

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119044.D
 Acq On : 25 Feb 2020 2:23
 Operator : CG/JU
 Sample : L1635-12MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Manual Integrations
 APPROVED

mohammad
 2/25/2020 4:19:29 PM

Quant Time: Feb 25 03:40:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	166340	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	625116	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	336866	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	609402	20.00	ng	0.00
76) Chrysene-d12	13.91	240	386223	20.00	ng	0.00
87) Perylene-d12	15.33	264	380548	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1032058	103.69	ng	0.01
7) Phenol-d6	6.40	99	1248983	103.18	ng	0.00
23) Nitrobenzene-d5	7.32	82	828331	69.96	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	443375	100.61	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1616151	70.68	ng	0.00
79) Terphenyl-d14	12.85	244	1798499	80.17	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	166279	37.521	ng	98
3) Pyridine	3.27	79	425775	35.180	ng	100
4) n-Nitrosodimethylamine	3.20	42	167114	45.581	ng	94
6) Aniline	6.42	93	232873	15.590	ng	# 1
8) 2-Chlorophenol	6.55	128	512540	47.715	ng	97
9) Benzaldehyde	6.30	77	216707	26.795	ng	100
10) Phenol	6.42	94	580531	44.356	ng	96
11) bis(2-Chloroethyl)ether	6.49	93	458625	45.798	ng	99
12) 1,3-Dichlorobenzene	6.70	146	559222	43.436	ng	99
13) 1,4-Dichlorobenzene	6.77	146	565299	43.878	ng	99
14) 1,2-Dichlorobenzene	6.93	146	526203	44.784	ng	99
15) Benzyl Alcohol	6.90	79	417705	47.744	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.03	45	375365	43.271	ng	78
17) 2-Methylphenol	7.02	107	403557	46.339	ng	95
18) Hexachloroethane	7.26	117	201415	43.698	ng	95
19) n-Nitroso-di-n-propylamine	7.17	70	329503	46.713	ng	98
20) 3+4-Methylphenols	7.17	107	497493	46.627	ng	# 80
22) Acetophenone	7.17	105	657015	45.426	ng	97
24) Nitrobenzene	7.34	77	511517	43.690	ng	99
25) Isophorone	7.58	82	926231	45.047	ng	100
26) 2-Nitrophenol	7.66	139	285214	45.977	ng	97
27) 2,4-Dimethylphenol	7.70	122	414963	49.288	ng	96
28) bis(2-Chloroethoxy)methane	7.79	93	565401	42.247	ng	99
29) 2,4-Dichlorophenol	7.90	162	436887	44.080	ng	99
30) 1,2,4-Trichlorobenzene	7.98	180	494375	42.070	ng	99
31) Naphthalene	8.06	128	1423278	43.902	ng	99
32) Benzoic acid	7.85	122	287111	46.912	ng	97
33) 4-Chloroaniline	8.11	127	75115	5.387	ng	98
34) Hexachlorobutadiene	8.18	225	303705	41.491	ng	98
35) Caprolactam	8.49	113	123710m	40.536	ng	
36) 4-Chloro-3-methylphenol	8.61	107	449777	44.840	ng	96
37) 2-Methylnaphthalene	8.75	142	978217	44.837	ng	98
38) 1-Methylnaphthalene	8.85	142	910332	44.367	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	489085	43.062	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119044.D
 Acq On : 25 Feb 2020 2:23
 Operator : CG/JU
 Sample : L1635-12MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

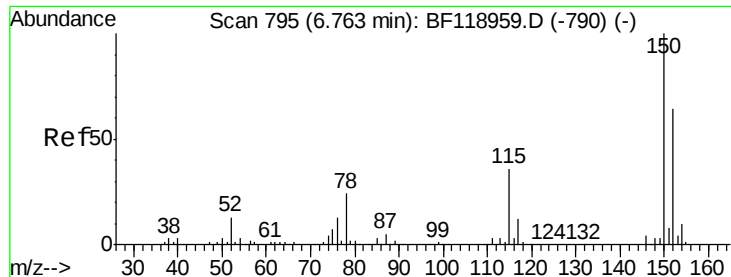
Manual Integrations
 APPROVED

mohammad
 2/25/2020 4:19:29 PM

Quant Time: Feb 25 03:40:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.90	237	314537	76.542	nq	95
43) 2,4,6-Trichlorophenol	9.03	196	322099	44.909	nq	99
44) 2,4,5-Trichlorophenol	9.08	196	338587	44.987	nq	94
46) 1,1'-Biphenyl	9.22	154	1179840	43.336	nq	99
47) 2-Chloronaphthalene	9.24	162	942688	42.967	nq	98
48) 2-Nitroaniline	9.34	65	253933	41.496	nq	94
49) Acenaphthylene	9.65	152	1436943	45.347	nq	100
50) Dimethylphthalate	9.52	163	1250069	48.529	nq	100
51) 2,6-Dinitrotoluene	9.58	165	258648	45.194	nq	99
52) Acenaphthene	9.83	154	842772	44.108	nq	100
53) 3-Nitroaniline	9.75	138	78593	12.387	nq	100
54) 2,4-Dinitrophenol	9.86	184	217911	78.498	nq	# 90
55) Dibenzofuran	10.00	168	1259489	44.163	nq	99
56) 4-Nitrophenol	9.93	139	327504	85.914	nq	99
57) 2,4-Dinitrotoluene	9.99	165	323046	43.548	nq	# 91
58) Fluorene	10.34	166	991810	44.755	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.12	232	278346	43.829	nq	100
60) Diethylphthalate	10.22	149	1088379	44.835	nq	99
61) 4-Chlorophenyl-phenylether	10.33	204	522498	44.543	nq	97
62) 4-Nitroaniline	10.36	138	229148	35.301	nq	99
63) Azobenzene	10.49	77	956570	45.334	nq	97
65) 4,6-Dinitro-2-methylphenol	10.40	198	178253	48.339	nq	95
66) n-Nitrosodiphenylamine	10.45	169	898784	45.043	nq	100
67) 4-Bromophenyl-phenylether	10.82	248	351465	44.122	nq	97
68) Hexachlorobenzene	10.89	284	392665	42.755	nq	96
69) Atrazine	10.98	200	320700	46.000	nq	100
70) Pentachlorophenol	11.09	266	346189	93.576	nq	99
71) Phenanthrene	11.30	178	1448970	43.599	nq	99
72) Anthracene	11.35	178	1509320	45.453	nq	100
73) Carbazole	11.50	167	1272925	43.030	nq	99
74) Di-n-butylphthalate	11.83	149	1637267	45.702	nq	99
75) Fluoranthene	12.49	202	1448701	41.067	nq	99
77) Benzidine	12.60	184	404366	25.744	nq	97
78) Pyrene	12.71	202	1425680	45.970	nq	100
80) Butylbenzylphthalate	13.33	149	633230	48.514	nq	95
81) Benzo(a)anthracene	13.90	228	1115693	42.396	nq	99
82) 3,3'-Dichlorobenzidine	13.86	252	240944	23.579	nq	99
83) Chrysene	13.93	228	1110189	42.339	nq	99
84) Bis(2-ethylhexyl)phthalate	13.89	149	859631	52.130	nq	99
85) Di-n-octyl phthalate	14.50	149	1339737	50.992	nq	100
86) Indeno(1,2,3-cd)pyrene	16.75	276	1271561	50.082	nq	98
88) Benzo(b)fluoranthene	14.93	252	1049107	41.824	nq	99
89) Benzo(k)fluoranthene	14.96	252	1088226	46.814	nq	99
90) Benzo(a)pyrene	15.28	252	978437	43.220	nq	99
91) Dibenzo(a,h)anthracene	16.76	278	1059803	53.205	nq	98
92) Benzo(g,h,i)perylene	17.17	276	1100913	55.937	nq	98

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



#1

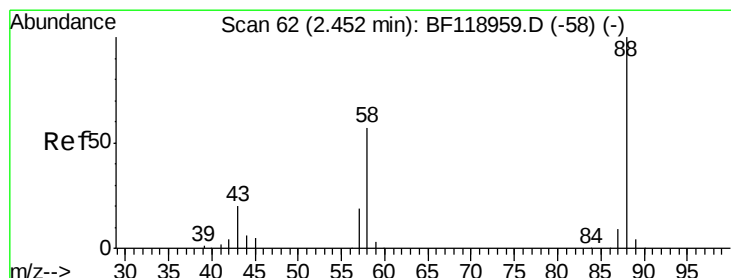
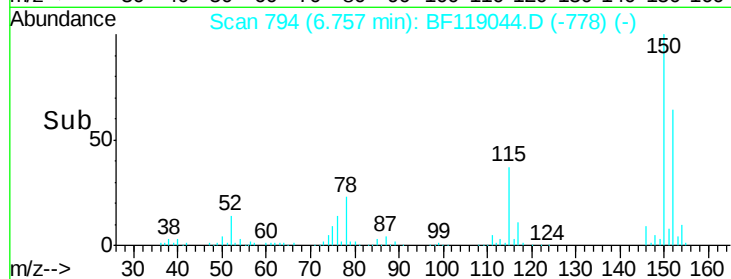
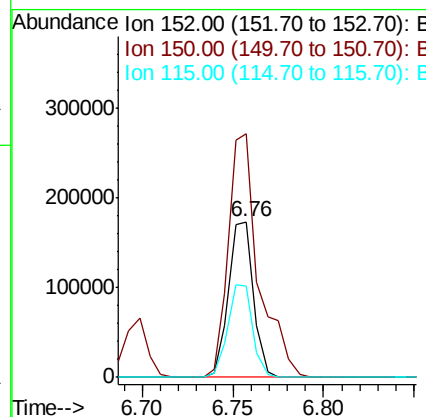
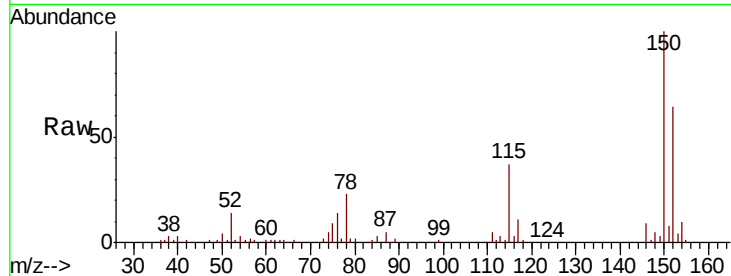
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.3	186.5
115	58.4	44.6	67.0

Manual Integrations
APPROVED

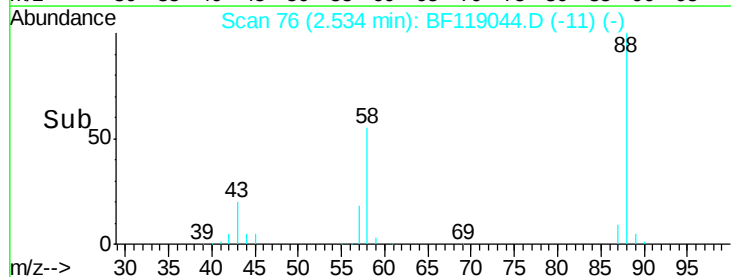
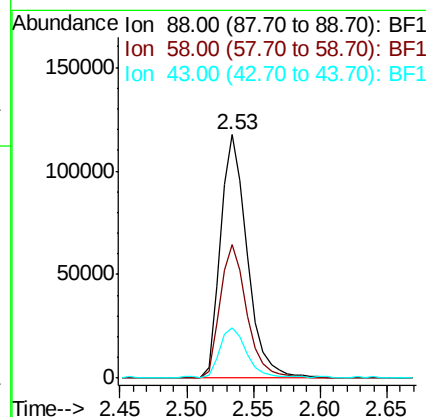
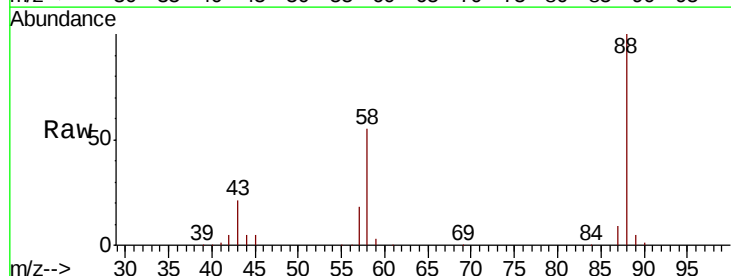
mohammad
2/25/2020 4:19:29 PM



#2

1,4-Dioxane
Concen: 37.521 ng
RT: 2.53 min Scan# 76
Delta R.T. 0.08 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.2	44.6	66.8
43	22.2	16.0	24.0





#3

Pvridine

Concen: 35.180 ng

RT: 3.27 min Scan# 201

Delta R.T. 0.09 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

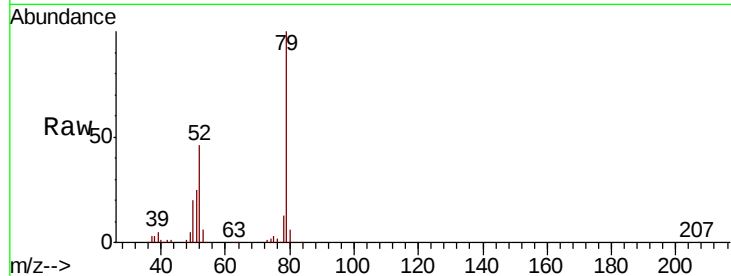
ClientSampleId :

LIED-TS001-01MS

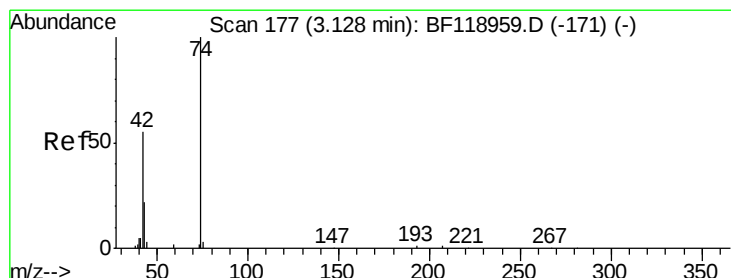
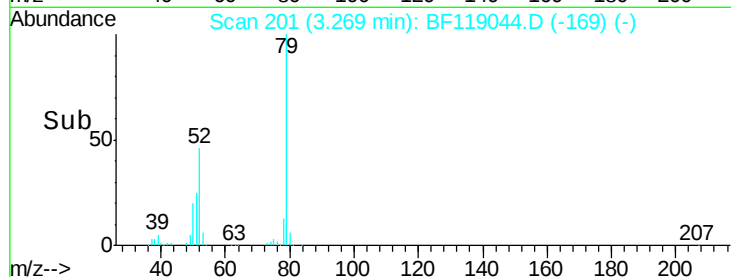
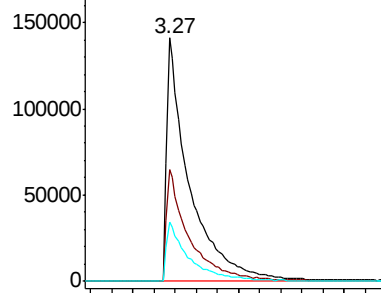
Tot Ion:	79	Resp:	425775
Ion Ratio	Lower	Upper	
79	100		
52	45.7	36.3	54.5
51	24.6	19.5	29.3

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 45.581 ng

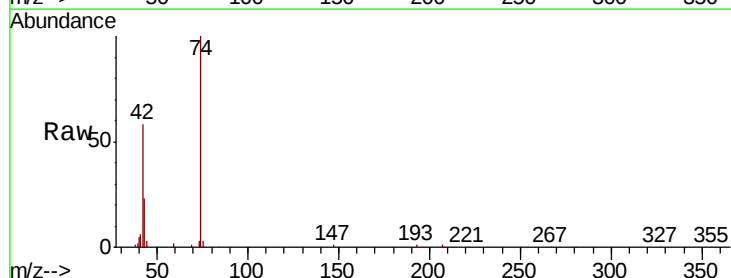
RT: 3.20 min Scan# 190

Delta R.T. 0.08 min

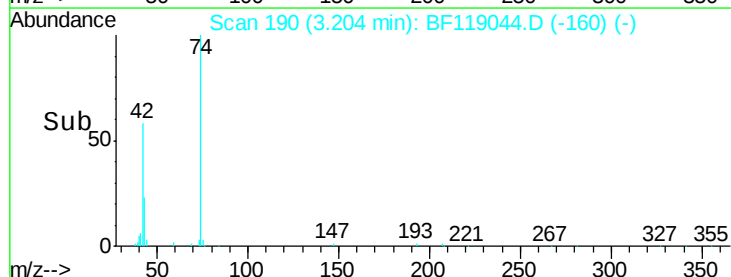
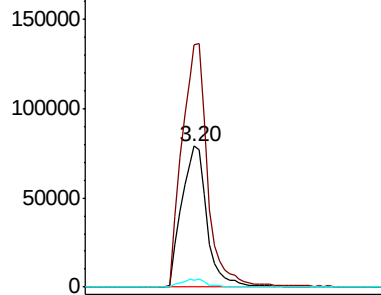
Lab File: BF119044.D

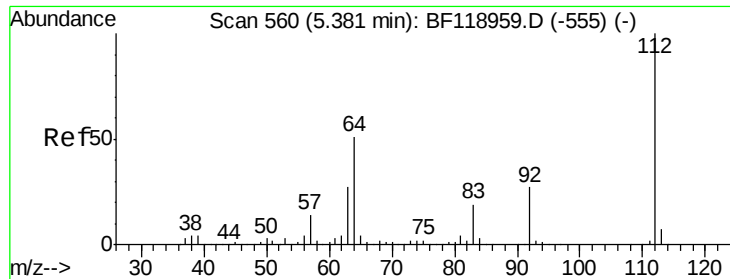
Acq: 25 Feb 2020 2:23

Tgt Ion:	42	Resp:	167114
Ion Ratio	Lower	Upper	
42	100		
74	171.7	144.4	216.6
44	5.1	4.5	6.7



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 103.688 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 112 Resp: 1032058

Ion Ratio Lower Upper

112 100

64 52.6 40.4 60.6

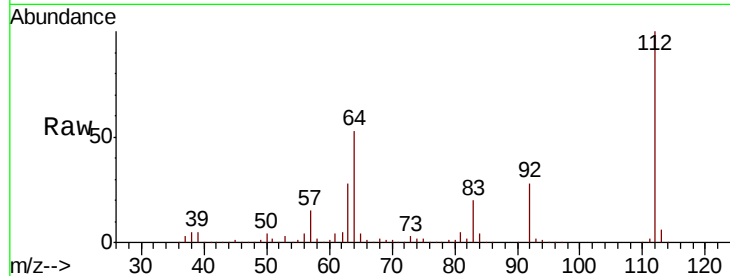
63 27.9 21.3 31.9

Manual Integrations

APPROVED

mohammad

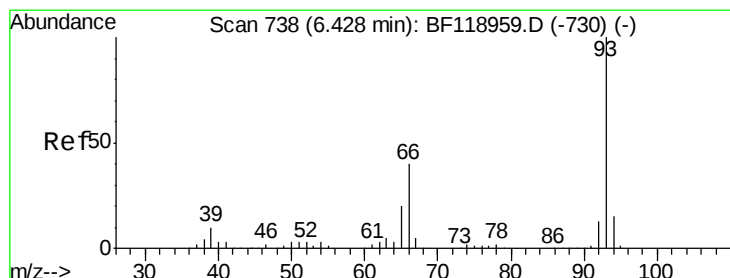
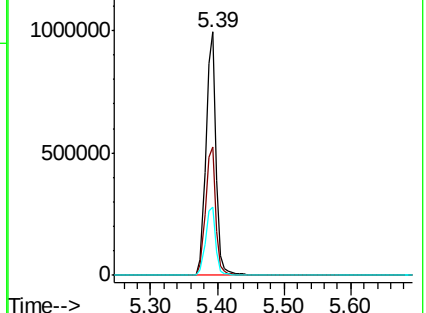
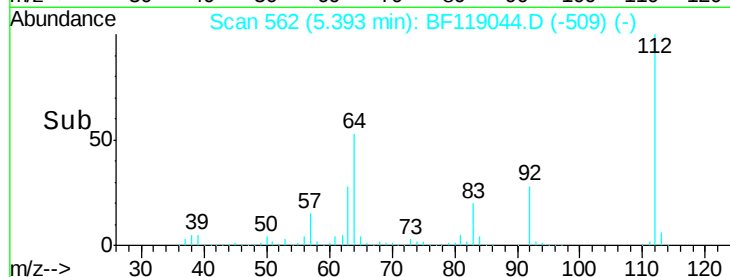
2/25/2020 4:19:29 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 15.590 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

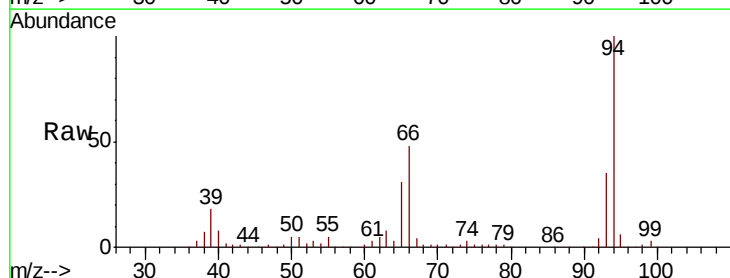
Tgt Ion: 93 Resp: 232873

Ion Ratio Lower Upper

93 100

66 136.7 32.2 48.2#

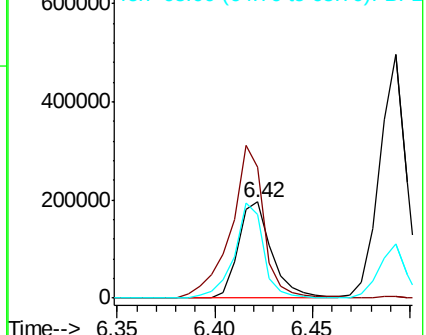
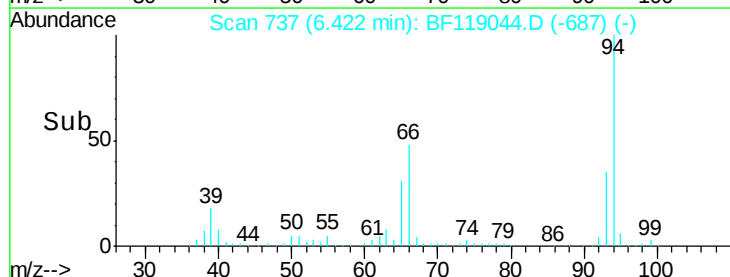
65 87.5 16.1 24.1#

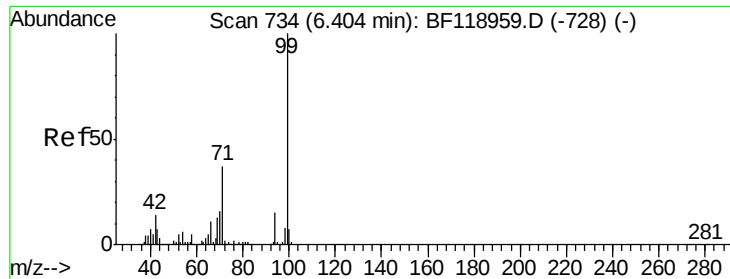


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 103.177 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion: 99 Resp: 1248983

Ion Ratio Lower Upper

99 100

42 14.8 11.4 17.0

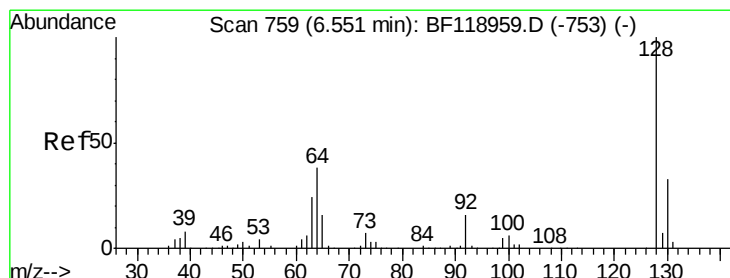
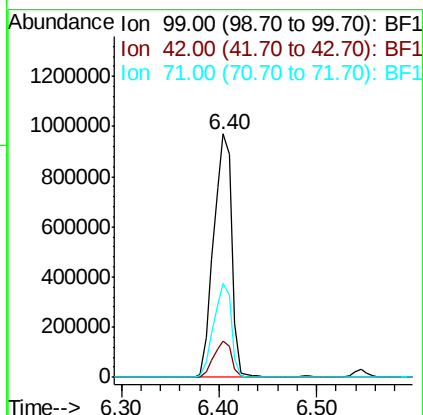
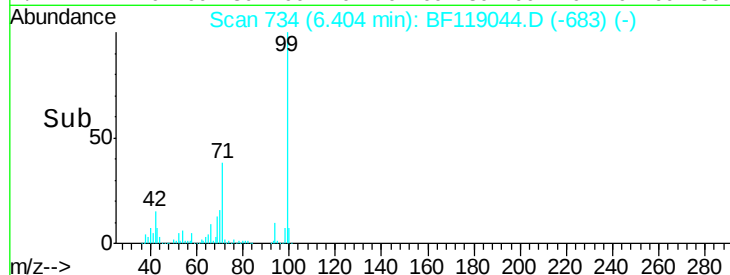
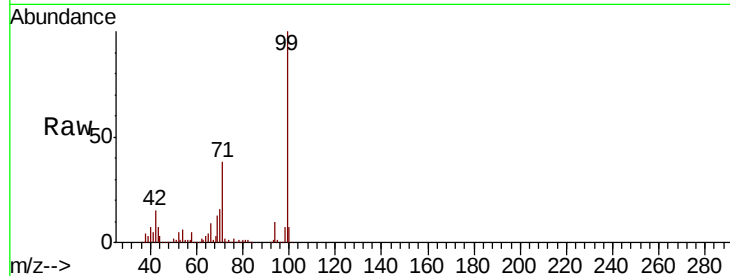
71 38.4 29.8 44.6

Manual Integrations

APPROVED

mohammad

2/25/2020 4:19:29 PM



#8

2-Chlorophenol

Concen: 47.715 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

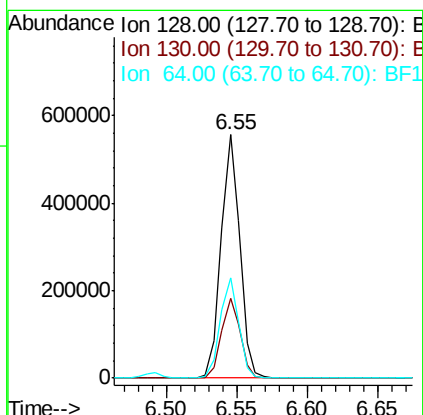
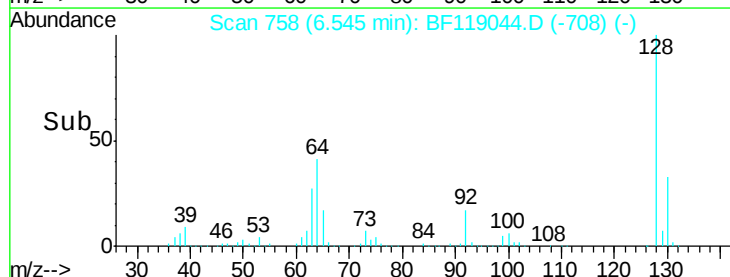
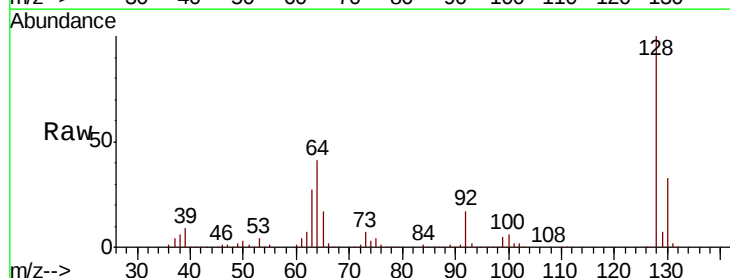
Tgt Ion: 128 Resp: 512540

Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 41.4 18.7 58.7





#9

Benzaldehyde

Concen: 26.795 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

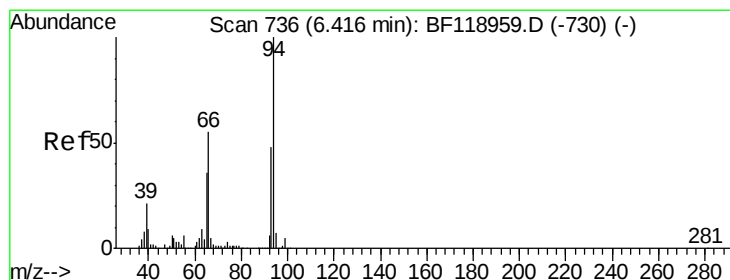
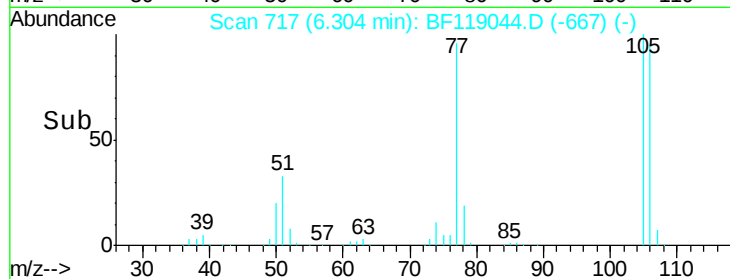
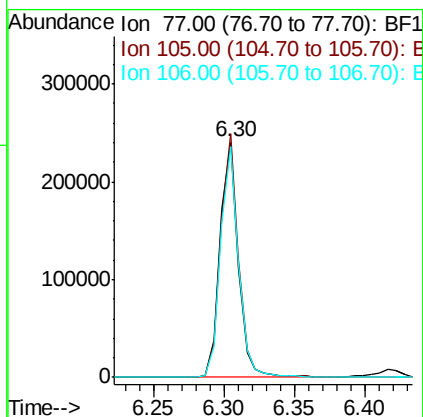
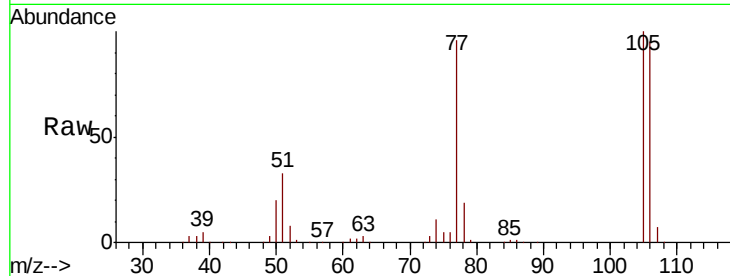
ClientSampleId :

LIED-TS001-01MS

Tot Ion:	77	Resp:	216707
Ion Ratio	Lower	Upper	
77	100		
105	103.8	83.0	123.0
106	98.5	78.3	118.3

