

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115949.D
 Acq On : 2 Aug 2019 16:29
 Operator : HP/JU
 Sample : PB121932BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:44:17 PM

Quant Time: Aug 03 00:04:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	142999	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	593195	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	316799	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	540709	20.00	ng	0.00
76) Chrysene-d12	14.03	240	388743	20.00	ng	0.00
87) Perylene-d12	15.49	264	332465	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	997613	116.79	ng	0.02
7) Phenol-d6	6.49	99	1258146	116.74	ng	0.00
23) Nitrobenzene-d5	7.42	82	833453	81.10	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	350128	113.99	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1419347	83.92	ng	0.00
79) Terphenyl-d14	12.97	244	1530596	82.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	175875	40.756	ng	100
3) Pyridine	3.46	79	450875	37.403	ng	98
4) n-Nitrosodimethylamine	3.41	42	204672	43.024	ng	98
6) Aniline	6.52	93	505313	32.739	ng	95
8) 2-Chlorophenol	6.65	128	432710	45.810	ng	98
9) Benzaldehyde	6.40	77	240602	32.356	ng	99
10) Phenol	6.50	94	551198	43.431	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	417925	44.790	ng	100
12) 1,3-Dichlorobenzene	6.79	146	468399	42.908	ng	97
13) 1,4-Dichlorobenzene	6.87	146	472301	43.210	ng	99
14) 1,2-Dichlorobenzene	7.02	146	435094	43.231	ng	98
15) Benzyl Alcohol	7.00	79	372326	45.523	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	553342	43.477	ng	95
17) 2-Methylphenol	7.11	107	368629	46.089	ng	99
18) Hexachloroethane	7.36	117	175305	43.562	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	296657	44.420	ng	100
20) 3+4-Methylphenols	7.26	107	434717	45.930	ng	89
22) Acetophenone	7.26	105	588145	45.209	ng	97
24) Nitrobenzene	7.43	77	489598	44.123	ng	99
25) Isophorone	7.67	82	870249	44.287	ng	100
26) 2-Nitrophenol	7.75	139	240098	45.903	ng	100
27) 2,4-Dimethylphenol	7.79	122	388761	49.402	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	527274	43.292	ng	99
29) 2,4-Dichlorophenol	8.00	162	379265	45.645	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	405037	42.764	ng	99
31) Naphthalene	8.16	128	1245775	44.628	ng	99
32) Benzoic acid	7.94	122	258946	46.673	ng	100
33) 4-Chloroaniline	8.20	127	315018	25.257	ng	100
34) Hexachlorobutadiene	8.27	225	229149	42.003	ng	100
35) Caprolactam	8.59	113	112783m	41.968	ng	
36) 4-Chloro-3-methylphenol	8.70	107	394720	45.664	ng	99
37) 2-Methylnaphthalene	8.85	142	843824	45.900	ng	99
38) 1-Methylnaphthalene	8.95	142	780980	44.904	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	380552	44.933	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115949.D
 Acq On : 2 Aug 2019 16:29
 Operator : HP/JU
 Sample : PB121932BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:44:17 PM

Quant Time: Aug 03 00:04:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	247392	66.172	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	250638	42.994	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	268606	44.574	ng	99
46) 1,1'-Biphenyl	9.32	154	1003874	44.884	ng	99
47) 2-Chloronaphthalene	9.35	162	796902	42.810	ng	99
48) 2-Nitroaniline	9.44	65	254465	41.356	ng	91
49) Acenaphthylene	9.76	152	1216266	44.785	ng	99
50) Dimethylphthalate	9.62	163	929733	43.102	ng	99
51) 2,6-Dinitrotoluene	9.68	165	207721	44.313	ng	87
52) Acenaphthene	9.93	154	720363	43.237	ng	100
53) 3-Nitroaniline	9.85	138	171457	29.602	ng	90
54) 2,4-Dinitrophenol	9.97	184	183591	77.296	ng	92
55) Dibenzofuran	10.10	168	1074942	44.366	ng	97
56) 4-Nitrophenol	10.03	139	328396	88.505	ng	99
57) 2,4-Dinitrotoluene	10.09	165	271569	43.512	ng	99
58) Fluorene	10.45	166	829328	44.489	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.23	232	223845	44.153	ng	98
60) Diethylphthalate	10.32	149	874312	43.414	ng	100
61) 4-Chlorophenyl-phenylether	10.43	204	411012	43.535	ng	99
62) 4-Nitroaniline	10.47	138	232662	38.869	ng	97
63) Azobenzene	10.60	77	918896	44.361	ng	97
65) 4,6-Dinitro-2-methylphenol	10.50	198	131951	46.050	ng	96
66) n-Nitrosodiphenylamine	10.56	169	736758	45.270	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	255631	44.164	ng	92
68) Hexachlorobenzene	11.00	284	286285	42.772	ng	98
69) Atrazine	11.08	200	234159	43.735	ng	97
70) Pentachlorophenol	11.20	266	280610	86.354	ng	98
71) Phenanthrene	11.41	178	1213304	43.893	ng	99
72) Anthracene	11.46	178	1248990	44.646	ng	99
73) Carbazole	11.62	167	1127833	44.437	ng	99
74) Di-n-butylphthalate	11.94	149	1339844	45.254	ng	100
75) Fluoranthene	12.60	202	1261026	43.576	ng	99
77) Benzidine	12.72	184	486925	37.075	ng	97
78) Pyrene	12.83	202	1282544	43.767	ng	100
80) Butylbenzylphthalate	13.44	149	561968	45.336	ng	97
81) Benzo(a)anthracene	14.02	228	1086103	43.712	ng	100
82) 3,3'-Dichlorobenzidine	13.97	252	335695	38.888	ng	98
83) Chrysene	14.06	228	1063474	44.086	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	761326	47.263	ng	99
85) Di-n-octyl phthalate	14.61	149	1233912	48.227	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.99	276	841171	41.518	ng	98
88) Benzo(b)fluoranthene	15.07	252	965991	50.250	ng	97
89) Benzo(k)fluoranthene	15.10	252	940821	50.247	ng	100
90) Benzo(a)pyrene	15.44	252	886293	51.576	ng	100
91) Dibenzo(a,h)anthracene	16.99	278	714808	48.055	ng	99
92) Benzo(g,h,i)perylene	17.42	276	684548	46.859	ng	99

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

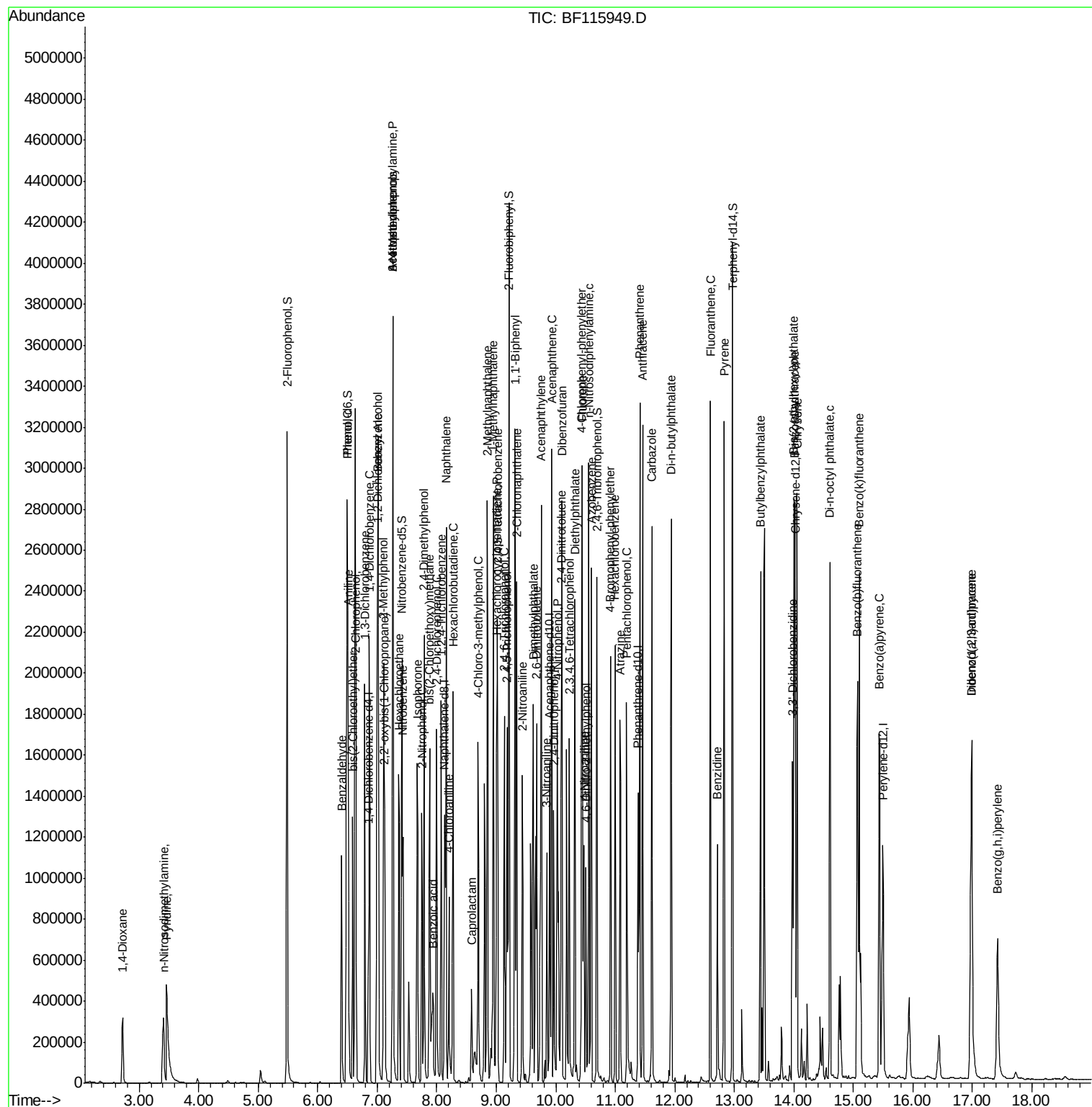
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115949.D
Acq On : 2 Aug 2019 16:29
Operator : HP/JU
Sample : PB121932BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

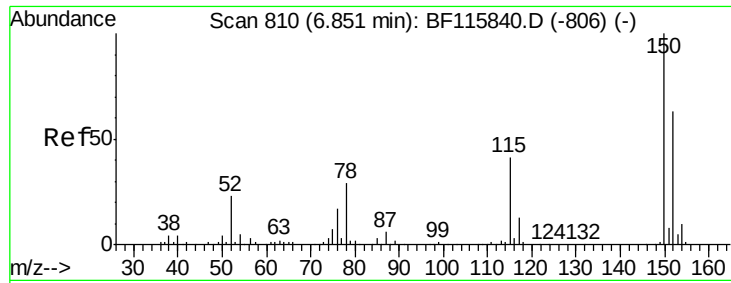
Instrument :
BNA_F
ClientSampleId :
PB121932BS

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

Quant Time: Aug 03 00:04:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration





#1

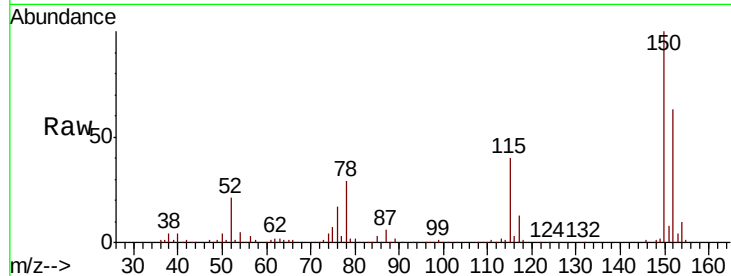
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.4	191.0
115	62.8	51.8	77.8

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

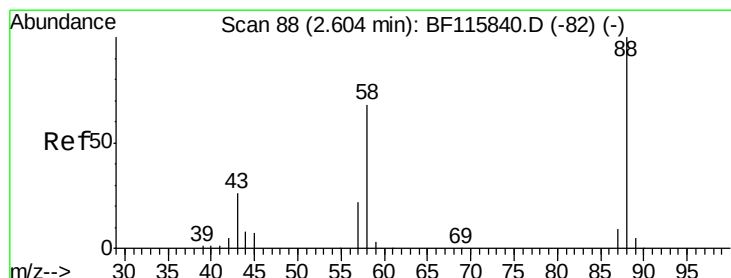
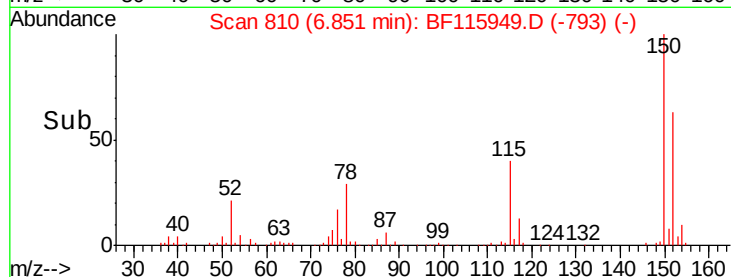
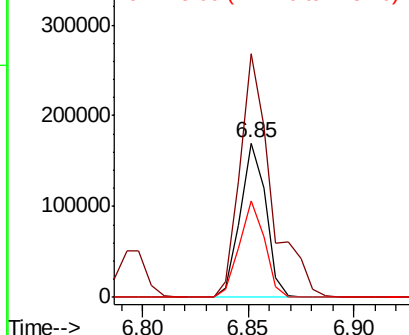


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

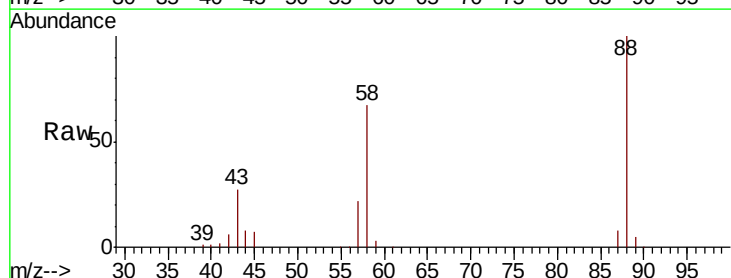
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 40.756 ng
RT: 2.72 min Scan# 108
Delta R.T. 0.12 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.1	81.1
43	26.3	20.7	31.1

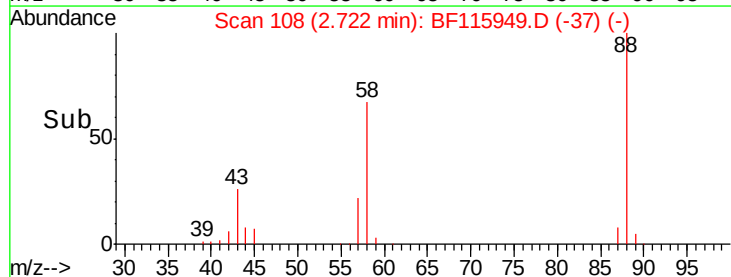
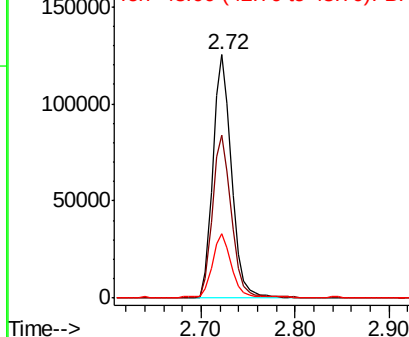


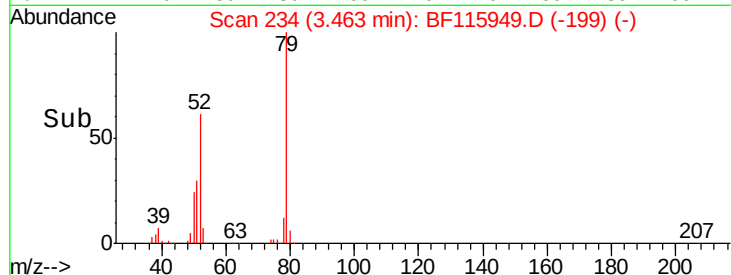
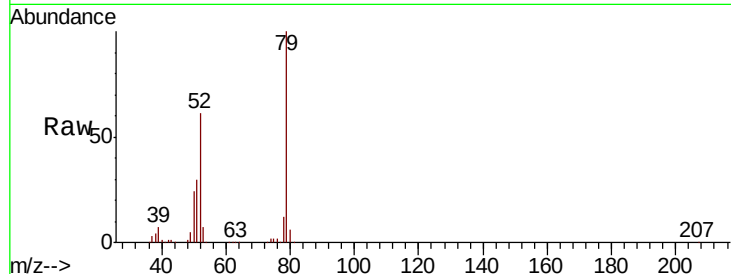
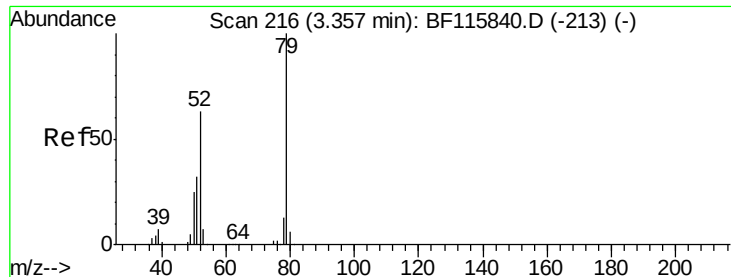
Abundance

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





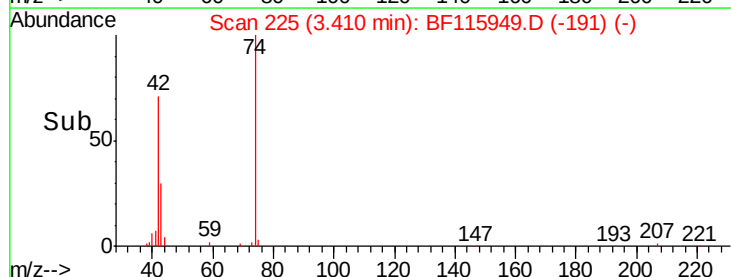
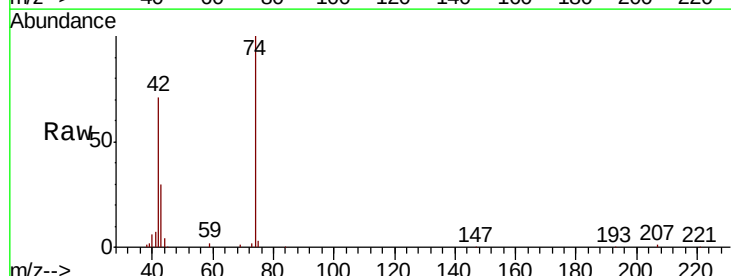
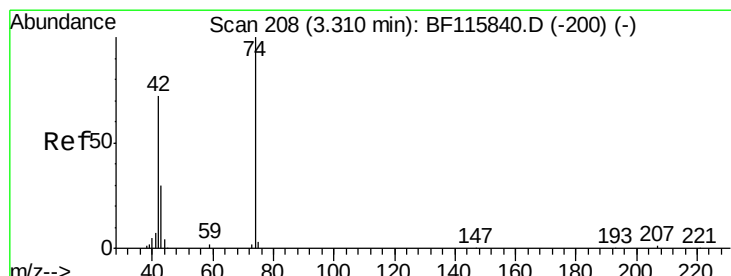
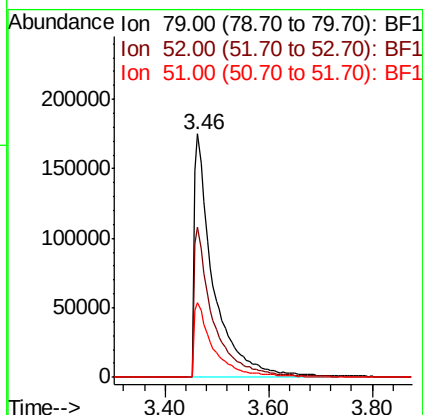
#3
 Pvridine
 Concen: 37.403 ng
 RT: 3.46 min Scan# 234
 Delta R.T. 0.11 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tot Ion:	79	Resp:	450875
Ion Ratio	Lower	Upper	
79	100		
52	61.5	50.2	75.4
51	30.5	25.8	38.6

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

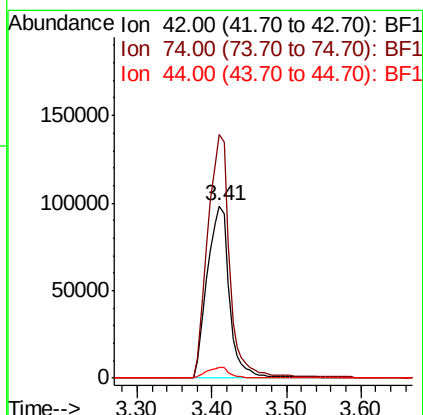
Manual Integrations
 APPROVED

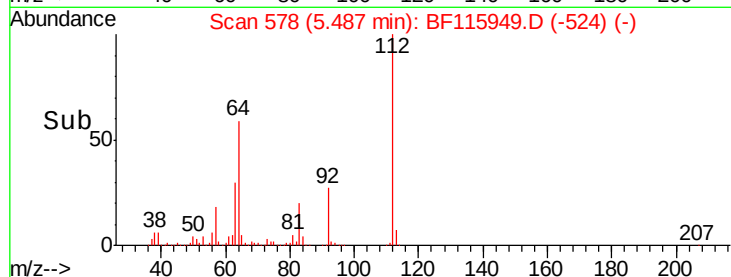
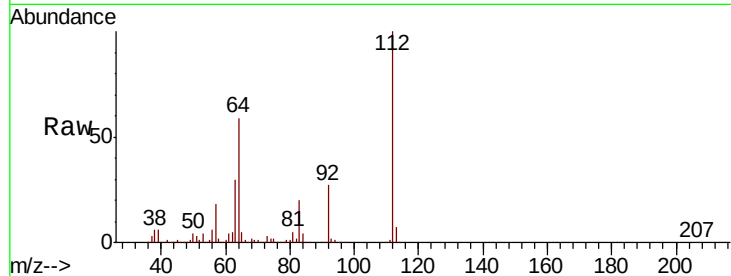
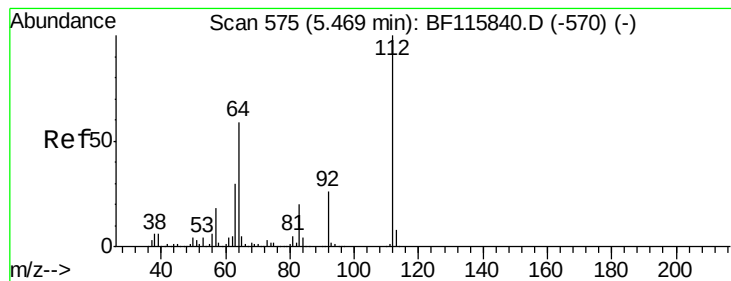
mohammad
 8/8/2019 4:44:17 PM



#4
 n-Nitrosodimethylamine
 Concen: 43.024 ng
 RT: 3.41 min Scan# 225
 Delta R.T. 0.10 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion:	42	Resp:	204672
Ion Ratio	Lower	Upper	
42	100		
74	141.4	111.0	166.4
44	6.2	4.7	7.1





#5

2-Fluorophenol

Concen: 116.789 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		997613		
64	58.8	46.8	70.2		
63	30.2	24.2	36.2		

Instrument :

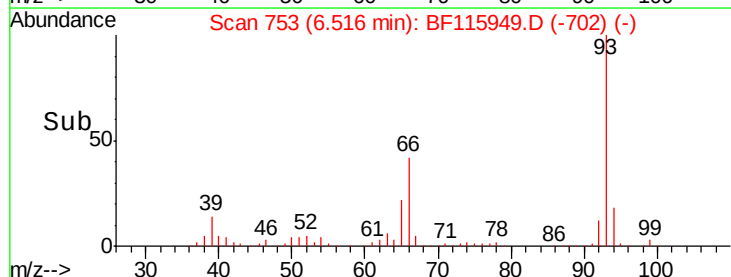
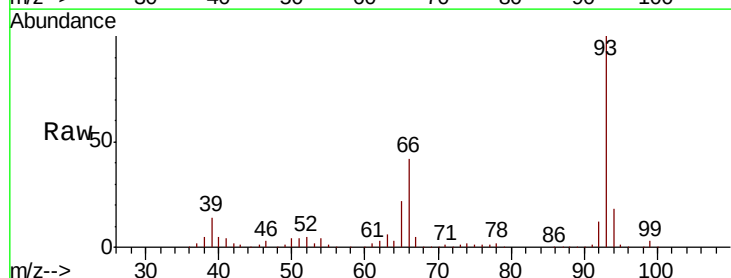
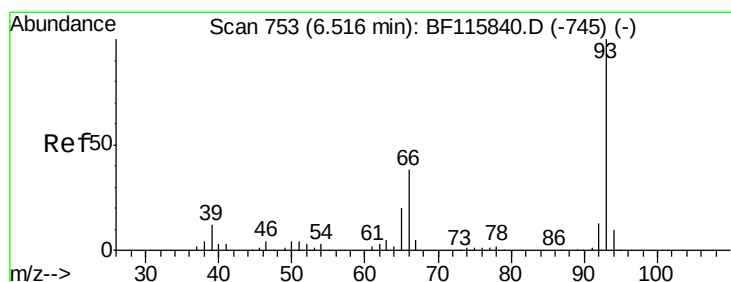
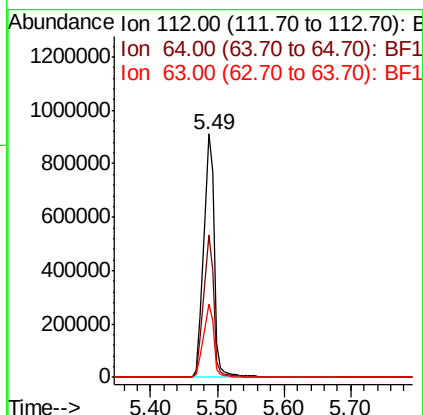
BNA_F

ClientSampleId :

PB121932BS

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



#6

Aniline

Concen: 32.739 ng

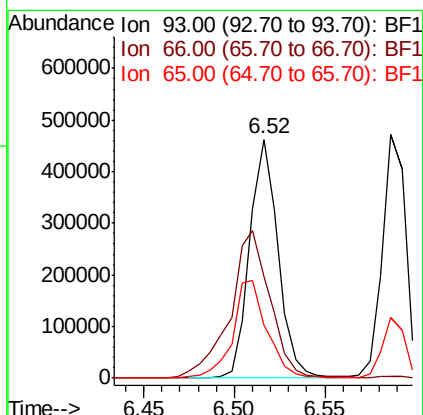
RT: 6.52 min Scan# 753

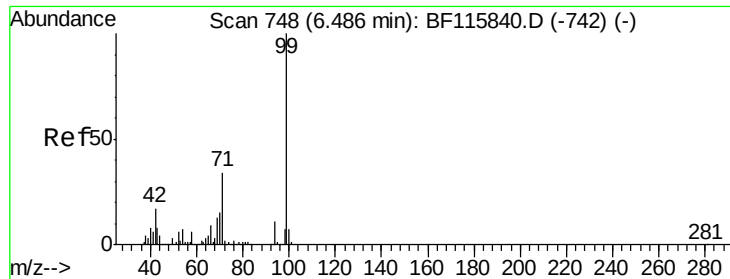
Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		505313		
66	42.5	31.4	47.0		
65	22.2	16.5	24.7		





#7

Phenol-d6

Concen: 116.740 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

ClientSampleId :

PB121932BS

Tot Ion: 99 Resp: 1258146

Ion Ratio Lower Upper

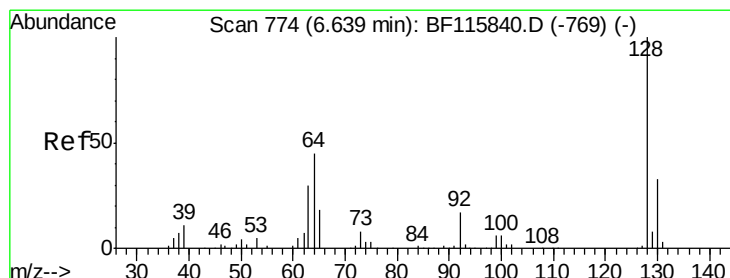
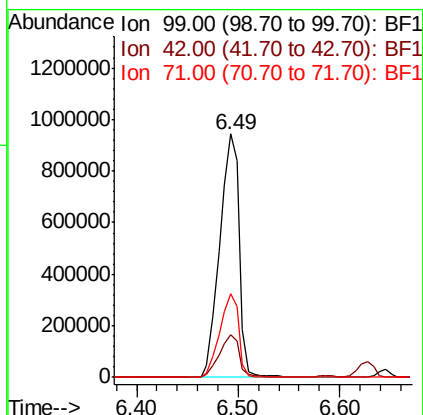
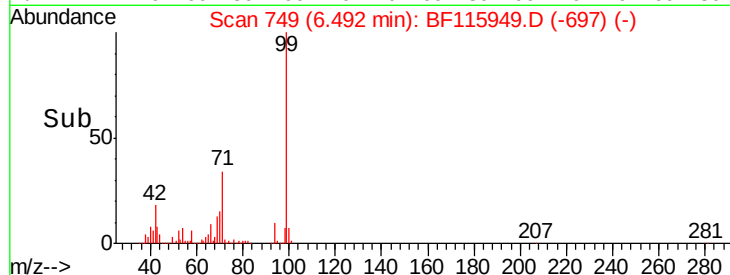
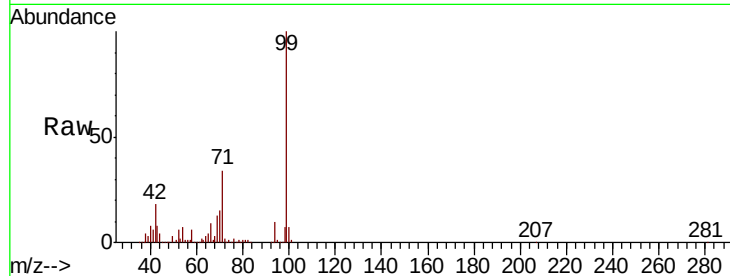
99 100

42 17.5 13.8 20.6

71 34.5 27.1 40.7

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



#8

2-Chlorophenol

Concen: 45.810 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

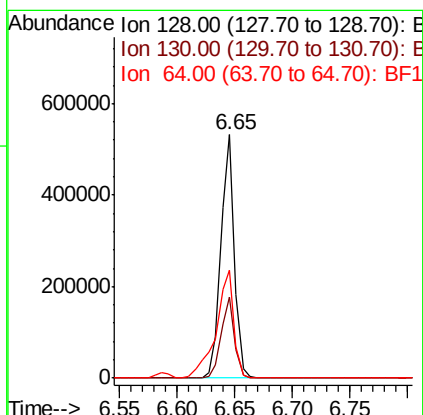
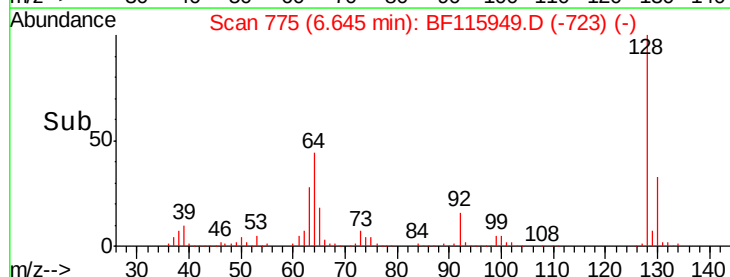
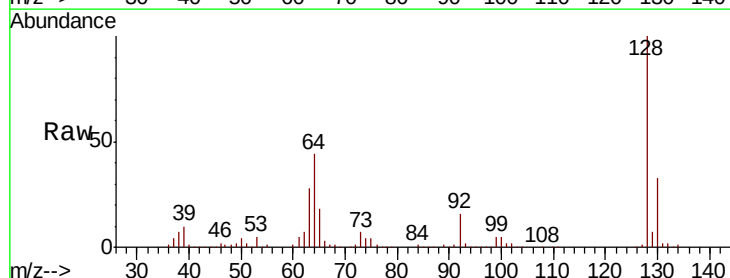
Tgt Ion: 128 Resp: 432710

