

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
 Data File : BF115466.D
 Acq On : 10 Jul 2019 20:23
 Operator : HP/JU
 Sample : K3627-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Manual Integrations
 APPROVED

mohammad
 7/11/2019 5:22:17 PM

Quant Time: Jul 11 07:53:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	133622	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	512511	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	258197	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	515825	20.00	ng	0.00
76) Chrysene-d12	14.06	240	361496	20.00	ng	-0.01
87) Perylene-d12	15.53	264	355574	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	906405	104.80	ng	0.01
7) Phenol-d6	6.52	99	1085479	98.69	ng	0.00
23) Nitrobenzene-d5	7.46	82	830645	95.76	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	388148	135.96	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1501307	102.03	ng	0.00
79) Terphenyl-d14	13.00	244	1759461	99.66	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.82	88	142557	33.605	ng	# 87
3) Pyridine	3.53	79	311742	26.576	ng	99
4) n-Nitrosodimethylamine	3.47	42	152806	32.125	ng	100
6) Aniline	6.56	93	134048	8.636	ng	98
8) 2-Chlorophenol	6.68	128	384955	39.420	ng	99
9) Benzaldehyde	6.44	77	198017	29.534	ng	97
10) Phenol	6.53	94	397933	30.238	ng	100
11) bis(2-Chloroethyl)ether	6.63	93	380593	38.984	ng	97
12) 1,3-Dichlorobenzene	6.84	146	424522	39.679	ng	99
13) 1,4-Dichlorobenzene	6.92	146	431414	40.256	ng	99
14) 1,2-Dichlorobenzene	7.07	146	402314	40.547	ng	98
15) Benzyl Alcohol	7.03	79	346405	39.247	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.17	45	501983	36.773	ng	99
17) 2-Methylphenol	7.15	107	317106	37.903	ng	99
18) Hexachloroethane	7.41	117	155939	39.060	ng	92
19) n-Nitroso-di-n-propylamine	7.30	70	275629	37.040	ng	95
20) 3+4-Methylphenols	7.29	107	384236	38.881	ng	96
22) Acetophenone	7.30	105	542826	44.201	ng	# 99
24) Nitrobenzene	7.47	77	431888	44.086	ng	100
25) Isophorone	7.72	82	779492	41.458	ng	99
26) 2-Nitrophenol	7.79	139	210979	52.384	ng	97
27) 2,4-Dimethylphenol	7.83	122	340836	44.380	ng	99
28) bis(2-Chloroethoxy)methane	7.92	93	473575	40.846	ng	100
29) 2,4-Dichlorophenol	8.03	162	342051	44.717	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	373427	43.852	ng	98
31) Naphthalene	8.20	128	1155518	45.392	ng	100
32) Benzoic acid	7.92	122	164424	31.731	ng	97
33) 4-Chloroaniline	8.24	127	51986	4.577	ng	97
34) Hexachlorobutadiene	8.32	225	209879	43.460	ng	98
35) Caprolactam	8.60	113	79778m	32.022	ng	
36) 4-Chloro-3-methylphenol	8.72	107	359491	44.431	ng	97
37) 2-Methylnaphthalene	8.89	142	769640	45.232	ng	98
38) 1-Methylnaphthalene	8.99	142	728576	44.878	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	340580	45.851	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
 Data File : BF115466.D
 Acq On : 10 Jul 2019 20:23
 Operator : HP/JU
 Sample : K3627-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TR-05-070819MSD

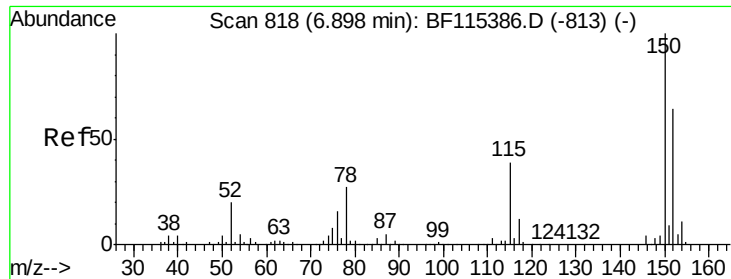
Manual Integrations
 APPROVED

mohammad
 7/11/2019 5:22:17 PM

Quant Time: Jul 11 07:53:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	388570	90.256	ng	100
43) 2,4,6-Trichlorophenol	9.17	196	246243	45.535	ng	98
44) 2,4,5-Trichlorophenol	9.20	196	265579	47.362	ng	96
46) 1,1'-Biphenyl	9.36	154	942498	46.433	ng	98
47) 2-Chloronaphthalene	9.38	162	751900	44.820	ng	99
48) 2-Nitroaniline	9.47	65	226040	45.861	ng	96
49) Acenaphthylene	9.80	152	1153136	45.400	ng	98
50) Dimethylphthalate	9.65	163	864937	44.632	ng	100
51) 2,6-Dinitrotoluene	9.71	165	200641	47.738	ng	99
52) Acenaphthene	9.97	154	761578	47.642	ng	100
53) 3-Nitroaniline	9.87	138	67464	13.820	ng	98
54) 2,4-Dinitrophenol	9.98	184	148245	81.545	ng	93
55) Dibenzofuran	10.14	168	1046490	46.474	ng	99
56) 4-Nitrophenol	10.04	139	317140	83.971	ng	92
57) 2,4-Dinitrotoluene	10.12	165	276537	51.772	ng	92
58) Fluorene	10.48	166	770816	43.424	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	224484	46.342	ng	99
60) Diethylphthalate	10.36	149	839251	43.997	ng	99
61) 4-Chlorophenyl-phenylether	10.47	204	389618	44.971	ng	96
62) 4-Nitroaniline	10.49	138	209692	43.762	ng	99
63) Azobenzene	10.63	77	831281	42.277	ng	98
65) 4,6-Dinitro-2-methylphenol	10.52	198	118921	48.126	ng	97
66) n-Nitrosodiphenylamine	10.59	169	723276	44.502	ng	99
67) 4-Bromophenyl-phenylether	10.96	248	249621	43.128	ng	96
68) Hexachlorobenzene	11.03	284	279898	43.096	ng	96
69) Atrazine	11.12	200	236139	46.947	ng	99
70) Pentachlorophenol	11.22	266	304342	76.890	ng	99
71) Phenanthrene	11.44	178	1208881	44.561	ng	100
72) Anthracene	11.50	178	1257766	46.235	ng	99
73) Carbazole	11.64	167	1129495	45.385	ng	100
74) Di-n-butylphthalate	11.98	149	1322422	43.967	ng	99
75) Fluoranthene	12.63	202	1304498	45.669	ng	97
77) Benzidine	12.74	184	186344	13.219	ng	# 95
78) Pyrene	12.86	202	1324250	47.107	ng	99
80) Butylbenzylphthalate	13.47	149	567582	46.210	ng	99
81) Benzo(a)anthracene	14.04	228	1043991	45.073	ng	99
82) 3,3'-Dichlorobenzidine	14.00	252	117456	13.975	ng	96
83) Chrysene	14.09	228	1078298	45.309	ng	100
84) Bis(2-ethylhexyl)phthalate	14.04	149	703287	46.236	ng	100
85) Di-n-octyl phthalate	14.65	149	1202065	44.392	ng	99
86) Indeno(1,2,3-cd)pyrene	17.02	276	1159119	61.648	ng	99
88) Benzo(b)fluoranthene	15.10	252	1007125	43.502	ng	99
89) Benzo(k)fluoranthene	15.13	252	933950	45.361	ng	99
90) Benzo(a)pyrene	15.47	252	920821	46.115	ng	98
91) Dibenzo(a,h)anthracene	17.04	278	949559	55.650	ng	99
92) Benzo(g,h,i)perylene	17.47	276	990167	61.309	ng	98

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



#1

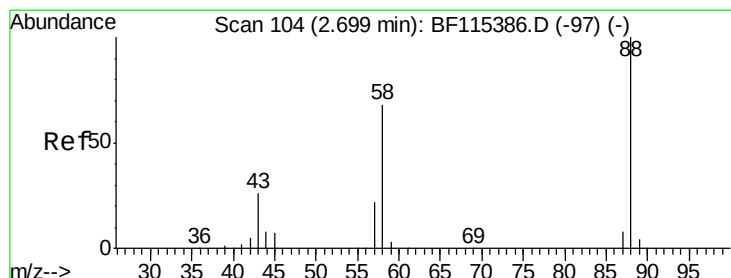
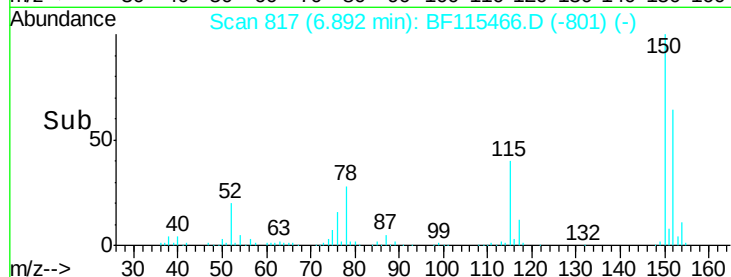
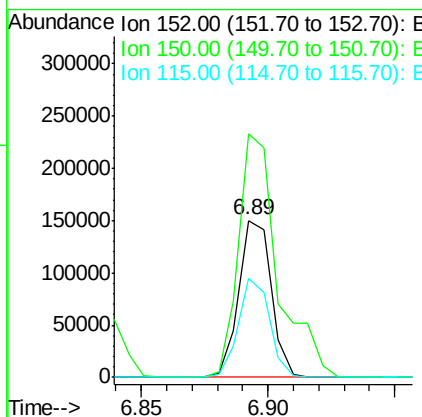
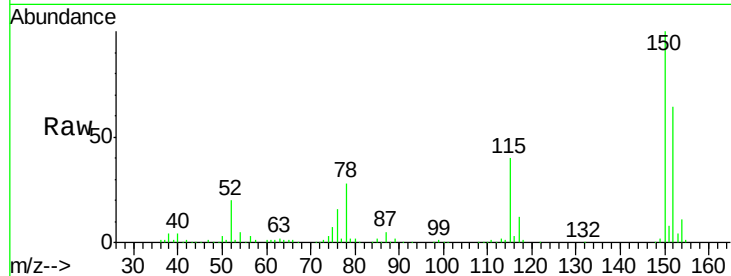
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	127.4	191.2
115	62.8	46.2	69.4

Manual Integrations
APPROVED

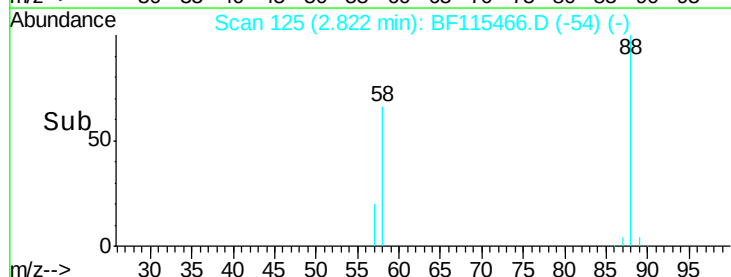
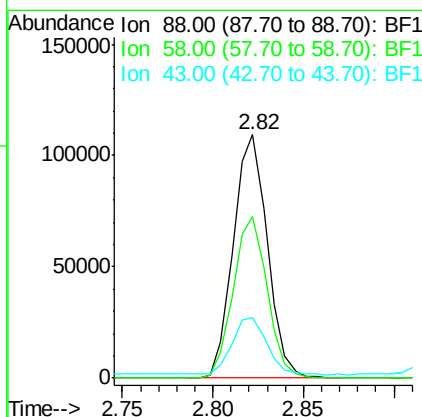
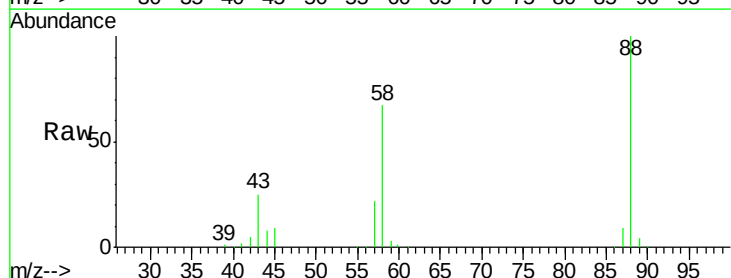
mohammad
7/11/2019 5:22:17 PM

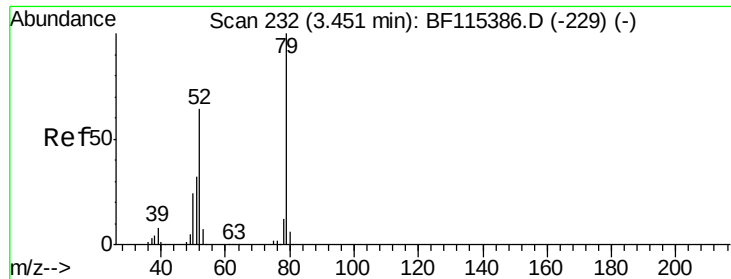


#2

1,4-Dioxane
Concen: 33.605 ng
RT: 2.82 min Scan# 125
Delta R.T. 0.12 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.2	52.5	78.7
43	0.0	19.0	28.6





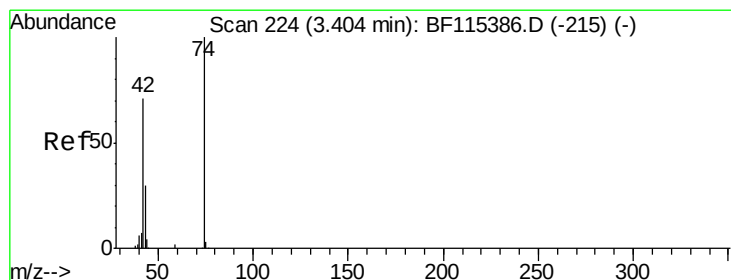
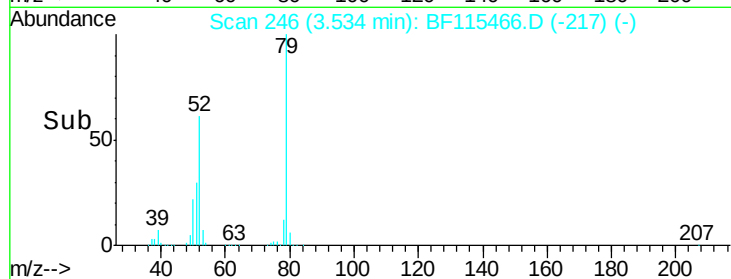
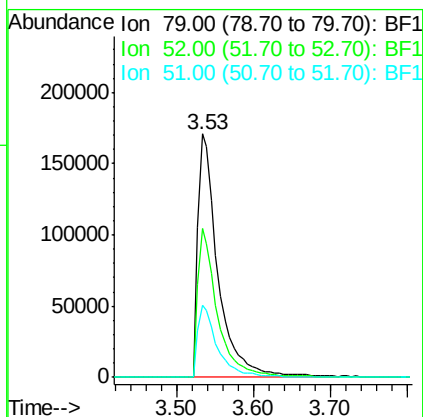
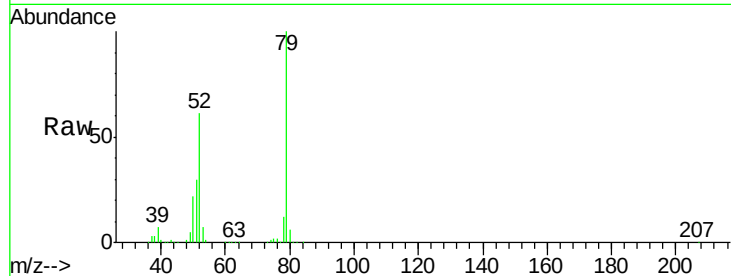
#3
 Pyridine
 Concen: 26.576 ng
 RT: 3.53 min Scan# 246
 Delta R.T. 0.07 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
79	100		
52	60.9	48.2	72.2
51	29.6	23.2	34.8

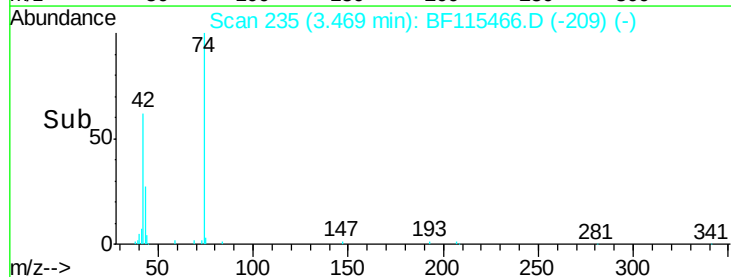
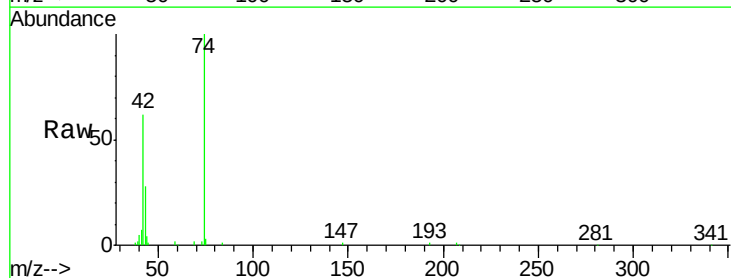
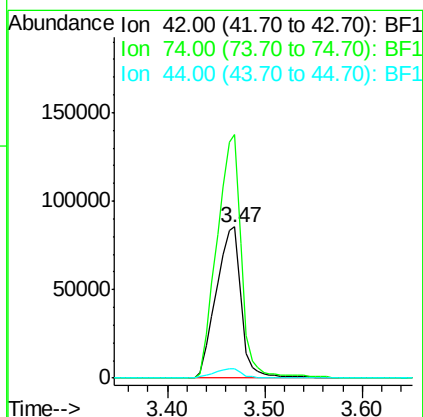
Manual Integrations
 APPROVED

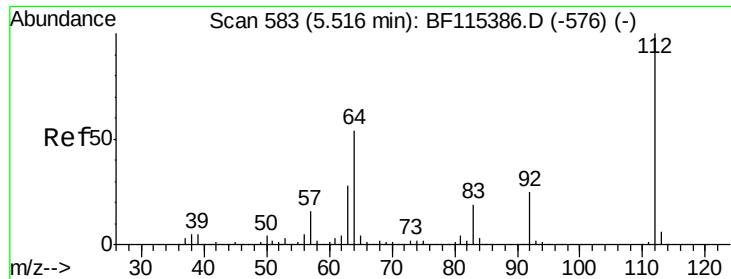
mohammad
 7/11/2019 5:22:17 PM



#4
 n-Nitrosodimethylamine
 Concen: 32.125 ng
 RT: 3.47 min Scan# 235
 Delta R.T. 0.05 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
42	100		
74	160.8	128.5	192.7
44	6.2	5.3	7.9





#5

2-Fluorophenol

Concen: 104.805 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

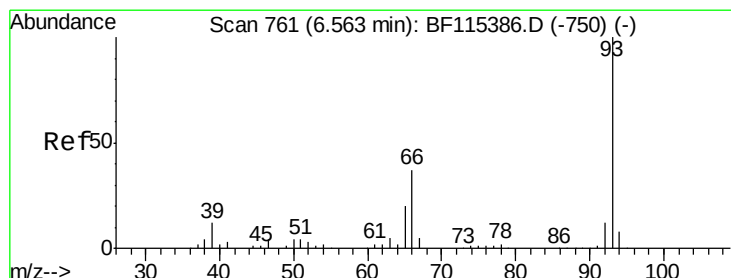
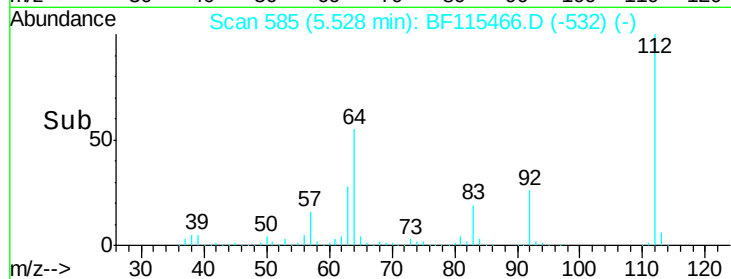
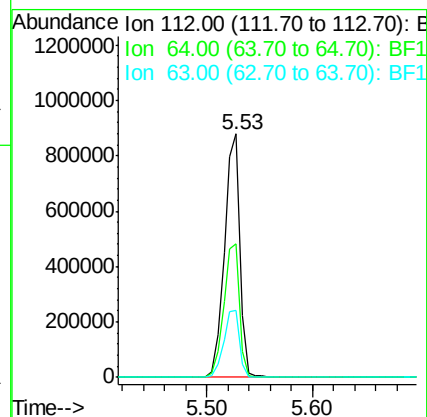
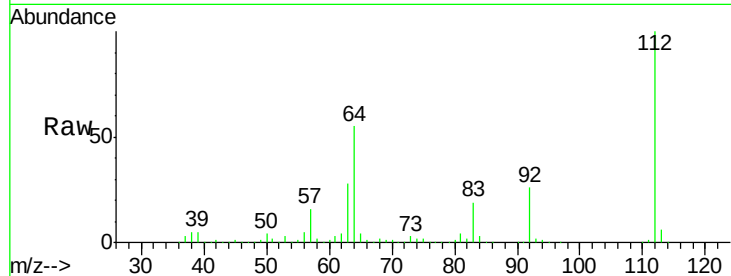
ClientSampleId :

TR-05-070819MSD

Tgt Ion:	112	Resp:	906405
Ion Ratio	Lower	Upper	
112	100		
64	54.8	44.2	66.2
63	27.8	22.1	33.1

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



#6

Aniline

Concen: 8.636 ng

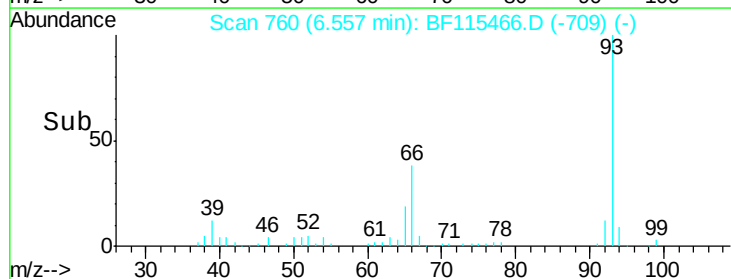
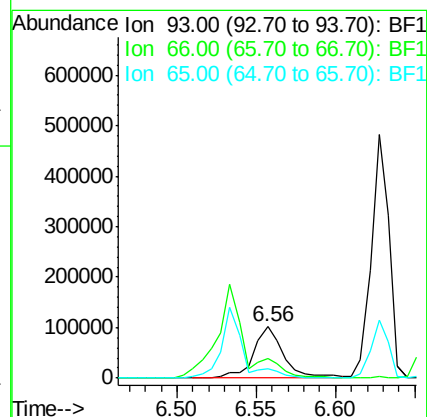
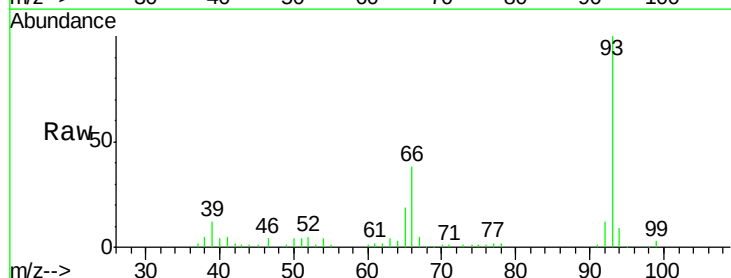
RT: 6.56 min Scan# 760

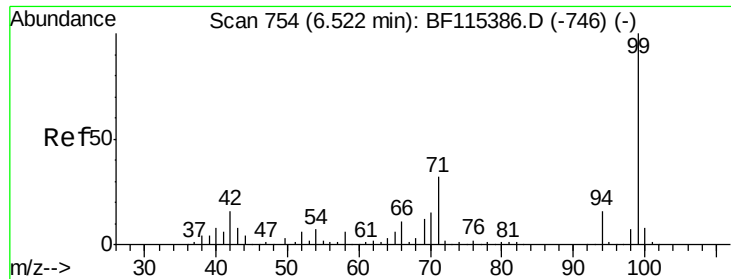
Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:	93	Resp:	134048
Ion Ratio	Lower	Upper	
93	100		
66	38.1	31.3	46.9
65	19.1	15.9	23.9





#7

Phenol-d6

Concen: 98.688 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

ClientSampleId :

TR-05-070819MSD

Tgt Ion: 99 Resp: 1085479

Ion Ratio Lower Upper

99 100

42 15.9 12.8 19.2

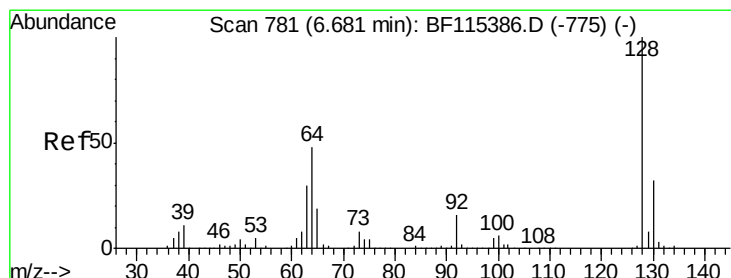
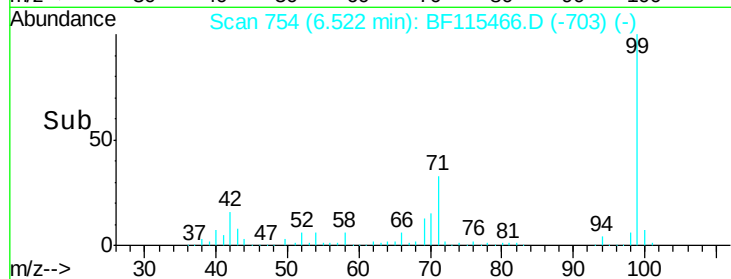
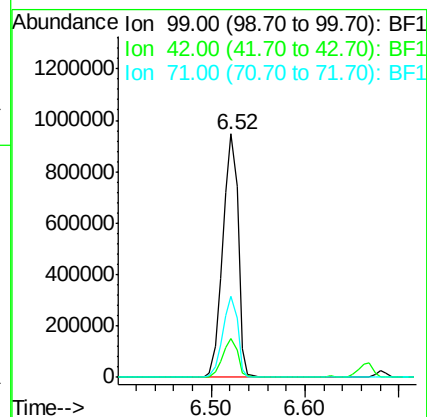
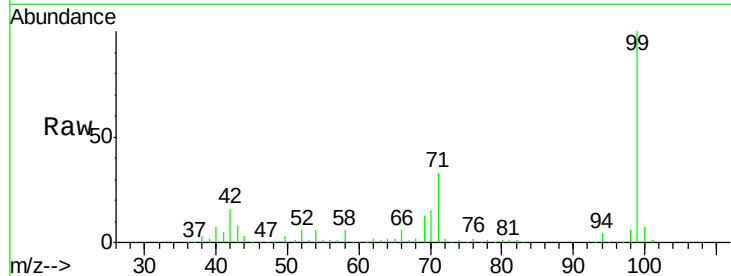
71 33.3 26.5 39.7

Manual Integrations

APPROVED

mohammad

7/11/2019 5:22:17 PM



#8

2-Chlorophenol

Concen: 39.420 ng

RT: 6.68 min Scan# 781

Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

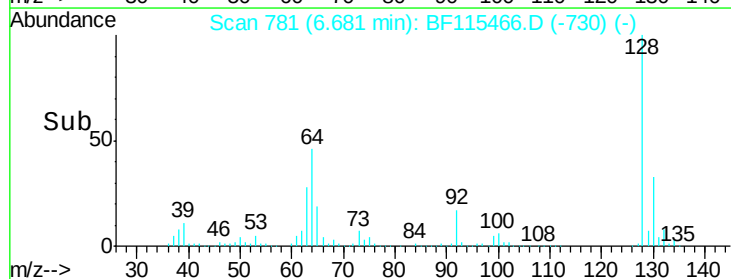
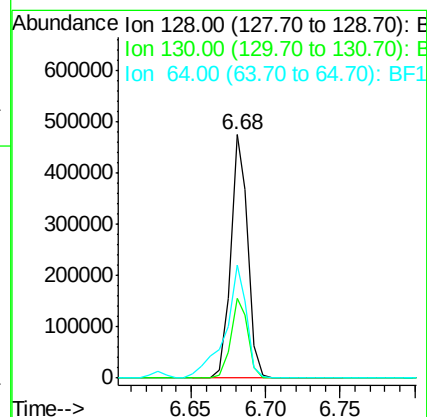
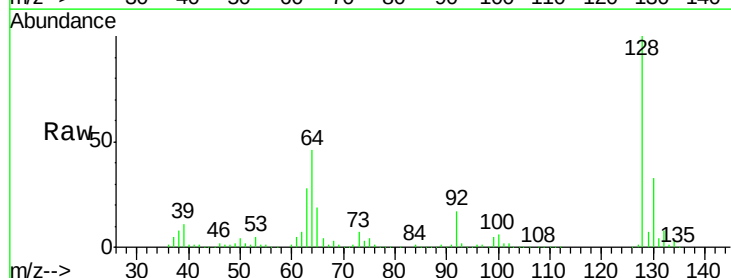
Tgt Ion: 128 Resp: 384955

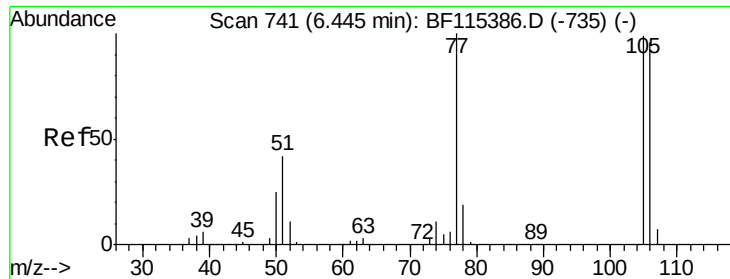
Ion Ratio Lower Upper

128 100

130 32.6 11.8 51.8

64 46.5 27.0 67.0





#9

Benzaldehyde

Concen: 29.534 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

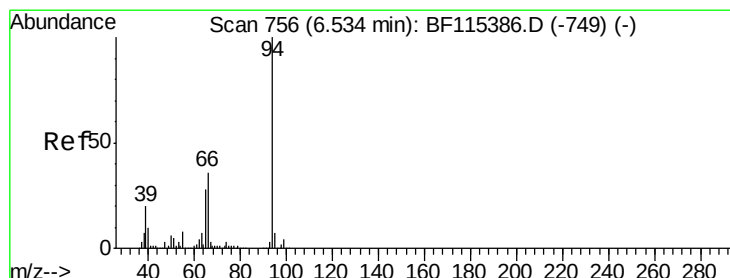
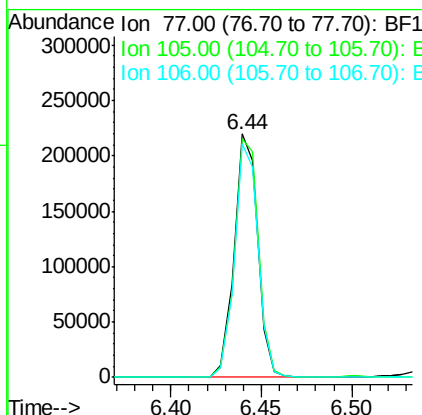
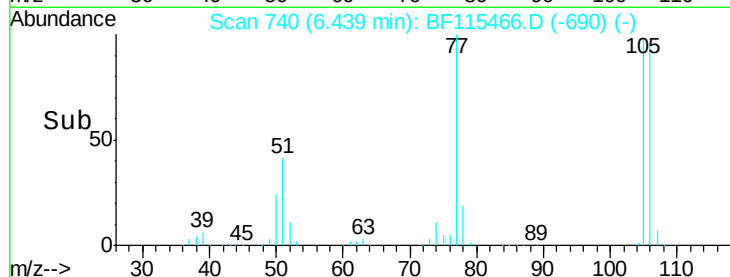
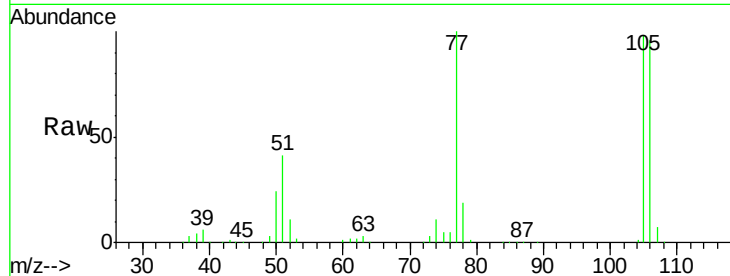
ClientSampleId :

