

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119327.D
 Acq On : 10 Mar 2020 20:22
 Operator : CG/JU
 Sample : L1852-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Manual Integrations
 APPROVED

mohammad
 3/11/2020 4:58:17 PM

Quant Time: Mar 11 11:01:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121721	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	443849	20.00	ng	-0.03
39) Acenaphthene-d10	9.76	164	213207	20.00	ng	-0.03
64) Phenanthrene-d10	11.25	188	321126	20.00	ng	-0.02
76) Chrysene-d12	13.89	240	266661	20.00	ng	-0.02
87) Perylene-d12	15.32	264	220987	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	209297	28.74	ng	0.00
7) Phenol-d6	6.39	99	272078	30.72	ng	-0.02
23) Nitrobenzene-d5	7.29	82	171056	20.35	ng	-0.03
42) 2,4,6-Tribromophenol	10.56	330	58372	20.93	ng	-0.02
45) 2-Fluorobiphenyl	9.08	172	346471	23.94	ng	-0.03
79) Terphenyl-d14	12.82	244	314025	20.27	ng	-0.03
Target Compounds						
50) Dimethylphthalate	9.48	163	53750	3.297	ng	Qvalue 100
71) Phenanthrene	11.27	178	105711	6.036	ng	98
75) Fluoranthene	12.46	202	170616	9.178	ng	99
78) Pyrene	12.69	202	157457	7.353	ng	98
81) Benzo(a)anthracene	13.87	228	93159	5.127	ng	98
83) Chrysene	13.92	228	80802	4.463	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	35477m	2.024	ng	
88) Benzo(b)fluoranthene	14.92	252	100544m	6.903	ng	
89) Benzo(k)fluoranthene	14.94	252	27450m	2.034	ng	
90) Benzo(a)pyrene	15.26	252	62216	4.733	ng	98
92) Benzo(g,h,i)perylene	17.17	276	35580	3.113	ng	96

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

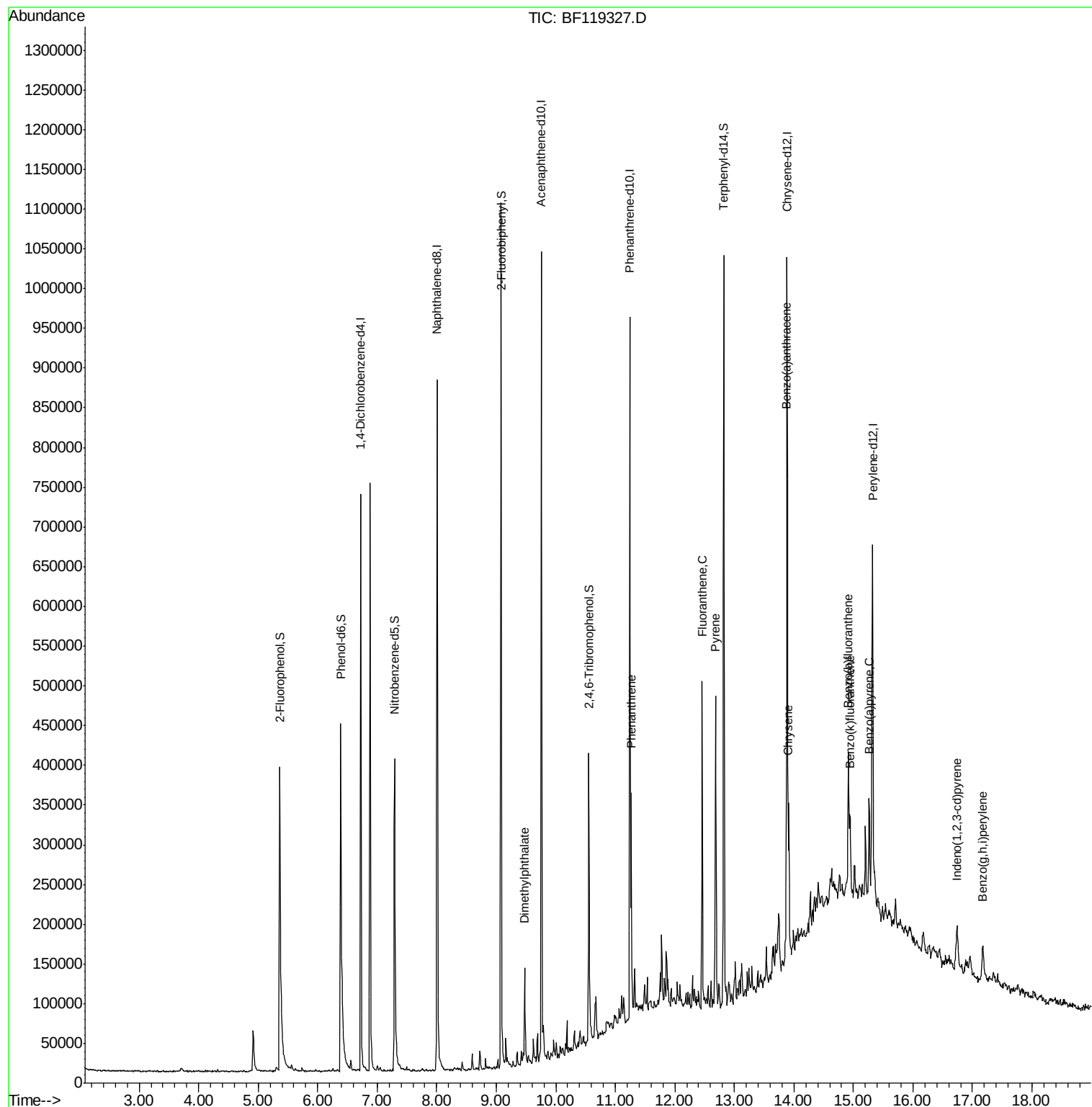
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119327.D
Acq On : 10 Mar 2020 20:22
Operator : CG/JU
Sample : L1852-07 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

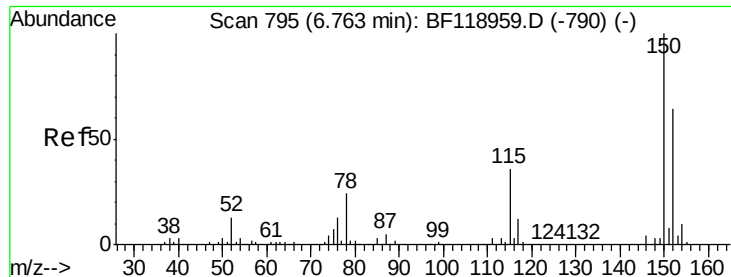
Instrument :
BNA_F
ClientSampleId :
TP-2-S

Manual Integrations
APPROVED

mohammad
3/11/2020 4:58:17 PM

Quant Time: Mar 11 11:01:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
Response via : Initial Calibration





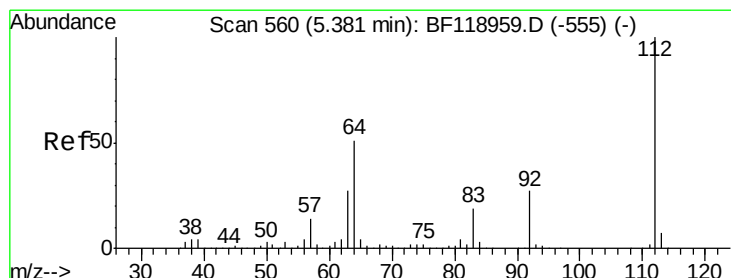
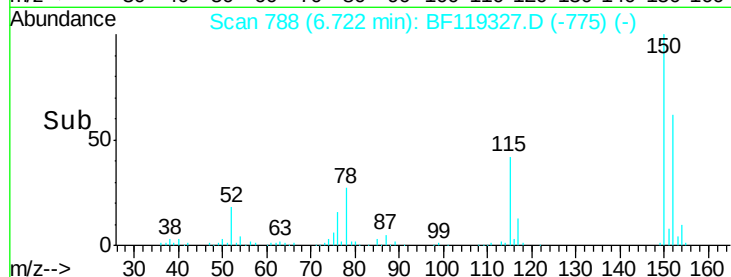
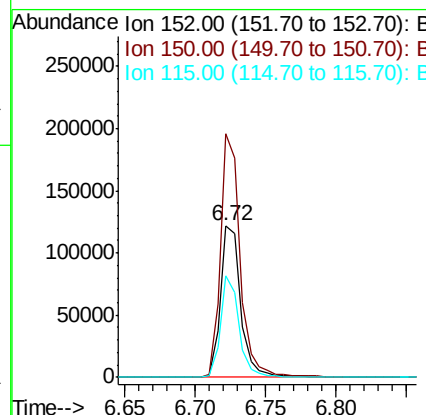
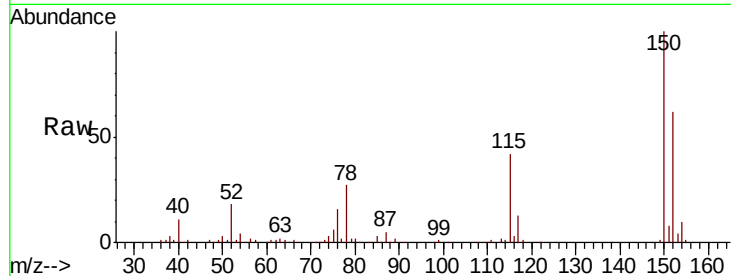
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.02 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampled :
 TP-2-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	123.0	184.6
115	66.5	49.5	74.3

