

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060920\
 Data File : BM026303.D
 Acq On : 09 Jun 2020 14:40
 Operator : JU/CG
 Sample : L2939-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 2020-06-02-FD02

Manual Integrations
 APPROVED

mohammad
 6/10/2020 11:51:22 AM

Quant Time: Jun 09 15:25:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 14:46:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	153323	20.00	ng	0.00
21) Naphthalene-d8	10.19	136	612362	20.00	ng	0.00
39) Acenaphthene-d10	14.08	164	364654	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	747562	20.00	ng	0.00
76) Chrysene-d12	21.04	240	744520	20.00	ng	0.00
86) Perylene-d12	23.15	264	804975	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	1025771	118.29	ng	0.00
7) Phenol-d6	6.64	99	1417829	112.91	ng	0.00
23) Nitrobenzene-d5	8.57	82	952941	76.41	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	522687	118.33	ng	0.00
45) 2-Fluorobiphenyl	12.69	172	1904864	79.29	ng	0.00
79) Terphenyl-d14	19.49	244	2890424	75.36	ng	0.00
Target Compounds						
32) Benzoic acid	9.49	122	3233	5.603	ng	Qvalue # 82
50) Dimethylphthalate	13.55	163	150520	5.643	ng	98
71) Phenanthrene	16.87	178	107978	2.774	ng	99
75) Fluoranthene	18.90	202	293960	6.586	ng	99
78) Pyrene	19.27	202	308844	6.278	ng	99
81) Benzo(a)anthracene	21.03	228	164191	3.674	ng	# 86
83) Chrysene	21.08	228	183298	4.304	ng	# 92
87) Indeno(1,2,3-cd)pyrene	25.21	276	130772	2.808	ng	96
88) Benzo(b)fluoranthene	22.53	252	238734m	4.930	ng	
89) Benzo(k)fluoranthene	22.57	252	100486m	2.136	ng	
90) Benzo(a)pyrene	23.06	252	170925	3.974	ng	# 88
92) Benzo(a,h,i)perylene	25.84	276	162153	4.383	ng	97

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

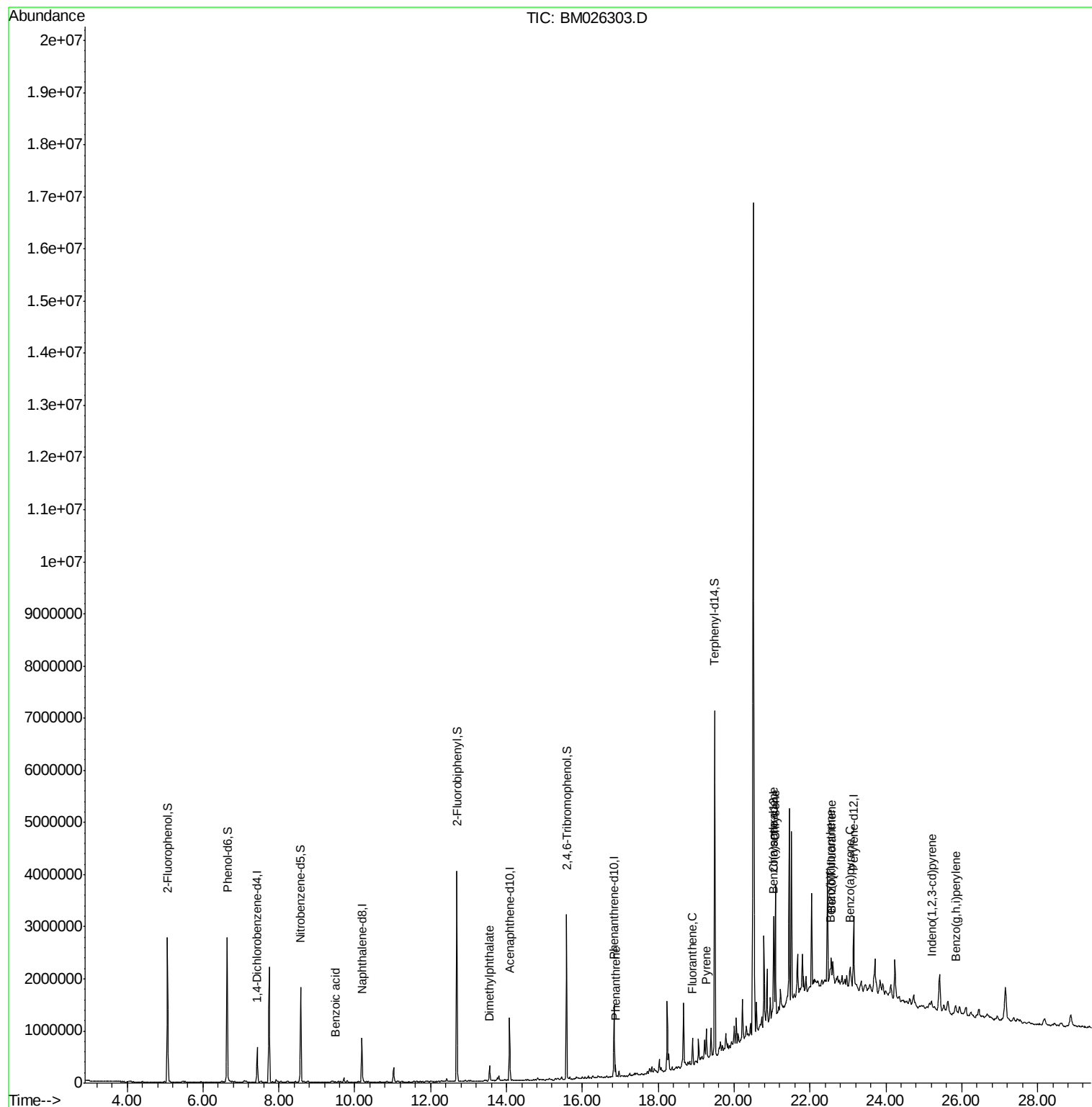
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060920\
Data File : BM026303.D
Acq On : 09 Jun 2020 14:40
Operator : JU/CG
Sample : L2939-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

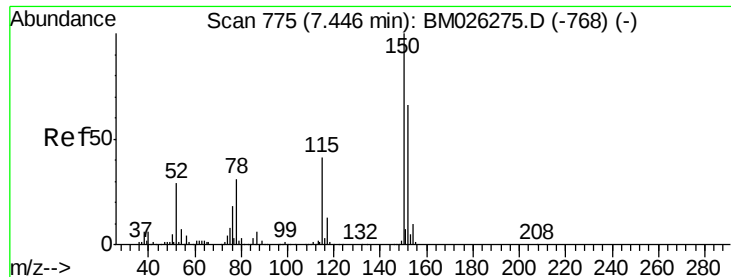
Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Manual Integrations
APPROVED

mohammad
6/10/2020 11:51:22 AM

Quant Time: Jun 09 15:25:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 14:46:47 2020
Response via : Initial Calibration





#1

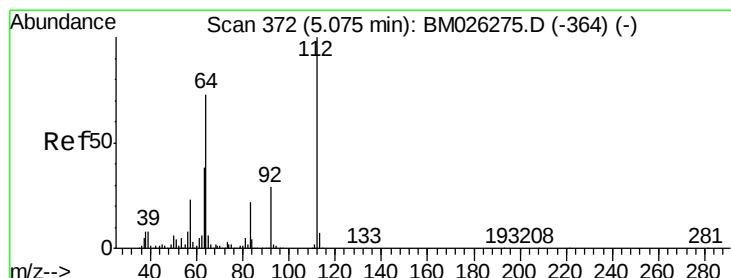
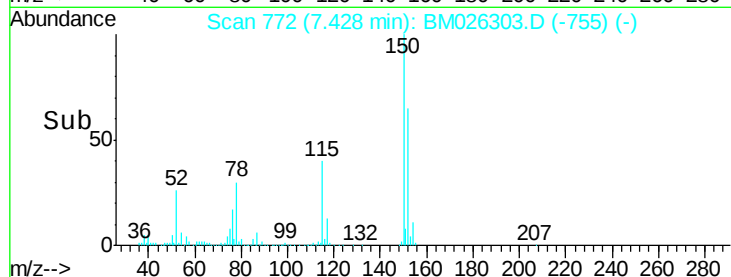
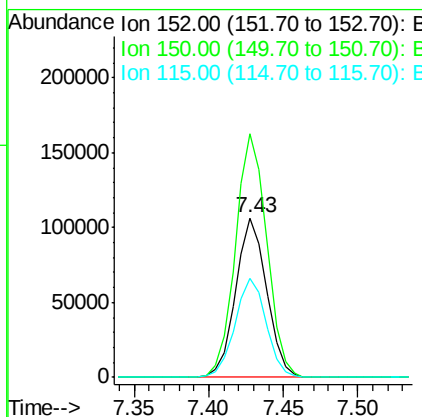
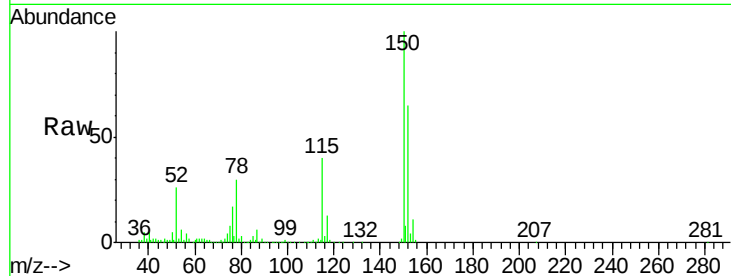
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.43 min Scan# 772
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.1	183.1
115	61.8	49.7	74.5