TR-05-070819MSD

Tgt Ion:	77	Resp:	198017
Ion Ratio	Lower	Upper	
77	100		
105	98.1	82.9	122.9
106	96.1	77.8	117.8

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



#10

Phenol

Concen: 30.238 ng

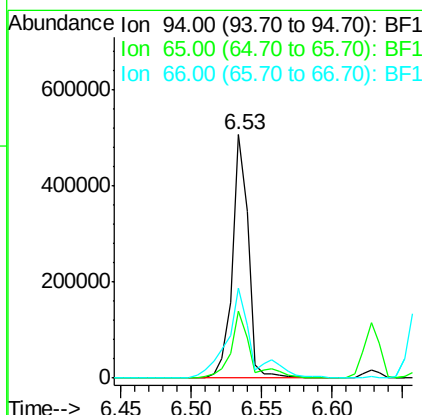
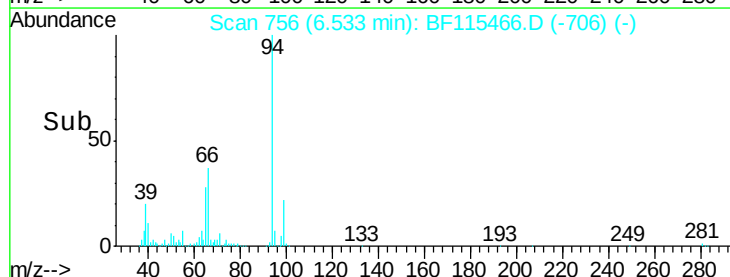
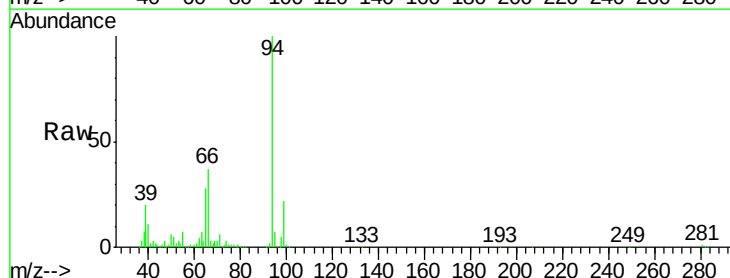
RT: 6.53 min Scan# 756

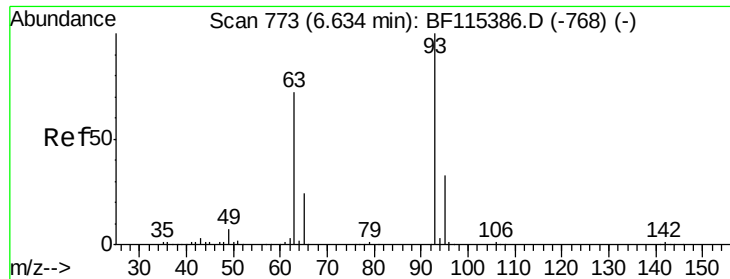
Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:	94	Resp:	397933
Ion Ratio	Lower	Upper	
94	100		
65	27.6	7.2	47.2
66	36.7	16.9	56.9





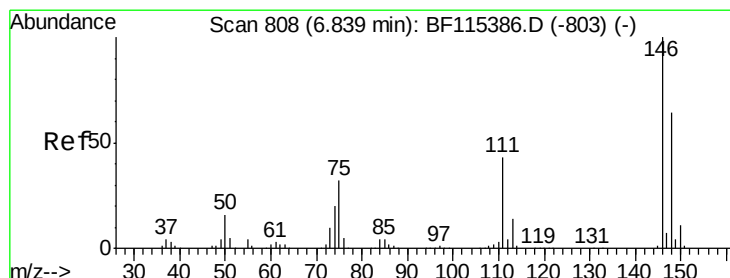
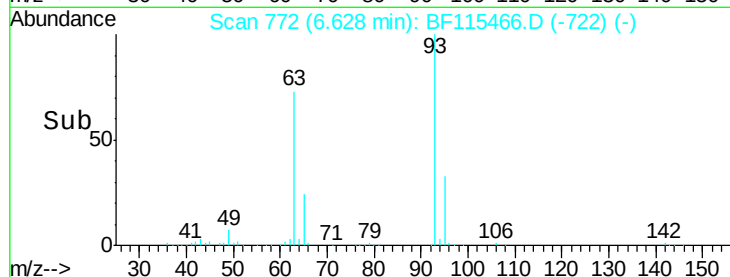
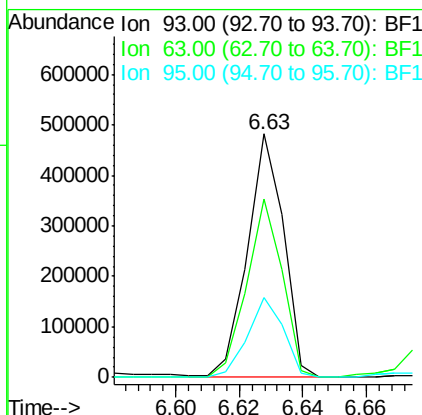
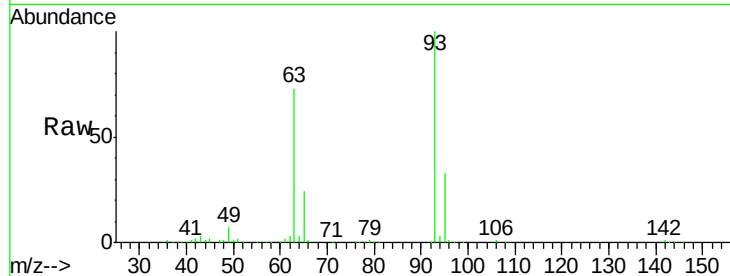
#11
bis(2-Chloroethyl)ether
Concen: 38.984 ng
RT: 6.63 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion:	93	Resp:	380593
Ion	Ratio	Lower	Upper
93	100		
63	73.0	50.0	90.0
95	32.8	12.6	52.6

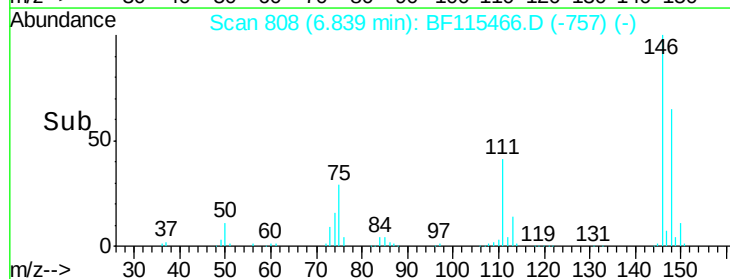
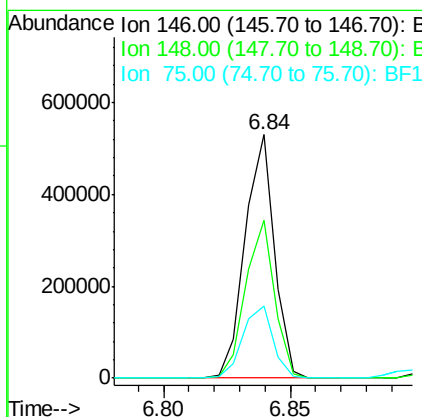
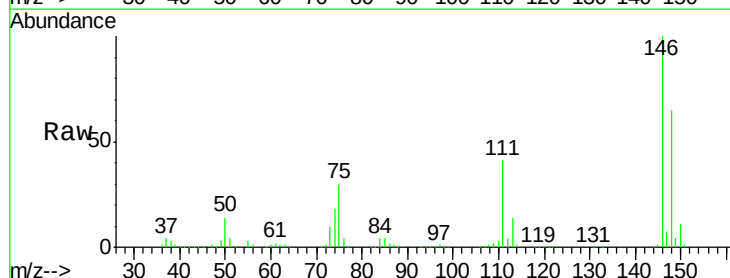
Manual Integrations
APPROVED

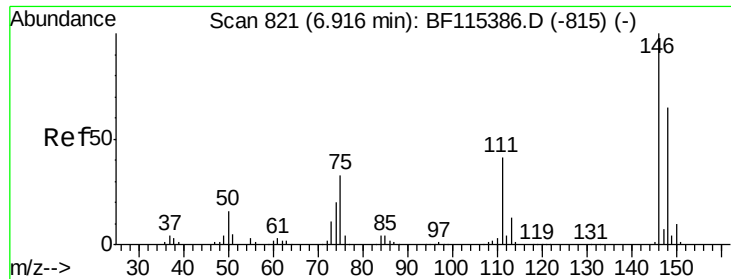
mohammad
7/11/2019 5:22:17 PM



#12
1,3-Dichlorobenzene
Concen: 39.679 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion:	146	Resp:	424522
Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.3	78.5
75	29.8	24.8	37.2





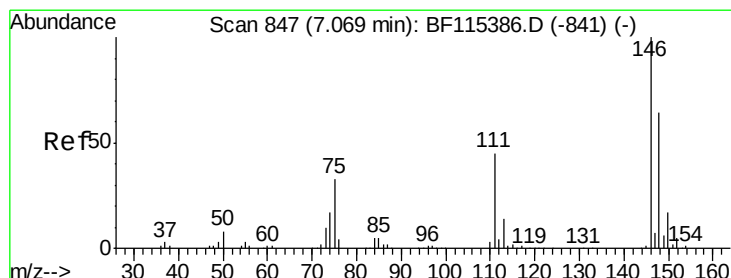
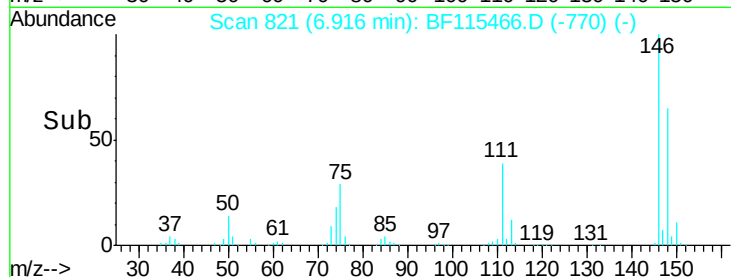
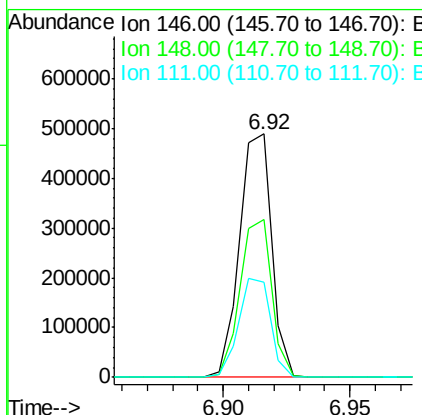
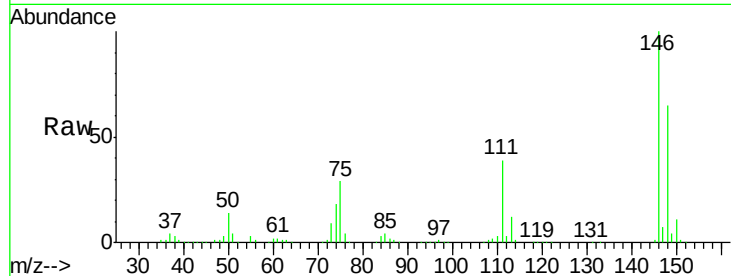
#13
 1,4-Dichlorobenzene
 Concen: 40.256 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.3	76.9
111	38.9	32.1	48.1

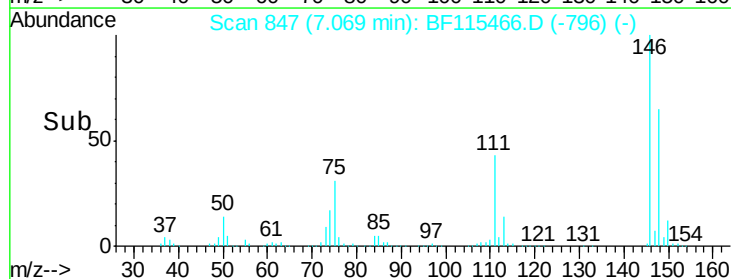
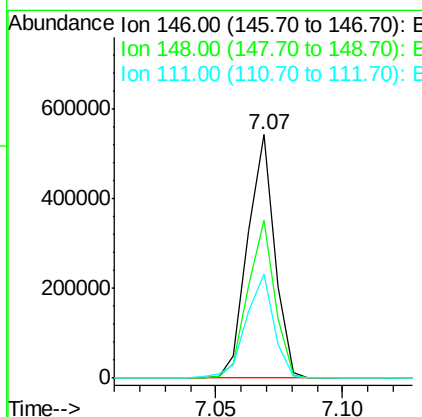
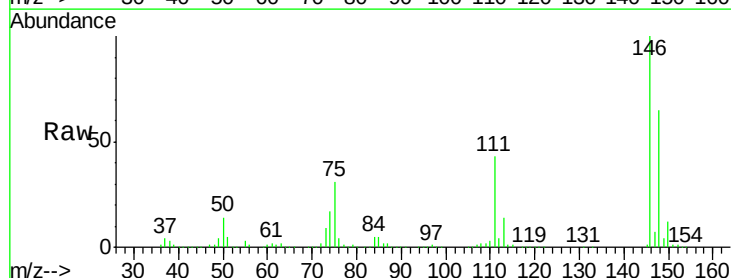
Manual Integrations
 APPROVED

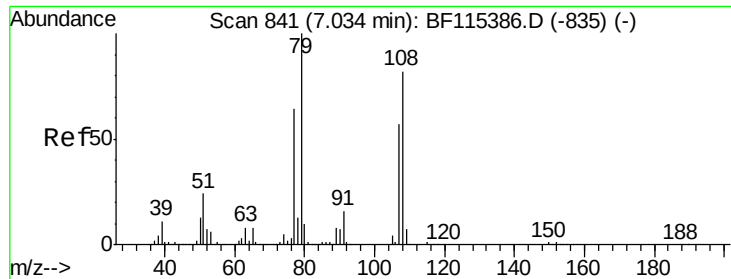
mohammad
 7/11/2019 5:22:17 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.547 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.6	75.8
111	42.9	35.4	53.2





#15

Benzyl Alcohol

Concen: 39.247 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

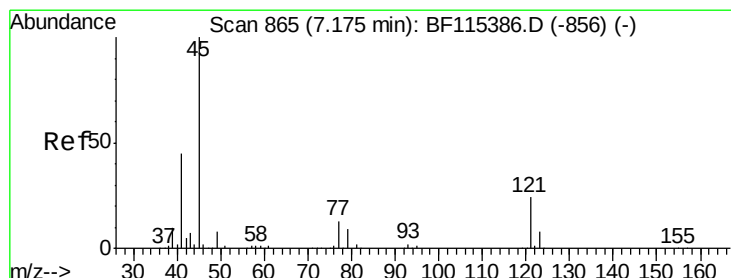
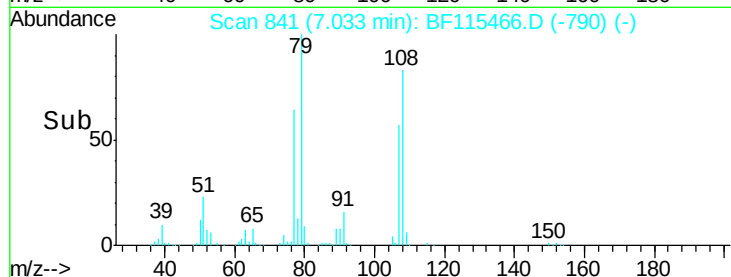
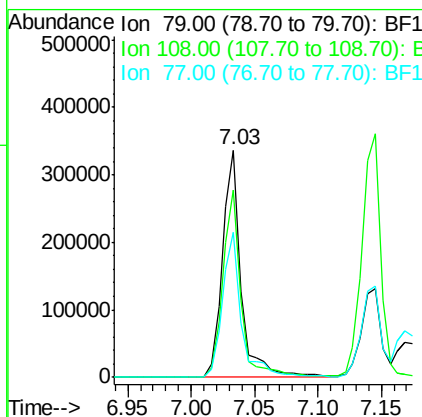
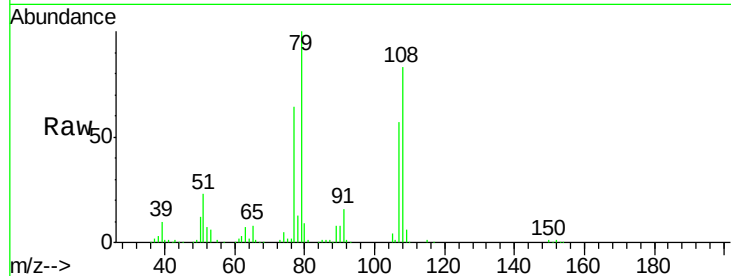
ClientSampleId :

TR-05-070819MSD

Tgt Ion:	79	Resp:	346405
Ion	Ratio	Lower	Upper
79	100		
108	82.6	65.3	97.9
77	63.9	50.6	75.8

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.773 ng

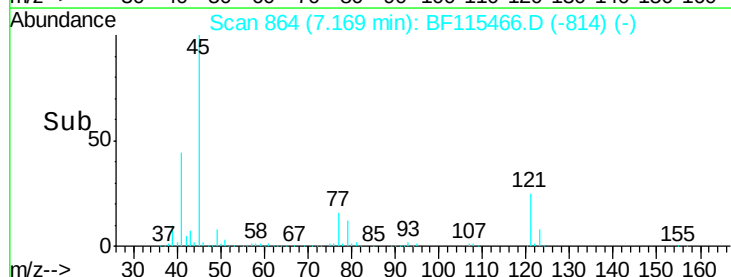
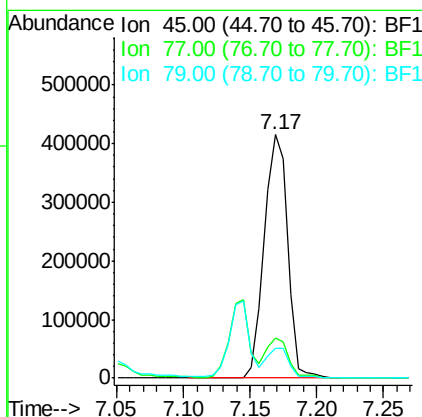
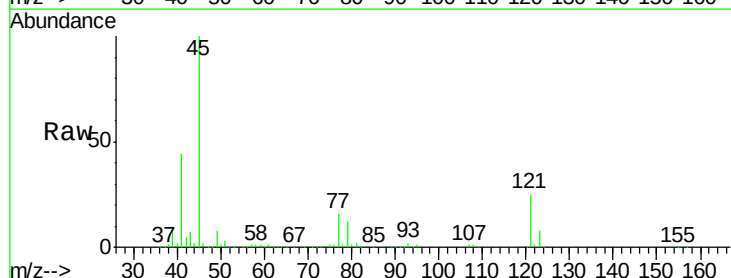
RT: 7.17 min Scan# 864

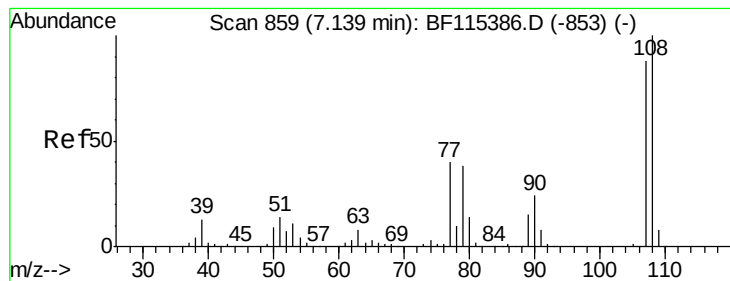
Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:	45	Resp:	501983
Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.3	0.0	33.4





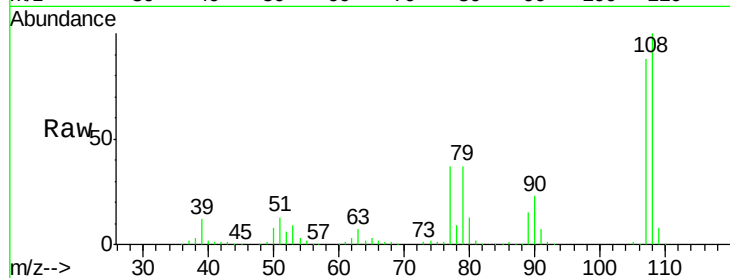
#17
2-Methylphenol
Concen: 37.903 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

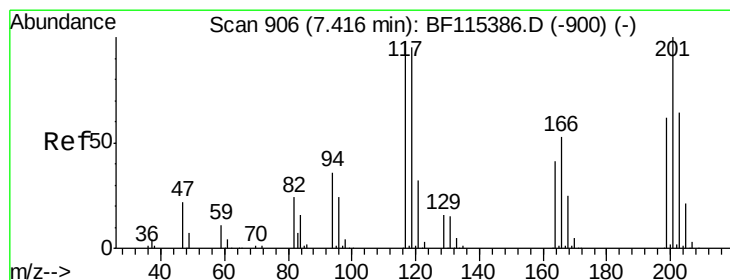
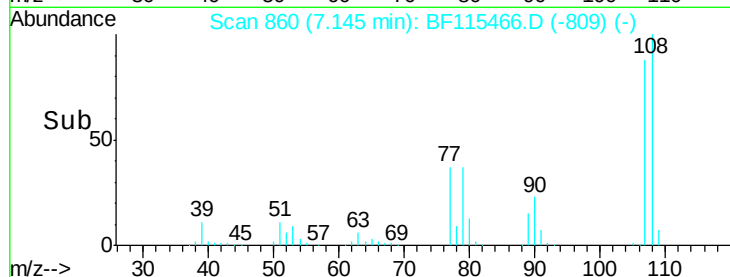
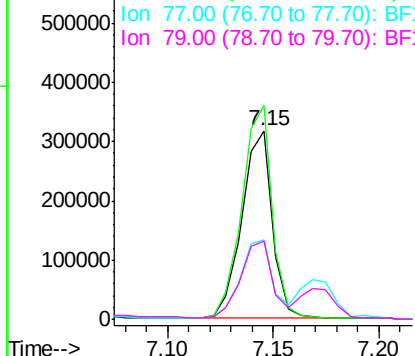
Tgt Ion:	107	Resp:	317106
Ion Ratio	Lower	Upper	
107	100		
108	113.5	90.0	135.0
77	42.4	35.0	52.4
79	41.6	34.4	51.6

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



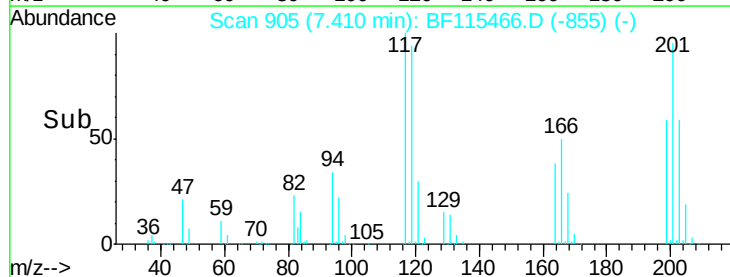
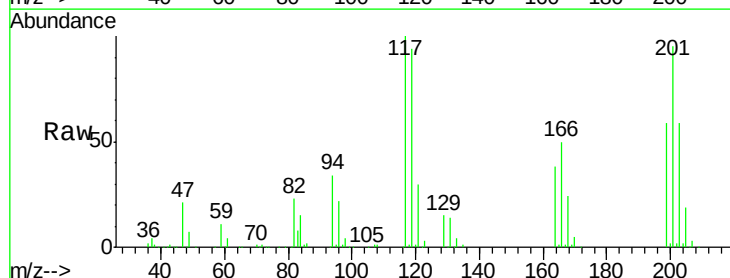
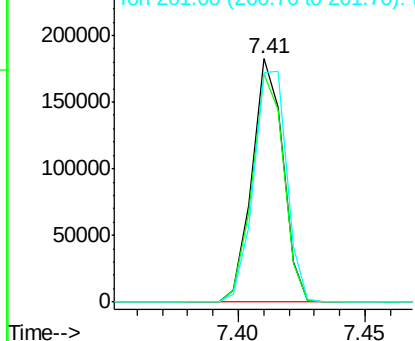
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

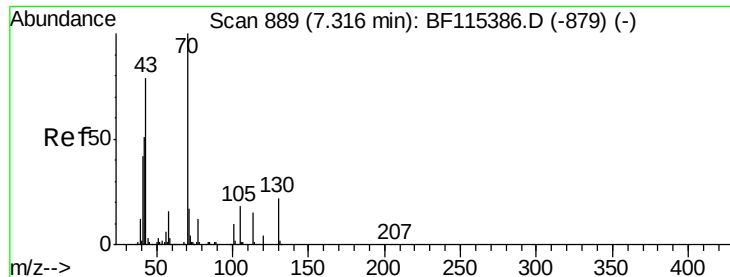


#18
Hexachloroethane
Concen: 39.060 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion:	117	Resp:	155939
Ion Ratio	Lower	Upper	
117	100		
119	93.6	76.8	115.2
201	94.5	85.8	128.6

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





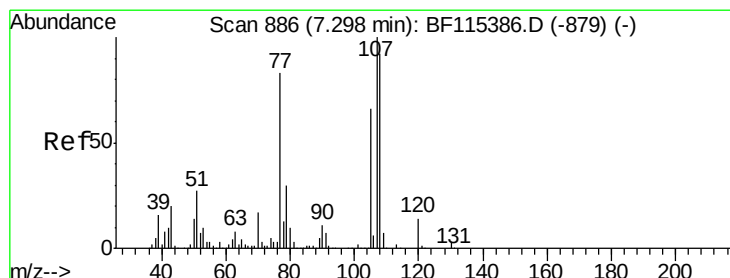
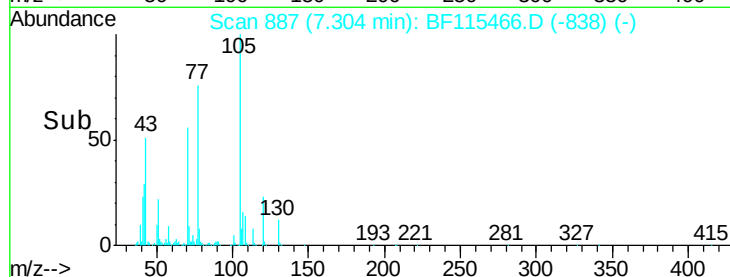
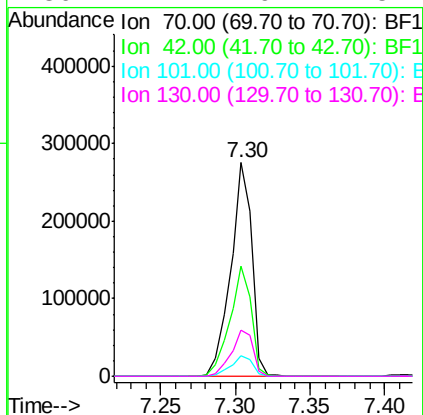
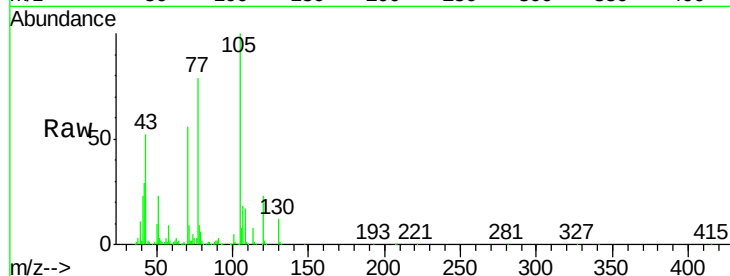
#19
n-Nitroso-di-n-propylamine
Concen: 37.040 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	51.7	38.5	57.7
101	9.7	8.0	12.0
130	21.7	19.1	28.7

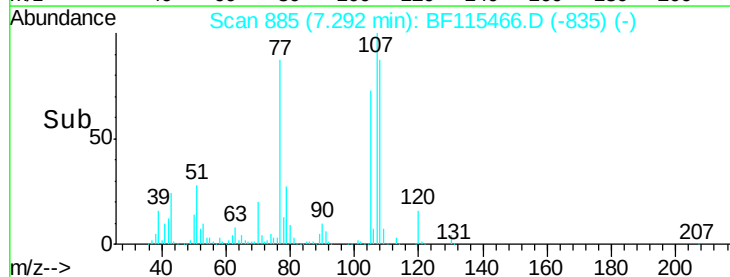
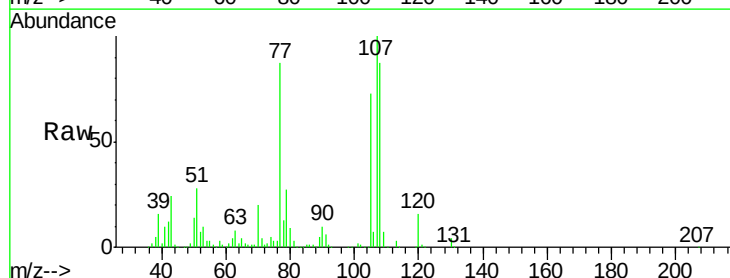
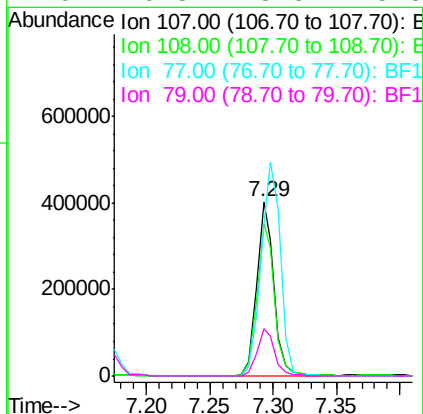
Manual Integrations
APPROVED

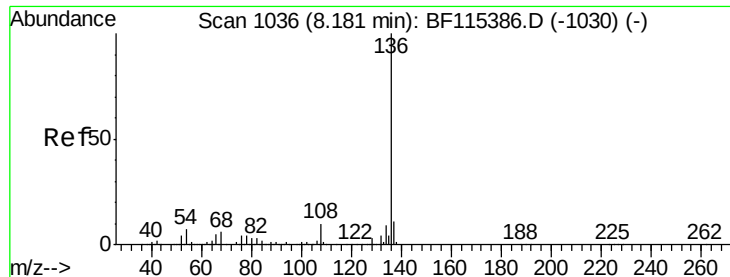
mohammad
7/11/2019 5:22:17 PM



#20
3+4-Methylphenols
Concen: 38.881 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.5	70.5	110.5
77	87.3	63.0	103.0
79	26.8	8.3	48.3





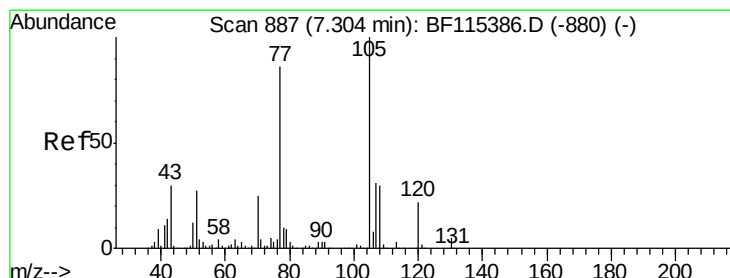
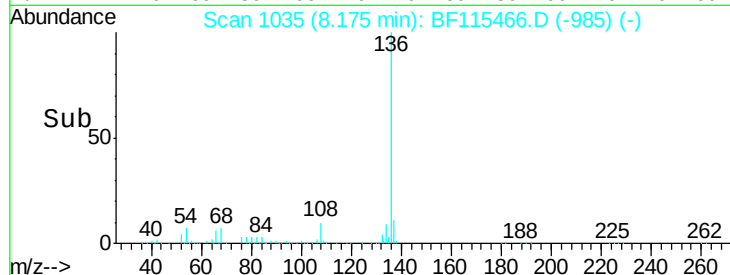
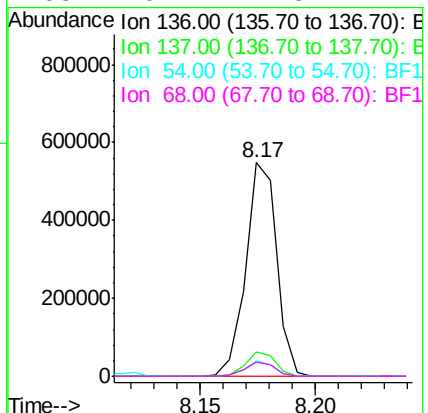
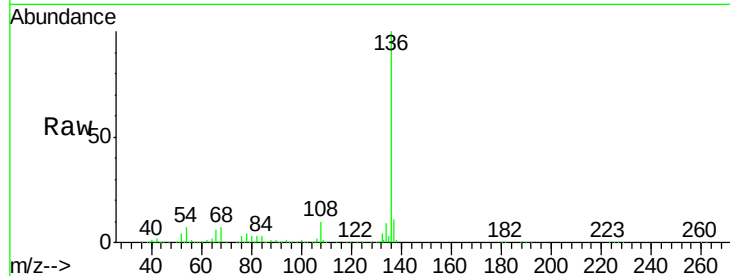
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	512511		
137	11.2		8.8	13.2
54	7.2		5.4	8.0
68	6.7		4.8	7.2

