

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118880.D
 Acq On : 10 Feb 2020 20:46
 Operator : CG/JU
 Sample : L1452-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TSB

Manual Integrations
 APPROVED

mohammad
 2/13/2020 10:28:56 AM

Quant Time: Feb 11 01:20:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	225456	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	881677	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	497583	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	888094	20.00	ng	0.00
76) Chrysene-d12	13.97	240	633084	20.00	ng	-0.01
87) Perylene-d12	15.43	264	701106	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	655281	55.02	ng	0.00
7) Phenol-d6	6.45	99	783555	53.00	ng	0.00
23) Nitrobenzene-d5	7.37	82	518882	35.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	305282	51.28	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1257670	45.19	ng	-0.01
79) Terphenyl-d14	12.92	244	1239995	40.23	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.56	163	83115	2.453	ng	98
71) Phenanthrene	11.36	178	227405	5.204	ng	98
75) Fluoranthene	12.54	202	436143	9.142	ng	99
78) Pyrene	12.77	202	357936	8.241	ng	97
81) Benzo(a)anthracene	13.96	228	173450	4.604	ng	92
83) Chrysene	14.00	228	190362	5.035	ng	97
88) Benzo(b)fluoranthene	15.00	252	282534m	6.494	ng	
89) Benzo(k)fluoranthene	15.03	252	84025m	2.218	ng	
90) Benzo(a)pyrene	15.36	252	172174	4.624	ng	# 89
92) Benzo(g,h,i)perylene	17.31	276	70256	2.210	ng	# 87

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

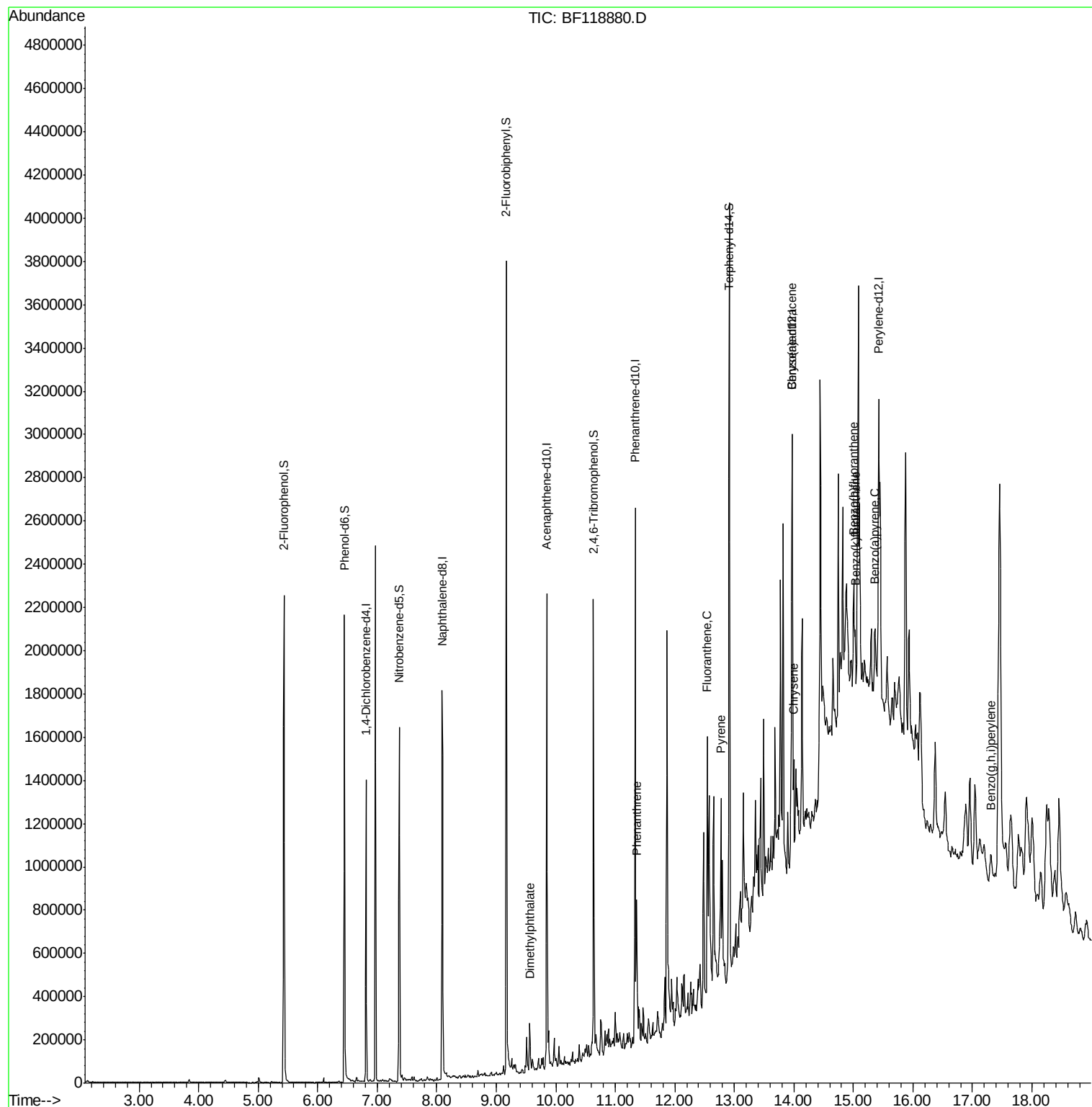
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
Data File : BF118880.D
Acq On : 10 Feb 2020 20:46
Operator : CG/JU
Sample : L1452-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

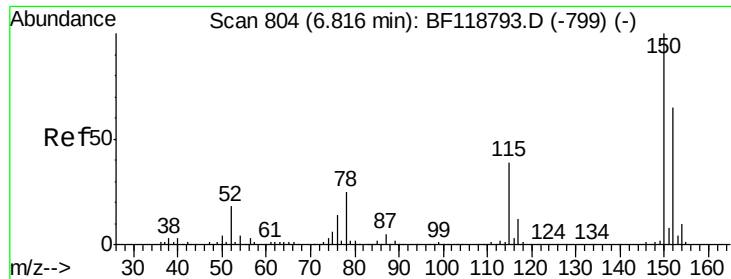
Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:56 AM

Quant Time: Feb 11 01:20:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





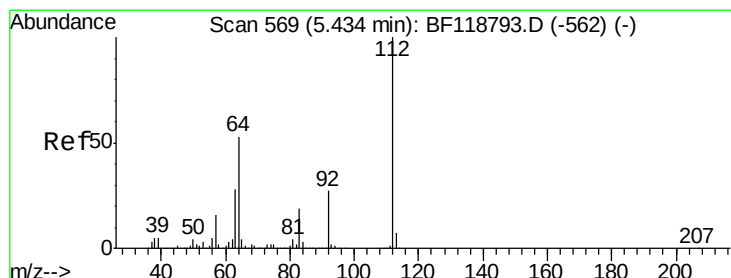
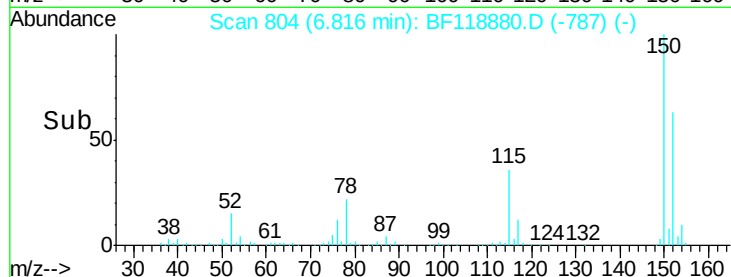
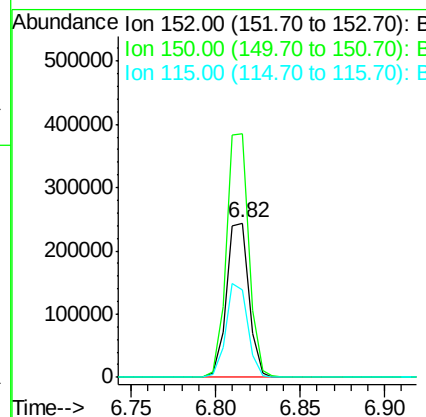
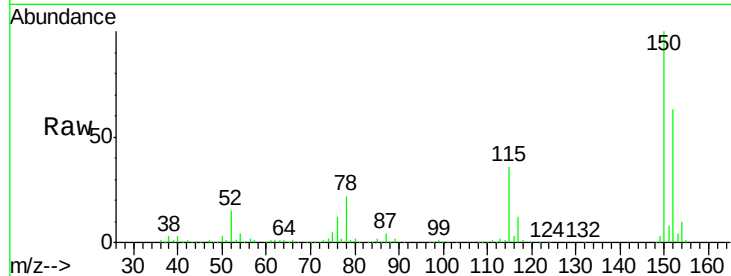
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TSB