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



#10

Phenol

Concen: 44.356 ng

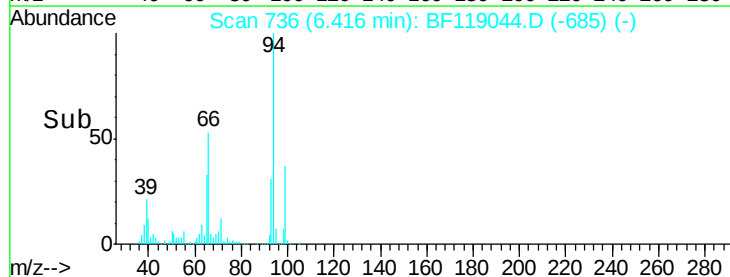
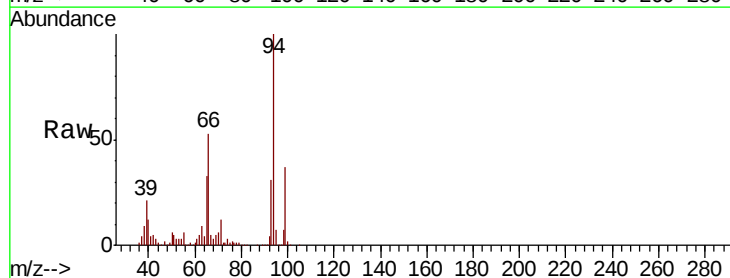
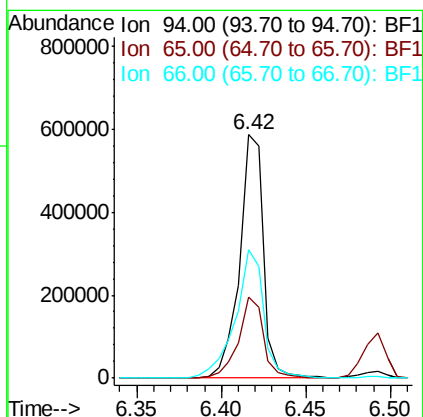
RT: 6.42 min Scan# 736

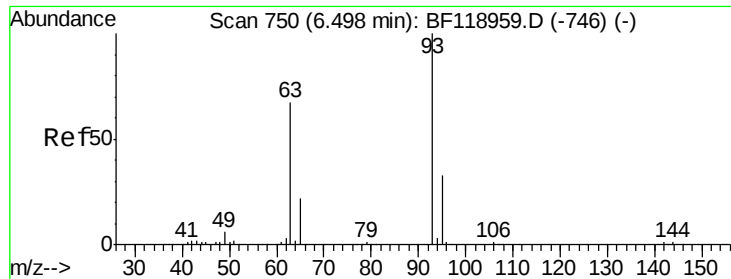
Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:	94	Resp:	580531
Ion Ratio	Lower	Upper	
94	100		
65	33.2	15.5	55.5
66	52.9	35.6	75.6





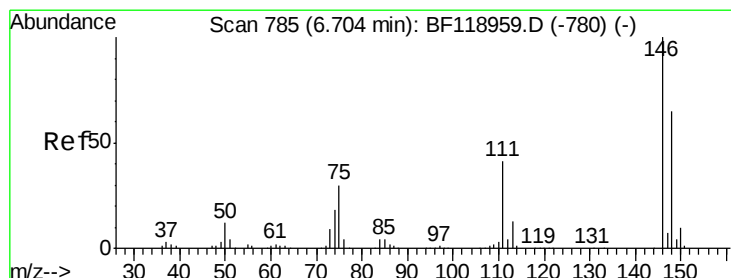
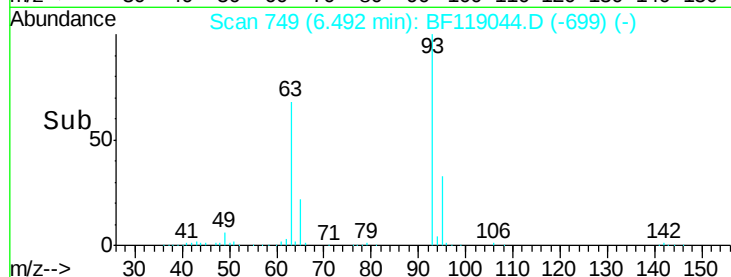
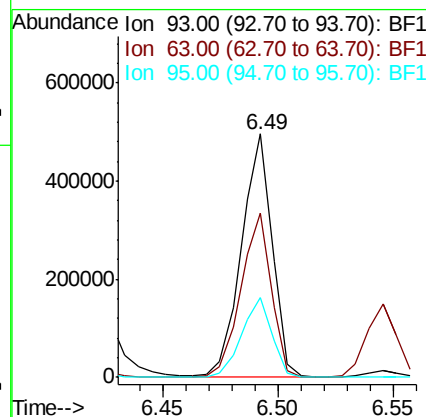
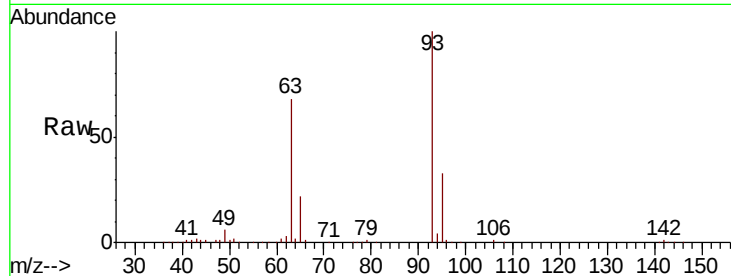
#11
bis(2-Chloroethyl)ether
Concen: 45.798 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	458625		
63	67.5	46.8	86.8	
95	32.8	12.7	52.7	

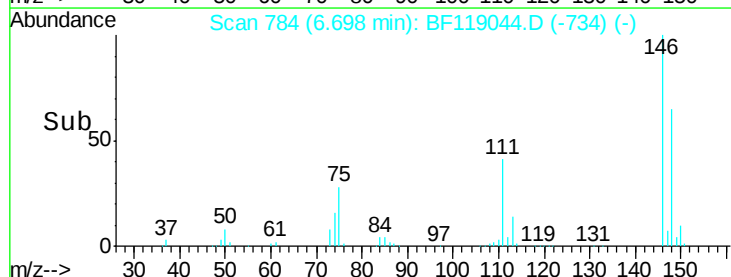
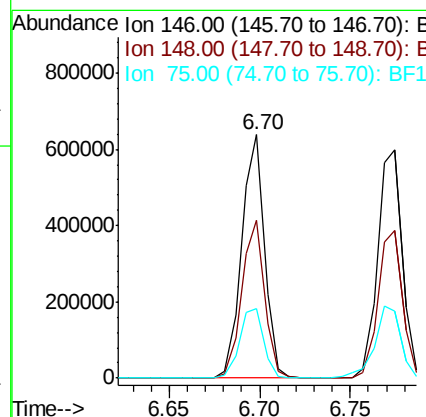
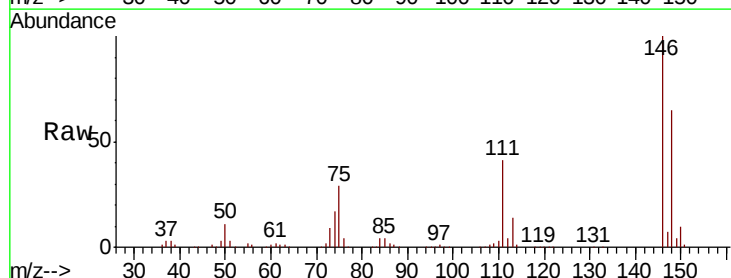
Manual Integrations
APPROVED

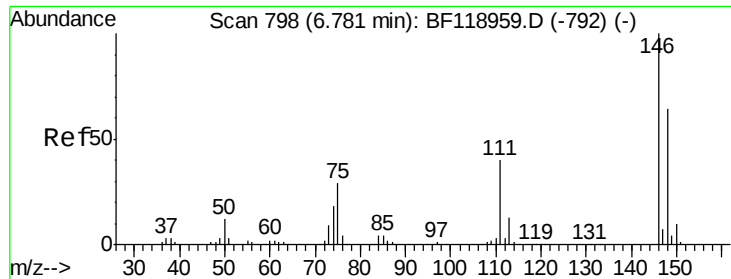
mohammad
2/25/2020 4:19:29 PM



#12
1,3-Dichlorobenzene
Concen: 43.436 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	559222		
148	65.1	51.7	77.5	
75	28.8	23.6	35.4	





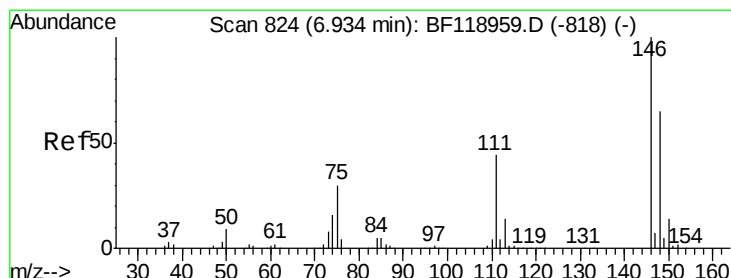
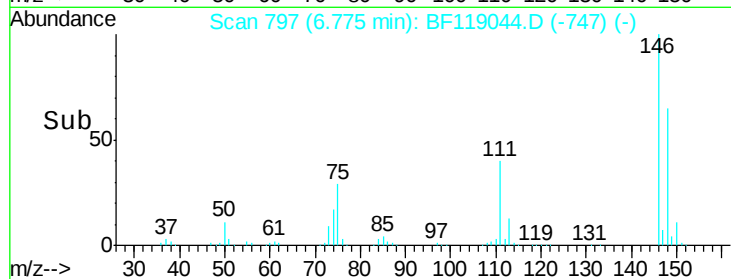
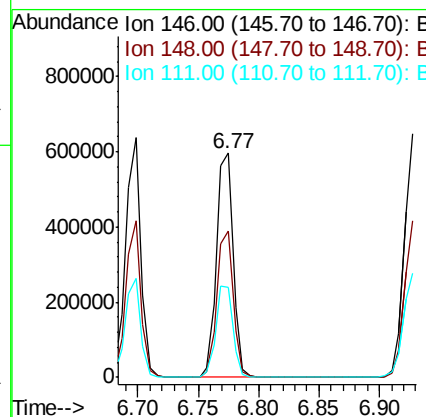
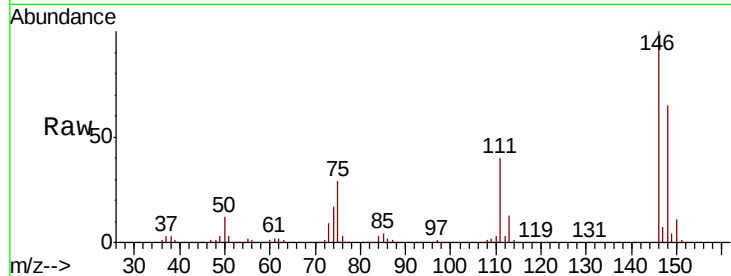
#13
 1,4-Dichlorobenzene
 Concen: 43.878 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.4	77.2
111	40.3	31.9	47.9

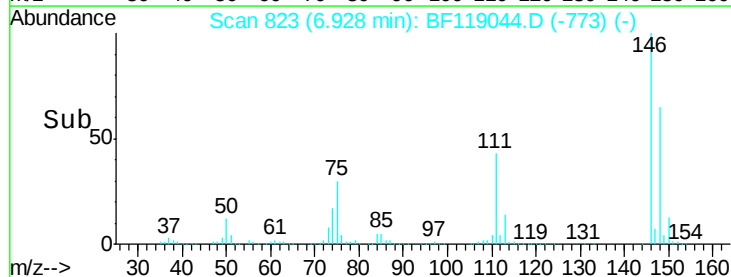
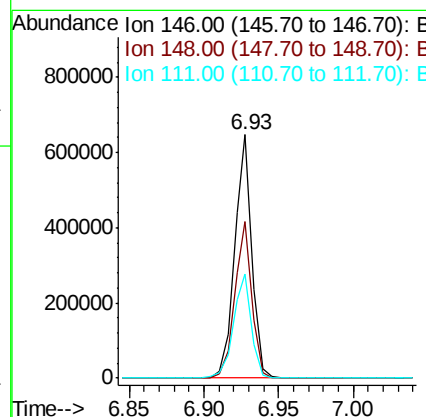
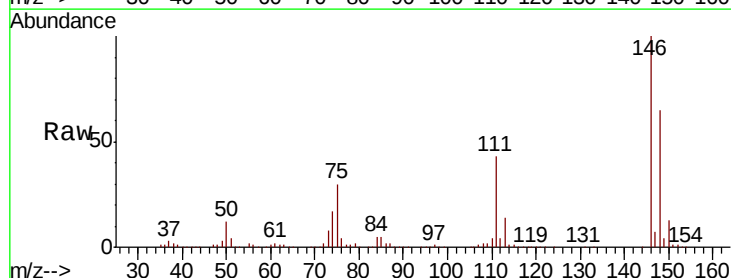
Manual Integrations
 APPROVED

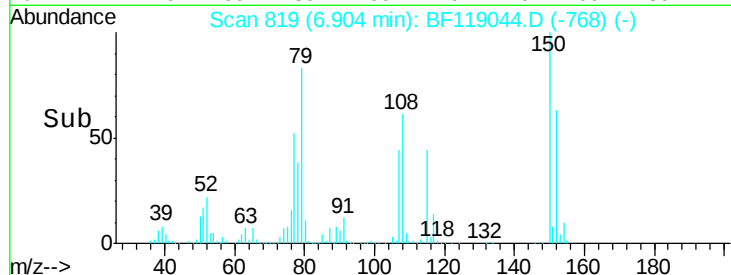
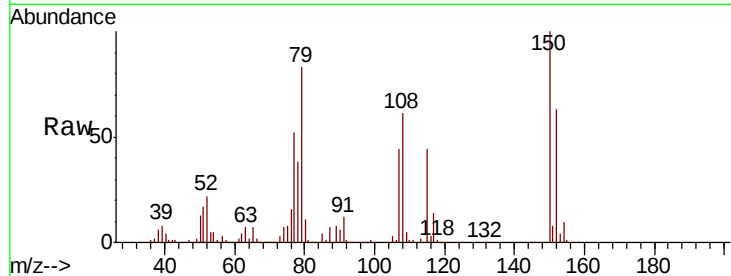
mohammad
 2/25/2020 4:19:29 PM



#14
 1,2-Dichlorobenzene
 Concen: 44.784 ng
 RT: 6.93 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.1	78.1
111	42.8	35.5	53.3





#15

Benzyl Alcohol

Concen: 47.744 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tot Ion:	79	Resp:	417705
Ion Ratio	Lower	Upper	
79	100		
108	73.3	61.1	91.7
77	62.8	50.2	75.2

Instrument :

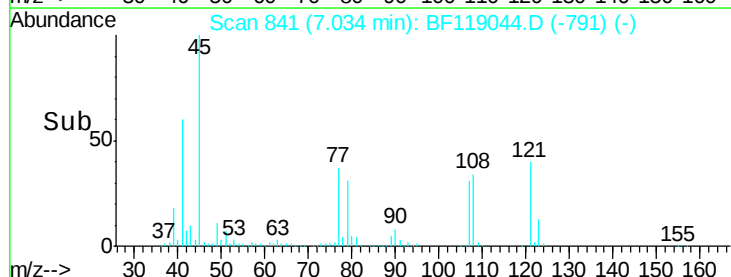
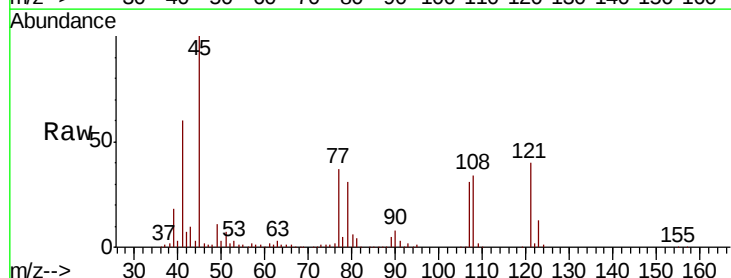
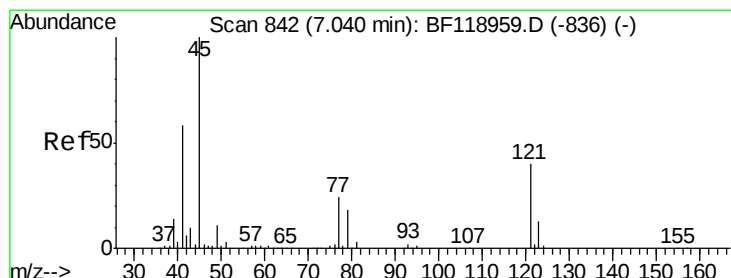
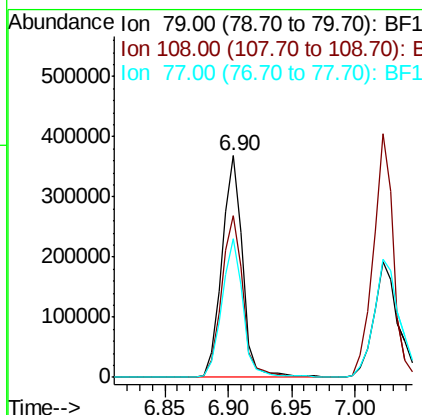
BNA_F

ClientSampleId :

LIED-TS001-01MS

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.271 ng

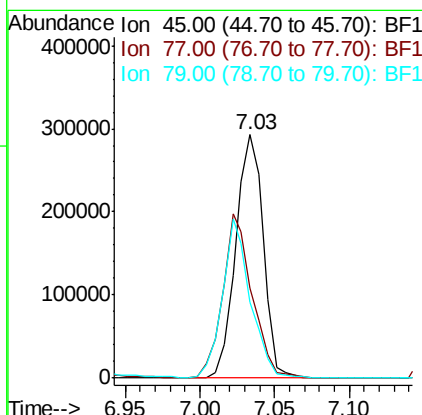
RT: 7.03 min Scan# 841

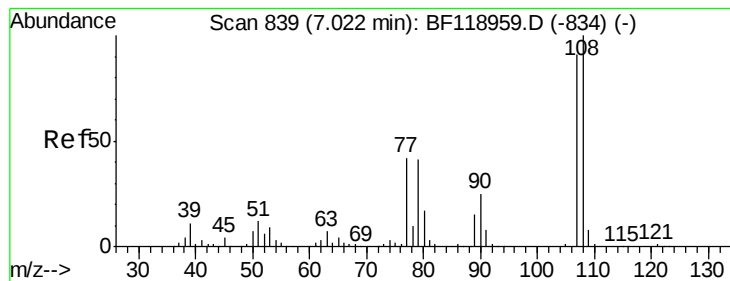
Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:	45	Resp:	375365
Ion Ratio	Lower	Upper	
45	100		
77	37.2	6.1	46.1
79	31.0	0.5	40.5





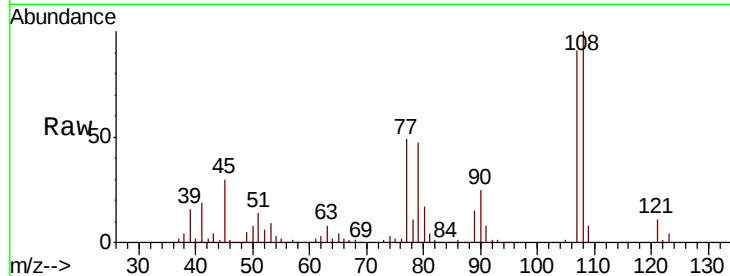
#17
2-Methylphenol
Concen: 46.339 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

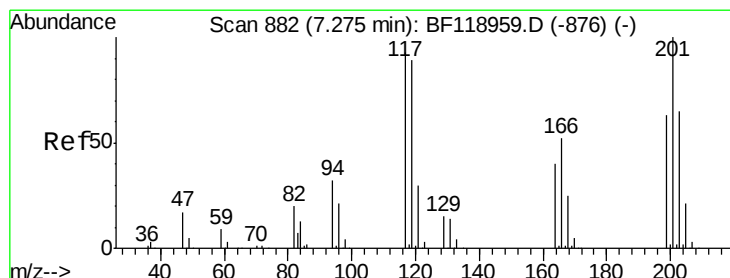
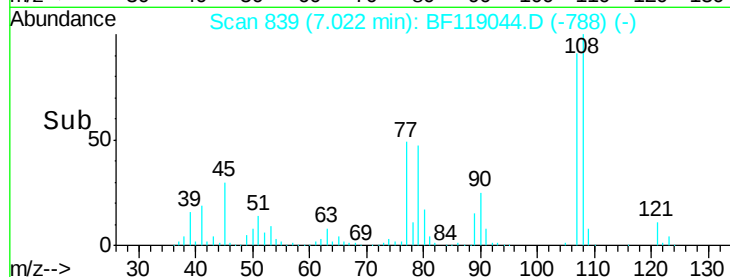
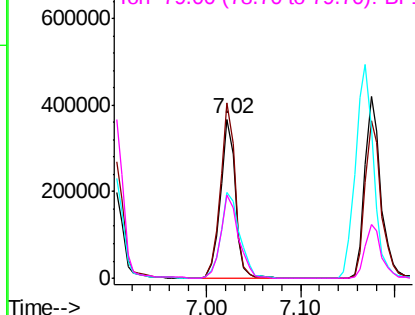
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.9	87.7	131.5	
77	53.5	36.8	55.2	
79	52.0	36.4	54.6	

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM

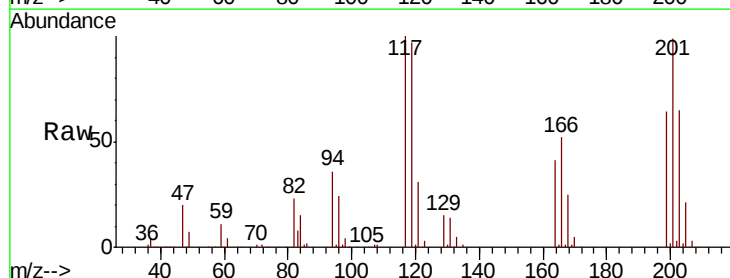


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

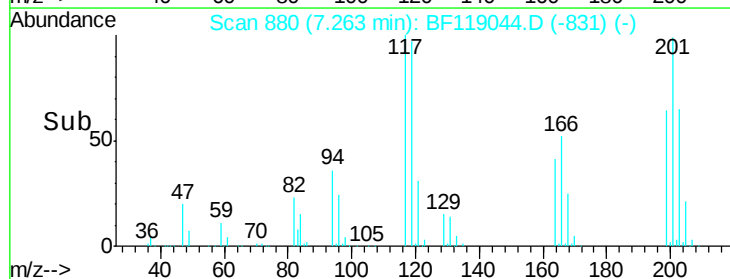
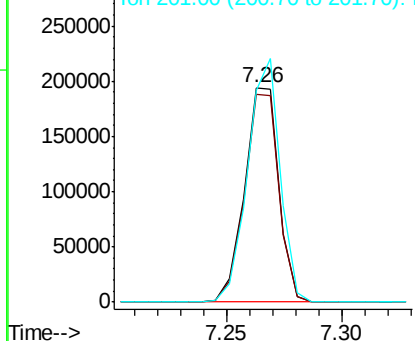


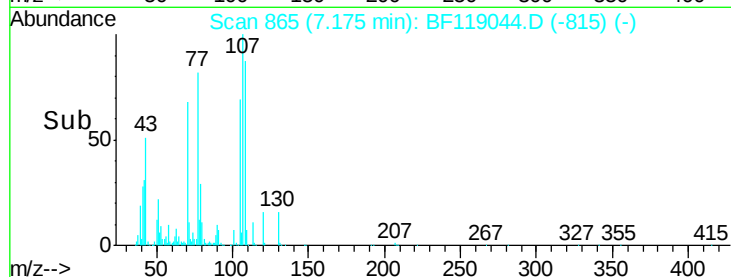
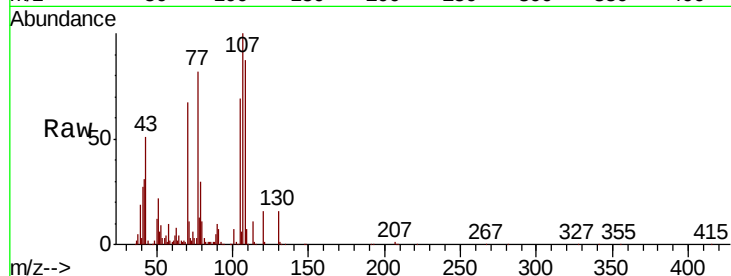
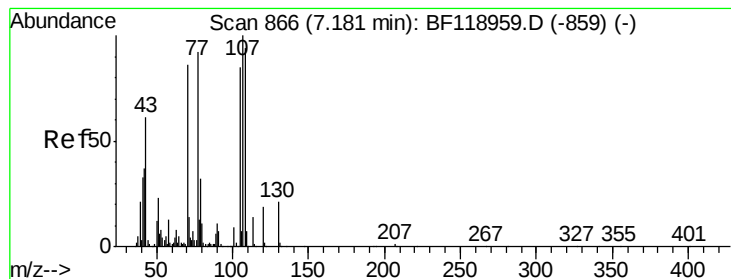
#18
Hexachloroethane
Concen: 43.698 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	77.0	115.6	
201	98.6	86.4	129.6	



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





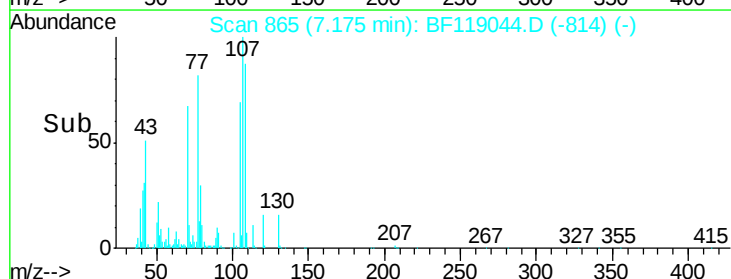
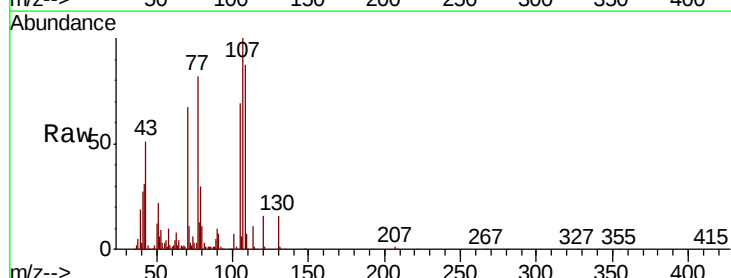
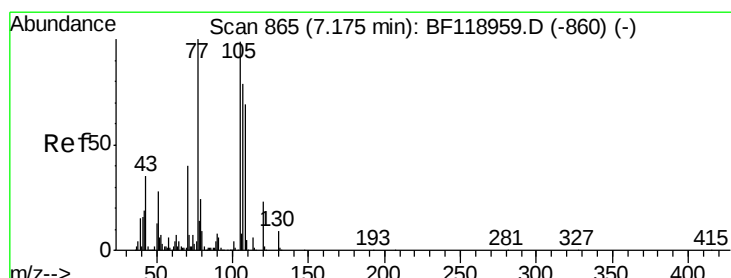
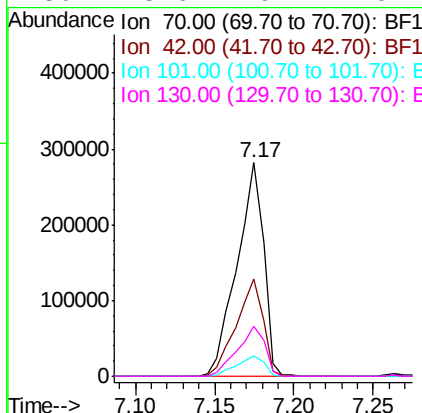
#19
n-Nitroso-di-n-propylamine
Concen: 46.713 ng
RT: 7.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	45.5	34.6	51.8
101	9.8	8.1	12.1
130	23.6	19.4	29.2

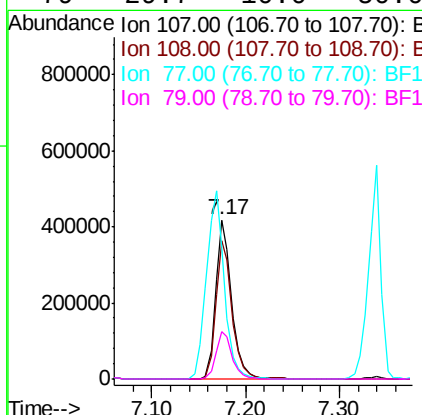
Manual Integrations
APPROVED

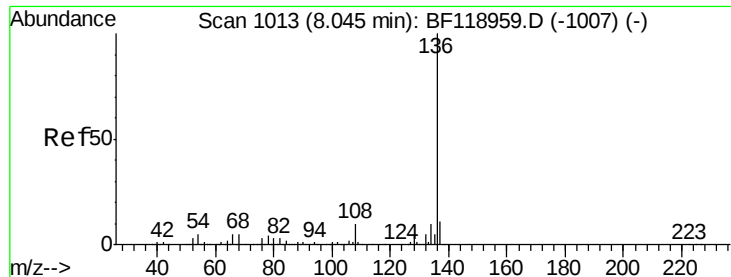
mohammad
2/25/2020 4:19:29 PM



#20
3+4-Methylphenols
Concen: 46.627 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.1	67.0	107.0
77	82.4	106.2	146.2#
79	29.7	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

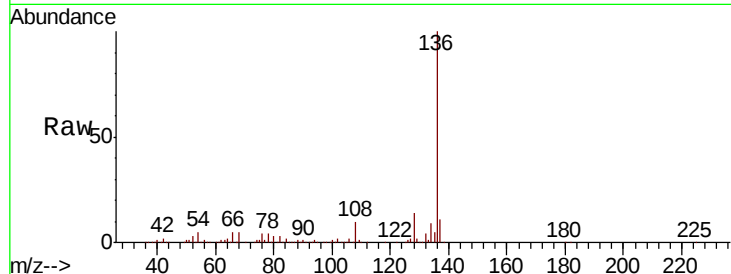
ClientSampleId :

LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	625116		
137	10.9	8.9	13.3	
54	4.7	3.8	5.6	
68	4.9	4.2	6.2	

