

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003277.D
 Acq On : 14 Sep 2020 20:05
 Operator : CG/JU
 Sample : L3993-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PAV-091120-DP

Manual Integrations
 APPROVED

mohammad
 9/15/2020 1:21:10 PM

Quant Time: Sep 23 07:25:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	193873	20.00	ng	-0.01
21) Naphthalene-d8	10.42	136	779433	20.00	ng	-0.02
39) Acenaphthene-d10	14.29	164	469616	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	972462	20.00	ng	0.00
76) Chrysene-d12	21.13	240	810299	20.00	ng	-0.01
86) Perylene-d12	23.36	264	865321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	875132	79.81	ng	0.00
7) Phenol-d6	6.83	99	1053871	76.67	ng	0.00
23) Nitrobenzene-d5	8.79	82	656769	60.75	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	558628	87.95	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	1779222	55.48	ng	-0.01
79) Terphenyl-d14	19.62	244	2271538	61.69	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	13.75	163	222310	6.208	ng	99
71) Phenanthrene	17.08	178	179003	3.397	ng	99
75) Fluoranthene	19.06	202	405261	6.654	ng	99
78) Pyrene	19.41	202	380909	7.243	ng	99
81) Benzo(a)anthracene	21.12	228	215055	4.237	ng	99
83) Chrysene	21.17	228	192981	3.971	ng	97
88) Benzo(b)fluoranthene	22.70	252	265449m	4.936	ng	
90) Benzo(a)pyrene	23.27	252	201783	4.044	ng	95
92) Benzo(g,h,i)perylene	26.33	276	128349	2.413	ng	97

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

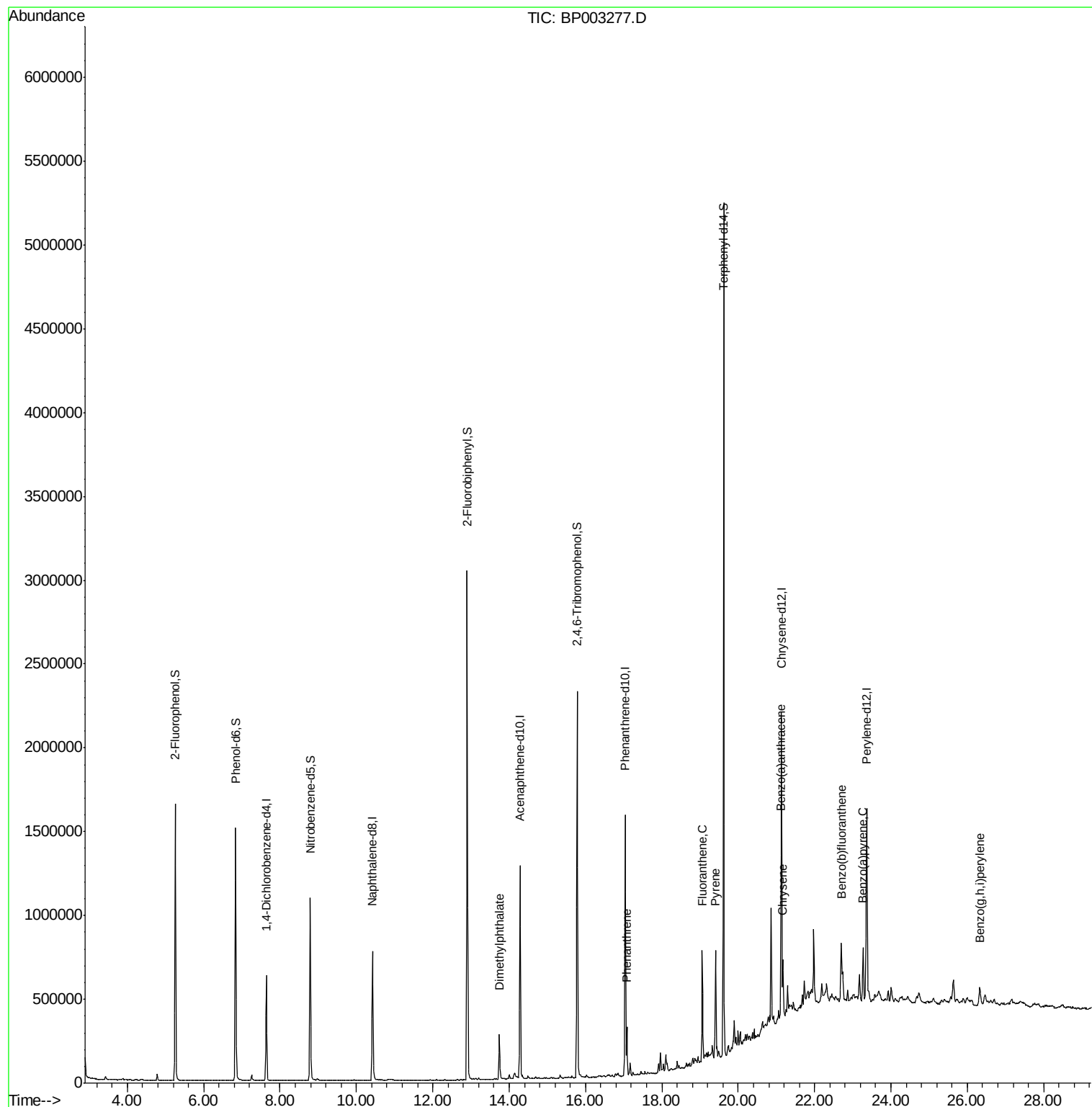
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003277.D
Acq On : 14 Sep 2020 20:05
Operator : CG/JU
Sample : L3993-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

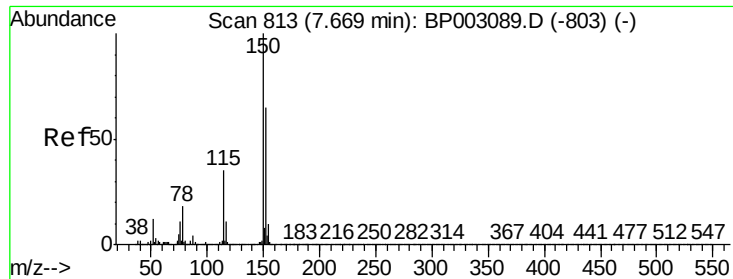
Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Manual Integrations
APPROVED

mohammad
9/15/2020 1:21:10 PM

Quant Time: Sep 23 07:25:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 14:37:05 2020
Response via : Initial Calibration