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.6	185.4
115	57.0	48.2	72.2

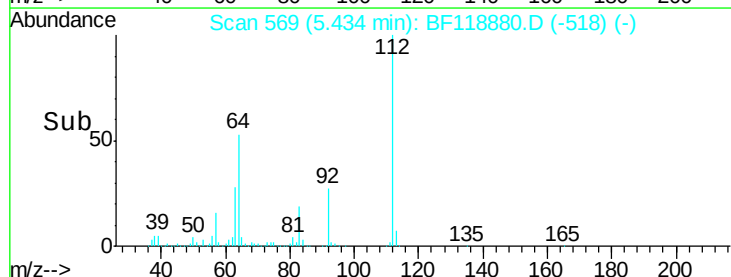
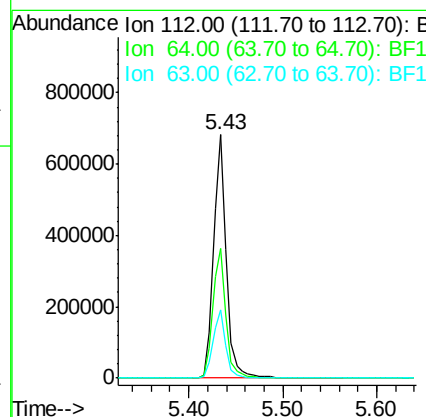
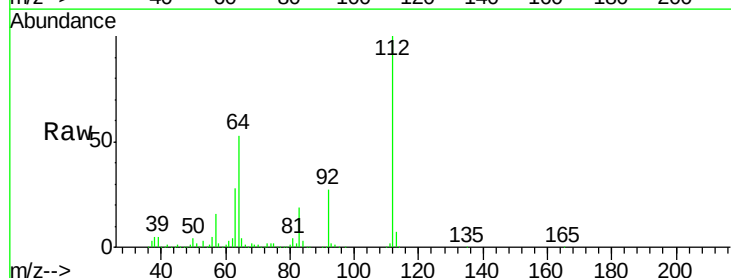
Manual Integrations
 APPROVED

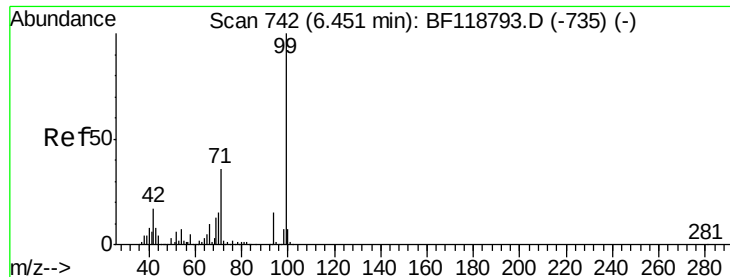
mohammad
 2/13/2020 10:28:56 AM



#5
 2-Fluorophenol
 Concen: 55.017 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.6	63.8
63	28.1	22.2	33.4





#7

Phenol-d6

Concen: 52.996 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Instrument :

BNA_F

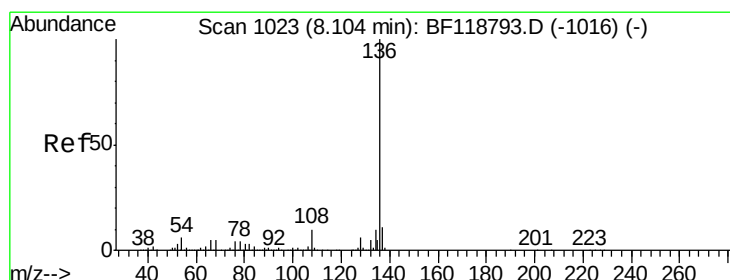
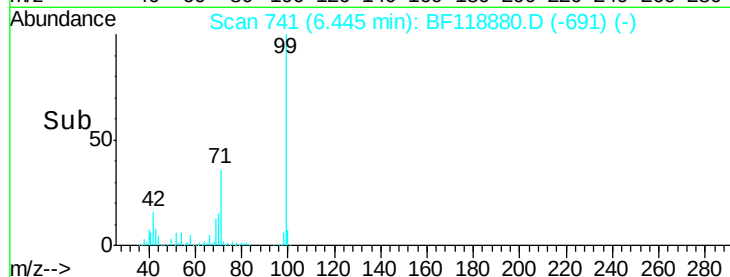
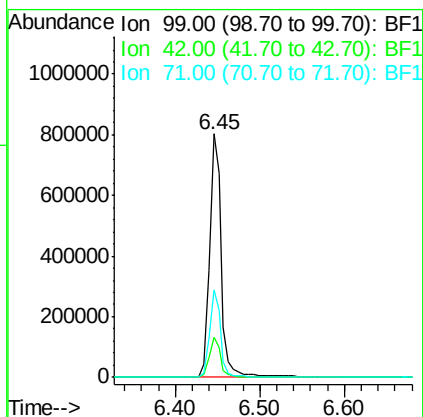
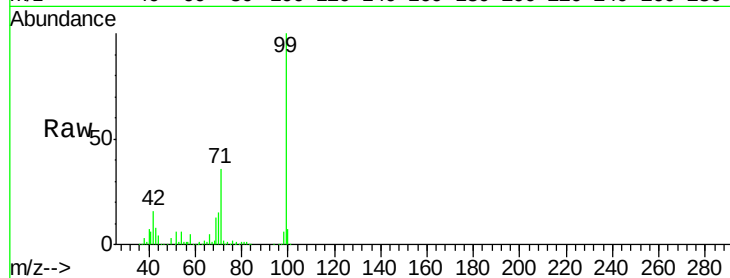
ClientSampleId :

SPARTA-TSB

Tot Ion:	99	Resp:	783555
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.4	20.0
71	36.0	29.0	43.6

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:56 AM



#21

Naphthalene-d8

Concen: 20.000 ng

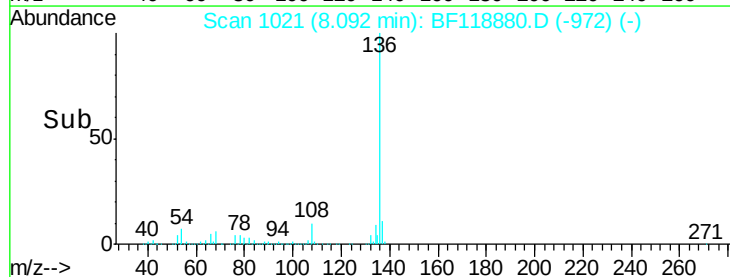
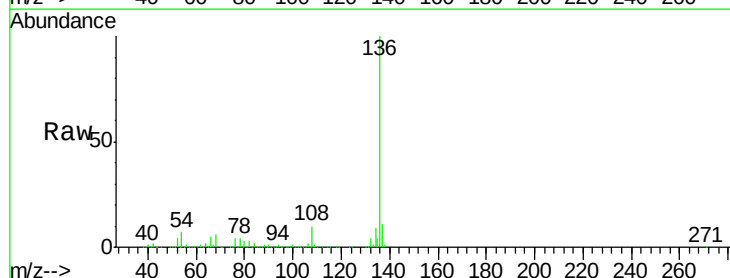
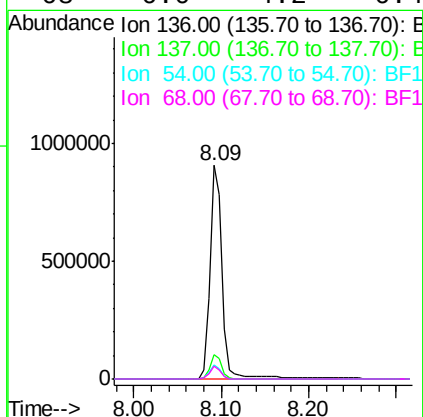
RT: 8.09 min Scan# 1021

