

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121777.D
 Acq On : 1 Oct 2020 20:18
 Operator : JU/CG
 Sample : L4193-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

Manual Integrations
 APPROVED

mohammad
 10/2/2020 12:13:47 PM

Quant Time: Oct 02 00:49:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	144293	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	548966	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	250936	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	385994	20.00	ng	0.00
76) Chrysene-d12	13.94	240	314168	20.00	ng	0.00
86) Perylene-d12	15.38	264	272463	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	175732	18.10	ng	0.00
7) Phenol-d6	6.41	99	220957	17.35	ng	0.00
23) Nitrobenzene-d5	7.33	82	133795	13.09	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	41320	13.25	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	255450	15.42	ng	0.00
79) Terphenyl-d14	12.87	244	186001	11.99	ng	0.00
Target Compounds						
71) Phenanthrene	11.32	178	342967	16.308	ng	99
72) Anthracene	11.37	178	106389	4.902	ng	97
75) Fluoranthene	12.51	202	532609	23.724	ng	98
78) Pyrene	12.74	202	474781	20.684	ng	98
81) Benzo(a)anthracene	13.93	228	272953	13.733	ng	95
83) Chrysene	13.96	228	244563	12.151	ng	97
87) Indeno(1,2,3-cd)pyrene	16.79	276	104621	5.896	ng	96
88) Benzo(b)fluoranthene	14.96	252	299034m	16.417	ng	
89) Benzo(k)fluoranthene	14.99	252	77858m	4.668	ng	
90) Benzo(a)pyrene	15.32	252	195983	12.658	ng	97
92) Benzo(g,h,i)perylene	17.22	276	95805	6.599	ng	99

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

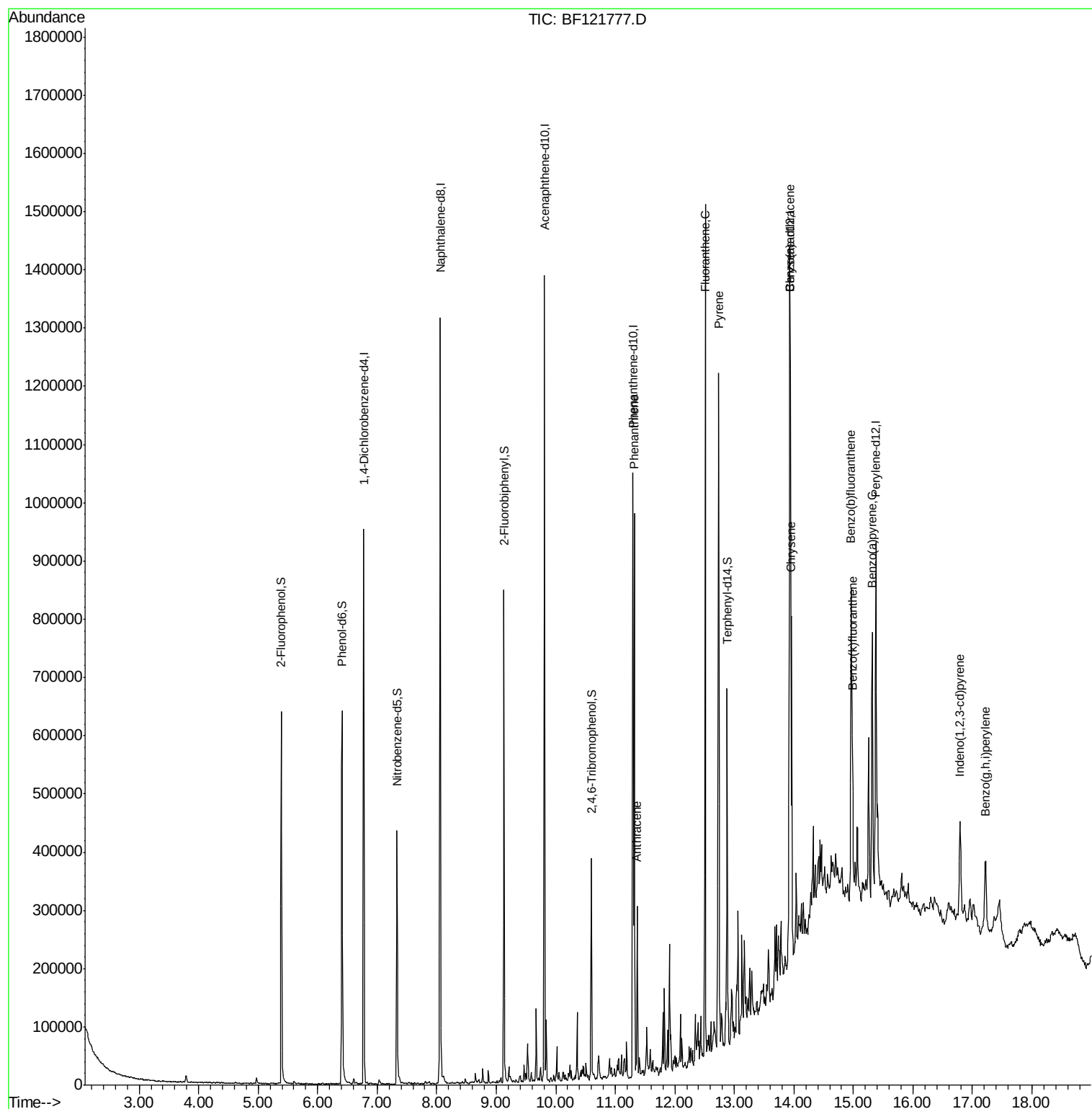
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121777.D
Acq On : 1 Oct 2020 20:18
Operator : JU/CG
Sample : L4193-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

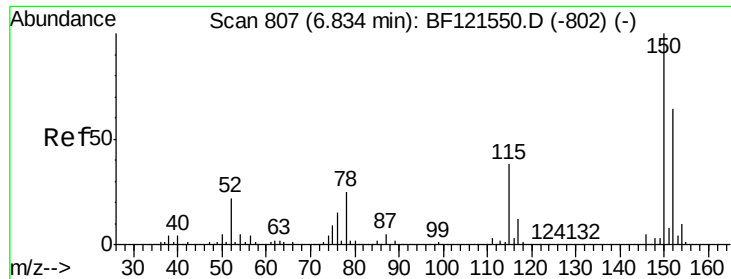
Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

Manual Integrations
APPROVED

mohammad
10/2/2020 12:13:47 PM

Quant Time: Oct 02 00:49:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

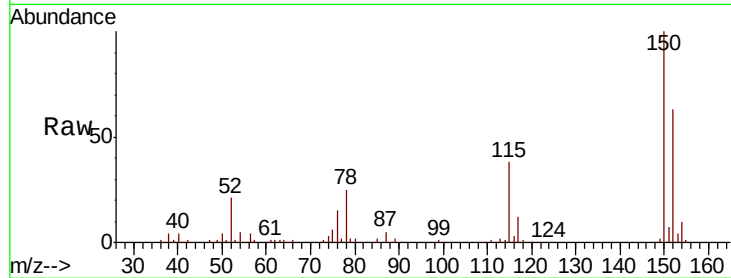
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.3	187.9
115	61.0	51.9	77.9

Manual Integrations
APPROVED

mohammad
10/2/2020 12:13:47 PM

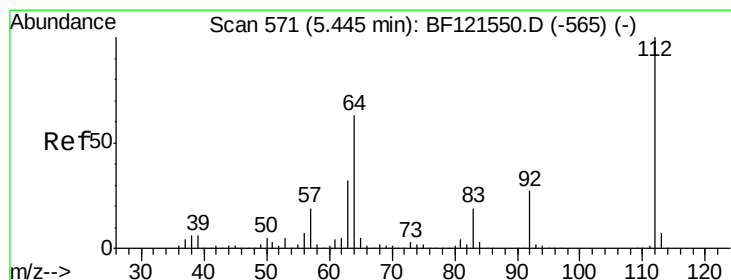
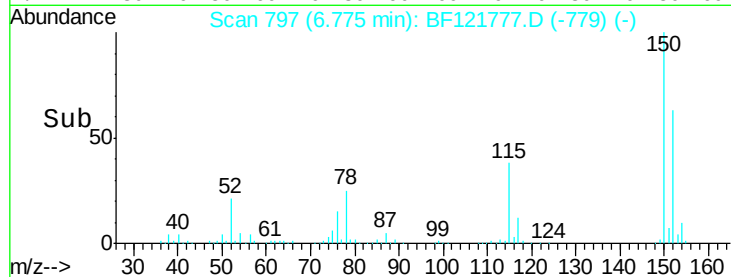
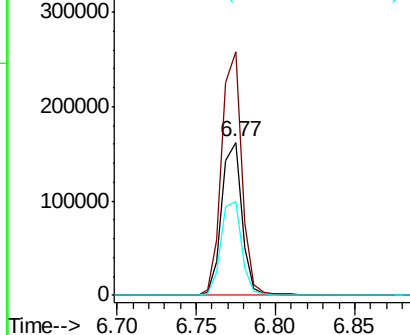


