

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003284.D
 Acq On : 15 Sep 2020 00:02
 Operator : CG/JU
 Sample : L3981-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

Manual Integrations
 APPROVED

mohammad
 9/15/2020 1:22:18 PM

Quant Time: Sep 22 08:38:58 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	7.65	152	176877	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	645502	20.00	ng	-0.01
39) Acenaphthene-d10	14.29	164	345352	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	658911	20.00	ng	0.00
76) Chrysene-d12	21.14	240	700979	20.00	ng	0.00
86) Perylene-d12	23.38	264	820598	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	377452	37.73	ng	0.00
7) Phenol-d6	6.84	99	506320	40.37	ng	0.00
23) Nitrobenzene-d5	8.79	82	275297	30.75	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	389609	83.41	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1091103	46.27	ng	-0.01
79) Terphenyl-d14	19.62	244	1668804	52.39	ng	0.00
Target Compounds						
49) Acenaphthylene	14.01	152	100198	3.125	ng	Qvalue 100
50) Dimethylphthalate	13.75	163	137394	5.217	ng	99
71) Phenanthrene	17.09	178	632460	17.714	ng	99
72) Anthracene	17.17	178	167434	4.900	ng	99
75) Fluoranthene	19.06	202	1639329	39.726	ng	99
78) Pyrene	19.42	202	1720579	37.819	ng	99
81) Benzo(a)anthracene	21.13	228	956296	21.779	ng	97
83) Chrysene	21.17	228	974650	23.184	ng	98
87) Indeno(1,2,3-cd)pyrene	25.66	276	975512	15.941	ng	# 93
88) Benzo(b)fluoranthene	22.71	252	1679229m	32.924	ng	
89) Benzo(k)fluoranthene	22.74	252	433276m	8.891	ng	
90) Benzo(a)pyrene	23.28	252	1180977	24.959	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	255526	5.083	ng	94
92) Benzo(a,h,i)perylene	26.36	276	985990	19.544	ng	96

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

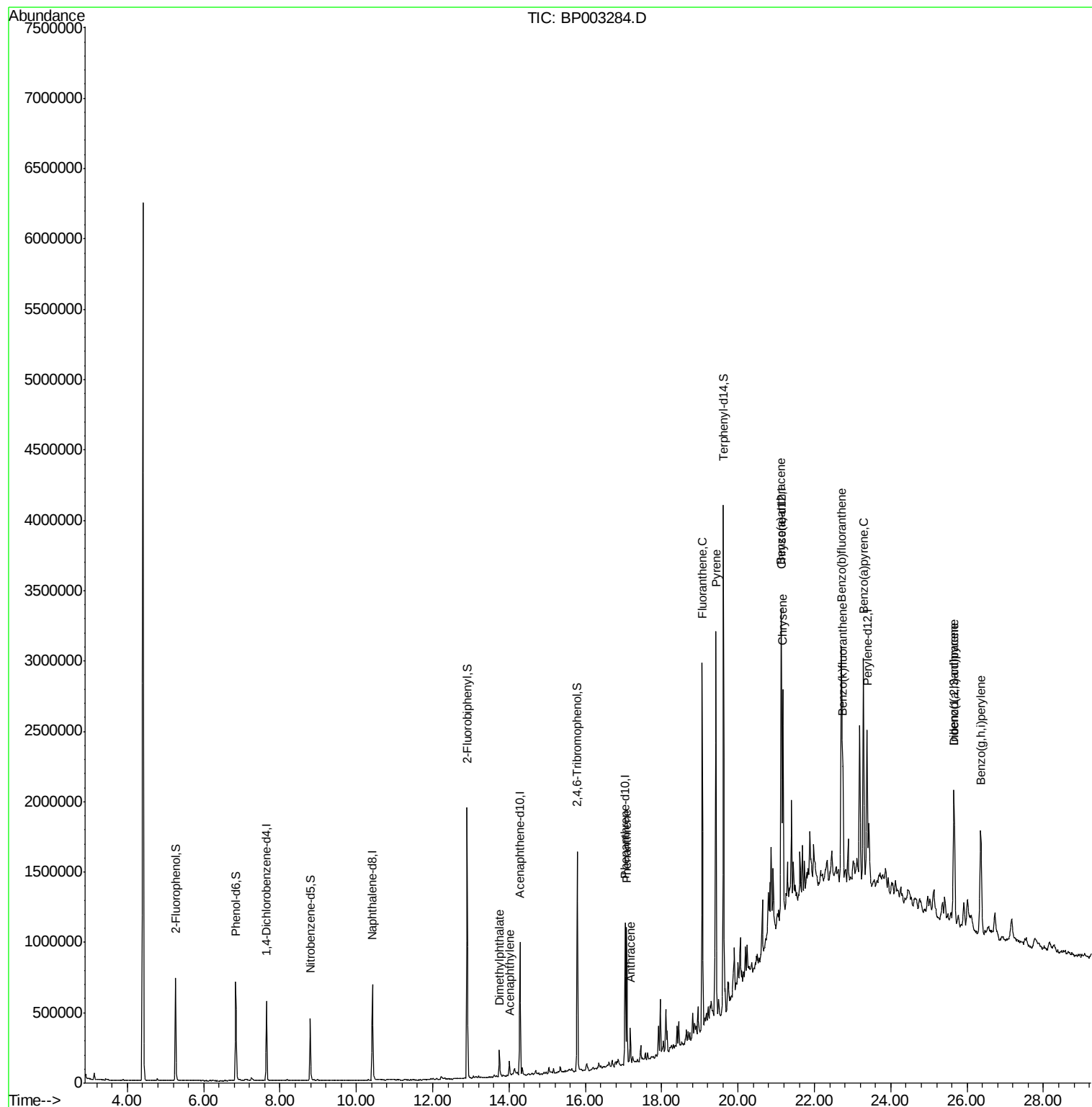
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003284.D
Acq On : 15 Sep 2020 00:02
Operator : CG/JU
Sample : L3981-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

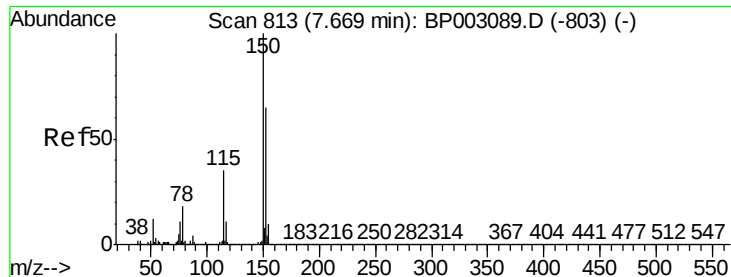
Instrument :
BNA_P
ClientSampleId :
B18-0-2

Quant Time: Sep 22 08:38:58 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

Manual Integrations
APPROVED

mohammad
9/15/2020 1:22:18 PM





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.65 min Scan# 809

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

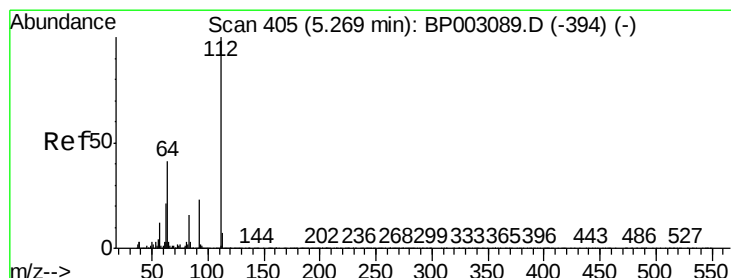
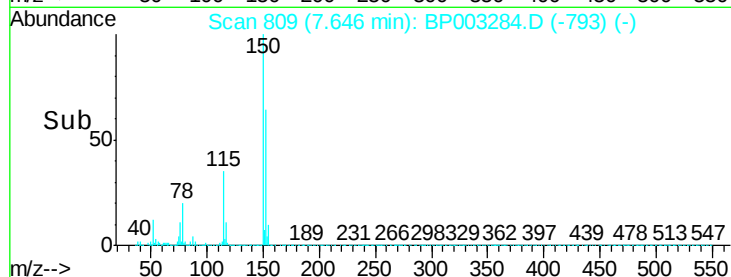
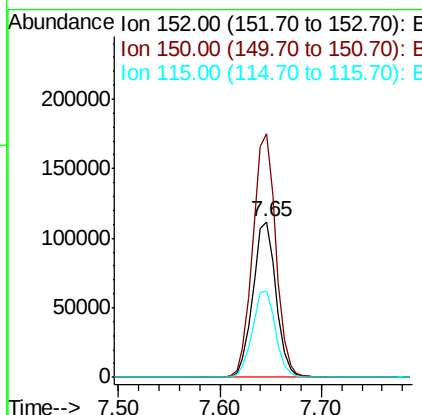
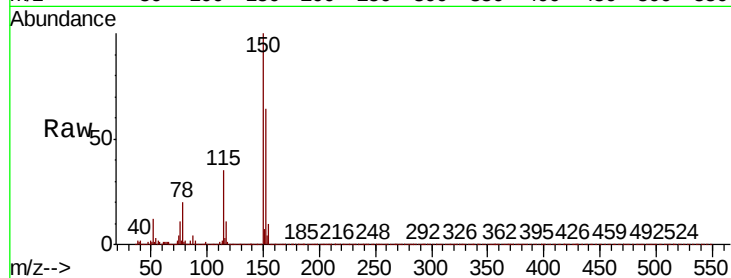
ClientSampleId :

B18-0-2

Tot Ion:	152	Resp:	176877
Ion Ratio	Lower	Upper	
152	100		
150	156.3	123.8	185.6
115	55.2	43.8	65.6

