

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116938.D
 Acq On : 10 Sep 2019 22:54
 Operator : HP/JU
 Sample : K4791-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:08 AM

Quant Time: Sep 11 01:49:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	83881	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	331926	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	166381	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	249725	20.00	ng	0.00
76) Chrysene-d12	13.98	240	138557	20.00	ng	0.00
87) Perylene-d12	15.43	264	170430	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	479325	92.58	ng	0.00
7) Phenol-d6	6.47	99	655425	96.40	ng	0.00
23) Nitrobenzene-d5	7.39	82	411661	70.80	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	105858	95.17	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	693004	70.26	ng	0.00
79) Terphenyl-d14	12.93	244	467381	62.40	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.58	163	96395	8.392	ng	98
71) Phenanthrene	11.37	178	86672	6.235	ng	98
75) Fluoranthene	12.56	202	144199	10.555	ng	98
78) Pyrene	12.79	202	124593	10.116	ng	99
81) Benzo(a)anthracene	13.97	228	57470	6.554	ng	95
83) Chrysene	14.00	228	52969	5.863	ng	94
86) Indeno(1,2,3-cd)pyrene	16.87	276	33129	4.565	ng	96
88) Benzo(b)fluoranthene	15.01	252	70502m	6.842	ng	
89) Benzo(k)fluoranthene	15.03	252	25451m	2.709	ng	
90) Benzo(a)pyrene	15.37	252	52123	5.814	ng	98
92) Benzo(g,h,i)perylene	17.31	276	29306	3.662	ng	# 90

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

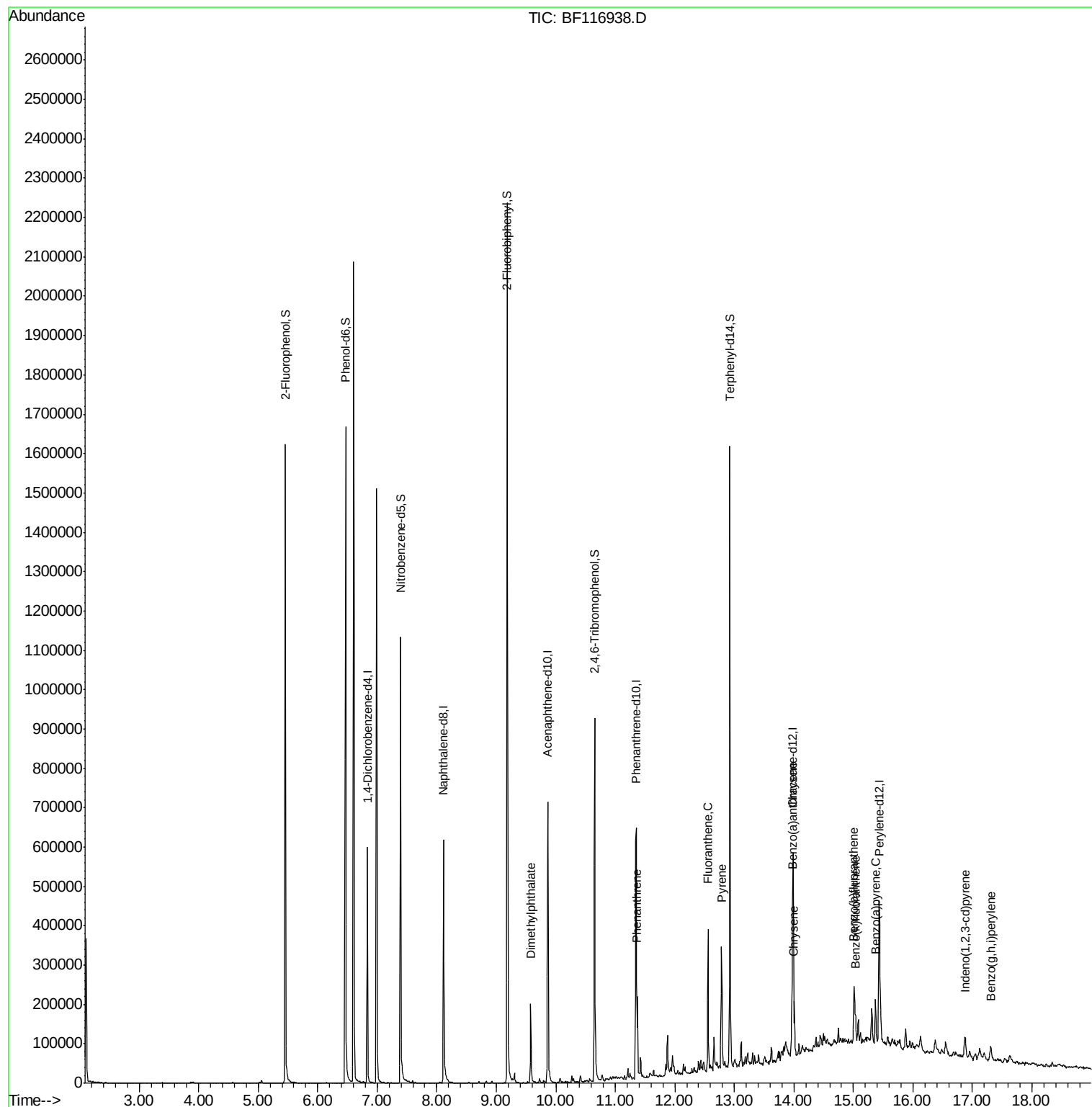
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
Data File : BF116938.D
Acq On : 10 Sep 2019 22:54
Operator : HP/JU
Sample : K4791-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

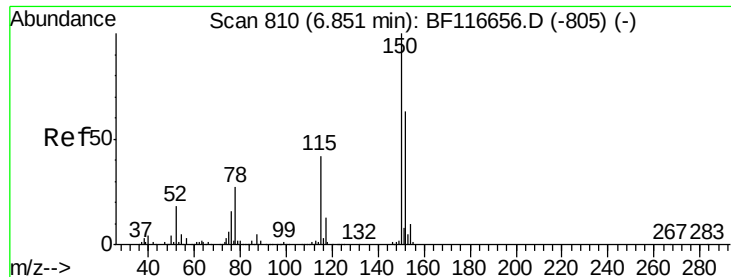
Instrument :
BNA_F
ClientSampleId :
RBR200030

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:08 AM

Quant Time: Sep 11 01:49:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration





#1

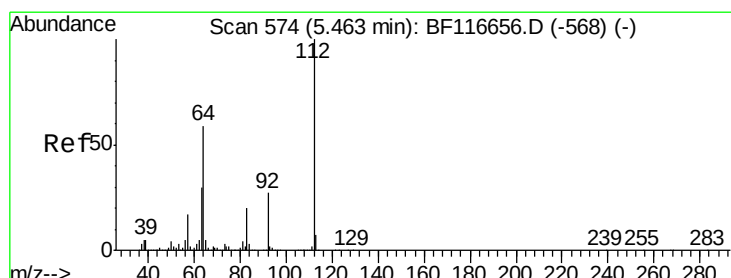
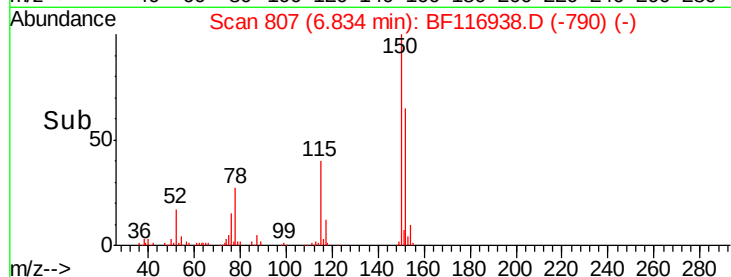
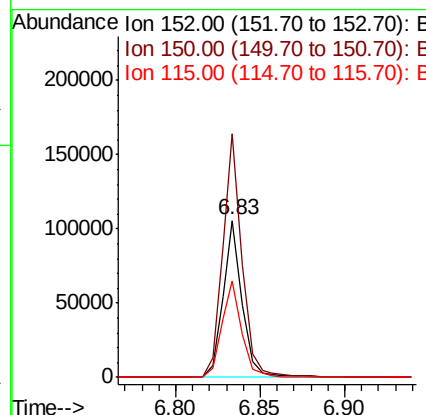
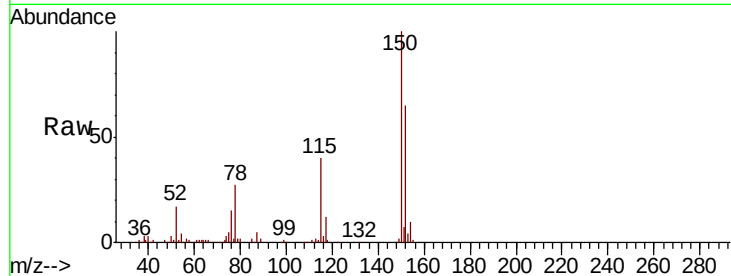
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.4	186.6
115	61.7	49.9	74.9