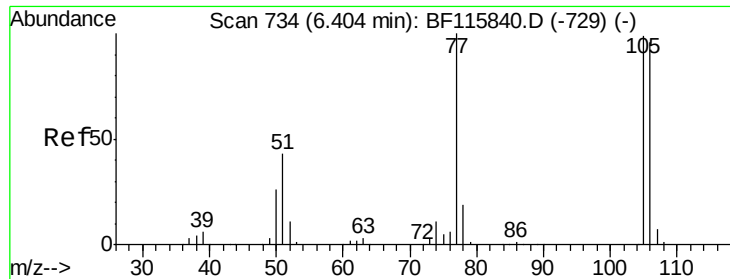
Ion Ratio Lower Upper

128 100

130 33.2 12.9 52.9

64 44.1 26.1 66.1





#9

Benzaldehyde

Concen: 32.356 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

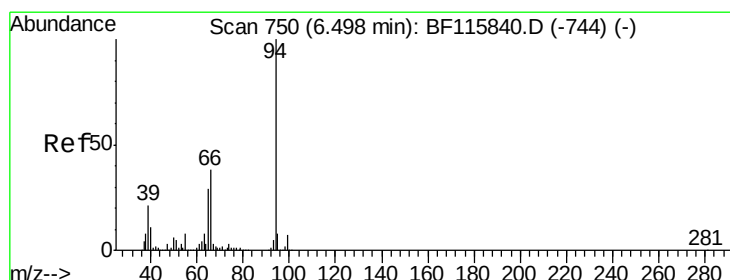
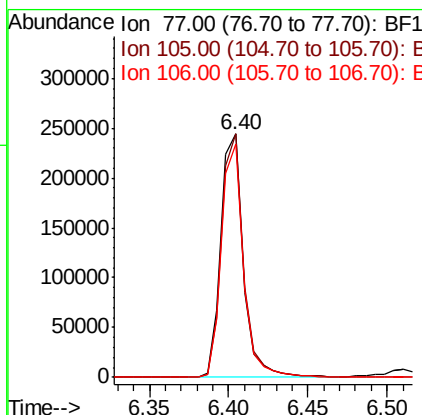
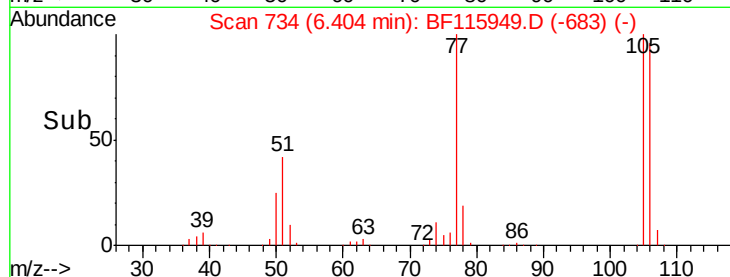
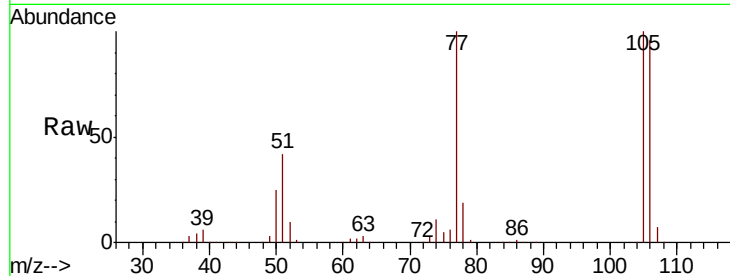
ClientSampleId :

PB121932BS

Tot Ion:	77	Resp:	240602
Ion	Ratio	Lower	Upper
77	100		
105	100.1	79.0	119.0
106	95.9	76.2	116.2

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



#10

Phenol

Concen: 43.431 ng

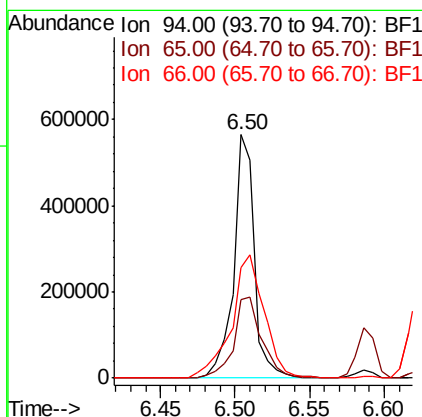
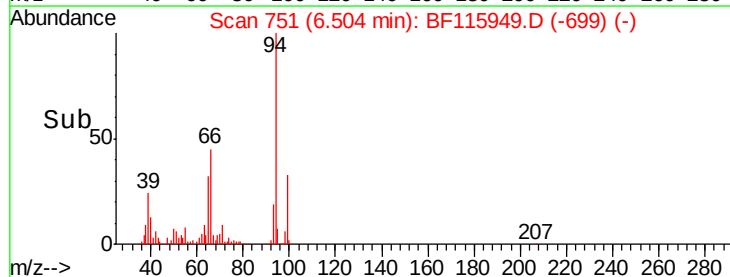
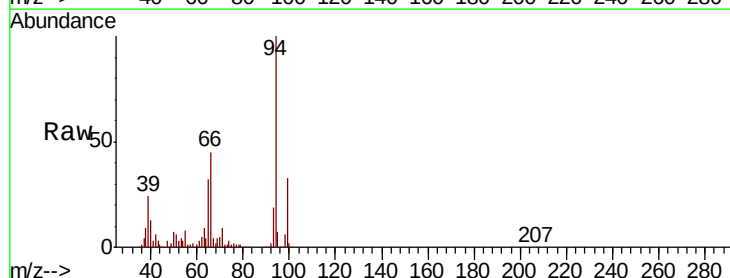
RT: 6.50 min Scan# 751

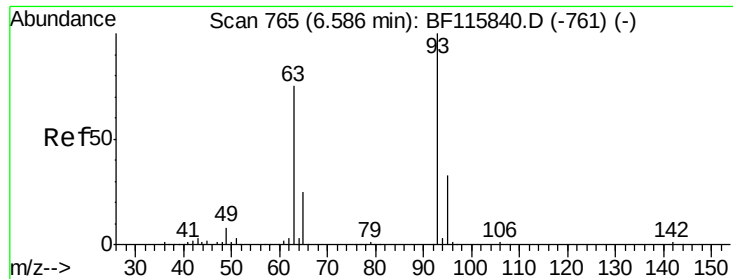
Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion:	94	Resp:	551198
Ion	Ratio	Lower	Upper
94	100		
65	32.5	8.9	48.9
66	45.5	18.0	58.0





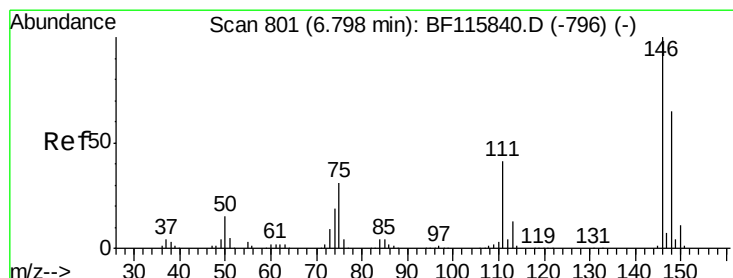
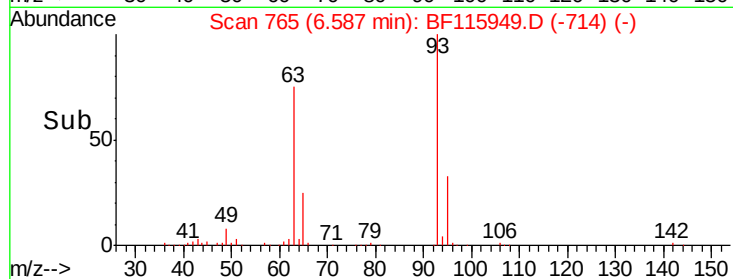
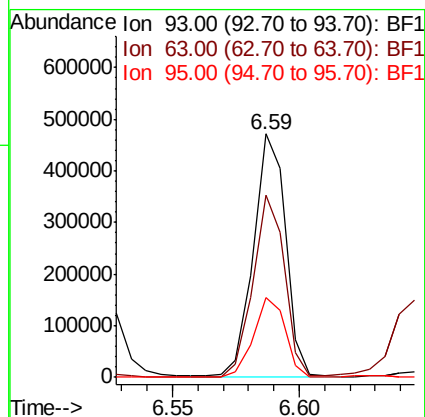
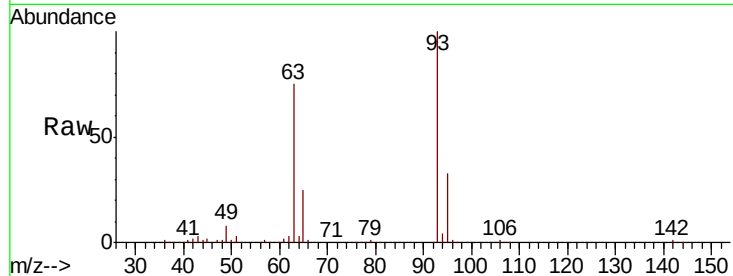
#11
bis(2-Chloroethyl)ether
Concen: 44.790 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion:	93	Resp:	417925
Ion	Ratio	Lower	Upper
93	100		
63	74.9	54.9	94.9
95	32.7	13.3	53.3

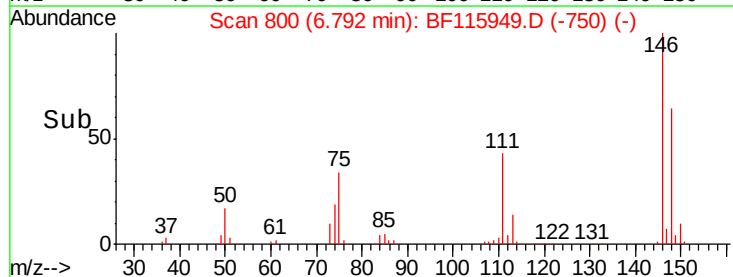
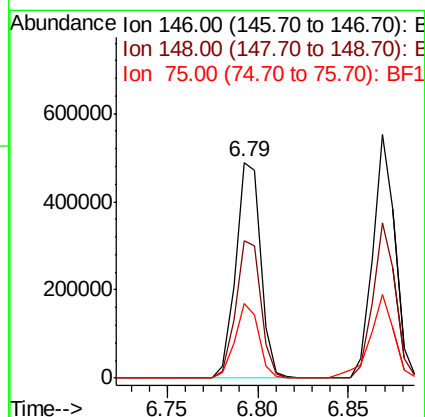
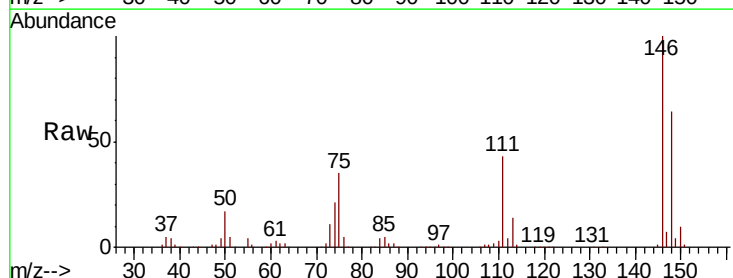
Manual Integrations
APPROVED

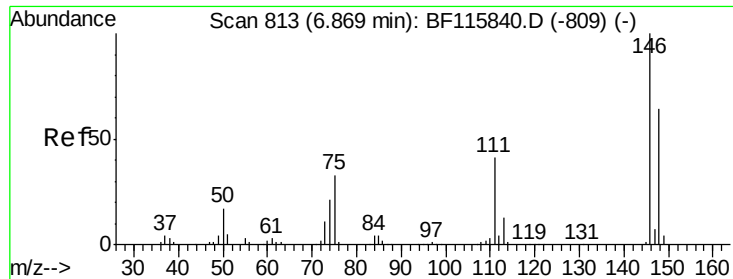
mohammad
8/8/2019 4:44:17 PM



#12
1,3-Dichlorobenzene
Concen: 42.908 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion:	146	Resp:	468399
Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.1	78.1
75	34.5	25.0	37.6





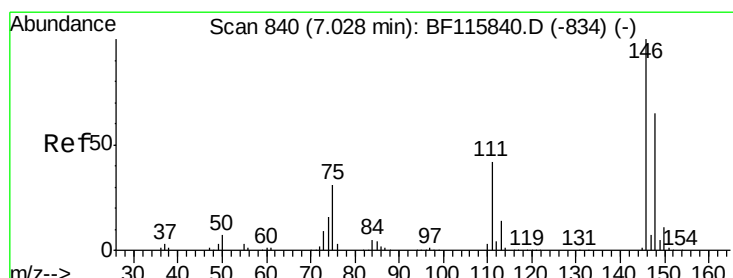
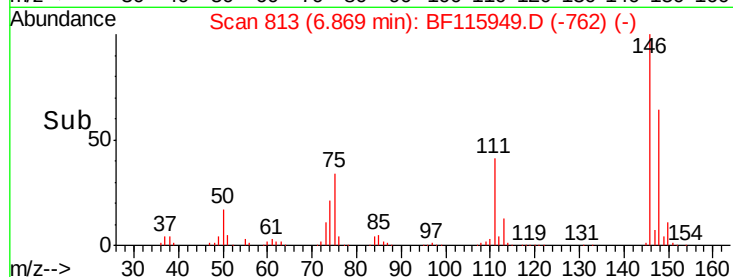
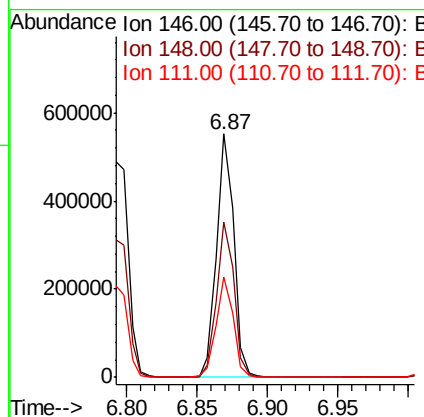
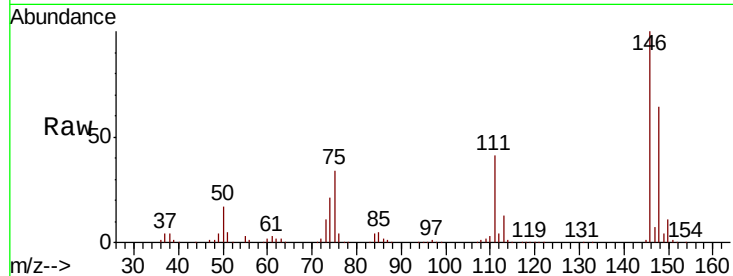
#13
 1,4-Dichlorobenzene
 Concen: 43.210 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
111	41.1	33.2	49.8

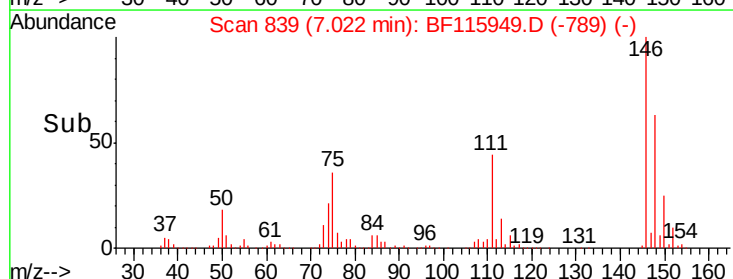
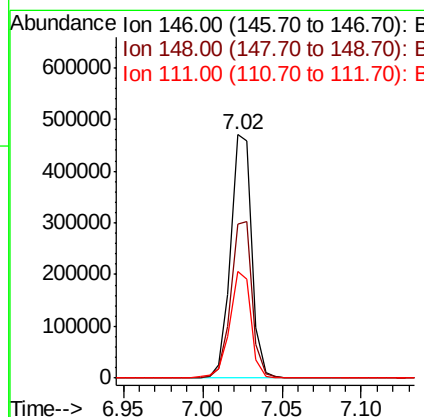
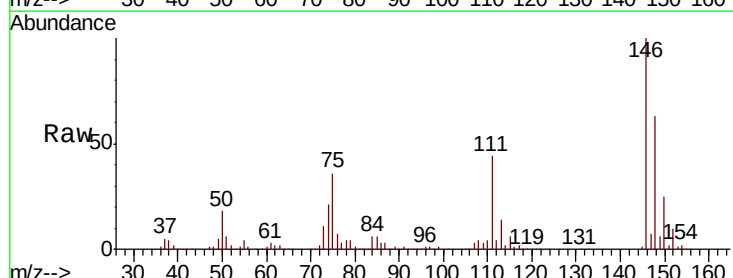
Manual Integrations
 APPROVED

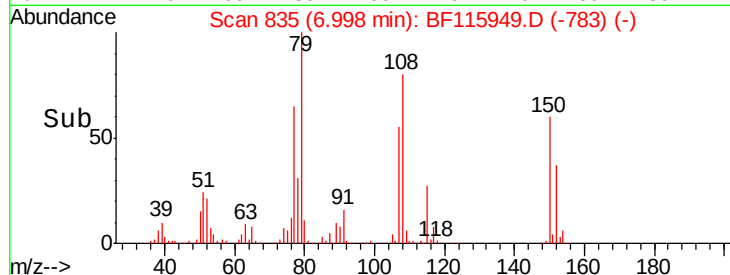
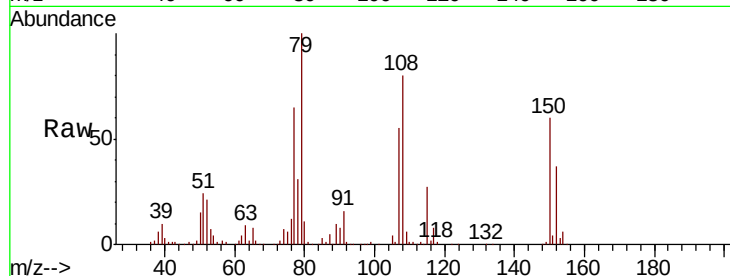
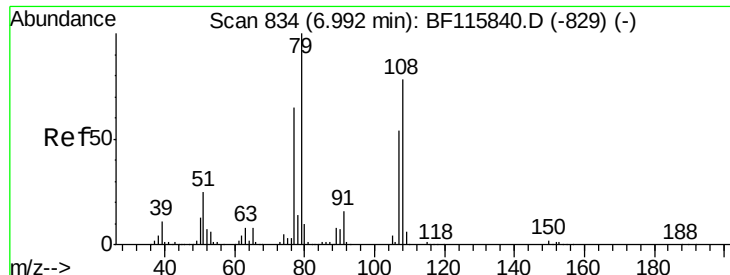
mohammad
 8/8/2019 4:44:17 PM



#14
 1,2-Dichlorobenzene
 Concen: 43.231 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.6	77.4
111	43.5	33.6	50.4





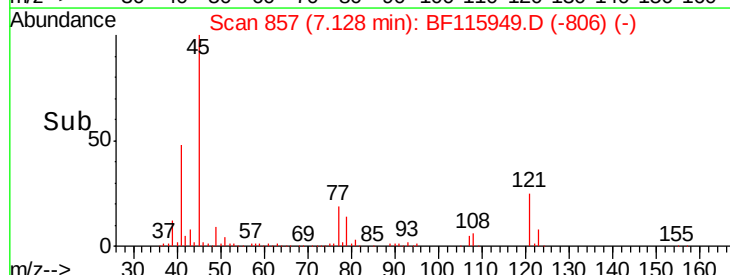
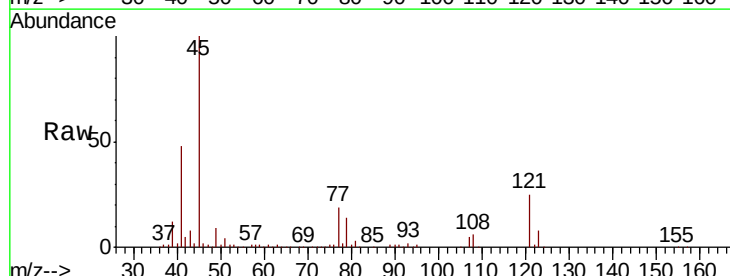
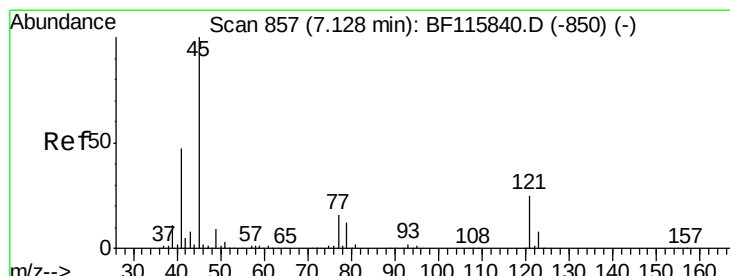
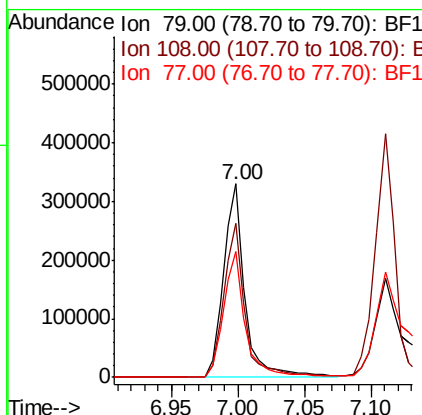
#15
Benzvl Alcohol
Concen: 45.523 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tot Ion:	79	Resp:	372326
Ion	Ratio	Lower	Upper
79	100		
108	79.7	62.8	94.2
77	65.4	52.0	78.0

Instrument :
BNA_F
ClientSampleId :
PB121932BS

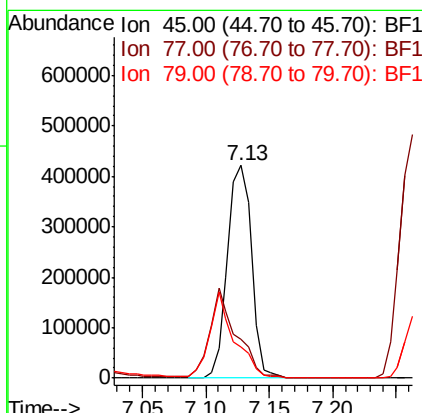
Manual Integrations
APPROVED

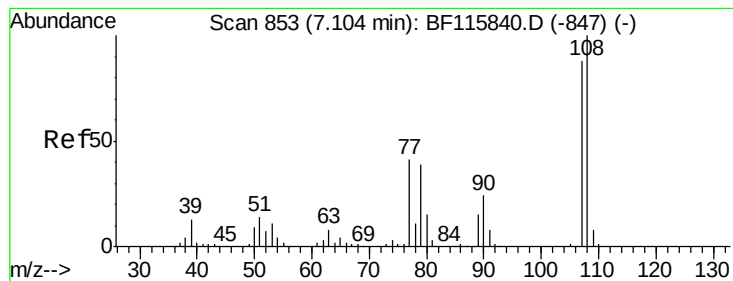
mohammad
8/8/2019 4:44:17 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.477 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion:	45	Resp:	553342
Ion	Ratio	Lower	Upper
45	100		
77	18.6	0.0	36.3
79	14.4	0.0	32.5





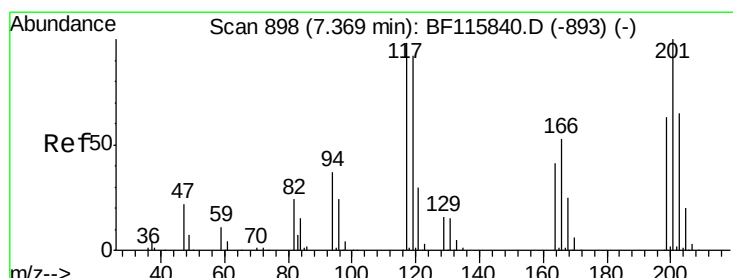
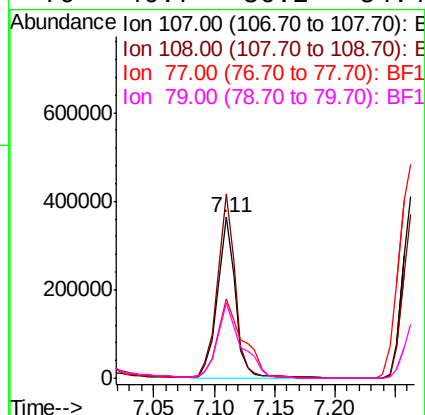
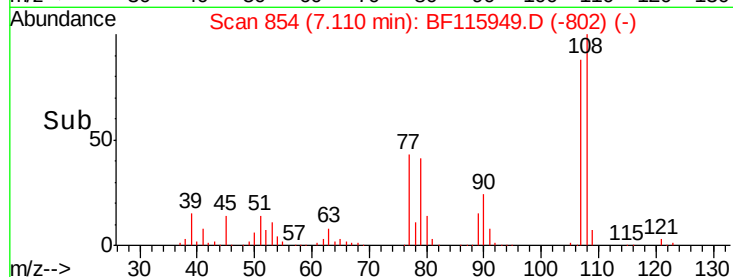
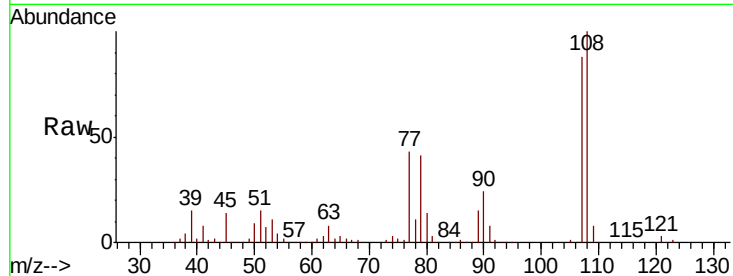
#17
2-Methylphenol
Concen: 46.089 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	107	Resp	368629
Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.4	137.0
77	49.4	37.6	56.4
79	46.7	36.2	54.4

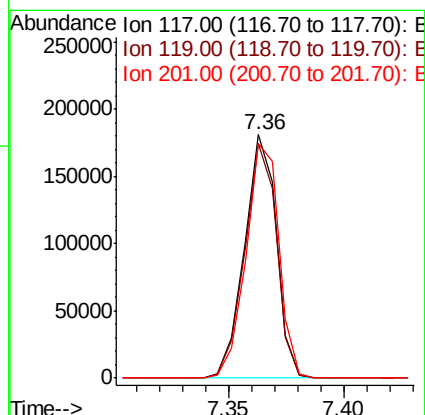
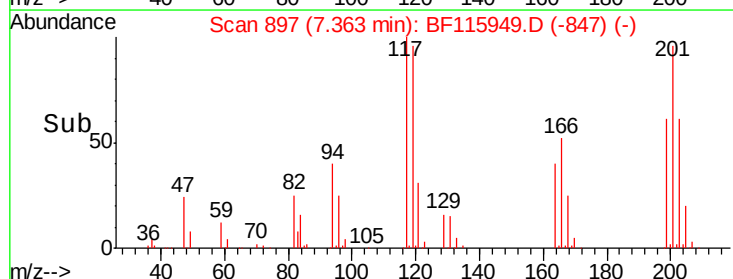
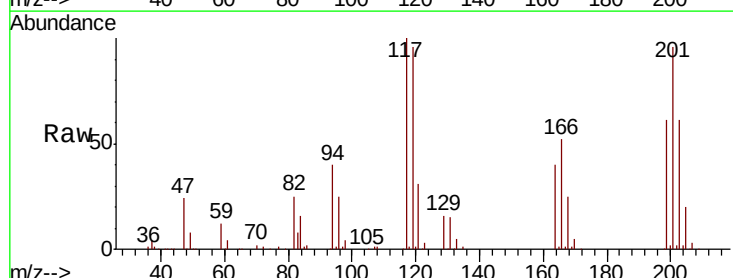
Manual Integrations
APPROVED

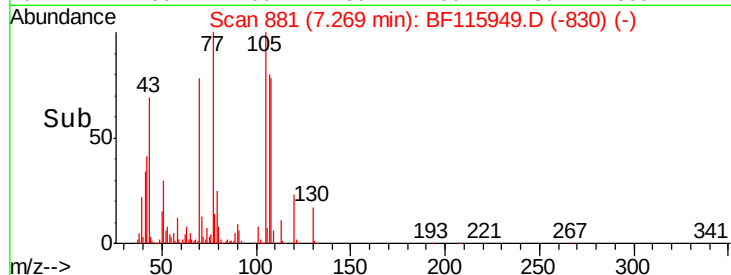
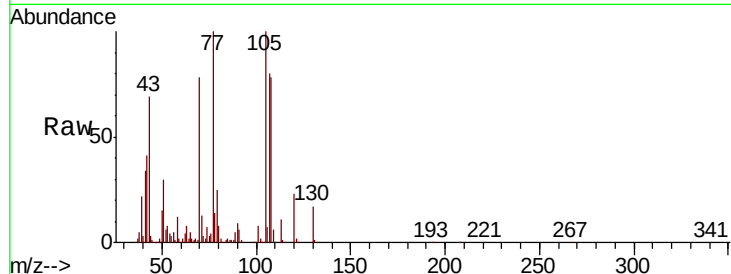
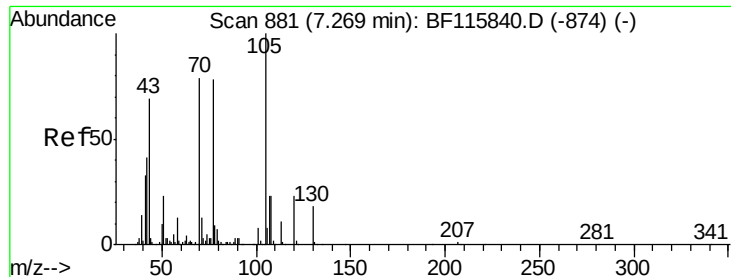
mohammad
8/8/2019 4:44:17 PM



#18
Hexachloroethane
Concen: 43.562 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	117	Resp	175305
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.6
201	96.4	82.0	123.0





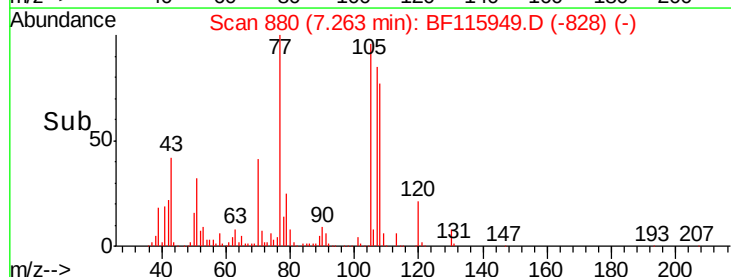
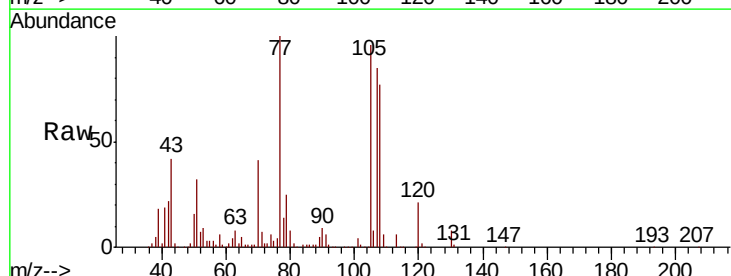
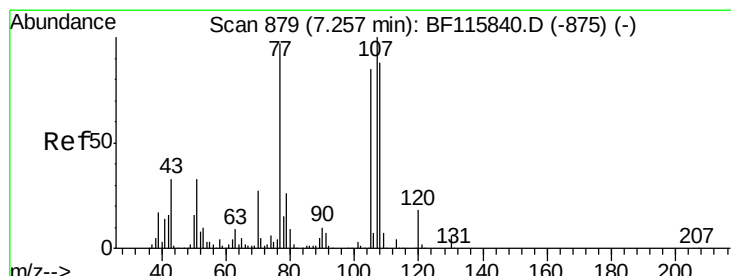
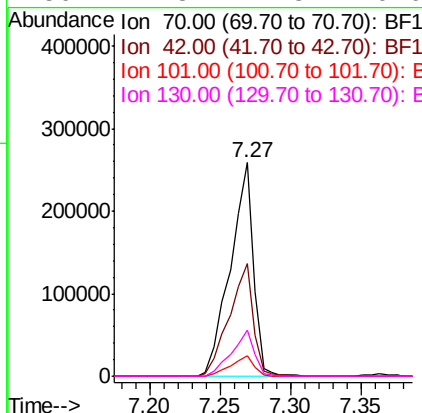
#19
n-Nitroso-di-n-propylamine
Concen: 44.420 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.5	41.8	62.8
101	9.7	7.7	11.5
130	21.8	17.8	26.6

