

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121712.D
 Acq On : 28 Sep 2020 15:08
 Operator : JU/CG
 Sample : L4154-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(10-12)

Manual Integrations
 APPROVED

mohammad
 9/29/2020 3:24:26 PM

Quant Time: Sep 29 07:08:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	152105	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	586916	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	304382	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	551535	20.00	ng	0.00
76) Chrysene-d12	13.95	240	334264	20.00	ng	0.00
86) Perylene-d12	15.40	264	344771	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	758031	74.06	ng	0.00
7) Phenol-d6	6.43	99	1062284	79.11	ng	0.00
23) Nitrobenzene-d5	7.36	82	742613	67.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	211590	55.93	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1268211	63.10	ng	0.00
79) Terphenyl-d14	12.90	244	1136569	68.89	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.55	163	135281	6.132	ng	99
58) Fluorene	10.37	166	44053	2.195	ng	99
71) Phenanthrene	11.34	178	770916	25.655	ng	98
72) Anthracene	11.39	178	183344	5.912	ng	98
73) Carbazole	11.55	167	66375	2.372	ng	98
75) Fluoranthene	12.53	202	1069447	33.339	ng	99
78) Pyrene	12.76	202	978212	40.054	ng	99
81) Benzo(a)anthracene	13.94	228	447961	21.183	ng	99
83) Chrysene	13.98	228	393776	18.388	ng	98
87) Indeno(1,2,3-cd)pyrene	16.82	276	271284	12.083	ng	95
88) Benzo(b)fluoranthene	14.98	252	494441m	21.452	ng	
89) Benzo(k)fluoranthene	15.00	252	145639m	6.900	ng	
90) Benzo(a)pyrene	15.34	252	367851	18.776	ng	98
91) Dibenzo(a,h)anthracene	16.83	278	74226m	3.971	ng	
92) Benzo(a,h,i)perylene	17.25	276	257614	14.022	ng	99

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

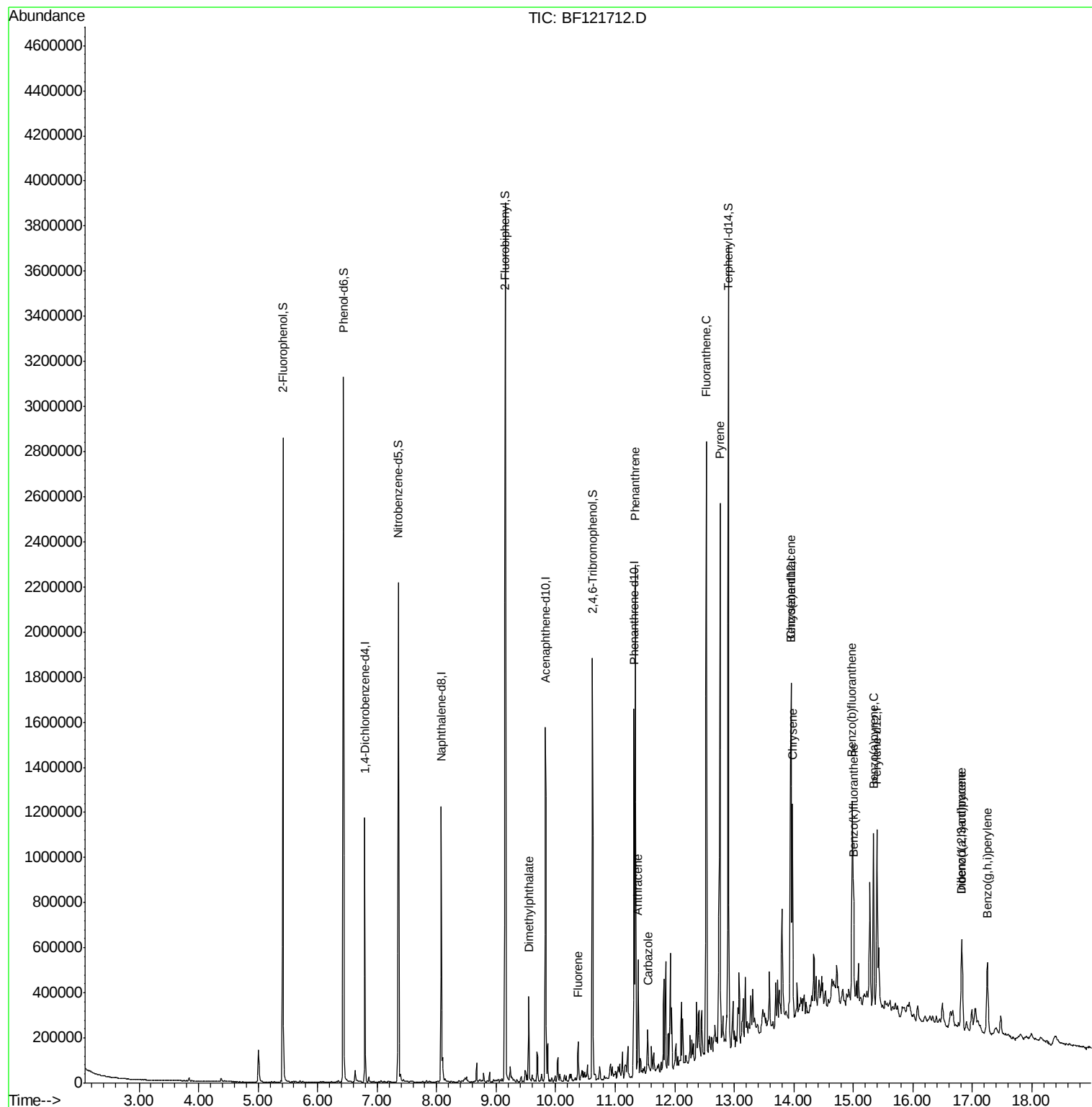
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121712.D
Acq On : 28 Sep 2020 15:08
Operator : JU/CG
Sample : L4154-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

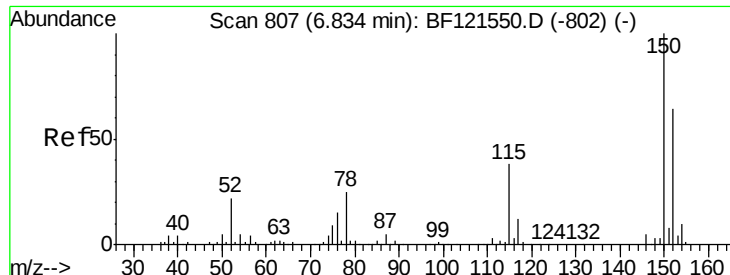
Instrument :
BNA_F
ClientSampleId :
B-4(10-12)

Manual Integrations
APPROVED

mohammad
9/29/2020 3:24:26 PM

Quant Time: Sep 29 07:08:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 11:40:42 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Instrument :

BNA_F

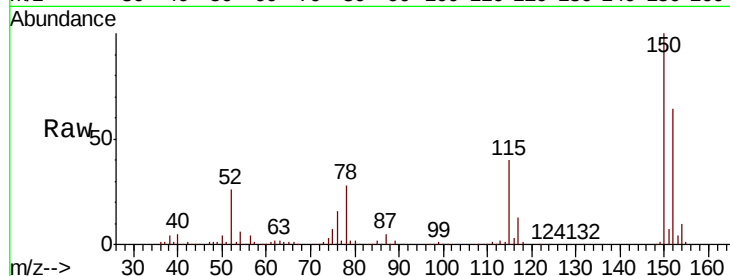
ClientSampleId :

B-4(10-12)

Tot Ion:	152	Resp:	152105
Ion Ratio	Lower	Upper	
152	100		
150	156.9	122.6	184.0
115	63.5	47.1	70.7

Manual Integrations
APPROVED

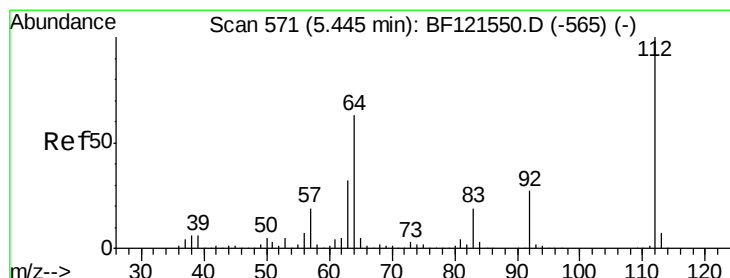
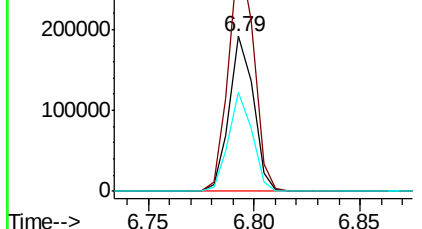
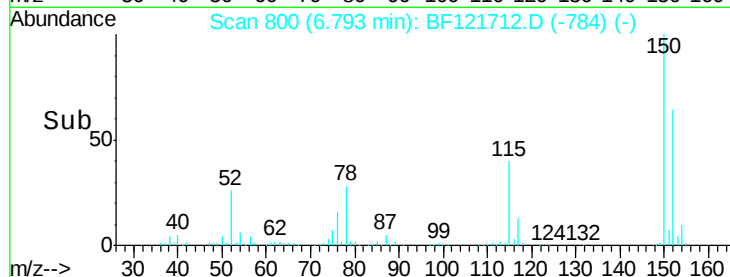
mohammad
9/29/2020 3:24:26 PM



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: 74.063 ng

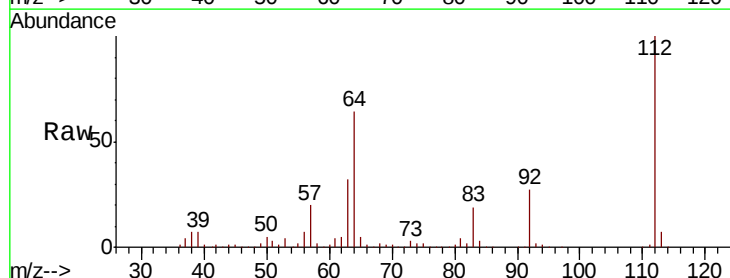
RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

