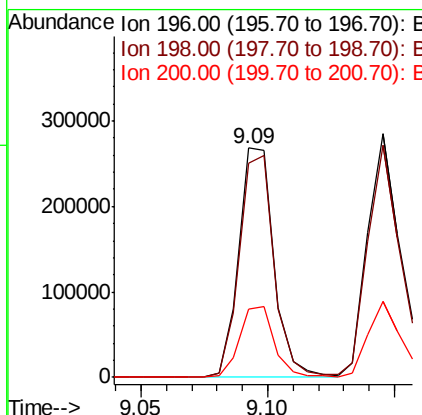
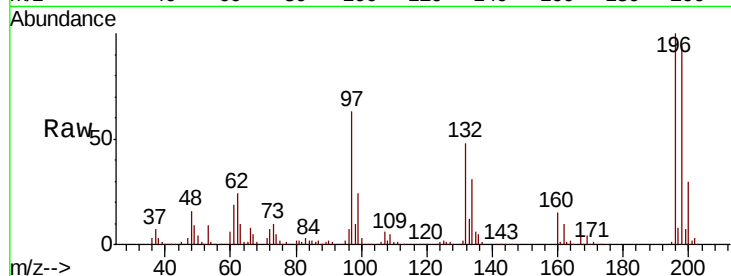
#43
 2,4,6-Trichlorophenol
 Concen: 38.663 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5.8.19MSD

Tot Ion:	196	Resp:	258549
Ion Ratio	Lower	Upper	
196	100		
198	93.6	75.9	113.9
200	29.9	23.5	35.3

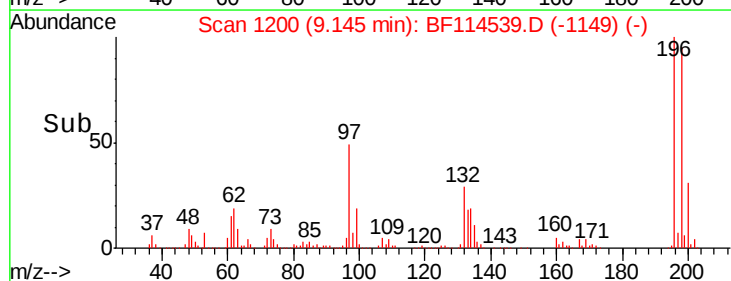
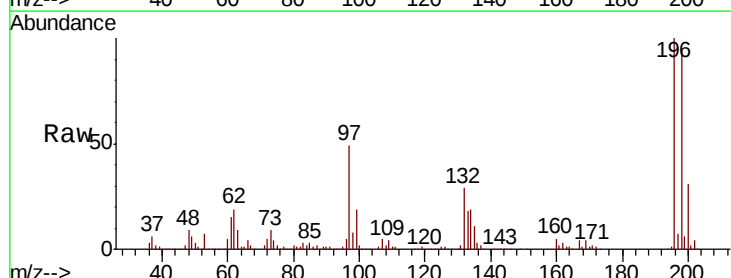
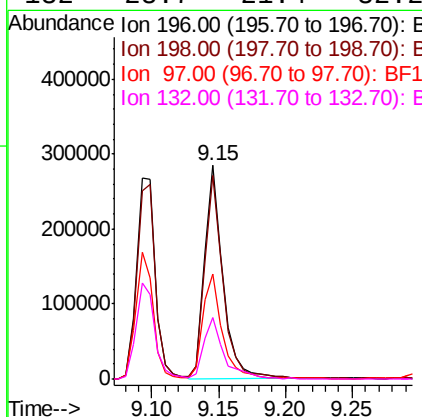
Manual Integrations
 APPROVED

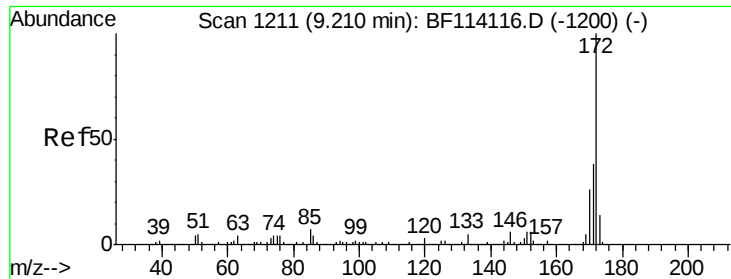
mohammad
 5/24/2019 1:36:39 PM



#44
 2,4,5-Trichlorophenol
 Concen: 39.835 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

Tgt Ion:	196	Resp:	273191
Ion Ratio	Lower	Upper	
196	100		
198	95.2	77.7	116.5
97	49.3	38.2	57.2
132	28.7	21.4	32.2





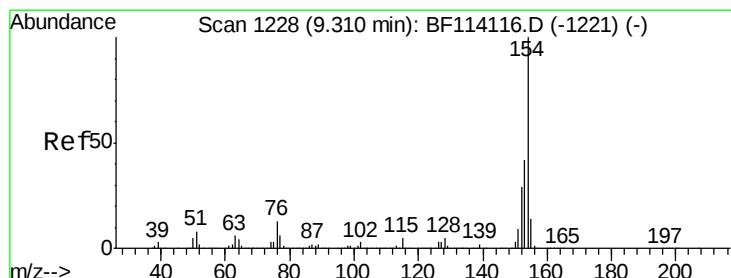
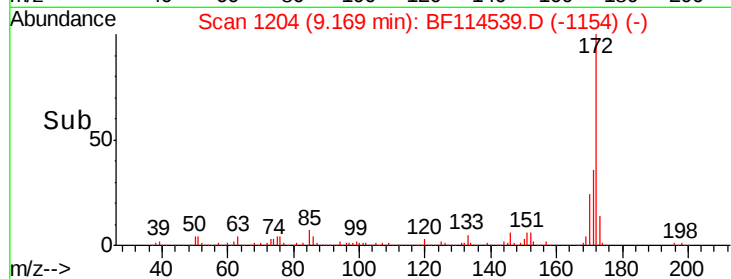
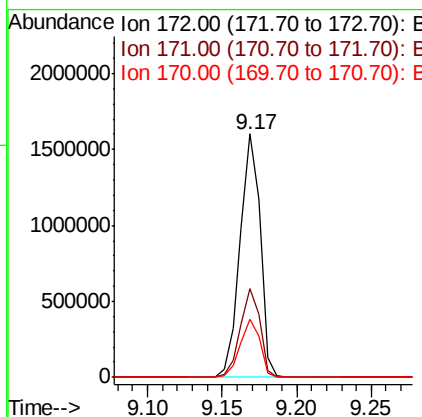
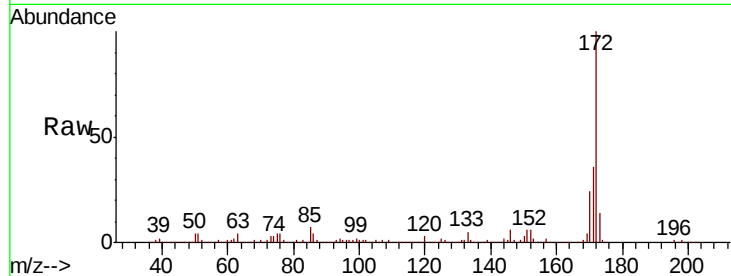
#45
2-Fluorobiphenyl
Concen: 71.194 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.7	46.1
170	24.0	20.5	30.7

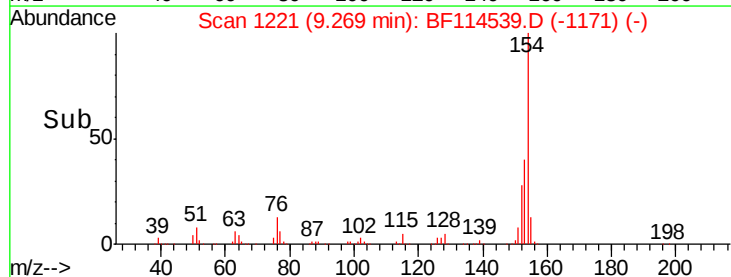
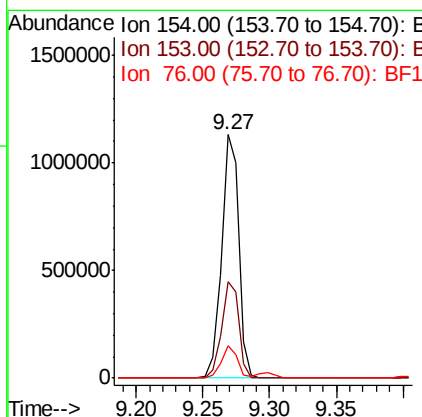
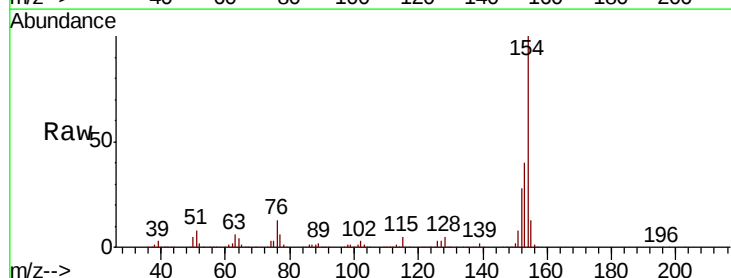
Manual Integrations
APPROVED

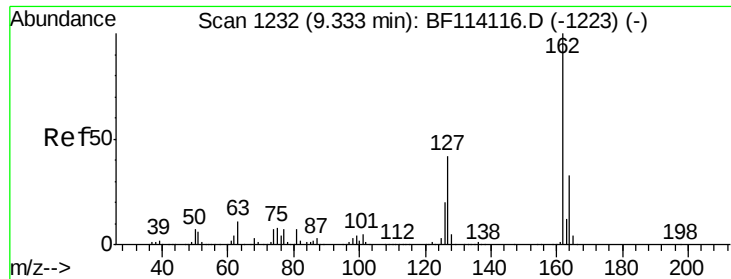
mohammad
5/24/2019 1:36:39 PM



#46
1,1'-Biphenyl
Concen: 39.599 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.9	61.9
76	13.1	0.0	32.8





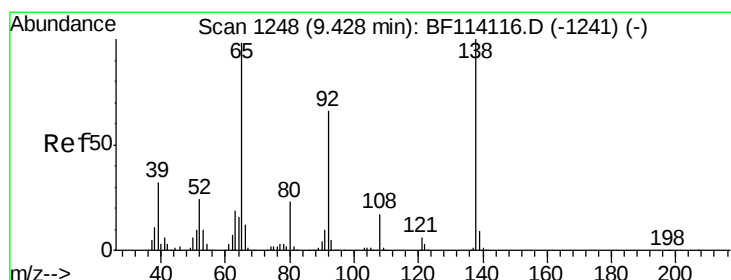
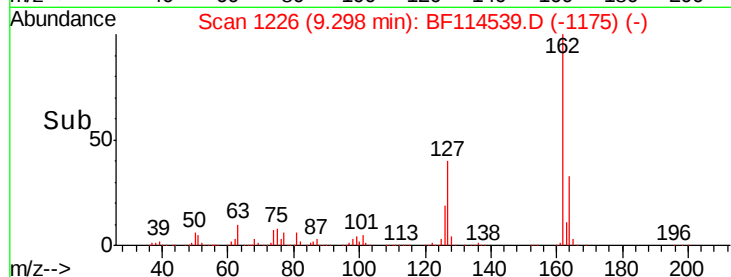
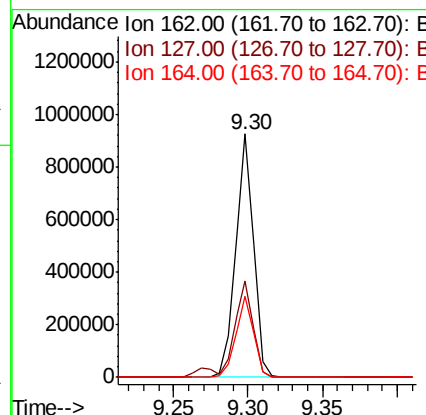
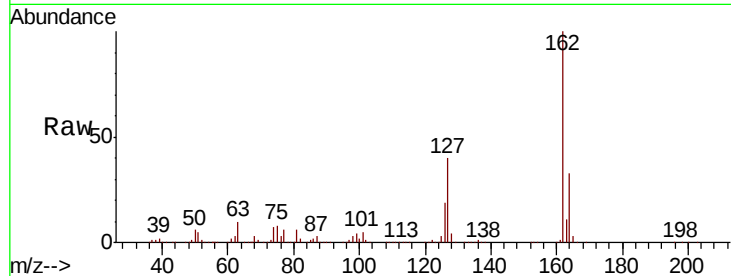
#47
 2-Chloronaphthalene
 Concen: 37.791 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5.8.19MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.8	34.0	51.0	
164	33.1	26.7	40.1	

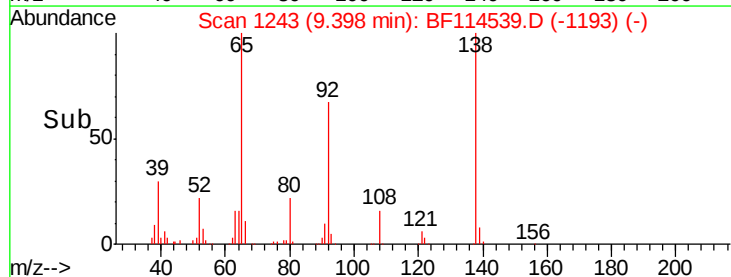
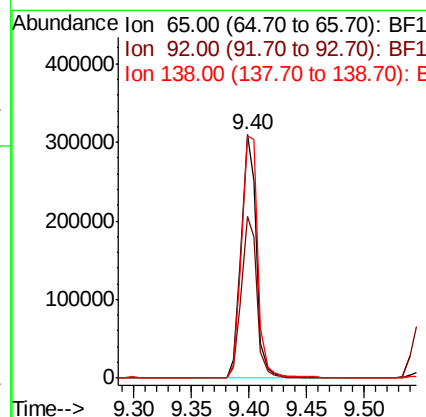
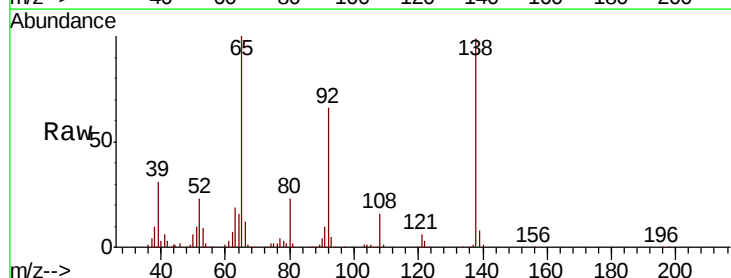
Manual Integrations
 APPROVED

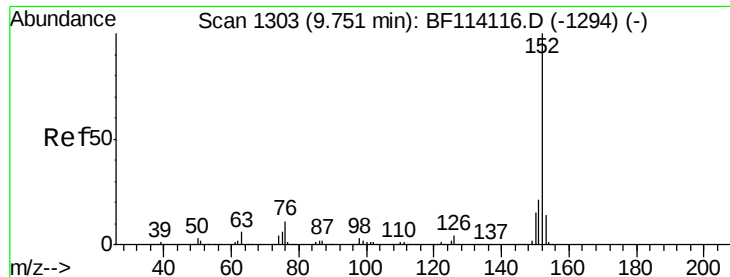
mohammad
 5/24/2019 1:36:39 PM



#48
 2-Nitroaniline
 Concen: 38.295 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	66.4	53.9	80.9	
138	99.5	81.4	122.0	