Manual Integrations
APPROVED

mohammad
9/15/2020 1:22:18 PM



#5

2-Fluorophenol

Concen: 37.729 ng

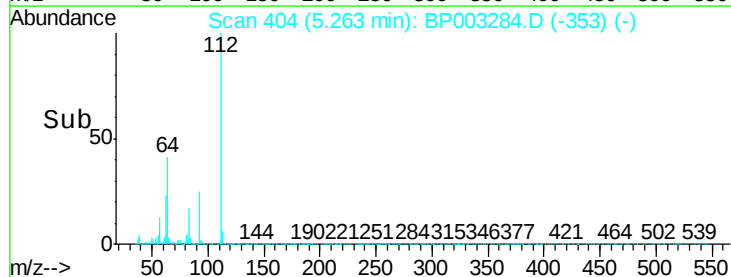
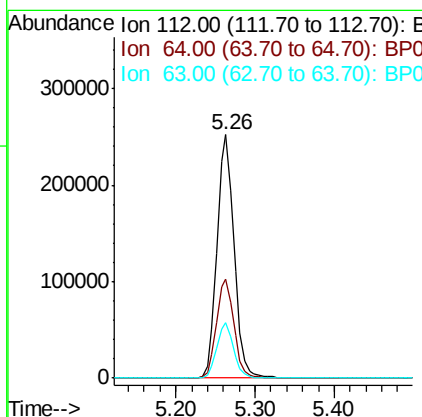
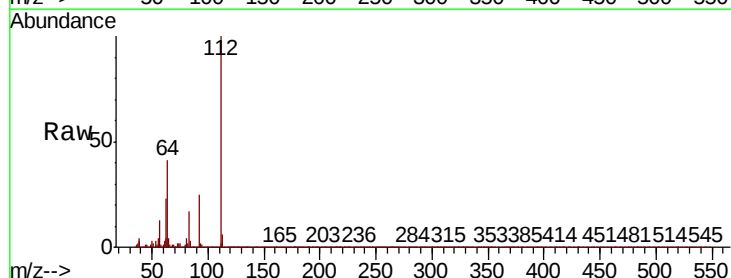
RT: 5.26 min Scan# 404

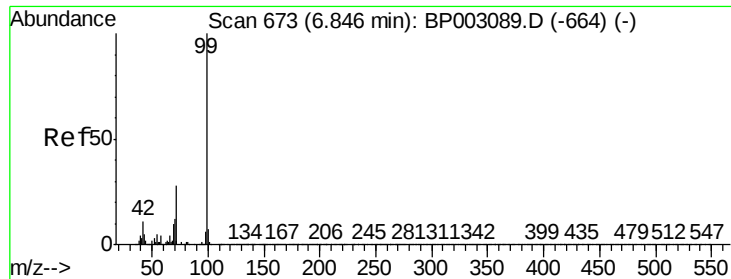
Delta R.T. -0.00 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Tgt Ion:	112	Resp:	377452
Ion Ratio	Lower	Upper	
112	100		
64	40.9	32.8	49.2
63	23.0	17.0	25.4





#7

Phenol-d6

Concen: 40.373 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

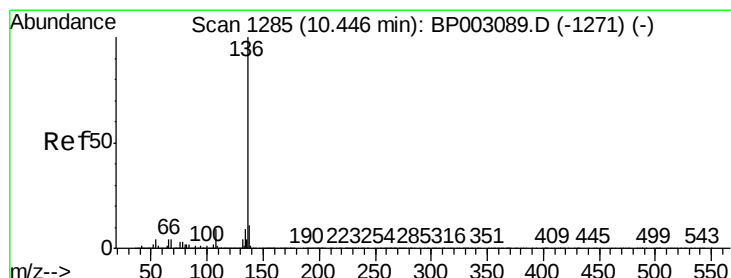
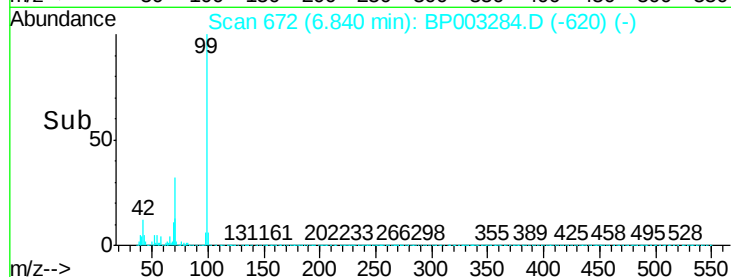
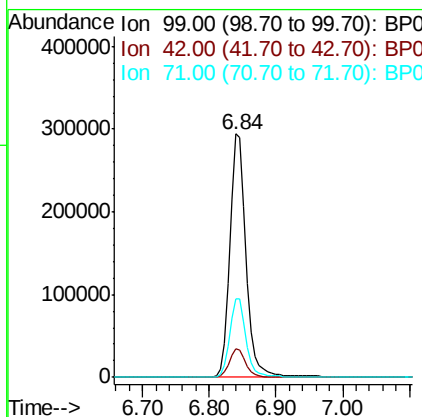
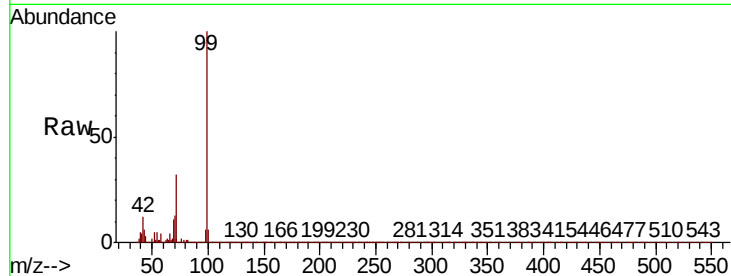
ClientSampleId :

B18-0-2

Tot Ion:	99	Resp:	506320
Ion Ratio	Lower	Upper	
99	100		
42	11.6	8.6	13.0
71	32.3	23.4	35.2

Manual Integrations
APPROVED

mohammad
9/15/2020 1:22:18 PM



#21

Naphthalene-d8

Concen: 20.000 ng

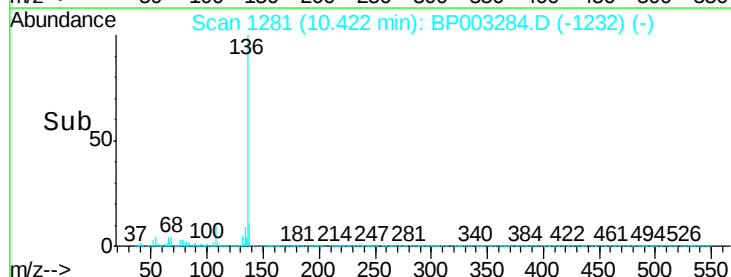
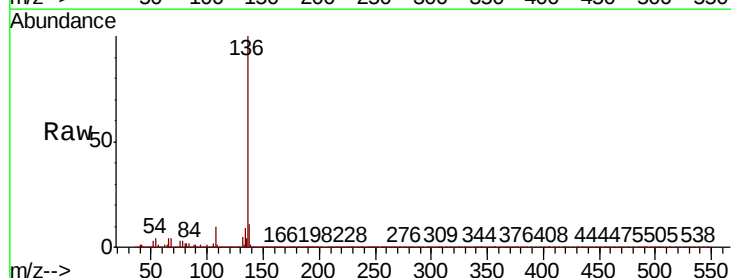
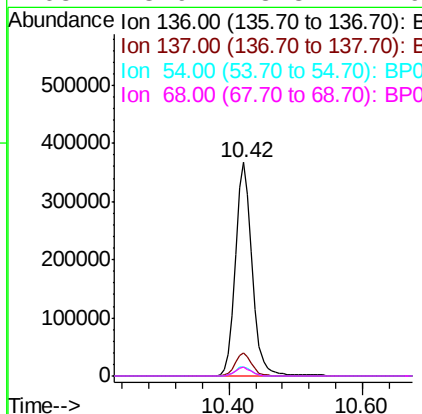
RT: 10.42 min Scan# 1281

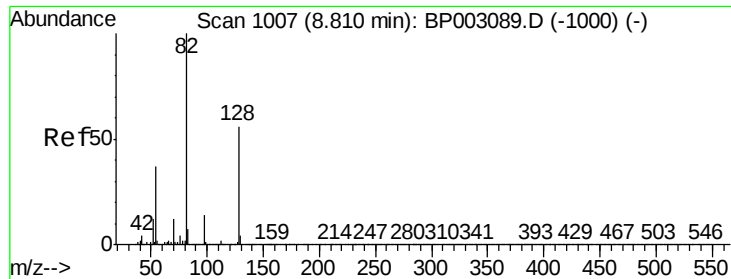
Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Tgt Ion:	136	Resp:	645502
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	4.4	3.6	5.4
68	3.9	3.3	4.9





