

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
 Data File : BF114703.D
 Acq On : 31 May 2019 12:59
 Operator : HP/JU
 Sample : K2971-15MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:21 AM

Quant Time: Jun 01 00:44:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	335551	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	1288633	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	639890	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1273853	20.00	ng	0.00
76) Chrysene-d12	13.83	240	795122	20.00	ng	0.01
87) Perylene-d12	15.22	264	986557	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	2491892	130.38	ng	0.02
7) Phenol-d6	6.34	99	3137657	136.24	ng	0.01
23) Nitrobenzene-d5	7.26	82	1932246	93.55	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	881852	144.63	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	3324817	100.53	ng	0.00
79) Terphenyl-d14	12.78	244	3684376	87.12	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	375701	40.964	ng	97
3) Pyridine	3.09	79	1095955	41.059	ng	99
4) n-Nitrosodimethylamine	3.02	42	465696	43.114	ng	97
6) Aniline	6.36	93	453562	13.038	ng	100
8) 2-Chlorophenol	6.49	128	1070814	48.515	ng	99
9) Benzaldehyde	6.24	77	562221	45.252	ng	94
10) Phenol	6.35	94	1238294	44.508	ng	97
11) bis(2-Chloroethyl)ether	6.44	93	970726	45.615	ng	98
12) 1,3-Dichlorobenzene	6.64	146	1143375	45.469	ng	99
13) 1,4-Dichlorobenzene	6.72	146	1151050	45.628	ng	99
14) 1,2-Dichlorobenzene	6.87	146	1064592	46.353	ng	99
15) Benzyl Alcohol	6.84	79	876557	48.386	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1373393	42.077	ng	98
17) 2-Methylphenol	6.96	107	895552	47.972	ng	99
18) Hexachloroethane	7.21	117	421252	44.104	ng	99
19) n-Nitroso-di-n-propylamine	7.12	70	693629	43.633	ng	99
20) 3+4-Methylphenols	7.11	107	1012673	46.123	ng	97
22) Acetophenone	7.11	105	1383075	50.373	ng	99
24) Nitrobenzene	7.28	77	1077282	49.100	ng	93
25) Isophorone	7.52	82	1964472	47.392	ng	99
26) 2-Nitrophenol	7.60	139	589164	55.165	ng	93
27) 2,4-Dimethylphenol	7.64	122	939332	52.884	ng	99
28) bis(2-Chloroethoxy)methane	7.73	93	1255360	47.575	ng	99
29) 2,4-Dichlorophenol	7.84	162	928640	51.365	ng	99
30) 1,2,4-Trichlorobenzene	7.92	180	1011146	49.090	ng	99
31) Naphthalene	8.00	128	2878869	48.501	ng	100
32) Benzoic acid	7.71	122	71758m	6.220	ng	
33) 4-Chloroaniline	8.05	127	190438	6.734	ng	95
34) Hexachlorobutadiene	8.13	225	536854	46.917	ng	100
35) Caprolactam	8.42	113	303501m	49.744	ng	
36) 4-Chloro-3-methylphenol	8.54	107	961249	53.017	ng	100
37) 2-Methylnaphthalene	8.69	142	2022189	51.275	ng	99
38) 1-Methylnaphthalene	8.79	142	1926906	51.569	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	841260	49.368	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
 Data File : BF114703.D
 Acq On : 31 May 2019 12:59
 Operator : HP/JU
 Sample : K2971-15MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

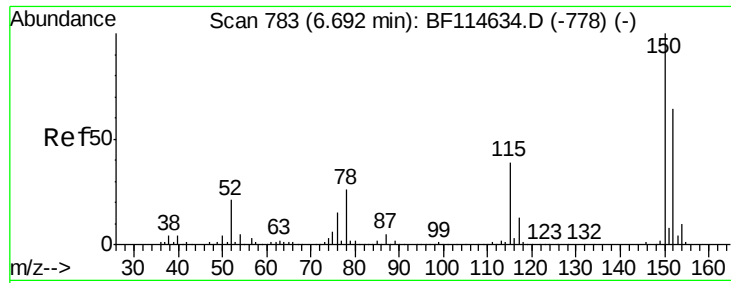
Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:21 AM

Quant Time: Jun 01 00:44:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	1010897	89.771	nq	99
43) 2,4,6-Trichlorophenol	8.97	196	680627	50.762	nq	100
44) 2,4,5-Trichlorophenol	9.00	196	695494	51.980	nq	97
46) 1,1'-Biphenyl	9.16	154	2352554	49.528	nq	98
47) 2-Chloronaphthalene	9.17	162	1919104	49.254	nq	98
48) 2-Nitroaniline	9.27	65	586402	48.769	nq	91
49) Acenaphthylene	9.59	152	2917365	48.466	nq	100
50) Dimethylphthalate	9.46	163	2524779	56.624	nq	99
51) 2,6-Dinitrotoluene	9.51	165	548962	52.985	nq	94
52) Acenaphthene	9.76	154	1895350	51.343	nq	100
53) 3-Nitroaniline	9.67	138	233571	18.420	nq	96
54) 2,4-Dinitrophenol	9.78	184	302660	74.059	nq	91
55) Dibenzofuran	9.93	168	2549320	48.514	nq	99
56) 4-Nitrophenol	9.85	139	929905	98.958	nq	93
57) 2,4-Dinitrotoluene	9.92	165	728921	54.819	nq	89
58) Fluorene	10.27	166	1814466	55.367	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	568432	51.902	nq	100
60) Diethylphthalate	10.16	149	2221042	48.771	nq	99
61) 4-Chlorophenyl-phenylether	10.27	204	888407	53.118	nq	97
62) 4-Nitroaniline	10.29	138	603186	48.816	nq	93
63) Azobenzene	10.43	77	1991968	47.642	nq	96
65) 4,6-Dinitro-2-methylphenol	10.32	198	249433	44.160	nq	80
66) n-Nitrosodiphenylamine	10.39	169	1857099	49.343	nq	100
67) 4-Bromophenyl-phenylether	10.75	248	650587	47.626	nq	96
68) Hexachlorobenzene	10.82	284	696163	47.051	nq	97
69) Atrazine	10.92	200	624746	58.095	nq	99
70) Pentachlorophenol	11.01	266	701143	82.207	nq	98
71) Phenanthrene	11.23	178	2942492	45.282	nq	100
72) Anthracene	11.28	178	3020857	45.932	nq	98
73) Carbazole	11.43	167	2834314	49.036	nq	99
74) Di-n-butylphthalate	11.77	149	3215095	46.428	nq	99
75) Fluoranthene	12.40	202	3162876	47.006	nq	99
77) Benzidine	12.52	184	552883	16.886	nq	# 91
78) Pyrene	12.63	202	3214477	47.791	nq	98
80) Butylbenzylphthalate	13.26	149	1598685	47.294	nq	96
81) Benzo(a)anthracene	13.82	228	2844796	46.558	nq	99
82) 3,3'-Dichlorobenzidine	13.77	252	410288	17.387	nq	98
83) Chrysene	13.86	228	2805801	48.062	nq	99
84) Bis(2-ethylhexyl)phthalate	13.83	149	1932771	46.249	nq	99
85) Di-n-octyl phthalate	14.44	149	3509794	48.338	nq	98
86) Indeno(1,2,3-cd)pyrene	16.56	276	2863461	48.974	nq	99
88) Benzo(b)fluoranthene	14.84	252	3054766	49.162	nq	100
89) Benzo(k)fluoranthene	14.87	252	2532386	46.889	nq	99
90) Benzo(a)pyrene	15.17	252	2668488	48.885	nq	98
91) Dibenzo(a,h)anthracene	16.58	278	2329303	48.290	nq	99
92) Benzo(g,h,i)perylene	16.96	276	2413470	51.552	nq	99

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



#1

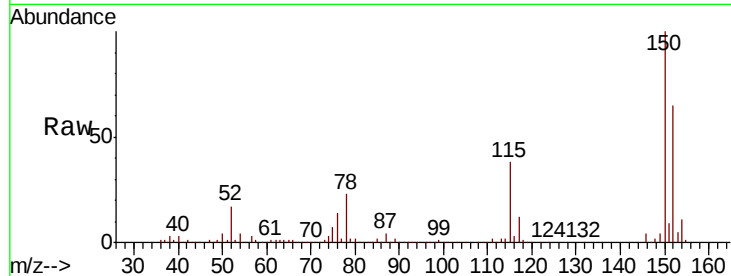
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.4	186.6
115	58.9	48.7	73.1

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:21 AM

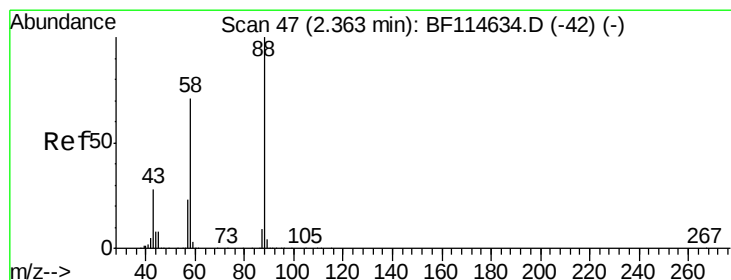
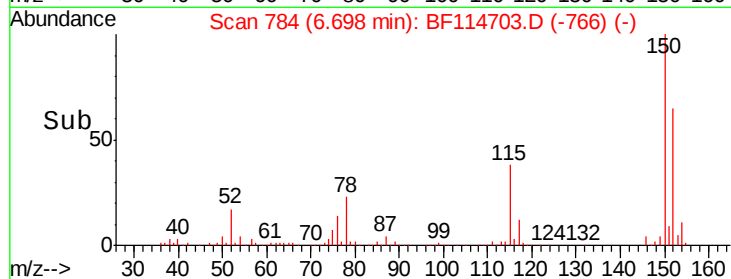
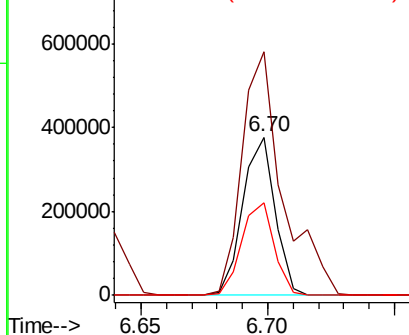


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

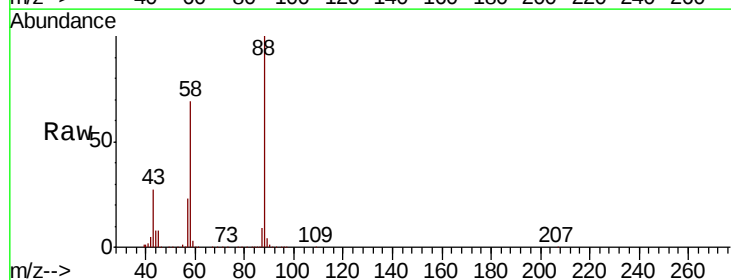
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
 Concen: 40.964 ng
 RT: 2.40 min Scan# 53
 Delta R.T. 0.04 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.0	57.2	85.8
43	26.5	22.6	33.8

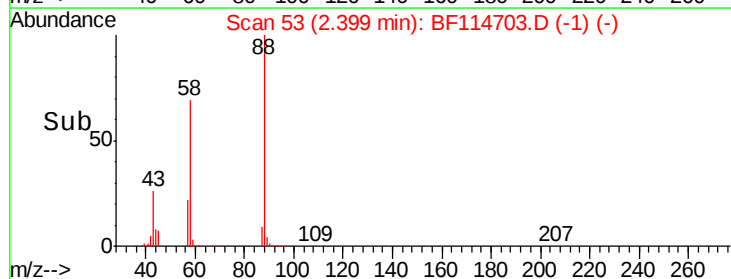
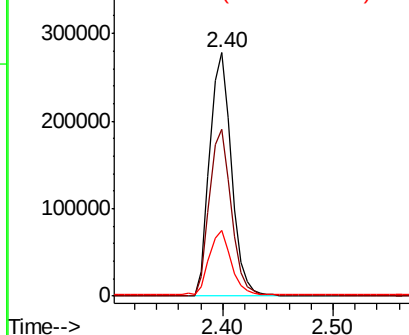


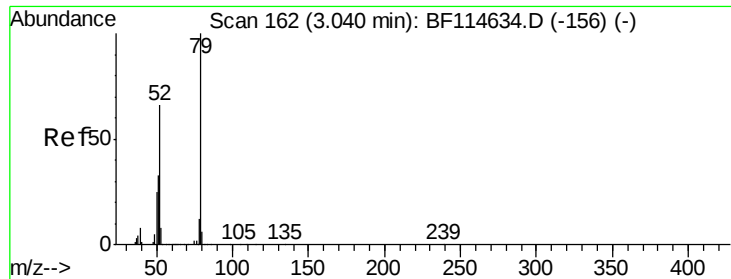
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 41.059 ng

RT: 3.09 min Scan# 170

Delta R.T. 0.05 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-4-052019MS

Tot Ion: 79 Resp: 1095955

Ion Ratio Lower Upper

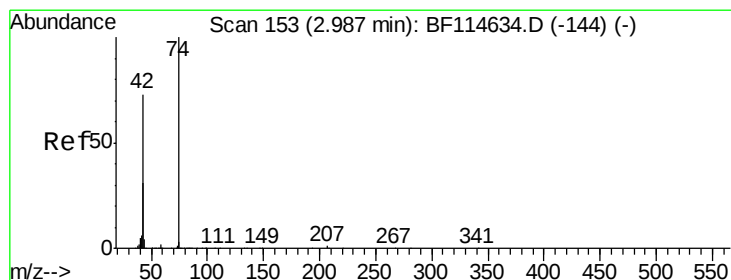
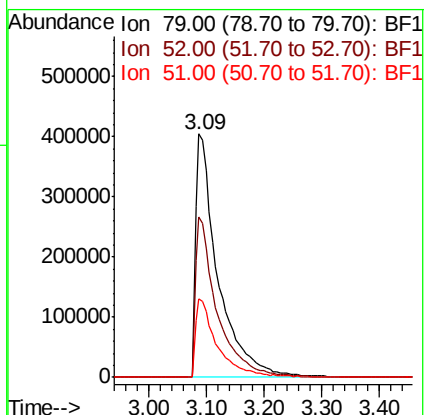
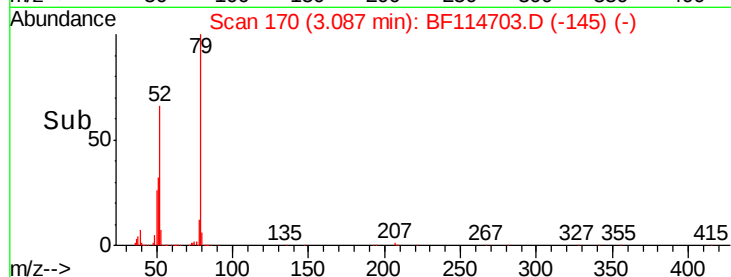
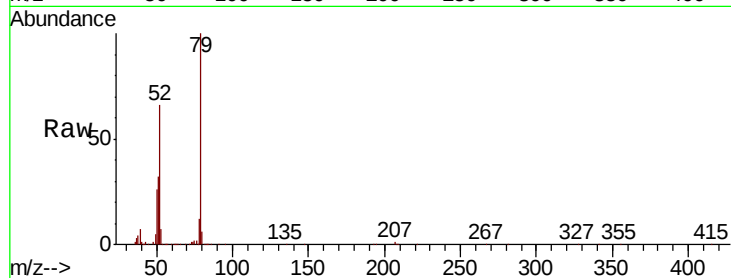
79 100

52 65.8 52.8 79.2

51 32.3 26.3 39.5

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



#4

n-Nitrosodimethylamine

Concen: 43.114 ng

RT: 3.02 min Scan# 159

Delta R.T. 0.04 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

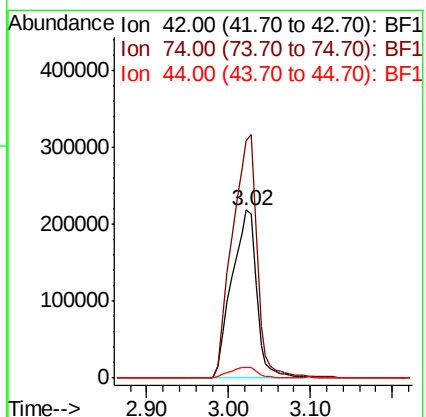
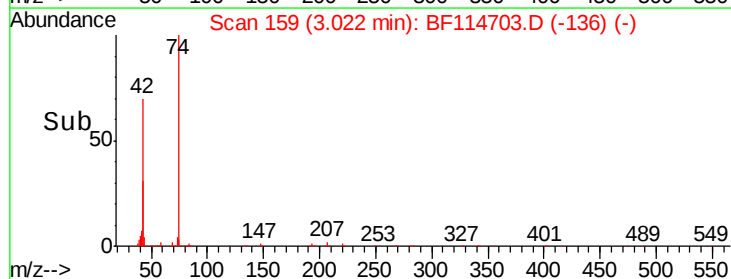
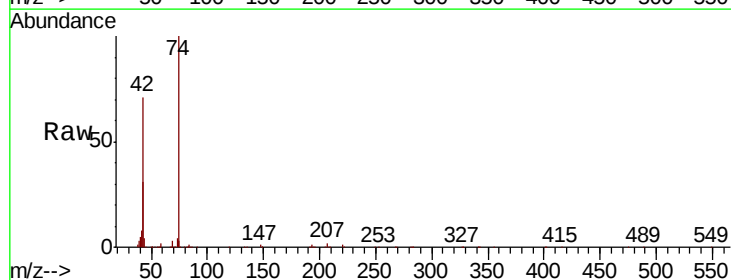
Tgt Ion: 42 Resp: 465696

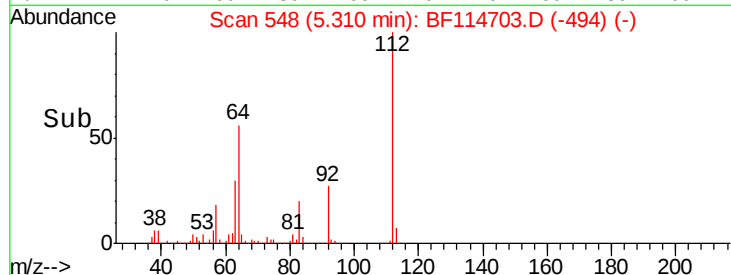
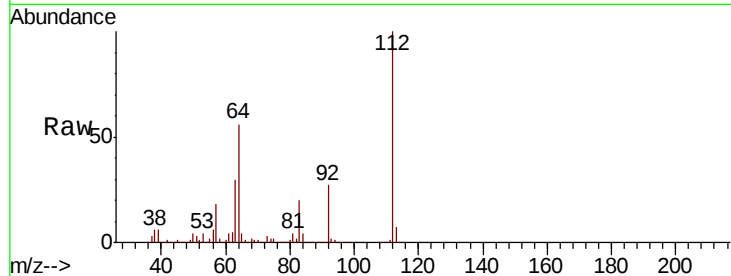
Ion Ratio Lower Upper

42 100

74 141.7 110.0 165.0

44 6.4 5.6 8.4





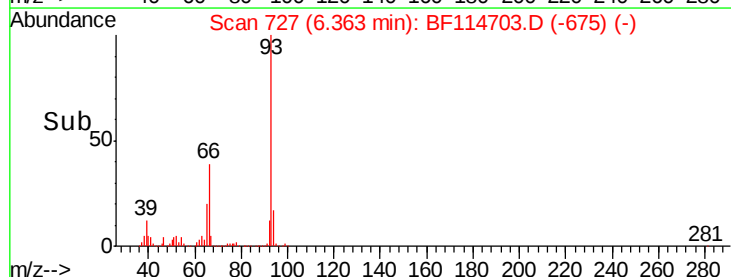
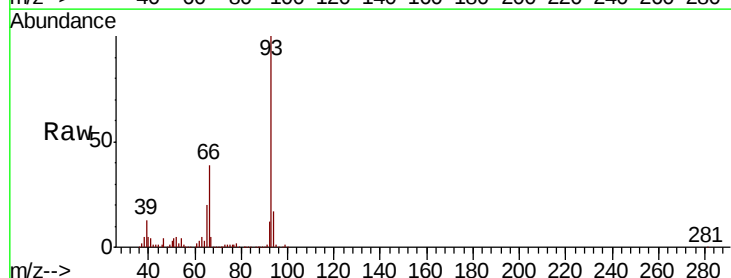
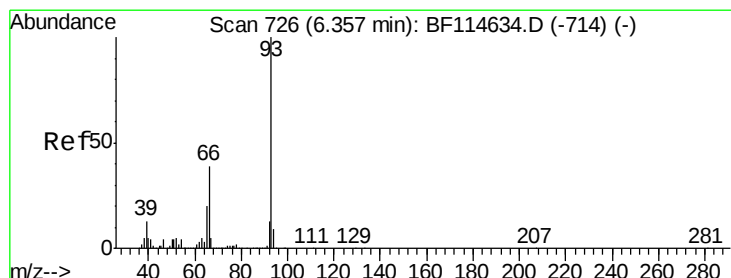
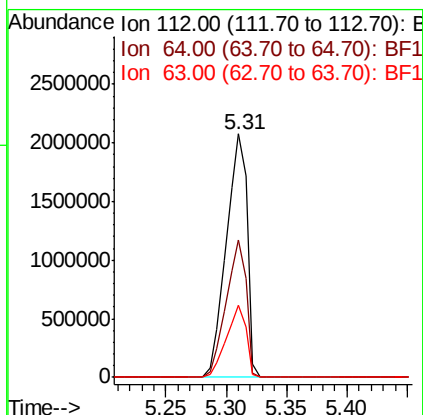
#5
2-Fluorophenol
Concen: 130.384 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.02 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tot Ion:	112	Resp:	2491892
Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.1	69.1
63	29.7	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

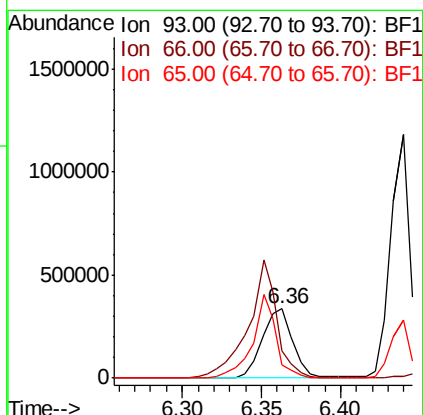
Manual Integrations
APPROVED

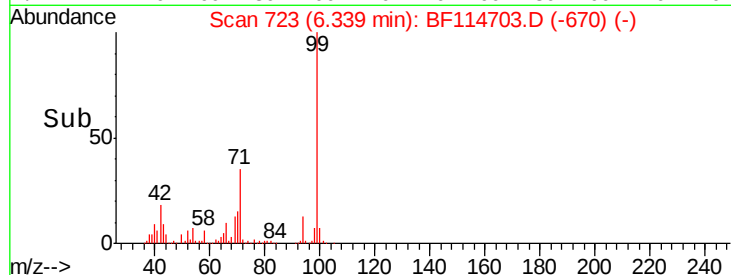
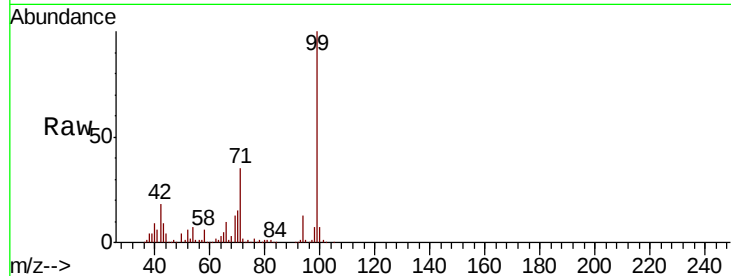
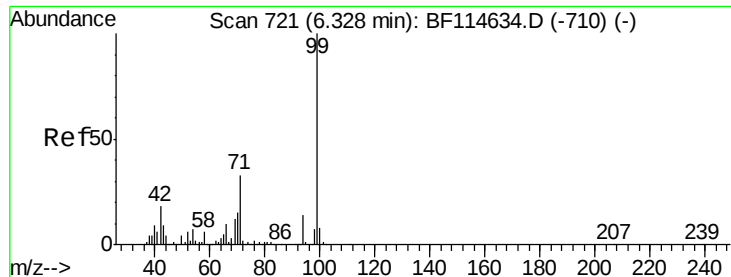
mohammad
6/3/2019 8:49:21 AM



#6
Aniline
Concen: 13.038 ng
RT: 6.36 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion:	93	Resp:	453562
Ion	Ratio	Lower	Upper
93	100		
66	39.5	31.4	47.2
65	19.9	16.2	24.2





#7

Phenol-d6

Concen: 136.238 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Tot Ion:	99	Resp:	3137657
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.7	22.1
71	35.0	26.6	40.0

Instrument :

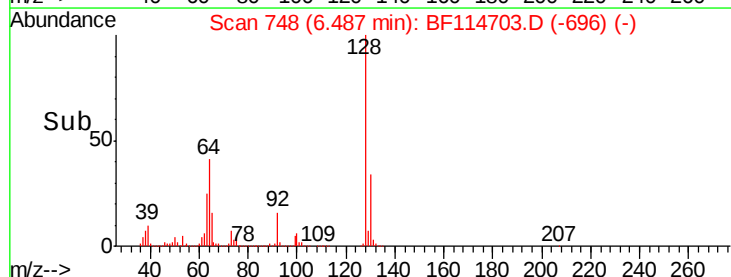
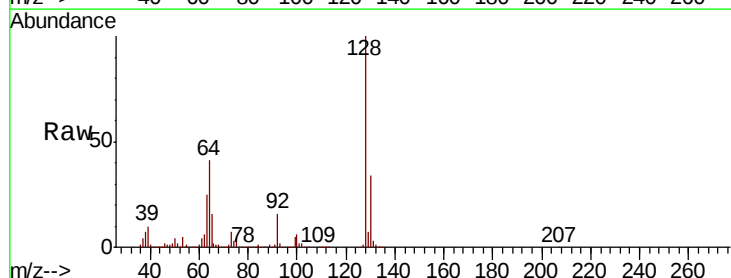
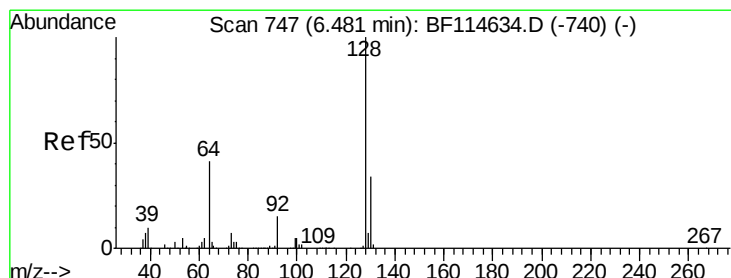
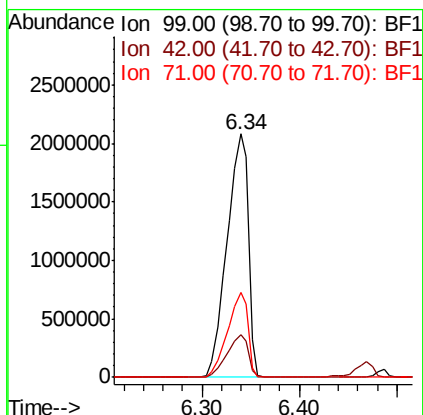
BNA_F

ClientSampleId :

SUP-2A-C-4-052019MS

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



#8

2-Chlorophenol

Concen: 48.515 ng

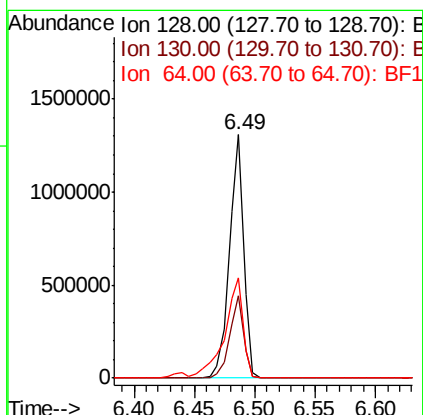
RT: 6.49 min Scan# 748

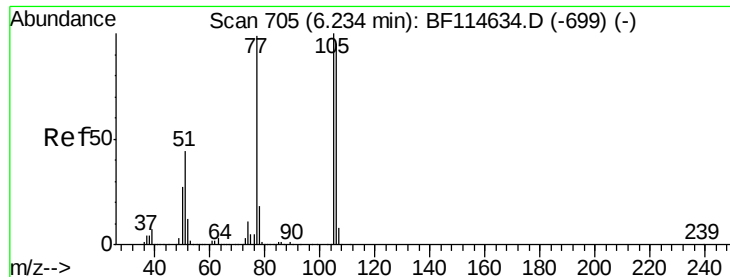
Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Tgt Ion:	128	Resp:	1070814
Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.9	53.9
64	41.0	22.0	62.0





#9

Benzaldehyde

Concen: 45.252 ng

RT: 6.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

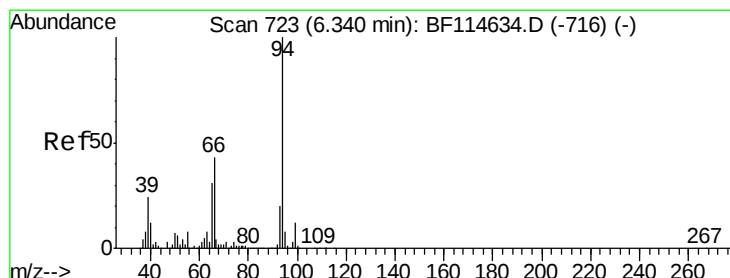
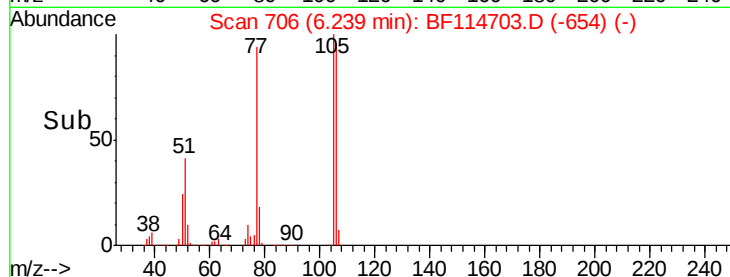
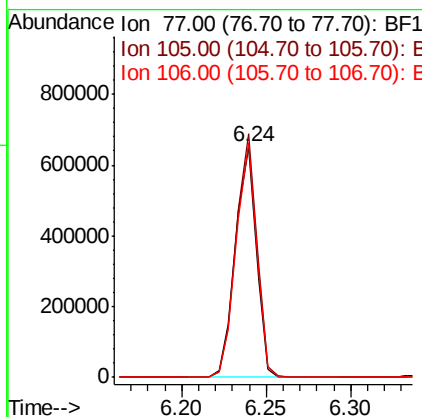
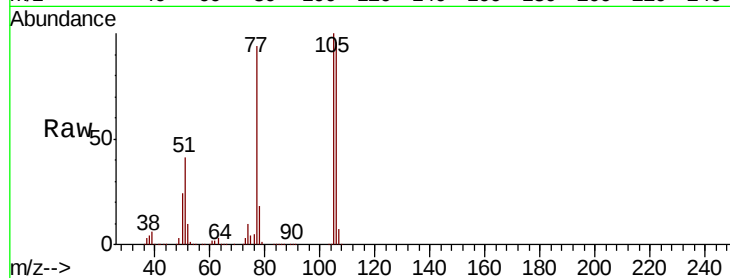
ClientSampleId :