Manual Integrations
APPROVED

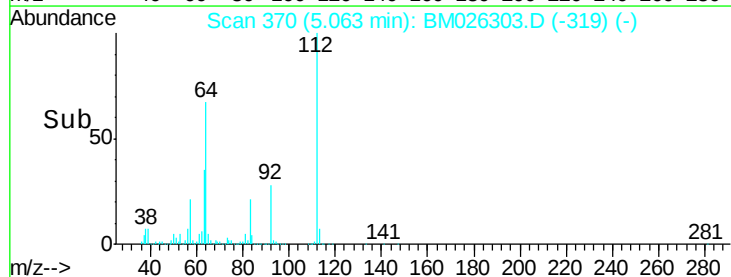
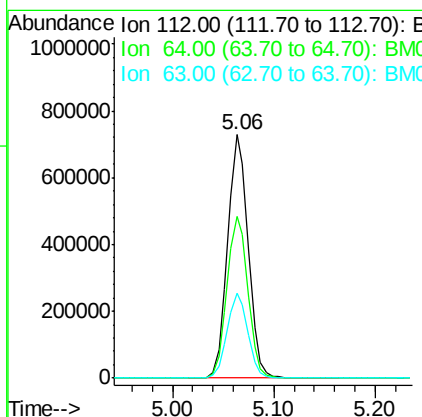
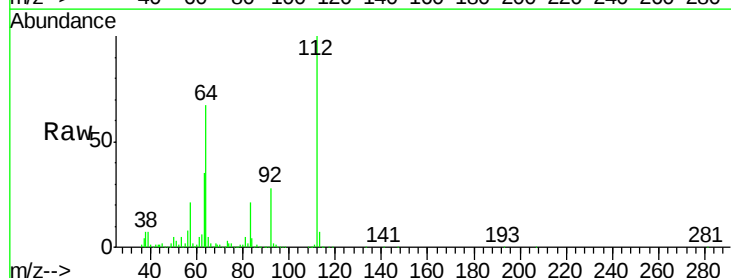
mohammad
6/10/2020 11:51:22 AM

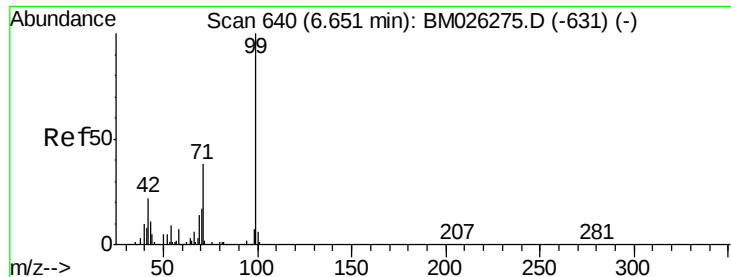


#5

2-Fluorophenol
Concen: 118.286 ng
RT: 5.06 min Scan# 370
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	58.1	87.1
63	34.7	30.6	45.8





#7

Phenol-d6

Concen: 112.908 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.01 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

ClientSampleId :

2020-06-02-FD02

Tot Ion: 99 Resp: 1417829

Ion Ratio Lower Upper

99 100

42 20.4 18.0 27.0

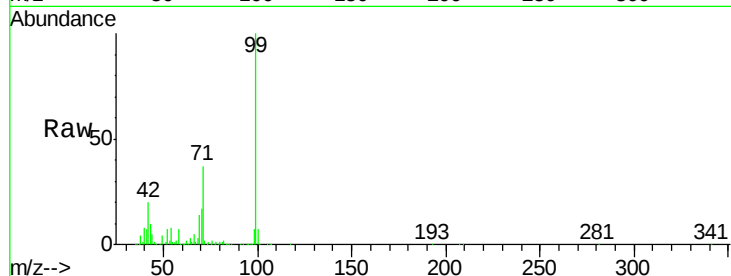
71 36.8 30.6 45.8

Manual Integrations

APPROVED

mohammad

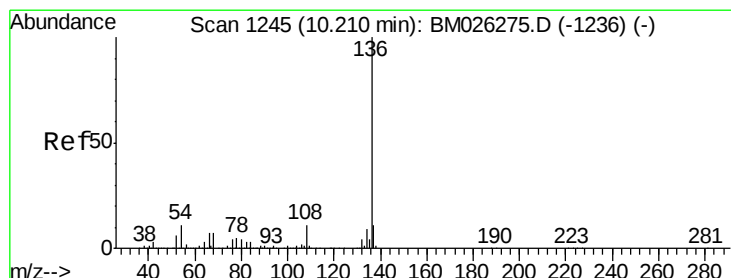
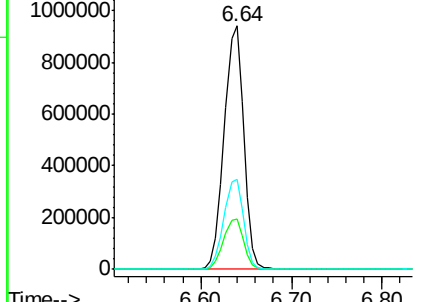
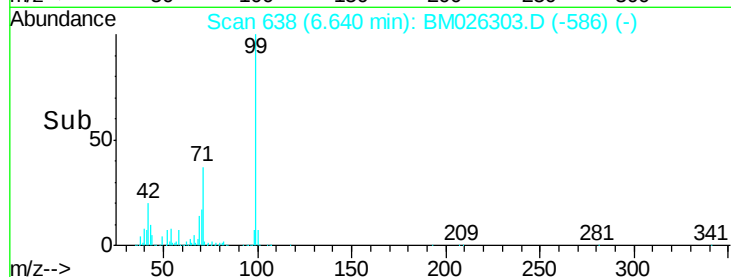
6/10/2020 11:51:22 AM



Abundance Ion 99.00 (98.70 to 99.70): BM026303.D (-586) (-)

Ion 42.00 (41.70 to 42.70): BM026303.D (-586) (-)

Ion 71.00 (70.70 to 71.70): BM026303.D (-586) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.19 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Tgt Ion: 136 Resp: 612362

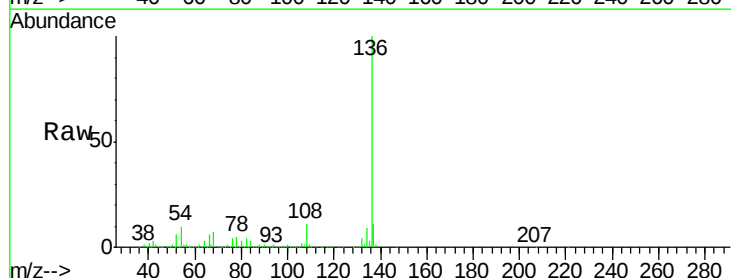
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.4 9.0 13.4

68 6.9 5.6 8.4

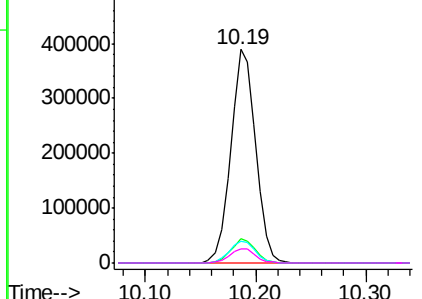
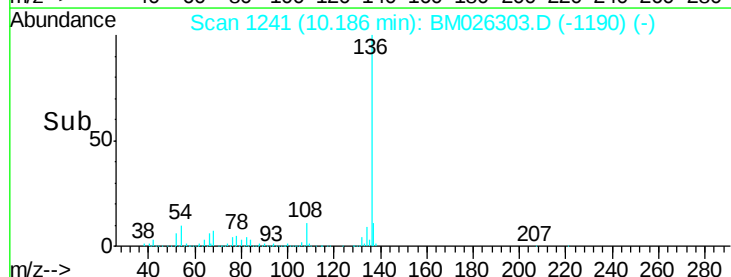


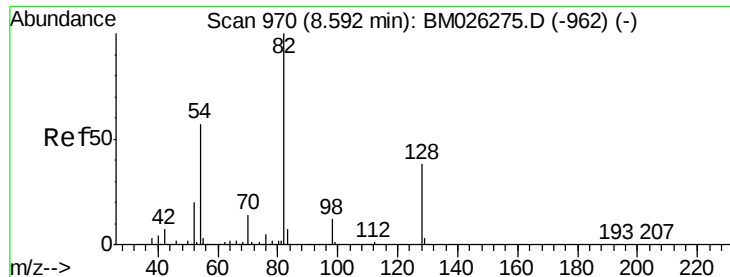
Abundance Ion 136.00 (135.70 to 136.70): BM026303.D (-1190) (-)

