

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
 Data File : BP002780.D
 Acq On : 16 Jul 2020 19:37
 Operator : CG/JU
 Sample : L3310-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-1

Manual Integrations
 APPROVED

mohammad
 7/17/2020 12:30:37 PM

Quant Time: Jul 17 01:01:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	232711	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	951700	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	520938	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	850502	20.00	ng	0.00
76) Chrysene-d12	21.08	240	578454	20.00	ng	0.00
86) Perylene-d12	23.27	264	597772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	976294	70.78	ng	0.00
7) Phenol-d6	6.76	99	1328577	67.49	ng	0.00
23) Nitrobenzene-d5	8.70	82	876142	49.24	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	352500	64.82	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1691580	50.23	ng	0.00
79) Terphenyl-d14	19.56	244	1299508	51.51	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.71	77	30114	2.816	ng	96
31) Naphthalene	10.38	128	166117	3.306	ng	99
49) Acenaphthylene	13.93	152	181292	3.646	ng	98
50) Dimethylphthalate	13.67	163	632669	15.925	ng	99
55) Dibenzofuran	14.62	168	112402	2.358	ng	97
58) Fluorene	15.27	166	140841	3.993	ng	97
71) Phenanthrene	17.01	178	1519670	33.001	ng	99
72) Anthracene	17.10	178	244653	5.414	ng	99
73) Carbazole	17.38	167	160175	3.612	ng	98
75) Fluoranthene	19.00	202	1639028	30.718	ng	99
78) Pyrene	19.35	202	1283628	32.140	ng	99
81) Benzo(a)anthracene	21.06	228	495664	13.237	ng	97
83) Chrysene	21.12	228	545220	15.296	ng	98
87) Indeno(1,2,3-cd)pyrene	25.47	276	359574	8.323	ng	96
88) Benzo(b)fluoranthene	22.62	252	736862	19.852	ng	99
89) Benzo(k)fluoranthene	22.66	252	255597m	6.991	ng	
90) Benzo(a)pyrene	23.17	252	522003	14.840	ng	100
91) Dibenzo(a,h)anthracene	25.47	278	89600	2.572	ng	# 80
92) Benzo(a,h,i)perylene	26.15	276	352618	9.981	ng	99

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

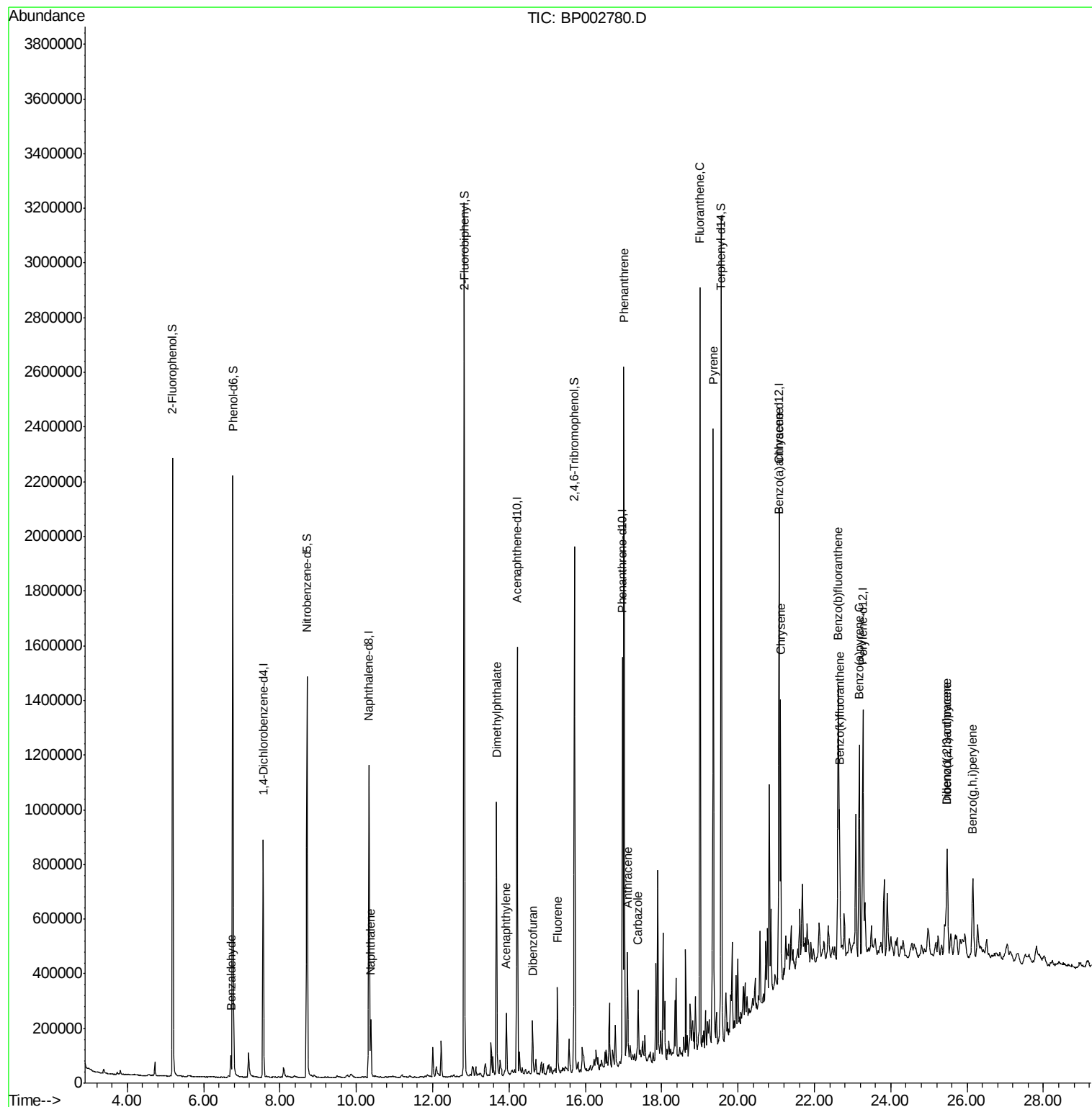
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
Data File : BP002780.D
Acq On : 16 Jul 2020 19:37
Operator : CG/JU
Sample : L3310-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-1

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:37 PM

Quant Time: Jul 17 01:01:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 10:54:03 2020
Response via : Initial Calibration





#1

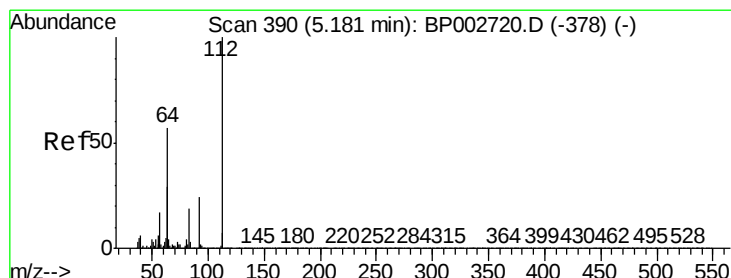
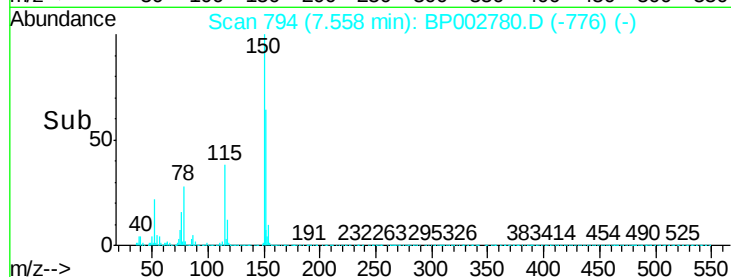
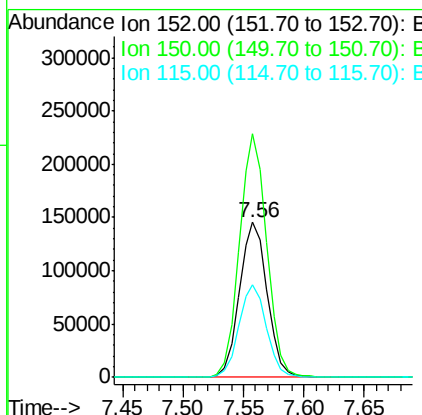
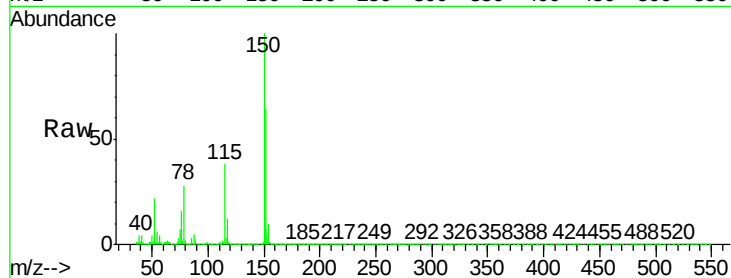
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampleId :
S-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.7	185.5
115	60.0	47.2	70.8

Manual Integrations
APPROVED

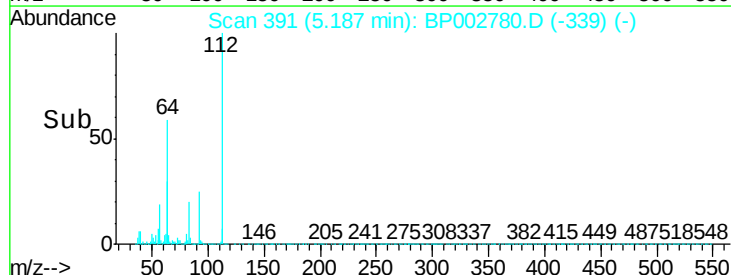
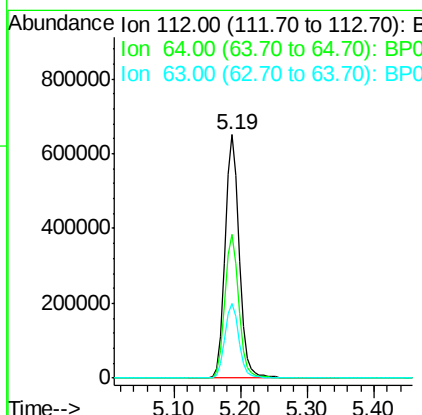
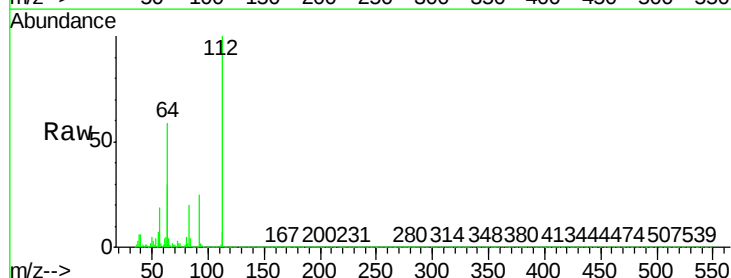
mohammad
7/17/2020 12:30:37 PM

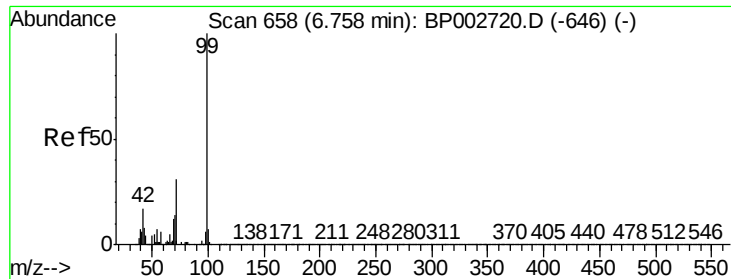


#5

2-Fluorophenol
Concen: 70.783 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.6	68.4
63	30.4	23.5	35.3