SUP-2A-C-4-052019MS

Tot Ion:	77	Resp:	562221
Ion Ratio	Lower	Upper	
77	100		
105	105.9	80.8	120.8
106	102.1	76.2	116.2

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



#10

Phenol

Concen: 44.508 ng

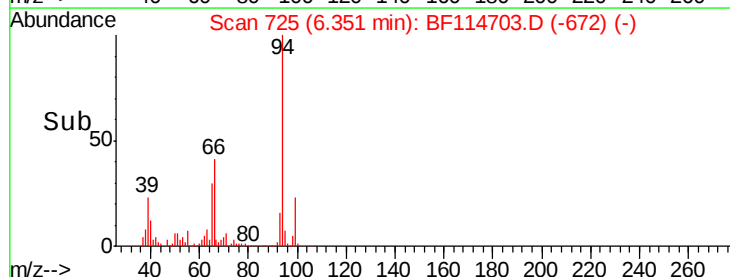
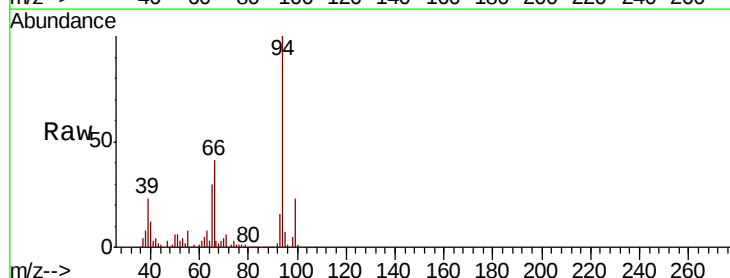
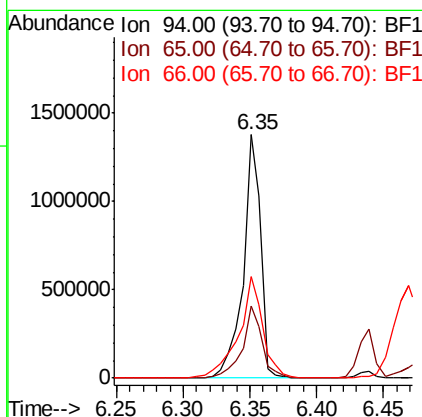
RT: 6.35 min Scan# 725

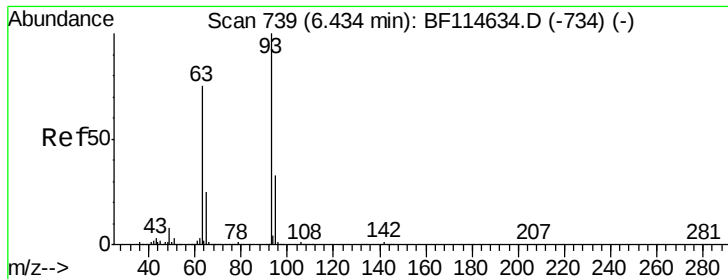
Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Tgt Ion:	94	Resp:	1238294
Ion Ratio	Lower	Upper	
94	100		
65	29.5	11.0	51.0
66	41.5	23.0	63.0





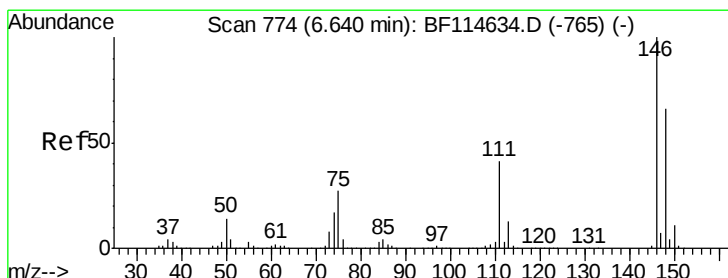
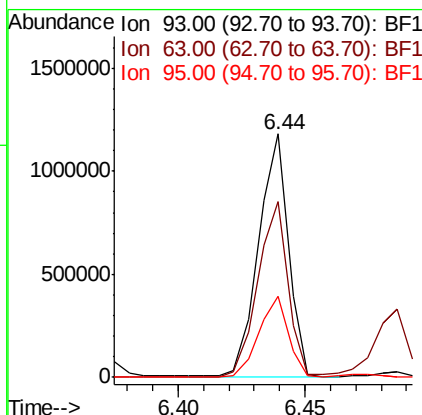
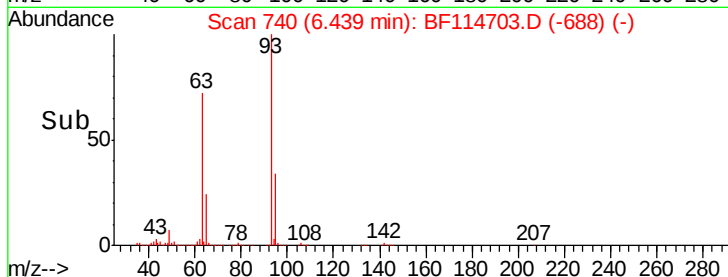
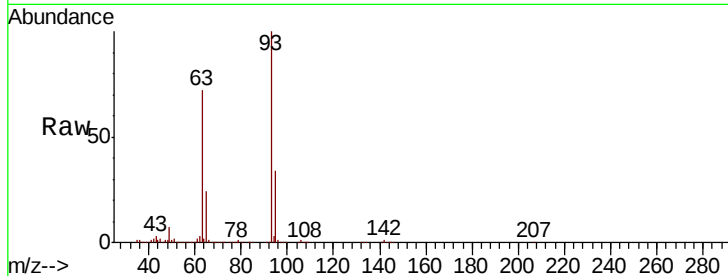
#11
bis(2-Chloroethyl)ether
Concen: 45.615 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	72.4	55.0	95.0	
95	33.5	13.5	53.5	

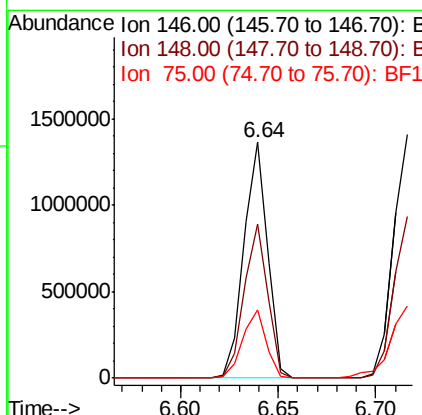
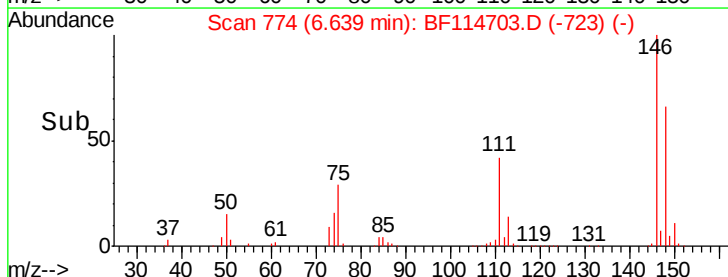
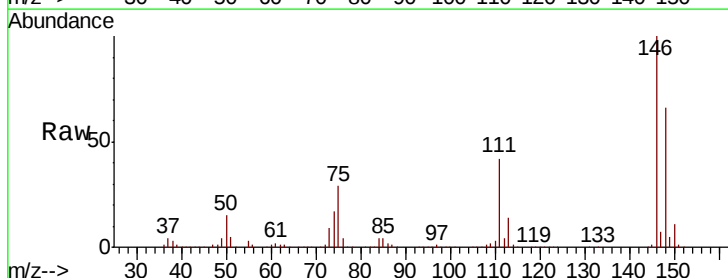
Manual Integrations
APPROVED

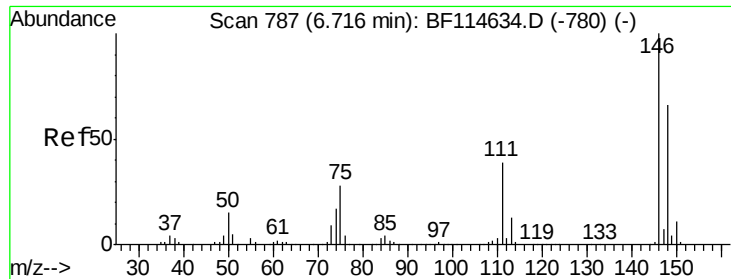
mohammad
6/3/2019 8:49:21 AM



#12
1,3-Dichlorobenzene
Concen: 45.469 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	65.5	52.9	79.3	
75	29.2	22.0	33.0	





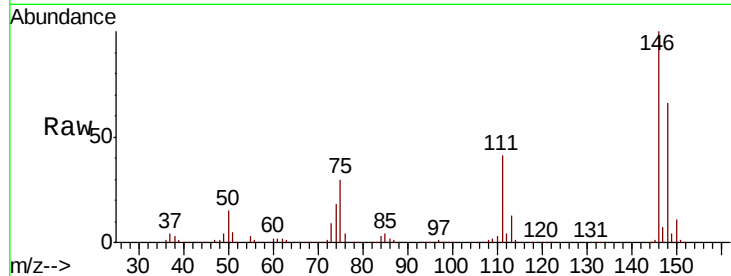
#13
 1,4-Dichlorobenzene
 Concen: 45.628 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.5	52.5	78.7
111	40.6	31.4	47.2

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:21 AM

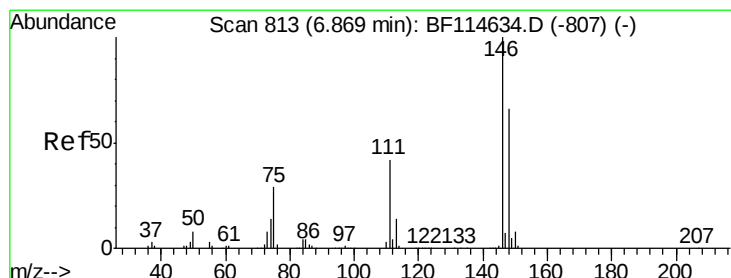
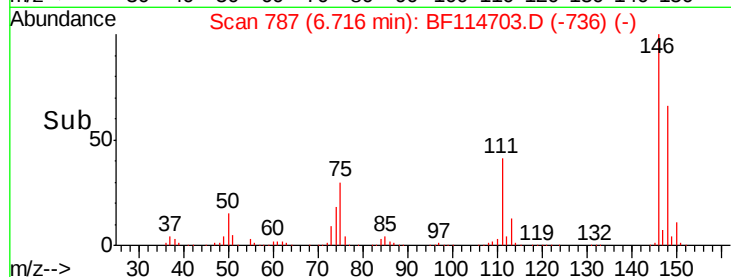
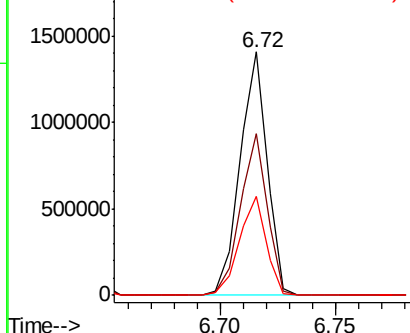


Abundance

Ion 146.00 (145.70 to 146.70): E

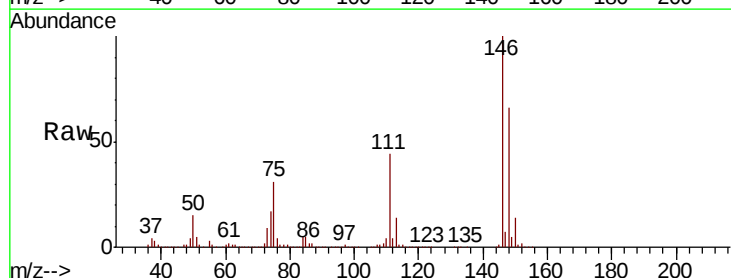
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 46.353 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.6	79.0
111	43.8	34.1	51.1

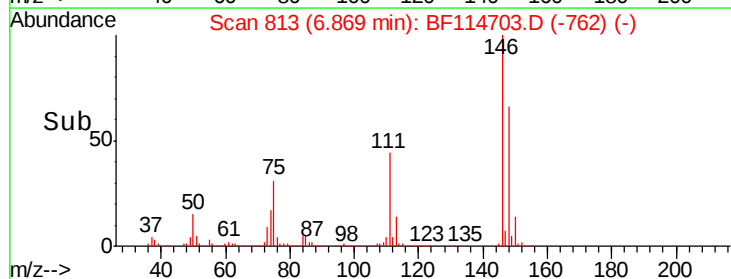
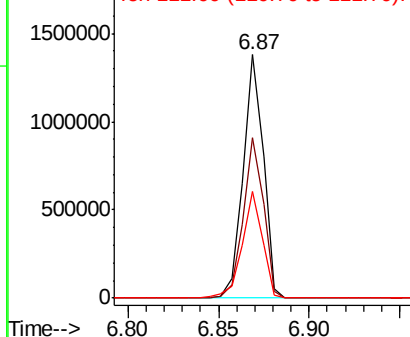


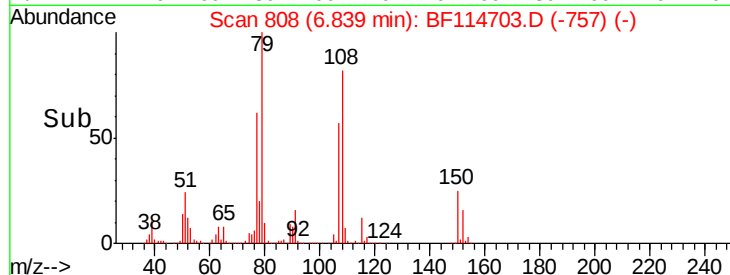
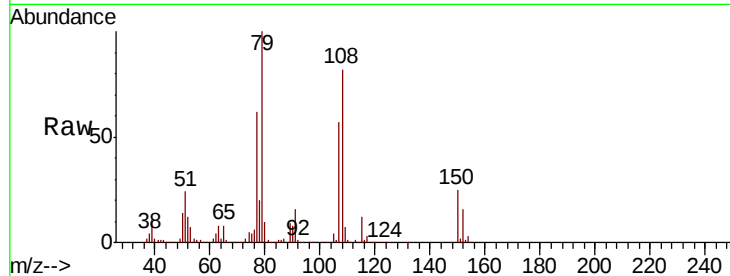
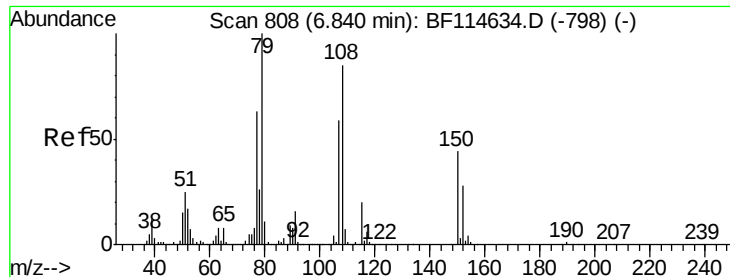
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





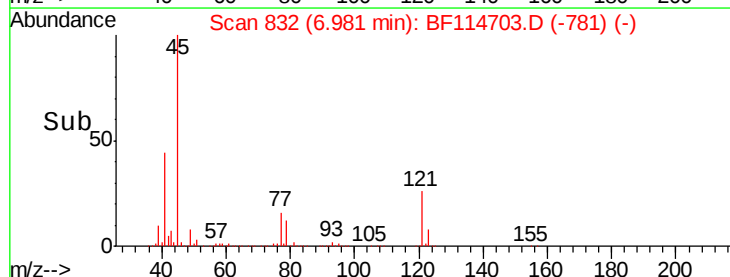
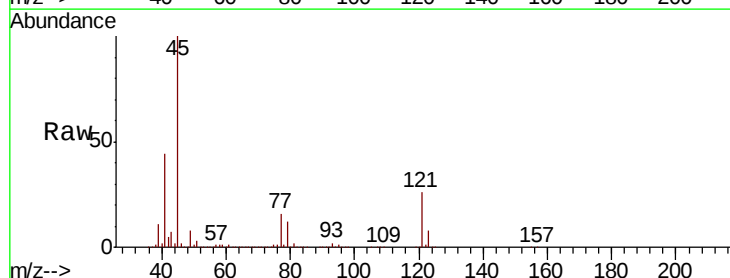
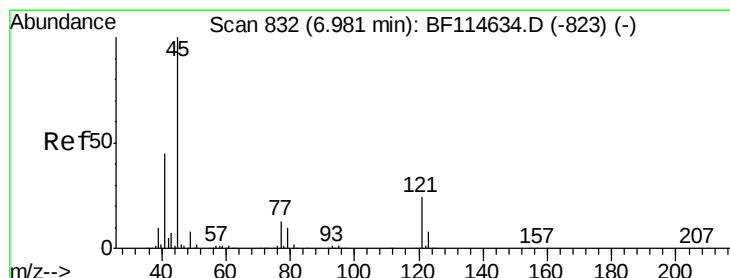
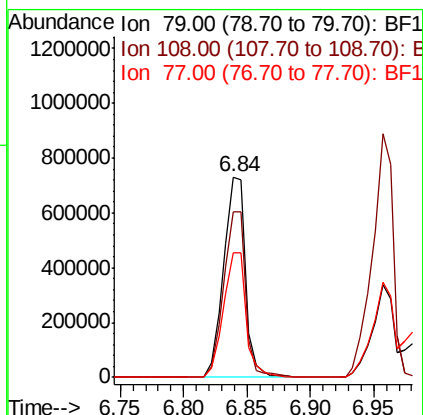
#15
Benzyl Alcohol
Concen: 48.386 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tot Ion	Ratio	Lower	Upper
79	100		
108	82.3	67.8	101.8
77	62.0	50.7	76.1

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

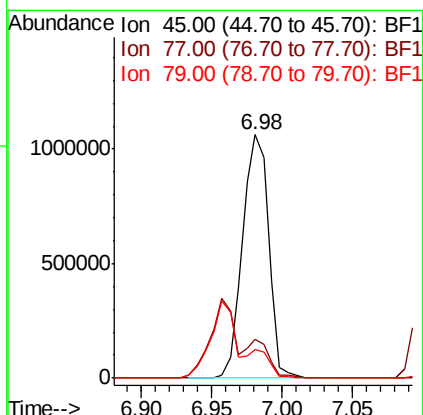
Manual Integrations
APPROVED

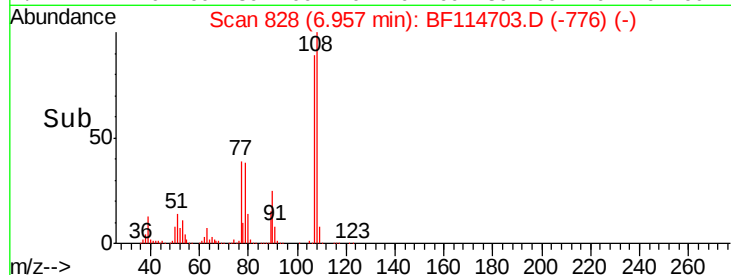
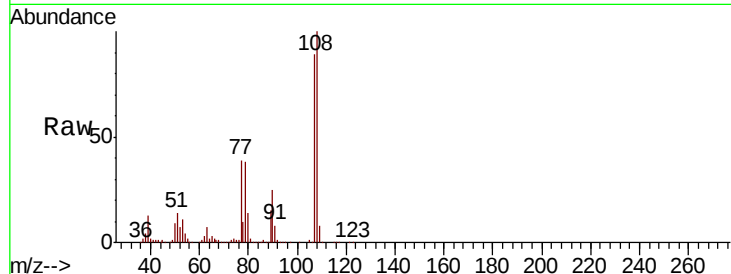
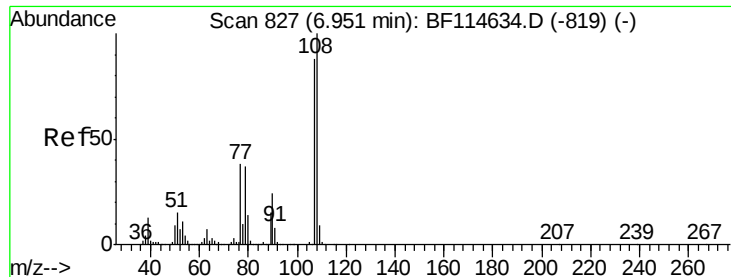
mohammad
6/3/2019 8:49:21 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.077 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	34.7
79	11.7	0.0	31.3





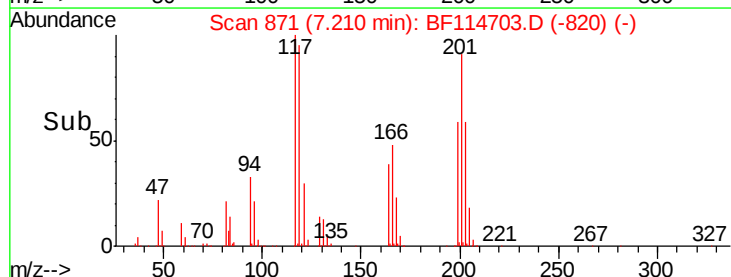
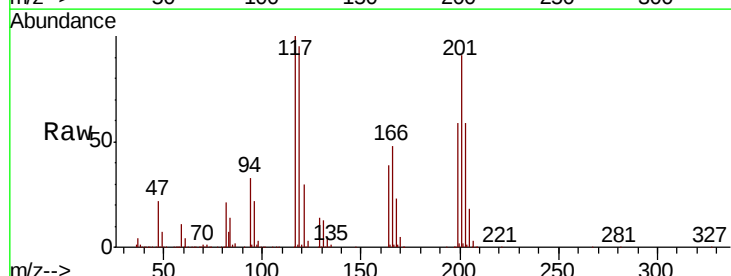
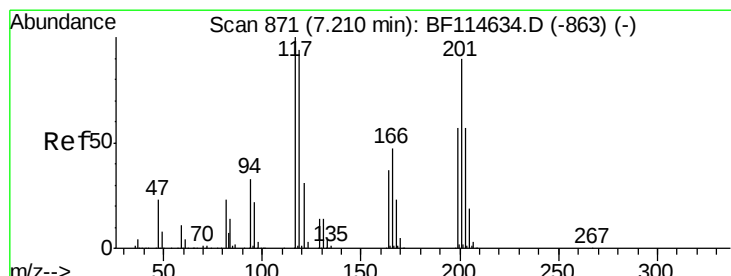
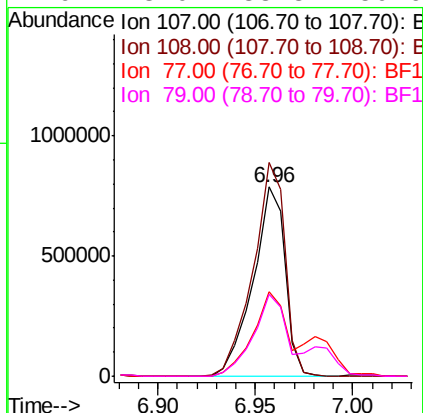
#17
2-Methylphenol
Concen: 47.972 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.8	91.1	136.7	
77	44.4	34.9	52.3	
79	43.0	33.8	50.6	

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

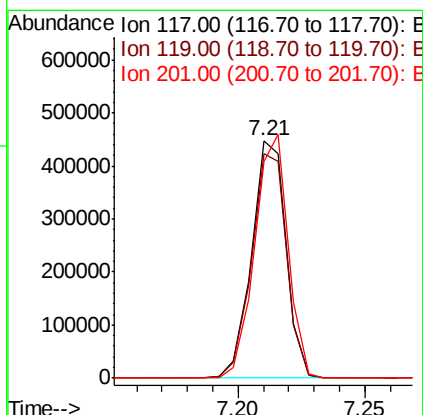
Manual Integrations
APPROVED

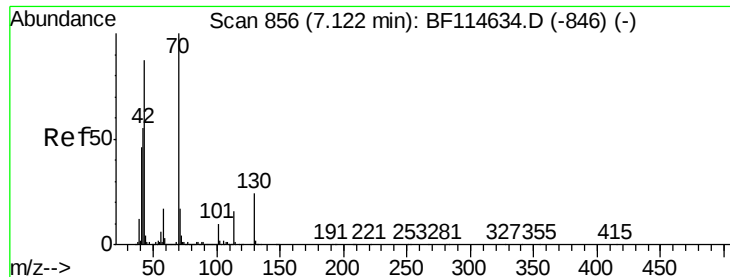
mohammad
6/3/2019 8:49:21 AM



#18
Hexachloroethane
Concen: 44.104 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.7	75.6	113.4	
201	91.5	71.7	107.5	





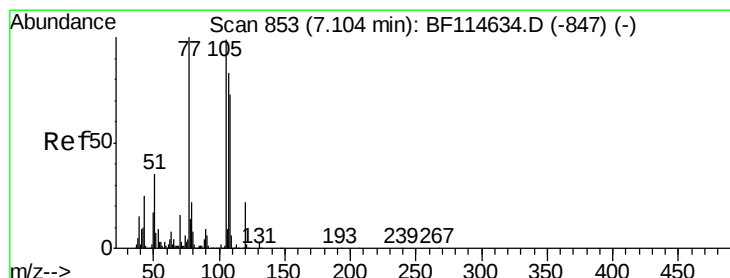
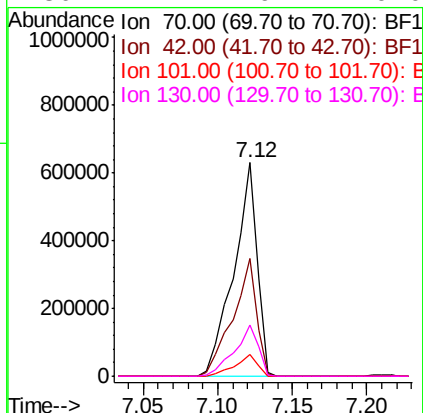
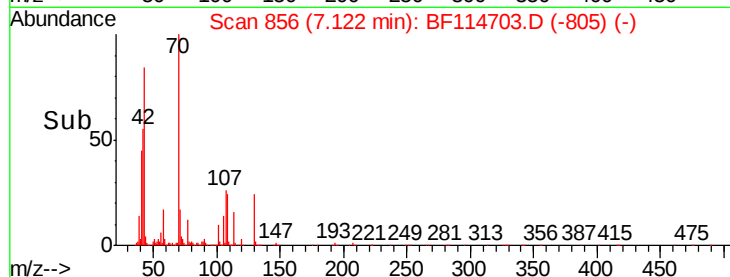
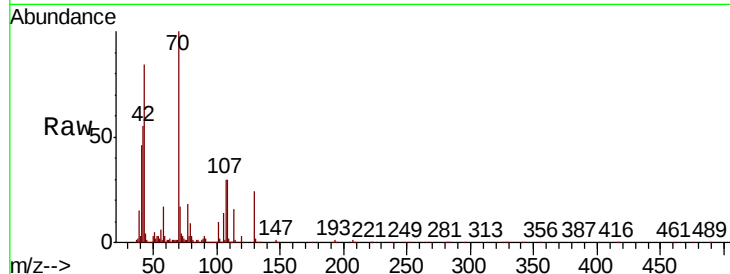
#19
n-Nitroso-di-n-propylamine
Concen: 43.633 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.9	44.4	66.6
101	9.9	8.2	12.4
130	24.1	19.4	29.0

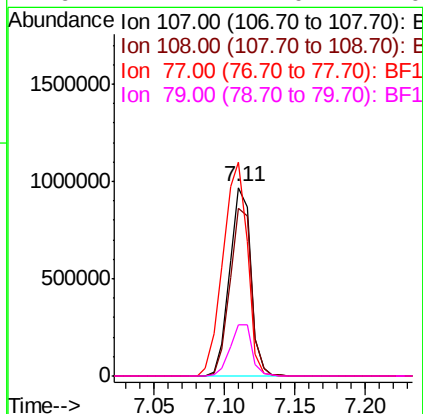
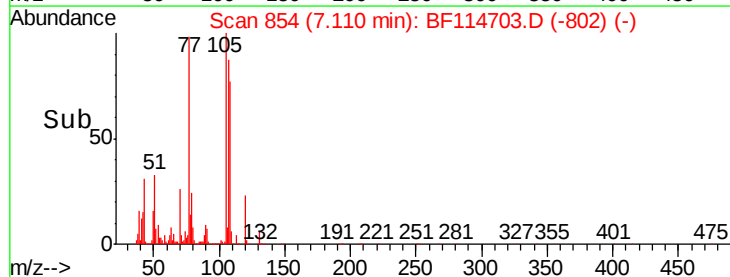
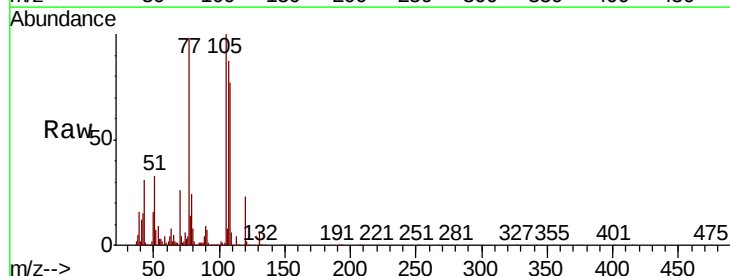
Manual Integrations
APPROVED

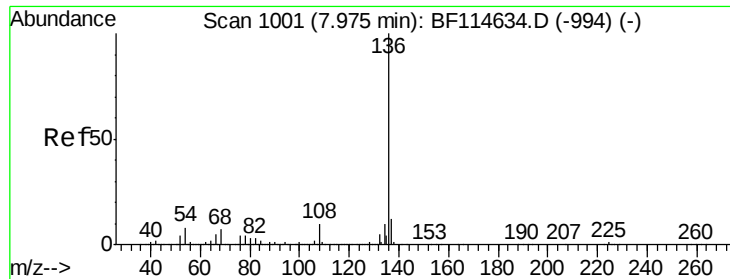
mohammad
6/3/2019 8:49:21 AM



#20
3+4-Methylphenols
Concen: 46.123 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.6	108.6
77	113.2	100.5	140.5
79	27.2	7.0	47.0





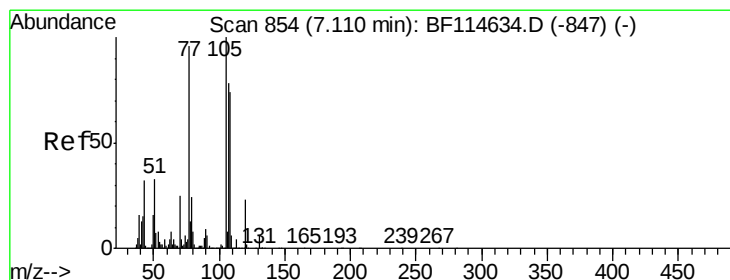
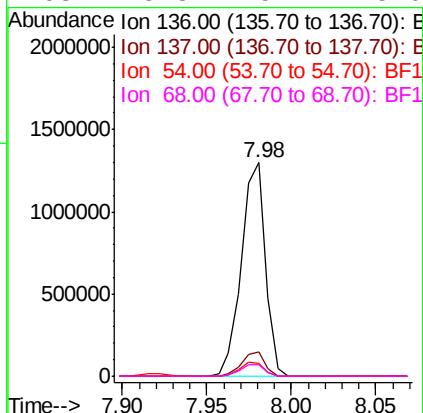
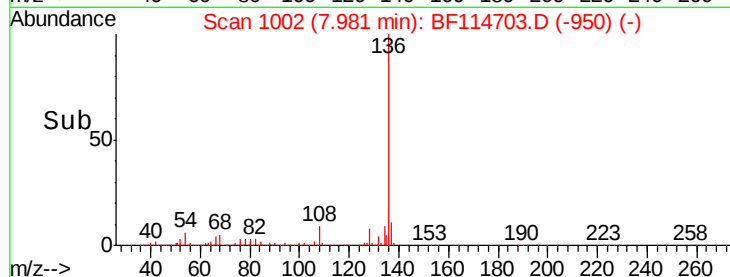
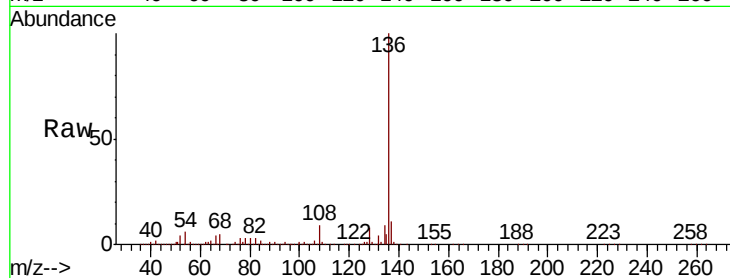
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	6.3	6.3	9.5#
68	5.3	5.4	8.0#