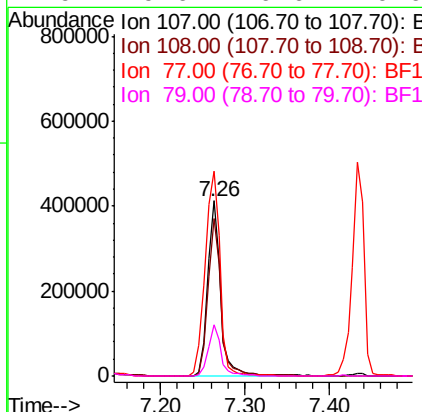
Manual Integrations
APPROVED

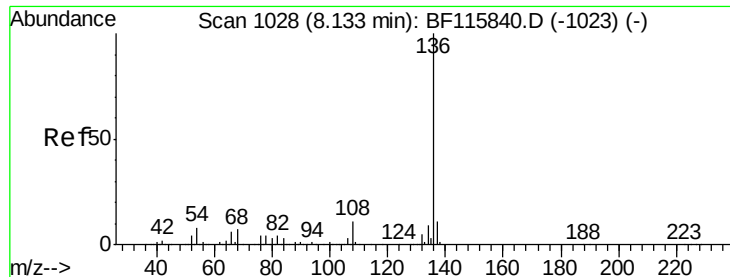
mohammad
8/8/2019 4:44:17 PM



#20
3+4-Methylphenols
Concen: 45.930 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.1	67.9	107.9
77	117.1	77.3	117.3
79	29.6	6.6	46.6





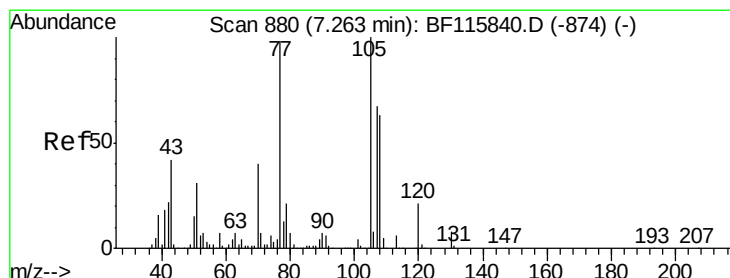
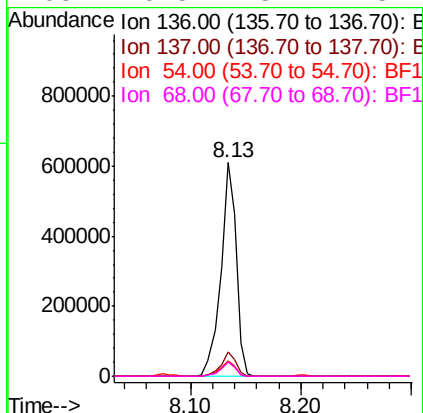
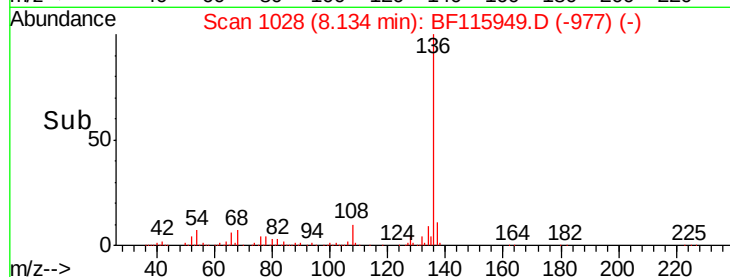
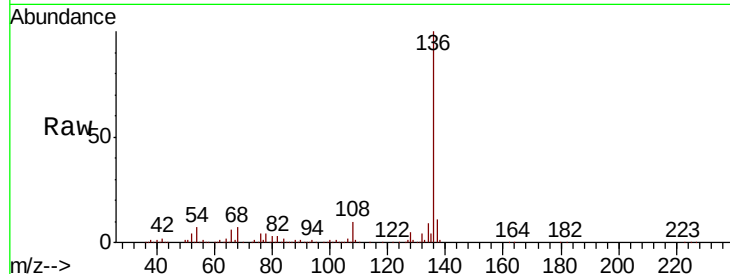
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		593195		
137	11.2	9.1	13.7		
54	7.1	6.1	9.1		
68	6.5	5.4	8.2		

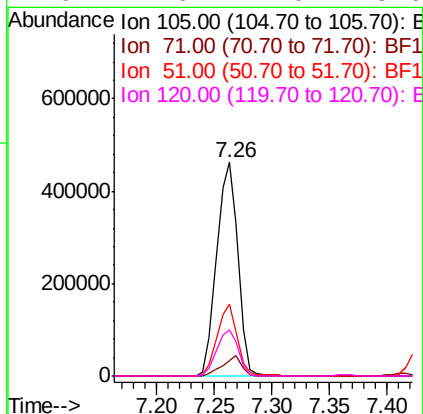
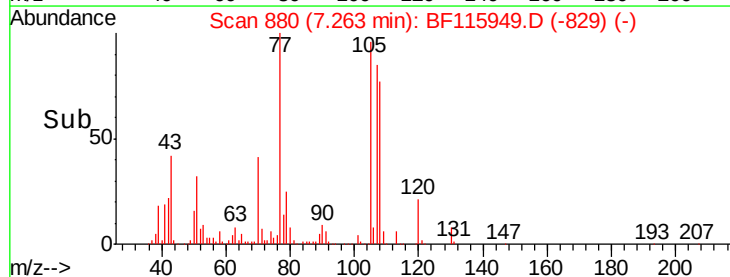
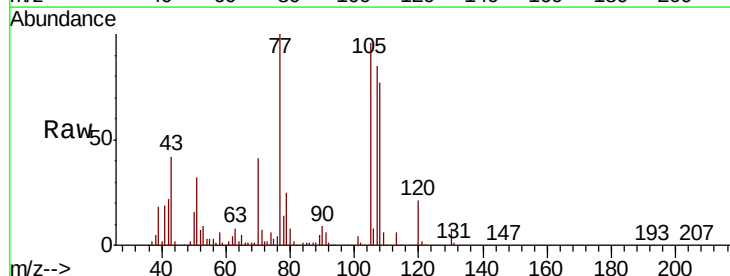
Manual Integrations
APPROVED

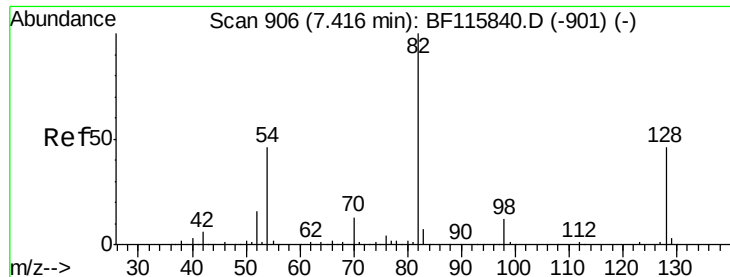
mohammad
8/8/2019 4:44:17 PM



#22
Acetophenone
Concen: 45.209 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		588145		
71	7.1	5.4	8.0		
51	33.3	24.6	36.8		
120	21.6	17.0	25.6		





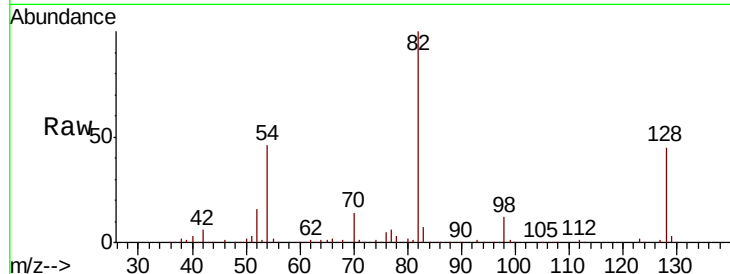
#23
 Nitrobenzene-d5
 Concen: 81.102 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

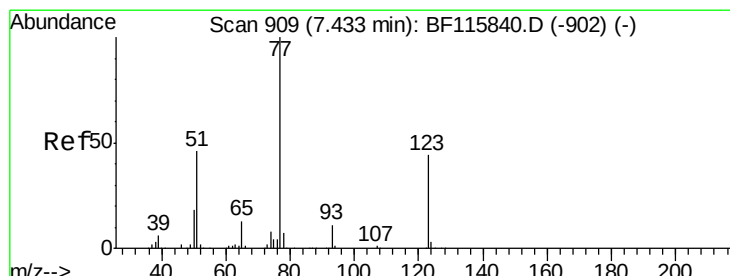
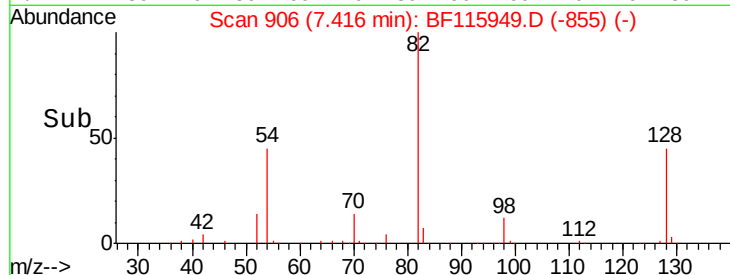
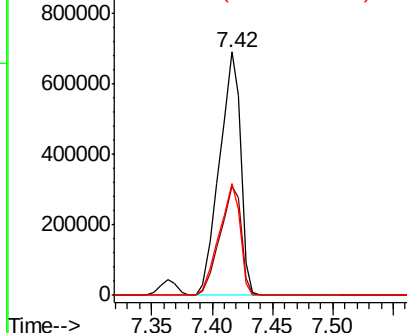
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.6	55.0
54	46.1	36.6	55.0

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:44:17 PM

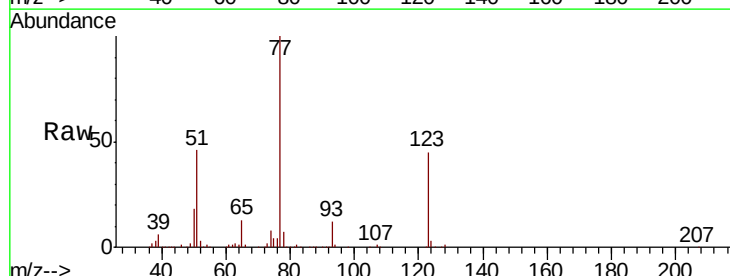


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

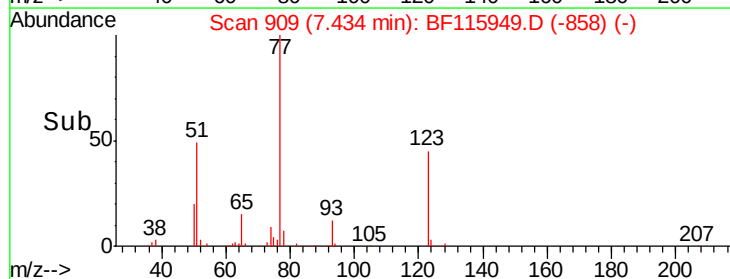
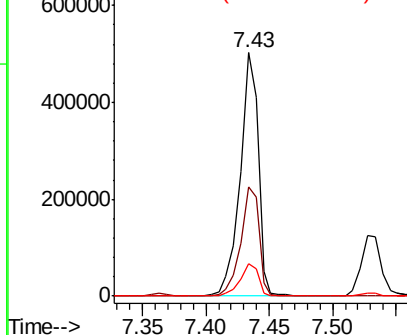


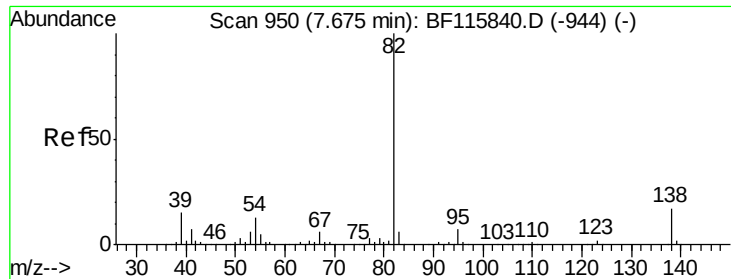
#24
 Nitrobenzene
 Concen: 44.123 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.7	35.5	53.3
65	13.4	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 44.287 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

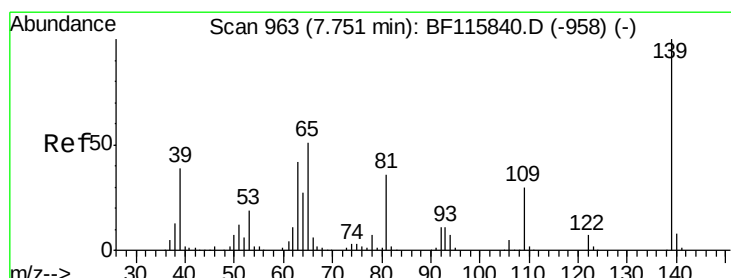
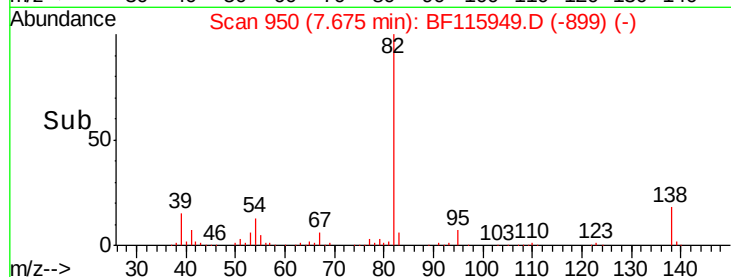
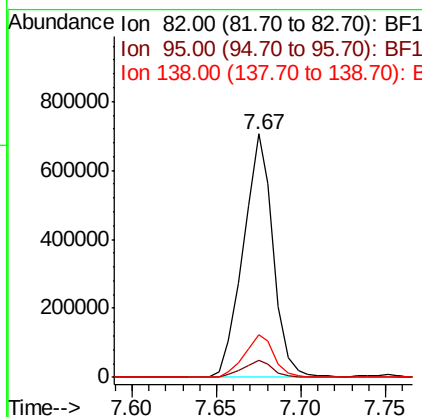
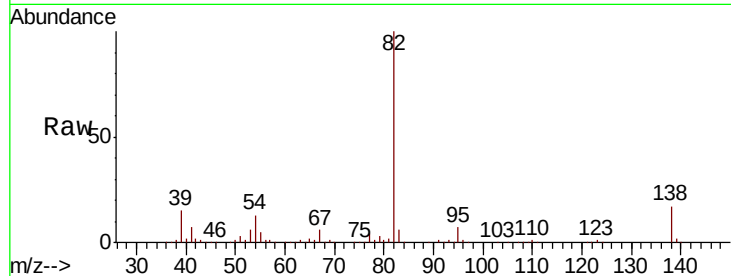
ClientSampleId :

PB121932BS

Tot Ion	82	Resp	870249
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.4	13.9	20.9

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



#26

2-Nitrophenol

Concen: 45.903 ng

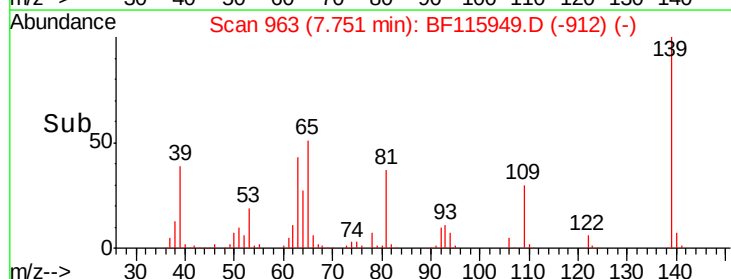
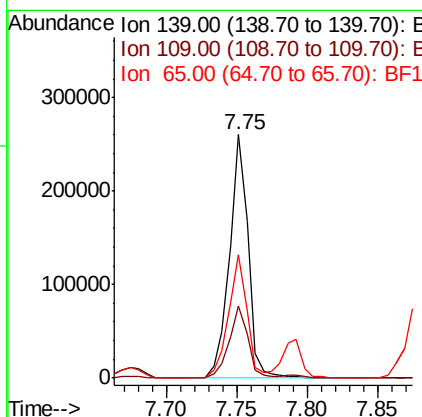
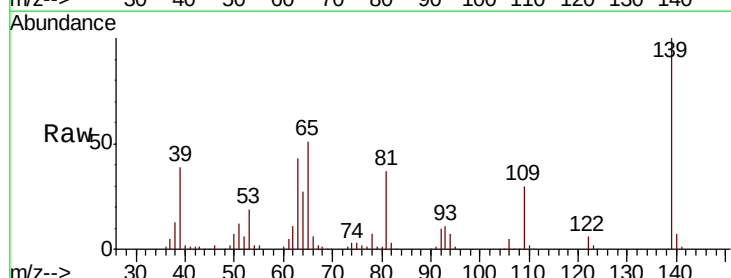
RT: 7.75 min Scan# 963

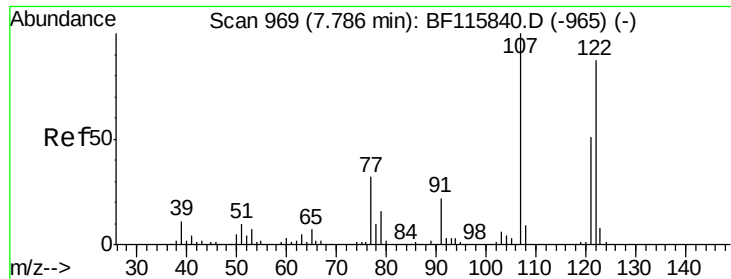
Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion	139	Resp	240098
Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.6	35.4
65	50.9	40.6	60.8





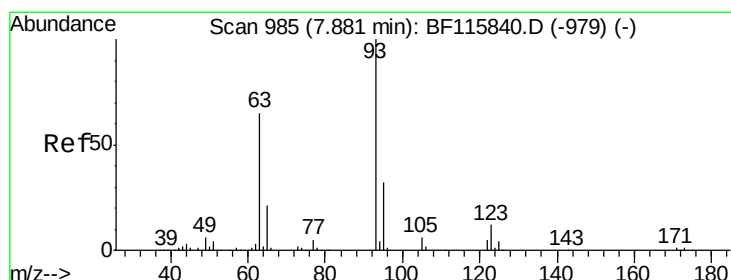
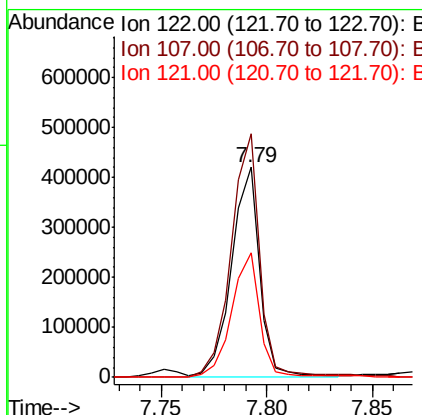
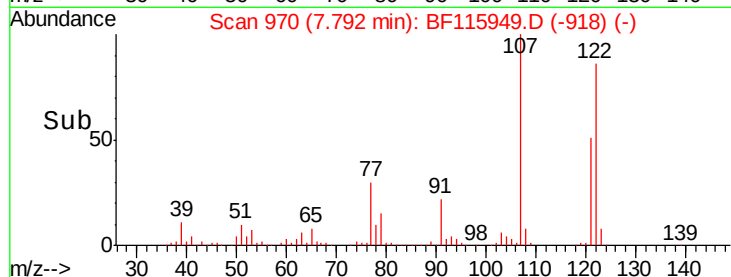
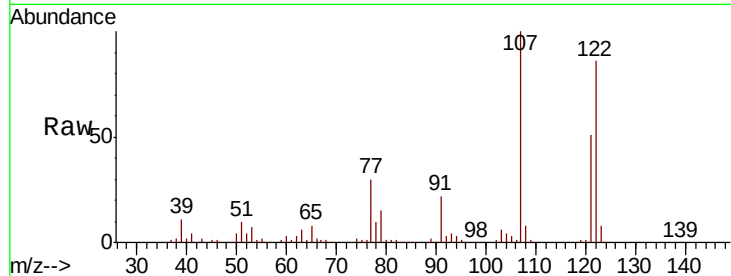
#27
2,4-Dimethylphenol
Concen: 49.402 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		388761		
107	115.9	91.7	137.5		
121	59.4	46.6	70.0		

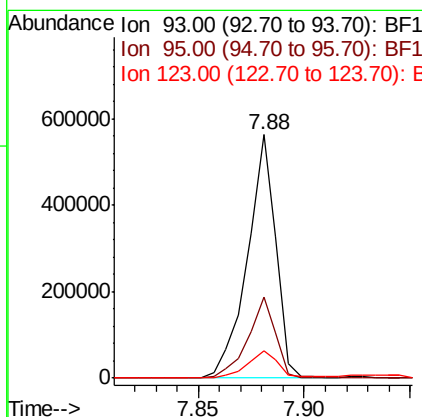
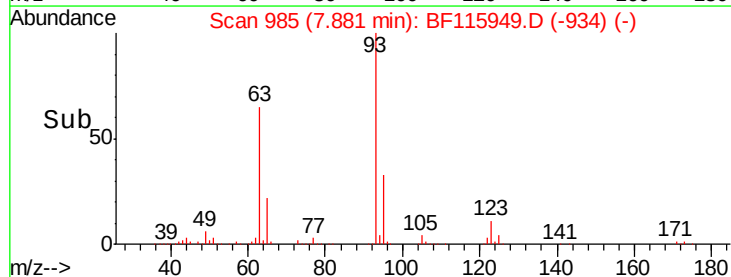
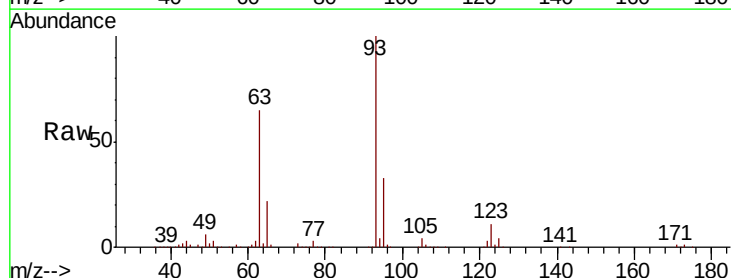
Manual Integrations
APPROVED

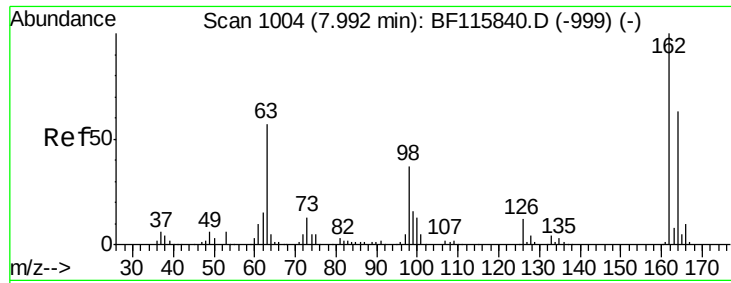
mohammad
8/8/2019 4:44:17 PM



#28
bis(2-Chloroethoxy)methane
Concen: 43.292 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		527274		
95	33.1	26.0	39.0		
123	11.4	9.5	14.3		





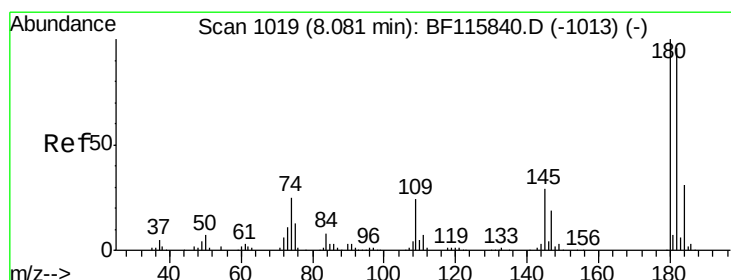
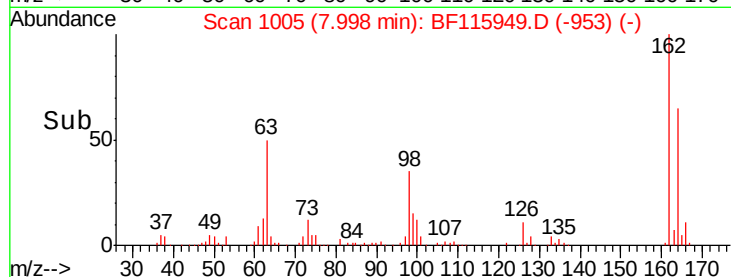
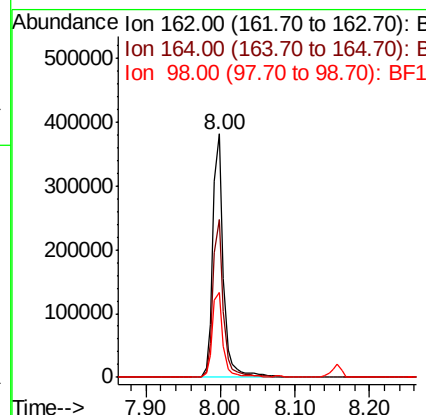
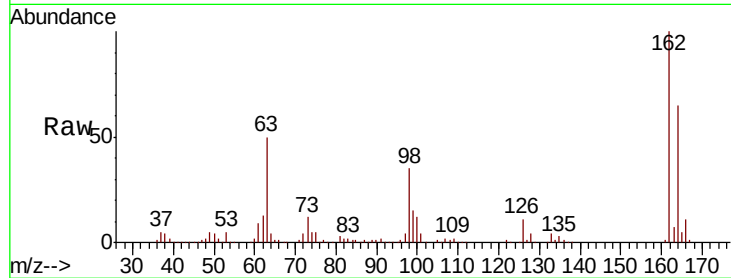
#29
2,4-Dichlorophenol
Concen: 45.645 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	379265		
164	65.0	43.2	83.2	
98	34.7	17.3	57.3	

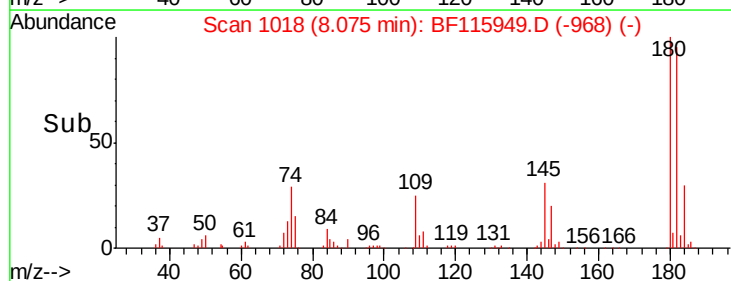
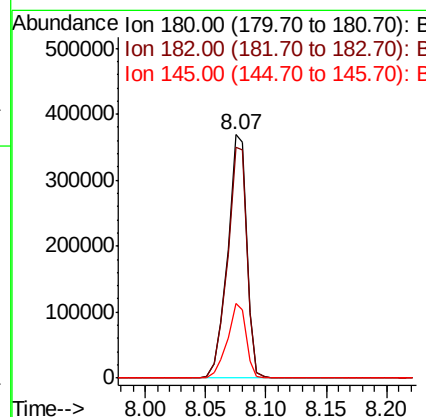
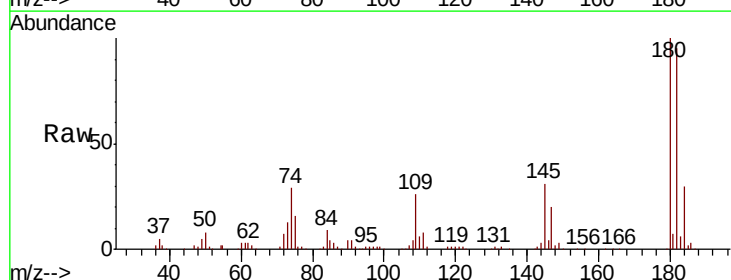
Manual Integrations
APPROVED

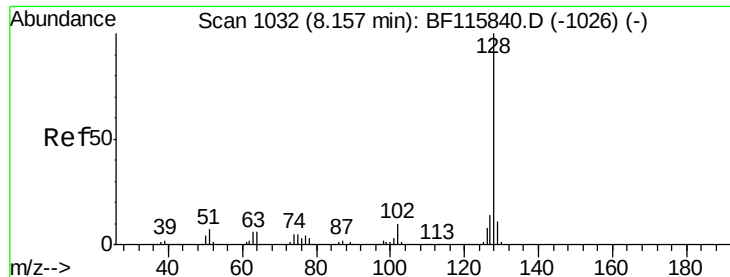
mohammad
8/8/2019 4:44:17 PM



#30
1,2,4-Trichlorobenzene
Concen: 42.764 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	405037		
182	94.8	76.6	114.8	
145	30.6	23.2	34.8	





#31

Naphthalene

Concen: 44.628 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

ClientSampleId :

PB121932BS

Tot Ion:128 Resp: 1245775

Ion Ratio Lower Upper

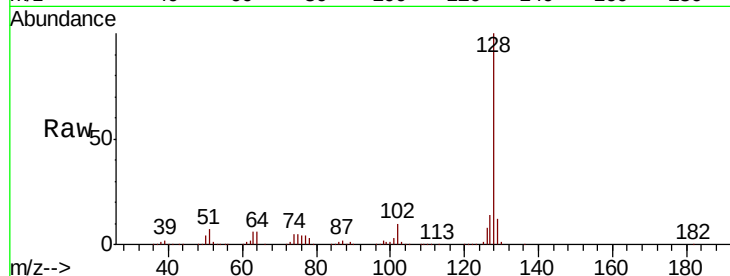
128 100

129 11.7 9.2 13.8

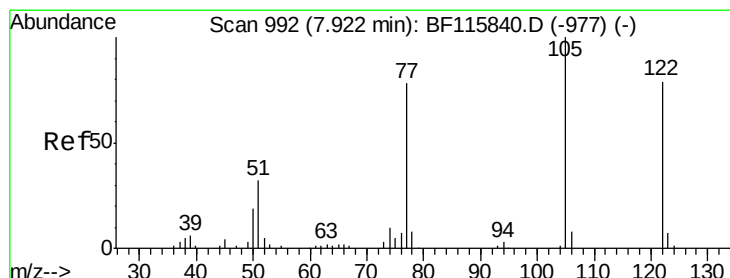
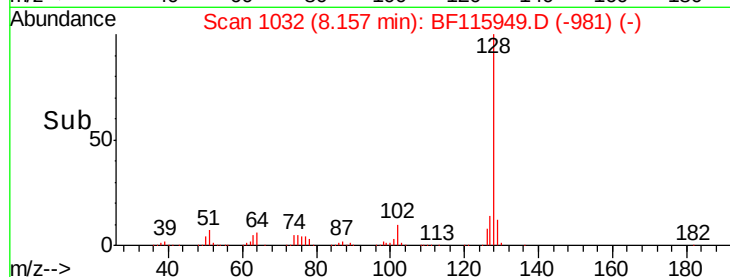
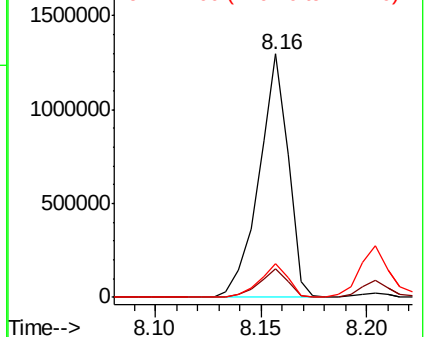
127 14.1 11.0 16.4

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 46.673 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.02 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

