

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
 Data File : BF121868.D
 Acq On : 7 Oct 2020 12:18
 Operator : JU/CG
 Sample : L4190-17 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Manual Integrations
 APPROVED

mohammad
 10/8/2020 12:29:06 PM

Quant Time: Oct 07 13:03:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	134658	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	530730	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	262904	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	437447	20.00	ng	-0.01
76) Chrysene-d12	13.93	240	308385	20.00	ng	0.00
86) Perylene-d12	15.37	264	302398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	352713	38.93	ng	0.00
7) Phenol-d6	6.40	99	446826	37.59	ng	-0.01
23) Nitrobenzene-d5	7.33	82	301229	30.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	99445	30.43	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	528238	30.43	ng	-0.01
79) Terphenyl-d14	12.87	244	413396	27.16	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.52	163	44698	2.346	ng	99
71) Phenanthrene	11.31	178	148798	6.243	ng	98
75) Fluoranthene	12.50	202	151008	5.935	ng	96
78) Pyrene	12.73	202	133724	5.935	ng	97
81) Benzo(a)anthracene	13.92	228	64051	3.283	ng	98
83) Chrysene	13.95	228	56292	2.849	ng	98
88) Benzo(b)fluoranthene	14.95	252	65589m	3.244	ng	
90) Benzo(a)pyrene	15.31	252	49878	2.903	ng	# 90
92) Benzo(g,h,i)perylene	17.22	276	32541	2.019	ng	# 91

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

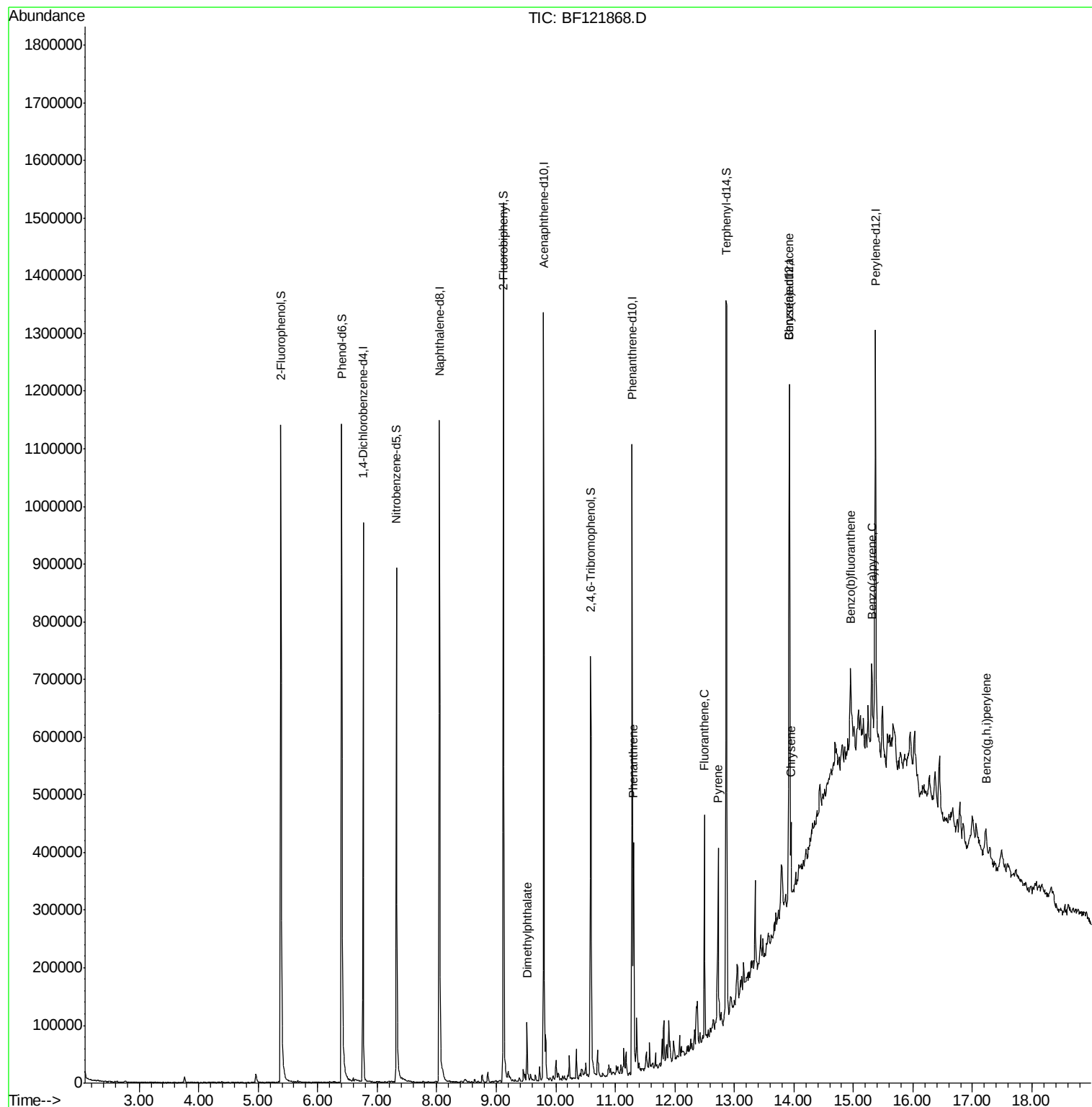
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100720\
Data File : BF121868.D
Acq On : 7 Oct 2020 12:18
Operator : JU/CG
Sample : L4190-17 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

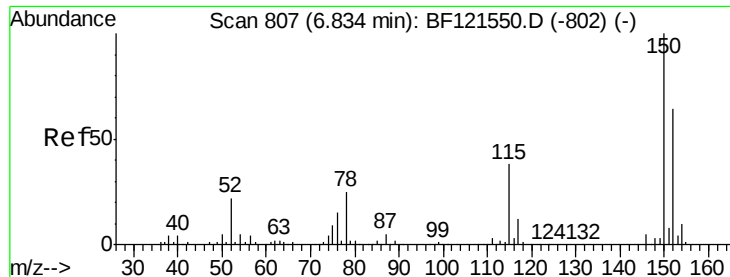
Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM

Quant Time: Oct 07 13:03:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

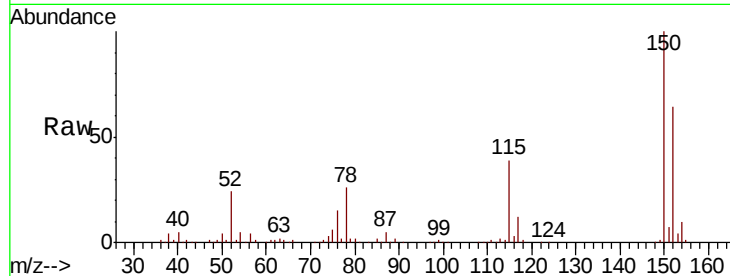
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.3	187.9
115	61.5	51.9	77.9

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM

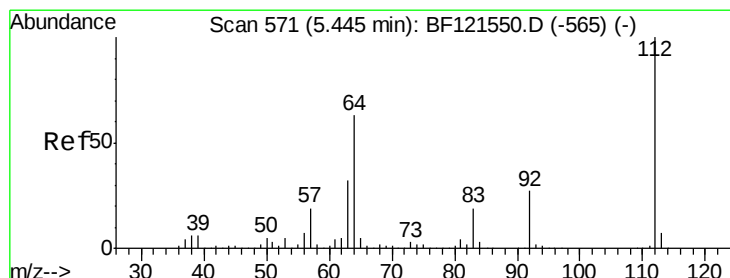
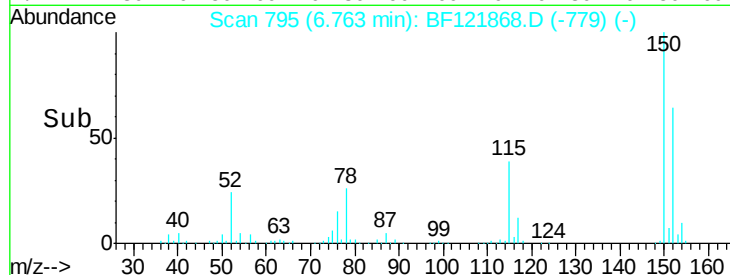
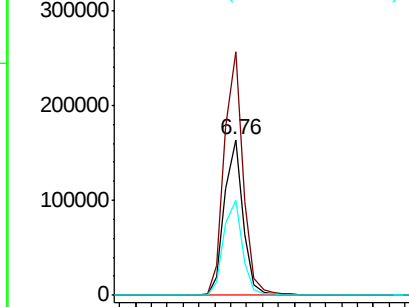


