

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120084.D
 Acq On : 20 Apr 2020 18:12
 Operator : MA/SJ
 Sample : L2314-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-8-2

Manual Integrations
 APPROVED

mohammad
 4/21/2020 2:55:00 PM

Quant Time: Apr 21 02:16:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	142777	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	556052	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	305822	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	539024	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	355614	20.00	ng	-0.01
87) Perylene-d12	15.31	264	326356	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	684914	82.90	ng	0.00
7) Phenol-d6	6.36	99	870589	81.78	ng	0.00
23) Nitrobenzene-d5	7.28	82	510230	47.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	221956	59.28	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	1009065	46.85	ng	0.00
79) Terphenyl-d14	12.83	244	1077708	50.99	ng	-0.01
Target Compounds						
31) Naphthalene	8.02	128	101023	3.453	ng	99
50) Dimethylphthalate	9.47	163	226307	9.567	ng	100
71) Phenanthrene	11.26	178	153819	5.362	ng	100
75) Fluoranthene	12.46	202	154989	5.007	ng	95
78) Pyrene	12.68	202	201826	6.732	ng	98
81) Benzo(a)anthracene	13.87	228	99194m	4.240	ng	
83) Chrysene	13.91	228	102698	4.320	ng	96
86) Indeno(1,2,3-cd)pyrene	16.68	276	68479	3.268	ng	96
88) Benzo(b)fluoranthene	14.90	252	127339m	5.424	ng	
90) Benzo(a)pyrene	15.24	252	105205	5.330	ng	98
92) Benzo(g,h,i)perylene	17.10	276	69265	4.013	ng	94

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

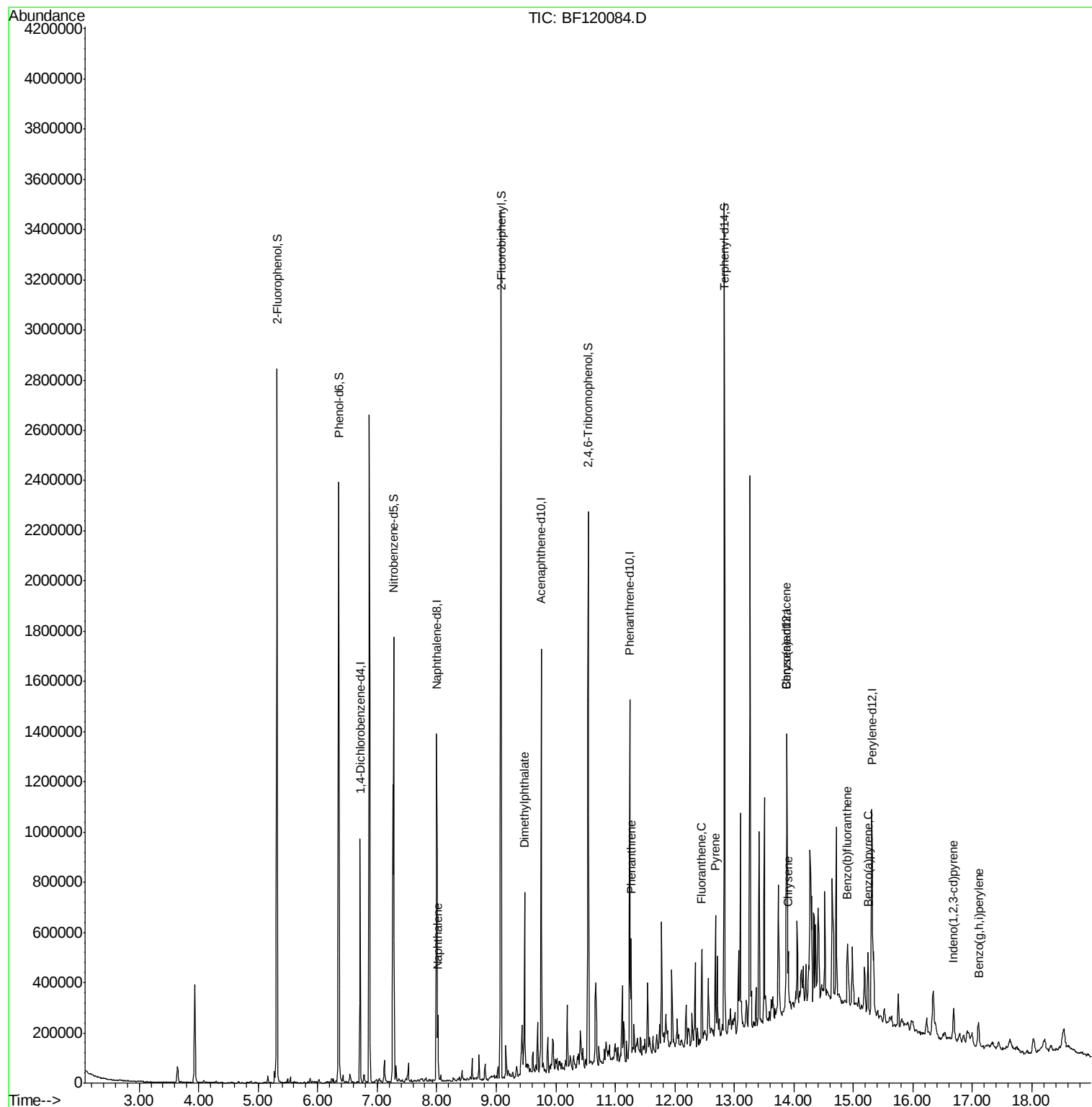
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120084.D
Acq On : 20 Apr 2020 18:12
Operator : MA/SJ
Sample : L2314-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

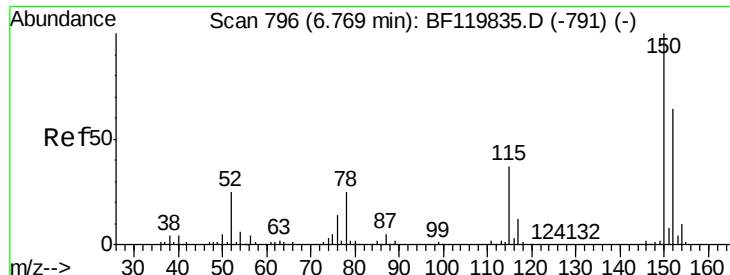
Instrument :
BNA_F
ClientSampleId :
WB-8-2

Manual Integrations
APPROVED

mohammad
4/21/2020 2:55:00 PM

Quant Time: Apr 21 02:16:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 14:10:57 2020
Response via : Initial Calibration





#1

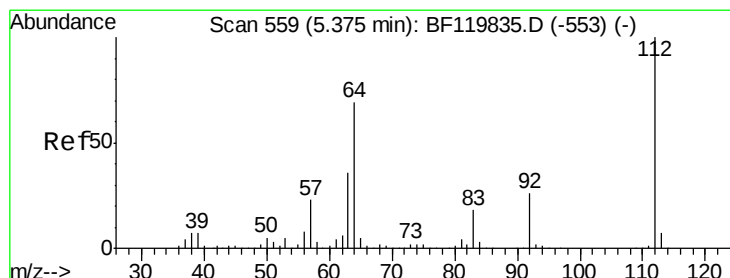
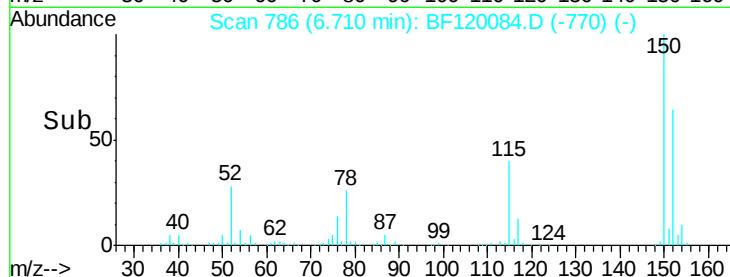
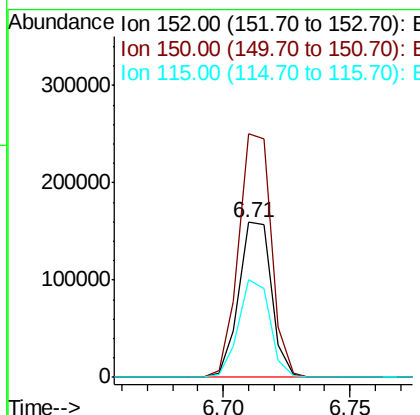
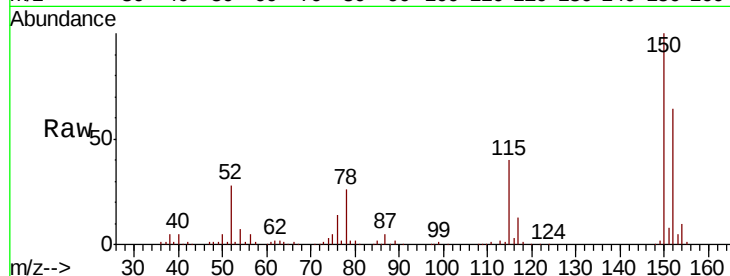
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
WB-8-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.8	187.2
115	63.2	46.5	69.7

