

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP031220\
 Data File : BP002185.D
 Acq On : 12 Mar 2020 15:55
 Operator : CG/JU
 Sample : L1786-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0AC5

Manual Integrations
 APPROVED

mohammad
 3/13/2020 8:57:24 AM

Quant Time: Mar 13 02:14:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 12 13:49:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	360337	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1533734	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	970929	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.02	188	2088353	20.00	ng/ul	0.00
78) Chrysene-d12	21.12	240	1991843	20.00	ng/ul	0.00
86) Perylene-d12	23.32	264	2312941	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	5836	0.70	ng/uL	0.00
5) Phenol-d5	6.81	99	87229	3.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	63684	4.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	82274	3.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	71697	3.17	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	38159	3.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	35566	2.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	72218	2.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	98279	3.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	288014	3.92	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	286805	3.26	ng/ul	0.00
52) 4-Nitrophenol-d4	14.48	143	12722	0.91	ng/ul	0.00
58) Fluorene-d10	15.26	176	251537	3.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	16813	1.46	ng/ul	0.00
71) Anthracene-d10	17.12	188	358238	3.82	ng/ul	0.00
79) Pyrene-d10	19.36	212	401187	3.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.17	264	404360	3.42	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.45	128	1583755	19.274	ng/ul	99
34) 2-Methylnaphthalene	12.07	142	697599	12.088	ng/ul	99
41) 1,1'-Biphenyl	13.09	154	220723	2.922	ng/ul	97
48) Acenaphthylene	13.98	152	206893	2.220	ng/ul#	97
50) Acenaphthene	14.33	153	709298	11.322	ng/ul	99
54) Dibenzofuran	14.66	168	997191	11.269	ng/ul	99
59) Fluorene	15.32	166	1216786	17.208	ng/ul	99
70) Phenanthrene	17.06	178	4535976	39.426	ng/ul	97
72) Anthracene	17.15	178	3241474	28.456	ng/ul	99
75) Carbazole	17.42	167	687310	7.166	ng/ul	99
77) Fluoranthene	19.04	202	4445553	33.496	ng/ul	99
80) Pyrene	19.39	202	3096301	22.832	ng/ul	97
83) Benzo(a)anthracene	21.10	228	1595170	11.837	ng/ul	97
85) Chrysene	21.14	228	1281355	9.967	ng/ul	98
88) Benzo(b)fluoranthene	22.66	252	1412343	9.737	ng/ul	98
89) Benzo(k)fluoranthene	22.69	252	442139m	3.114	ng/ul	
91) Benzo(a)pyrene	23.22	252	870018	6.607	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.53	276	471213	2.761	ng/ul	97
93) Dibenzo(a,h)anthracene	25.54	278	155029	1.099	ng/ul#	90
94) Benzo(g,h,i)perylene	26.21	276	288344	2.001	ng/ul	99

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

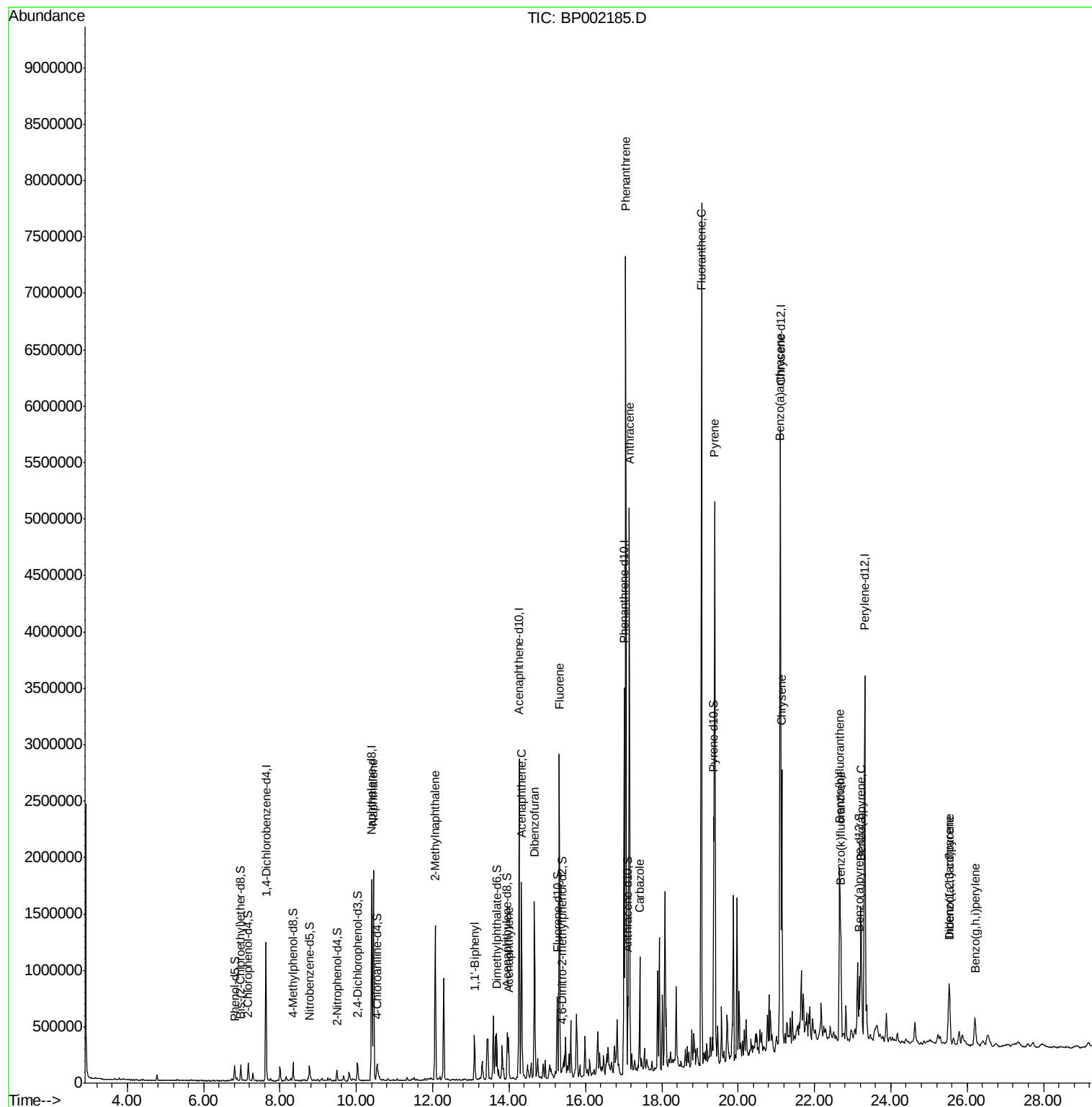
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP031220\
Data File : BP002185.D
Acq On : 12 Mar 2020 15:55
Operator : CG/JU
Sample : L1786-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

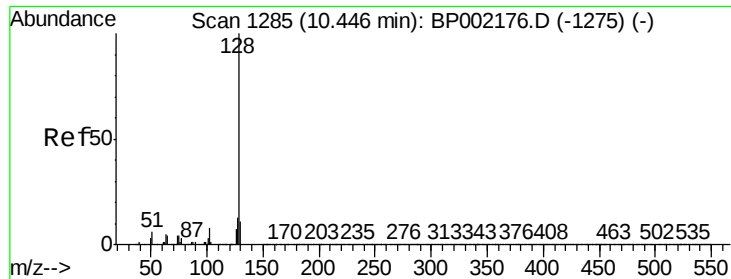
Instrument :
BNA_P
ClientSampleId :
C0AC5

Quant Time: Mar 13 02:14:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP022720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 12 13:49:07 2020
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
3/13/2020 8:57:24 AM