#49

Acenaphthylene

Concen: 39.883 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

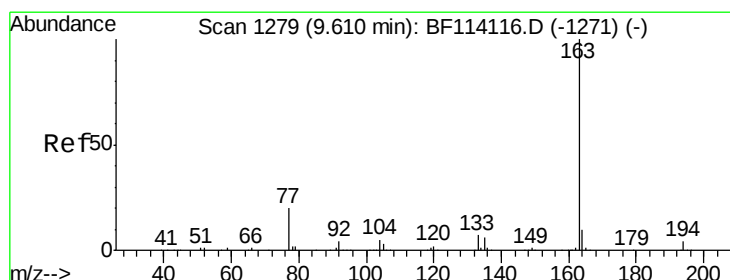
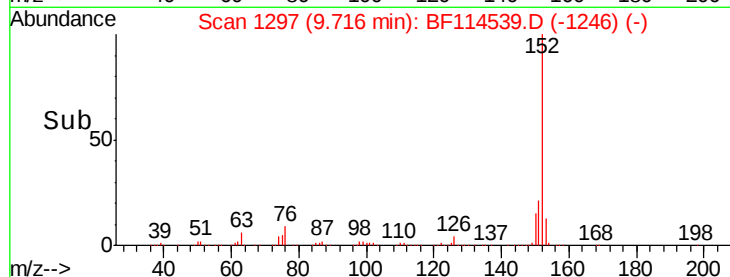
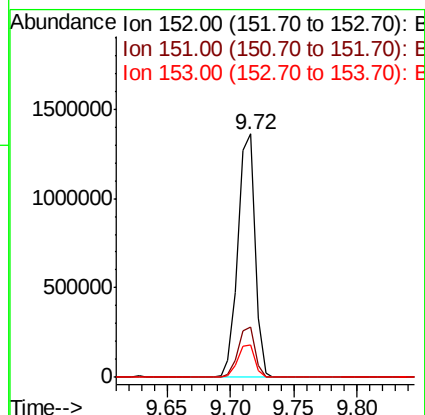
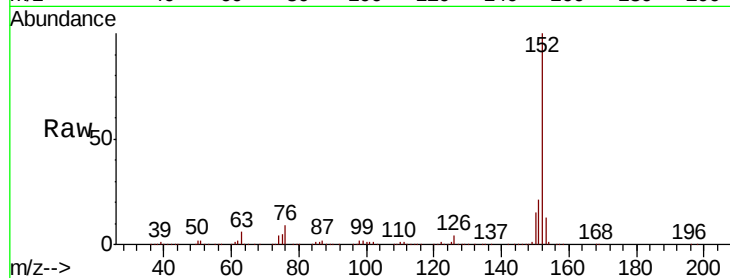
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	152	Resp:	1265792
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	13.5	11.4	17.2

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#50

Dimethylphthalate

Concen: 46.071 ng

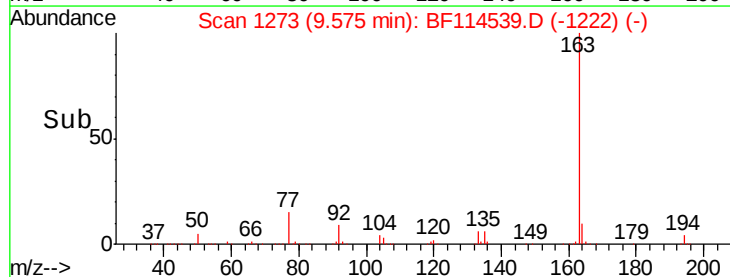
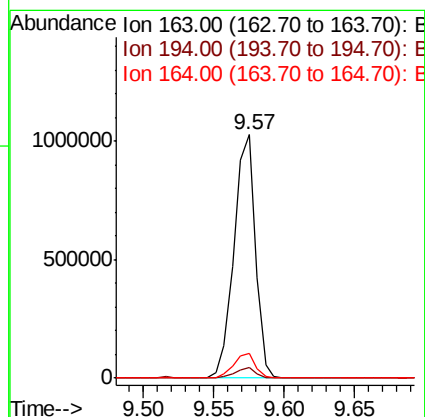
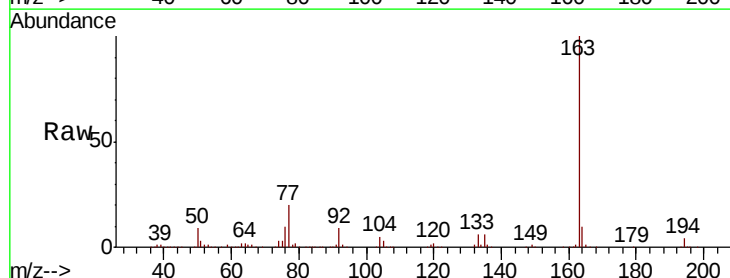
RT: 9.57 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	163	Resp:	1085477
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.2





#51

2,6-Dinitrotoluene

Concen: 41.493 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampleId :

COMP-5.8.19MSD

Tot Ion:165 Resp: 216833
Ion Ratio Lower Upper

165 100

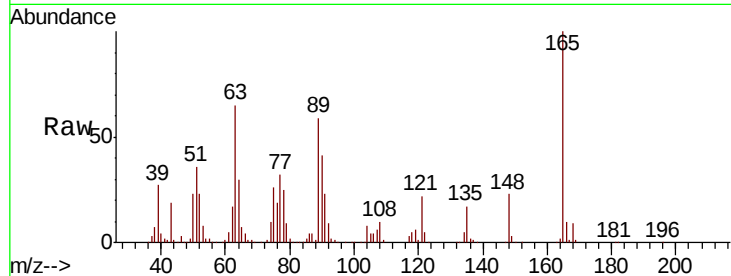
63 65.4 50.2 75.4

89 58.6 46.6 69.8

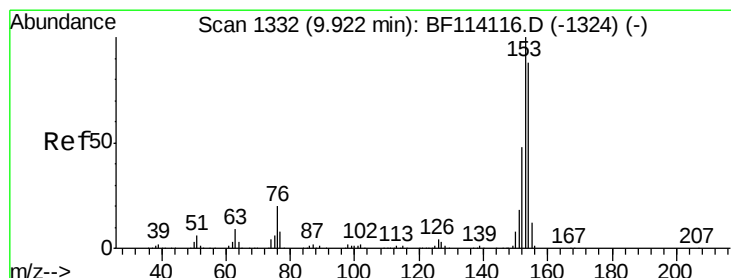
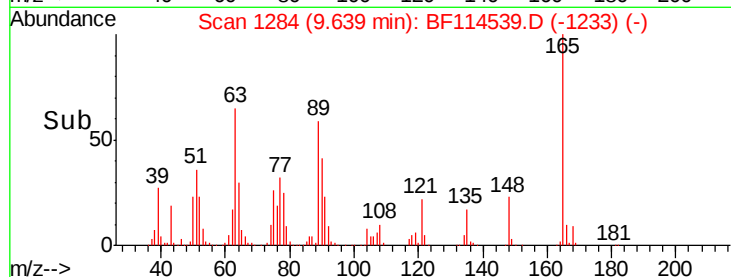
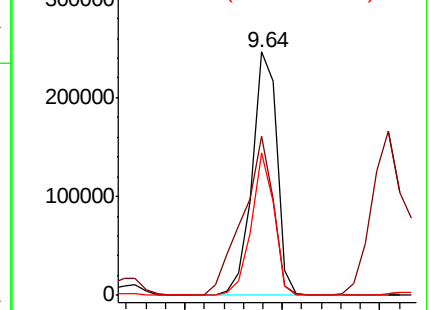
Manual Integrations
APPROVED

mohammad

5/24/2019 1:36:39 PM



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



#52

Acenaphthene

Concen: 38.640 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.00 min

Lab File: BF114539.D

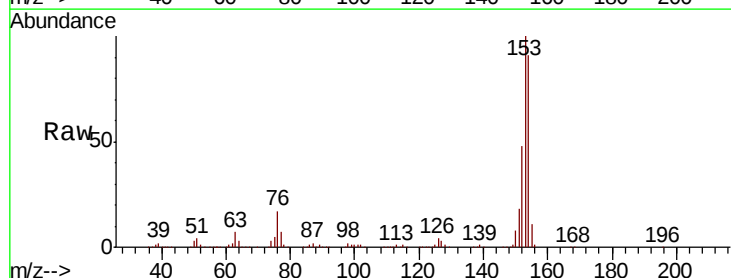
Acq: 23 May 2019 22:28

Tgt Ion:154 Resp: 752526
Ion Ratio Lower Upper

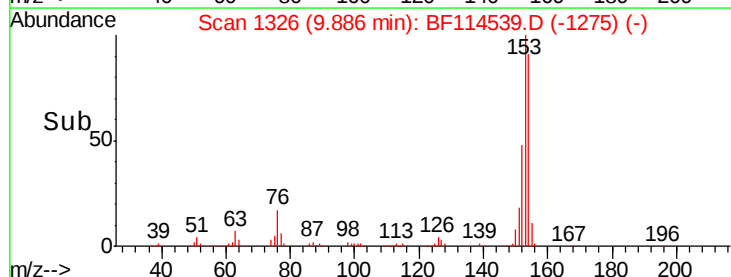
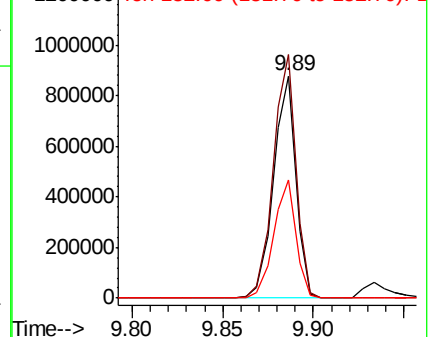
154 100

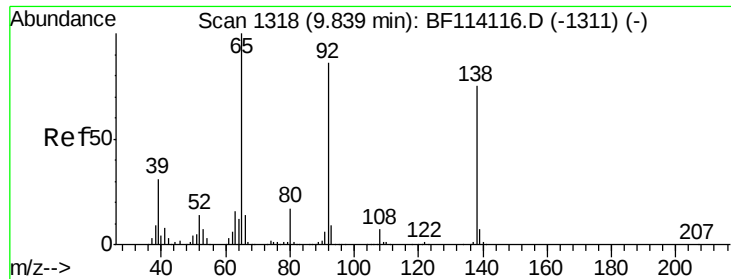
153 109.6 90.5 135.7

152 53.1 43.4 65.2



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





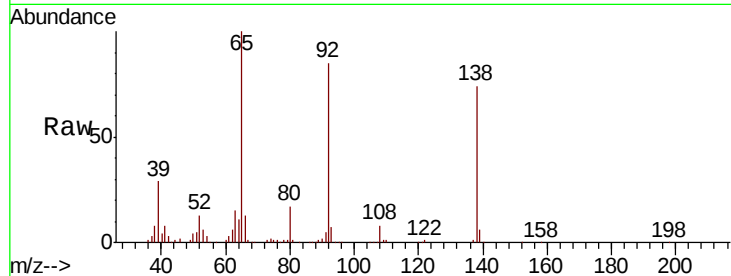
#53
3-Nitroaniline
Concen: 24.916 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	7.8	11.6
92	115.1	91.2	136.8

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM

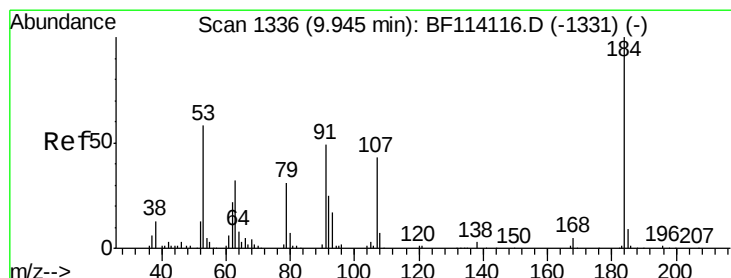
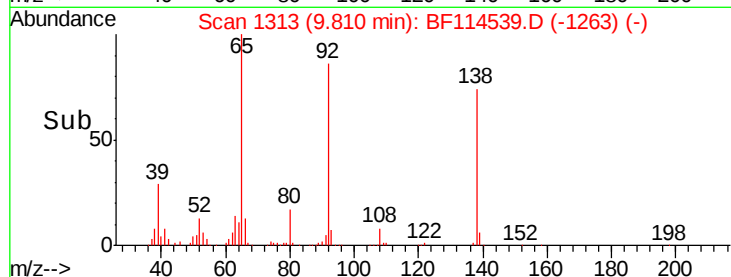
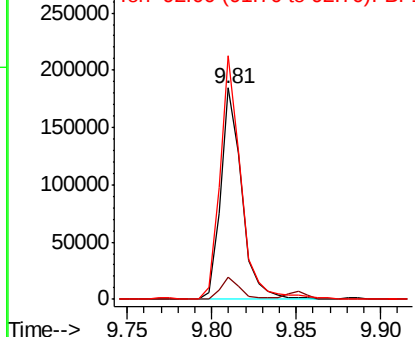


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 49.403 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

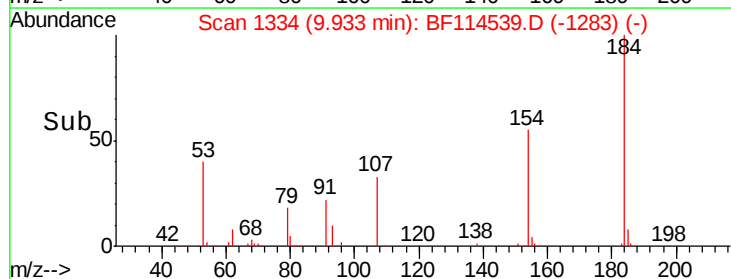
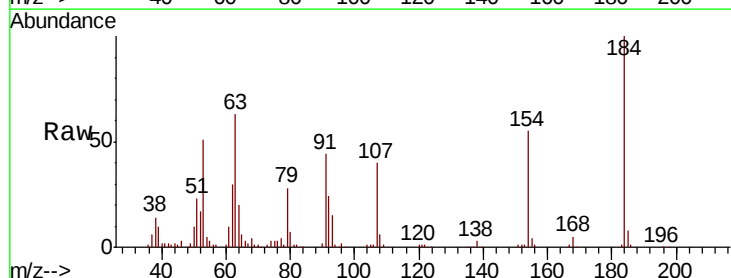
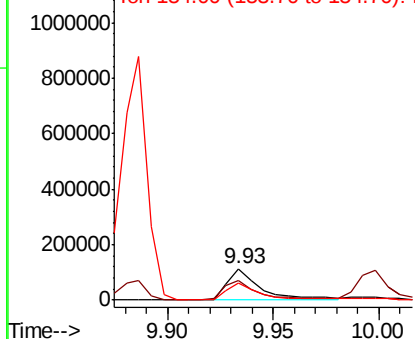
Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.6	55.6	83.4
154	54.7	46.0	69.0

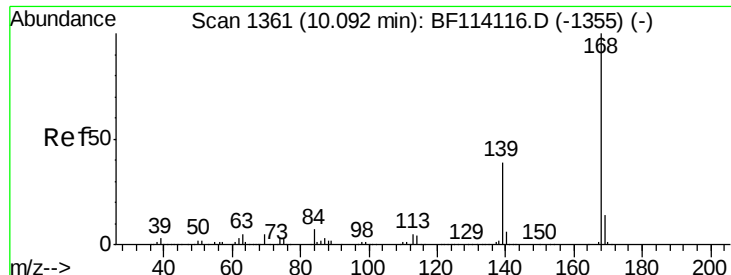
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





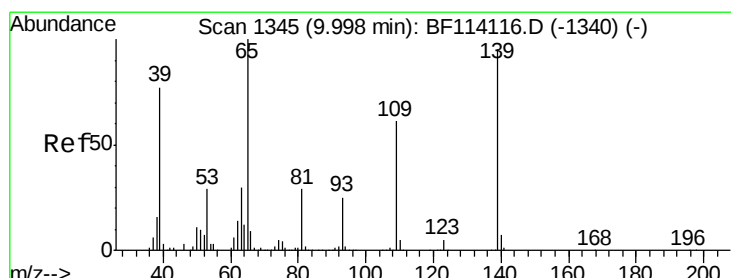
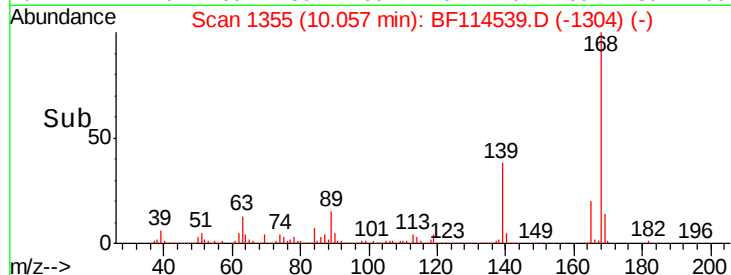
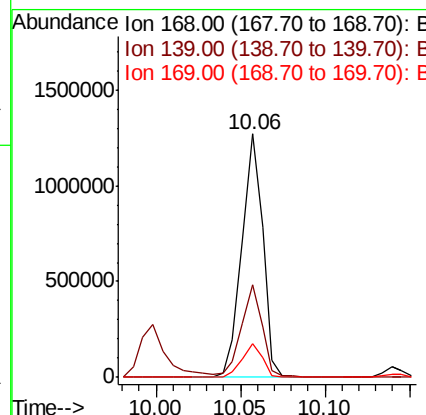
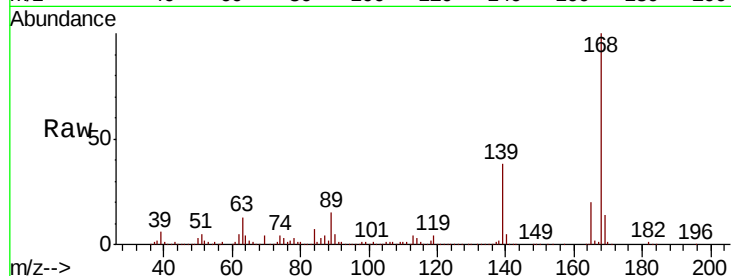
#55
Dibenzenofuran
Concen: 38.179 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.1	46.7
169	13.8	11.4	17.0