Manual Integrations
APPROVED

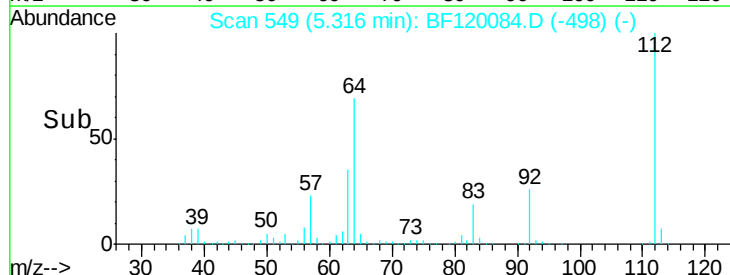
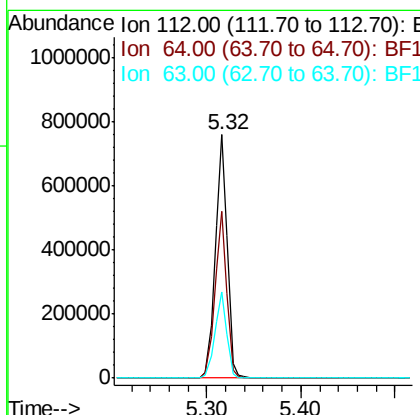
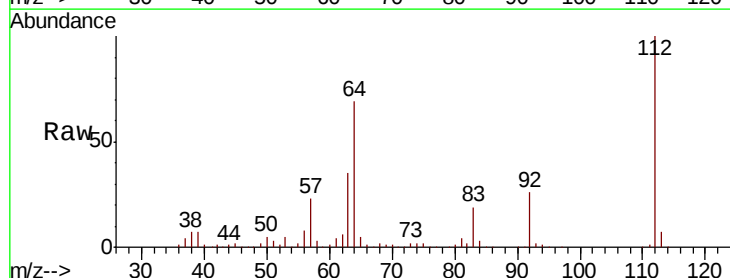
mohammad
4/21/2020 2:55:00 PM



#5

2-Fluorophenol
Concen: 82.903 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	55.5	83.3
63	35.2	29.1	43.7





#7

Phenol-d6

Concen: 81.779 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Instrument :

BNA_F

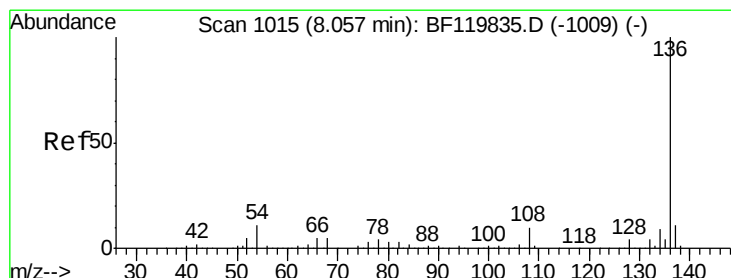
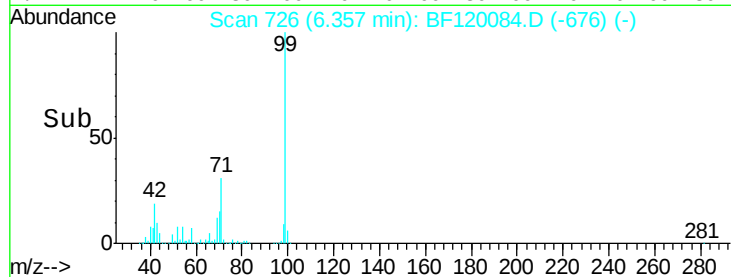
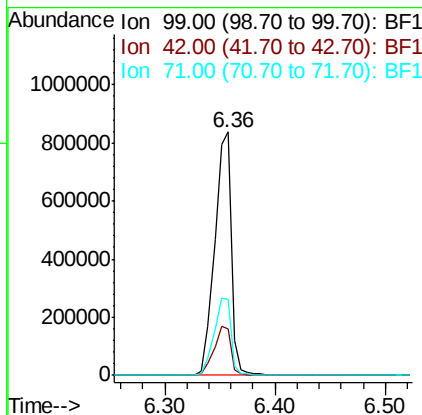
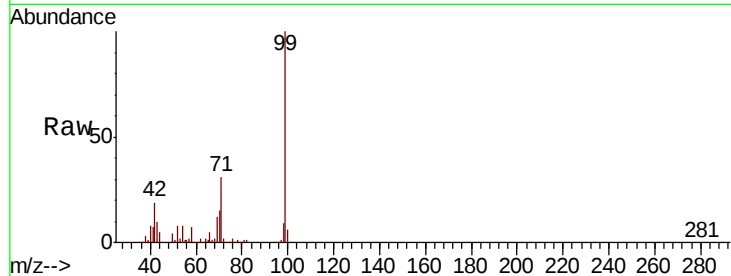
ClientSampled :

WB-8-2

Tot Ion:	99	Resp:	870589
Ion Ratio	Lower	Upper	
99	100		
42	18.9	16.9	25.3
71	31.4	26.3	39.5

Manual Integrations
APPROVED

mohammad
4/21/2020 2:55:00 PM



#21

Naphthalene-d8

Concen: 20.000 ng

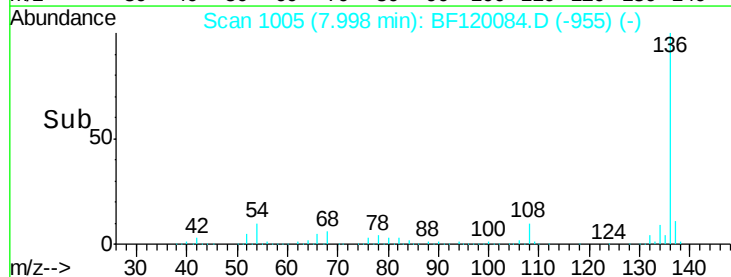
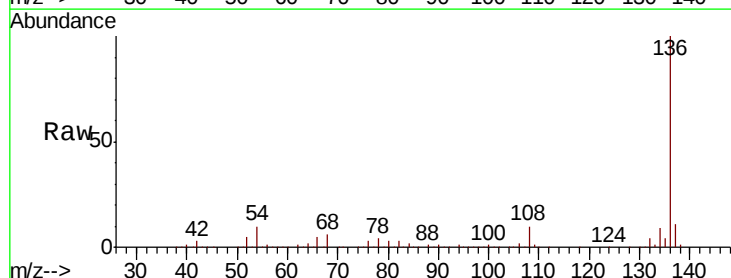
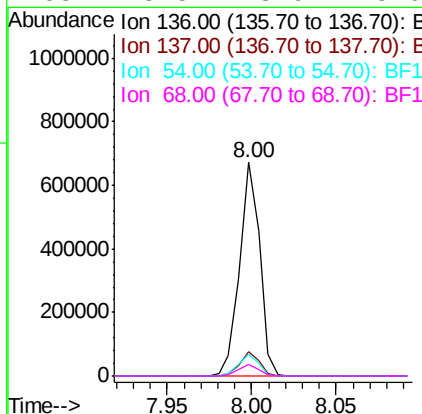
RT: 8.00 min Scan# 1005

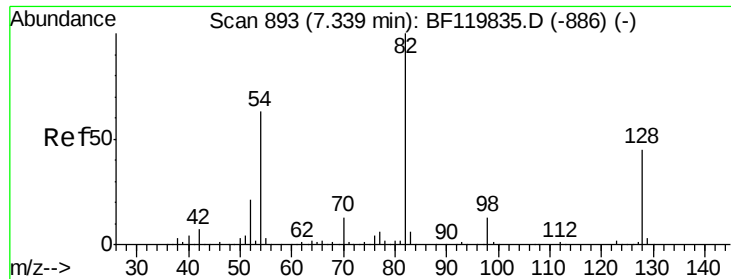
Delta R.T. -0.01 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Tgt Ion:	136	Resp:	556052
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	10.4	8.5	12.7
68	5.5	3.9	5.9