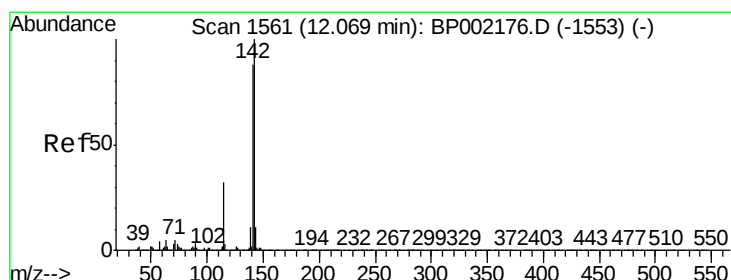
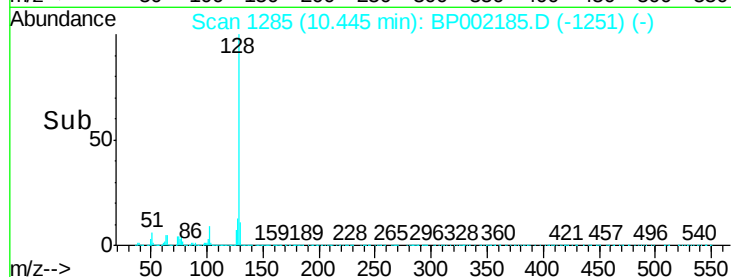
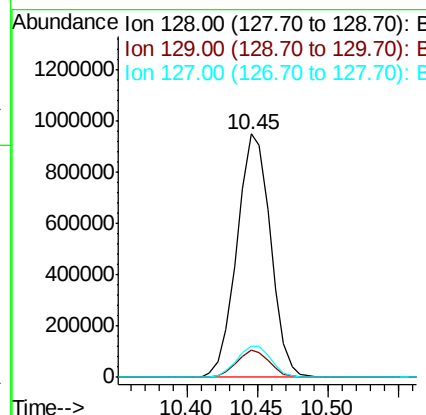
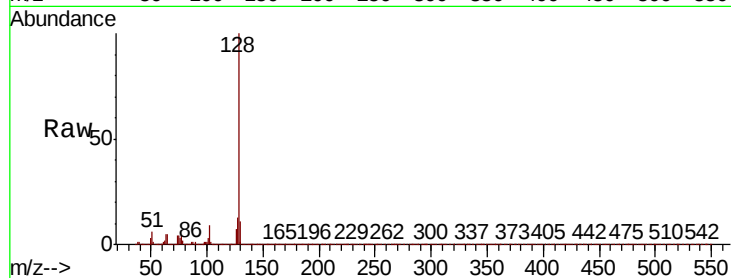
#28
Naphthalene
Concen: 19.274 ng/ul
RT: 10.45 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Instrument :
BNA_P
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.0	10.2	15.2

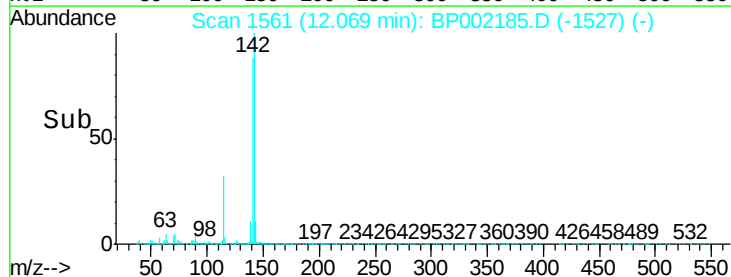
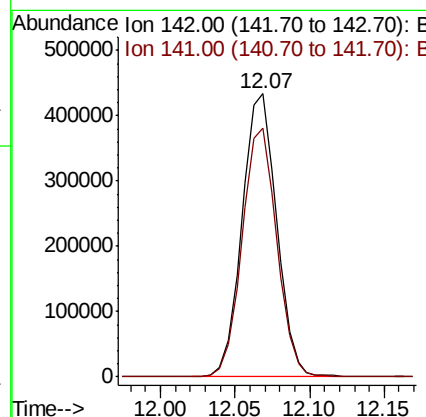
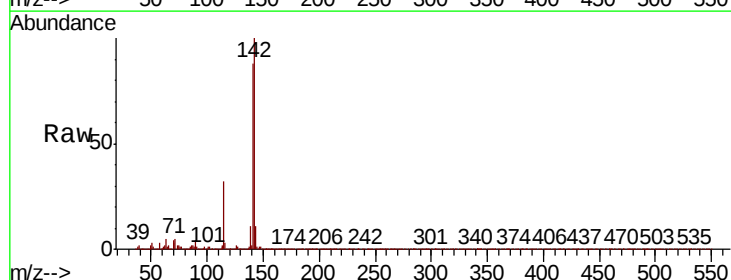
Manual Integrations
APPROVED

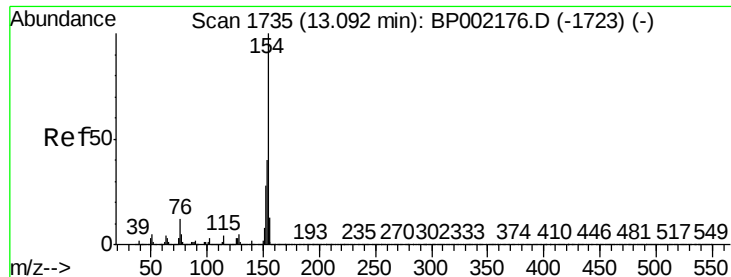
mohammad
3/13/2020 8:57:24 AM



#34
2-Methylnaphthalene
Concen: 12.088 ng/ul
RT: 12.07 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2





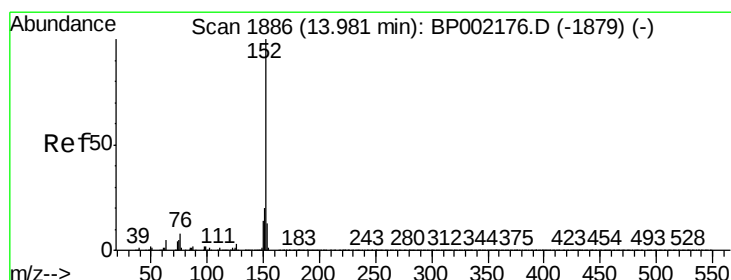
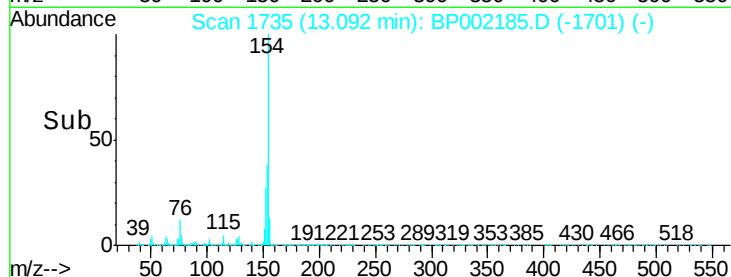
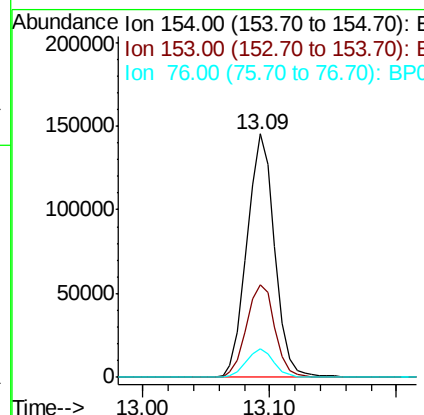
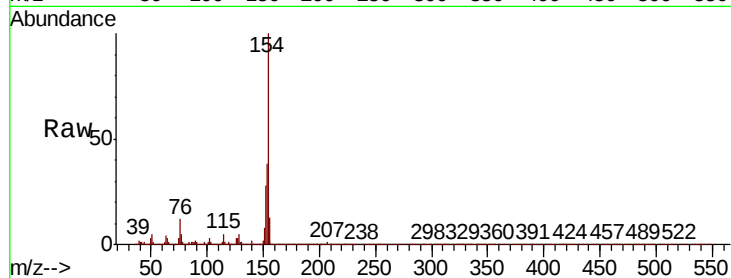
#41
1,1'-Biphenyl
Concen: 2.922 ng/ul
RT: 13.09 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Instrument :
BNA_P
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.9	32.0	48.0
76	11.6	8.9	13.3