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



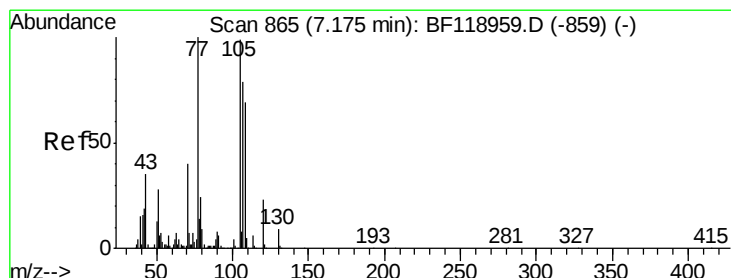
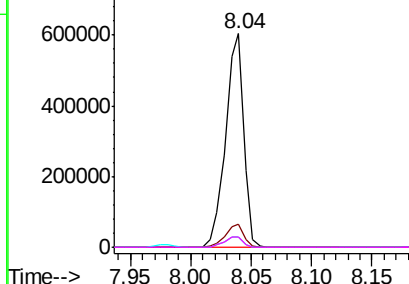
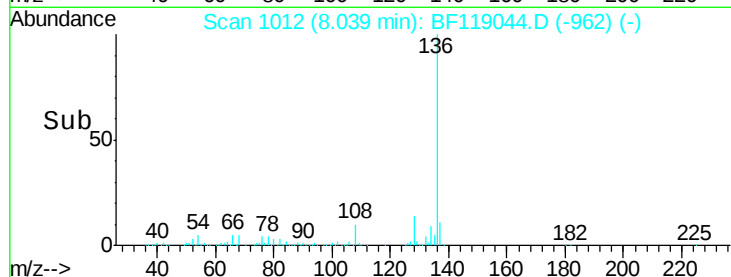
Abundance

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: 45.426 ng

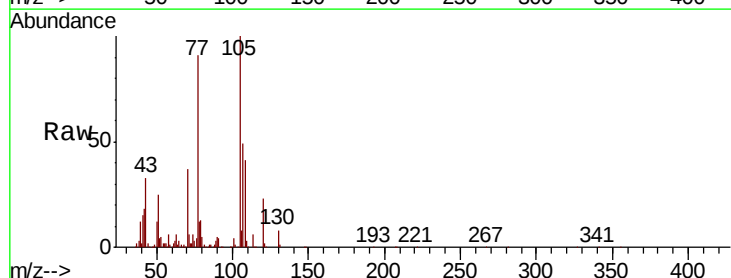
RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	657015		
71	6.2	5.4	8.0	
51	25.1	22.5	33.7	
120	23.0	18.4	27.6	



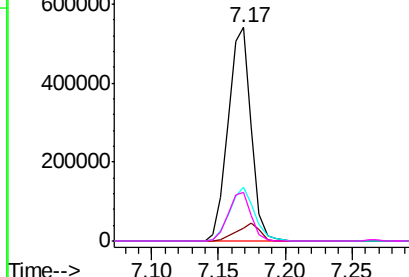
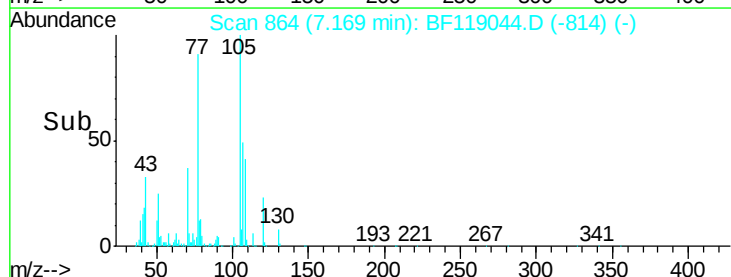
Abundance

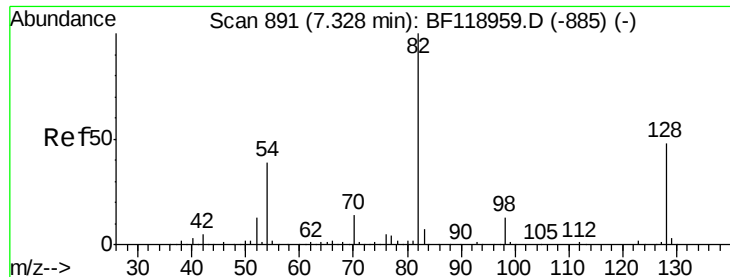
Ion 105.00 (104.70 to 105.70): E

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





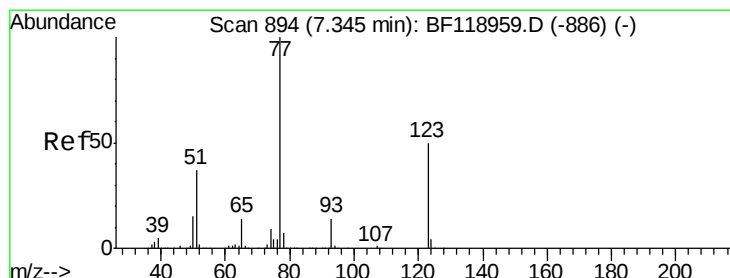
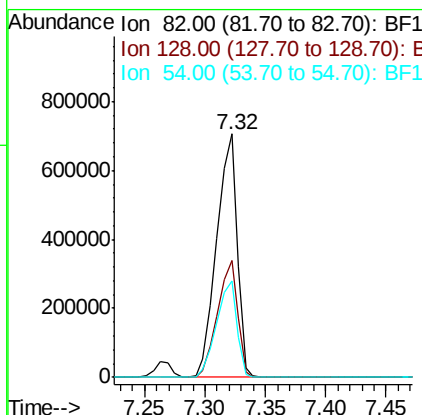
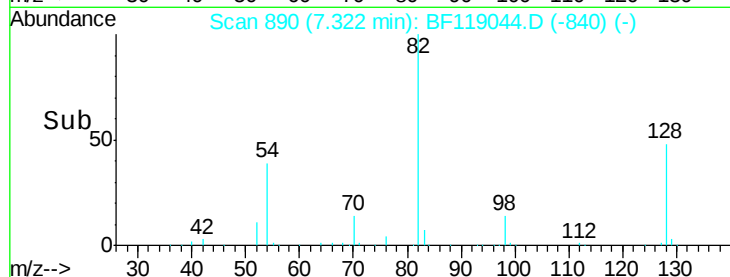
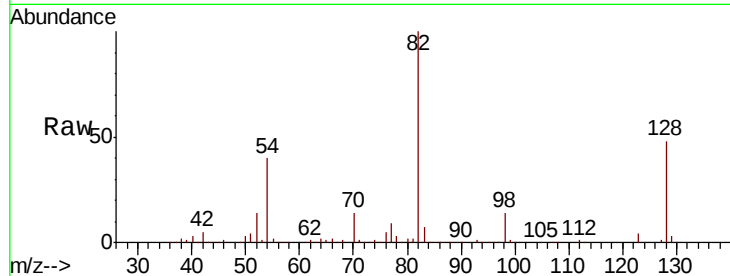
#23
 Nitrobenzene-d5
 Concen: 69.964 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	828331		
128	47.8		38.2	57.2
54	39.8		31.3	46.9

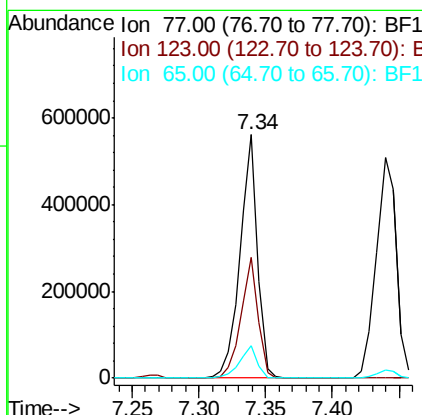
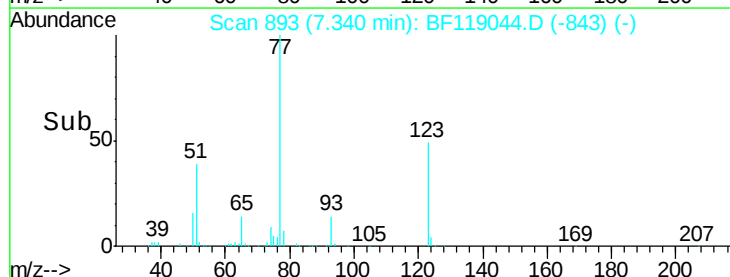
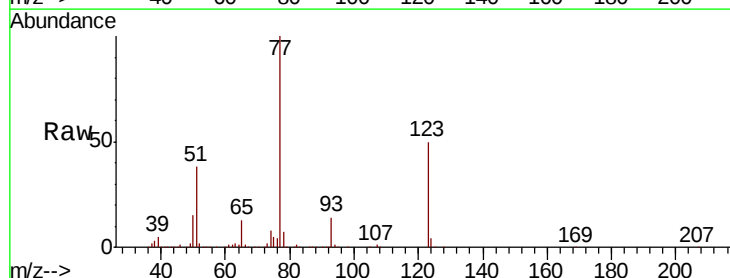
Manual Integrations
 APPROVED

mohammad
 2/25/2020 4:19:29 PM



#24
 Nitrobenzene
 Concen: 43.690 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	511517		
123	49.6		40.1	60.1
65	13.3		10.9	16.3





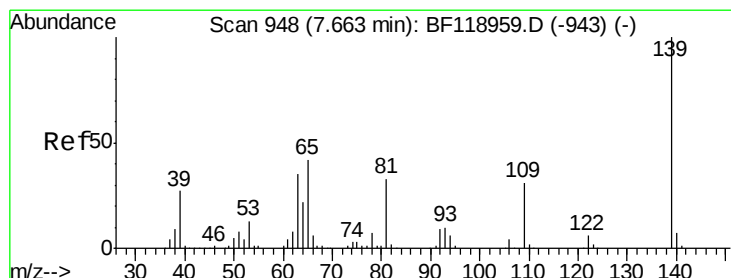
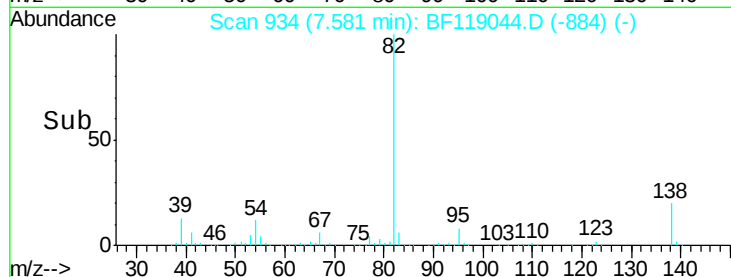
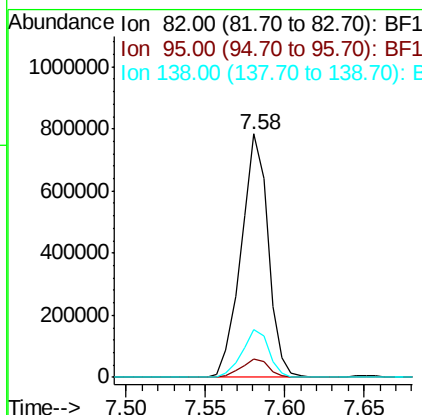
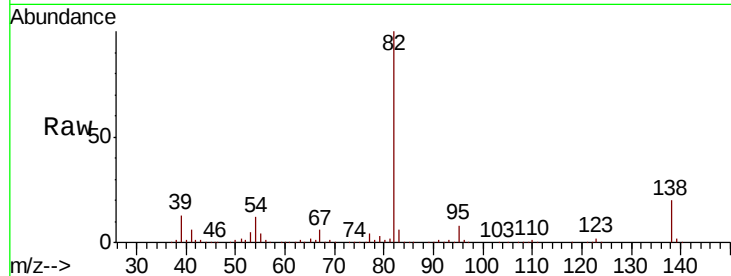
#25
Isophorone
Concen: 45.047 ng
RT: 7.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.1	9.1
138	19.6	15.8	23.6

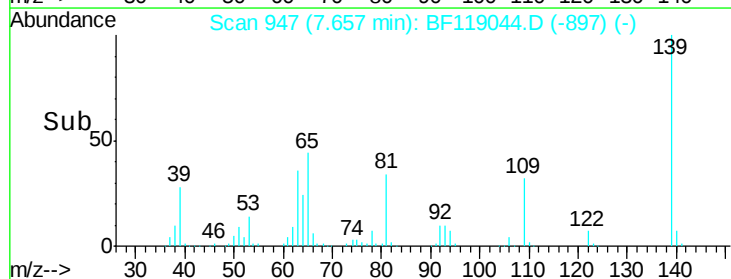
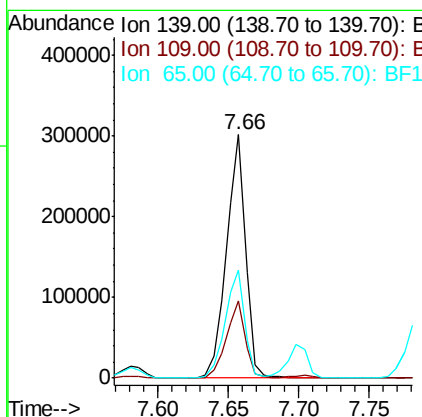
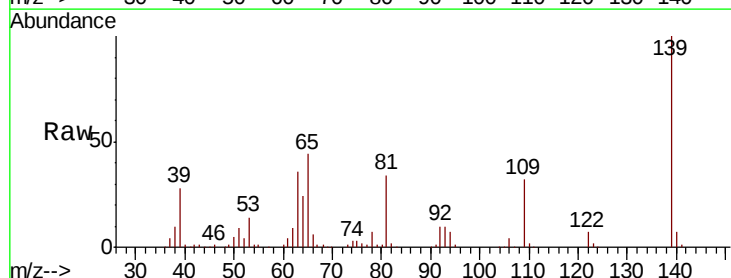
Manual Integrations
APPROVED

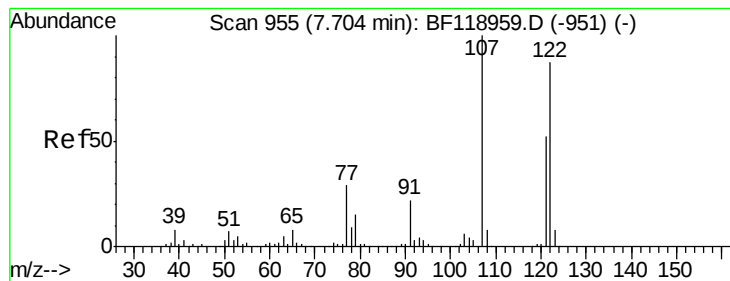
mohammad
2/25/2020 4:19:29 PM



#26
2-Nitrophenol
Concen: 45.977 ng
RT: 7.66 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	31.5	24.6	36.8
65	44.3	33.6	50.4





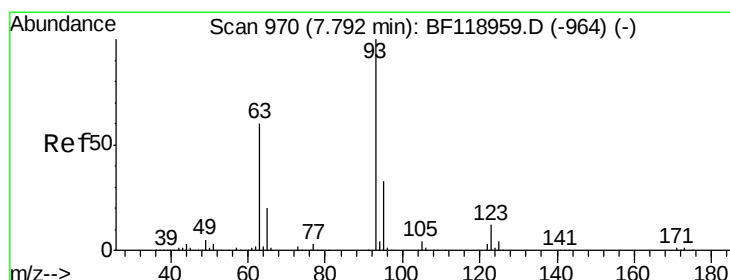
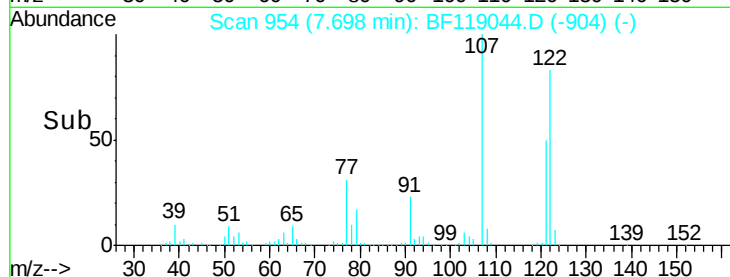
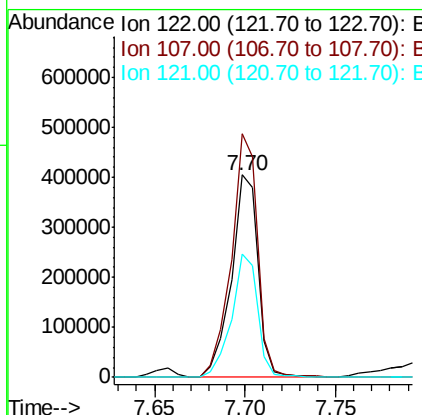
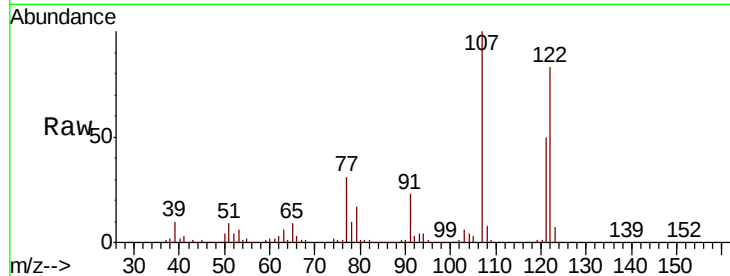
#27
2,4-Dimethylphenol
Concen: 49.288 ng
RT: 7.70 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.3	91.8	137.8
121	60.7	47.4	71.0

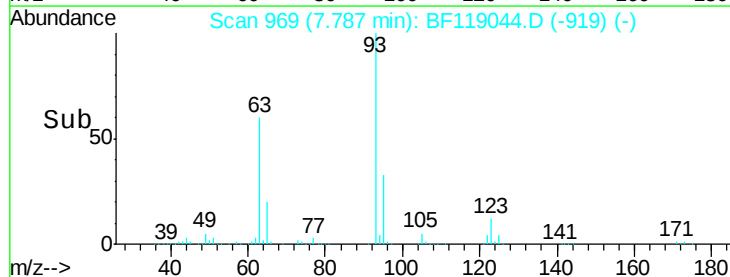
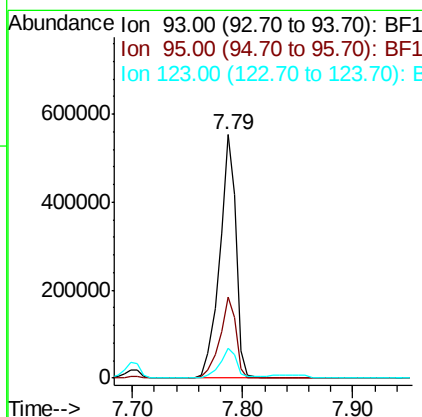
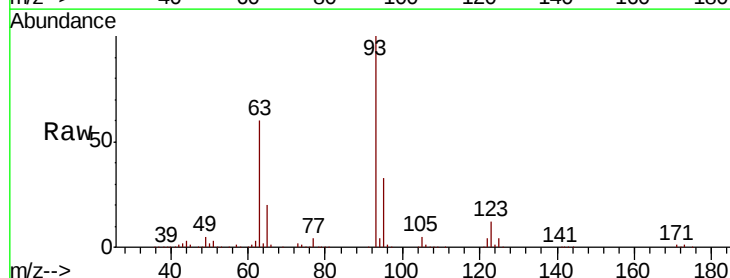
Manual Integrations
APPROVED

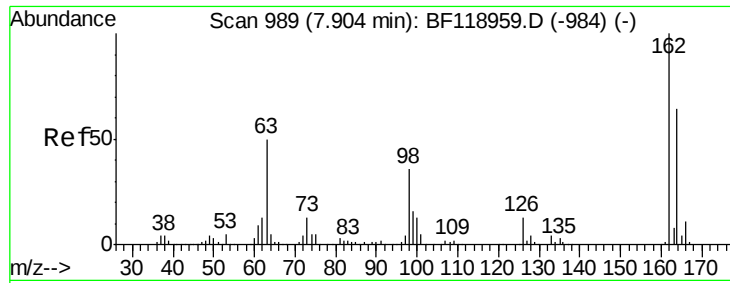
mohammad
2/25/2020 4:19:29 PM



#28
bis(2-Chloroethoxy)methane
Concen: 42.247 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.3	39.5
123	12.3	9.8	14.8





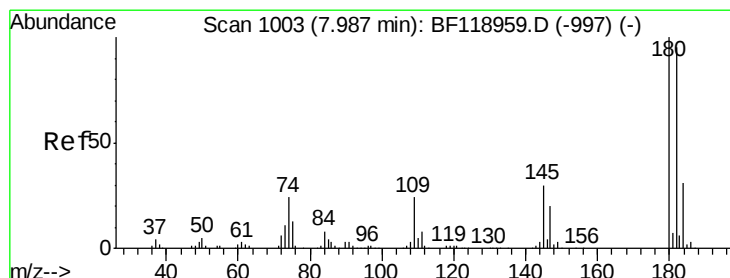
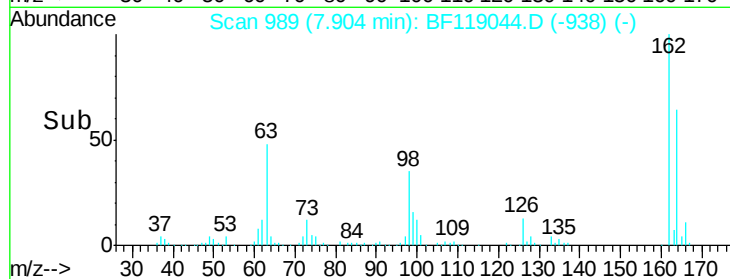
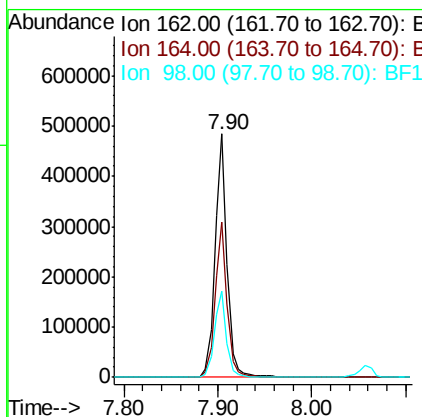
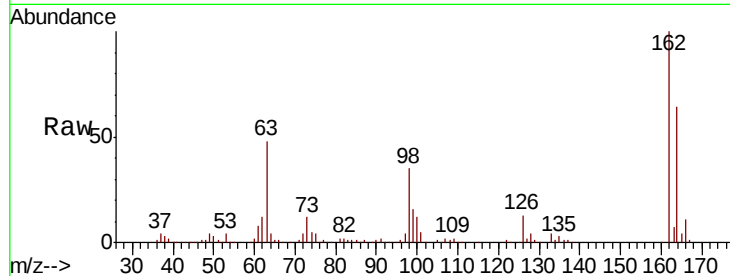
#29
2,4-Dichlorophenol
Concen: 44.080 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.9	44.1	84.1
98	35.4	16.4	56.4

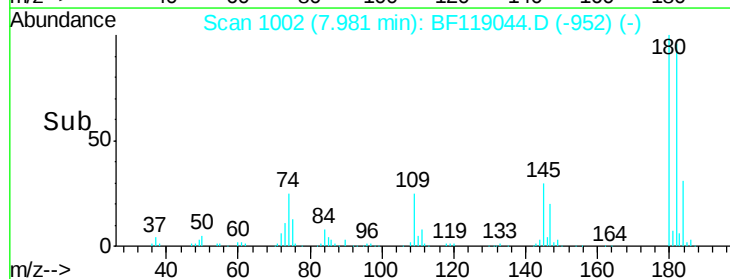
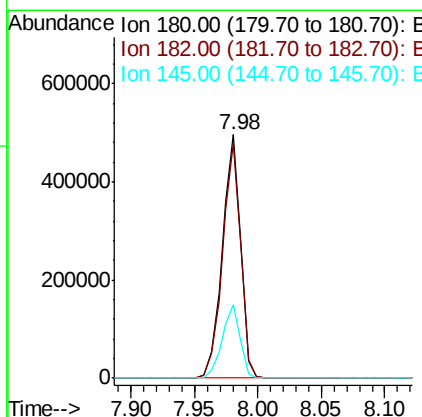
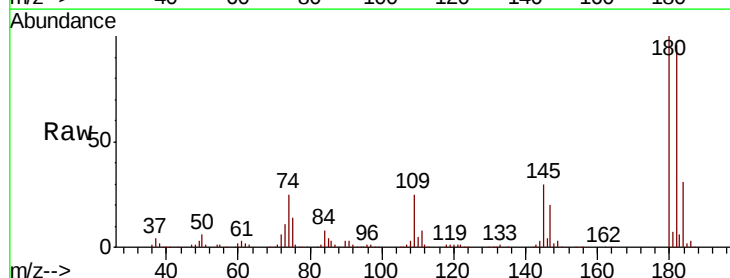
Manual Integrations
APPROVED

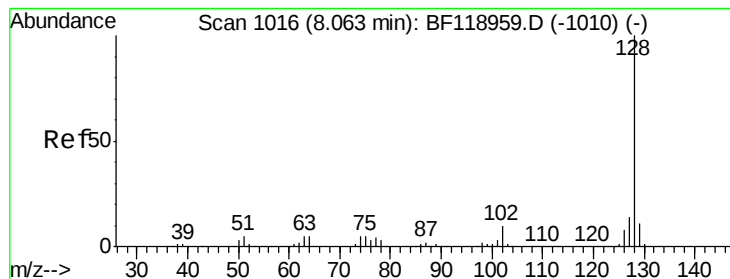
mohammad
2/25/2020 4:19:29 PM



#30
1,2,4-Trichlorobenzene
Concen: 42.070 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.5	75.8	113.8
145	30.2	24.2	36.2





#31

Naphthalene

Concen: 43.902 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion:128 Resp: 1423278

Ion Ratio Lower Upper

128 100

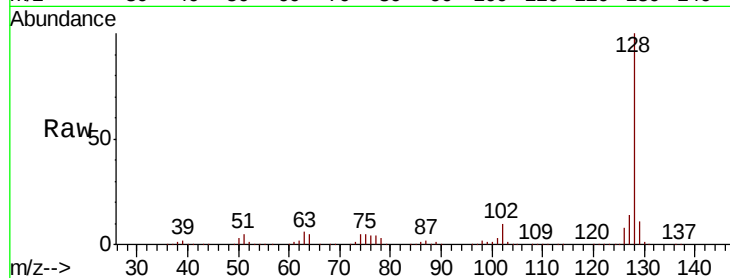
129 11.5 9.0 13.4

127 13.9 10.9 16.3

Manual Integrations
APPROVED

mohammad

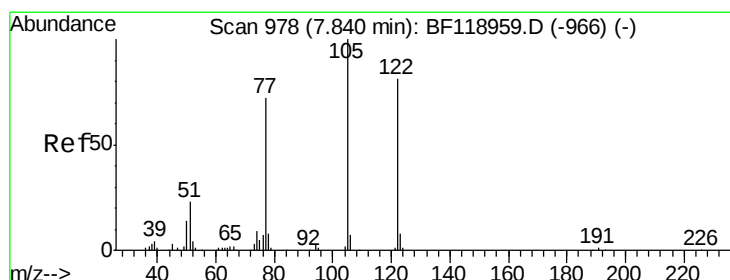
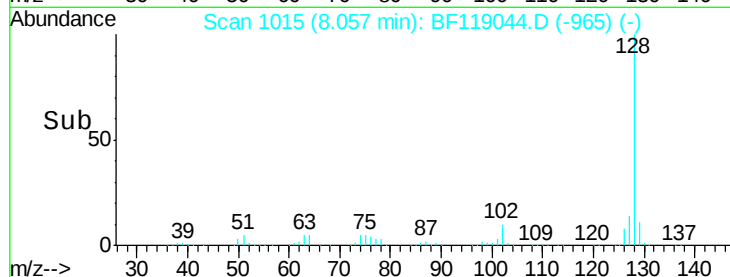
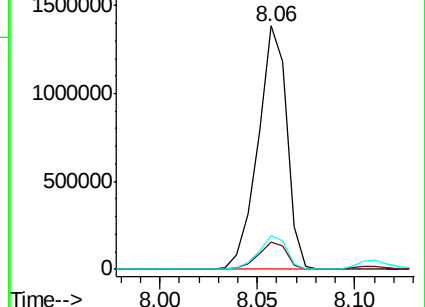
2/25/2020 4:19:29 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.912 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

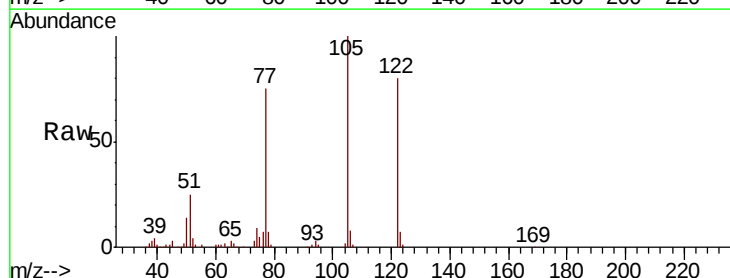
Tgt Ion:122 Resp: 287111

Ion Ratio Lower Upper

122 100

105 124.4 102.2 142.2

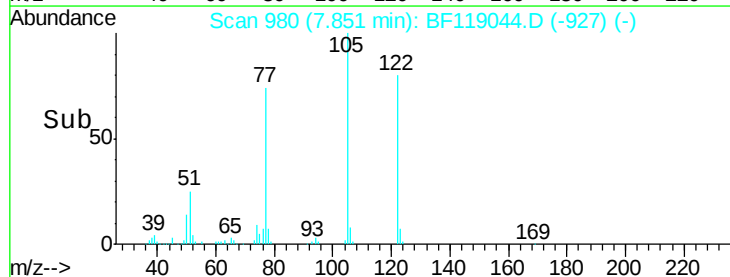
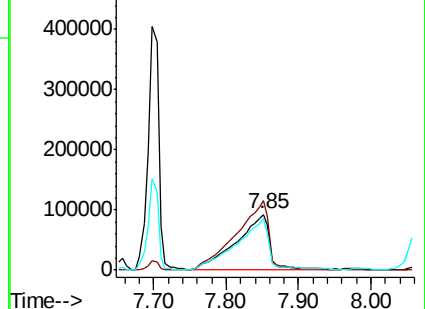
77 93.3 68.6 108.6

