

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
 Data File : BM026357.D
 Acq On : 11 Jun 2020 15:46
 Operator : JU/CG
 Sample : L2970-02RE 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 600472986RE

Manual Integrations
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mohammad
 6/15/2020 8:43:24 AM

Quant Time: Jun 11 16:24:21 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	7.42	152	166947	20.00	ng	0.00
21) Naphthalene-d8	10.18	136	655800	20.00	ng	0.00
39) Acenaphthene-d10	14.07	164	381479	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	781029	20.00	ng	0.00
76) Chrysene-d12	21.04	240	916629	20.00	ng	0.00
86) Perylene-d12	23.15	264	1041677	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	166655	17.65	ng	0.00
7) Phenol-d6	6.63	99	245989	17.99	ng	0.00
23) Nitrobenzene-d5	8.57	82	189742	14.21	ng	0.00
42) 2,4,6-Tribromophenol	15.57	330	85717	18.55	ng	-0.01
45) 2-Fluorobiphenyl	12.68	172	394622	15.70	ng	-0.01
79) Terphenyl-d14	19.49	244	632471	13.39	ng	0.00

Target Compounds				Qvalue		
37) 2-Methylnaphthalene	11.86	142	115530	4.906	ng	100
38) 1-Methylnaphthalene	12.07	142	203537	9.124	ng	97
49) Acenaphthylene	13.79	152	77787	2.239	ng	# 84
52) Acenaphthene	14.14	154	443531	21.263	ng	100
58) Fluorene	15.13	166	328979	12.051	ng	98
71) Phenanthrene	16.87	178	1356746	33.358	ng	100
72) Anthracene	16.96	178	643604	15.855	ng	99
75) Fluoranthene	18.90	202	3319431	71.186	ng	99
78) Pyrene	19.27	202	4570530	75.465	ng	99
81) Benzo(a)anthracene	21.03	228	1679643	30.528	ng	97
83) Chrysene	21.08	228	1706739	32.552	ng	97
87) Indeno(1,2,3-cd)pyrene	25.21	276	784931	13.026	ng	95
88) Benzo(b)fluoranthene	22.53	252	1435989m	22.916	ng	
89) Benzo(k)fluoranthene	22.57	252	534321m	8.777	ng	
90) Benzo(a)pyrene	23.06	252	1435254	25.789	ng	98
91) Dibenzo(a,h)anthracene	25.21	278	207615	4.127	ng	# 83
92) Benzo(a,h,i)perylene	25.83	276	838973	17.526	ng	98

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

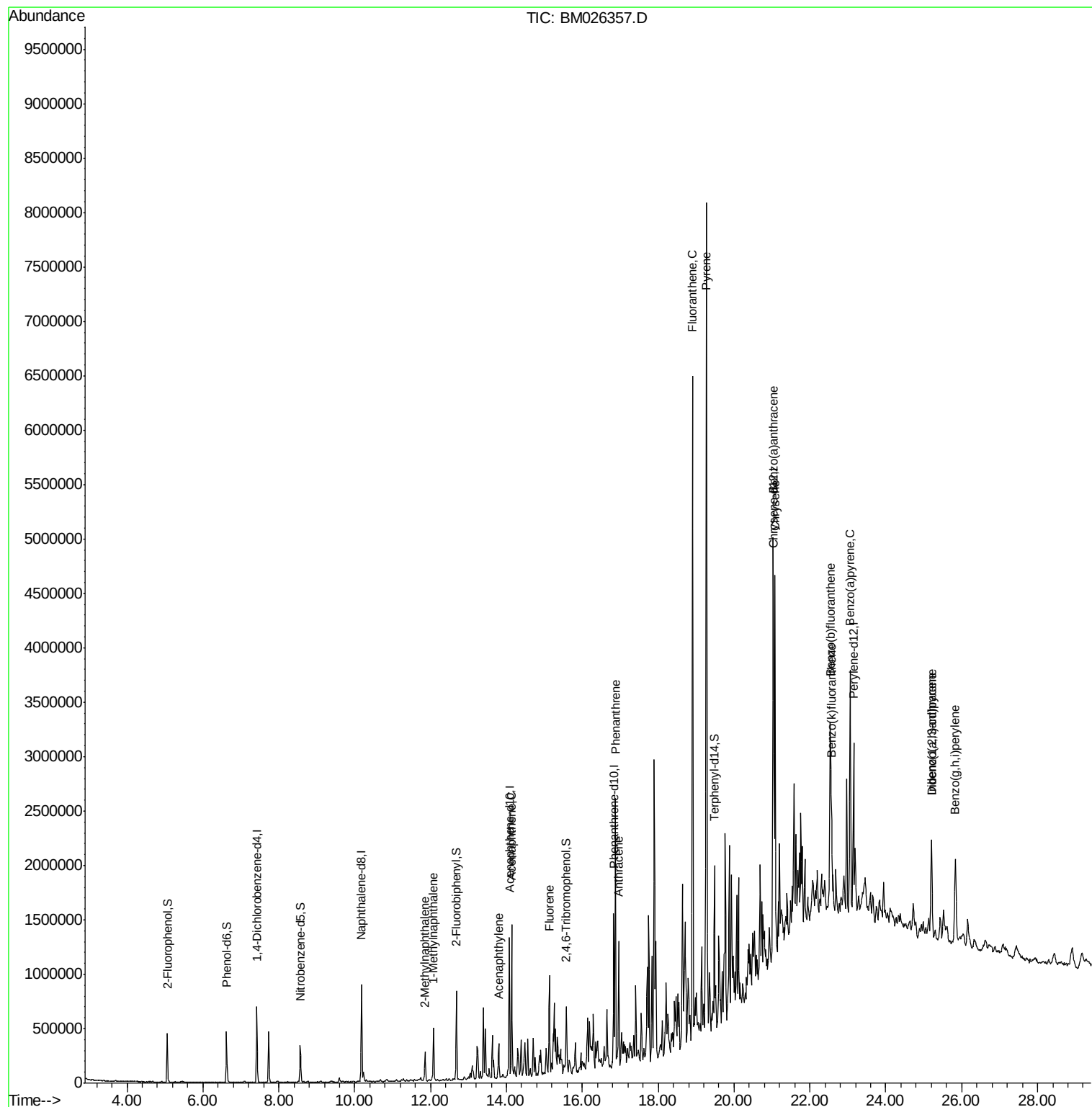
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026357.D
Acq On : 11 Jun 2020 15:46
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ALS Vial : 10 Sample Multiplier: 1