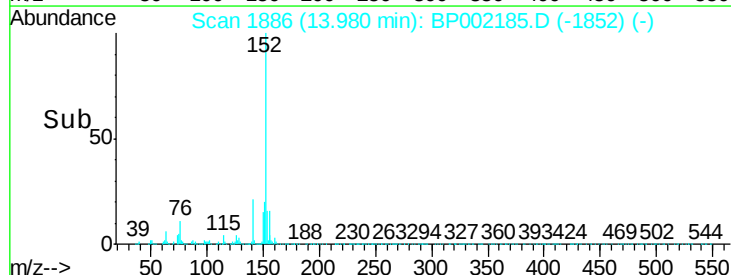
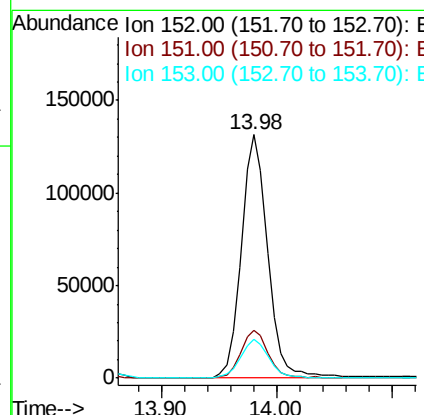
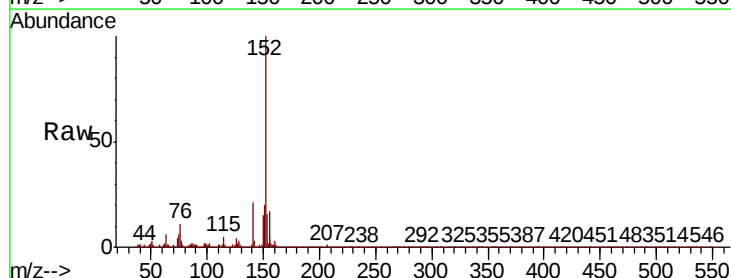
Manual Integrations
APPROVED

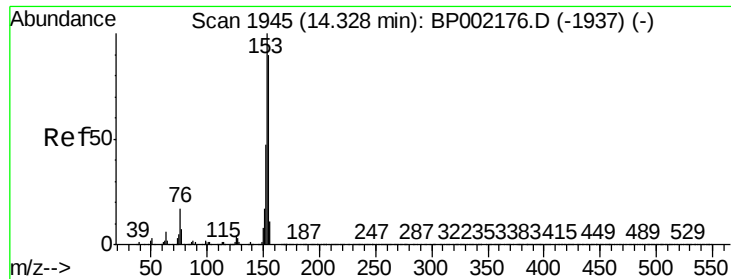
mohammad
3/13/2020 8:57:24 AM



#48
Acenaphthylene
Concen: 2.220 ng/ul
RT: 13.98 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	15.9	10.6	15.8#





#50

Acenaphthene

Concen: 11.322 ng/ul

RT: 14.33 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BP002185.D

Acq: 12 Mar 2020 15:55

Instrument :

BNA_P

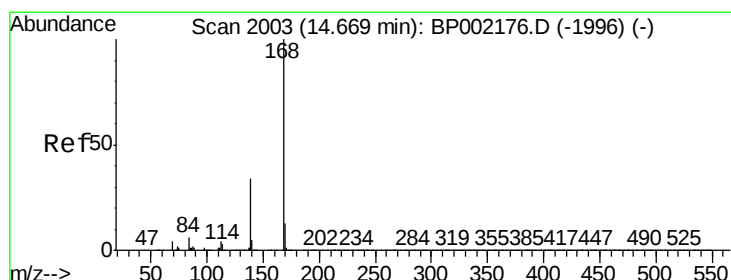
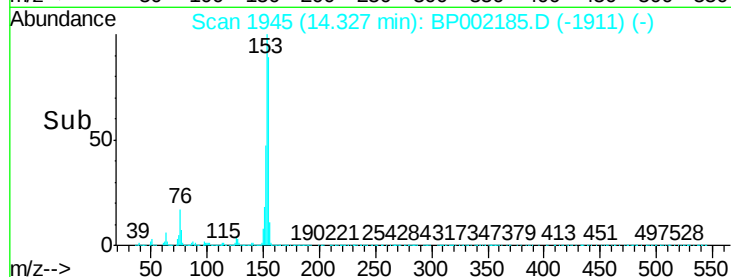
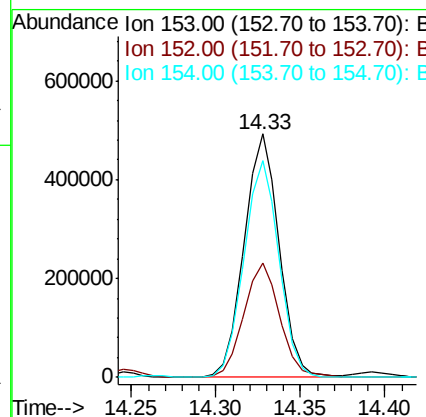
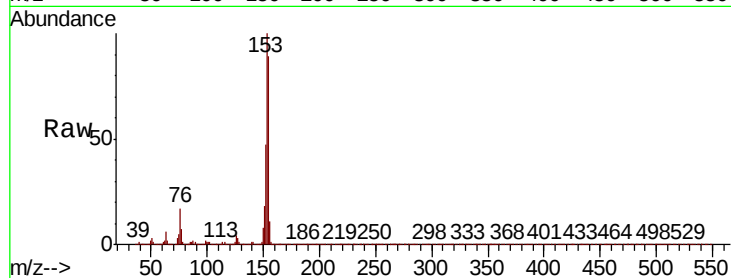
ClientSampleId :

C0AC5

Tot Ion:	153	Resp:	709298
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.1	55.7
154	88.9	70.5	105.7

Manual Integrations
APPROVED

mohammad
3/13/2020 8:57:24 AM



#54

Dibenzofuran

Concen: 11.269 ng/ul

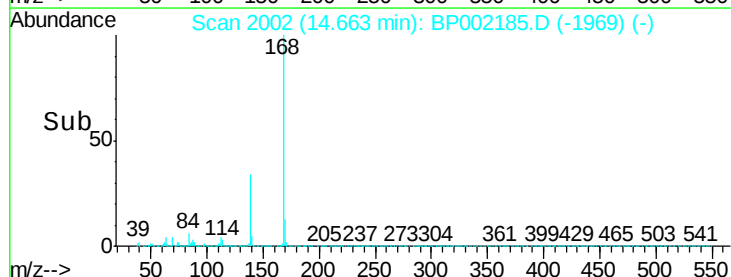
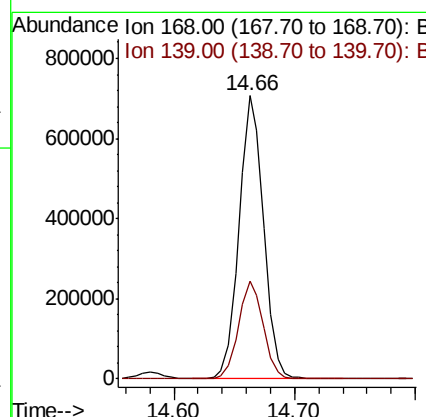
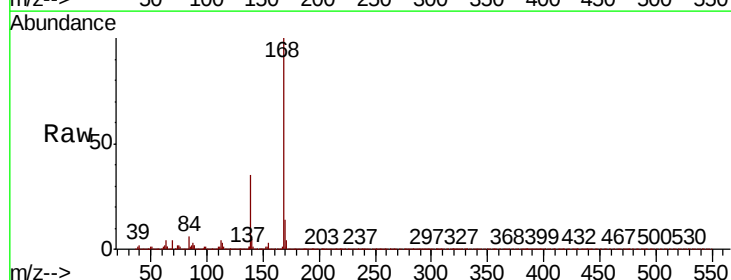
RT: 14.66 min Scan# 2002