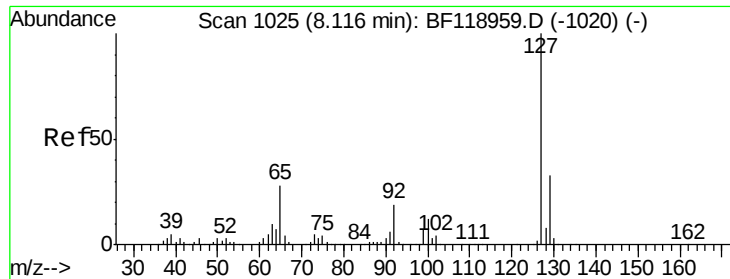


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





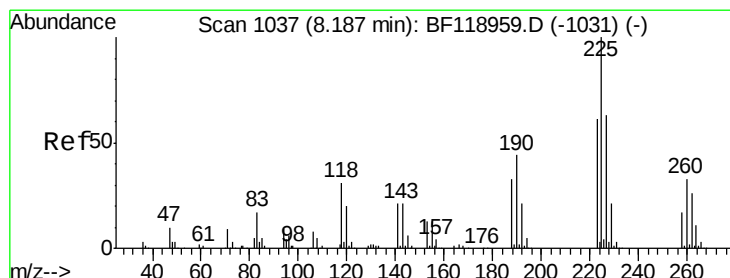
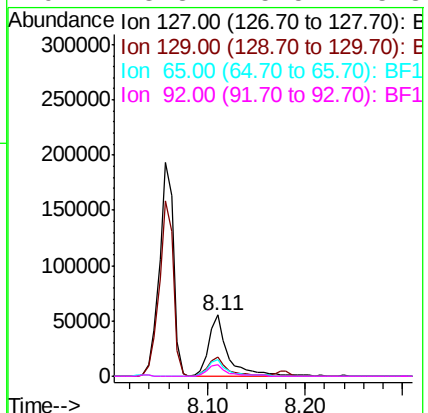
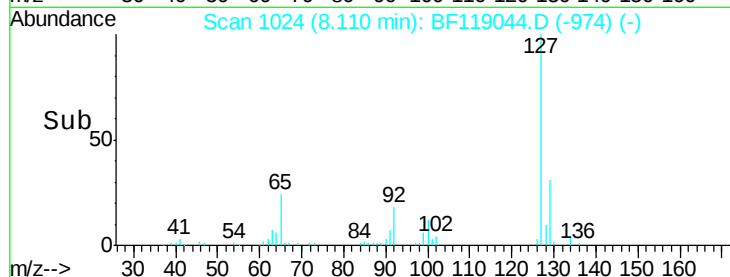
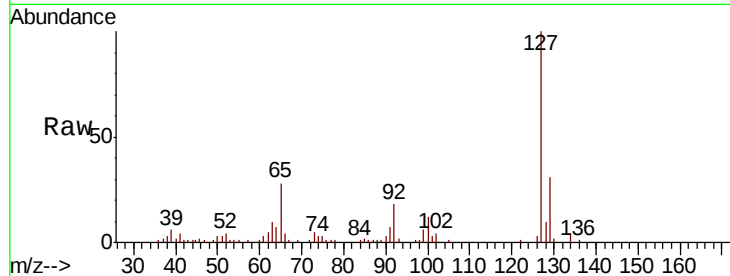
#33
4-Chloroaniline
Concen: 5.387 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.1	26.2	39.2		
65	27.6	22.0	33.0		
92	18.3	15.5	23.3		

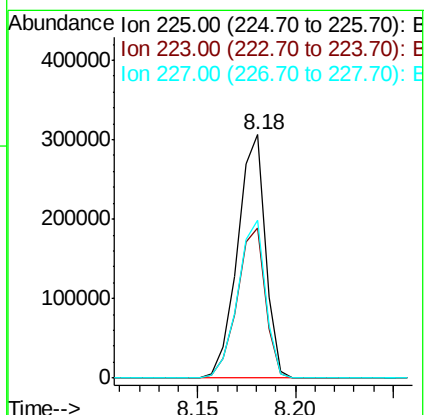
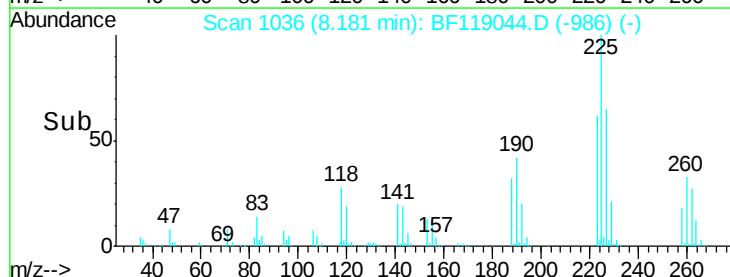
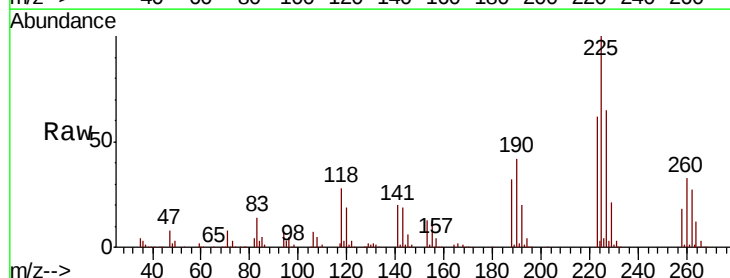
Manual Integrations
APPROVED

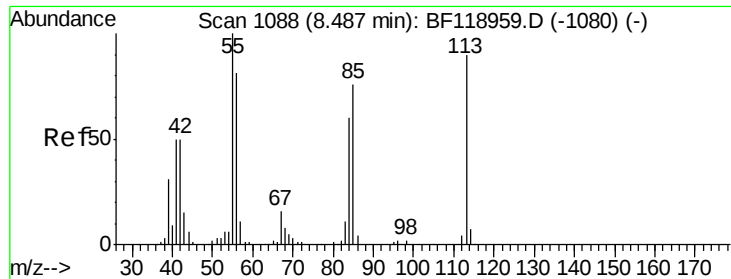
mohammad
2/25/2020 4:19:29 PM



#34
Hexachlorobutadiene
Concen: 41.491 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.6	48.9	73.3		
227	65.1	50.4	75.6		





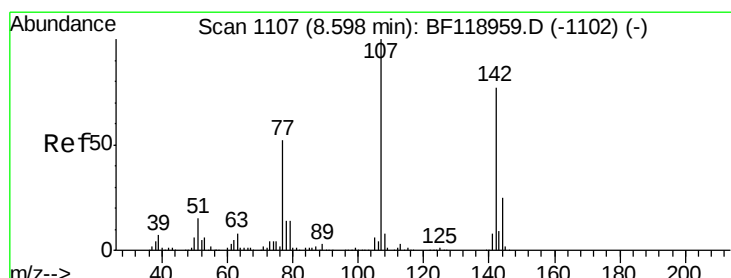
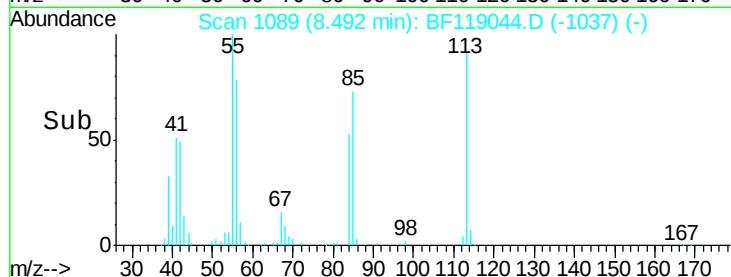
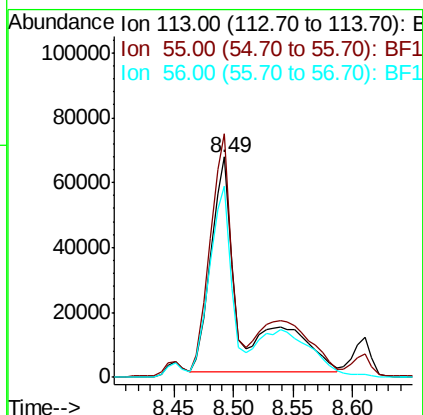
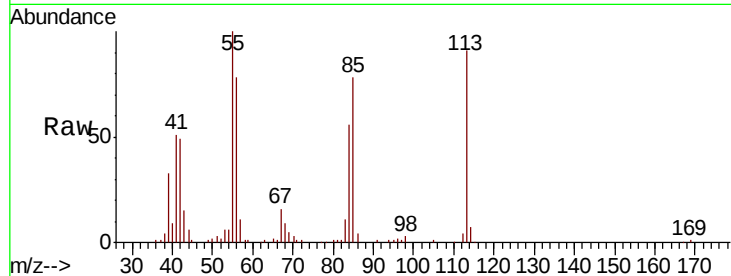
#35
 Caprolactam
 Concen: 40.536 ng/ml
 RT: 8.49 min Scan# 1089
 Delta R.T. 0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	110.5	90.8	130.8
56	86.5	70.0	110.0

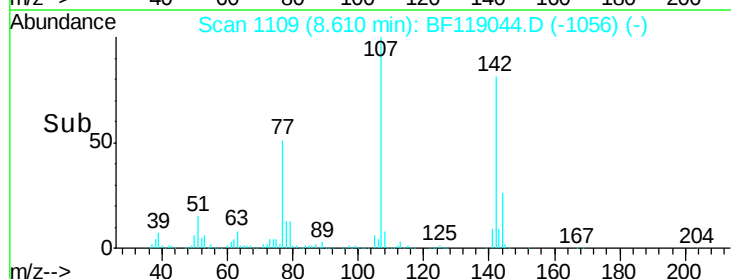
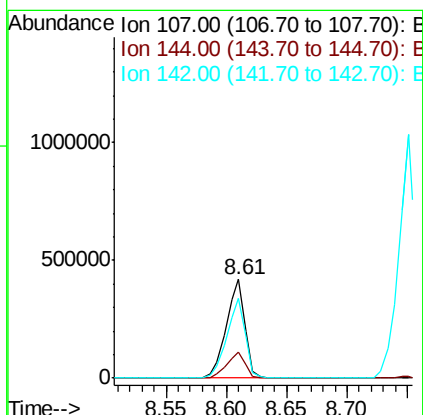
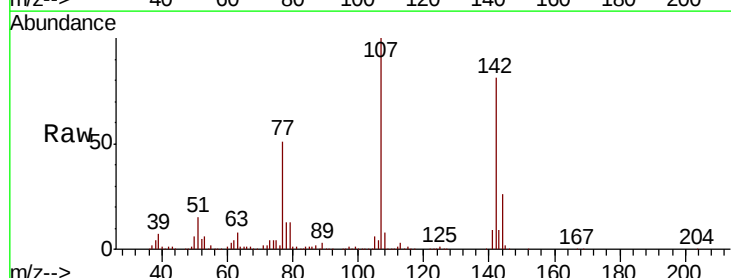
Manual Integrations
 APPROVED

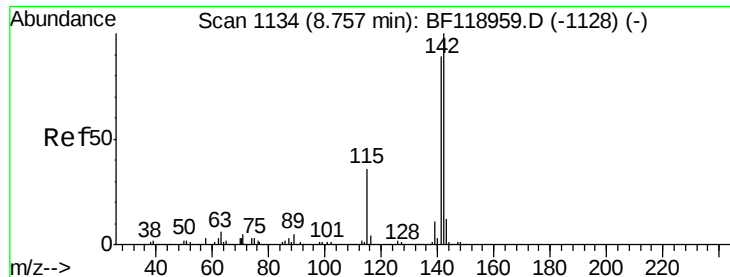
mohammad
 2/25/2020 4:19:29 PM



#36
 4-Chloro-3-methylphenol
 Concen: 44.840 ng/ml
 RT: 8.61 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	19.8	29.8
142	80.8	61.3	91.9





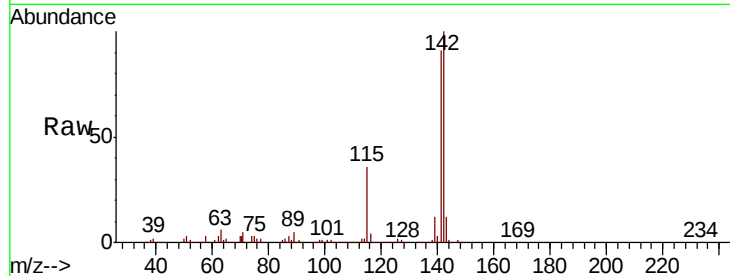
#37
2-Methylnaphthalene
Concen: 44.837 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.0	106.4
115	36.5	28.6	42.8

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM

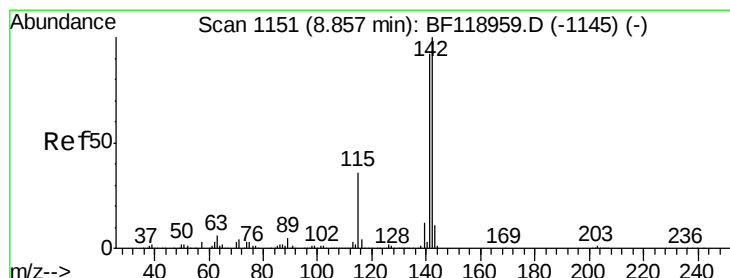
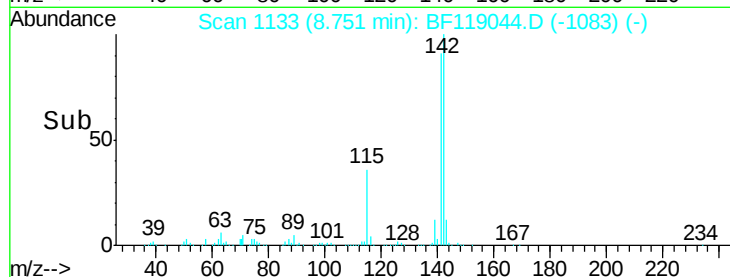
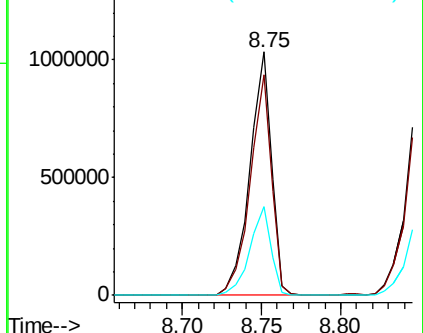


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 44.367 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

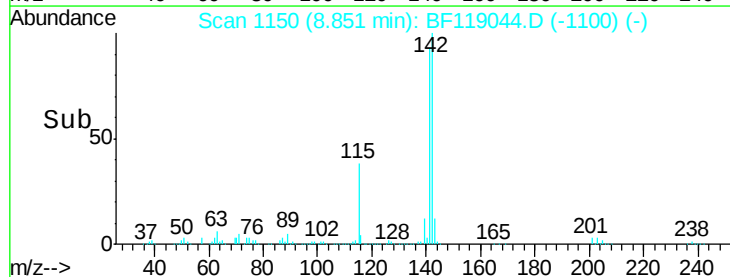
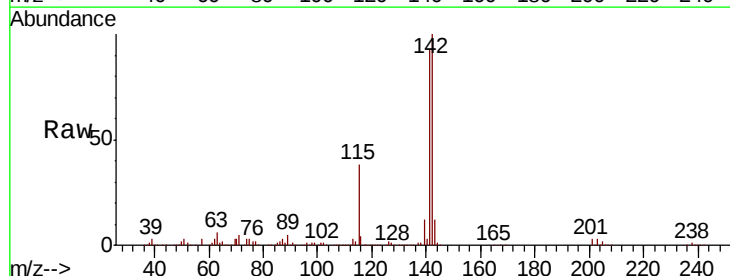
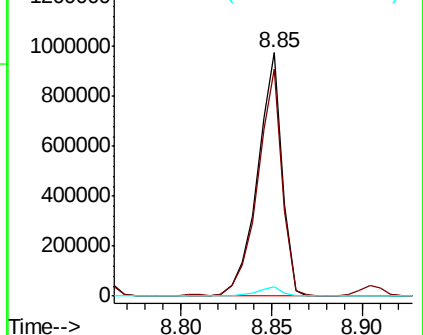
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	73.7	110.5
116	3.9	3.0	4.6

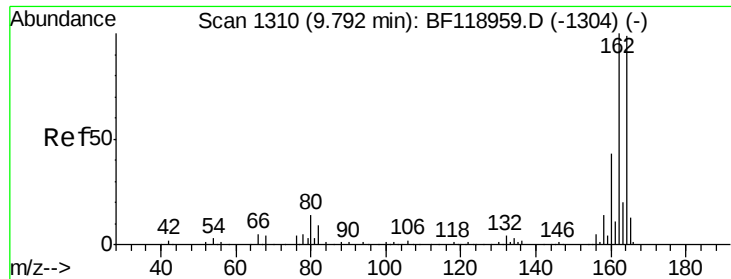
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





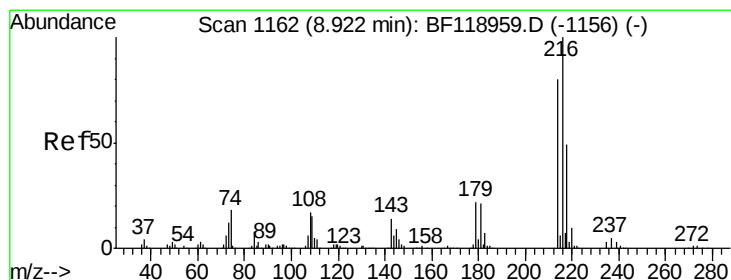
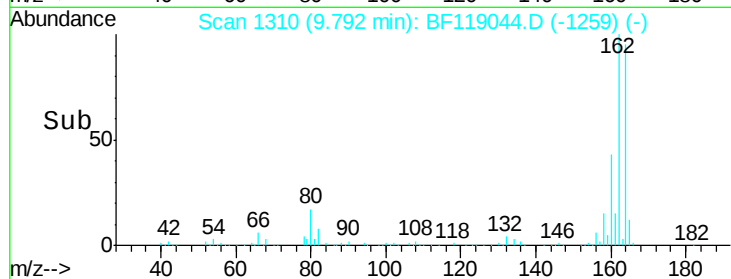
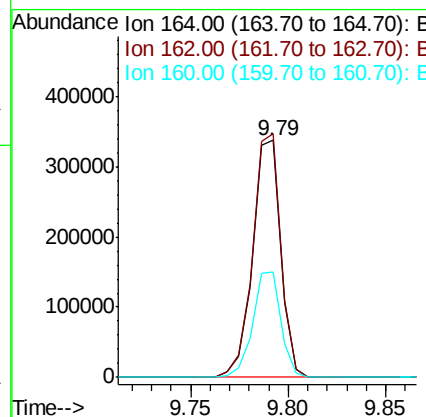
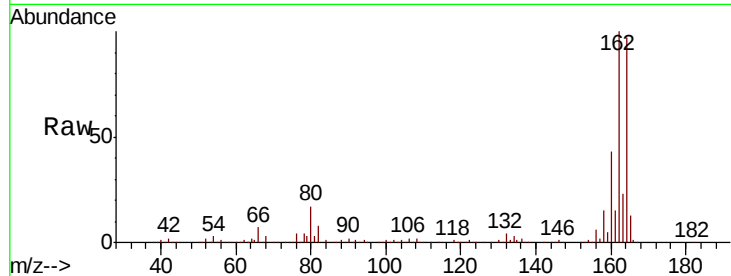
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	81.2	121.8	
160	44.5	35.2	52.8	

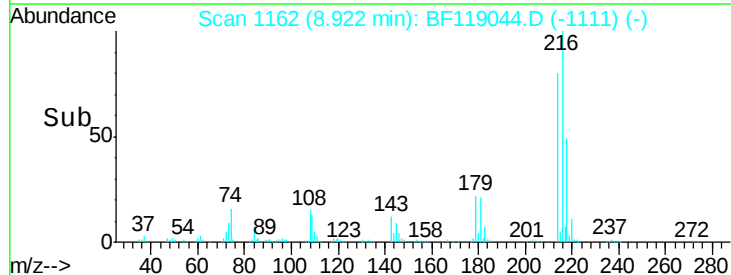
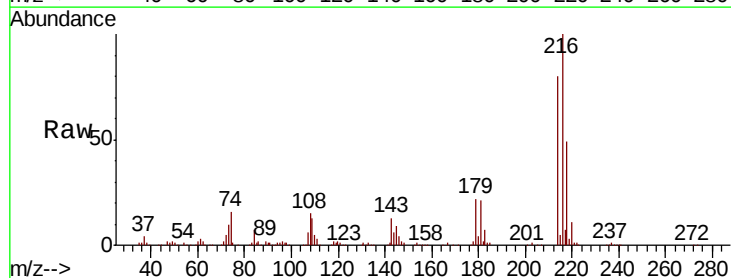
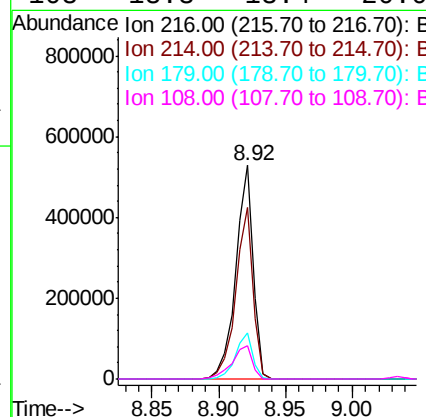
Manual Integrations
 APPROVED

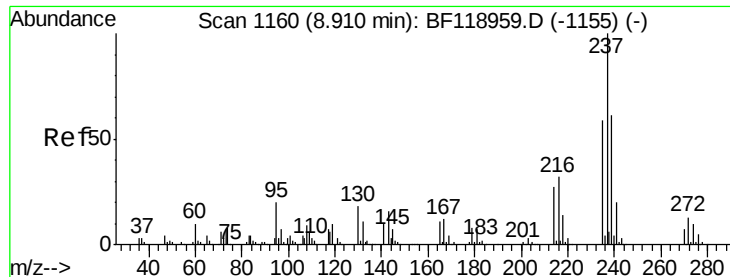
mohammad
 2/25/2020 4:19:29 PM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 43.062 ng
 RT: 8.92 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.5	63.1	94.7	
179	21.6	17.2	25.8	
108	18.3	13.4	20.0	





#41

Hexachlorocyclopentadiene

Concen: 76.542 ng

RT: 8.90 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

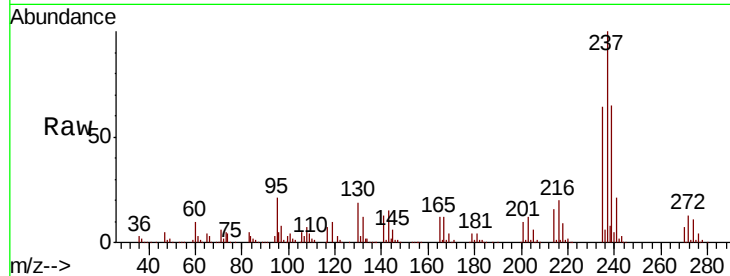
ClientSampleId :

LIED-TS001-01MS

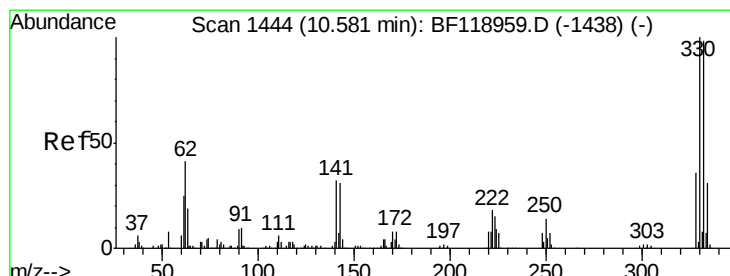
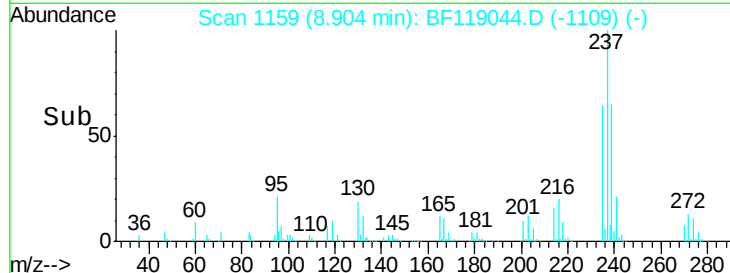
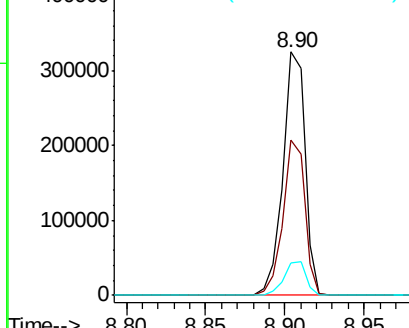
Tot Ion:	237	Resp:	314537
Ion Ratio	Lower	Upper	
237	100		
235	63.7	39.4	79.4
272	13.2	0.0	32.6

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 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: 100.612 ng

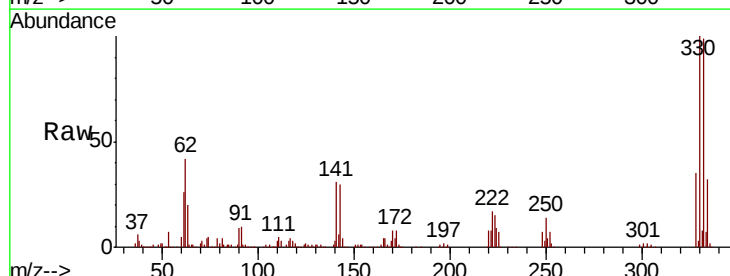
RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

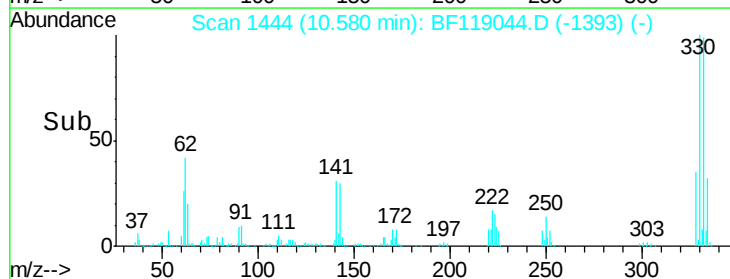
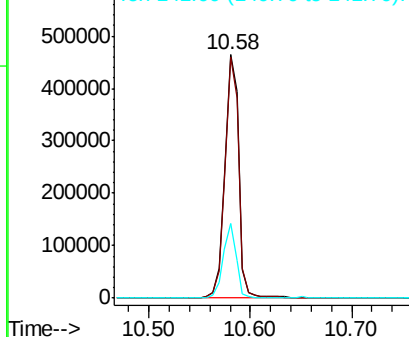
Lab File: BF119044.D

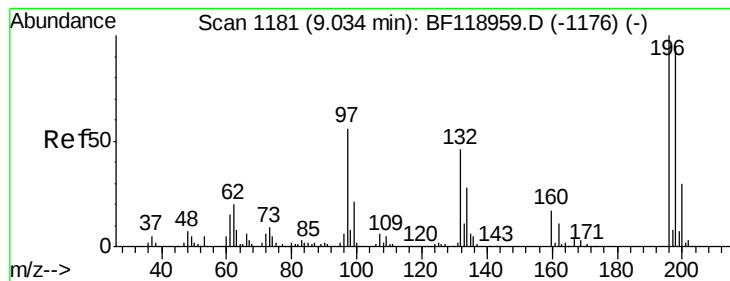
Acq: 25 Feb 2020 2:23

Tgt Ion:	330	Resp:	443375
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.1	115.7
141	28.7	23.0	34.6



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: 44.909 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion:196 Resp: 322099

Ion Ratio Lower Upper

196 100

198 95.7 75.8 113.6

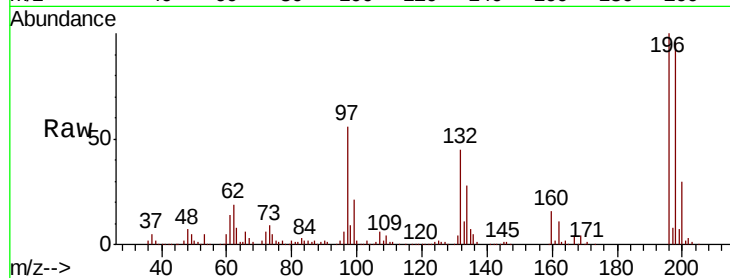
200 30.4 24.1 36.1

Manual Integrations

APPROVED

mohammad

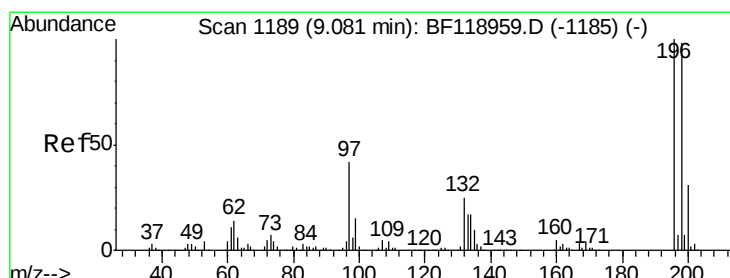
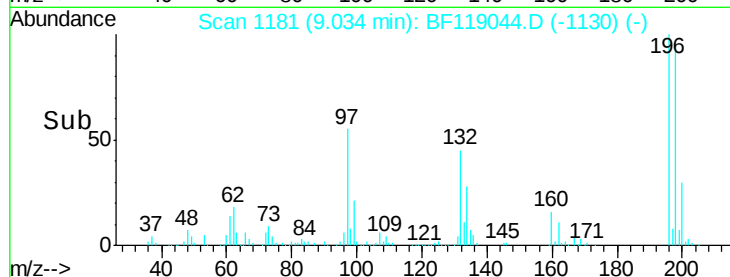
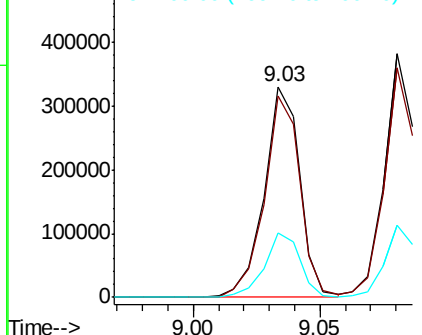
2/25/2020 4:19:29 PM



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 44.987 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:196 Resp: 338587

Ion Ratio Lower Upper

196 100

198 94.2 78.4 117.6

97 48.6 33.4 50.0

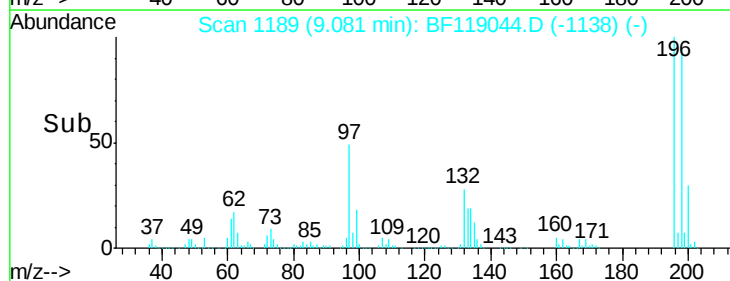
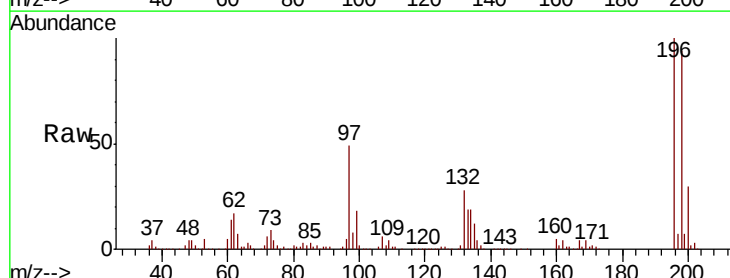
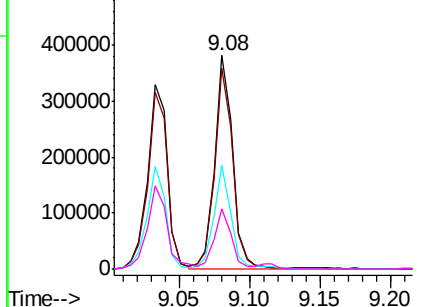
132 28.2 20.6 30.8

