

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020520\
 Data File : BF118824.D
 Acq On : 5 Feb 2020 12:17
 Operator : CG/JU
 Sample : L1360-01MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MS

Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:18:52 PM

Quant Time: Feb 06 11:33:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	223028	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	868023	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	490282	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	971129	20.00	ng	0.00
76) Chrysene-d12	13.97	240	857894	20.00	ng	0.00
87) Perylene-d12	15.42	264	1038764	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1133602	96.21	ng	0.00
7) Phenol-d6	6.45	99	1423595	97.33	ng	0.00
23) Nitrobenzene-d5	7.37	82	915044	62.83	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	548410	93.48	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1902879	69.38	ng	-0.01
79) Terphenyl-d14	12.92	244	2670379	63.94	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.57	88	183855	34.241	ng	98
3) Pyridine	3.32	79	476844	31.982	ng	99
4) n-Nitrosodimethylamine	3.25	42	209461	38.586	ng	95
6) Aniline	6.47	93	373338	19.819	ng	99
8) 2-Chlorophenol	6.60	128	582857	44.414	ng	100
9) Benzaldehyde	6.36	77	264265	28.365	ng	100
10) Phenol	6.46	94	693140	42.622	ng	97
11) bis(2-Chloroethyl)ether	6.55	93	520024	41.796	ng	99
12) 1,3-Dichlorobenzene	6.76	146	623938	39.943	ng	97
13) 1,4-Dichlorobenzene	6.83	146	631929	40.556	ng	98
14) 1,2-Dichlorobenzene	6.99	146	596336	40.065	ng	100
15) Benzyl Alcohol	6.95	79	489120	43.265	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.09	45	594723	39.032	ng	99
17) 2-Methylphenol	7.07	107	455071	41.709	ng	99
18) Hexachloroethane	7.33	117	218814	39.127	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	367649	41.083	ng	98
20) 3+4-Methylphenols	7.22	107	562847	41.156	ng	# 88
22) Acetophenone	7.22	105	721688	38.268	ng	# 99
24) Nitrobenzene	7.39	77	582650	40.049	ng	99
25) Isophorone	7.63	82	1033176	39.475	ng	100
26) 2-Nitrophenol	7.71	139	316951	40.885	ng	99
27) 2,4-Dimethylphenol	7.75	122	470959	44.723	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	636927	37.529	ng	99
29) 2,4-Dichlorophenol	7.95	162	501740	39.785	ng	100
30) 1,2,4-Trichlorobenzene	8.04	180	553044	37.518	ng	99
31) Naphthalene	8.12	128	1622803	40.877	ng	99
32) Benzoic acid	7.87	122	347964	39.909	ng	99
33) 4-Chloroaniline	8.16	127	210977	11.878	ng	96
34) Hexachlorobutadiene	8.24	225	327137	36.224	ng	100
35) Caprolactam	8.53	113	174954m	42.794	ng	
36) 4-Chloro-3-methylphenol	8.65	107	525924	41.439	ng	100
37) 2-Methylnaphthalene	8.81	142	1135677	41.247	ng	99
38) 1-Methylnaphthalene	8.91	142	1066154	41.162	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	554130	37.449	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020520\
 Data File : BF118824.D
 Acq On : 5 Feb 2020 12:17
 Operator : CG/JU
 Sample : L1360-01MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MS

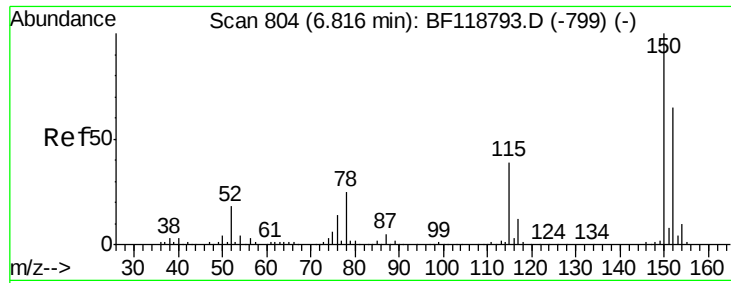
Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:18:52 PM

Quant Time: Feb 06 11:33:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	528146	91.026	nq	100
43) 2,4,6-Trichlorophenol	9.09	196	391260	39.542	nq	100
44) 2,4,5-Trichlorophenol	9.13	196	421047	41.645	nq	98
46) 1,1'-Biphenyl	9.27	154	1369763	40.388	nq	98
47) 2-Chloronaphthalene	9.30	162	1099822	39.008	nq	97
48) 2-Nitroaniline	9.39	65	314813	38.713	nq	91
49) Acenaphthylene	9.71	152	1738142	42.696	nq	99
50) Dimethylphthalate	9.57	163	1393635	41.746	nq	99
51) 2,6-Dinitrotoluene	9.63	165	313060	40.984	nq	92
52) Acenaphthene	9.89	154	1169515	43.597	nq	99
53) 3-Nitroaniline	9.79	138	148470	17.526	nq	93
54) 2,4-Dinitrophenol	9.91	184	318026	86.606	nq	92
55) Dibenzofuran	10.06	168	1568921	40.470	nq	98
56) 4-Nitrophenol	9.97	139	540026	88.080	nq	92
57) 2,4-Dinitrotoluene	10.03	165	432353	42.771	nq	# 87
58) Fluorene	10.40	166	1179087	40.427	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	363271	41.143	nq	99
60) Diethylphthalate	10.27	149	1281671	39.483	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	610102	38.572	nq	96
62) 4-Nitroaniline	10.41	138	304660	35.913	nq	99
63) Azobenzene	10.55	77	1150631	41.519	nq	98
65) 4,6-Dinitro-2-methylphenol	10.45	198	240495	44.072	nq	95
66) n-Nitrosodiphenylamine	10.50	169	1105115	39.286	nq	100
67) 4-Bromophenyl-phenylether	10.88	248	426790	37.151	nq	94
68) Hexachlorobenzene	10.95	284	476279	36.145	nq	95
69) Atrazine	11.03	200	414193	44.196	nq	99
70) Pentachlorophenol	11.14	266	521493	74.954	nq	99
71) Phenanthrene	11.36	178	1884856	39.448	nq	99
72) Anthracene	11.41	178	1948897	41.000	nq	99
73) Carbazole	11.56	167	1726833	41.395	nq	99
74) Di-n-butylphthalate	11.90	149	2020280	38.017	nq	99
75) Fluoranthene	12.55	202	2131948	40.867	nq	99
77) Benzidine	12.66	184	884797	34.099	nq	98
78) Pyrene	12.77	202	2171670	36.899	nq	99
80) Butylbenzylphthalate	13.39	149	980927	36.516	nq	96
81) Benzo(a)anthracene	13.96	228	2040727	39.975	nq	100
82) 3,3'-Dichlorobenzidine	13.92	252	532491	25.503	nq	99
83) Chrysene	14.00	228	2031924	39.658	nq	100
84) Bis(2-ethylhexyl)phthalate	13.95	149	1269884	37.261	nq	99
85) Di-n-octyl phthalate	14.56	149	2299906	39.392	nq	100
86) Indeno(1,2,3-cd)pyrene	16.86	276	2523500	49.020	nq	99
88) Benzo(b)fluoranthene	15.00	252	2475323	38.403	nq	100
89) Benzo(k)fluoranthene	15.03	252	2010561	35.820	nq	99
90) Benzo(a)pyrene	15.36	252	2062374	37.387	nq	99
91) Dibenzo(a,h)anthracene	16.87	278	2098875	42.860	nq	99
92) Benzo(g,h,i)perylene	17.29	276	2011572	42.713	nq	99

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



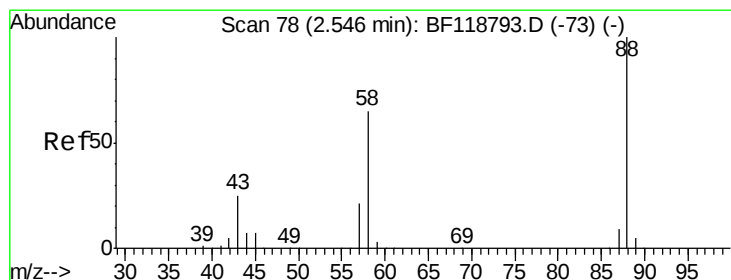
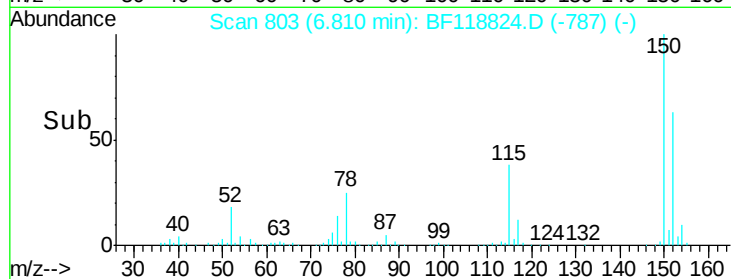
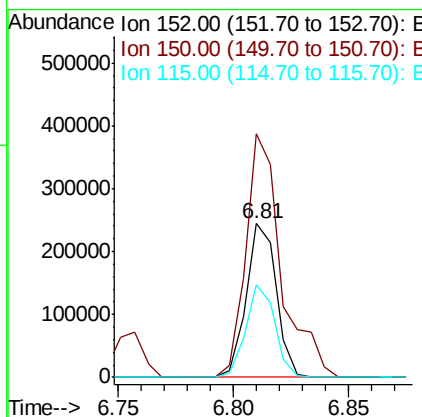
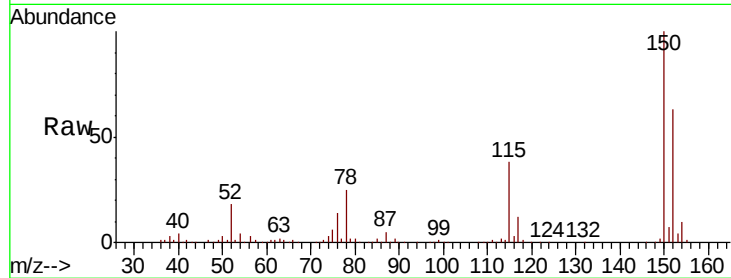
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampled :
 TP-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	123.6	185.4
115	60.1	48.2	72.2

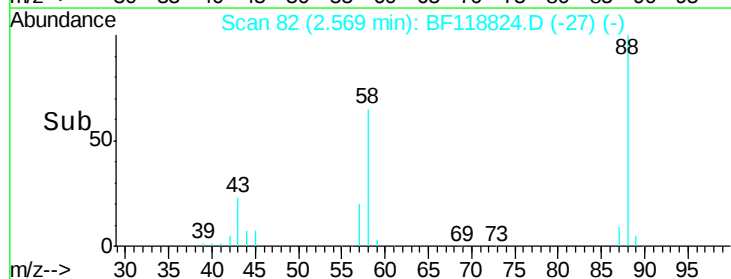
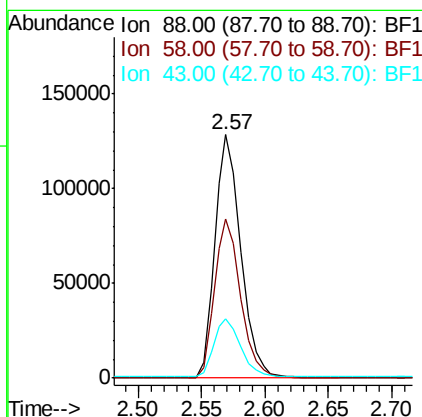
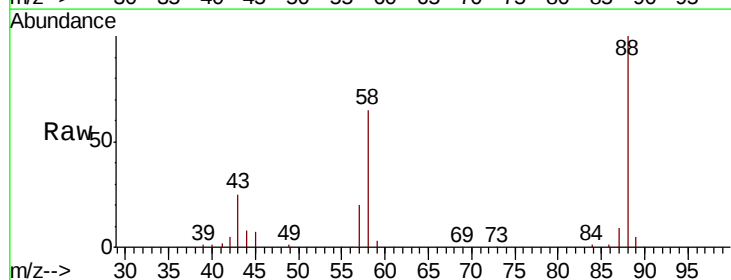
Manual Integrations
 APPROVED

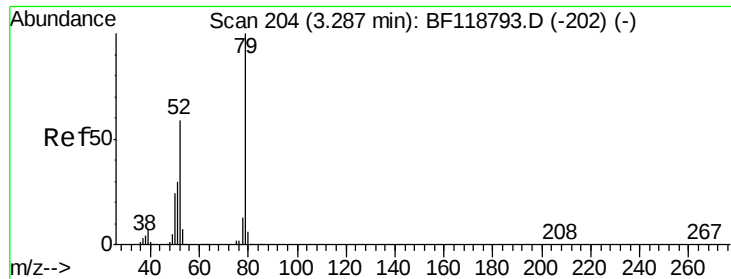
mohammad
 2/6/2020 2:18:52 PM



#2
 1,4-Dioxane
 Concen: 34.241 ng
 RT: 2.57 min Scan# 82
 Delta R.T. 0.02 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.1	51.6	77.4
43	24.8	19.8	29.6





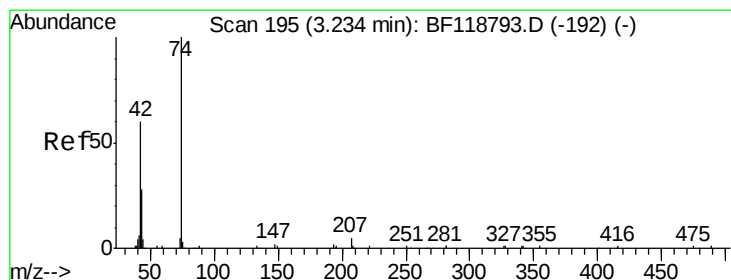
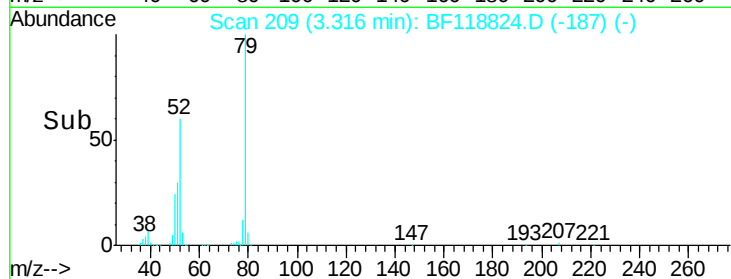
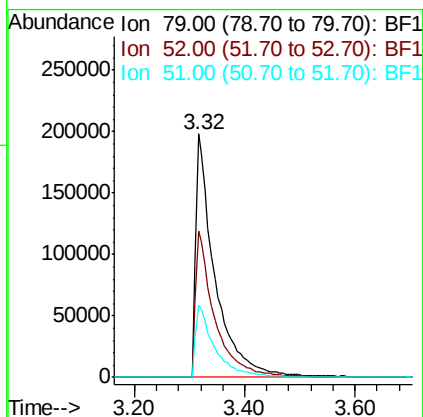
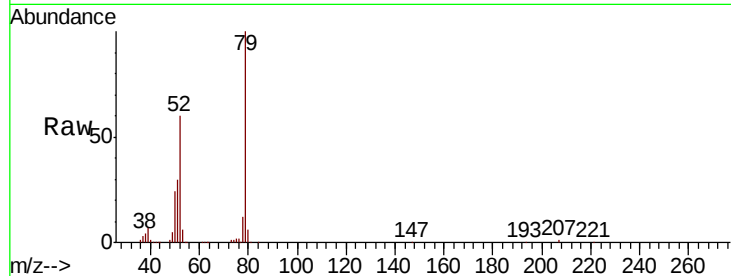
#3
 Pvridine
 Concen: 31.982 ng
 RT: 3.32 min Scan# 209
 Delta R.T. 0.03 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampled :
 TP-1MS

Tot Ion:	79	Resp:	476844
Ion Ratio	Lower	Upper	
79	100		
52	60.1	47.4	71.0
51	29.8	24.2	36.4

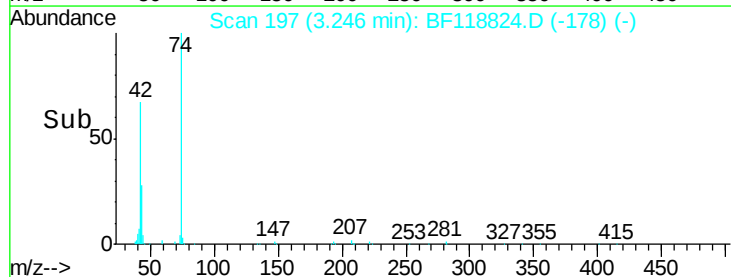
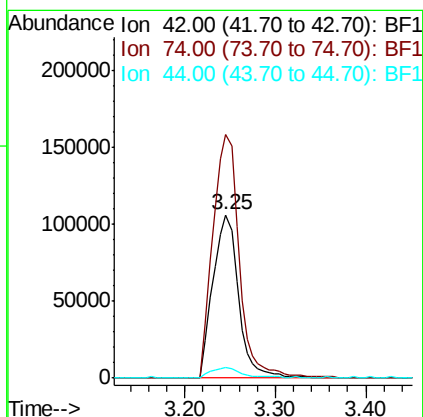
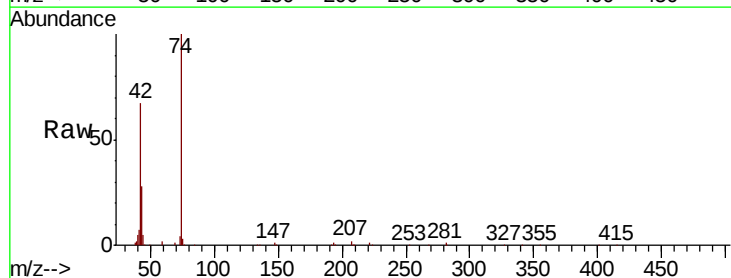
Manual Integrations
 APPROVED

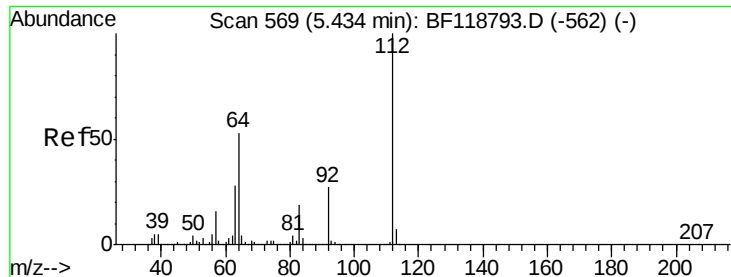
mohammad
 2/6/2020 2:18:52 PM



#4
 n-Nitrosodimethylamine
 Concen: 38.586 ng
 RT: 3.25 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion:	42	Resp:	209461
Ion Ratio	Lower	Upper	
42	100		
74	149.0	124.3	186.5
44	6.7	5.3	7.9





#5

2-Fluorophenol

Concen: 96.213 ng

RT: 5.43 min Scan# 569

Delta R.T. -0.00 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion:112 Resp: 1133602

Ion Ratio Lower Upper

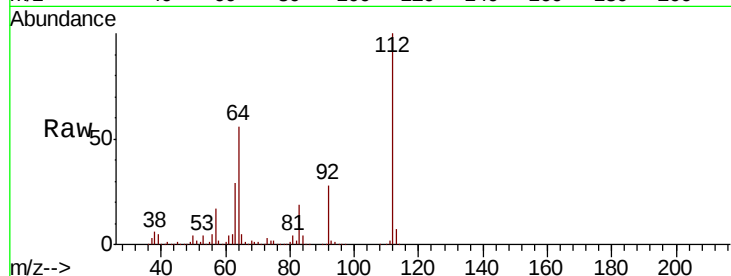
112 100

64 56.3 42.6 63.8

63 29.2 22.2 33.4

Manual Integrations
APPROVED

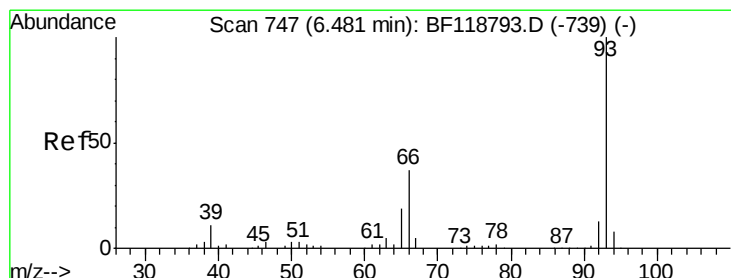
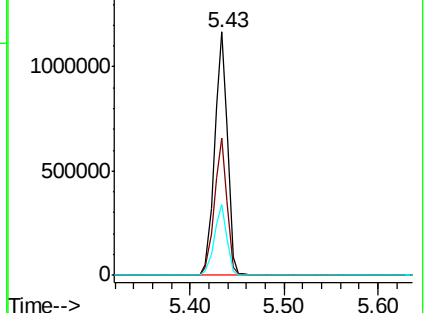
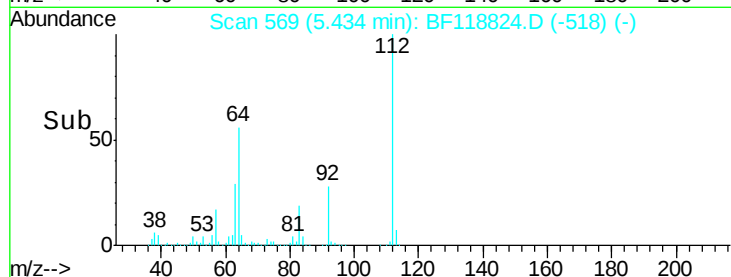
mohammad
2/6/2020 2:18:52 PM



Abundance Ion 112.00 (111.70 to 112.70): BF118824.D (-518) (-)

Ion 64.00 (63.70 to 64.70): BF118824.D (-518) (-)

Ion 63.00 (62.70 to 63.70): BF118824.D (-518) (-)



#6

Aniline

Concen: 19.819 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

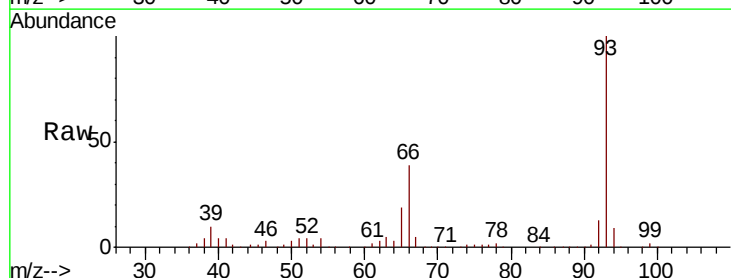
Tgt Ion: 93 Resp: 373338

Ion Ratio Lower Upper

93 100

66 38.7 30.8 46.2

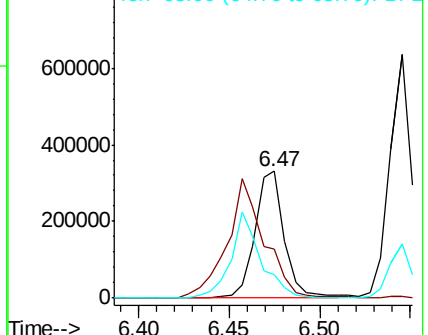
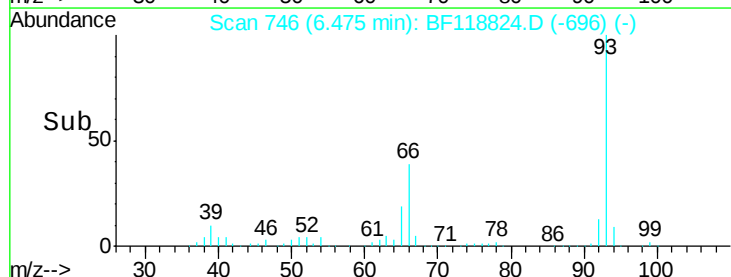
65 18.5 15.4 23.0

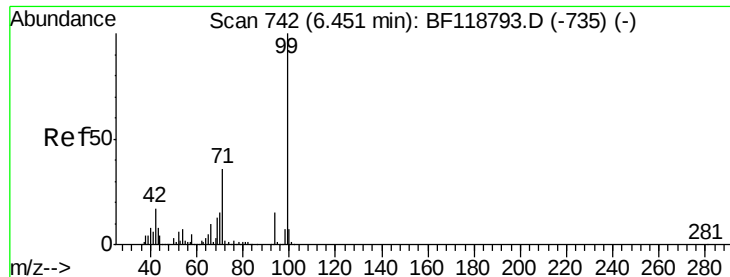


Abundance Ion 93.00 (92.70 to 93.70): BF118824.D (-696) (-)

Ion 66.00 (65.70 to 66.70): BF118824.D (-696) (-)

Ion 65.00 (64.70 to 65.70): BF118824.D (-696) (-)





#7

Phenol-d6

Concen: 97.334 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion: 99 Resp: 1423595

Ion Ratio Lower Upper

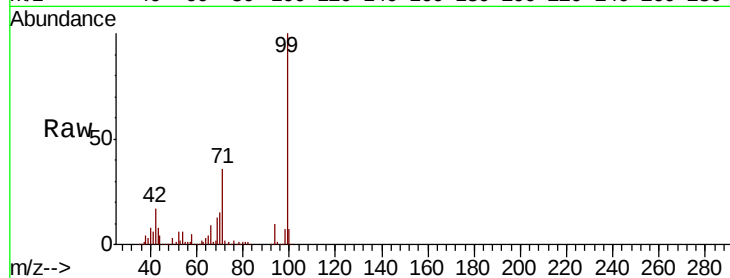
99 100

42 16.6 13.4 20.0

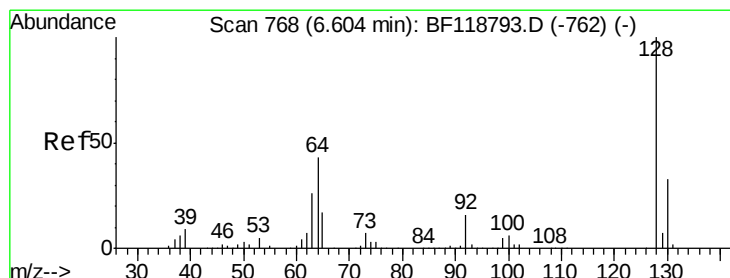
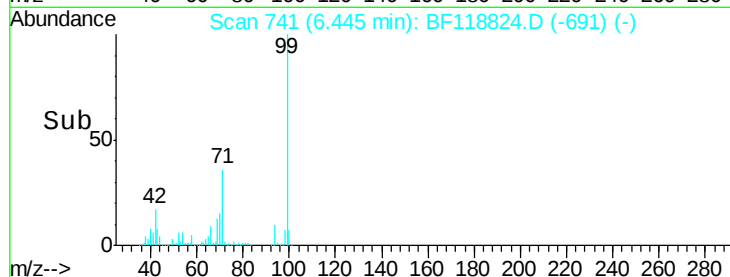
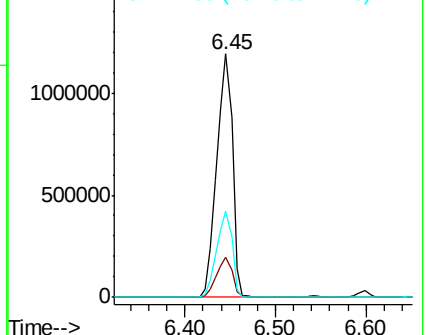
71 35.5 29.0 43.6

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.414 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

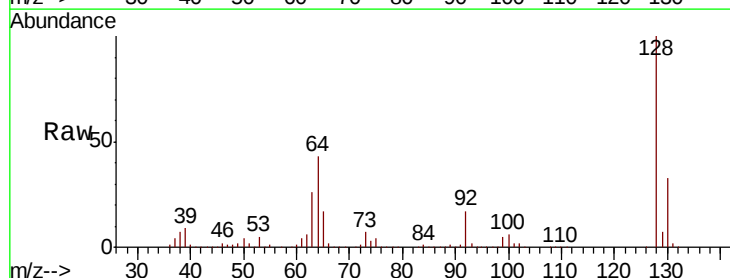
Tgt Ion:128 Resp: 582857

Ion Ratio Lower Upper

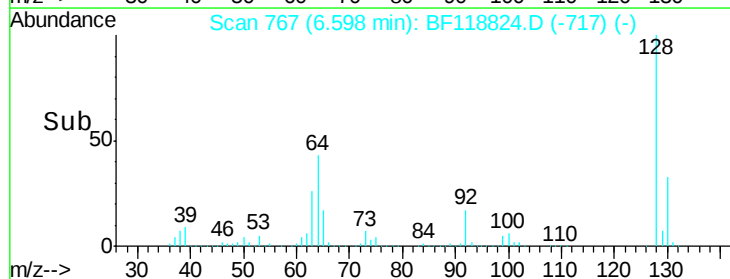
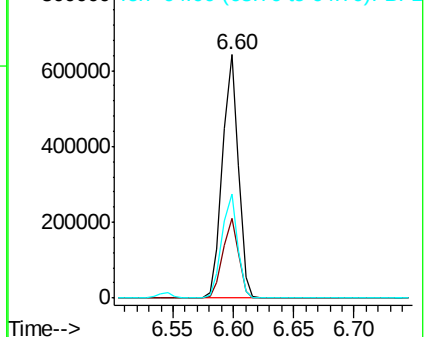
128 100

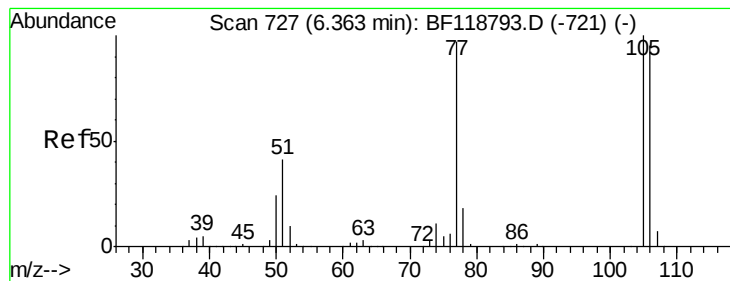
130 33.0 13.1 53.1

64 42.8 23.0 63.0



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





#9

Benzaldehyde

Concen: 28.365 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

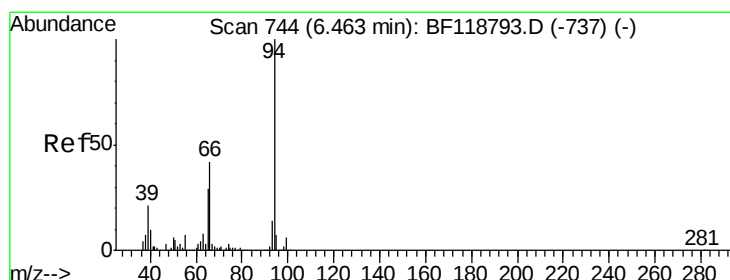
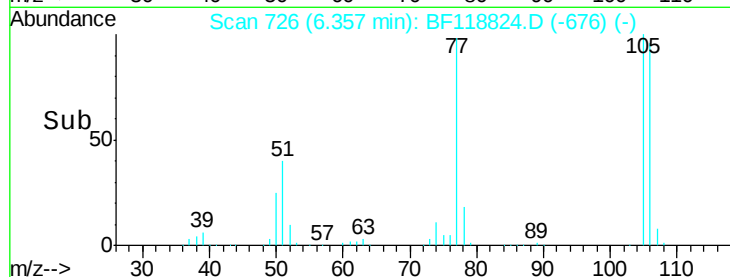
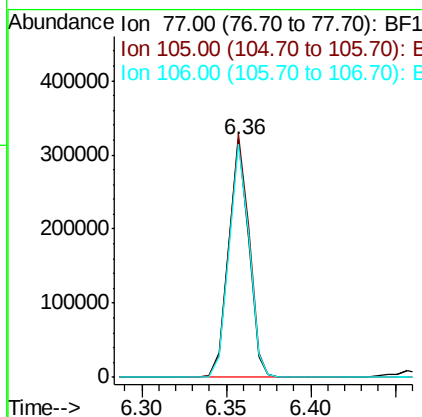
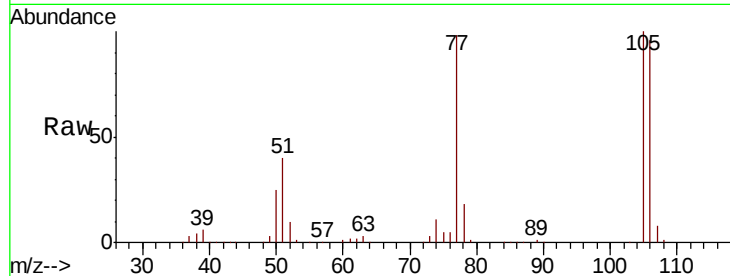
ClientSampleId :

