

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032620\
 Data File : BF119546.D
 Acq On : 26 Mar 2020 22:53
 Operator : CG/JU
 Sample : L1753-16MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Manual Integrations
 APPROVED

mohammad
 3/30/2020 8:50:48 AM

Quant Time: Mar 27 02:33:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 26 16:30:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	292659	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1141308	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	598146	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1151704	20.00	ng	0.00
76) Chrysene-d12	14.02	240	818871	20.00	ng	0.00
87) Perylene-d12	15.48	264	753483	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	2310836	125.70	ng	0.02
7) Phenol-d6	6.46	99	2588679	110.23	ng	0.00
23) Nitrobenzene-d5	7.40	82	2025711	96.46	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	970748	157.31	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3811127	94.39	ng	0.00
79) Terphenyl-d14	12.96	244	4158726	99.50	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	344366	37.927	ng	# 83
3) Pyridine	3.52	79	821228	32.830	ng	97
4) n-Nitrosodimethylamine	3.43	42	514046	42.140	ng	97
6) Aniline	6.50	93	341518	10.537	ng	98
8) 2-Chlorophenol	6.62	128	995879	51.577	ng	98
9) Benzaldehyde	6.38	77	596705	40.053	ng	98
10) Phenol	6.47	94	1012037	40.387	ng	98
11) bis(2-Chloroethyl)ether	6.57	93	1010924	50.441	ng	98
12) 1,3-Dichlorobenzene	6.77	146	944901	45.215	ng	99
13) 1,4-Dichlorobenzene	6.85	146	961303	45.989	ng	98
14) 1,2-Dichlorobenzene	7.00	146	901921	46.162	ng	99
15) Benzyl Alcohol	6.97	79	852703	48.269	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.11	45	1806895	44.697	ng	97
17) 2-Methylphenol	7.09	107	806112	45.566	ng	97
18) Hexachloroethane	7.35	117	358292	46.773	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	717335	50.676	ng	96
20) 3+4-Methylphenols	7.24	107	947696m	43.711	ng	
22) Acetophenone	7.25	105	1363513	49.998	ng	# 89
24) Nitrobenzene	7.42	77	1080140	48.129	ng	99
25) Isophorone	7.66	82	2020207	47.424	ng	98
26) 2-Nitrophenol	7.73	139	529194	59.887	ng	97
27) 2,4-Dimethylphenol	7.77	122	924882	50.618	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	1276407	50.671	ng	100
29) 2,4-Dichlorophenol	7.97	162	856241	51.001	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	883251	47.572	ng	98
31) Naphthalene	8.15	128	2835593	48.279	ng	99
32) Benzoic acid	7.90	122	604590	51.440	ng	97
33) 4-Chloroaniline	8.19	127	135345	5.029	ng	96
34) Hexachlorobutadiene	8.26	225	489030	47.076	ng	99
35) Caprolactam	8.57	113	219398m	39.930	ng	
36) 4-Chloro-3-methylphenol	8.67	107	949691	51.756	ng	98
37) 2-Methylnaphthalene	8.84	142	1983352	51.454	ng	100
38) 1-Methylnaphthalene	8.94	142	1888589	51.764	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	849716	48.466	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032620\
 Data File : BF119546.D
 Acq On : 26 Mar 2020 22:53
 Operator : CG/JU
 Sample : L1753-16MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 CL-02-032520MS

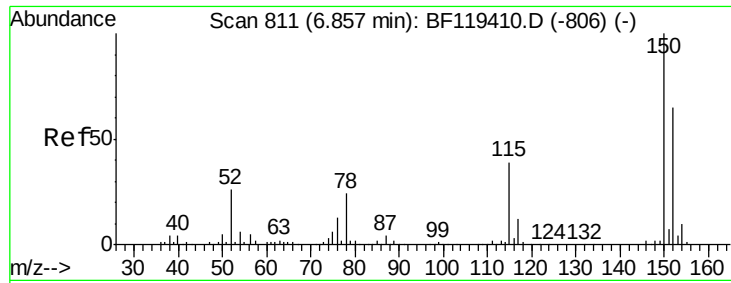
Manual Integrations
 APPROVED

mohammad
 3/30/2020 8:50:48 AM

Quant Time: Mar 27 02:33:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 26 16:30:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	936472	93.955	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	715033	56.991	nq	99
44) 2,4,5-Trichlorophenol	9.16	196	631651	44.942	nq	99
46) 1,1'-Biphenyl	9.30	154	2377848	48.810	nq	100
47) 2-Chloronaphthalene	9.33	162	1842728	48.290	nq	99
48) 2-Nitroaniline	9.42	65	681349	51.730	nq	98
49) Acenaphthylene	9.75	152	2914400	48.634	nq	99
50) Dimethylphthalate	9.61	163	1993670	46.925	nq	98
51) 2,6-Dinitrotoluene	9.67	165	468797	51.478	nq	94
52) Acenaphthene	9.92	154	1815442	48.596	nq	100
53) 3-Nitroaniline	9.83	138	159242	13.851	nq	98
54) 2,4-Dinitrophenol	9.95	184	533459	130.343	nq	95
55) Dibenzofuran	10.09	168	2637348	49.239	nq	97
56) 4-Nitrophenol	10.00	139	773114	85.241	nq	91
57) 2,4-Dinitrotoluene	10.07	165	625068	54.486	nq	# 86
58) Fluorene	10.43	166	2051596	51.797	nq	97
59) 2,3,4,6-Tetrachlorophenol	10.21	232	551907	52.534	nq	98
60) Diethylphthalate	10.32	149	2271816	52.684	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	979641	50.578	nq	99
62) 4-Nitroaniline	10.46	138	489597	44.408	nq	99
63) Azobenzene	10.59	77	2144097	49.376	nq	98
65) 4,6-Dinitro-2-methylphenol	10.48	198	346765	71.803	nq	88
66) n-Nitrosodiphenylamine	10.55	169	1889540	49.976	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	650065	49.561	nq	99
68) Hexachlorobenzene	10.98	284	708585	52.783	nq	98
69) Atrazine	11.07	200	588966	56.821	nq	100
70) Pentachlorophenol	11.17	266	813059	103.292	nq	98
71) Phenanthrene	11.40	178	2956573	49.508	nq	98
72) Anthracene	11.45	178	2995272	49.350	nq	99
73) Carbazole	11.60	167	2836173	47.210	nq	97
74) Di-n-butylphthalate	11.94	149	3428680	53.352	nq	99
75) Fluoranthene	12.59	202	3202359	49.549	nq	98
77) Benzdine	12.70	184	476719	13.756	nq	97
78) Pyrene	12.82	202	3245822	48.298	nq	99
80) Butylbenzylphthalate	13.44	149	1497468	55.092	nq	99
81) Benzo(a)anthracene	14.01	228	2527594	47.467	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	331005	15.765	nq	96
83) Chrysene	14.04	228	2632028	47.893	nq	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	1883987	58.144	nq	100
85) Di-n-octyl phthalate	14.62	149	3357074	58.911	nq	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	2360564	45.608	nq	98
88) Benzo(b)fluoranthene	15.06	252	2558995	50.842	nq	99
89) Benzo(k)fluoranthene	15.09	252	2461735	51.364	nq	99
90) Benzo(a)pyrene	15.43	252	2213747	48.397	nq	98
91) Dibenzo(a,h)anthracene	16.97	278	1950279	48.747	nq	98
92) Benzo(g,h,i)perylene	17.40	276	1953344	48.598	nq	97

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



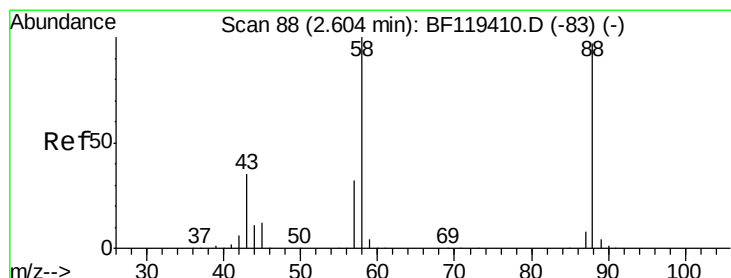
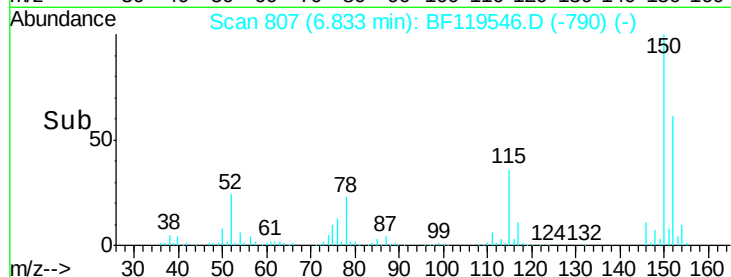
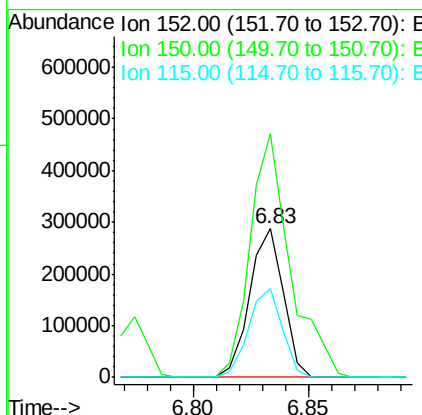
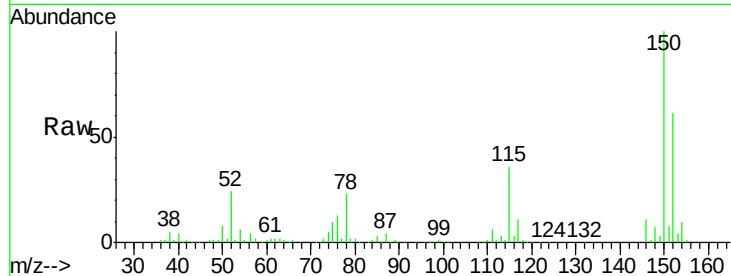
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.0	123.9	185.9
115	59.7	47.8	71.6

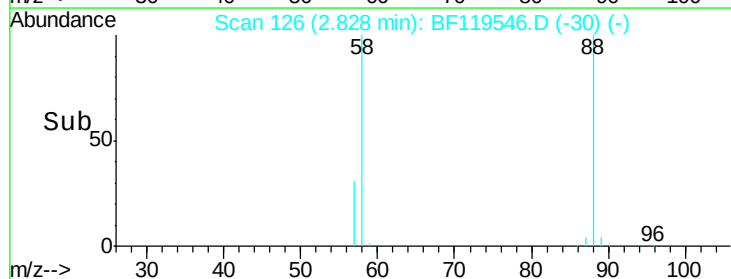
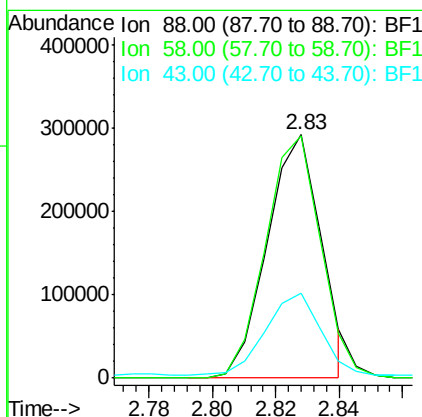
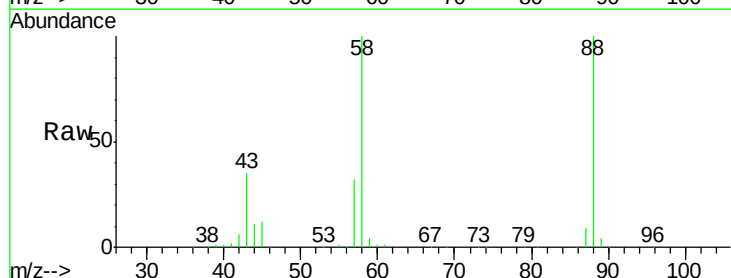
Manual Integrations
 APPROVED

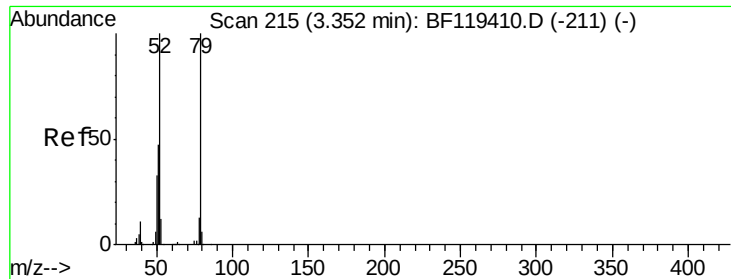
mohammad
 3/30/2020 8:50:48 AM



#2
 1,4-Dioxane
 Concen: 37.927 ng
 RT: 2.83 min Scan# 126
 Delta R.T. 0.26 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.7	79.4	119.2
43	0.0	28.4	42.6#





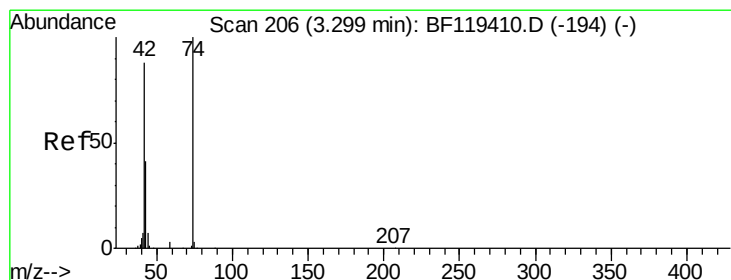
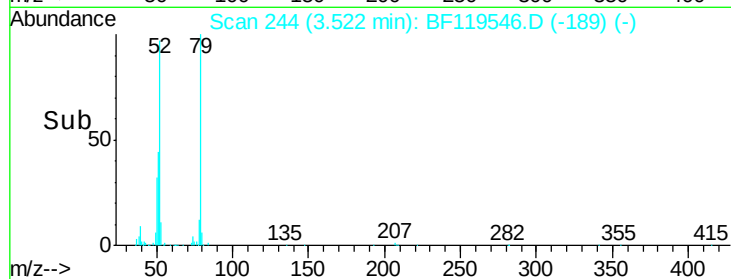
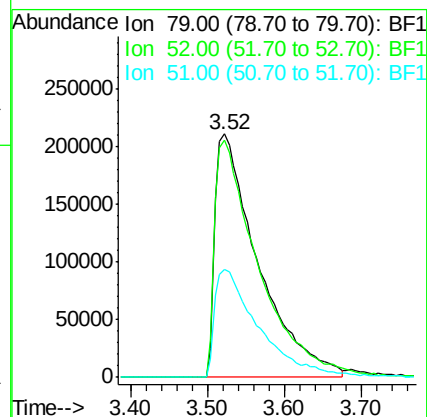
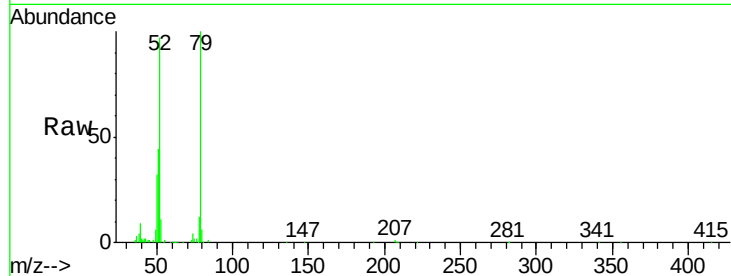
#3
 Pvridine
 Concen: 32.830 ng
 RT: 3.52 min Scan# 244
 Delta R.T. 0.22 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
79	100		
52	97.3	80.0	120.0
51	44.4	37.9	56.9

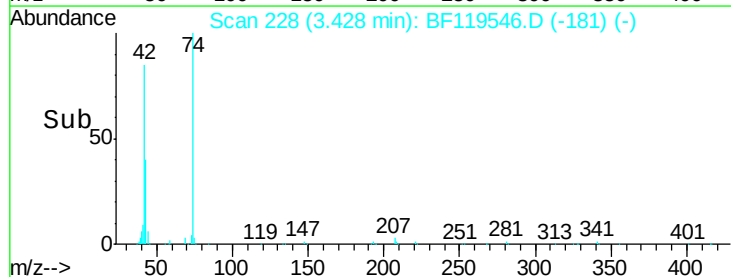
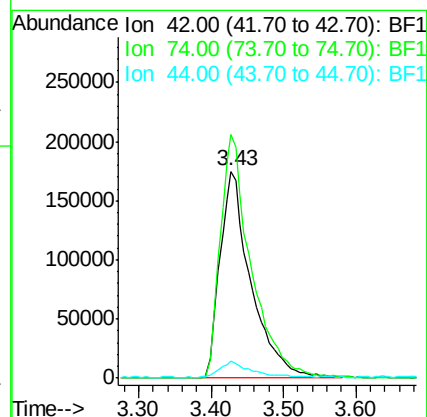
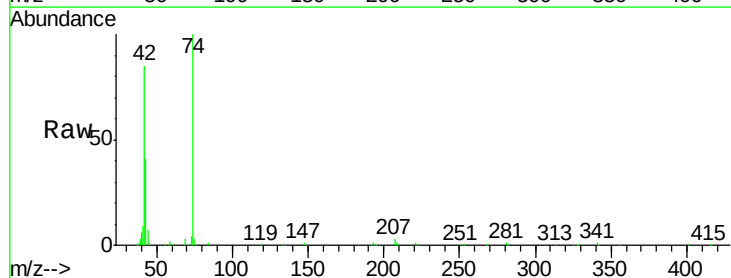
Manual Integrations
 APPROVED

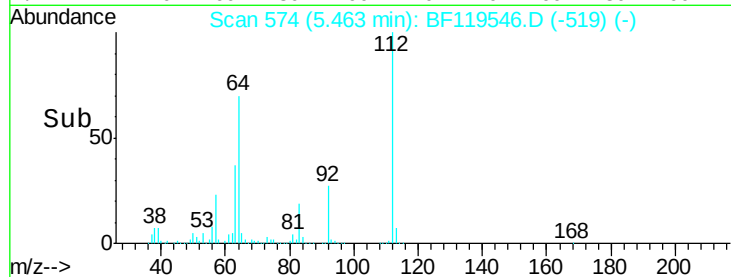
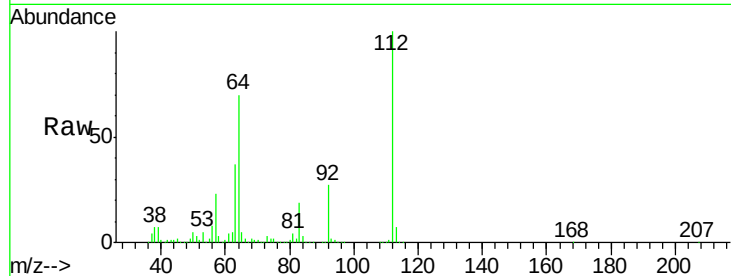
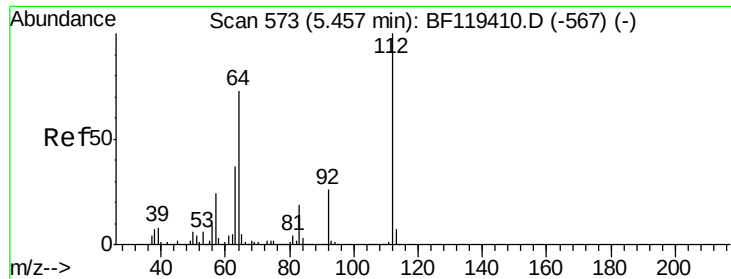
mohammad
 3/30/2020 8:50:48 AM



#4
 n-Nitrosodimethylamine
 Concen: 42.140 ng
 RT: 3.43 min Scan# 228
 Delta R.T. 0.18 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
42	100		
74	117.8	91.3	136.9
44	8.0	7.1	10.7





#5

2-Fluorophenol

Concen: 125.697 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.02 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tot Ion:	112	Resp:	2310836
Ion	Ratio	Lower	Upper
112	100		
64	70.0	58.1	87.1
63	36.6	29.7	44.5

Instrument :

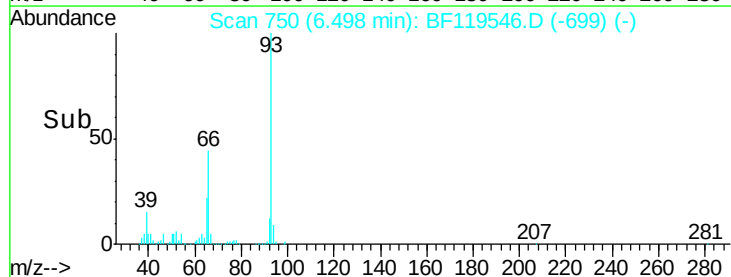
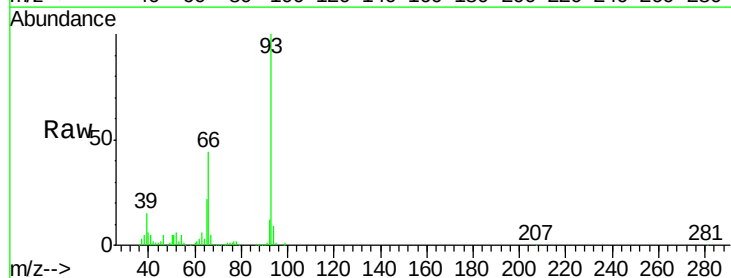
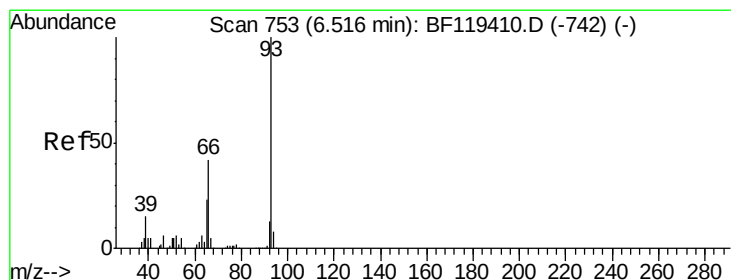
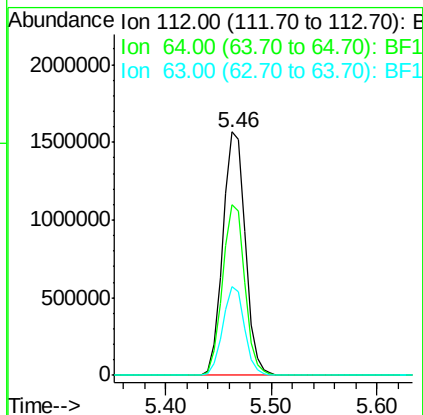
BNA_F

ClientSampleId :

CL-02-032520MS

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#6

Aniline

Concen: 10.537 ng

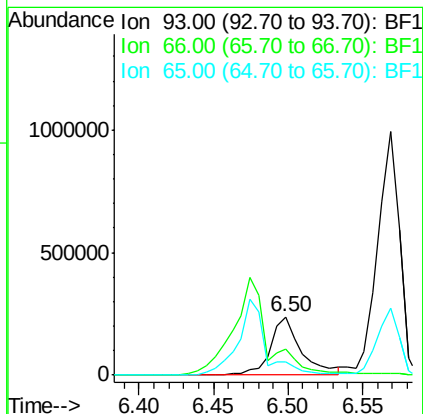
RT: 6.50 min Scan# 750

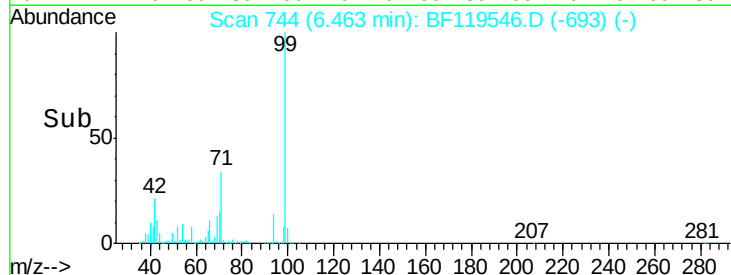
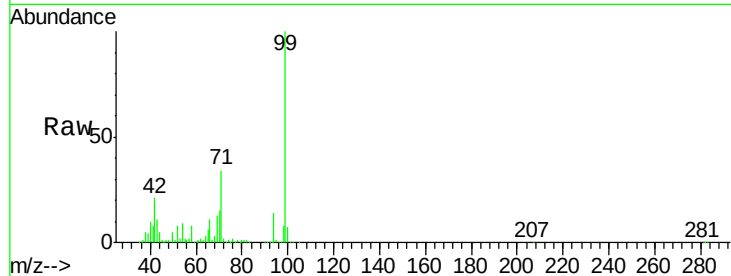
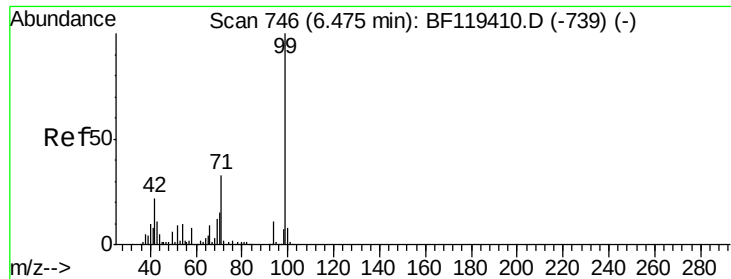
Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion:	93	Resp:	341518
Ion	Ratio	Lower	Upper
93	100		
66	44.0	34.2	51.4
65	22.3	18.2	27.4





#7

Phenol-d6

Concen: 110.229 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tot Ion: 99 Resp: 2588679

Ion Ratio Lower Upper

99 100

42 21.2 17.8 26.6

71 34.0 26.0 39.0

Instrument :

BNA_F

ClientSampleId :

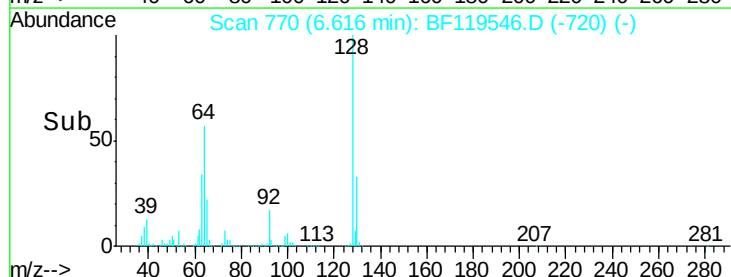
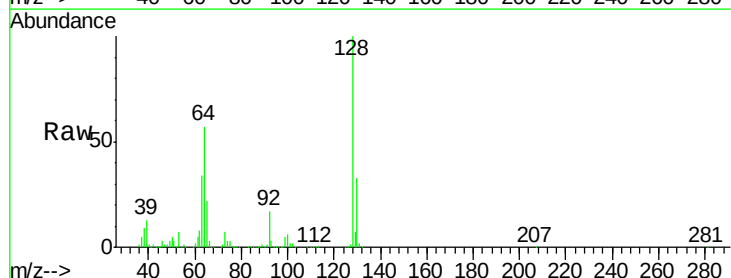
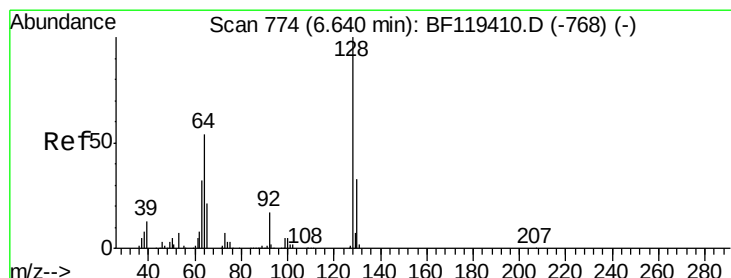
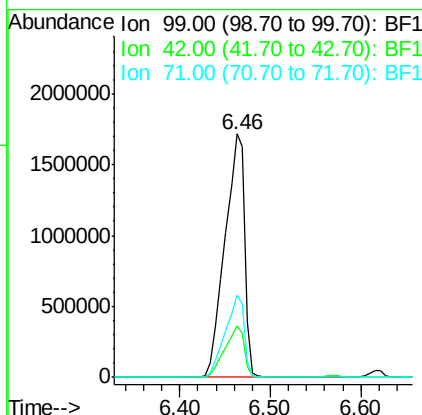
CL-02-032520MS

Manual Integrations

APPROVED

mohammad

3/30/2020 8:50:48 AM



#8

2-Chlorophenol

Concen: 51.577 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

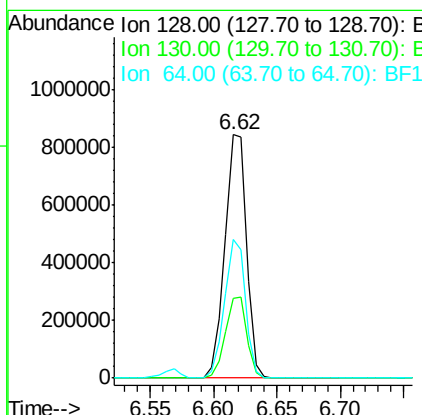
Tgt Ion: 128 Resp: 995879

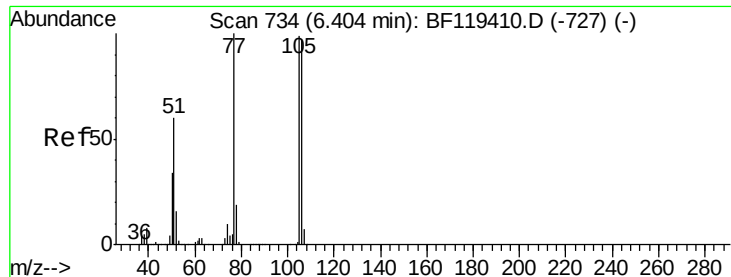
Ion Ratio Lower Upper

128 100

130 32.5 13.0 53.0

64 56.8 35.1 75.1





#9

Benzaldehyde

Concen: 40.053 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

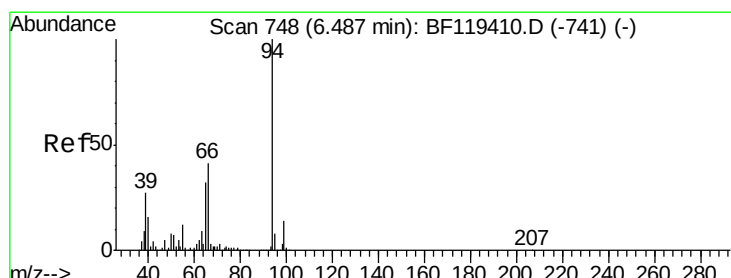
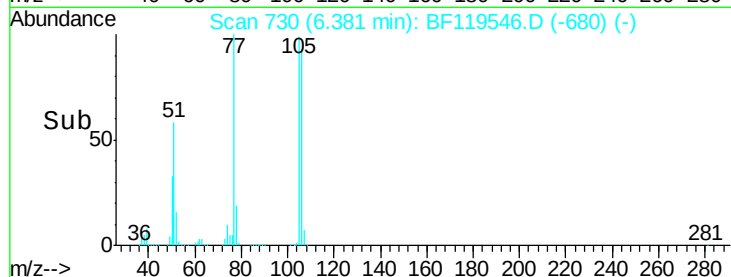
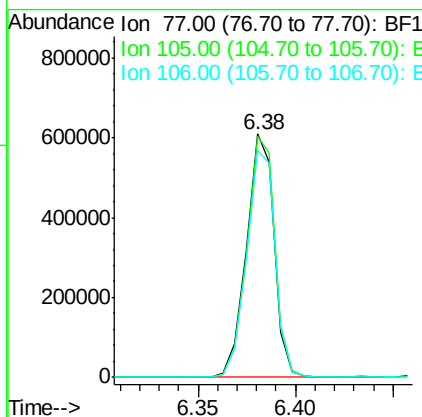
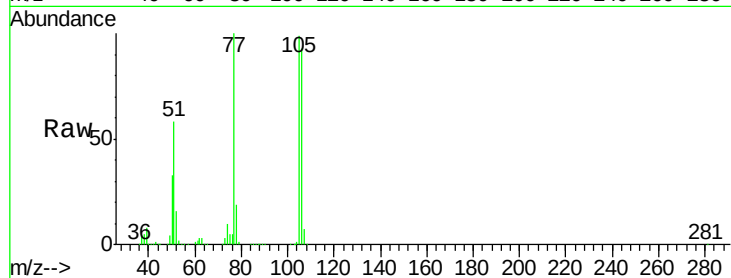
ClientSampleId :

