

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
 Data File : BM020321.D
 Acq On : 13 May 2019 18:09
 Operator : JU/SJ
 Sample : K2767-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS012-0612-01

Manual Integrations
 APPROVED

mohammad
 5/14/2019 11:11:59 PM

Quant Time: May 14 04:21:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	45430	20.00	ng	-0.04
21) Naphthalene-d8	10.55	136	152102	20.00	ng	-0.04
39) Acenaphthene-d10	14.40	164	95881	20.00	ng	-0.03
64) Phenanthrene-d10	17.16	188	232396	20.00	ng	-0.02
76) Chrysene-d12	21.34	240	249882	20.00	ng	-0.02
87) Perylene-d12	23.63	264	271758	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	347194	124.92	ng	-0.02
7) Phenol-d6	6.93	99	466791	122.94	ng	-0.02
23) Nitrobenzene-d5	8.92	82	313183	81.29	ng	-0.04
42) 2,4,6-Tribromophenol	15.90	330	185232	124.46	ng	-0.02
45) 2-Fluorobiphenyl	13.02	172	532089	68.28	ng	-0.04
79) Terphenyl-d14	19.79	244	950662	66.36	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.86	163	100812	12.371	ng	Qvalue 97
71) Phenanthrene	17.20	178	26444	2.061	ng	97
75) Fluoranthene	19.22	202	67351	4.149	ng	99
78) Pyrene	19.58	202	131565	7.842	ng	100
81) Benzo(a)anthracene	21.33	228	65375m	3.731	ng	
83) Chrysene	21.39	228	86703m	5.102	ng	
86) Indeno(1,2,3-cd)pyrene	25.94	276	53855	2.664	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	99349m	5.536	ng	
90) Benzo(a)pyrene	23.53	252	66365	4.071	ng	# 97
92) Benzo(g,h,i)perylene	26.66	276	68881	4.280	ng	96

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

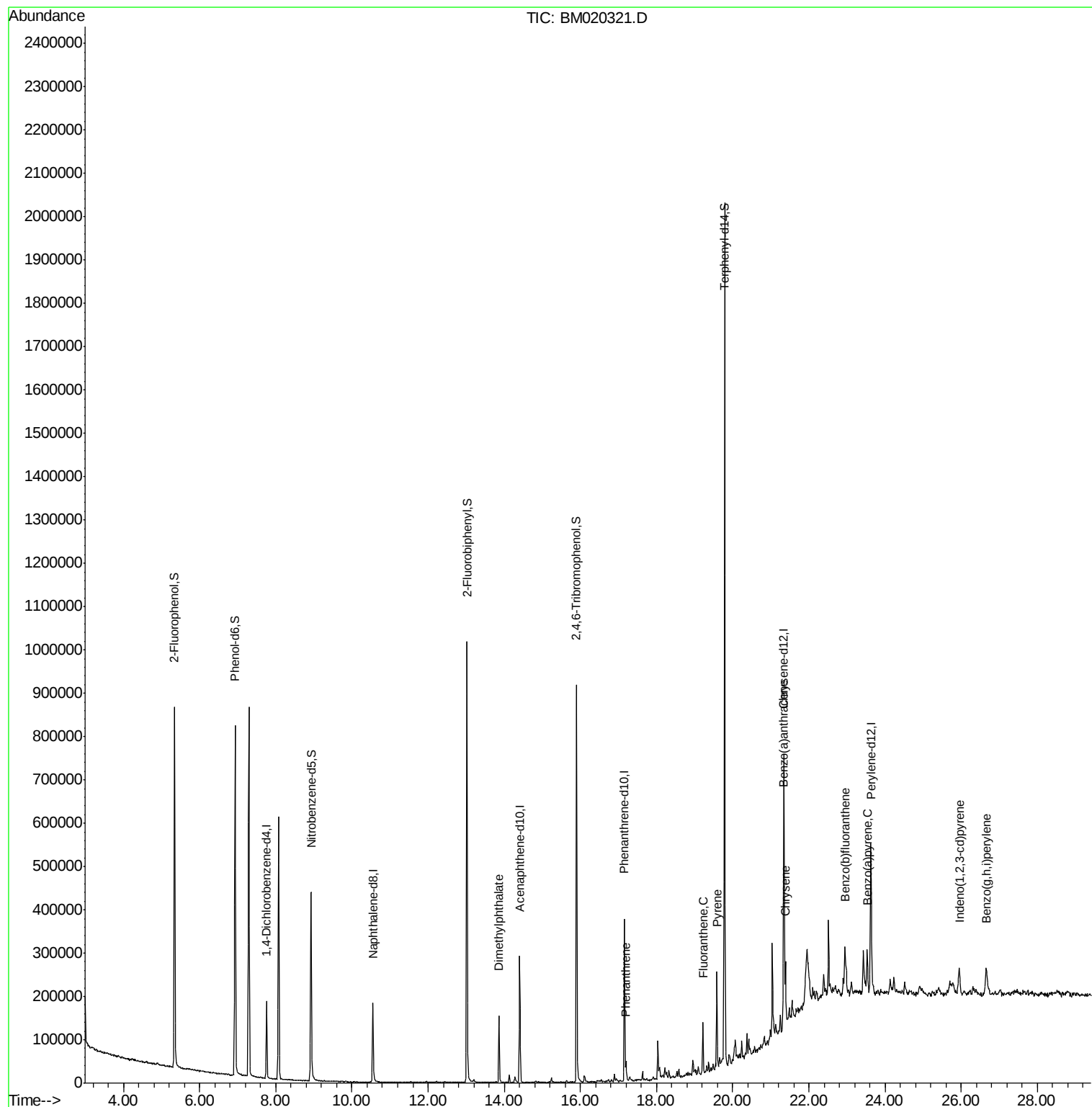
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051319\
Data File : BM020321.D
Acq On : 13 May 2019 18:09
Operator : JU/SJ
Sample : K2767-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

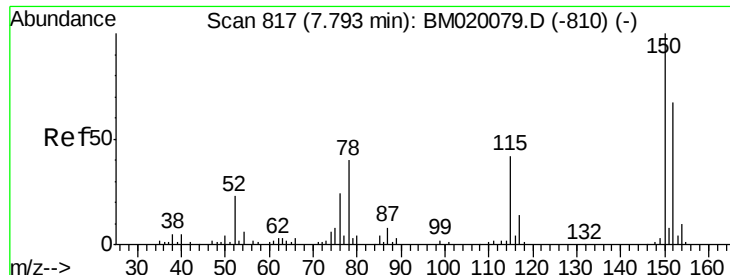
Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

Manual Integrations
APPROVED

mohammad
5/14/2019 11:11:59 PM

Quant Time: May 14 04:21:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration





#1

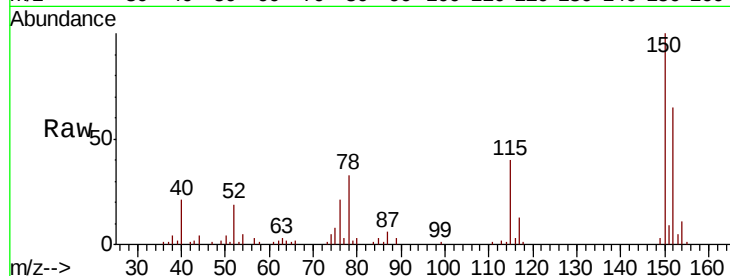
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 811
Delta R.T. -0.04 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	119.8	179.8
115	62.0	50.8	76.2