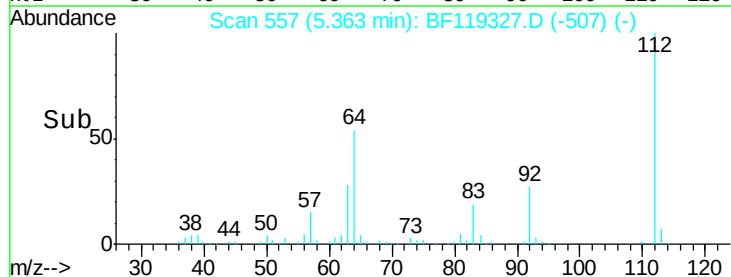
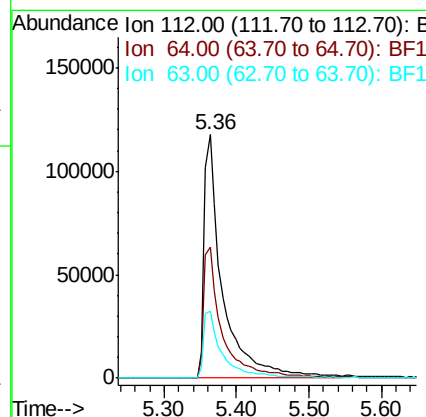
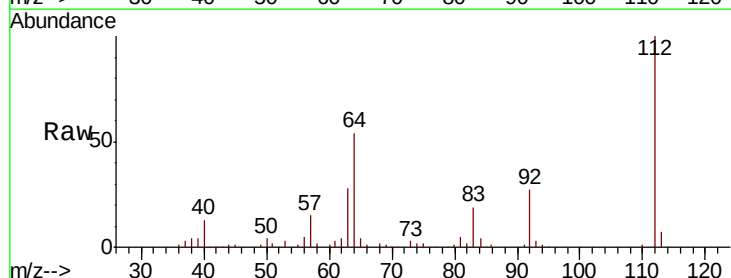
Manual Integrations
 APPROVED

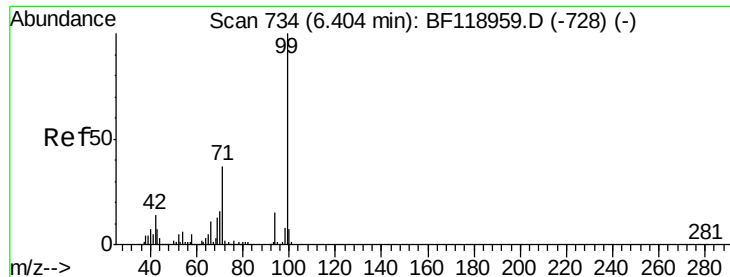
mohammad
 3/11/2020 4:58:17 PM



#5
 2-Fluorophenol
 Concen: 28.736 ng
 RT: 5.36 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	45.0	67.4
63	27.6	24.2	36.4





#7

Phenol-d6

Concen: 30.715 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

TP-2-S

Tot Ion: 99 Resp: 272078

Ion Ratio Lower Upper

99 100

42 13.4 12.6 18.8

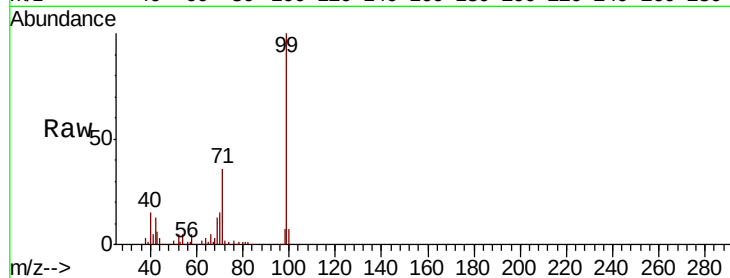
71 36.2 31.0 46.4

Manual Integrations

APPROVED

mohammad

3/11/2020 4:58:17 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.39

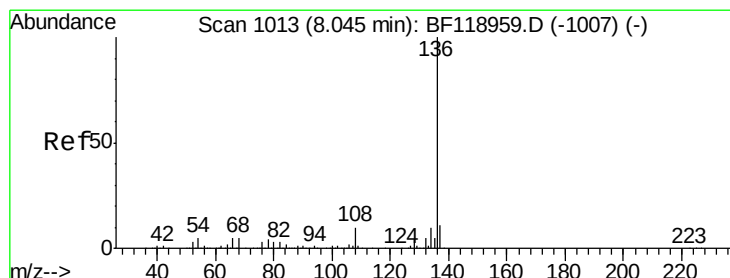
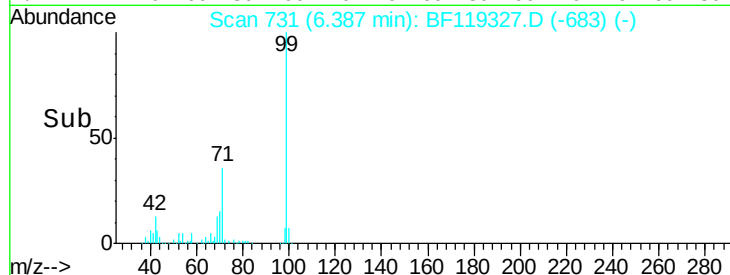
150000

100000

50000

0

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF119327.D

Acq: 10 Mar 2020 20:22

Tgt Ion: 136 Resp: 443849

Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 5.4 3.8 5.6

68 5.4 3.9 5.9

Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

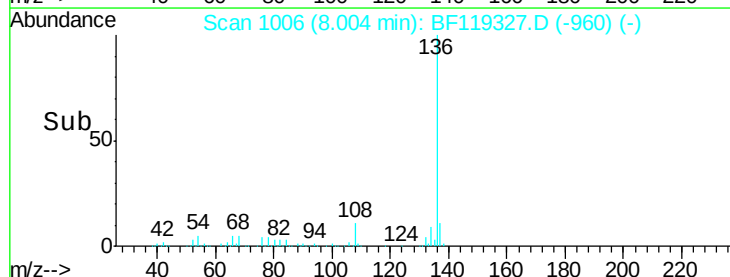
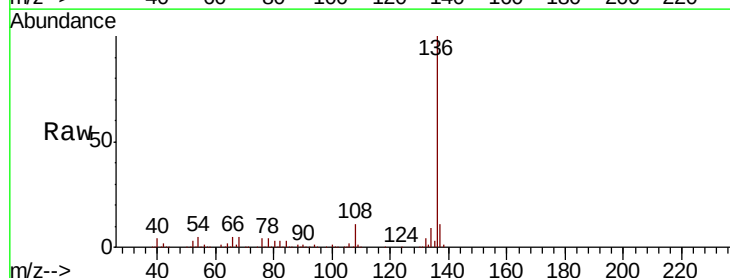
600000

