

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
 Data File : BM024652.D
 Acq On : 29 Jan 2020 16:17
 Operator : CG/JU
 Sample : L1274-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BORING-B1-SAMPLE-S1

Manual Integrations
 APPROVED

mohammad
 1/30/2020 10:18:58 AM

Quant Time: Jan 30 03:43:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	374896	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	1381395	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	865841	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1655423	20.00	ng	0.00
76) Chrysene-d12	21.05	240	1360921	20.00	ng	0.00
87) Perylene-d12	23.17	264	1594603	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1566650	79.47	ng	0.00
7) Phenol-d6	6.65	99	1956918	72.06	ng	0.00
23) Nitrobenzene-d5	8.58	82	1290536	45.82	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	970929	68.94	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	3495029	54.88	ng	0.00
79) Terphenyl-d14	19.50	244	4462048	61.21	ng	0.00
Target Compounds						
10) Phenol	6.67	94	65049	2.403	ng	99
49) Acenaphthylene	13.80	152	301657	3.809	ng	97
50) Dimethylphthalate	13.56	163	446806	6.382	ng	99
52) Acenaphthene	14.15	154	110864	2.256	ng	98
58) Fluorene	15.14	166	201815	2.997	ng	95
71) Phenanthrene	16.89	178	2903067	32.384	ng	99
72) Anthracene	16.97	178	814276	9.283	ng	100
75) Fluoranthene	18.91	202	5027056	44.931	ng	98
78) Pyrene	19.27	202	4545188	50.661	ng	99
81) Benzo(a)anthracene	21.03	228	2165432	22.925	ng	96
83) Chrysene	21.09	228	1999759	22.187	ng	97
86) Indeno(1,2,3-cd)pyrene	25.23	276	1162712	11.836	ng	96
88) Benzo(b)fluoranthene	22.55	252	2475590m	23.937	ng	
89) Benzo(k)fluoranthene	22.58	252	776715m	7.694	ng	
90) Benzo(a)pyrene	23.07	252	1840045	19.569	ng	98
91) Dibenzo(a,h)anthracene	25.24	278	299795	3.359	ng	# 88
92) Benzo(a,h,i)perylene	25.86	276	1150697	14.200	ng	97

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

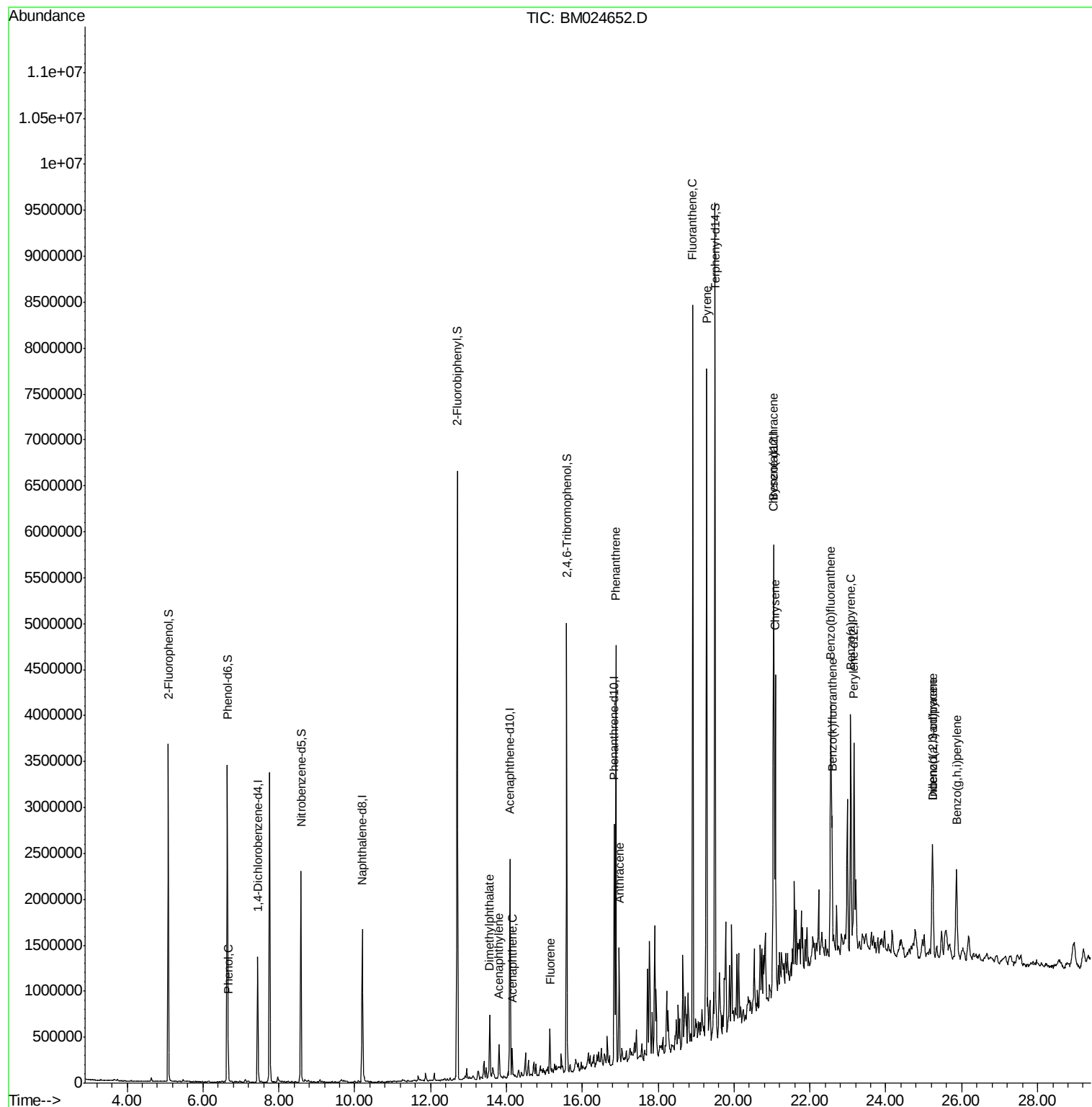
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012920\
Data File : BM024652.D
Acq On : 29 Jan 2020 16:17
Operator : CG/JU
Sample : L1274-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

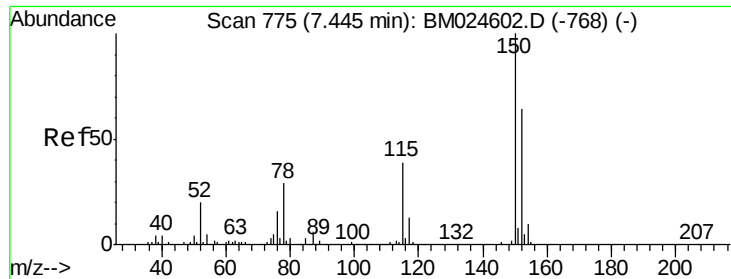
Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Manual Integrations
APPROVED

mohammad
1/30/2020 10:18:58 AM

Quant Time: Jan 30 03:43:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration





#1

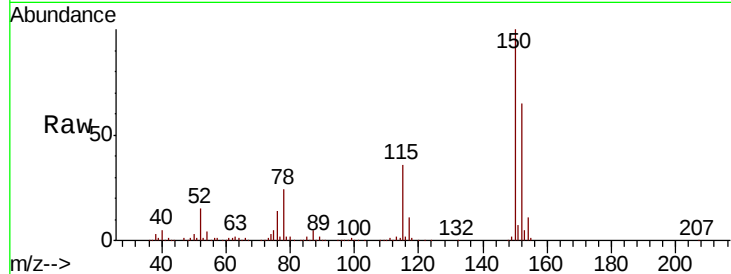
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.2	186.4
115	55.7	48.6	72.8

Manual Integrations
APPROVED

mohammad
1/30/2020 10:18:58 AM

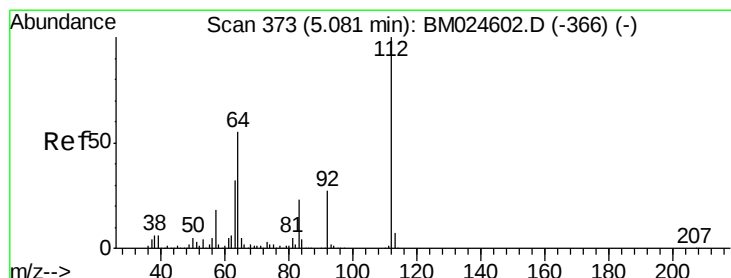
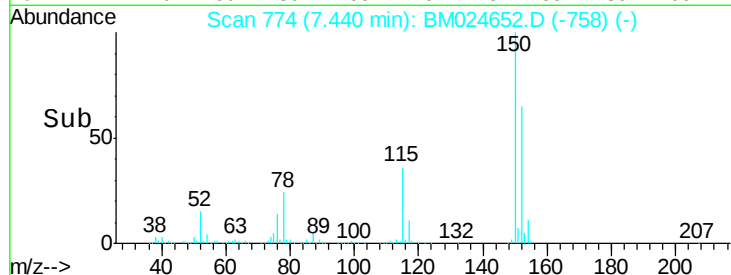
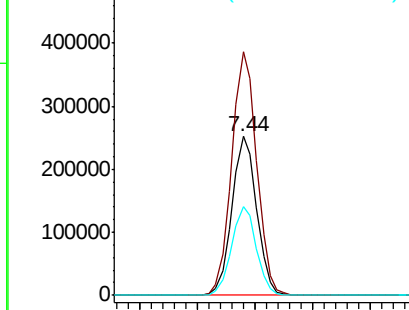


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

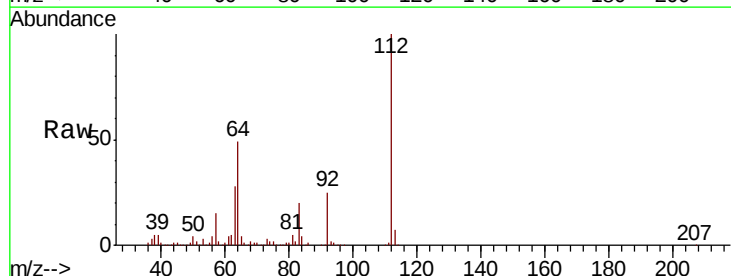
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.472 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.2	44.2	66.4
63	27.9	25.9	38.9