Manual Integrations
APPROVED

mohammad
5/14/2019 11:11:59 PM

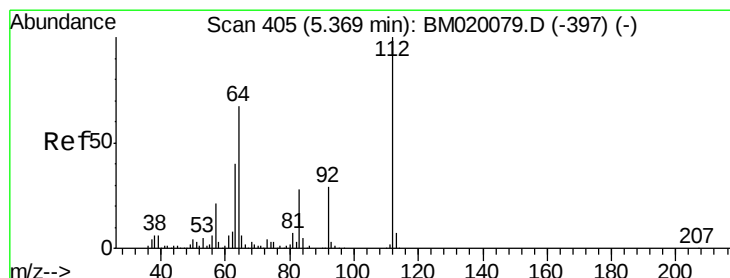
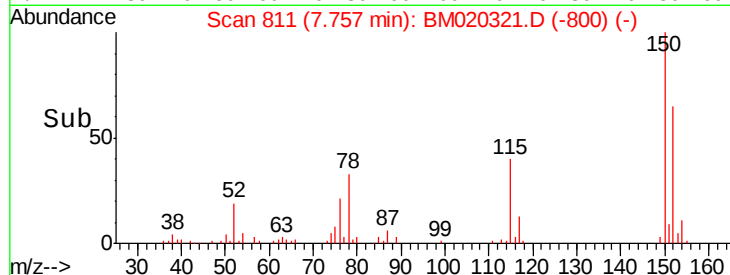
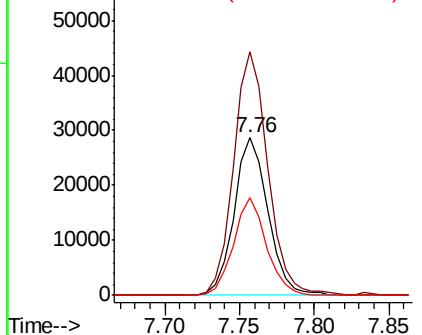


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

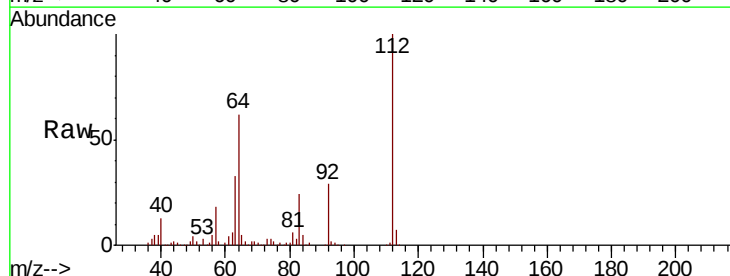
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.922 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	53.8	80.6
63	33.4	32.3	48.5

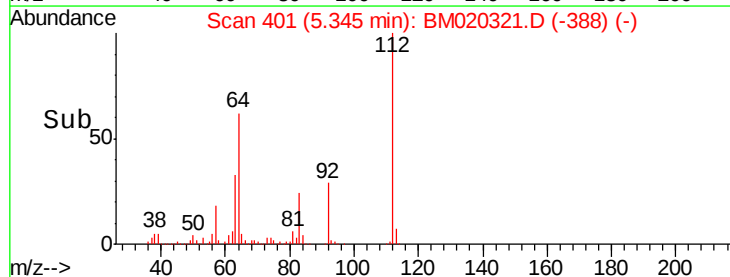
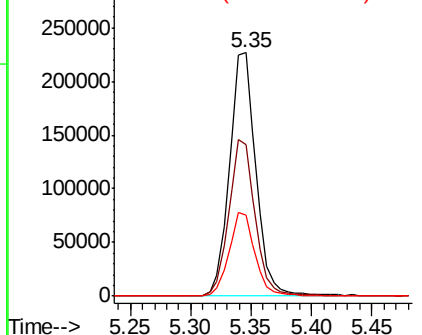


Abundance

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: 122.940 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

BNA_M

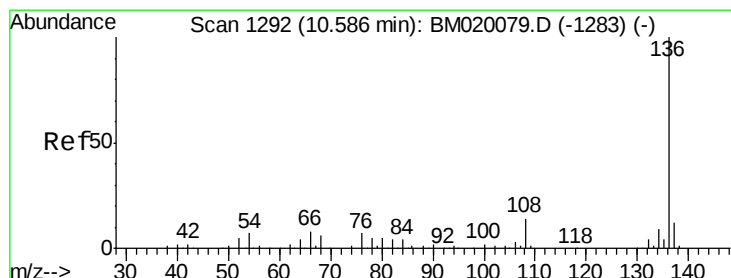
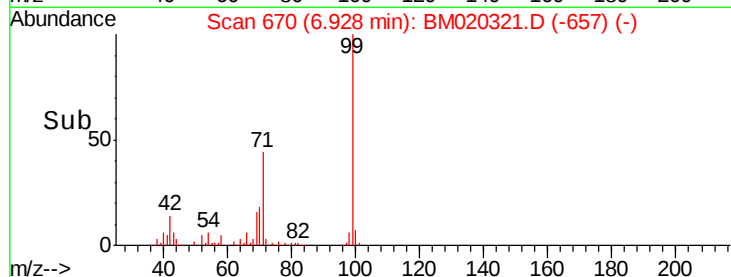
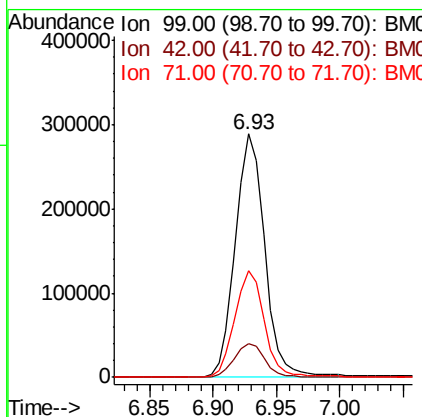
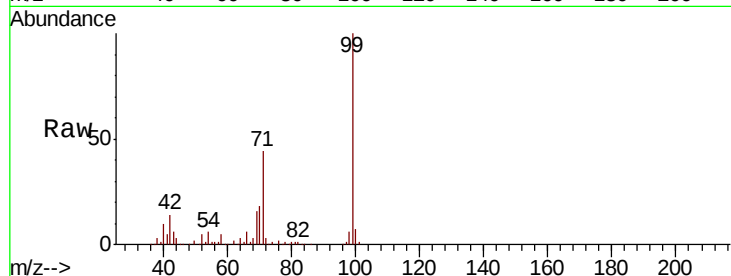
ClientSampleId :

P026-SS012-0612-01

Tot Ion:	99	Resp:	466791
Ion Ratio	Lower	Upper	
99	100		
42	13.6	14.2	21.2#
71	43.9	40.3	60.5

Manual Integrations
APPROVED

mohammad
5/14/2019 11:11:59 PM



#21

Naphthalene-d8

Concen: 20.000 ng

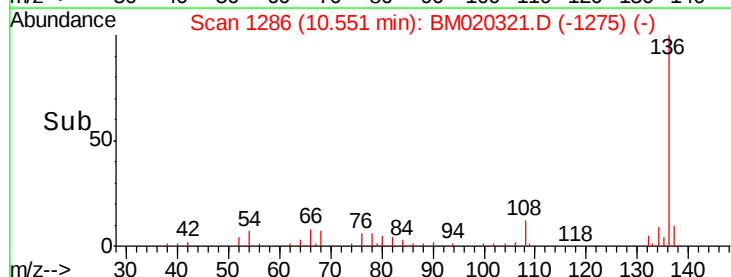
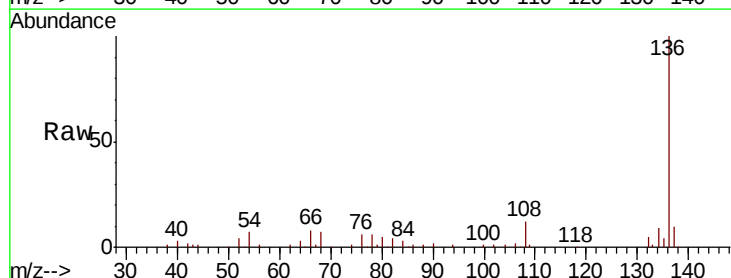
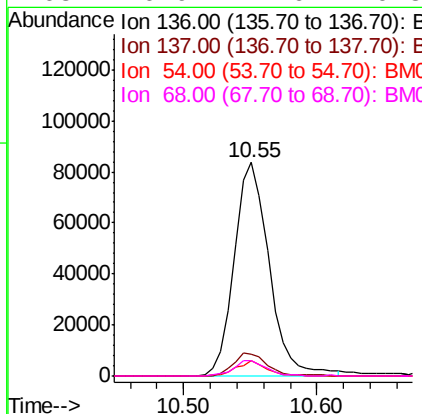
RT: 10.55 min Scan# 1286

