

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117572.D
 Acq On : 28 Oct 2019 20:05
 Operator : JU
 Sample : K5502-17DL2 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 177-44-(0-2.5)DL2

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:51:30 PM

Quant Time: Oct 29 17:50:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	37332	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	168913	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	83610	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	116432	20.00	ng	0.00
76) Chrysene-d12	13.89	240	75060	20.00	ng	-0.01
87) Perylene-d12	15.32	264	82274	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	15577	6.21	ng	0.02
7) Phenol-d6	6.40	99	26453	7.85	ng	0.02
23) Nitrobenzene-d5	7.31	82	17079	4.99	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	4400	6.08	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	33187	5.59	ng	-0.01
79) Terphenyl-d14	12.82	244	22075	4.80	ng	-0.01
Target Compounds						
71) Phenanthrene	11.27	178	147919	21.879	ng	98
72) Anthracene	11.32	178	28837	4.157	ng	96
75) Fluoranthene	12.46	202	209102	30.895	ng	98
78) Pyrene	12.69	202	172677	26.783	ng	99
81) Benzo(a)anthracene	13.88	228	83229	16.438	ng	99
83) Chrysene	13.92	228	72886	14.688	ng	98
86) Indeno(1,2,3-cd)pyrene	16.74	276	32610	8.802	ng	94
88) Benzo(b)fluoranthene	14.92	252	98072m	20.186	ng	
89) Benzo(k)fluoranthene	14.94	252	27636m	5.550	ng	
90) Benzo(a)pyrene	15.26	252	62706	14.196	ng	# 96
92) Benzo(g,h,i)perylene	17.16	276	25166	6.964	ng	96

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

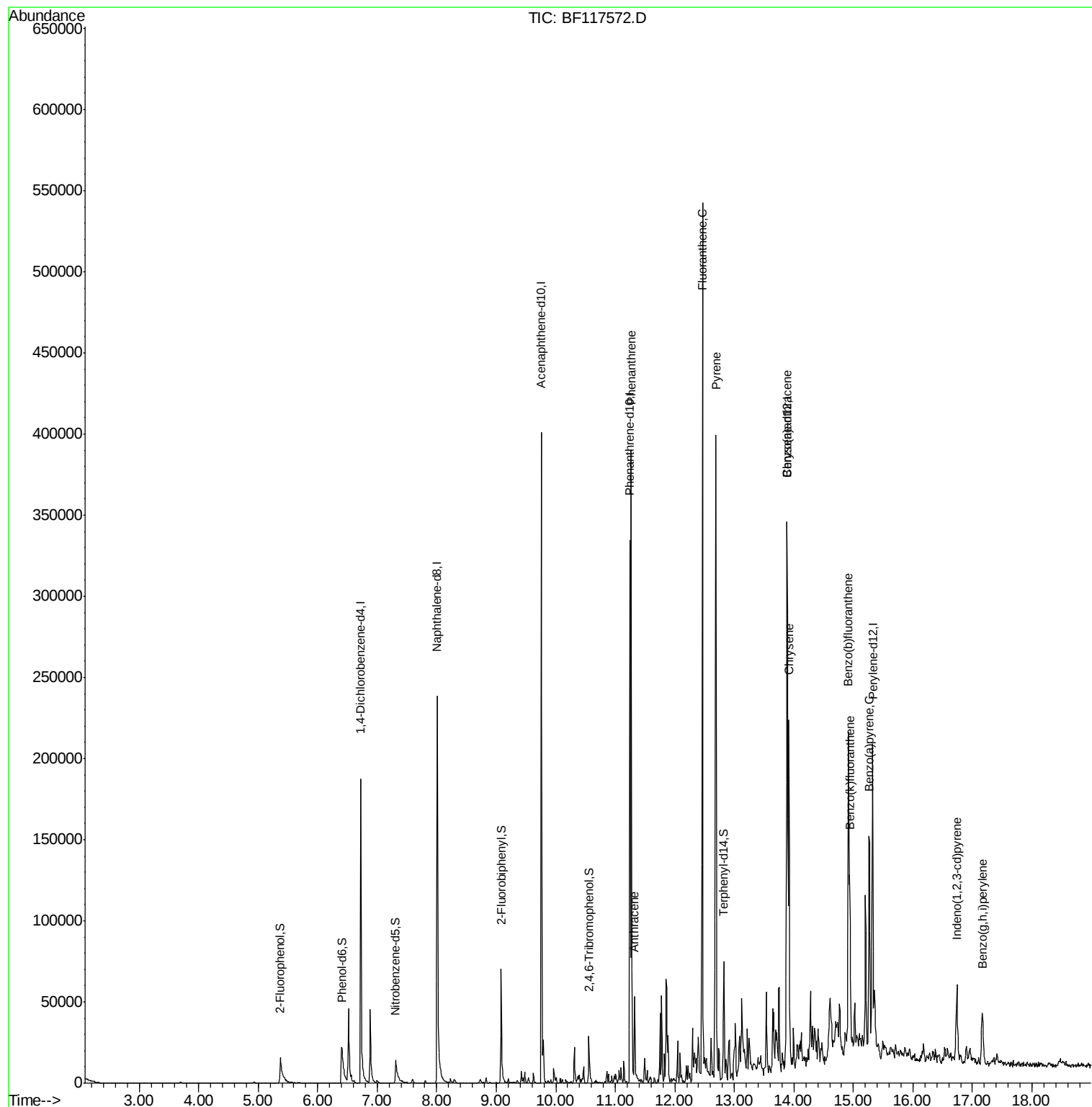
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
Data File : BF117572.D
Acq On : 28 Oct 2019 20:05
Operator : JU
Sample : K5502-17DL2 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)DL2

Manual Integrations
APPROVED

mohammad
10/30/2019 4:51:30 PM

Quant Time: Oct 29 17:50:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration





#1

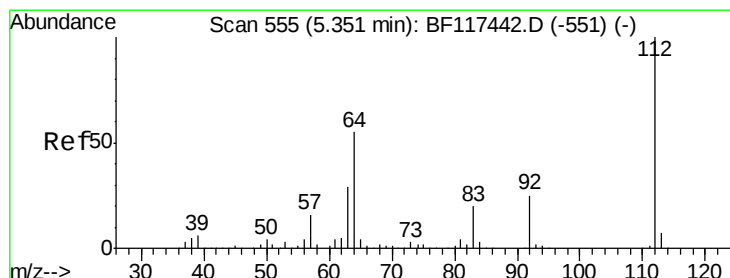
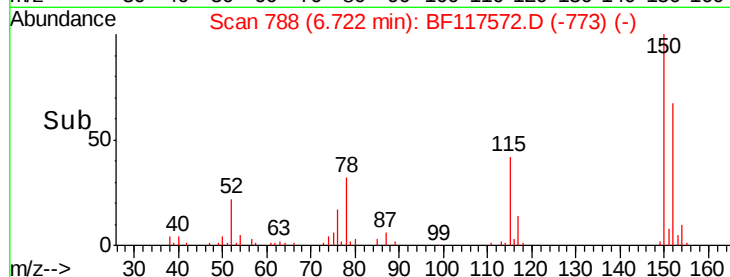
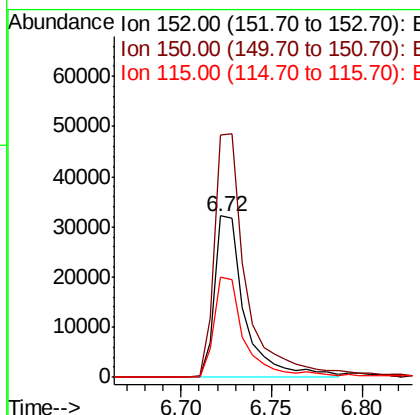
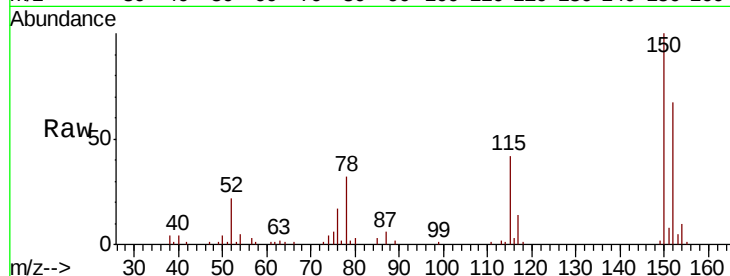
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	126.8	190.2
115	62.2	51.6	77.4