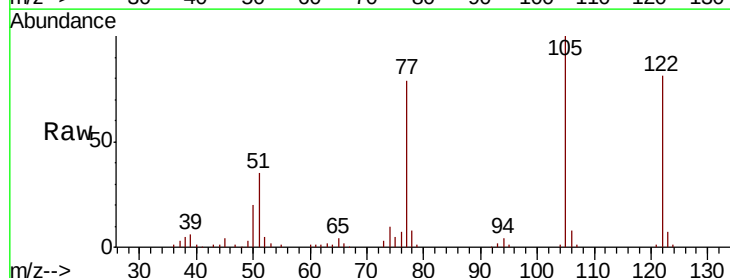
Tgt Ion:122 Resp: 258946

Ion Ratio Lower Upper

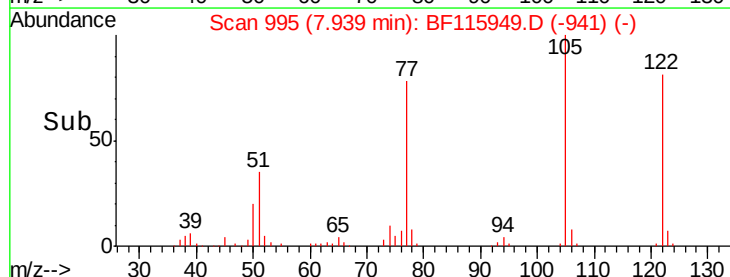
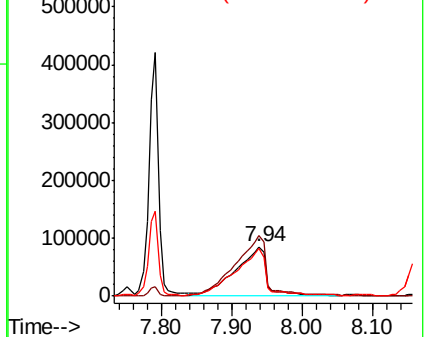
122 100

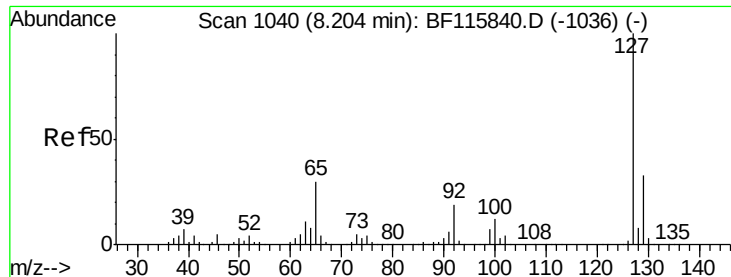
105 123.7 103.1 143.1

77 97.2 76.8 116.8



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





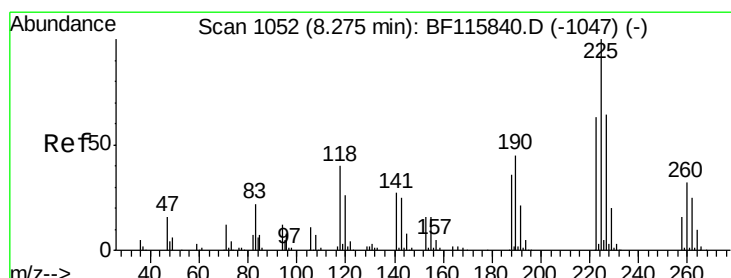
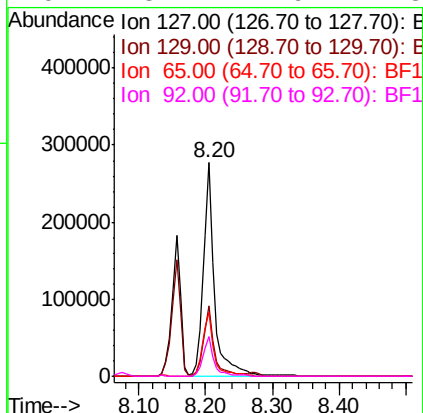
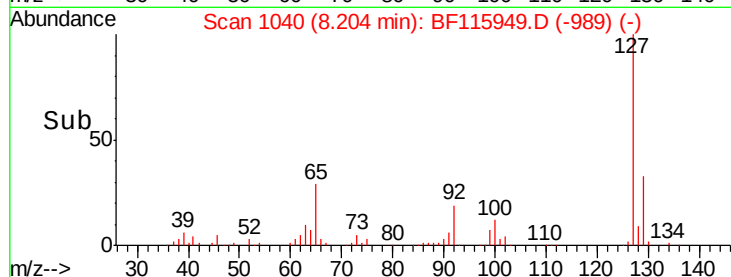
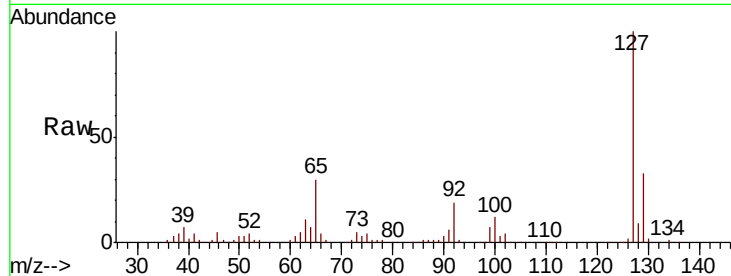
#33
4-Chloroaniline
Concen: 25.257 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		315018		
129	32.7	26.0	39.0		
65	29.8	23.9	35.9		
92	18.7	14.9	22.3		

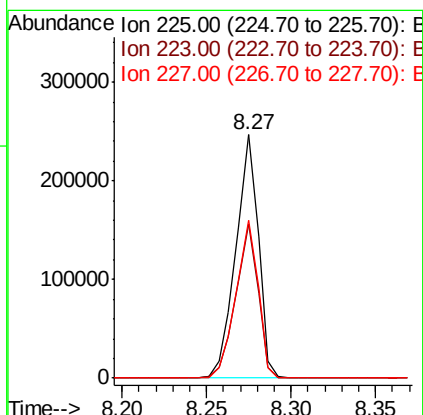
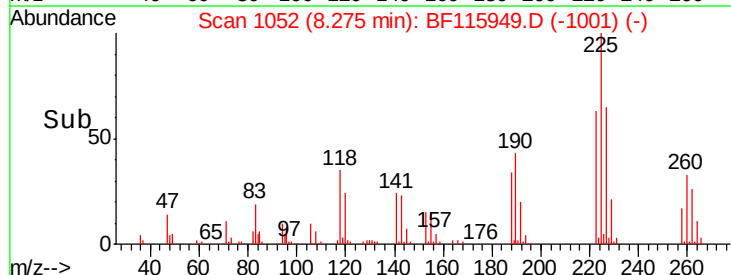
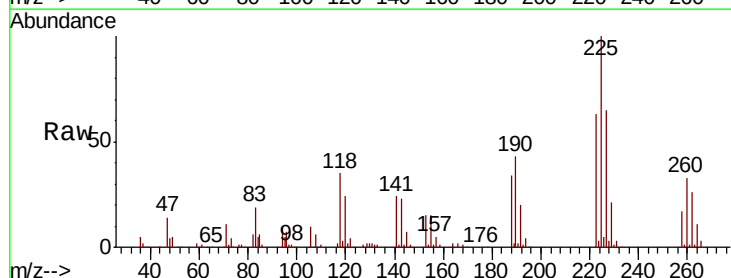
Manual Integrations
APPROVED

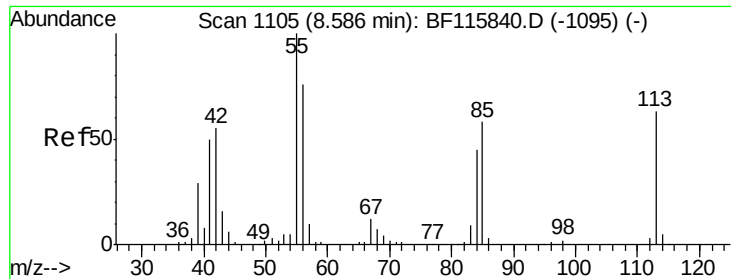
mohammad
8/8/2019 4:44:17 PM



#34
Hexachlorobutadiene
Concen: 42.003 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		229149		
223	63.2	50.4	75.6		
227	64.9	51.6	77.4		





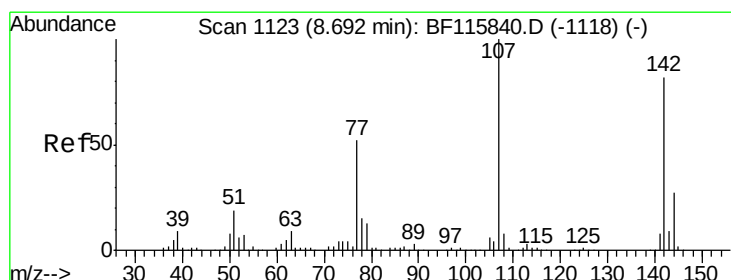
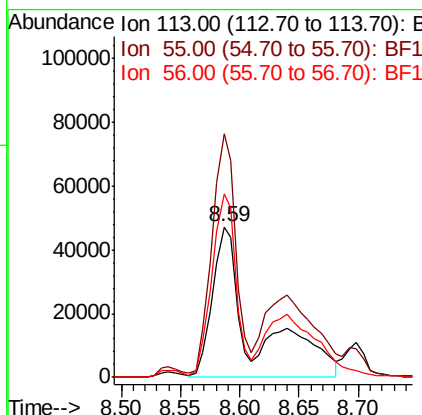
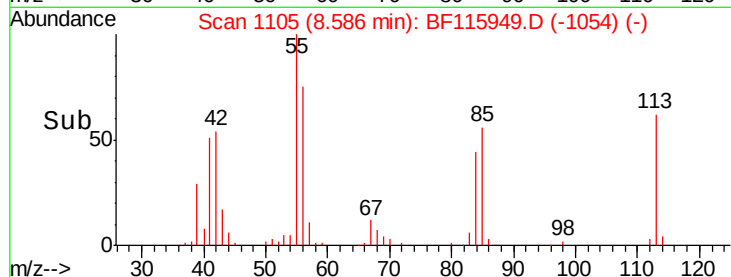
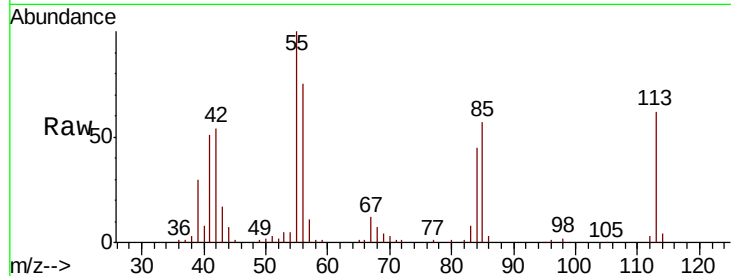
#35
 Caprolactam
 Concen: 41.968 ng/ml
 RT: 8.59 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	161.5	138.1	178.1		
56	121.5	100.6	140.6		

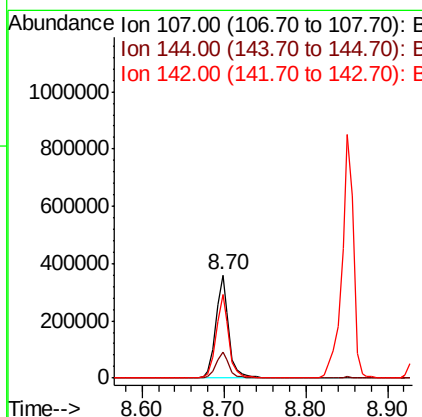
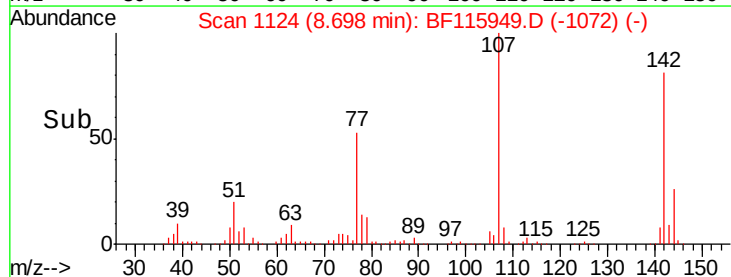
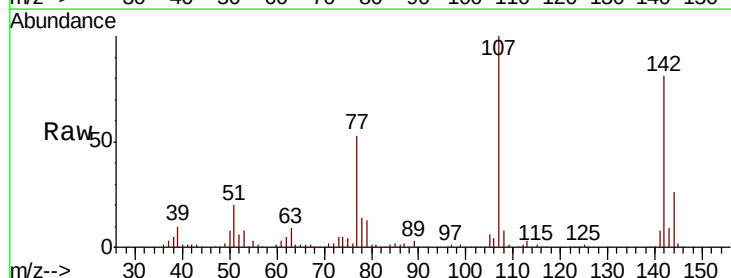
Manual Integrations
 APPROVED

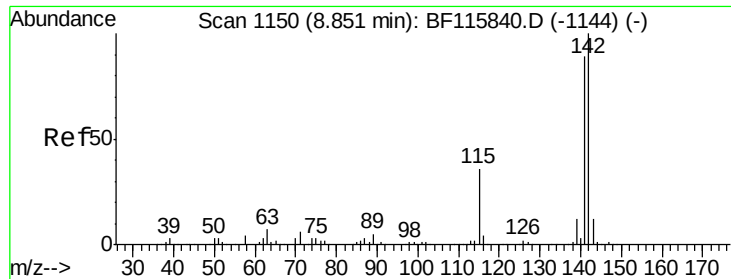
mohammad
 8/8/2019 4:44:17 PM



#36
 4-Chloro-3-methylphenol
 Concen: 45.664 ng/ml
 RT: 8.70 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.7	21.4	32.0		
142	81.1	65.5	98.3		





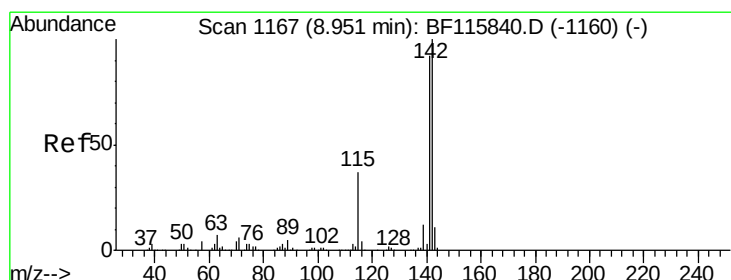
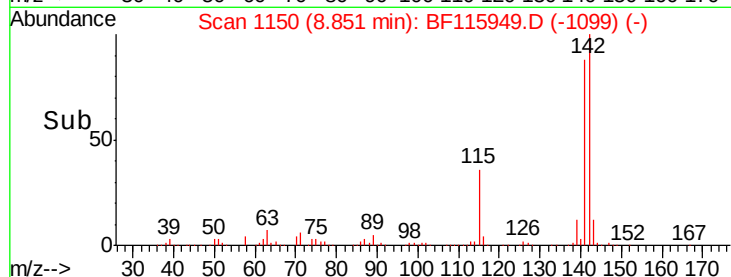
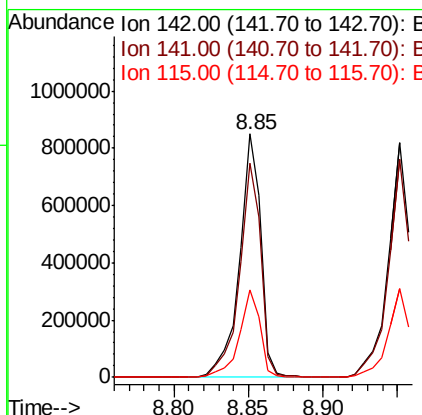
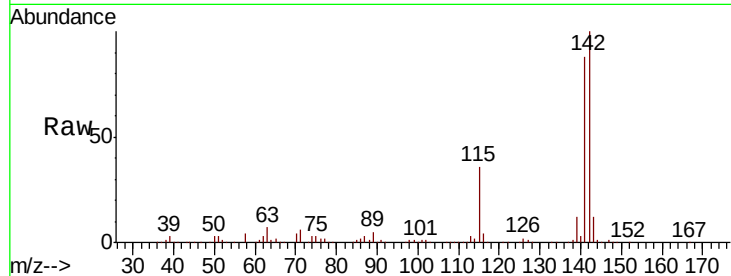
#37
2-Methylnaphthalene
Concen: 45.900 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.4	107.2
115	36.0	28.9	43.3

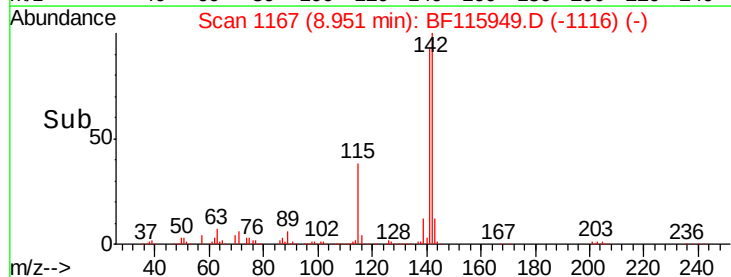
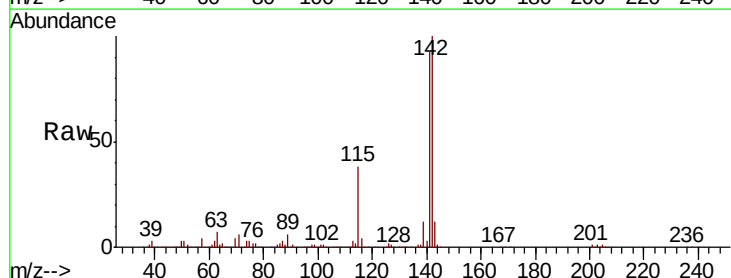
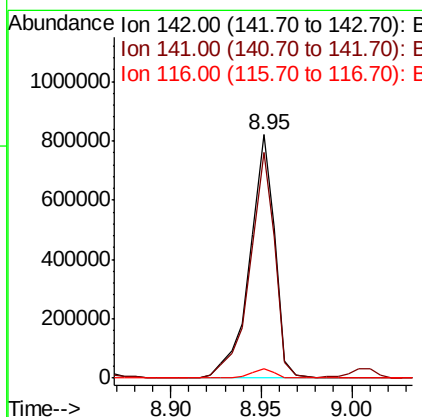
Manual Integrations
APPROVED

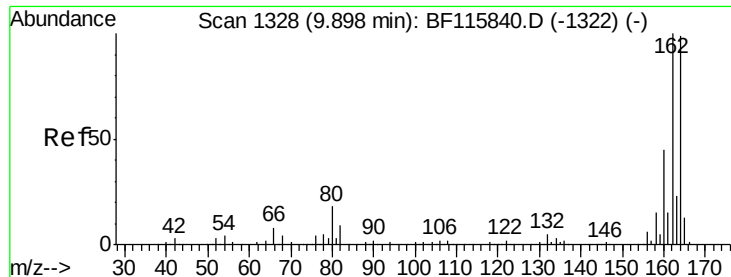
mohammad
8/8/2019 4:44:17 PM



#38
1-Methylnaphthalene
Concen: 44.904 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.8	110.6
116	4.0	3.1	4.7





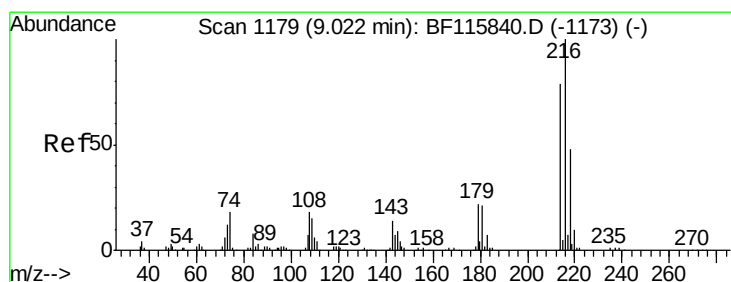
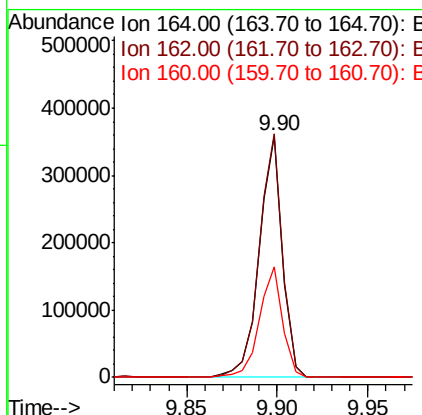
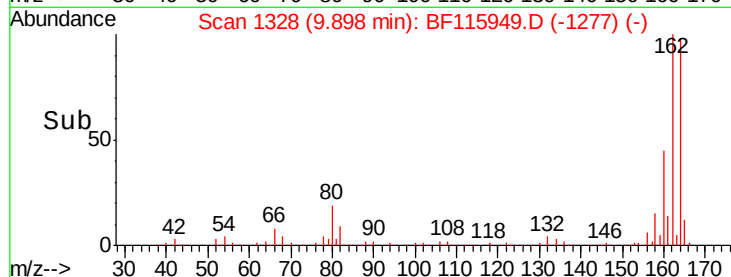
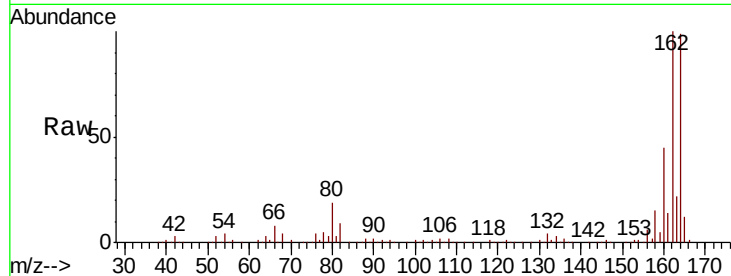
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	80.8	121.2	
160	45.6	36.2	54.4	

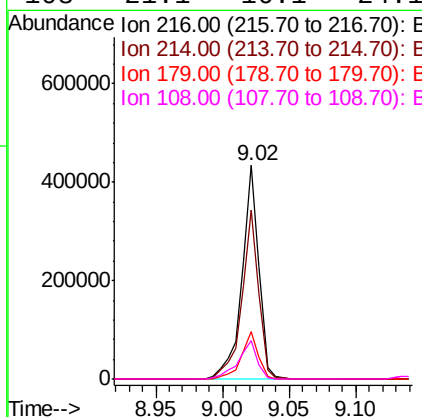
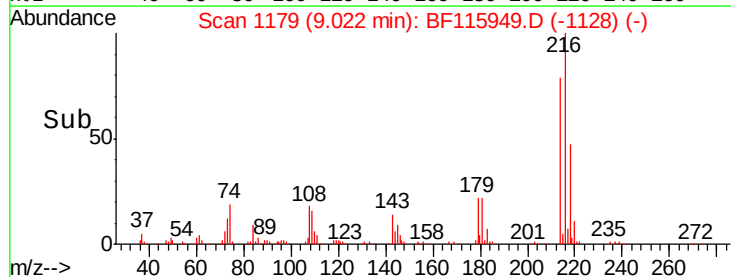
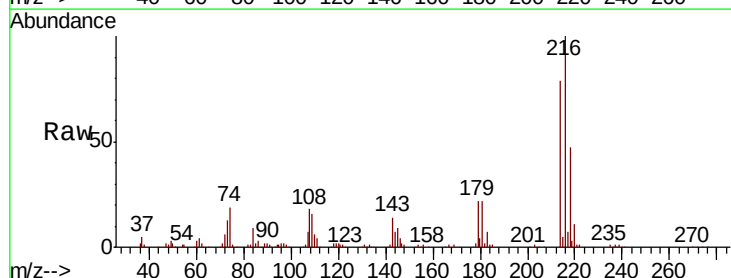
Manual Integrations
APPROVED

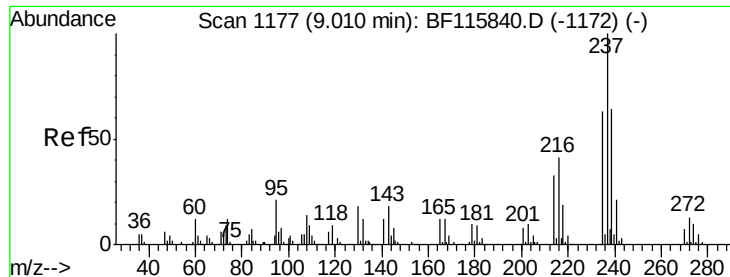
mohammad
8/8/2019 4:44:17 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.933 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.1	62.8	94.2	
179	22.0	17.6	26.4	
108	21.1	16.1	24.1	





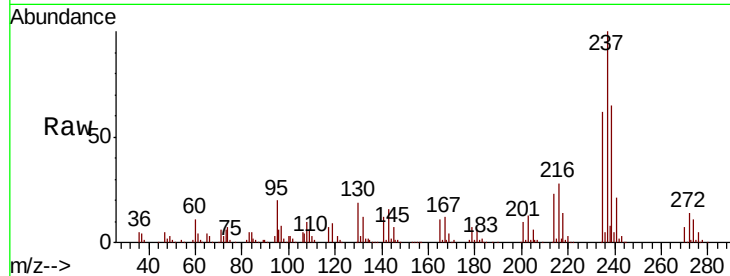
#41
Hexachlorocyclopentadiene
Concen: 66.172 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

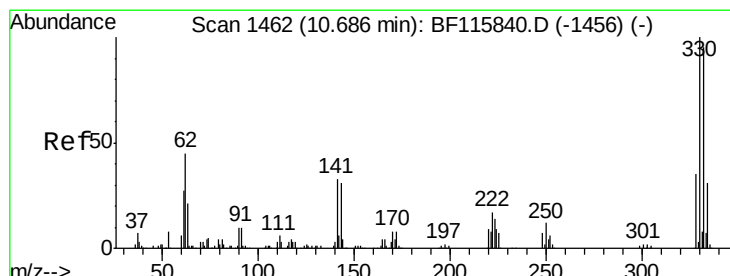
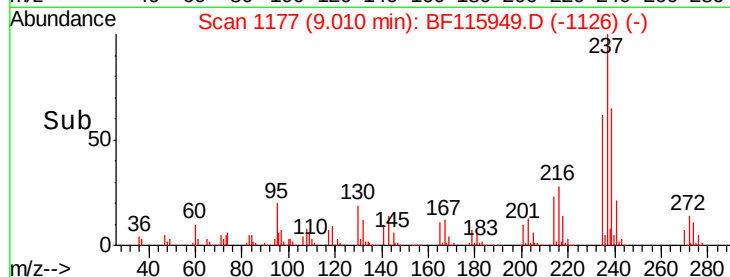
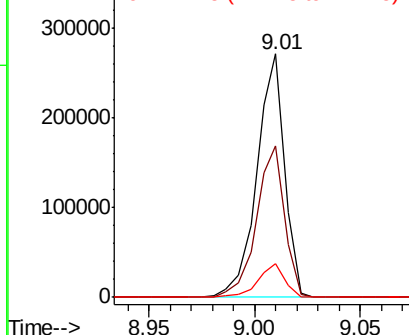
Tot Ion:	237	Resp:	247392
Ion Ratio	Lower	Upper	
237	100		
235	62.0	42.5	82.5
272	13.9	0.0	33.3

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



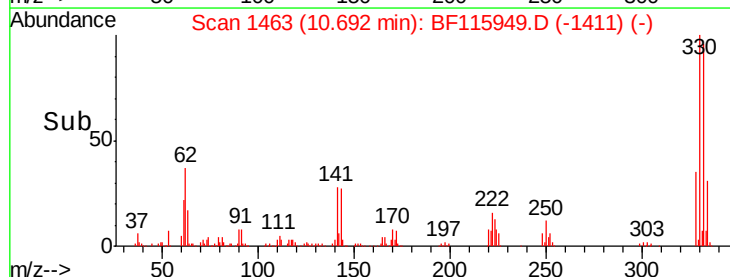
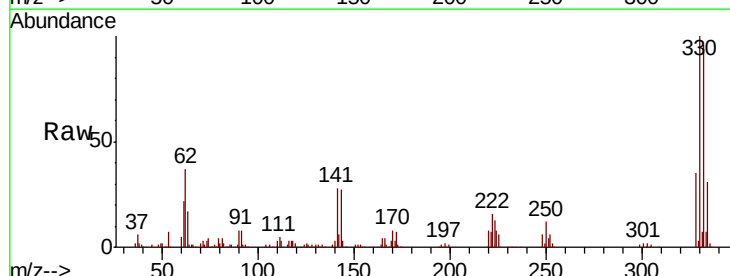
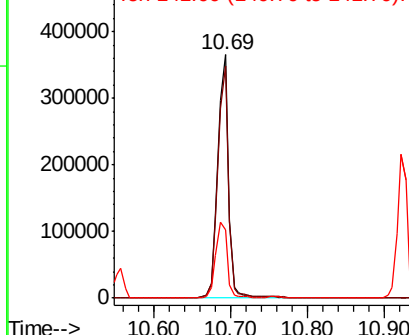
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

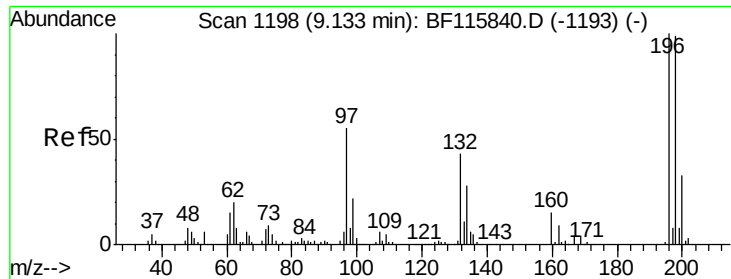


#42
2,4,6-Tribromophenol
Concen: 113.994 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion:	330	Resp:	350128
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.7	116.5
141	33.8	28.1	42.1

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





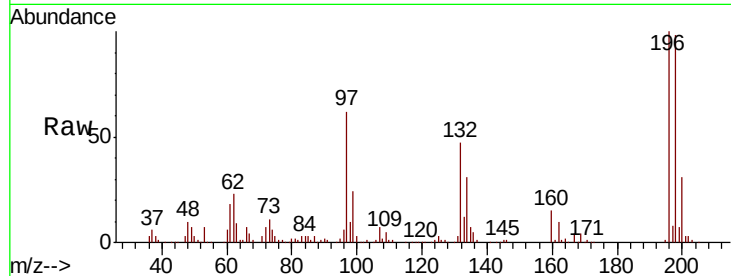
#43
2,4,6-Trichlorophenol
Concen: 42.994 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	250638		
198	98.4	79.1	118.7	
200	31.3	26.0	39.0	

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

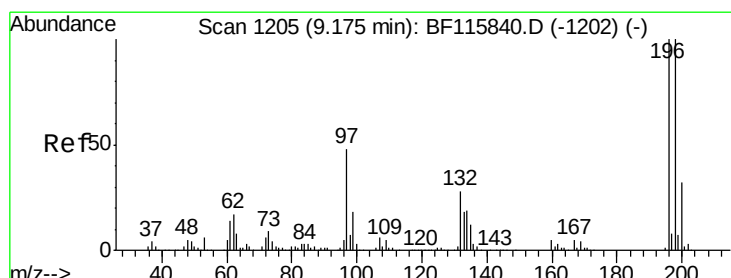
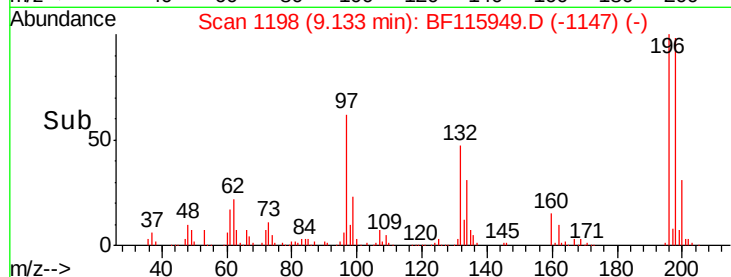
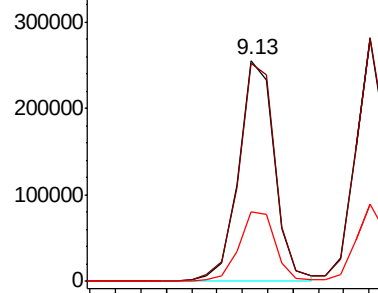