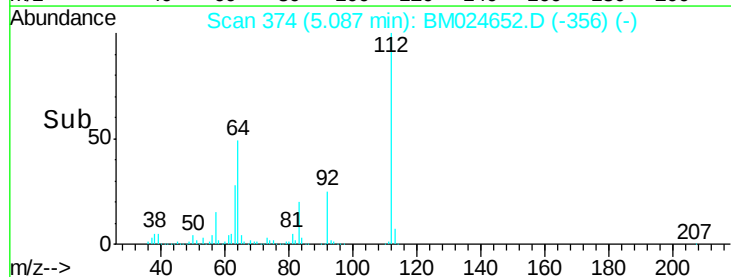
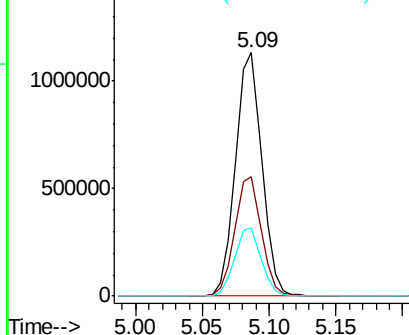


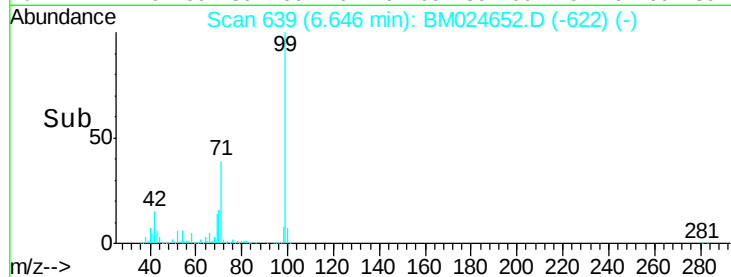
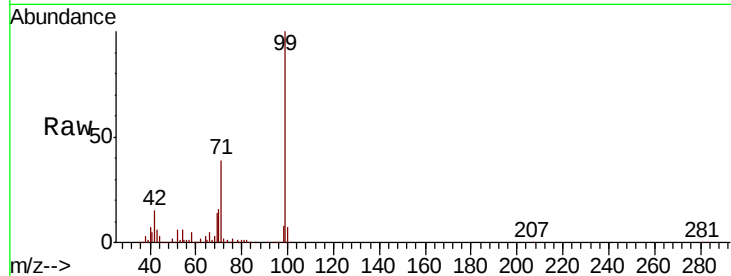
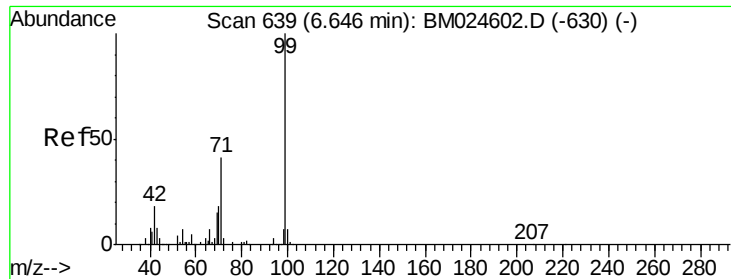
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 72.062 ng

RT: 6.65 min Scan# 639

Delta R.T. 0.00 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Tot Ion:	99	Resp:	1956918
Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.1	21.1
71	38.9	33.0	49.6

Instrument :

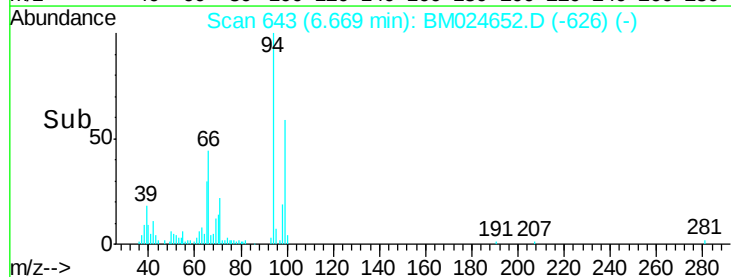
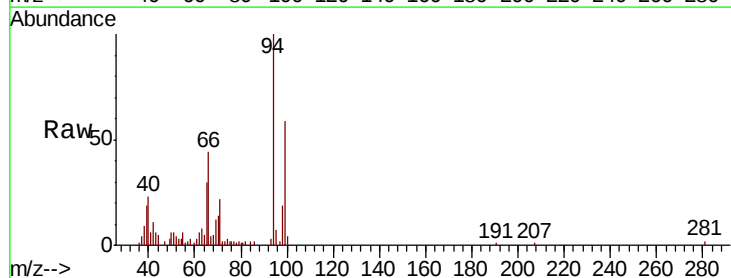
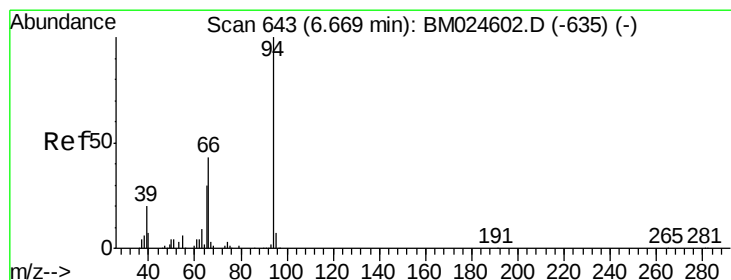
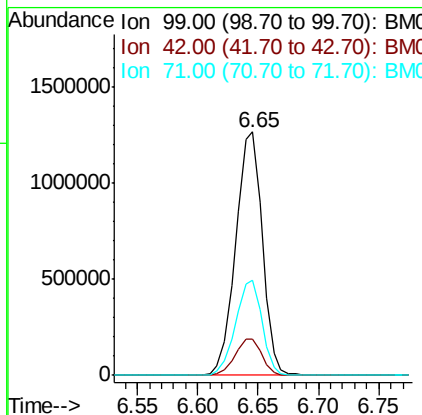
BNA_M

ClientSampleId :

BORING-B1-SAMPLE-S1

Manual Integrations
APPROVED

mohammad
1/30/2020 10:18:58 AM



#10

Phenol

Concen: 2.403 ng

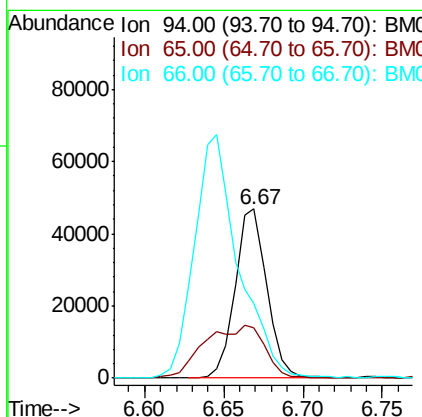
RT: 6.67 min Scan# 643

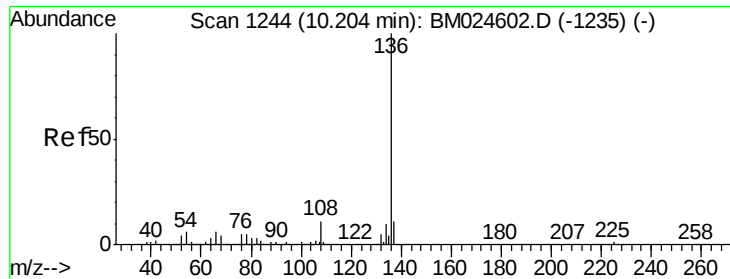
Delta R.T. 0.00 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Tgt Ion:	94	Resp:	65049
Ion	Ratio	Lower	Upper
94	100		
65	29.9	10.3	50.3
66	44.3	24.8	64.8





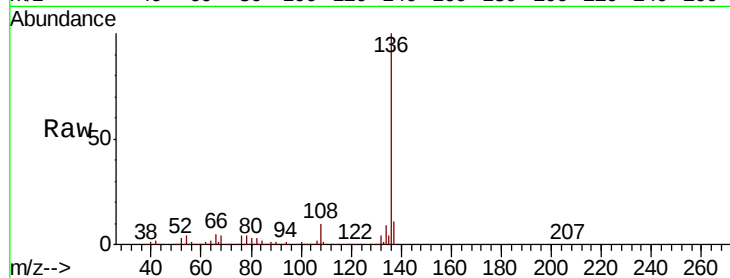
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

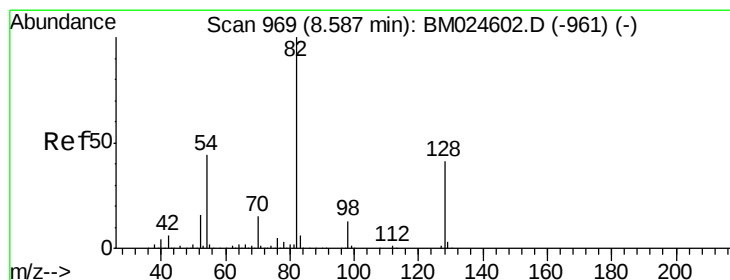
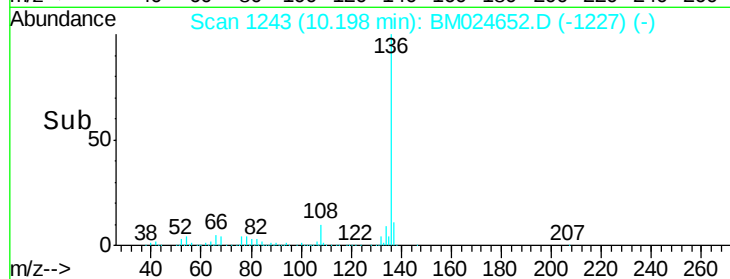
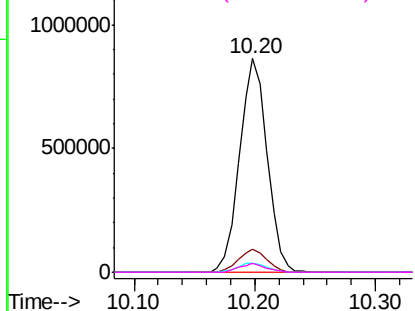
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	4.4	4.5	6.7#
68	3.9	3.4	5.0

Manual Integrations
APPROVED

mohammad
1/30/2020 10:18:58 AM

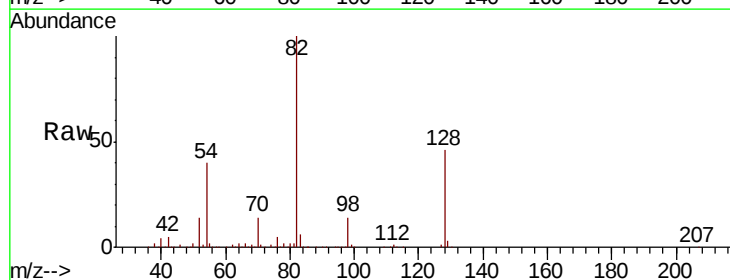


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

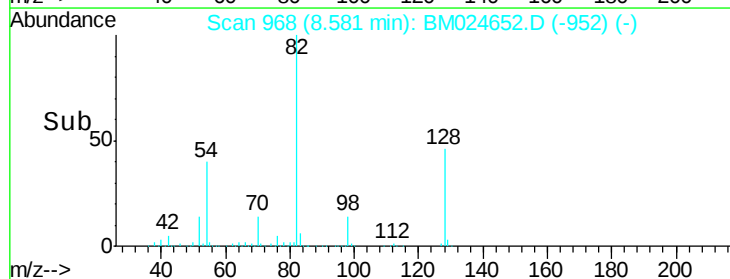
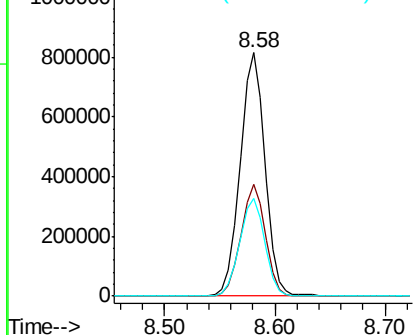