CL-02-032520MS

Tot Ion:	77	Resp:	596705
Ion	Ratio	Lower	Upper
77	100		
105	98.9	78.6	118.6
106	93.1	76.5	116.5

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#10

Phenol

Concen: 40.387 ng

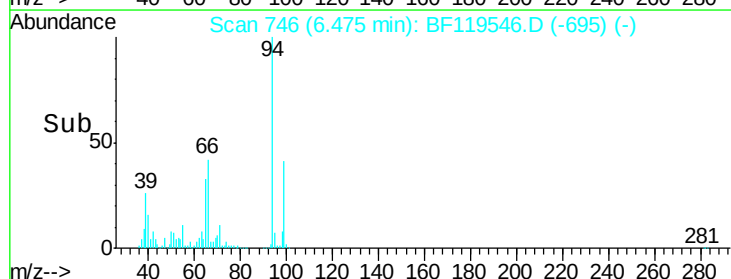
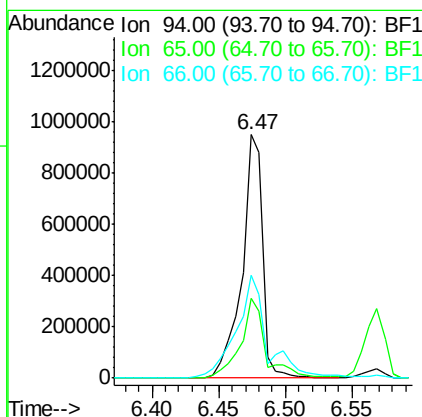
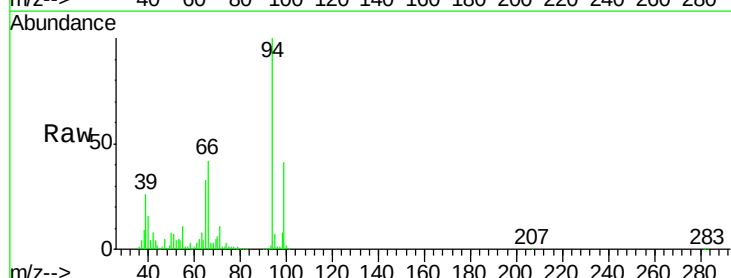
RT: 6.47 min Scan# 746

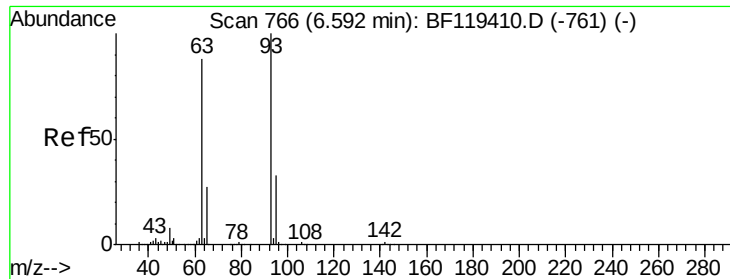
Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion:	94	Resp:	1012037
Ion	Ratio	Lower	Upper
94	100		
65	32.8	12.0	52.0
66	42.3	20.6	60.6





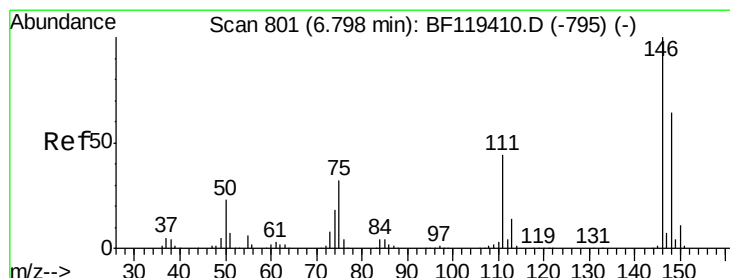
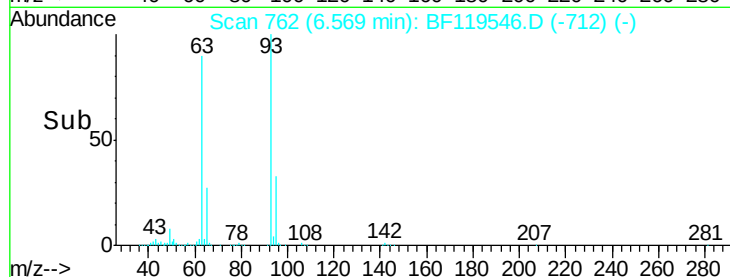
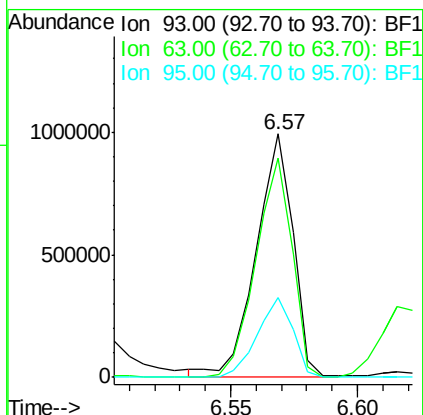
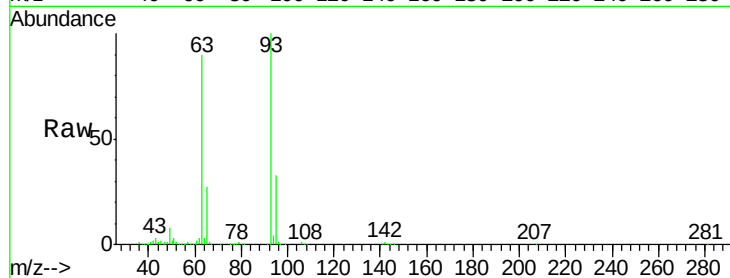
#11
bis(2-Chloroethyl)ether
Concen: 50.441 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampled :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	90.0	68.4	108.4
95	32.7	13.4	53.4

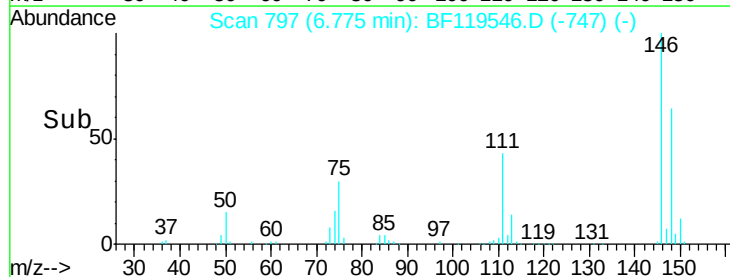
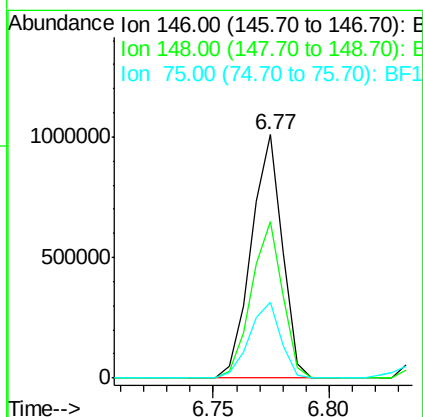
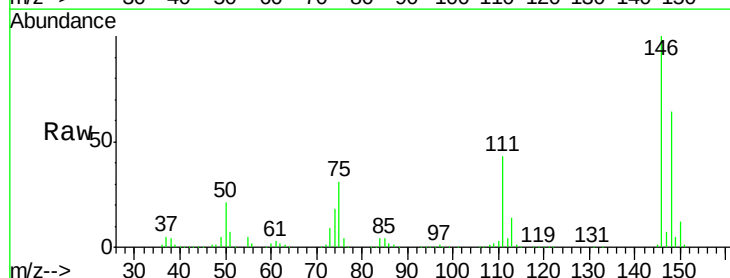
Manual Integrations
APPROVED

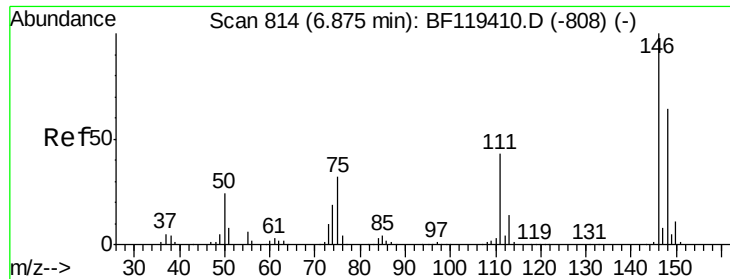
mohammad
3/30/2020 8:50:48 AM



#12
1,3-Dichlorobenzene
Concen: 45.215 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.0
75	31.0	25.8	38.8





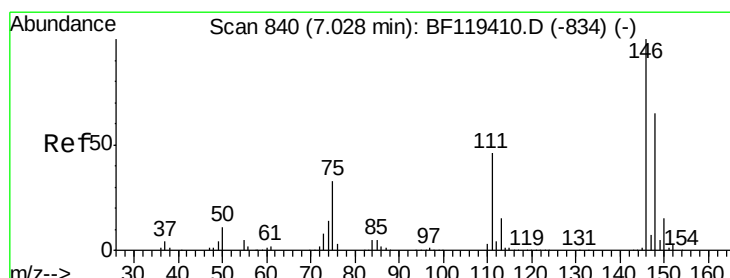
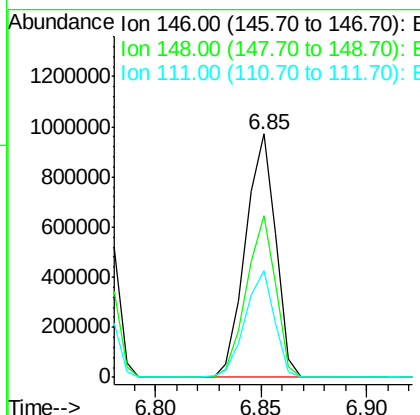
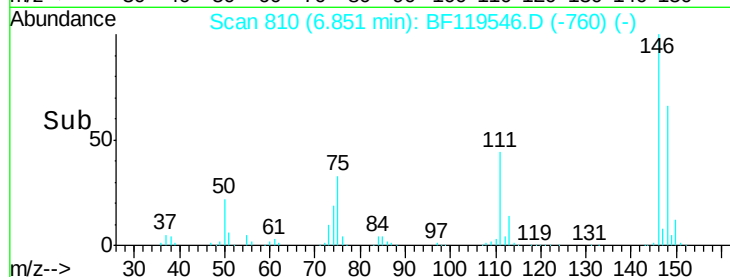
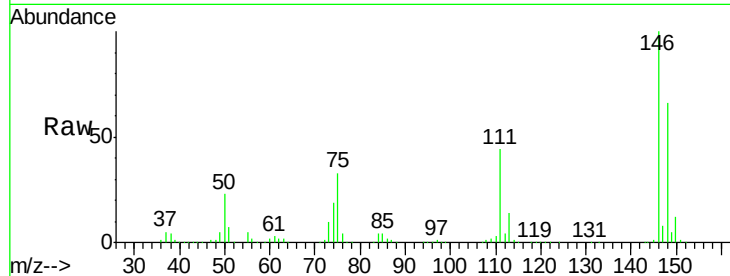
#13
 1,4-Dichlorobenzene
 Concen: 45.989 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.2	50.9	76.3
111	43.7	34.6	52.0

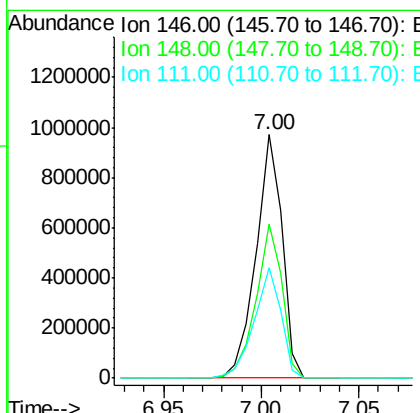
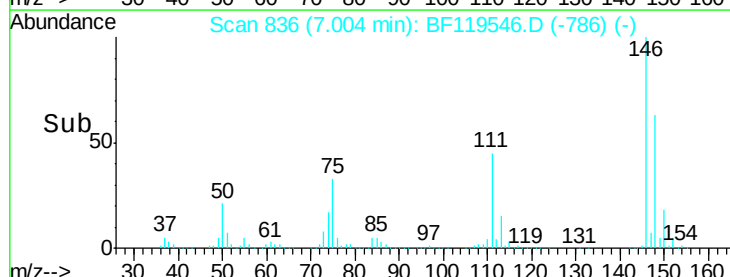
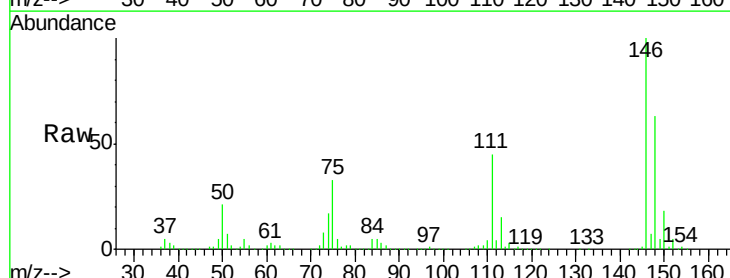
Manual Integrations
 APPROVED

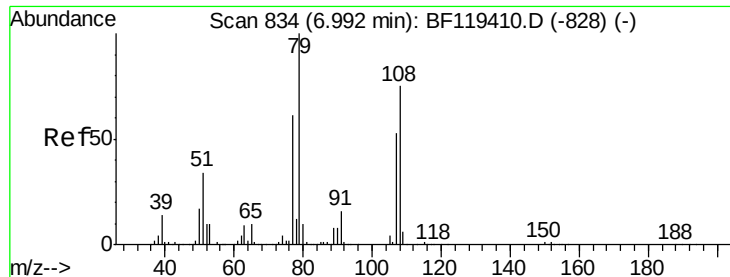
mohammad
 3/30/2020 8:50:48 AM



#14
 1,2-Dichlorobenzene
 Concen: 46.162 ng
 RT: 7.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.7	77.5
111	45.5	36.4	54.6





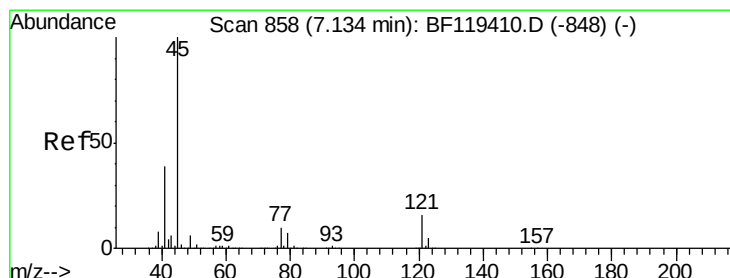
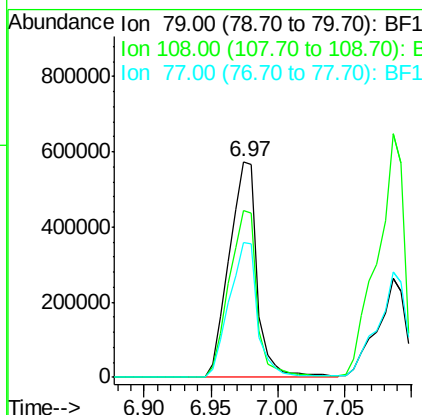
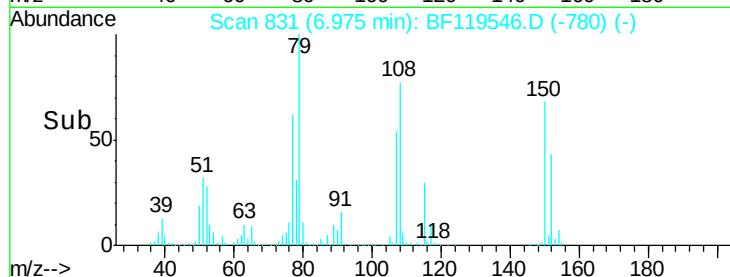
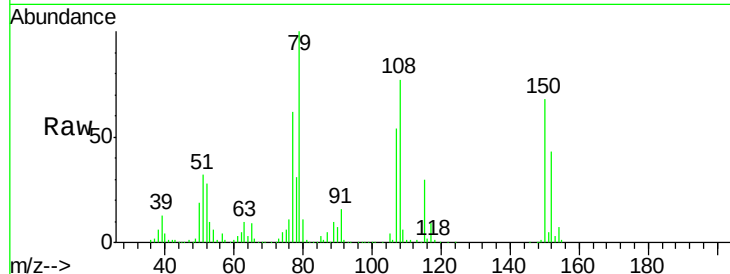
#15
Benzyl Alcohol
Concen: 48.269 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.1	60.4	90.6
77	62.4	49.0	73.4

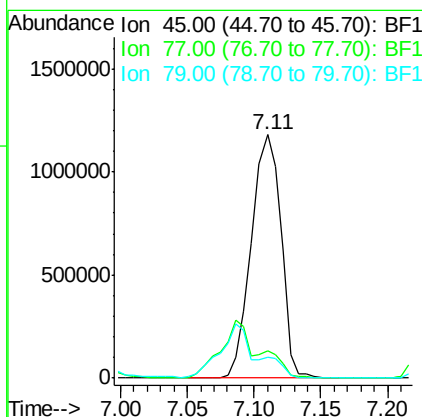
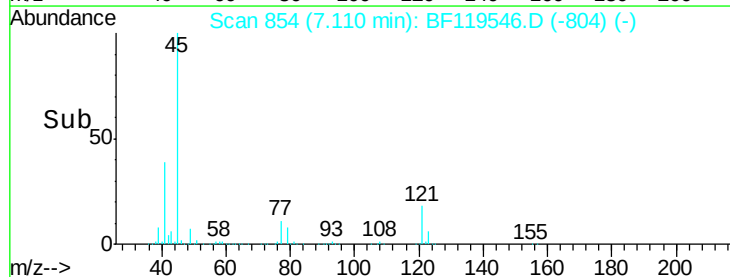
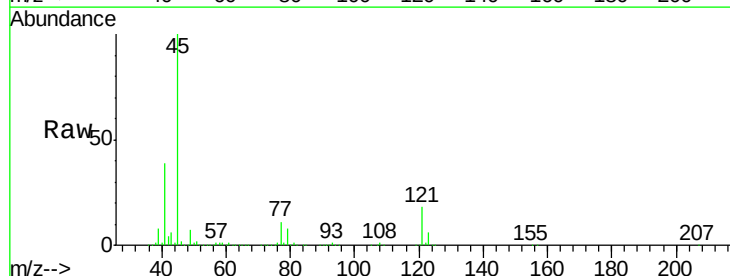
Manual Integrations
APPROVED

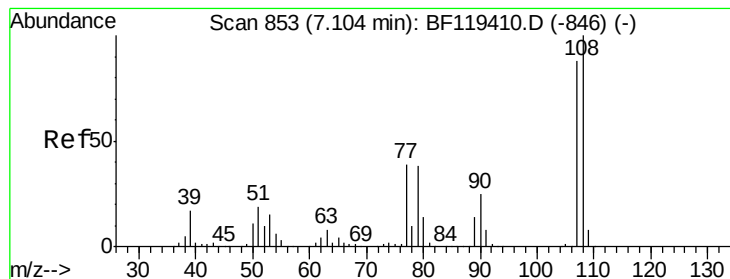
mohammad
3/30/2020 8:50:48 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.697 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	30.1
79	8.4	0.0	27.4





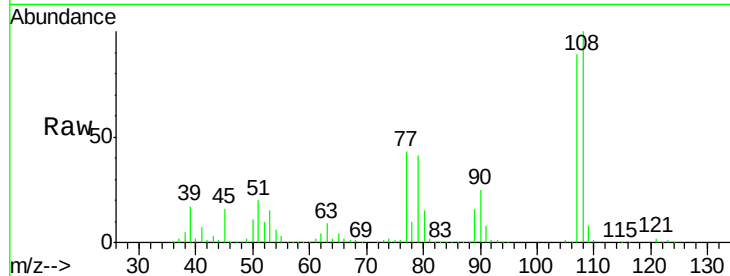
#17
2-Methylphenol
Concen: 45.566 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

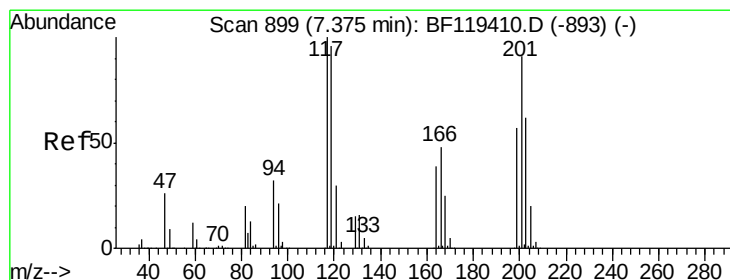
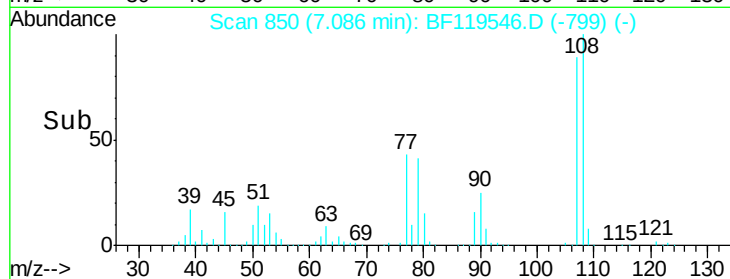
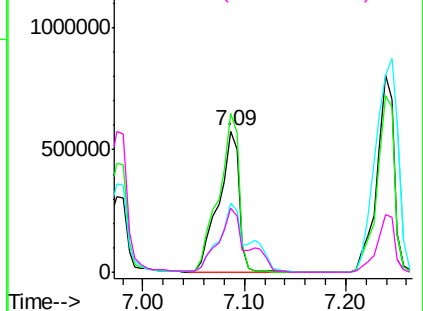
Tot Ion	Ratio	Resp	Lower	Upper
107	100	806112		
108	112.1	90.7	136.1	
77	48.5	35.6	53.4	
79	45.6	34.7	52.1	

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM

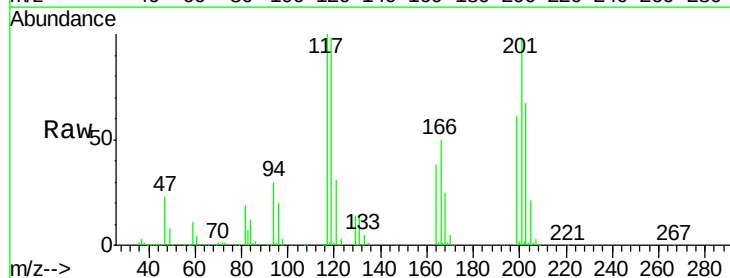


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

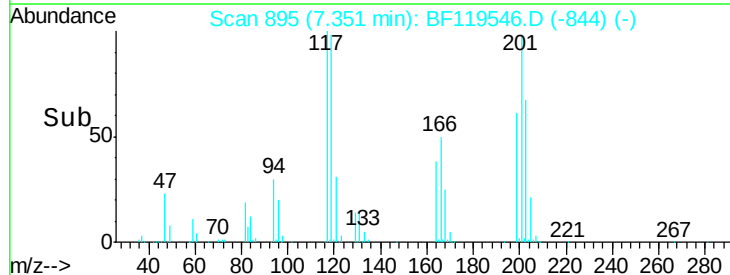
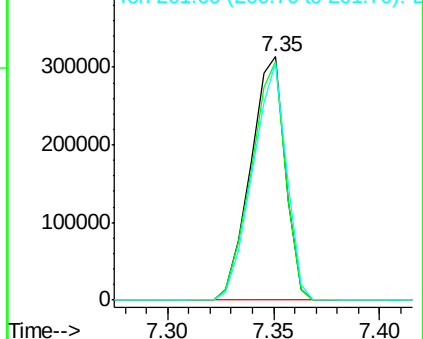


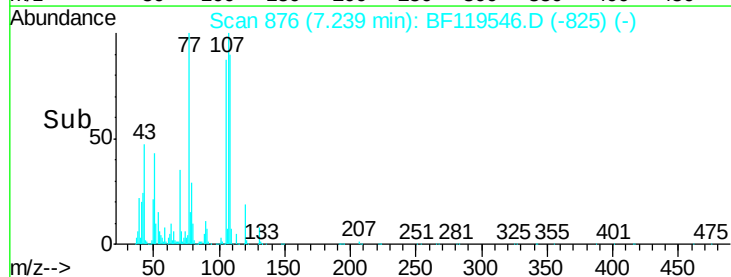
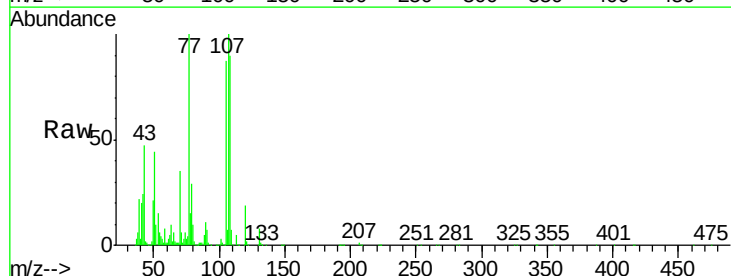
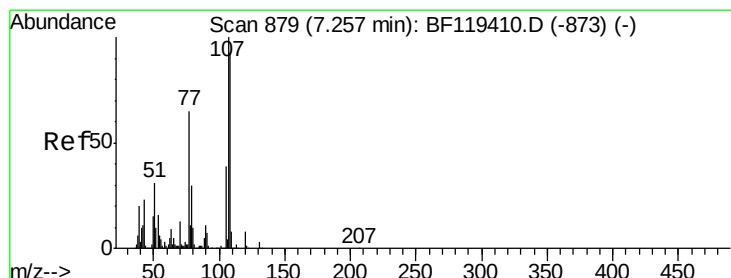
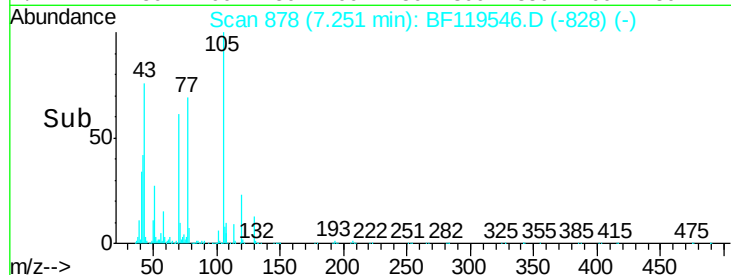
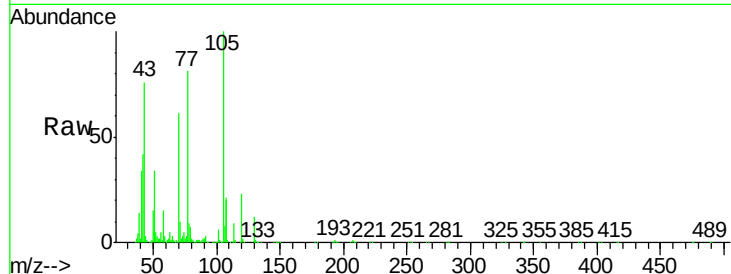
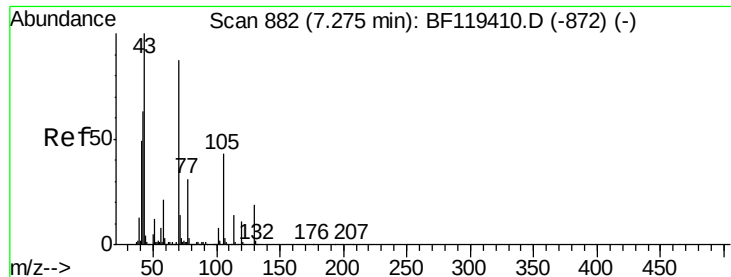
#18
Hexachloroethane
Concen: 46.773 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	358292		
119	97.9	76.8	115.2	
201	97.5	72.5	108.7	



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 50.676 ng

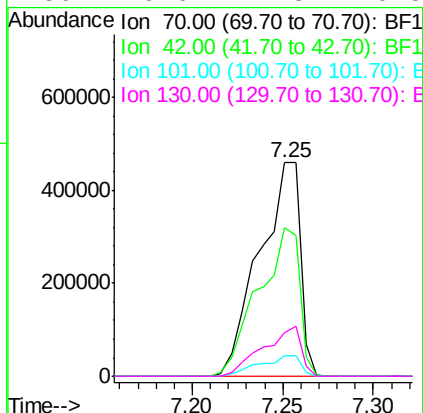
RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tot Ion	Ratio	Lower	Upper
70	100		
42	69.2	58.2	87.4
101	9.4	7.4	11.2
130	20.6	17.8	26.8



Instrument :

BNA_F

ClientSampleId :

CL-02-032520MS

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM

#20

3+4-Methylphenols

Concen: 43.711 ng m

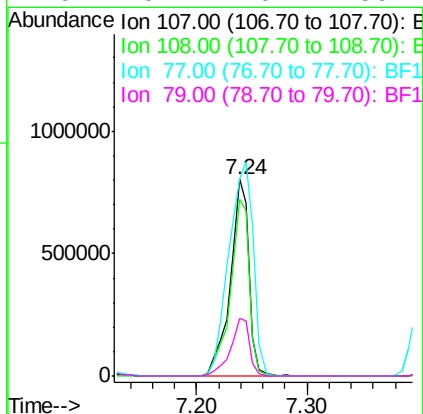
RT: 7.24 min Scan# 876

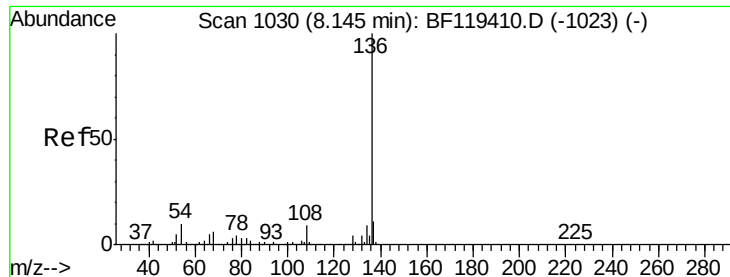
Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.1	72.6	112.6
77	100.3	44.7	84.7#
79	29.2	10.2	50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

ClientSampleId :

CL-02-032520MS

Tot Ion:136 Resp: 1141308

Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 10.3 8.3 12.5

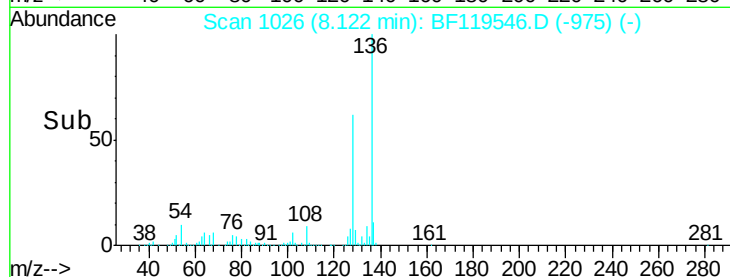
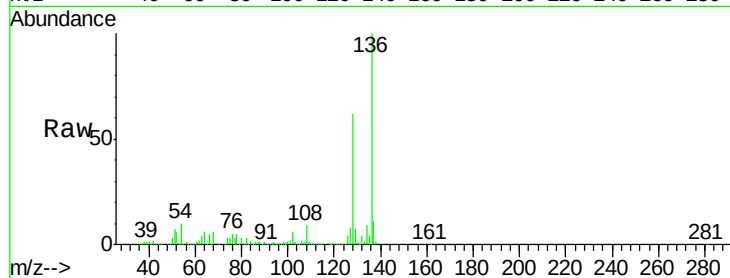
68 5.6 4.9 7.3