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
2,4,5-Trichlorophenol
Concen: 44.574 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	268606		
198	100.5	80.1	120.1	
97	50.8	38.9	58.3	
132	29.3	22.6	33.8	

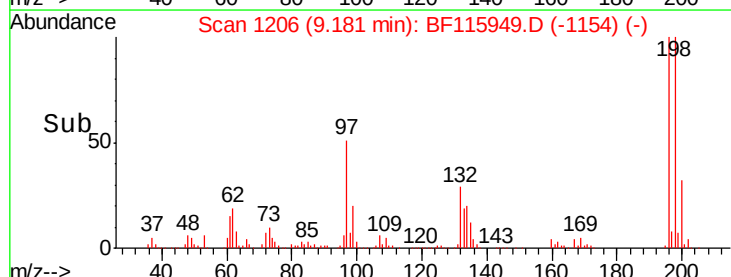
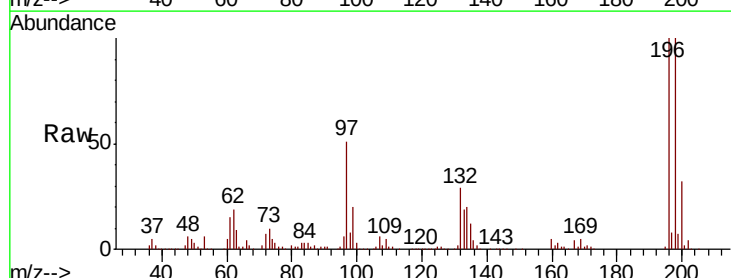
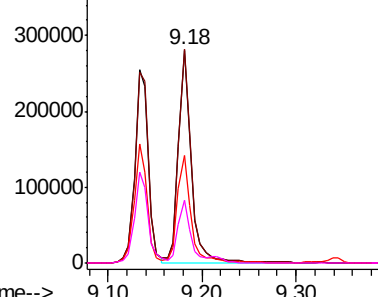
Abundance

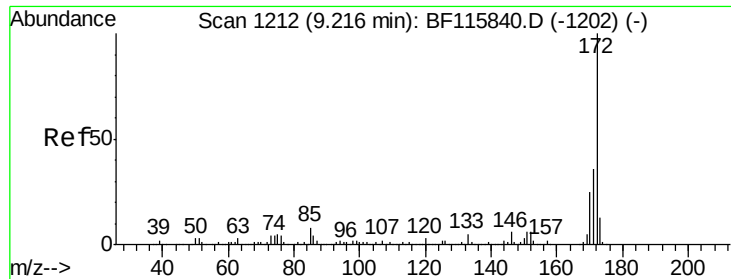
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





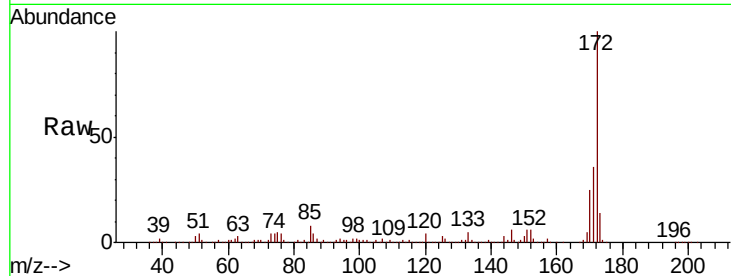
#45
2-Fluorobiphenyl
Concen: 83.919 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.1	43.7
170	25.0	20.1	30.1

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

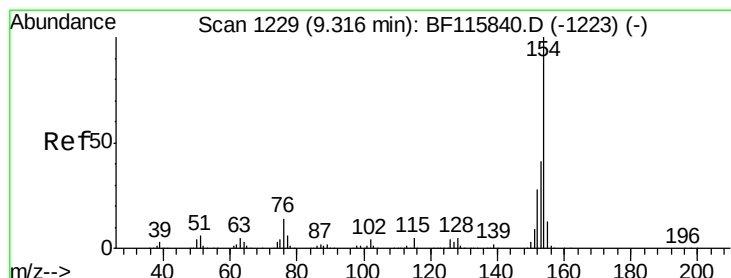
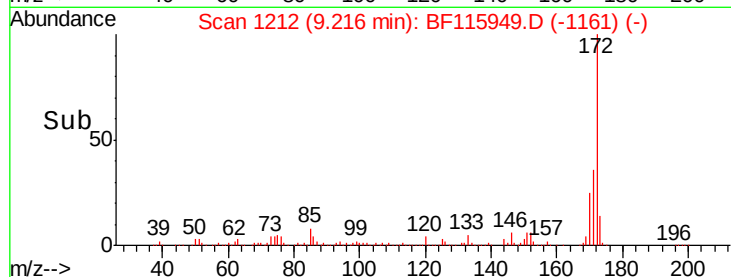
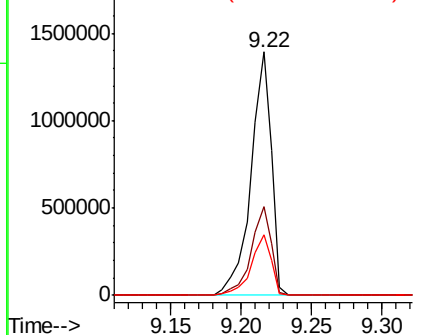


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.884 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

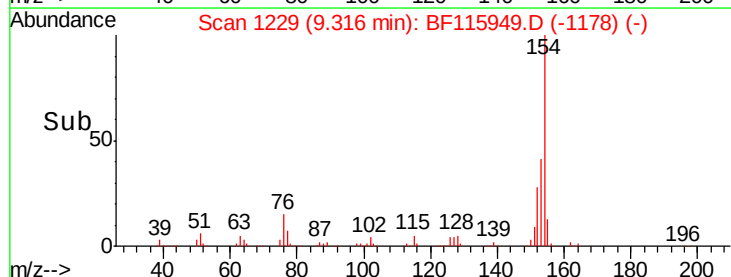
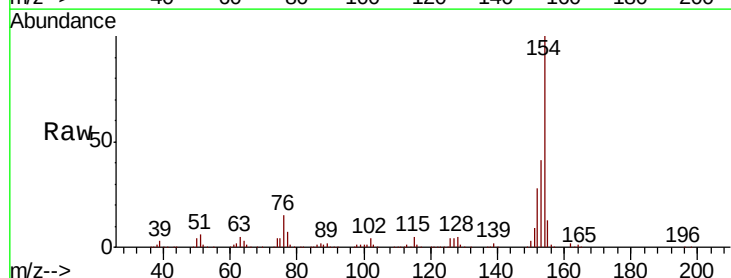
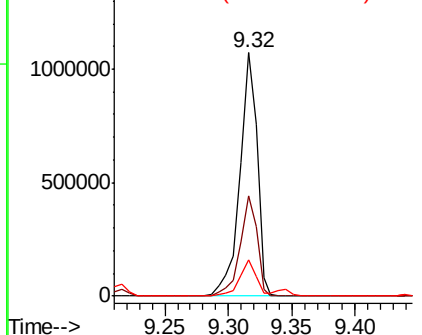
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.9	60.9
76	14.7	0.0	34.3

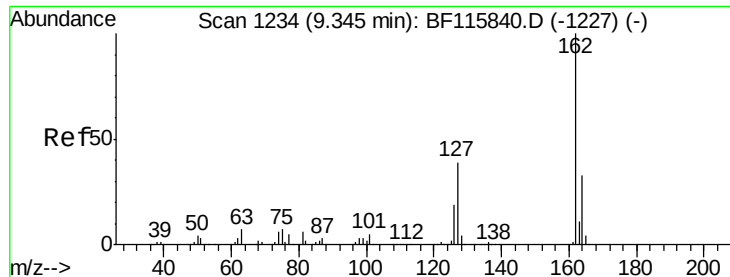
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





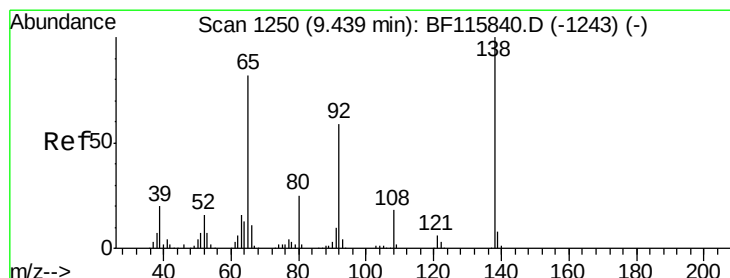
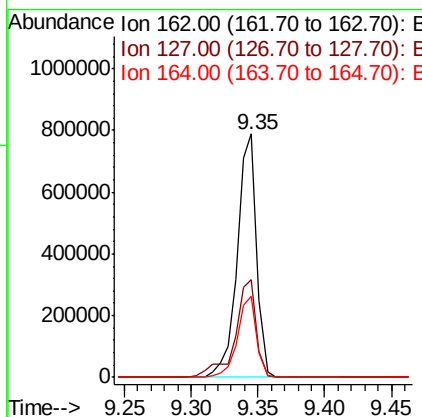
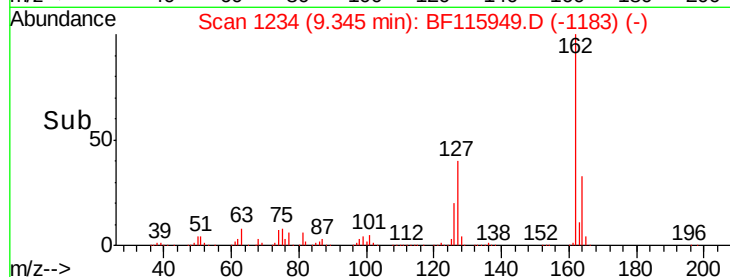
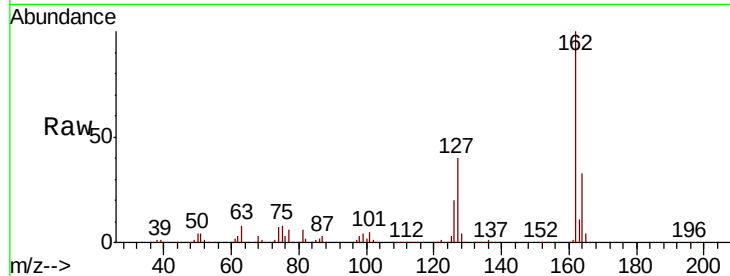
#47
 2-Chloronaphthalene
 Concen: 42.810 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.9	31.3	46.9		
164	33.5	26.6	40.0		

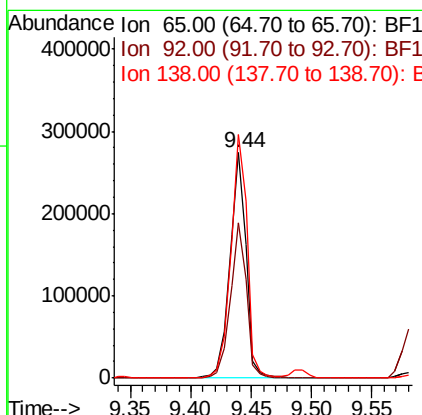
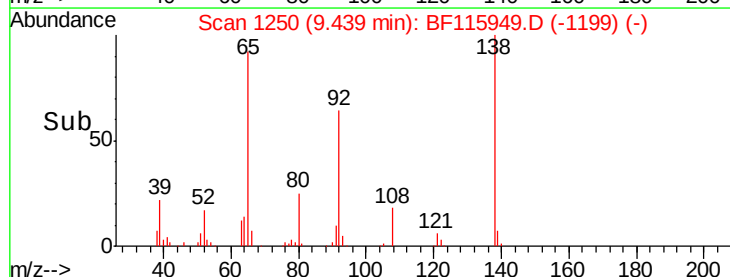
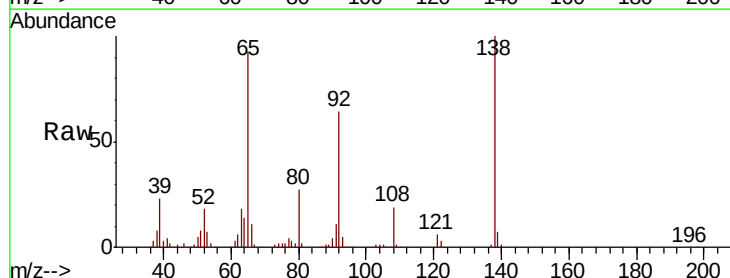
Manual Integrations
 APPROVED

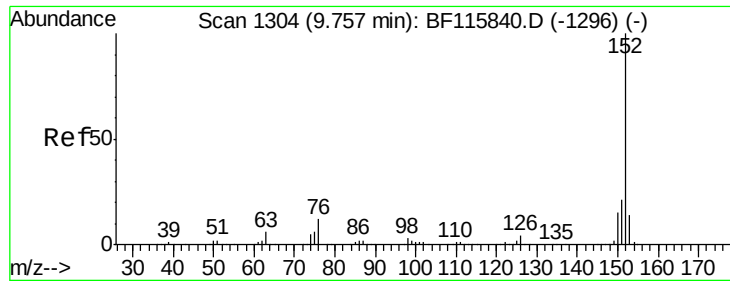
mohammad
 8/8/2019 4:44:17 PM



#48
 2-Nitroaniline
 Concen: 41.356 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	68.8	57.1	85.7		
138	108.1	97.1	145.7		





#49

Acenaphthylene

Concen: 44.785 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

ClientSampleId :

PB121932BS

Tot Ion:152 Resp: 1216266

Ion Ratio Lower Upper

152 100

151 21.4 16.8 25.2

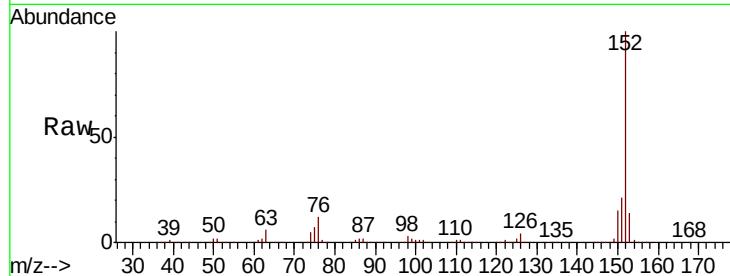
153 14.2 11.6 17.4

Manual Integrations

APPROVED

mohammad

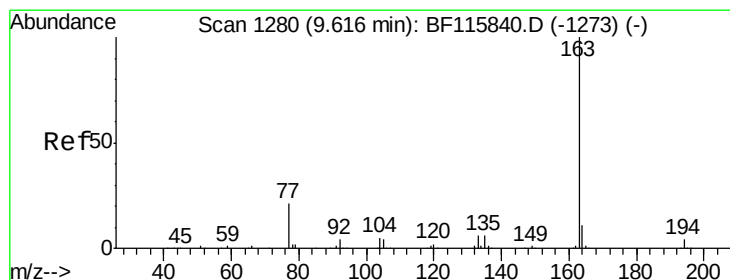
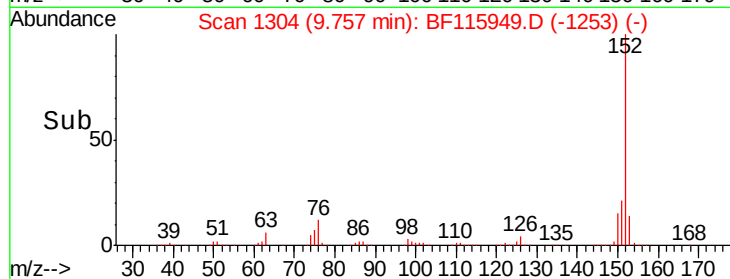
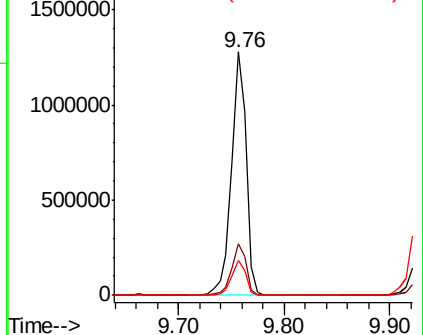
8/8/2019 4:44:17 PM



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: 43.102 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

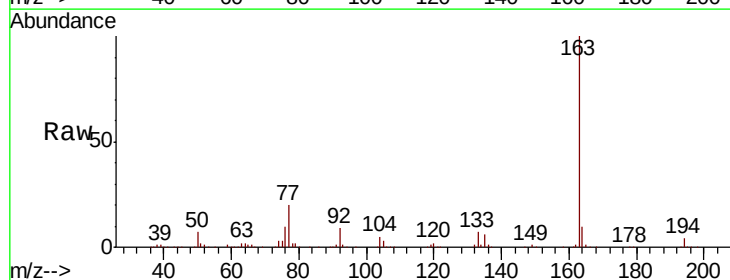
Tgt Ion:163 Resp: 929733

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

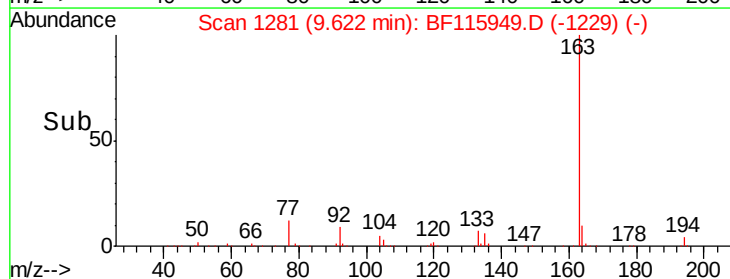
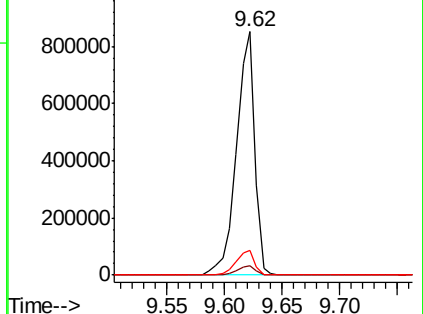
164 10.2 8.4 12.6

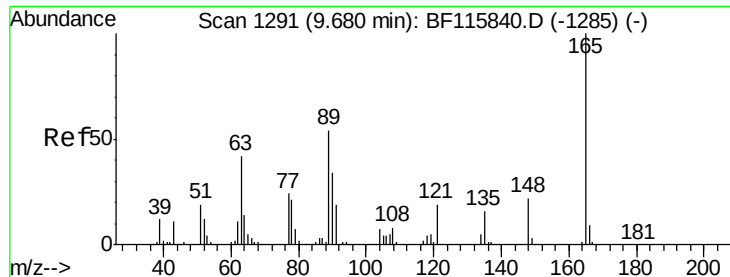


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 44.313 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

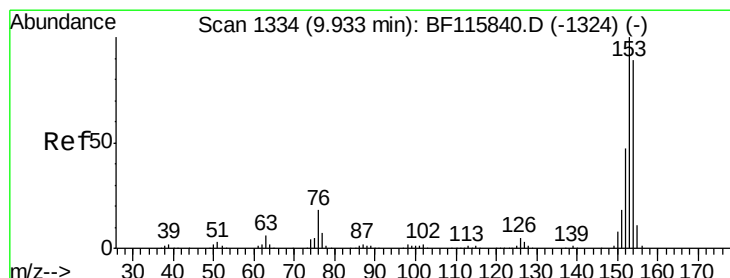
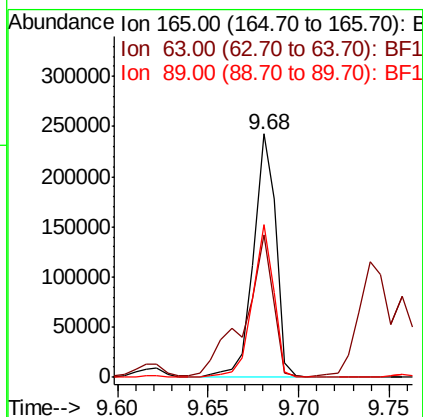
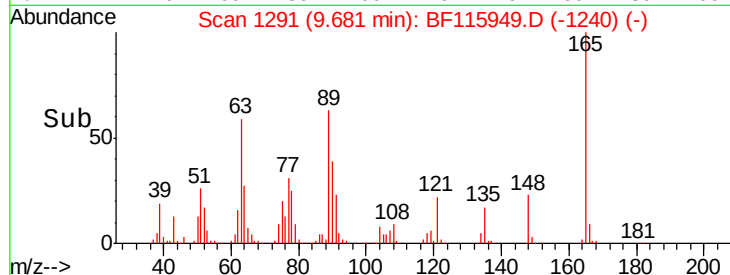
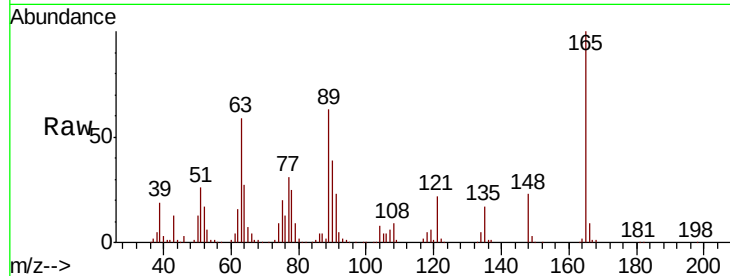
ClientSampleId :

PB121932BS

Tot Ion:	165	Resp:	207721
Ion Ratio	Lower	Upper	
165	100		
63	58.6	39.4	59.2
89	62.7	43.0	64.6

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



#52

Acenaphthene

Concen: 43.237 ng

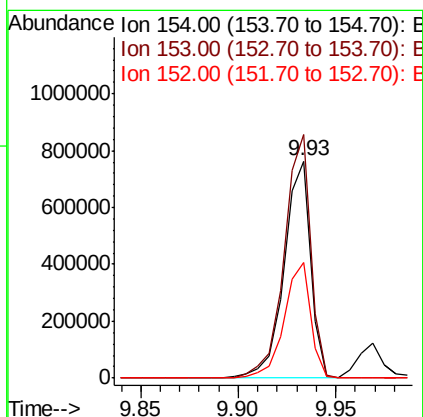
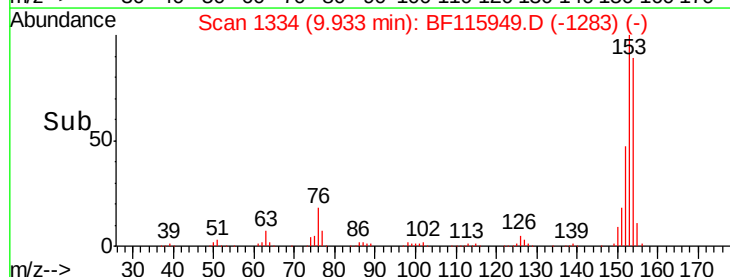
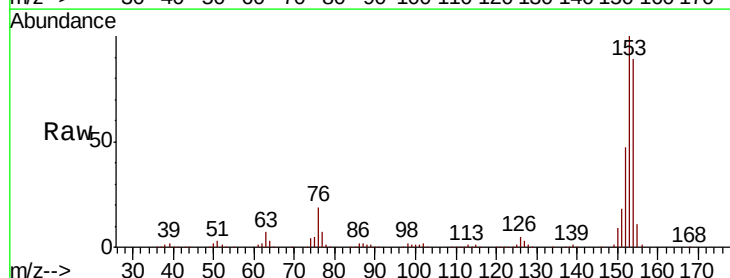
RT: 9.93 min Scan# 1334

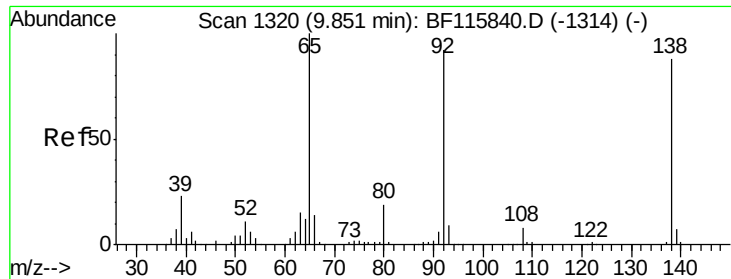
Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion:	154	Resp:	720363
Ion Ratio	Lower	Upper	
154	100		
153	112.1	90.1	135.1
152	53.1	42.6	63.8





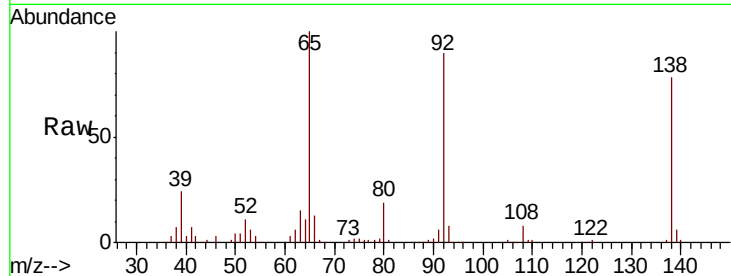
#53
3-Nitroaniline
Concen: 29.602 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.4	11.2
92	115.8	83.9	125.9

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

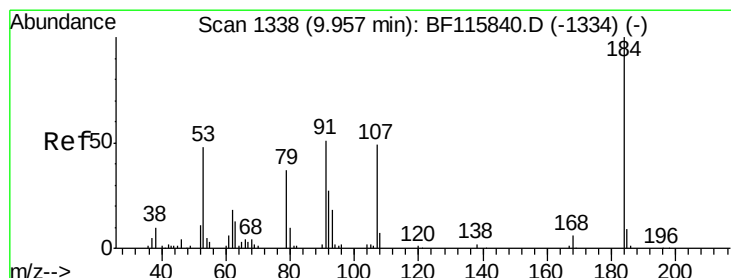
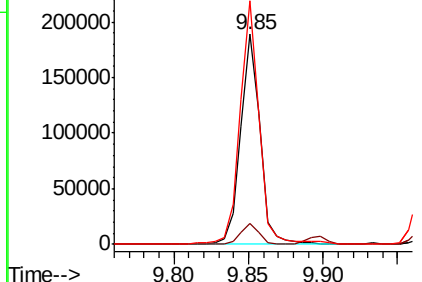
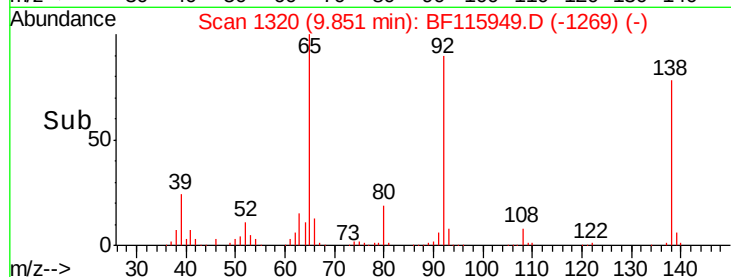


Abundance

Ion 138.00 (137.70 to 138.70): E

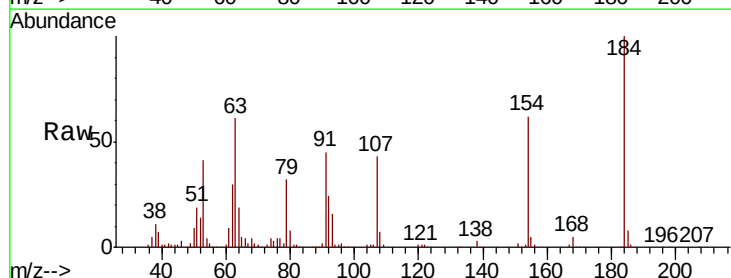
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 77.296 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.2	56.7	85.1
154	62.0	51.9	77.9

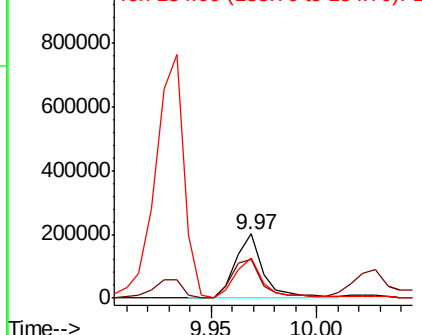
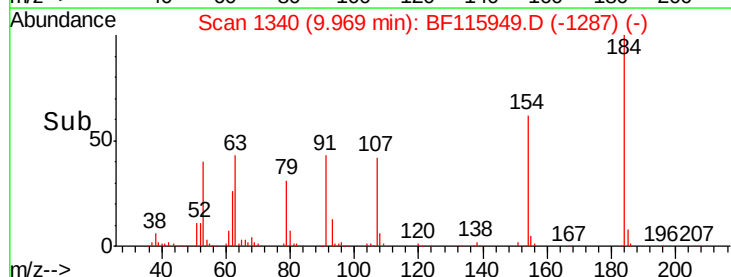


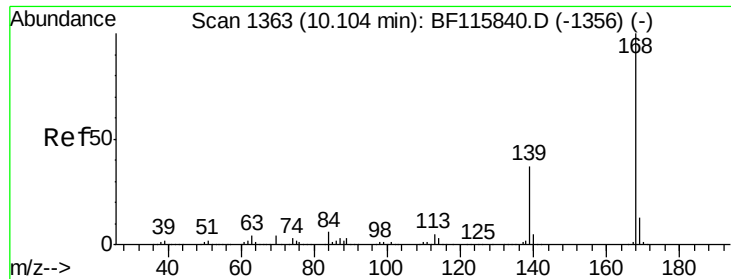
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 44.366 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

ClientSampleId :

PB121932BS

Tot Ion:168 Resp: 1074942

Ion Ratio Lower Upper

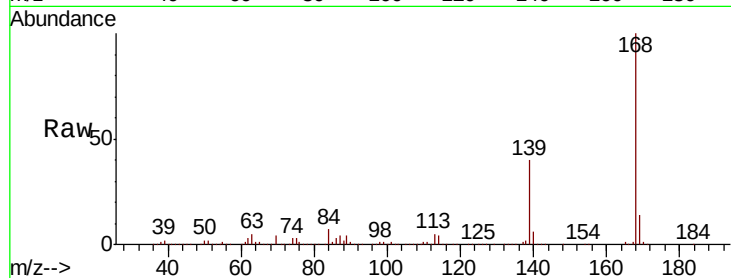
168 100

139 39.9 30.2 45.2

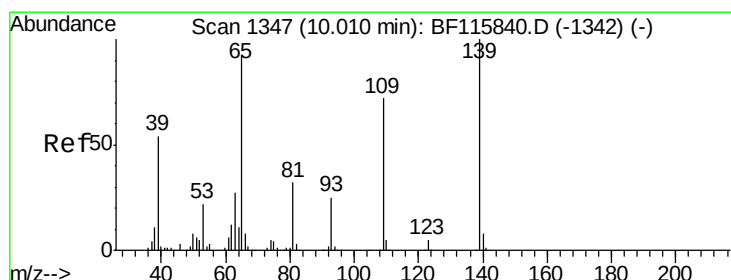
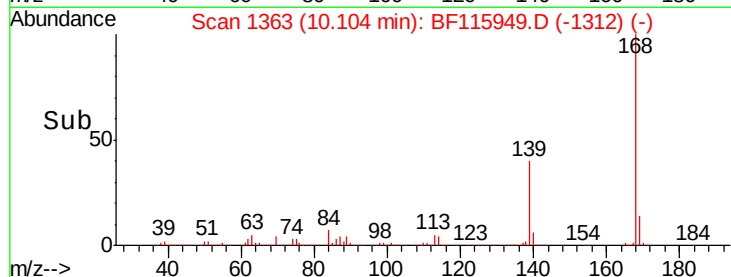
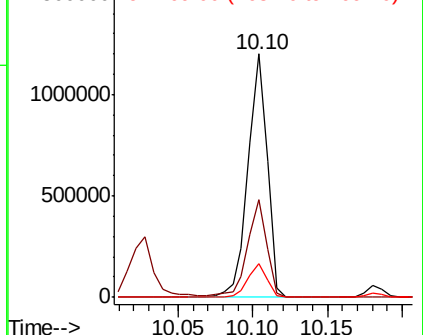
169 13.8 10.8 16.2

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 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: 88.505 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.02 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