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

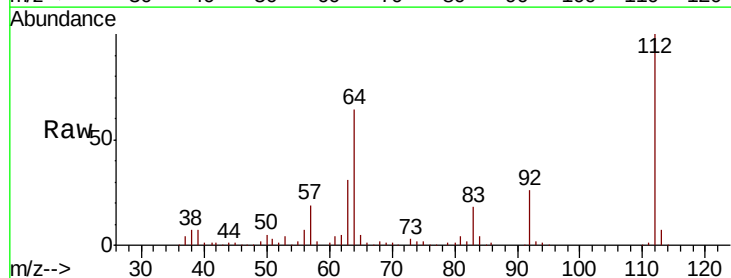
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.099 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	50.4	75.6
63	31.0	25.8	38.6

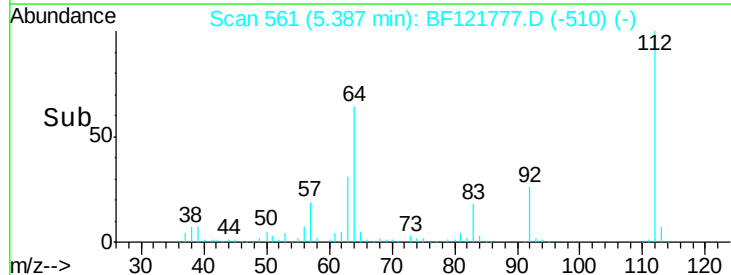
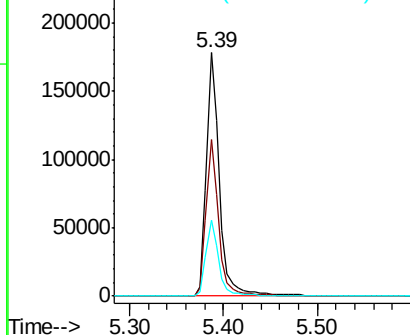


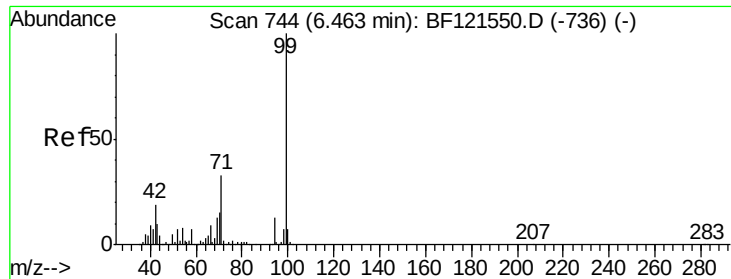
Abundance

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: 17.346 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

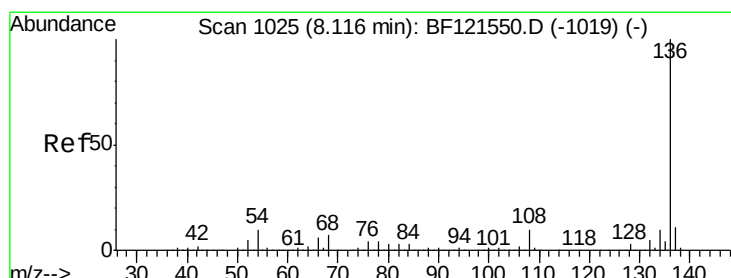
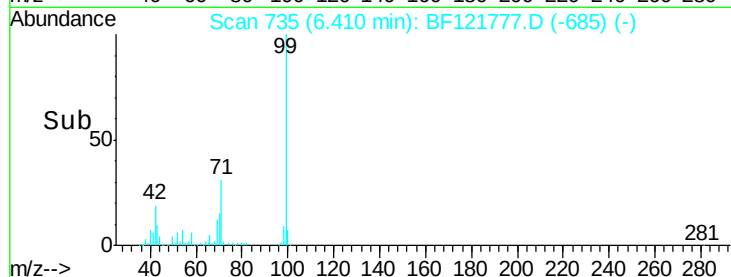
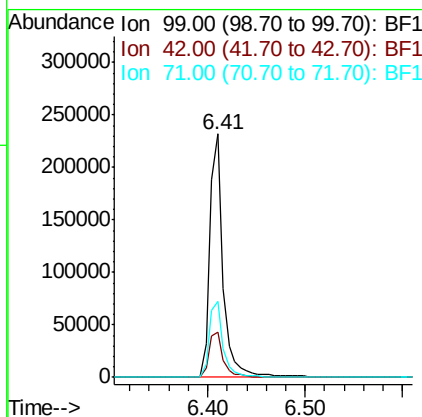
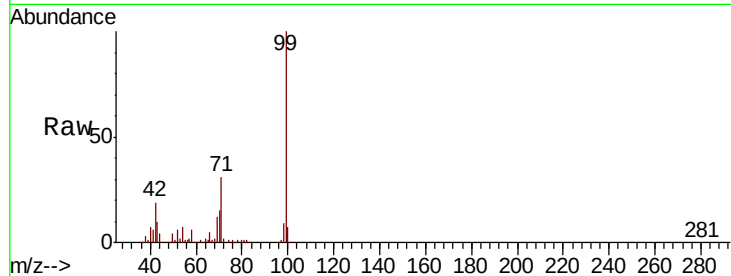
ClientSampleId :

B-12(3-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		220957		
42	18.7	15.9	23.9		
71	31.2	27.1	40.7		

Manual Integrations
APPROVED

mohammad
10/2/2020 12:13:47 PM



#21

Naphthalene-d8

Concen: 20.000 ng

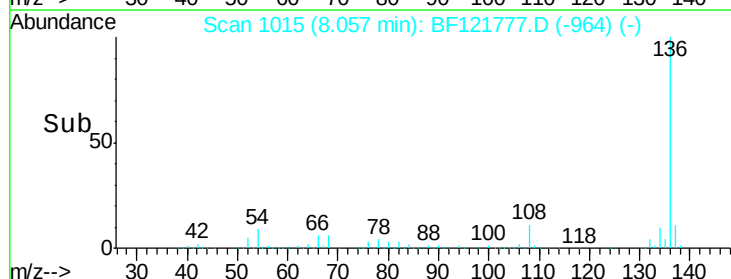
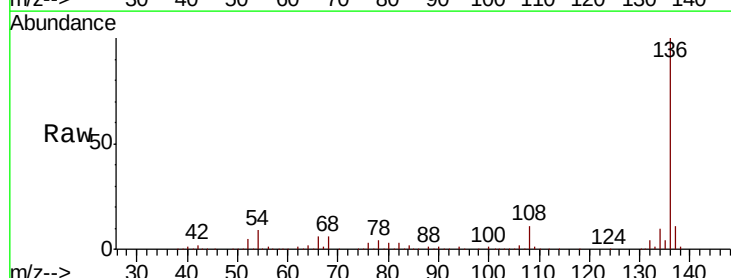
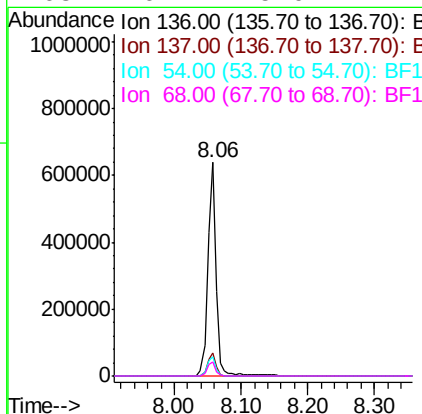
RT: 8.06 min Scan# 1015

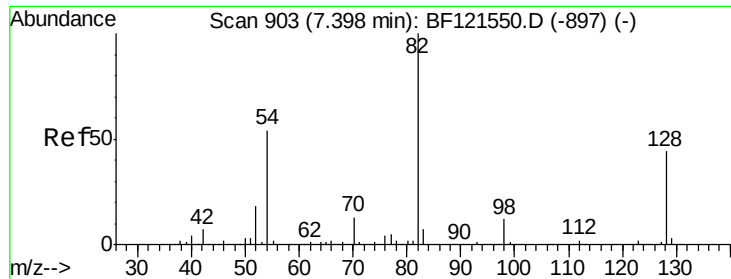
Delta R.T. 0.00 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		548966		
137	11.0	8.6	13.0		
54	9.1	7.1	10.7		
68	6.4	5.0	7.4		