#1

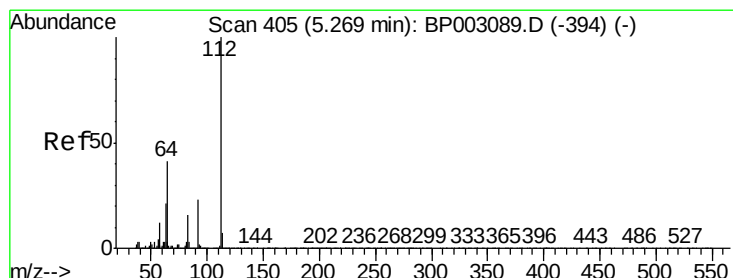
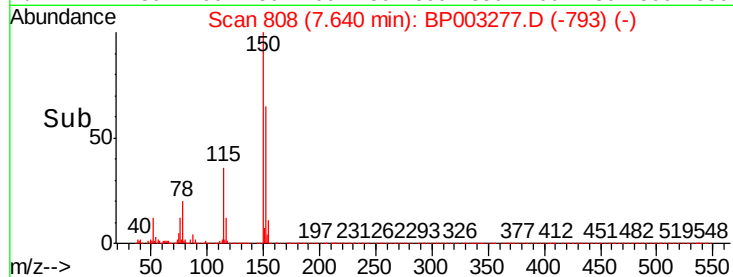
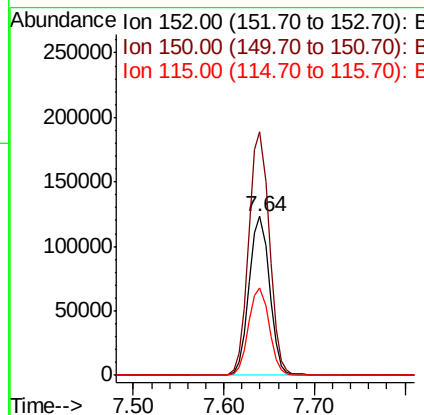
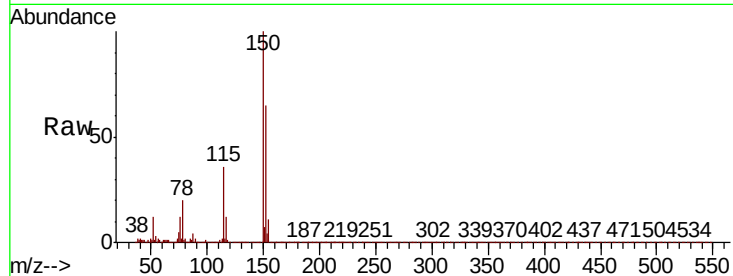
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 808
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	123.8	185.6
115	54.8	43.8	65.6

Manual Integrations
APPROVED

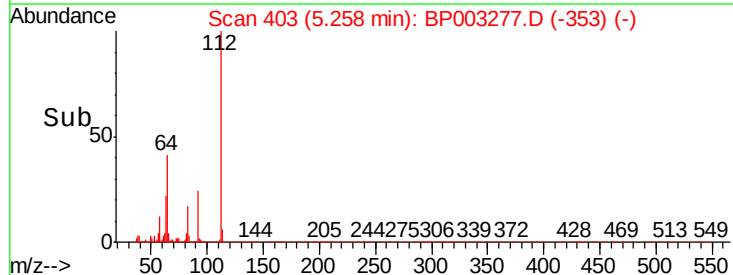
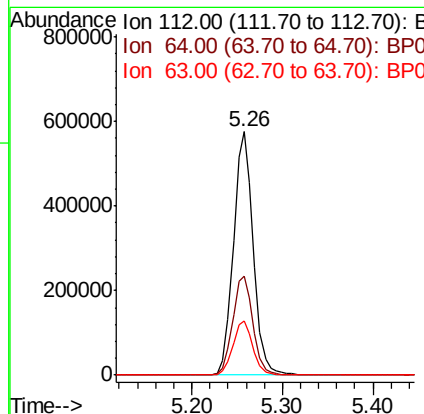
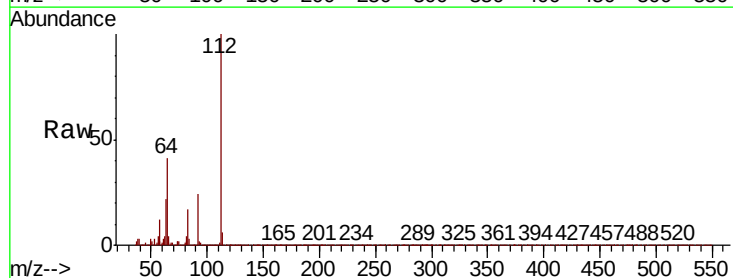
mohammad
9/15/2020 1:21:10 PM

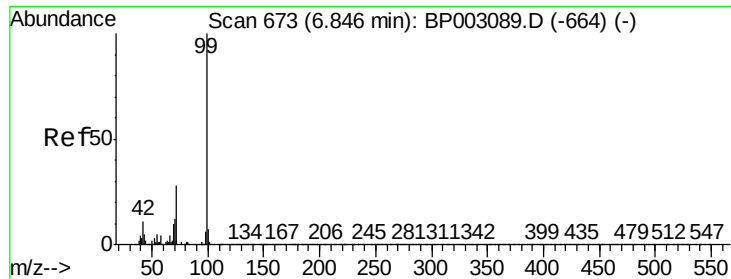


#5

2-Fluorophenol
Concen: 79.808 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.9	32.8	49.2
63	22.1	17.0	25.4





#7

Phenol-d6

Concen: 76.667 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.00 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

Tot Ion: 99 Resp: 1053871

Ion Ratio Lower Upper

99 100

42 11.6 8.6 13.0

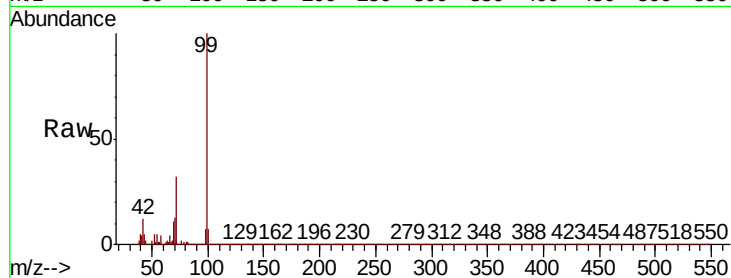
71 31.9 23.4 35.2

Manual Integrations

APPROVED

mohammad

9/15/2020 1:21:10 PM



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

6.83

800000

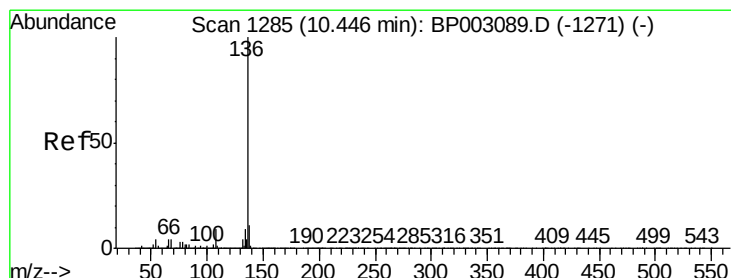
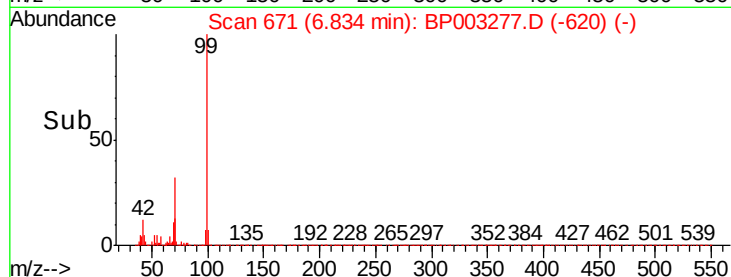
600000

400000

200000

0

Time--> 6.70 6.80 6.90 7.00



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Tgt Ion: 136 Resp: 779433

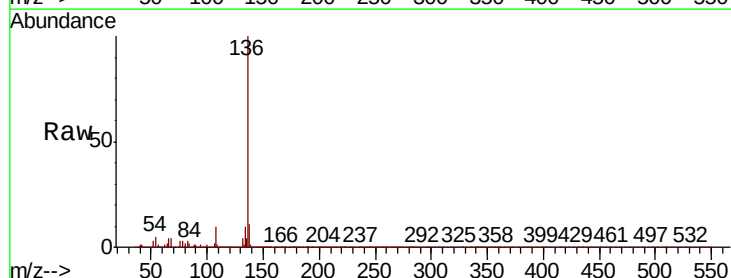
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 4.9 3.6 5.4