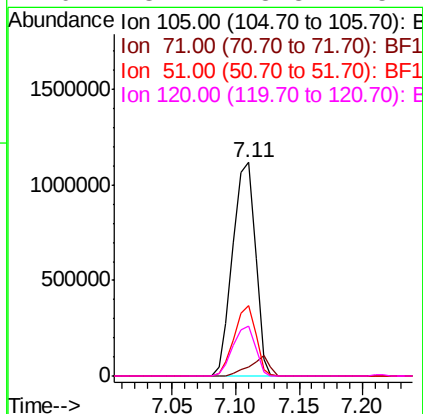
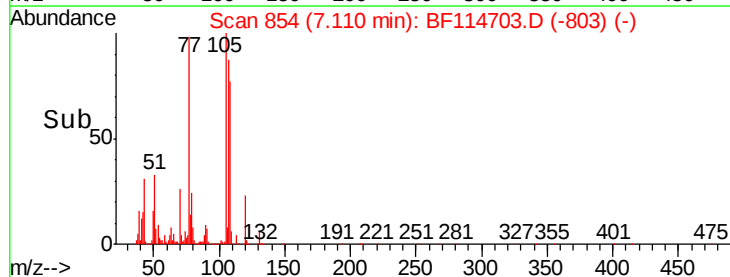
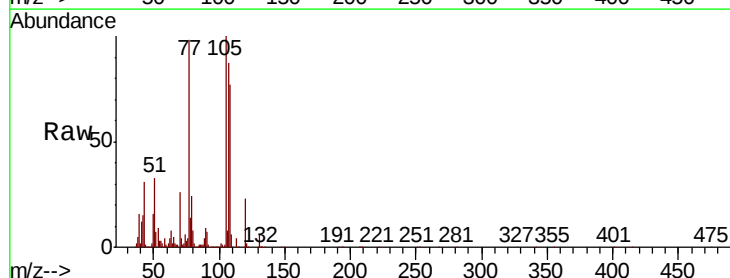
Manual Integrations
APPROVED

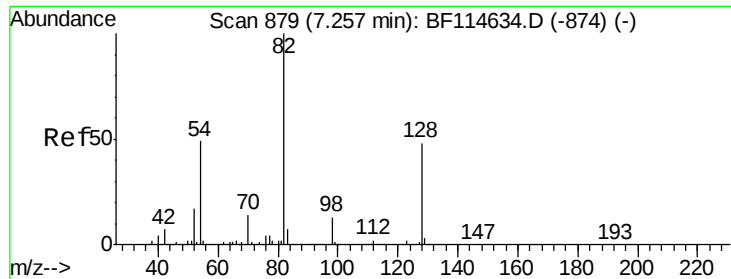
mohammad
6/3/2019 8:49:21 AM



#22
Acetophenone
Concen: 50.373 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.3	3.6	5.4
51	33.0	26.0	39.0
120	23.4	18.8	28.2





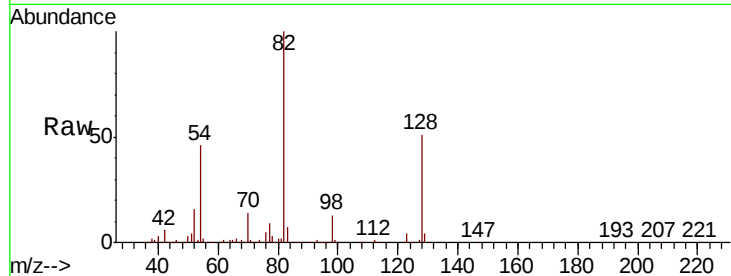
#23
 Nitrobenzene-d5
 Concen: 93.550 ng
 RT: 7.26 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	82	Resp	1932246
Ion Ratio	100	Lower	Upper
82	100		
128	51.1	38.5	57.7
54	46.5	39.1	58.7

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:21 AM

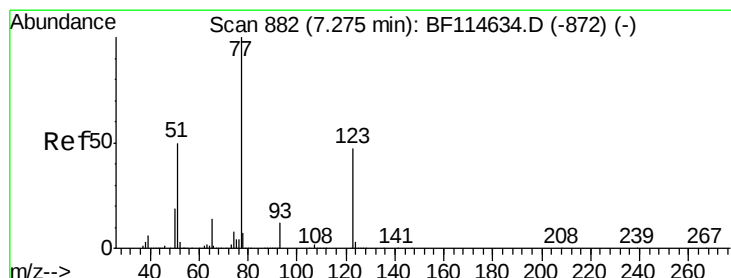
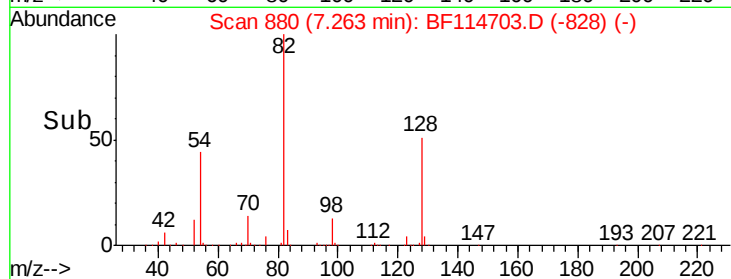
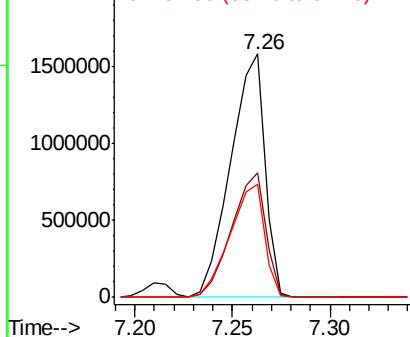


Abundance

Ion 82.00 (81.70 to 82.70): BF1

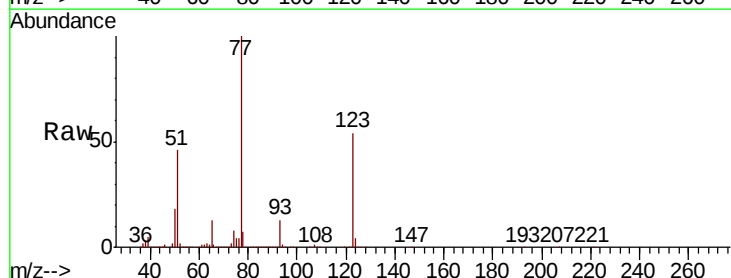
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24
 Nitrobenzene
 Concen: 49.100 ng
 RT: 7.28 min Scan# 883
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	77	Resp	1077282
Ion Ratio	100	Lower	Upper
77	100		
123	54.1	38.5	57.7
65	13.2	11.2	16.8

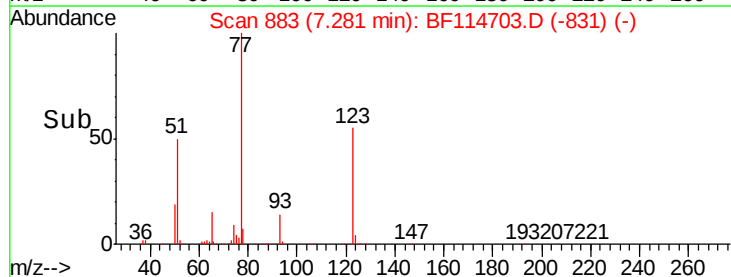
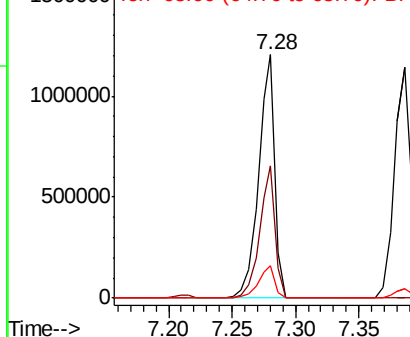


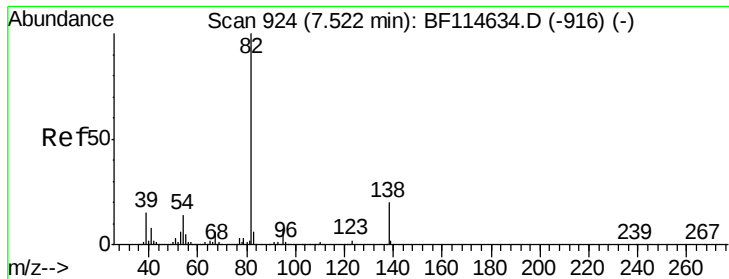
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 47.392 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-4-052019MS

Tot Ion: 82 Resp: 1964472

Ion Ratio Lower Upper

82 100

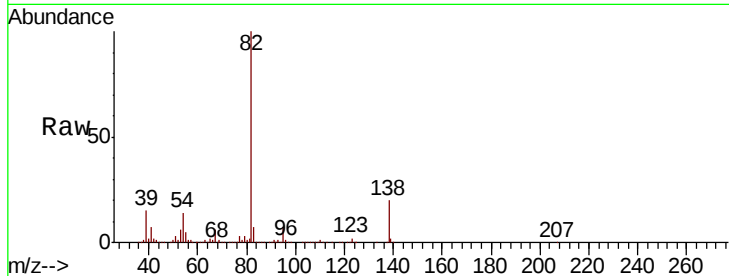
95 7.2 5.6 8.4

138 20.4 15.9 23.9

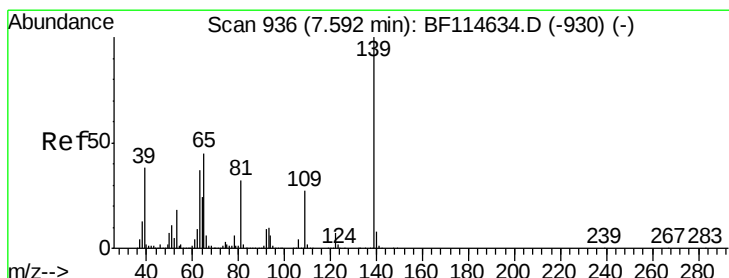
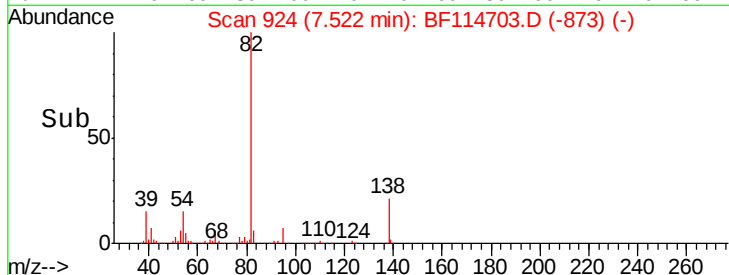
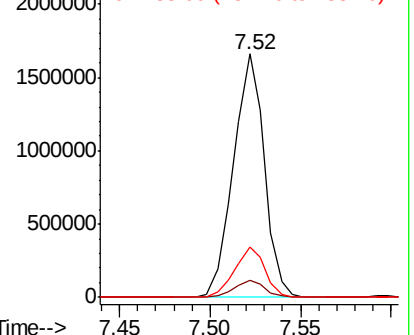
Manual Integrations
APPROVED

mohammad

6/3/2019 8:49:21 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 55.165 ng

RT: 7.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

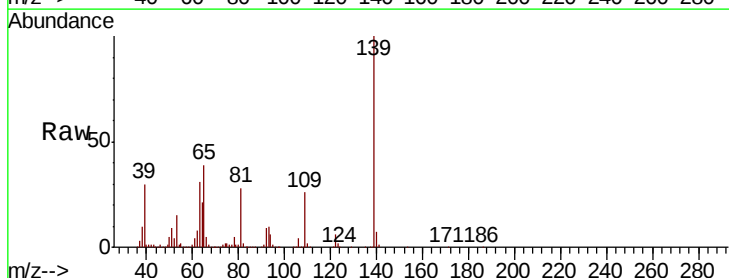
Tgt Ion: 139 Resp: 589164

Ion Ratio Lower Upper

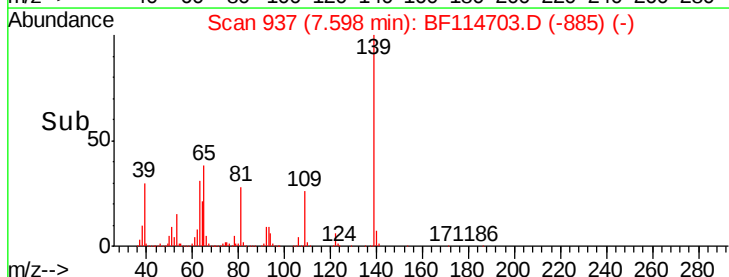
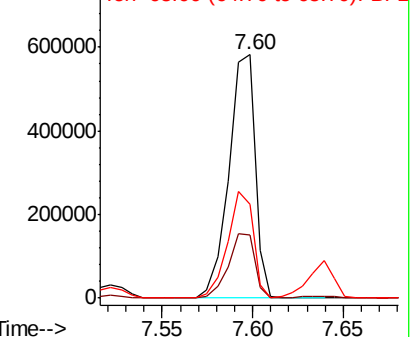
139 100

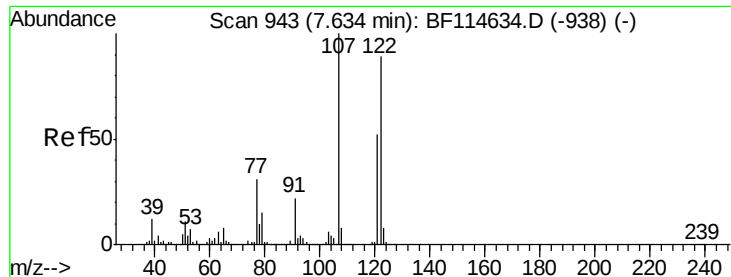
109 25.8 21.7 32.5

65 38.6 36.3 54.5



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





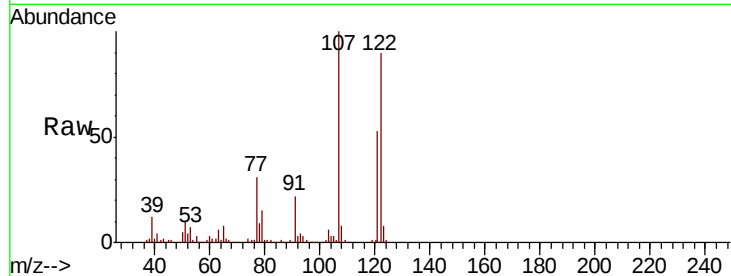
#27
 2,4-Dimethylphenol
 Concen: 52.884 ng
 RT: 7.64 min Scan# 944
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	939332		
107	110.8	89.3	133.9	
121	59.2	46.8	70.2	

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:21 AM

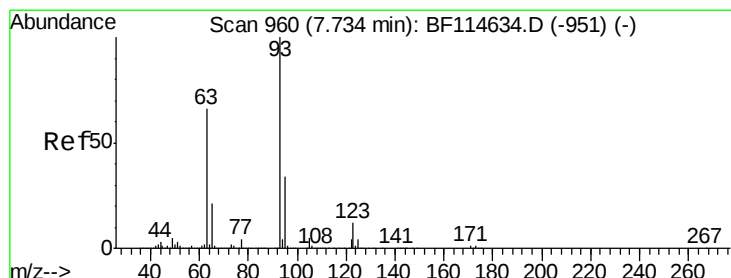
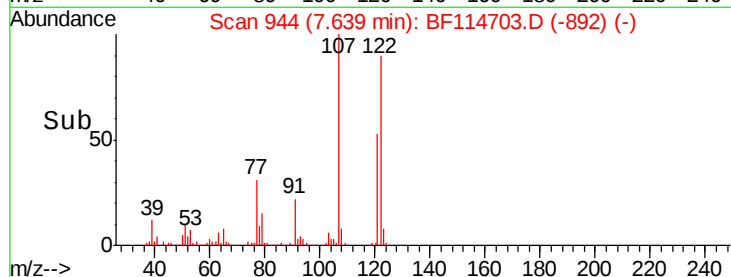
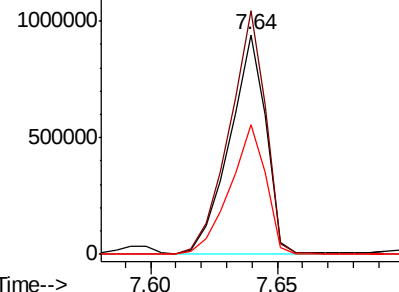


Abundance

Ion 122.00 (121.70 to 122.70): E

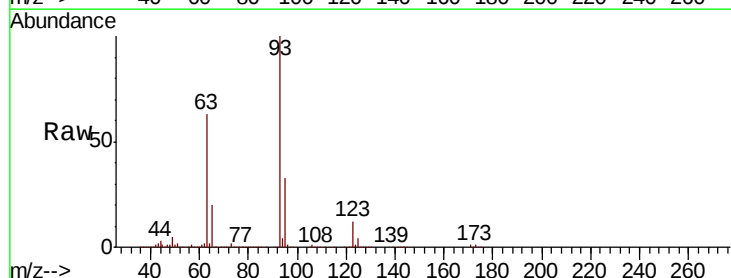
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 47.575 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1255360		
95	33.3	27.0	40.4	
123	12.0	10.2	15.2	

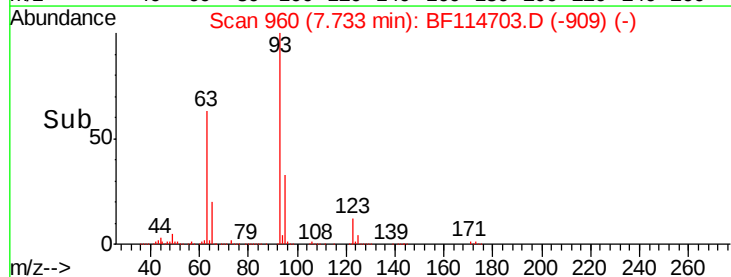
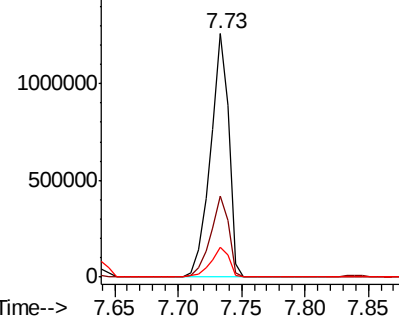


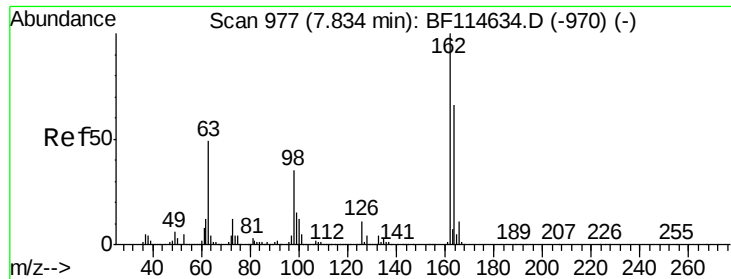
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 51.365 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

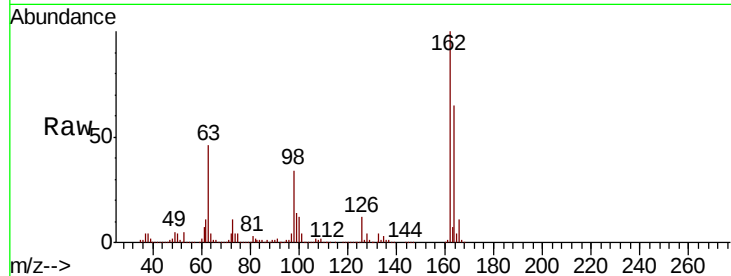
ClientSampleId :

SUP-2A-C-4-052019MS

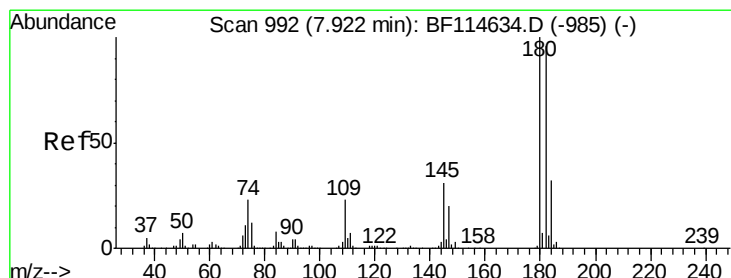
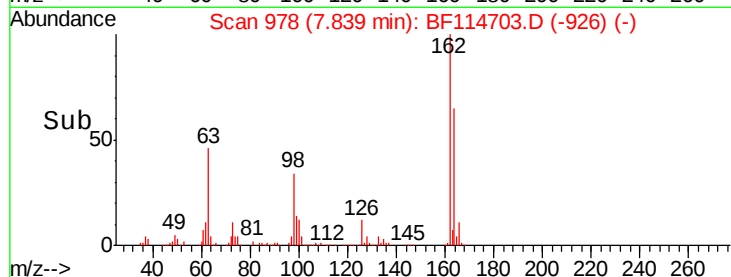
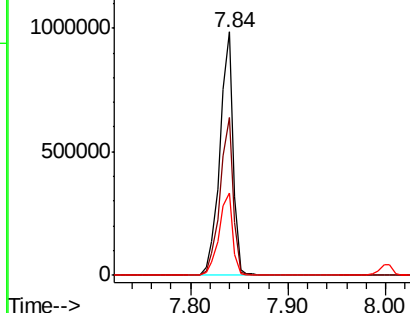
Tot Ion:	162	Resp:	928640
Ion Ratio	Lower	Upper	
162	100		
164	65.0	45.8	85.8
98	34.0	14.9	54.9

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



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: 49.090 ng

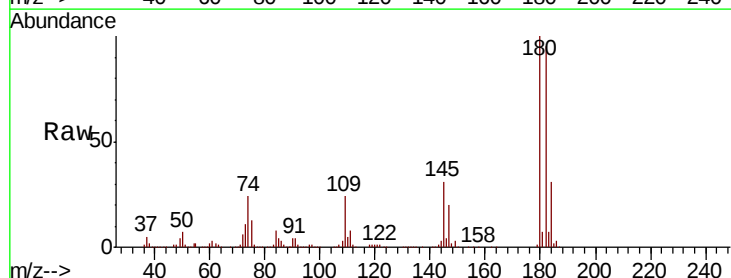
RT: 7.92 min Scan# 992

Delta R.T. -0.00 min

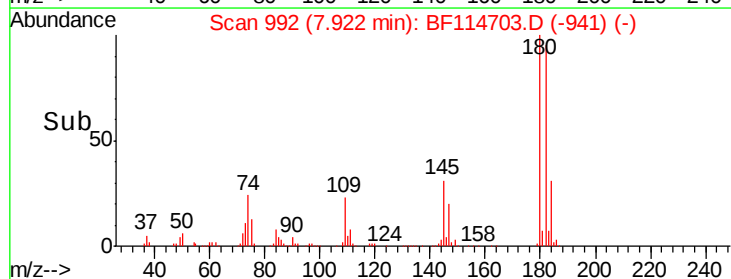
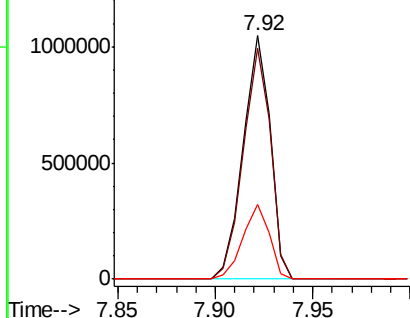
Lab File: BF114703.D

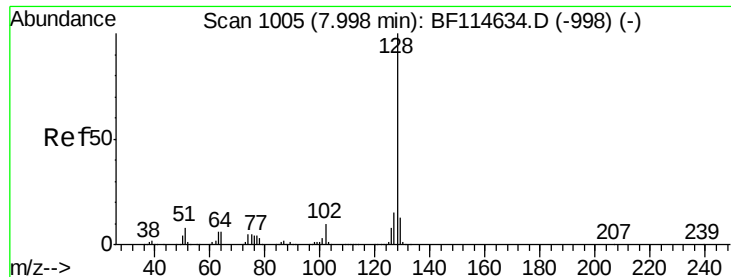
Acq: 31 May 2019 12:59

Tgt Ion:	180	Resp:	1011146
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.9	115.3
145	30.8	24.5	36.7



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





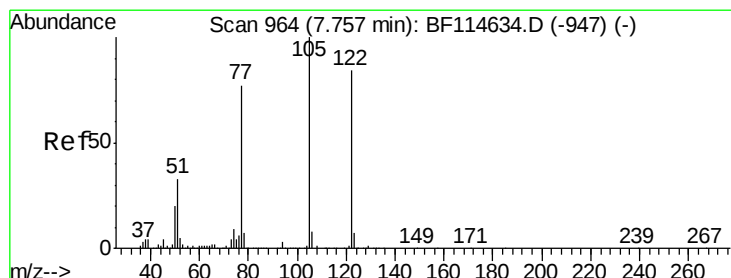
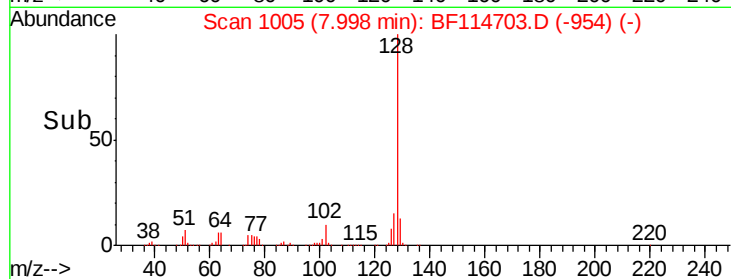
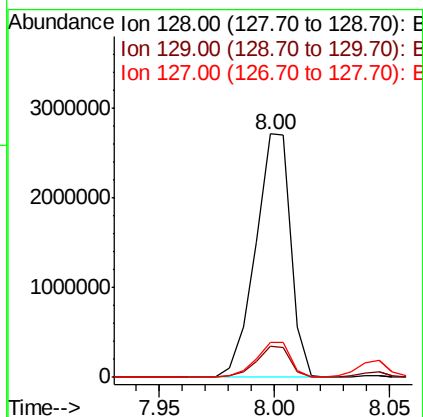
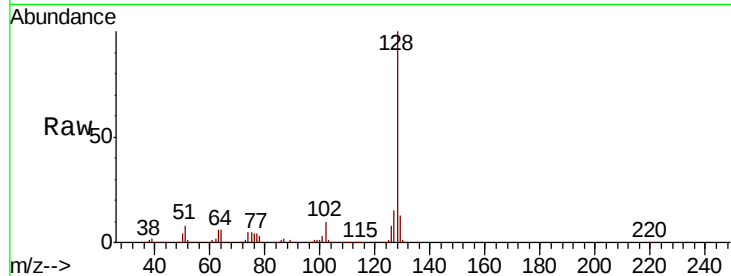
#31
Naphthalene
Concen: 48.501 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.2	15.2
127	14.6	11.9	17.9

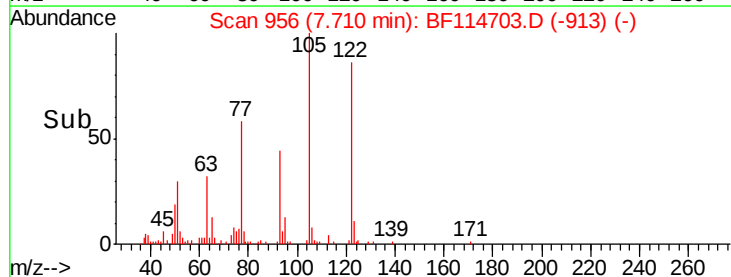
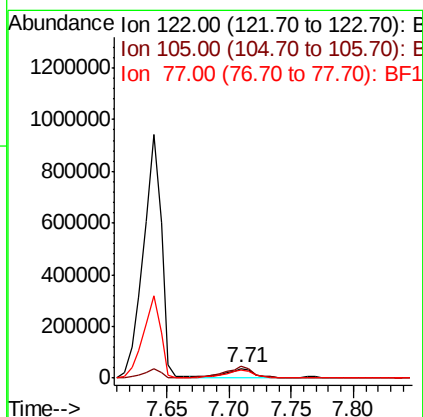
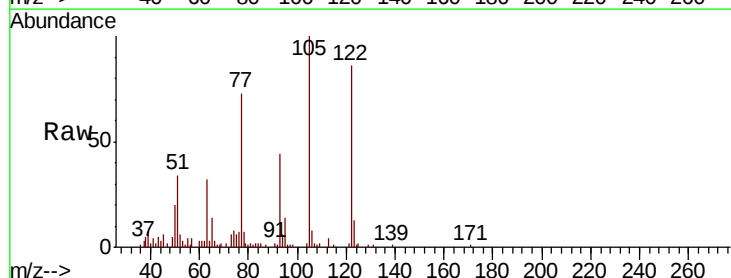
Manual Integrations
APPROVED

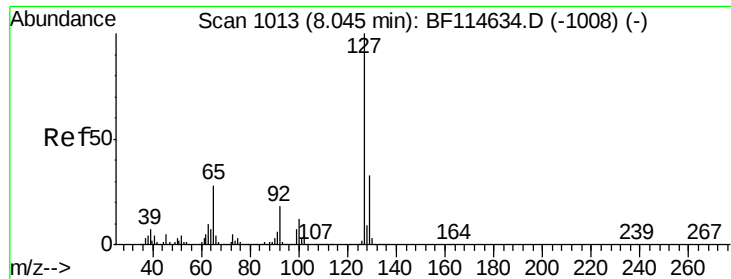
mohammad
6/3/2019 8:49:21 AM



#32
Benzoic acid
Concen: 6.220 ng m
RT: 7.71 min Scan# 956
Delta R.T. -0.05 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	115.7	98.3	138.3
77	84.9	70.7	110.7