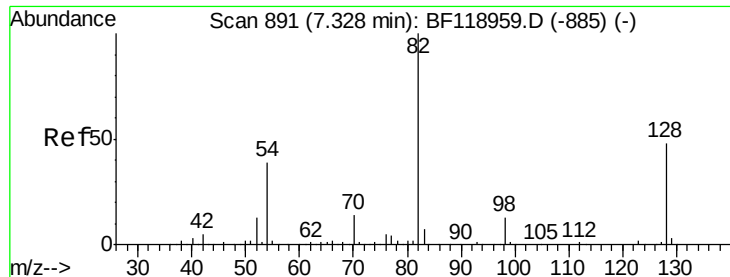
400000

200000

0

Time-->





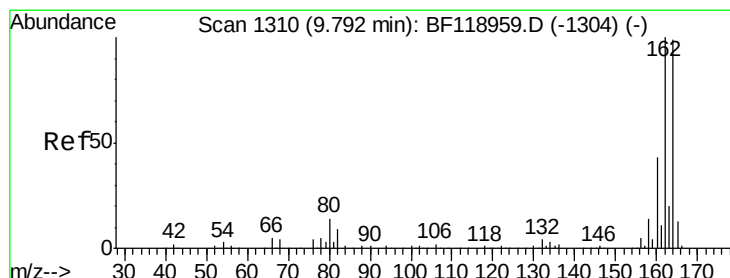
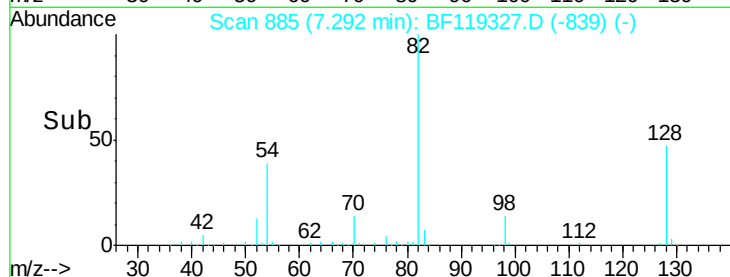
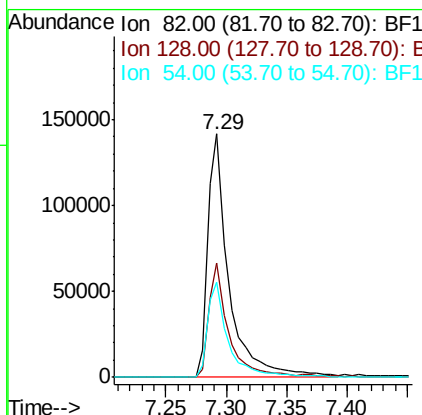
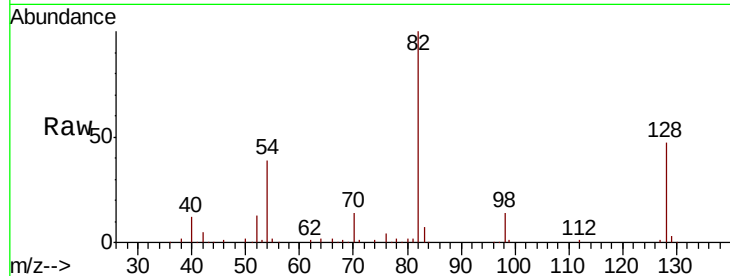
#23
 Nitrobenzene-d5
 Concen: 20.349 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampled :
 TP-2-S

Tot Ion	82	Resp	171056
Ion Ratio	100	Lower	Upper
82	100		
128	46.9	37.9	56.9
54	39.0	33.4	50.2

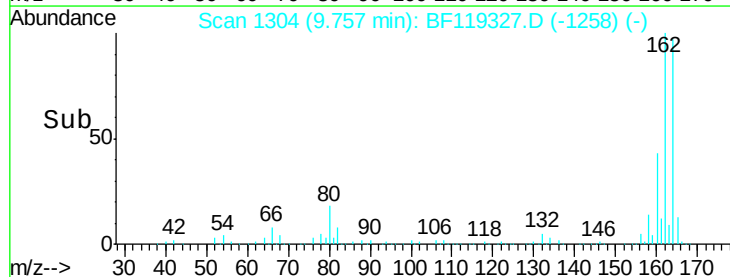
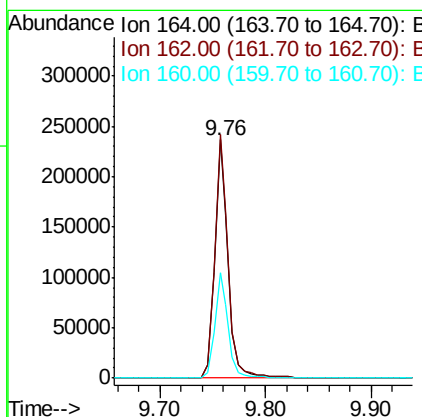
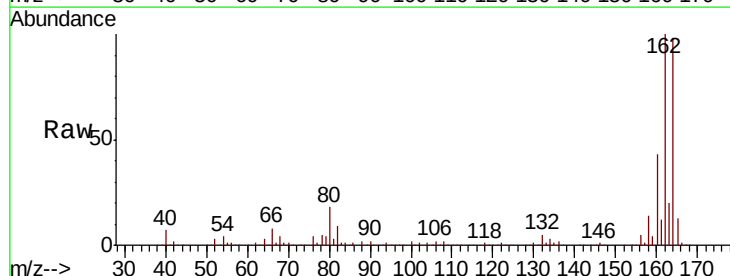
Manual Integrations
 APPROVED

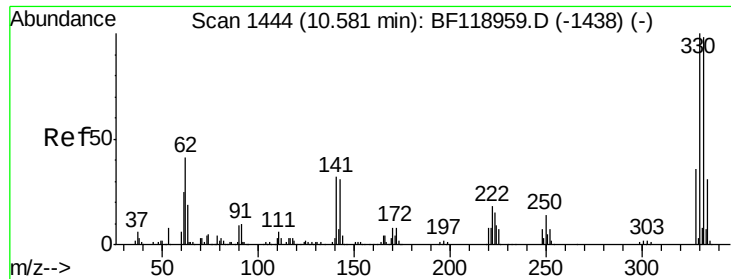
mohammad
 3/11/2020 4:58:17 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Tgt Ion	164	Resp	213207
Ion Ratio	100	Lower	Upper
164	100		
162	102.1	81.8	122.8
160	44.1	36.0	54.0





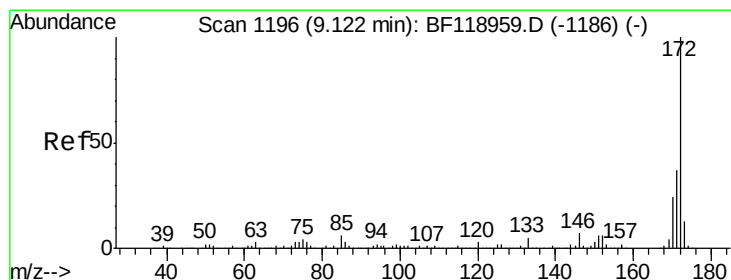
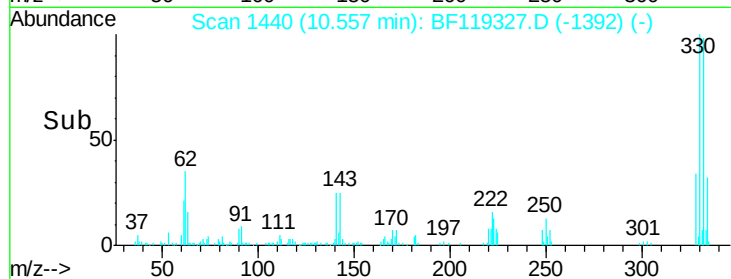
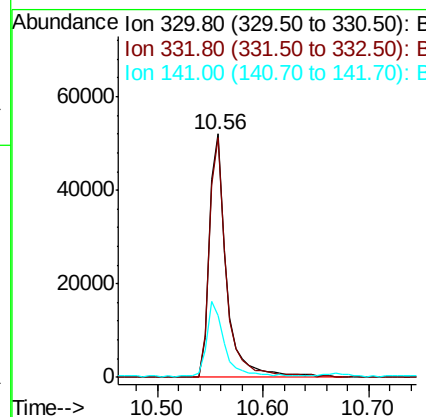
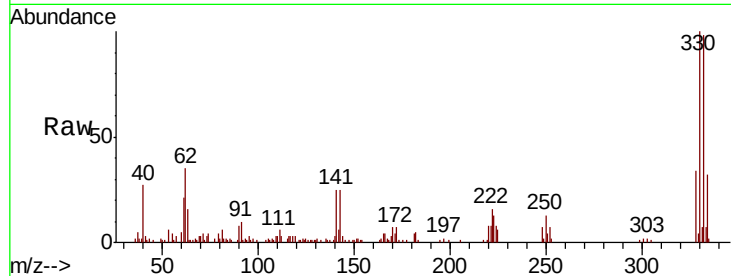
#42
 2,4,6-Tribromophenol
 Concen: 20.929 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampled :
 TP-2-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.0	114.0
141	34.5	22.9	34.3#