Manual Integrations

APPROVED

mohammad

3/30/2020 8:50:48 AM

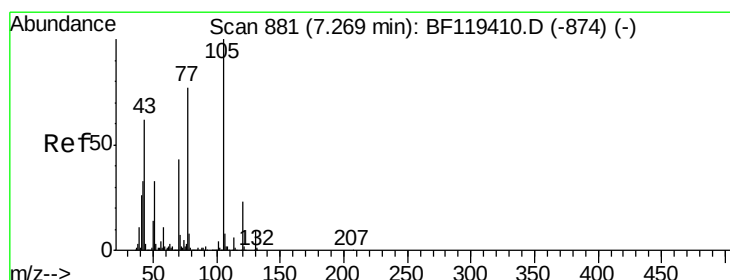
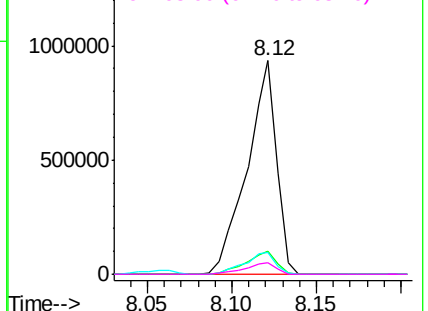


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 49.998 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion:105 Resp: 1363513

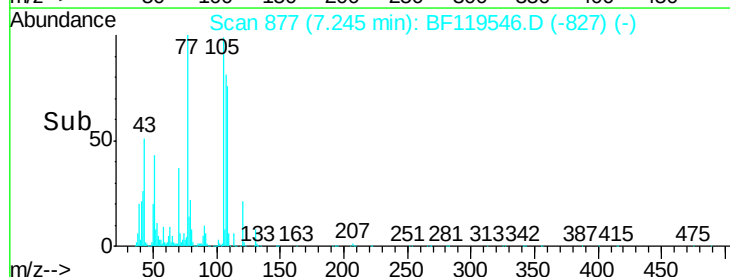
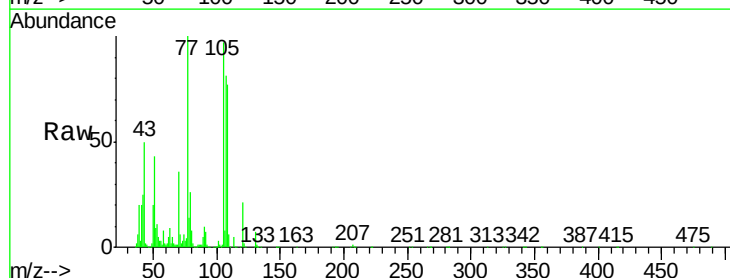
Ion Ratio Lower Upper

105 100

71 6.2 5.8 8.6

51 44.2 26.8 40.2#

120 21.5 18.0 27.0

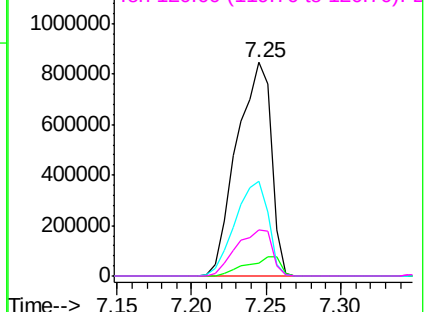


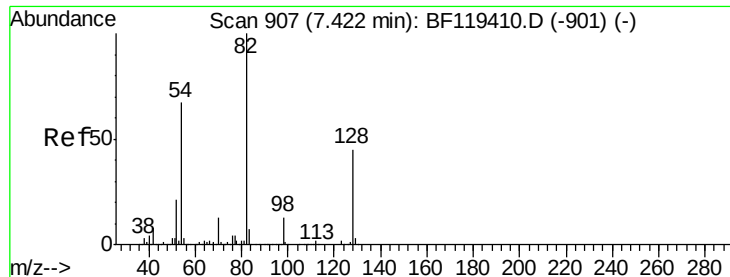
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





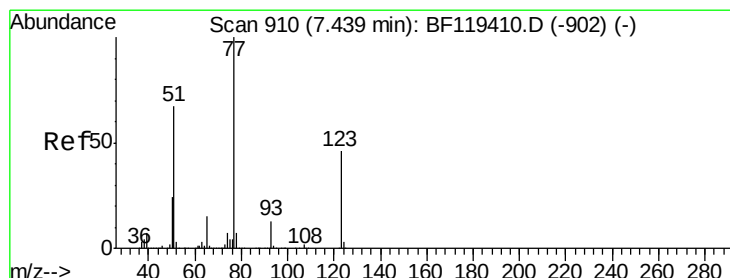
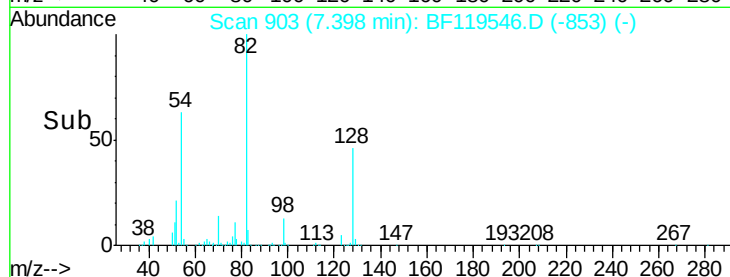
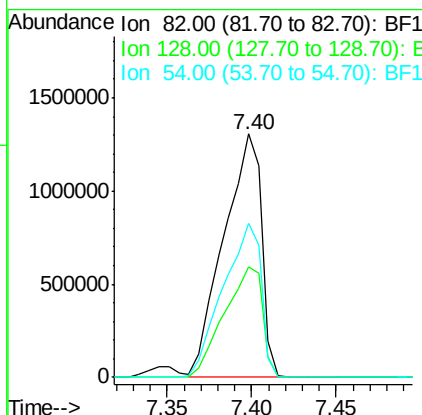
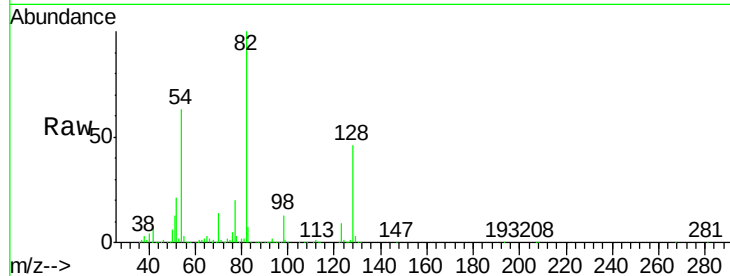
#23
Nitrobenzene-d5
Concen: 96.462 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	82	Resp	2025711
Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.8	53.8
54	63.4	53.4	80.0

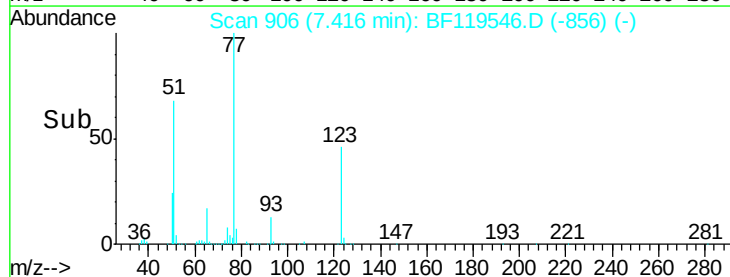
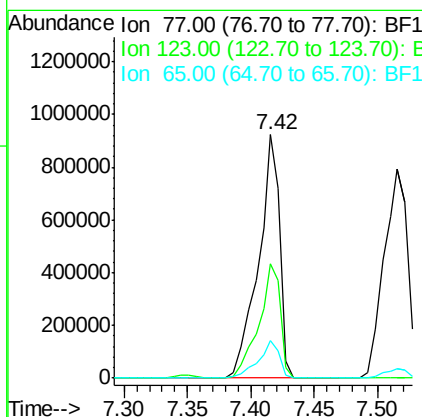
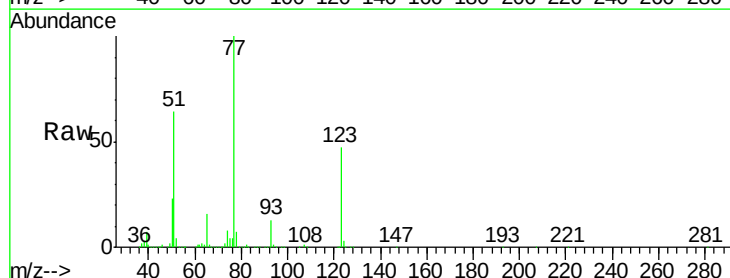
Manual Integrations
APPROVED

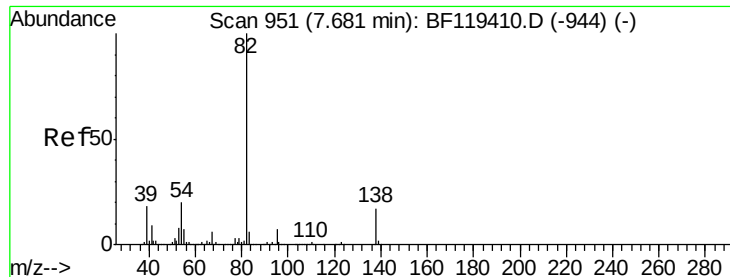
mohammad
3/30/2020 8:50:48 AM



#24
Nitrobenzene
Concen: 48.129 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	77	Resp	1080140
Ion	Ratio	Lower	Upper
77	100		
123	46.8	36.9	55.3
65	15.5	12.2	18.4





#25

Isophorone

Concen: 47.424 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

ClientSampleId :

CL-02-032520MS

Tot Ion: 82 Resp: 2020207

Ion Ratio Lower Upper

82 100

95 7.1 5.4 8.2

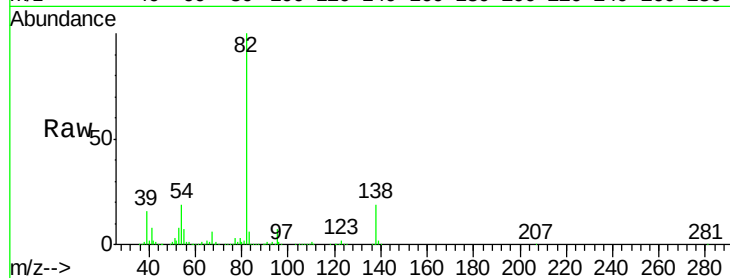
138 18.6 13.8 20.8

Manual Integrations

APPROVED

mohammad

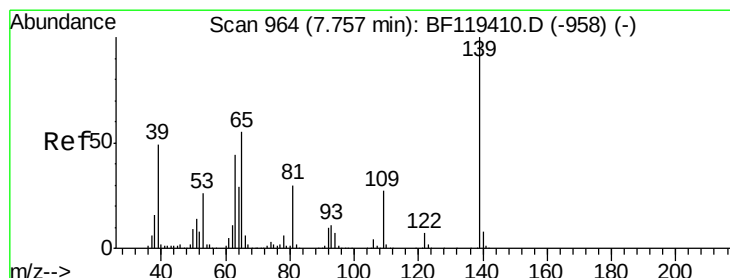
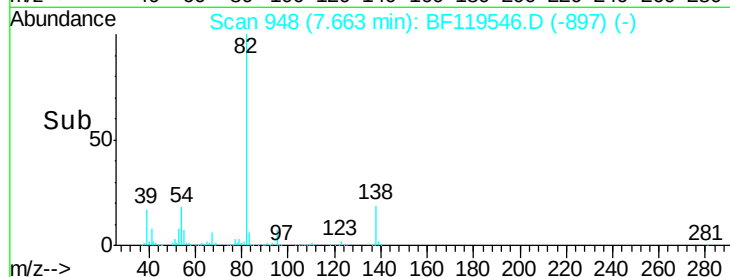
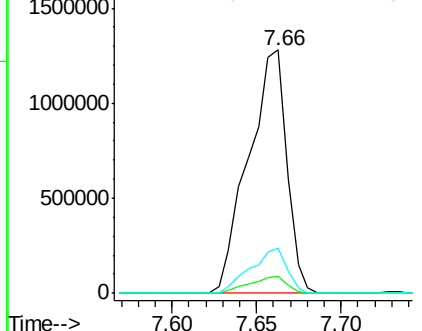
3/30/2020 8:50:48 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 59.887 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

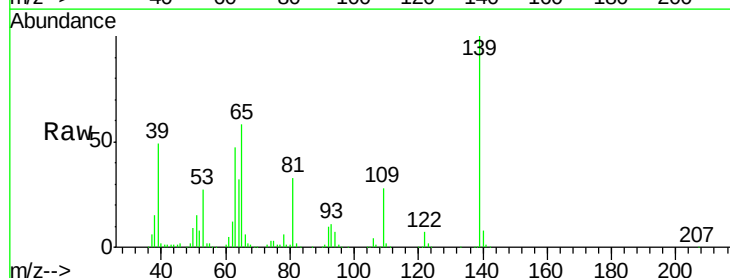
Tgt Ion: 139 Resp: 529194

Ion Ratio Lower Upper

139 100

109 28.0 21.7 32.5

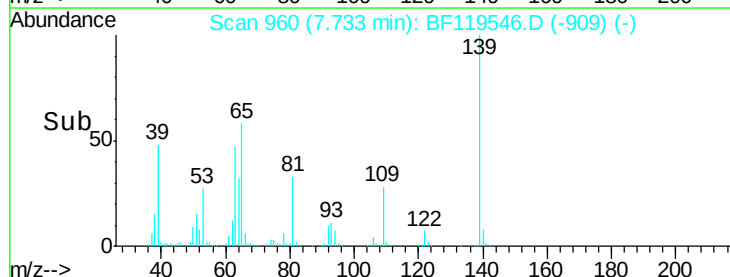
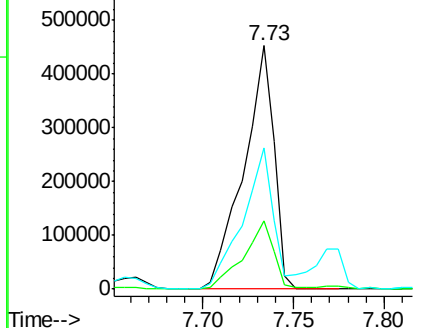
65 58.0 43.9 65.9

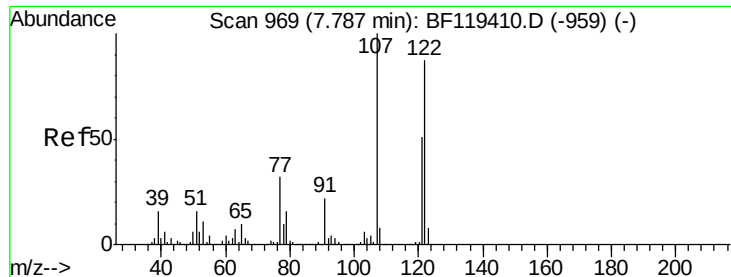


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 50.618 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

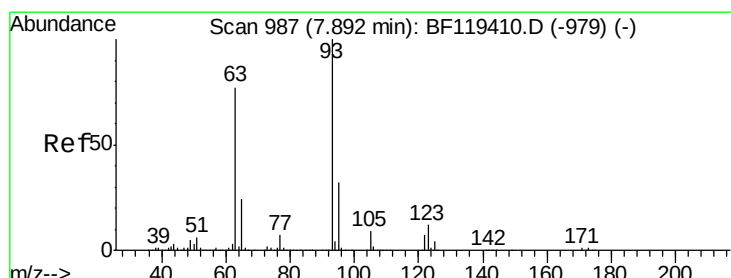
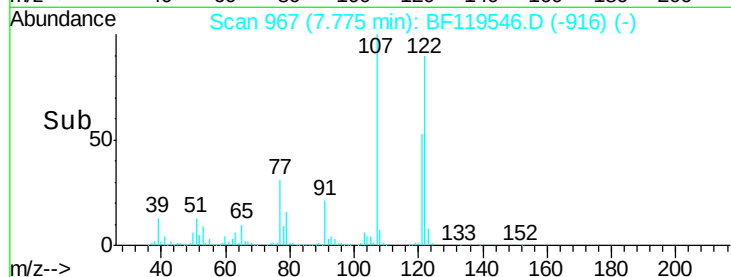
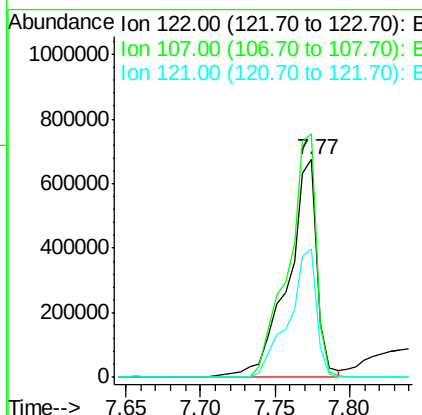
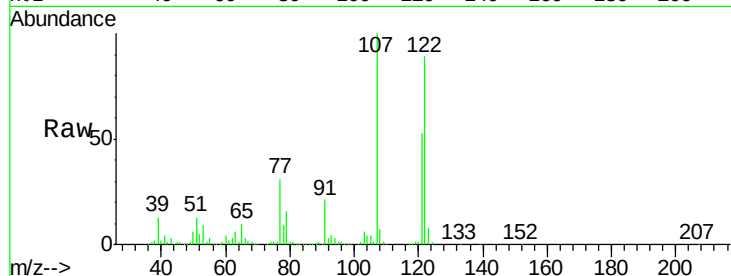
ClientSampleId :

CL-02-032520MS

Tot Ion:	122	Resp:	924882
Ion Ratio	Lower	Upper	
122	100		
107	111.8	91.8	137.6
121	59.2	46.5	69.7

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#28

bis(2-Chloroethoxy)methane

Concen: 50.671 ng

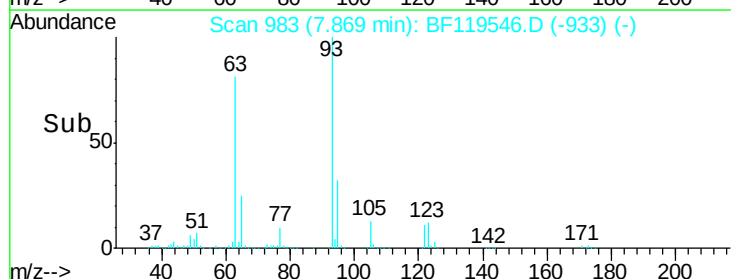
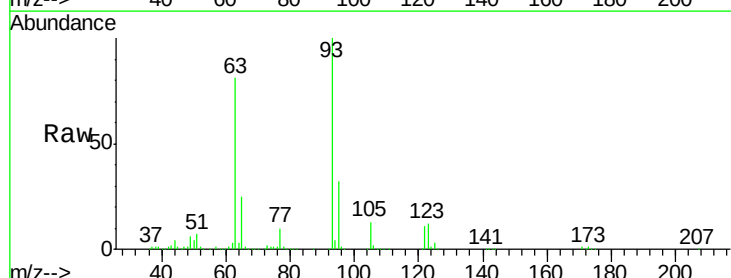
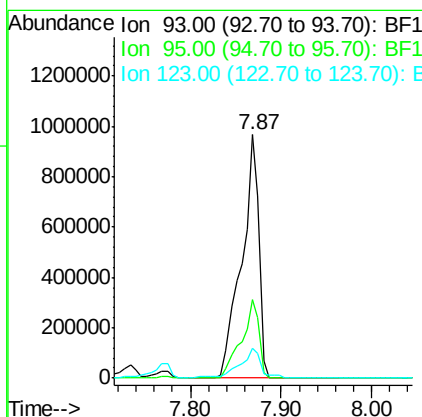
RT: 7.87 min Scan# 983

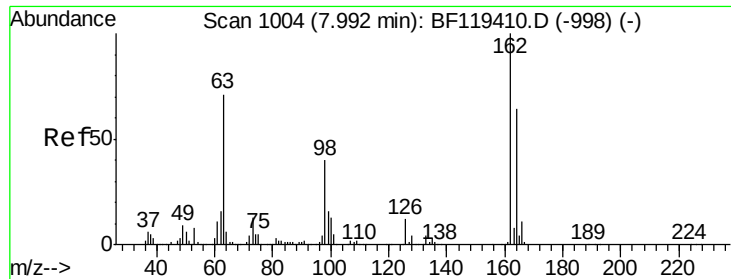
Delta R.T. -0.01 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion:	93	Resp:	1276407
Ion Ratio	Lower	Upper	
93	100		
95	32.4	26.0	39.0
123	12.1	9.7	14.5





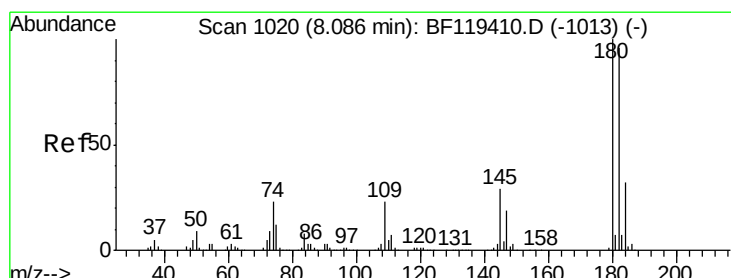
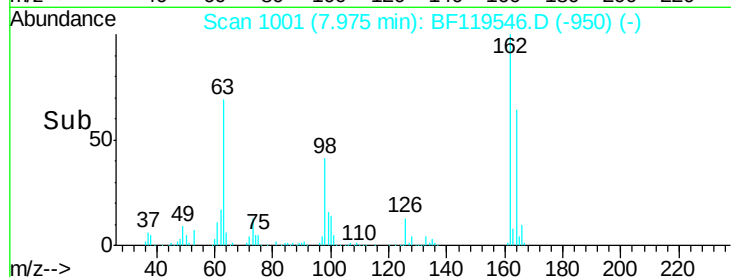
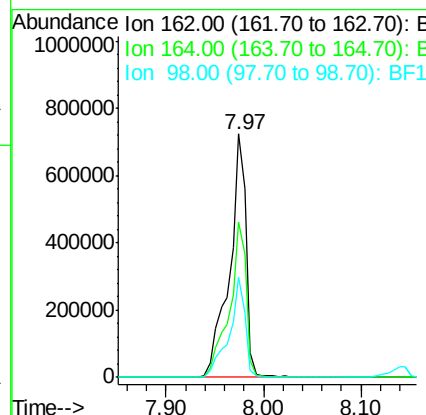
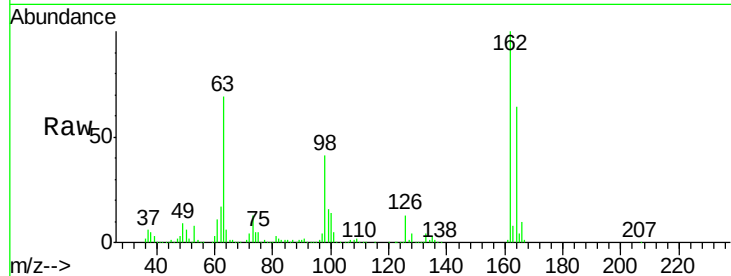
#29
2,4-Dichlorophenol
Concen: 51.001 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion:	162	Resp:	856241
Ion Ratio	Lower	Upper	
162	100		
164	63.9	43.6	83.6
98	41.0	20.4	60.4

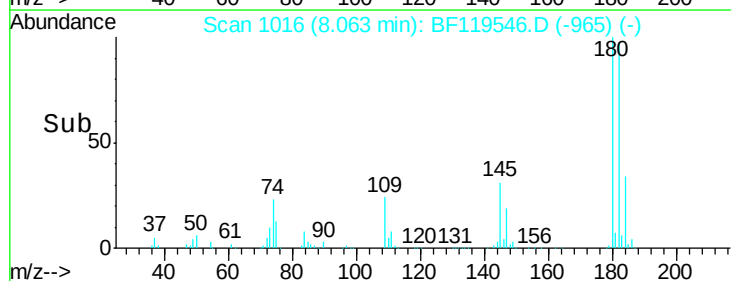
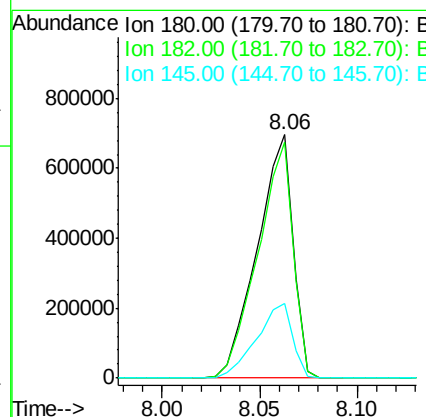
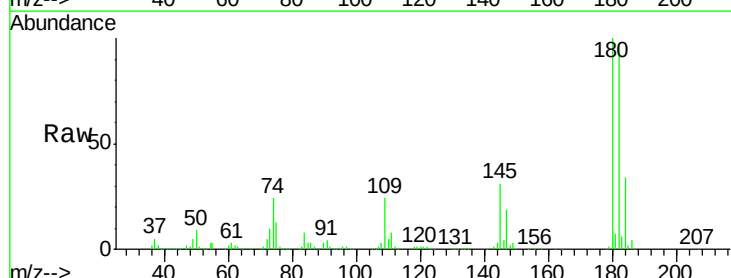
Manual Integrations
APPROVED

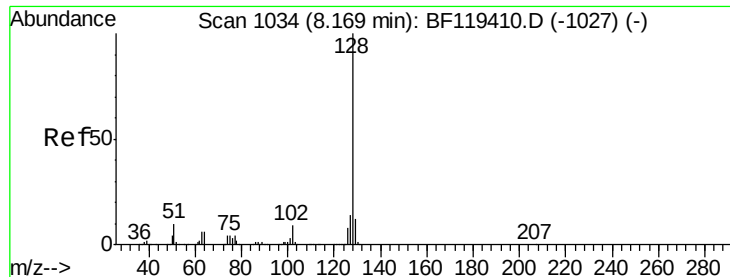
mohammad
3/30/2020 8:50:48 AM



#30
1,2,4-Trichlorobenzene
Concen: 47.572 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion:	180	Resp:	883251
Ion Ratio	Lower	Upper	
180	100		
182	96.9	76.6	115.0
145	30.5	23.2	34.8





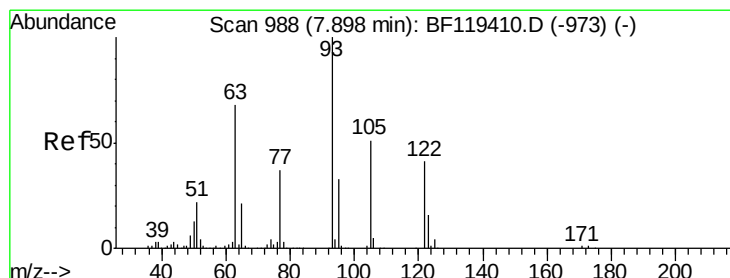
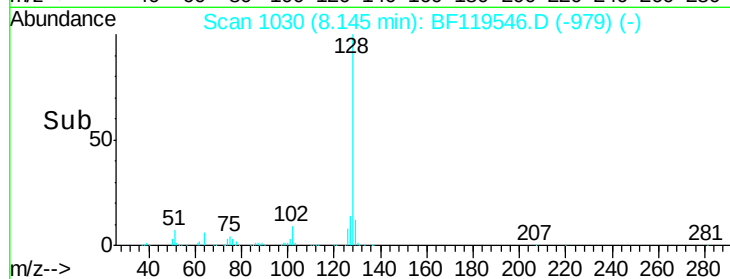
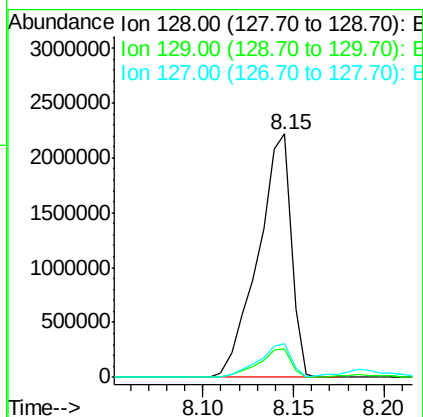
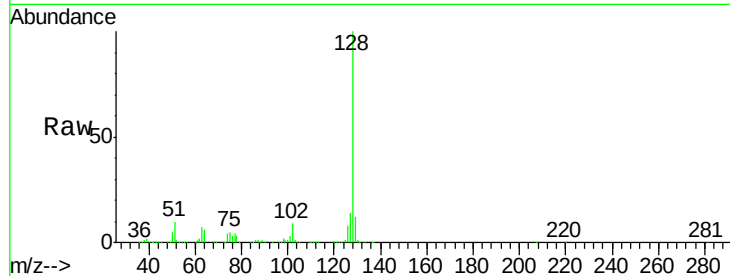
#31
Naphthalene
Concen: 48.279 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion:128 Resp: 2835593
Ion Ratio Lower Upper
128 100
129 11.7 9.3 13.9
127 14.0 11.0 16.4

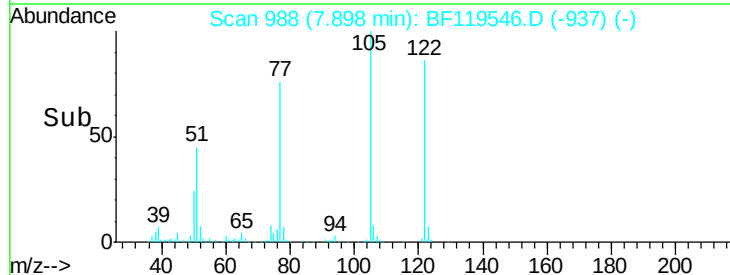
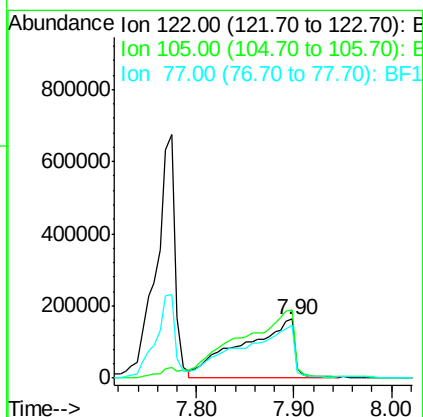
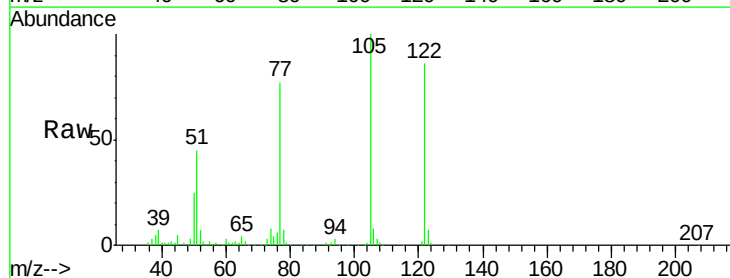
Manual Integrations
APPROVED

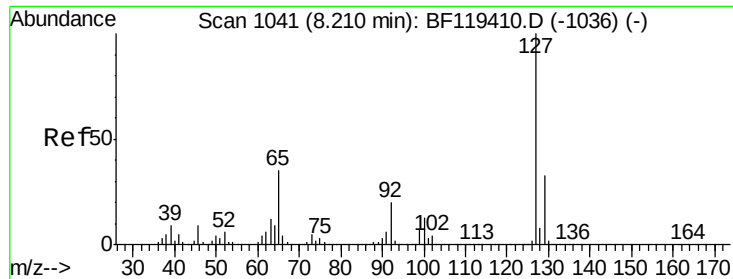
mohammad
3/30/2020 8:50:48 AM



#32
Benzoic acid
Concen: 51.440 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion:122 Resp: 604590
Ion Ratio Lower Upper
122 100
105 116.6 102.9 142.9
77 89.9 70.1 110.1





