

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119771.D
 Acq On : 6 Apr 2020 14:58
 Operator : MA/SJ
 Sample : PB128003BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:12:26 AM

Quant Time: Apr 06 15:29:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	142814	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	543749	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	281193	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	533378	20.00	ng	0.00
76) Chrysene-d12	13.96	240	401299	20.00	ng	0.00
87) Perylene-d12	15.40	264	444436	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1060774	118.24	ng	0.01
7) Phenol-d6	6.42	99	1351085	117.89	ng	0.00
23) Nitrobenzene-d5	7.35	82	829179	82.88	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	409052	141.01	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1585438	83.53	ng	0.00
79) Terphenyl-d14	12.90	244	1789083	87.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	147186	33.219	ng	98
3) Pyridine	3.26	79	410797	33.653	ng	98
4) n-Nitrosodimethylamine	3.21	42	232249	39.016	ng	98
6) Aniline	6.44	93	443076	28.013	ng	98
8) 2-Chlorophenol	6.56	128	428522	45.479	ng	99
9) Benzaldehyde	6.33	77	216869	29.831	ng	99
10) Phenol	6.43	94	542456	44.361	ng	99
11) bis(2-Chloroethyl)ether	6.52	93	398880	40.785	ng	99
12) 1,3-Dichlorobenzene	6.72	146	430756	42.240	ng	98
13) 1,4-Dichlorobenzene	6.80	146	443035	43.433	ng	98
14) 1,2-Dichlorobenzene	6.95	146	416700	43.705	ng	100
15) Benzyl Alcohol	6.93	79	352693	40.913	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.06	45	732135	37.113	ng	100
17) 2-Methylphenol	7.04	107	338315	39.188	ng	98
18) Hexachloroethane	7.30	117	162314	43.421	ng	93
19) n-Nitroso-di-n-propylamine	7.20	70	285664	41.355	ng	99
20) 3+4-Methylphenols	7.19	107	424297	40.103	ng	# 76
22) Acetophenone	7.19	105	554337	42.665	ng	# 89
24) Nitrobenzene	7.36	77	441886	41.328	ng	99
25) Isophorone	7.60	82	782241	38.543	ng	97
26) 2-Nitrophenol	7.68	139	223632	53.120	ng	96
27) 2,4-Dimethylphenol	7.72	122	349139	40.107	ng	96
28) bis(2-Chloroethoxy)methane	7.82	93	485324	40.439	ng	99
29) 2,4-Dichlorophenol	7.93	162	338196	42.282	ng	97
30) 1,2,4-Trichlorobenzene	8.01	180	374832	42.375	ng	98
31) Naphthalene	8.09	128	1207593	43.156	ng	98
32) Benzoic acid	7.84	122	274543	49.029	ng	93
33) 4-Chloroaniline	8.14	127	246844	19.252	ng	97
34) Hexachlorobutadiene	8.21	225	214511	43.343	ng	99
35) Caprolactam	8.50	113	109084m	41.671	ng	
36) 4-Chloro-3-methylphenol	8.62	107	368589	42.162	ng	96
37) 2-Methylnaphthalene	8.79	142	793980	43.235	ng	98
38) 1-Methylnaphthalene	8.88	142	759047	43.668	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.95	216	349015	42.346	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119771.D
 Acq On : 6 Apr 2020 14:58
 Operator : MA/SJ
 Sample : PB128003BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

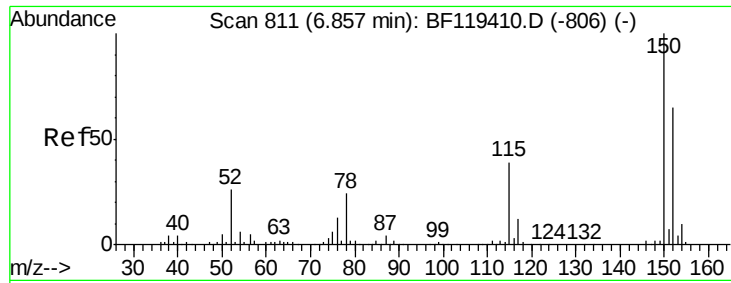
Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:12:26 AM

Quant Time: Apr 06 15:29:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.94	237	435551	92.954	nq	99
43) 2,4,6-Trichlorophenol	9.06	196	251979	42.722	nq	100
44) 2,4,5-Trichlorophenol	9.10	196	272149	41.189	nq	93
46) 1,1'-Biphenyl	9.25	154	970381	42.371	nq	97
47) 2-Chloronaphthalene	9.27	162	758613	42.288	nq	97
48) 2-Nitroaniline	9.37	65	261537	42.238	nq	95
49) Acenaphthylene	9.69	152	1184626	42.051	nq	97
50) Dimethylphthalate	9.55	163	850432	42.579	nq	100
51) 2,6-Dinitrotoluene	9.61	165	194058	45.328	nq #	89
52) Acenaphthene	9.86	154	781421	44.494	nq	99
53) 3-Nitroaniline	9.78	138	139014	25.720	nq	90
54) 2,4-Dinitrophenol	9.89	184	245707	127.852	nq	91
55) Dibenzofuran	10.03	168	1068972	42.454	nq	100
56) 4-Nitrophenol	9.95	139	363998	85.371	nq	94
57) 2,4-Dinitrotoluene	10.02	165	261806	48.545	nq	92
58) Fluorene	10.37	166	822489	44.172	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.15	232	226996	45.961	nq	98
60) Diethylphthalate	10.25	149	862836	42.564	nq	99
61) 4-Chlorophenyl-phenylether	10.37	204	394607	43.337	nq	99
62) 4-Nitroaniline	10.39	138	209180	40.360	nq	99
63) Azobenzene	10.53	77	831390	40.727	nq	97
65) 4,6-Dinitro-2-methylphenol	10.42	198	148773	66.518	nq	84
66) n-Nitrosodiphenylamine	10.49	169	778905	44.483	nq	100
67) 4-Bromophenyl-phenylether	10.86	248	252723	41.604	nq	98
68) Hexachlorobenzene	10.93	284	272666	43.857	nq #	88
69) Atrazine	11.02	200	235406	49.039	nq	100
70) Pentachlorophenol	11.12	266	329626	90.422	nq	99
71) Phenanthrene	11.34	178	1222119	44.188	nq	99
72) Anthracene	11.39	178	1257259	44.728	nq	98
73) Carbazole	11.55	167	1221753	43.913	nq	98
74) Di-n-butylphthalate	11.88	149	1371279	46.074	nq	99
75) Fluoranthene	12.53	202	1314209	43.907	nq	98
77) Benzidine	12.65	184	488505	28.764	nq	98
78) Pyrene	12.76	202	1342565	40.765	nq	98
80) Butylbenzylphthalate	13.38	149	569872	42.782	nq	100
81) Benzo(a)anthracene	13.94	228	1100830	42.184	nq	99
82) 3,3'-Dichlorobenzidine	13.91	252	308630	29.995	nq	98
83) Chrysene	13.99	228	1170939	43.478	nq	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	737361	46.436	nq	99
85) Di-n-octyl phthalate	14.55	149	1361353	48.747	nq	98
86) Indeno(1,2,3-cd)pyrene	16.83	276	1307821	51.561	nq	99
88) Benzo(b)fluoranthene	14.98	252	1219534	41.078	nq	98
89) Benzo(k)fluoranthene	15.02	252	1060043	37.498	nq	98
90) Benzo(a)pyrene	15.34	252	1107903	41.063	nq	98
91) Dibenzo(a,h)anthracene	16.84	278	1083156	45.899	nq	99
92) Benzo(g,h,i)perylene	17.26	276	1127934	47.576	nq	98

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



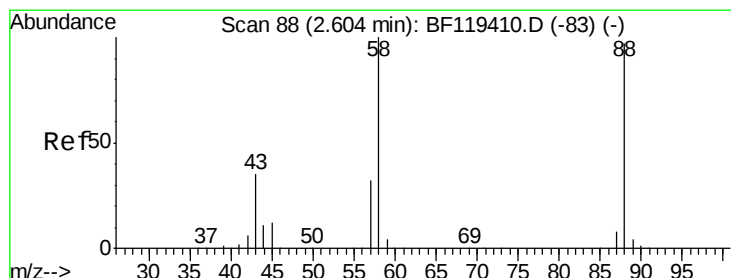
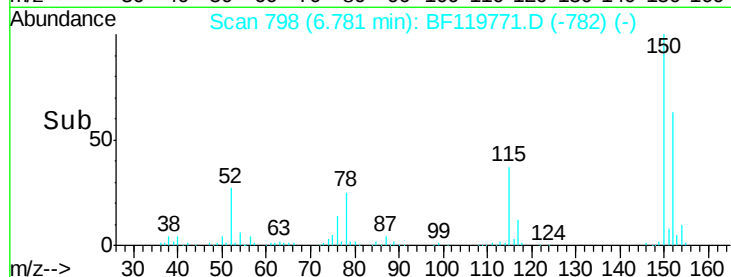
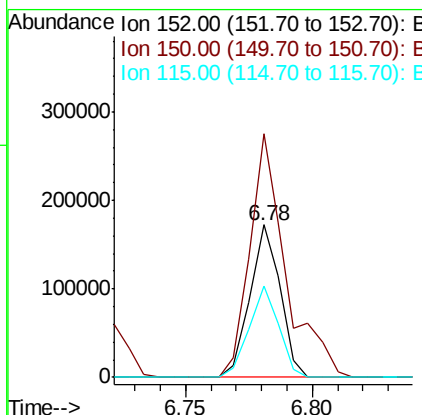
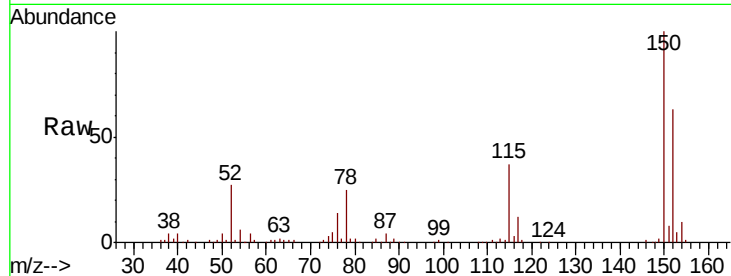
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.5	186.7
115	59.7	49.6	74.4

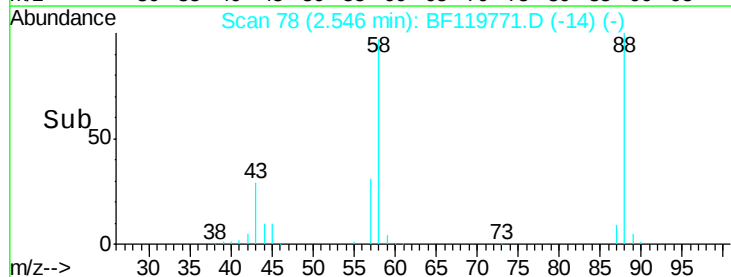
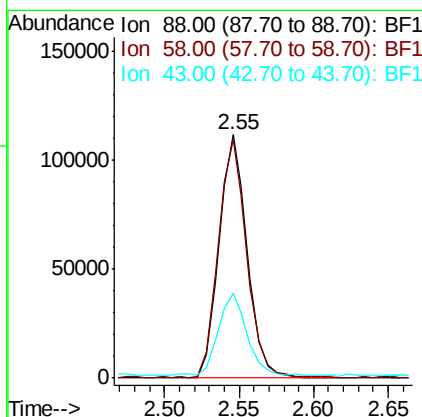
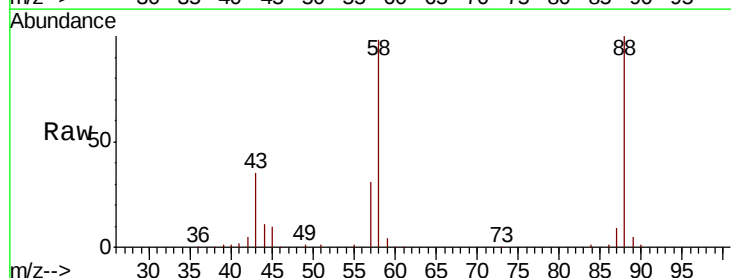
Manual Integrations
 APPROVED

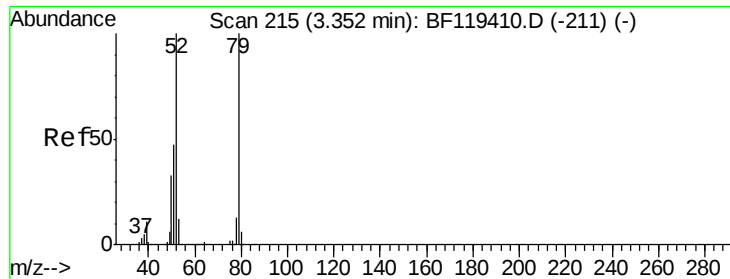
mohammad
 4/8/2020 8:12:26 AM



#2
 1,4-Dioxane
 Concen: 33.219 ng
 RT: 2.55 min Scan# 78
 Delta R.T. 0.08 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.5	80.6	121.0
43	34.2	27.5	41.3





#3

Pvridine

Concen: 33.653 ng

RT: 3.26 min Scan# 200

Delta R.T. 0.07 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

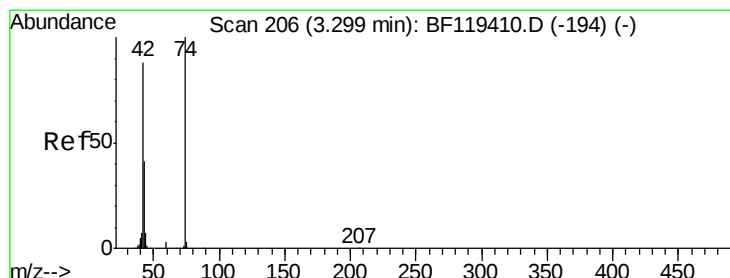
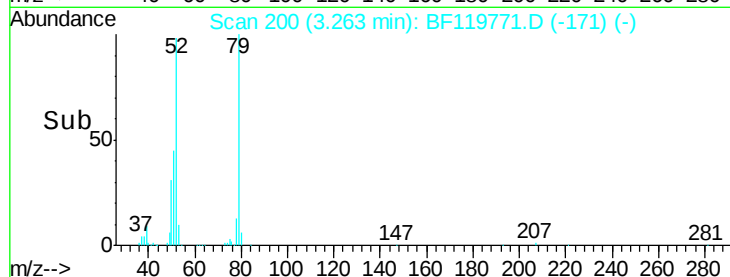
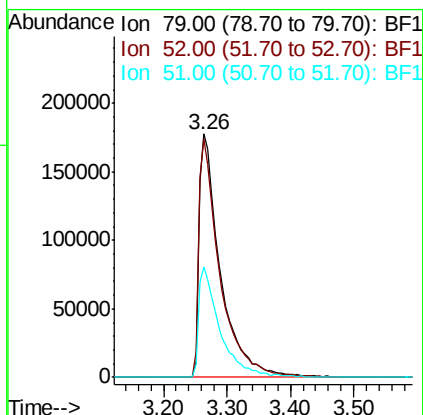
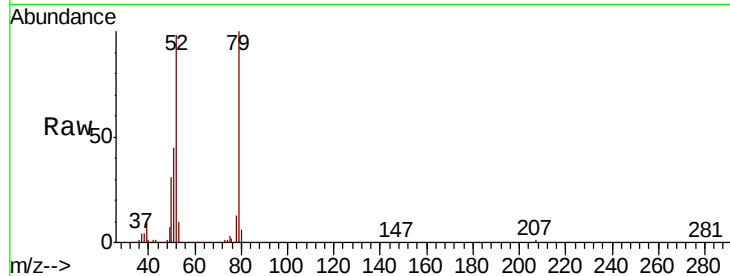
ClientSampleId :

PB128003BSD

Tot Ion:	79	Resp:	410797
Ion	Ratio	Lower	Upper
79	100		
52	98.1	80.2	120.2
51	45.3	37.7	56.5

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#4

n-Nitrosodimethylamine

Concen: 39.016 ng

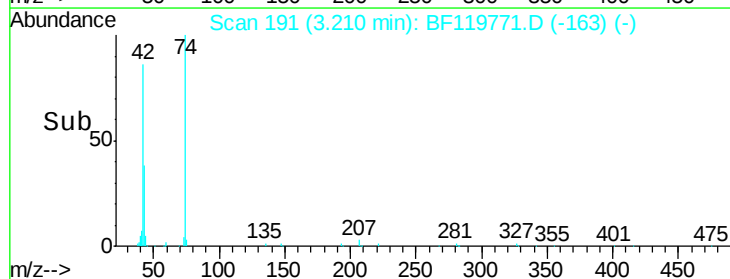
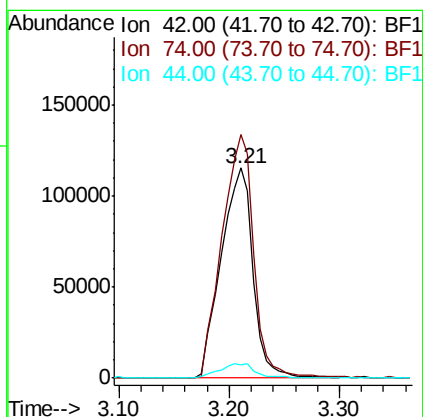
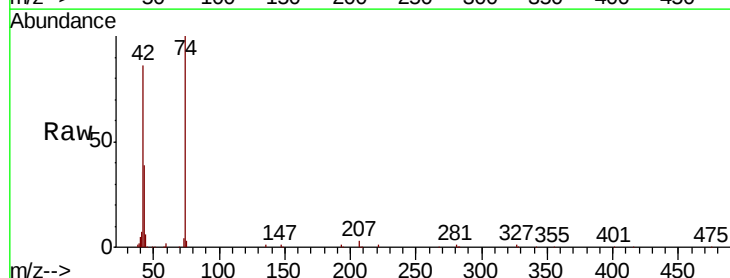
RT: 3.21 min Scan# 191

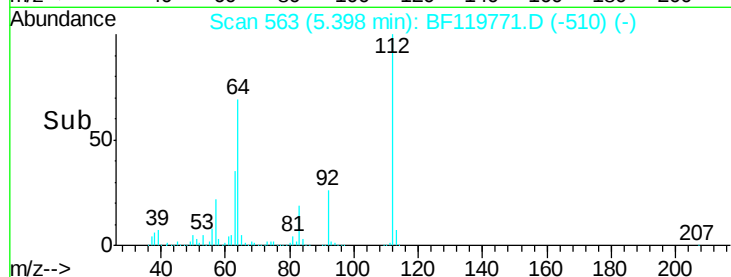
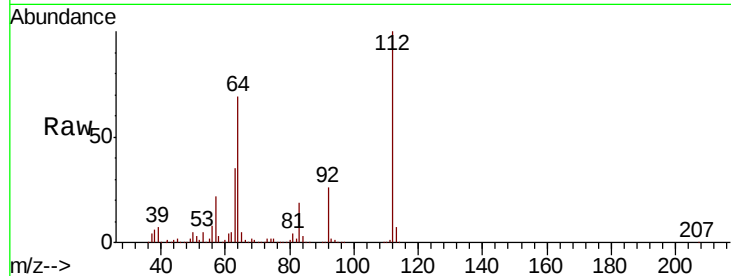
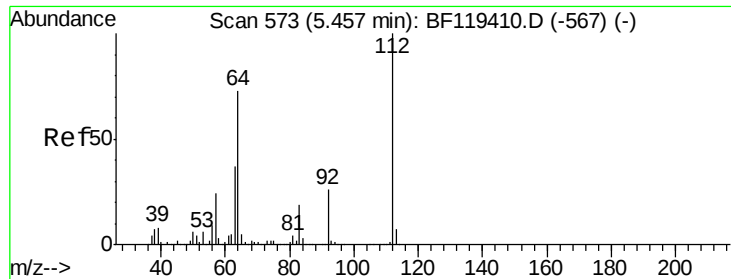
Delta R.T. 0.06 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tgt Ion:	42	Resp:	232249
Ion	Ratio	Lower	Upper
42	100		
74	115.9	91.5	137.3
44	6.4	6.2	9.4





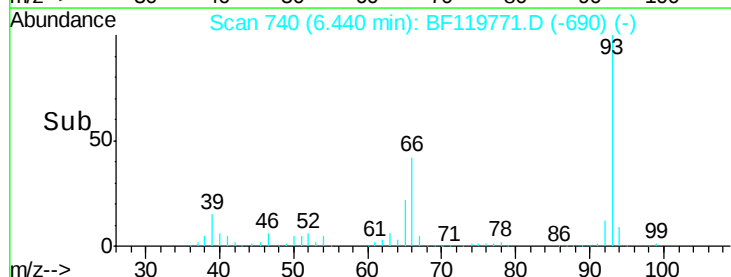
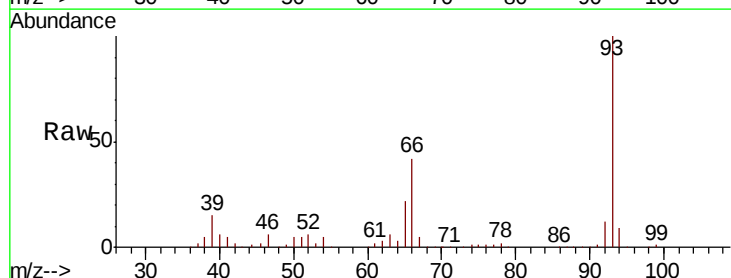
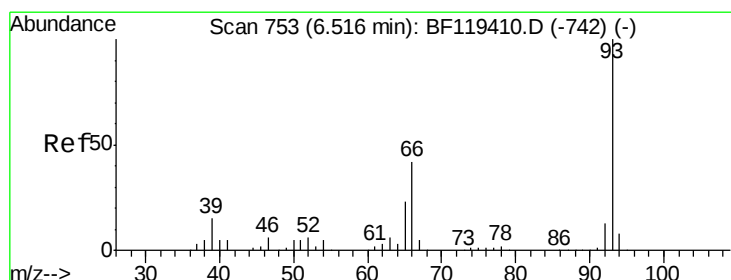
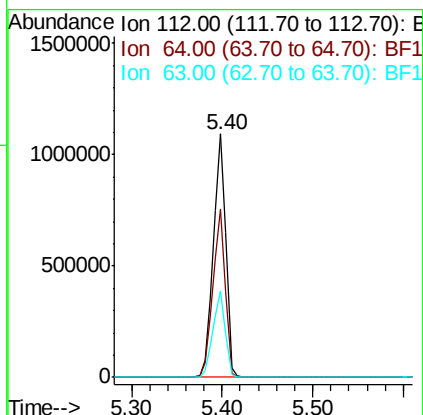
#5
2-Fluorophenol
Concen: 118.241 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tot Ion	Ratio	Lower	Upper
112	100		
64	69.2	56.7	85.1
63	35.5	29.5	44.3

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

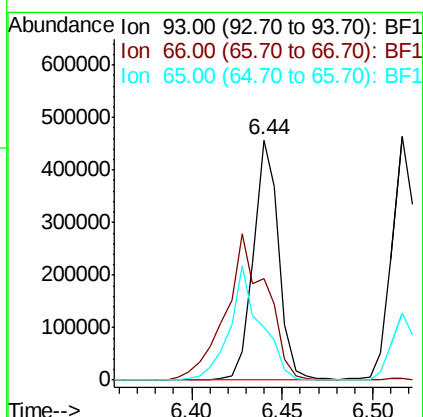
Manual Integrations
APPROVED

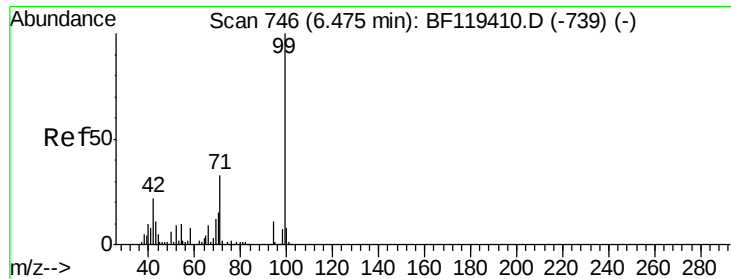
mohammad
4/8/2020 8:12:26 AM



#6
Aniline
Concen: 28.013 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
93	100		
66	42.3	34.9	52.3
65	22.0	18.6	27.8





#7

Phenol-d6

Concen: 117.894 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion: 99 Resp: 1351085

Ion Ratio Lower Upper

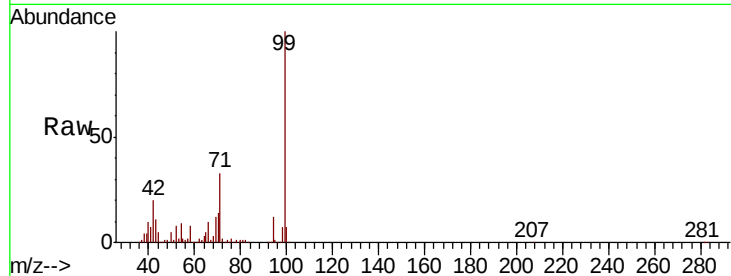
99 100

42 20.3 16.6 24.8

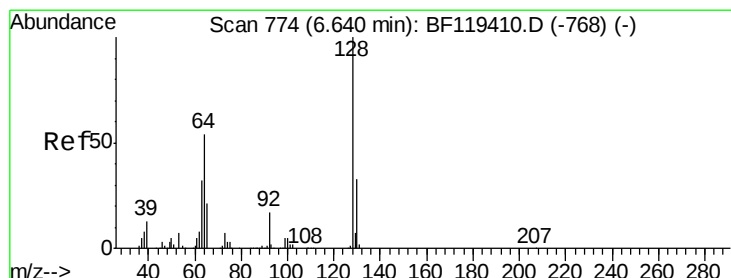
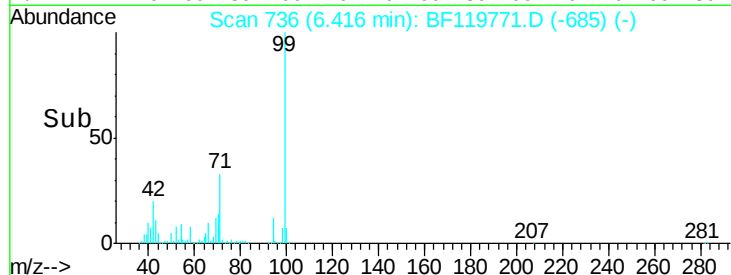
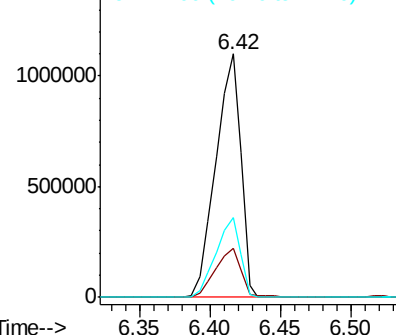
71 32.5 26.4 39.6

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.479 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

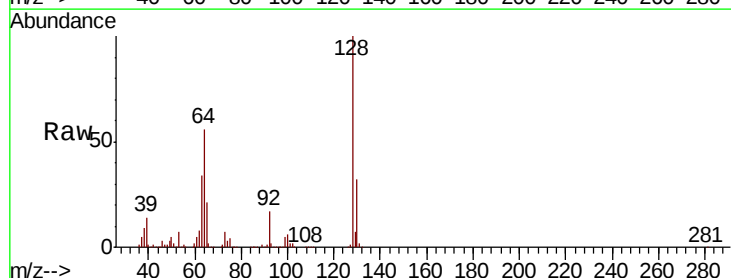
Tgt Ion: 128 Resp: 428522

Ion Ratio Lower Upper

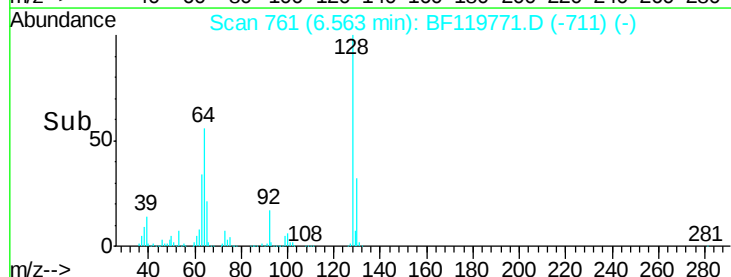
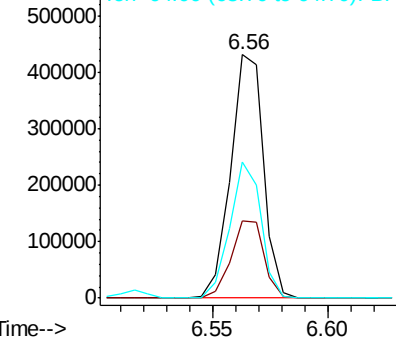
128 100

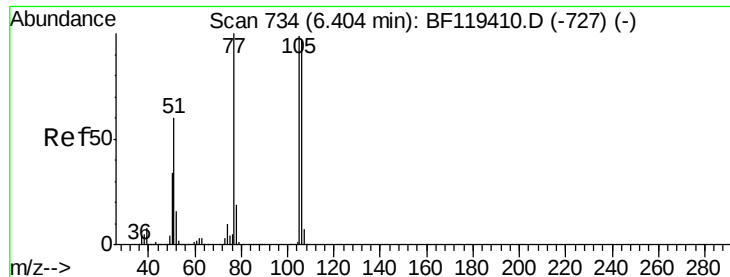
130 31.8 12.6 52.6

64 56.1 35.3 75.3



Abundance Ion 128.00 (127.70 to 128.70): E
600000 Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 29.831 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion: 77 Resp: 216869

Ion Ratio Lower Upper

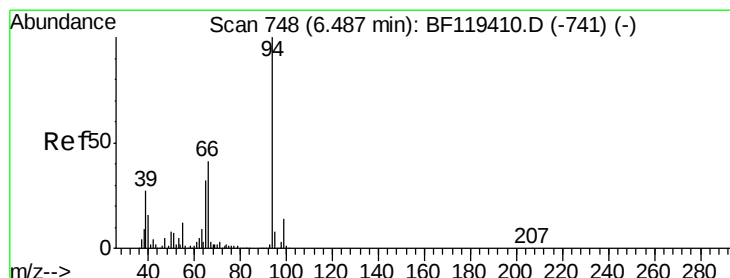
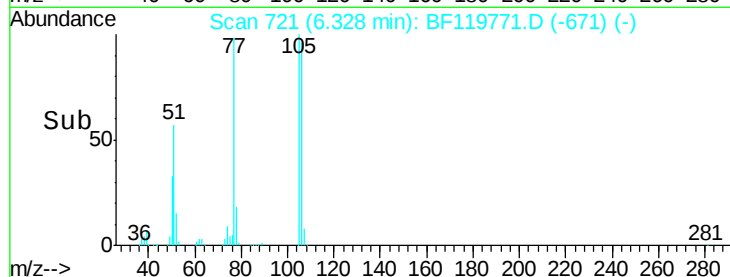
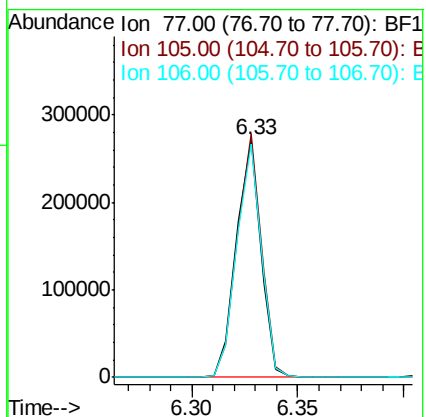
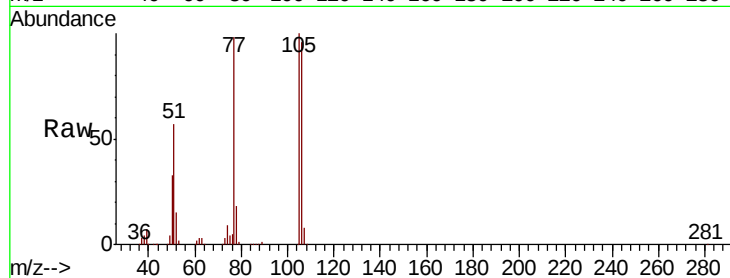
77 100