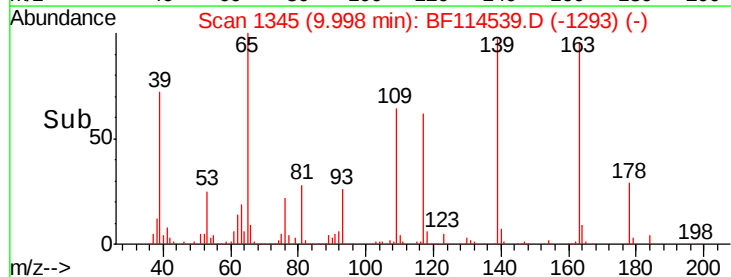
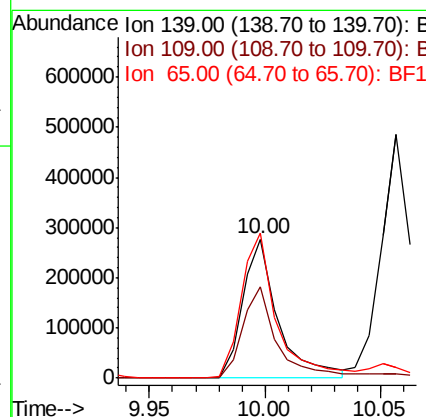
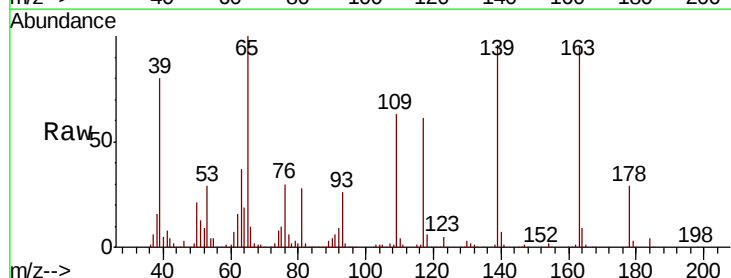
Manual Integrations
APPROVED

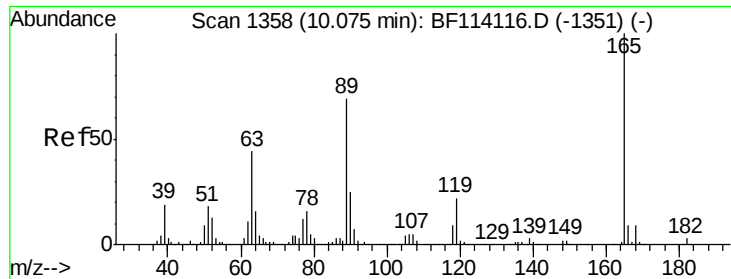
mohammad
5/24/2019 1:36:39 PM



#56
4-Nitrophenol
Concen: 64.539 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.0	43.9	83.9
65	104.2	85.7	125.7





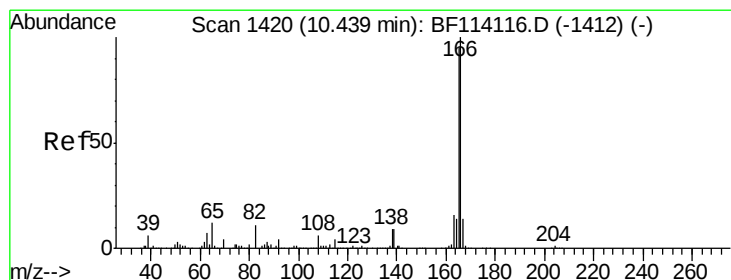
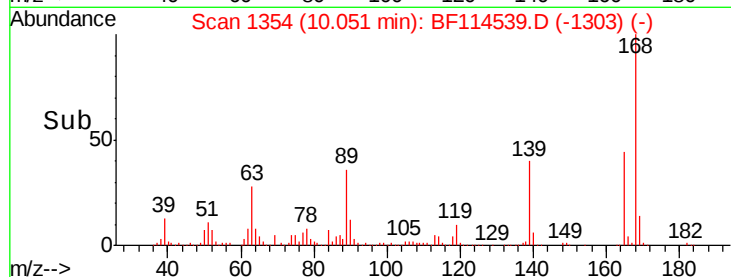
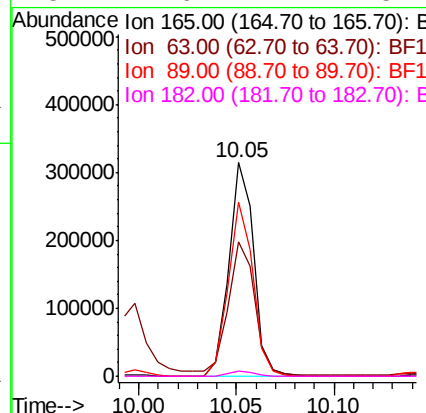
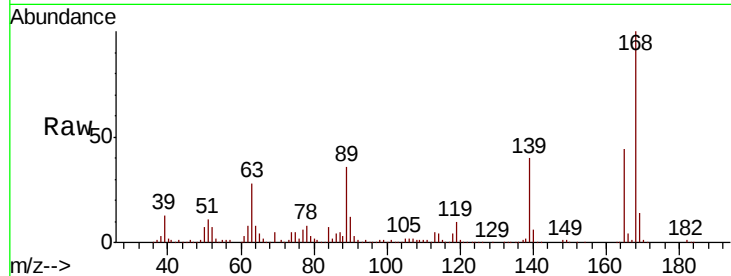
#57
2,4-Dinitrotoluene
Concen: 38.814 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	62.7	35.5	53.3#
89	81.5	55.2	82.8
182	2.6	2.2	3.2

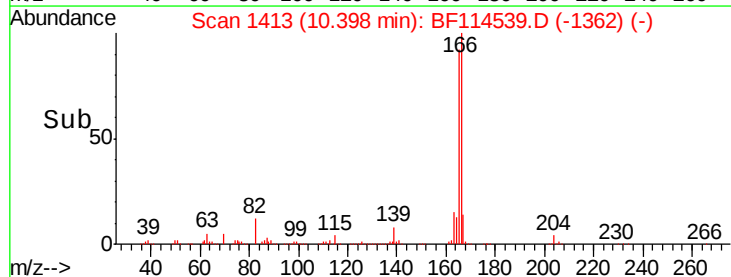
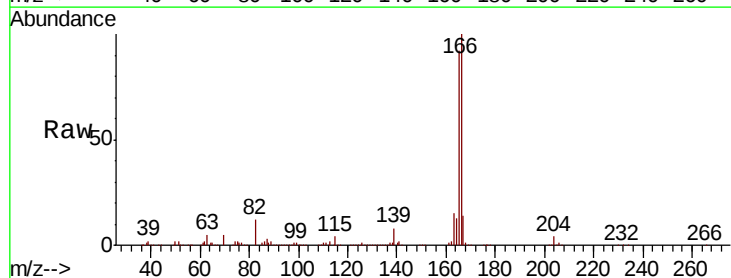
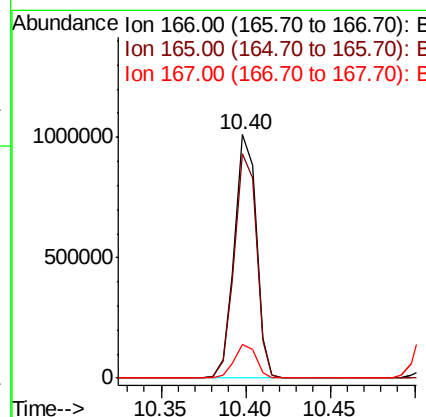
Manual Integrations
APPROVED

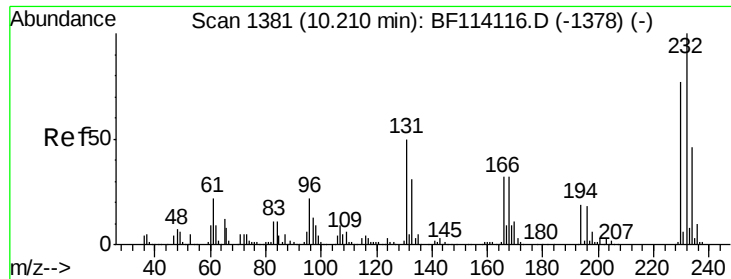
mohammad
5/24/2019 1:36:39 PM



#58
Fluorene
Concen: 41.370 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	92.2	76.1	114.1
167	14.0	11.1	16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 40.161 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

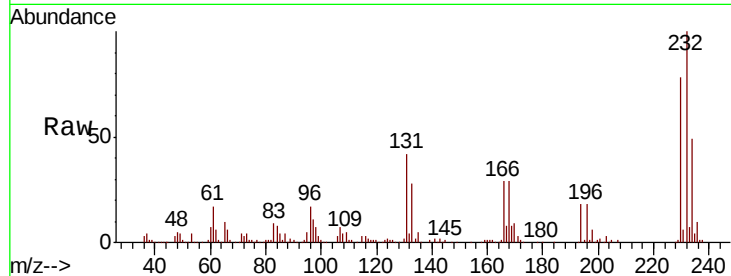
ClientSampleId :

COMP-5.8.19MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	237653		
131	44.3		35.6	53.4
130	2.3		1.6	2.4
166	29.9		24.1	36.1

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



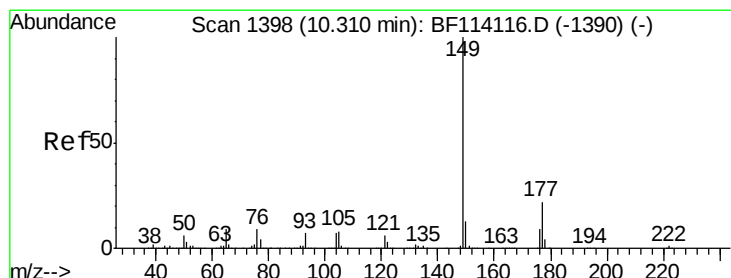
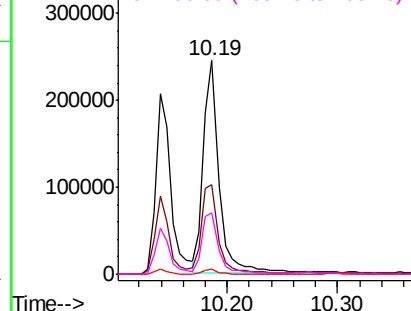
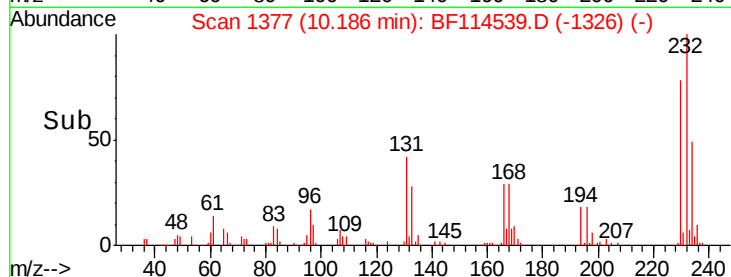
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 40.879 ng

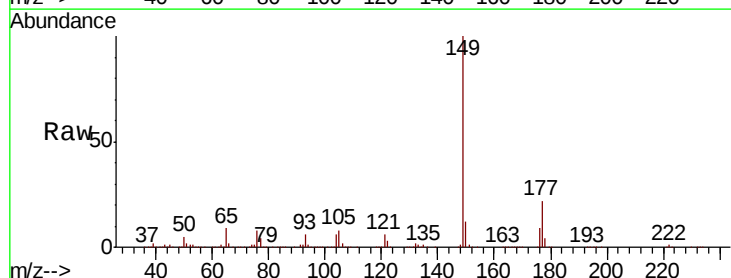
RT: 10.27 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	978618		
177	21.6		17.8	26.6
150	12.0		10.2	15.2

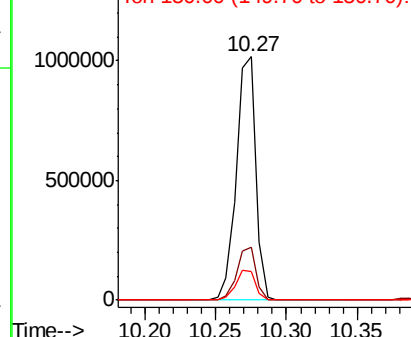
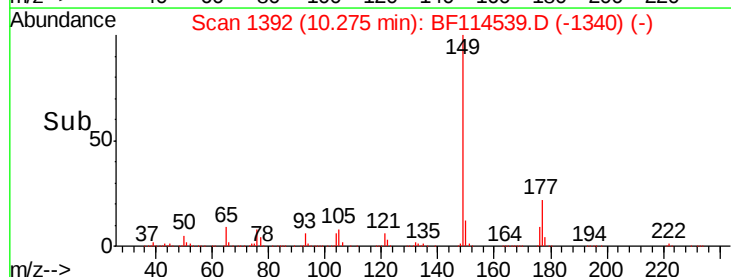


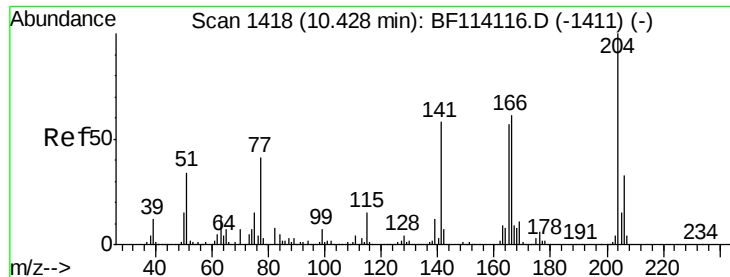
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





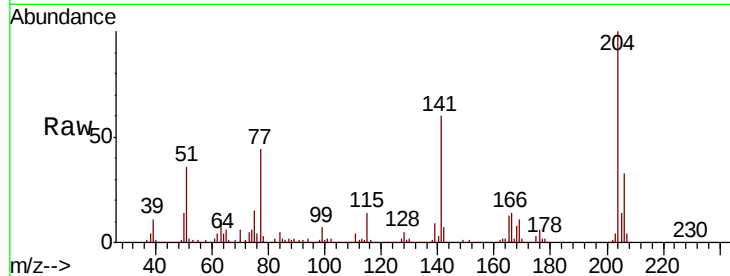
#61
4-Chlorophenyl-phenylether
Concen: 39.961 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.6	39.8
141	59.9	46.4	69.6