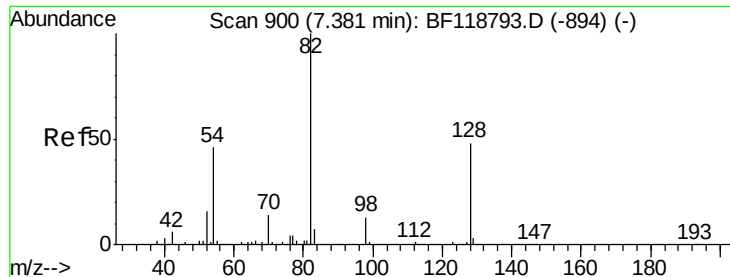
Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Tgt Ion:	136	Resp:	881677
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	6.8	5.0	7.6
68	6.0	4.2	6.4





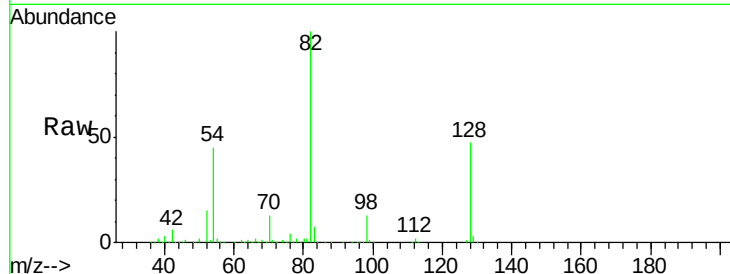
#23
Nitrobenzene-d5
Concen: 35.079 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

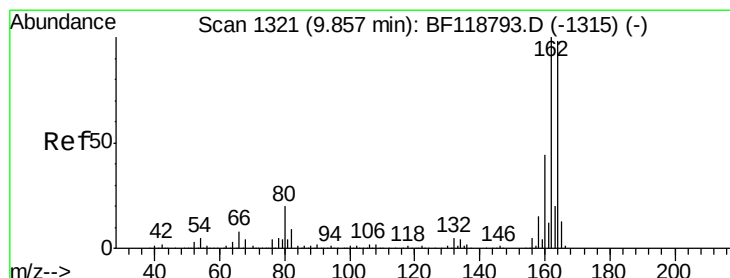
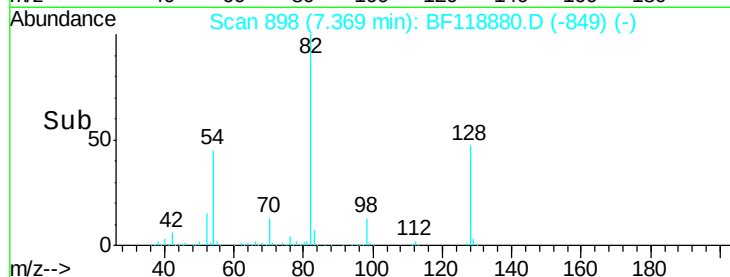
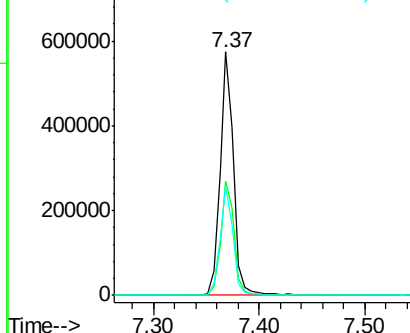
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	38.5	57.7	
54	44.9	36.7	55.1	

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:56 AM

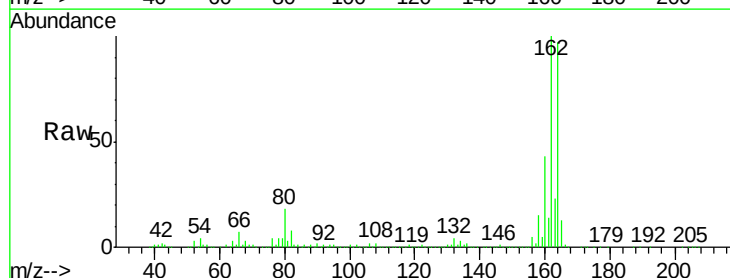


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

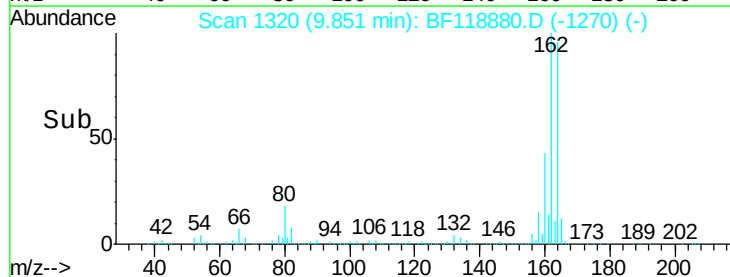
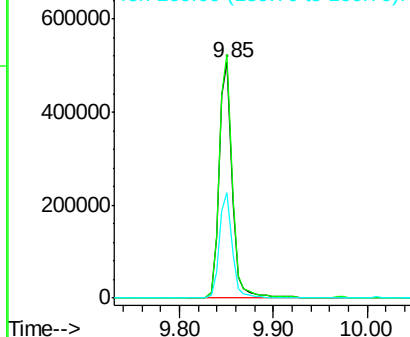


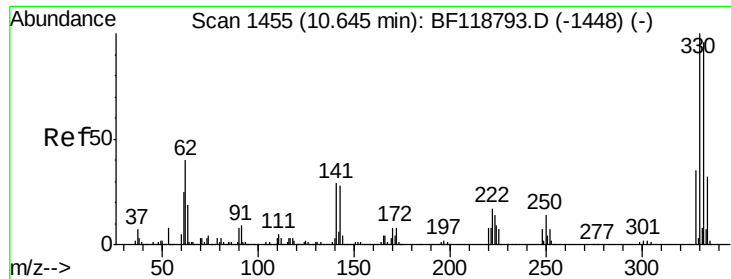
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	81.4	122.2	
160	44.7	35.6	53.4	



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





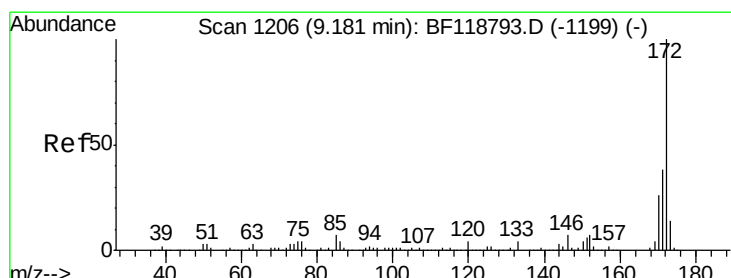
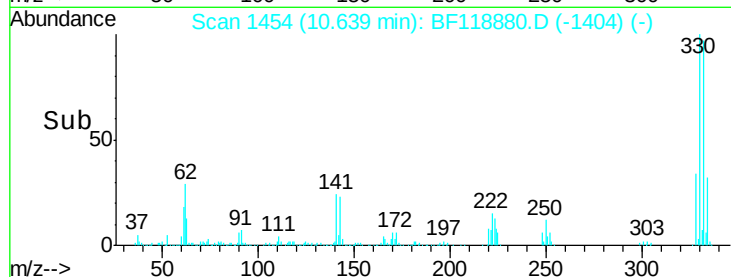
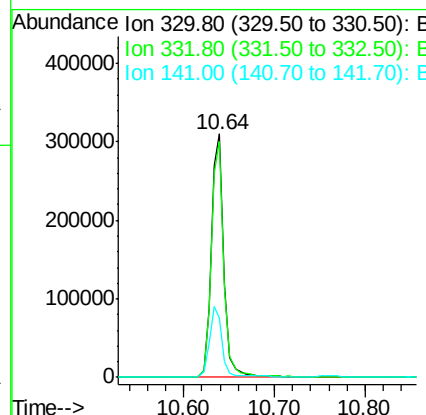
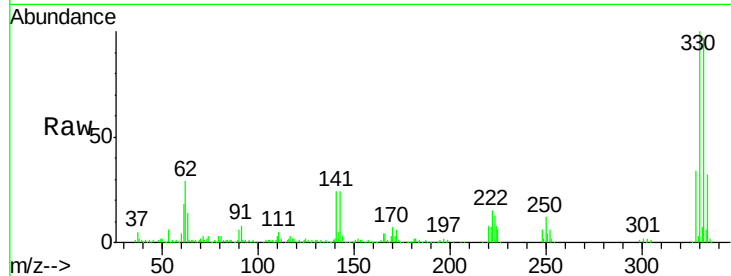
#42
 2,4,6-Tribromophenol
 Concen: 51.276 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TSB