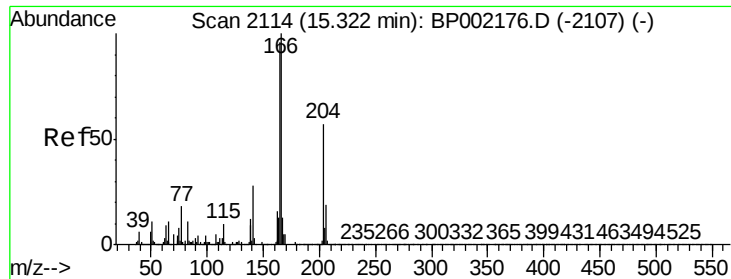
Delta R.T. -0.01 min

Lab File: BP002185.D

Acq: 12 Mar 2020 15:55

Tgt Ion:	168	Resp:	997191
Ion Ratio	Lower	Upper	
168	100		
139	34.6	28.3	42.5





#59

Fluorene

Concen: 17.208 ng/ul

RT: 15.32 min Scan# 2113

Delta R.T. -0.01 min

Lab File: BP002185.D

Acq: 12 Mar 2020 15:55

Instrument :

BNA_P

ClientSampleId :

C0AC5

Tot Ion:166 Resp: 1216786

Ion Ratio Lower Upper

166 100

165 96.7 78.1 117.1

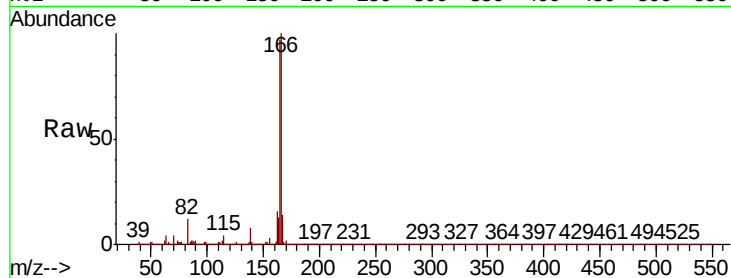
167 13.6 10.7 16.1

Manual Integrations

APPROVED

mohammad

3/13/2020 8:57:24 AM



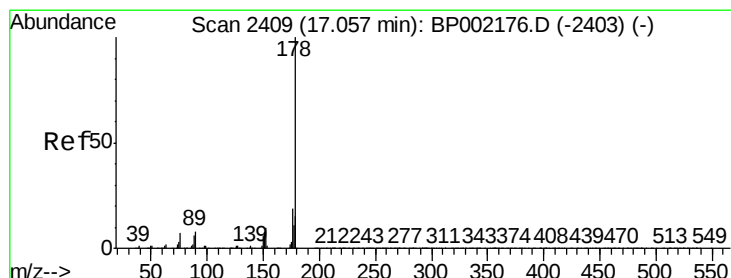
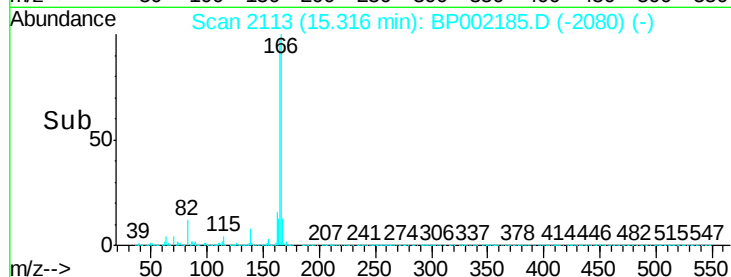
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.32

Time-->



#70

Phenanthrene

Concen: 39.426 ng/ul

RT: 17.06 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BP002185.D

Acq: 12 Mar 2020 15:55

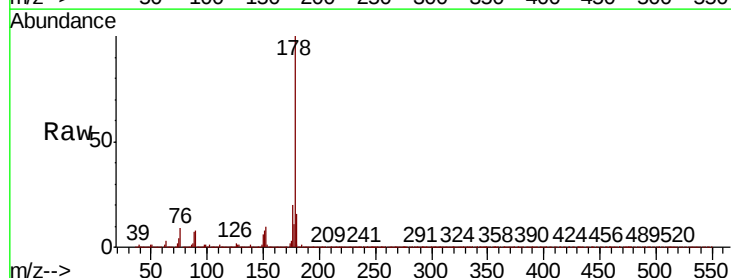
Tgt Ion:178 Resp: 4535976

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

176 20.1 14.9 22.3



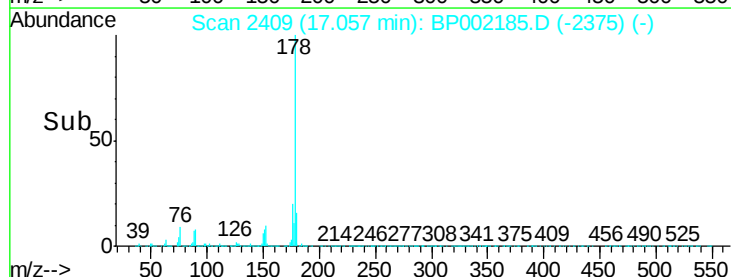
Abundance Ion 178.00 (177.70 to 178.70): E

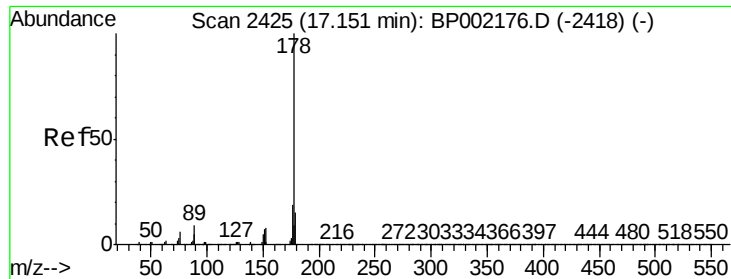
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