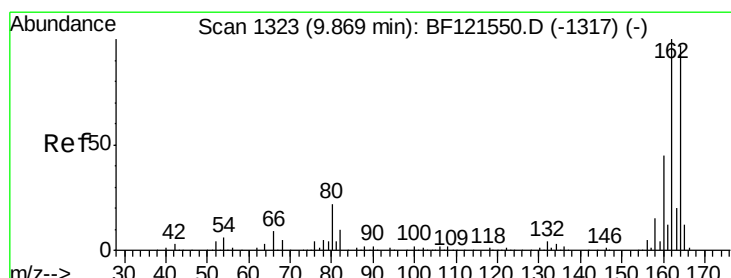
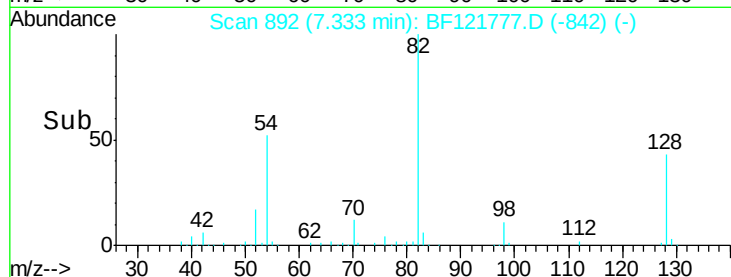
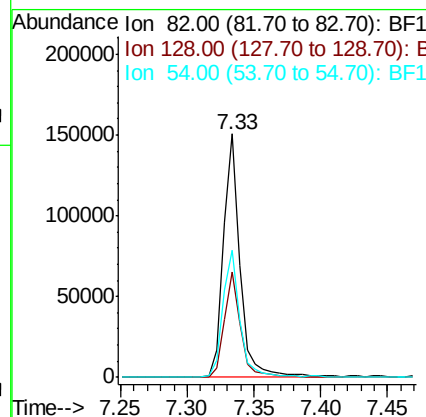
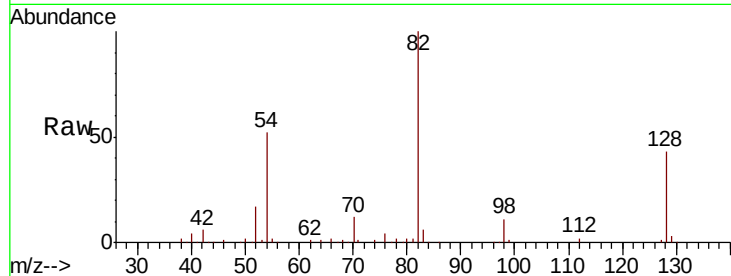
#23
Nitrobenzene-d5
Concen: 13.086 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	35.0	52.4	
54	52.4	43.9	65.9	

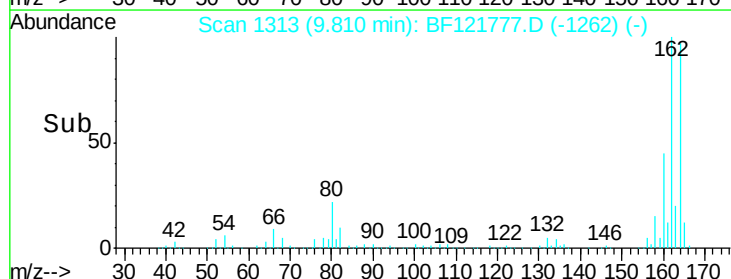
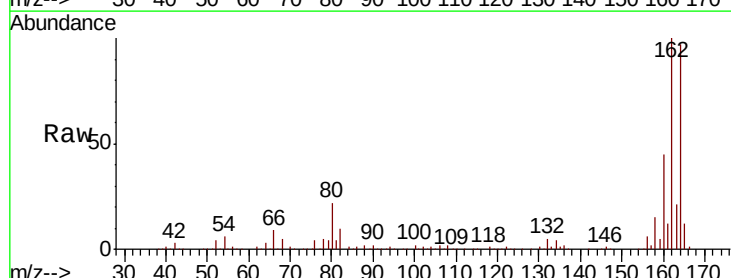
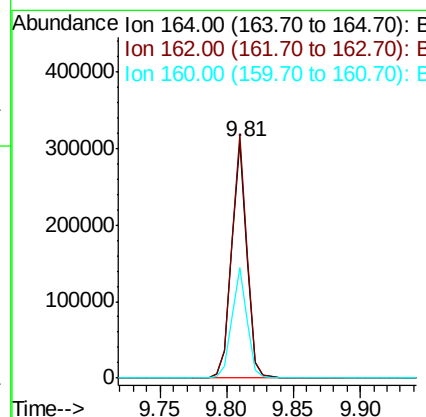
Manual Integrations
APPROVED

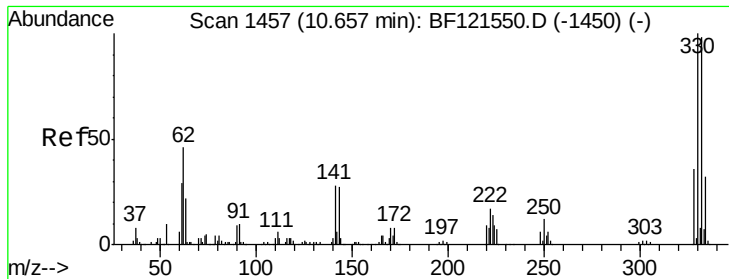
mohammad
10/2/2020 12:13:47 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	83.2	124.8	
160	46.5	37.5	56.3	





#42

2,4,6-Tribromophenol

Concen: 13.249 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

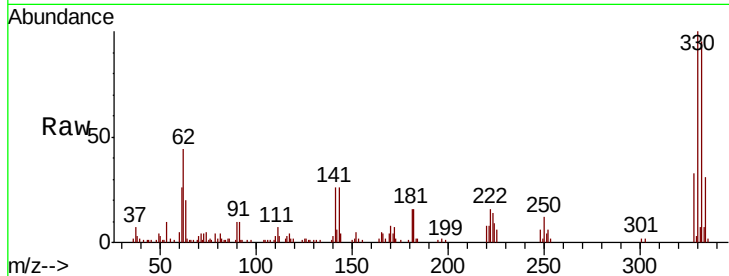
ClientSampleId :

B-12(3-4)

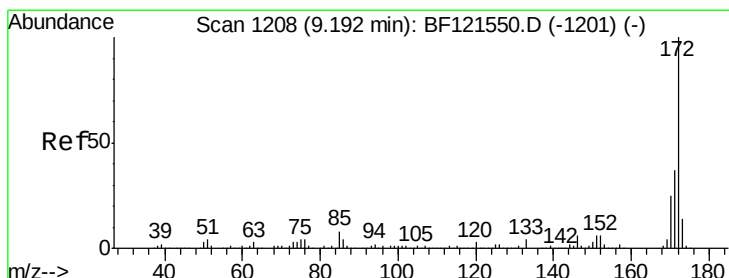
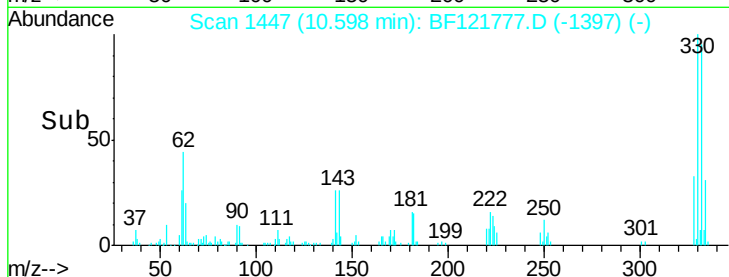
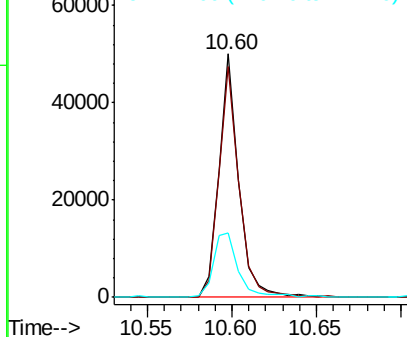
Tot Ion:	330	Resp:	41320
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.3	115.9
141	33.5	22.3	33.5