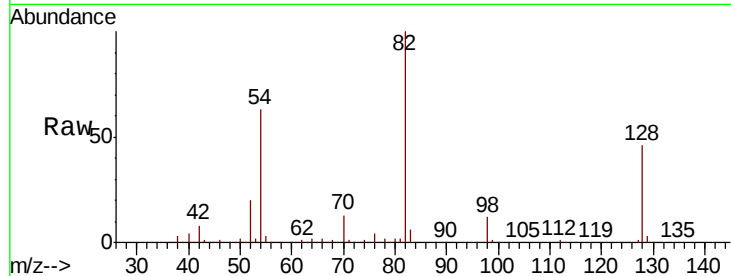
#23
Nitrobenzene-d5
Concen: 47.470 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
WB-8-2

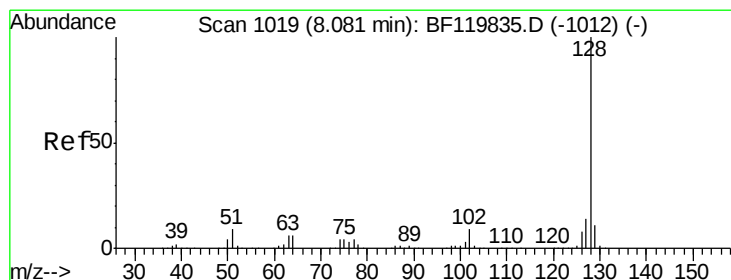
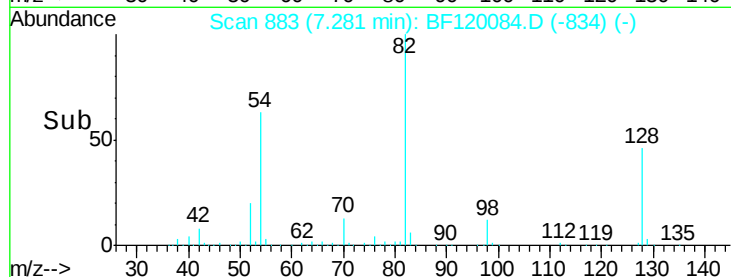
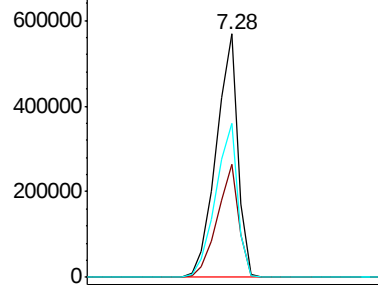
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.2	54.4
54	63.1	50.4	75.6

Manual Integrations
APPROVED

mohammad
4/21/2020 2:55:00 PM



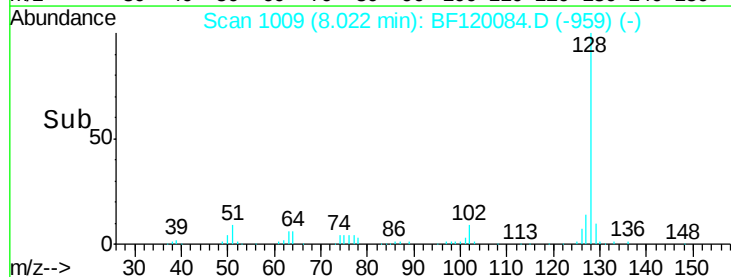
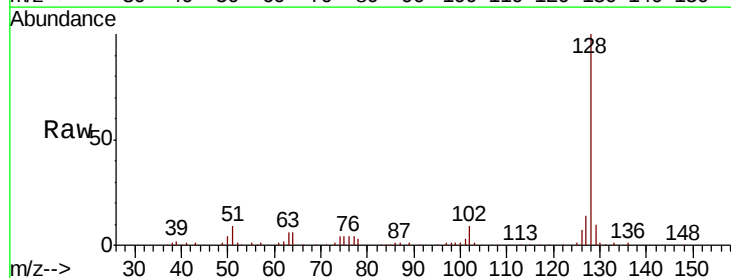
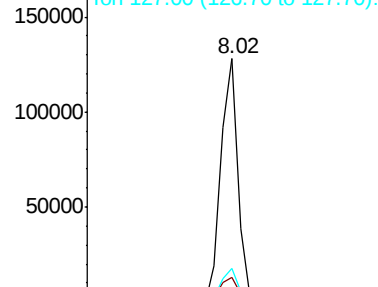
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

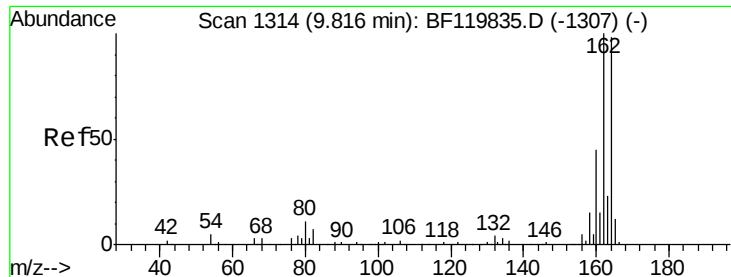


#31
Naphthalene
Concen: 3.453 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.0	13.6
127	13.6	11.0	16.4

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





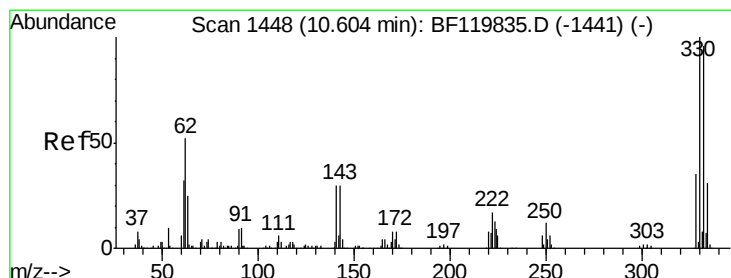
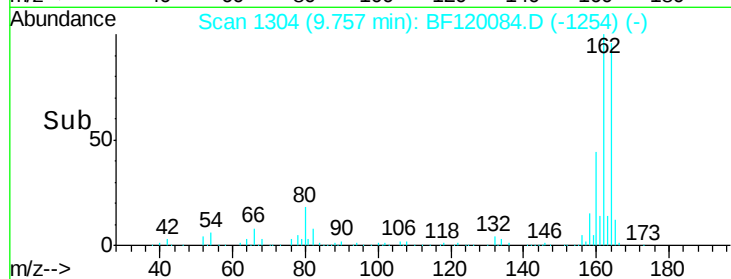
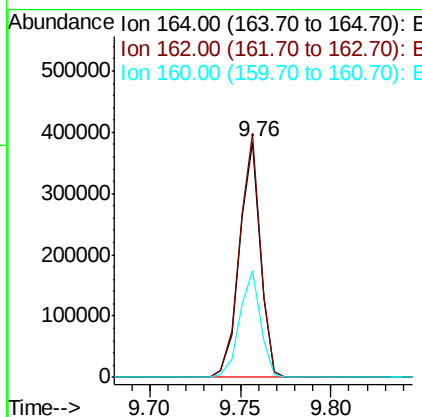
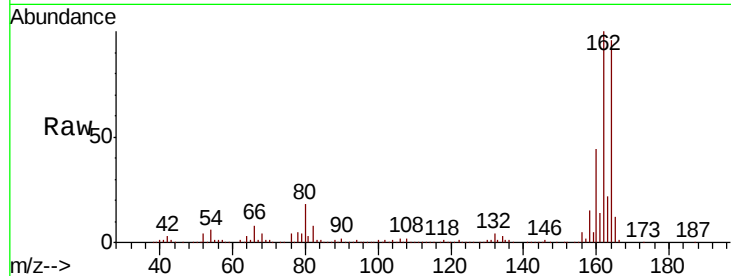
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF120084.D
 Acq: 20 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 WB-8-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.9	122.9
160	45.6	36.6	54.8