Ion 137.00 (136.70 to 137.70): BM026303.D (-1190) (-)

Ion 54.00 (53.70 to 54.70): BM026303.D (-1190) (-)

Ion 68.00 (67.70 to 68.70): BM026303.D (-1190) (-)





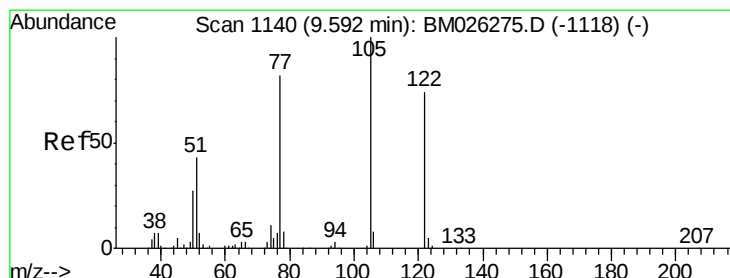
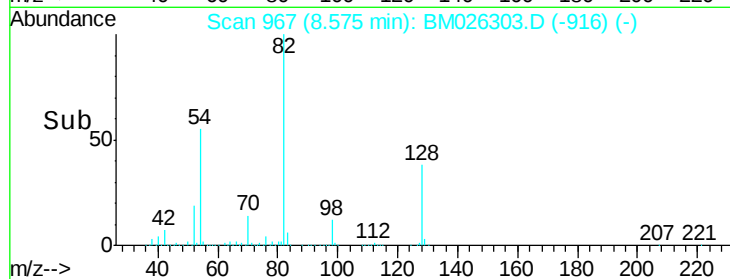
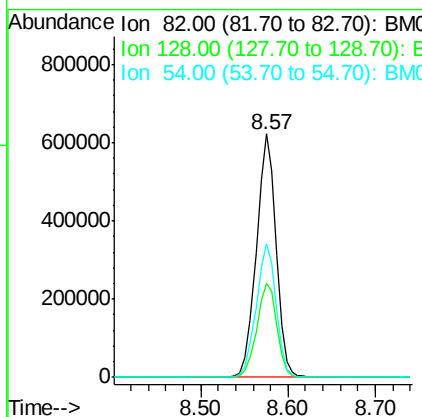
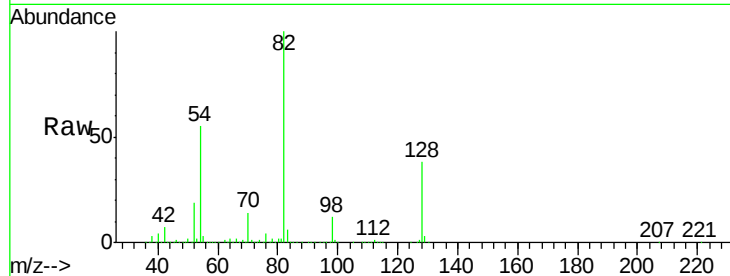
#23
Nitrobenzene-d5
Concen: 76.408 ng
RT: 8.57 min Scan# 967
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.3	45.5
54	54.7	45.4	68.2

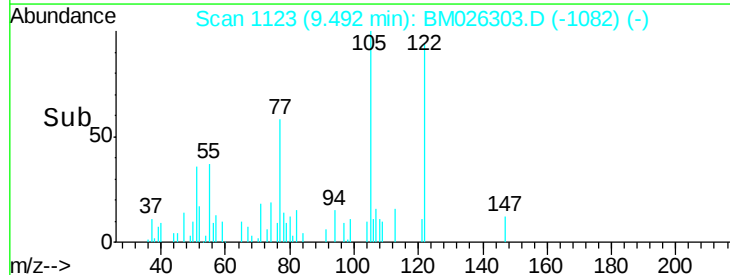
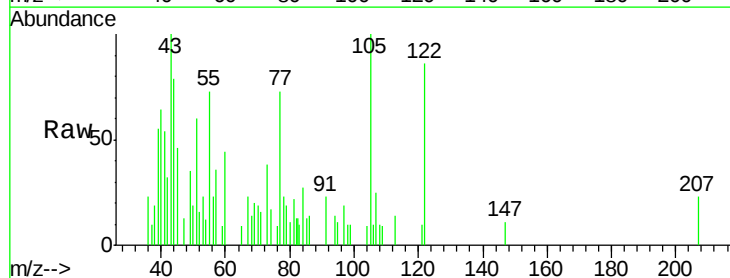
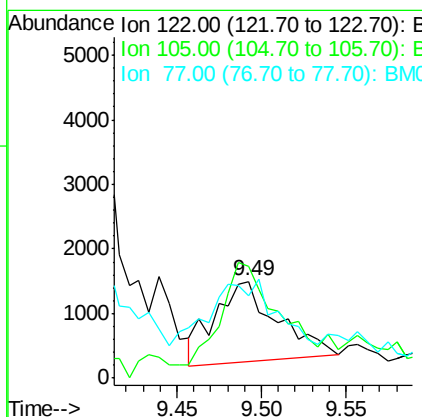
Manual Integrations
APPROVED

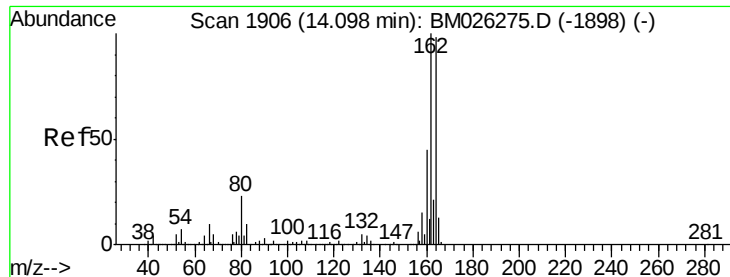
mohammad
6/10/2020 11:51:22 AM



#32
Benzoic acid
Concen: 5.603 ng
RT: 9.49 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.2	112.4	152.4
77	85.3	89.8	129.8





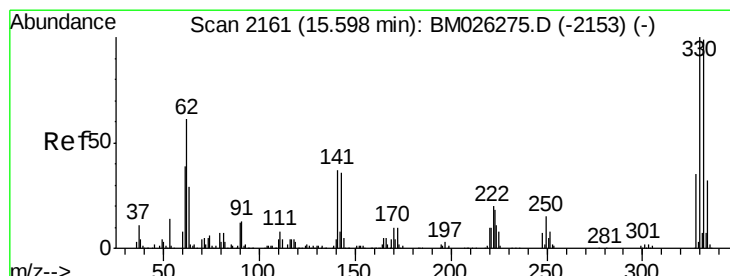
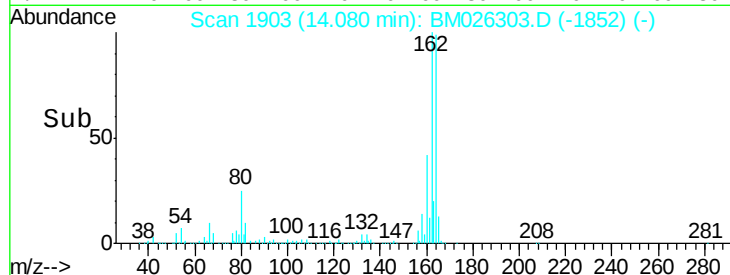
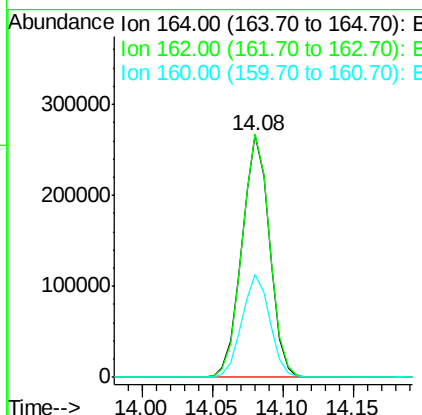
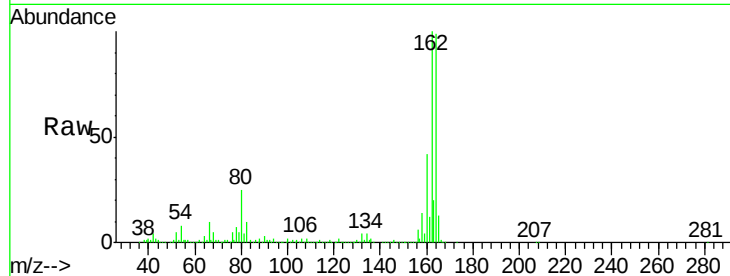
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.08 min Scan# 1903
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.6	81.4	122.2	
160	42.6	36.4	54.6	