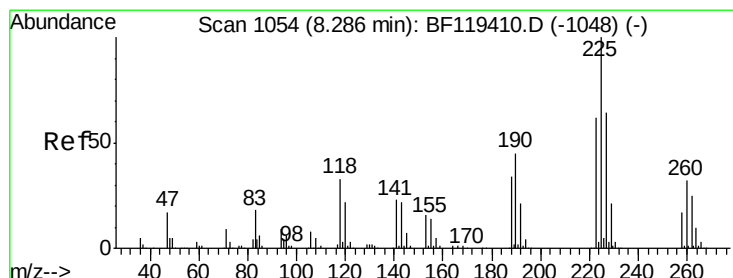
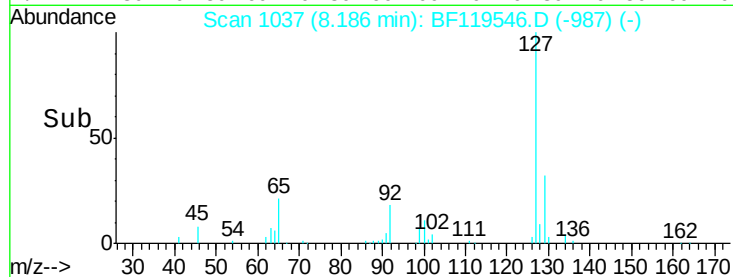
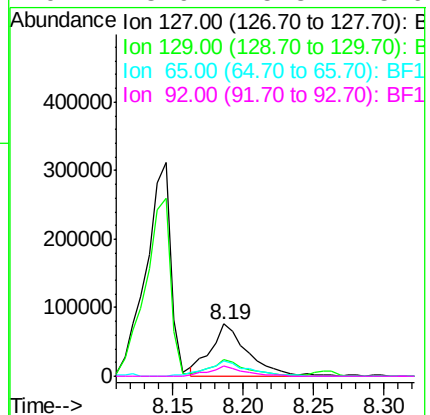
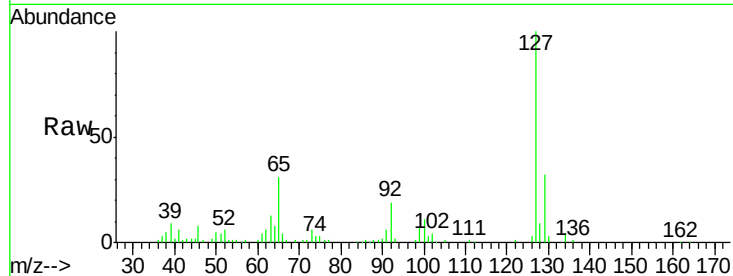
#33
4-Chloroaniline
Concen: 5.029 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.7	26.2	39.4		
65	30.7	27.7	41.5		
92	18.9	15.8	23.6		

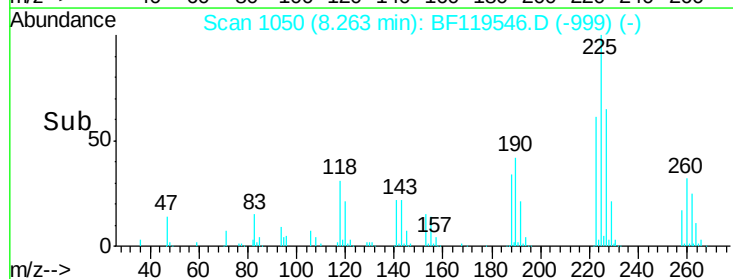
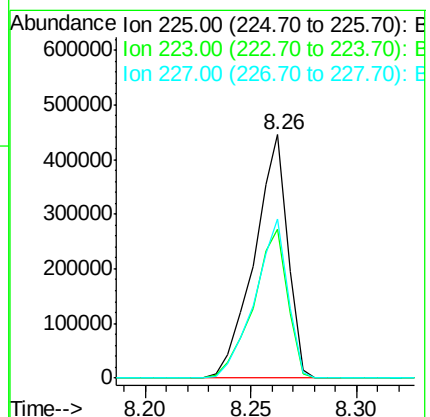
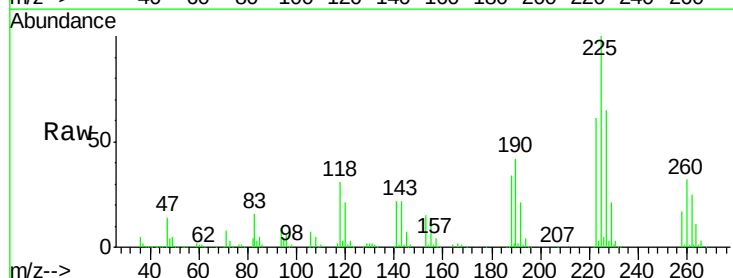
Manual Integrations
APPROVED

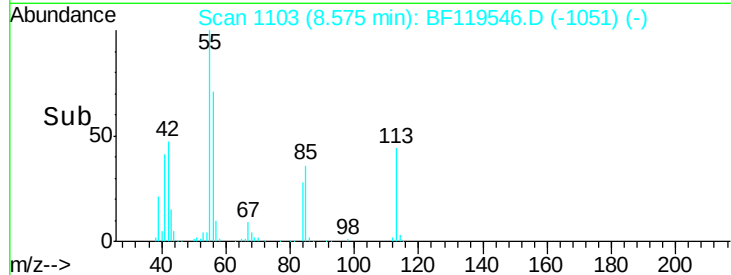
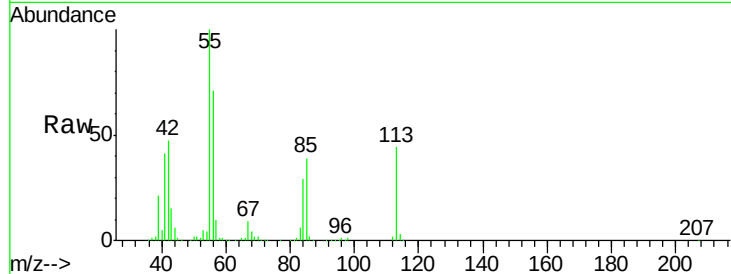
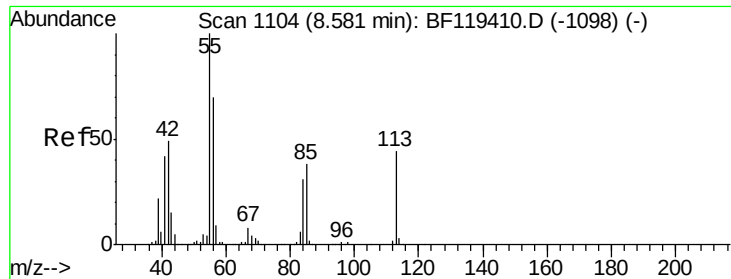
mohammad
3/30/2020 8:50:48 AM



#34
Hexachlorobutadiene
Concen: 47.076 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.2	49.2	73.8		
227	65.3	51.1	76.7		





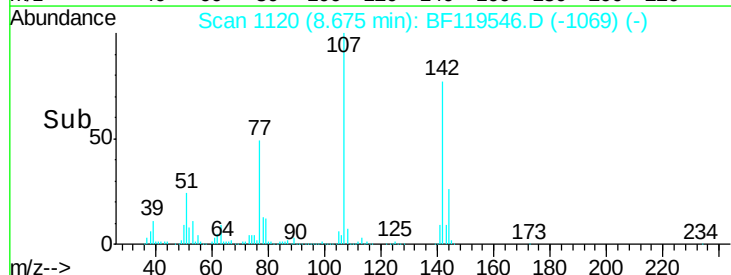
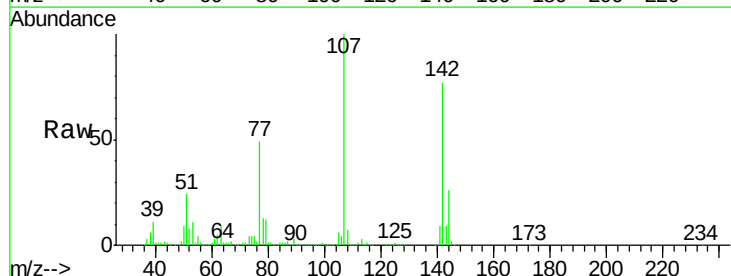
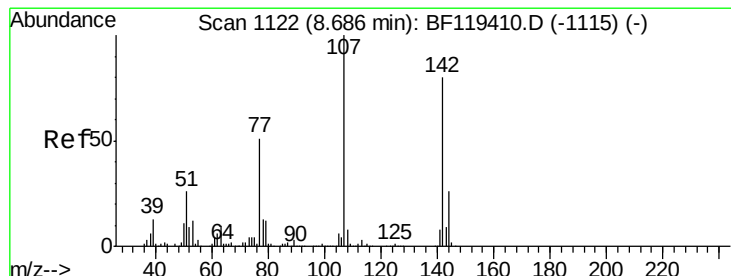
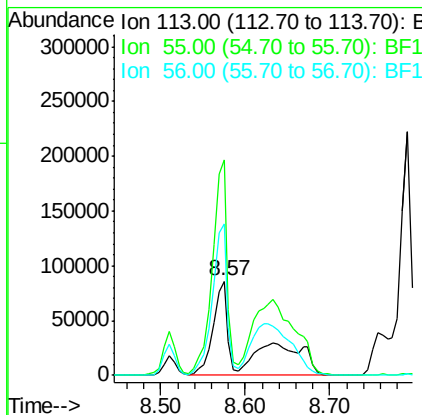
#35
Caprolactam
Concen: 39.930 ng/ml
RT: 8.57 min Scan# 1103
Delta R.T. 0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tot Ion	Ratio	Lower	Upper
113	100		
55	229.0	208.4	248.4
56	161.7	138.9	178.9

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

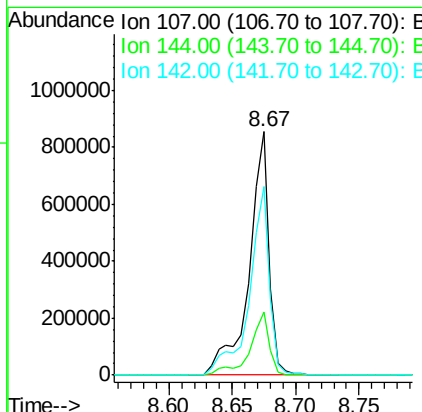
Manual Integrations
APPROVED

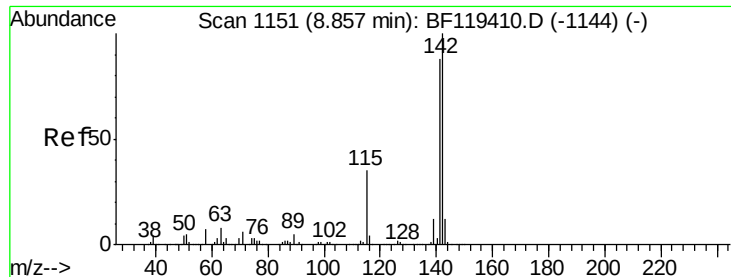
mohammad
3/30/2020 8:50:48 AM



#36
4-Chloro-3-methylphenol
Concen: 51.756 ng/ml
RT: 8.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.6	31.0
142	77.2	63.8	95.6





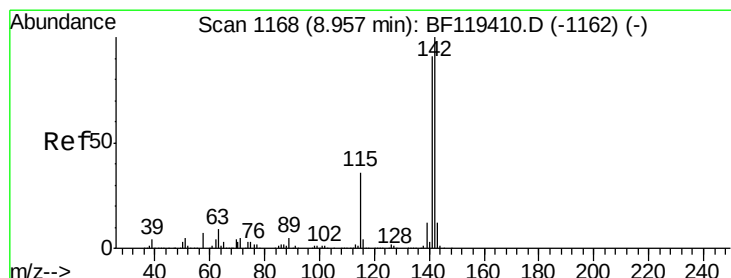
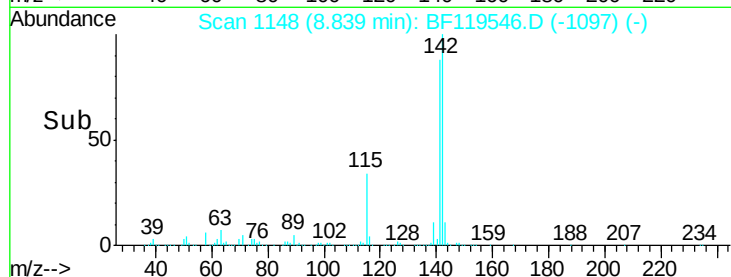
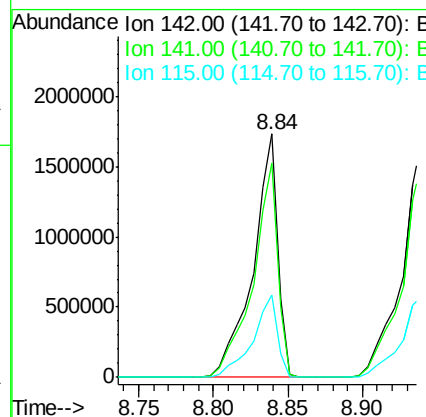
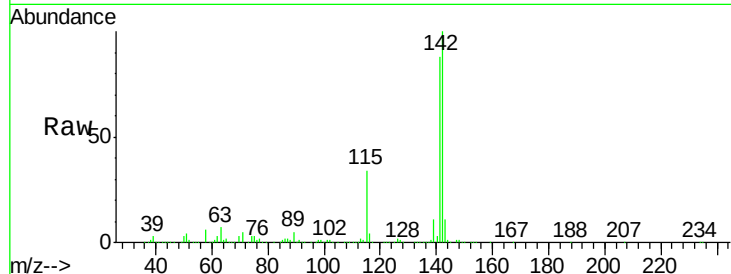
#37
2-Methylnaphthalene
Concen: 51.454 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	34.0	27.8	41.6

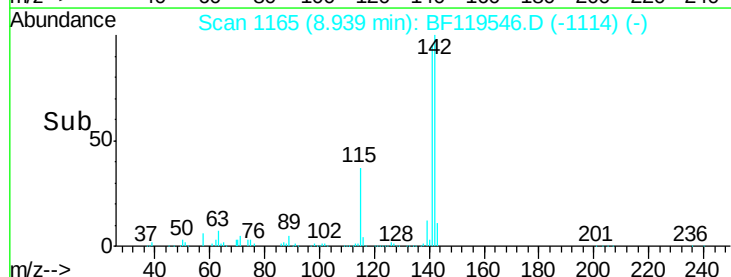
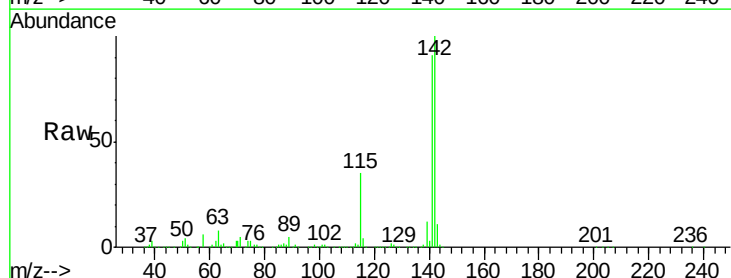
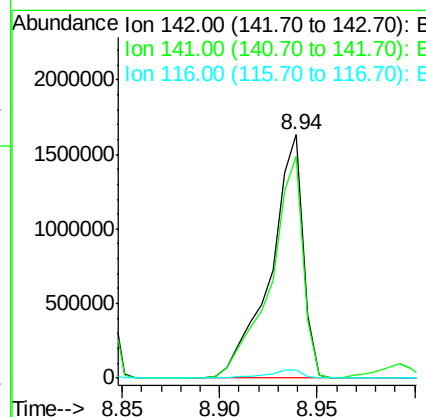
Manual Integrations
APPROVED

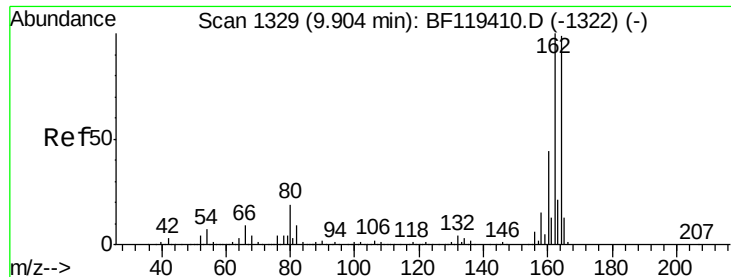
mohammad
3/30/2020 8:50:48 AM



#38
1-Methylnaphthalene
Concen: 51.764 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7
116	3.5	3.0	4.6





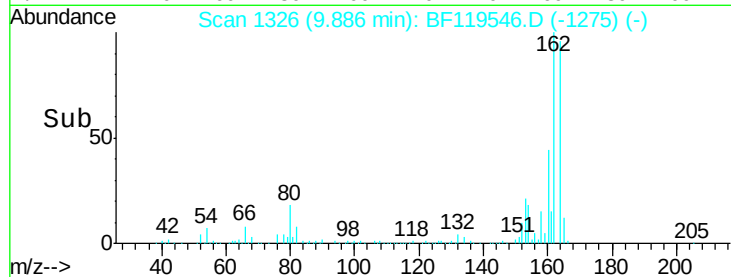
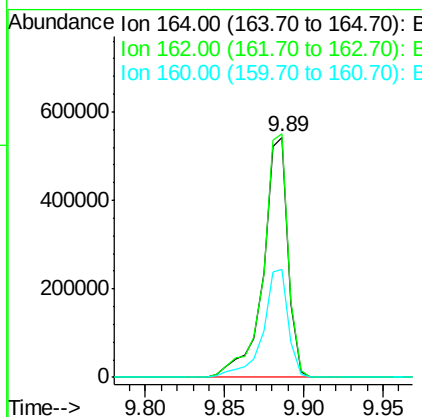
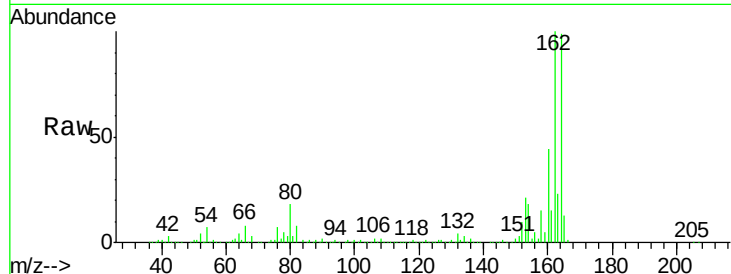
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	80.7	121.1	
160	44.8	35.5	53.3	

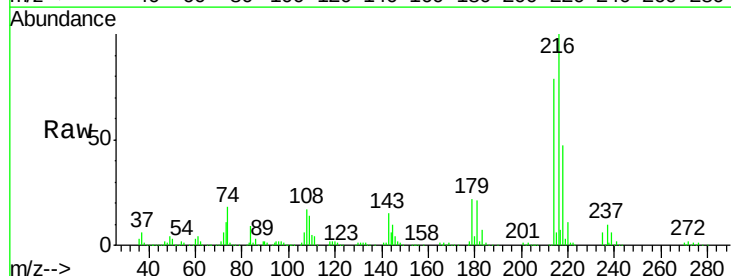
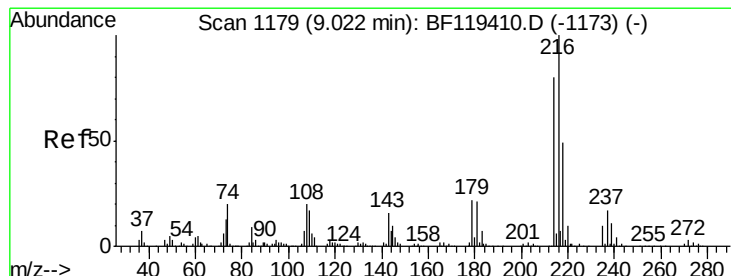
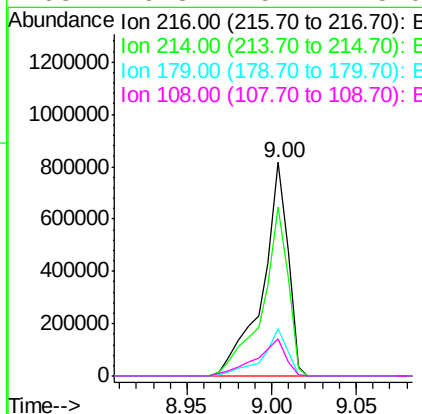
Manual Integrations
 APPROVED

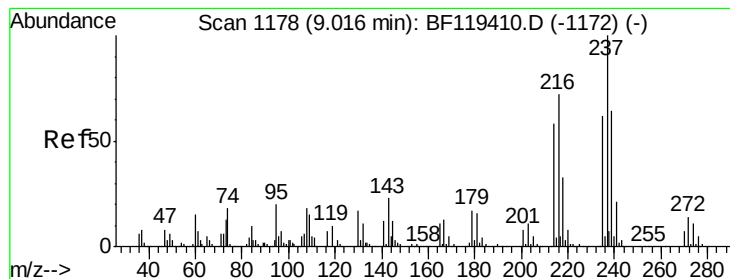
mohammad
 3/30/2020 8:50:48 AM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.466 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	63.0	94.6	
179	21.4	17.0	25.4	
108	20.3	15.4	23.0	





#41

Hexachlorocyclopentadiene

Concen: 93.955 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

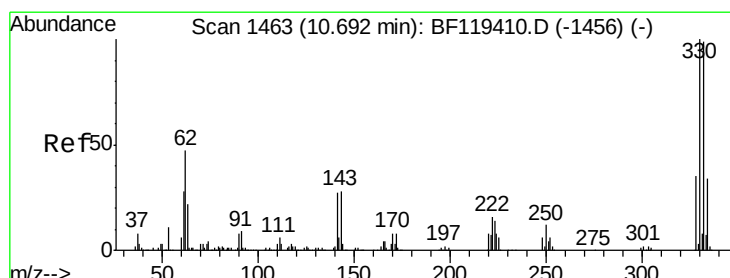
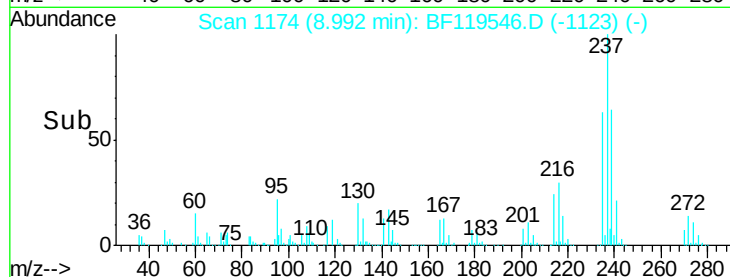
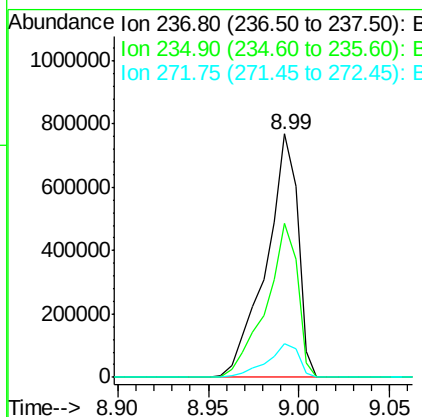
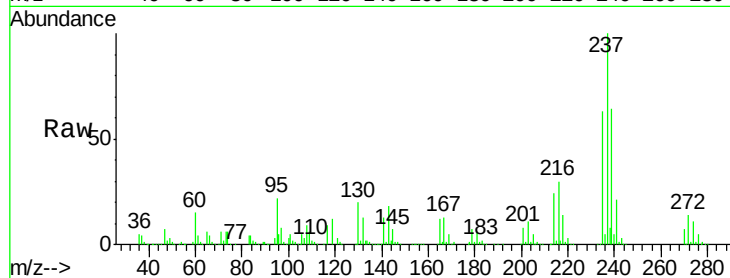
ClientSampleId :

CL-02-032520MS

Tot Ion	237	Resp	936472
Ion Ratio	Lower	Upper	
237	100		
235	63.4	42.5	82.5
272	14.1	0.0	34.3

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#42

2,4,6-Tribromophenol

Concen: 157.312 ng

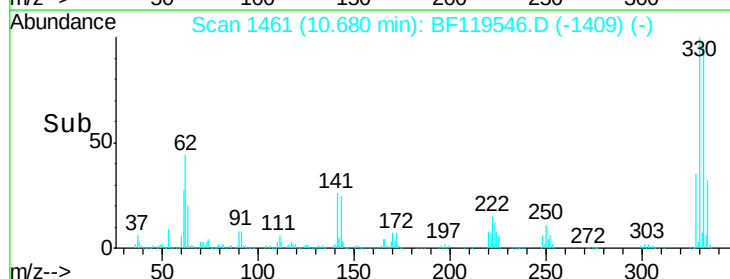
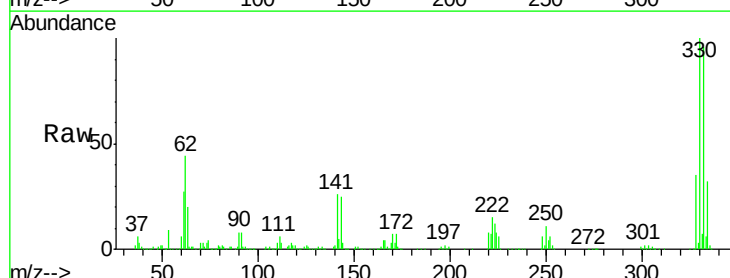
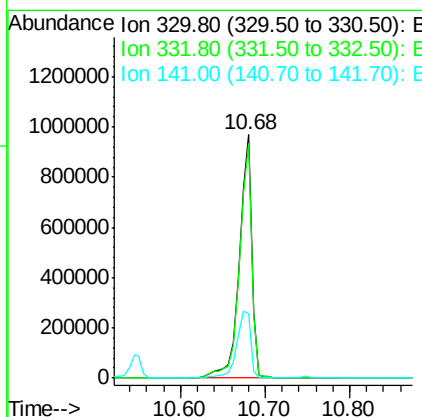
RT: 10.68 min Scan# 1461

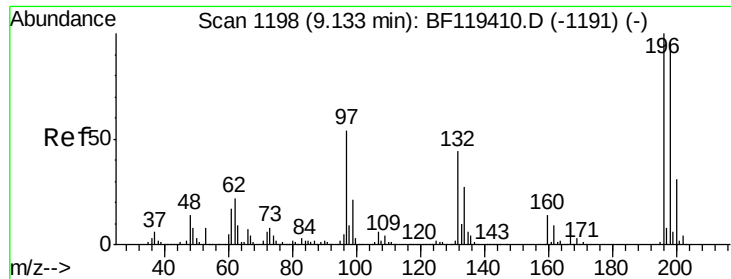
Delta R.T. 0.01 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion	330	Resp	970748
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.6	116.4
141	31.3	26.6	40.0





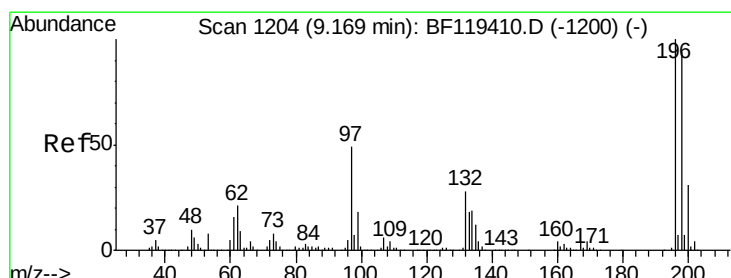
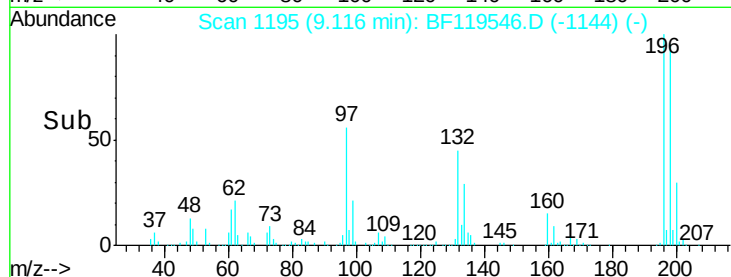
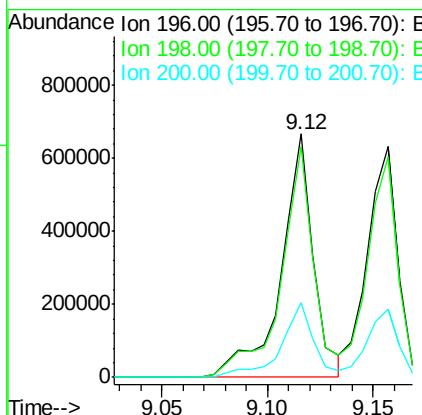
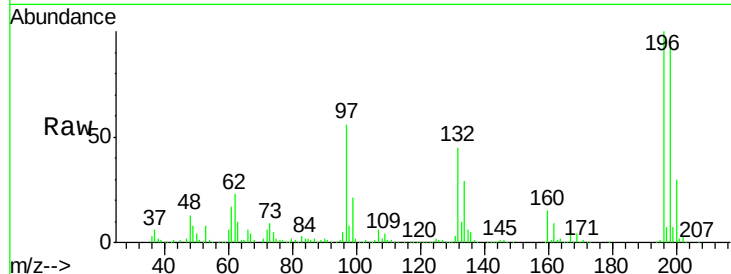
#43
 2,4,6-Trichlorophenol
 Concen: 56.991 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	715033		
198	94.9	77.0	115.4	
200	30.4	25.1	37.7	

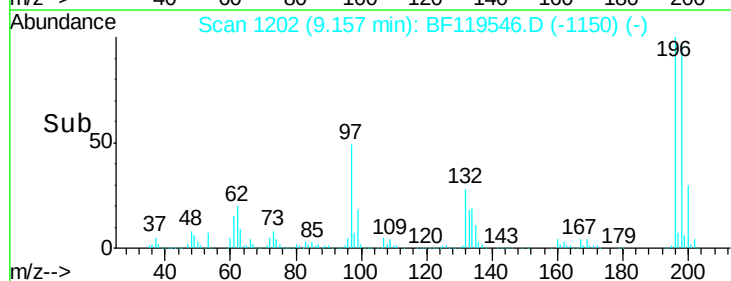
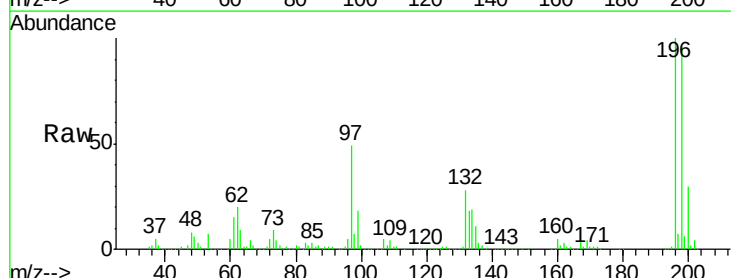
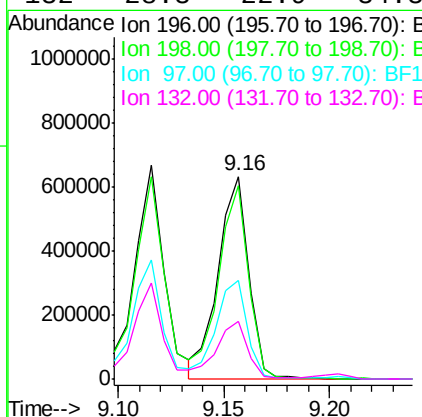
Manual Integrations
 APPROVED

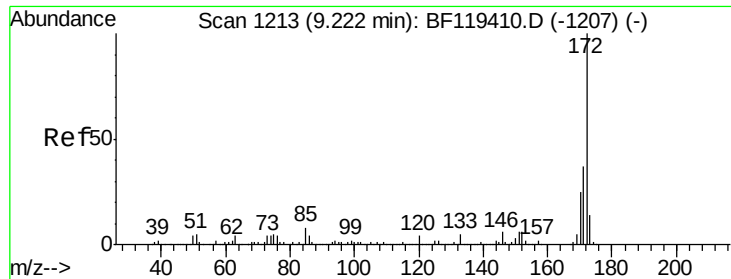
mohammad
 3/30/2020 8:50:48 AM



#44
 2,4,5-Trichlorophenol
 Concen: 44.942 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	631651		
198	95.6	75.3	112.9	
97	48.6	39.0	58.4	
132	28.3	22.9	34.3	





