

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115701.D
 Acq On : 22 Jul 2019 11:32
 Operator : HP/JU
 Sample : PB121521BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121521BS

Manual Integrations
 APPROVED

mohammad
 7/23/2019 4:24:20 PM

Quant Time: Jul 23 01:31:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	179077	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	740588	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	369489	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	713844	20.00	ng	0.00
76) Chrysene-d12	14.04	240	510305	20.00	ng	0.00
87) Perylene-d12	15.52	264	385534	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1221763	111.60	ng	0.01
7) Phenol-d6	6.52	99	1590806	114.51	ng	0.00
23) Nitrobenzene-d5	7.44	82	998179	78.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	470461	109.08	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1786402	84.62	ng	-0.01
79) Terphenyl-d14	12.99	244	1973684	71.36	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	204001	37.356	ng	96
3) Pyridine	3.51	79	459675	31.025	ng	98
4) n-Nitrosodimethylamine	3.45	42	209487	38.974	ng	91
6) Aniline	6.54	93	486815	25.181	ng	97
8) 2-Chlorophenol	6.67	128	498203	39.580	ng	100
9) Benzaldehyde	6.43	77	272851	31.431	ng	98
10) Phenol	6.53	94	618014	38.323	ng	89
11) bis(2-Chloroethyl)ether	6.62	93	472429	38.478	ng	100
12) 1,3-Dichlorobenzene	6.82	146	513039	36.252	ng	98
13) 1,4-Dichlorobenzene	6.90	146	522008	36.969	ng	98
14) 1,2-Dichlorobenzene	7.05	146	487439	37.764	ng	97
15) Benzyl Alcohol	7.02	79	415534	37.707	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	640049	39.597	ng	99
17) 2-Methylphenol	7.13	107	446195	41.134	ng	98
18) Hexachloroethane	7.39	117	191294	36.500	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	340822	37.618	ng	96
20) 3+4-Methylphenols	7.29	107	507608	39.396	ng	# 90
22) Acetophenone	7.29	105	674574	40.319	ng	# 98
24) Nitrobenzene	7.46	77	547074	39.823	ng	99
25) Isophorone	7.70	82	1003459	39.373	ng	100
26) 2-Nitrophenol	7.77	139	280607	39.685	ng	96
27) 2,4-Dimethylphenol	7.82	122	459062	43.391	ng	99
28) bis(2-Chloroethoxy)methane	7.91	93	615200	39.347	ng	99
29) 2,4-Dichlorophenol	8.02	162	441286	40.106	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	473135	38.041	ng	98
31) Naphthalene	8.19	128	1433750	39.974	ng	98
32) Benzoic acid	7.95	122	327052	37.668	ng	97
33) 4-Chloroaniline	8.23	127	389422	24.512	ng	98
34) Hexachlorobutadiene	8.30	225	264699	37.113	ng	100
35) Caprolactam	8.60	113	136818m	40.240	ng	
36) 4-Chloro-3-methylphenol	8.72	107	462016	40.480	ng	99
37) 2-Methylnaphthalene	8.87	142	976882	41.089	ng	98
38) 1-Methylnaphthalene	8.97	142	906148	40.126	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	445260	40.017	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115701.D
 Acq On : 22 Jul 2019 11:32
 Operator : HP/JU
 Sample : PB121521BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 PB121521BS

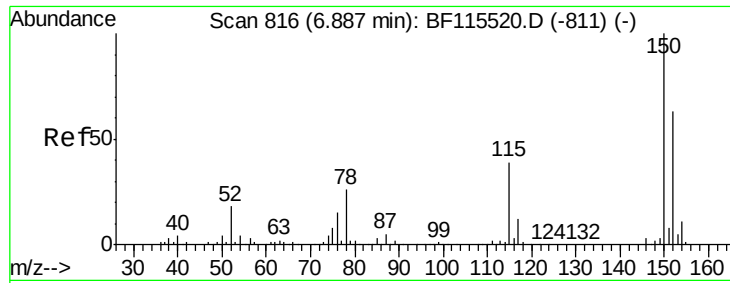
Manual Integrations
 APPROVED

mohammad
 7/23/2019 4:24:20 PM

Quant Time: Jul 23 01:31:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.03	237	305908	48.197	nq	100
43) 2,4,6-Trichlorophenol	9.16	196	303281	37.273	nq	99
44) 2,4,5-Trichlorophenol	9.20	196	332257	39.873	nq	99
46) 1,1'-Biphenyl	9.34	154	1171980	40.572	nq	98
47) 2-Chloronaphthalene	9.37	162	931887	38.744	nq	97
48) 2-Nitroaniline	9.46	65	288740	38.786	nq	97
49) Acenaphthylene	9.78	152	1410893	39.588	nq	98
50) Dimethylphthalate	9.64	163	1096937	39.459	nq	99
51) 2,6-Dinitrotoluene	9.70	165	249648	39.517	nq	95
52) Acenaphthene	9.96	154	857745	37.278	nq	99
53) 3-Nitroaniline	9.87	138	200242	27.737	nq	99
54) 2,4-Dinitrophenol	9.98	184	250868	77.344	nq	99
55) Dibenzofuran	10.13	168	1271903	38.924	nq	99
56) 4-Nitrophenol	10.04	139	407131	73.954	nq	97
57) 2,4-Dinitrotoluene	10.10	165	333696	40.771	nq	97
58) Fluorene	10.47	166	955023	40.883	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.25	232	282336	40.531	nq	98
60) Diethylphthalate	10.34	149	1039676	39.916	nq	99
61) 4-Chlorophenyl-phenylether	10.46	204	490519	37.866	nq	97
62) 4-Nitroaniline	10.49	138	254621	36.768	nq	99
63) Azobenzene	10.62	77	1049781	41.552	nq	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	165001	37.833	nq	90
66) n-Nitrosodiphenylamine	10.57	169	874474	39.382	nq	99
67) 4-Bromophenyl-phenylether	10.95	248	310231	38.030	nq	97
68) Hexachlorobenzene	11.02	284	347295	37.280	nq	# 92
69) Atrazine	11.10	200	241379	33.136	nq	98
70) Pentachlorophenol	11.22	266	390185	68.480	nq	99
71) Phenanthrene	11.43	178	1420204	38.813	nq	98
72) Anthracene	11.48	178	1462955	38.687	nq	99
73) Carbazole	11.63	167	1330446	40.121	nq	100
74) Di-n-butylphthalate	11.96	149	1637100	40.079	nq	100
75) Fluoranthene	12.62	202	1540013	39.828	nq	100
77) Benzidine	12.73	184	317351	17.555	nq	98
78) Pyrene	12.85	202	1541523	35.655	nq	98
80) Butylbenzylphthalate	13.46	149	715819	38.838	nq	94
81) Benzo(a)anthracene	14.04	228	1310524	38.982	nq	98
82) 3,3'-Dichlorobenzidine	13.99	252	409686	34.279	nq	96
83) Chrysene	14.07	228	1271212	37.667	nq	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	990123	43.370	nq	99
85) Di-n-octyl phthalate	14.63	149	1614157	44.437	nq	100
86) Indeno(1,2,3-cd)pyrene	17.01	276	1118754	39.018	nq	100
88) Benzo(b)fluoranthene	15.09	252	1222360	49.239	nq	99
89) Benzo(k)fluoranthene	15.12	252	1126519	50.897	nq	99
90) Benzo(a)pyrene	15.46	252	1080610	50.645	nq	99
91) Dibenzo(a,h)anthracene	17.02	278	954876	50.976	nq	98
92) Benzo(g,h,i)perylene	17.46	276	912502	48.845	nq	100

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



#1

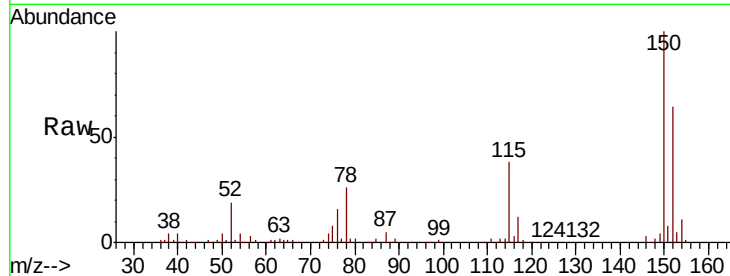
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	129.7	194.5
115	59.7	48.2	72.4

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

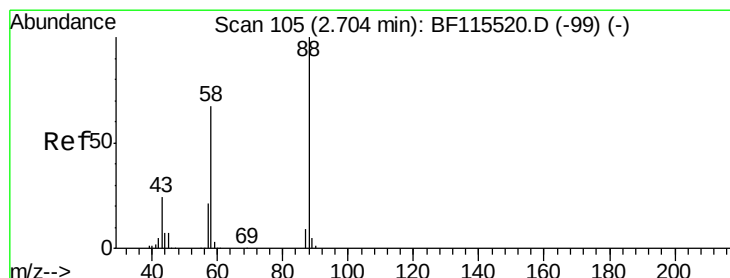
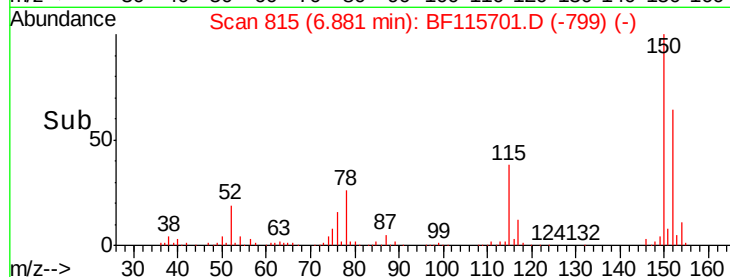
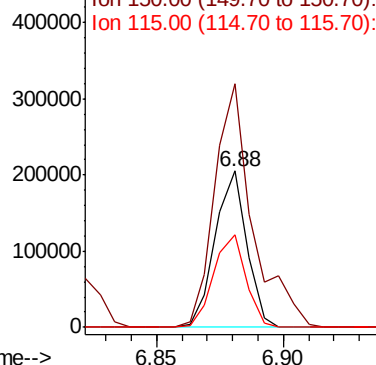


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

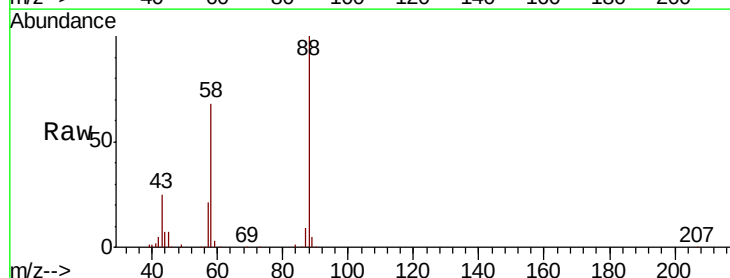
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 37.356 ng
RT: 2.76 min Scan# 115
Delta R.T. 0.06 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.2	52.6	79.0
43	25.9	19.1	28.7

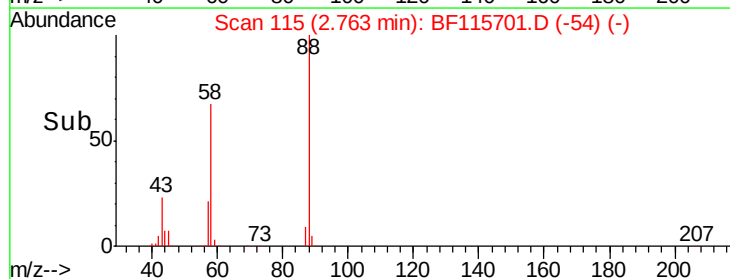
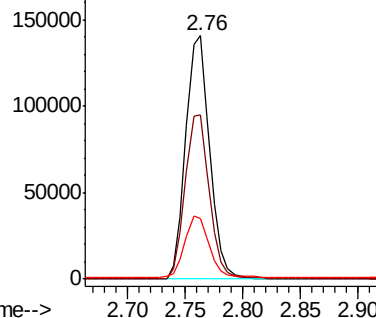


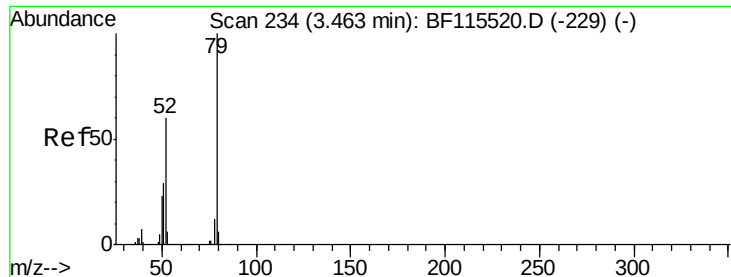
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 31.025 ng

RT: 3.51 min Scan# 242

Delta R.T. 0.05 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

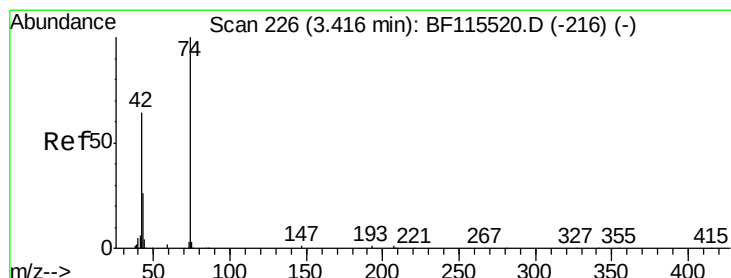
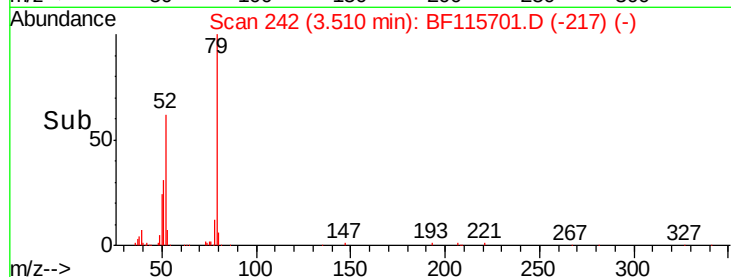
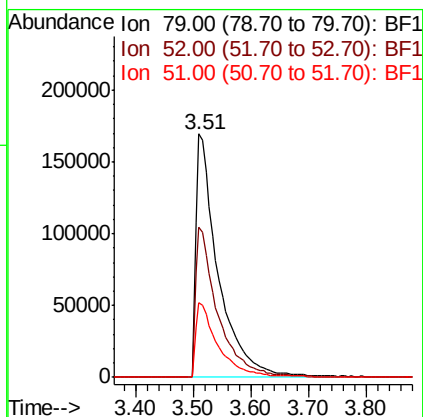
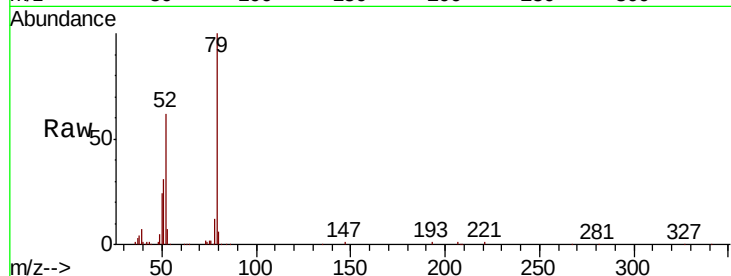
ClientSampleId :

PB121521BS

Tot Ion:	79	Resp:	459675
Ion	Ratio	Lower	Upper
79	100		
52	61.7	47.8	71.6
51	30.8	23.8	35.8

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



#4

n-Nitrosodimethylamine

Concen: 38.974 ng

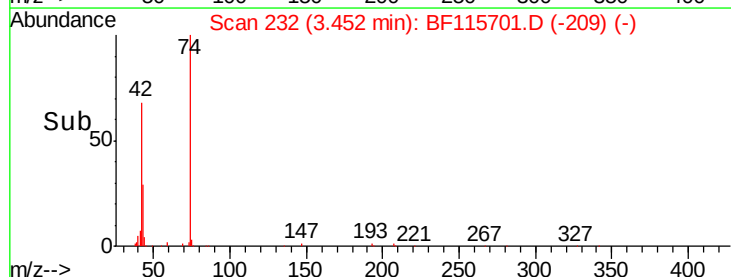
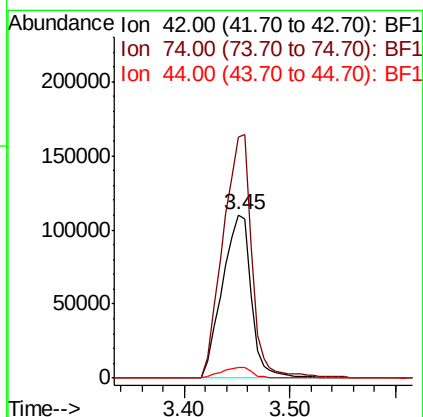
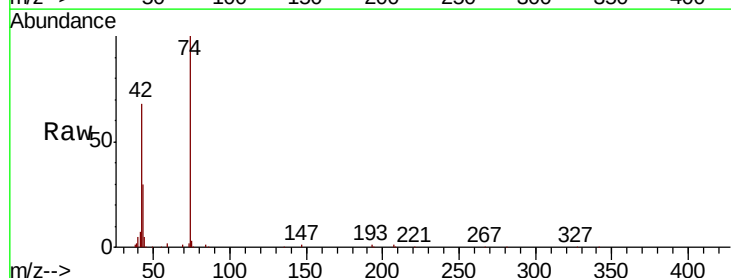
RT: 3.45 min Scan# 232

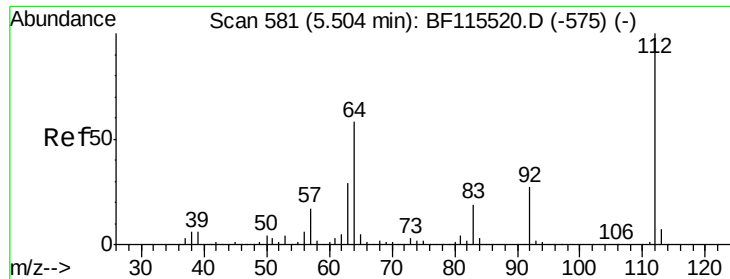
Delta R.T. 0.04 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tgt Ion:	42	Resp:	209487
Ion	Ratio	Lower	Upper
42	100		
74	147.6	127.5	191.3
44	6.7	5.0	7.6





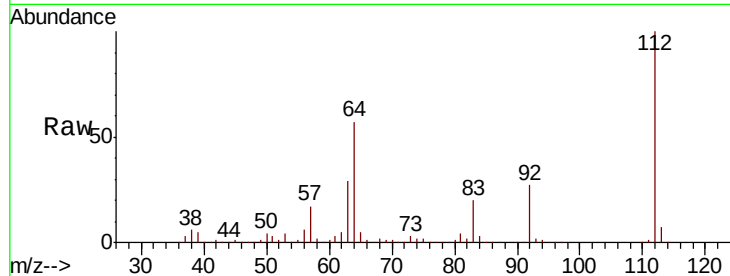
#5
2-Fluorophenol
Concen: 111.597 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

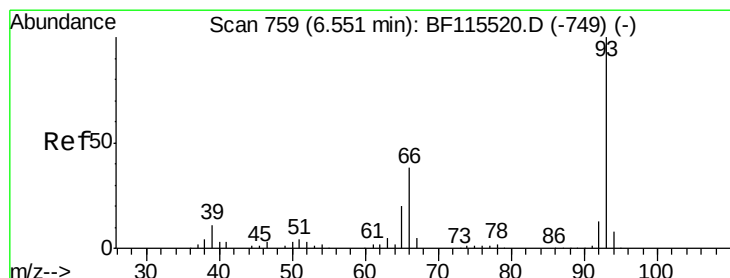
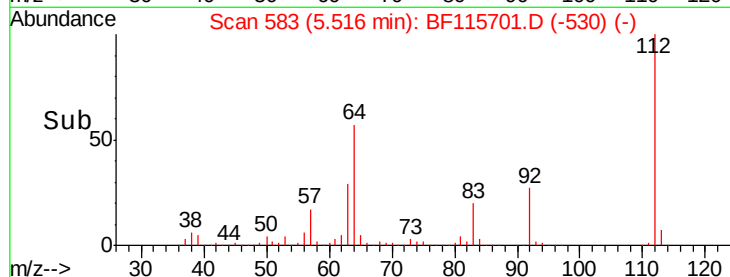
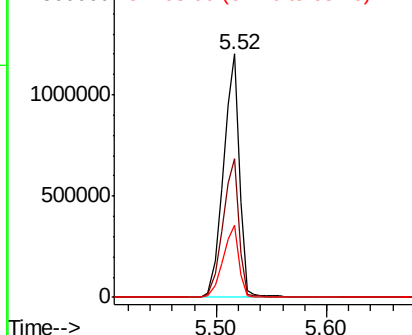
Tot Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.8	70.2
63	29.4	24.1	36.1

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

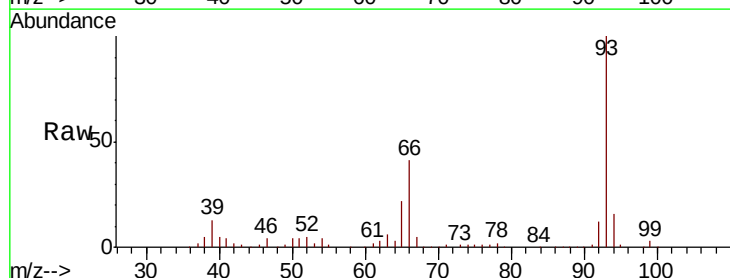


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

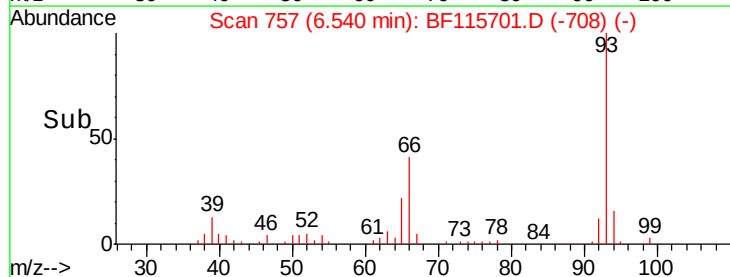
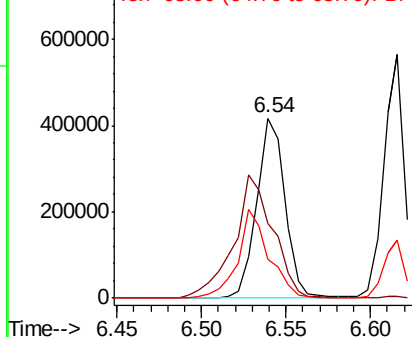


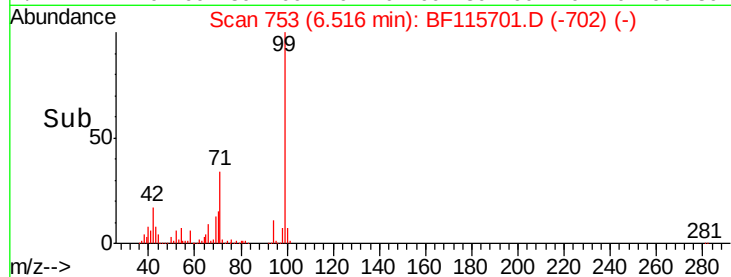
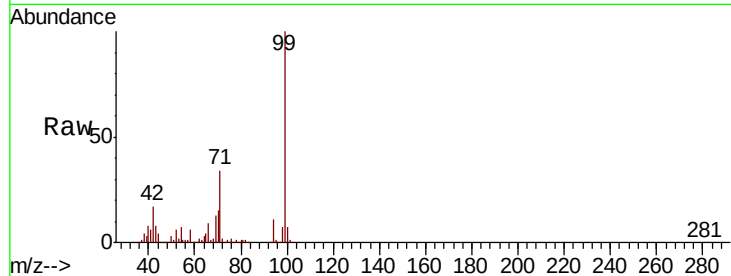
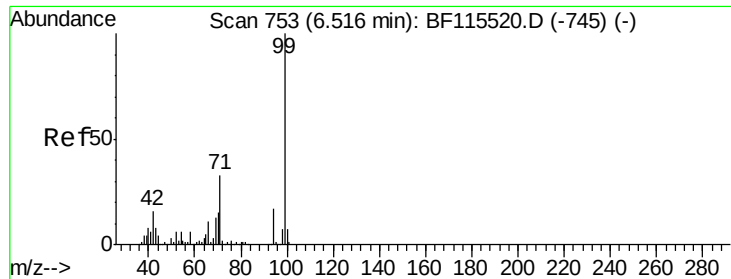
#6
Aniline
Concen: 25.181 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
93	100		
66	41.4	31.7	47.5
65	21.7	16.2	24.2



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.515 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tot Ion:	99	Resp:	1590806
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.6	20.4
71	34.0	28.5	42.7

Instrument :

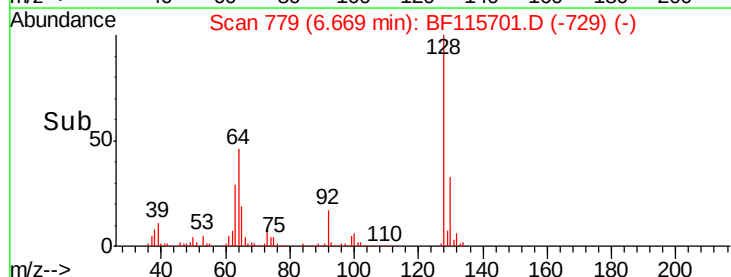
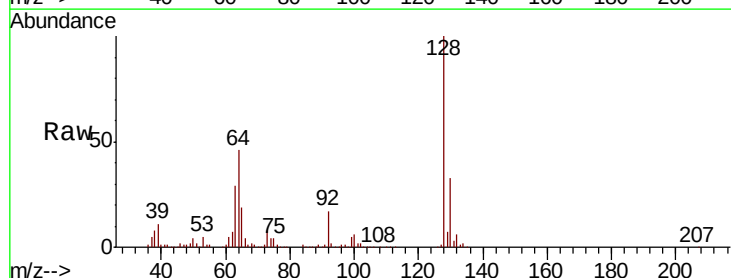
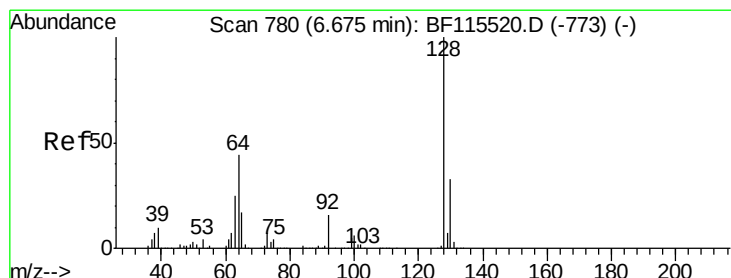
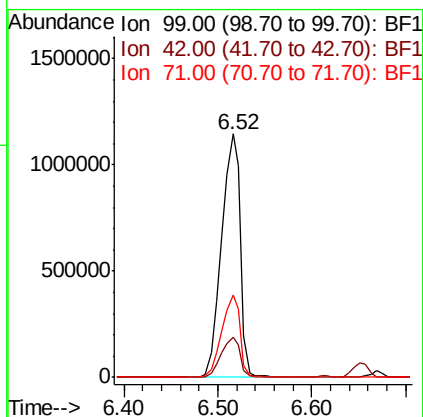
BNA_F

ClientSampleId :

PB121521BS

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



#8

2-Chlorophenol

Concen: 39.580 ng

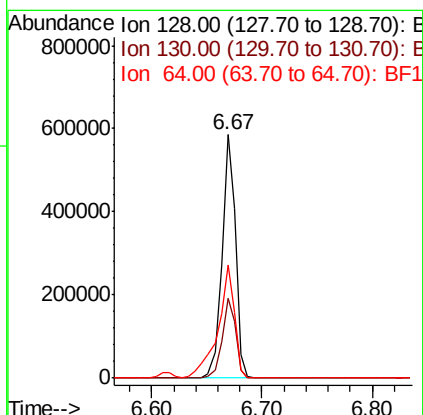
RT: 6.67 min Scan# 779

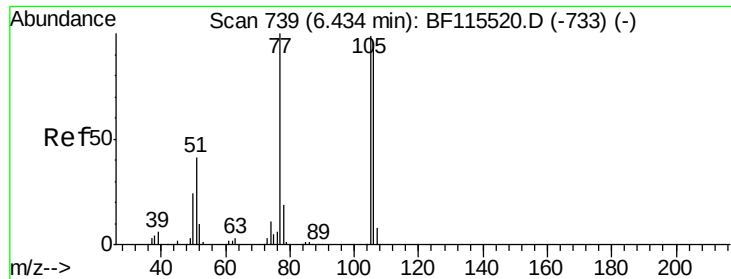
Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tgt Ion:	128	Resp:	498203
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	46.4	26.8	66.8





#9

Benzaldehyde

Concen: 31.431 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

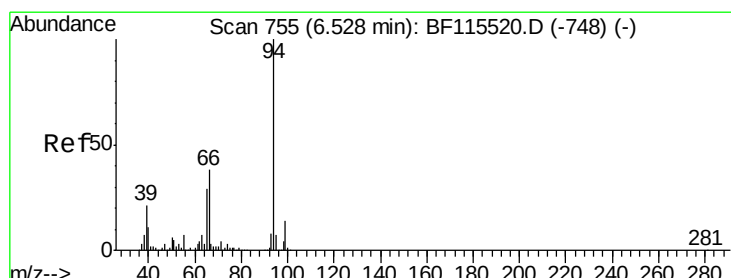
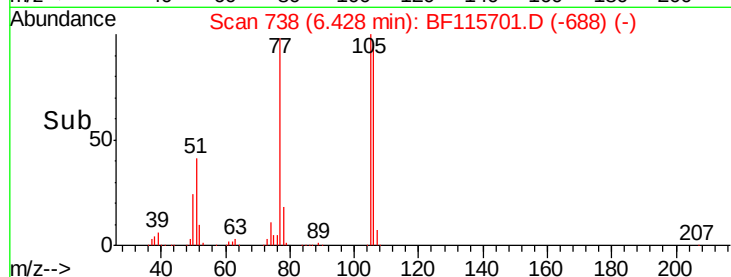
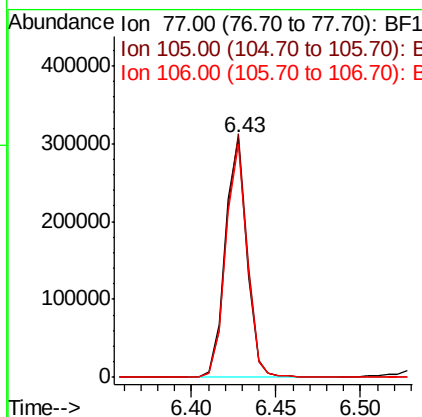
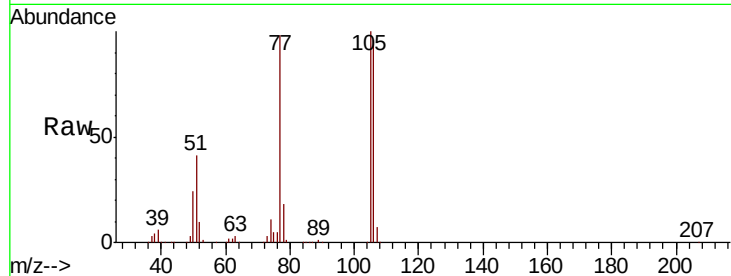
ClientSampleId :

PB121521BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	101.8	78.8	118.8
106	97.4	75.6	115.6