Manual Integrations
APPROVED

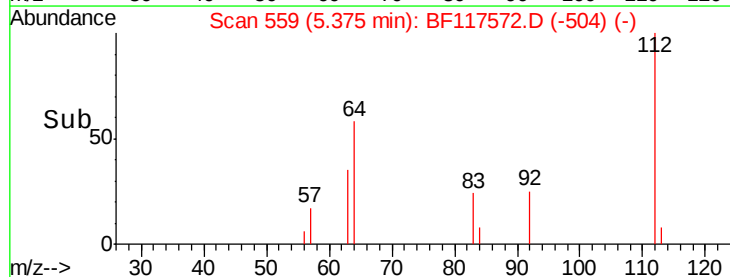
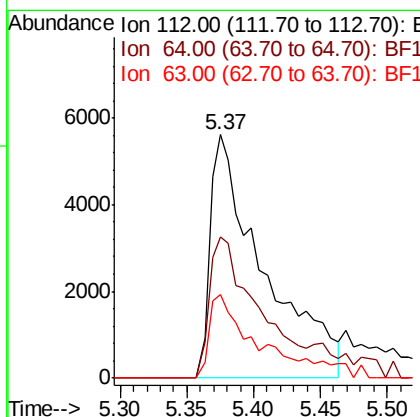
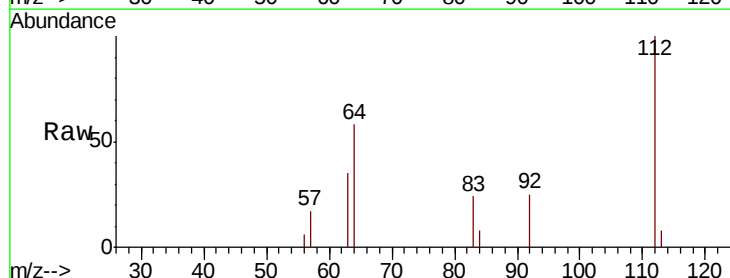
mohammad
10/30/2019 4:51:30 PM



#5

2-Fluorophenol
Concen: 6.208 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	34.5	23.4	35.2





#7

Phenol-d6

Concen: 7.849 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF117572.D

Acq: 28 Oct 2019 20:05

Instrument :

BNA_F

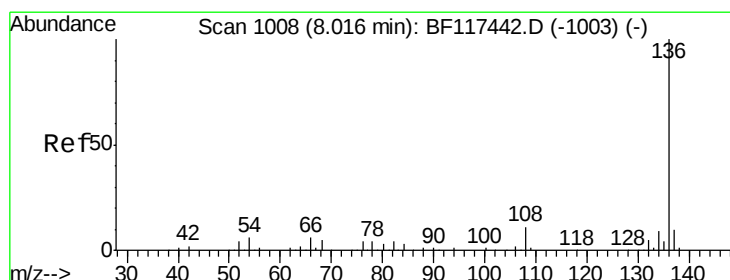
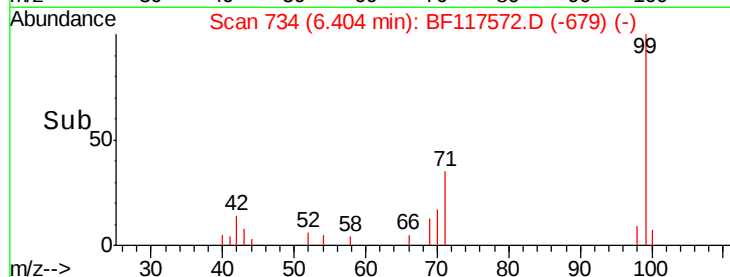
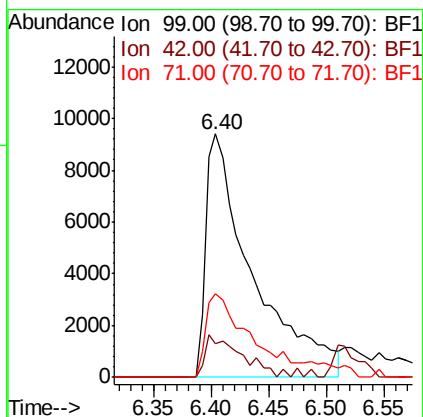
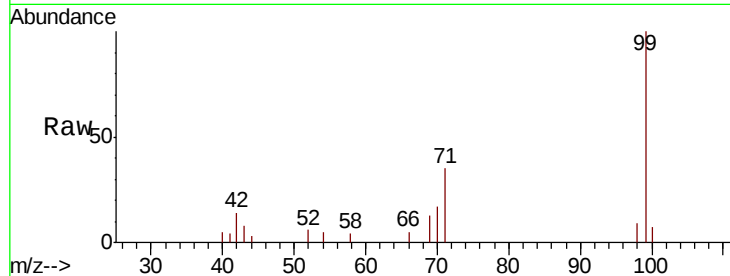
ClientSampleId :

177-44-(0-2.5)DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		26453		
42	13.9	12.8	19.2		
71	34.6	28.6	43.0		

Manual Integrations
APPROVED

mohammad
10/30/2019 4:51:30 PM



#21

Naphthalene-d8

Concen: 20.000 ng

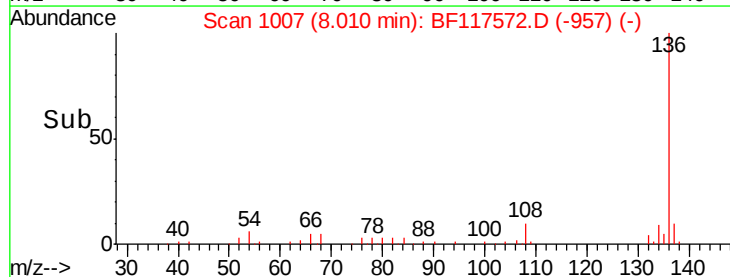
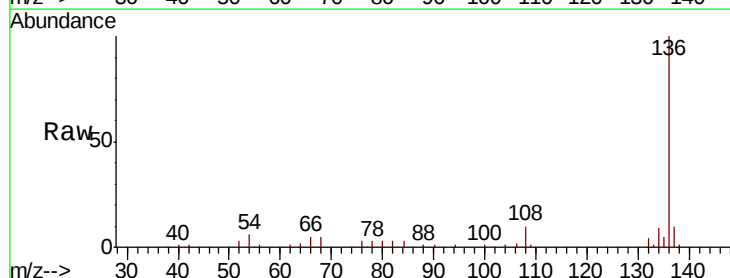
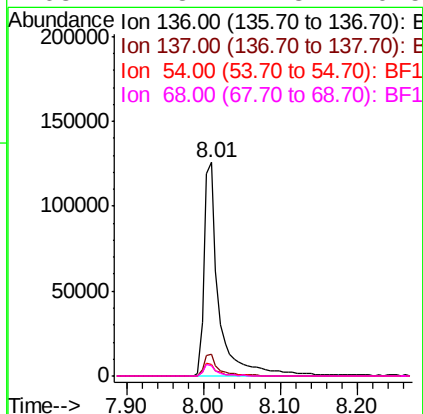
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117572.D

Acq: 28 Oct 2019 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		168913		
137	10.3	8.2	12.4		
54	5.6	4.5	6.7		
68	4.8	4.3	6.5		