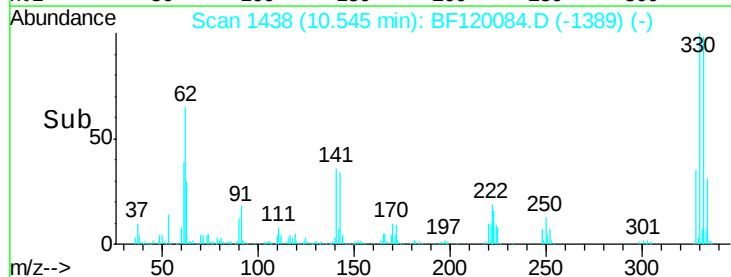
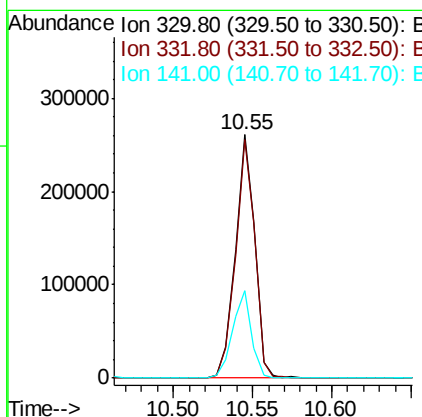
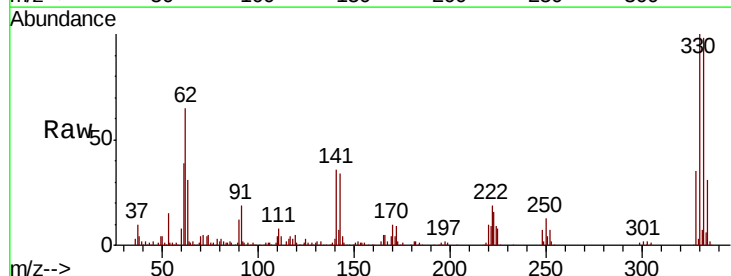
Manual Integrations
 APPROVED

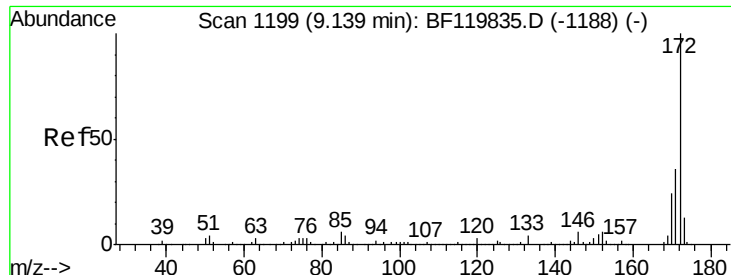
mohammad
 4/21/2020 2:55:00 PM



#42
 2,4,6-Tribromophenol
 Concen: 59.278 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF120084.D
 Acq: 20 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.8	115.2
141	36.0	25.1	37.7





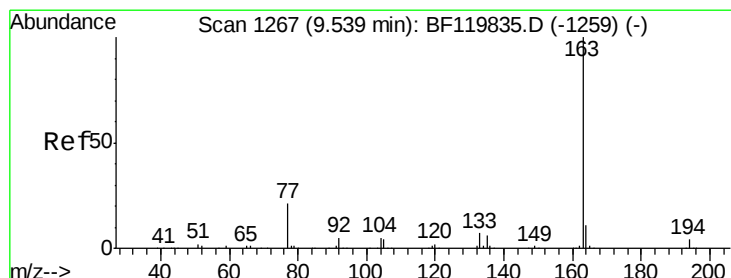
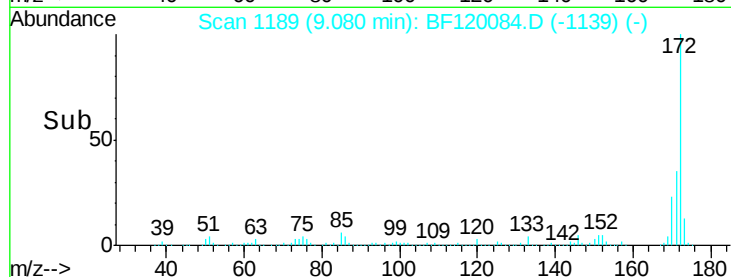
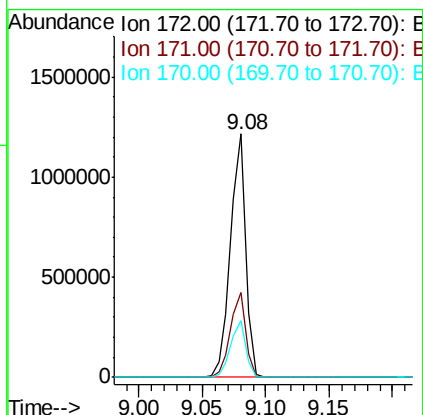
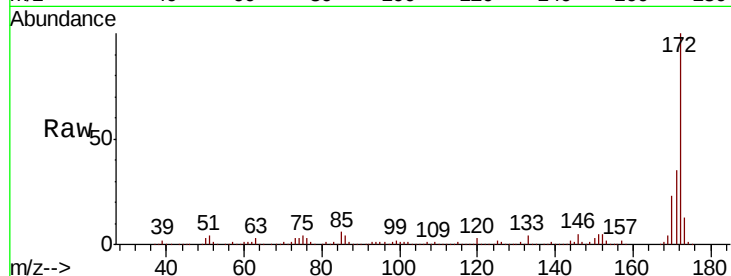
#45
2-Fluorobiphenyl
Concen: 46.846 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
WB-8-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.9	43.3
170	23.4	19.4	29.2

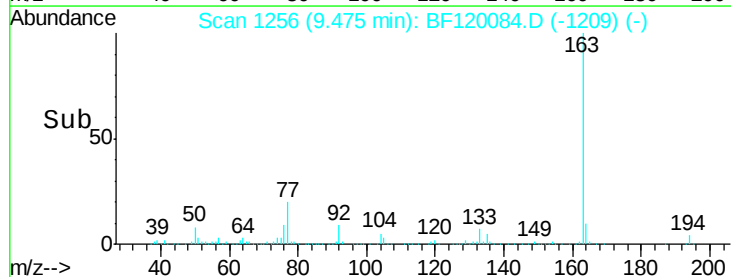
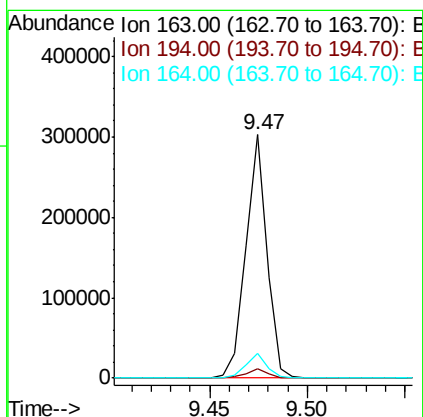
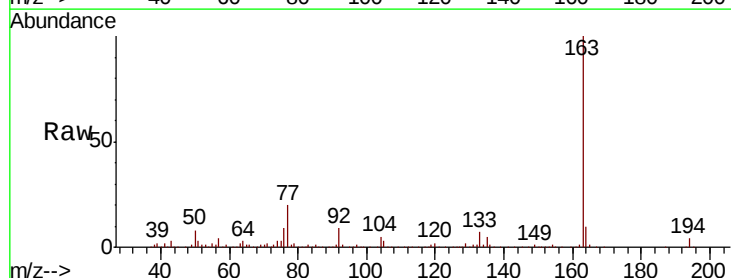
Manual Integrations
APPROVED

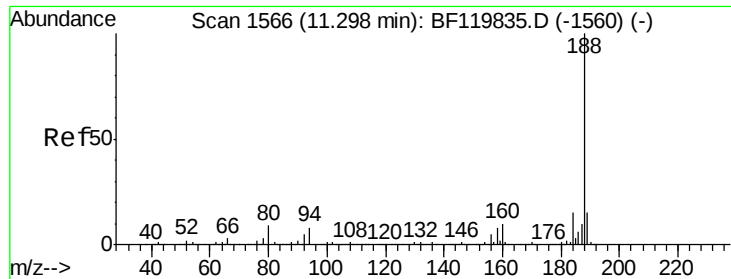
mohammad
4/21/2020 2:55:00 PM



#50
Dimethylphthalate
Concen: 9.567 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.3	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Instrument :