TP-1MS

Tot Ion:	77	Resp:	264265
Ion	Ratio	Lower	Upper
77	100		
105	102.3	82.8	122.8
106	98.1	78.1	118.1

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



#10

Phenol

Concen: 42.622 ng

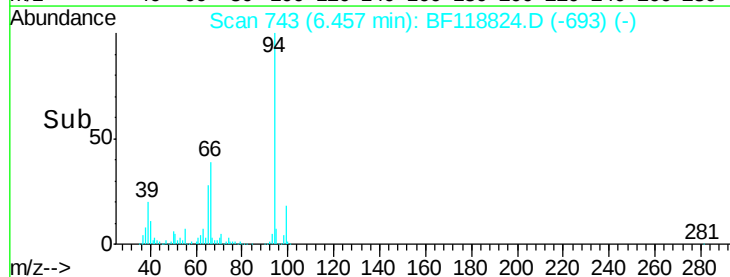
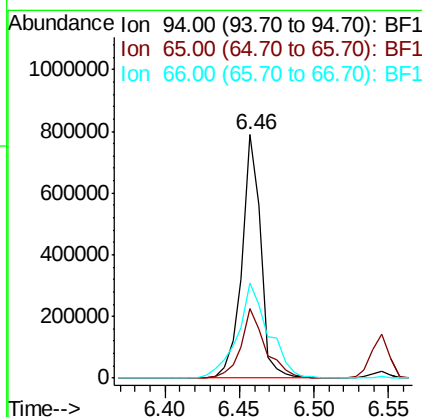
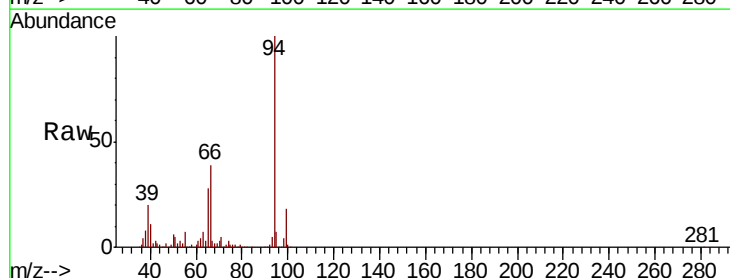
RT: 6.46 min Scan# 743

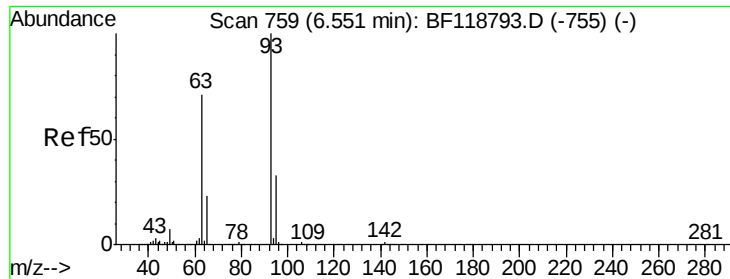
Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Tgt Ion:	94	Resp:	693140
Ion	Ratio	Lower	Upper
94	100		
65	28.3	9.1	49.1
66	39.3	21.7	61.7





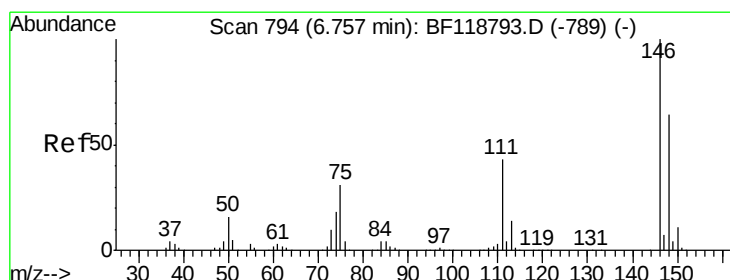
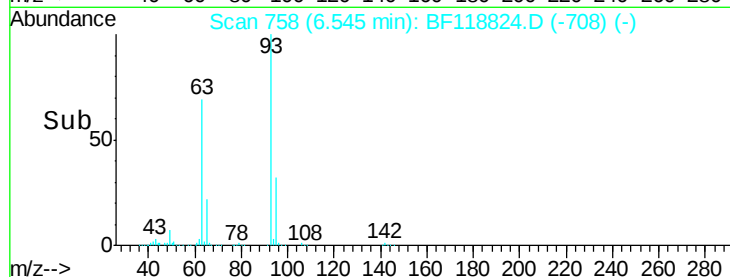
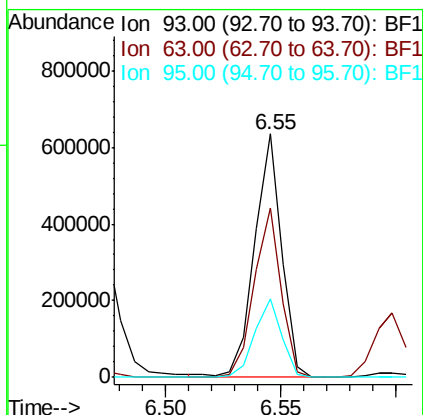
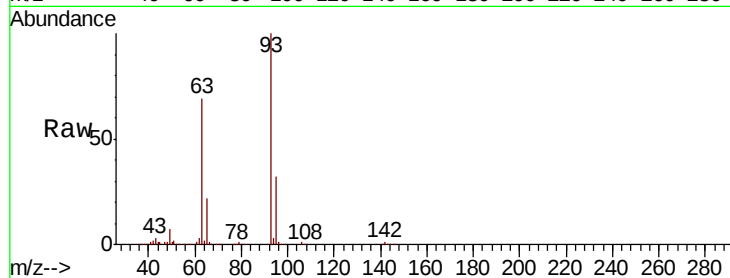
#11
bis(2-Chloroethyl)ether
Concen: 41.796 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	69.5	50.7	90.7
95	32.3	12.6	52.6

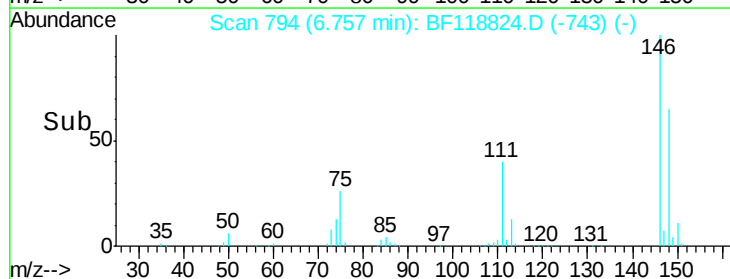
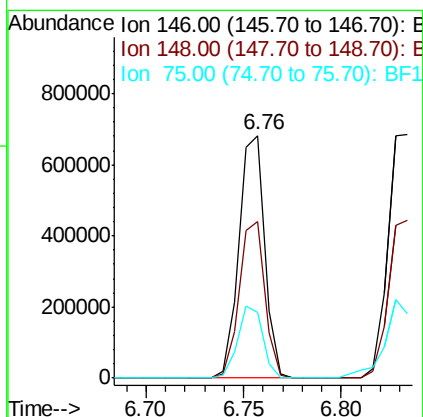
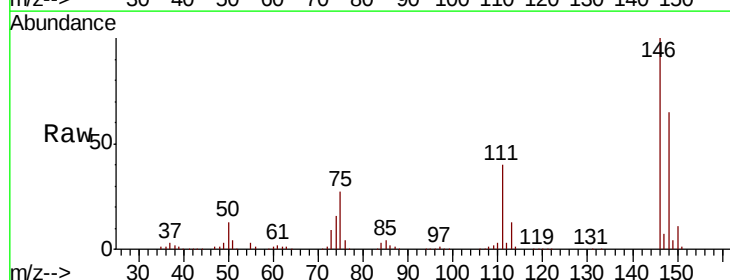
Manual Integrations
APPROVED

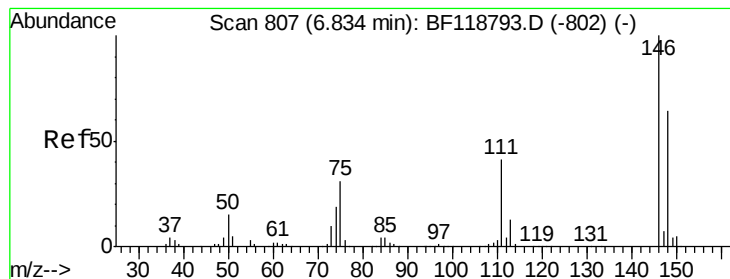
mohammad
2/6/2020 2:18:52 PM



#12
1,3-Dichlorobenzene
Concen: 39.943 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
75	27.1	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 40.556 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

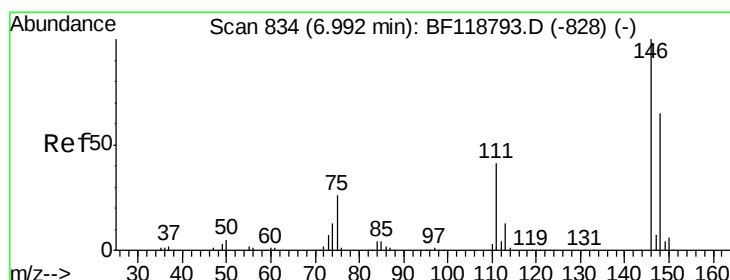
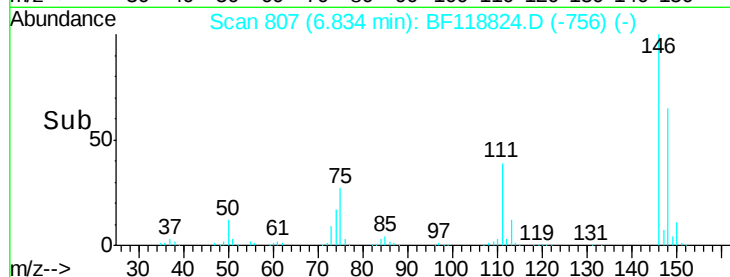
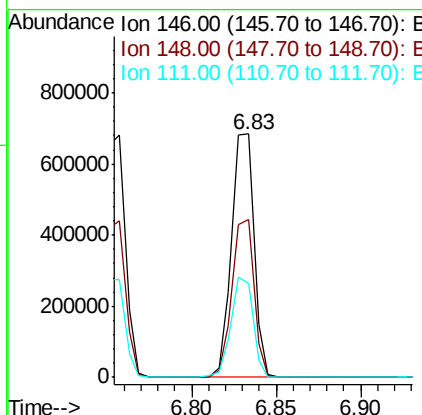
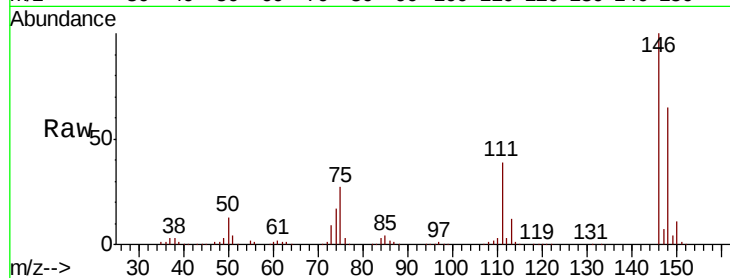
ClientSampleId :

TP-1MS

Tot Ion:	146	Resp:	631929
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.6	77.4
111	38.6	32.9	49.3

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



#14

1,2-Dichlorobenzene

Concen: 40.065 ng

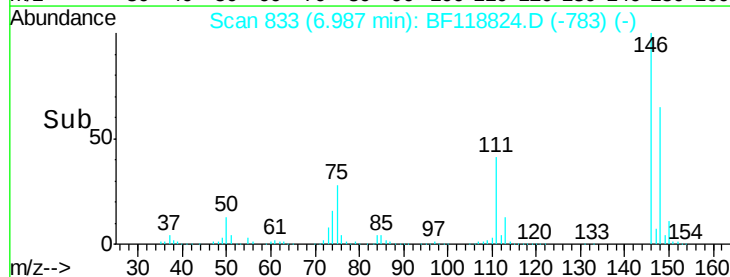
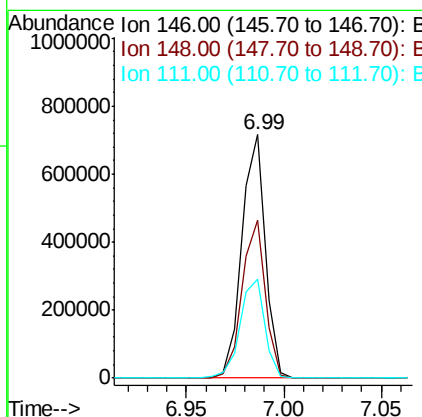
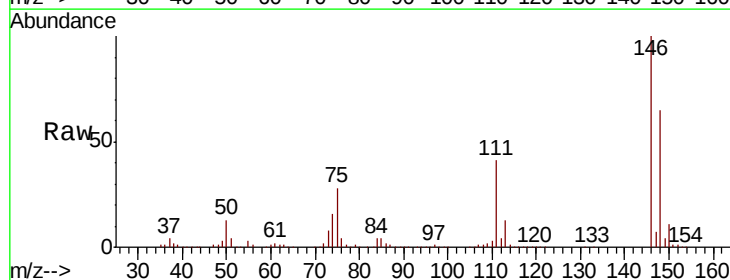
RT: 6.99 min Scan# 833

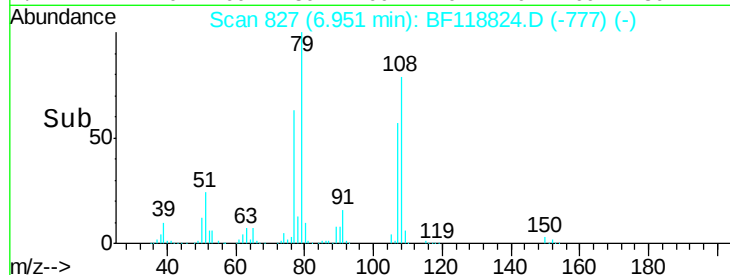
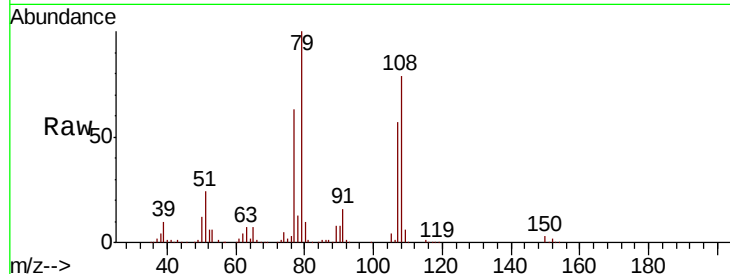
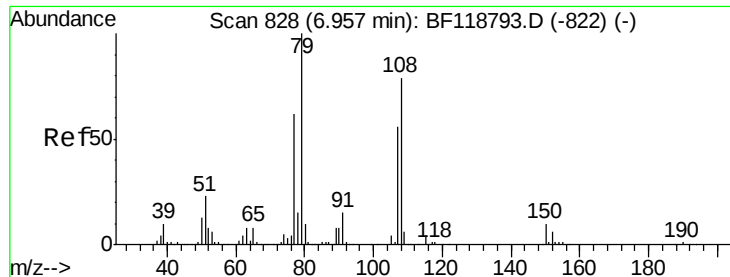
Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Tgt Ion:	146	Resp:	596336
Ion Ratio	Lower	Upper	
146	100		
148	64.6	51.6	77.4
111	40.7	32.7	49.1





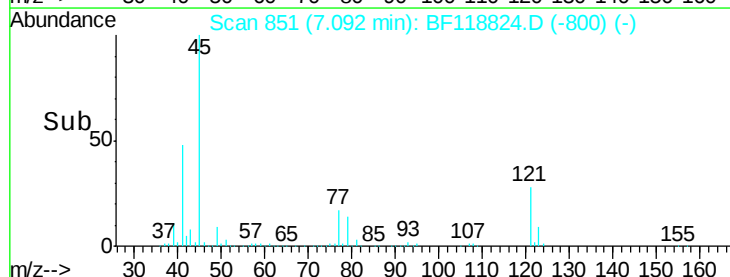
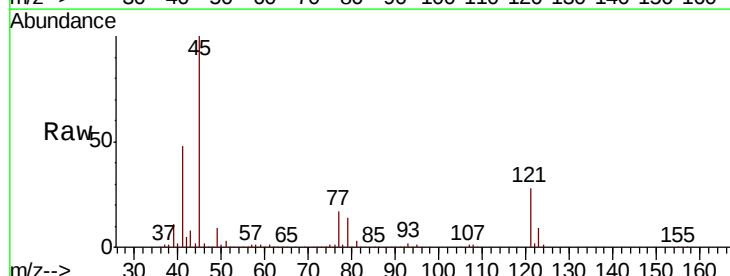
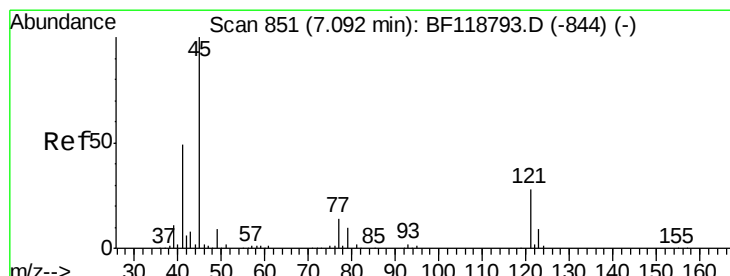
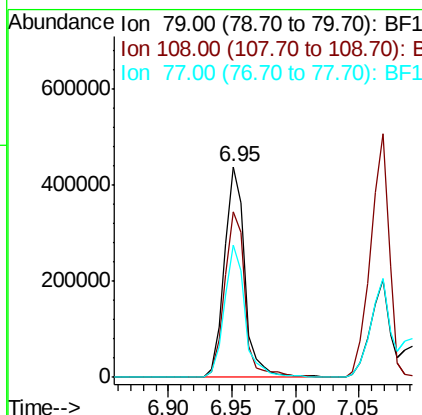
#15
Benzyl Alcohol
Concen: 43.265 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	78.7	62.9	94.3	
77	62.8	50.0	75.0	

Instrument :
BNA_F
ClientSampled :
TP-1MS

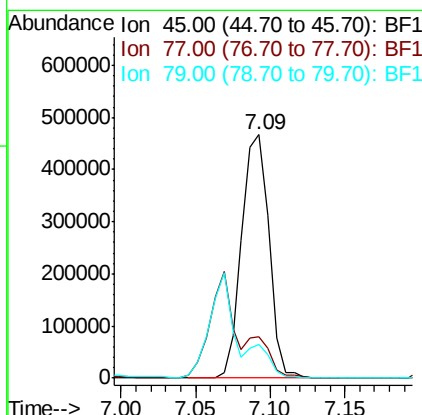
Manual Integrations
APPROVED

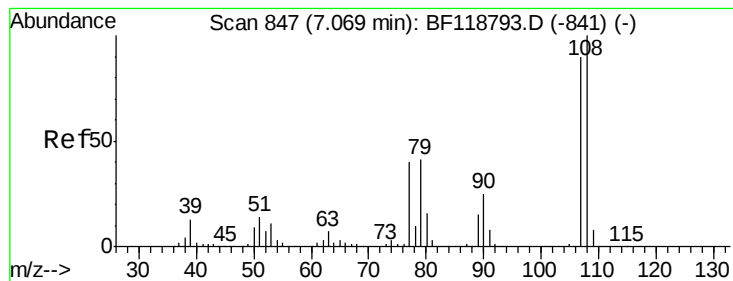
mohammad
2/6/2020 2:18:52 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.032 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	17.1	0.0	37.1	
79	13.7	0.0	33.1	





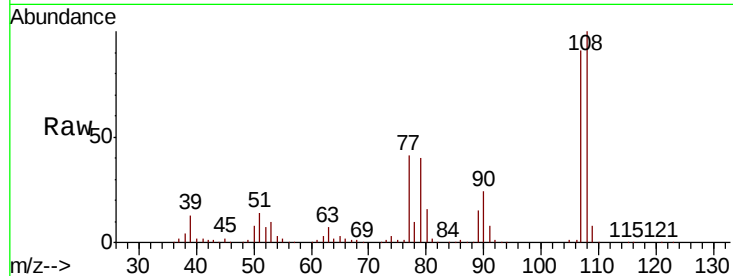
#17
2-Methylphenol
Concen: 41.709 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.00 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.2	89.3	133.9	
77	44.7	36.2	54.2	
79	44.0	36.3	54.5	

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



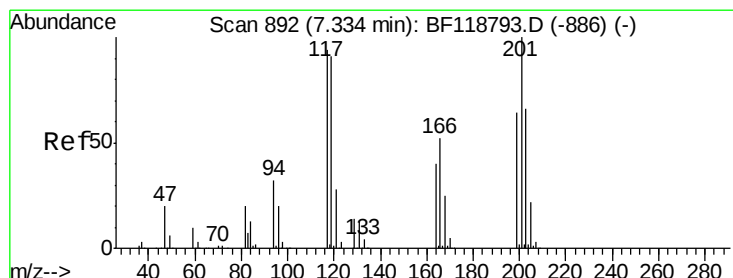
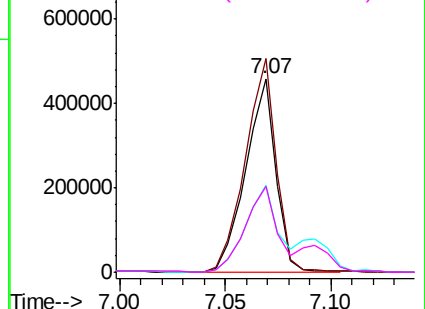
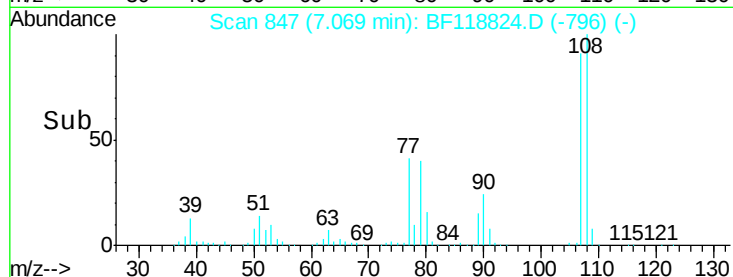
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

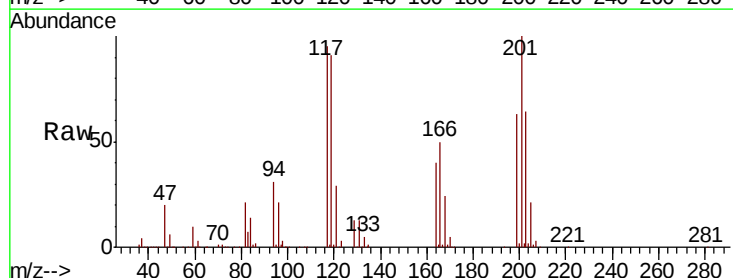
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 39.127 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.9	77.4	116.0	
201	104.9	85.1	127.7	

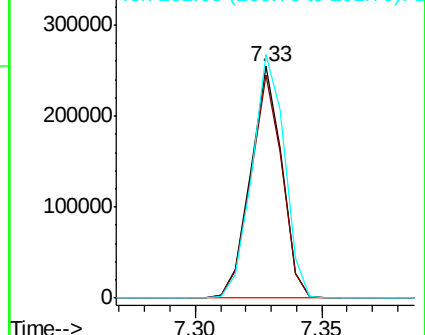
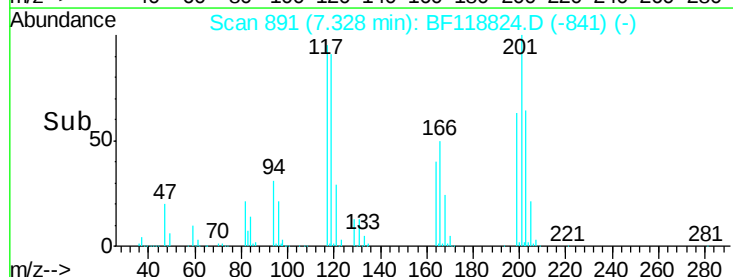


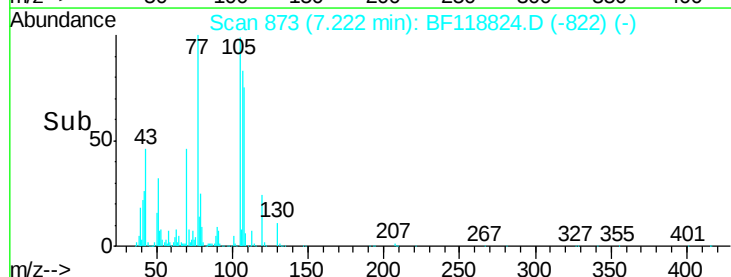
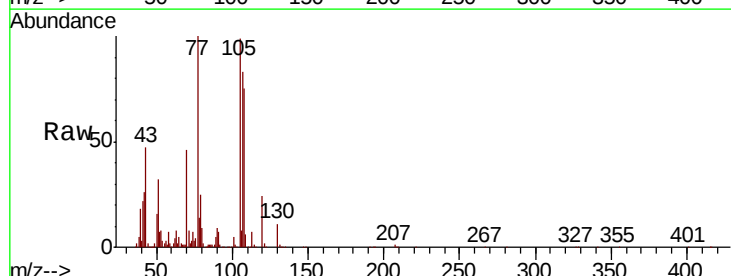
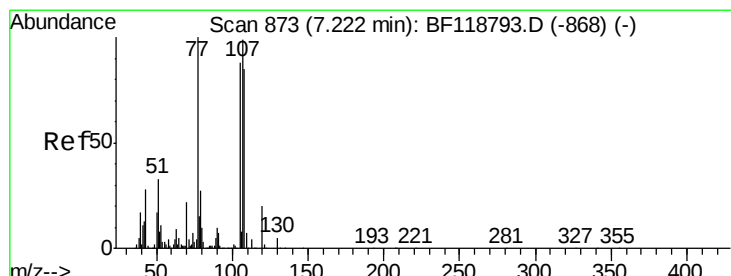
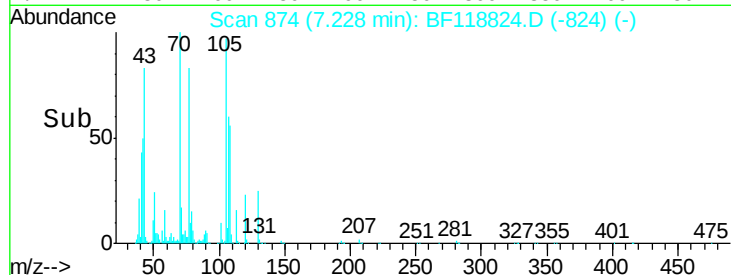
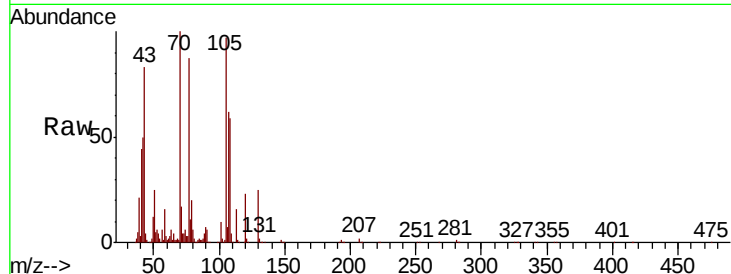
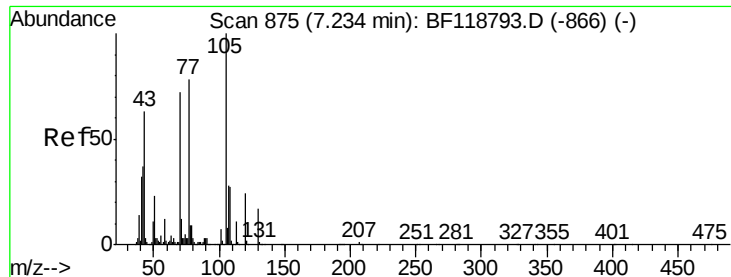
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

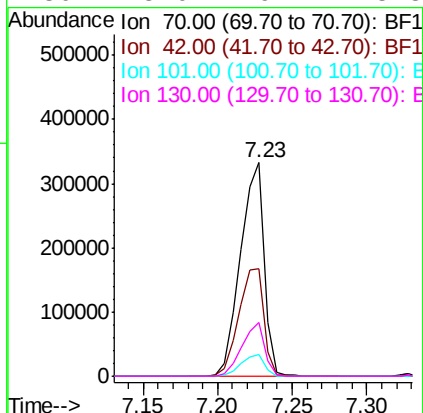
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 41.083 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tot Ion	Ratio	Lower	Upper
70	100		
42	50.4	41.5	62.3
101	10.5	8.3	12.5
130	25.0	19.2	28.8



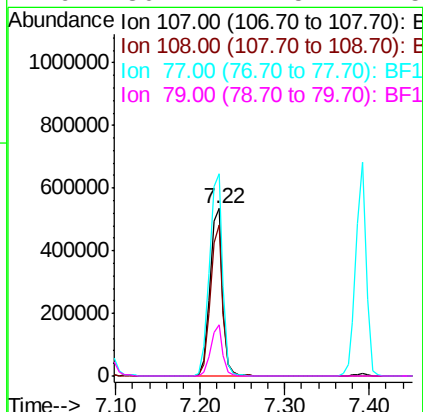
Instrument :
BNA_F
ClientSampleId :
TP-1MS

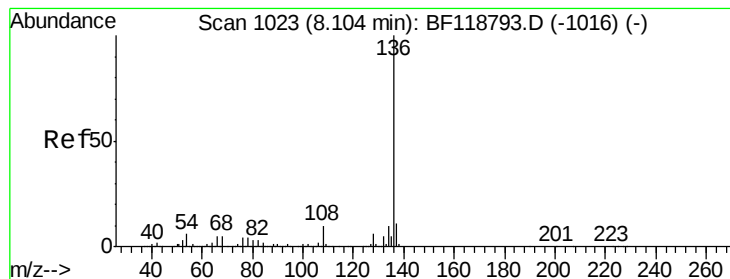
Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM

#20
3+4-Methylphenols
Concen: 41.156 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.5	65.9	105.9
77	121.1	80.9	120.9#
79	30.7	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

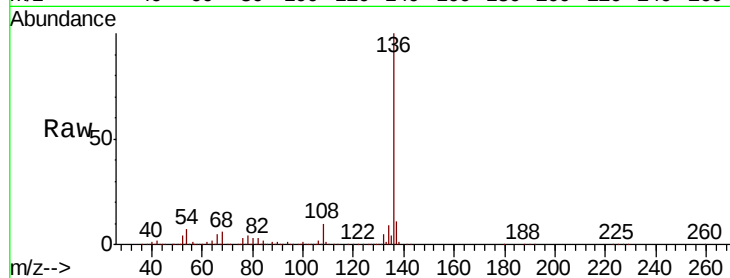
ClientSampleId :