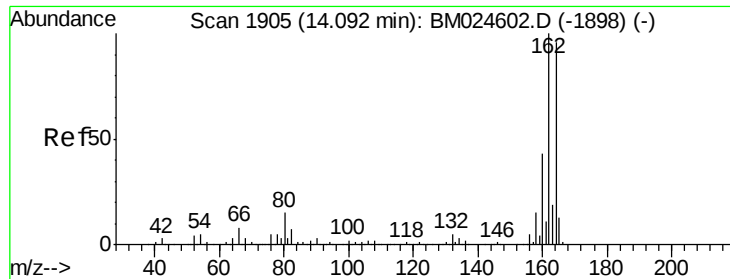
#23
Nitrobenzene-d5
Concen: 45.816 ng
RT: 8.58 min Scan# 968
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.9	32.6	48.8
54	40.3	34.8	52.2



Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM0





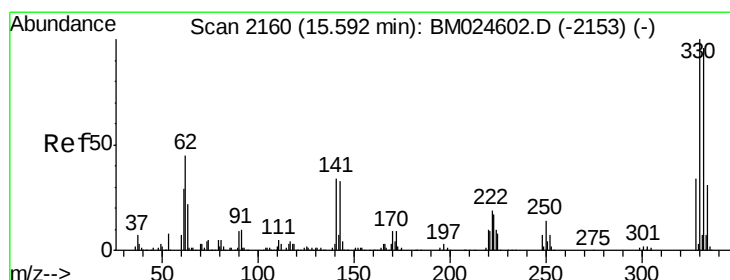
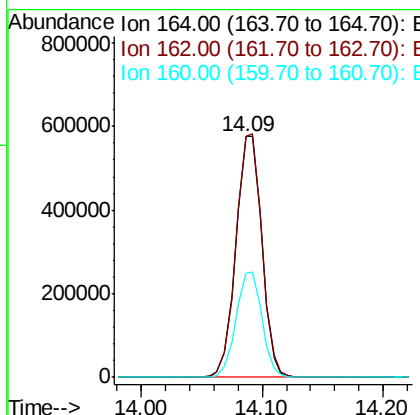
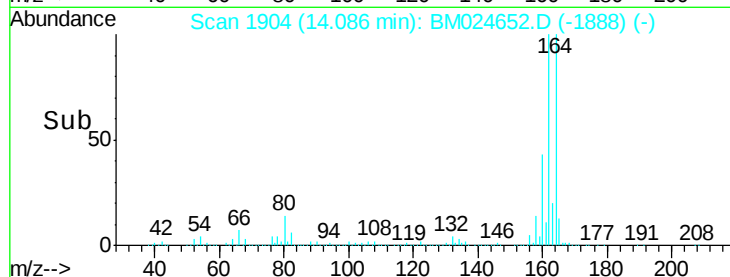
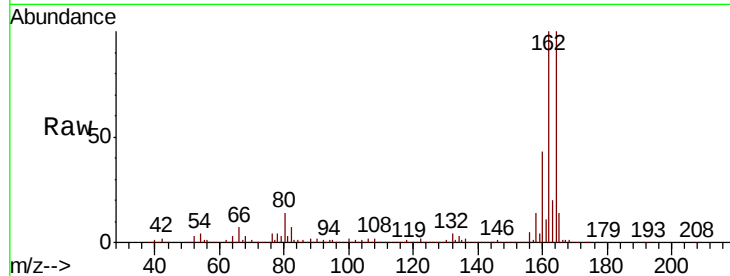
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.09 min Scan# 1904
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.1	82.9	124.3	
160	43.3	35.5	53.3	

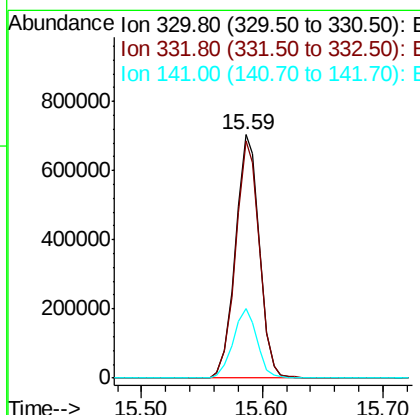
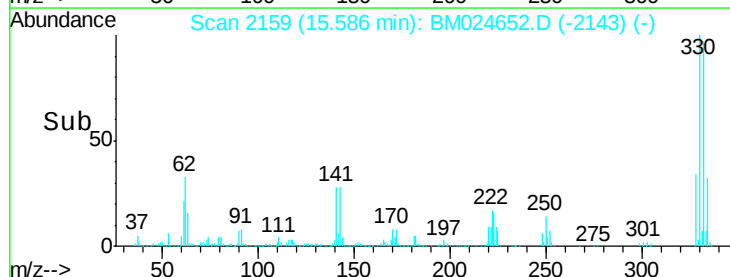
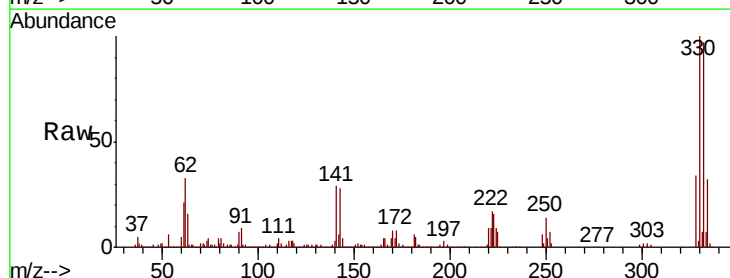
Manual Integrations
APPROVED

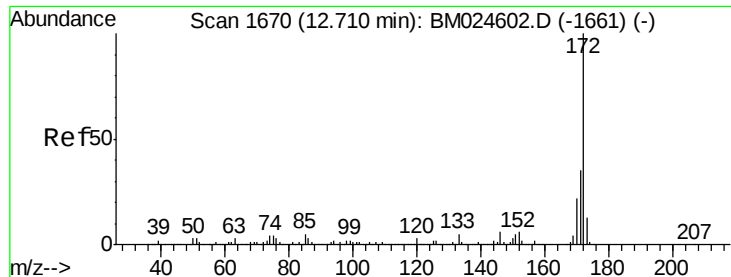
mohammad
1/30/2020 10:18:58 AM



#42
2,4,6-Tribromophenol
Concen: 68.938 ng
RT: 15.59 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.2	115.8	
141	28.2	26.9	40.3	





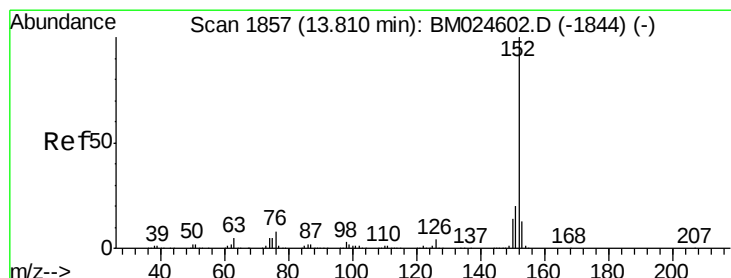
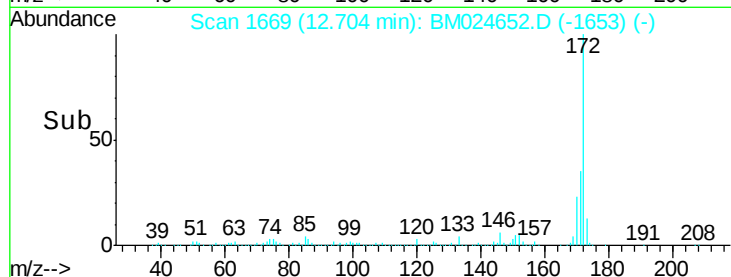
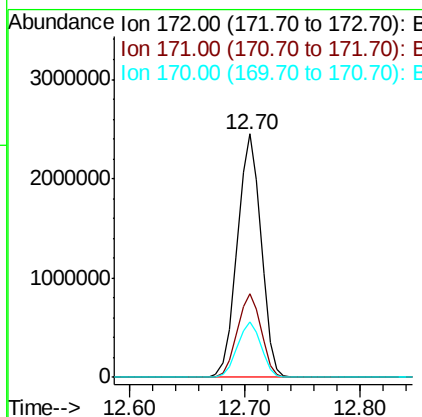
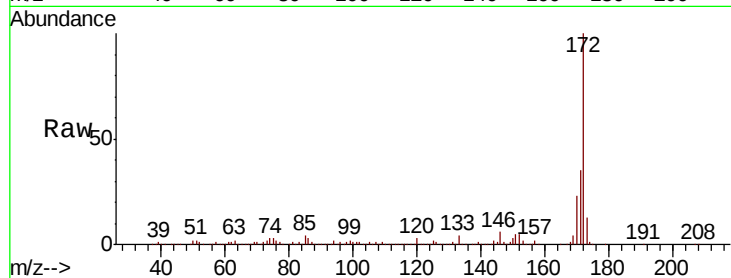
#45
2-Fluorobiphenyl
Concen: 54.877 ng
RT: 12.70 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	22.9	17.9	26.9

