

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
 Data File : BP002303.D
 Acq On : 28 May 2020 11:25
 Operator : CG/JU
 Sample : L2744-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NM55-COMP-2020-0-6

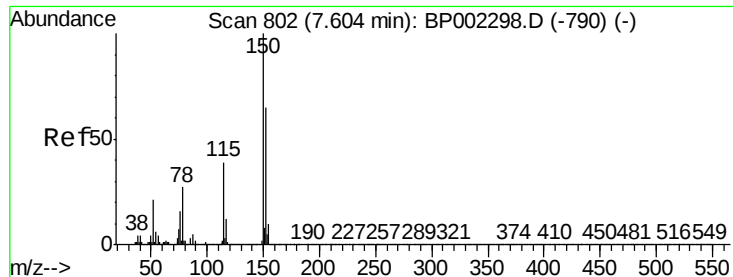
Manual Integrations
 APPROVED

mohammad
 5/29/2020 10:30:51 PM

Quant Time: May 28 12:38:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 11:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	296606	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1232747	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	718417	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1491480	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1377312	20.00	ng	0.00
86) Perylene-d12	23.29	264	1419622	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1591340	100.76	ng	0.00
7) Phenol-d6	6.79	99	2214113	103.06	ng	0.00
23) Nitrobenzene-d5	8.75	82	1451806	70.81	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	676529	99.36	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2992519	73.50	ng	0.00
79) Terphenyl-d14	19.59	244	3900220	68.58	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.71	163	564607	11.611	ng	Qvalue 100
71) Phenanthrene	17.04	178	212850	3.013	ng	98
75) Fluoranthene	19.02	202	580316	7.132	ng	99
78) Pyrene	19.37	202	570350	6.650	ng	98
81) Benzo(a)anthracene	21.08	228	352255	4.468	ng	98
83) Chrysene	21.13	228	394784	5.217	ng	97
87) Indeno(1,2,3-cd)pyrene	25.50	276	298022	3.392	ng	96
88) Benzo(b)fluoranthene	22.64	252	682399m	8.817	ng	
89) Benzo(k)fluoranthene	22.67	252	228465m	3.076	ng	
90) Benzo(a)pyrene	23.19	252	464535	6.470	ng	# 97
92) Benzo(g,h,i)perylene	26.17	276	290492	3.975	ng	# 93

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



#1

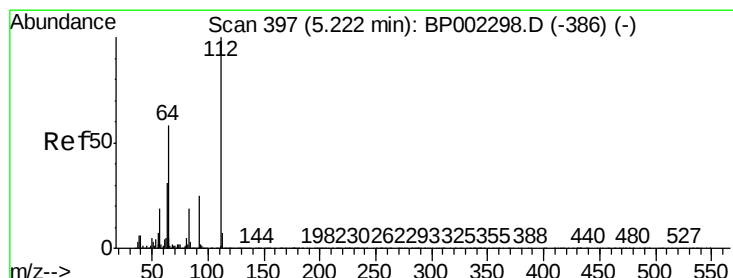
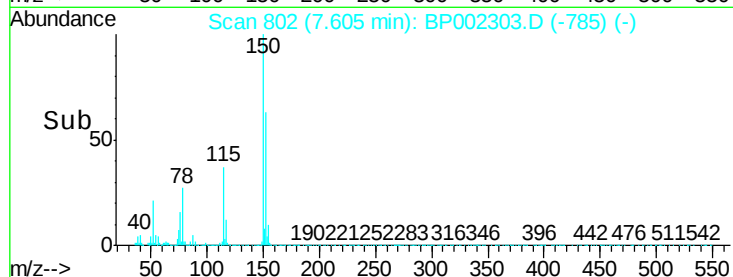
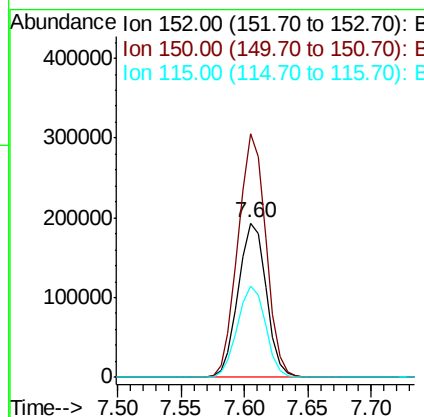
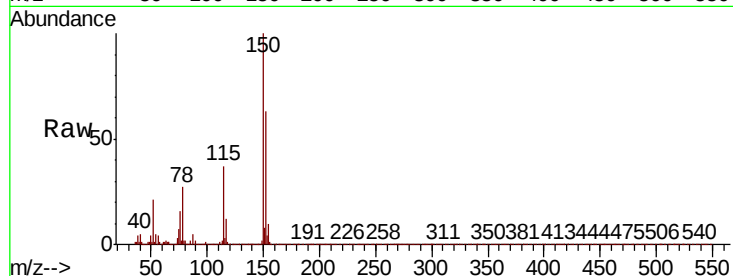
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. -0.00 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Instrument :
BNA_P
ClientSampleId :
NM55-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.7	187.1
115	59.0	49.4	74.2

Manual Integrations
APPROVED

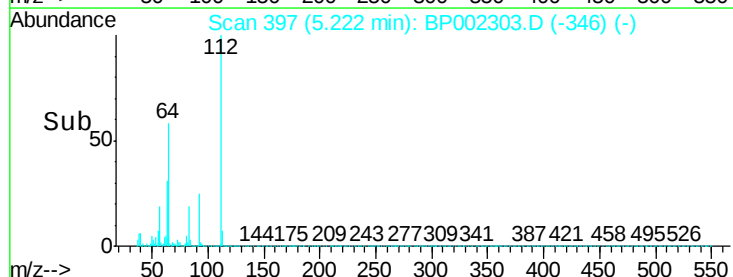
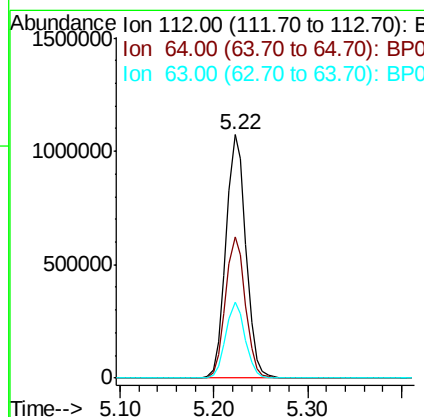
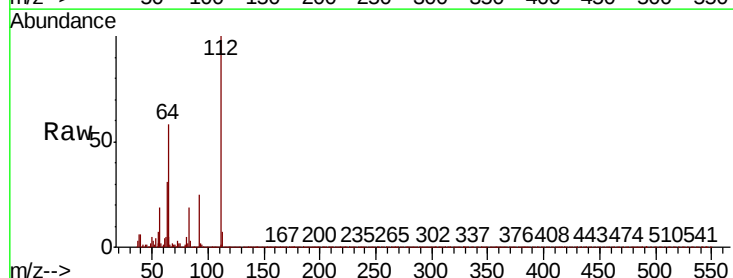
mohammad
5/29/2020 10:30:51 PM

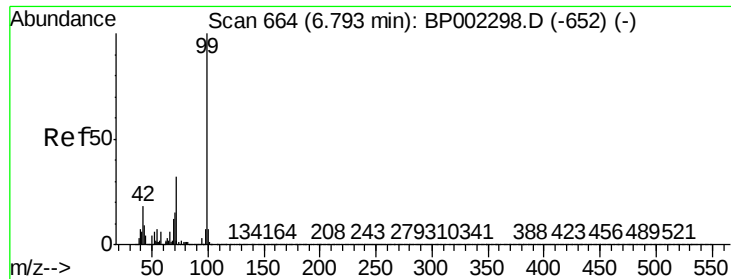


#5

2-Fluorophenol
Concen: 100.765 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.0	70.4
63	31.2	24.0	36.0





#7

Phenol-d6

Concen: 103.063 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.00 min

Lab File: BP002303.D

Acq: 28 May 2020 11:25

Instrument :

BNA_P

ClientSampleId :