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM

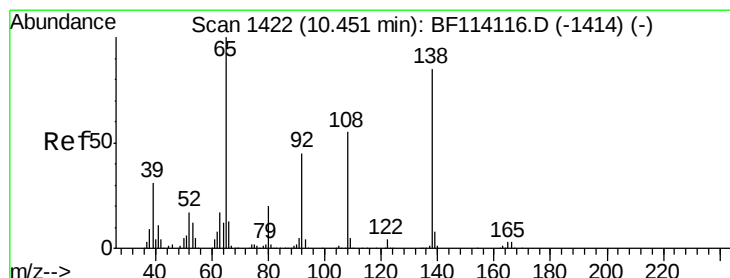
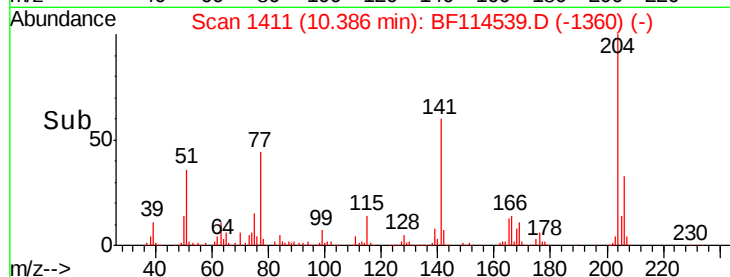
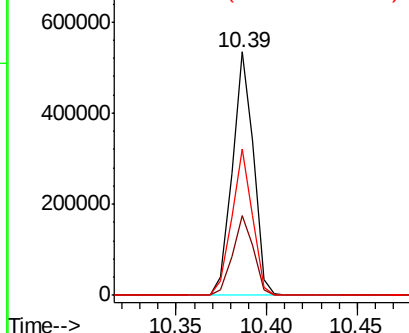


Abundance

Ion 204.00 (203.70 to 204.70): E

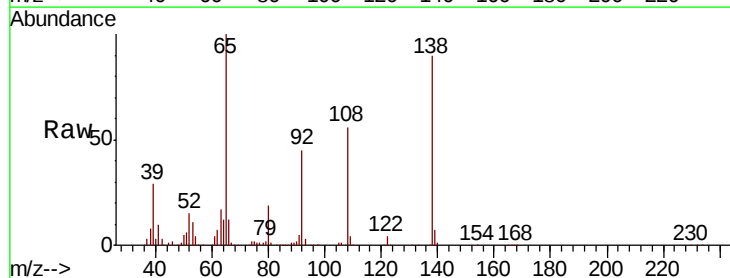
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 34.810 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.9	33.0	73.0
108	62.5	44.9	84.9

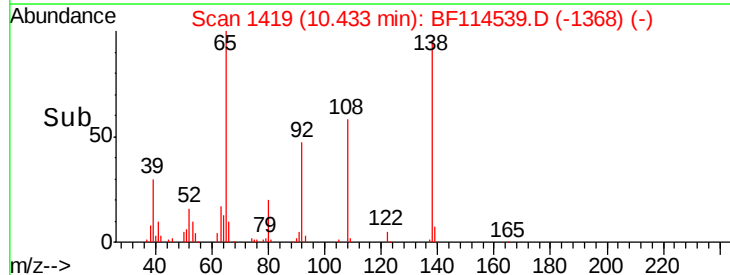
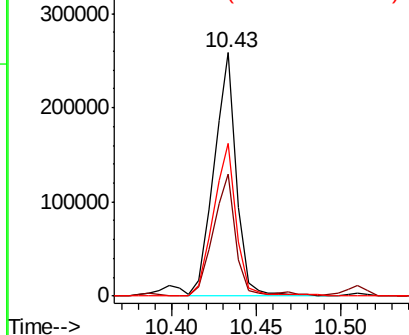


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





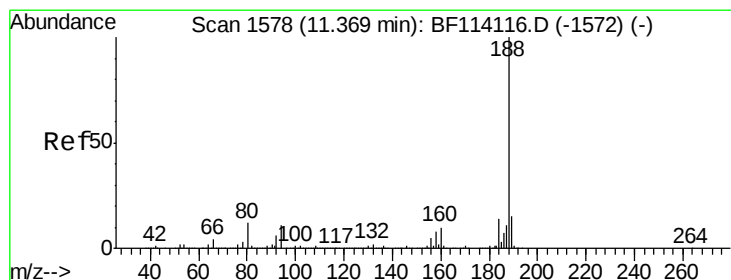
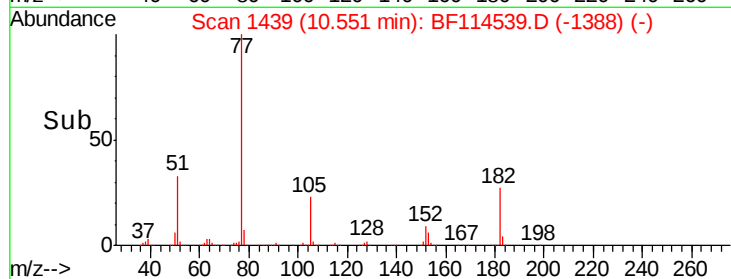
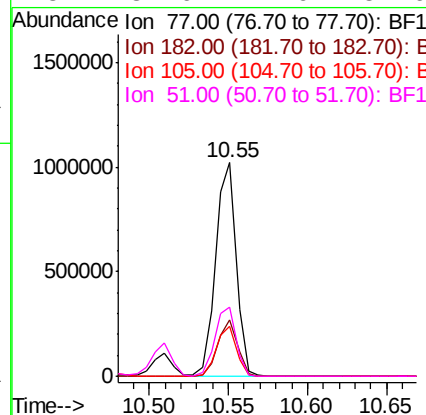
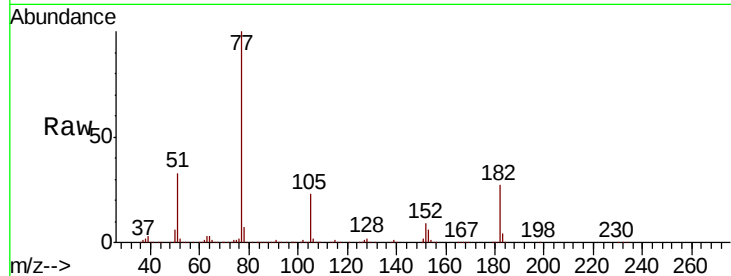
#63
Azobenzene
Concen: 39.730 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.6	4.7	44.7	
105	23.3	2.9	42.9	
51	32.6	14.6	54.6	

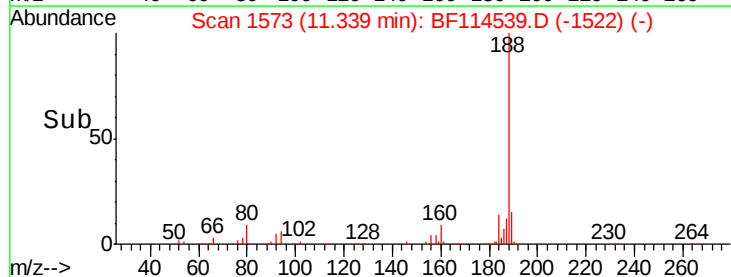
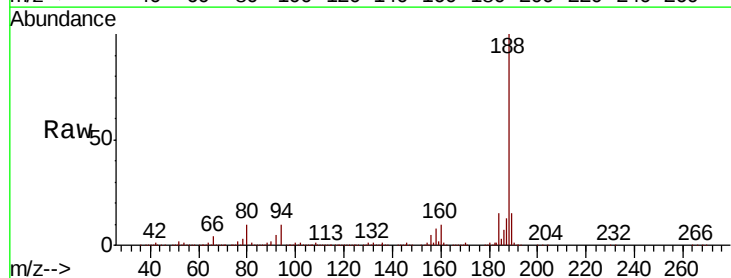
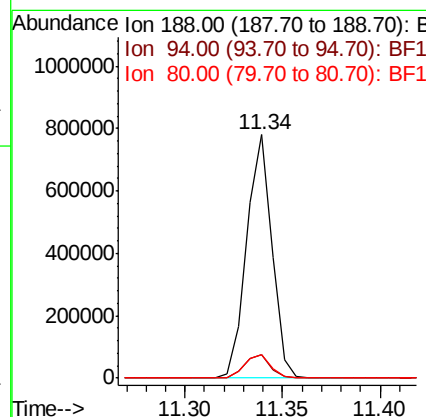
Manual Integrations
APPROVED

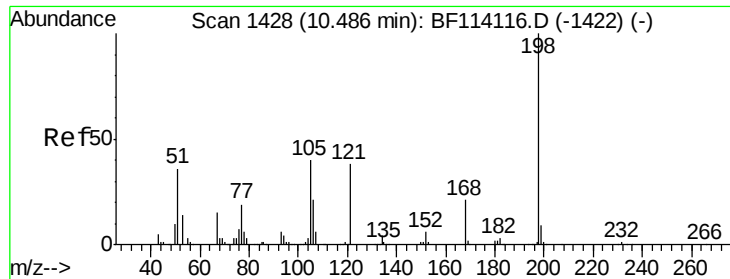
mohammad
5/24/2019 1:36:39 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.7	8.4	12.6	
80	9.8	9.2	13.8	





#65

4,6-Dinitro-2-methylphenol

Concen: 37.894 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampleId :

COMP-5.8.19MSD

Tot Ion:198 Resp: 127423

Ion Ratio Lower Upper

198 100

51 58.4 28.0 68.0

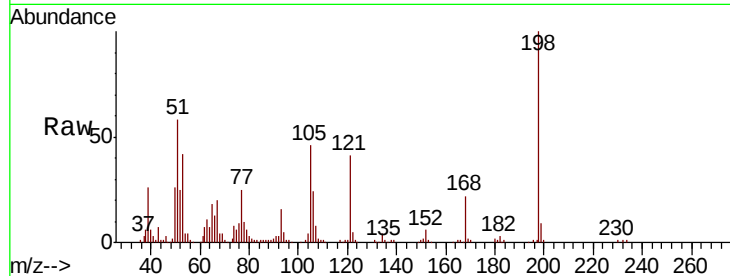
105 46.1 21.1 61.1

Manual Integrations

APPROVED

mohammad

5/24/2019 1:36:39 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

400000

300000

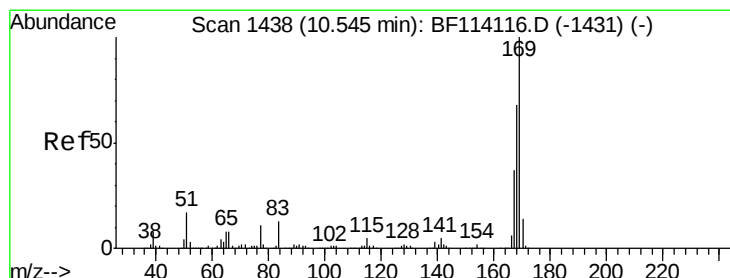
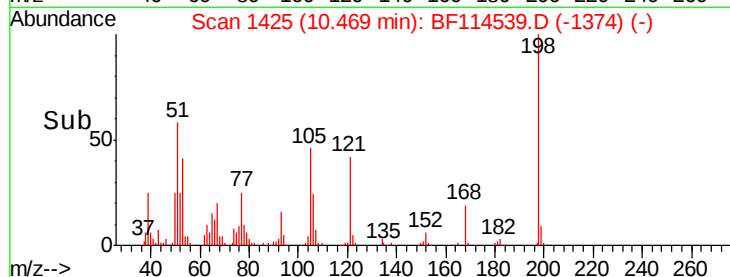
200000

100000

0

10.40 10.45 10.50 10.55

Time-->



#66

n-Nitrosodiphenylamine

Concen: 39.039 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

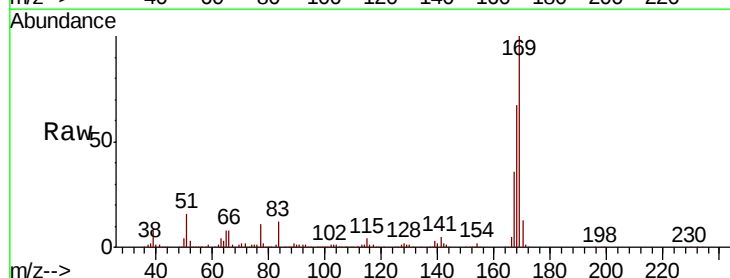
Tgt Ion:169 Resp: 829156

Ion Ratio Lower Upper

169 100

168 67.0 54.2 81.2

167 36.3 29.8 44.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

1200000

1000000

800000

600000

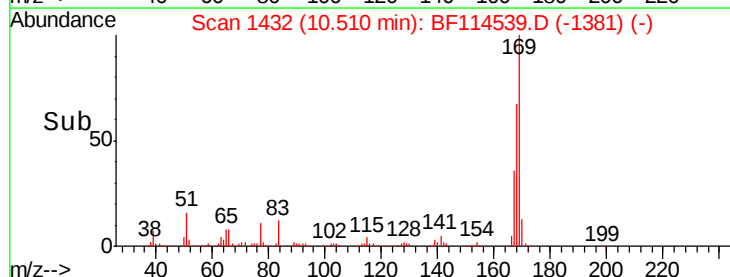
400000

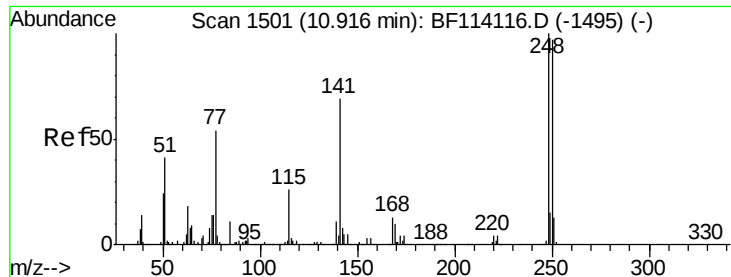
200000

0

10.45 10.50 10.55 10.60

Time-->





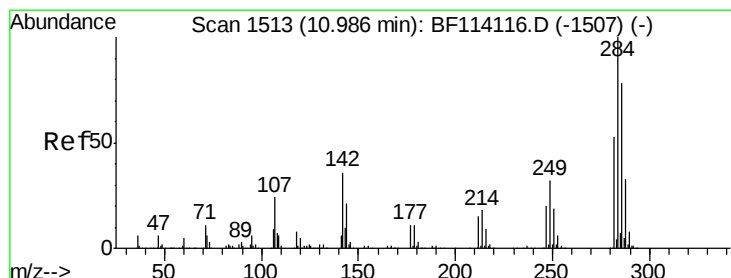
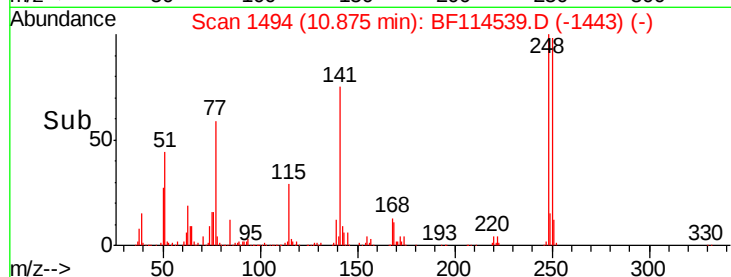
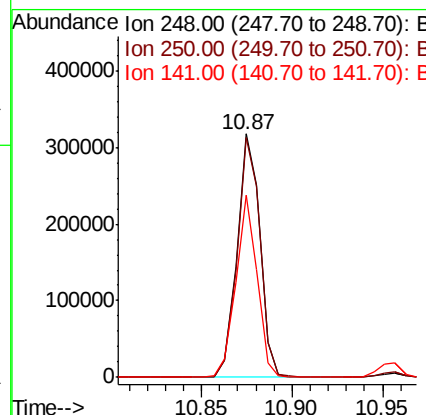
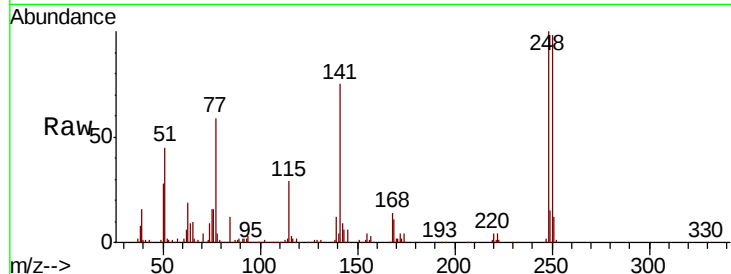
#67
4-Bromophenyl-phenylether
Concen: 36.145 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.4	116.2
141	74.9	55.6	83.4