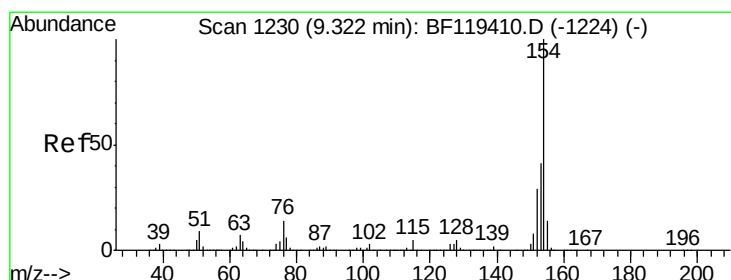
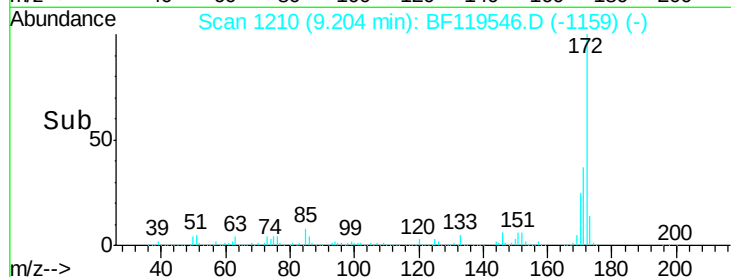
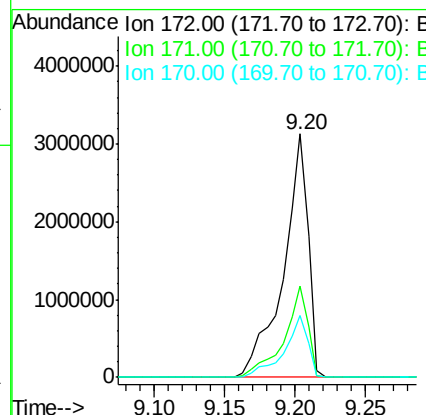
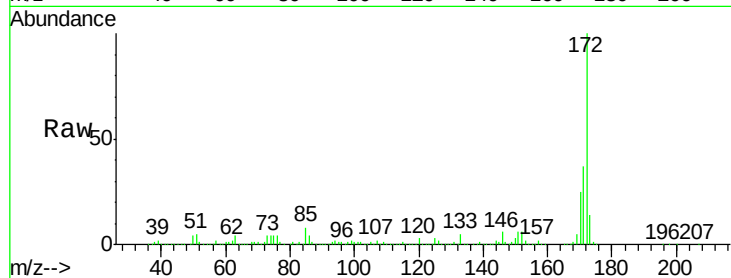
#45
2-Fluorobiphenyl
Concen: 94.393 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	25.3	20.1	30.1

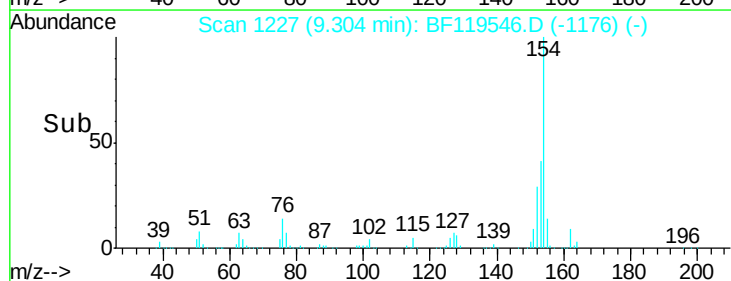
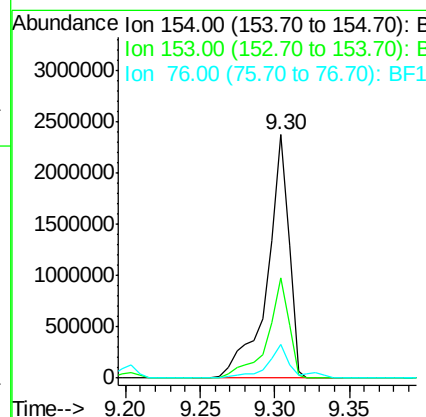
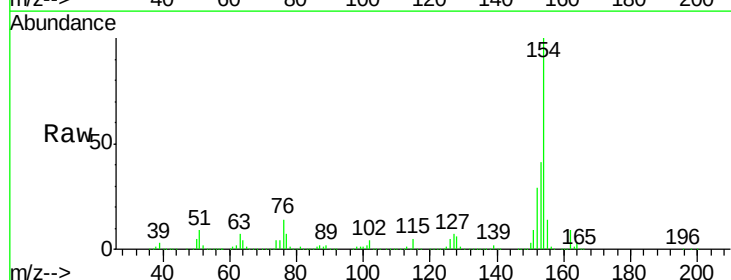
Manual Integrations
APPROVED

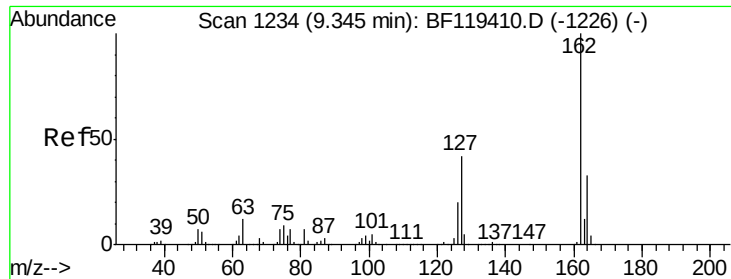
mohammad
3/30/2020 8:50:48 AM



#46
1,1'-Biphenyl
Concen: 48.810 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	13.6	0.0	33.6





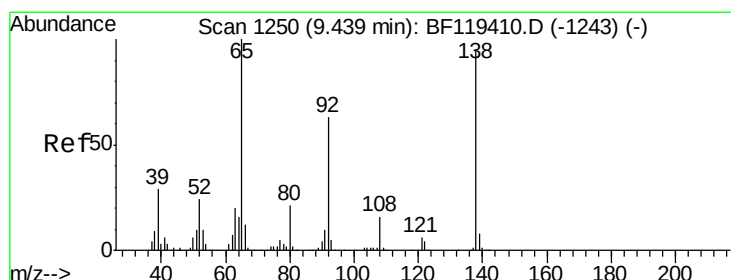
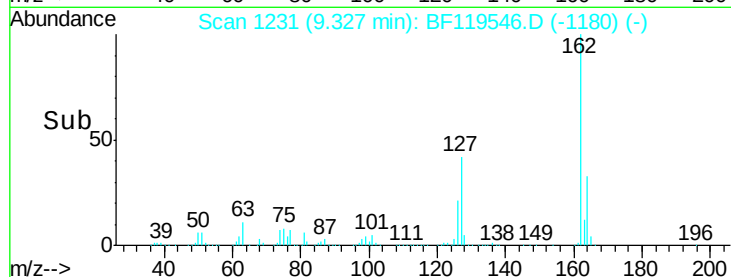
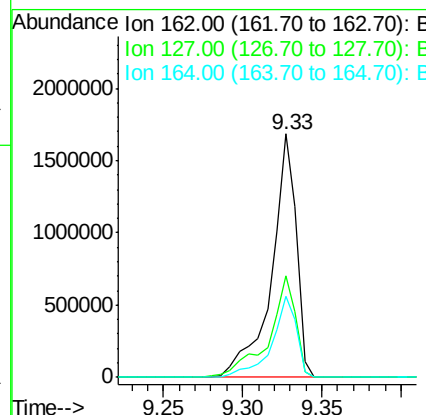
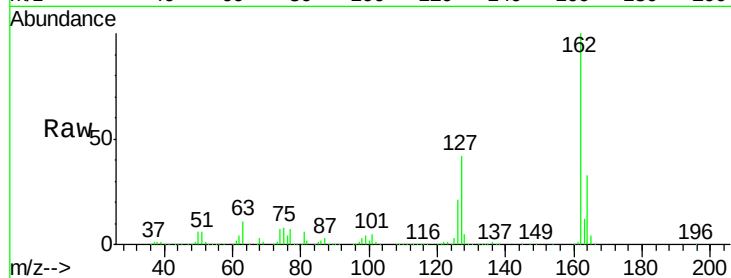
#47
 2-Chloronaphthalene
 Concen: 48.290 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion:	162	Resp:	1842728
Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.7	50.5
164	33.4	26.2	39.4

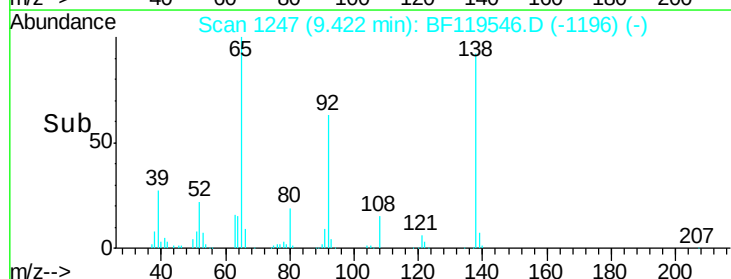
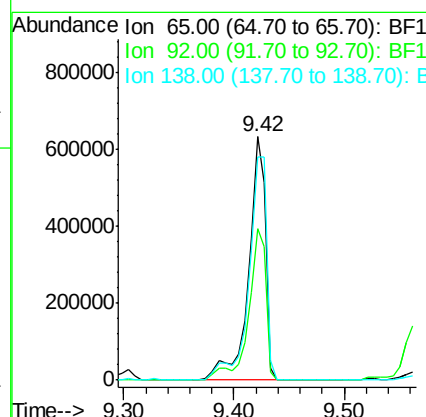
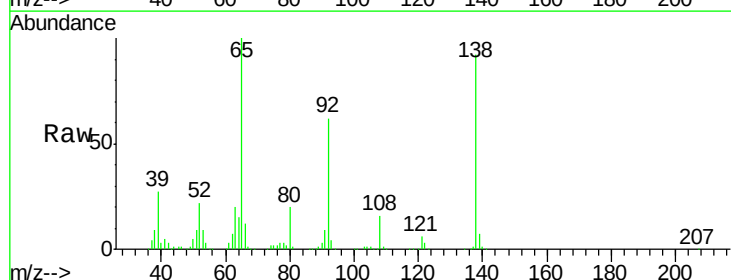
Manual Integrations
 APPROVED

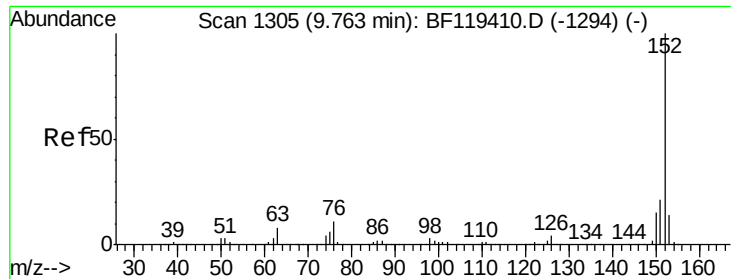
mohammad
 3/30/2020 8:50:48 AM



#48
 2-Nitroaniline
 Concen: 51.730 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion:	65	Resp:	681349
Ion	Ratio	Lower	Upper
65	100		
92	62.3	50.5	75.7
138	91.8	75.8	113.8





#49

Acenaphthylene

Concen: 48.634 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

ClientSampleId :

CL-02-032520MS

Tot Ion:152 Resp: 2914400

Ion Ratio Lower Upper

152 100

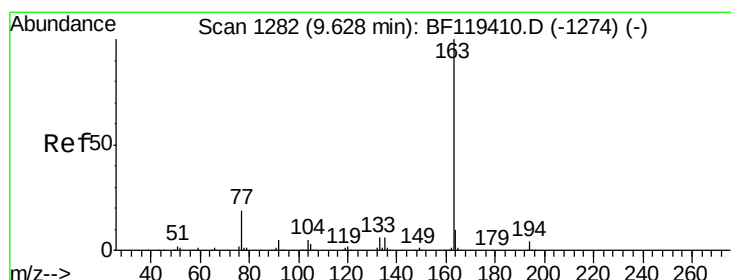
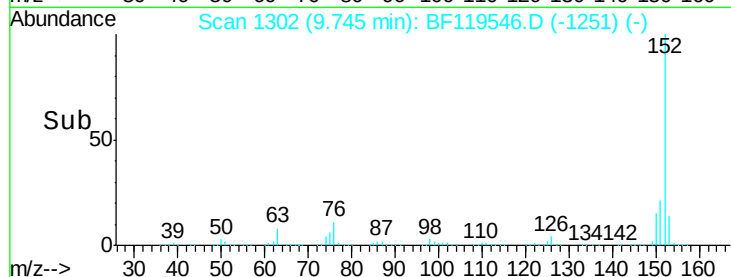
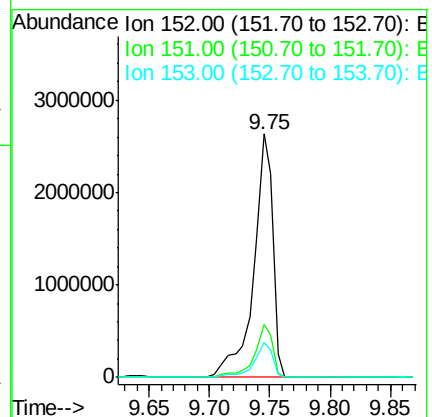
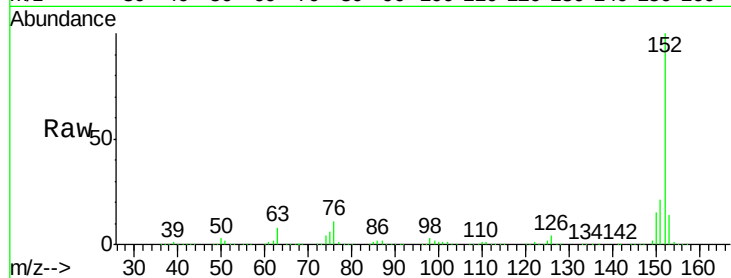
151 21.5 16.8 25.2

153 14.2 11.2 16.8

Manual Integrations
APPROVED

mohammad

3/30/2020 8:50:48 AM



#50

Dimethylphthalate

Concen: 46.925 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

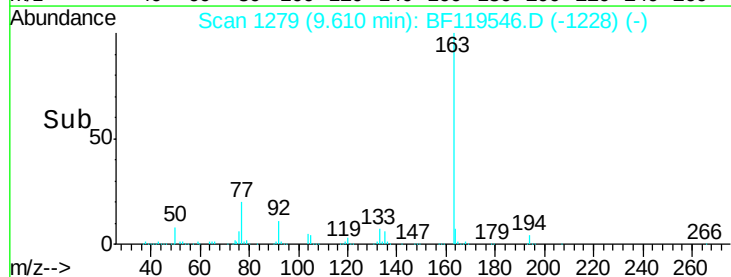
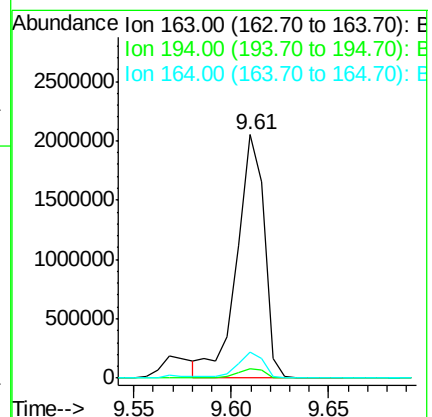
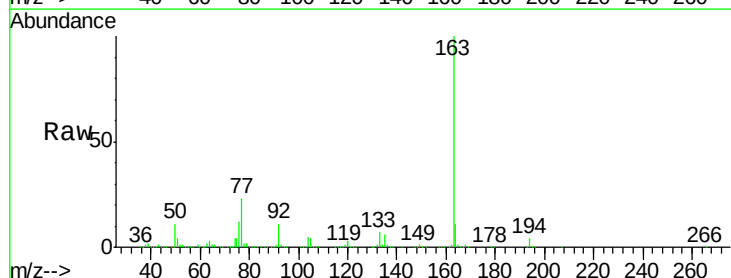
Tgt Ion:163 Resp: 1993670

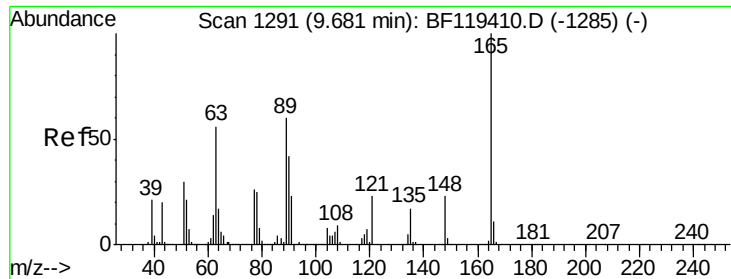
Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.9 8.1 12.1





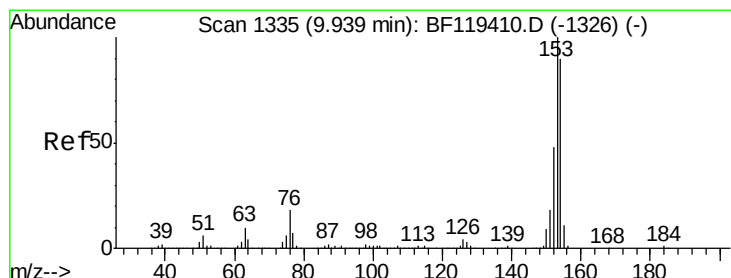
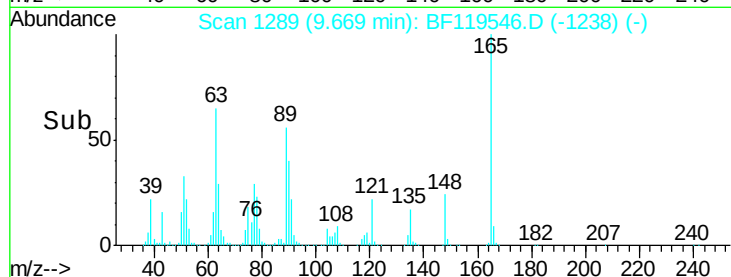
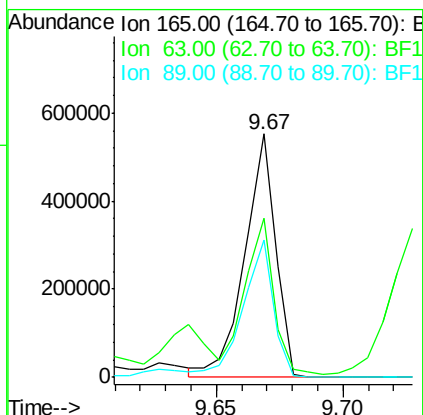
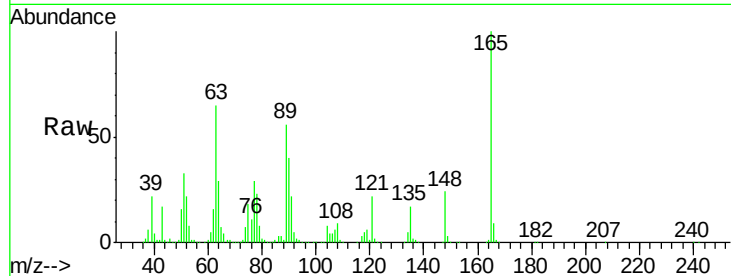
#51
 2,6-Dinitrotoluene
 Concen: 51.478 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	65.5	57.3	85.9
89	56.2	47.8	71.8

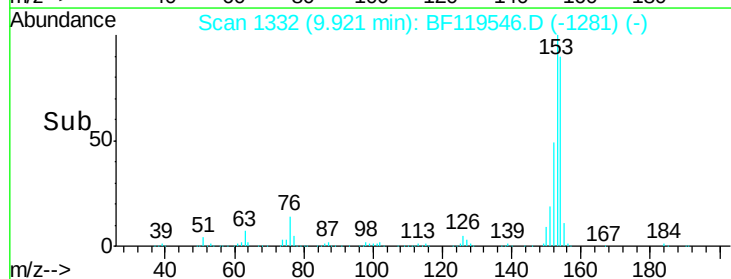
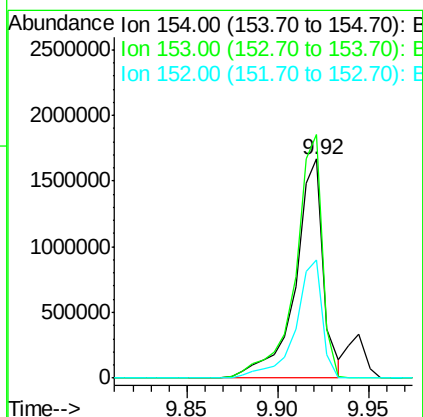
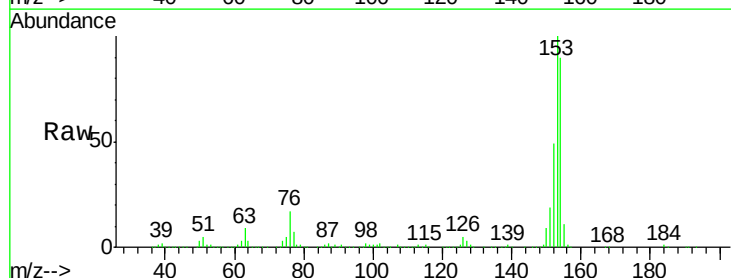
Manual Integrations
 APPROVED

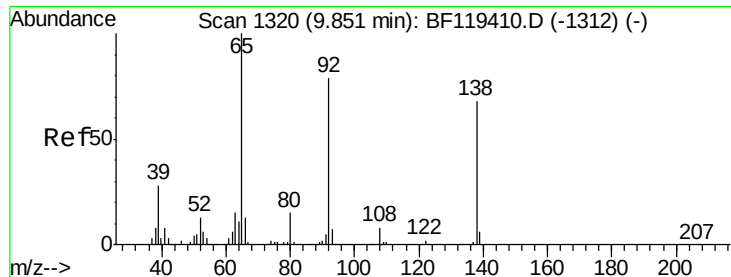
mohammad
 3/30/2020 8:50:48 AM



#52
 Acenaphthene
 Concen: 48.596 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.0	133.6
152	54.1	43.1	64.7





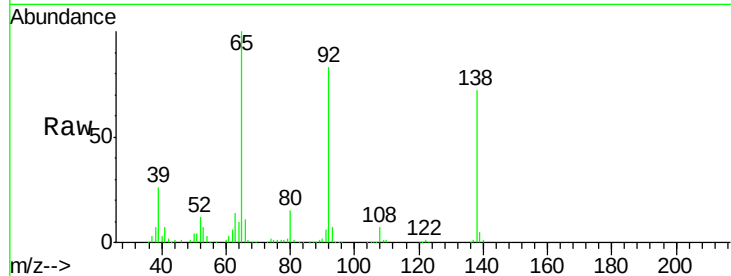
#53
3-Nitroaniline
Concen: 13.851 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

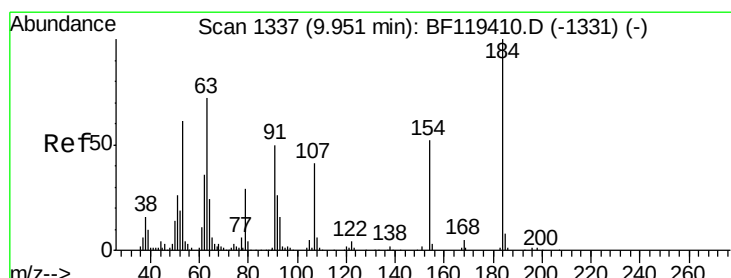
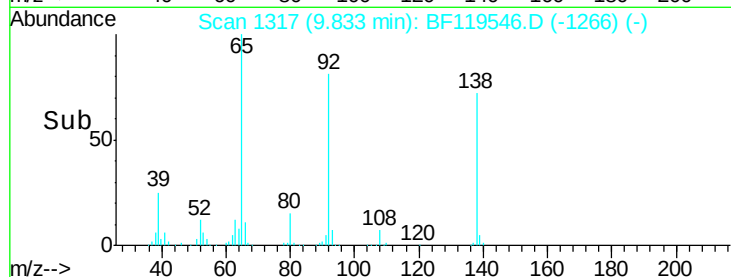
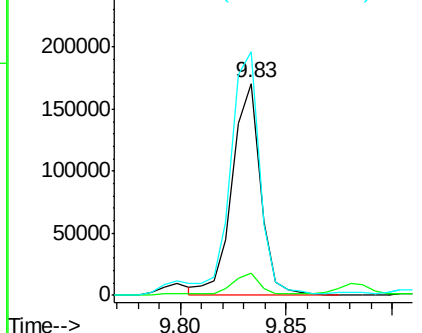
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	9.0	13.6
92	114.8	93.2	139.8

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM

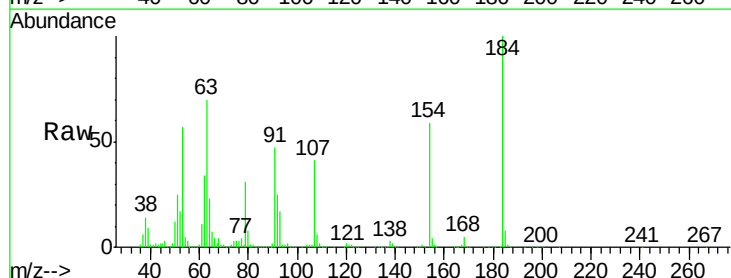


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

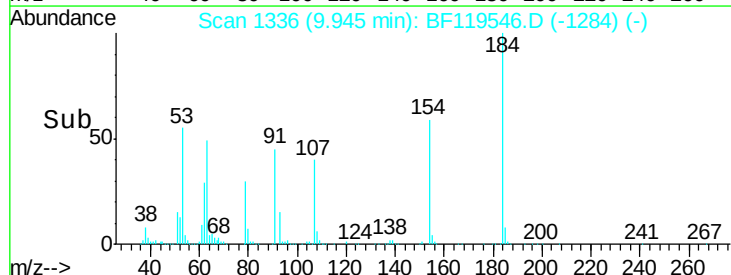
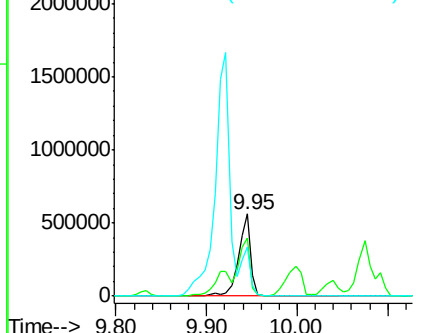


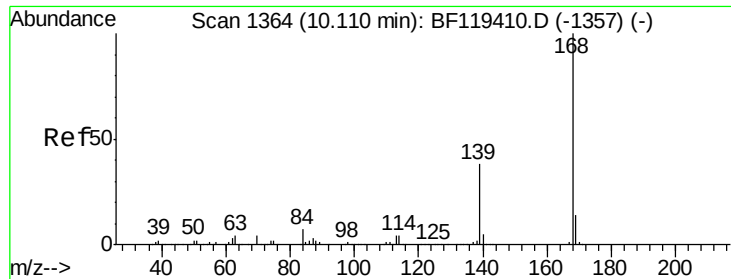
#54
2,4-Dinitrophenol
Concen: 130.343 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.3	58.5	87.7
154	59.4	51.8	77.6



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





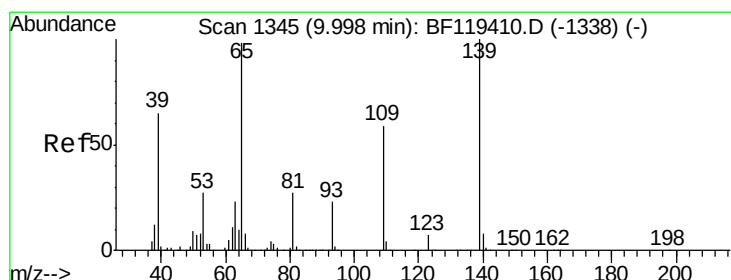
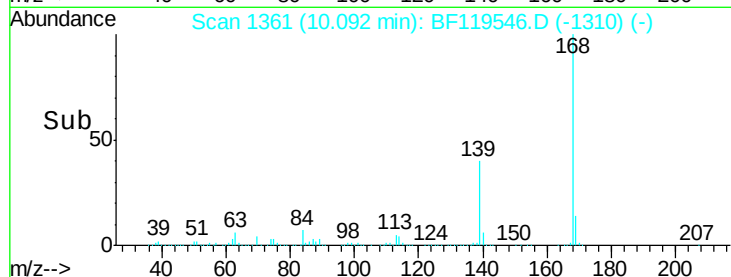
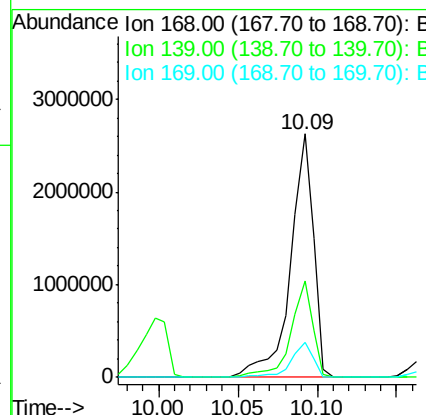
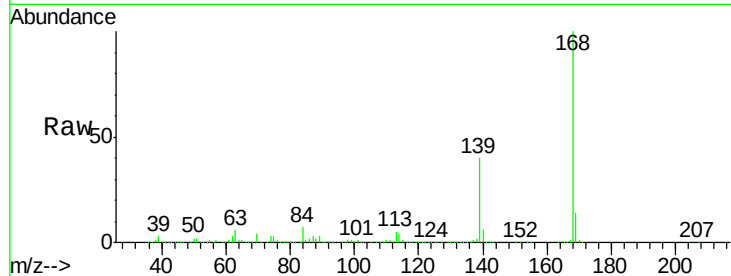
#55
Dibenzofuran
Concen: 49.239 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	30.2	45.4
169	14.4	11.1	16.7

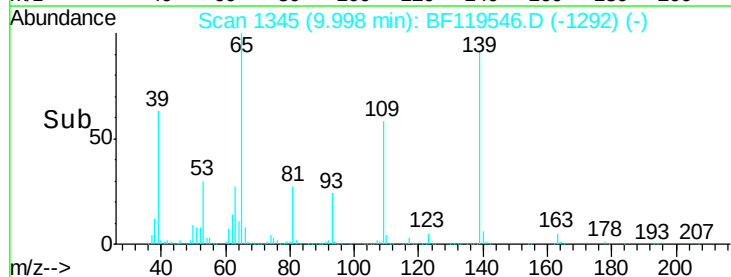
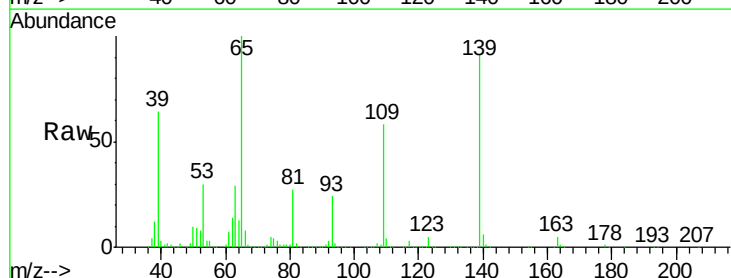
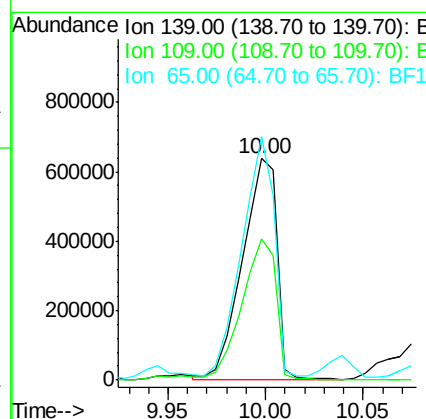
Manual Integrations
APPROVED

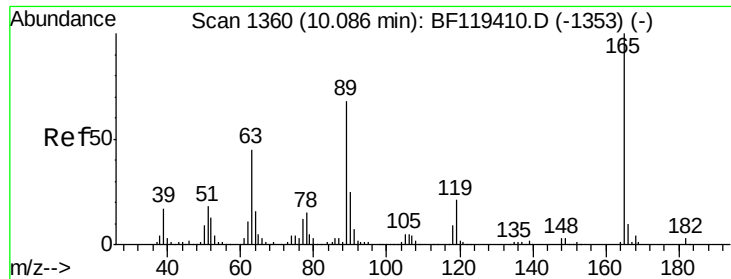
mohammad
3/30/2020 8:50:48 AM



#56
4-Nitrophenol
Concen: 85.241 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.6	39.6	79.6
65	109.9	78.3	118.3





