

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117880.D
 Acq On : 20 Nov 2019 3:54
 Operator : JU
 Sample : K5908-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:03:55 AM

Quant Time: Nov 20 05:43:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	156063	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	592886	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	277832	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	448824	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	393289	20.00	ng	-0.01
87) Perylene-d12	15.62	264	313204	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	959017	108.77	ng	0.00
7) Phenol-d6	6.54	99	1225180	115.21	ng	0.00
23) Nitrobenzene-d5	7.47	82	751593	75.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	284843	96.84	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1399267	90.35	ng	-0.01
79) Terphenyl-d14	13.04	244	1474279	68.51	ng	-0.01
Target Compounds						
10) Phenol	6.55	94	67906	6.145	ng	83
50) Dimethylphthalate	9.67	163	256685	13.175	ng	99
58) Fluorene	10.52	166	39563	2.328	ng	97
71) Phenanthrene	11.48	178	547586	24.267	ng	97
72) Anthracene	11.53	178	101438	4.534	ng	99
73) Carbazole	11.69	167	54520	2.789	ng	99
75) Fluoranthene	12.67	202	661425	29.616	ng	99
78) Pyrene	12.90	202	488402	15.366	ng	99
81) Benzo(a)anthracene	14.09	228	263133	10.125	ng	99
83) Chrysene	14.13	228	236230	9.380	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	71122	3.318	ng	95
88) Benzo(b)fluoranthene	15.16	252	232306m	11.416	ng	
89) Benzo(k)fluoranthene	15.19	252	64174m	3.347	ng	
90) Benzo(a)pyrene	15.54	252	127822	7.143	ng	96
92) Benzo(a,h,i)perylene	17.60	276	58544	3.816	ng	97

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

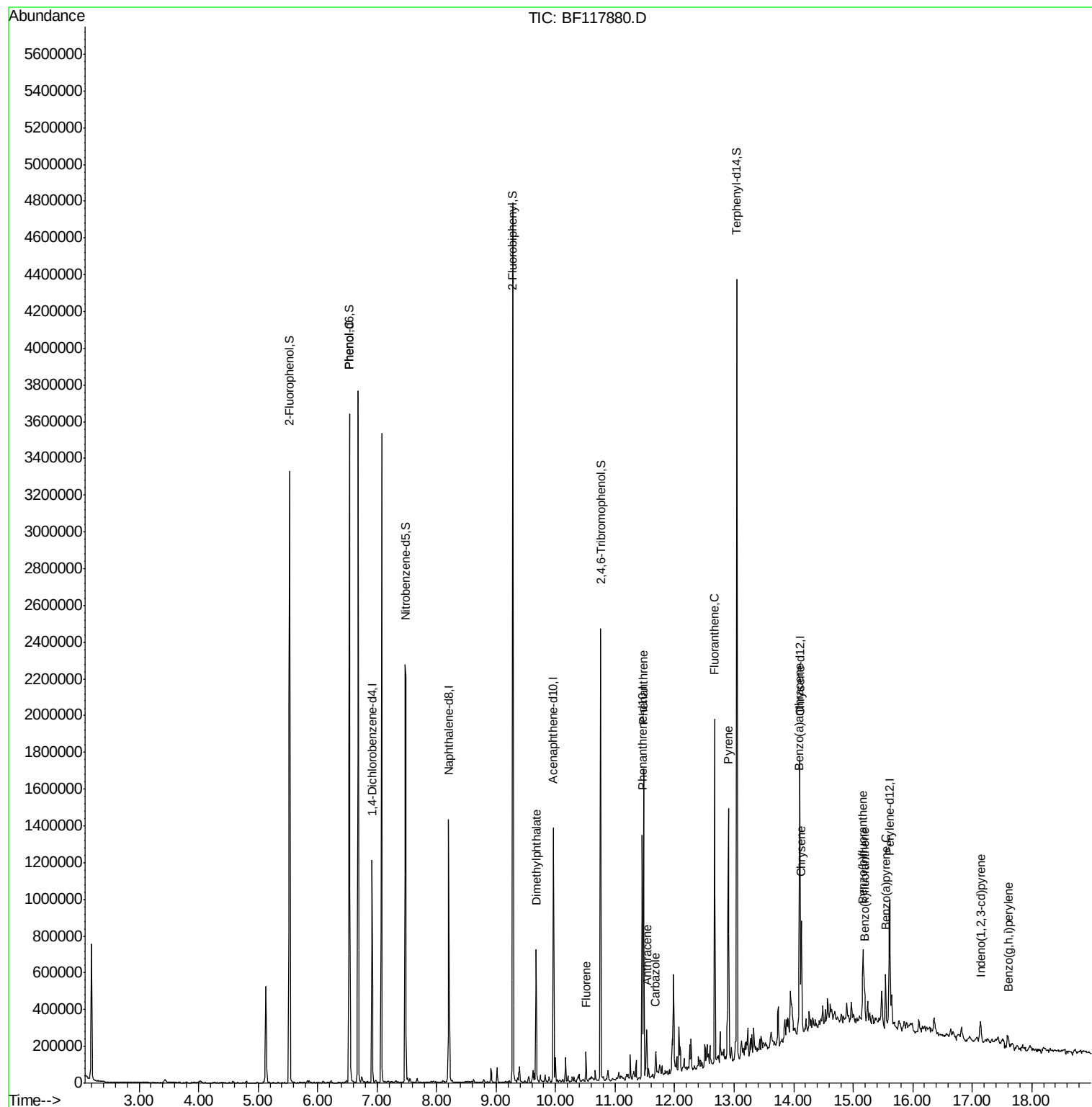
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117880.D
Acq On : 20 Nov 2019 3:54
Operator : JU
Sample : K5908-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

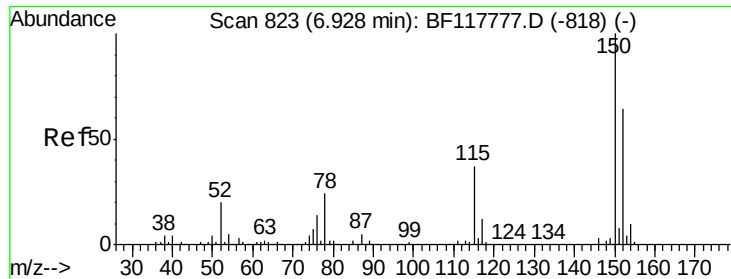
Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Manual Integrations
APPROVED

mohammad
11/21/2019 9:03:55 AM

Quant Time: Nov 20 05:43:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration





#1

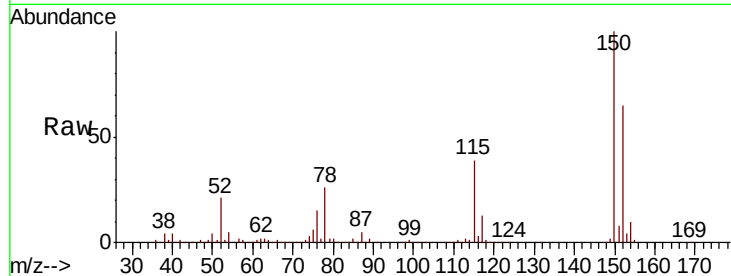
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.3	187.9
115	60.7	47.0	70.4

Manual Integrations
APPROVED

mohammad
11/21/2019 9:03:55 AM

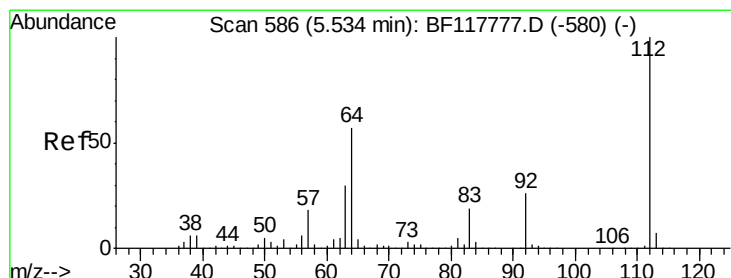
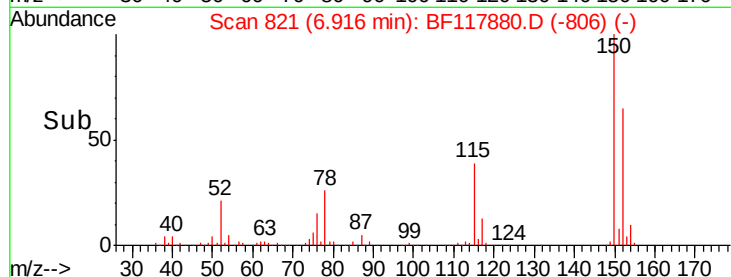
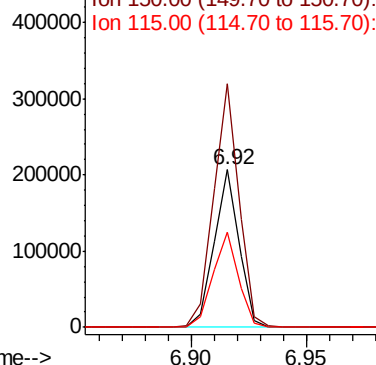


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

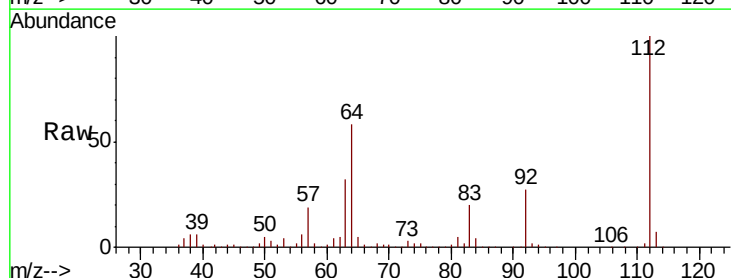
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.774 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	45.6	68.4
63	32.3	24.1	36.1