68 4.4 3.3 4.9



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): BP0

Ion 68.00 (67.70 to 68.70): BP0

10.42

600000

500000

400000

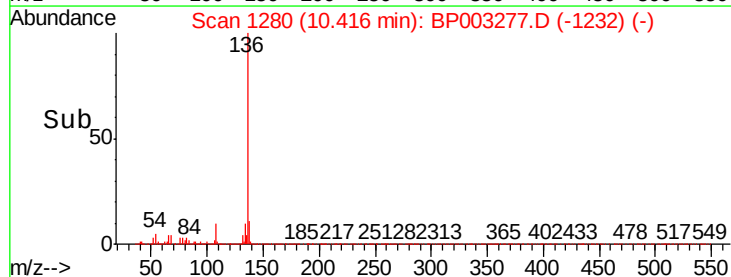
300000

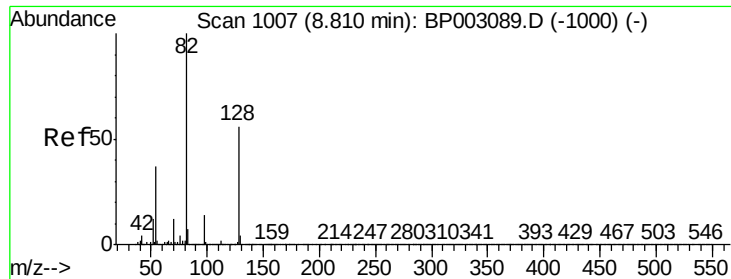
200000

100000

0

Time--> 10.40 10.60





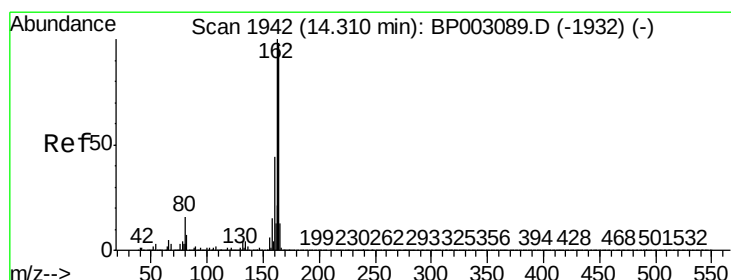
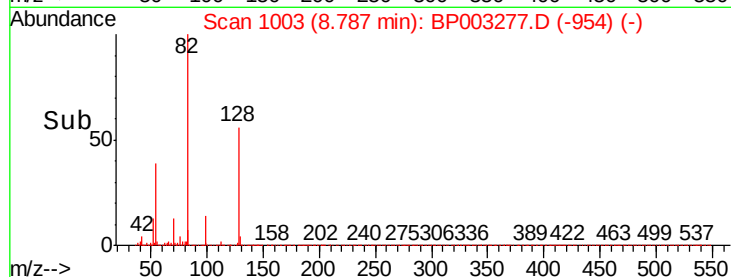
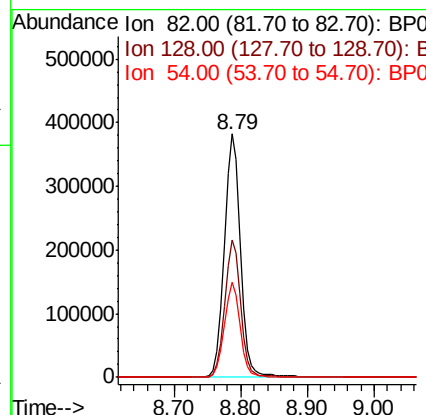
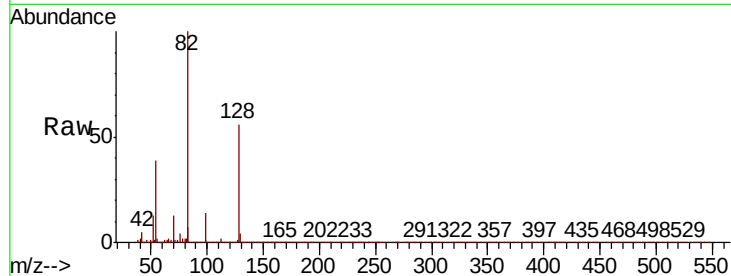
#23
 Nitrobenzene-d5
 Concen: 60.745 ng
 RT: 8.79 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BP003277.D
 Acq: 14 Sep 2020 20:05

Instrument :
 BNA_P
 ClientSampleId :
 PAV-091120-DP

Tot Ion	Ratio	Lower	Upper
82	100		
128	56.2	45.6	68.4
54	39.0	30.1	45.1

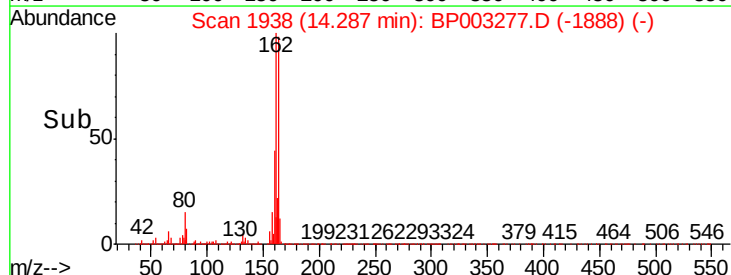
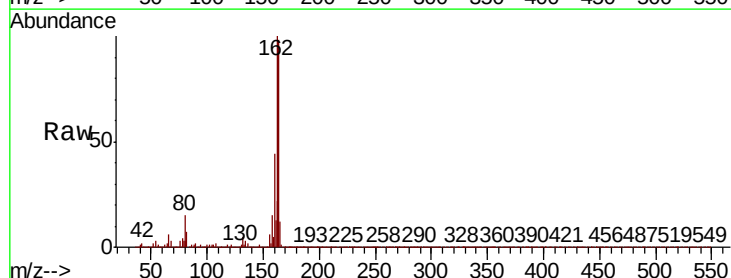
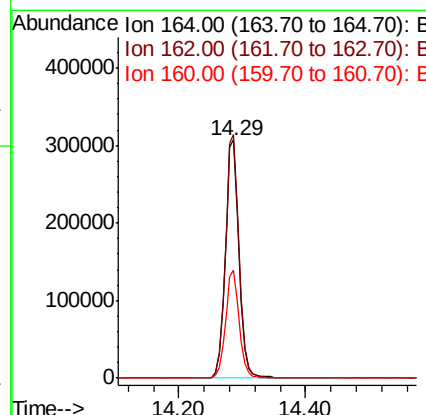
Manual Integrations
 APPROVED

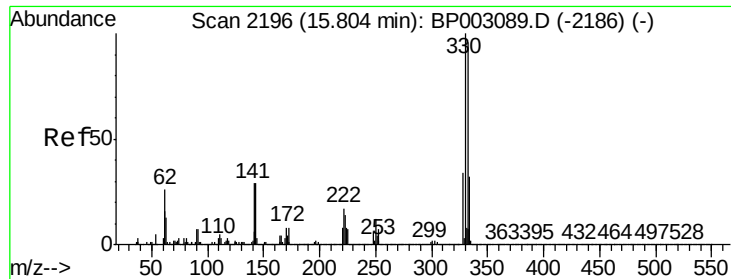
mohammad
 9/15/2020 1:21:10 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.29 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BP003277.D
 Acq: 14 Sep 2020 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.4	119.2
160	45.4	36.1	54.1





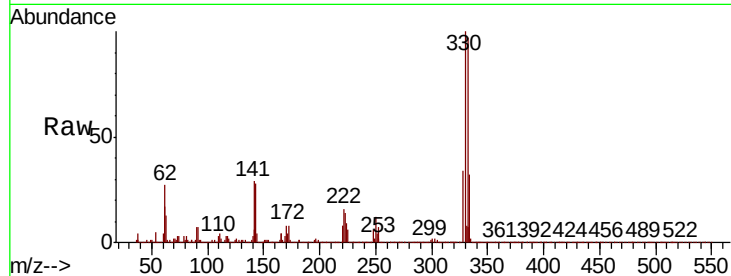
#42
2,4,6-Tribromophenol
Concen: 87.953 ng
RT: 15.78 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	558628		
332	96.6	77.1	115.7	
141	28.2	23.4	35.2	