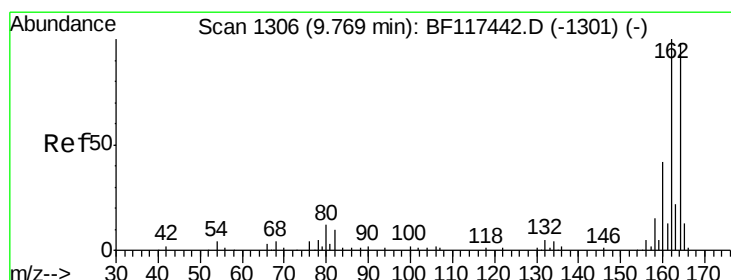
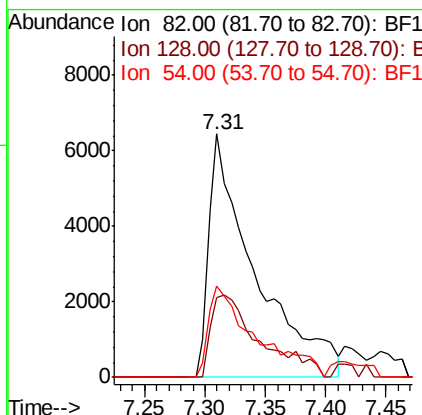
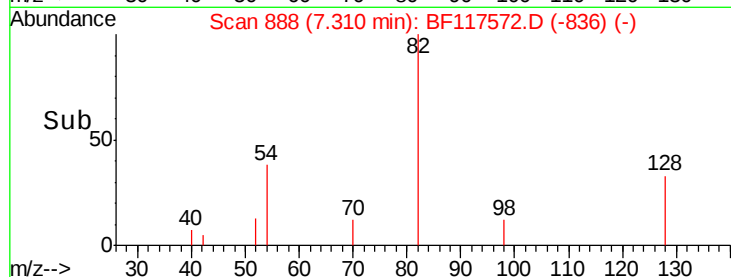
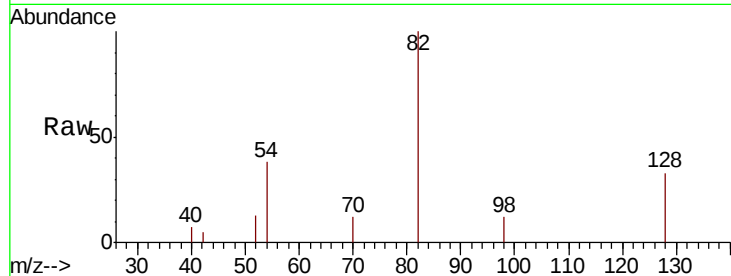
#23
 Nitrobenzene-d5
 Concen: 4.992 ng
 RT: 7.31 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: BF117572.D
 Acq: 28 Oct 2019 20:05

Instrument :
 BNA_F
 ClientSampleID :
 177-44-(0-2.5)DL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.6	32.2	48.2
54	37.6	34.2	51.2

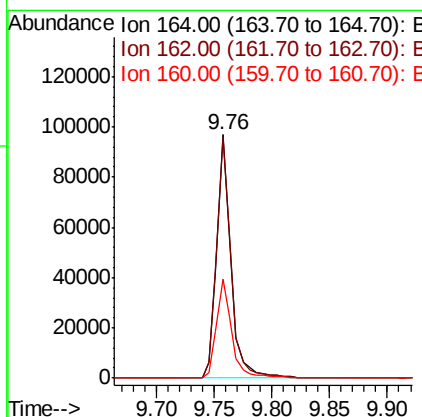
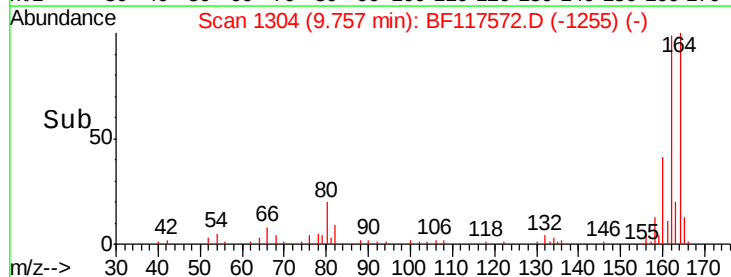
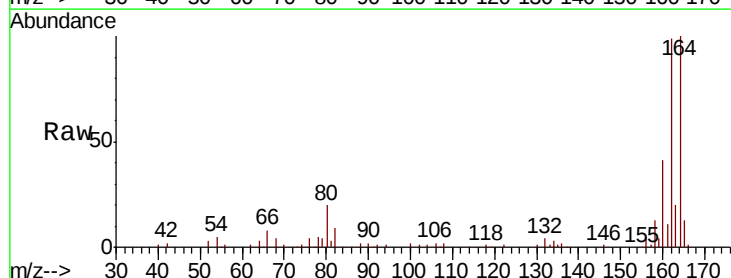
Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:51:30 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117572.D
 Acq: 28 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.8	122.6
160	40.8	34.4	51.6





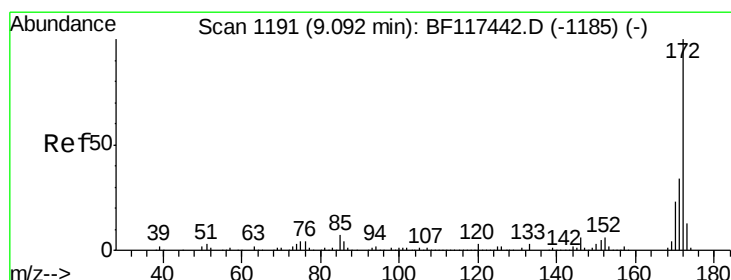
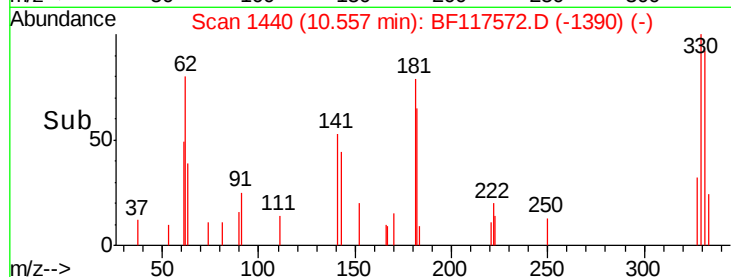
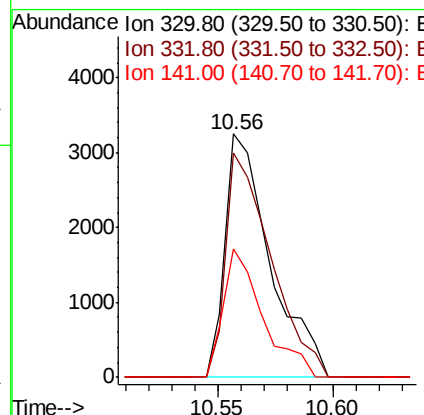
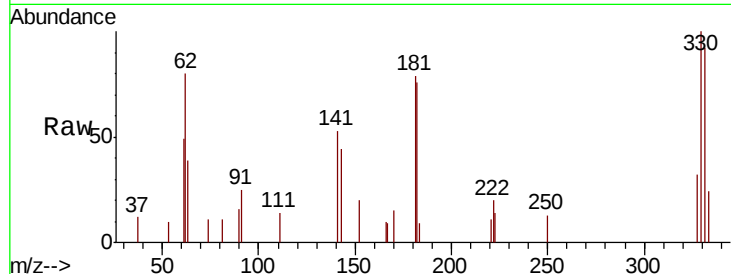
#42
 2,4,6-Tribromophenol
 Concen: 6.082 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117572.D
 Acq: 28 Oct 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :
 177-44-(0-2.5)DL2

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.7	78.5	117.7
141	46.4	37.0	55.6

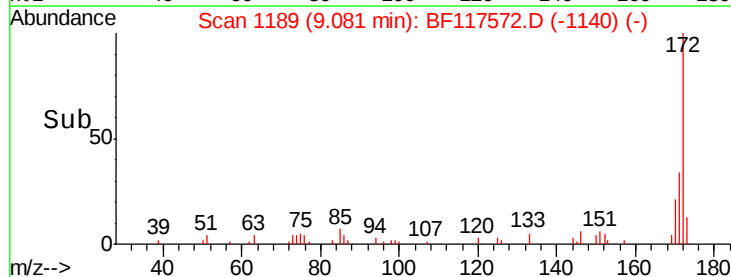
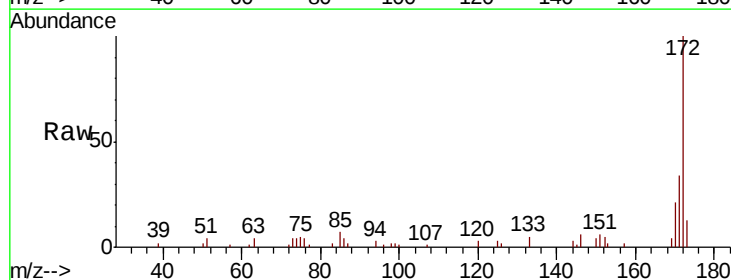
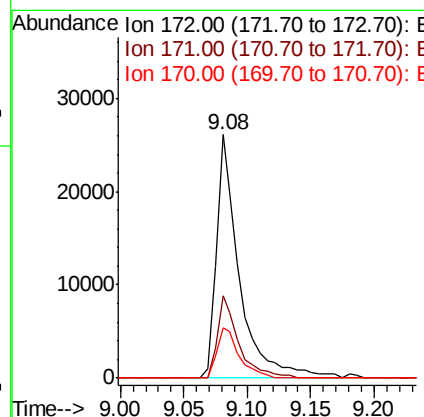
Manual Integrations
 APPROVED