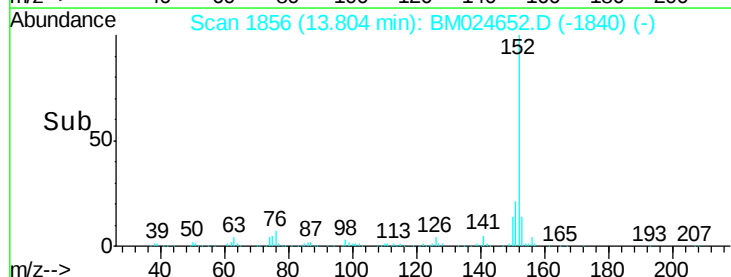
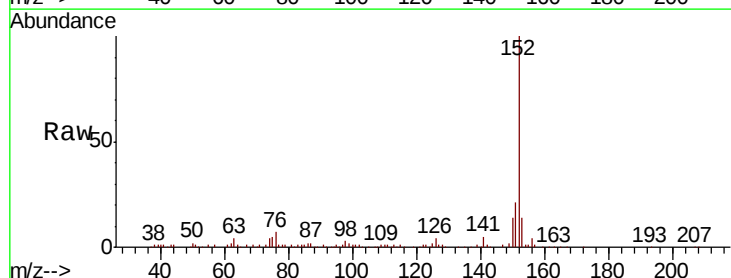
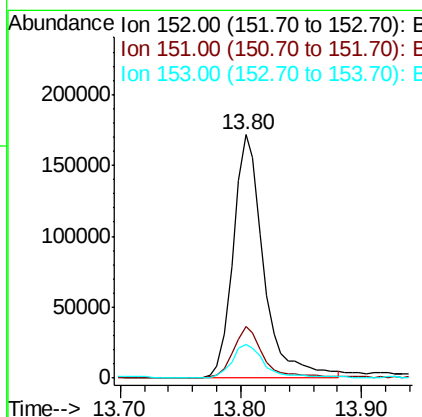
Manual Integrations
APPROVED

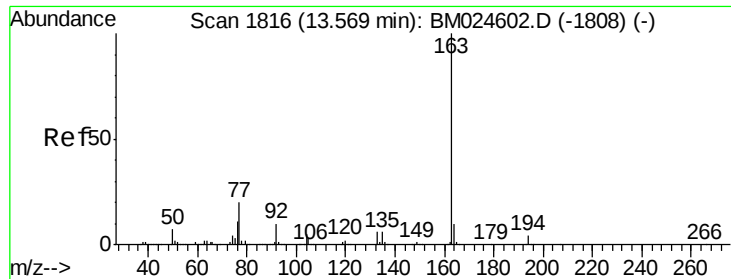
mohammad
1/30/2020 10:18:58 AM



#49
Acenaphthylene
Concen: 3.809 ng
RT: 13.80 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.8	23.6
153	14.1	10.4	15.6





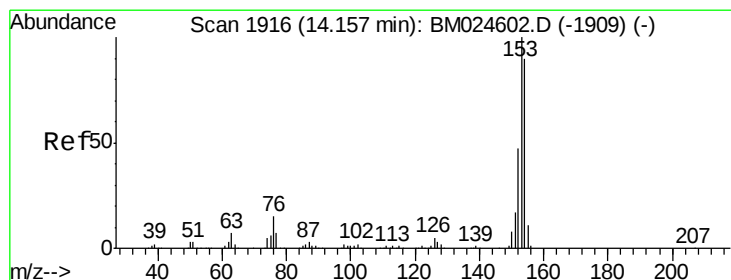
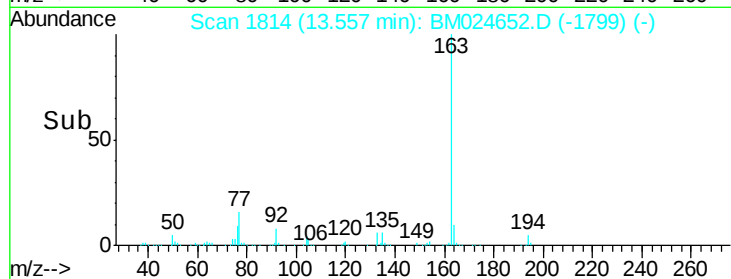
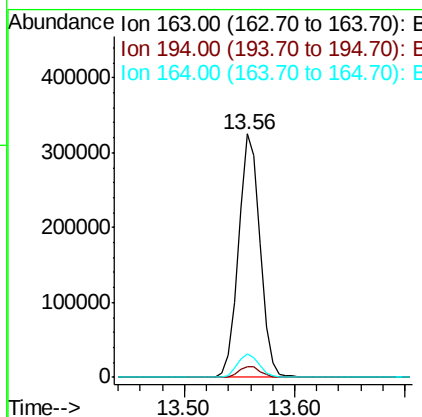
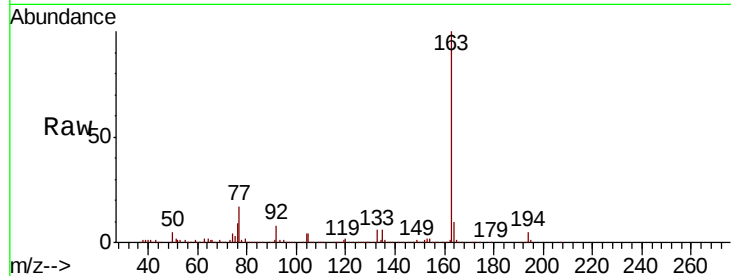
#50
Dimethylphthalate
Concen: 6.382 ng
RT: 13.56 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	9.8	8.0	12.0

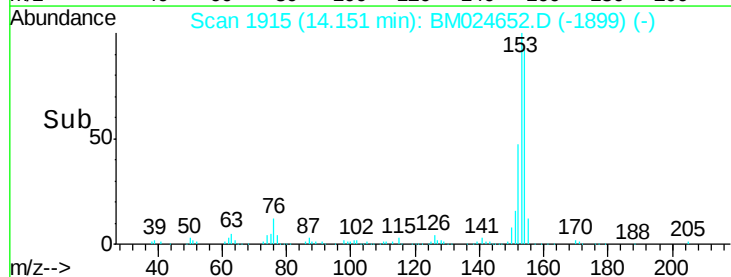
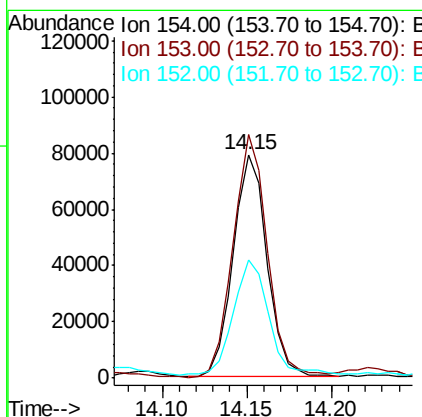
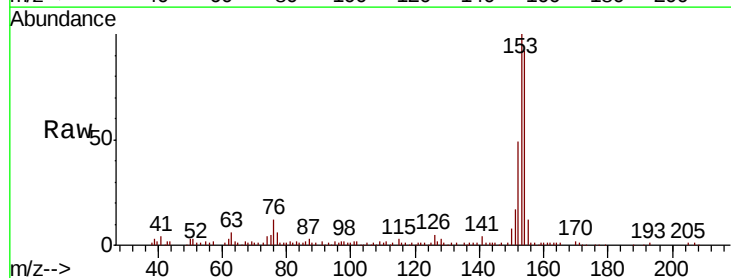
Manual Integrations
APPROVED

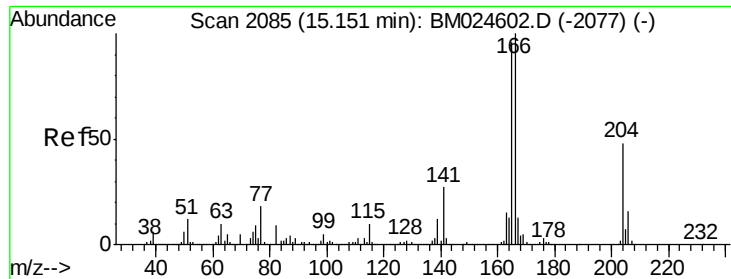
mohammad
1/30/2020 10:18:58 AM



#52
Acenaphthene
Concen: 2.256 ng
RT: 14.15 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.1	133.7
152	53.1	41.9	62.9





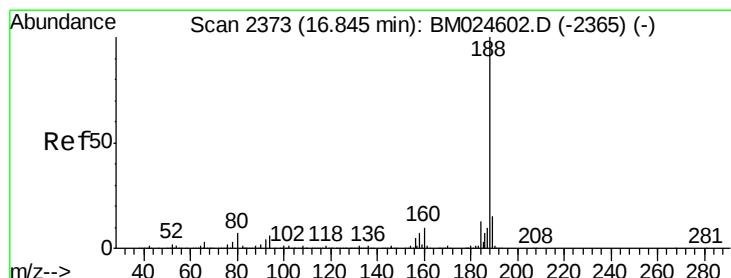
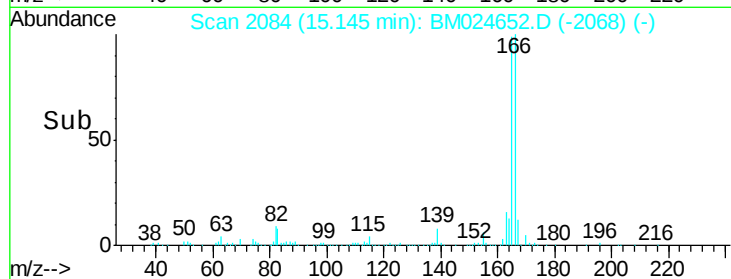
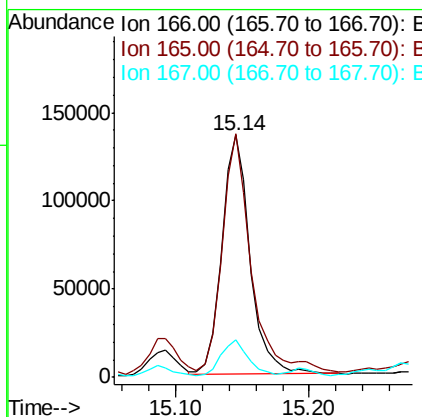
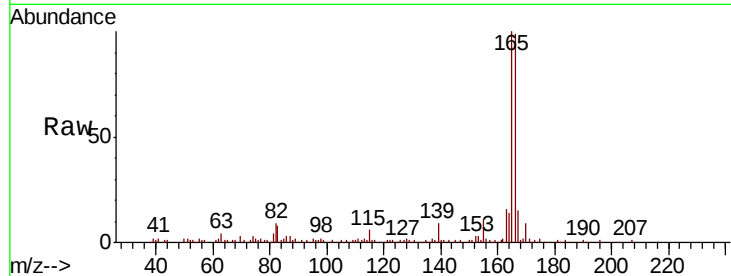
#58
 Fluorene
 Concen: 2.997 ng
 RT: 15.14 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BM024652.D
 Acq: 29 Jan 2020 16:17

Instrument :
 BNA_M
 ClientSampleId :
 BORING-B1-SAMPLE-S1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		201815		
165	100.6	76.6	114.8		
167	15.3	10.8	16.2		