Manual Integrations
APPROVED

mohammad
9/15/2020 1:21:10 PM

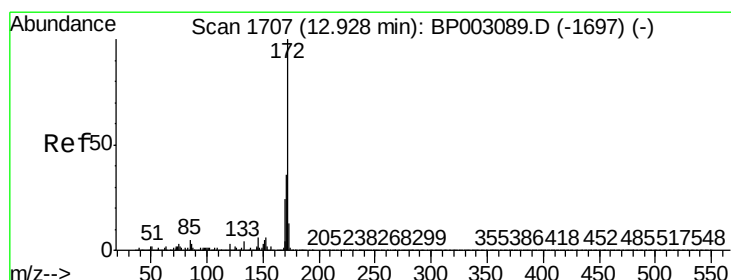
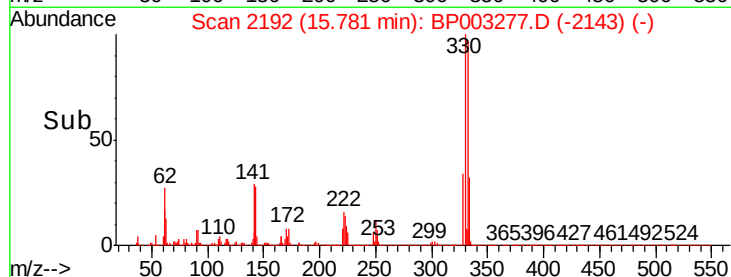
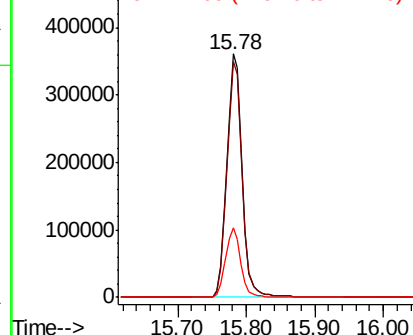


Abundance

Ion 329.80 (329.50 to 330.50): E

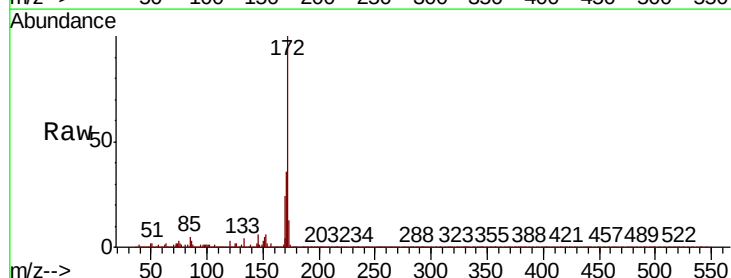
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 55.483 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1779222		
171	35.6	28.5	42.7	
170	23.7	19.2	28.8	

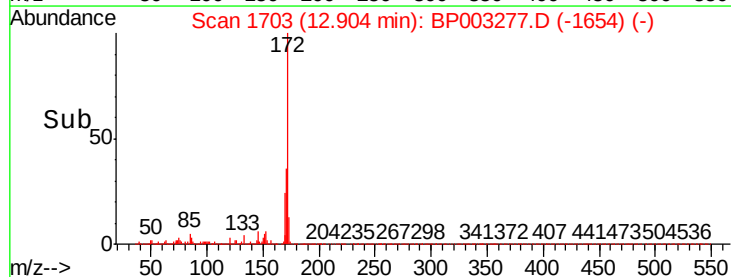
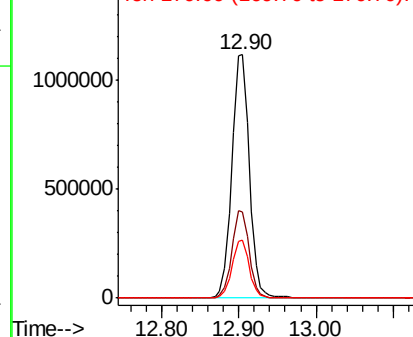


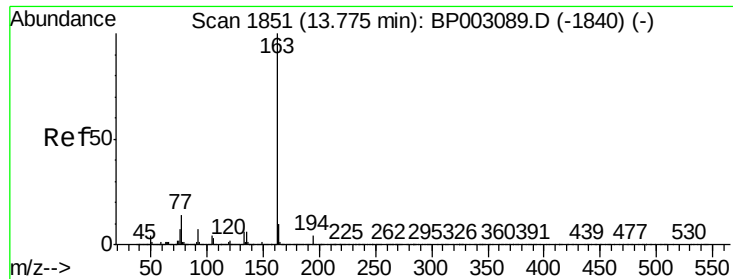
Abundance

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





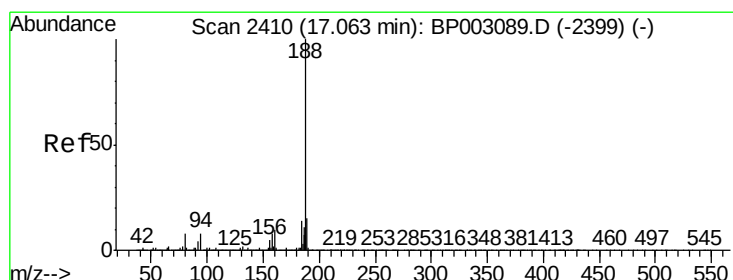
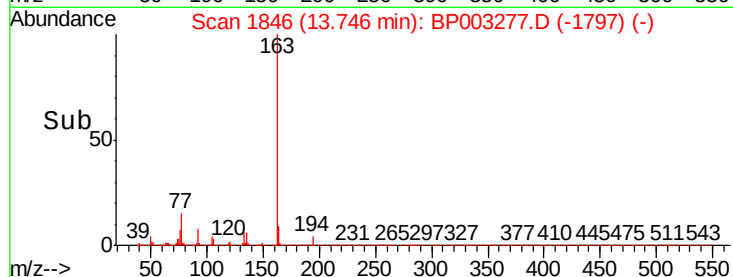
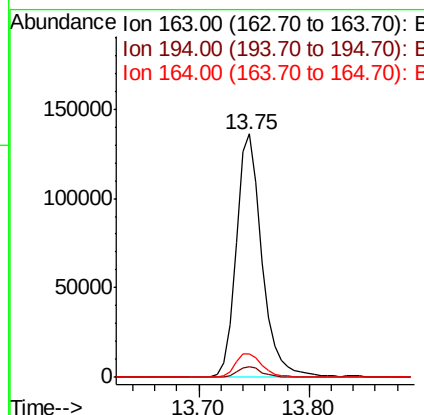
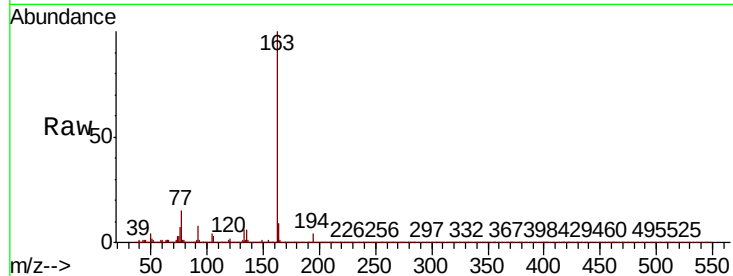
#50
Dimethylphthalate
Concen: 6.208 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		222310		
194	4.1		3.3	4.9	
164	9.5		8.2	12.2	