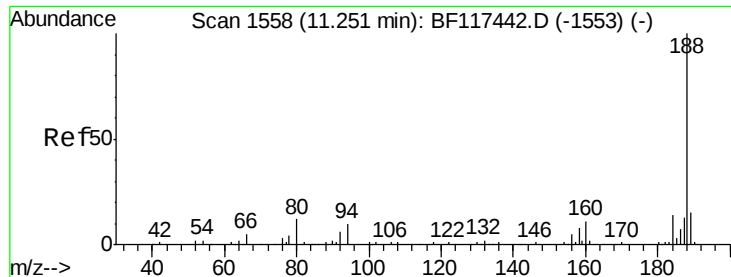
mohammad
 10/30/2019 4:51:30 PM



#45
 2-Fluorobiphenyl
 Concen: 5.593 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117572.D
 Acq: 28 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.5	41.3
170	20.5	18.6	27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117572.D

Acq: 28 Oct 2019 20:05

Instrument :

BNA_F

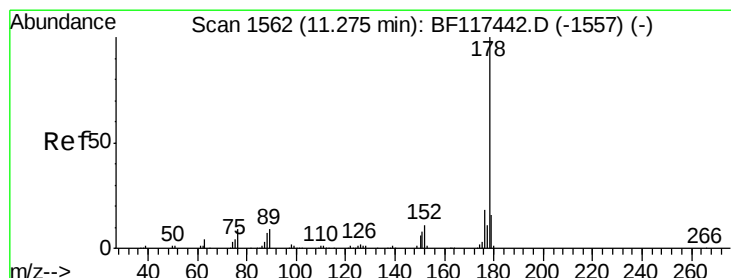
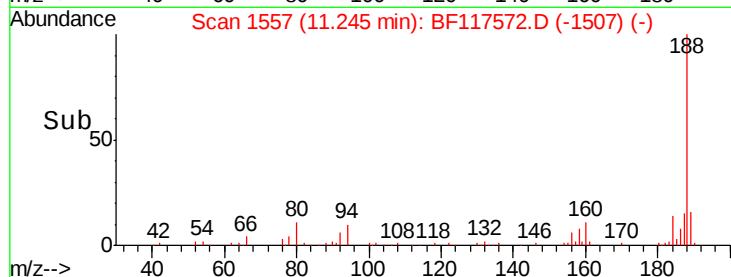
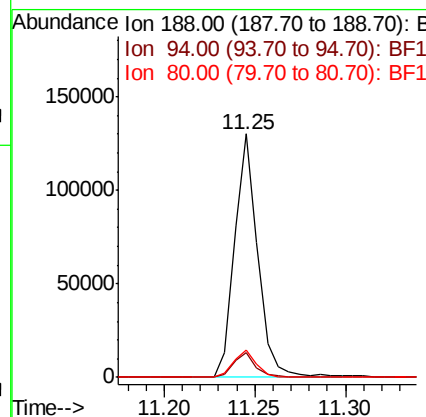
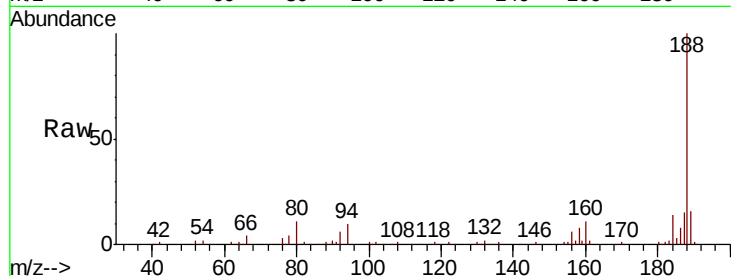
ClientSampleId :

177-44-(0-2.5)DL2

Tot Ion:	188	Resp:	116432
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.0	12.0
80	11.1	9.5	14.3

Manual Integrations
APPROVED

mohammad
10/30/2019 4:51:30 PM



#71

Phenanthrene

Concen: 21.879 ng

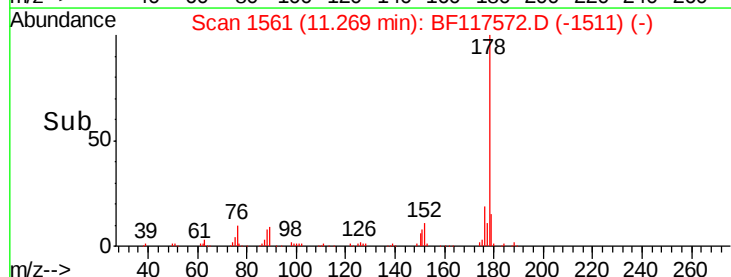
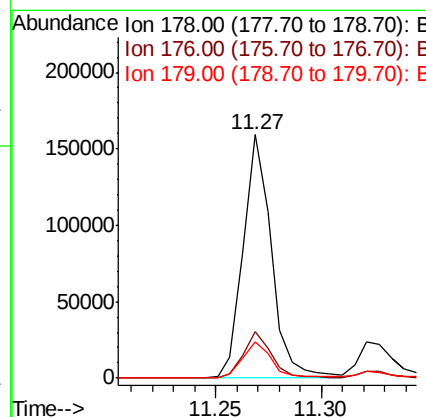
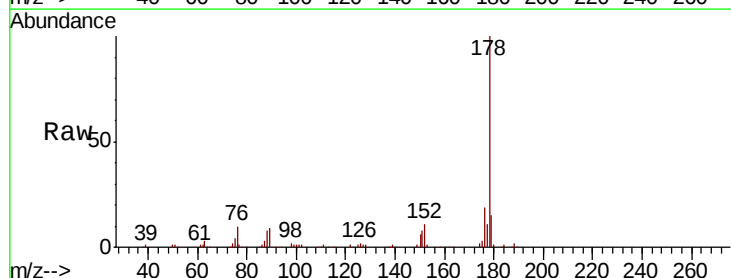
RT: 11.27 min Scan# 1561

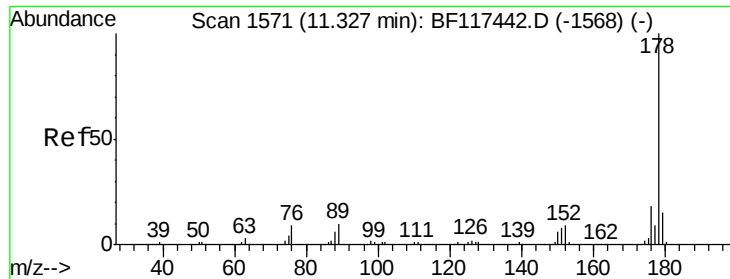
Delta R.T. -0.01 min

Lab File: BF117572.D

Acq: 28 Oct 2019 20:05

Tgt Ion:	178	Resp:	147919
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.6	22.0
179	14.7	12.6	19.0





#72

Anthracene

Concen: 4.157 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF117572.D

Acq: 28 Oct 2019 20:05

Instrument :

BNA_F

ClientSampleId :