#7

Phenol-d6

Concen: 67.493 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002780.D

Acq: 16 Jul 2020 19:37

Instrument :

BNA_P

ClientSampled :

S-1

Tot Ion: 99 Resp: 1328577

Ion Ratio Lower Upper

99 100

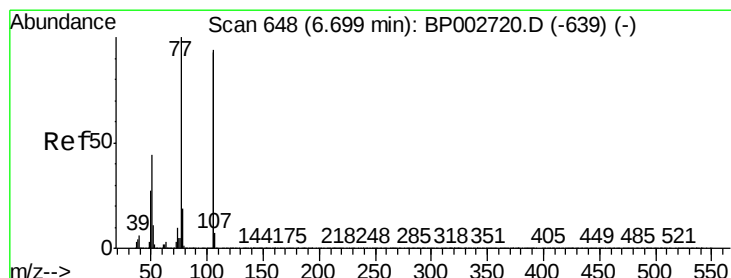
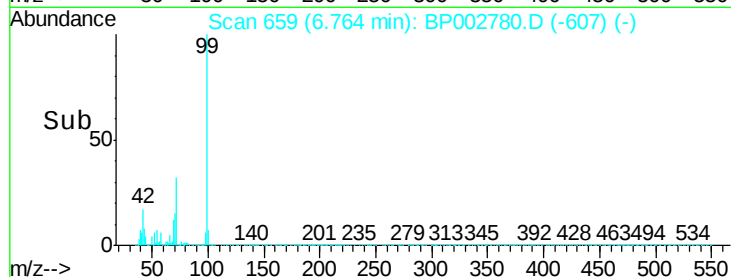
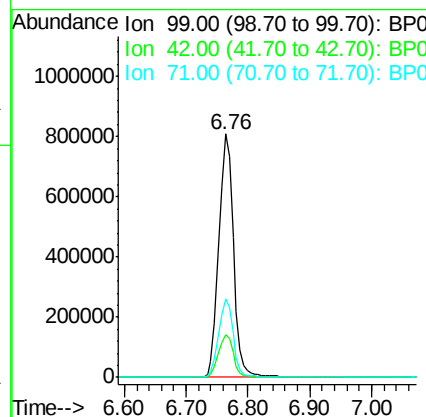
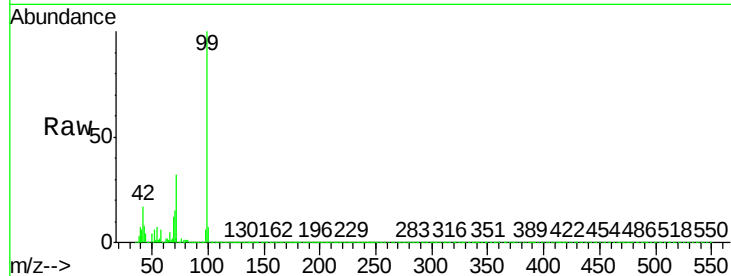
42 17.4 13.4 20.2

71 32.3 24.6 36.8

Manual Integrations
APPROVED

mohammad

7/17/2020 12:30:37 PM



#9

Benzaldehyde

Concen: 2.816 ng

RT: 6.71 min Scan# 650

Delta R.T. 0.01 min

Lab File: BP002780.D

Acq: 16 Jul 2020 19:37

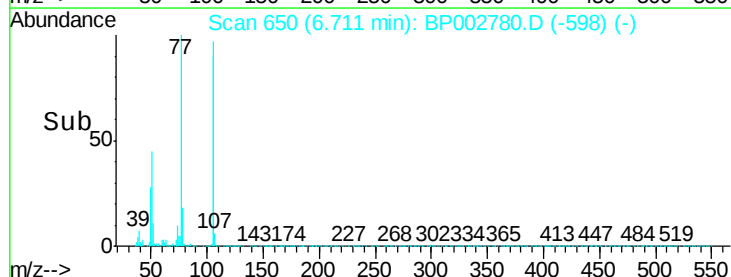
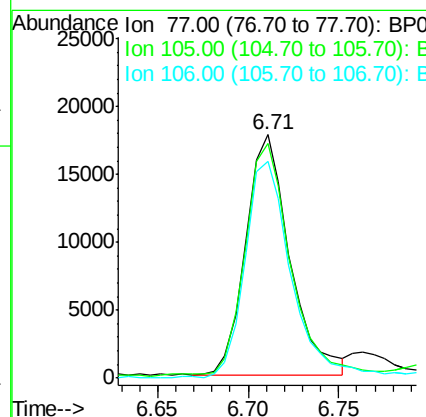
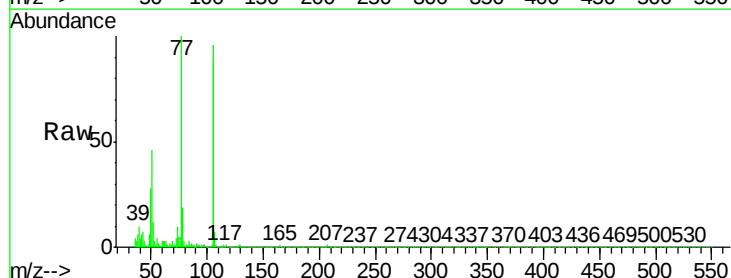
Tgt Ion: 77 Resp: 30114

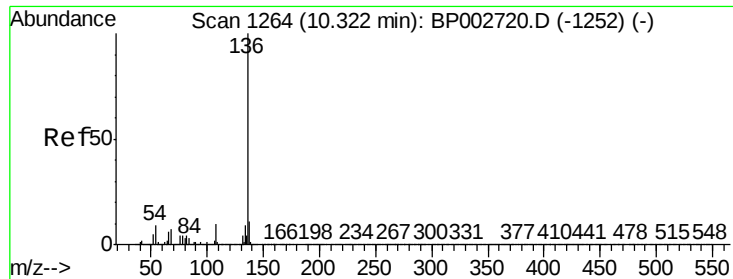
Ion Ratio Lower Upper

77 100

105 96.2 73.2 113.2

106 89.0 73.6 113.6





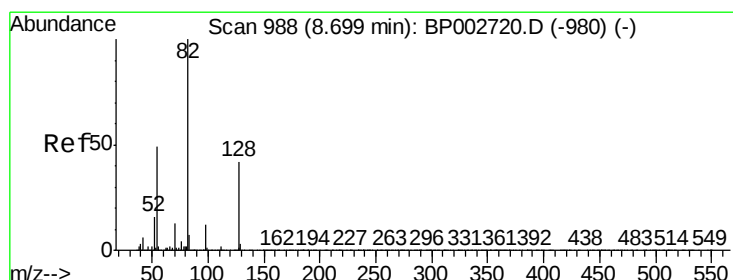
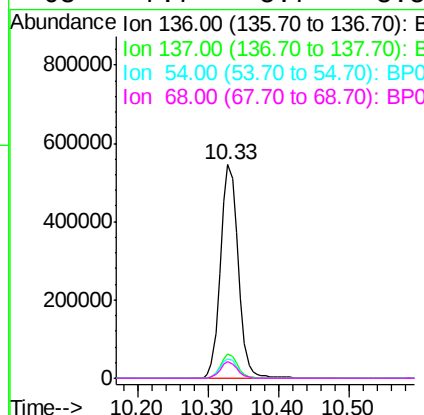
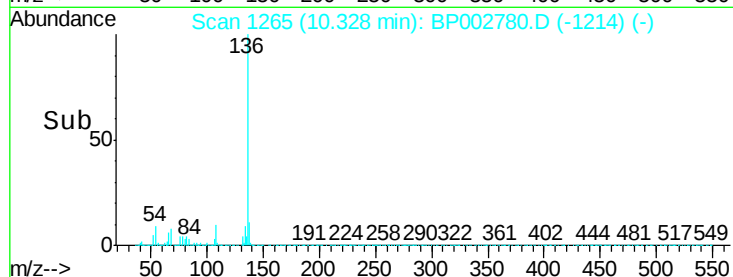
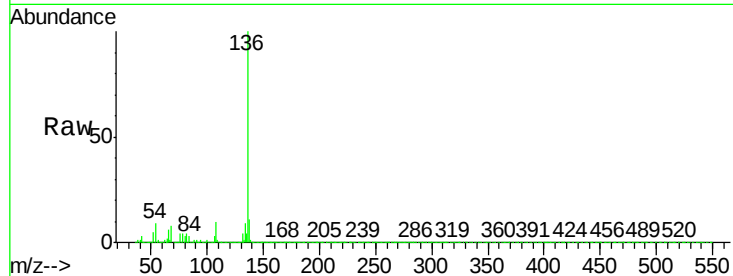
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampleId :
S-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.6	13.0
54	9.2	6.9	10.3
68	7.7	5.7	8.5

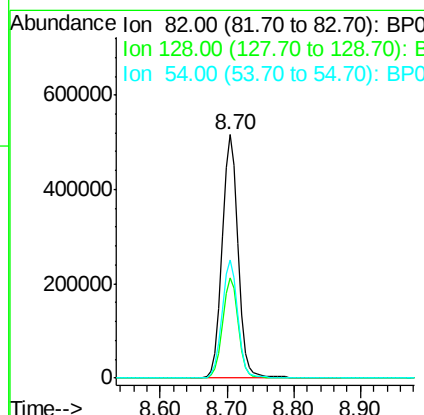
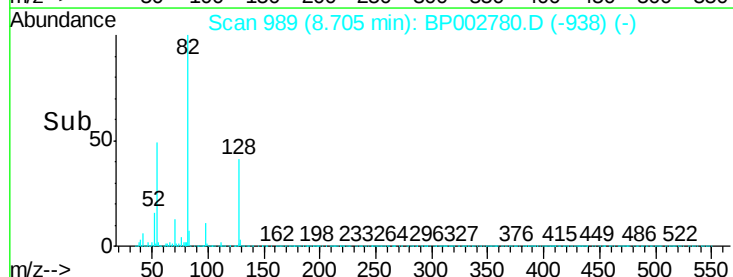
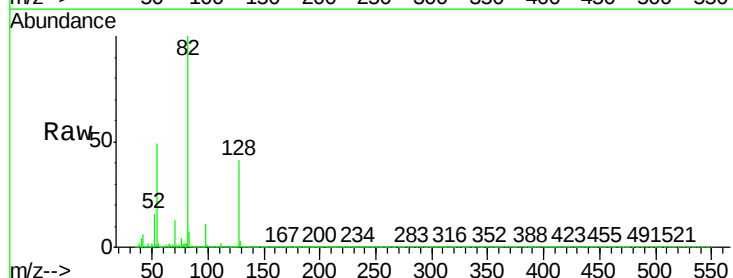
Manual Integrations
APPROVED

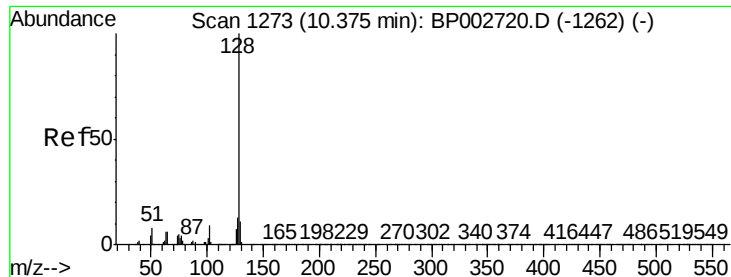
mohammad
7/17/2020 12:30:37 PM



#23
Nitrobenzene-d5
Concen: 49.237 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.2	33.8	50.8
54	48.7	38.8	58.2