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

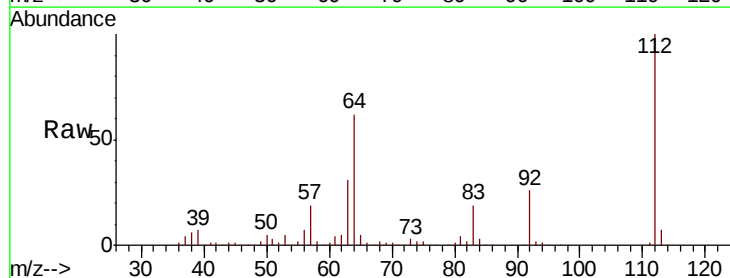
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.926 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	50.4	75.6
63	31.1	25.8	38.6

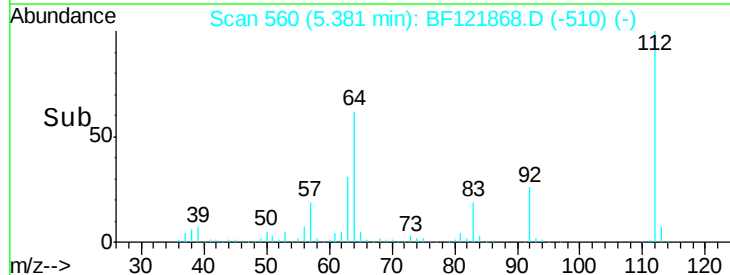
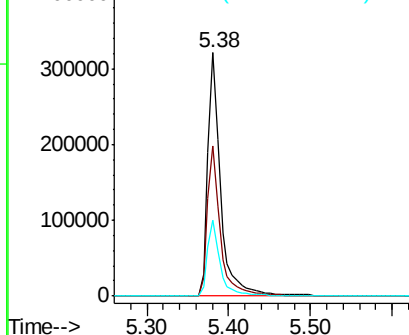


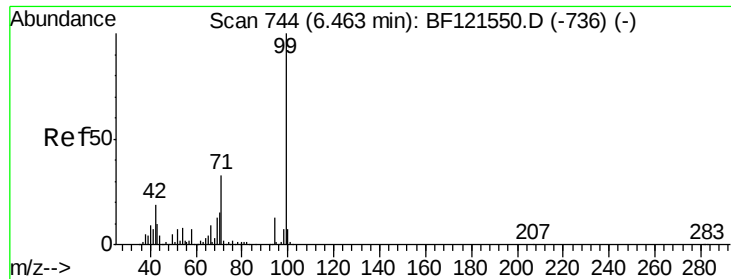
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 37.588 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121868.D

Acq: 7 Oct 2020 12:18

Instrument :

BNA_F

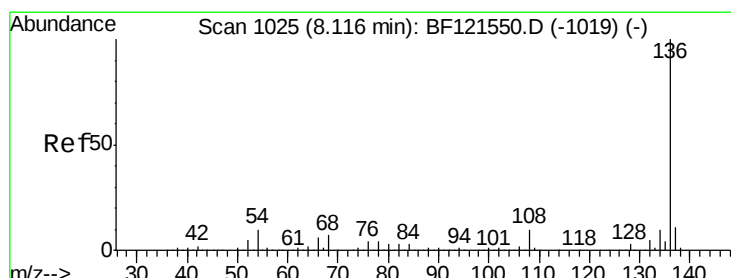
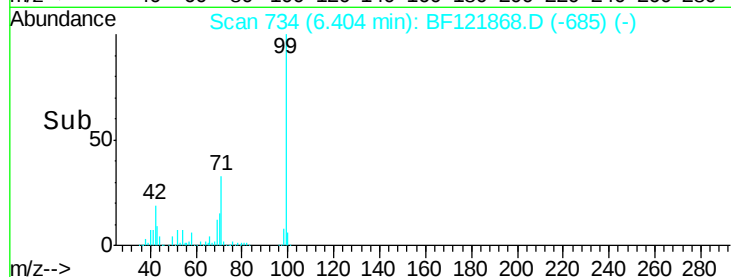
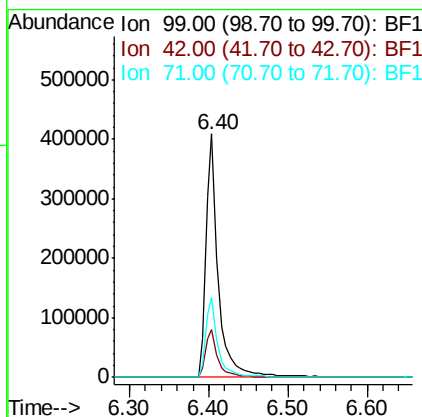
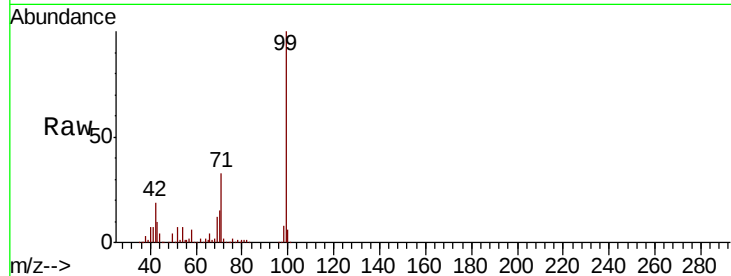
ClientSampleId :

PAV-B18-092920-DP

Tot Ion:	99	Resp:	446826
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.9	23.9
71	32.8	27.1	40.7

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM



#21

Naphthalene-d8

Concen: 20.000 ng

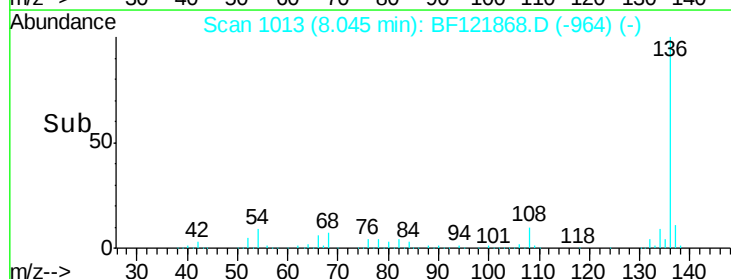
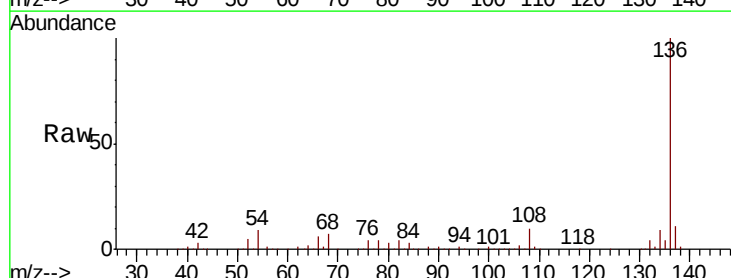
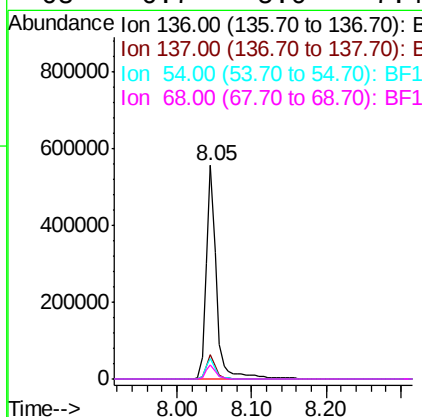
RT: 8.05 min Scan# 1013