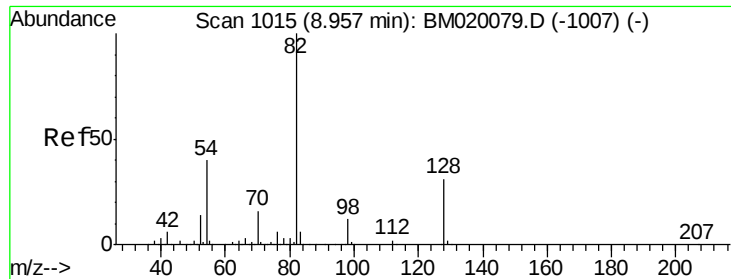
Delta R.T. -0.04 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Tgt Ion:	136	Resp:	152102
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.6	14.4
54	7.1	5.5	8.3
68	6.9	4.6	6.8#





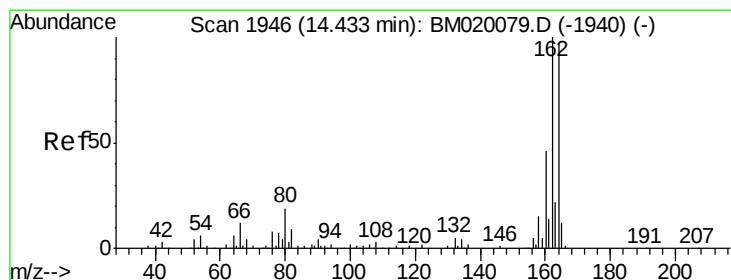
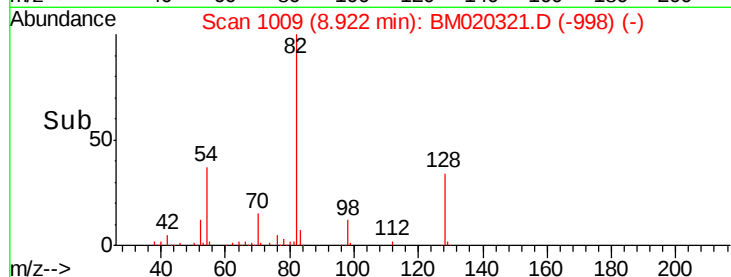
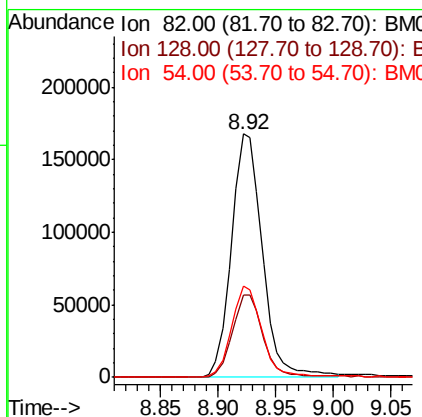
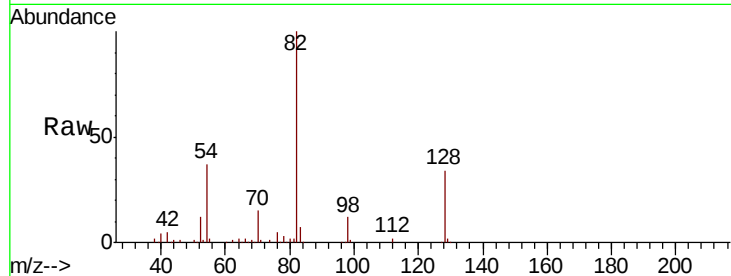
#23
Nitrobenzene-d5
Concen: 81.291 ng
RT: 8.92 min Scan# 1009
Delta R.T. -0.04 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.7	25.2	37.8
54	37.3	31.9	47.9

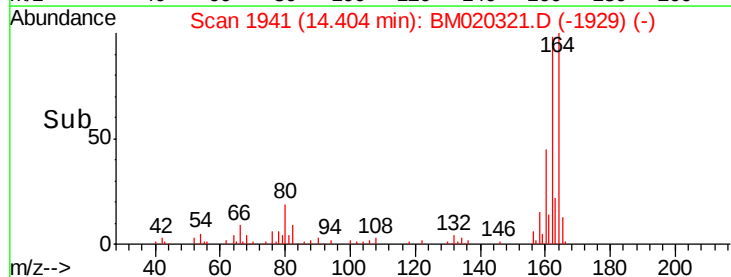
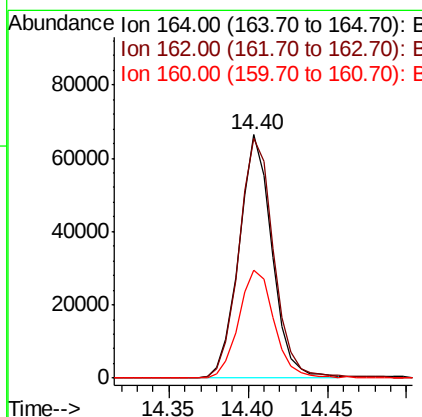
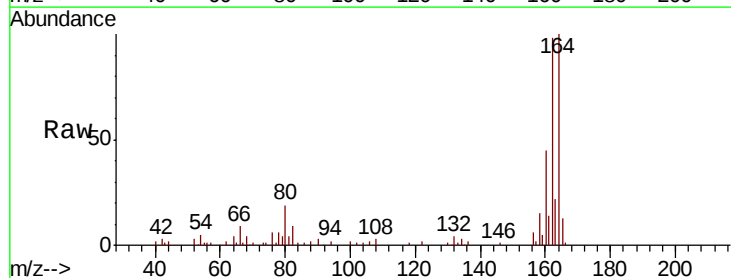
Manual Integrations
APPROVED

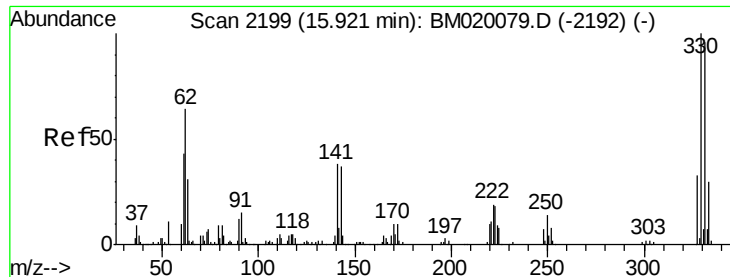
mohammad
5/14/2019 11:11:59 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1941
Delta R.T. -0.03 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	82.2	123.2
160	44.5	37.6	56.4





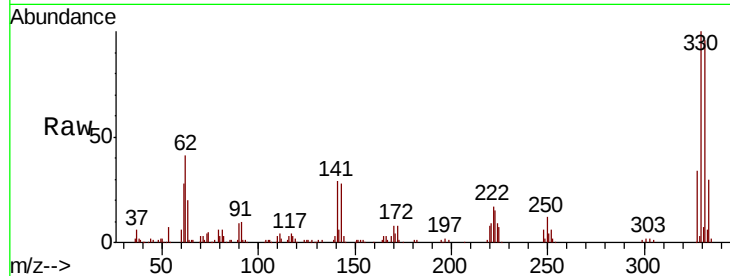
#42
 2,4,6-Tribromophenol
 Concen: 124.463 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS012-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100	185232		
332	96.5	76.8	115.2	
141	31.4	29.2	43.8	