Manual Integrations
APPROVED

mohammad
10/2/2020 12:13:47 PM



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



#45

2-Fluorobiphenyl

Concen: 15.418 ng

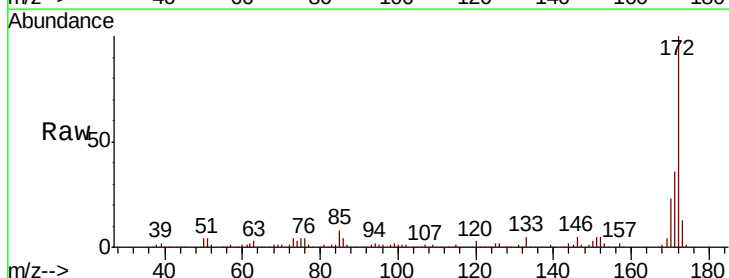
RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

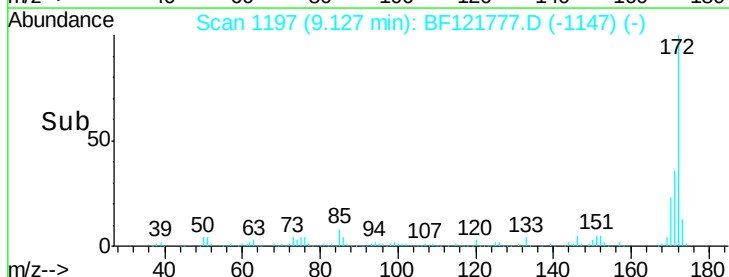
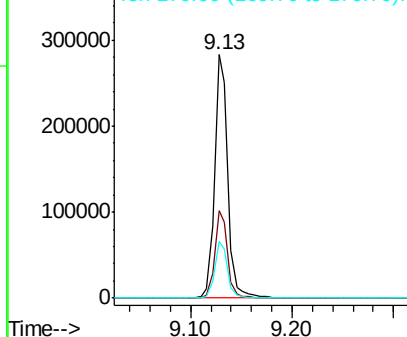
Lab File: BF121777.D

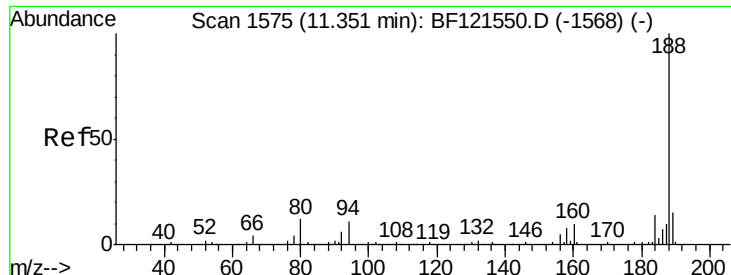
Acq: 1 Oct 2020 20:18

Tgt Ion:	172	Resp:	255450
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.1	43.7
170	23.0	19.8	29.6



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

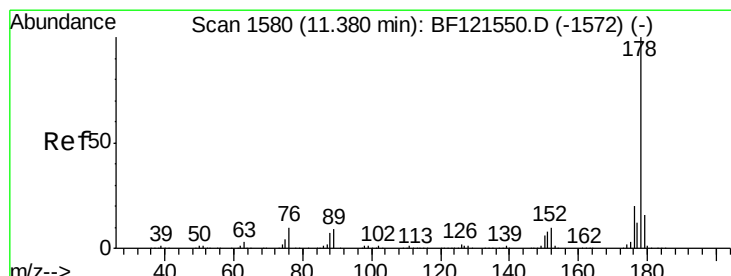
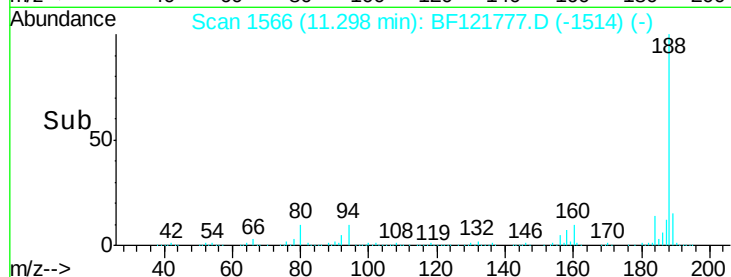
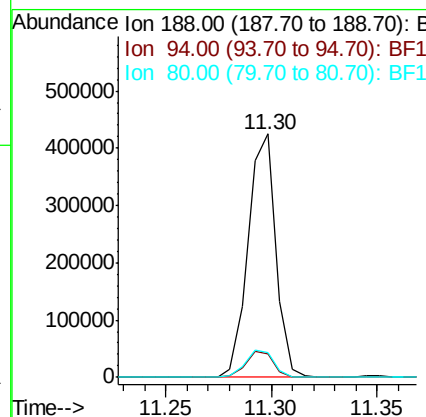
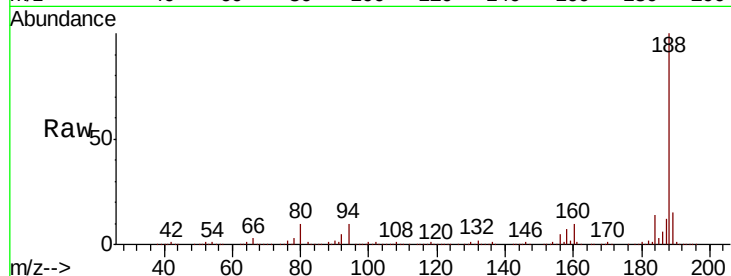
ClientSampled :

B-12(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	385994		
94	9.5	8.3	12.5	
80	10.2	9.1	13.7	

Manual Integrations
APPROVED

mohammad
10/2/2020 12:13:47 PM



#71

Phenanthrene

Concen: 16.308 ng

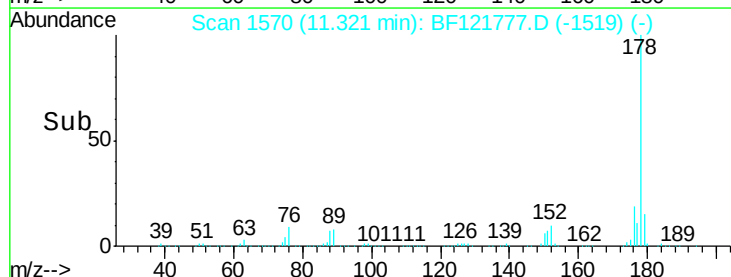
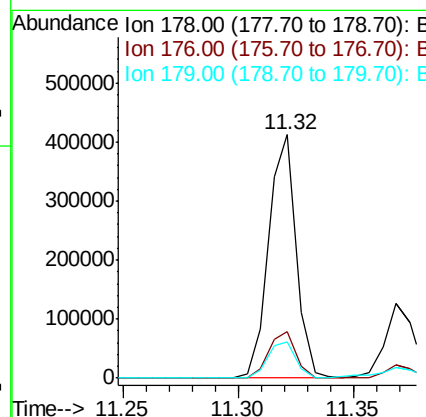
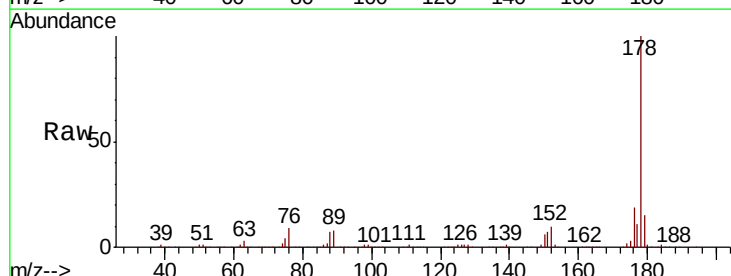
RT: 11.32 min Scan# 1570

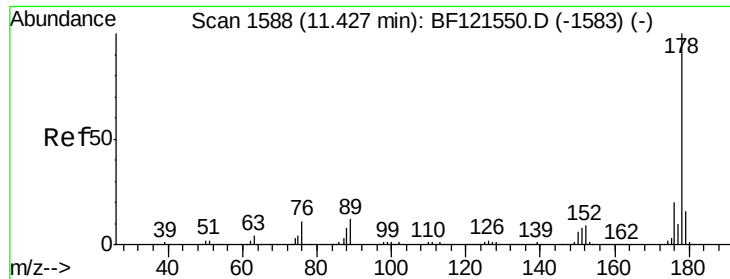
Delta R.T. 0.00 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	342967		
176	19.3	15.9	23.9	
179	15.1	12.2	18.4	