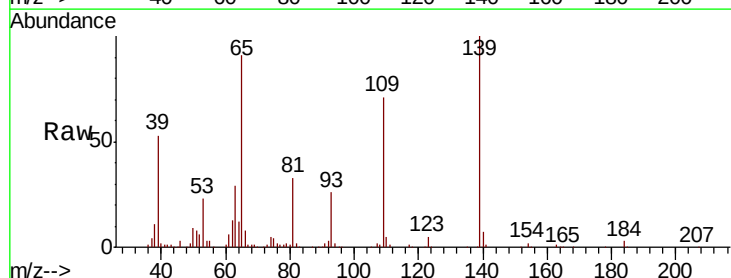
Tgt Ion:139 Resp: 328396

Ion Ratio Lower Upper

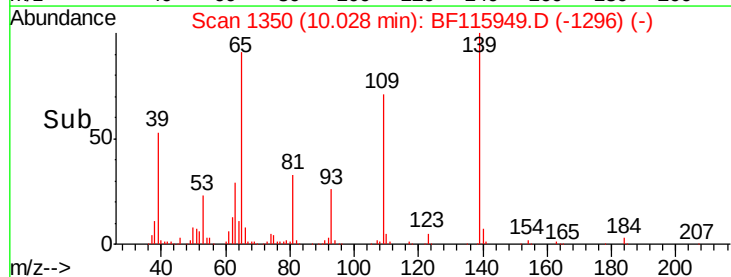
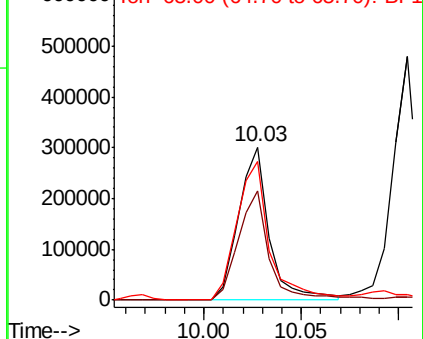
139 100

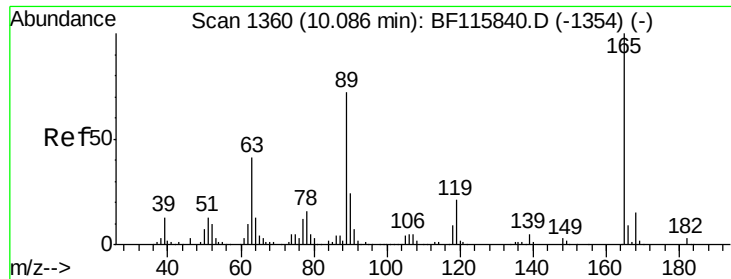
109 71.4 52.0 92.0

65 90.9 72.6 112.6



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: 43.512 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

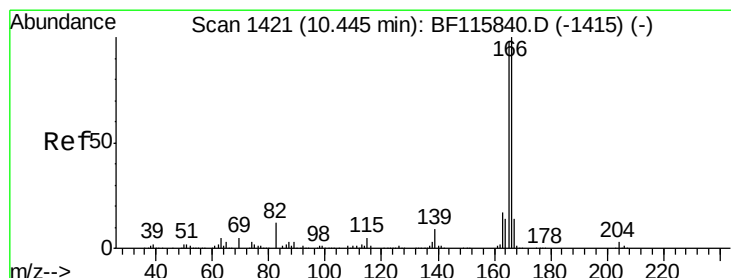
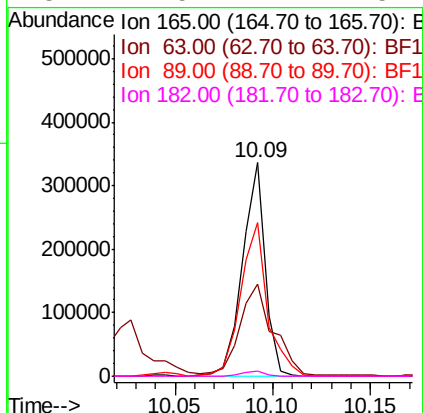
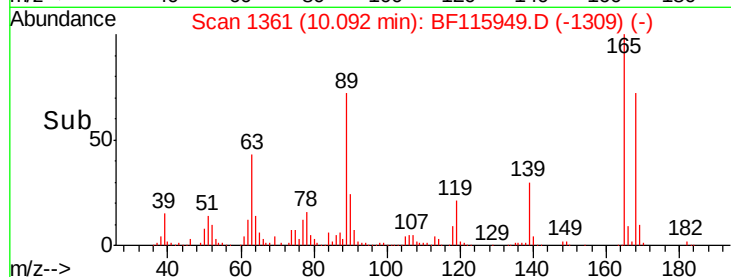
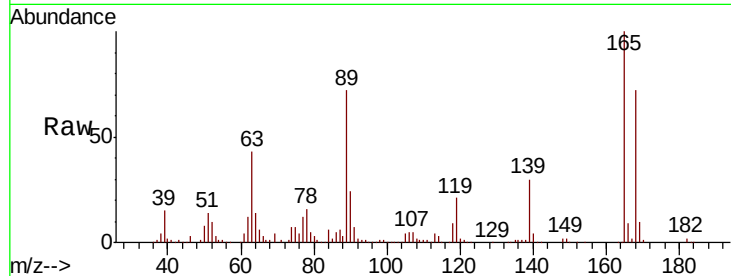
ClientSampleId :

PB121932BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	271569		
63	43.4		33.2	49.8
89	71.9		57.3	85.9
182	2.5		2.1	3.1

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



#58

Fluorene

Concen: 44.489 ng

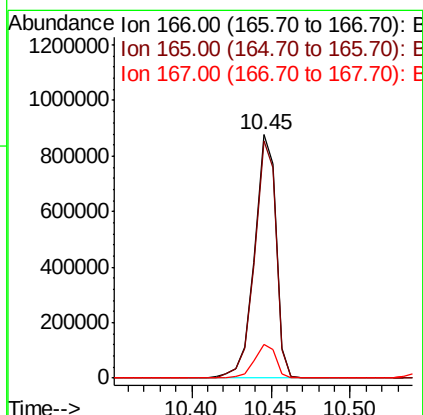
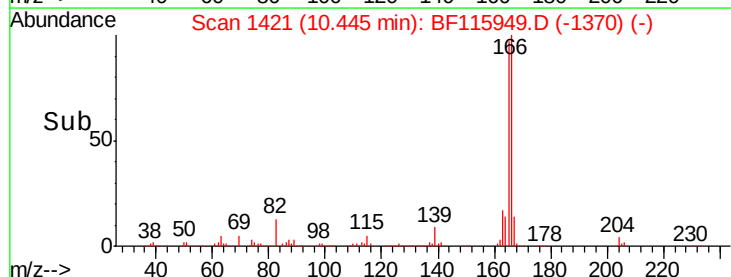
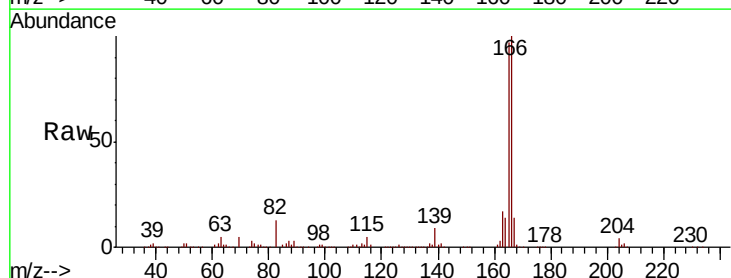
RT: 10.45 min Scan# 1421

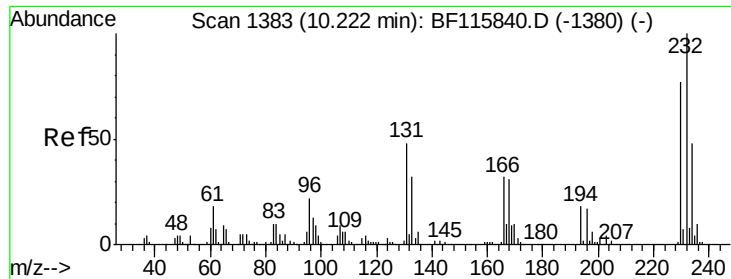
Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	829328		
165	97.2		78.6	118.0
167	13.7		10.9	16.3





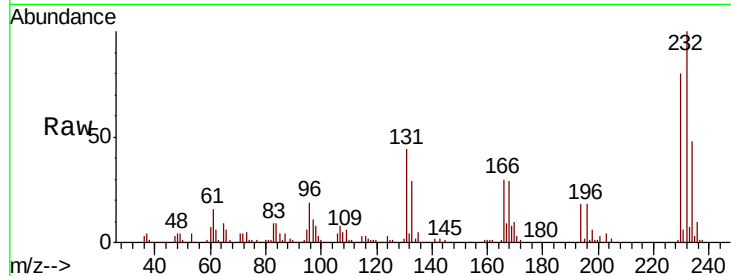
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.153 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

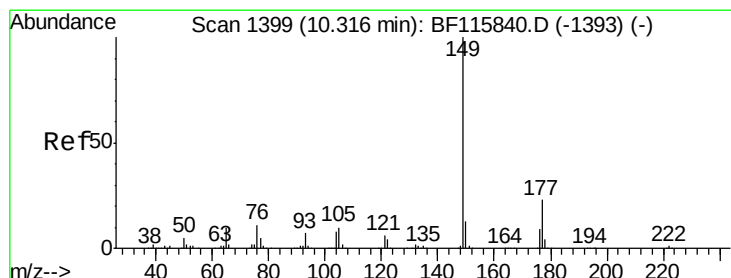
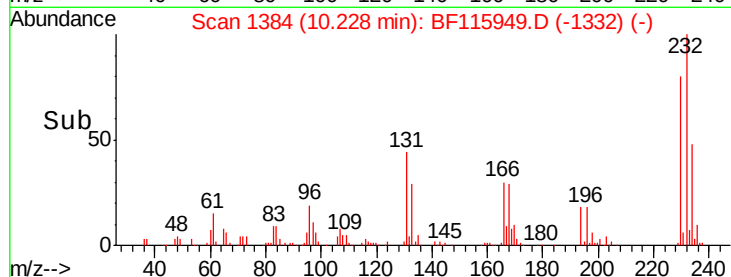
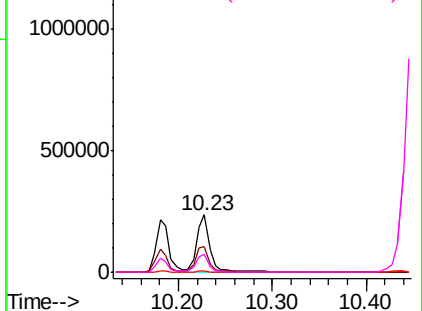
Tot Ion	Ratio	Resp	Lower	Upper
232	100	223845		
131	48.3		37.6	56.4
130	2.4		1.8	2.8
166	30.2		24.6	37.0

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

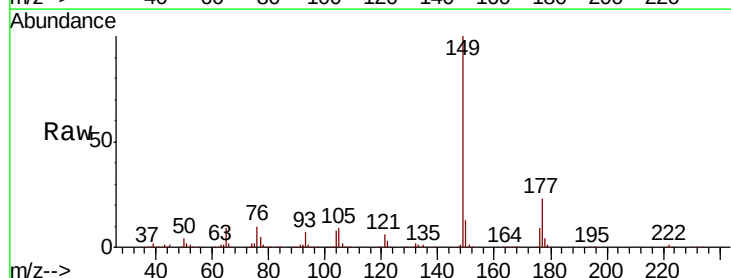


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

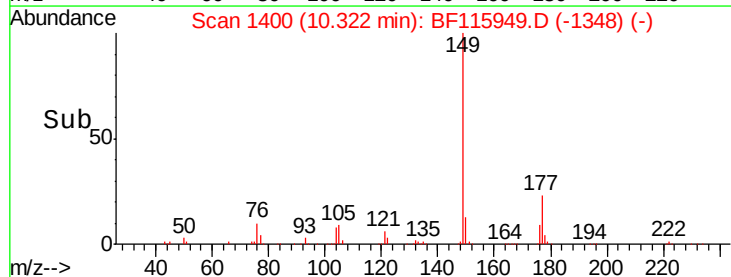
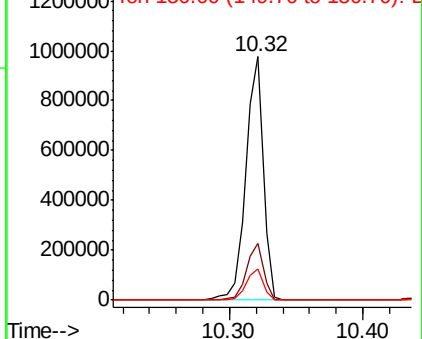


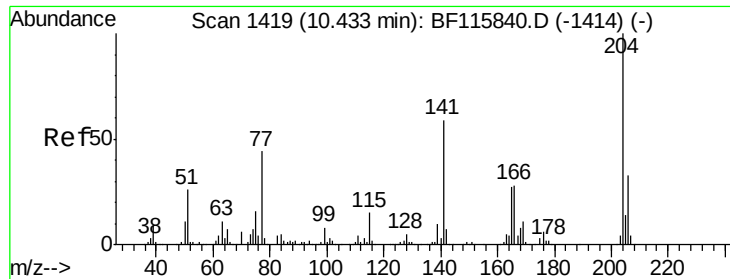
#60
Diethylphthalate
Concen: 43.414 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	874312		
177	23.2		18.4	27.6
150	12.8		10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





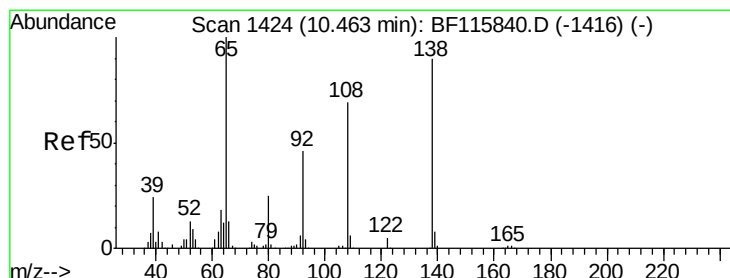
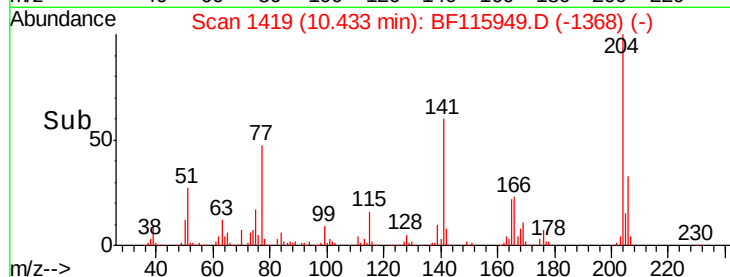
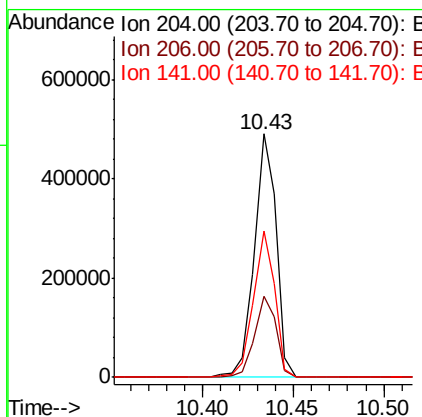
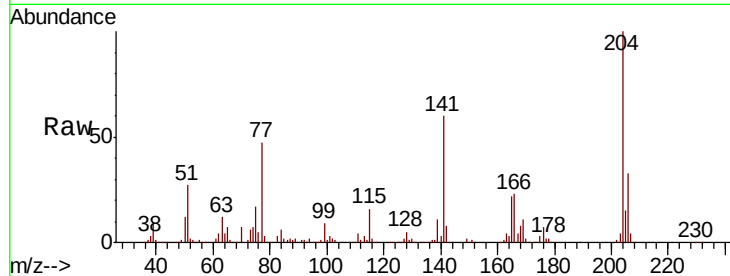
#61
4-Chlorophenyl-phenylether
Concen: 43.535 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.4	39.6
141	60.3	47.0	70.4

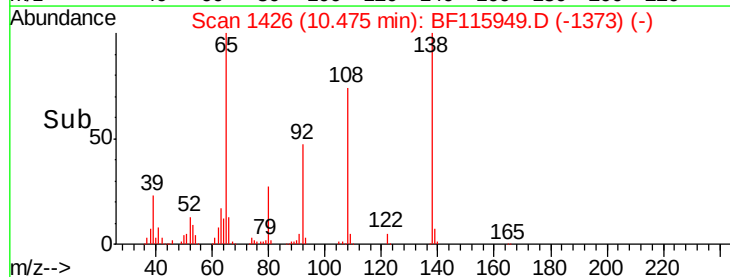
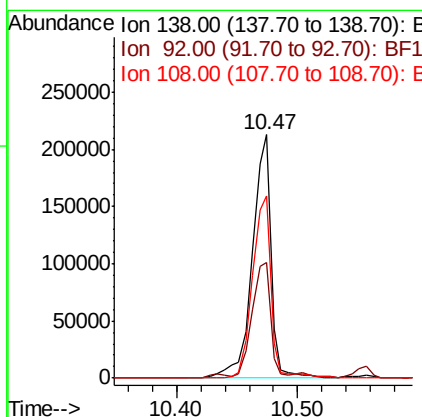
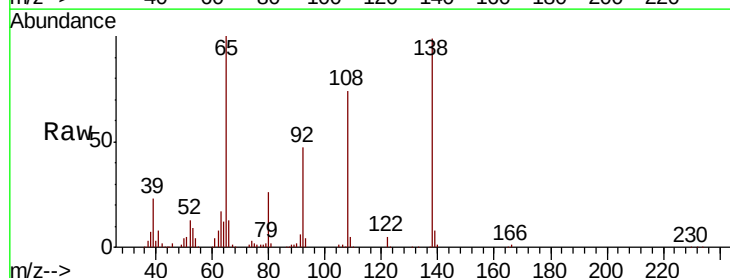
Manual Integrations
APPROVED

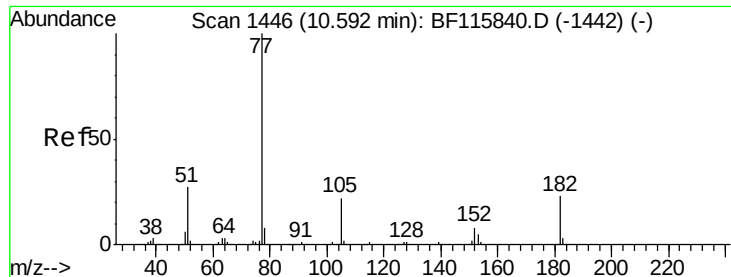
mohammad
8/8/2019 4:44:17 PM



#62
4-Nitroaniline
Concen: 38.869 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.6	31.0	71.0
108	74.8	56.7	96.7





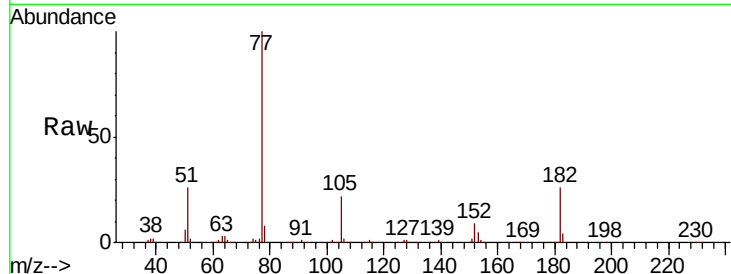
#63
Azobenzene
Concen: 44.361 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

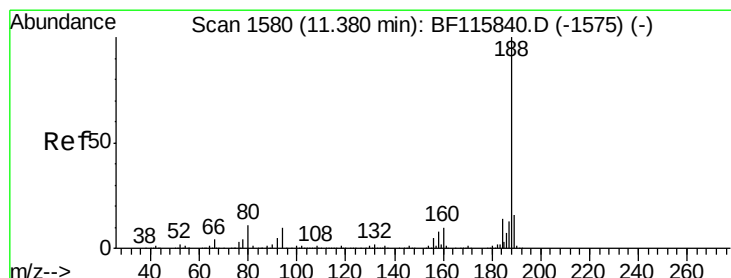
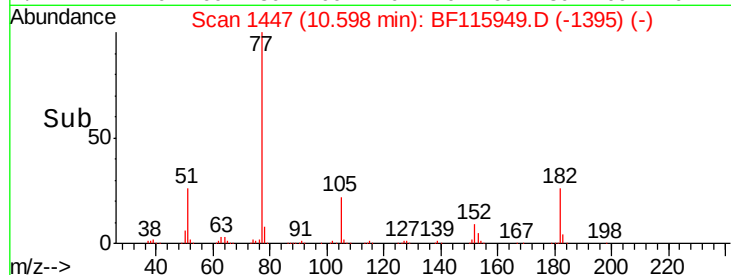
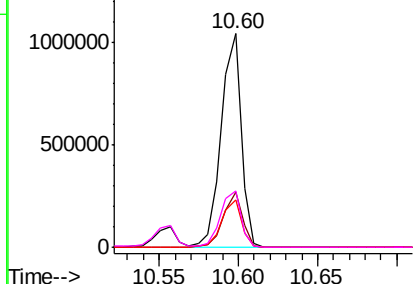
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		918896		
182	26.0	2.6	42.6		
105	22.1	1.6	41.6		
51	26.2	7.4	47.4		

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

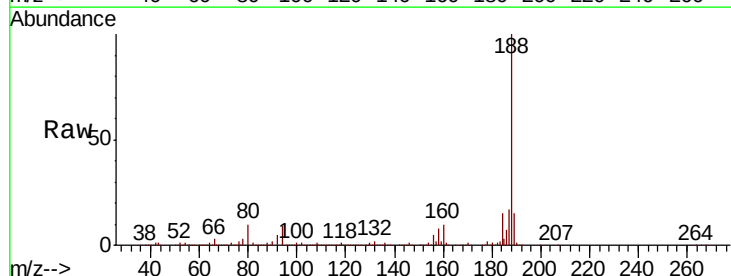


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

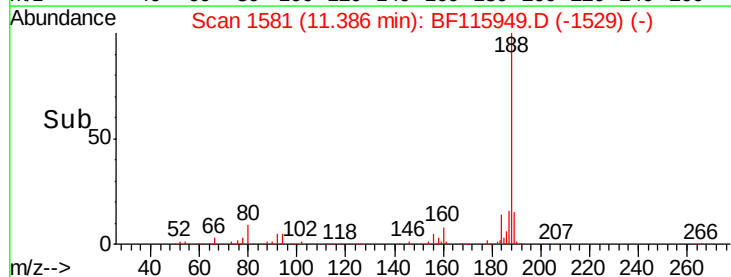
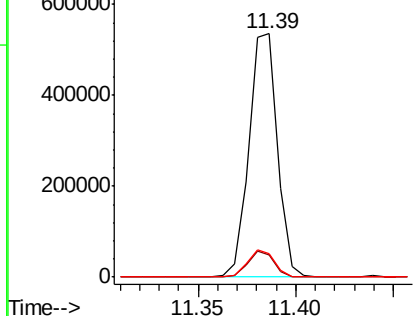


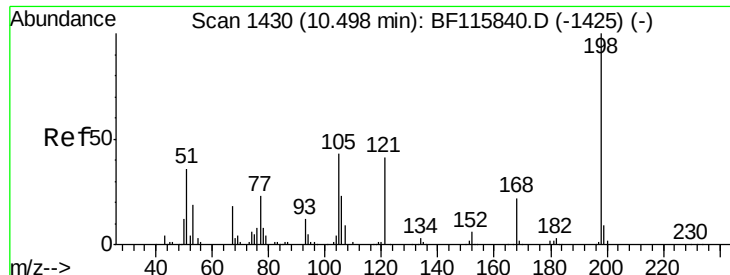
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		540709		
94	9.2	8.0	12.0		
80	9.7	8.6	12.8		



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





#65

4,6-Dinitro-2-methylphenol

Concen: 46.050 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

ClientSampleId :

PB121932BS

Tot Ion:198 Resp: 131951

Ion Ratio Lower Upper

198 100

51 44.5 21.1 61.1

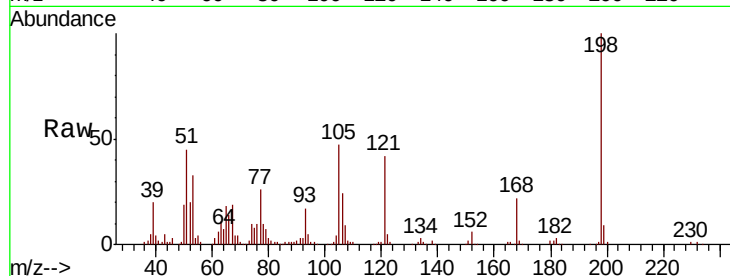
105 46.8 24.5 64.5

Manual Integrations

APPROVED

mohammad

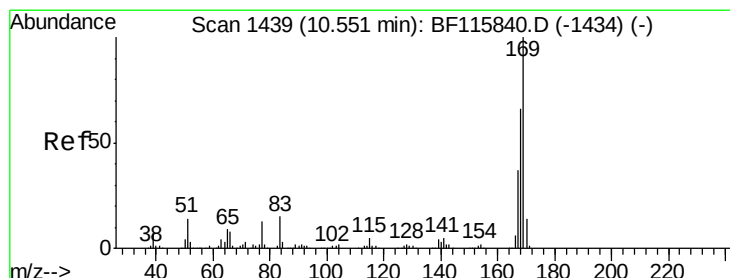
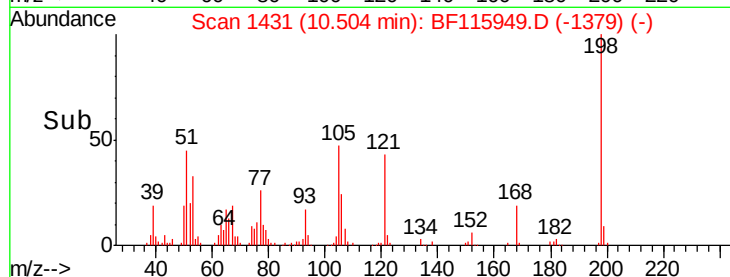
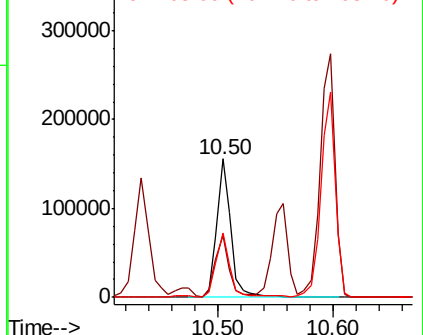
8/8/2019 4:44:17 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.270 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

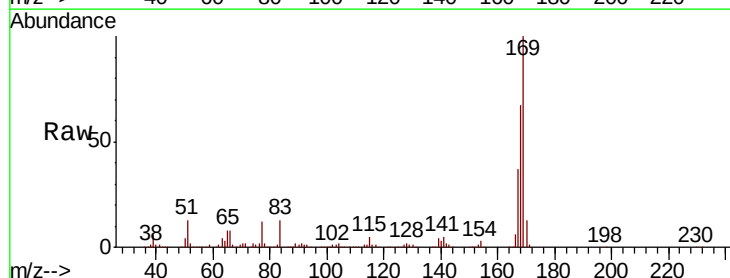
Tgt Ion:169 Resp: 736758

Ion Ratio Lower Upper

169 100

168 67.1 53.0 79.6

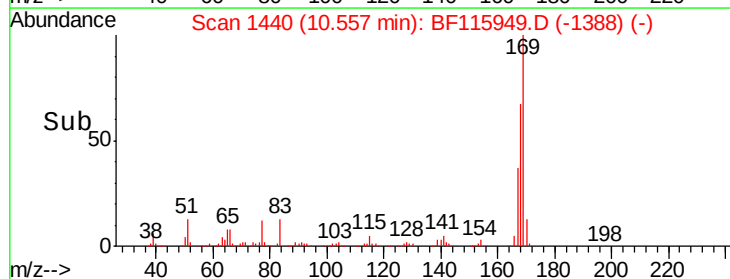
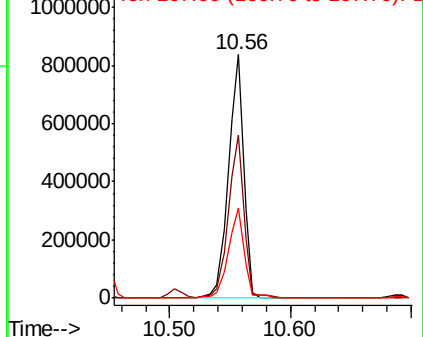
167 37.1 29.9 44.9

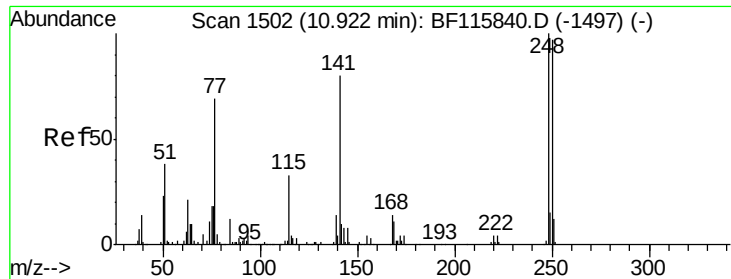


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





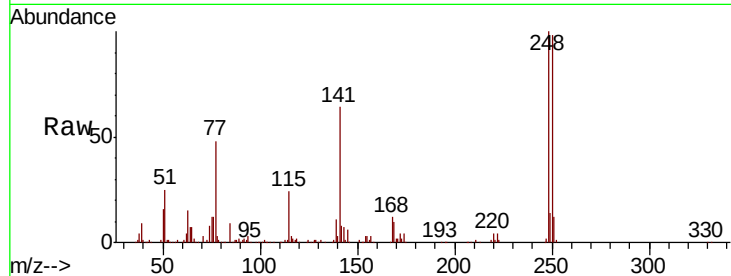
#67
4-Bromophenyl-phenylether
Concen: 44.164 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.8	116.6
141	64.5	64.3	96.5

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

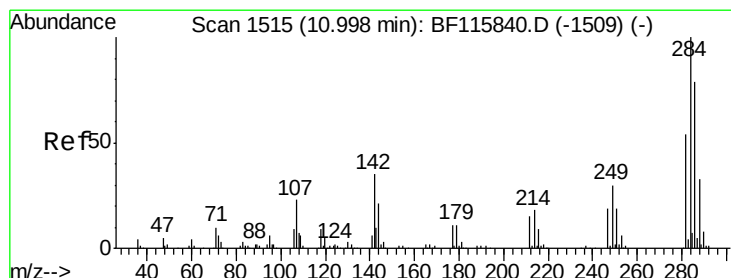
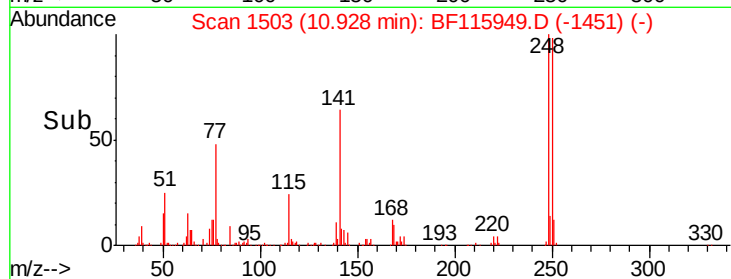
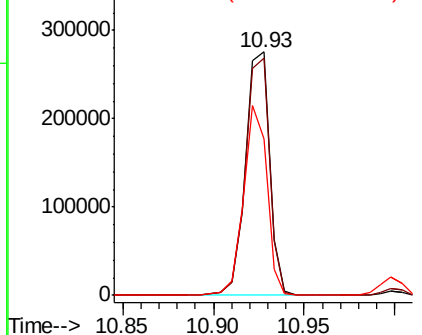