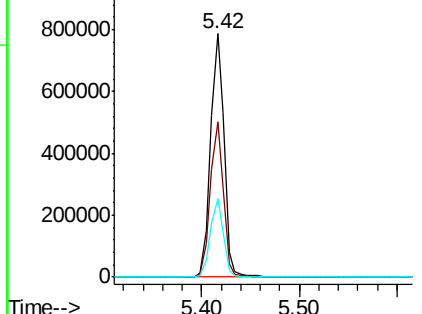
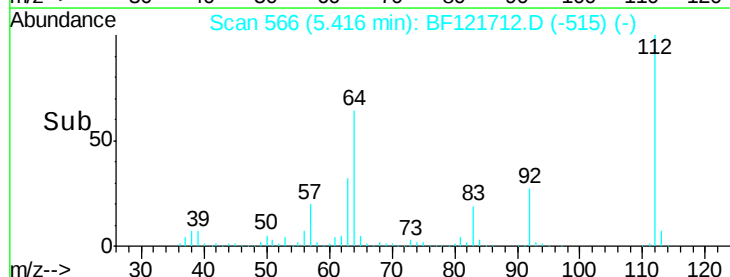
Tgt Ion:	112	Resp:	758031
Ion Ratio	Lower	Upper	
112	100		
64	63.7	49.5	74.3
63	32.4	25.4	38.0

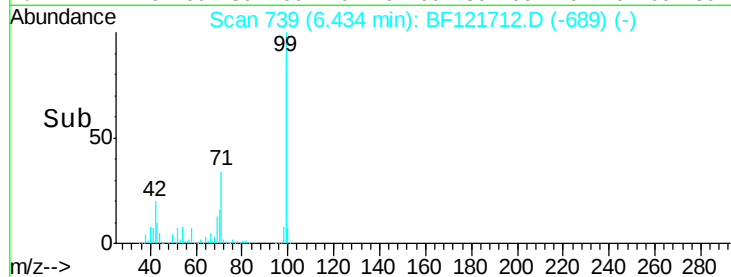
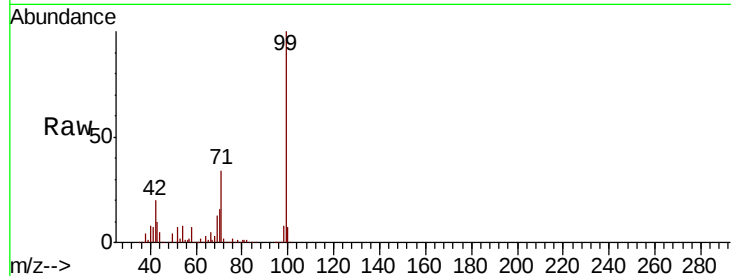


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.111 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Tot Ion:	99	Resp:	1062284
Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.1	24.1
71	34.3	27.6	41.4

Instrument :

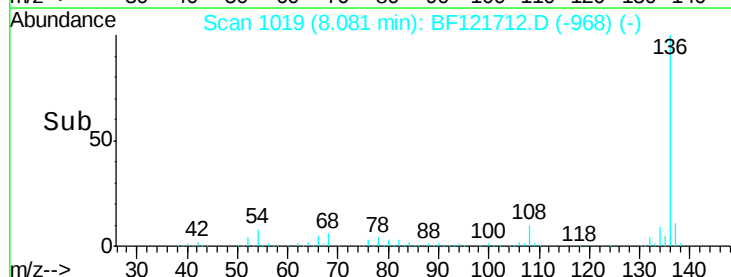
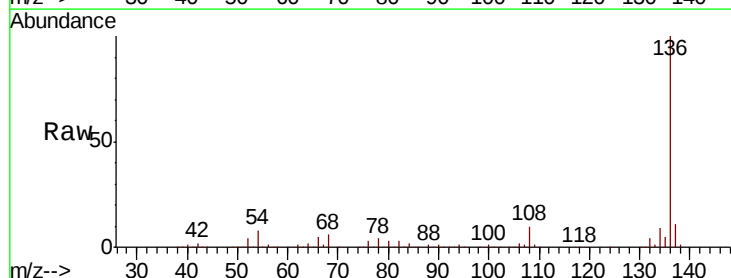
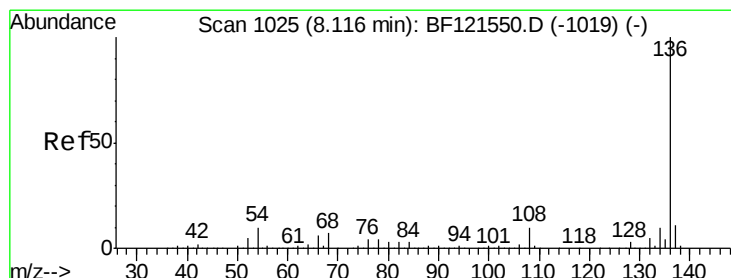
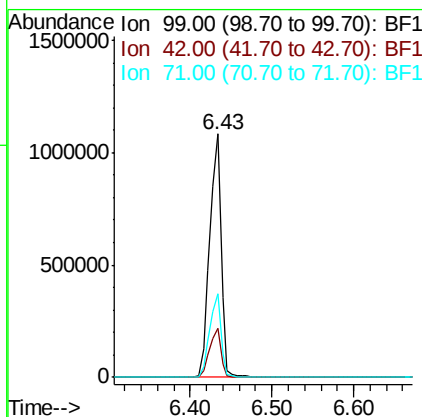
BNA_F

ClientSampleId :

B-4(10-12)

Manual Integrations
APPROVED

mohammad
9/29/2020 3:24:26 PM



#21

Naphthalene-d8

Concen: 20.000 ng

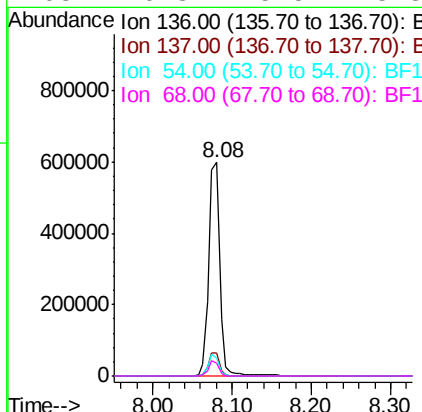
RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Tgt Ion:	136	Resp:	586916
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.4	7.5	11.3
68	6.3	5.5	8.3





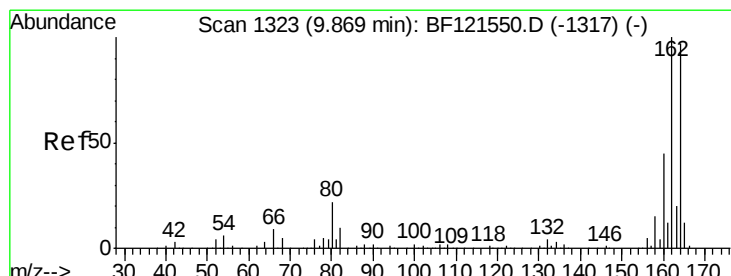
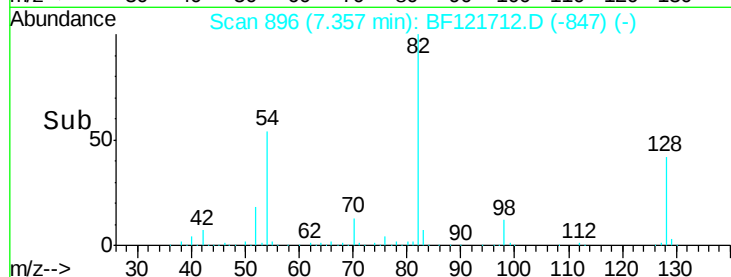
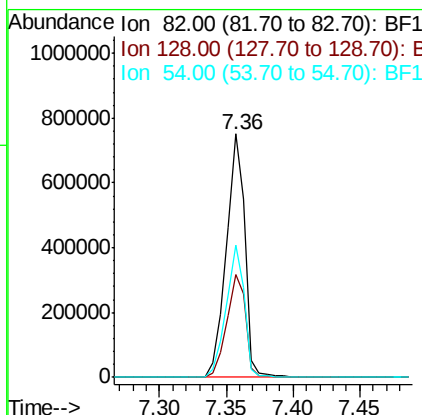
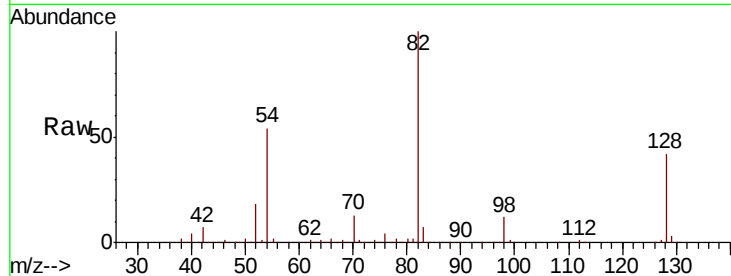
#23
Nitrobenzene-d5
Concen: 67.935 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Instrument :
BNA_F
ClientSampleId :
B-4(10-12)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.8	53.6
54	54.1	42.6	63.8