17.06

Time-->





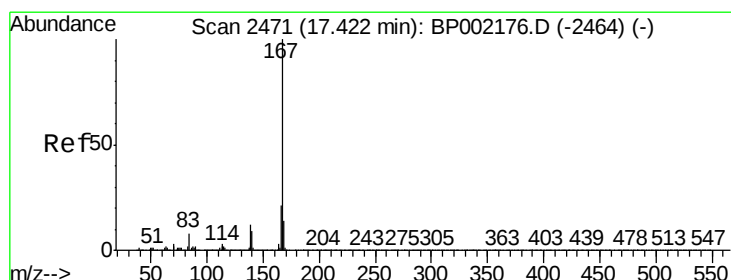
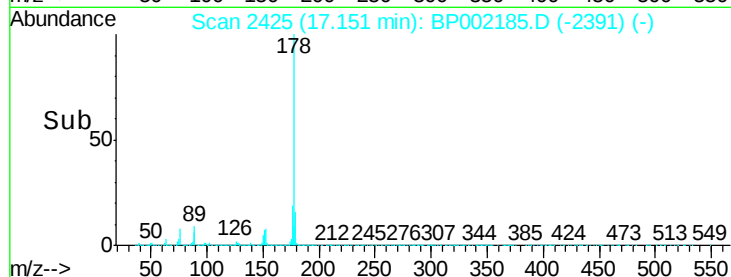
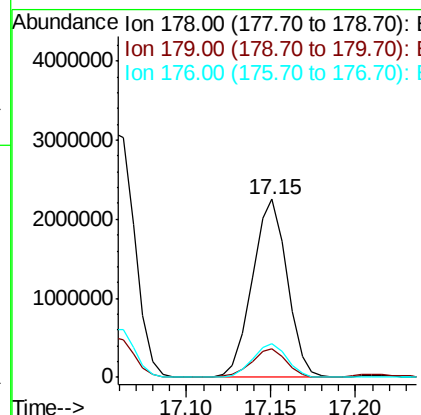
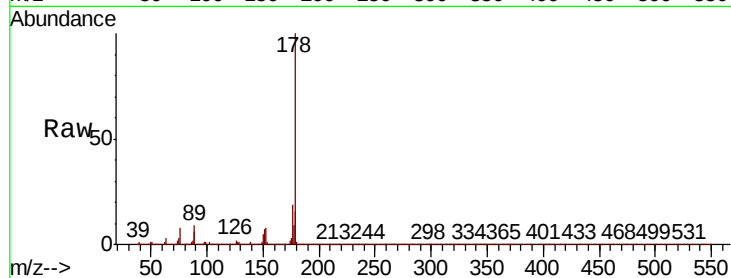
#72
 Anthracene
 Concen: 28.456 ng/ul
 RT: 17.15 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BP002185.D
 Acq: 12 Mar 2020 15:55

Instrument :
 BNA_P
 ClientSampleId :
 C0AC5

Tot Ion:178 Resp: 3241474
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.8 19.2
 176 19.0 14.6 22.0

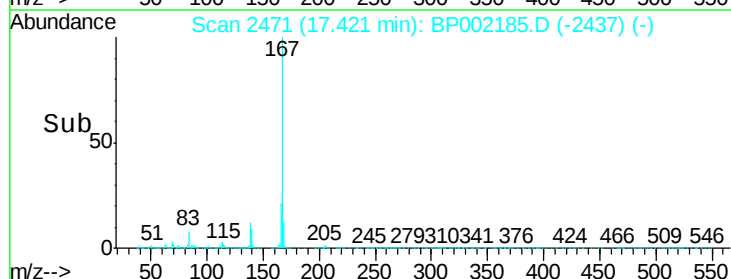
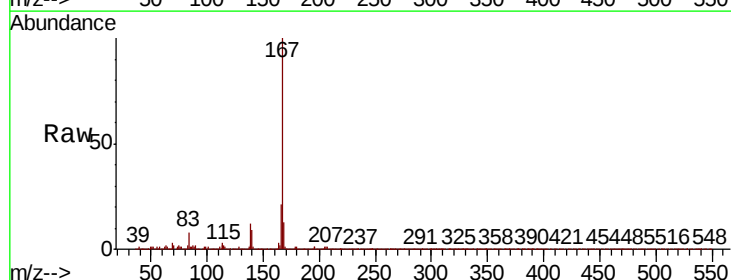
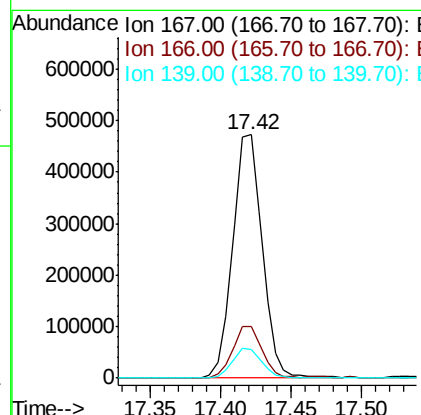
Manual Integrations
 APPROVED

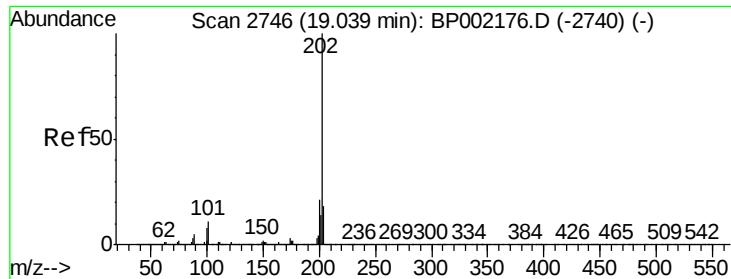
mohammad
 3/13/2020 8:57:24 AM



#75
 Carbazole
 Concen: 7.166 ng/ul
 RT: 17.42 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: BP002185.D
 Acq: 12 Mar 2020 15:55

Tgt Ion:167 Resp: 687310
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 11.9 10.1 15.1





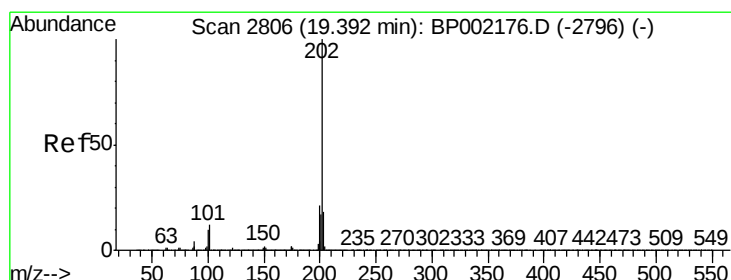
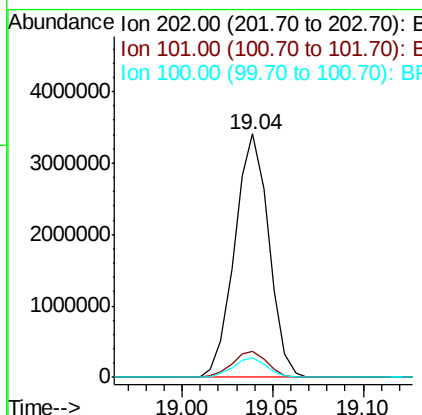
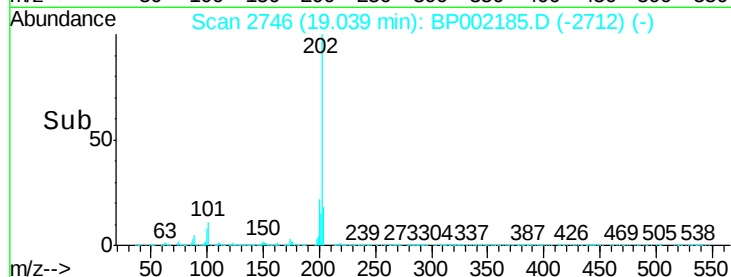
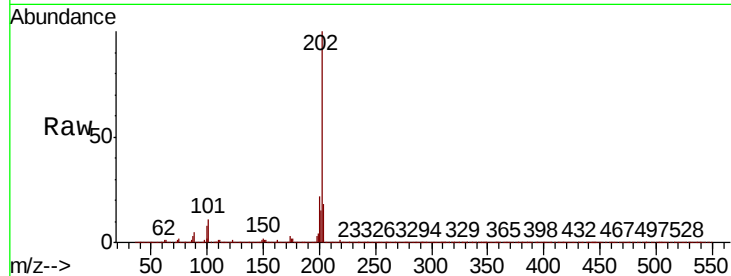
#77
 Fluoranthene
 Concen: 33.496 ng/ul
 RT: 19.04 min Scan# 2746
 Delta R.T. -0.00 min
 Lab File: BP002185.D
 Acq: 12 Mar 2020 15:55

Instrument :
 BNA_P
 ClientSampleId :
 C0AC5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.2	12.2
100	8.0	6.3	9.5