Tot Ion	Ratio	Resp	Lower	Upper
330	100	305282		
332	96.1	77.3	115.9	
141	28.5	22.4	33.6	

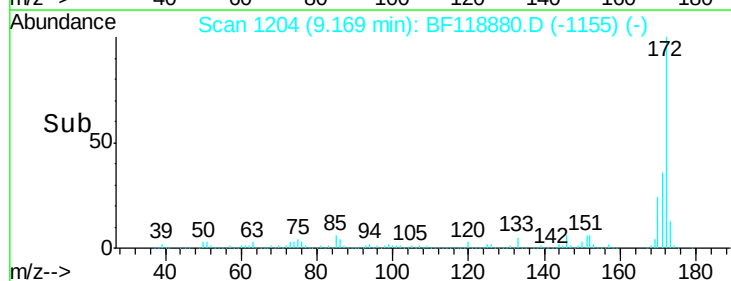
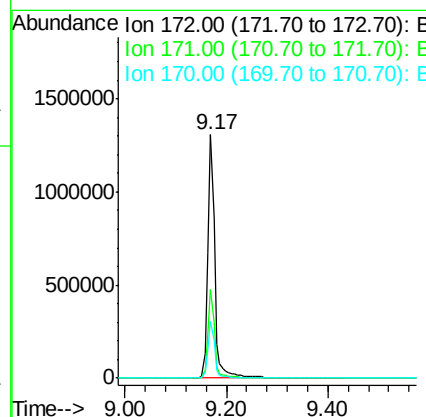
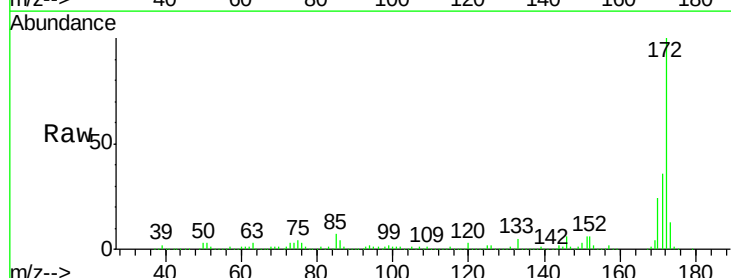
Manual Integrations
 APPROVED

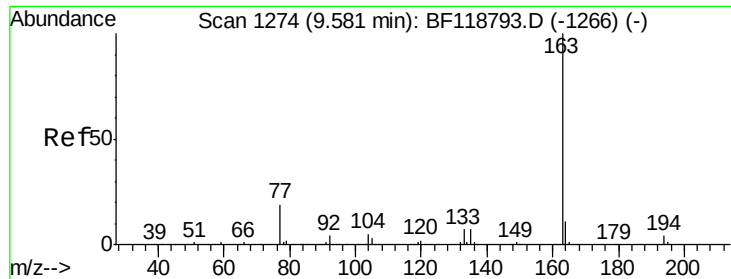
mohammad
 2/13/2020 10:28:56 AM



#45
 2-Fluorobiphenyl
 Concen: 45.185 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF118880.D
 Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1257670		
171	36.3	30.8	46.2	
170	23.5	20.5	30.7	





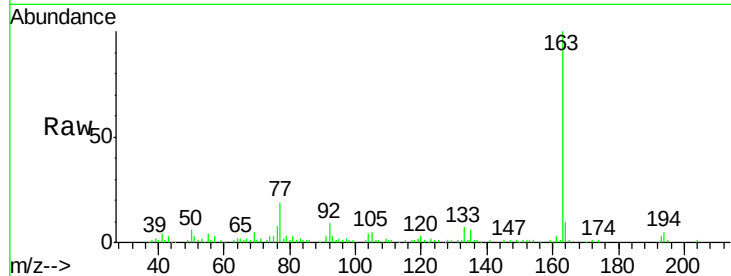
#50
Dimethylphthalate
Concen: 2.453 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

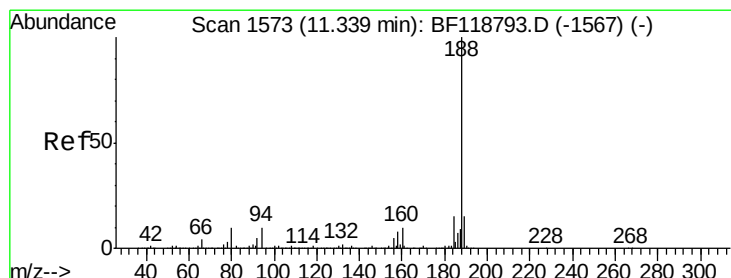
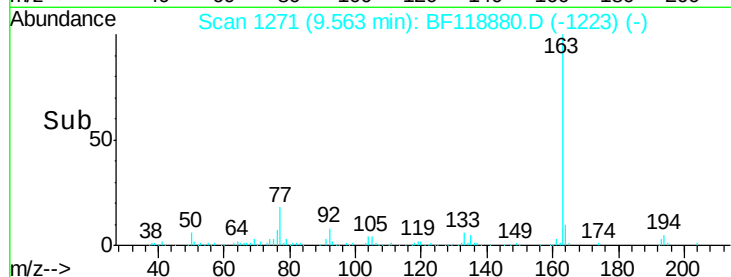
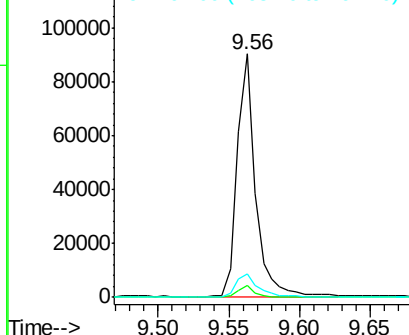
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.7	3.6	5.4
164	9.7	8.7	13.1

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:56 AM

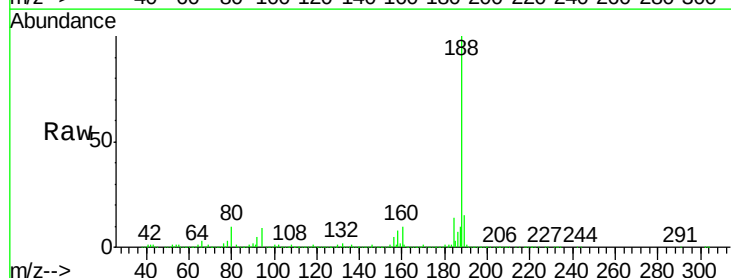


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

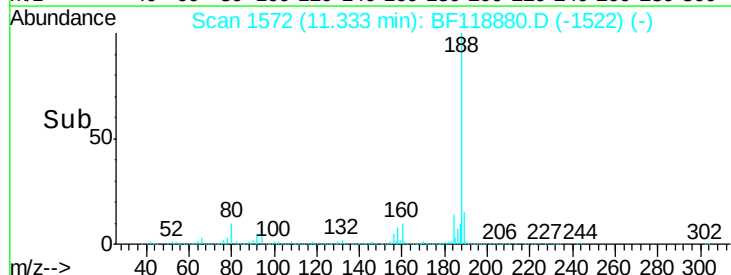
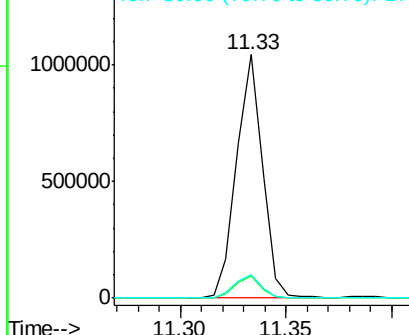