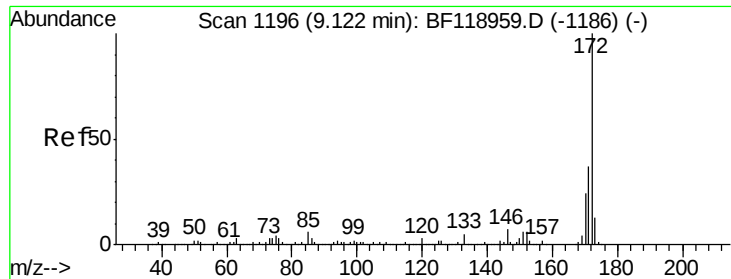
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





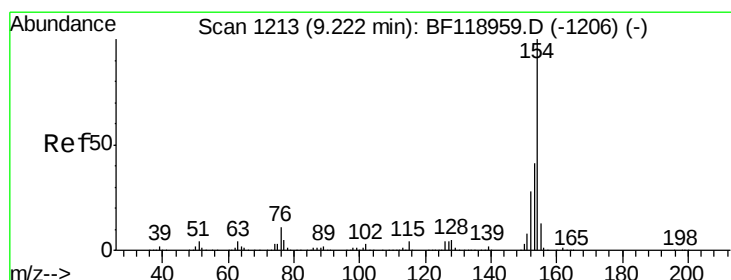
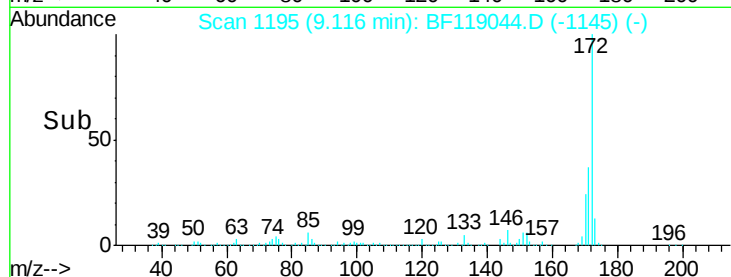
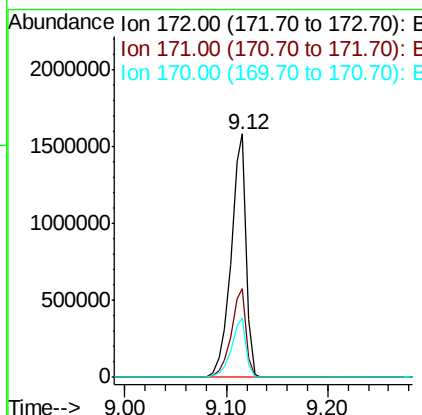
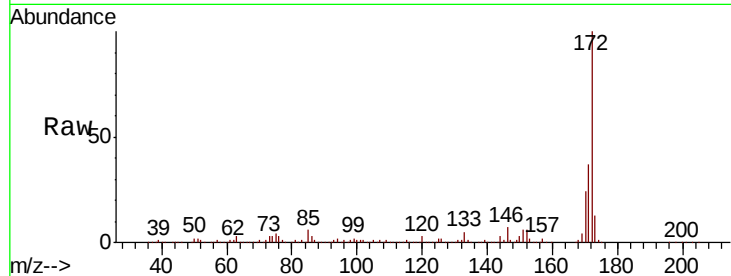
#45
2-Fluorobiphenyl
Concen: 70.677 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.2
170	24.4	19.6	29.4

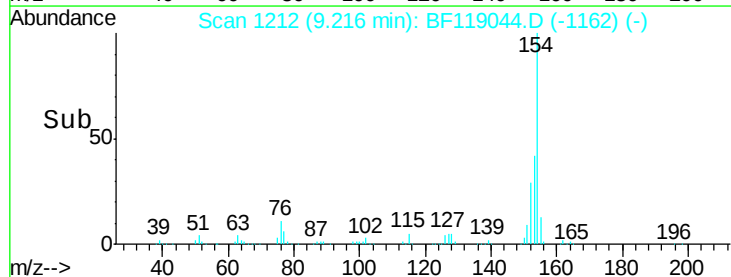
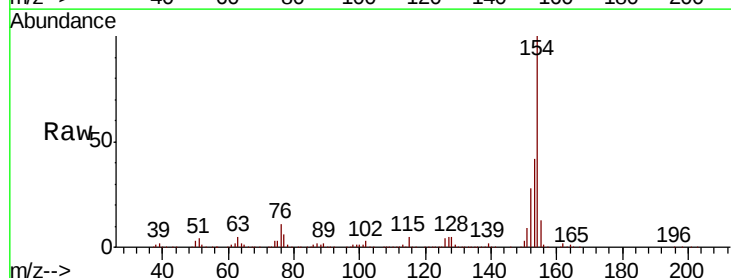
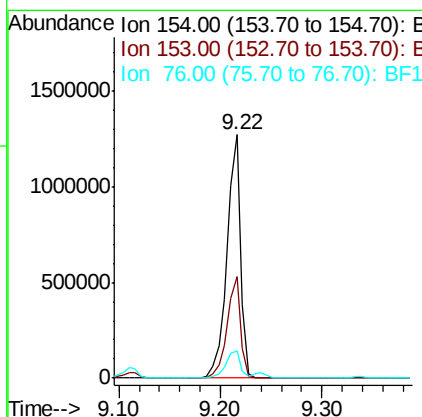
Manual Integrations
APPROVED

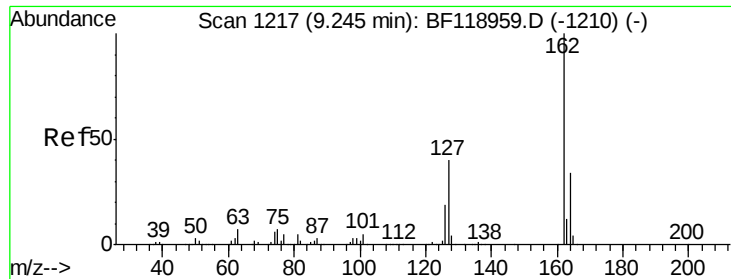
mohammad
2/25/2020 4:19:29 PM



#46
1,1'-Biphenyl
Concen: 43.336 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	21.2	61.2
76	11.3	0.0	31.1





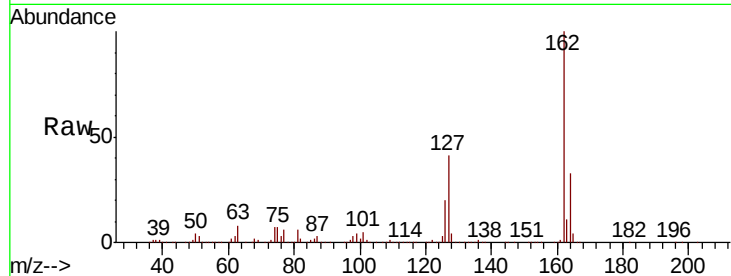
#47
2-Chloronaphthalene
Concen: 42.967 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

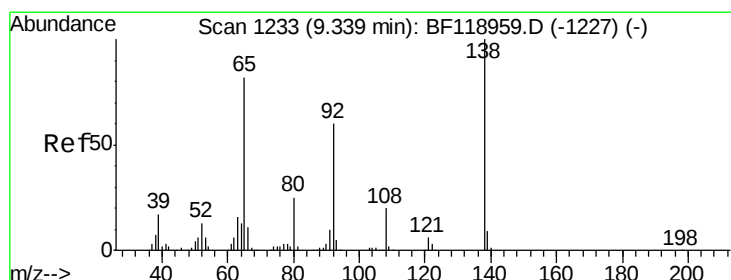
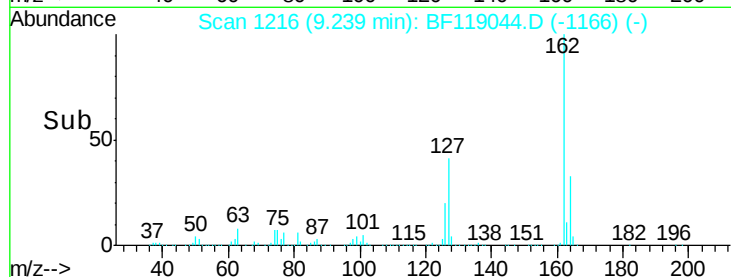
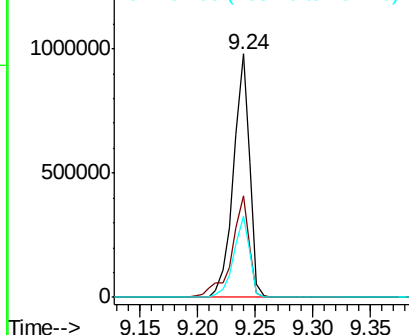
Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	41.5	31.9	47.9	
164	33.1	26.8	40.2	

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM

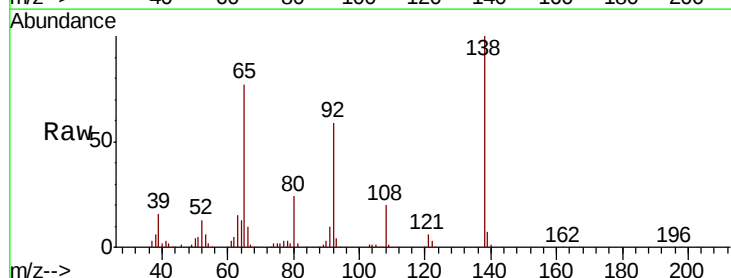


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

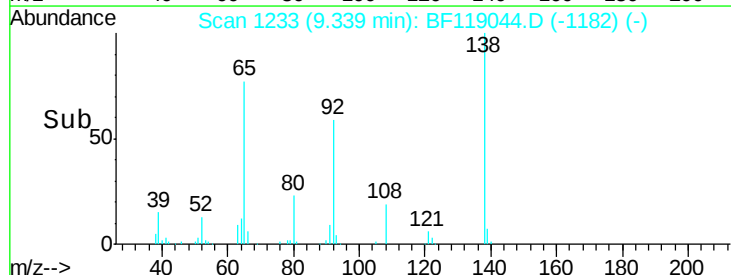
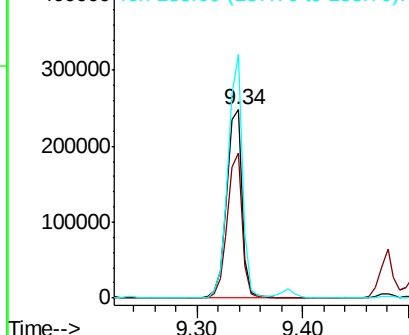


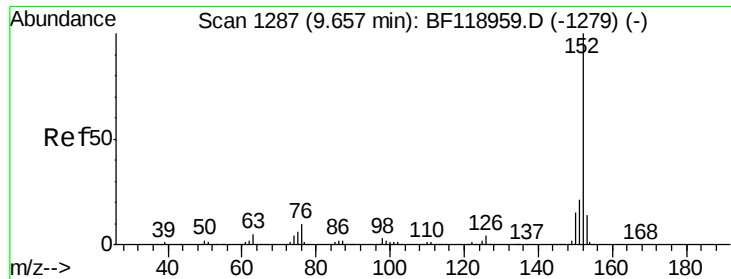
#48
2-Nitroaniline
Concen: 41.496 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	76.8	58.6	87.8	
138	129.3	97.5	146.3	



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: 45.347 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion:152 Resp: 1436943

Ion Ratio Lower Upper

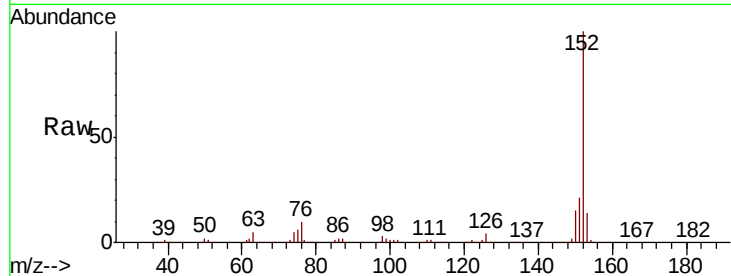
152 100

151 20.6 16.7 25.1

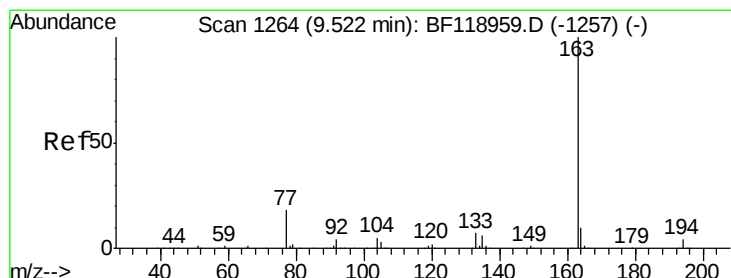
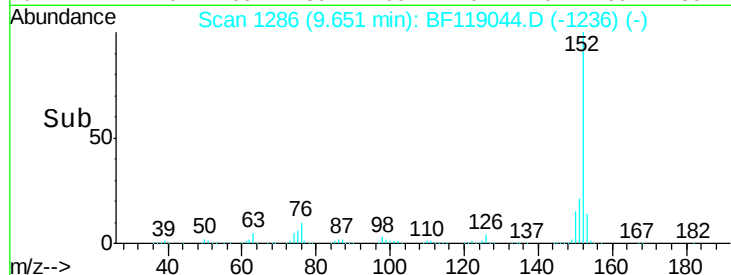
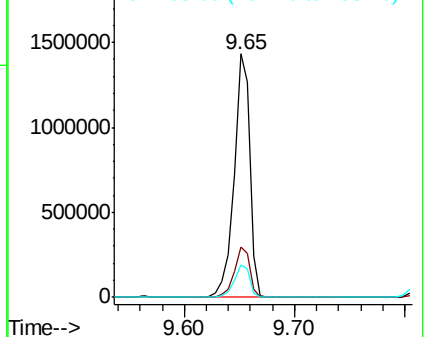
153 13.5 10.9 16.3

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 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: 48.529 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

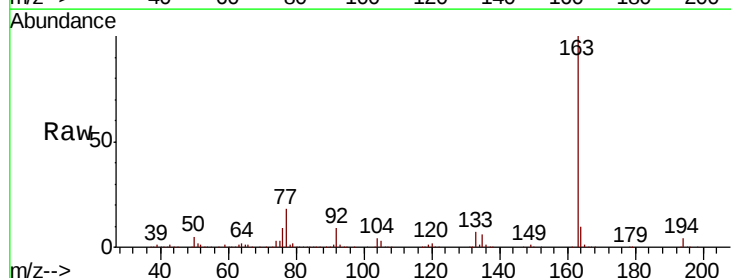
Tgt Ion:163 Resp: 1250069

Ion Ratio Lower Upper

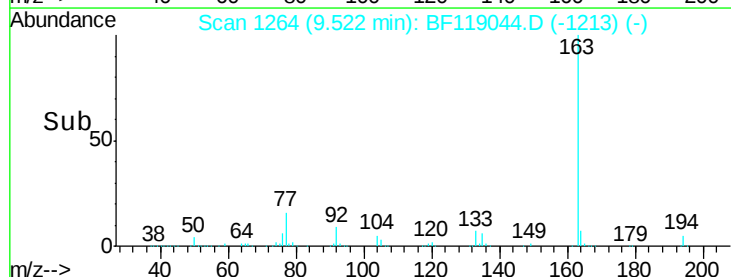
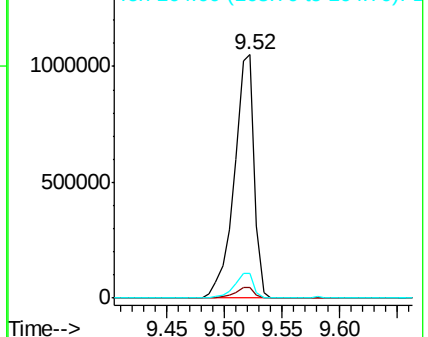
163 100

194 4.5 3.4 5.2

164 10.3 8.2 12.2



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: 45.194 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion:165 Resp: 258648

Ion Ratio Lower Upper

165 100

63 47.3 37.9 56.9

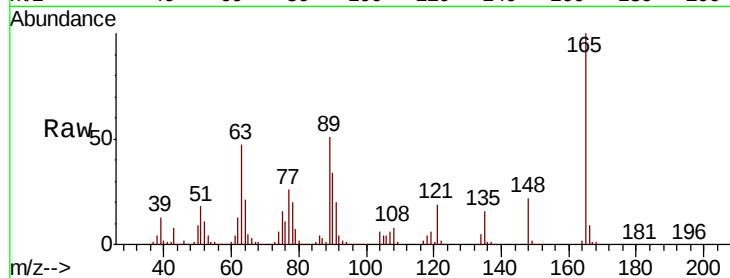
89 51.0 41.4 62.0

Manual Integrations

APPROVED

mohammad

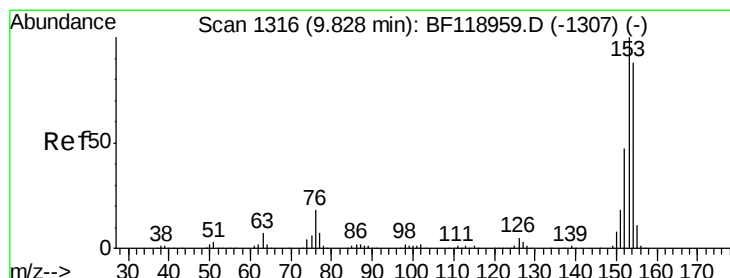
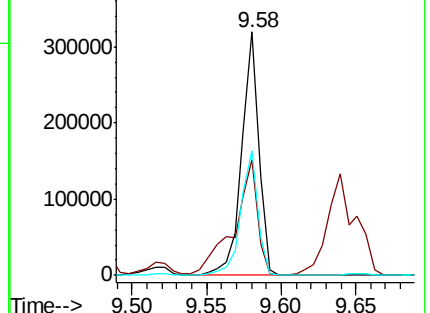
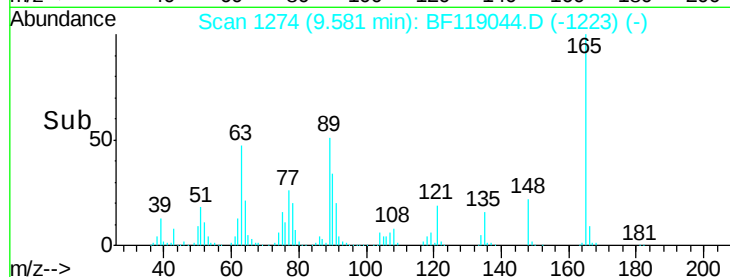
2/25/2020 4:19:29 PM



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 44.108 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

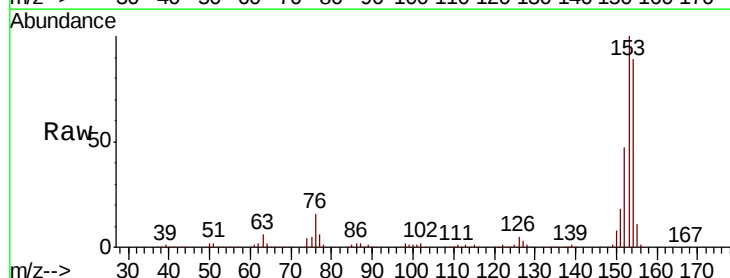
Tgt Ion:154 Resp: 842772

Ion Ratio Lower Upper

154 100

153 112.8 90.4 135.6

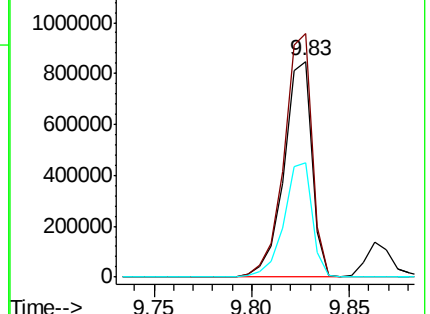
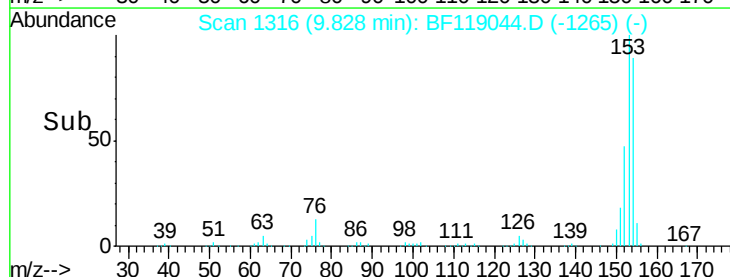
152 53.2 42.9 64.3

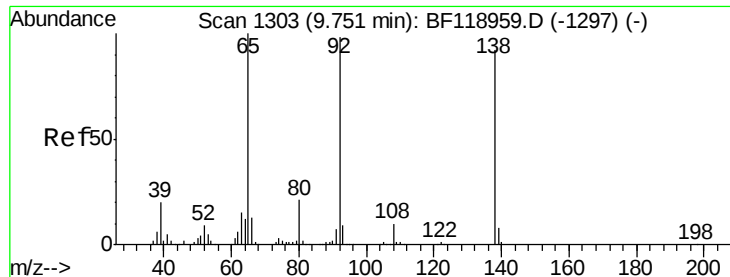


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





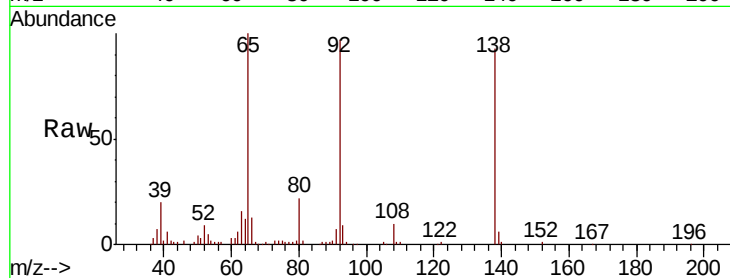
#53
3-Nitroaniline
Concen: 12.387 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

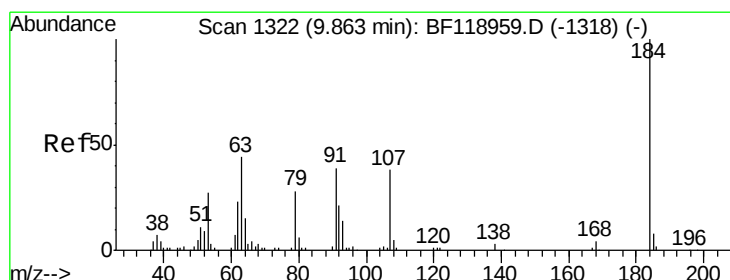
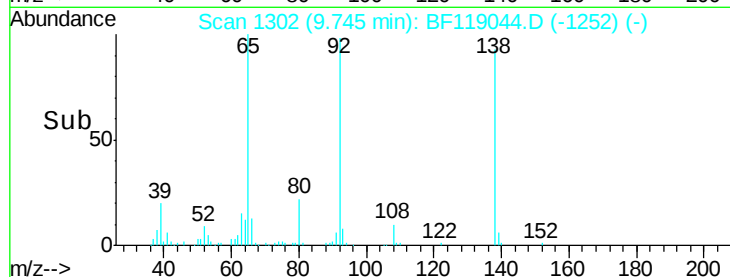
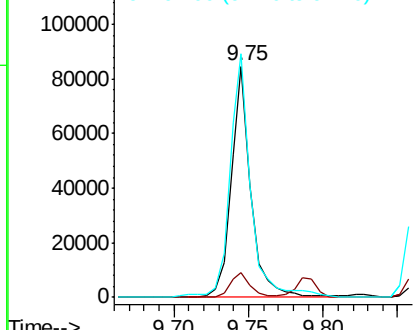
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.6	13.0
92	105.3	84.6	127.0

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM

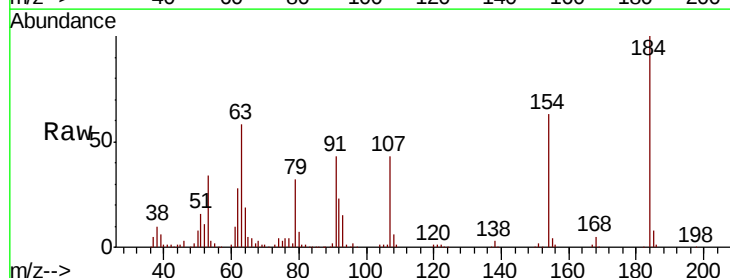


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

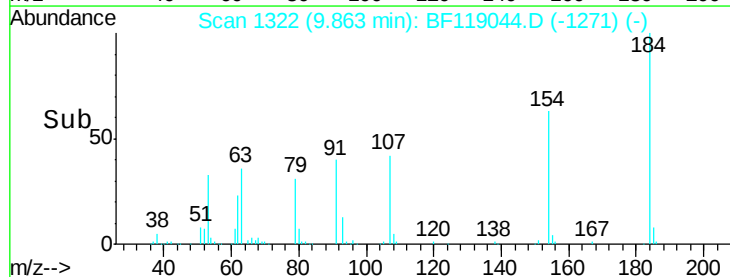
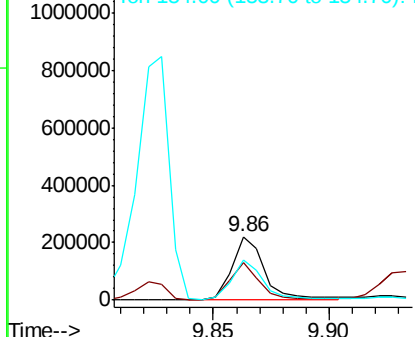


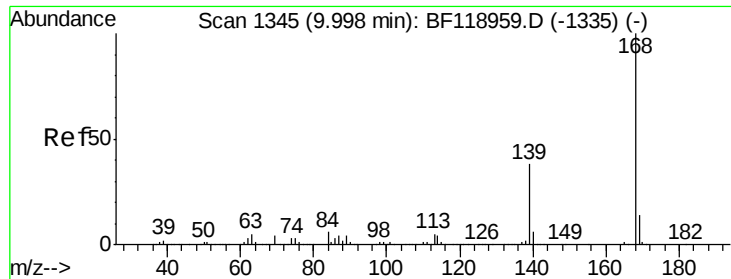
#54
2,4-Dinitrophenol
Concen: 78.498 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.5	37.8	56.6#
154	62.9	47.6	71.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





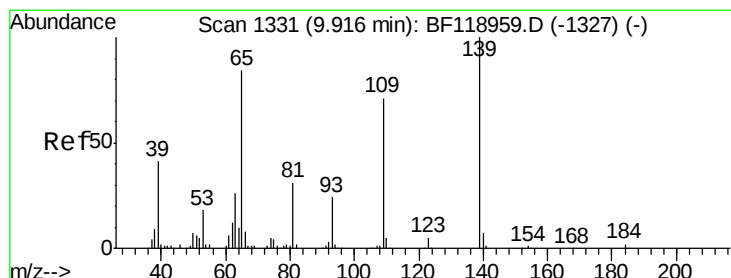
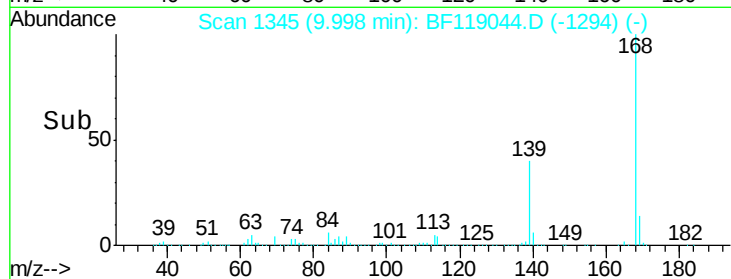
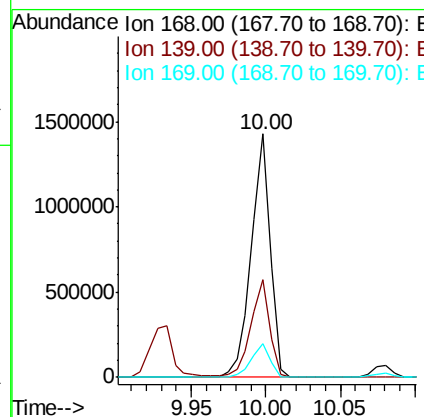
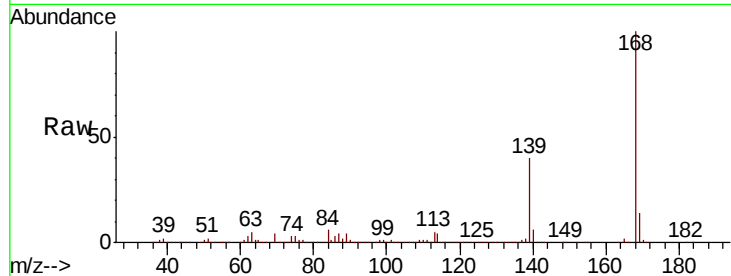
#55
Dibenzofuran
Concen: 44.163 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.7	47.5
169	13.7	11.0	16.4

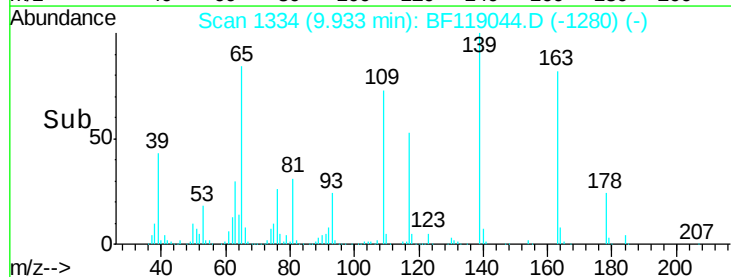
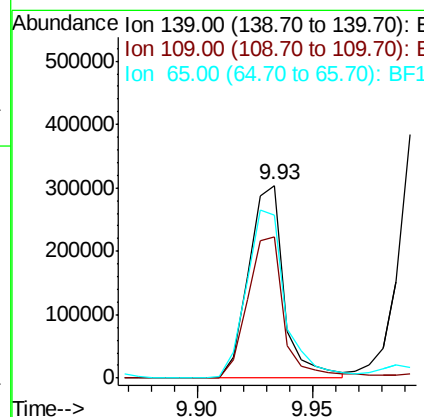
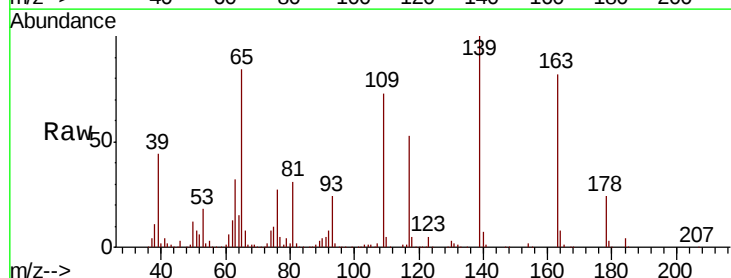
Manual Integrations
APPROVED