Manual Integrations
APPROVED

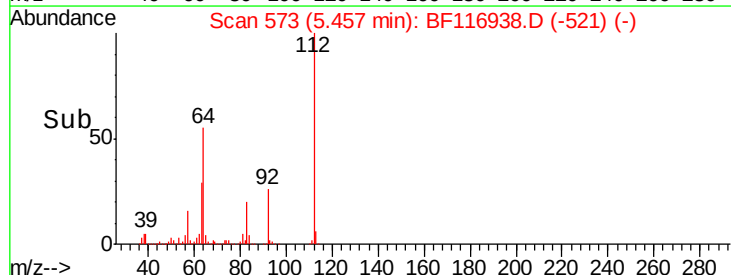
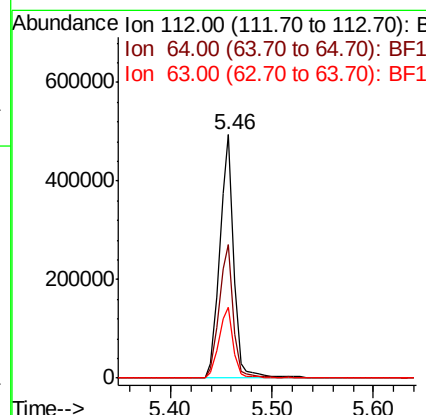
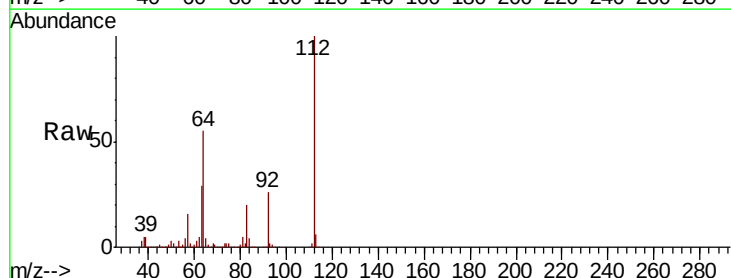
mohammad
9/16/2019 8:57:08 AM

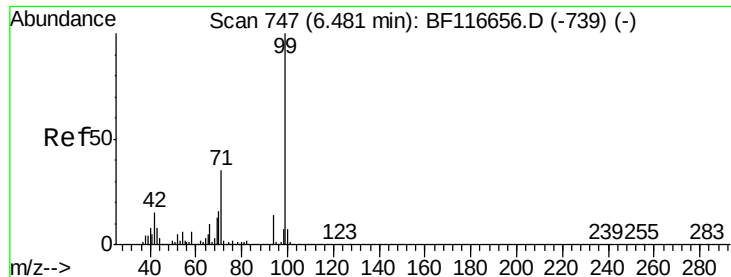


#5

2-Fluorophenol
Concen: 92.576 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.1	70.7
63	29.3	24.9	37.3





#7

Phenol-d6

Concen: 96.403 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Instrument :

BNA_F

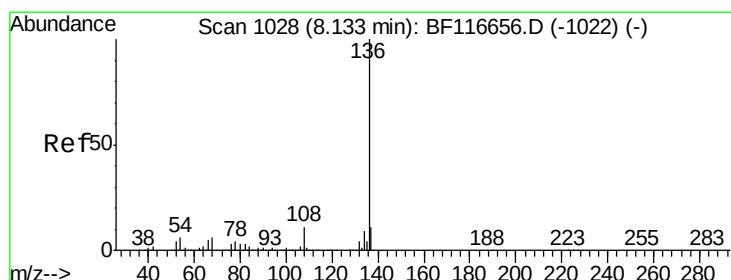
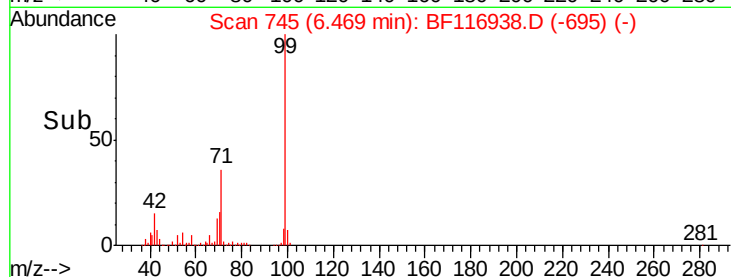
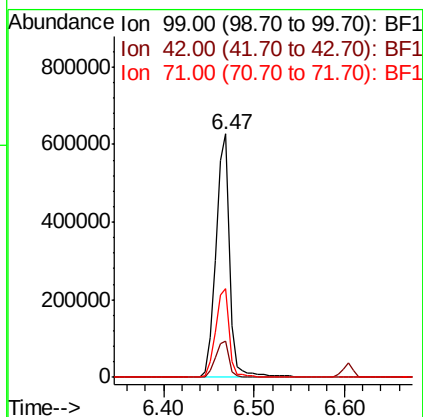
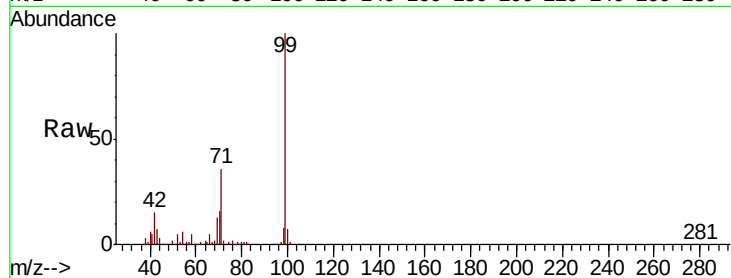
ClientSampleId :

RBR200030

Tot Ion:	99	Resp:	655425
Ion Ratio	Lower	Upper	
99	100		
42	14.6	13.7	20.5
71	36.2	30.8	46.2

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:08 AM



#21

Naphthalene-d8

Concen: 20.000 ng

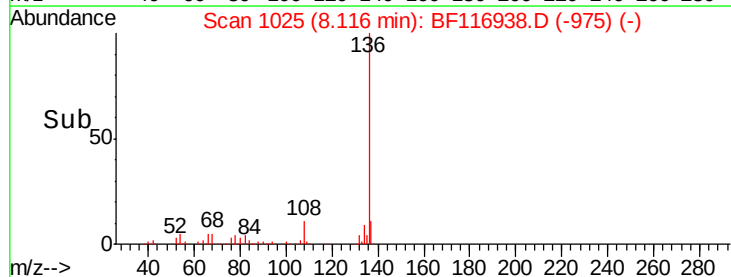
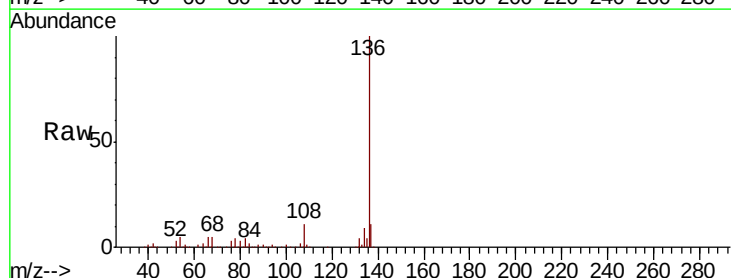
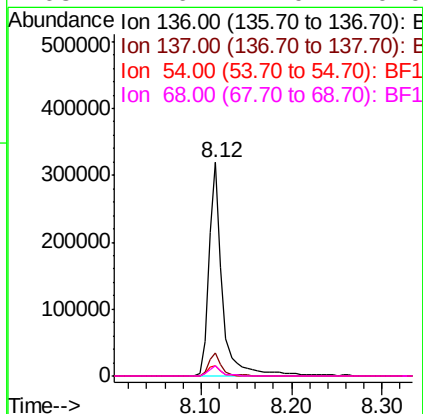
RT: 8.12 min Scan# 1025