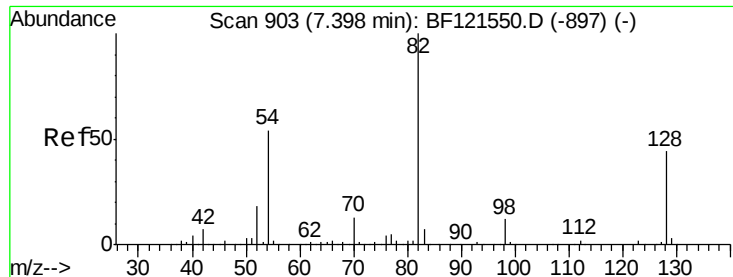
Delta R.T. -0.01 min

Lab File: BF121868.D

Acq: 7 Oct 2020 12:18

Tgt Ion:	136	Resp:	530730
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	9.4	7.1	10.7
68	6.7	5.0	7.4





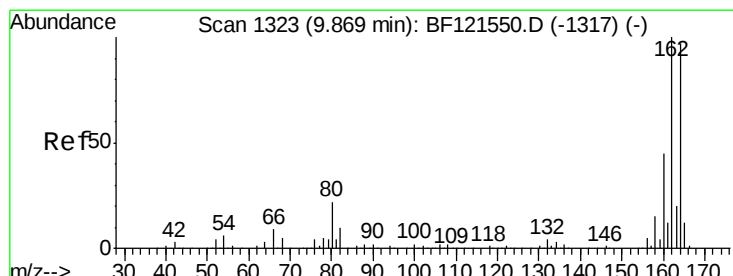
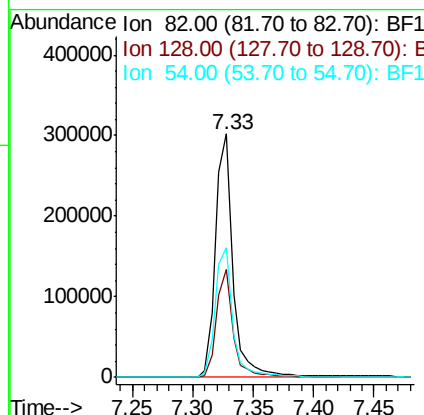
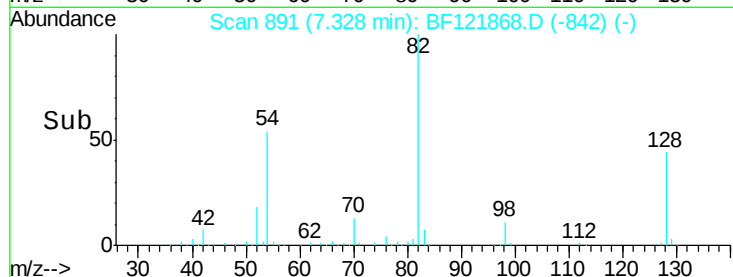
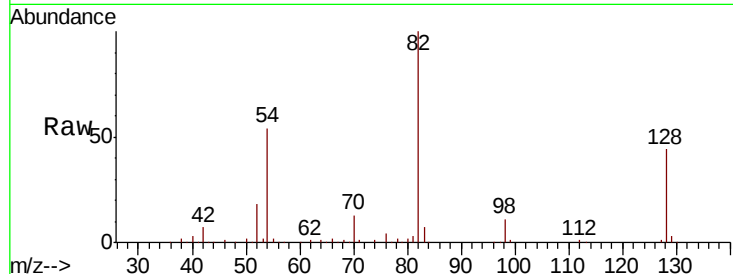
#23
 Nitrobenzene-d5
 Concen: 30.474 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF121868.D
 Acq: 7 Oct 2020 12:18

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Tot Ion:	82	Resp:	301229
Ion Ratio	Lower	Upper	
82	100		
128	44.4	35.0	52.4
54	53.5	43.9	65.9

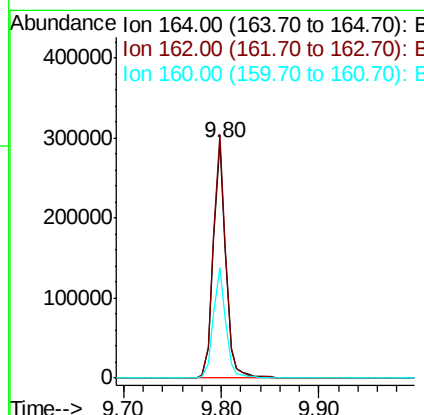
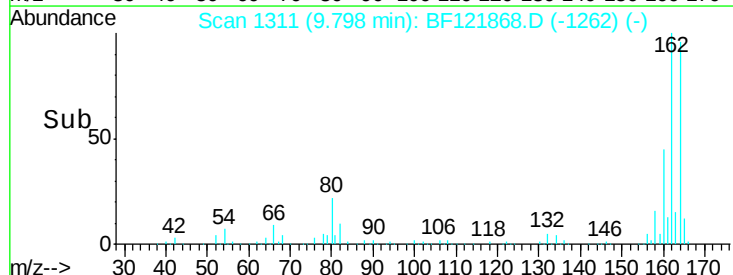
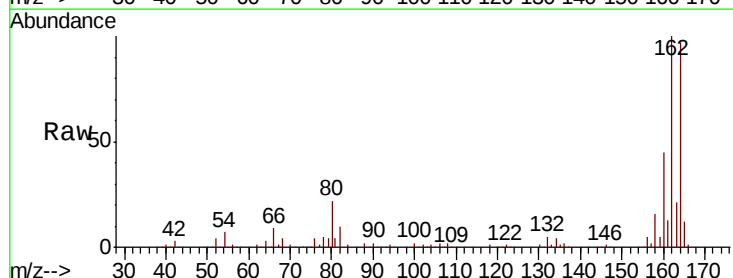
Manual Integrations
 APPROVED

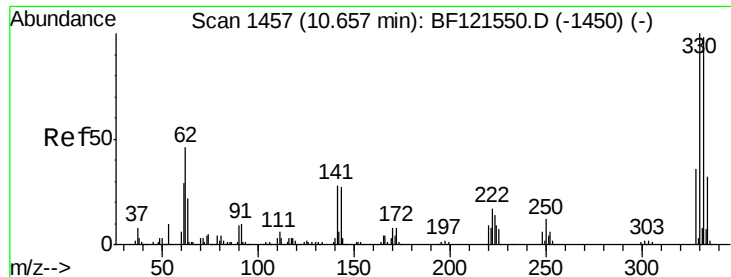
mohammad
 10/8/2020 12:29:06 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF121868.D
 Acq: 7 Oct 2020 12:18

Tgt Ion:	164	Resp:	262904
Ion Ratio	Lower	Upper	
164	100		
162	103.4	83.2	124.8
160	46.7	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 30.434 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121868.D

Acq: 7 Oct 2020 12:18

Instrument :

BNA_F

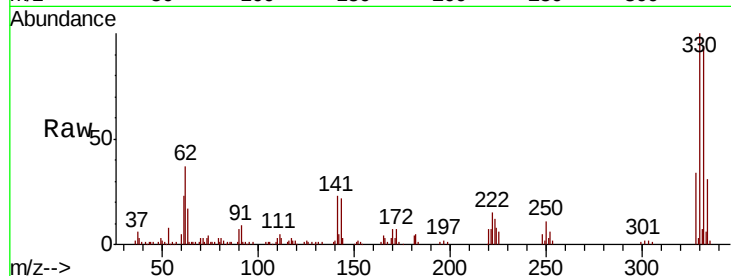
ClientSampleId :