NM55-COMP-2020-0-6

Tot Ion: 99 Resp: 2214113

Ion Ratio Lower Upper

99 100

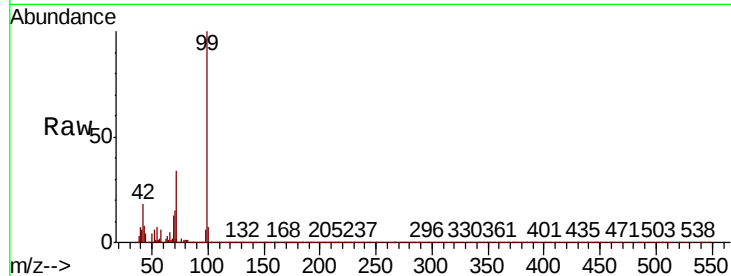
42 17.7 13.9 20.9

71 33.5 25.8 38.8

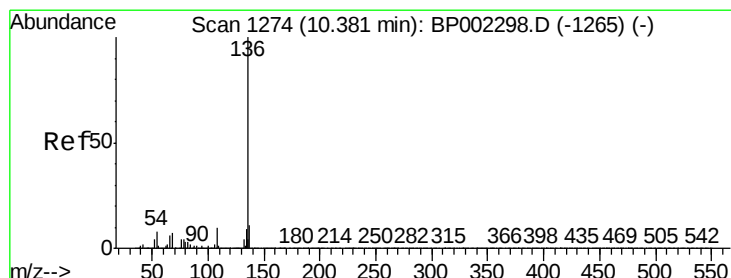
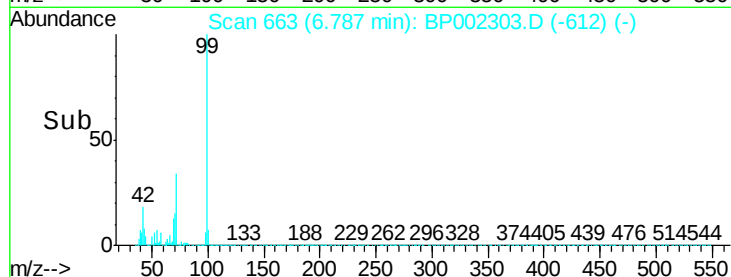
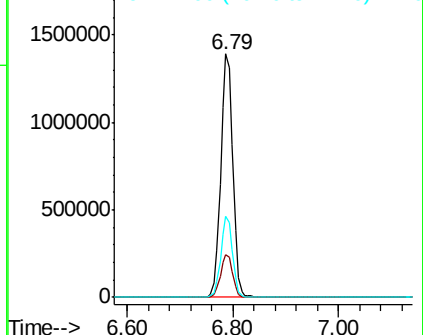
Manual Integrations
APPROVED

mohammad

5/29/2020 10:30:51 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BP002303.D

Acq: 28 May 2020 11:25

Tgt Ion: 136 Resp: 1232747

Ion Ratio Lower Upper

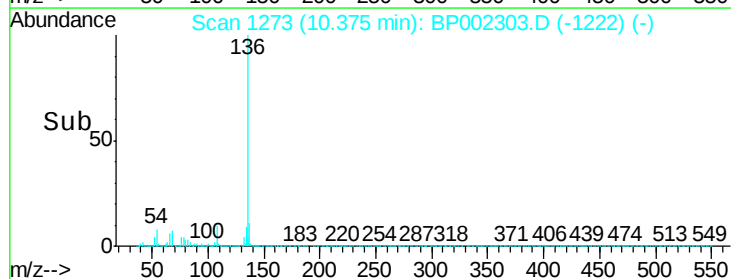
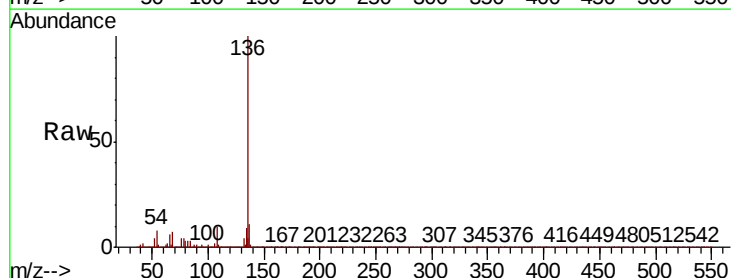
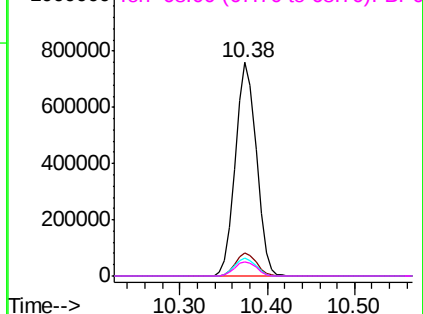
136 100

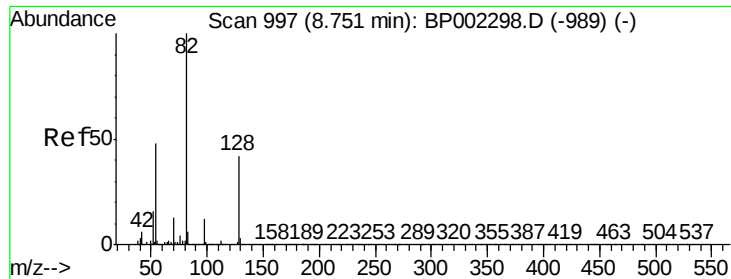
137 10.7 8.8 13.2

54 8.4 6.9 10.3

68 6.8 5.6 8.4

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





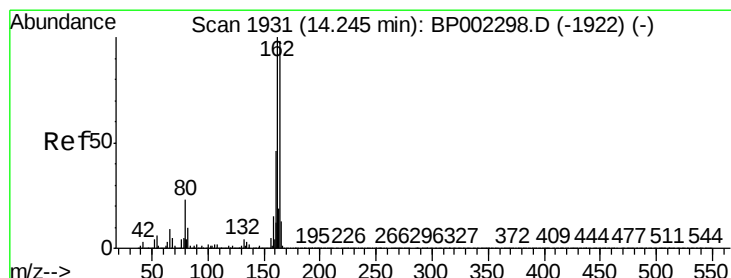
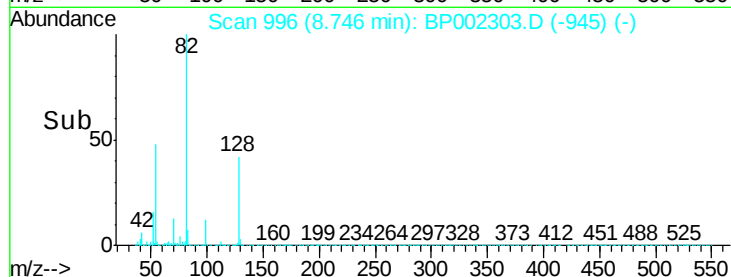
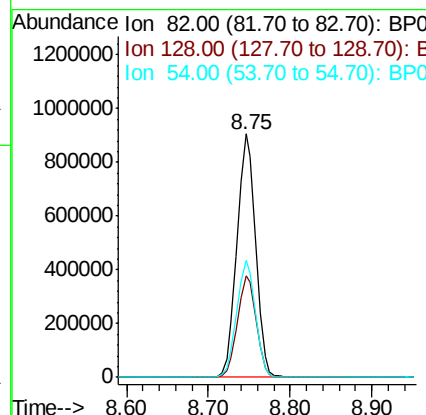
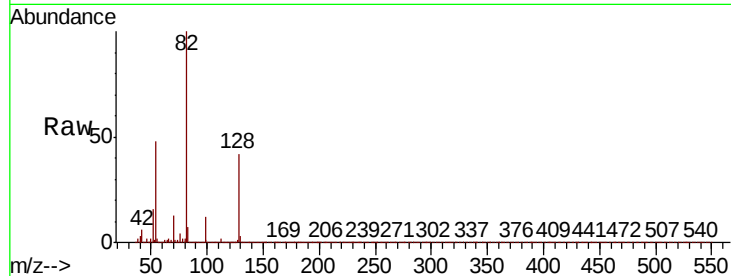
#23
Nitrobenzene-d5
Concen: 70.806 ng
RT: 8.75 min Scan# 996
Delta R.T. -0.00 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Instrument :
BNA_P
ClientSampleId :
NM55-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.4	50.0
54	48.1	38.3	57.5