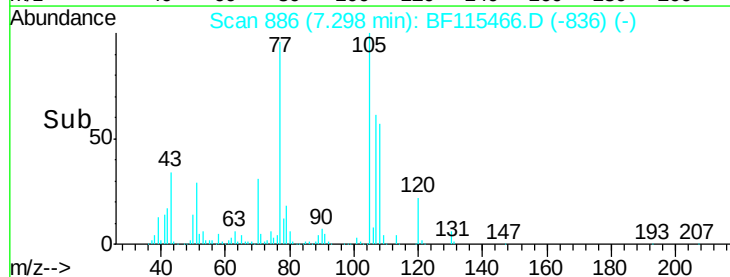
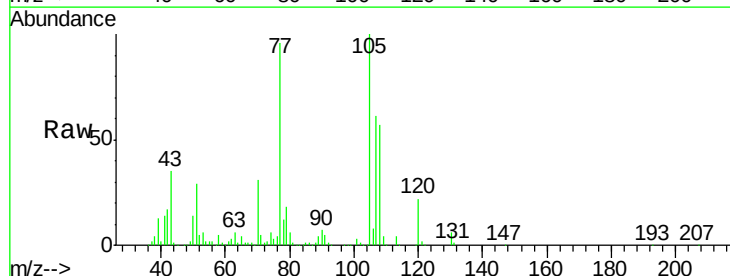
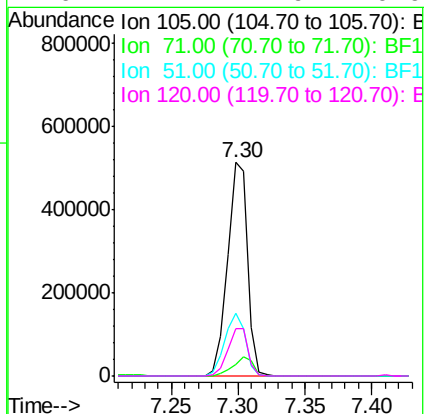
Manual Integrations
APPROVED

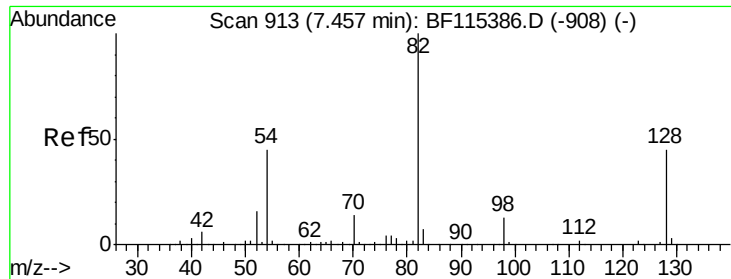
mohammad
7/11/2019 5:22:17 PM



#22
Acetophenone
Concen: 44.201 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	542826		
71	5.3		3.5	5.3#
51	29.3		22.6	33.8
120	22.1		17.9	26.9





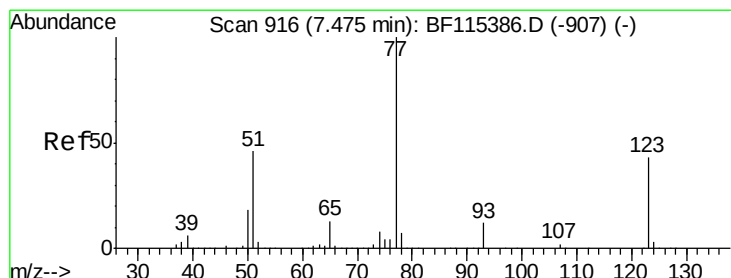
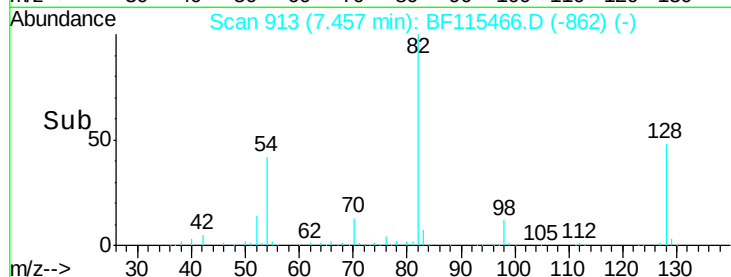
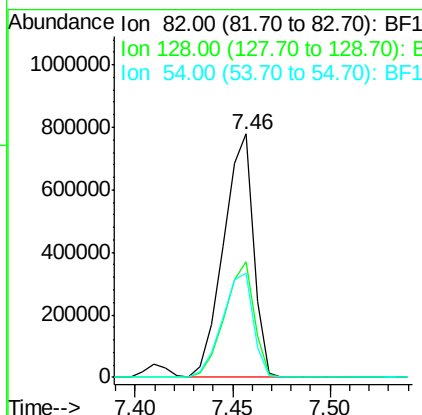
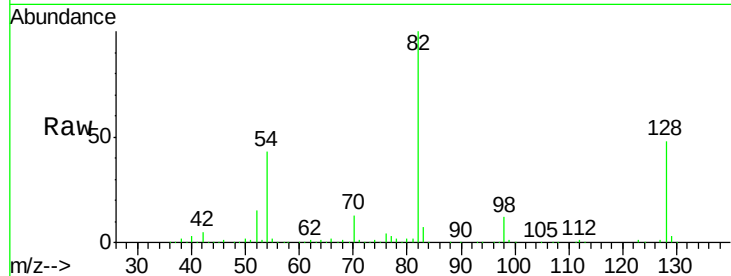
#23
Nitrobenzene-d5
Concen: 95.758 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.7	55.1
54	42.6	35.6	53.4

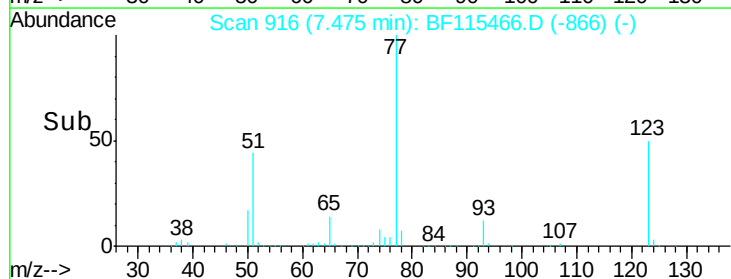
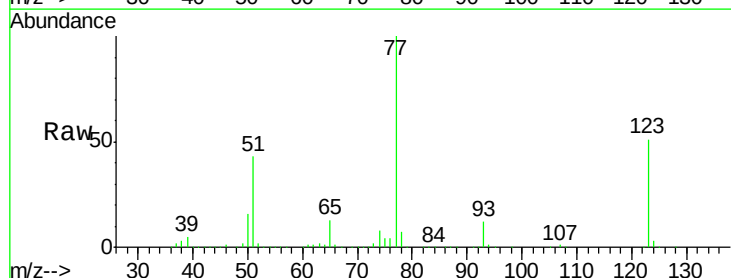
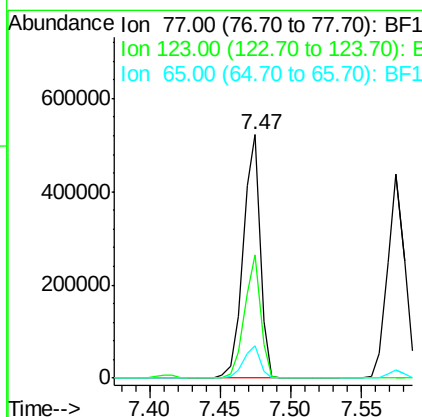
Manual Integrations
APPROVED

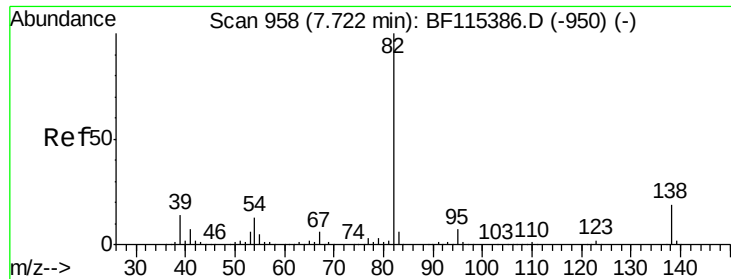
mohammad
7/11/2019 5:22:17 PM



#24
Nitrobenzene
Concen: 44.086 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.5	40.4	60.6
65	13.1	10.4	15.6





#25

Isophorone

Concen: 41.458 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

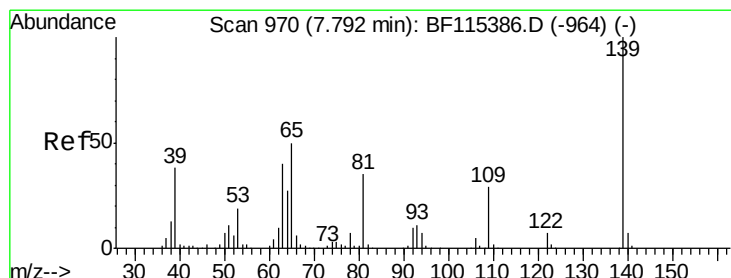
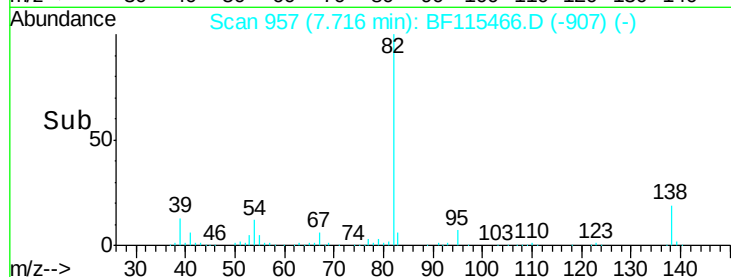
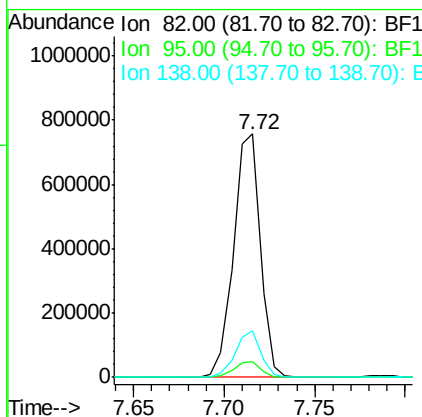
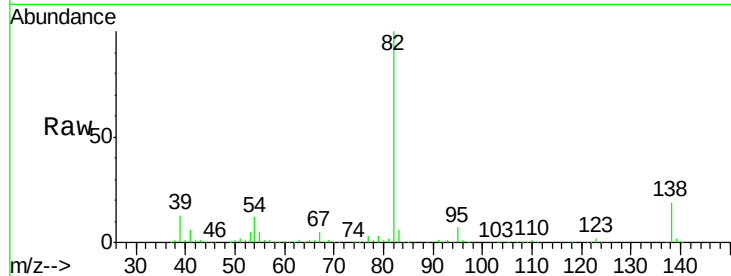
ClientSampleId :

TR-05-070819MSD

Tgt Ion:	82	Resp:	779492
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.4	8.2
138	19.3	15.1	22.7

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



#26

2-Nitrophenol

Concen: 52.384 ng

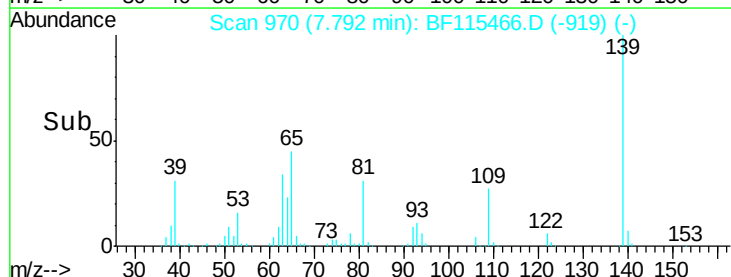
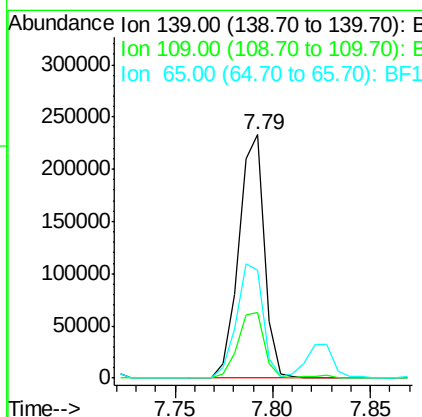
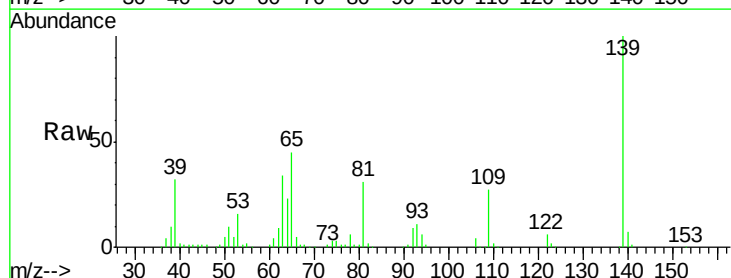
RT: 7.79 min Scan# 970

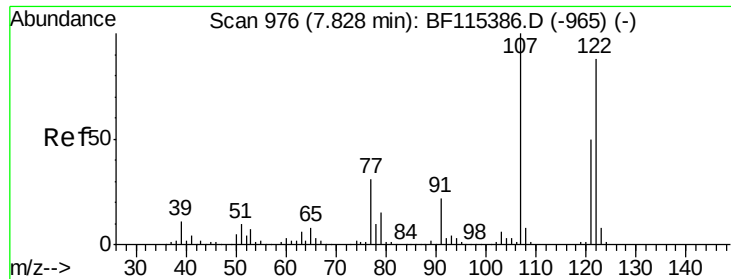
Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:	139	Resp:	210979
Ion Ratio	Lower	Upper	
139	100		
109	26.9	22.2	33.4
65	44.6	37.5	56.3





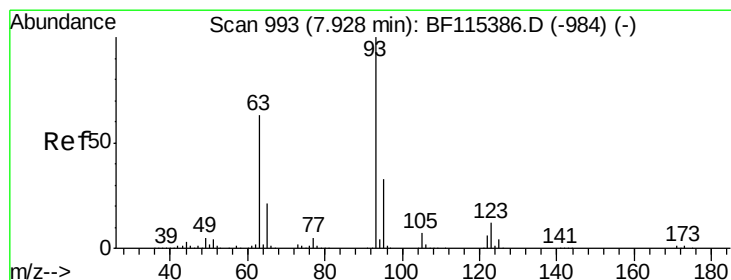
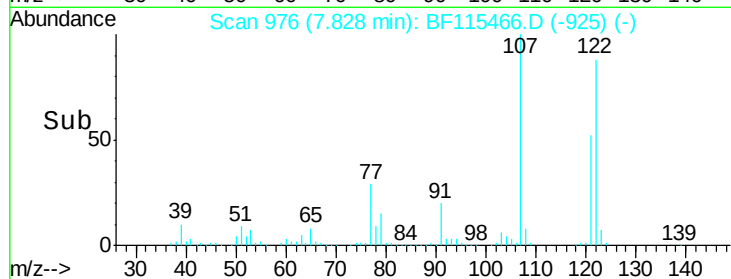
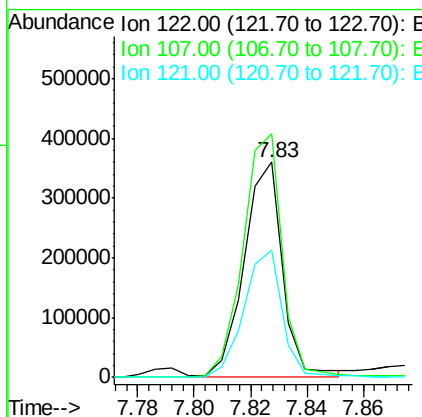
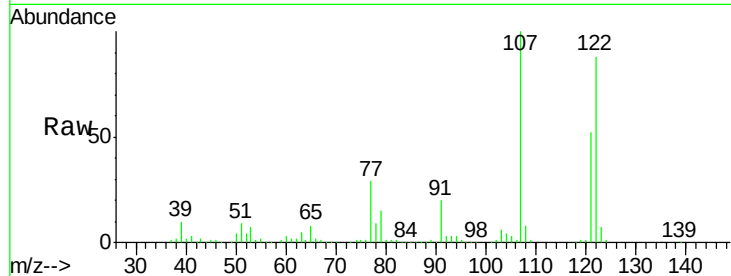
#27
2,4-Dimethylphenol
Concen: 44.380 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
122	100		
107	113.3	91.7	137.5
121	59.2	47.7	71.5

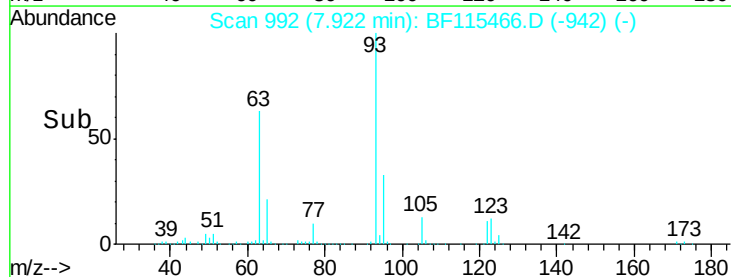
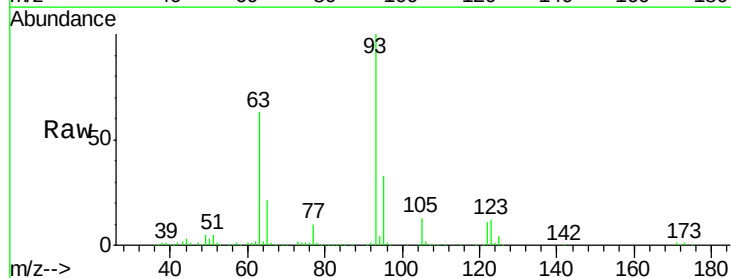
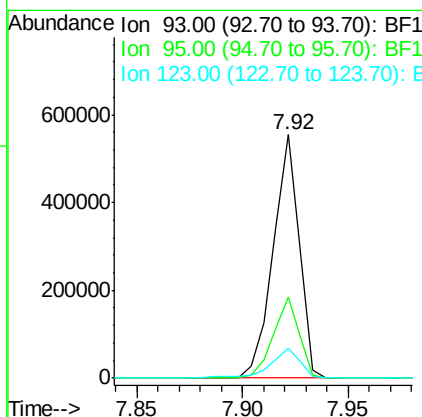
Manual Integrations
APPROVED

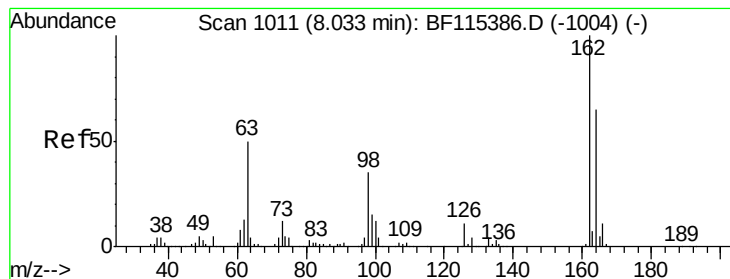
mohammad
7/11/2019 5:22:17 PM



#28
bis(2-Chloroethoxy)methane
Concen: 40.846 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	39.8
123	12.5	10.4	15.6





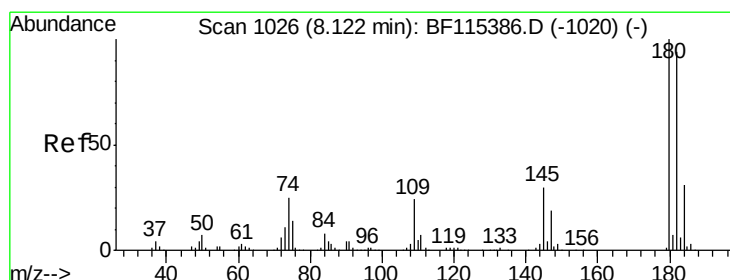
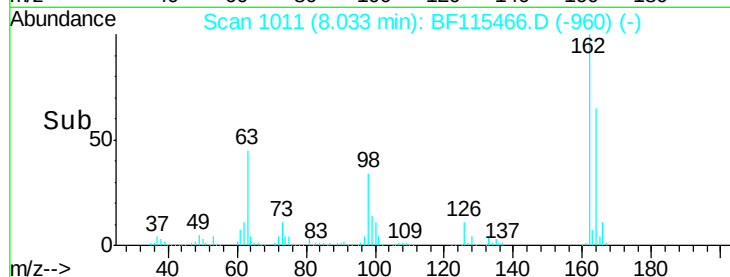
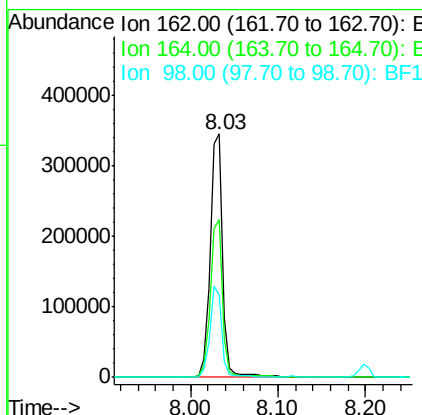
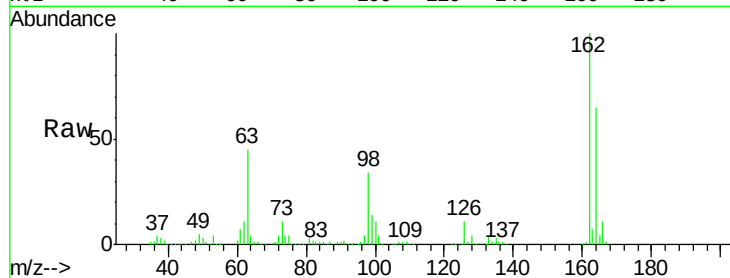
#29
 2,4-Dichlorophenol
 Concen: 44.717 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	342051		
164	64.9	45.2	85.2	
98	33.8	17.0	57.0	

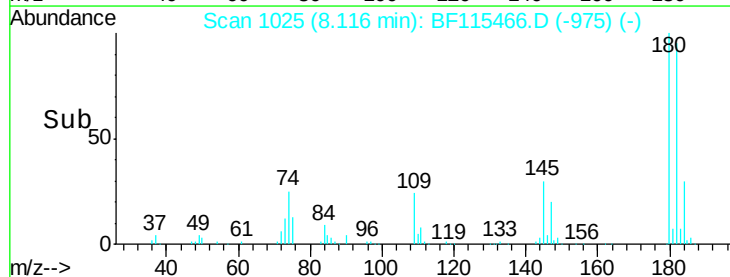
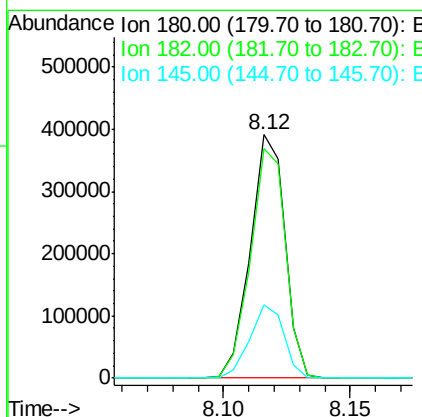
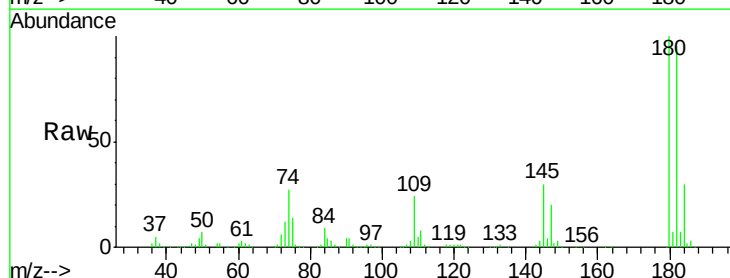
Manual Integrations
 APPROVED

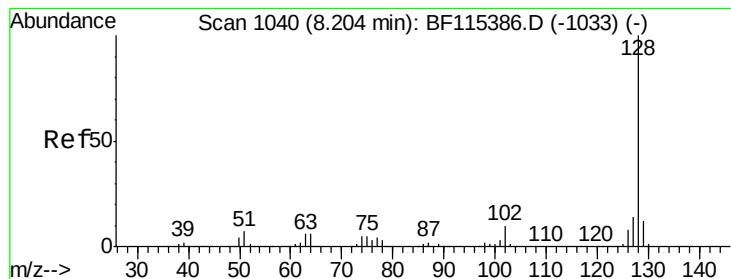
mohammad
 7/11/2019 5:22:17 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 43.852 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	373427		
182	94.5	77.1	115.7	
145	30.2	23.9	35.9	





#31

Naphthalene

Concen: 45.392 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

ClientSampleId :

TR-05-070819MSD

Tgt Ion:128 Resp: 1155518

Ion Ratio Lower Upper

128 100

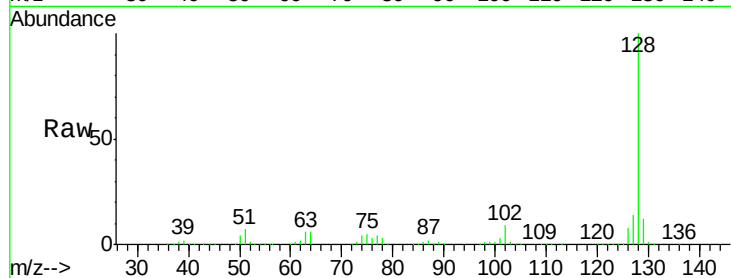
129 11.6 9.3 13.9

127 13.7 11.1 16.7

Manual Integrations
APPROVED

mohammad

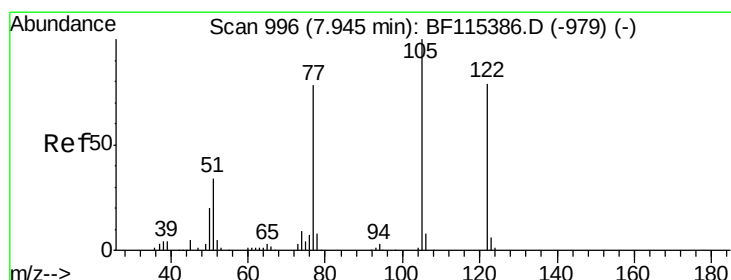
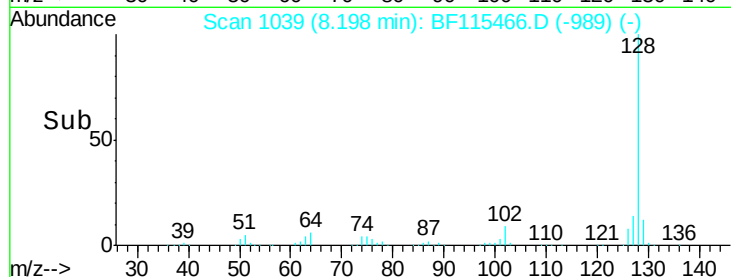
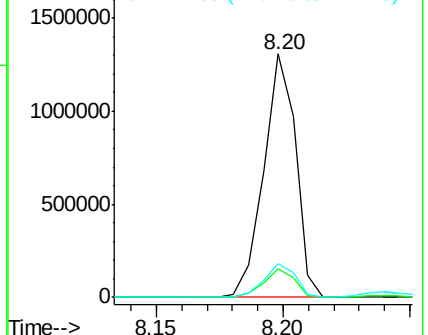
7/11/2019 5:22:17 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 31.731 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

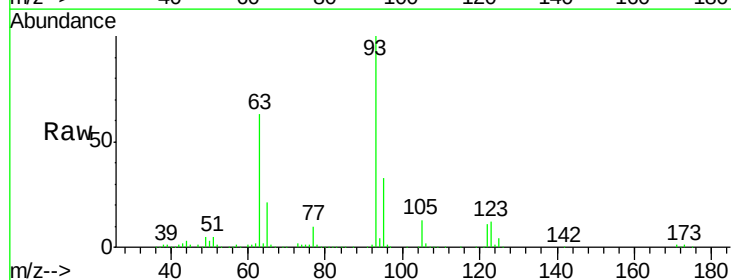
Tgt Ion:122 Resp: 164424

Ion Ratio Lower Upper

122 100

105 120.9 101.6 141.6

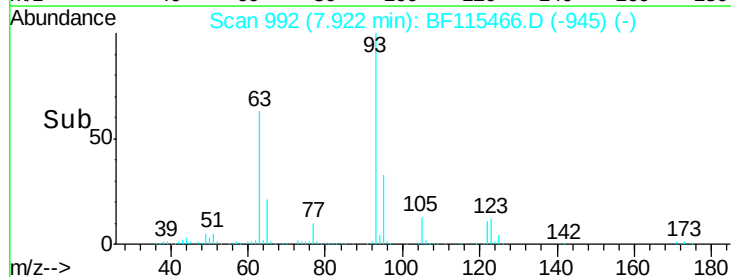
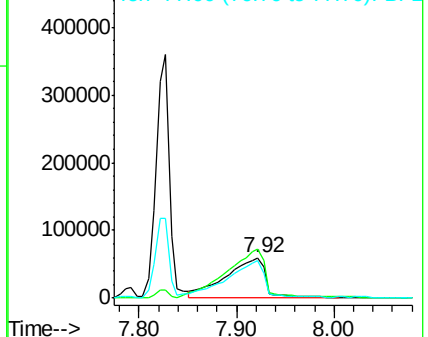
77 93.9 69.1 109.1