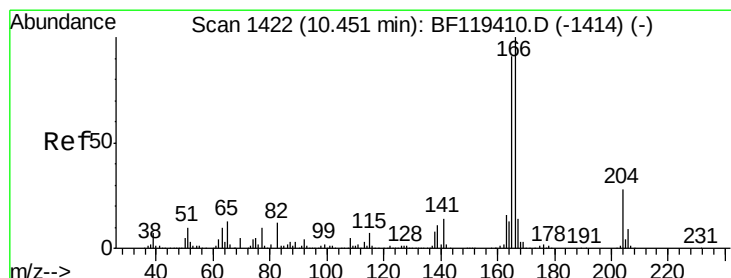
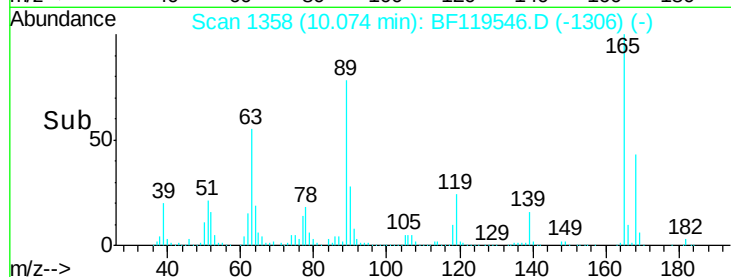
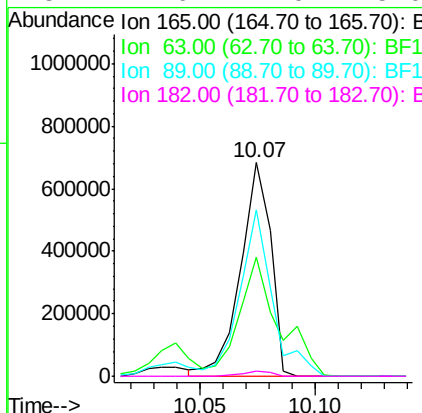
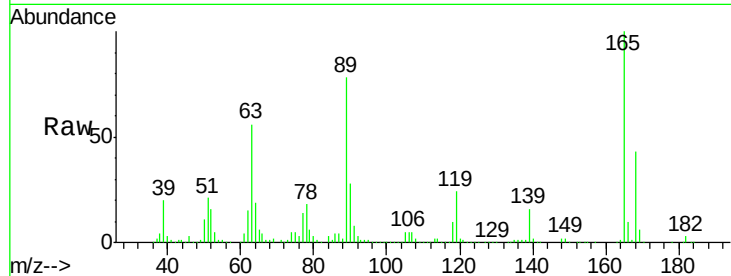
#57
 2,4-Dinitrotoluene
 Concen: 54.486 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. 0.01 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		625068		
63	55.5	36.2	54.4#		
89	78.1	54.3	81.5		
182	2.6	2.0	3.0		

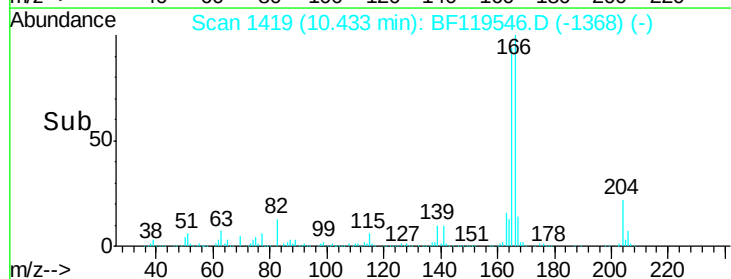
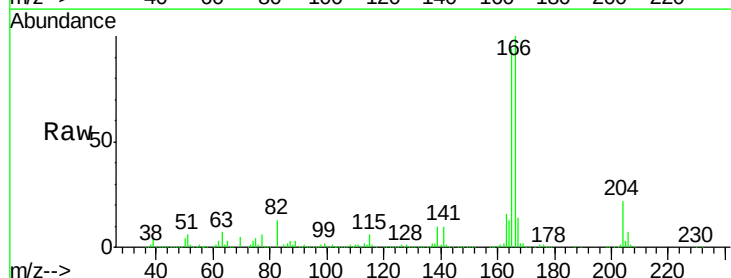
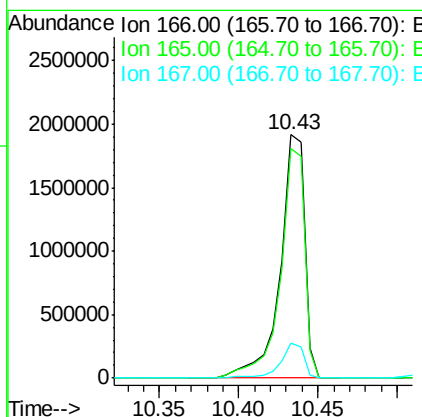
Manual Integrations
 APPROVED

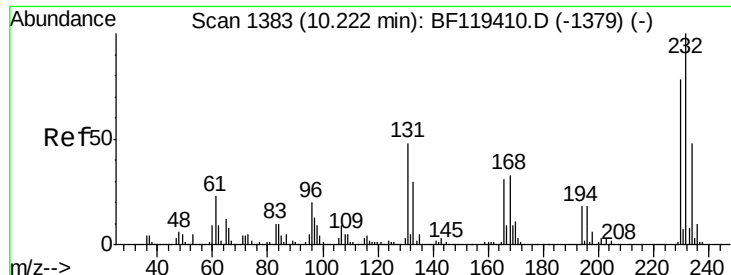
mohammad
 3/30/2020 8:50:48 AM



#58
 Fluorene
 Concen: 51.797 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		2051596		
165	94.0	73.1	109.7		
167	14.5	11.0	16.6		





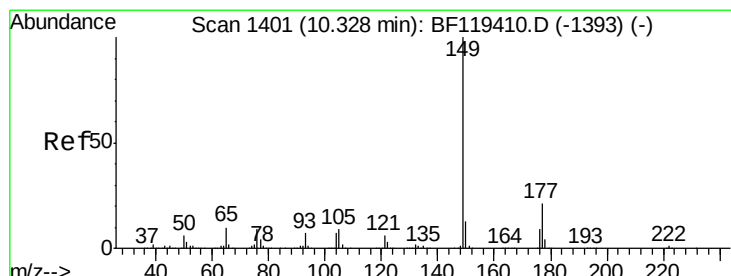
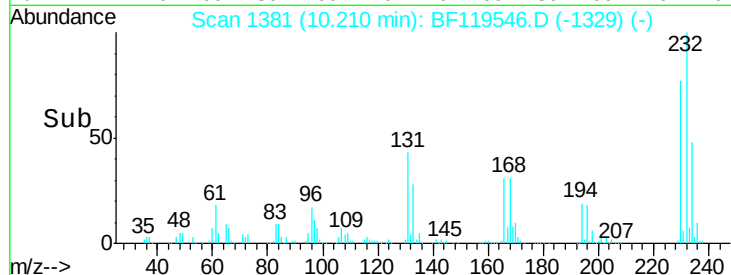
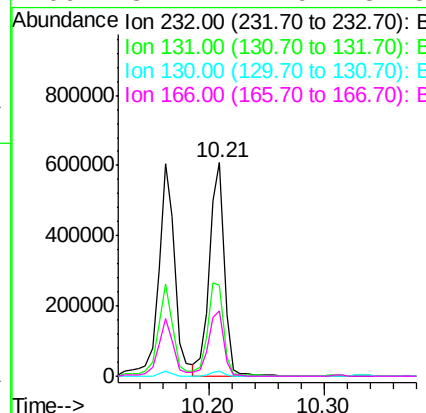
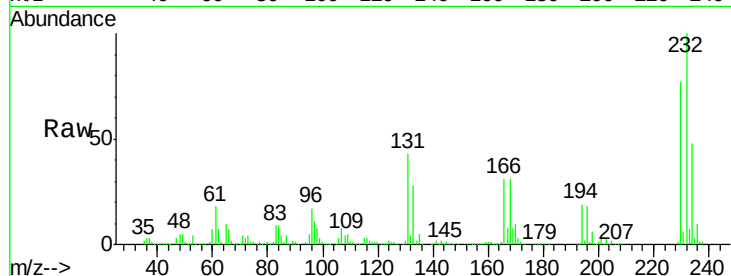
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 52.534 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.3	36.3	54.5
130	2.3	1.8	2.6
166	31.2	24.9	37.3

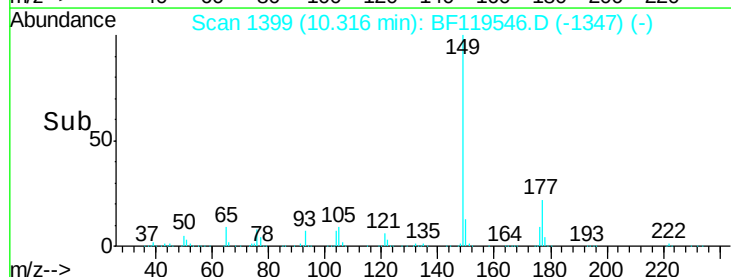
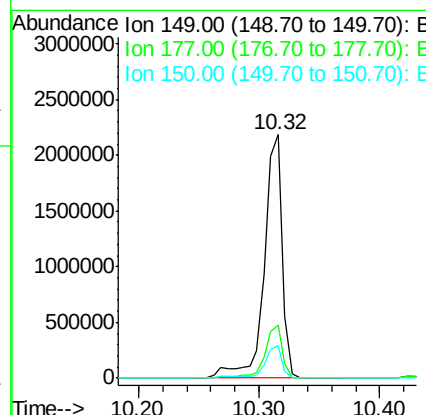
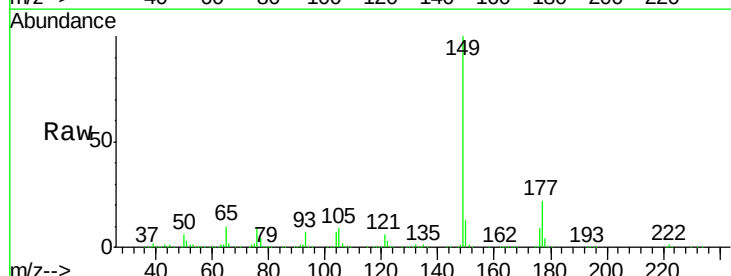
Manual Integrations
 APPROVED

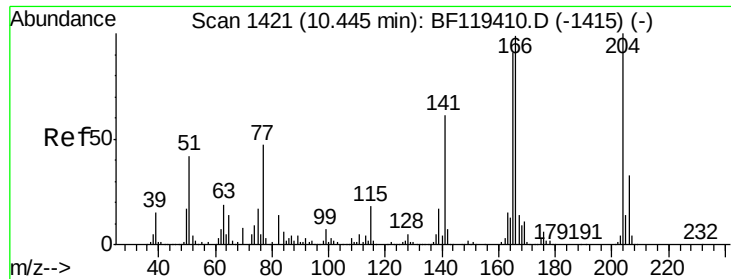
mohammad
 3/30/2020 8:50:48 AM



#60
 Diethylphthalate
 Concen: 52.684 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.01 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.0	25.6
150	13.1	10.2	15.4





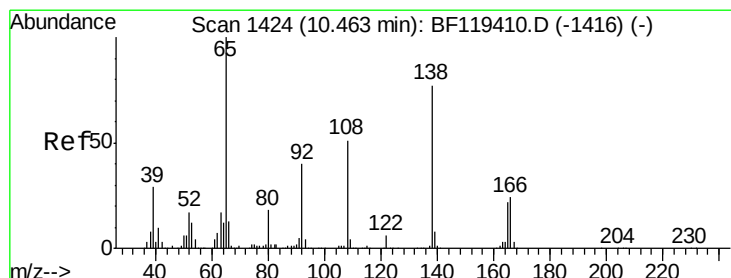
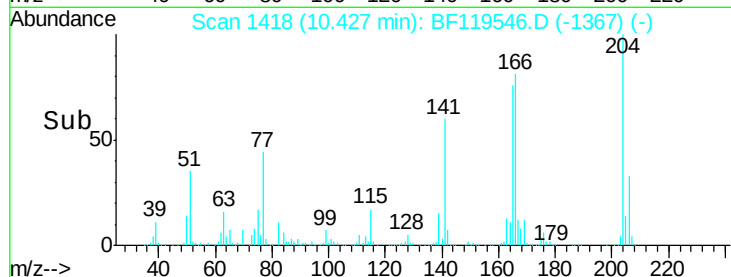
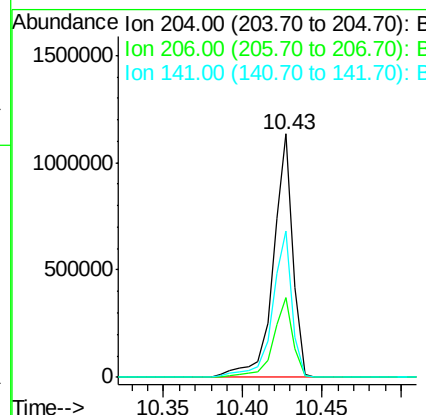
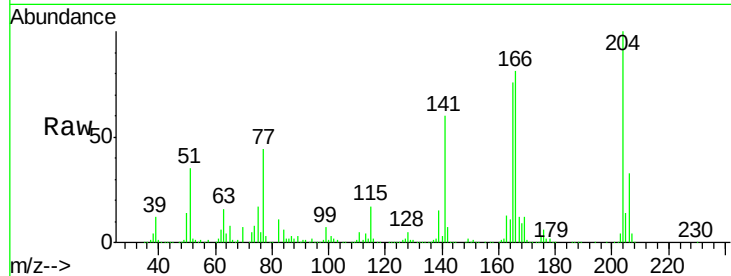
#61
 4-Chlorophenyl-phenylether
 Concen: 50.578 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion:	204	Resp:	979641
Ion Ratio	Lower	Upper	
204	100		
206	33.0	26.7	40.1
141	60.1	48.8	73.2

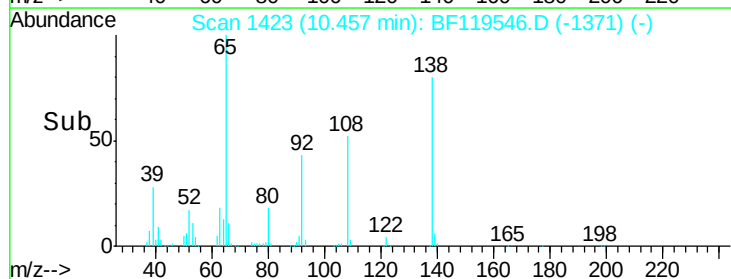
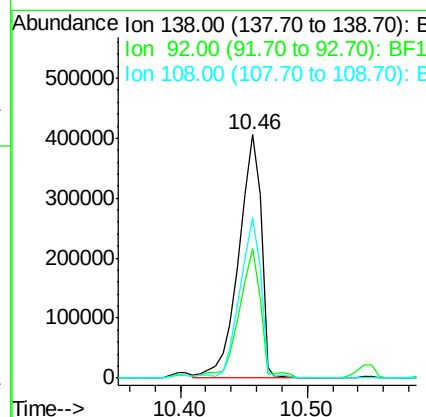
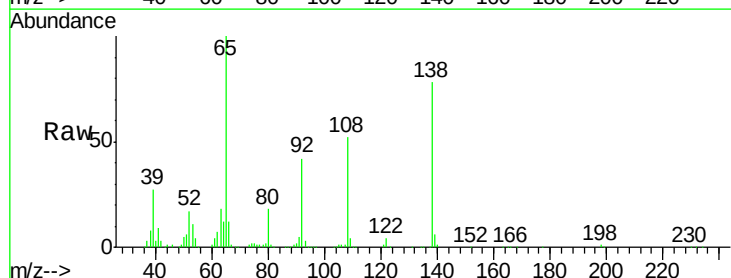
Manual Integrations
 APPROVED

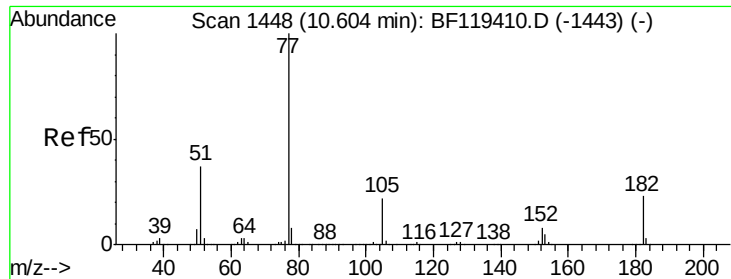
mohammad
 3/30/2020 8:50:48 AM



#62
 4-Nitroaniline
 Concen: 44.408 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.01 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion:	138	Resp:	489597
Ion Ratio	Lower	Upper	
138	100		
92	53.2	32.0	72.0
108	66.0	46.0	86.0





#63

Azobenzene

Concen: 49.376 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

ClientSampleId :

CL-02-032520MS

Tot Ion: 77 Resp: 2144097

Ion Ratio Lower Upper

77 100

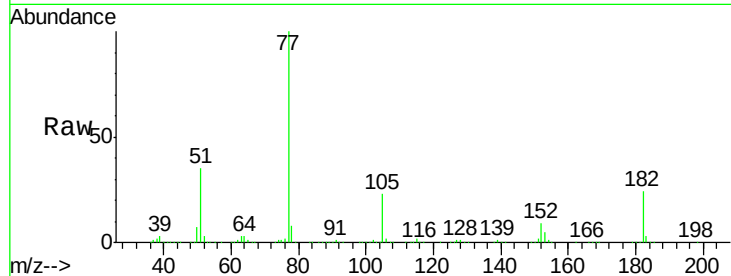
182 24.3 2.5 42.5

105 22.9 2.5 42.5

51 35.5 17.1 57.1

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM

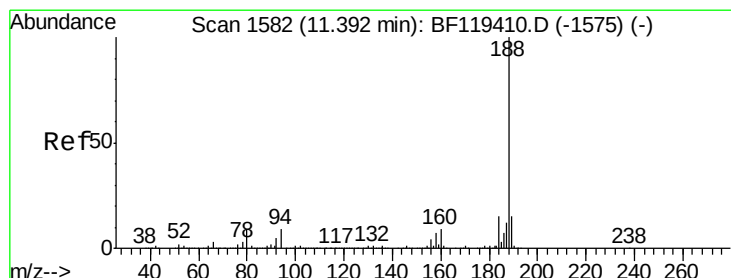
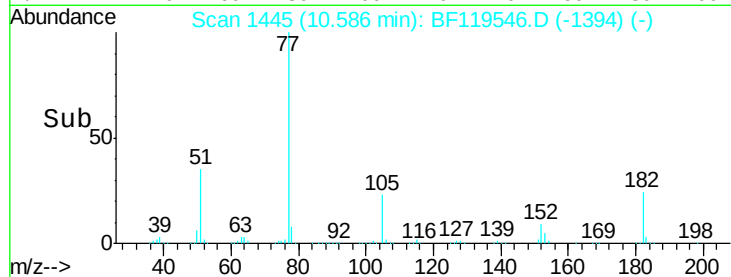
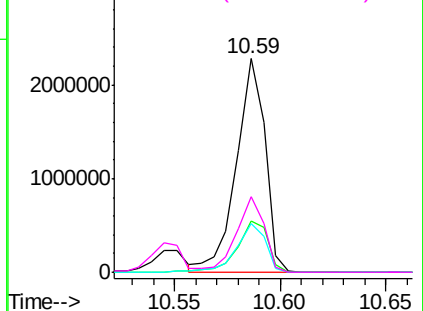


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

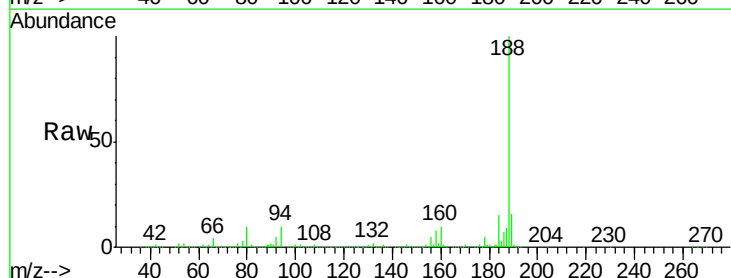
Tgt Ion: 188 Resp: 1151704

Ion Ratio Lower Upper

188 100

94 10.3 7.1 10.7

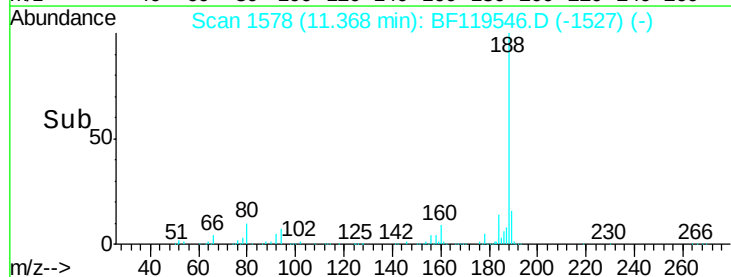
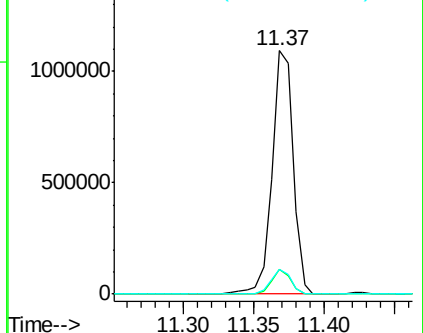
80 10.4 7.5 11.3

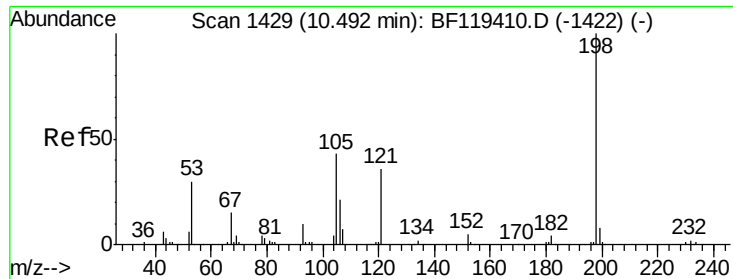


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





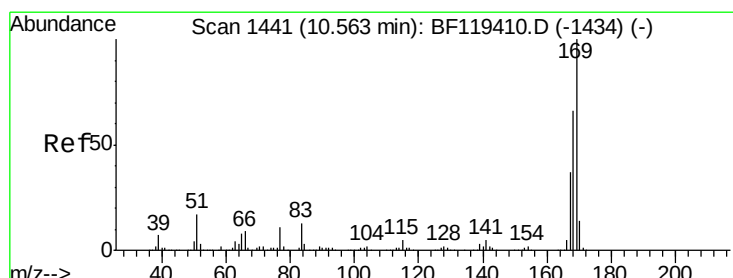
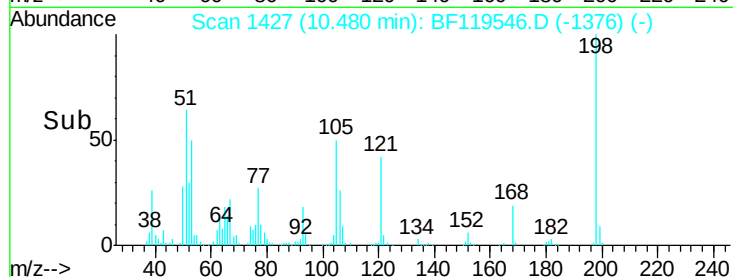
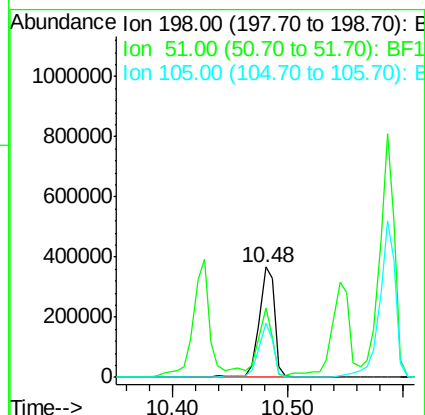
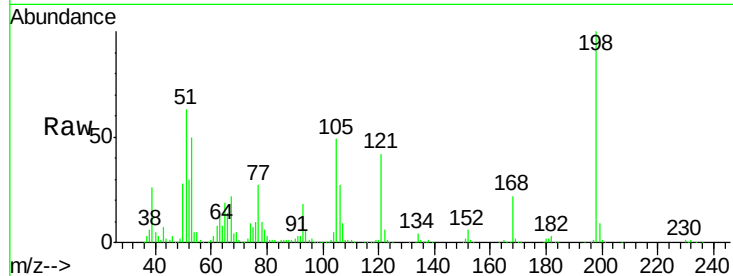
#65
4,6-Dinitro-2-methylphenol
Concen: 71.803 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	63.5	33.1	73.1
105	49.4	24.1	64.1

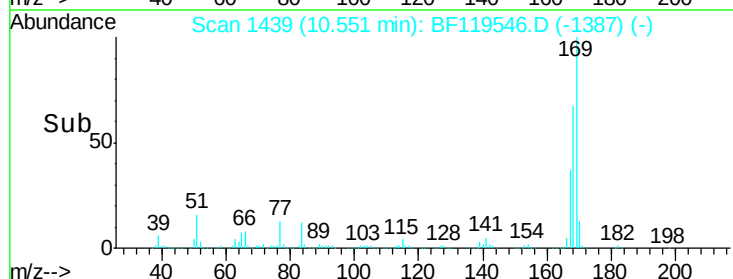
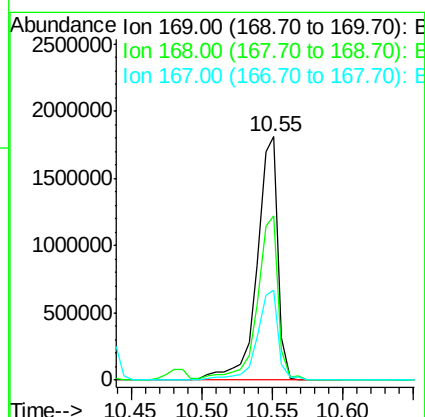
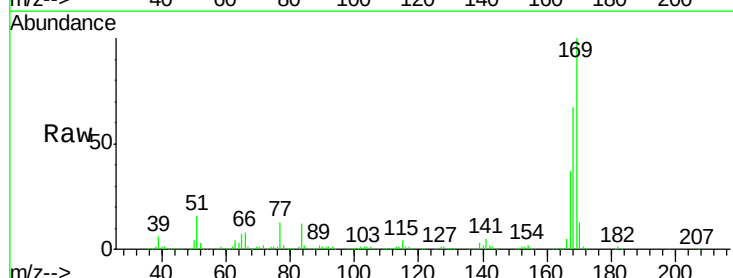
Manual Integrations
APPROVED

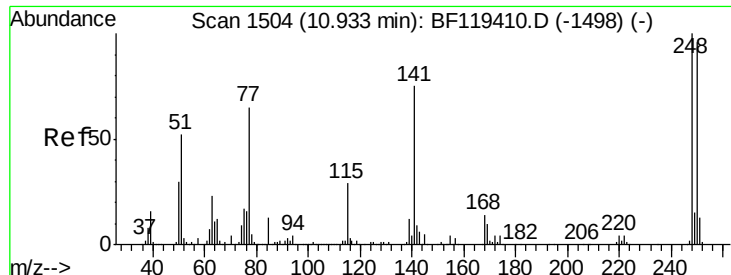
mohammad
3/30/2020 8:50:48 AM



#66
n-Nitrosodiphenylamine
Concen: 49.976 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.4	52.7	79.1
167	37.0	29.3	43.9





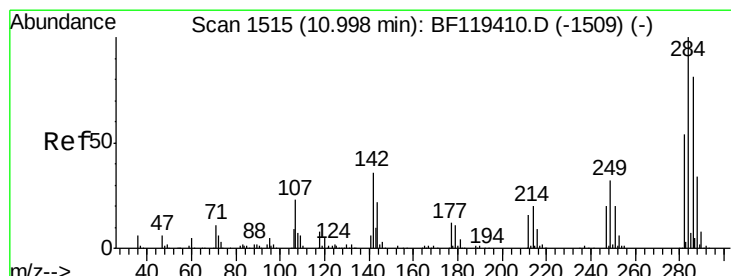
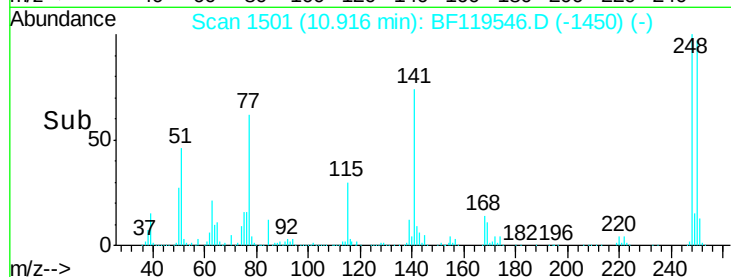
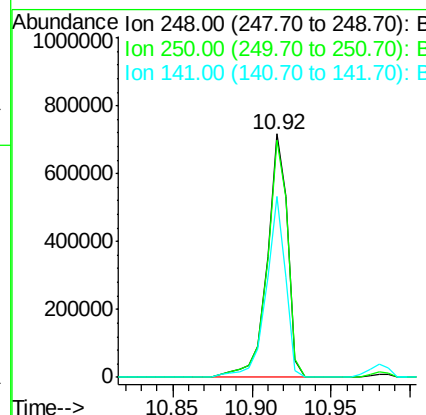
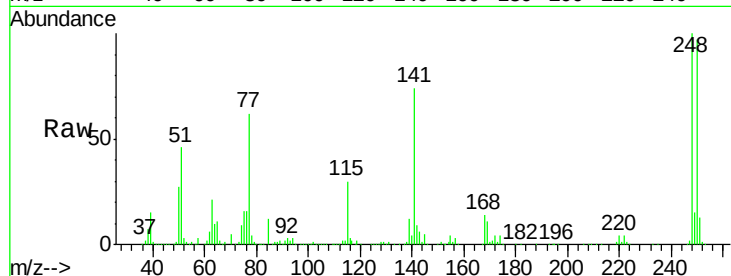
#67
 4-Bromophenyl-phenylether
 Concen: 49.561 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.0	115.6
141	74.2	59.7	89.5

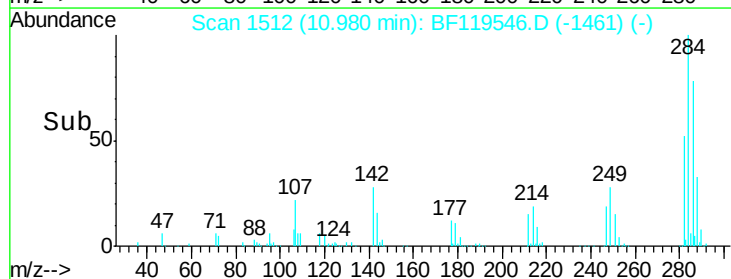
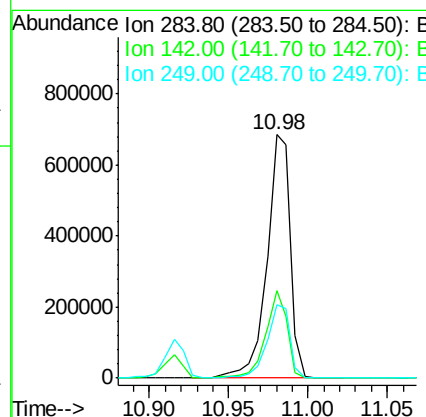
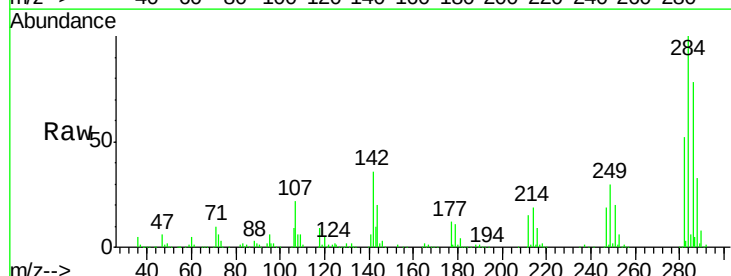
Manual Integrations
 APPROVED