105 102.5 80.9 120.9

106 98.3 77.9 117.9

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#10

Phenol

Concen: 44.361 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

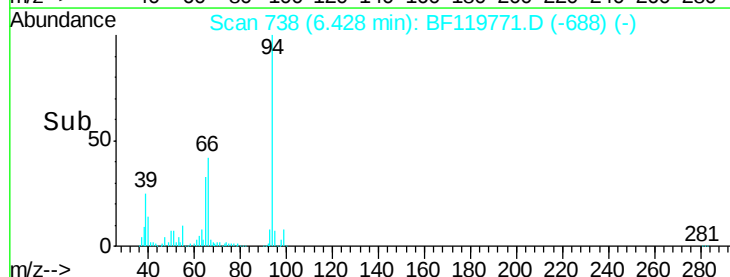
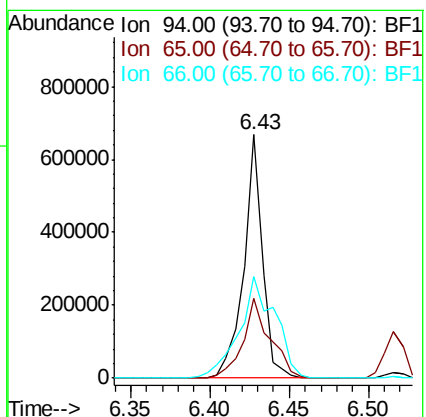
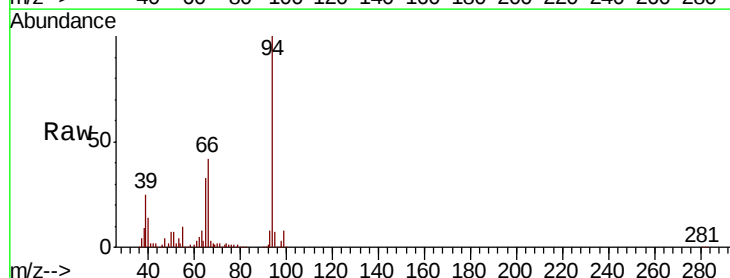
Tgt Ion: 94 Resp: 542456

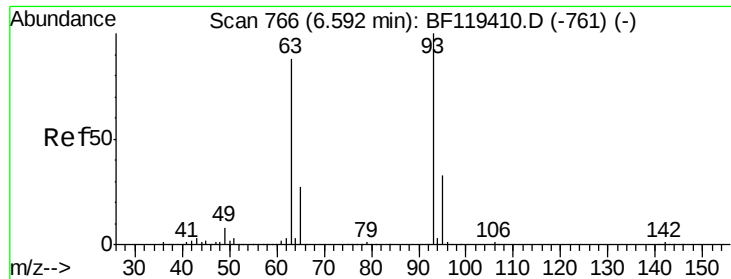
Ion Ratio Lower Upper

94 100

65 32.7 13.2 53.2

66 41.6 22.3 62.3





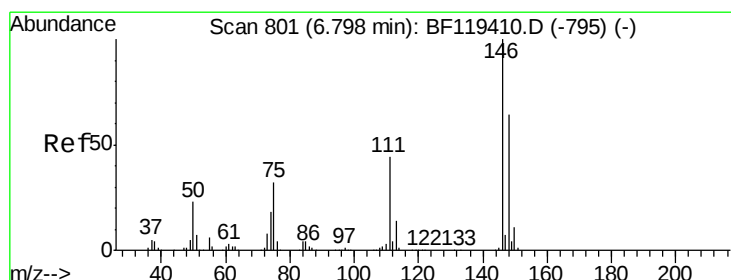
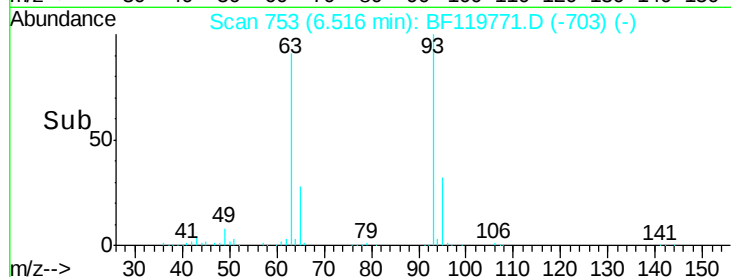
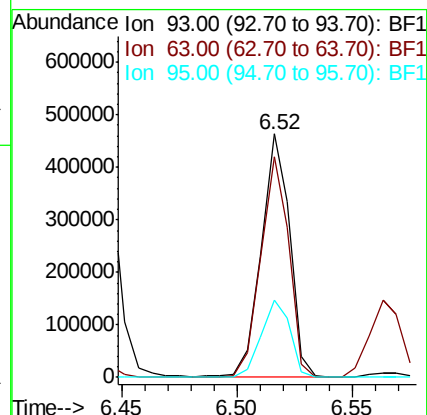
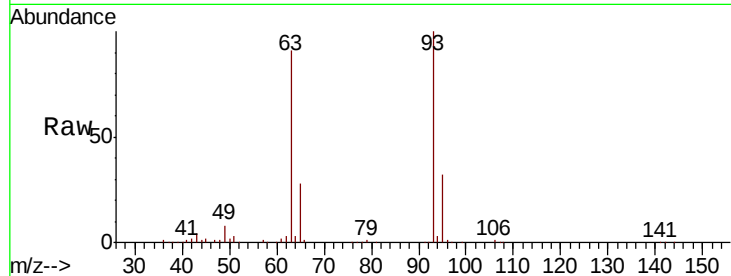
#11
bis(2-Chloroethyl)ether
Concen: 40.785 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	398880		
63	90.9	70.2	110.2	
95	32.0	13.4	53.4	

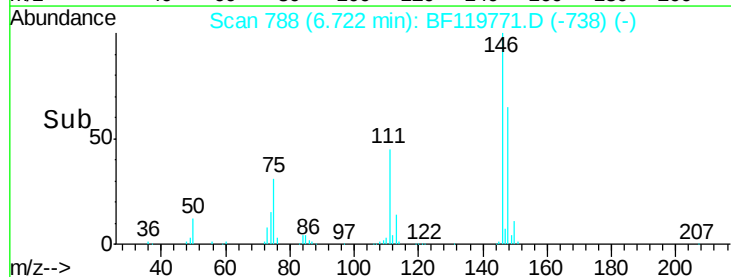
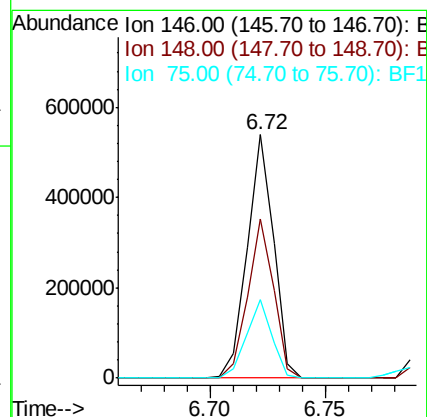
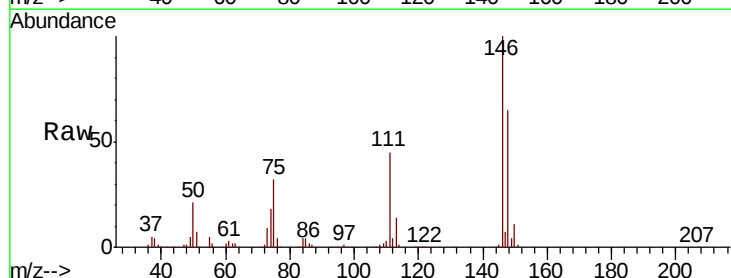
Manual Integrations
APPROVED

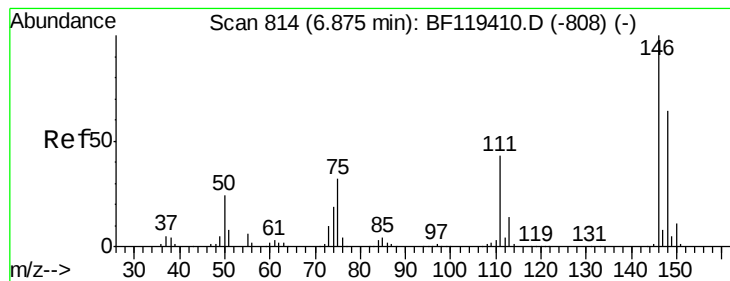
mohammad
4/8/2020 8:12:26 AM



#12
1,3-Dichlorobenzene
Concen: 42.240 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	430756		
148	65.2	52.2	78.4	
75	32.1	23.0	34.4	





#13

1,4-Dichlorobenzene

Concen: 43.433 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

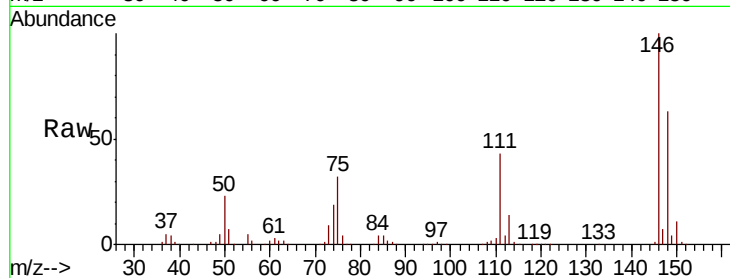
ClientSampleId :

PB128003BSD

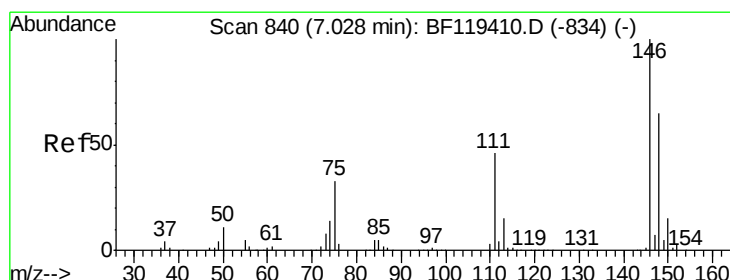
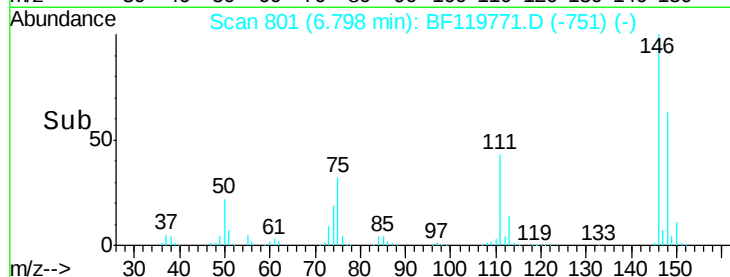
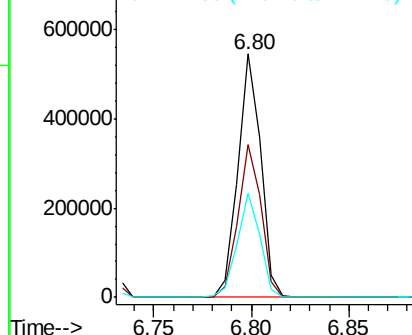
Tot Ion:	146	Resp:	443035
Ion Ratio	Lower	Upper	
146	100		
148	62.6	51.5	77.3
111	43.0	33.3	49.9

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.705 ng

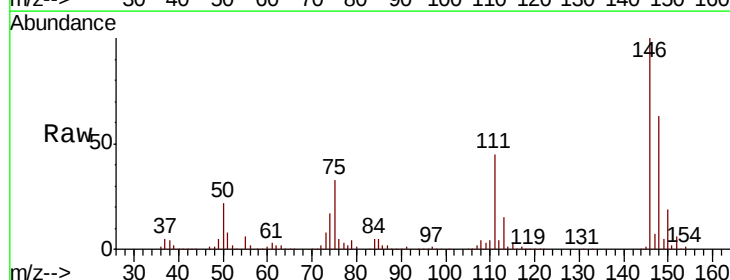
RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

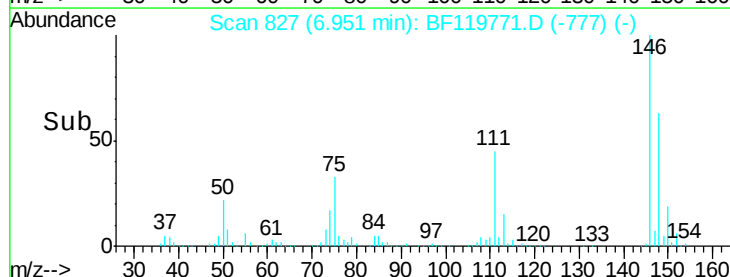
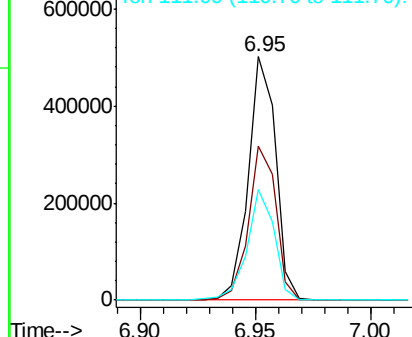
Lab File: BF119771.D

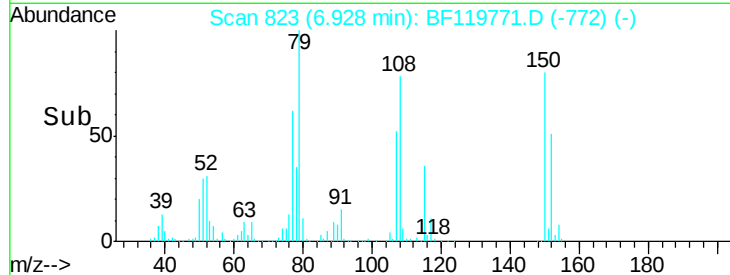
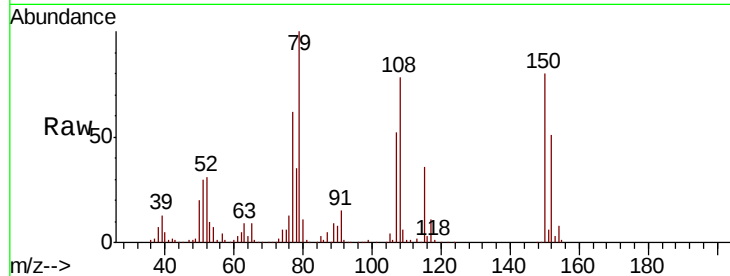
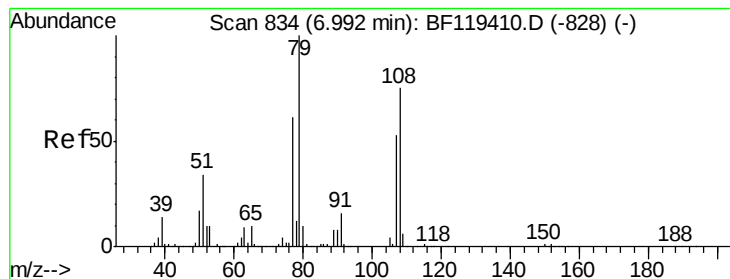
Acq: 6 Apr 2020 14:58

Tgt Ion:	146	Resp:	416700
Ion Ratio	Lower	Upper	
146	100		
148	63.1	50.6	75.8
111	45.4	36.1	54.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.913 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tot Ion:	79	Resp:	352693
Ion Ratio	Lower	Upper	
79	100		
108	78.3	60.6	90.8
77	61.7	50.2	75.2

Instrument :

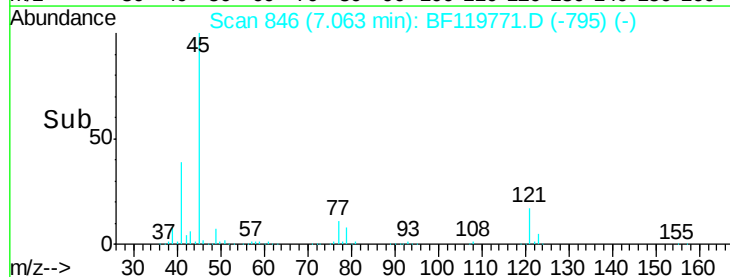
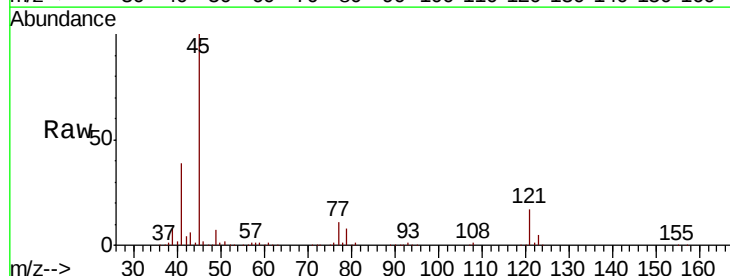
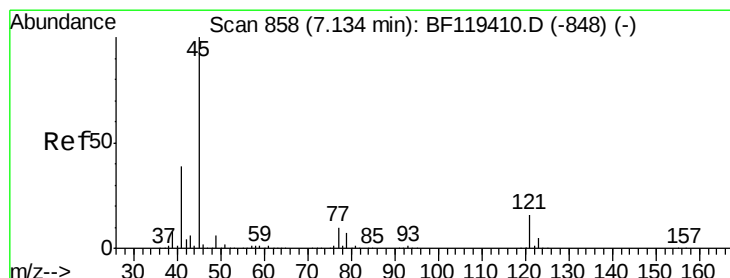
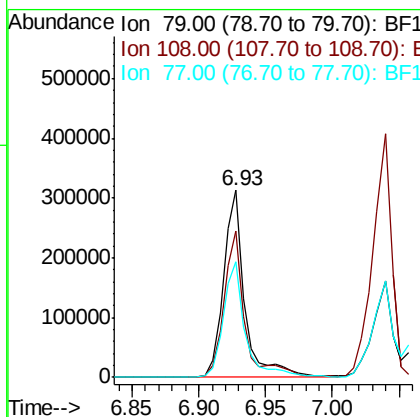
BNA_F

ClientSampled :

PB128003BSD

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.113 ng

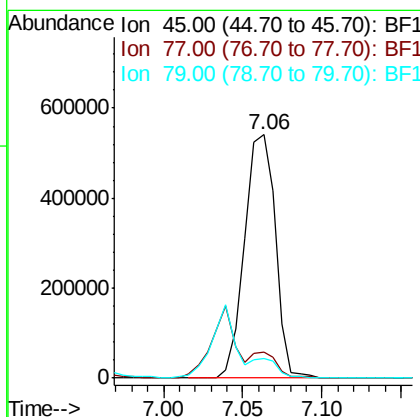
RT: 7.06 min Scan# 846

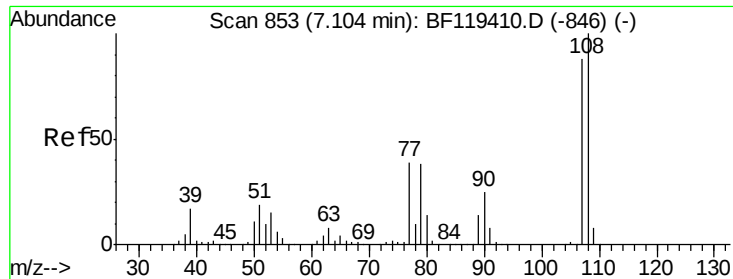
Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tgt Ion:	45	Resp:	732135
Ion Ratio	Lower	Upper	
45	100		
77	10.6	0.0	30.7
79	8.2	0.0	28.2





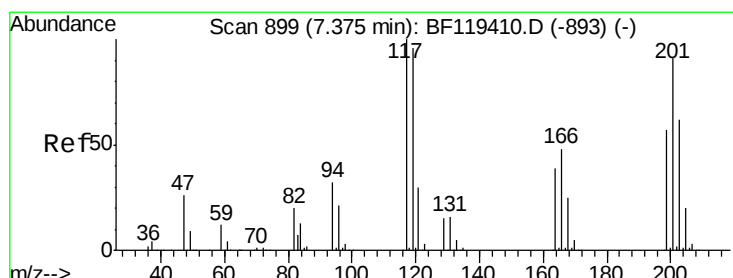
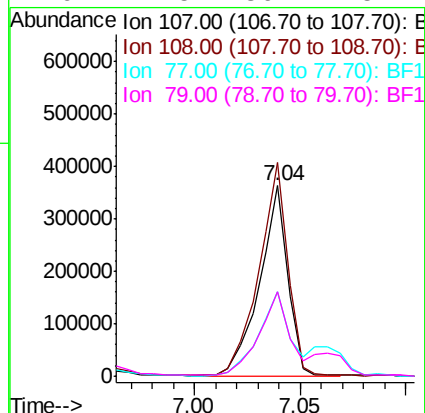
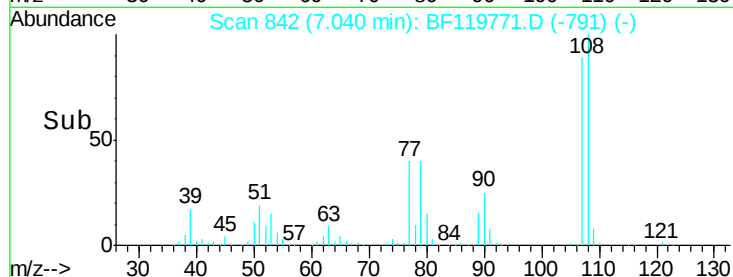
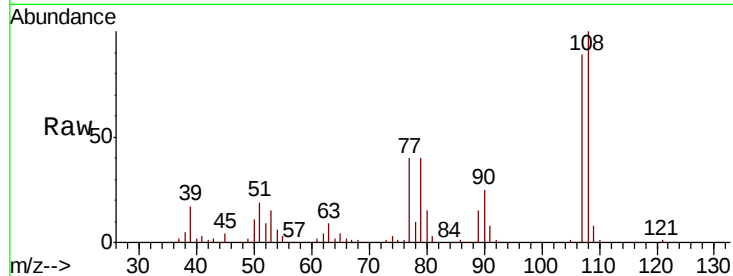
#17
2-Methylphenol
Concen: 39.188 ng
RT: 7.04 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.1	92.2	138.4	
77	44.5	36.6	54.8	
79	44.5	36.2	54.4	

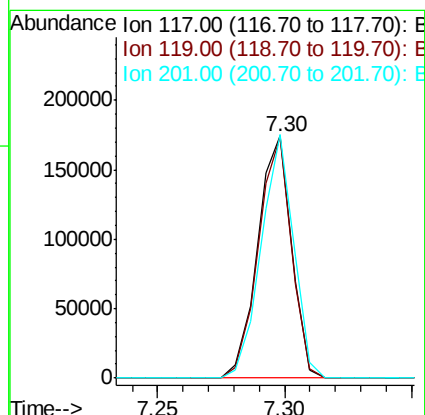
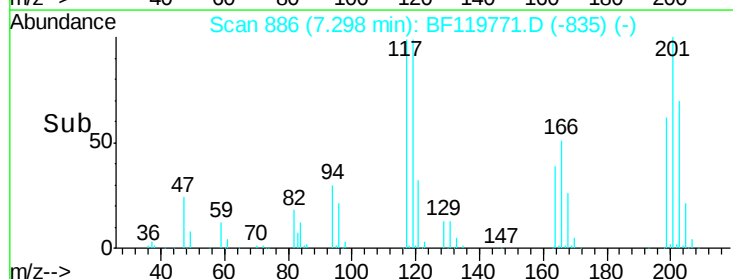
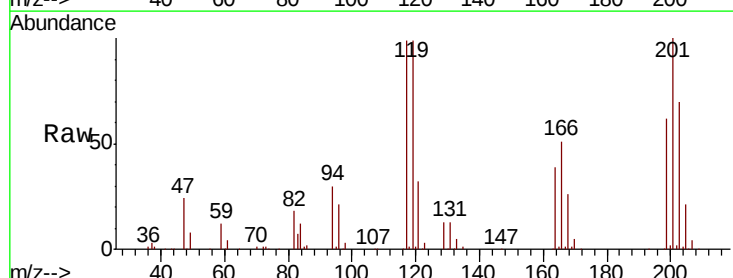
Manual Integrations
APPROVED

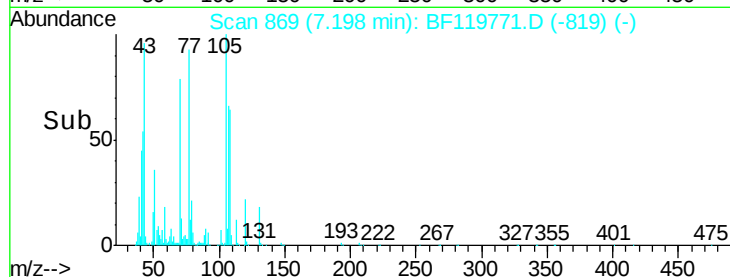
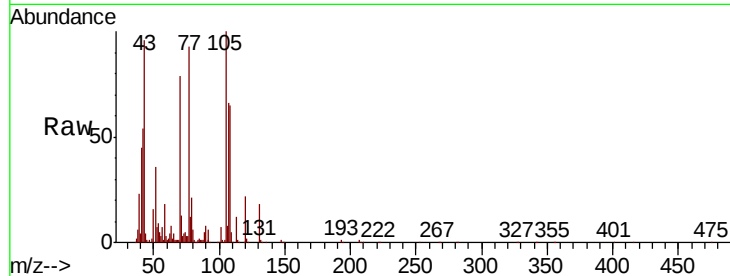
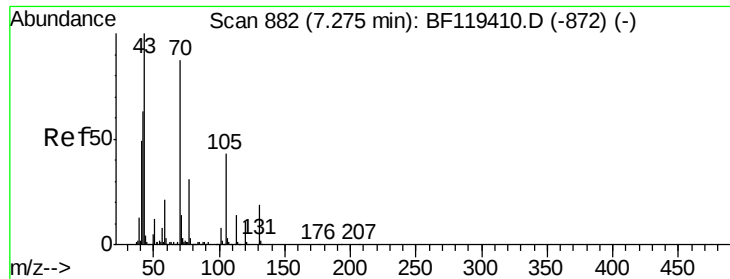
mohammad
4/8/2020 8:12:26 AM



#18
Hexachloroethane
Concen: 43.421 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	99.8	76.1	114.1	
201	100.7	73.0	109.6	





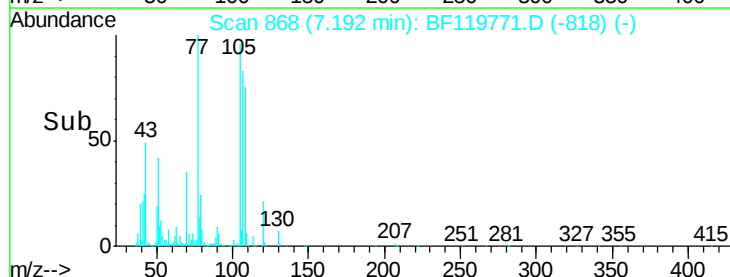
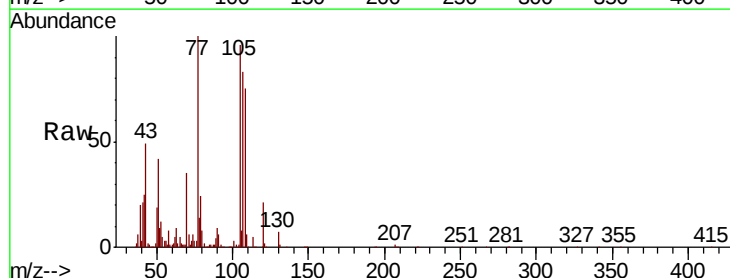
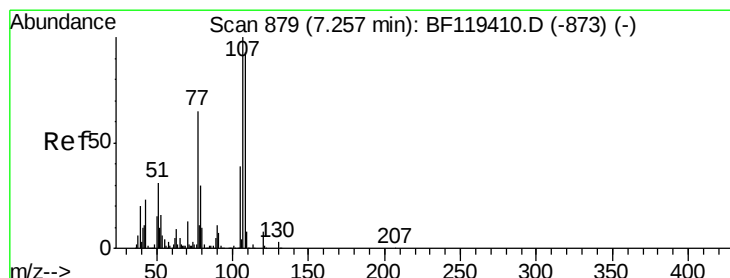
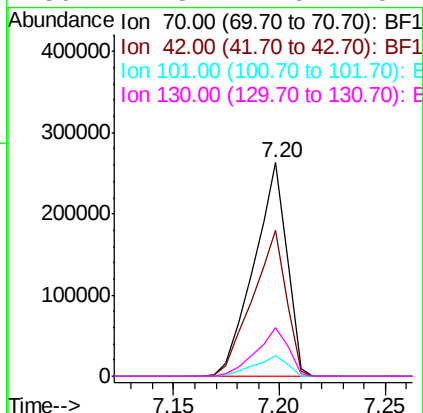
#19
n-Nitroso-di-n-propylamine
Concen: 41.355 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Manual Integrations
APPROVED

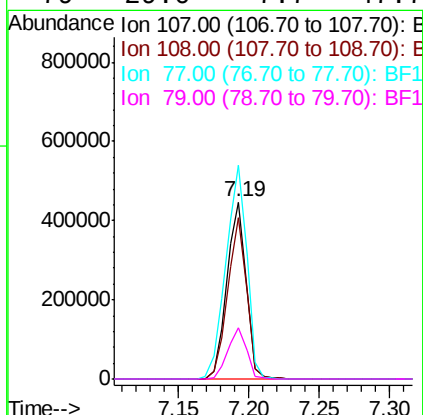
mohammad
4/8/2020 8:12:26 AM

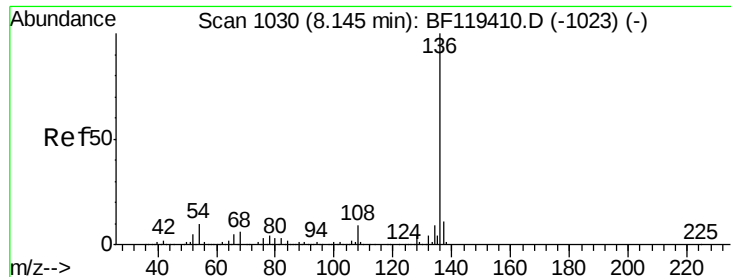
Tot Ion	Ratio	Lower	Upper
70	100		
42	68.6	54.5	81.7
101	9.4	7.6	11.4
130	22.8	17.6	26.4



#20
3+4-Methylphenols
Concen: 40.103 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.8	67.9	107.9
77	120.7	52.9	92.9#
79	29.0	7.7	47.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