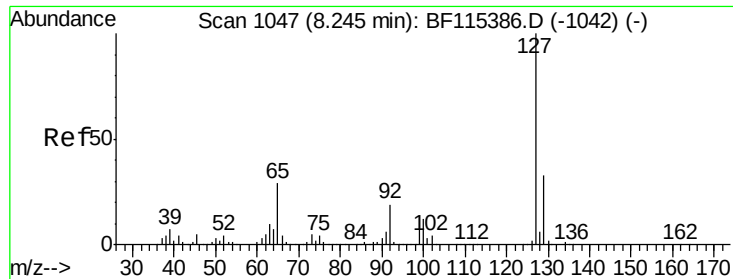


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





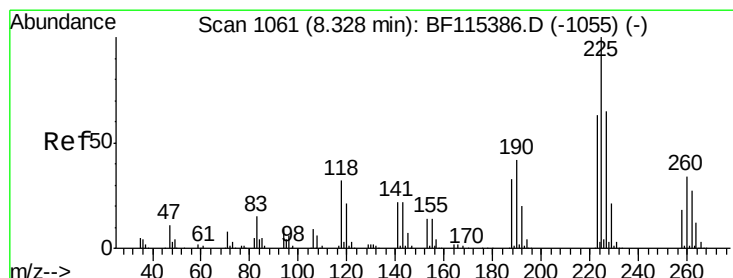
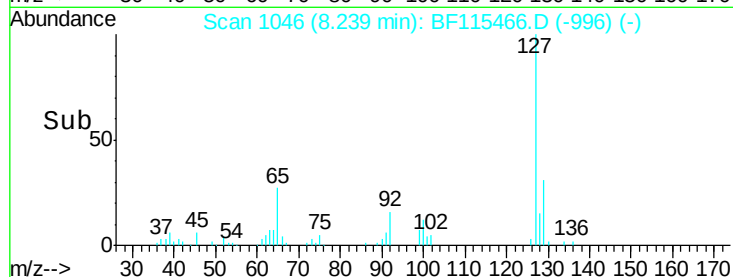
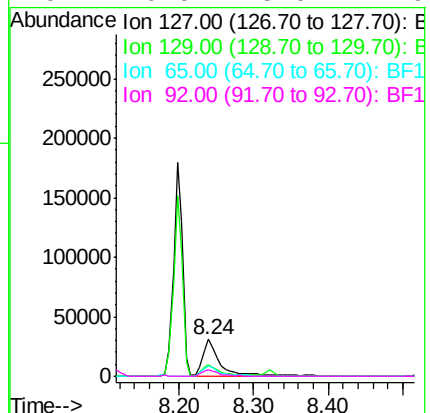
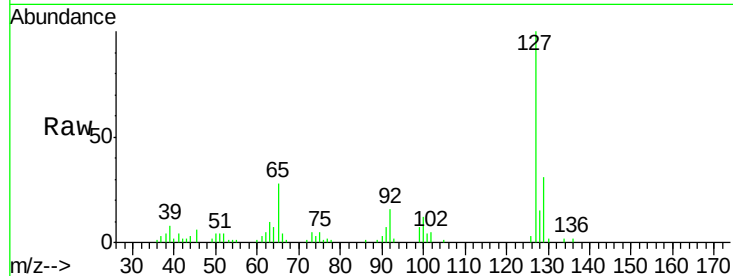
#33
4-Chloroaniline
Concen: 4.577 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.9	26.1	39.1
65	28.2	23.2	34.8
92	16.0	15.0	22.6

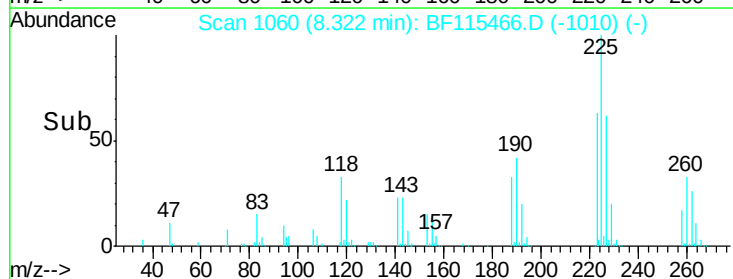
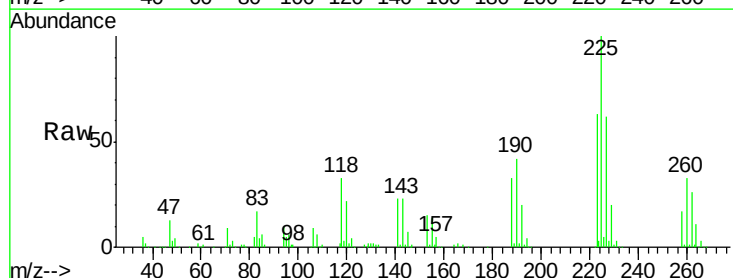
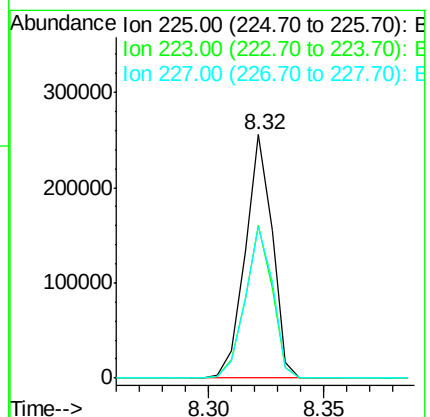
Manual Integrations
APPROVED

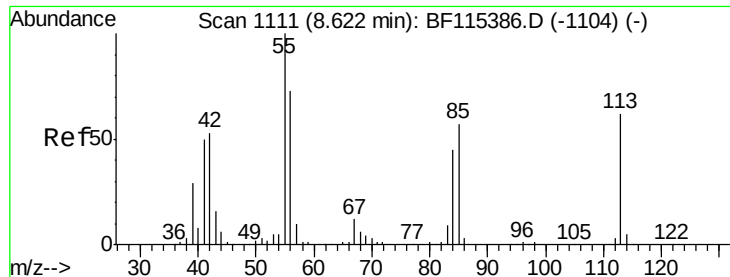
mohammad
7/11/2019 5:22:17 PM



#34
Hexachlorobutadiene
Concen: 43.460 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	62.3	51.4	77.2





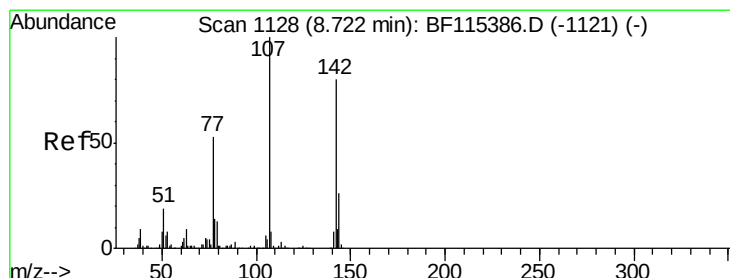
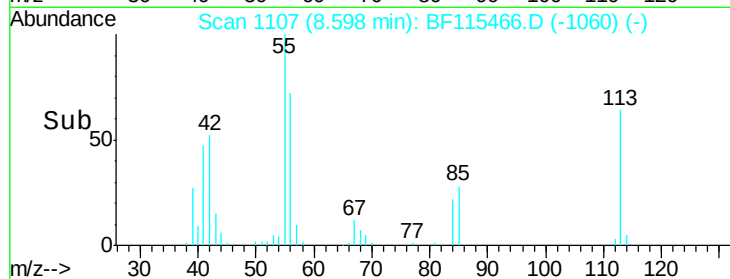
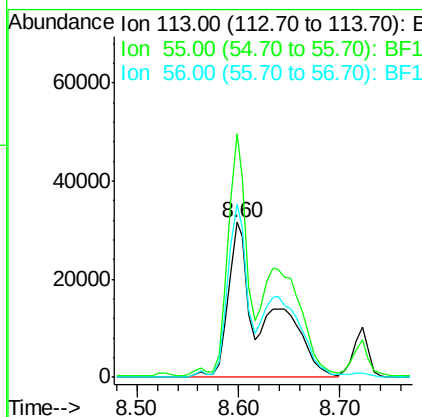
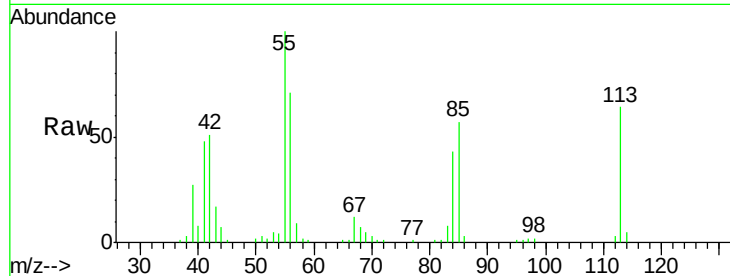
#35
 Caprolactam
 Concen: 32.022 ng m
 RT: 8.60 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion:113 Resp: 79778
 Ion Ratio Lower Upper
 113 100
 55 157.0 138.1 178.1
 56 111.9 95.7 135.7

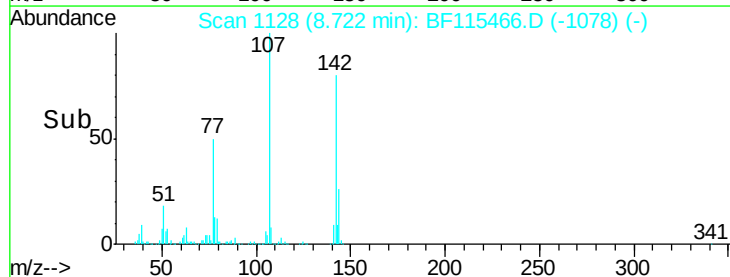
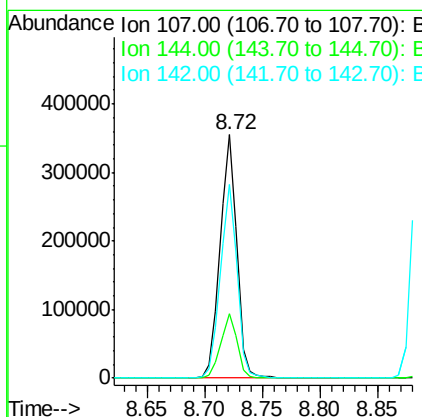
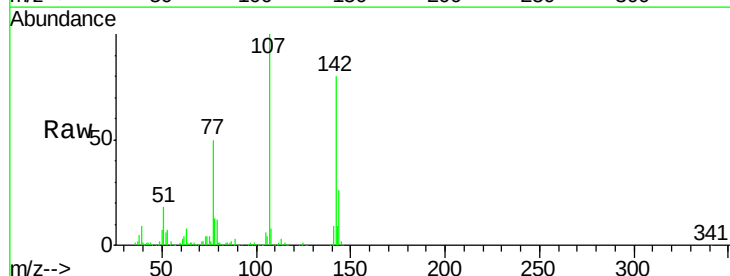
Manual Integrations
 APPROVED

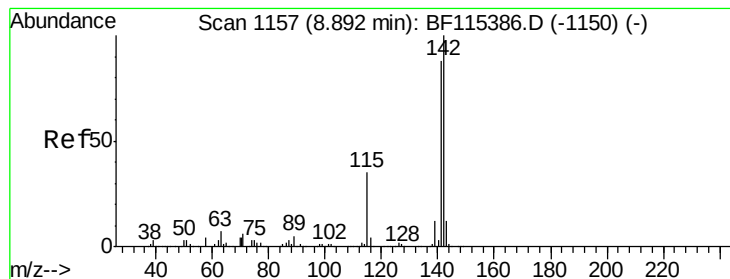
mohammad
 7/11/2019 5:22:17 PM



#36
 4-Chloro-3-methylphenol
 Concen: 44.431 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion:107 Resp: 359491
 Ion Ratio Lower Upper
 107 100
 144 26.4 21.5 32.3
 142 79.8 66.2 99.2





#37

2-Methylnaphthalene

Concen: 45.232 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

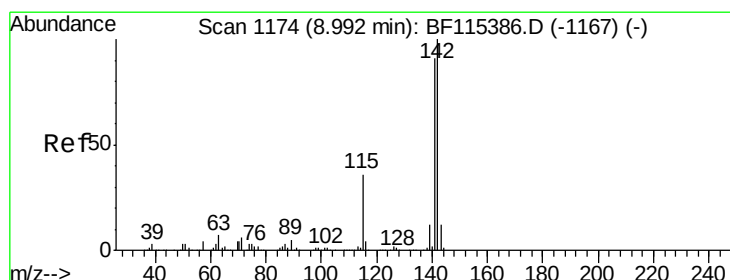
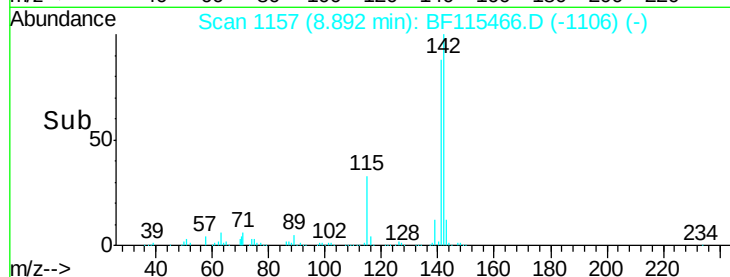
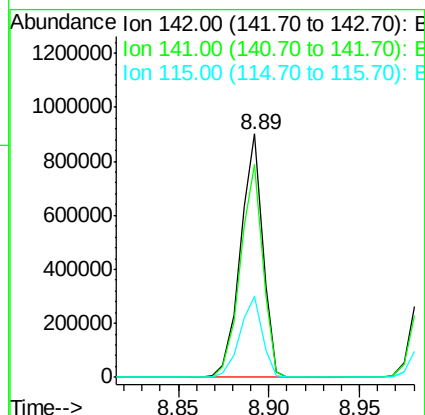
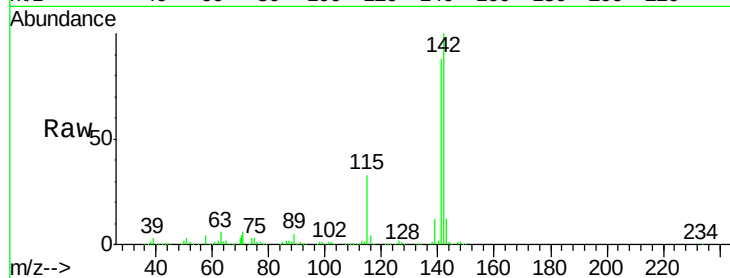
ClientSampleId :

TR-05-070819MSD

Tgt Ion:	142	Resp:	769640
Ion Ratio	Lower	Upper	
142	100		
141	87.6	72.1	108.1
115	33.3	27.6	41.4

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



#38

1-Methylnaphthalene

Concen: 44.878 ng

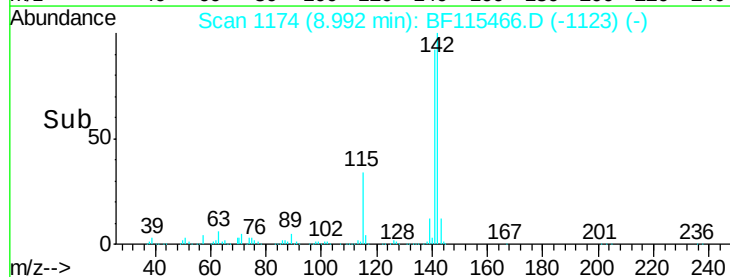
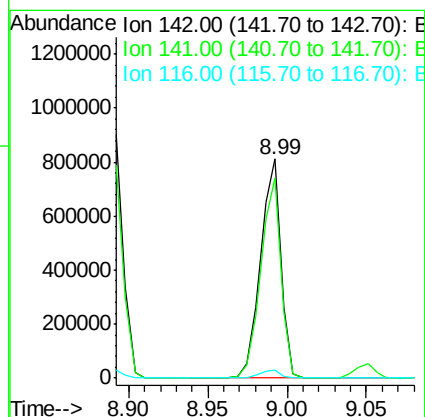
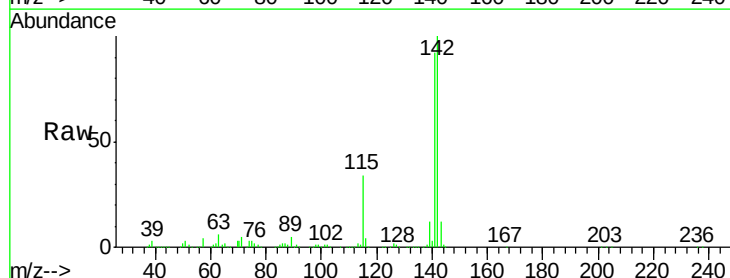
RT: 8.99 min Scan# 1174

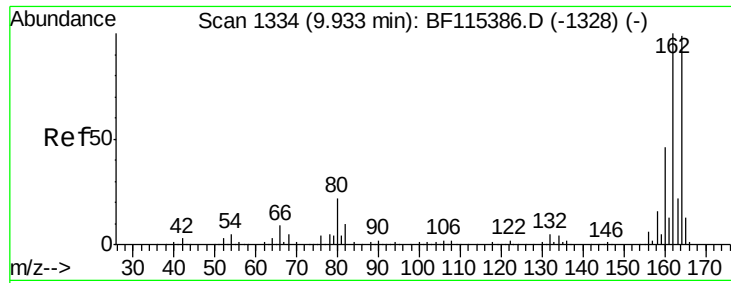
Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:	142	Resp:	728576
Ion Ratio	Lower	Upper	
142	100		
141	91.6	74.3	111.5
116	3.6	3.1	4.7





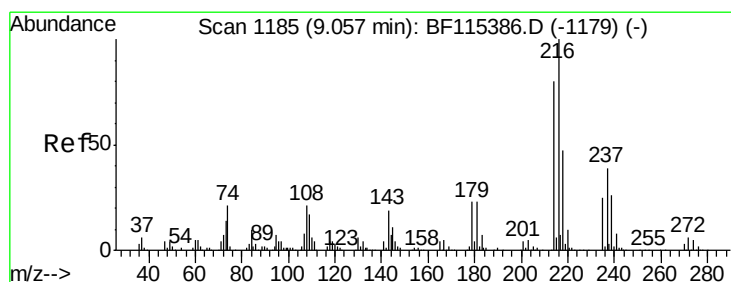
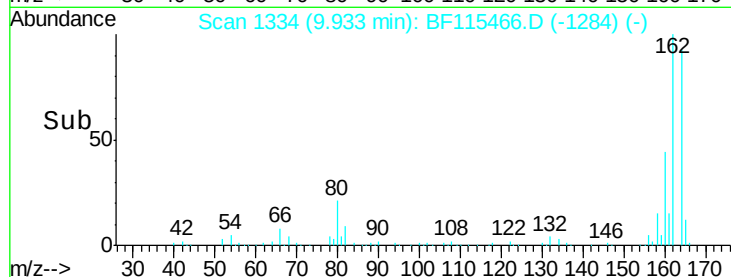
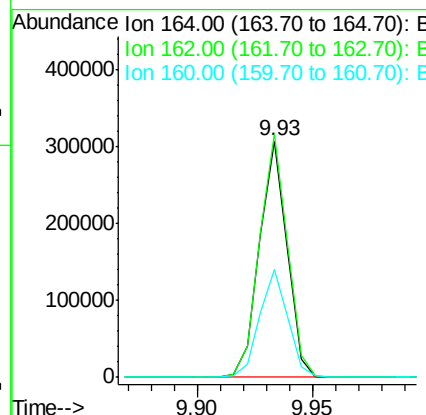
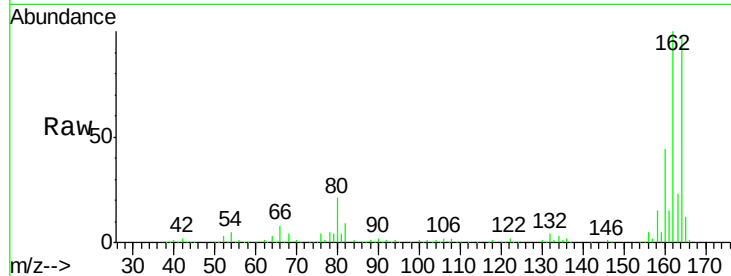
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	258197		
162	102.9	82.3	123.5	
160	45.5	37.2	55.8	

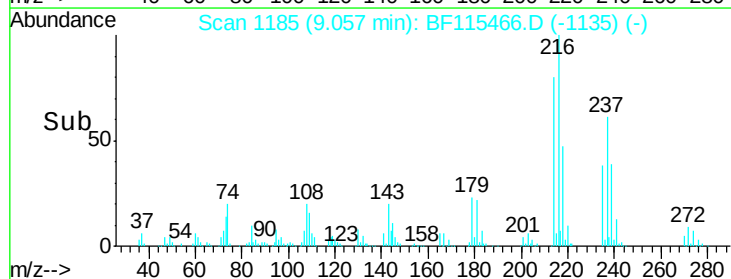
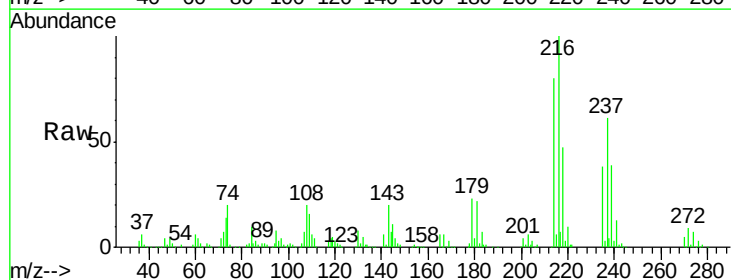
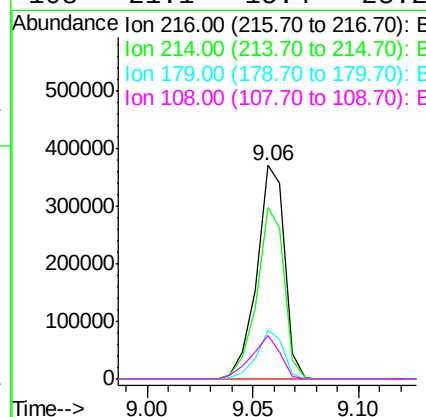
Manual Integrations
APPROVED

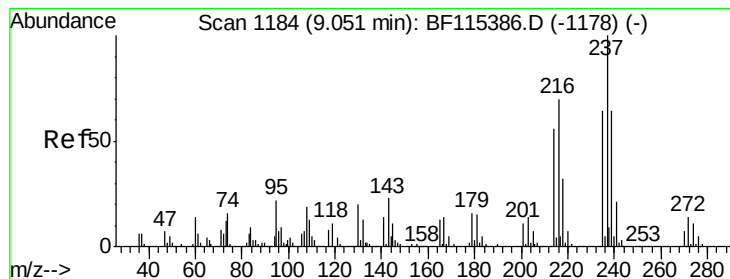
mohammad
7/11/2019 5:22:17 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.851 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	340580		
214	78.9	63.0	94.6	
179	21.9	17.4	26.0	
108	21.1	15.4	23.2	





#41

Hexachlorocyclopentadiene

Concen: 90.256 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

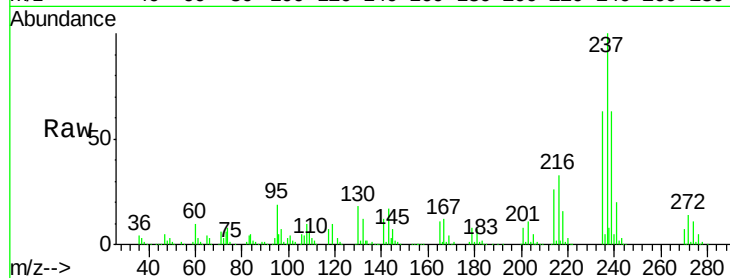
ClientSampleId :

TR-05-070819MSD

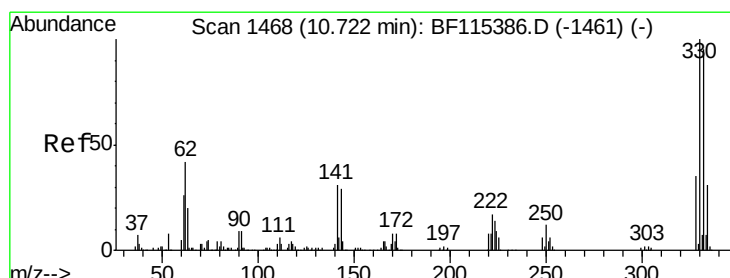
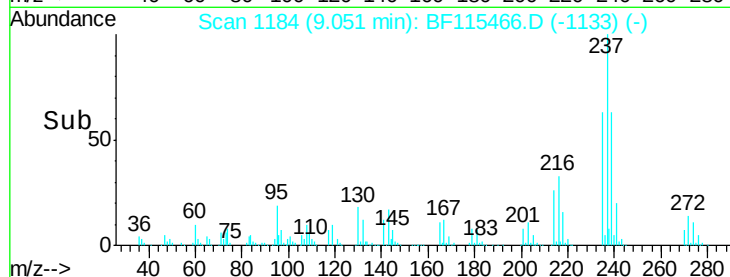
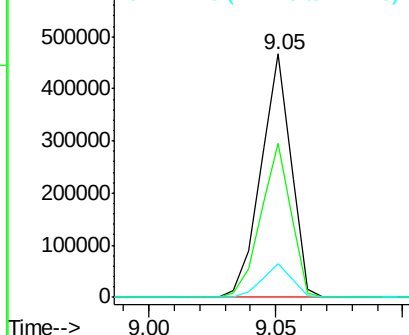
Tgt Ion:	237	Resp:	388570
Ion Ratio	Lower	Upper	
237	100		
235	63.2	43.4	83.4
272	13.7	0.0	33.6

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



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



#42

2,4,6-Tribromophenol

Concen: 135.963 ng

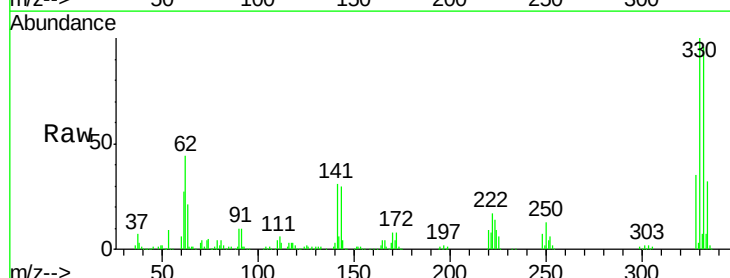
RT: 10.72 min Scan# 1468

Delta R.T. -0.01 min

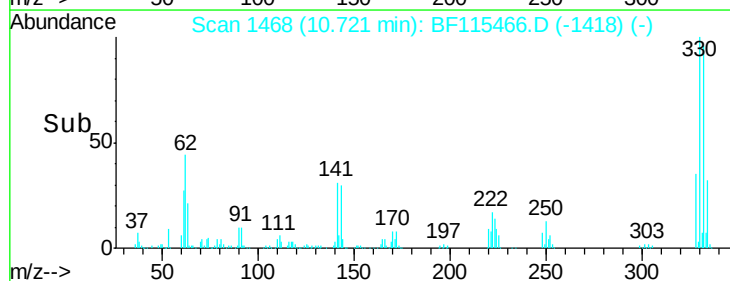
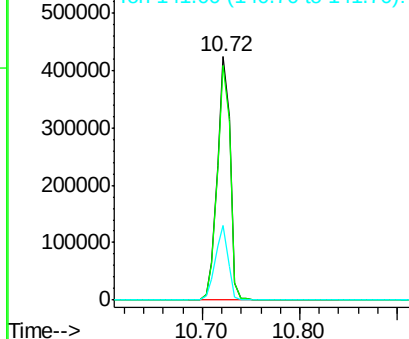
Lab File: BF115466.D

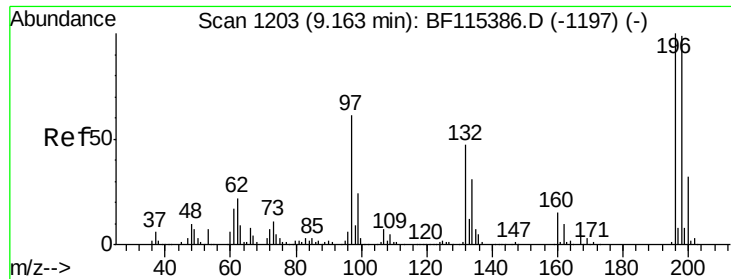
Acq: 10 Jul 2019 20:23

Tgt Ion:	330	Resp:	388148
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.4	116.0
141	30.7	24.7	37.1



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





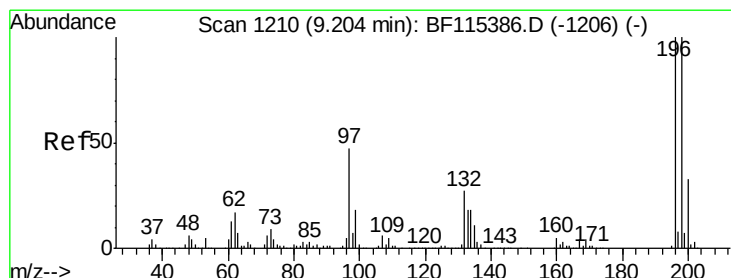
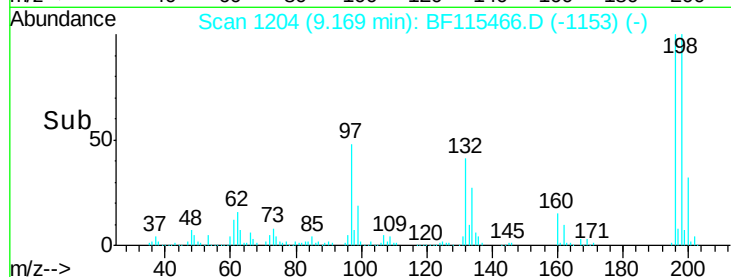
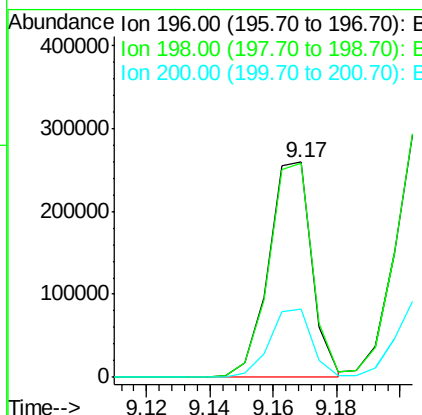
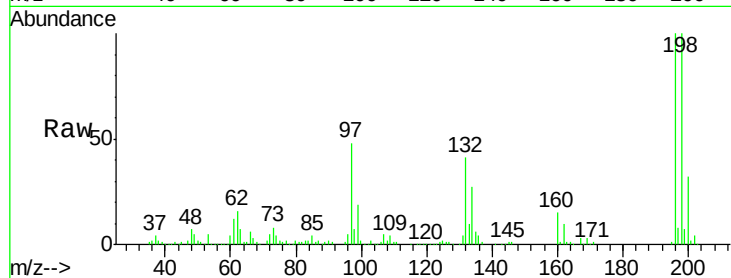
#43
 2,4,6-Trichlorophenol
 Concen: 45.535 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	246243		
198	99.7	78.2	117.4	
200	32.0	25.0	37.6	

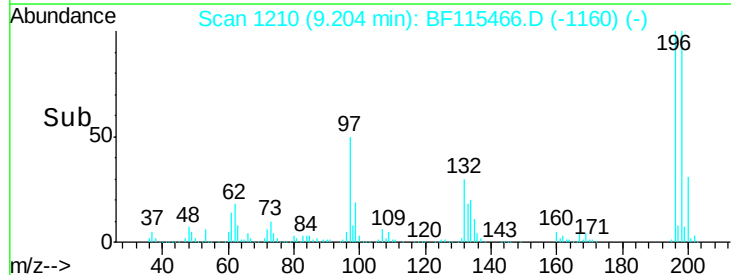
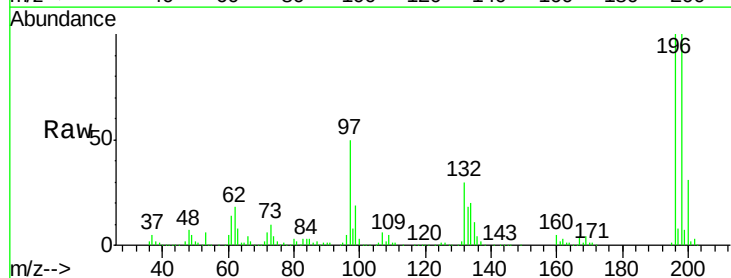
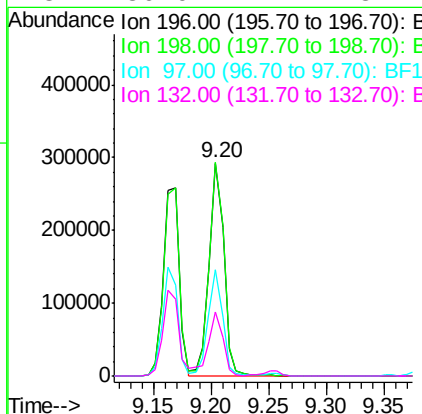
Manual Integrations
 APPROVED

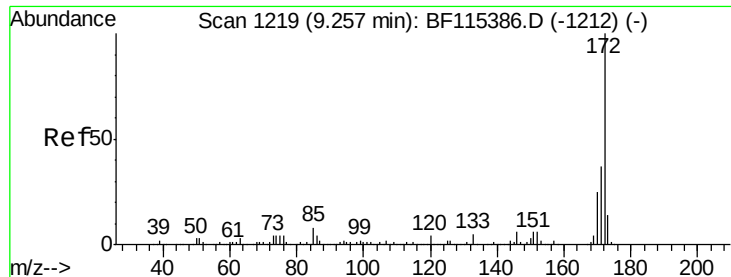
mohammad
 7/11/2019 5:22:17 PM



#44
 2,4,5-Trichlorophenol
 Concen: 47.362 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	265579		
198	100.4	80.6	120.8	
97	49.8	34.0	51.0	
132	30.0	21.4	32.2	