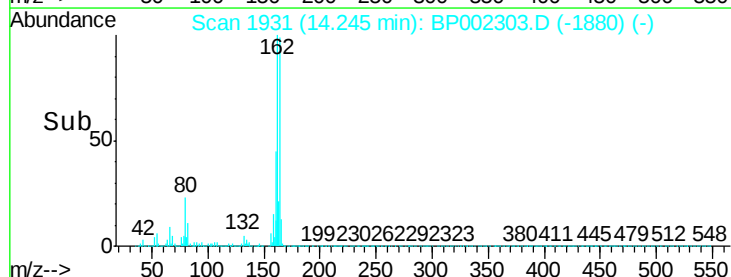
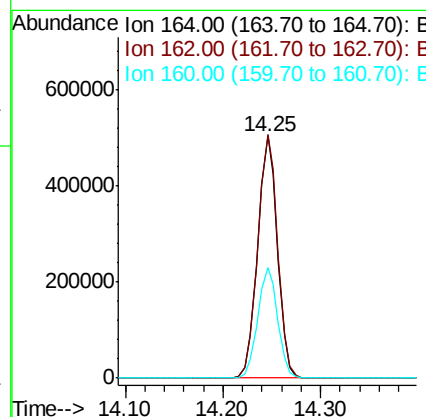
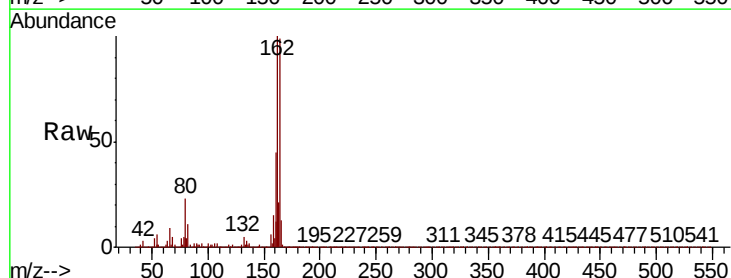
Manual Integrations
APPROVED

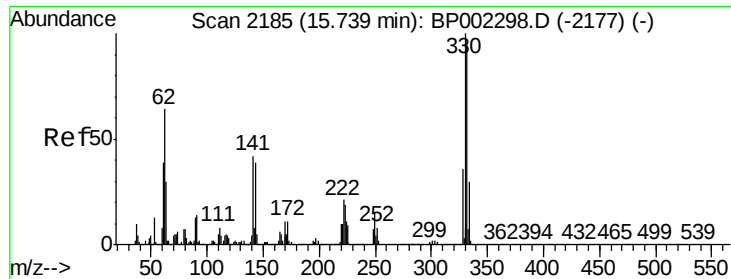
mohammad
5/29/2020 10:30:51 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1931
Delta R.T. -0.00 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.3	121.9
160	45.7	37.2	55.8





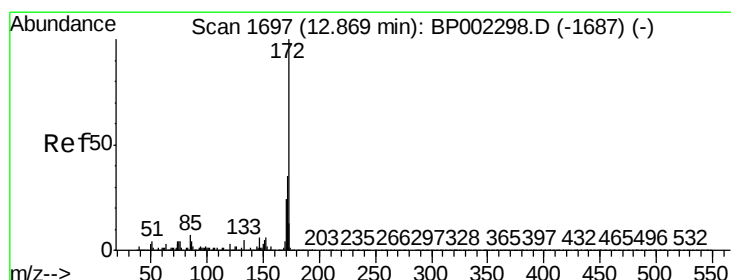
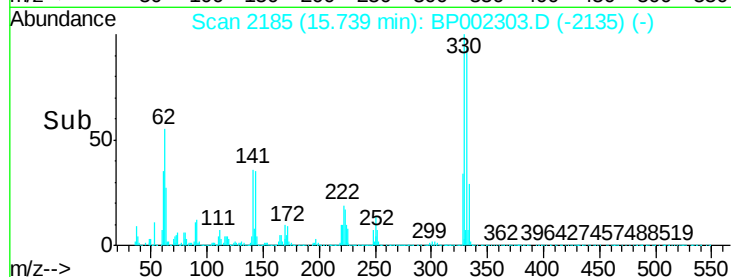
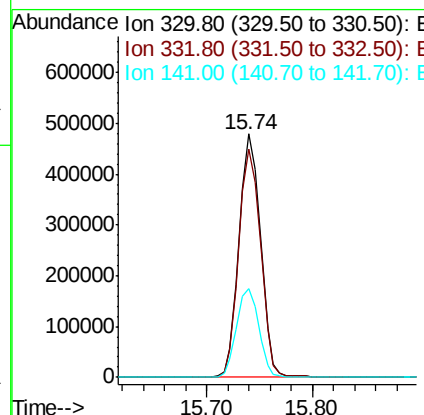
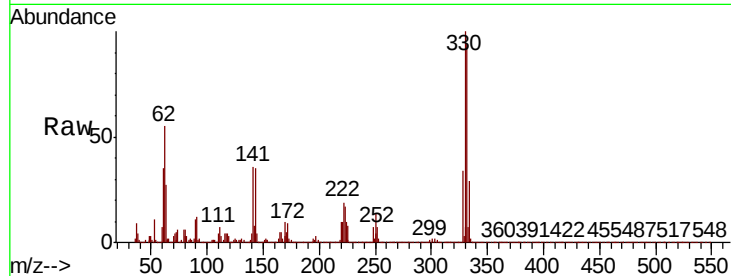
#42
 2,4,6-Tribromophenol
 Concen: 99.360 ng
 RT: 15.74 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: BP002303.D
 Acq: 28 May 2020 11:25

Instrument :
 BNA_P
 ClientSampleId :
 NM55-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	676529		
332	95.5	76.9	115.3	
141	37.8	31.4	47.2	

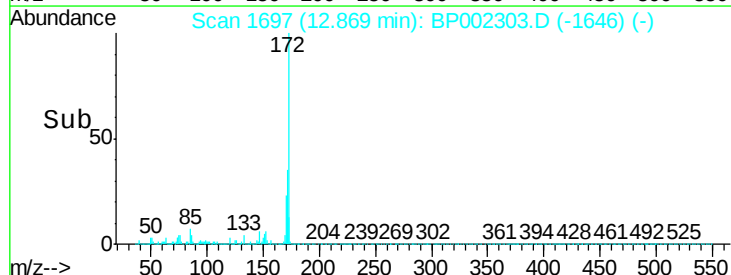
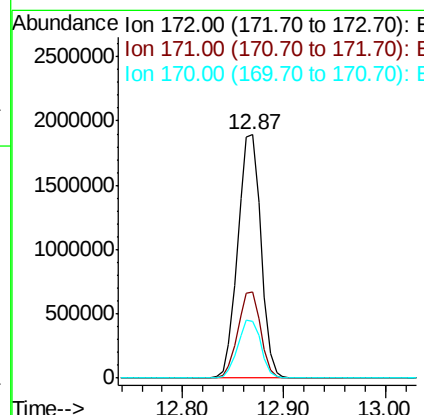
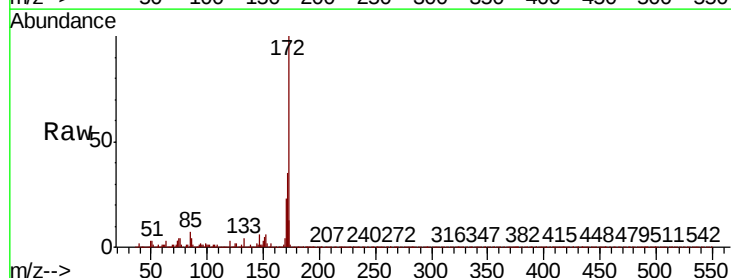
Manual Integrations
 APPROVED

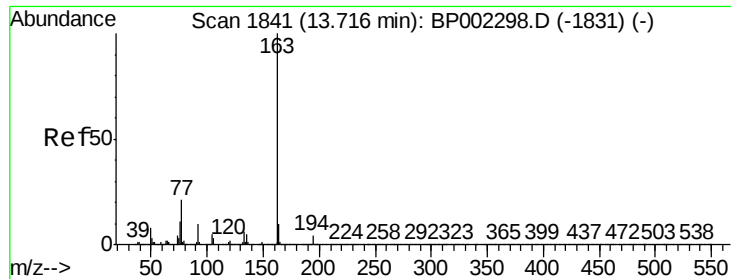
mohammad
 5/29/2020 10:30:51 PM



#45
 2-Fluorobiphenyl
 Concen: 73.501 ng
 RT: 12.87 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: BP002303.D
 Acq: 28 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2992519		
171	35.4	27.6	41.4	
170	23.5	18.9	28.3	