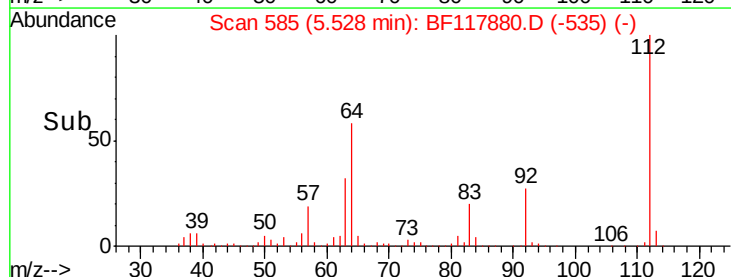
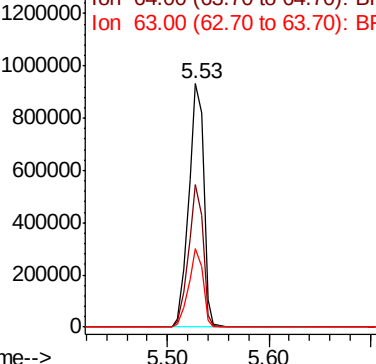


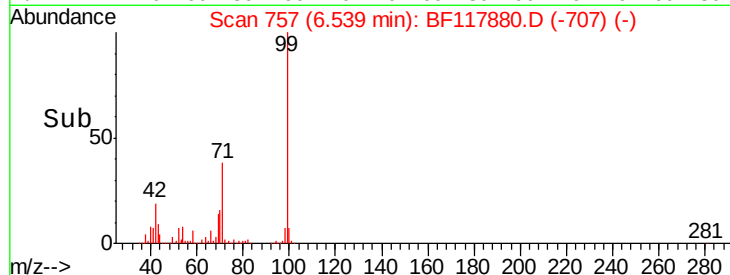
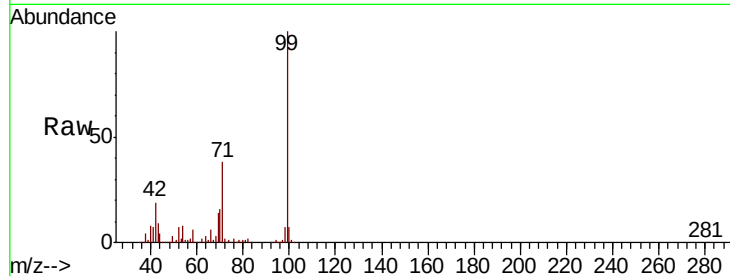
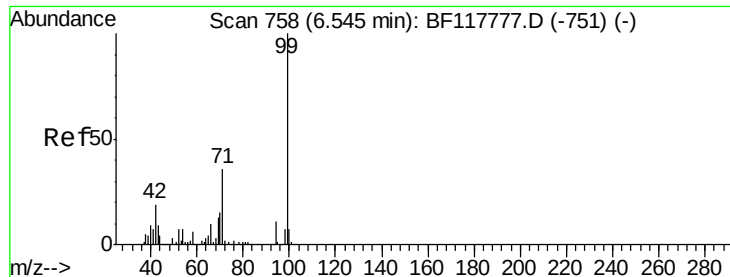
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 115.211 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117880.D

Acq: 20 Nov 2019 3:54

Tot Ion: 99 Resp: 1225180

Ion Ratio Lower Upper

99 100

42 18.9 14.9 22.3

71 37.7 28.6 43.0

Instrument :

BNA_F

ClientSampleId :

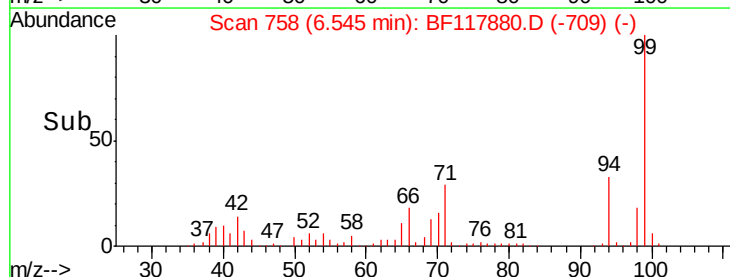
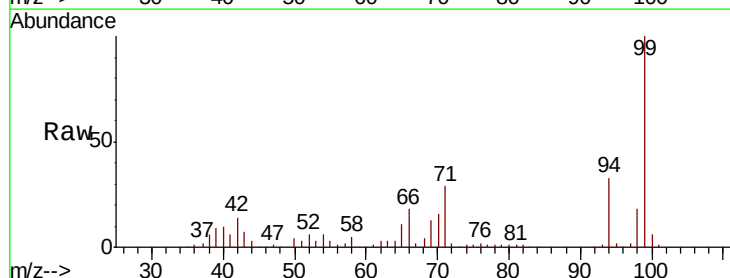
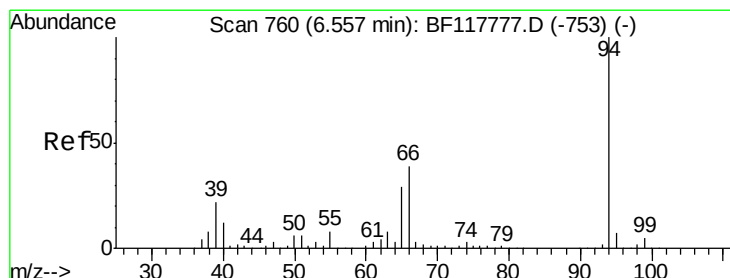
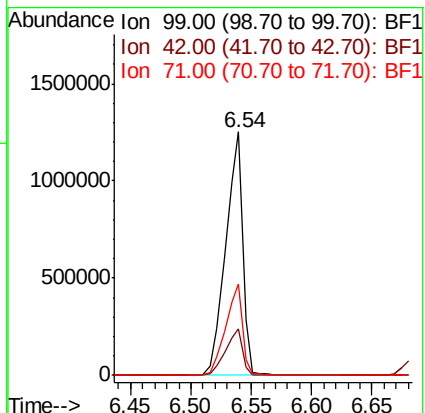
B-8-2-(6-12)

Manual Integrations

APPROVED

mohammad

11/21/2019 9:03:55 AM



#10

Phenol

Concen: 6.145 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117880.D

Acq: 20 Nov 2019 3:54

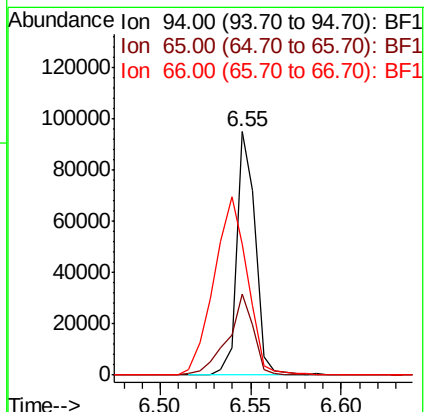
Tgt Ion: 94 Resp: 67906

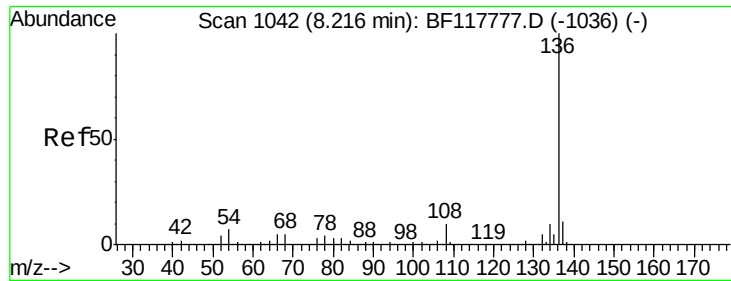
Ion Ratio Lower Upper

94 100

65 33.2 8.9 48.9

66 53.5 18.7 58.7





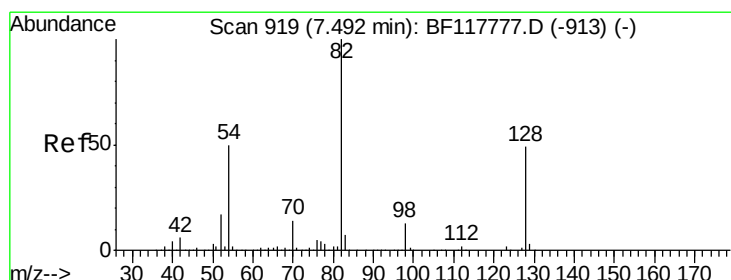
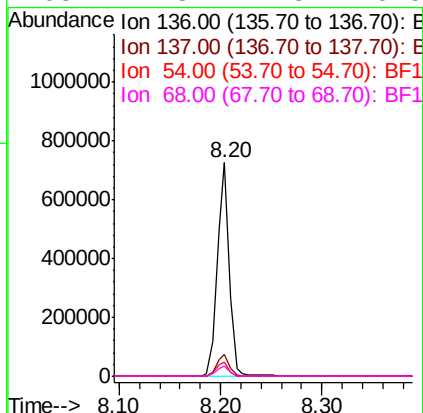
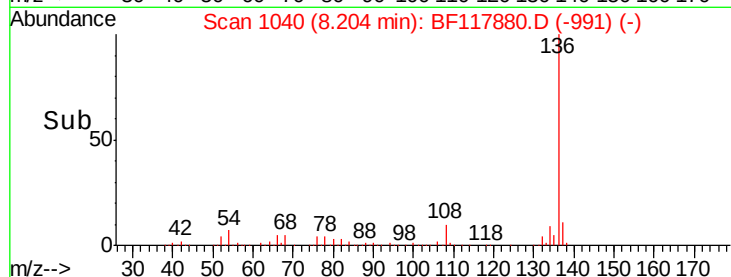
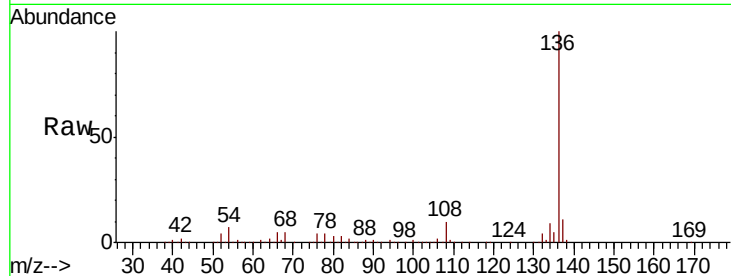
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.5		9.0	13.4	
54	6.6		5.4	8.2	
68	4.8		4.3	6.5	