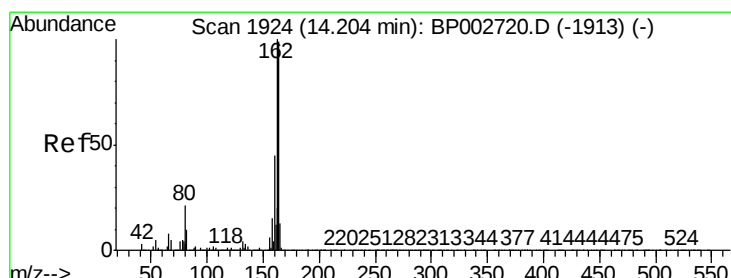
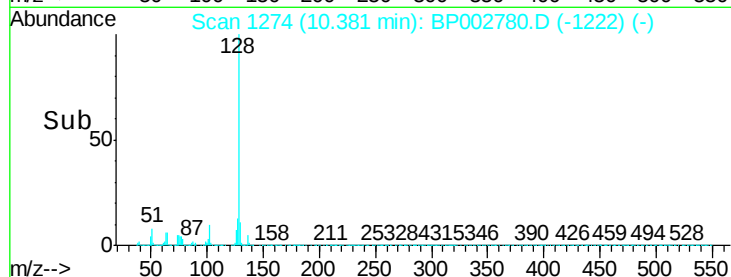
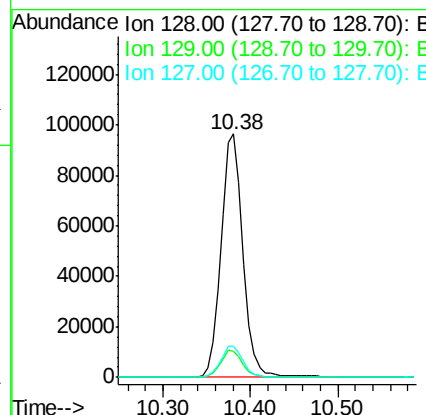
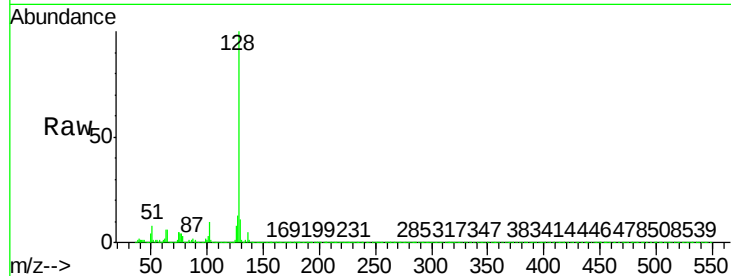
#31
Naphthalene
Concen: 3.306 ng
RT: 10.38 min Scan# 1274
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampleId :
S-1

Tot Ion	Ratio	Resp	Lower	Upper
128	100	166117		
129	10.9	8.6	13.0	
127	12.6	10.6	15.8	

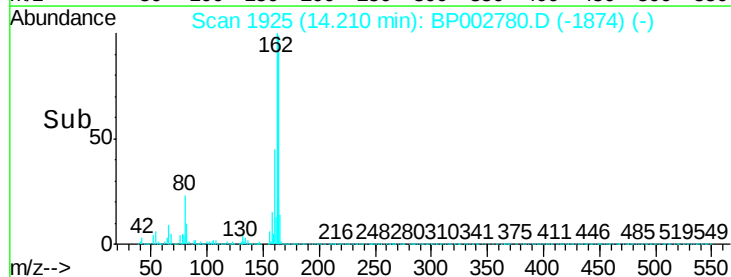
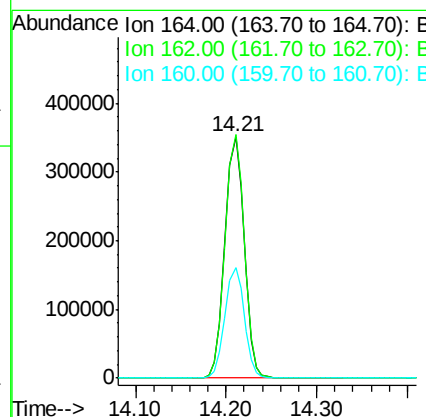
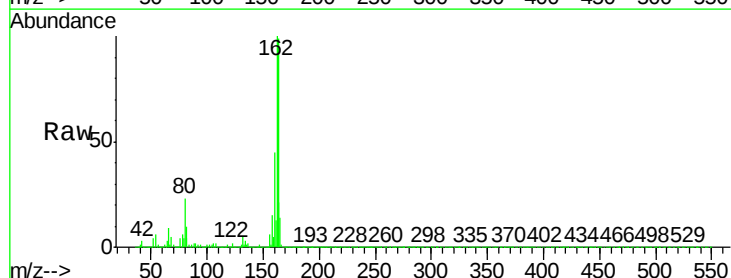
Manual Integrations
APPROVED

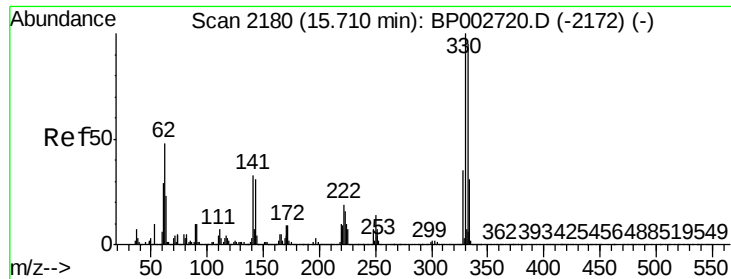
mohammad
7/17/2020 12:30:37 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	520938		
162	100.9	80.6	121.0	
160	45.8	36.4	54.6	





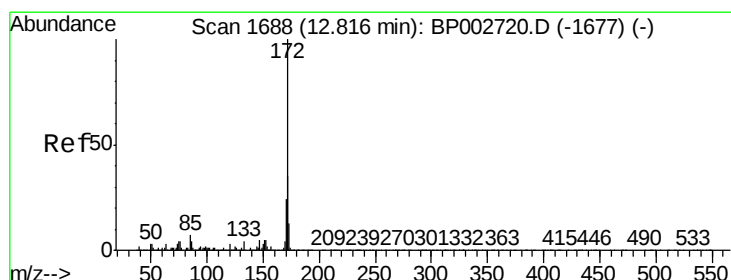
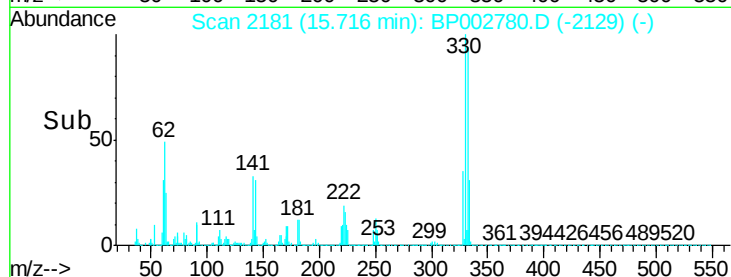
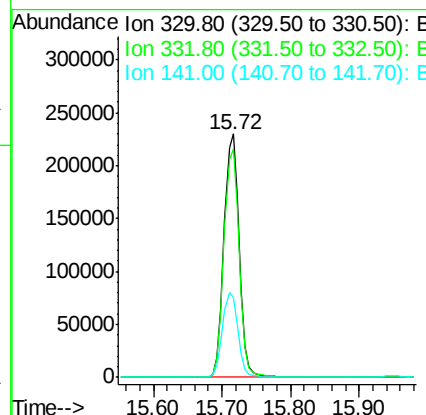
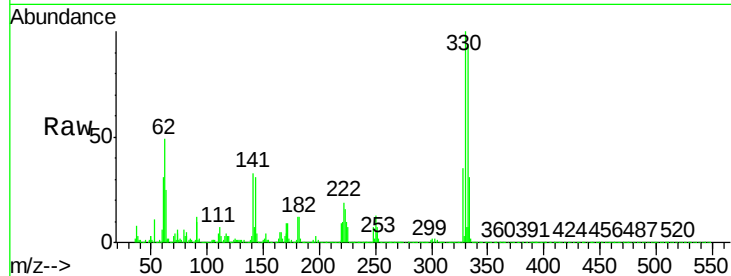
#42
2,4,6-Tribromophenol
Concen: 64.824 ng
RT: 15.72 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampleId :
S-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	352500		
332	94.8	76.5	114.7	
141	35.0	28.8	43.2	

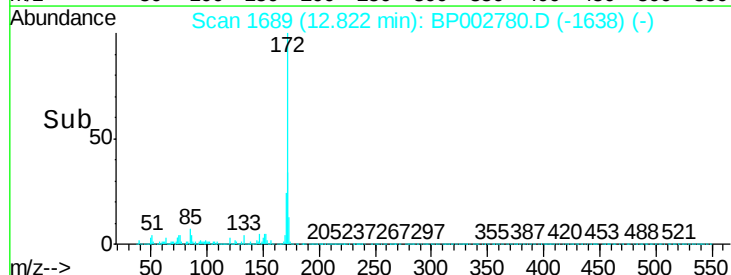
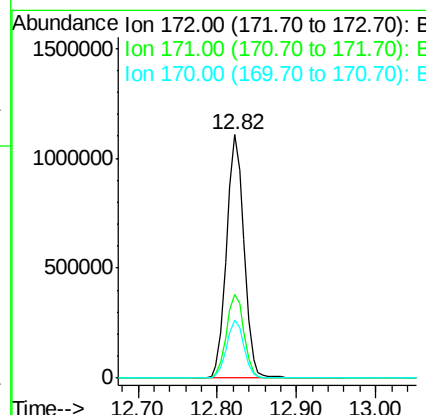
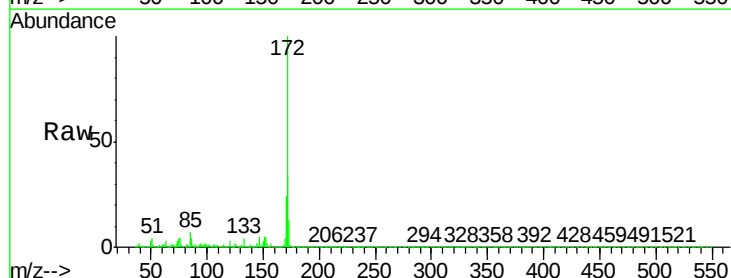
Manual Integrations
APPROVED

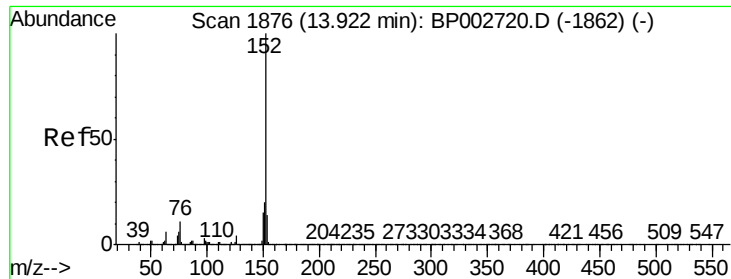
mohammad
7/17/2020 12:30:37 PM



#45
2-Fluorobiphenyl
Concen: 50.233 ng
RT: 12.82 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1691580		
171	34.3	28.1	42.1	
170	23.8	19.3	28.9	