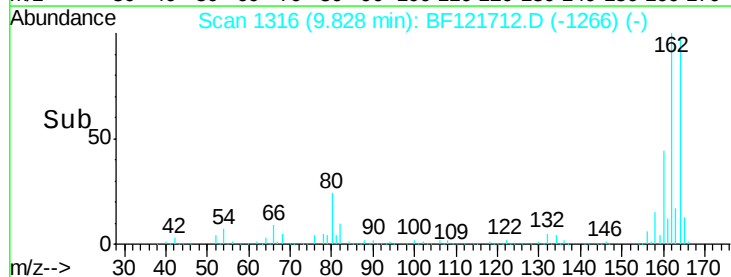
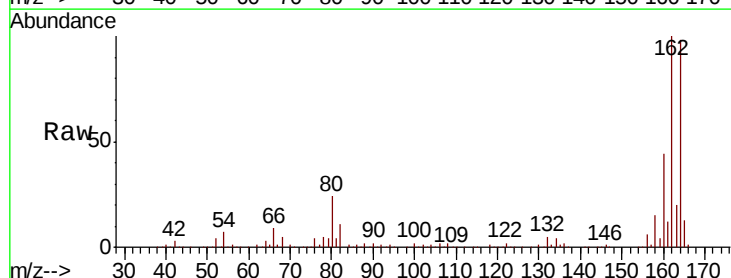
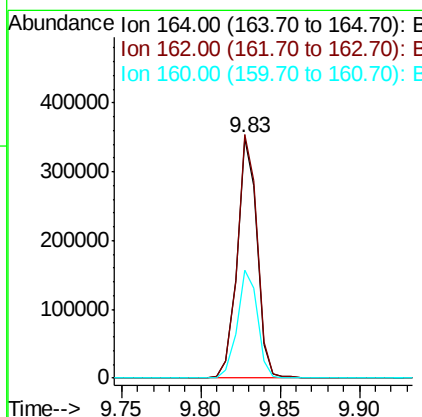
Manual Integrations
APPROVED

mohammad
9/29/2020 3:24:26 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.1	123.1
160	45.0	36.8	55.2





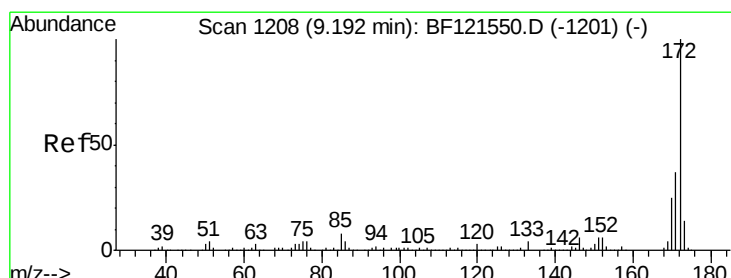
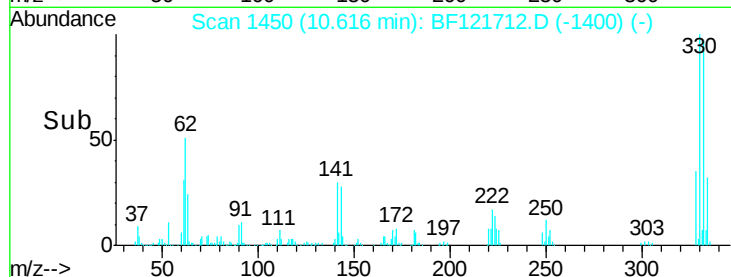
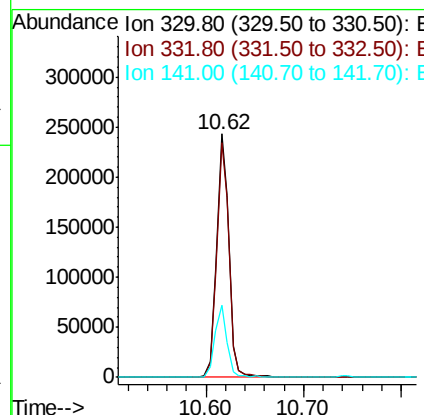
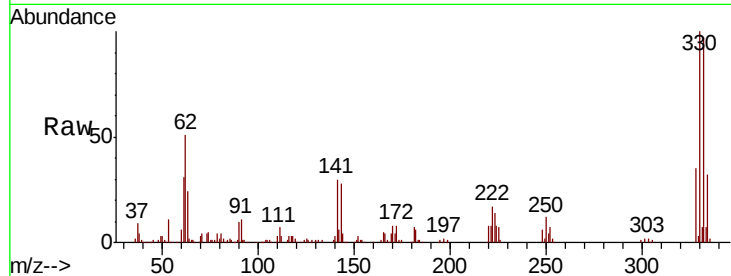
#42
 2,4,6-Tribromophenol
 Concen: 55.931 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF121712.D
 Acq: 28 Sep 2020 15:08

Instrument :
 BNA_F
 ClientSampleId :
 B-4(10-12)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	211590		
332	96.6	76.0	114.0	
141	30.2	22.2	33.4	

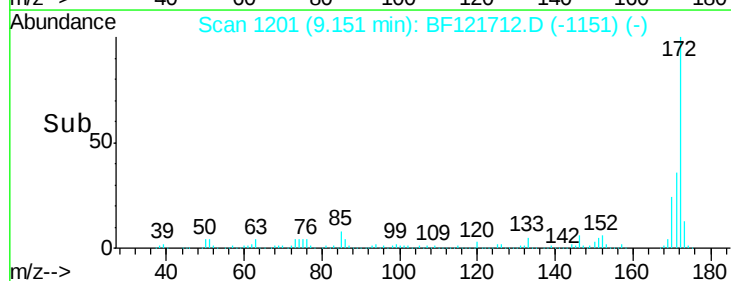
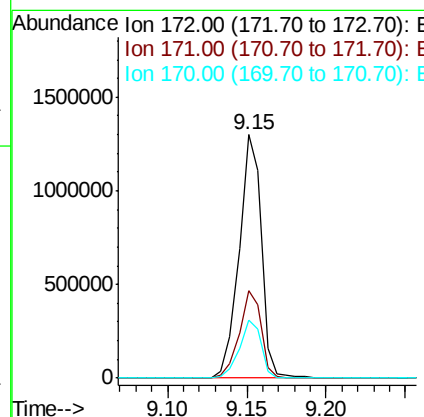
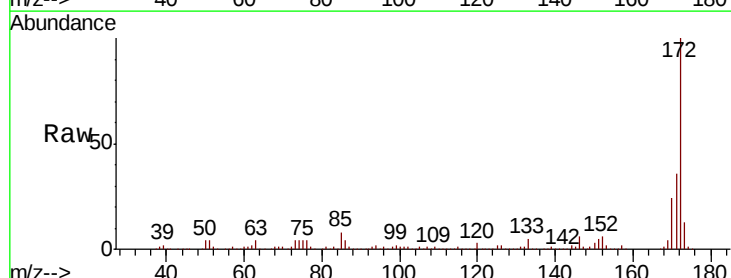
Manual Integrations
 APPROVED

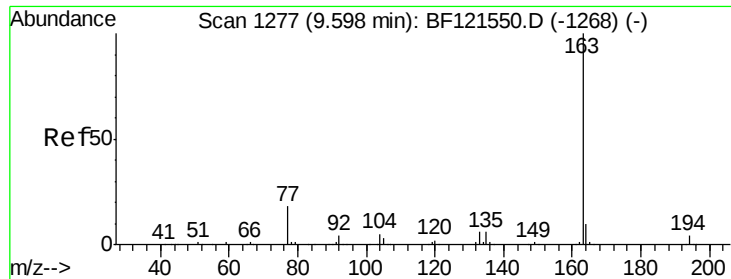
mohammad
 9/29/2020 3:24:26 PM



#45
 2-Fluorobiphenyl
 Concen: 63.103 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121712.D
 Acq: 28 Sep 2020 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1268211		
171	35.9	29.0	43.6	
170	24.0	19.5	29.3	





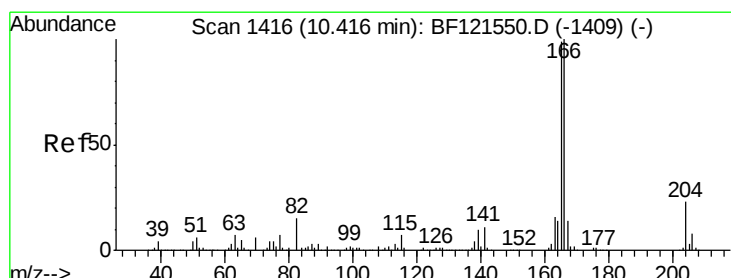
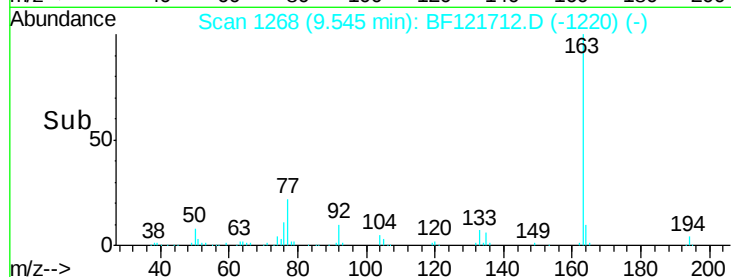
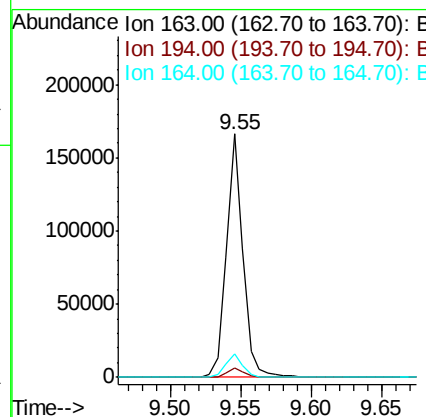
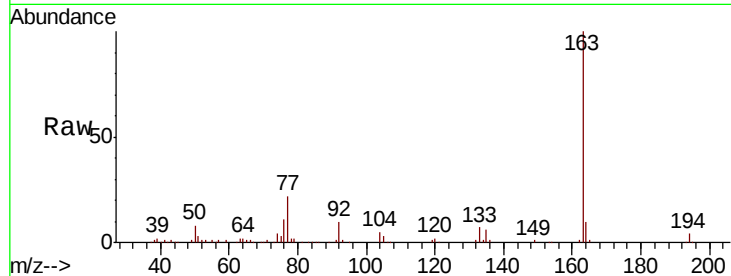
#50
Dimethylphthalate
Concen: 6.132 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Instrument :
BNA_F
ClientSampleId :
B-4(10-12)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.8		3.4	5.0	
164	9.7		8.2	12.2	