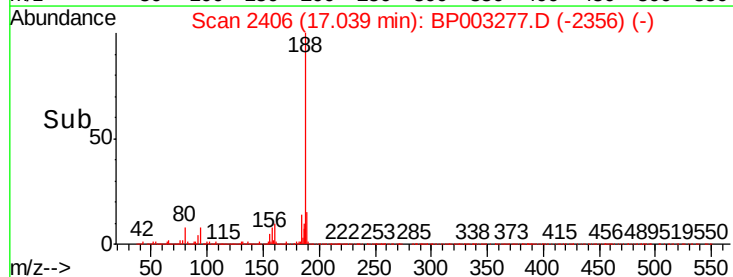
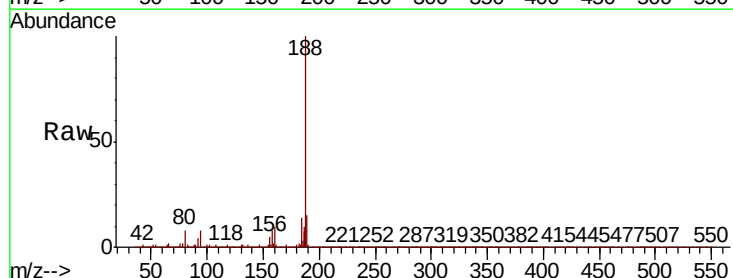
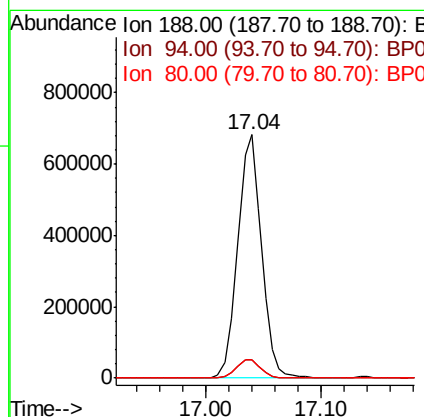
Manual Integrations
APPROVED

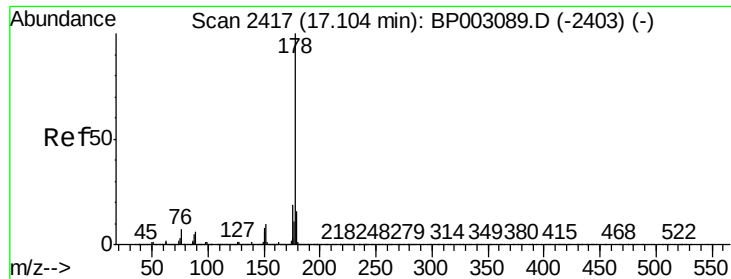
mohammad
9/15/2020 1:21:10 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.04 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		972462		
94	7.6		6.2	9.2	
80	7.6		6.2	9.2	





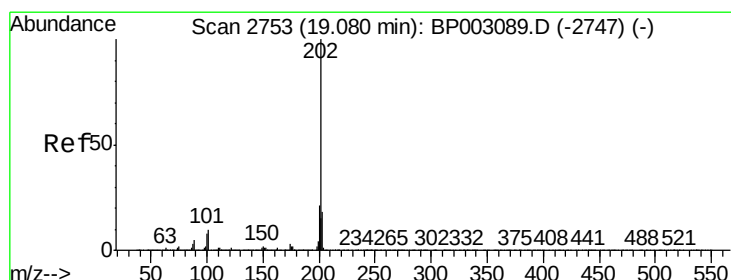
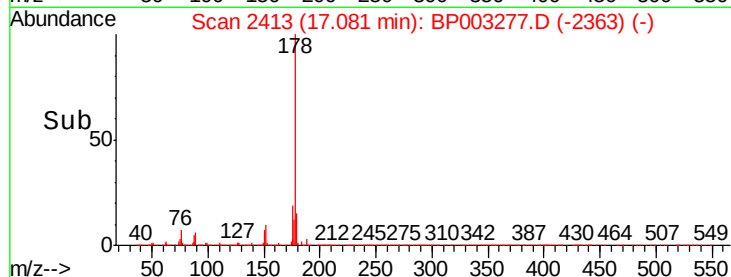
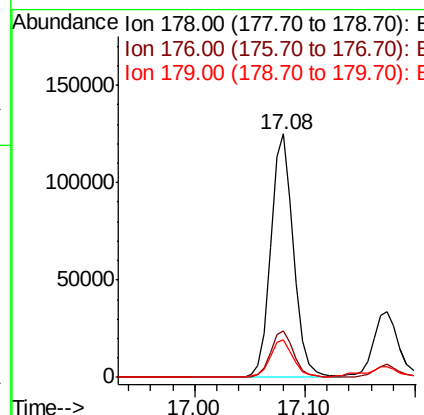
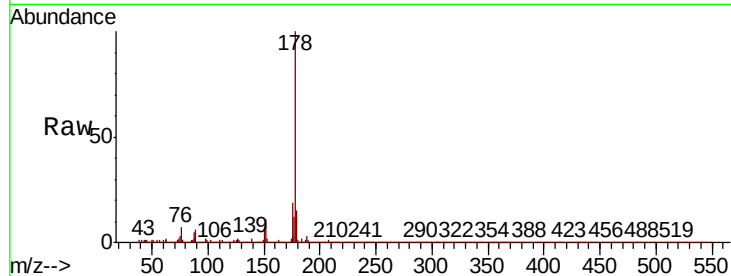
#71
Phenanthrene
Concen: 3.397 ng
RT: 17.08 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.5	18.7

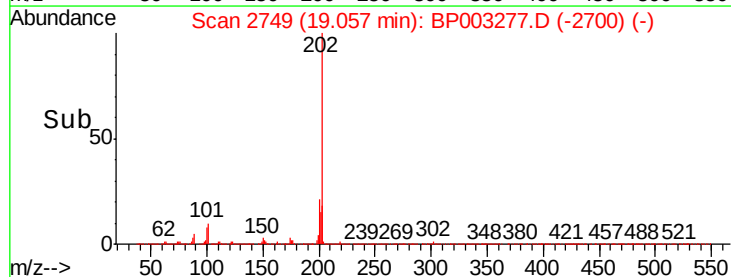
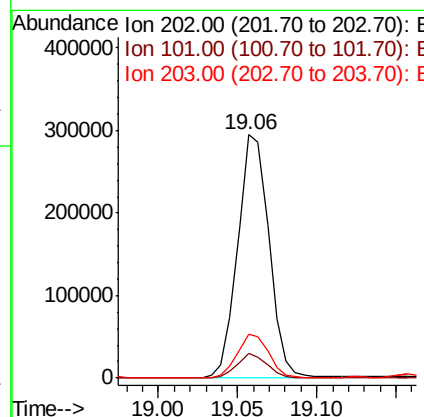
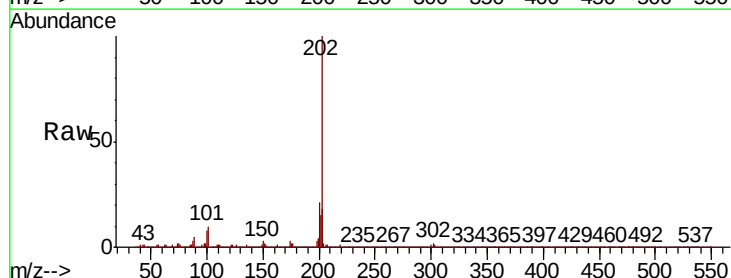
Manual Integrations
APPROVED