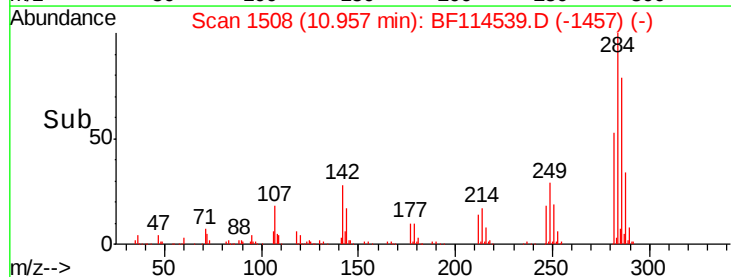
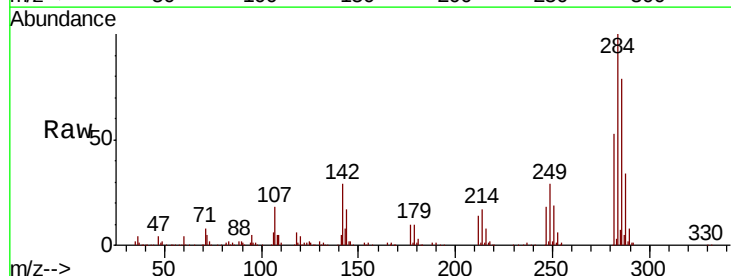
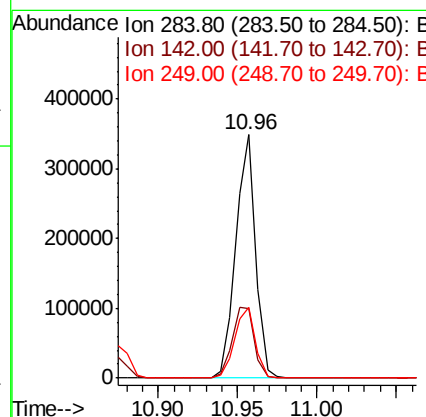
Manual Integrations
APPROVED

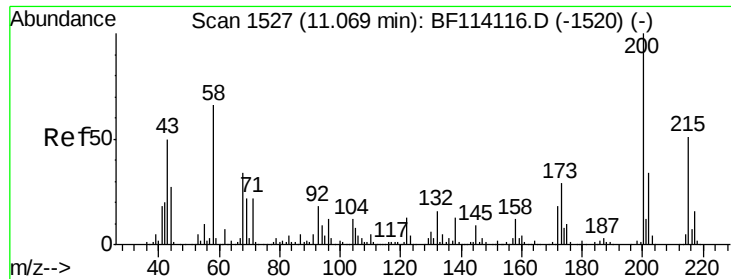
mohammad
5/24/2019 1:36:39 PM



#68
Hexachlorobenzene
Concen: 35.435 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.8	28.4	42.6
249	29.3	25.2	37.8





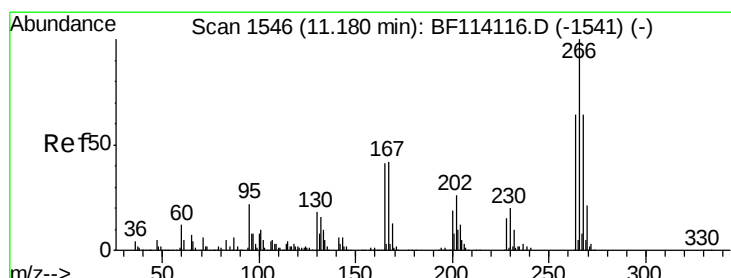
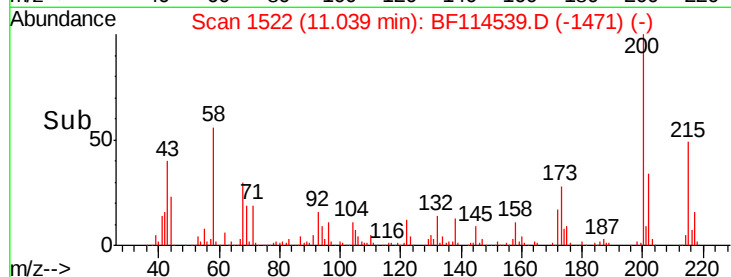
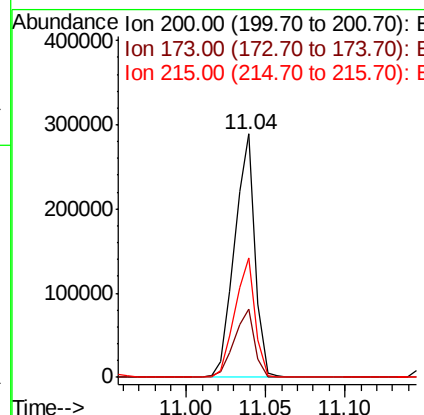
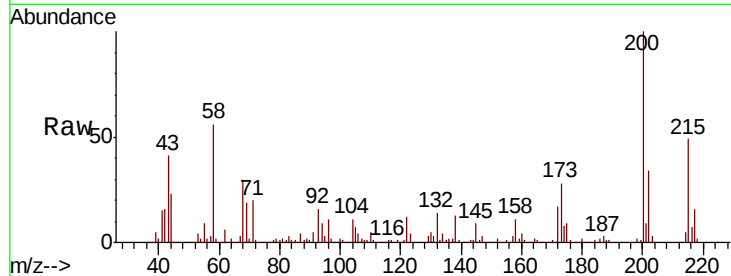
#69
Atrazine
Concen: 39.069 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.9	8.9	48.9
215	48.9	30.7	70.7

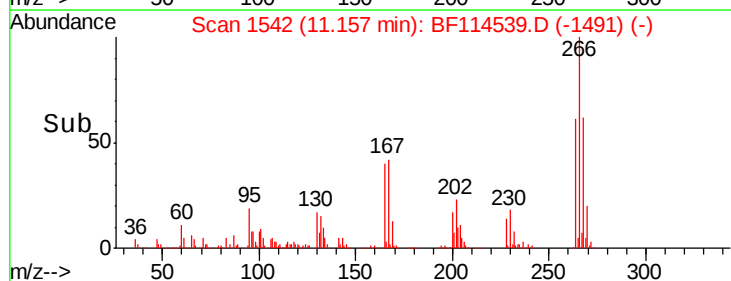
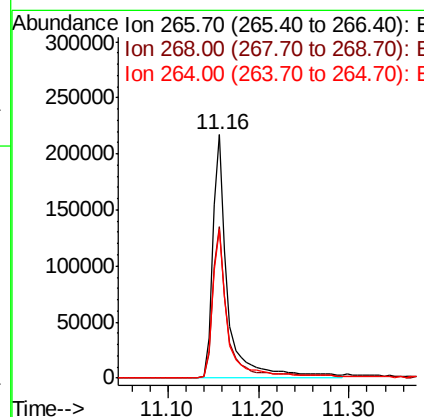
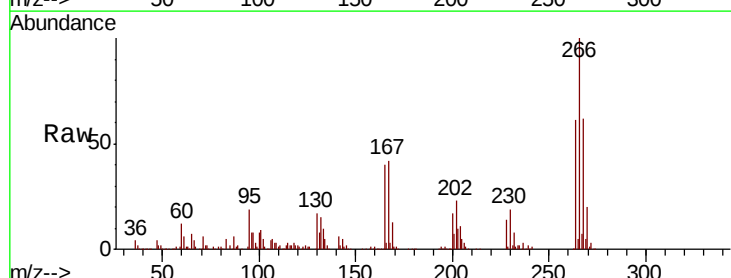
Manual Integrations
APPROVED

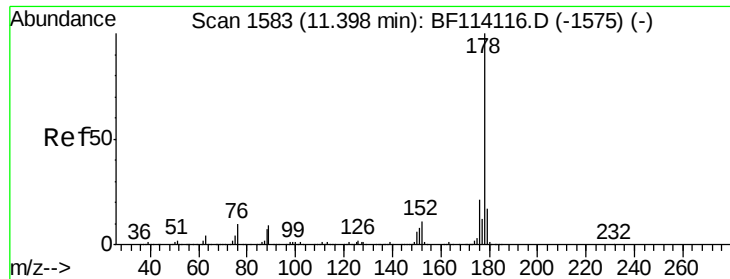
mohammad
5/24/2019 1:36:39 PM



#70
Pentachlorophenol
Concen: 63.233 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.2	51.1	76.7
264	61.3	51.1	76.7





#71

Phenanthrene

Concen: 39.882 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampleId :

COMP-5.8.19MSD

Tot Ion:178 Resp: 1357851

Ion Ratio Lower Upper

178 100

176 19.9 16.4 24.6

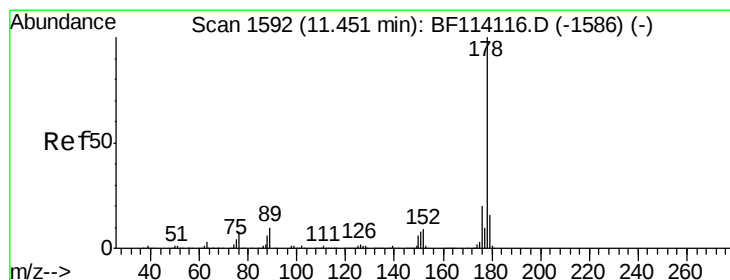
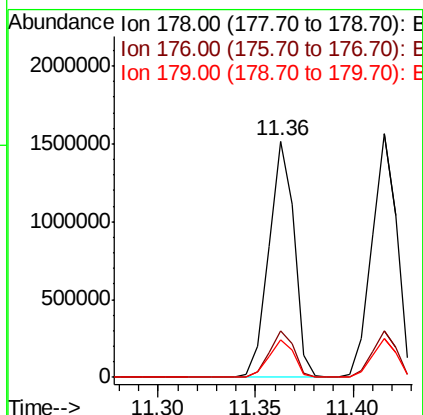
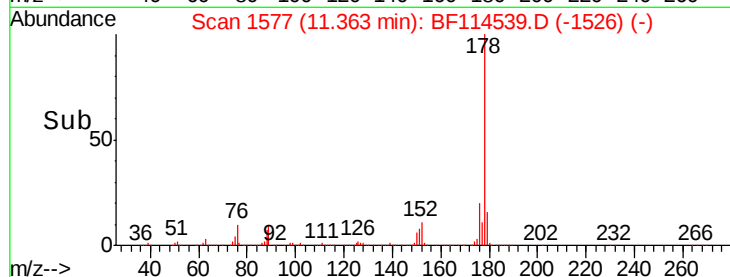
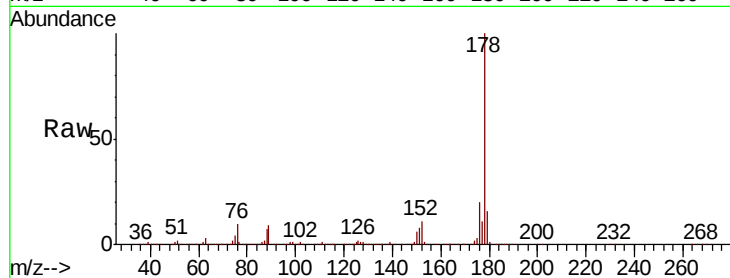
179 15.8 13.2 19.8

Manual Integrations

APPROVED

mohammad

5/24/2019 1:36:39 PM



#72

Anthracene

Concen: 40.722 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

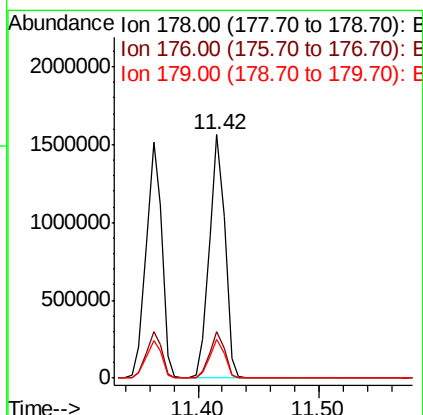
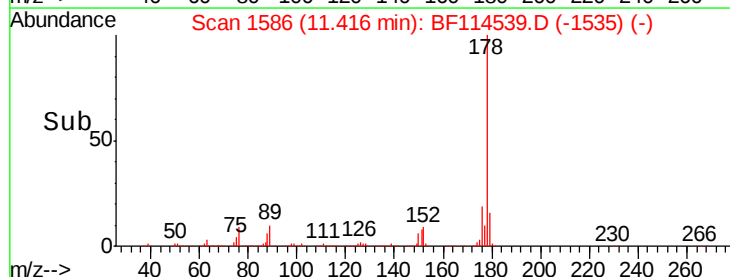
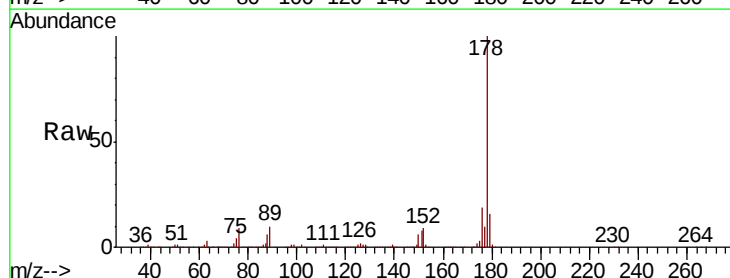
Tgt Ion:178 Resp: 1392568

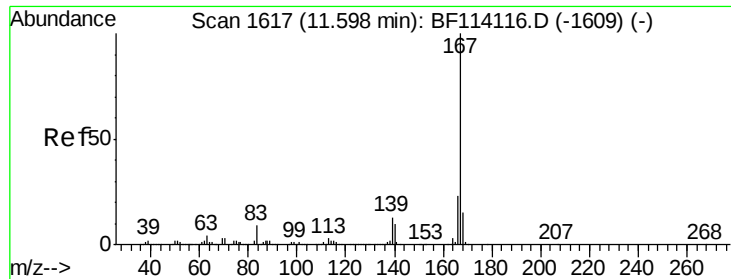
Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

179 15.9 13.0 19.4





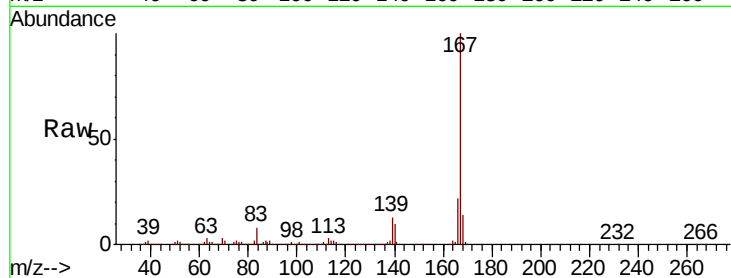
#73
 Carbazole
 Concen: 41.961 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.2
139	12.7	10.6	16.0

Manual Integrations
 APPROVED

mohammad
 5/24/2019 1:36:39 PM

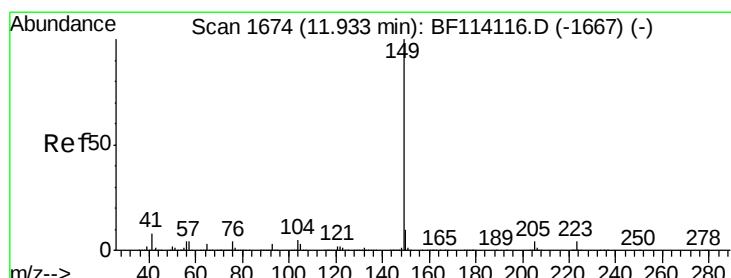
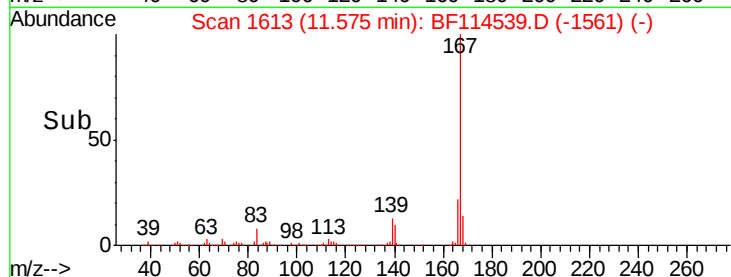
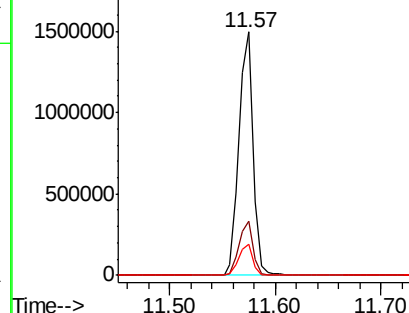


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 41.875 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BF114539.D
 Acq: 23 May 2019 22:28