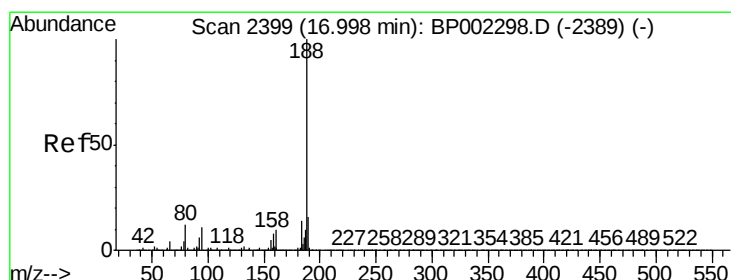
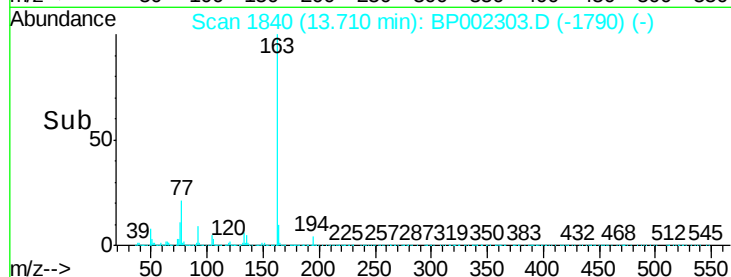
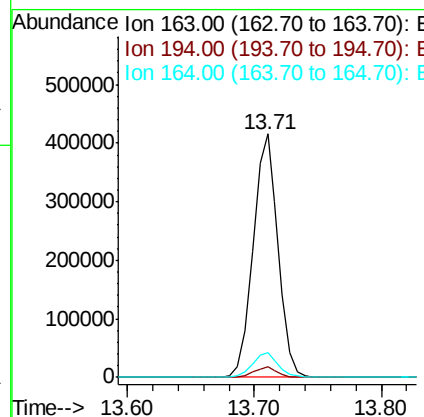
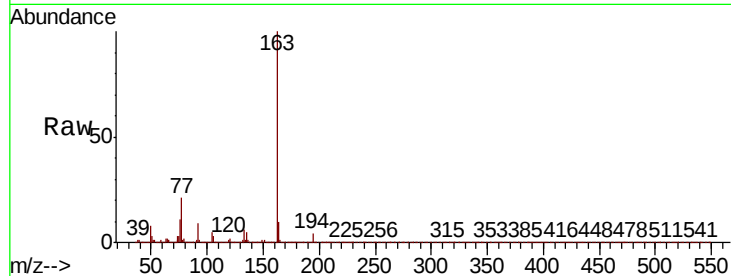
#50
Dimethylphthalate
Concen: 11.611 ng
RT: 13.71 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Instrument :
BNA_P
ClientSampleId :
NM55-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	564607		
194	4.2		3.2	4.8
164	10.2		8.1	12.1

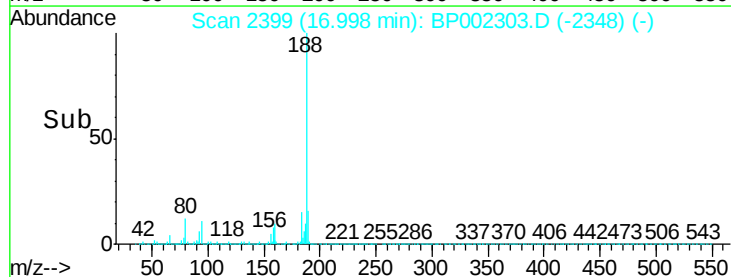
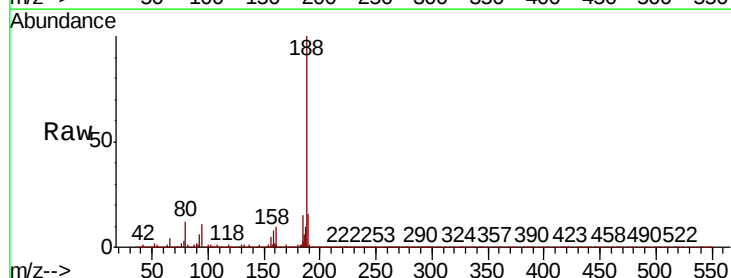
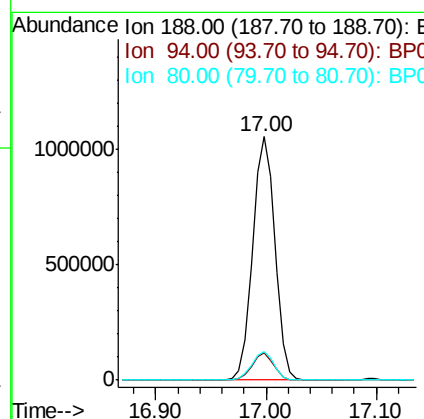
Manual Integrations
APPROVED

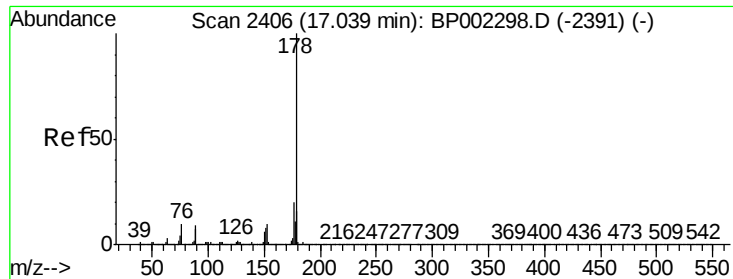
mohammad
5/29/2020 10:30:51 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2399
Delta R.T. -0.00 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1491480		
94	11.0		8.7	13.1
80	11.7		9.3	13.9





#71

Phenanthrene

Concen: 3.013 ng

RT: 17.04 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BP002303.D

Acq: 28 May 2020 11:25

Instrument :

BNA_P

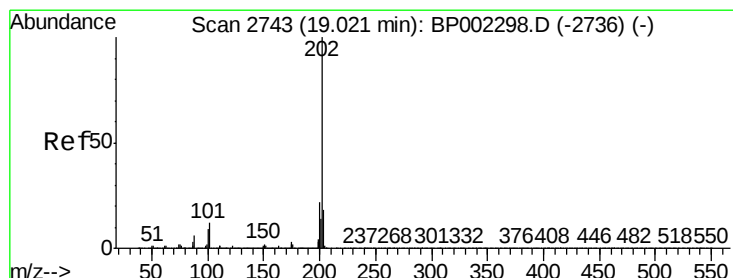
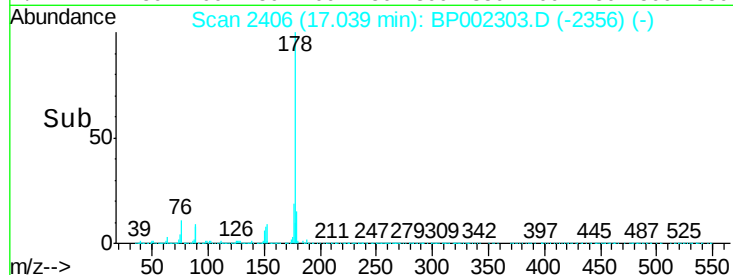
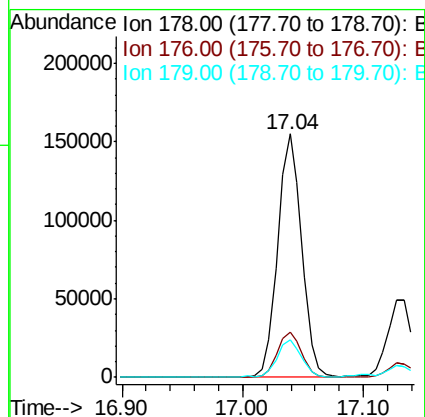
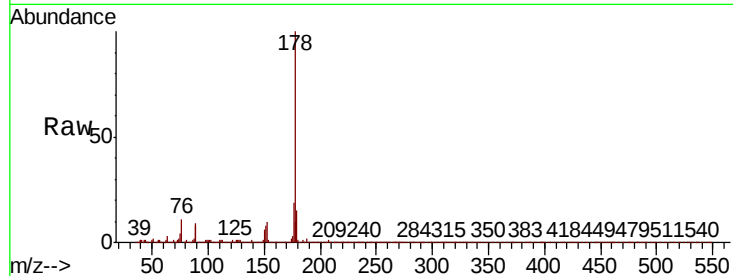
ClientSampleId :