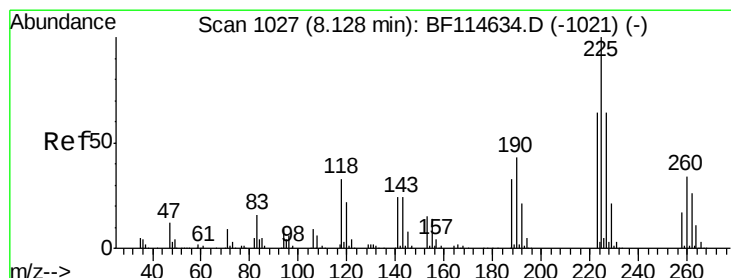
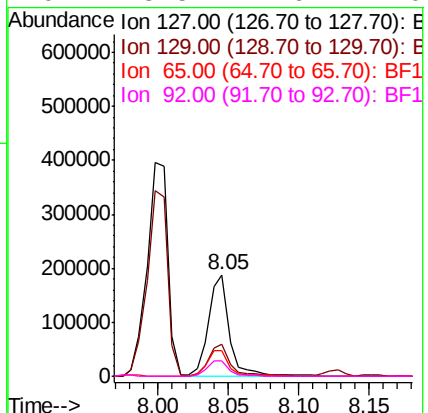
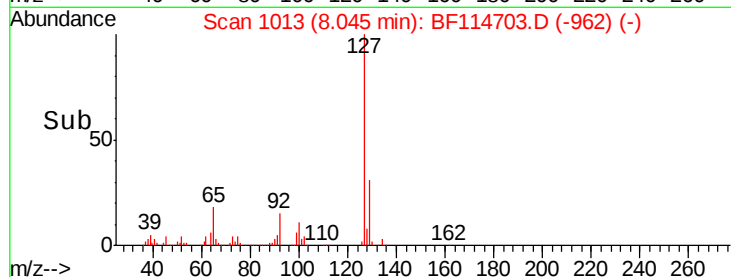
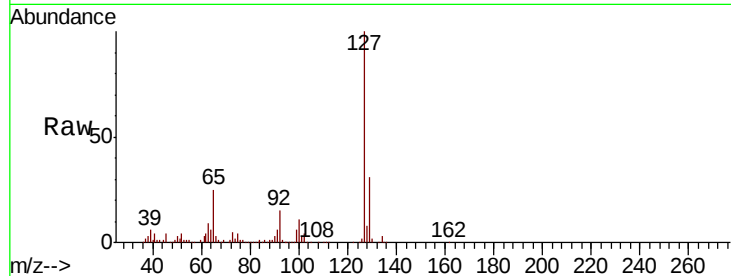
#33
4-Chloroaniline
Concen: 6.734 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		190438		
129	31.4	26.7	40.1		
65	24.9	22.5	33.7		
92	15.5	14.6	22.0		

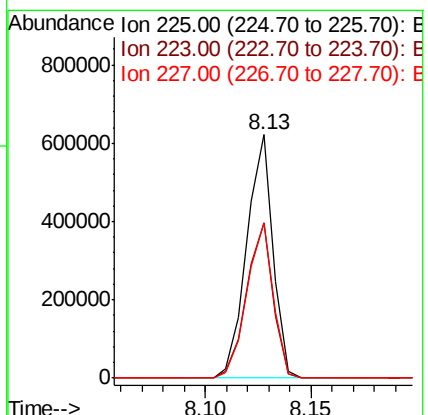
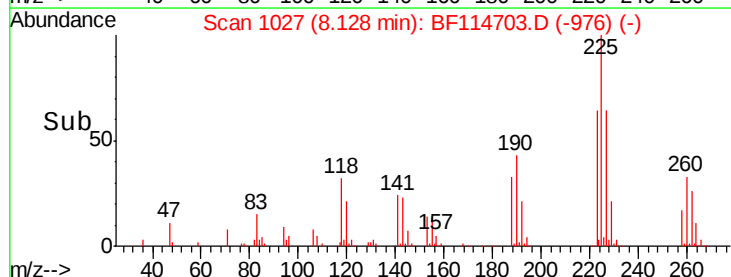
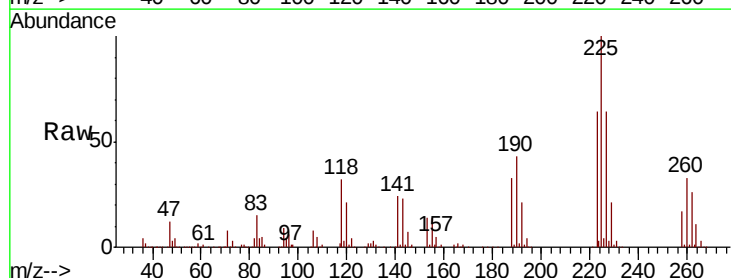
Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



#34
Hexachlorobutadiene
Concen: 46.917 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		536854		
223	64.0	50.9	76.3		
227	64.0	51.3	76.9		





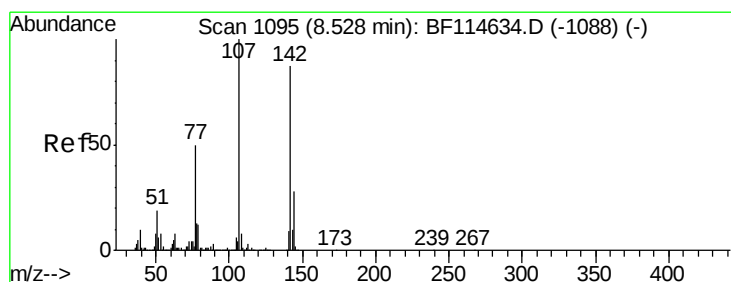
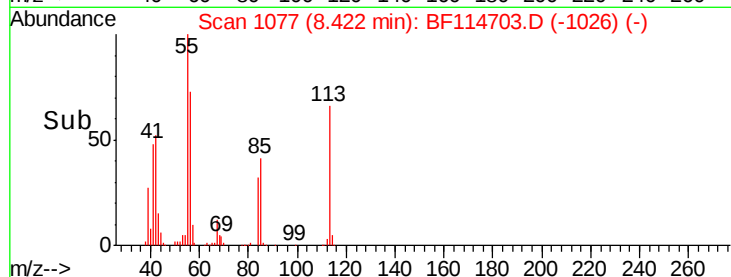
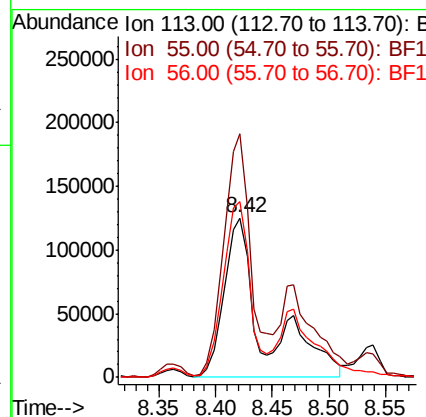
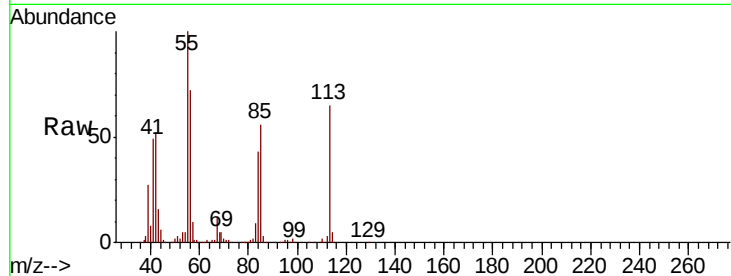
#35
 Caprolactam
 Concen: 49.744 ng/ml
 RT: 8.42 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		303501		
55	152.8	136.4	176.4		
56	110.6	97.0	137.0		

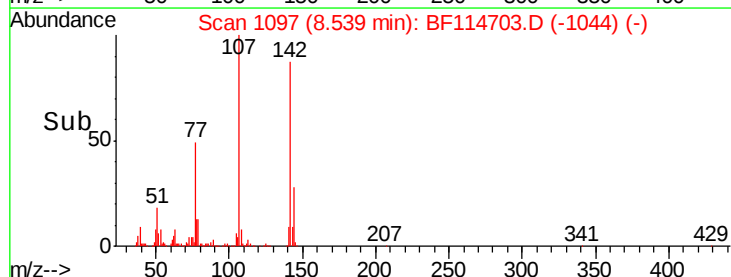
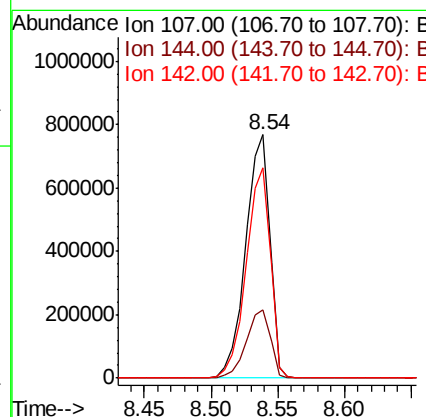
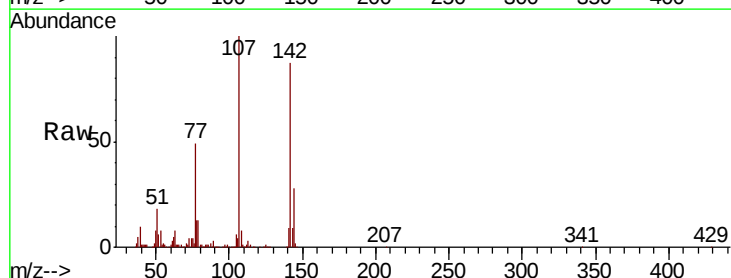
Manual Integrations
 APPROVED

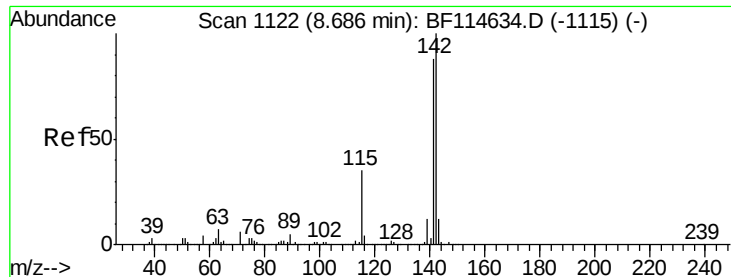
mohammad
 6/3/2019 8:49:21 AM



#36
 4-Chloro-3-methylphenol
 Concen: 53.017 ng/ml
 RT: 8.54 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		961249		
144	28.1	22.5	33.7		
142	86.6	69.8	104.6		





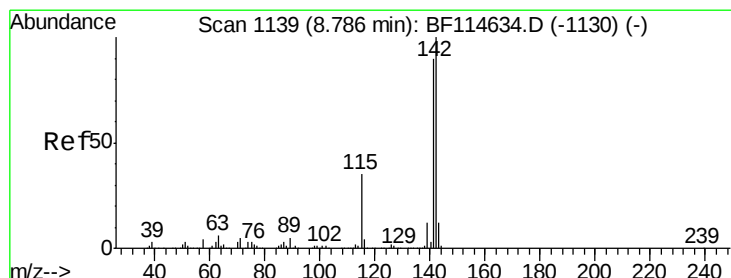
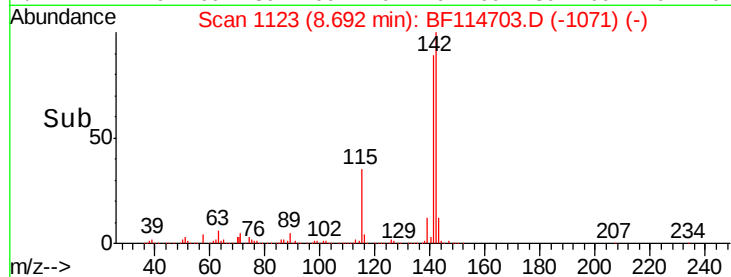
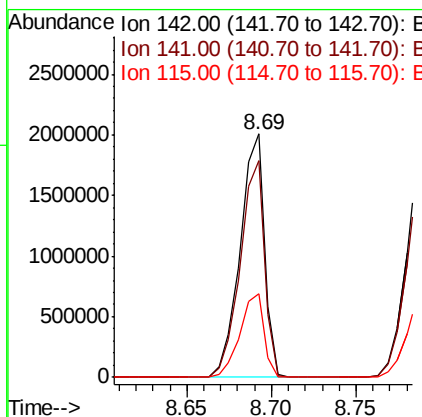
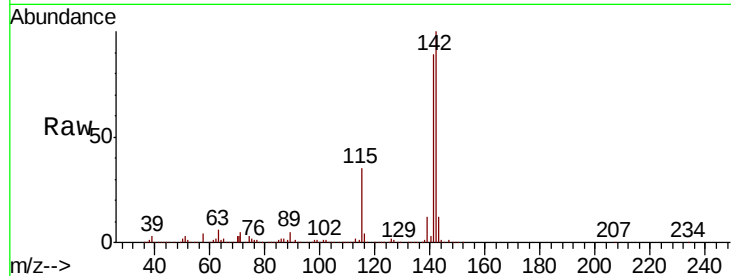
#37
2-Methylnaphthalene
Concen: 51.275 ng
RT: 8.69 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion:142 Resp: 2022189
Ion Ratio Lower Upper
142 100
141 88.8 70.3 105.5
115 34.6 28.0 42.0

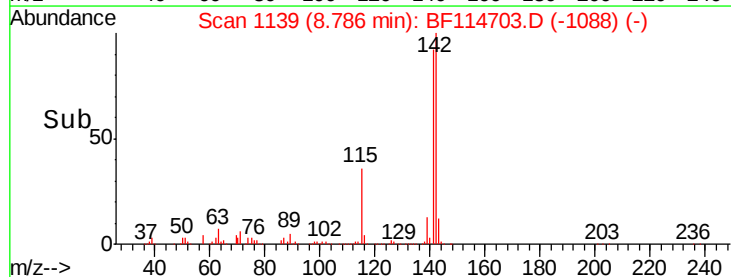
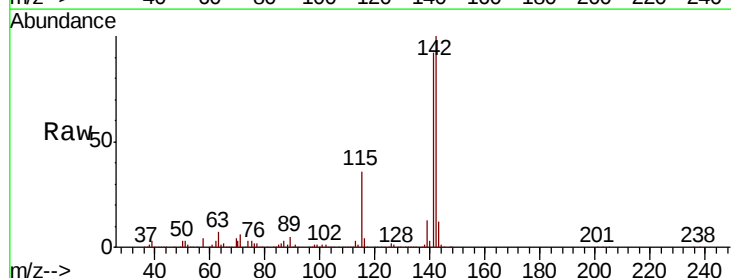
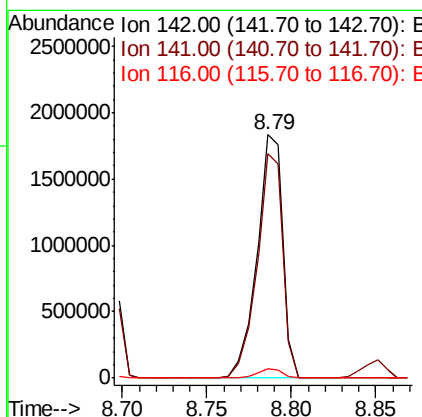
Manual Integrations
APPROVED

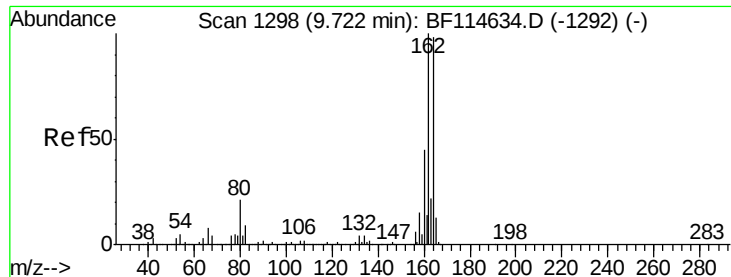
mohammad
6/3/2019 8:49:21 AM



#38
1-Methylnaphthalene
Concen: 51.569 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion:142 Resp: 1926906
Ion Ratio Lower Upper
142 100
141 92.1 72.3 108.5
116 3.9 3.0 4.4





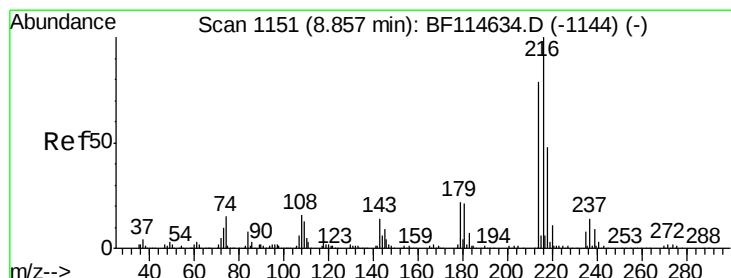
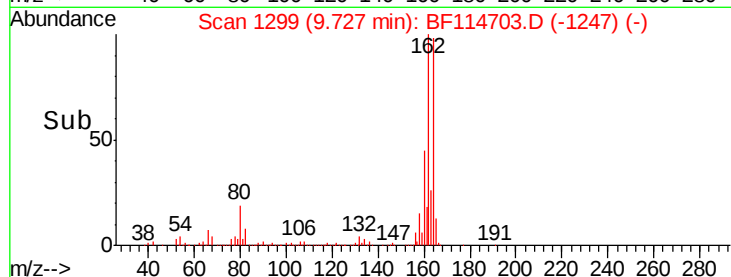
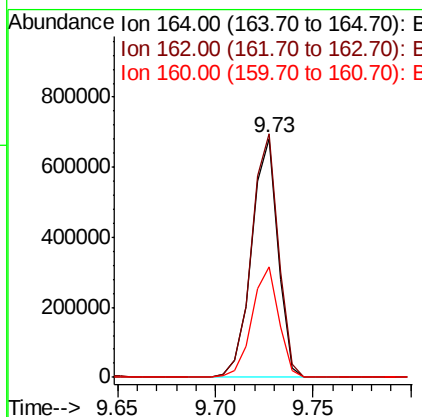
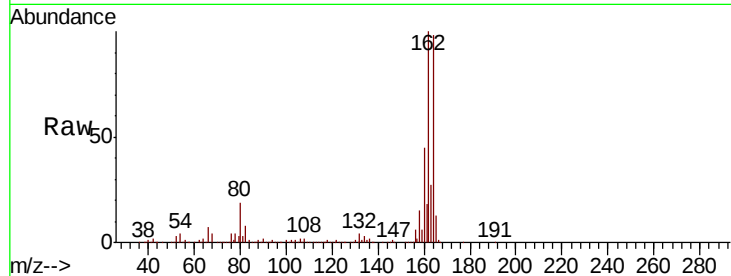
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	81.4	122.2	
160	46.4	36.6	54.8	

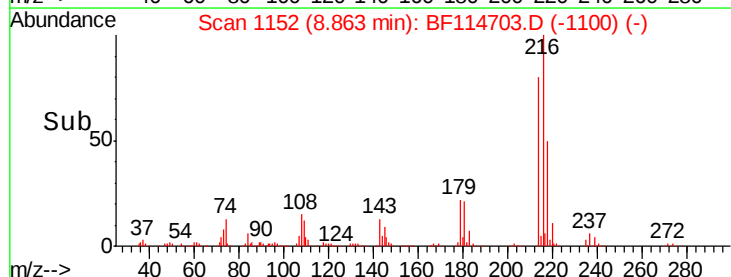
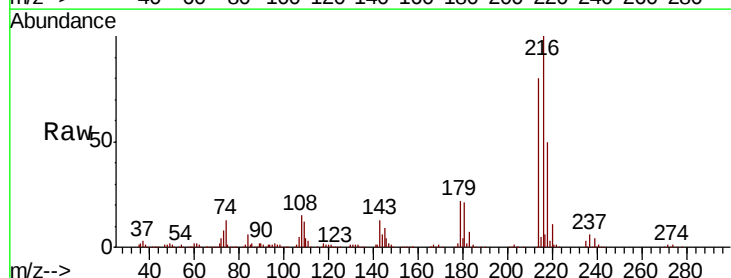
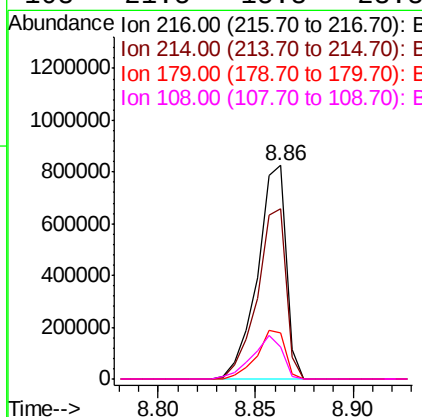
Manual Integrations
APPROVED

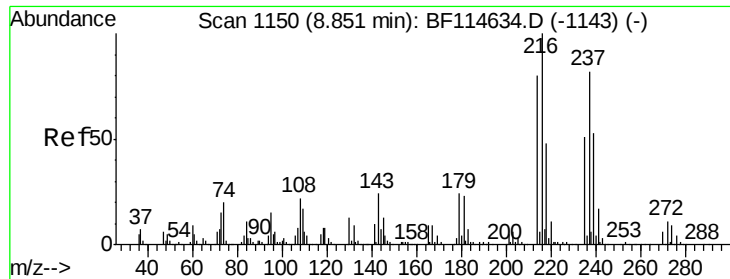
mohammad
6/3/2019 8:49:21 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.368 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.7	63.2	94.8	
179	22.8	17.9	26.9	
108	21.5	15.8	23.8	





#41

Hexachlorocyclopentadiene

Concen: 89.771 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

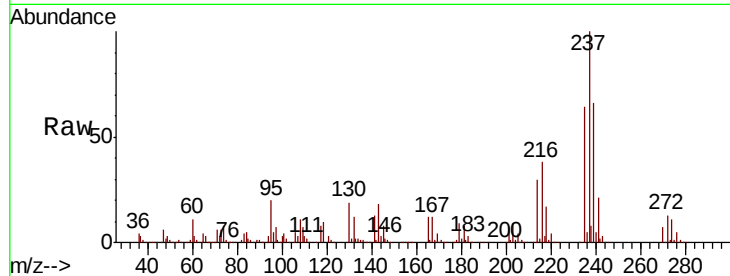
ClientSampleId :

SUP-2A-C-4-052019MS

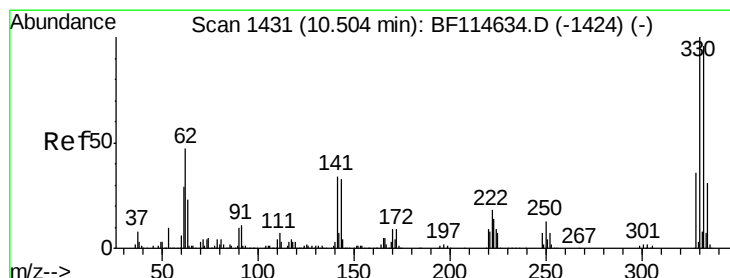
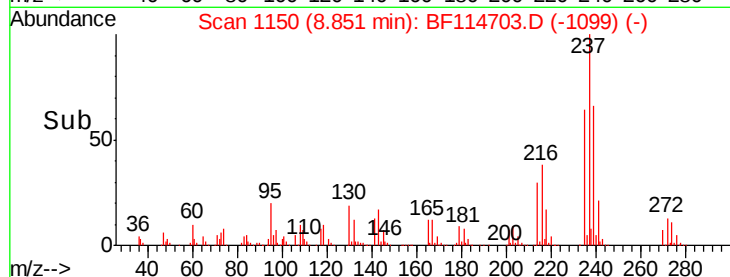
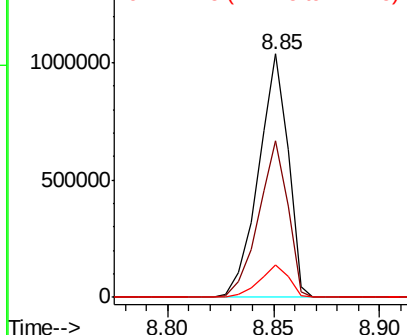
Tot Ion:	237	Resp:	1010897
Ion Ratio	Lower	Upper	
237	100		
235	64.1	42.8	82.8
272	13.5	0.0	33.7

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



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: 144.634 ng

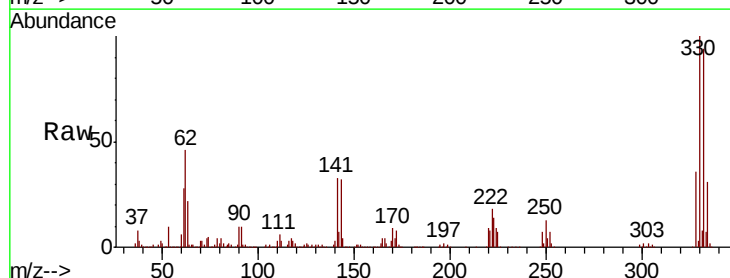
RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

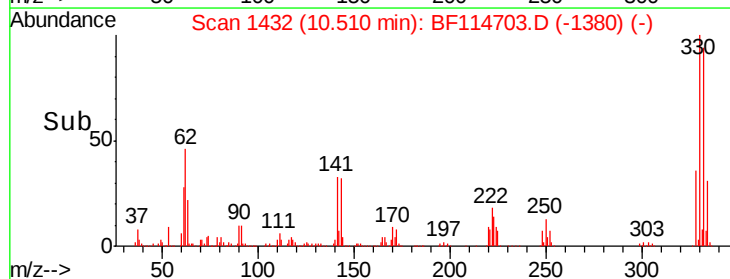
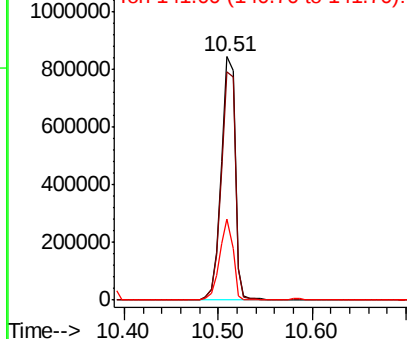
Lab File: BF114703.D

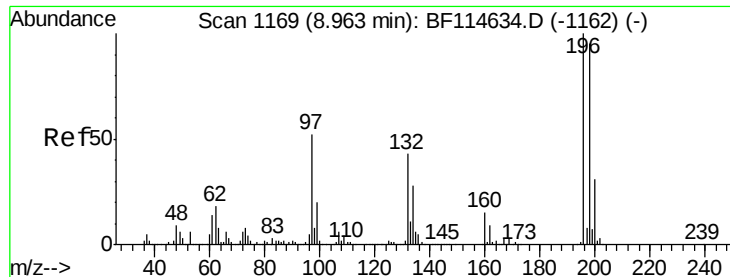
Acq: 31 May 2019 12:59

Tgt Ion:	330	Resp:	881852
Ion Ratio	Lower	Upper	
330	100		
332	95.3	75.8	113.8
141	32.2	27.8	41.8



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





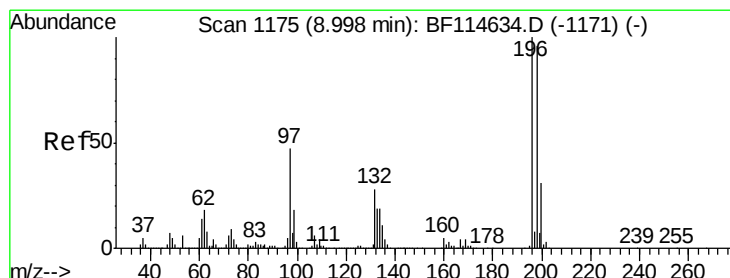
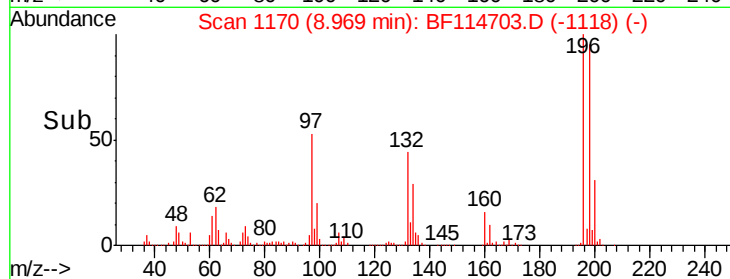
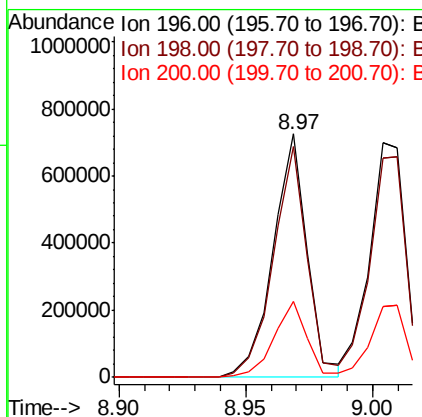
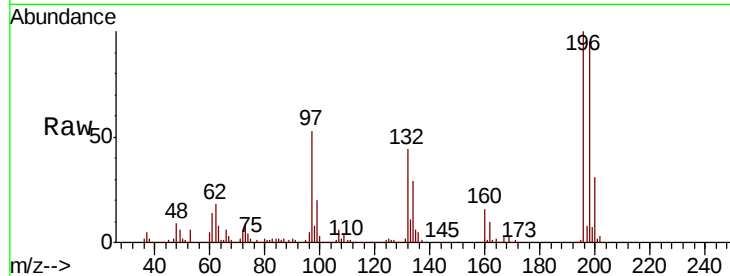
#43
 2,4,6-Trichlorophenol
 Concen: 50.762 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	680627		
198	94.6	76.1	114.1	
200	31.0	24.7	37.1	

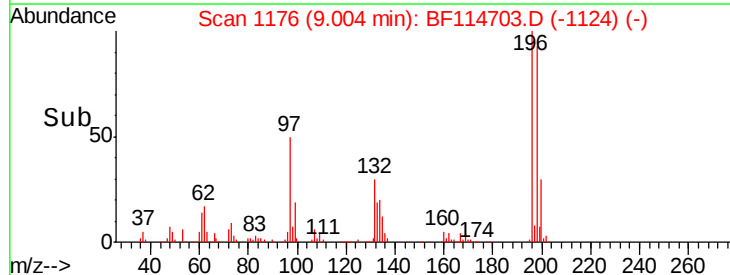
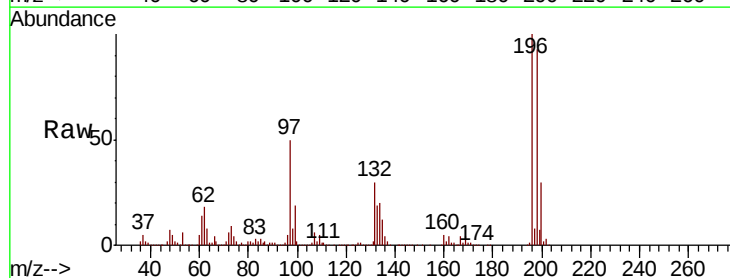
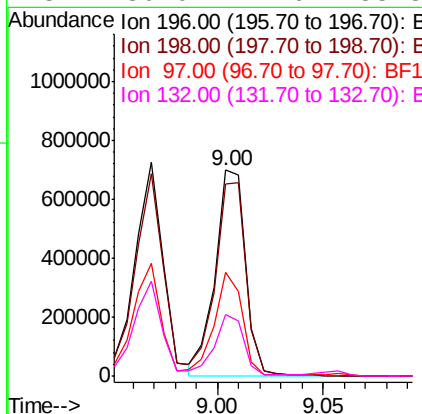
Manual Integrations
 APPROVED