Manual Integrations
 APPROVED

mohammad
 5/14/2019 11:11:59 PM

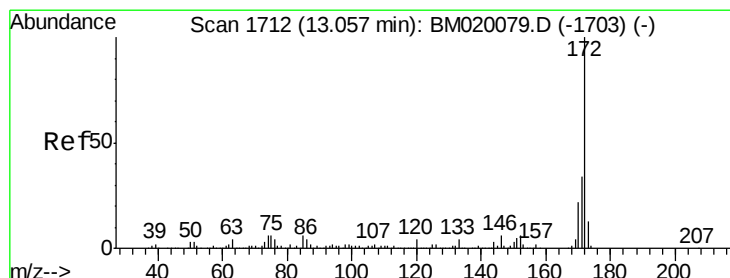
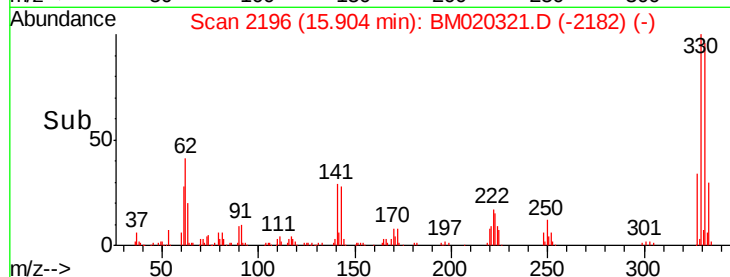
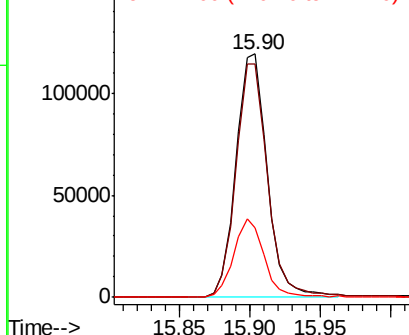


Abundance

Ion 329.80 (329.50 to 330.50): E

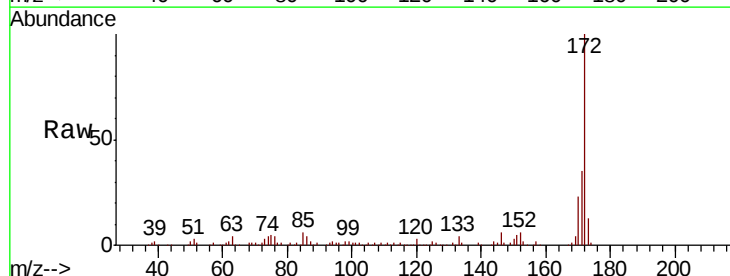
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 68.279 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.04 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	532089		
171	35.4	27.3	40.9	
170	22.8	17.9	26.9	

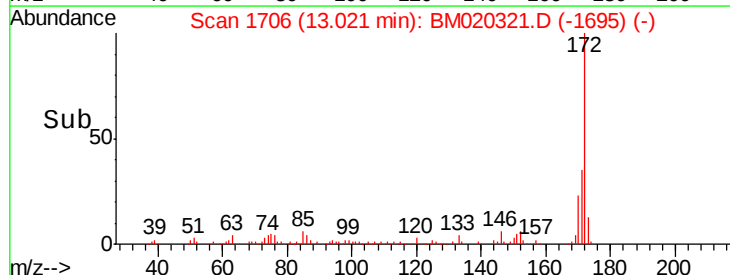
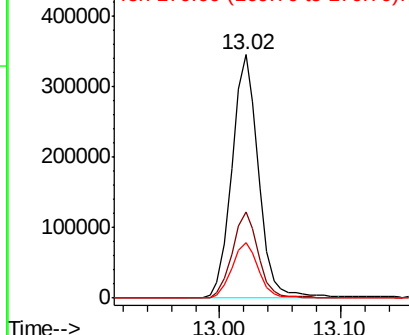


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





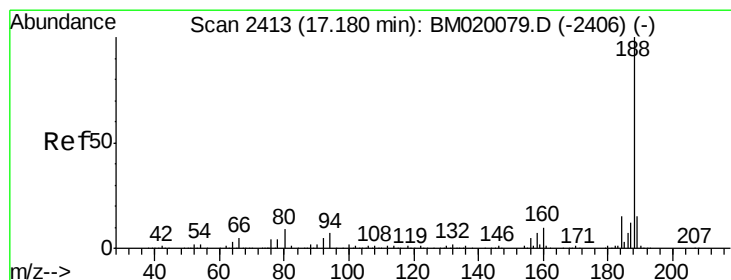
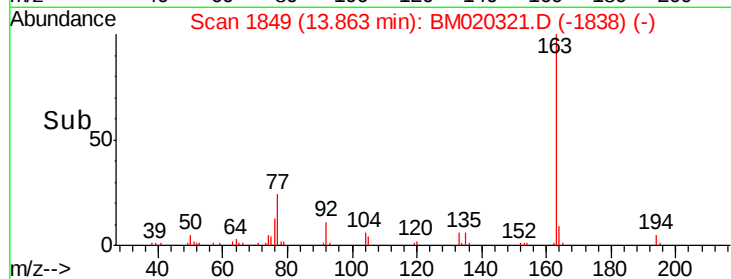
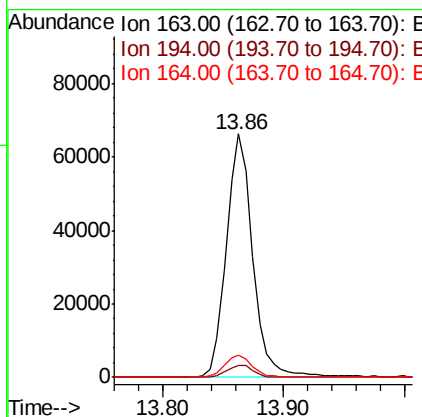
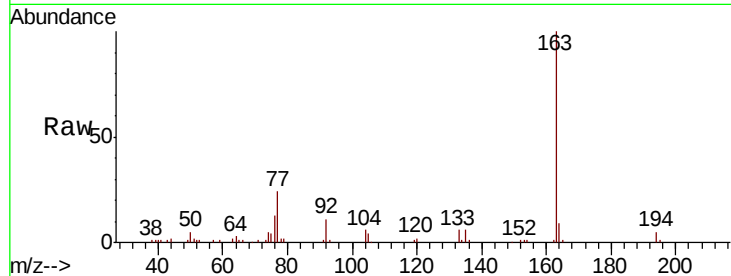
#50
Dimethylphthalate
Concen: 12.371 ng
RT: 13.86 min Scan# 1849
Delta R.T. -0.04 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	9.0	8.4	12.6

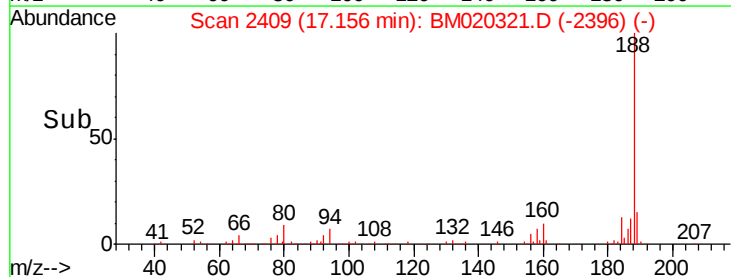
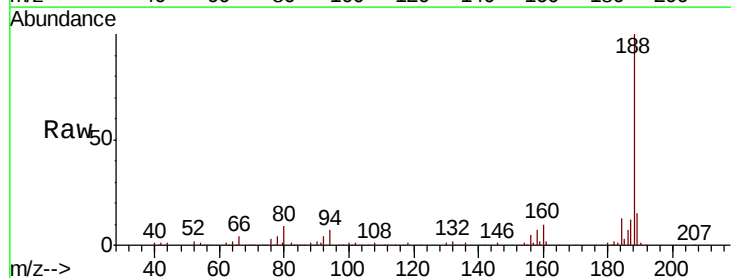
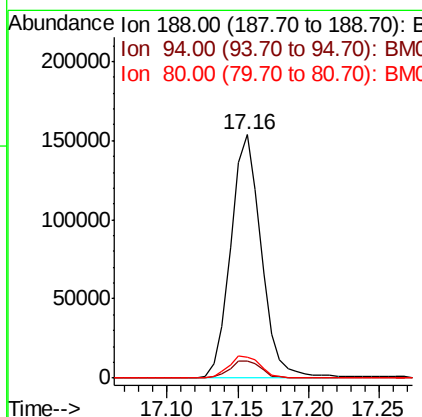
Manual Integrations
APPROVED