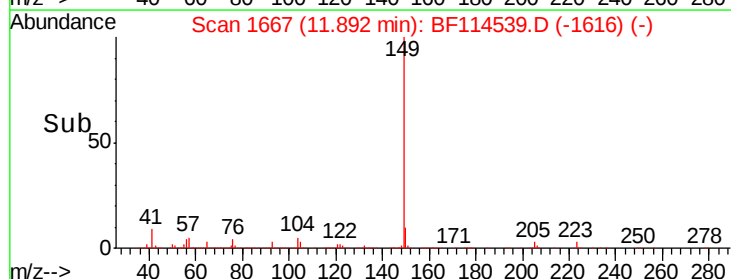
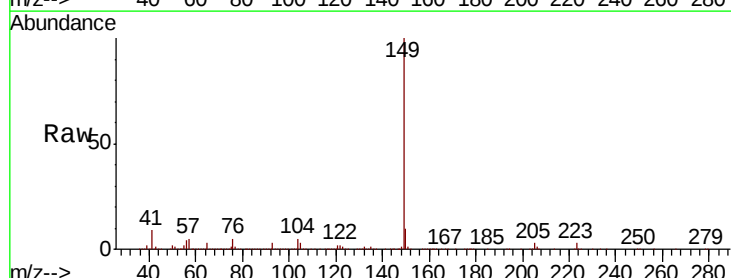
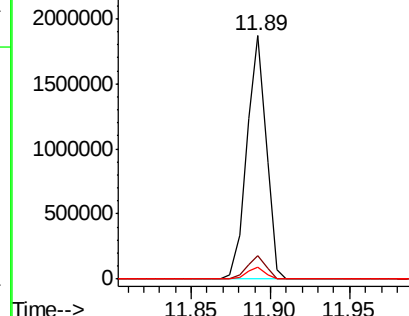
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	4.7	3.6	5.4

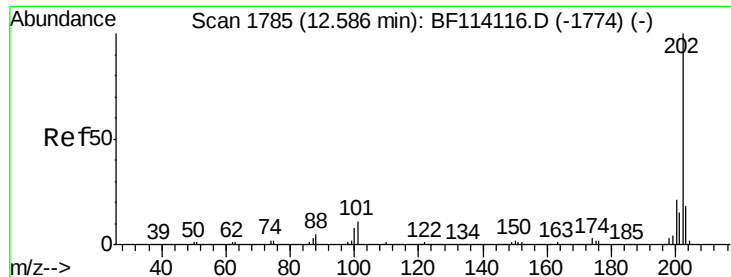
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 41.861 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampleId :

COMP-5.8.19MSD

Tot Ion:202 Resp: 1534779

Ion Ratio Lower Upper

202 100

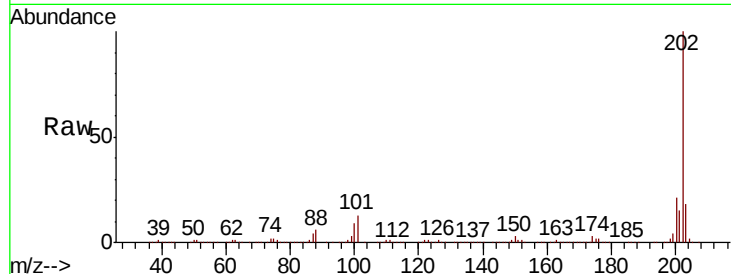
101 12.6 0.0 31.0

203 18.3 0.0 38.4

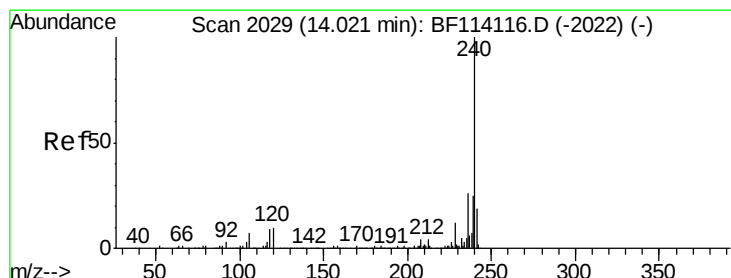
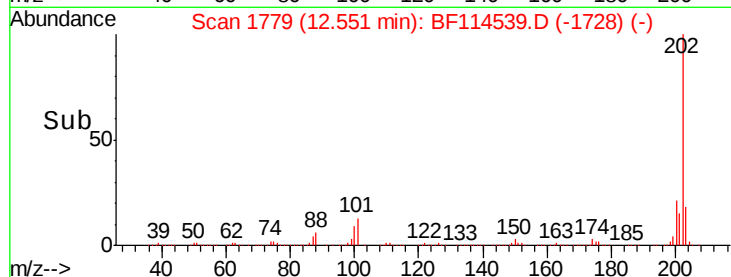
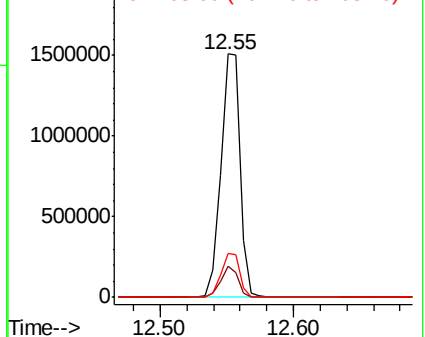
Manual Integrations
APPROVED

mohammad

5/24/2019 1:36:39 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

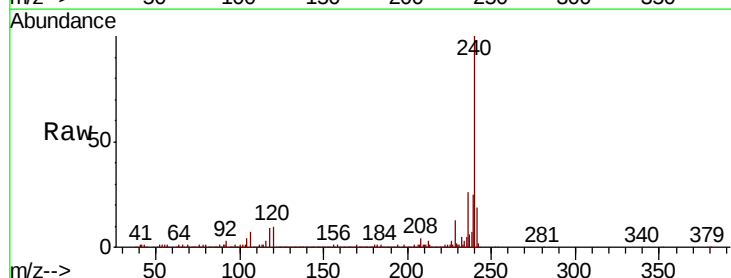
Tgt Ion:240 Resp: 518618

Ion Ratio Lower Upper

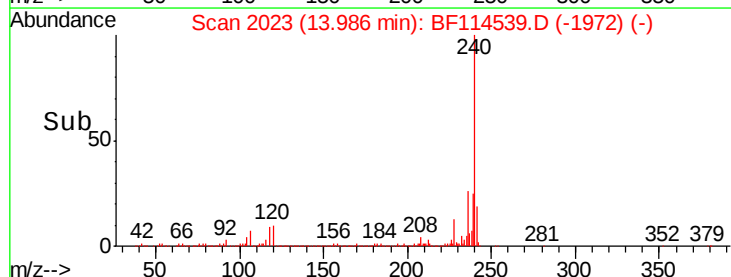
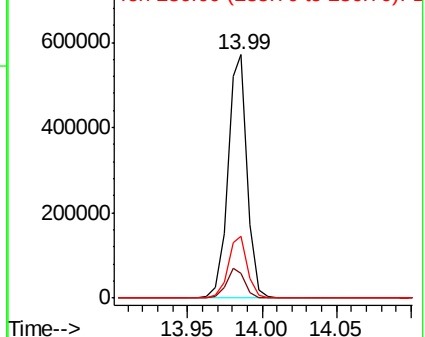
240 100

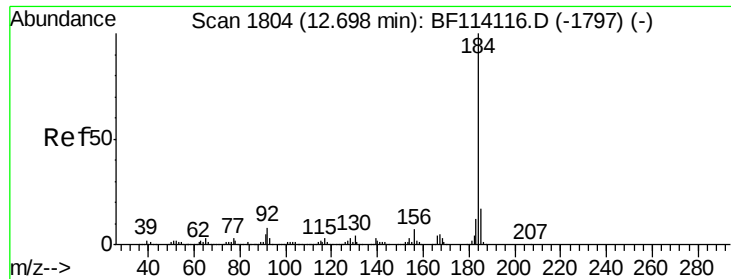
120 10.1 8.3 12.5

236 25.5 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 13.107 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

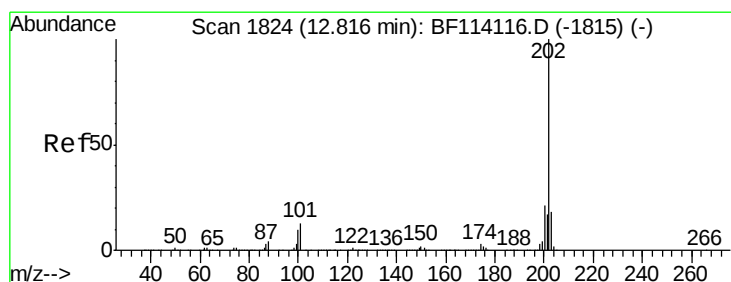
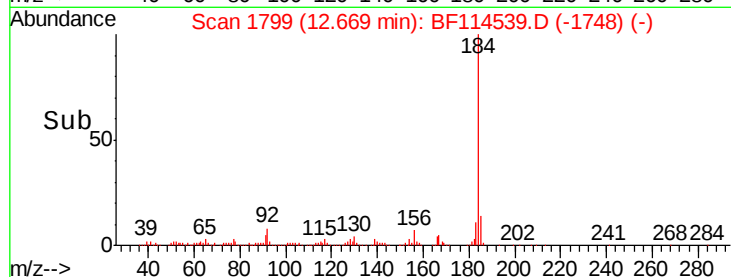
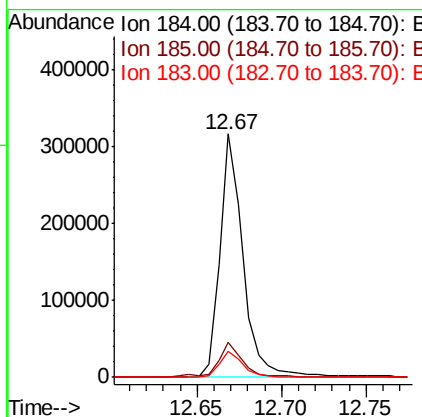
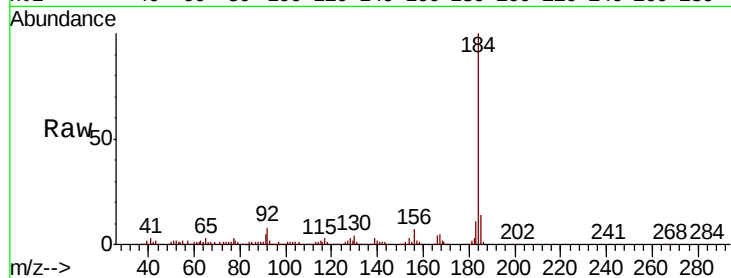
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	184	Resp:	305136
Ion Ratio	Lower	Upper	
184	100		
185	14.4	13.6	20.4
183	10.5	9.2	13.8

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#78

Pyrene

Concen: 37.633 ng

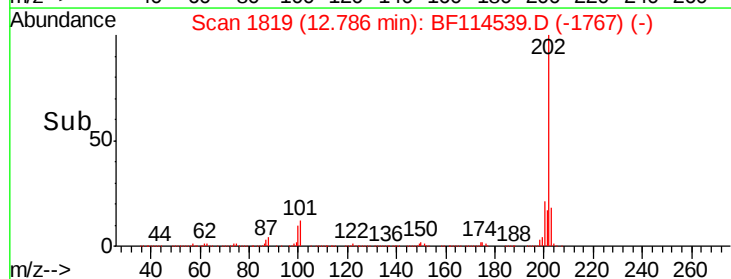
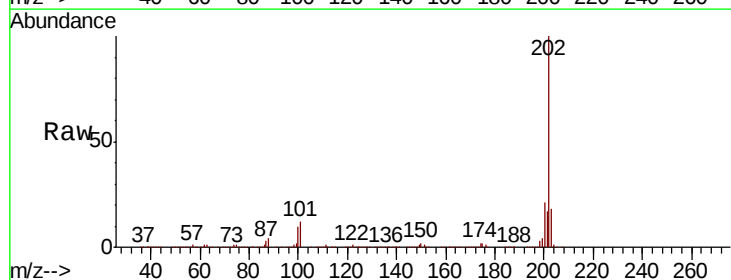
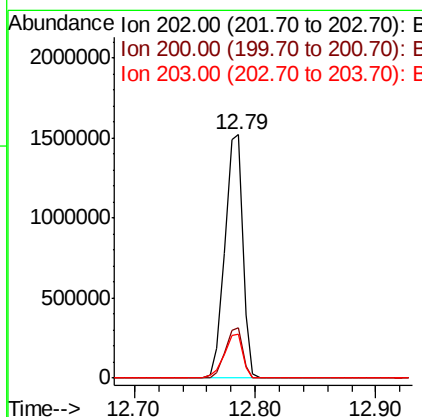
RT: 12.79 min Scan# 1819

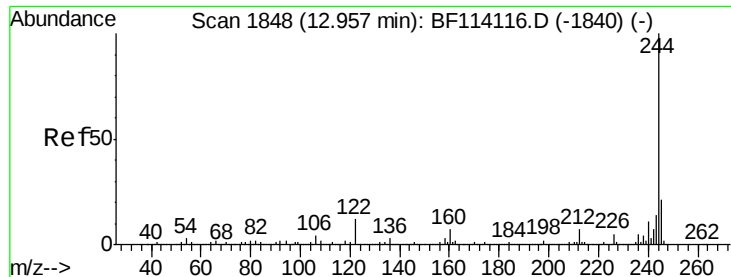
Delta R.T. 0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	202	Resp:	1570046
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	18.0	14.5	21.7





#79

Terphenyl-d14

Concen: 71.160 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampleId :

COMP-5.8.19MSD

Tot Ion:244 Resp: 1790244

Ion Ratio Lower Upper

244 100

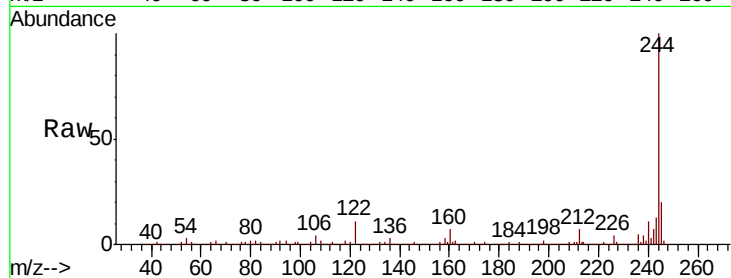
212 6.7 5.8 8.6

122 11.3 9.4 14.2

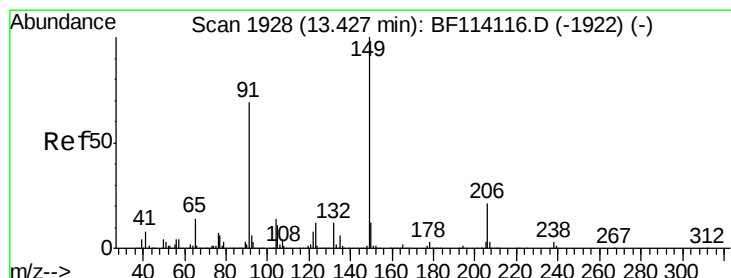
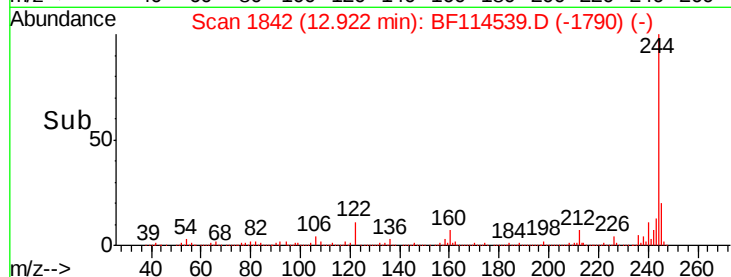
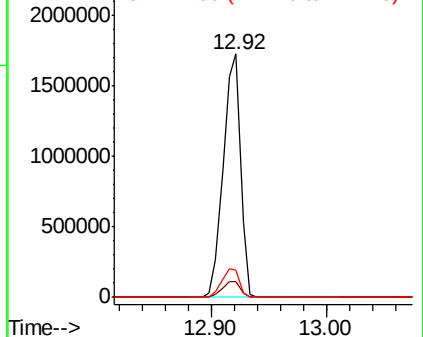
Manual Integrations
APPROVED

mohammad

5/24/2019 1:36:39 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.756 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