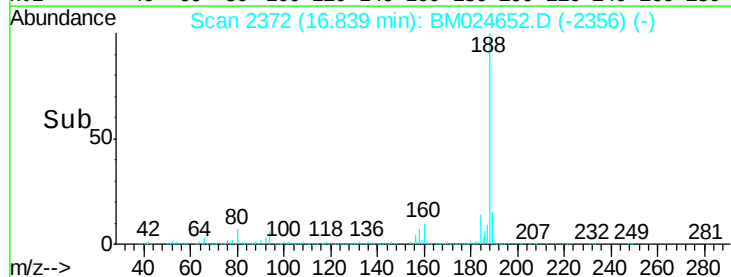
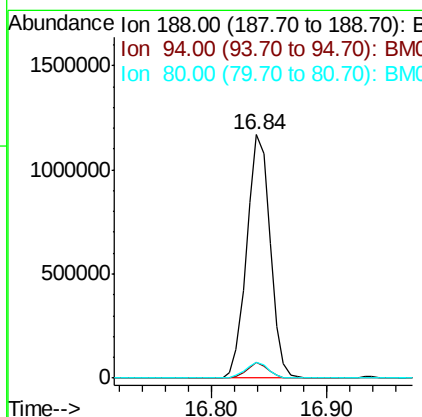
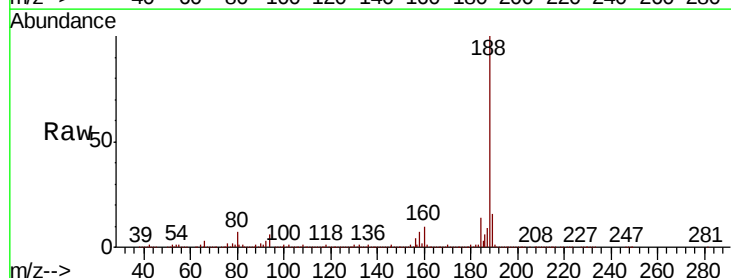
Manual Integrations
 APPROVED

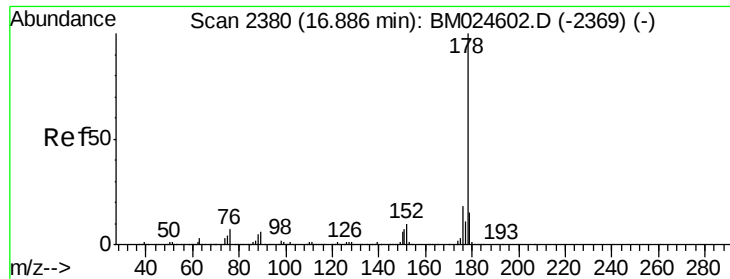
mohammad
 1/30/2020 10:18:58 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.84 min Scan# 2372
 Delta R.T. -0.01 min
 Lab File: BM024652.D
 Acq: 29 Jan 2020 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1655423		
94	6.3	5.0	7.6		
80	6.6	5.8	8.8		





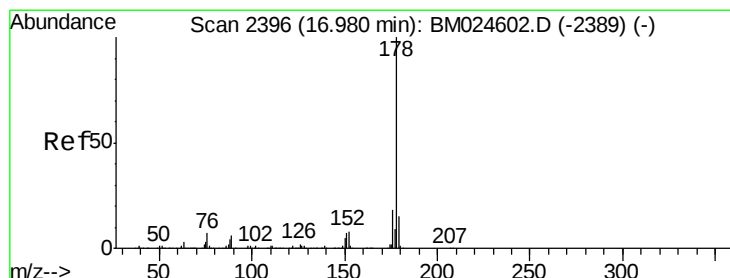
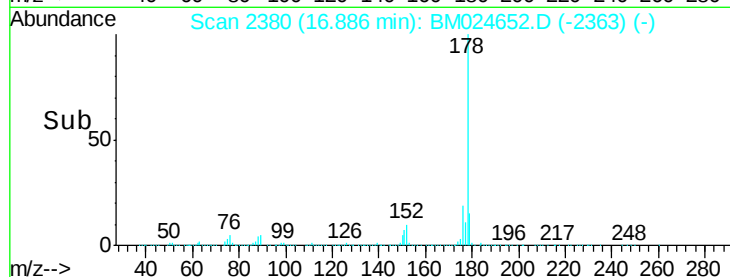
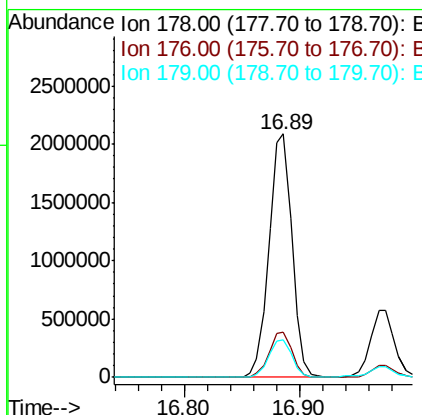
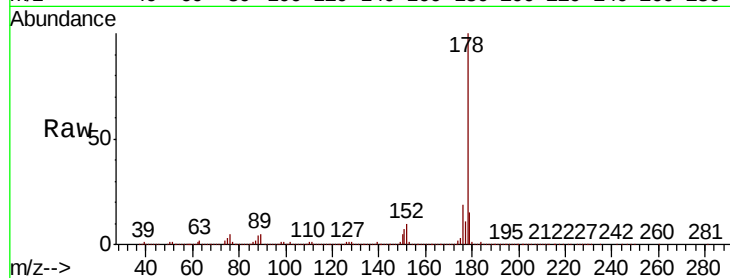
#71
Phenanthrene
Concen: 32.384 ng
RT: 16.89 min Scan# 2380
Delta R.T. 0.00 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion:178 Resp: 2903067
Ion Ratio Lower Upper
178 100
176 18.6 14.5 21.7
179 15.2 11.9 17.9

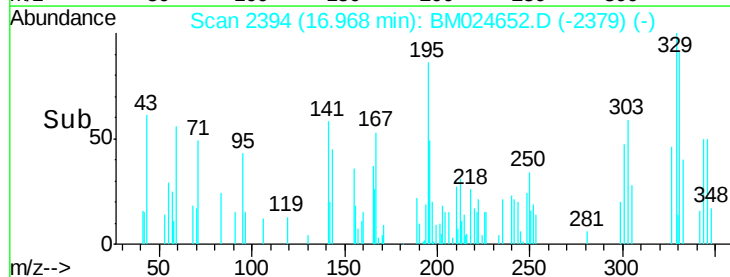
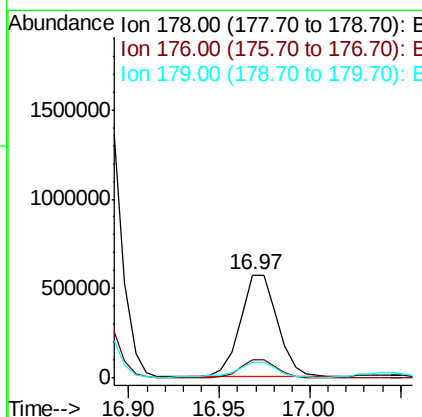
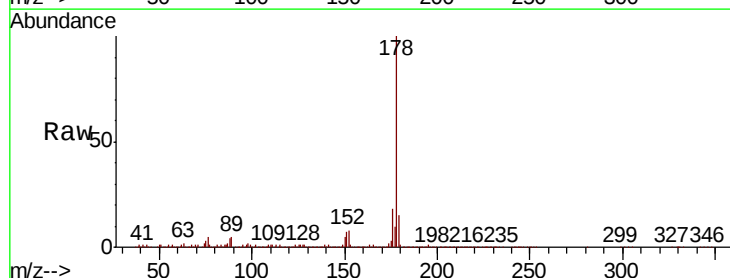
Manual Integrations
APPROVED

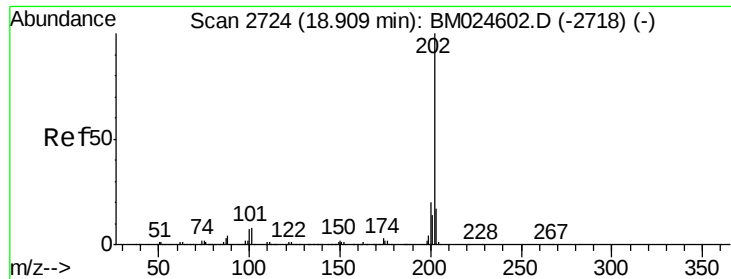
mohammad
1/30/2020 10:18:58 AM



#72
Anthracene
Concen: 9.283 ng
RT: 16.97 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:178 Resp: 814276
Ion Ratio Lower Upper
178 100
176 17.7 14.3 21.5
179 15.1 12.1 18.1





#75

Fluoranthene

Concen: 44.931 ng

RT: 18.91 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

BORING-B1-SAMPLE-S1

Tot Ion:202 Resp: 5027056

Ion Ratio Lower Upper

202 100

101 7.2 0.0 28.4

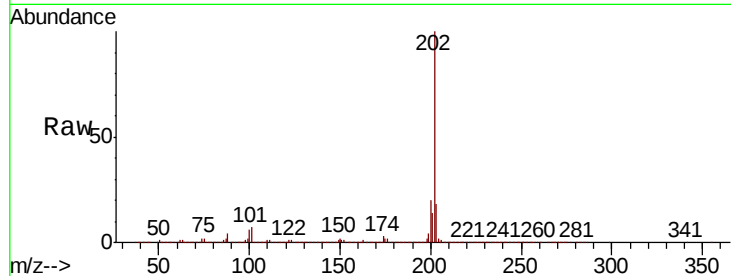
203 17.8 0.0 37.5

Manual Integrations

APPROVED

mohammad

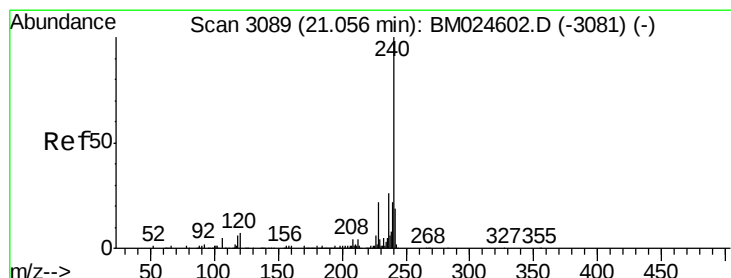
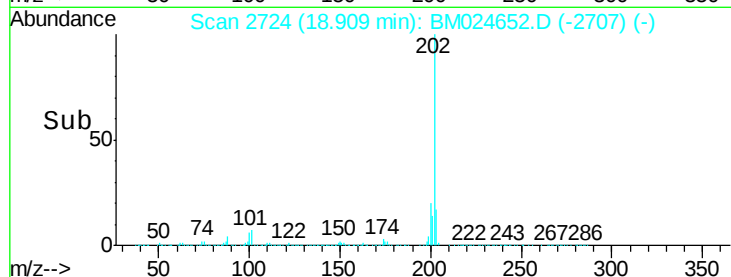
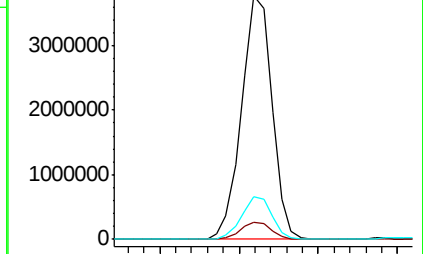
1/30/2020 10:18:58 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