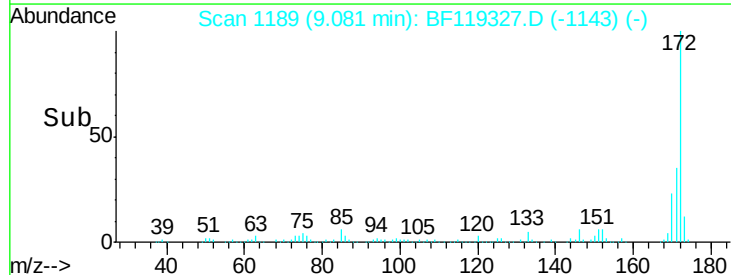
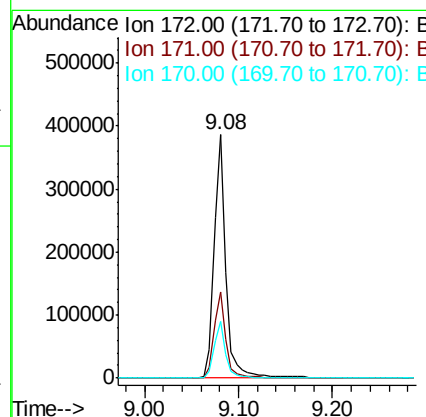
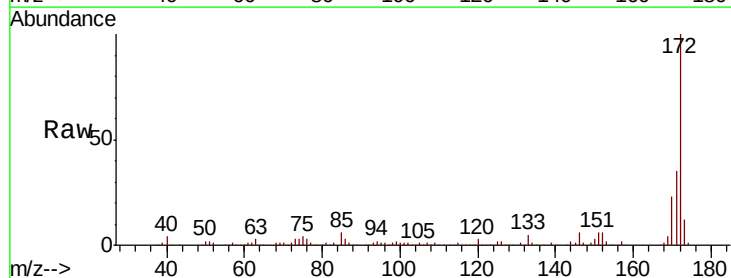
Manual Integrations
 APPROVED

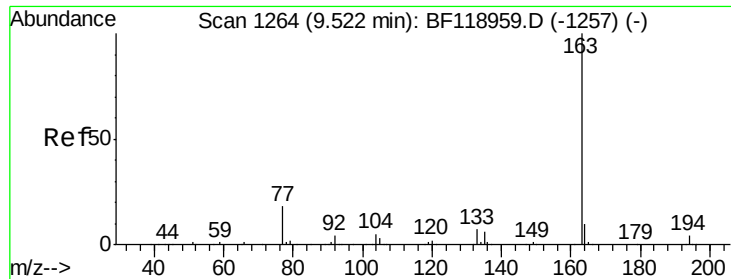
mohammad
 3/11/2020 4:58:17 PM



#45
 2-Fluorobiphenyl
 Concen: 23.940 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.6	45.8
170	23.1	20.2	30.2





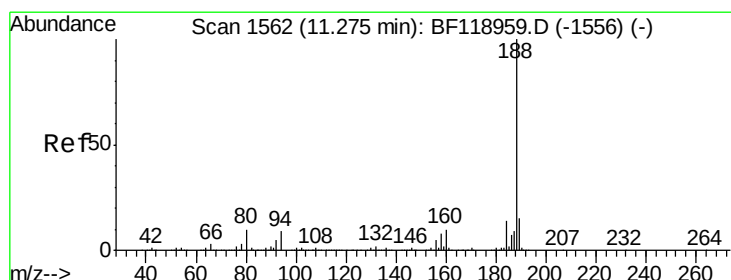
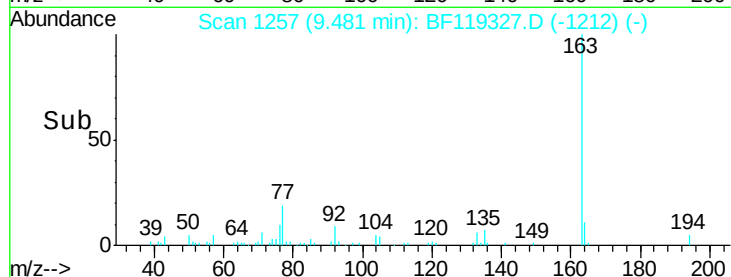
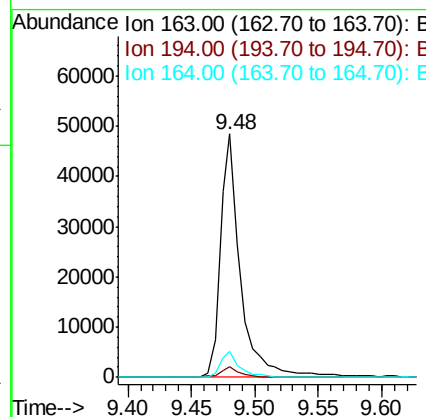
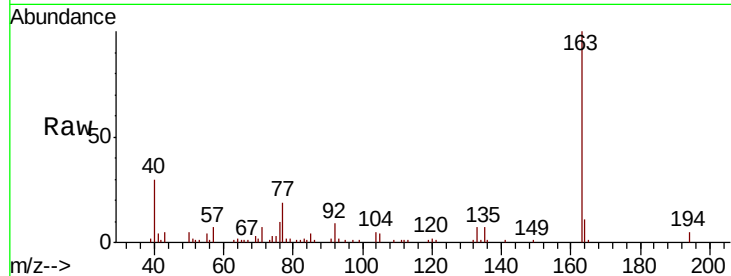
#50
Dimethylphthalate
Concen: 3.297 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.6	8.4	12.6

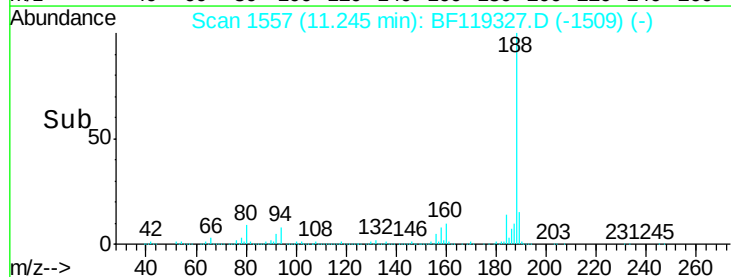
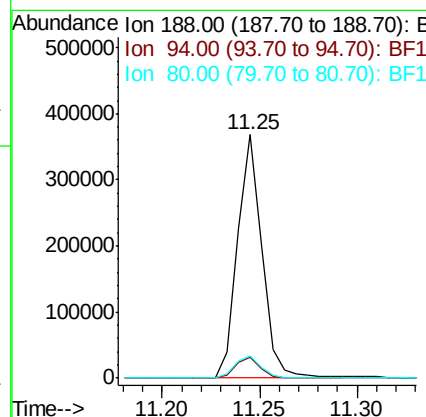
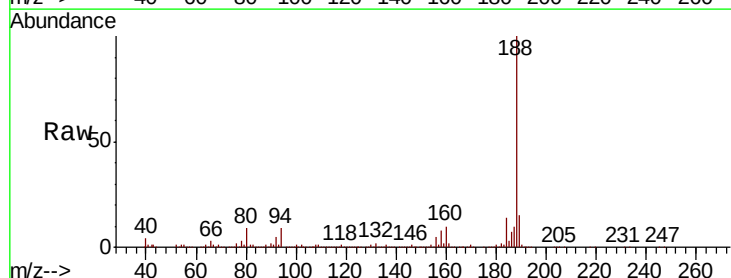
Manual Integrations
APPROVED

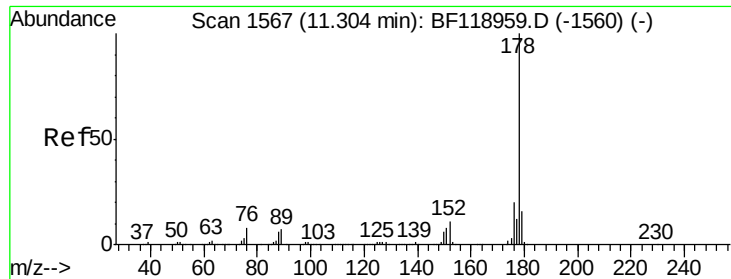
mohammad
3/11/2020 4:58:17 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.1	10.7
80	9.2	7.8	11.8