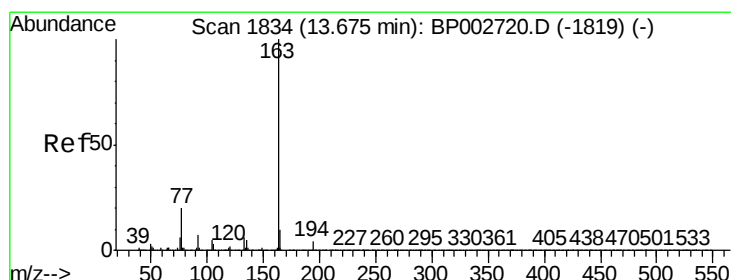
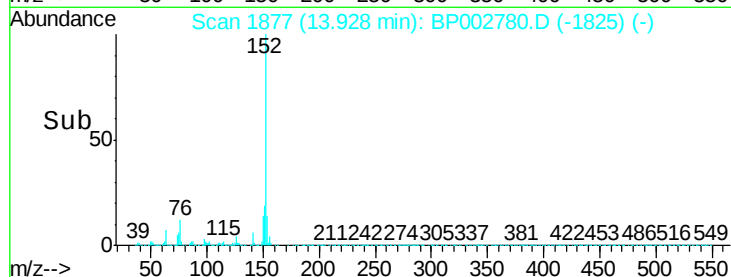
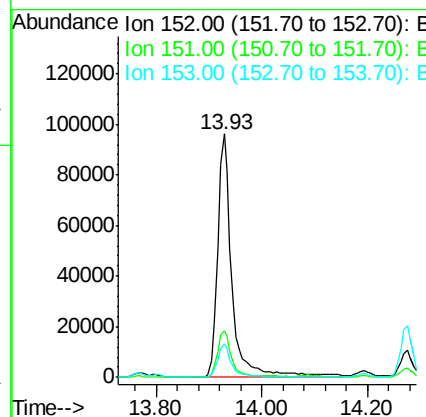
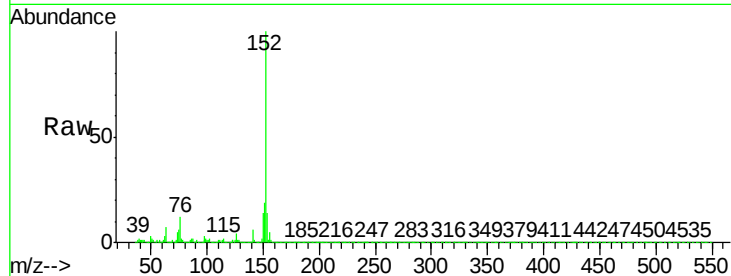
#49
Acenaphthylene
Concen: 3.646 ng
RT: 13.93 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampleId :
S-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		181292		
151	19.2	16.2	24.4		
153	13.9	10.9	16.3		

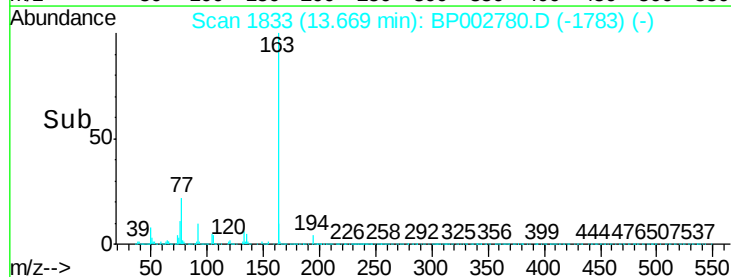
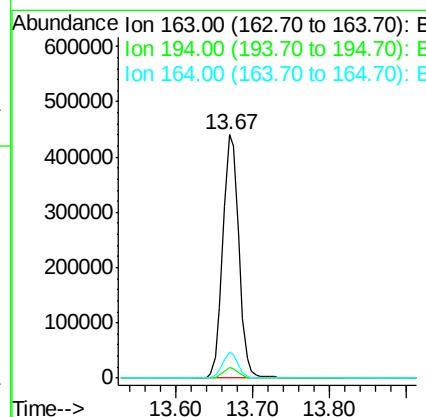
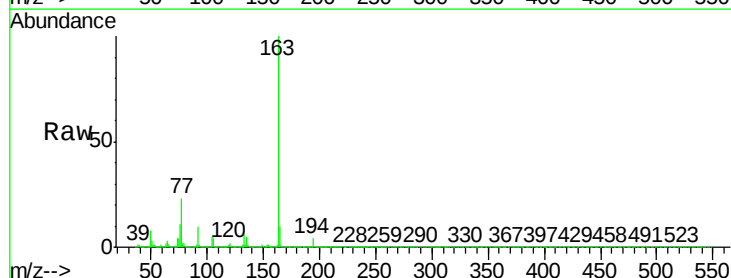
Manual Integrations
APPROVED

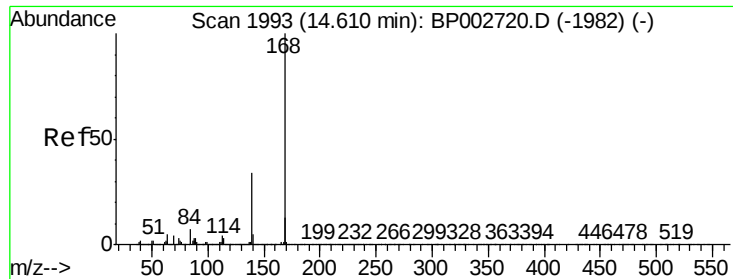
mohammad
7/17/2020 12:30:37 PM



#50
Dimethylphthalate
Concen: 15.925 ng
RT: 13.67 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		632669		
194	4.3	3.4	5.2		
164	10.4	7.8	11.8		





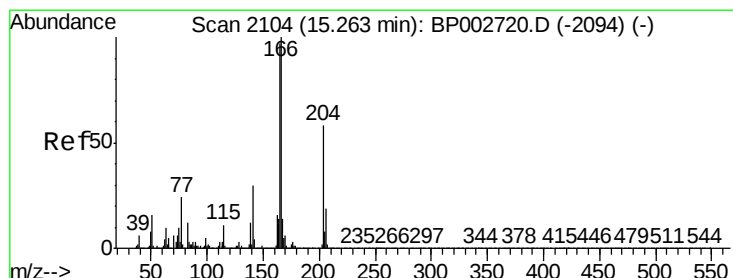
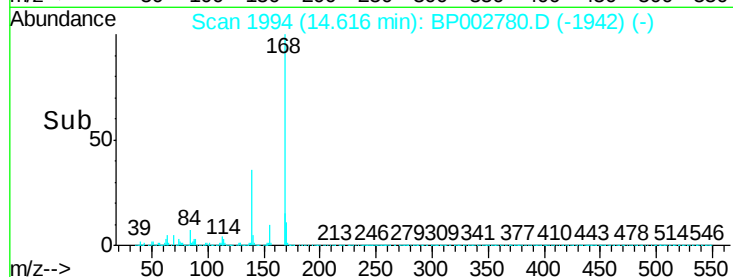
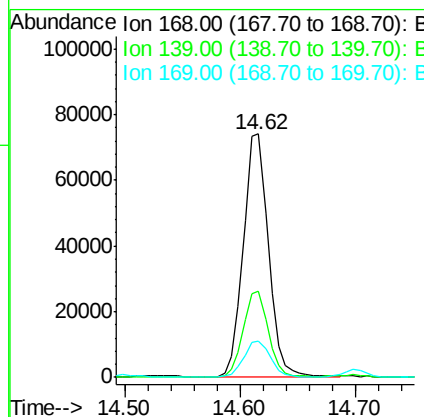
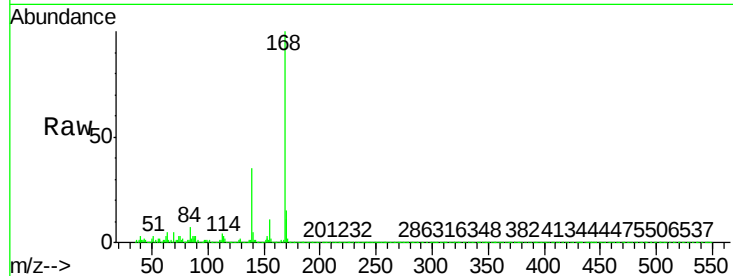
#55
Dibenzenofuran
Concen: 2.358 ng
RT: 14.62 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.4	27.1	40.7
169	15.1	10.8	16.2

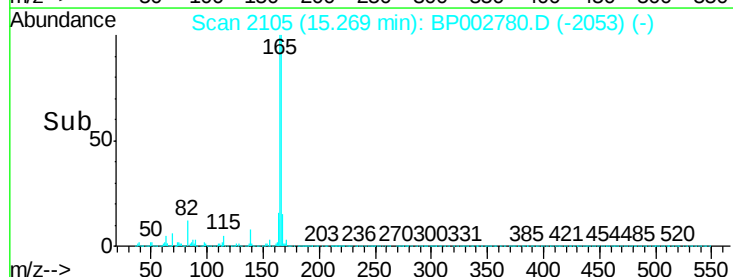
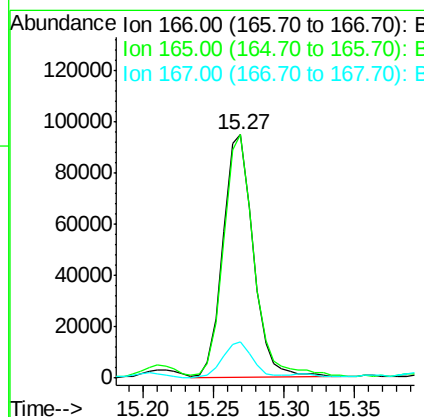
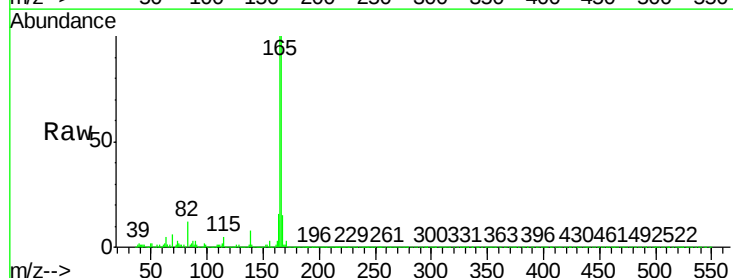
Manual Integrations
APPROVED

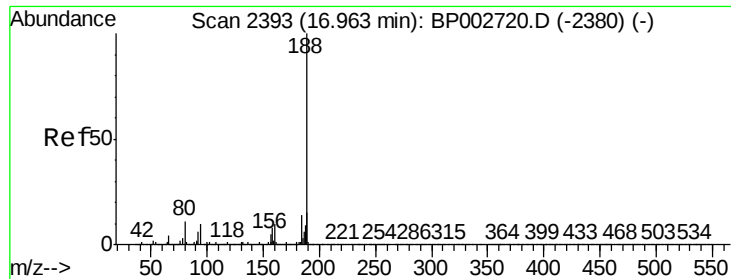
mohammad
7/17/2020 12:30:37 PM



#58
Fluorene
Concen: 3.993 ng
RT: 15.27 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	77.7	116.5
167	15.1	11.0	16.6