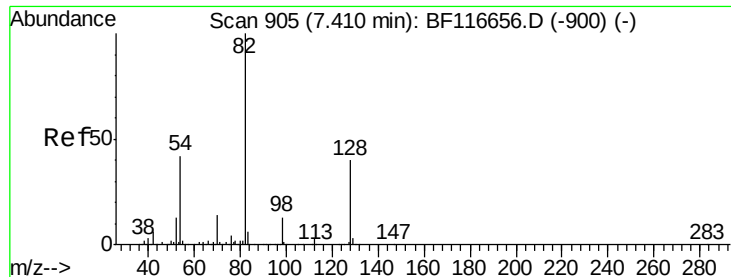
Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Tgt Ion:	136	Resp:	331926
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	5.0	4.8	7.2
68	4.6	4.0	6.0





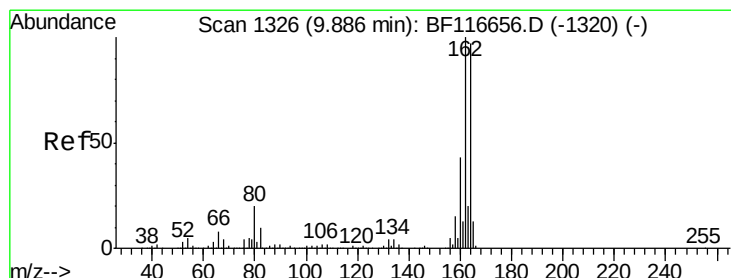
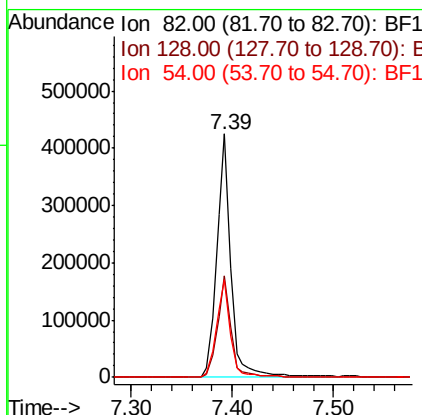
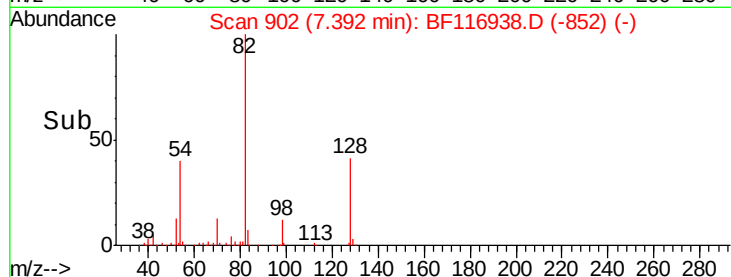
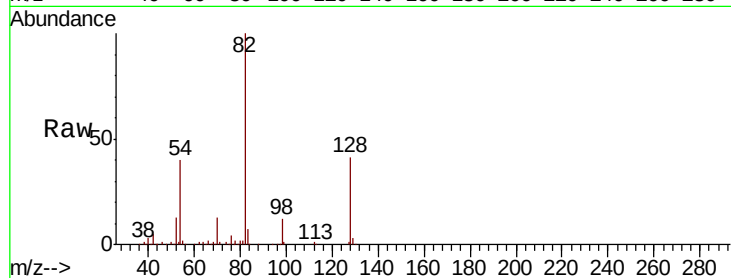
#23
Nitrobenzene-d5
Concen: 70.801 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.5	32.8	49.2	
54	40.2	36.9	55.3	

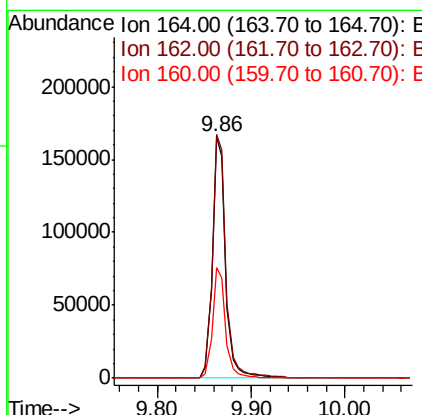
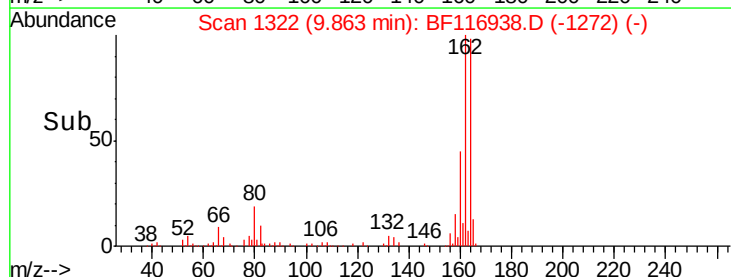
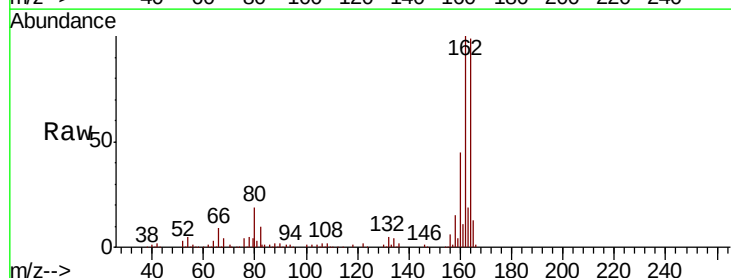
Manual Integrations
APPROVED

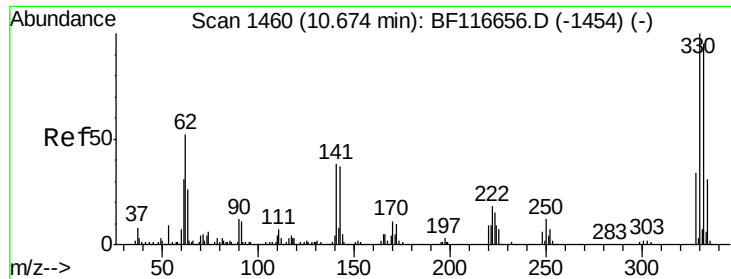
mohammad
9/16/2019 8:57:08 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	81.4	122.0	
160	45.7	35.4	53.2	





#42

2,4,6-Tribromophenol

Concen: 95.171 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Instrument :

BNA_F

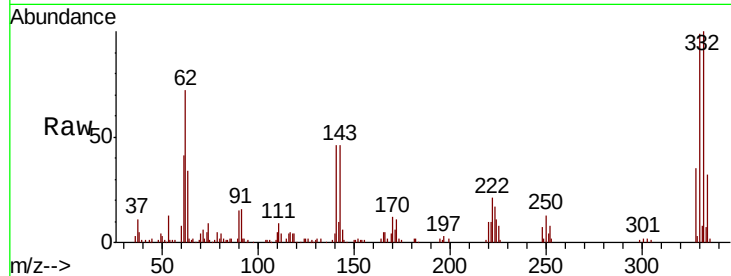
ClientSampled :

RBR200030

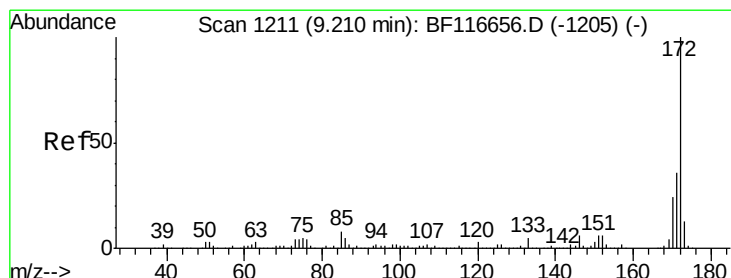
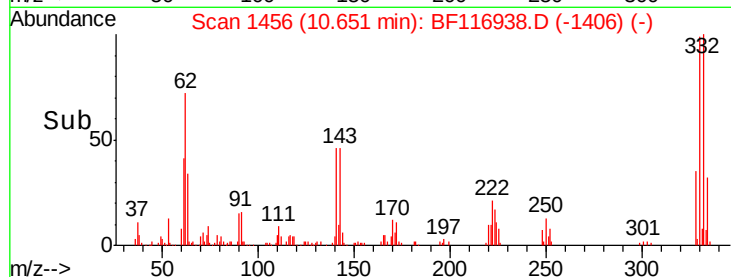
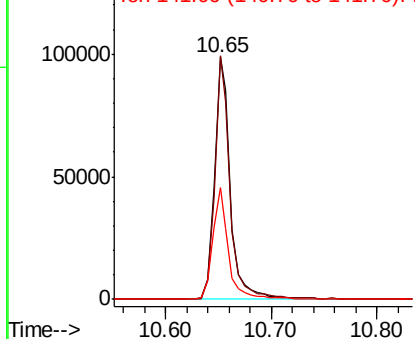
Tot Ion:	330	Resp:	105858
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.9	115.3
141	44.9	31.4	47.2