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



#10

Phenol

Concen: 38.323 ng

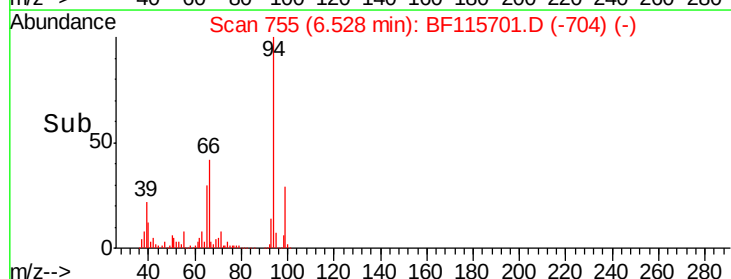
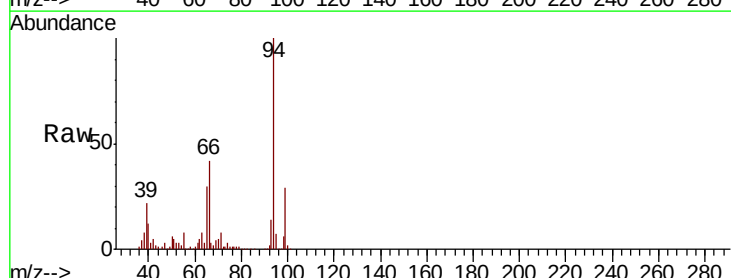
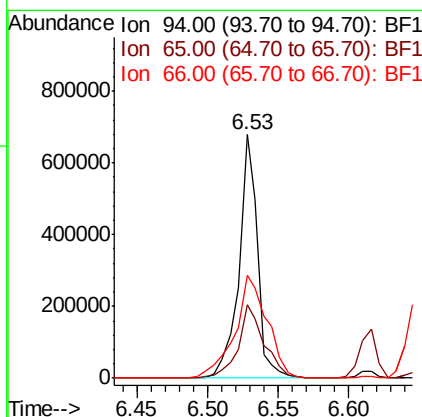
RT: 6.53 min Scan# 755

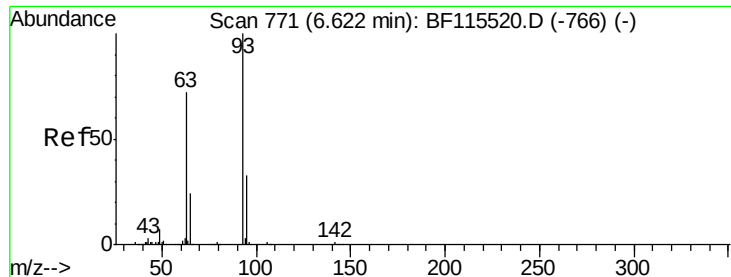
Delta R.T. 0.00 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.1	14.5	54.5
66	42.0	31.3	71.3





#11

bis(2-Chloroethyl)ether

Concen: 38.478 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

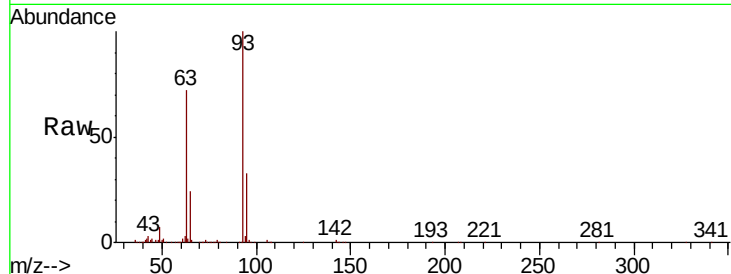
ClientSampleId :

PB121521BS

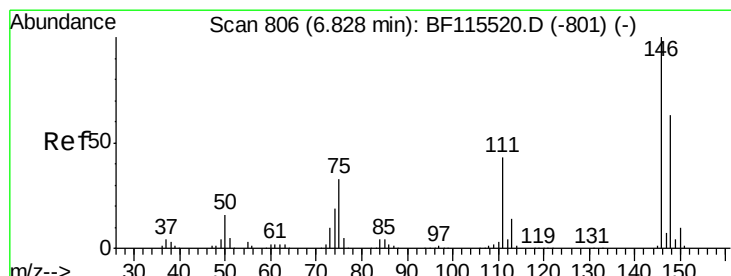
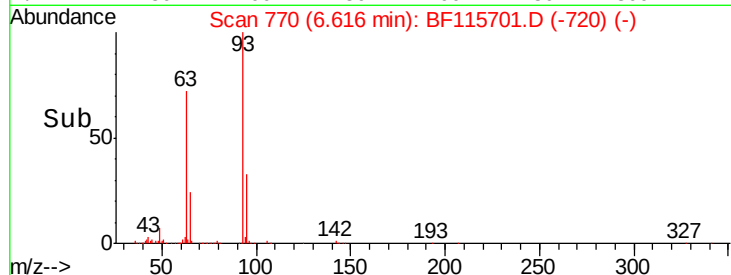
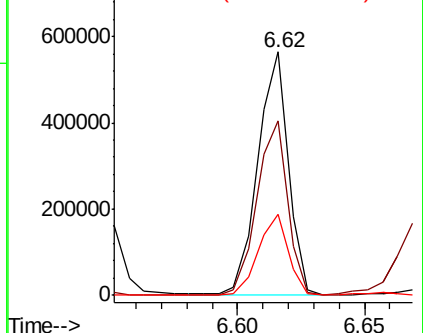
Tot Ion:	93	Resp:	472429
Ion	Ratio	Lower	Upper
93	100		
63	71.8	52.2	92.2
95	33.1	12.9	52.9

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 36.252 ng

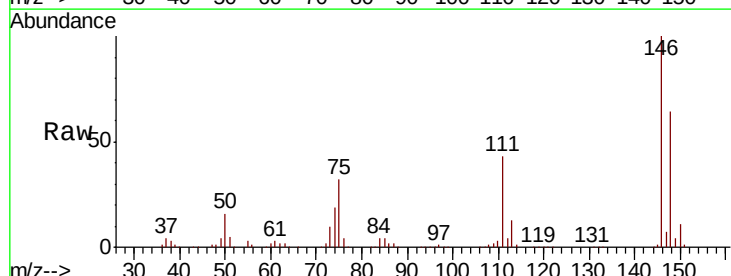
RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

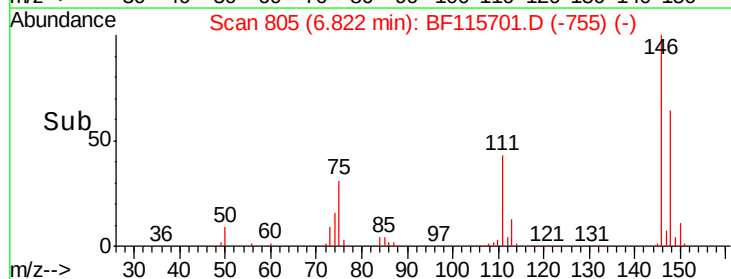
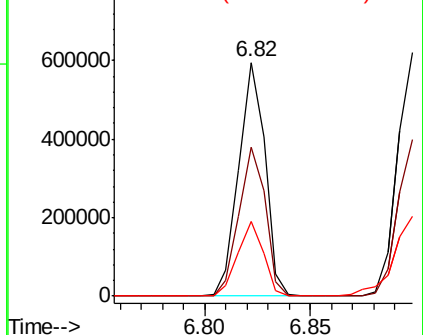
Lab File: BF115701.D

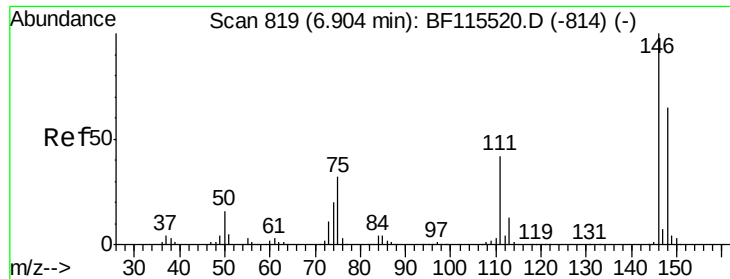
Acq: 22 Jul 2019 11:32

Tgt Ion:	146	Resp:	513039
Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.1	78.1
75	32.0	24.9	37.3



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





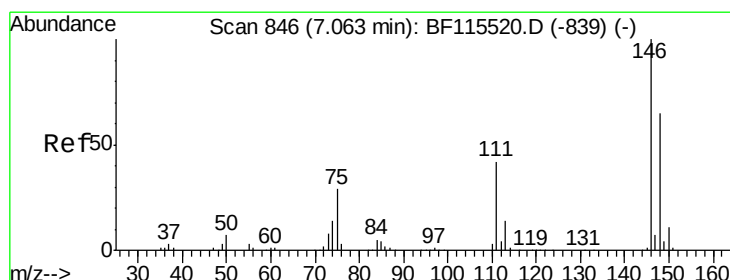
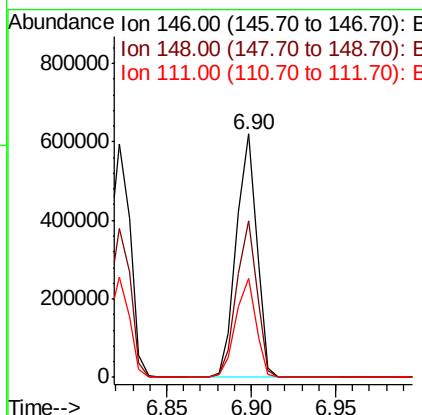
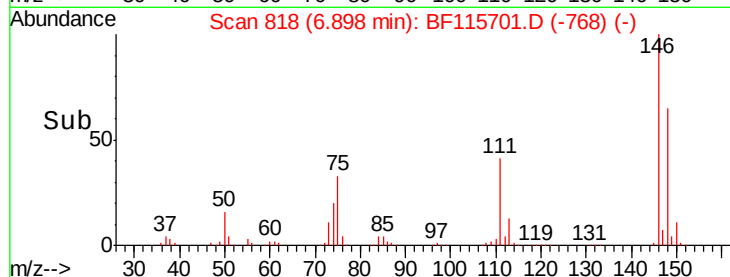
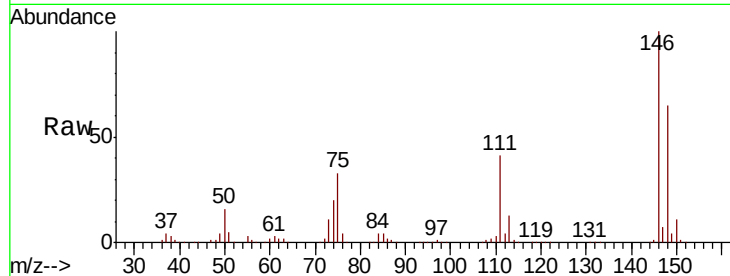
#13
 1,4-Dichlorobenzene
 Concen: 36.969 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 PB121521BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.8	77.6
111	40.6	35.5	53.3

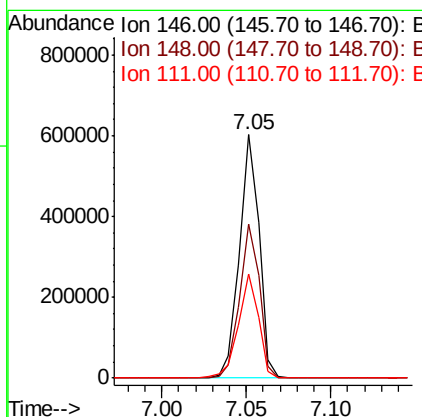
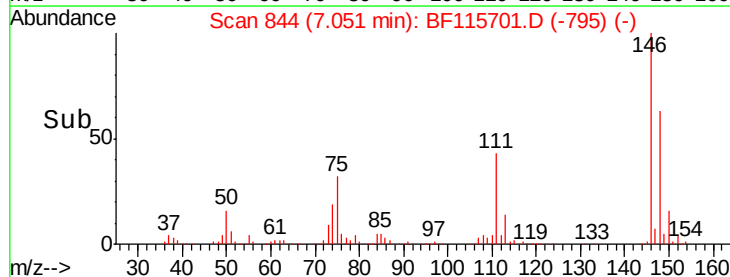
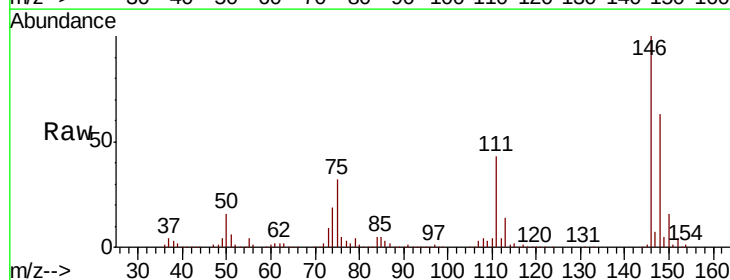
Manual Integrations
 APPROVED

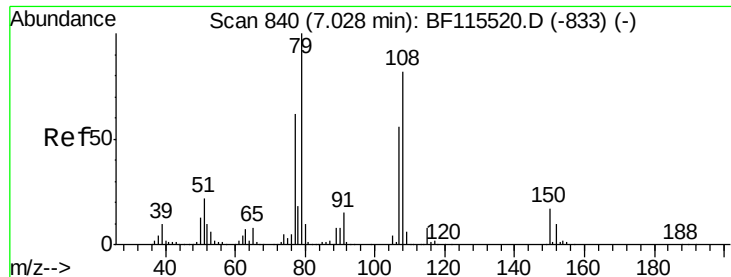
mohammad
 7/23/2019 4:24:20 PM



#14
 1,2-Dichlorobenzene
 Concen: 37.764 ng
 RT: 7.05 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	42.6	37.6	56.4





#15

Benzyl Alcohol

Concen: 37.707 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

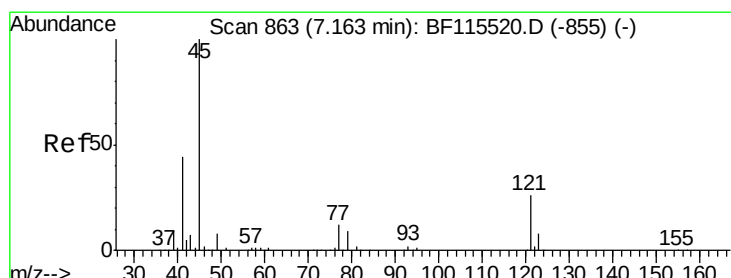
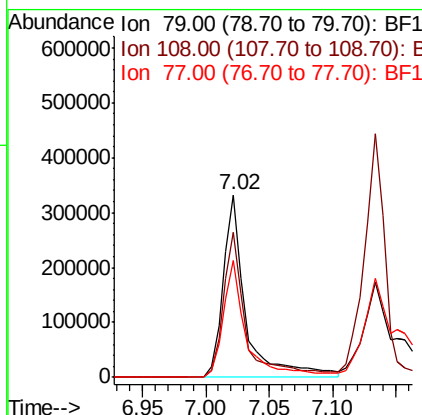
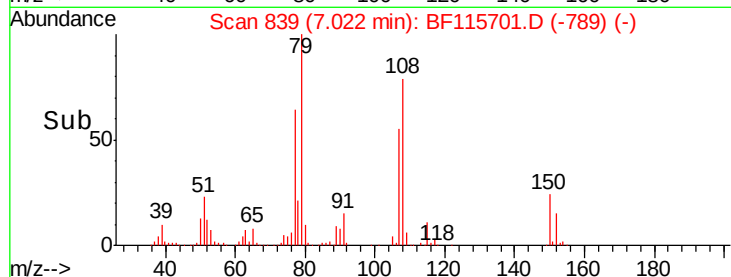
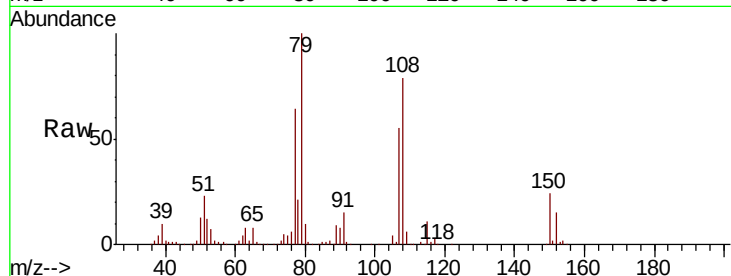
ClientSampleId :

PB121521BS

Tot Ion:	79	Resp:	415534
Ion	Ratio	Lower	Upper
79	100		
108	79.5	64.2	96.4
77	64.0	51.8	77.8

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.597 ng

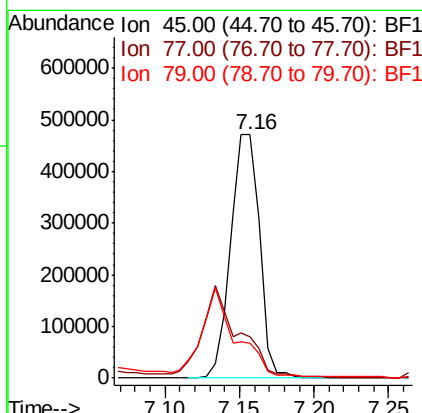
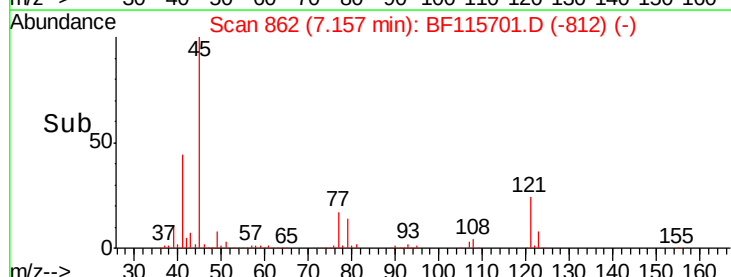
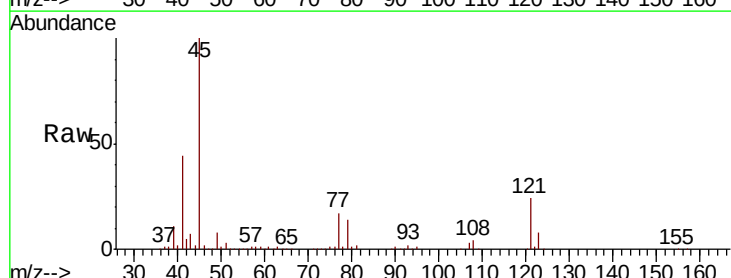
RT: 7.16 min Scan# 862

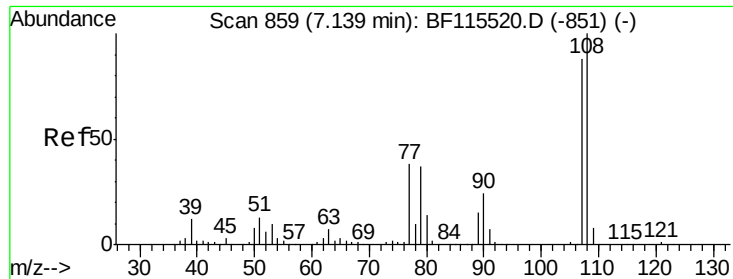
Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tgt Ion:	45	Resp:	640049
Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	38.1
79	14.3	0.0	34.1





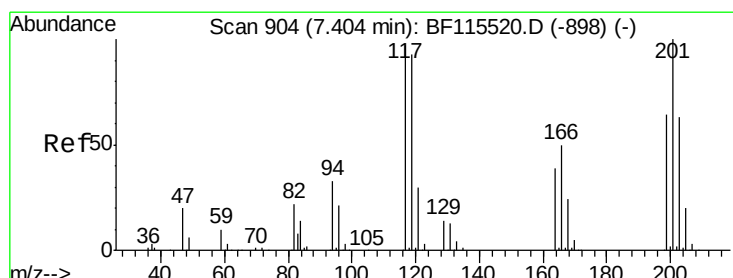
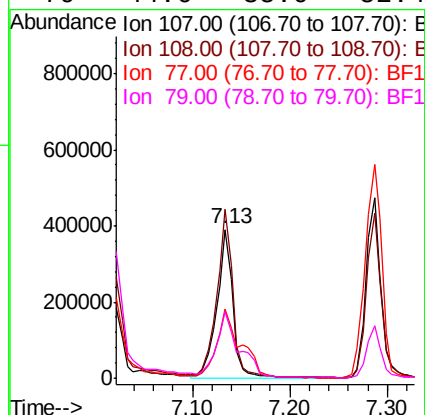
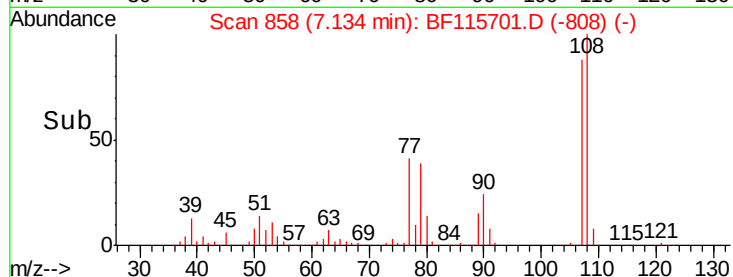
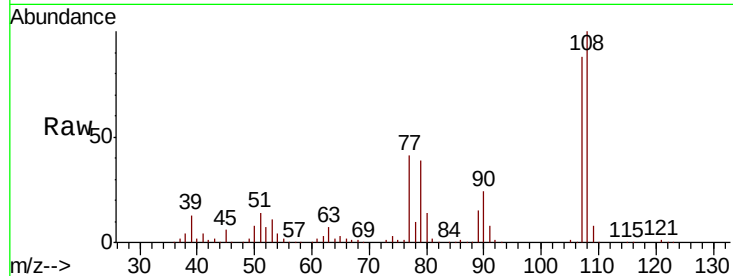
#17
2-Methylphenol
Concen: 41.134 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.7	89.4	134.2	
77	46.2	35.7	53.5	
79	44.6	35.0	52.4	

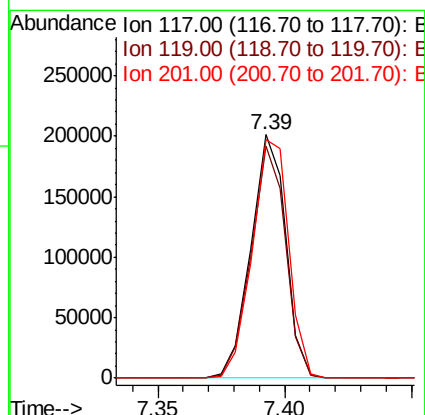
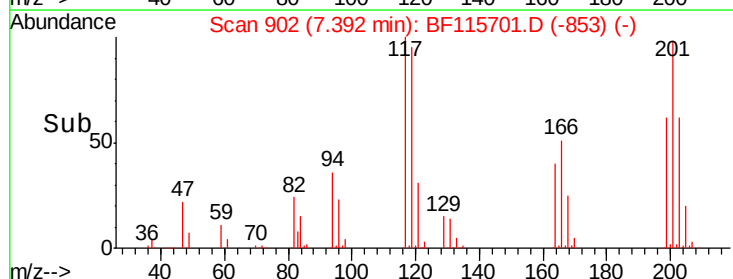
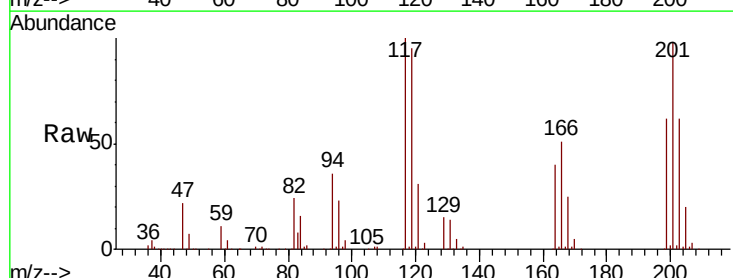
Manual Integrations
APPROVED

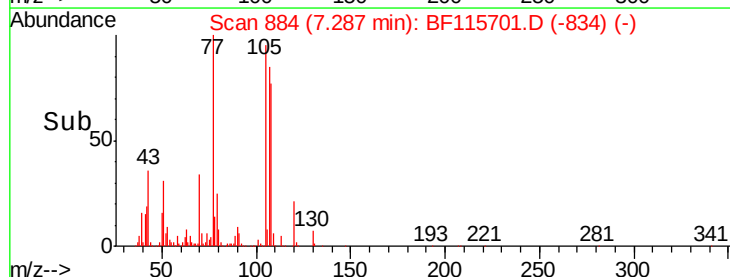
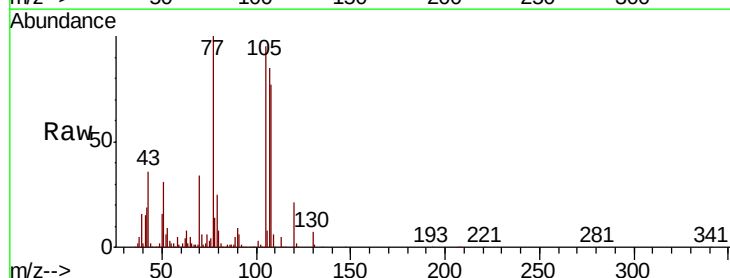
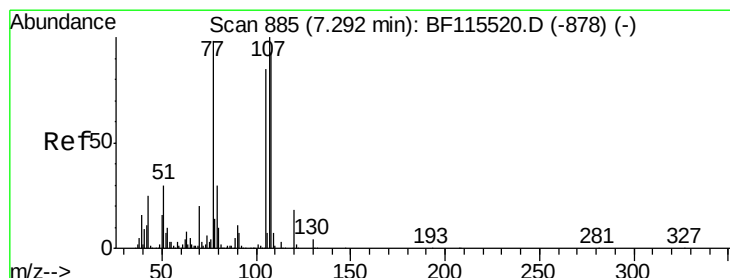
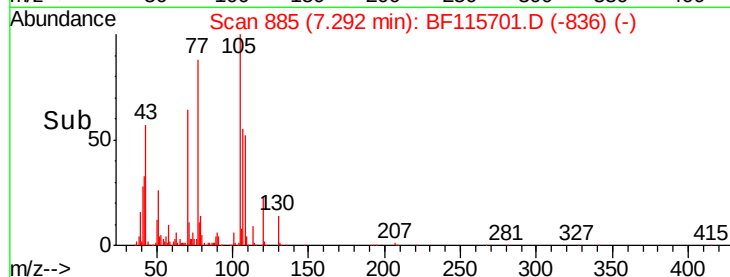
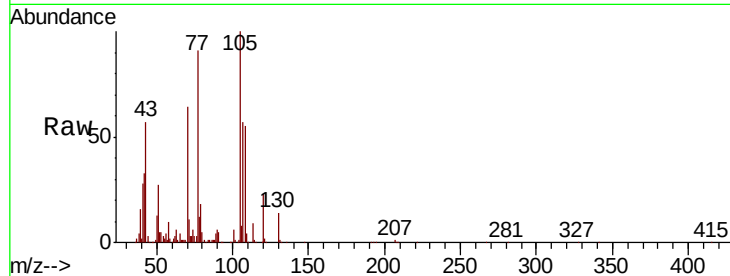
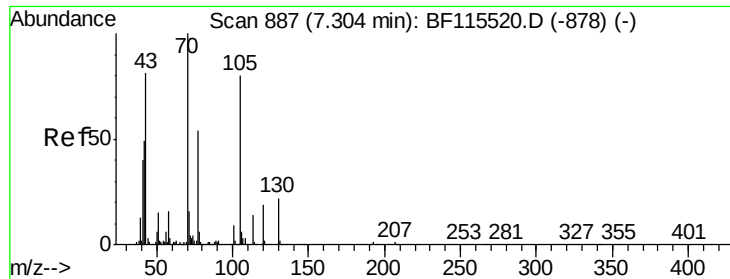
mohammad
7/23/2019 4:24:20 PM



#18
Hexachloroethane
Concen: 36.500 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.4	77.7	116.5	
201	97.8	86.0	129.0	





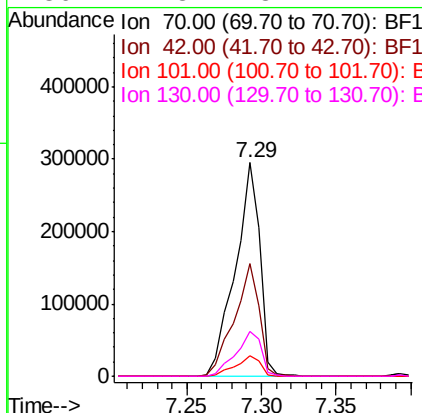
#19
n-Nitroso-di-n-propylamine
Concen: 37.618 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.5	39.6	59.4
101	9.5	8.1	12.1
130	21.3	18.2	27.2

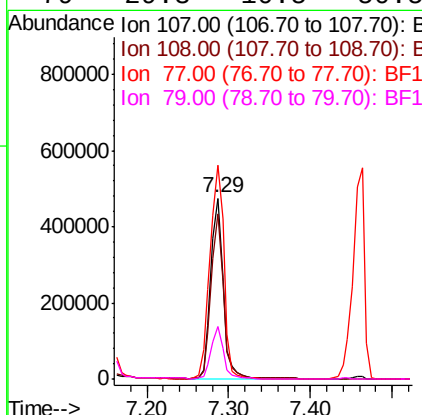
Manual Integrations
APPROVED

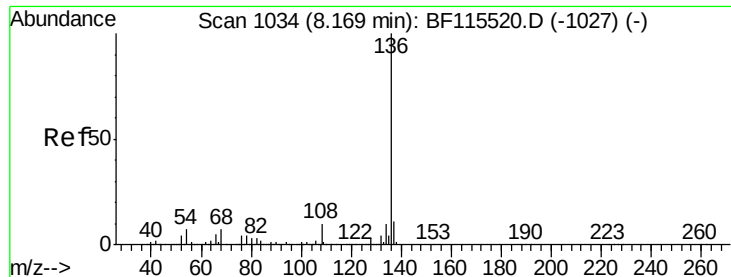
mohammad
7/23/2019 4:24:20 PM



#20
3+4-Methylphenols
Concen: 39.396 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.2	72.9	112.9
77	118.2	77.6	117.6#
79	29.3	10.5	50.5





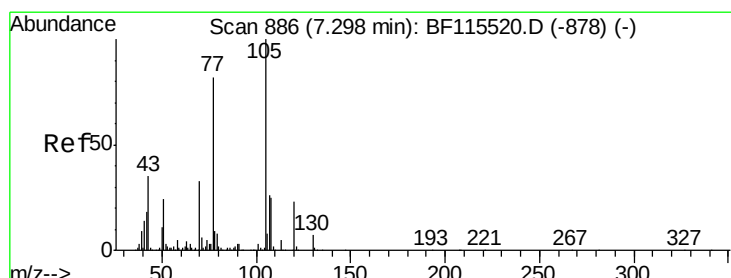
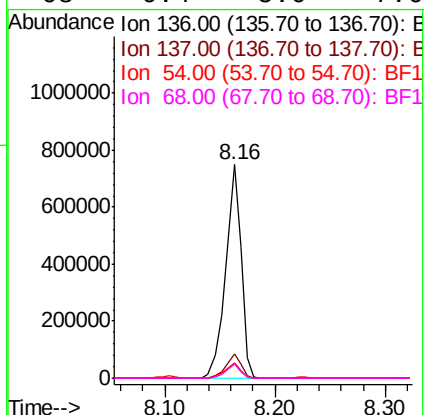
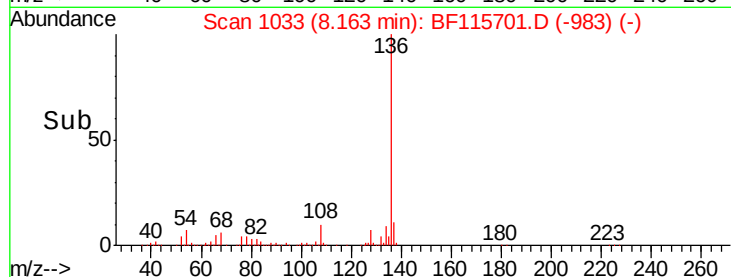
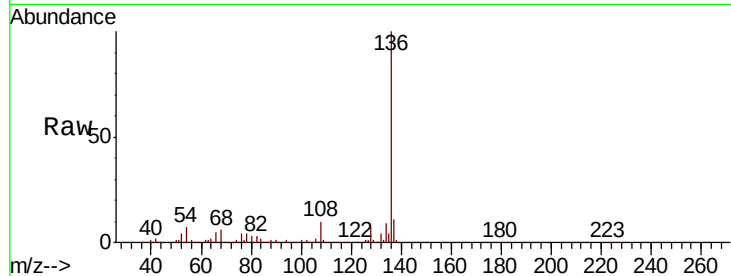
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		740588		
137	11.2		9.0	13.4	
54	7.1		5.6	8.4	
68	6.4		5.0	7.6	