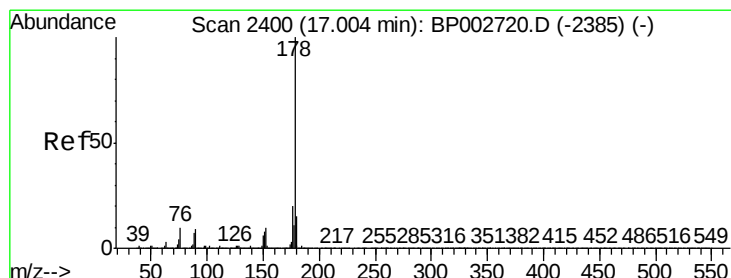
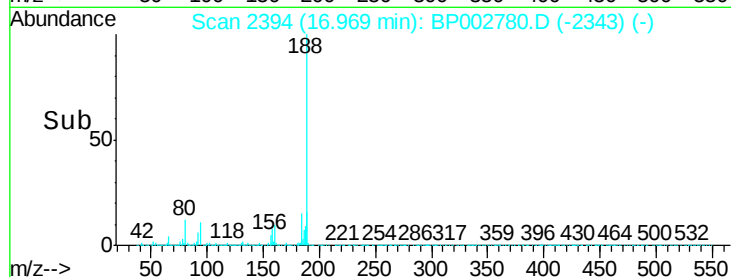
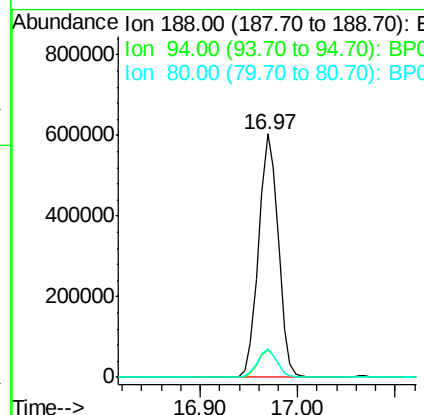
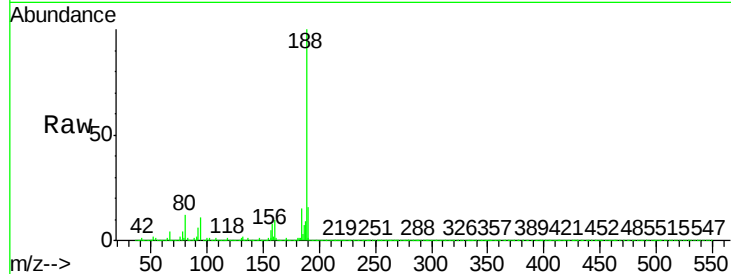
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampled :
S-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.0	8.1	12.1
80	12.0	8.9	13.3

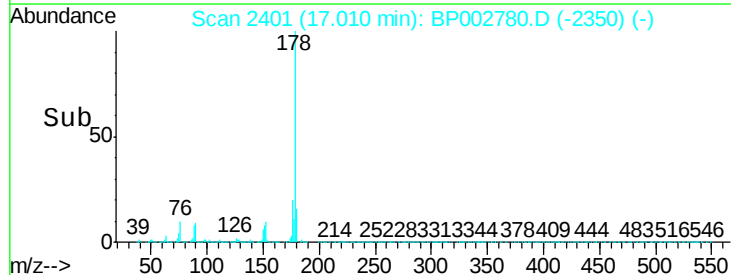
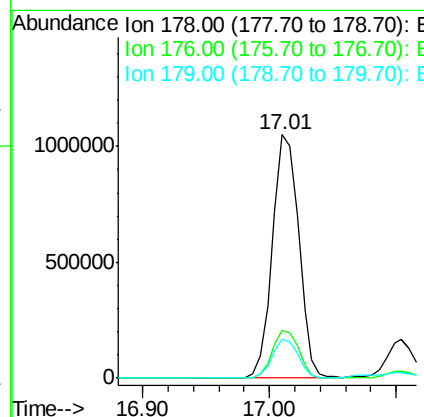
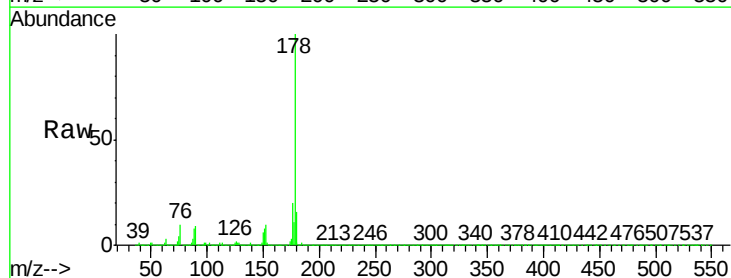
Manual Integrations
APPROVED

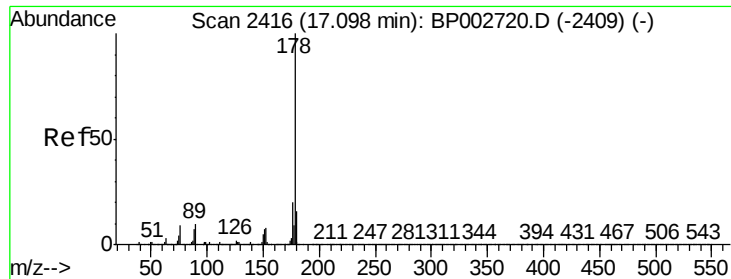
mohammad
7/17/2020 12:30:37 PM



#71
Phenanthrene
Concen: 33.001 ng
RT: 17.01 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.8	12.3	18.5





#72

Anthracene

Concen: 5.414 ng

RT: 17.10 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BP002780.D

Acq: 16 Jul 2020 19:37

Instrument :

BNA_P

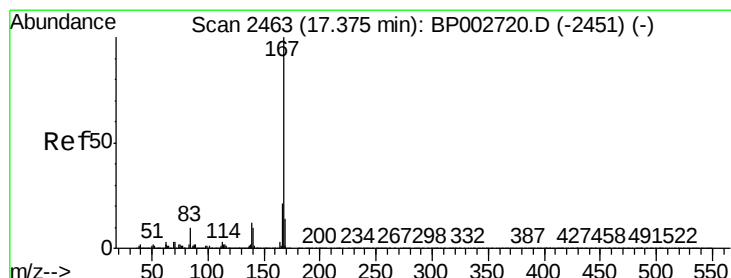
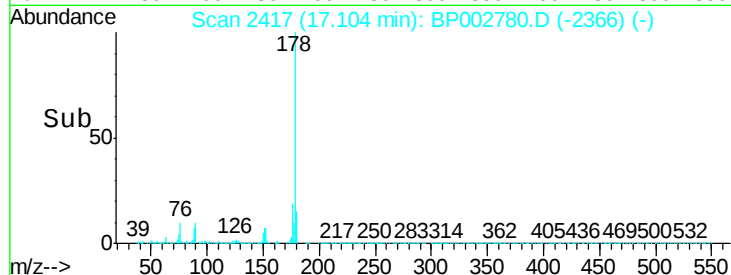
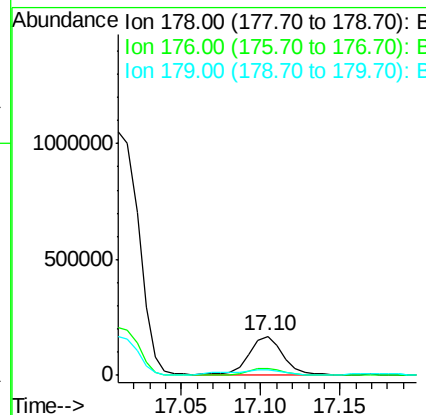
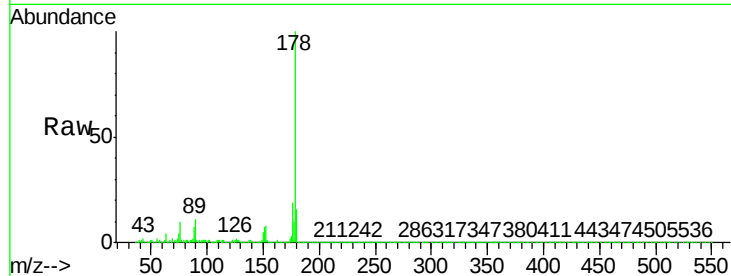
ClientSampleId :

S-1

Tot Ion:	178	Resp:	244653
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.6	23.4
179	15.5	12.6	19.0

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:37 PM



#73

Carbazole

Concen: 3.612 ng

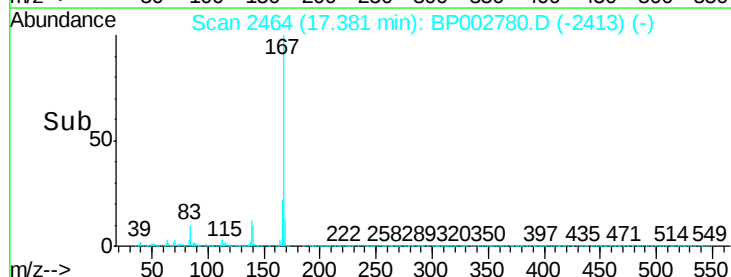
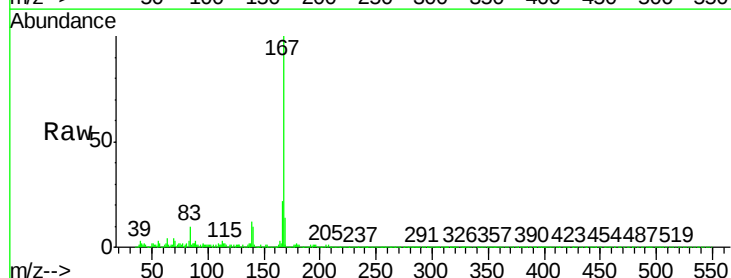
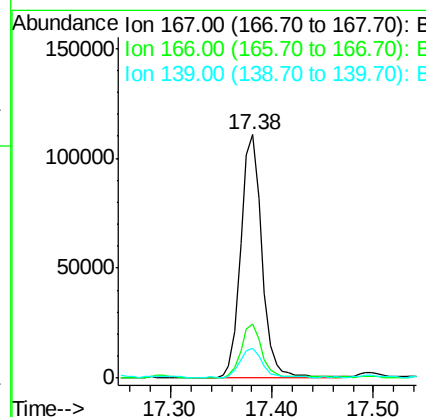
RT: 17.38 min Scan# 2464

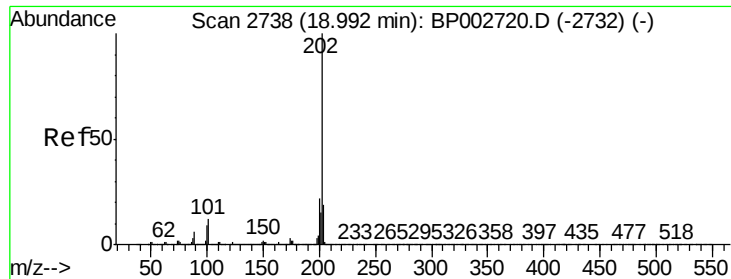
Delta R.T. 0.00 min

Lab File: BP002780.D

Acq: 16 Jul 2020 19:37

Tgt Ion:	167	Resp:	160175
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.1	25.7
139	12.5	9.6	14.4





#75

Fluoranthene

Concen: 30.718 ng

RT: 19.00 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BP002780.D

Acq: 16 Jul 2020 19:37

Instrument :