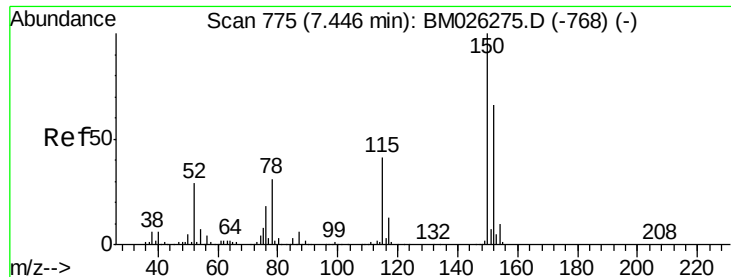
Instrument :
BNA_M
ClientSampleId :
600472986RE

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Quant Time: Jun 11 16:24:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

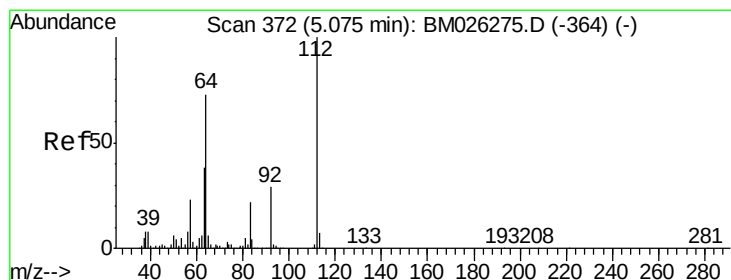
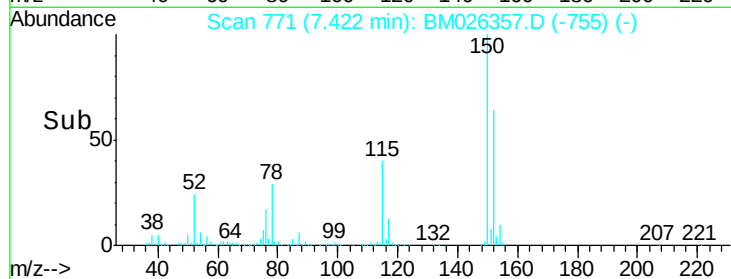
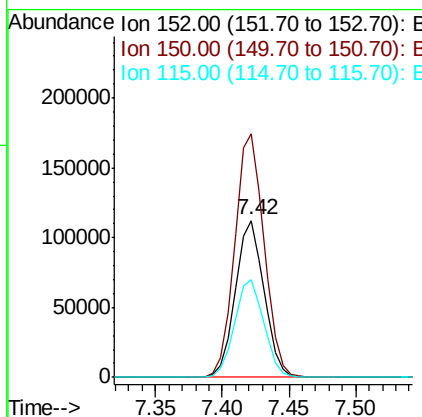
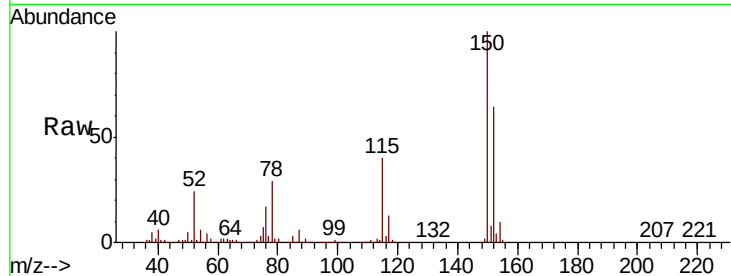
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Instrument :
BNA_M
ClientSampleId :
600472986RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	122.1	183.1
115	62.0	49.7	74.5

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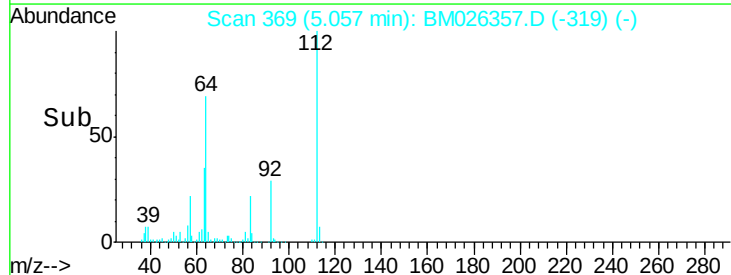
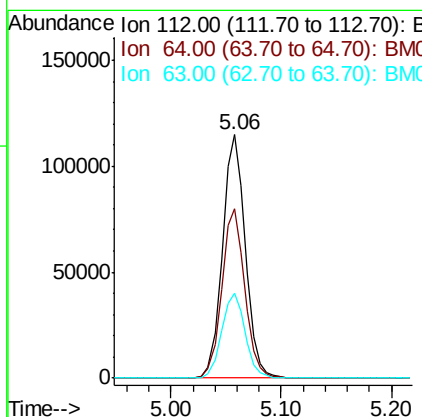
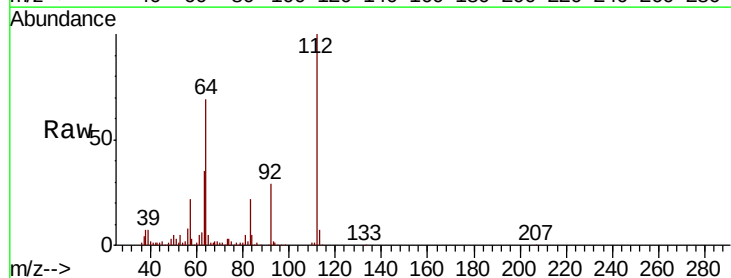
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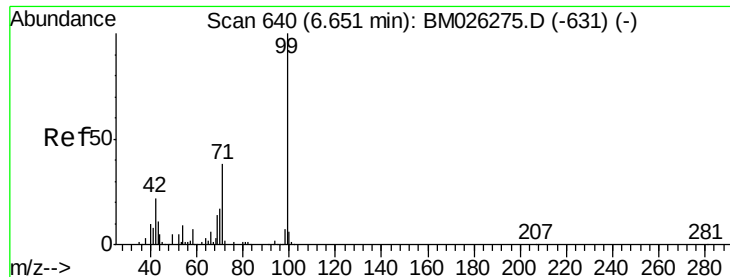


#5

2-Fluorophenol
Concen: 17.649 ng
RT: 5.06 min Scan# 369
Delta R.T. -0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	58.1	87.1
63	35.1	30.6	45.8





#7

Phenol-d6

Concen: 17.991 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Instrument :