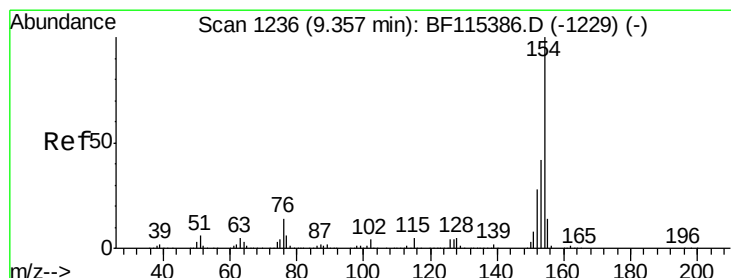
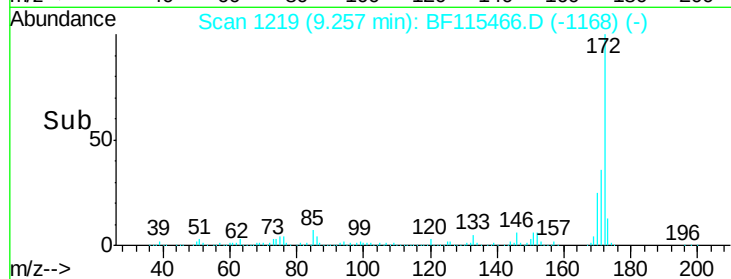
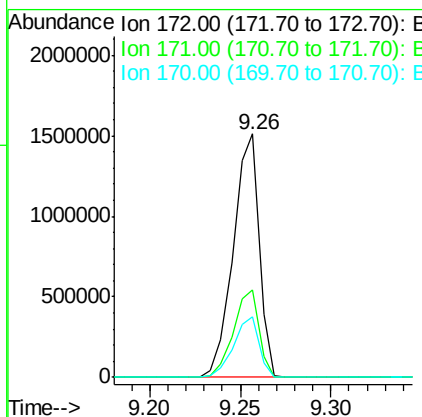
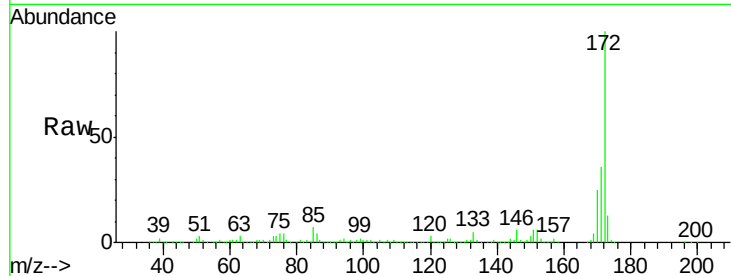
#45
2-Fluorobiphenyl
Concen: 102.031 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.8	44.8
170	24.8	20.0	30.0

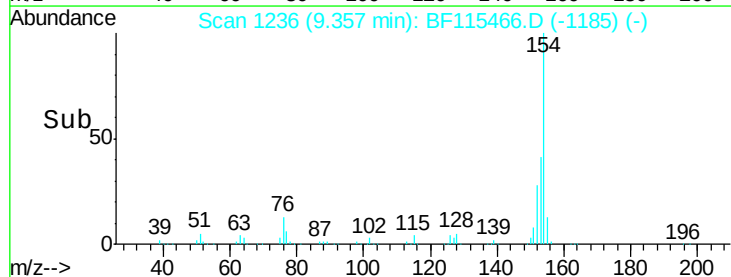
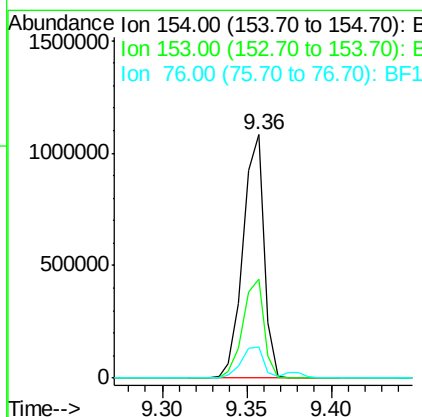
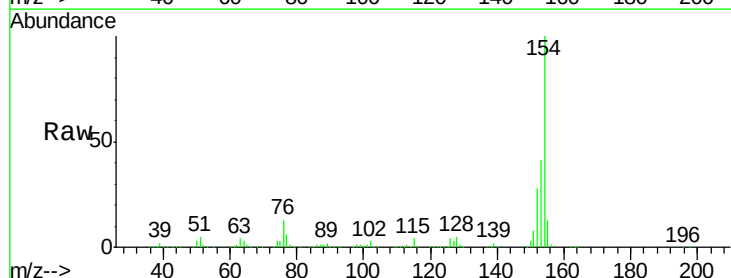
Manual Integrations
APPROVED

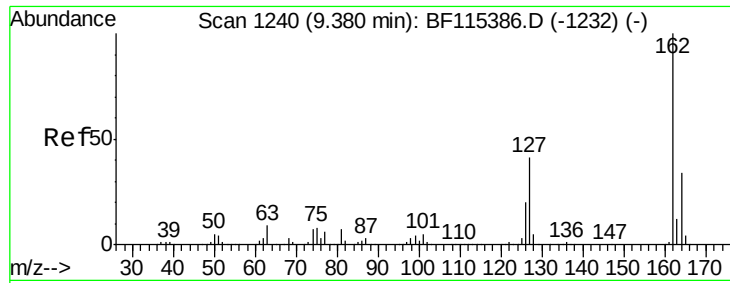
mohammad
7/11/2019 5:22:17 PM



#46
1,1'-Biphenyl
Concen: 46.433 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.5	61.5
76	12.7	0.0	34.6





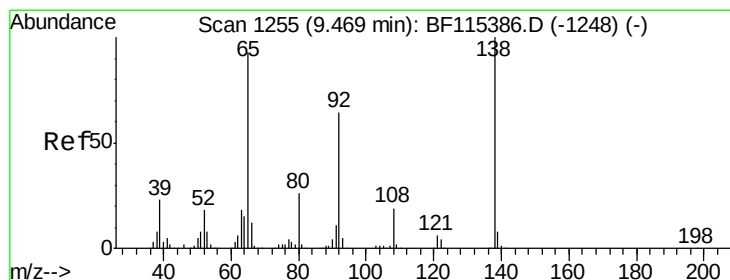
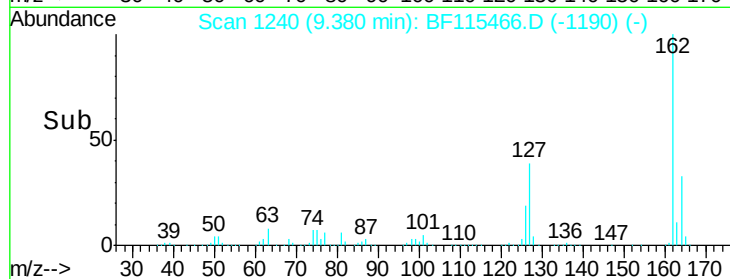
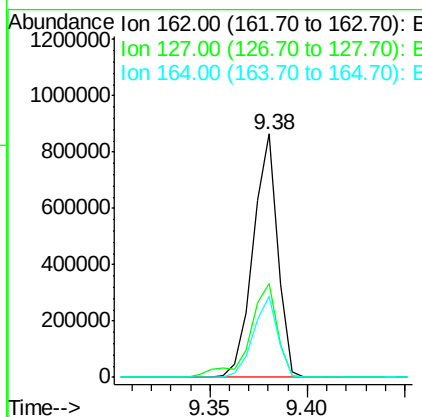
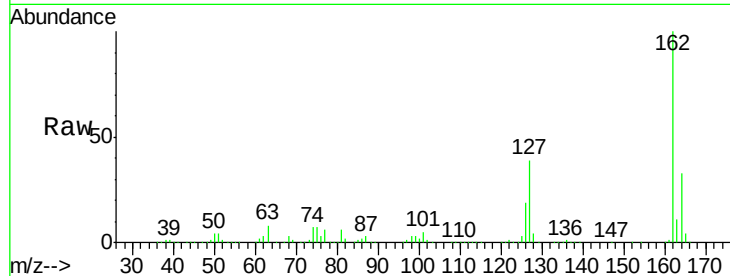
#47
 2-Chloronaphthalene
 Concen: 44.820 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	751900		
127	38.8	31.4	47.0	
164	33.1	27.2	40.8	

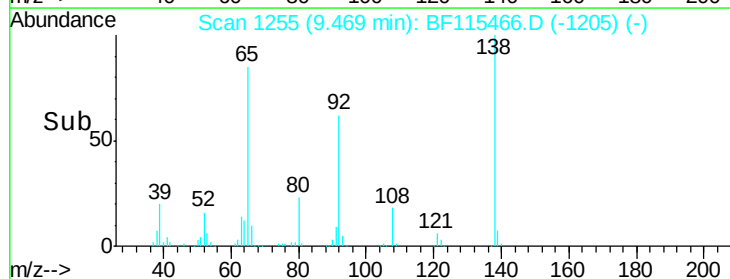
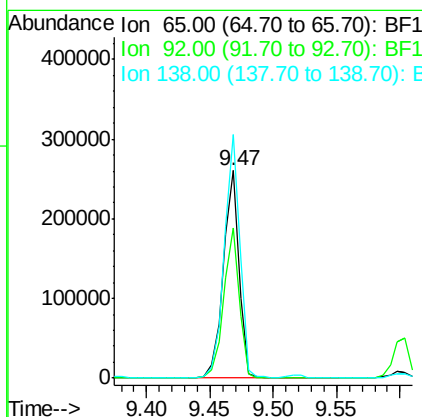
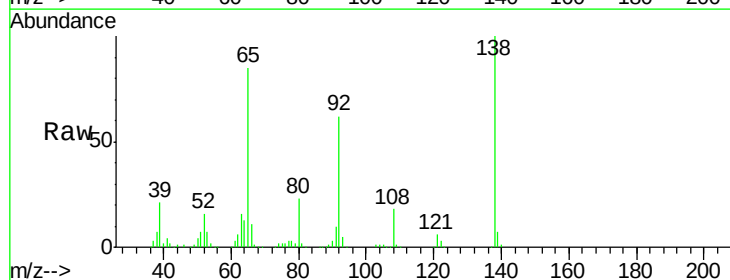
Manual Integrations
 APPROVED

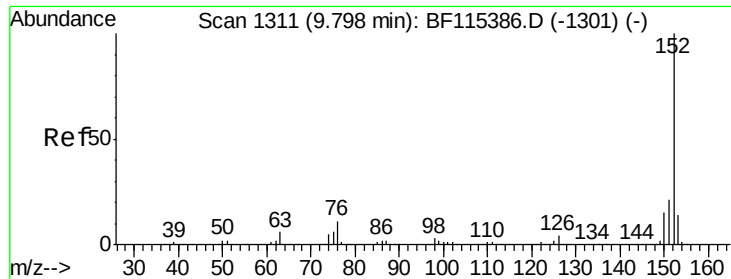
mohammad
 7/11/2019 5:22:17 PM



#48
 2-Nitroaniline
 Concen: 45.861 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	226040		
92	72.4	59.0	88.4	
138	117.3	98.3	147.5	





#49

Acenaphthylene

Concen: 45.400 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF115466.D

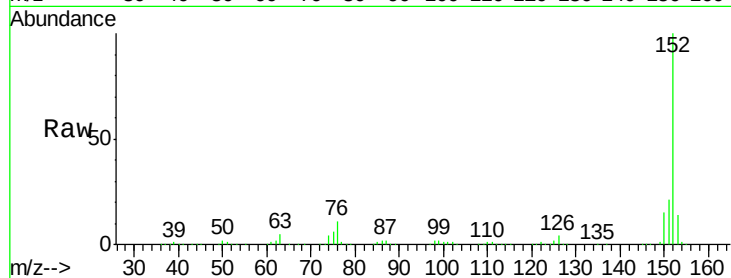
Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

ClientSampleId :

TR-05-070819MSD



Tgt Ion:152 Resp: 1153136

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

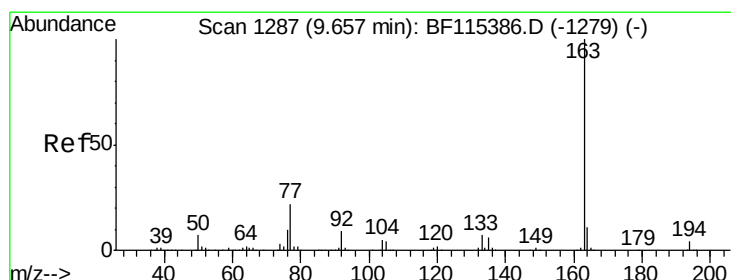
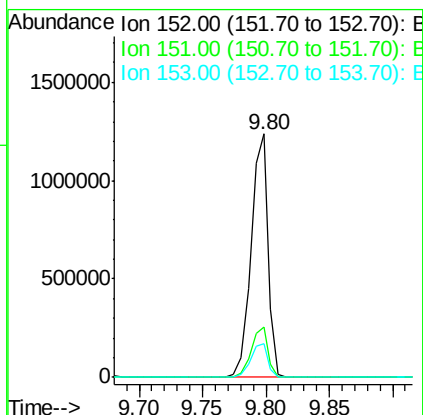
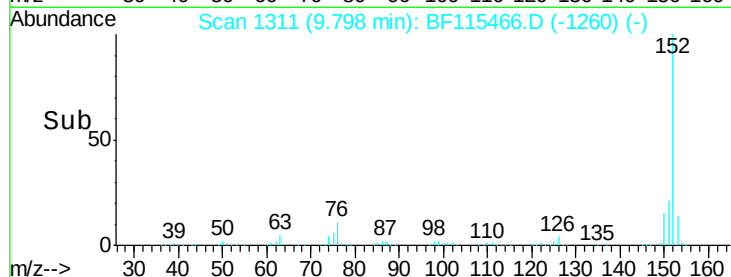
153 14.1 11.8 17.6

Manual Integrations

APPROVED

mohammad

7/11/2019 5:22:17 PM



#50

Dimethylphthalate

Concen: 44.632 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

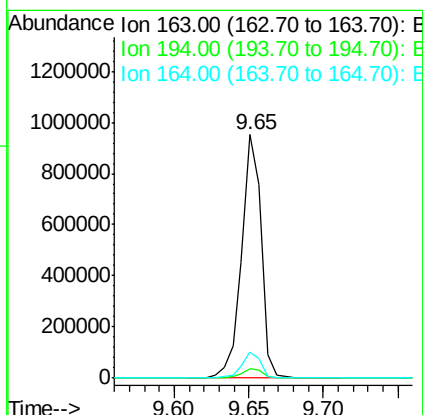
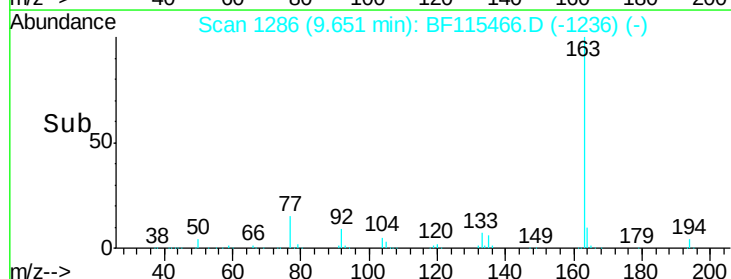
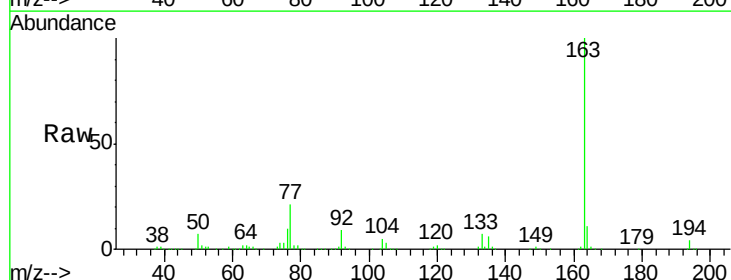
Tgt Ion:163 Resp: 864937

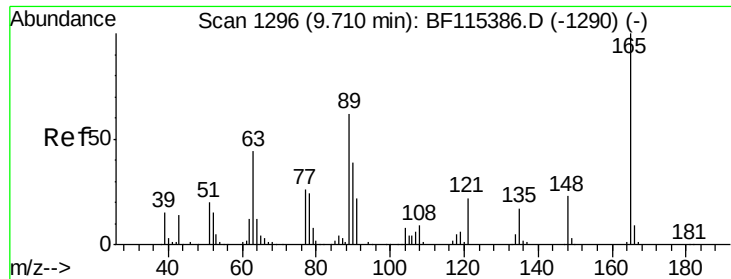
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.6 8.6 13.0





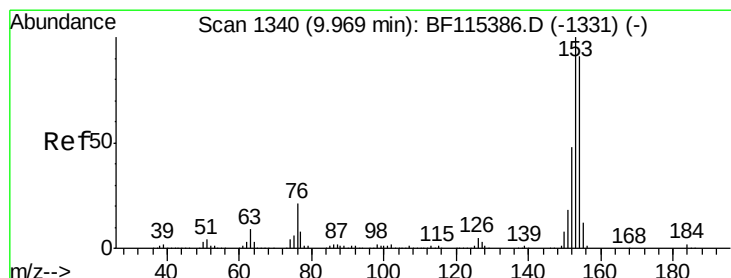
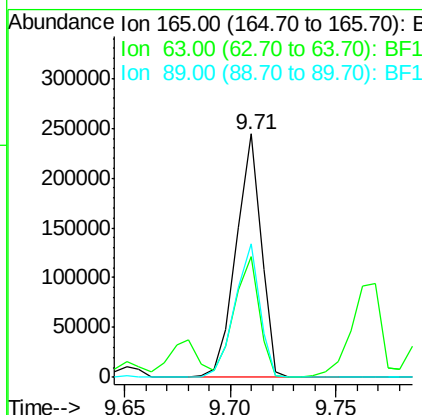
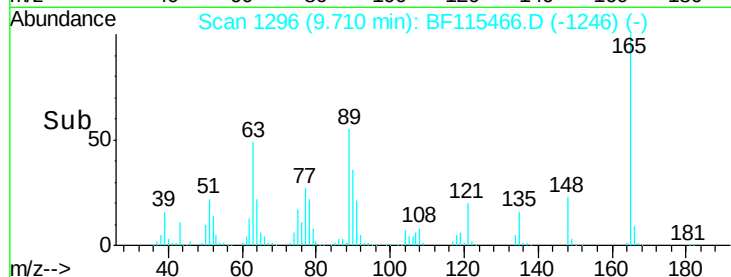
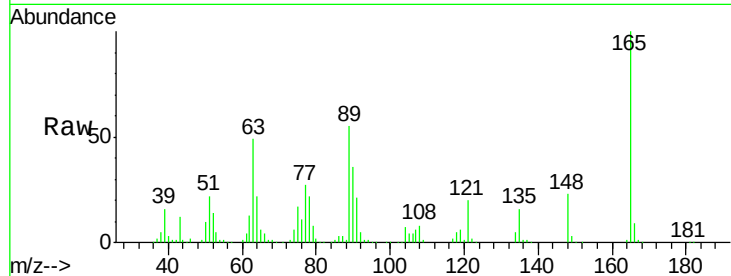
#51
2,6-Dinitrotoluene
Concen: 47.738 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	200641		
63	49.5	39.7	59.5	
89	54.6	42.8	64.2	

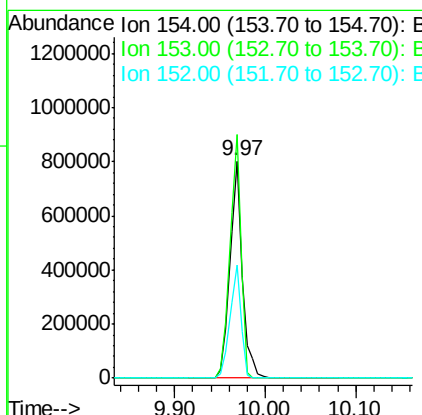
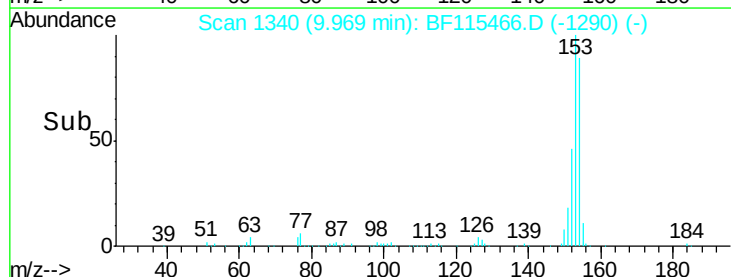
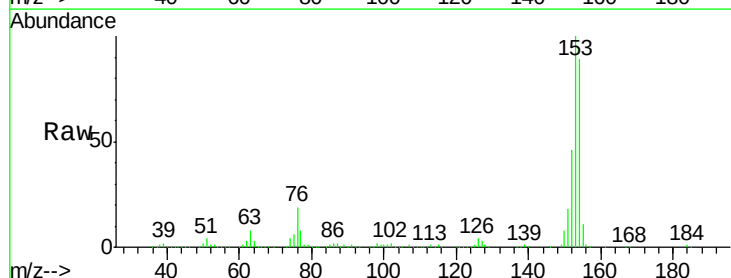
Manual Integrations
APPROVED

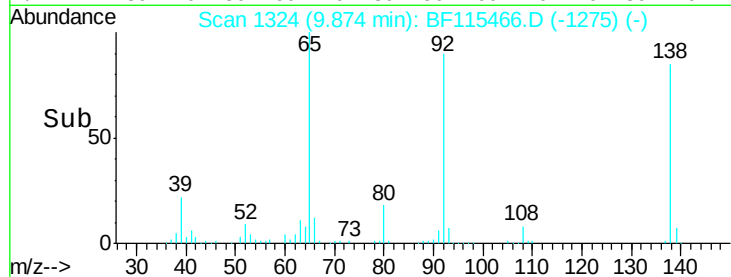
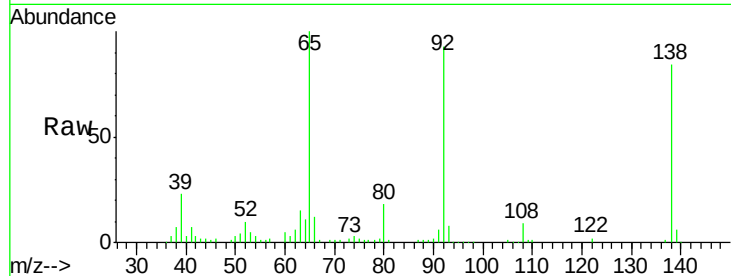
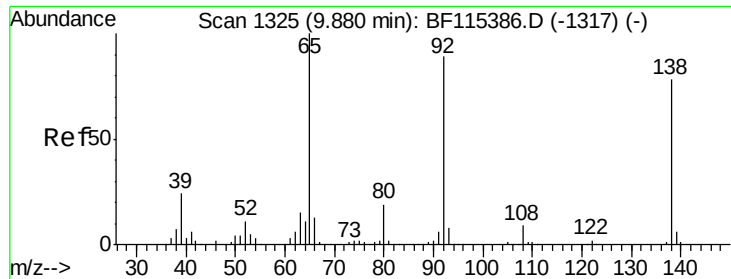
mohammad
7/11/2019 5:22:17 PM



#52
Acenaphthene
Concen: 47.642 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	761578		
153	112.3	89.8	134.8	
152	52.0	41.4	62.0	





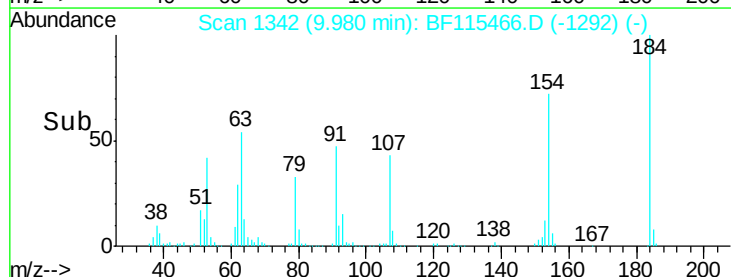
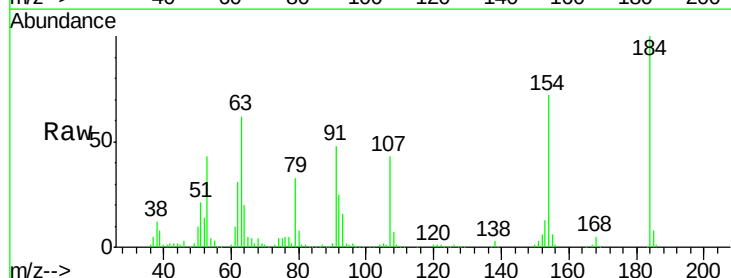
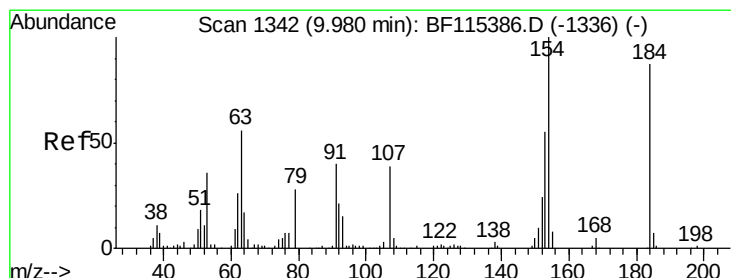
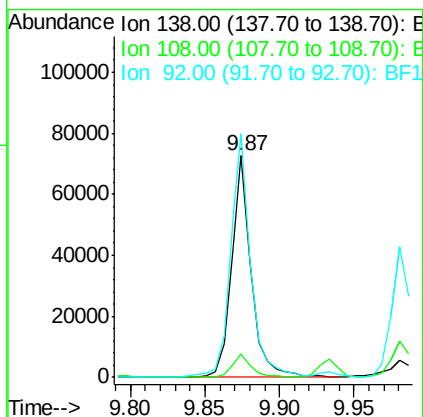
#53
3-Nitroaniline
Concen: 13.820 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion:138 Resp: 67464
Ion Ratio Lower Upper
138 100
108 10.6 8.5 12.7
92 109.9 86.1 129.1

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

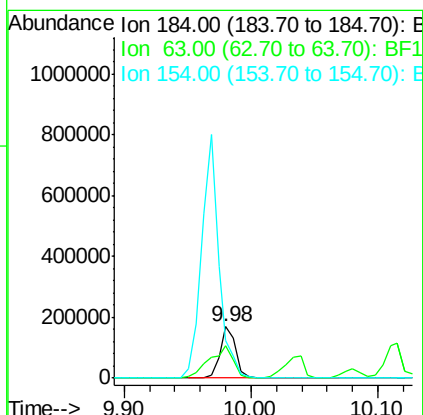
Manual Integrations
APPROVED

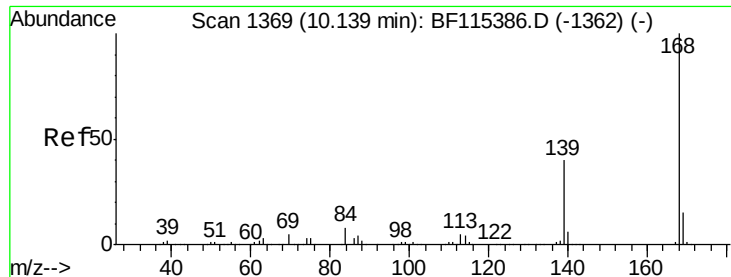
mohammad
7/11/2019 5:22:17 PM



#54
2,4-Dinitrophenol
Concen: 81.545 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion:184 Resp: 148245
Ion Ratio Lower Upper
184 100
63 62.2 45.8 68.6
154 71.8 52.8 79.2





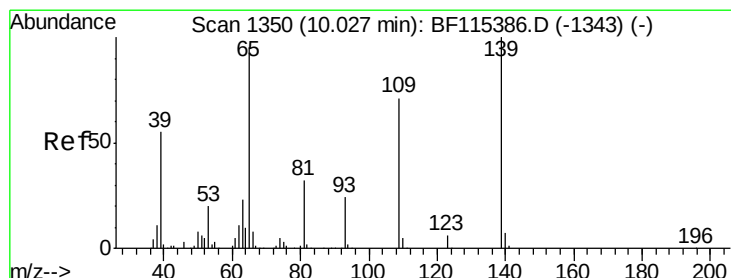
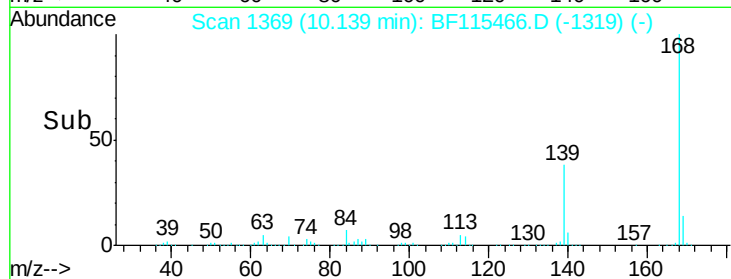
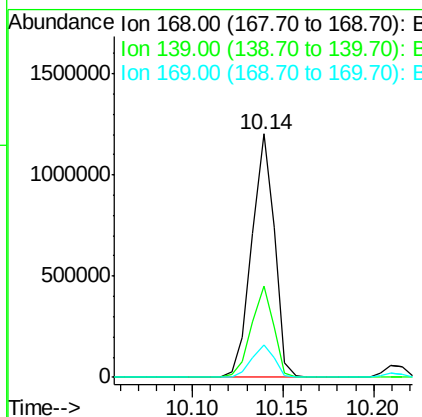
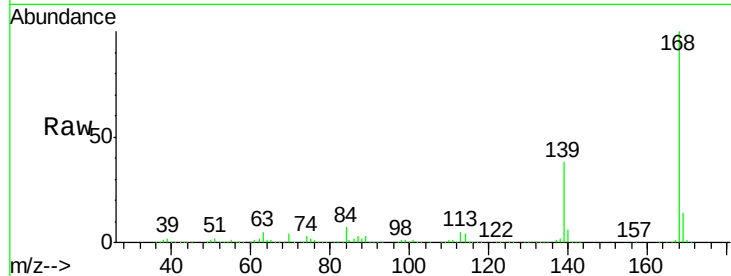
#55
Dibenzenofuran
Concen: 46.474 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion:168 Resp: 1046490
Ion Ratio Lower Upper
168 100
139 37.7 30.6 46.0
169 13.6 11.0 16.6

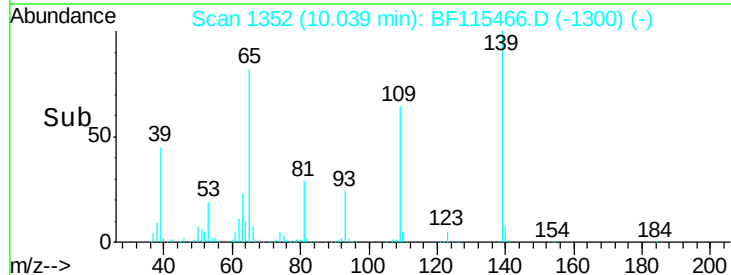
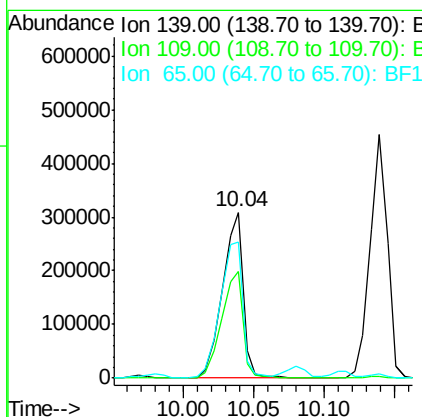
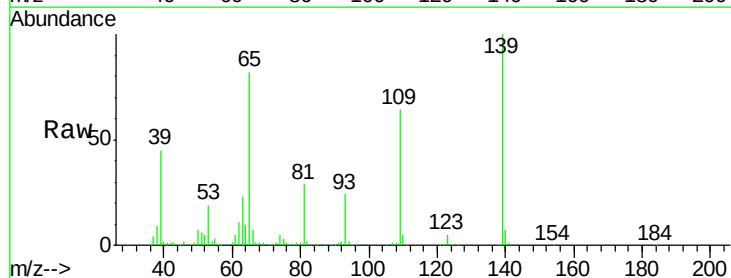
Manual Integrations
APPROVED