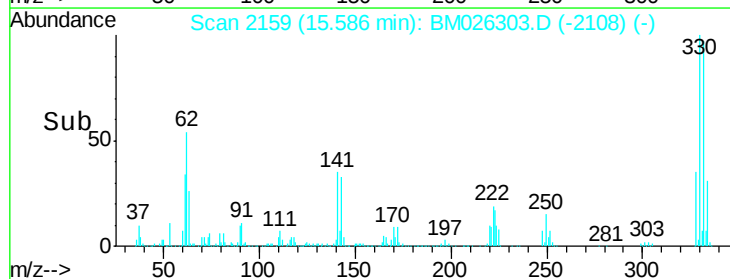
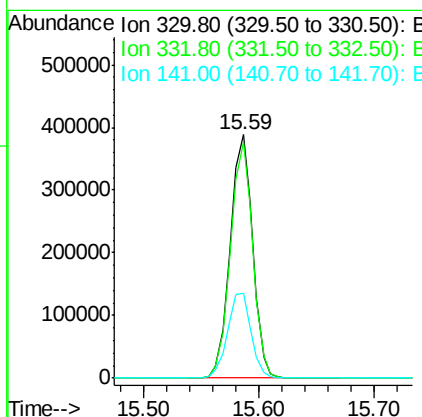
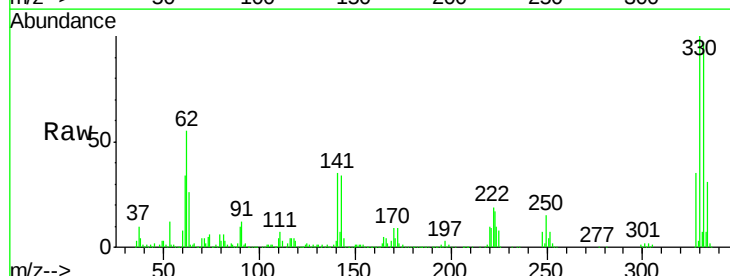
Manual Integrations
APPROVED

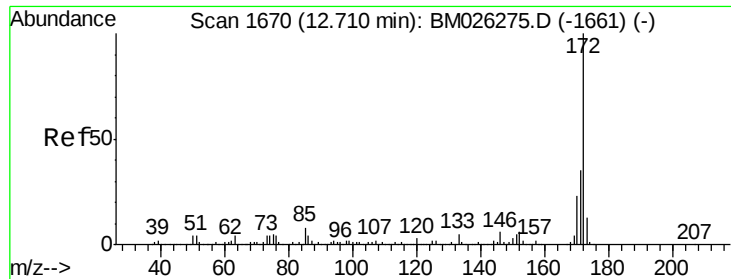
mohammad
6/10/2020 11:51:22 AM



#42
2,4,6-Tribromophenol
Concen: 118.329 ng
RT: 15.59 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	78.1	117.1	
141	36.2	30.0	45.0	





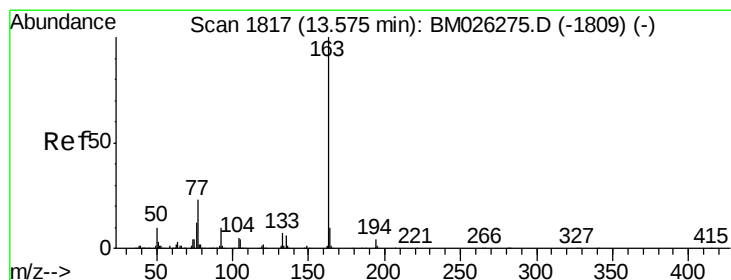
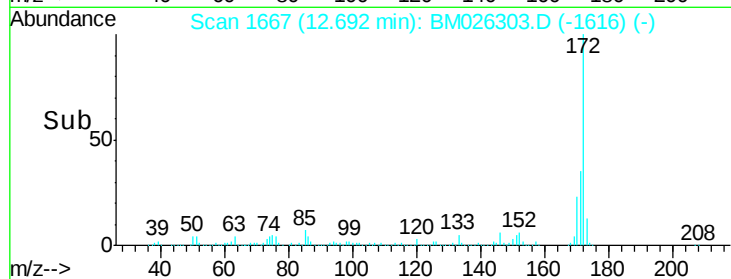
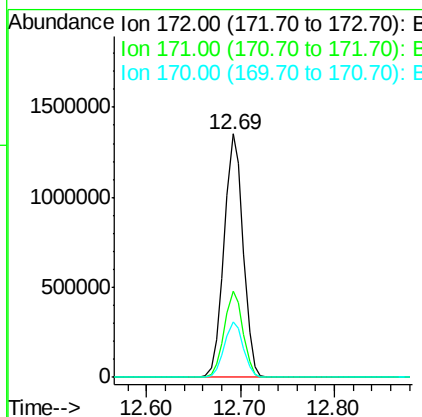
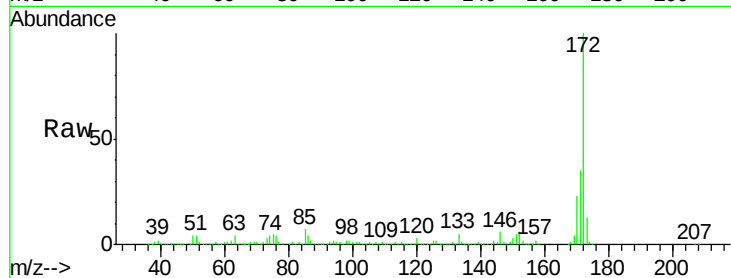
#45
2-Fluorobiphenyl
Concen: 79.295 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	22.8	18.3	27.5

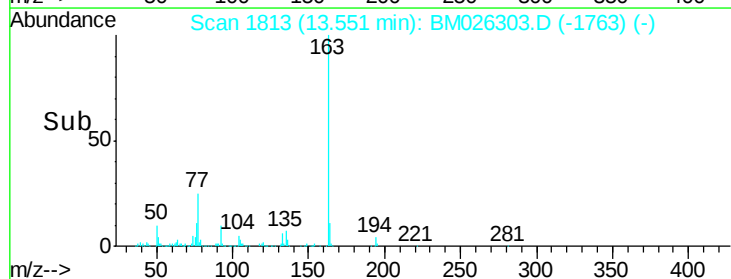
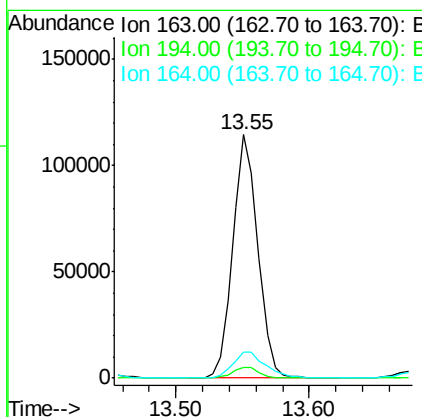
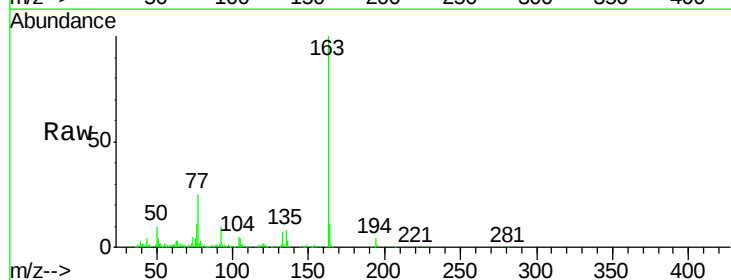
Manual Integrations
APPROVED

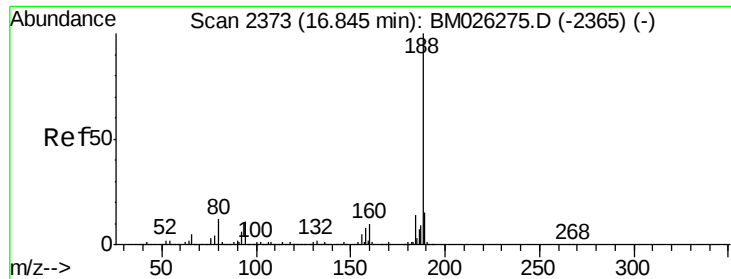
mohammad
6/10/2020 11:51:22 AM



#50
Dimethylphthalate
Concen: 5.643 ng
RT: 13.55 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.8	8.0	12.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2371

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

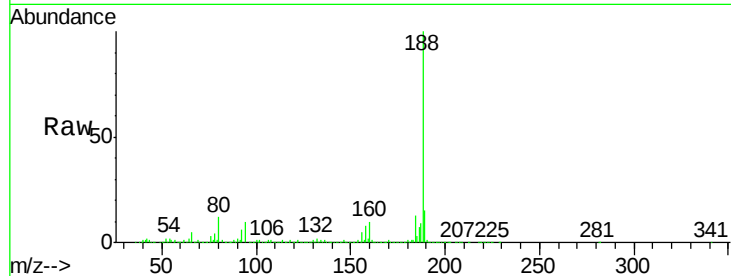
ClientSampleId :

2020-06-02-FD02

Tot Ion:	188	Resp:	747562
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.6	12.8
80	12.4	9.7	14.5

