

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120501.D
 Acq On : 2 Jun 2020 18:08
 Operator : JU/CG
 Sample : L2783-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOT-11

Manual Integrations
 APPROVED

mohammad
 6/3/2020 4:36:26 PM

Quant Time: Jun 02 19:29:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	127299	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	430547	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	212788	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	444415	20.00	ng	0.00
76) Chrysene-d12	14.02	240	373851	20.00	ng	0.00
86) Perylene-d12	15.48	264	328534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	623721	93.38	ng	0.00
7) Phenol-d6	6.47	99	727753	88.39	ng	0.00
23) Nitrobenzene-d5	7.40	82	445261	67.65	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	218012	110.58	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	862044	68.74	ng	0.00
79) Terphenyl-d14	12.96	244	1163289	69.24	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.15	128	40433	2.138	ng	98
49) Acenaphthylene	9.75	152	50176	2.821	ng	95
50) Dimethylphthalate	9.59	163	161220	12.119	ng	99
52) Acenaphthene	9.92	154	77126	6.948	ng	97
55) Dibenzofuran	10.09	168	48769	3.023	ng	97
58) Fluorene	10.43	166	89088	7.359	ng	99
71) Phenanthrene	11.40	178	1108158	56.590	ng	99
72) Anthracene	11.44	178	387777	19.737	ng	97
73) Carbazole	11.60	167	143941	7.574	ng	98
75) Fluoranthene	12.59	202	1961491	93.091	ng	99
78) Pyrene	12.82	202	1757333	67.592	ng	100
81) Benzo(a)anthracene	14.00	228	1081499	53.977	ng	98
83) Chrysene	14.04	228	927588	44.159	ng	97
87) Indeno(1,2,3-cd)pyrene	16.94	276	394359	21.947	ng	95
88) Benzo(b)fluoranthene	15.06	252	1077258m	59.035	ng	
89) Benzo(k)fluoranthene	15.08	252	283152m	16.622	ng	
90) Benzo(a)pyrene	15.42	252	677967	42.476	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	107590	7.344	ng	# 90
92) Benzo(a,h,i)perylene	17.39	276	346763	23.999	ng	99

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

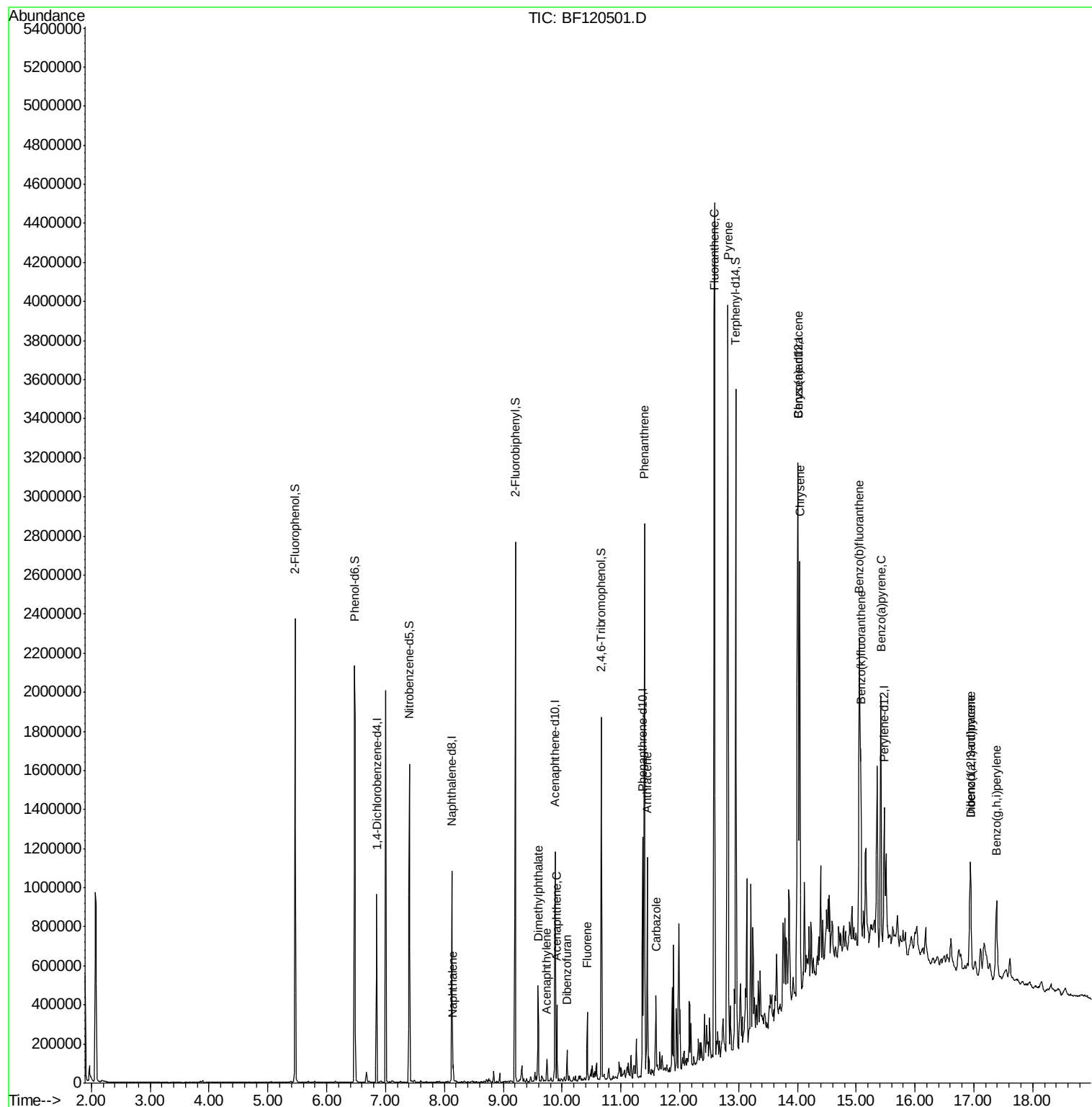
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
Data File : BF120501.D
Acq On : 2 Jun 2020 18:08
Operator : JU/CG
Sample : L2783-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

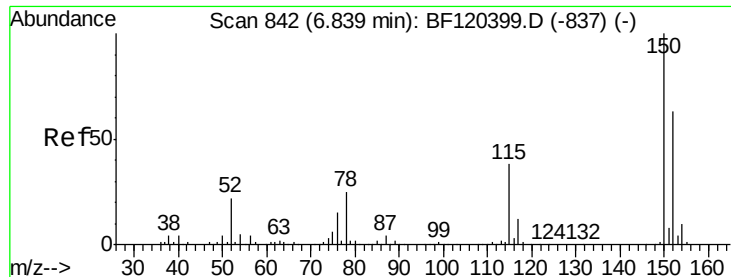
Instrument :
BNA_F
ClientSampled :
LOT-11

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 PM

Quant Time: Jun 02 19:29:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 02 11:37:51 2020
Response via : Initial Calibration





#1

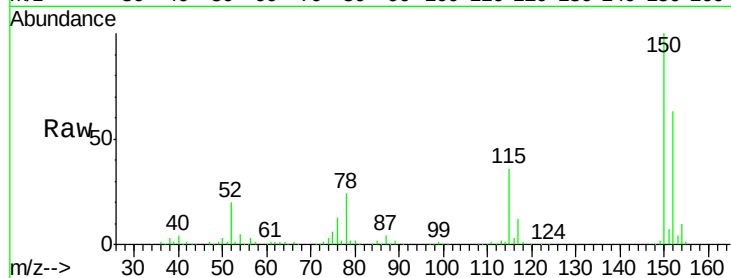
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampled :
LOT-11

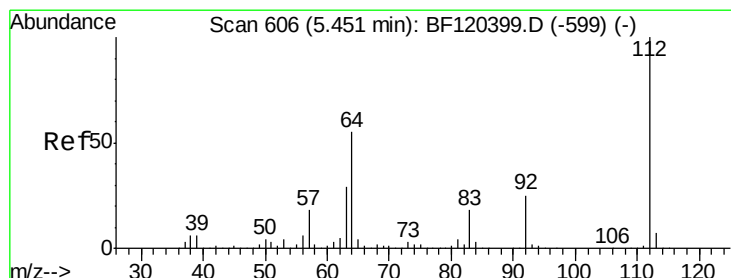
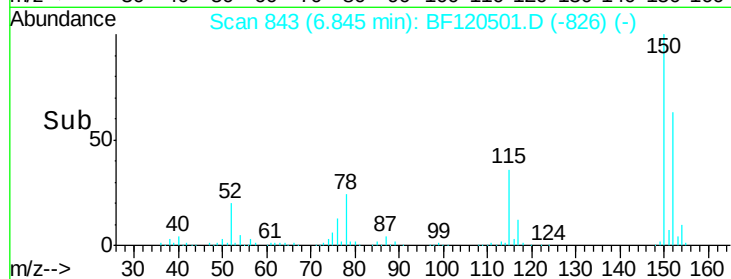
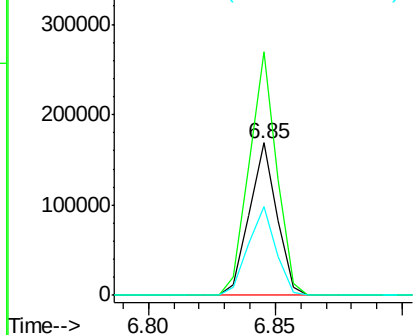
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.7	190.1
115	58.2	46.2	69.2

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 PM



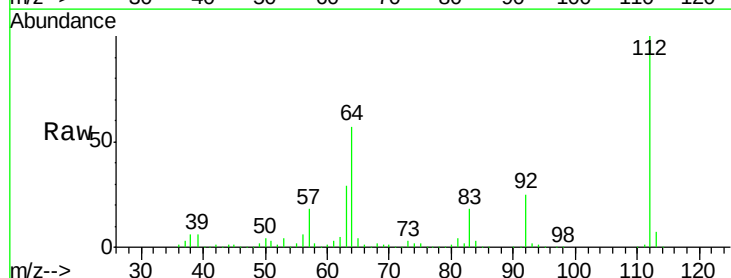
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



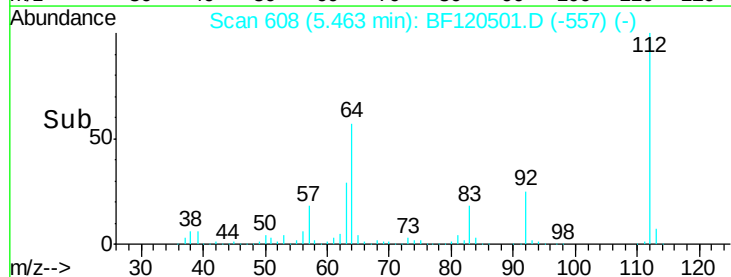
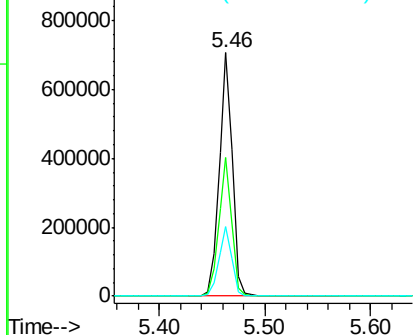
#5