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:08 AM



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: 70.262 ng

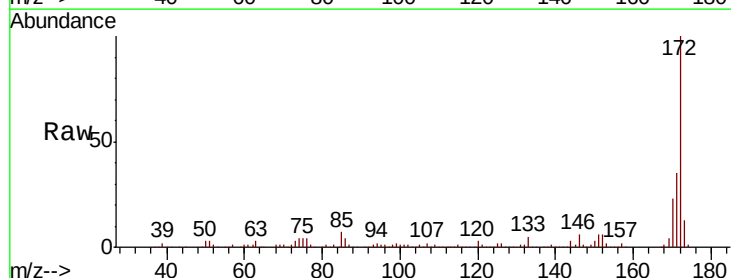
RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

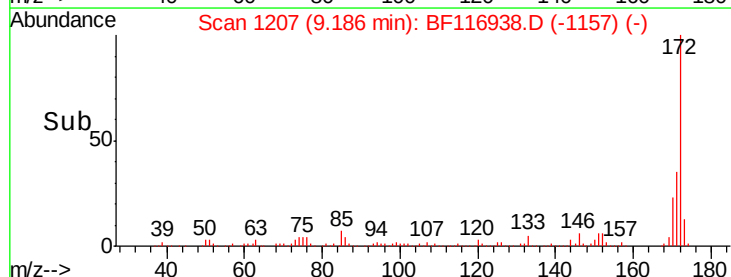
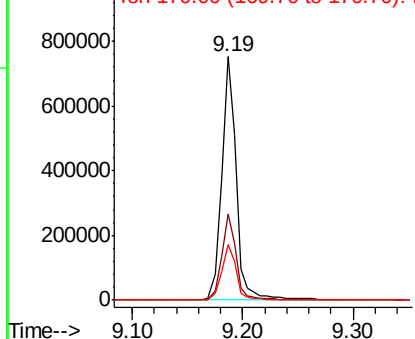
Lab File: BF116938.D

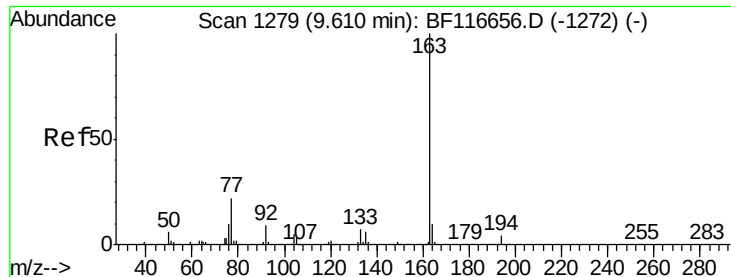
Acq: 10 Sep 2019 22:54

Tgt Ion:	172	Resp:	693004
Ion Ratio	Lower	Upper	
172	100		
171	35.4	27.8	41.6
170	23.0	18.9	28.3



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





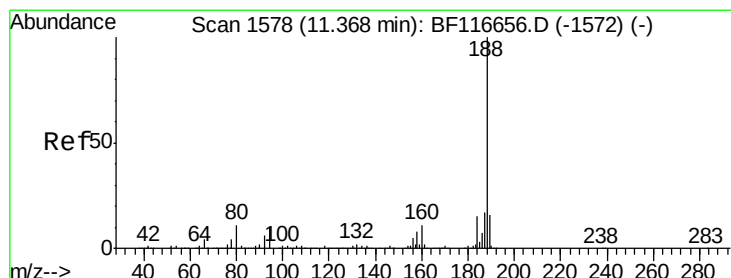
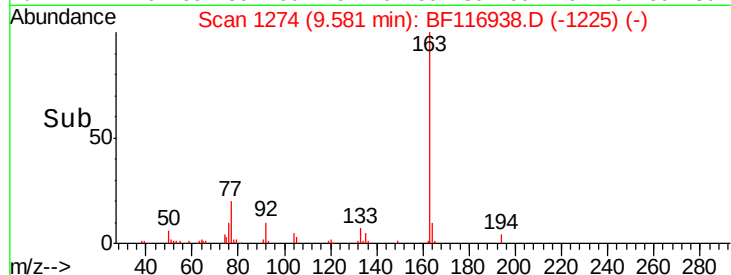
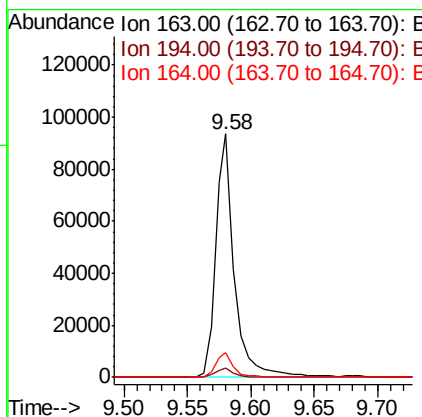
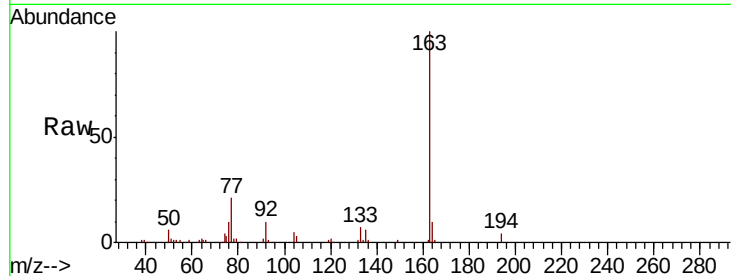
#50
Dimethylphthalate
Concen: 8.392 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tot Ion	Ratio	Resp	Lower	Upper
163	100	96395		
194	3.9		2.8	4.2
164	10.0		8.6	12.8

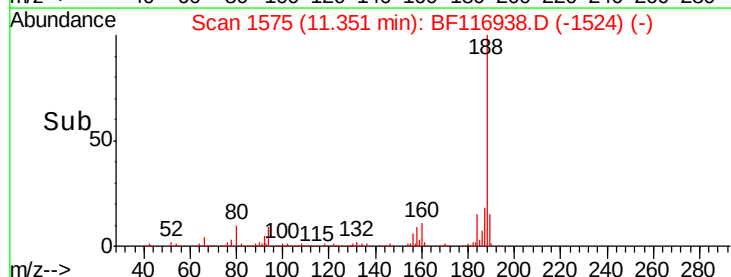
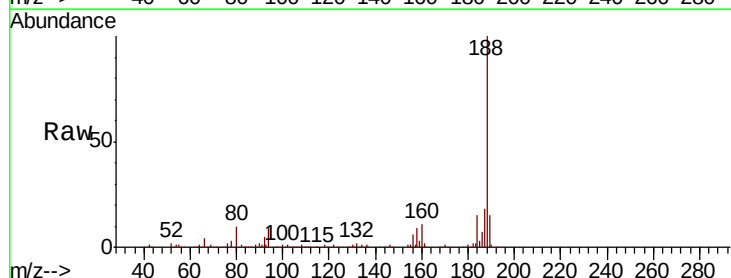
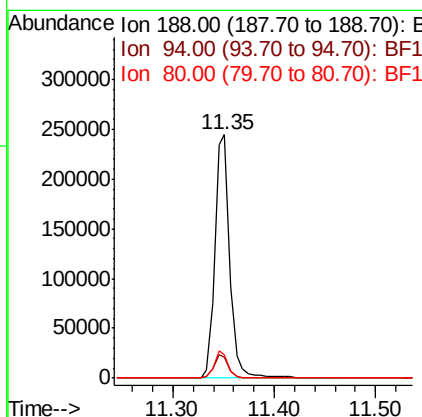
Manual Integrations
APPROVED