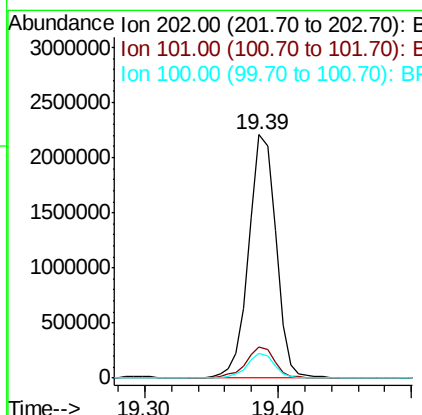
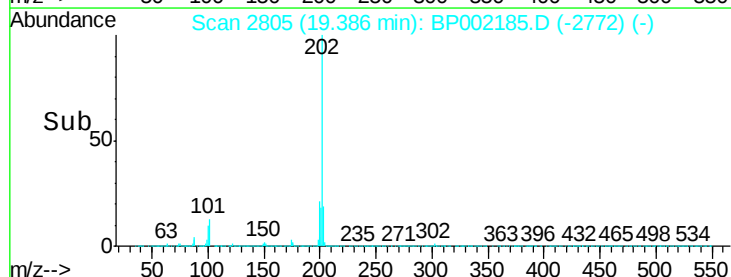
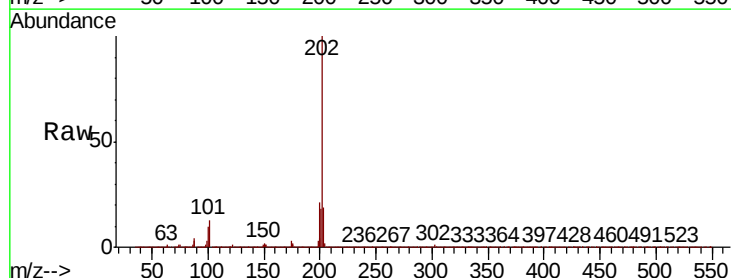
Manual Integrations
 APPROVED

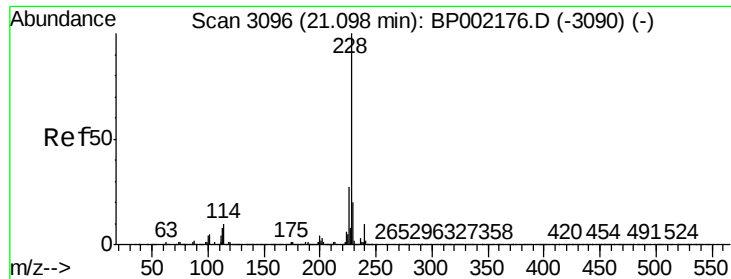
mohammad
 3/13/2020 8:57:24 AM



#80
 Pyrene
 Concen: 22.832 ng/ul
 RT: 19.39 min Scan# 2805
 Delta R.T. -0.01 min
 Lab File: BP002185.D
 Acq: 12 Mar 2020 15:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	9.3	13.9
100	10.3	7.6	11.4





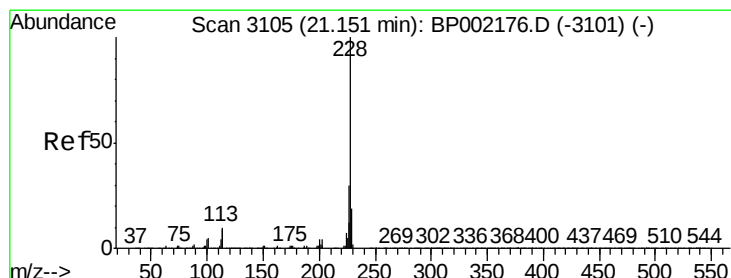
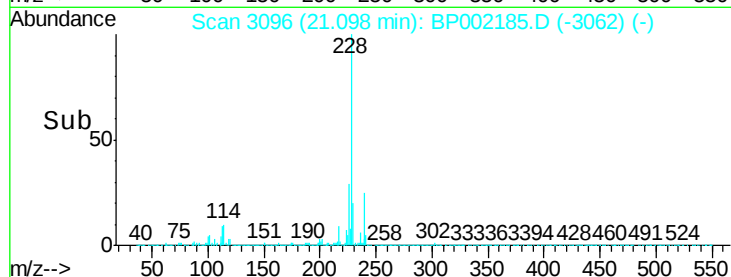
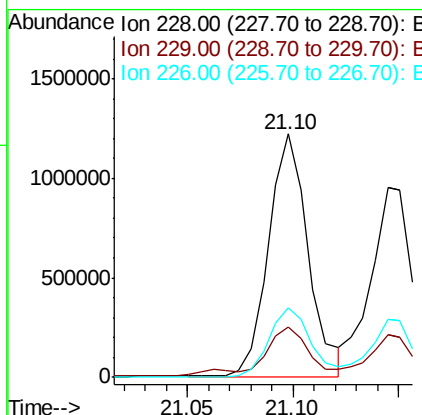
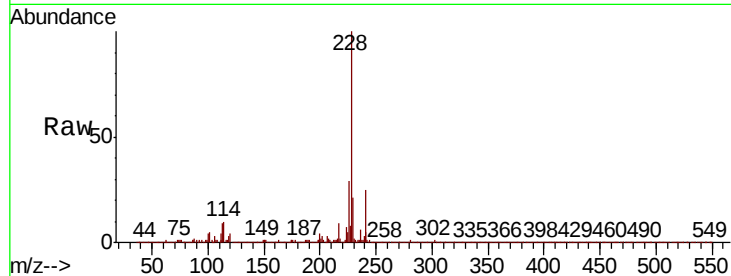
#83
Benzo(a)anthracene
Concen: 11.837 ng/ul
RT: 21.10 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Instrument :
BNA_P
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.7	23.5
226	28.8	21.4	32.0

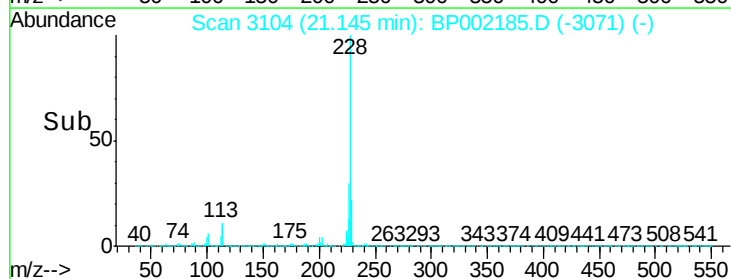
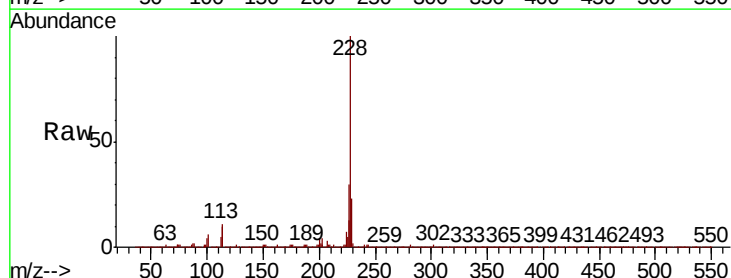
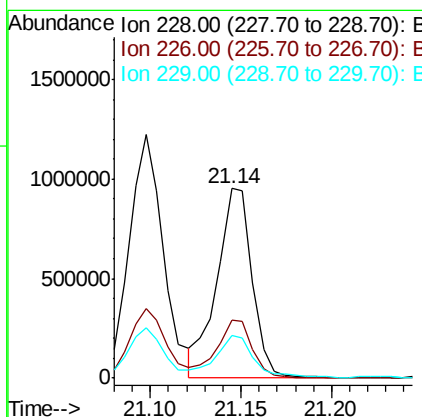
Manual Integrations
APPROVED