NM55-COMP-2020-0-6

Tot Ion:	178	Resp:	212850
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.8
179	15.5	12.6	18.8

Manual Integrations
APPROVED

mohammad
5/29/2020 10:30:51 PM



#75

Fluoranthene

Concen: 7.132 ng

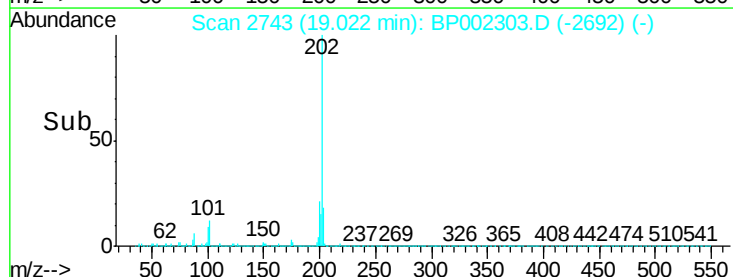
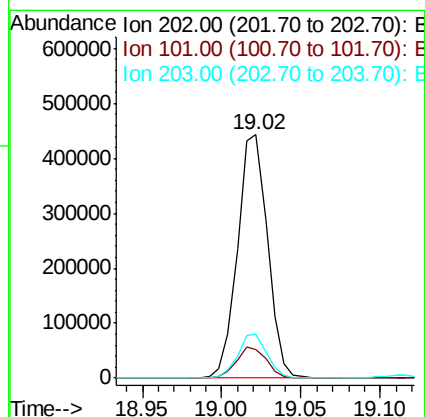
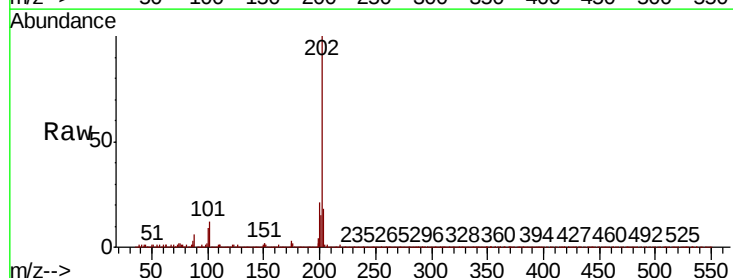
RT: 19.02 min Scan# 2743

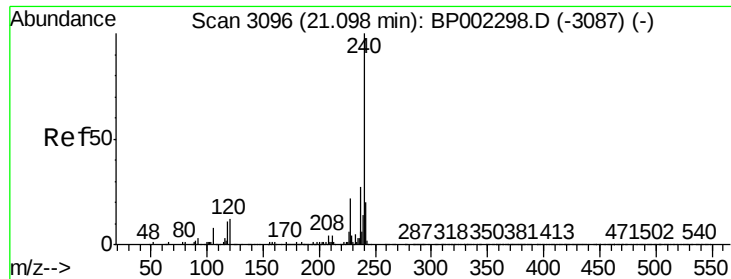
Delta R.T. -0.00 min

Lab File: BP002303.D

Acq: 28 May 2020 11:25

Tgt Ion:	202	Resp:	580316
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	32.1
203	18.2	0.0	37.6





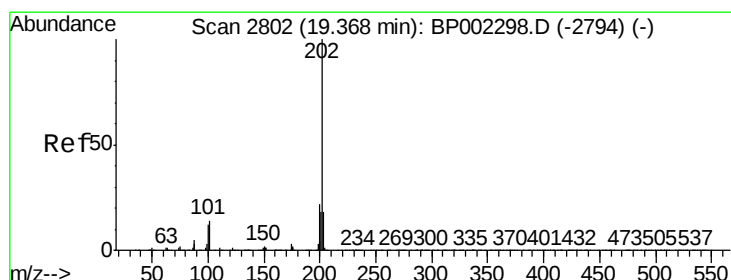
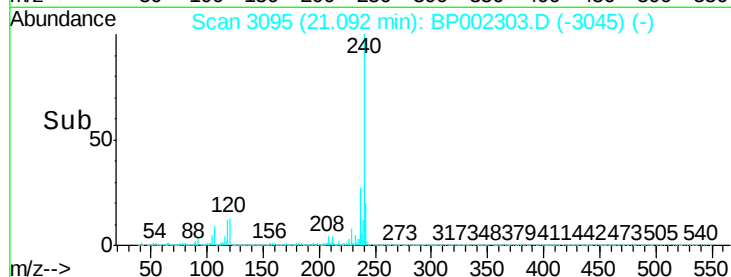
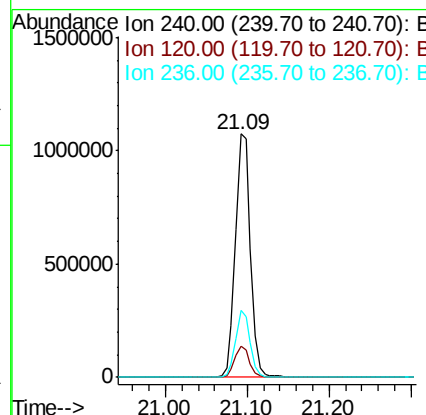
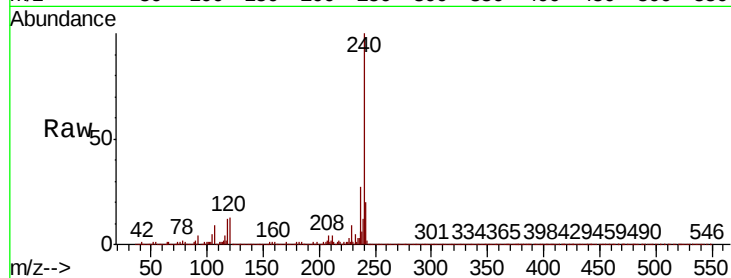
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Instrument :
BNA_P
ClientSampleId :
NM55-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	8.7	13.1
236	27.3	21.0	31.4

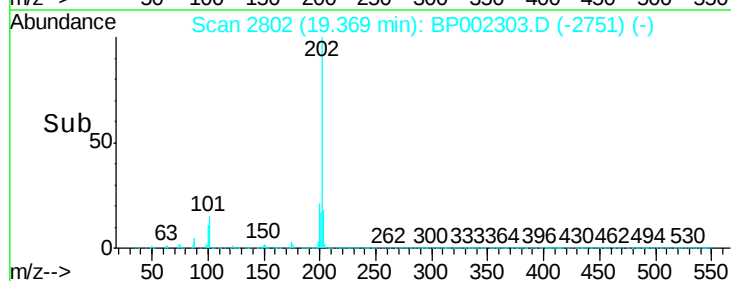
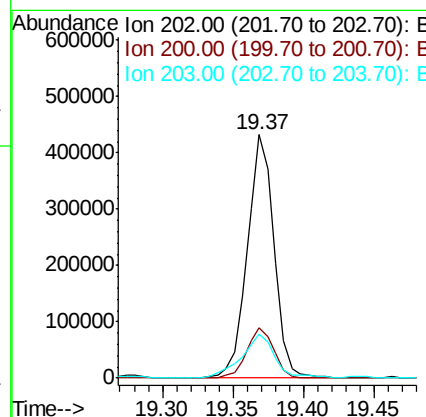
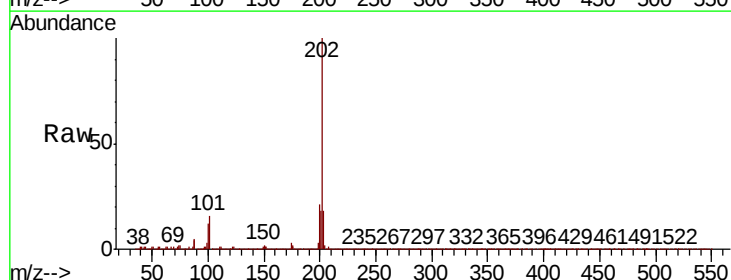
Manual Integrations
APPROVED

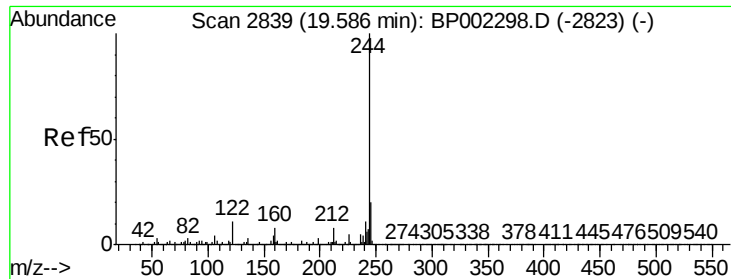
mohammad
5/29/2020 10:30:51 PM



#78
Pyrene
Concen: 6.650 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.00 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.3	25.9
203	18.2	13.8	20.6