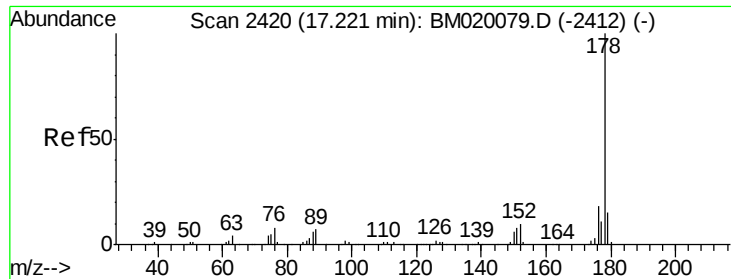
mohammad
5/14/2019 11:11:59 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2409
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	8.5	7.4	11.2





#71

Phenanthrene

Concen: 2.061 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

BNA_M

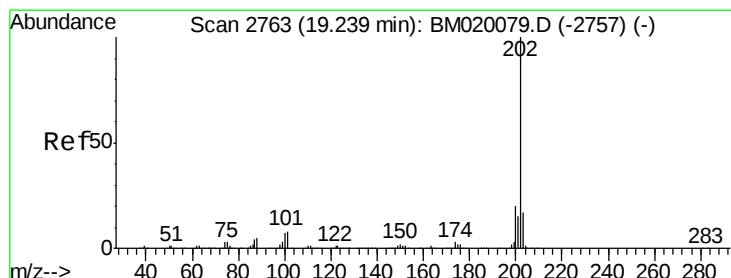
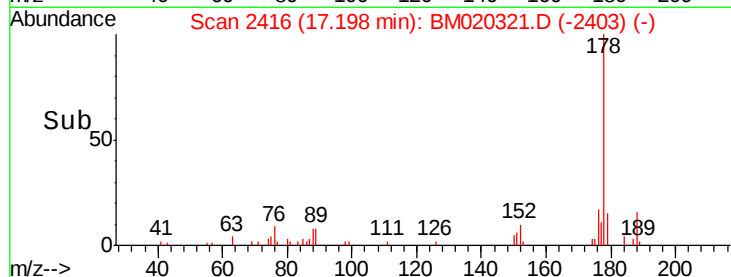
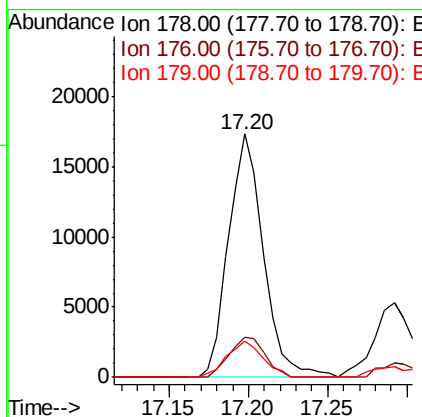
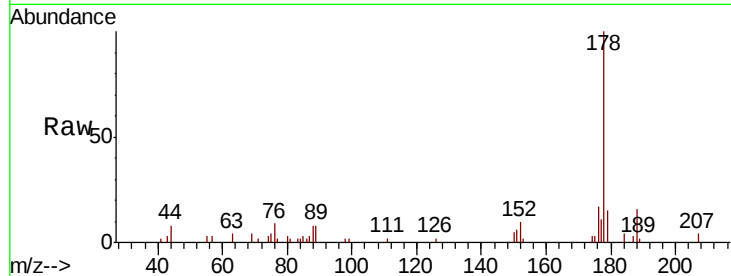
ClientSampleId :

P026-SS012-0612-01

Tot Ion:	178	Resp:	26444
Ion	Ratio	Lower	Upper
178	100		
176	16.6	14.6	21.8
179	14.8	12.4	18.6

Manual Integrations
APPROVED

mohammad
5/14/2019 11:11:59 PM



#75

Fluoranthene

Concen: 4.149 ng

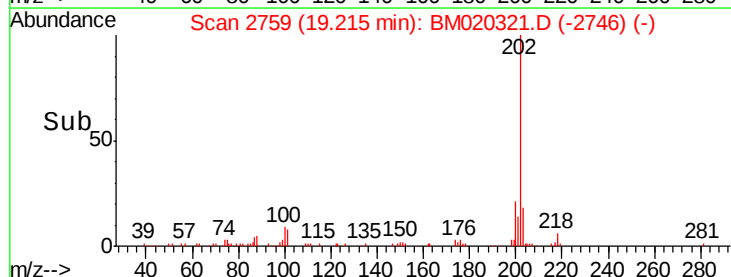
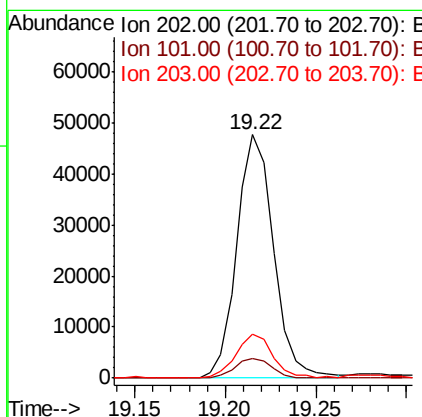
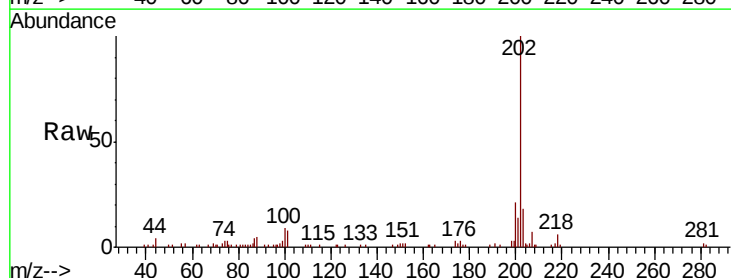
RT: 19.22 min Scan# 2759

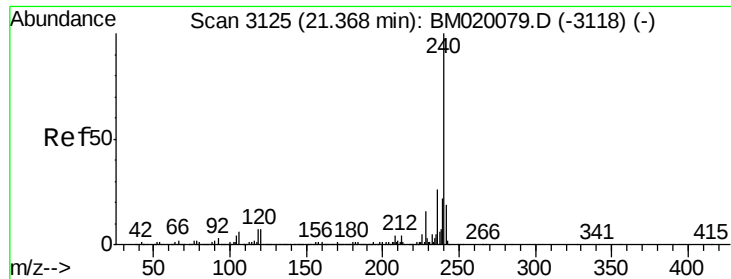
Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Tgt Ion:	202	Resp:	67351
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.4
203	17.8	0.0	37.4





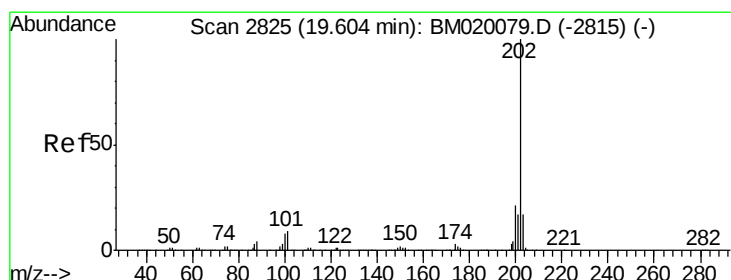
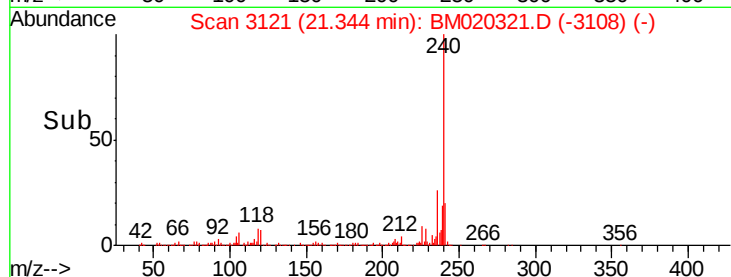
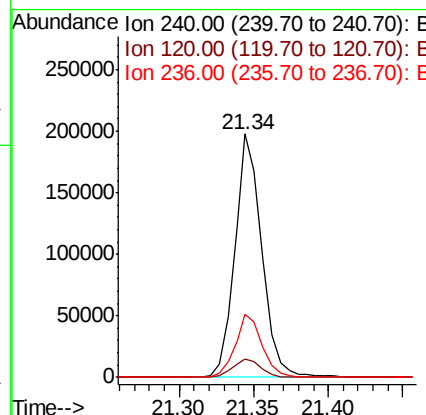
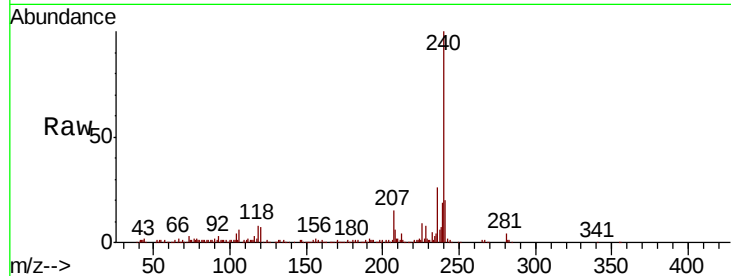
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	5.6	8.4
236	25.7	20.9	31.3