Manual Integrations
APPROVED

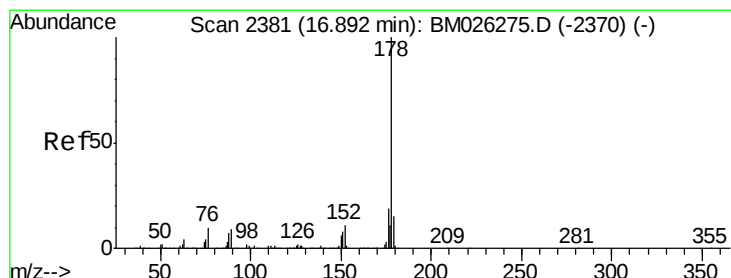
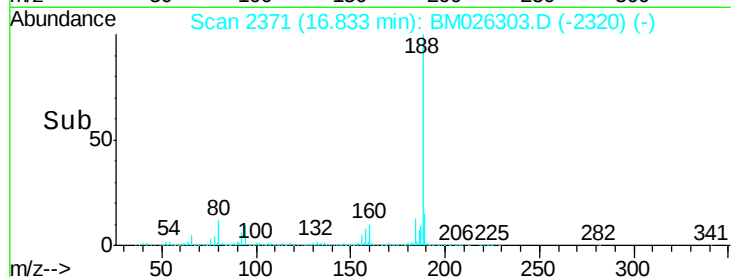
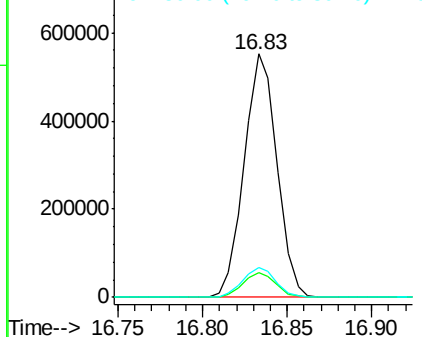
mohammad
6/10/2020 11:51:22 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#71

Phenanthrene

Concen: 2.774 ng

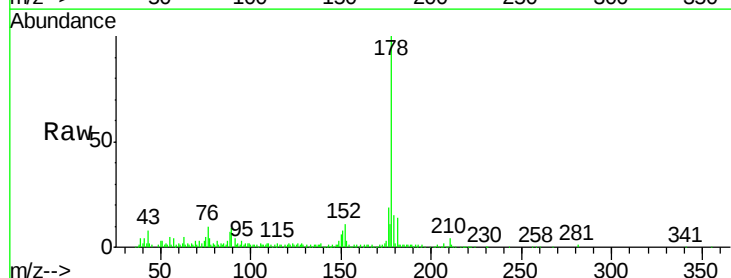
RT: 16.87 min Scan# 2378

Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

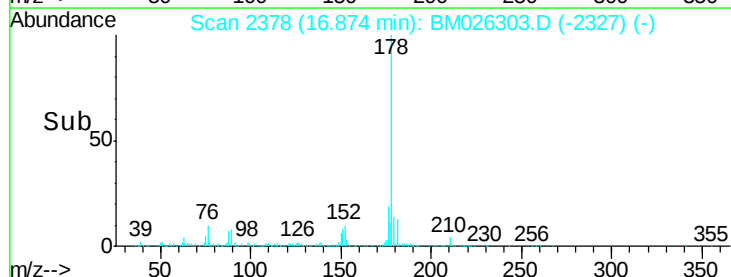
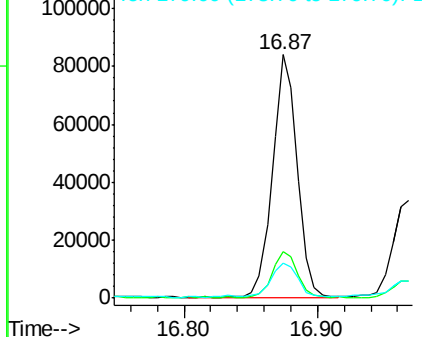
Tgt Ion:	178	Resp:	107978
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.9	22.3
179	14.6	12.0	18.0

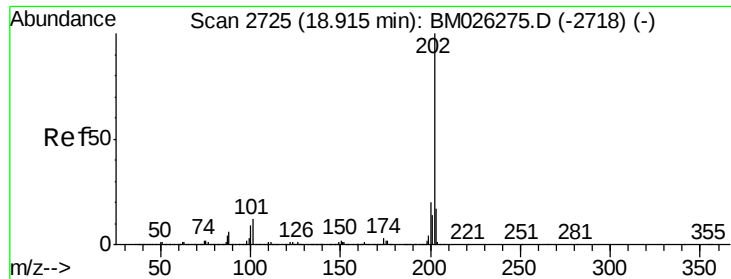


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





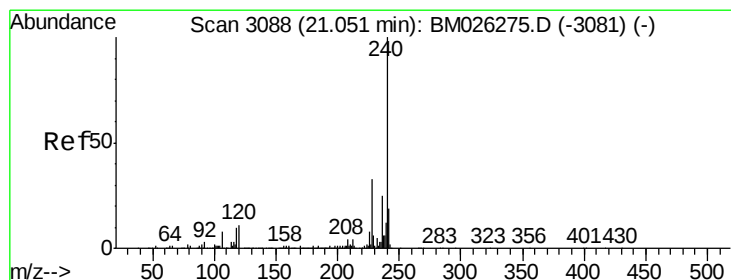
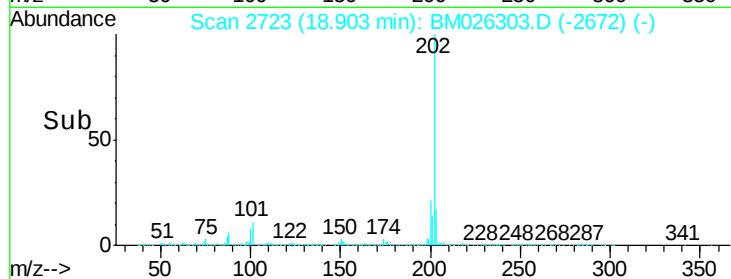
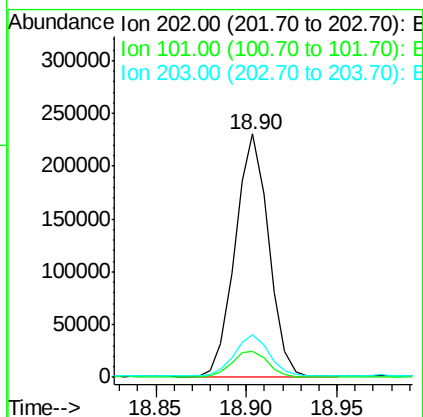
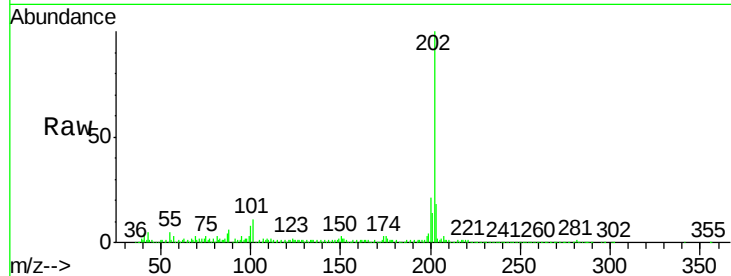
#75
Fluoranthene
Concen: 6.586 ng
RT: 18.90 min Scan# 2723
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	31.6
203	17.5	0.0	37.4

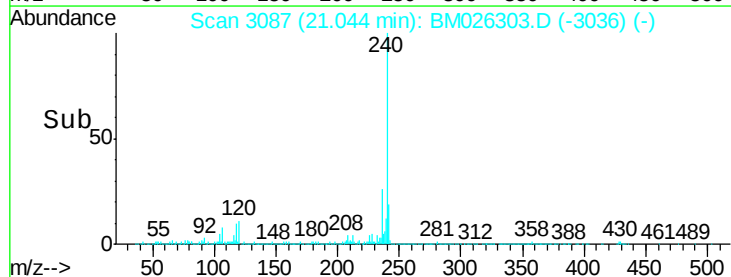
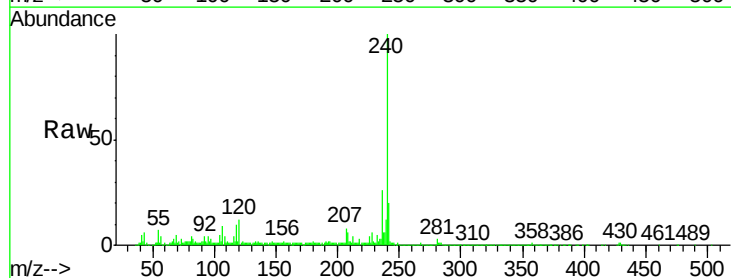
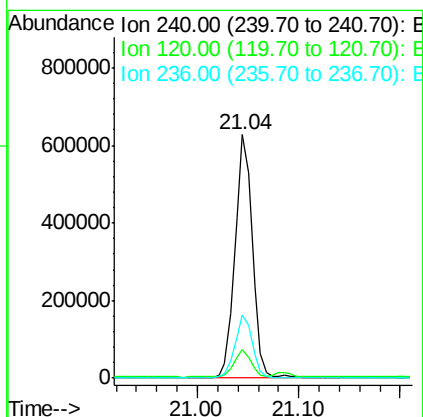
Manual Integrations
APPROVED