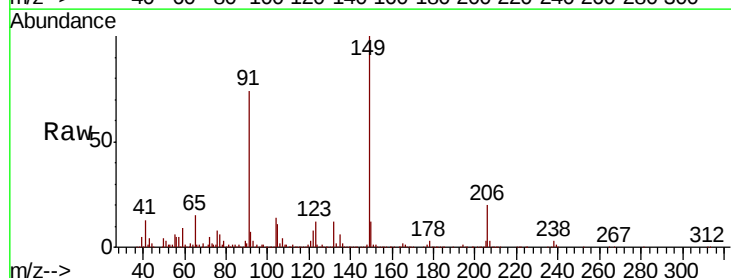
Tgt Ion:149 Resp: 715685

Ion Ratio Lower Upper

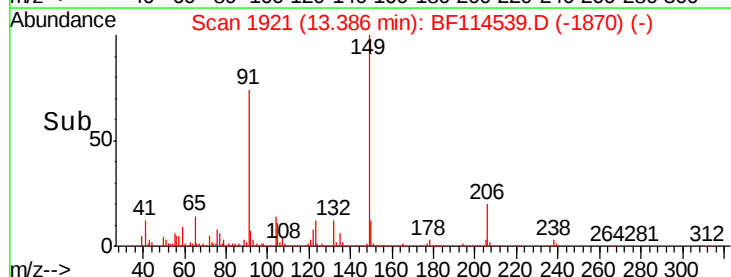
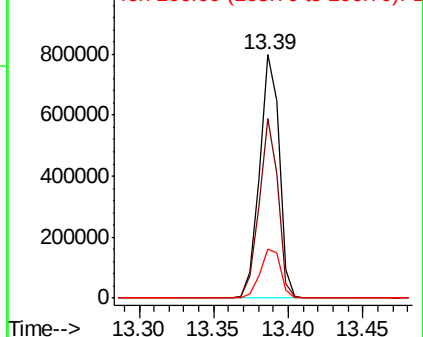
149 100

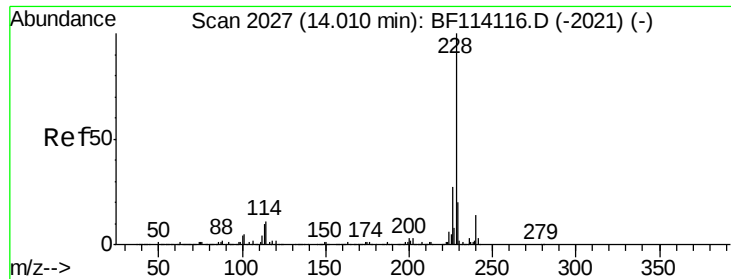
91 73.6 55.0 82.4

206 20.0 16.9 25.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





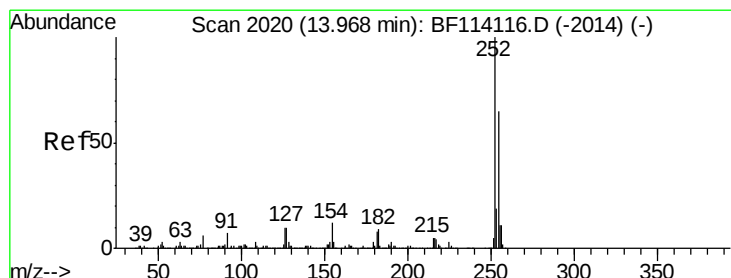
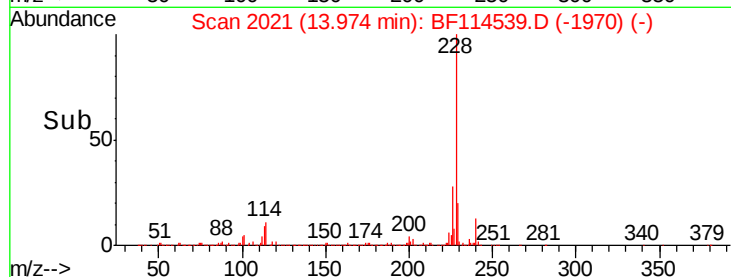
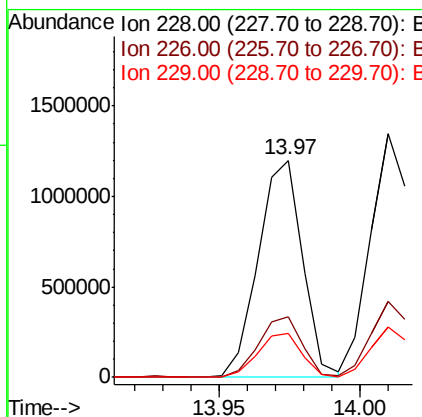
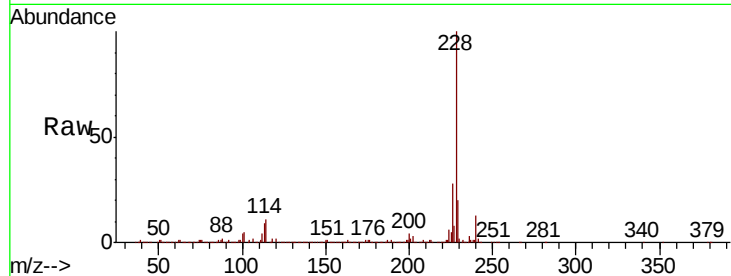
#81
Benzo(a)anthracene
Concen: 38.655 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampled :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	20.0	16.4	24.6

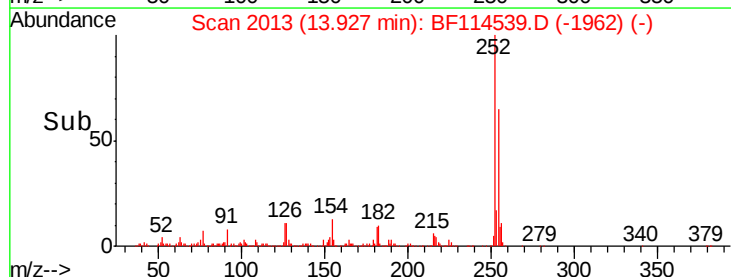
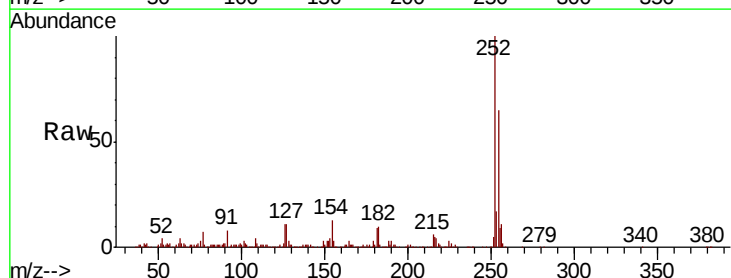
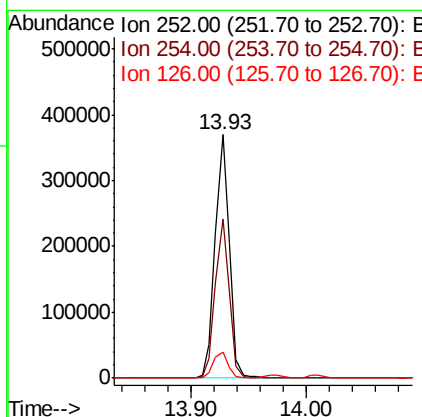
Manual Integrations
APPROVED

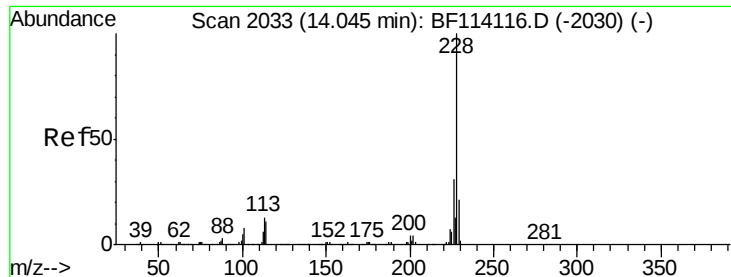
mohammad
5/24/2019 1:36:39 PM



#82
3,3'-Dichlorobenzidine
Concen: 24.372 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.9	77.9
126	10.9	7.9	11.9





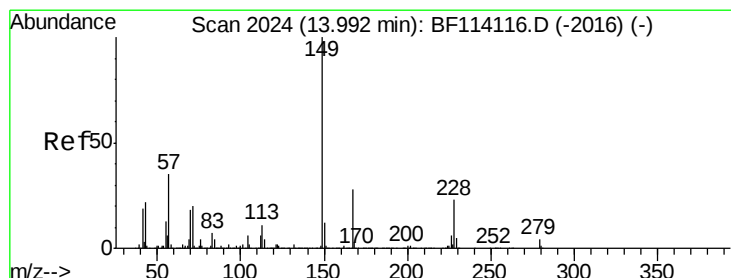
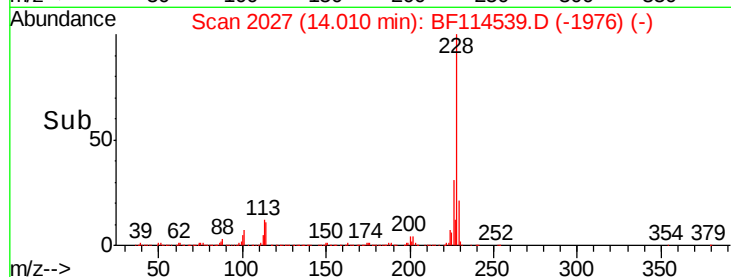
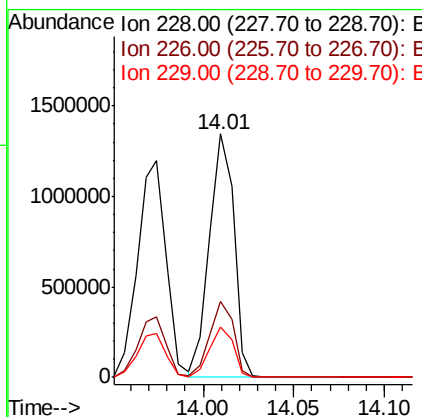
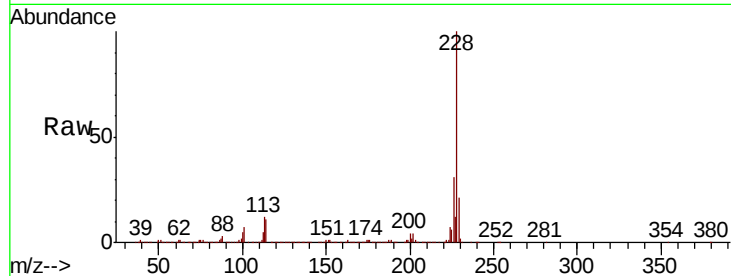
#83
Chrysene
Concen: 38.572 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampled :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.6	17.0	25.6

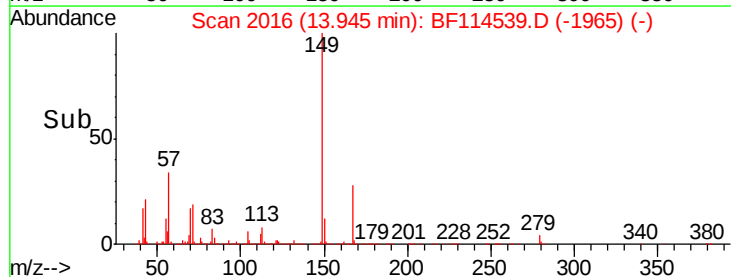
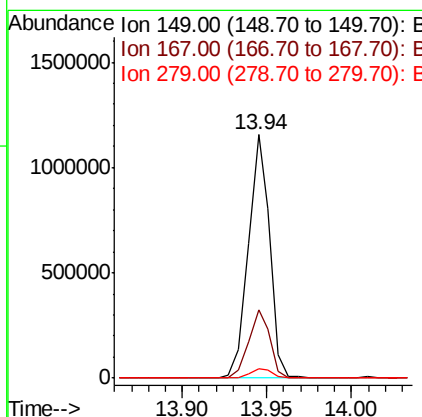
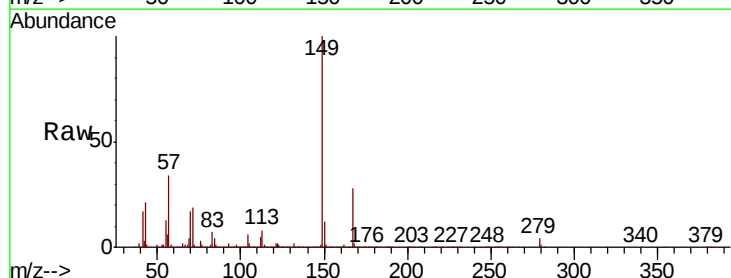
Manual Integrations
APPROVED

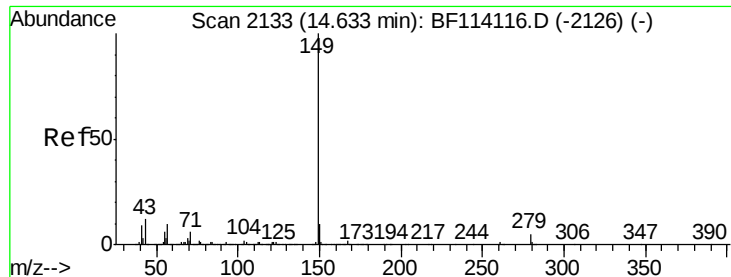
mohammad
5/24/2019 1:36:39 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.145 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.6	33.8
279	3.8	3.0	4.6





#85

Di-n-octyl phthalate

Concen: 45.532 ng

RT: 14.56 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

ClientSampled :

COMP-5.8.19MSD

Tot Ion:149 Resp: 1695175

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

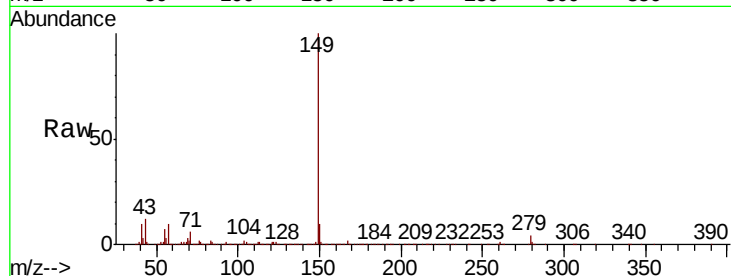
43 12.1 10.1 15.1

Manual Integrations

APPROVED

mohammad

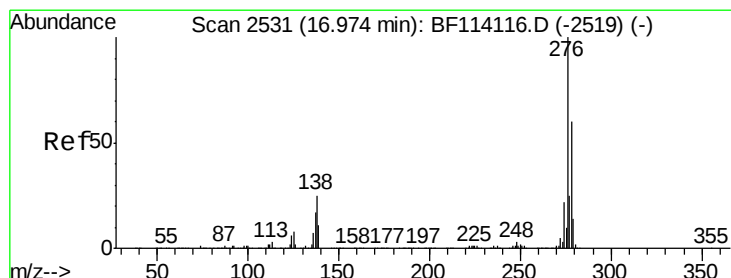
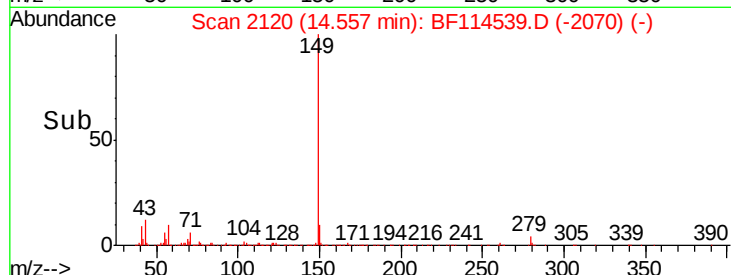
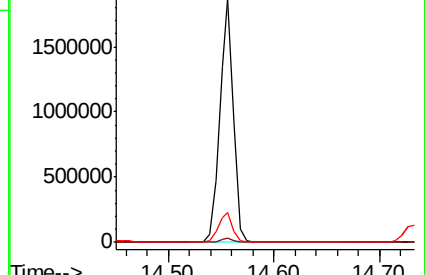
5/24/2019 1:36:39 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 42.311 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