BNA_M

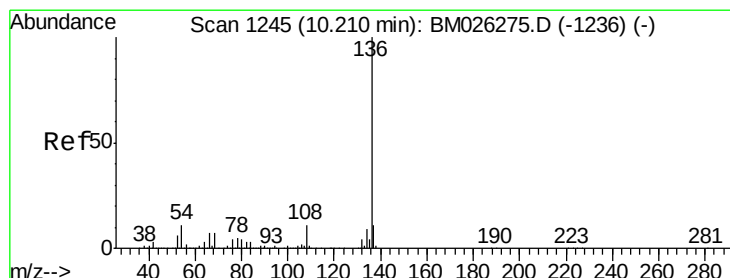
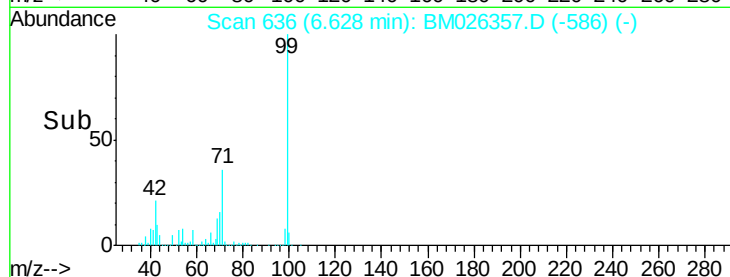
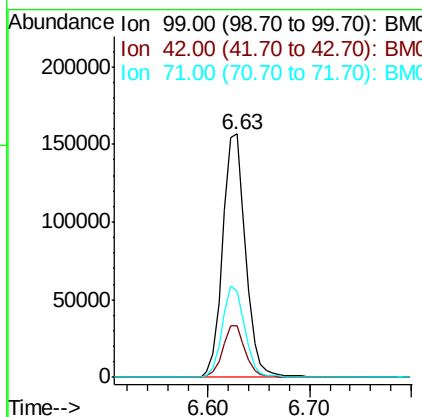
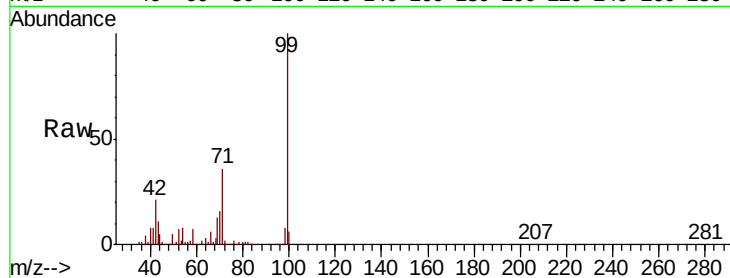
ClientSampleId :

600472986RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		245989		
42	21.1	18.0	27.0		
71	35.5	30.6	45.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

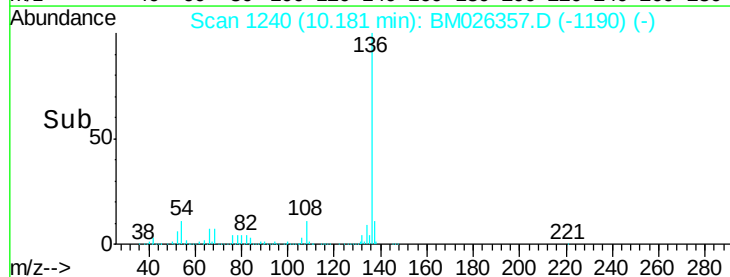
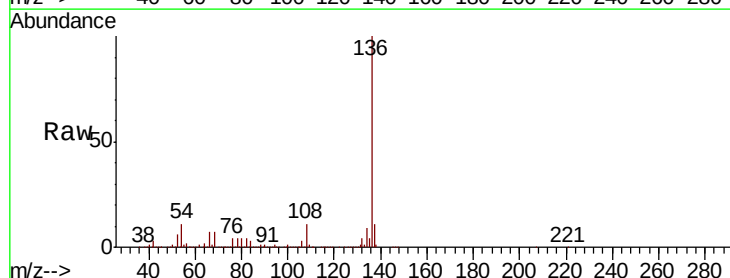
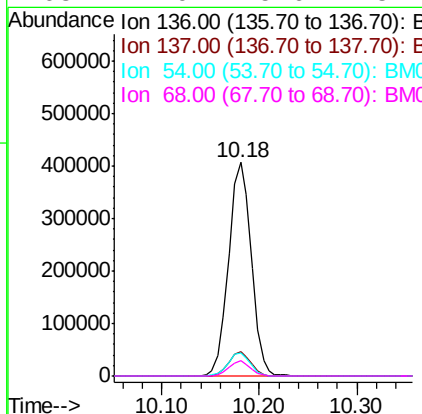
RT: 10.18 min Scan# 1240

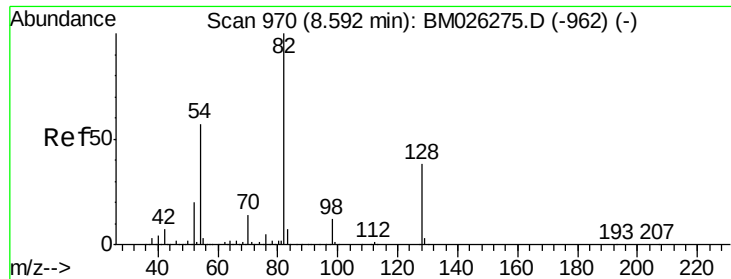
Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		655800		
137	11.2	8.6	13.0		
54	10.9	9.0	13.4		
68	7.0	5.6	8.4		