BNA_P

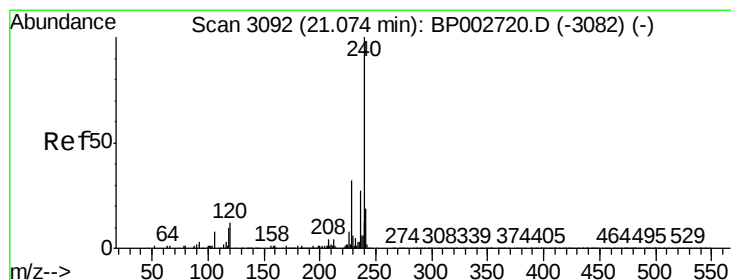
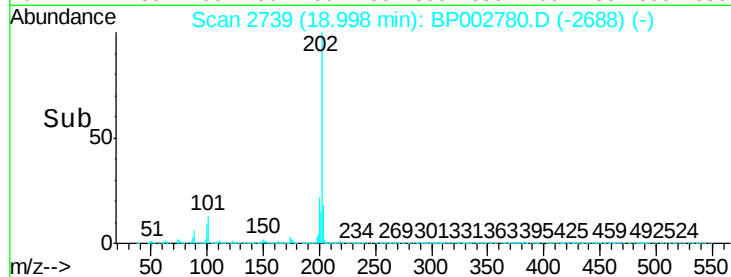
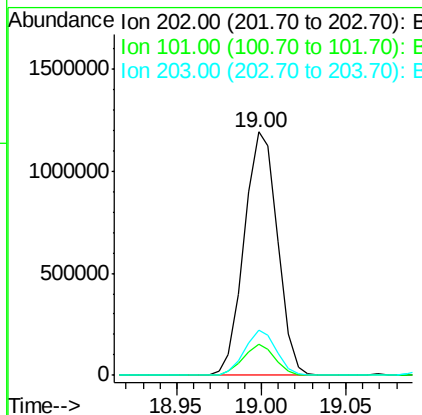
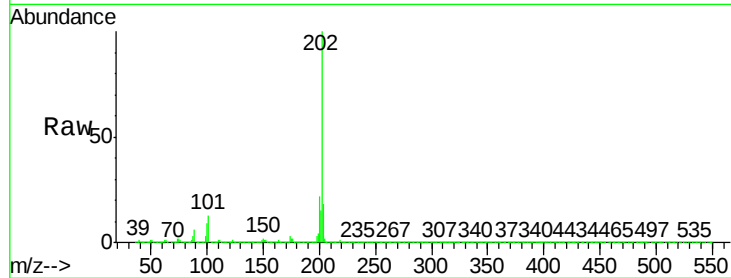
ClientSampleId :

S-1

Tot Ion:	202	Resp:	1639028
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	32.5
203	18.4	0.0	38.6

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:37 PM



#76

Chrysene-d12

Concen: 20.000 ng

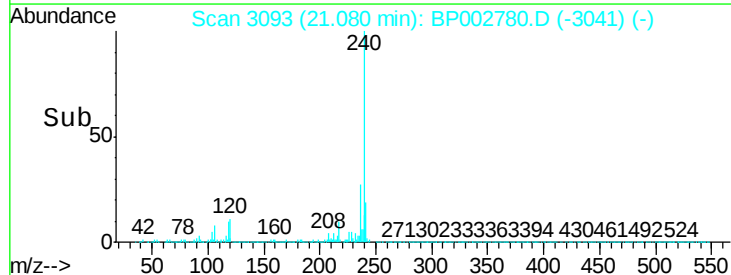
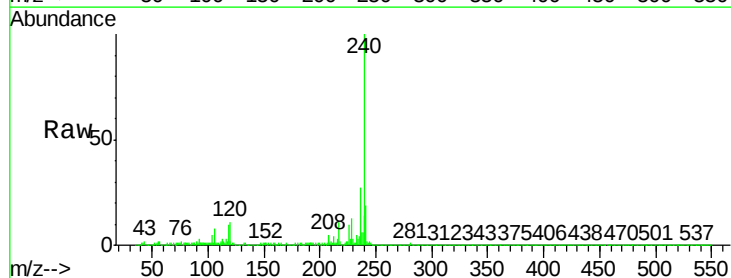
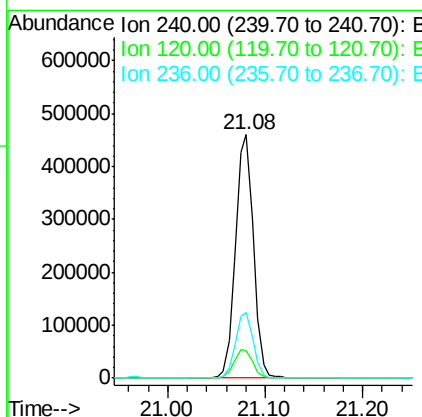
RT: 21.08 min Scan# 3093

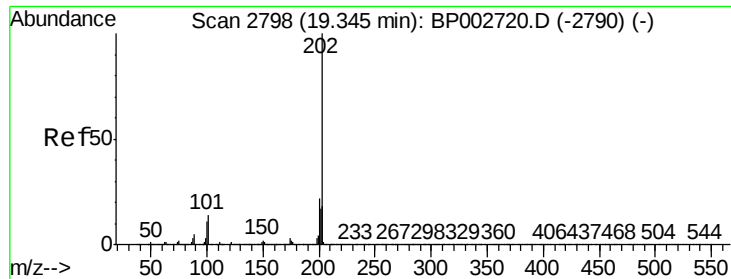
Delta R.T. 0.01 min

Lab File: BP002780.D

Acq: 16 Jul 2020 19:37

Tgt Ion:	240	Resp:	578454
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.4	14.2
236	26.8	21.3	31.9





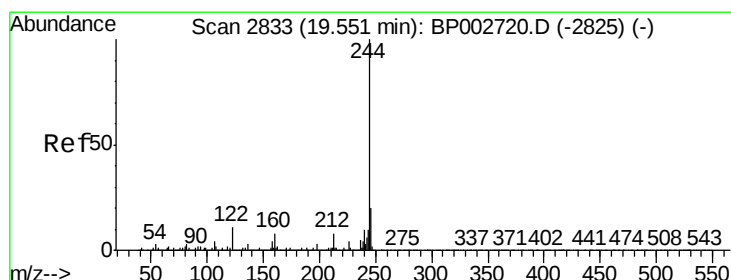
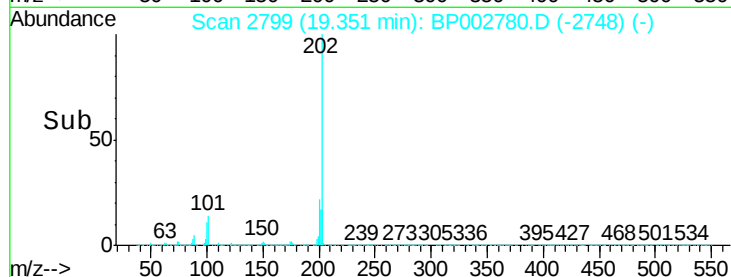
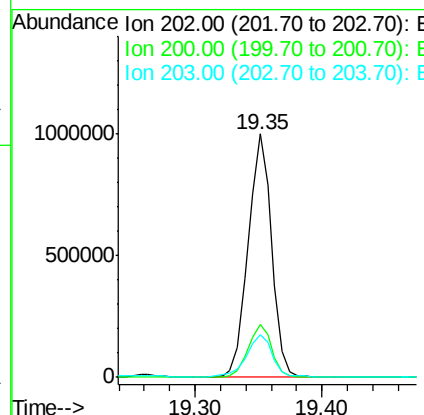
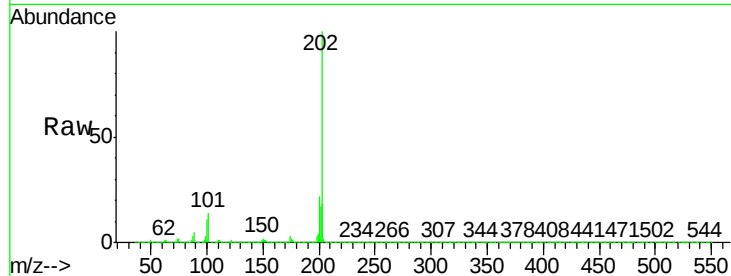
#78
Pvrene
Concen: 32.140 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.6	14.5	21.7

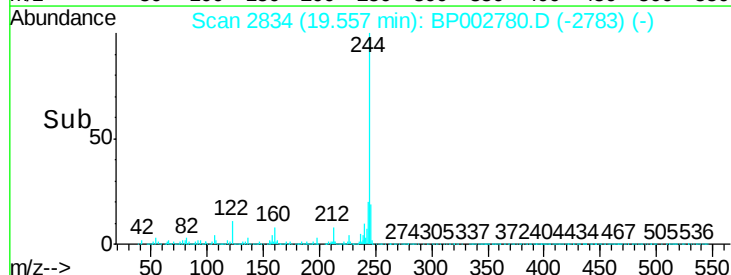
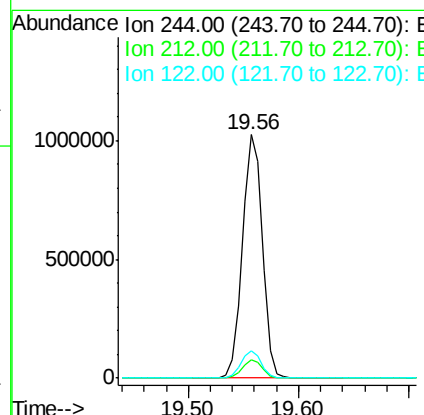
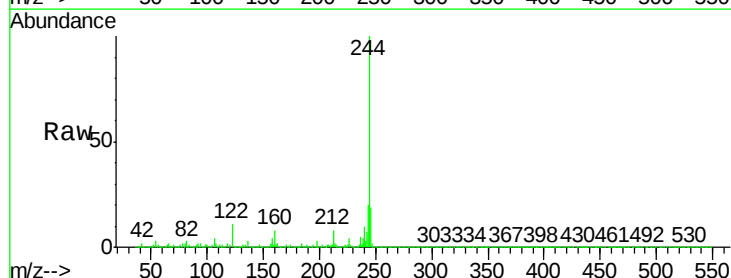
Manual Integrations
APPROVED

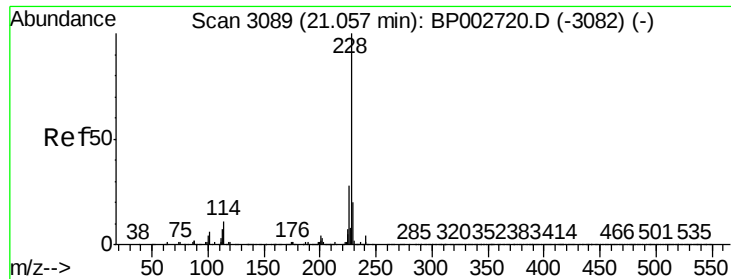
mohammad
7/17/2020 12:30:37 PM



#79
Terphenyl-d14
Concen: 51.506 ng
RT: 19.56 min Scan# 2834
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	11.3	8.9	13.3