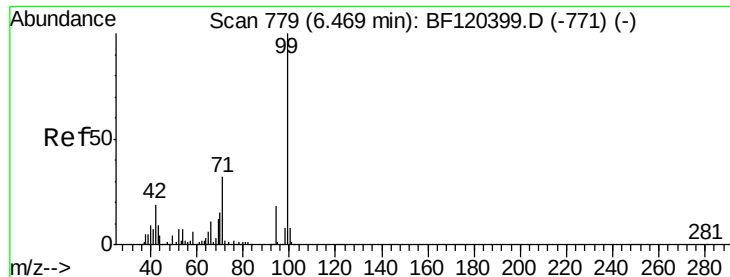
2-Fluorophenol
Concen: 93.375 ng
RT: 5.46 min Scan# 608
Delta R.T. -0.00 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.3	69.5
63	28.7	24.2	36.2



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: 88.392 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120501.D

Acq: 2 Jun 2020 18:08

Instrument :

BNA_F

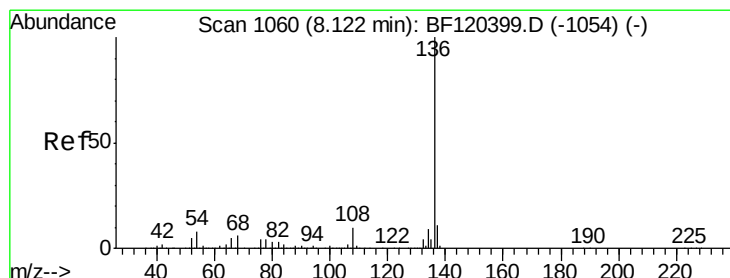
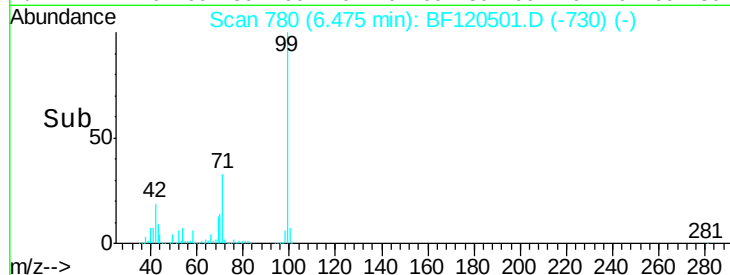
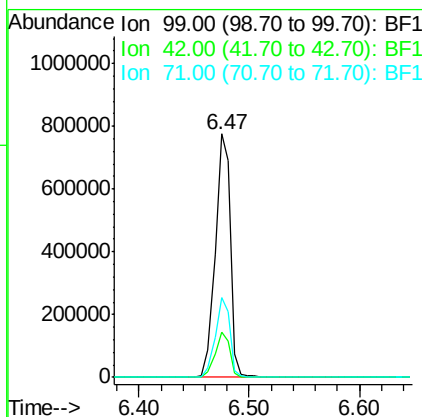
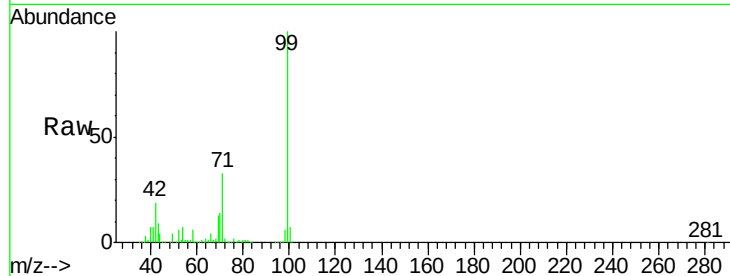
ClientSampled :

LOT-11

Tot Ion:	99	Resp:	727753
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.1	22.7
71	32.5	26.2	39.4

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 PM



#21

Naphthalene-d8

Concen: 20.000 ng

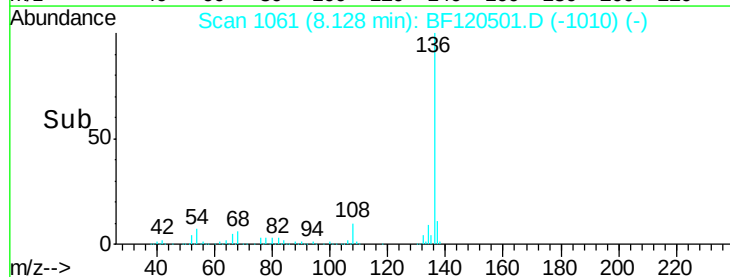
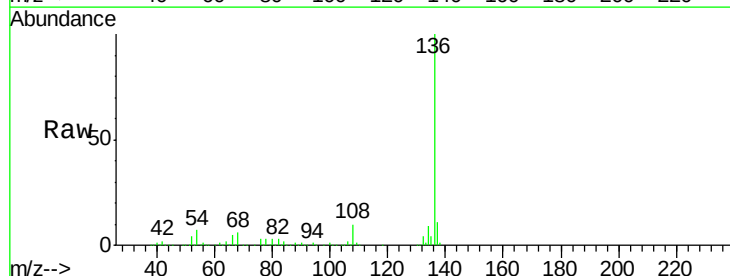
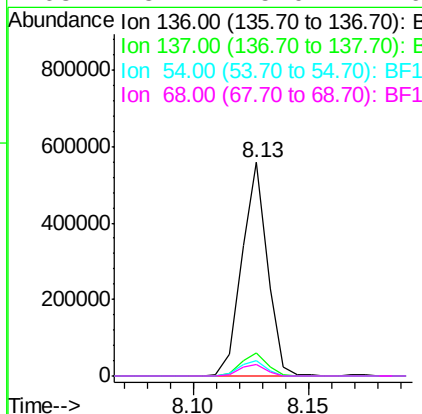
RT: 8.13 min Scan# 1061

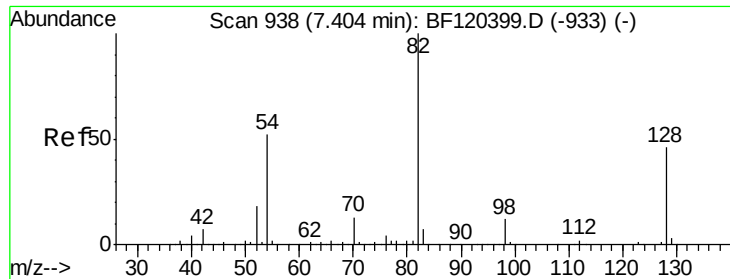
Delta R.T. -0.00 min

Lab File: BF120501.D

Acq: 2 Jun 2020 18:08

Tgt Ion:	136	Resp:	430547
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.3	6.2	9.4
68	5.7	5.0	7.6





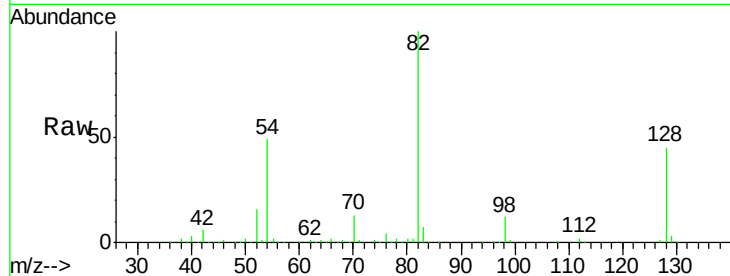
#23
Nitrobenzene-d5
Concen: 67.649 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampled :
LOT-11

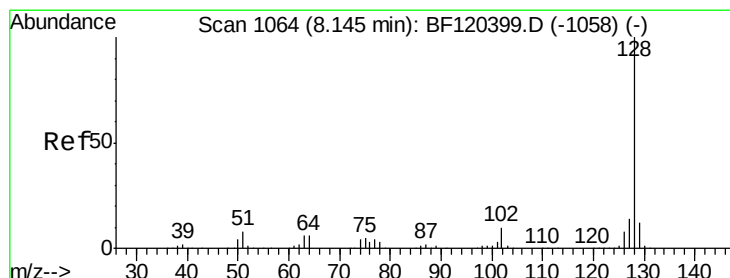
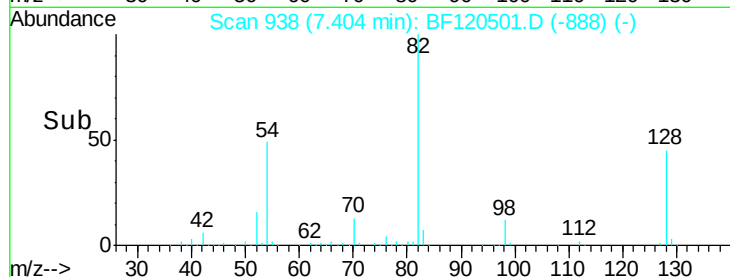
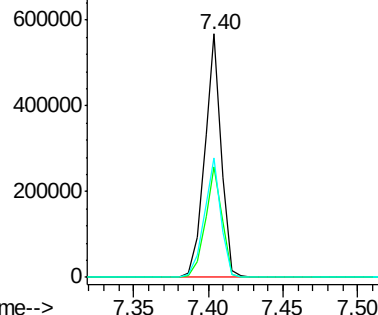
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	37.0	55.6
54	49.2	41.0	61.4

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 PM

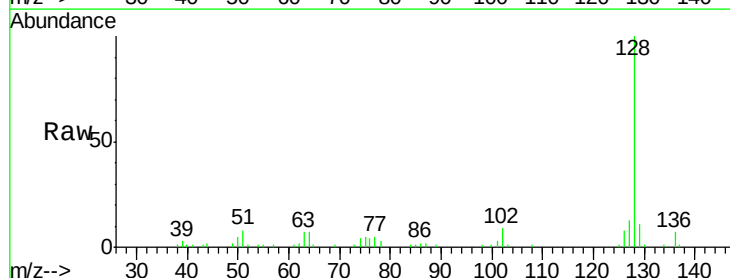


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

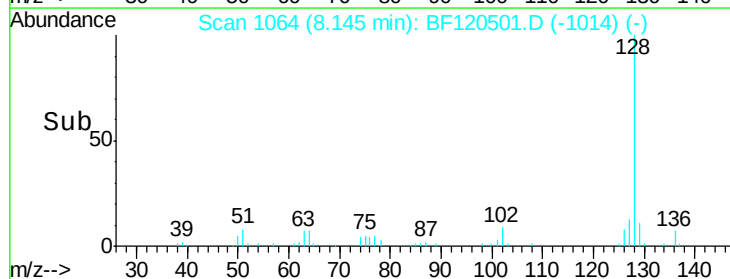
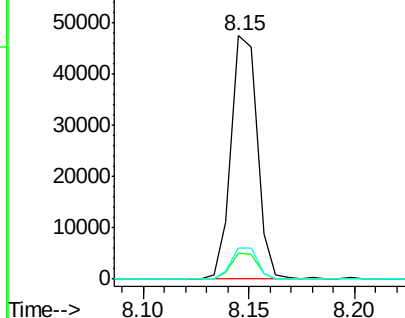


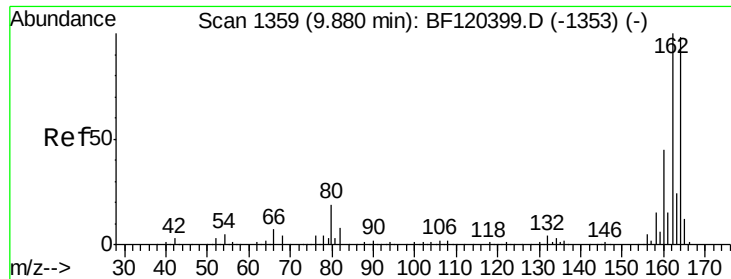
#31
Naphthalene
Concen: 2.138 ng
RT: 8.15 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.0
127	12.8	10.9	16.3