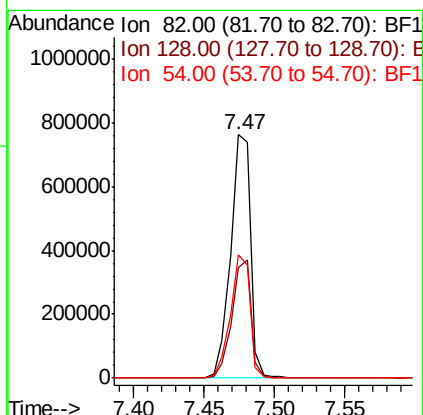
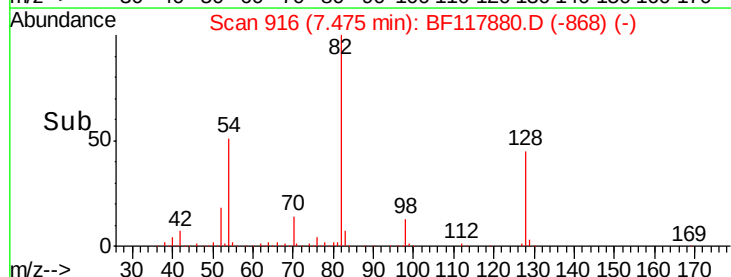
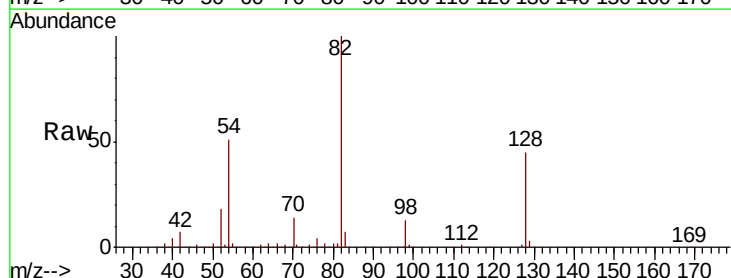
Manual Integrations
APPROVED

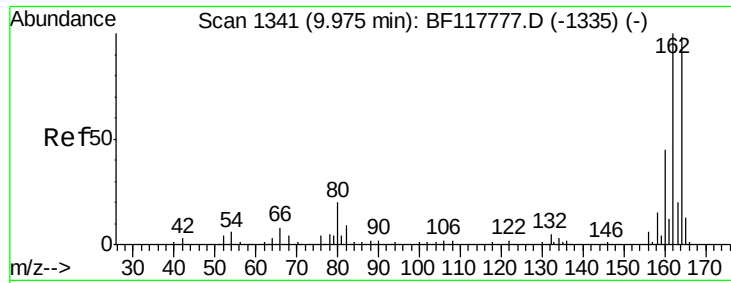
mohammad
11/21/2019 9:03:55 AM



#23
Nitrobenzene-d5
Concen: 75.359 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.4		38.9	58.3	
54	50.8		39.8	59.6	





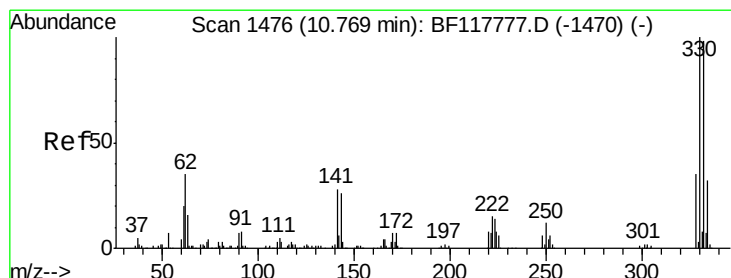
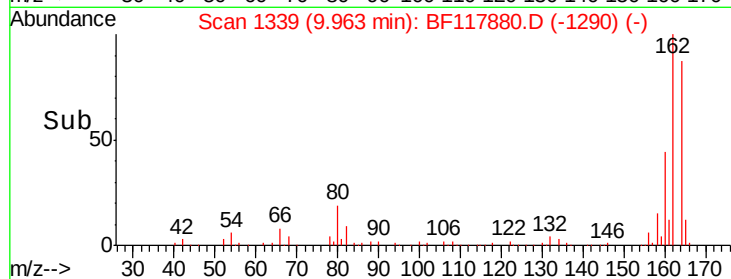
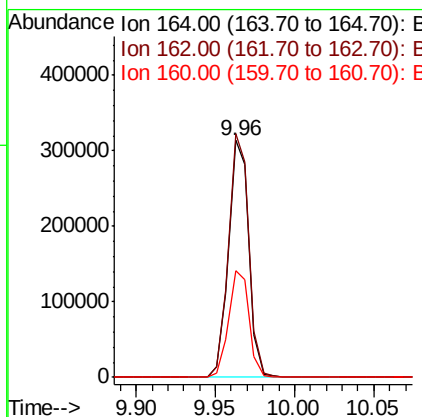
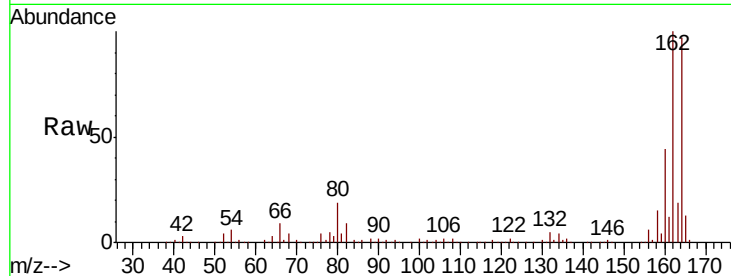
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	81.3	121.9	
160	44.9	36.6	55.0	

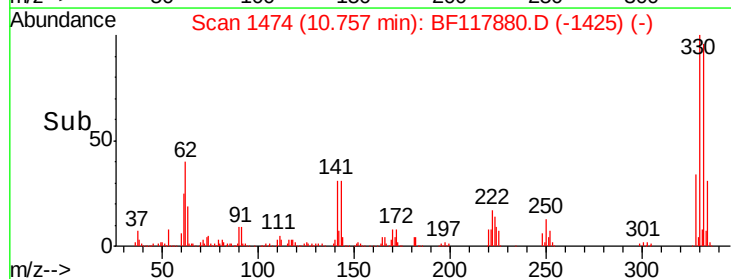
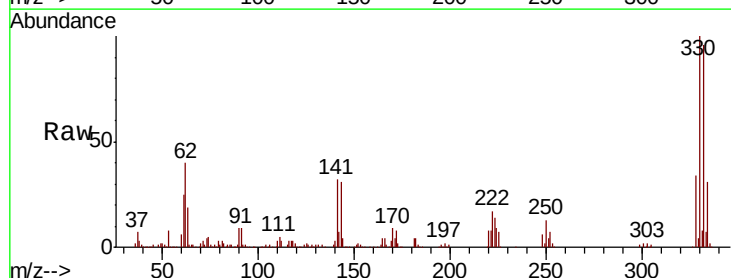
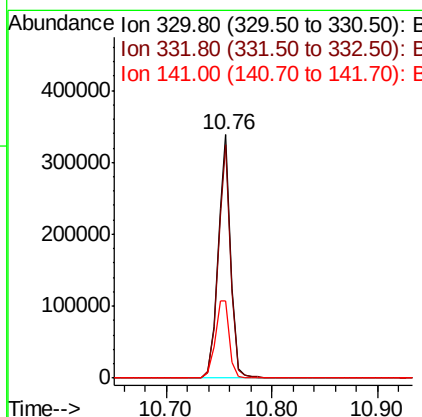
Manual Integrations
APPROVED

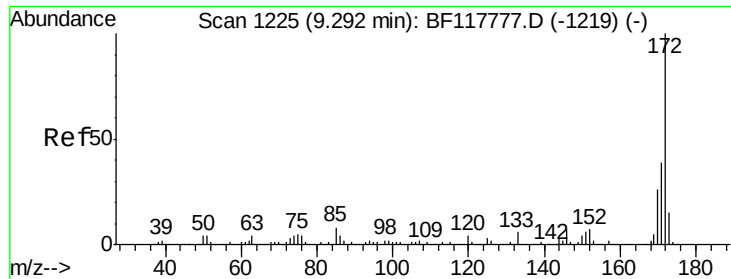
mohammad
11/21/2019 9:03:55 AM



#42
2,4,6-Tribromophenol
Concen: 96.840 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	76.7	115.1	
141	37.0	27.7	41.5	