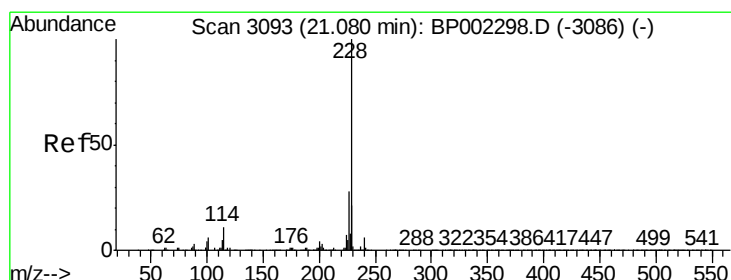
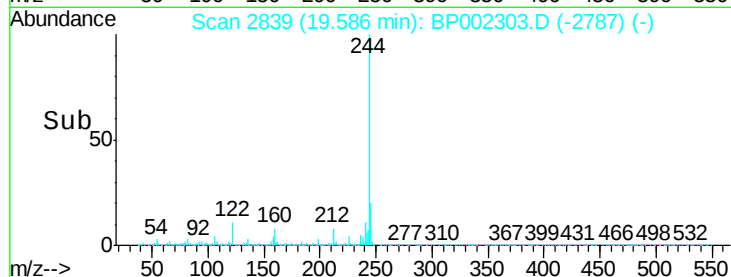
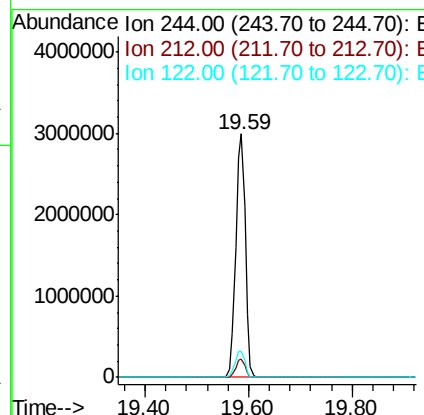
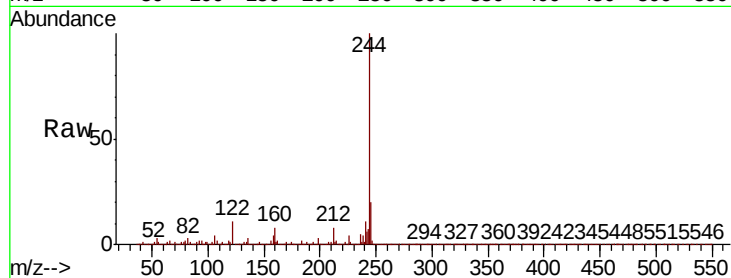
#79
 Terphenyl-d14
 Concen: 68.577 ng
 RT: 19.59 min Scan# 2839
 Delta R.T. 0.01 min
 Lab File: BP002303.D
 Acq: 28 May 2020 11:25

Instrument :
 BNA_P
 ClientSampleId :
 NM55-COMP-2020-0-6

Tot Ion:244 Resp: 3900220
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.4 9.6
 122 10.9 9.4 14.0

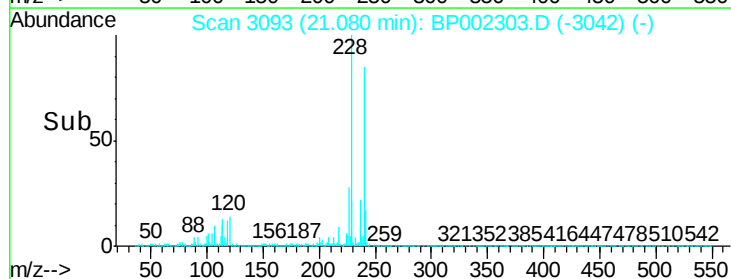
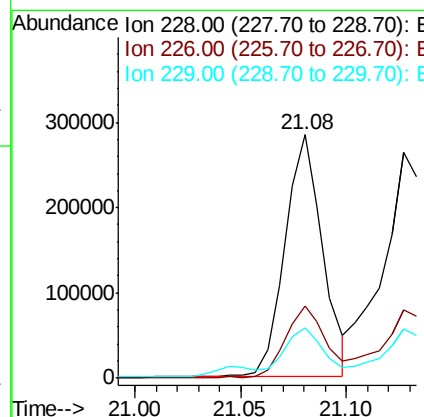
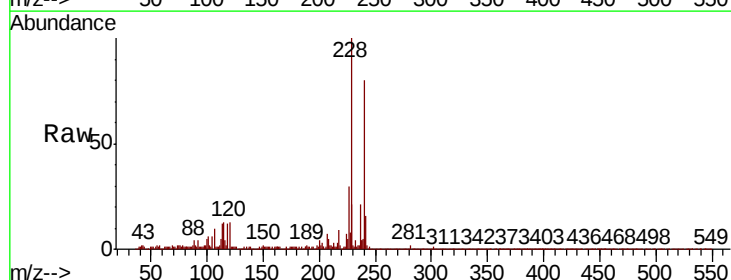
Manual Integrations
 APPROVED

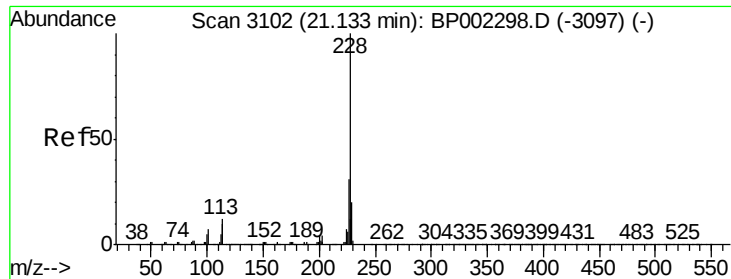
mohammad
 5/29/2020 10:30:51 PM



#81
 Benzo(a)anthracene
 Concen: 4.468 ng
 RT: 21.08 min Scan# 3093
 Delta R.T. -0.00 min
 Lab File: BP002303.D
 Acq: 28 May 2020 11:25

Tgt Ion:228 Resp: 352255
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.7 34.1
 229 20.7 16.3 24.5





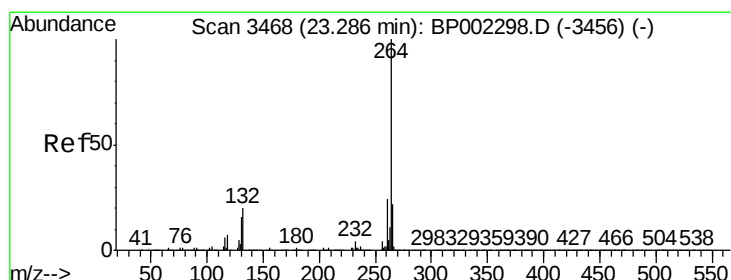
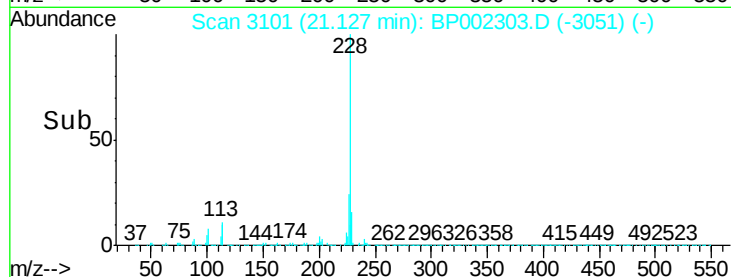
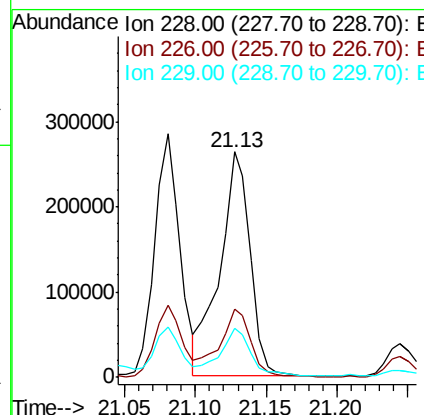
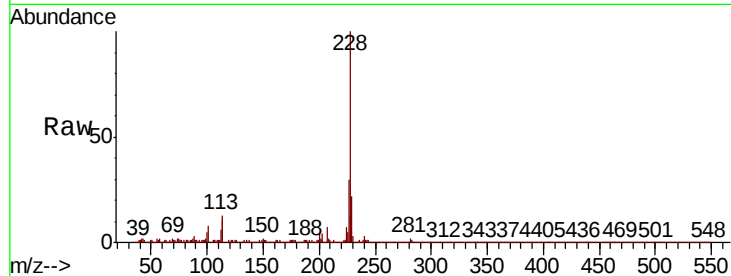
#83
Chrysene
Concen: 5.217 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Instrument :
BNA_P
ClientSampleId :
NM55-COMP-2020-0-6