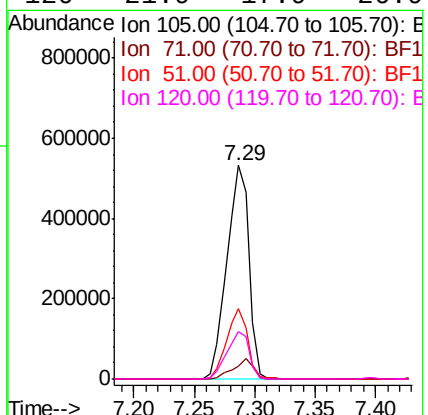
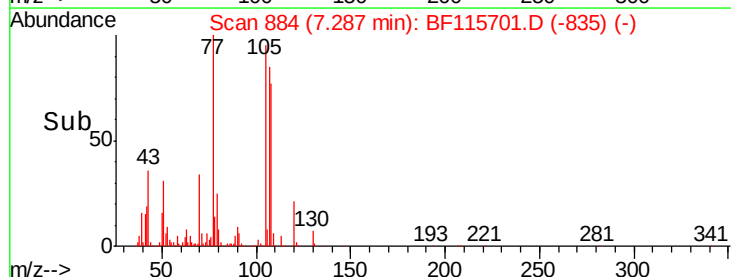
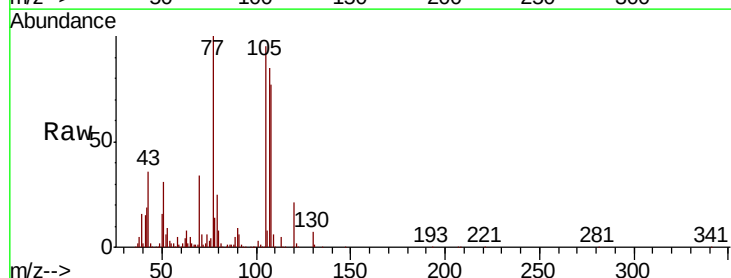
Manual Integrations
APPROVED

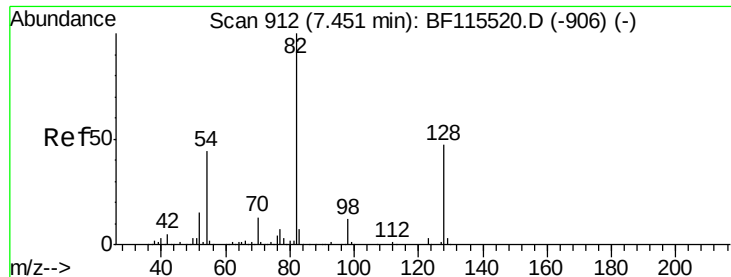
mohammad
7/23/2019 4:24:20 PM



#22
Acetophenone
Concen: 40.319 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		674574		
71	6.1		3.5	5.3#	
51	33.1		25.6	38.4	
120	21.9		17.9	26.9	





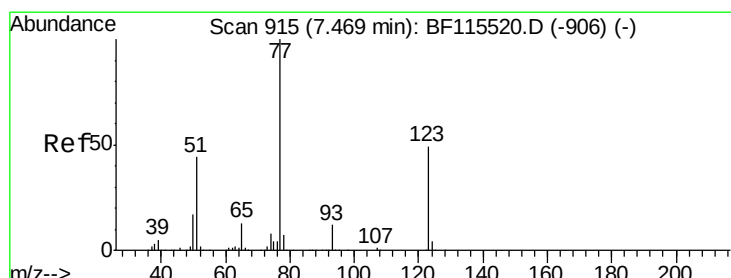
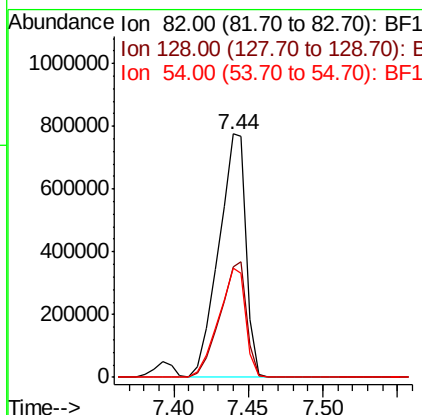
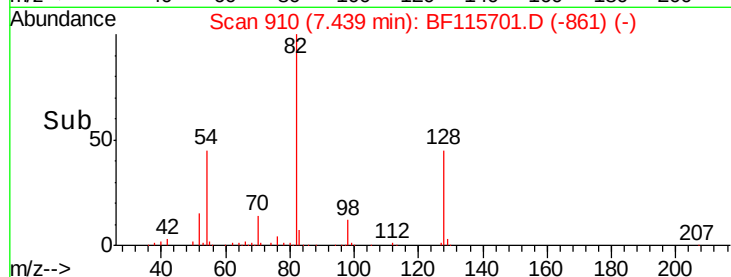
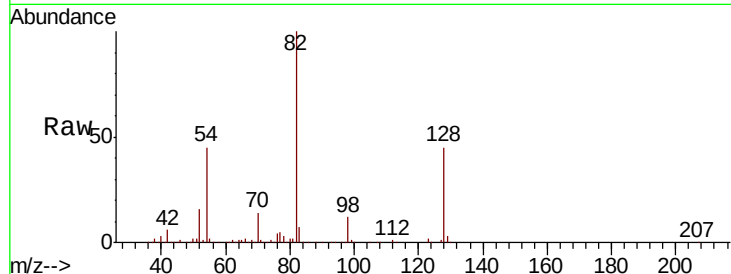
#23
Nitrobenzene-d5
Concen: 78.371 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampled :
PB121521BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.6	57.8
54	44.9	35.6	53.4

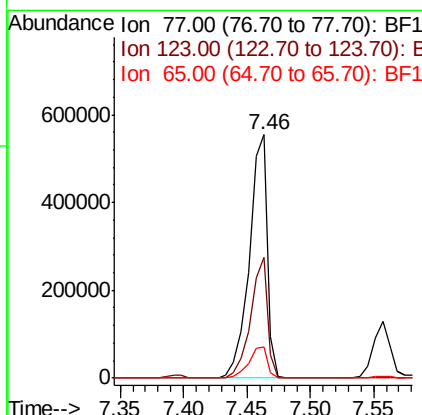
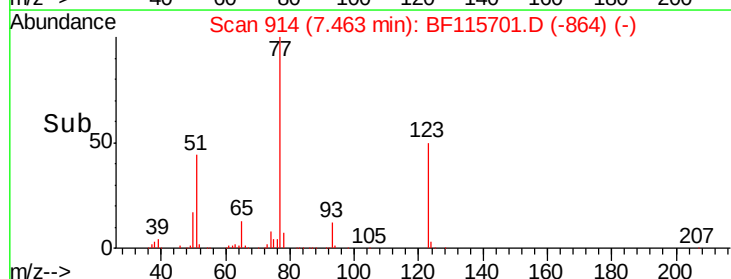
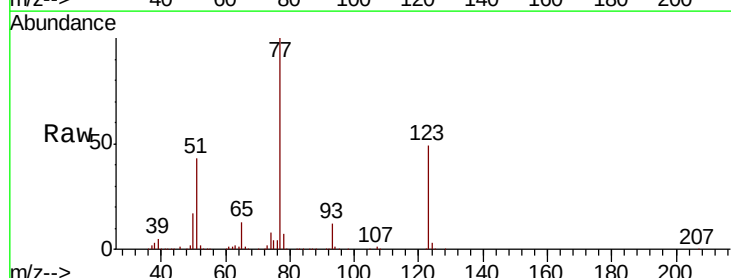
Manual Integrations
APPROVED

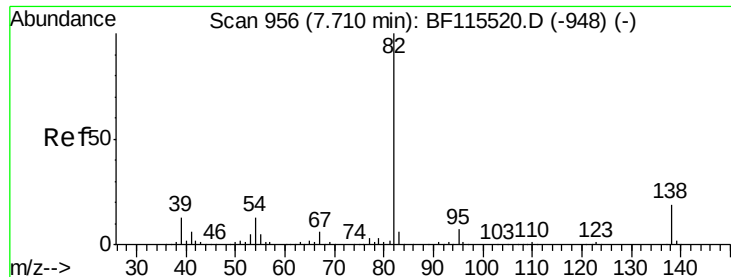
mohammad
7/23/2019 4:24:20 PM



#24
Nitrobenzene
Concen: 39.823 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.5	40.0	60.0
65	13.0	11.0	16.4





#25

Isophorone

Concen: 39.373 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

ClientSampleId :

PB121521BS

Tot Ion: 82 Resp: 1003459

Ion Ratio Lower Upper

82 100

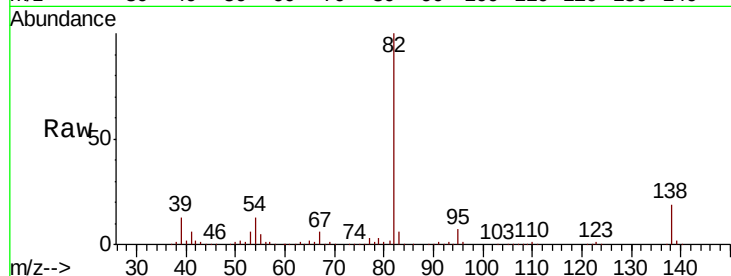
95 6.8 5.5 8.3

138 18.8 14.9 22.3

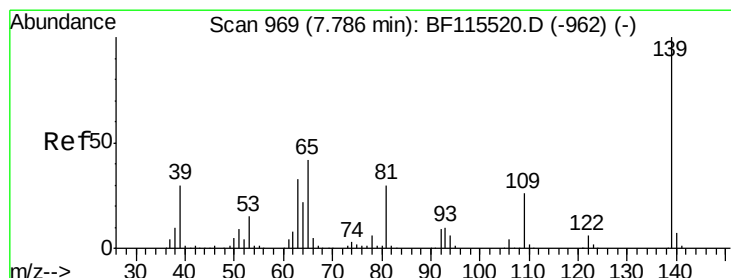
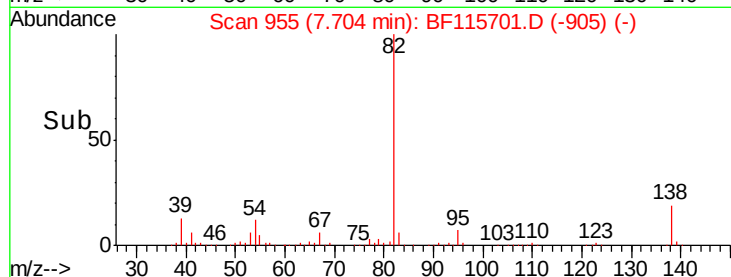
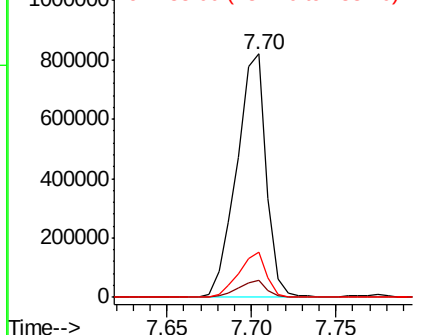
Manual Integrations
APPROVED

mohammad

7/23/2019 4:24:20 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 39.685 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

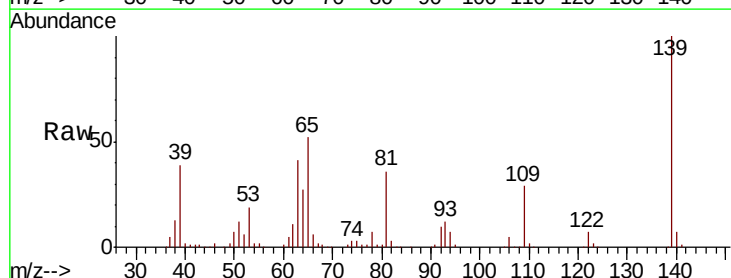
Tgt Ion: 139 Resp: 280607

Ion Ratio Lower Upper

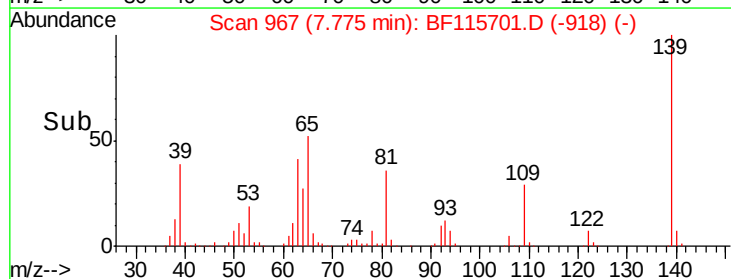
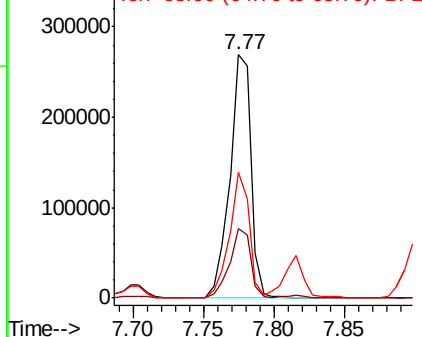
139 100

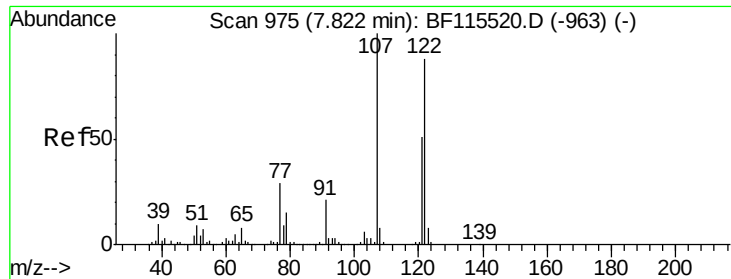
109 28.8 23.3 34.9

65 51.8 37.9 56.9



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





#27

2,4-Dimethylphenol

Concen: 43.391 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

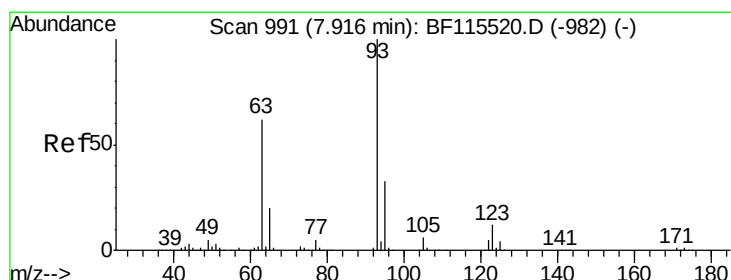
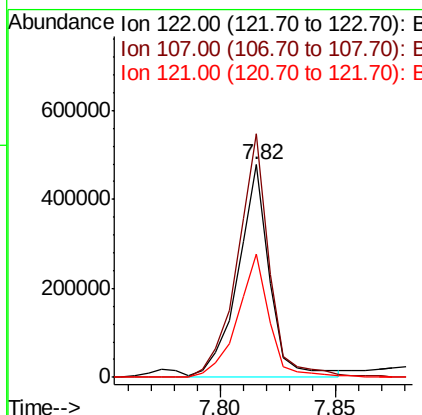
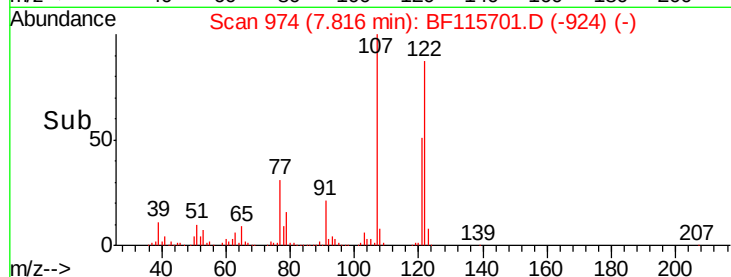
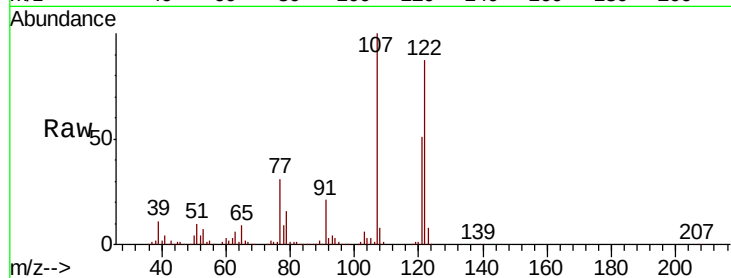
ClientSampleId :

PB121521BS

Tot Ion:	122	Resp:	459062
Ion Ratio	Lower	Upper	
122	100		
107	114.6	92.9	139.3
121	58.0	46.9	70.3

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



#28

bis(2-Chloroethoxy)methane

Concen: 39.347 ng

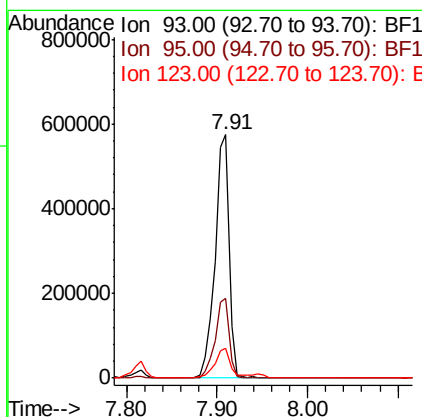
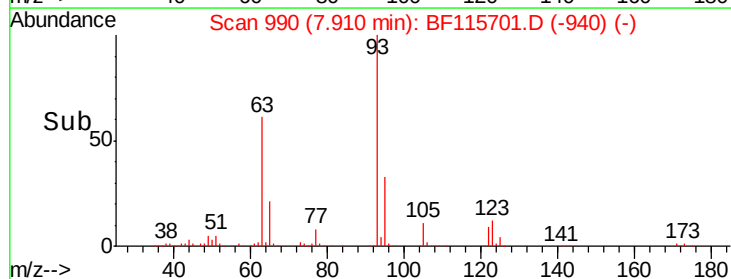
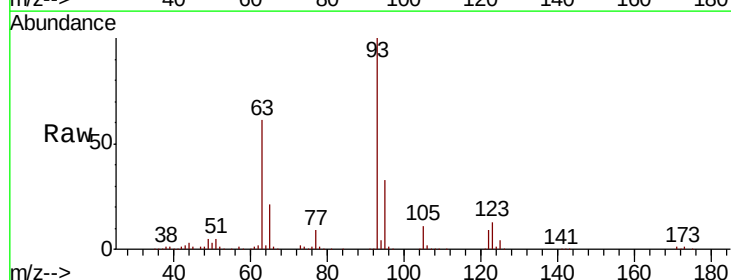
RT: 7.91 min Scan# 990

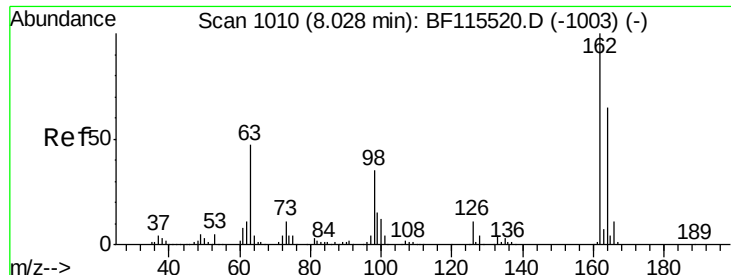
Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tgt Ion:	93	Resp:	615200
Ion Ratio	Lower	Upper	
93	100		
95	32.8	27.0	40.4
123	12.5	9.9	14.9





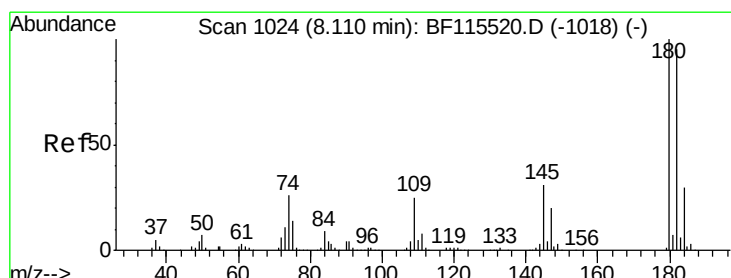
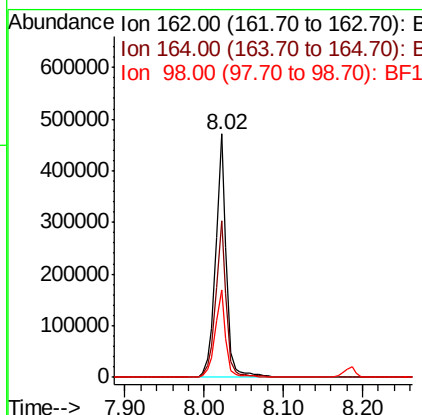
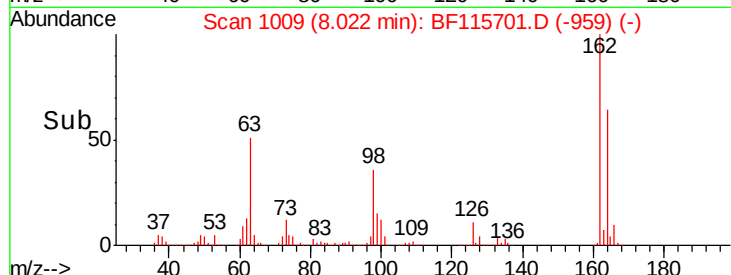
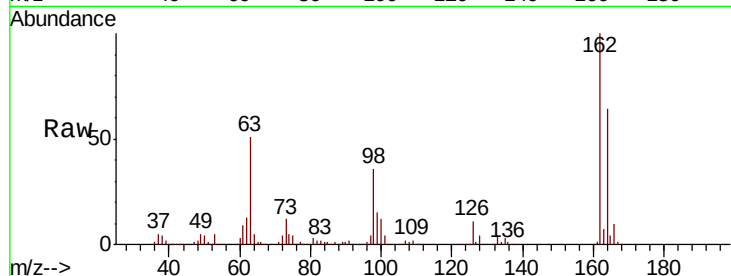
#29
2,4-Dichlorophenol
Concen: 40.106 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	441286		
164	64.5	44.9	84.9	
98	35.7	17.7	57.7	

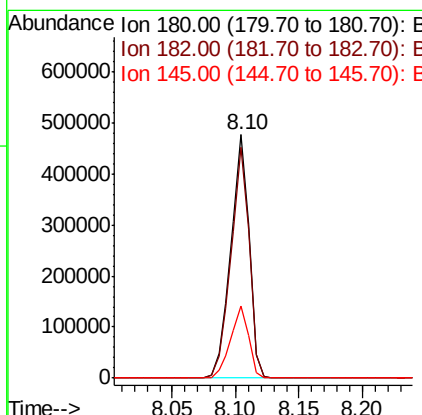
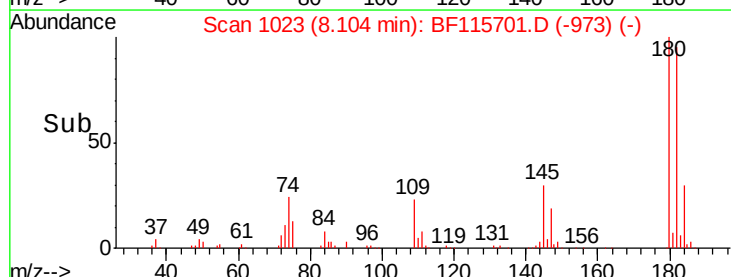
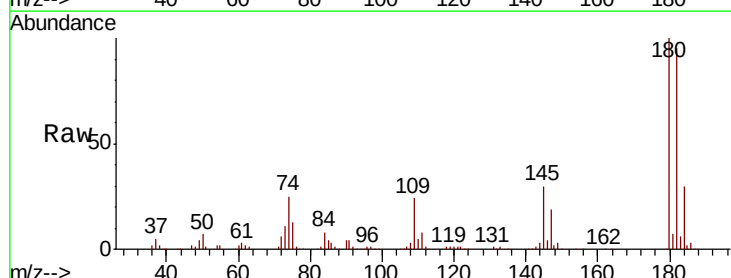
Manual Integrations
APPROVED

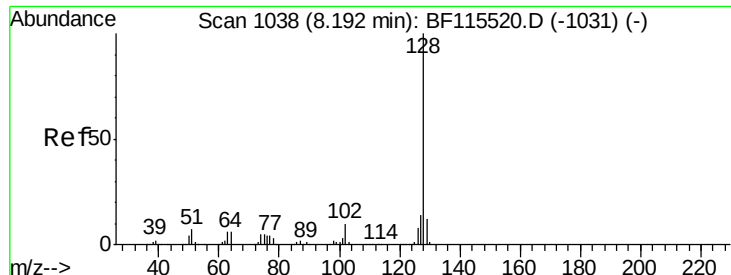
mohammad
7/23/2019 4:24:20 PM



#30
1,2,4-Trichlorobenzene
Concen: 38.041 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	473135		
182	94.8	75.0	112.6	
145	29.5	25.1	37.7	





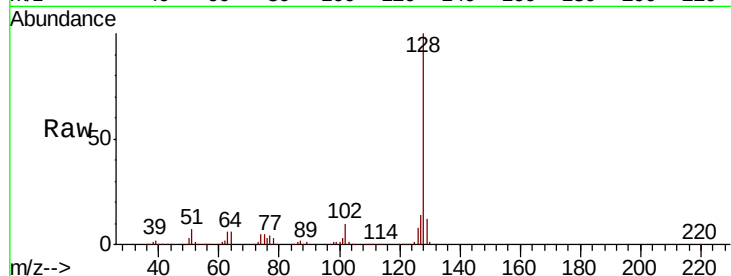
#31
Naphthalene
Concen: 39.974 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.9	14.9
127	13.9	12.1	18.1

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

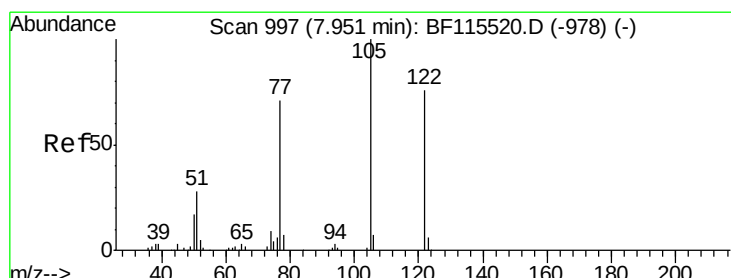
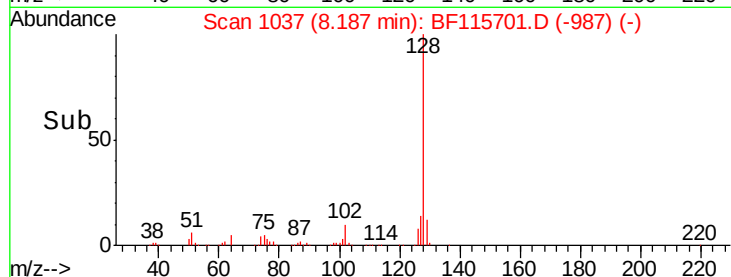
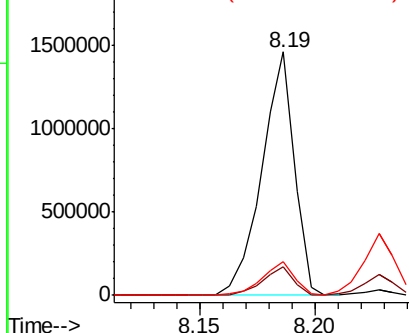


Abundance

Ion 128.00 (127.70 to 128.70): E

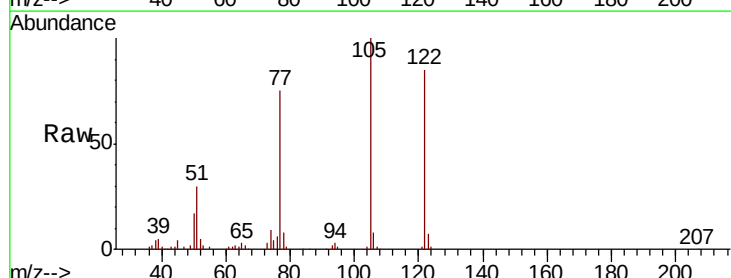
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 37.668 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.0	102.5	142.5
77	88.9	70.2	110.2

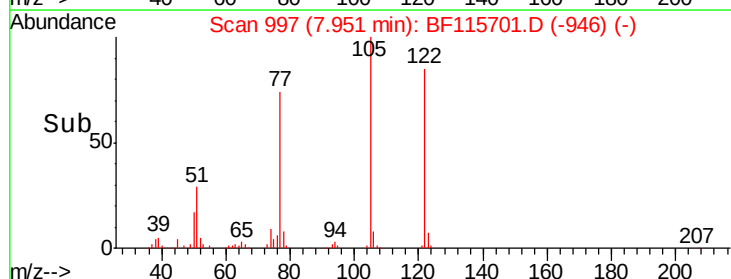
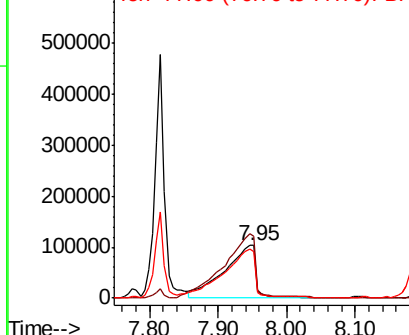