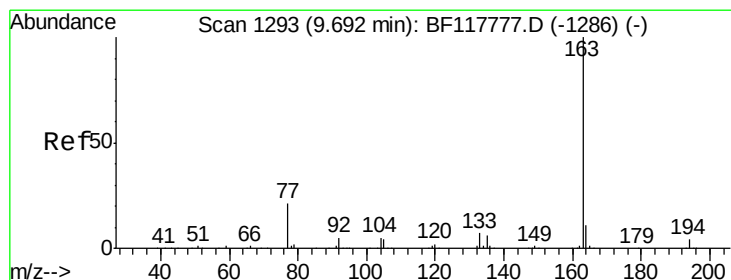
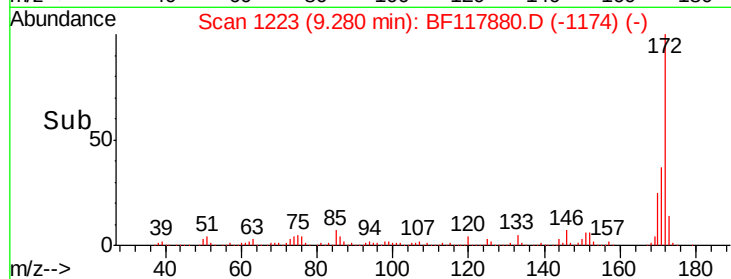
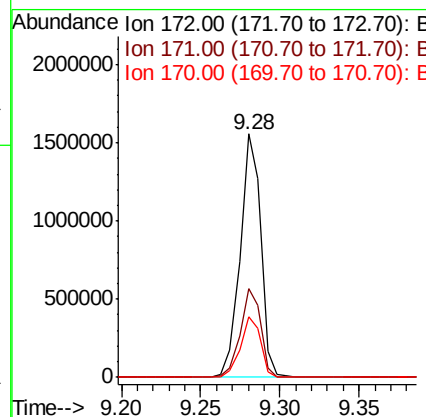
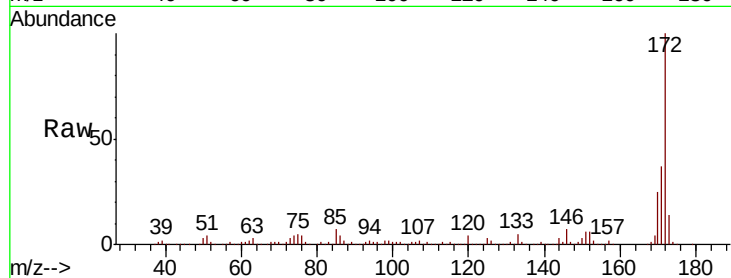
#45
2-Fluorobiphenyl
Concen: 90.354 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.9	46.3
170	24.9	21.0	31.4

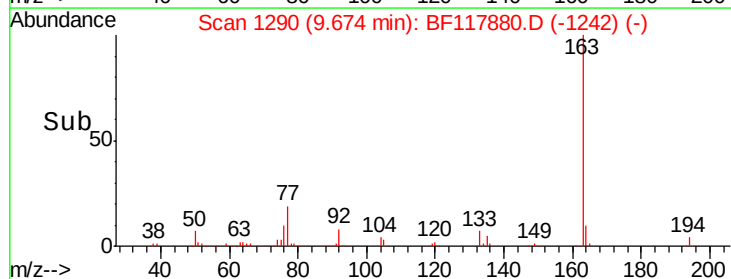
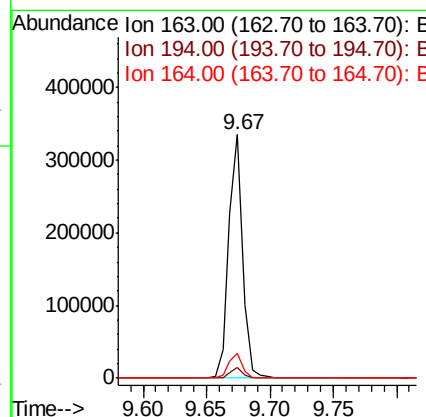
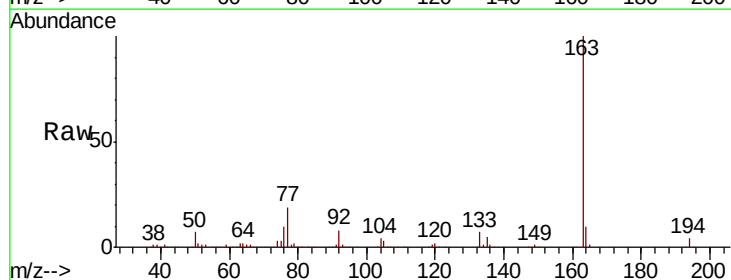
Manual Integrations
APPROVED

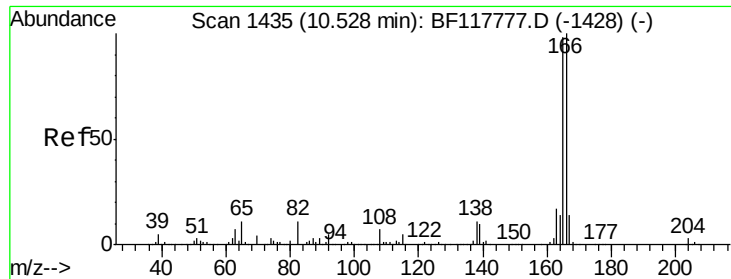
mohammad
11/21/2019 9:03:55 AM



#50
Dimethylphthalate
Concen: 13.175 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.7	13.1





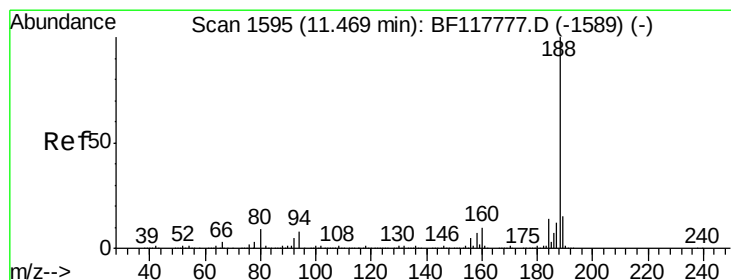
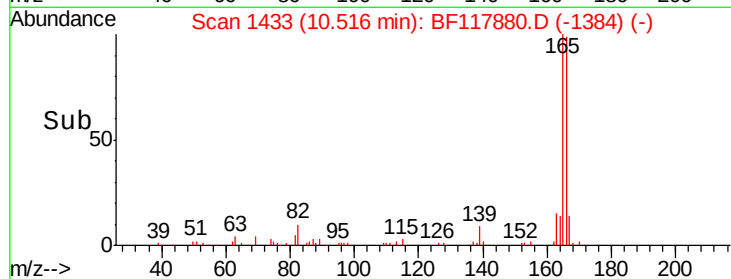
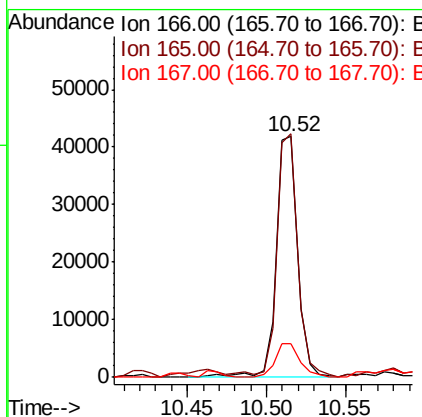
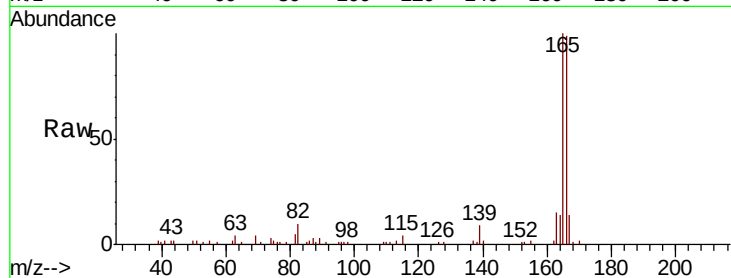
#58
 Fluorene
 Concen: 2.328 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF117880.D
 Acq: 20 Nov 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.1	78.4	117.6
167	14.0	11.0	16.4

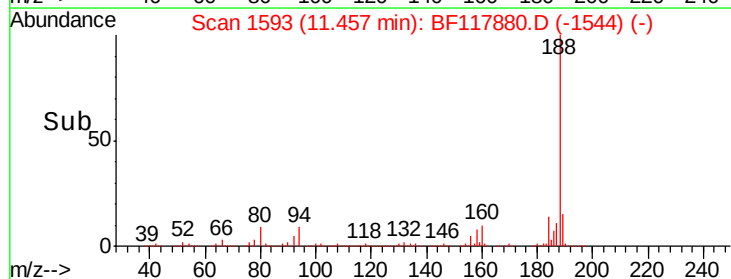
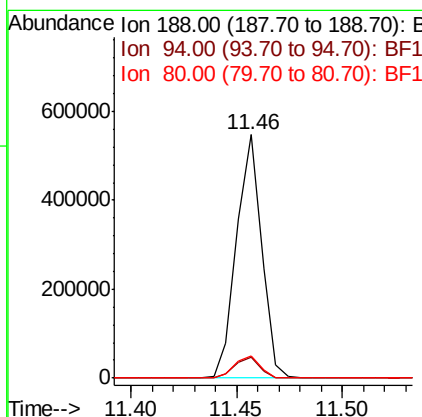
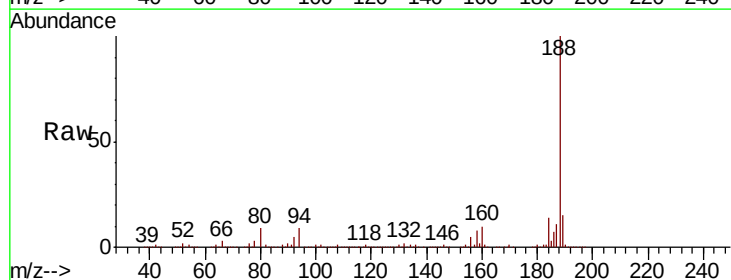
Manual Integrations
 APPROVED

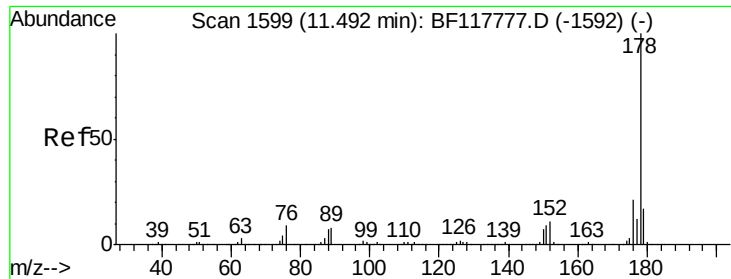
mohammad
 11/21/2019 9:03:55 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117880.D
 Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	8.9	7.2	10.8