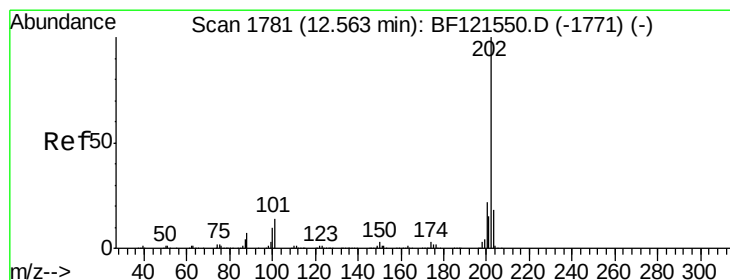
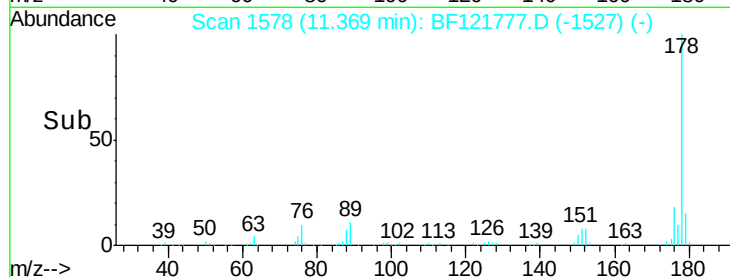
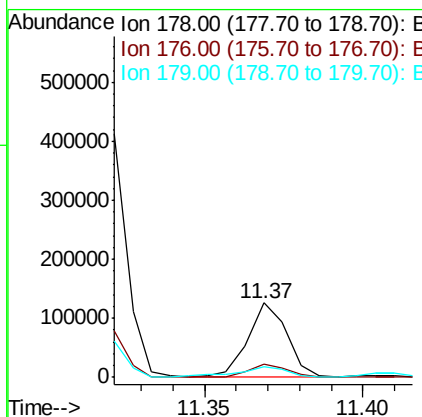
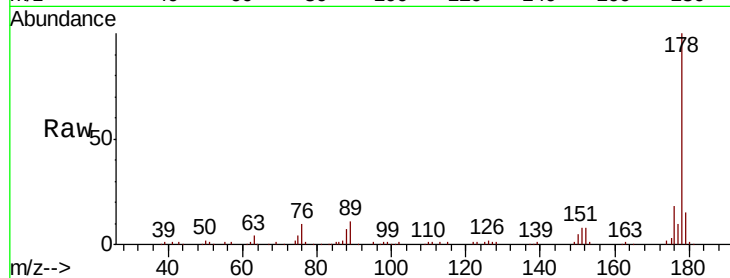
#72
 Anthracene
 Concen: 4.902 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Instrument :
 BNA_F
 ClientSampled :
 B-12(3-4)

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.0	15.7	23.5	
179	14.8	12.7	19.1	

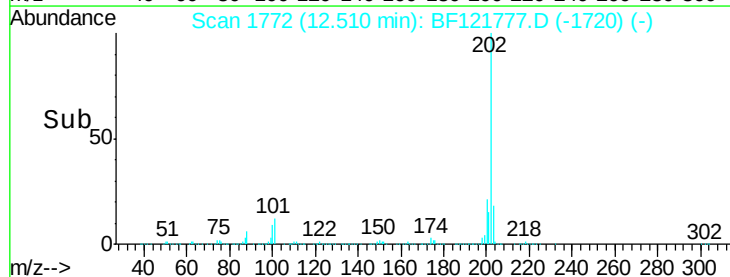
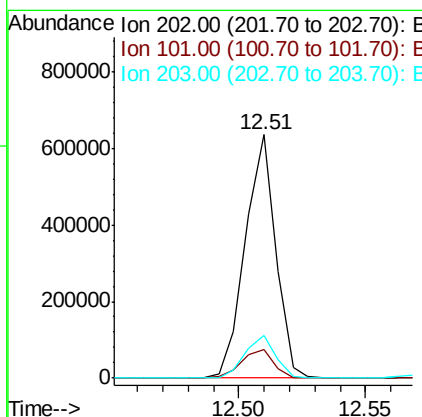
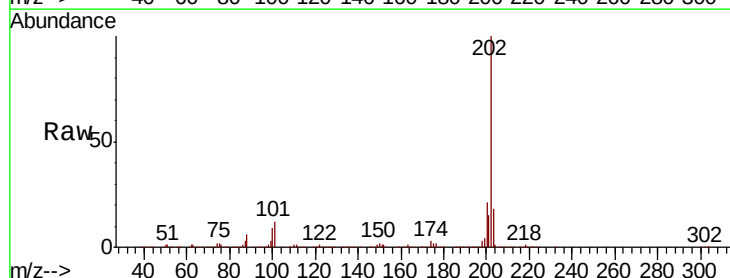
Manual Integrations
 APPROVED

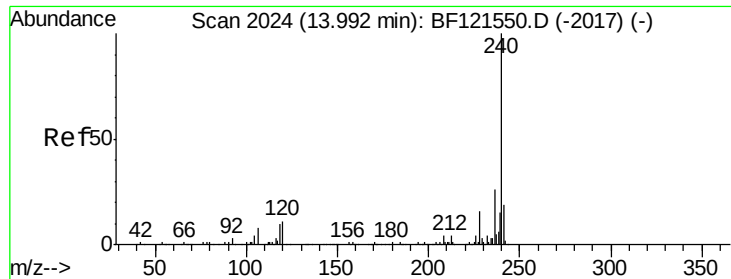
mohammad
 10/2/2020 12:13:47 PM



#75
 Fluoranthene
 Concen: 23.724 ng
 RT: 12.51 min Scan# 1772
 Delta R.T. 0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.8	0.0	33.4	
203	17.6	0.0	37.9	





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Instrument :

BNA_F

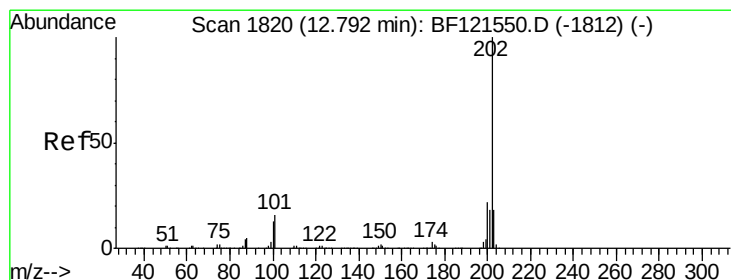
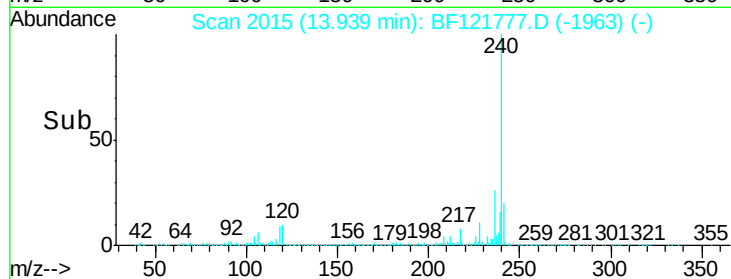
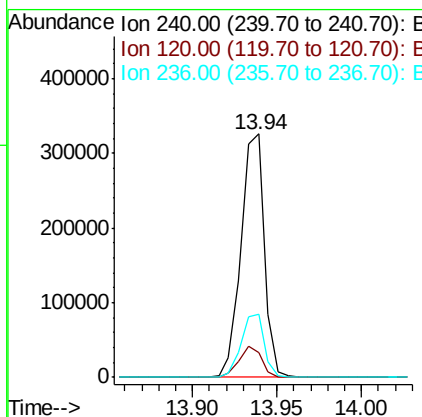
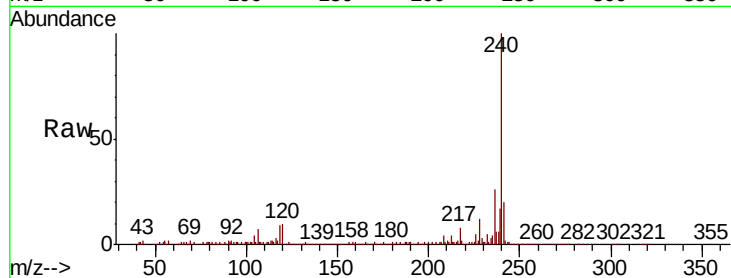
ClientSampleId :

B-12(3-4)

Tot Ion:	240	Resp:	314168
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.2	13.8
236	26.2	20.9	31.3