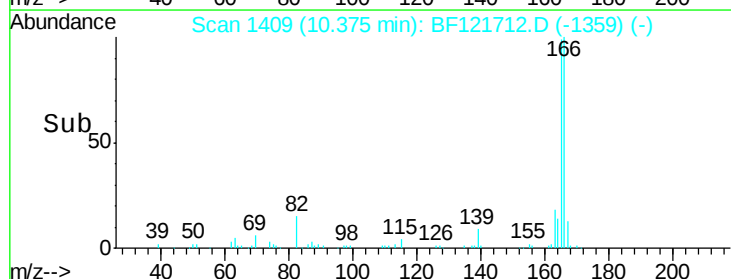
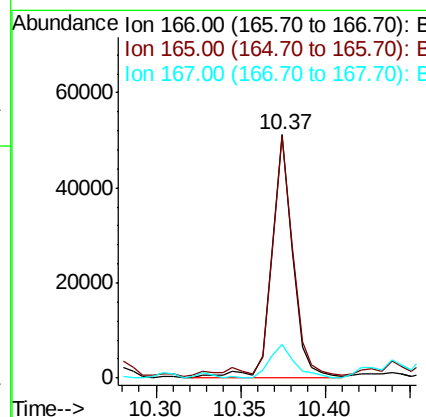
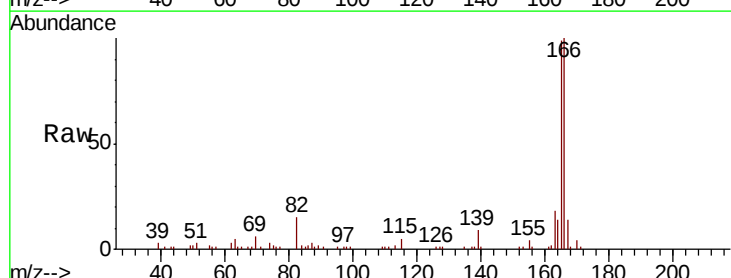
Manual Integrations
APPROVED

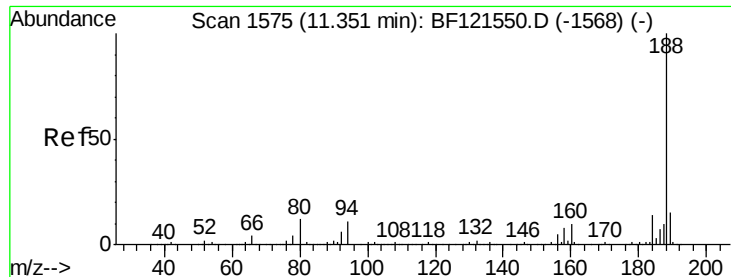
mohammad
9/29/2020 3:24:26 PM



#58
Fluorene
Concen: 2.195 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	99.5		78.8	118.2	
167	13.9		11.0	16.4	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Instrument :

BNA_F

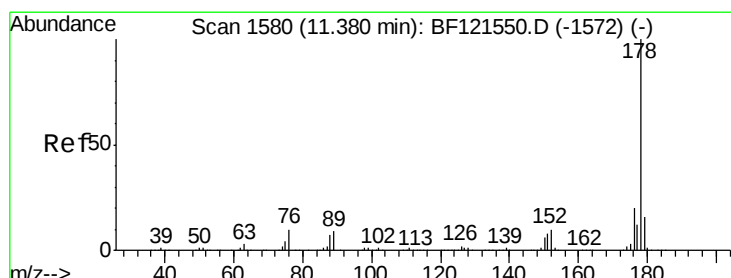
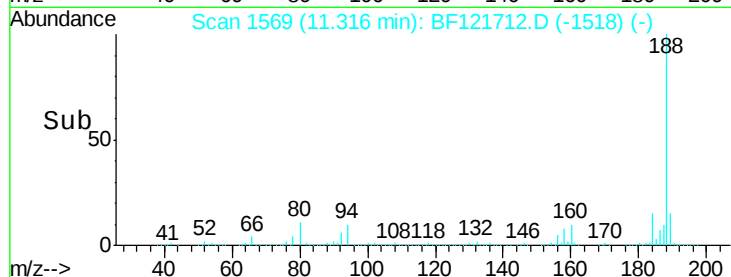
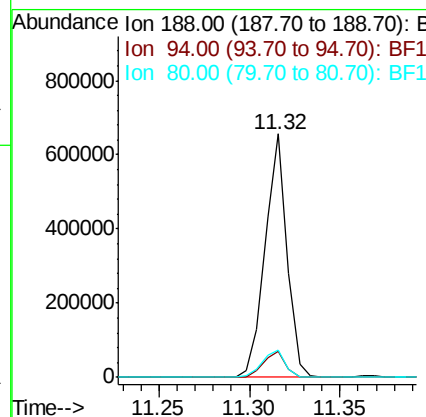
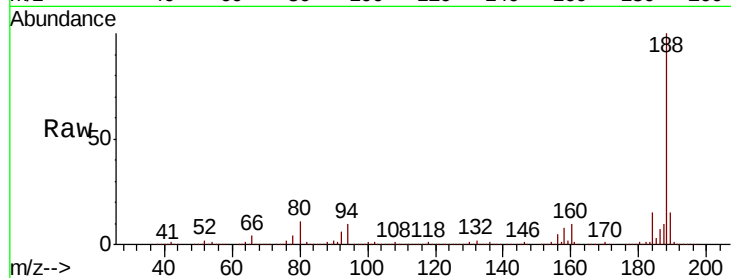
ClientSampleId :

B-4(10-12)

Tot Ion:	188	Resp:	551535
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.4	12.6
80	11.2	9.3	13.9

Manual Integrations
APPROVED

mohammad
9/29/2020 3:24:26 PM



#71

Phenanthrene

Concen: 25.655 ng

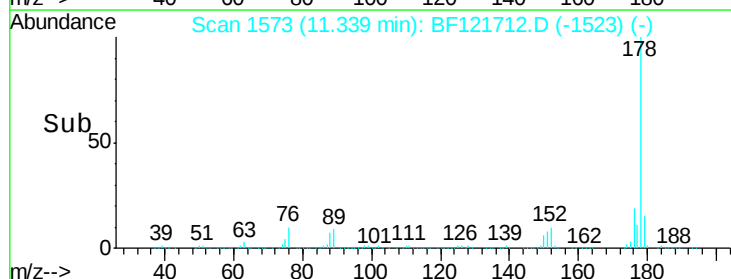
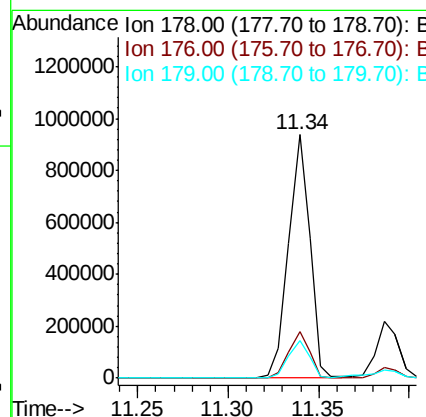
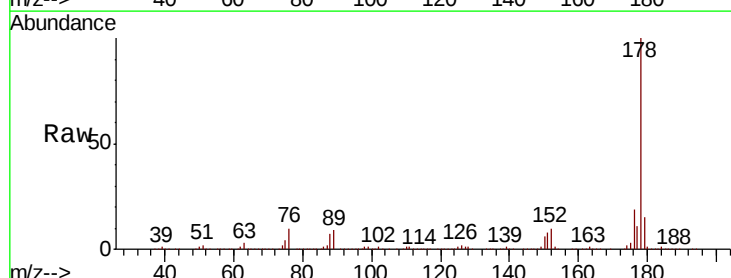
RT: 11.34 min Scan# 1573

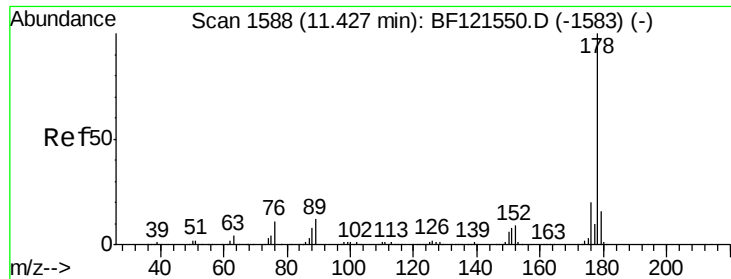
Delta R.T. -0.01 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Tgt Ion:	178	Resp:	770916
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.4
179	15.3	12.5	18.7