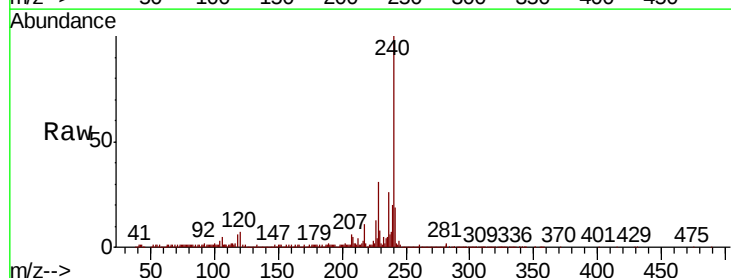
Tgt Ion:240 Resp: 1360921

Ion Ratio Lower Upper

240 100

120 6.6 5.3 7.9

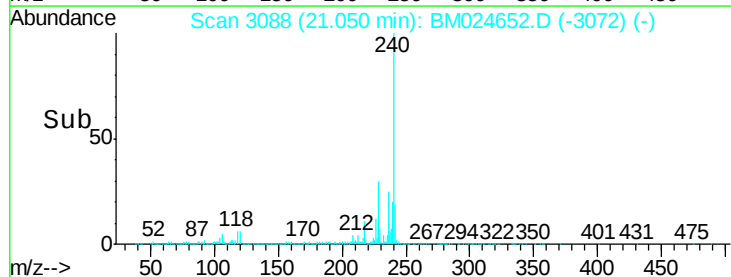
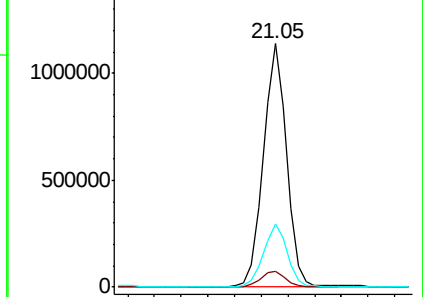
236 25.7 20.6 31.0

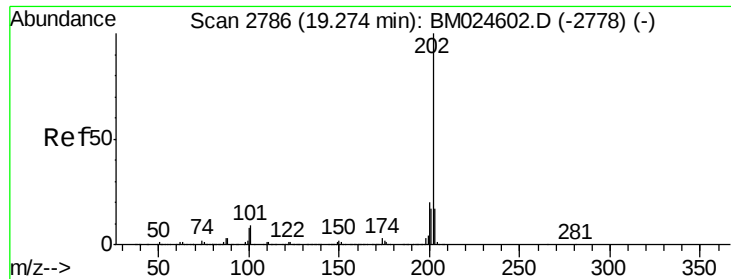


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





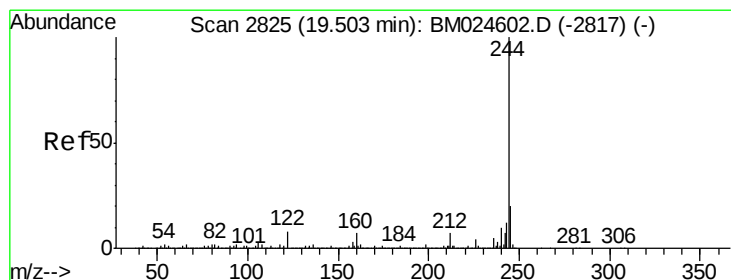
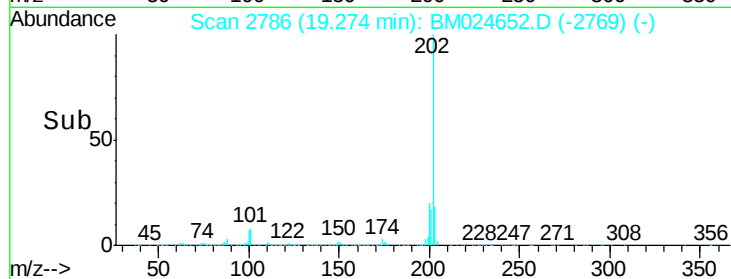
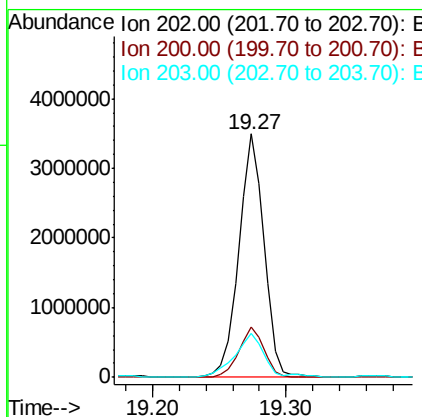
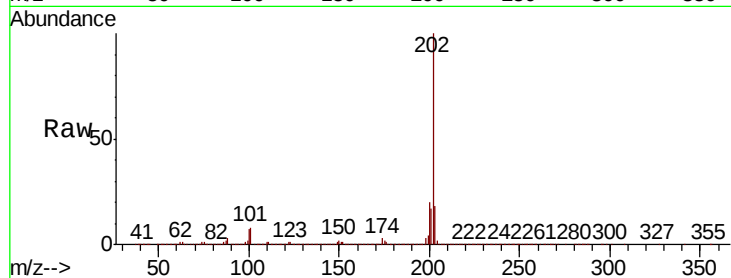
#78
Pvrene
Concen: 50.661 ng
RT: 19.27 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion:202 Resp: 4545188
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.2
203 18.1 14.0 21.0

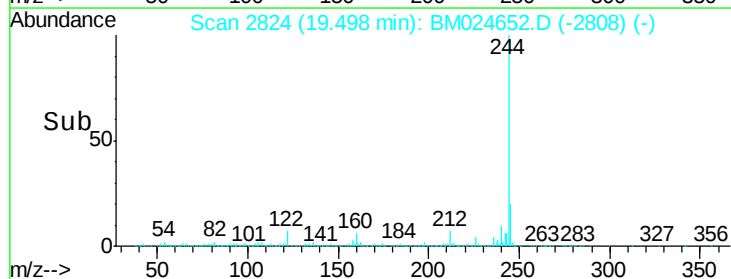
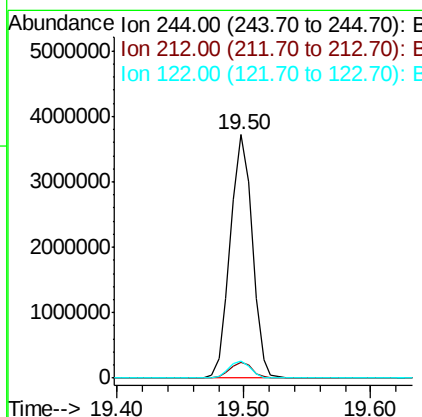
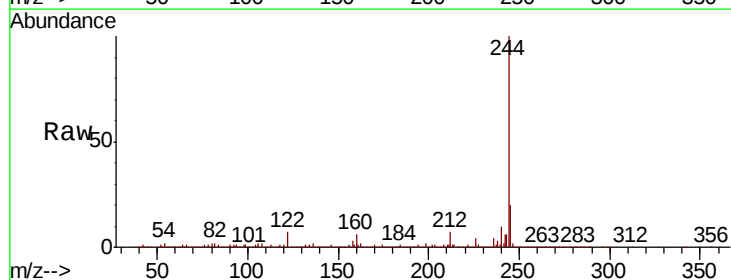
Manual Integrations
APPROVED

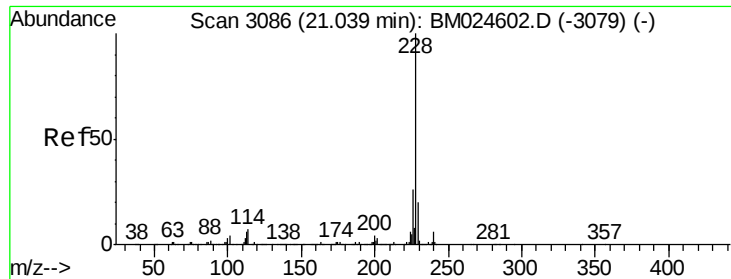
mohammad
1/30/2020 10:18:58 AM



#79
Terphenyl-d14
Concen: 61.210 ng
RT: 19.50 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion:244 Resp: 4462048
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 7.0 6.2 9.4





#81

Benzo(a)anthracene

Concen: 22.925 ng

RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

BORING-B1-SAMPLE-S1

Tot Ion:228 Resp: 2165432

Ion Ratio Lower Upper

228 100

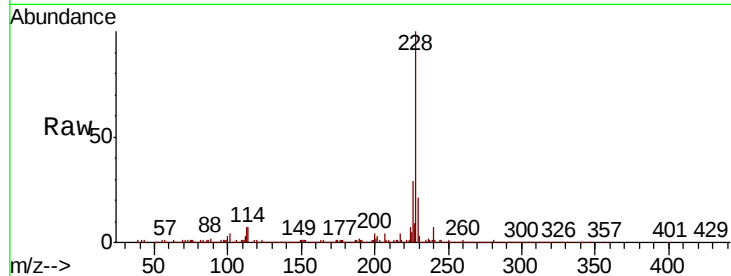
226 29.2 21.1 31.7

229 20.8 15.8 23.6

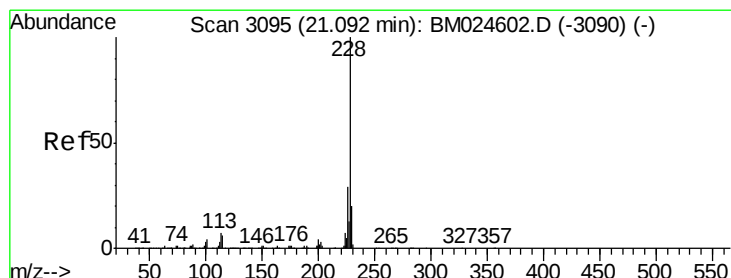
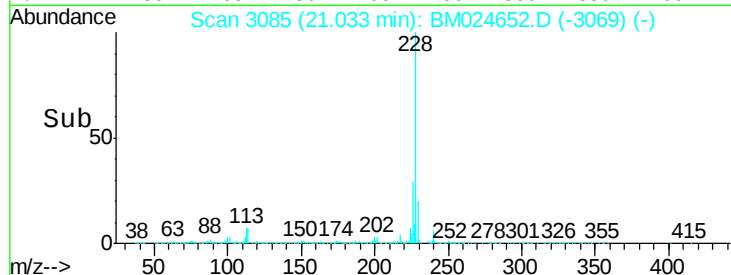
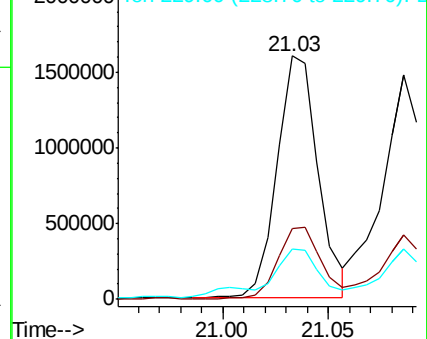
Manual Integrations
APPROVED

mohammad

1/30/2020 10:18:58 AM



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: 22.187 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