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





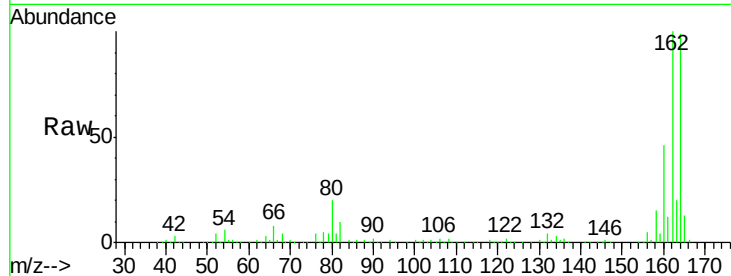
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampleId :
LOT-11

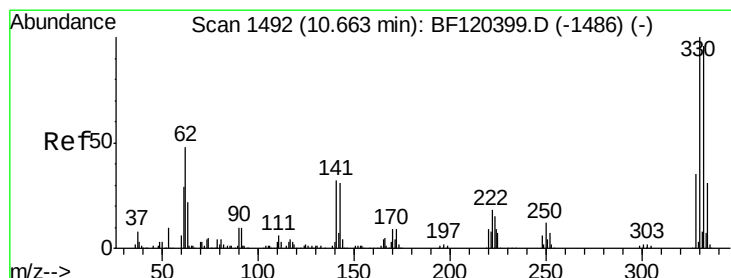
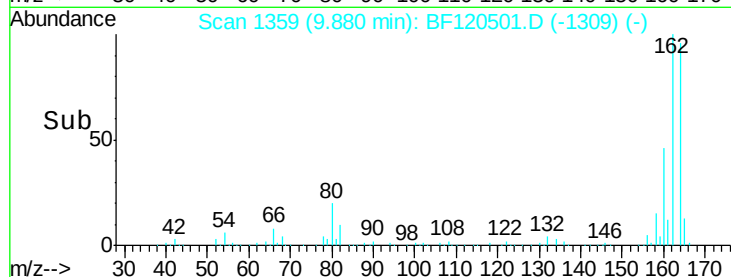
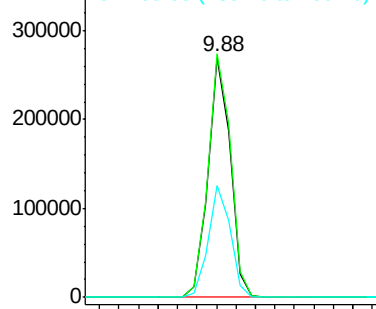
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.9	122.9
160	46.5	37.4	56.0

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 PM

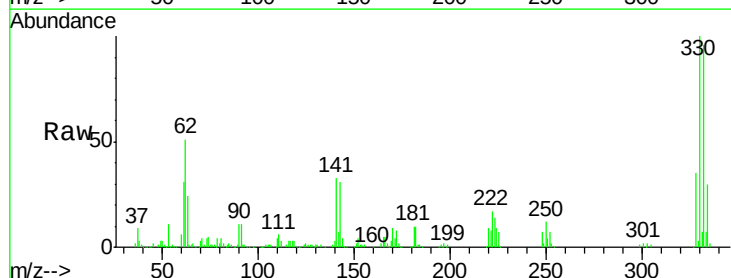


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

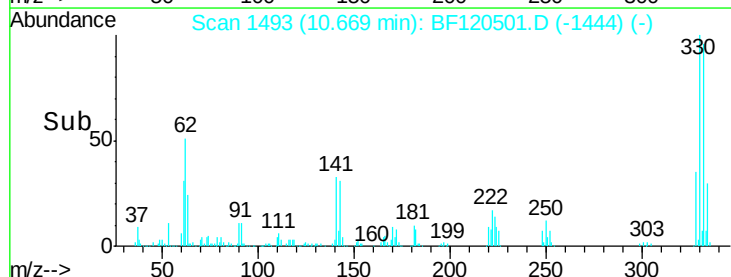
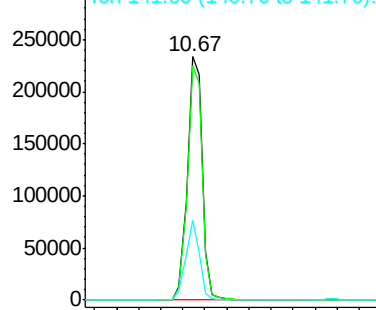


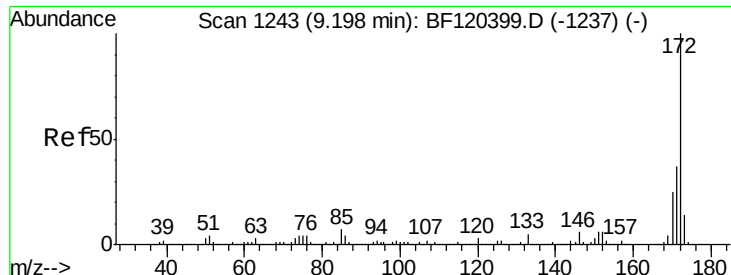
#42
2,4,6-Tribromophenol
Concen: 110.578 ng
RT: 10.67 min Scan# 1493
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	30.7	23.9	35.9



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





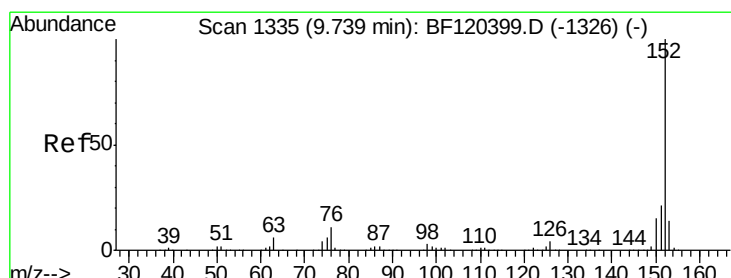
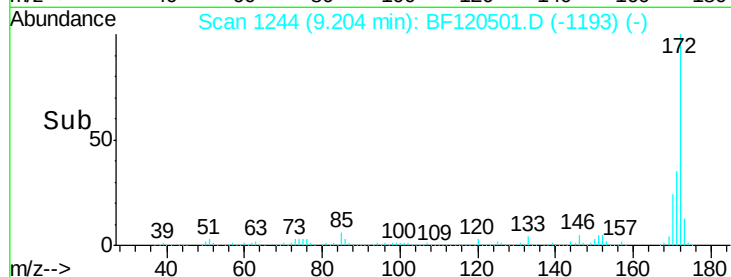
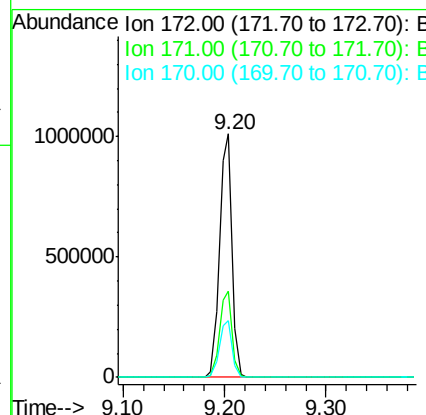
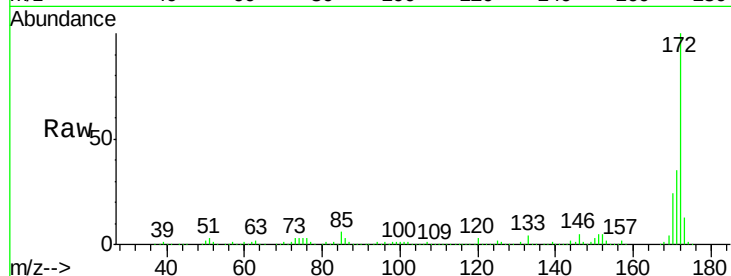
#45
2-Fluorobiphenyl
Concen: 68.736 ng
RT: 9.20 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampled :
LOT-11

Tot Ion	Ratio	Resp	Lower	Upper
172	100	862044		
171	35.3		29.4	44.2
170	23.5		19.9	29.9

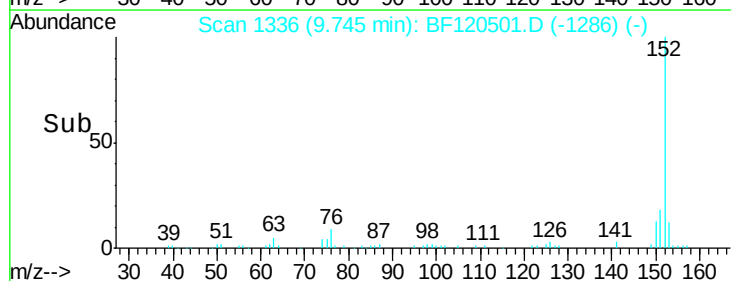
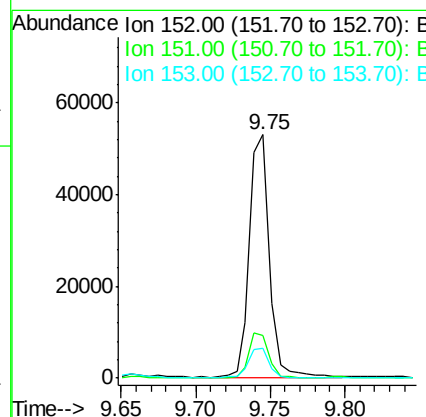
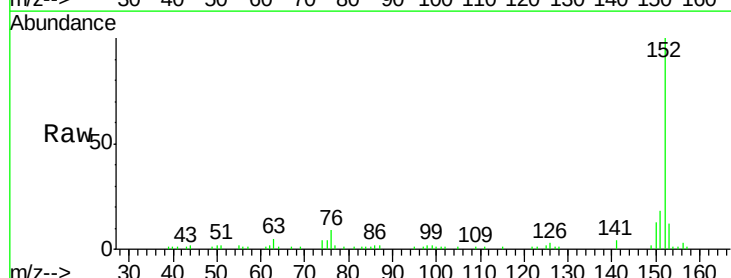
Manual Integrations
APPROVED

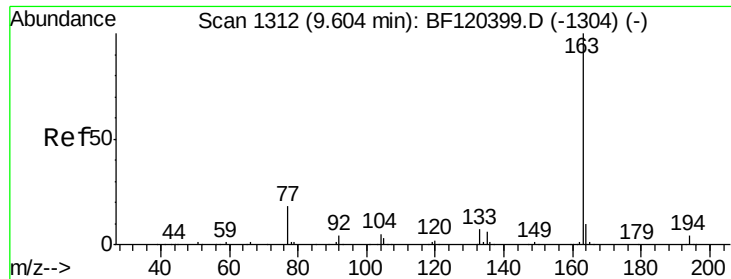
mohammad
6/3/2020 4:36:26 PM



#49
Acenaphthylene
Concen: 2.821 ng
RT: 9.75 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	50176		
151	17.8		16.8	25.2
153	12.3		10.9	16.3





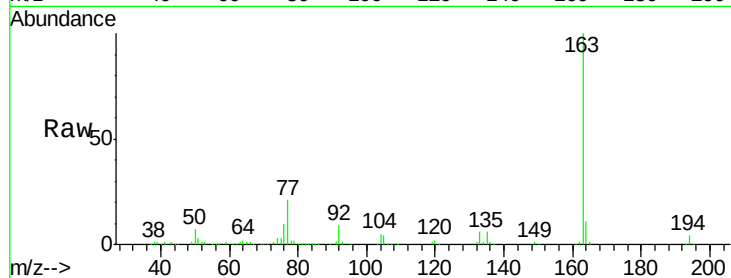
#50
Dimethylphthalate
Concen: 12.119 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampled :
LOT-11