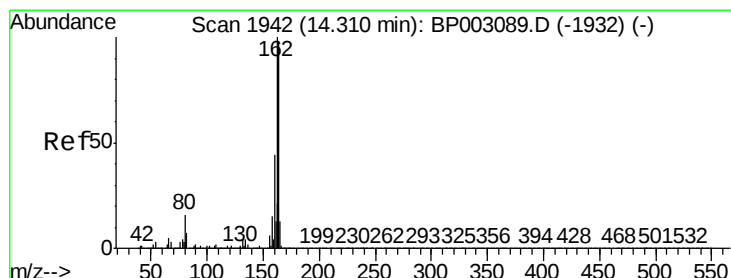
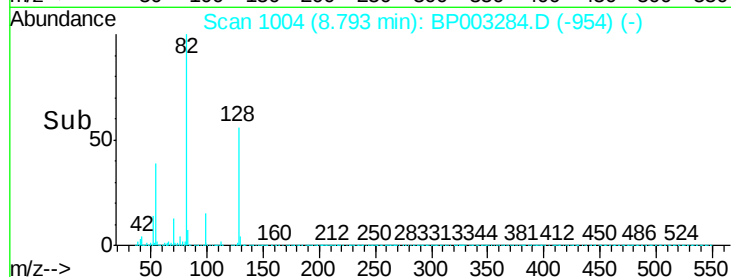
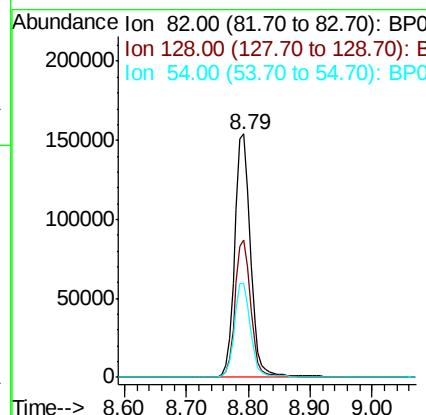
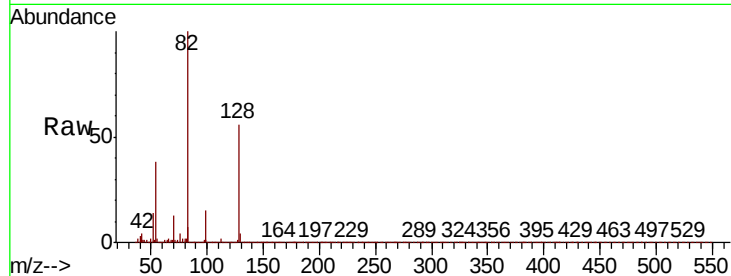
#23
 Nitrobenzene-d5
 Concen: 30.746 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	56.5	45.6	68.4
54	38.5	30.1	45.1

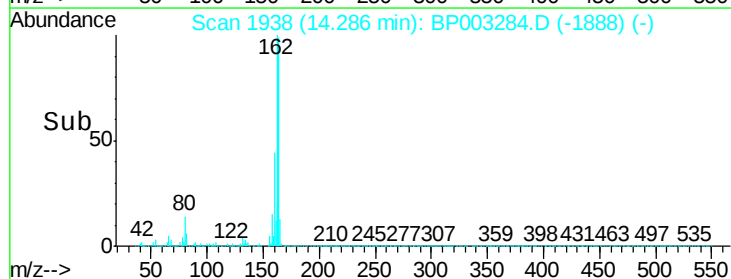
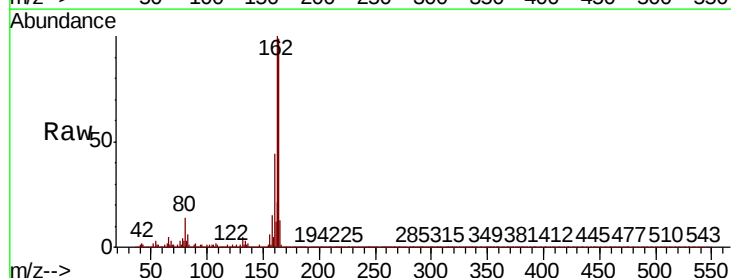
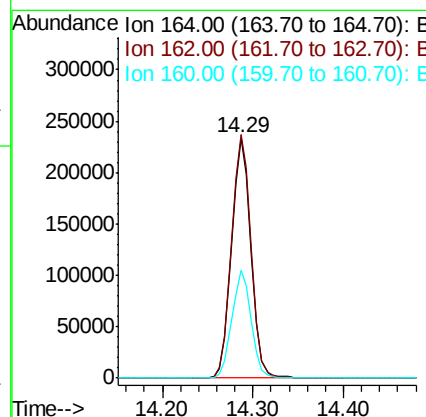
Manual Integrations
 APPROVED

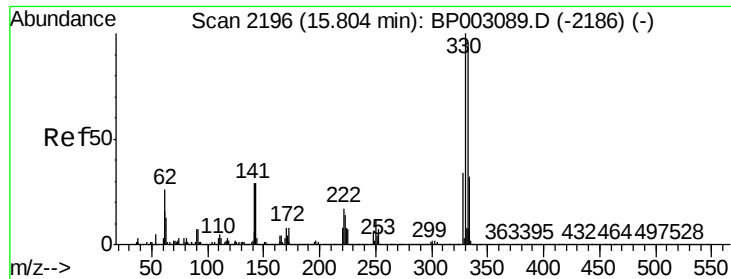
mohammad
 9/15/2020 1:22:18 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.29 min Scan# 1938
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.4	119.2
160	44.8	36.1	54.1





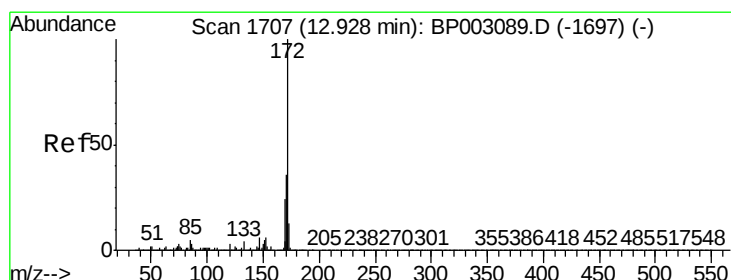
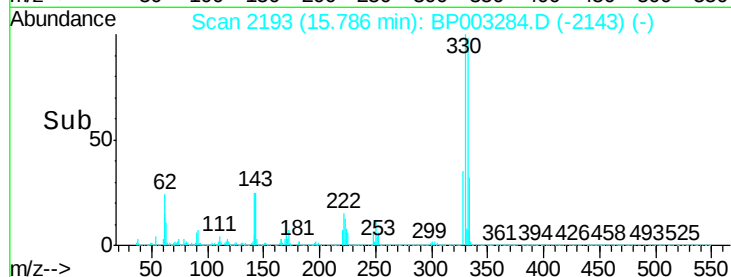
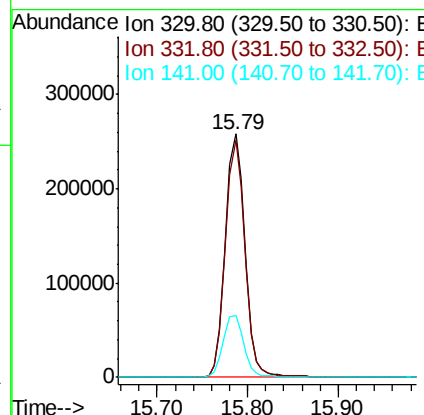
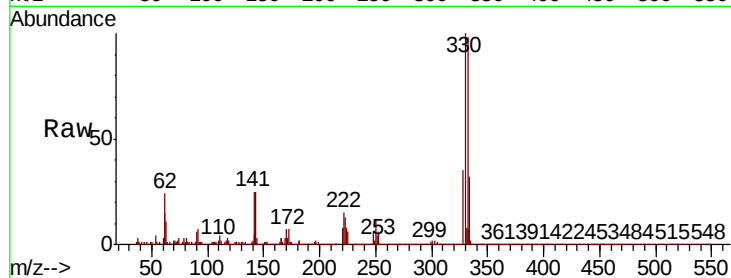
#42
 2,4,6-Tribromophenol
 Concen: 83.414 ng
 RT: 15.79 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	389609		
332	97.1		77.1	115.7
141	26.1		23.4	35.2

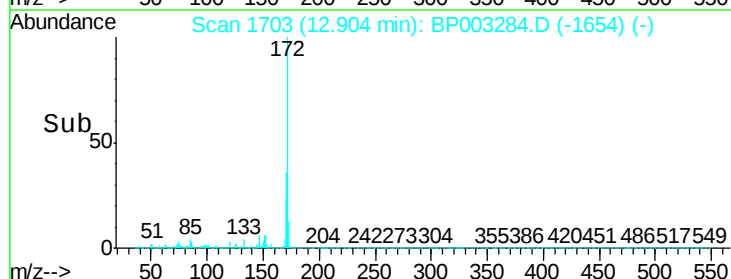
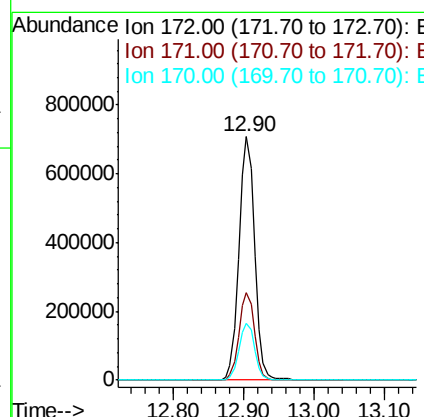
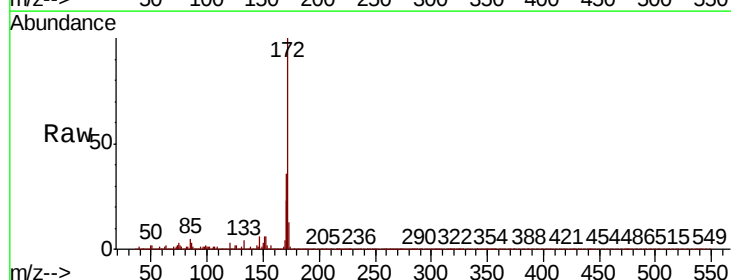
Manual Integrations
 APPROVED

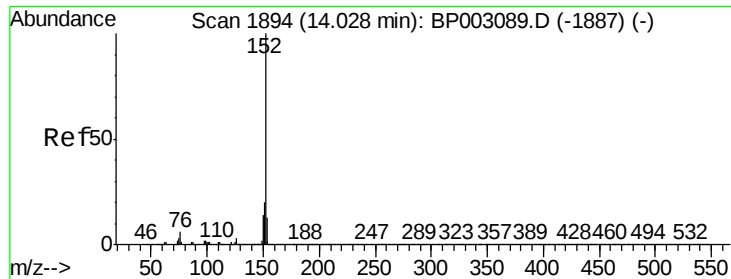
mohammad
 9/15/2020 1:22:18 PM



#45
 2-Fluorobiphenyl
 Concen: 46.268 ng
 RT: 12.90 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1091103		
171	36.0		28.5	42.7
170	23.5		19.2	28.8