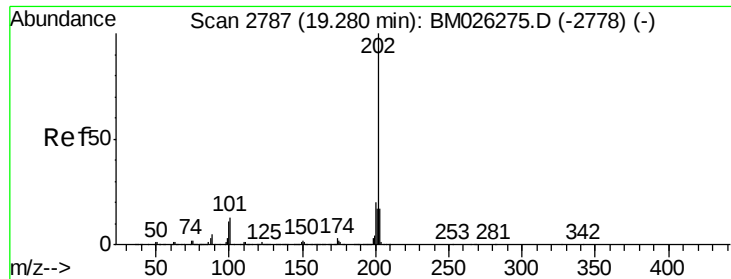
mohammad
6/10/2020 11:51:22 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3087
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	8.9	13.3
236	26.0	19.7	29.5





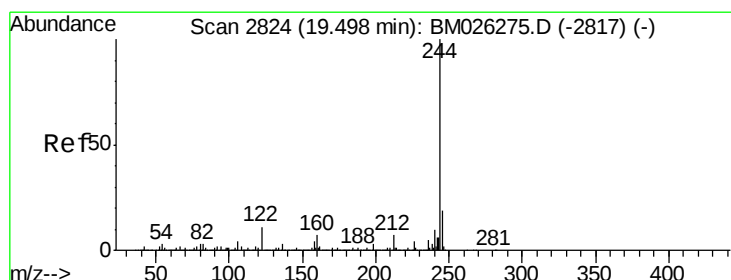
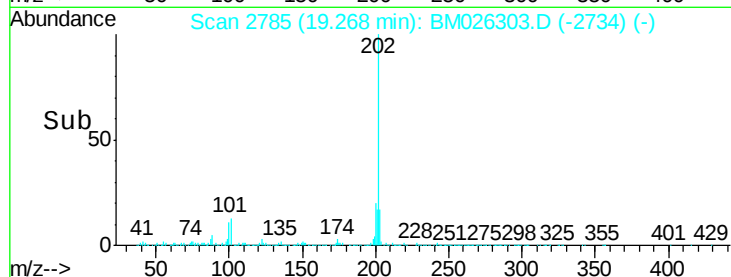
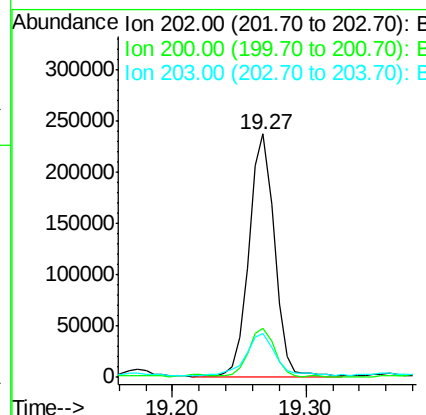
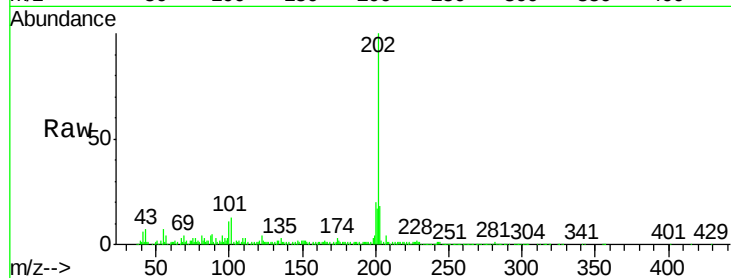
#78
Pvrene
Concen: 6.278 ng
RT: 19.27 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.9	13.8	20.8

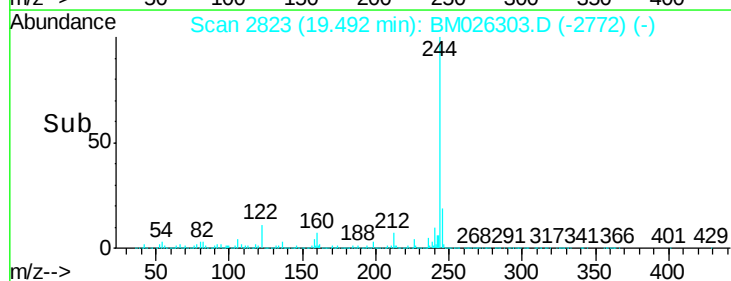
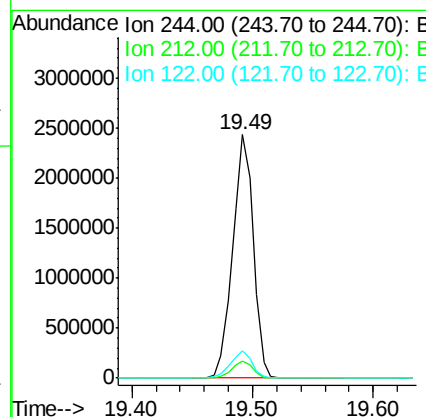
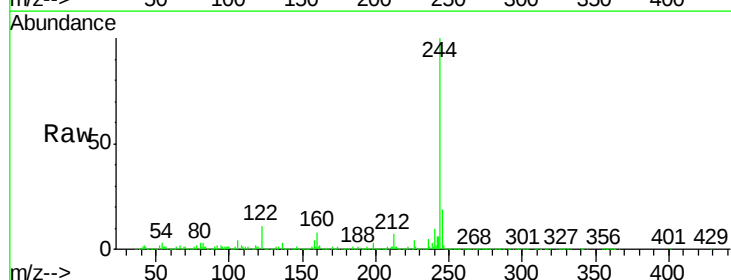
Manual Integrations
APPROVED

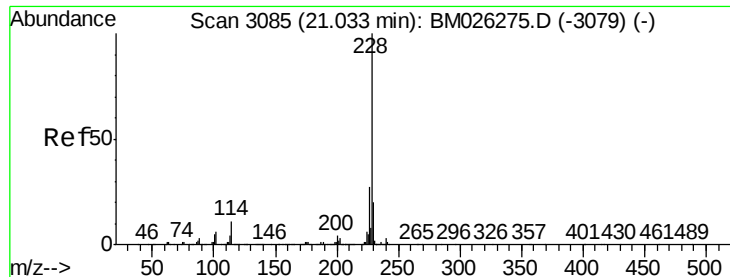
mohammad
6/10/2020 11:51:22 AM



#79
Terphenyl-d14
Concen: 75.362 ng
RT: 19.49 min Scan# 2823
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.3	9.1	13.7





#81

Benzo(a)anthracene

Concen: 3.674 ng

RT: 21.03 min Scan# 3085

Delta R.T. 0.01 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Instrument :

BNA_M

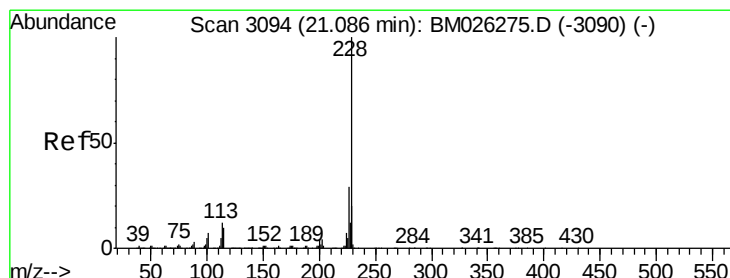
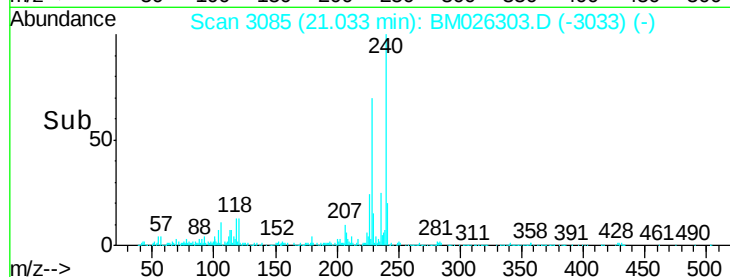
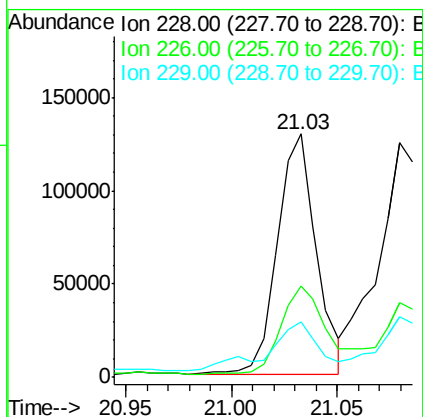
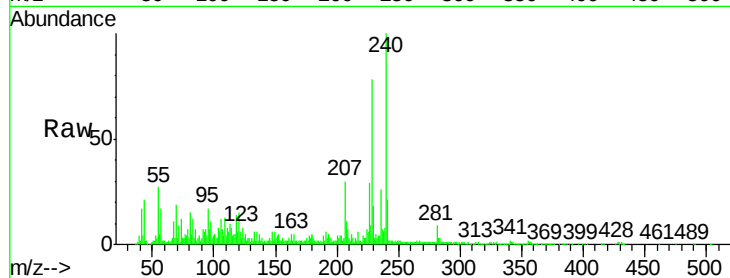
ClientSampleId :