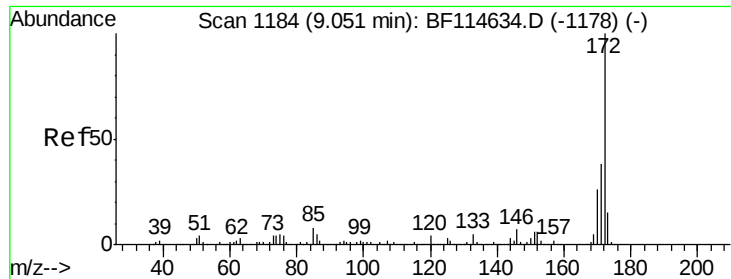
mohammad
 6/3/2019 8:49:21 AM



#44
 2,4,5-Trichlorophenol
 Concen: 51.980 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	695494		
198	93.5	76.8	115.2	
97	50.3	37.8	56.8	
132	30.0	22.6	33.8	





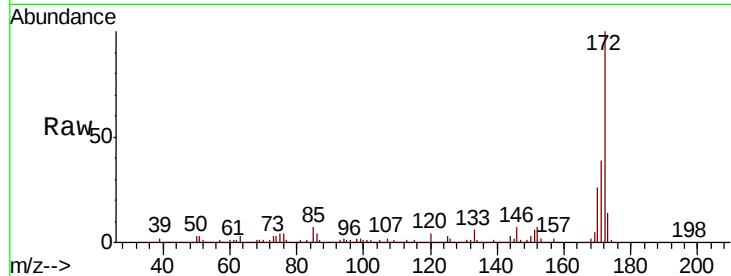
#45
2-Fluorobiphenyl
Concen: 100.528 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.6	45.8
170	26.5	20.7	31.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM

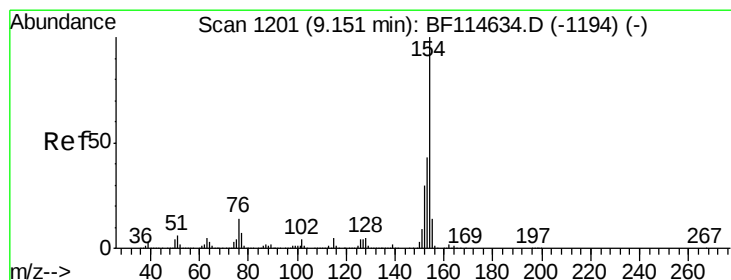
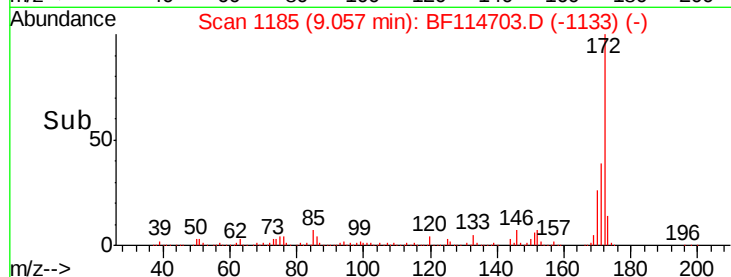
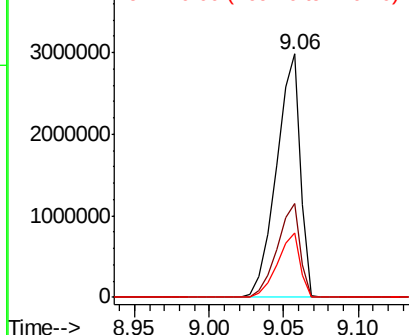


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 49.528 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

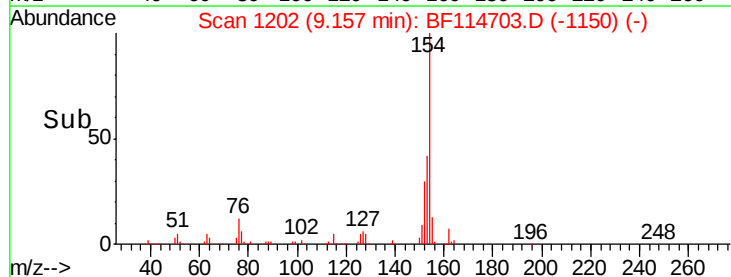
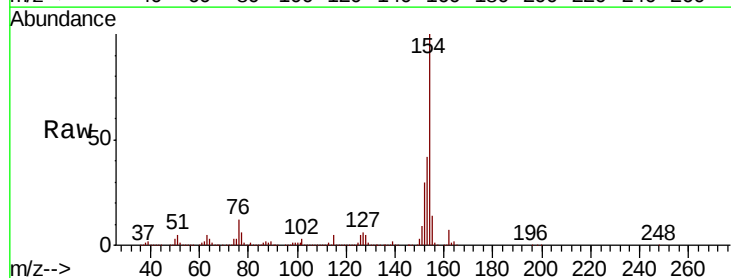
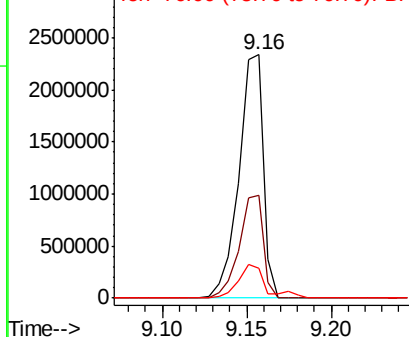
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	23.0	63.0
76	12.4	0.0	33.9

Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





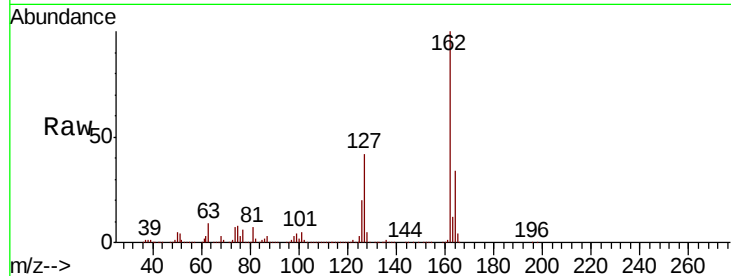
#47
2-Chloronaphthalene
Concen: 49.254 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.5	32.2	48.2
164	34.4	27.8	41.6

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM

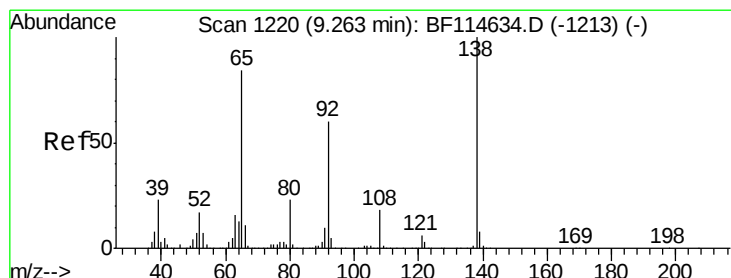
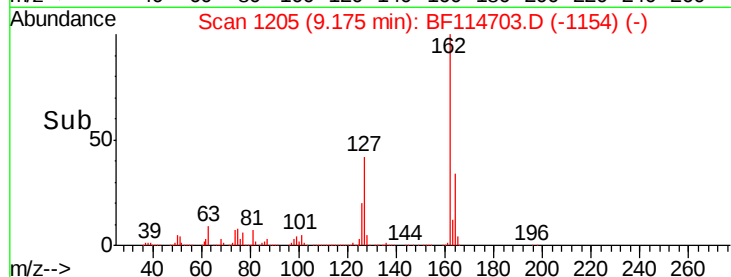
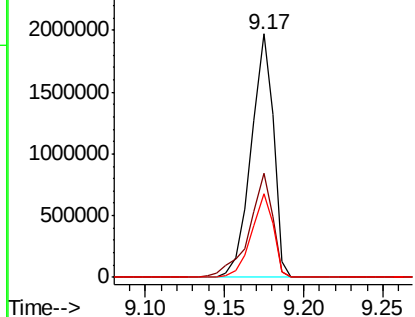


Abundance

Ion 162.00 (161.70 to 162.70): E

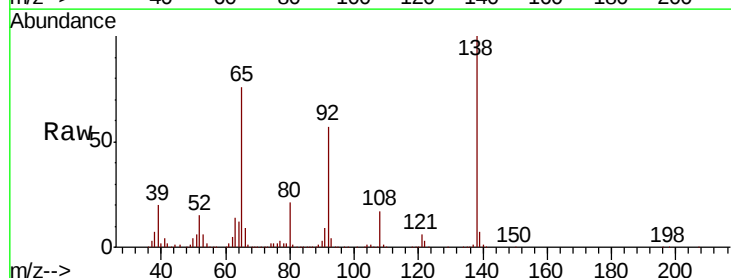
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 48.769 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.2	57.1	85.7
138	131.8	95.8	143.6

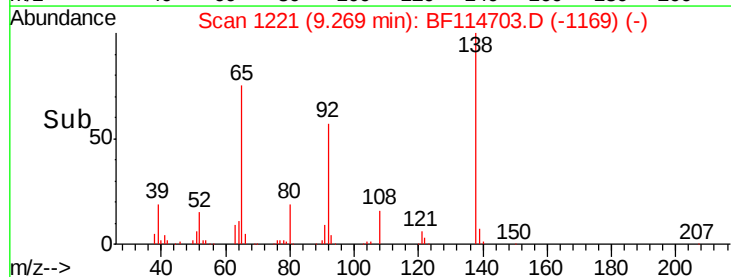
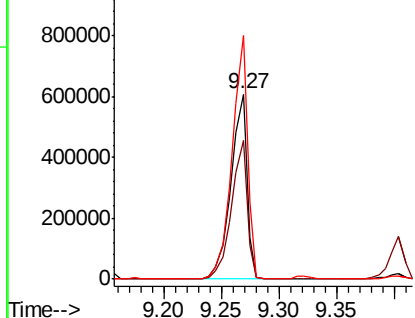


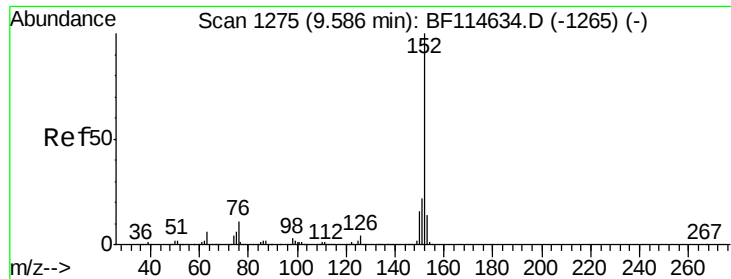
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





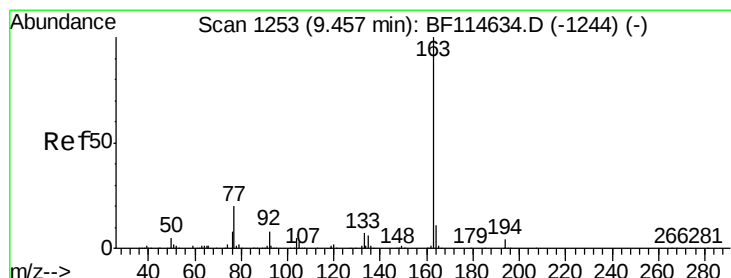
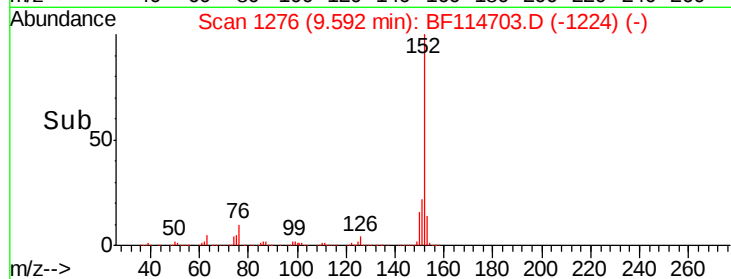
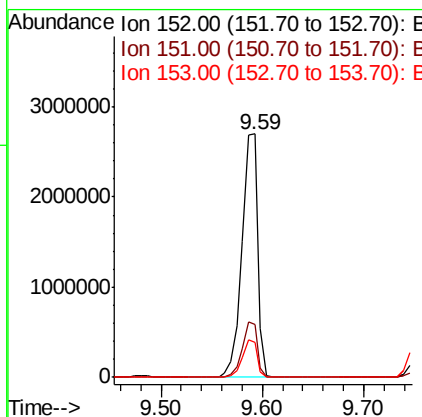
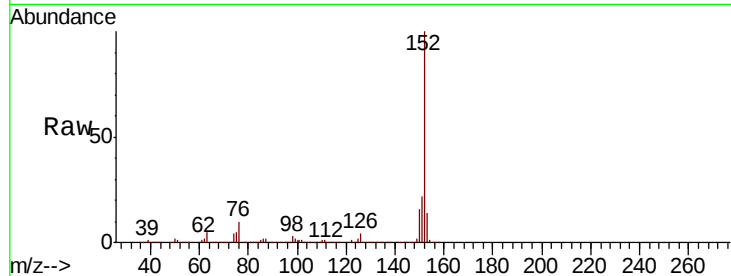
#49
Acenaphthylene
Concen: 48.466 ng
RT: 9.59 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ion	Ratio	Lower	Upper
152	100			
151	21.8	17.5	26.3	
153	14.4	11.6	17.4	

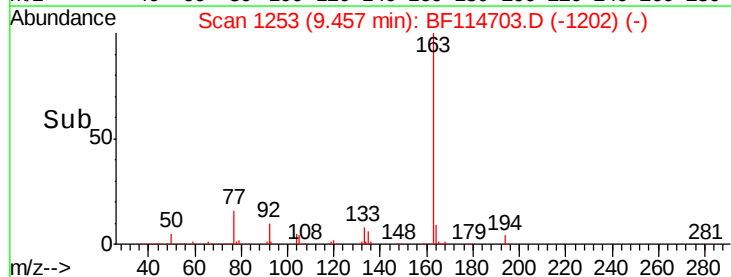
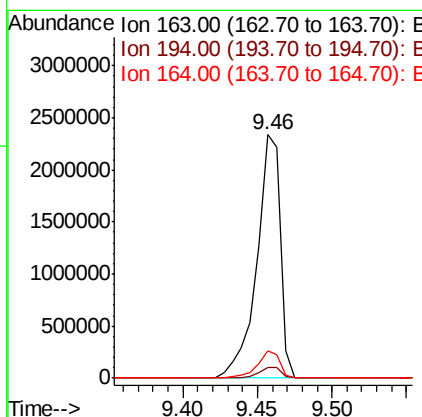
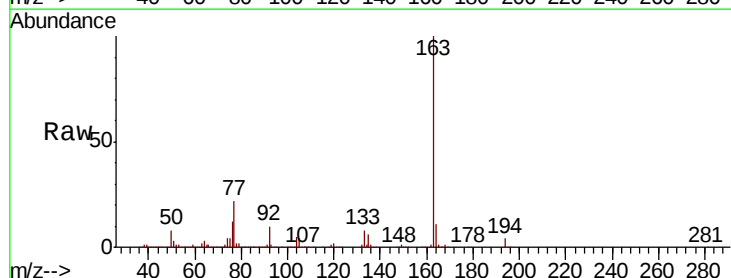
Manual Integrations
APPROVED

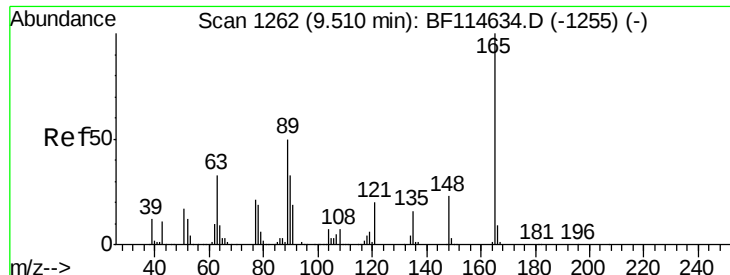
mohammad
6/3/2019 8:49:21 AM



#50
Dimethylphthalate
Concen: 56.624 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.2	3.4	5.0	
164	11.4	8.6	13.0	





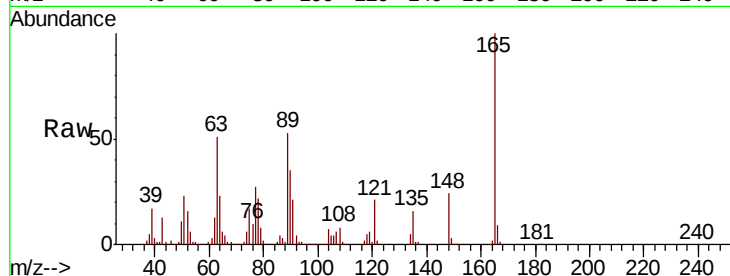
#51
 2,6-Dinitrotoluene
 Concen: 52.985 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

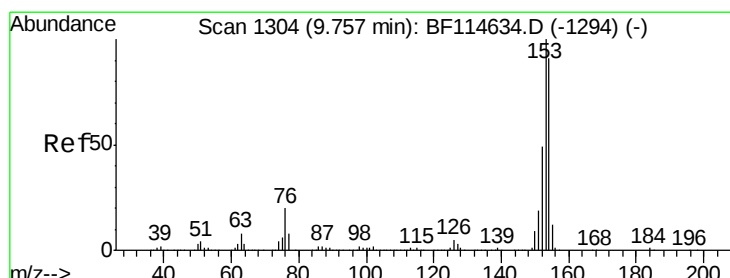
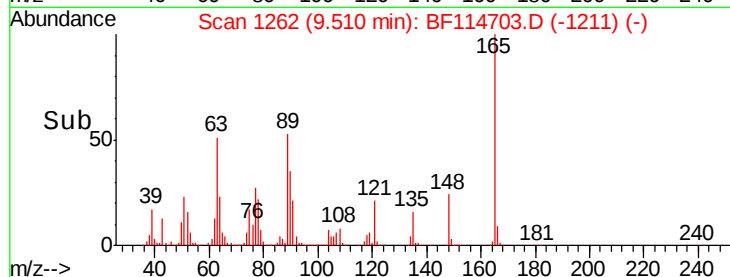
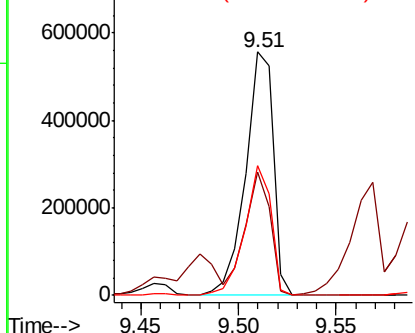
Tot Ion	Ratio	Resp	Lower	Upper
165	100	548962		
63	50.8	36.6	54.8	
89	53.1	40.2	60.4	

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:49:21 AM

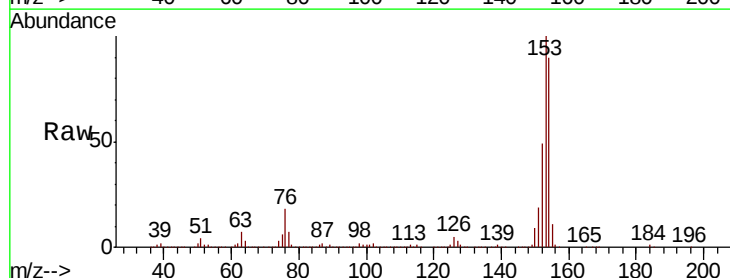


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

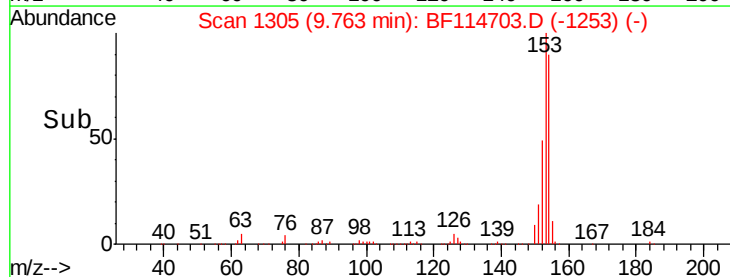
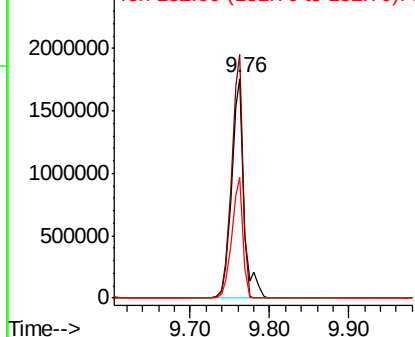


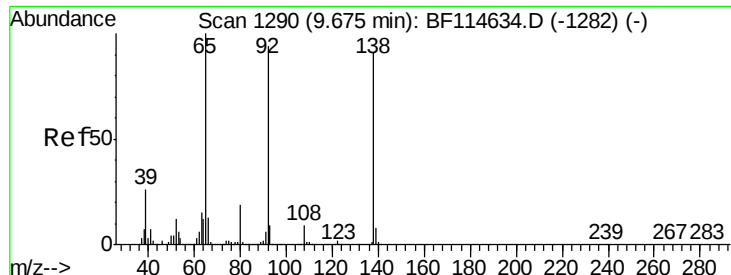
#52
 Acenaphthene
 Concen: 51.343 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1895350		
153	110.8	88.4	132.6	
152	54.8	43.4	65.0	



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





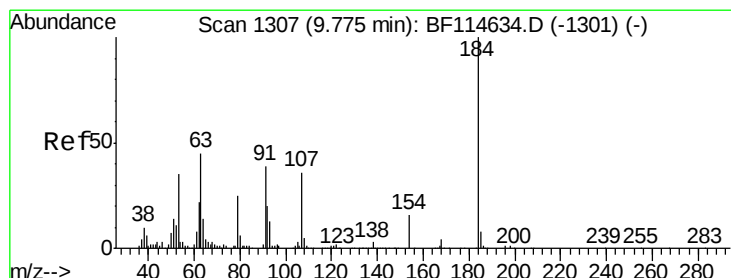
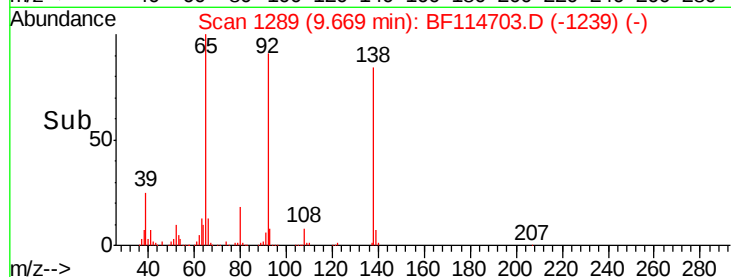
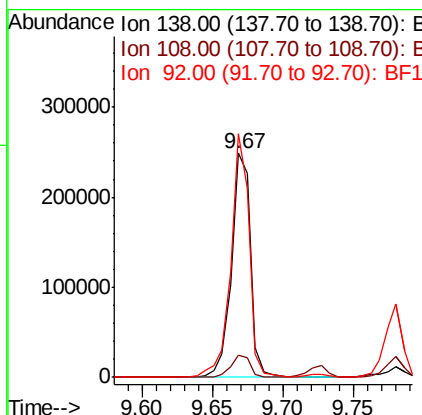
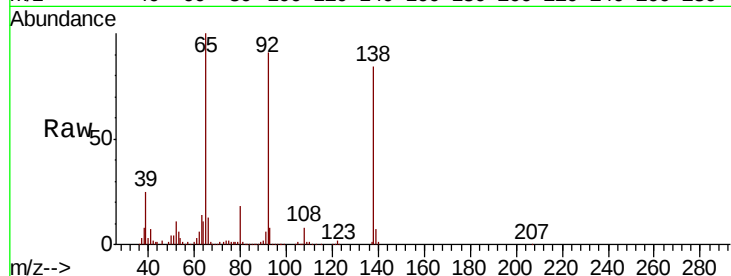
#53
3-Nitroaniline
Concen: 18.420 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.3	12.5
92	108.7	83.1	124.7

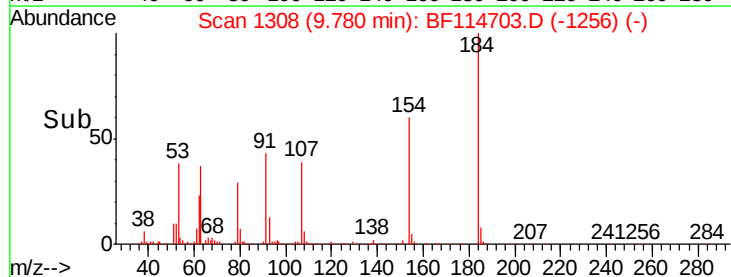
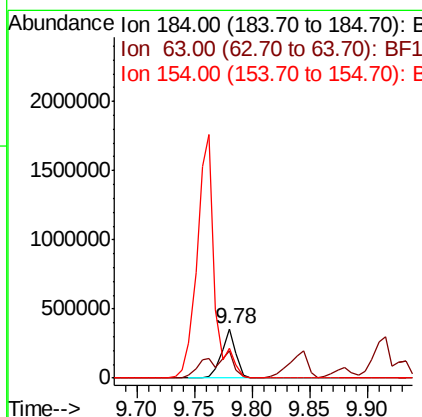
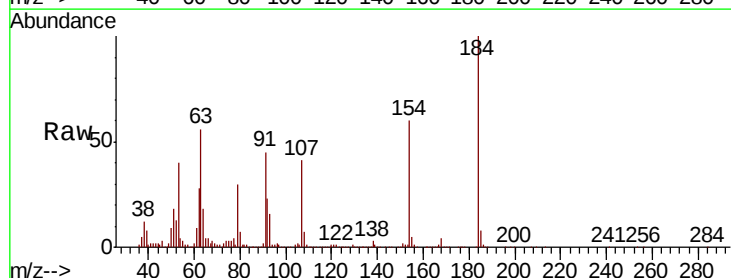
Manual Integrations
APPROVED

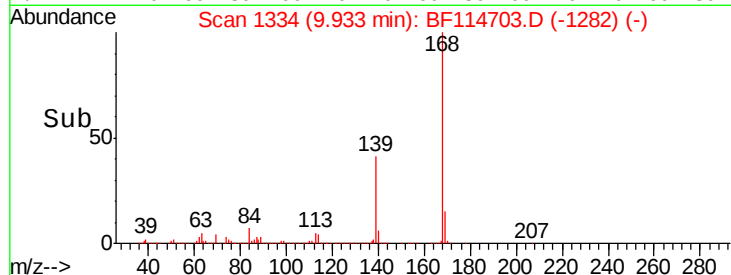
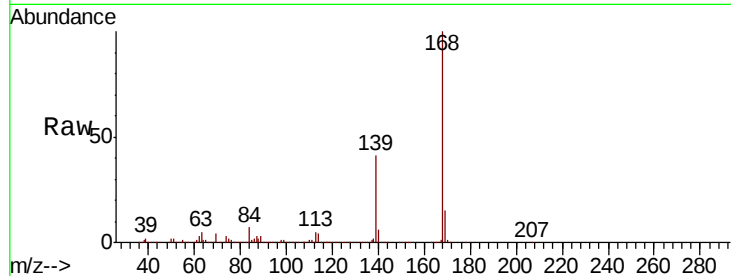
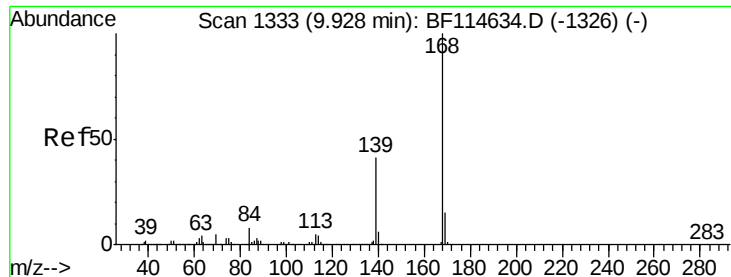
mohammad
6/3/2019 8:49:21 AM



#54
2,4-Dinitrophenol
Concen: 74.059 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	55.6	38.8	58.2
154	60.1	43.7	65.5





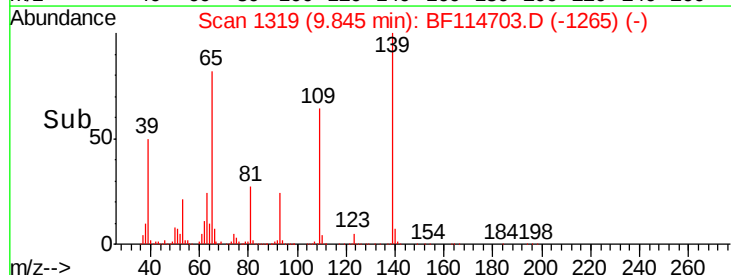
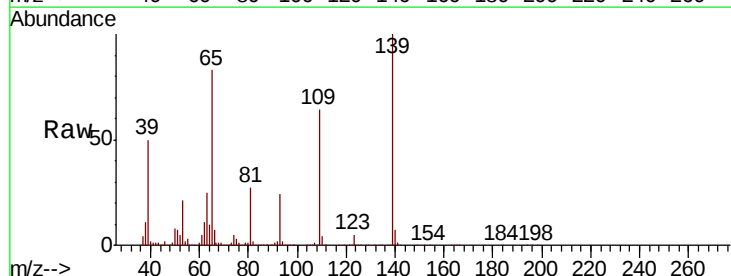
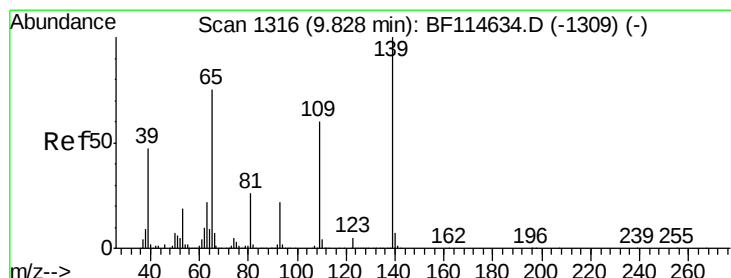
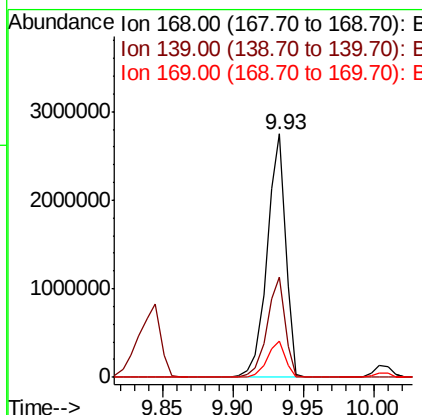
#55
Dibenzofuran
Concen: 48.514 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.0	32.6	48.8
169	15.0	11.8	17.8

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

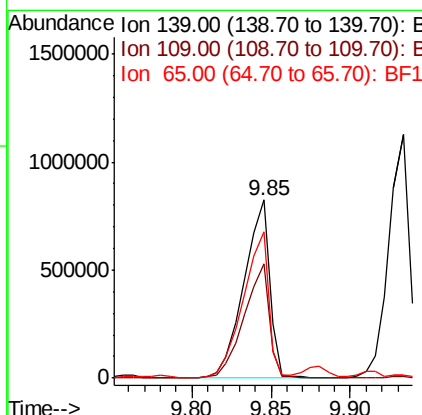
Manual Integrations
APPROVED

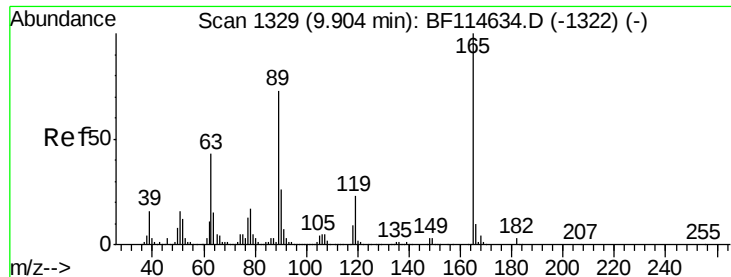
mohammad
6/3/2019 8:49:21 AM



#56
4-Nitrophenol
Concen: 98.958 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.02 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.3	40.4	80.4
65	82.5	54.7	94.7