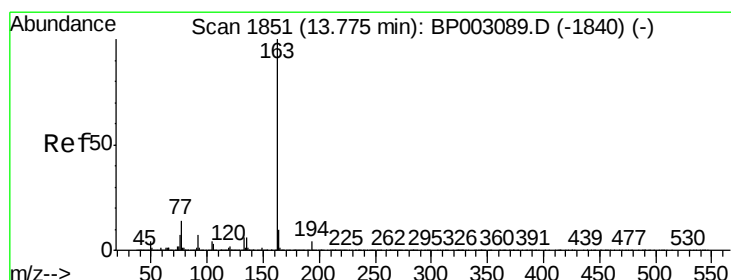
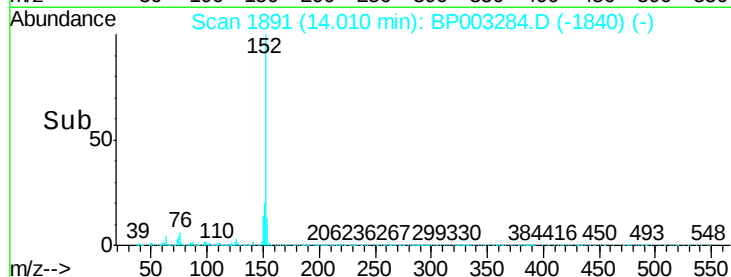
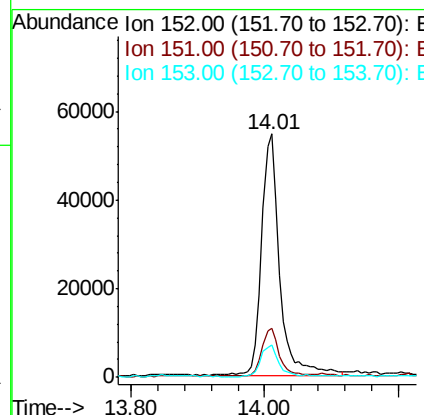
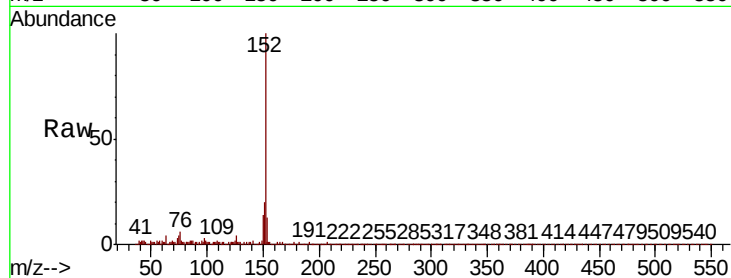
#49
Acenaphthylene
Concen: 3.125 ng
RT: 14.01 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Instrument :
BNA_P
ClientSampleId :
B18-0-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		100198		
151	20.0	15.9	23.9		
153	13.1	10.5	15.7		

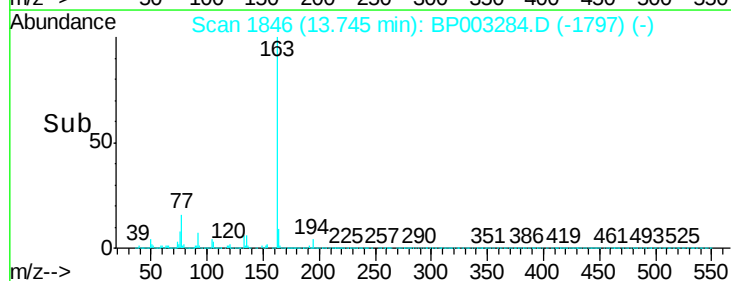
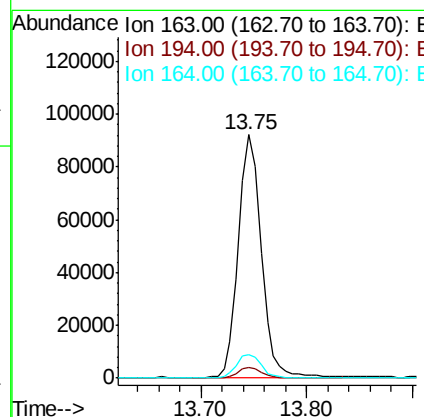
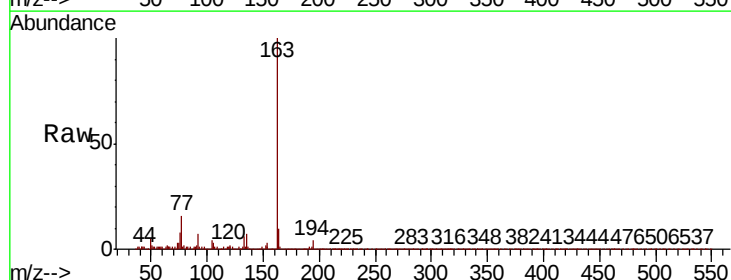
Manual Integrations
APPROVED

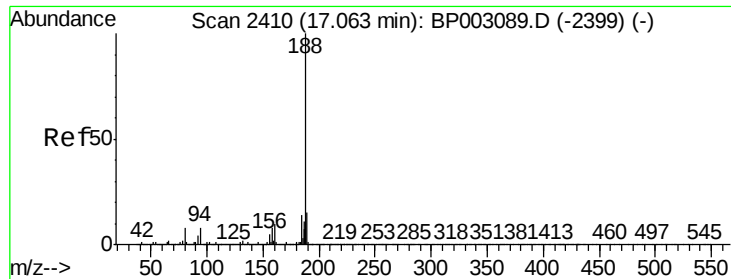
mohammad
9/15/2020 1:22:18 PM



#50
Dimethylphthalate
Concen: 5.217 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		137394		
194	4.3	3.3	4.9		
164	9.5	8.2	12.2		





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.04 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

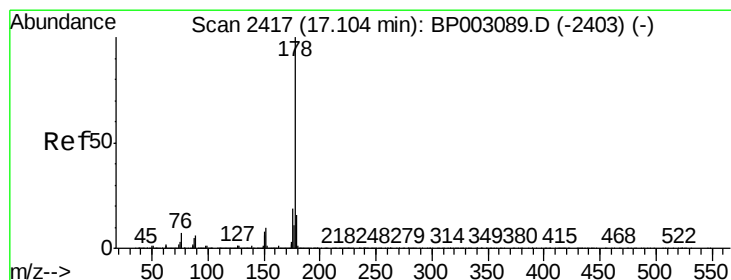
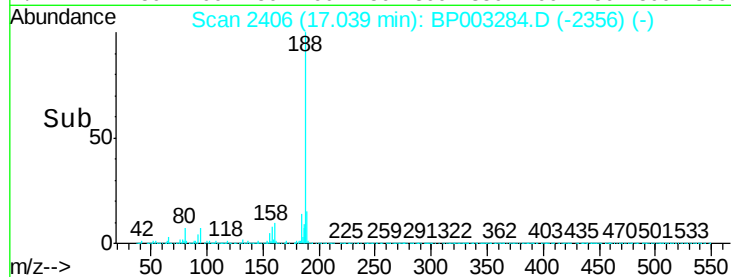
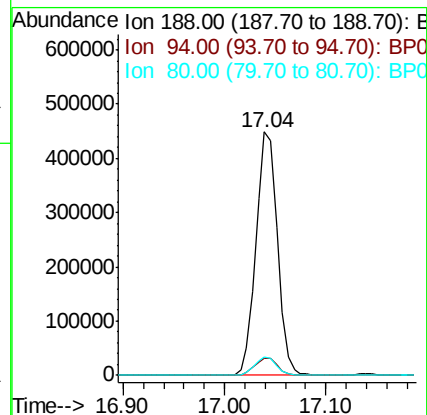
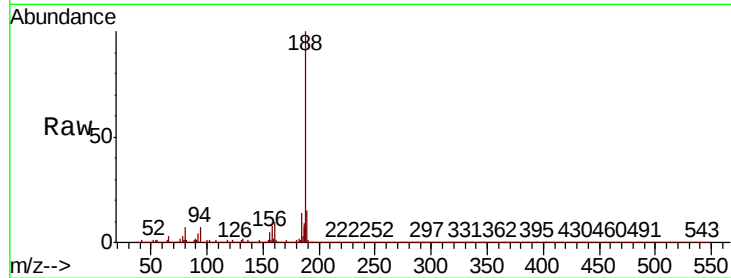
ClientSampleId :

B18-0-2

Tot Ion:	188	Resp:	658911
Ion Ratio	Lower	Upper	
188	100		
94	7.1	6.2	9.2
80	7.4	6.2	9.2