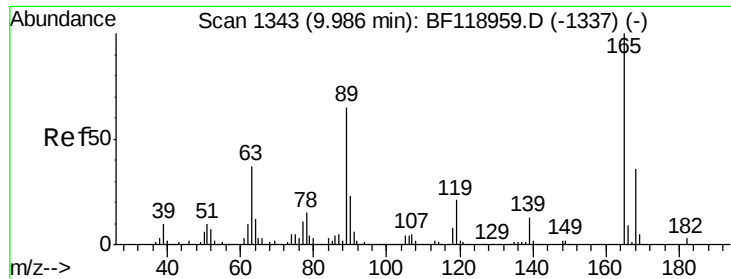
mohammad
2/25/2020 4:19:29 PM



#56
4-Nitrophenol
Concen: 85.914 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.02 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.9	51.1	91.1
65	84.5	64.7	104.7





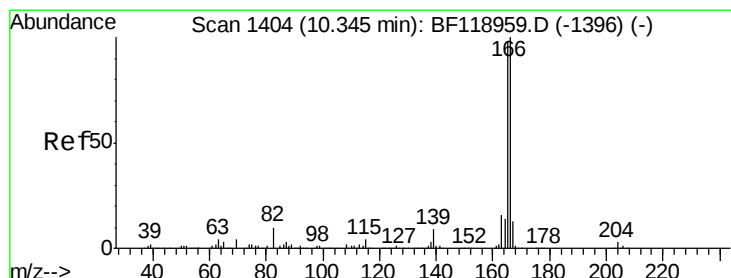
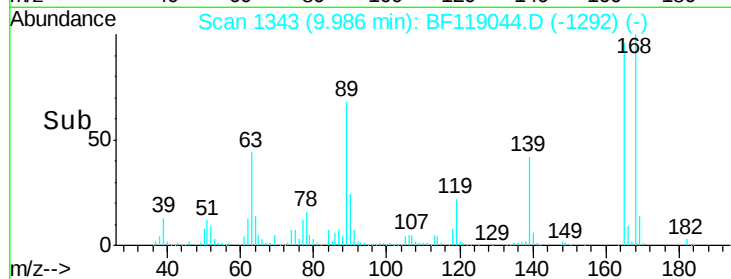
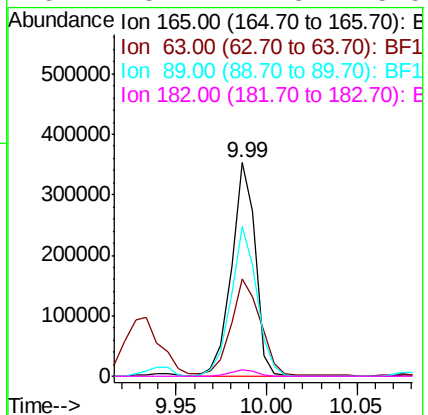
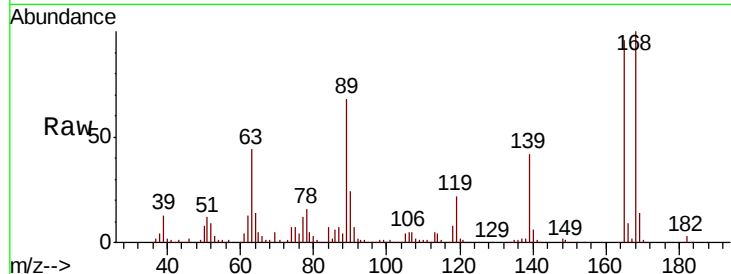
#57
 2,4-Dinitrotoluene
 Concen: 43.548 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	45.6	29.8	44.8#	
89	70.3	51.9	77.9	
182	3.2	2.3	3.5	

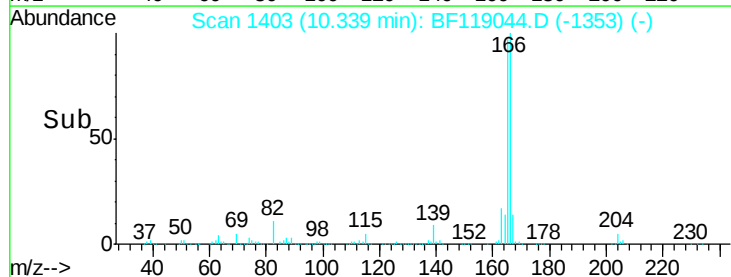
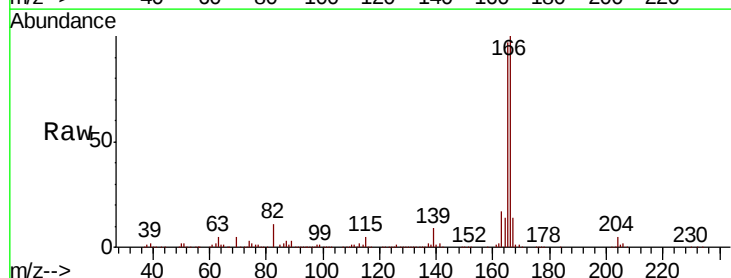
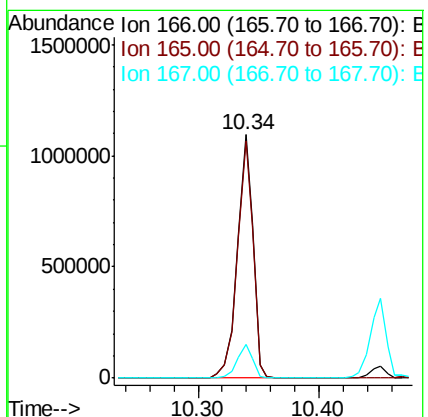
Manual Integrations
 APPROVED

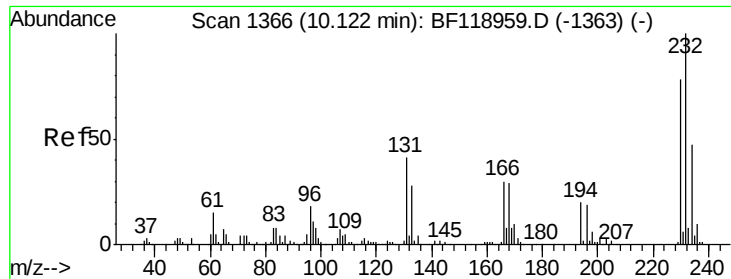
mohammad
 2/25/2020 4:19:29 PM



#58
 Fluorene
 Concen: 44.755 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.4	78.2	117.4	
167	13.6	10.6	16.0	





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.829 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

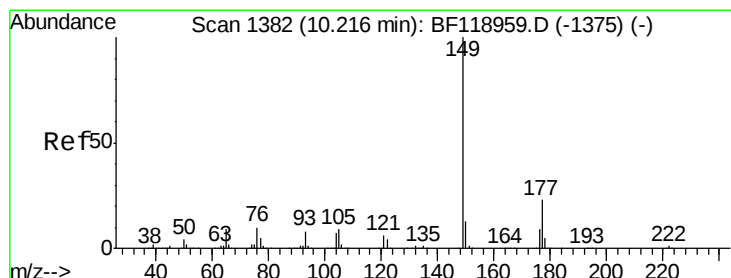
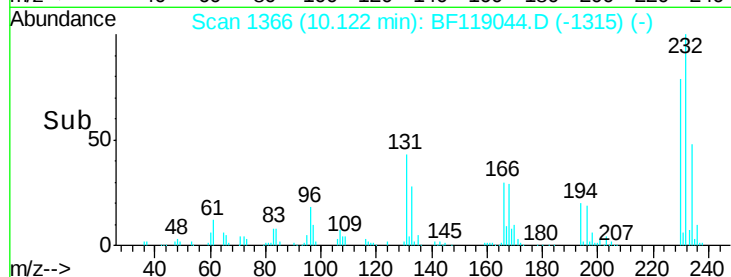
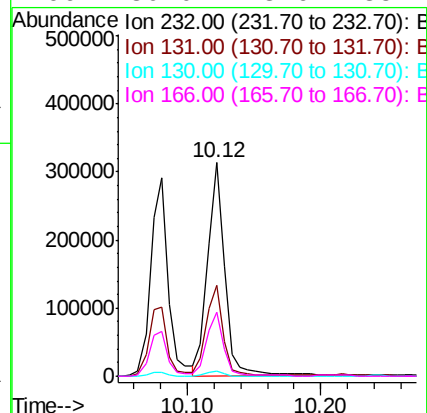
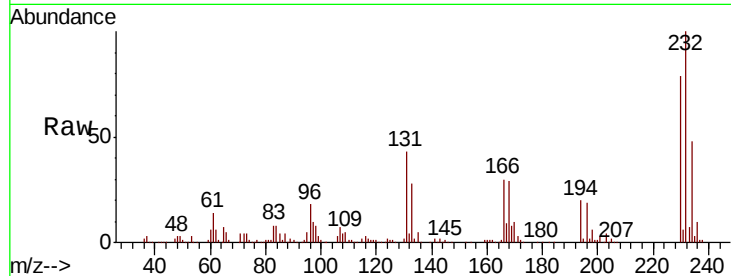
ClientSampleId :

LIED-TS001-01MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	278346		
131	42.4		34.0	51.0
130	2.3		1.6	2.4
166	30.0		23.6	35.4

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



#60

Diethylphthalate

Concen: 44.835 ng

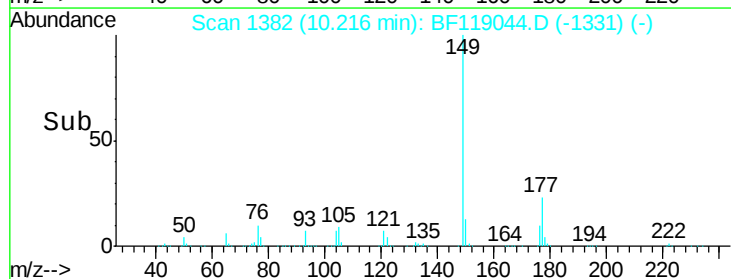
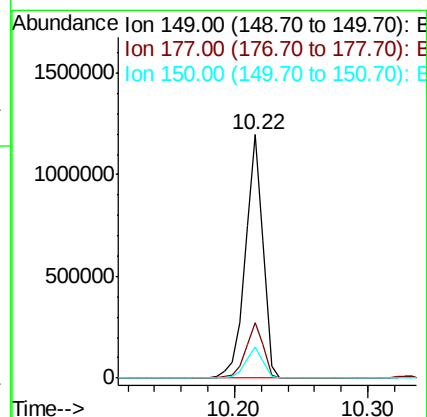
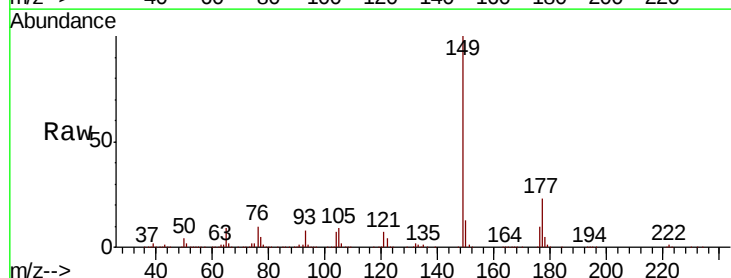
RT: 10.22 min Scan# 1382

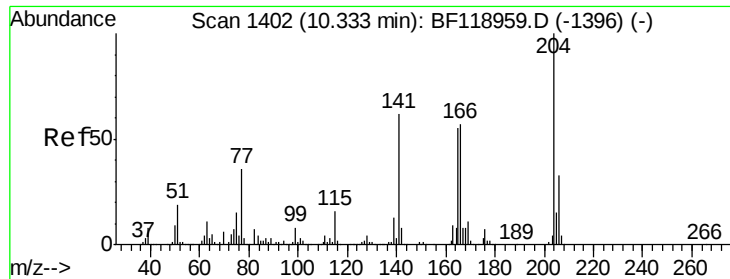
Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1088379		
177	23.0		18.1	27.1
150	12.9		10.4	15.6





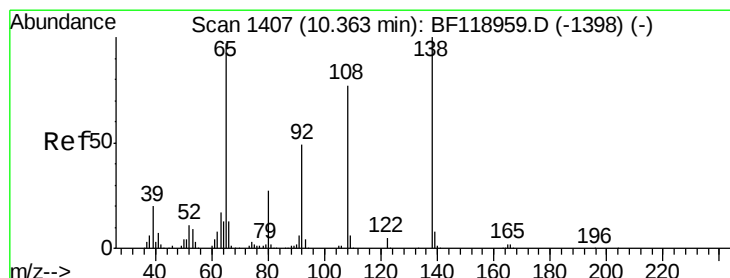
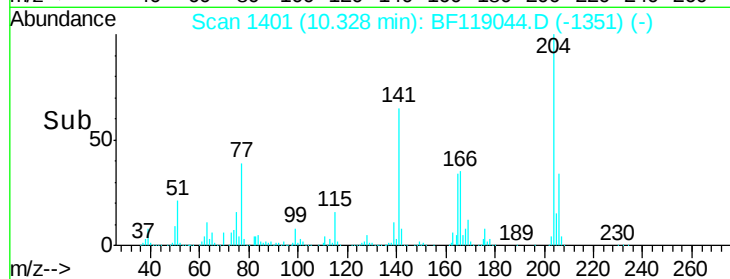
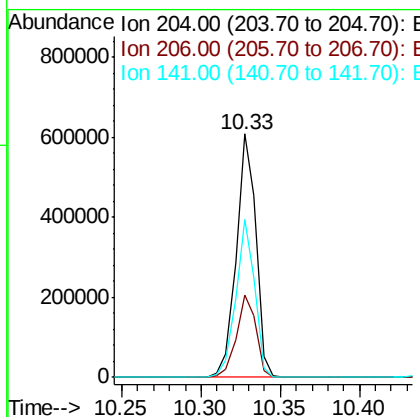
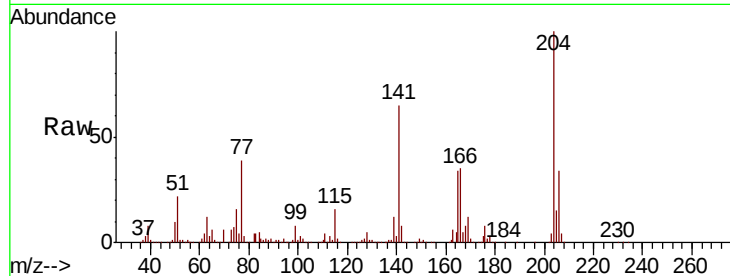
#61
4-Chlorophenyl-phenylether
Concen: 44.543 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.5	39.7
141	64.7	49.5	74.3

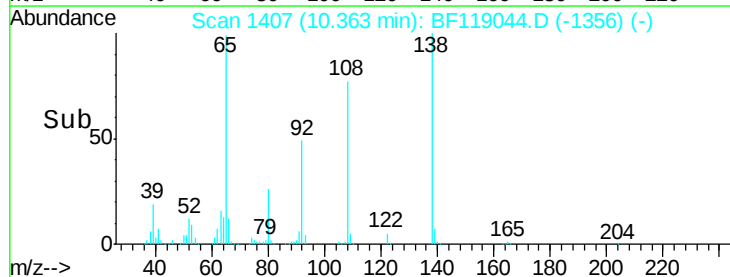
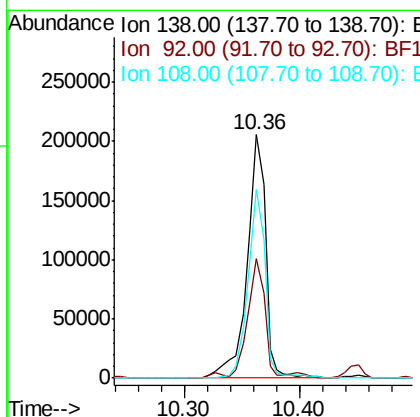
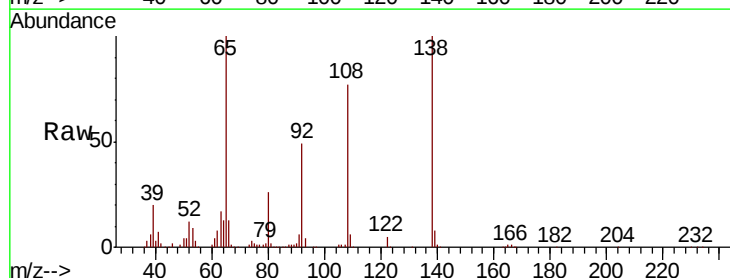
Manual Integrations
APPROVED

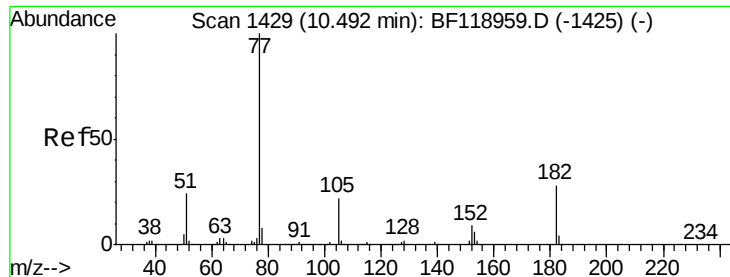
mohammad
2/25/2020 4:19:29 PM



#62
4-Nitroaniline
Concen: 35.301 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.2	28.7	68.7
108	77.4	56.8	96.8





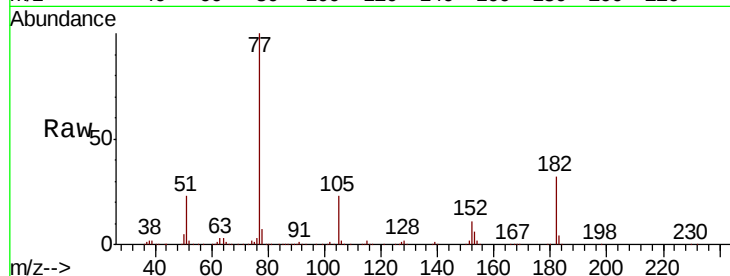
#63
Azobenzene
Concen: 45.334 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

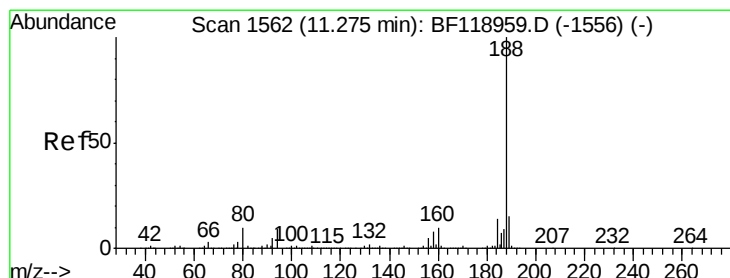
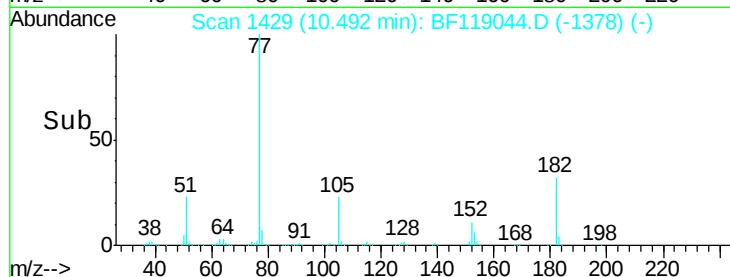
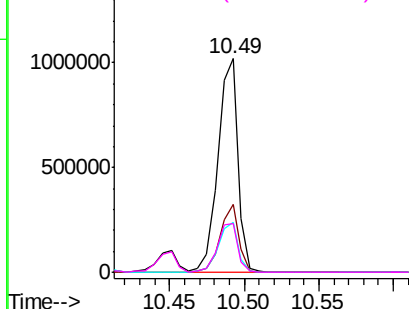
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		956570		
182	31.6	8.2	48.2		
105	23.2	2.3	42.3		
51	23.0	3.6	43.6		

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM

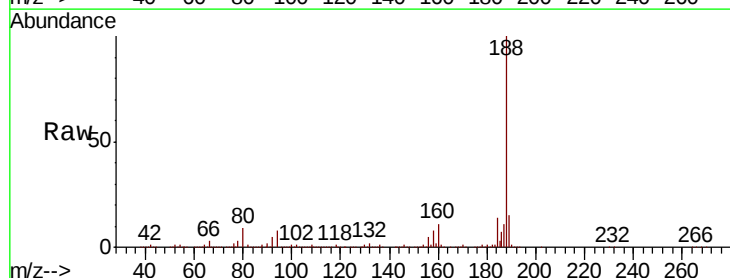


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

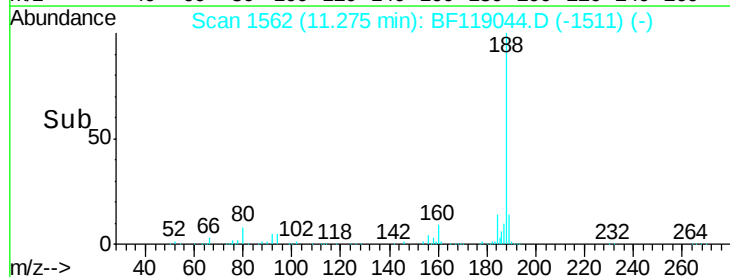
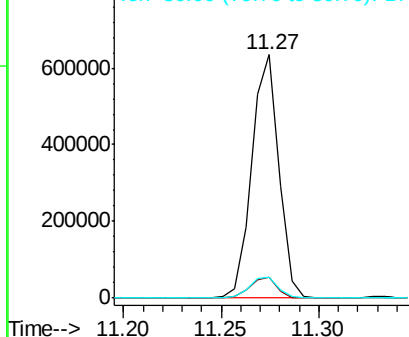


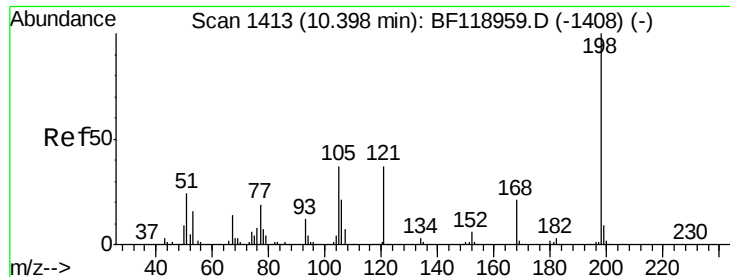
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		609402		
94	8.4	7.0	10.6		
80	8.7	7.9	11.9		



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 48.339 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion:198 Resp: 178253

Ion Ratio Lower Upper

198 100

51 25.2 7.1 47.1

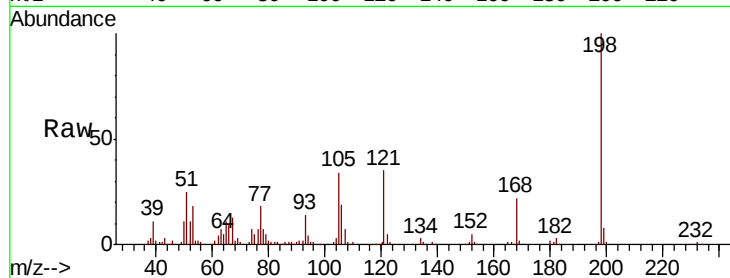
105 34.3 18.3 58.3

Manual Integrations

APPROVED

mohammad

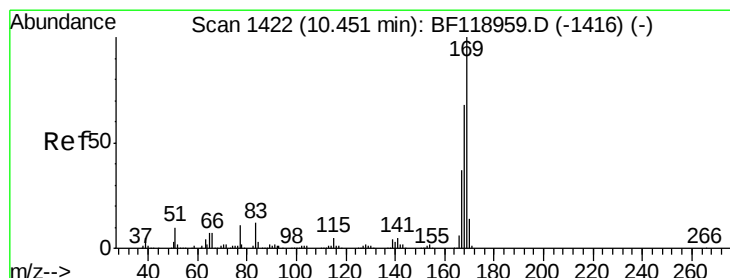
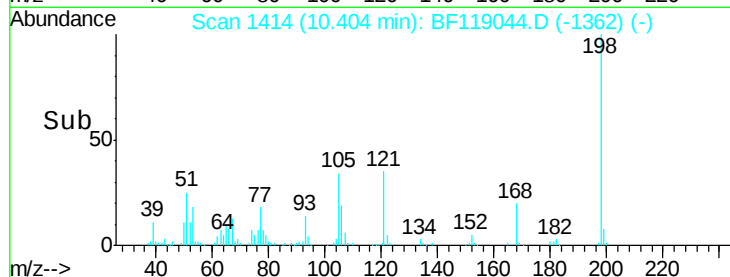
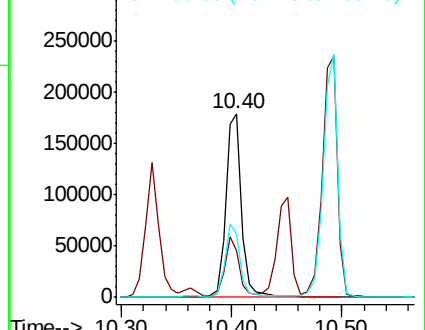
2/25/2020 4:19:29 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.043 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

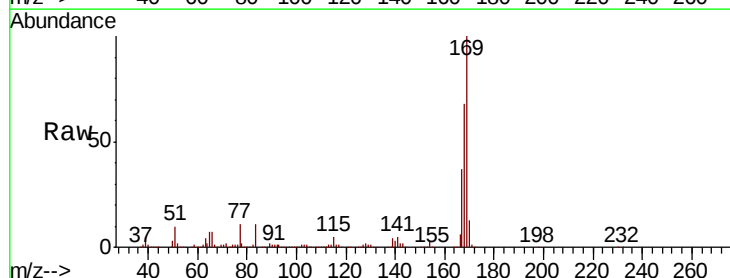
Tgt Ion:169 Resp: 898784

Ion Ratio Lower Upper

169 100

168 68.1 54.2 81.2

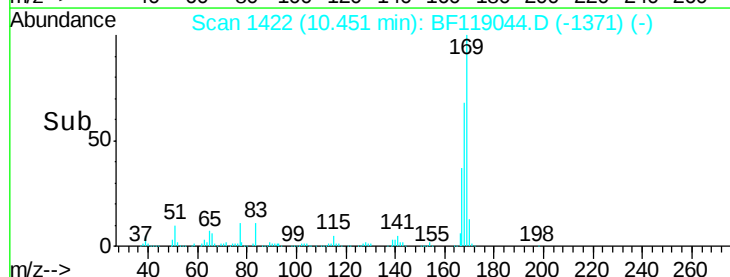
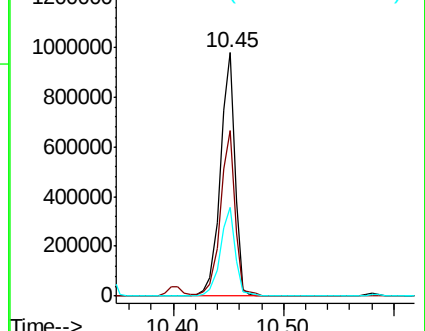
167 36.6 29.4 44.2

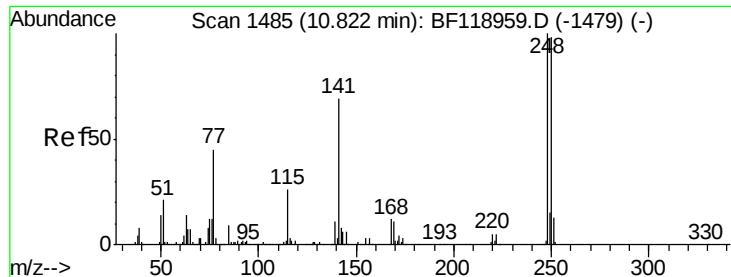


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





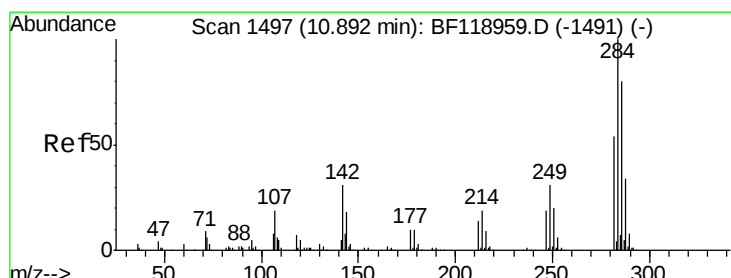
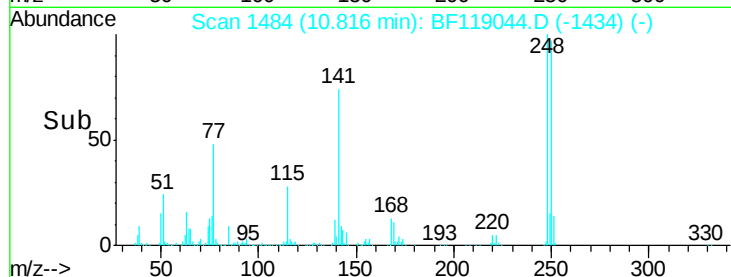
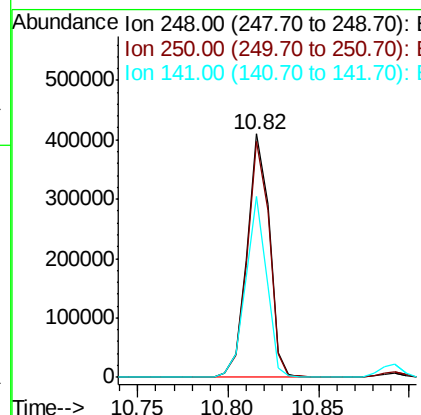
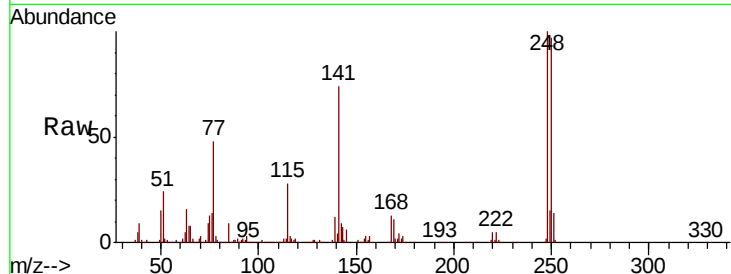
#67
4-Bromophenyl-phenylether
Concen: 44.122 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.8	118.2
141	74.3	55.3	82.9