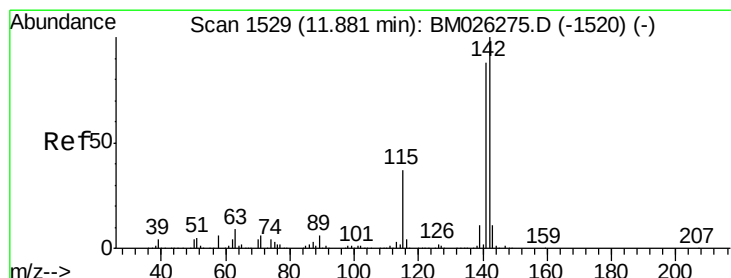
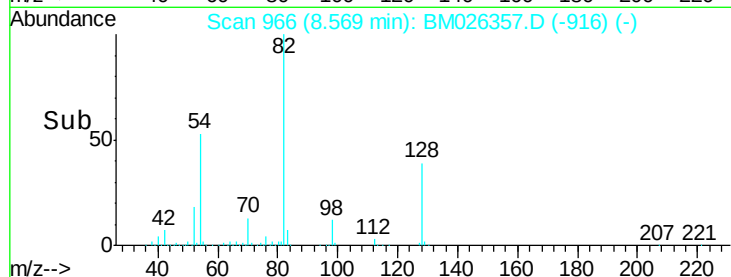
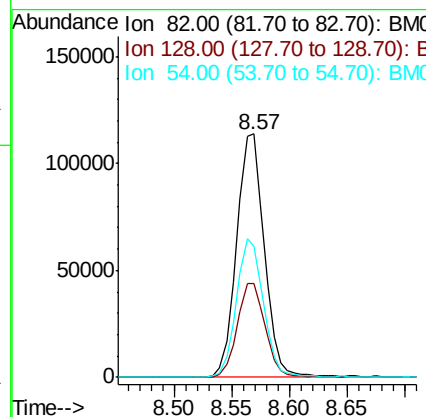
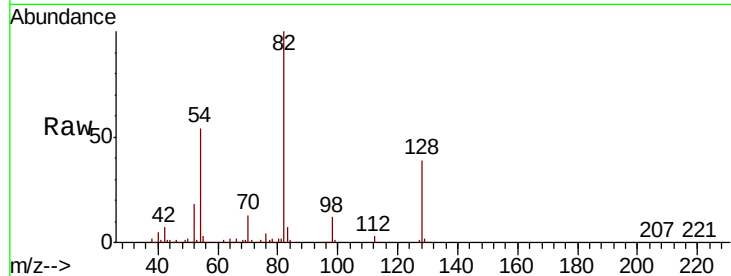
#23
 Nitrobenzene-d5
 Concen: 14.206 ng
 RT: 8.57 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BM026357.D
 Acq: 11 Jun 2020 15:46

Instrument :
 BNA_M
 ClientSampleId :
 600472986RE

Tot Ion	Ratio	Resp	Lower	Upper
82	100	189742		
128	38.6	30.3	45.5	
54	53.5	45.4	68.2	

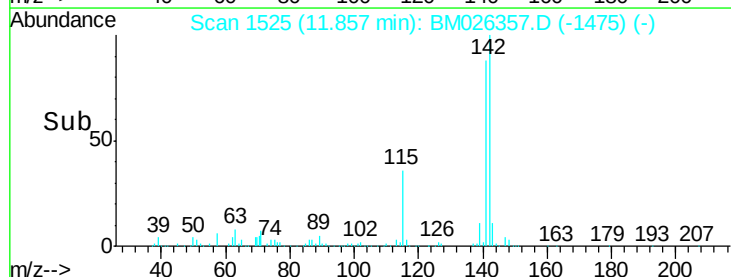
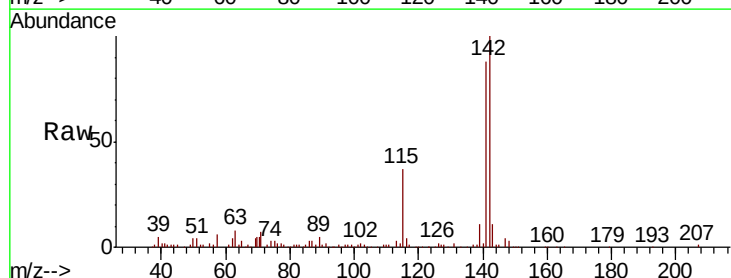
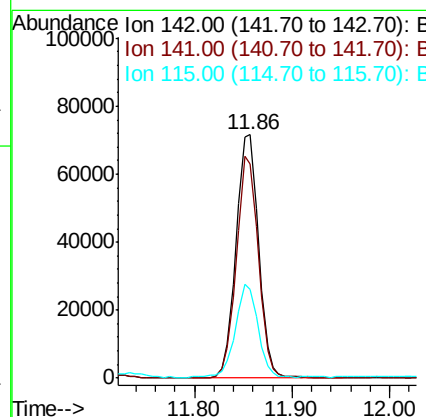
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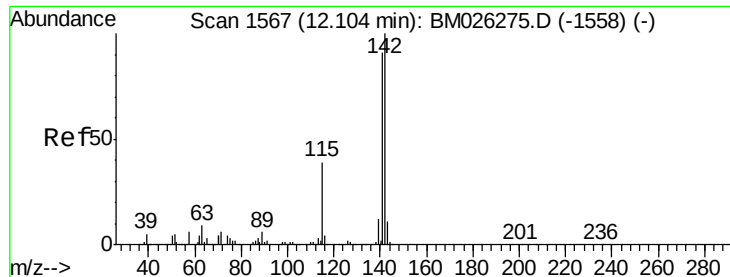
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#37
 2-Methylnaphthalene
 Concen: 4.906 ng
 RT: 11.86 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BM026357.D
 Acq: 11 Jun 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	115530		
141	88.0	70.7	106.1	
115	36.7	29.7	44.5	





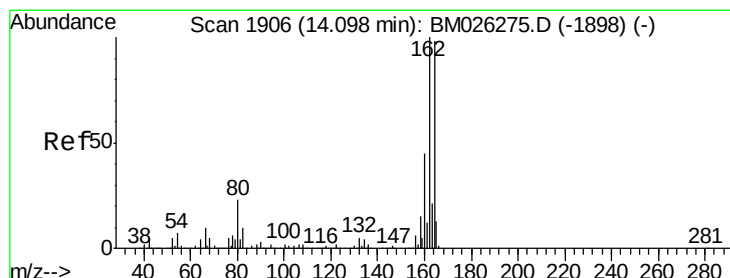
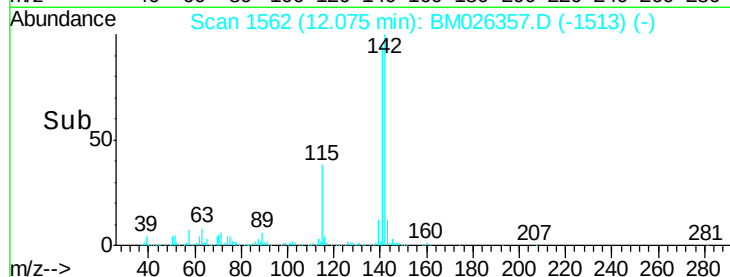
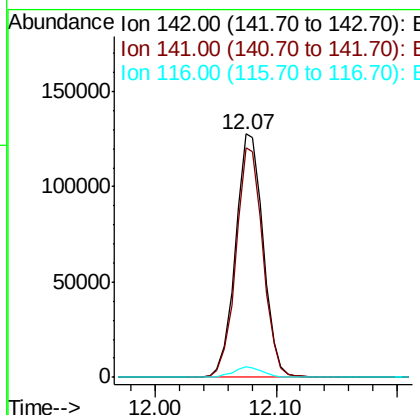
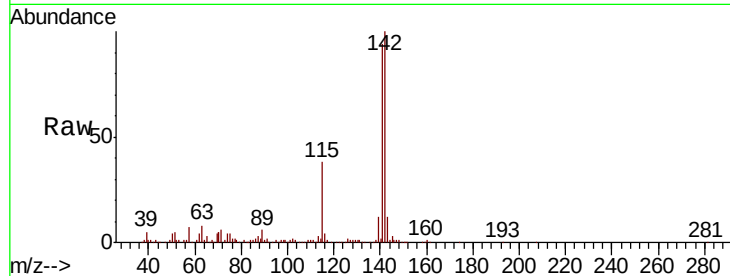
#38
1-Methylnaphthalene
Concen: 9.124 ng
RT: 12.07 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Instrument :
BNA_M
ClientSampleId :
600472986RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.1	109.7
116	4.2	3.4	5.0