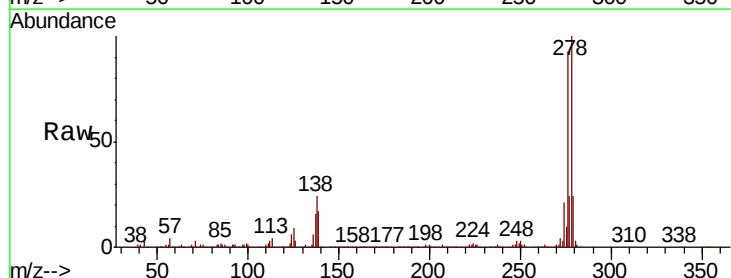
Tgt Ion:276 Resp: 1229597

Ion Ratio Lower Upper

276 100

138 24.8 20.2 30.2

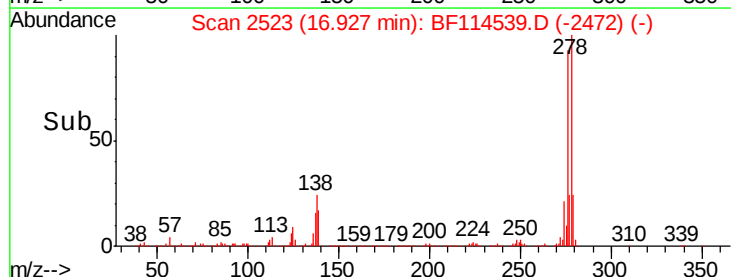
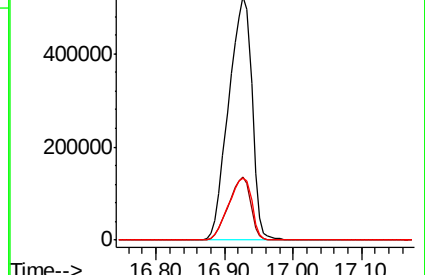
277 25.4 20.0 30.0

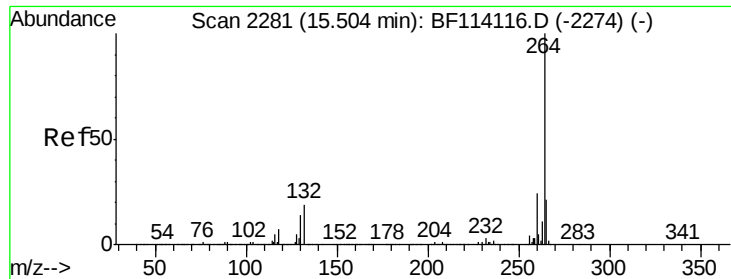


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Instrument :

BNA_F

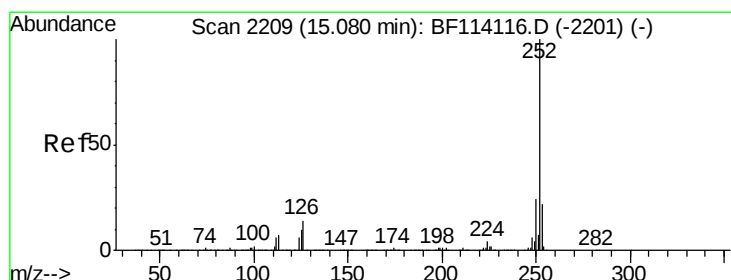
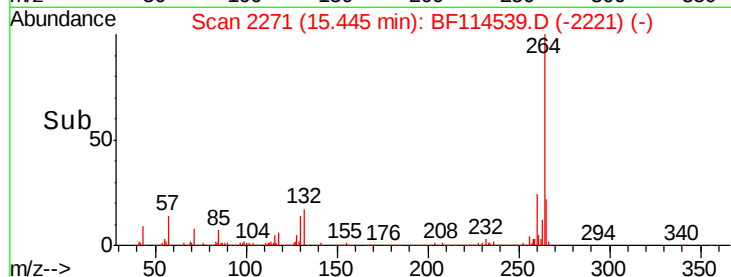
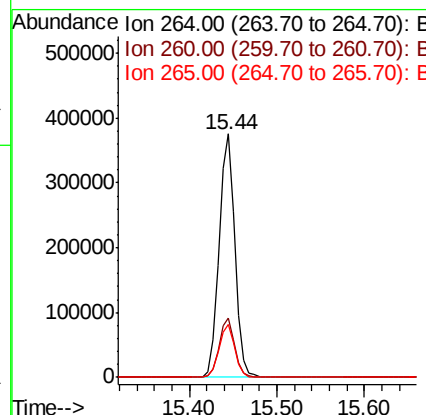
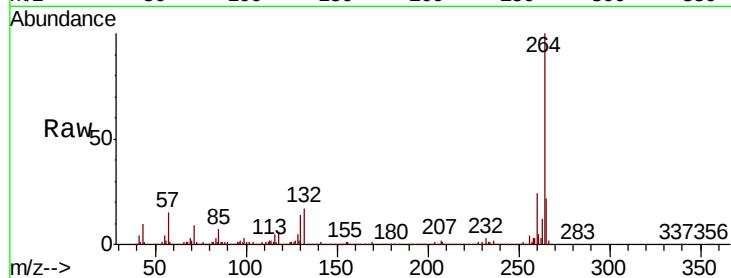
ClientSampleId :

COMP-5.8.19MSD

Tot Ion:	264	Resp:	471708
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.4	29.0
265	21.6	16.9	25.3

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM



#88

Benzo(b)fluoranthene

Concen: 39.477 ng

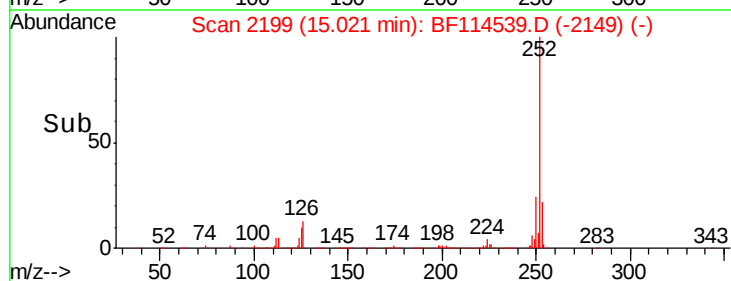
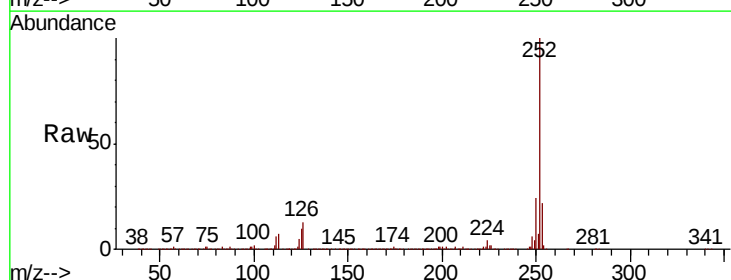
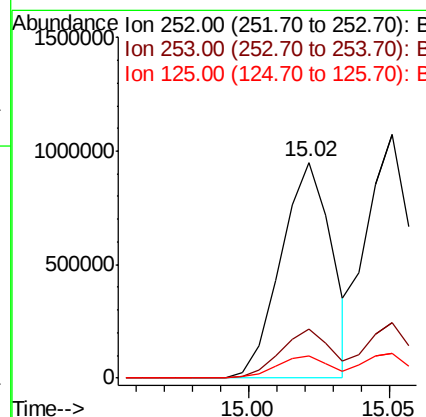
RT: 15.02 min Scan# 2199

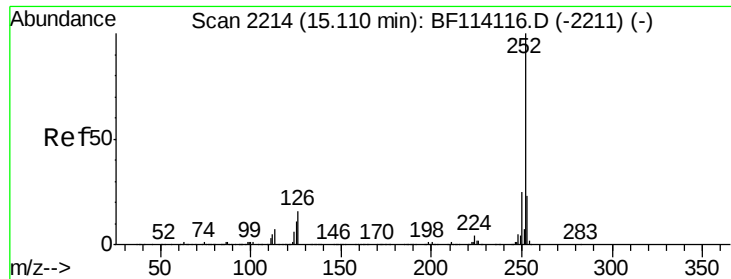
Delta R.T. -0.01 min

Lab File: BF114539.D

Acq: 23 May 2019 22:28

Tgt Ion:	252	Resp:	1193001
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.8
125	10.3	8.3	12.5





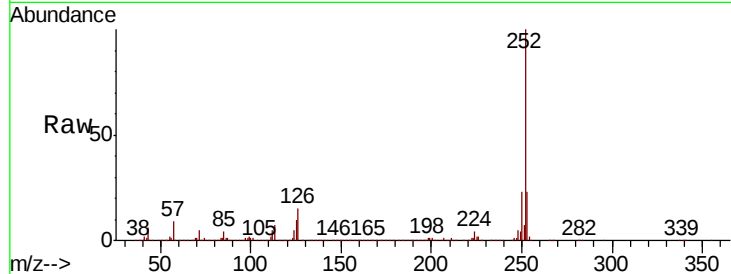
#89
Benzo(k)fluoranthene
Concen: 40.896 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	10.2	8.6	13.0

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM

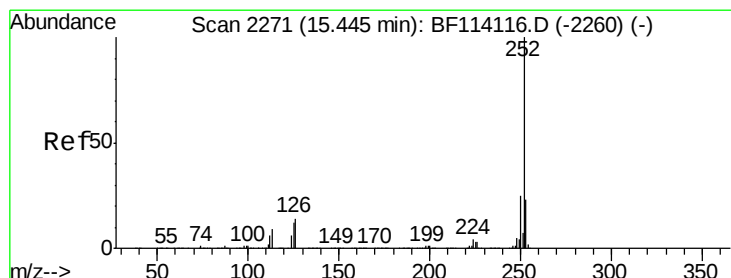
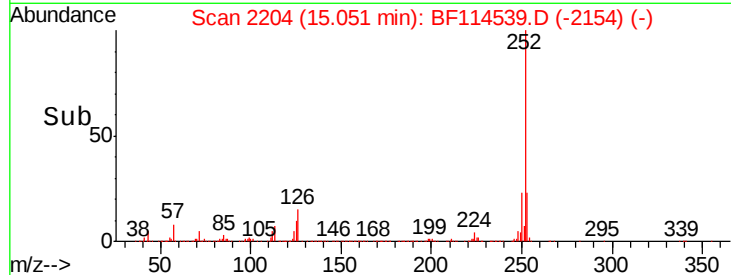
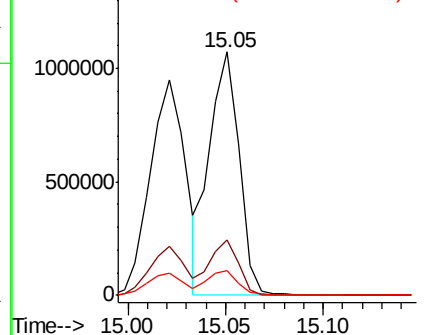


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 41.848 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

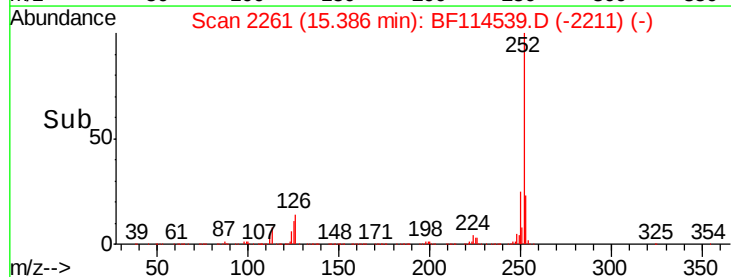
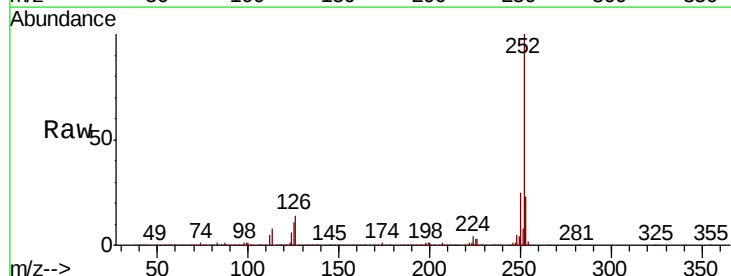
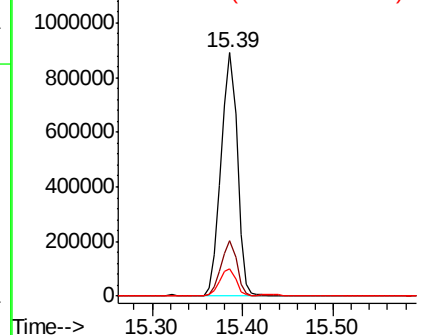
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.3	9.5	14.3

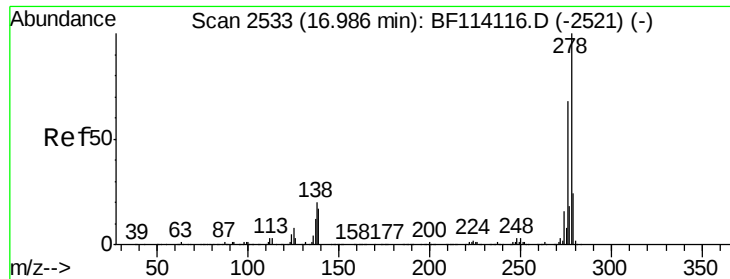
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





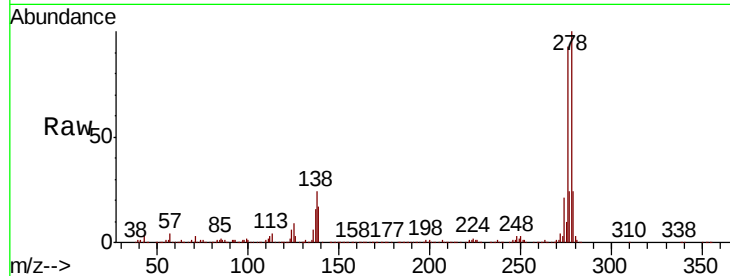
#91
Dibenzo(a,h)anthracene
Concen: 46.359 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Instrument :
BNA_F
ClientSampleId :
COMP-5.8.19MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.5	20.3
279	23.9	19.0	28.6

Manual Integrations
APPROVED

mohammad
5/24/2019 1:36:39 PM

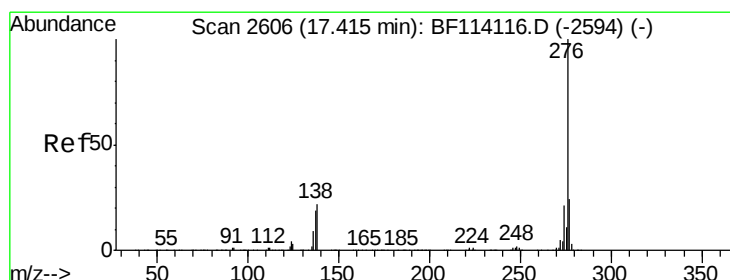
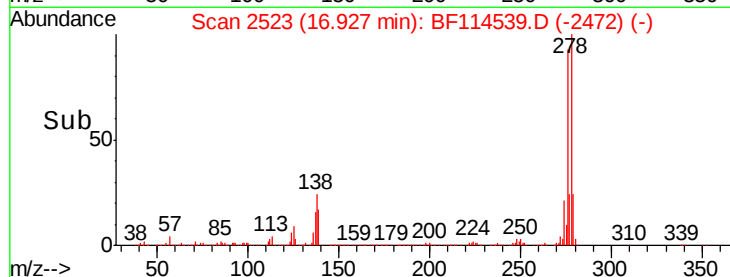
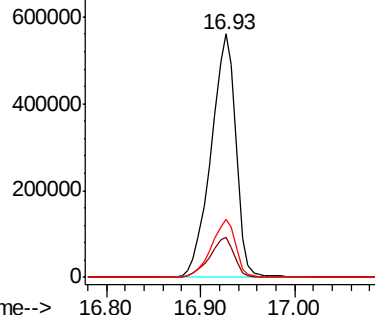


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 47.911 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.00 min
Lab File: BF114539.D
Acq: 23 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	21.3	17.8	26.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