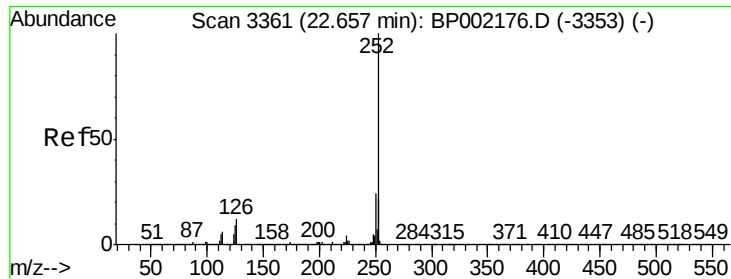
mohammad
3/13/2020 8:57:24 AM



#85
Chrysene
Concen: 9.967 ng/ul
RT: 21.14 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	22.7	15.9	23.9





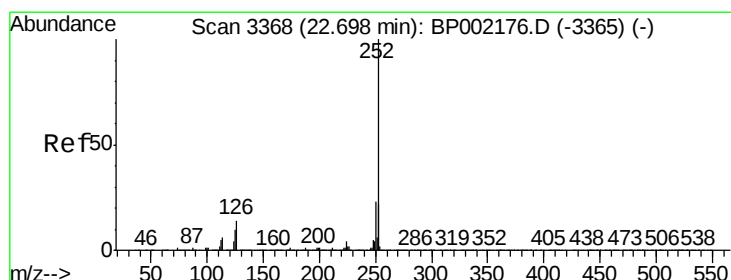
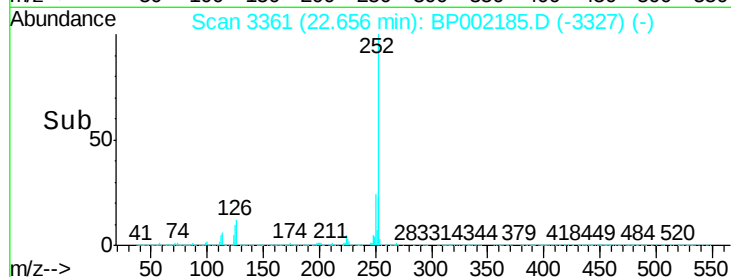
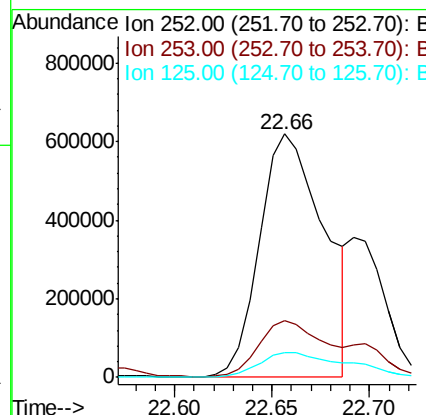
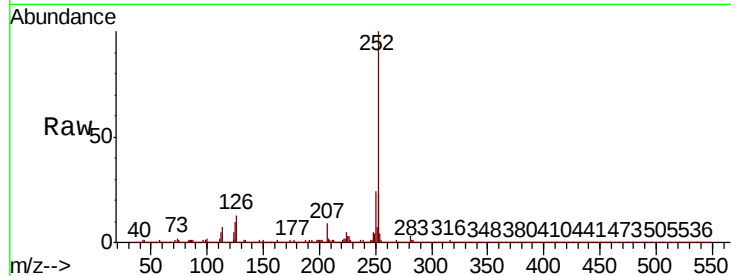
#88
Benzo(b)fluoranthene
Concen: 9.737 ng/ul
RT: 22.66 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Instrument :
BNA_P
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.1	7.4	11.0

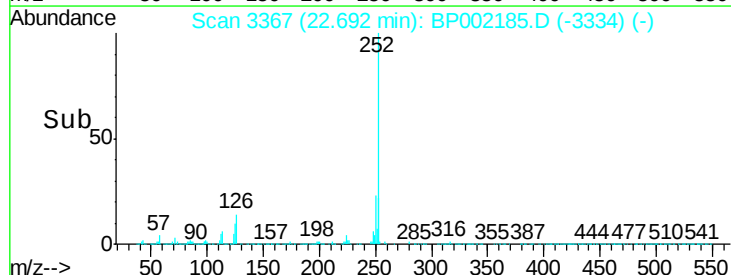
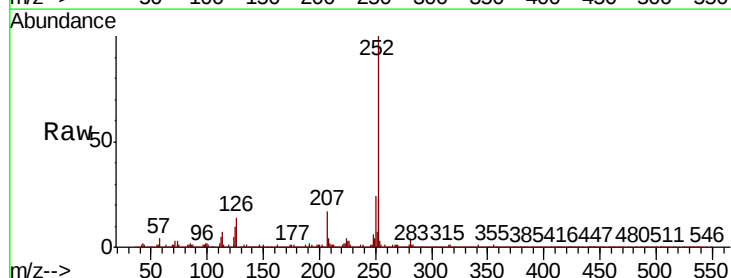
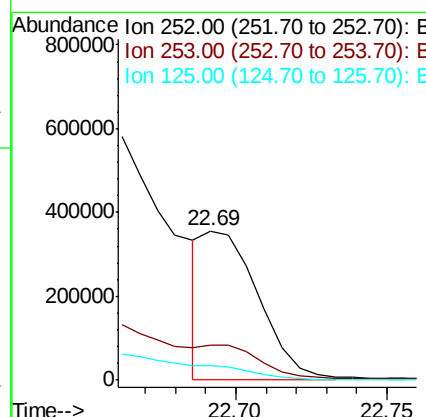
Manual Integrations
APPROVED

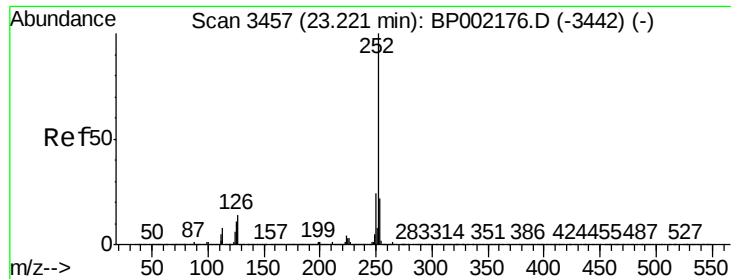
mohammad
3/13/2020 8:57:24 AM



#89
Benzo(k)fluoranthene
Concen: 3.114 ng/ul m
RT: 22.69 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	10.1	7.4	11.0