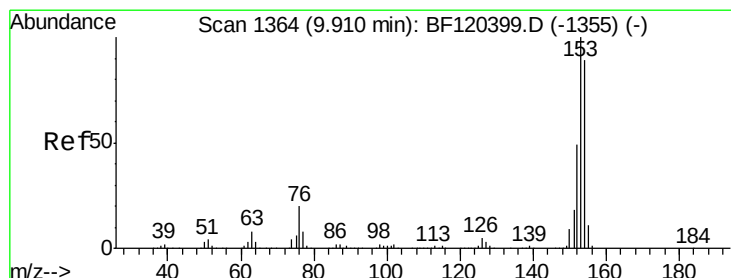
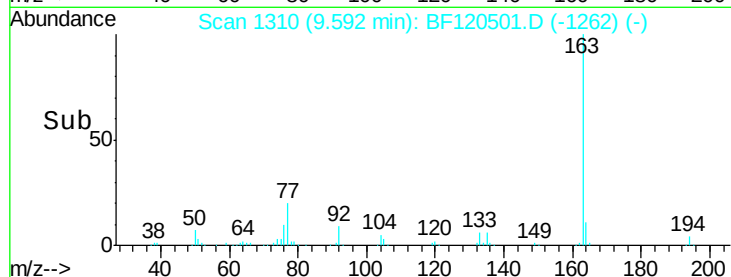
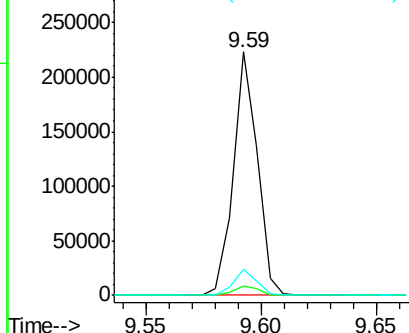
Tot Ion	Ratio	Resp	Lower	Upper
163	100	161220		
194	3.7		3.3	4.9
164	10.6		8.2	12.2

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 PM

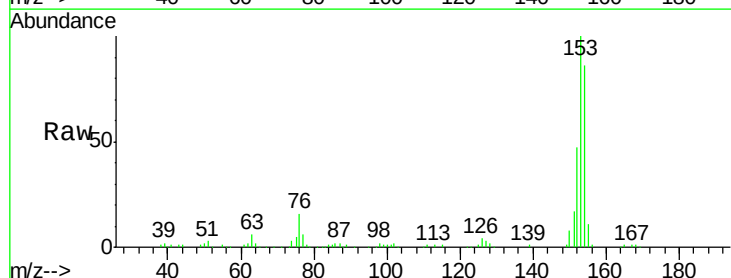


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

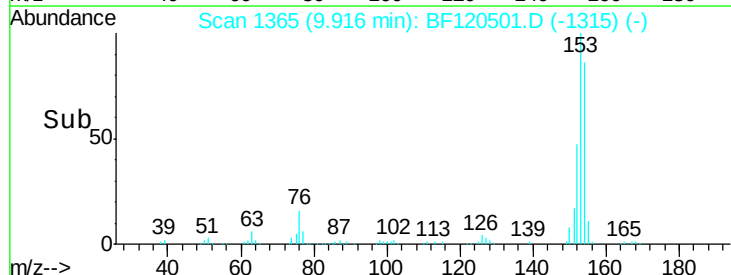
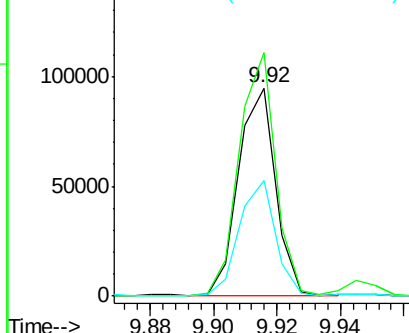


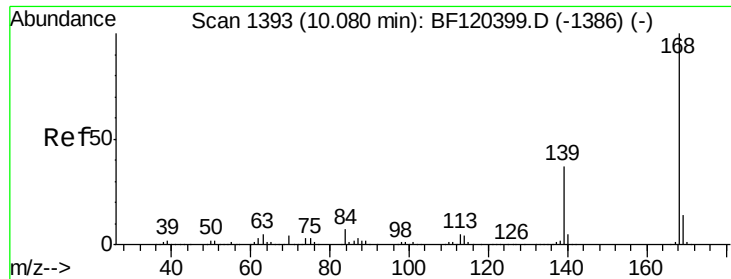
#52
Acenaphthene
Concen: 6.948 ng
RT: 9.92 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	77126		
153	116.9		90.2	135.4
152	55.5		44.1	66.1



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





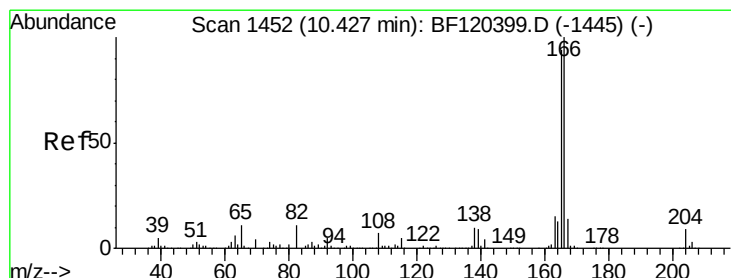
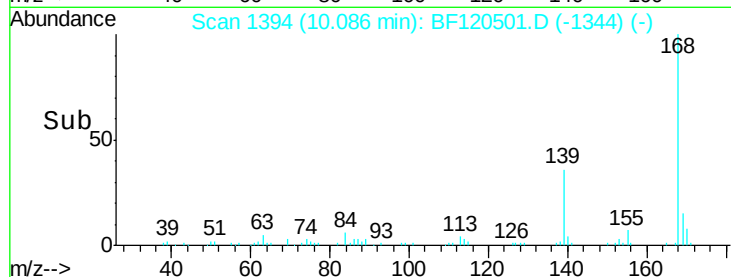
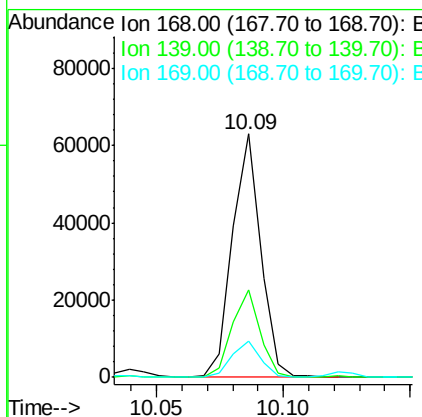
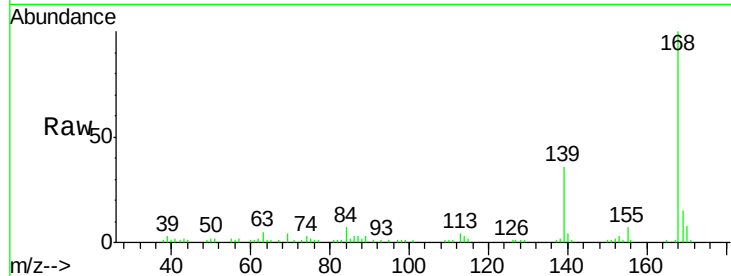
#55
Dibenzenofuran
Concen: 3.023 ng
RT: 10.09 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampleId :
LOT-11

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.8	29.9	44.9
169	15.0	11.3	16.9

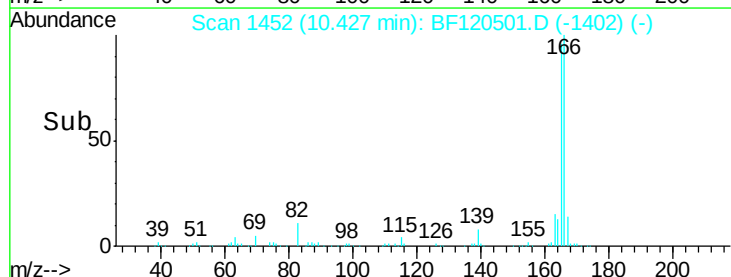
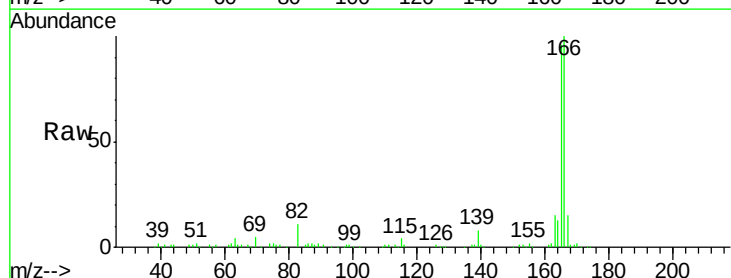
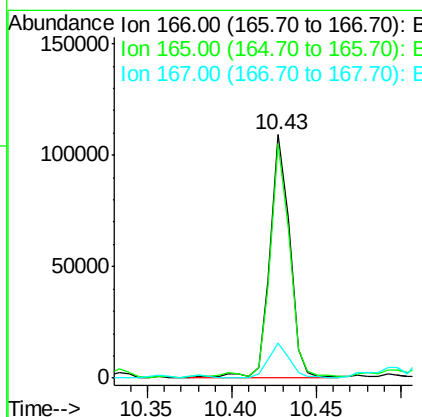
Manual Integrations
APPROVED

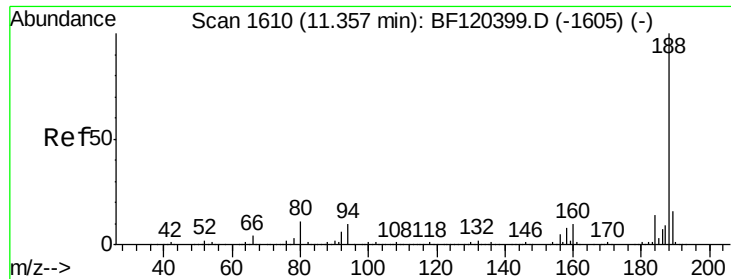
mohammad
6/3/2020 4:36:26 PM



#58
Fluorene
Concen: 7.359 ng
RT: 10.43 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	76.2	114.2
167	14.5	11.2	16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF120501.D

Acq: 2 Jun 2020 18:08

Instrument :

BNA_F

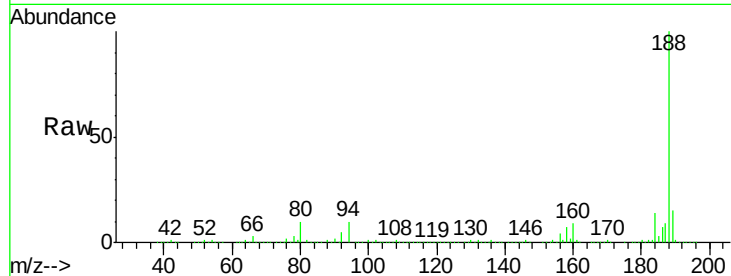
ClientSampleId :

LOT-11

Tot Ion:	188	Resp:	444415
Ion Ratio	Lower	Upper	
188	100		
94	9.6	6.6	10.0
80	9.8	7.1	10.7