Manual Integrations
APPROVED

mohammad
9/15/2020 1:22:18 PM



#71

Phenanthrene

Concen: 17.714 ng

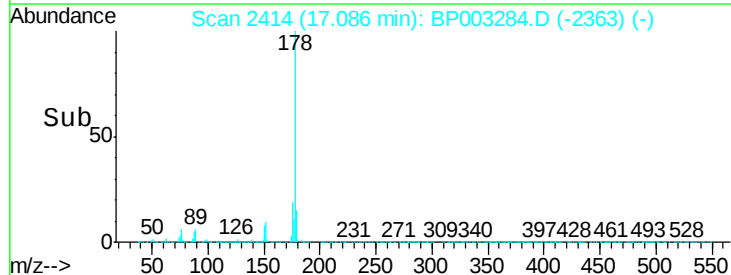
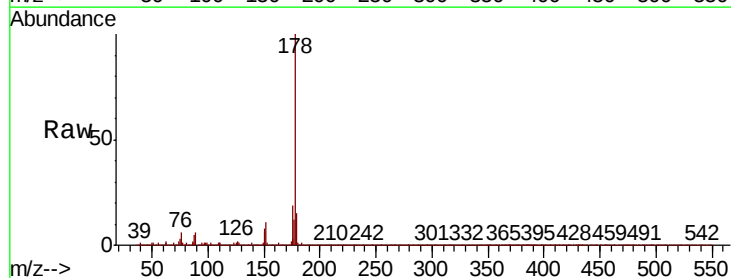
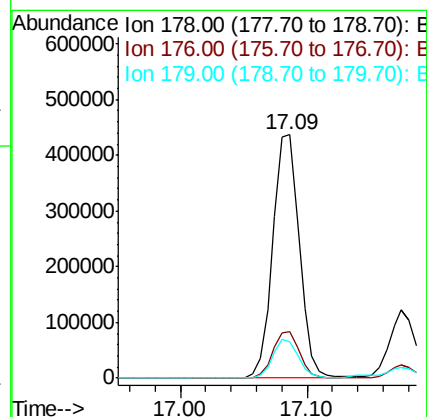
RT: 17.09 min Scan# 2414

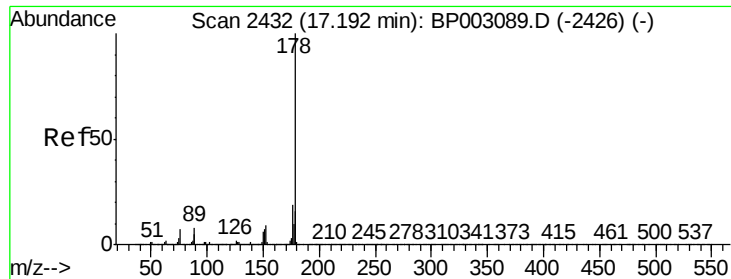
Delta R.T. -0.00 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Tgt Ion:	178	Resp:	632460
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	15.2	12.5	18.7





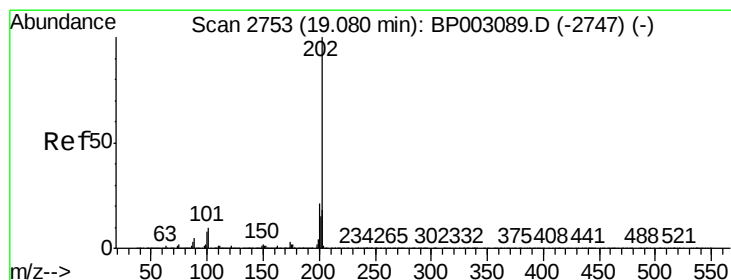
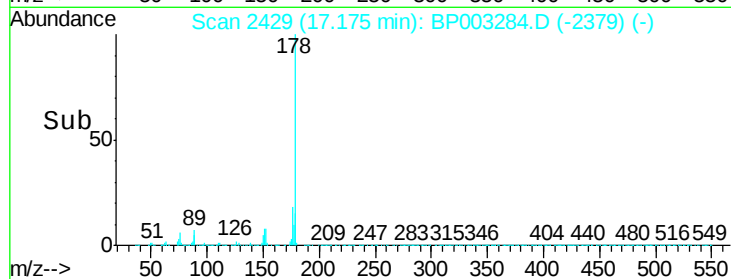
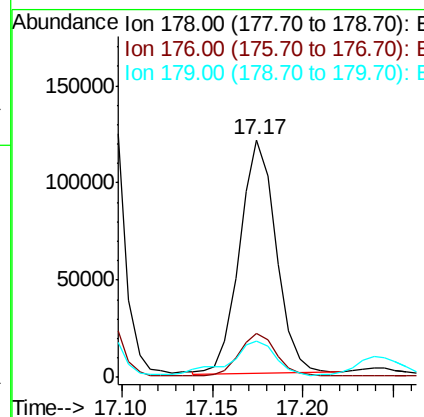
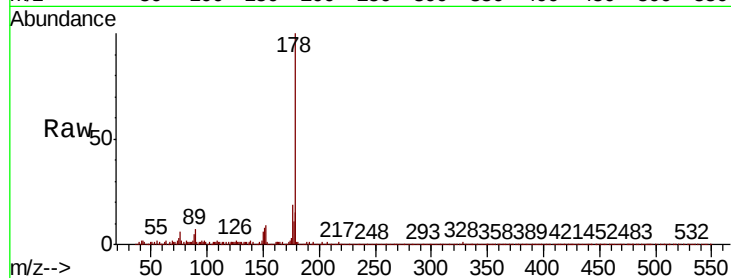
#72
 Anthracene
 Concen: 4.900 ng
 RT: 17.17 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

Tot Ion:	178	Resp:	167434
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.0	22.4
179	15.3	12.5	18.7

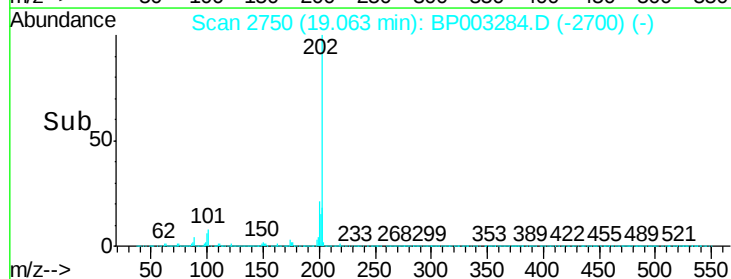
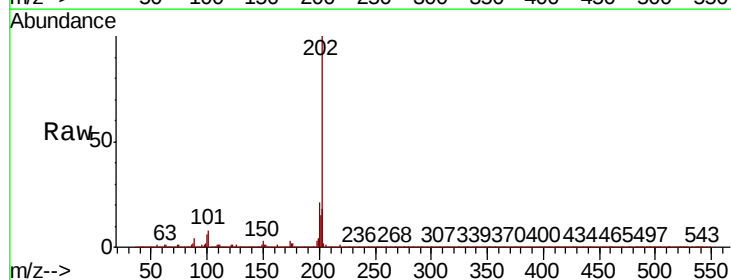
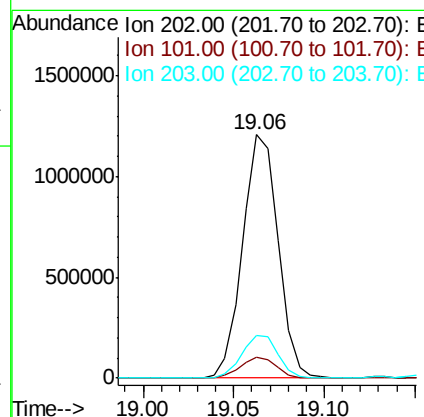
Manual Integrations
 APPROVED

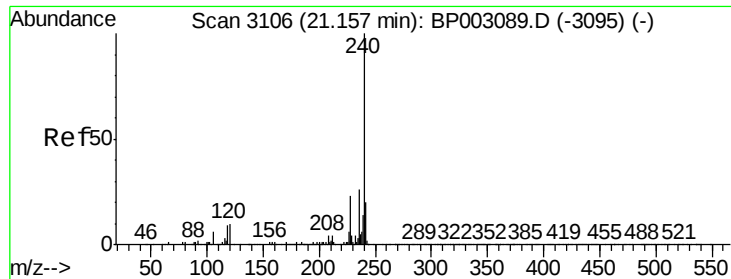
mohammad
 9/15/2020 1:22:18 PM



#75
 Fluoranthene
 Concen: 39.726 ng
 RT: 19.06 min Scan# 2750
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Tgt Ion:	202	Resp:	1639329
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	29.4
203	17.7	0.0	37.8





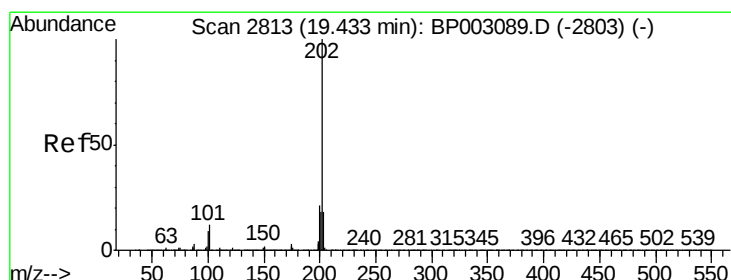
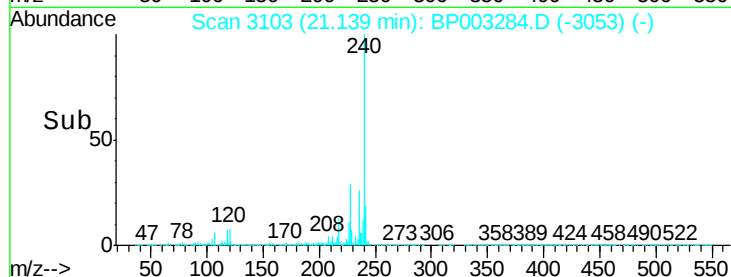
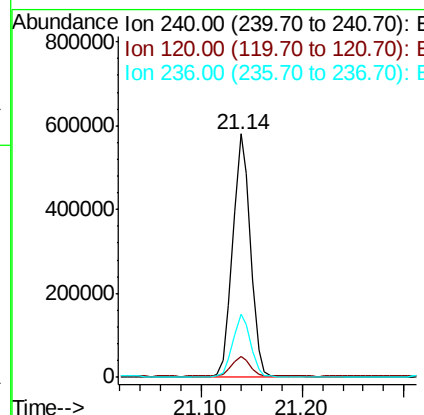
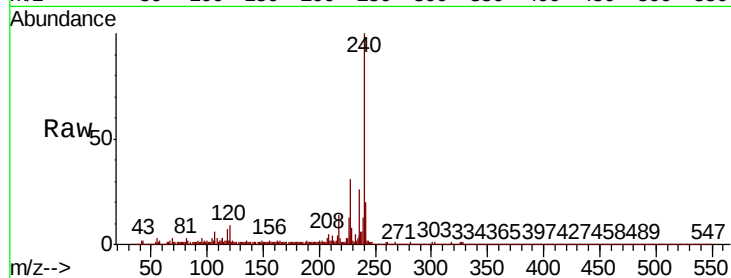
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.14 min Scan# 3103
 Delta R.T. -0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.8	11.6
236	26.0	20.8	31.2