PAV-B18-092920-DP

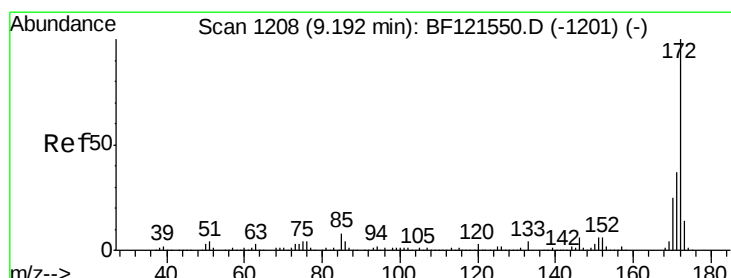
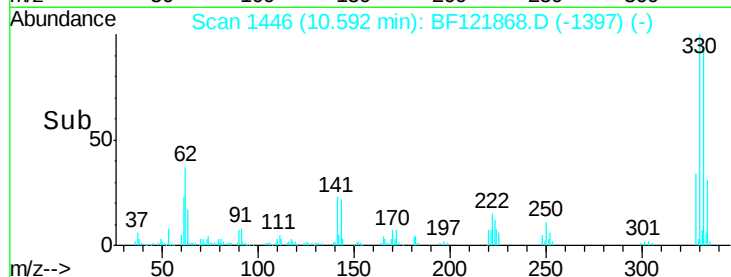
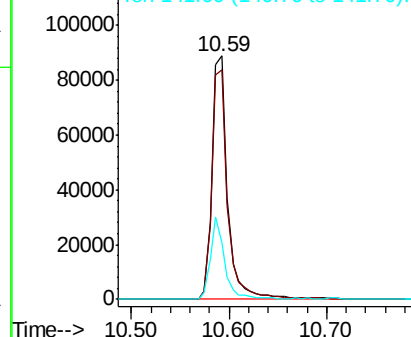
Tot Ion:	330	Resp:	99445
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.3	115.9
141	31.0	22.3	33.5

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM



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: 30.431 ng

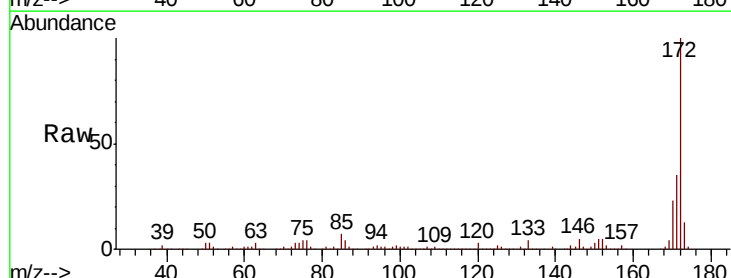
RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

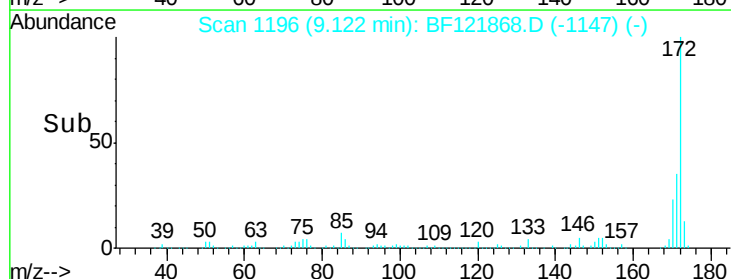
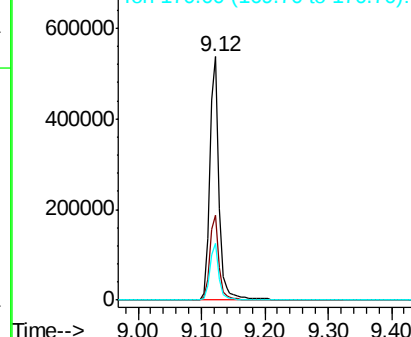
Lab File: BF121868.D

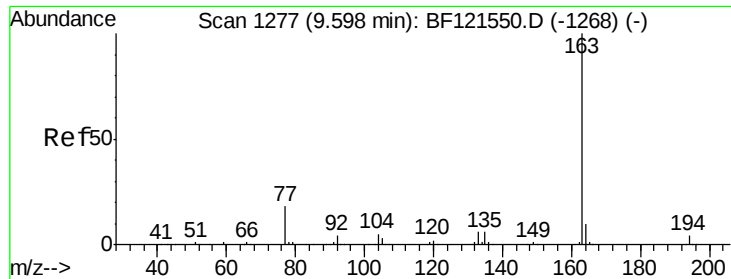
Acq: 7 Oct 2020 12:18

Tgt Ion:	172	Resp:	528238
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.1	43.7
170	23.5	19.8	29.6



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





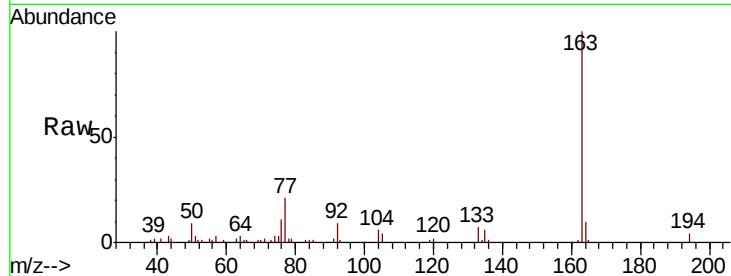
#50
Dimethylphthalate
Concen: 2.346 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

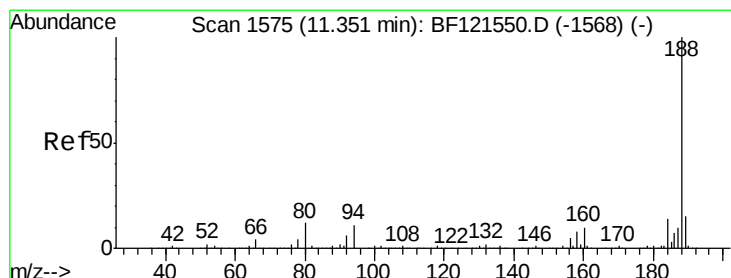
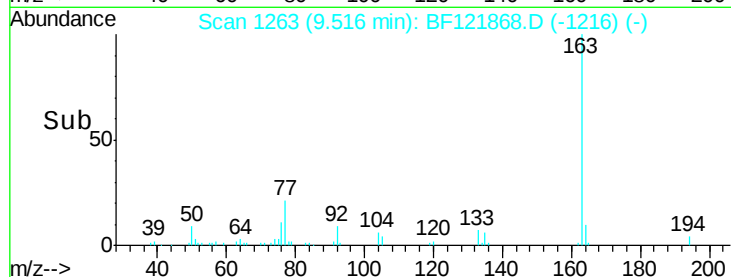
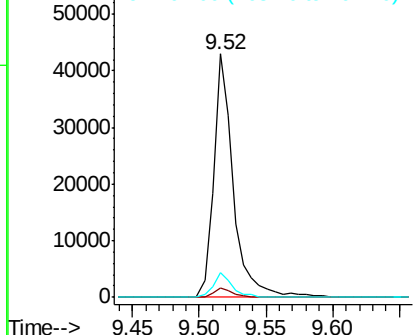
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.2	12.4