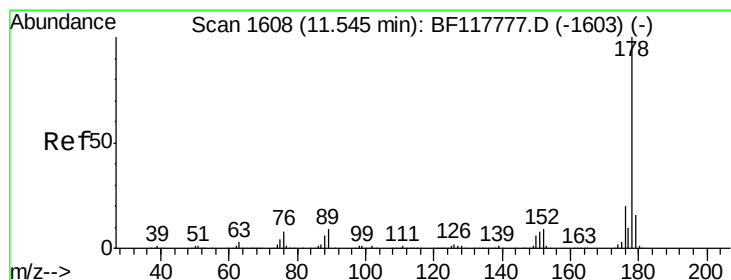
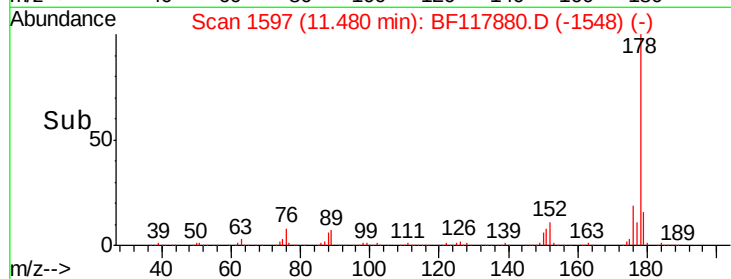
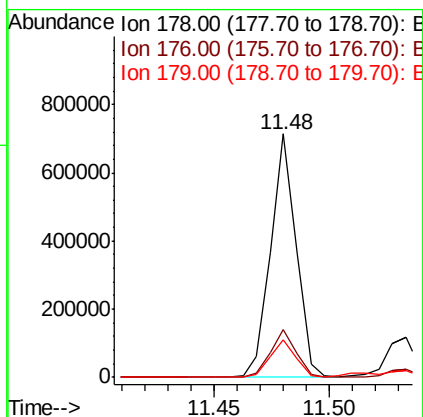
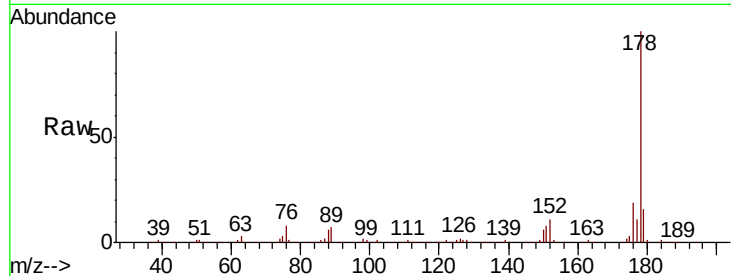
#71
Phenanthrene
Concen: 24.267 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	15.6	13.2	19.8

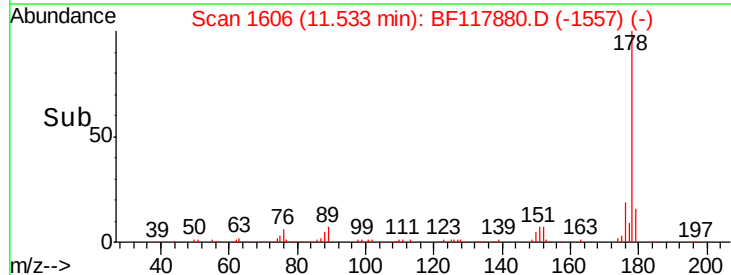
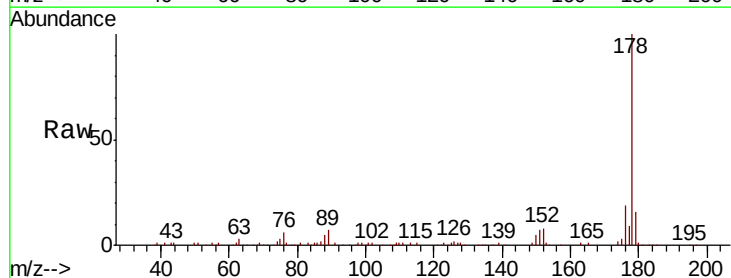
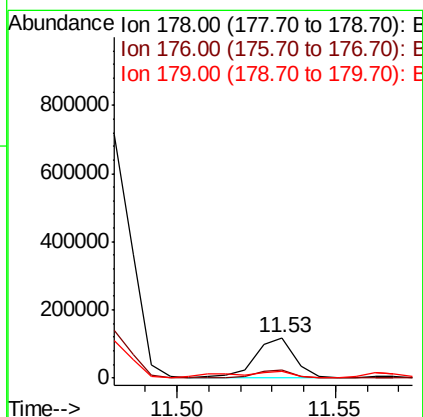
Manual Integrations
APPROVED

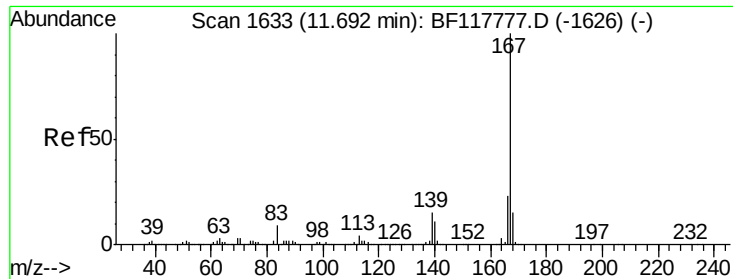
mohammad
11/21/2019 9:03:55 AM



#72
Anthracene
Concen: 4.534 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.1	24.1
179	16.4	13.0	19.4





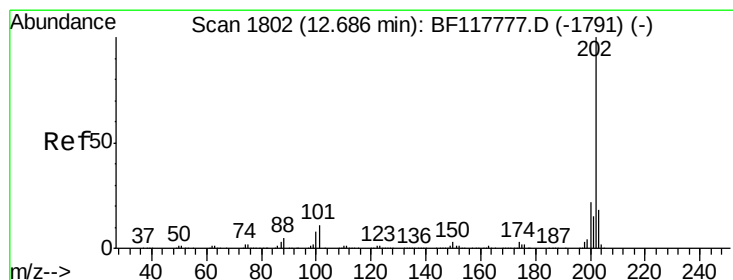
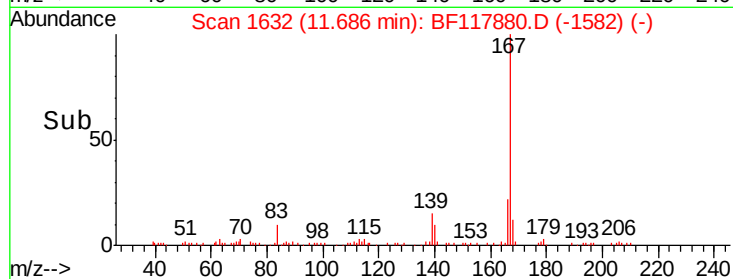
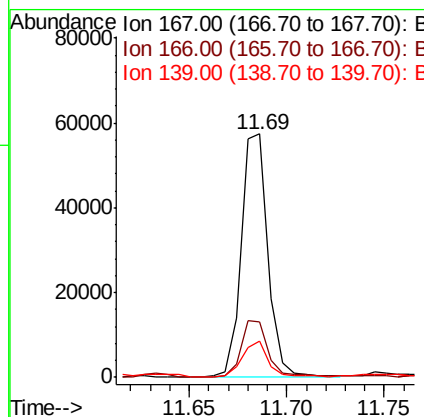
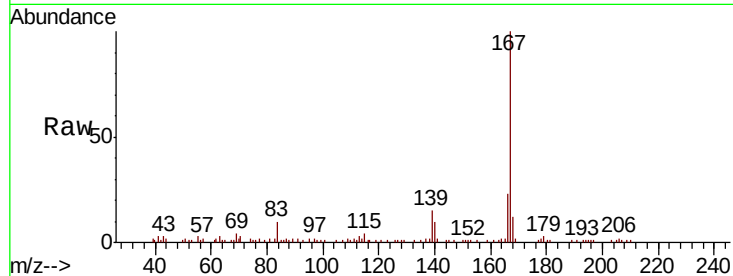
#73
 Carbazole
 Concen: 2.789 ng
 RT: 11.69 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BF117880.D
 Acq: 20 Nov 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.0	27.0
139	14.7	11.7	17.5

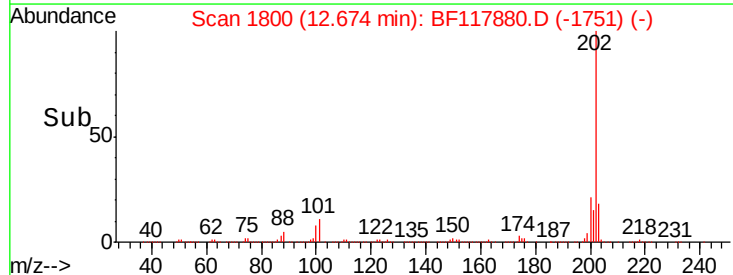
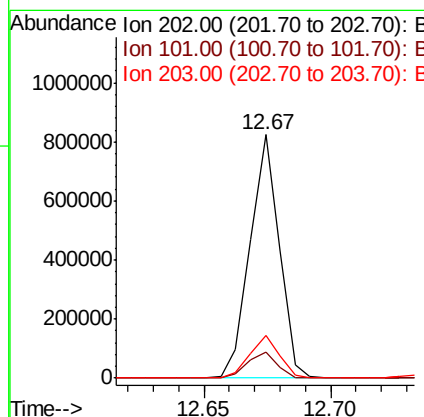
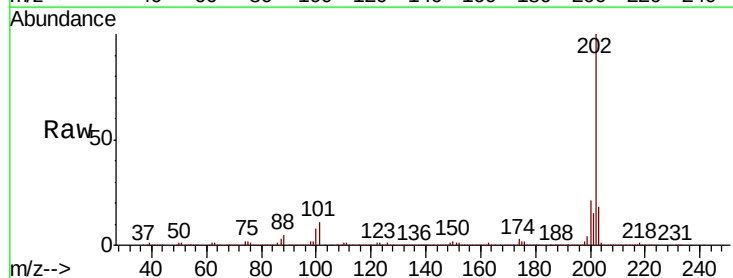
Manual Integrations
 APPROVED