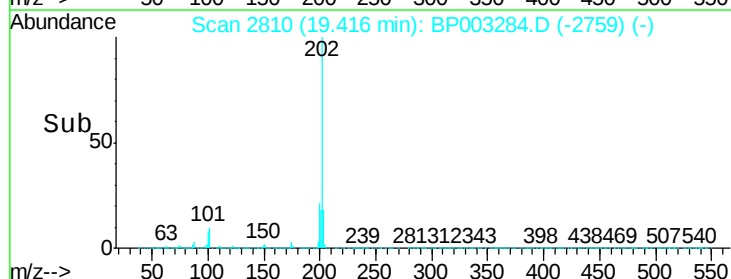
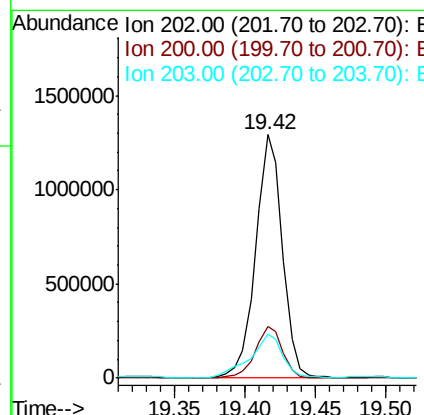
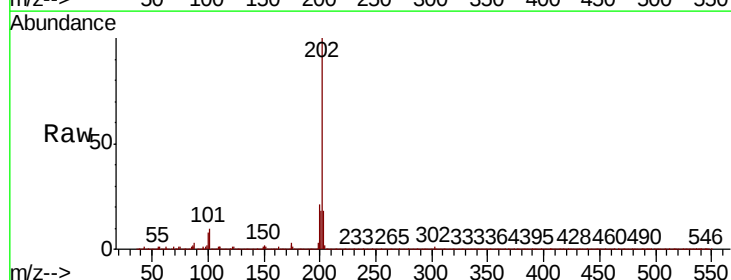
Manual Integrations
 APPROVED

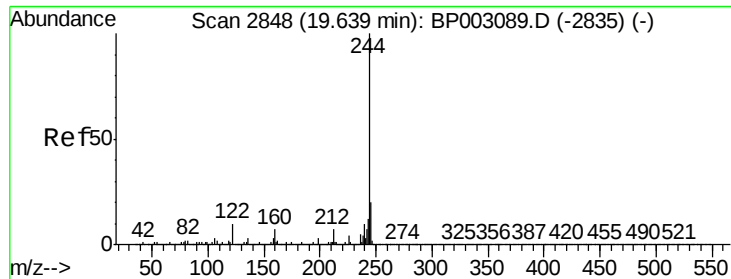
mohammad
 9/15/2020 1:22:18 PM



#78
 Pyrene
 Concen: 37.819 ng
 RT: 19.42 min Scan# 2810
 Delta R.T. -0.00 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.1	14.2	21.2





#79

Terphenyl-d14

Concen: 52.385 ng

RT: 19.62 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

ClientSampleId :

B18-0-2

Tot Ion:244 Resp: 1668804

Ion Ratio Lower Upper

244 100

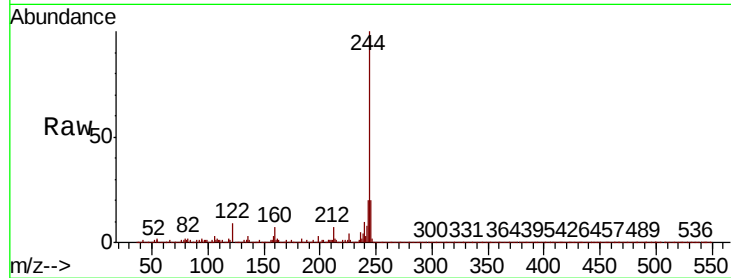
212 7.2 5.8 8.6

122 8.6 7.8 11.8

Manual Integrations
APPROVED

mohammad

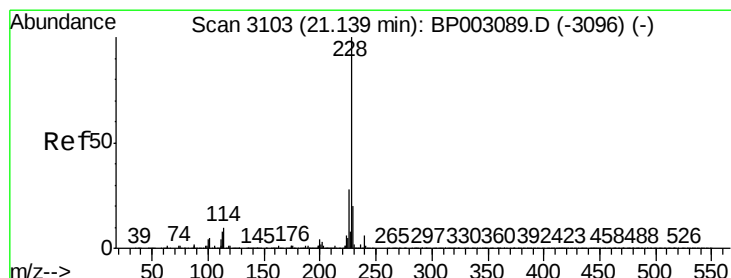
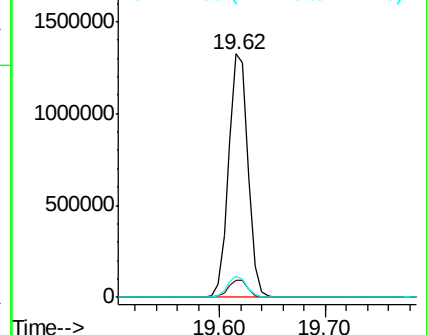
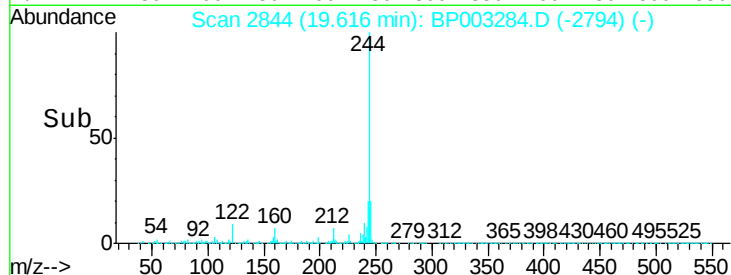
9/15/2020 1:22:18 PM



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: 21.779 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

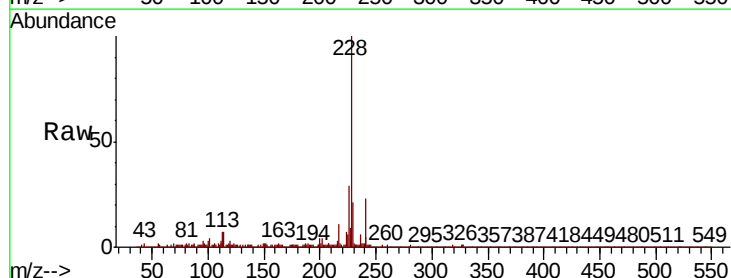
Tgt Ion:228 Resp: 956296

Ion Ratio Lower Upper

228 100

226 29.1 22.1 33.1

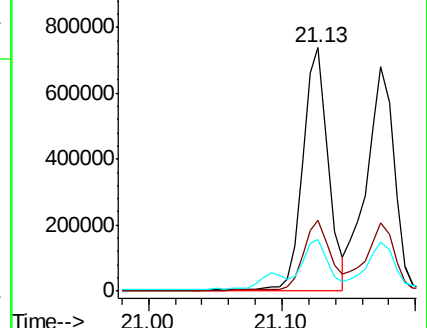
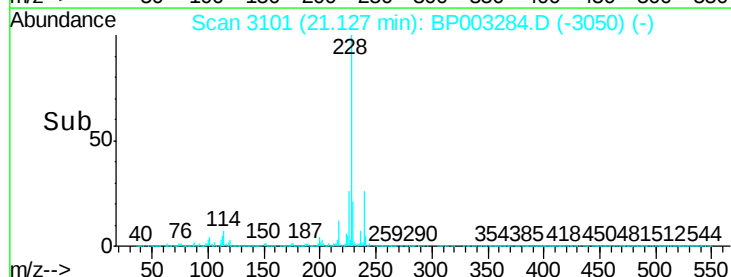
229 21.0 15.9 23.9

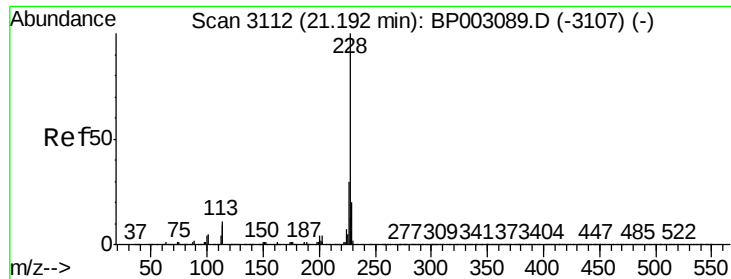


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 23.184 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Instrument :