TP-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		868023		
137	11.1	8.7	13.1		
54	6.9	5.0	7.6		
68	5.9	4.2	6.4		

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



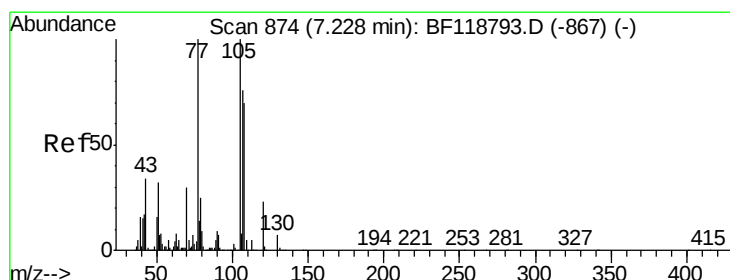
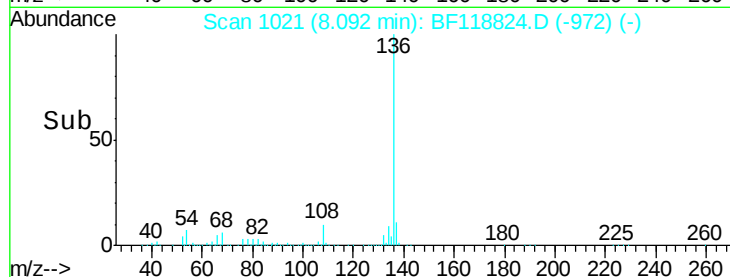
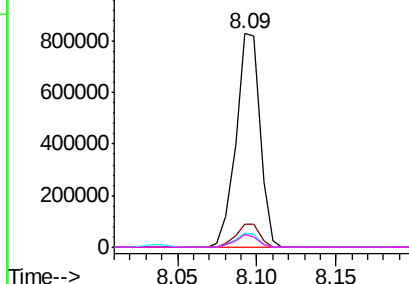
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 38.268 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		721688		
71	8.0	4.2	6.4#		
51	32.1	25.5	38.3		
120	23.7	18.6	28.0		

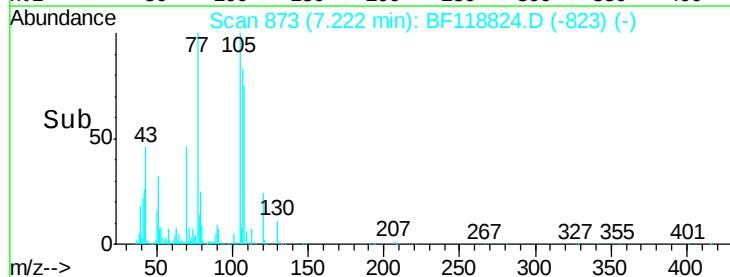
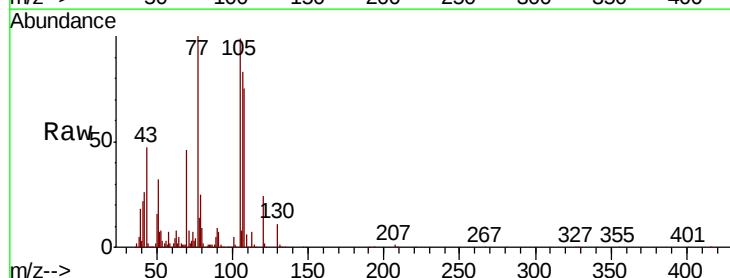
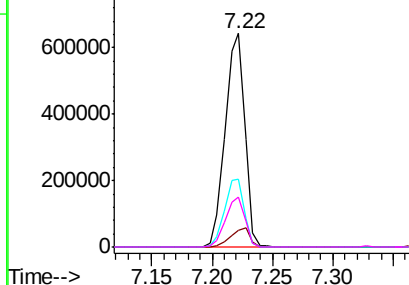
Abundance

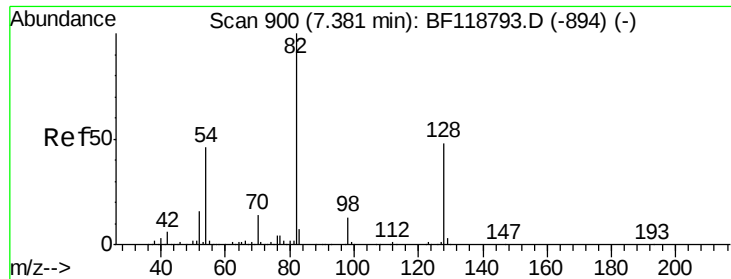
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





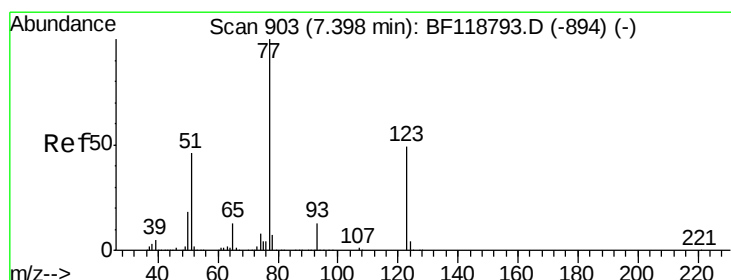
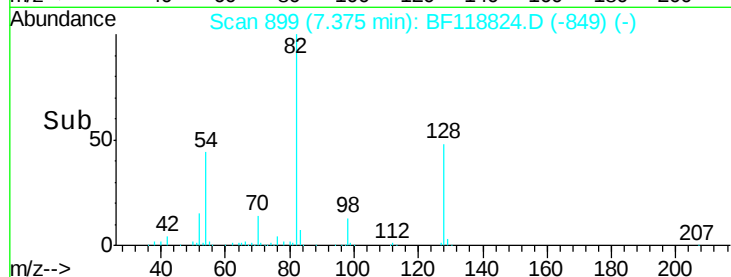
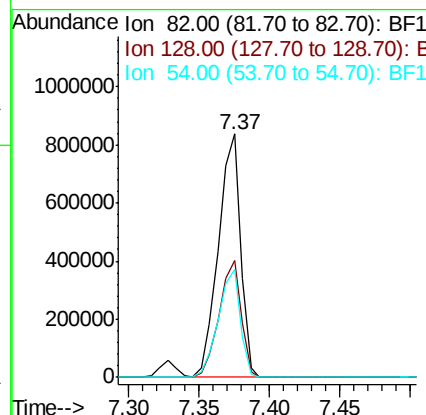
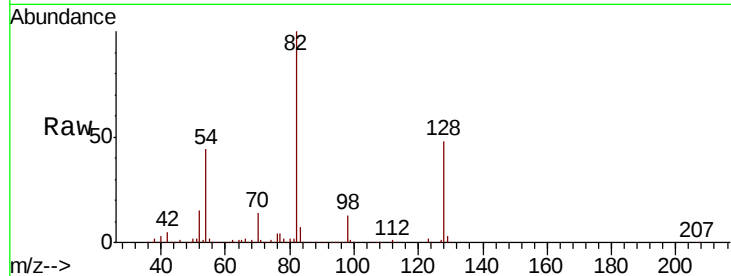
#23
 Nitrobenzene-d5
 Concen: 62.834 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	38.5	57.7
54	44.4	36.7	55.1

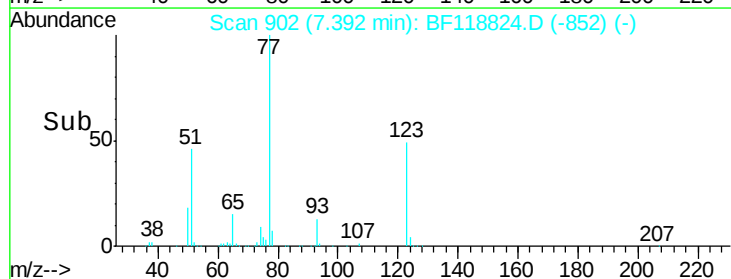
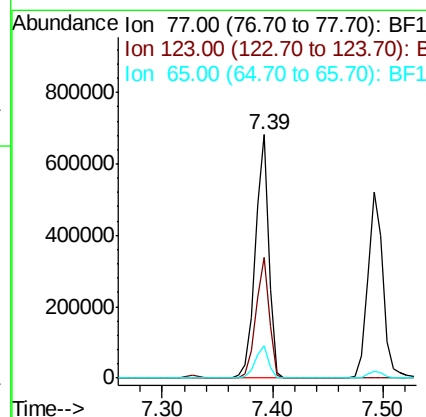
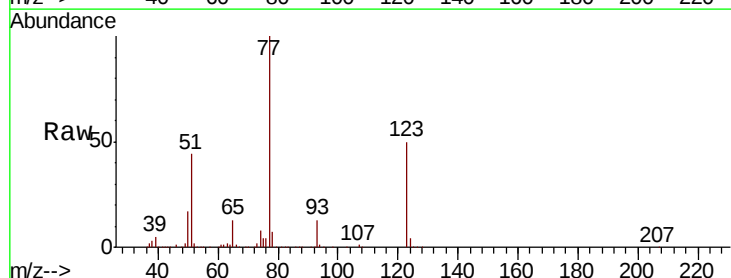
Manual Integrations
 APPROVED

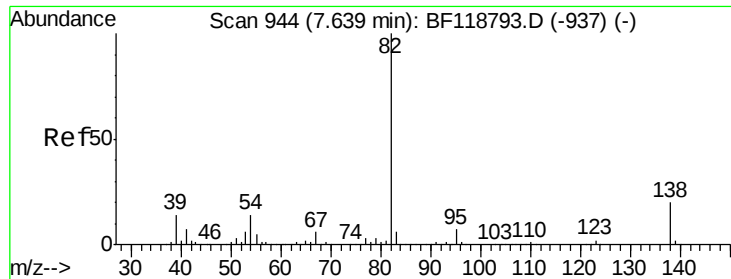
mohammad
 2/6/2020 2:18:52 PM



#24
 Nitrobenzene
 Concen: 40.049 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.8	39.0	58.4
65	13.4	10.6	15.8





#25

Isophorone

Concen: 39.475 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion: 82 Resp: 1033176

Ion Ratio Lower Upper

82 100

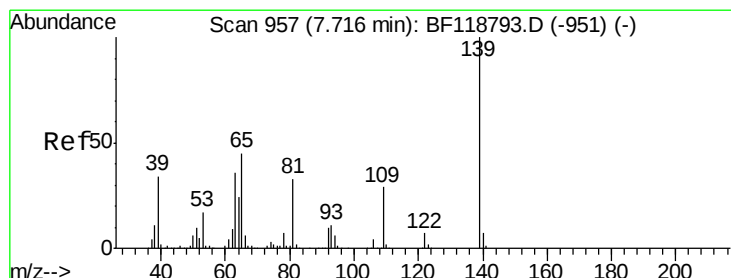
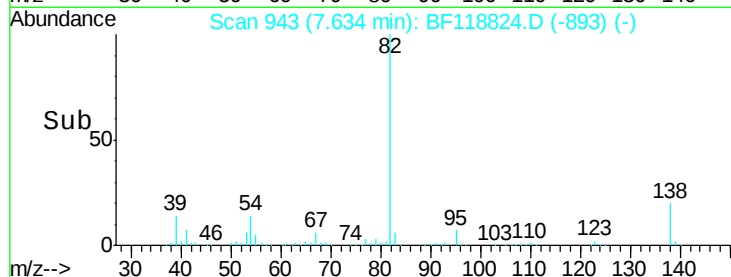
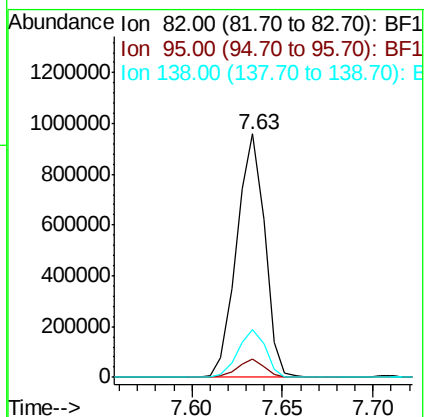
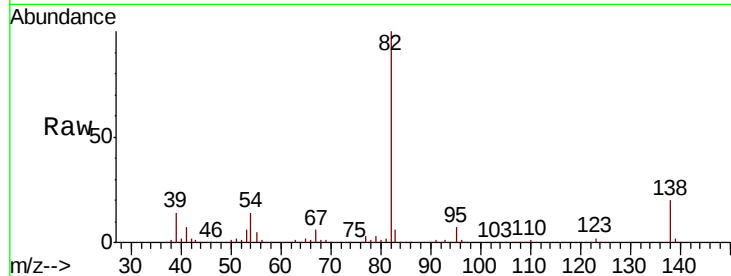
95 7.3 6.0 9.0

138 19.5 15.7 23.5

Manual Integrations
APPROVED

mohammad

2/6/2020 2:18:52 PM



#26

2-Nitrophenol

Concen: 40.885 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

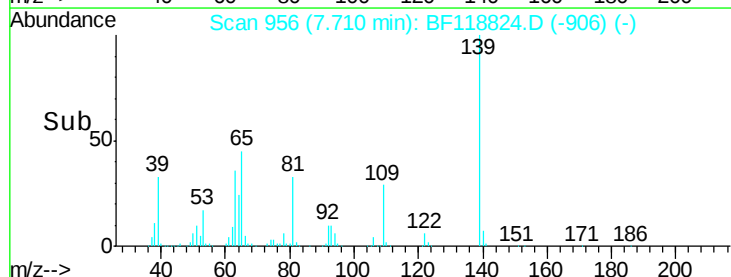
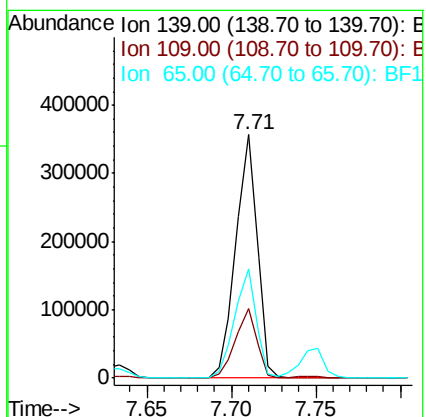
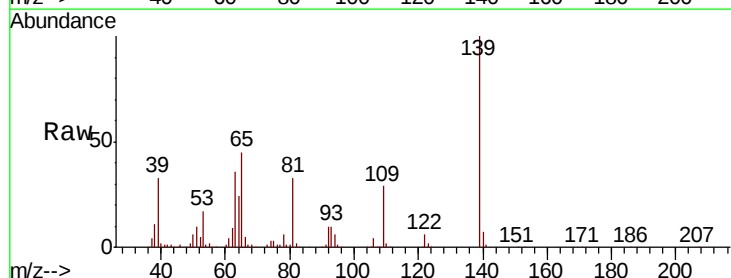
Tgt Ion: 139 Resp: 316951

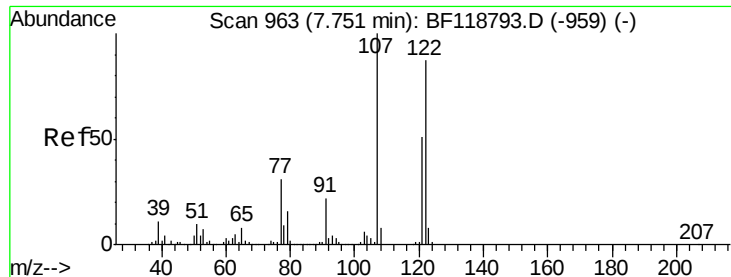
Ion Ratio Lower Upper

139 100

109 28.6 23.4 35.0

65 45.0 36.2 54.2





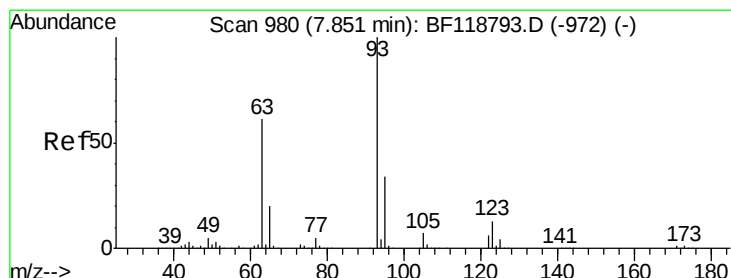
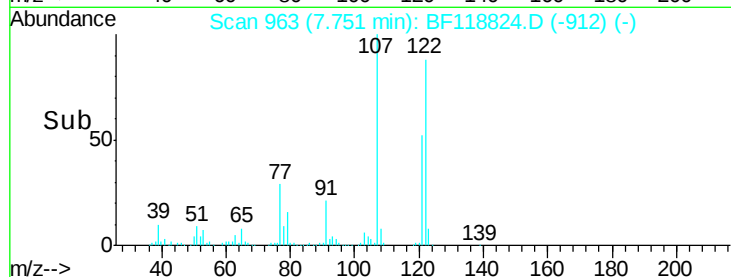
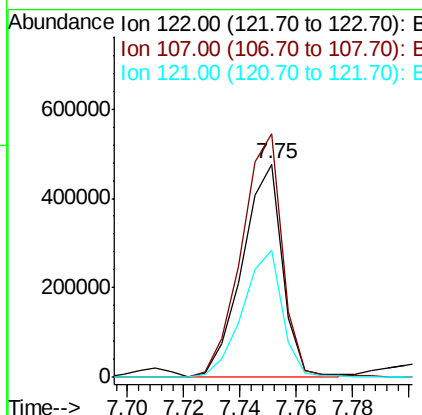
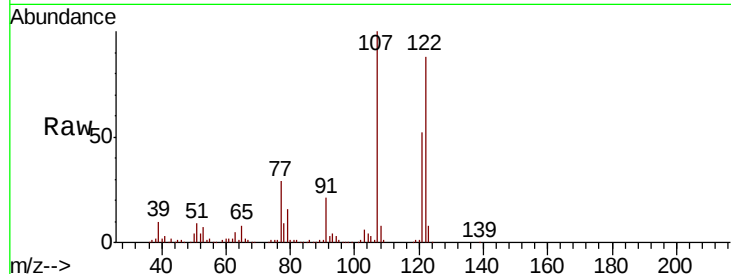
#27
2,4-Dimethylphenol
Concen: 44.723 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.00 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	470959		
107	114.2		92.2	138.2
121	59.9		46.8	70.2

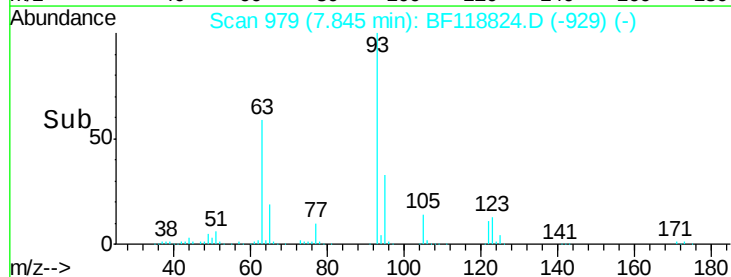
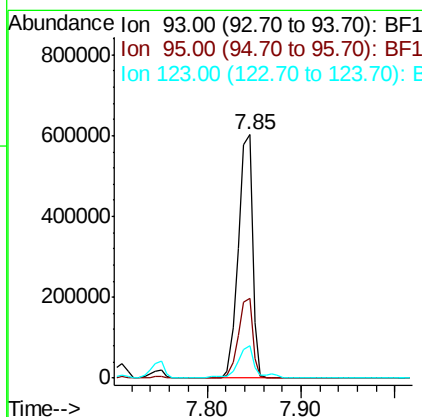
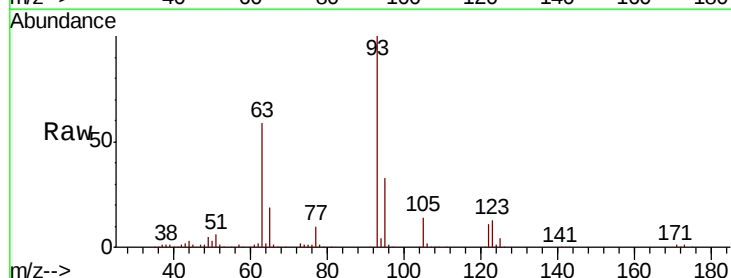
Manual Integrations
APPROVED

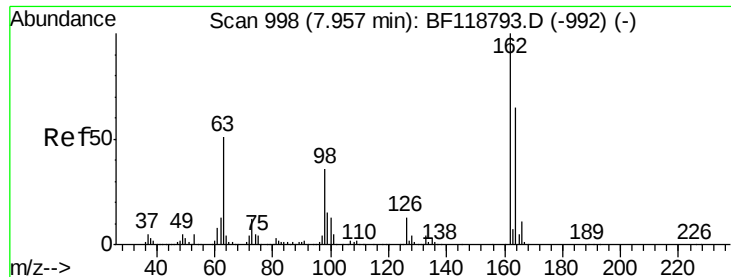
mohammad
2/6/2020 2:18:52 PM



#28
bis(2-Chloroethoxy)methane
Concen: 37.529 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	636927		
95	32.9		27.0	40.4
123	13.3		10.6	15.8





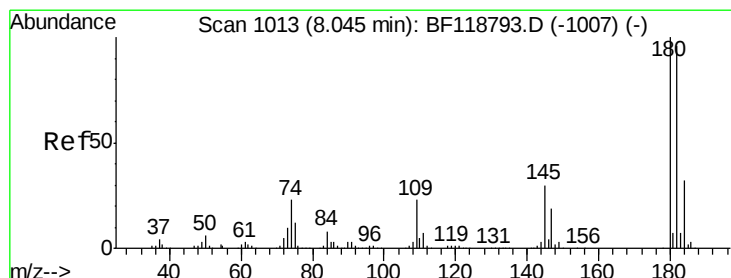
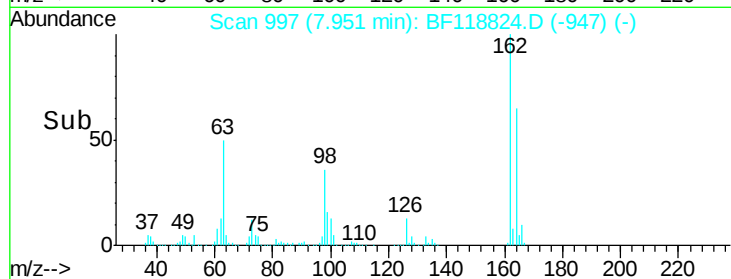
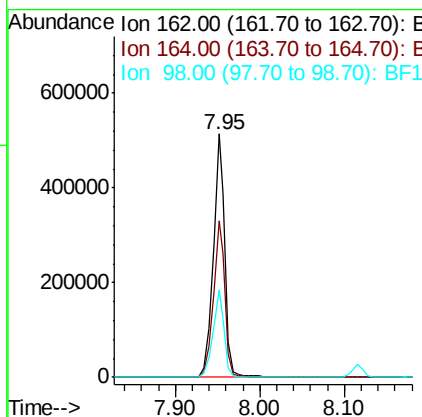
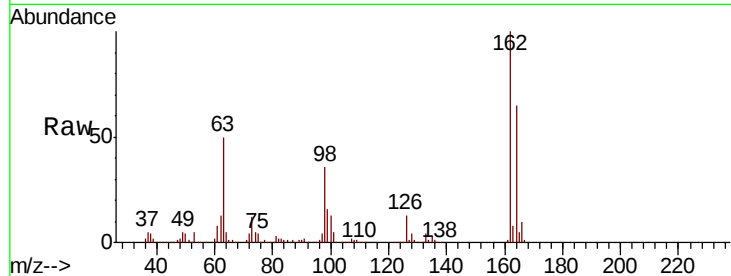
#29
2,4-Dichlorophenol
Concen: 39.785 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	501740		
164	64.5	44.8	84.8	
98	36.1	16.4	56.4	

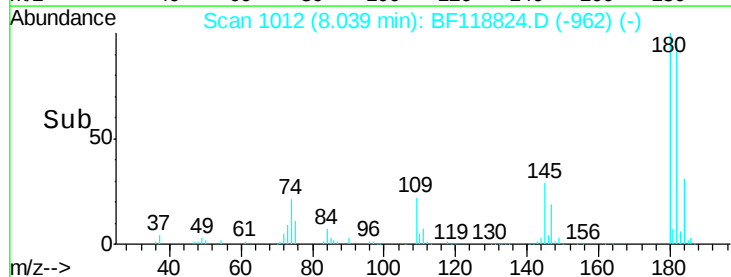
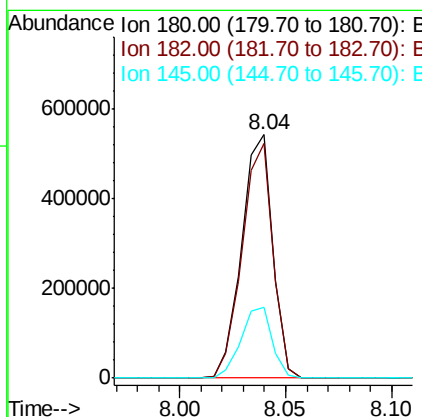
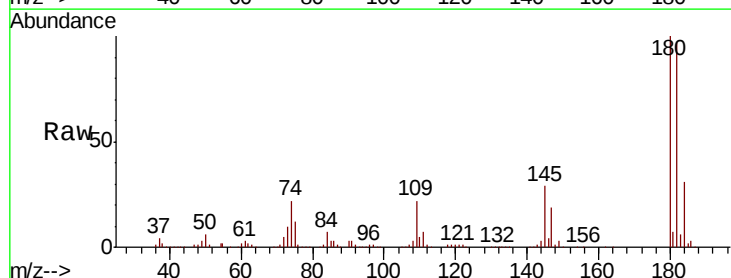
Manual Integrations
APPROVED

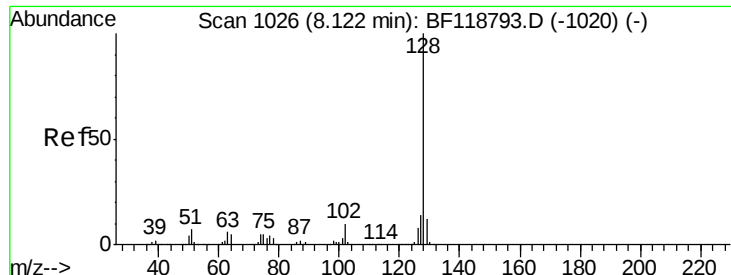
mohammad
2/6/2020 2:18:52 PM



#30
1,2,4-Trichlorobenzene
Concen: 37.518 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	553044		
182	96.5	76.6	115.0	
145	29.3	24.0	36.0	





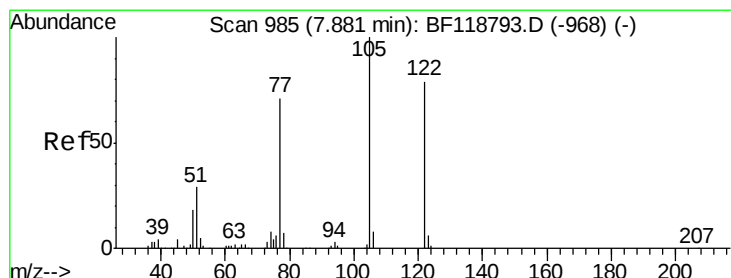
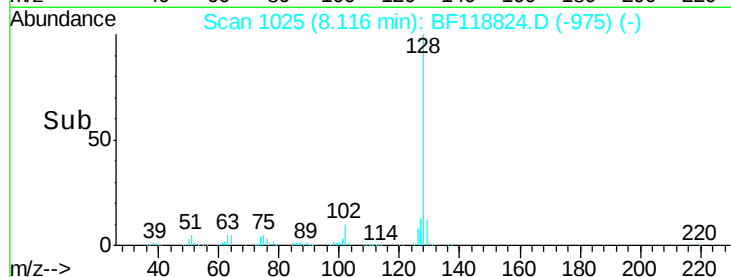
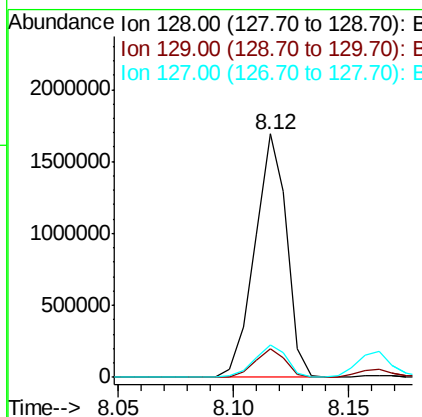
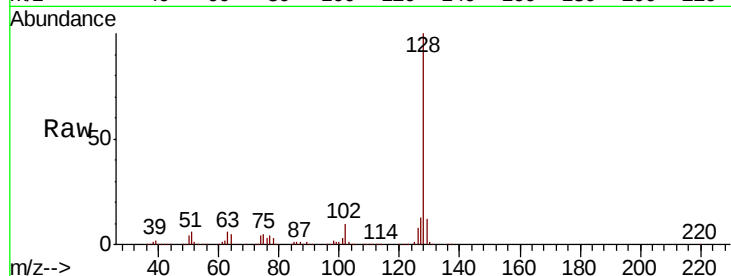
#31
Naphthalene
Concen: 40.877 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion:128 Resp: 1622803
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.2
127 13.4 11.3 16.9

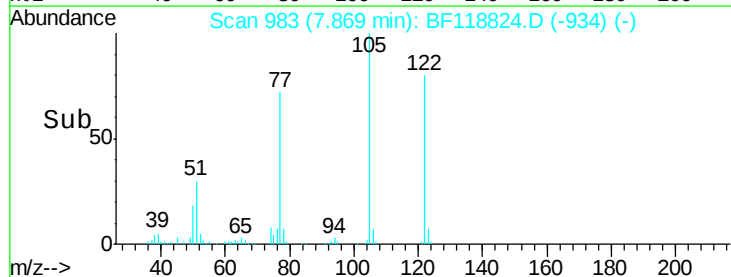
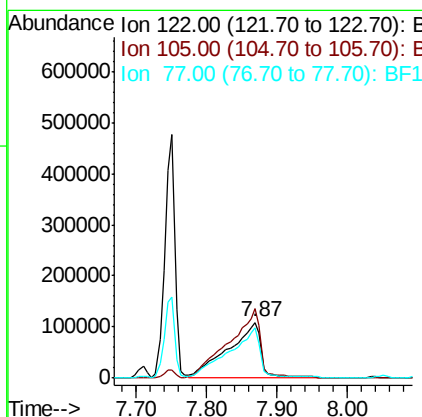
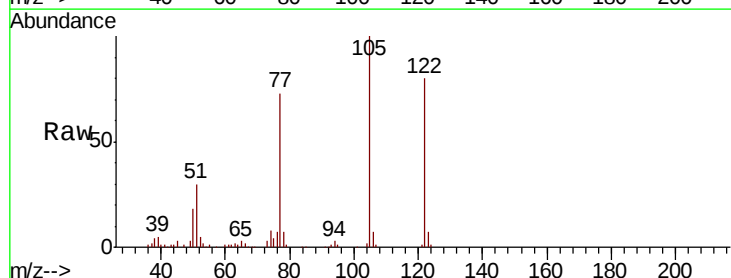
Manual Integrations
APPROVED

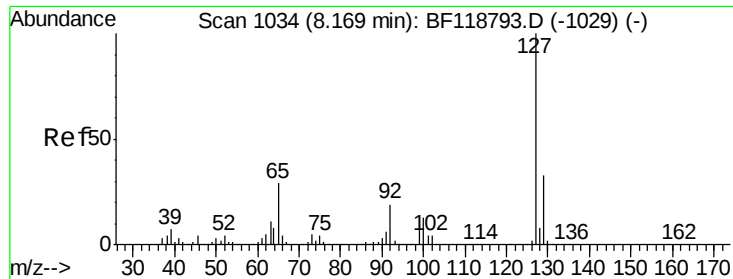
mohammad
2/6/2020 2:18:52 PM



#32
Benzoic acid
Concen: 39.909 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion:122 Resp: 347964
Ion Ratio Lower Upper
122 100
105 124.3 104.4 144.4
77 90.8 69.3 109.3