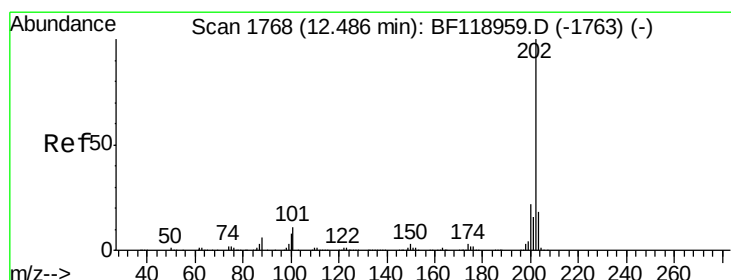
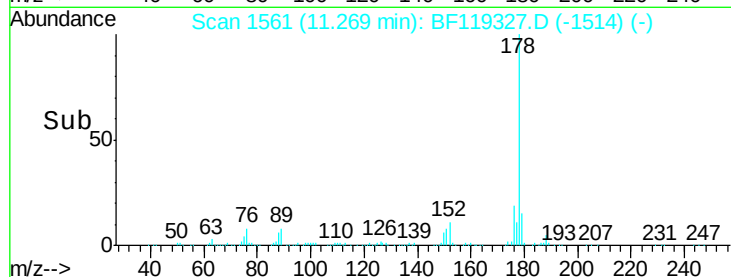
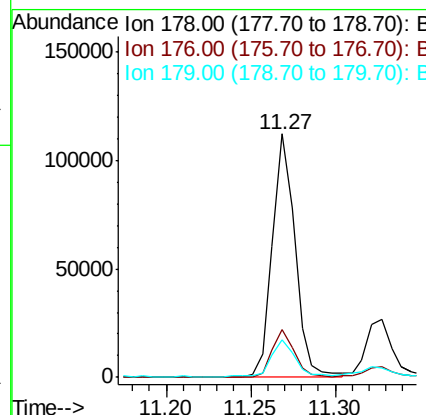
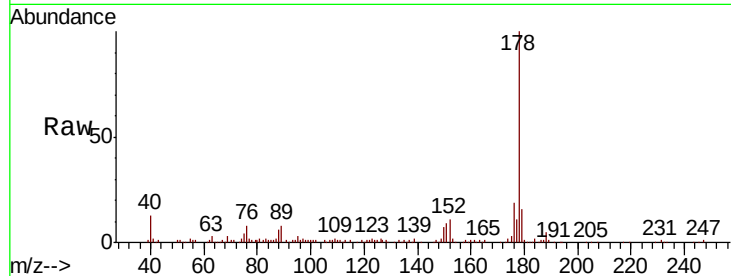
#71
Phenanthrene
Concen: 6.036 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.5	24.7
179	15.5	13.0	19.6

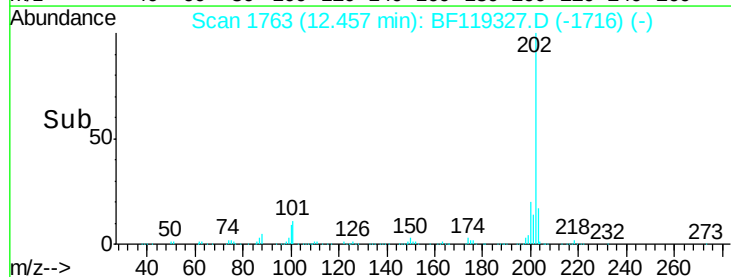
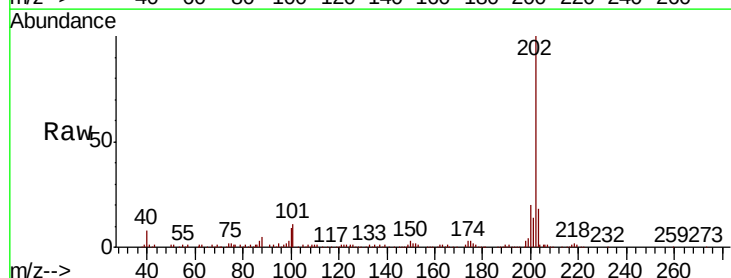
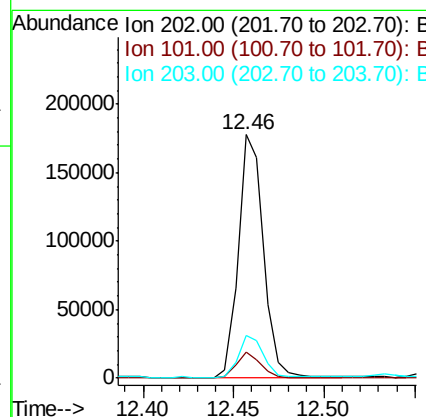
Manual Integrations
APPROVED

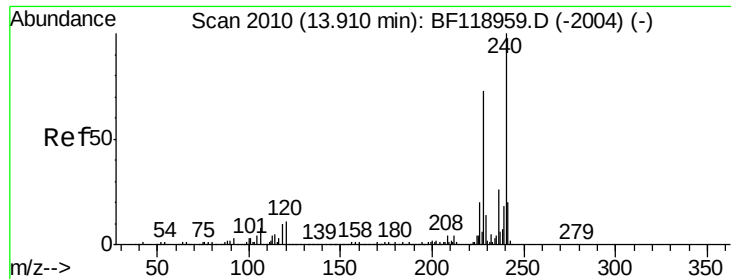
mohammad
3/11/2020 4:58:17 PM



#75
Fluoranthene
Concen: 9.178 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
203	17.6	0.0	38.4





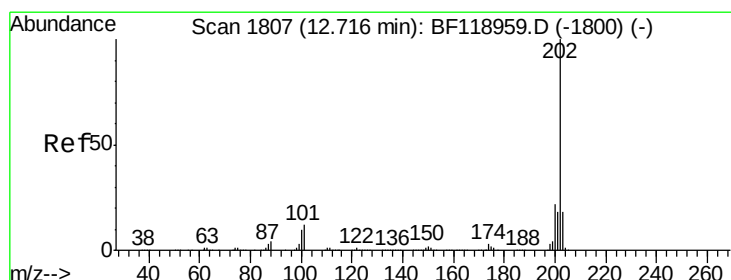
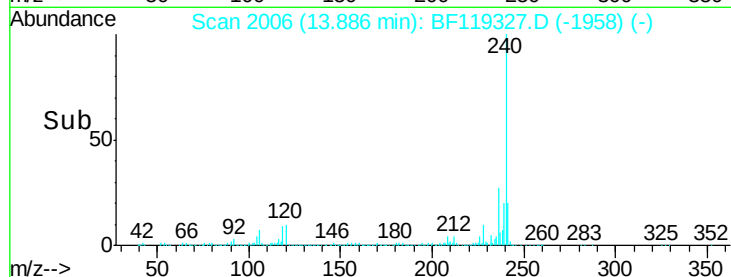
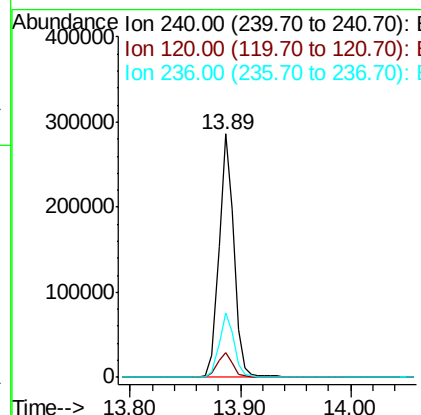
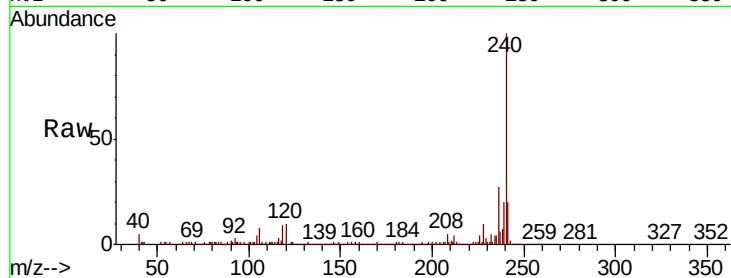
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.4	12.6
236	26.6	21.0	31.4