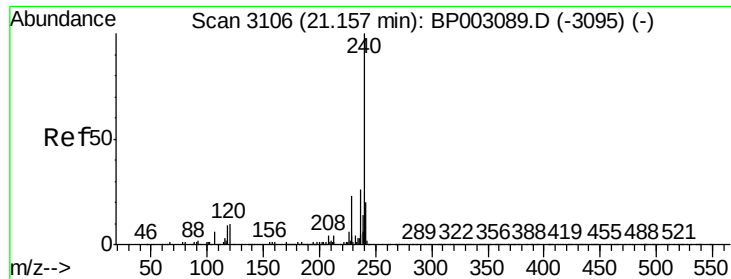
mohammad
9/15/2020 1:21:10 PM



#75
Fluoranthene
Concen: 6.654 ng
RT: 19.06 min Scan# 2749
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	29.4
203	17.9	0.0	37.8





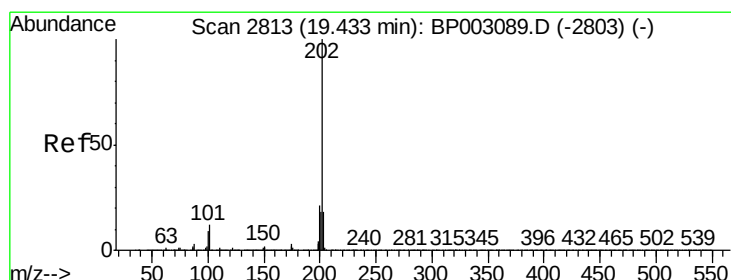
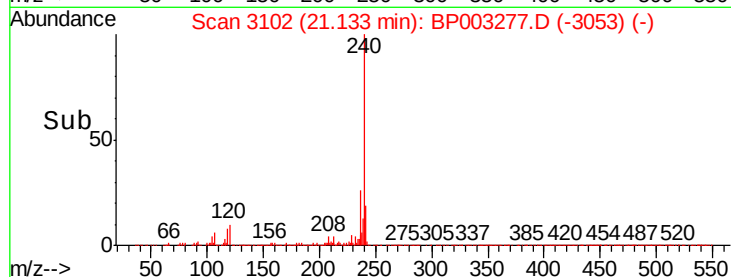
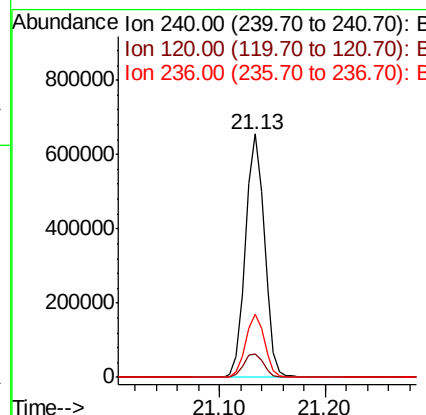
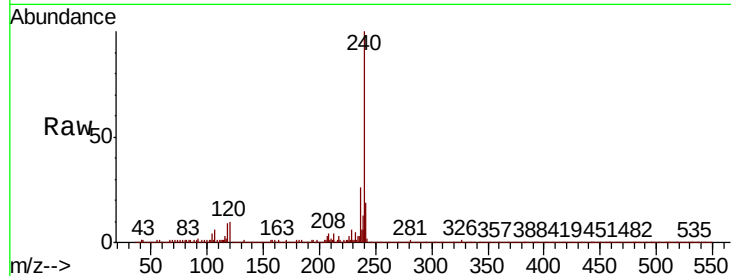
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	25.8	20.8	31.2

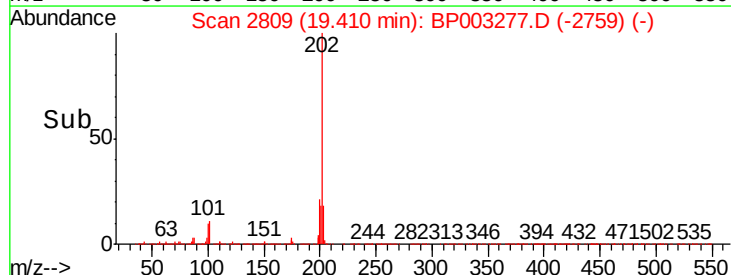
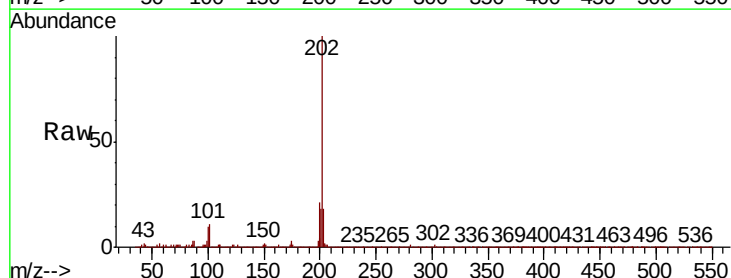
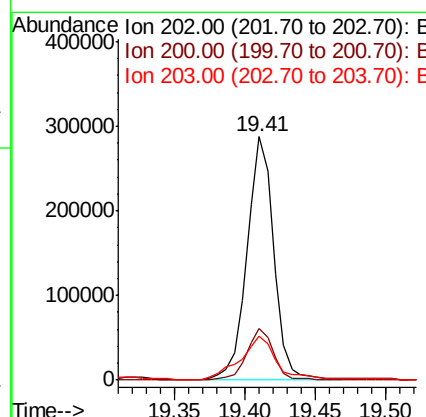
Manual Integrations
APPROVED

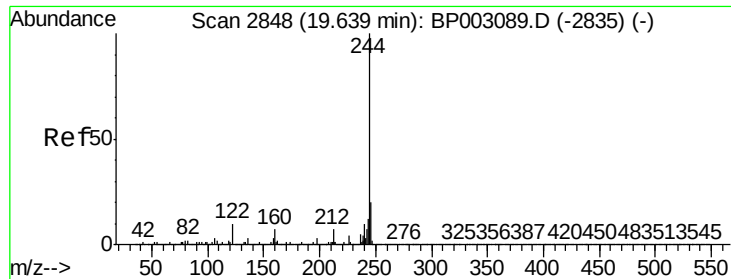
mohammad
9/15/2020 1:21:10 PM



#78
Pyrene
Concen: 7.243 ng
RT: 19.41 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	18.0	14.2	21.2





#79

Terphenyl-d14

Concen: 61.685 ng

RT: 19.62 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

Tot Ion:244 Resp: 2271538

Ion Ratio Lower Upper

244 100

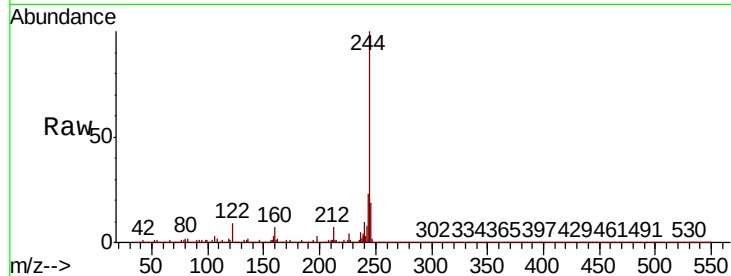
212 7.1 5.8 8.6

122 8.5 7.8 11.8

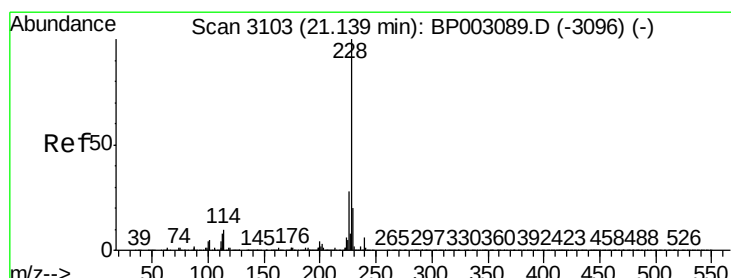
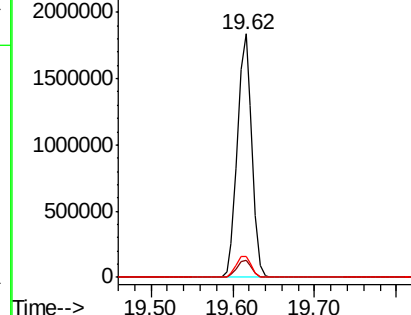
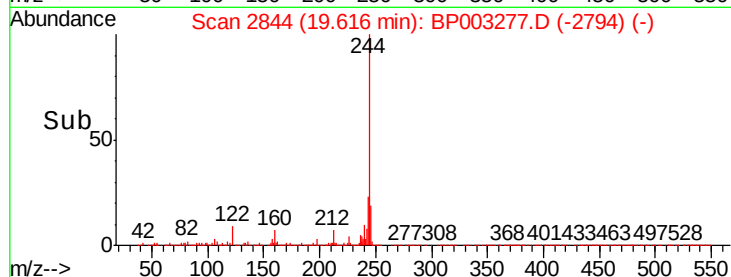
Manual Integrations
APPROVED

mohammad

9/15/2020 1:21:10 PM



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: 4.237 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