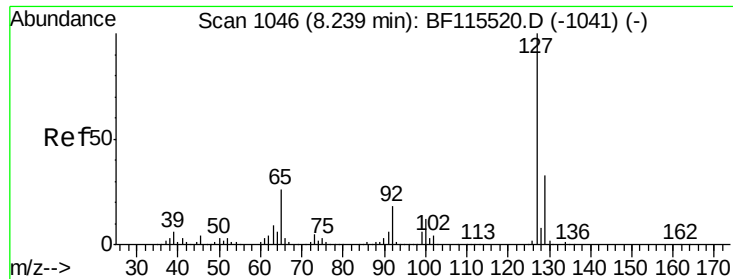
Abundance

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





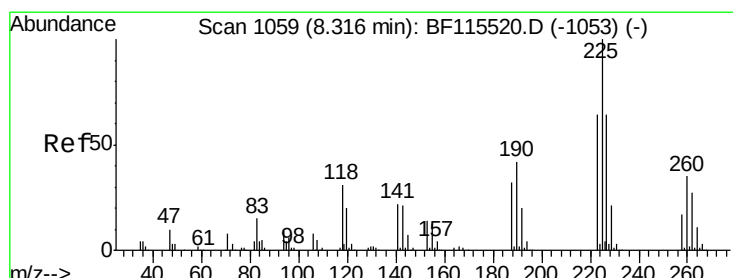
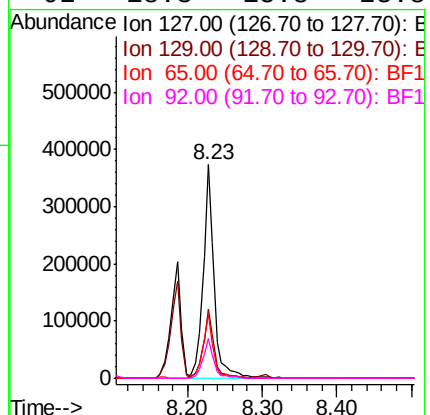
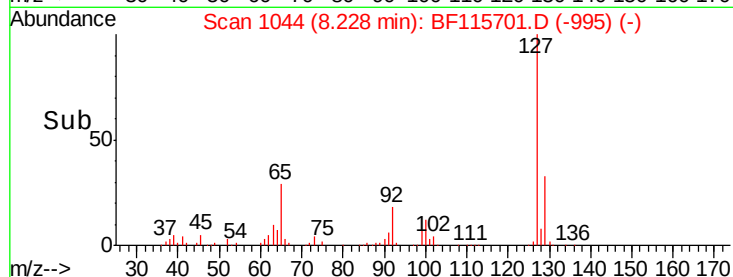
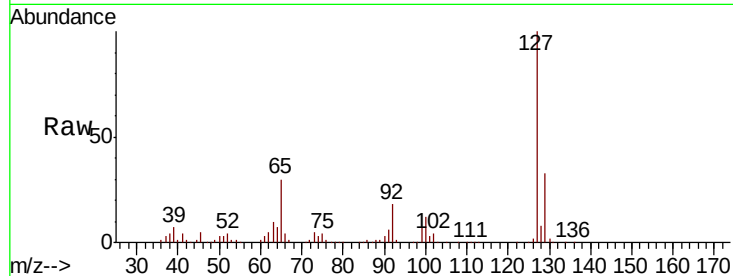
#33
4-Chloroaniline
Concen: 24.512 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		389422		
129	32.6	26.6	39.8		
65	30.0	23.7	35.5		
92	18.3	15.8	23.8		

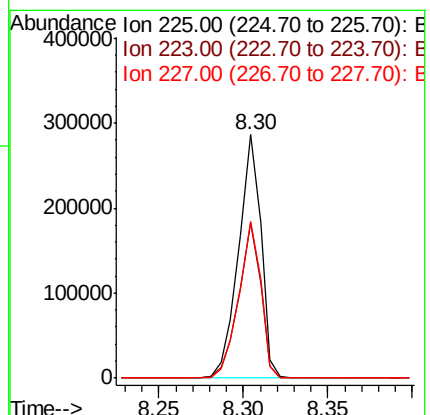
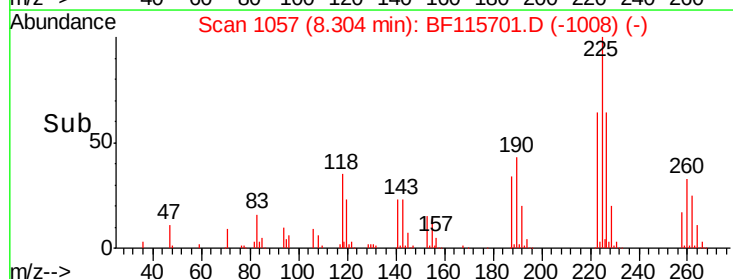
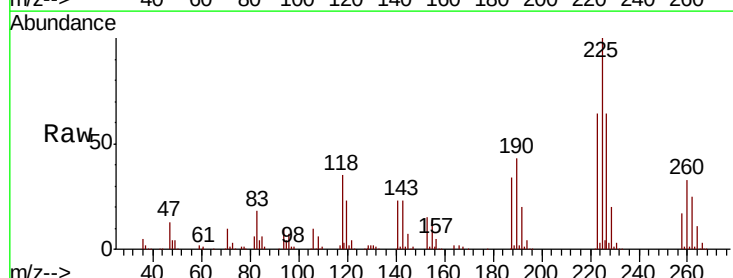
Manual Integrations
APPROVED

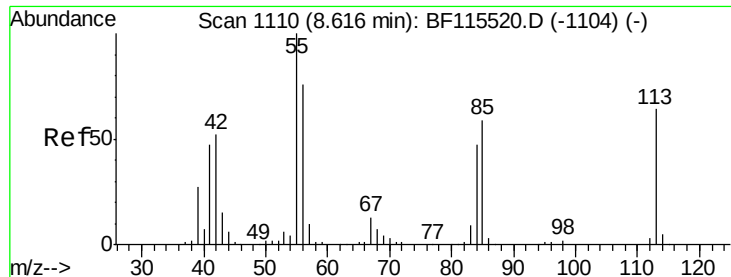
mohammad
7/23/2019 4:24:20 PM



#34
Hexachlorobutadiene
Concen: 37.113 ng
RT: 8.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		264699		
223	63.6	50.9	76.3		
227	64.1	50.7	76.1		





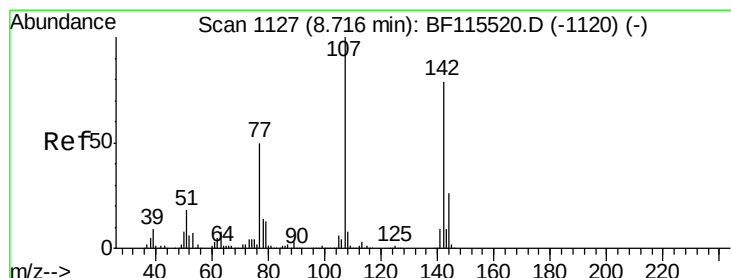
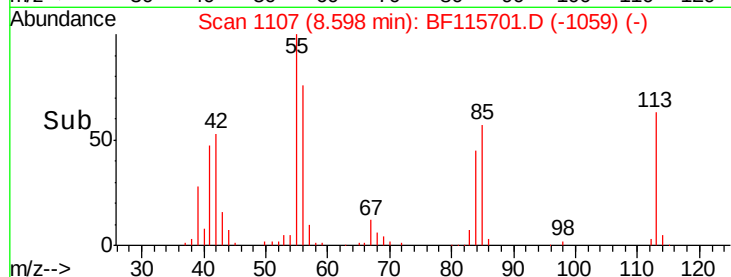
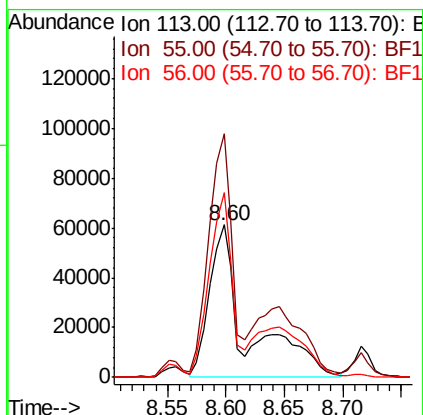
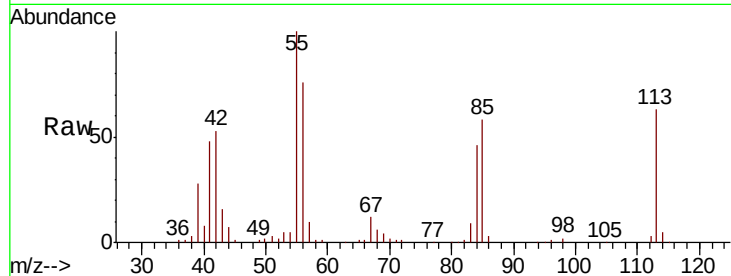
#35
Caprolactam
Concen: 40.240 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.02 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	160.0	126.9	166.9
56	121.6	90.3	130.3

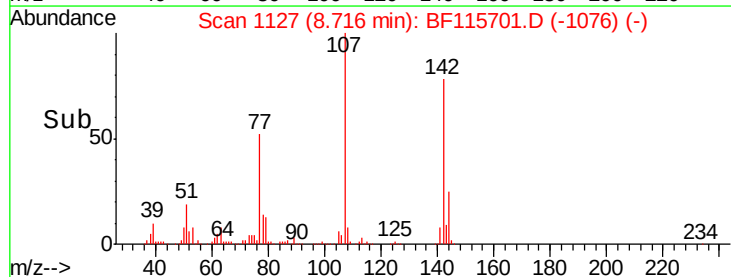
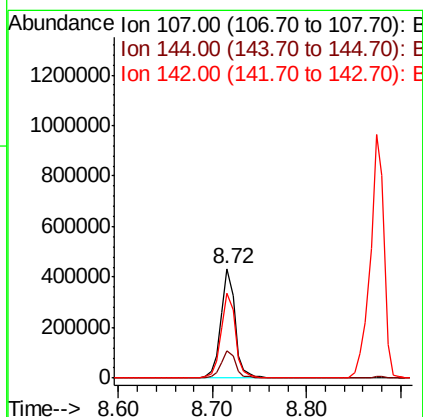
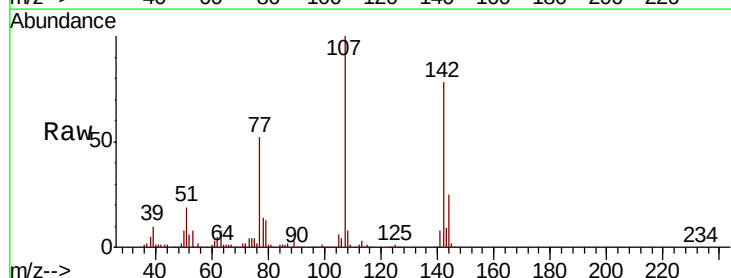
Manual Integrations
APPROVED

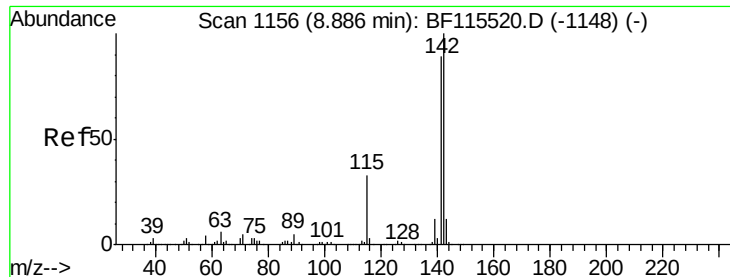
mohammad
7/23/2019 4:24:20 PM



#36
4-Chloro-3-methylphenol
Concen: 40.480 ng/ml
RT: 8.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.6	30.8
142	77.6	63.1	94.7





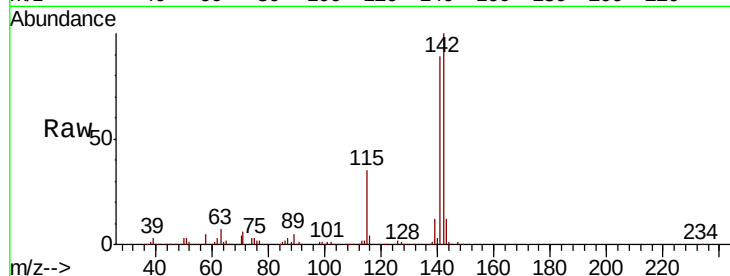
#37
2-Methylnaphthalene
Concen: 41.089 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.0	108.0
115	35.3	29.9	44.9

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

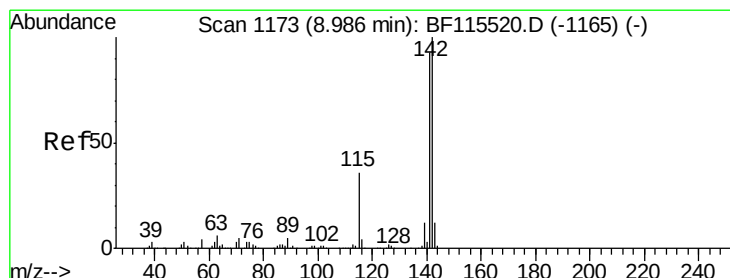
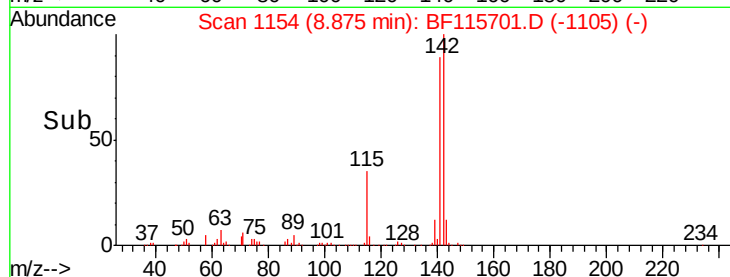
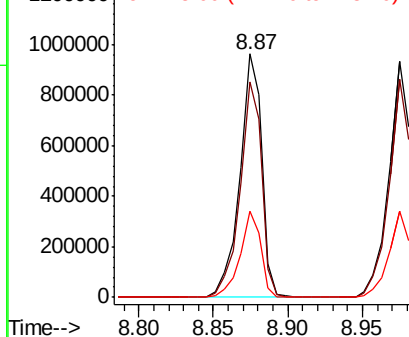


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 40.126 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

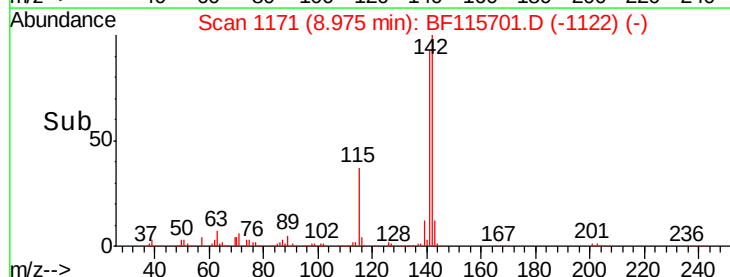
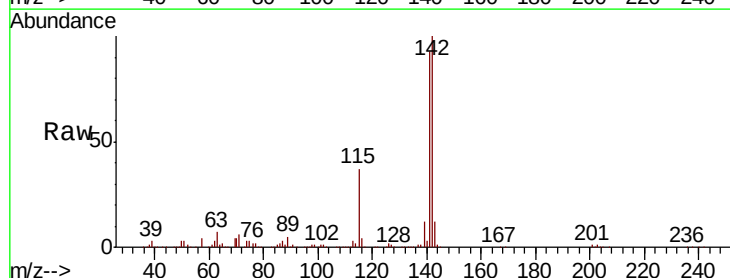
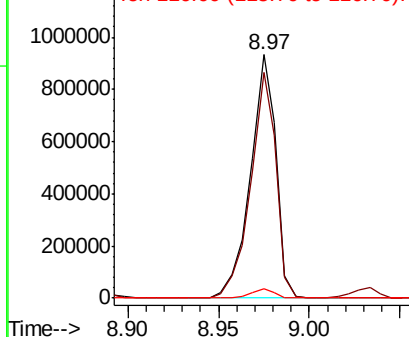
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	75.3	112.9
116	3.9	3.3	4.9

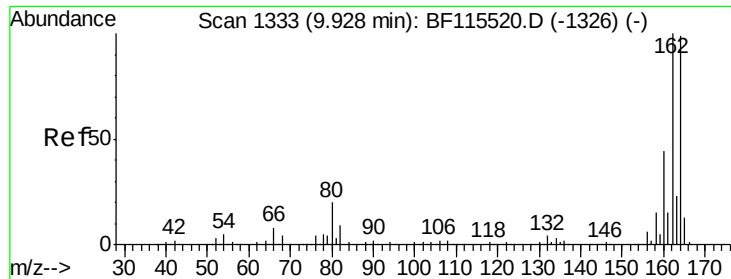
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





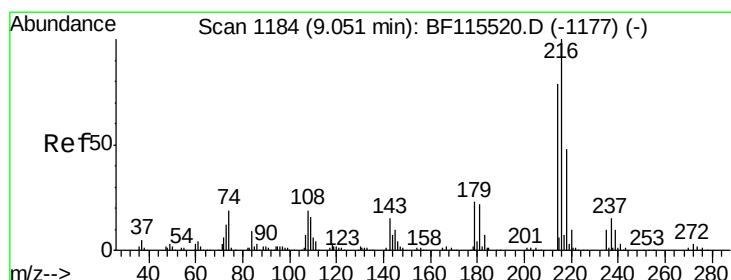
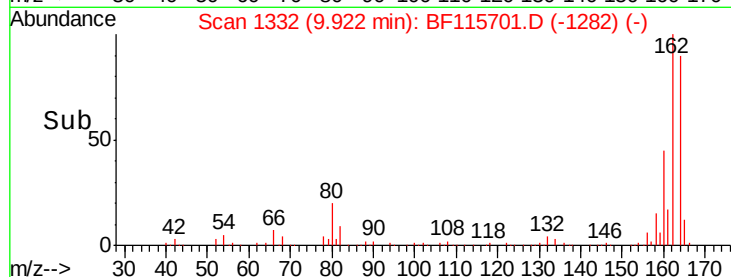
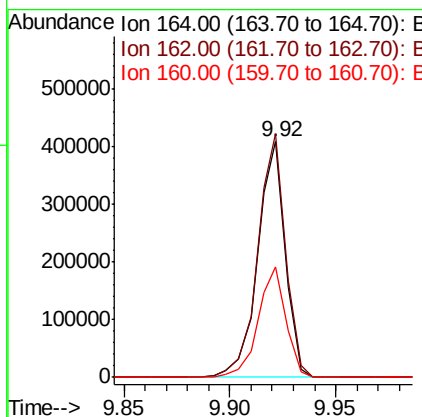
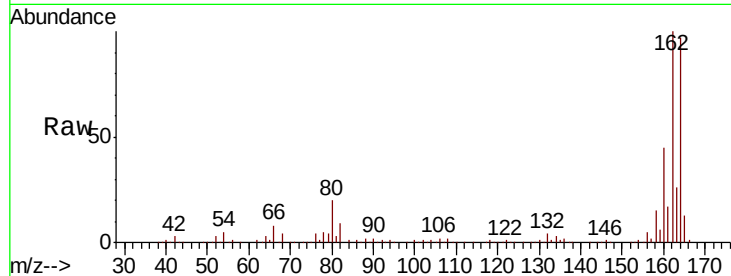
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampled :
PB121521BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.9	124.3
160	46.8	36.8	55.2

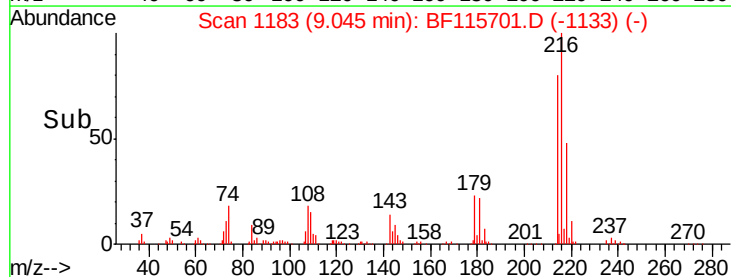
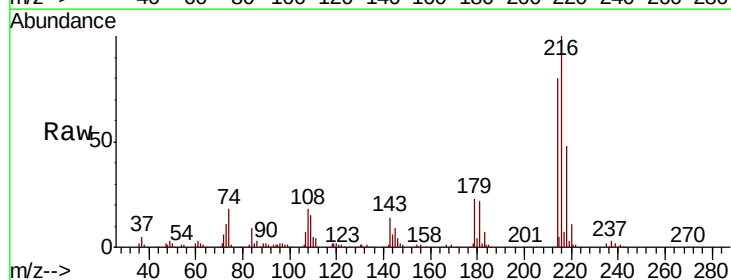
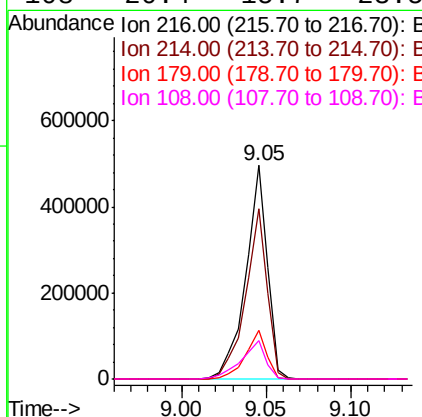
Manual Integrations
APPROVED

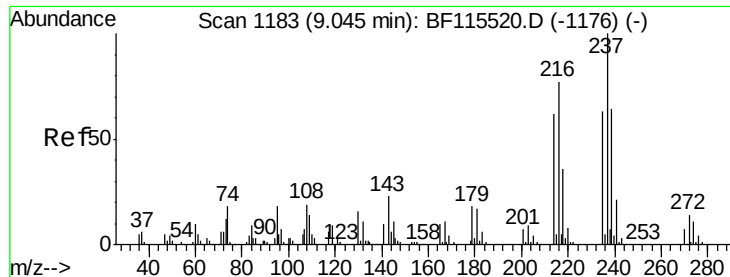
mohammad
7/23/2019 4:24:20 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.017 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.8	65.1	97.7
179	22.2	18.3	27.5
108	20.4	15.7	23.5





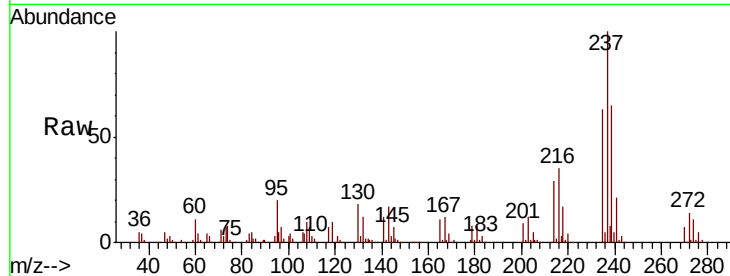
#41
Hexachlorocyclopentadiene
Concen: 48.197 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

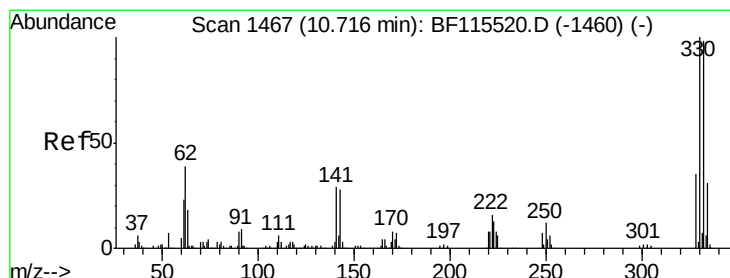
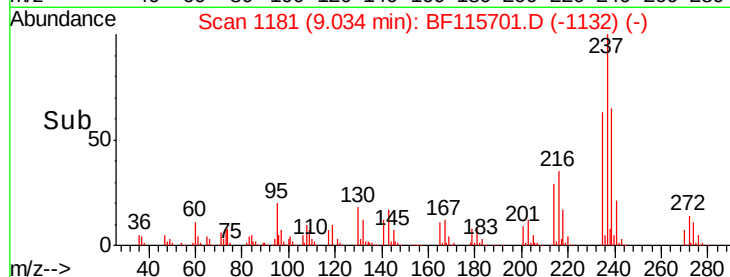
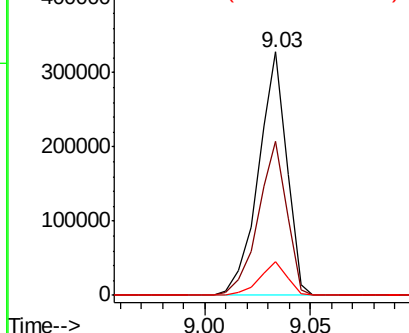
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.2	43.6	83.6
272	13.7	0.0	33.9

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

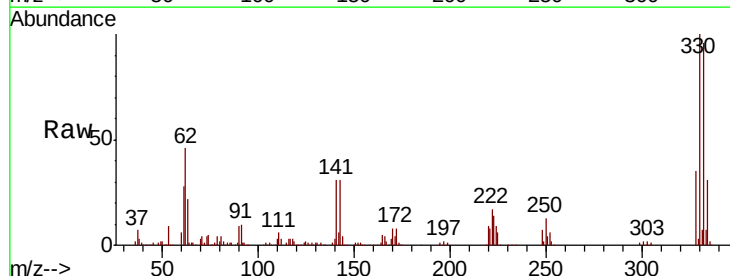


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

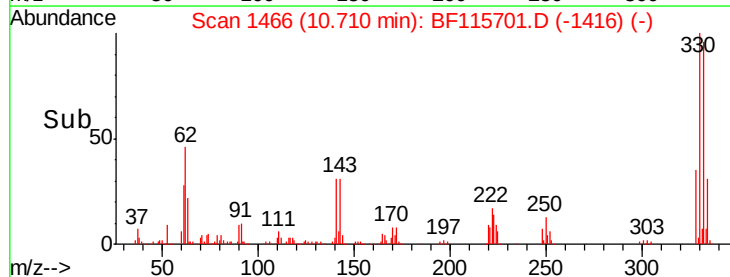
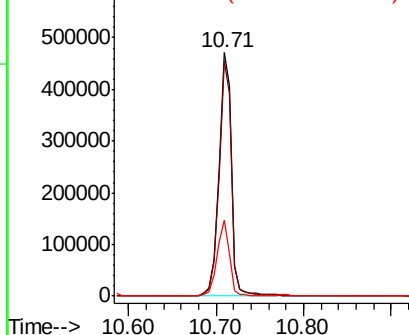


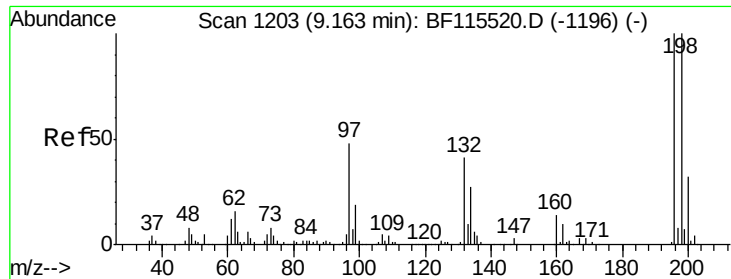
#42
2,4,6-Tribromophenol
Concen: 109.084 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.2	77.4	116.2
141	30.8	22.4	33.6



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





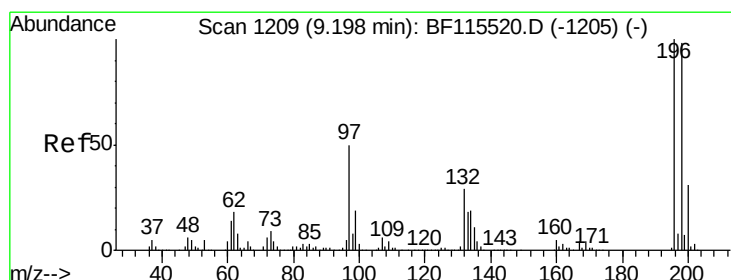
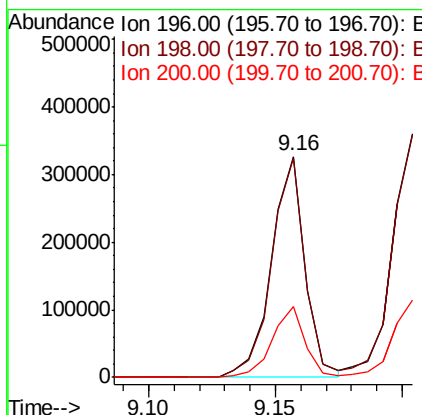
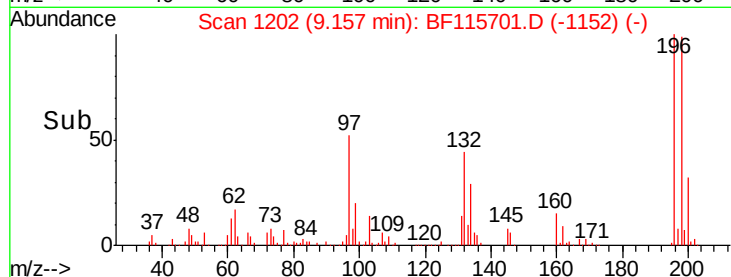
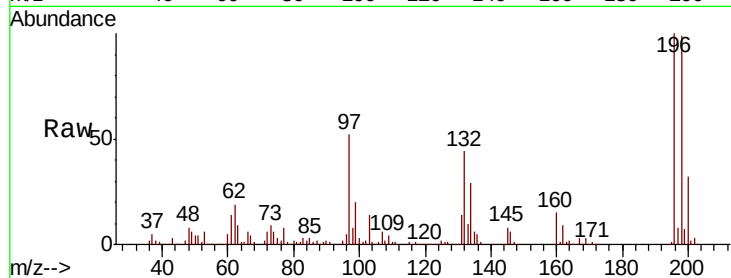
#43
 2,4,6-Trichlorophenol
 Concen: 37.273 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Instrument :
 BNA_F
 ClientSampled :
 PB121521BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	303281		
198	99.2	80.6	121.0	
200	32.1	25.8	38.6	

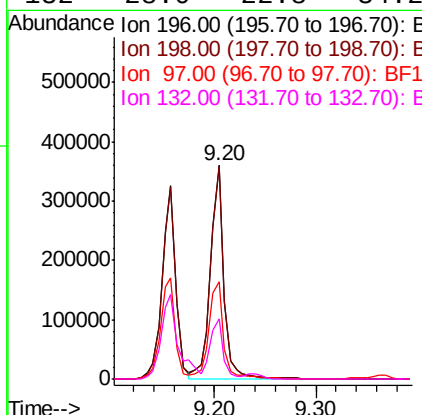
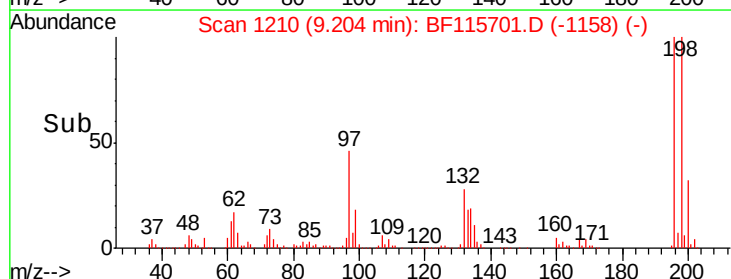
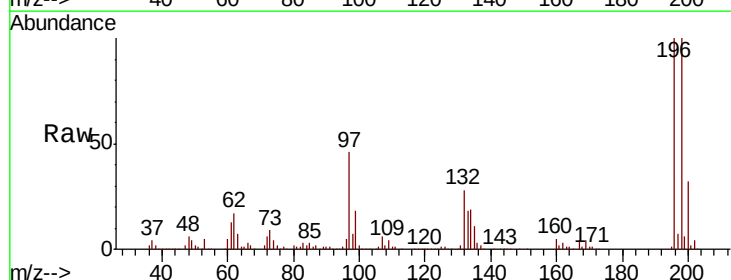
Manual Integrations
 APPROVED

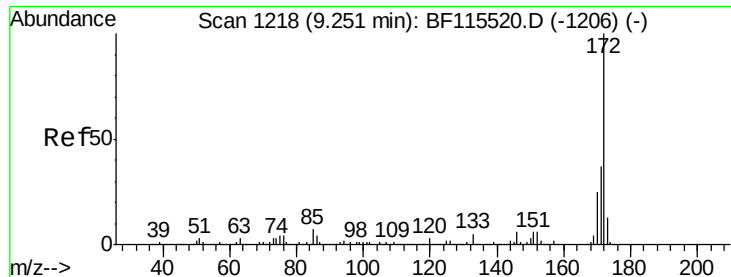
mohammad
 7/23/2019 4:24:20 PM



#44
 2,4,5-Trichlorophenol
 Concen: 39.873 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	332257		
198	99.7	79.6	119.4	
97	45.8	37.8	56.6	
132	28.0	22.8	34.2	