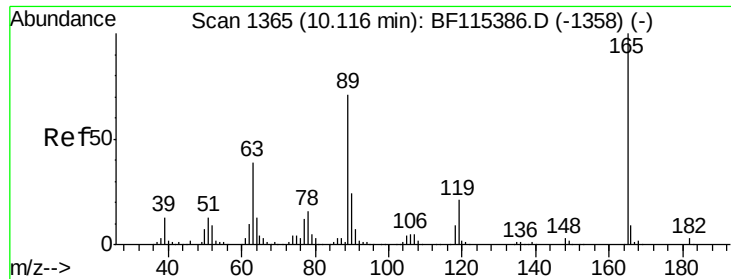
mohammad
7/11/2019 5:22:17 PM



#56
4-Nitrophenol
Concen: 83.971 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion:139 Resp: 317140
Ion Ratio Lower Upper
139 100
109 64.1 46.4 86.4
65 82.0 73.4 113.4





#57

2,4-Dinitrotoluene

Concen: 51.772 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

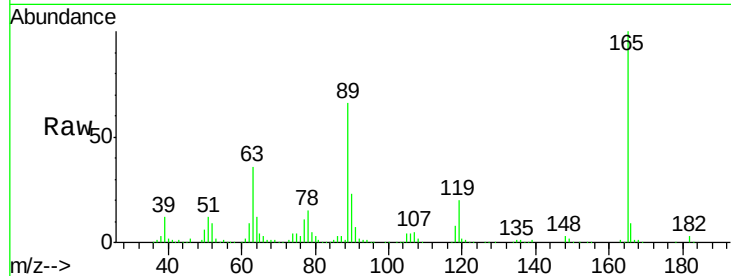
ClientSampleId :

TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	276537		
63	35.6	33.0	49.4	
89	66.5	58.5	87.7	
182	2.6	2.1	3.1	

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM

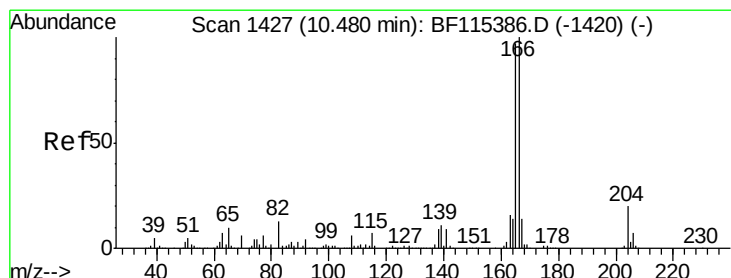
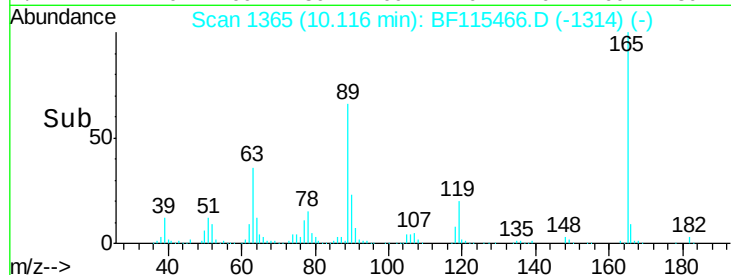
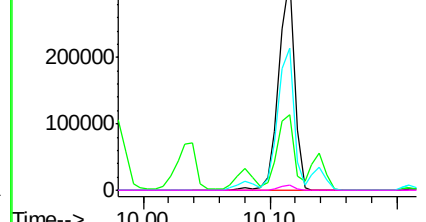


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 43.424 ng

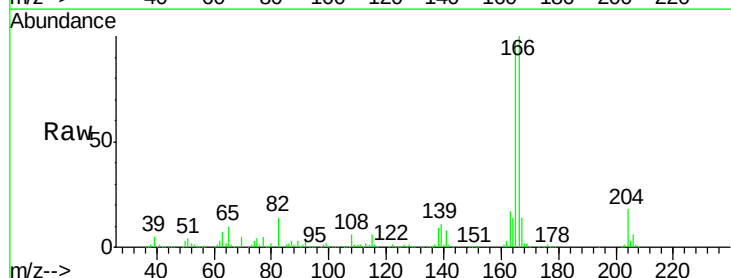
RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

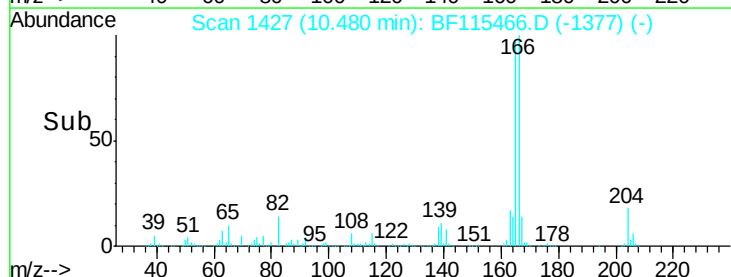
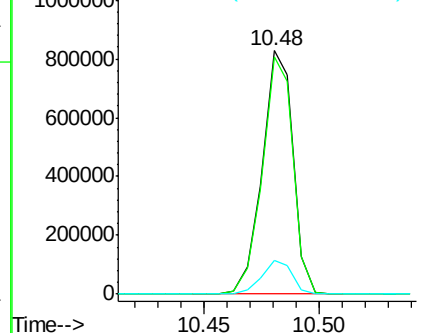
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	770816		
165	97.4	78.7	118.1	
167	13.7	10.8	16.2	

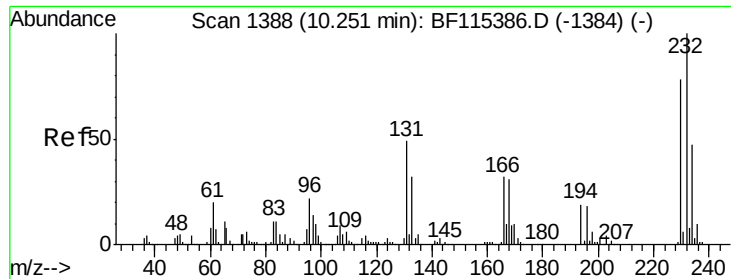


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





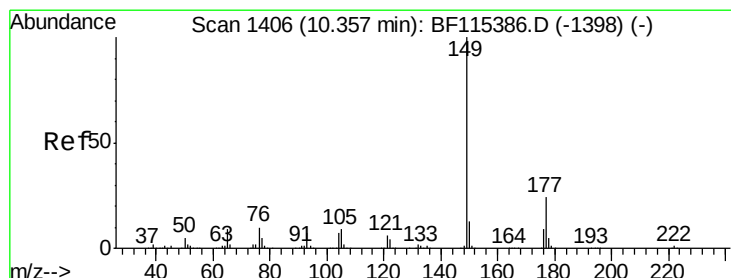
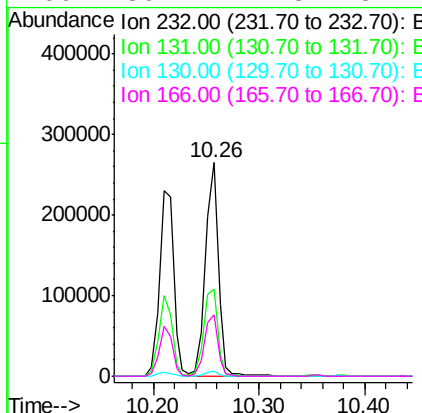
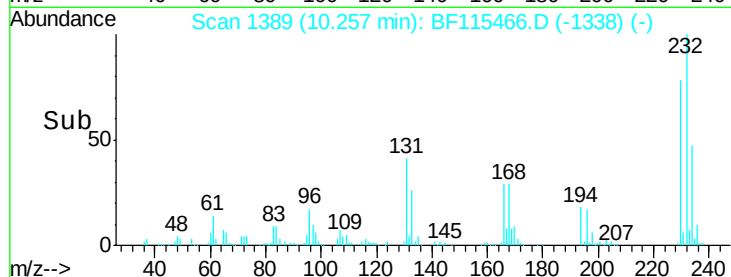
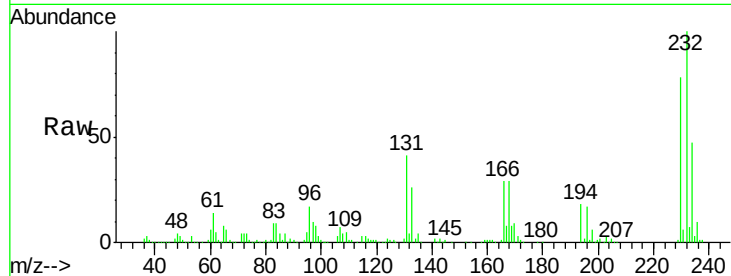
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.342 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	224484		
131	43.9	35.4	53.0	
130	2.2	1.7	2.5	
166	30.4	24.8	37.2	

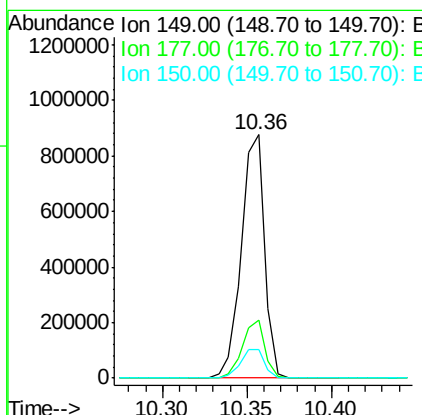
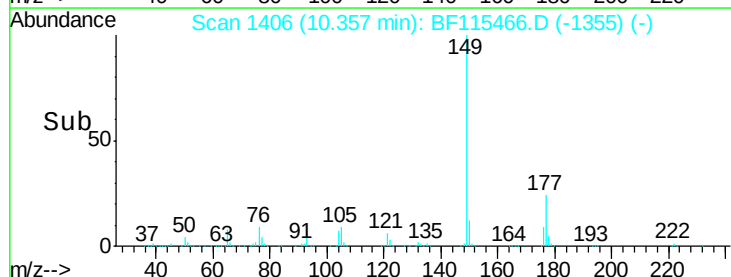
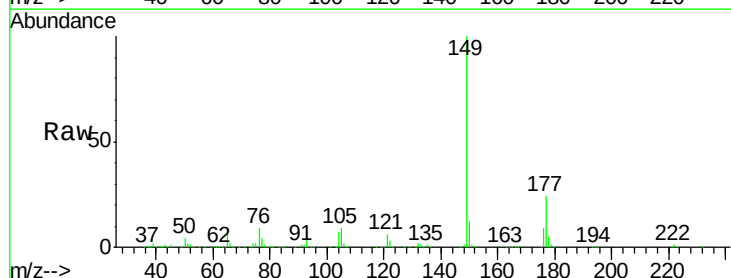
Manual Integrations
 APPROVED

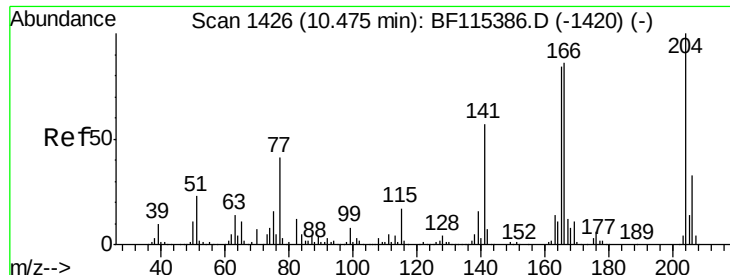
mohammad
 7/11/2019 5:22:17 PM



#60
 Diethylphthalate
 Concen: 43.997 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.00 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	839251		
177	23.8	19.0	28.4	
150	11.9	10.4	15.6	





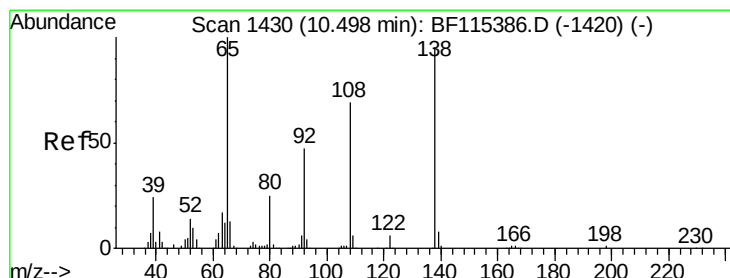
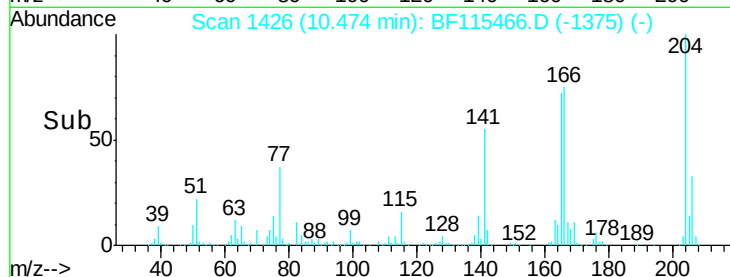
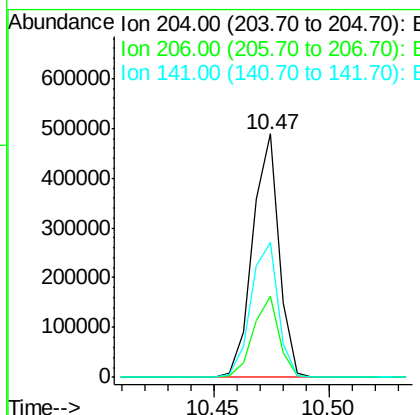
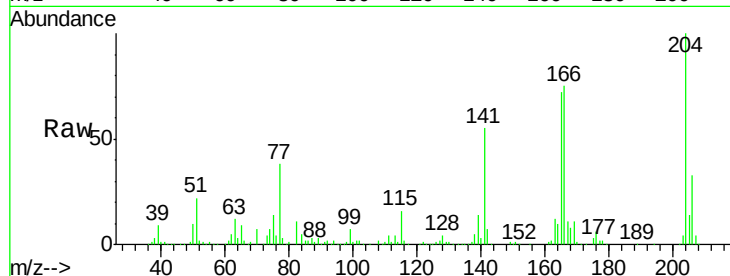
#61
 4-Chlorophenyl-phenylether
 Concen: 44.971 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	55.5	47.9	71.9

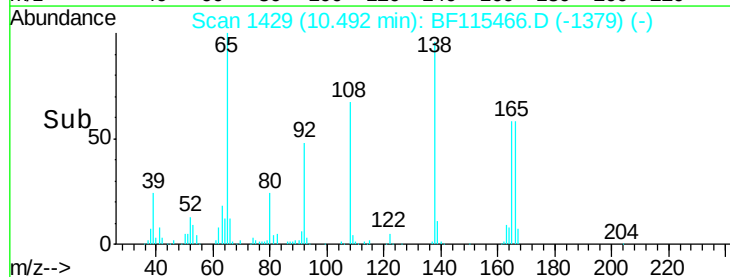
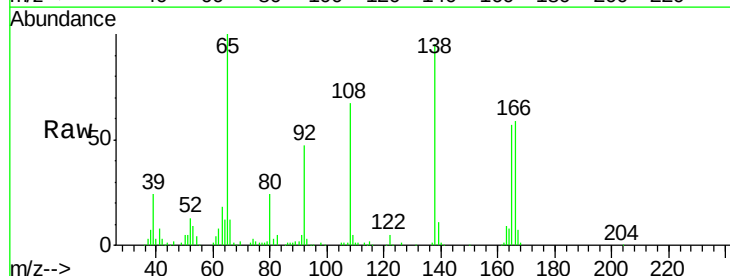
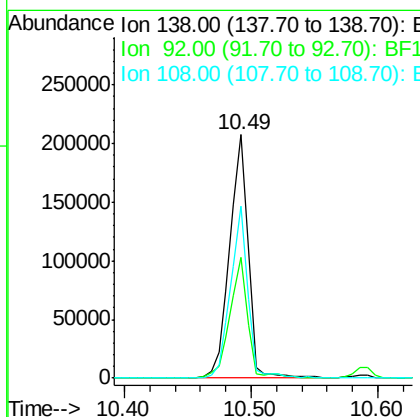
Manual Integrations
 APPROVED

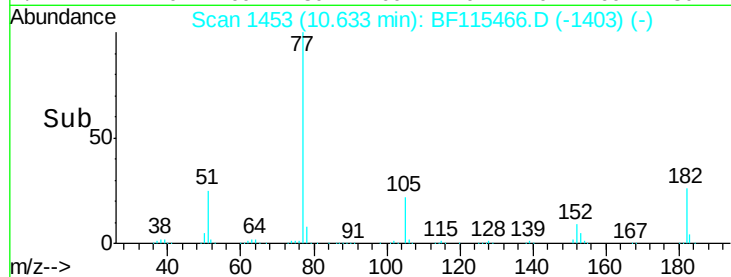
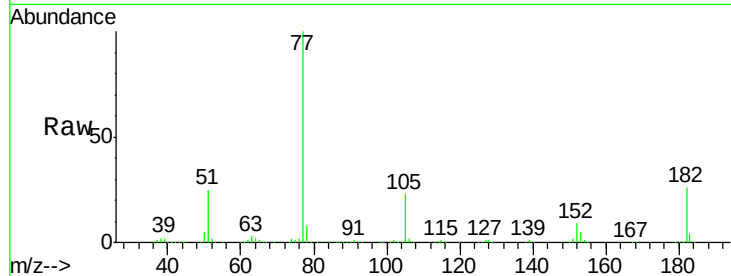
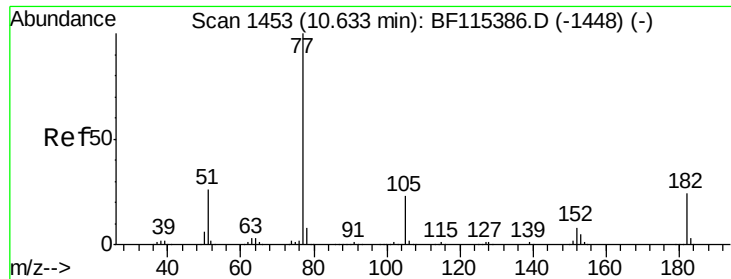
mohammad
 7/11/2019 5:22:17 PM



#62
 4-Nitroaniline
 Concen: 43.762 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.9	69.9
108	70.6	49.0	89.0





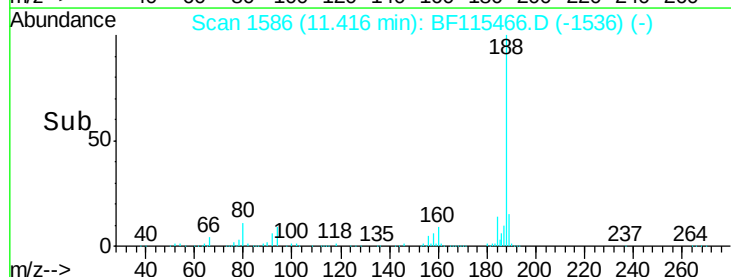
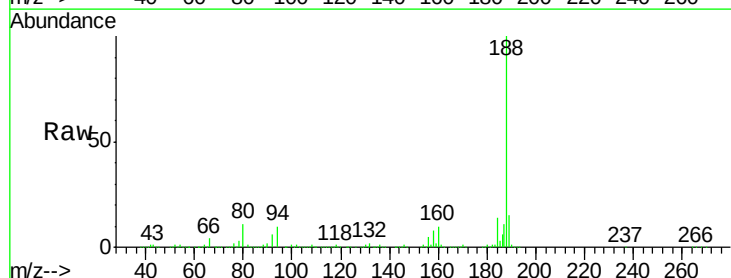
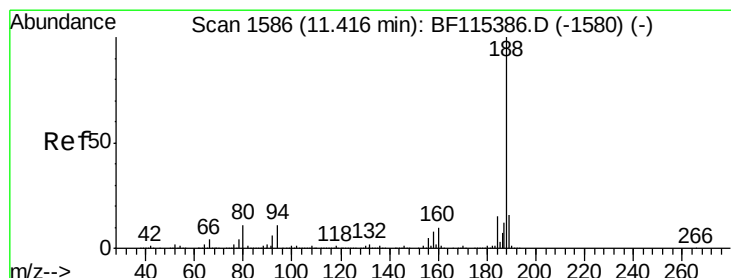
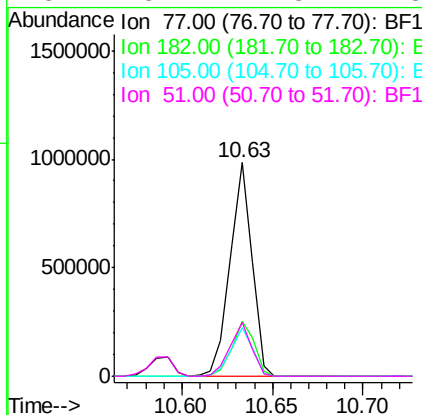
#63
Azobenzene
Concen: 42.277 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.0	7.7	47.7
105	23.0	3.6	43.6
51	25.4	4.8	44.8

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

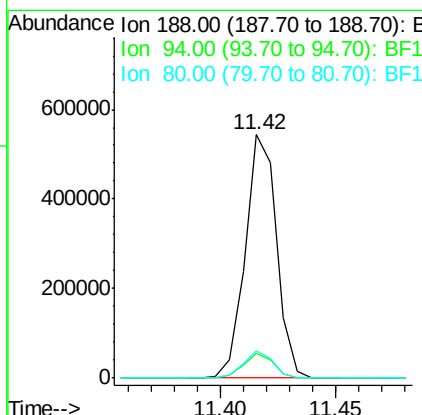
Manual Integrations
APPROVED

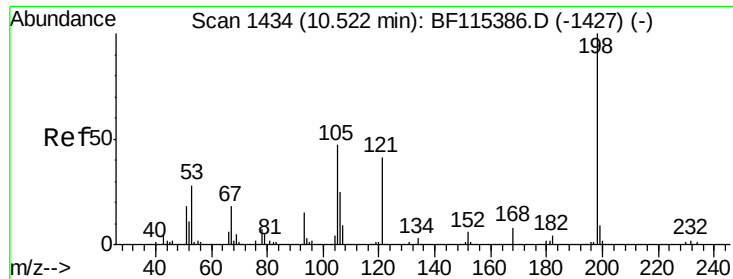
mohammad
7/11/2019 5:22:17 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.8
80	11.2	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 48.126 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

ClientSampleId :

TR-05-070819MSD

Tgt Ion:198 Resp: 118921
Ion Ratio Lower Upper

198 100

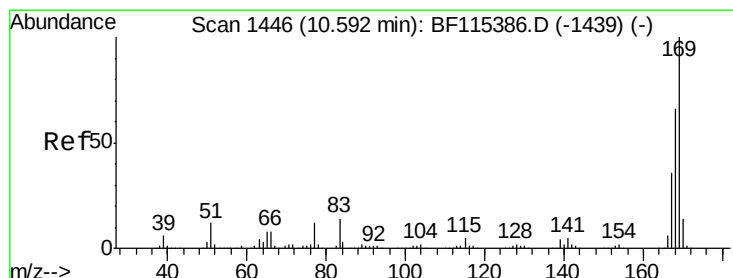
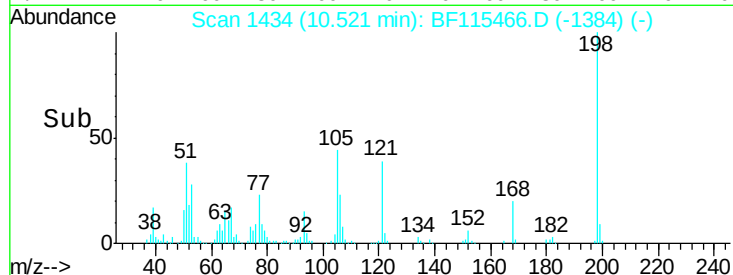
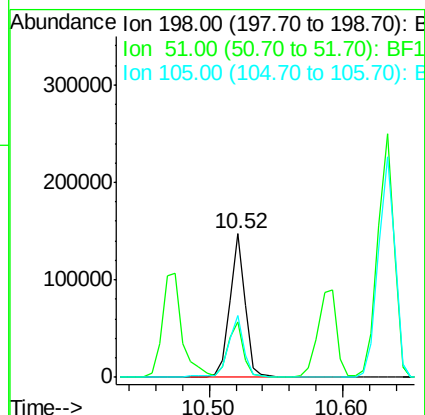
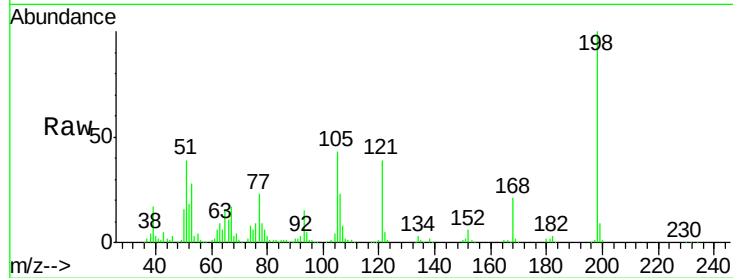
51 38.6 20.7 60.7

105 43.4 25.3 65.3

Manual Integrations
APPROVED

mohammad

7/11/2019 5:22:17 PM



#66

n-Nitrosodiphenylamine

Concen: 44.502 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF115466.D

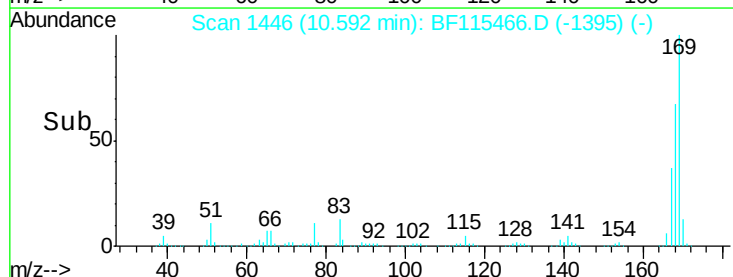
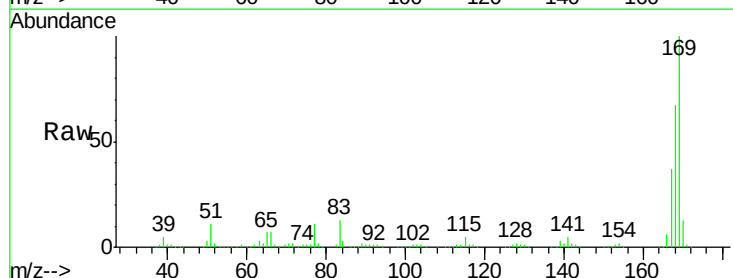
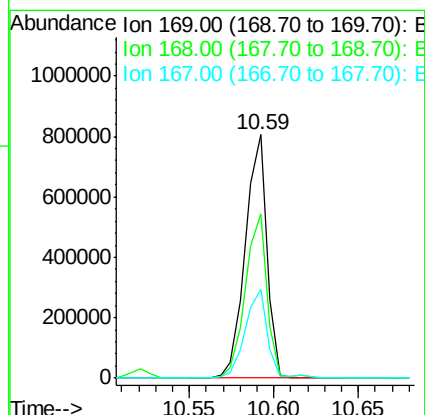
Acq: 10 Jul 2019 20:23

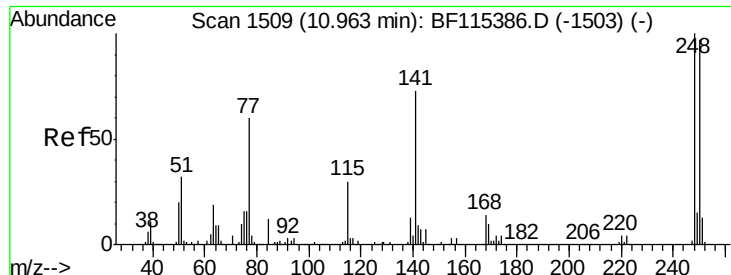
Tgt Ion:169 Resp: 723276
Ion Ratio Lower Upper

169 100

168 67.4 53.2 79.8

167 36.6 29.4 44.2





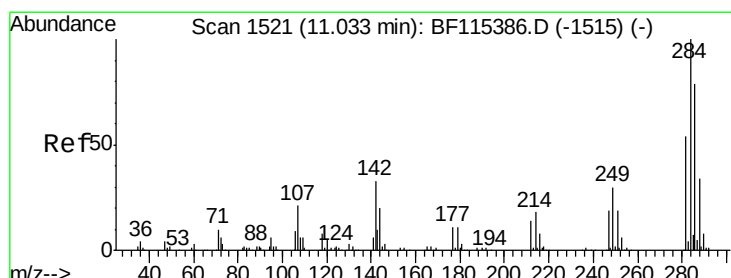
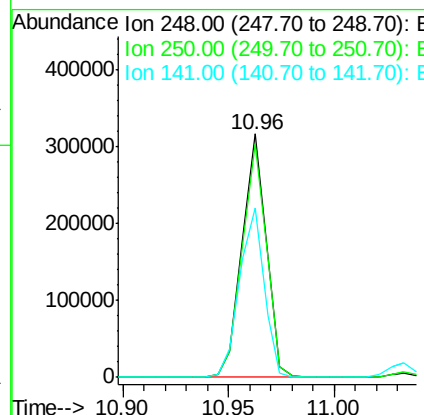
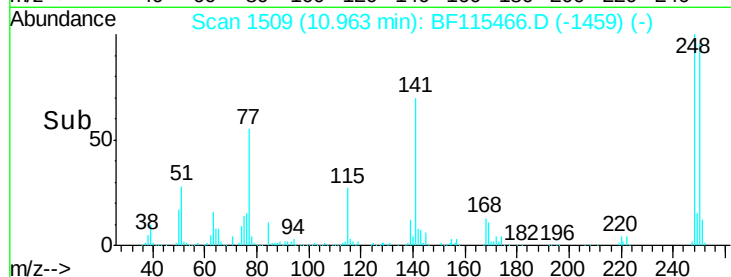
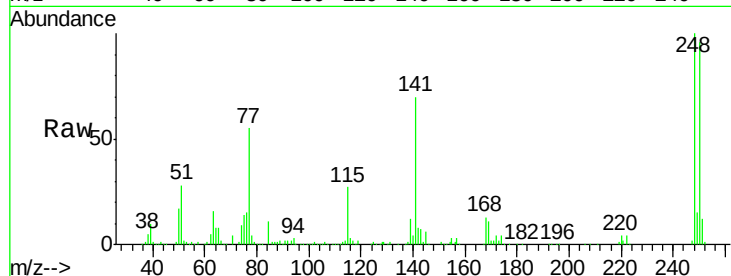
#67
 4-Bromophenyl-phenylether
 Concen: 43.128 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.9	78.3	117.5
141	69.7	52.2	78.2

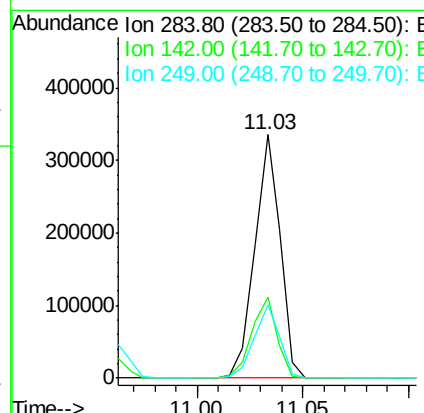
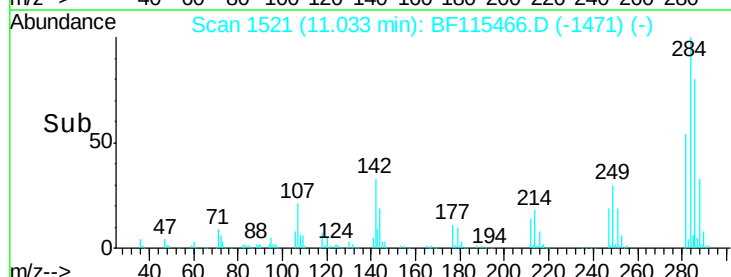
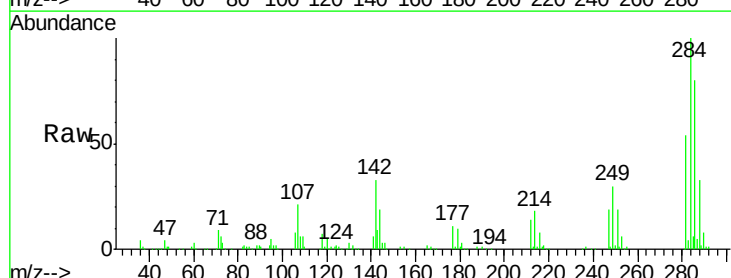
Manual Integrations
 APPROVED