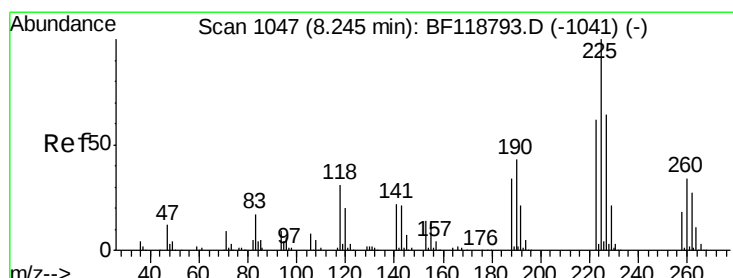
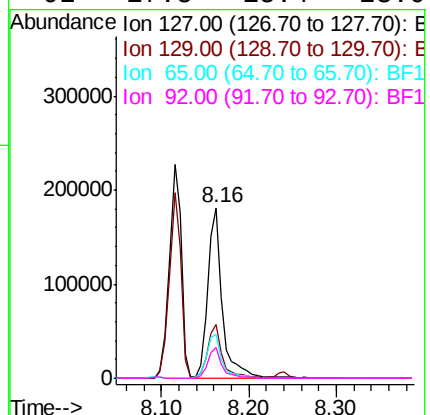
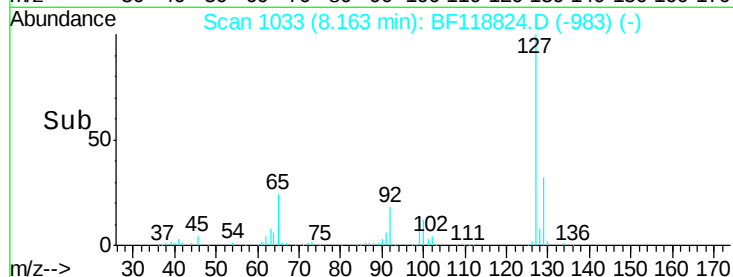
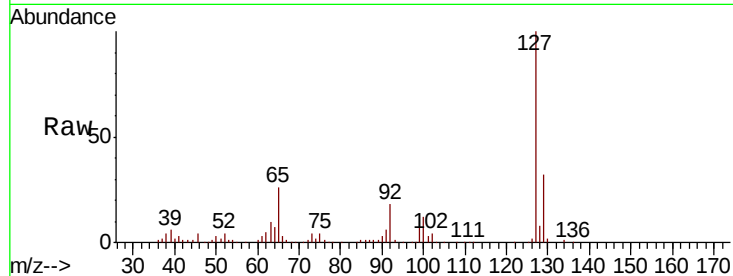
#33
 4-Chloroaniline
 Concen: 11.878 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.6	26.7	40.1		
65	25.8	22.9	34.3		
92	17.8	15.4	23.0		

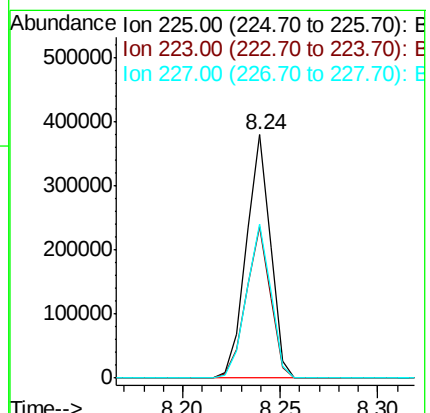
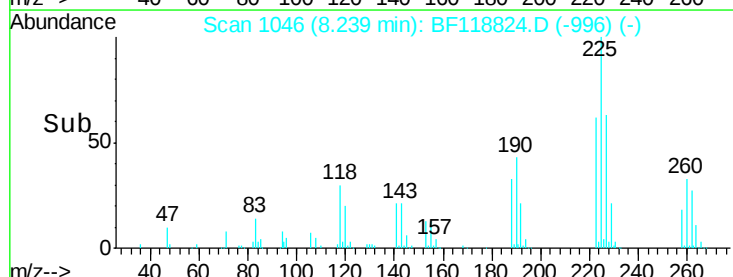
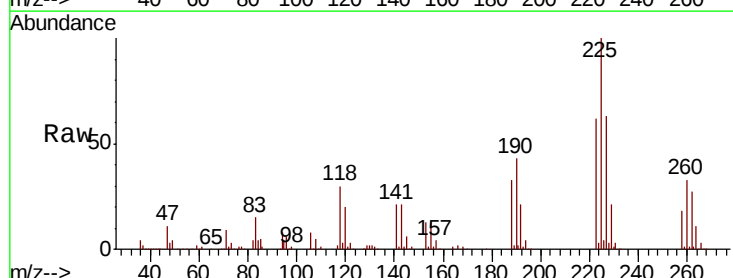
Manual Integrations
 APPROVED

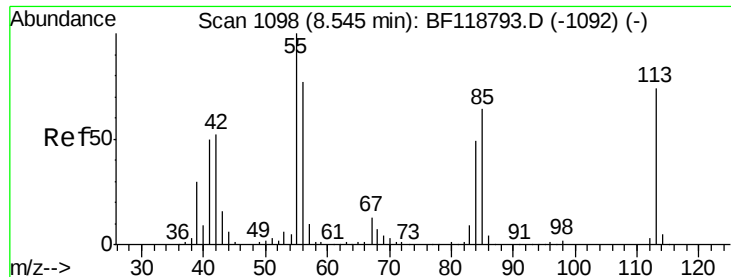
mohammad
 2/6/2020 2:18:52 PM



#34
 Hexachlorobutadiene
 Concen: 36.224 ng
 RT: 8.24 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.4	49.8	74.8		
227	63.5	51.0	76.4		





#35

Caprolactam

Concen: 42.794 ng/mL

RT: 8.53 min Scan# 1095

Delta R.T. -0.02 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

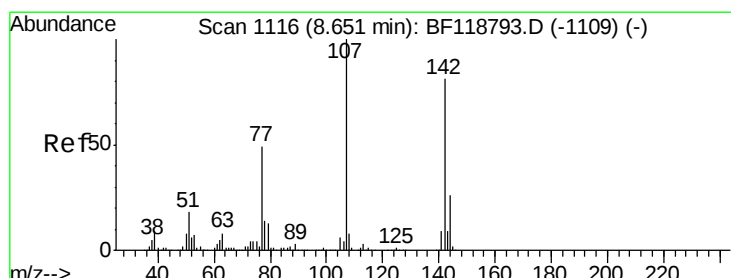
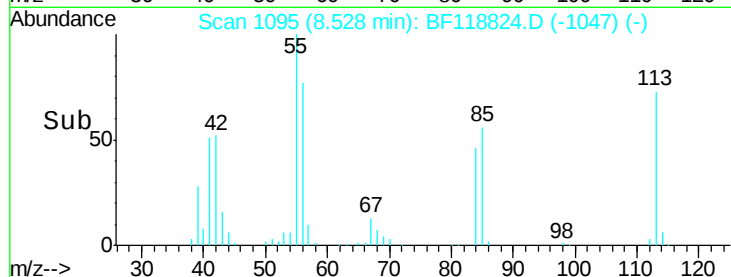
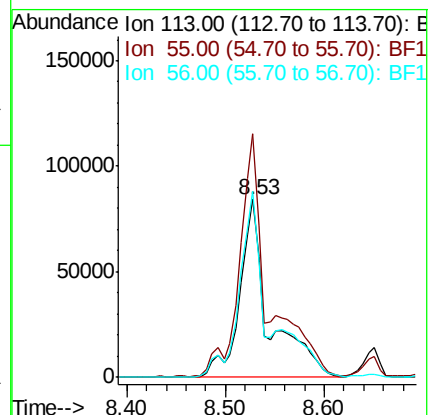
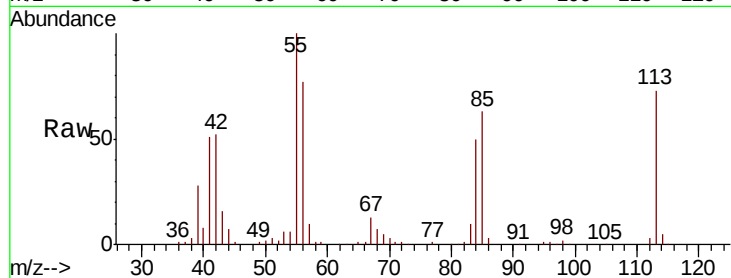
ClientSampled :

TP-1MS

Tot Ion:	113	Resp:	174954
Ion Ratio	Lower	Upper	
113	100		
55	136.6	115.5	155.5
56	104.6	83.7	123.7

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



#36

4-Chloro-3-methylphenol

Concen: 41.439 ng/mL

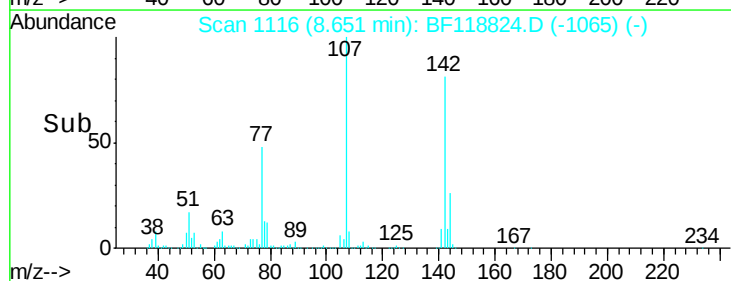
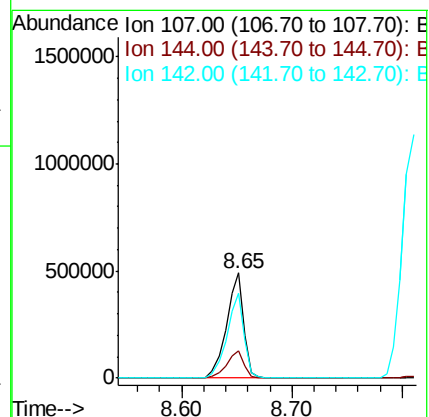
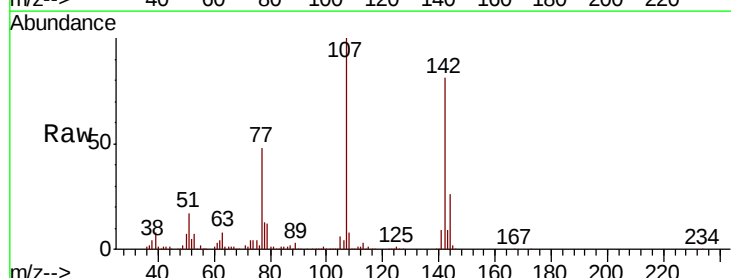
RT: 8.65 min Scan# 1116

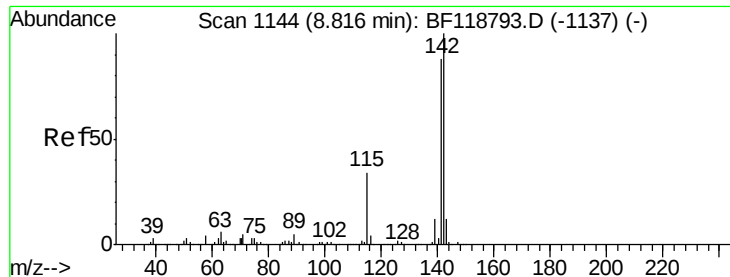
Delta R.T. -0.00 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Tgt Ion:	107	Resp:	525924
Ion Ratio	Lower	Upper	
107	100		
144	26.3	21.0	31.6
142	81.2	64.8	97.2





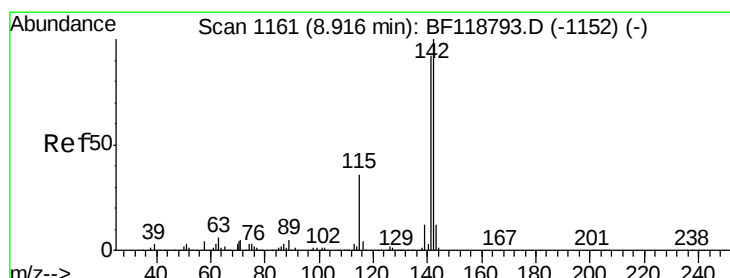
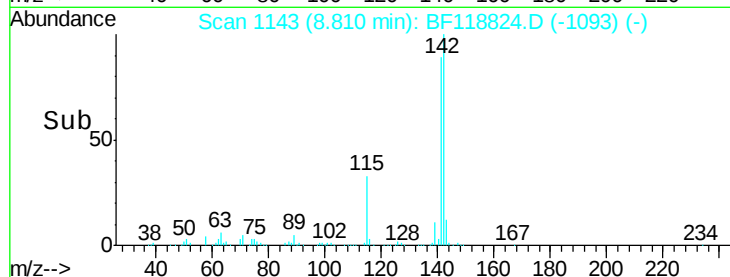
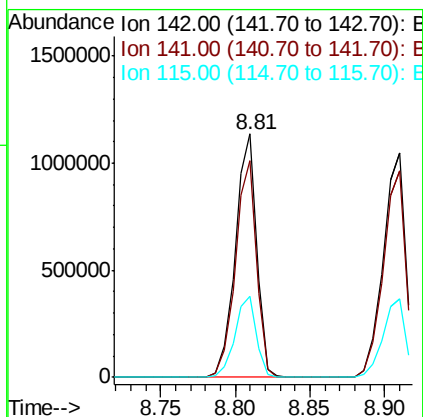
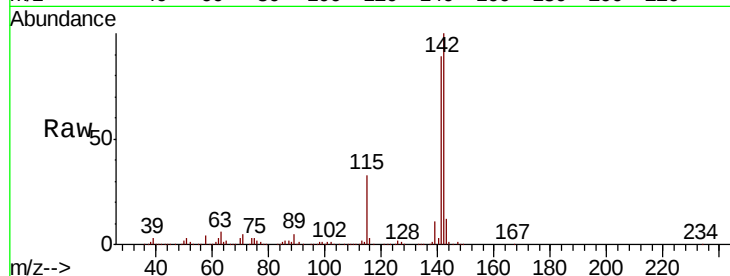
#37
2-Methylnaphthalene
Concen: 41.247 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.1	105.1
115	33.4	27.3	40.9

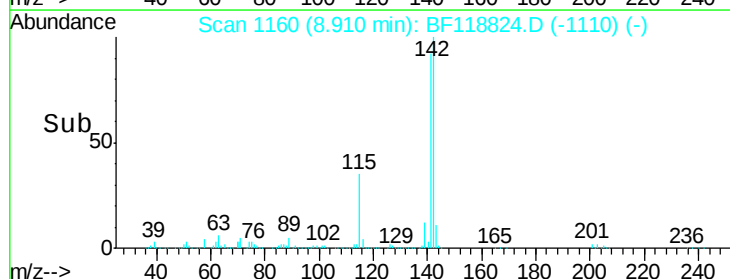
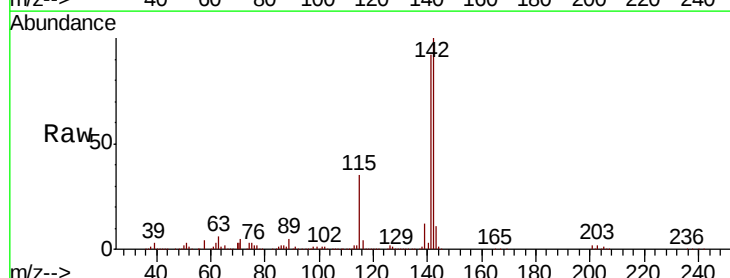
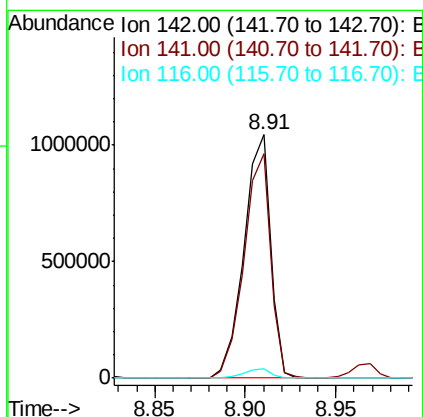
Manual Integrations
APPROVED

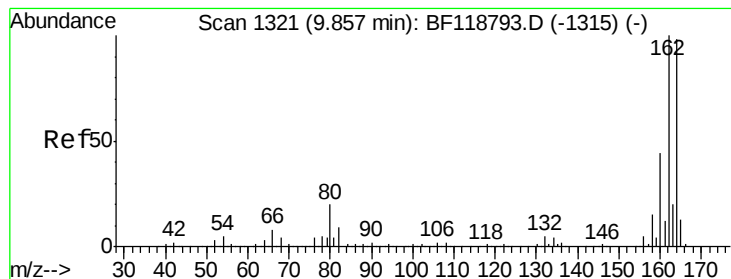
mohammad
2/6/2020 2:18:52 PM



#38
1-Methylnaphthalene
Concen: 41.162 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.8	110.6
116	3.7	3.0	4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

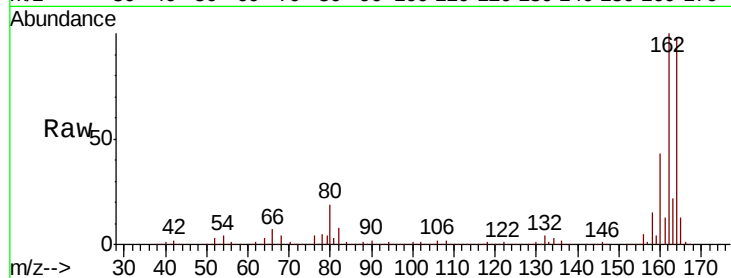
ClientSampleId :

TP-1MS

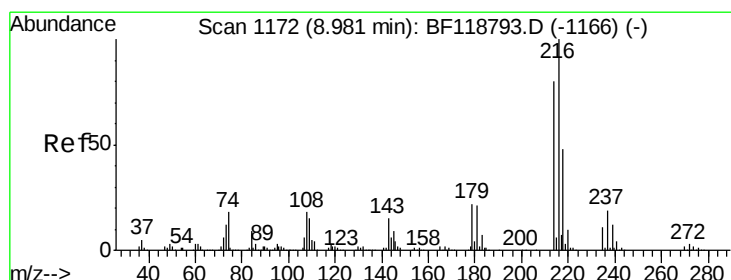
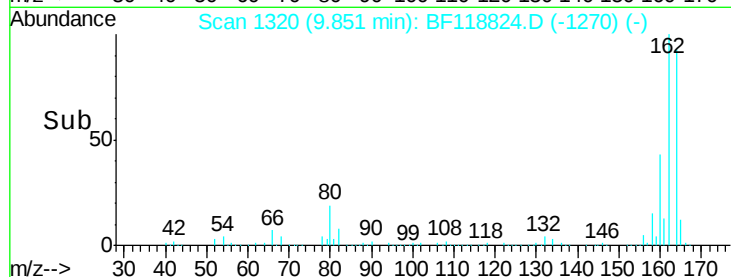
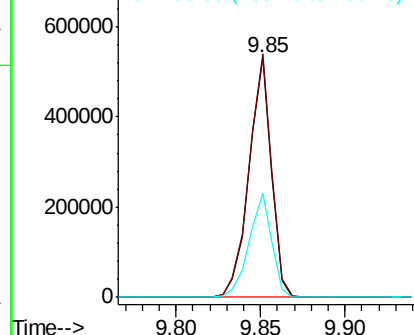
Tot Ion:	164	Resp:	490282
Ion Ratio	Lower	Upper	
164	100		
162	101.7	81.4	122.2
160	43.3	35.6	53.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.449 ng

RT: 8.97 min Scan# 1171

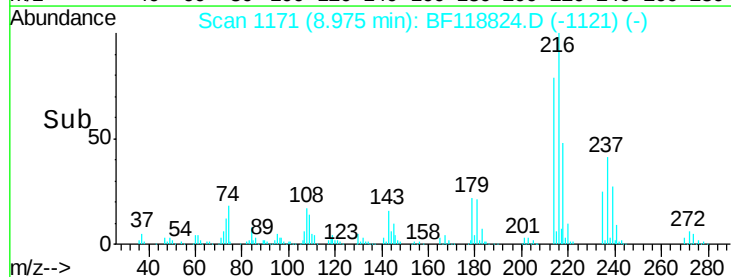
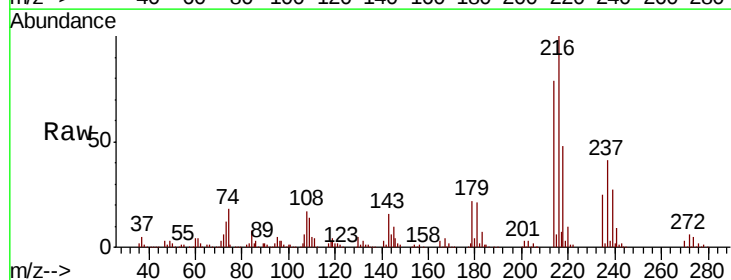
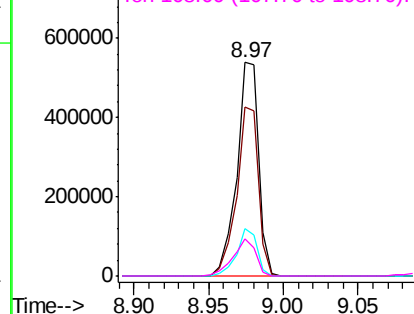
Delta R.T. -0.01 min

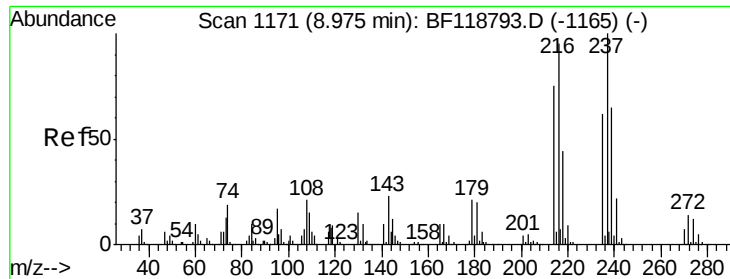
Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Tgt Ion:	216	Resp:	554130
Ion Ratio	Lower	Upper	
216	100		
214	79.0	63.0	94.4
179	20.9	17.0	25.6
108	18.1	13.5	20.3

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 91.026 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

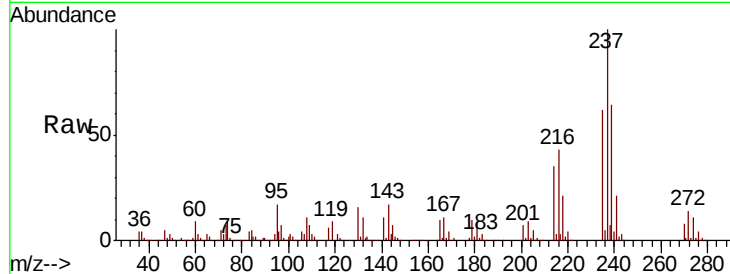
ClientSampleId :

TP-1MS

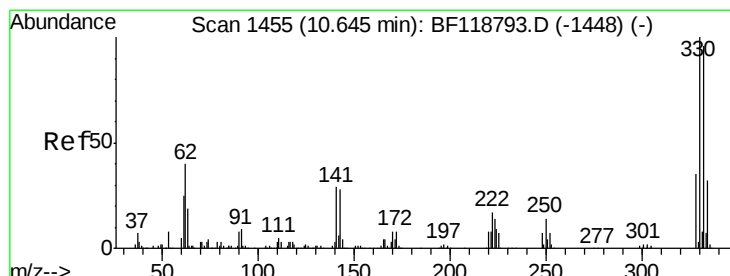
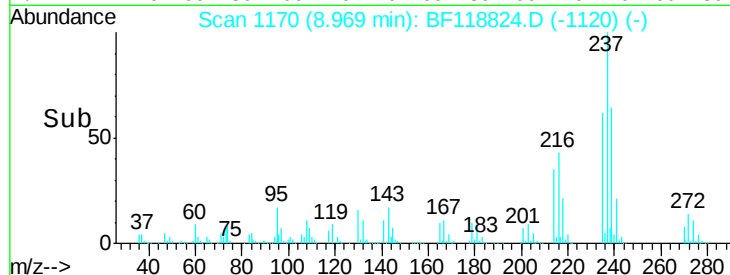
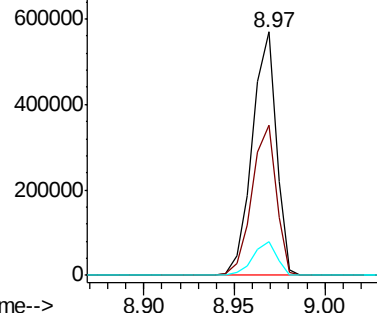
Tot Ion:	237	Resp:	528146
Ion Ratio	Lower	Upper	
237	100		
235	61.8	42.1	82.1
272	14.0	0.0	34.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



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



#42

2,4,6-Tribromophenol

Concen: 93.484 ng

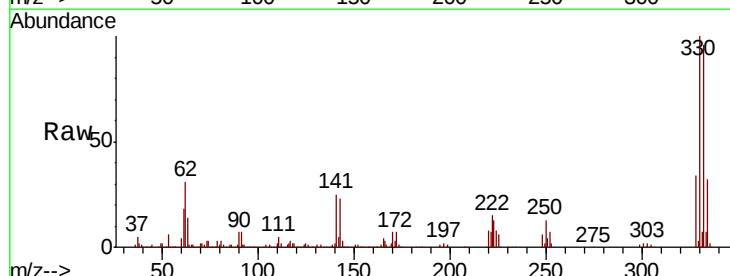
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

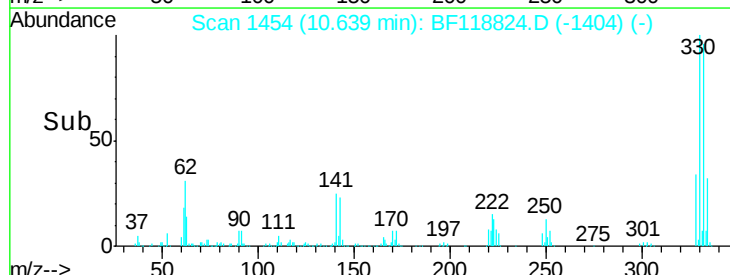
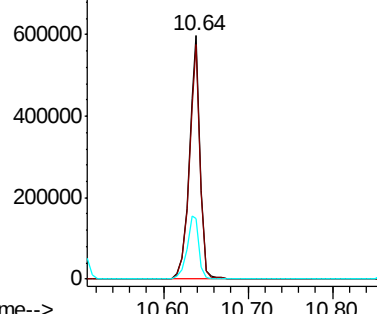
Lab File: BF118824.D

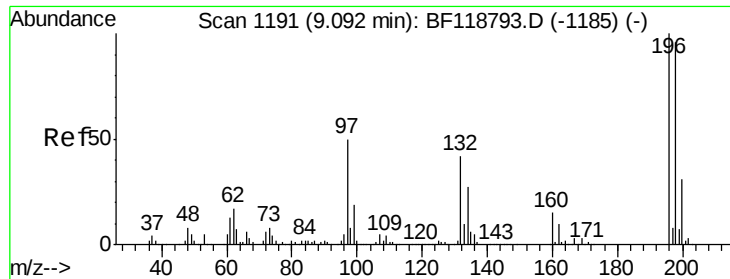
Acq: 5 Feb 2020 12:17

Tgt Ion:	330	Resp:	548410
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.3	115.9
141	28.8	22.4	33.6



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





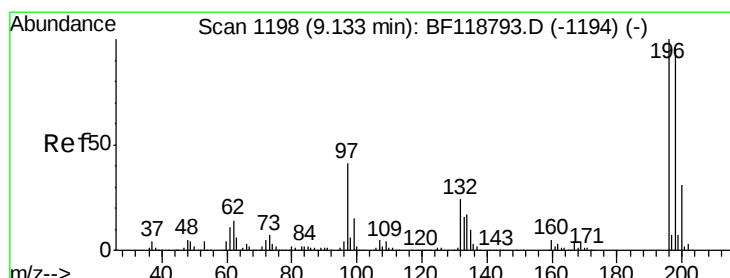
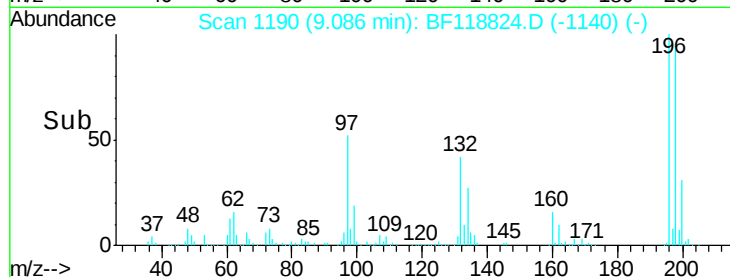
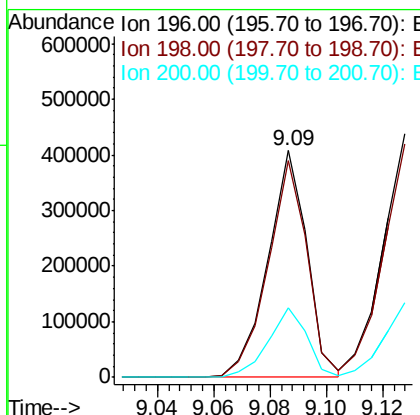
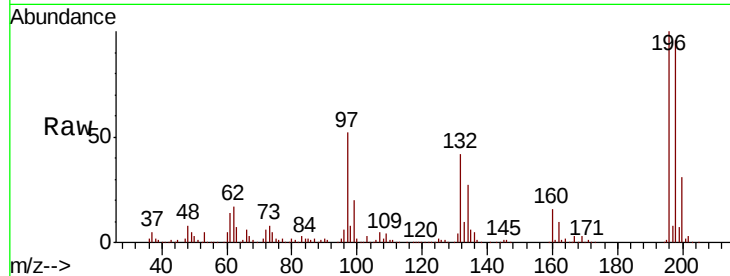
#43
 2,4,6-Trichlorophenol
 Concen: 39.542 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampled :
 TP-1MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	391260		
198	95.7	76.7	115.1	
200	30.8	24.9	37.3	

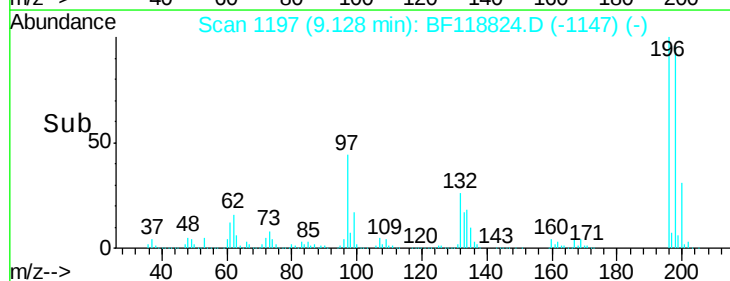
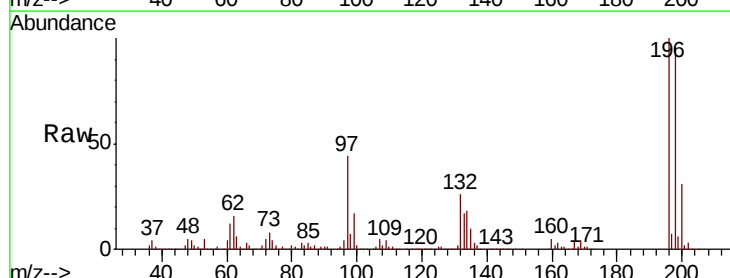
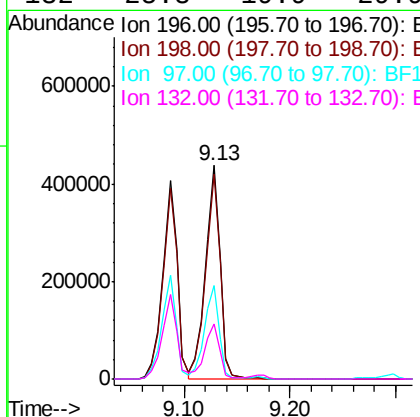
Manual Integrations
 APPROVED