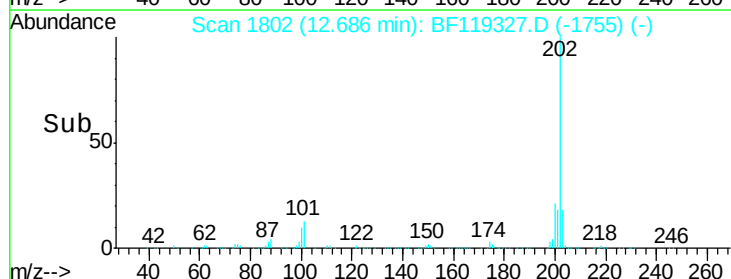
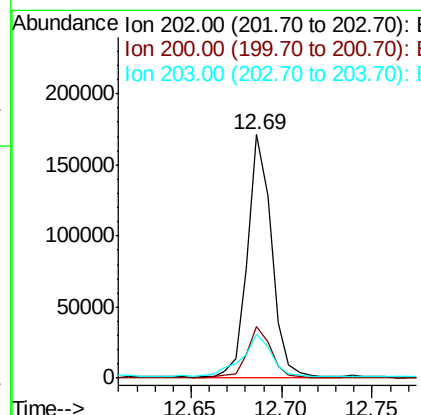
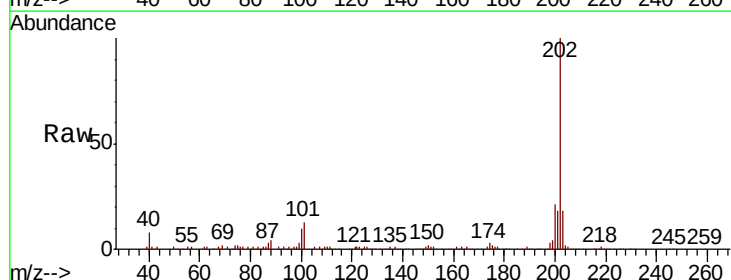
Manual Integrations
 APPROVED

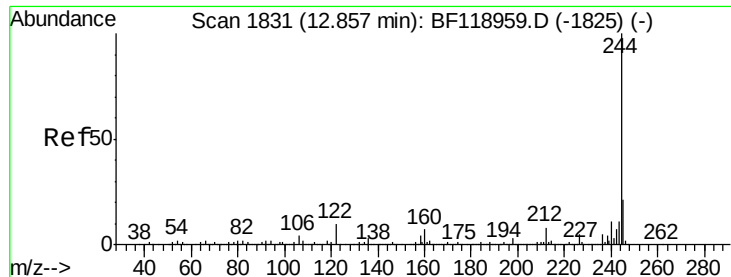
mohammad
 3/11/2020 4:58:17 PM



#78
 Pyrene
 Concen: 7.353 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. -0.02 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.0	27.0
203	18.0	14.6	22.0





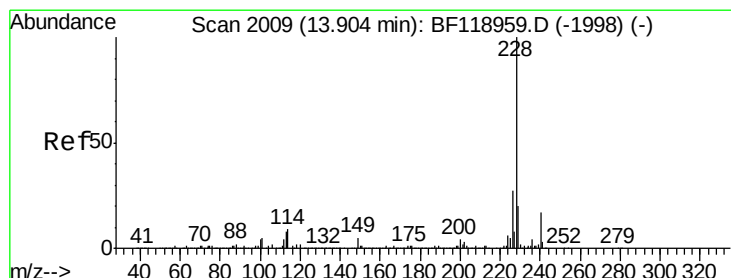
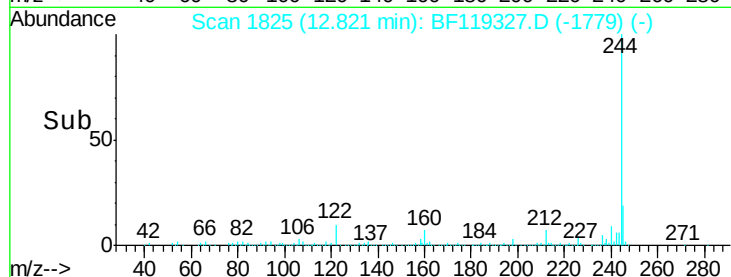
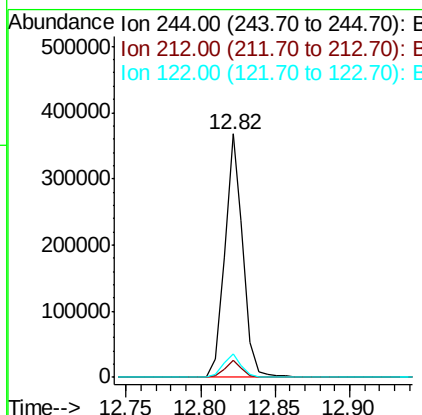
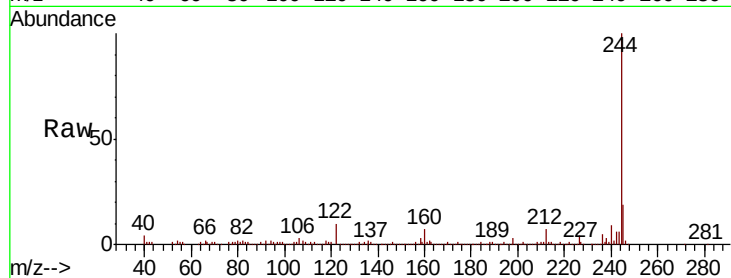
#79
 Terphenyl-d14
 Concen: 20.275 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampled :
 TP-2-S

Tot Ion:	244	Resp:	314025
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.6	10.0
122	9.8	8.2	12.2

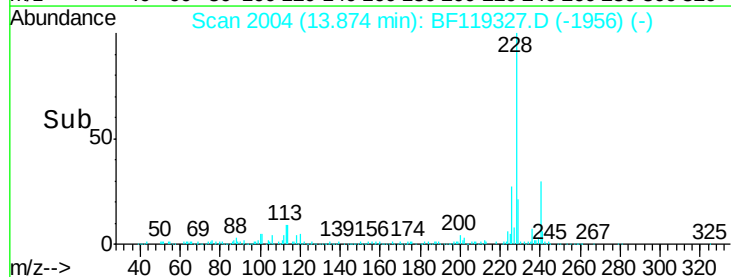
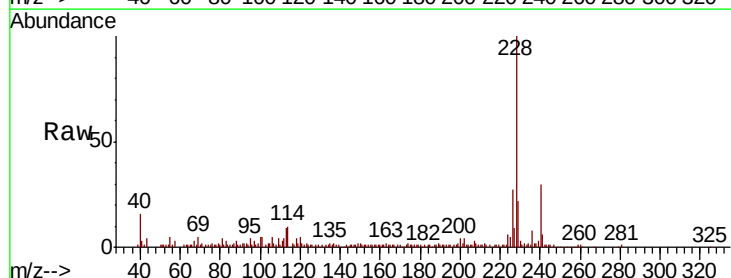
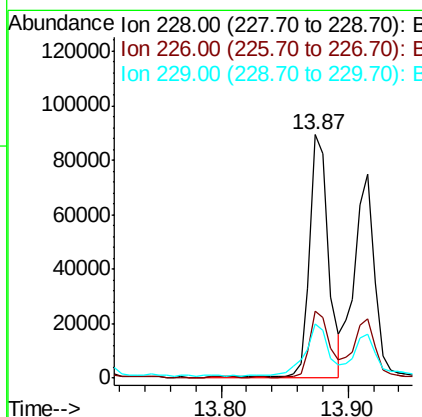
Manual Integrations
 APPROVED

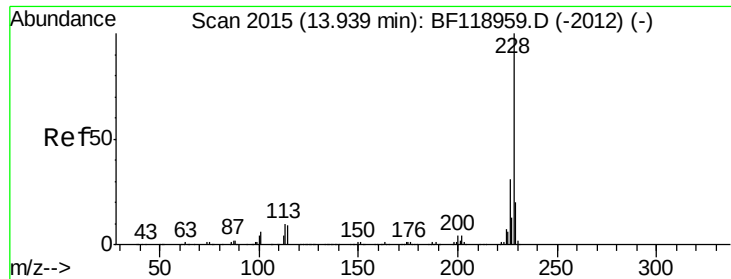
mohammad
 3/11/2020 4:58:17 PM



#81
 Benzo(a)anthracene
 Concen: 5.127 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Tgt Ion:	228	Resp:	93159
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.6	33.8
229	22.1	16.6	24.8