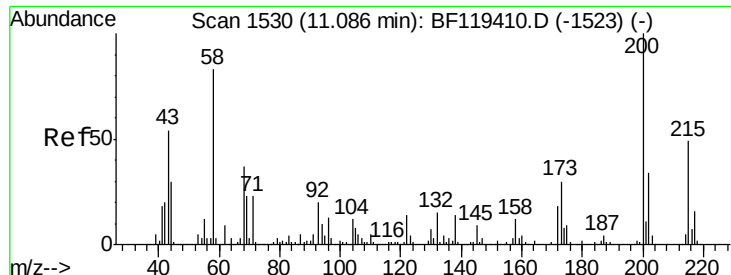
mohammad
 3/30/2020 8:50:48 AM



#68
 Hexachlorobenzene
 Concen: 52.783 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.7	28.7	43.1
249	30.1	25.4	38.0





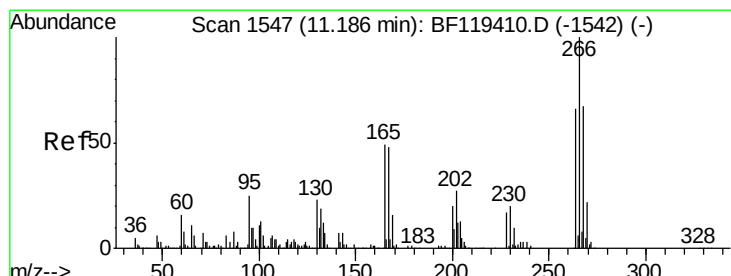
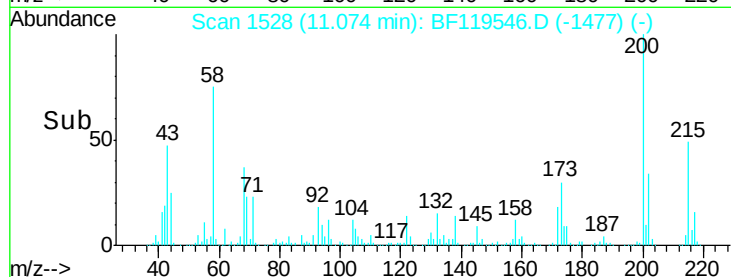
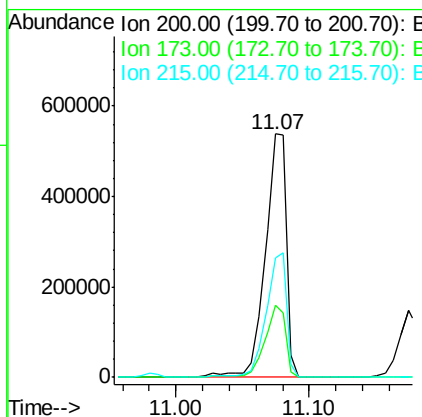
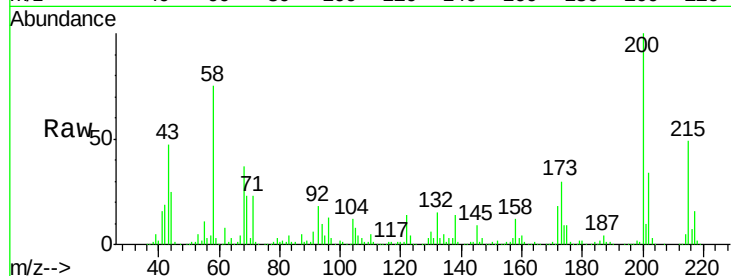
#69
 Atrazine
 Concen: 56.821 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	29.9	9.9	49.9
215	49.0	29.4	69.4

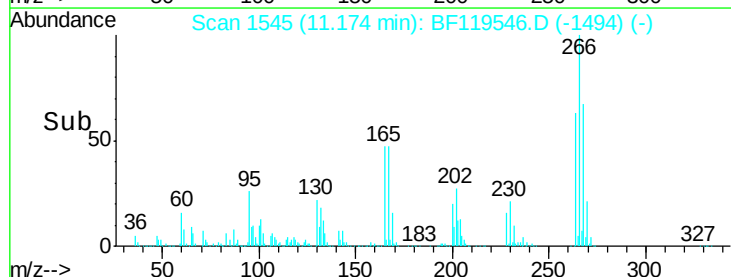
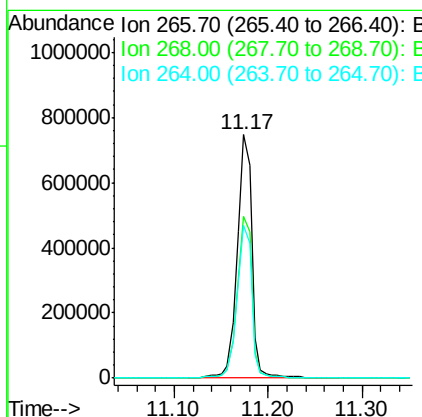
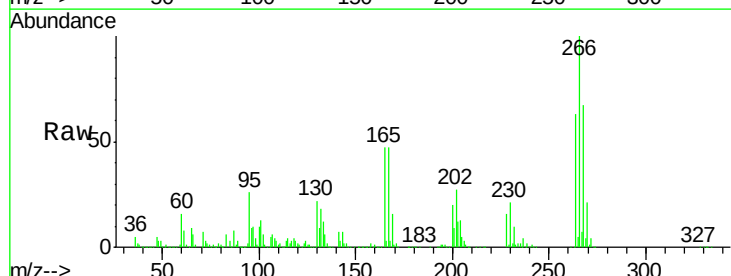
Manual Integrations
 APPROVED

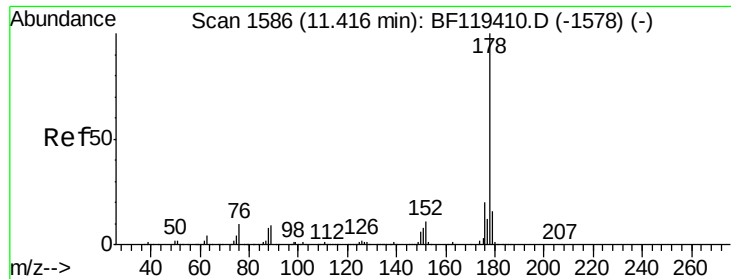
mohammad
 3/30/2020 8:50:48 AM



#70
 Pentachlorophenol
 Concen: 103.292 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	66.7	53.7	80.5
264	62.6	52.5	78.7





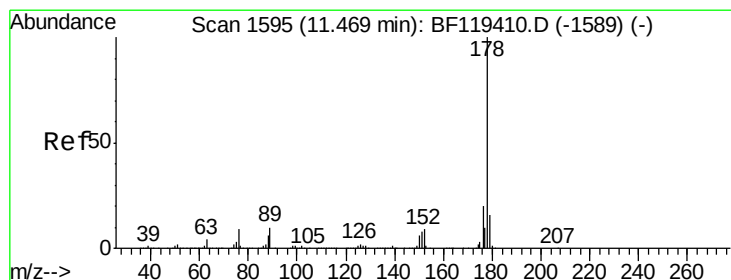
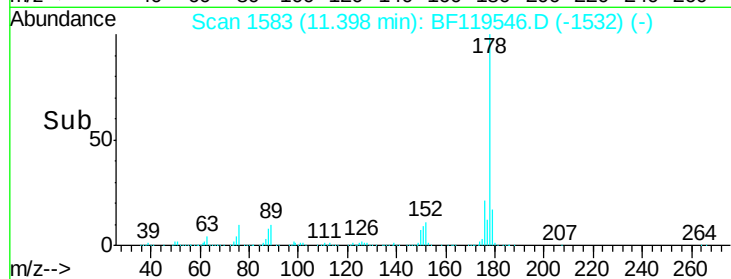
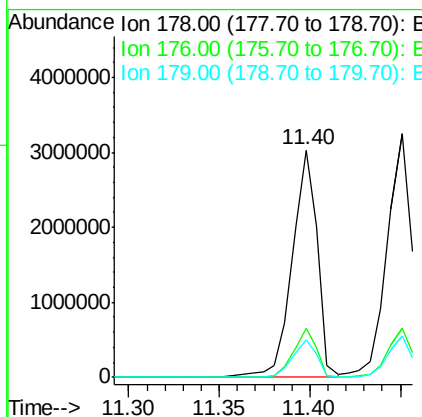
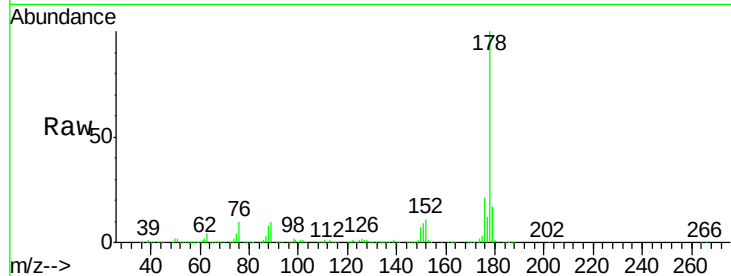
#71
Phenanthrene
Concen: 49.508 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion:178 Resp: 2956573
Ion Ratio Lower Upper
178 100
176 21.4 16.2 24.4
179 16.8 12.9 19.3

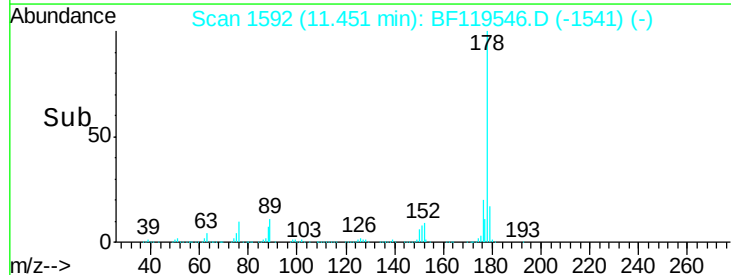
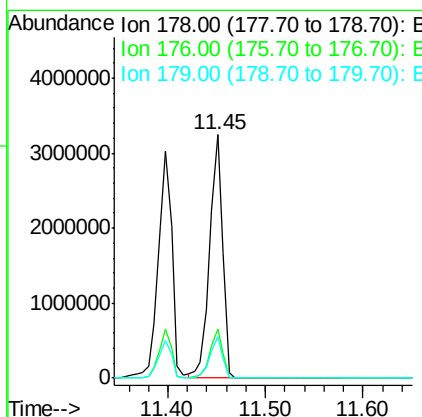
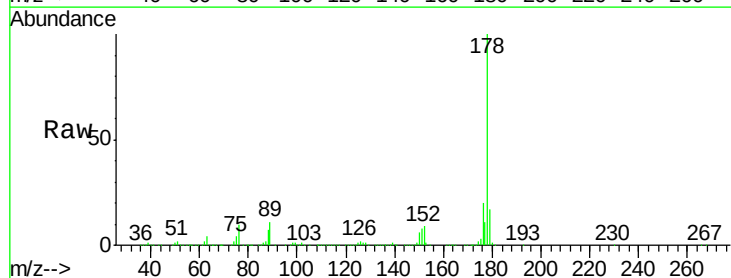
Manual Integrations
APPROVED

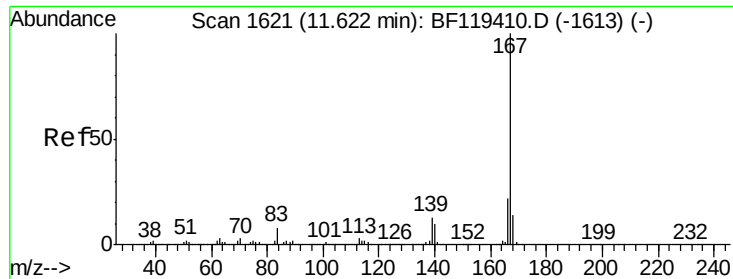
mohammad
3/30/2020 8:50:48 AM



#72
Anthracene
Concen: 49.350 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion:178 Resp: 2995272
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 16.9 13.1 19.7





#73

Carbazole

Concen: 47.210 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

ClientSampleId :

CL-02-032520MS

Tot Ion:167 Resp: 2836173

Ion Ratio Lower Upper

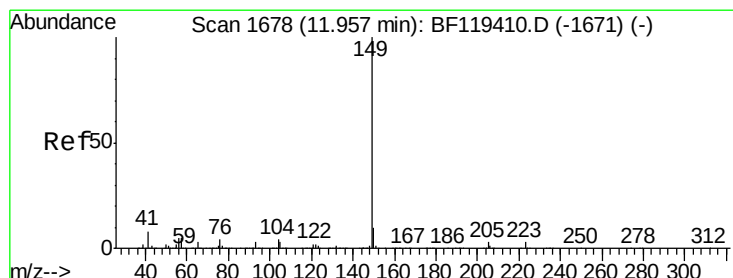
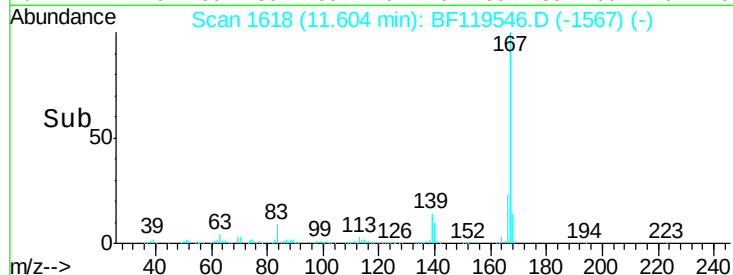
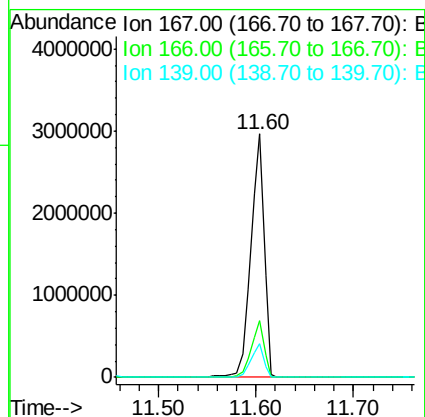
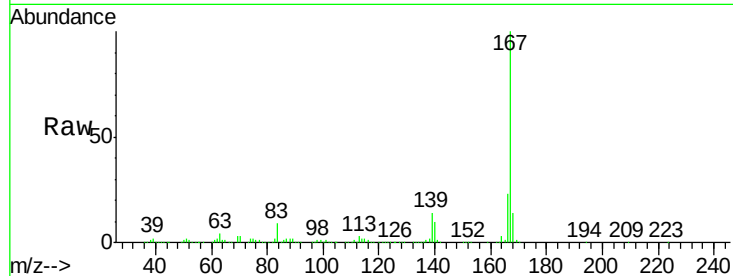
167 100

166 23.3 17.8 26.6

139 13.9 10.2 15.4

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#74

Di-n-butylphthalate

Concen: 53.352 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

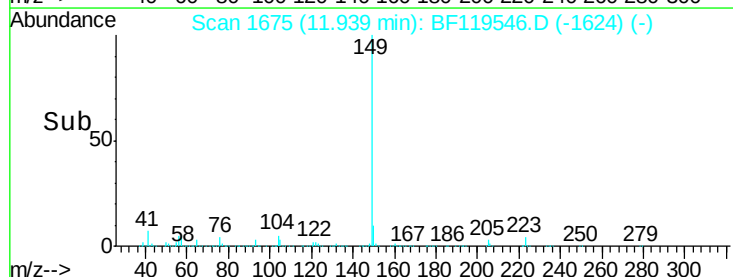
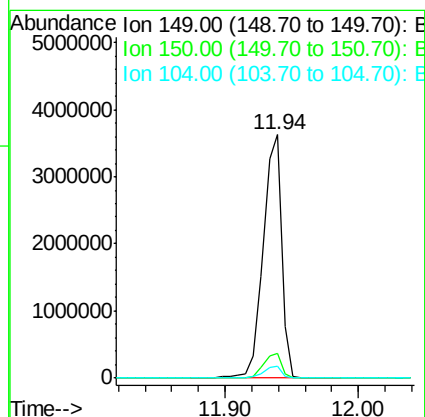
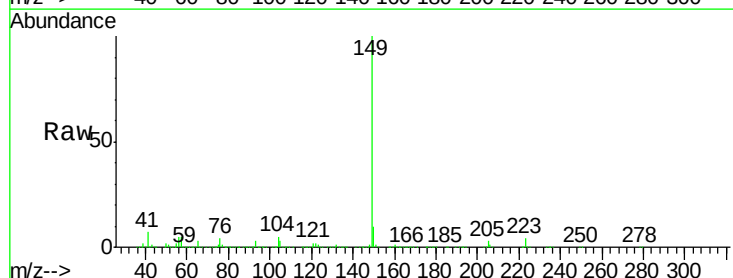
Tgt Ion:149 Resp: 3428680

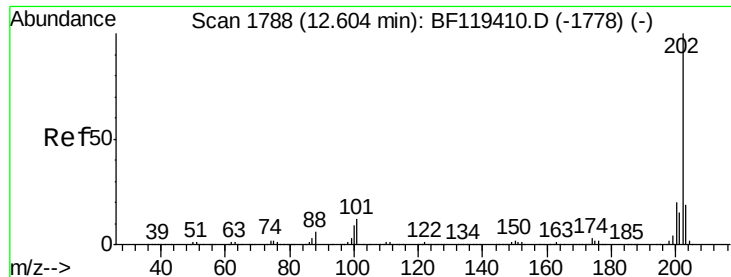
Ion Ratio Lower Upper

149 100

150 10.0 7.6 11.4

104 4.7 3.5 5.3





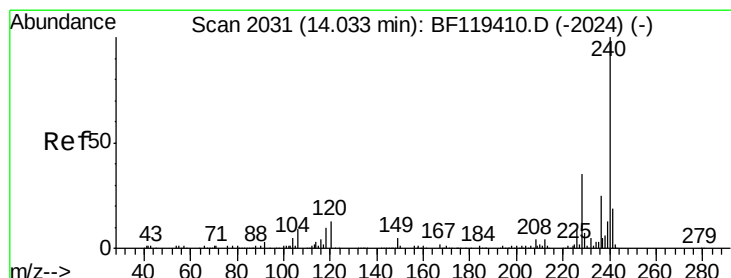
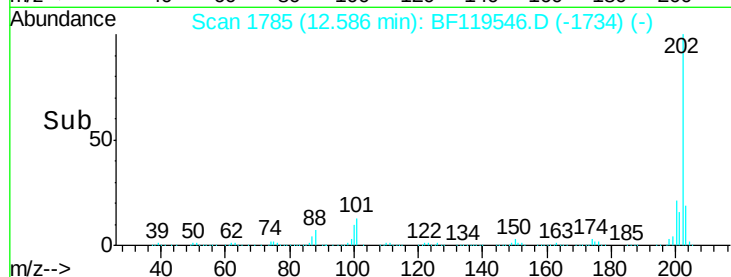
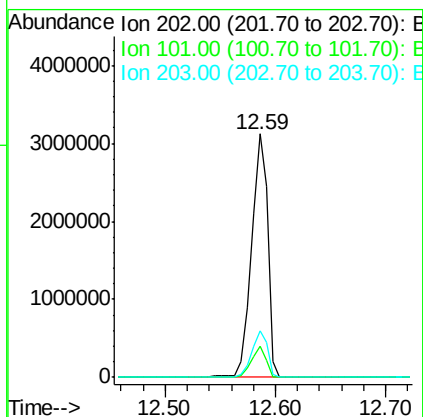
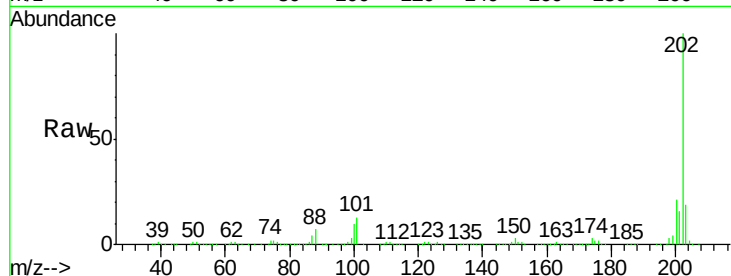
#75
Fluoranthene
Concen: 49.549 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	3202359		
101	13.0		0.0	32.4
203	19.2		0.0	38.5

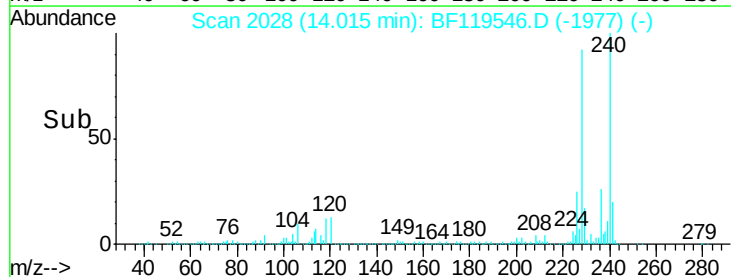
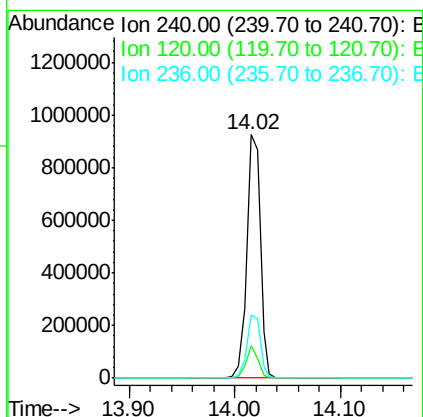
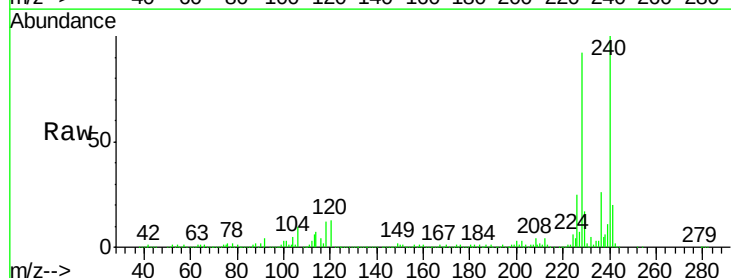
Manual Integrations
APPROVED

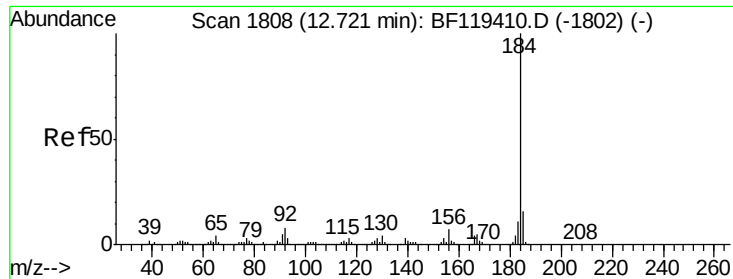
mohammad
3/30/2020 8:50:48 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	818871		
120	13.5		10.2	15.4
236	25.8		20.4	30.6





#77

Benzidine

Concen: 13.756 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

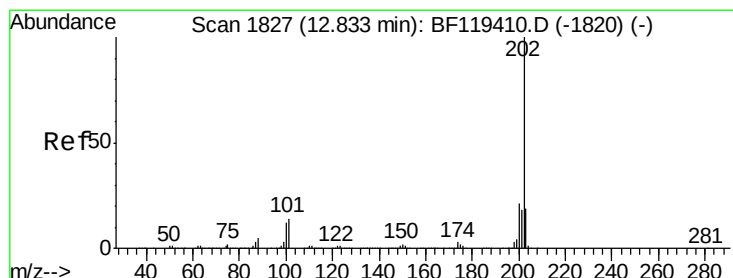
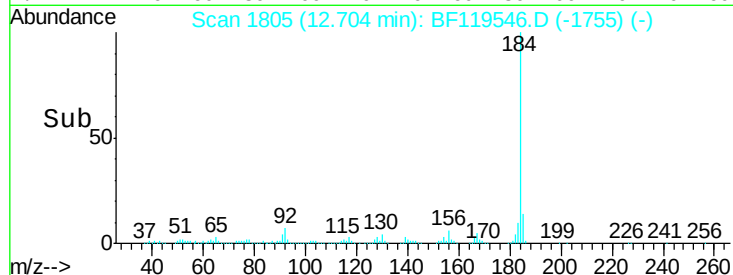
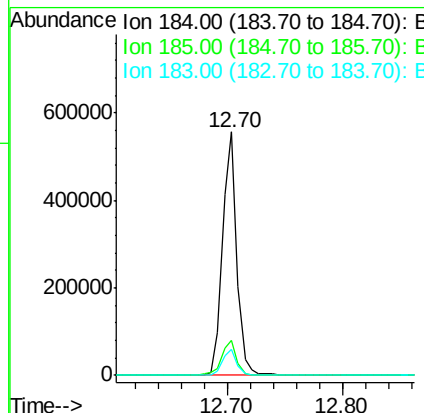
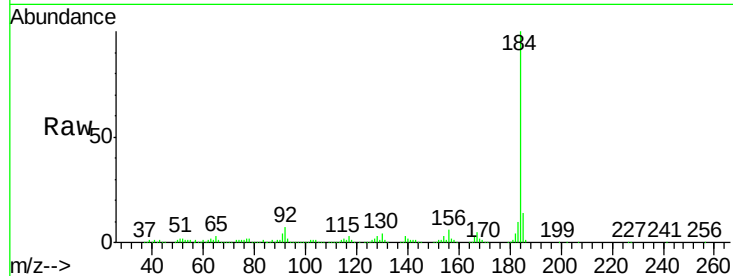
ClientSampleId :

CL-02-032520MS

Tot Ion:	184	Resp:	476719
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.9	19.3
183	10.4	9.0	13.4

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#78

Pyrene

Concen: 48.298 ng

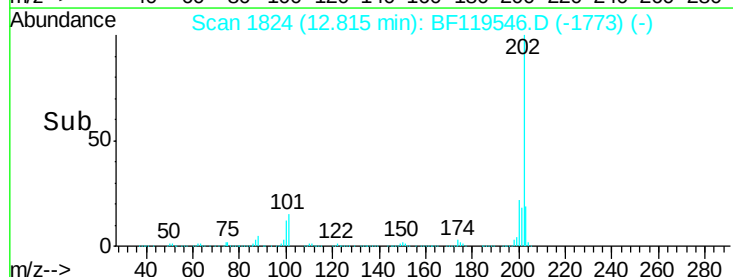
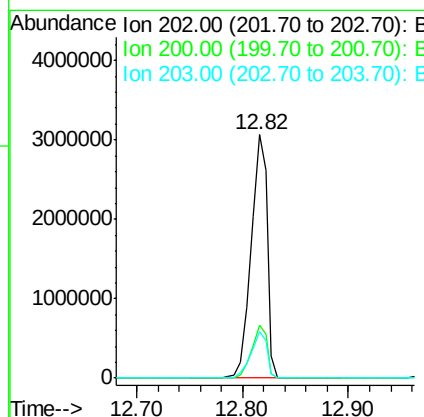
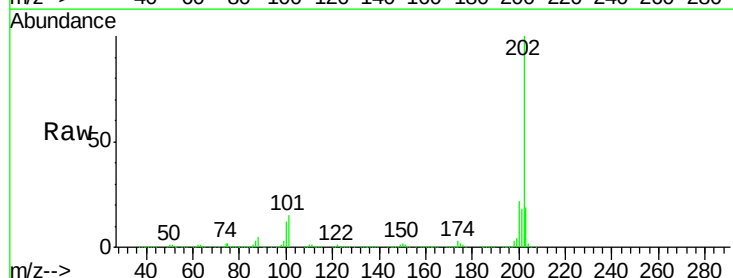
RT: 12.82 min Scan# 1824

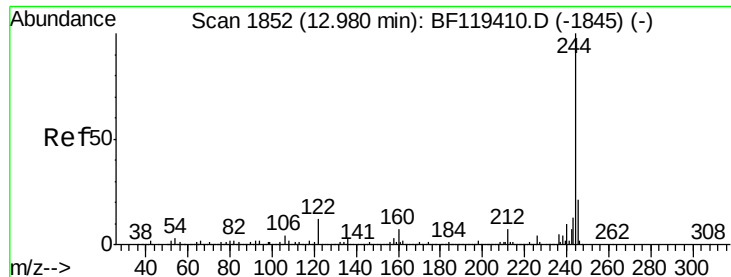
Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion:	202	Resp:	3245822
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.8	25.2
203	19.0	14.8	22.2





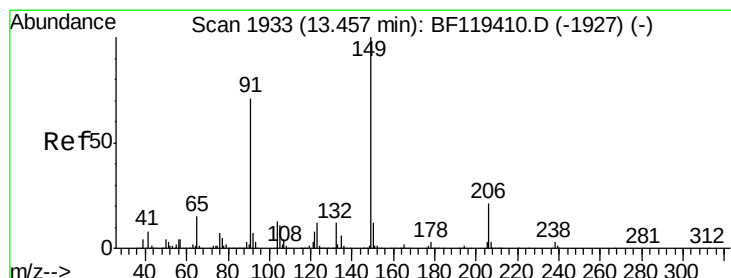
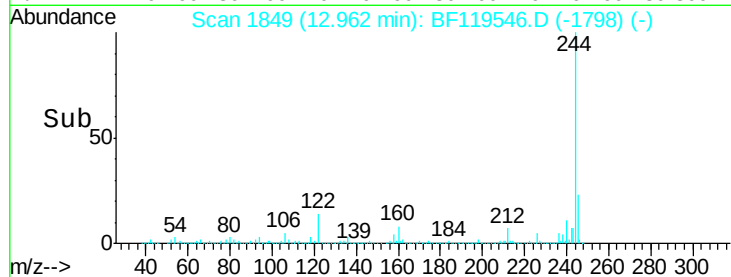
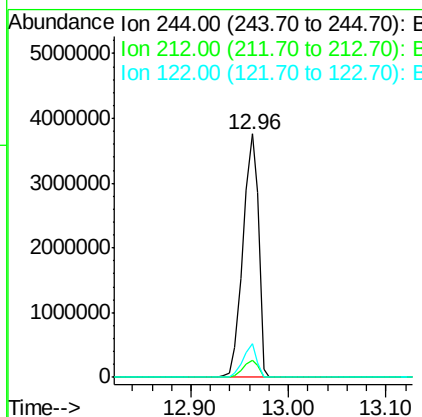
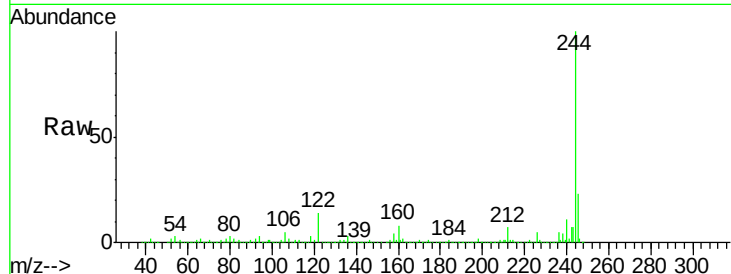
#79
Terphenyl-d14
Concen: 99.501 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion:244 Resp: 4158726
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 13.7 9.8 14.8

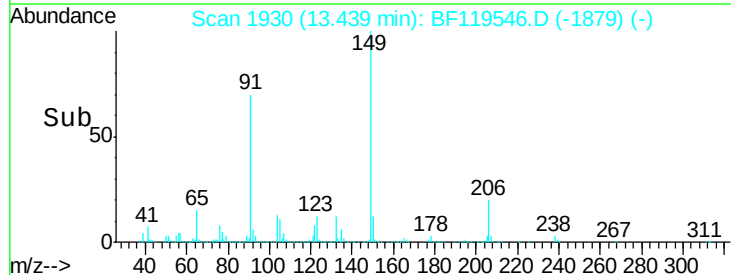
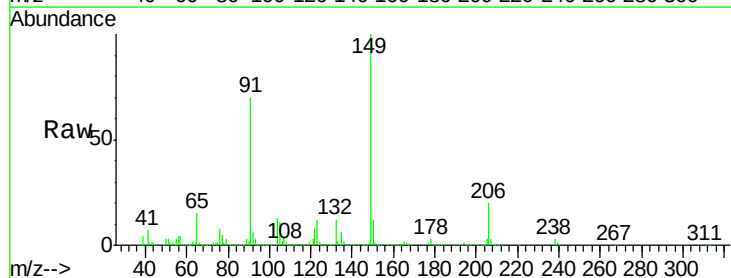
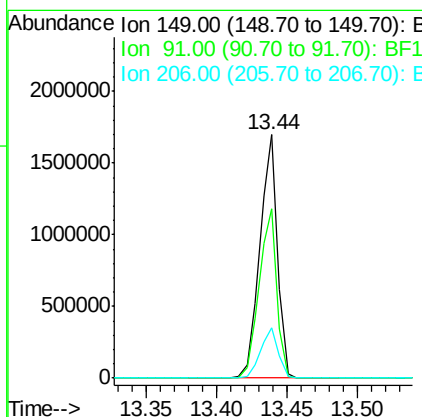
Manual Integrations
APPROVED