2020-06-02-FD02

Tot Ion:	228	Resp:	164191
Ion Ratio	Lower	Upper	
228	100		
226	37.4	21.7	32.5#
229	23.0	15.9	23.9

Manual Integrations
APPROVED

mohammad
6/10/2020 11:51:22 AM



#83

Chrysene

Concen: 4.304 ng

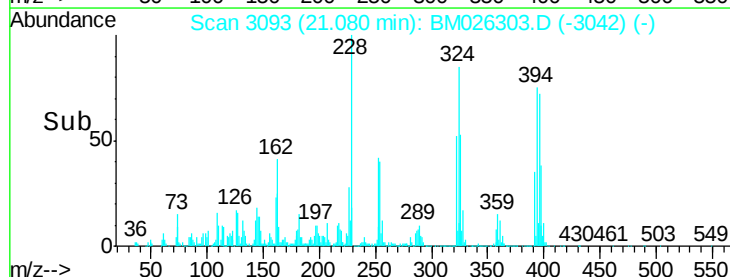
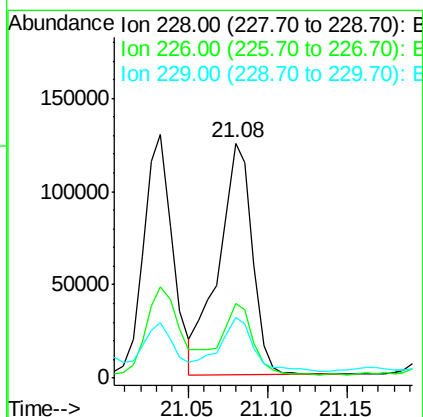
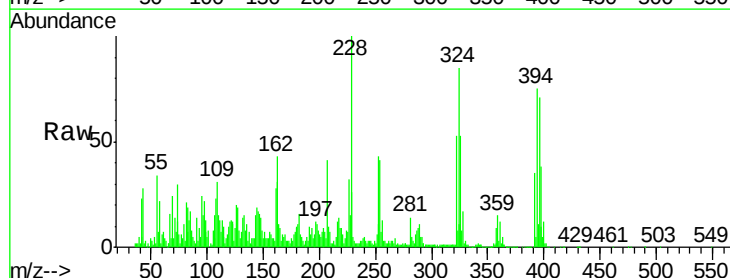
RT: 21.08 min Scan# 3093

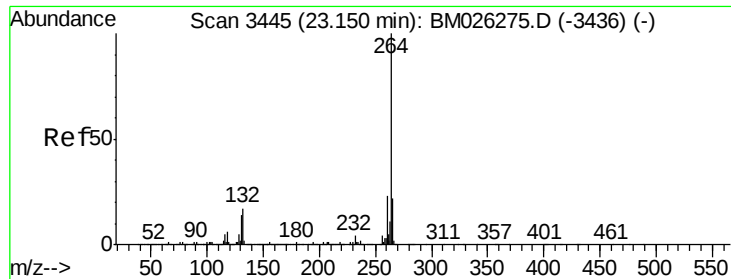
Delta R.T. -0.00 min

Lab File: BM026303.D

Acq: 09 Jun 2020 14:40

Tgt Ion:	228	Resp:	183298
Ion Ratio	Lower	Upper	
228	100		
226	31.7	23.5	35.3
229	25.6	15.8	23.6#





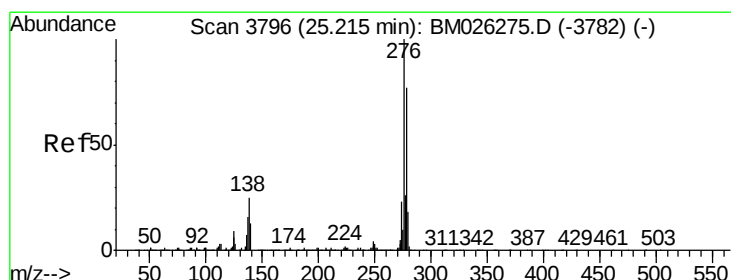
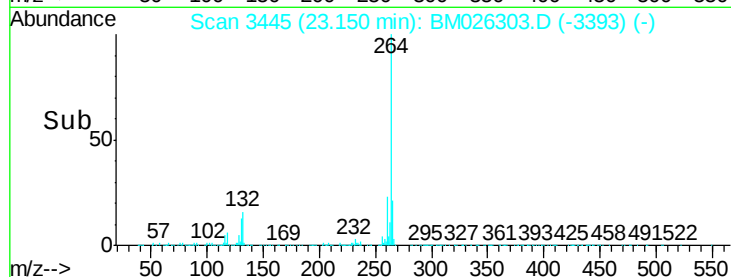
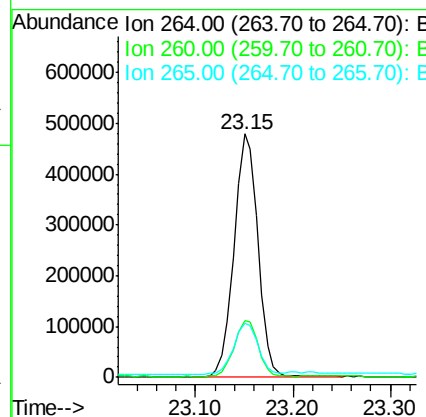
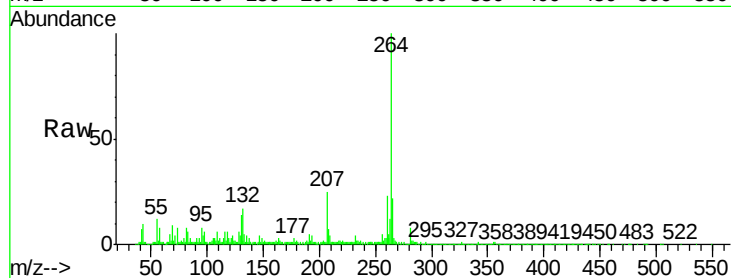
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. 0.01 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	22.5	18.2	27.2

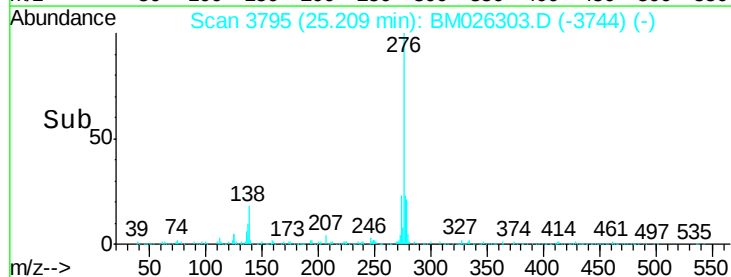
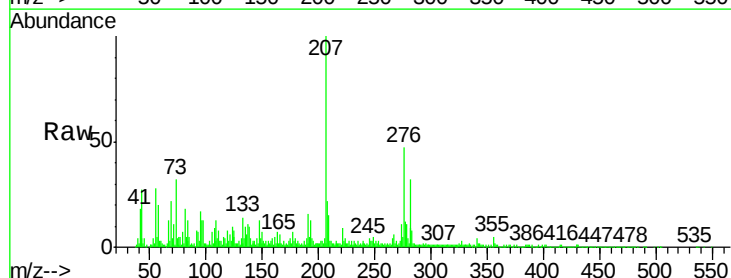
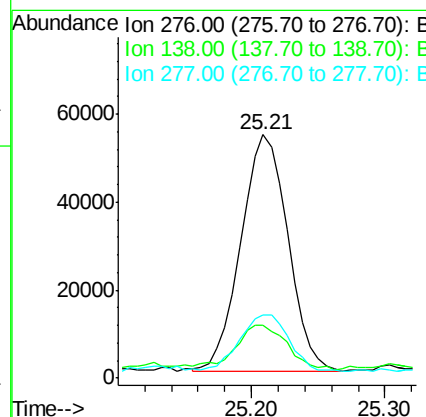
Manual Integrations
APPROVED

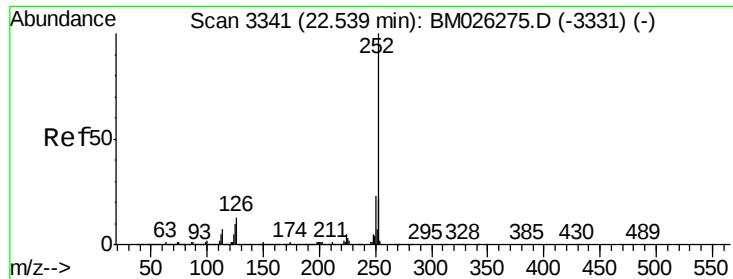
mohammad
6/10/2020 11:51:22 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.808 ng
RT: 25.21 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.8	29.8
277	25.4	20.2	30.2