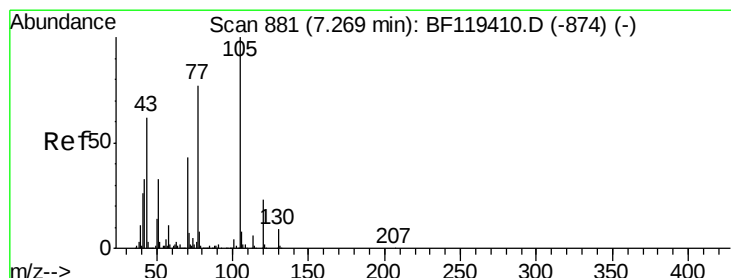
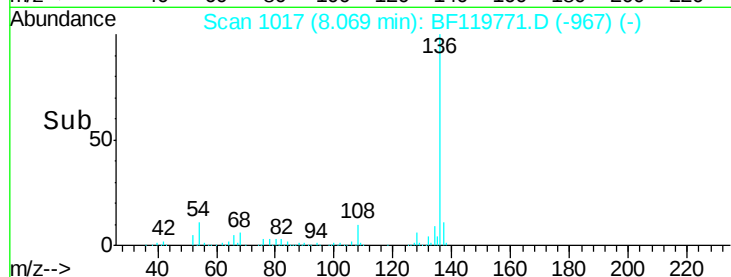
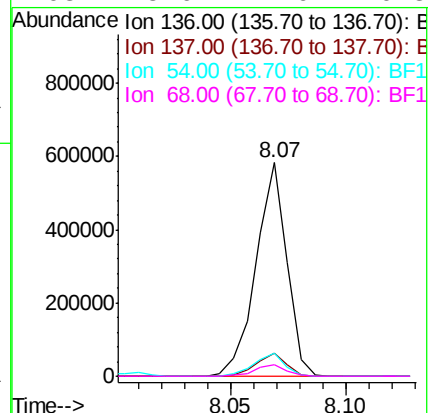
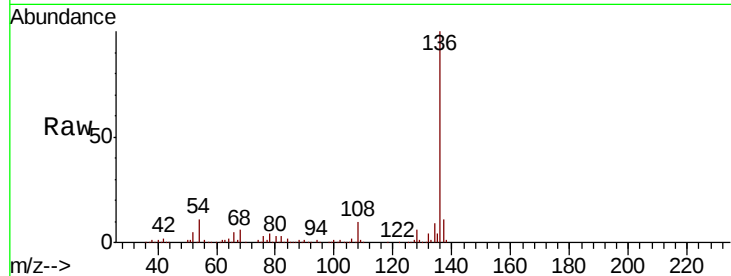
ClientSampleId :

PB128003BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		543749		
137	11.0	8.7	13.1		
54	10.7	9.1	13.7		
68	5.6	4.6	6.8		

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#22

Acetophenone

Concen: 42.665 ng

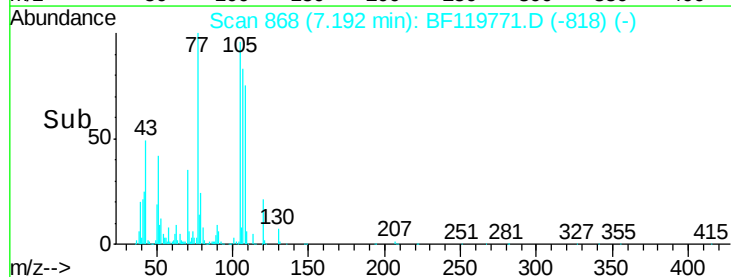
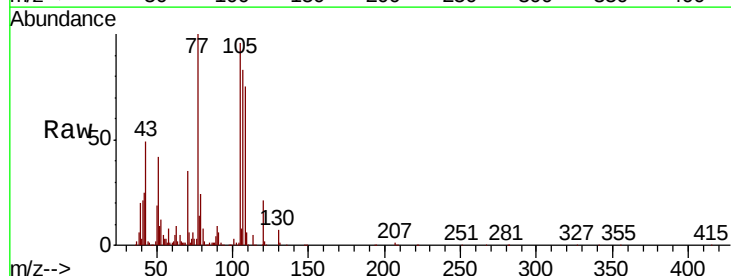
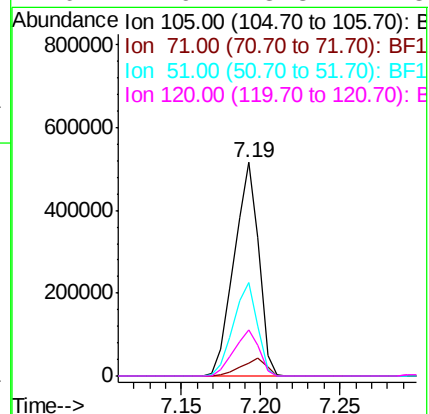
RT: 7.19 min Scan# 868

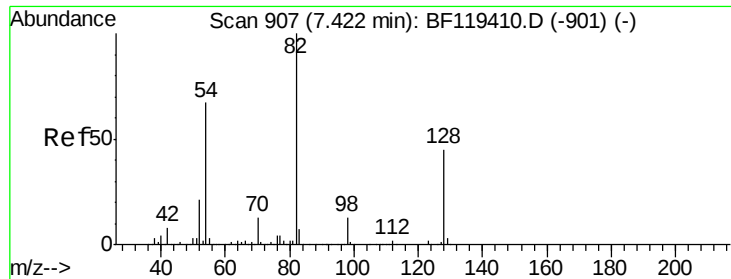
Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		554337		
71	6.1	5.7	8.5		
51	43.5	26.2	39.4		
120	21.9	18.3	27.5		





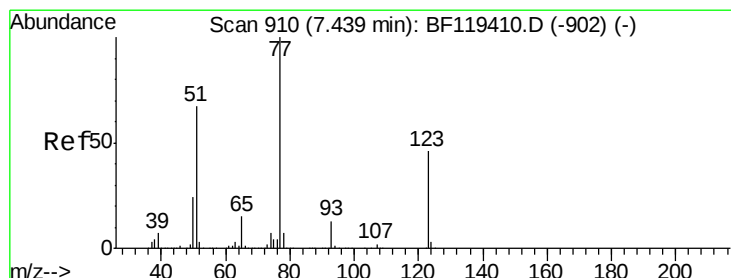
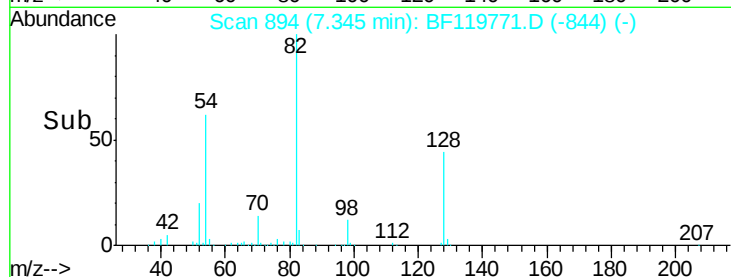
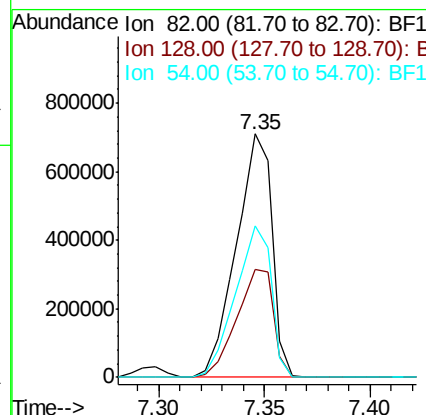
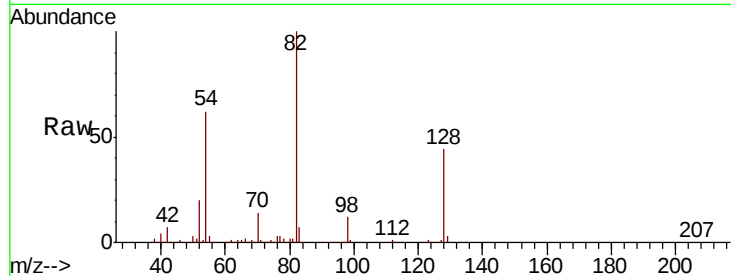
#23
Nitrobenzene-d5
Concen: 82.877 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.3	54.5
54	62.2	50.6	75.8

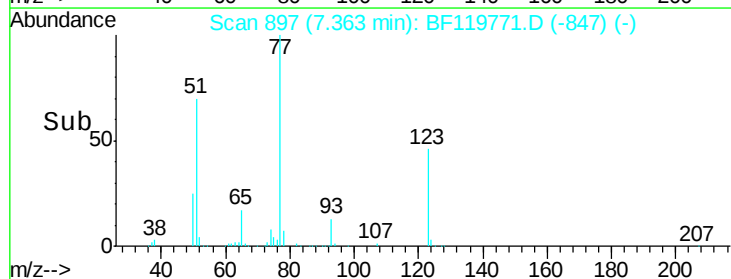
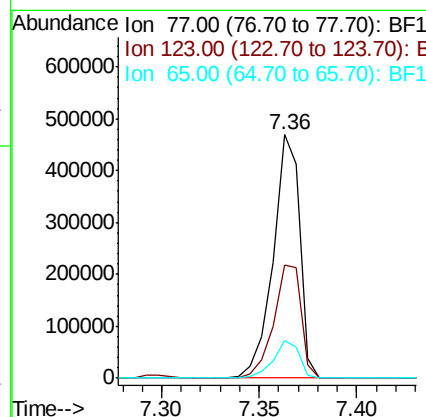
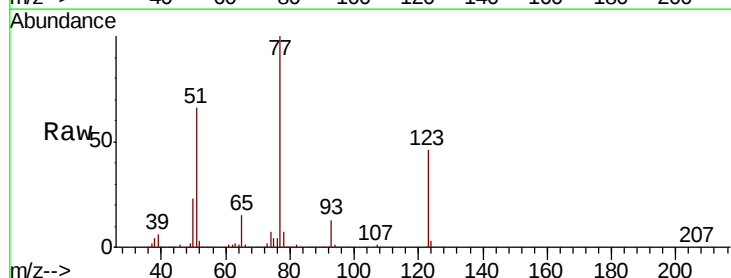
Manual Integrations
APPROVED

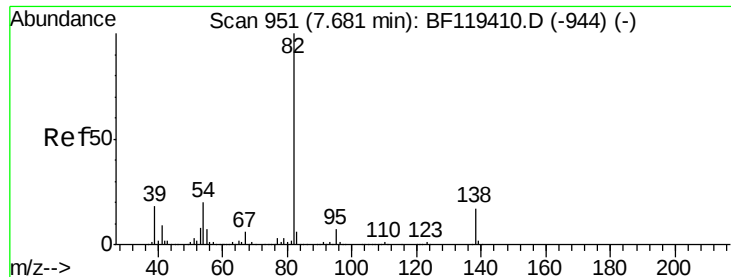
mohammad
4/8/2020 8:12:26 AM



#24
Nitrobenzene
Concen: 41.328 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.3	38.0	57.0
65	15.5	12.6	18.8





#25

Isophorone

Concen: 38.543 ng

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

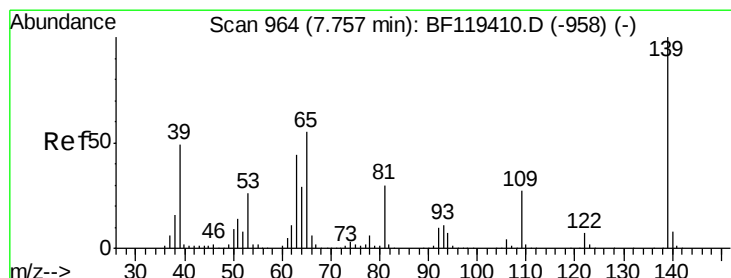
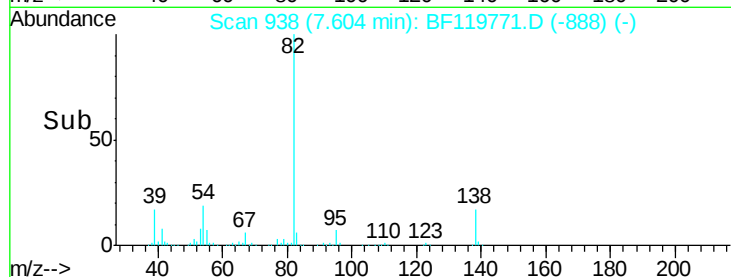
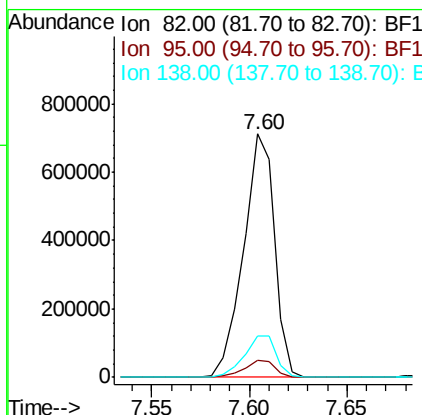
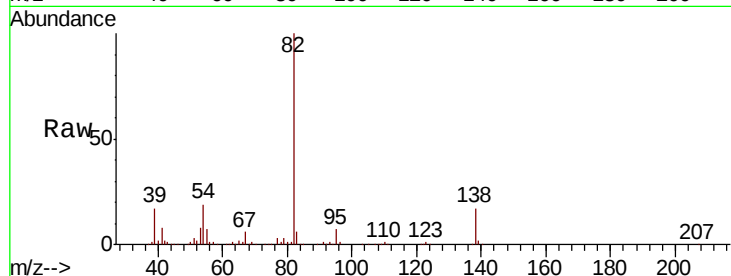
ClientSampleId :

PB128003BSD

Tot Ion:	82	Resp:	782241
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.8	8.6
138	16.7	14.6	21.8

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#26

2-Nitrophenol

Concen: 53.120 ng

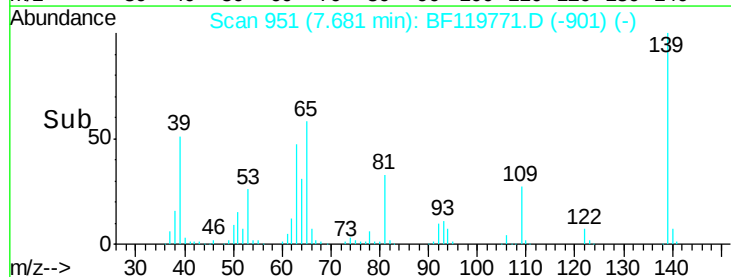
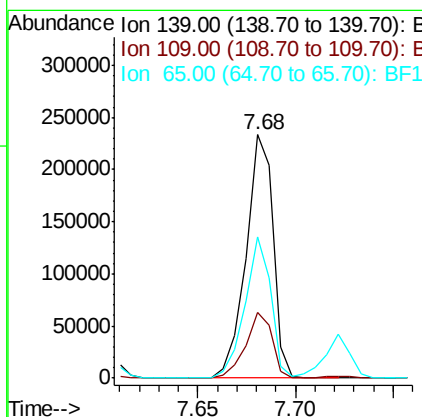
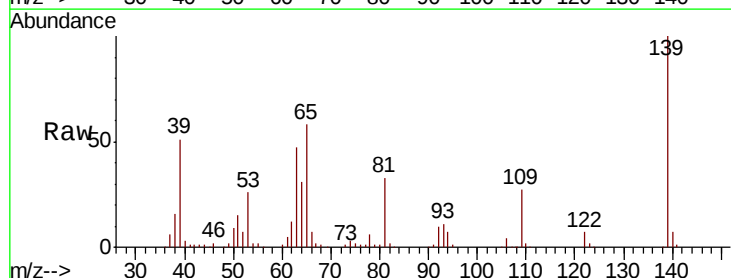
RT: 7.68 min Scan# 951

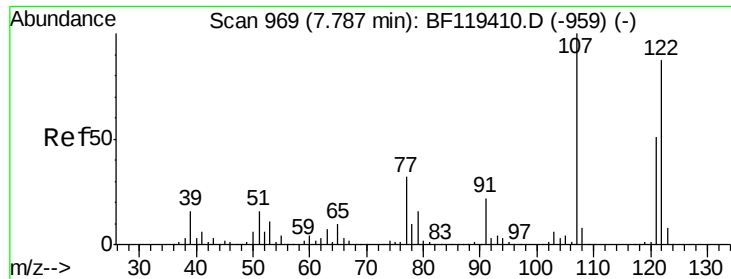
Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tgt Ion:	139	Resp:	223632
Ion Ratio	Lower	Upper	
139	100		
109	27.1	22.1	33.1
65	57.9	49.2	73.8





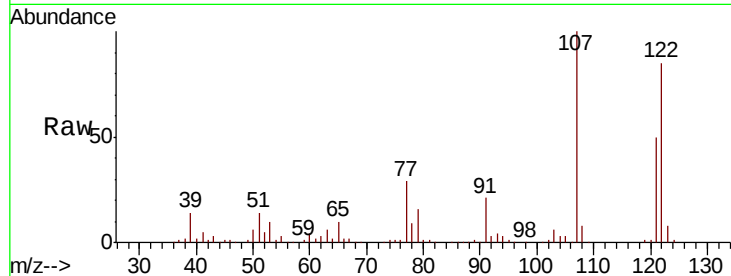
#27
 2,4-Dimethylphenol
 Concen: 40.107 ng
 RT: 7.72 min Scan# 958
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.6	89.0	133.6
121	59.3	46.7	70.1

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:12:26 AM

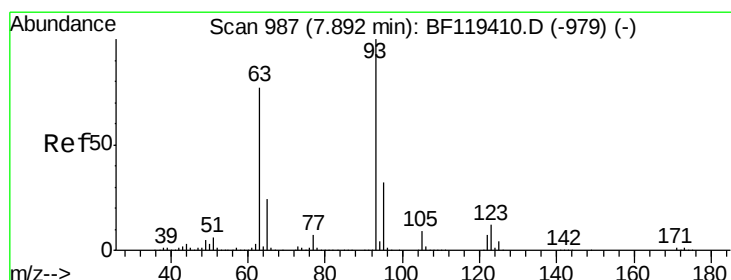
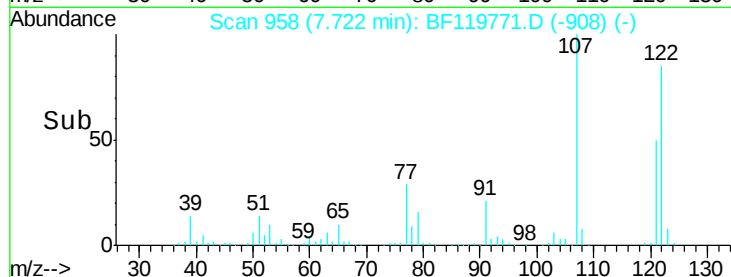
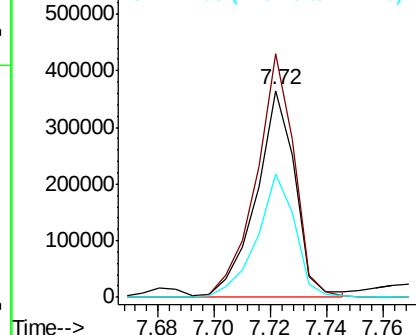


Abundance

Ion 122.00 (121.70 to 122.70): E

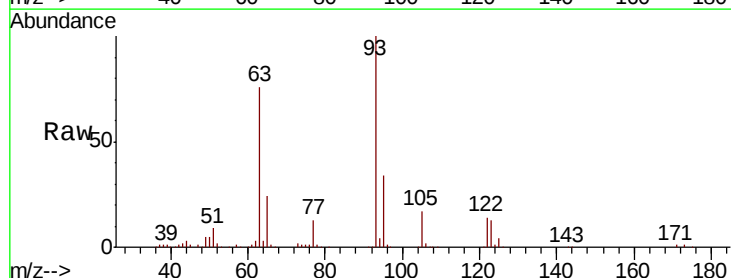
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.439 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.3	39.5
123	12.6	9.7	14.5

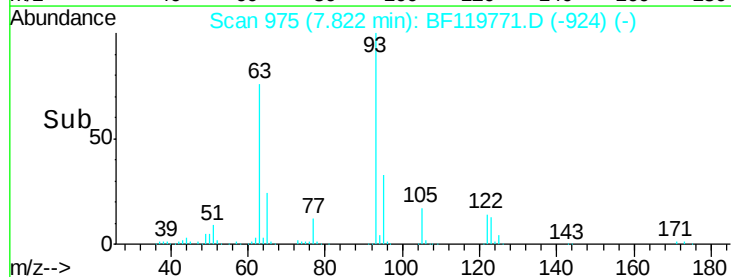
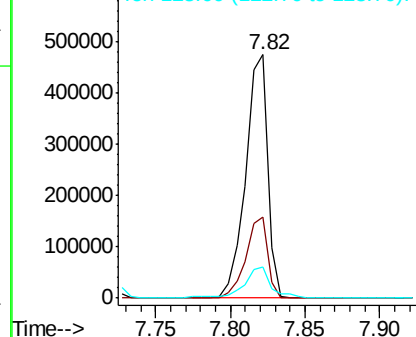


Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





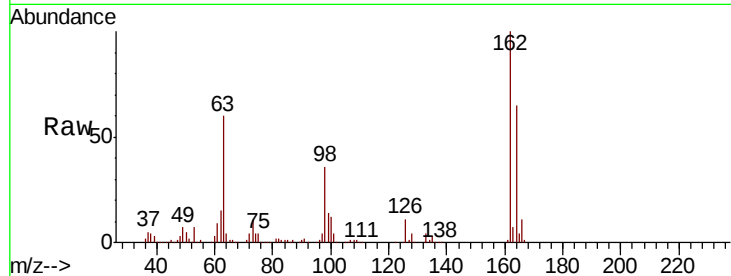
#29
 2,4-Dichlorophenol
 Concen: 42.282 ng
 RT: 7.93 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

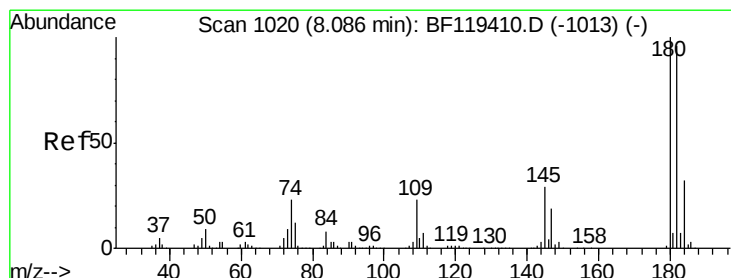
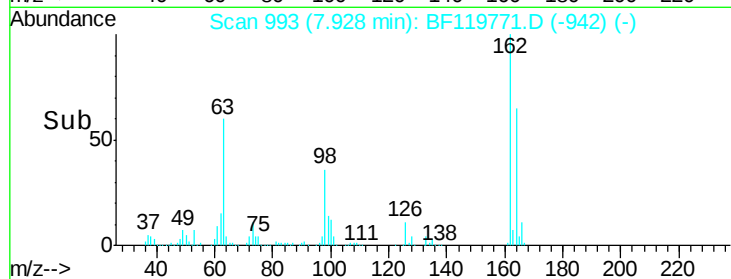
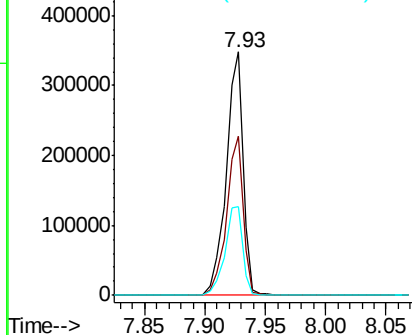
Tot Ion:	162	Resp:	338196
Ion Ratio	Lower	Upper	
162	100		
164	65.2	44.7	84.7
98	36.3	20.7	60.7

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:12:26 AM

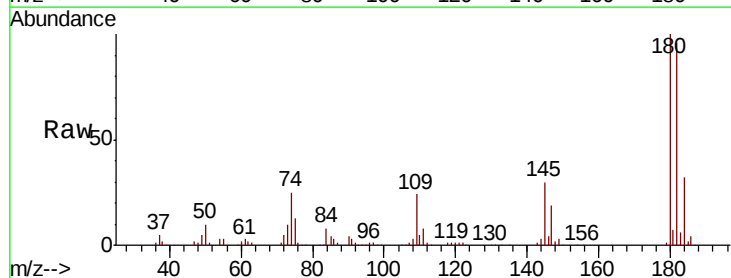


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

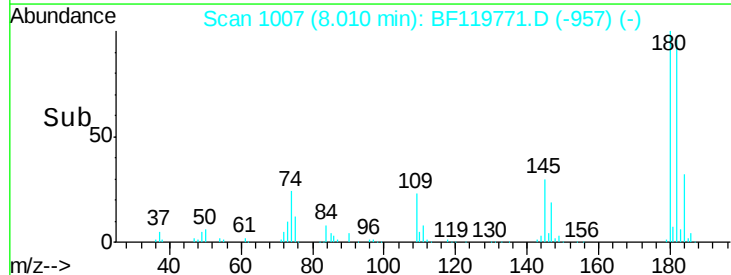
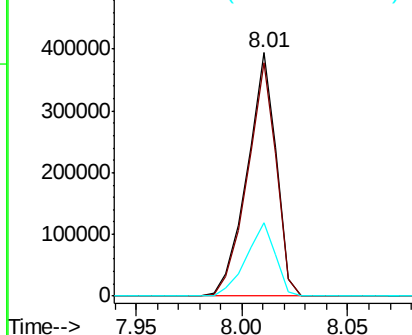


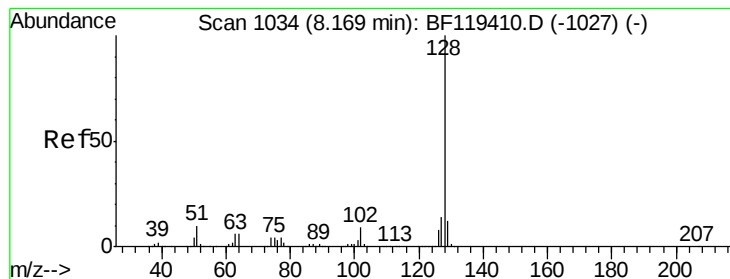
#30
 1,2,4-Trichlorobenzene
 Concen: 42.375 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion:	180	Resp:	374832
Ion Ratio	Lower	Upper	
180	100		
182	95.9	74.7	112.1
145	30.2	24.5	36.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.156 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion:128 Resp: 1207593

Ion Ratio Lower Upper

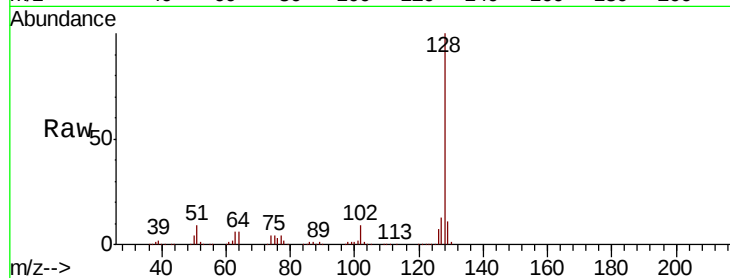
128 100

129 11.0 9.5 14.3

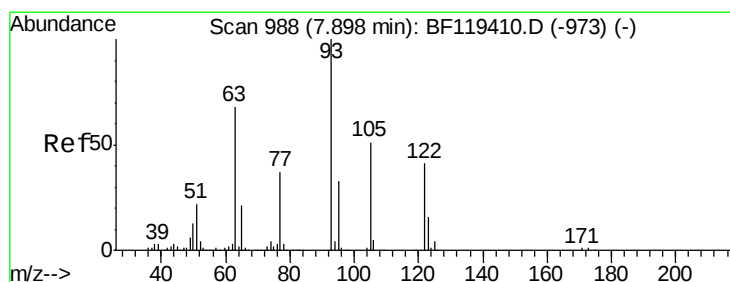
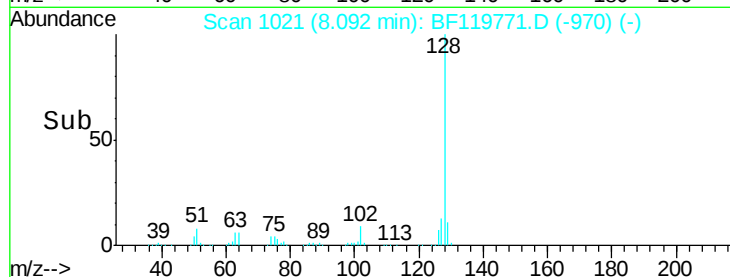
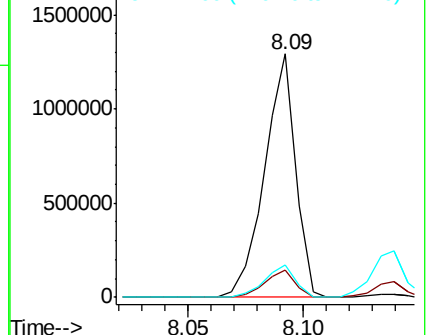
127 13.3 11.3 16.9

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



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: 49.029 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

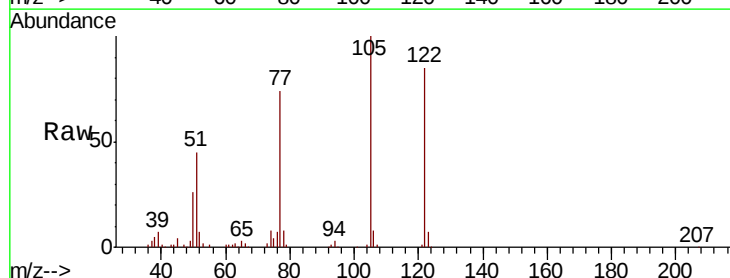
Tgt Ion:122 Resp: 274543

Ion Ratio Lower Upper

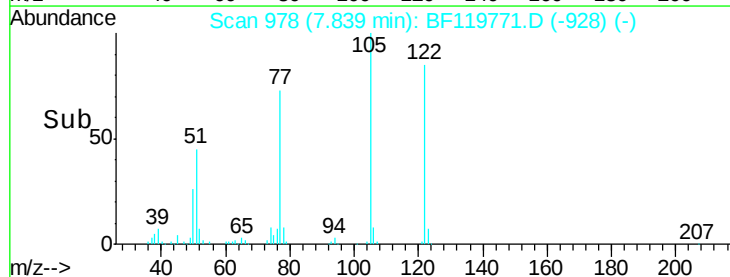
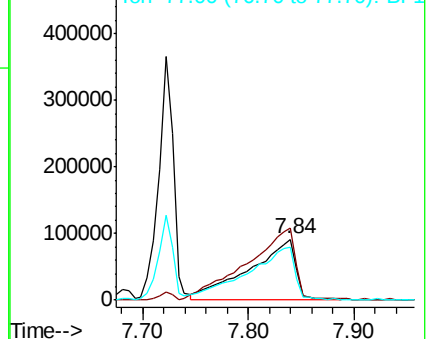
122 100