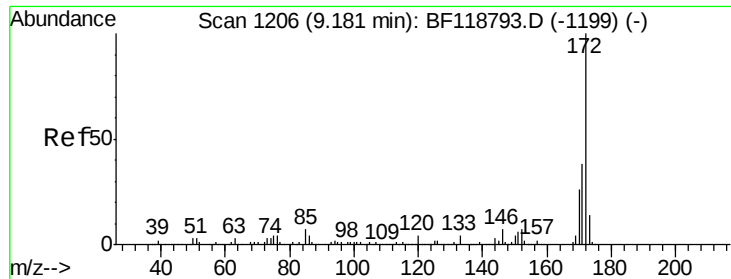
mohammad
 2/6/2020 2:18:52 PM



#44
 2,4,5-Trichlorophenol
 Concen: 41.645 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	421047		
198	95.7	77.0	115.4	
97	43.9	32.9	49.3	
132	25.8	19.9	29.9	





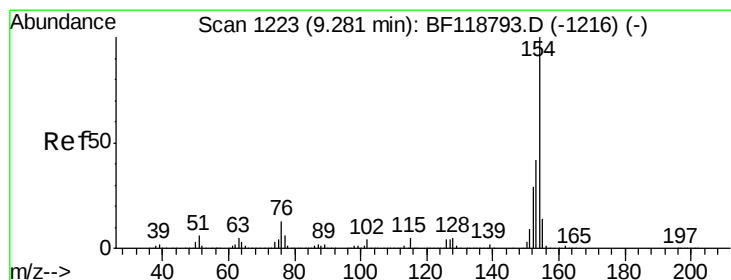
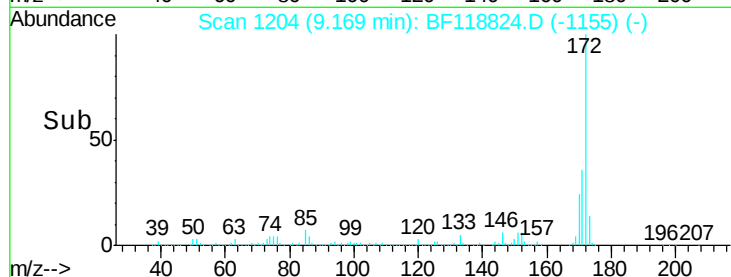
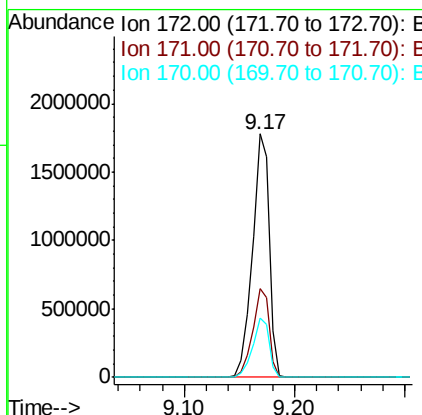
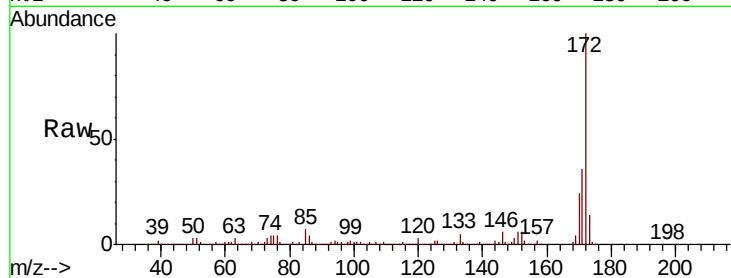
#45
2-Fluorobiphenyl
Concen: 69.384 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.8	46.2
170	24.1	20.5	30.7

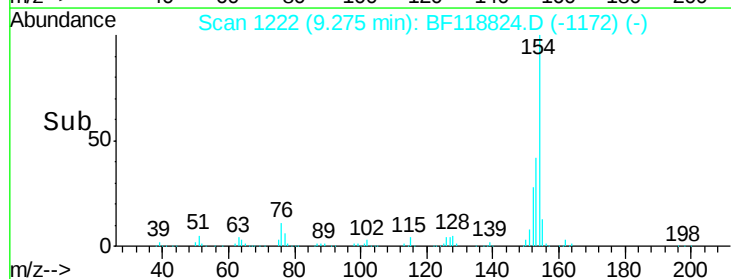
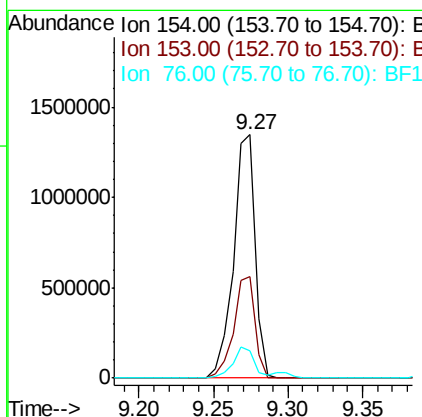
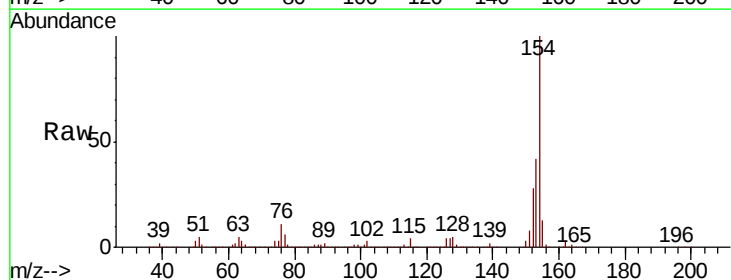
Manual Integrations
APPROVED

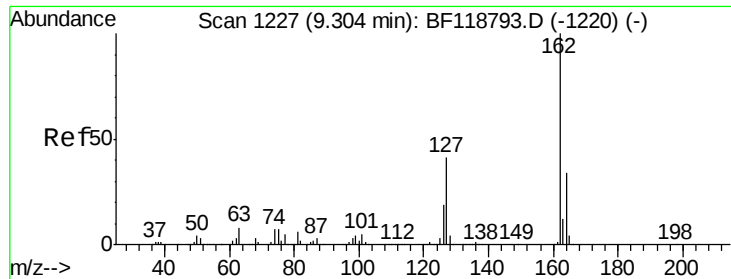
mohammad
2/6/2020 2:18:52 PM



#46
1,1'-Biphenyl
Concen: 40.388 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	22.4	62.4
76	11.3	0.0	32.7





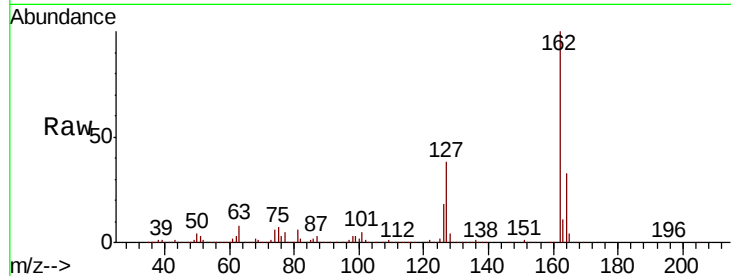
#47
2-Chloronaphthalene
Concen: 39.008 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampled :
TP-1MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.5	33.3	49.9
164	33.3	27.1	40.7

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM

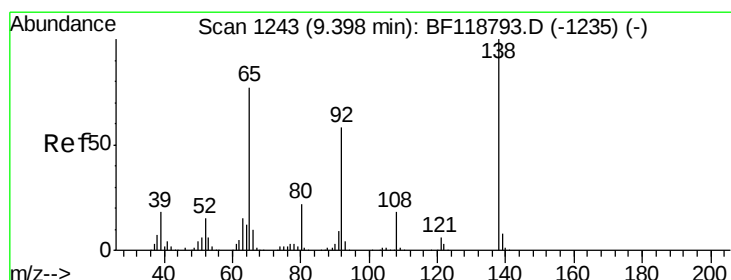
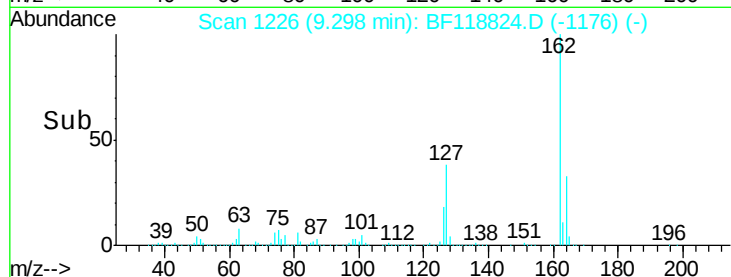
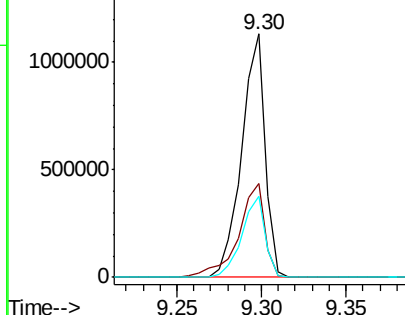


Abundance

Ion 162.00 (161.70 to 162.70): E

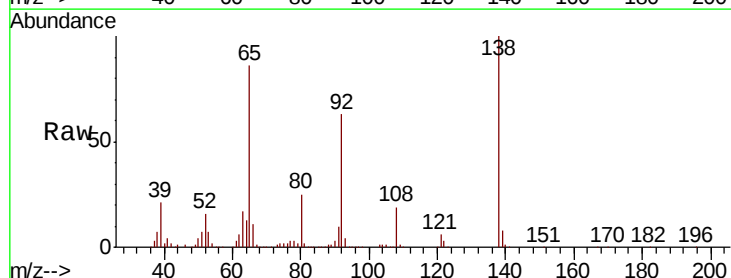
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 38.713 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.4	60.6	91.0
138	115.7	104.6	156.8

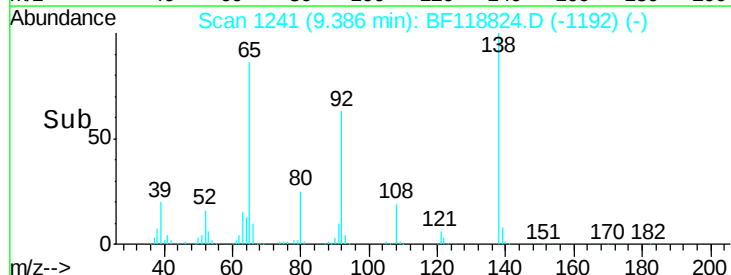
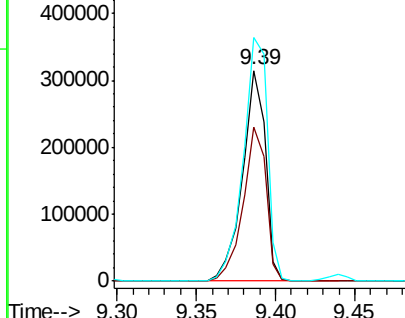


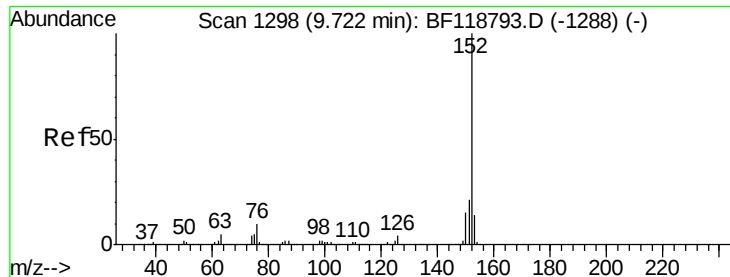
Abundance

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: 42.696 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion:152 Resp: 1738142

Ion Ratio Lower Upper

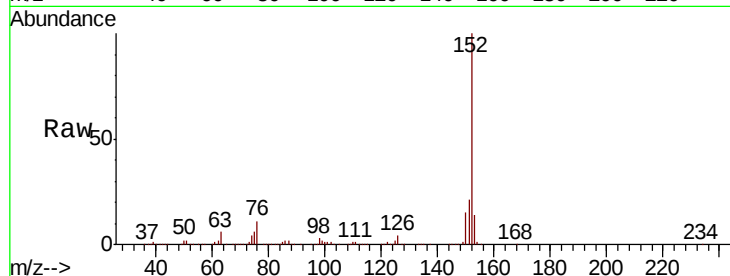
152 100

151 20.9 17.1 25.7

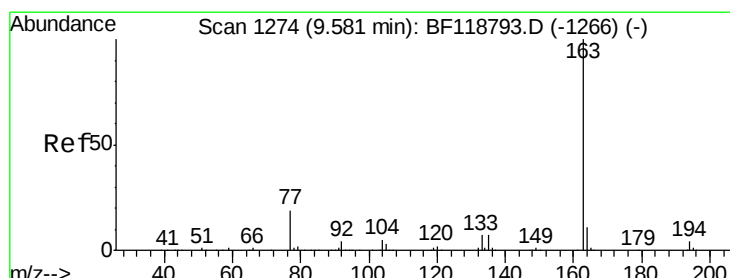
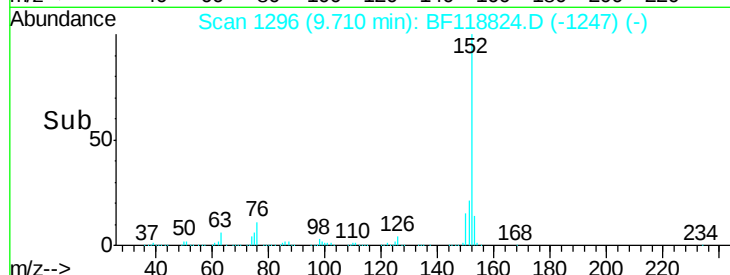
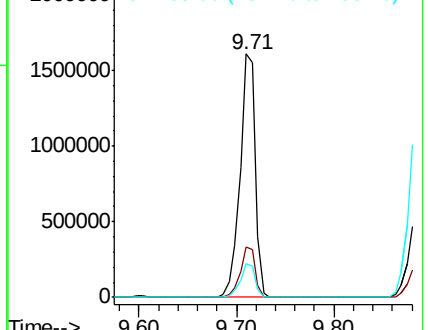
153 13.7 11.0 16.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



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



#50

Dimethylphthalate

Concen: 41.746 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

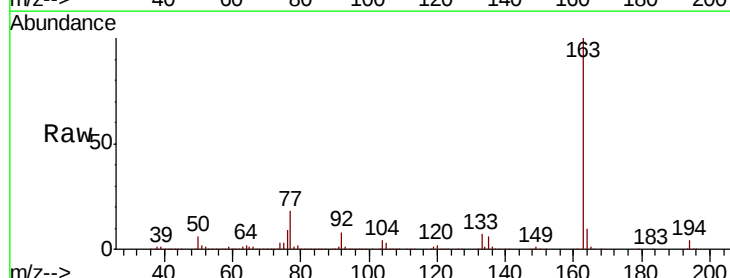
Tgt Ion:163 Resp: 1393635

Ion Ratio Lower Upper

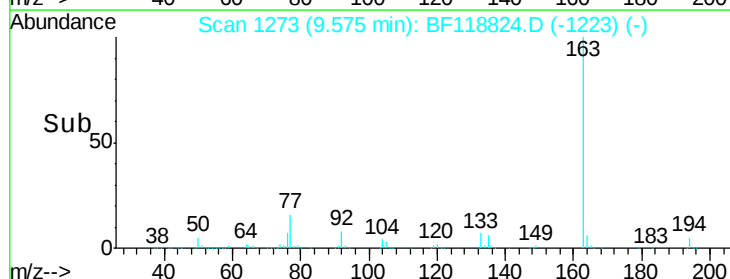
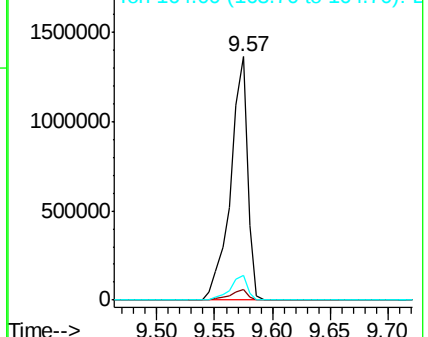
163 100

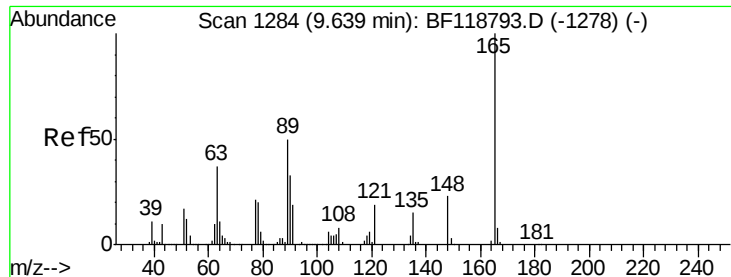
194 4.5 3.6 5.4

164 10.2 8.7 13.1



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





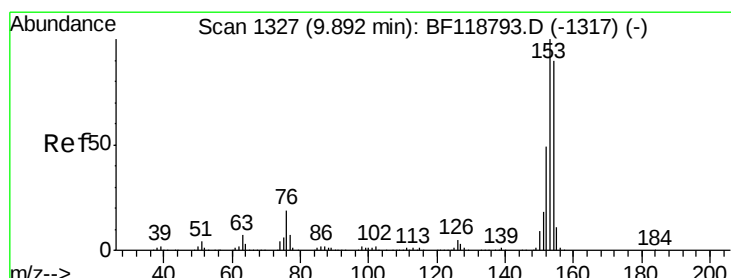
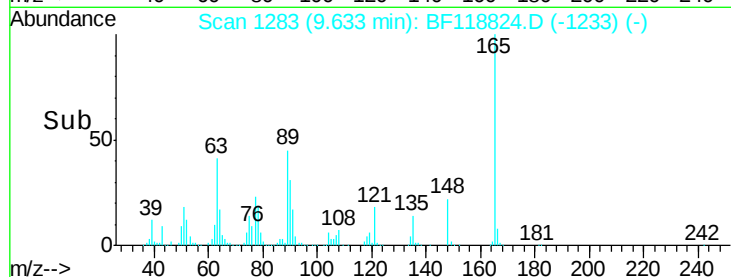
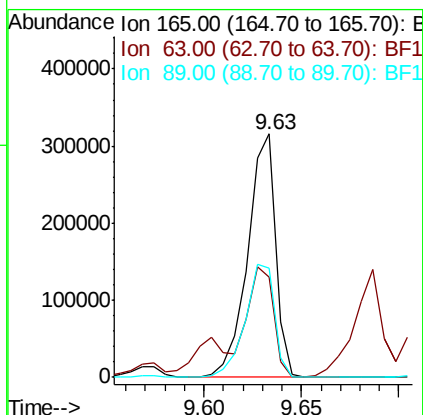
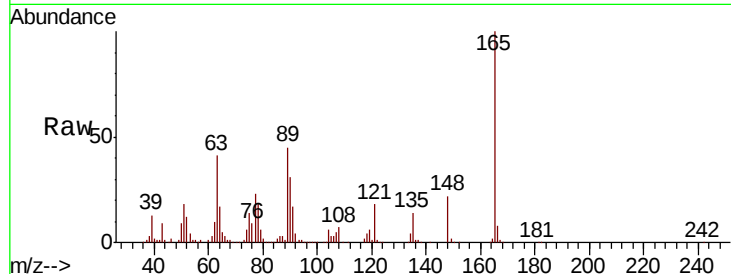
#51
2,6-Dinitrotoluene
Concen: 40.984 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	313060		
63	41.0		37.4	56.0
89	45.0		39.7	59.5

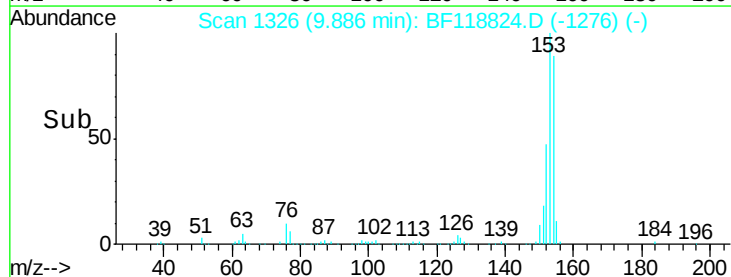
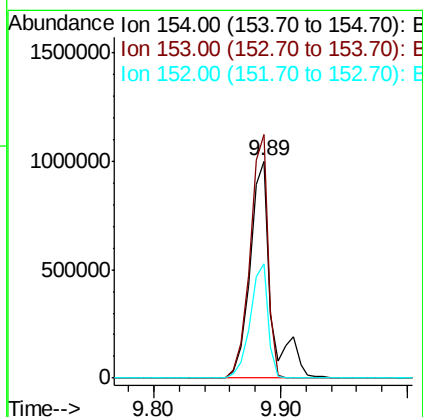
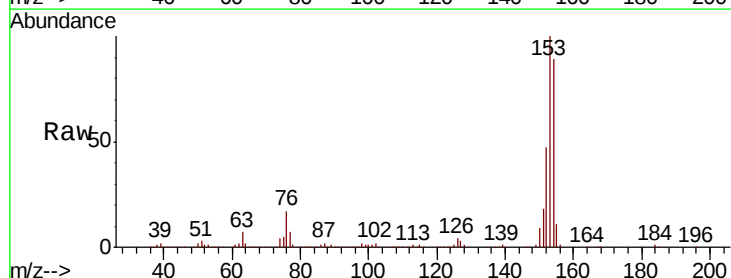
Manual Integrations
APPROVED

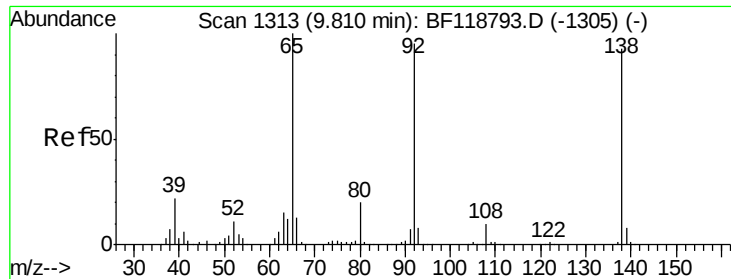
mohammad
2/6/2020 2:18:52 PM



#52
Acenaphthene
Concen: 43.597 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1169515		
153	112.2		89.4	134.0
152	52.8		43.6	65.4





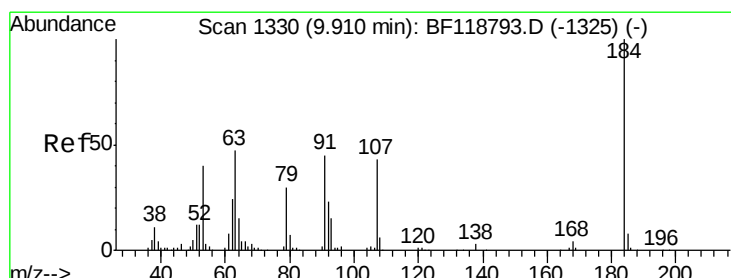
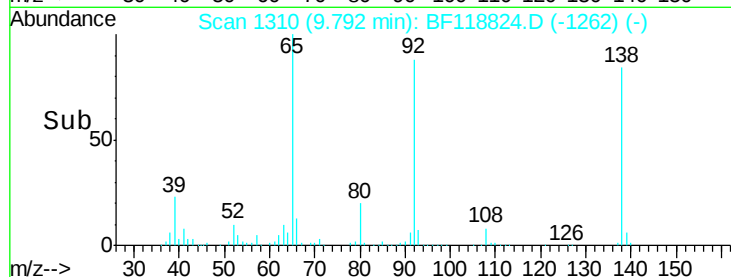
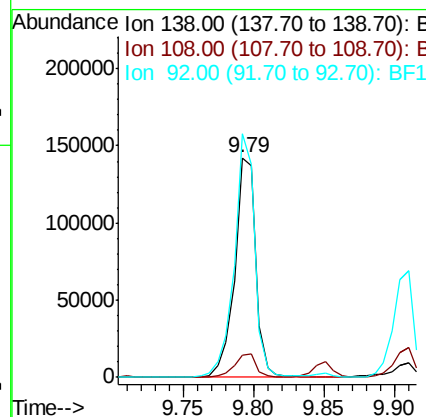
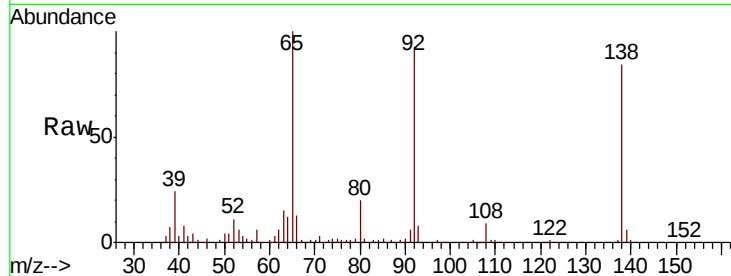
#53
3-Nitroaniline
Concen: 17.526 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.5	12.7
92	110.9	82.2	123.4

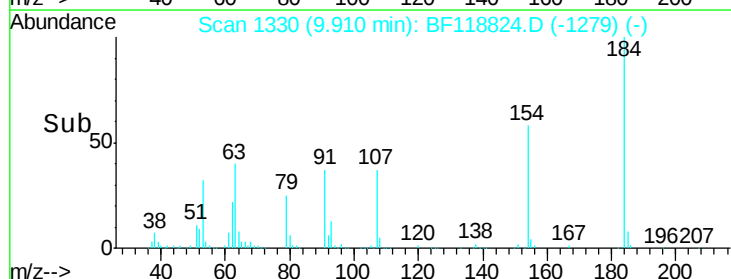
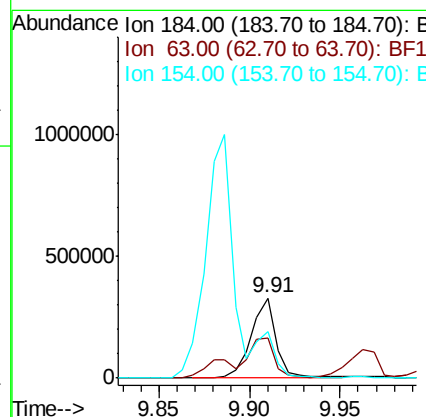
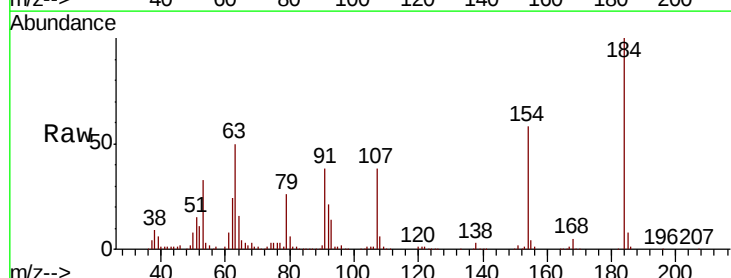
Manual Integrations
APPROVED

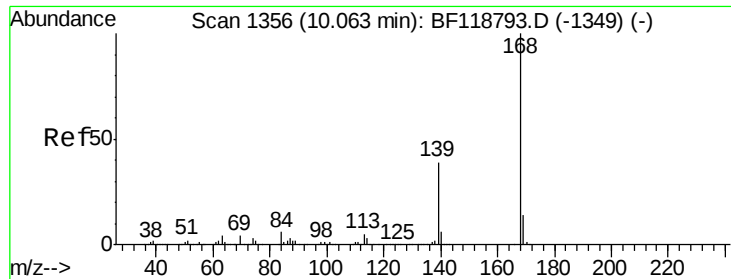
mohammad
2/6/2020 2:18:52 PM



#54
2,4-Dinitrophenol
Concen: 86.606 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	49.5	47.5	71.3
154	58.2	48.6	72.8





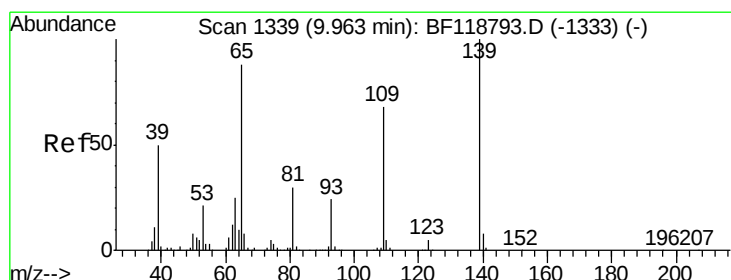
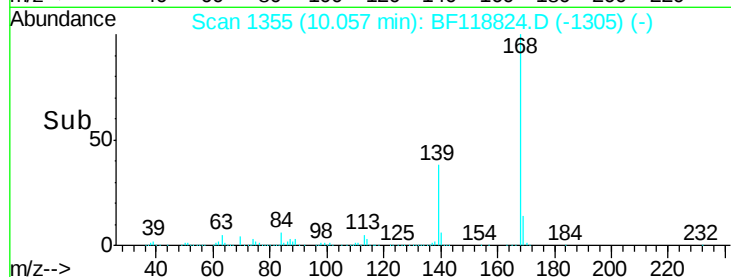
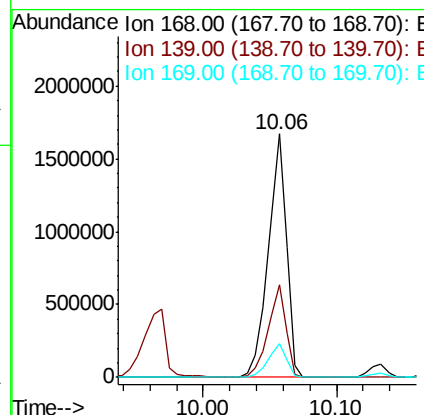
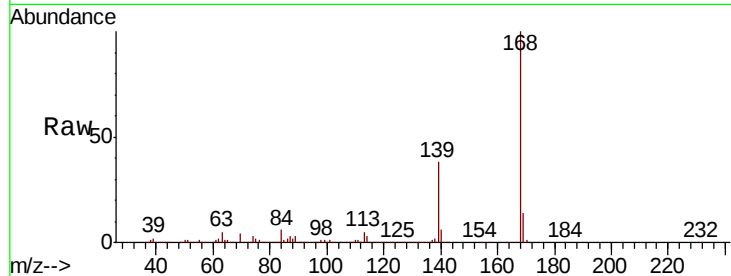
#55
Dibenzofuran
Concen: 40.470 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	31.6	47.4
169	14.1	11.4	17.2