Manual Integrations
APPROVED

mohammad
10/2/2020 12:13:47 PM



#78

Pyrene

Concen: 20.684 ng

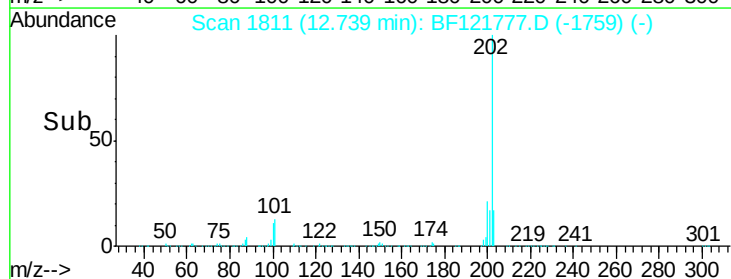
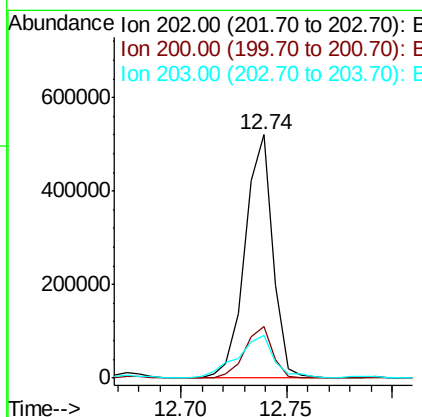
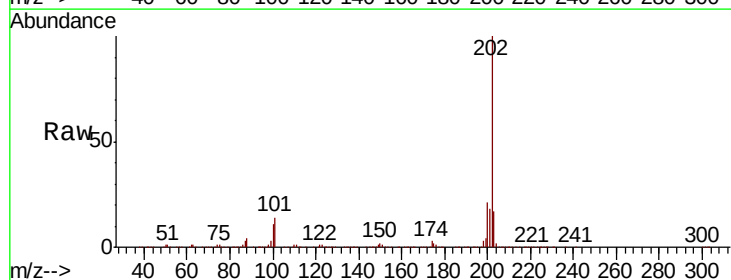
RT: 12.74 min Scan# 1811

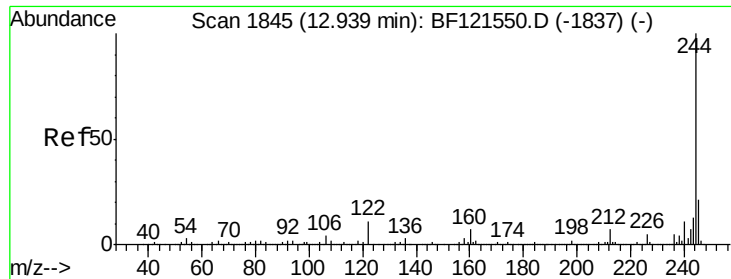
Delta R.T. 0.01 min

Lab File: BF121777.D

Acq: 1 Oct 2020 20:18

Tgt Ion:	202	Resp:	474781
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.4	14.6	21.8





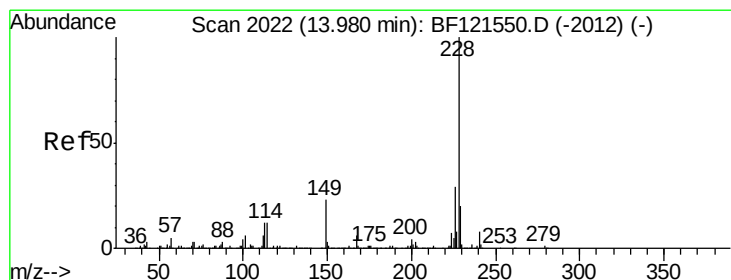
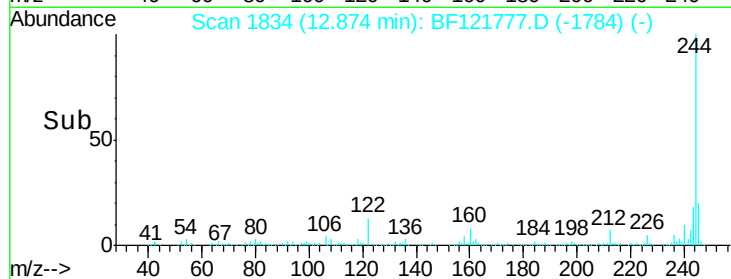
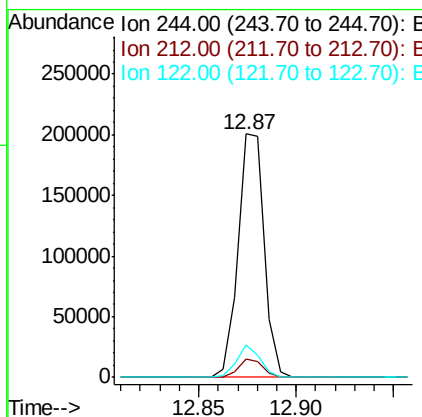
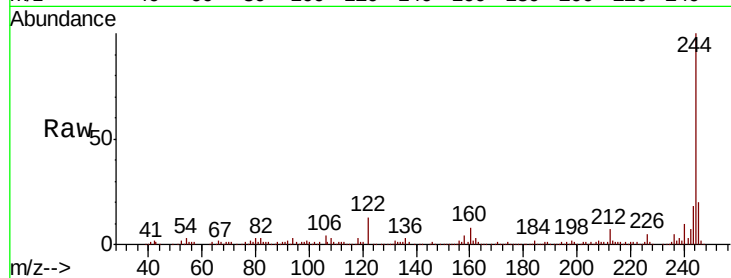
#79
 Terphenyl-d14
 Concen: 11.994 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	13.1	8.1	12.1

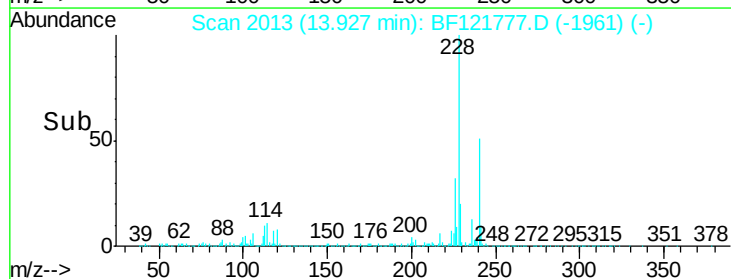
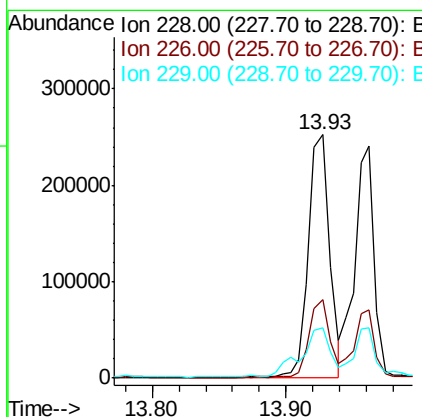
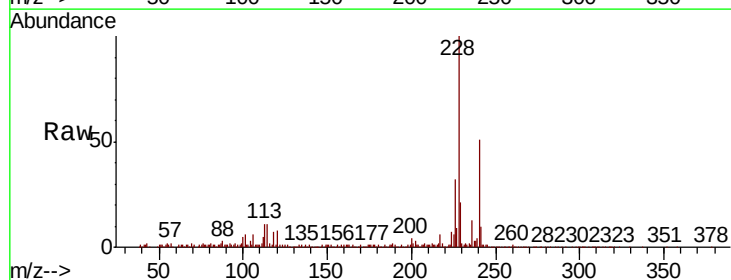
Manual Integrations
 APPROVED

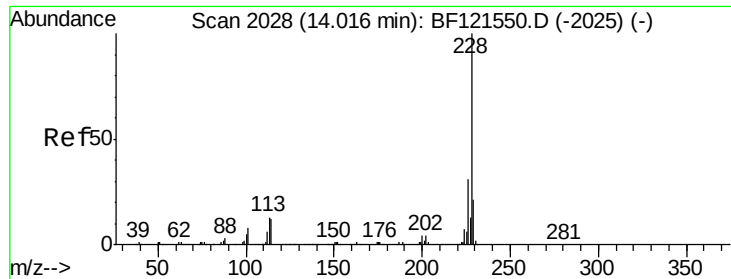
mohammad
 10/2/2020 12:13:47 PM



#81
 Benzo(a)anthracene
 Concen: 13.733 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.3	33.5
229	20.9	16.2	24.4