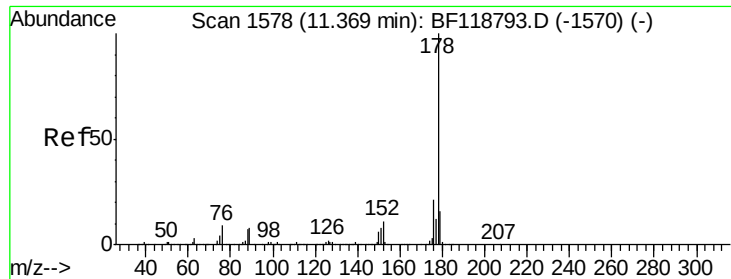
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	7.9	11.9
80	9.6	8.4	12.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





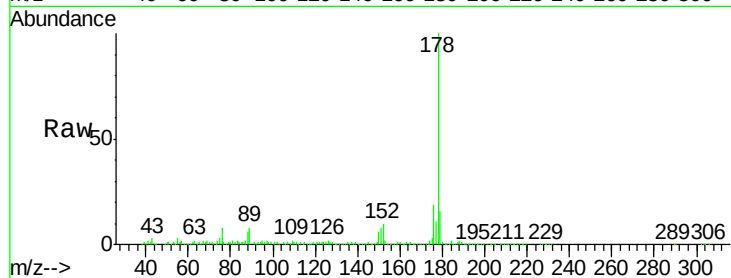
#71
Phenanthrene
Concen: 5.204 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

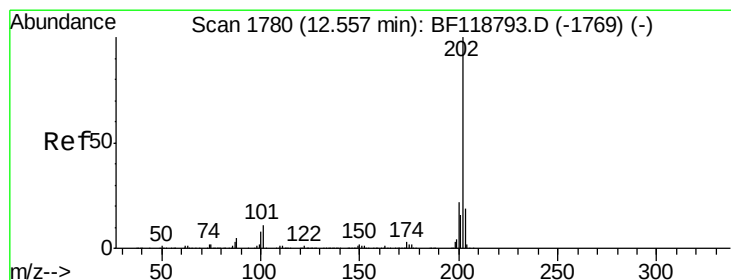
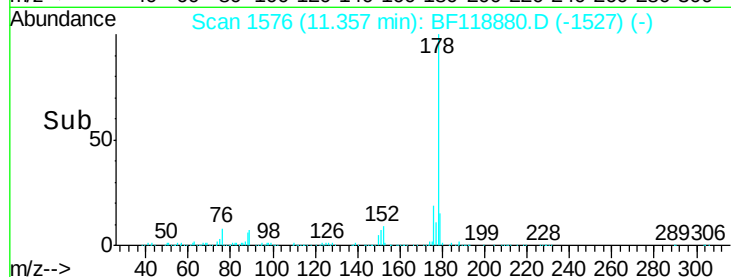
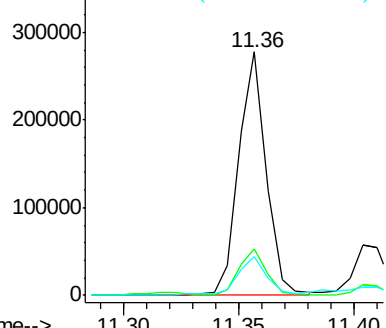
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.6	24.8
179	15.7	13.2	19.8

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:56 AM

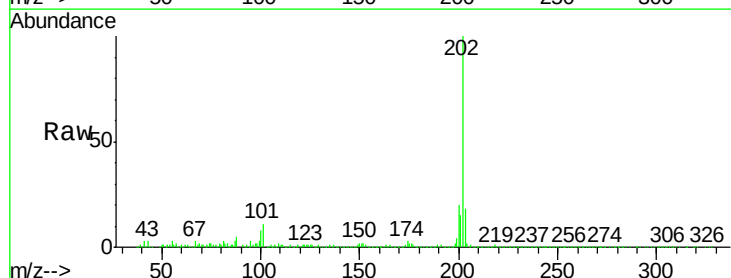


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

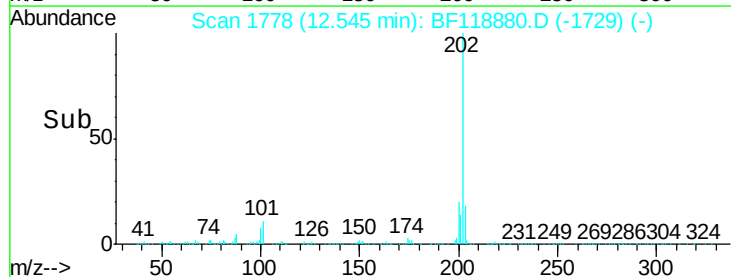
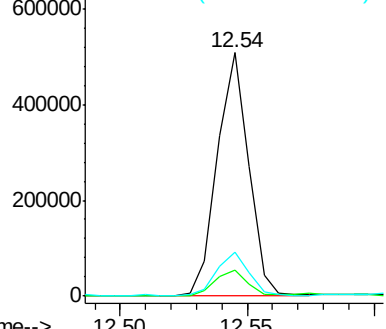


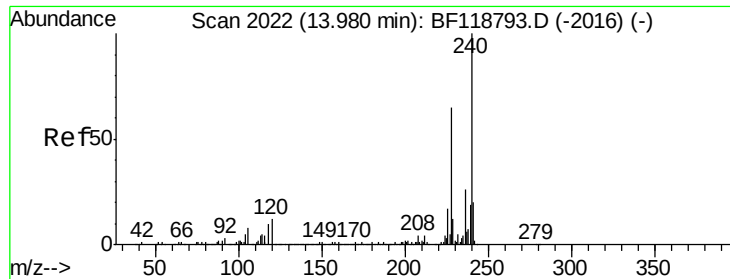
#75
Fluoranthene
Concen: 9.142 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.0
203	17.9	0.0	38.7



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





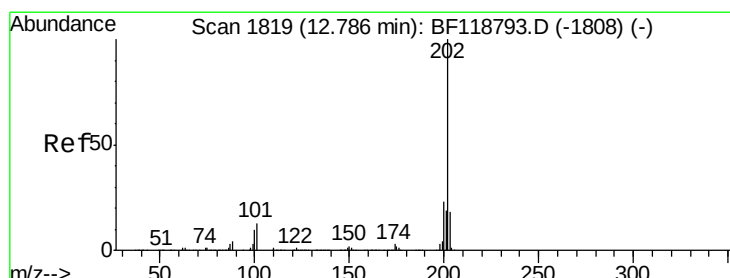
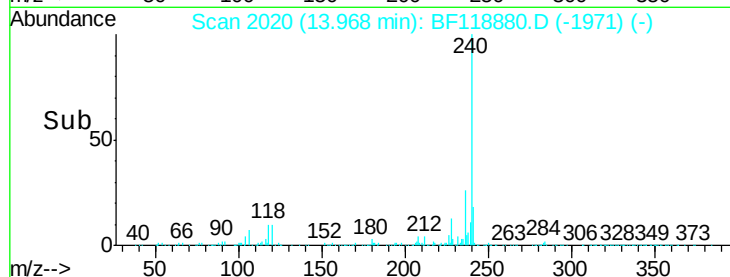
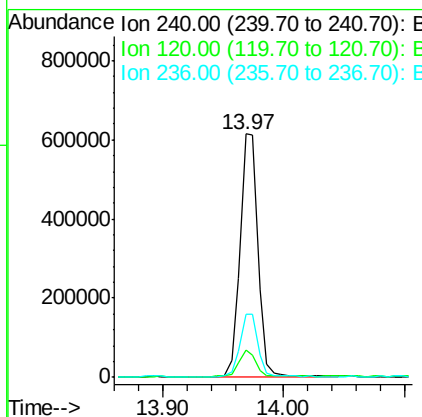
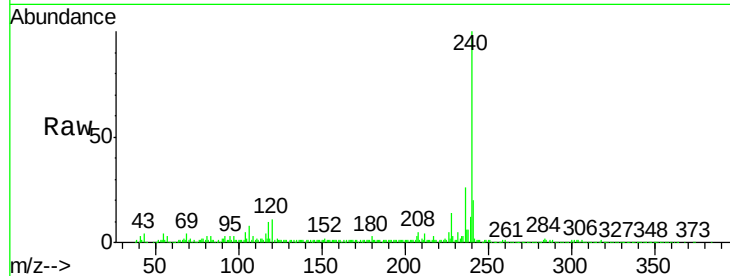
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.4	14.0
236	25.8	21.0	31.6