BNA_P

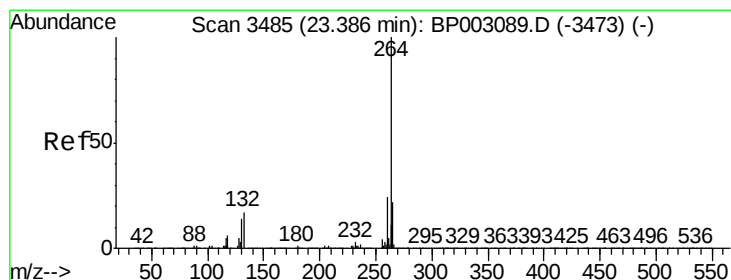
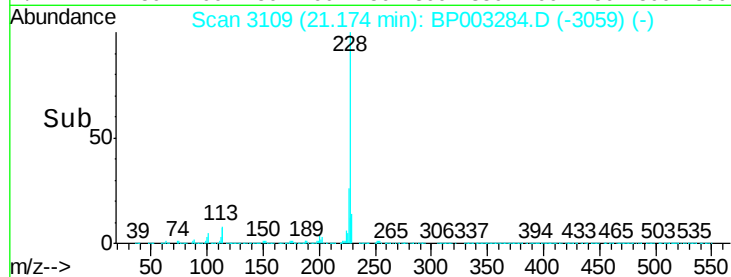
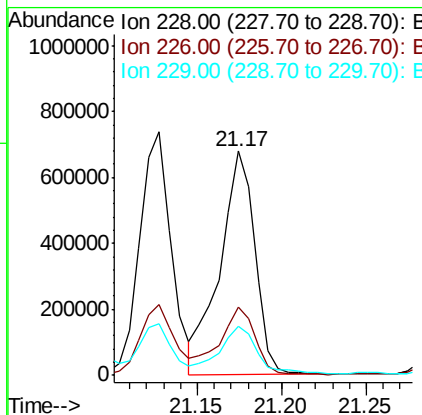
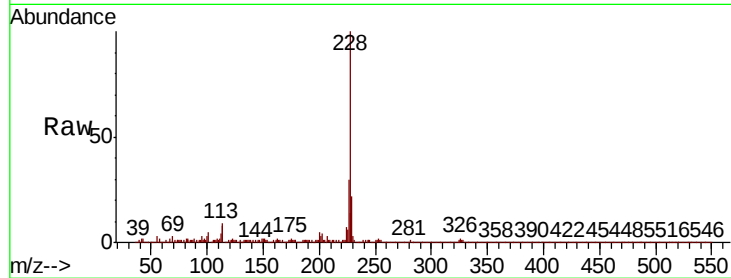
ClientSampled :

B18-0-2

Tot Ion:	228	Resp:	974650
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	22.1	15.8	23.6

Manual Integrations
APPROVED

mohammad
9/15/2020 1:22:18 PM



#86

Perylene-d12

Concen: 20.000 ng

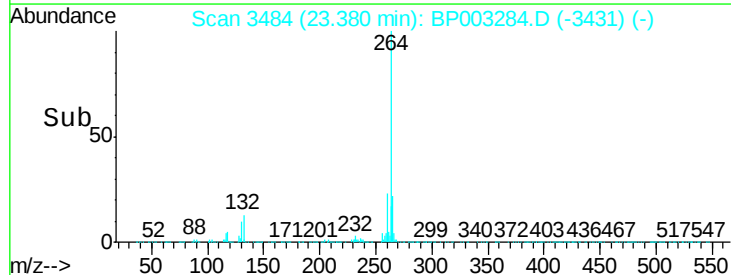
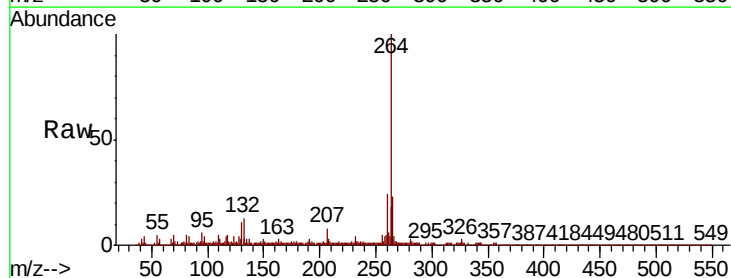
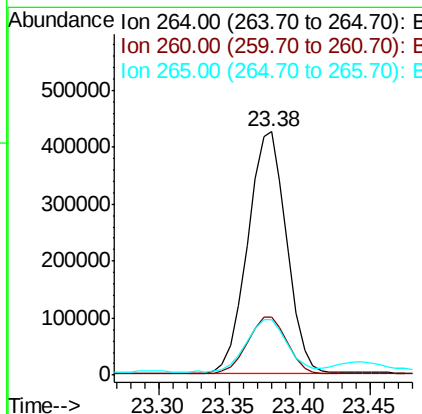
RT: 23.38 min Scan# 3484

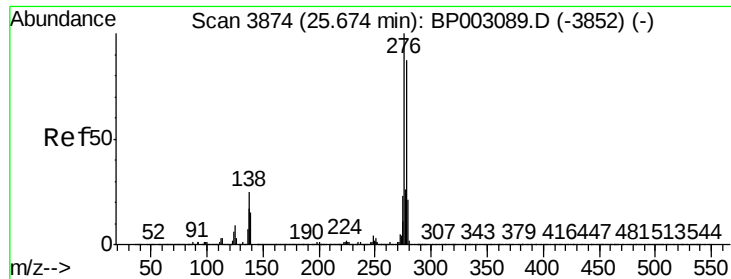
Delta R.T. 0.01 min

Lab File: BP003284.D

Acq: 15 Sep 2020 00:02

Tgt Ion:	264	Resp:	820598
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.8	28.2
265	22.7	17.4	26.2





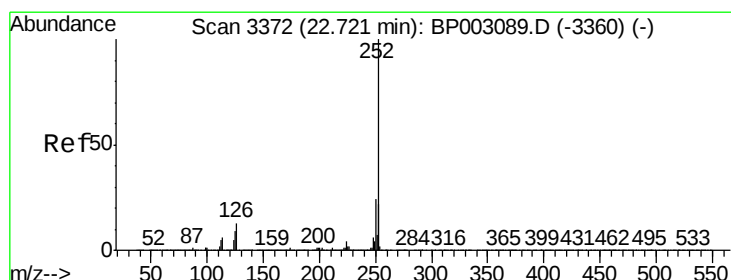
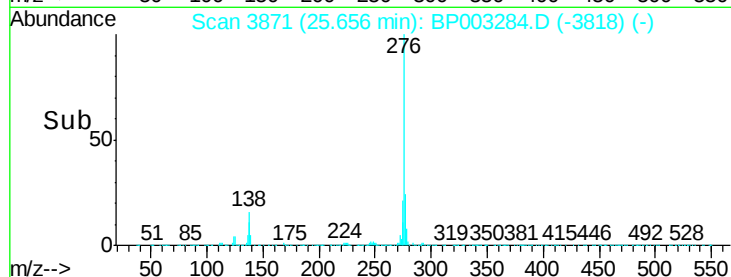
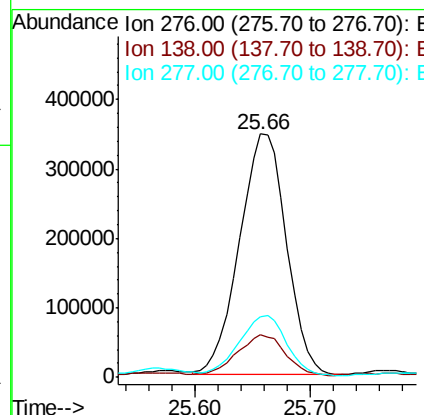
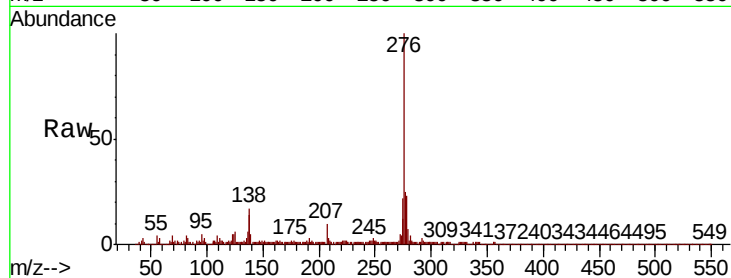
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.941 ng
 RT: 25.66 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Instrument :
 BNA_P
 ClientSampleId :
 B18-0-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	18.7	28.1#
277	25.1	20.4	30.6

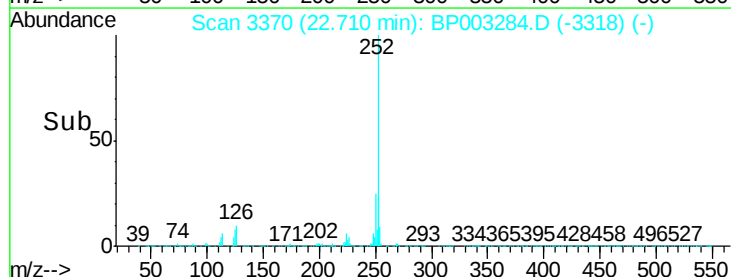
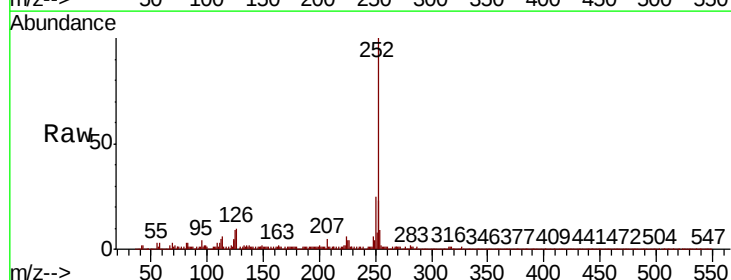
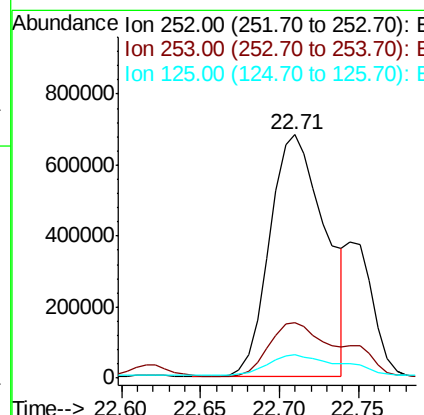
Manual Integrations
 APPROVED