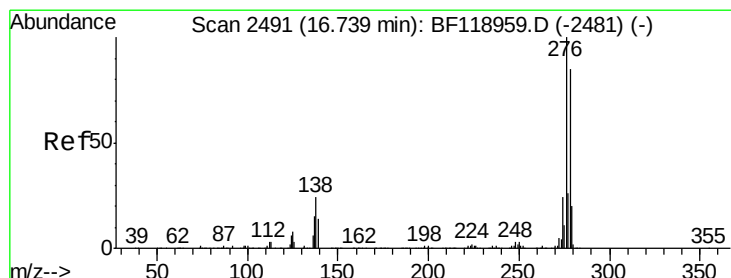
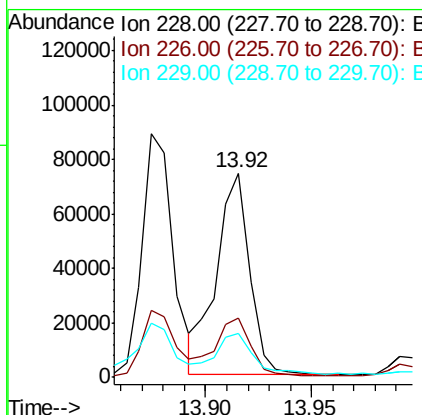
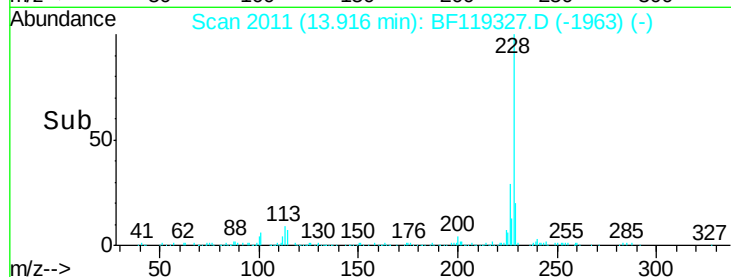
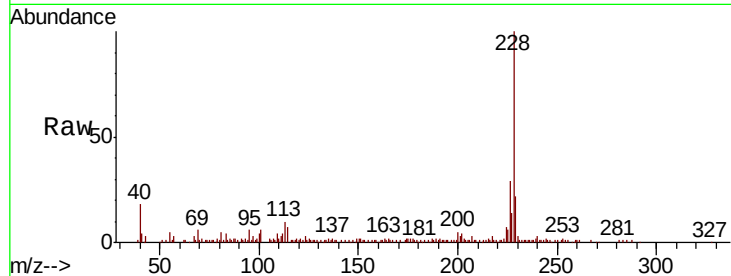
#83
Chrysene
Concen: 4.463 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.1	37.7
229	21.5	16.3	24.5

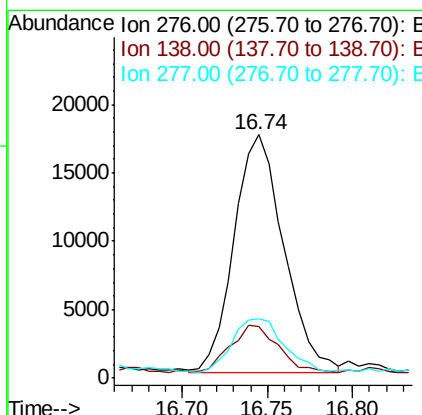
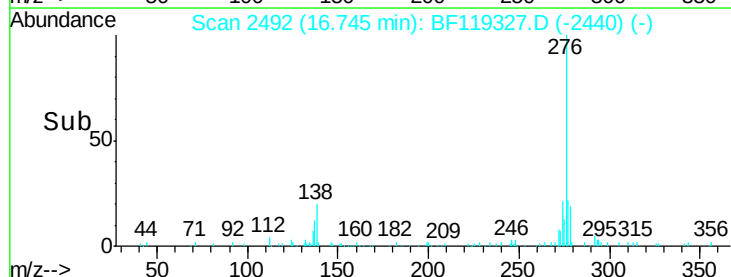
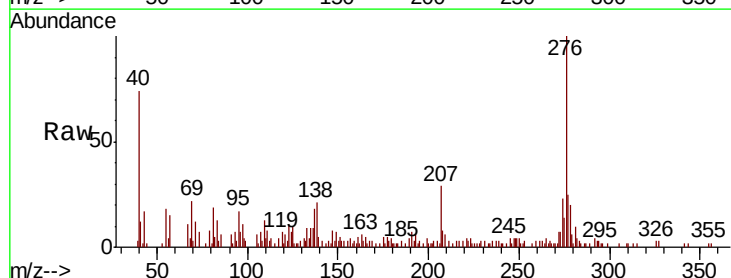
Manual Integrations
APPROVED

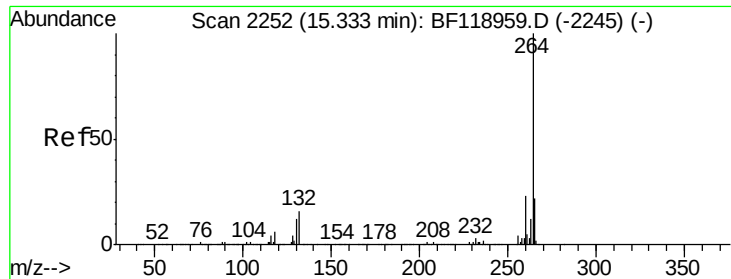
mohammad
3/11/2020 4:58:17 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.024 ng m
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.5	17.4	26.0#
277	3.0	20.3	30.5#





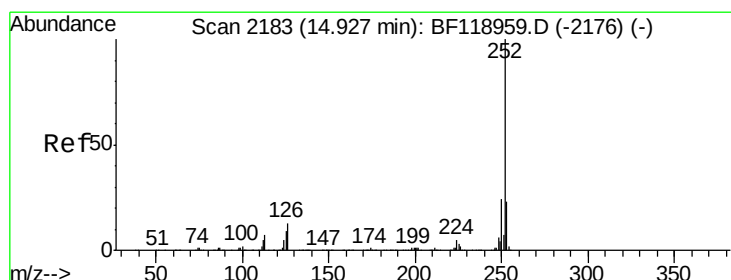
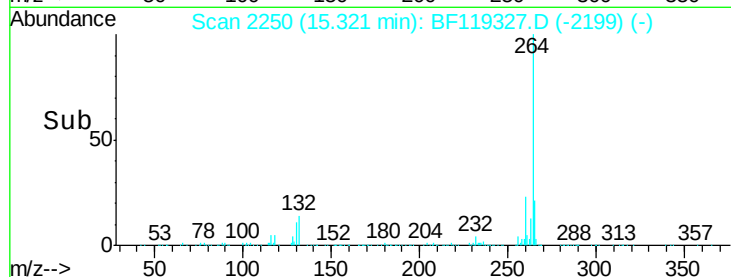
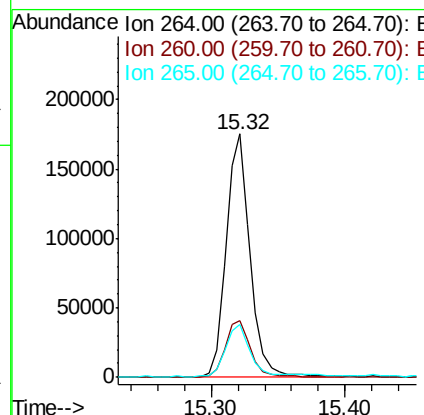
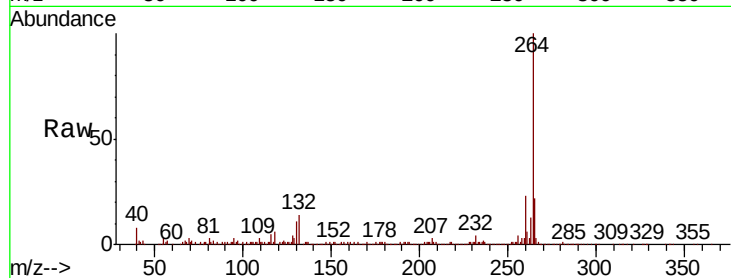
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.7	17.7	26.5

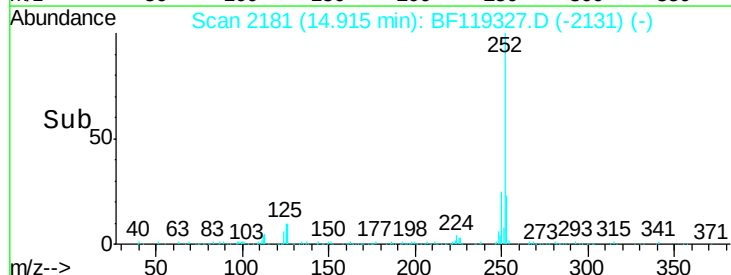
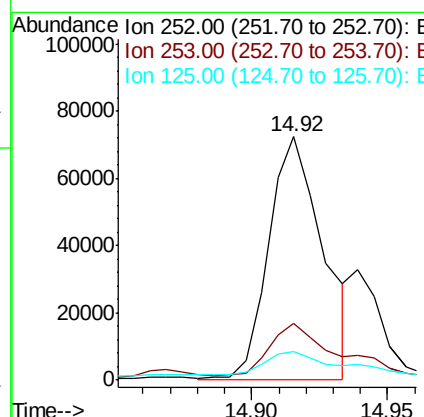
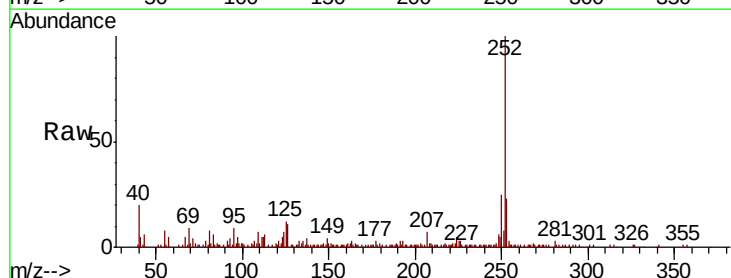
Manual Integrations
APPROVED