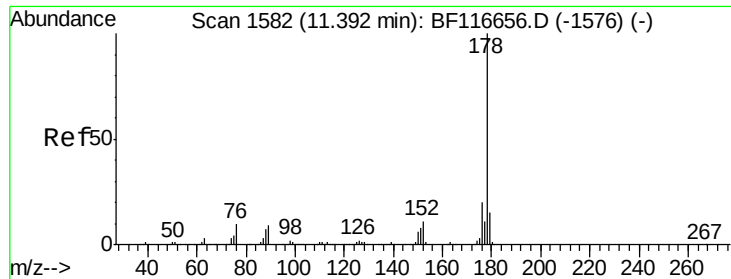
mohammad
9/16/2019 8:57:08 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	249725		
94	8.5		7.3	10.9
80	9.9		8.4	12.6





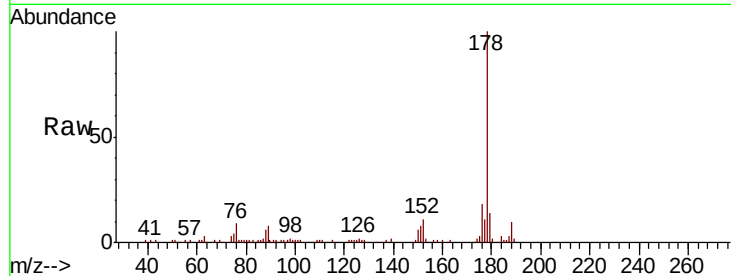
#71
Phenanthrene
Concen: 6.235 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	14.3	12.2	18.2

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:08 AM

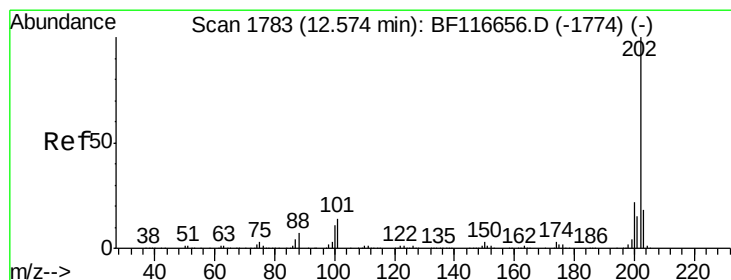
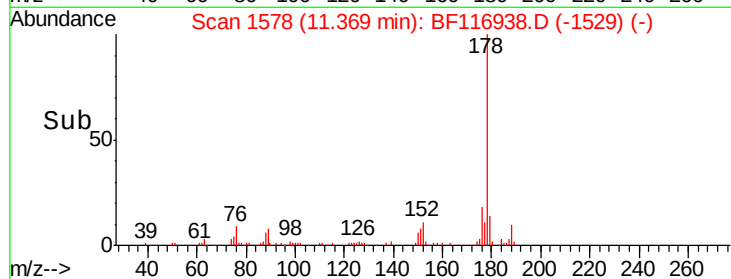
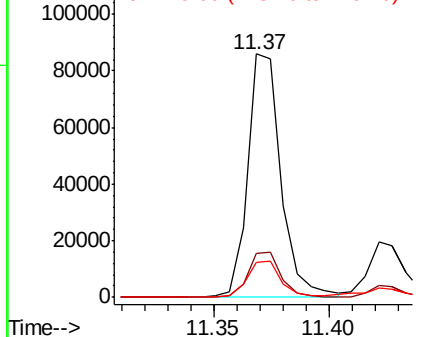


Abundance

Ion 178.00 (177.70 to 178.70): E

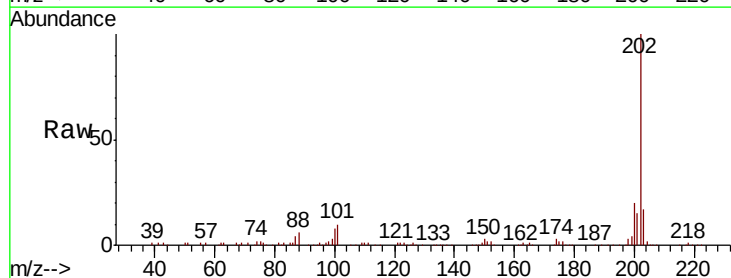
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 10.555 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.3
203	16.8	0.0	37.6

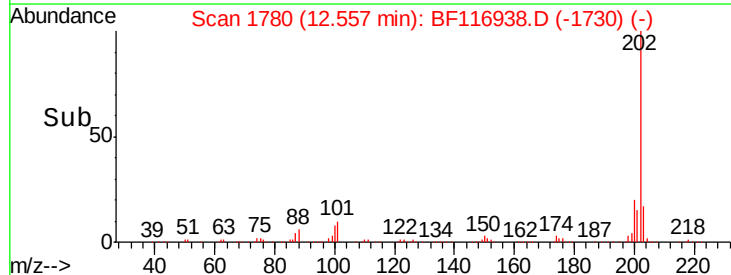
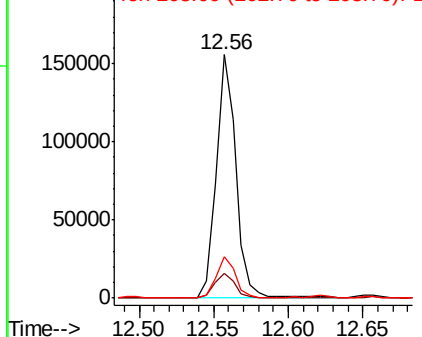


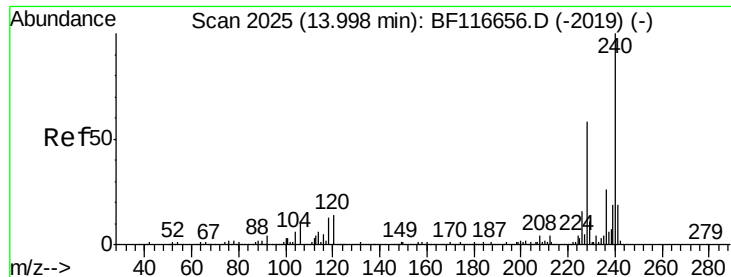
Abundance

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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Instrument :

BNA_F

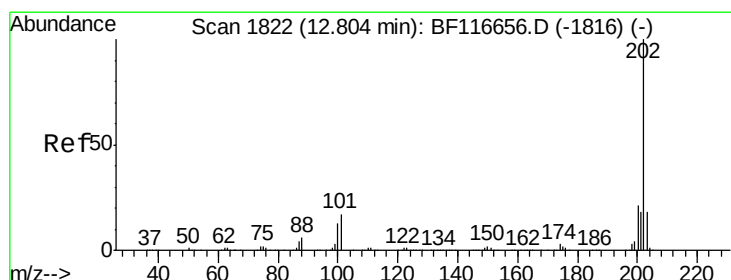
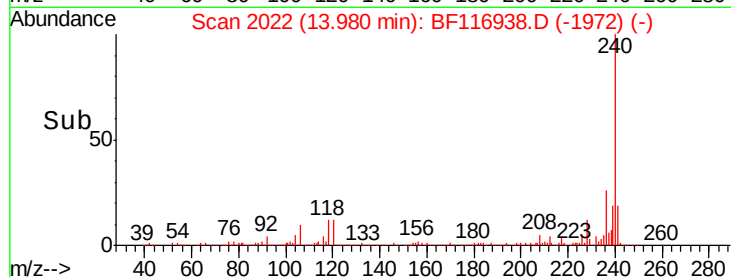
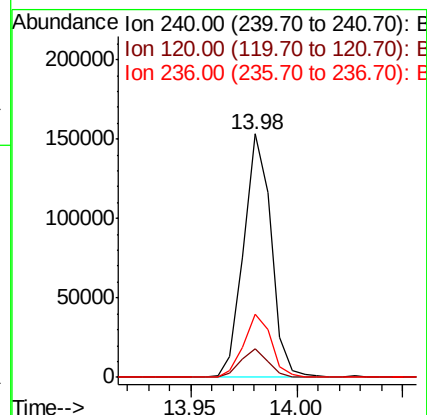
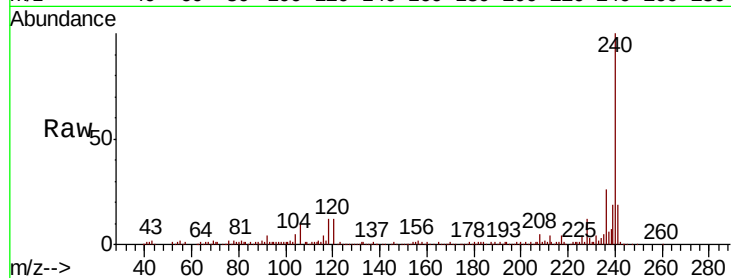
ClientSampleId :