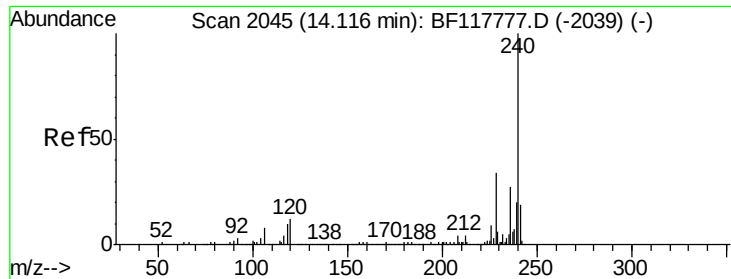
mohammad
 11/21/2019 9:03:55 AM



#75
 Fluoranthene
 Concen: 29.616 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF117880.D
 Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.1
203	17.8	0.0	38.2





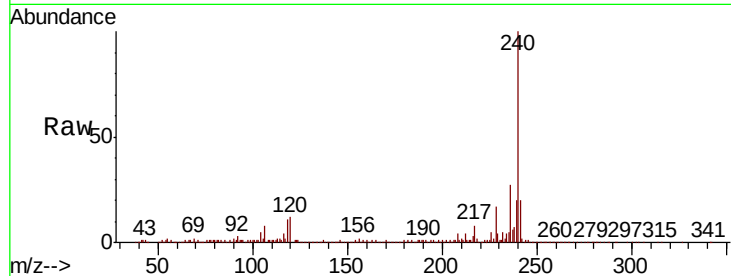
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	393289		
120	12.1	9.5	14.3	
236	27.1	21.3	31.9	

Manual Integrations
APPROVED

mohammad
11/21/2019 9:03:55 AM

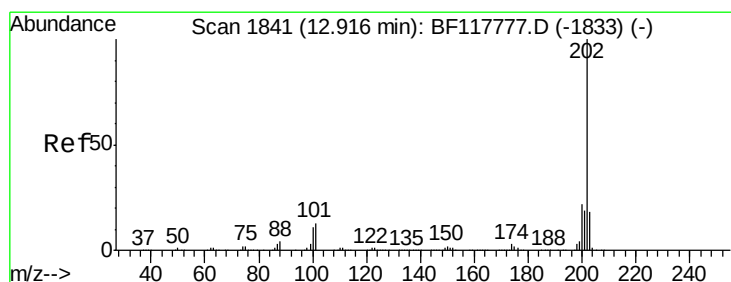
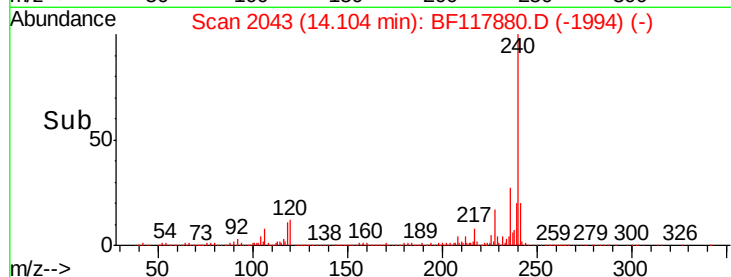
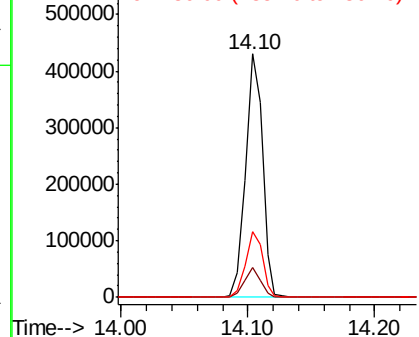


Abundance

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



#78
Pyrene
Concen: 15.366 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

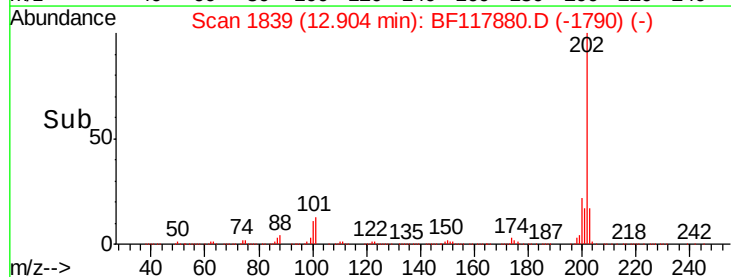
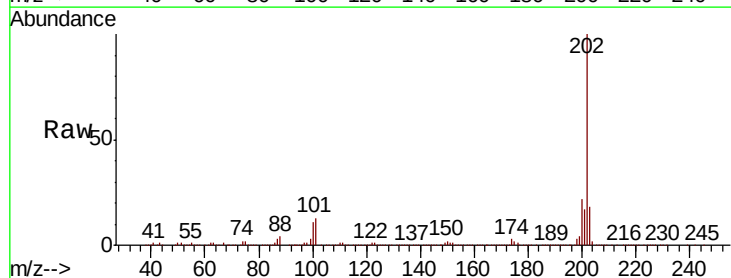
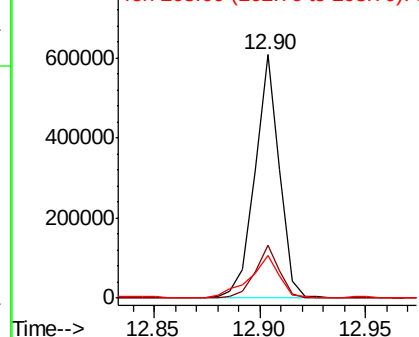
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	488402		
200	21.8	17.8	26.8	
203	17.5	14.6	22.0	

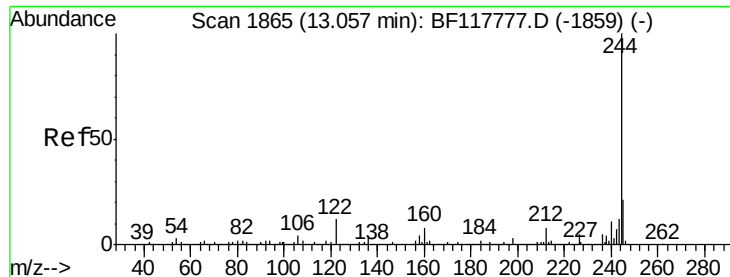
Abundance

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: 68.510 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF117880.D

Acq: 20 Nov 2019 3:54

Instrument :

BNA_F

ClientSampleId :

B-8-2-(6-12)

Tot Ion:244 Resp: 1474279

Ion Ratio Lower Upper

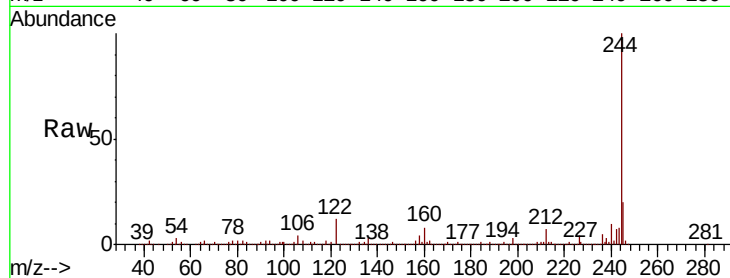
244 100

212 7.2 6.3 9.5

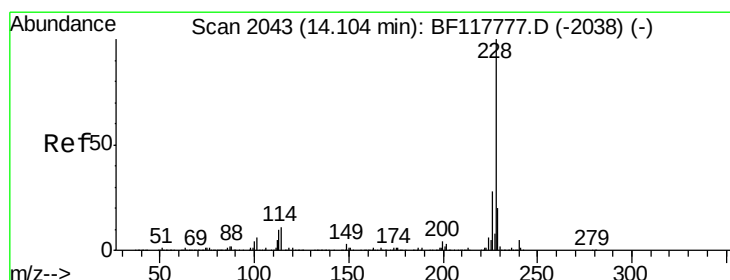
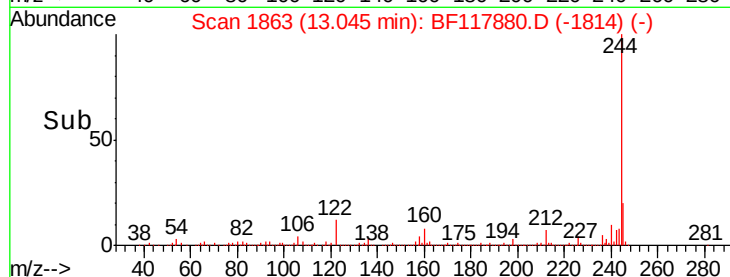
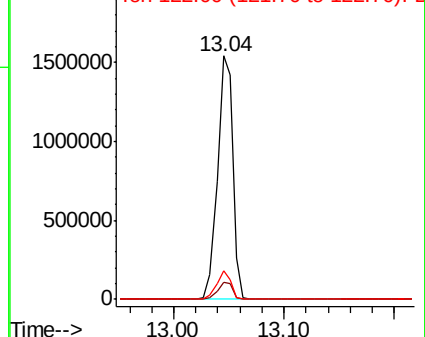
122 12.0 9.4 14.2