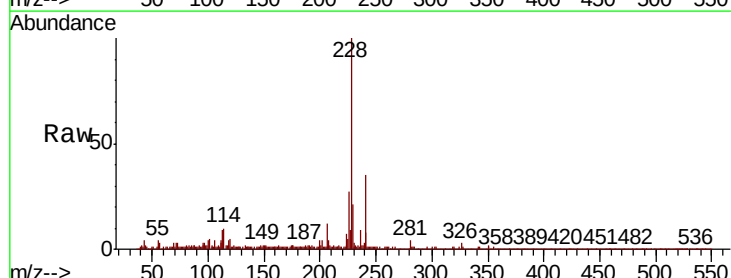
Tgt Ion:228 Resp: 215055

Ion Ratio Lower Upper

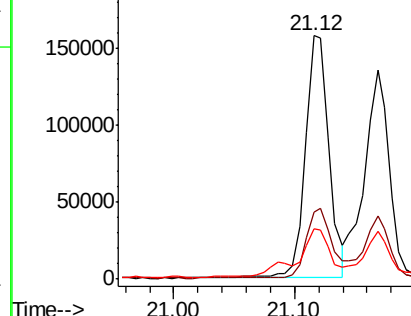
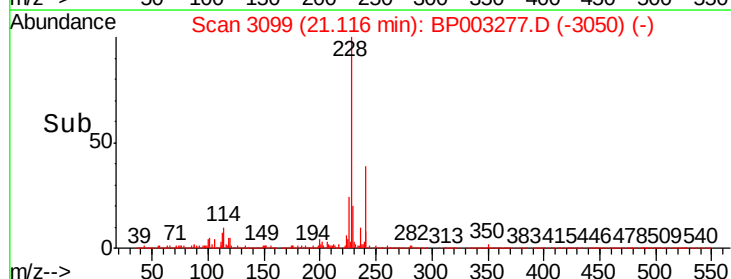
228 100

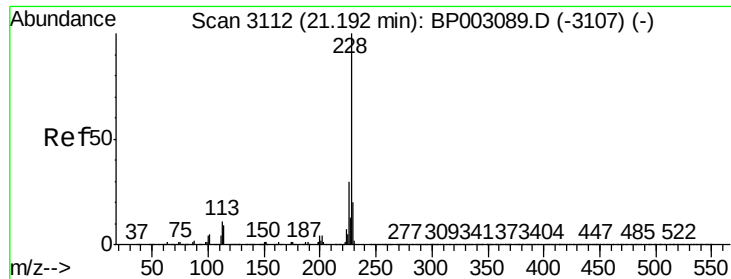
226 27.3 22.1 33.1

229 20.7 15.9 23.9



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





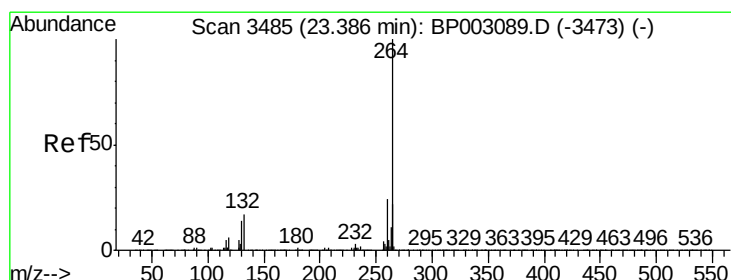
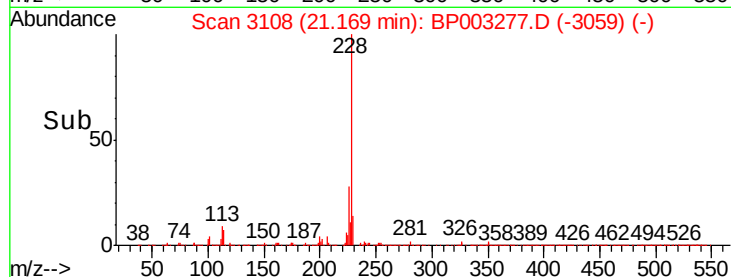
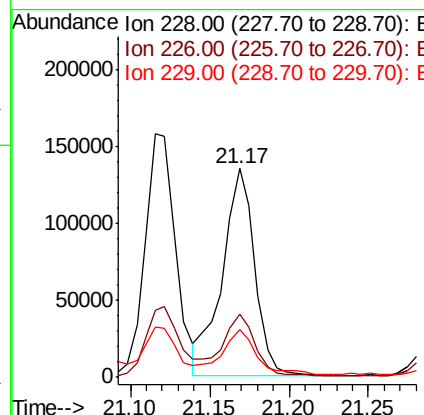
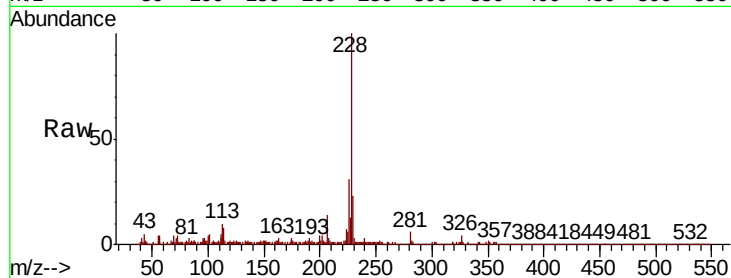
#83
Chrysene
Concen: 3.971 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.5		24.4	36.6	
229	23.1		15.8	23.6	

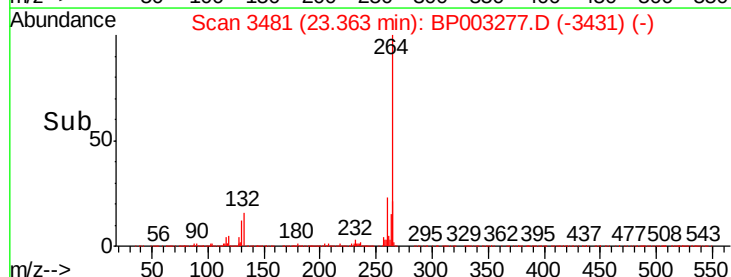
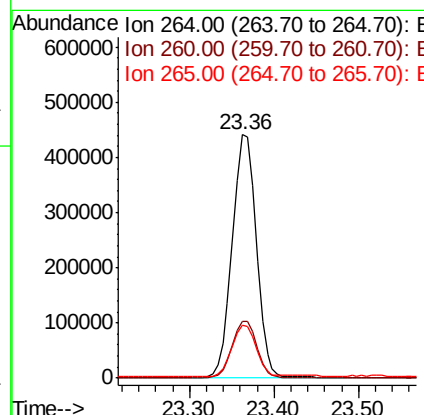
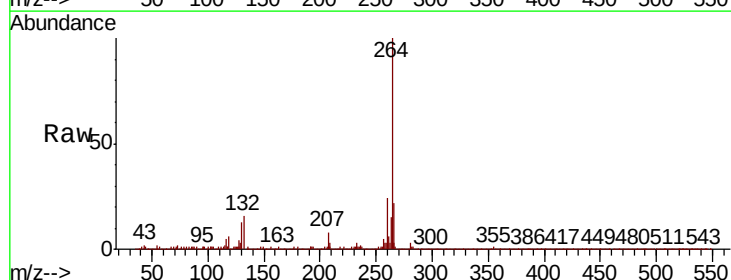
Manual Integrations
APPROVED