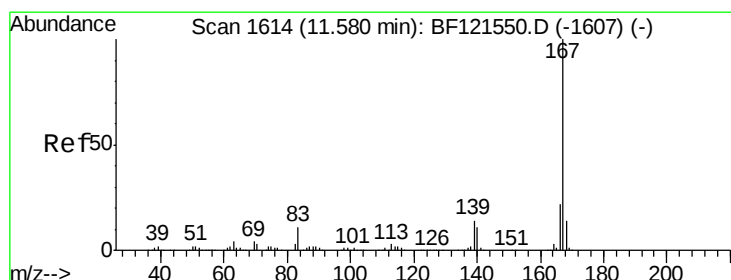
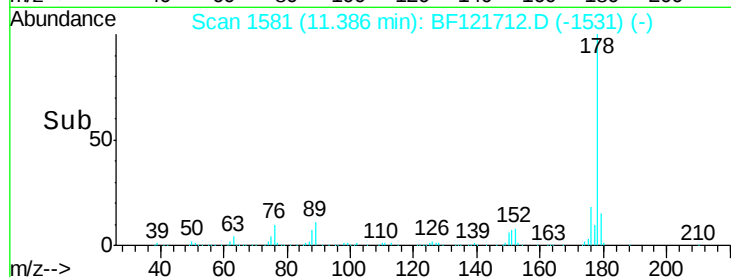
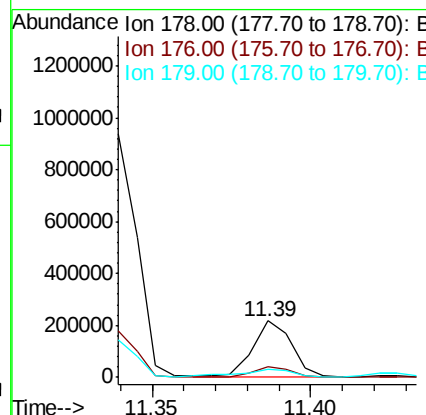
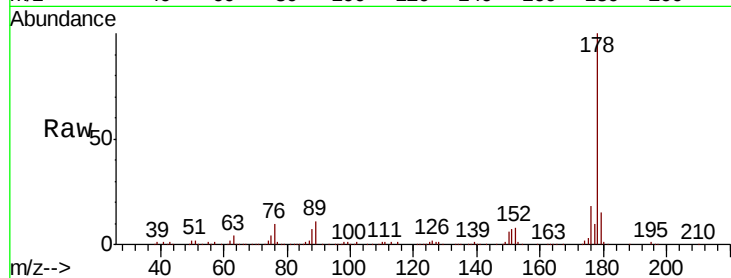
#72
 Anthracene
 Concen: 5.912 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF121712.D
 Acq: 28 Sep 2020 15:08

Instrument :
 BNA_F
 ClientSampleId :
 B-4(10-12)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.3	12.7	19.1

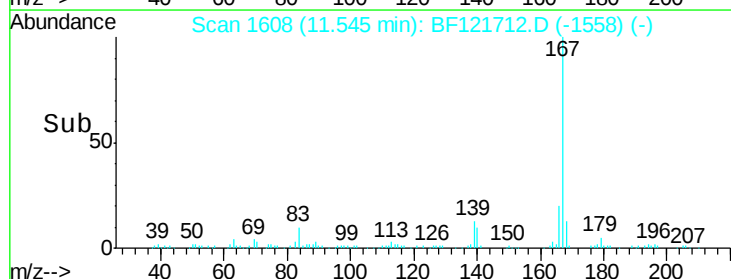
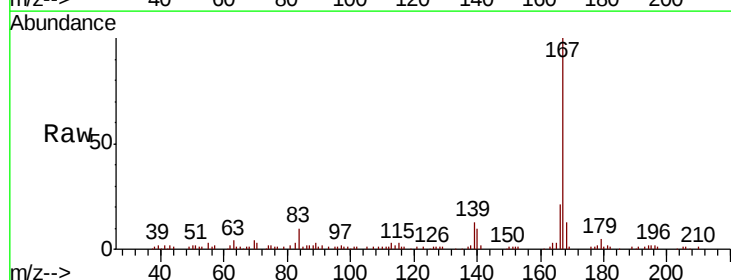
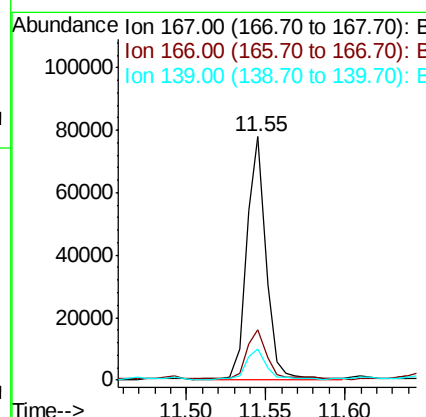
Manual Integrations
 APPROVED

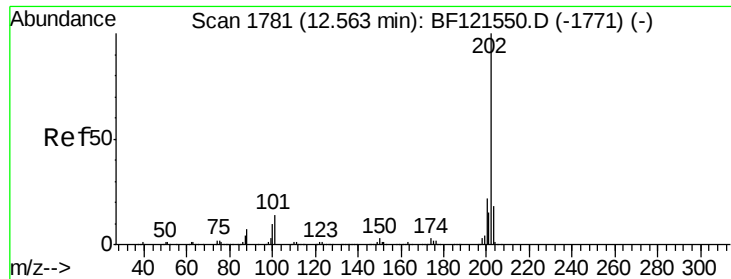
mohammad
 9/29/2020 3:24:26 PM



#73
 Carbazole
 Concen: 2.372 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF121712.D
 Acq: 28 Sep 2020 15:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.6	26.4
139	12.8	10.7	16.1





#75

Fluoranthene

Concen: 33.339 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Instrument :

BNA_F

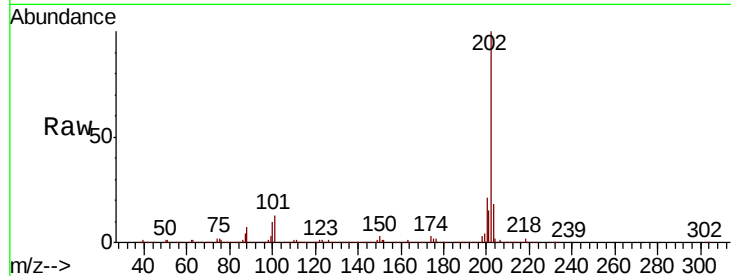
ClientSampleId :

B-4(10-12)

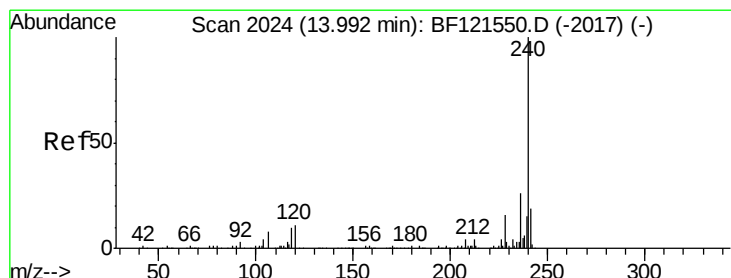
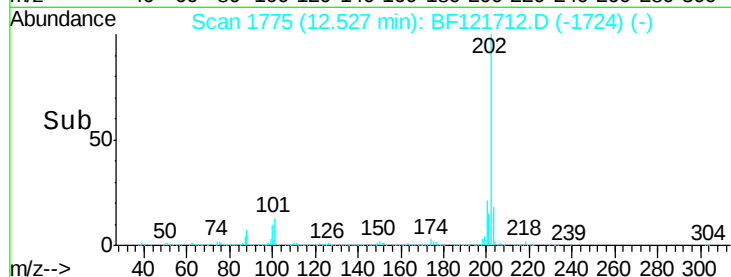
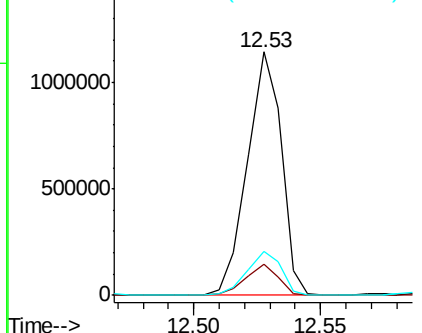
Tot Ion:	202	Resp:	1069447
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	33.7
203	18.1	0.0	38.5

Manual Integrations
APPROVED

mohammad
9/29/2020 3:24:26 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

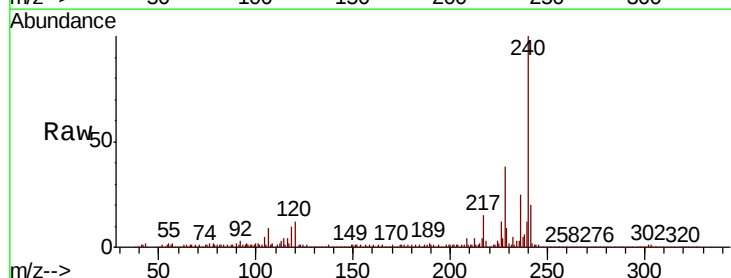
RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

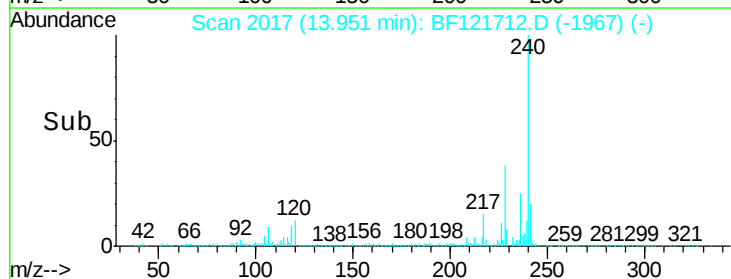
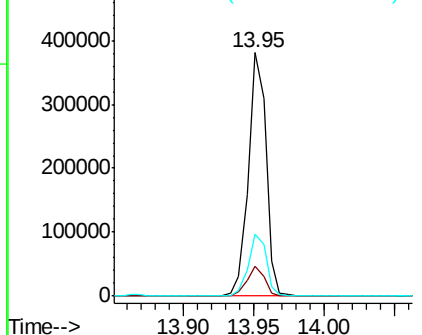
Lab File: BF121712.D