Manual Integrations
APPROVED

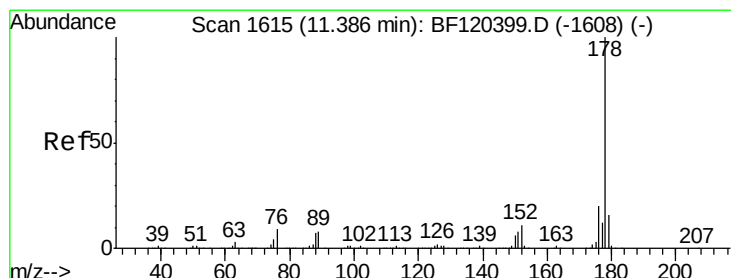
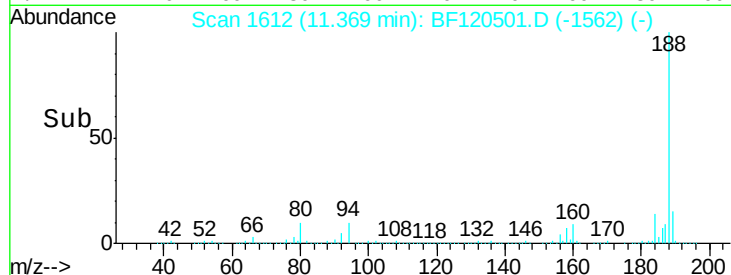
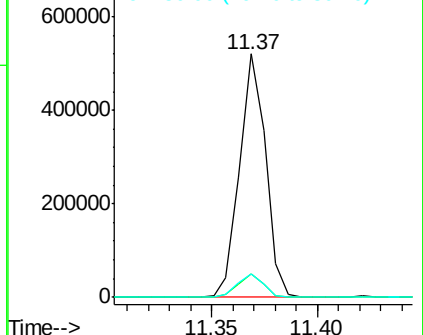
mohammad
6/3/2020 4:36:26 PM



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



#71

Phenanthrene

Concen: 56.590 ng

RT: 11.40 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BF120501.D

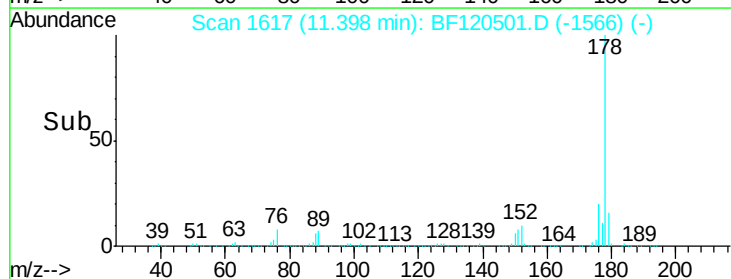
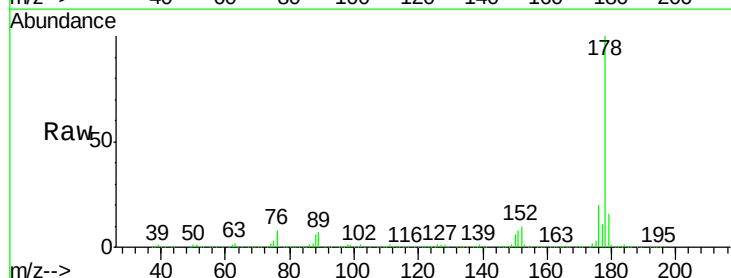
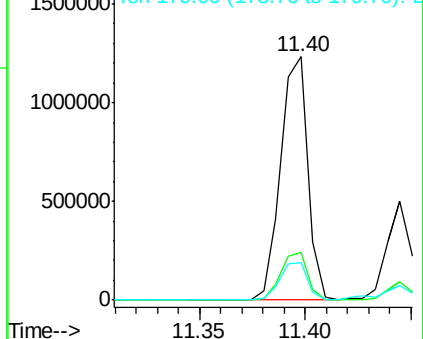
Acq: 2 Jun 2020 18:08

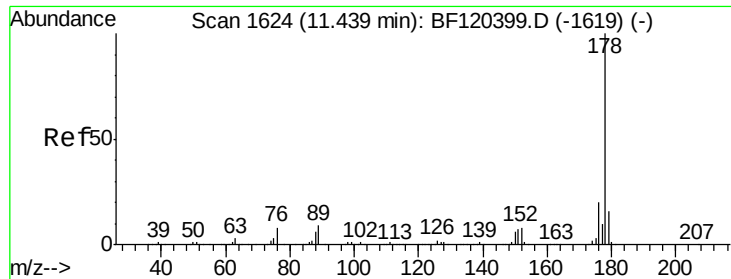
Tgt Ion:	178	Resp:	1108158
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.2
179	15.6	12.8	19.2

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: 19.737 ng

RT: 11.44 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF120501.D

Acq: 2 Jun 2020 18:08

Instrument :

BNA_F

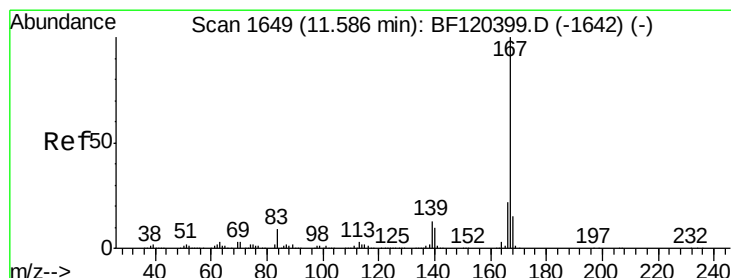
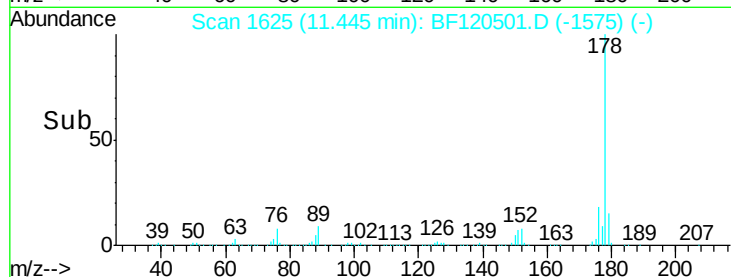
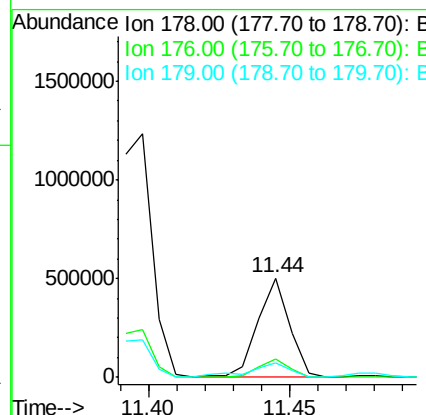
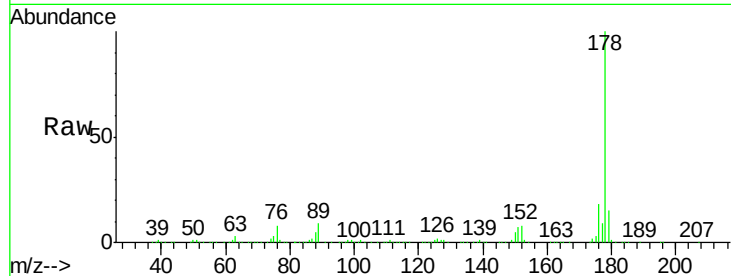
ClientSampleId :

LOT-11

Tot Ion:	178	Resp:	387777
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.9	23.9
179	15.2	12.7	19.1

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 PM



#73

Carbazole

Concen: 7.574 ng

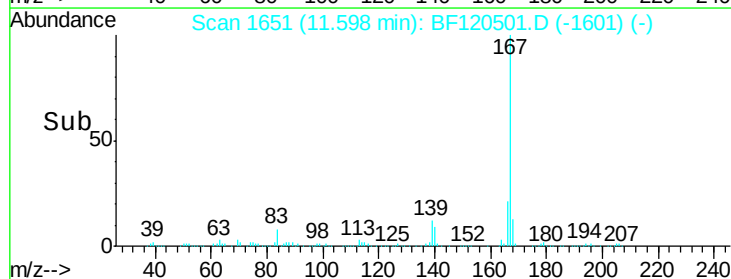
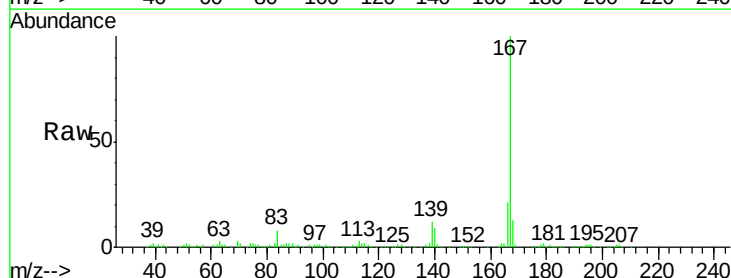
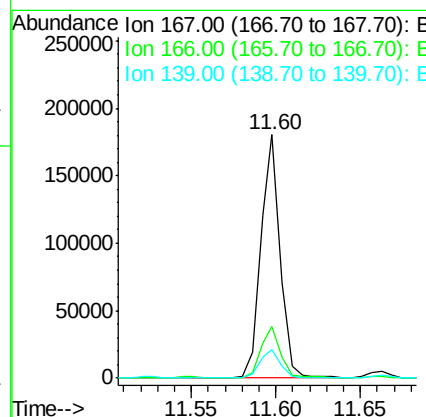
RT: 11.60 min Scan# 1651

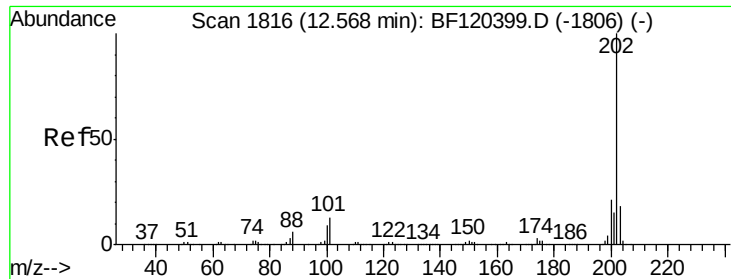
Delta R.T. -0.01 min

Lab File: BF120501.D

Acq: 2 Jun 2020 18:08

Tgt Ion:	167	Resp:	143941
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.8	26.8
139	11.7	10.3	15.5





#75

Fluoranthene

Concen: 93.091 ng

RT: 12.59 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF120501.D

Acq: 2 Jun 2020 18:08

Instrument :

BNA_F

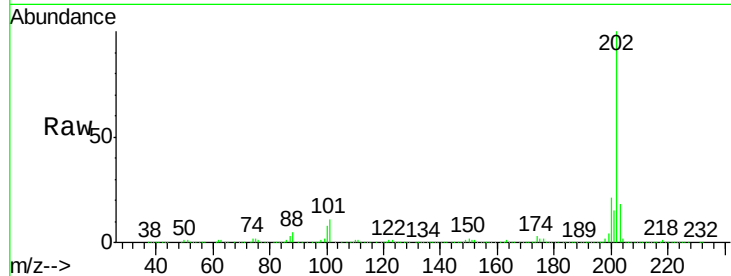
ClientSampled :