Tot Ion:	228	Resp:	394784
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.8	16.2	24.4

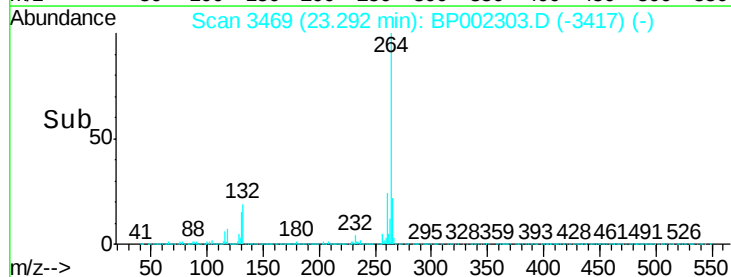
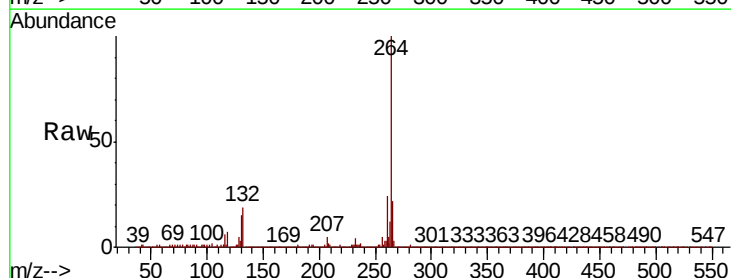
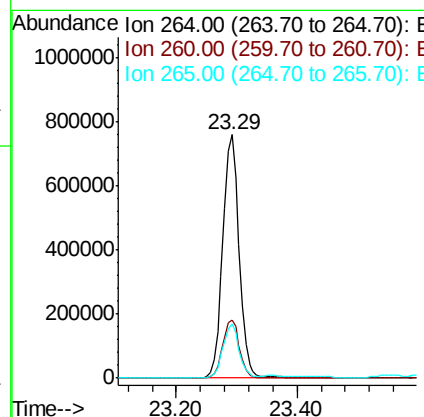
Manual Integrations
APPROVED

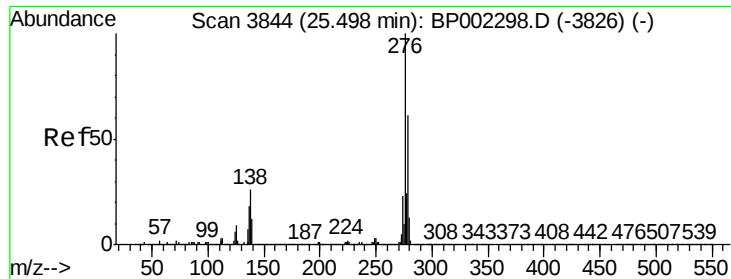
mohammad
5/29/2020 10:30:51 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. 0.01 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Tgt Ion:	264	Resp:	1419622
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	22.5	17.8	26.6





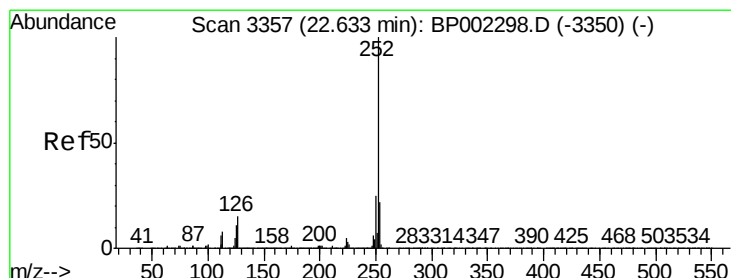
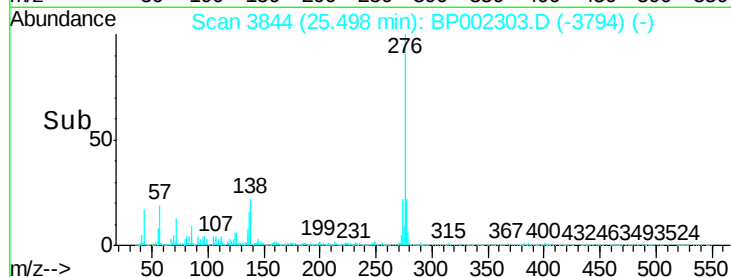
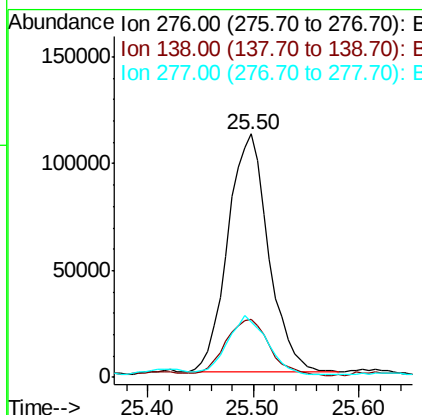
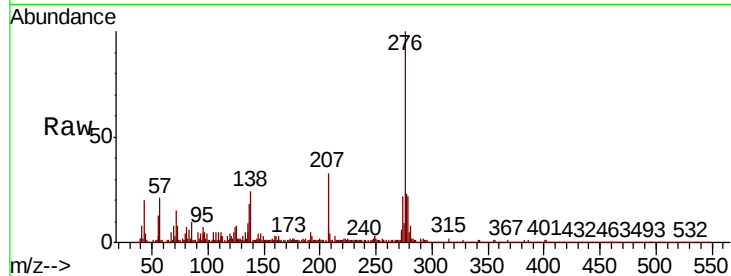
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.392 ng
 RT: 25.50 min Scan# 3844
 Delta R.T. -0.01 min
 Lab File: BP002303.D
 Acq: 28 May 2020 11:25

Instrument :
 BNA_P
 ClientSampleId :
 NM55-COMP-2020-0-6

Tot Ion:	276	Resp:	298022
Ion Ratio	Lower	Upper	
276	100		
138	25.8	18.2	27.4
277	24.4	20.2	30.2

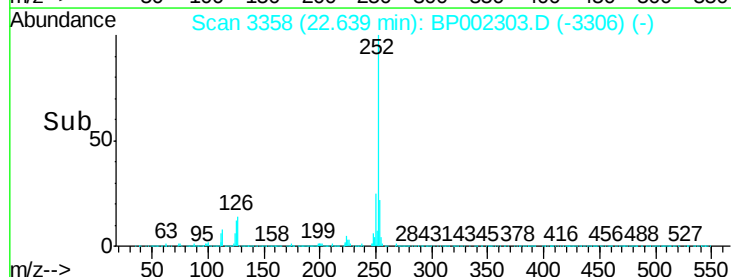
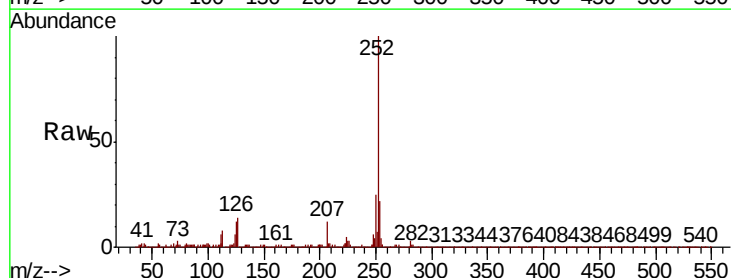
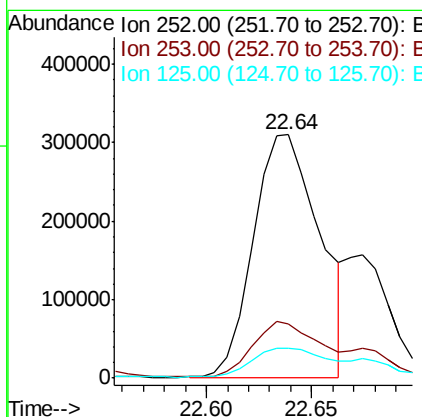
Manual Integrations
 APPROVED