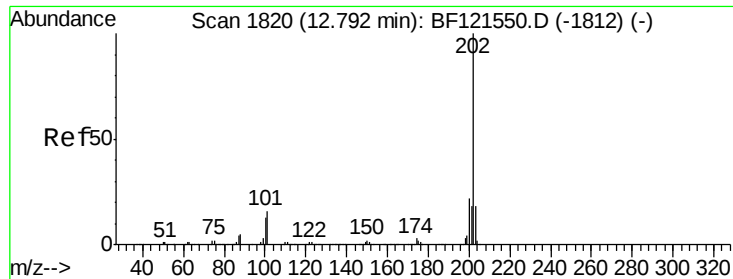
Acq: 28 Sep 2020 15:08

Tgt Ion:	240	Resp:	334264
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.1	13.7
236	25.3	20.6	30.8



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

Pvrene

Concen: 40.054 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Instrument :

BNA_F

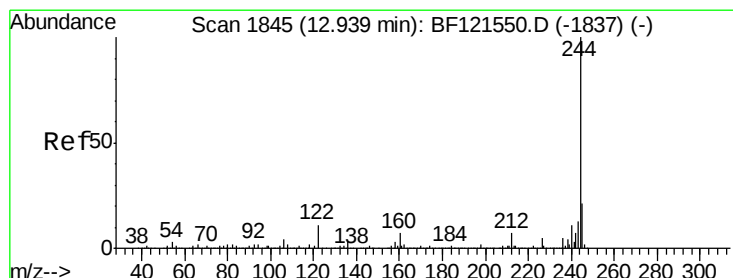
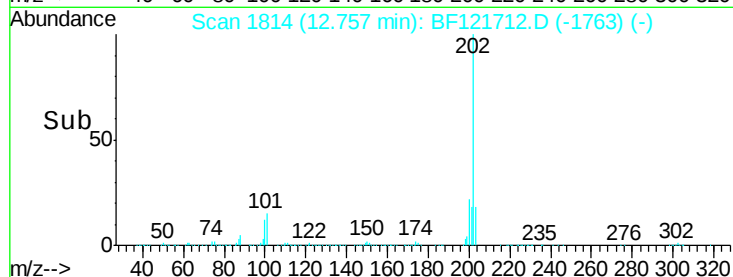
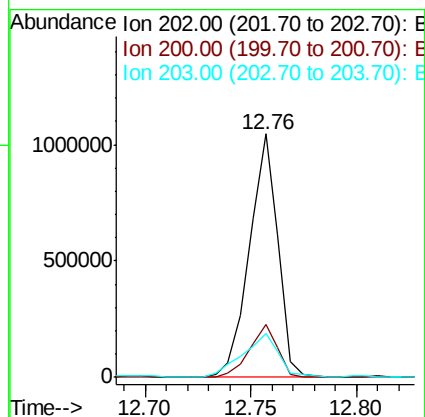
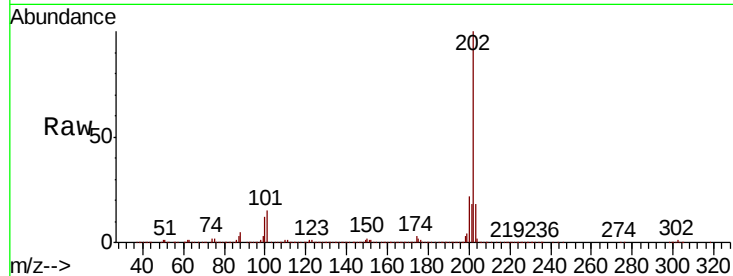
ClientSampled :

B-4(10-12)

Tot Ion:	202	Resp:	978212
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.8	26.8
203	18.1	14.3	21.5

Manual Integrations
APPROVED

mohammad
9/29/2020 3:24:26 PM



#79

Terphenyl-d14

Concen: 68.885 ng

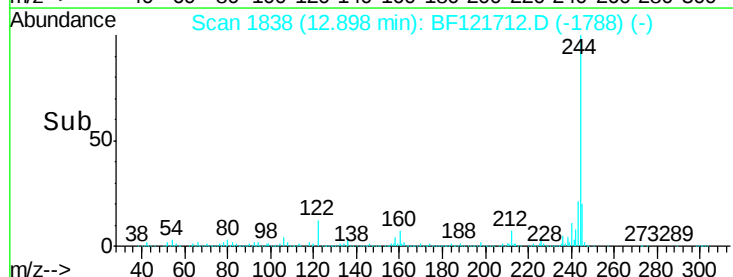
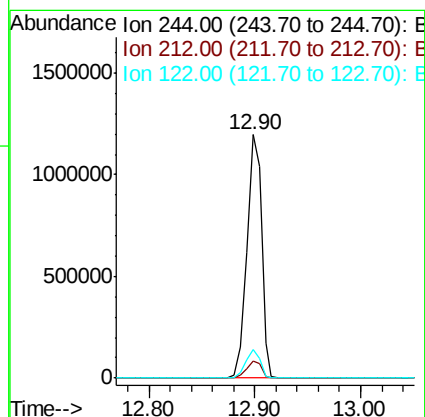
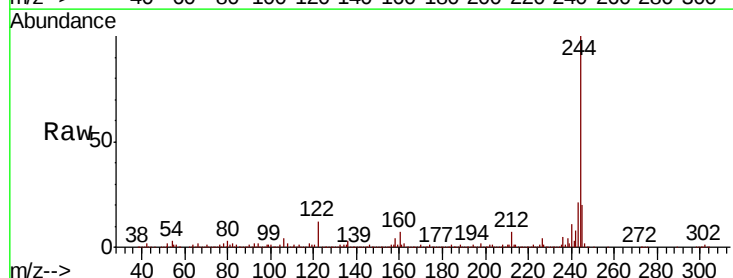
RT: 12.90 min Scan# 1838

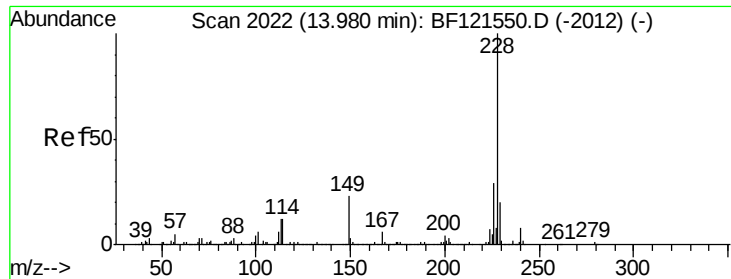
Delta R.T. -0.01 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Tgt Ion:	244	Resp:	1136569
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.6	8.4
122	11.8	8.0	12.0





#81

Benzo(a)anthracene

Concen: 21.183 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Instrument :

BNA_F

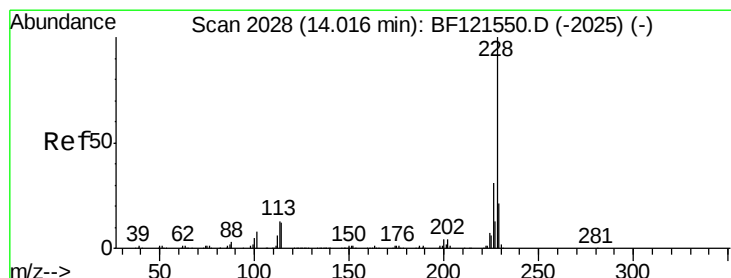
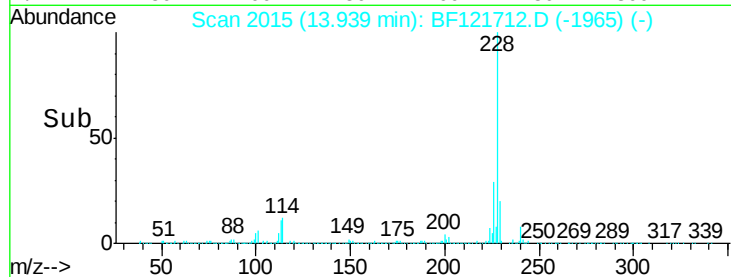
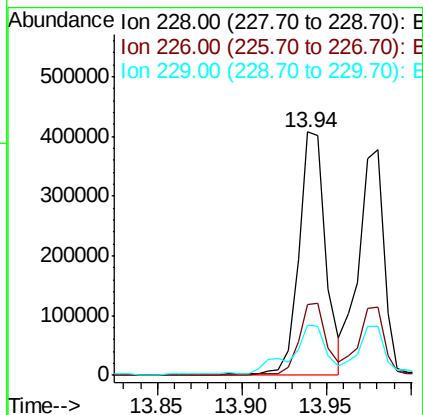
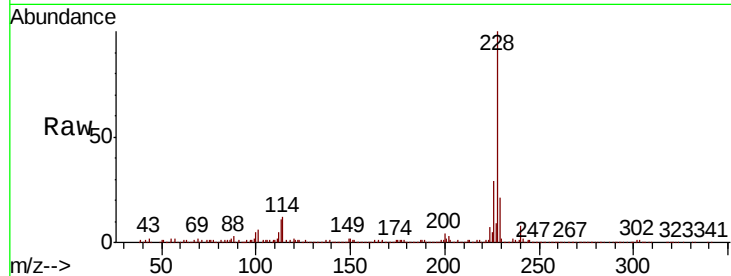
ClientSampleId :

B-4(10-12)

Tot Ion:	228	Resp:	447961
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.5	33.7
229	20.6	16.2	24.4