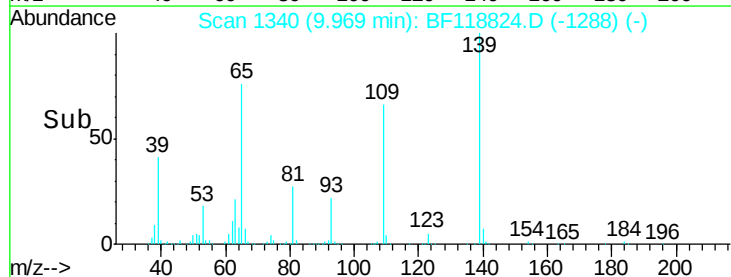
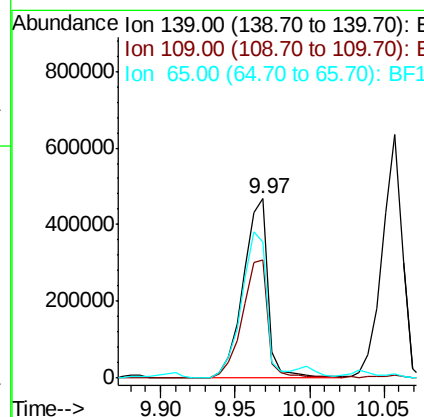
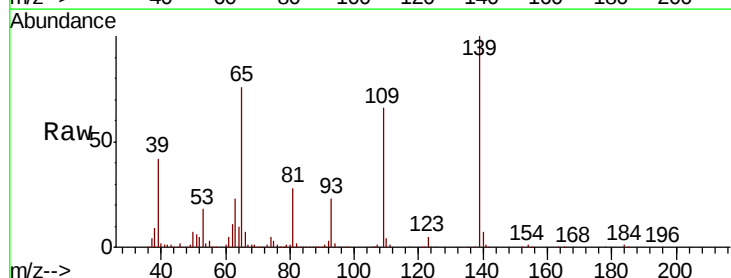
Manual Integrations
APPROVED

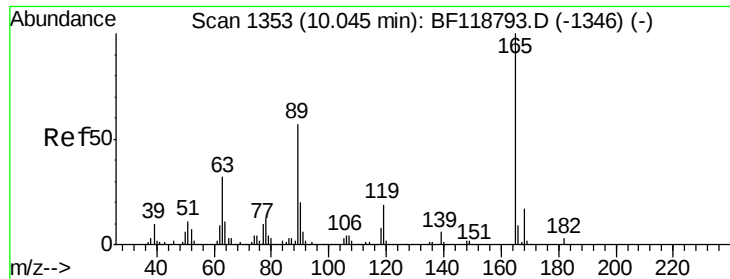
mohammad
2/6/2020 2:18:52 PM



#56
4-Nitrophenol
Concen: 88.080 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.1	48.0	88.0
65	76.2	68.3	108.3





#57

2,4-Dinitrotoluene

Concen: 42.771 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

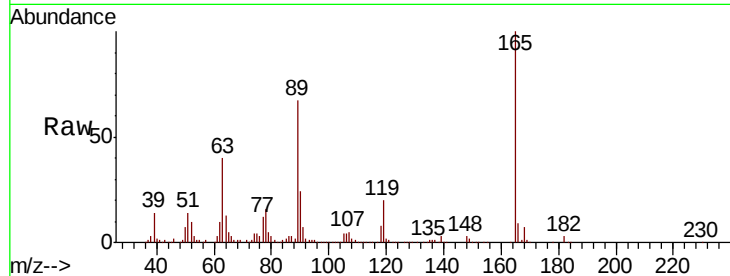
ClientSampleId :

TP-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		432353		
63	39.8	25.5	38.3#		
89	66.7	45.4	68.0		
182	2.9	2.4	3.6		

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM

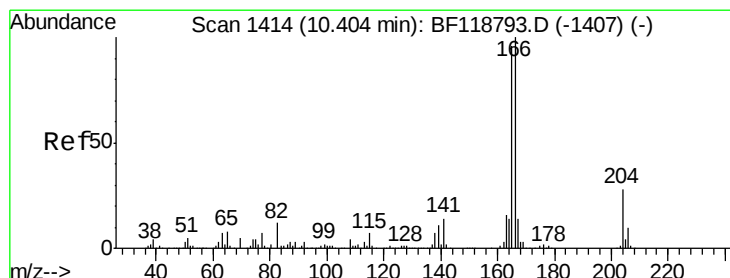
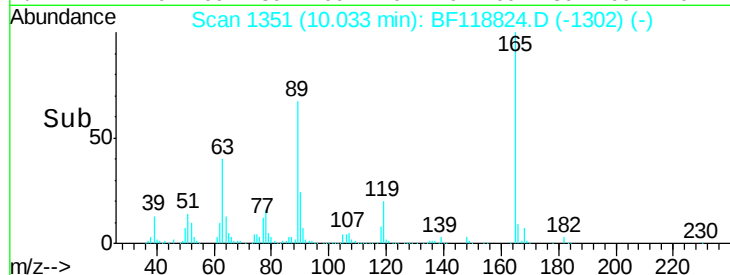
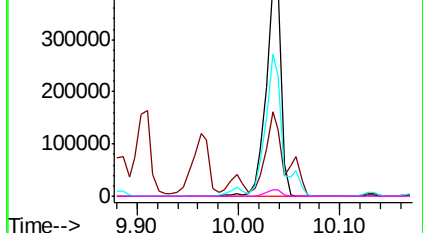


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 40.427 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF118824.D

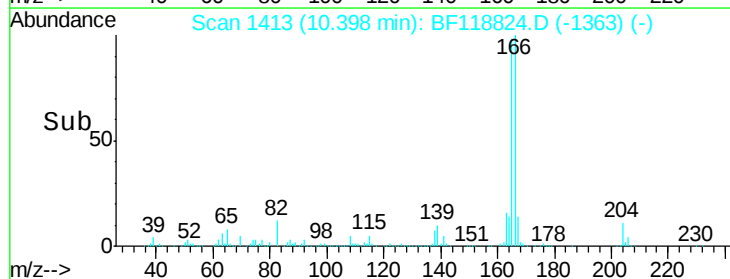
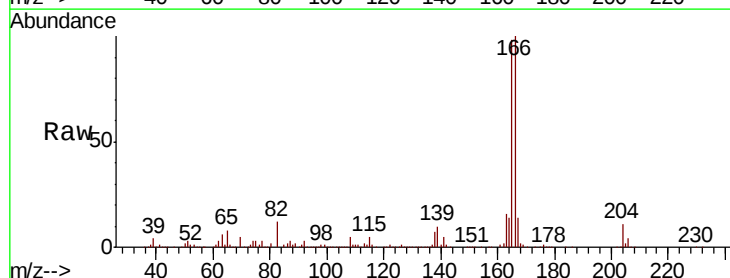
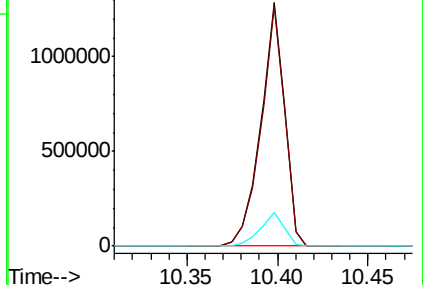
Acq: 5 Feb 2020 12:17

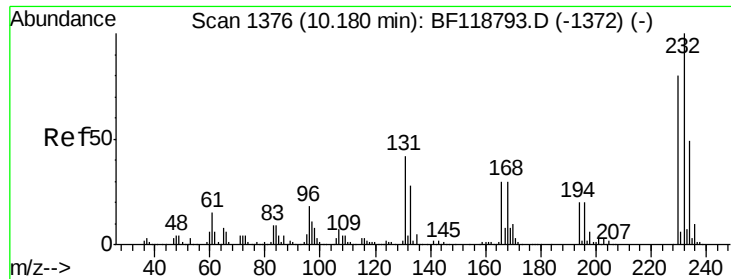
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1179087		
165	98.4	77.0	115.6		
167	13.9	11.1	16.7		

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





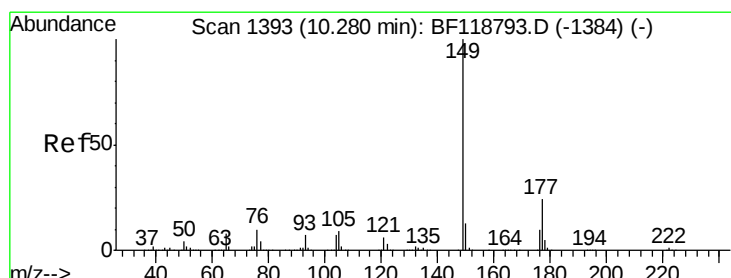
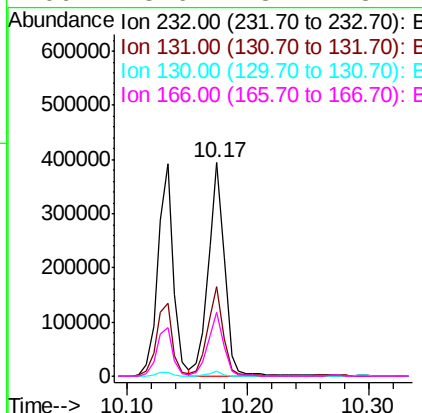
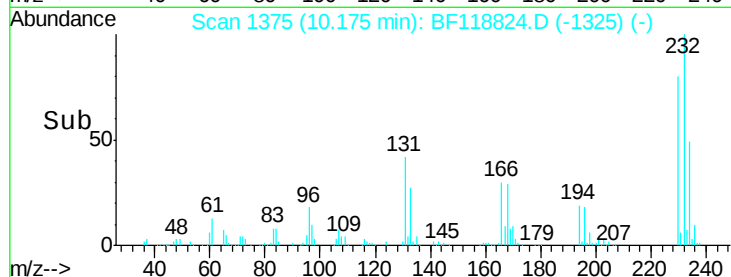
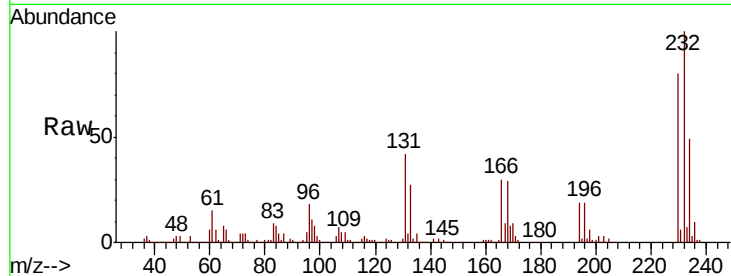
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.143 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	40.0	31.8	47.6
130	2.0	1.6	2.4
166	28.6	23.1	34.7

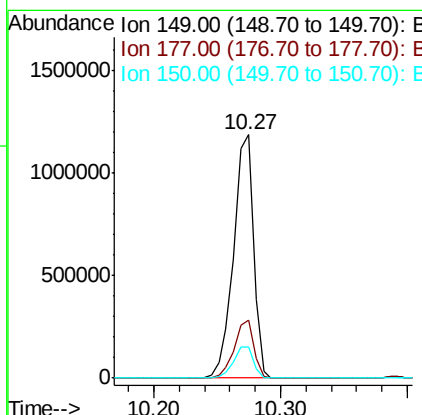
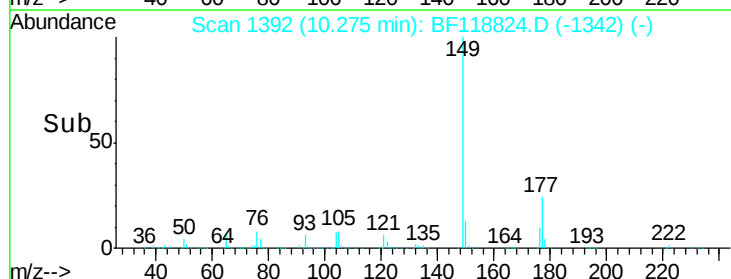
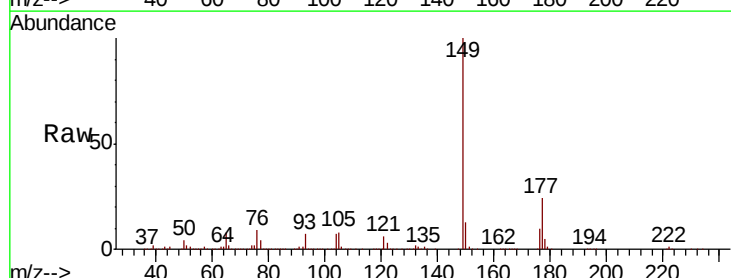
Manual Integrations
 APPROVED

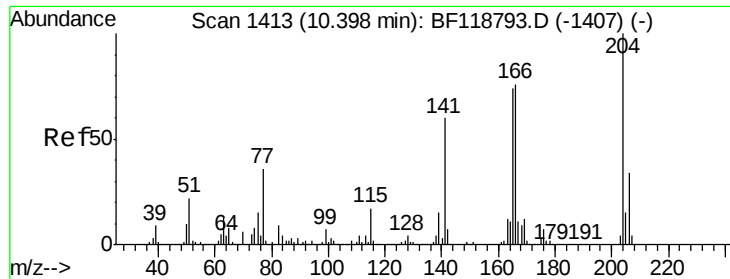
mohammad
 2/6/2020 2:18:52 PM



#60
 Diethylphthalate
 Concen: 39.483 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.8	19.3	28.9
150	12.6	10.4	15.6





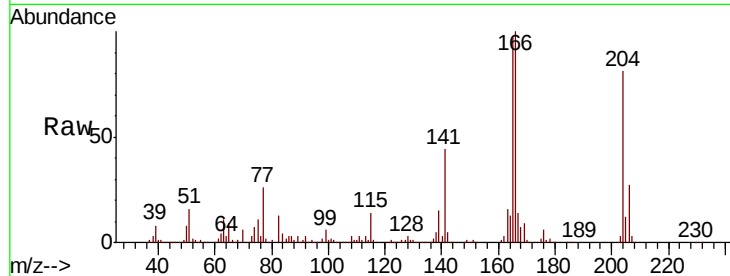
#61
 4-Chlorophenyl-phenylether
 Concen: 38.572 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.2
141	54.8	47.8	71.6

Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:18:52 PM

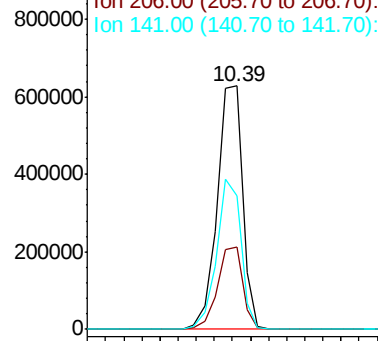


Abundance

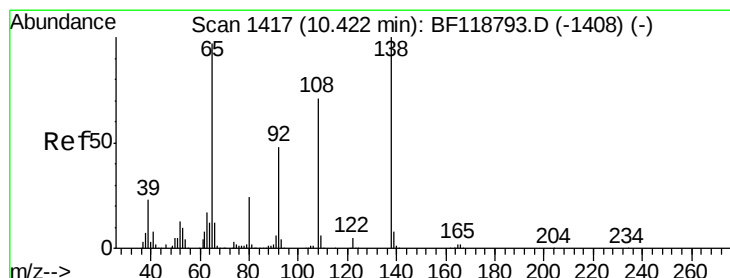
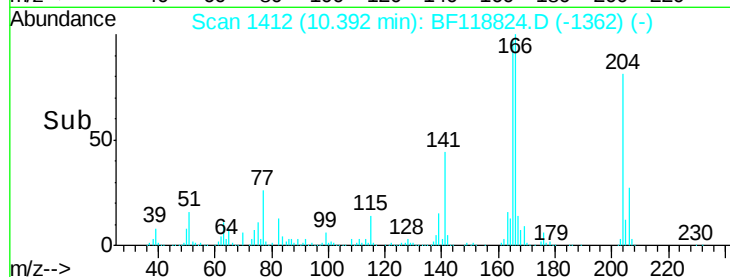
Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

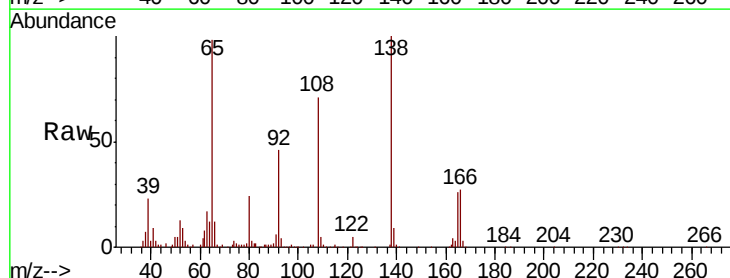


Time-->



#62
 4-Nitroaniline
 Concen: 35.913 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.4	27.6	67.6
108	70.6	51.3	91.3

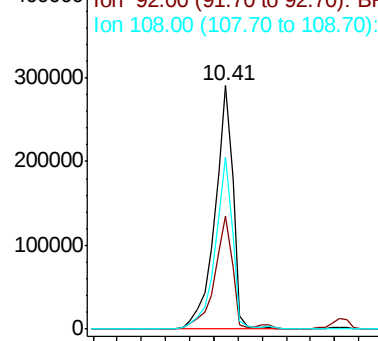


Abundance

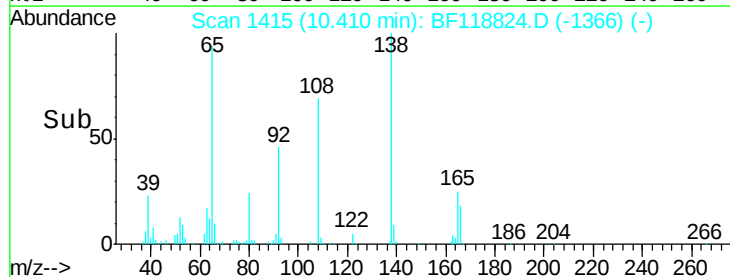
Ion 138.00 (137.70 to 138.70): E

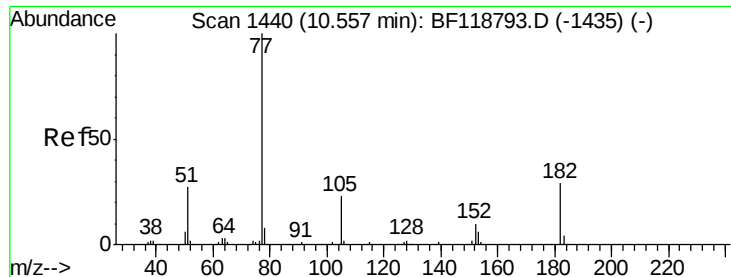
Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



Time-->





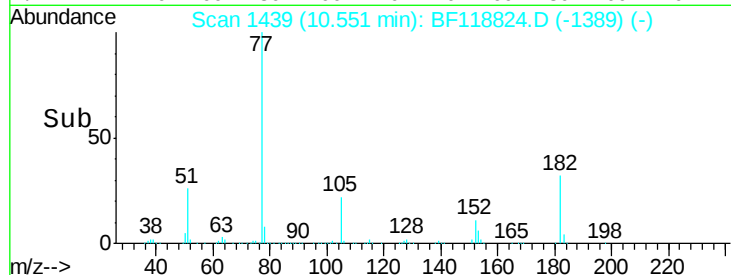
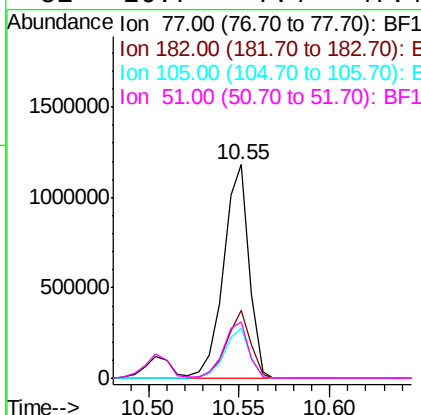
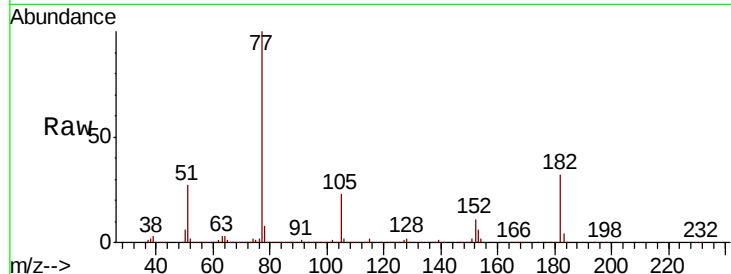
#63
Azobenzene
Concen: 41.519 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion:	77	Resp:	1150631
Ion	Ratio	Lower	Upper
77	100		
182	31.8	9.2	49.2
105	23.4	3.1	43.1
51	26.7	7.4	47.4

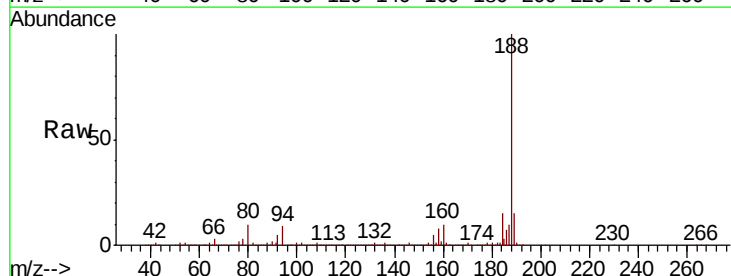
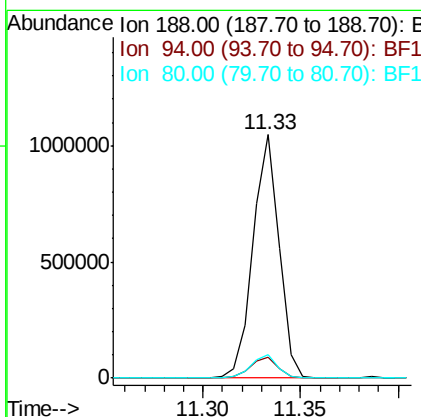
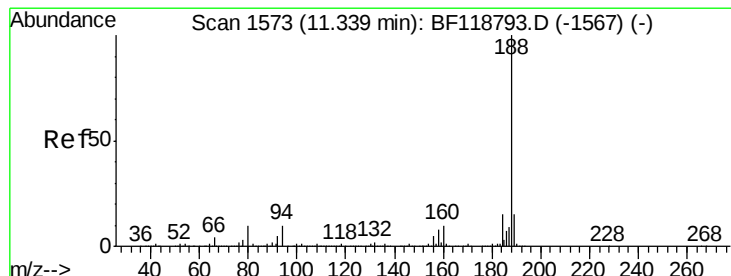
Manual Integrations
APPROVED

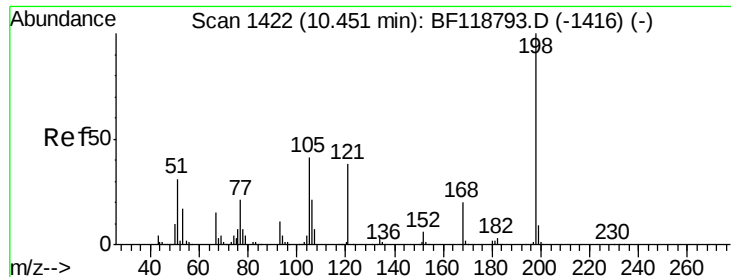
mohammad
2/6/2020 2:18:52 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion:	188	Resp:	971129
Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.9	11.9
80	9.5	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 44.072 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion:198 Resp: 240495

Ion Ratio Lower Upper

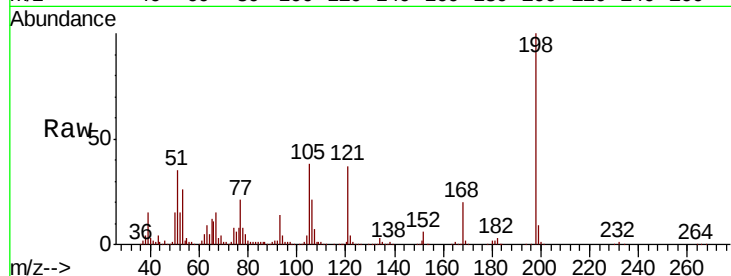
198 100

51 34.7 16.7 56.7

105 38.4 22.0 62.0

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

400000

300000

200000

100000

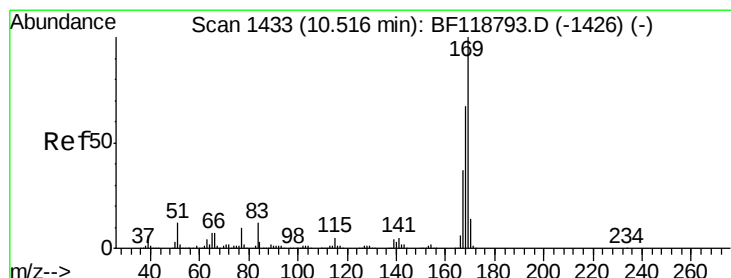
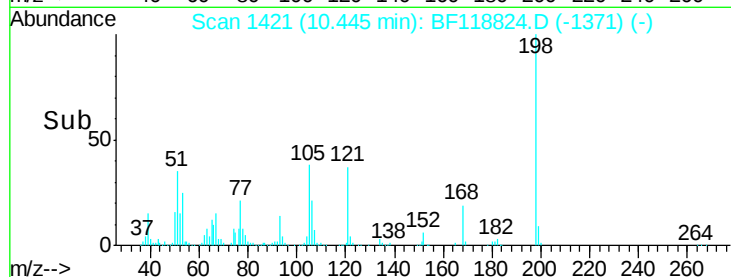
0

10.45

10.50

10.60

Time-->



#66

n-Nitrosodiphenylamine

Concen: 39.286 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

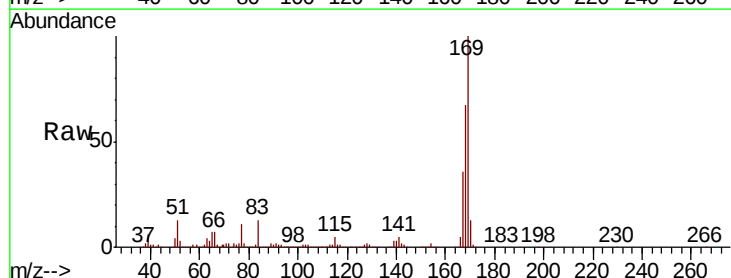
Tgt Ion:169 Resp: 1105115

Ion Ratio Lower Upper

169 100

168 66.9 53.5 80.3

167 36.4 29.3 43.9



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

1000000

500000

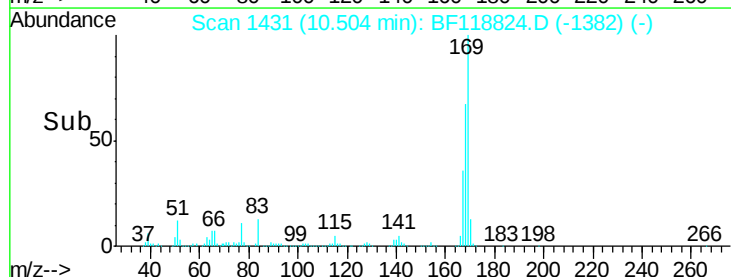
0

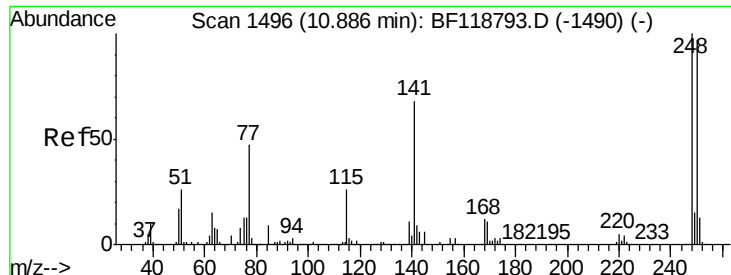
10.45

10.50

10.55

Time-->





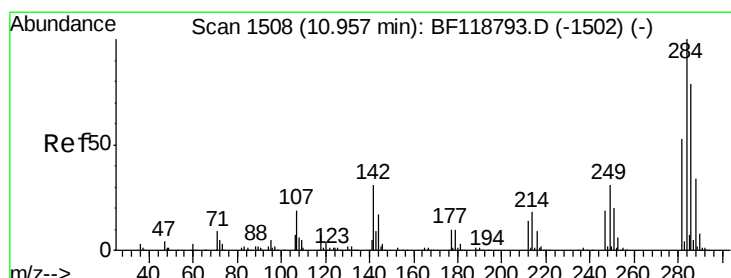
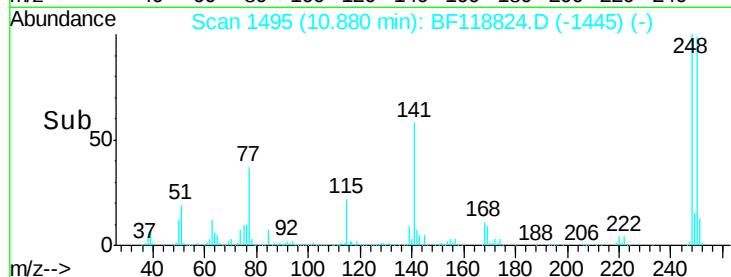
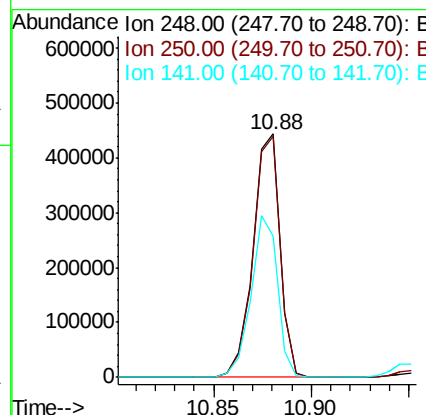
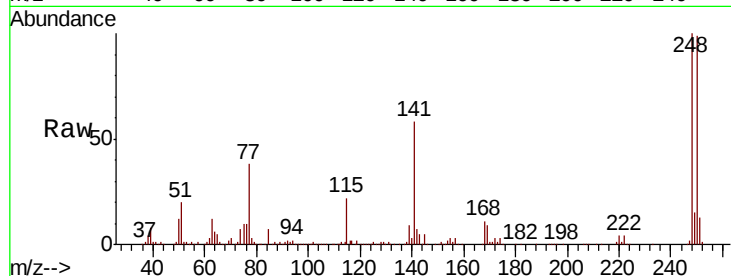
#67
 4-Bromophenyl-phenylether
 Concen: 37.151 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampled :
 TP-1MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.6	116.4
141	57.9	54.4	81.6

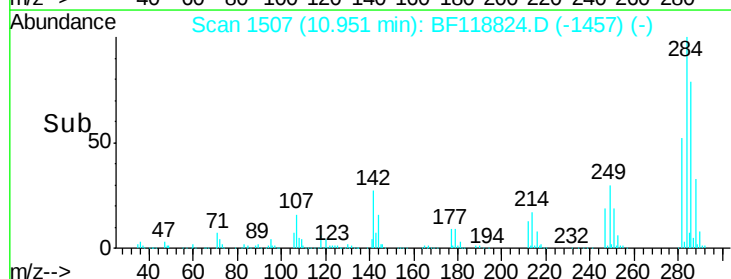
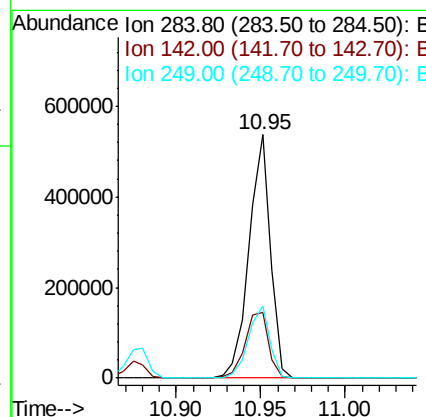
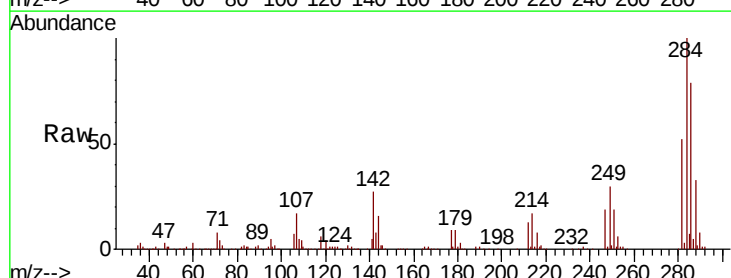
Manual Integrations
 APPROVED