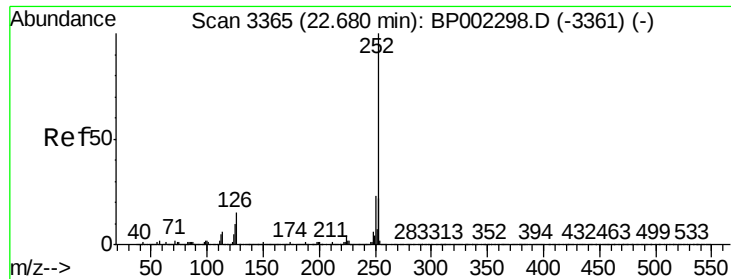
mohammad
 5/29/2020 10:30:51 PM



#88
 Benzo(b)fluoranthene
 Concen: 8.817 ng m
 RT: 22.64 min Scan# 3358
 Delta R.T. 0.01 min
 Lab File: BP002303.D
 Acq: 28 May 2020 11:25

Tgt Ion:	252	Resp:	682399
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.2
125	12.3	7.2	10.8#





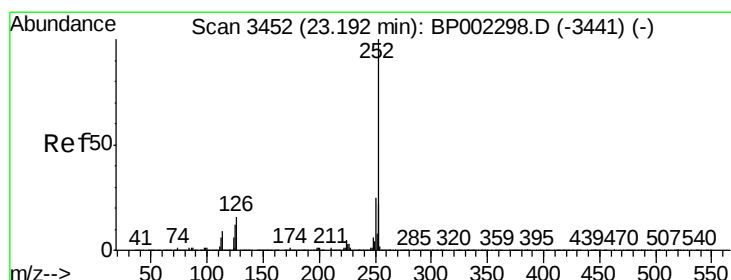
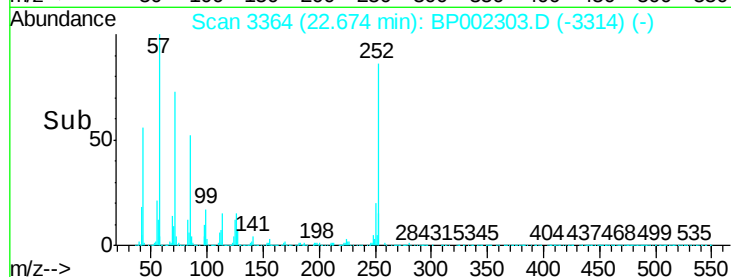
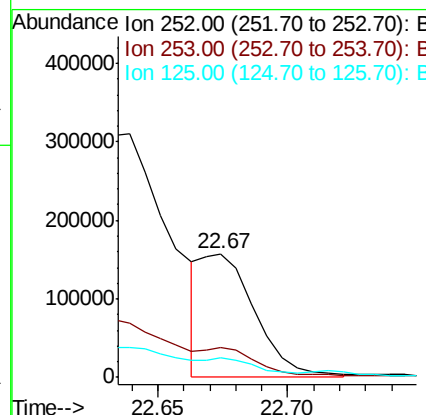
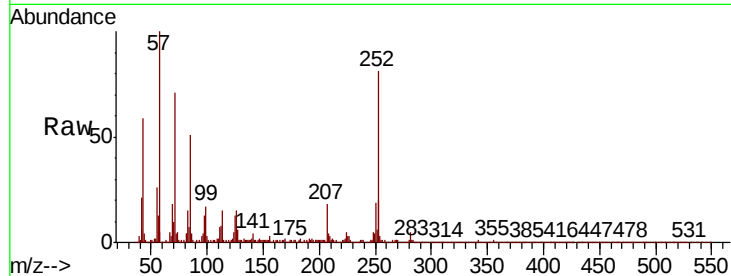
#89
Benzo(k)fluoranthene
Concen: 3.076 ng m
RT: 22.67 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Instrument :
BNA_P
ClientSampleId :
NM55-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	15.7	7.4	11.2

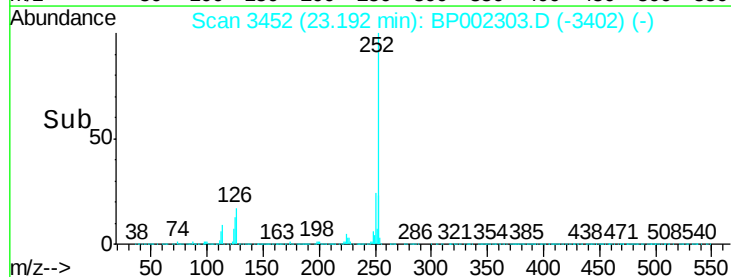
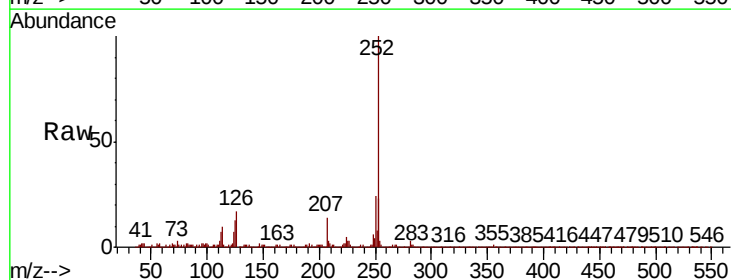
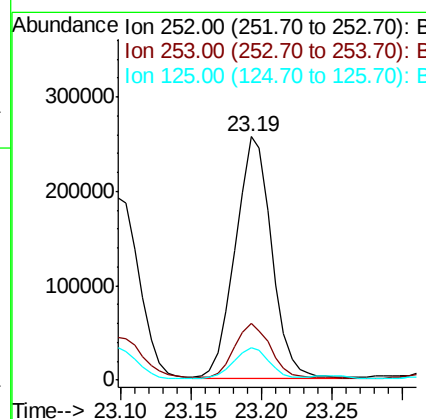
Manual Integrations
APPROVED

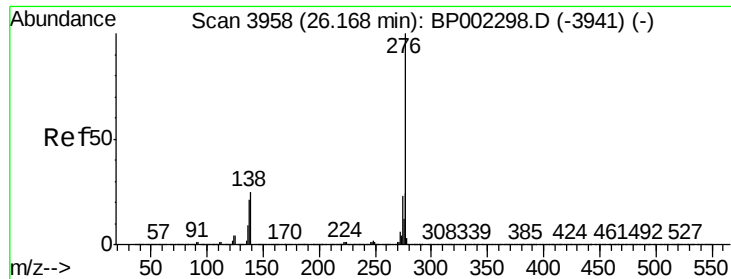
mohammad
5/29/2020 10:30:51 PM



#90
Benzo(a)pyrene
Concen: 6.470 ng
RT: 23.19 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BP002303.D
Acq: 28 May 2020 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	13.3	8.4	12.6





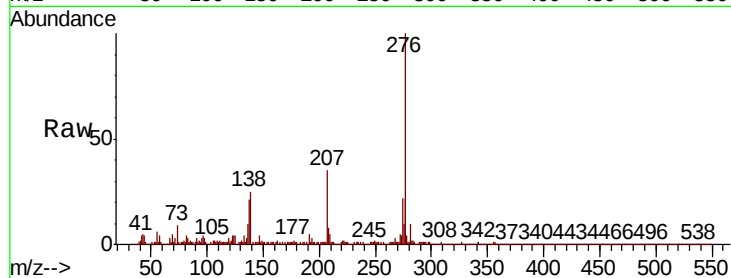
#92
 Benzo(a,h,i)perylene
 Concen: 3.975 ng
 RT: 26.17 min Scan# 3958
 Delta R.T. -0.01 min
 Lab File: BP002303.D
 Acq: 28 May 2020 11:25

Instrument :
 BNA_P
 ClientSampleId :
 NM55-COMP-2020-0-6

Tot Ion:	276	Resp:	290492
Ion Ratio	Lower	Upper	
276	100		
277	21.5	18.6	28.0
138	25.3	16.0	24.0#

Manual Integrations
 APPROVED

mohammad
 5/29/2020 10:30:51 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