Manual Integrations
APPROVED

mohammad
9/29/2020 3:24:26 PM



#83

Chrysene

Concen: 18.388 ng

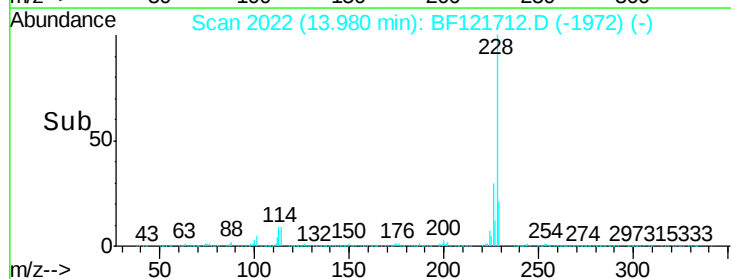
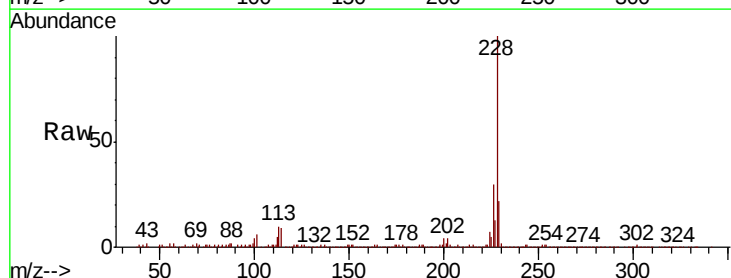
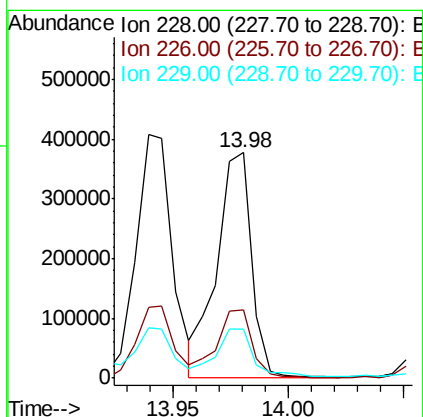
RT: 13.98 min Scan# 2022

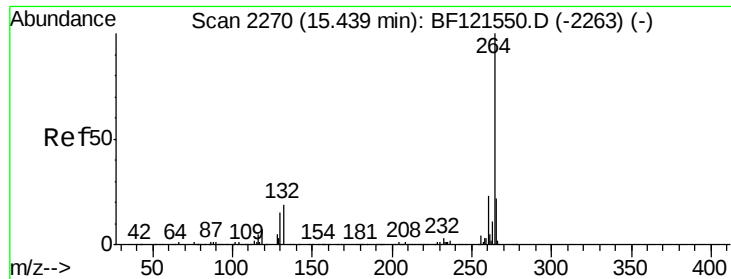
Delta R.T. -0.01 min

Lab File: BF121712.D

Acq: 28 Sep 2020 15:08

Tgt Ion:	228	Resp:	393776
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.4
229	21.6	16.0	24.0





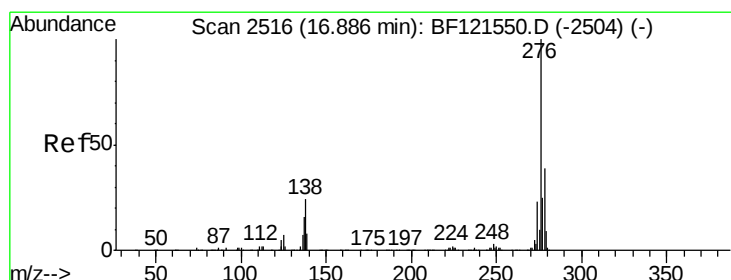
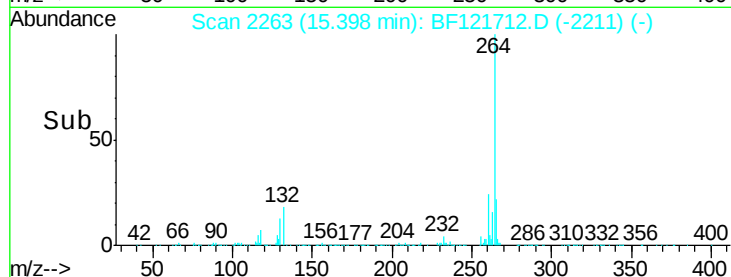
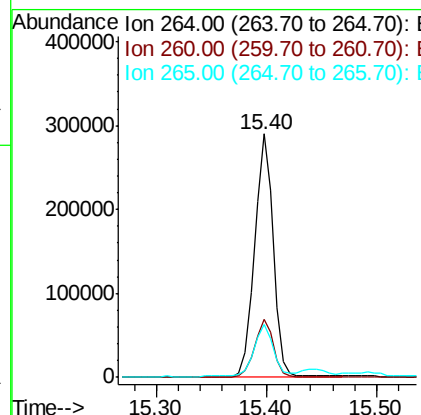
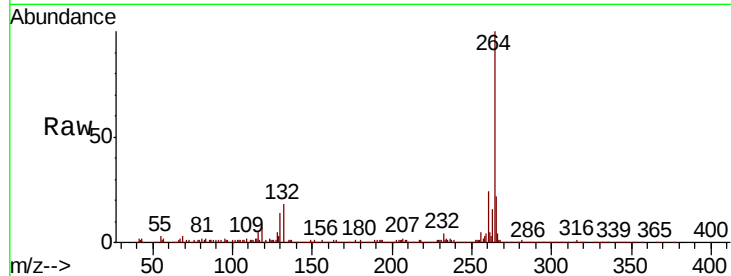
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Instrument :
BNA_F
ClientSampleId :
B-4(10-12)

Tot Ion:	264	Resp:	344771
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.4	27.6
265	21.8	17.2	25.8

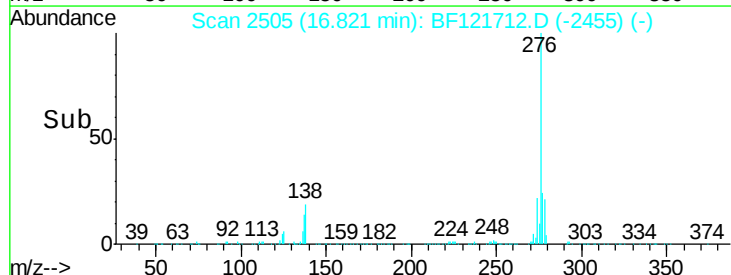
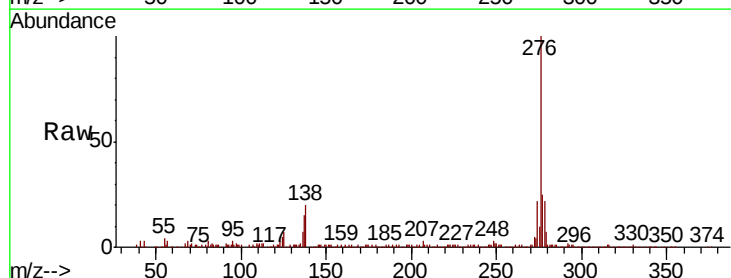
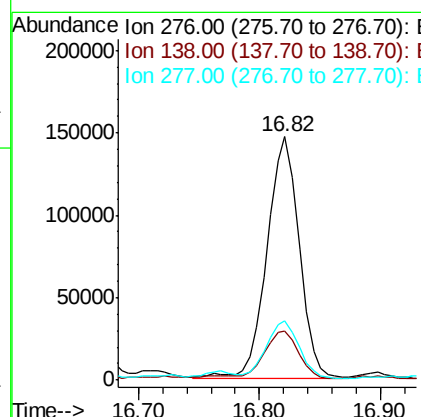
Manual Integrations
APPROVED

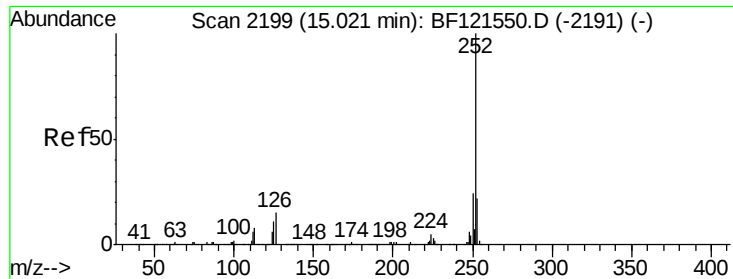
mohammad
9/29/2020 3:24:26 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.083 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Tgt Ion:	276	Resp:	271284
Ion Ratio	Lower	Upper	
276	100		
138	20.5	19.5	29.3
277	23.8	20.2	30.4





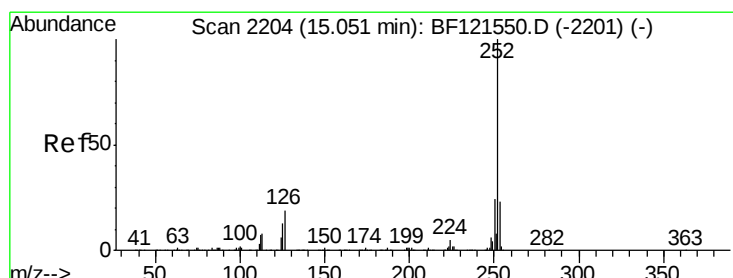
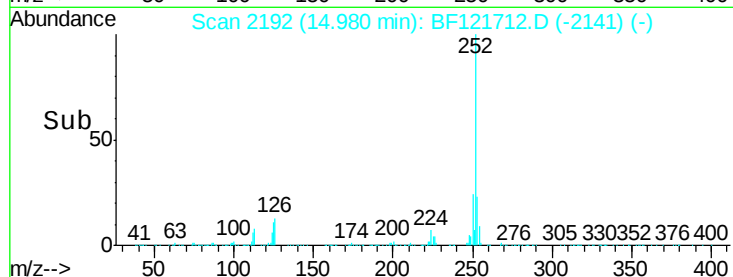
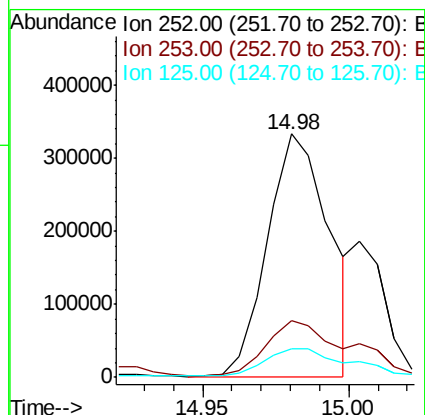
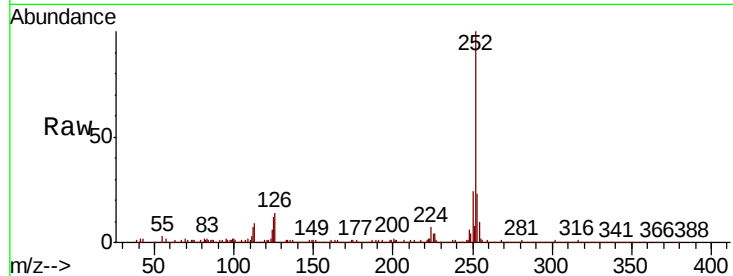
#88
Benzo(b)fluoranthene
Concen: 21.452 ng m
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Instrument :
BNA_F
ClientSampleId :
B-4(10-12)