Abundance

Ion 248.00 (247.70 to 248.70): E

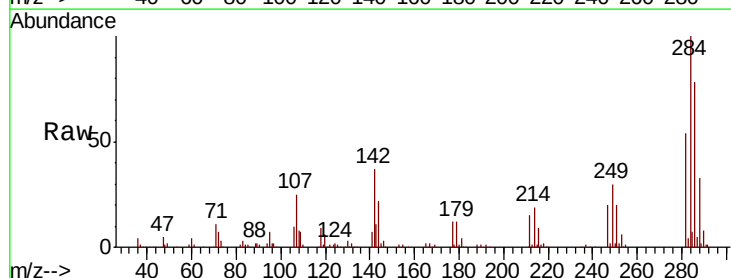
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.772 ng
RT: 11.00 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.4	28.2	42.2
249	30.5	24.0	36.0

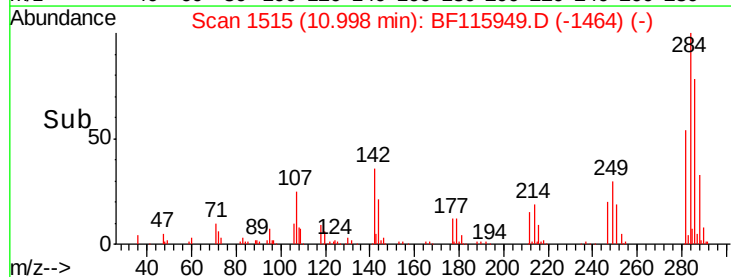
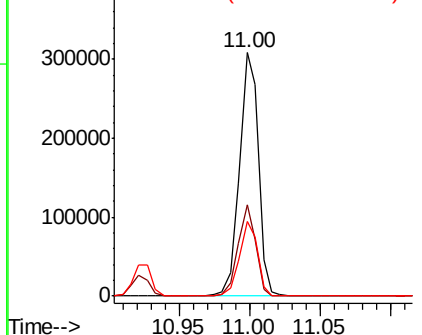


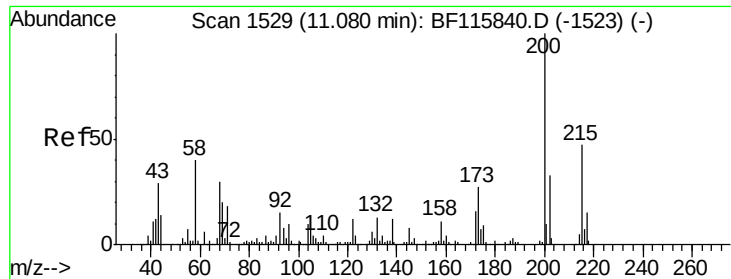
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 43.735 ng

RT: 11.08 min Scan# 1529

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

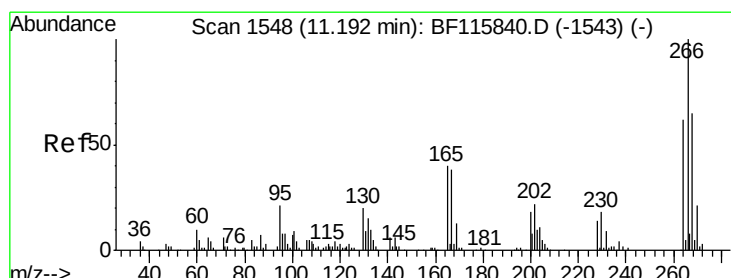
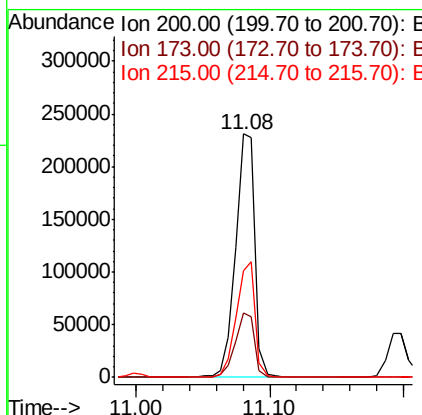
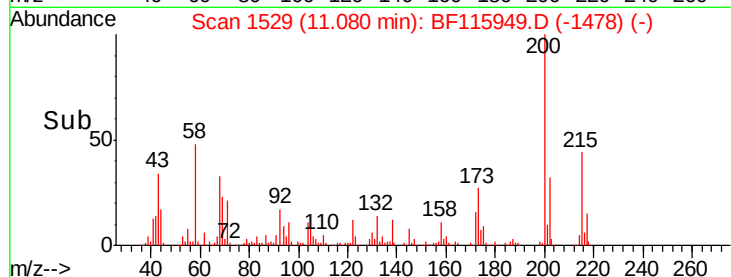
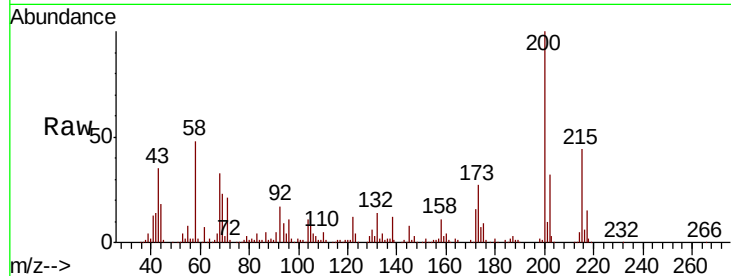
ClientSampleId :

PB121932BS

Tot Ion:	200	Resp:	234159
Ion Ratio	Lower	Upper	
200	100		
173	26.7	7.3	47.3
215	44.0	26.9	66.9

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



#70

Pentachlorophenol

Concen: 86.354 ng

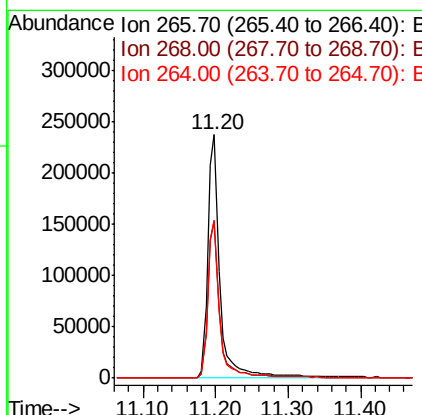
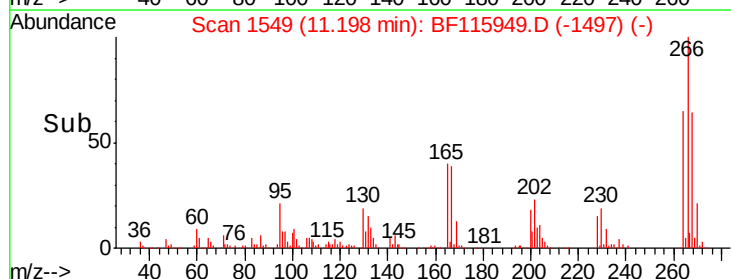
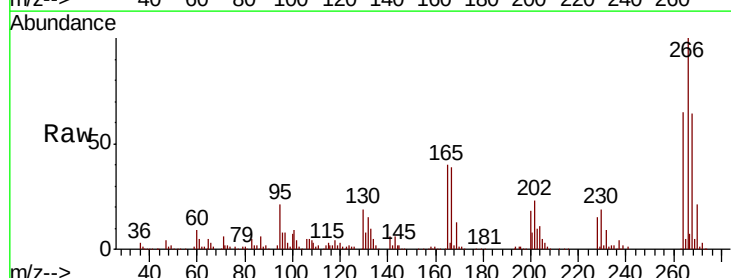
RT: 11.20 min Scan# 1549

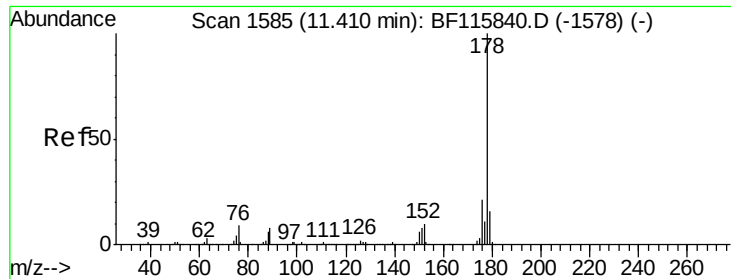
Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion:	266	Resp:	280610
Ion Ratio	Lower	Upper	
266	100		
268	64.3	51.6	77.4
264	64.9	49.4	74.0





#71

Phenanthrene

Concen: 43.893 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

ClientSampleId :

PB121932BS

Tot Ion:178 Resp: 1213304

Ion Ratio Lower Upper

178 100

176 20.9 16.5 24.7

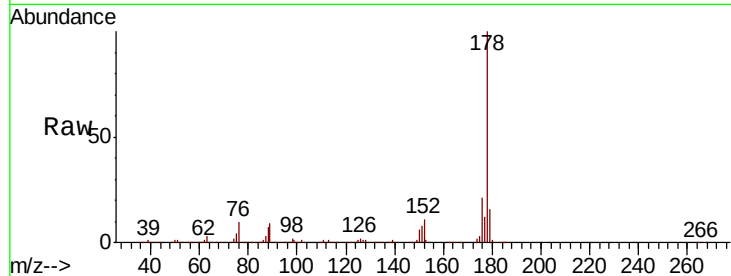
179 16.2 12.6 18.8

Manual Integrations

APPROVED

mohammad

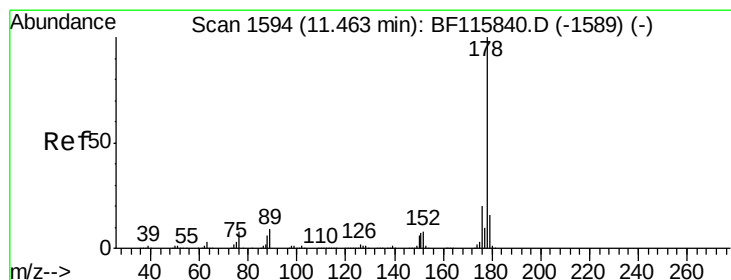
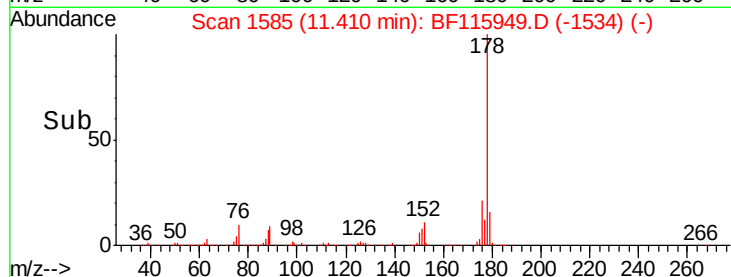
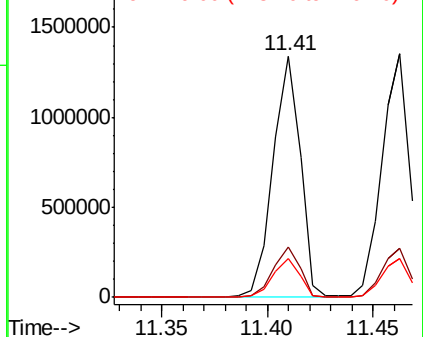
8/8/2019 4:44:17 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.646 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion:178 Resp: 1248990

Ion Ratio Lower Upper

178 100

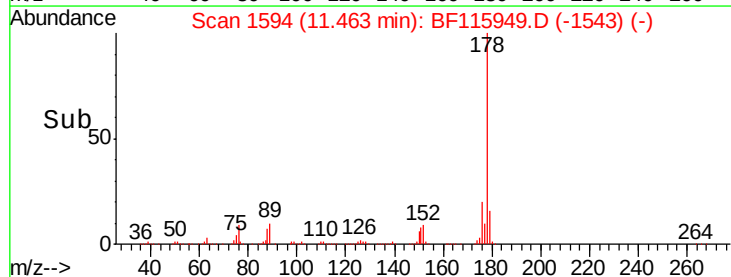
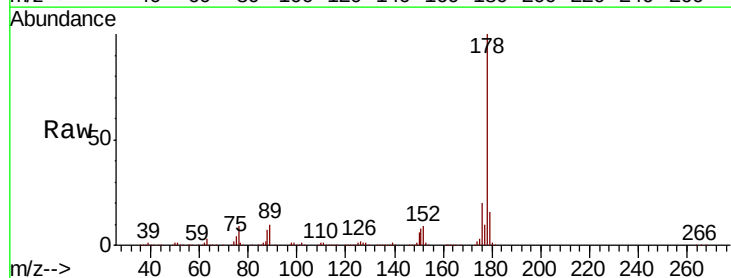
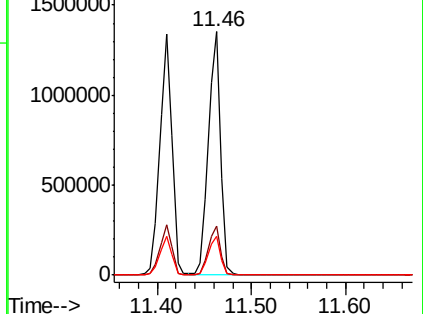
176 20.2 15.7 23.5

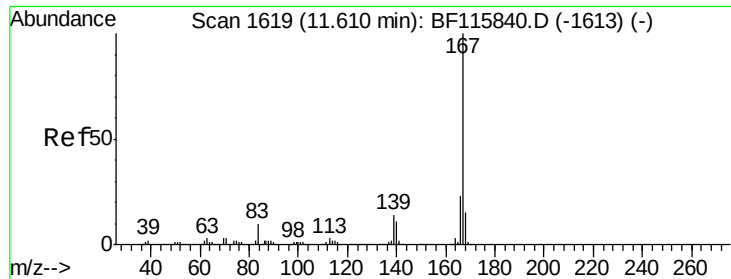
179 15.9 12.4 18.6

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





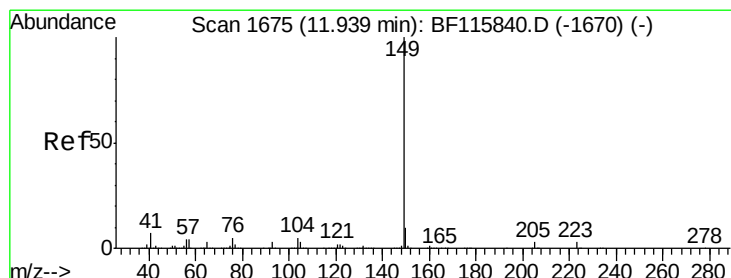
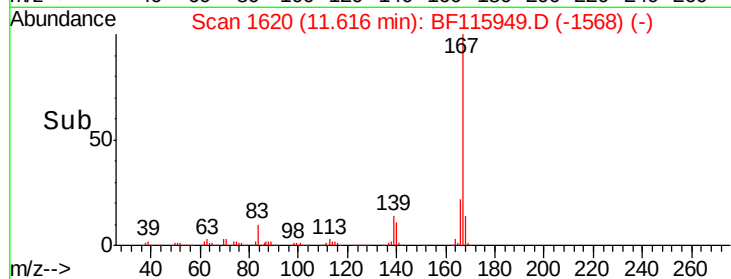
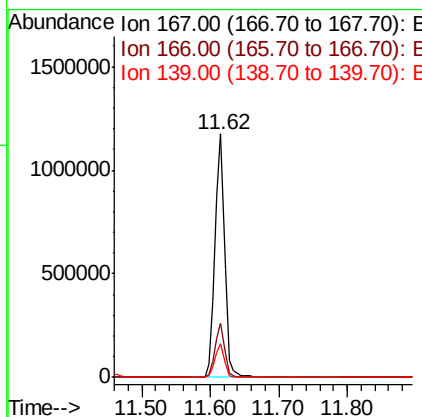
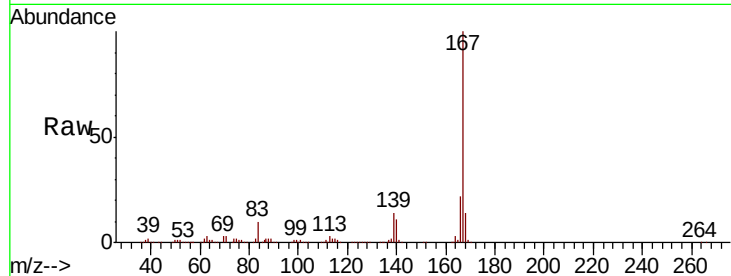
#73
 Carbazole
 Concen: 44.437 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Tot Ion:167 Resp: 1127833
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.0 27.0
 139 13.8 11.4 17.2

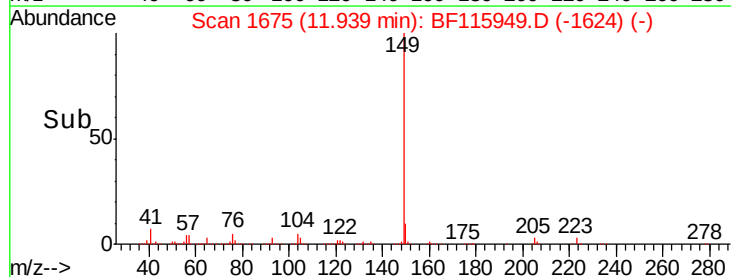
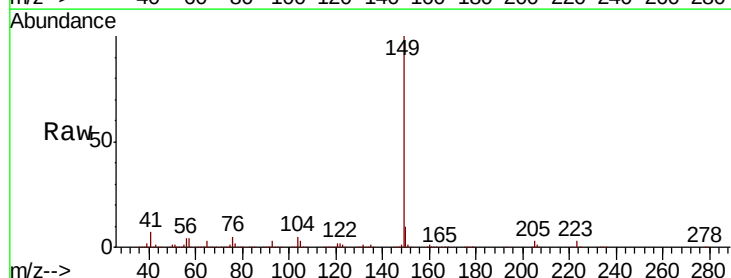
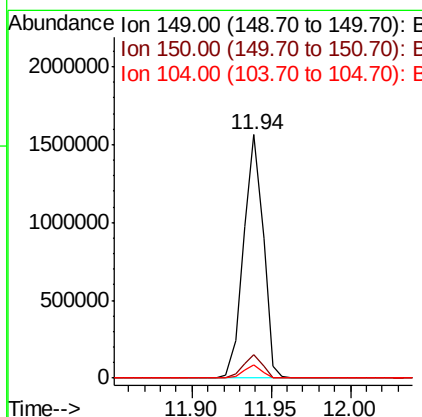
Manual Integrations
 APPROVED

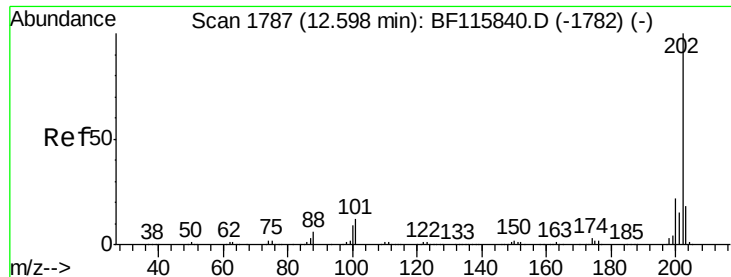
mohammad
 8/8/2019 4:44:17 PM



#74
 Di-n-butylphthalate
 Concen: 45.254 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion:149 Resp: 1339844
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.7 11.5
 104 5.4 4.3 6.5





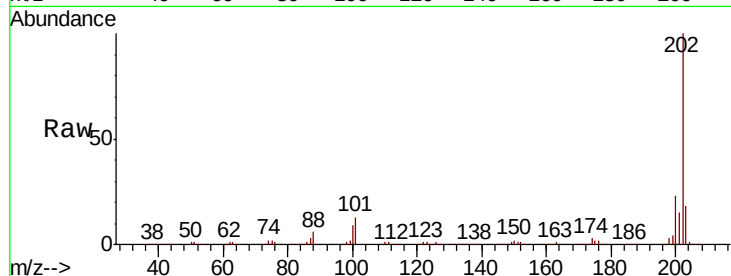
#75
 Fluoranthene
 Concen: 43.576 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1261026		
101	12.6		0.0	31.5
203	18.1		0.0	37.9

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:44:17 PM

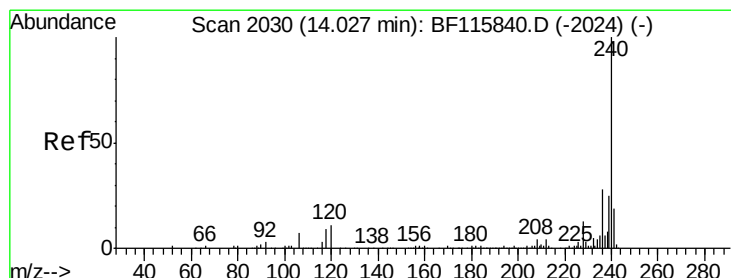
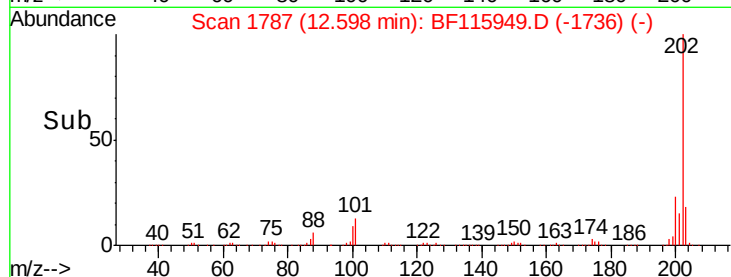
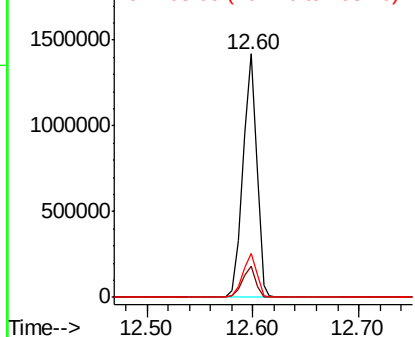


Abundance

Ion 202.00 (201.70 to 202.70): E

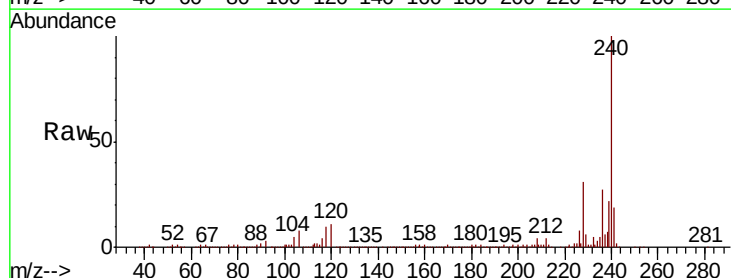
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	388743		
120	11.3		8.5	12.7
236	27.5		22.2	33.2

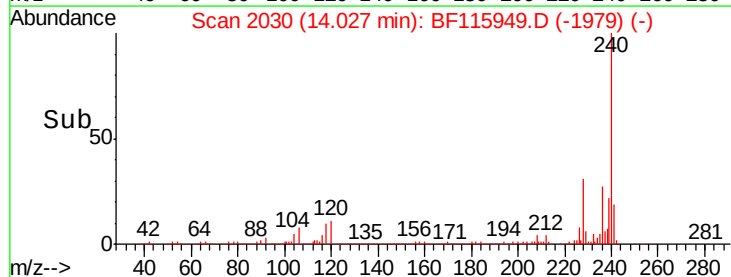
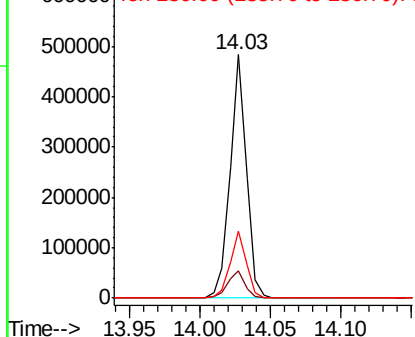


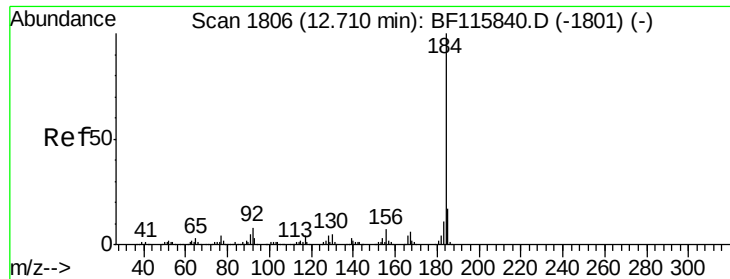
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 37.075 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

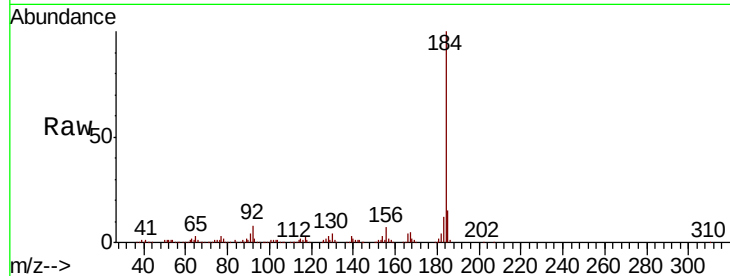
ClientSampleId :

PB121932BS

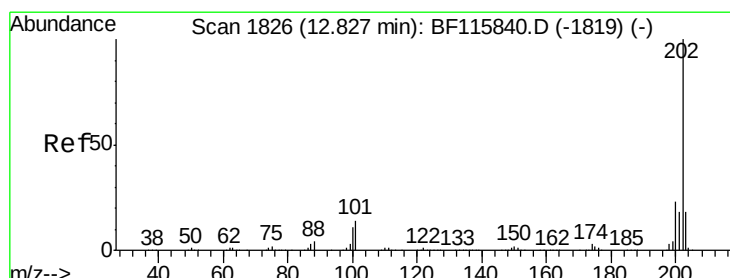
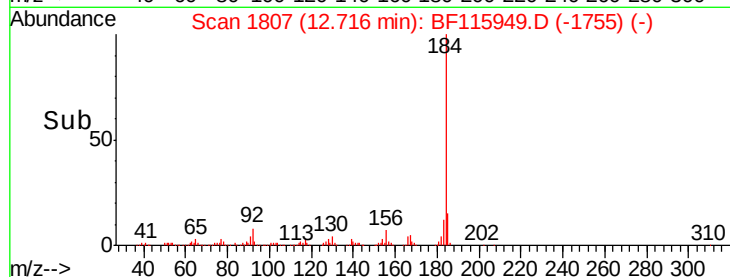
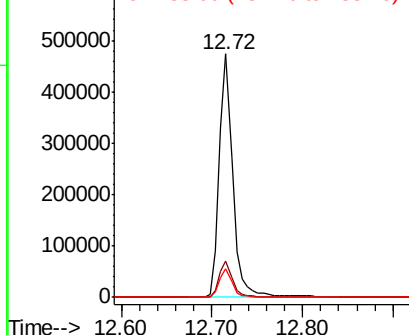
Tot Ion:	184	Resp:	486925
Ion Ratio	Lower	Upper	
184	100		
185	14.7	13.4	20.2
183	11.6	9.1	13.7

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.767 ng

RT: 12.83 min Scan# 1826

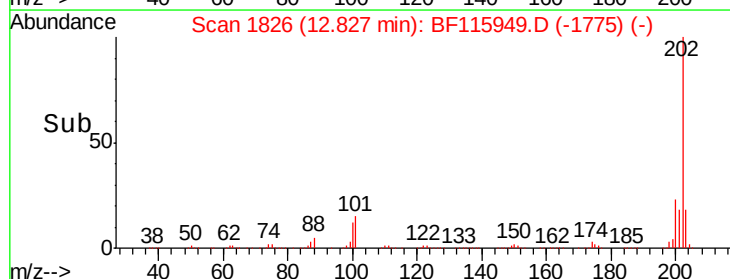
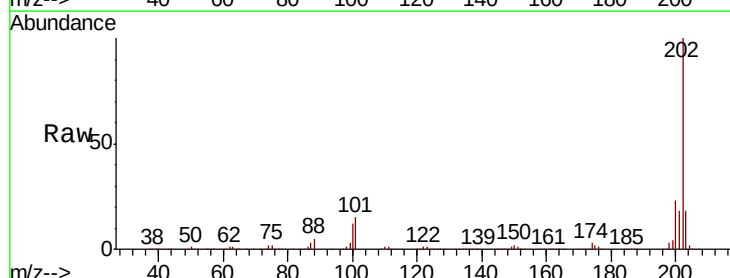
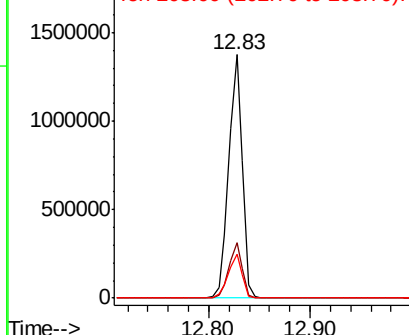
Delta R.T. 0.00 min

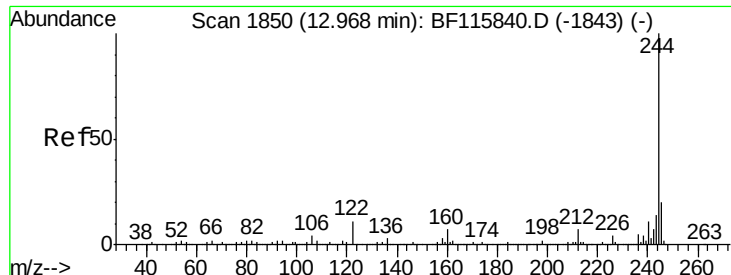
Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion:	202	Resp:	1282544
Ion Ratio	Lower	Upper	
202	100		
200	22.8	18.2	27.2
203	18.2	14.3	21.5

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





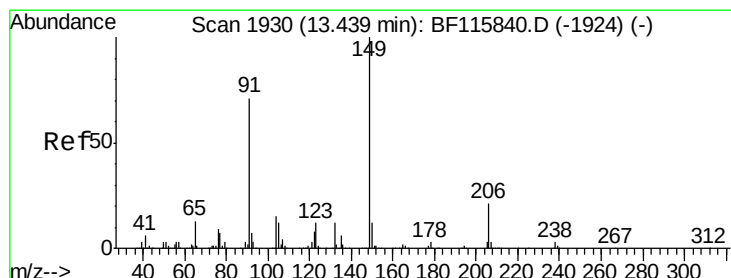
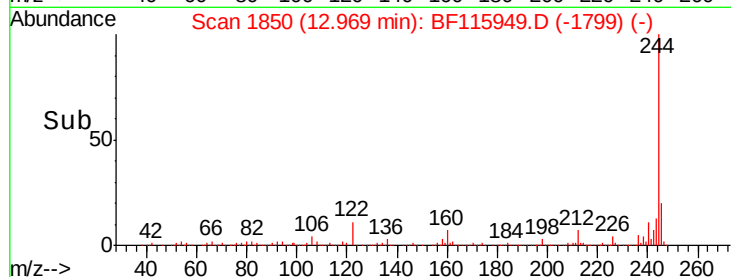
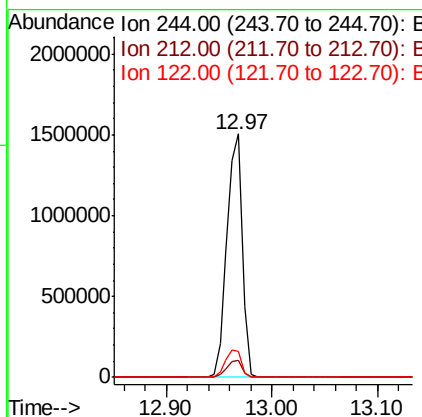
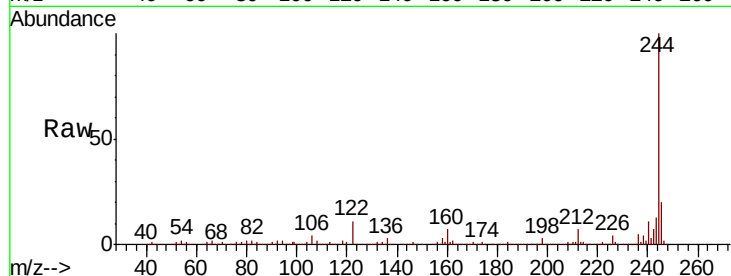
#79
 Terphenyl-d14
 Concen: 82.965 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.9	8.6	13.0