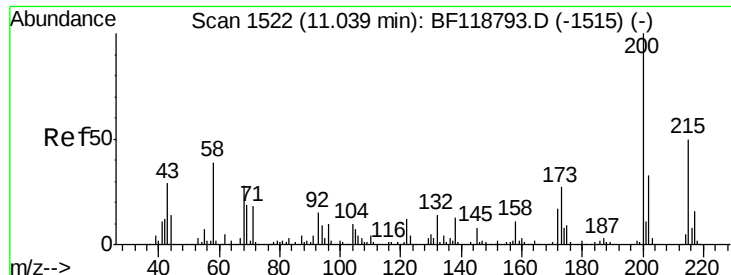
mohammad
 2/6/2020 2:18:52 PM



#68
 Hexachlorobenzene
 Concen: 36.145 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	26.9	24.5	36.7
249	29.5	24.7	37.1





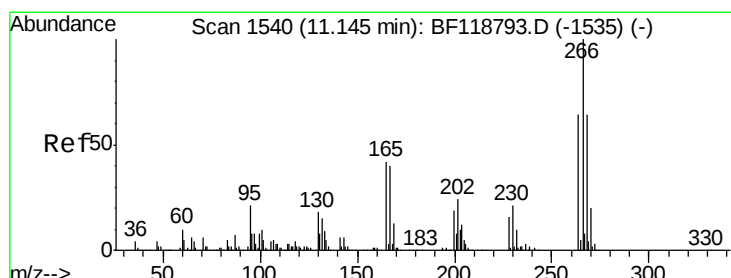
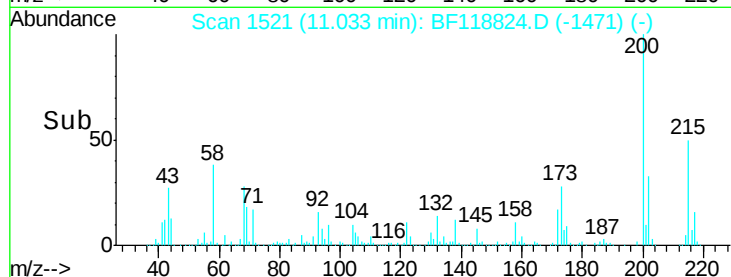
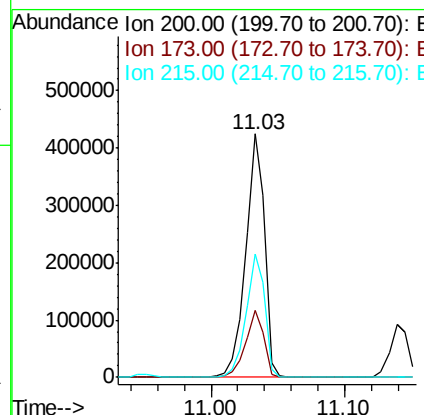
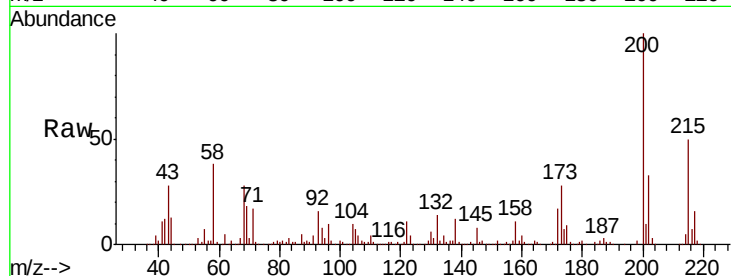
#69
Atrazine
Concen: 44.196 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	414193		
173	27.6	7.5	47.5	
215	50.4	29.9	69.9	

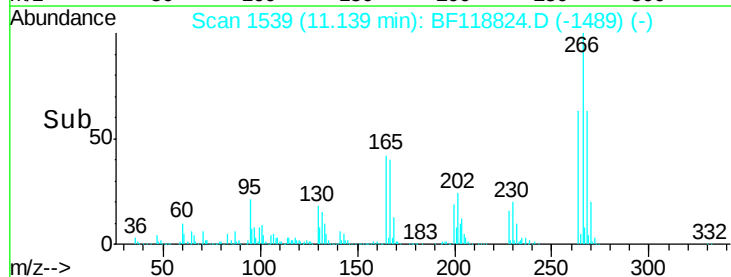
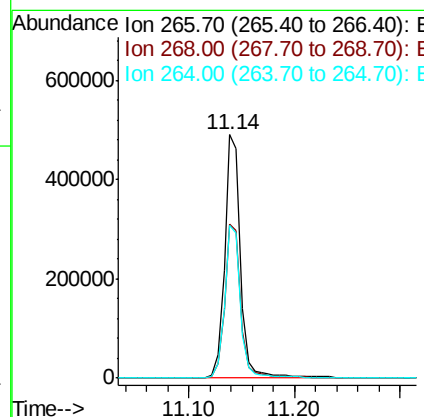
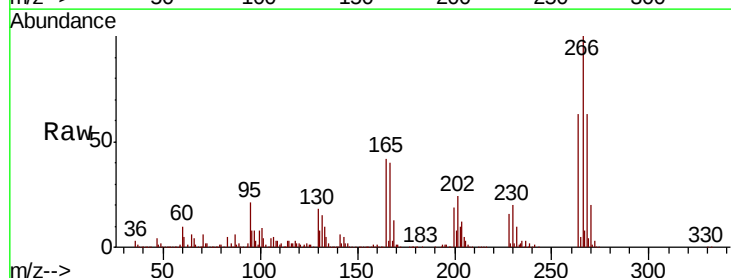
Manual Integrations
APPROVED

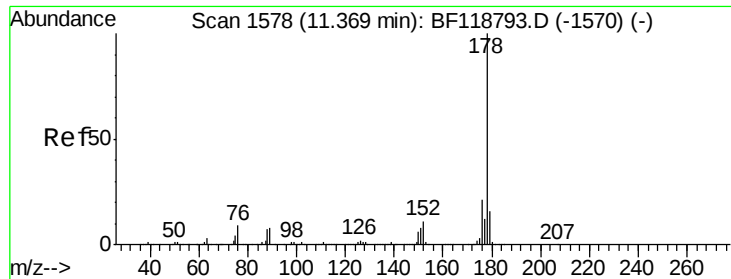
mohammad
2/6/2020 2:18:52 PM



#70
Pentachlorophenol
Concen: 74.954 ng
RT: 11.14 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	521493		
268	63.1	51.0	76.6	
264	63.0	51.4	77.2	





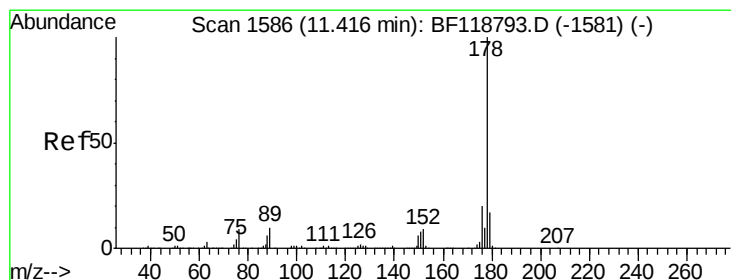
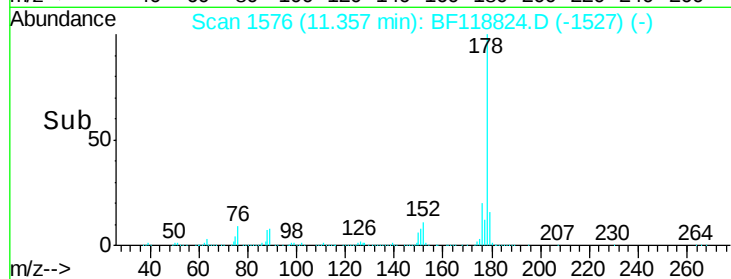
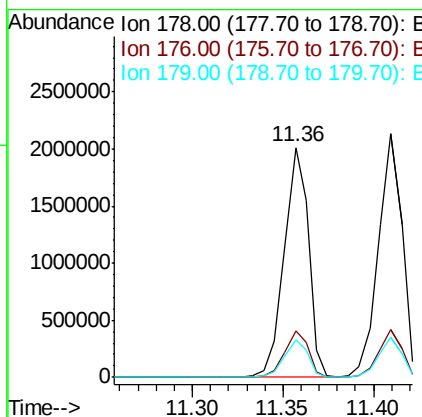
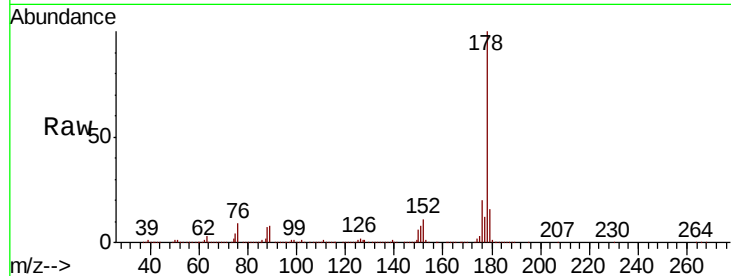
#71
Phenanthrene
Concen: 39.448 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampled :
TP-1MS

Tot Ion:178 Resp: 1884856
Ion Ratio Lower Upper
178 100
176 20.0 16.6 24.8
179 16.3 13.2 19.8

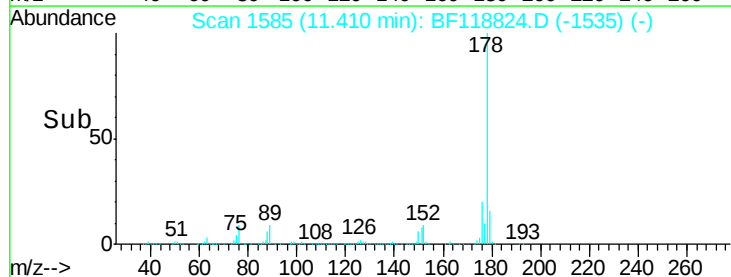
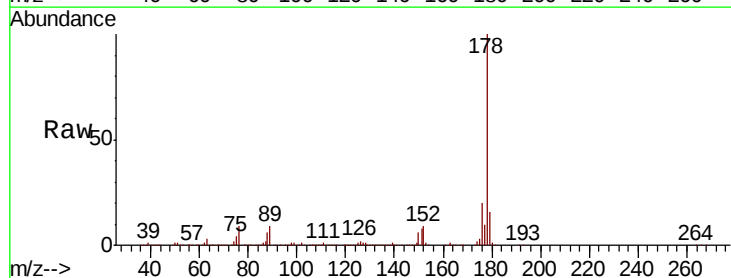
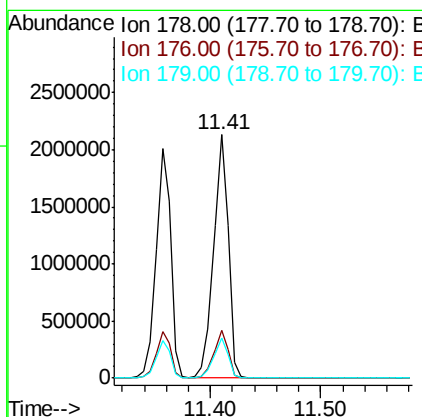
Manual Integrations
APPROVED

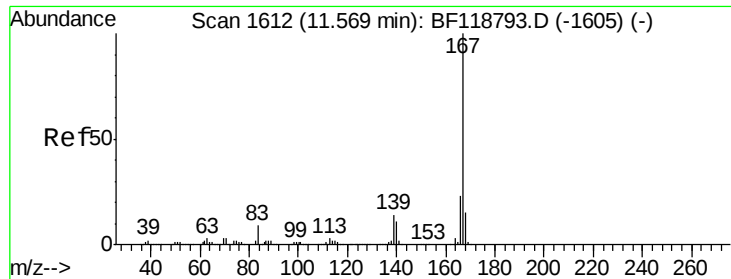
mohammad
2/6/2020 2:18:52 PM



#72
Anthracene
Concen: 41.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion:178 Resp: 1948897
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 16.3 13.4 20.2





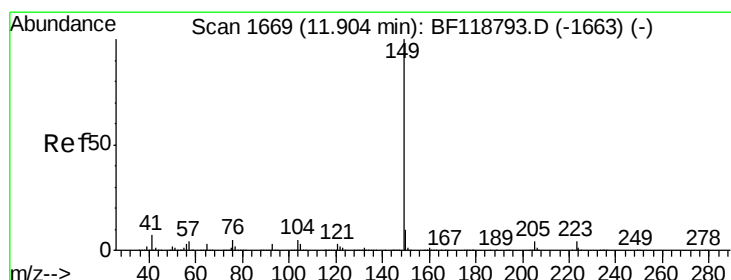
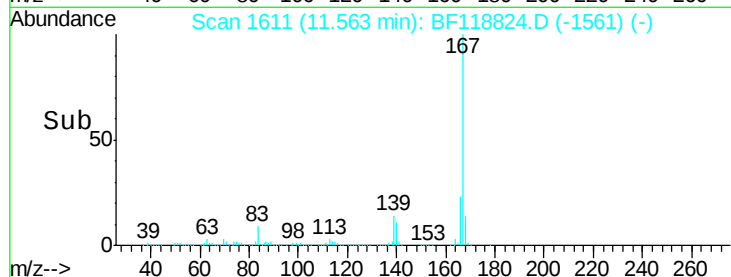
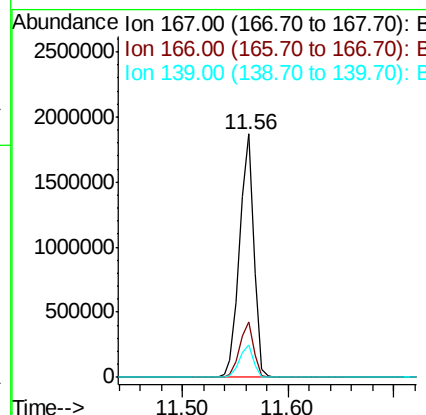
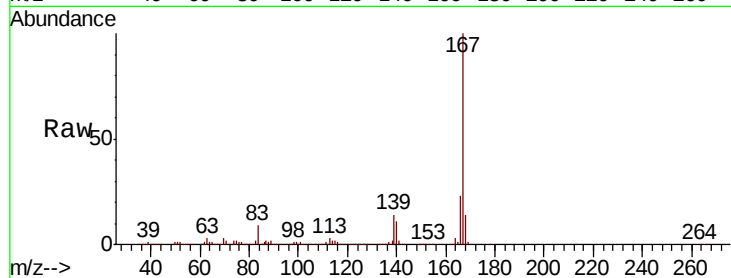
#73
 Carbazole
 Concen: 41.395 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampled :
 TP-1MS

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	22.6	18.4	27.6	
139	13.5	11.1	16.7	

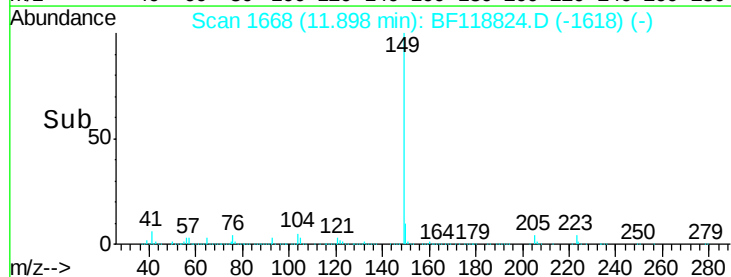
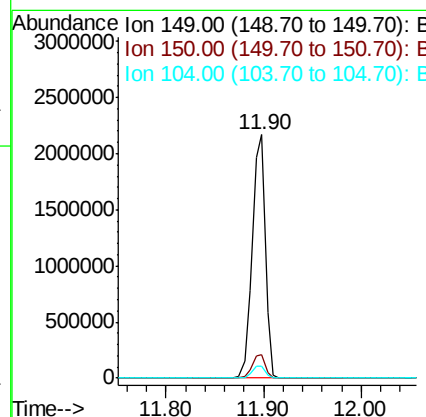
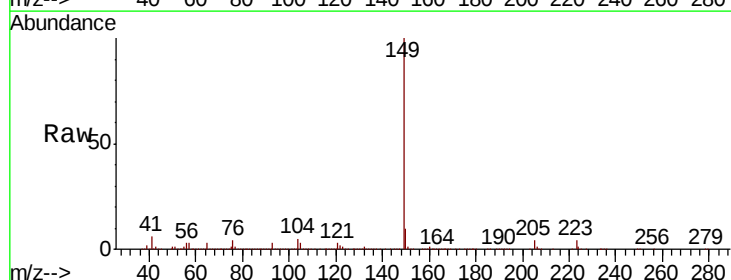
Manual Integrations
 APPROVED

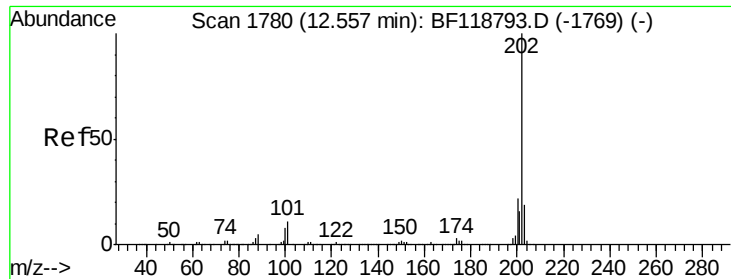
mohammad
 2/6/2020 2:18:52 PM



#74
 Di-n-butylphthalate
 Concen: 38.017 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
149	100			
150	9.7	8.1	12.1	
104	4.8	4.3	6.5	





#75

Fluoranthene

Concen: 40.867 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion:202 Resp: 2131948

Ion Ratio Lower Upper

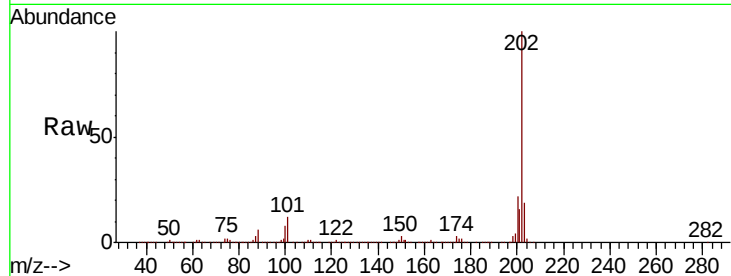
202 100

101 11.5 0.0 31.0

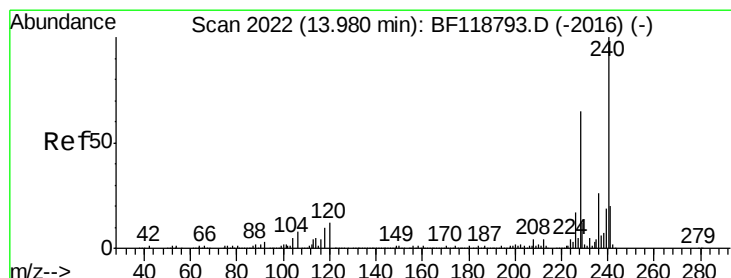
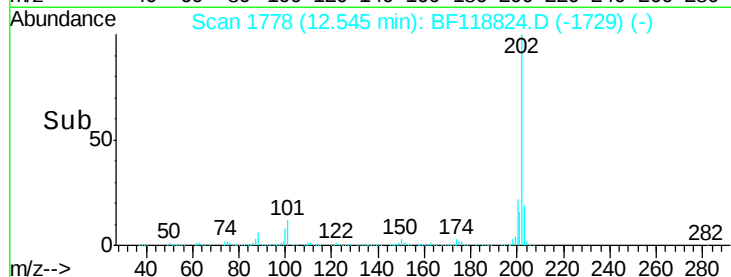
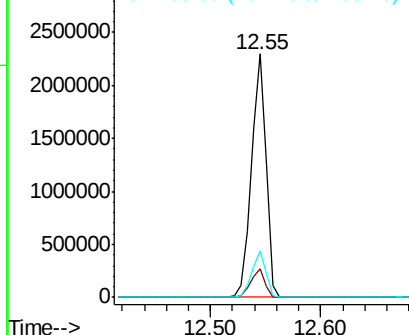
203 18.8 0.0 38.7

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

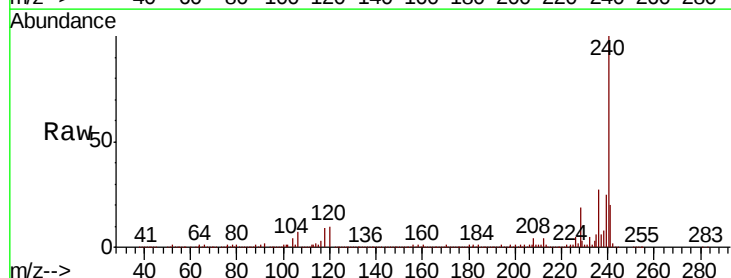
Tgt Ion:240 Resp: 857894

Ion Ratio Lower Upper

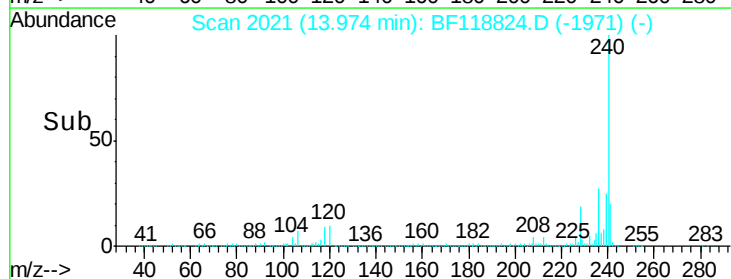
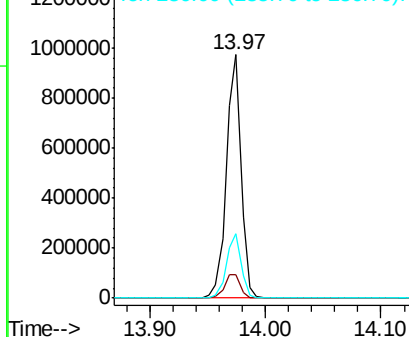
240 100

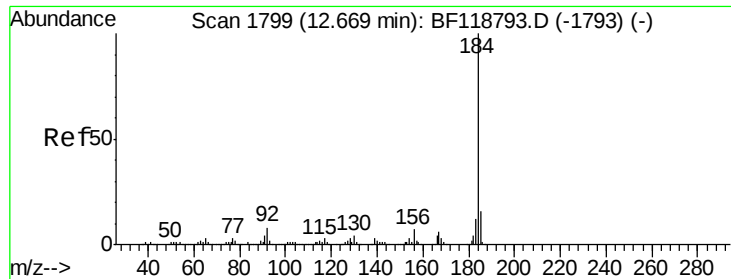
120 9.7 9.4 14.0

236 26.6 21.0 31.6



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: 34.099 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion:184 Resp: 884797

Ion Ratio Lower Upper

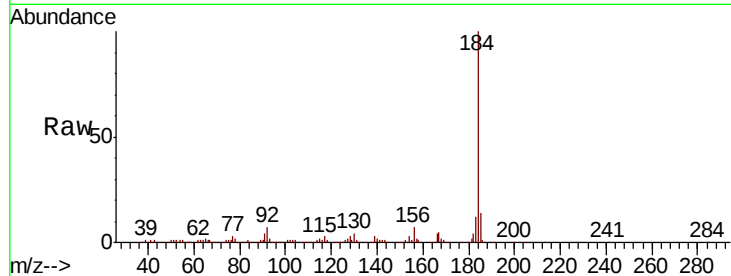
184 100

185 14.4 12.5 18.7

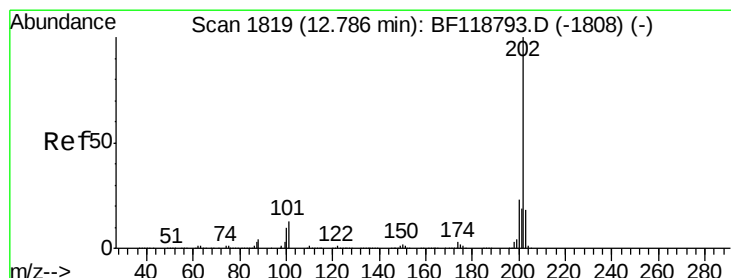
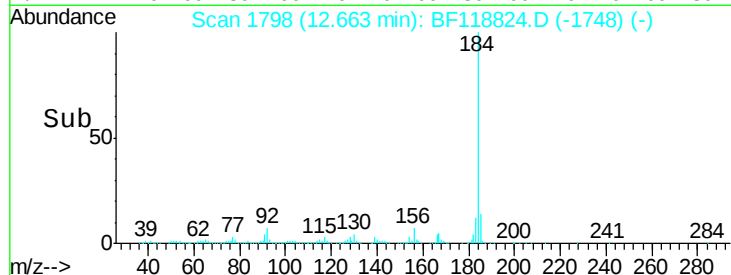
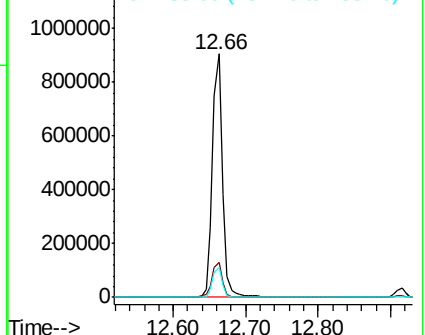
183 12.1 9.7 14.5

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 36.899 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

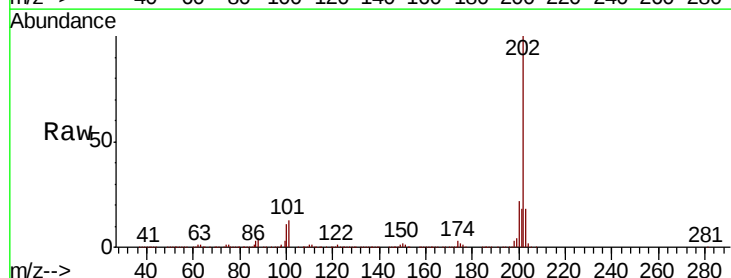
Tgt Ion:202 Resp: 2171670

Ion Ratio Lower Upper

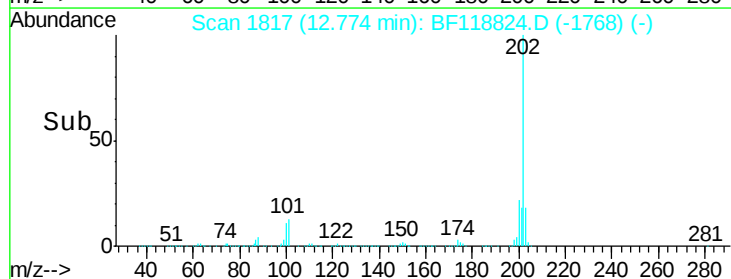
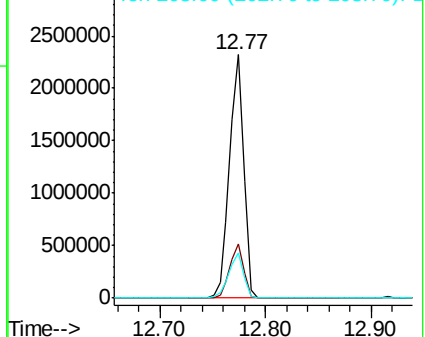
202 100

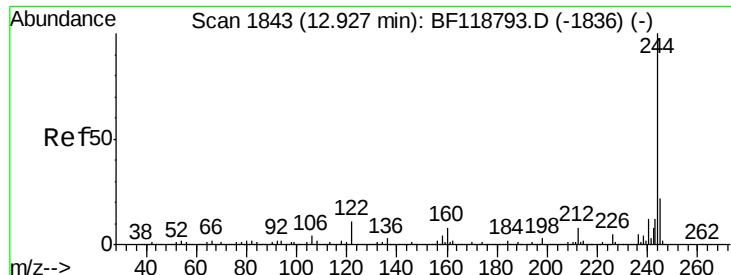
200 22.1 18.2 27.2

203 18.4 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.936 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampleId :

TP-1MS

Tot Ion:244 Resp: 2670379

Ion Ratio Lower Upper

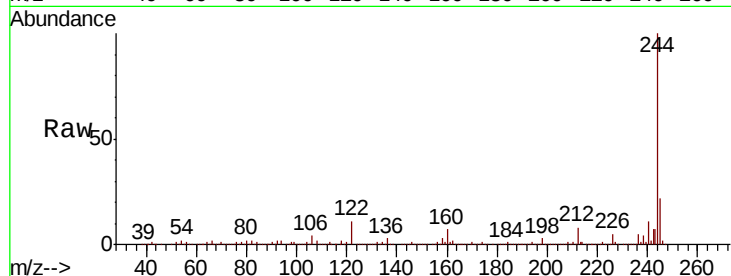
244 100

212 7.6 6.5 9.7

122 10.9 8.9 13.3

Manual Integrations
APPROVED

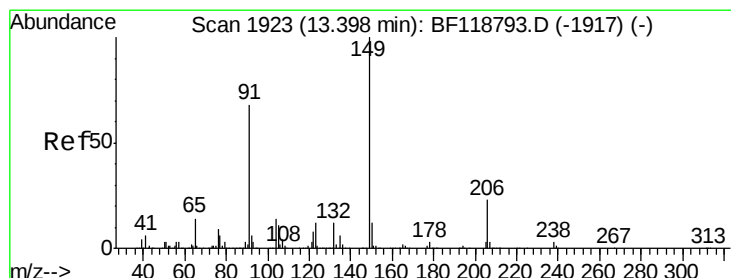
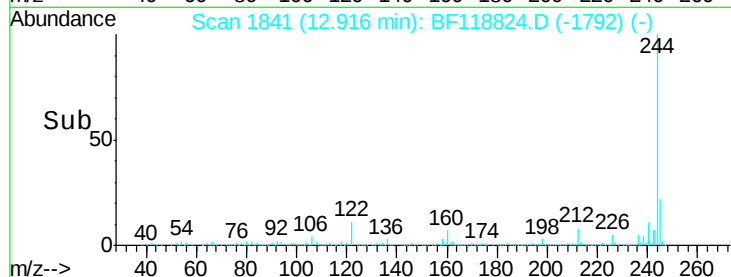
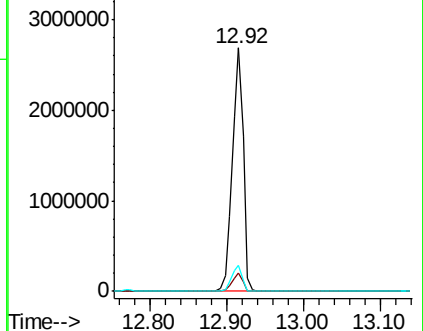
mohammad
2/6/2020 2:18:52 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 36.516 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

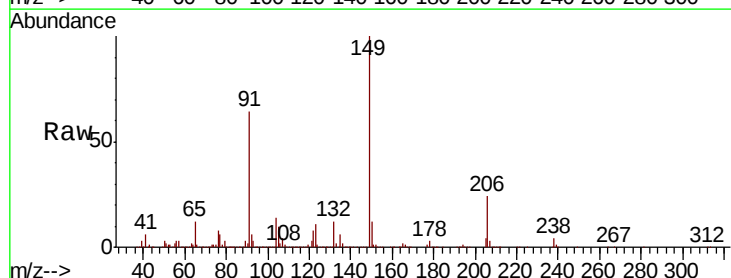
Tgt Ion:149 Resp: 980927

Ion Ratio Lower Upper

149 100

91 64.2 54.7 82.1

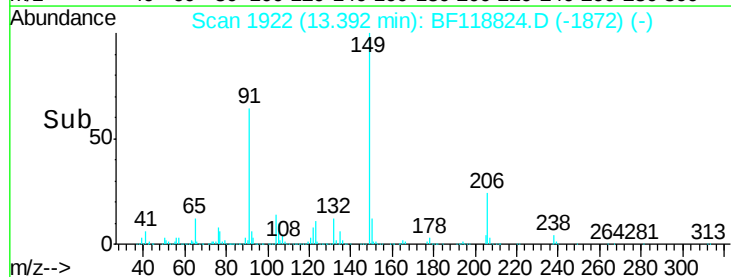
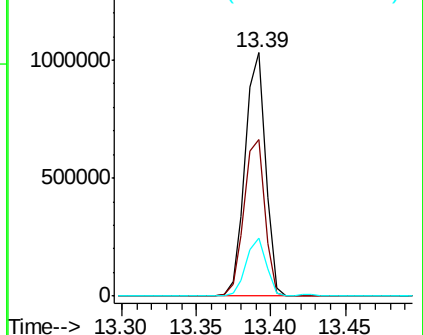
206 23.7 18.5 27.7