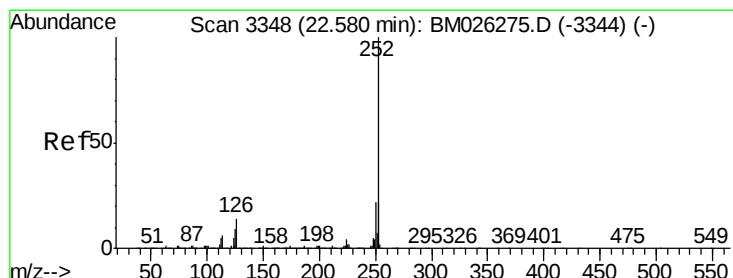
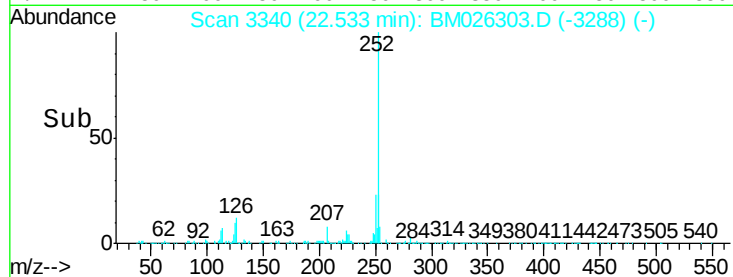
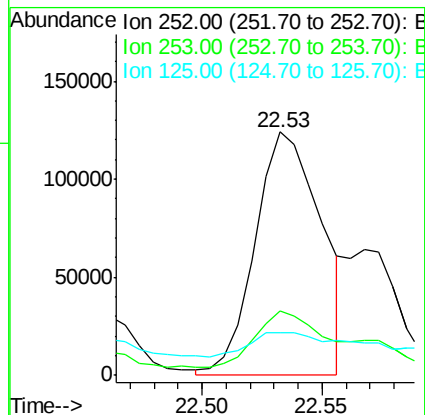
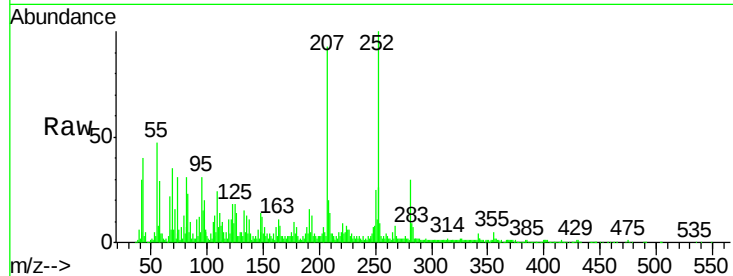
#88
Benzo(b)fluoranthene
Concen: 4.930 ng m
RT: 22.53 min Scan# 3340
Delta R.T. 0.01 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.6	26.4
125	17.6	7.9	11.9#

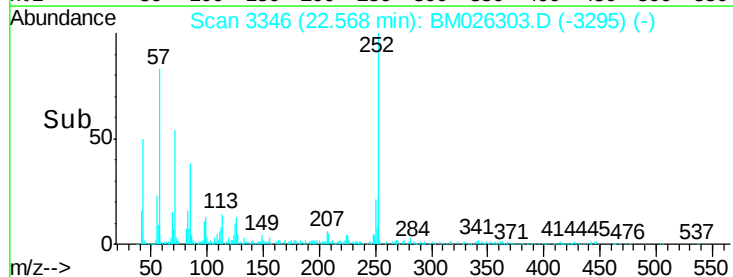
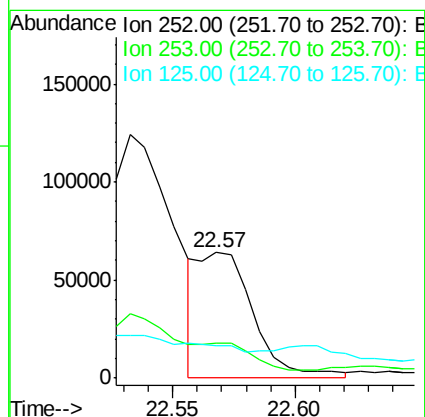
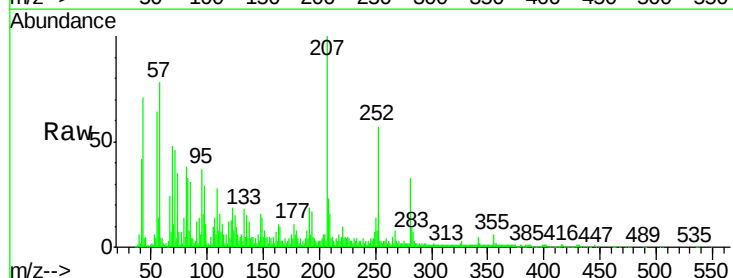
Manual Integrations
APPROVED

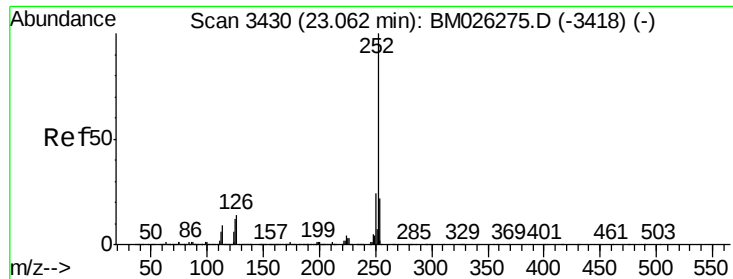
mohammad
6/10/2020 11:51:22 AM



#89
Benzo(k)fluoranthene
Concen: 2.136 ng m
RT: 22.57 min Scan# 3346
Delta R.T. -0.00 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.3	25.9#
125	26.1	7.8	11.6#





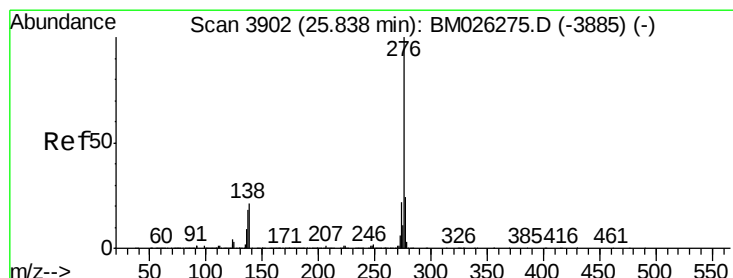
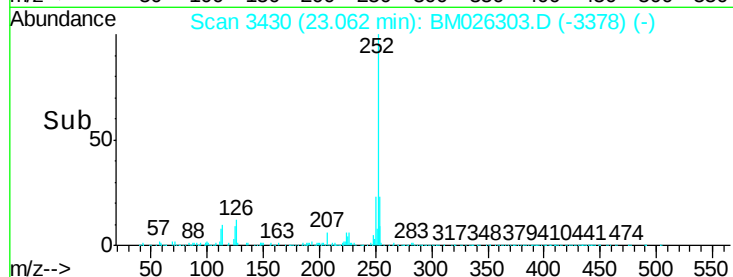
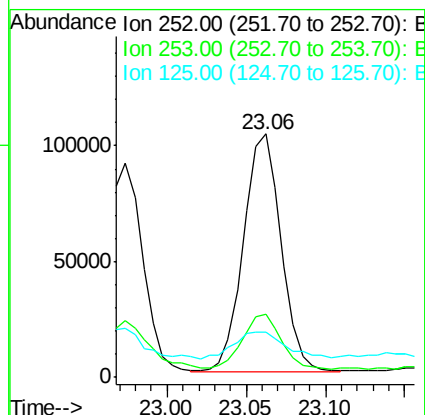
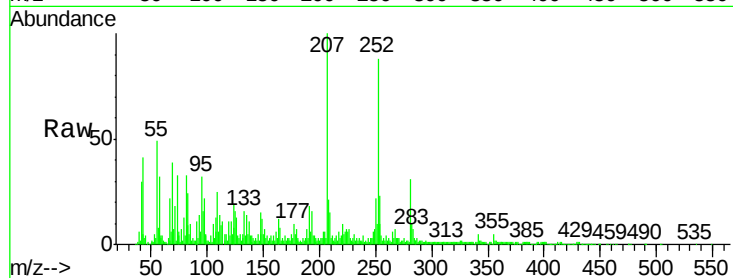
#90
Benzo(a)pyrene
Concen: 3.974 ng
RT: 23.06 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Instrument :
BNA_M
ClientSampleId :
2020-06-02-FD02

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.5	26.3
125	18.7	9.4	14.0

Manual Integrations
APPROVED

mohammad
6/10/2020 11:51:22 AM



#92
Benzo(g,h,i)perylene
Concen: 4.383 ng
RT: 25.84 min Scan# 3902
Delta R.T. 0.01 min
Lab File: BM026303.D
Acq: 09 Jun 2020 14:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.3	28.9
138	23.3	16.5	24.7