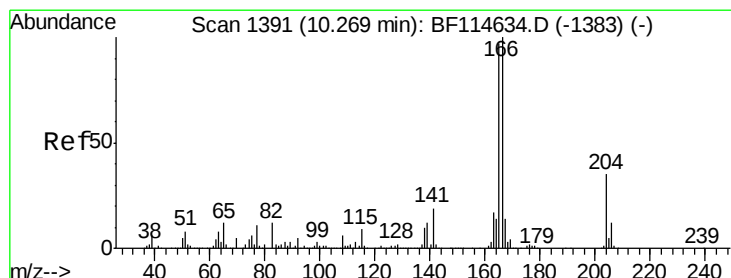
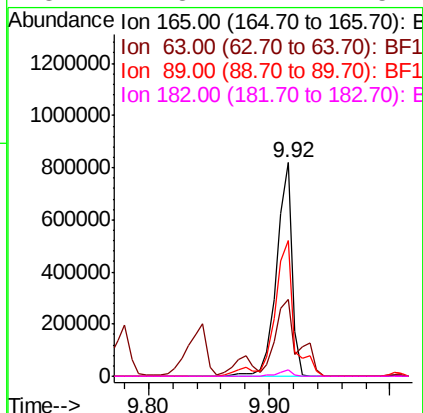
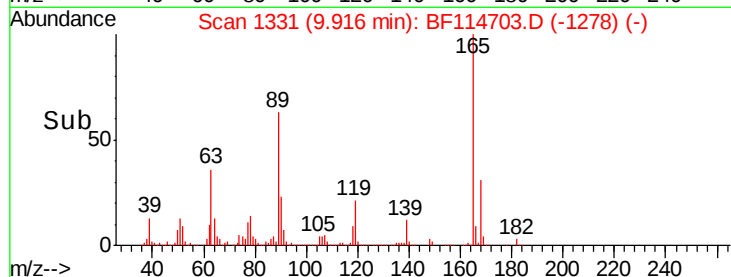
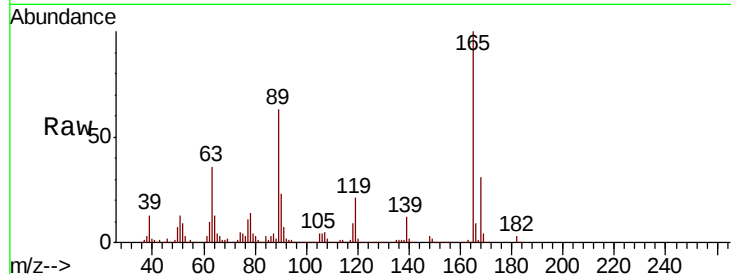
#57
2,4-Dinitrotoluene
Concen: 54.819 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		728921		
63	36.2	34.8	52.2		
89	63.2	58.5	87.7		
182	2.8	2.2	3.2		

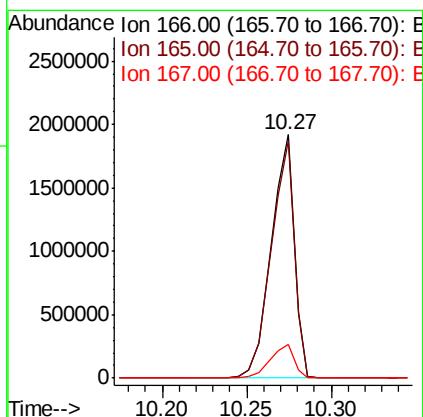
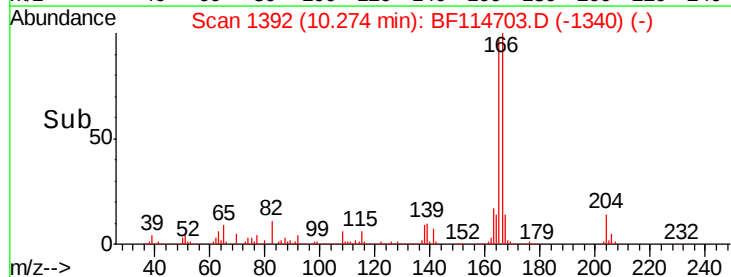
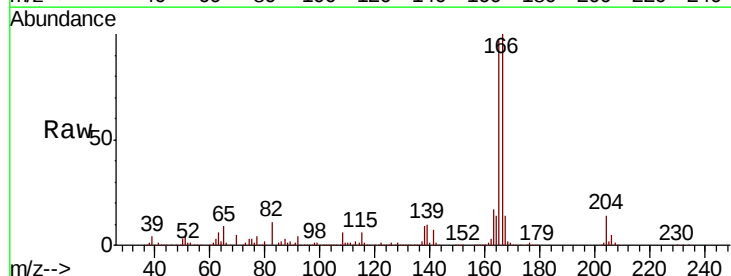
Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



#58
Fluorene
Concen: 55.367 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1814466		
165	97.5	77.6	116.4		
167	13.7	11.2	16.8		





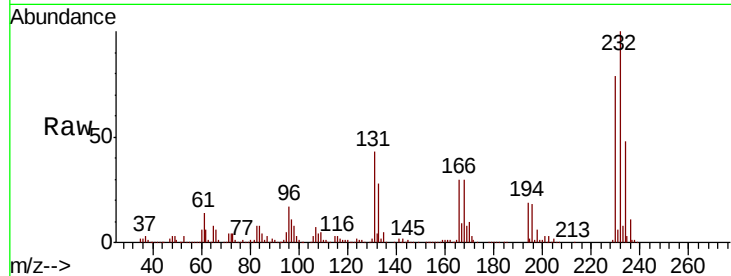
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.902 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

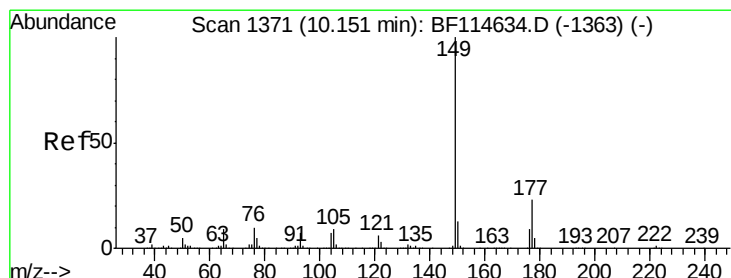
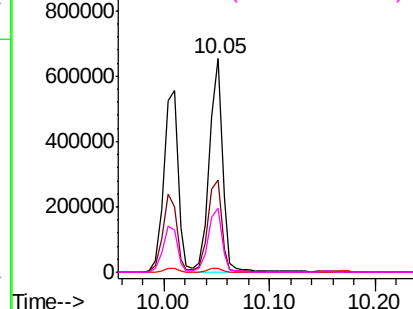
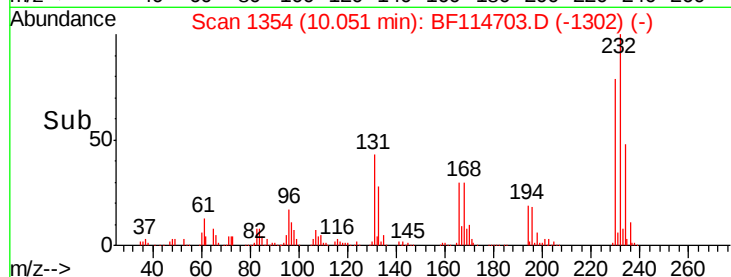
Tot Ion:	232	Resp:	568432
Ion Ratio	Lower	Upper	
232	100		
131	46.1	37.2	55.8
130	2.3	1.8	2.8
166	30.9	24.8	37.2

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM

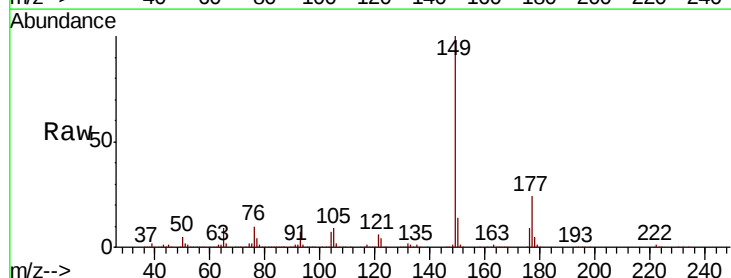


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

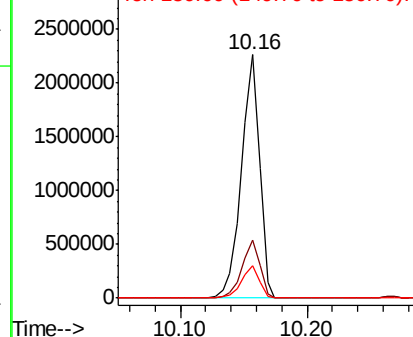
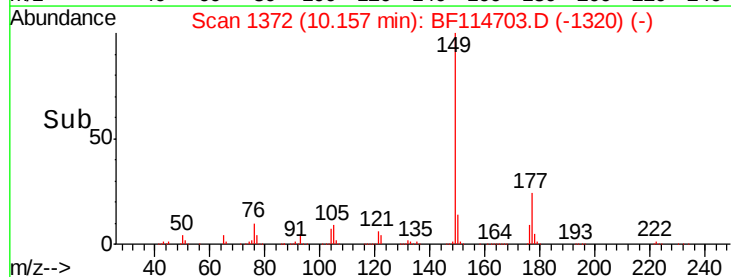


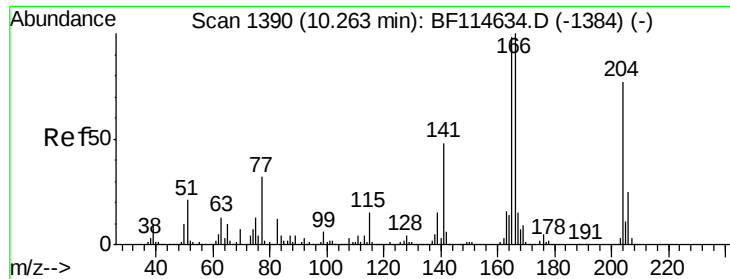
#60
Diethylphthalate
Concen: 48.771 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion:	149	Resp:	2221042
Ion Ratio	Lower	Upper	
149	100		
177	24.1	18.6	28.0
150	13.5	10.6	15.8



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





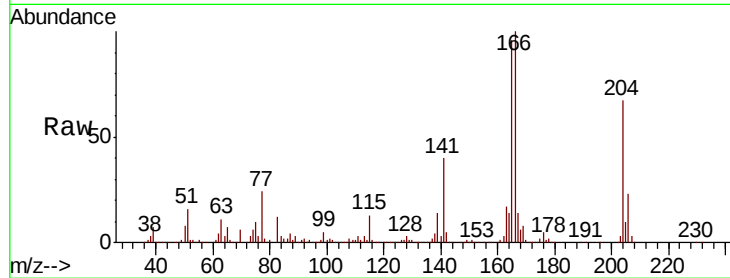
#61
4-Chlorophenyl-phenylether
Concen: 53.118 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

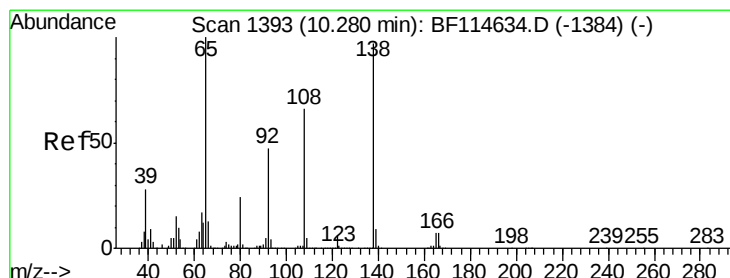
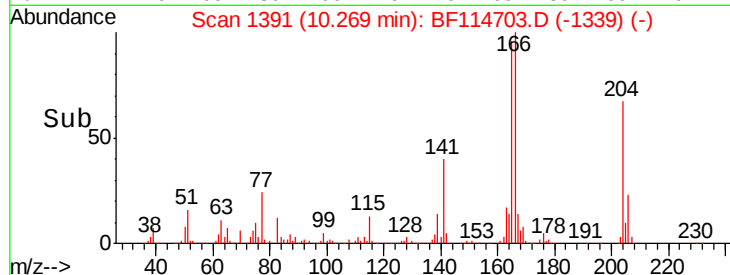
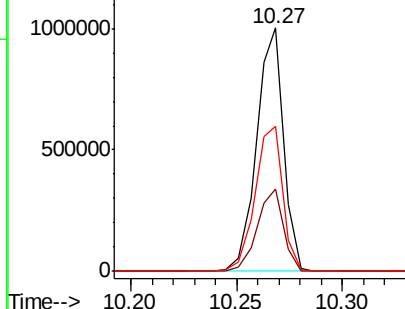
Tot Ion	Ratio	Resp	Lower	Upper
204	100	888407		
206	33.8	26.4	39.6	
141	59.5	50.0	75.0	

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM

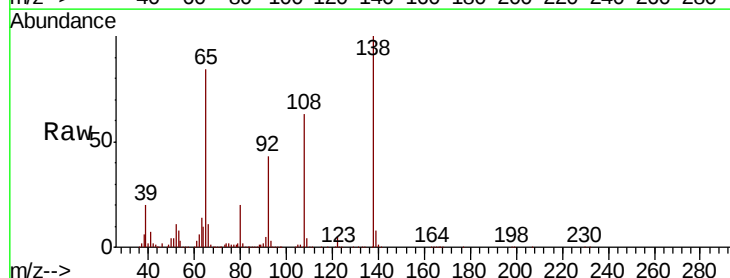


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

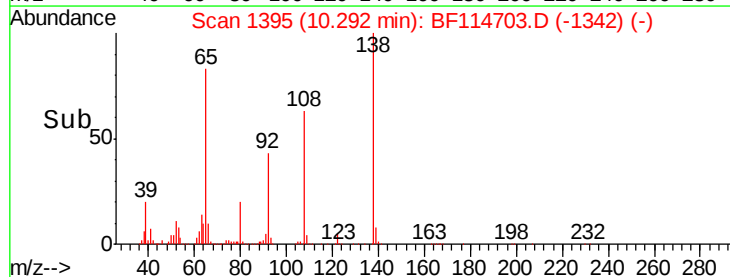
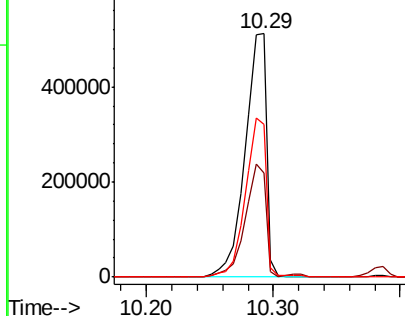


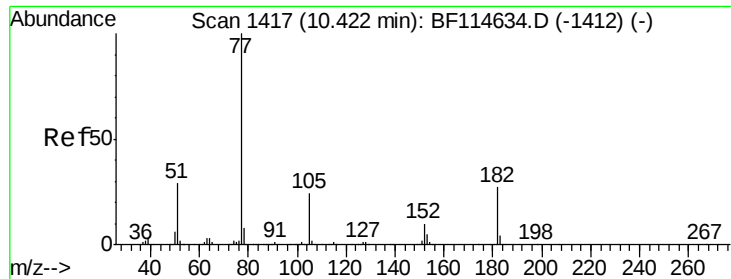
#62
4-Nitroaniline
Concen: 48.816 ng
RT: 10.29 min Scan# 1395
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	603186		
92	43.0	28.0	68.0	
108	62.9	48.4	88.4	



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





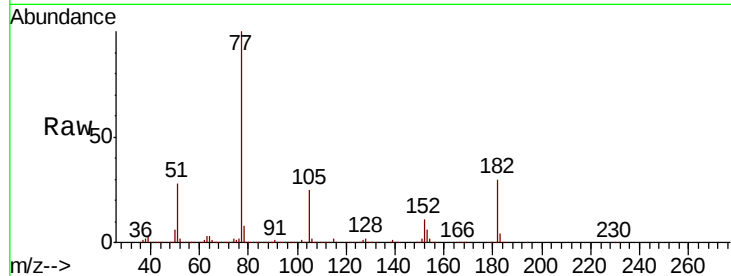
#63
Azobenzene
Concen: 47.642 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	30.3	7.0	47.0	
105	25.4	3.7	43.7	
51	27.6	9.1	49.1	

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



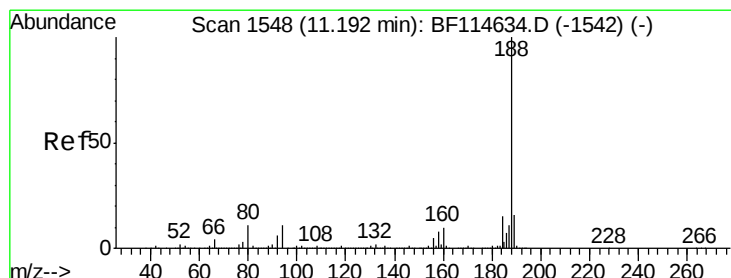
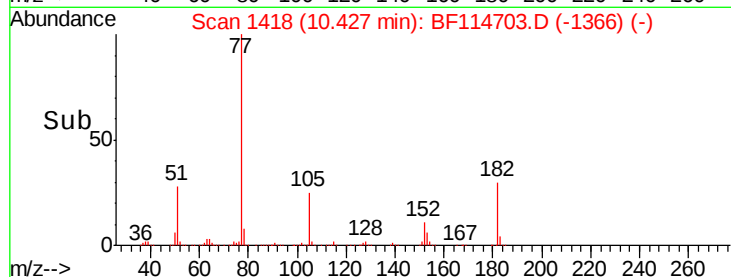
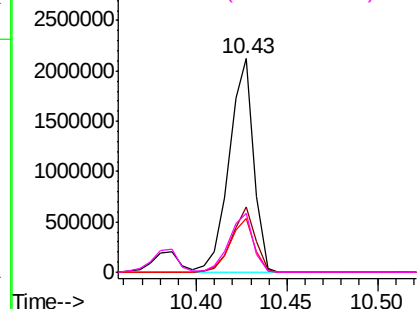
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

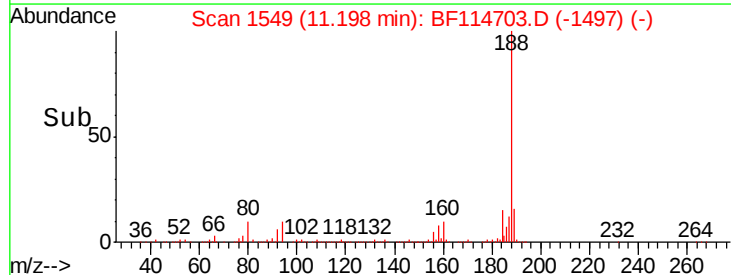
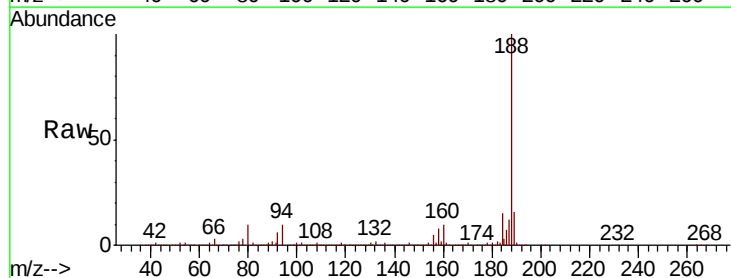
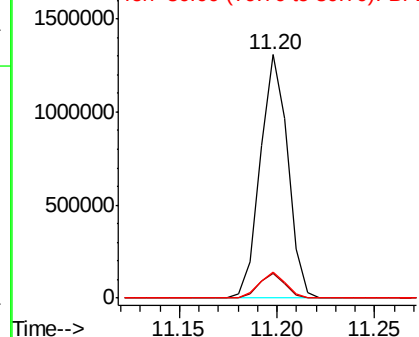
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.2	8.6	13.0	
80	10.5	9.0	13.6	

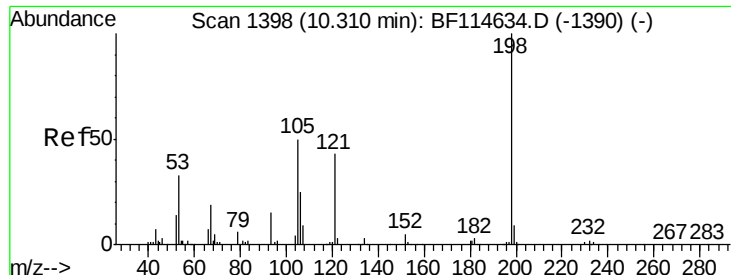
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





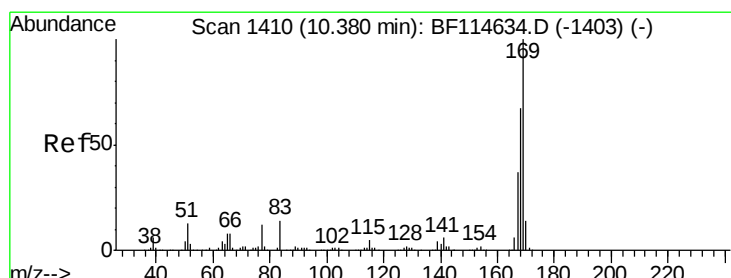
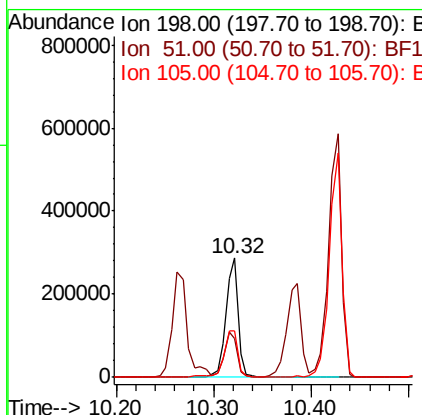
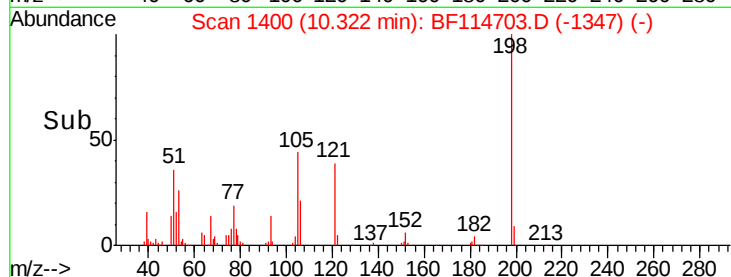
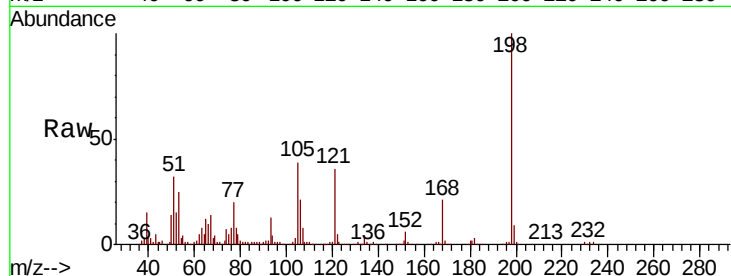
#65
 4,6-Dinitro-2-methylphenol
 Concen: 44.160 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	249433		
51	32.4	29.0	69.0	
105	39.0	30.4	70.4	

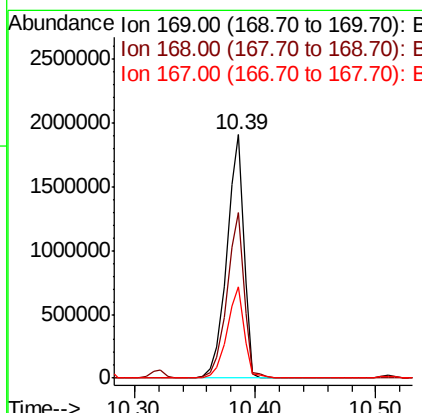
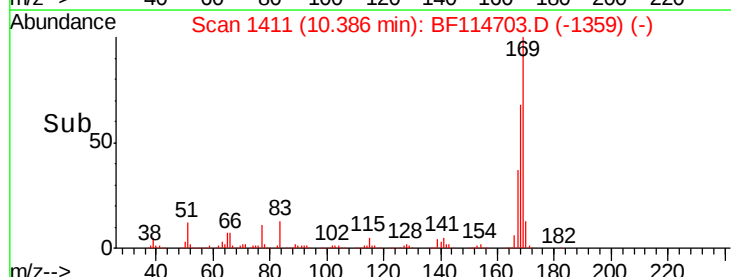
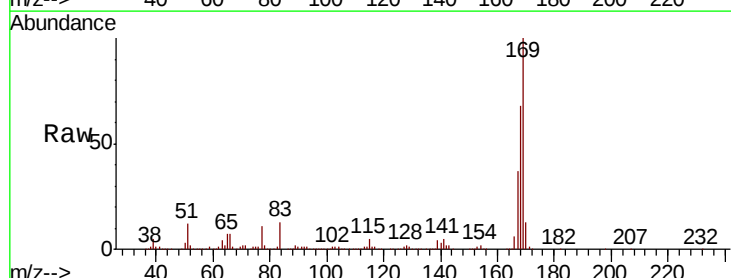
Manual Integrations
 APPROVED

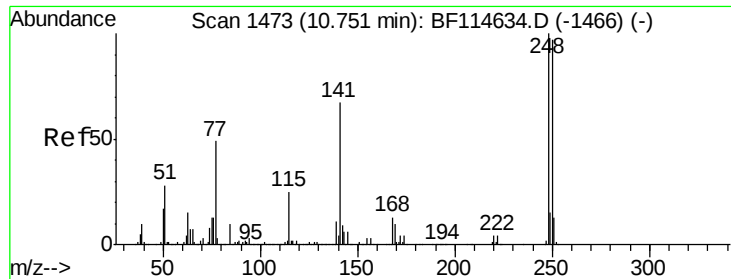
mohammad
 6/3/2019 8:49:21 AM



#66
 n-Nitrosodiphenylamine
 Concen: 49.343 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1857099		
168	67.8	53.8	80.8	
167	37.3	29.8	44.6	





#67

4-Bromophenyl-phenylether

Concen: 47.626 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

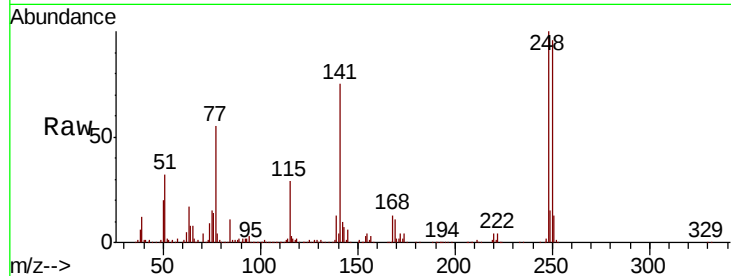
ClientSampleId :

SUP-2A-C-4-052019MS

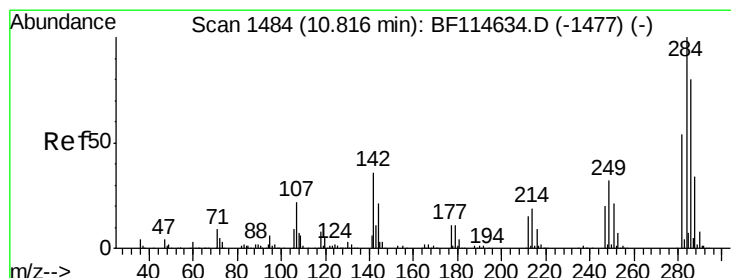
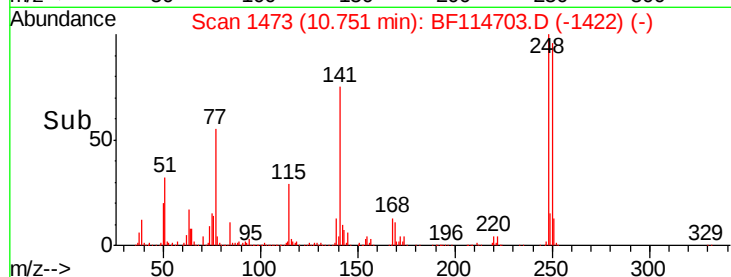
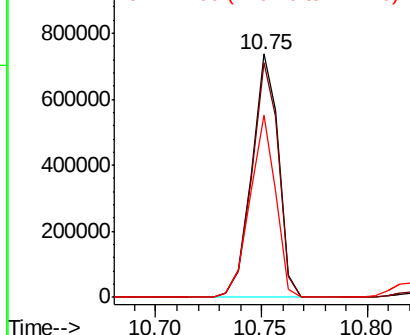
Tot Ion:	248	Resp:	650587
Ion Ratio	Lower	Upper	
248	100		
250	96.5	78.0	117.0
141	74.7	53.8	80.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 47.051 ng

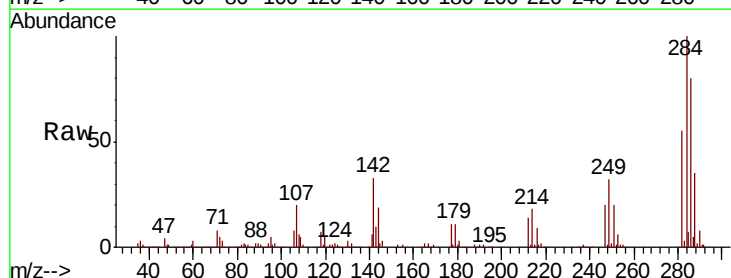
RT: 10.82 min Scan# 1485

Delta R.T. 0.01 min

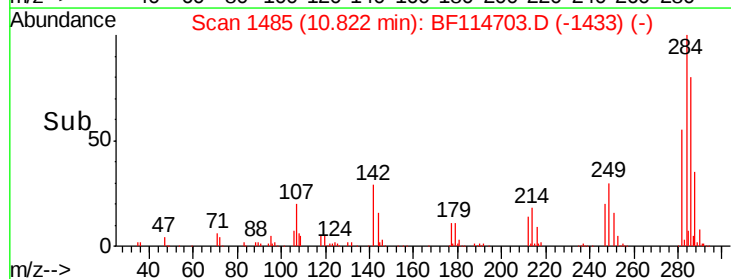
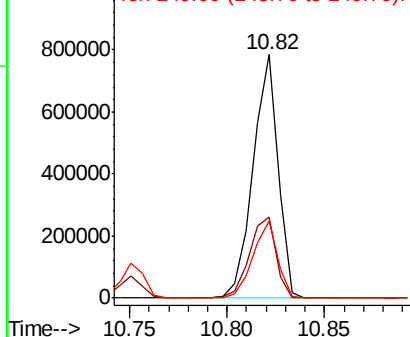
Lab File: BF114703.D

Acq: 31 May 2019 12:59

Tgt Ion:	284	Resp:	696163
Ion Ratio	Lower	Upper	
284	100		
142	33.5	28.9	43.3
249	31.6	25.8	38.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