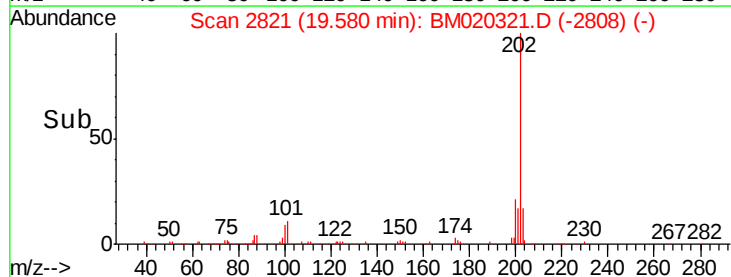
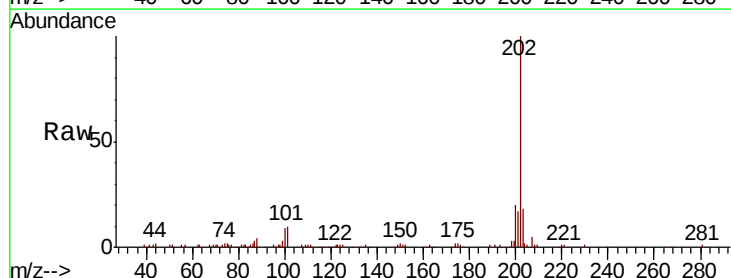
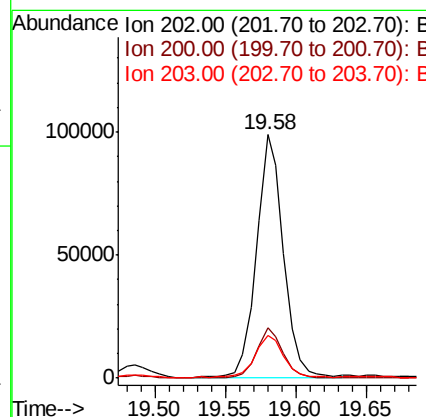
Manual Integrations
APPROVED

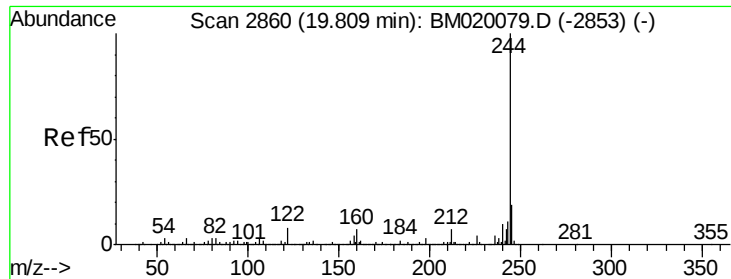
mohammad
5/14/2019 11:11:59 PM



#78
Pyrene
Concen: 7.842 ng
RT: 19.58 min Scan# 2821
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.7	13.9	20.9





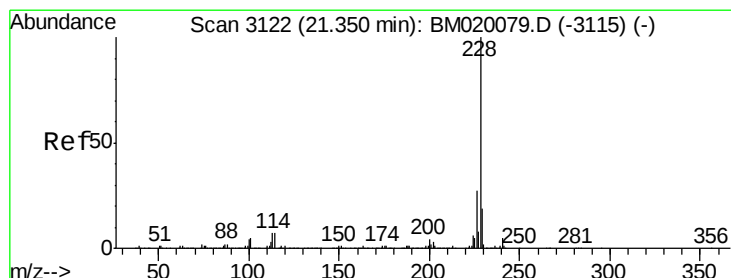
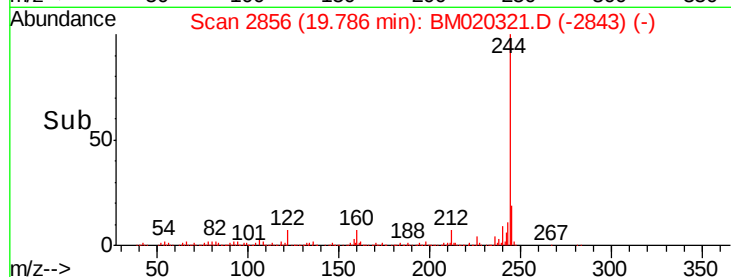
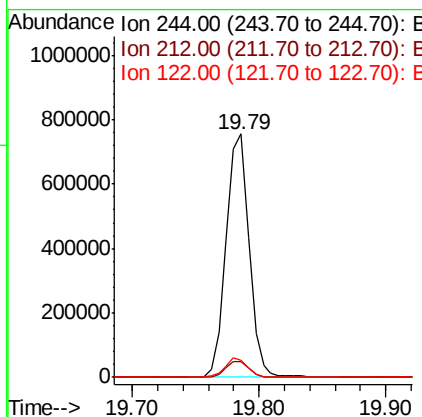
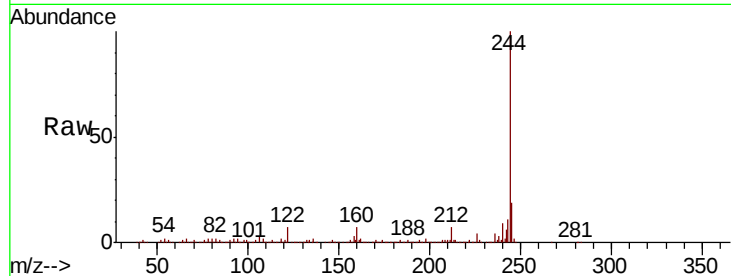
#79
 Terphenyl-d14
 Concen: 66.358 ng
 RT: 19.79 min Scan# 2856
 Delta R.T. -0.02 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS012-0612-01

Tot Ion:	244	Resp:	950662
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.1	6.2	9.2

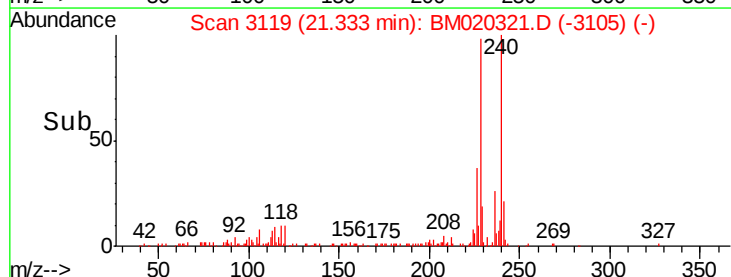
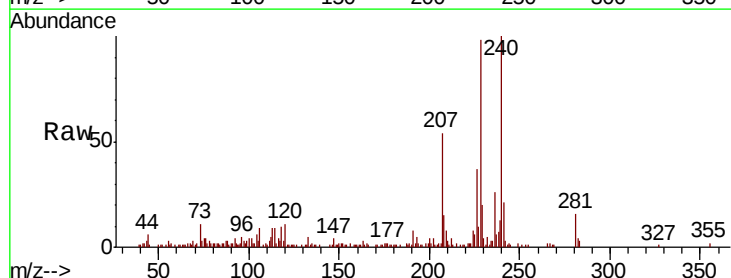
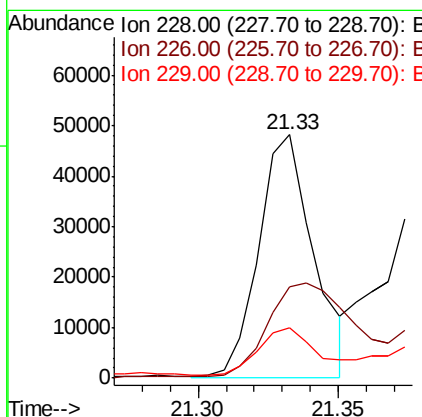
Manual Integrations
 APPROVED