RBR200030

Tot Ion:	240	Resp:	138557
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.1	13.7
236	26.0	21.1	31.7

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:08 AM



#78

Pyrene

Concen: 10.116 ng

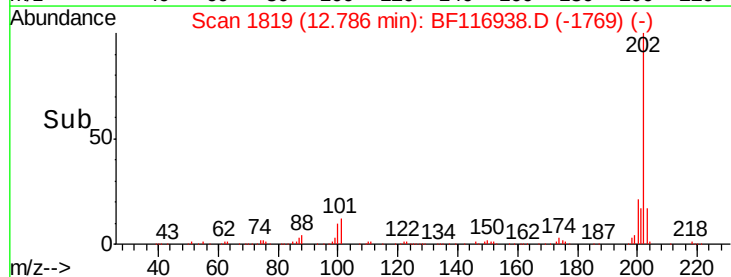
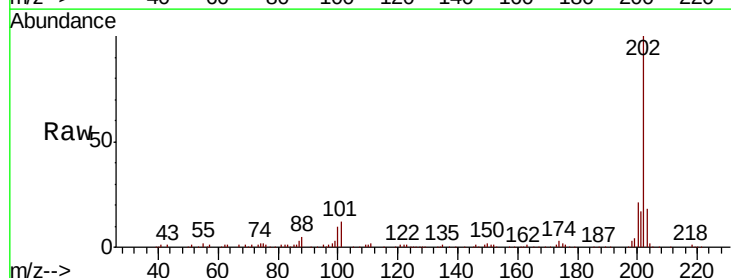
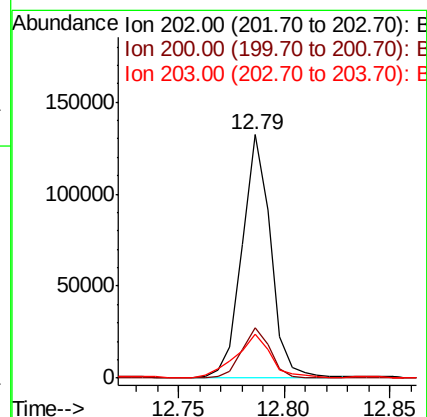
RT: 12.79 min Scan# 1819

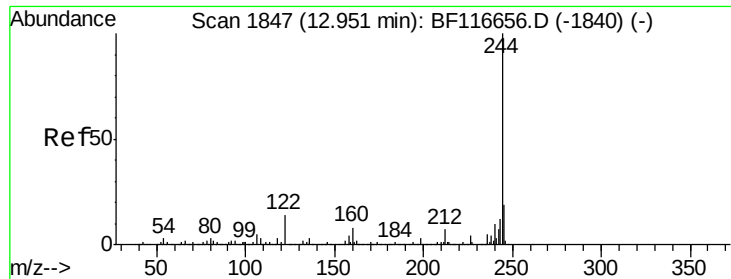
Delta R.T. -0.01 min

Lab File: BF116938.D

Acq: 10 Sep 2019 22:54

Tgt Ion:	202	Resp:	124593
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.5	24.7
203	17.9	13.7	20.5





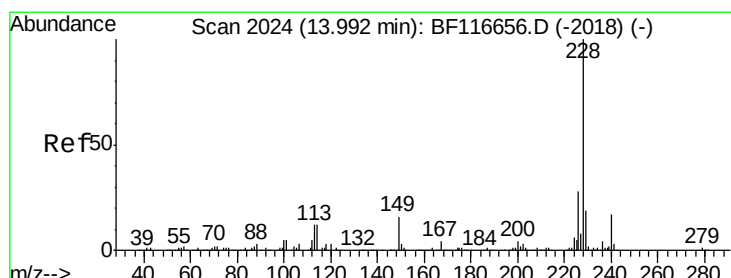
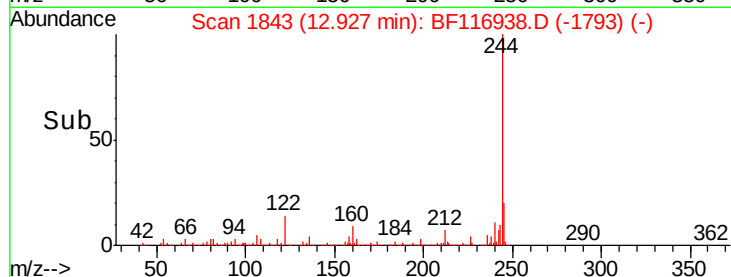
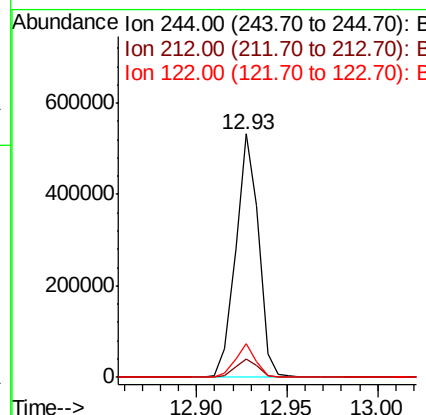
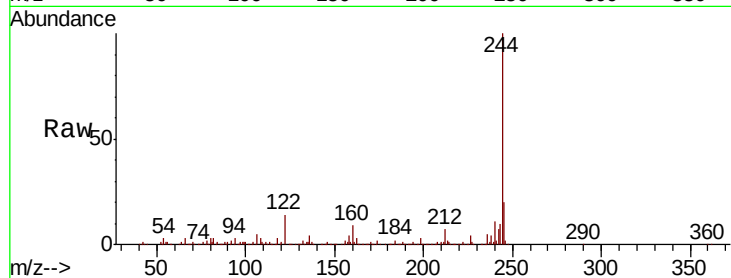
#79
 Terphenyl-d14
 Concen: 62.402 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF116938.D
 Acq: 10 Sep 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	13.6	10.2	15.4

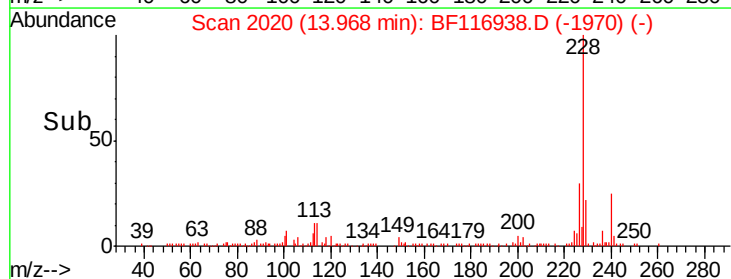
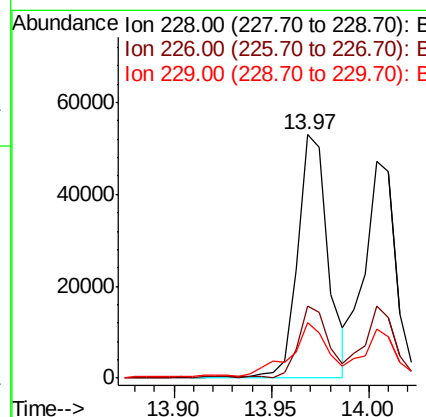
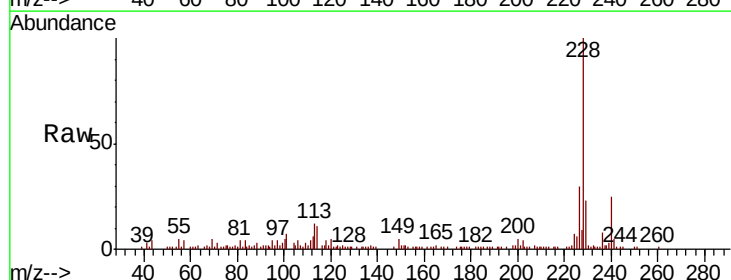
Manual Integrations
 APPROVED

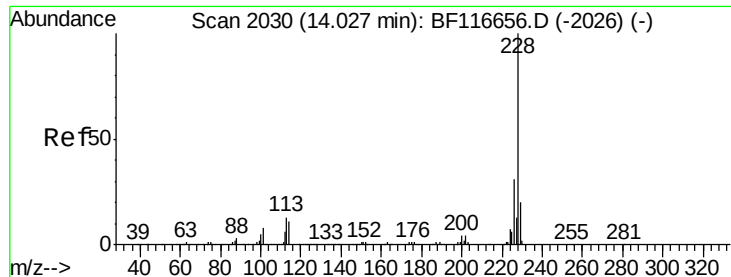
mohammad
 9/16/2019 8:57:08 AM



#81
 Benzo(a)anthracene
 Concen: 6.554 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116938.D
 Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.0	33.0
229	22.8	16.4	24.6