LOT-11

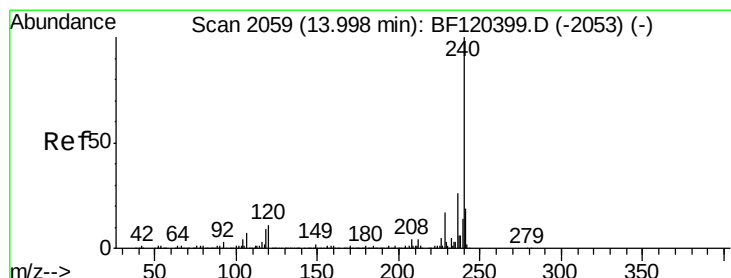
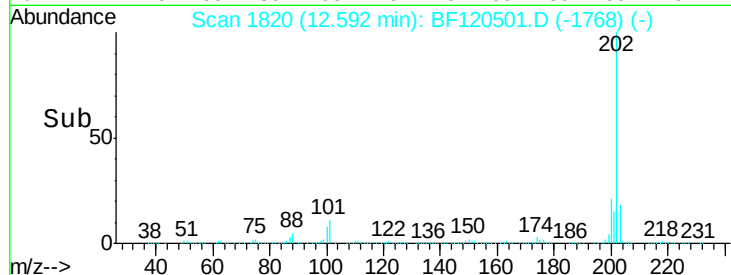
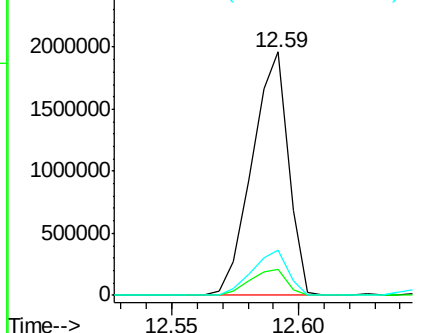
Tot Ion:	202	Resp:	1961491
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	18.3	0.0	38.8

Manual Integrations
APPROVED

mohammad
6/3/2020 4:36:26 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

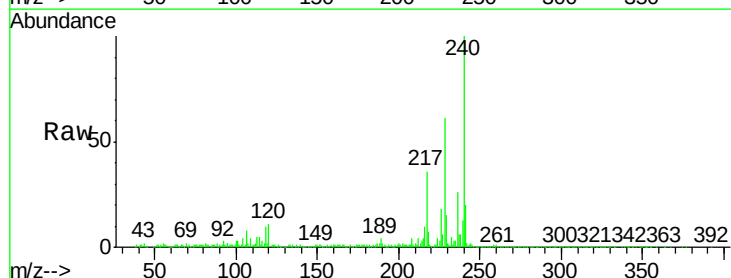
RT: 14.02 min Scan# 2062

Delta R.T. -0.00 min

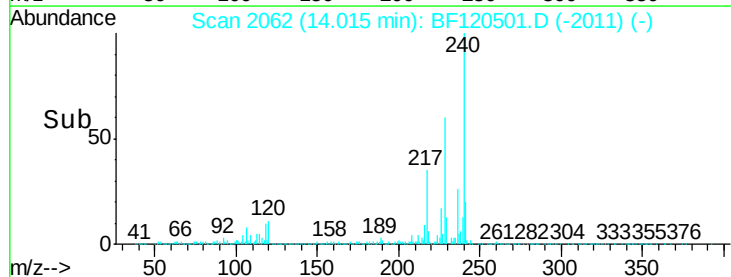
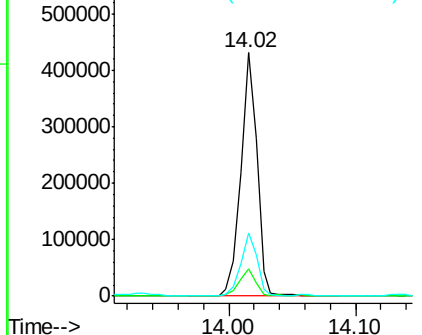
Lab File: BF120501.D

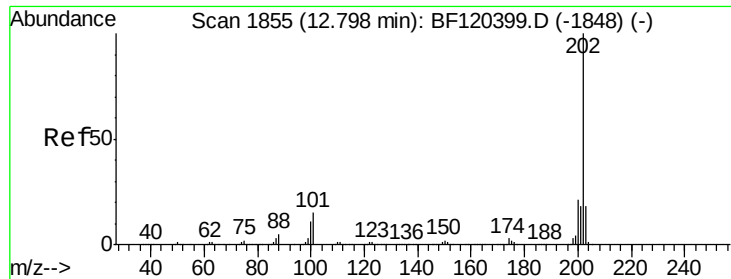
Acq: 2 Jun 2020 18:08

Tgt Ion:	240	Resp:	373851
Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	26.2	21.0	31.6



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





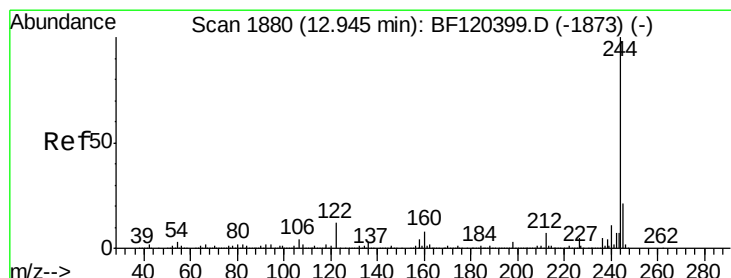
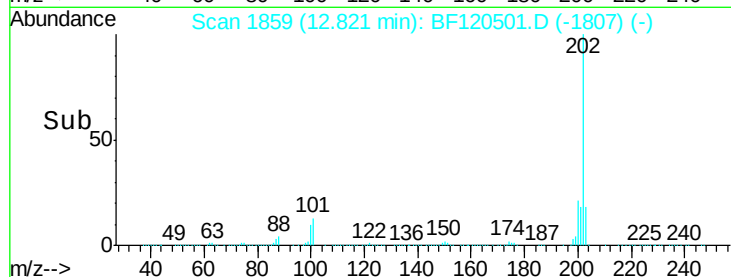
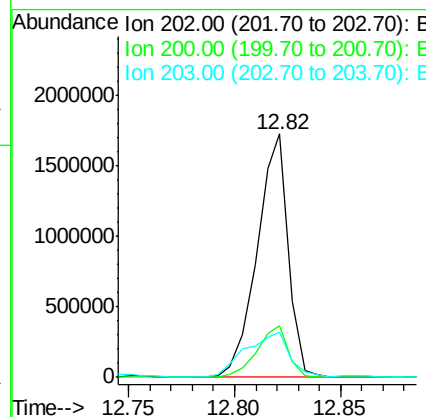
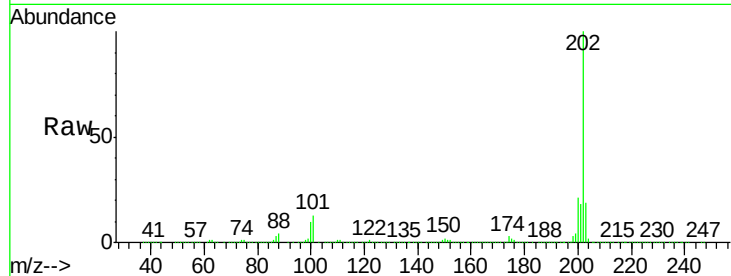
#78
Pvrene
Concen: 67.592 ng
RT: 12.82 min Scan# 1859
Delta R.T. 0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampleId :
LOT-11

Tot Ion:202 Resp: 1757333
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 18.7 14.6 22.0

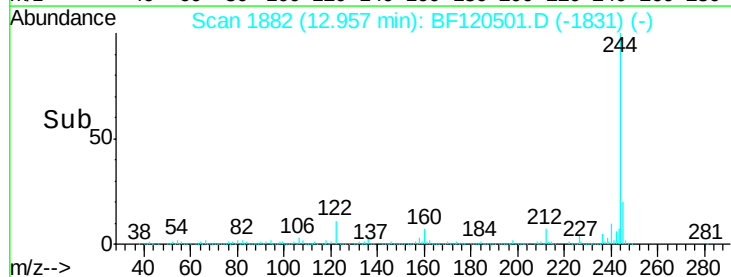
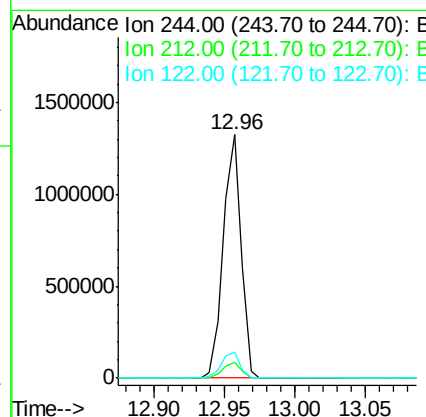
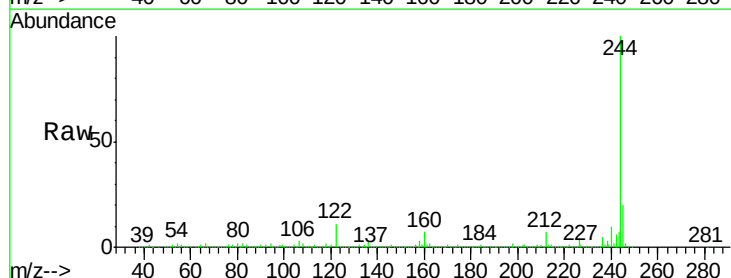
Manual Integrations
APPROVED

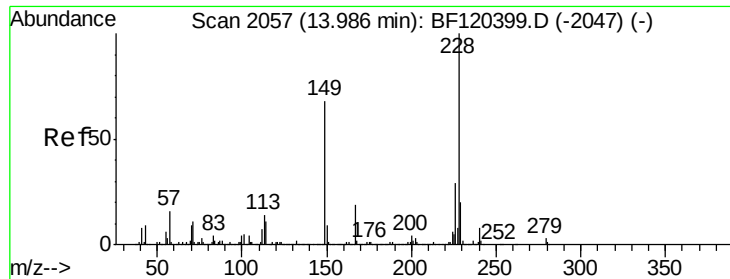
mohammad
6/3/2020 4:36:26 PM



#79
Terphenyl-d14
Concen: 69.241 ng
RT: 12.96 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion:244 Resp: 1163289
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 10.7 8.7 13.1





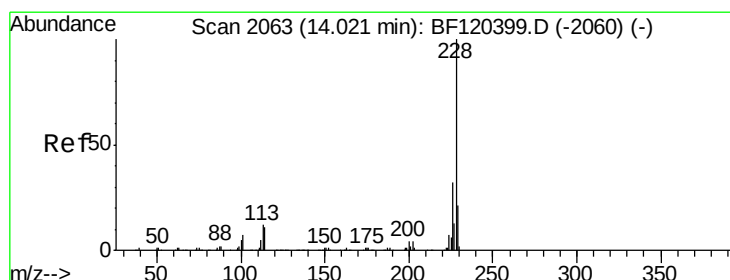
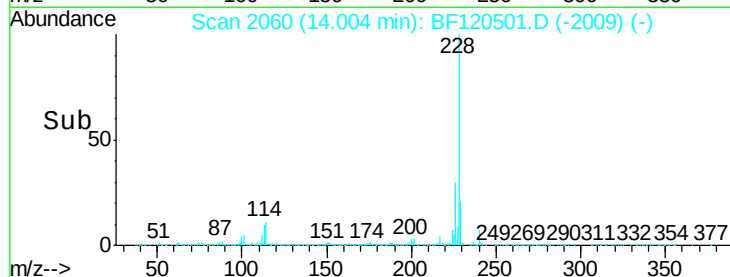
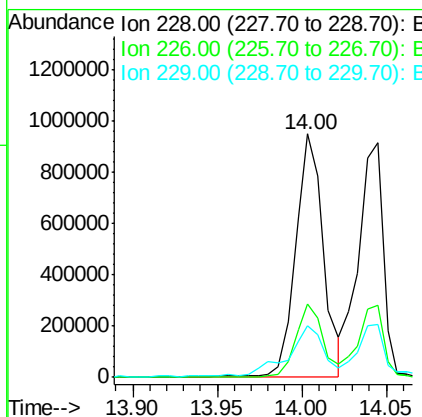
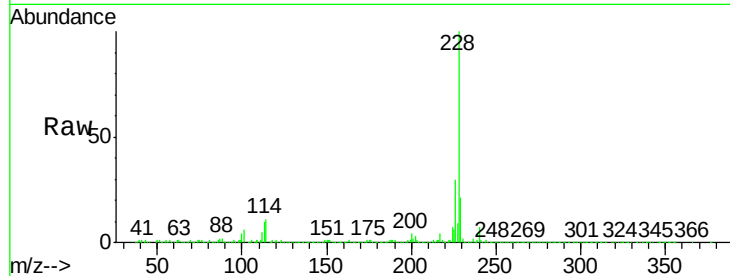
#81
Benzo(a)anthracene
Concen: 53.977 ng
RT: 14.00 min Scan# 2060
Delta R.T. -0.00 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampleId :
LOT-11