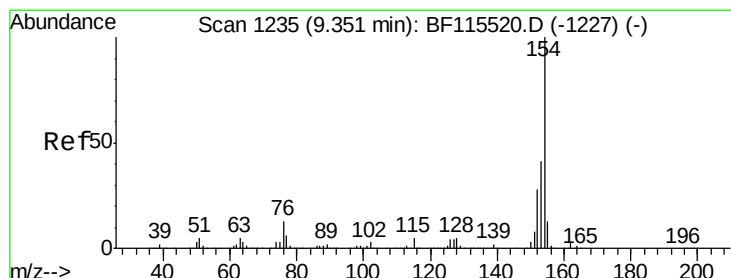
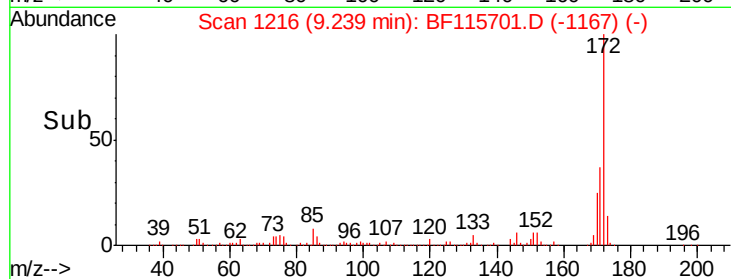
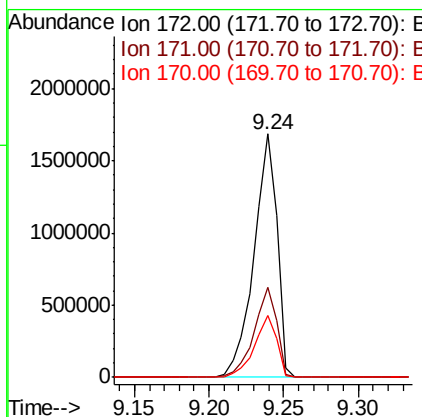
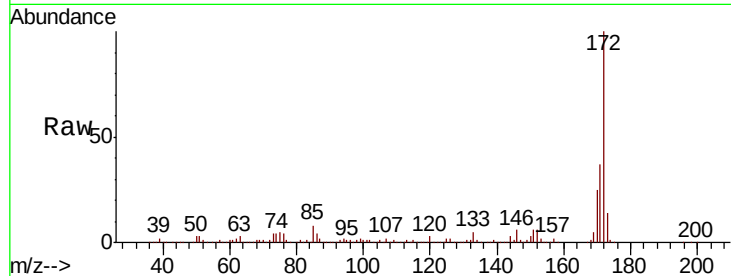
#45
2-Fluorobiphenyl
Concen: 84.623 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	25.4	20.5	30.7

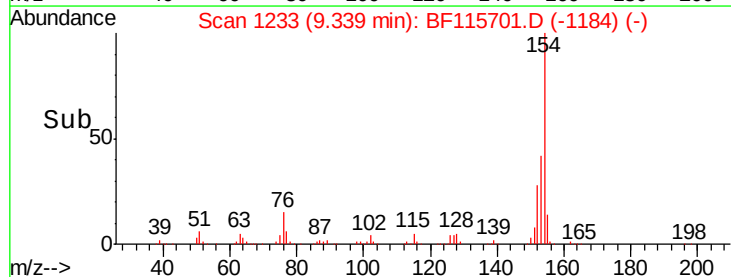
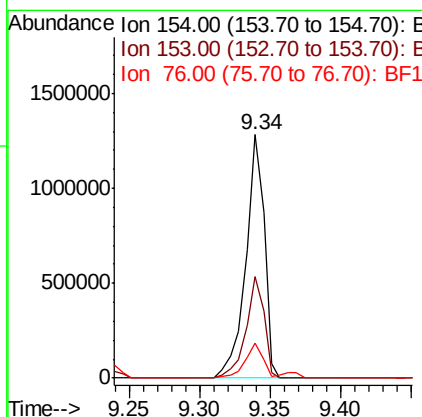
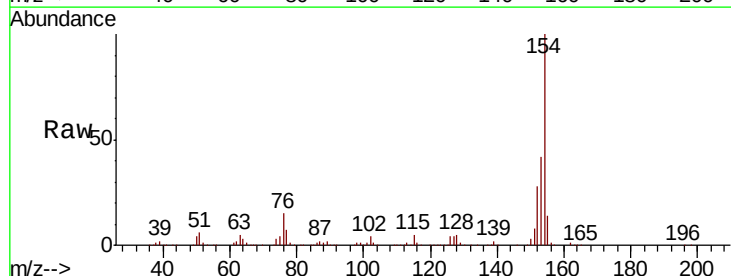
Manual Integrations
APPROVED

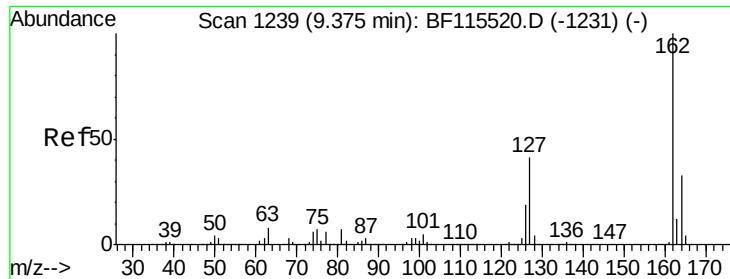
mohammad
7/23/2019 4:24:20 PM



#46
1,1'-Biphenyl
Concen: 40.572 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	22.6	62.6
76	14.6	0.0	33.4





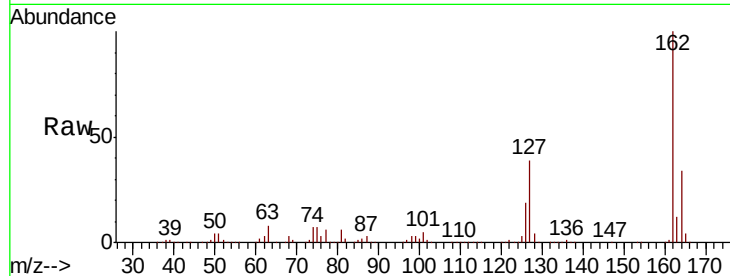
#47
2-Chloronaphthalene
Concen: 38.744 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.3	34.1	51.1
164	33.7	27.4	41.2

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

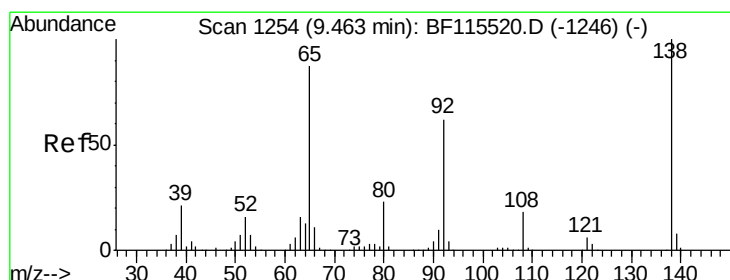
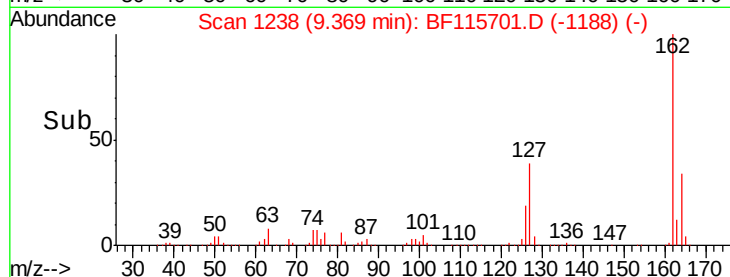
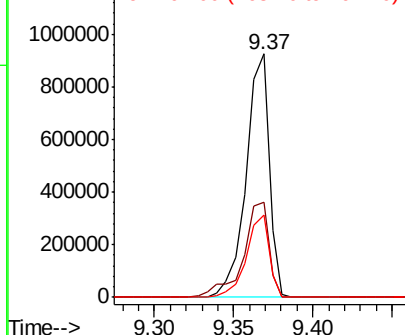


Abundance

Ion 162.00 (161.70 to 162.70): E

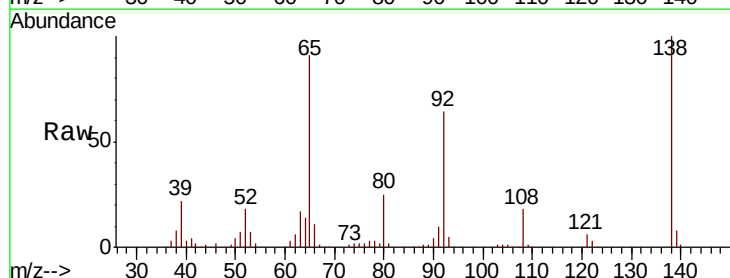
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 38.786 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.6	57.8	86.6
138	109.8	91.2	136.8

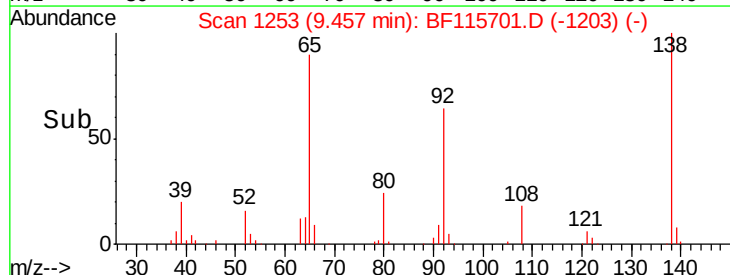
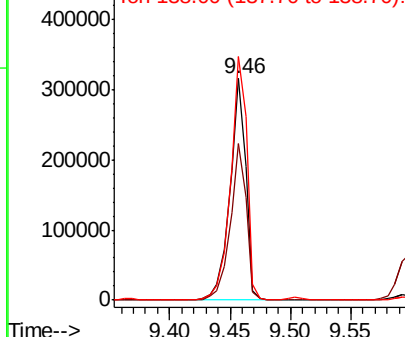


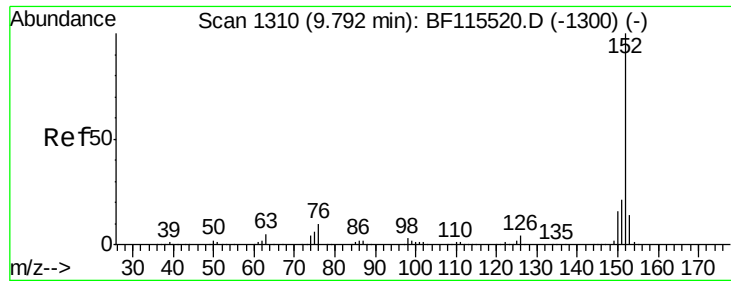
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 39.588 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

ClientSampleId :

PB121521BS

Tot Ion:152 Resp: 1410893

Ion Ratio Lower Upper

152 100

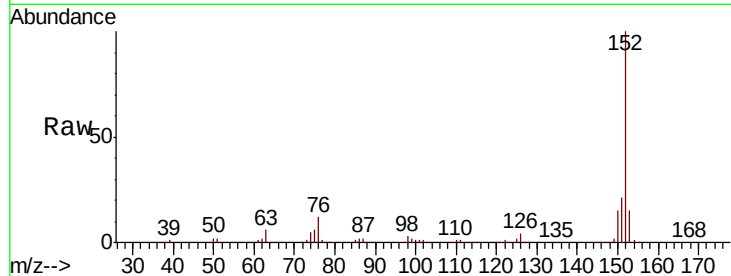
151 20.7 17.7 26.5

153 14.6 12.0 18.0

Manual Integrations
APPROVED

mohammad

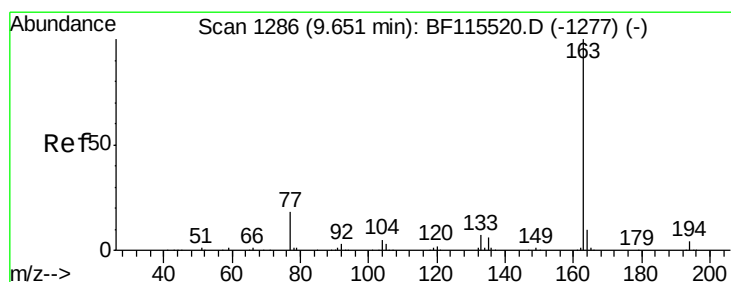
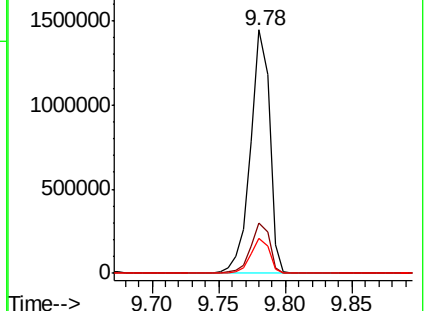
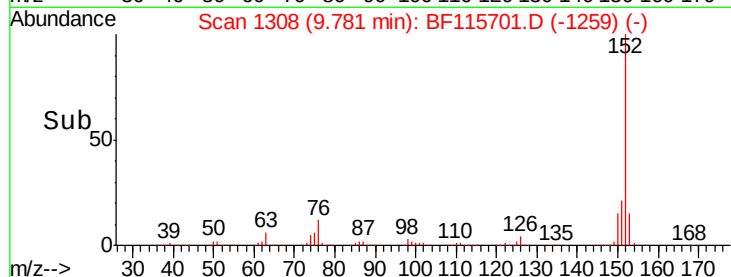
7/23/2019 4:24:20 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.459 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

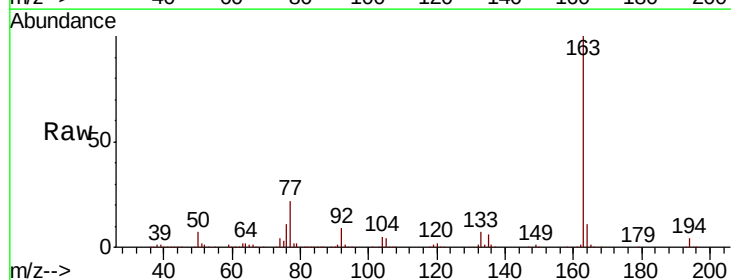
Tgt Ion:163 Resp: 1096937

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

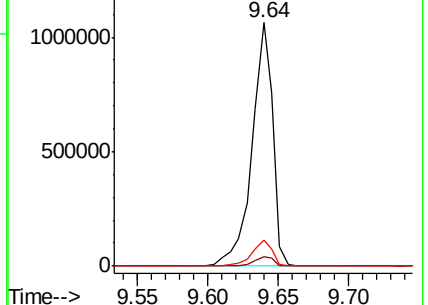
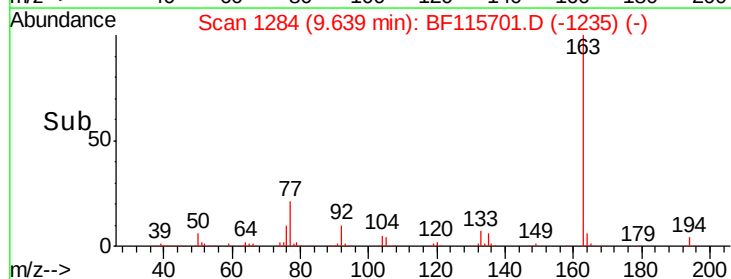
164 10.6 8.7 13.1

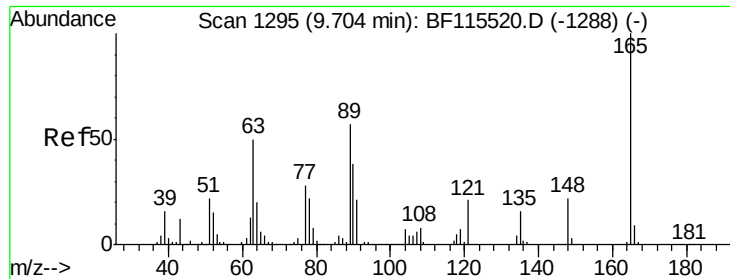


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





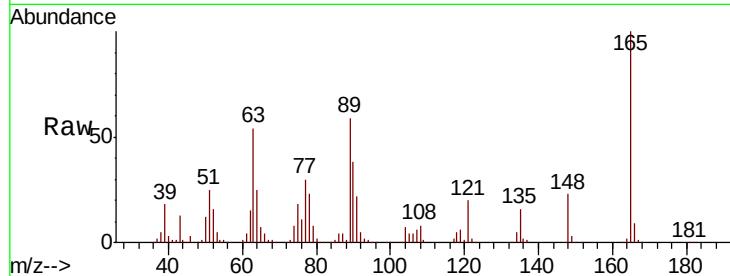
#51
2,6-Dinitrotoluene
Concen: 39.517 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

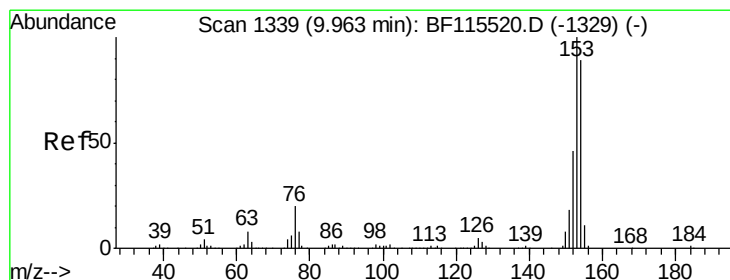
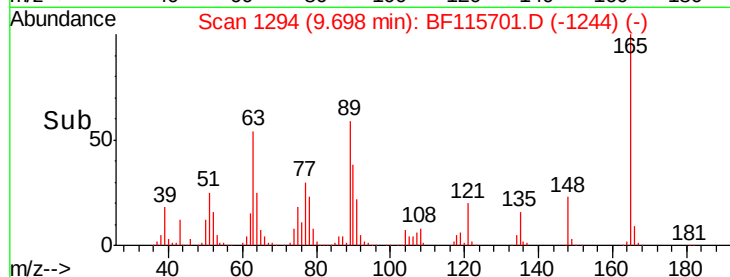
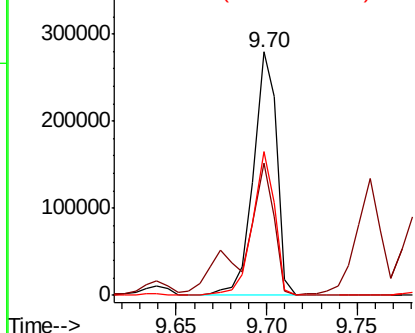
Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	54.3	40.6	61.0
89	58.9	43.9	65.9

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



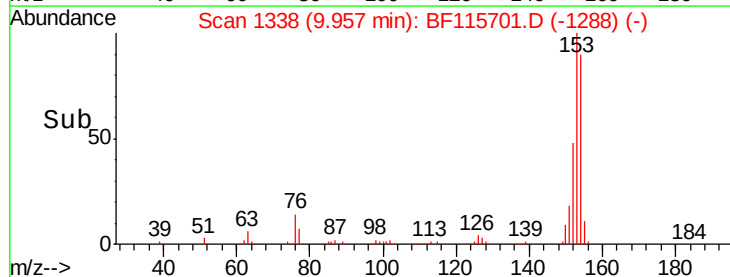
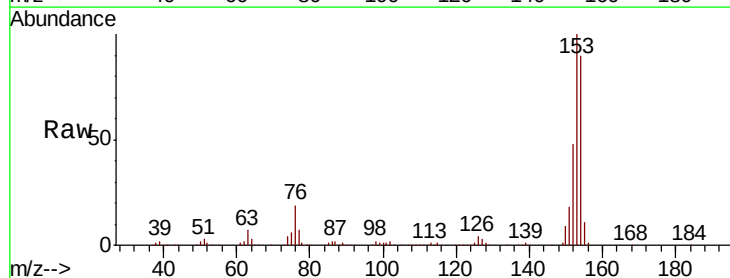
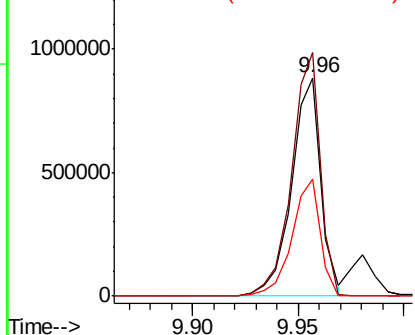
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

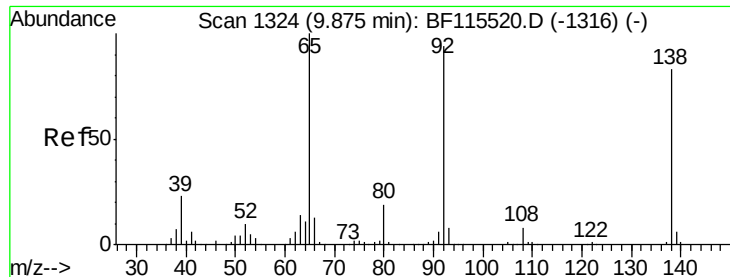


#52
Acenaphthene
Concen: 37.278 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	111.4	88.6	133.0
152	53.5	42.3	63.5

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





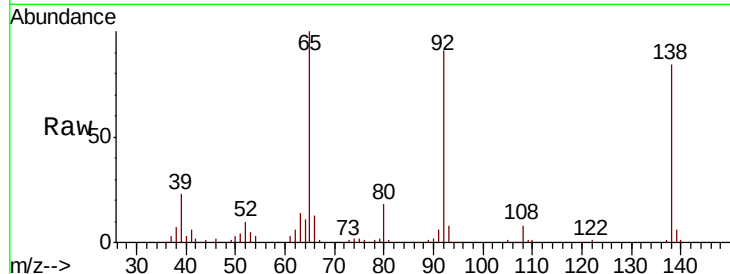
#53
 3-Nitroaniline
 Concen: 27.737 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 PB121521BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.4	12.6
92	108.8	88.0	132.0

Manual Integrations
 APPROVED

mohammad
 7/23/2019 4:24:20 PM

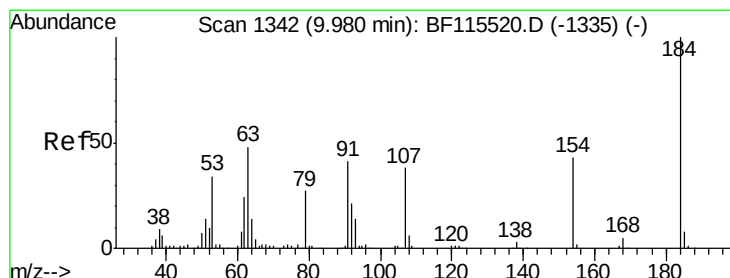
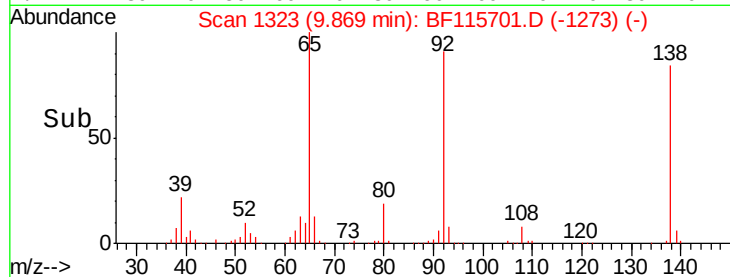
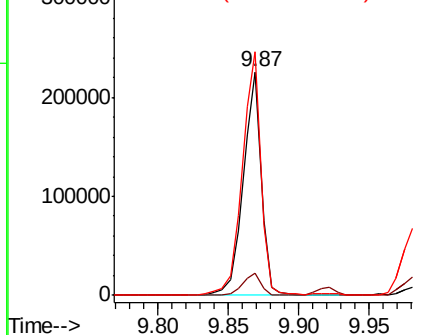


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
 2,4-Dinitrophenol
 Concen: 77.344 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

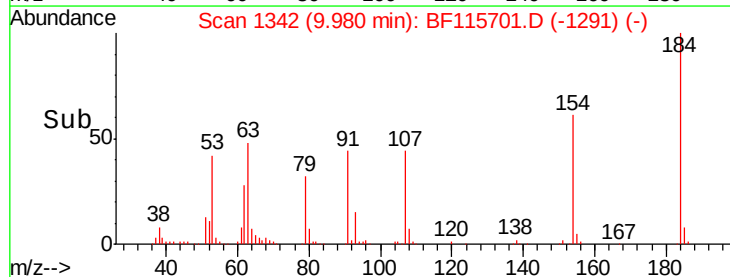
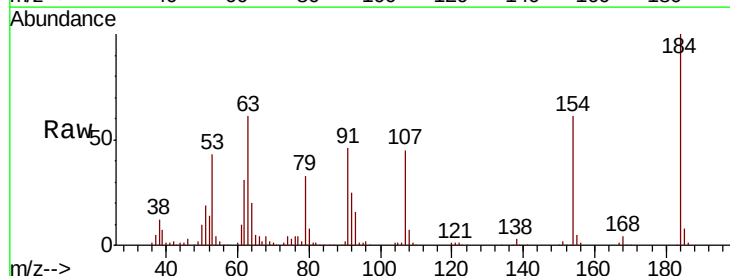
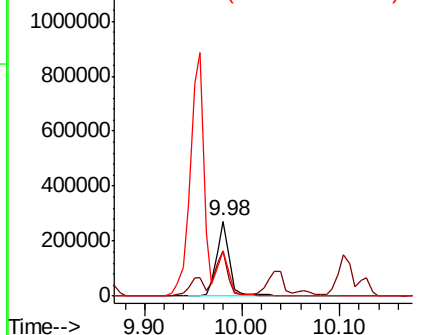
Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.4	48.7	73.1
154	61.2	48.6	73.0

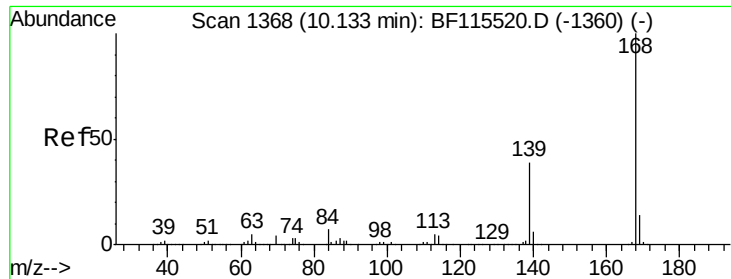
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





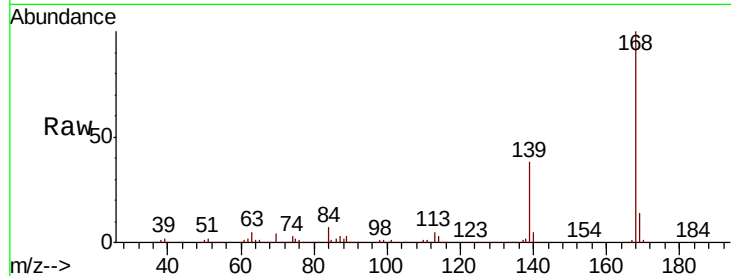
#55
Dibenzenofuran
Concen: 38.924 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.1	46.7
169	14.0	11.1	16.7

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

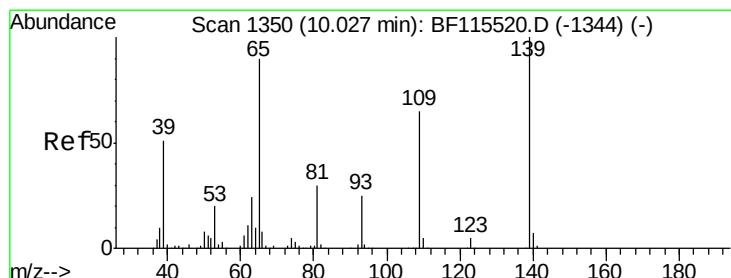
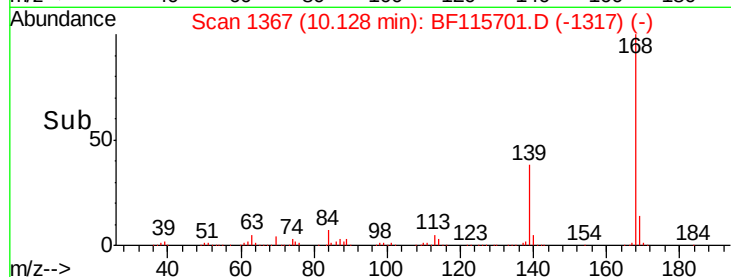
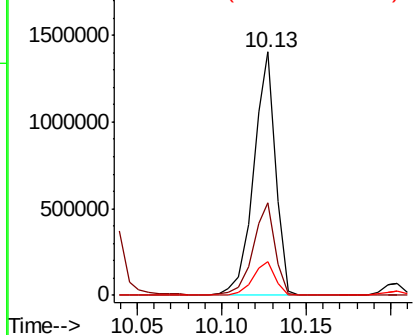


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 73.954 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

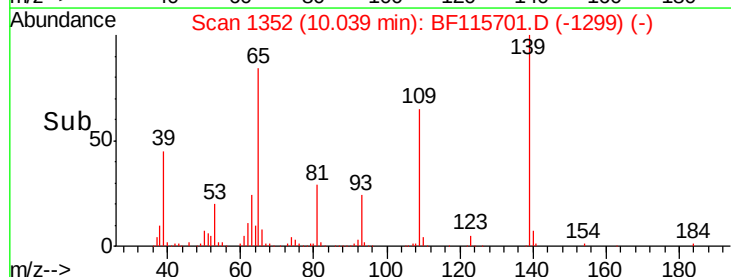
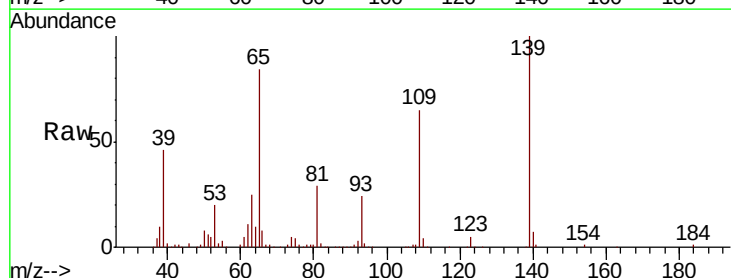
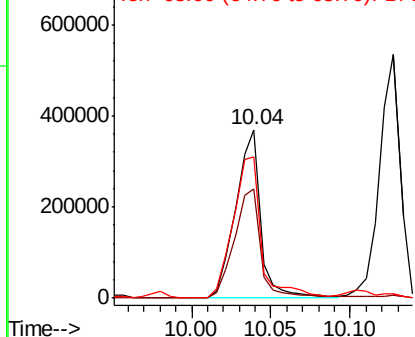
Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.2	46.4	86.4
65	84.3	68.9	108.9

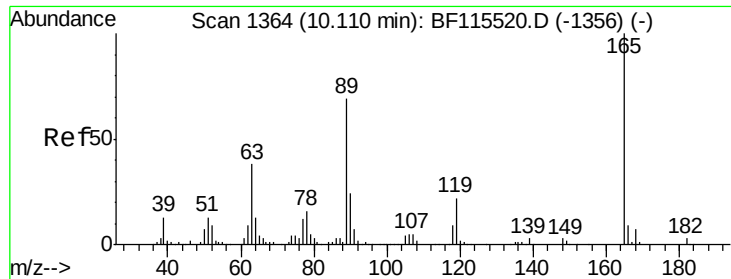
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