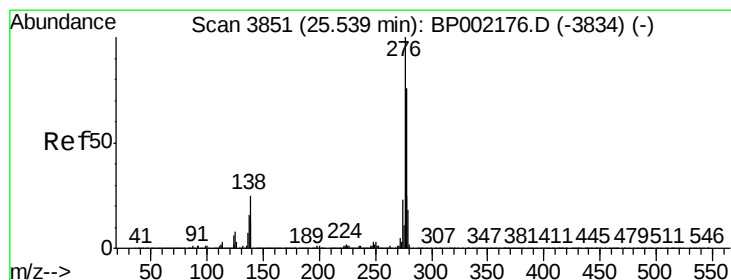
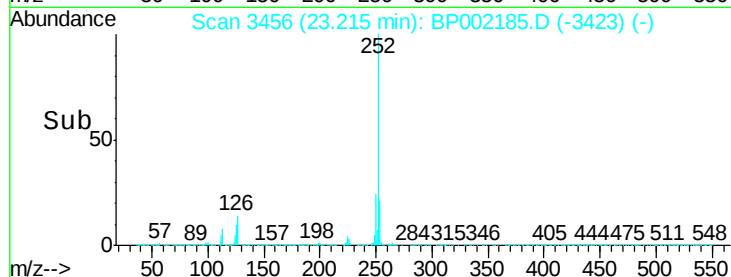
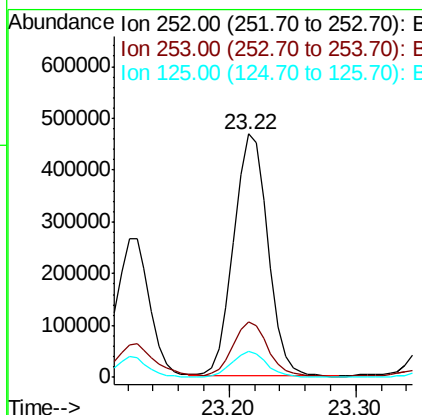
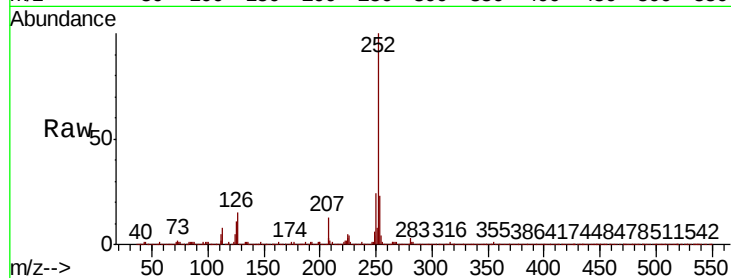
#91
Benzo(a)pyrene
Concen: 6.607 ng/ul
RT: 23.22 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Instrument :
BNA_P
ClientSampled :
C0AC5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.7	8.2	12.2

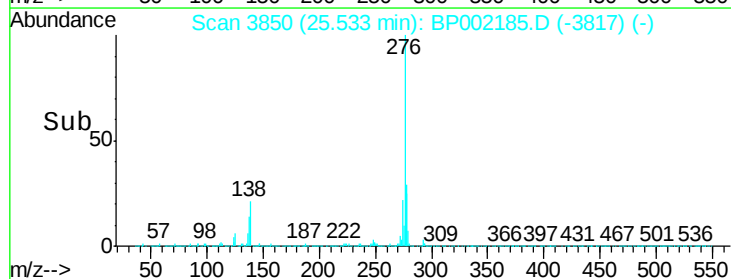
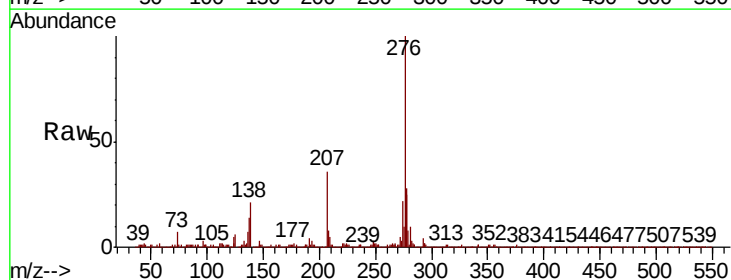
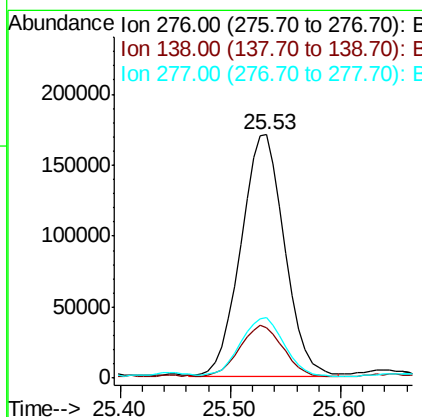
Manual Integrations
APPROVED

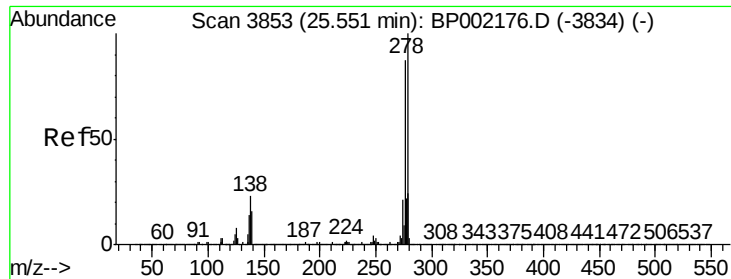
mohammad
3/13/2020 8:57:24 AM



#92
Indeno(1,2,3-cd)pyrene
Concen: 2.761 ng/ul
RT: 25.53 min Scan# 3850
Delta R.T. -0.01 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.6	28.0
277	25.1	20.4	30.6





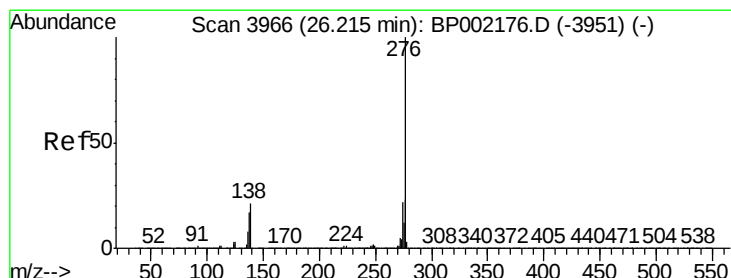
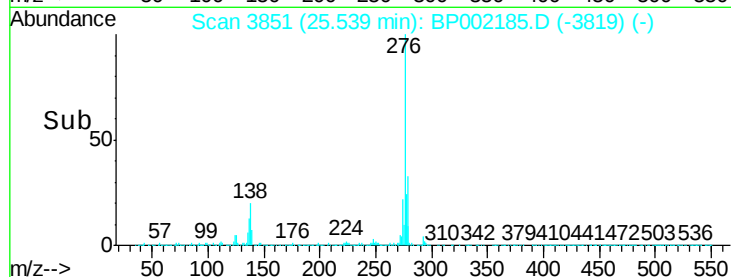
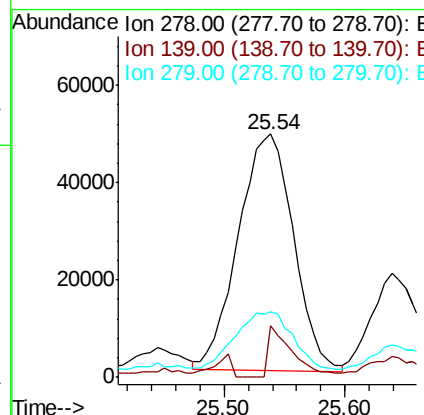
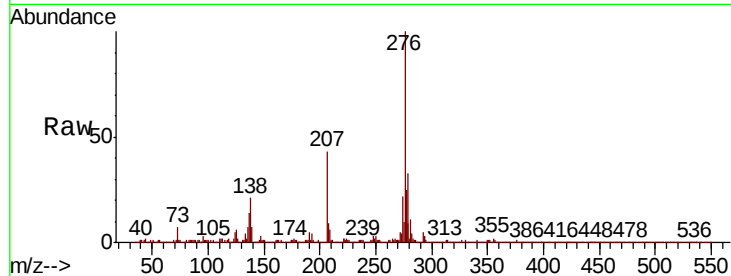
#93
Dibenzo(a,h)anthracene
Concen: 1.099 ng/ul
RT: 25.54 min Scan# 3851
Delta R.T. -0.01 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Instrument :
BNA_P
ClientSampleId :
C0AC5

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.1	12.1	18.1#
279	27.1	19.1	28.7

Manual Integrations
APPROVED

mohammad
3/13/2020 8:57:24 AM



#94
Benzo(g,h,i)perylene
Concen: 2.001 ng/ul
RT: 26.21 min Scan# 3965
Delta R.T. -0.01 min
Lab File: BP002185.D
Acq: 12 Mar 2020 15:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.2	24.2
277	23.4	18.1	27.1