177-44-(0-2.5)DL2

Tot Ion:178 Resp: 28837

Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

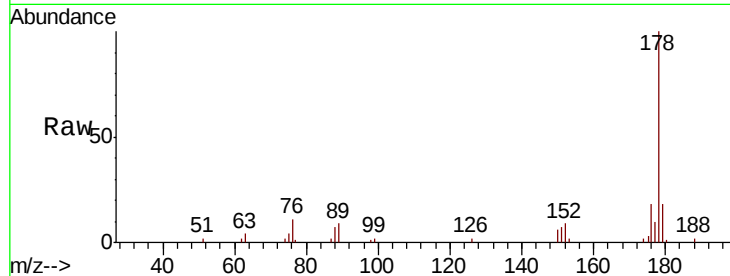
179 18.2 12.2 18.2

Manual Integrations

APPROVED

mohammad

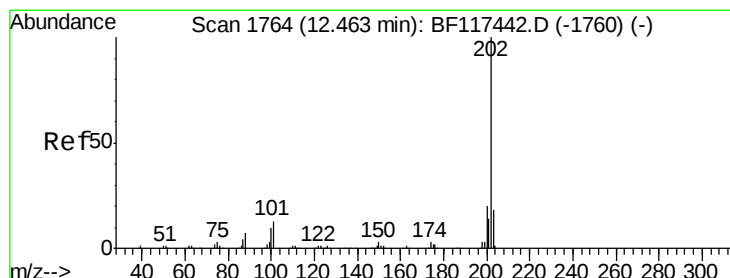
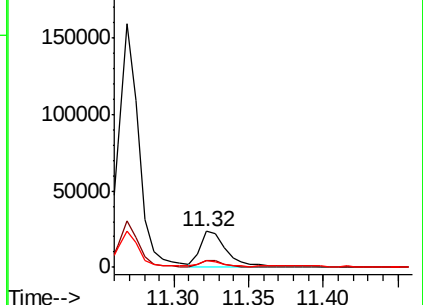
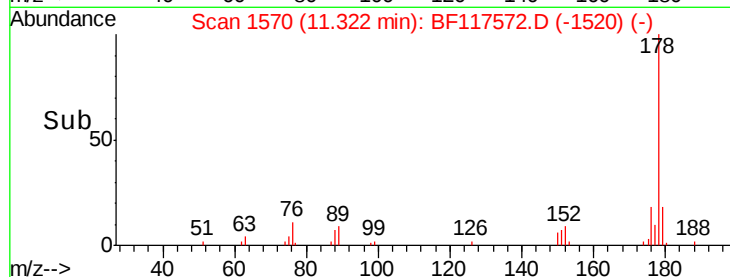
10/30/2019 4:51:30 PM



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: 30.895 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117572.D

Acq: 28 Oct 2019 20:05

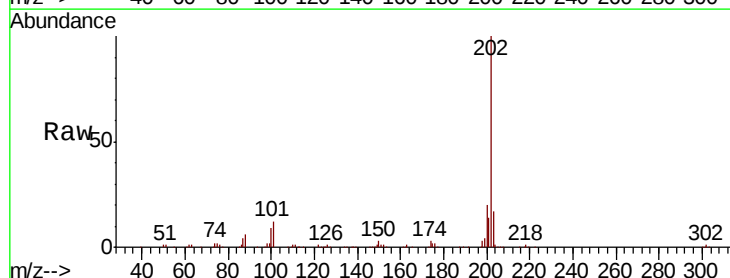
Tgt Ion:202 Resp: 209102

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.7

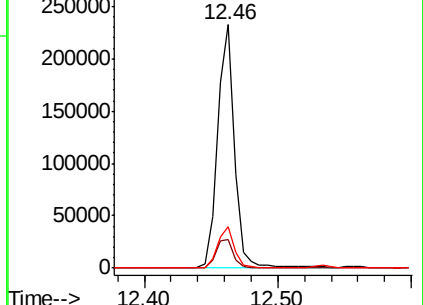
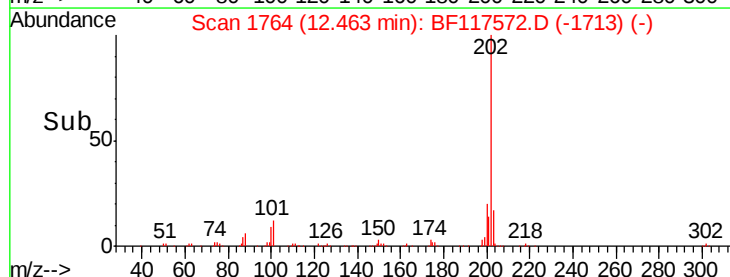
203 17.0 0.0 37.6

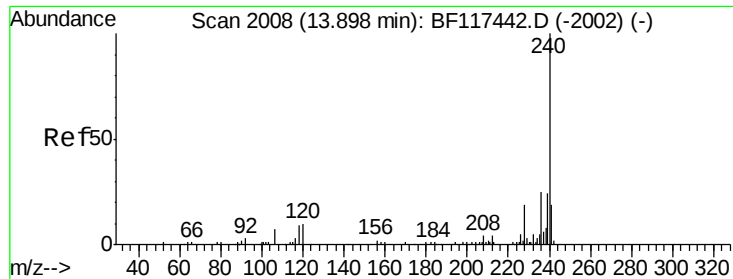


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





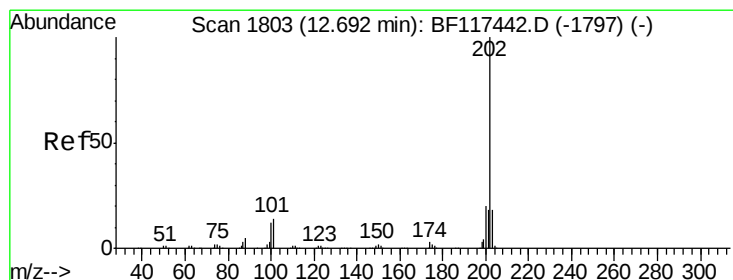
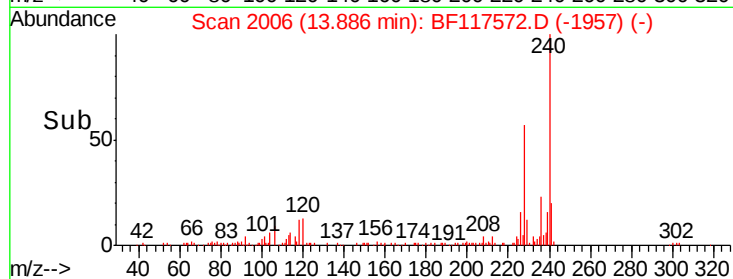
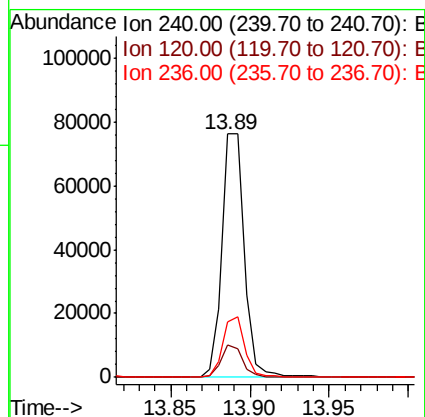
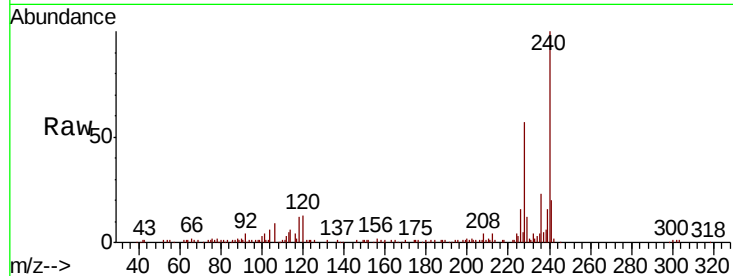
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)DL2

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	8.4	12.6#
236	22.9	20.0	30.0