Tot Ion:228 Resp: 1081499
Ion Ratio Lower Upper
228 100
226 30.0 22.9 34.3
229 21.4 16.3 24.5

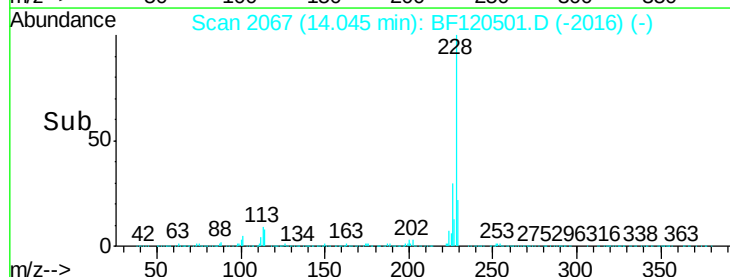
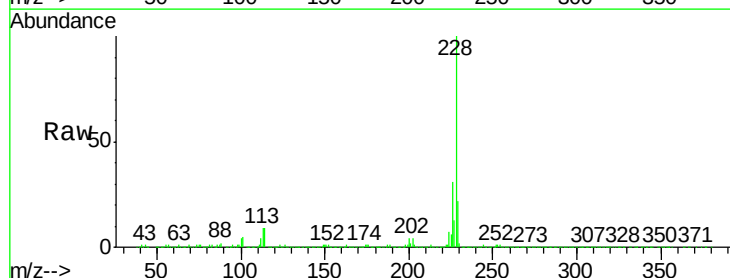
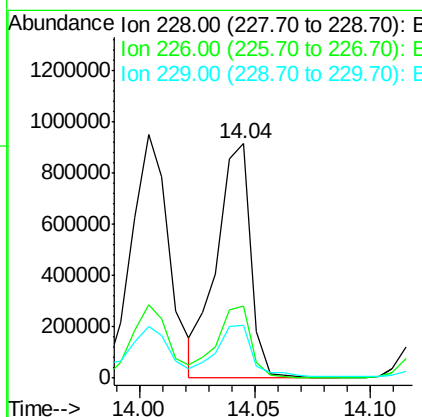
Manual Integrations
APPROVED

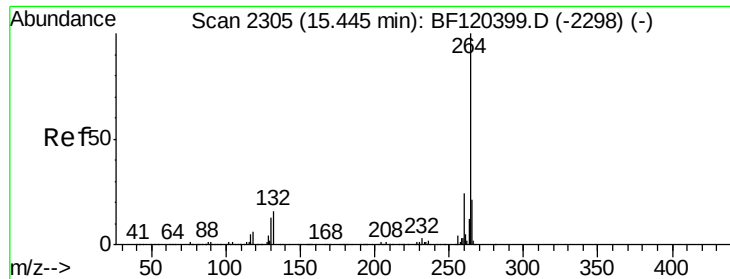
mohammad
6/3/2020 4:36:26 PM



#83
Chrysene
Concen: 44.159 ng
RT: 14.04 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion:228 Resp: 927588
Ion Ratio Lower Upper
228 100
226 30.5 25.7 38.5
229 22.3 16.4 24.6





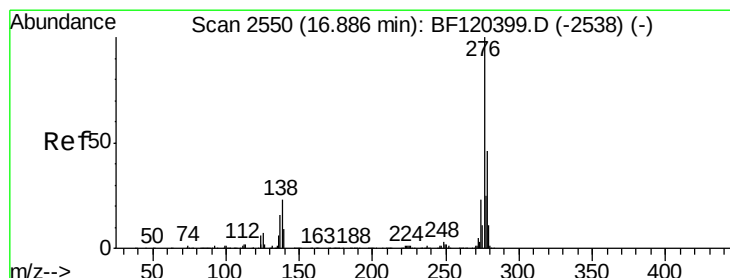
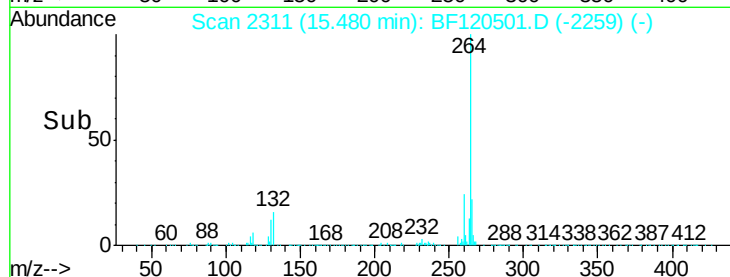
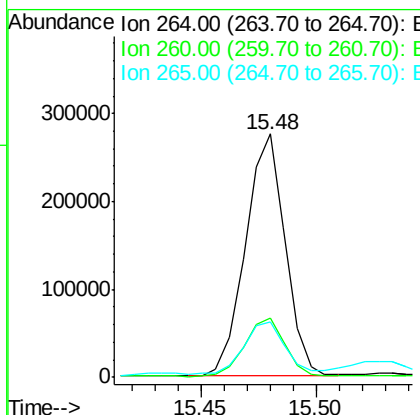
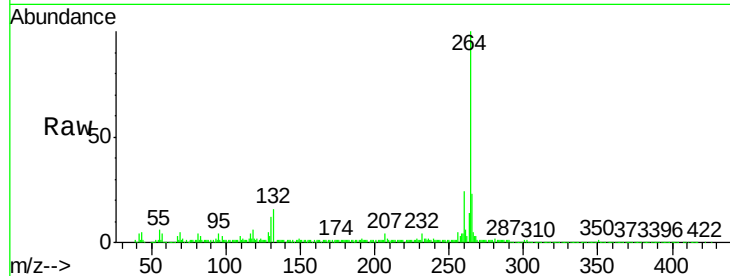
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2311
Delta R.T. 0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampled :
LOT-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	23.0	17.6	26.4

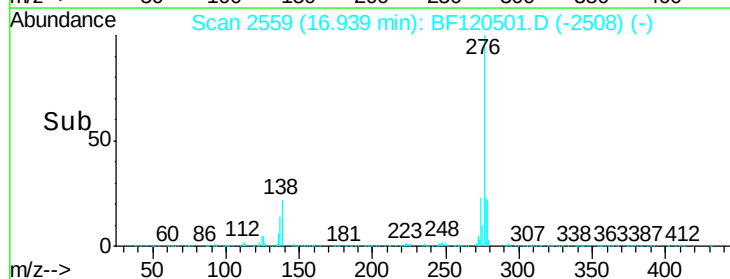
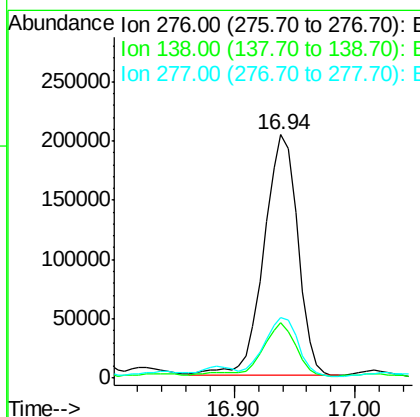
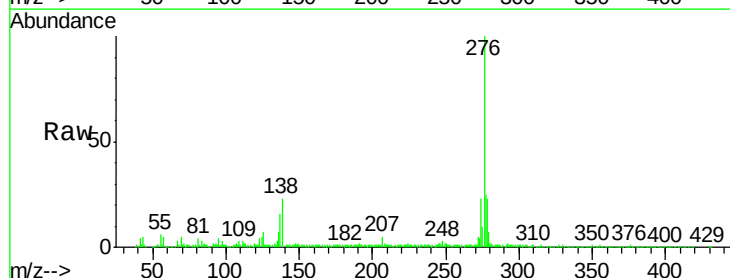
Manual Integrations
APPROVED

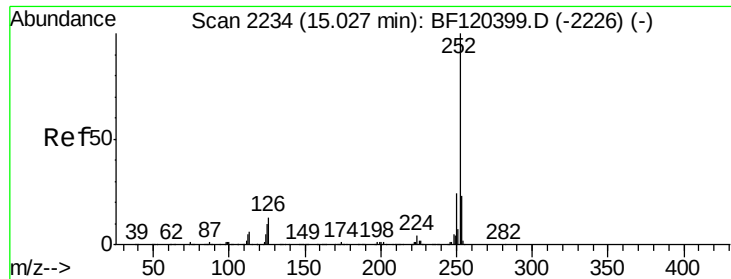
mohammad
6/3/2020 4:36:26 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 21.947 ng
RT: 16.94 min Scan# 2559
Delta R.T. -0.00 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.3	28.9
277	24.4	20.7	31.1





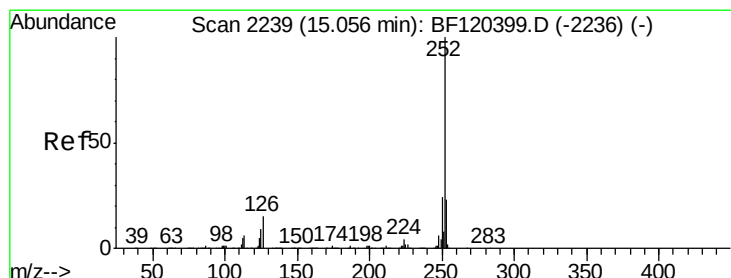
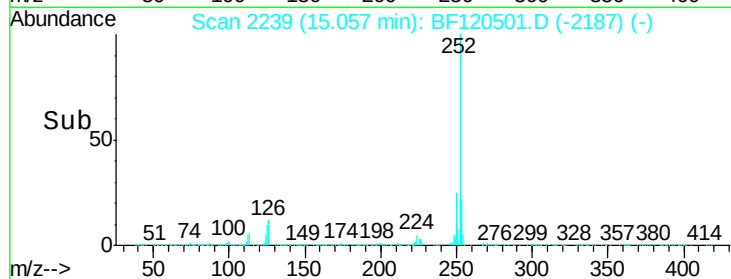
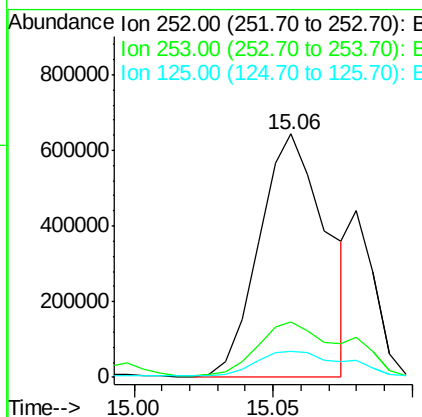
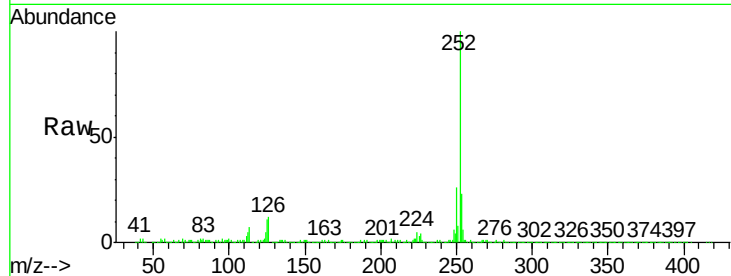
#88
Benzo(b)fluoranthene
Concen: 59.035 ng m
RT: 15.06 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampleId :
LOT-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.7	8.2	12.4