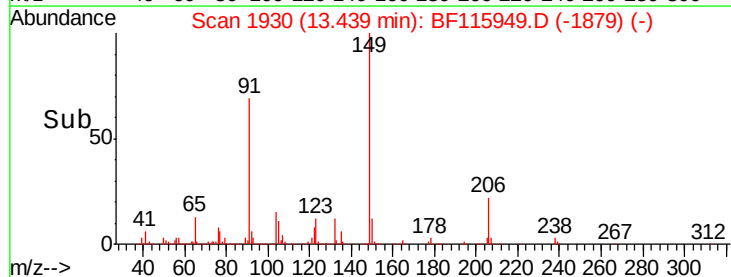
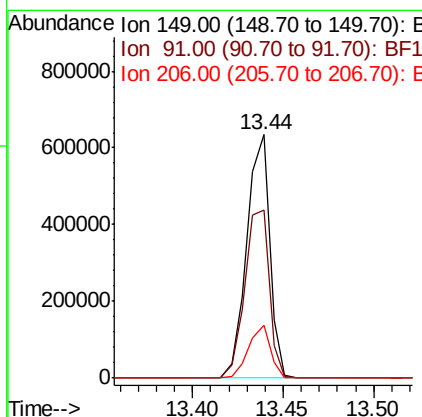
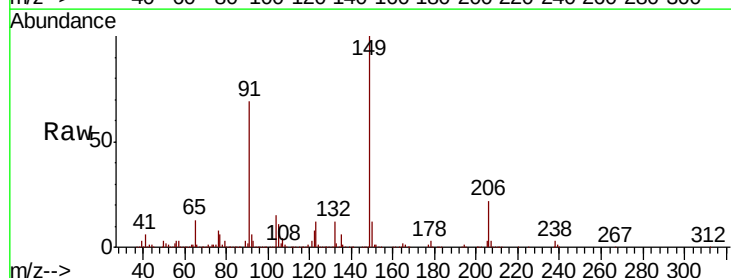
Manual Integrations
 APPROVED

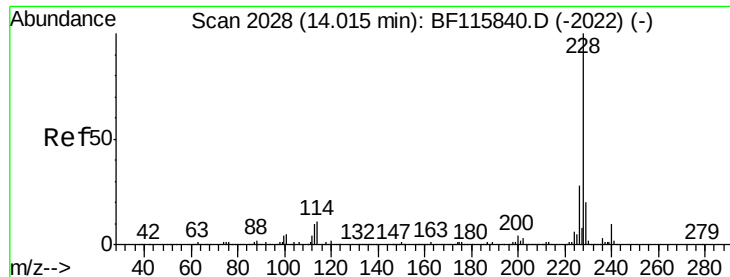
mohammad
 8/8/2019 4:44:17 PM



#80
 Butylbenzylphthalate
 Concen: 45.336 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.8	57.0	85.6
206	21.9	16.9	25.3





#81

Benzo(a)anthracene

Concen: 43.712 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

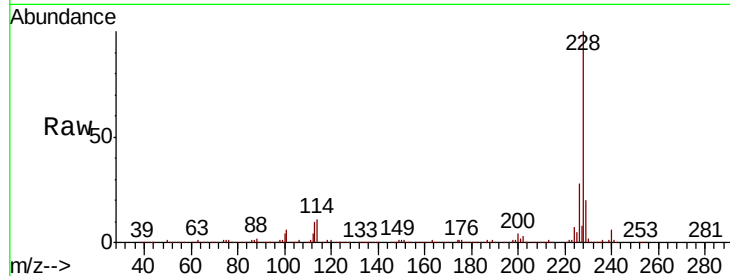
ClientSampleId :

PB121932BS

Tot Ion:	228	Resp:	1086103
Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	20.3	16.1	24.1

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

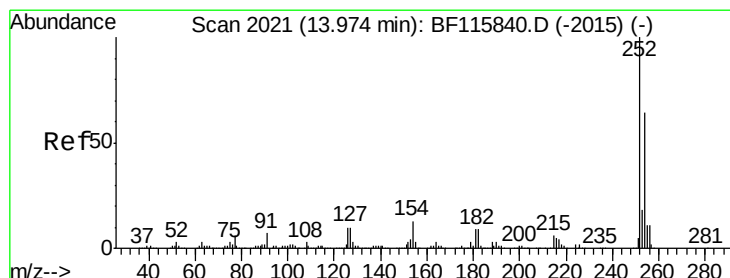
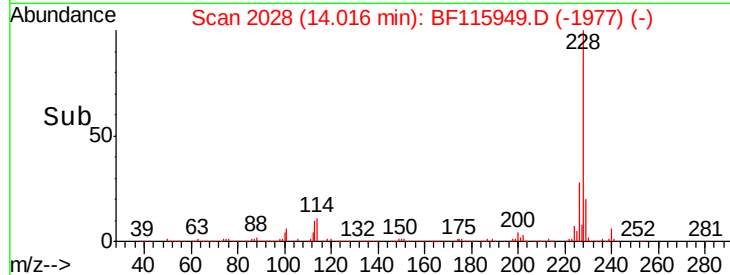
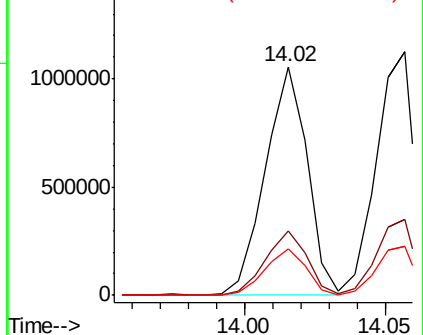


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 38.888 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

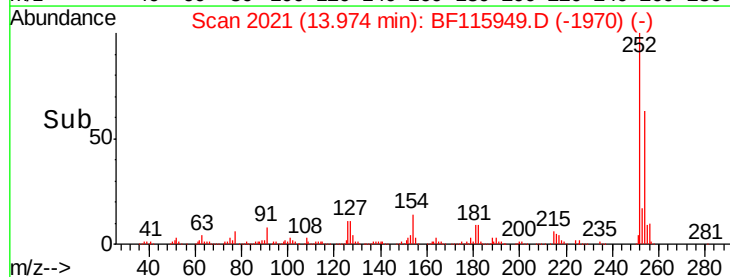
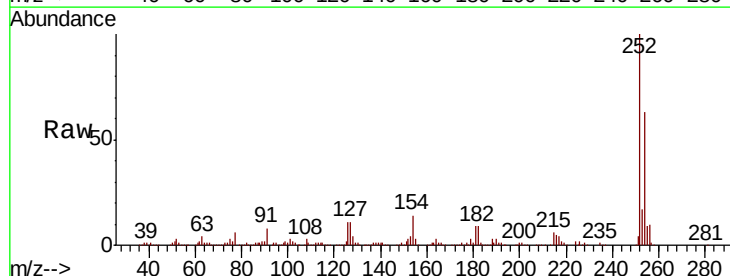
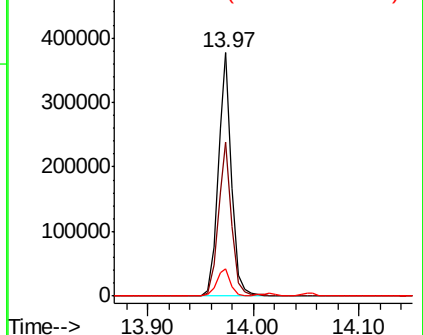
Tgt Ion:	252	Resp:	335695
Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.2	76.8
126	11.3	8.1	12.1

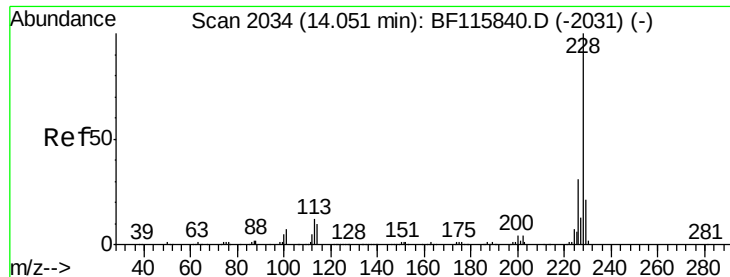
Abundance

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





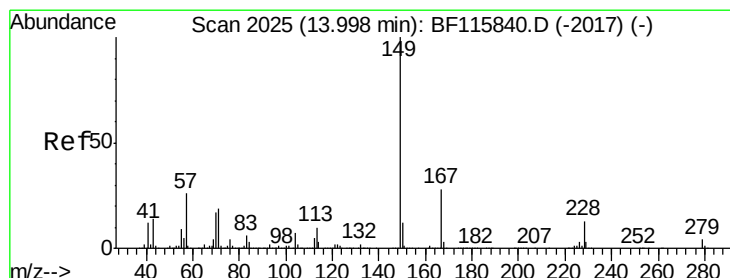
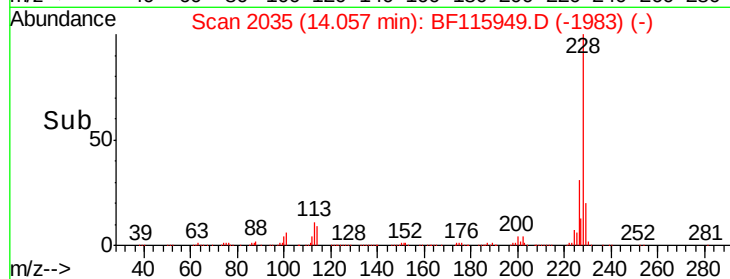
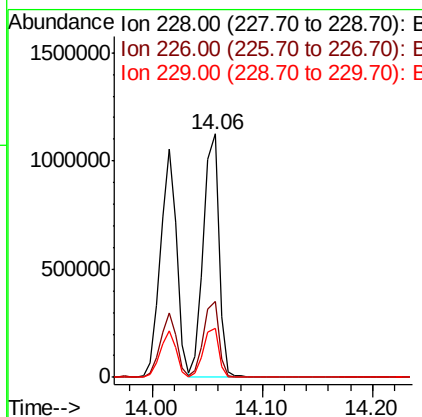
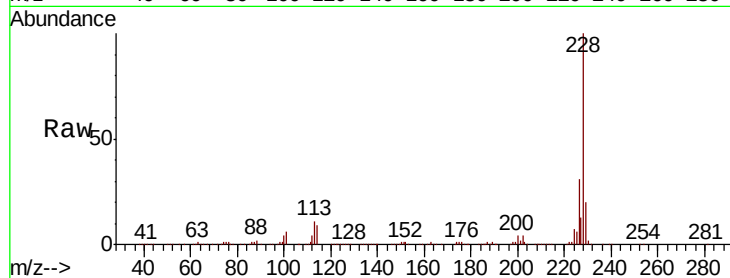
#83
 Chrysene
 Concen: 44.086 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Instrument :
 BNA_F
 ClientSampleId :
 PB121932BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.8	37.2
229	20.1	16.4	24.6

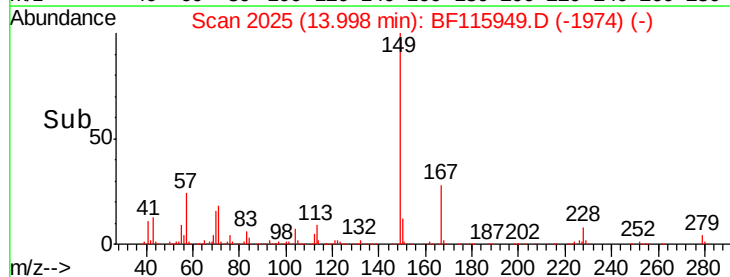
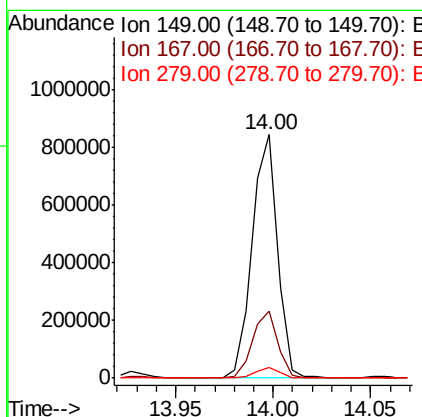
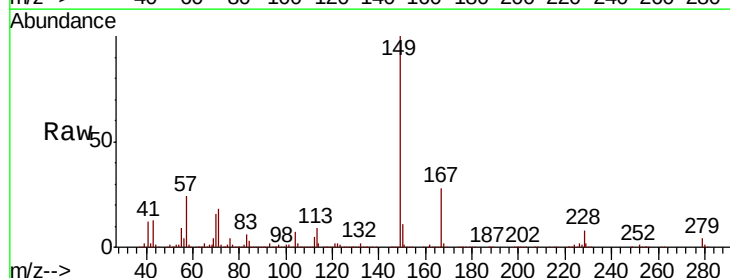
Manual Integrations
 APPROVED

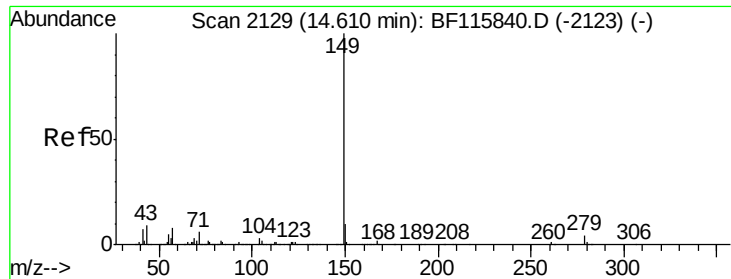
mohammad
 8/8/2019 4:44:17 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.263 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115949.D
 Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.4	33.6
279	4.3	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 48.227 ng

RT: 14.61 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

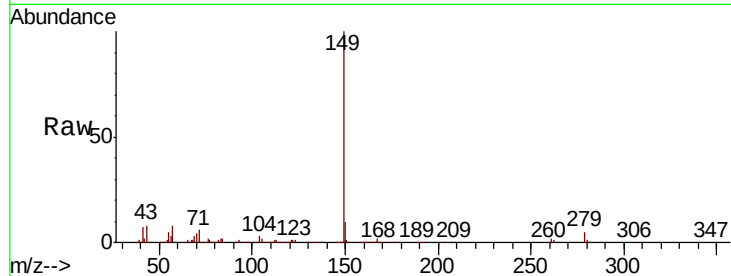
ClientSampleId :

PB121932BS

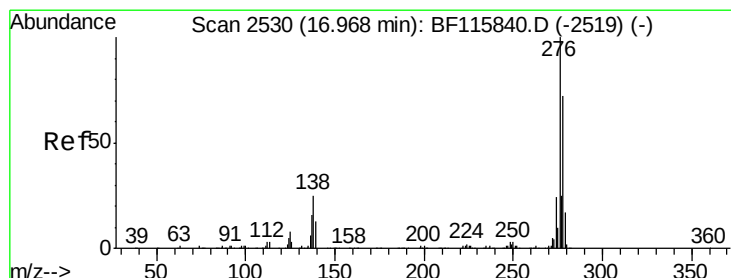
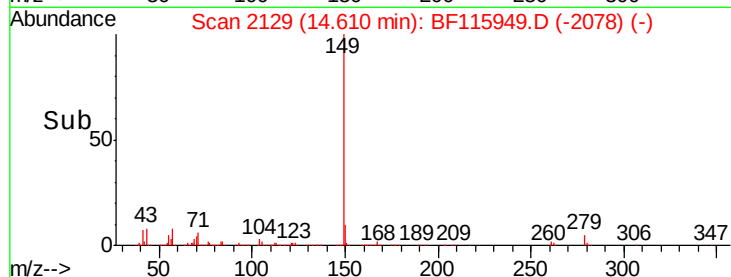
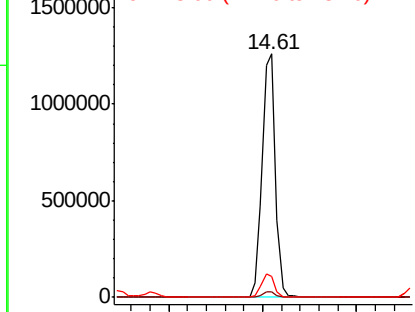
Tot Ion	Ratio	Lower	Upper
149	100		
167	2.4	1.2	1.8#
43	9.4	7.4	11.0

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.518 ng

RT: 16.99 min Scan# 2533

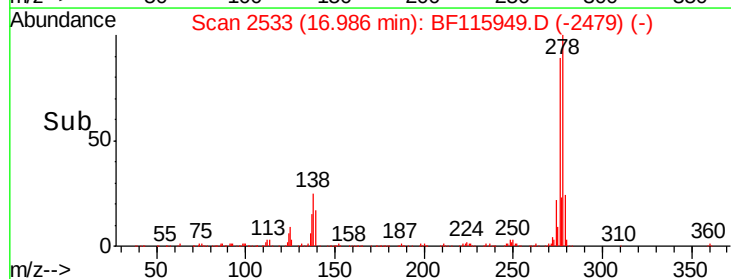
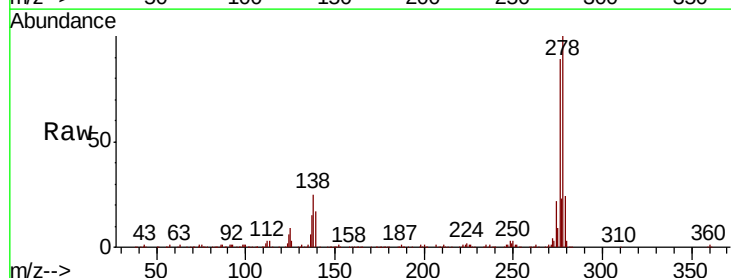
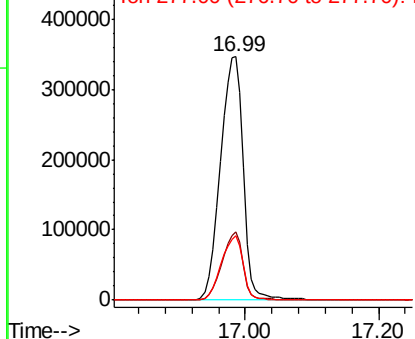
Delta R.T. 0.02 min

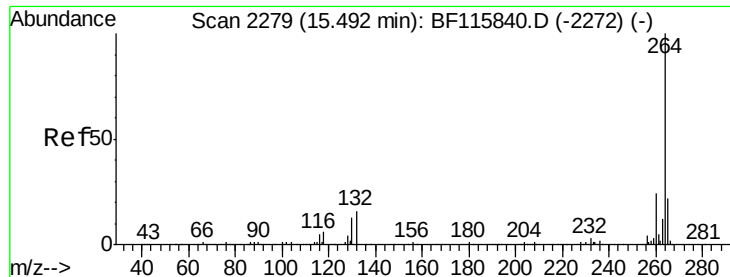
Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	19.6	29.4
277	25.3	20.1	30.1

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





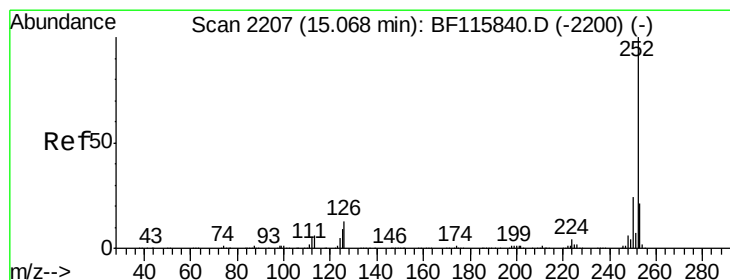
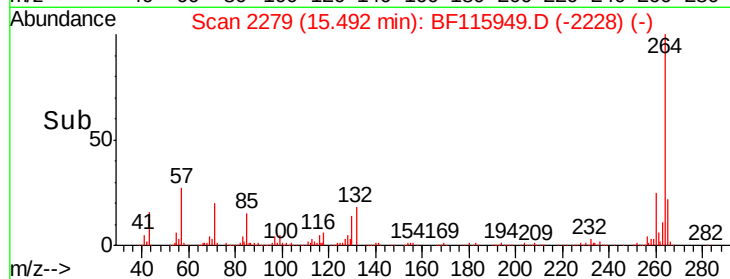
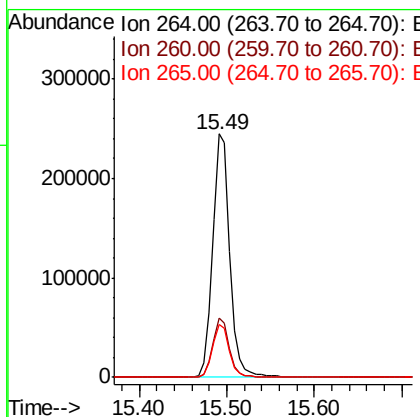
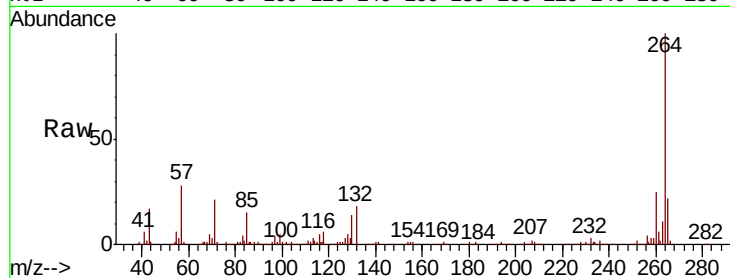
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Resp	Lower	Upper
264	100	332465		
260	24.5	19.4	29.2	
265	21.8	17.5	26.3	

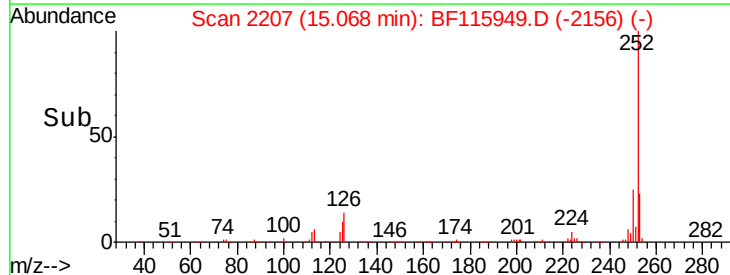
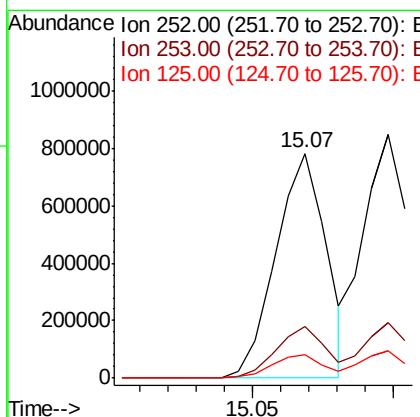
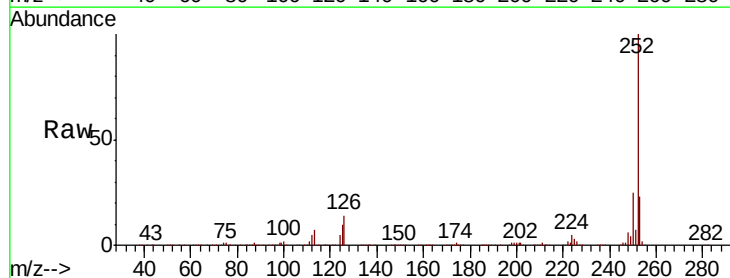
Manual Integrations
APPROVED

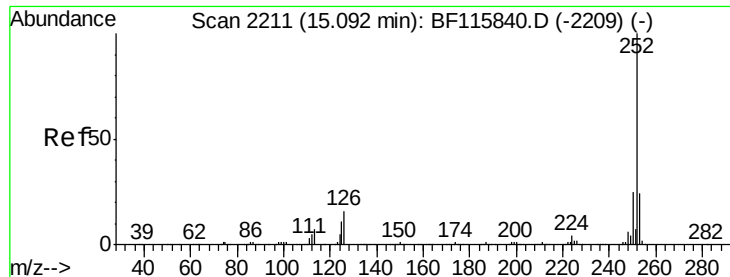
mohammad
8/8/2019 4:44:17 PM



#88
Benzo(b)fluoranthene
Concen: 50.250 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	965991		
253	22.7	17.2	25.8	
125	10.4	7.4	11.0	





#89

Benzo(k)fluoranthene

Concen: 50.247 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Instrument :

BNA_F

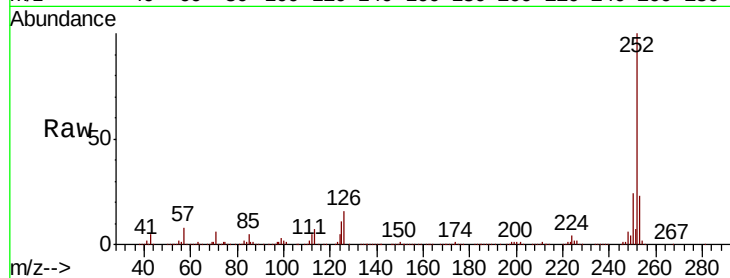
ClientSampleId :

PB121932BS

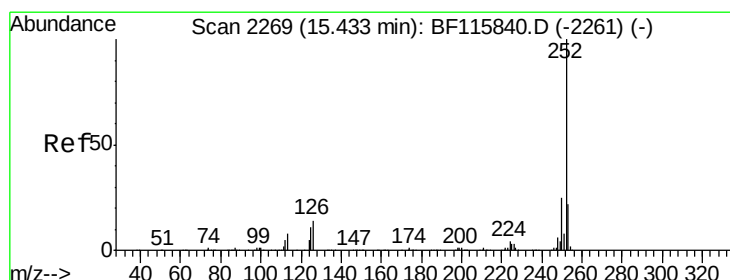
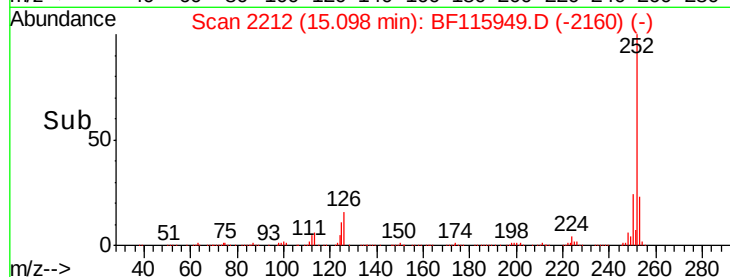
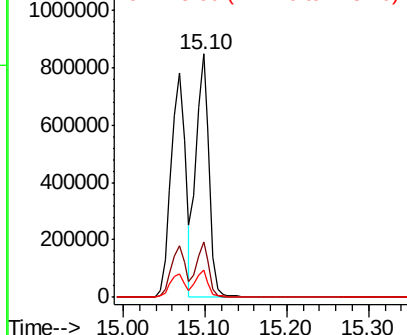
Tot Ion:	252	Resp:	940821
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.4
125	11.0	8.9	13.3

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 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: 51.576 ng

RT: 15.44 min Scan# 2270

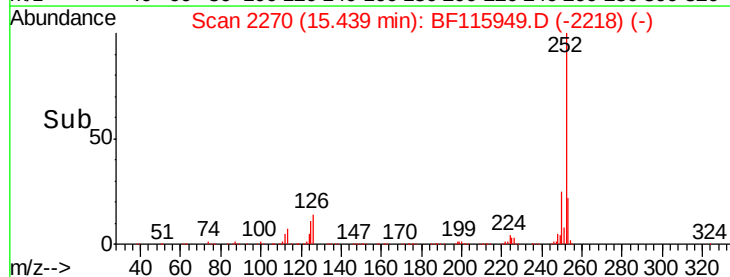
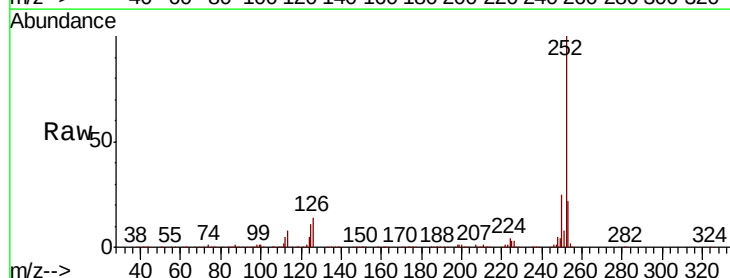
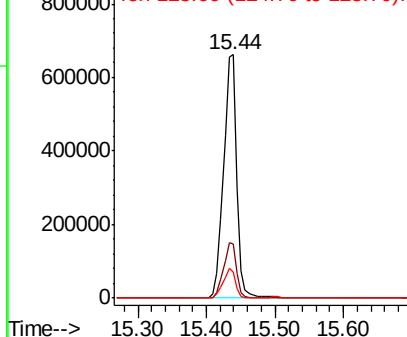
Delta R.T. 0.01 min

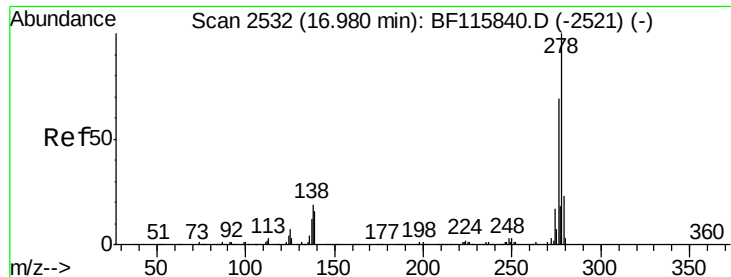
Lab File: BF115949.D

Acq: 2 Aug 2019 16:29

Tgt Ion:	252	Resp:	886293
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	10.8	8.8	13.2

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





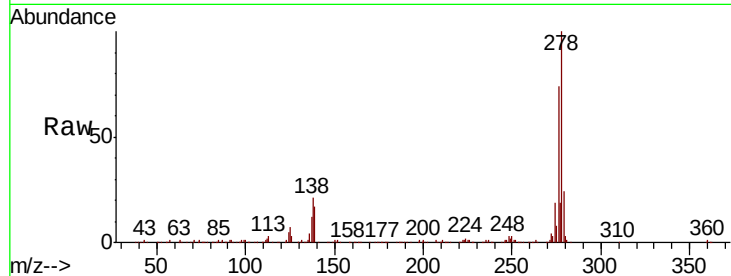
#91
Dibenzo(a,h)anthracene
Concen: 48.055 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Instrument :
BNA_F
ClientSampleId :
PB121932BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.6	19.0
279	24.1	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/8/2019 4:44:17 PM

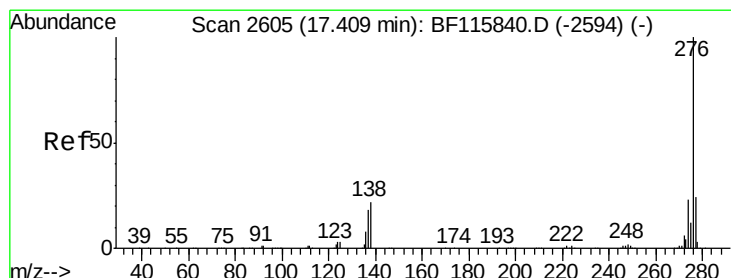
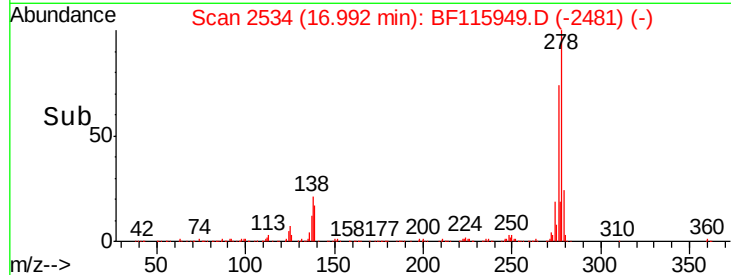
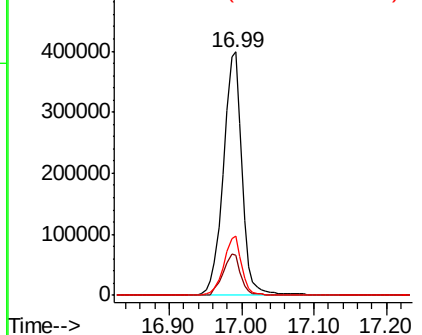


Abundance

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: 46.859 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF115949.D
Acq: 2 Aug 2019 16:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.5	29.3
138	22.1	17.8	26.8

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