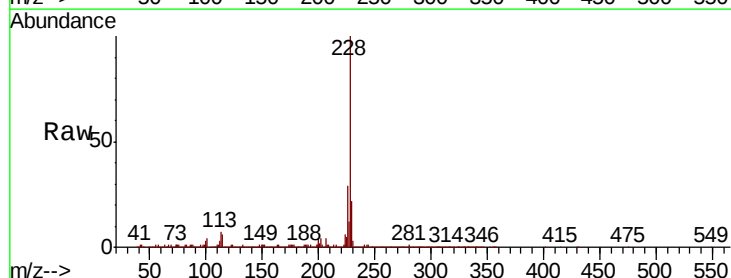
Tgt Ion:228 Resp: 1999759

Ion Ratio Lower Upper

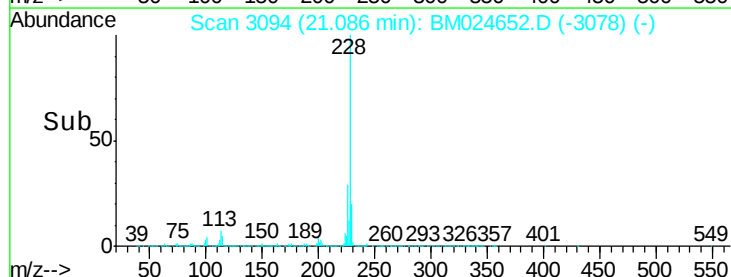
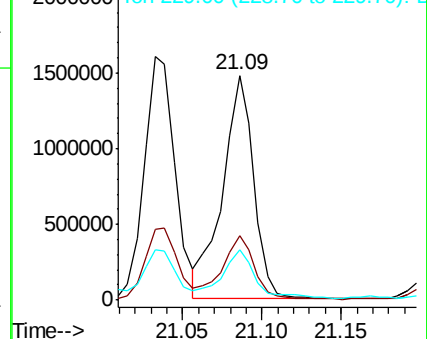
228 100

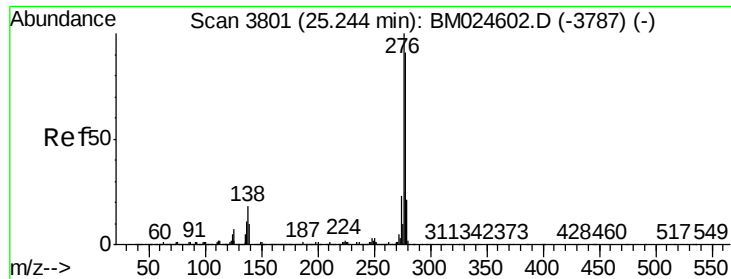
226 28.8 23.2 34.8

229 22.2 15.7 23.5



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





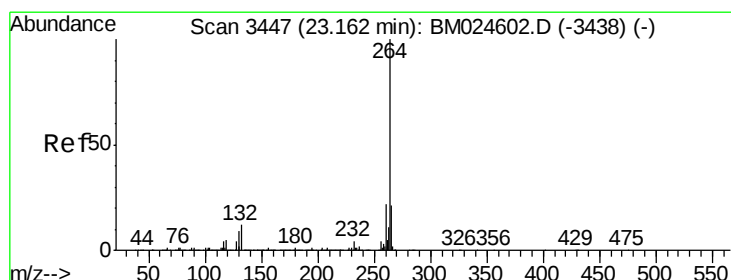
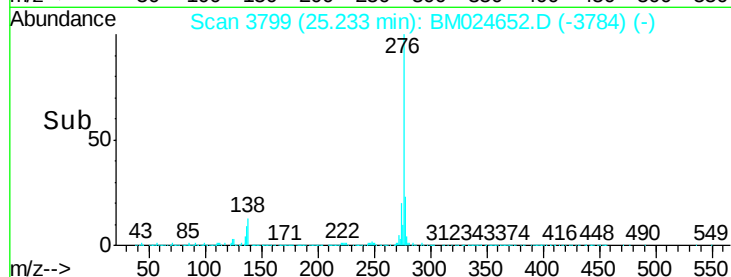
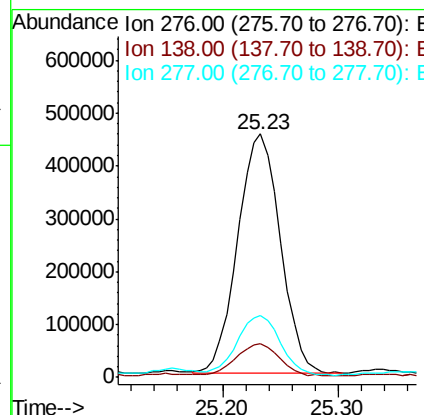
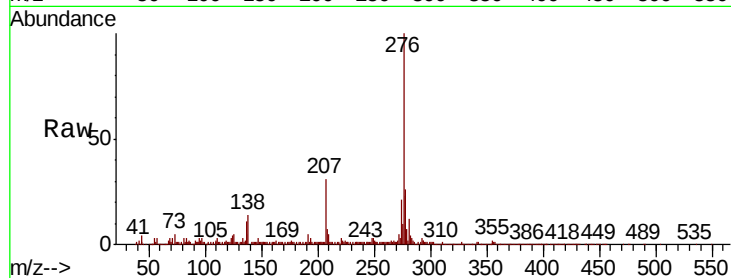
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.836 ng
RT: 25.23 min Scan# 3799
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.7	13.4	20.0
277	25.5	19.6	29.4

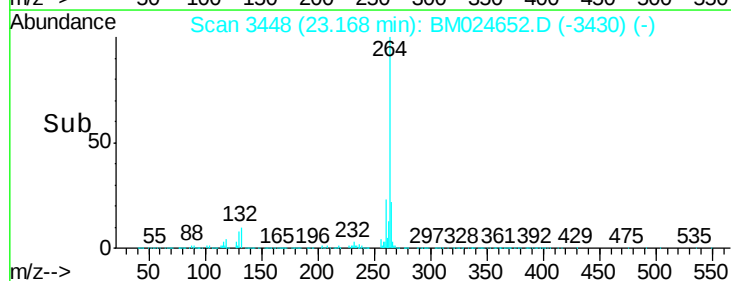
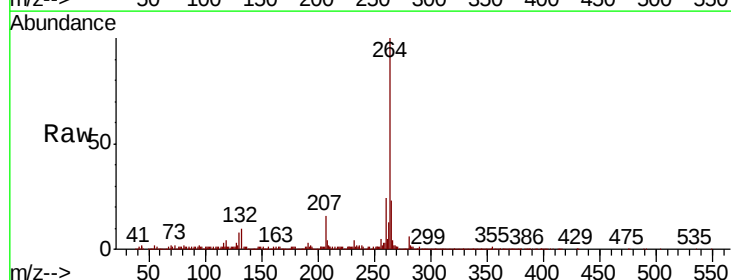
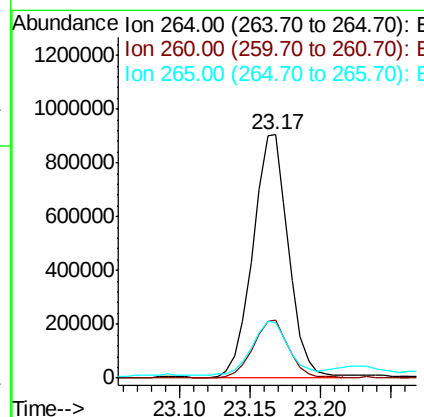
Manual Integrations
APPROVED

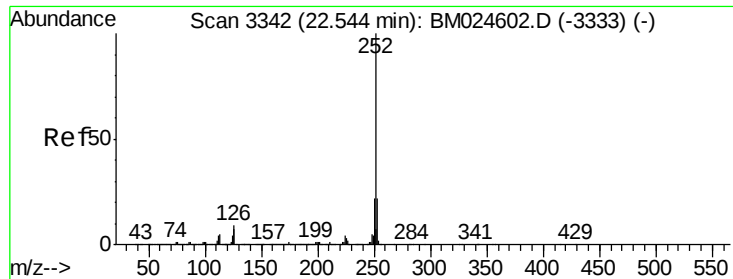
mohammad
1/30/2020 10:18:58 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.17 min Scan# 3448
Delta R.T. 0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.9	26.9
265	22.6	17.3	25.9





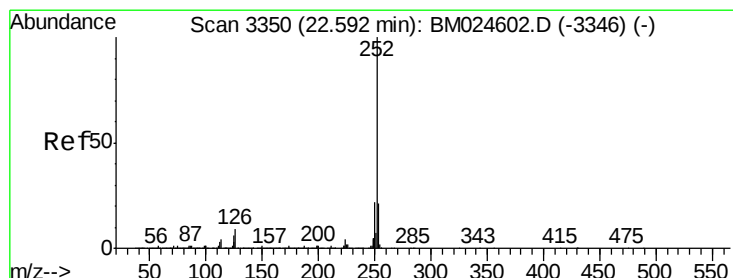
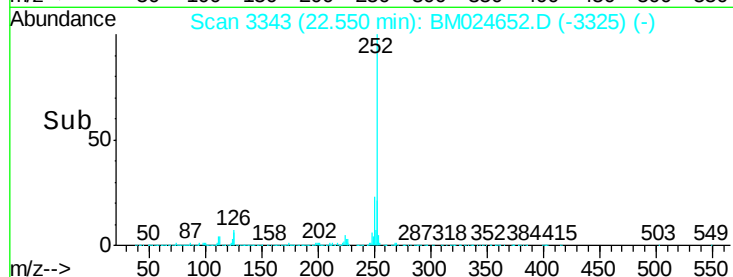
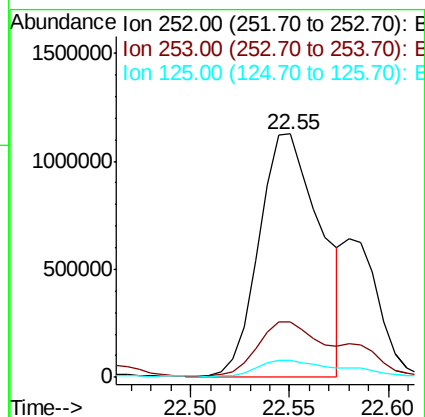
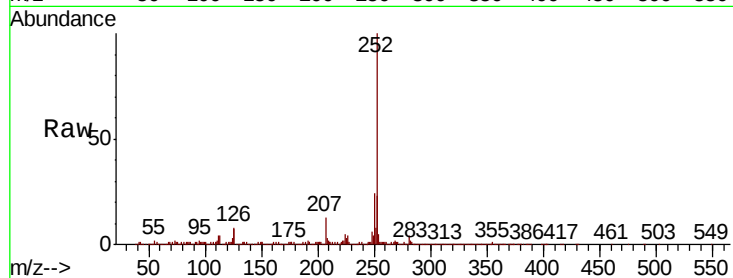
#88
Benzo(b)fluoranthene
Concen: 23.937 ng m
RT: 22.55 min Scan# 3343
Delta R.T. 0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Instrument :
BNA_M
ClientSampleId :
BORING-B1-SAMPLE-S1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	6.9	5.7	8.5