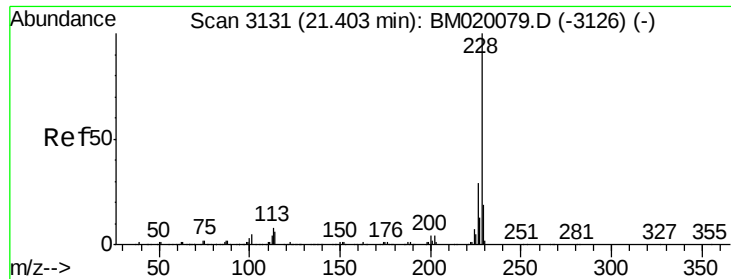
mohammad
 5/14/2019 11:11:59 PM



#81
 Benzo(a)anthracene
 Concen: 3.731 ng m
 RT: 21.33 min Scan# 3119
 Delta R.T. -0.02 min
 Lab File: BM020321.D
 Acq: 13 May 2019 18:09

Tgt Ion:	228	Resp:	65375
Ion Ratio		Lower	Upper
228	100		
226	37.5	21.3	31.9#
229	20.6	15.5	23.3





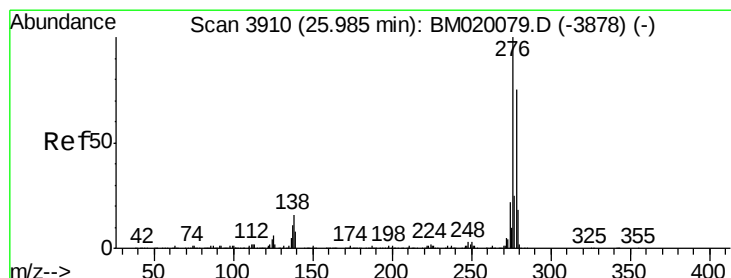
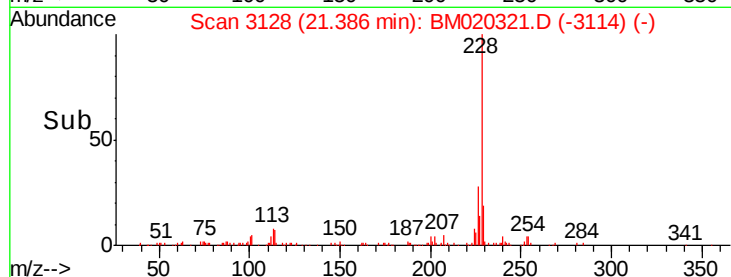
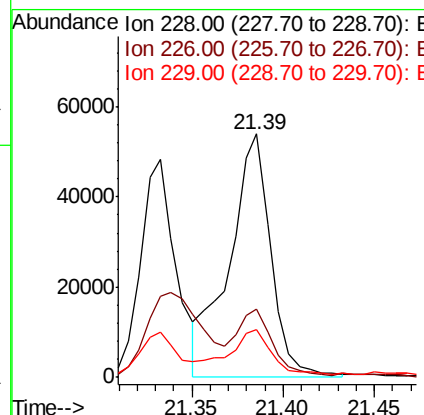
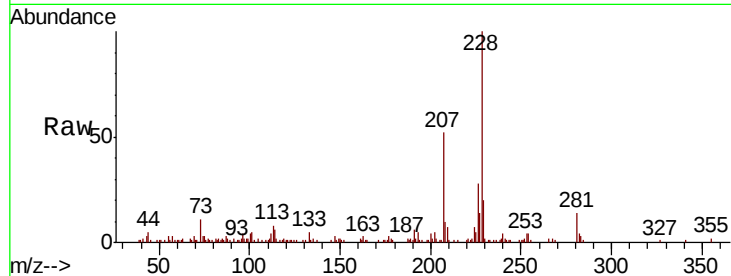
#83
Chrysene
Concen: 5.102 ng/ml
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.6
229	19.6	15.5	23.3

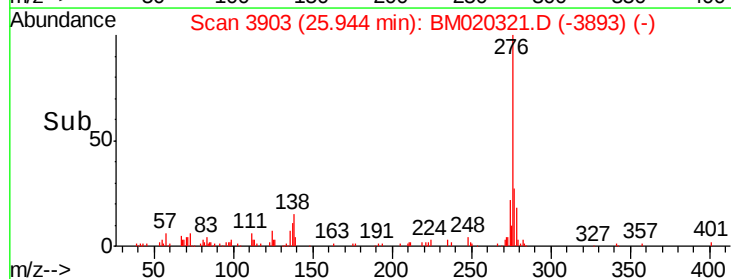
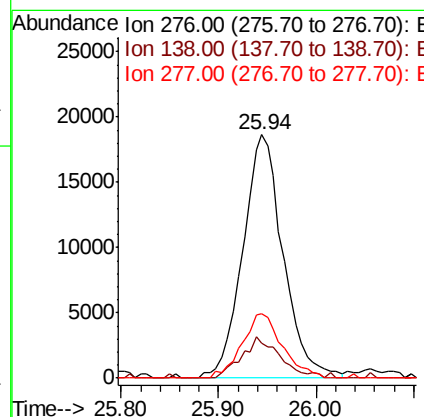
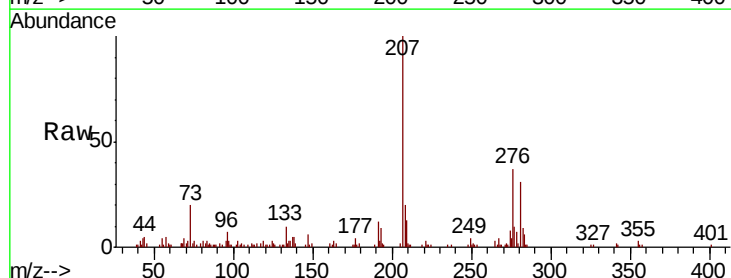
Manual Integrations
APPROVED

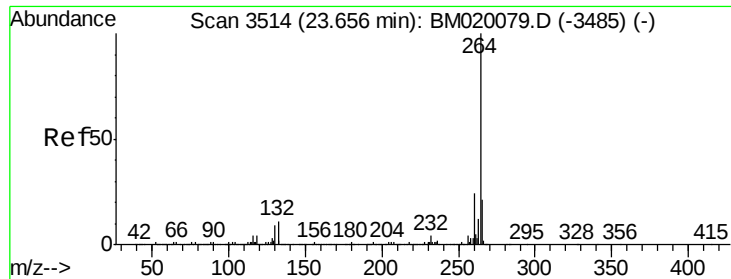
mohammad
5/14/2019 11:11:59 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.664 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.04 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	0.0	0.0#
277	26.3	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.63 min Scan# 3509

Delta R.T. -0.03 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Instrument :