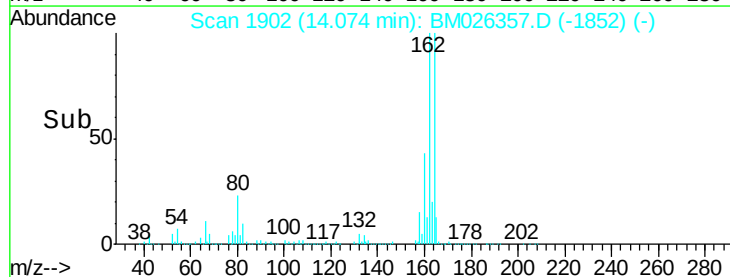
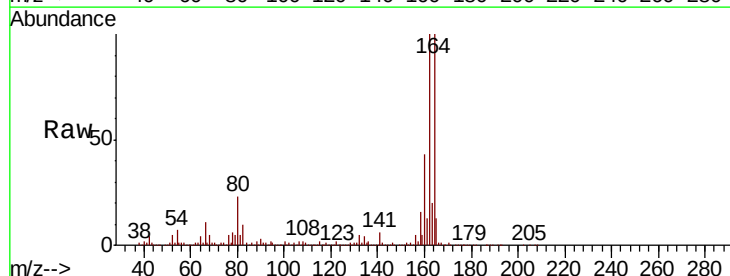
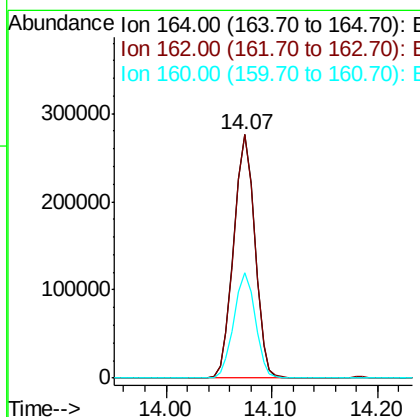
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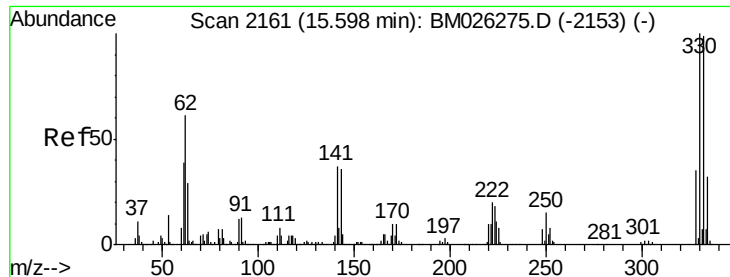
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.4	122.2
160	43.3	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 18.549 ng

RT: 15.57 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Instrument :

BNA_M

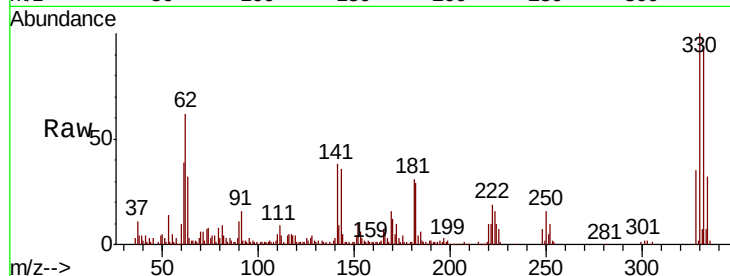
ClientSampleId :

600472986RE

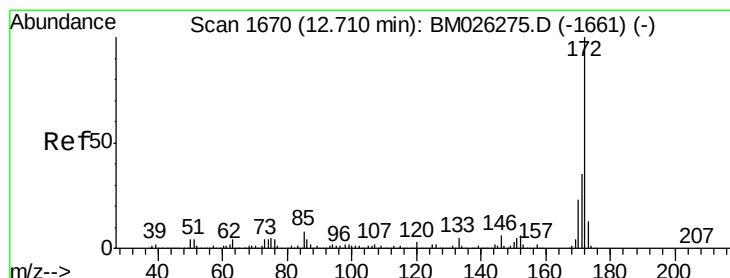
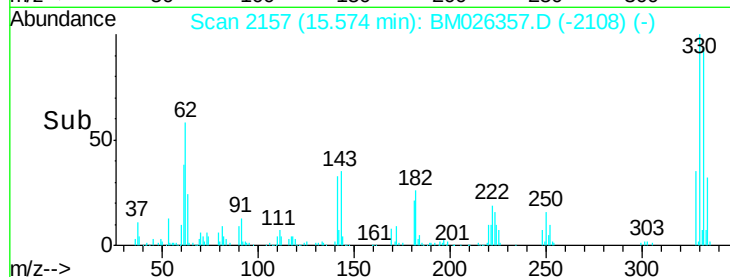
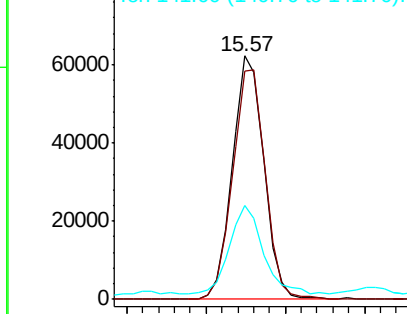
Tot Ion:	330	Resp:	85717
Ion Ratio	Lower	Upper	
330	100		
332	97.5	78.1	117.1
141	40.3	30.0	45.0