BNA_F

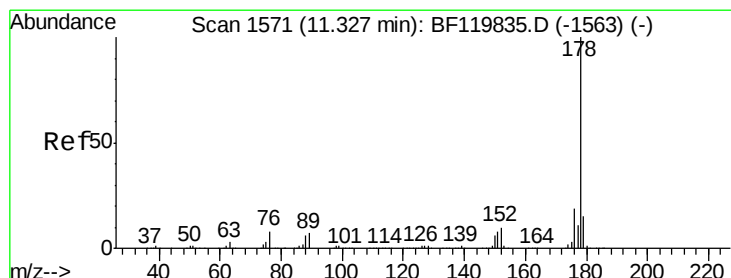
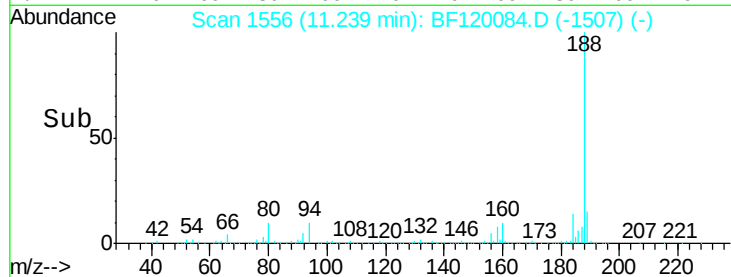
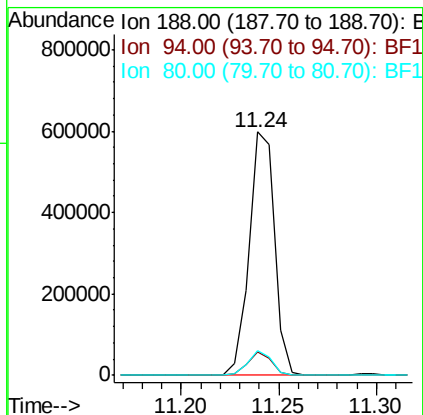
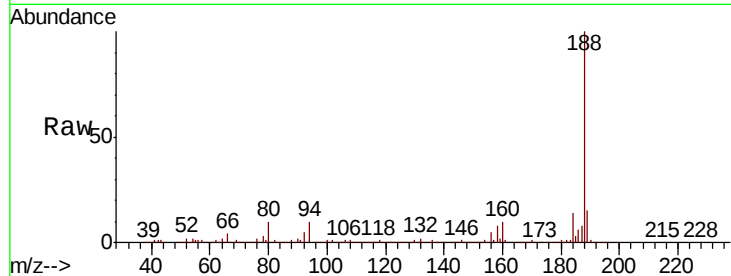
ClientSampleId :

WB-8-2

Tot Ion:	188	Resp:	539024
Ion Ratio	Lower	Upper	
188	100		
94	9.7	6.7	10.1
80	10.4	7.4	11.2

Manual Integrations
APPROVED

mohammad
4/21/2020 2:55:00 PM



#71

Phenanthrene

Concen: 5.362 ng

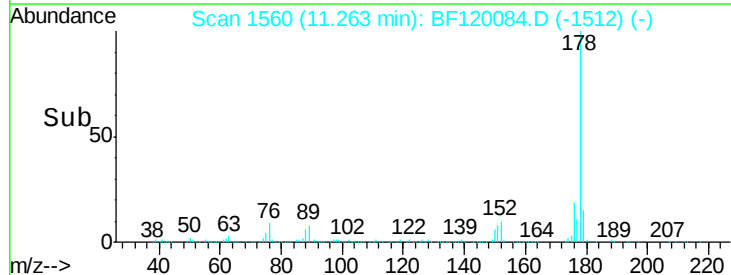
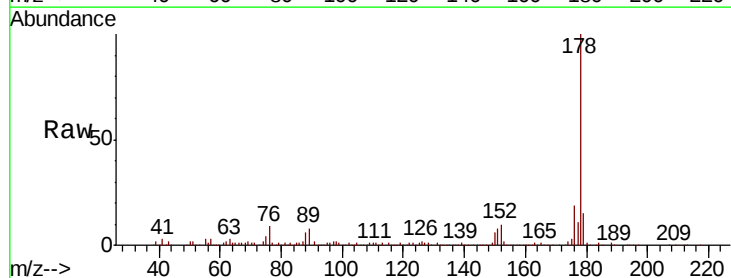
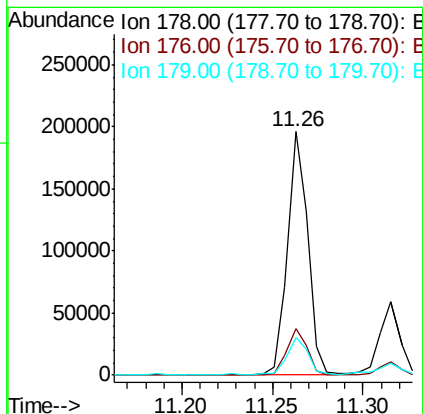
RT: 11.26 min Scan# 1560

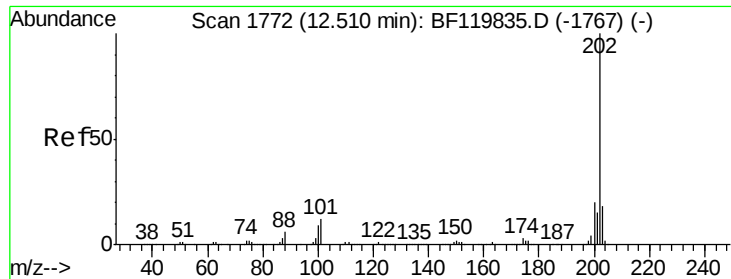
Delta R.T. -0.02 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Tgt Ion:	178	Resp:	153819
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.1	22.7
179	15.4	12.2	18.4





#75

Fluoranthene

Concen: 5.007 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Instrument :

BNA_F

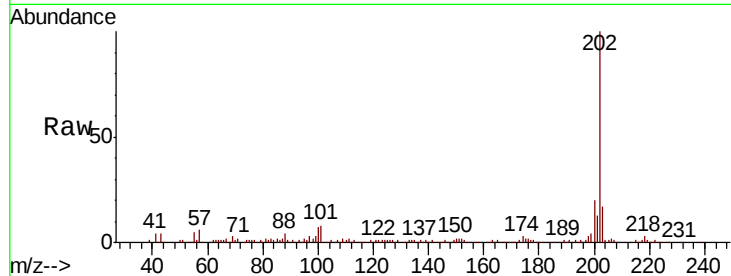
ClientSampleId :

WB-8-2

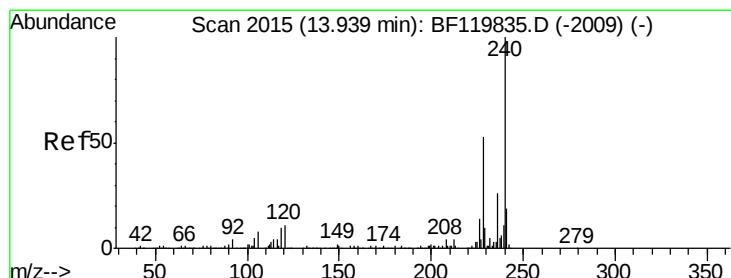
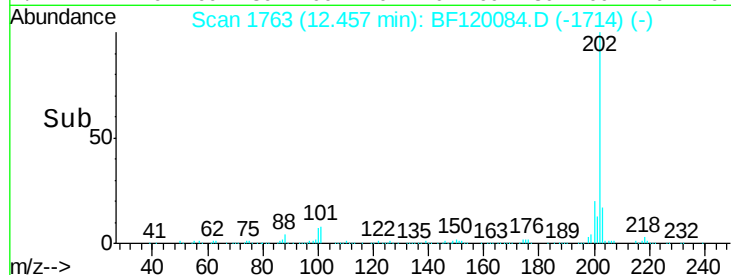
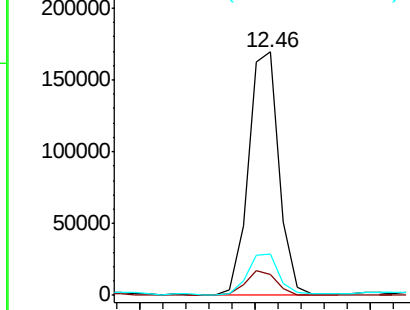
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		154989		
101	8.5	0.0	32.3		
203	17.1	0.0	37.6		

Manual Integrations
APPROVED

mohammad
4/21/2020 2:55:00 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

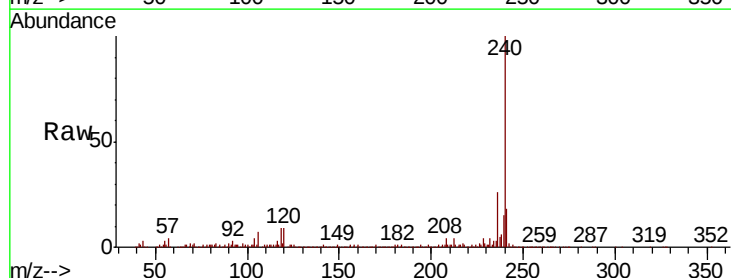
RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