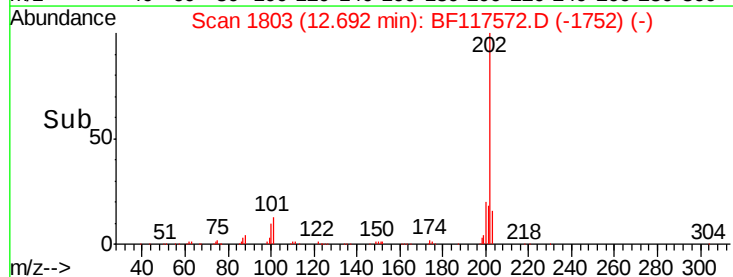
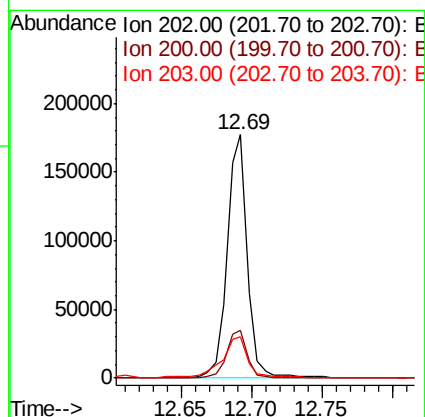
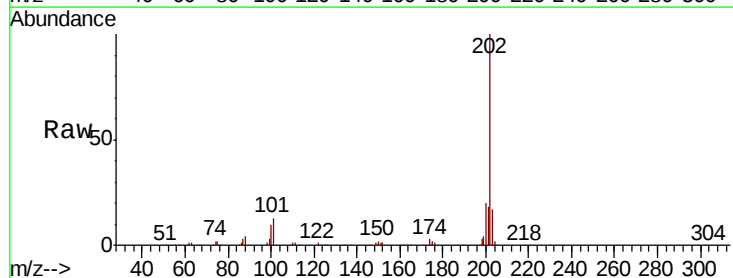
Manual Integrations
APPROVED

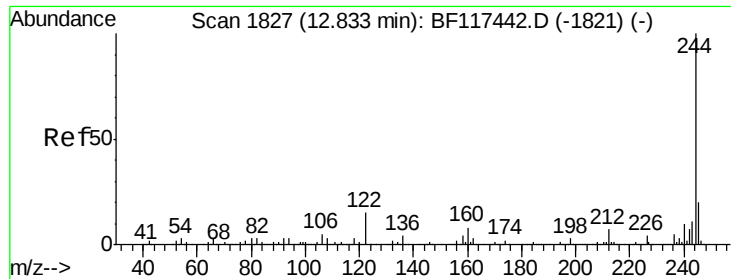
mohammad
10/30/2019 4:51:30 PM



#78
Pyrene
Concen: 26.783 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.2
203	16.8	14.0	21.0





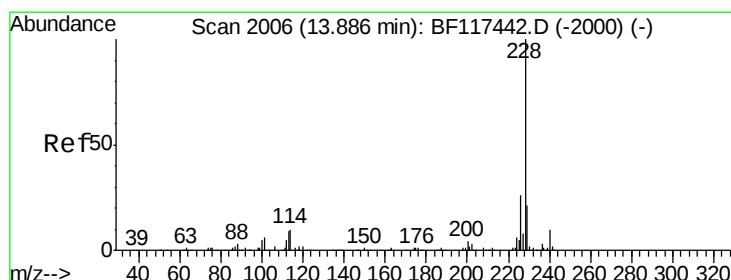
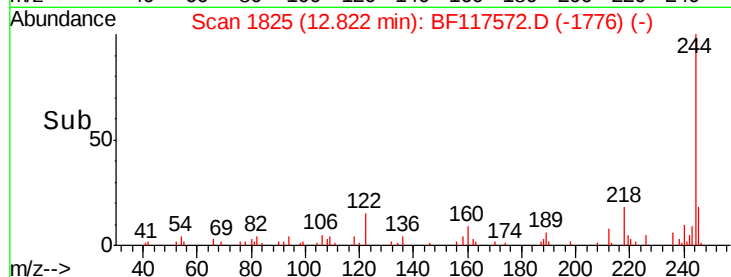
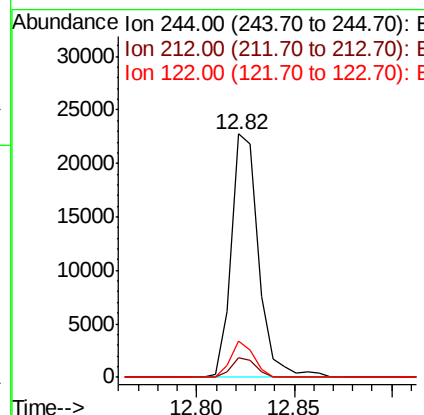
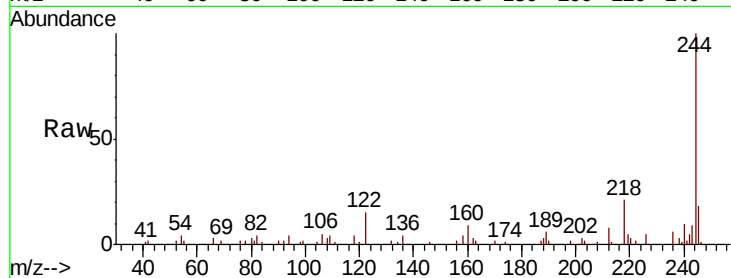
#79
 Terphenyl-d14
 Concen: 4.797 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF117572.D
 Acq: 28 Oct 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :
 177-44-(0-2.5)DL2

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.6
122	14.6	11.8	17.8

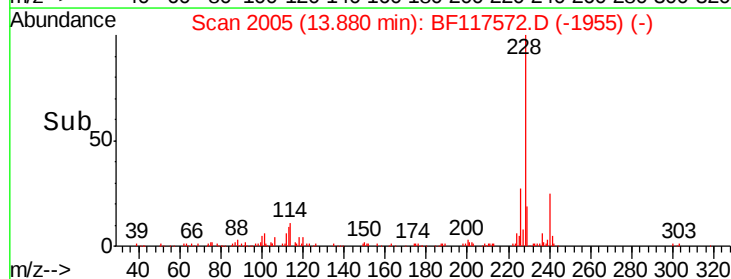
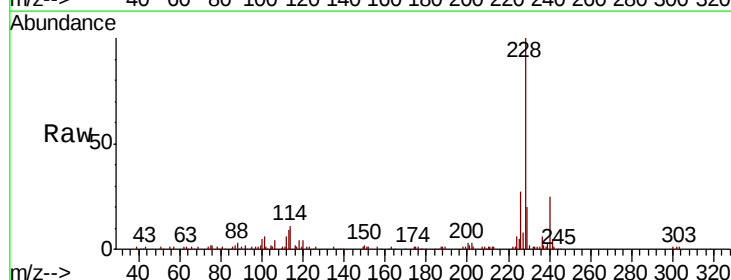
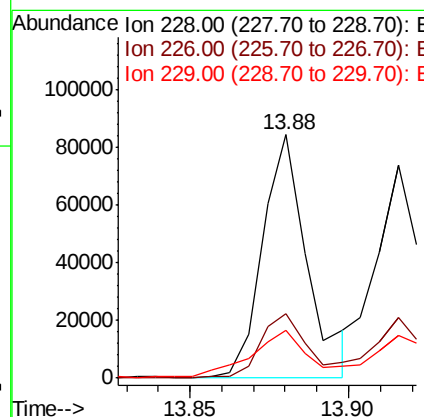
Manual Integrations
 APPROVED

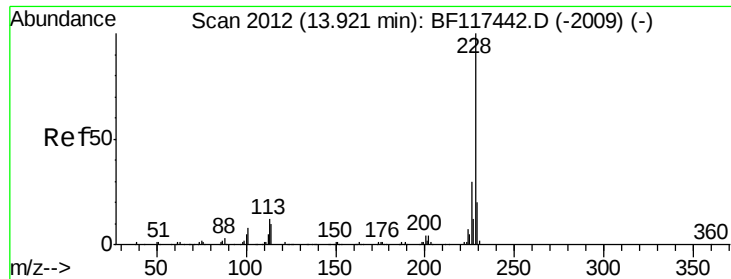
mohammad
 10/30/2019 4:51:30 PM



#81
 Benzo(a)anthracene
 Concen: 16.438 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117572.D
 Acq: 28 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.4
229	19.7	16.4	24.6