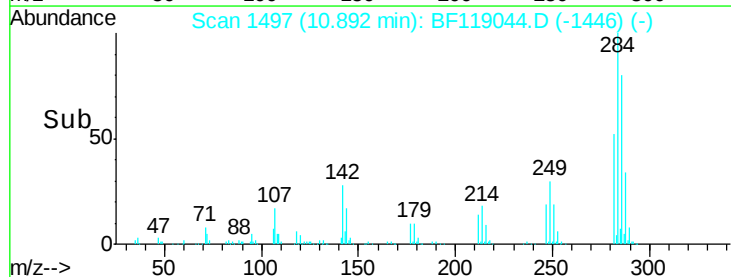
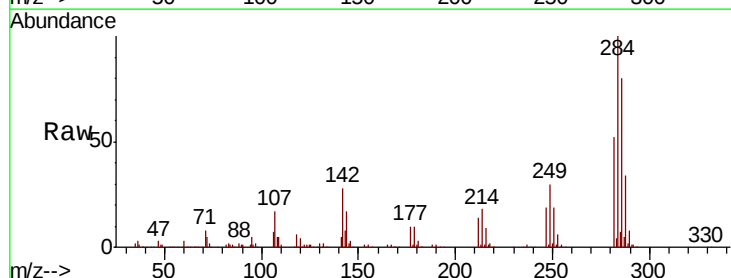
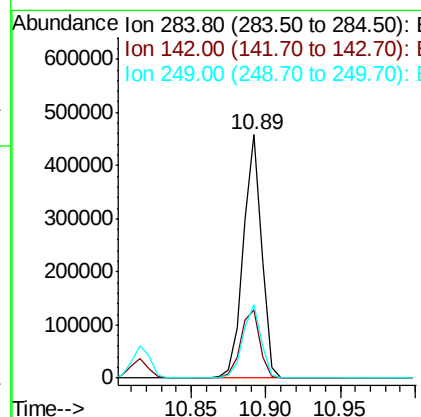
Manual Integrations
APPROVED

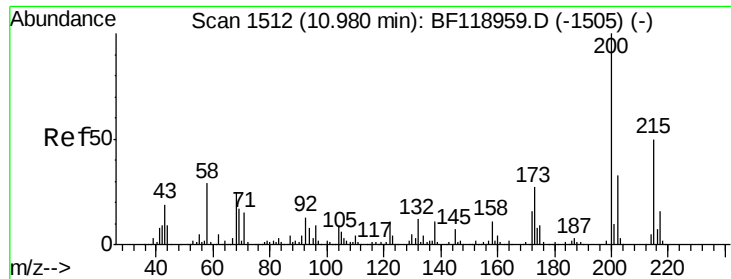
mohammad
2/25/2020 4:19:29 PM



#68
Hexachlorobenzene
Concen: 42.755 ng
RT: 10.89 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.1	25.0	37.6
249	30.1	25.0	37.4





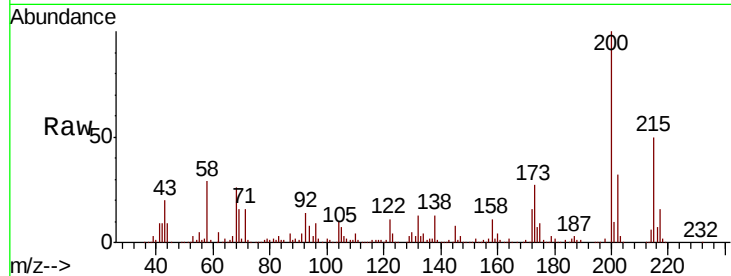
#69
Atrazine
Concen: 46.000 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

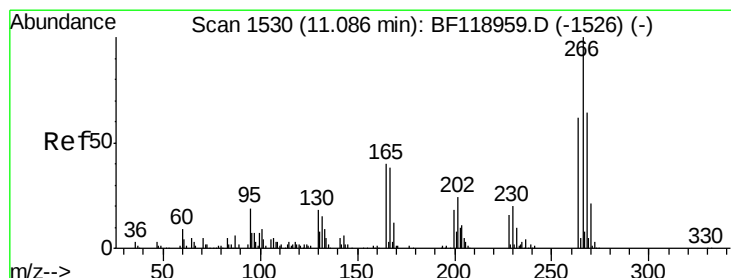
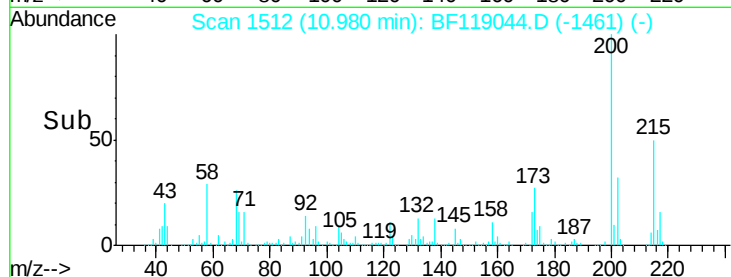
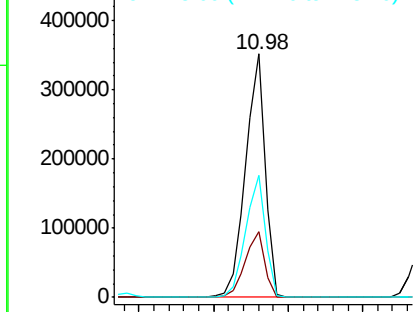
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.9	46.9
215	50.1	29.7	69.7

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM

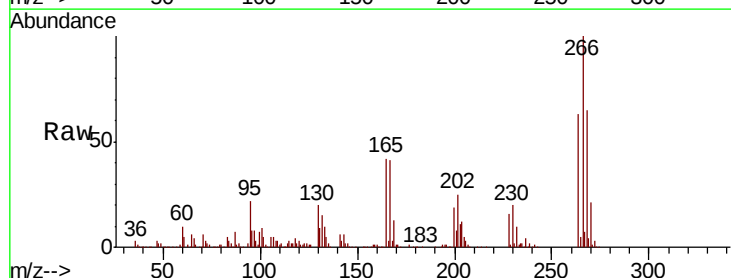


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

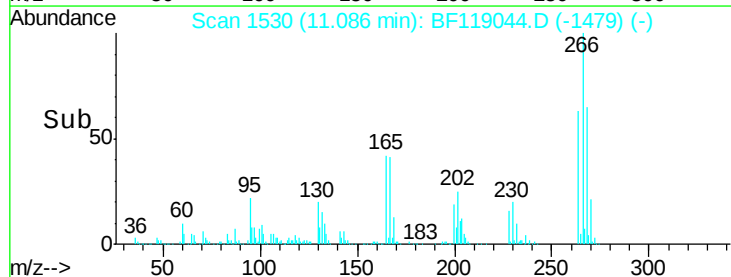
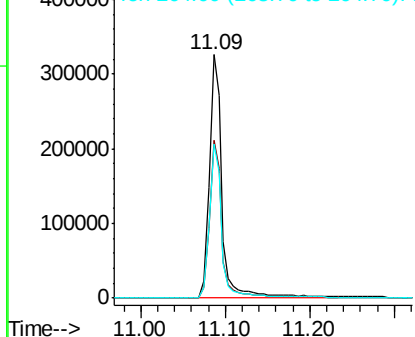


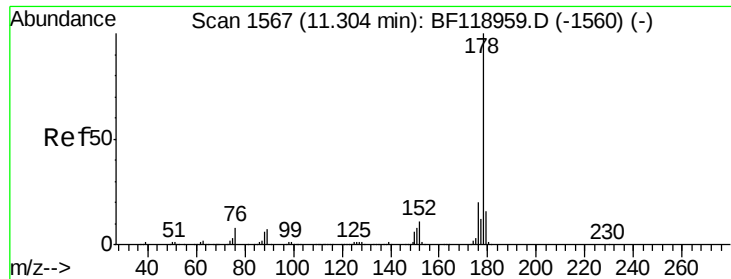
#70
Pentachlorophenol
Concen: 93.576 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.4	77.0
264	63.5	49.5	74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





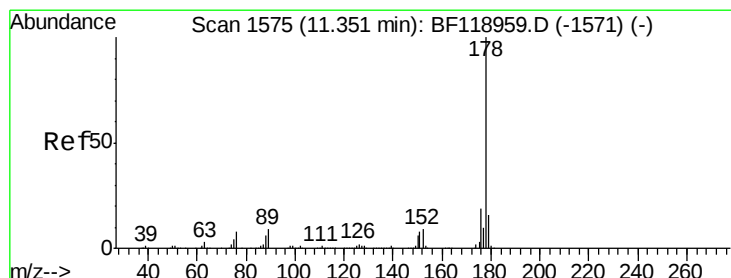
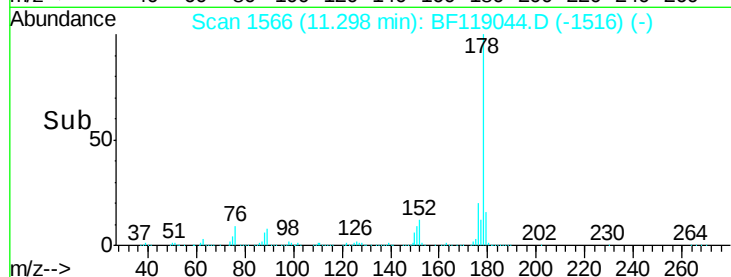
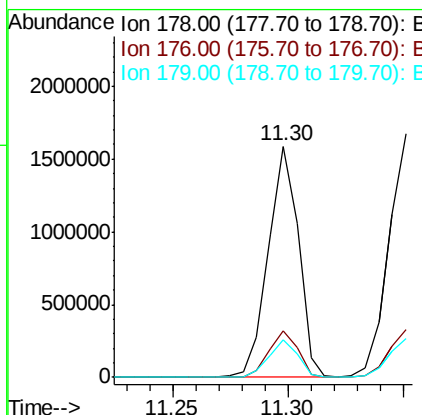
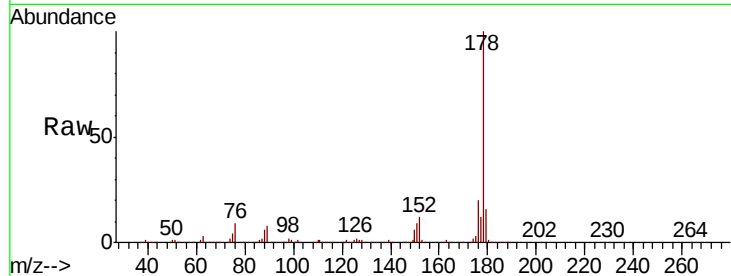
#71
Phenanthrene
Concen: 43.599 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion:178 Resp: 1448970
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 16.1 12.6 18.8

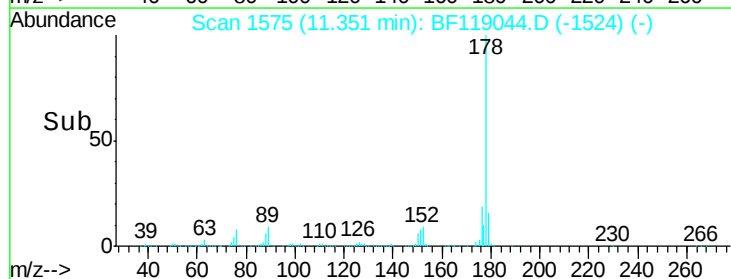
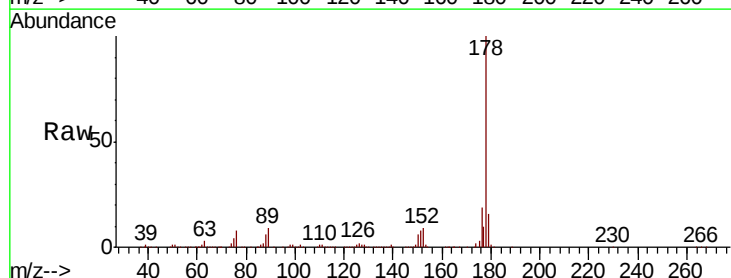
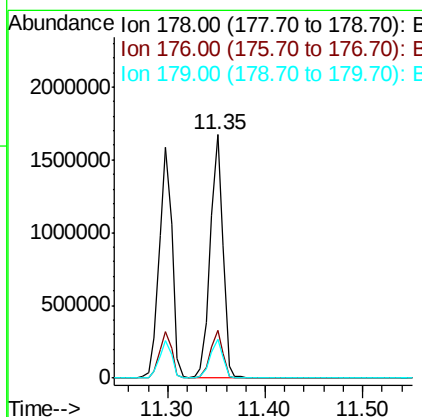
Manual Integrations
APPROVED

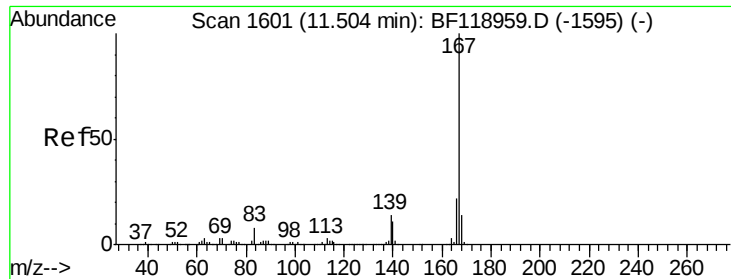
mohammad
2/25/2020 4:19:29 PM



#72
Anthracene
Concen: 45.453 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion:178 Resp: 1509320
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.8 19.2





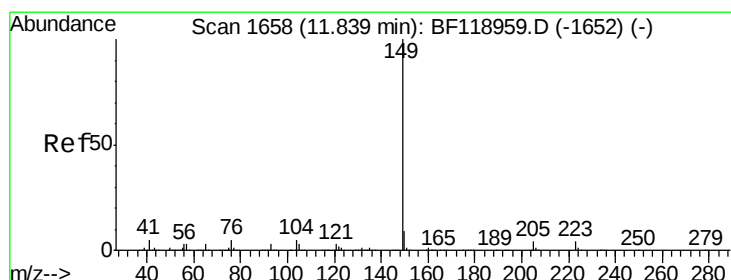
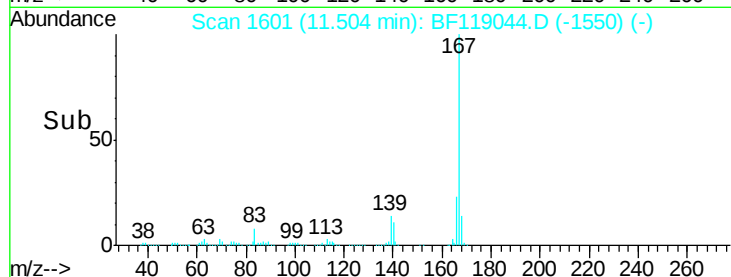
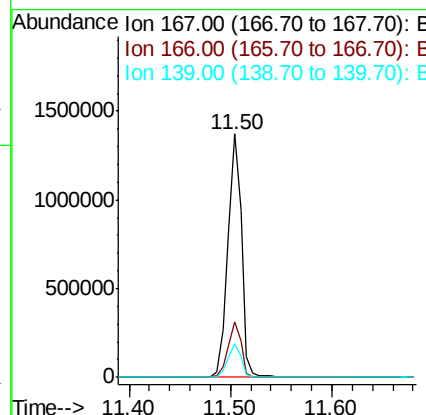
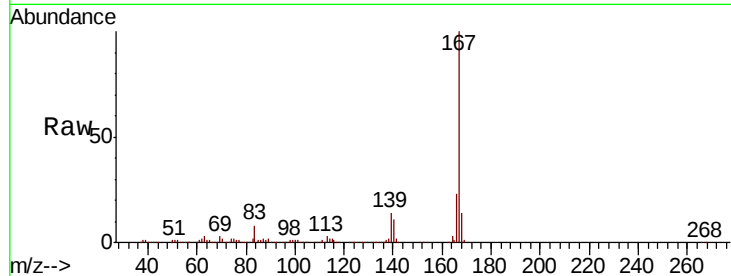
#73
 Carbazole
 Concen: 43.030 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.6
139	13.7	11.2	16.8

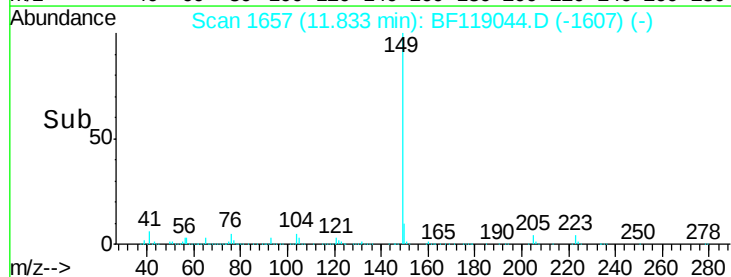
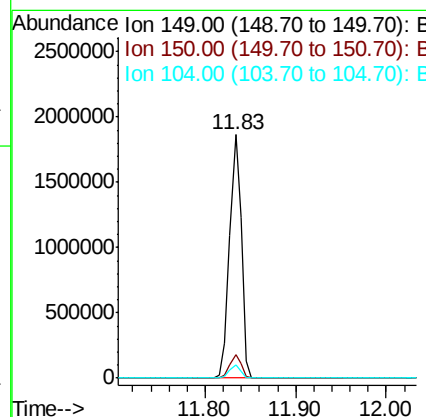
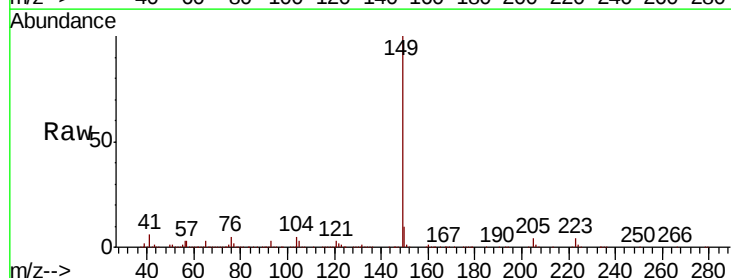
Manual Integrations
 APPROVED

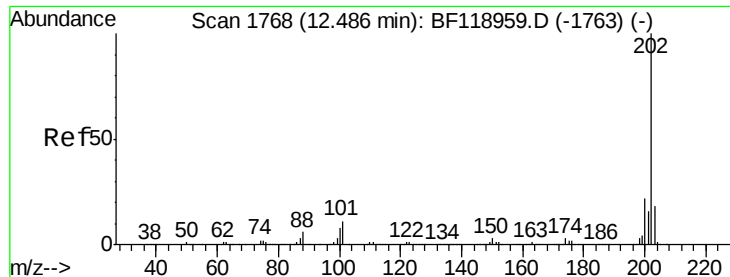
mohammad
 2/25/2020 4:19:29 PM



#74
 Di-n-butylphthalate
 Concen: 45.702 ng
 RT: 11.83 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	5.5	4.0	6.0





#75

Fluoranthene

Concen: 41.067 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

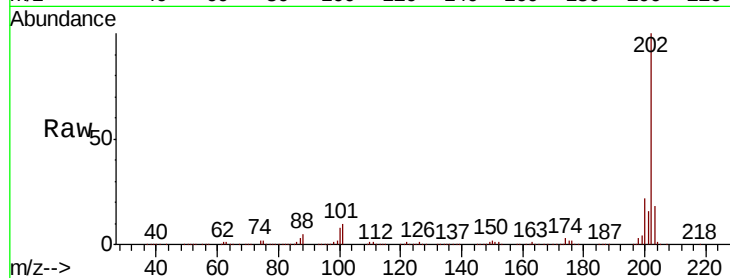
ClientSampleId :

LIED-TS001-01MS

Tot Ion:	202	Resp:	1448701
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.1
203	17.9	0.0	38.1

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM

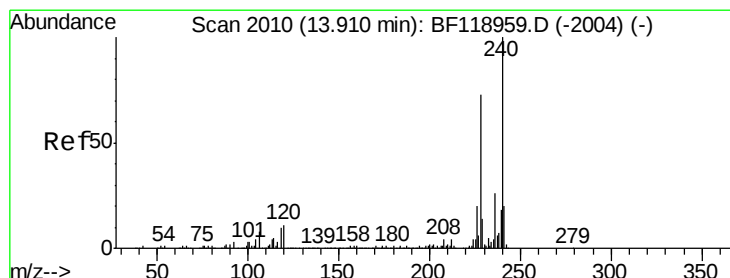
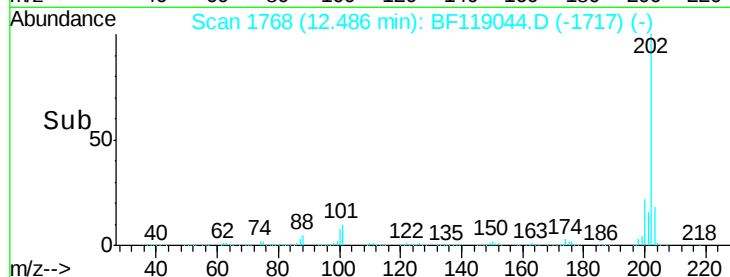
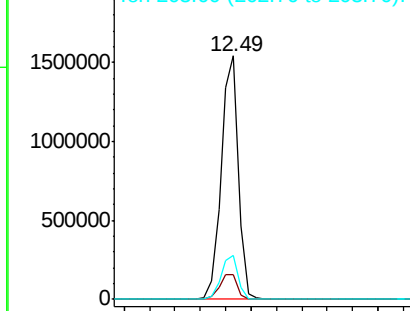


Abundance

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

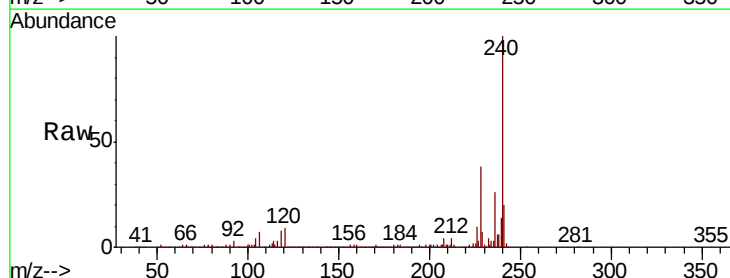
RT: 13.91 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:	240	Resp:	386223
Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.9	13.3
236	25.7	20.6	30.8

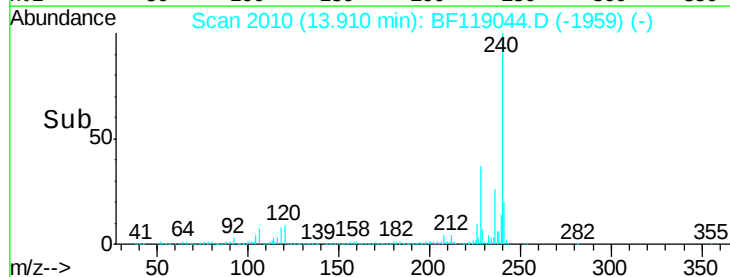
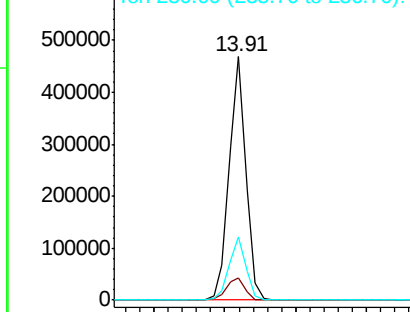


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 25.744 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

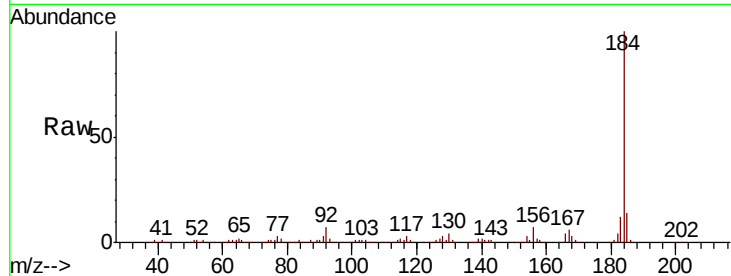
ClientSampleId :

LIED-TS001-01MS

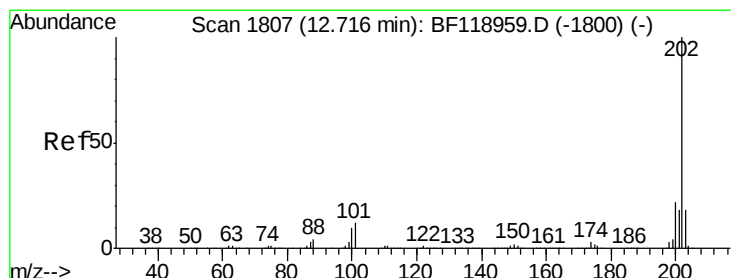
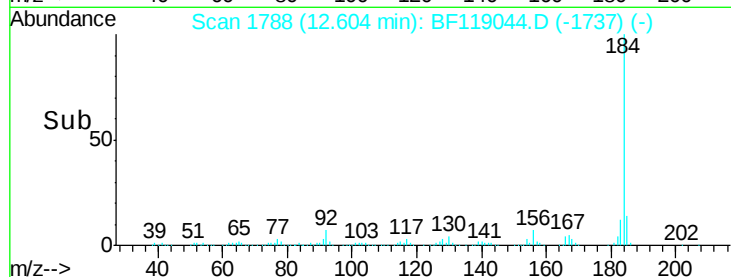
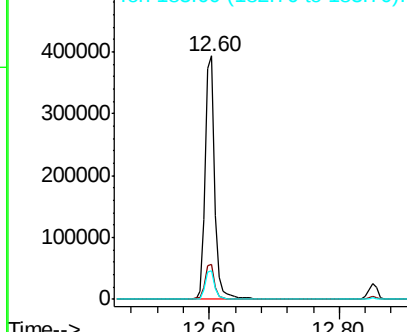
Tot Ion:184	Resp:	404366
Ion Ratio	Lower	Upper
184	100	
185	14.1	12.6 19.0
183	11.9	9.9 14.9

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 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: 45.970 ng

RT: 12.71 min Scan# 1806

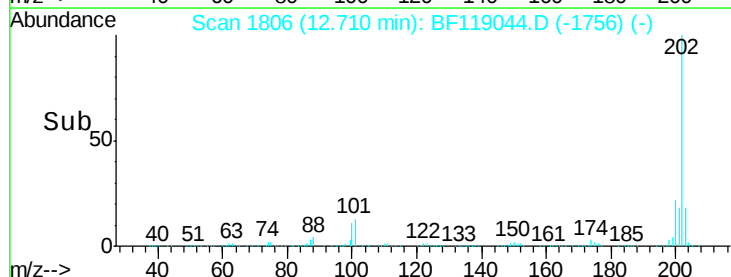
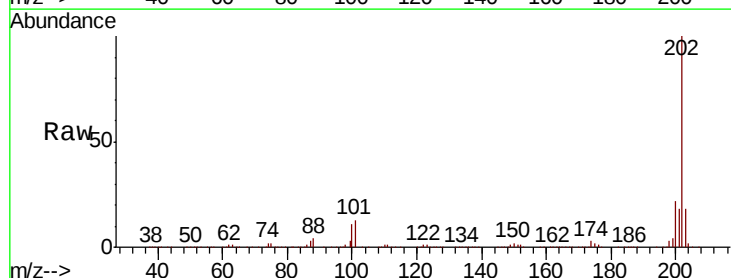
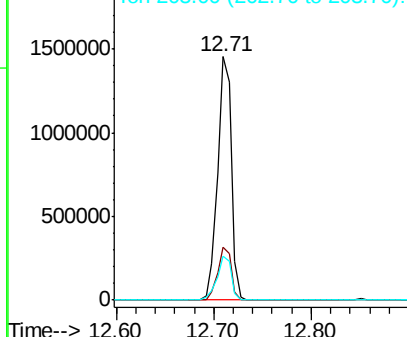
Delta R.T. -0.01 min

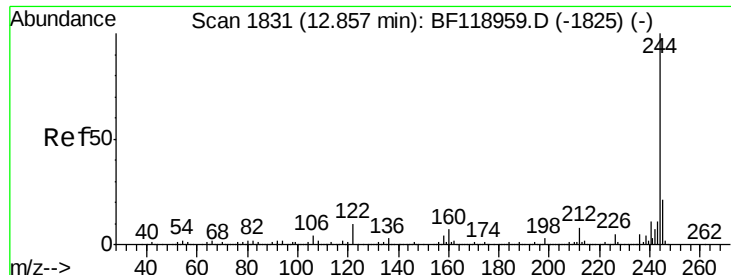
Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Tgt Ion:202	Resp:	1425680
Ion Ratio	Lower	Upper
202	100	
200	21.6	17.4 26.0
203	18.1	14.5 21.7

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





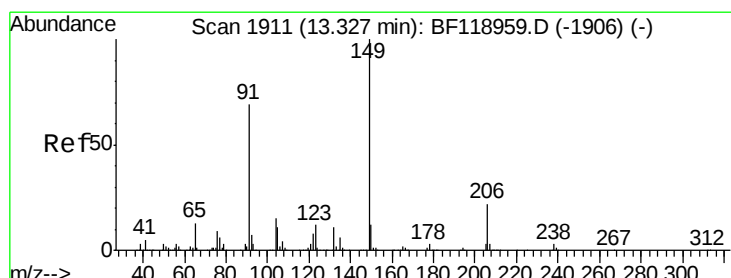
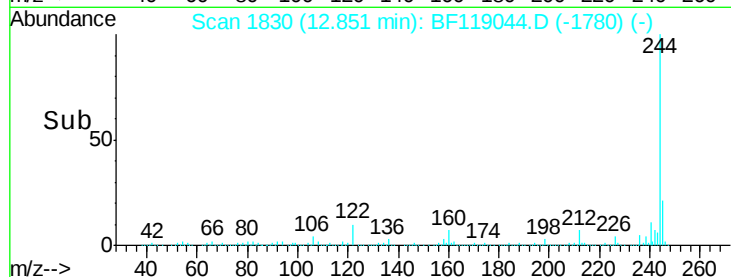
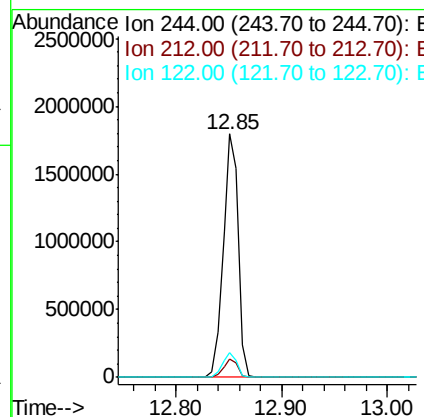
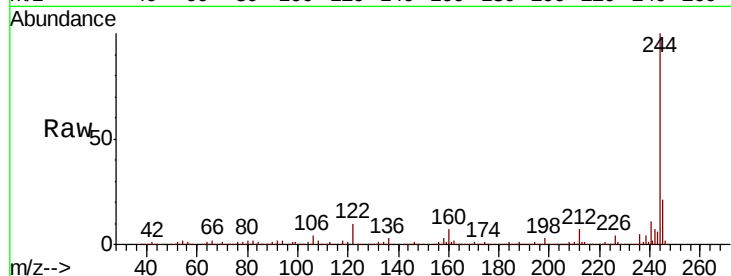
#79
 Terphenyl-d14
 Concen: 80.172 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	10.3	8.4	12.6