BNA_M

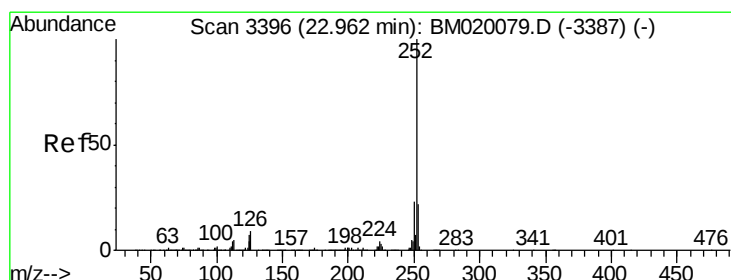
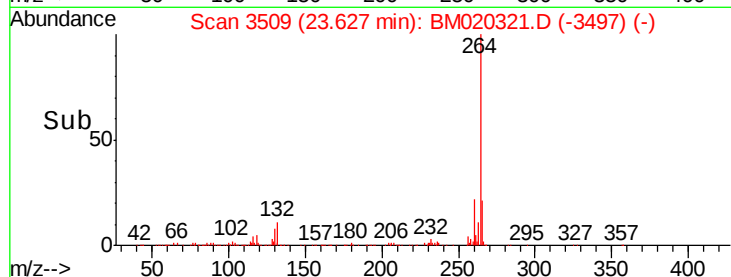
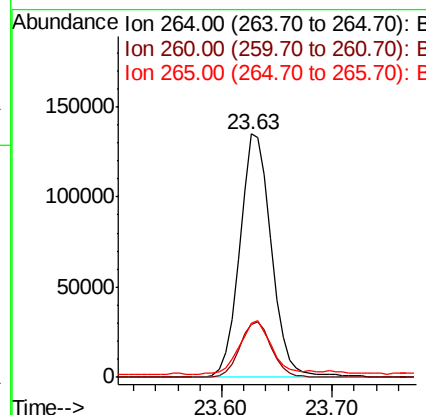
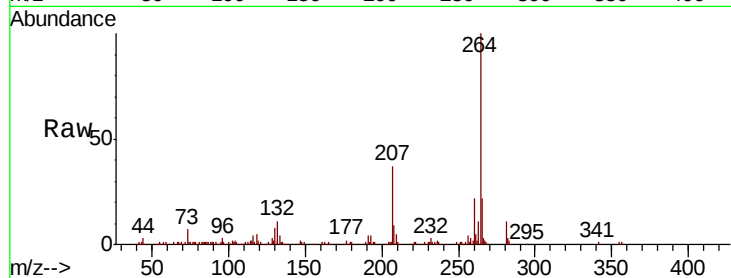
ClientSampleId :

P026-SS012-0612-01

Tot Ion:	264	Resp:	271758
Ion Ratio		Lower	Upper
264	100		
260	21.9	19.2	28.8
265	22.3	16.9	25.3

Manual Integrations
APPROVED

mohammad
5/14/2019 11:11:59 PM



#88

Benzo(b)fluoranthene

Concen: 5.536 ng m

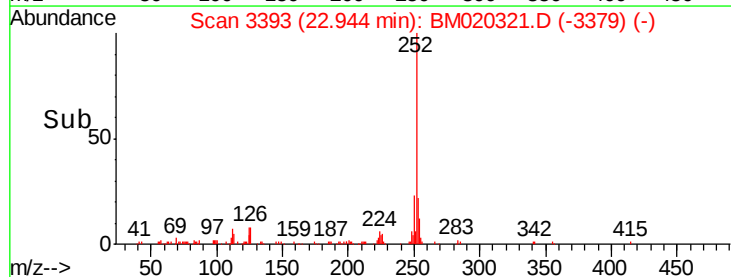
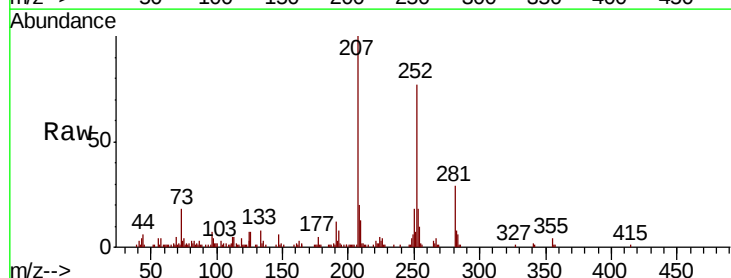
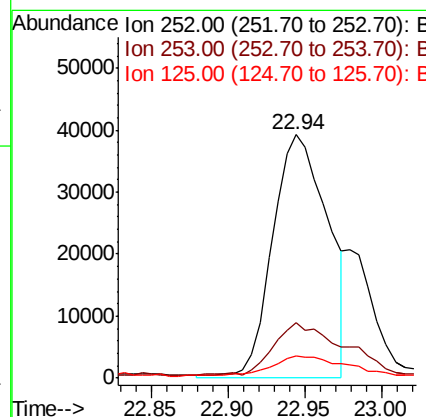
RT: 22.94 min Scan# 3393

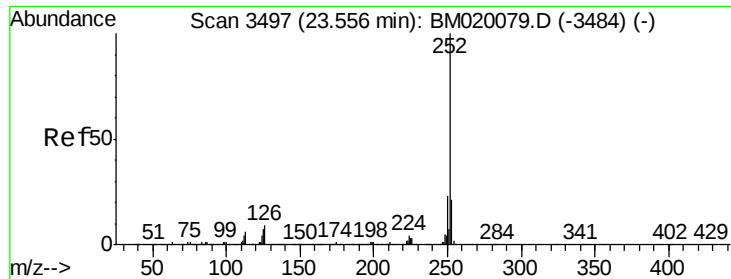
Delta R.T. -0.02 min

Lab File: BM020321.D

Acq: 13 May 2019 18:09

Tgt Ion:	252	Resp:	99349
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.5	26.3
125	9.0	5.4	8.2#





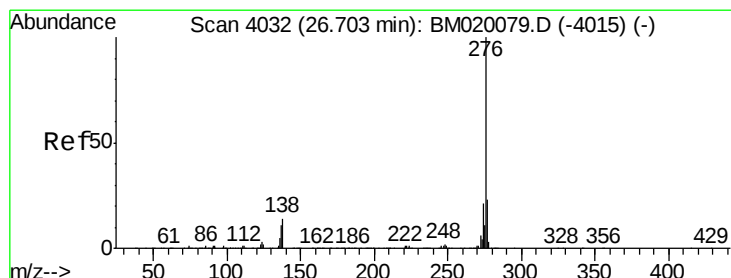
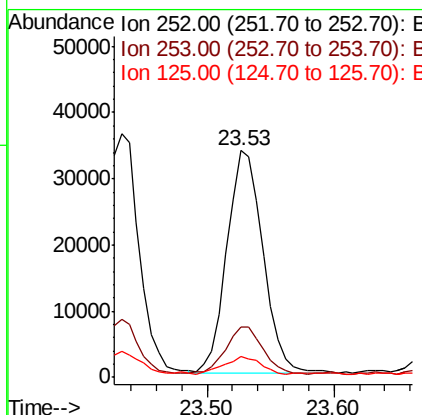
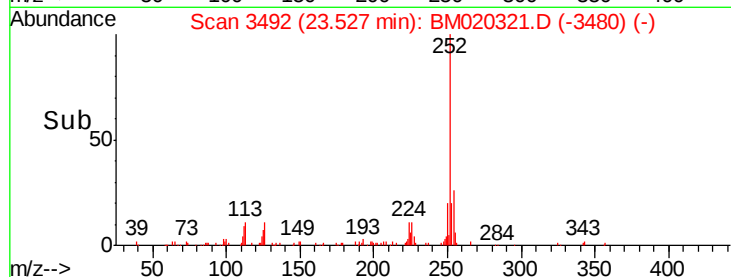
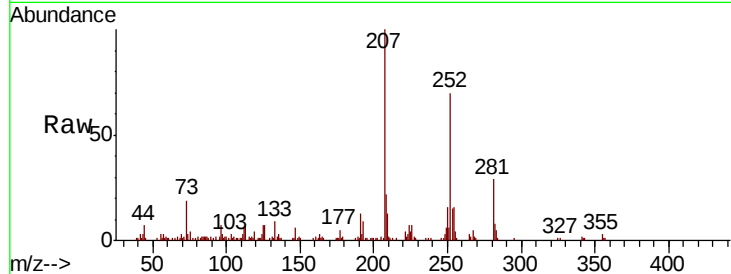
#90
Benzo(a)pyrene
Concen: 4.071 ng
RT: 23.53 min Scan# 3492
Delta R.T. -0.03 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Instrument :
BNA_M
ClientSampleId :
P026-SS012-0612-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.4	5.5	8.3

Manual Integrations
APPROVED

mohammad
5/14/2019 11:11:59 PM



#92
Benzo(g,h,i)perylene
Concen: 4.280 ng
RT: 26.66 min Scan# 4025
Delta R.T. -0.04 min
Lab File: BM020321.D
Acq: 13 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.4	27.6
138	14.8	11.1	16.7