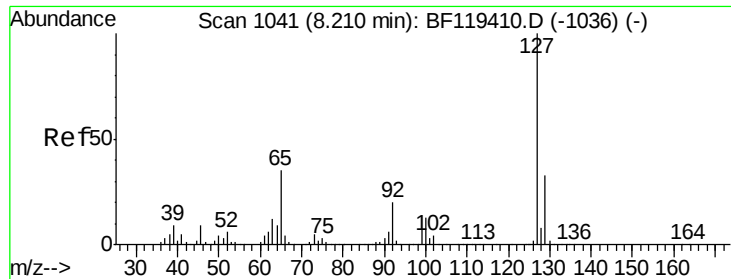
105 117.3 104.9 144.9

77 86.3 74.4 114.4



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





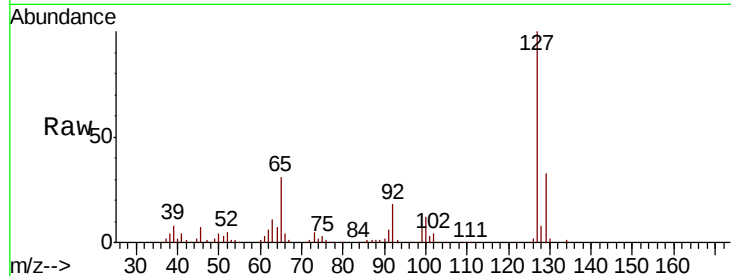
#33
4-Chloroaniline
Concen: 19.252 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

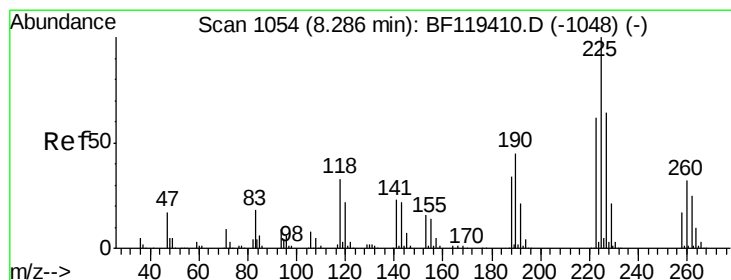
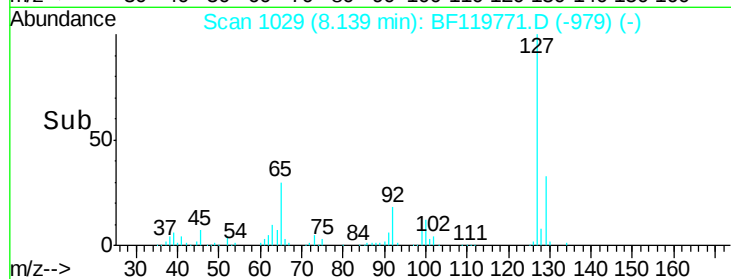
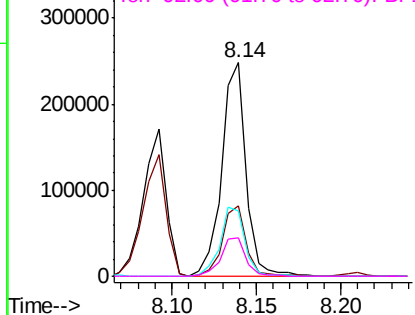
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		246844		
129	32.7	26.2	39.4		
65	30.5	27.4	41.0		
92	18.0	15.3	22.9		

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM

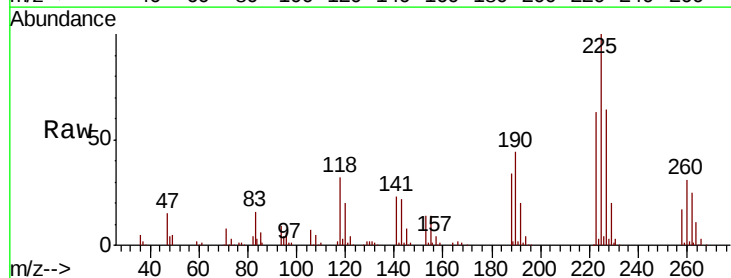


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

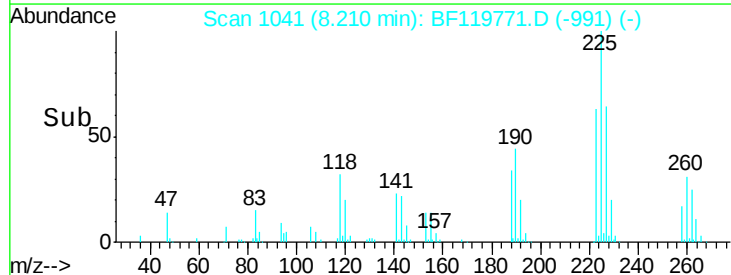
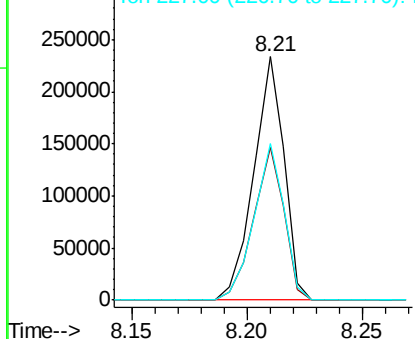


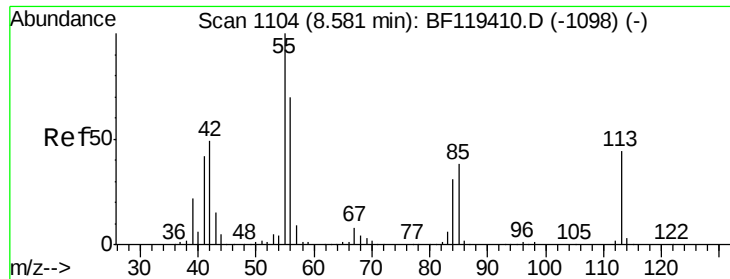
#34
Hexachlorobutadiene
Concen: 43.343 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		214511		
223	62.8	51.0	76.6		
227	64.1	50.7	76.1		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





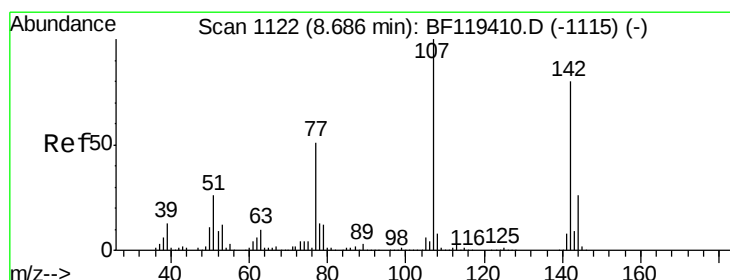
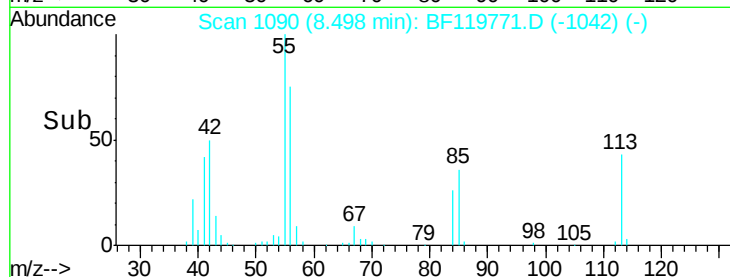
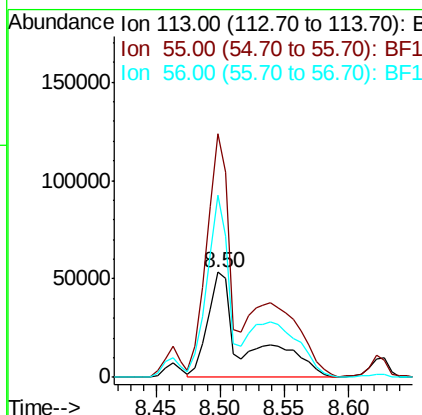
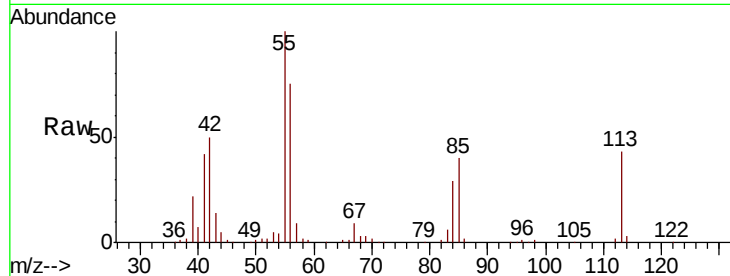
#35
 Caprolactam
 Concen: 41.671 ng/ml
 RT: 8.50 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	231.8	218.4	258.4
56	173.8	148.9	188.9

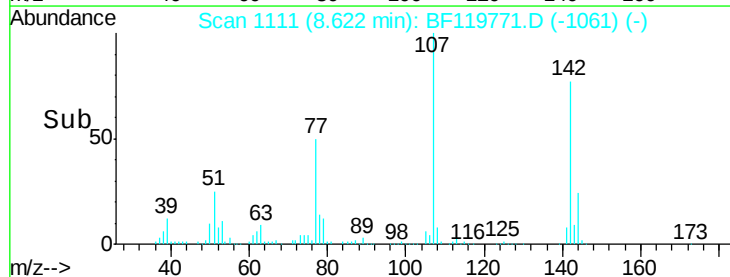
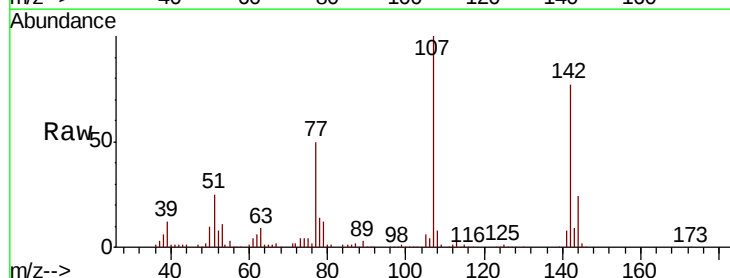
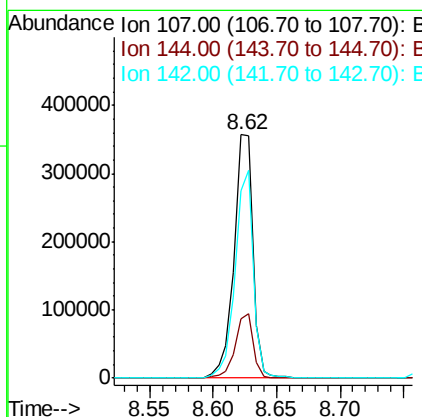
Manual Integrations
 APPROVED

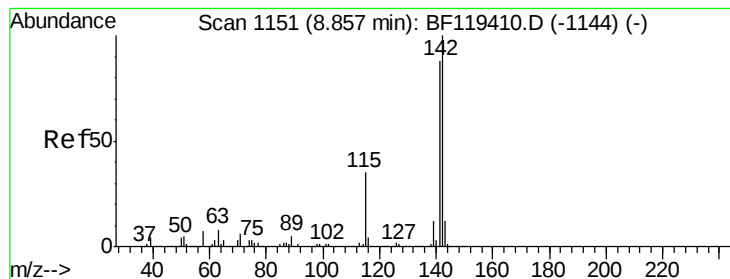
mohammad
 4/8/2020 8:12:26 AM



#36
 4-Chloro-3-methylphenol
 Concen: 42.162 ng/ml
 RT: 8.62 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.4	21.0	31.6
142	77.1	64.4	96.6





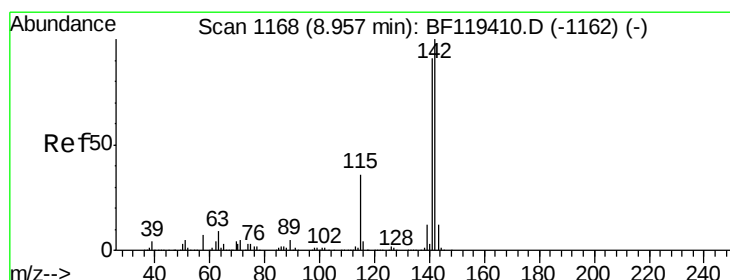
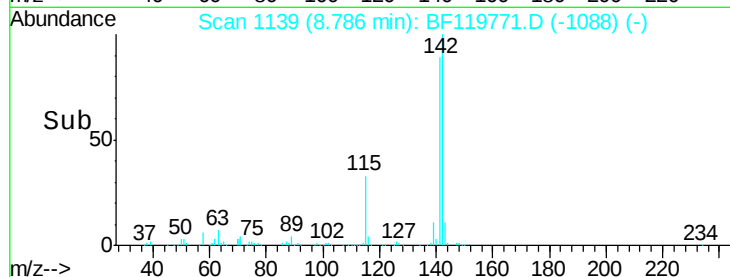
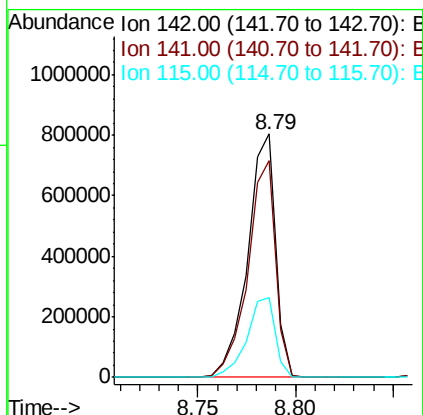
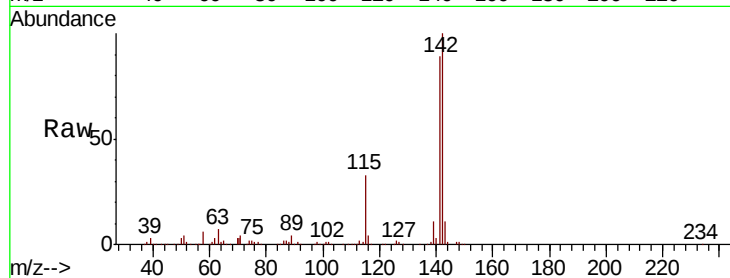
#37
2-Methylnaphthalene
Concen: 43.235 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.7	107.5
115	32.8	27.9	41.9

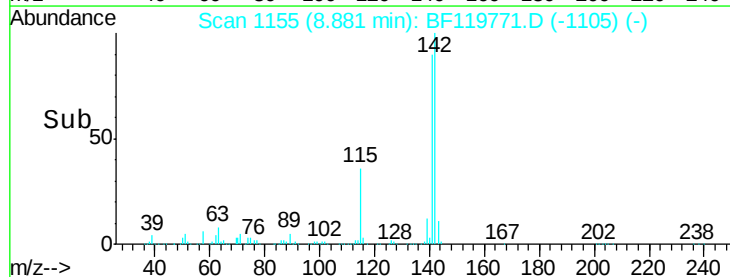
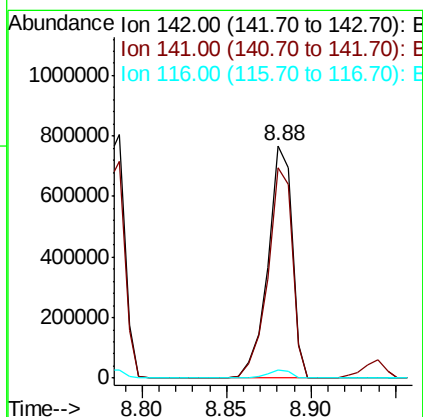
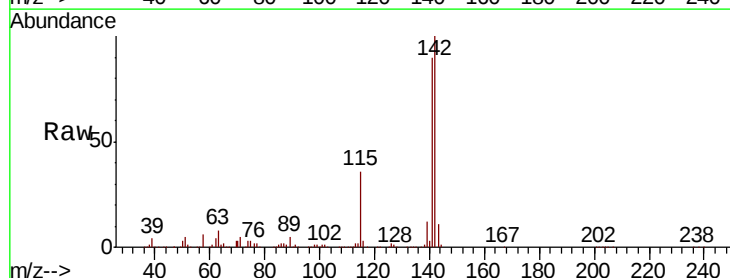
Manual Integrations
APPROVED

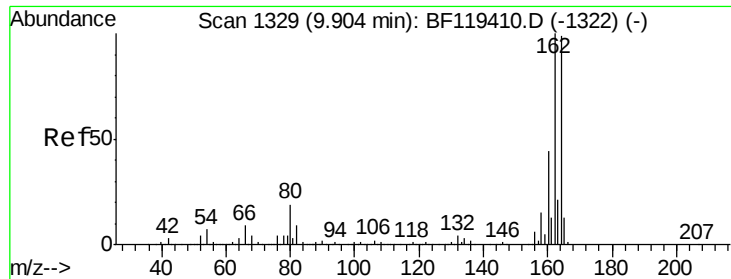
mohammad
4/8/2020 8:12:26 AM



#38
1-Methylnaphthalene
Concen: 43.668 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.7	110.5
116	3.4	3.0	4.6





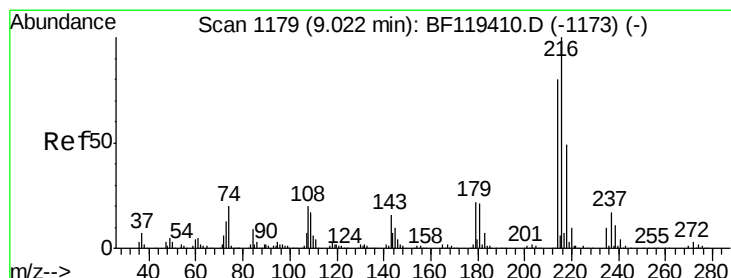
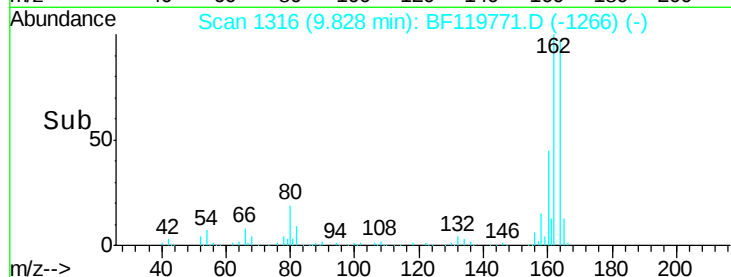
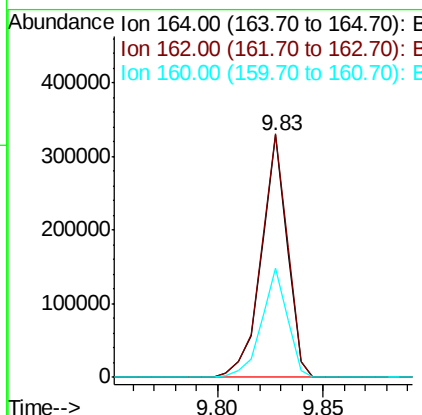
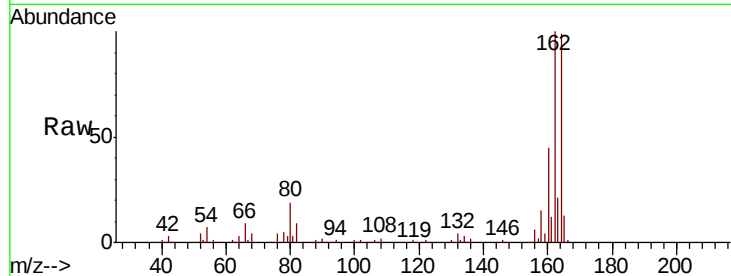
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	281193		
162	100.5	80.6	121.0	
160	45.2	35.7	53.5	

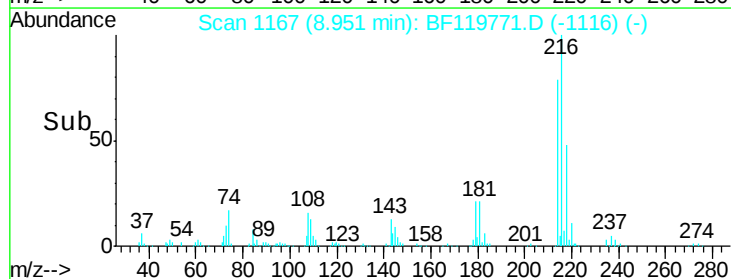
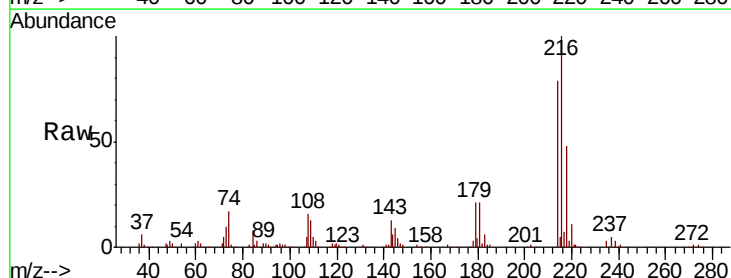
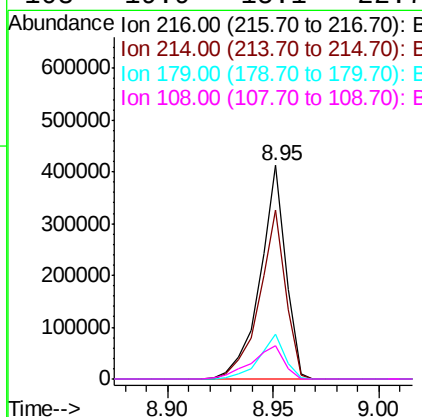
Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.346 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	349015		
214	80.2	63.2	94.8	
179	21.1	17.1	25.7	
108	19.9	15.1	22.7	





#41

Hexachlorocyclopentadiene

Concen: 92.954 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

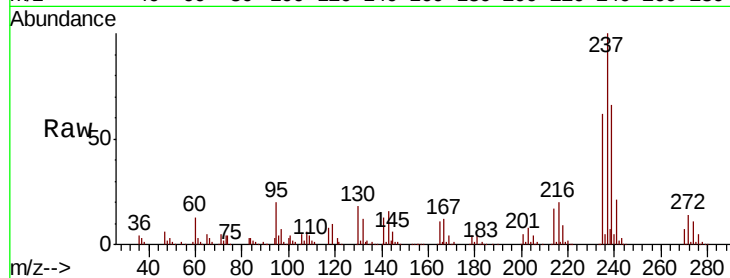
ClientSampleId :

PB128003BSD

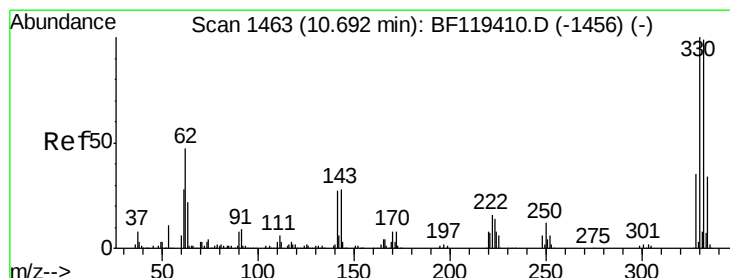
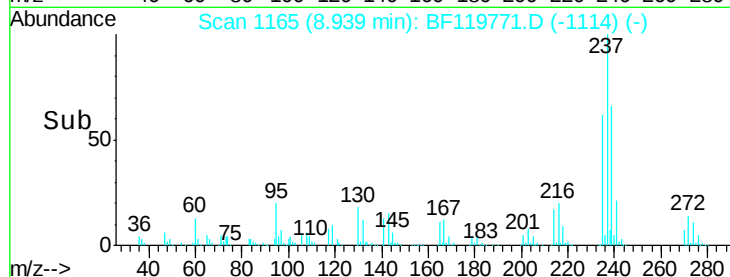
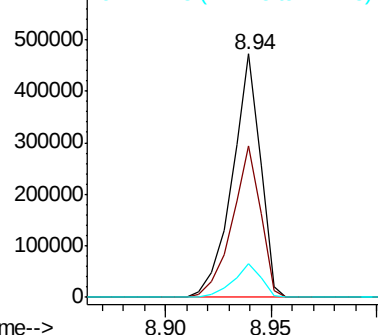
Tot Ion:	237	Resp:	435551
Ion Ratio		Lower	Upper
237	100		
235	62.4	43.2	83.2
272	14.0	0.0	34.1

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



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



#42

2,4,6-Tribromophenol

Concen: 141.005 ng

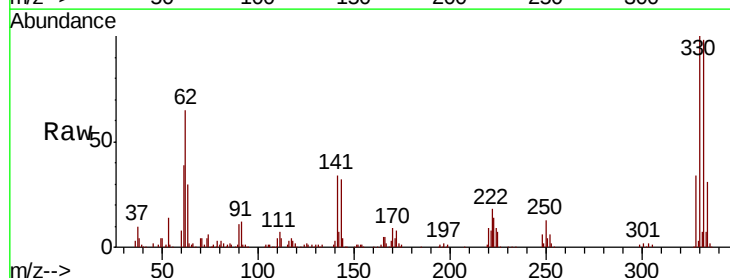
RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

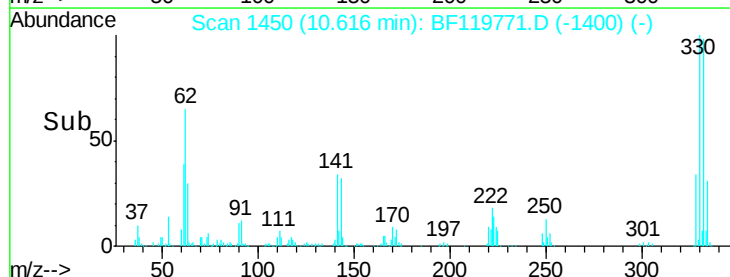
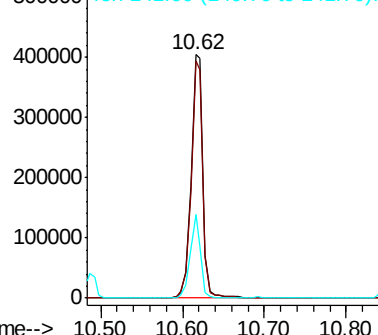
Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tgt Ion:	330	Resp:	409052
Ion Ratio		Lower	Upper
330	100		
332	95.1	75.7	113.5
141	30.4	25.4	38.0



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





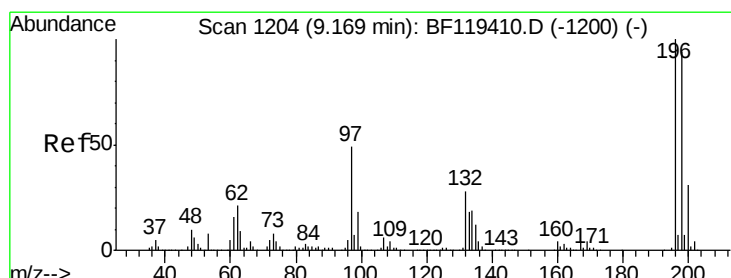
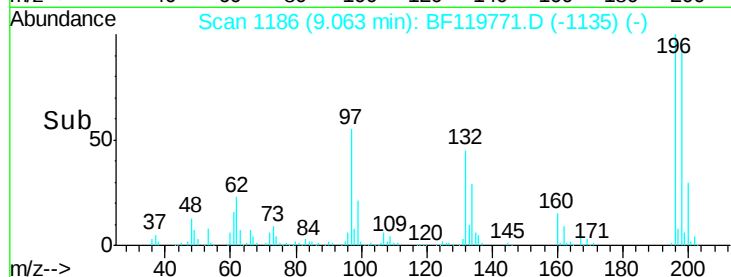
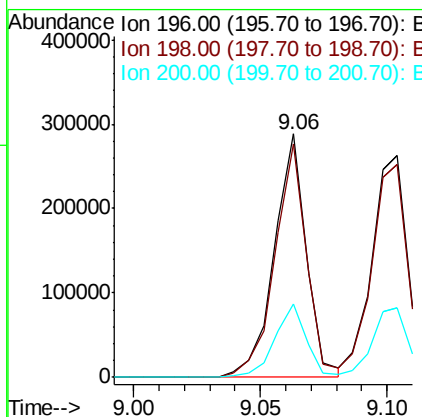
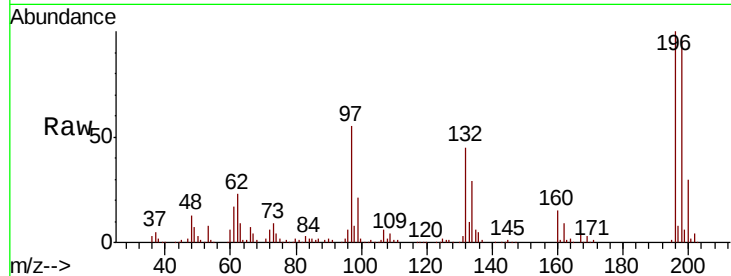
#43
 2,4,6-Trichlorophenol
 Concen: 42.722 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion:	196	Resp:	251979
Ion Ratio	Lower	Upper	
196	100		
198	95.7	76.6	115.0
200	29.9	24.6	36.8

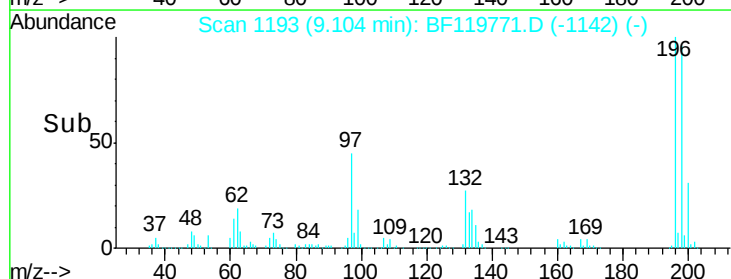
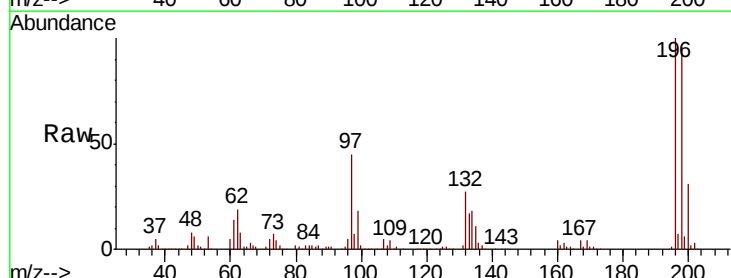
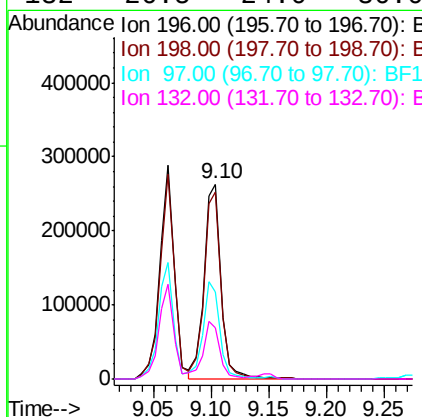
Manual Integrations
 APPROVED

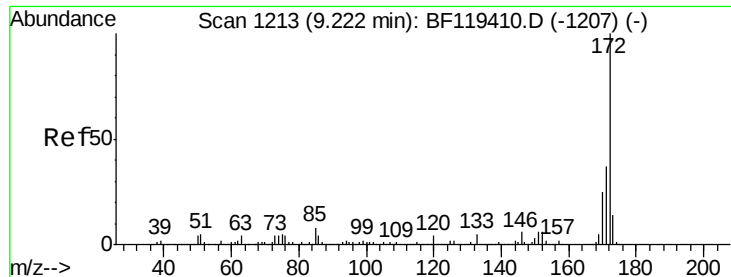
mohammad
 4/8/2020 8:12:26 AM



#44
 2,4,5-Trichlorophenol
 Concen: 41.189 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion:	196	Resp:	272149
Ion Ratio	Lower	Upper	
196	100		
198	95.9	73.8	110.8
97	44.5	42.6	63.8
132	26.5	24.0	36.0