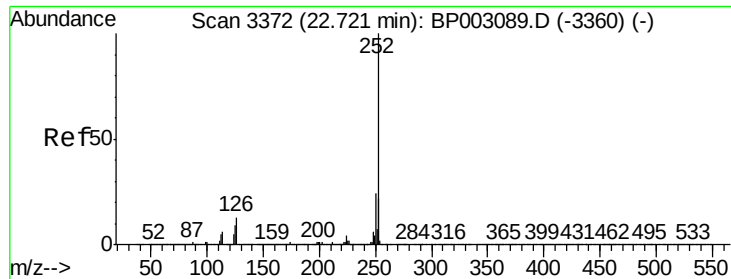
mohammad
9/15/2020 1:21:10 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.5		18.8	28.2	
265	21.9		17.4	26.2	





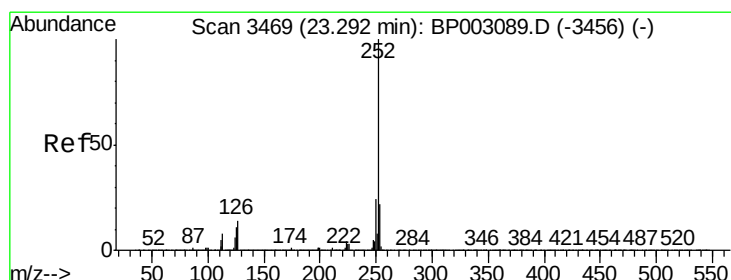
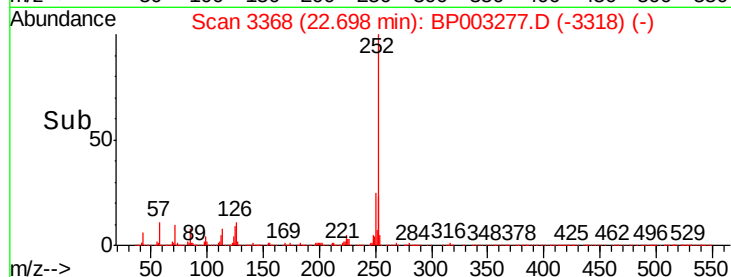
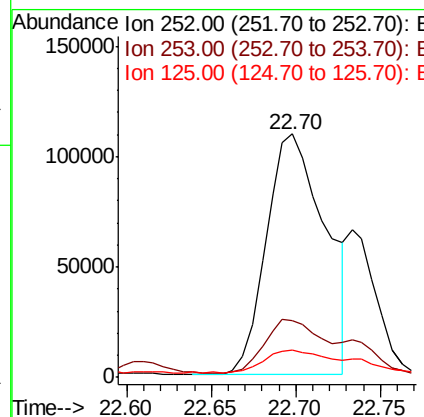
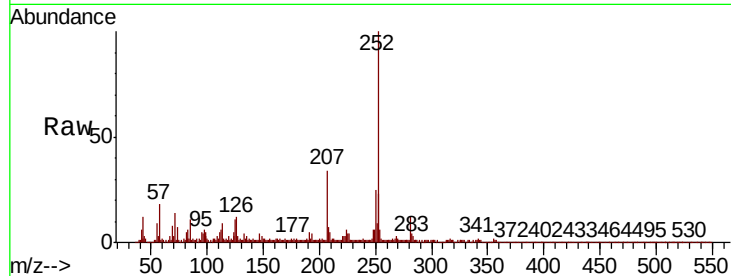
#88
Benzo(b)fluoranthene
Concen: 4.936 ng m
RT: 22.70 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Instrument :
BNA_P
ClientSampleId :
PAV-091120-DP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	11.4	7.3	10.9

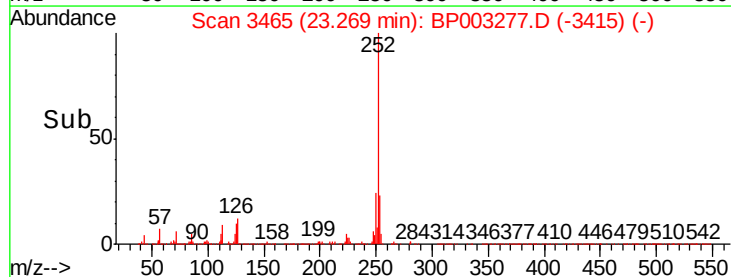
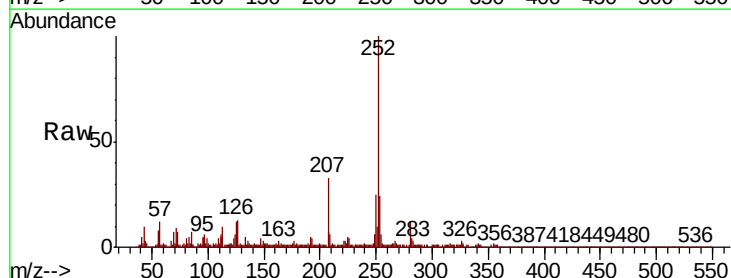
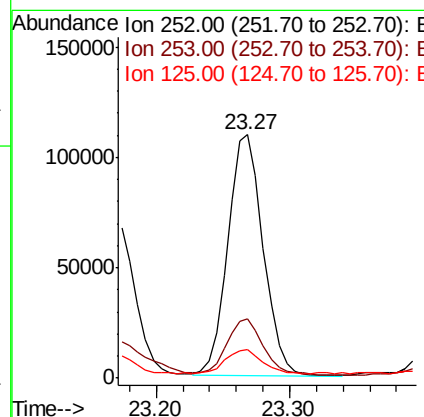
Manual Integrations
APPROVED

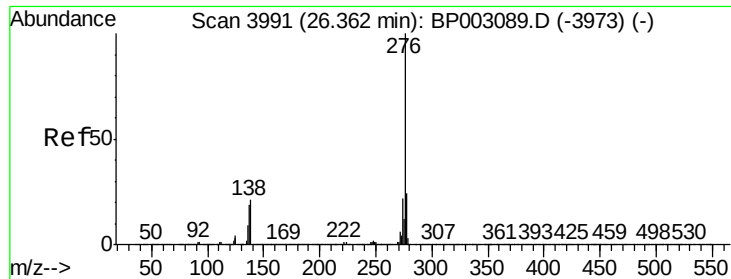
mohammad
9/15/2020 1:21:10 PM



#90
Benzo(a)pyrene
Concen: 4.044 ng
RT: 23.27 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BP003277.D
Acq: 14 Sep 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	11.6	8.2	12.4





#92

Benzo(a,h,i)perylene

Concen: 2.413 ng

RT: 26.33 min Scan# 3985

Delta R.T. -0.01 min

Lab File: BP003277.D

Acq: 14 Sep 2020 20:05

Instrument :

BNA_P

ClientSampleId :

PAV-091120-DP

Tot Ion:	276	Resp:	128349
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.0	28.6
138	21.0	16.6	24.8

Manual Integrations
APPROVED

mohammad
9/15/2020 1:21:10 PM