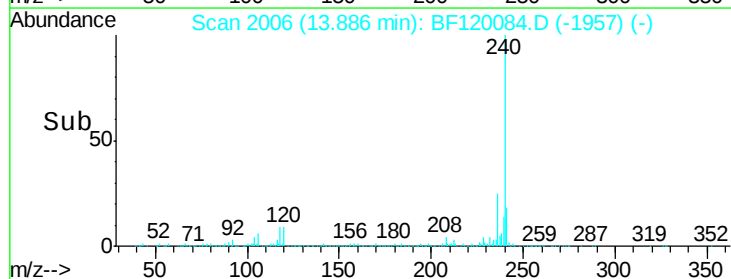
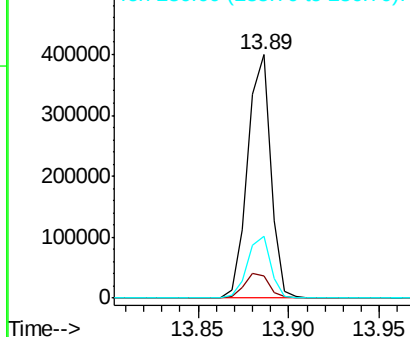
Lab File: BF120084.D

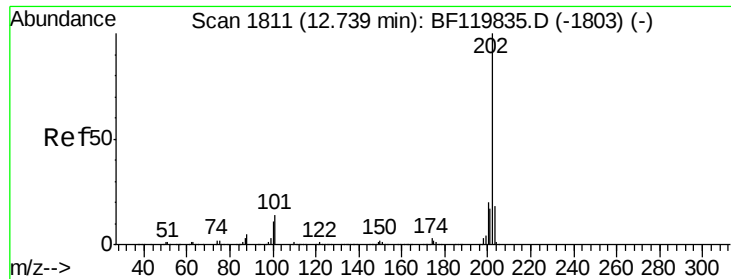
Acq: 20 Apr 2020 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		355614		
120	9.2	9.0	13.6		
236	25.6	20.7	31.1		



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: 6.732 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Instrument :

BNA_F

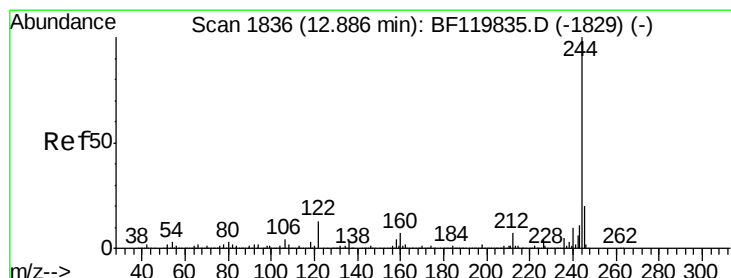
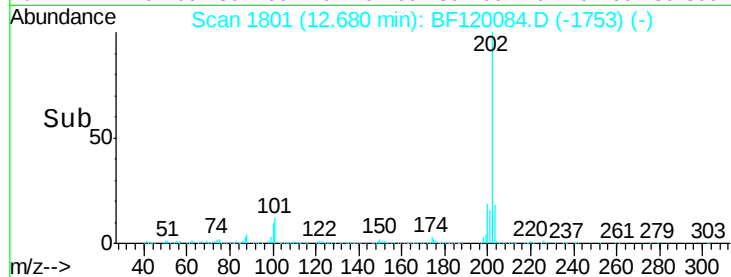
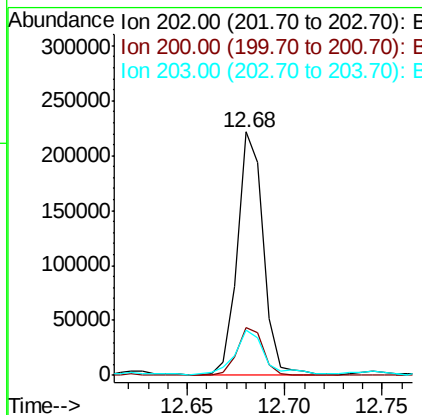
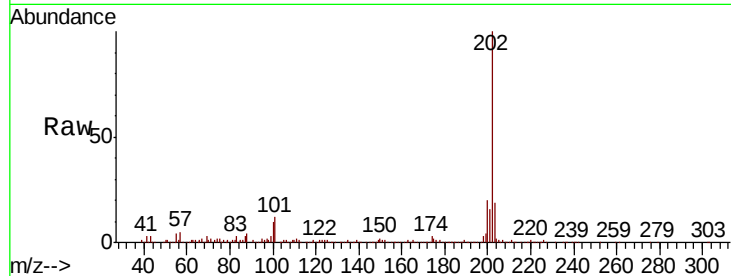
ClientSampled :

WB-8-2

Tot Ion:	202	Resp:	201826
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.2	24.2
203	18.5	14.1	21.1

Manual Integrations
APPROVED

mohammad
4/21/2020 2:55:00 PM



#79

Terphenyl-d14

Concen: 50.994 ng

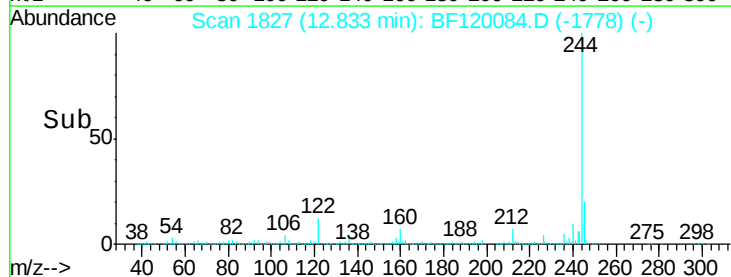
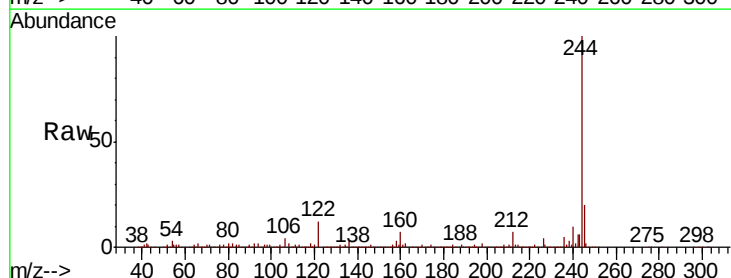
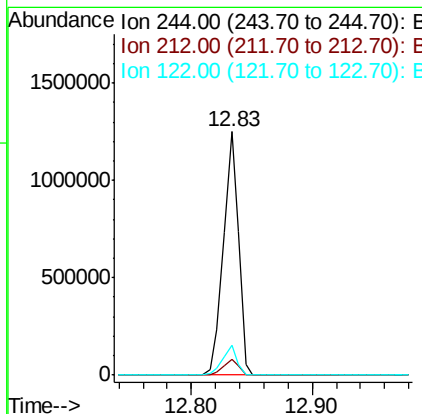
RT: 12.83 min Scan# 1827

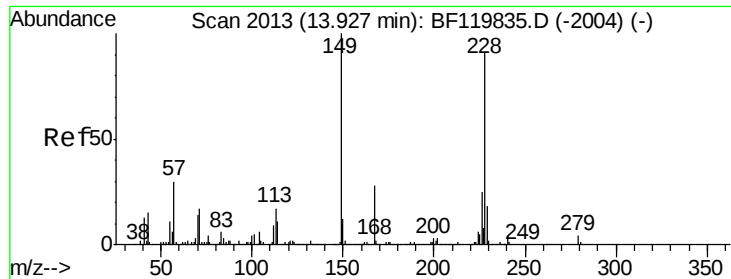
Delta R.T. -0.01 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Tgt Ion:	244	Resp:	1077708
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	12.2	10.3	15.5