Manual Integrations
APPROVED

mohammad
11/21/2019 9:03:55 AM



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



#81

Benzo(a)anthracene

Concen: 10.125 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117880.D

Acq: 20 Nov 2019 3:54

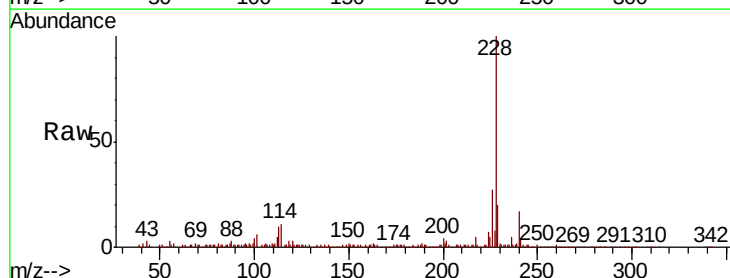
Tgt Ion:228 Resp: 263133

Ion Ratio Lower Upper

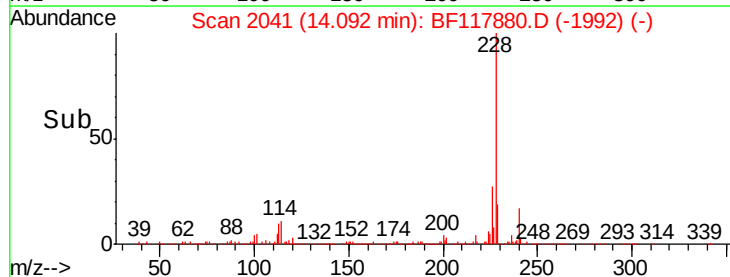
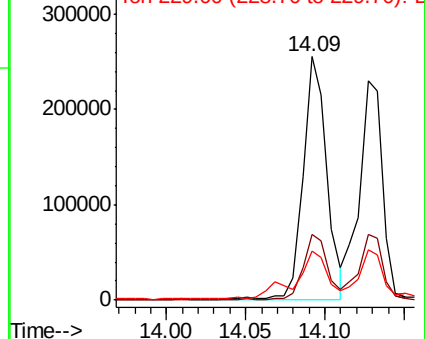
228 100

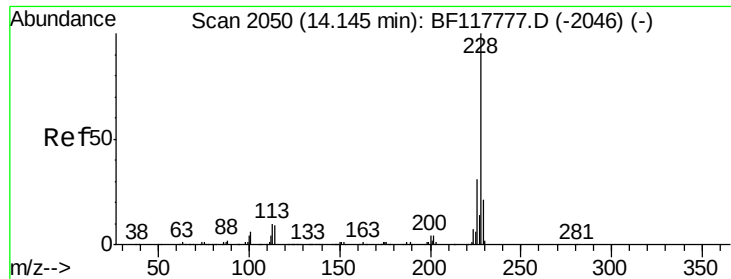
226 27.0 22.2 33.2

229 20.2 15.9 23.9



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





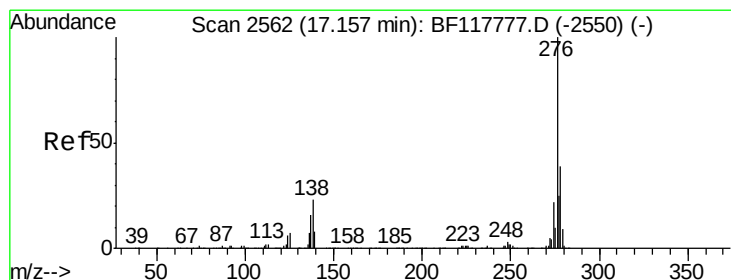
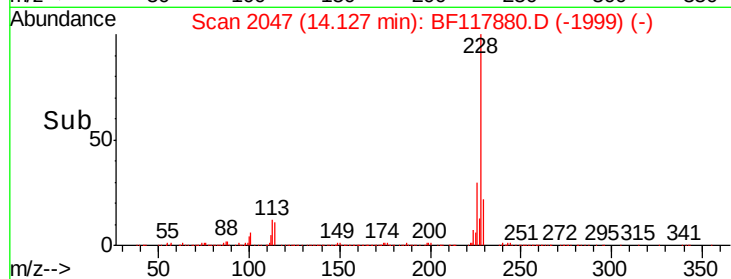
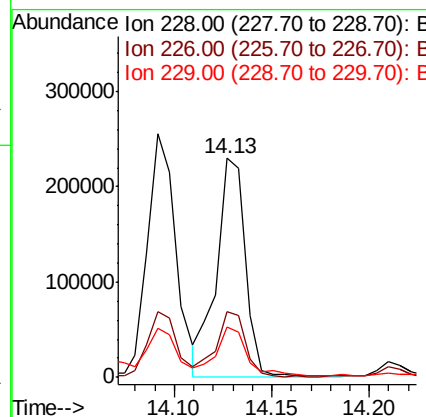
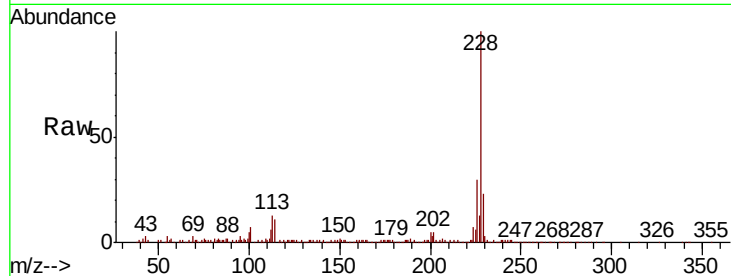
#83
Chrysene
Concen: 9.380 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion:	228	Resp:	236230
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.4
229	23.2	16.6	25.0

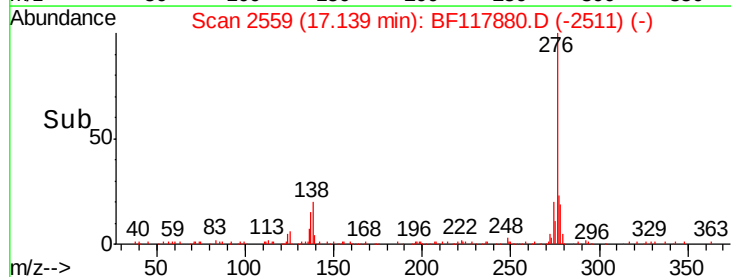
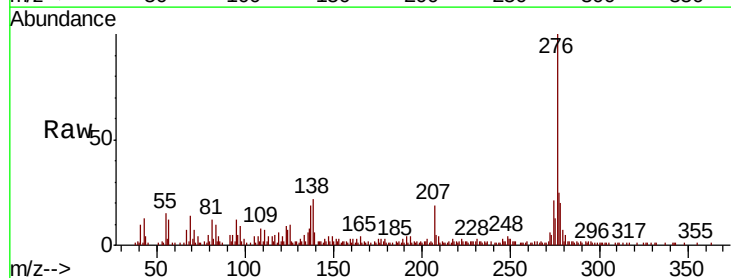
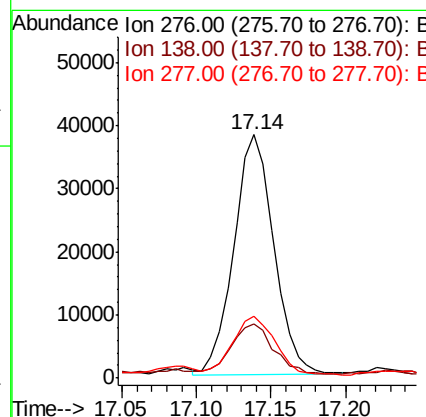
Manual Integrations
APPROVED

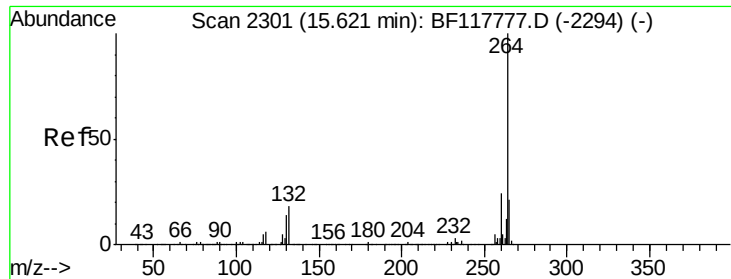
mohammad
11/21/2019 9:03:55 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.318 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion:	276	Resp:	71122
Ion Ratio	Lower	Upper	
276	100		
138	21.8	20.9	31.3
277	26.1	20.3	30.5





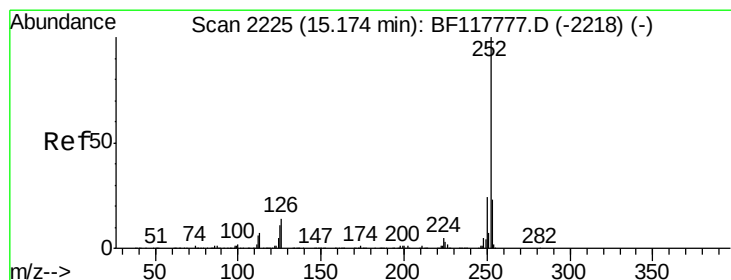
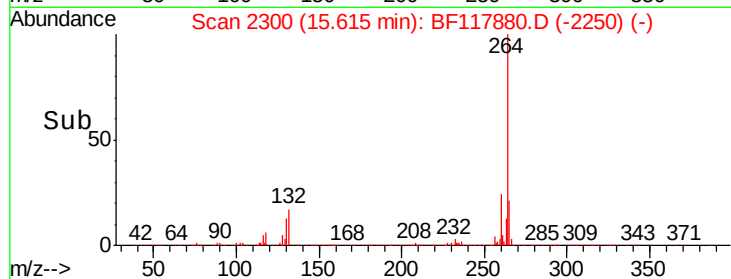
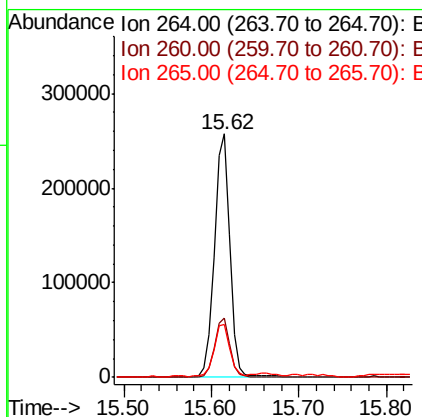
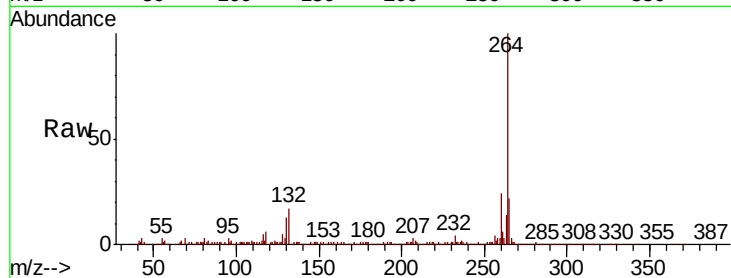
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	21.7	17.1	25.7