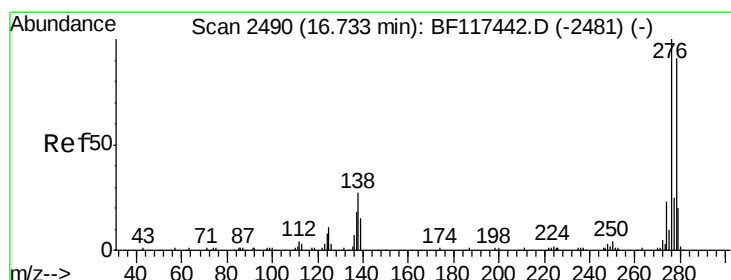
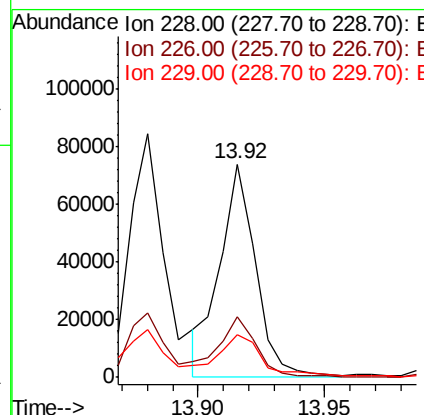
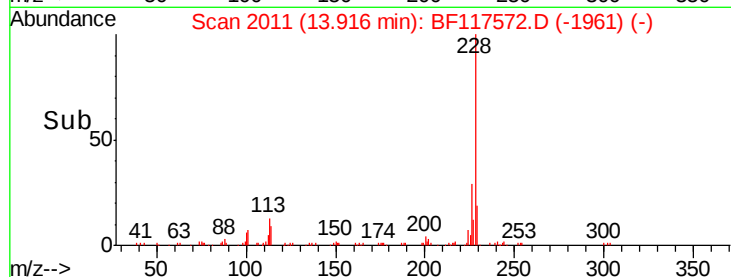
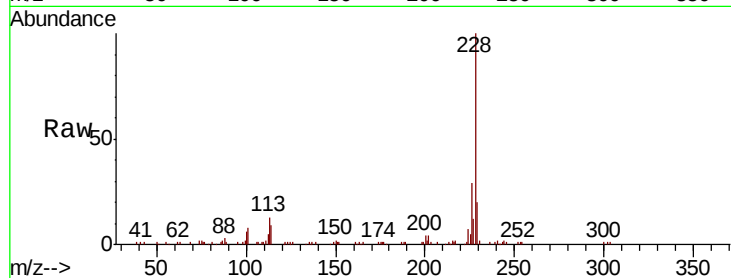
#83
Chrysene
Concen: 14.688 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)DL2

Tot Ion:	228	Resp:	72886
Ion Ratio		Lower	Upper
228	100		
226	28.6	23.9	35.9
229	19.9	15.8	23.6

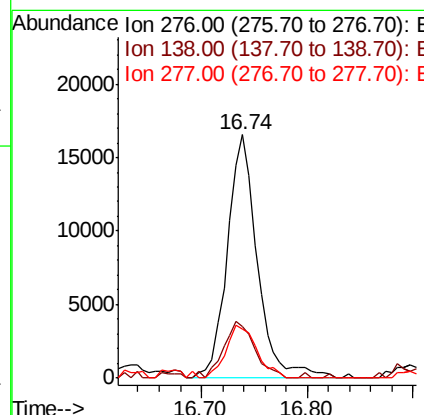
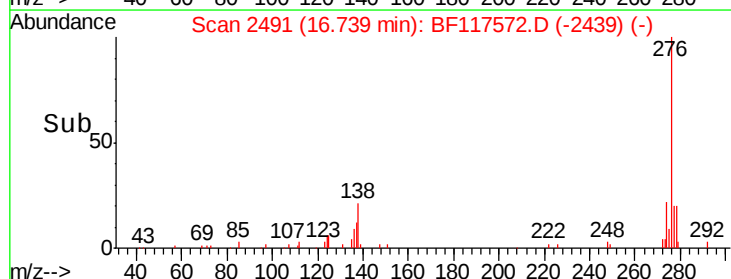
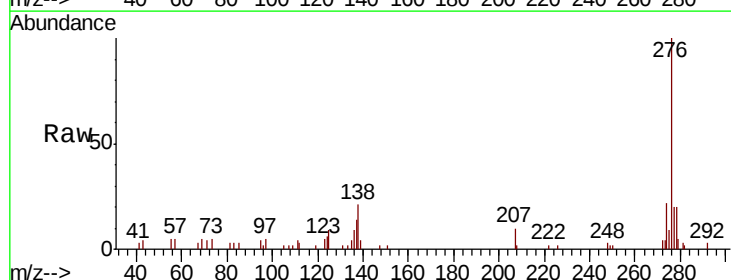
Manual Integrations
APPROVED

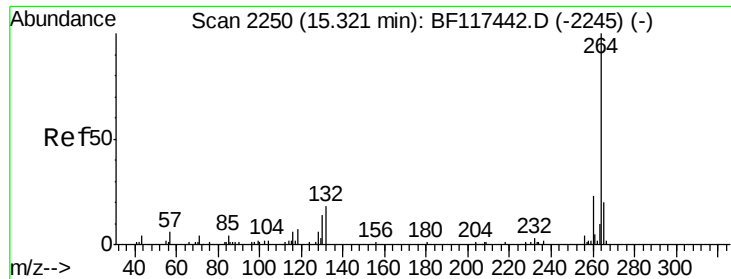
mohammad
10/30/2019 4:51:30 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 8.802 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Tgt Ion:	276	Resp:	32610
Ion Ratio		Lower	Upper
276	100		
138	24.3	21.8	32.8
277	22.1	20.0	30.0





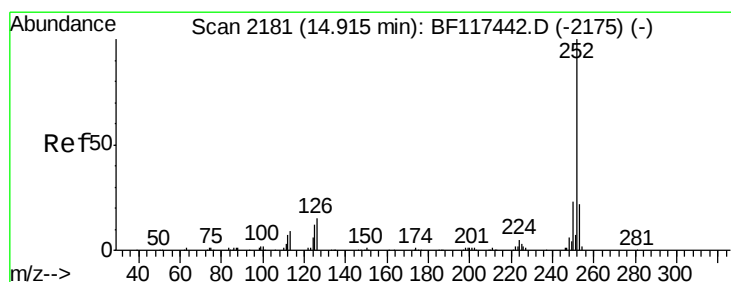
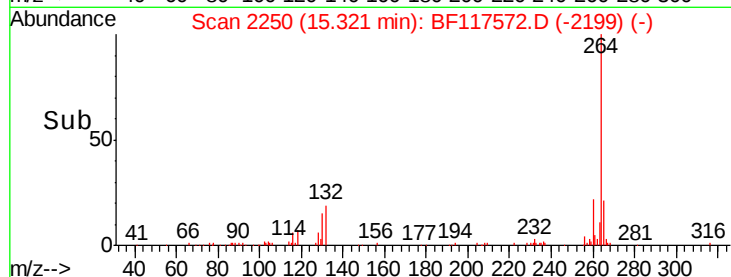
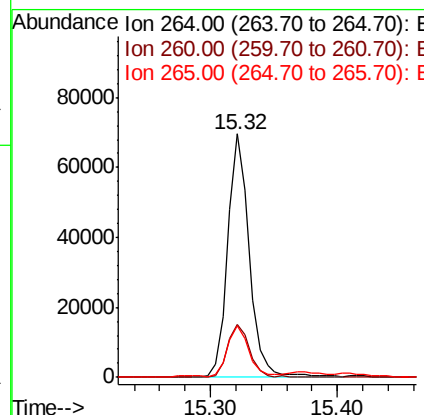
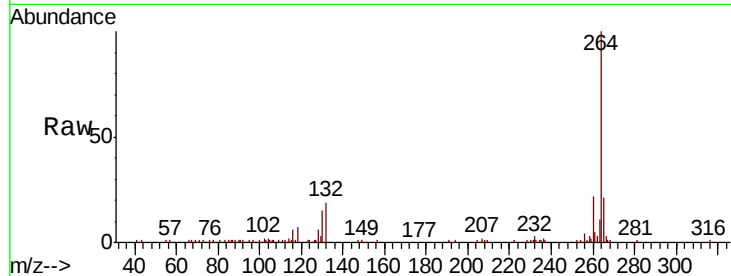
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.00 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)DL2