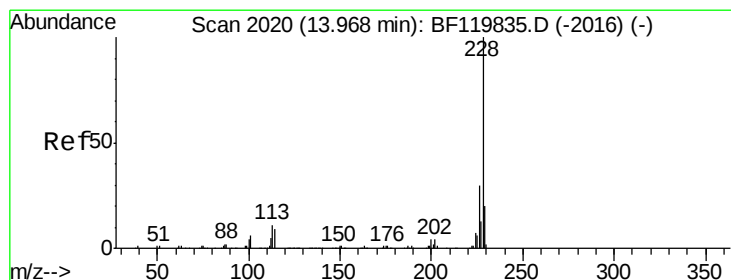
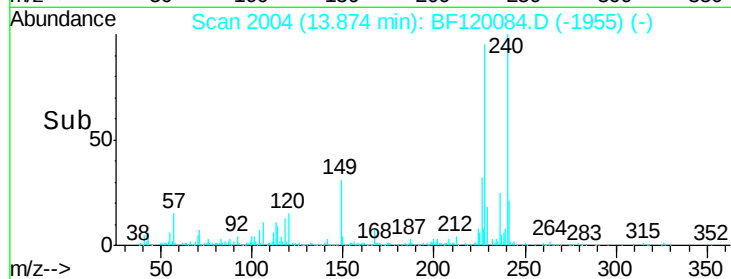
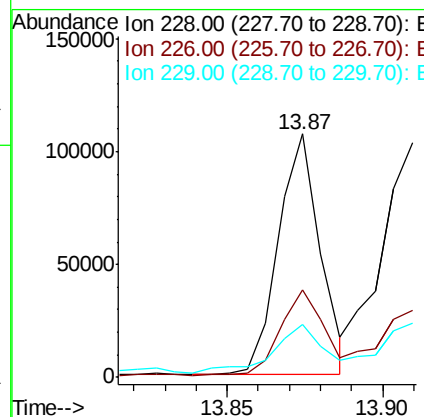
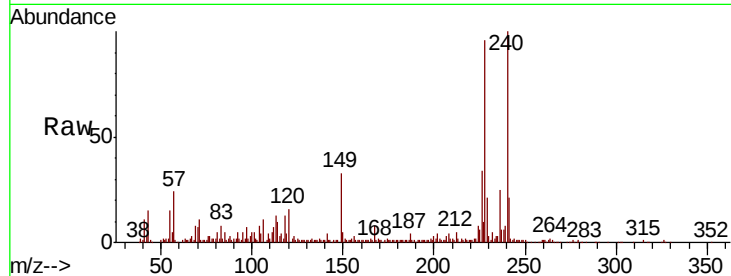
#81
Benzo(a)anthracene
Concen: 4.240 ng m
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Instrument :
BNA_F
ClientSampled :
WB-8-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.7	21.9	32.9#
229	21.9	15.9	23.9

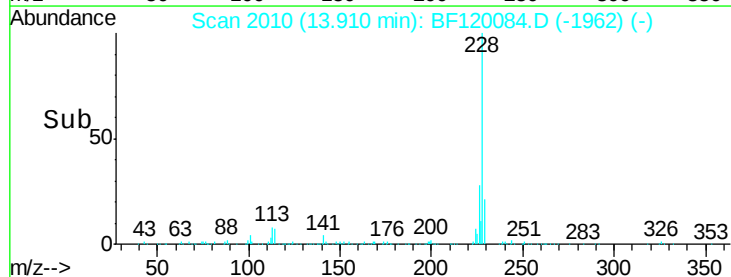
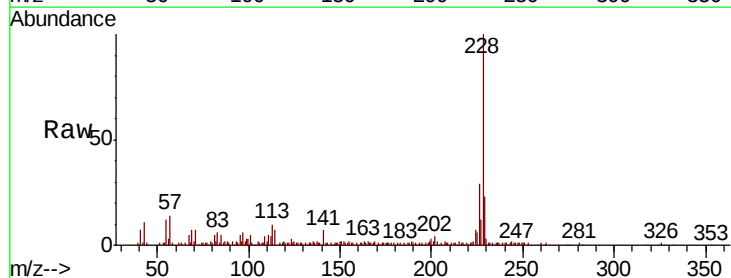
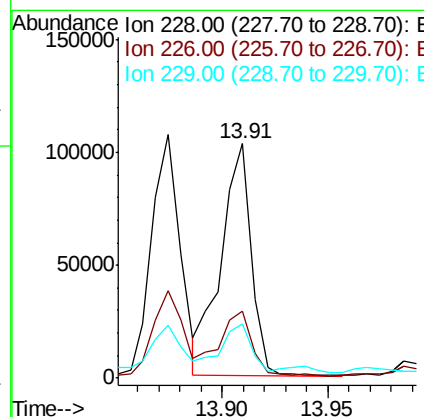
Manual Integrations
APPROVED

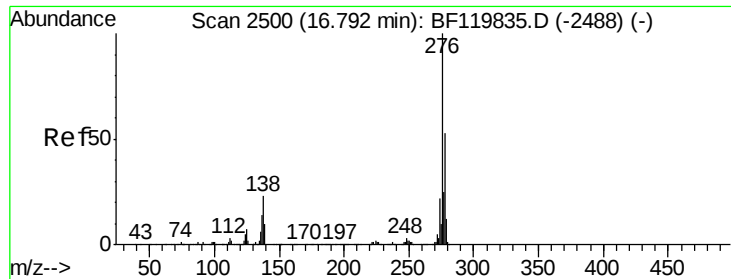
mohammad
4/21/2020 2:55:00 PM



#83
Chrysene
Concen: 4.320 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.2
229	23.0	15.9	23.9





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.268 ng

RT: 16.68 min Scan# 2481

Delta R.T. -0.04 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Instrument :

BNA_F

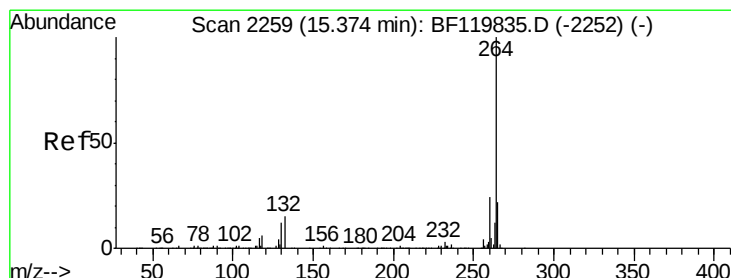
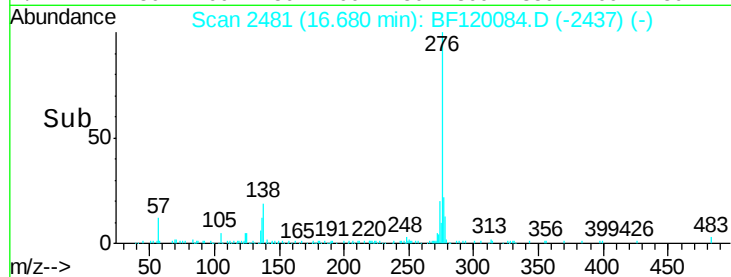
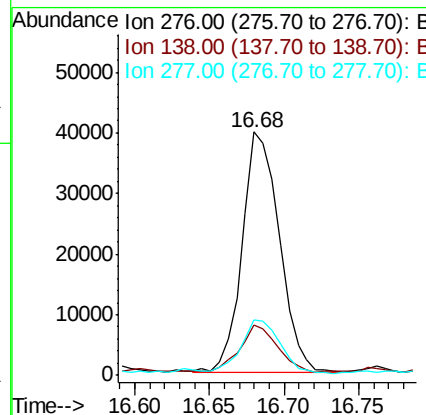
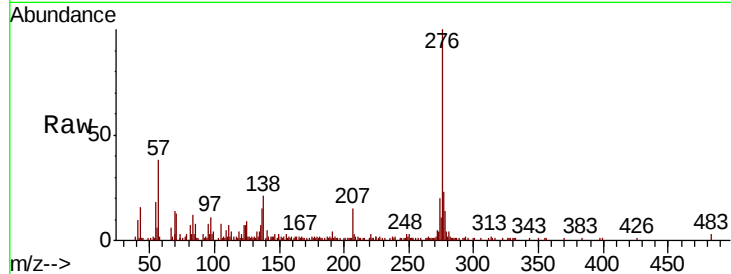
ClientSampled :

WB-8-2

Tot Ion:	276	Resp:	68479
Ion Ratio	Lower	Upper	
276	100		
138	20.1	18.0	27.0
277	23.3	20.1	30.1