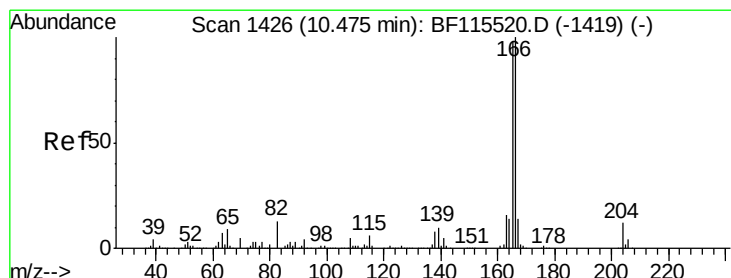
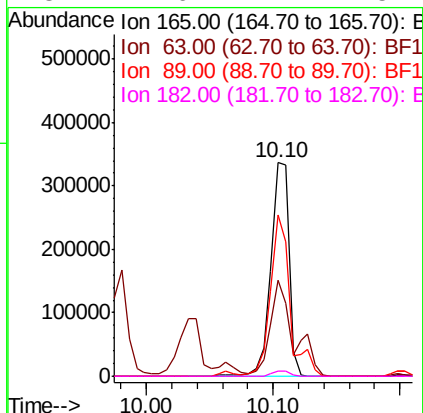
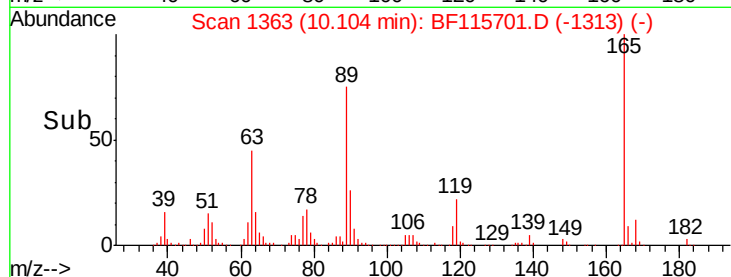
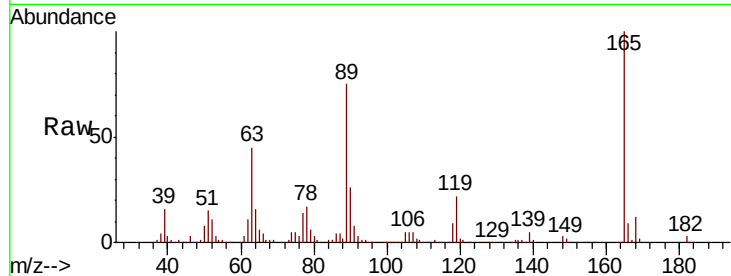
#57
2,4-Dinitrotoluene
Concen: 40.771 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	333696		
63	44.9		34.9	52.3
89	75.4		57.5	86.3
182	2.6		2.2	3.4

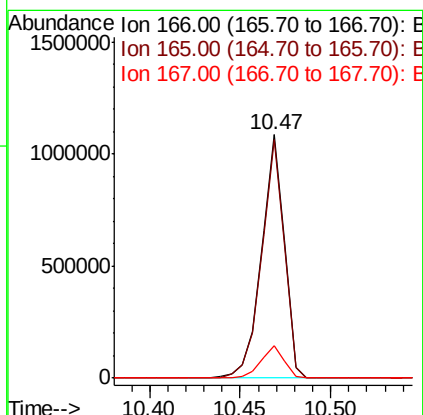
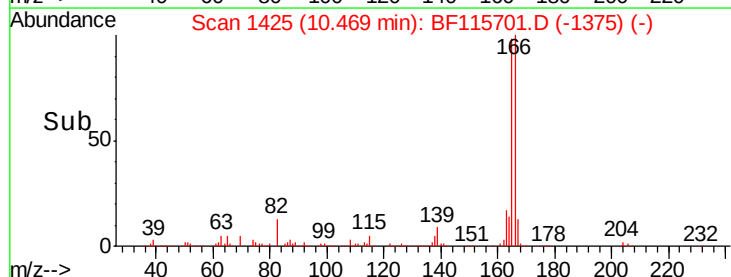
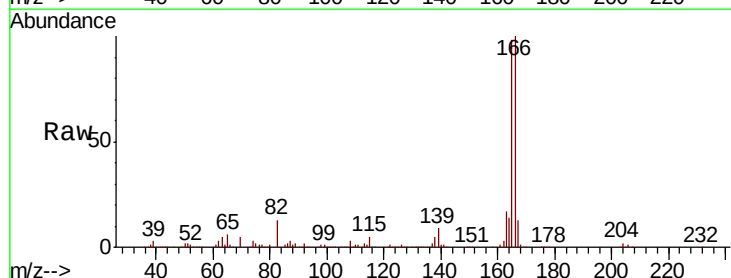
Manual Integrations
APPROVED

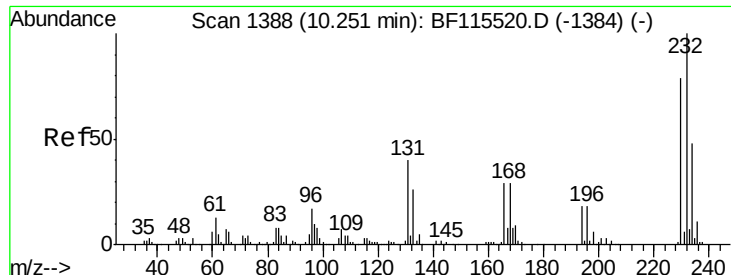
mohammad
7/23/2019 4:24:20 PM



#58
Fluorene
Concen: 40.883 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	955023		
165	98.2		79.8	119.6
167	13.5		11.2	16.8





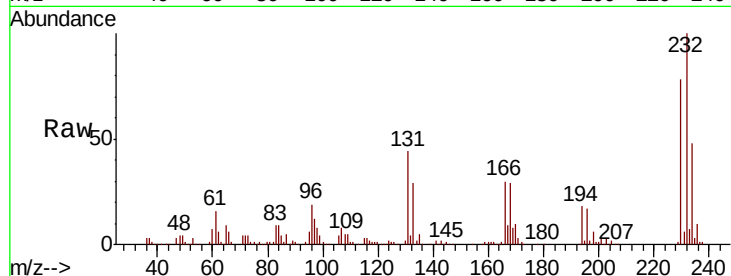
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.531 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.2	35.9	53.9
130	2.2	1.8	2.6
166	29.6	24.8	37.2

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



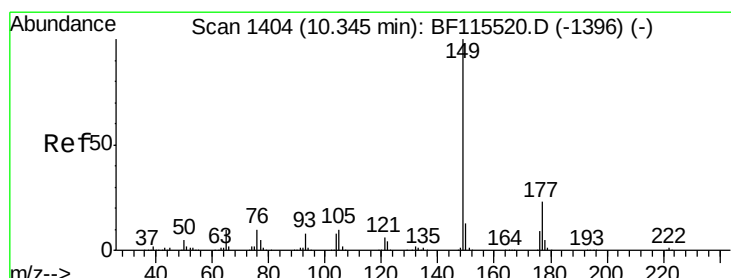
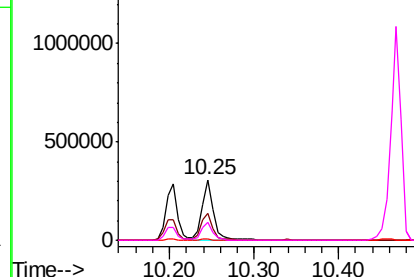
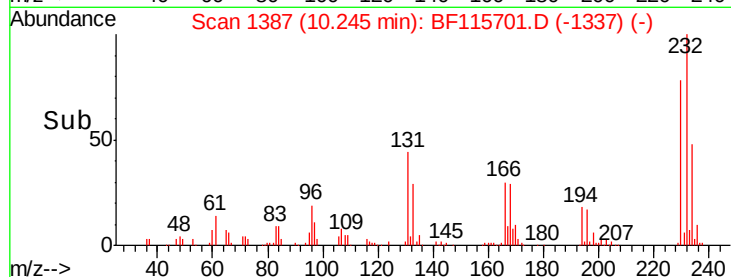
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

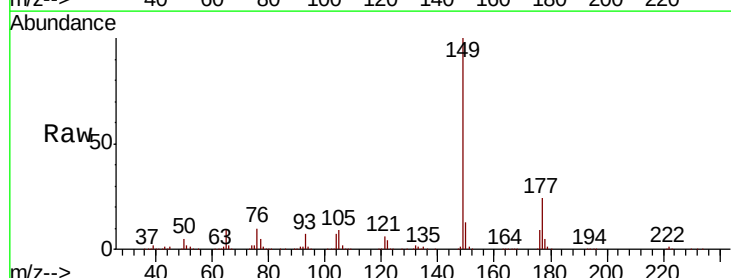
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 39.916 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.6	19.5	29.3
150	12.8	10.4	15.6

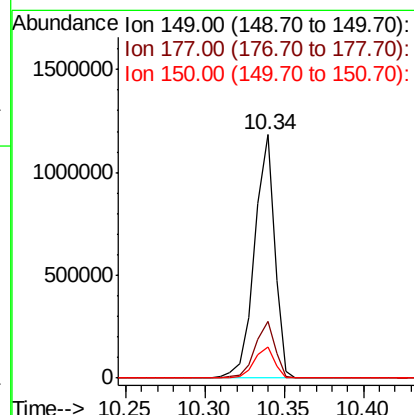
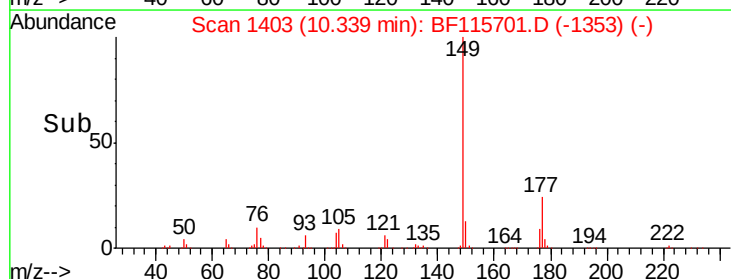


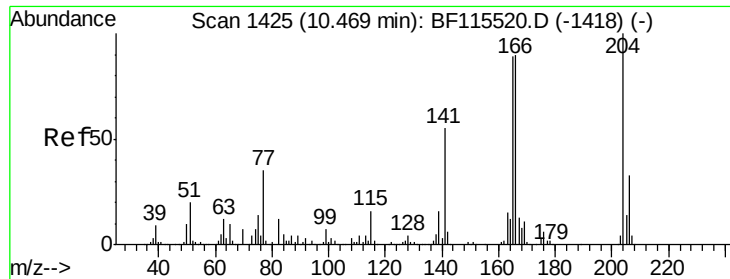
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





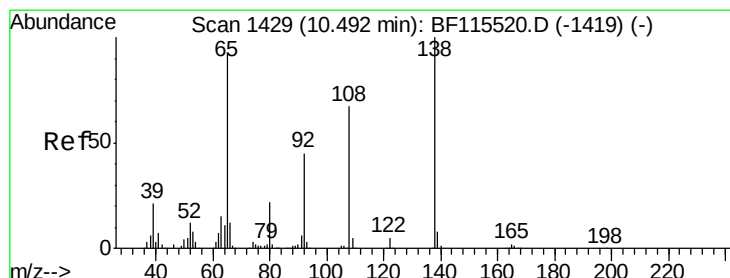
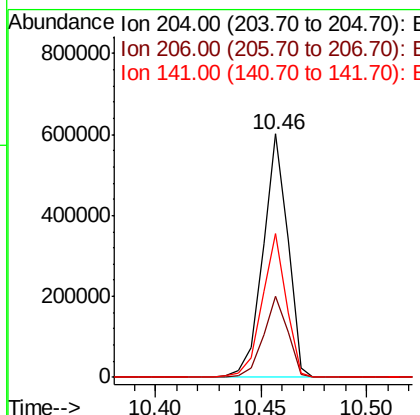
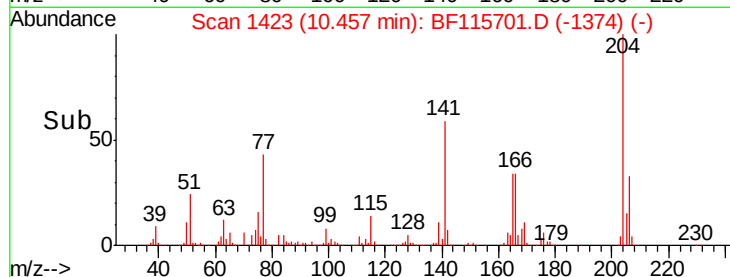
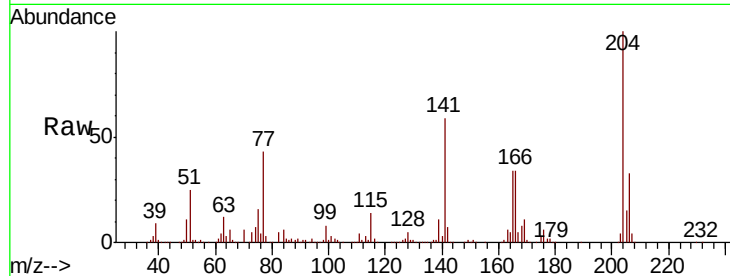
#61
 4-Chlorophenyl-phenylether
 Concen: 37.866 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 PB121521BS

Tot Ion:	204	Resp:	490519
Ion Ratio	Lower	Upper	
204	100		
206	33.4	26.7	40.1
141	59.1	44.2	66.2

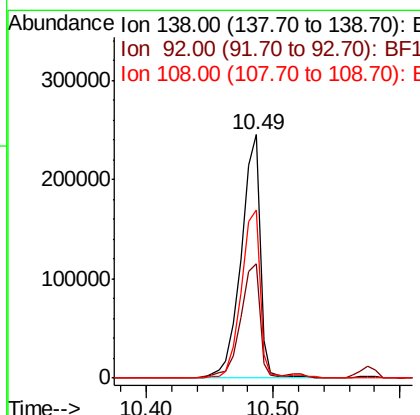
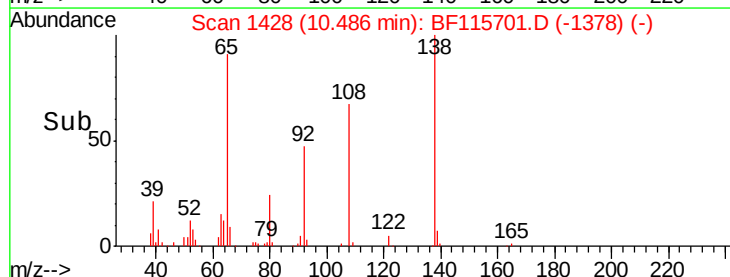
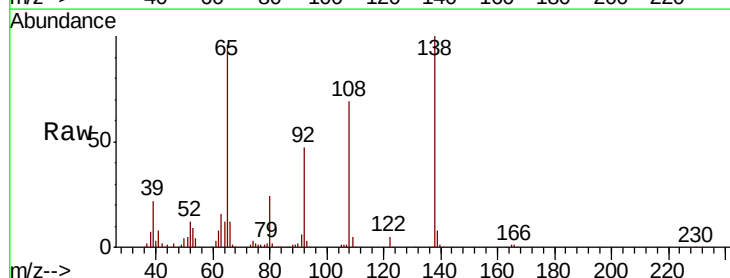
Manual Integrations
 APPROVED

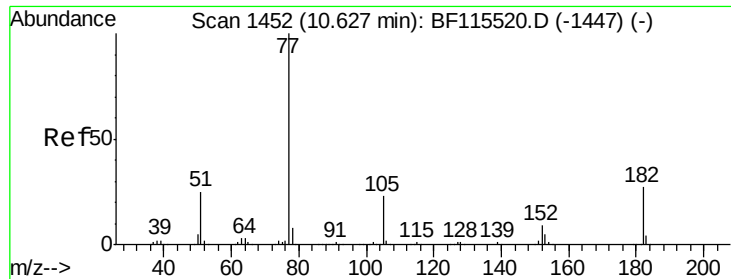
mohammad
 7/23/2019 4:24:20 PM



#62
 4-Nitroaniline
 Concen: 36.768 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Tgt Ion:	138	Resp:	254621
Ion Ratio	Lower	Upper	
138	100		
92	47.0	27.1	67.1
108	69.1	48.0	88.0





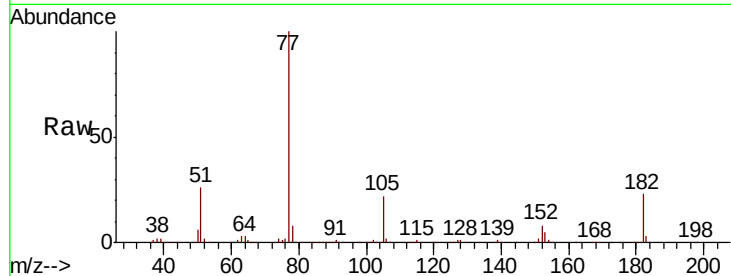
#63
Azobenzene
Concen: 41.552 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	23.4	6.9	46.9	
105	22.1	3.9	43.9	
51	26.4	7.3	47.3	

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



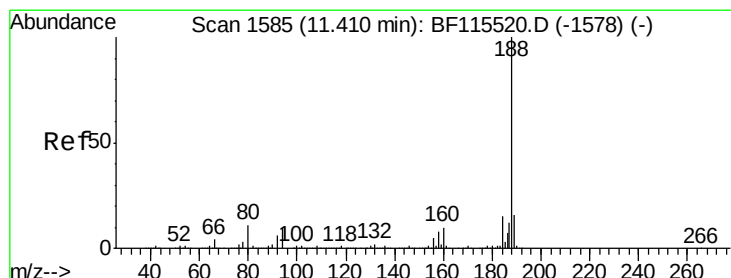
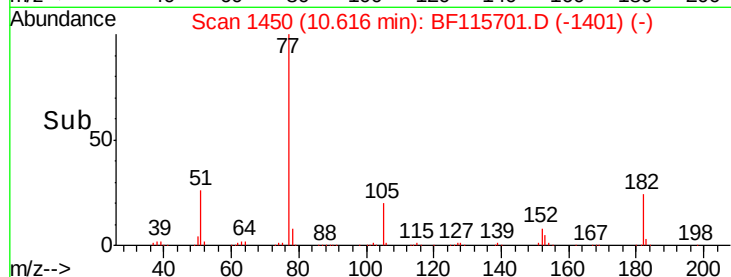
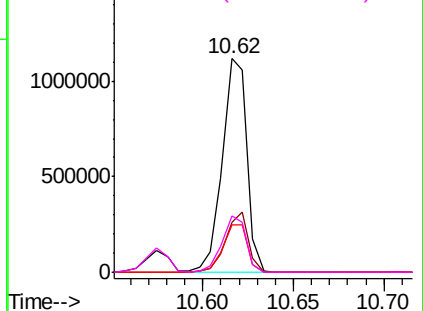
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

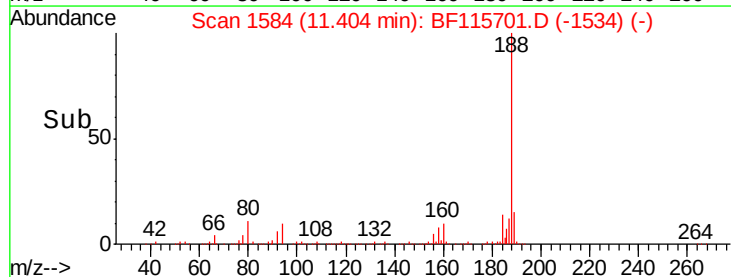
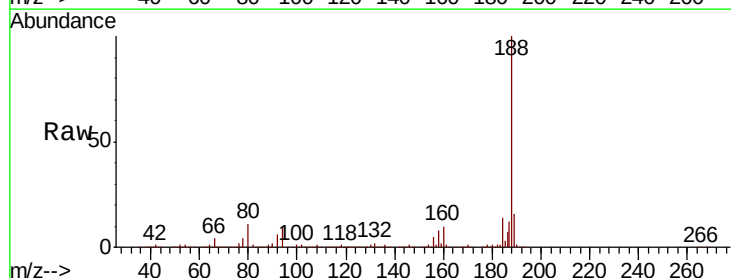
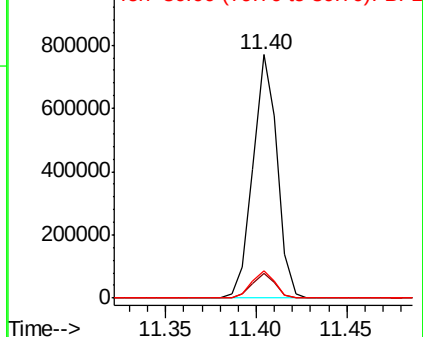
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.2	7.8	11.6	
80	11.0	8.6	13.0	

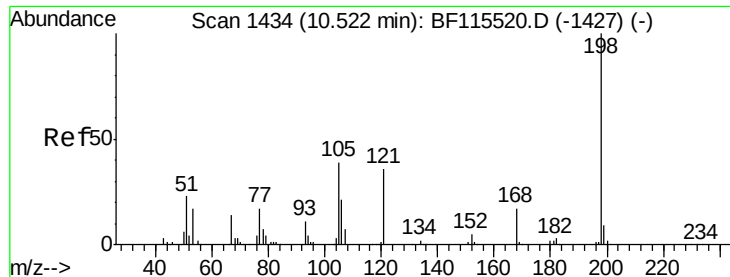
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





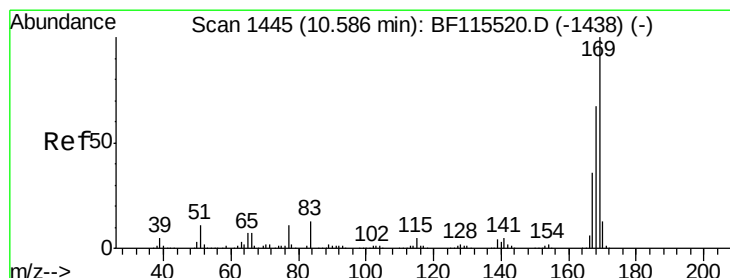
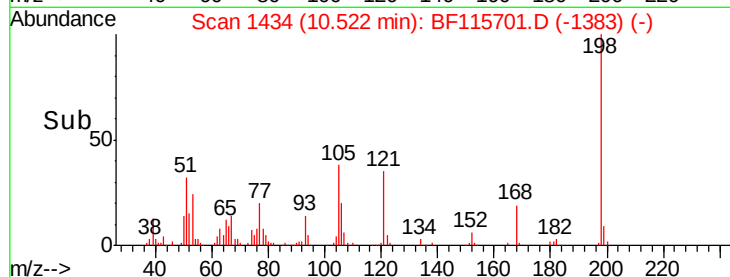
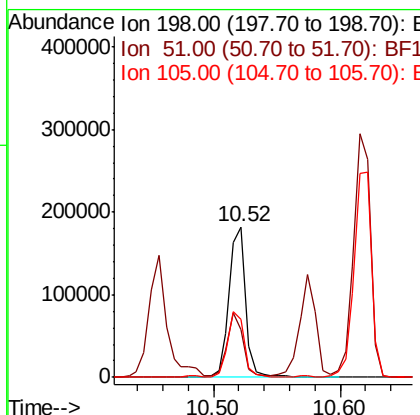
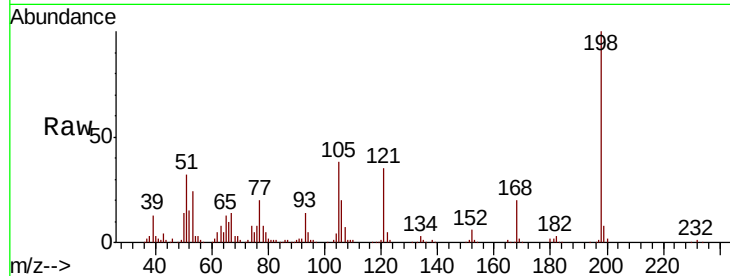
#65
4,6-Dinitro-2-methylphenol
Concen: 37.833 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	165001		
51	31.9	19.1	59.1	
105	38.2	23.6	63.6	

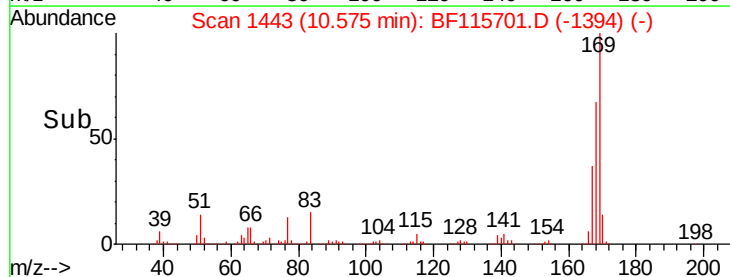
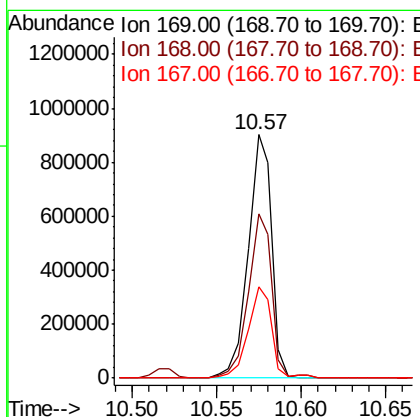
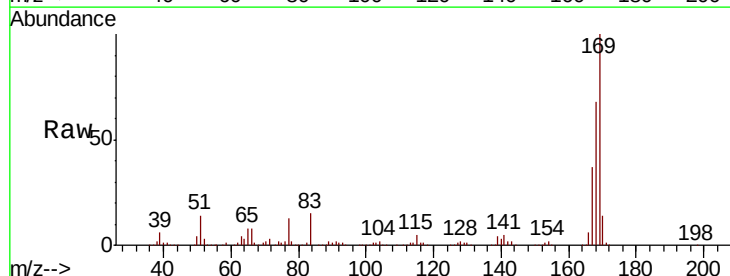
Manual Integrations
APPROVED

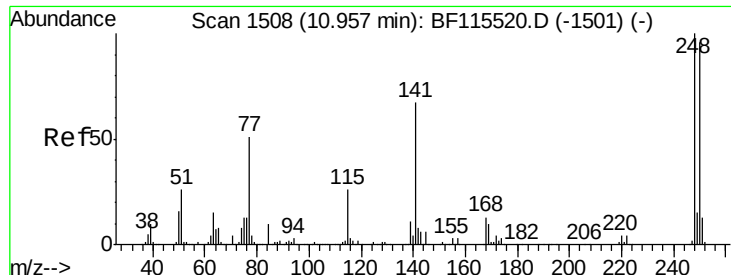
mohammad
7/23/2019 4:24:20 PM



#66
n-Nitrosodiphenylamine
Concen: 39.382 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	874474		
168	67.5	54.3	81.5	
167	37.3	30.2	45.2	





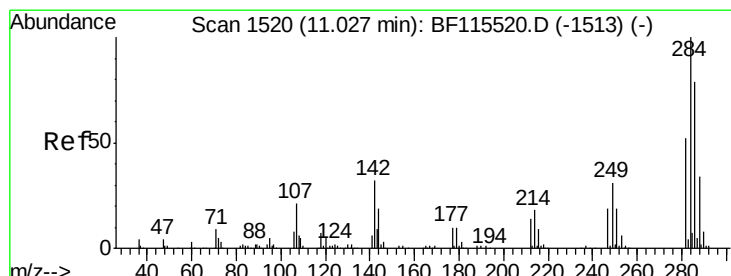
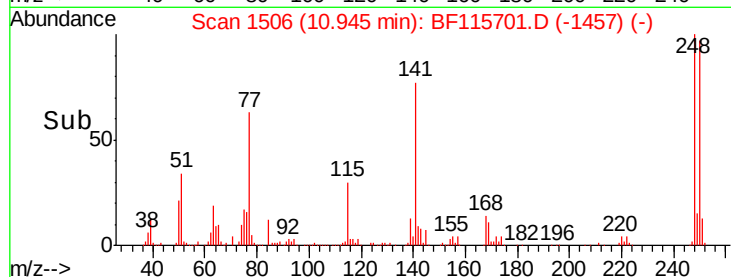
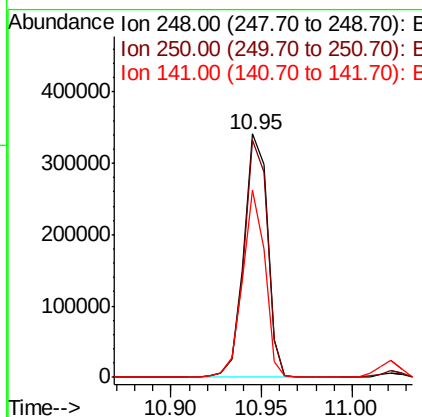
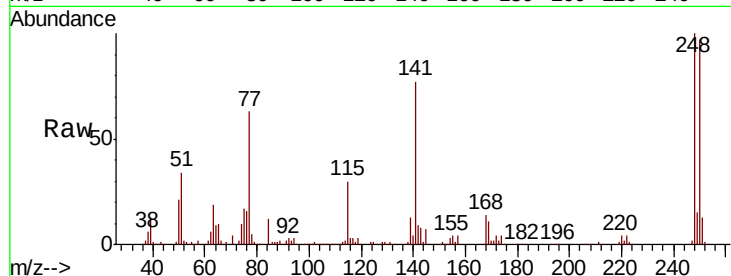
#67
 4-Bromophenyl-phenylether
 Concen: 38.030 ng
 RT: 10.95 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 PB121521BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.0	117.0
141	77.1	57.7	86.5

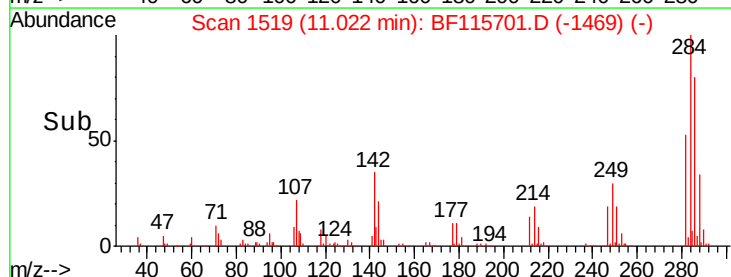
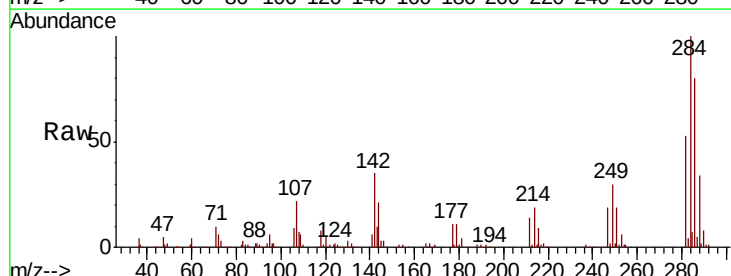
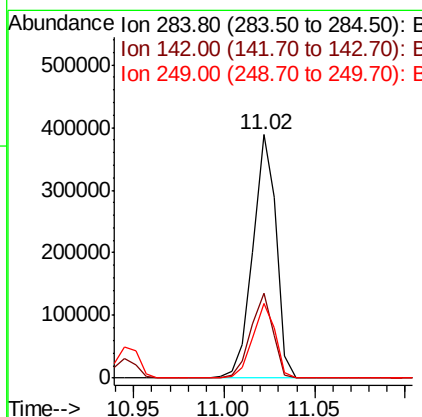
Manual Integrations
 APPROVED

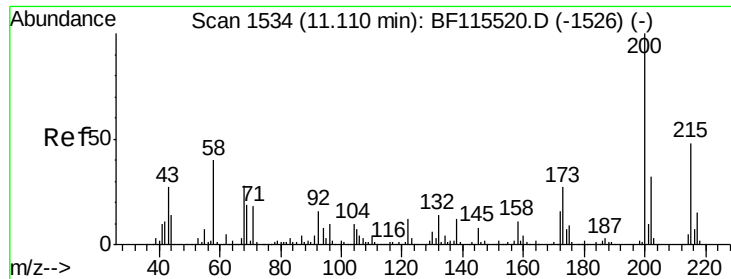
mohammad
 7/23/2019 4:24:20 PM



#68
 Hexachlorobenzene
 Concen: 37.280 ng
 RT: 11.02 min Scan# 1519
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.1	22.2	33.2#
249	30.5	23.4	35.2