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.4	17.8	26.6	
125	12.0	8.6	13.0	

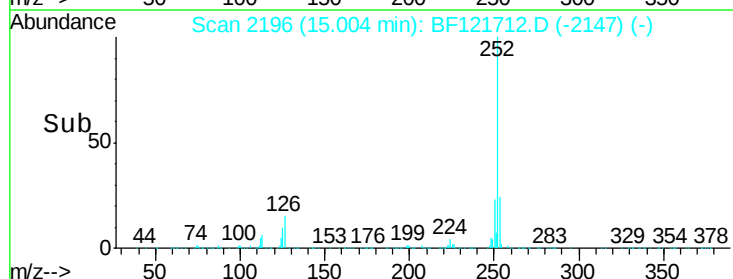
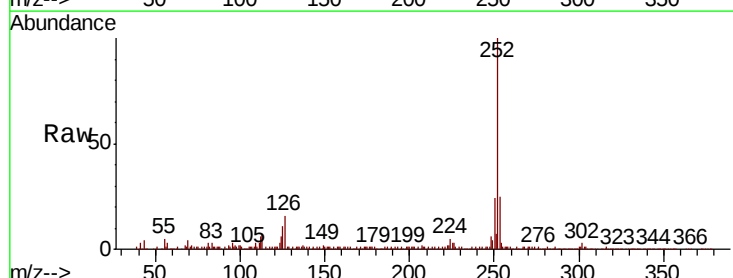
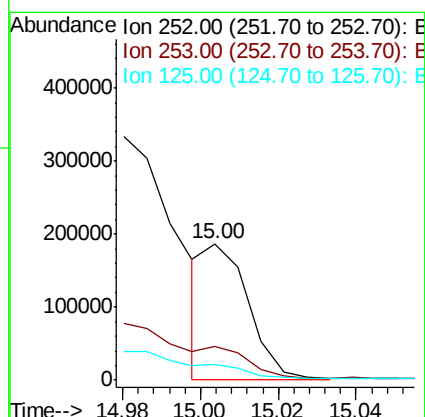
Manual Integrations
APPROVED

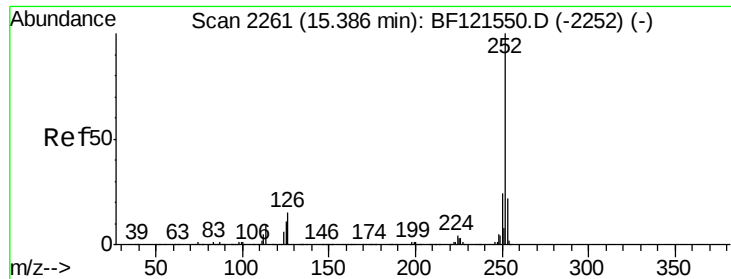
mohammad
9/29/2020 3:24:26 PM



#89
Benzo(k)fluoranthene
Concen: 6.900 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	24.6	17.6	26.4	
125	11.4	7.1	10.7	





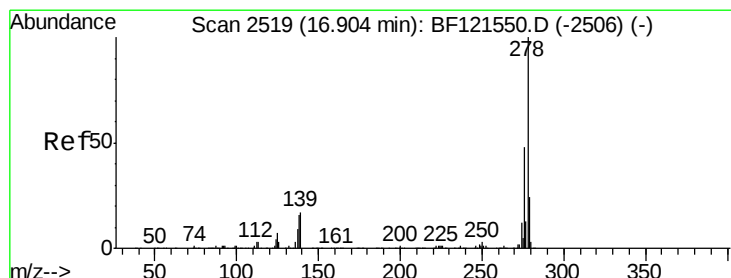
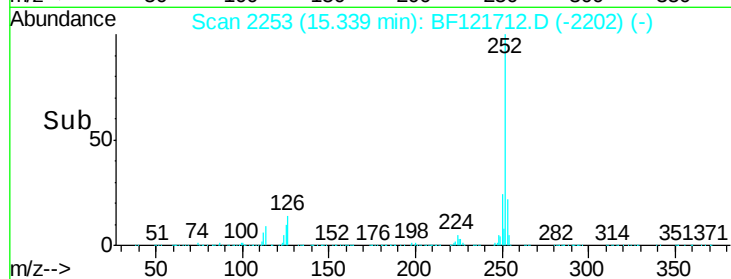
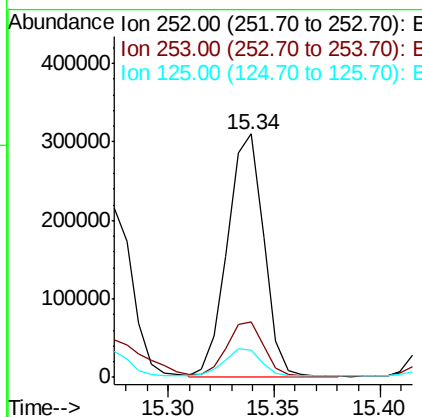
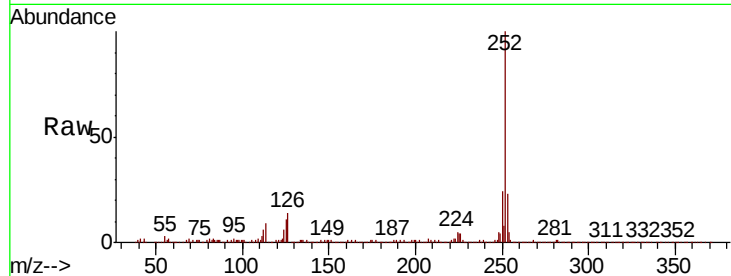
#90
Benzo(a)pyrene
Concen: 18.776 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Instrument :
BNA_F
ClientSampleId :
B-4(10-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	11.1	9.2	13.8

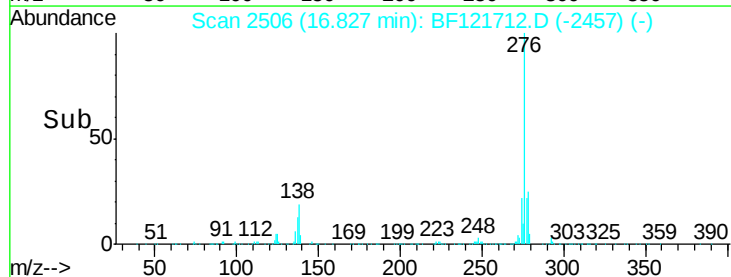
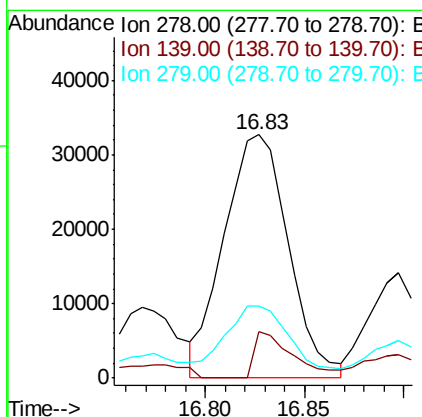
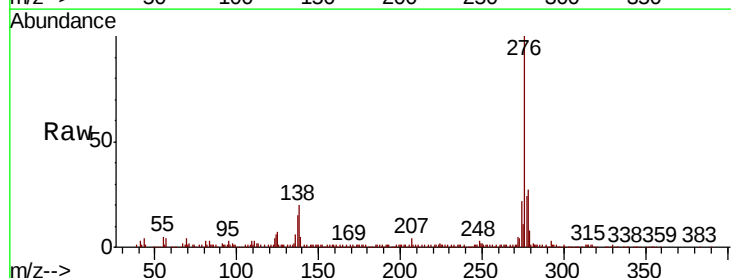
Manual Integrations
APPROVED

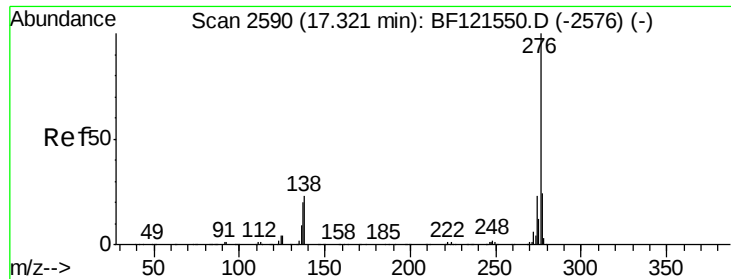
mohammad
9/29/2020 3:24:26 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.971 ng m
RT: 16.83 min Scan# 2506
Delta R.T. -0.01 min
Lab File: BF121712.D
Acq: 28 Sep 2020 15:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	13.0	19.4
279	29.5	19.3	28.9#





#92
 Benzo(a,h,i)perylene
 Concen: 14.022 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF121712.D
 Acq: 28 Sep 2020 15:08

Instrument :
 BNA_F
 ClientSampleId :
 B-4(10-12)

Tot Ion:	276	Resp:	257614
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.8	28.2
138	20.6	16.6	25.0

Manual Integrations
 APPROVED

mohammad
 9/29/2020 3:24:26 PM