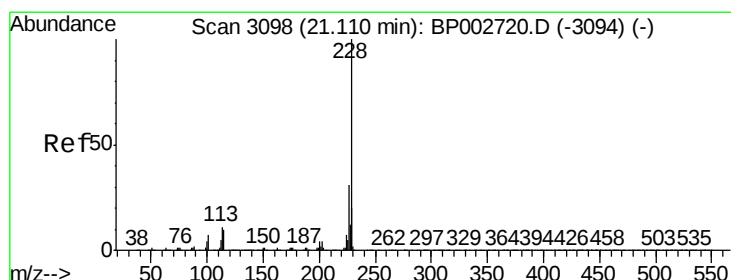
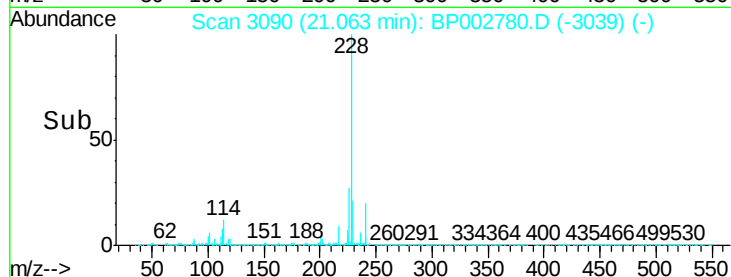
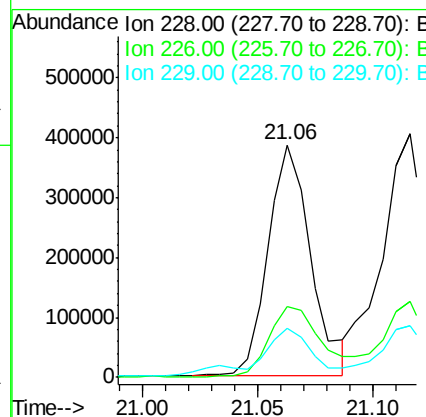
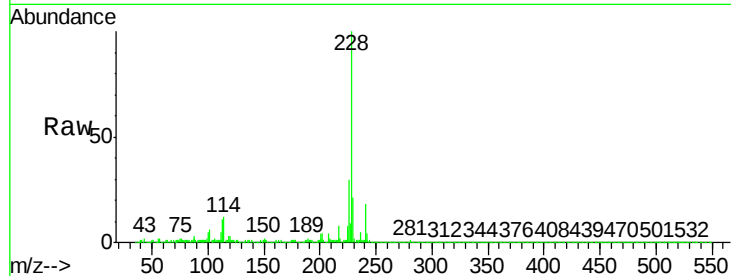
#81
Benzo(a)anthracene
Concen: 13.237 ng
RT: 21.06 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	34.0
229	21.3	16.0	24.0

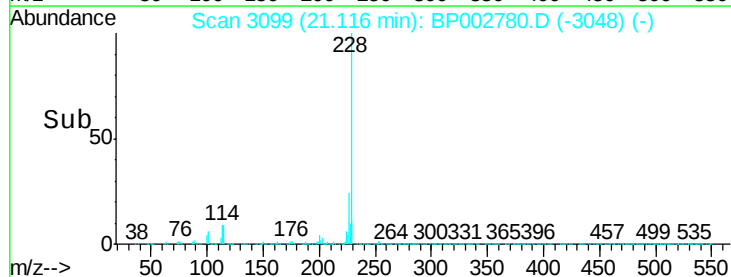
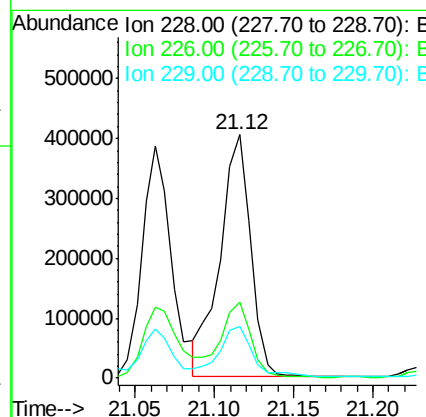
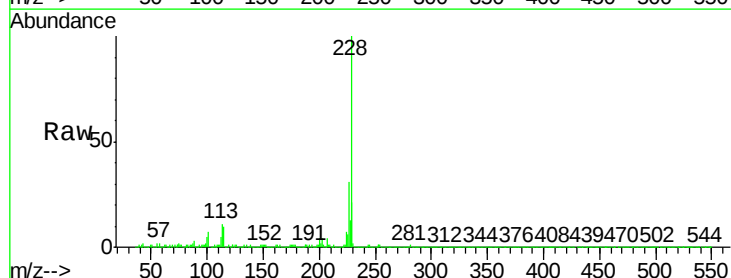
Manual Integrations
APPROVED

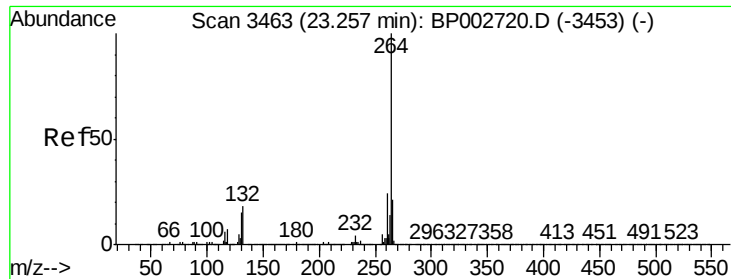
mohammad
7/17/2020 12:30:37 PM



#83
Chrysene
Concen: 15.296 ng
RT: 21.12 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	37.0
229	21.5	15.7	23.5





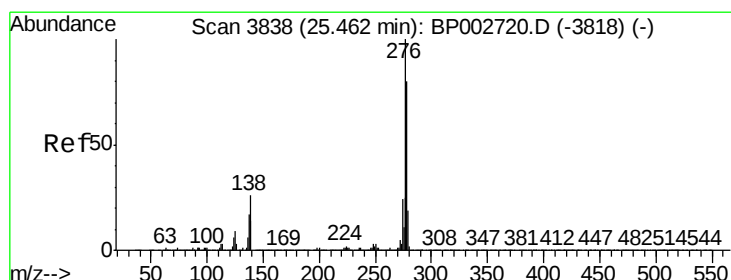
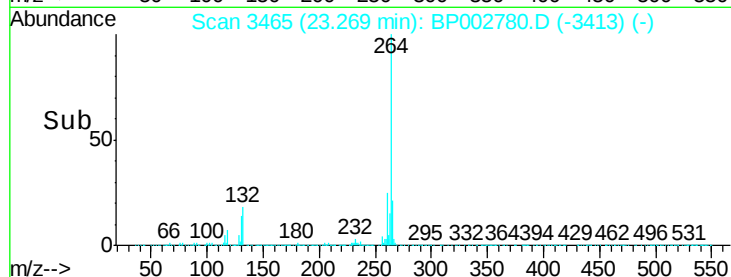
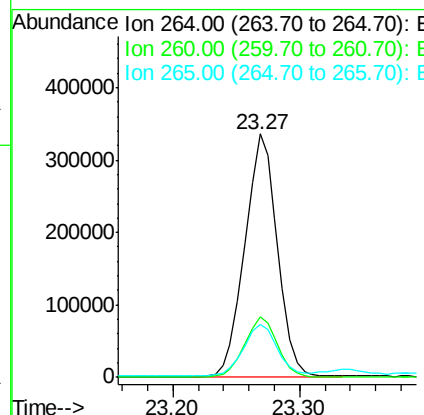
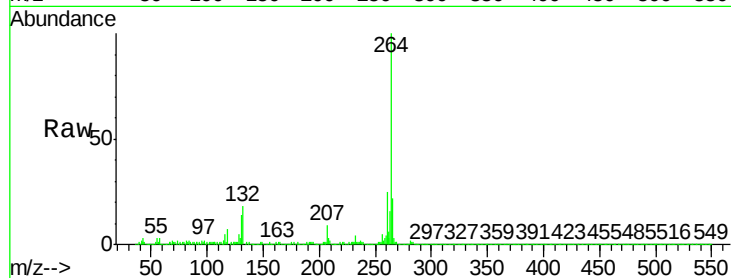
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	21.9	16.8	25.2

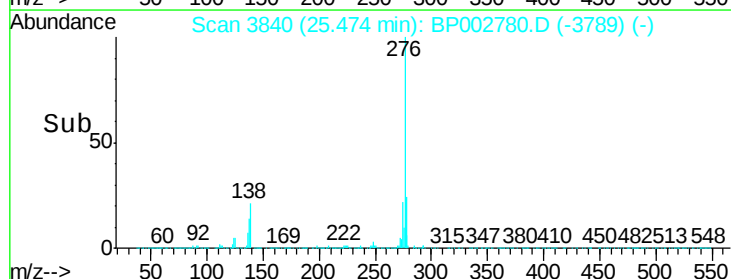
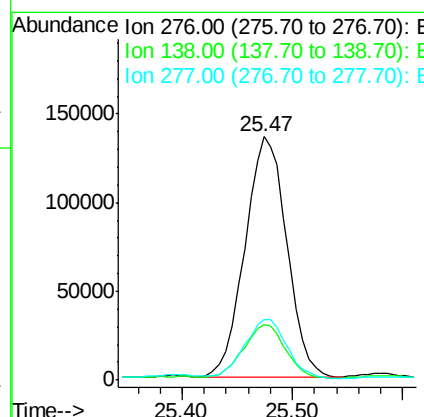
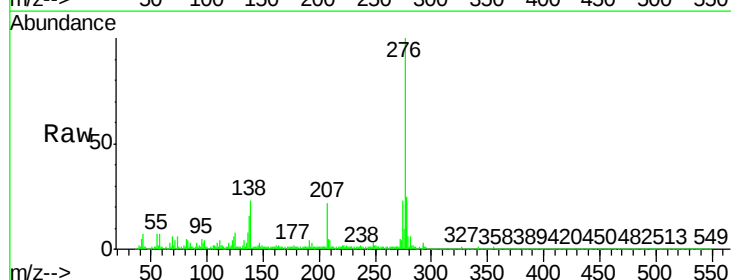
Manual Integrations
APPROVED

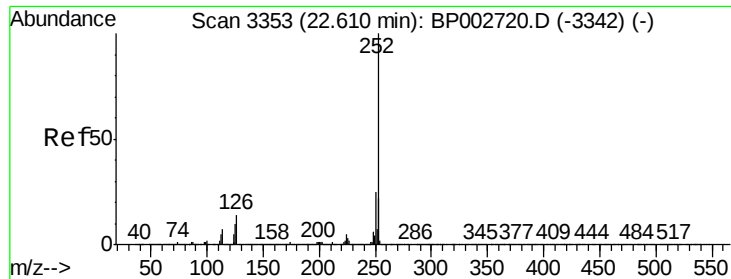
mohammad
7/17/2020 12:30:37 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.323 ng
RT: 25.47 min Scan# 3840
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.8	31.2
277	24.7	20.0	30.0





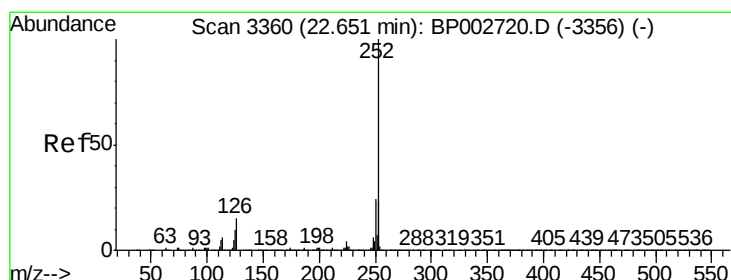
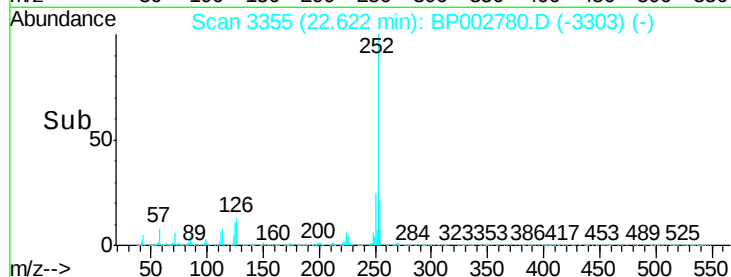
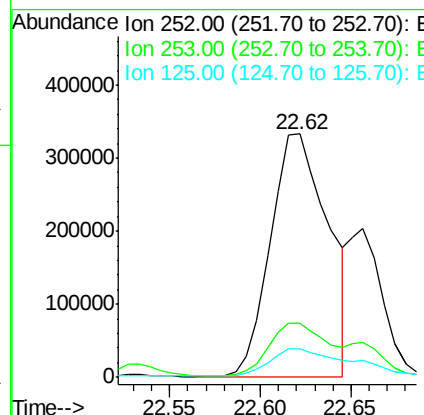
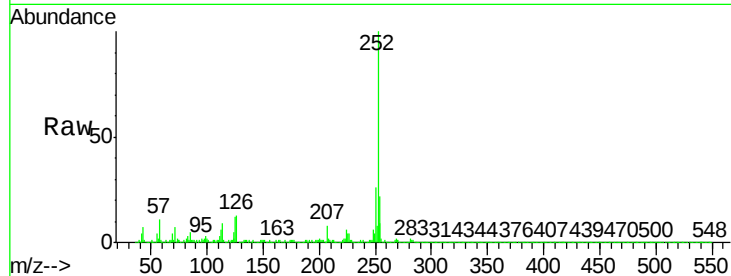
#88
Benzo(b)fluoranthene
Concen: 19.852 ng
RT: 22.62 min Scan# 3353
Delta R.T. 0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.8	8.2	12.2