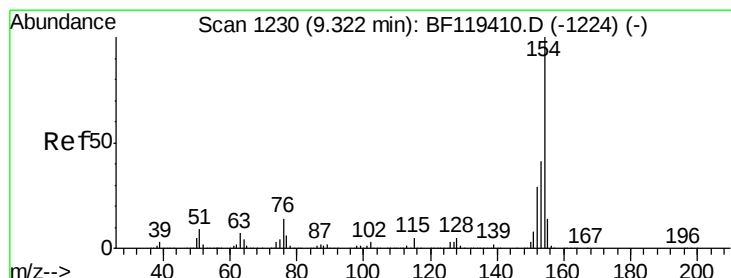
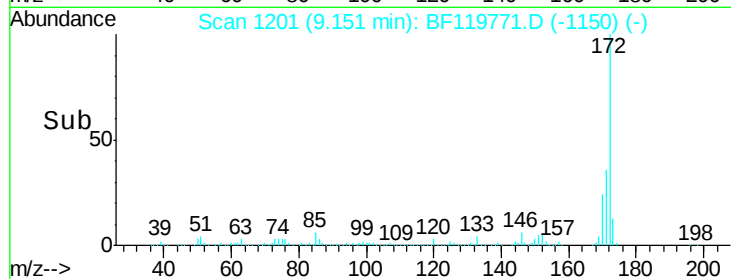
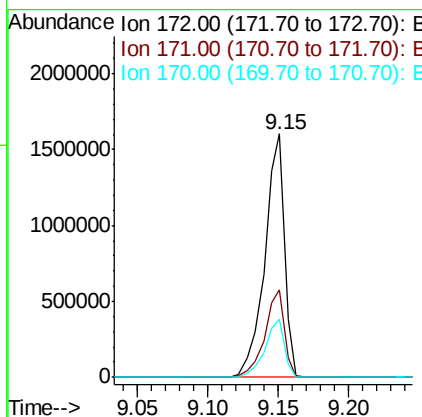
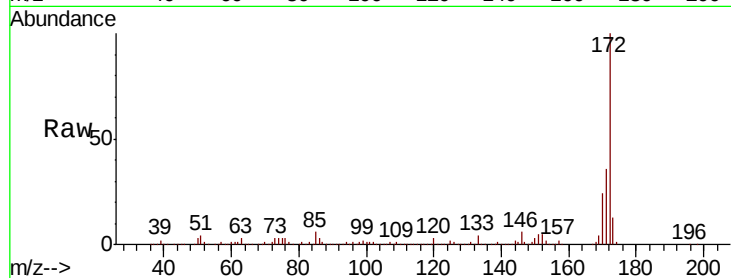
#45
2-Fluorobiphenyl
Concen: 83.529 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.1	20.2	30.2

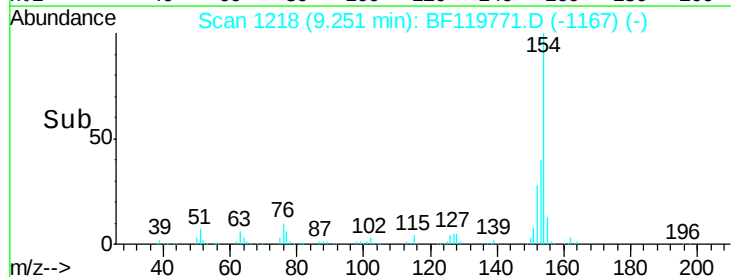
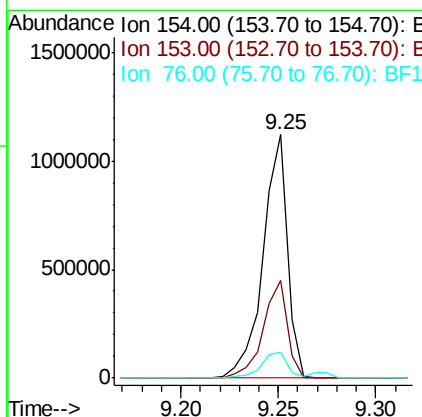
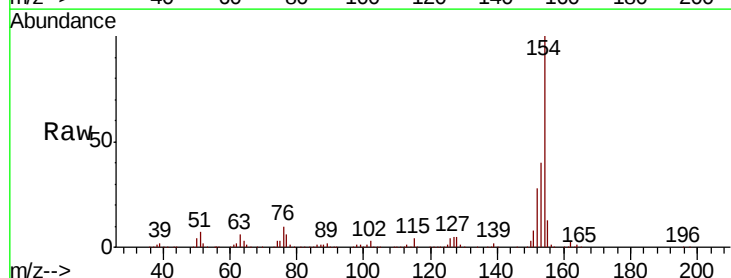
Manual Integrations
APPROVED

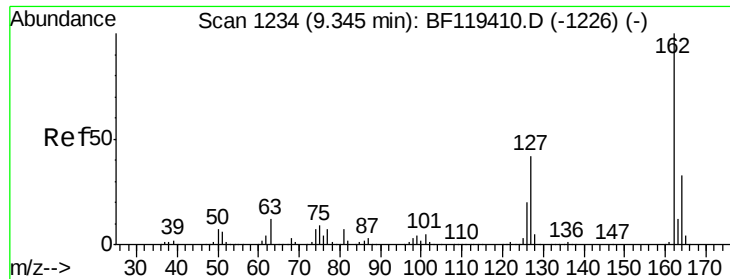
mohammad
4/8/2020 8:12:26 AM



#46
1,1'-Biphenyl
Concen: 42.371 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.4	61.4
76	10.5	0.0	33.0





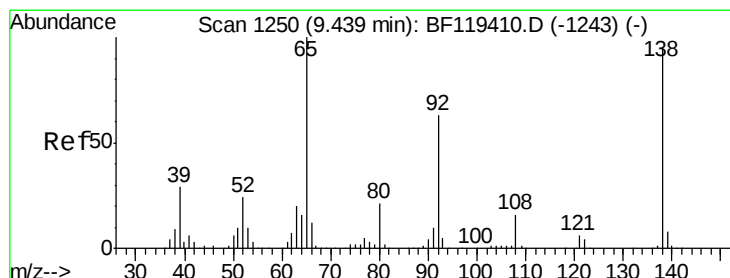
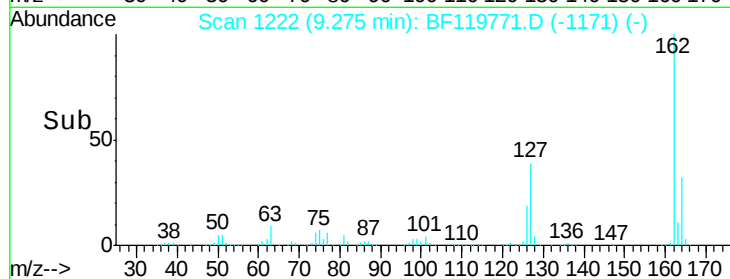
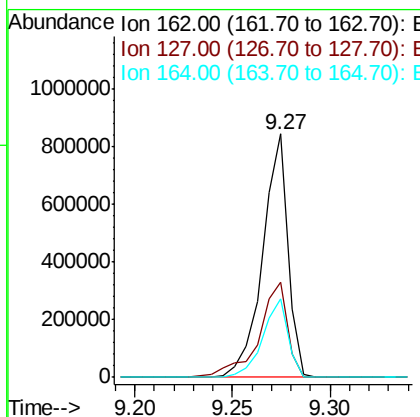
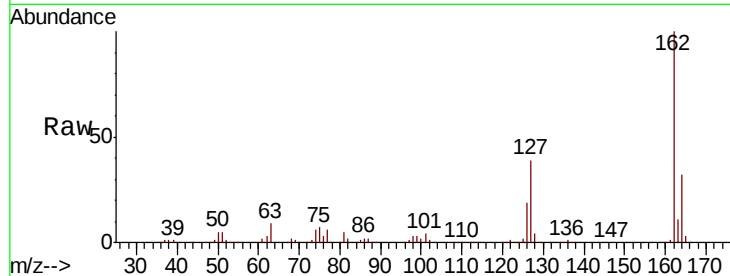
#47
 2-Chloronaphthalene
 Concen: 42.288 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	758613		
127	39.0		33.7	50.5
164	32.3		26.3	39.5

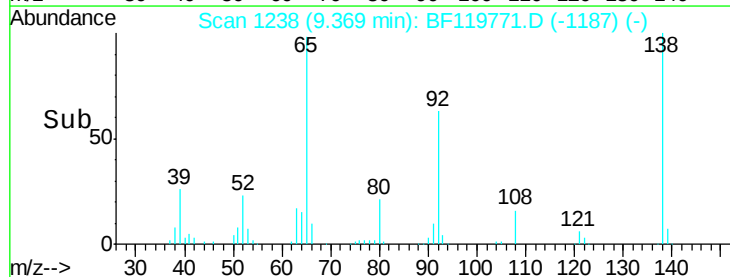
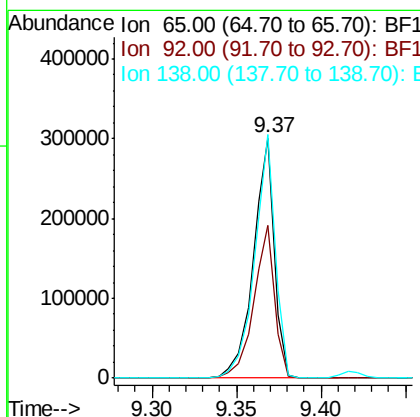
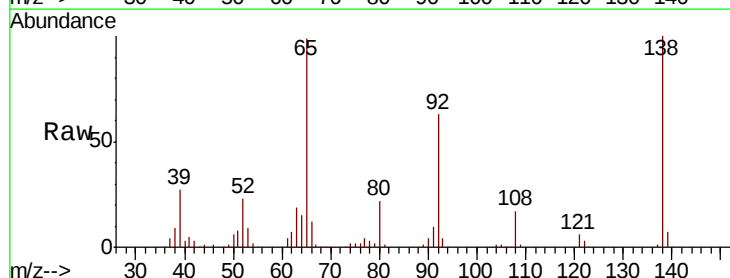
Manual Integrations
 APPROVED

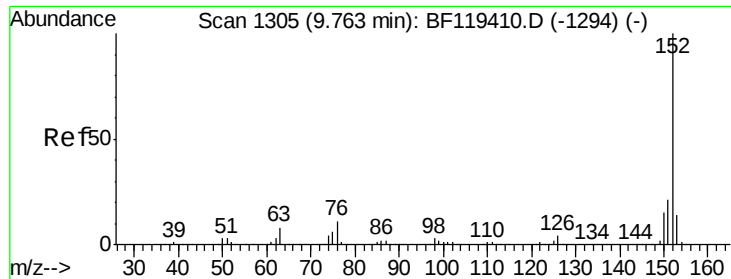
mohammad
 4/8/2020 8:12:26 AM



#48
 2-Nitroaniline
 Concen: 42.238 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	261537		
92	63.4		50.0	75.0
138	101.3		75.0	112.4





#49

Acenaphthylene

Concen: 42.051 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion:152 Resp: 1184626

Ion Ratio Lower Upper

152 100

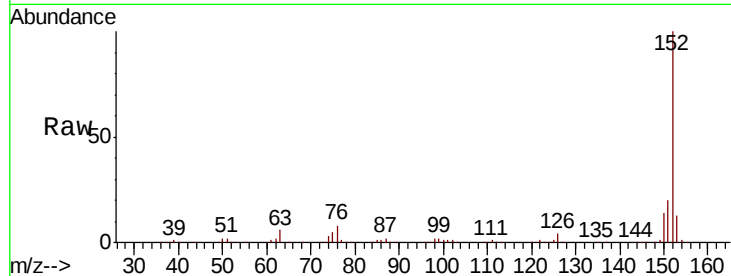
151 19.8 17.2 25.8

153 12.7 11.2 16.8

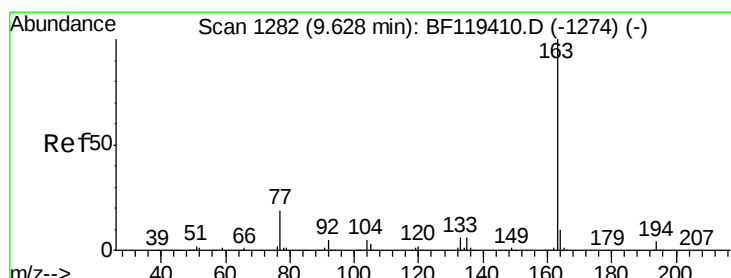
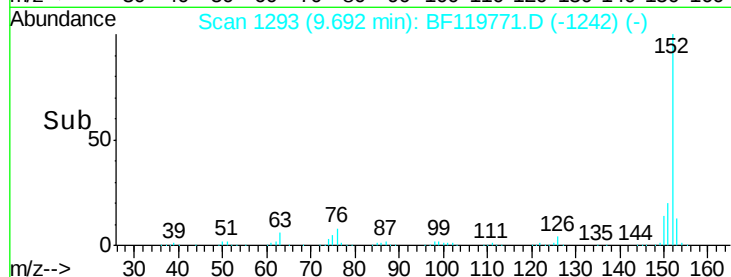
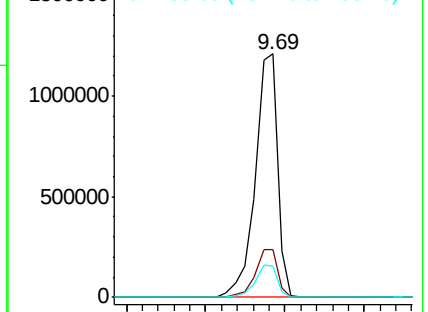
Manual Integrations
APPROVED

mohammad

4/8/2020 8:12:26 AM



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: 42.579 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

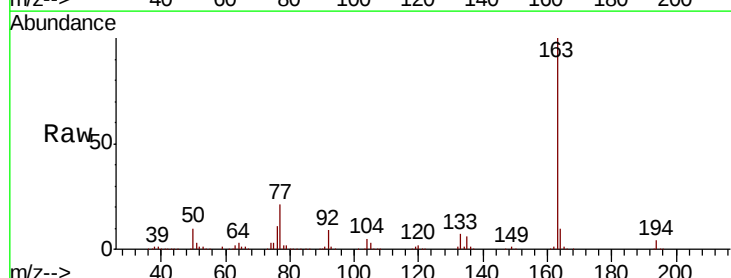
Tgt Ion:163 Resp: 850432

Ion Ratio Lower Upper

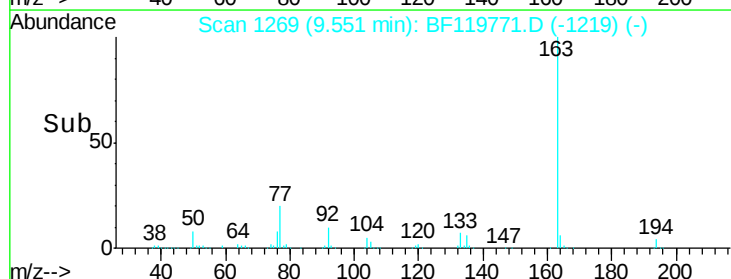
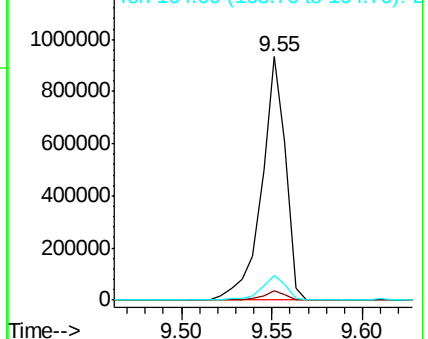
163 100

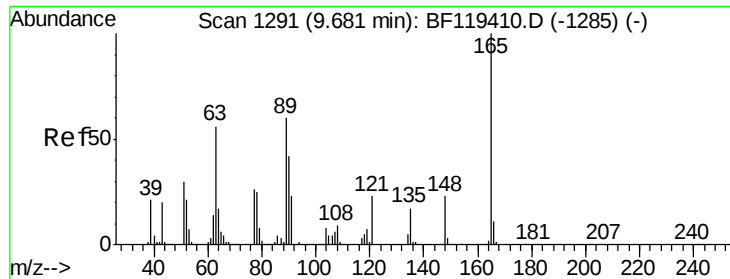
194 3.8 3.1 4.7

164 10.0 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





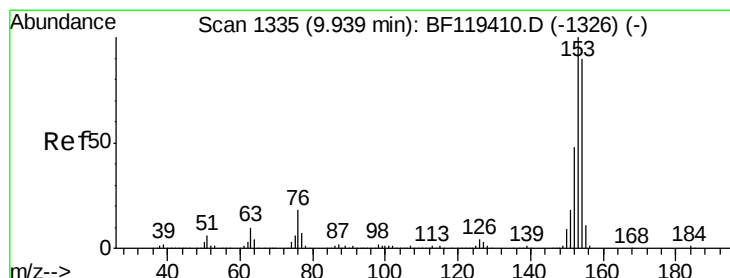
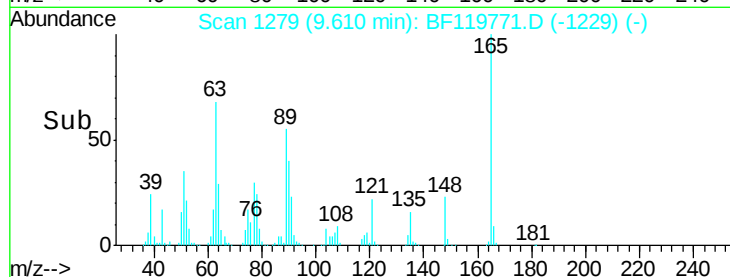
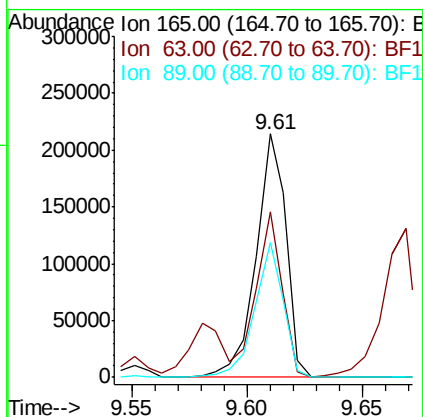
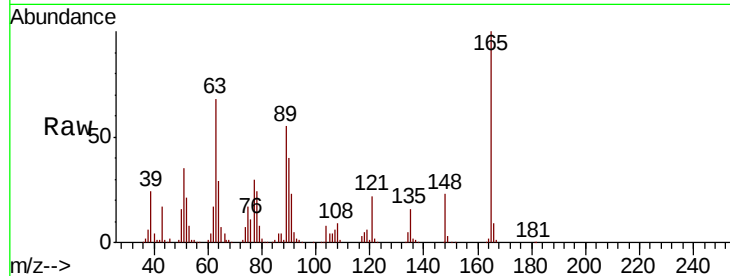
#51
2,6-Dinitrotoluene
Concen: 45.328 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	194058		
63	68.0	45.0	67.4#	
89	55.3	41.5	62.3	

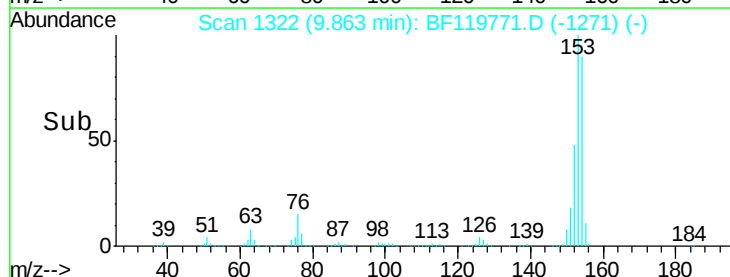
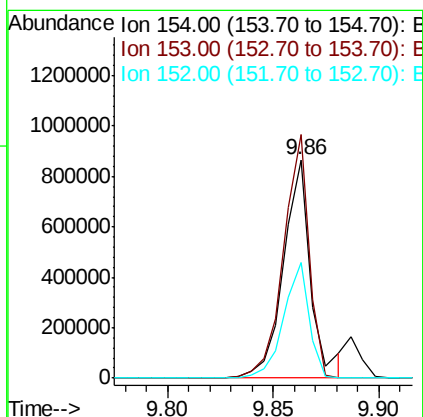
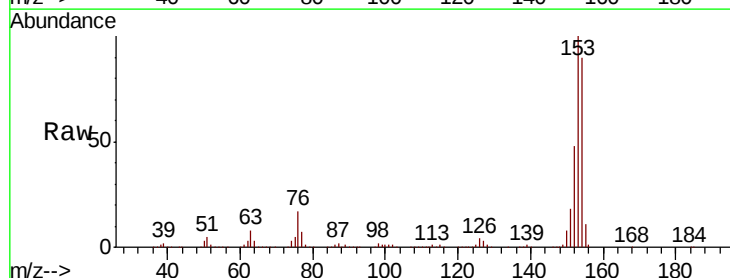
Manual Integrations
APPROVED

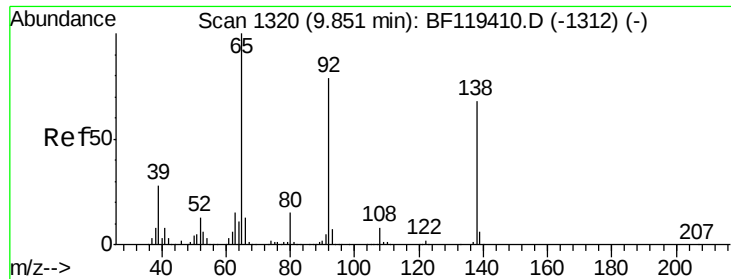
mohammad
4/8/2020 8:12:26 AM



#52
Acenaphthene
Concen: 44.494 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	781421		
153	111.5	88.1	132.1	
152	53.1	43.0	64.4	





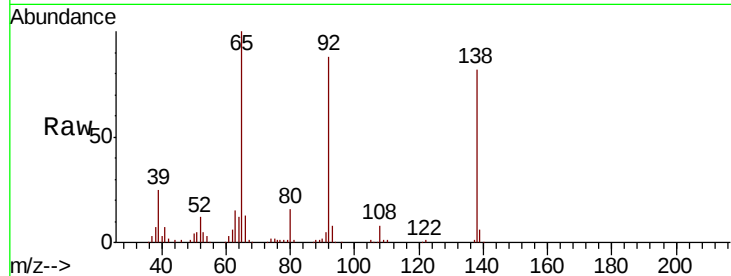
#53
3-Nitroaniline
Concen: 25.720 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	139014		
108	9.6	8.6	13.0	
92	107.6	95.4	143.0	

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM

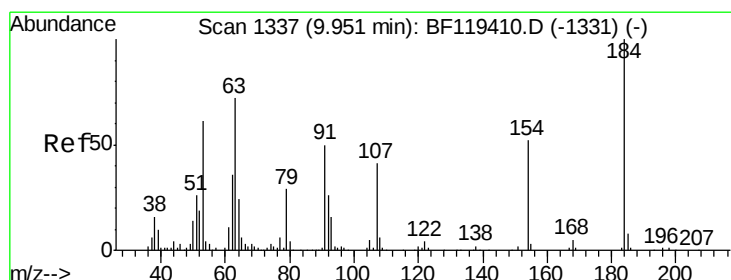
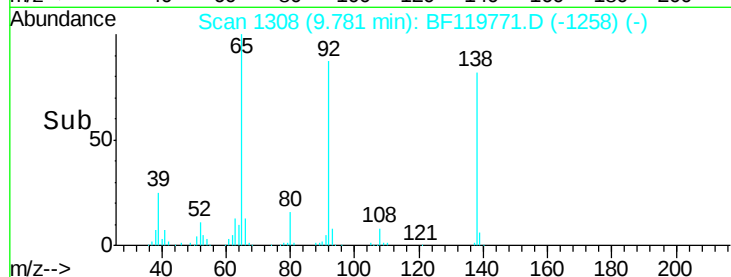
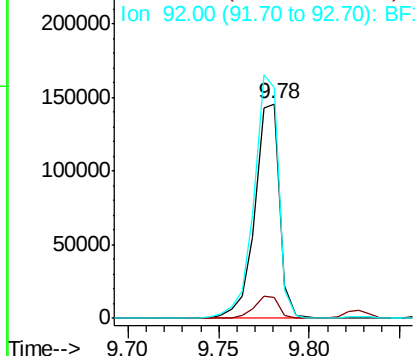


Abundance

Ion 138.00 (137.70 to 138.70): E

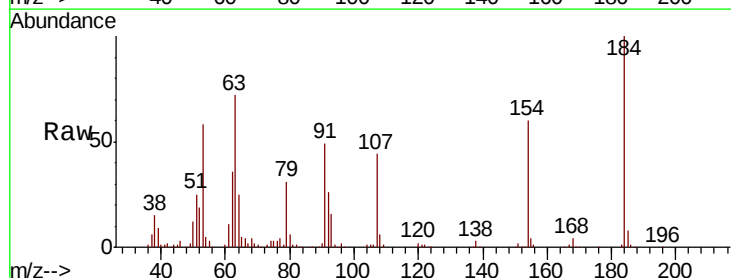
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 127.852 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	245707		
63	72.5	50.2	75.4	
154	59.7	44.5	66.7	

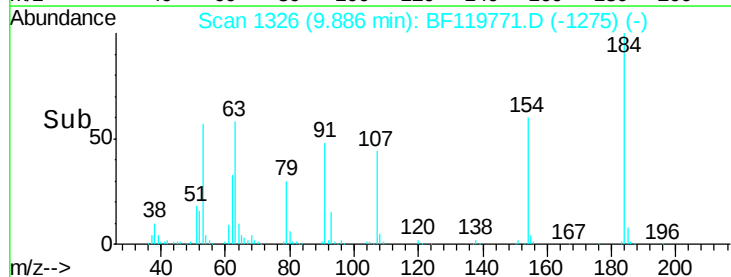
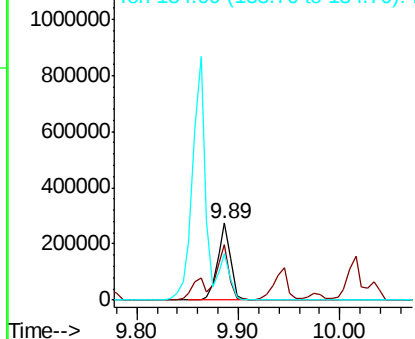


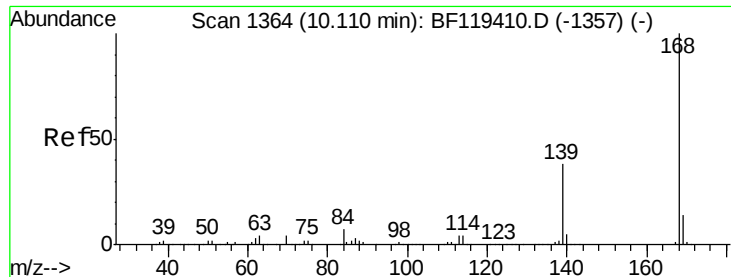
Abundance

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





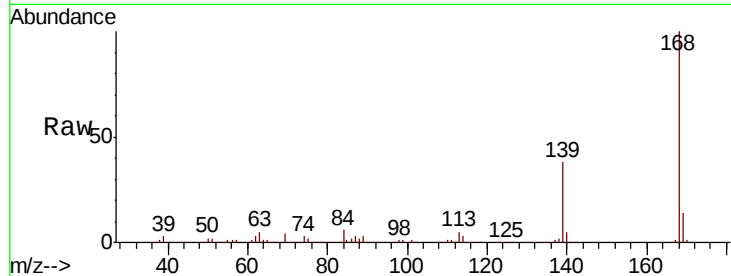
#55
Dibenzofuran
Concen: 42.454 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

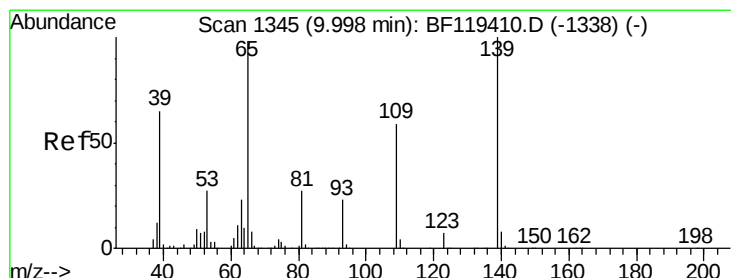
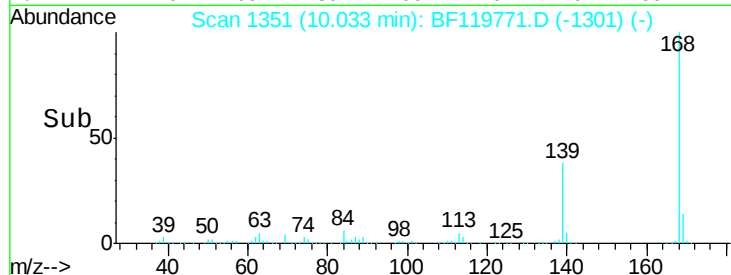
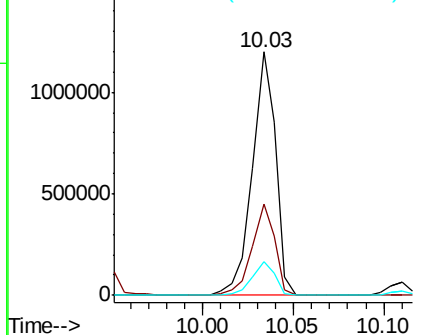
Tot Ion:168 Resp: 1068972
Ion Ratio Lower Upper
168 100
139 37.6 30.1 45.1
169 13.7 11.0 16.6

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM

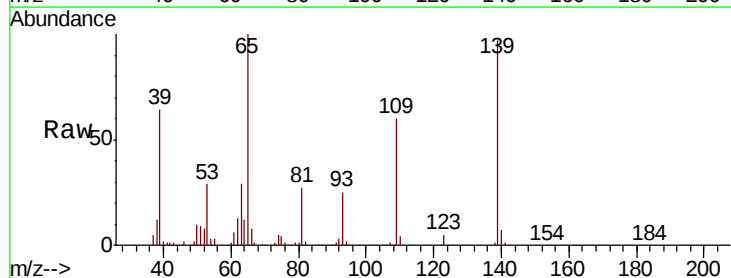


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

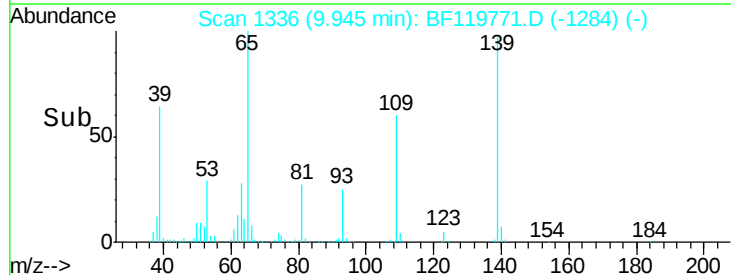
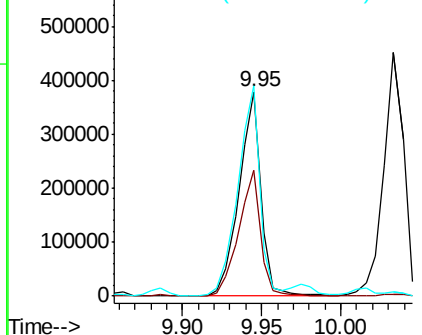