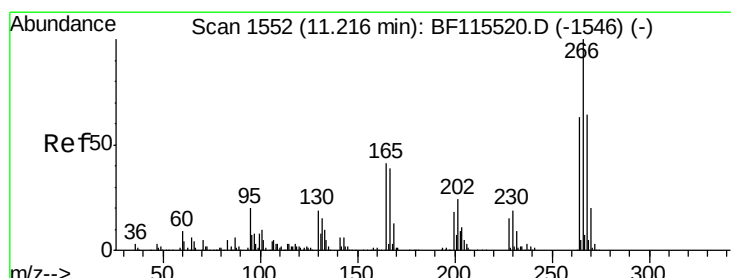
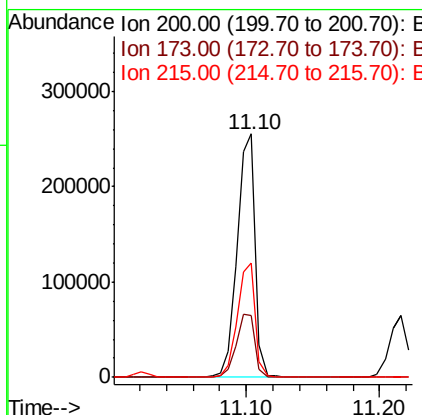
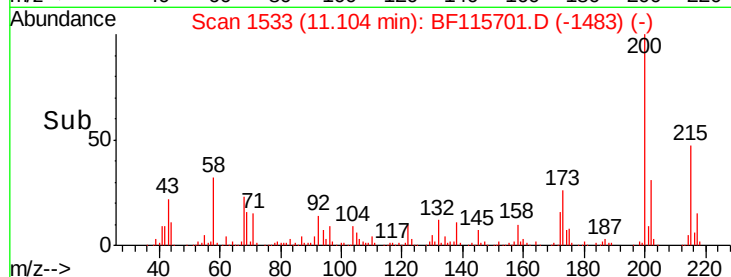
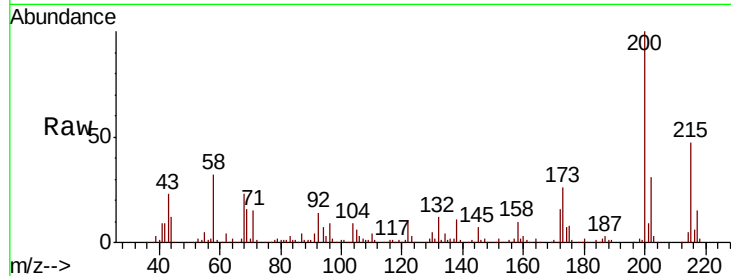
#69
Atrazine
Concen: 33.136 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	241379		
173	25.6	6.9	46.9	
215	47.2	27.9	67.9	

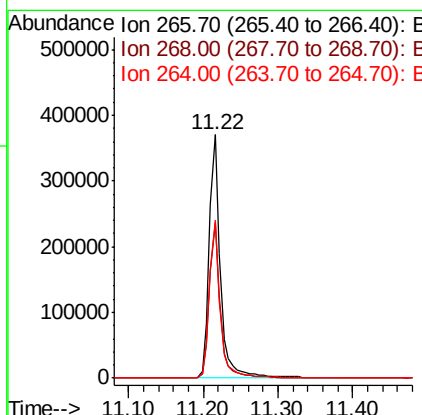
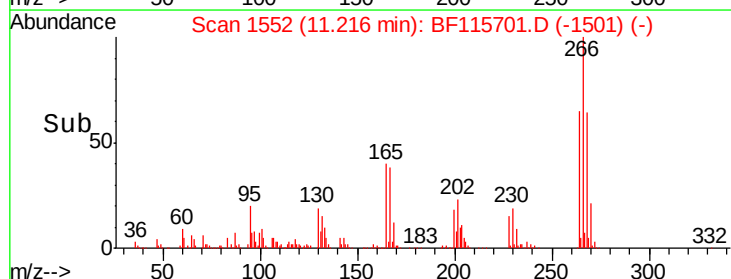
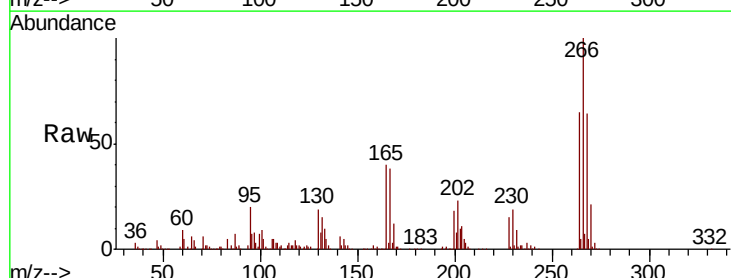
Manual Integrations
APPROVED

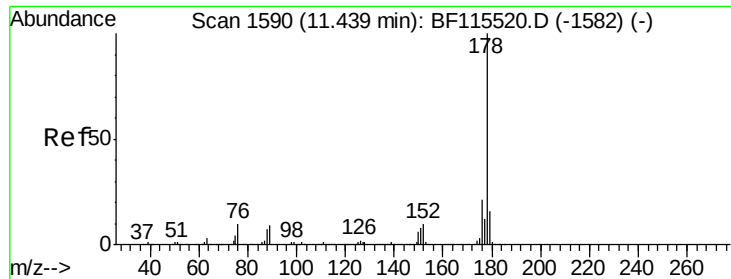
mohammad
7/23/2019 4:24:20 PM



#70
Pentachlorophenol
Concen: 68.480 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	390185		
268	64.0	51.6	77.4	
264	64.7	50.6	76.0	





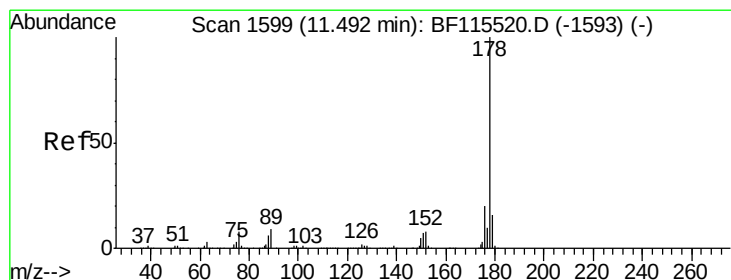
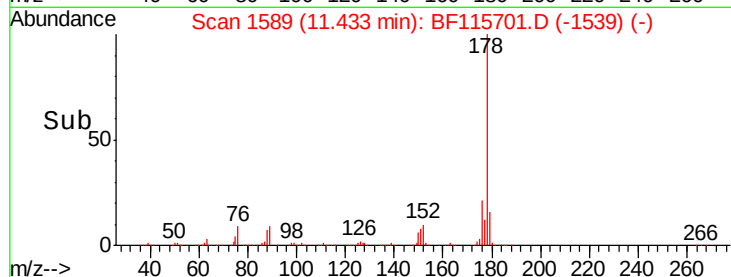
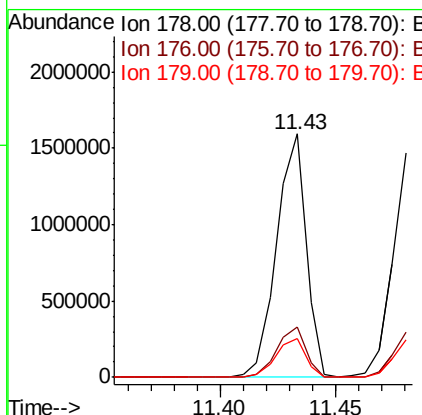
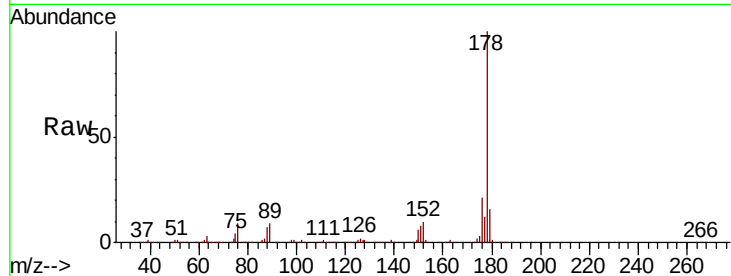
#71
Phenanthrene
Concen: 38.813 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion:178 Resp: 1420204
Ion Ratio Lower Upper
178 100
176 20.8 17.2 25.8
179 15.9 13.5 20.3

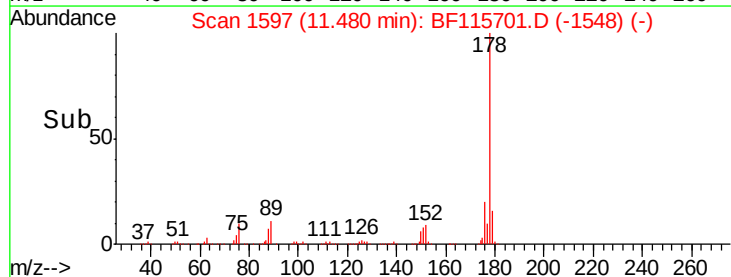
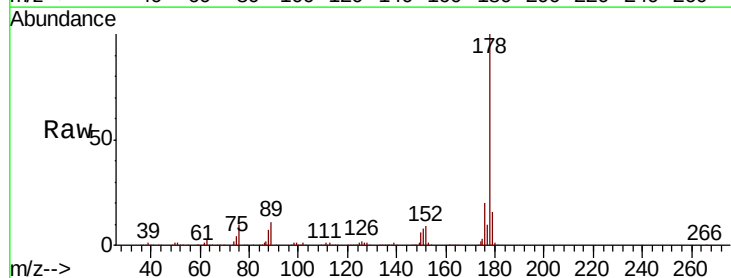
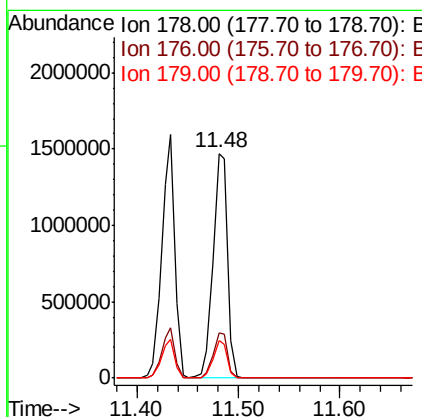
Manual Integrations
APPROVED

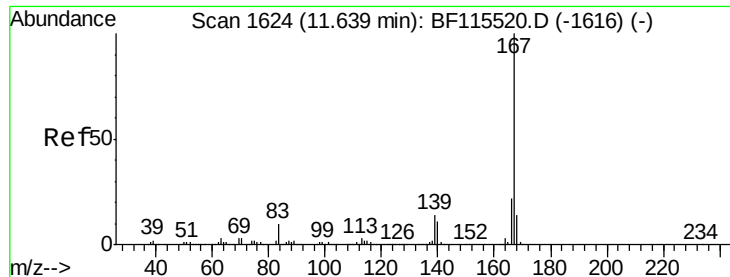
mohammad
7/23/2019 4:24:20 PM



#72
Anthracene
Concen: 38.687 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion:178 Resp: 1462955
Ion Ratio Lower Upper
178 100
176 20.2 15.9 23.9
179 16.5 12.7 19.1





#73

Carbazole

Concen: 40.121 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

ClientSampleId :

PB121521BS

Tot Ion:167 Resp: 1330446

Ion Ratio Lower Upper

167 100

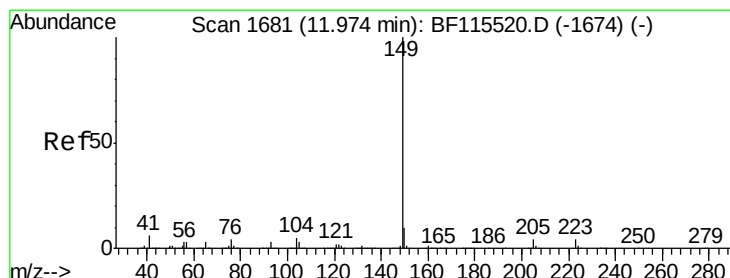
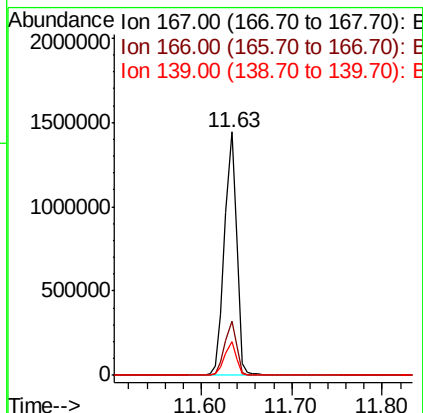
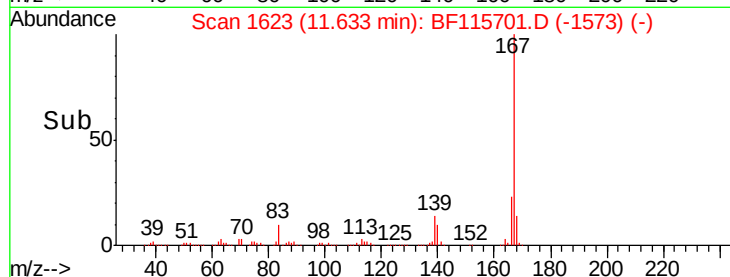
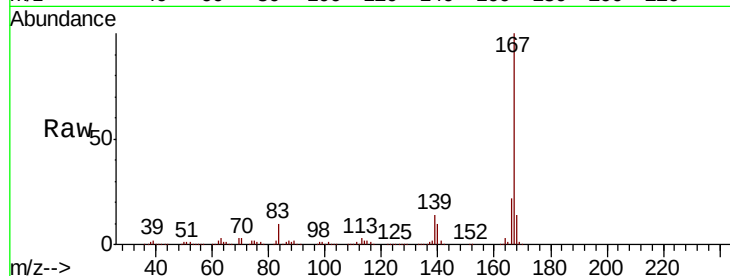
166 22.5 18.1 27.1

139 13.9 11.3 16.9

Manual Integrations
APPROVED

mohammad

7/23/2019 4:24:20 PM



#74

Di-n-butylphthalate

Concen: 40.079 ng

RT: 11.96 min Scan# 1679

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

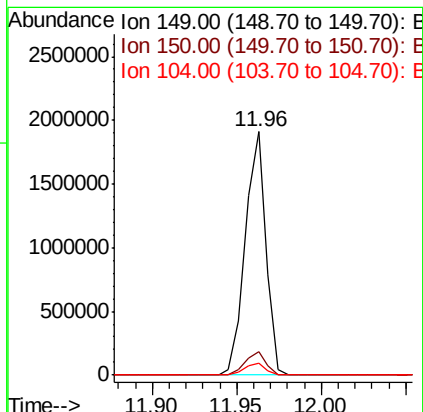
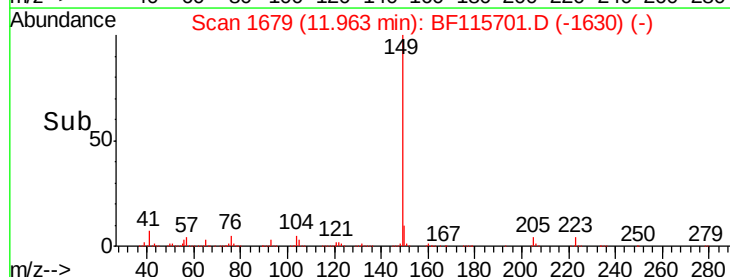
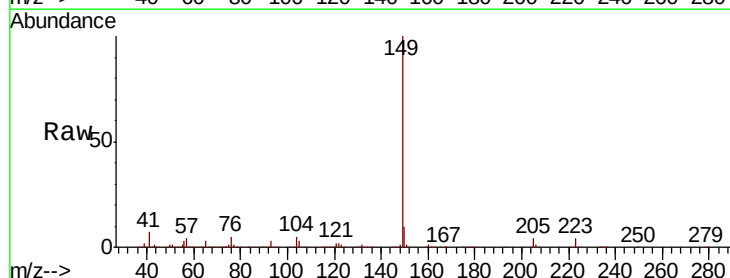
Tgt Ion:149 Resp: 1637100

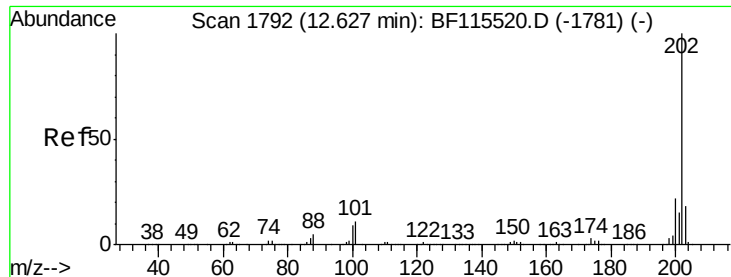
Ion Ratio Lower Upper

149 100

150 9.7 7.7 11.5

104 5.1 3.8 5.8





#75

Fluoranthene

Concen: 39.828 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

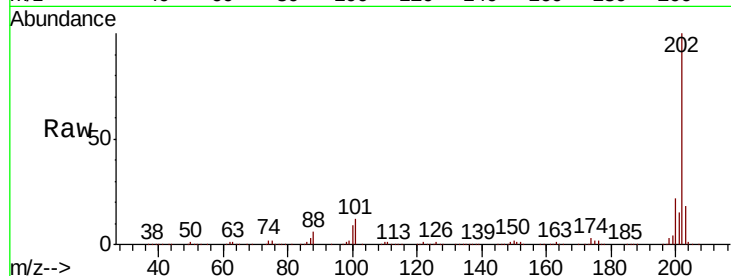
ClientSampleId :

PB121521BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	18.0	0.0	38.1

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

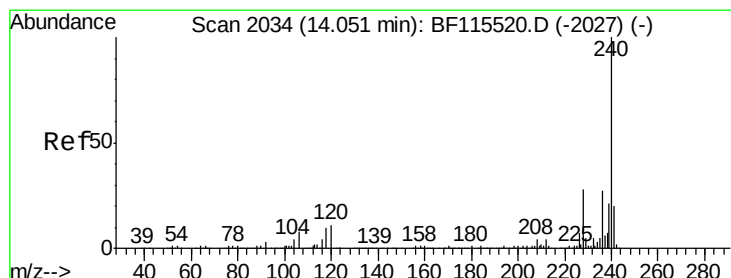
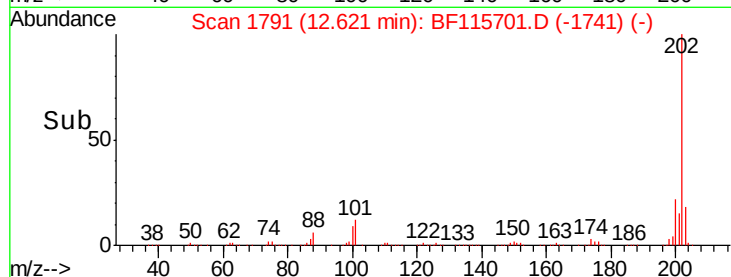
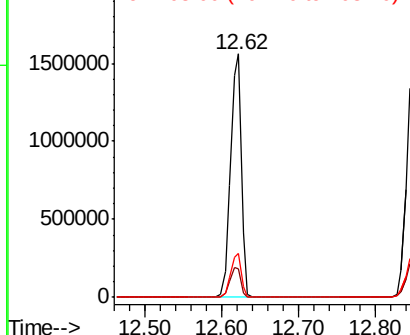


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

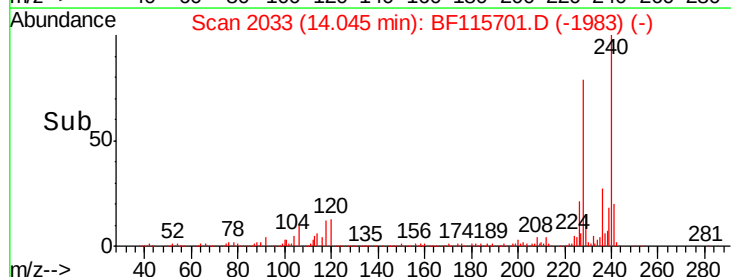
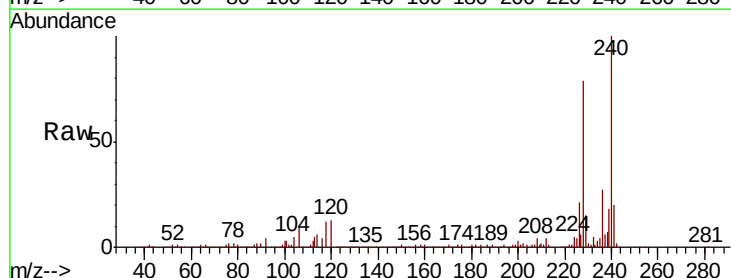
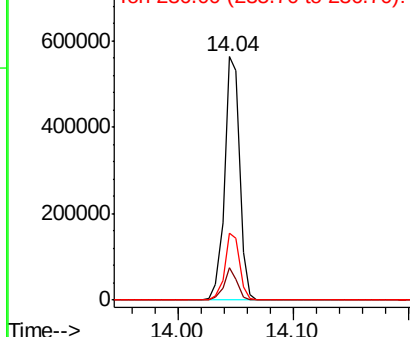
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.6	13.0#
236	27.4	21.3	31.9

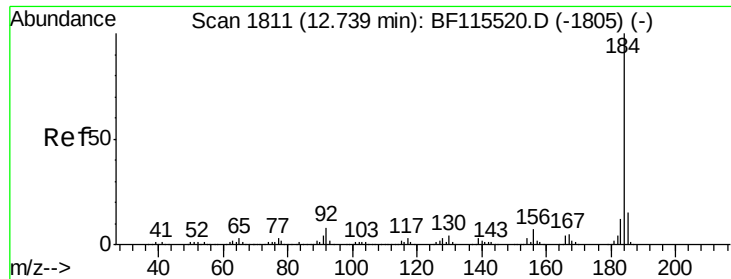
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 17.555 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

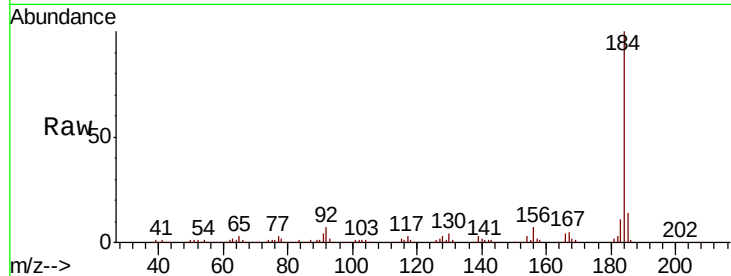
ClientSampleId :

PB121521BS

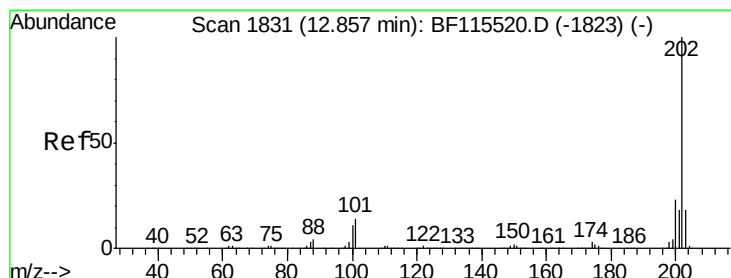
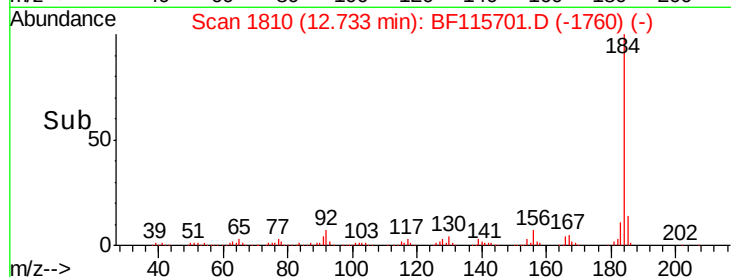
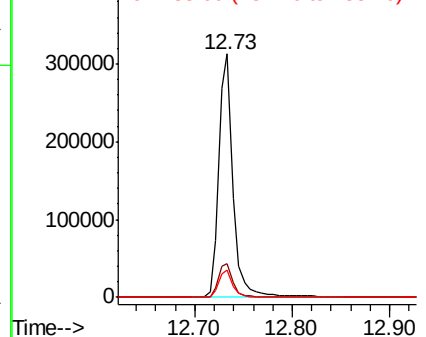
Tot Ion:	184	Resp:	317351
Ion Ratio	Lower	Upper	
184	100		
185	14.1	12.0	18.0
183	11.1	9.3	13.9

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 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: 35.655 ng

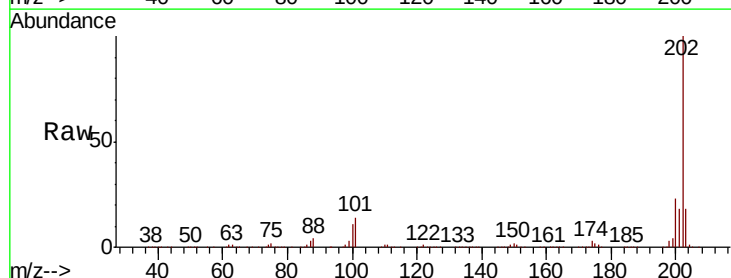
RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

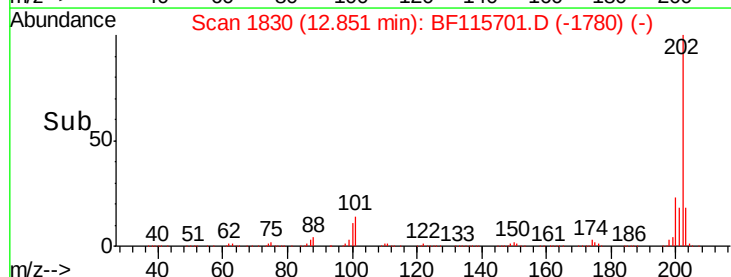
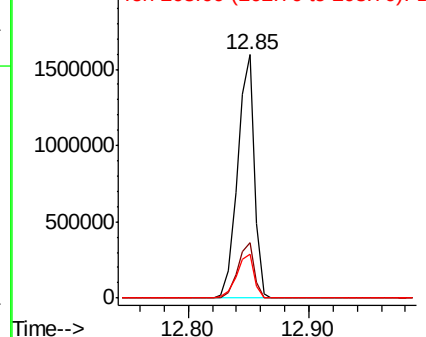
Lab File: BF115701.D

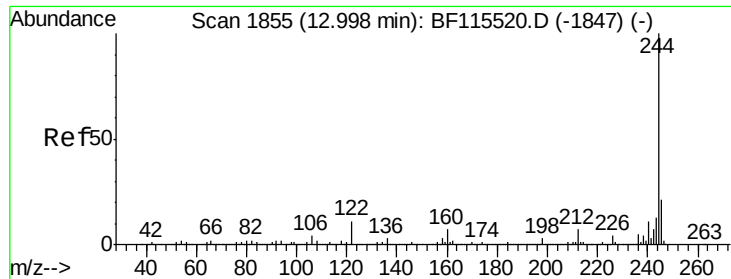
Acq: 22 Jul 2019 11:32

Tgt Ion:	202	Resp:	1541523
Ion Ratio	Lower	Upper	
202	100		
200	22.5	18.7	28.1
203	18.1	15.2	22.8



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





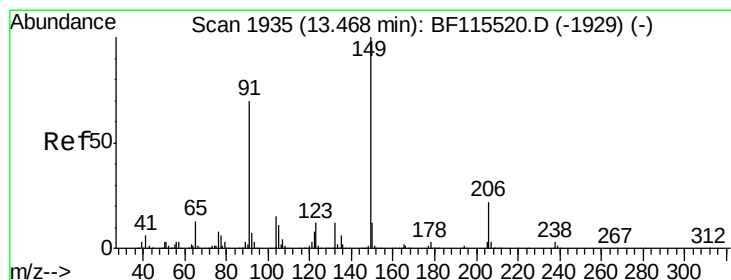
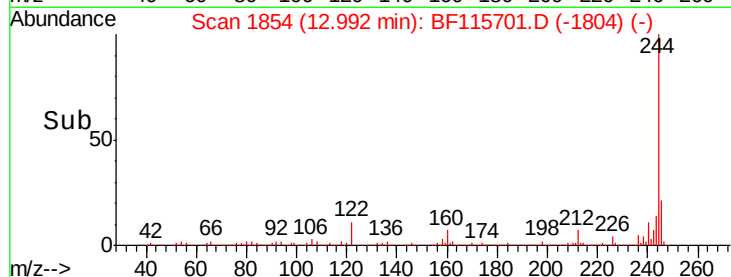
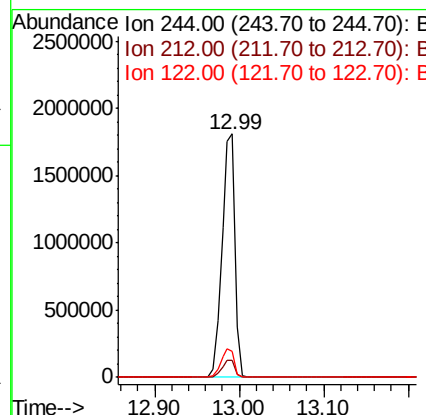
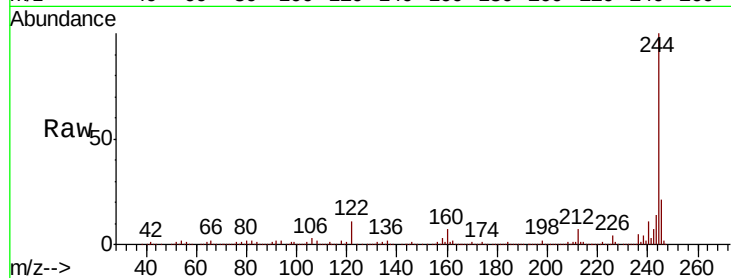
#79
 Terphenyl-d14
 Concen: 71.365 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Instrument :
 BNA_F
 ClientSampleId :
 PB121521BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	10.7	8.6	12.8

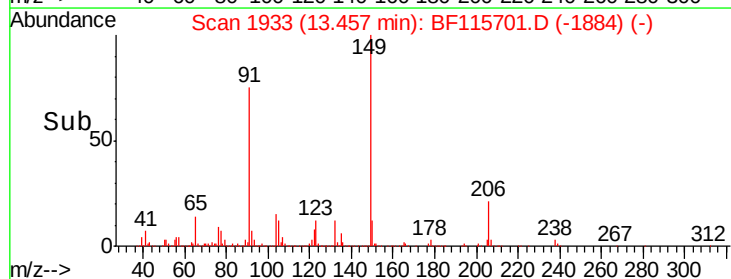
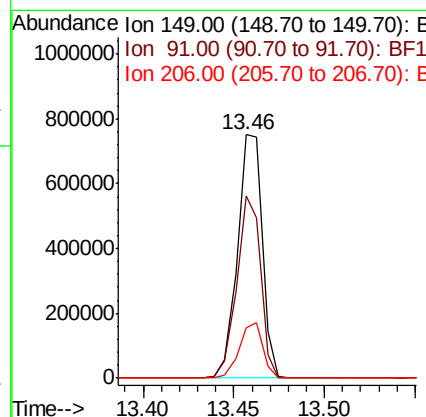
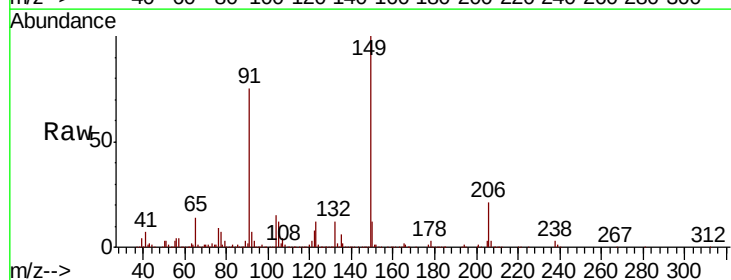
Manual Integrations
 APPROVED