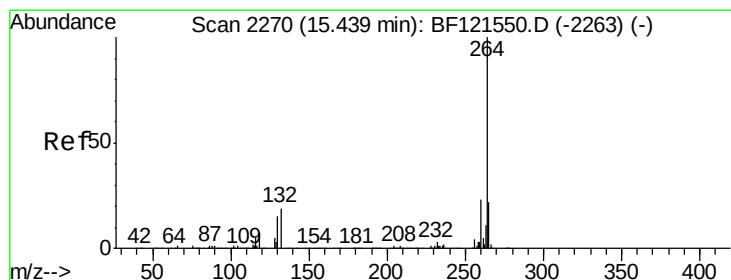
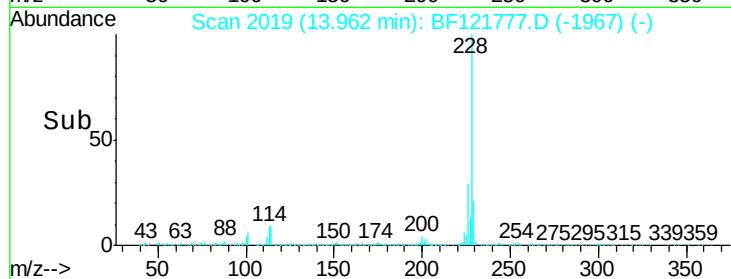
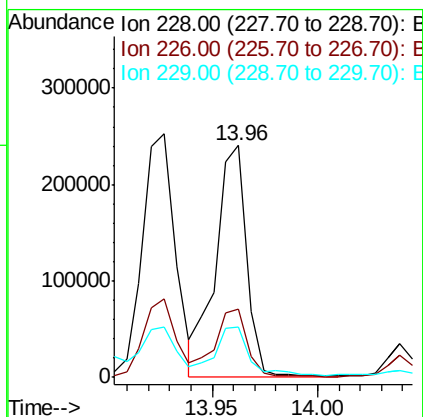
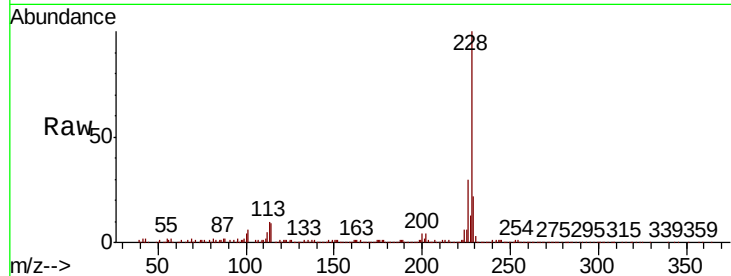
#83
Chrysene
Concen: 12.151 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	37.0
229	21.8	15.9	23.9

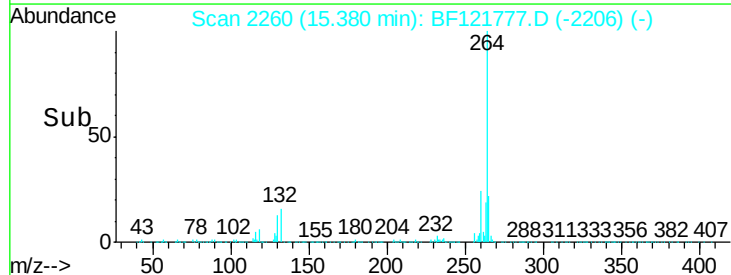
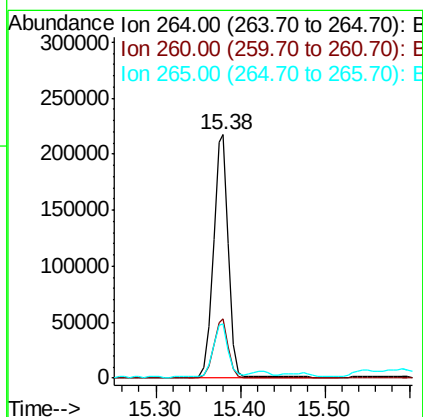
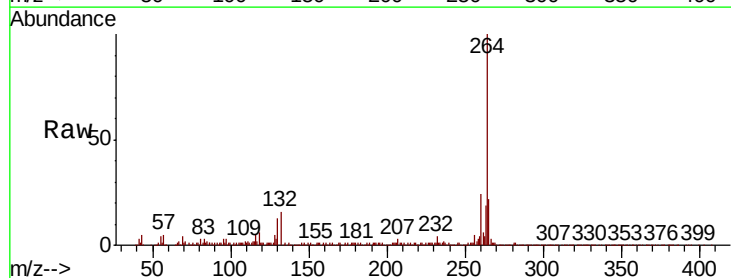
Manual Integrations
APPROVED

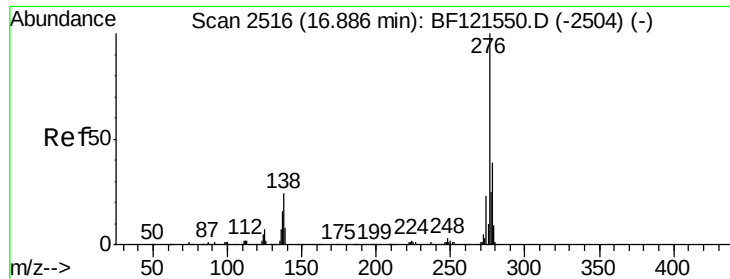
mohammad
10/2/2020 12:13:47 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.0	17.3	25.9





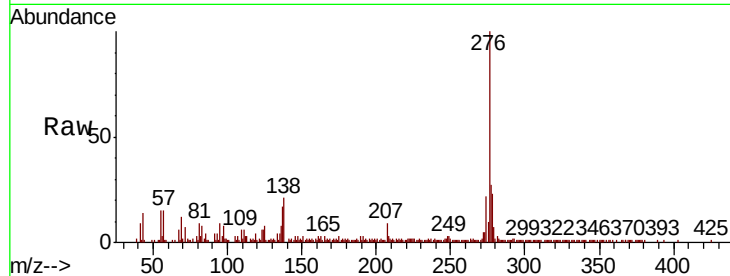
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.896 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. 0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

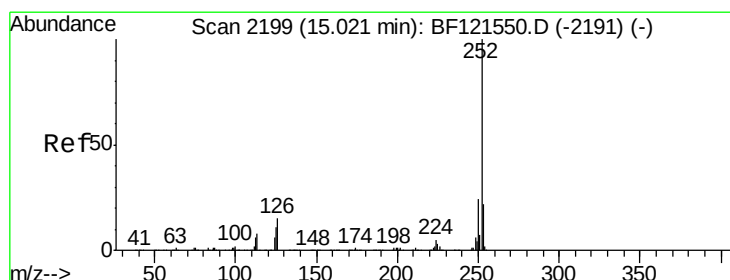
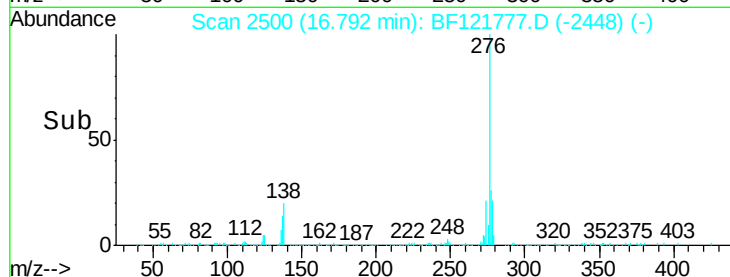
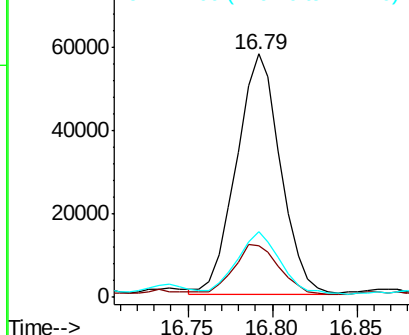
Tot Ion:	276	Resp:	104621
Ion Ratio		Lower	Upper
276	100		
138	21.3	19.9	29.9
277	25.8	20.4	30.6

Manual Integrations
 APPROVED

mohammad
 10/2/2020 12:13:47 PM

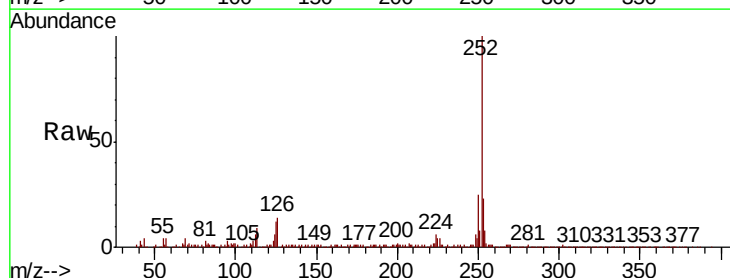


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

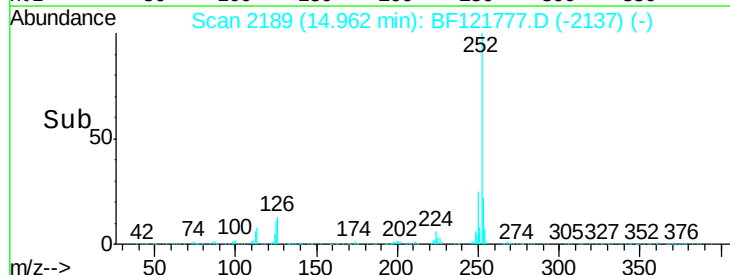
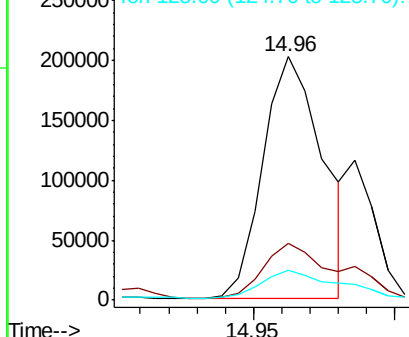