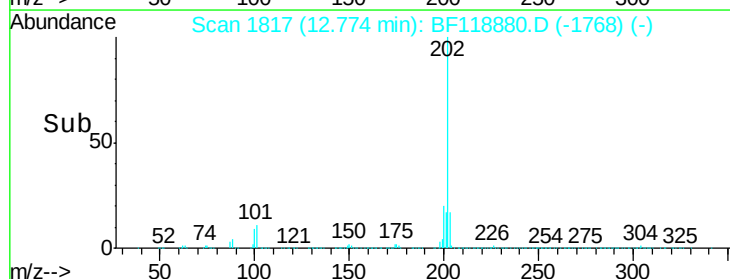
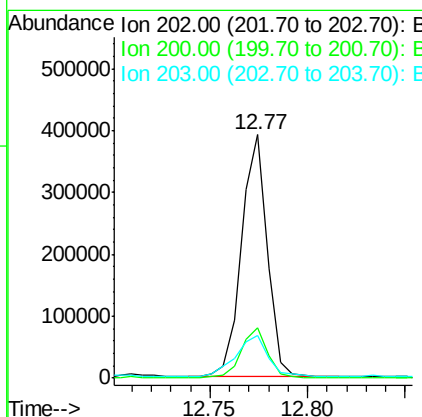
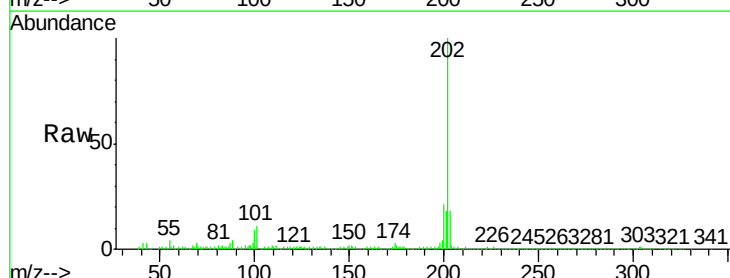
Manual Integrations
APPROVED

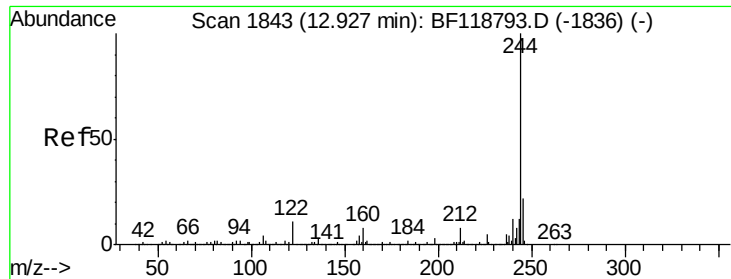
mohammad
2/13/2020 10:28:56 AM



#78
Pyrene
Concen: 8.241 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.2	27.2
203	17.6	14.8	22.2





#79

Terphenyl-d14

Concen: 40.232 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

Instrument :

BNA_F

ClientSampleId :

SPARTA-TSB

Tot Ion:244 Resp: 1239995

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

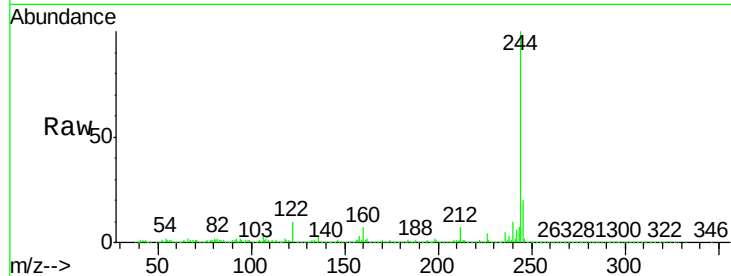
122 10.2 8.9 13.3

Manual Integrations

APPROVED

mohammad

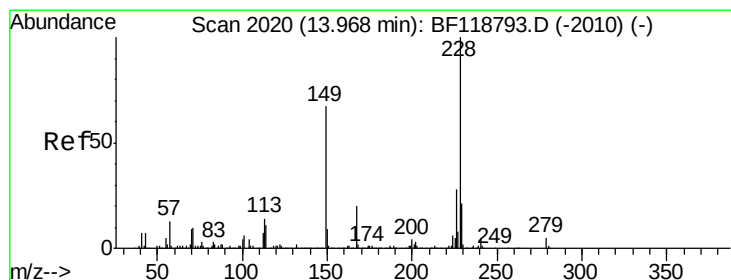
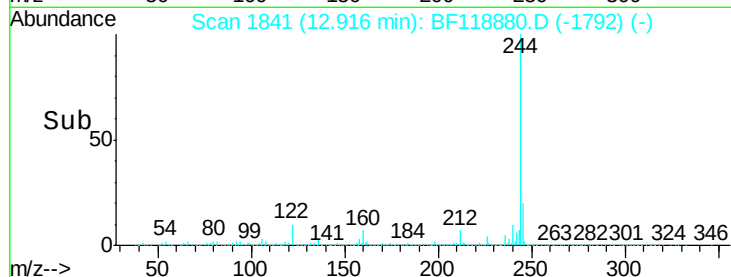
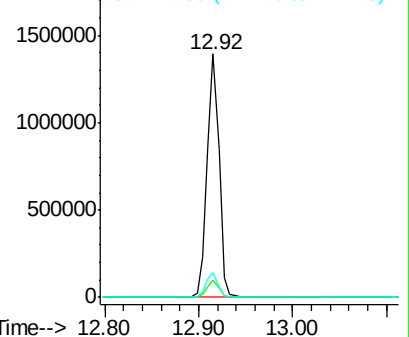
2/13/2020 10:28:56 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.604 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118880.D

Acq: 10 Feb 2020 20:46

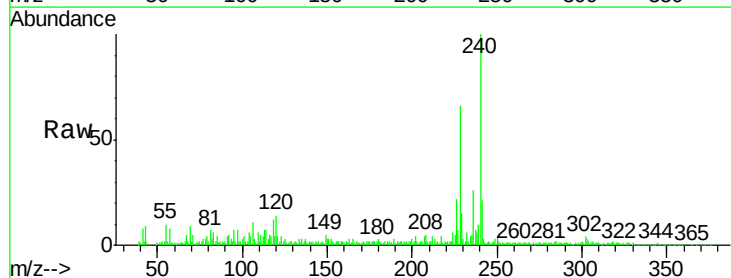
Tgt Ion:228 Resp: 173450

Ion Ratio Lower Upper

228 100

226 33.7 22.7 34.1

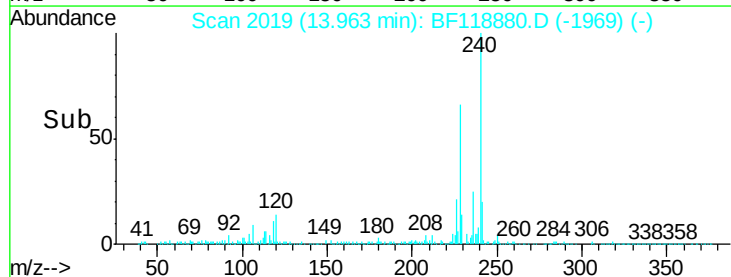
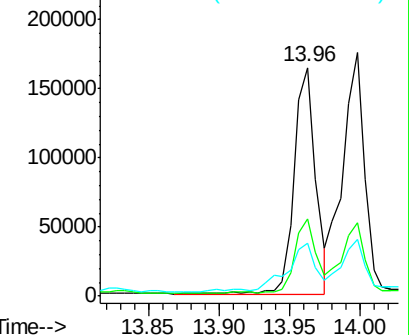
229 23.3 16.6 25.0