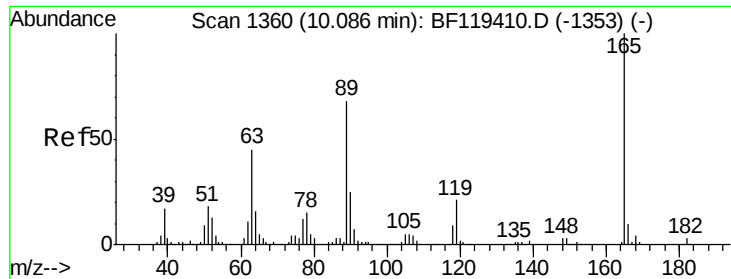
#56
4-Nitrophenol
Concen: 85.371 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion:139 Resp: 363998
Ion Ratio Lower Upper
139 100
109 61.6 43.3 83.3
65 103.2 91.0 131.0



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





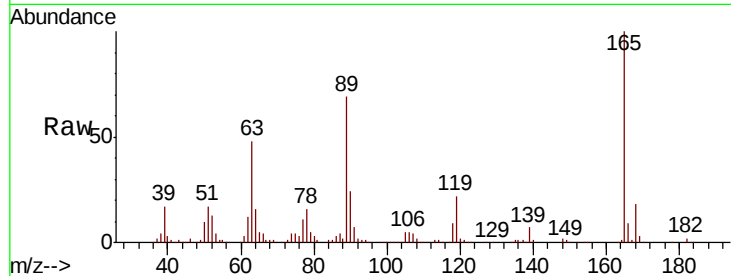
#57
2,4-Dinitrotoluene
Concen: 48.545 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	261806		
63	47.6	42.6	64.0	
89	68.8	61.0	91.4	
182	2.4	2.2	3.2	

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



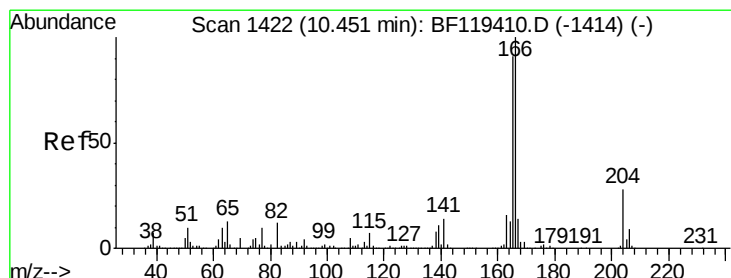
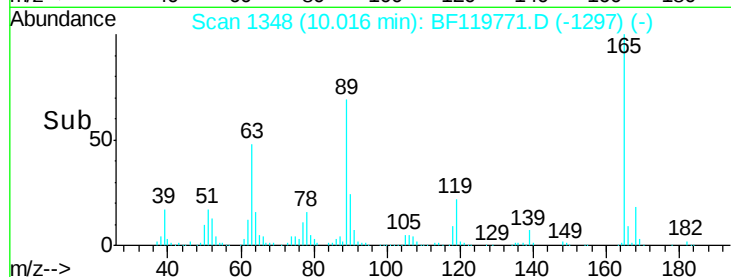
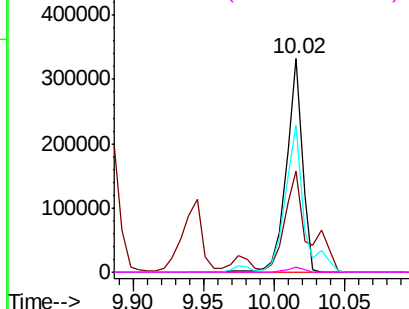
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

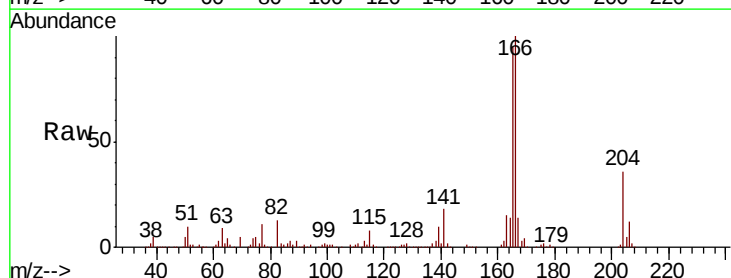
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 44.172 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	822489		
165	94.9	75.4	113.2	
167	14.1	11.2	16.8	

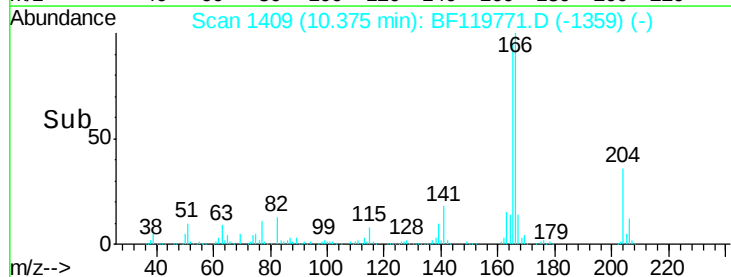
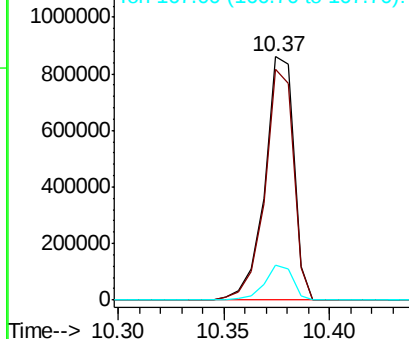


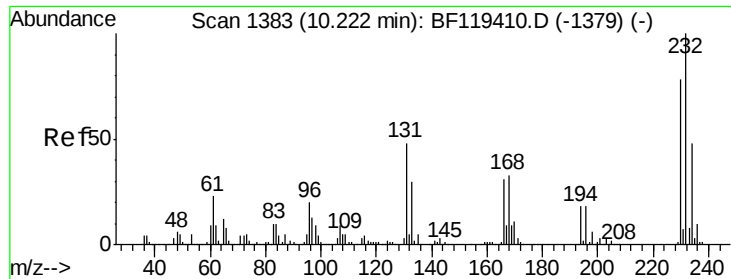
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





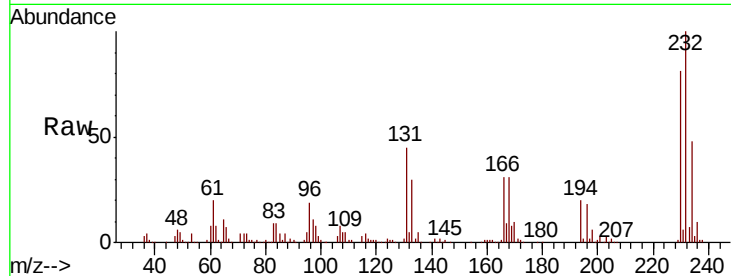
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.961 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	226996		
131	44.8		37.5	56.3
130	2.0		1.8	2.6
166	31.0		24.6	36.8

Manual Integrations
 APPROVED

mohammad
 4/8/2020 8:12:26 AM



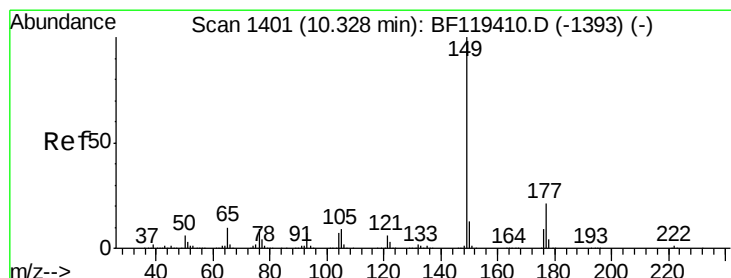
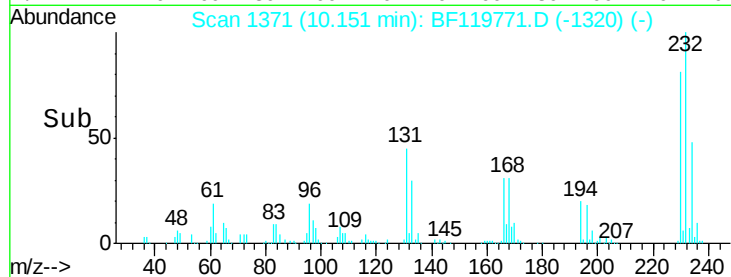
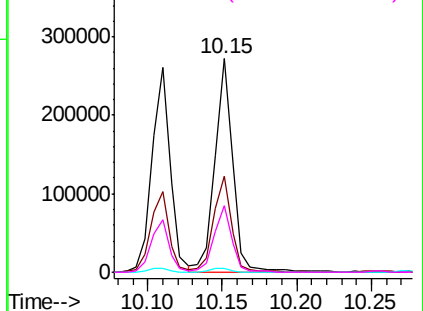
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

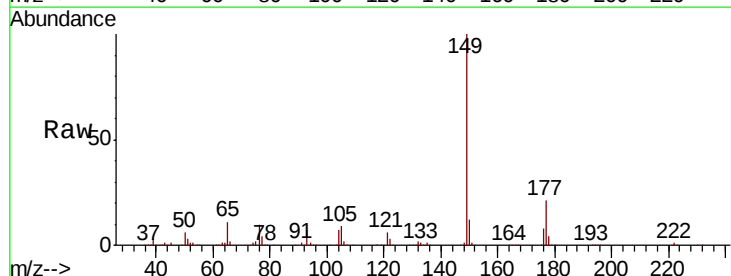
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 42.564 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	862836		
177	20.7		17.0	25.6
150	12.3		10.1	15.1

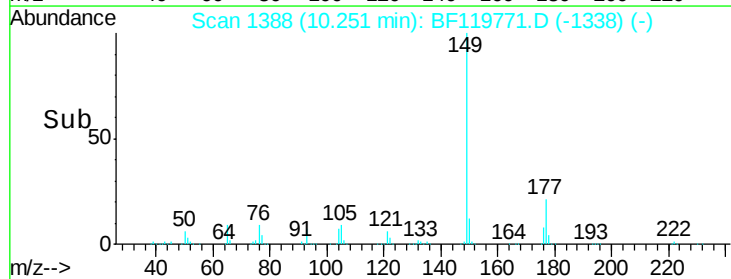
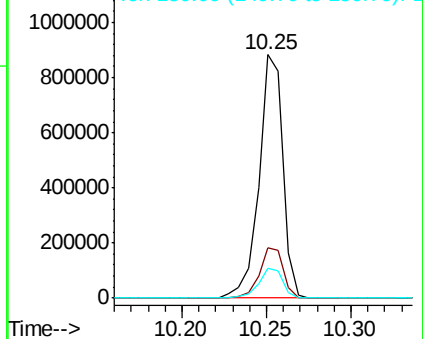


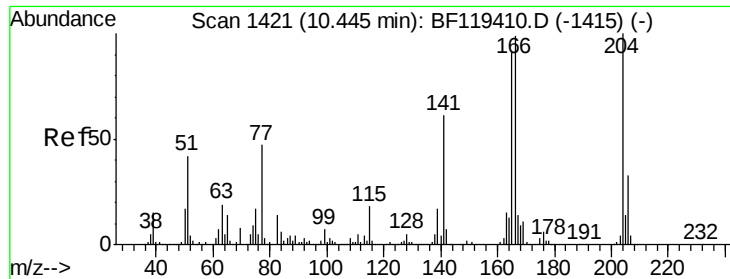
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





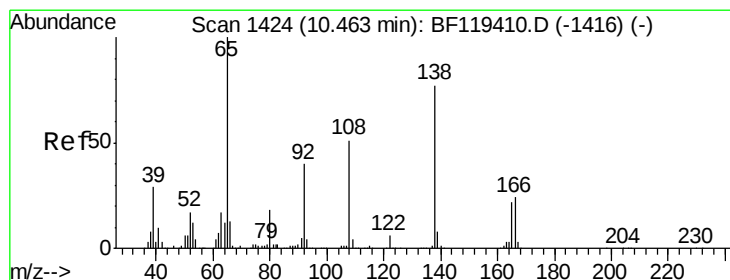
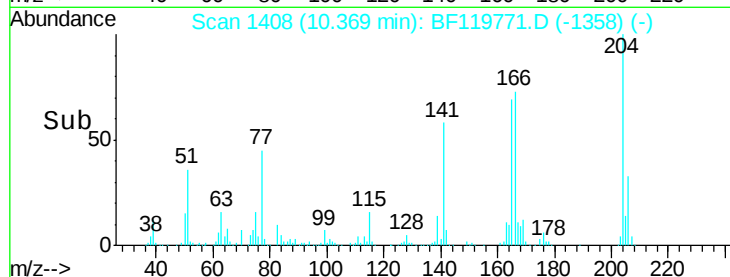
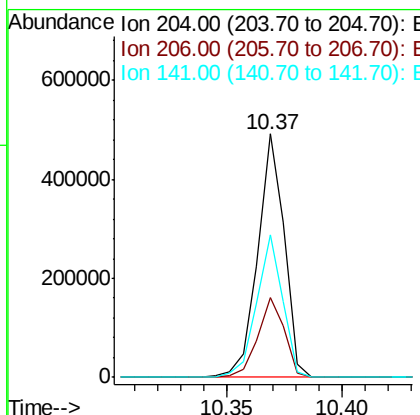
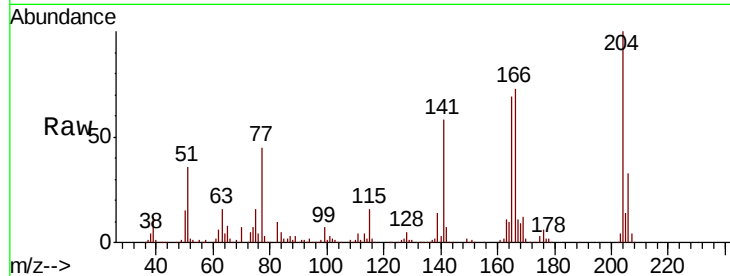
#61
4-Chlorophenyl-phenylether
Concen: 43.337 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.7	40.1
141	58.3	47.3	70.9

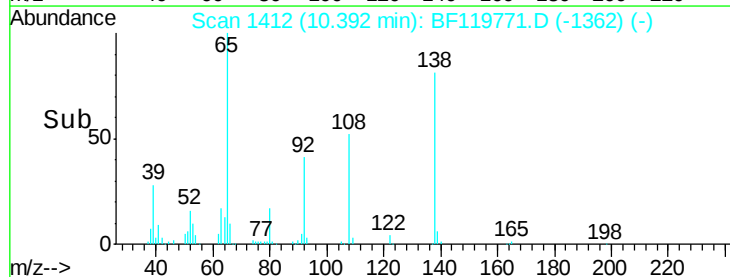
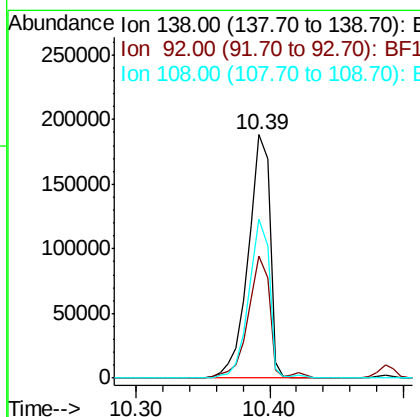
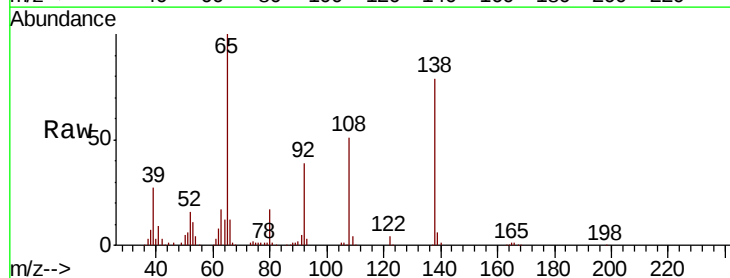
Manual Integrations
APPROVED

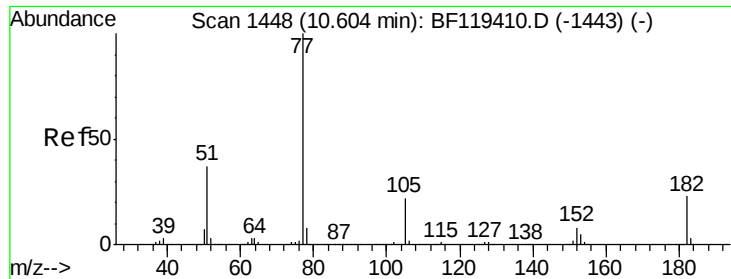
mohammad
4/8/2020 8:12:26 AM



#62
4-Nitroaniline
Concen: 40.360 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.1	31.5	71.5
108	65.5	45.8	85.8





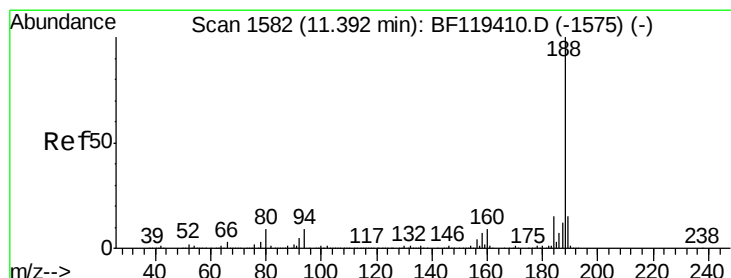
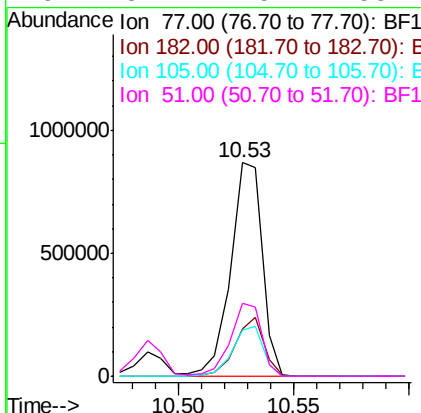
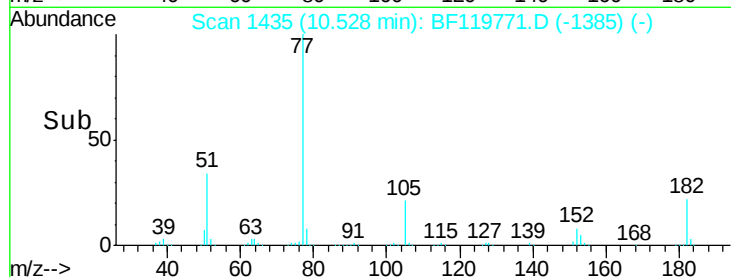
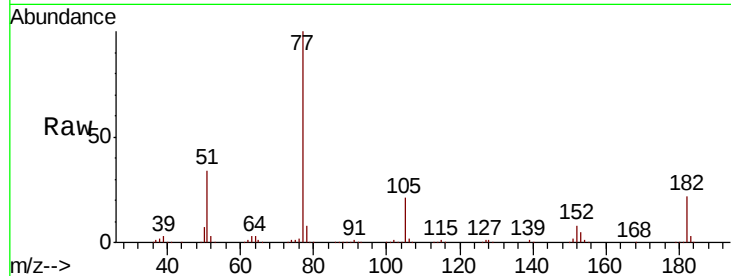
#63
Azobenzene
Concen: 40.727 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	22.3	4.4	44.4
105	21.5	2.6	42.6
51	34.1	15.1	55.1

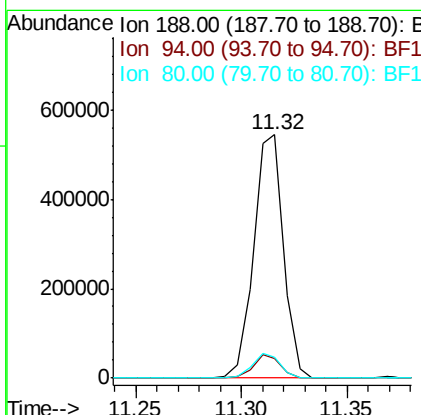
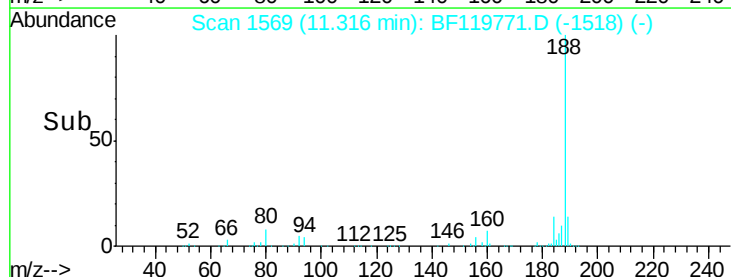
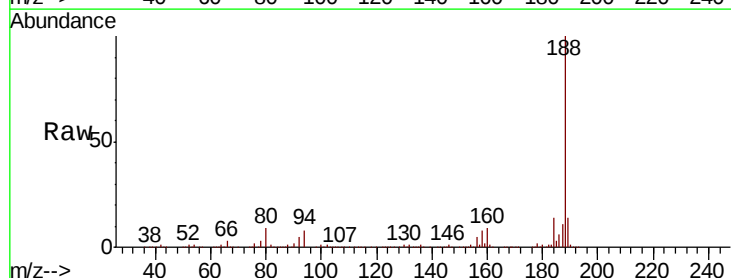
Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.5	11.3
80	8.6	9.0	13.4#





#65

4,6-Dinitro-2-methylphenol

Concen: 66.518 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

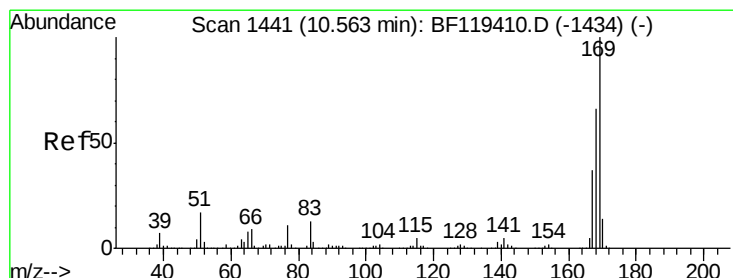
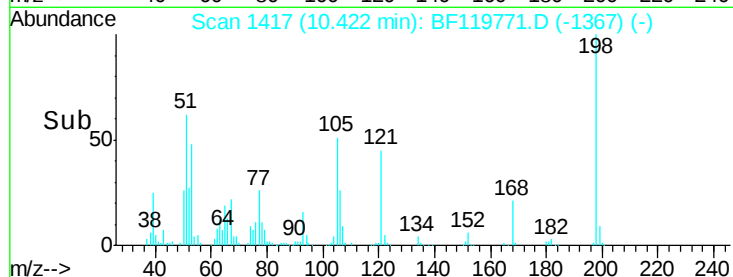
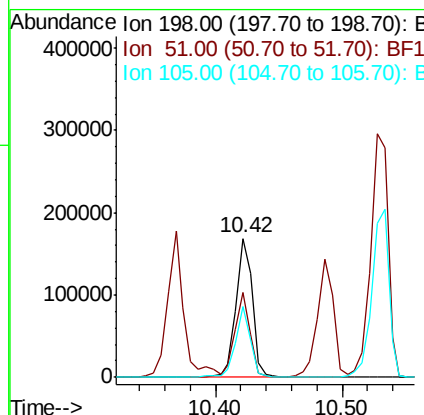
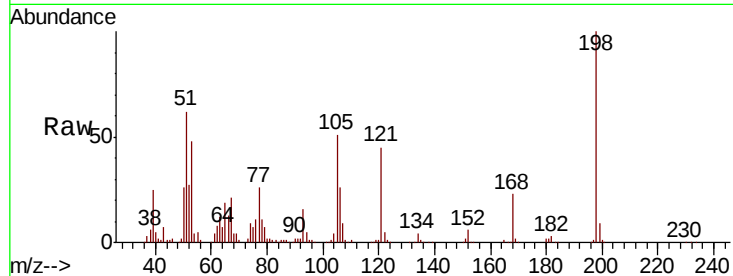
ClientSampled :

PB128003BSD

Tot Ion:	198	Resp:	148773
Ion Ratio	Lower	Upper	
198	100		
51	61.7	29.0	69.0
105	51.0	22.2	62.2

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#66

n-Nitrosodiphenylamine

Concen: 44.483 ng

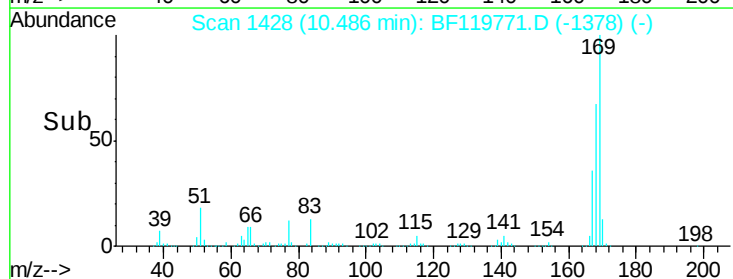
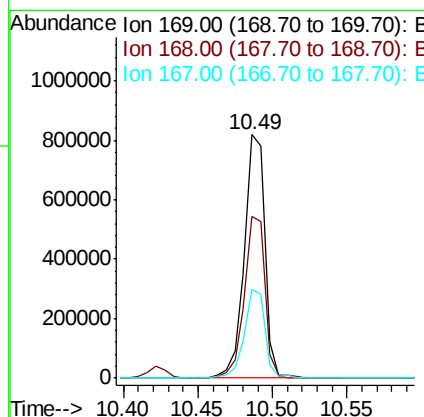
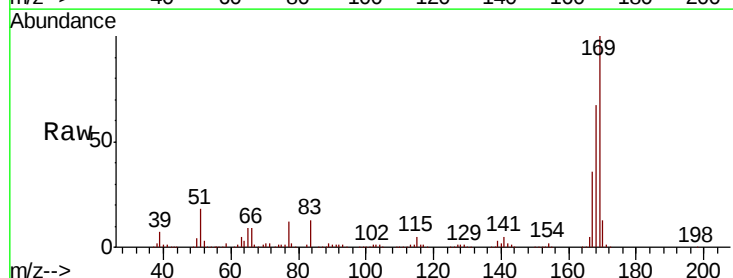
RT: 10.49 min Scan# 1428

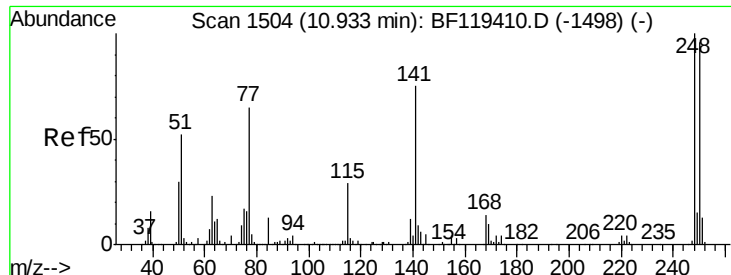
Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tgt Ion:	169	Resp:	778905
Ion Ratio	Lower	Upper	
169	100		
168	66.7	53.2	79.8
167	36.2	29.1	43.7





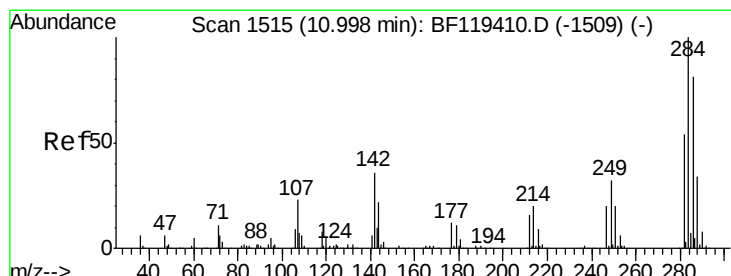
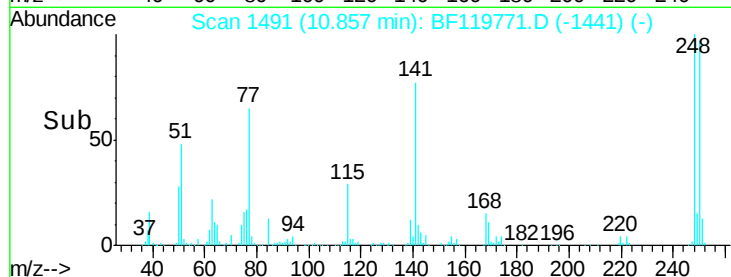
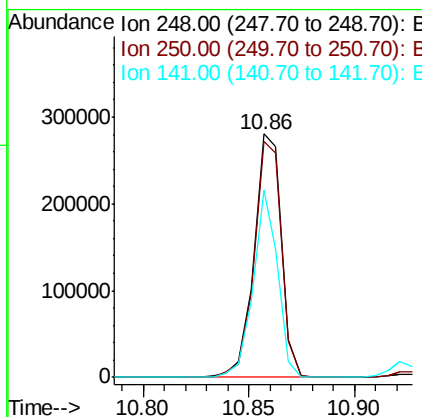
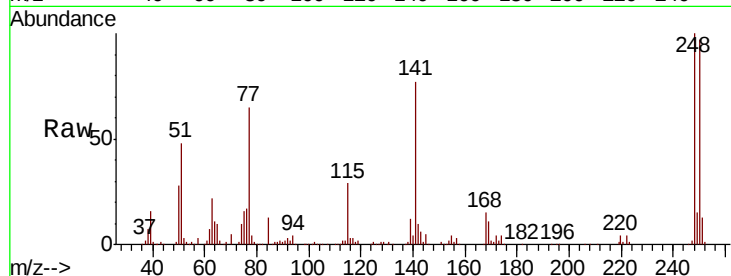
#67
 4-Bromophenyl-phenylether
 Concen: 41.604 ng
 RT: 10.86 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion:	248	Resp:	252723
Ion Ratio	Lower	Upper	
248	100		
250	96.9	77.3	115.9
141	76.7	58.6	87.8

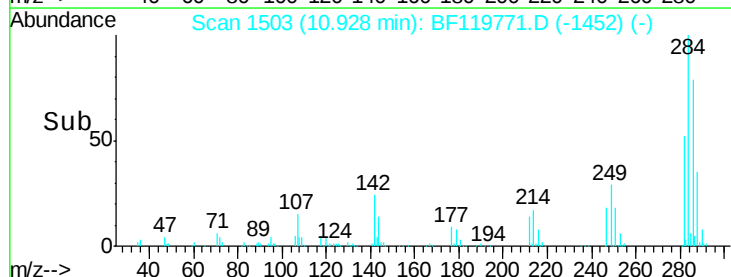
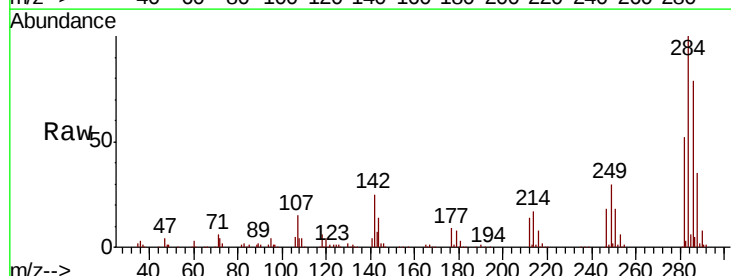
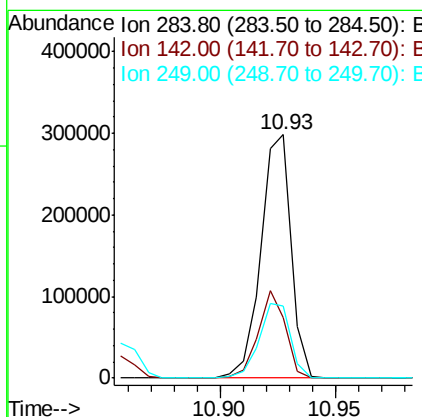
Manual Integrations
 APPROVED