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.4	27.6
265	21.2	16.1	24.1

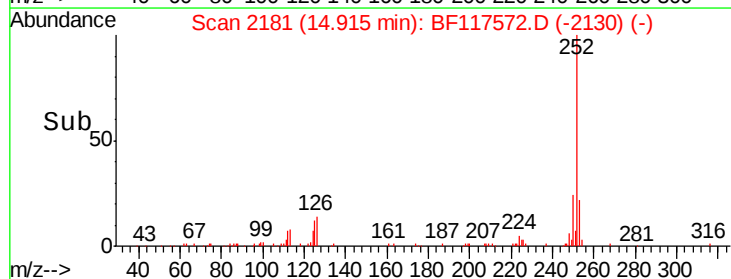
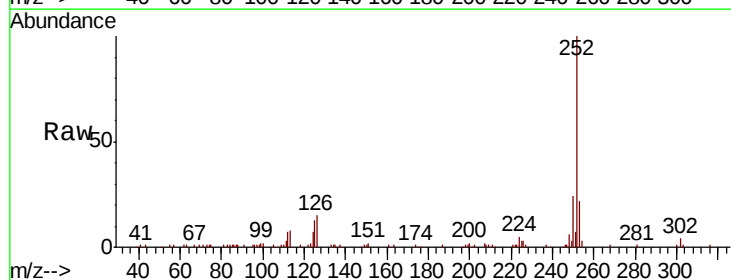
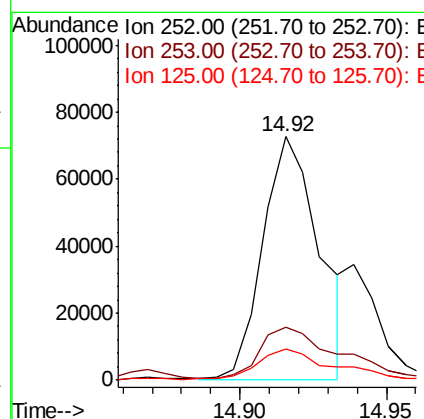
Manual Integrations
APPROVED

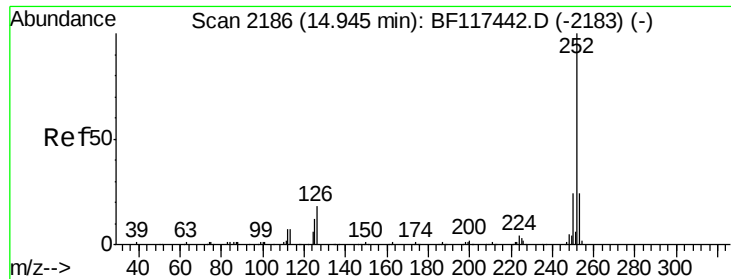
mohammad
10/30/2019 4:51:30 PM



#88
Benzo(b)fluoranthene
Concen: 20.186 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.7	9.9	14.9





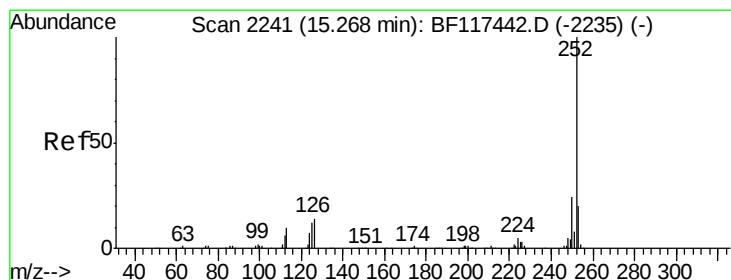
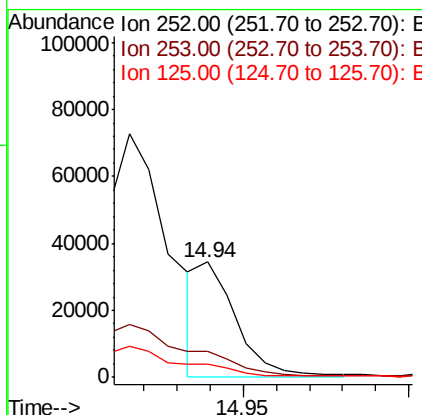
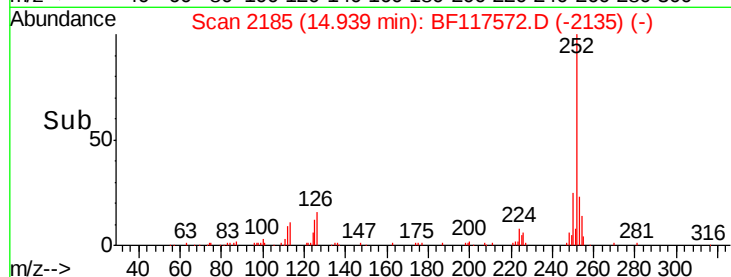
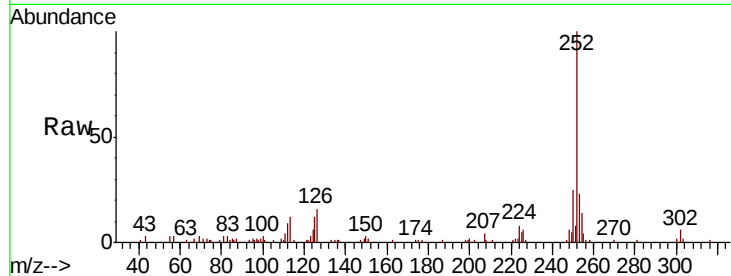
#89
Benzo(k)fluoranthene
Concen: 5.550 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.8	8.9	13.3

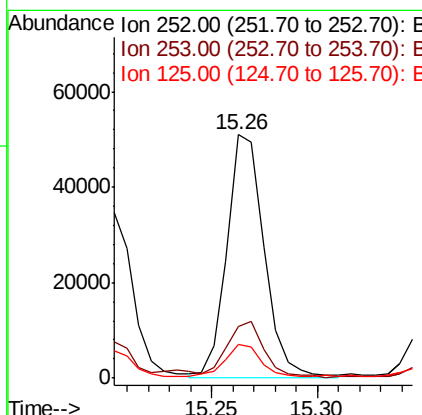
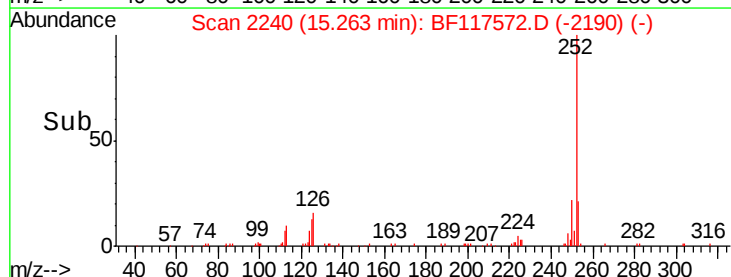
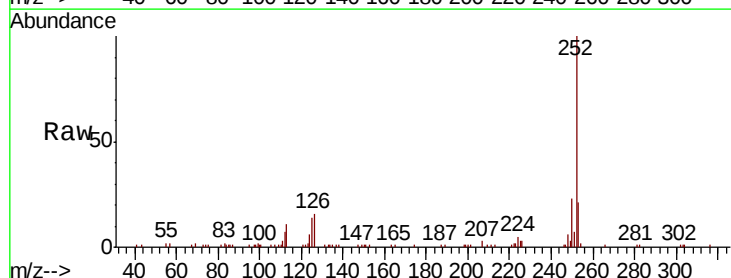
Manual Integrations
APPROVED

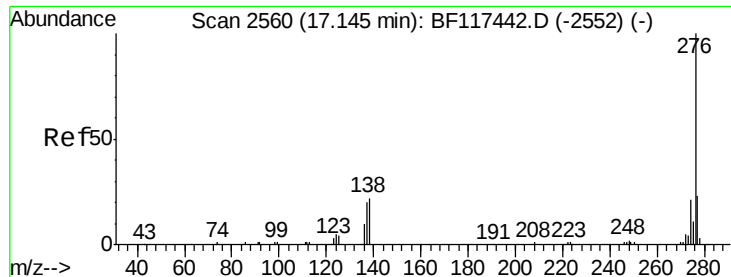
mohammad
10/30/2019 4:51:30 PM



#90
Benzo(a)pyrene
Concen: 14.196 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF117572.D
Acq: 28 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.3	24.5
125	14.0	9.2	13.8#





#92
 Benzo(a,h,i)perylene
 Concen: 6.964 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. 0.02 min
 Lab File: BF117572.D
 Acq: 28 Oct 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :
 177-44-(0-2.5)DL2

Tot Ion:	276	Resp:	25166
Ion Ratio		Lower	Upper
276	100		
277	23.8	18.4	27.6
138	25.7	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:51:30 PM