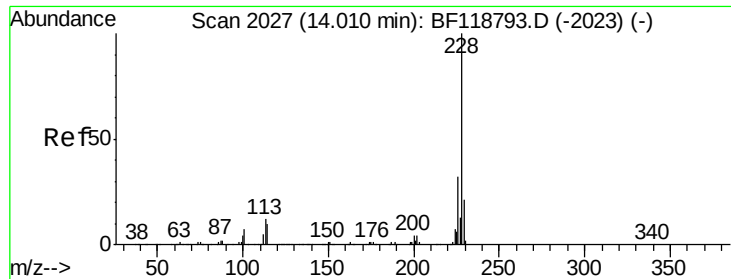


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





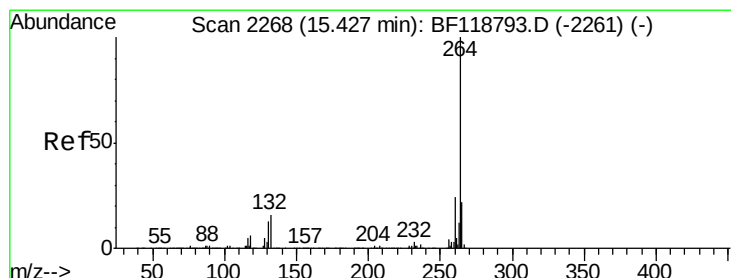
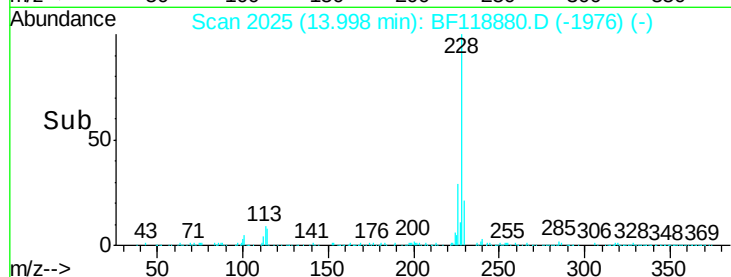
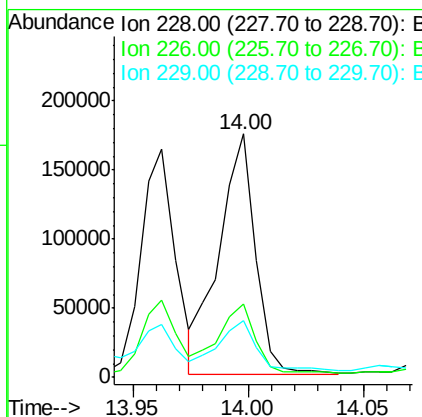
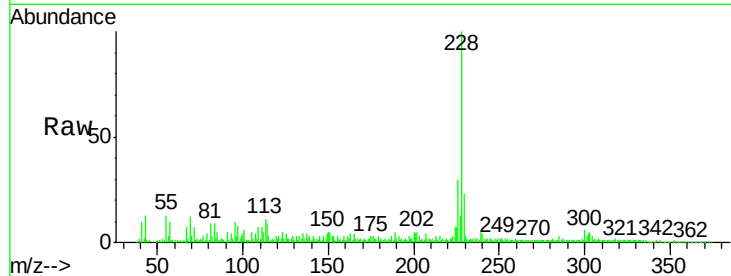
#83
Chrysene
Concen: 5.035 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

Tot Ion	Ratio	Resp	Lower	Upper
228	100	190362		
226	30.1	25.4	38.0	
229	23.0	16.9	25.3	

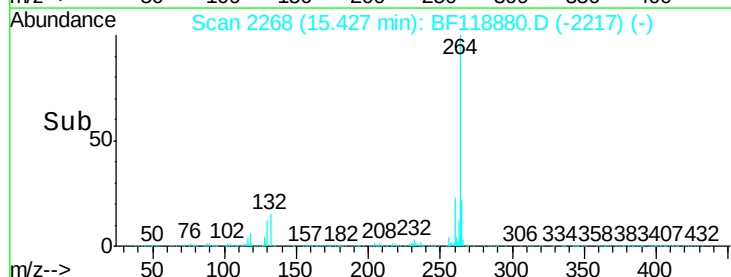
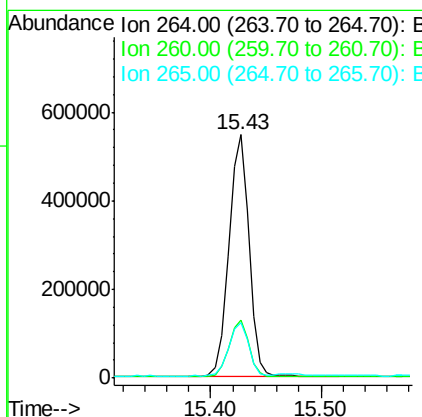
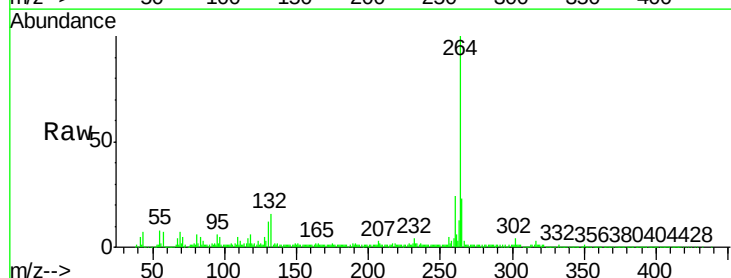
Manual Integrations
APPROVED

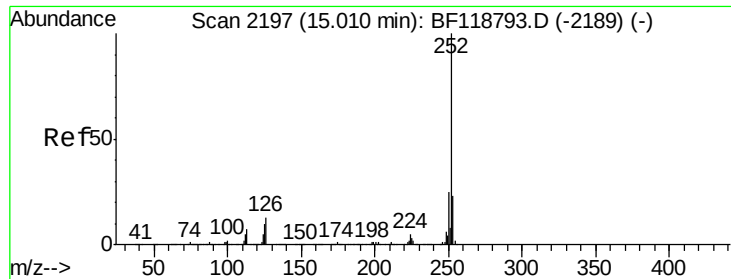
mohammad
2/13/2020 10:28:56 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.00 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	701106		
260	23.7	19.1	28.7	
265	22.9	17.2	25.8	





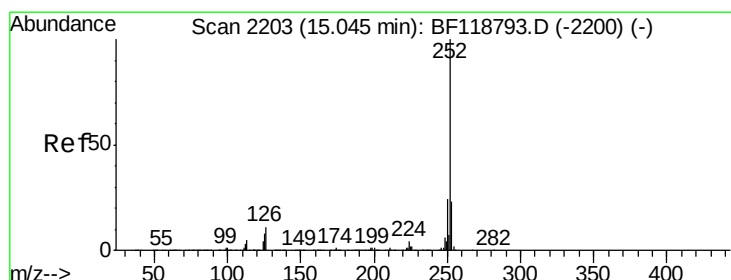
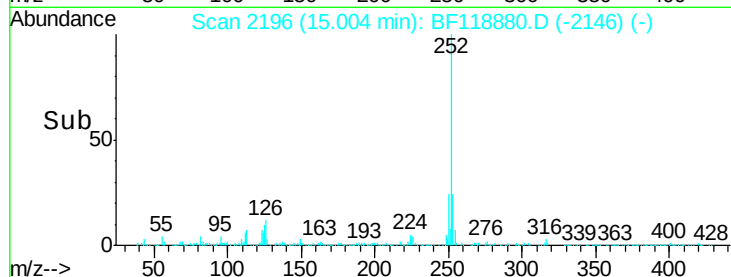
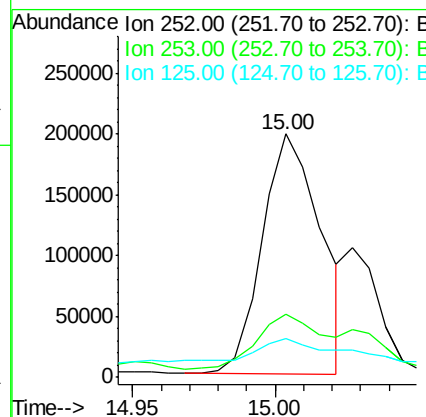
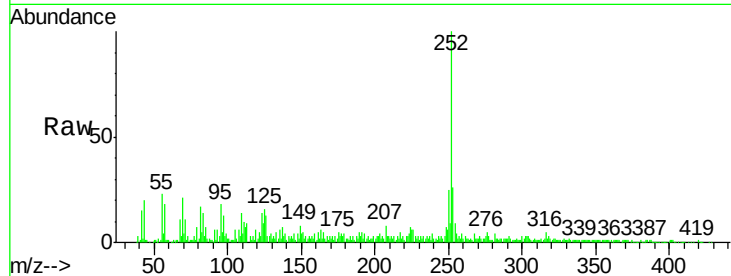
#88
Benzo(b)fluoranthene
Concen: 6.494 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.4	27.6
125	15.7	8.1	12.1