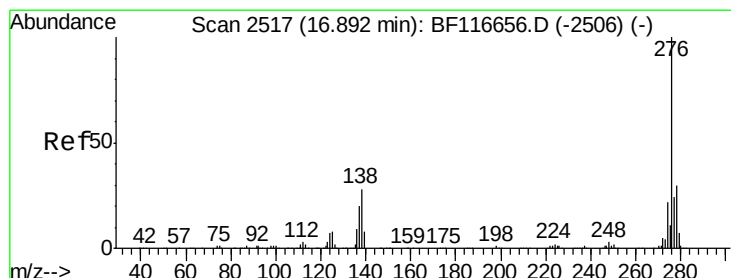
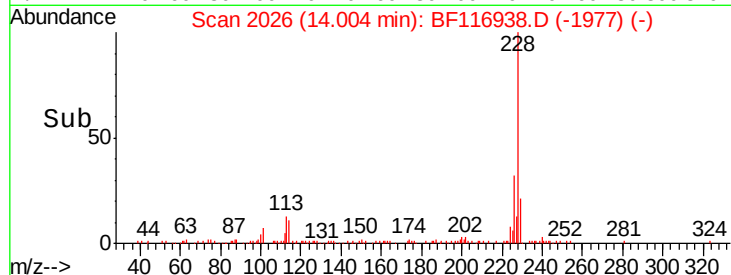
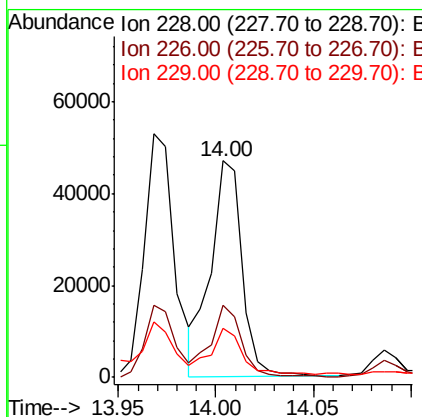
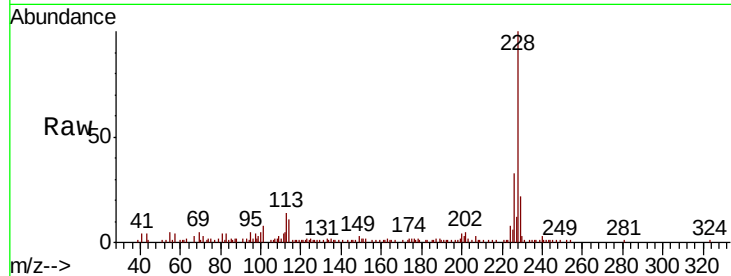
#83
Chrysene
Concen: 5.863 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.0	36.0
229	22.4	15.4	23.0

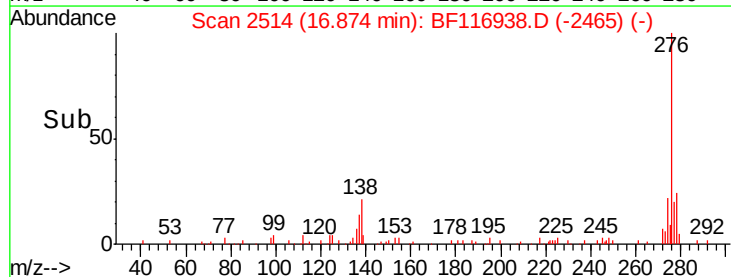
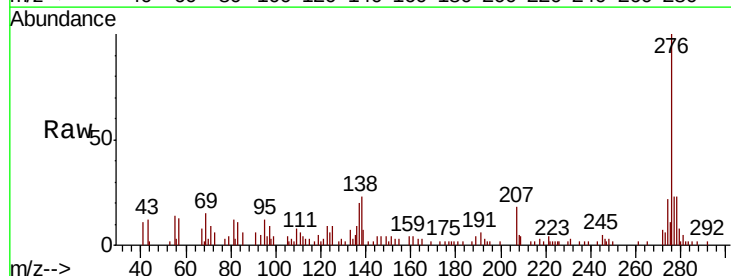
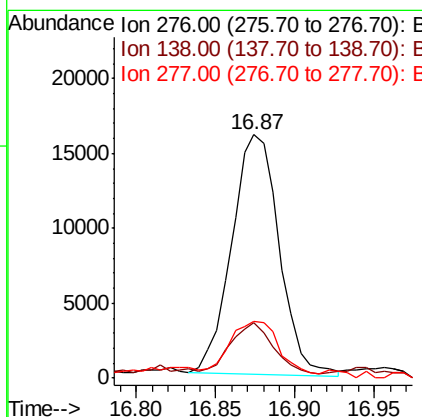
Manual Integrations
APPROVED

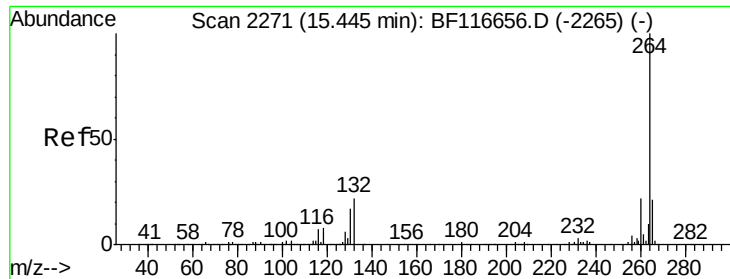
mohammad
9/16/2019 8:57:08 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.565 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.4	29.2
277	26.2	20.5	30.7





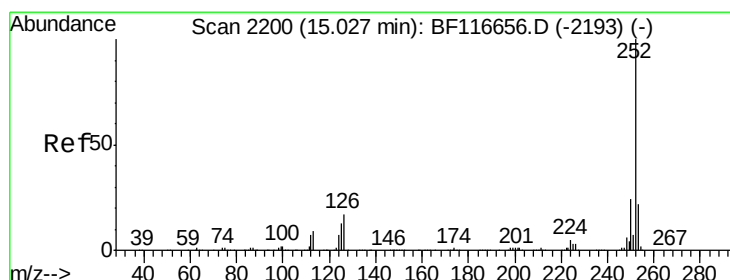
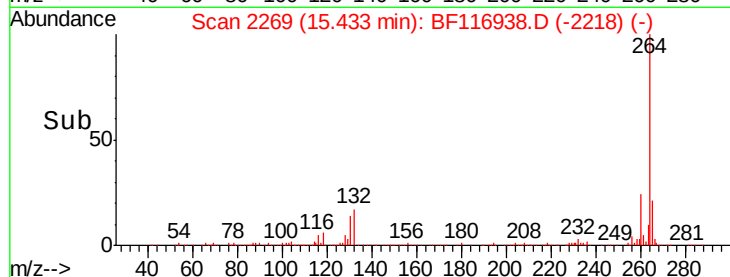
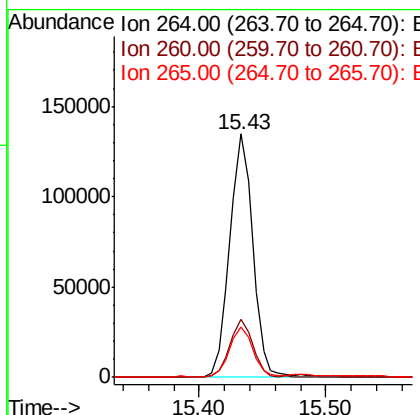
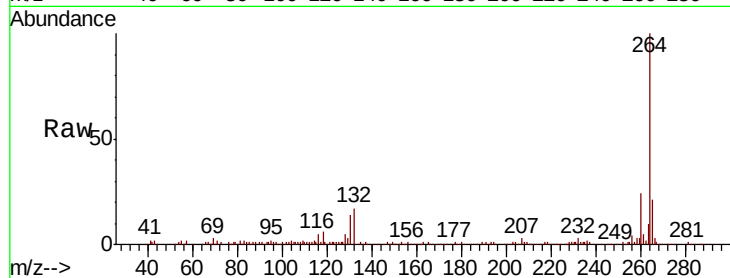
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	20.8	16.5	24.7