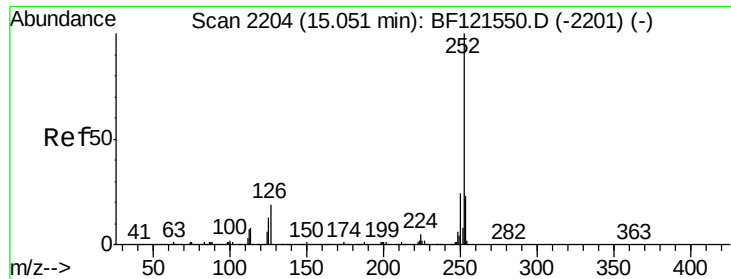
#88
 Benzo(b)fluoranthene
 Concen: 16.417 ng m
 RT: 14.96 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Tgt Ion:	252	Resp:	299034
Ion Ratio		Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.4	8.0	12.0#



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





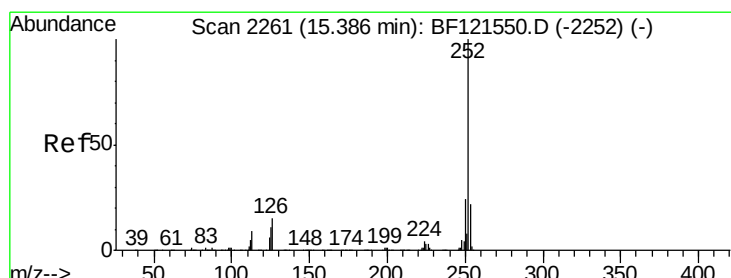
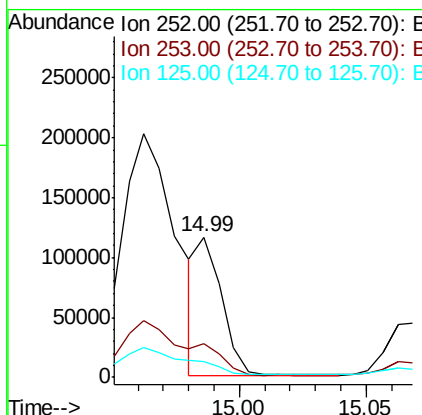
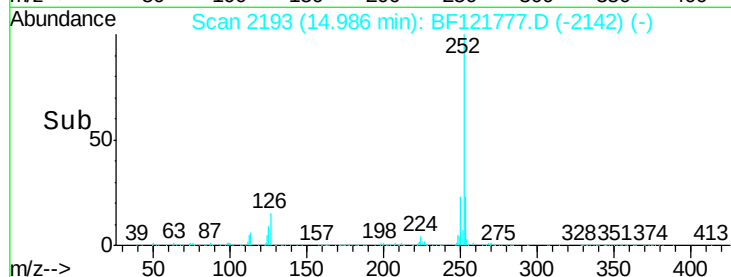
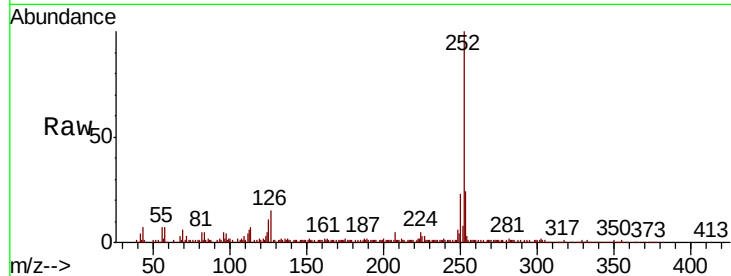
#89
Benzo(k)fluoranthene
Concen: 4.668 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Instrument :
BNA_F
ClientSampled :
B-12(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	11.2	7.7	11.5

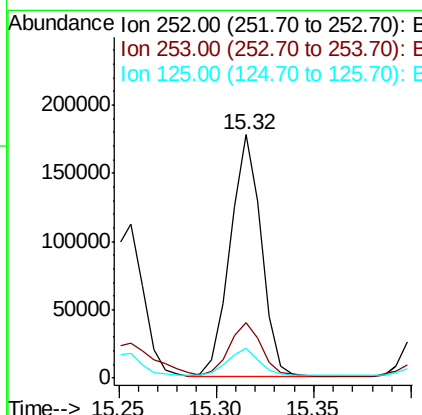
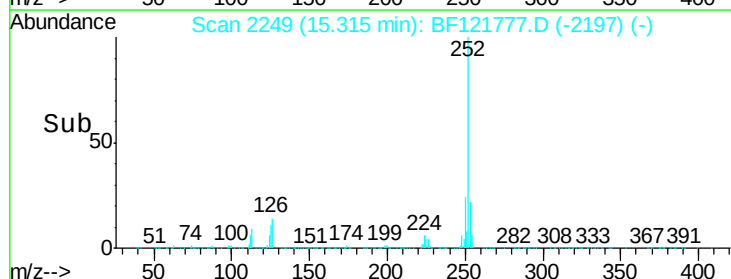
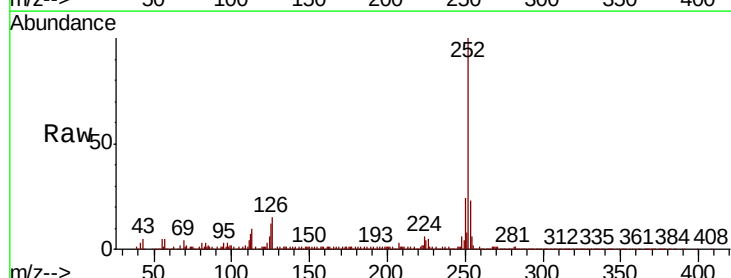
Manual Integrations
APPROVED

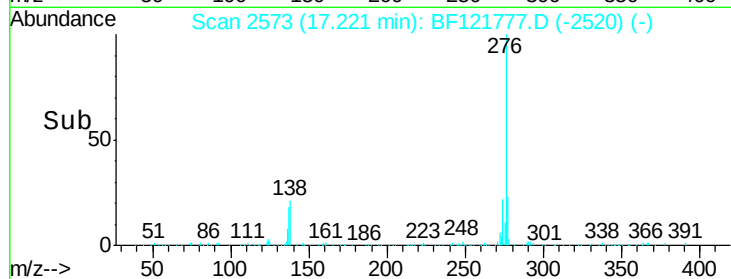
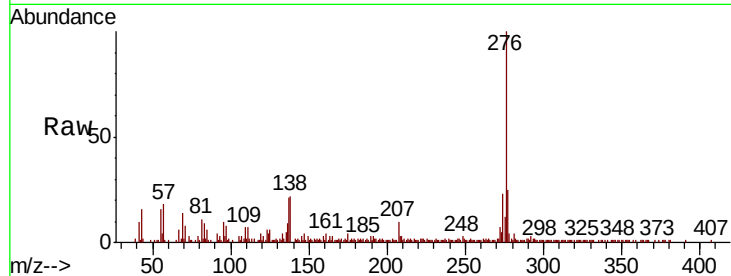
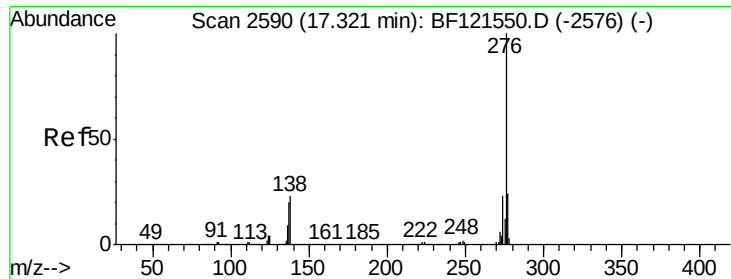
mohammad
10/2/2020 12:13:47 PM



#90
Benzo(a)pyrene
Concen: 12.658 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF121777.D
Acq: 1 Oct 2020 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	12.3	8.6	13.0





#92
 Benzo(a,h,i)perylene
 Concen: 6.599 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. 0.01 min
 Lab File: BF121777.D
 Acq: 1 Oct 2020 20:18

Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.4	29.2
138	21.7	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 10/2/2020 12:13:47 PM