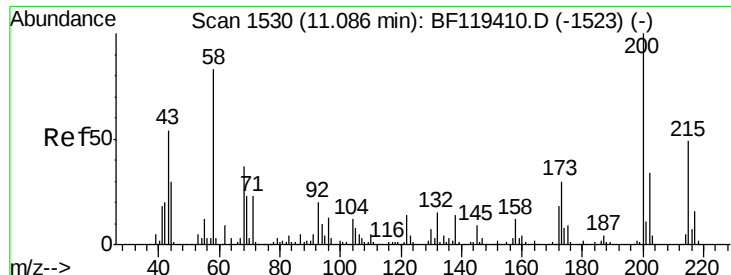
mohammad
 4/8/2020 8:12:26 AM



#68
 Hexachlorobenzene
 Concen: 43.857 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion:	284	Resp:	272666
Ion Ratio	Lower	Upper	
284	100		
142	24.9	29.2	43.8#
249	29.6	25.1	37.7





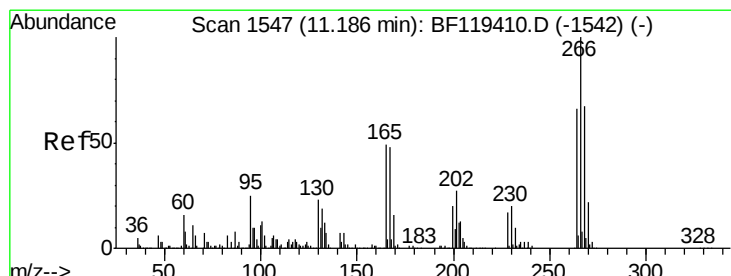
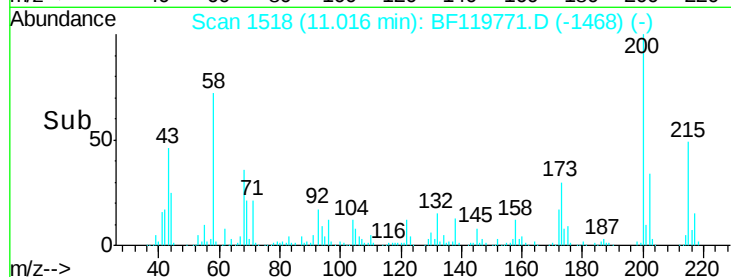
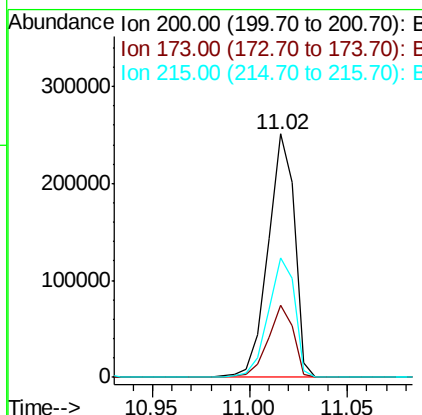
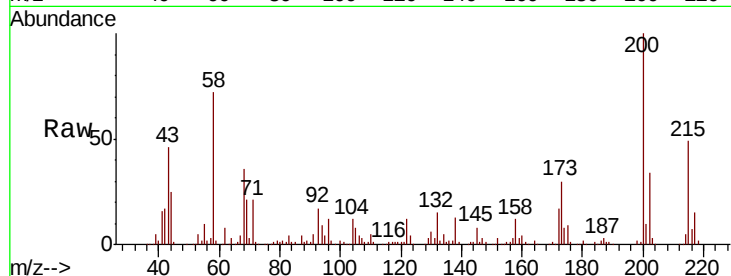
#69
 Atrazine
 Concen: 49.039 ng
 RT: 11.02 min Scan# 1518
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.5	9.3	49.3
215	49.3	29.5	69.5

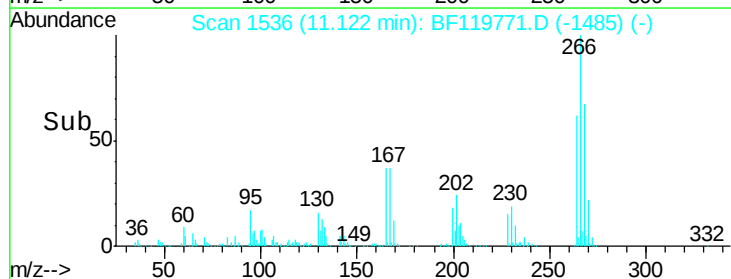
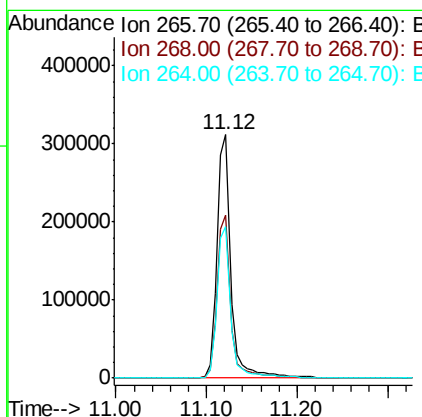
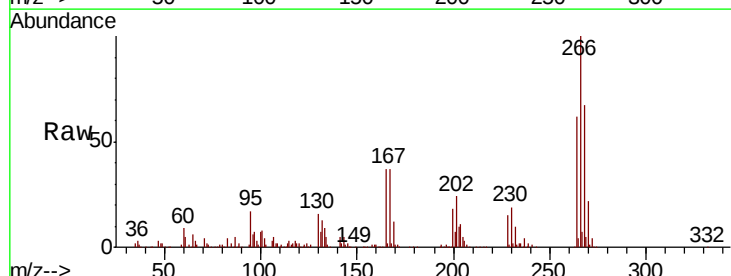
Manual Integrations
 APPROVED

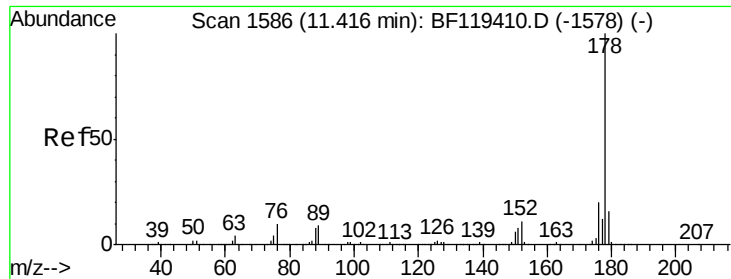
mohammad
 4/8/2020 8:12:26 AM



#70
 Pentachlorophenol
 Concen: 90.422 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.7	53.3	79.9
264	62.3	49.0	73.4





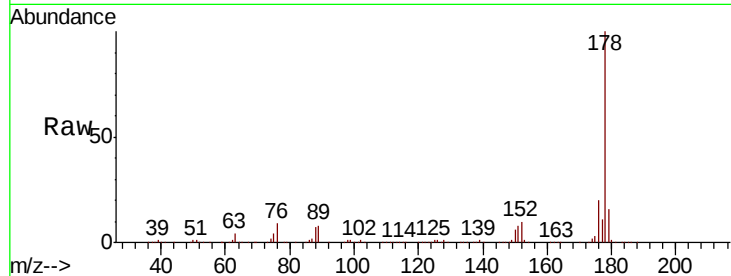
#71
Phenanthrene
Concen: 44.188 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

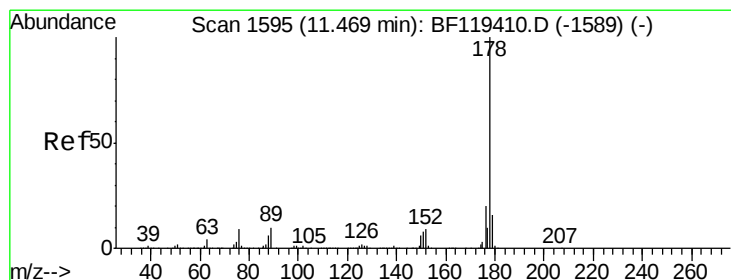
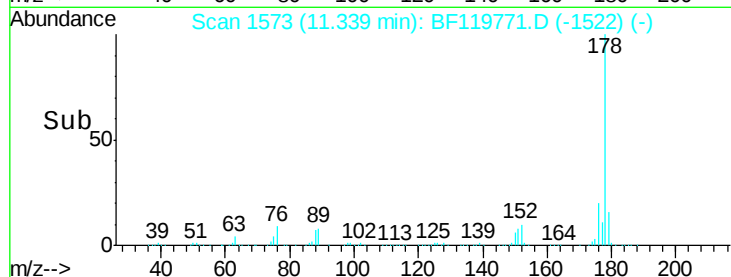
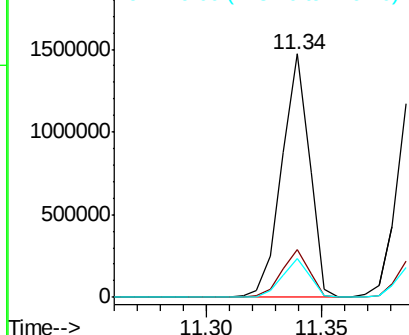
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.9	13.2	19.8

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



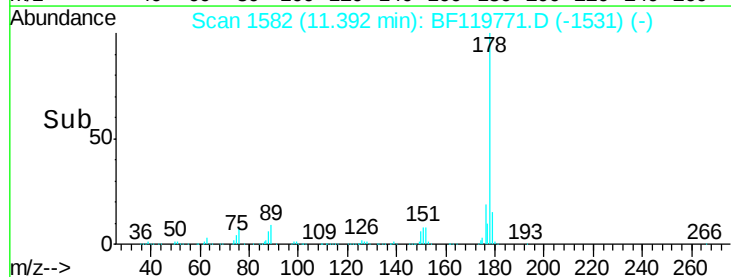
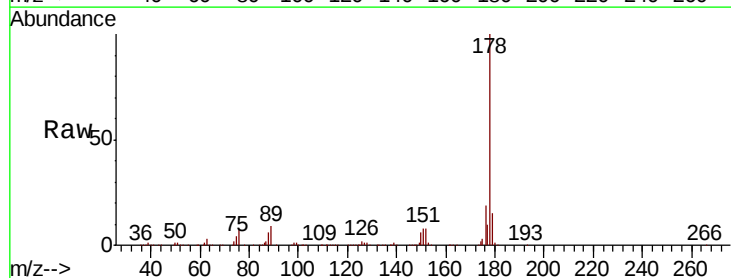
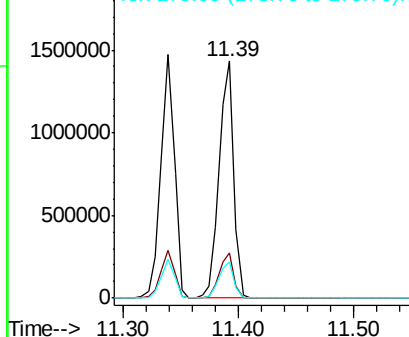
Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

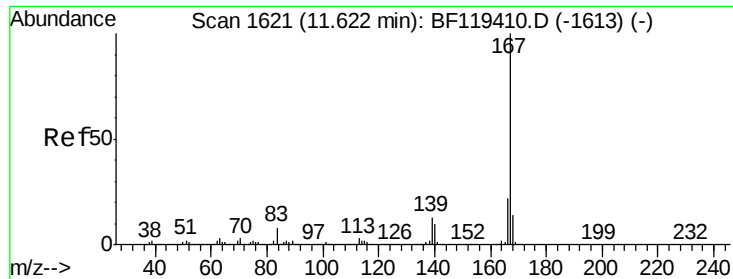


#72
Anthracene
Concen: 44.728 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.1	24.1
179	15.5	13.0	19.4

Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 43.913 ng

RT: 11.55 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion:167 Resp: 1221753

Ion Ratio Lower Upper

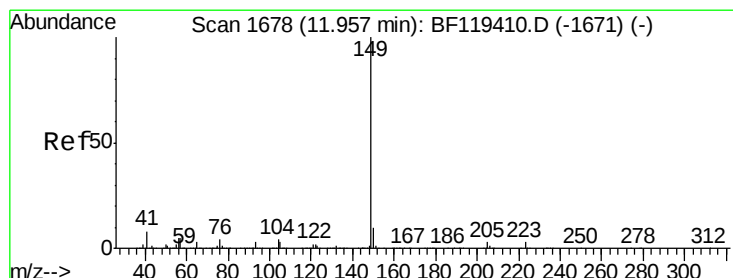
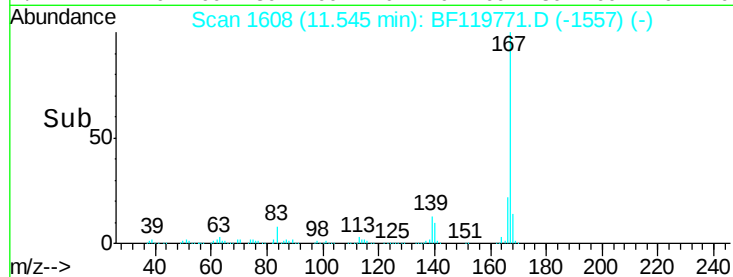
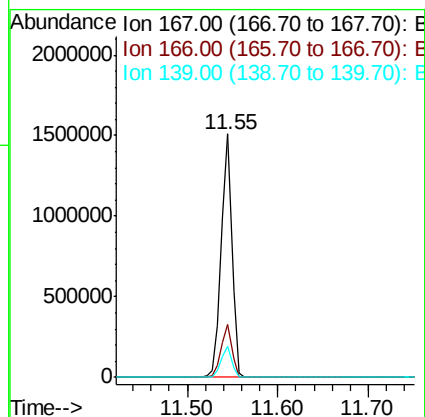
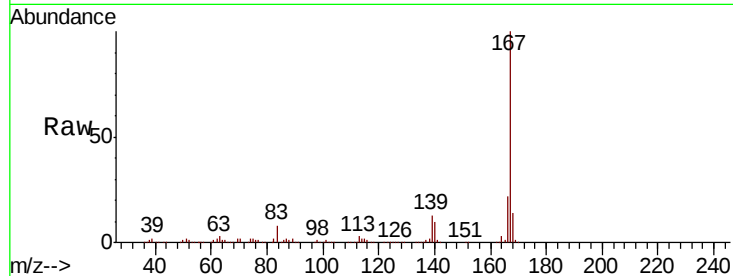
167 100

166 21.6 18.2 27.4

139 12.7 10.7 16.1

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#74

Di-n-butylphthalate

Concen: 46.074 ng

RT: 11.88 min Scan# 1665

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

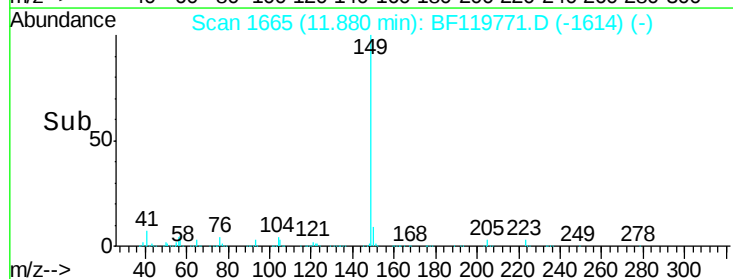
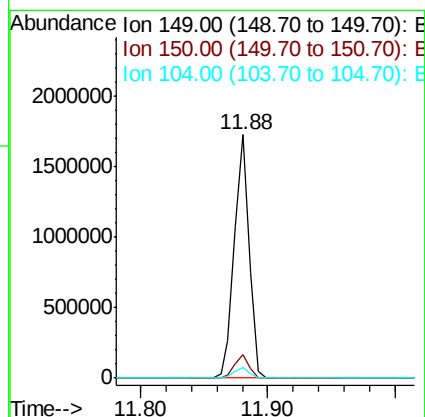
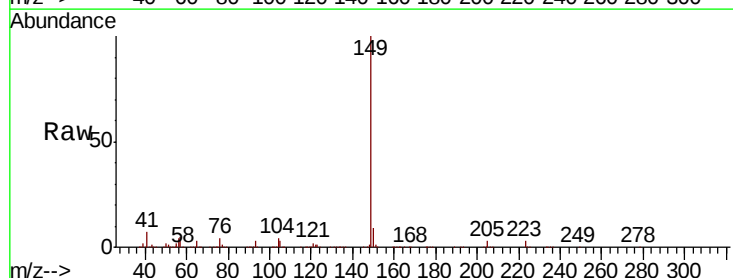
Tgt Ion:149 Resp: 1371279

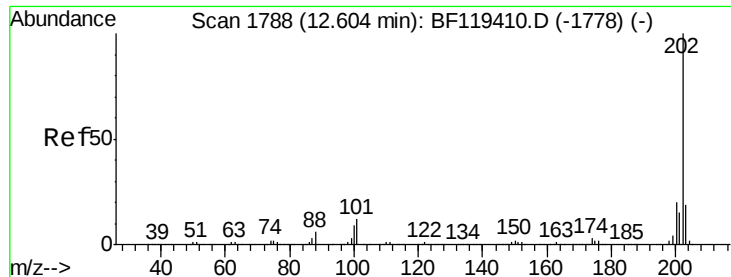
Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.8

104 4.5 3.6 5.4





#75

Fluoranthene

Concen: 43.907 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion:202 Resp: 1314209

Ion Ratio Lower Upper

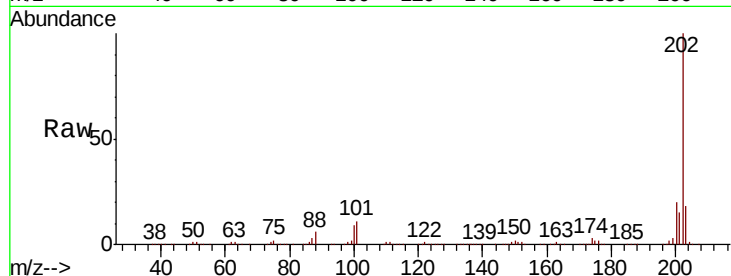
202 100

101 11.3 0.0 32.2

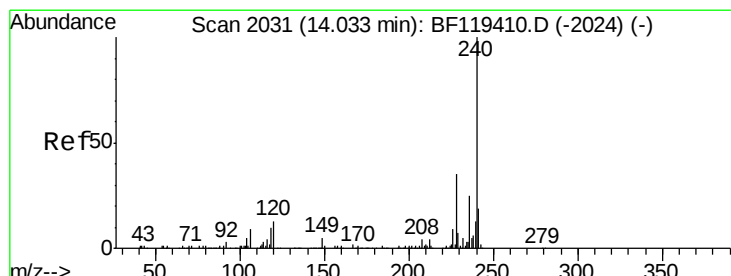
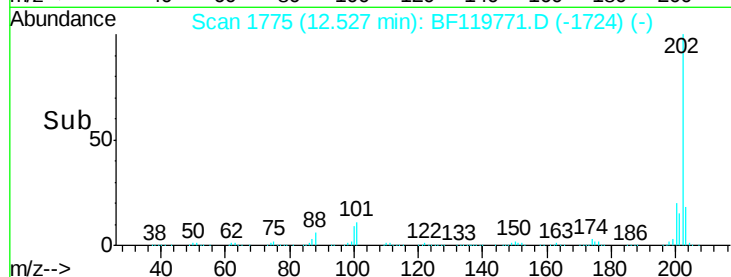
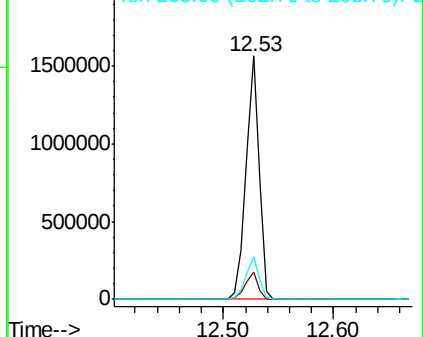
203 17.7 0.0 38.8

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

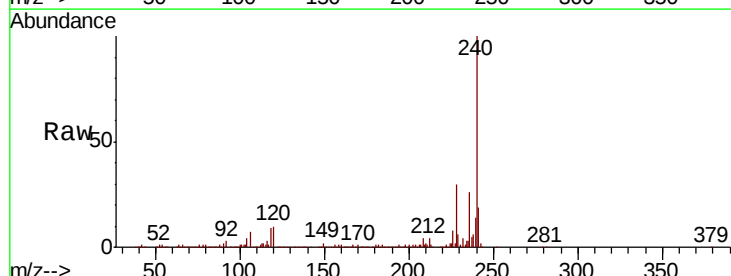
Tgt Ion:240 Resp: 401299

Ion Ratio Lower Upper

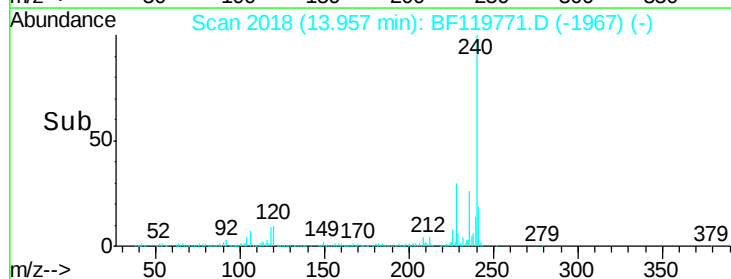
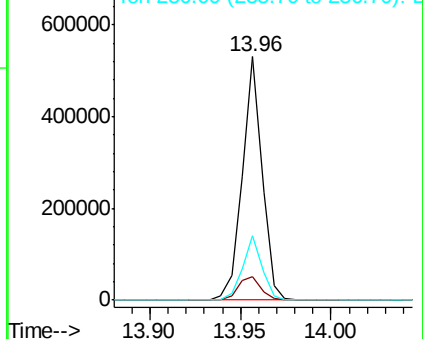
240 100

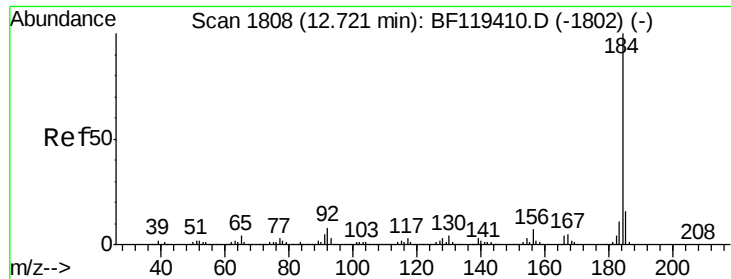
120 9.8 10.6 15.8#

236 26.2 20.2 30.2



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





#77

Benzidine

Concen: 28.764 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

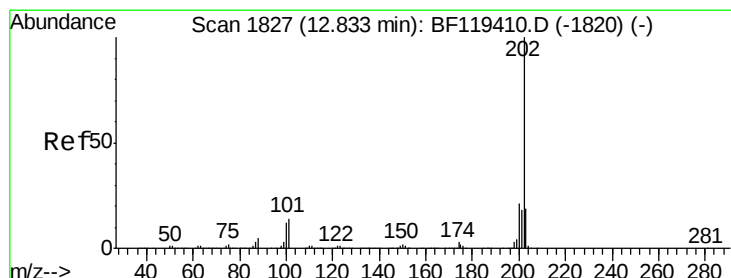
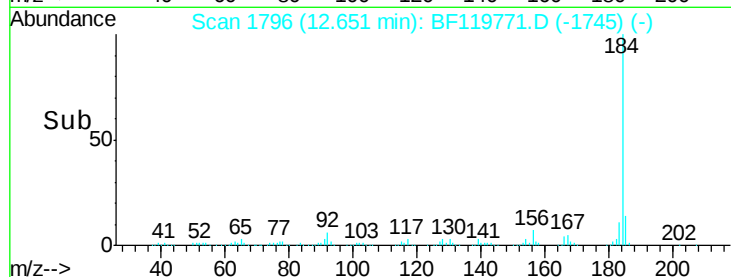
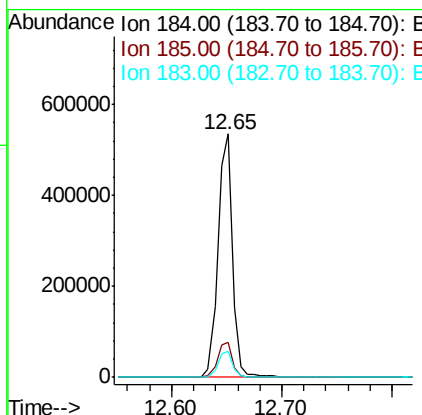
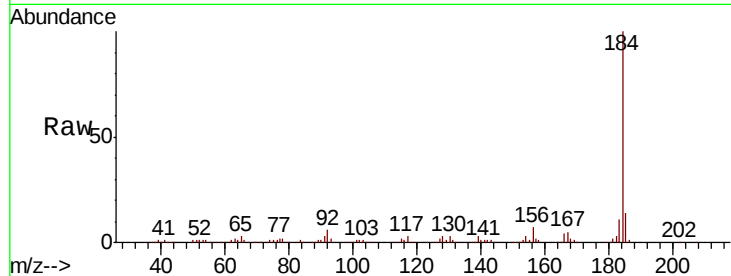
ClientSampleId :

PB128003BSD

Tot Ion:	184	Resp:	488505
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.3	18.5
183	10.8	9.0	13.6

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#78

Pyrene

Concen: 40.765 ng

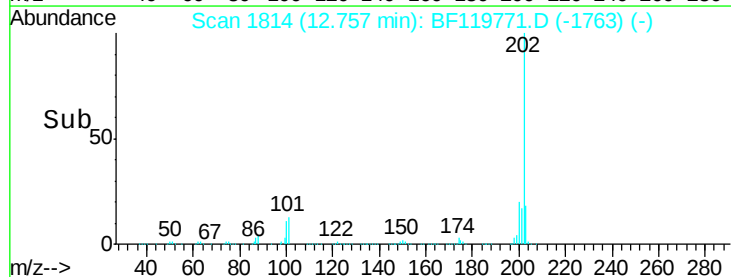
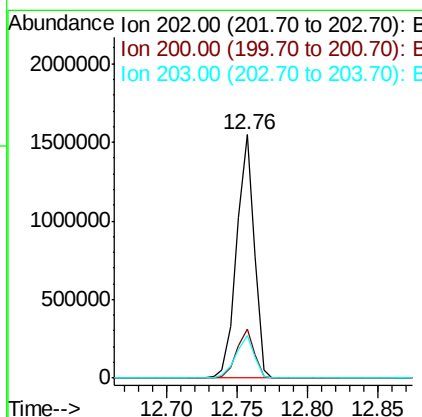
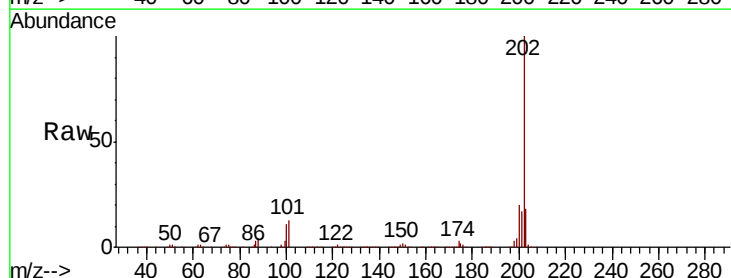
RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Tgt Ion:	202	Resp:	1342565
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.8	25.2
203	17.6	15.1	22.7





#79

Terphenyl-d14

Concen: 87.346 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion:244 Resp: 1789083

Ion Ratio Lower Upper

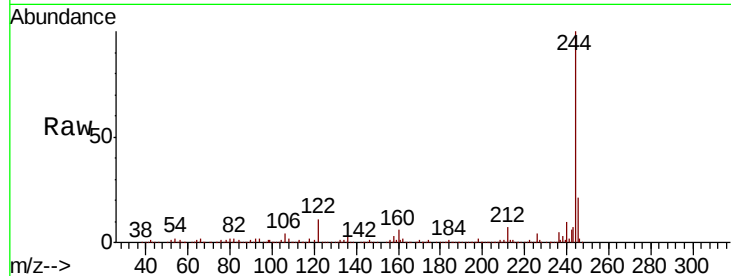
244 100

212 6.6 5.8 8.8

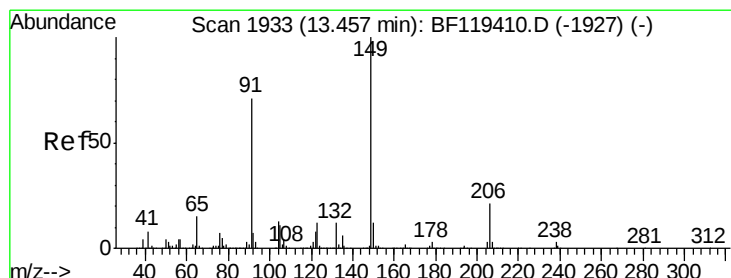
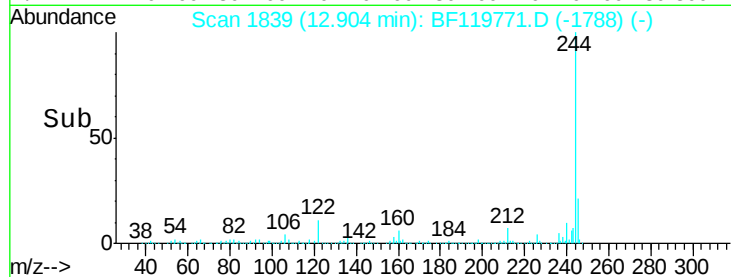
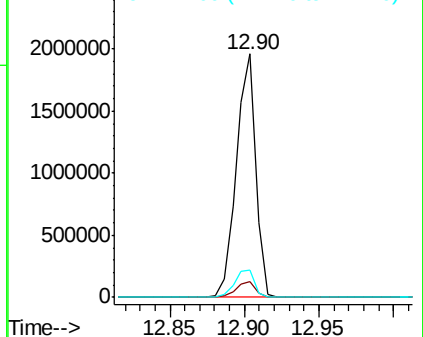
122 11.2 10.3 15.5

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



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



#80

Butylbenzylphthalate

Concen: 42.782 ng

RT: 13.38 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

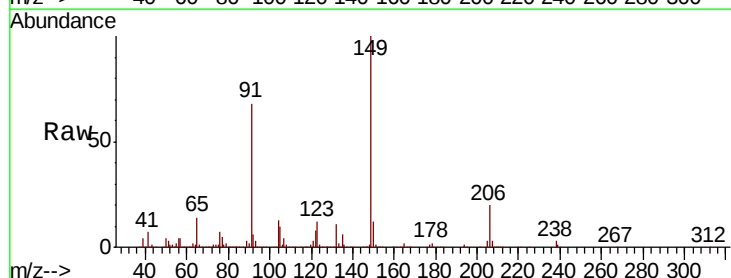
Tgt Ion:149 Resp: 569872

Ion Ratio Lower Upper

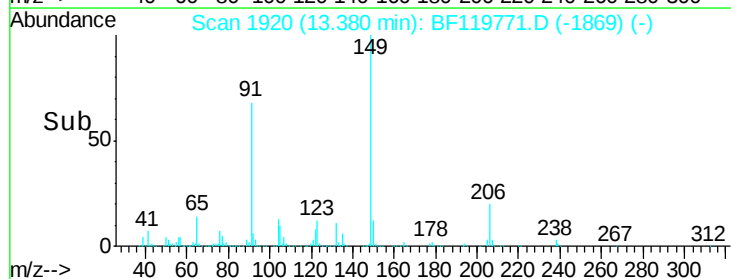
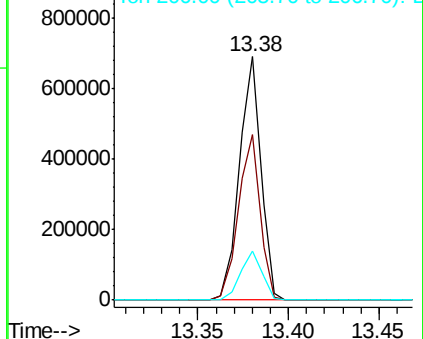
149 100