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM

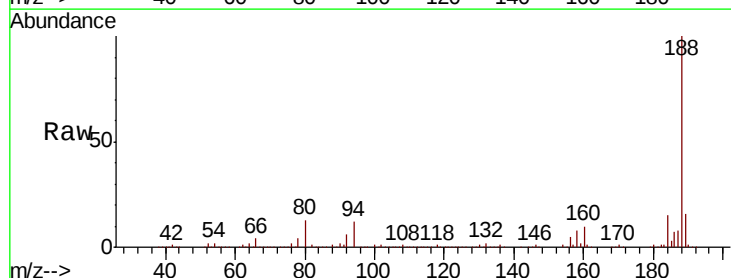


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

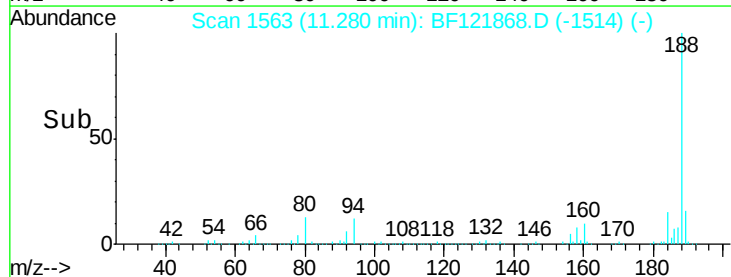
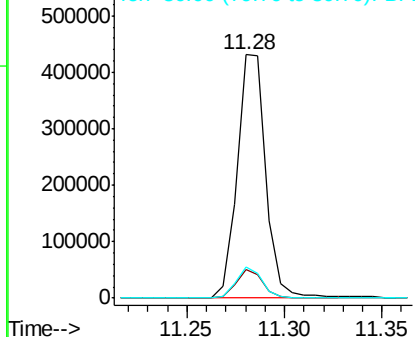


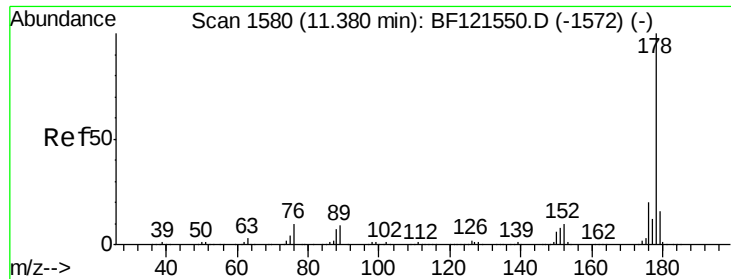
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.3	12.5
80	12.8	9.1	13.7



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





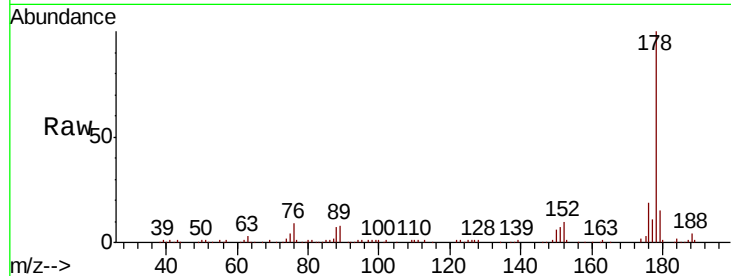
#71
Phenanthrene
Concen: 6.243 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.0	12.2	18.4

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM

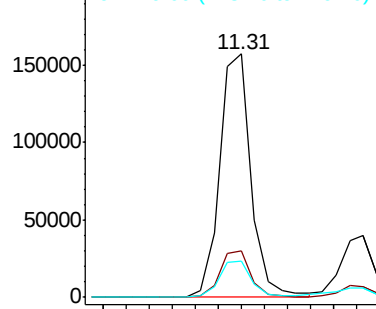


Abundance

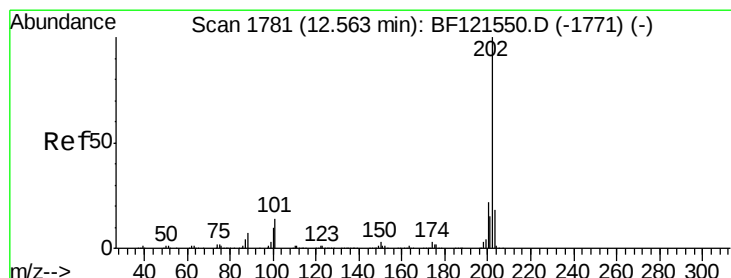
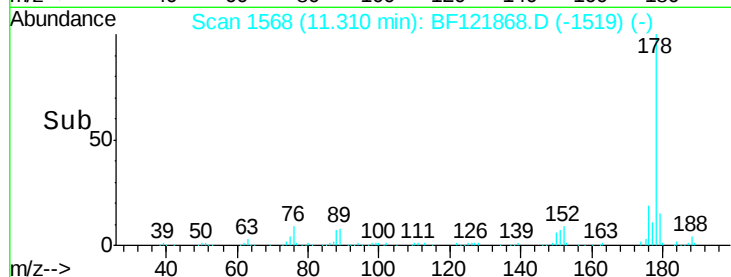
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

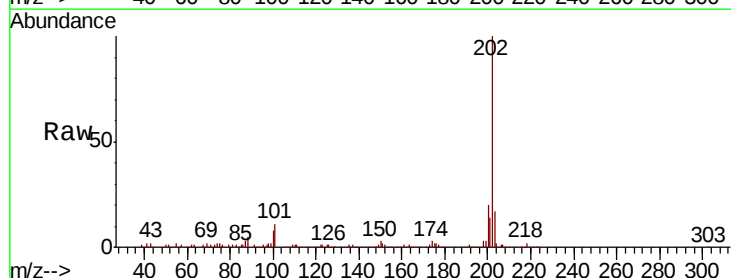


Time--> 11.25 11.30 11.35



#75
Fluoranthene
Concen: 5.935 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	33.4
203	16.8	0.0	37.9

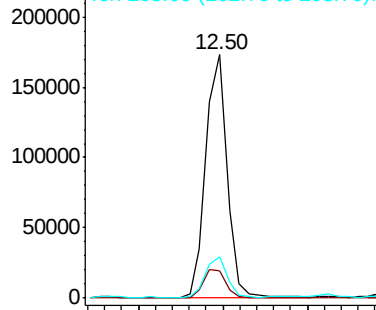


Abundance

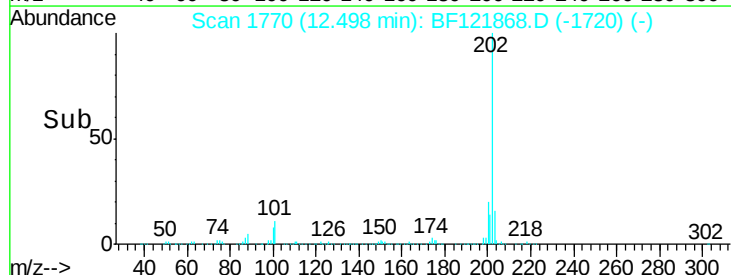
Ion 202.00 (201.70 to 202.70): E

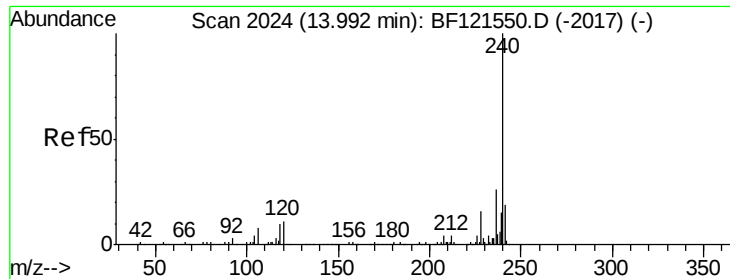
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.45 12.50 12.55