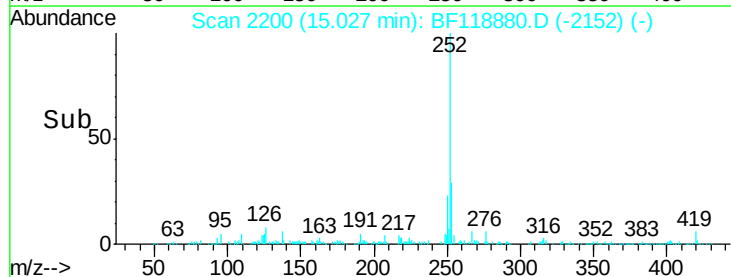
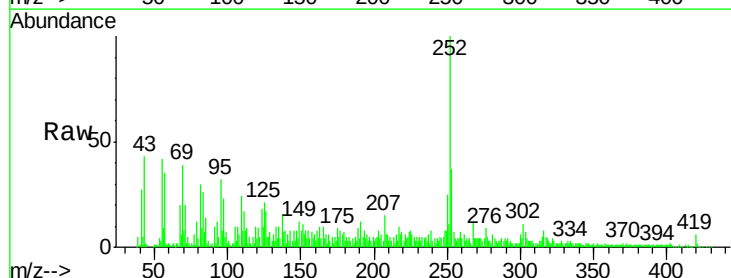
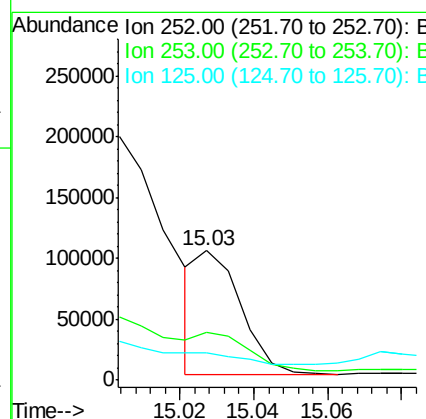
Manual Integrations
APPROVED

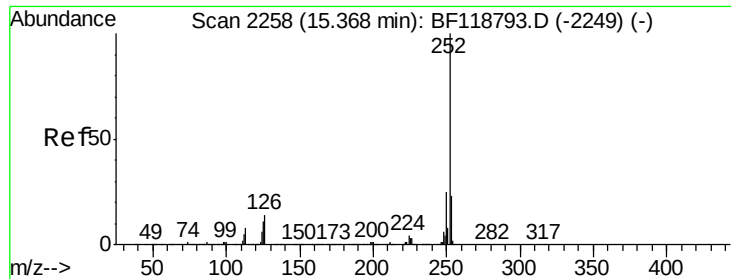
mohammad
2/13/2020 10:28:56 AM



#89
Benzo(k)fluoranthene
Concen: 2.218 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.1	18.2	27.4
125	20.7	7.0	10.6





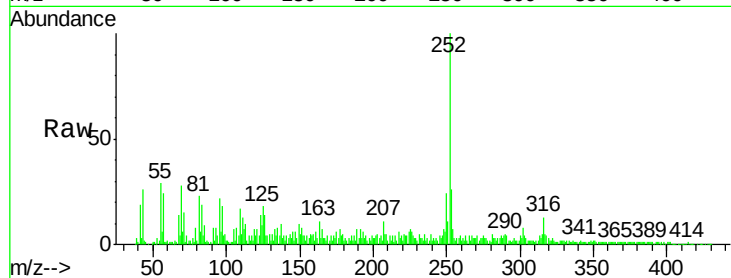
#90
Benzo(a)pyrene
Concen: 4.624 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Instrument :
BNA_F
ClientSampleId :
SPARTA-TSB

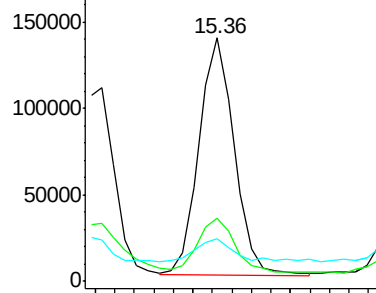
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	17.6	8.7	13.1

Manual Integrations
APPROVED

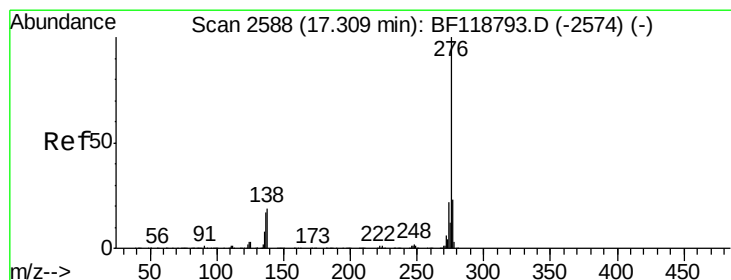
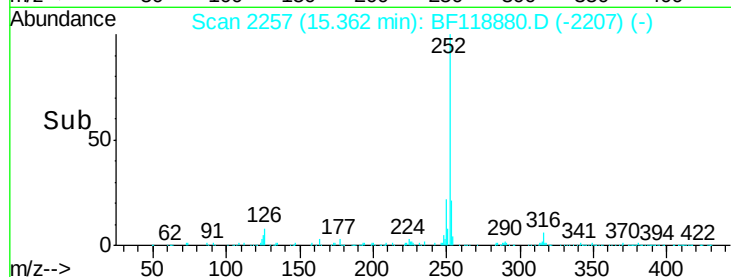
mohammad
2/13/2020 10:28:56 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

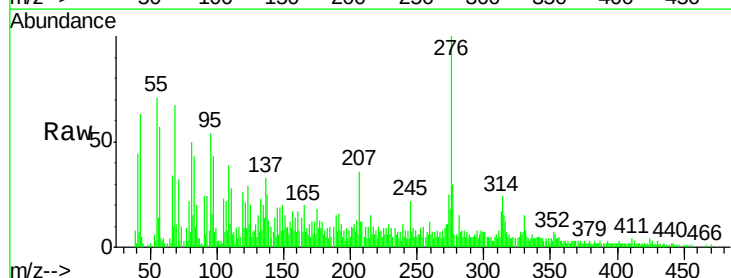


Time--> 15.30 15.35 15.40

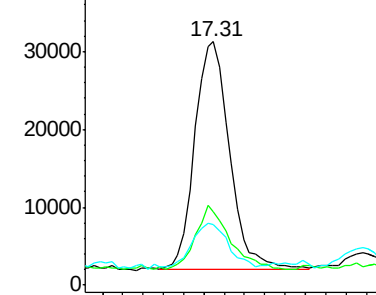


#92
Benzo(g,h,i)perylene
Concen: 2.210 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.00 min
Lab File: BF118880.D
Acq: 10 Feb 2020 20:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.0	18.7	28.1
138	25.1	15.4	23.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E



Time--> 17.20 17.30 17.40