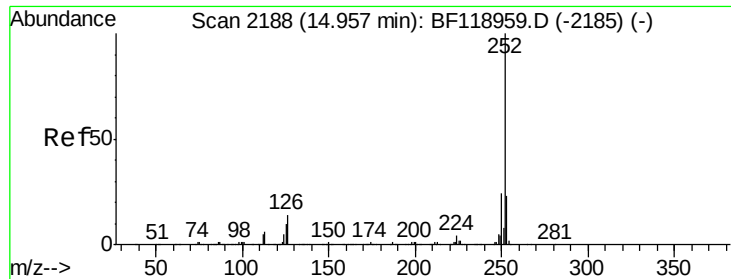
mohammad
3/11/2020 4:58:17 PM



#88
Benzo(b)fluoranthene
Concen: 6.903 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.7	7.4	11.0#





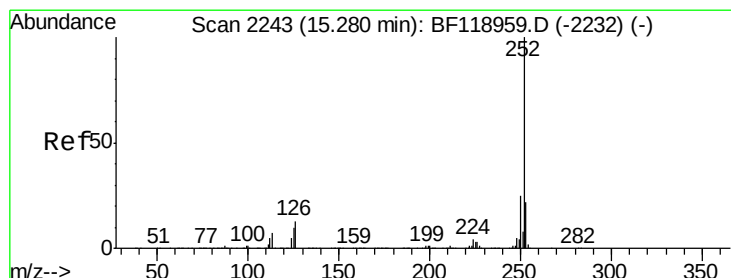
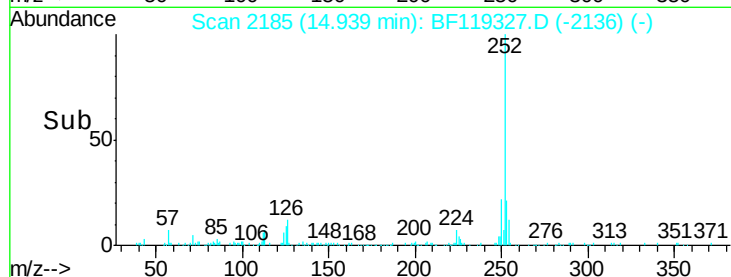
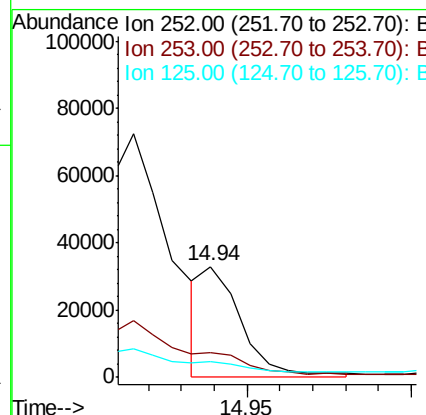
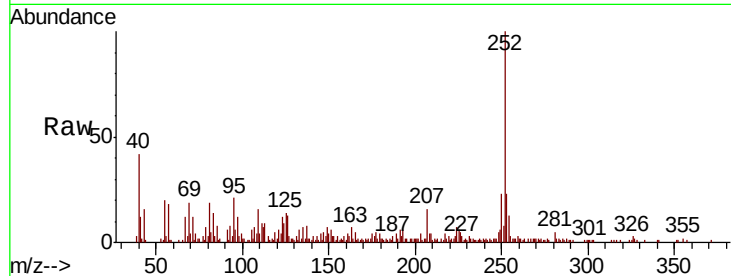
#89
Benzo(k)fluoranthene
Concen: 2.034 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
TP-2-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	14.3	7.5	11.3

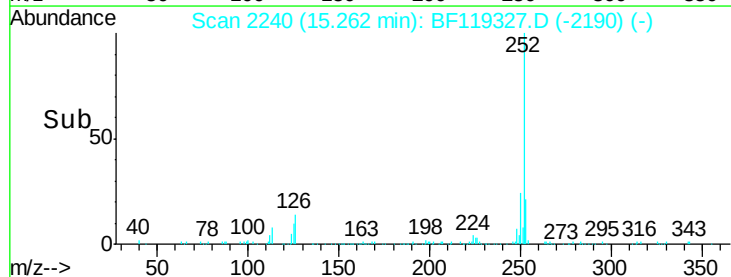
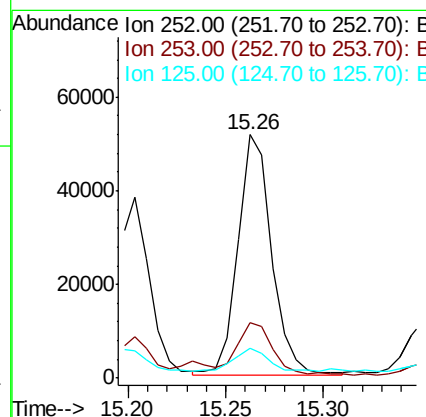
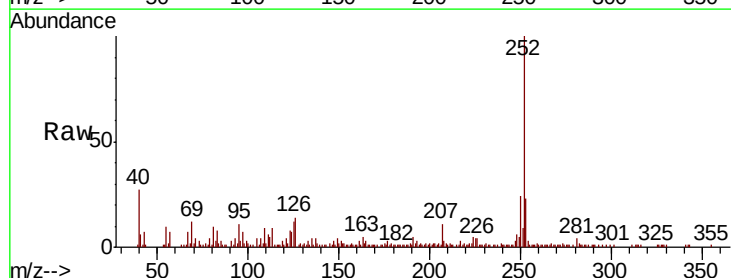
Manual Integrations
APPROVED

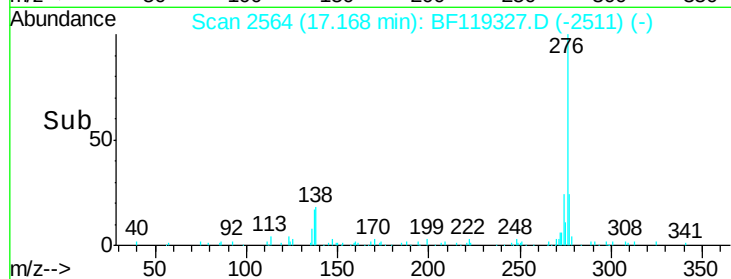
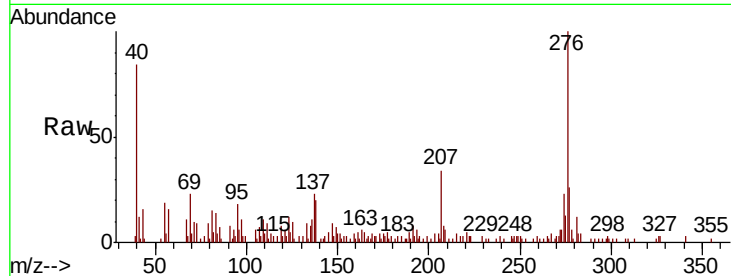
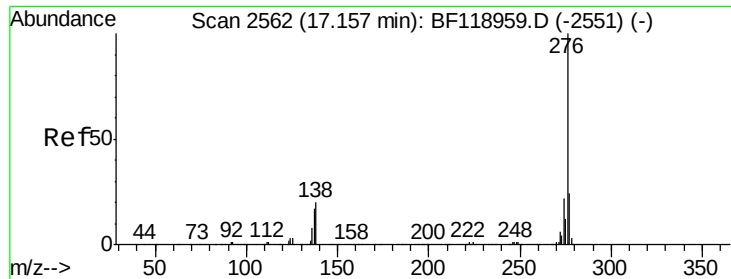
mohammad
3/11/2020 4:58:17 PM



#90
Benzo(a)pyrene
Concen: 4.733 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF119327.D
Acq: 10 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.3	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.113 ng
 RT: 17.17 min Scan# 2564
 Delta R.T. 0.01 min
 Lab File: BF119327.D
 Acq: 10 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-S

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.7	18.7	28.1	
138	19.7	14.3	21.5	

Manual Integrations
 APPROVED

mohammad
 3/11/2020 4:58:17 PM