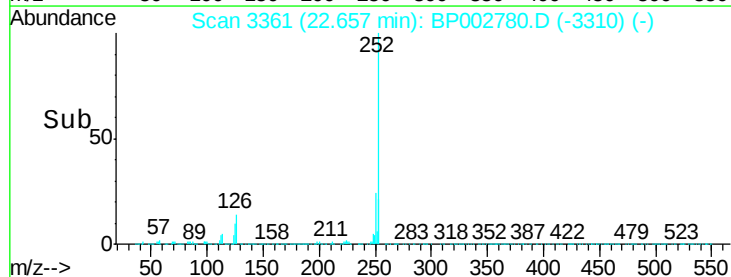
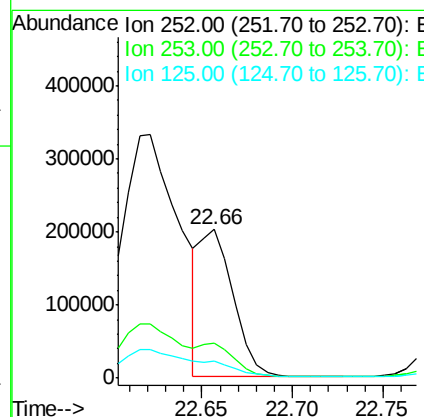
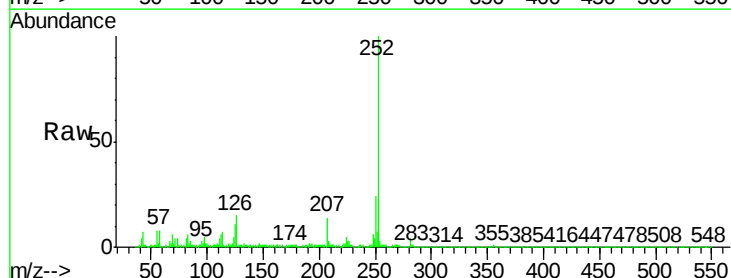
Manual Integrations
APPROVED

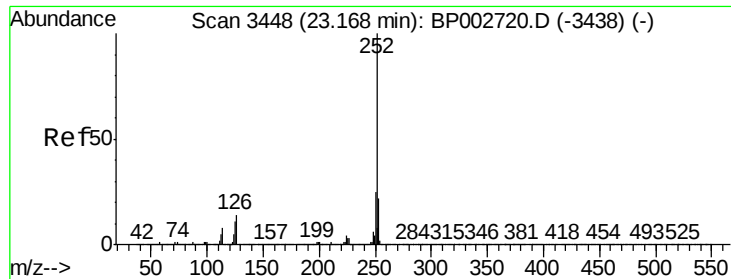
mohammad
7/17/2020 12:30:37 PM



#89
Benzo(k)fluoranthene
Concen: 6.991 ng m
RT: 22.66 min Scan# 3361
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.2	8.3	12.5





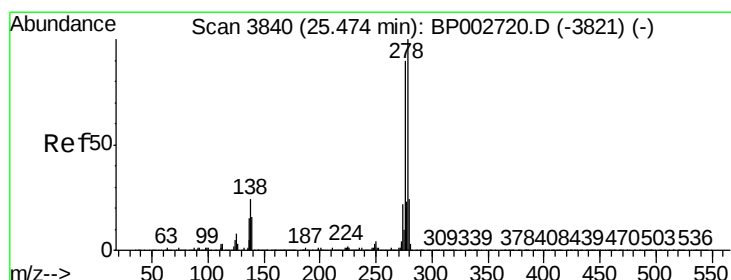
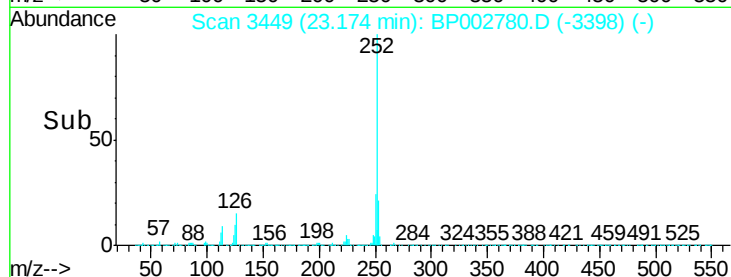
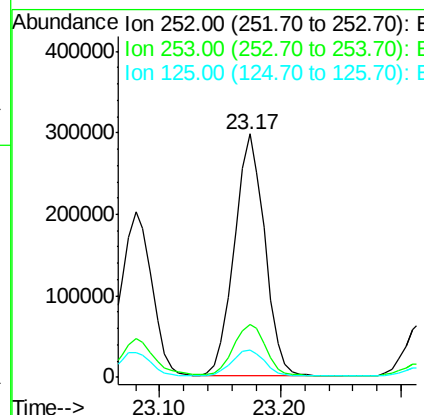
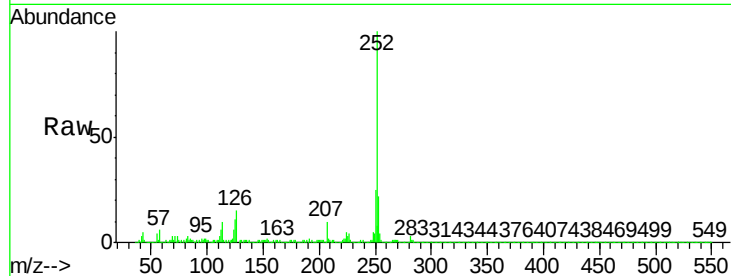
#90
Benzo(a)pyrene
Concen: 14.840 ng
RT: 23.17 min Scan# 3449
Delta R.T. 0.00 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Instrument :
BNA_P
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.0	8.6	13.0

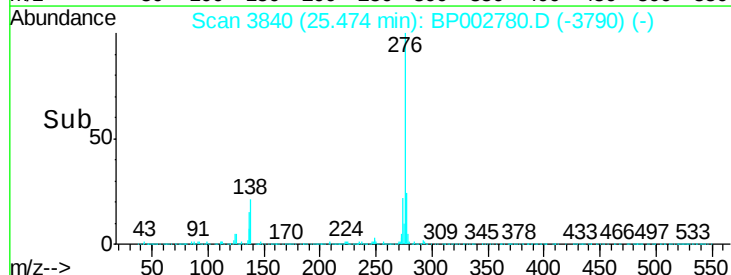
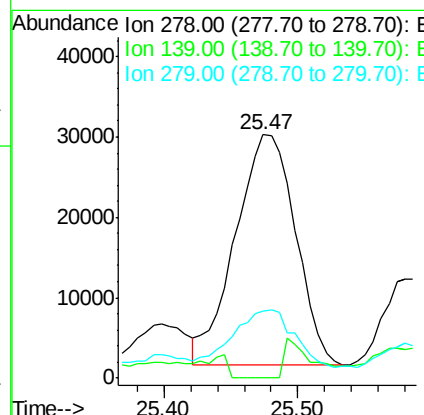
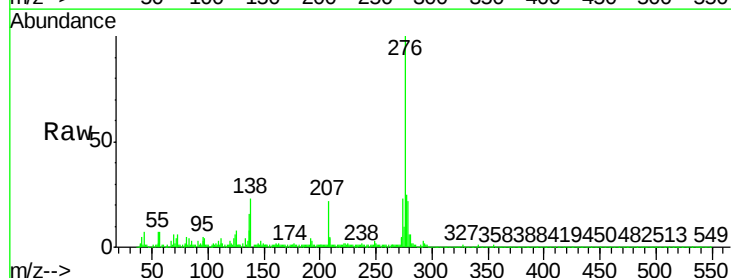
Manual Integrations
APPROVED

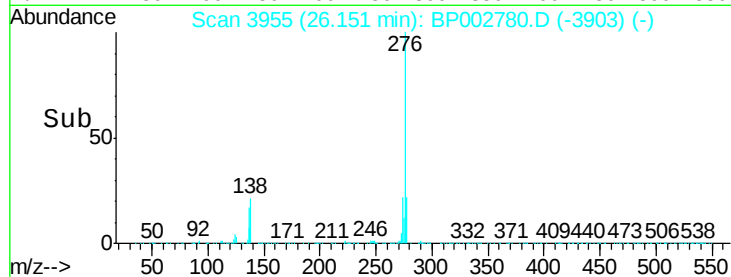
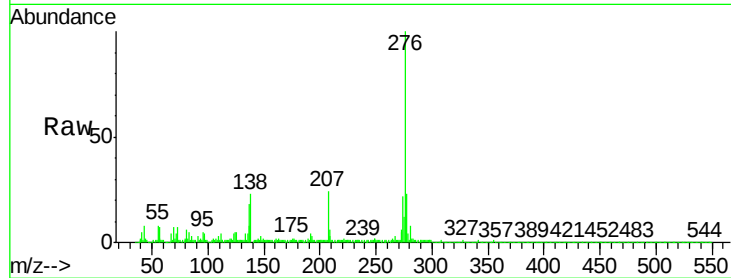
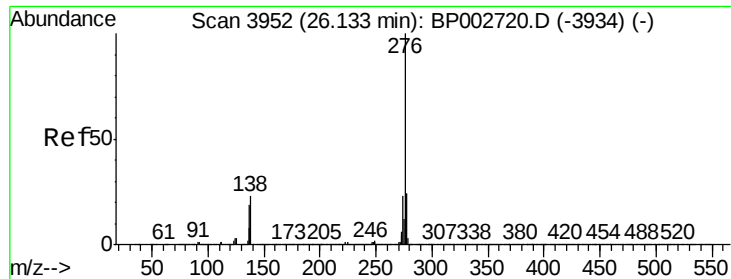
mohammad
7/17/2020 12:30:37 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.572 ng
RT: 25.47 min Scan# 3840
Delta R.T. -0.01 min
Lab File: BP002780.D
Acq: 16 Jul 2020 19:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	27.3	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 9.981 ng

RT: 26.15 min Scan# 3955

Delta R.T. 0.01 min

Lab File: BP002780.D

Acq: 16 Jul 2020 19:37

Instrument :

BNA_P

ClientSampleId :

S-1

Tot Ion:	276	Resp:	352618
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.1	28.7
138	22.7	18.3	27.5

Manual Integrations
APPROVED

mohammad
7/17/2020 12:30:37 PM