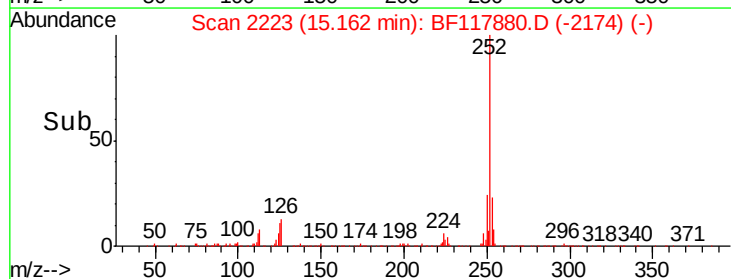
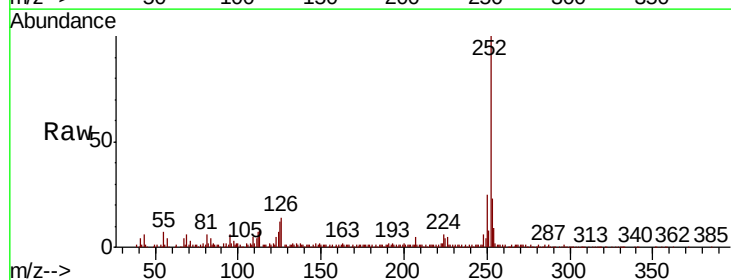
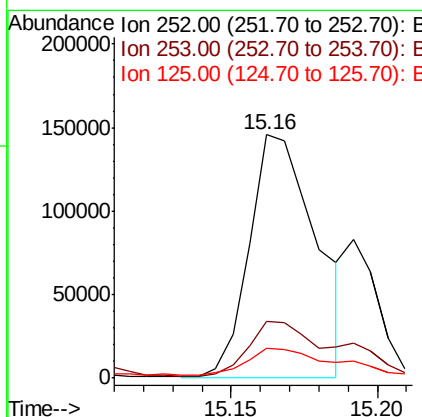
Manual Integrations
APPROVED

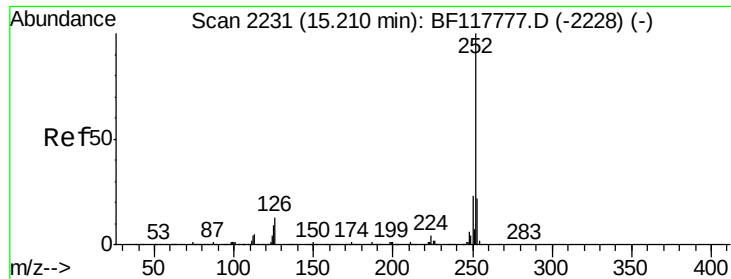
mohammad
11/21/2019 9:03:55 AM



#88
Benzo(b)fluoranthene
Concen: 11.416 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.1	8.6	13.0





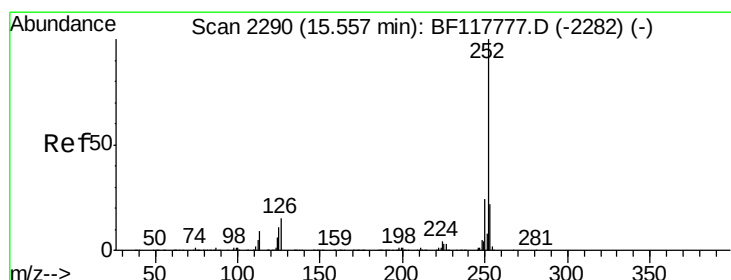
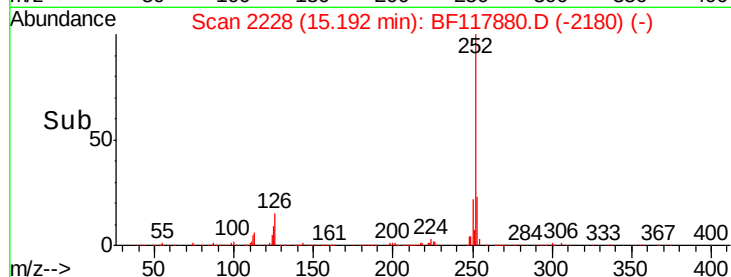
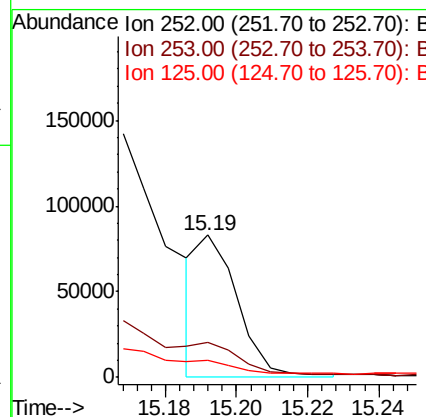
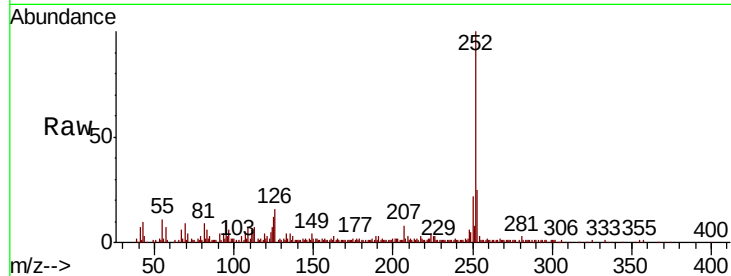
#89
Benzo(k)fluoranthene
Concen: 3.347 ng m
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	12.3	7.9	11.9

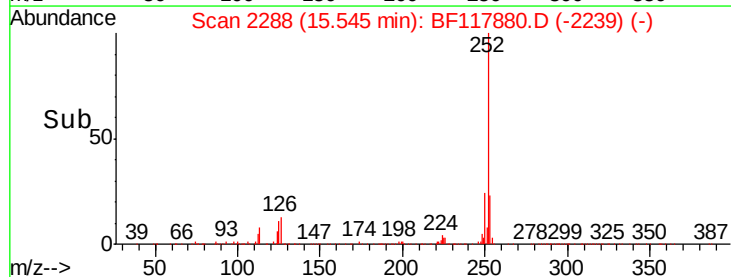
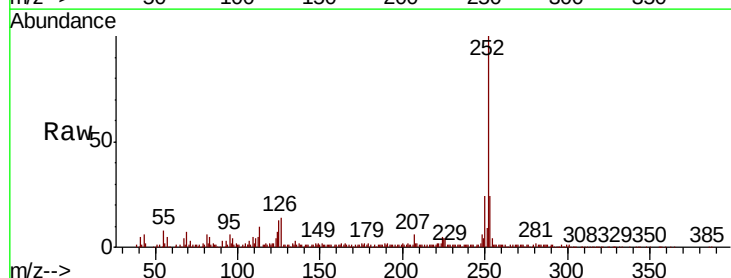
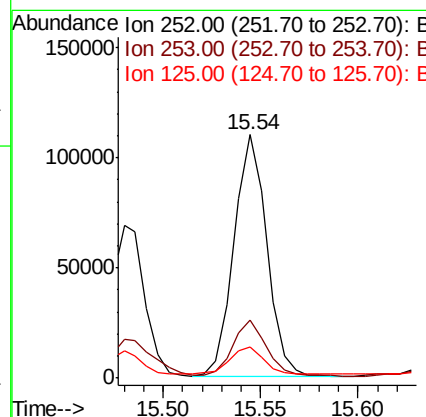
Manual Integrations
APPROVED

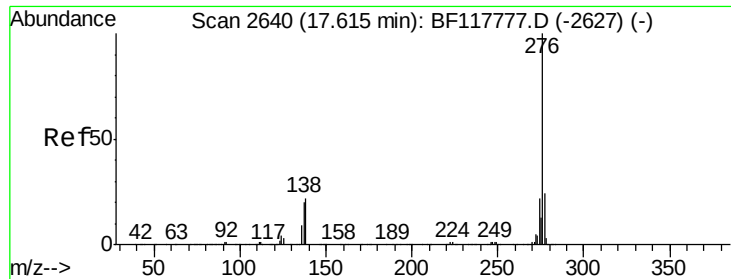
mohammad
11/21/2019 9:03:55 AM



#90
Benzo(a)pyrene
Concen: 7.143 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117880.D
Acq: 20 Nov 2019 3:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	12.8	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.816 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: BF117880.D
 Acq: 20 Nov 2019 3:54

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Tot Ion:	276	Resp:	58544
Ion Ratio	Lower	Upper	
276	100		
277	22.1	18.9	28.3
138	20.1	17.4	26.2

Manual Integrations
 APPROVED

mohammad
 11/21/2019 9:03:55 AM