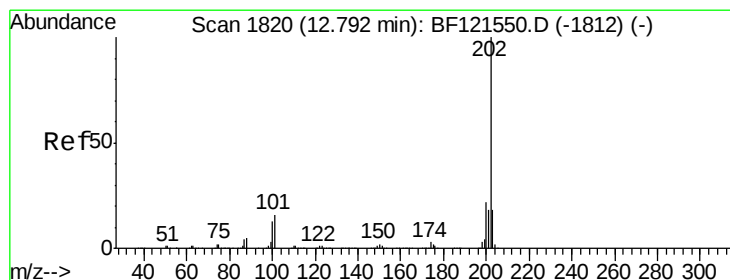
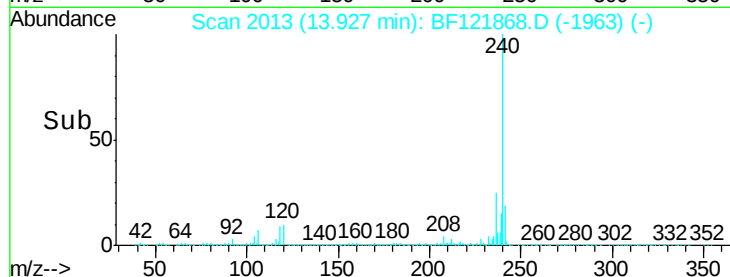
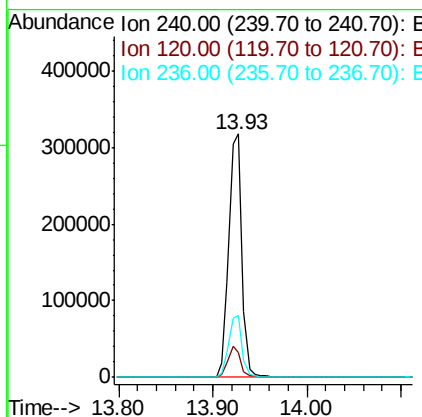
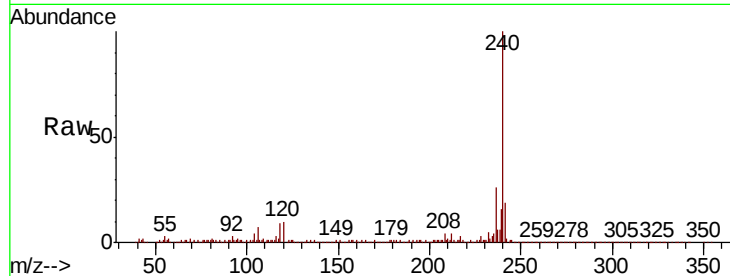
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.2	13.8
236	25.6	20.9	31.3

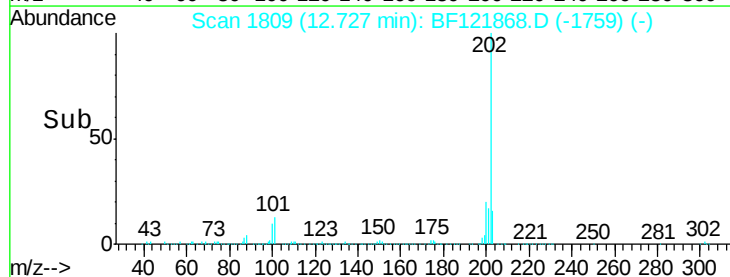
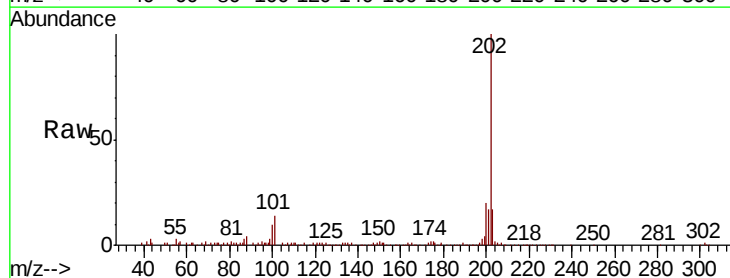
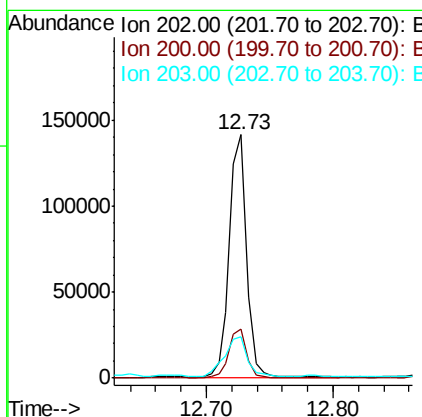
Manual Integrations
APPROVED

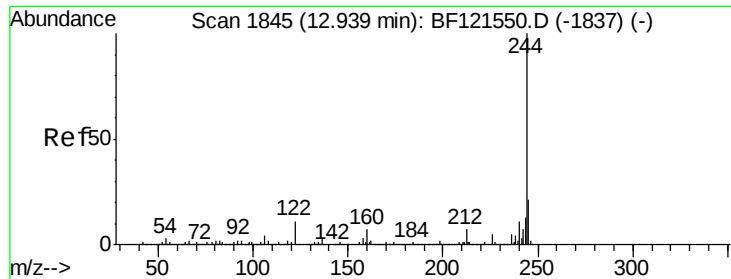
mohammad
10/8/2020 12:29:06 PM



#78
Pyrene
Concen: 5.935 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.9	14.6	21.8





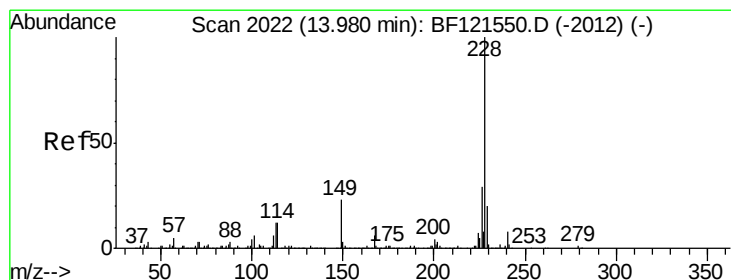
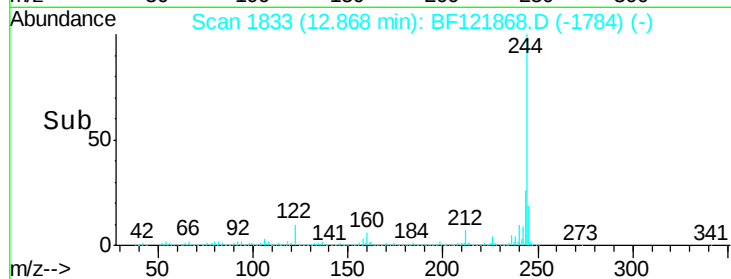
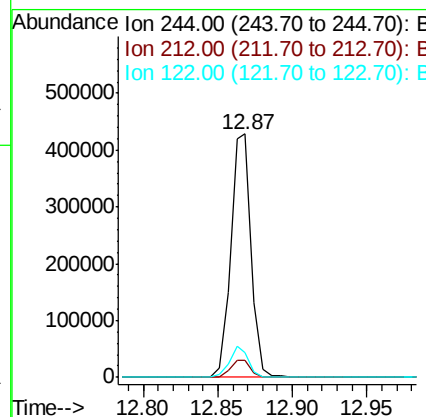
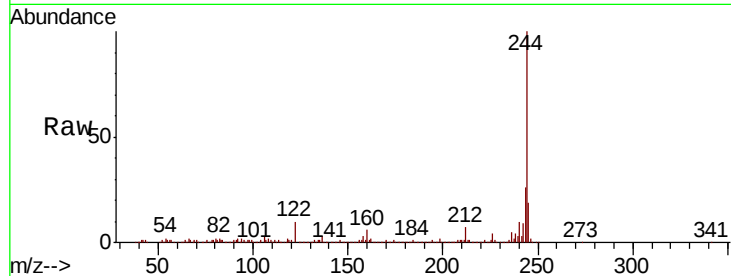
#79
 Terphenyl-d14
 Concen: 27.158 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121868.D
 Acq: 7 Oct 2020 12:18