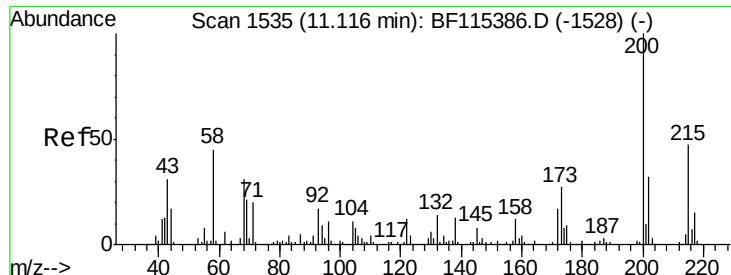
mohammad
 7/11/2019 5:22:17 PM



#68
 Hexachlorobenzene
 Concen: 43.096 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.5	23.9	35.9
249	30.2	23.6	35.4





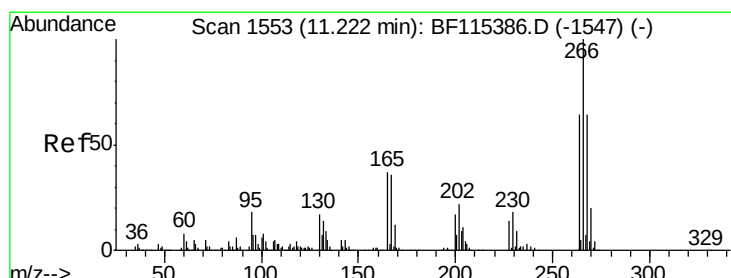
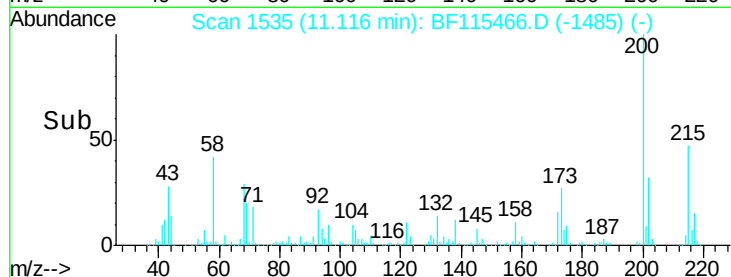
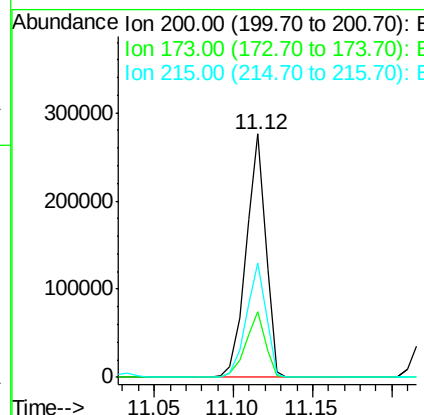
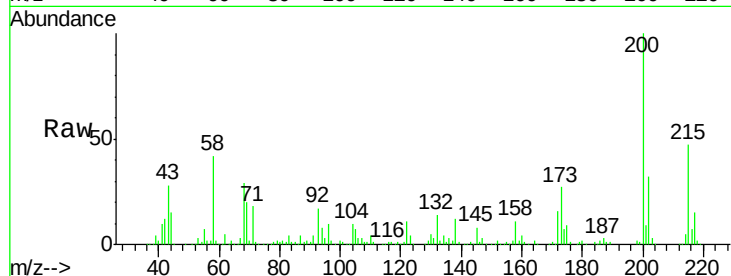
#69
 Atrazine
 Concen: 46.947 ng
 RT: 11.12 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	27.0	7.0	47.0
215	47.0	27.8	67.8

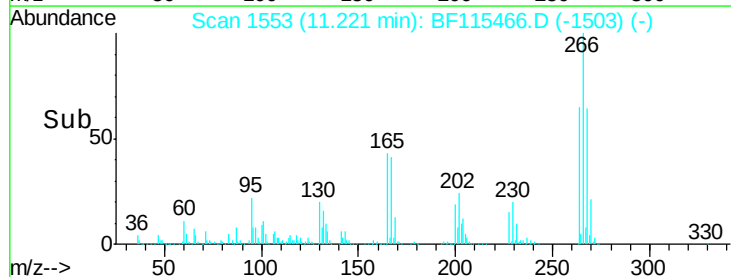
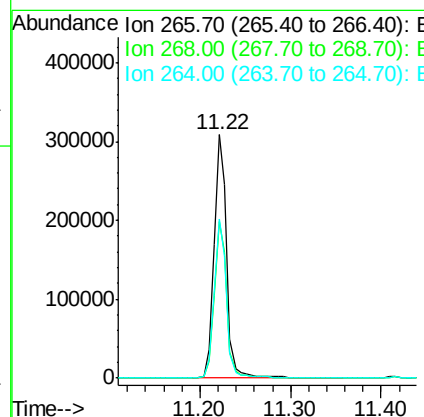
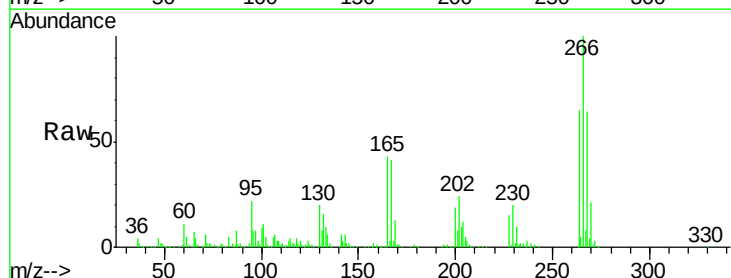
Manual Integrations
 APPROVED

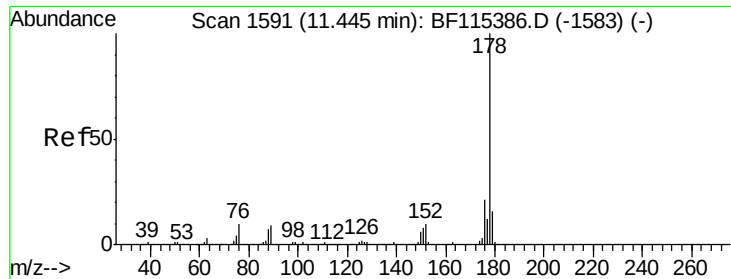
mohammad
 7/11/2019 5:22:17 PM



#70
 Pentachlorophenol
 Concen: 76.890 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.1	51.2	76.8
264	65.5	50.6	75.8





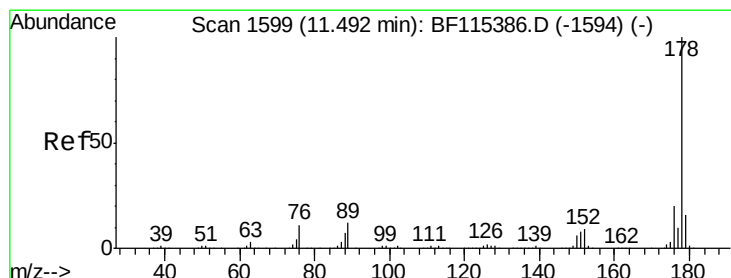
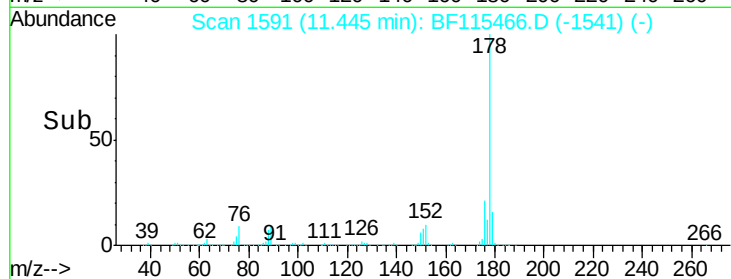
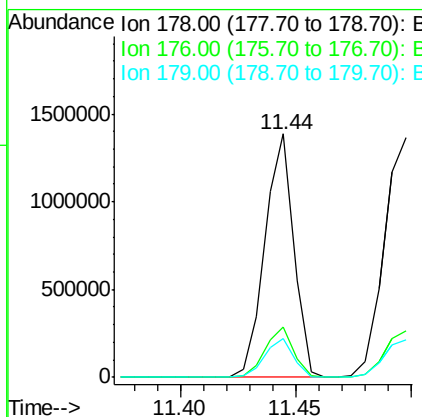
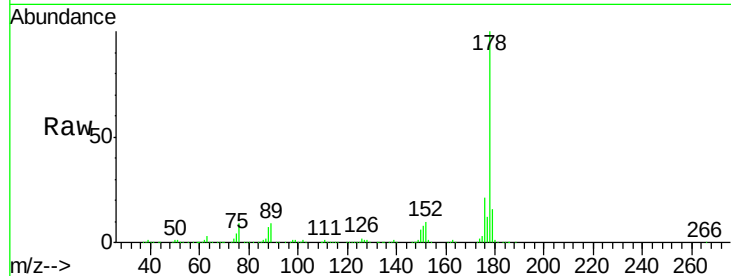
#71
Phenanthrene
Concen: 44.561 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion:178 Resp: 1208881
Ion Ratio Lower Upper
178 100
176 20.7 16.6 24.8
179 16.0 12.7 19.1

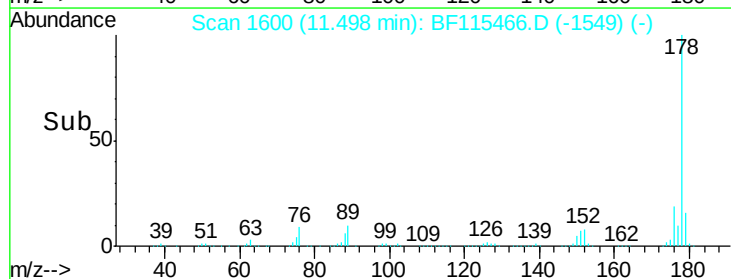
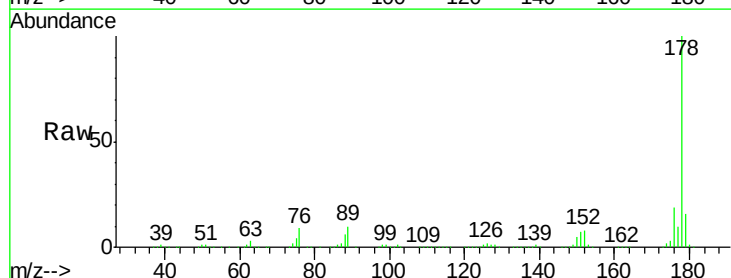
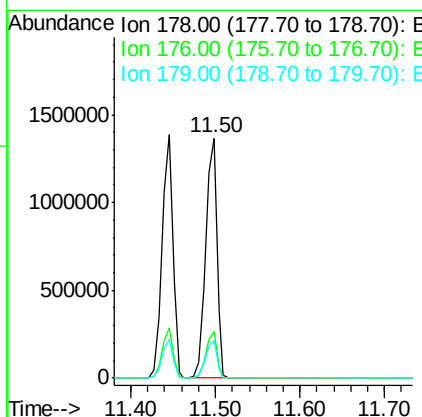
Manual Integrations
APPROVED

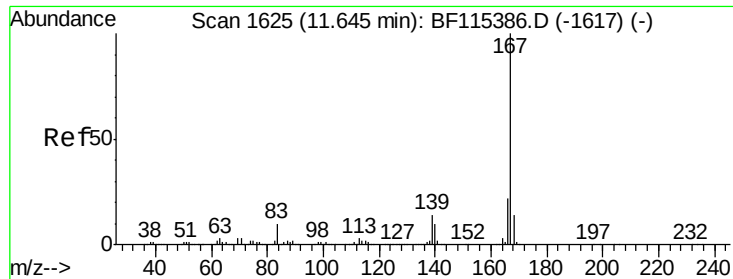
mohammad
7/11/2019 5:22:17 PM



#72
Anthracene
Concen: 46.235 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion:178 Resp: 1257766
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 15.6 13.0 19.6





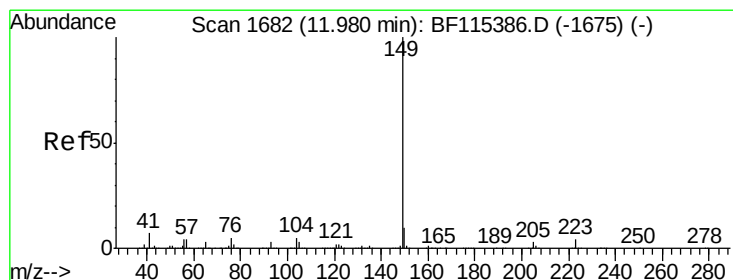
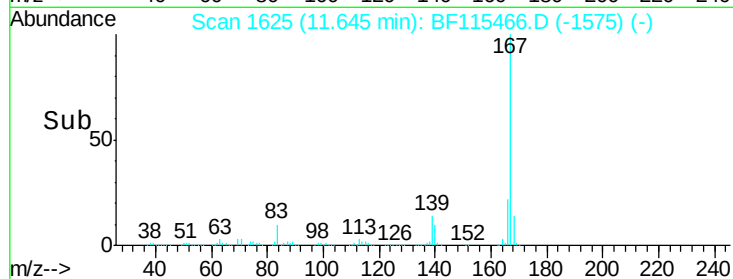
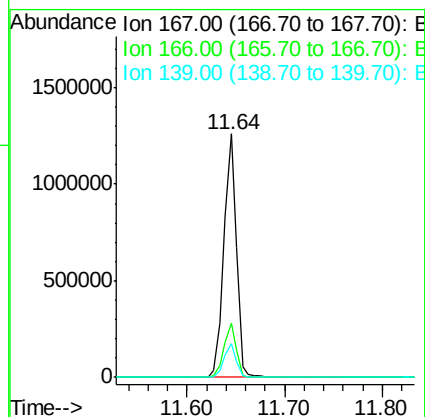
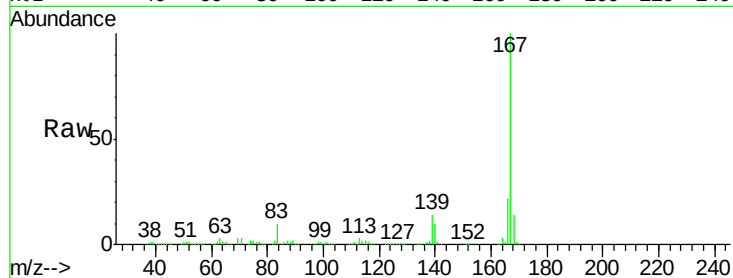
#73
 Carbazole
 Concen: 45.385 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion:167 Resp: 1129495
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.8
 139 13.9 10.9 16.3

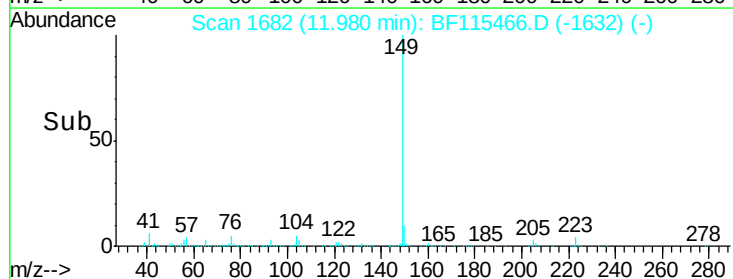
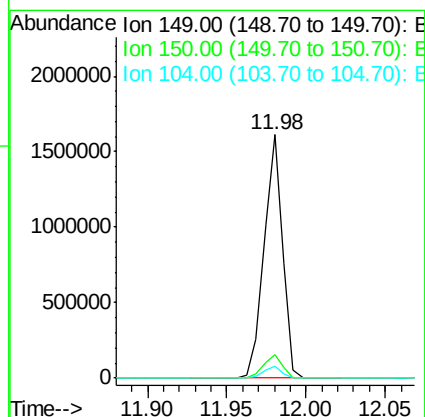
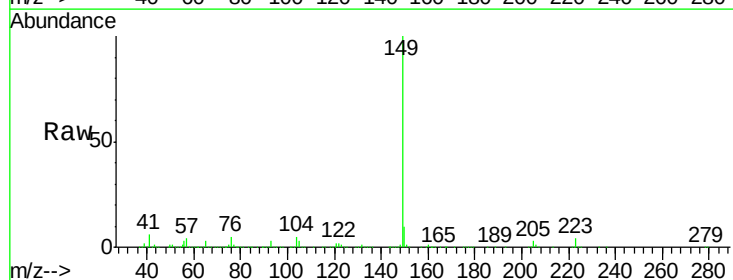
Manual Integrations
 APPROVED

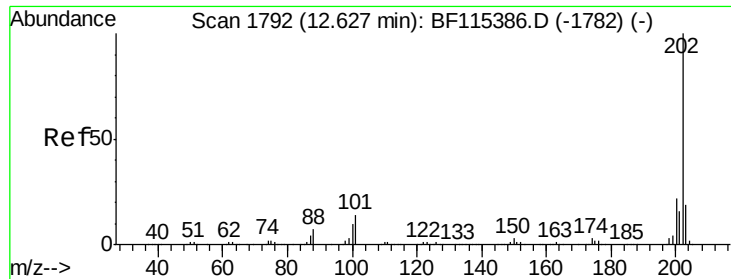
mohammad
 7/11/2019 5:22:17 PM



#74
 Di-n-butylphthalate
 Concen: 43.967 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion:149 Resp: 1322422
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.6 11.4
 104 5.0 3.9 5.9





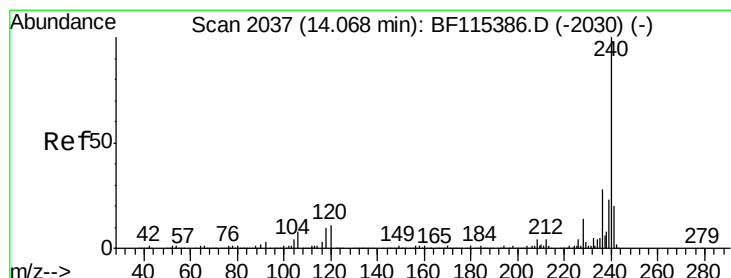
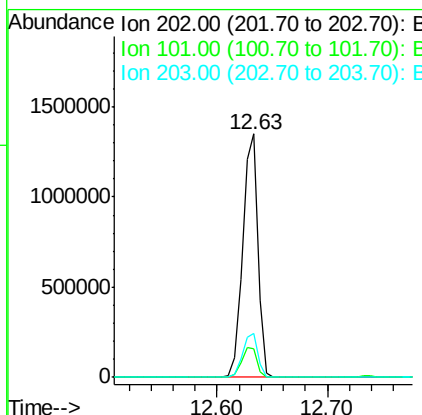
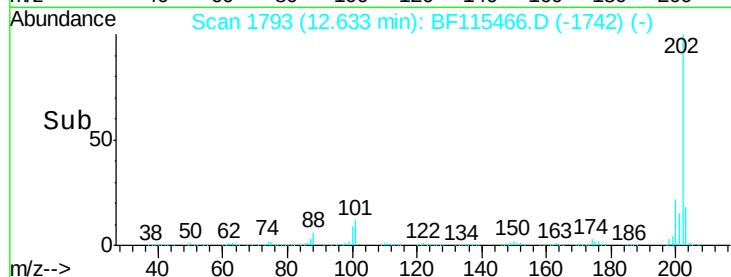
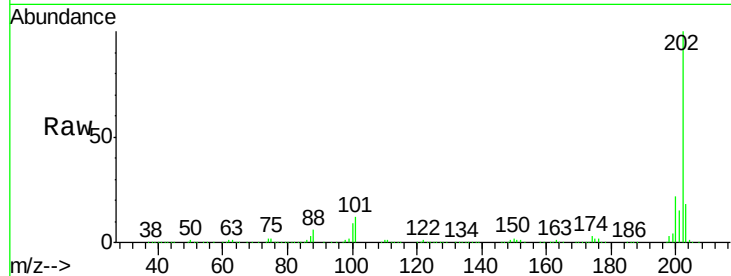
#75
Fluoranthene
Concen: 45.669 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.00 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1304498		
101	11.9	0.0	33.9	
203	18.0	0.0	38.4	

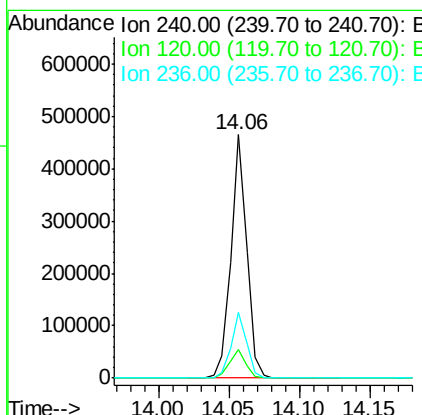
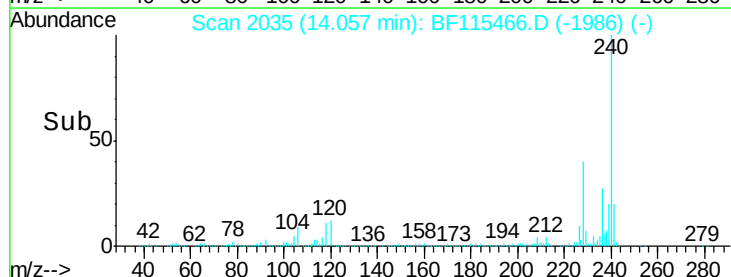
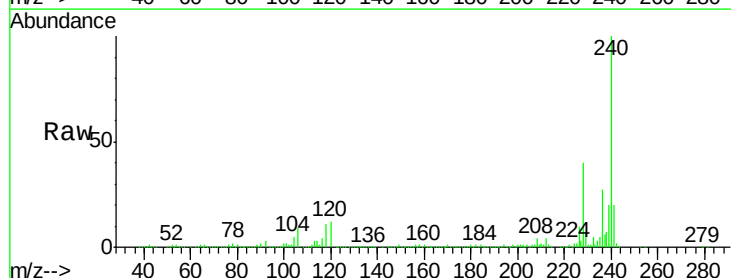
Manual Integrations
APPROVED

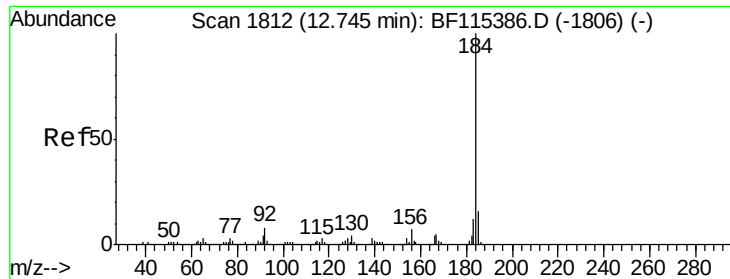
mohammad
7/11/2019 5:22:17 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	361496		
120	11.8	10.2	15.4	
236	26.7	21.1	31.7	





#77

Benzidine

Concen: 13.219 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

ClientSampleId :

TR-05-070819MSD

Tgt Ion:184 Resp: 186344

Ion Ratio Lower Upper

184 100

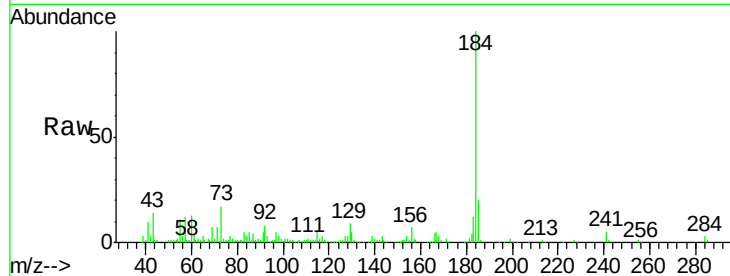
185 19.8 13.0 19.6#

183 11.6 9.7 14.5

Manual Integrations
APPROVED

mohammad

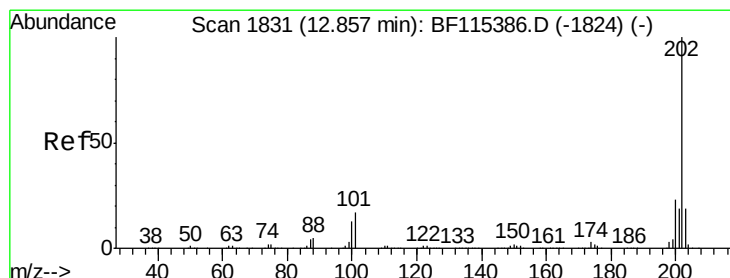
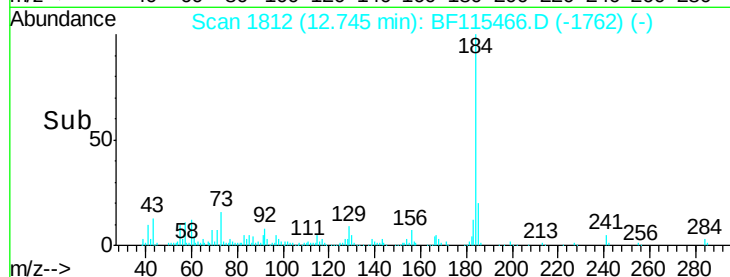
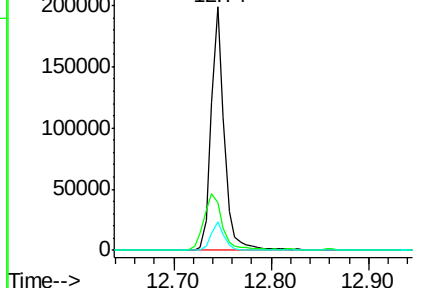
7/11/2019 5:22:17 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.107 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:202 Resp: 1324250

Ion Ratio Lower Upper

202 100

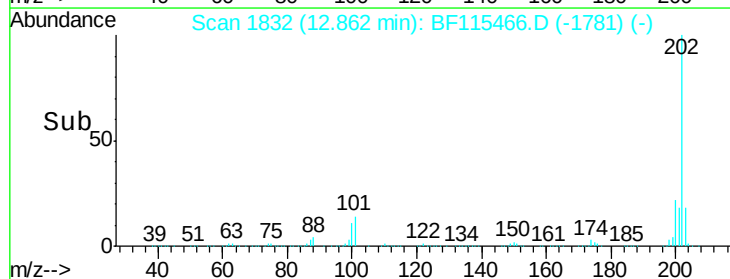
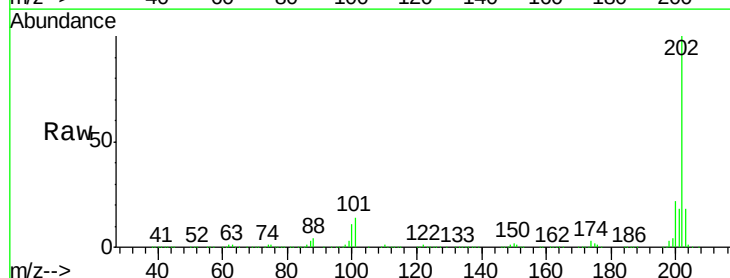
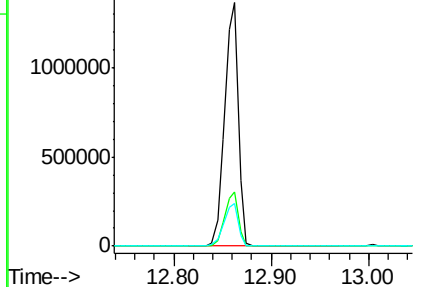
200 22.1 17.6 26.4

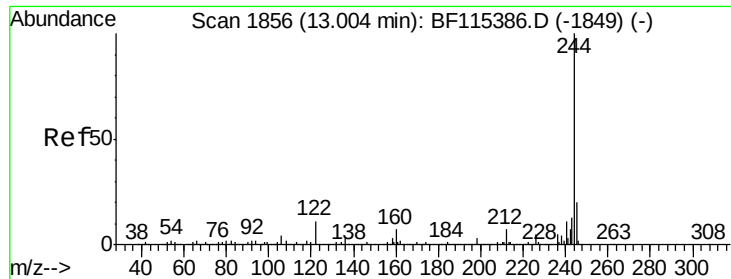
203 17.8 14.7 22.1

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





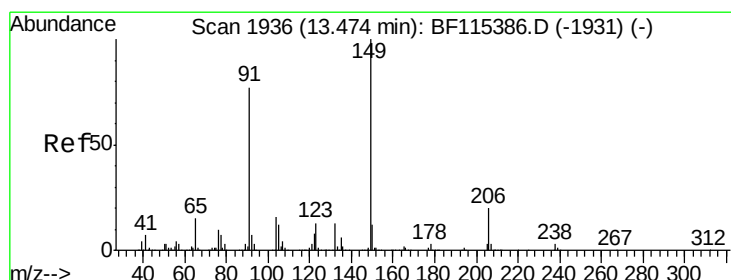
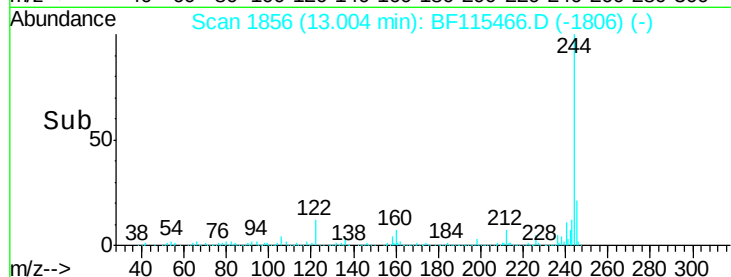
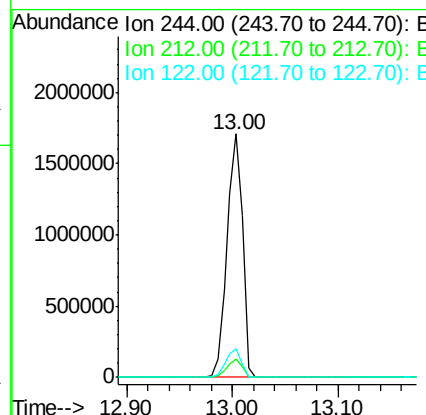
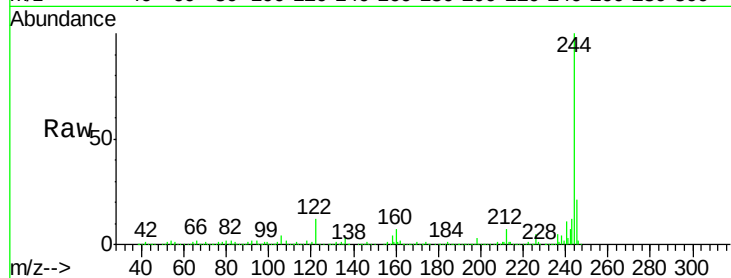
#79
 Terphenyl-d14
 Concen: 99.656 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	12.0	9.1	13.7

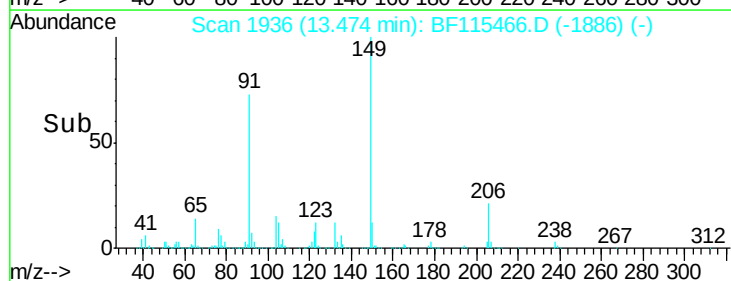
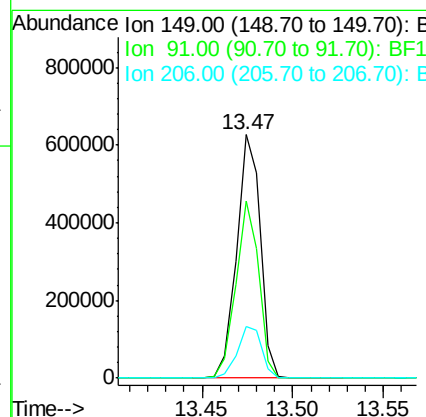
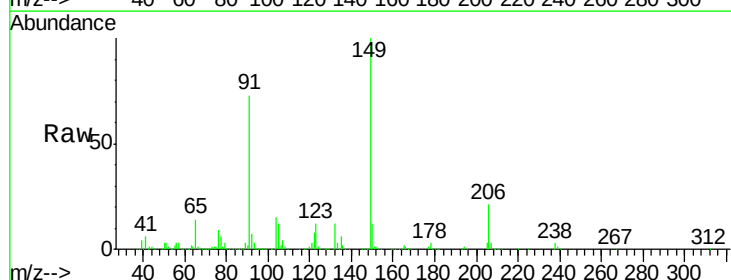
Manual Integrations
 APPROVED