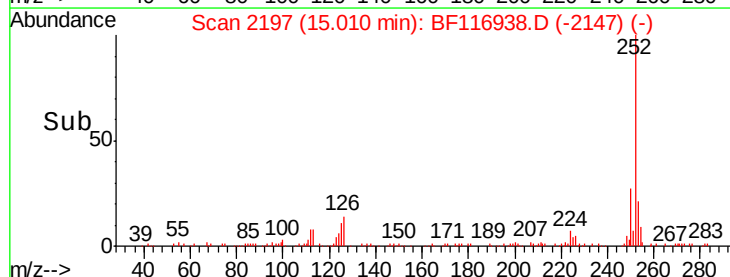
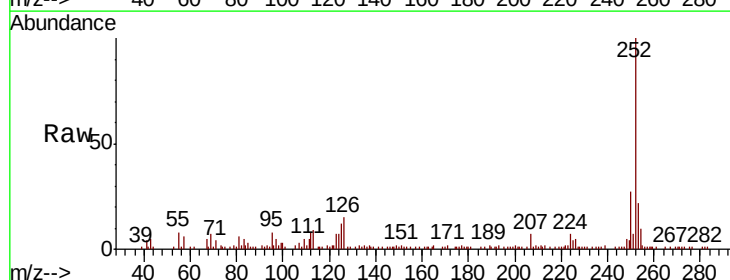
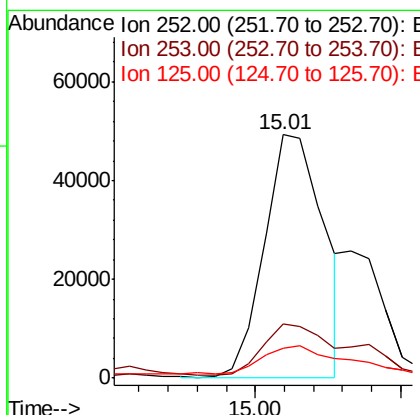
Manual Integrations
APPROVED

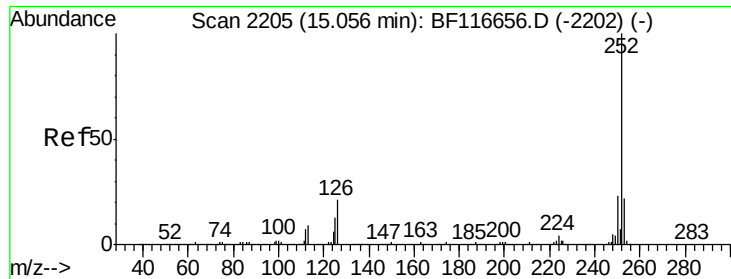
mohammad
9/16/2019 8:57:08 AM



#88
Benzo(b)fluoranthene
Concen: 6.842 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	12.2	8.2	12.2





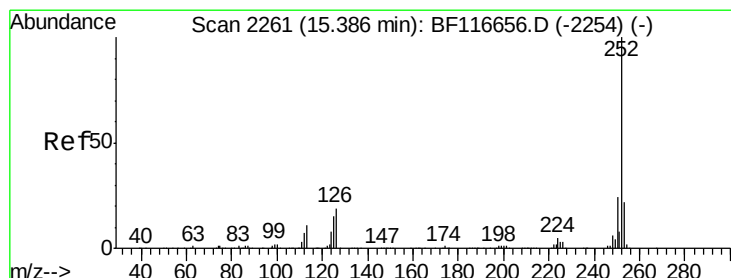
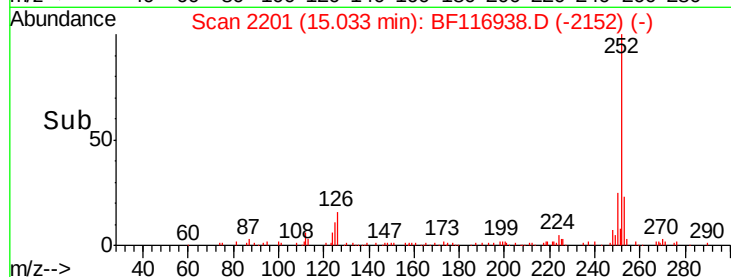
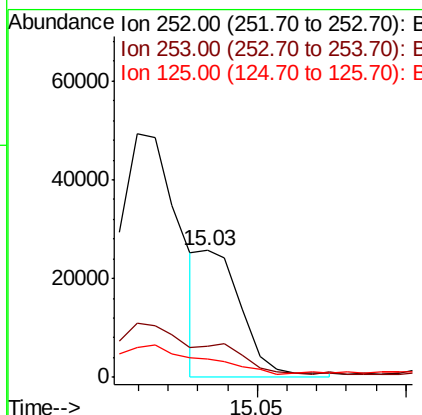
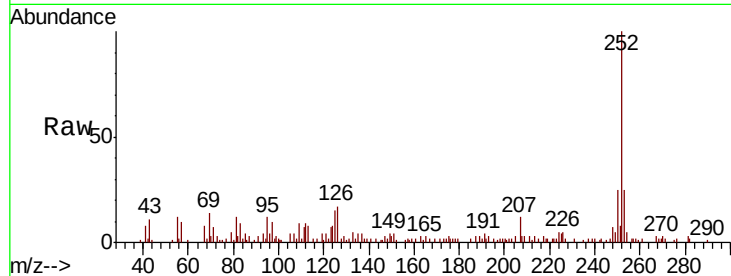
#89
Benzo(k)fluoranthene
Concen: 2.709 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Instrument :
BNA_F
ClientSampleId :
RBR200030

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	14.9	8.6	13.0

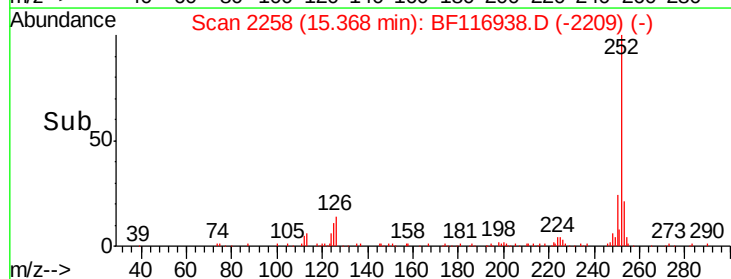
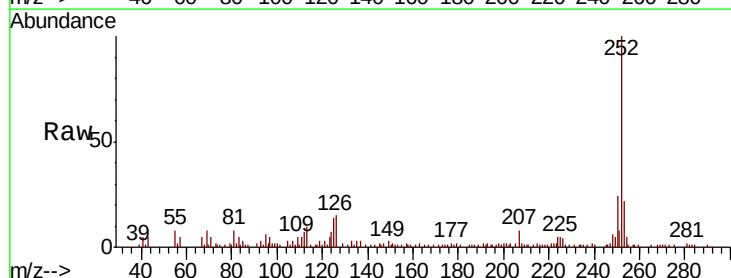
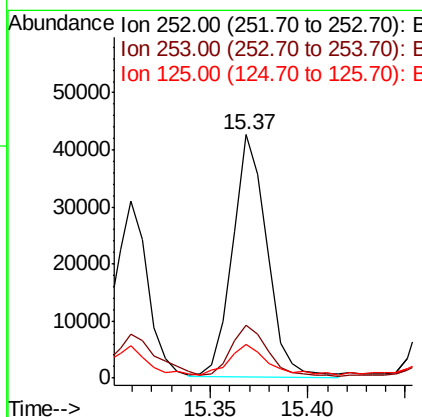
Manual Integrations
APPROVED

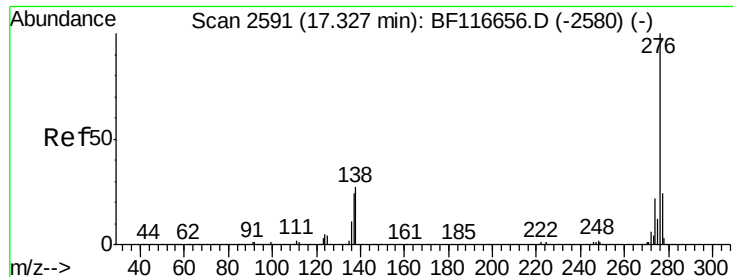
mohammad
9/16/2019 8:57:08 AM



#90
Benzo(a)pyrene
Concen: 5.814 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF116938.D
Acq: 10 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	13.9	9.8	14.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.662 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.01 min
 Lab File: BF116938.D
 Acq: 10 Sep 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Tot Ion:	276	Resp:	29306
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.5	27.7
138	28.5	16.2	24.2#

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:08 AM