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.3	8.1	12.1

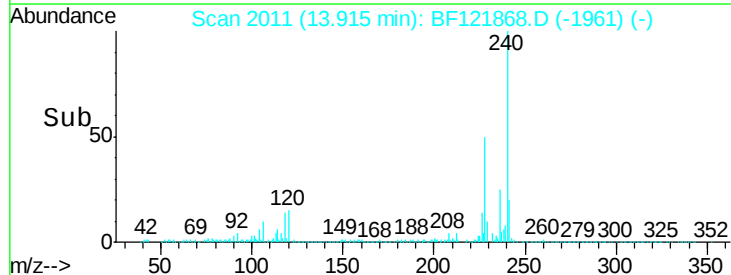
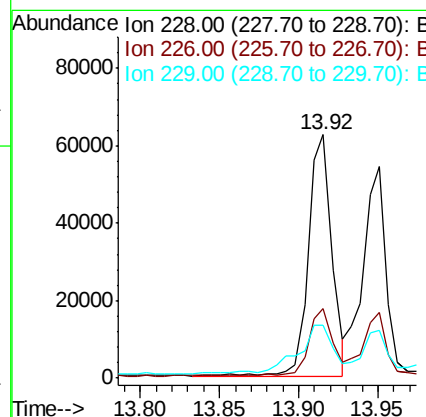
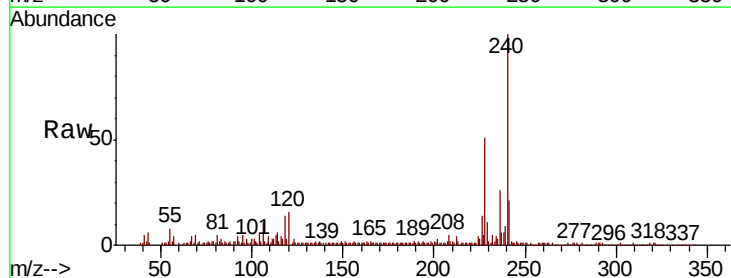
Manual Integrations
 APPROVED

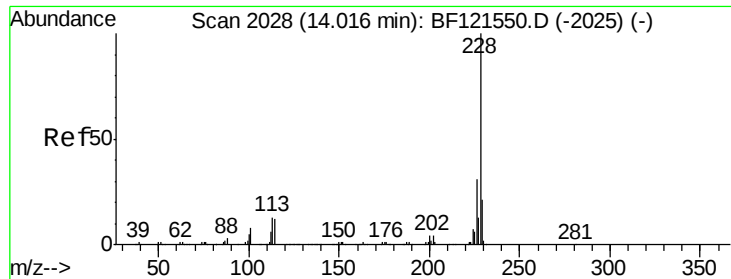
mohammad
 10/8/2020 12:29:06 PM



#81
 Benzo(a)anthracene
 Concen: 3.283 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF121868.D
 Acq: 7 Oct 2020 12:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.3	33.5
229	22.0	16.2	24.4





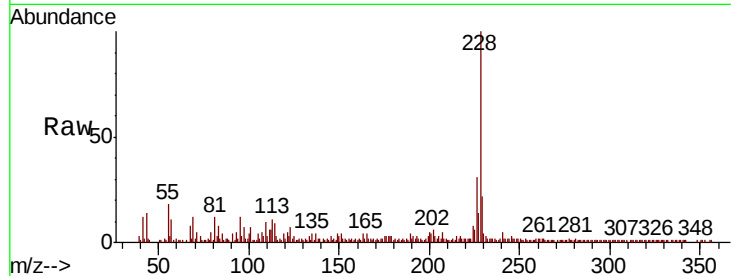
#83
Chrysene
Concen: 2.849 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

Instrument :
BNA_F
ClientSampleId :
PAV-B18-092920-DP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	22.5	15.9	23.9

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM

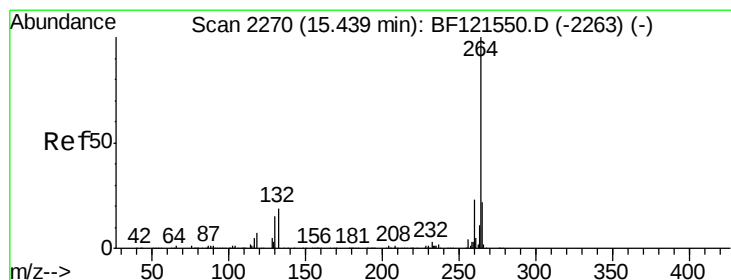
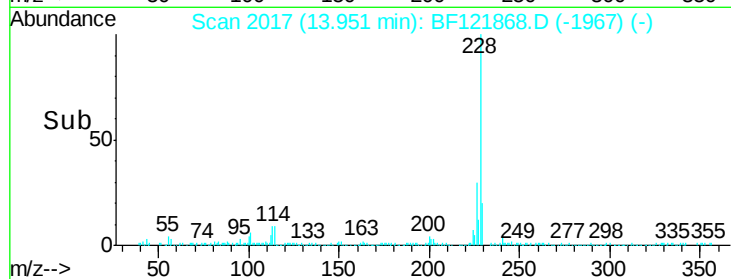
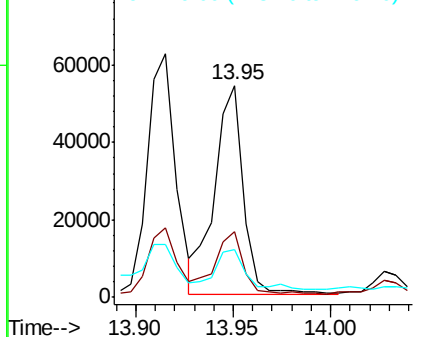


Abundance

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



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121868.D
Acq: 7 Oct 2020 12:18

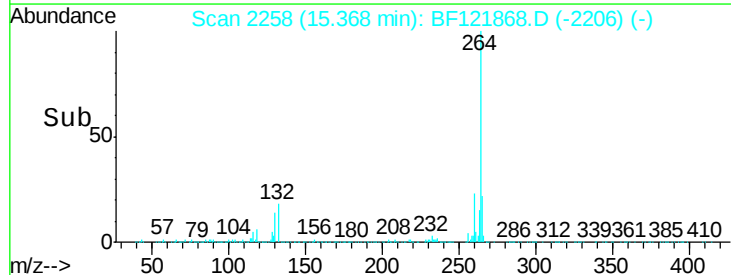
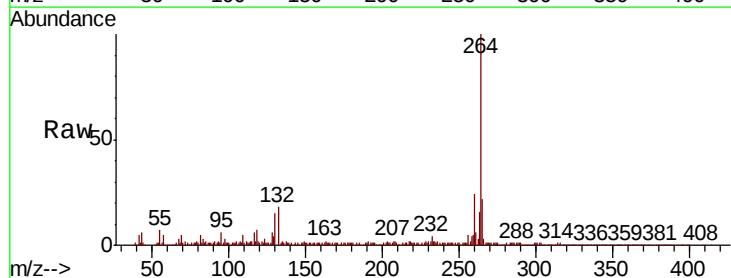
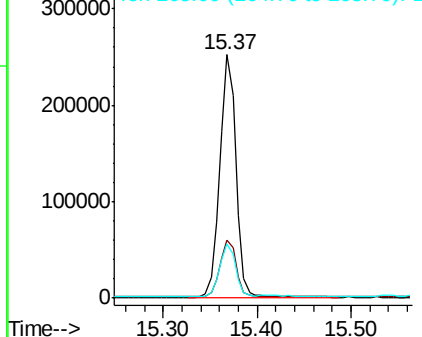
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.1	17.3	25.9