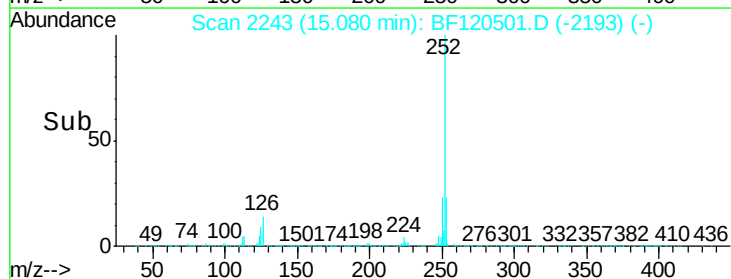
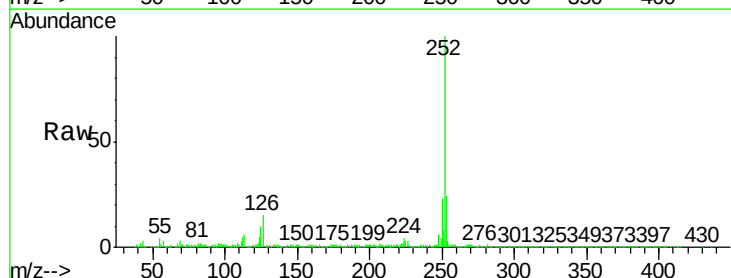
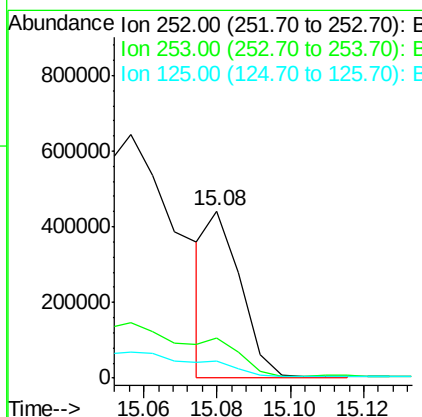
Manual Integrations
APPROVED

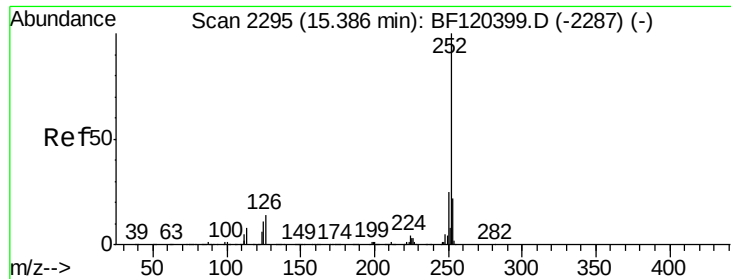
mohammad
6/3/2020 4:36:26 PM



#89
Benzo(k)fluoranthene
Concen: 16.622 ng m
RT: 15.08 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	10.4	7.1	10.7





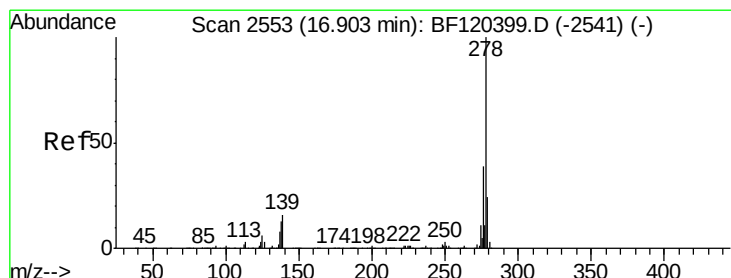
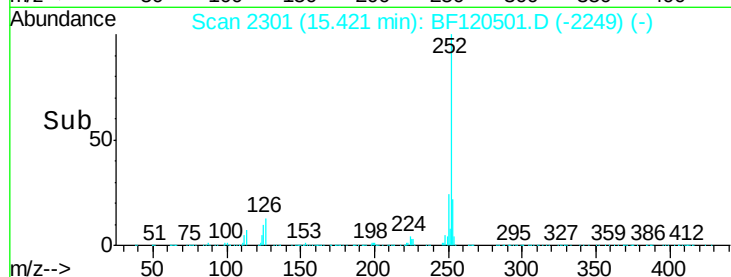
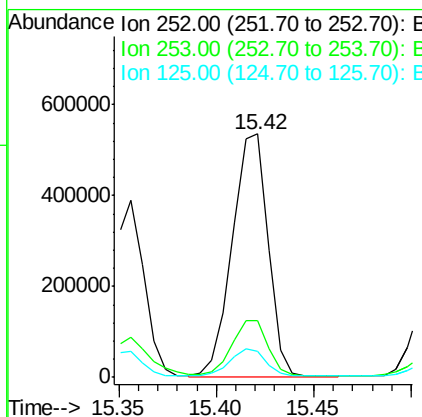
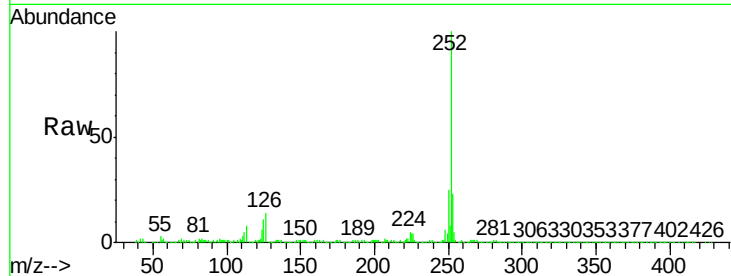
#90
Benzo(a)pyrene
Concen: 42.476 ng
RT: 15.42 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Instrument :
BNA_F
ClientSampled :
LOT-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.8	9.0	13.4

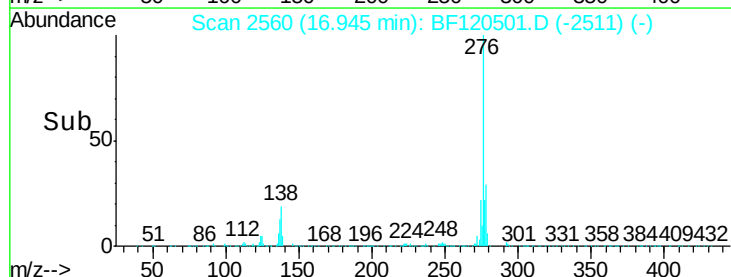
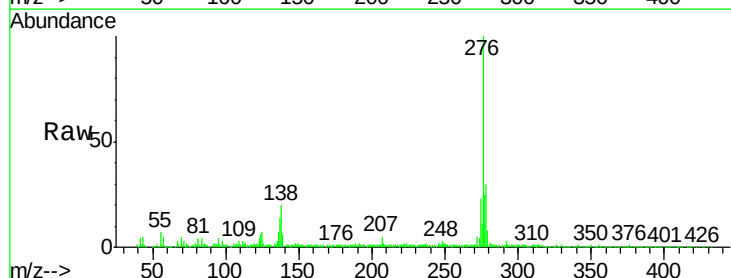
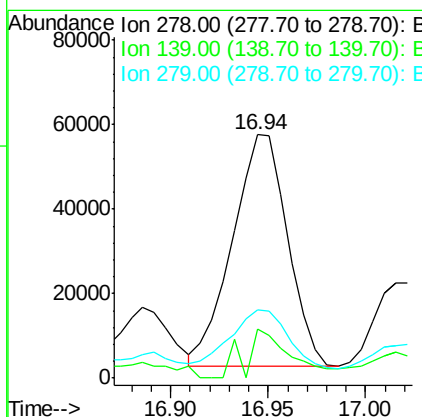
Manual Integrations
APPROVED

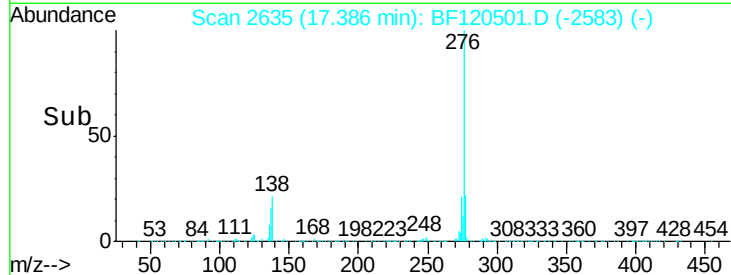
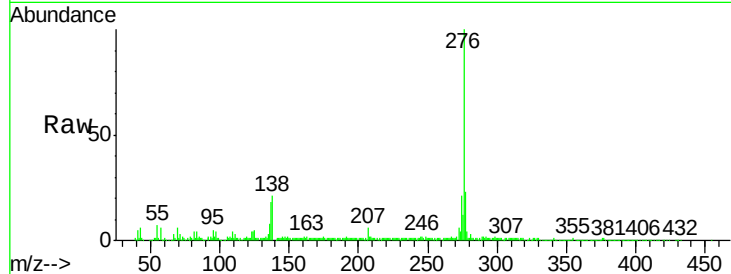
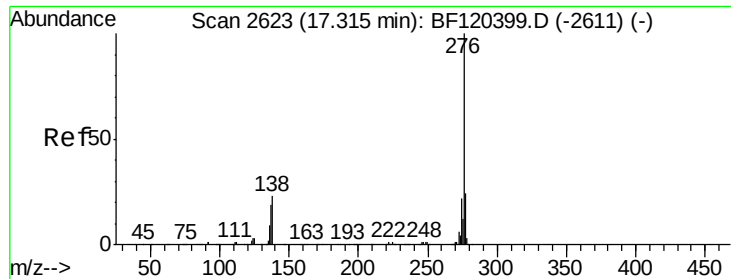
mohammad
6/3/2020 4:36:26 PM



#91
Dibenzo(a,h)anthracene
Concen: 7.344 ng
RT: 16.94 min Scan# 2560
Delta R.T. -0.01 min
Lab File: BF120501.D
Acq: 2 Jun 2020 18:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	12.2	18.4#
279	27.9	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 23.999 ng
 RT: 17.39 min Scan# 2635
 Delta R.T. 0.01 min
 Lab File: BF120501.D
 Acq: 2 Jun 2020 18:08

Instrument :
 BNA_F
 ClientSampleId :
 LOT-11

Tot Ion:	276	Resp:	346763
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.8	28.2
138	21.3	16.8	25.2

Manual Integrations
 APPROVED

mohammad
 6/3/2020 4:36:26 PM