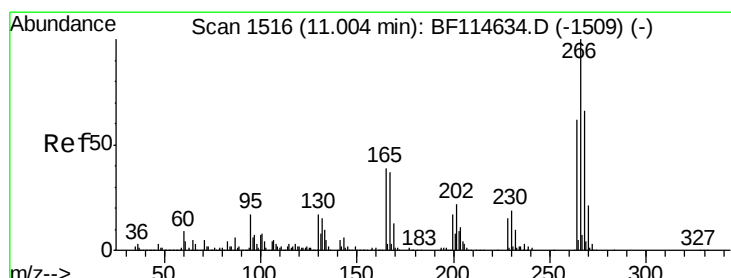
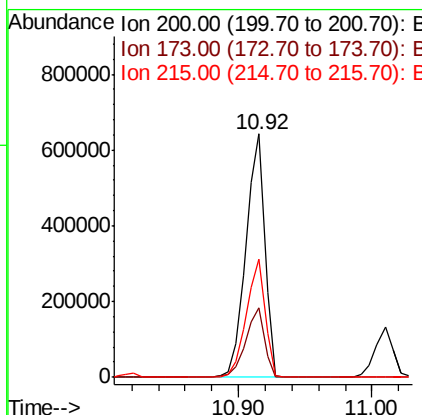
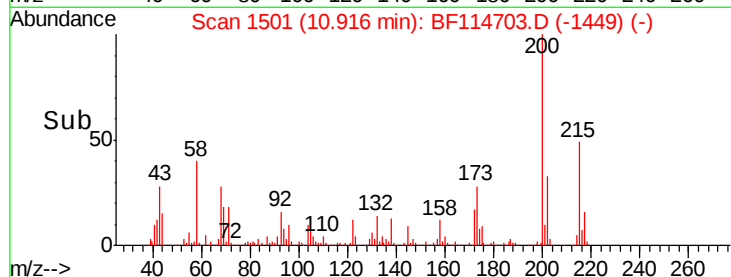
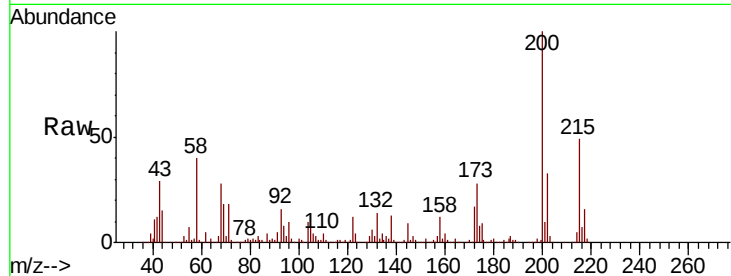
#69
Atrazine
Concen: 58.095 ng
RT: 10.92 min Scan# 1501
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.9	47.9
215	48.6	27.8	67.8

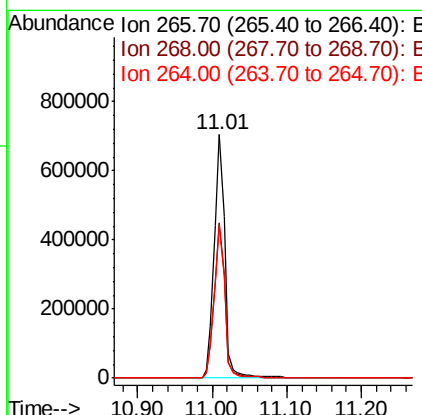
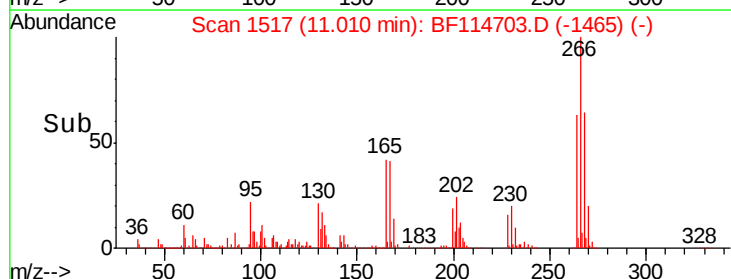
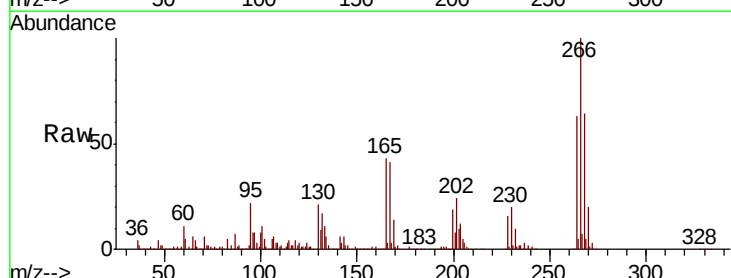
Manual Integrations
APPROVED

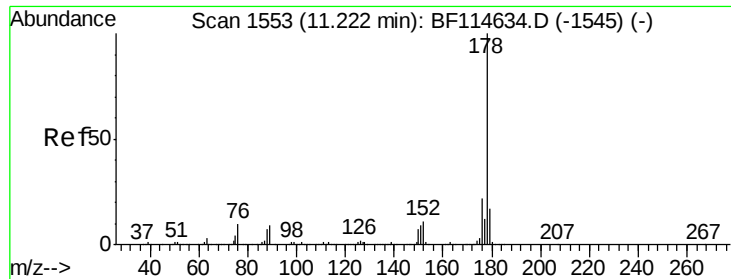
mohammad
6/3/2019 8:49:21 AM



#70
Pentachlorophenol
Concen: 82.207 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	52.8	79.2
264	62.7	49.9	74.9





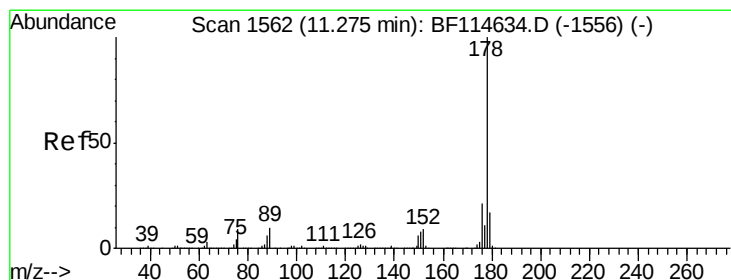
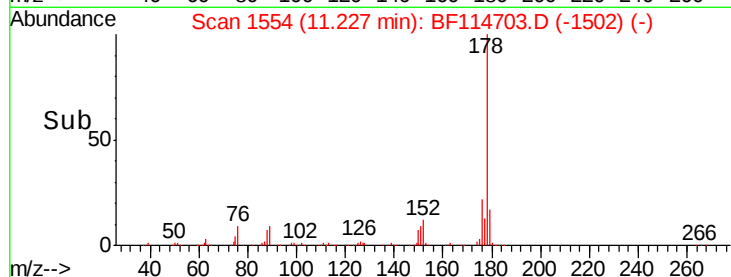
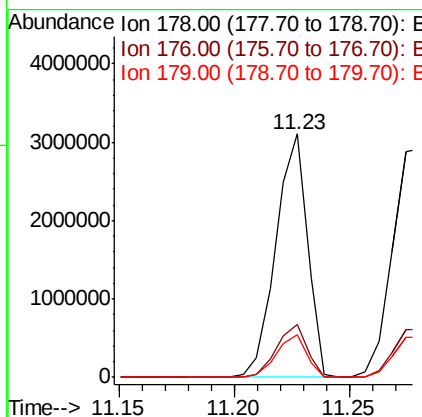
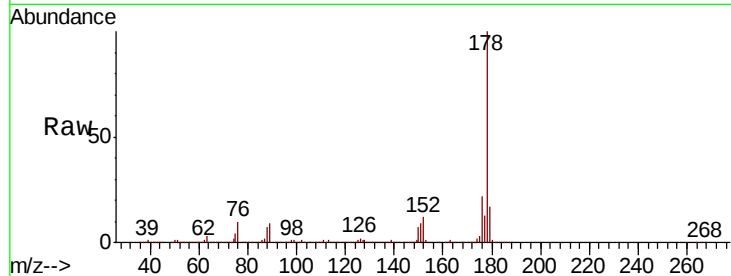
#71
Phenanthrene
Concen: 45.282 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.6	17.2	25.8
179	17.5	13.9	20.9

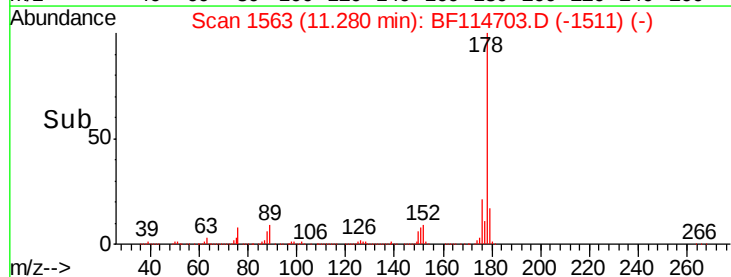
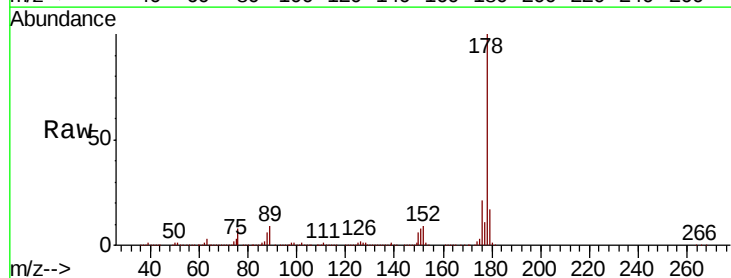
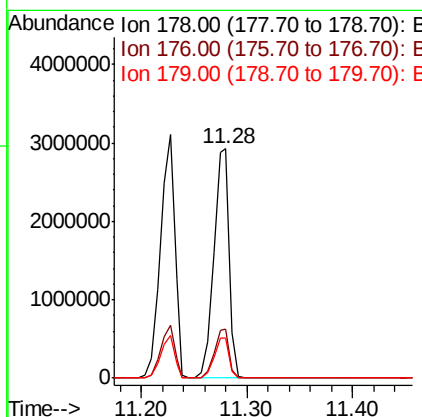
Manual Integrations
APPROVED

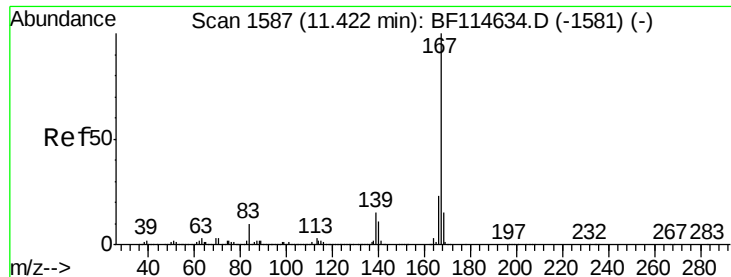
mohammad
6/3/2019 8:49:21 AM



#72
Anthracene
Concen: 45.932 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.5	16.6	24.8
179	17.5	13.4	20.0





#73

Carbazole

Concen: 49.036 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

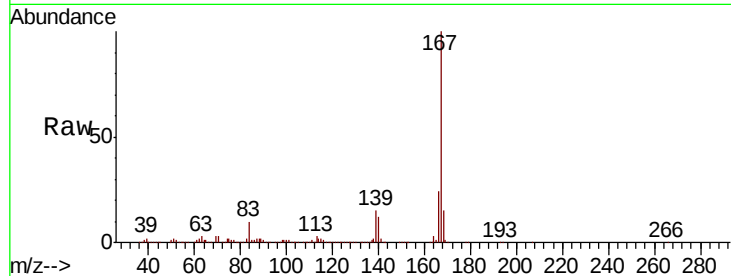
ClientSampleId :

SUP-2A-C-4-052019MS

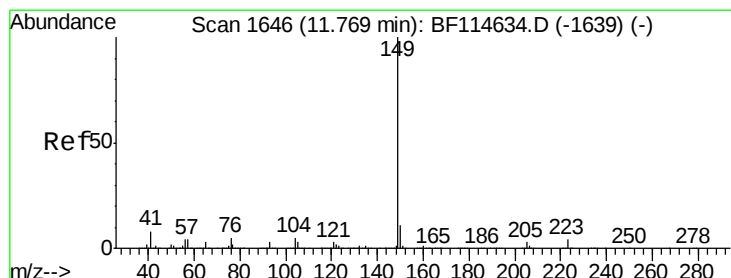
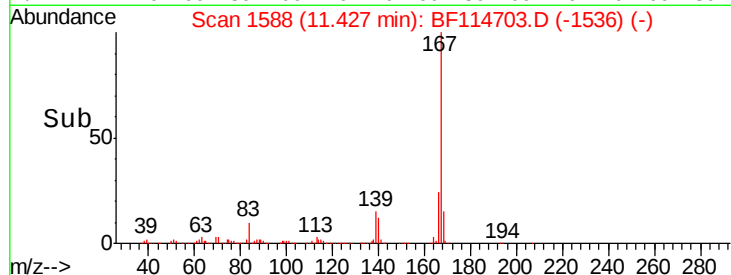
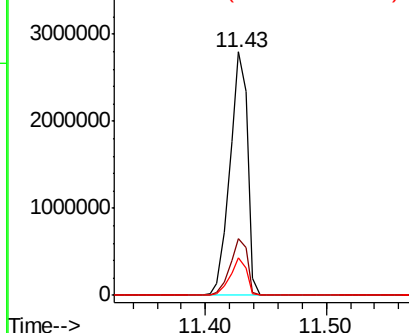
Tot Ion:	167	Resp:	2834314
Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.7	28.1
139	15.2	11.8	17.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



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: 46.428 ng

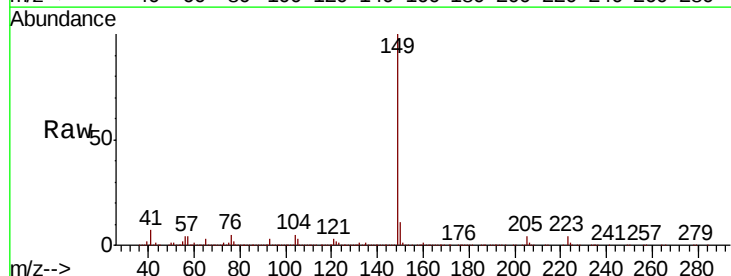
RT: 11.77 min Scan# 1647

Delta R.T. 0.01 min

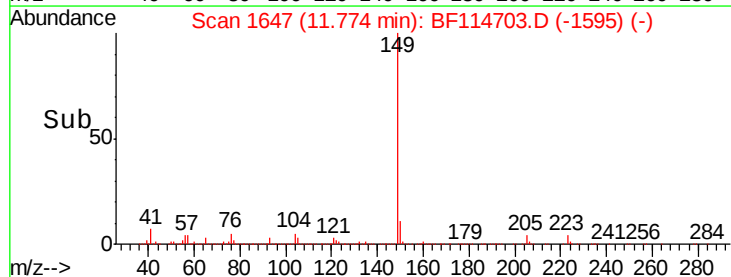
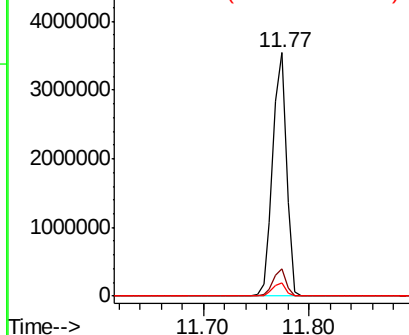
Lab File: BF114703.D

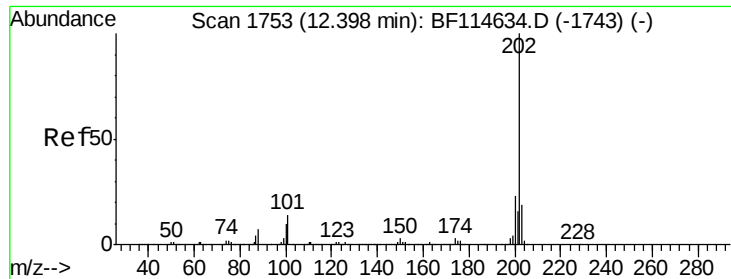
Acq: 31 May 2019 12:59

Tgt Ion:	149	Resp:	3215095
Ion	Ratio	Lower	Upper
149	100		
150	11.0	8.6	12.8
104	5.4	4.3	6.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 47.006 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

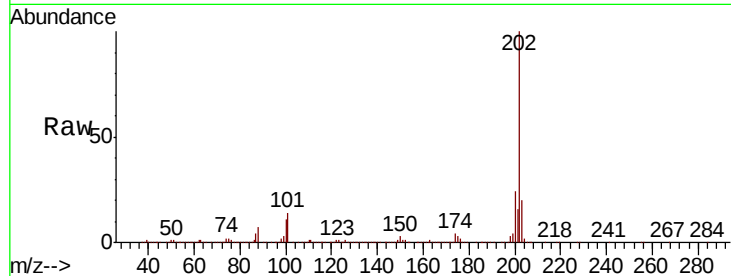
ClientSampleId :

SUP-2A-C-4-052019MS

Tot Ion:	202	Resp:	3162876
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.9
203	19.8	0.0	39.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM

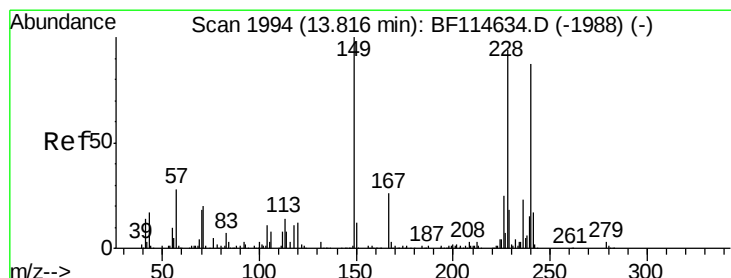
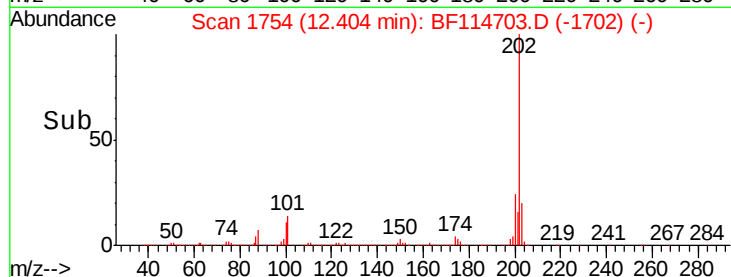
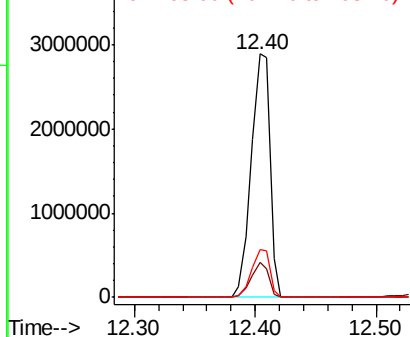


Abundance

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: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

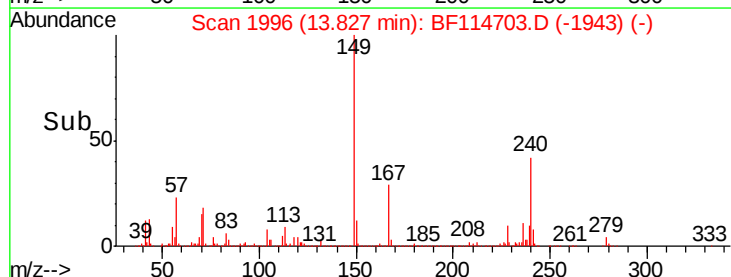
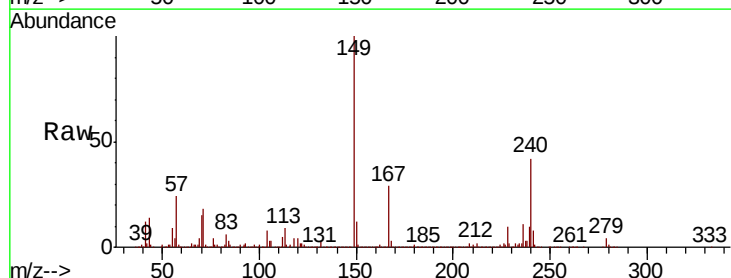
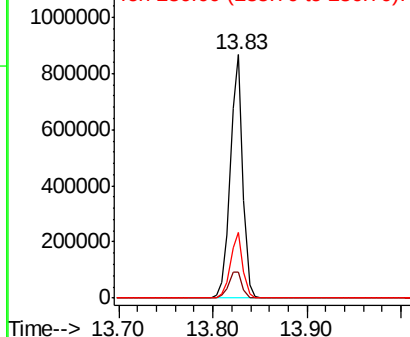
Tgt Ion:	240	Resp:	795122
Ion	Ratio	Lower	Upper
240	100		
120	10.5	11.2	16.8#
236	27.1	21.2	31.8

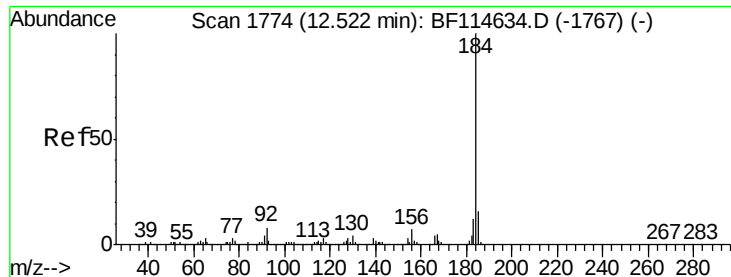
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.886 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

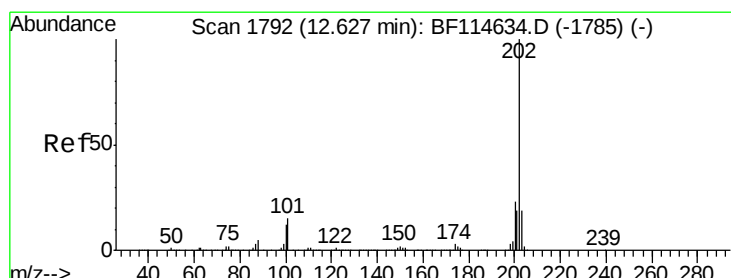
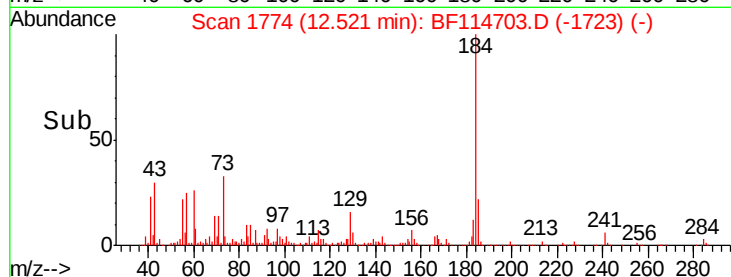
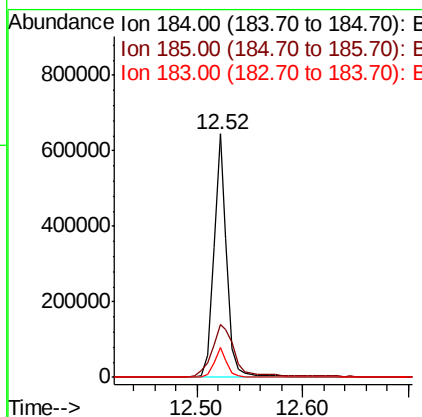
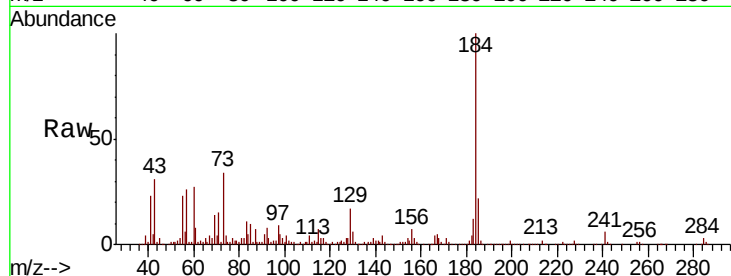
ClientSampleId :

SUP-2A-C-4-052019MS

Tot Ion:	184	Resp:	552883
Ion Ratio	Lower	Upper	
184	100		
185	21.9	12.6	18.8#
183	12.1	9.4	14.2

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



#78

Pyrene

Concen: 47.791 ng

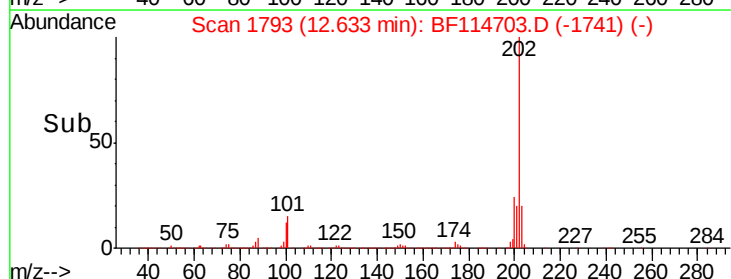
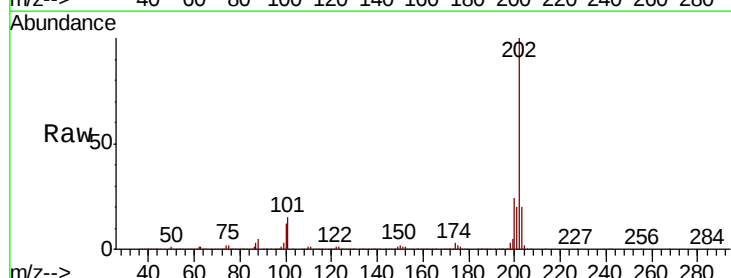
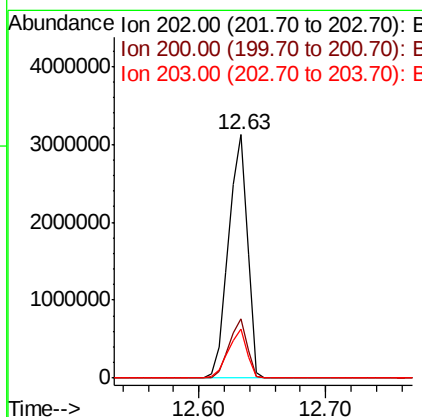
RT: 12.63 min Scan# 1793

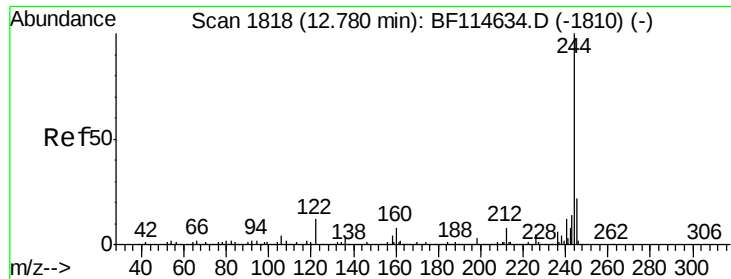
Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Tgt Ion:	202	Resp:	3214477
Ion Ratio	Lower	Upper	
202	100		
200	24.4	18.6	28.0
203	19.9	15.4	23.2





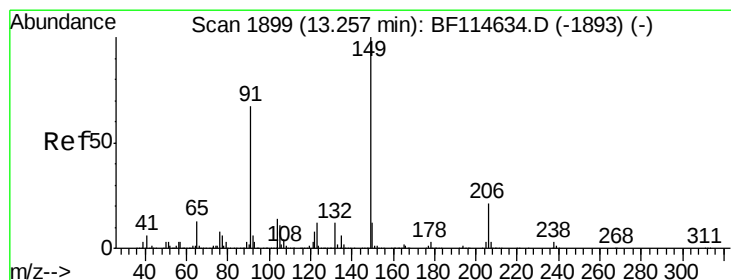
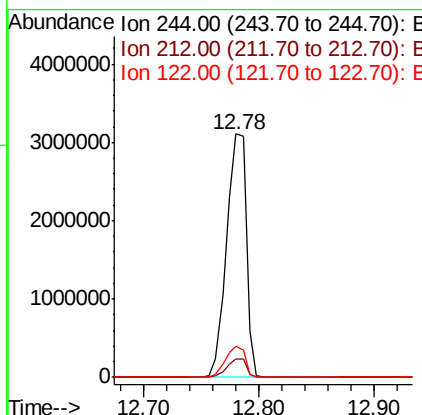
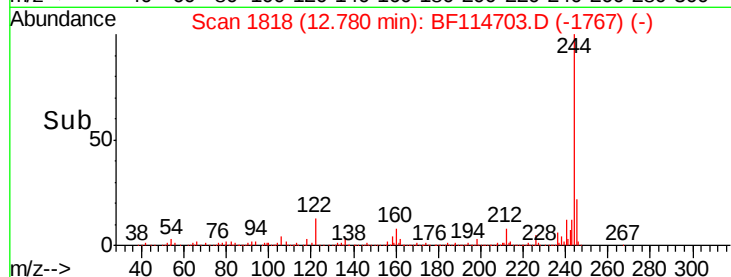
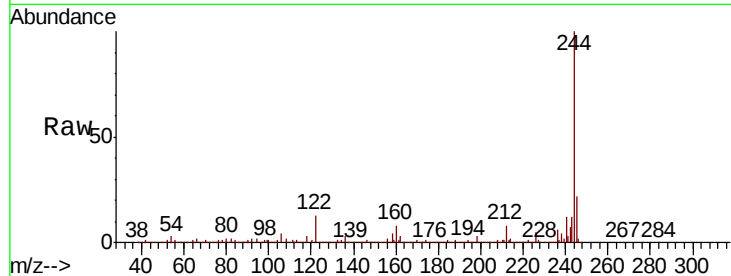
#79
 Terphenyl-d14
 Concen: 87.121 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	12.7	9.8	14.8

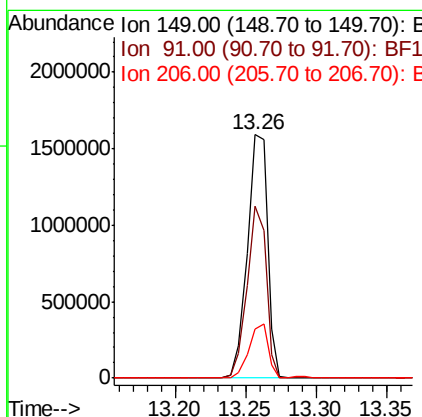
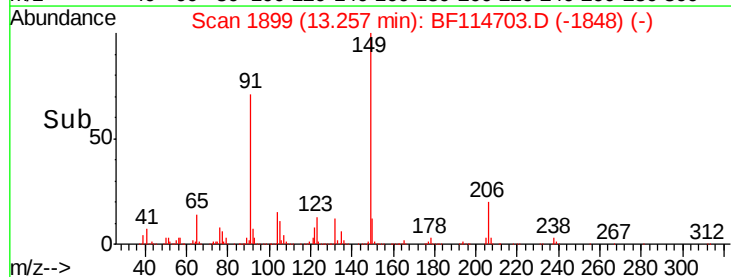
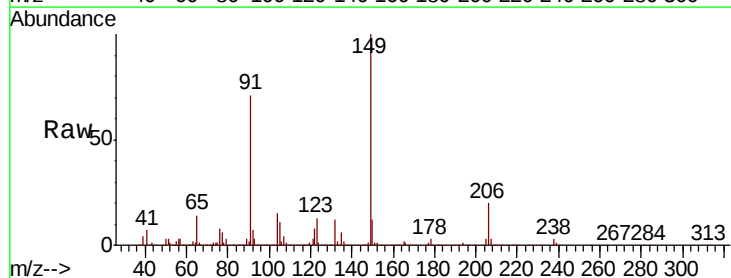
Manual Integrations
 APPROVED