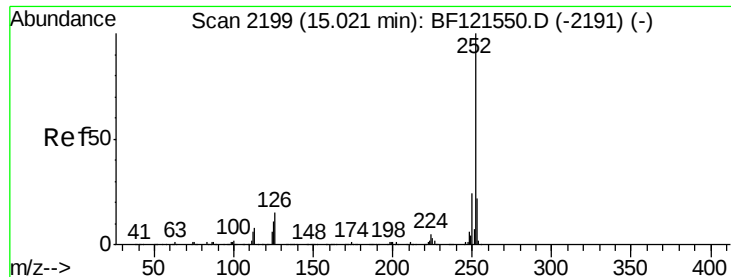
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.244 ng/mL

RT: 14.95 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BF121868.D

Acq: 7 Oct 2020 12:18

Instrument :

BNA_F

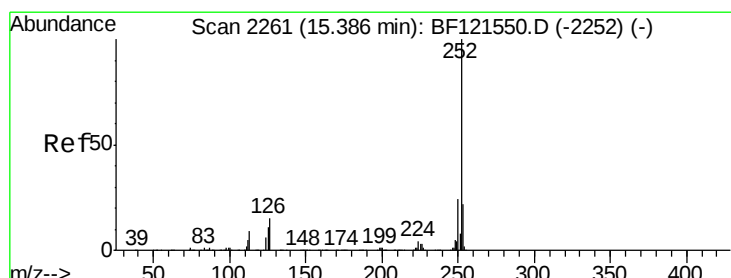
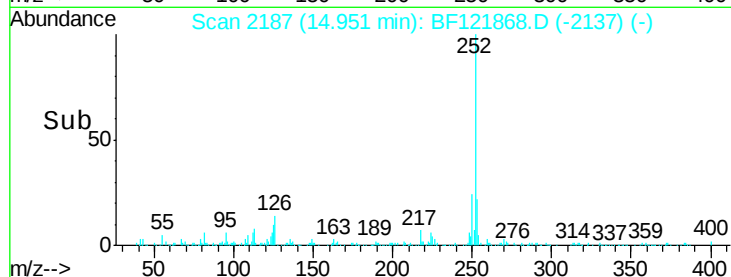
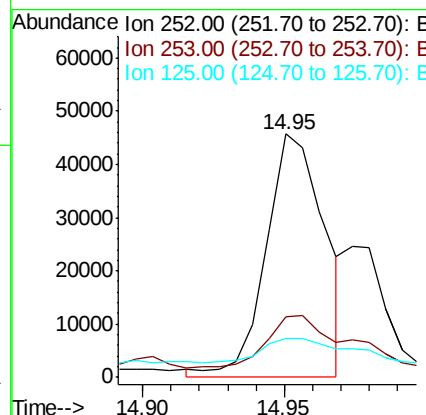
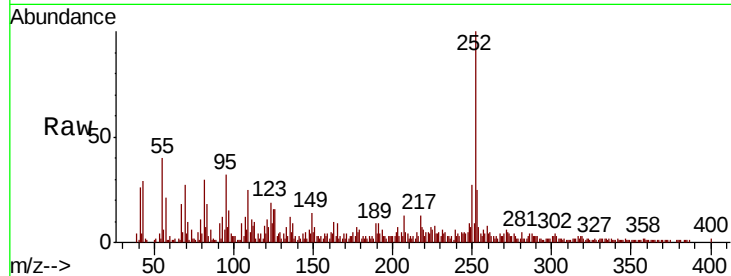
ClientSampleId :

PAV-B18-092920-DP

Tot Ion:	252	Resp:	65589
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.2
125	15.7	8.0	12.0

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM



#90

Benzo(a)pyrene

Concen: 2.903 ng/mL

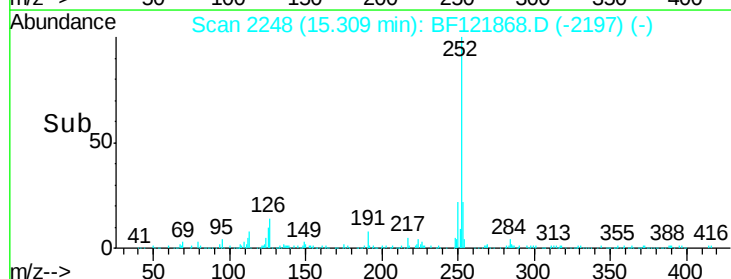
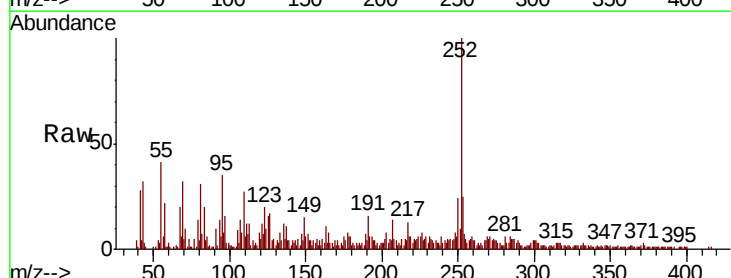
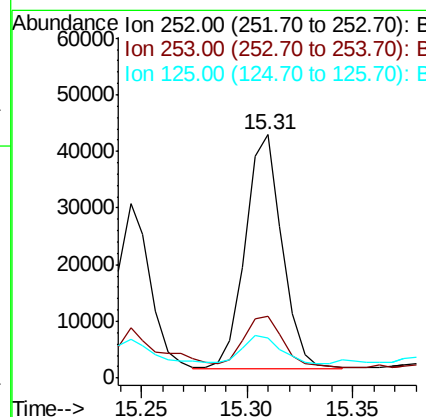
RT: 15.31 min Scan# 2248

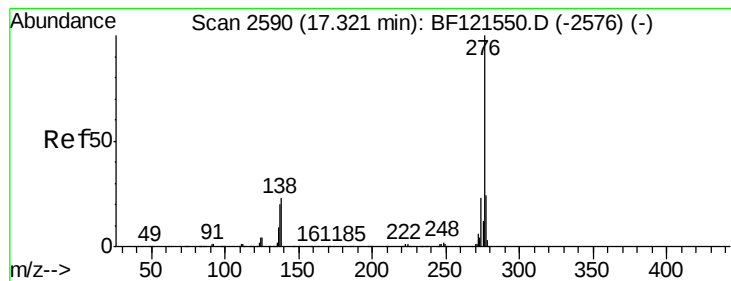
Delta R.T. 0.00 min

Lab File: BF121868.D

Acq: 7 Oct 2020 12:18

Tgt Ion:	252	Resp:	49878
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.3	25.9
125	16.4	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 2.019 ng

RT: 17.22 min Scan# 2573

Delta R.T. 0.01 min

Lab File: BF121868.D

Acq: 7 Oct 2020 12:18

Instrument :

BNA_F

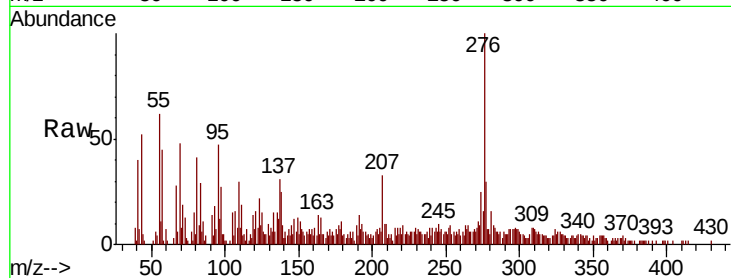
ClientSampleId :

PAV-B18-092920-DP

Tot Ion:	276	Resp:	32541
Ion Ratio	Lower	Upper	
276	100		
277	30.3	19.4	29.2#
138	25.4	17.8	26.6

Manual Integrations
APPROVED

mohammad
10/8/2020 12:29:06 PM



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