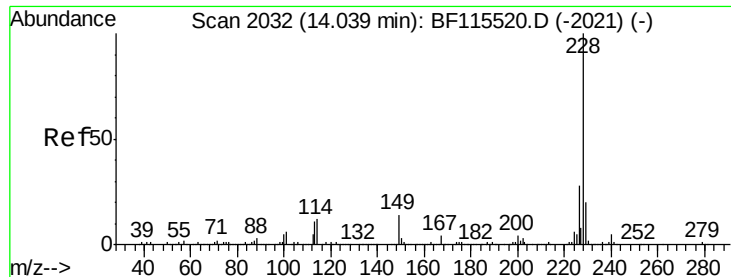
mohammad
 7/23/2019 4:24:20 PM



#80
 Butylbenzylphthalate
 Concen: 38.838 ng
 RT: 13.46 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BF115701.D
 Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.6	55.8	83.8
206	20.6	18.2	27.2





#81

Benzo(a)anthracene

Concen: 38.982 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

ClientSampleId :

PB121521BS

Tot Ion:228 Resp: 1310524

Ion Ratio Lower Upper

228 100

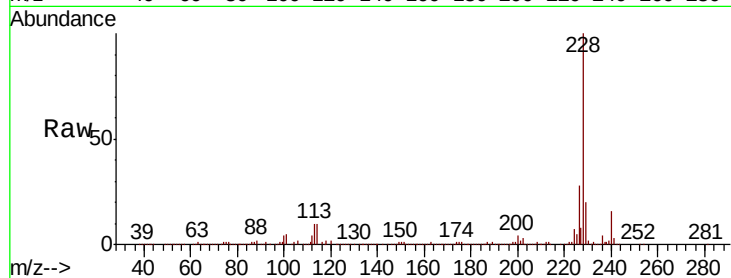
226 28.2 23.4 35.0

229 20.2 17.2 25.8

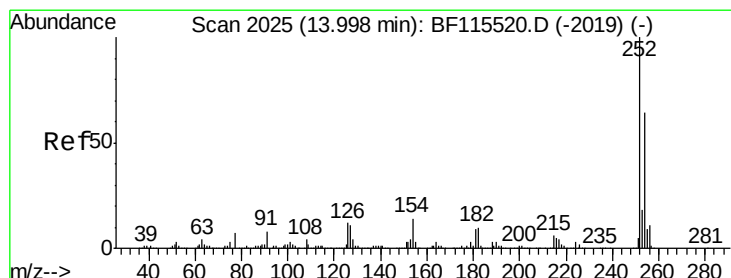
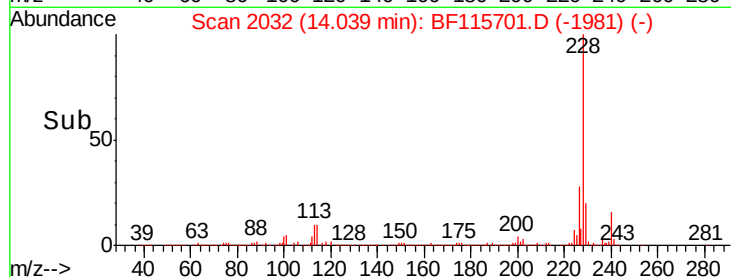
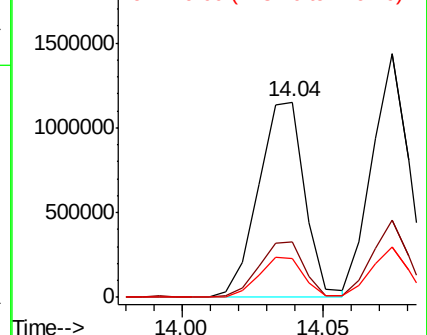
Manual Integrations
APPROVED

mohammad

7/23/2019 4:24:20 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: 34.279 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

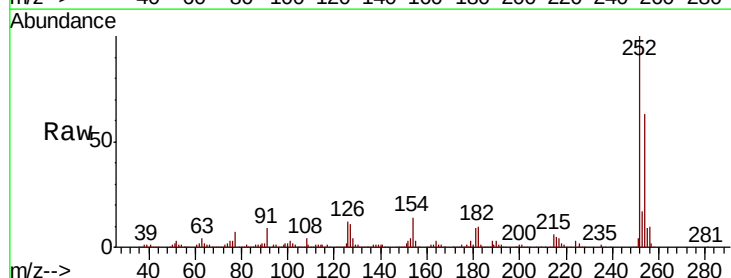
Tgt Ion:252 Resp: 409686

Ion Ratio Lower Upper

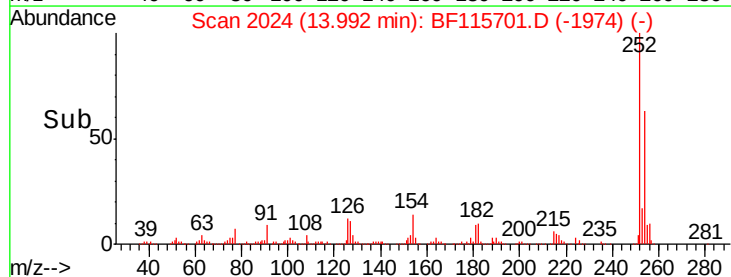
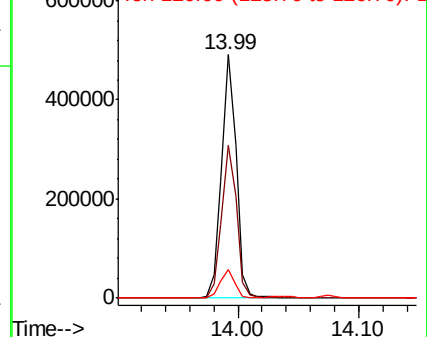
252 100

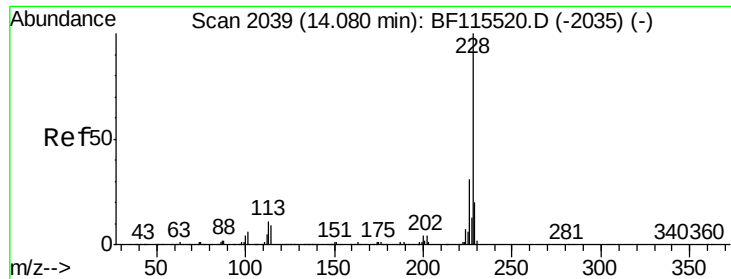
254 62.7 52.9 79.3

126 11.9 9.9 14.9



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: 37.667 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

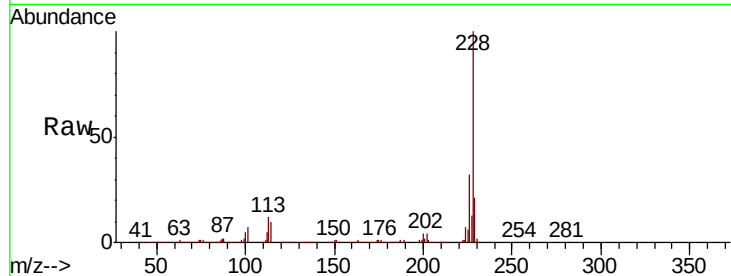
ClientSampleId :

PB121521BS

Tot Ion:	228	Resp:	1271212
Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.7	38.5
229	20.9	16.6	25.0

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

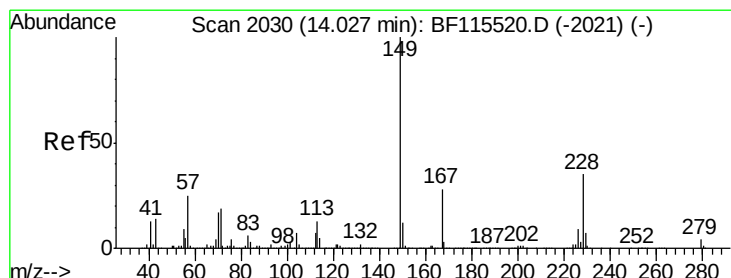
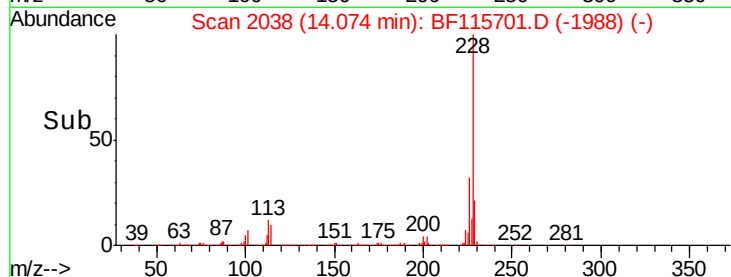
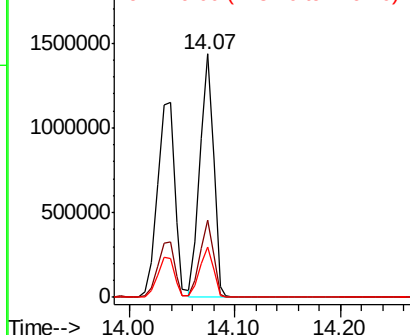


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.370 ng

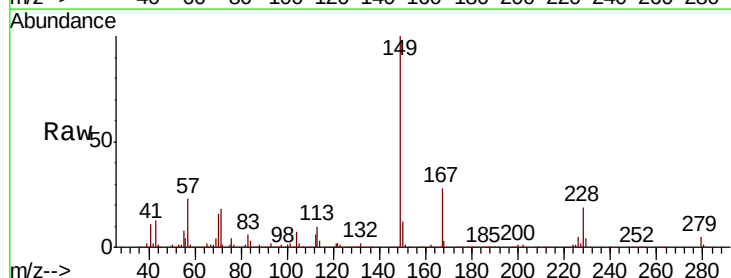
RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tgt Ion:	149	Resp:	990123
Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.0	34.4
279	4.7	4.2	6.2

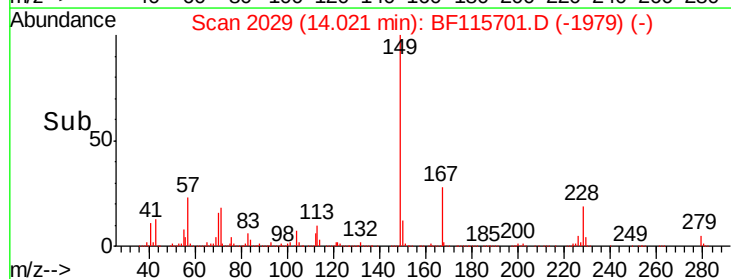
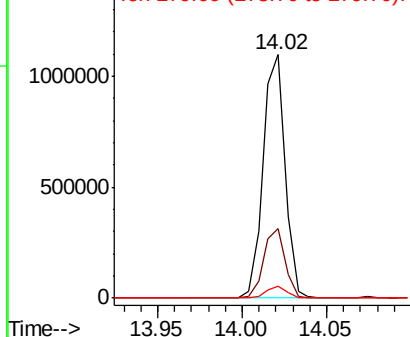


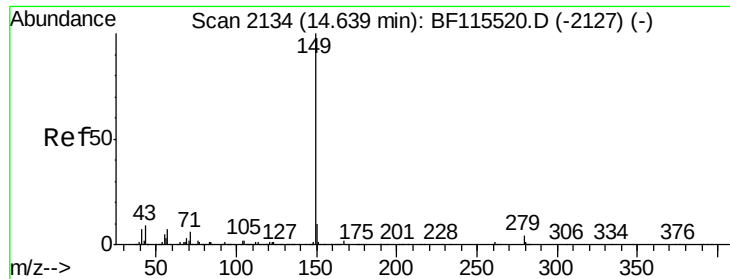
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 44.437 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

ClientSampleId :

PB121521BS

Tot Ion:149 Resp: 1614157

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

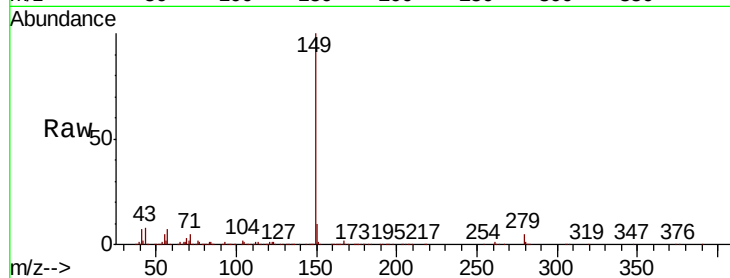
43 8.8 7.2 10.8

Manual Integrations

APPROVED

mohammad

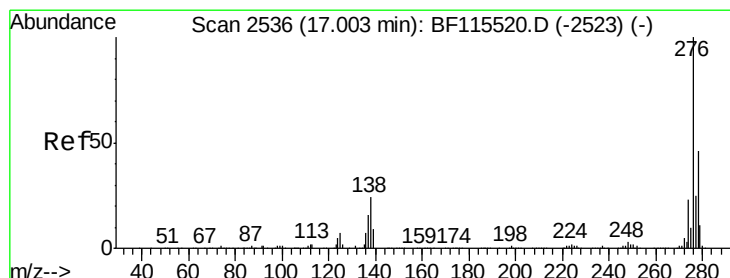
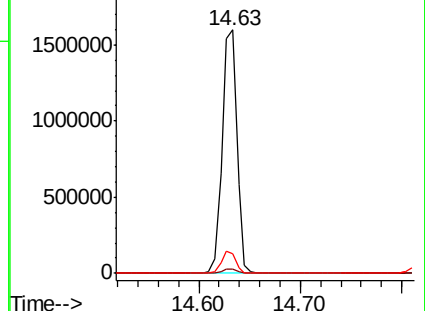
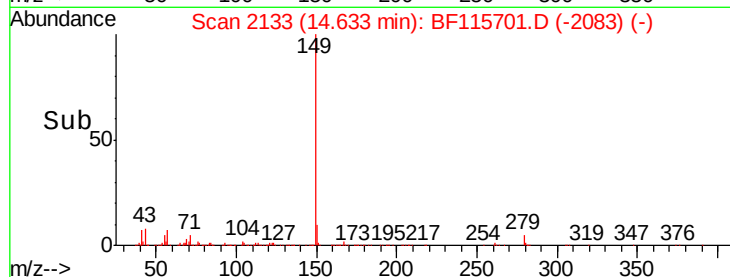
7/23/2019 4:24:20 PM



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: 39.018 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

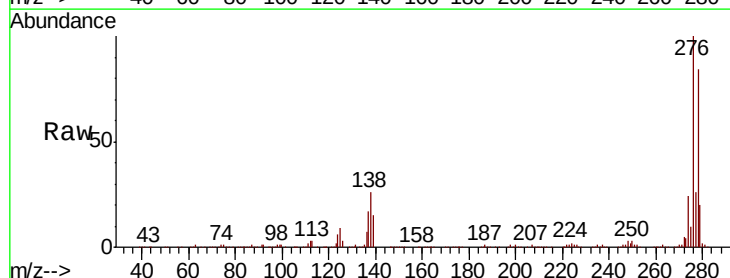
Tgt Ion:276 Resp: 1118754

Ion Ratio Lower Upper

276 100

138 25.5 20.2 30.2

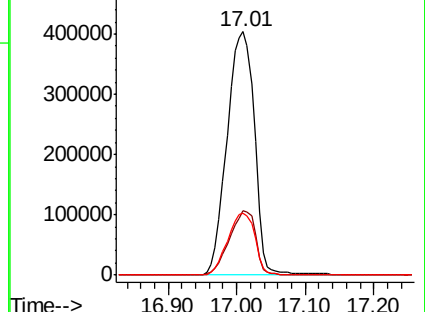
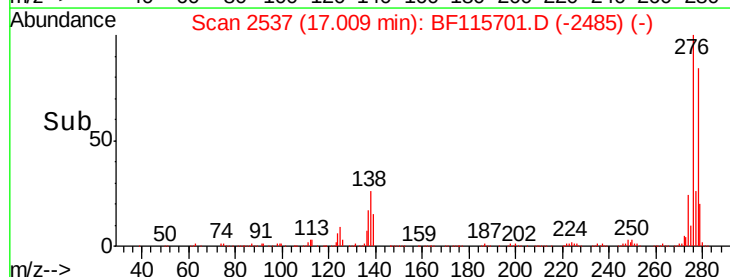
277 25.5 20.4 30.6

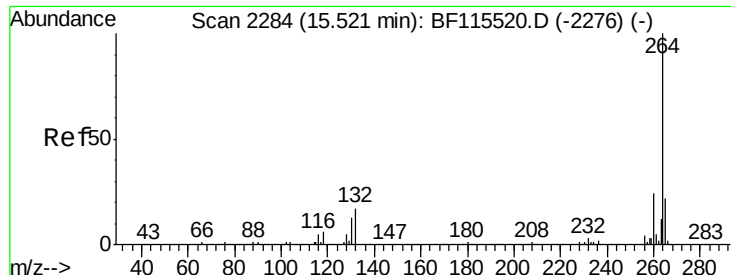


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Instrument :

BNA_F

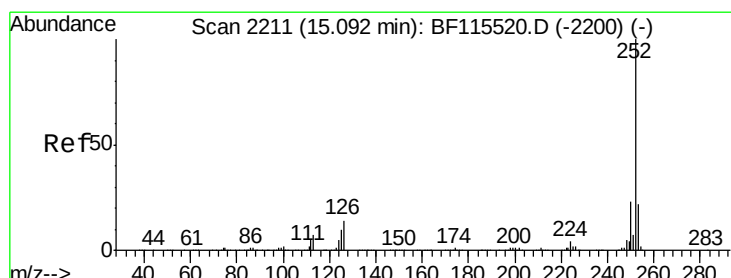
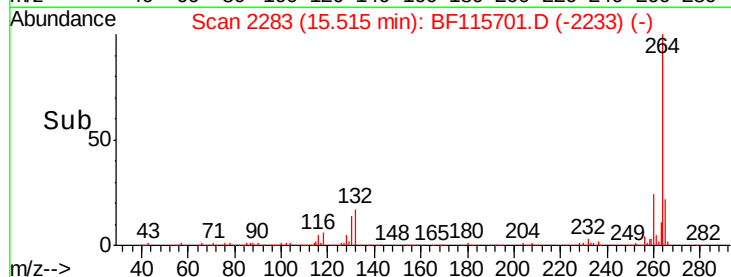
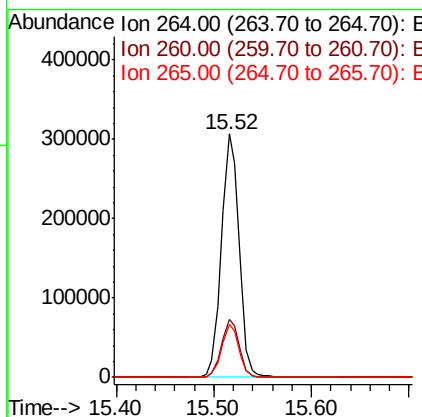
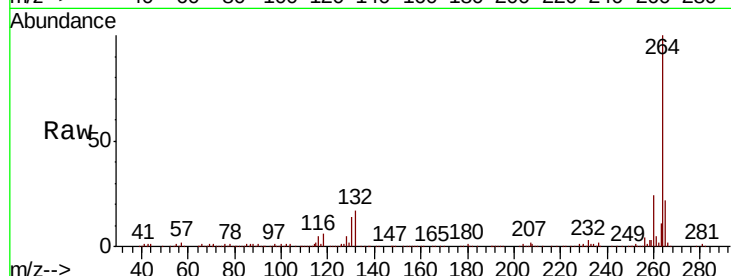
ClientSampleId :

PB121521BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.8
265	21.7	17.7	26.5

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM



#88

Benzo(b)fluoranthene

Concen: 49.239 ng

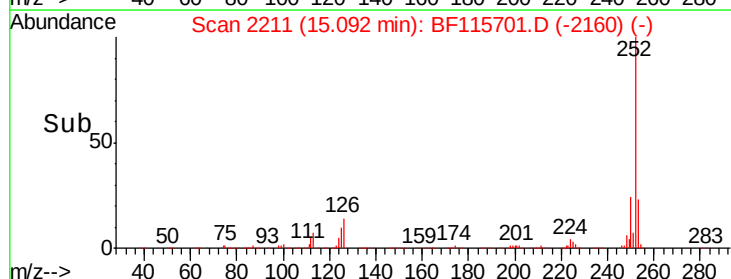
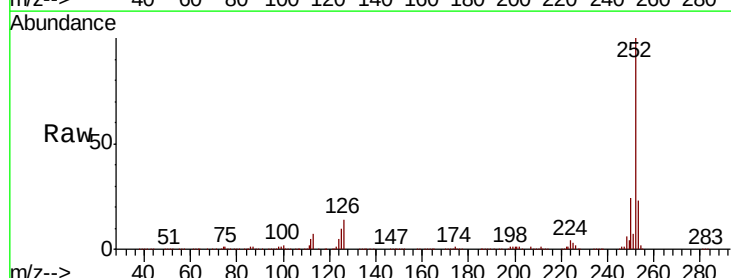
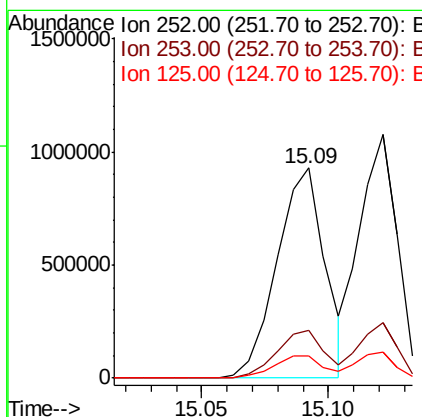
RT: 15.09 min Scan# 2211

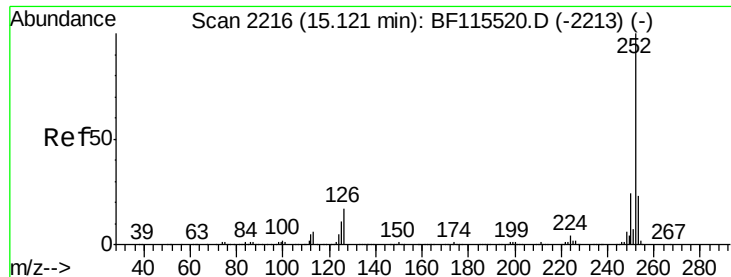
Delta R.T. 0.00 min

Lab File: BF115701.D

Acq: 22 Jul 2019 11:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.3	9.0	13.4





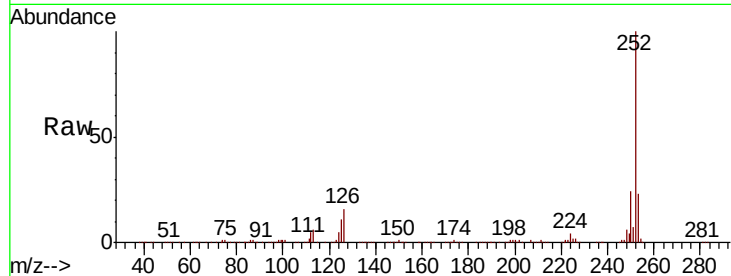
#89
Benzo(k)fluoranthene
Concen: 50.897 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	28.0
125	10.8	9.0	13.6

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

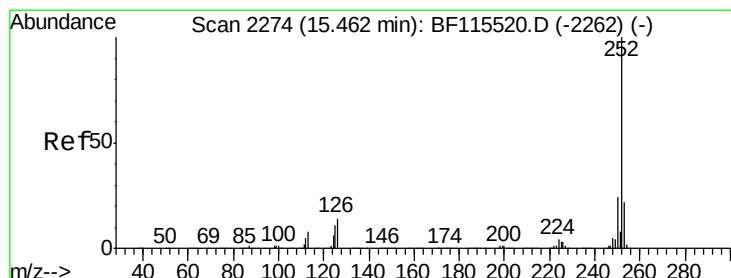
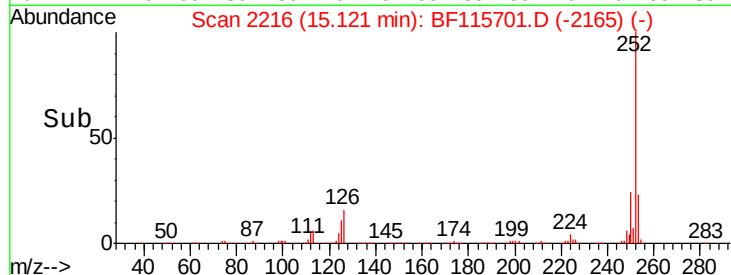
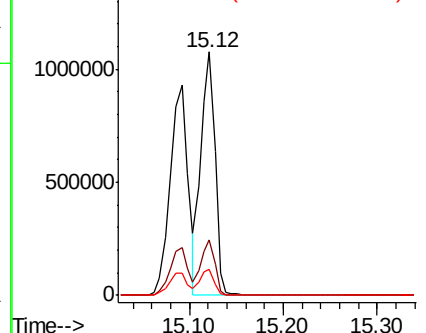


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 50.645 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

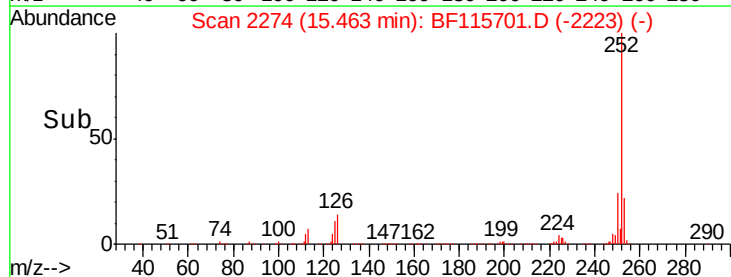
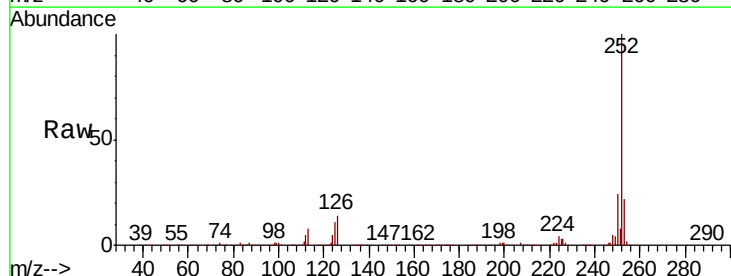
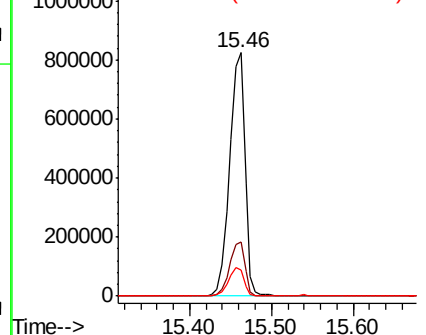
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.7	9.1	13.7

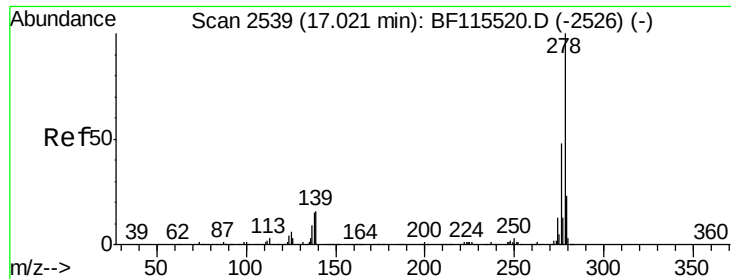
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





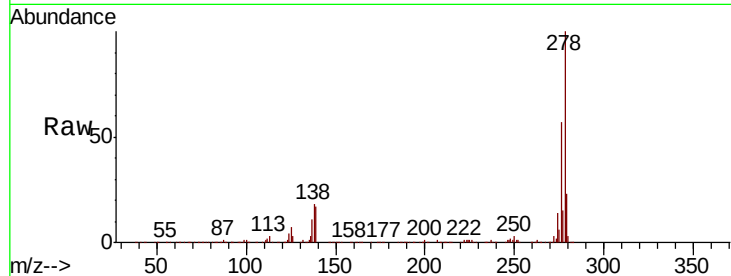
#91
Dibenzo(a,h)anthracene
Concen: 50.976 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Instrument :
BNA_F
ClientSampleId :
PB121521BS

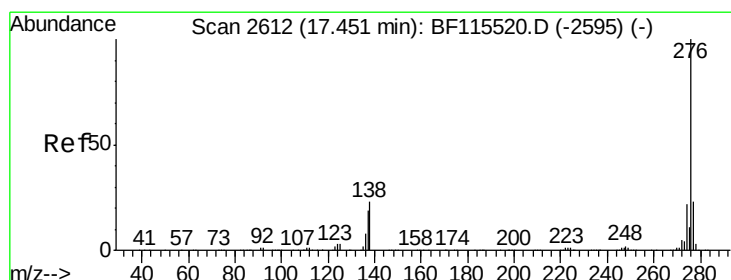
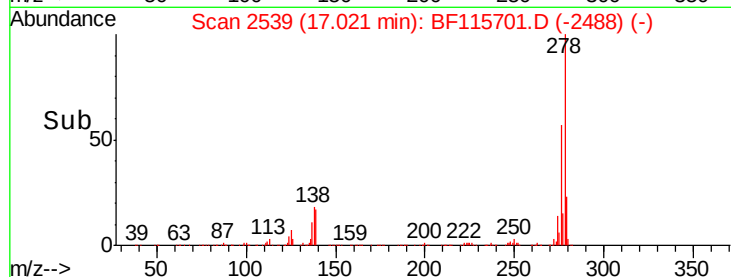
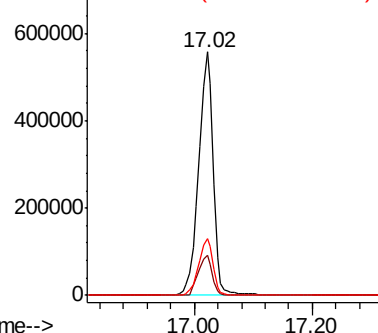
Tot Ion:	278	Resp:	954876
Ion Ratio	Lower	Upper	
278	100		
139	16.6	13.1	19.7
279	23.4	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/23/2019 4:24:20 PM

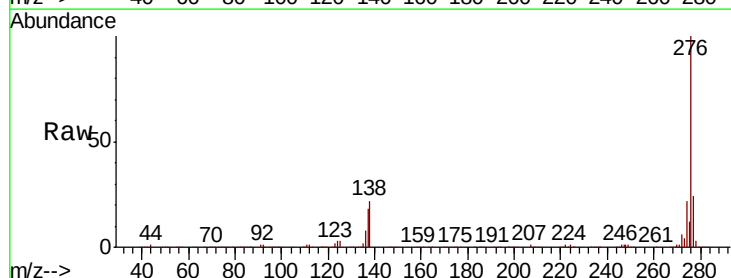


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 48.845 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.01 min
Lab File: BF115701.D
Acq: 22 Jul 2019 11:32

Tgt Ion:	276	Resp:	912502
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.4
138	21.5	17.2	25.8



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