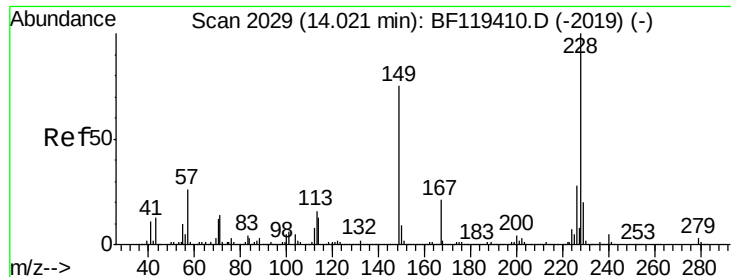
mohammad
3/30/2020 8:50:48 AM



#80
Butylbenzylphthalate
Concen: 55.092 ng
RT: 13.44 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion:149 Resp: 1497468
Ion Ratio Lower Upper
149 100
91 69.8 57.0 85.6
206 20.4 16.4 24.6





#81

Benzo(a)anthracene

Concen: 47.467 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

ClientSampleId :

CL-02-032520MS

Tot Ion:228 Resp: 2527594

Ion Ratio Lower Upper

228 100

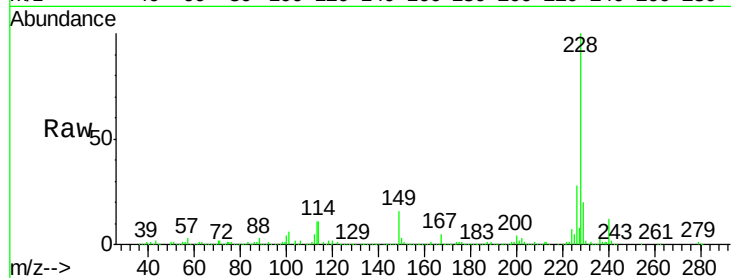
226 28.4 22.3 33.5

229 20.4 16.3 24.5

Manual Integrations
APPROVED

mohammad

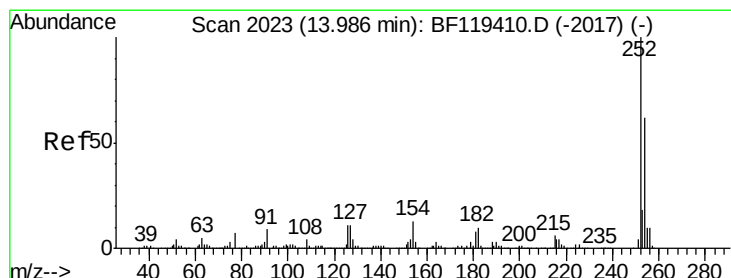
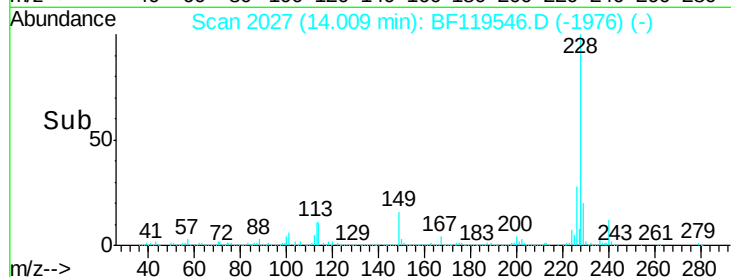
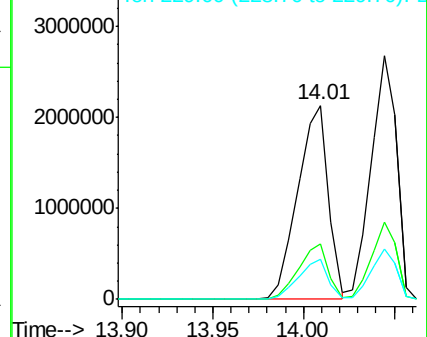
3/30/2020 8:50:48 AM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 15.765 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

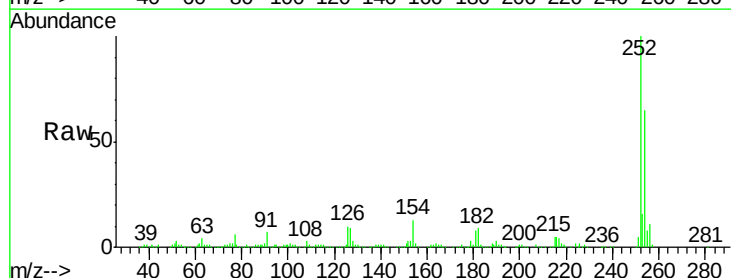
Tgt Ion:252 Resp: 331005

Ion Ratio Lower Upper

252 100

254 65.3 49.8 74.8

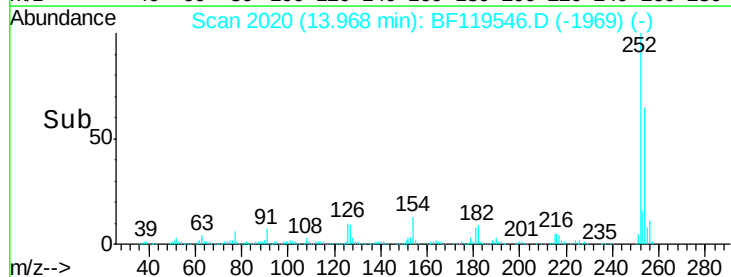
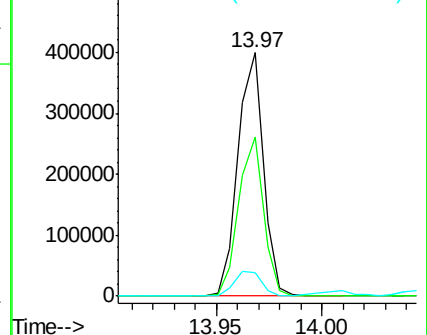
126 9.9 8.9 13.3

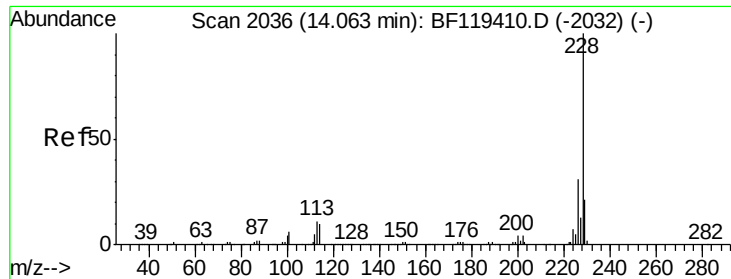


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





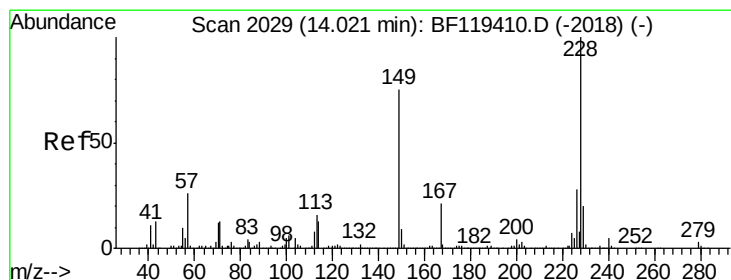
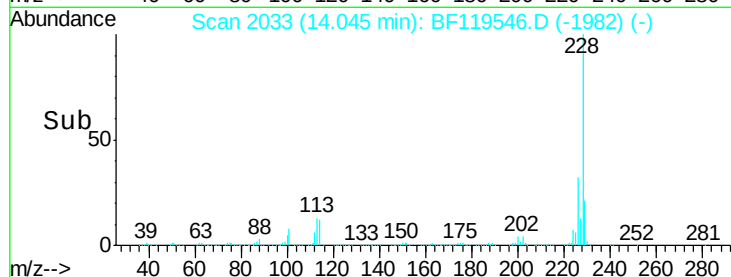
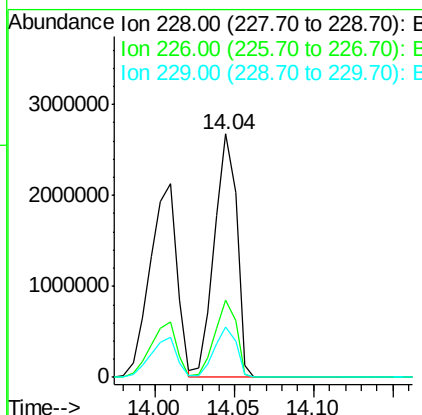
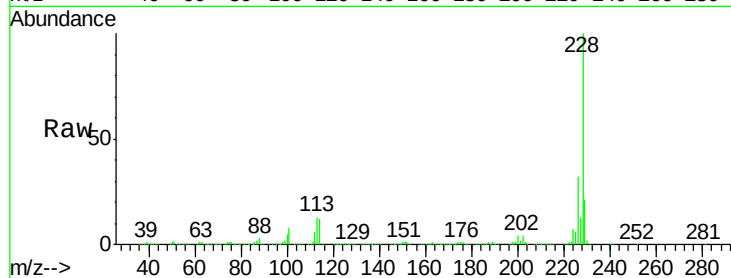
#83
 Chrysene
 Concen: 47.893 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-032520MS

Tot Ion:228 Resp: 2632028
 Ion Ratio Lower Upper
 228 100
 226 31.8 24.8 37.2
 229 20.9 16.6 25.0

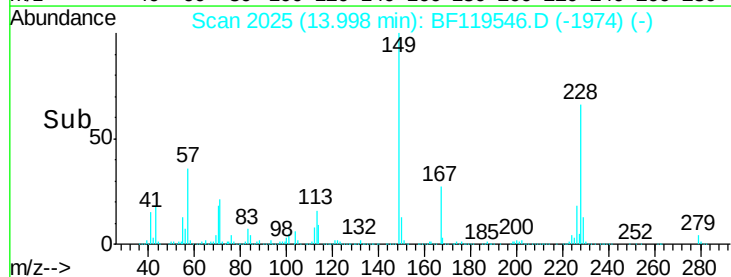
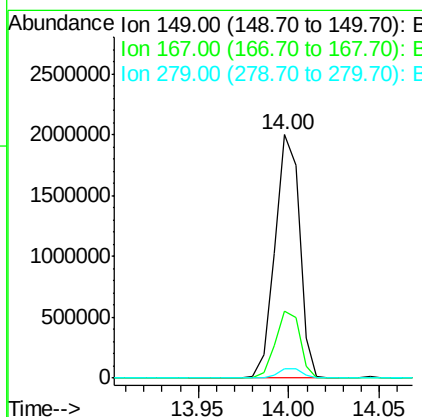
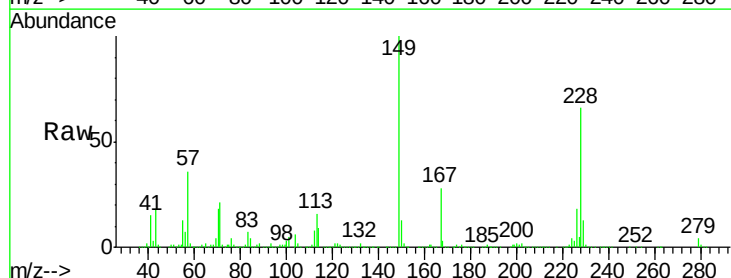
Manual Integrations
 APPROVED

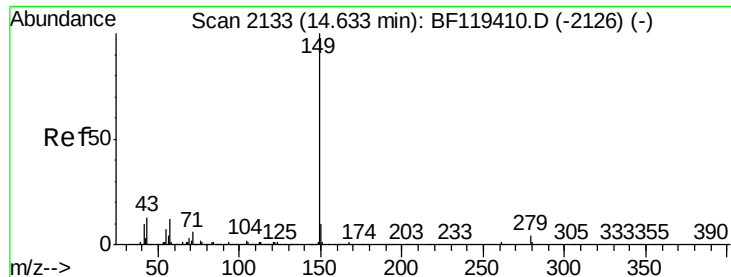
mohammad
 3/30/2020 8:50:48 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 58.144 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BF119546.D
 Acq: 26 Mar 2020 22:53

Tgt Ion:149 Resp: 1883987
 Ion Ratio Lower Upper
 149 100
 167 27.5 22.0 33.0
 279 3.7 3.2 4.8





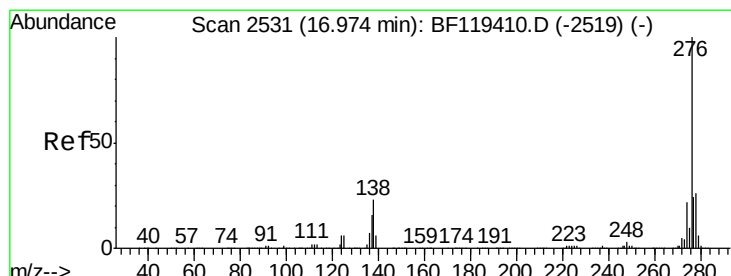
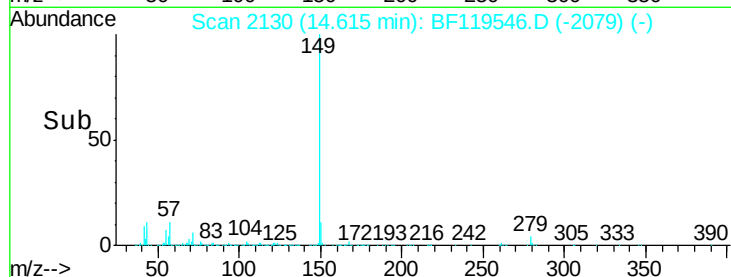
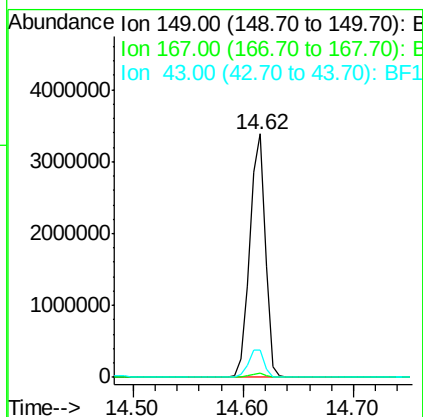
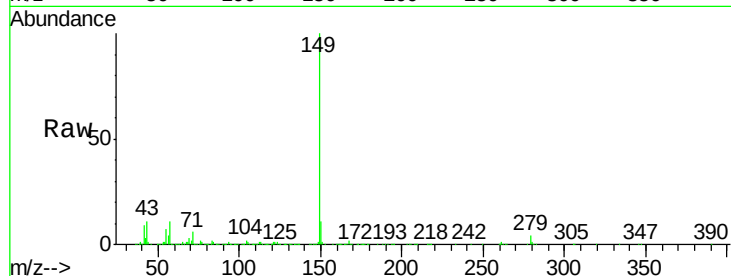
#85
Di-n-octyl phthalate
Concen: 58.911 ng
RT: 14.62 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.6	10.1	15.1

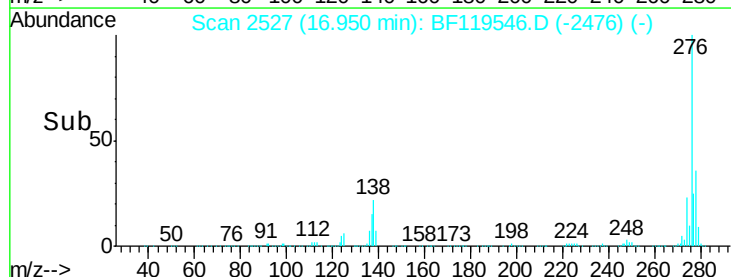
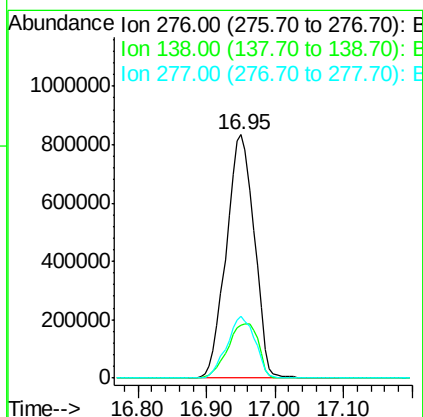
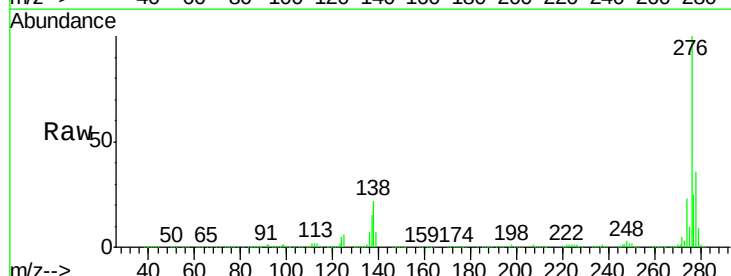
Manual Integrations
APPROVED

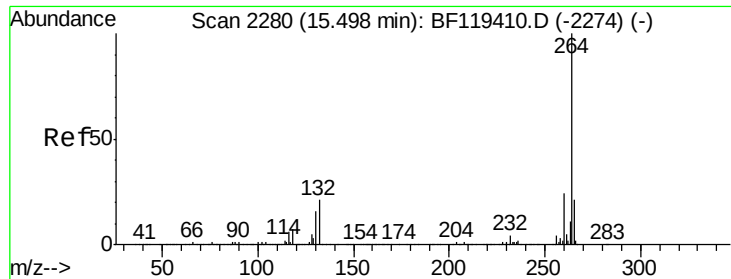
mohammad
3/30/2020 8:50:48 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 45.608 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	21.3	31.9
277	25.4	20.2	30.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Instrument :

BNA_F

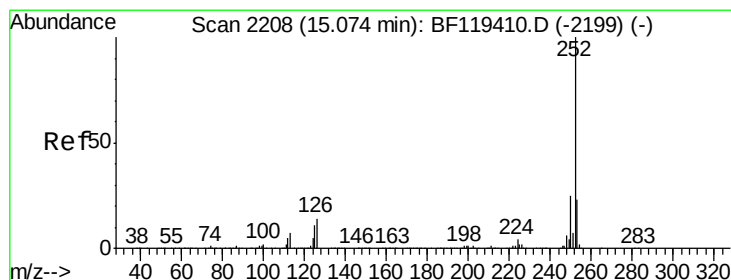
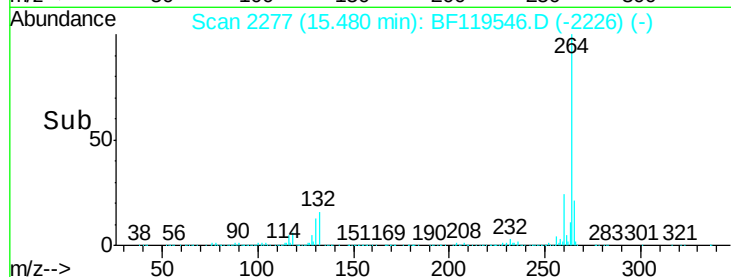
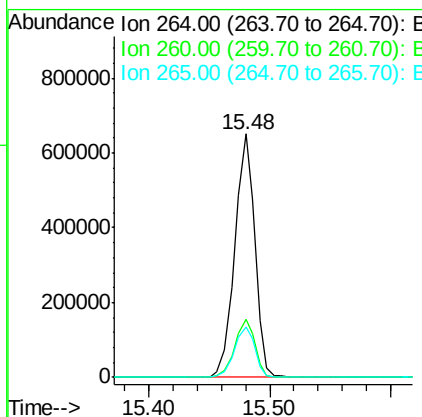
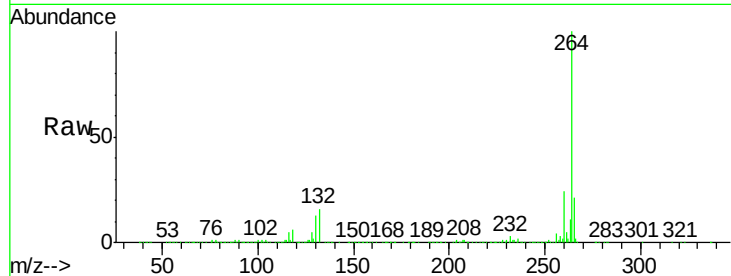
ClientSampleId :

CL-02-032520MS

Tot Ion:	264	Resp:	753483
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	20.6	16.9	25.3

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#88

Benzo(b)fluoranthene

Concen: 50.842 ng

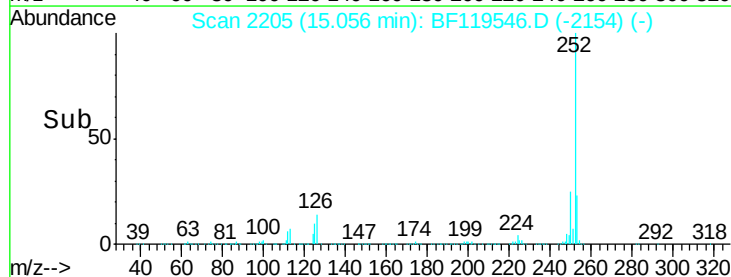
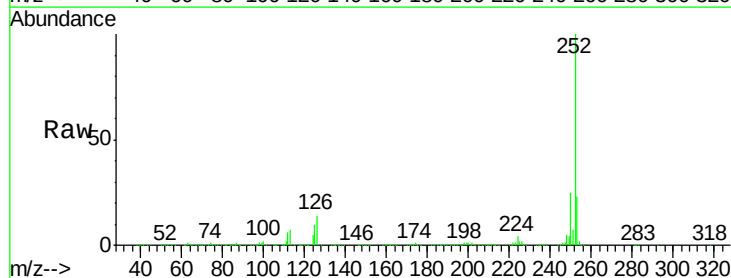
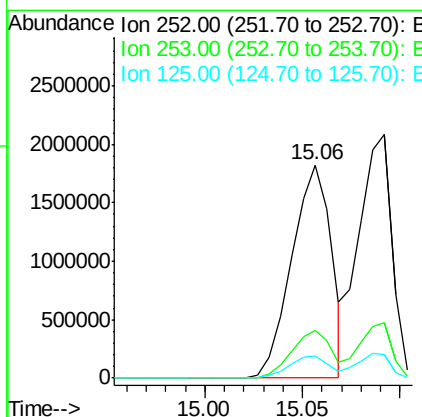
RT: 15.06 min Scan# 2205

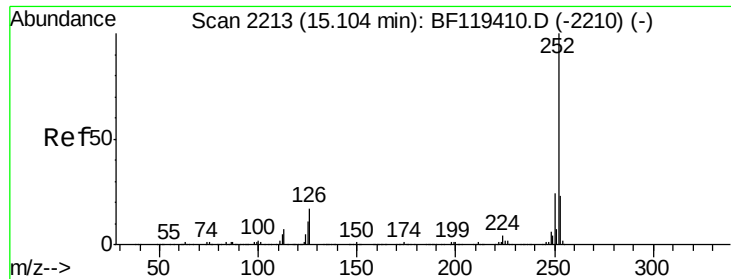
Delta R.T. -0.00 min

Lab File: BF119546.D

Acq: 26 Mar 2020 22:53

Tgt Ion:	252	Resp:	2558995
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.4
125	10.4	8.8	13.2





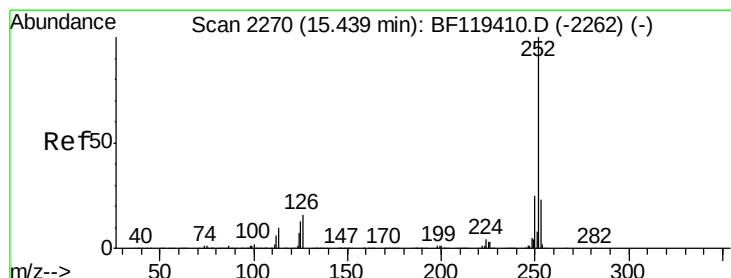
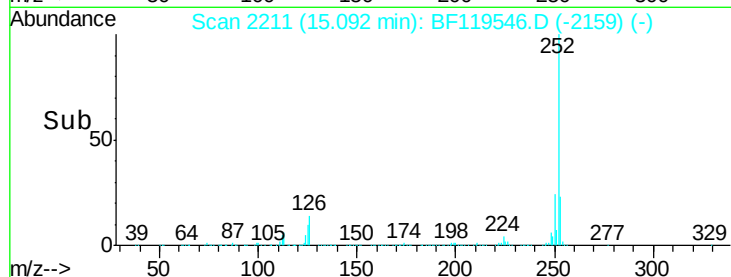
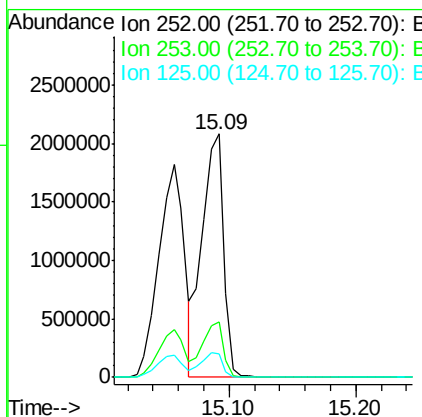
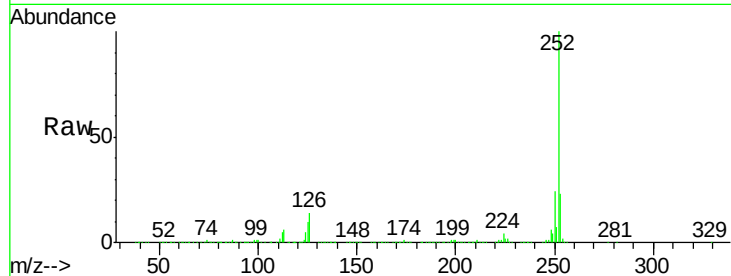
#89
Benzo(k)fluoranthene
Concen: 51.364 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	9.8	9.0	13.4

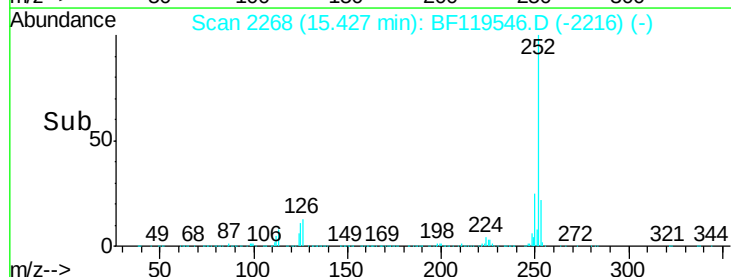
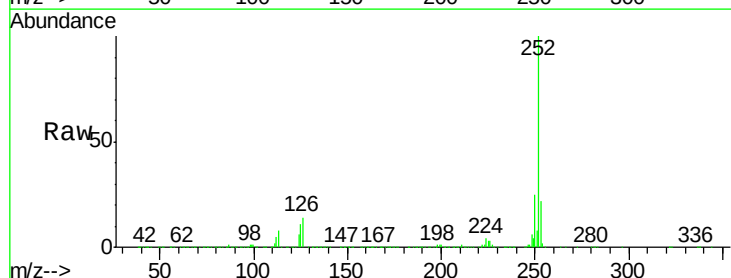
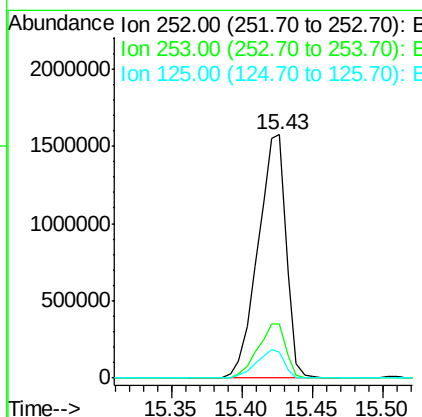
Manual Integrations
APPROVED

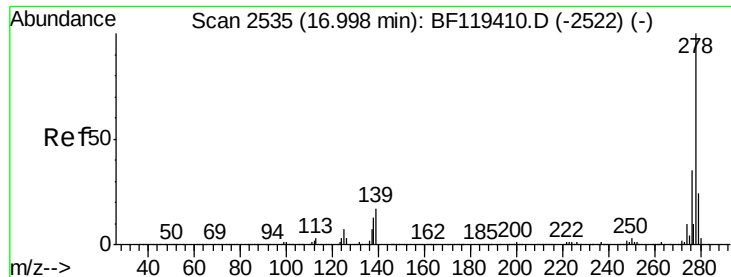
mohammad
3/30/2020 8:50:48 AM



#90
Benzo(a)pyrene
Concen: 48.397 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	10.6	10.2	15.2





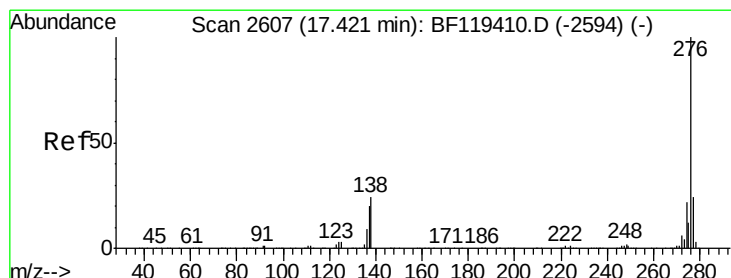
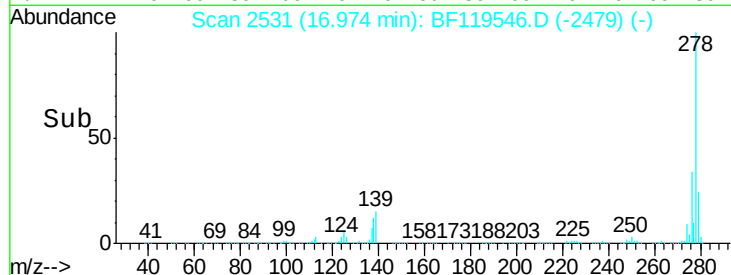
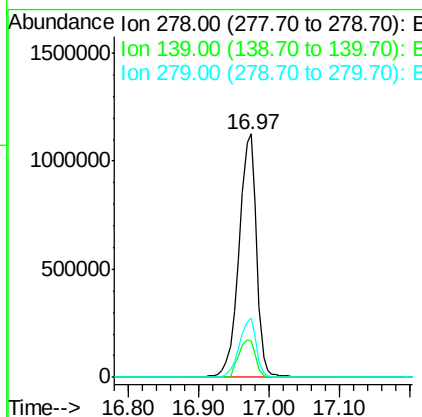
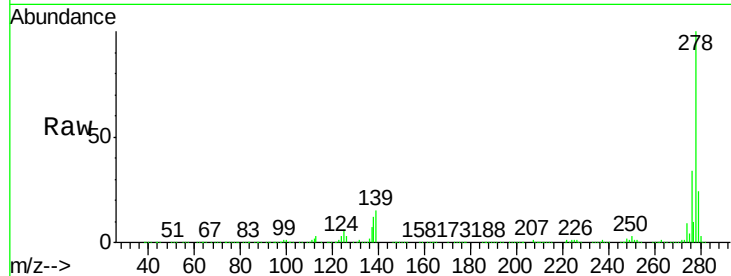
#91
Dibenzo(a,h)anthracene
Concen: 48.747 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Instrument :
BNA_F
ClientSampleId :
CL-02-032520MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.7	20.5
279	24.2	19.2	28.8

Manual Integrations
APPROVED

mohammad
3/30/2020 8:50:48 AM



#92
Benzo(g,h,i)perylene
Concen: 48.598 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BF119546.D
Acq: 26 Mar 2020 22:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	21.9	19.1	28.7