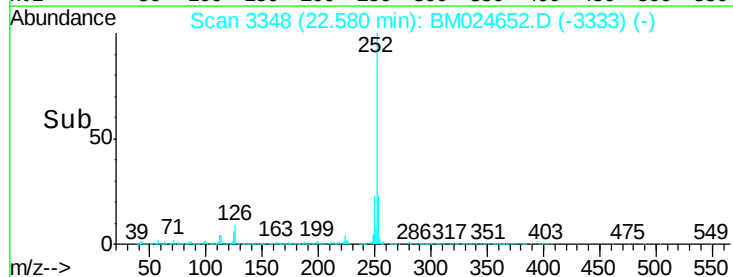
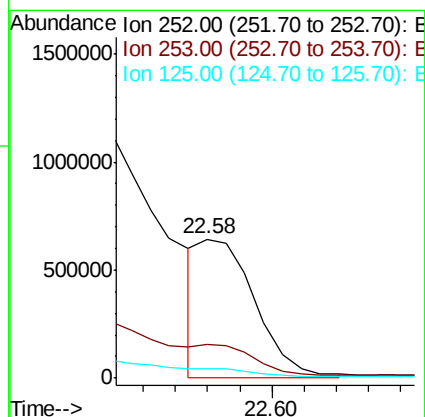
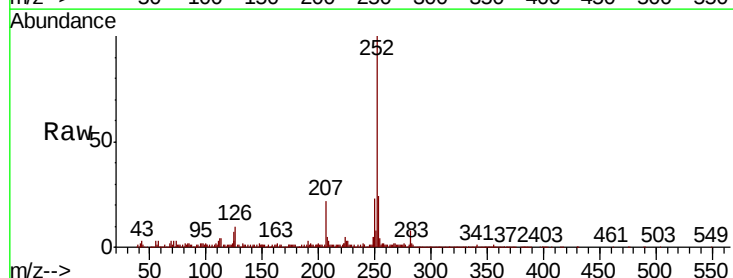
Manual Integrations
APPROVED

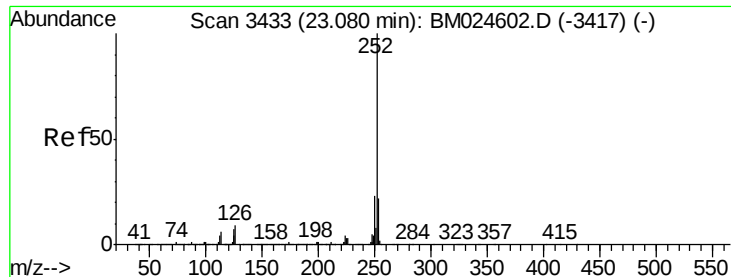
mohammad
1/30/2020 10:18:58 AM



#89
Benzo(k)fluoranthene
Concen: 7.694 ng m
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM024652.D
Acq: 29 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.3	25.9
125	7.1	5.2	7.8





#90

Benzo(a)pyrene

Concen: 19.569 ng

RT: 23.07 min Scan# 3432

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

BORING-B1-SAMPLE-S1

Tot Ion:252 Resp: 1840045

Ion Ratio Lower Upper

252 100

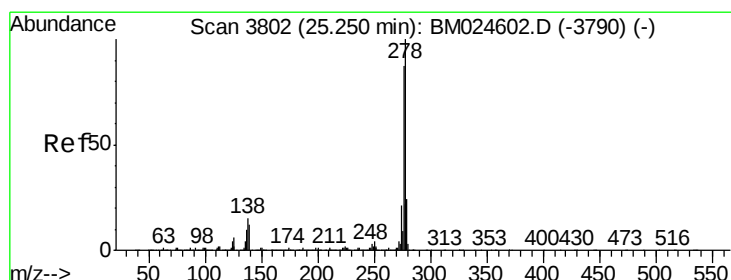
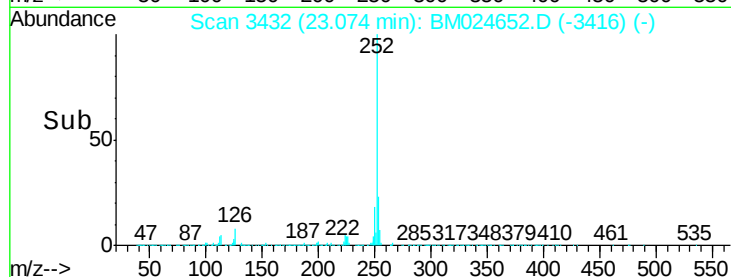
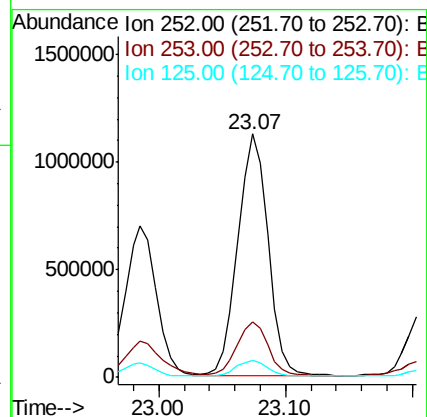
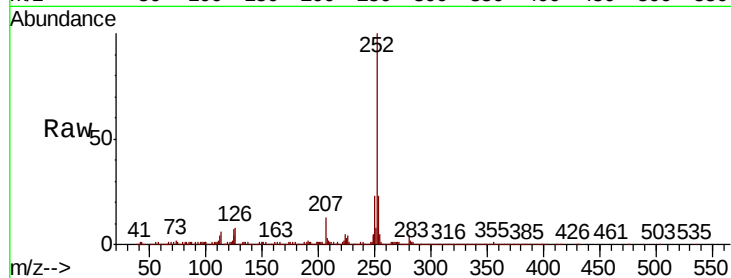
253 22.8 17.3 25.9

125 6.9 5.8 8.8

Manual Integrations
APPROVED

mohammad

1/30/2020 10:18:58 AM



#91

Dibenzo(a,h)anthracene

Concen: 3.359 ng

RT: 25.24 min Scan# 3800

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

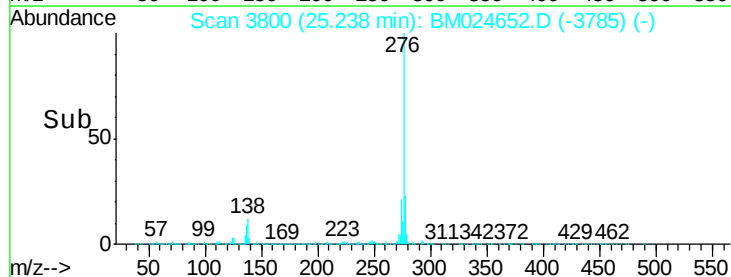
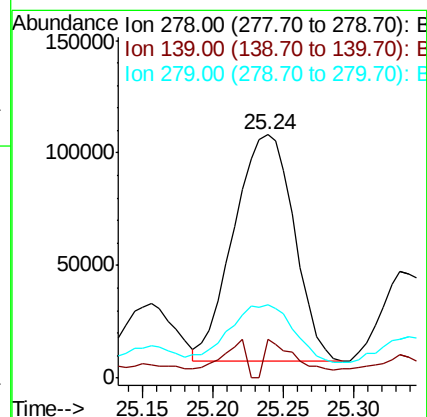
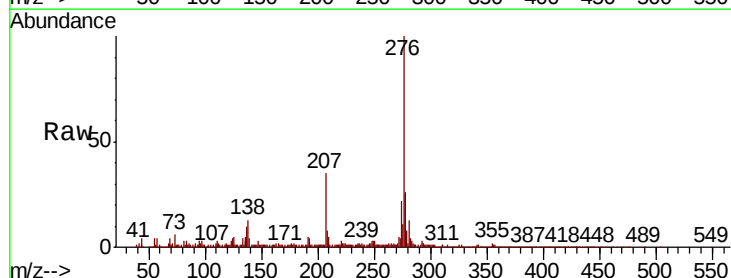
Tgt Ion:278 Resp: 299795

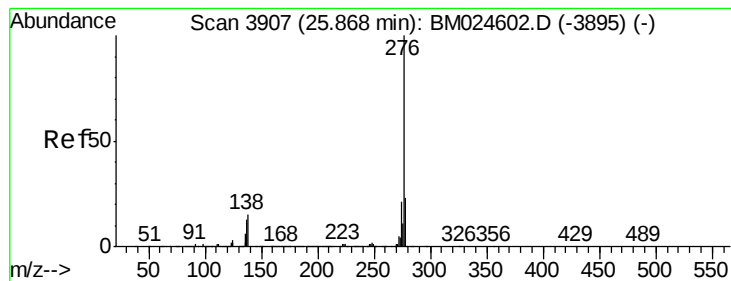
Ion Ratio Lower Upper

278 100

139 15.8 9.3 13.9#

279 30.0 18.9 28.3#





#92

Benzo(a,h,i)perylene

Concen: 14.200 ng

RT: 25.86 min Scan# 3906

Delta R.T. -0.01 min

Lab File: BM024652.D

Acq: 29 Jan 2020 16:17

Instrument :

BNA_M

ClientSampleId :

BORING-B1-SAMPLE-S1

Tot Ion: 276 Resp: 1150697

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 13.6 11.9 17.9

Manual Integrations

APPROVED

mohammad

1/30/2020 10:18:58 AM