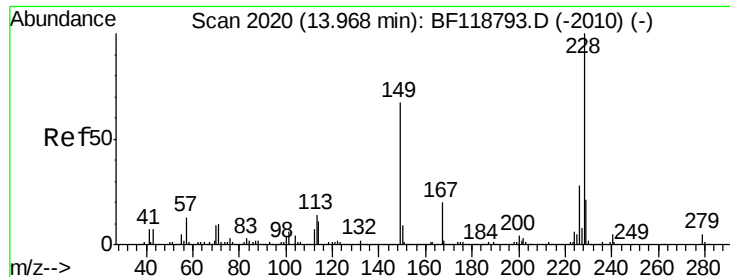


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.975 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

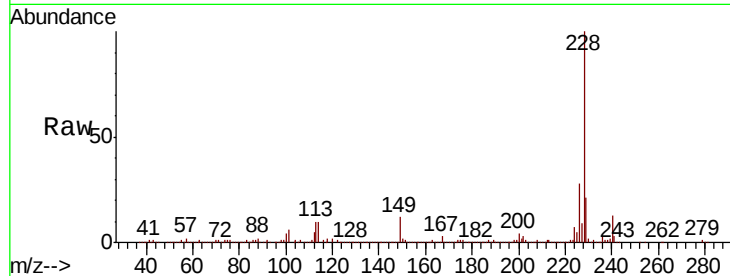
ClientSampled :

TP-1MS

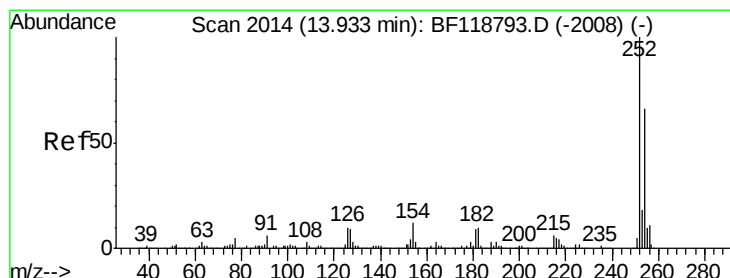
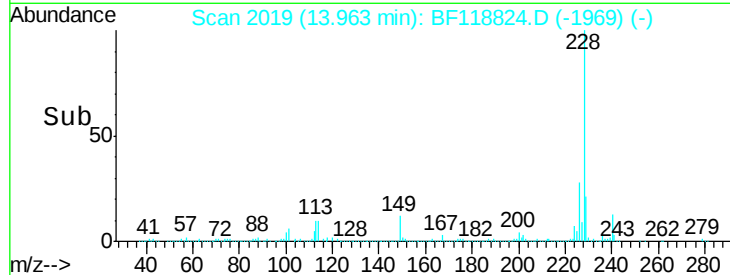
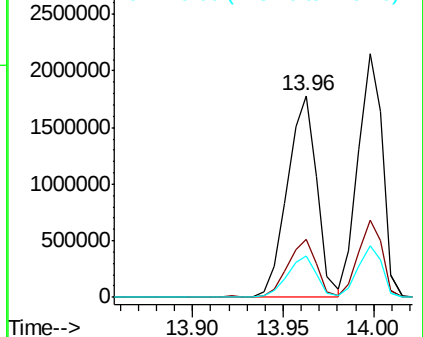
Tot Ion:	228	Resp:	2040727
Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.7	34.1
229	20.8	16.6	25.0

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 25.503 ng

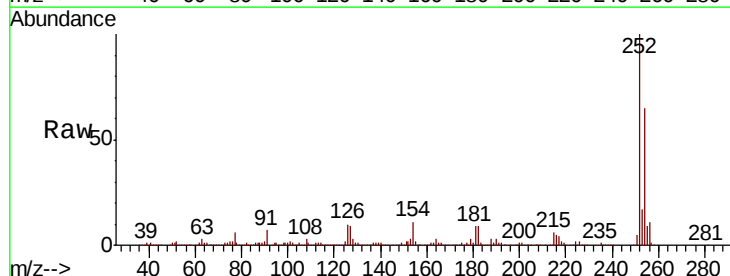
RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

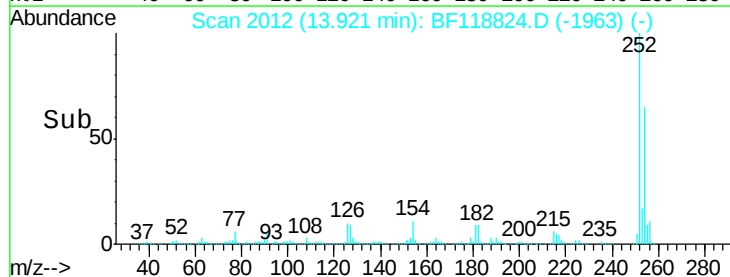
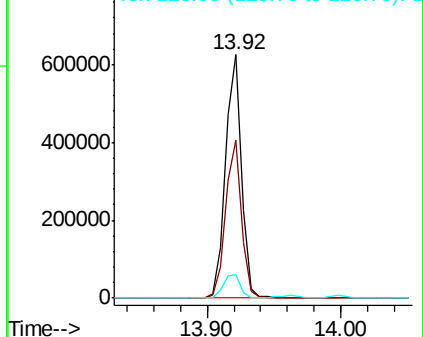
Lab File: BF118824.D

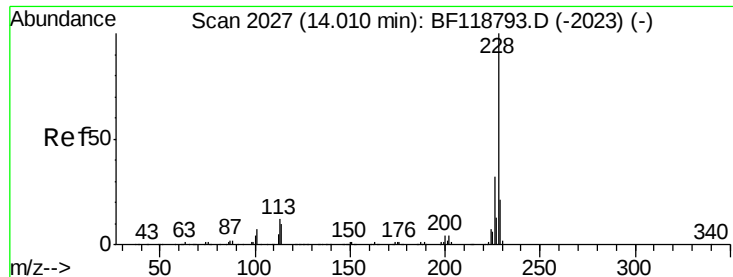
Acq: 5 Feb 2020 12:17

Tgt Ion:	252	Resp:	532491
Ion	Ratio	Lower	Upper
252	100		
254	64.6	52.4	78.6
126	9.7	7.8	11.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





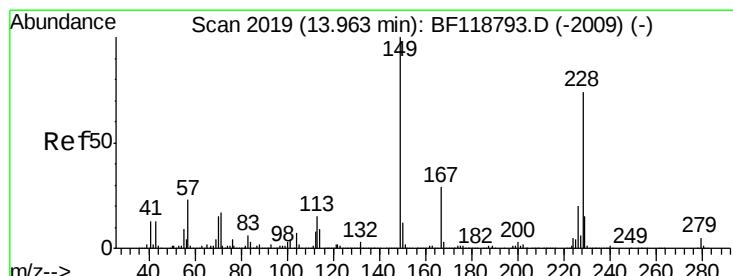
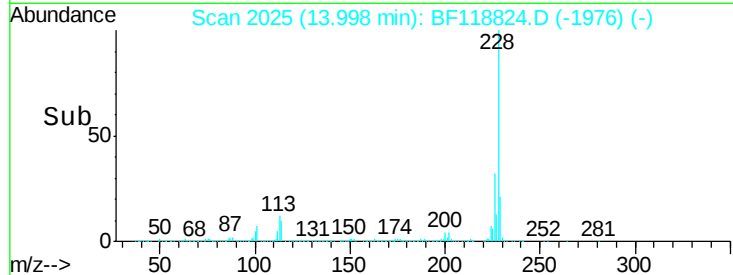
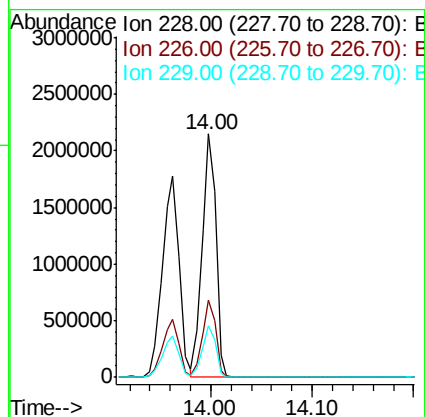
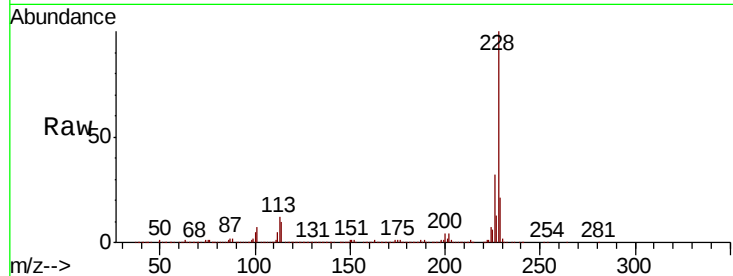
#83
 Chrvsene
 Concen: 39.658 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MS

Tot Ion:228 Resp: 2031924
 Ion Ratio Lower Upper
 228 100
 226 31.7 25.4 38.0
 229 21.0 16.9 25.3

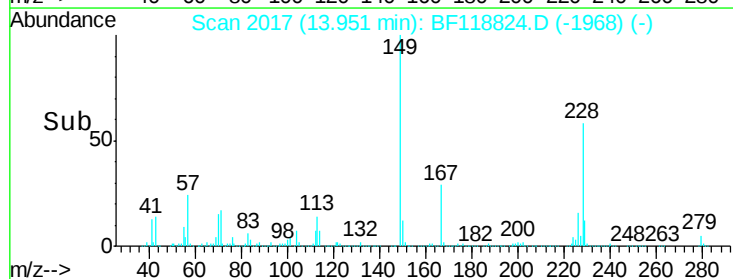
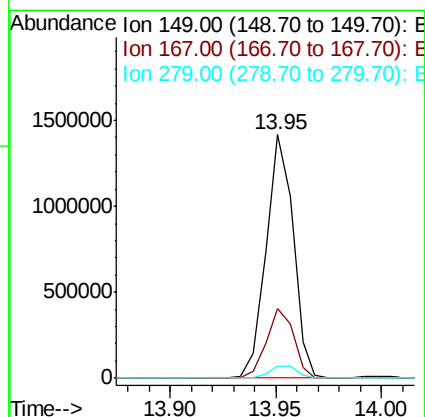
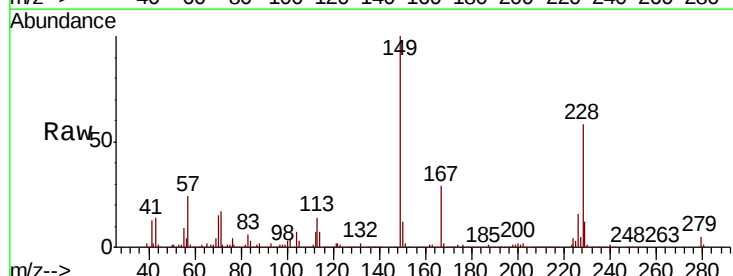
Manual Integrations
 APPROVED

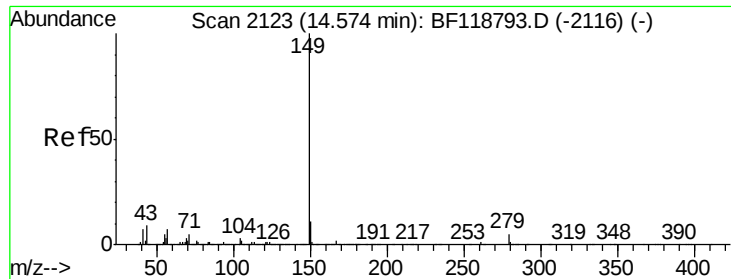
mohammad
 2/6/2020 2:18:52 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 37.261 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF118824.D
 Acq: 5 Feb 2020 12:17

Tgt Ion:149 Resp: 1269884
 Ion Ratio Lower Upper
 149 100
 167 28.6 23.0 34.6
 279 5.0 4.4 6.6





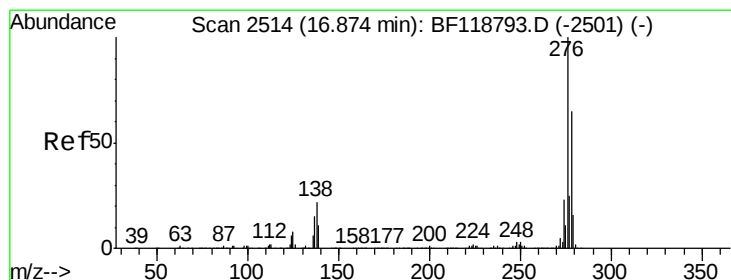
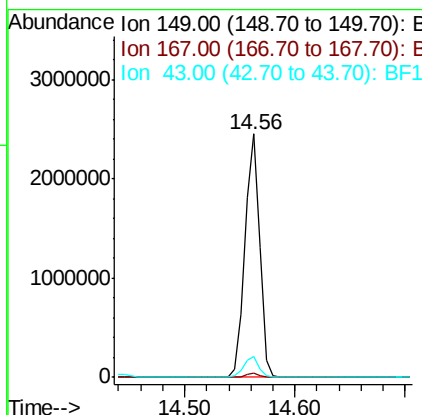
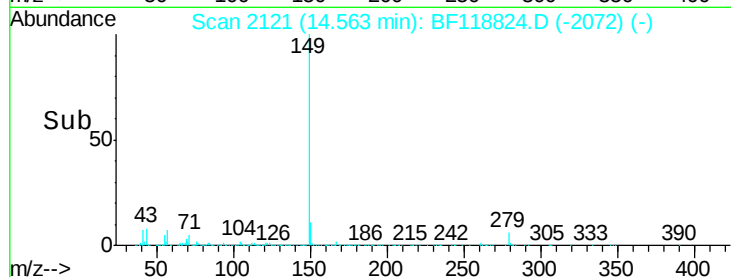
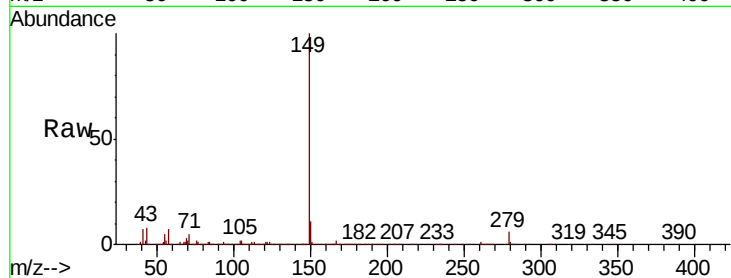
#85
Di-n-octyl phthalate
Concen: 39.392 ng
RT: 14.56 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	8.4	6.6	10.0

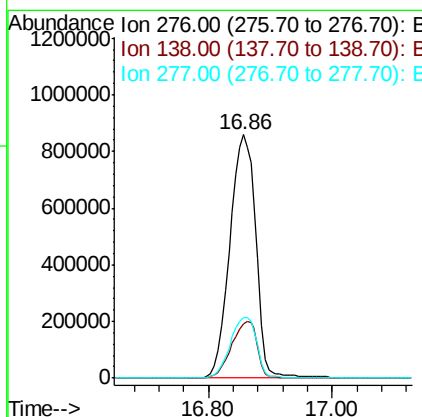
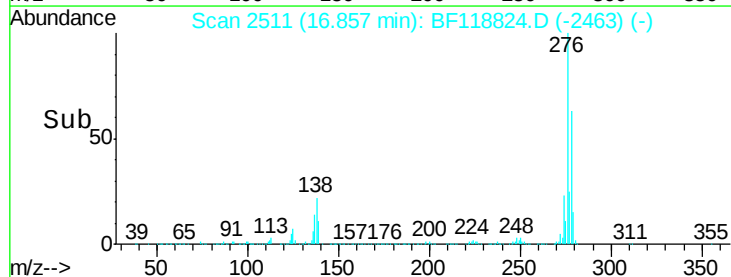
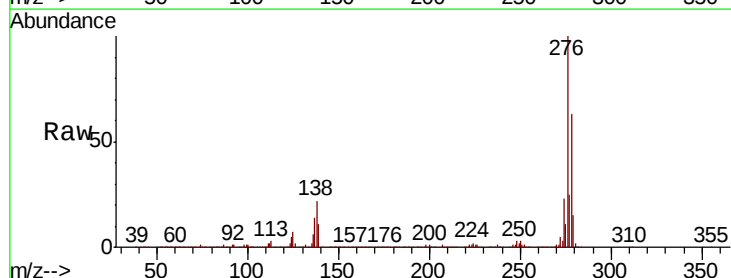
Manual Integrations
APPROVED

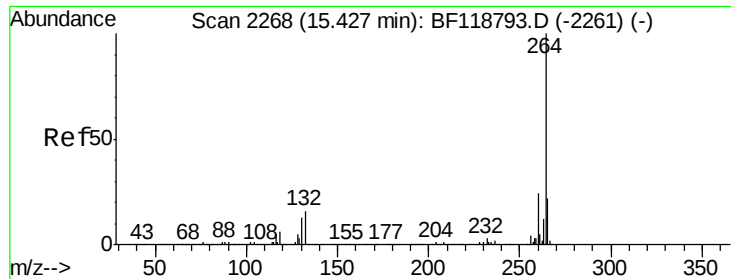
mohammad
2/6/2020 2:18:52 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 49.020 ng
RT: 16.86 min Scan# 2511
Delta R.T. -0.02 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.3	27.5
277	25.7	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

Instrument :

BNA_F

ClientSampled :

TP-1MS

Tot Ion:264 Resp: 1038764

Ion Ratio Lower Upper

264 100

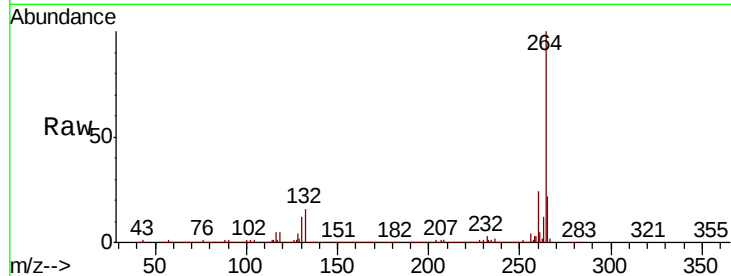
260 23.7 19.1 28.7

265 21.9 17.2 25.8

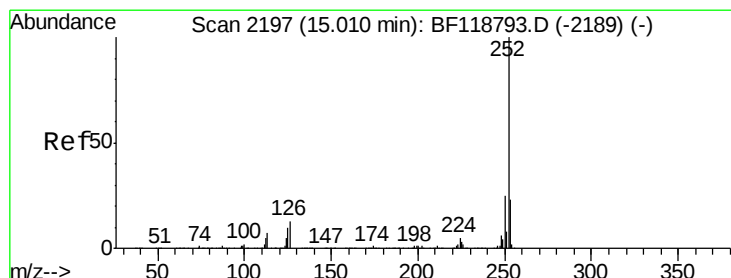
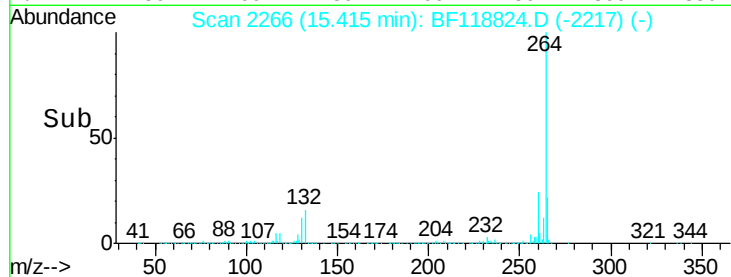
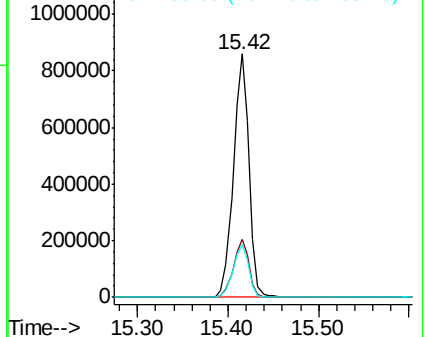
Manual Integrations
APPROVED

mohammad

2/6/2020 2:18:52 PM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 38.403 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF118824.D

Acq: 5 Feb 2020 12:17

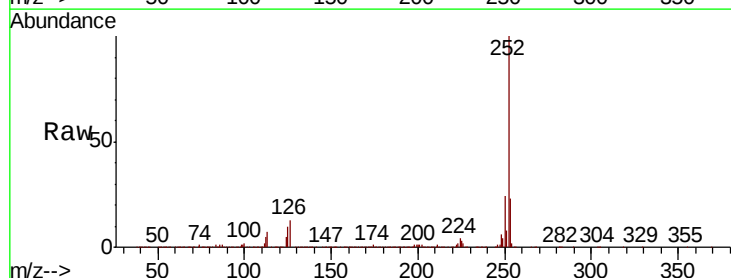
Tgt Ion:252 Resp: 2475323

Ion Ratio Lower Upper

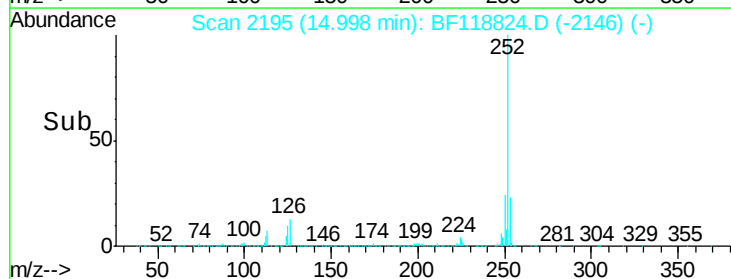
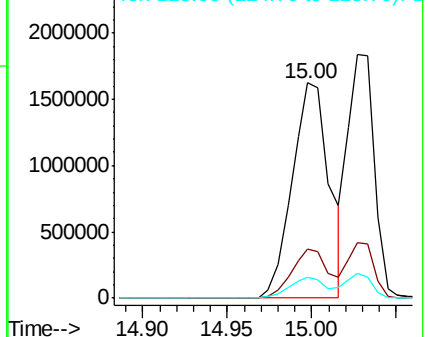
252 100

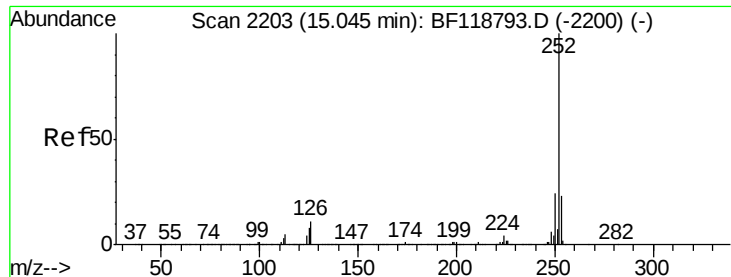
253 23.0 18.4 27.6

125 9.9 8.1 12.1



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





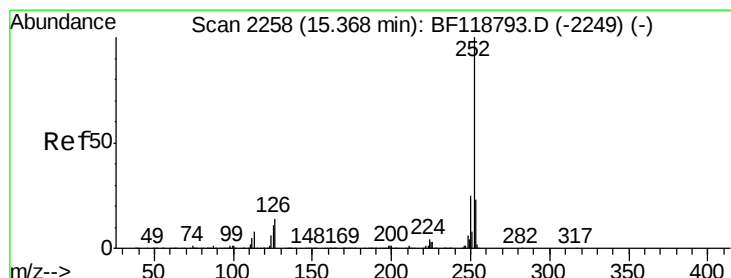
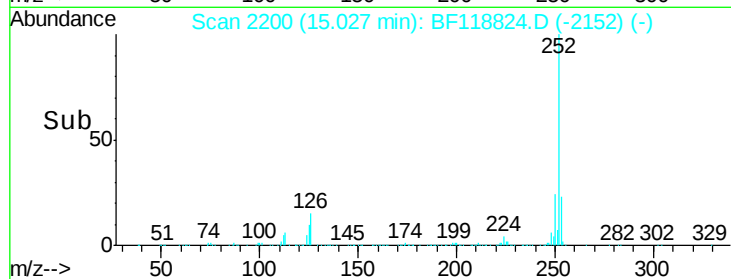
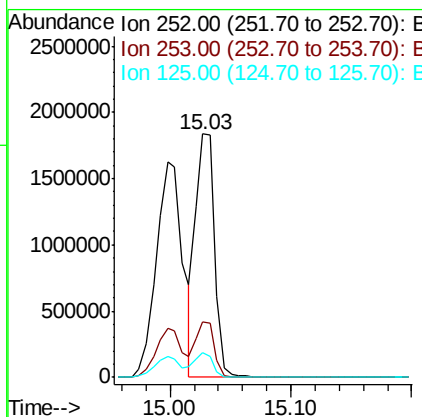
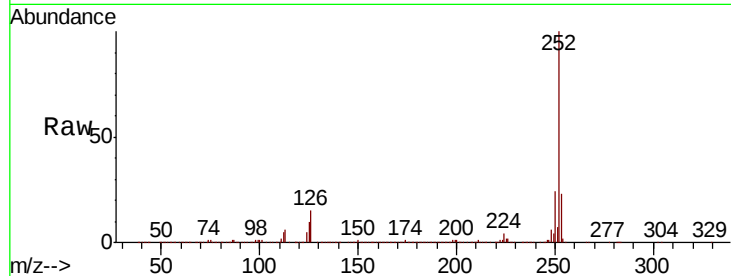
#89
Benzo(k)fluoranthene
Concen: 35.820 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	10.2	7.0	10.6

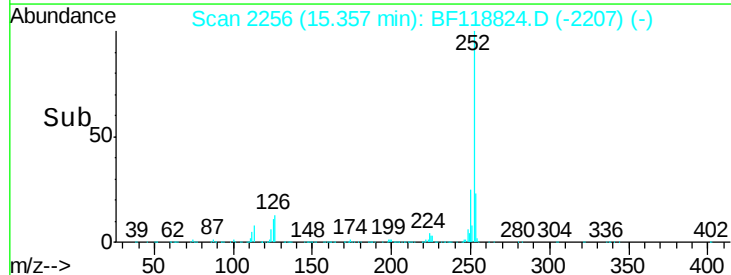
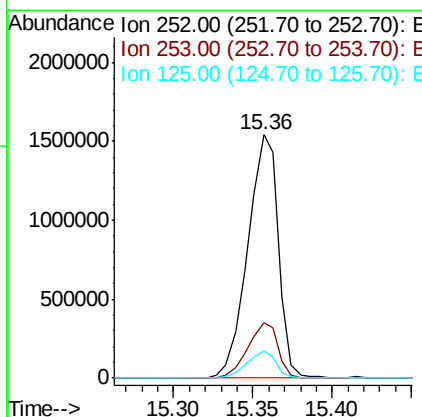
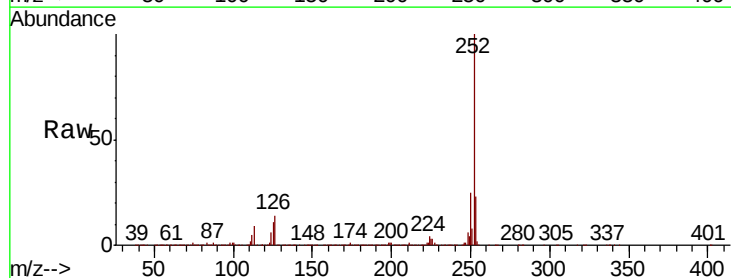
Manual Integrations
APPROVED

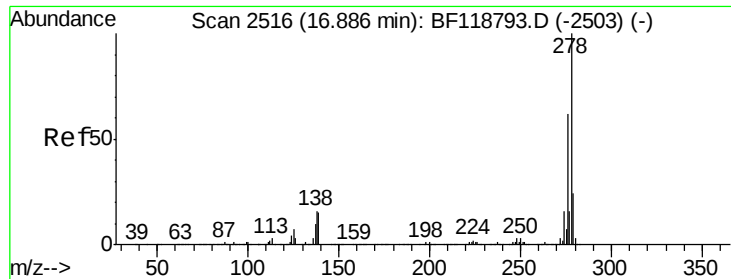
mohammad
2/6/2020 2:18:52 PM



#90
Benzo(a)pyrene
Concen: 37.387 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.2	8.7	13.1





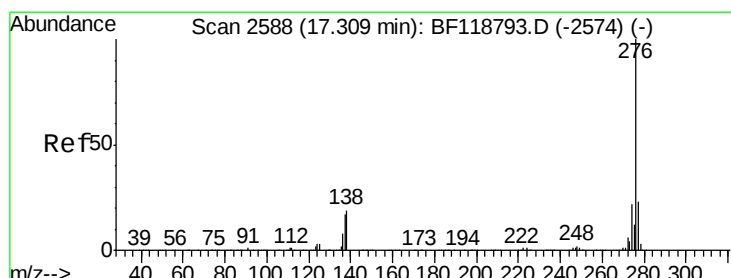
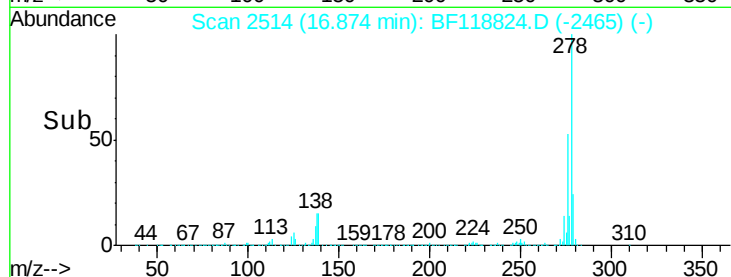
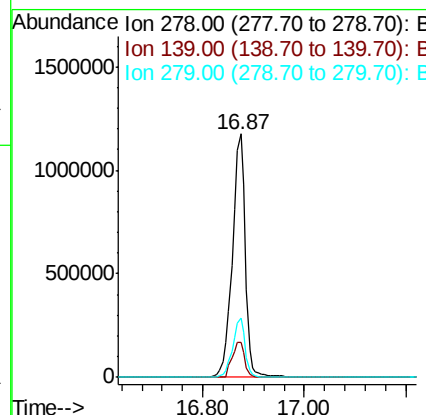
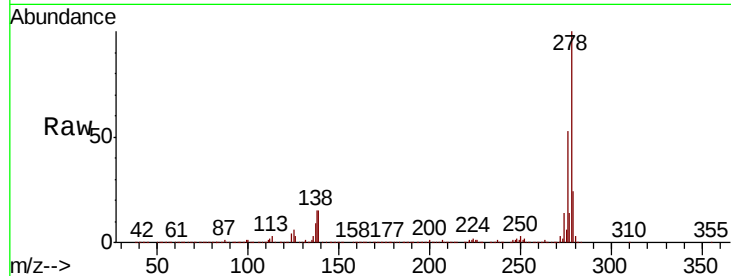
#91
Dibenzo(a,h)anthracene
Concen: 42.860 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Instrument :
BNA_F
ClientSampleId :
TP-1MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.3	18.5
279	24.3	19.1	28.7

Manual Integrations
APPROVED

mohammad
2/6/2020 2:18:52 PM



#92
Benzo(g,h,i)perylene
Concen: 42.713 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.02 min
Lab File: BF118824.D
Acq: 5 Feb 2020 12:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	19.9	15.4	23.2