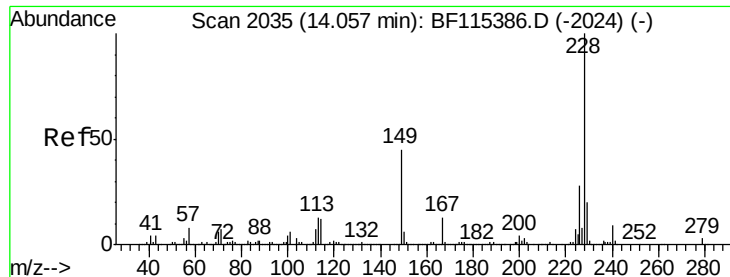
mohammad
 7/11/2019 5:22:17 PM



#80
 Butylbenzylphthalate
 Concen: 46.210 ng
 RT: 13.47 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.9	57.8	86.6
206	21.1	16.9	25.3





#81

Benzo(a)anthracene

Concen: 45.073 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

ClientSampleId :

TR-05-070819MSD

Tgt Ion:228 Resp: 1043991

Ion Ratio Lower Upper

228 100

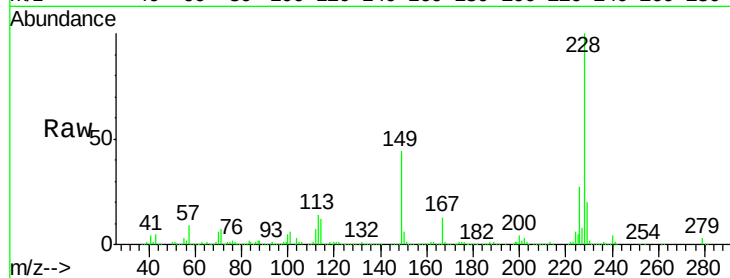
226 27.4 22.6 34.0

229 20.3 16.4 24.6

Manual Integrations
APPROVED

mohammad

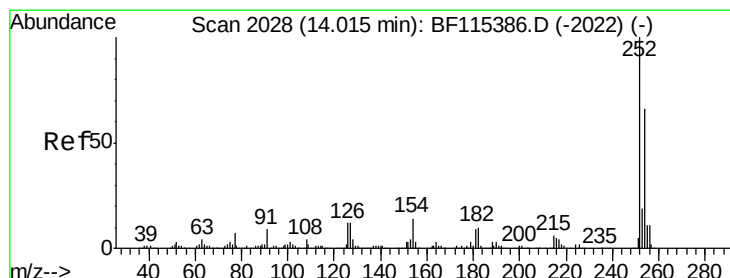
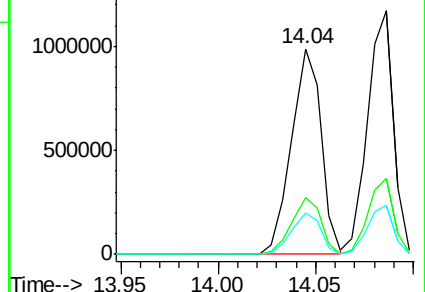
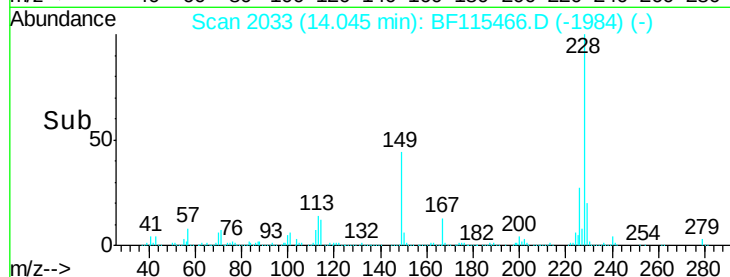
7/11/2019 5:22:17 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 13.975 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

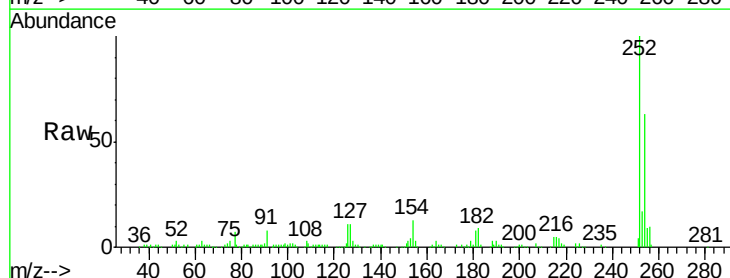
Tgt Ion:252 Resp: 117456

Ion Ratio Lower Upper

252 100

254 62.9 52.9 79.3

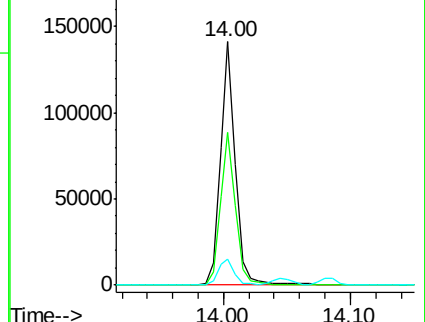
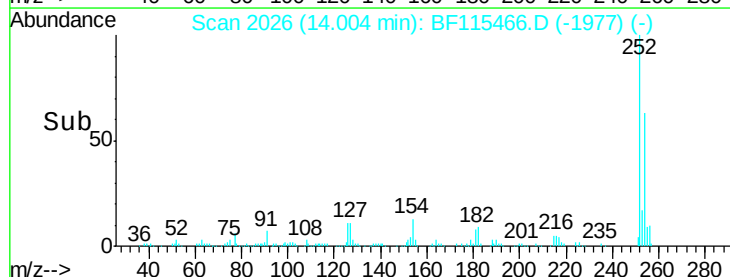
126 10.8 10.0 15.0

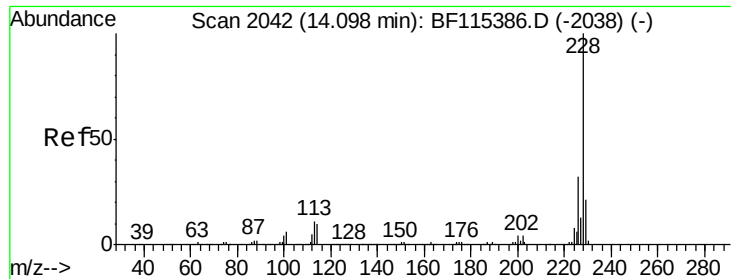


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





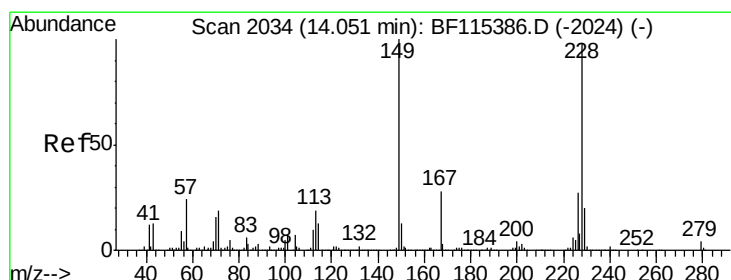
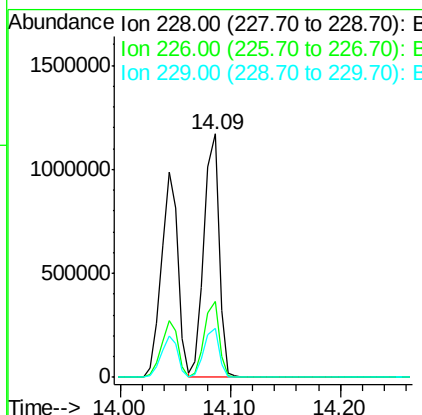
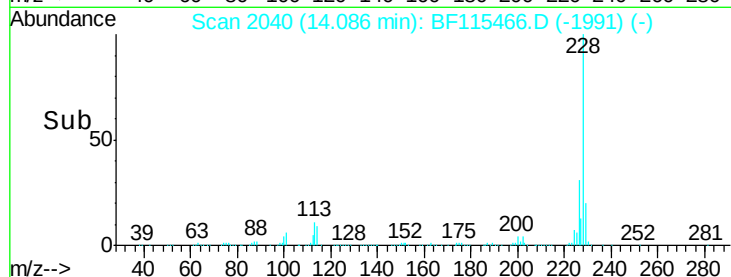
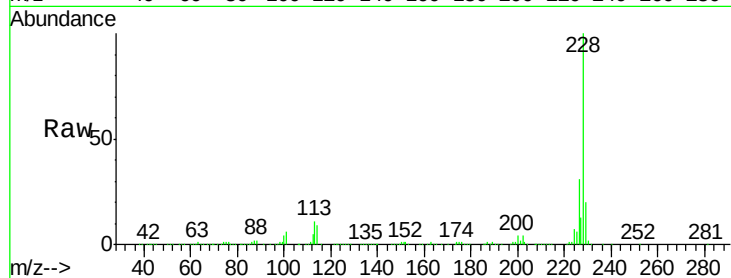
#83
Chrysene
 Concen: 45.309 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-070819MSD

Tgt Ion:228 Resp: 1078298
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.1 37.7
 229 20.2 16.1 24.1

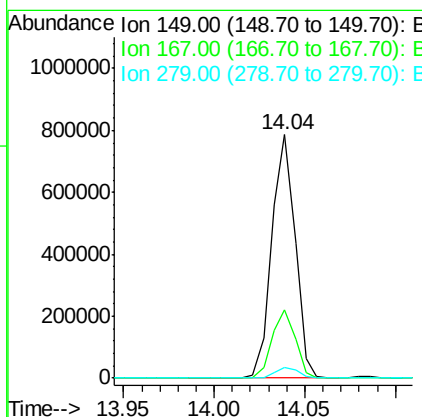
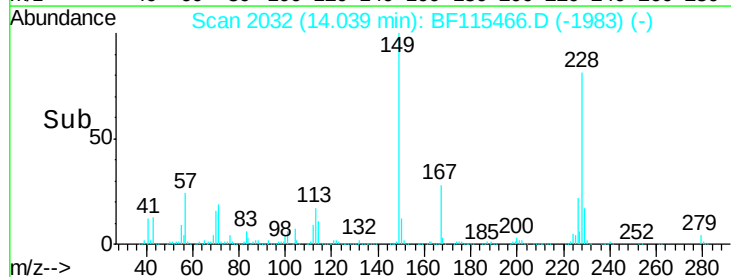
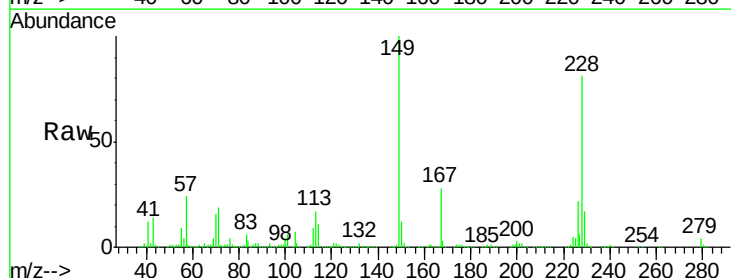
Manual Integrations
 APPROVED

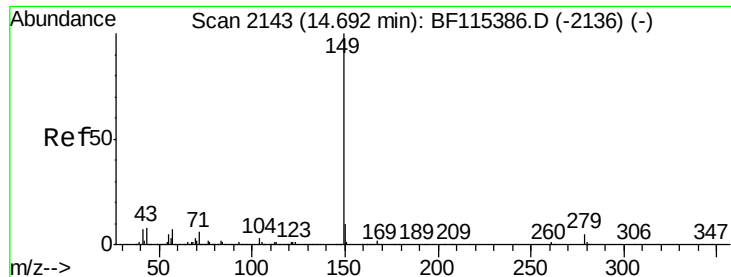
mohammad
 7/11/2019 5:22:17 PM



#84
Bis(2-ethylhexyl)phthalate
 Concen: 46.236 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF115466.D
 Acq: 10 Jul 2019 20:23

Tgt Ion:149 Resp: 703287
 Ion Ratio Lower Upper
 149 100
 167 28.2 22.6 34.0
 279 4.4 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 44.392 ng

RT: 14.65 min Scan# 2136

Delta R.T. -0.03 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

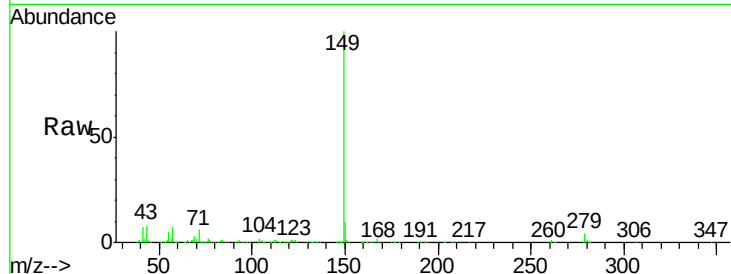
ClientSampleId :

TR-05-070819MSD

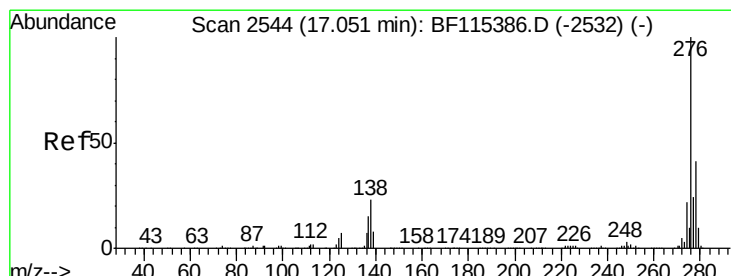
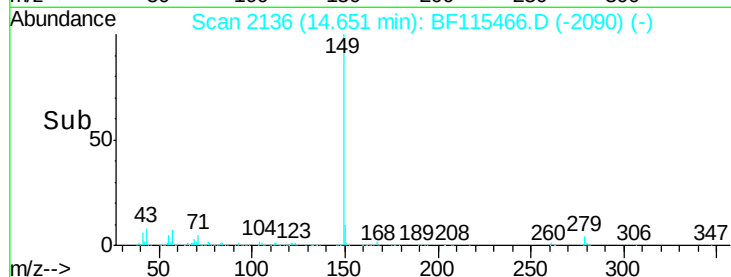
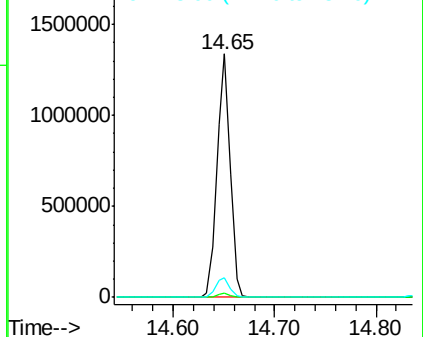
Tgt Ion:	149	Resp:	1202065
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	8.4	7.0	10.6

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 61.648 ng

RT: 17.02 min Scan# 2539

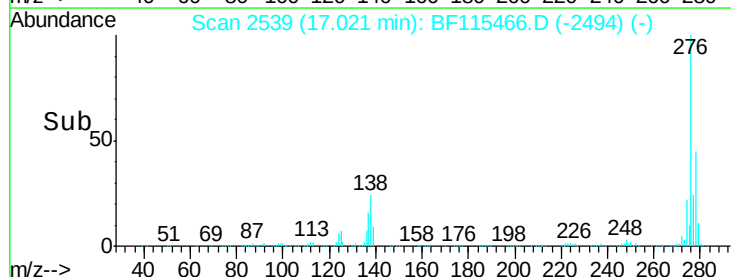
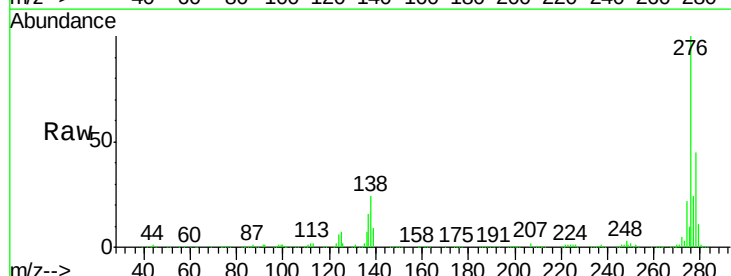
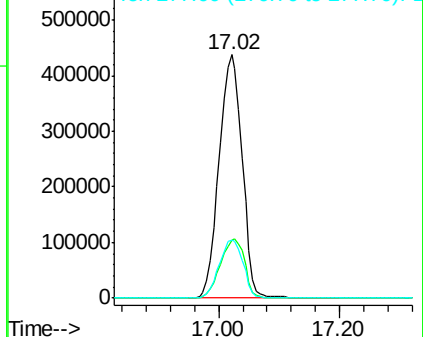
Delta R.T. -0.04 min

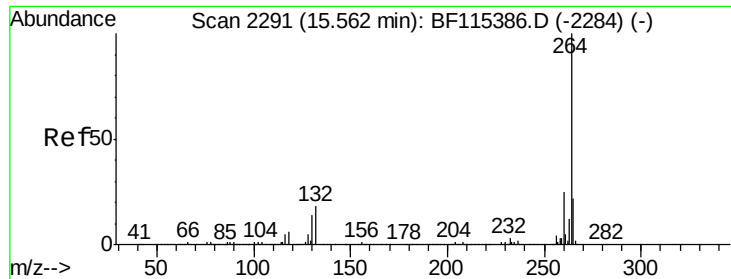
Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:	276	Resp:	1159119
Ion Ratio	Lower	Upper	
276	100		
138	25.6	20.6	31.0
277	24.8	20.2	30.2

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





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.03 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Instrument :

BNA_F

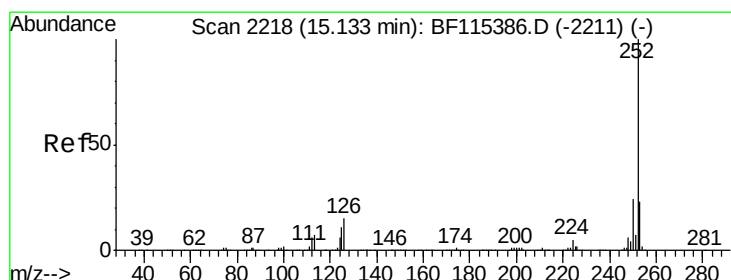
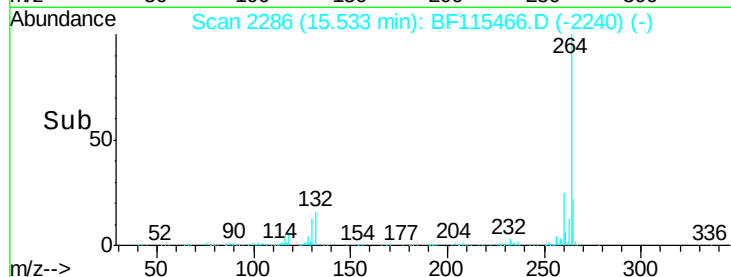
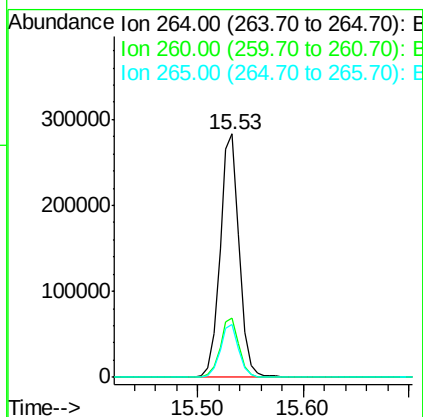
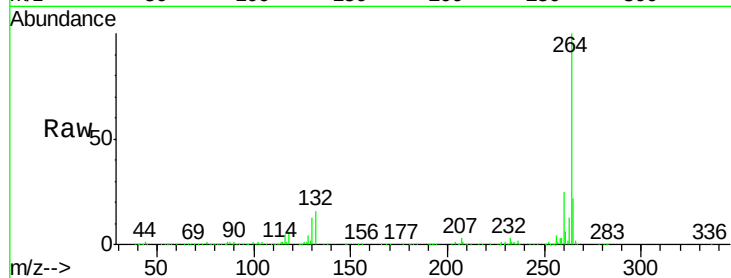
ClientSampleId :

TR-05-070819MSD

Tgt Ion:	264	Resp:	355574
Ion Ratio	Lower	Upper	
264	100		
260	24.6	20.1	30.1
265	21.7	17.8	26.6

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



#88

Benzo(b)fluoranthene

Concen: 43.502 ng

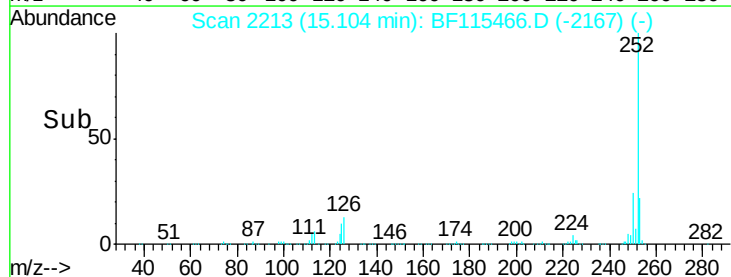
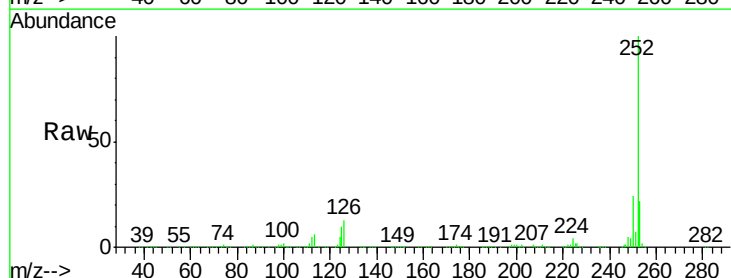
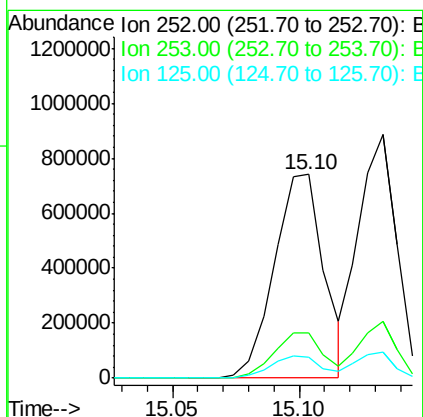
RT: 15.10 min Scan# 2213

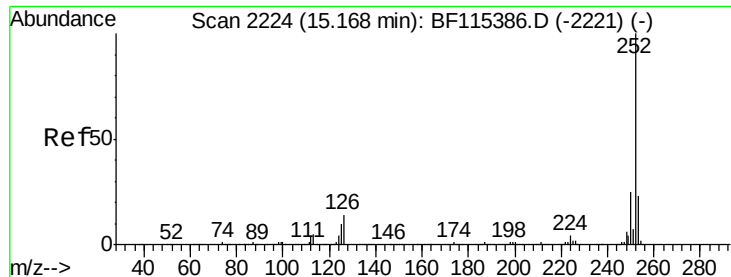
Delta R.T. -0.03 min

Lab File: BF115466.D

Acq: 10 Jul 2019 20:23

Tgt Ion:	252	Resp:	1007125
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.0	27.0
125	10.2	8.5	12.7





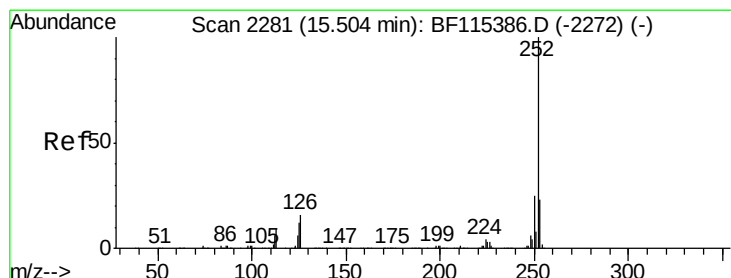
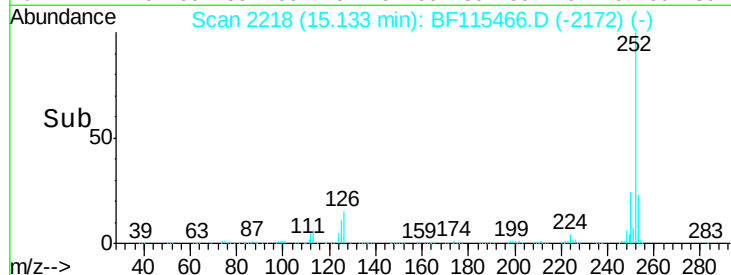
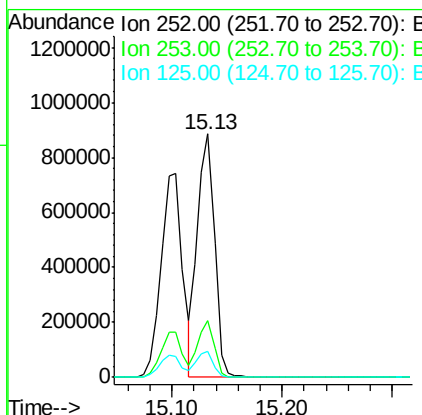
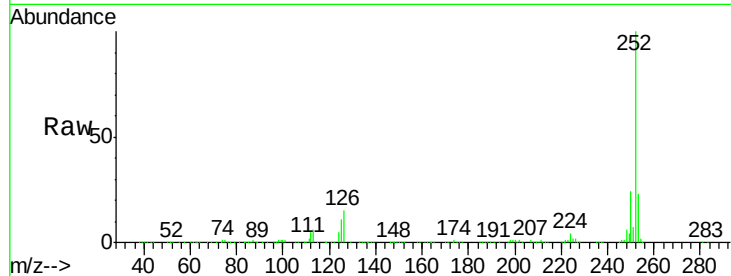
#89
Benzo(k)fluoranthene
Concen: 45.361 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.7	8.6	13.0

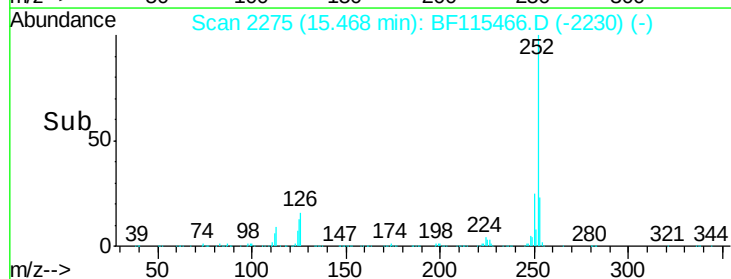
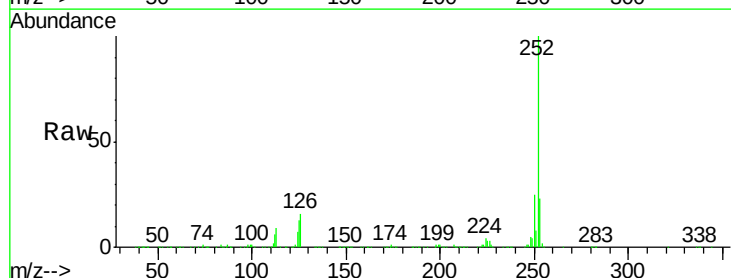
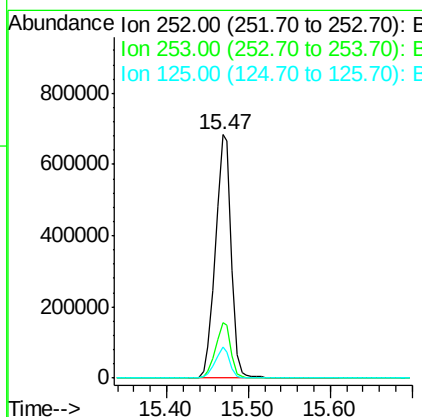
Manual Integrations
APPROVED

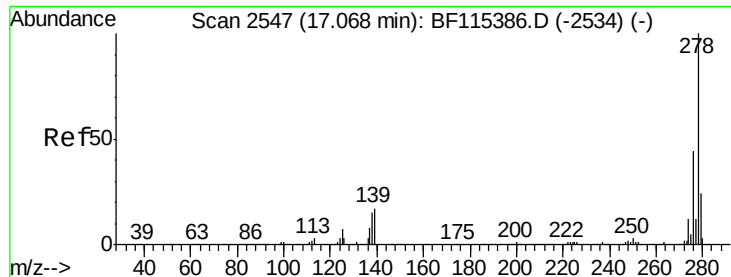
mohammad
7/11/2019 5:22:17 PM



#90
Benzo(a)pyrene
Concen: 46.115 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.8	9.7	14.5





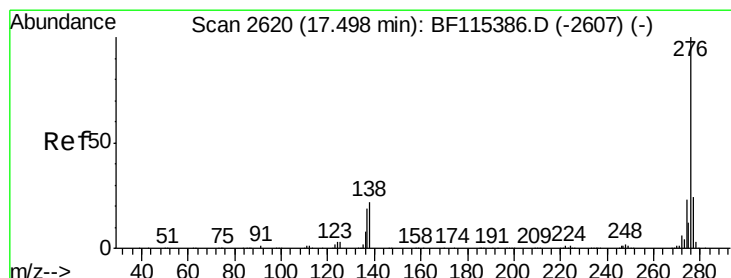
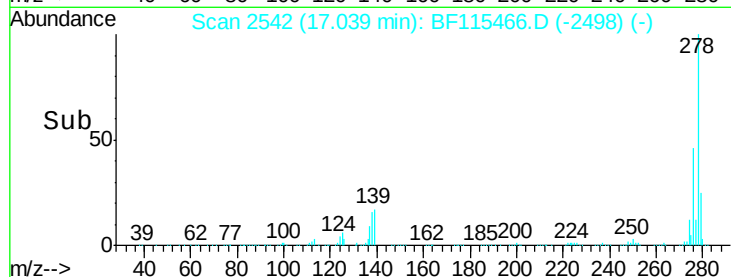
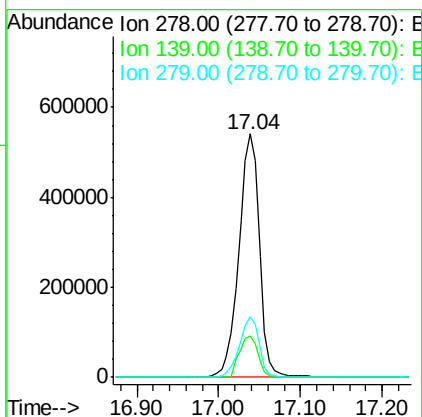
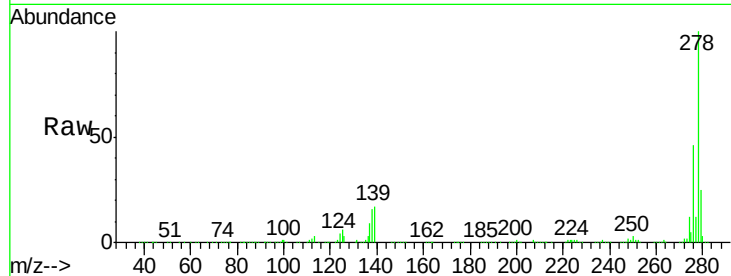
#91
Dibenzo(a,h)anthracene
Concen: 55.650 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.04 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Instrument :
BNA_F
ClientSampleId :
TR-05-070819MSD

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.0	19.6
279	24.6	19.4	29.2

Manual Integrations
APPROVED

mohammad
7/11/2019 5:22:17 PM



#92
Benzo(g,h,i)perylene
Concen: 61.309 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF115466.D
Acq: 10 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.8	28.2
138	21.7	17.8	26.8