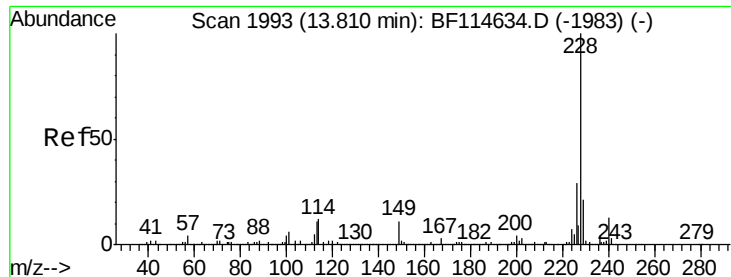
mohammad
 6/3/2019 8:49:21 AM



#80
 Butylbenzylphthalate
 Concen: 47.294 ng
 RT: 13.26 min Scan# 1899
 Delta R.T. -0.00 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.6	53.8	80.8
206	20.2	16.9	25.3





#81

Benzo(a)anthracene

Concen: 46.558 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

Instrument :

BNA_F

ClientSampleId :

SUP-2A-C-4-052019MS

Tot Ion:228 Resp: 2844796

Ion Ratio Lower Upper

228 100

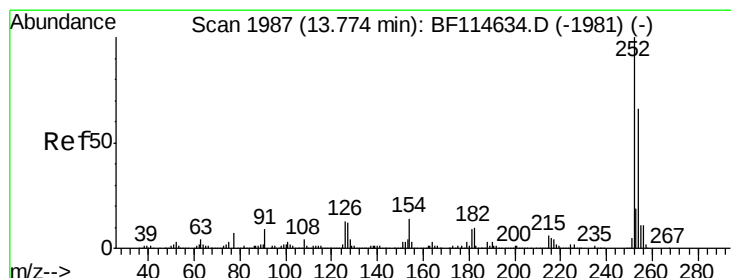
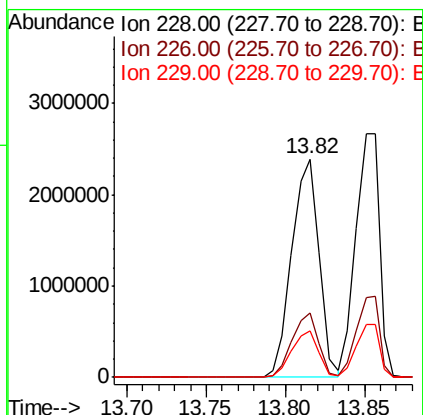
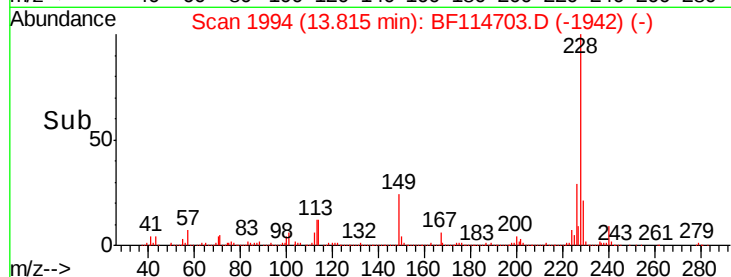
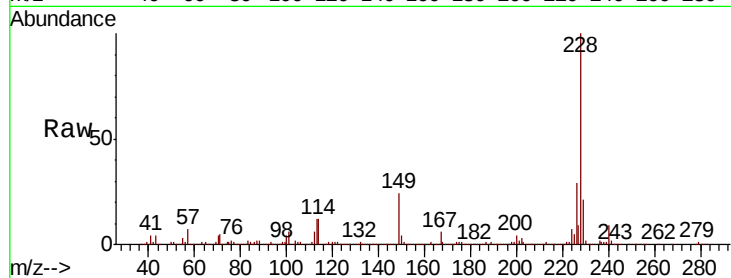
226 29.4 23.0 34.6

229 21.3 17.0 25.4

Manual Integrations
APPROVED

mohammad

6/3/2019 8:49:21 AM



#82

3,3'-Dichlorobenzidine

Concen: 17.387 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF114703.D

Acq: 31 May 2019 12:59

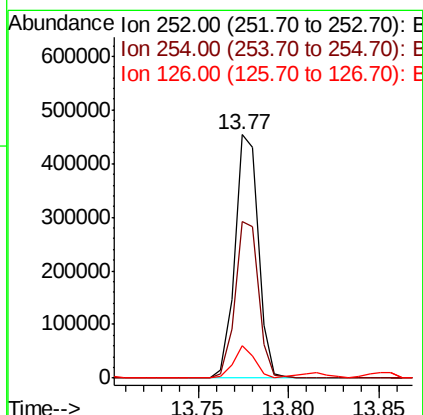
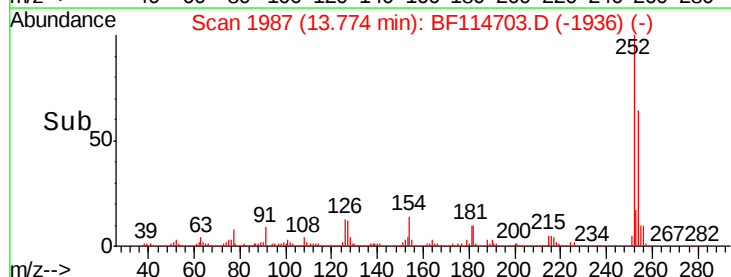
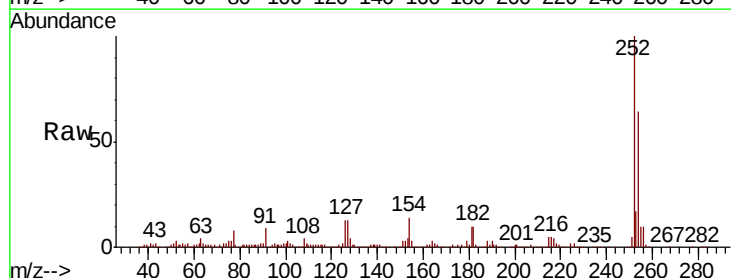
Tgt Ion:252 Resp: 410288

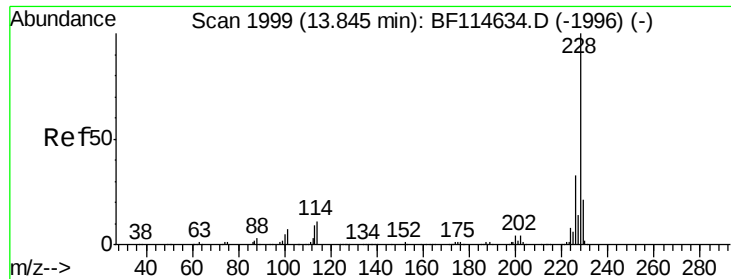
Ion Ratio Lower Upper

252 100

254 64.4 53.1 79.7

126 13.3 10.2 15.2





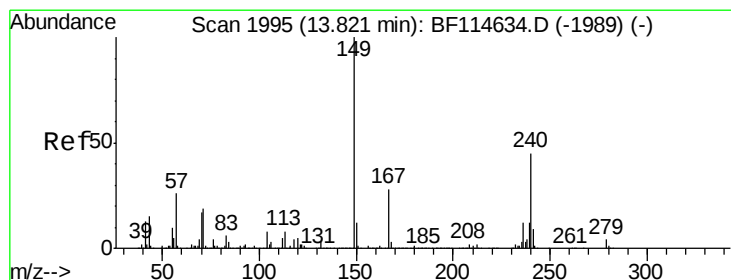
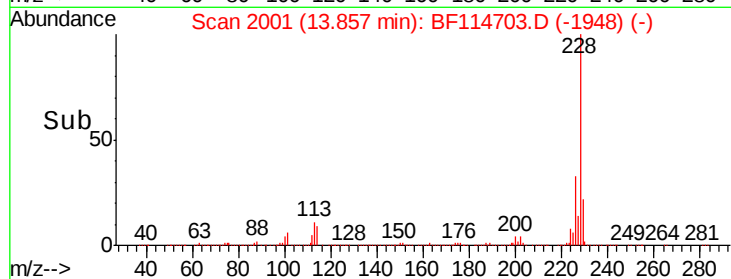
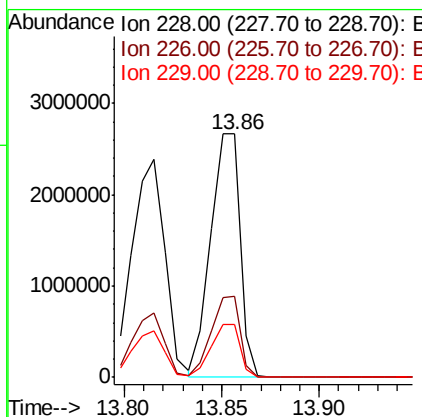
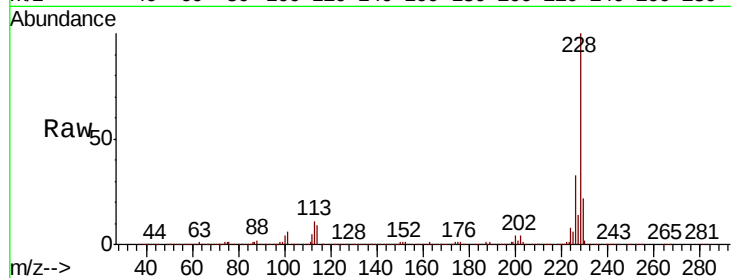
#83
 Chrvsene
 Concen: 48.062 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 SUP-2A-C-4-052019MS

Tot Ion:228 Resp: 2805801
 Ion Ratio Lower Upper
 228 100
 226 33.5 26.4 39.6
 229 21.7 17.1 25.7

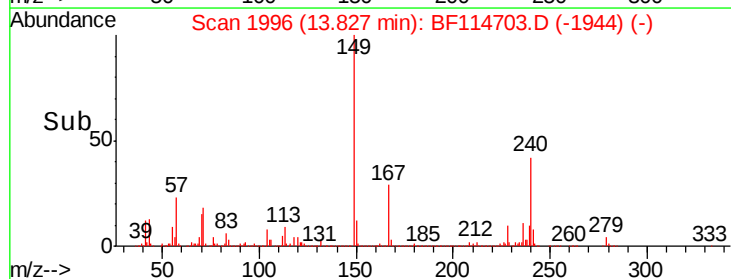
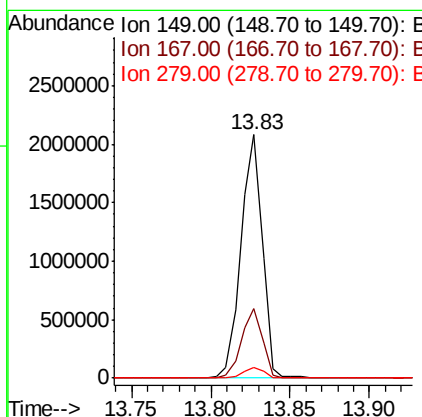
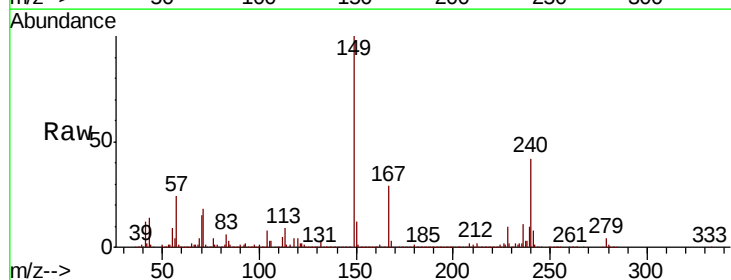
Manual Integrations
 APPROVED

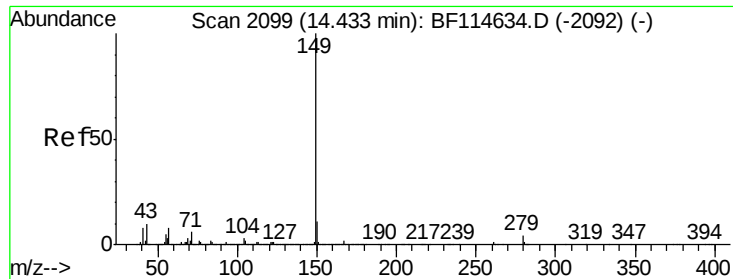
mohammad
 6/3/2019 8:49:21 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.249 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. 0.01 min
 Lab File: BF114703.D
 Acq: 31 May 2019 12:59

Tgt Ion:149 Resp: 1932771
 Ion Ratio Lower Upper
 149 100
 167 28.7 22.6 33.8
 279 4.4 3.0 4.4





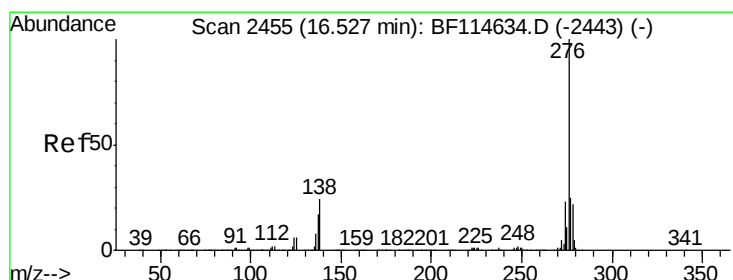
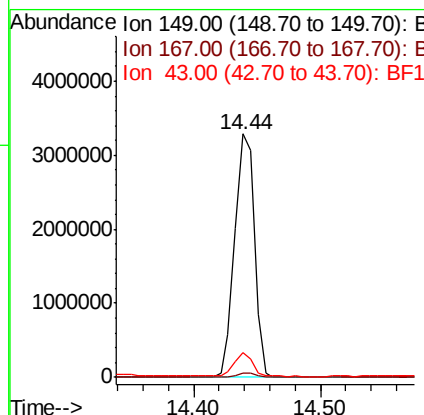
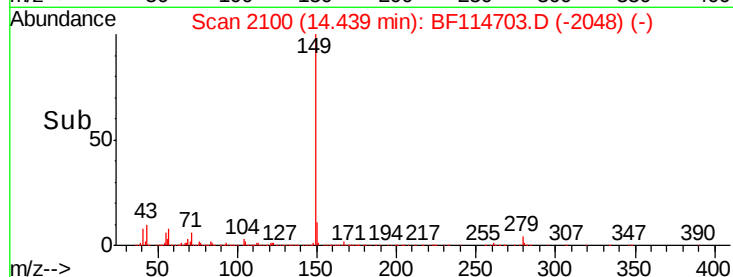
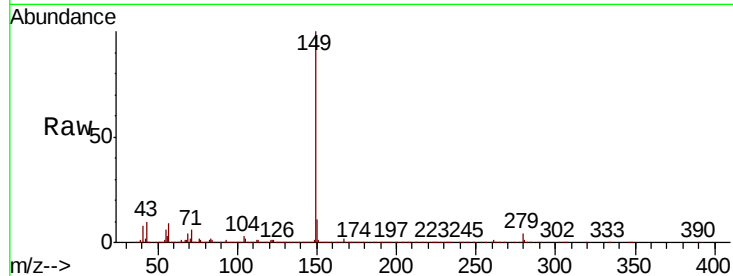
#85
Di-n-octyl phthalate
Concen: 48.338 ng
RT: 14.44 min Scan# 2100
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ion	Ratio	Lower	Upper
149	100			
167	1.7	1.3	1.9	
43	9.1	8.0	12.0	

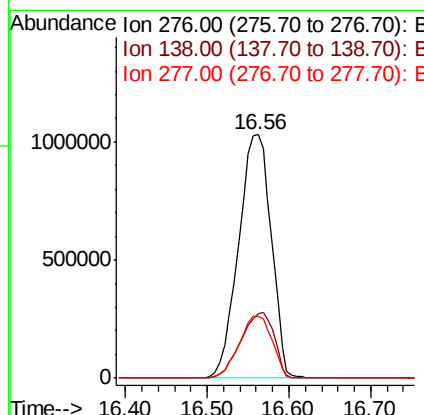
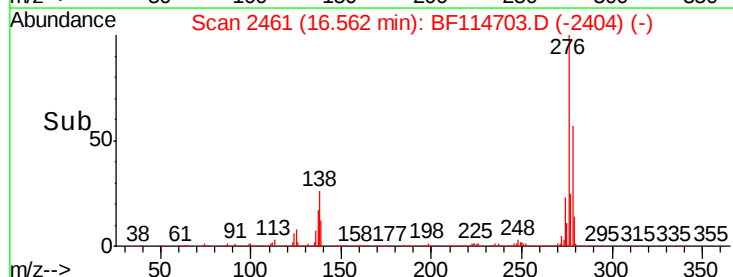
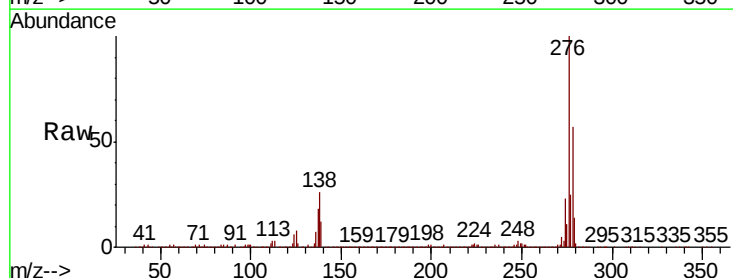
Manual Integrations
APPROVED

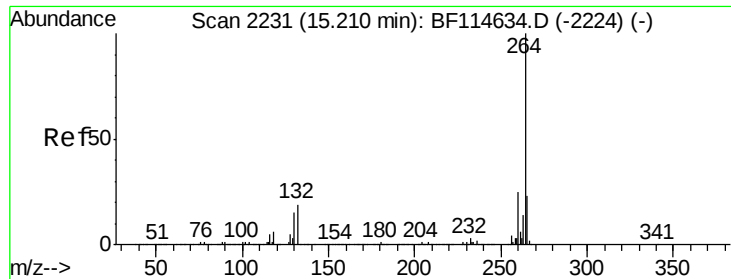
mohammad
6/3/2019 8:49:21 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 48.974 ng
RT: 16.56 min Scan# 2461
Delta R.T. 0.04 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ion	Ratio	Lower	Upper
276	100			
138	27.6	23.0	34.6	
277	25.8	20.5	30.7	





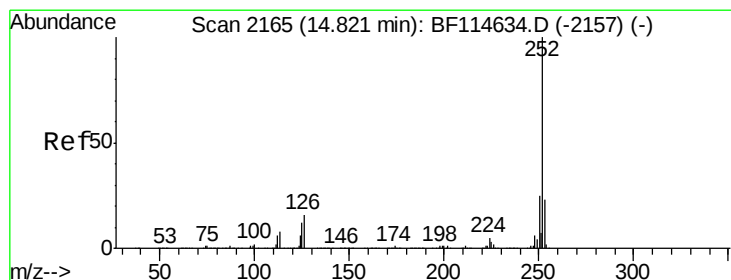
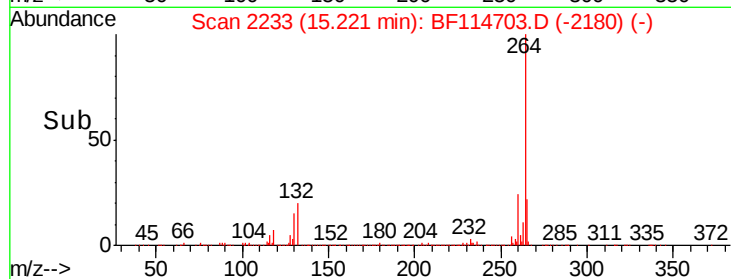
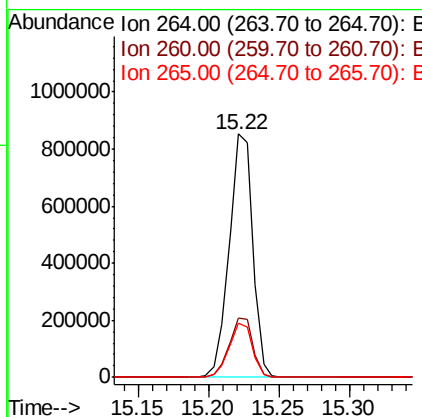
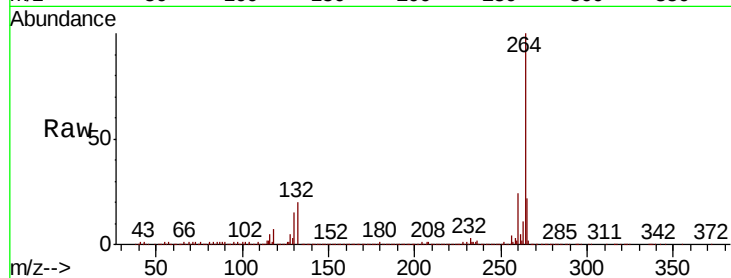
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.0	18.1	27.1

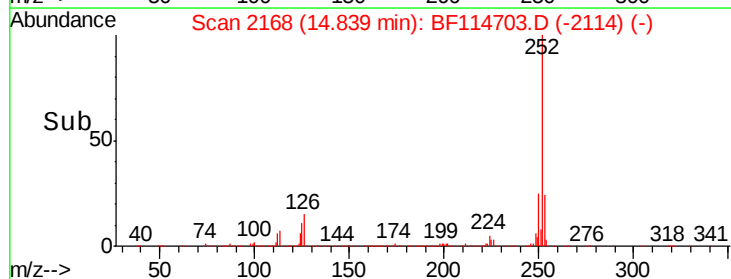
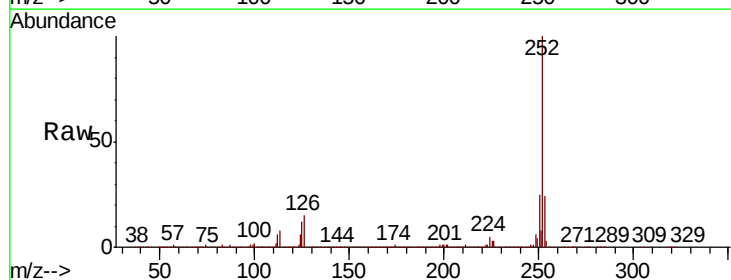
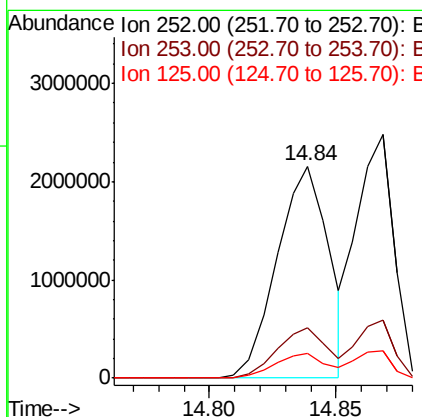
Manual Integrations
APPROVED

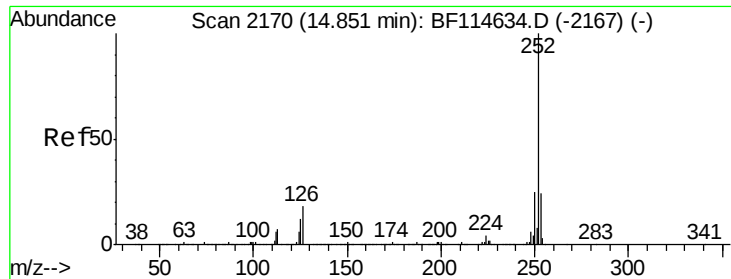
mohammad
6/3/2019 8:49:21 AM



#88
Benzo(b)fluoranthene
Concen: 49.162 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.02 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.7	28.1
125	11.5	9.4	14.2





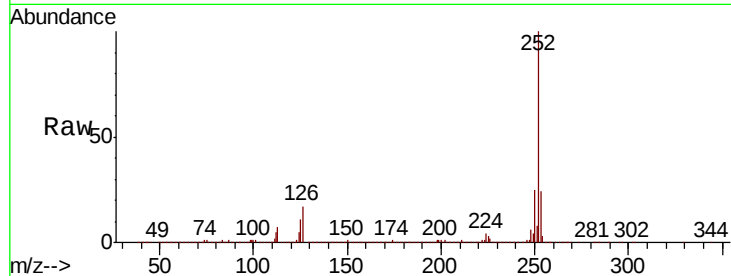
#89
Benzo(k)fluoranthene
Concen: 46.889 ng
RT: 14.87 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

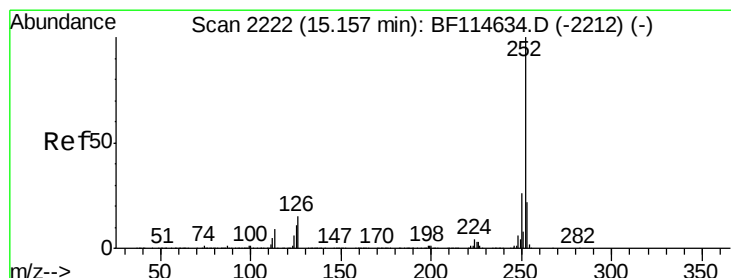
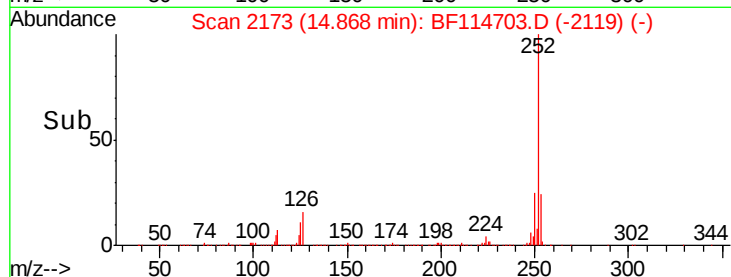
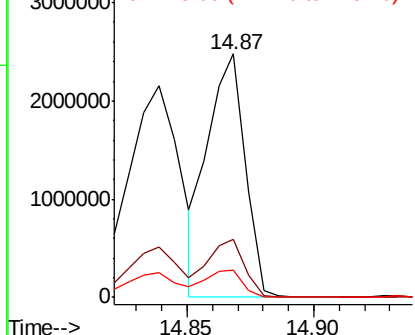
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	11.1	9.5	14.3

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



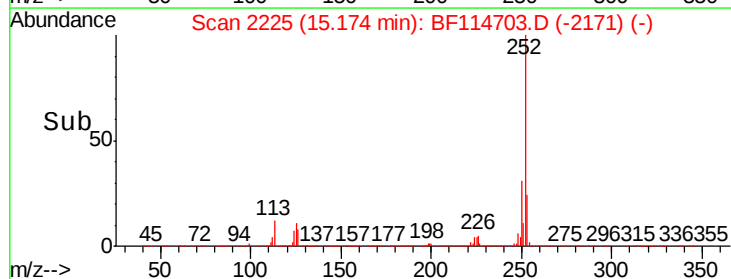
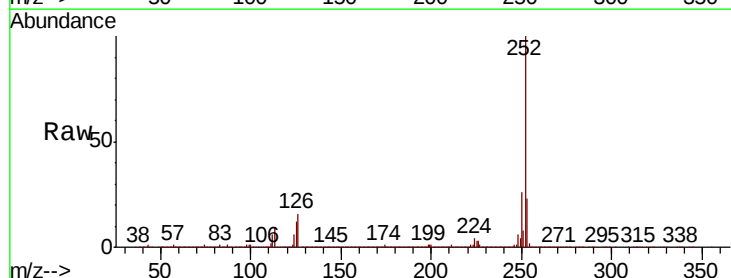
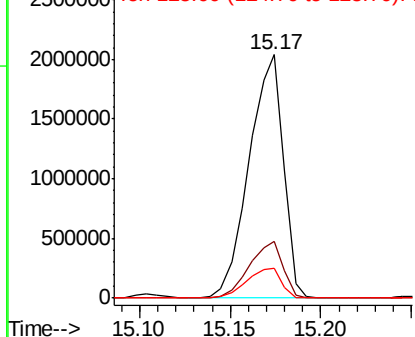
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

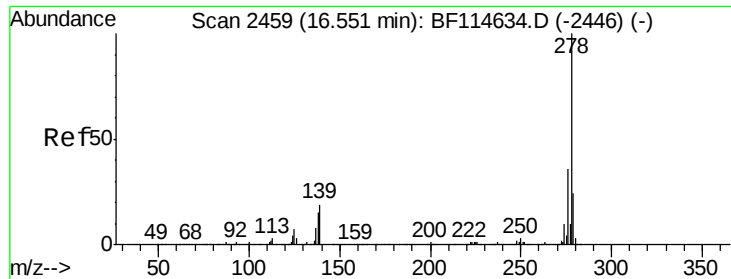


#90
Benzo(a)pyrene
Concen: 48.885 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.02 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	12.1	9.2	13.8

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





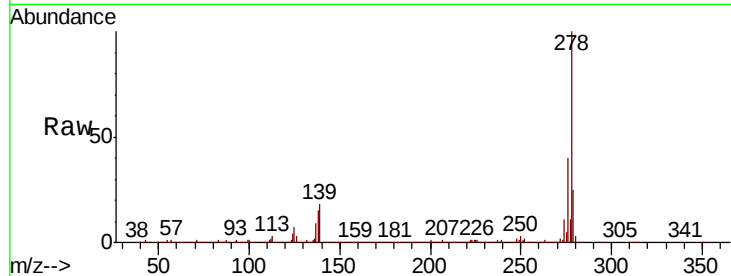
#91
Dibenzo(a,h)anthracene
Concen: 48.290 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.03 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Instrument :
BNA_F
ClientSampleId :
SUP-2A-C-4-052019MS

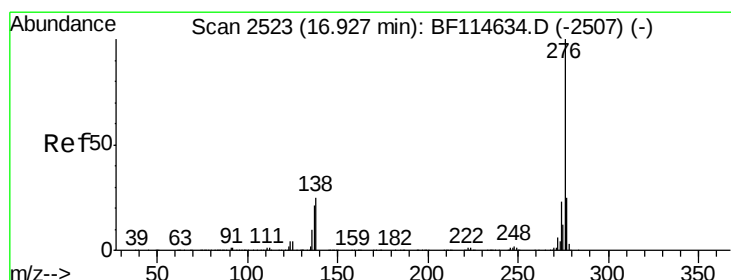
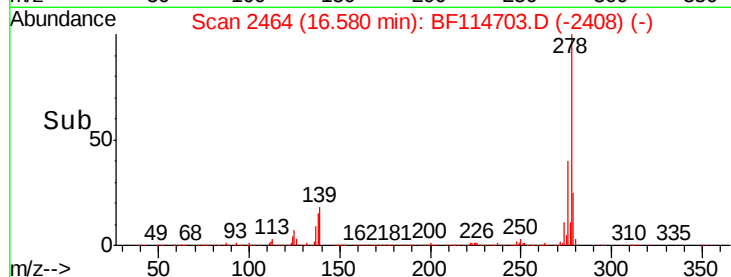
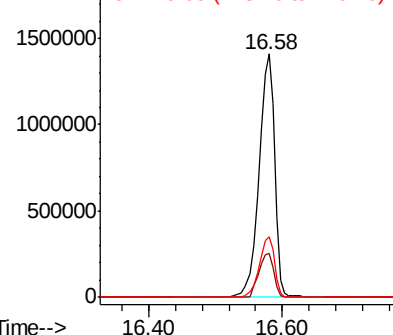
Tot Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	24.9	19.5	29.3

Manual Integrations
APPROVED

mohammad
6/3/2019 8:49:21 AM



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: 51.552 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.04 min
Lab File: BF114703.D
Acq: 31 May 2019 12:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.7	29.5
138	23.7	19.8	29.8

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