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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: 15.703 ng

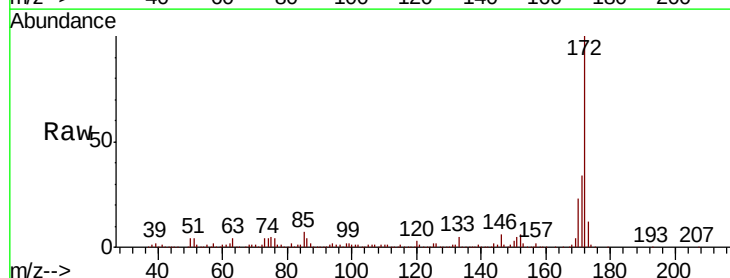
RT: 12.68 min Scan# 1665

Delta R.T. -0.01 min

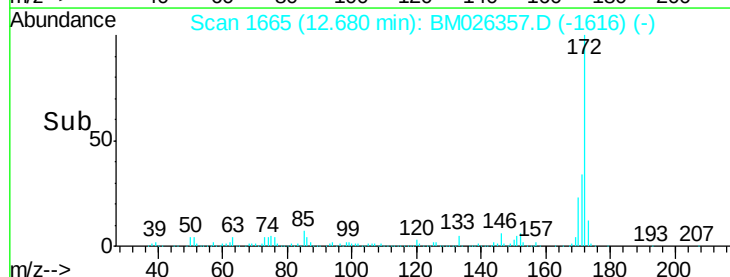
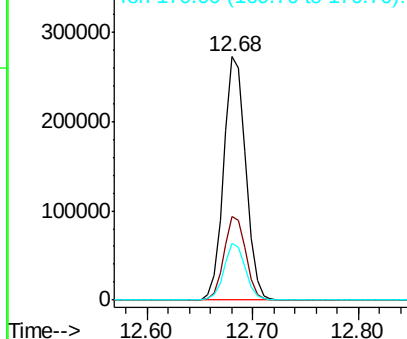
Lab File: BM026357.D

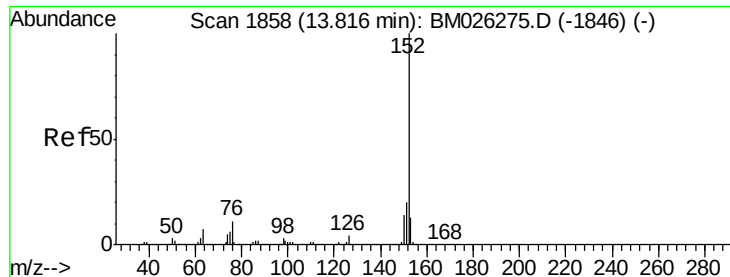
Acq: 11 Jun 2020 15:46

Tgt Ion:	172	Resp:	394622
Ion Ratio	Lower	Upper	
172	100		
171	34.4	28.2	42.2
170	23.1	18.3	27.5



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





#49

Acenaphthylene

Concen: 2.239 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Instrument :

BNA_M

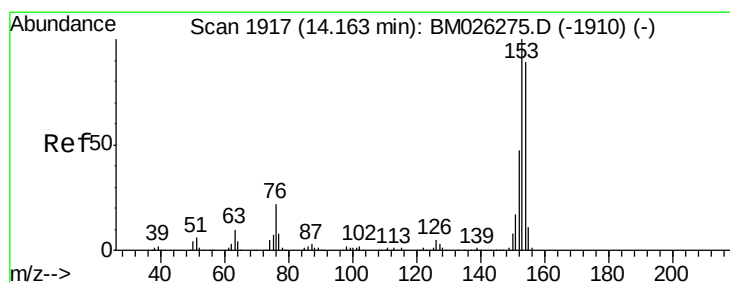
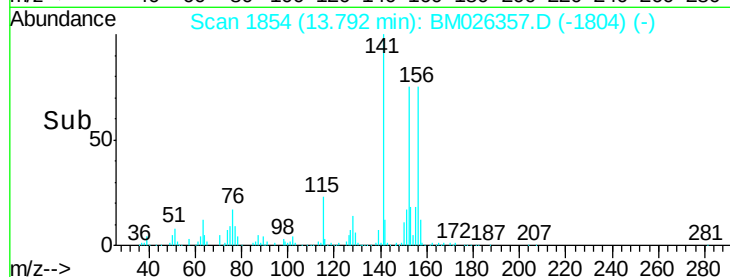
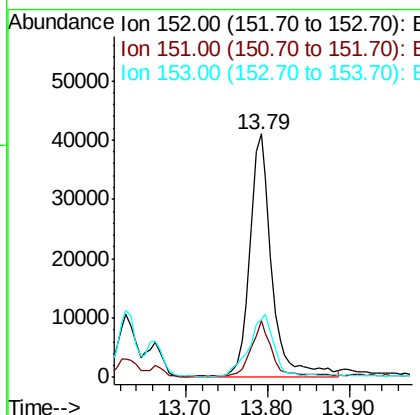
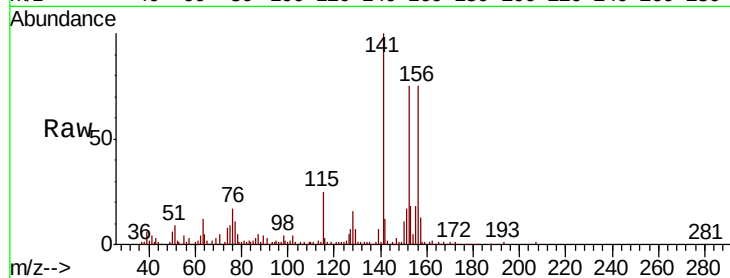
ClientSampleId :

600472986RE

Tot Ion:	152	Resp:	77787
Ion Ratio	Lower	Upper	
152	100		
151	23.3	15.7	23.5
153	23.8	10.2	15.4