91 68.0 54.7 82.1

206 20.0 16.2 24.2



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





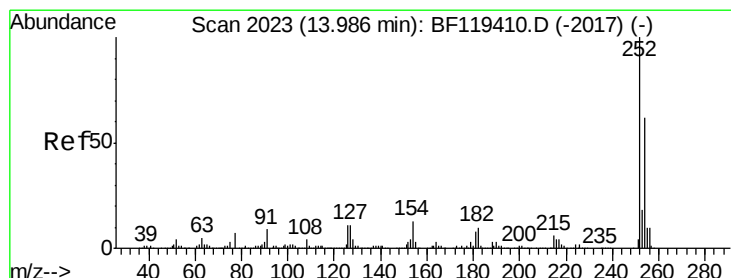
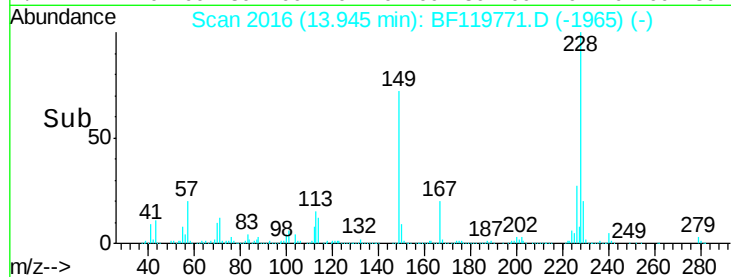
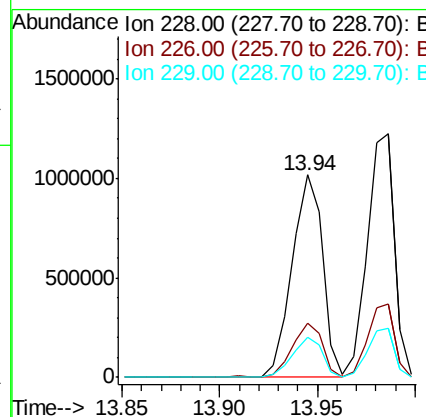
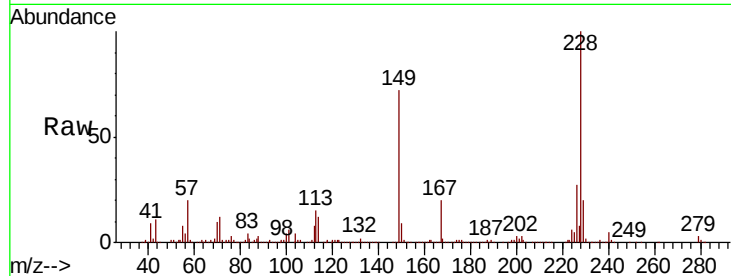
#81
Benzo(a)anthracene
Concen: 42.184 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.6	16.2	24.4

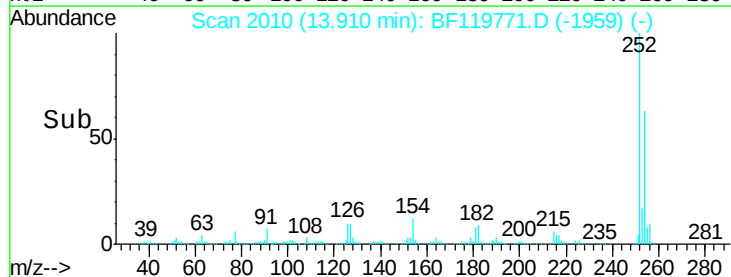
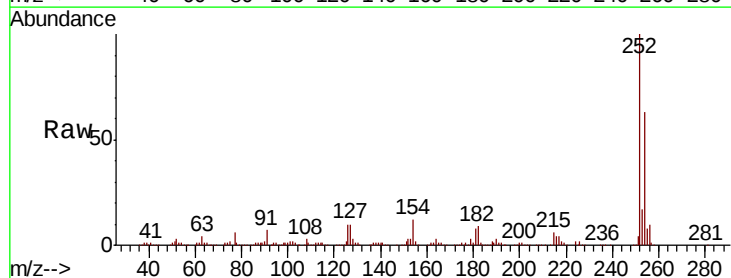
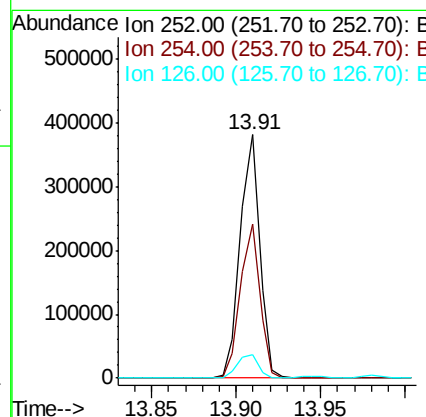
Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#82
3,3'-Dichlorobenzidine
Concen: 29.995 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.2	76.8
126	9.6	9.6	14.4





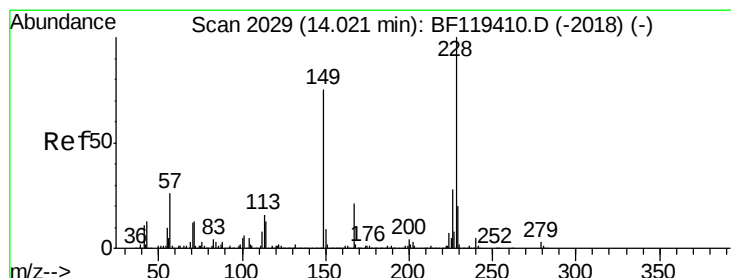
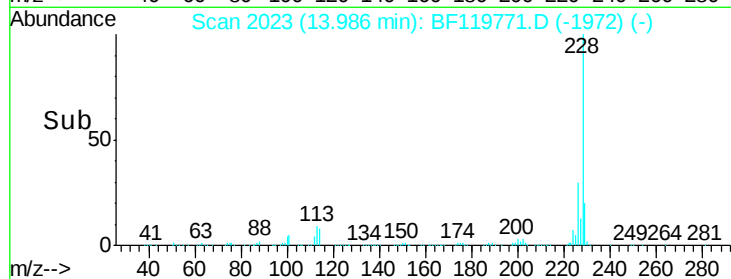
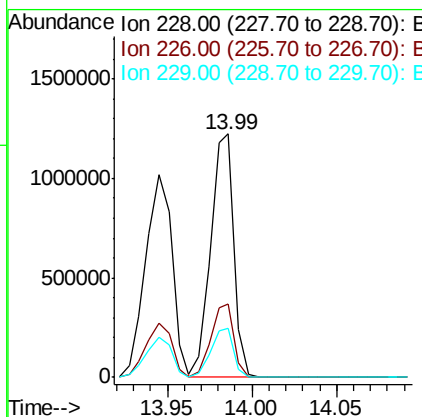
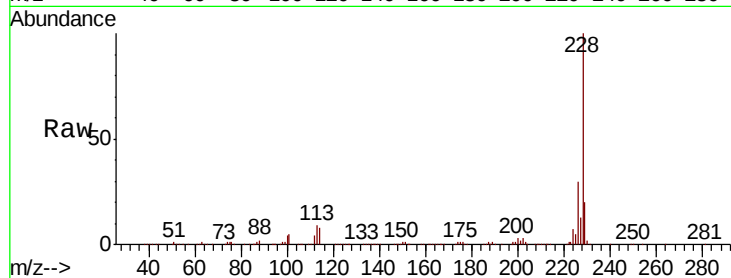
#83
 Chrysene
 Concen: 43.478 ng
 RT: 13.99 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Instrument :
 BNA_F
 ClientSampleId :
 PB128003BSD

Tot Ion:228 Resp: 1170939
 Ion Ratio Lower Upper
 228 100
 226 30.2 25.4 38.0
 229 20.2 16.6 24.8

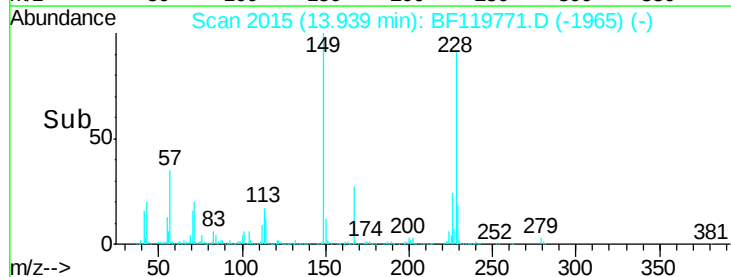
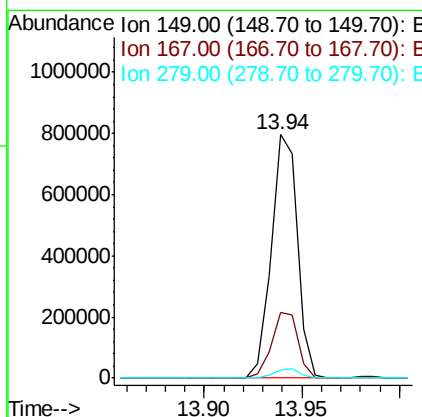
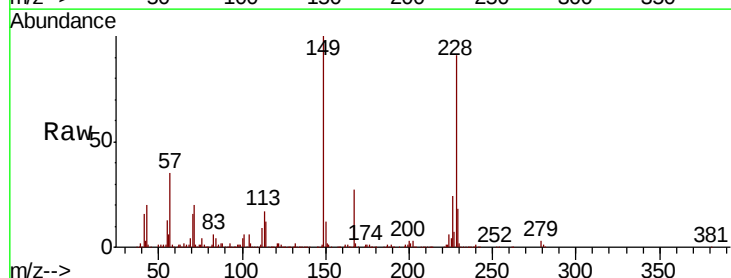
Manual Integrations
 APPROVED

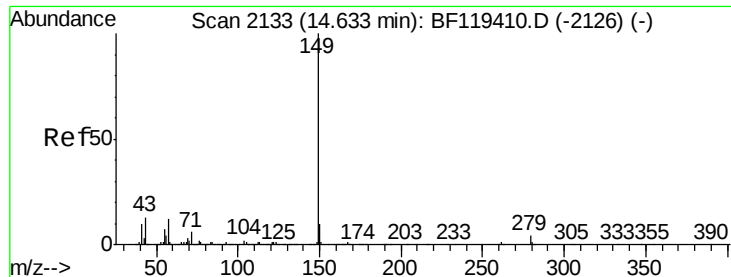
mohammad
 4/8/2020 8:12:26 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.436 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF119771.D
 Acq: 6 Apr 2020 14:58

Tgt Ion:149 Resp: 737361
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.3 31.9
 279 3.2 2.7 4.1





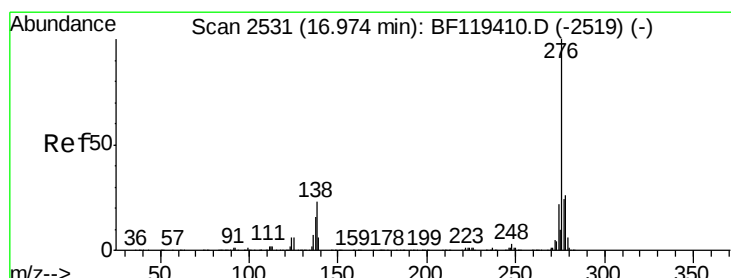
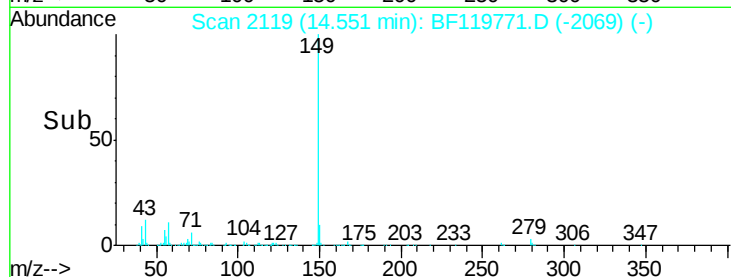
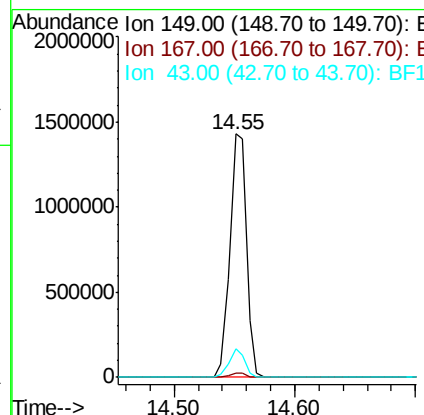
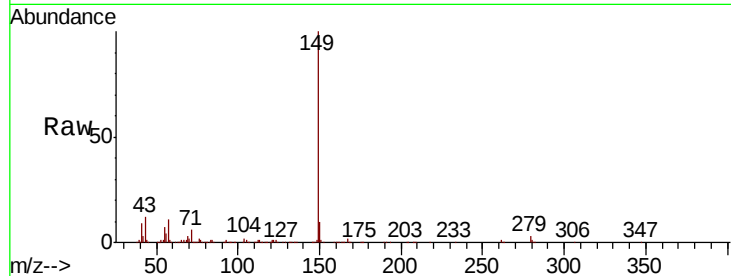
#85
Di-n-octyl phthalate
Concen: 48.747 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.9	9.3	13.9

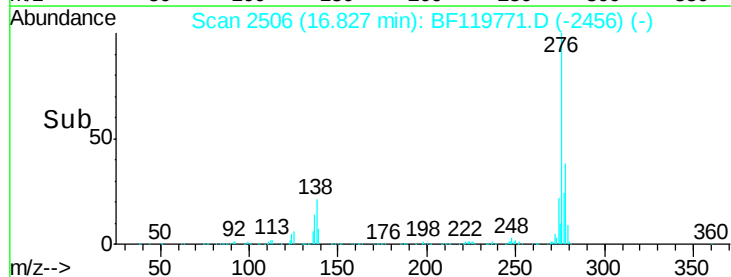
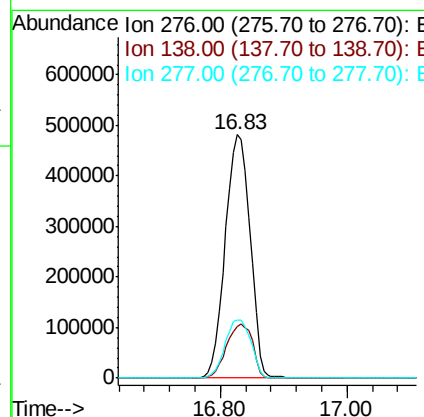
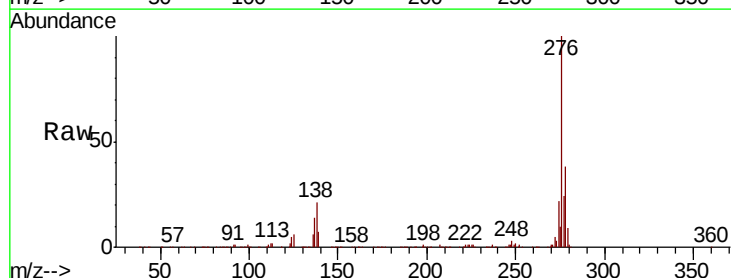
Manual Integrations
APPROVED

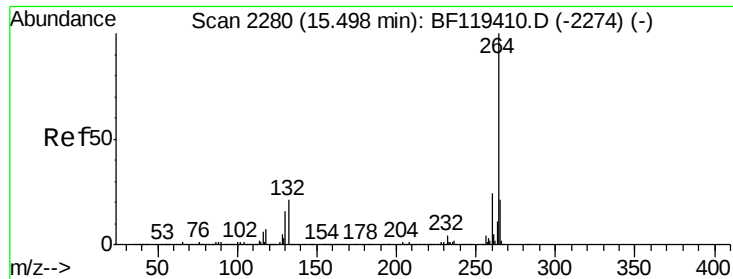
mohammad
4/8/2020 8:12:26 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 51.561 ng
RT: 16.83 min Scan# 2506
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	19.6	29.4
277	25.1	20.0	30.0





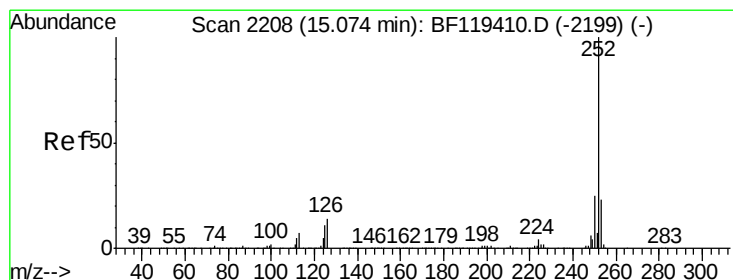
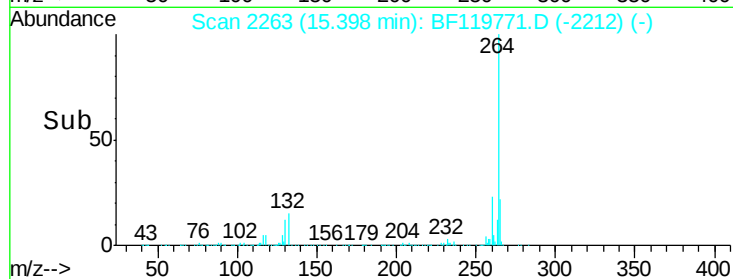
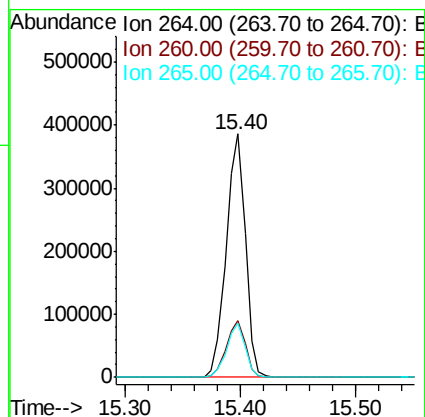
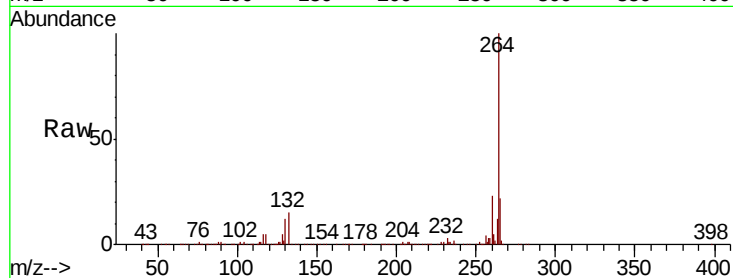
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Instrument :
BNA_F
ClientSampleId :
PB128003BSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.0	17.7	26.5

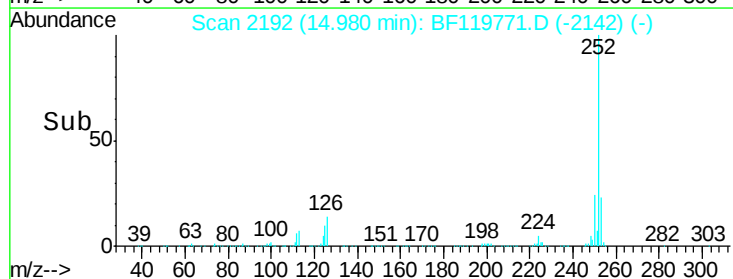
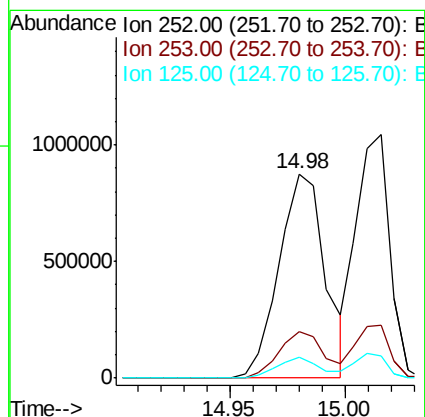
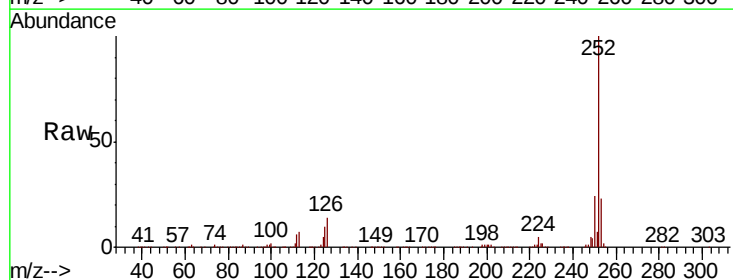
Manual Integrations
APPROVED

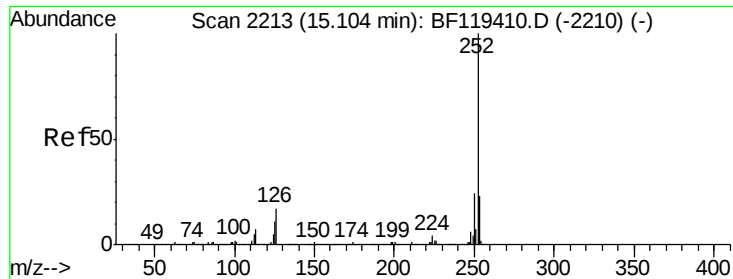
mohammad
4/8/2020 8:12:26 AM



#88
Benzo(b)fluoranthene
Concen: 41.078 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF119771.D
Acq: 6 Apr 2020 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	10.3	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 37.498 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion:252 Resp: 1060043

Ion Ratio Lower Upper

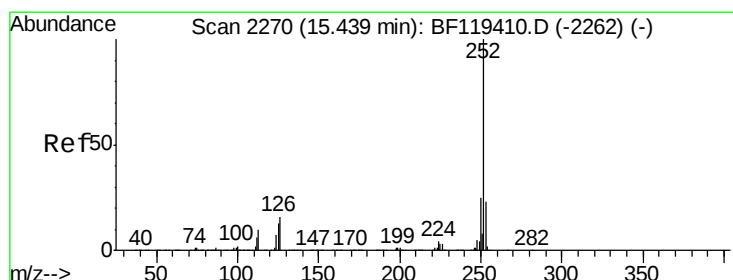
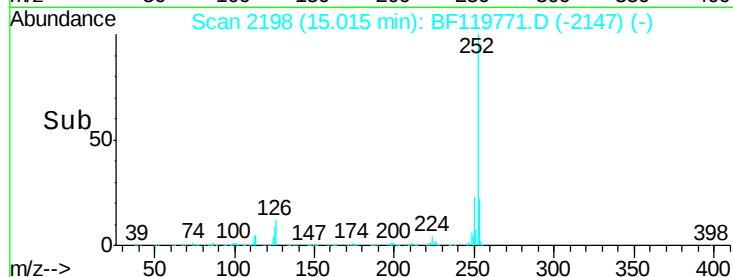
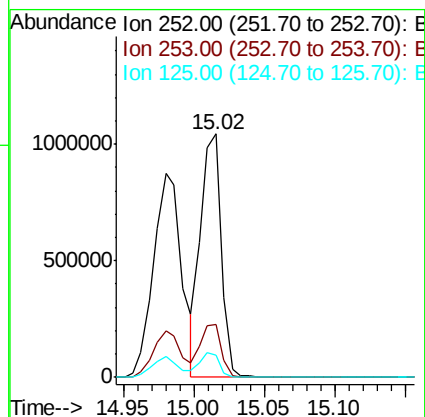
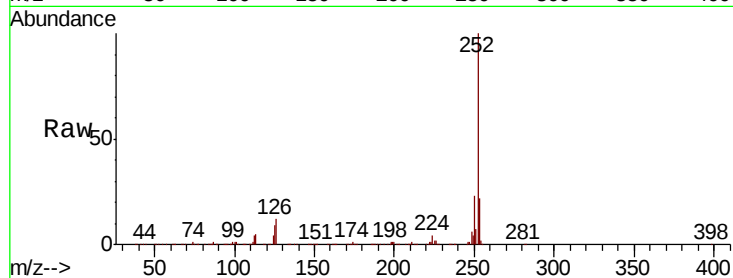
252 100

253 21.8 17.8 26.6

125 8.9 8.4 12.6

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



#90

Benzo(a)pyrene

Concen: 41.063 ng

RT: 15.34 min Scan# 2253

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

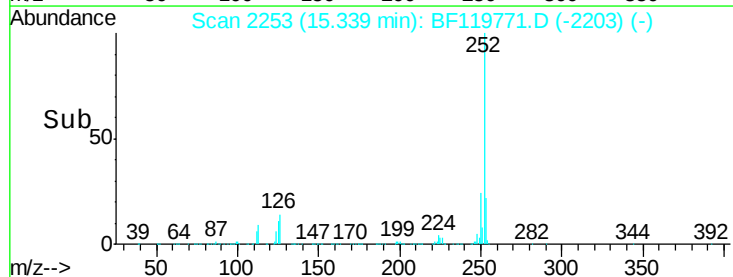
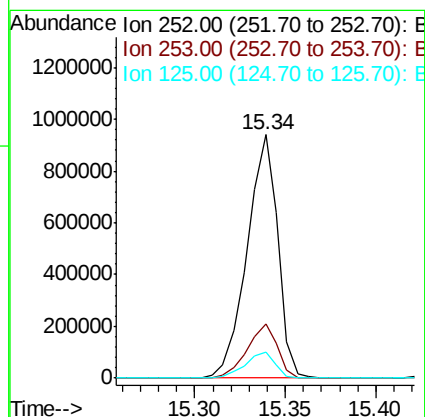
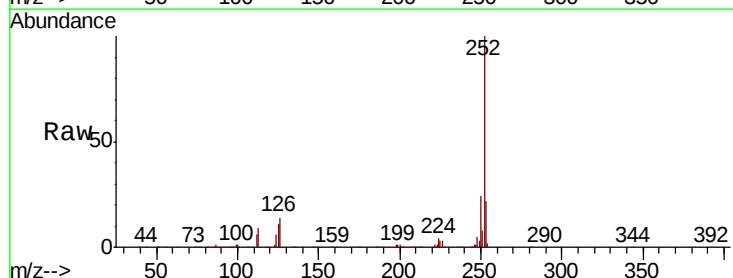
Tgt Ion:252 Resp: 1107903

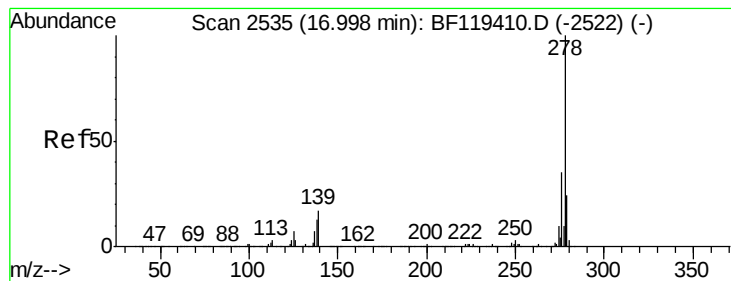
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 10.9 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 45.899 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

Instrument :

BNA_F

ClientSampleId :

PB128003BSD

Tot Ion:278 Resp: 1083156

Ion Ratio Lower Upper

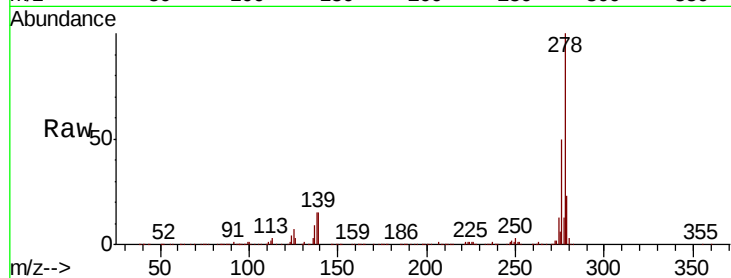
278 100

139 15.2 12.6 19.0

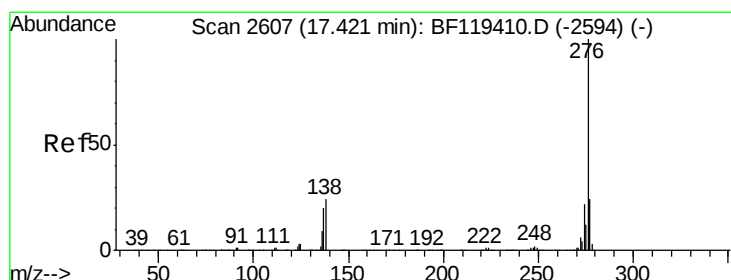
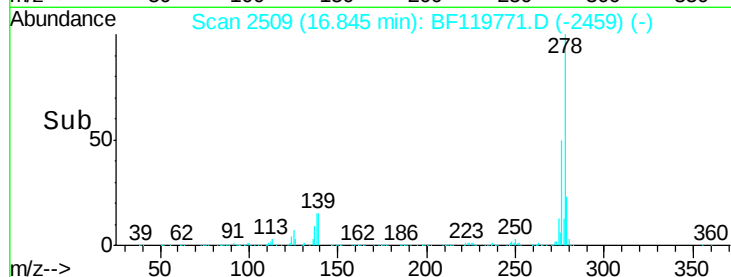
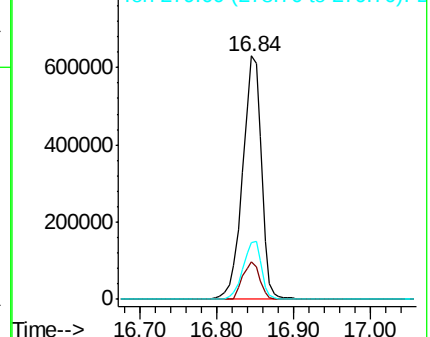
279 23.3 19.0 28.6

Manual Integrations
APPROVED

mohammad
4/8/2020 8:12:26 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 47.576 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BF119771.D

Acq: 6 Apr 2020 14:58

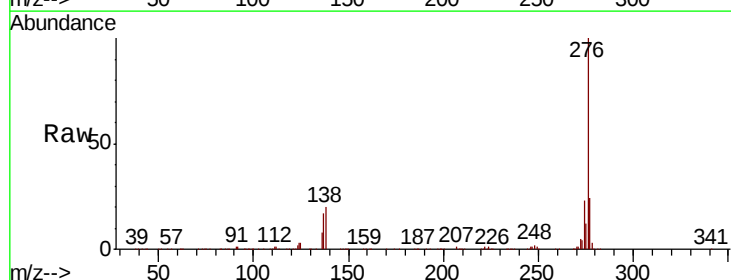
Tgt Ion:276 Resp: 1127934

Ion Ratio Lower Upper

276 100

277 23.8 18.4 27.6

138 19.9 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