Manual Integrations
APPROVED

mohammad
4/21/2020 2:55:00 PM



#87

Perylene-d12

Concen: 20.000 ng

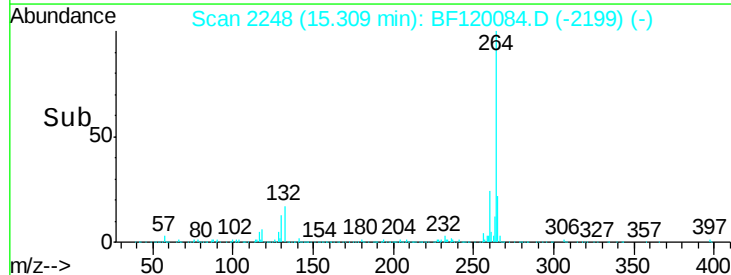
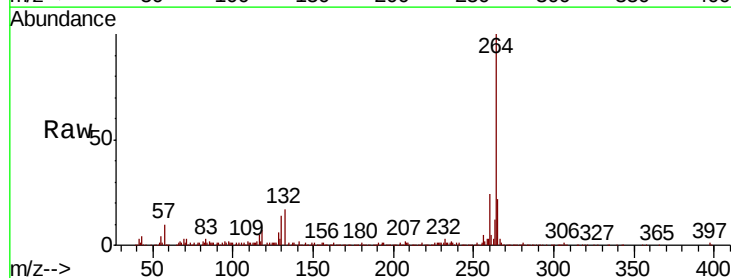
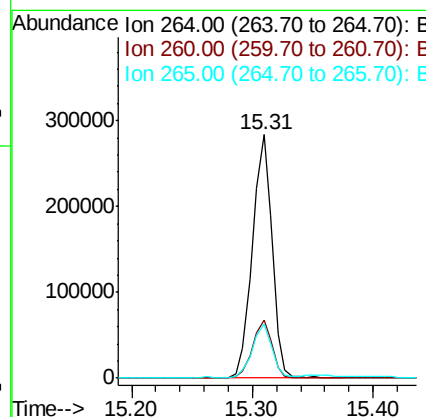
RT: 15.31 min Scan# 2248

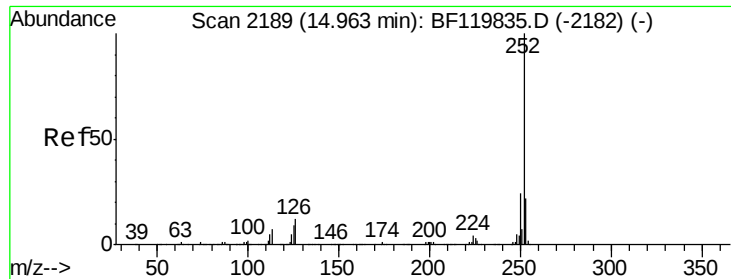
Delta R.T. -0.01 min

Lab File: BF120084.D

Acq: 20 Apr 2020 18:12

Tgt Ion:	264	Resp:	326356
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.3	28.9
265	22.2	17.6	26.4





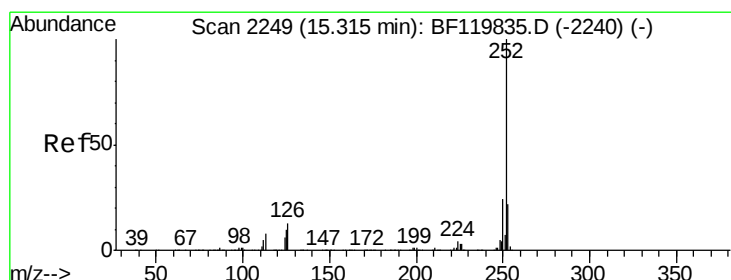
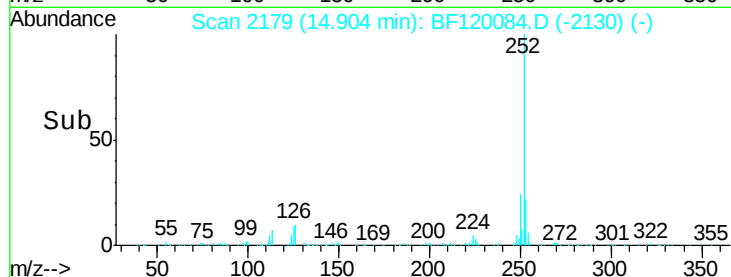
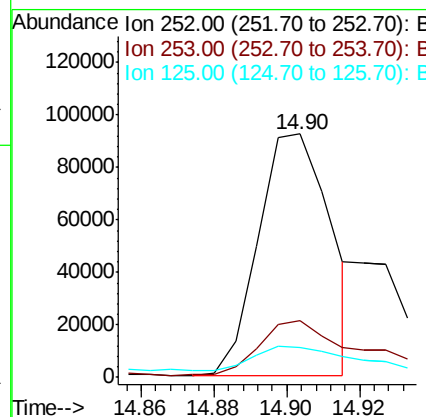
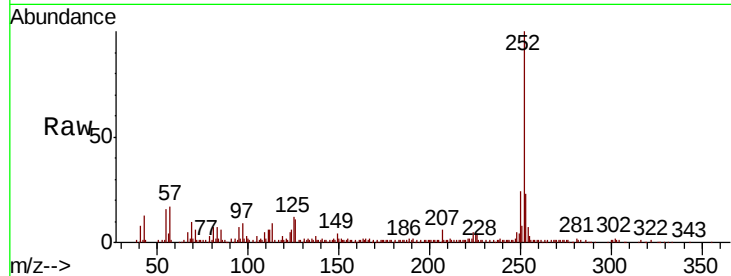
#88
Benzo(b)fluoranthene
Concen: 5.424 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Instrument :
BNA_F
ClientSampleId :
WB-8-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	12.1	7.4	11.2

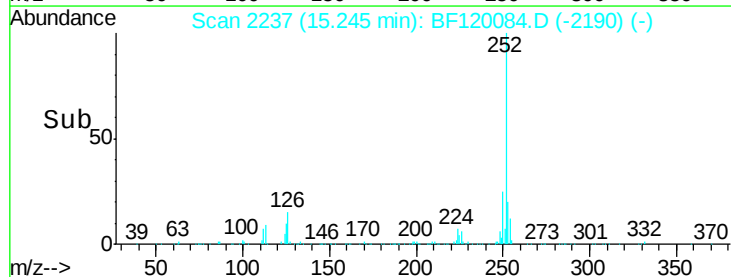
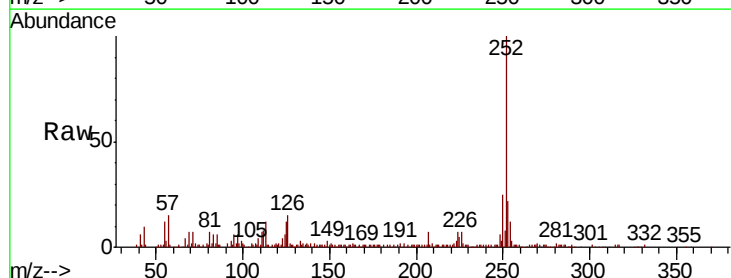
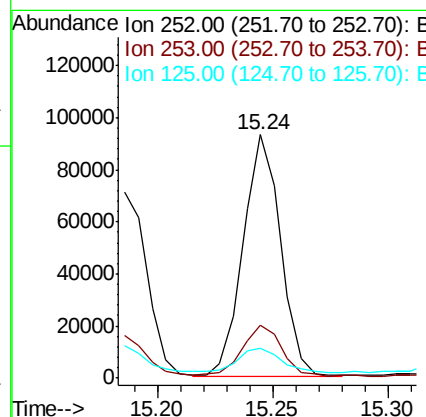
Manual Integrations
APPROVED

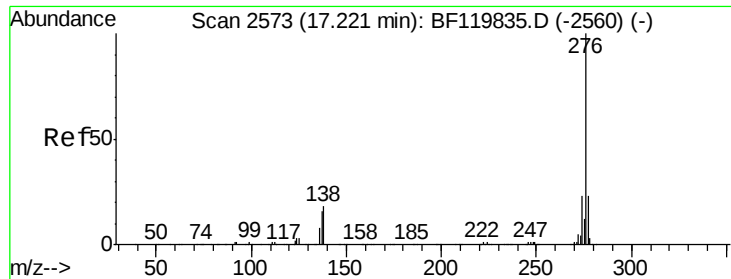
mohammad
4/21/2020 2:55:00 PM



#90
Benzo(a)pyrene
Concen: 5.330 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF120084.D
Acq: 20 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	12.3	8.3	12.5





#92
 Benzo(a,h,i)perylene
 Concen: 4.013 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.04 min
 Lab File: BF120084.D
 Acq: 20 Apr 2020 18:12

Instrument :
 BNA_F
 ClientSampleId :
 WB-8-2

Tot Ion:	276	Resp:	69265
Ion Ratio		Lower	Upper
276	100		
277	20.5	18.5	27.7
138	21.3	14.6	22.0

Manual Integrations
 APPROVED

mohammad
 4/21/2020 2:55:00 PM