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#52

Acenaphthene

Concen: 21.263 ng

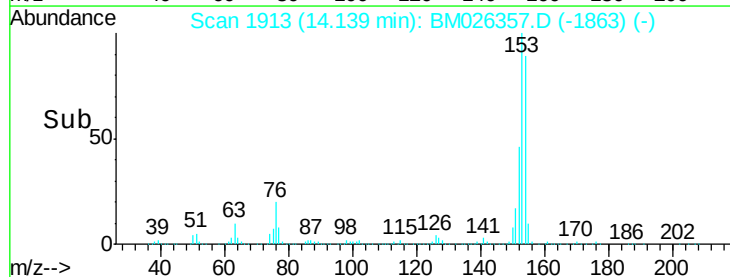
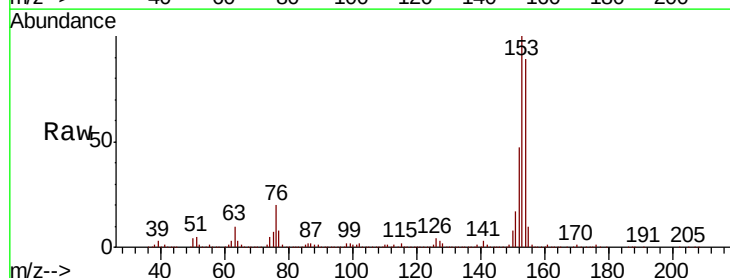
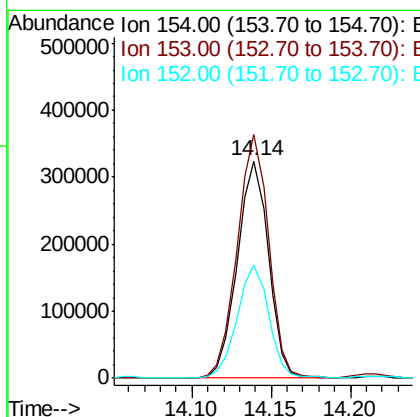
RT: 14.14 min Scan# 1913

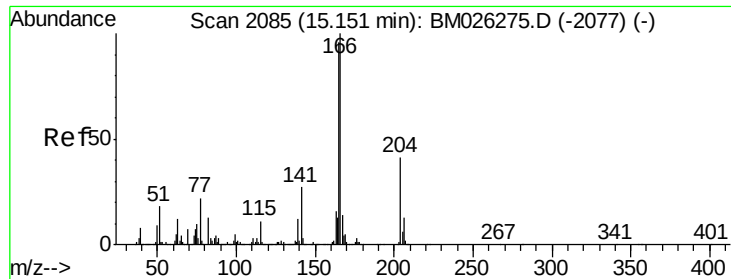
Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Tgt Ion:	154	Resp:	443531
Ion Ratio	Lower	Upper	
154	100		
153	112.0	89.6	134.4
152	52.3	42.1	63.1





#58

Fluorene

Concen: 12.051 ng

RT: 15.13 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Instrument :

BNA_M

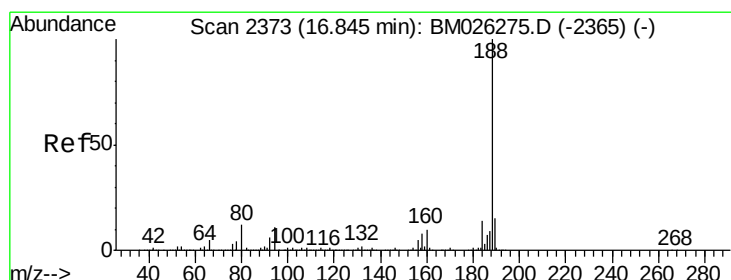
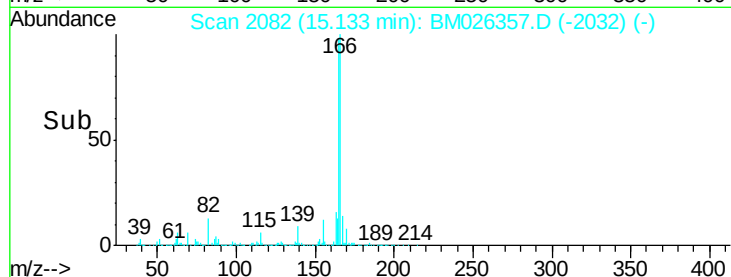
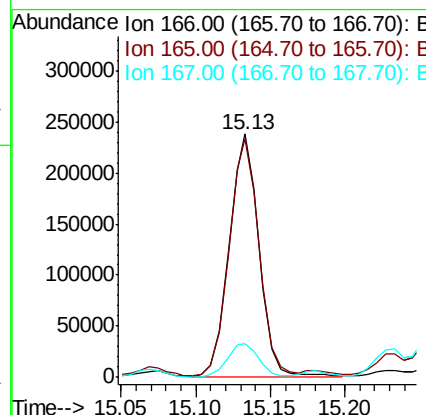
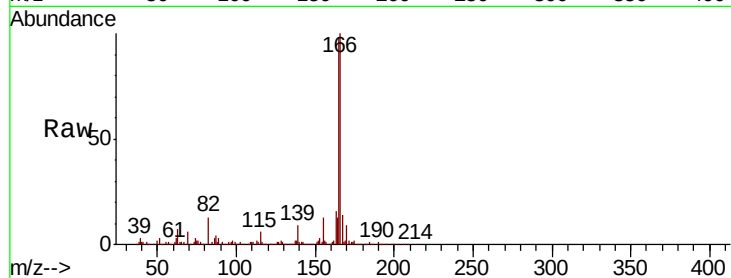
ClientSampleId :

600472986RE

Tot Ion:	166	Resp:	328979
Ion Ratio	Lower	Upper	
166	100		
165	97.9	76.7	115.1
167	14.0	11.0	16.4

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#64

Phenanthrene-d10

Concen: 20.000 ng

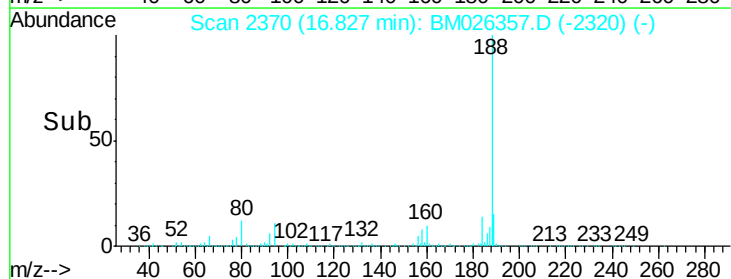
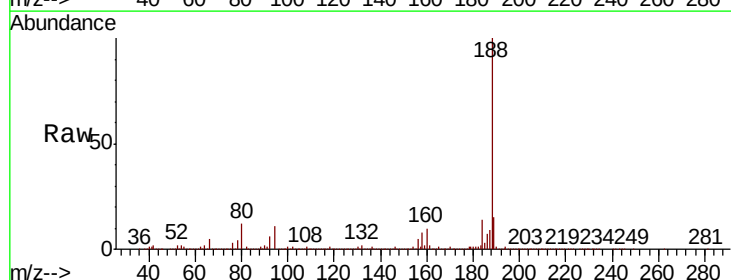
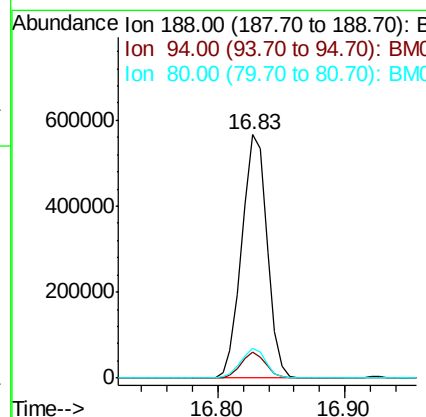
RT: 16.83 min Scan# 2370