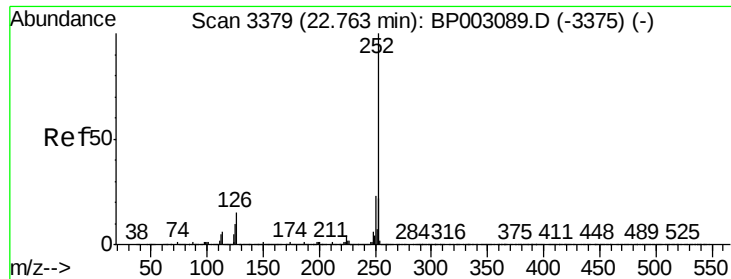
mohammad
 9/15/2020 1:22:18 PM



#88
 Benzo(b)fluoranthene
 Concen: 32.924 ng m
 RT: 22.71 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: BP003284.D
 Acq: 15 Sep 2020 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.4	7.3	10.9





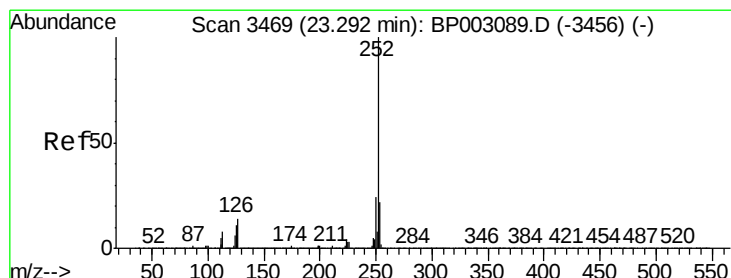
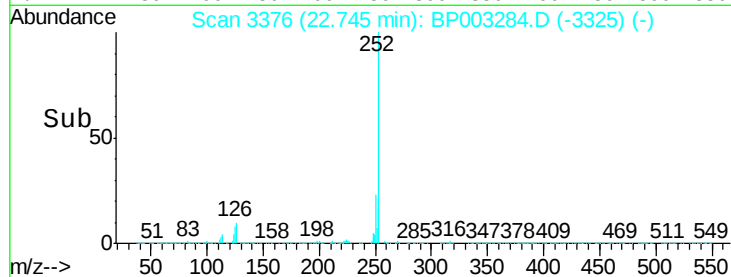
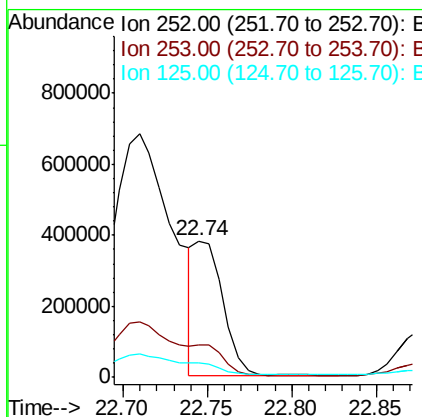
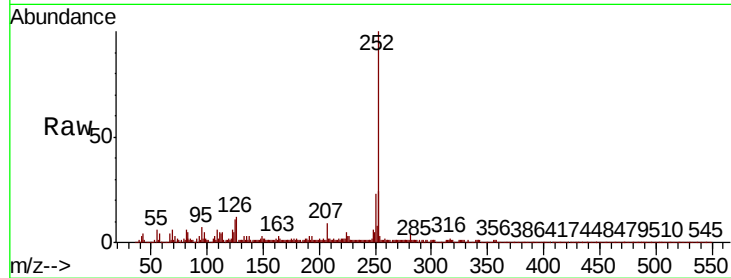
#89
Benzo(k)fluoranthene
Concen: 8.891 ng m
RT: 22.74 min Scan# 3376
Delta R.T. -0.00 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Instrument :
BNA_P
ClientSampleId :
B18-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	10.6	7.4	11.2

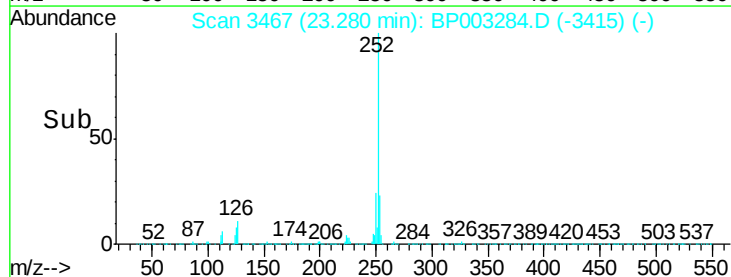
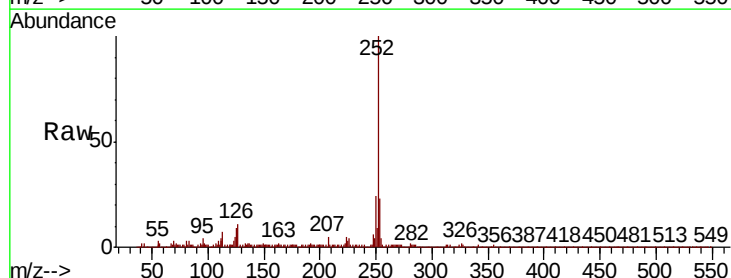
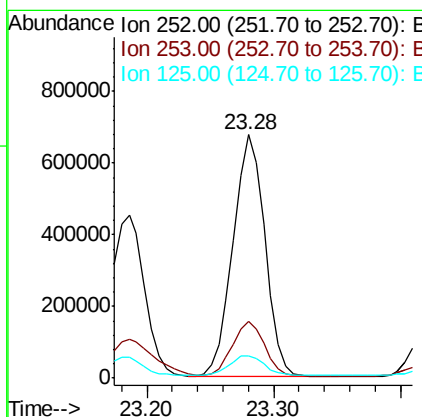
Manual Integrations
APPROVED

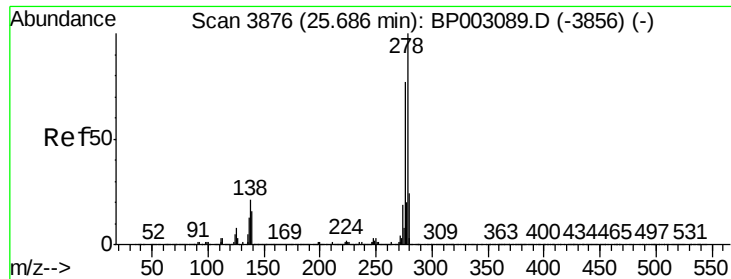
mohammad
9/15/2020 1:22:18 PM



#90
Benzo(a)pyrene
Concen: 24.959 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	9.3	8.2	12.4





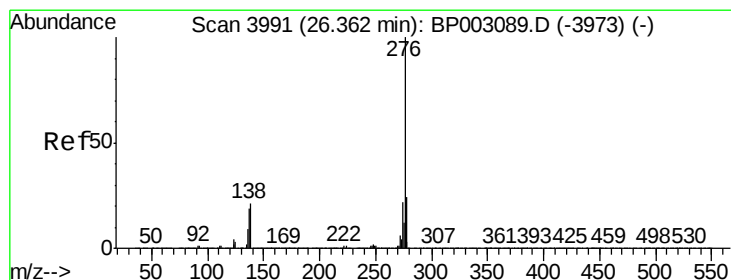
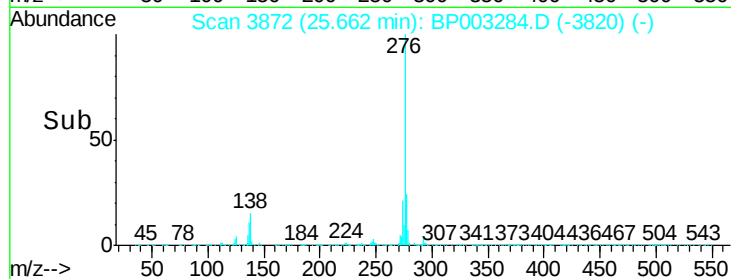
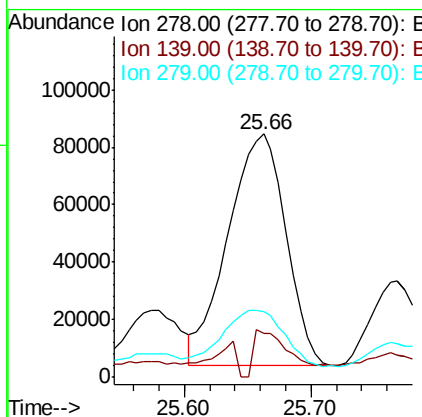
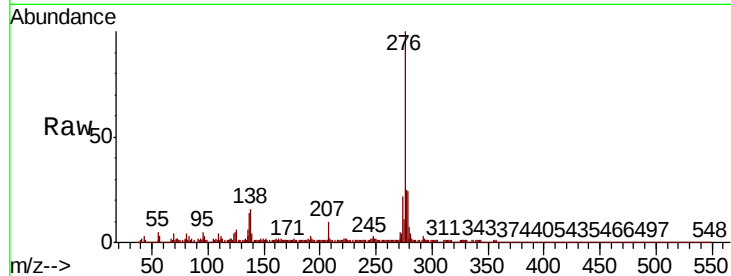
#91
Dibenzo(a,h)anthracene
Concen: 5.083 ng
RT: 25.66 min Scan# 3872
Delta R.T. 0.01 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Instrument :
BNA_P
ClientSampled :
B18-0-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	12.4	18.6
279	27.2	19.0	28.6

Manual Integrations
APPROVED

mohammad
9/15/2020 1:22:18 PM



#92
Benzo(g,h,i)perylene
Concen: 19.544 ng
RT: 26.36 min Scan# 3990
Delta R.T. 0.02 min
Lab File: BP003284.D
Acq: 15 Sep 2020 00:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.6
138	17.8	16.6	24.8