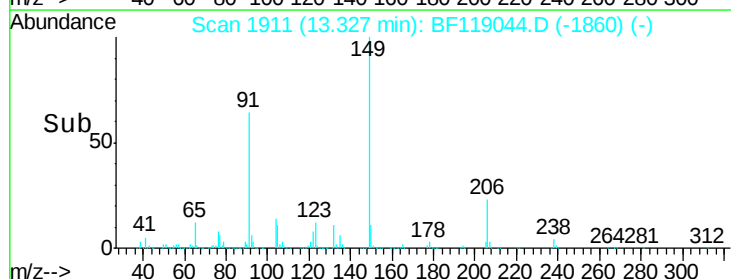
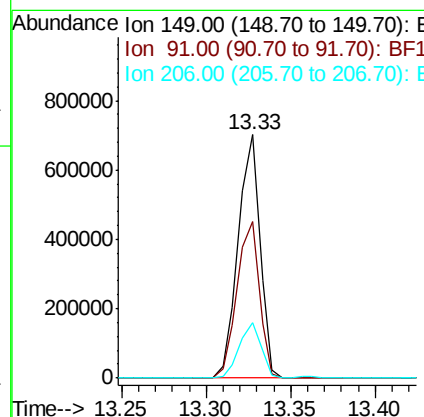
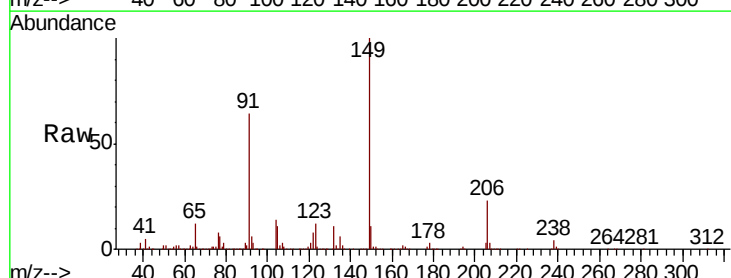
Manual Integrations
 APPROVED

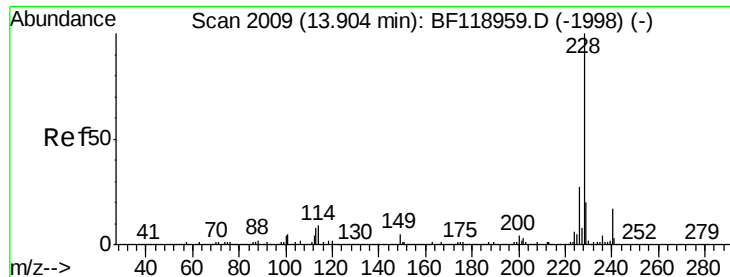
mohammad
 2/25/2020 4:19:29 PM



#80
 Butylbenzylphthalate
 Concen: 48.514 ng
 RT: 13.33 min Scan# 1911
 Delta R.T. -0.00 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.5	55.4	83.2
206	23.0	17.7	26.5





#81

Benzo(a)anthracene

Concen: 42.396 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion:228 Resp: 1115693

Ion Ratio Lower Upper

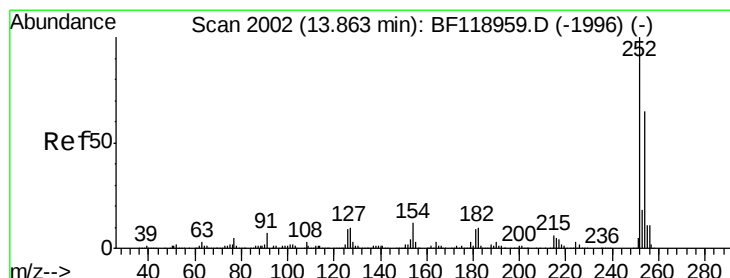
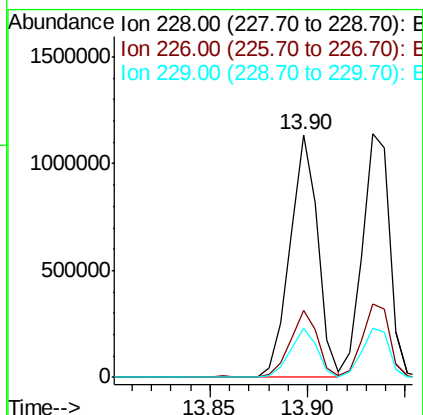
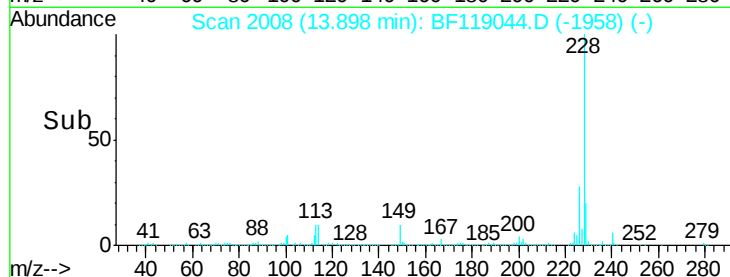
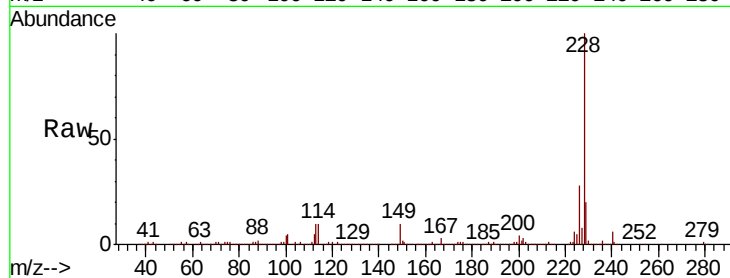
228 100

226 27.7 21.8 32.8

229 20.1 16.0 24.0

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



#82

3,3'-Dichlorobenzidine

Concen: 23.579 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

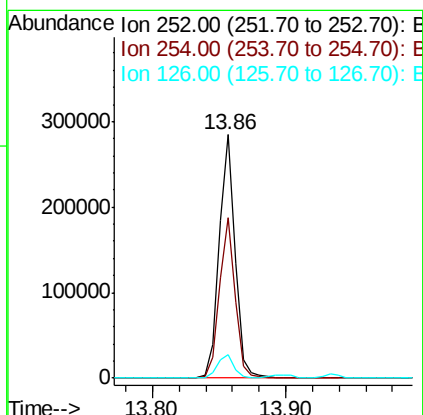
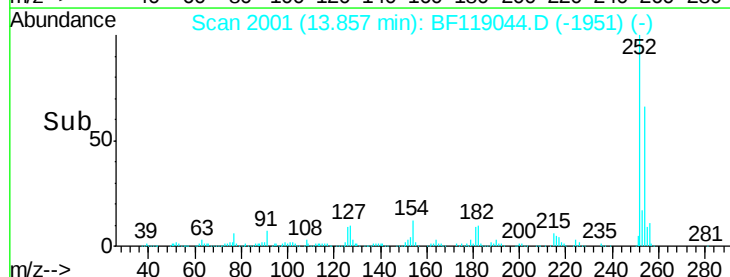
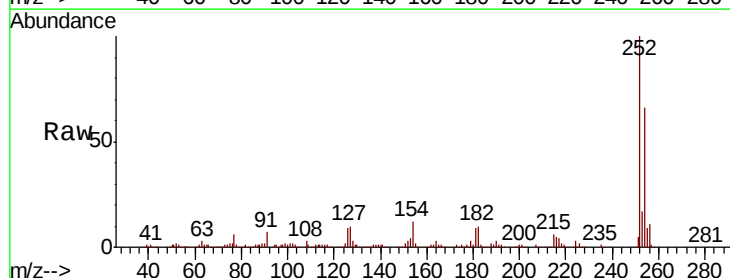
Tgt Ion:252 Resp: 240944

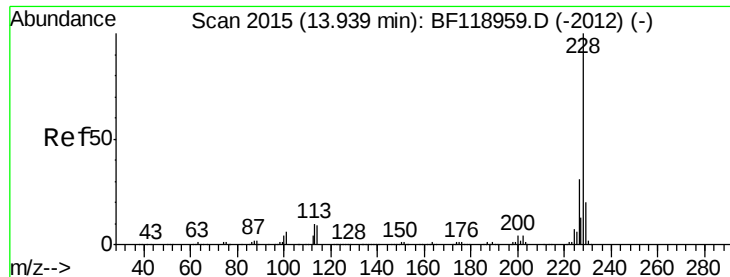
Ion Ratio Lower Upper

252 100

254 65.8 52.1 78.1

126 9.5 7.3 10.9





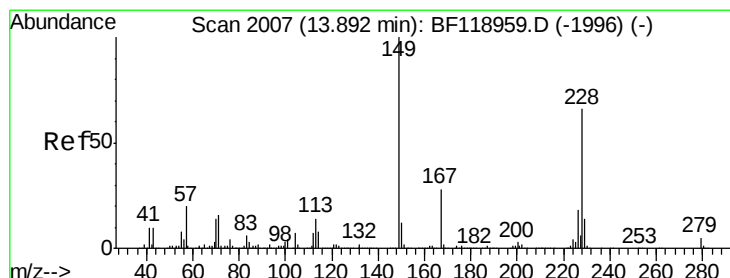
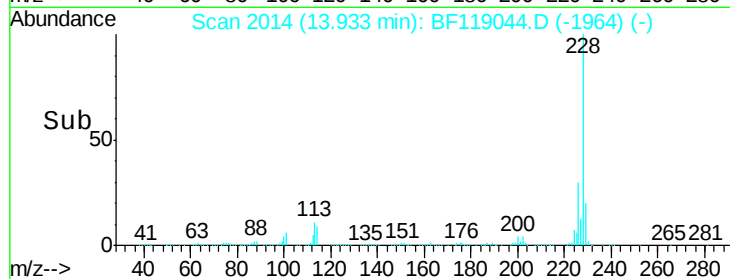
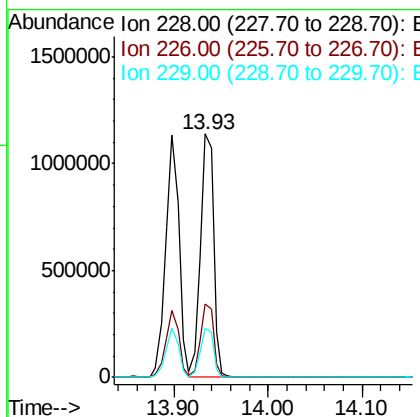
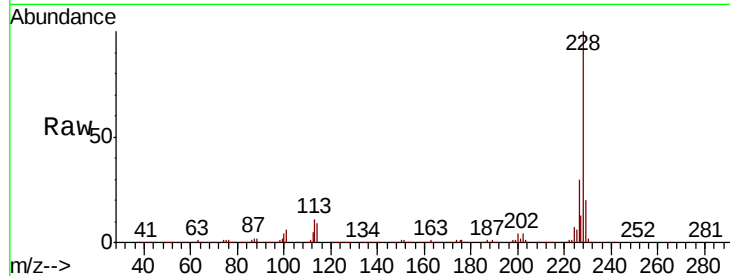
#83
 Chrvsene
 Concen: 42.339 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Instrument :
 BNA_F
 ClientSampleId :
 LIED-TS001-01MS

Tot Ion:228 Resp: 1110189
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.6 37.0
 229 20.1 16.2 24.2

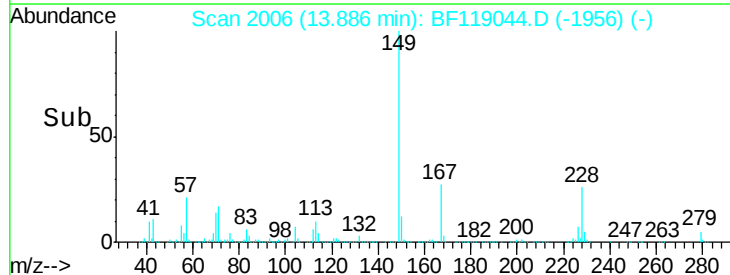
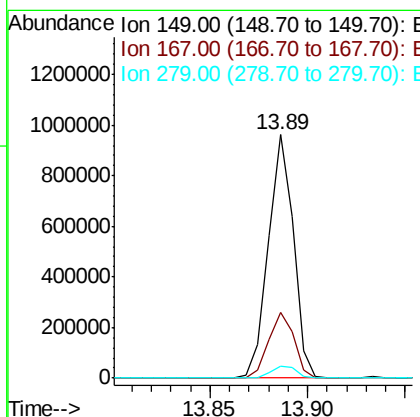
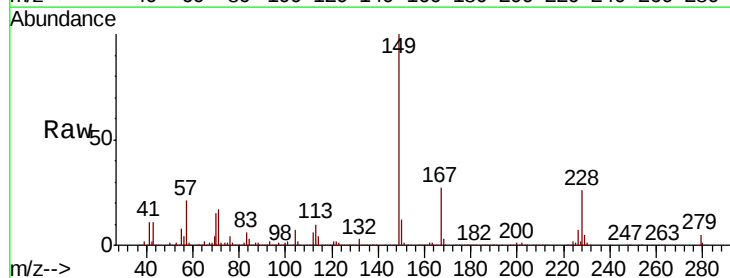
Manual Integrations
 APPROVED

mohammad
 2/25/2020 4:19:29 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 52.130 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF119044.D
 Acq: 25 Feb 2020 2:23

Tgt Ion:149 Resp: 859631
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.3 33.5
 279 4.8 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 50.992 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

Instrument :

BNA_F

ClientSampleId :

LIED-TS001-01MS

Tot Ion:149 Resp: 1339737

Ion Ratio Lower Upper

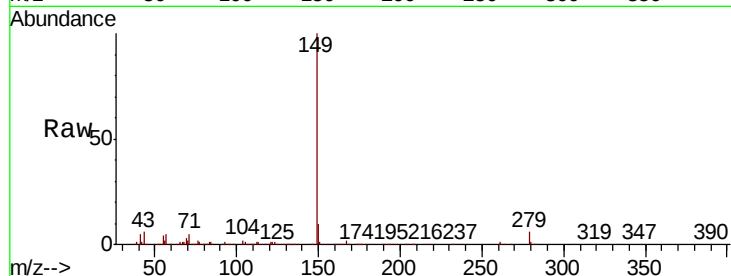
149 100

167 1.6 1.3 1.9

43 6.5 5.2 7.8

Manual Integrations
APPROVED

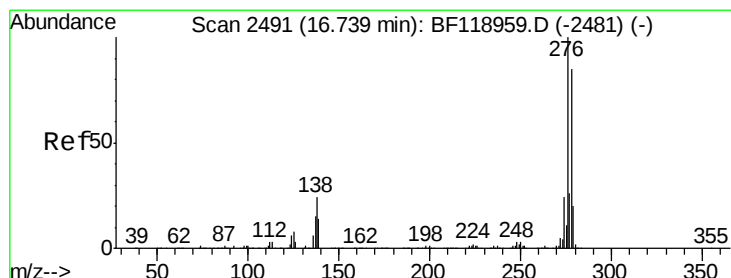
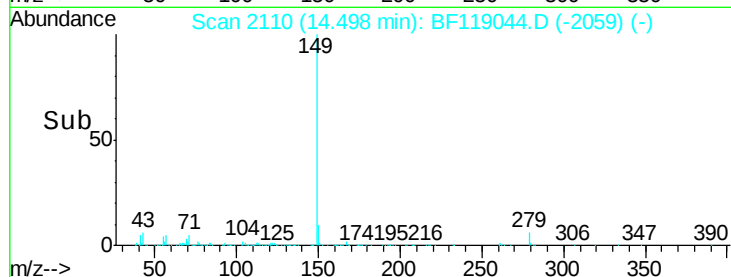
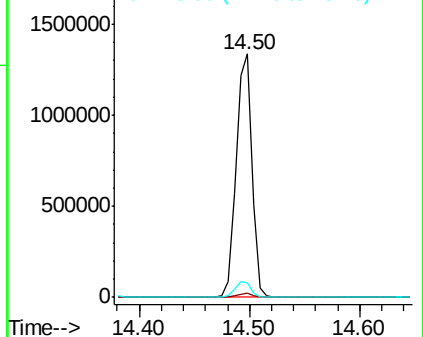
mohammad
2/25/2020 4:19:29 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.082 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.01 min

Lab File: BF119044.D

Acq: 25 Feb 2020 2:23

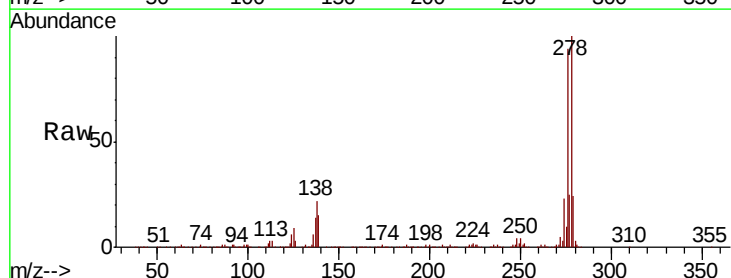
Tgt Ion:276 Resp: 1271561

Ion Ratio Lower Upper

276 100

138 21.7 18.7 28.1

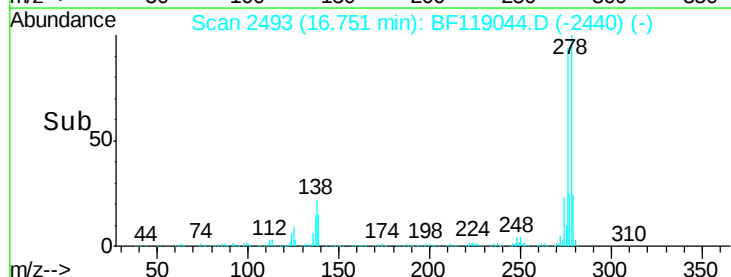
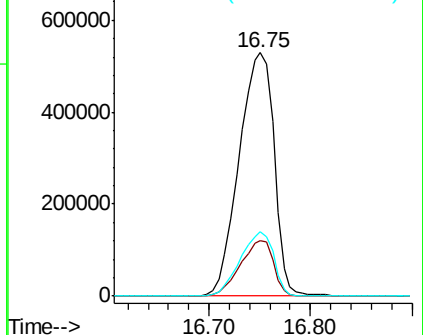
277 25.5 20.3 30.5

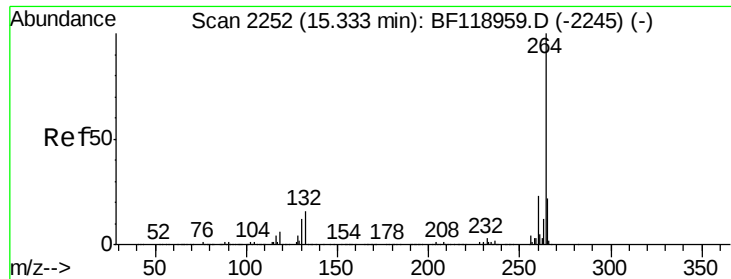


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





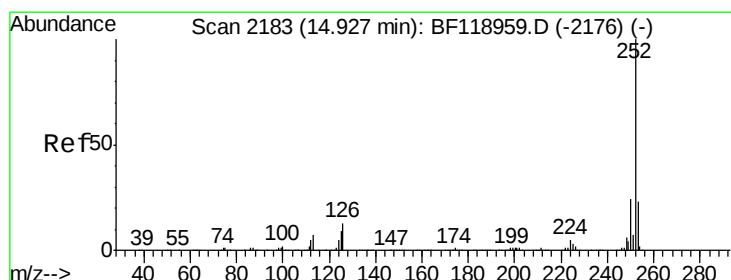
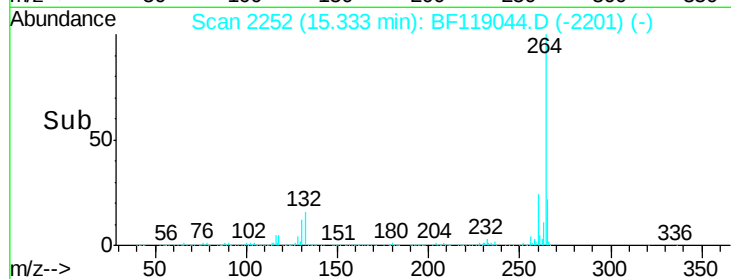
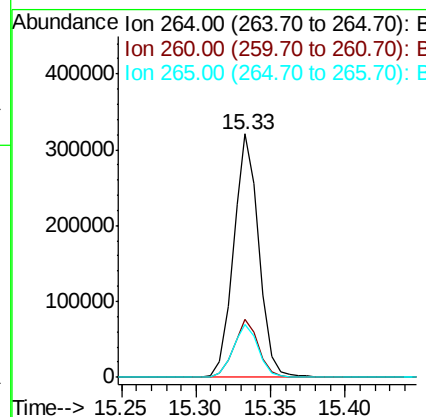
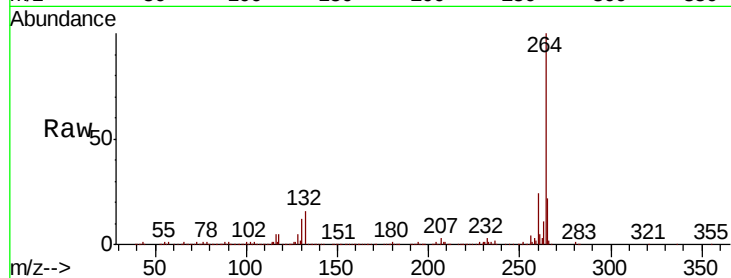
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.9	17.3	25.9

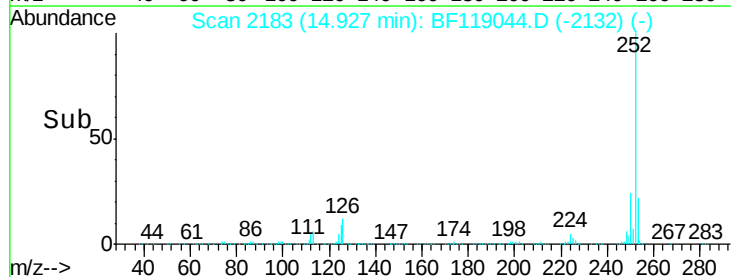
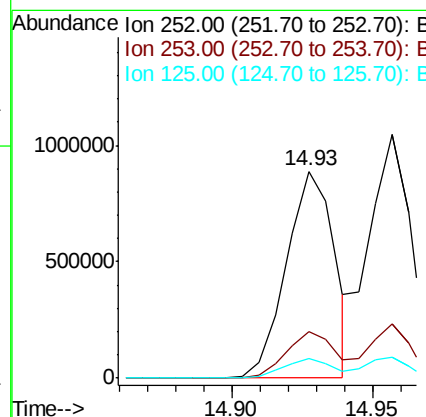
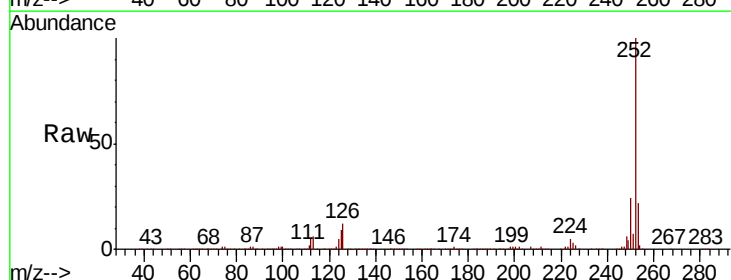
Manual Integrations
APPROVED

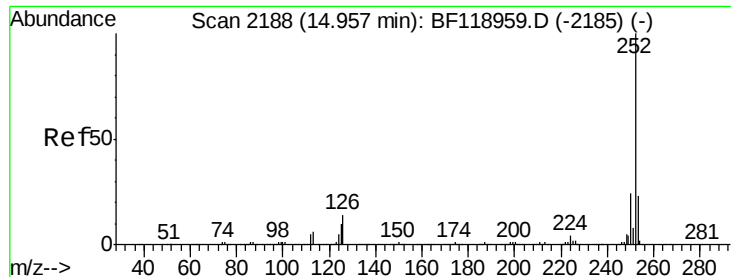
mohammad
2/25/2020 4:19:29 PM



#88
Benzo(b)fluoranthene
Concen: 41.824 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	9.4	7.4	11.0





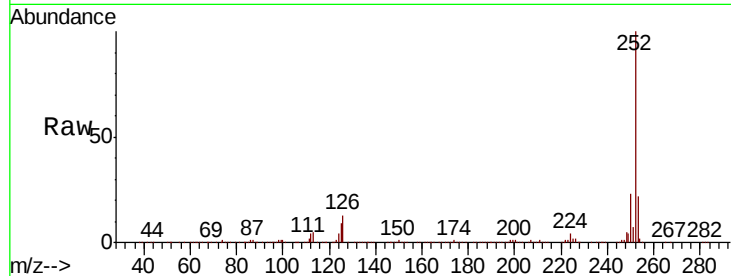
#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 14.96 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

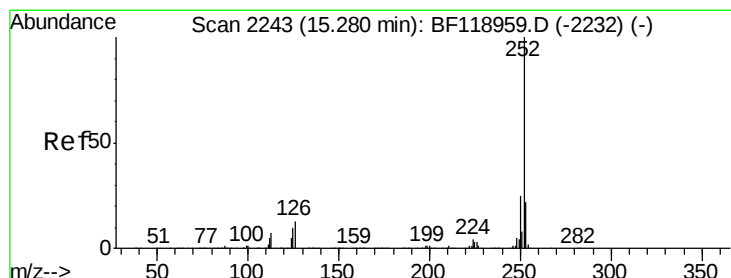
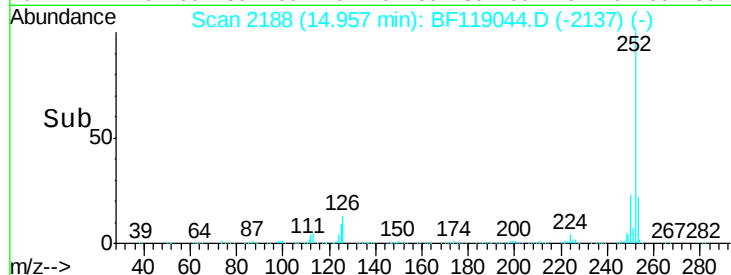
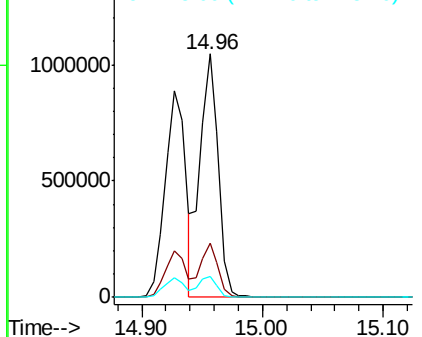
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	8.8	7.3	10.9

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



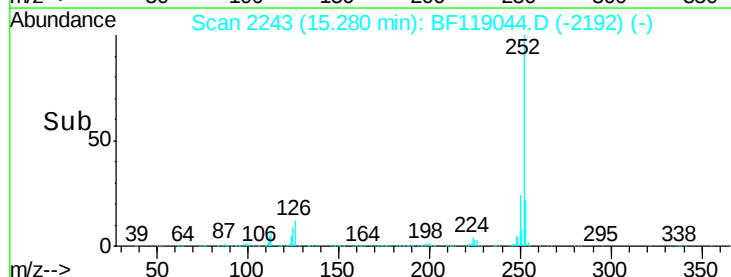
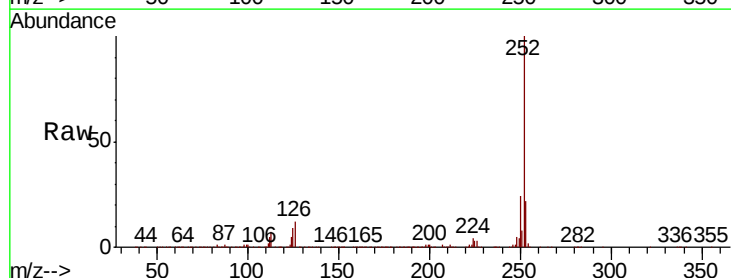
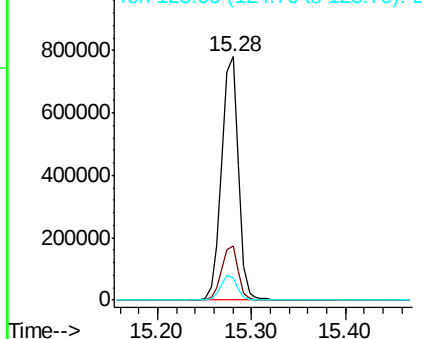
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 43.220 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	9.3	7.8	11.6

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





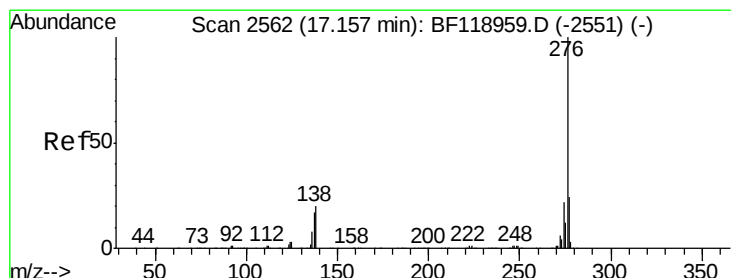
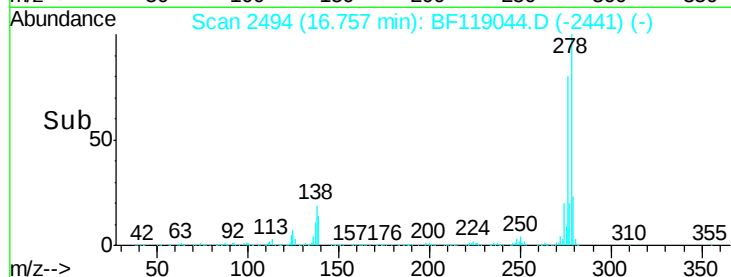
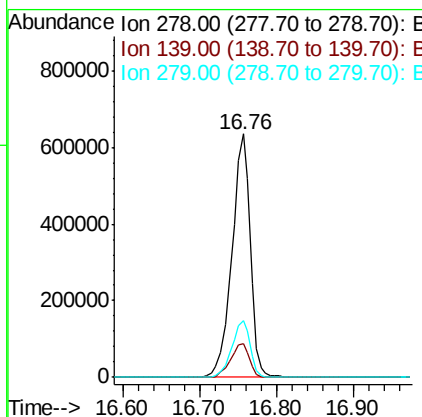
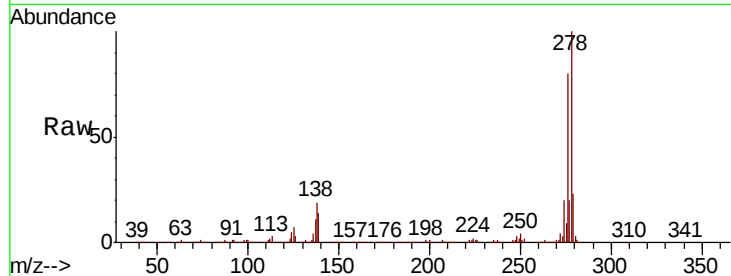
#91
Dibenzo(a,h)anthracene
Concen: 53.205 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Instrument :
BNA_F
ClientSampleId :
LIED-TS001-01MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.8	12.6	18.8
279	23.4	19.0	28.6

Manual Integrations
APPROVED

mohammad
2/25/2020 4:19:29 PM



#92
Benzo(g,h,i)perylene
Concen: 55.937 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.01 min
Lab File: BF119044.D
Acq: 25 Feb 2020 2:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	19.1	16.2	24.4