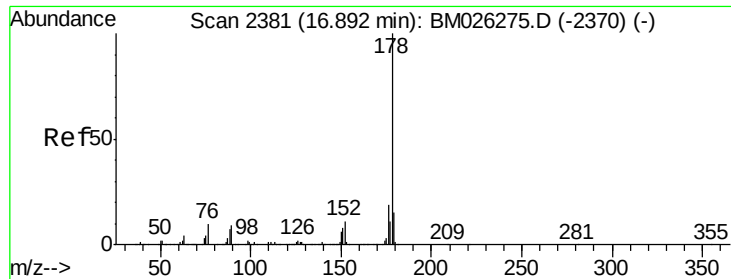
Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Tgt Ion:	188	Resp:	781029
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.6	12.8
80	12.3	9.7	14.5





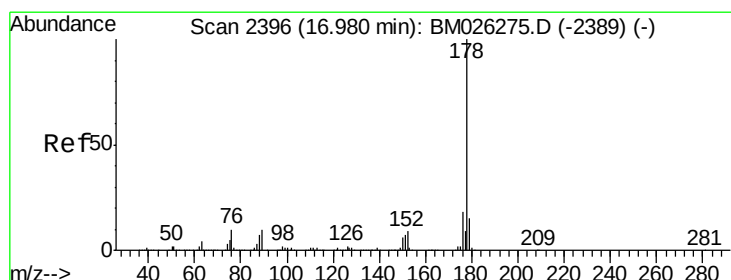
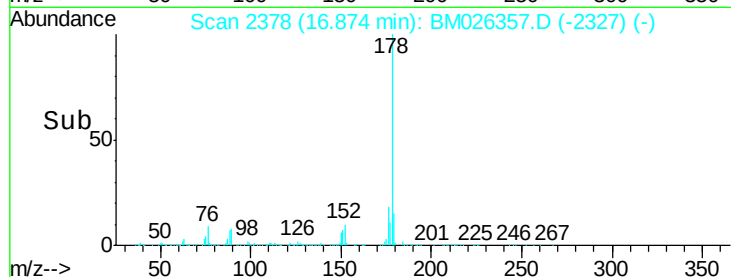
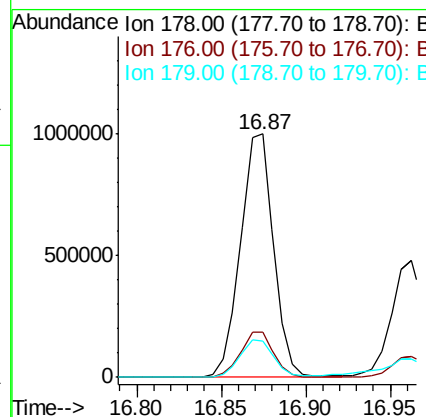
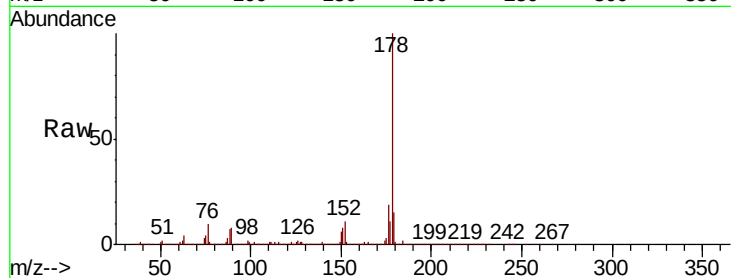
#71
Phenanthrene
Concen: 33.358 ng
RT: 16.87 min Scan# 2378
Delta R.T. -0.00 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Instrument :
BNA_M
ClientSampled :
600472986RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.0	12.0	18.0

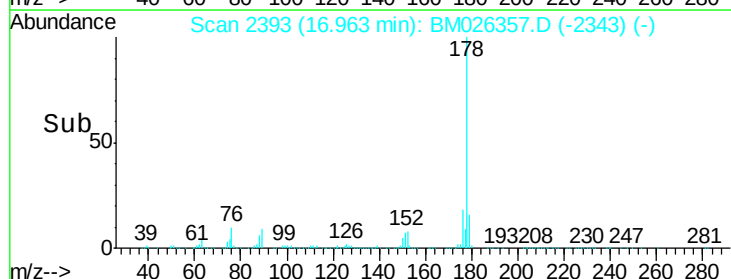
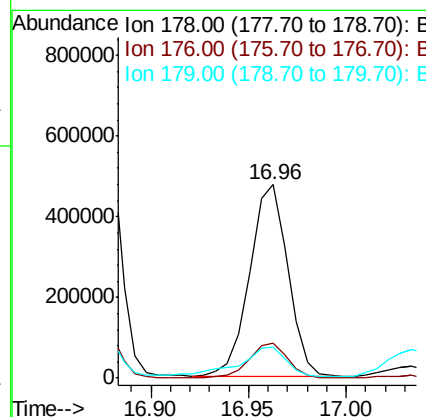
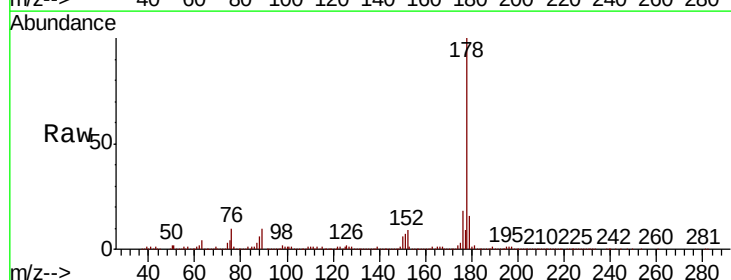
Manual Integrations
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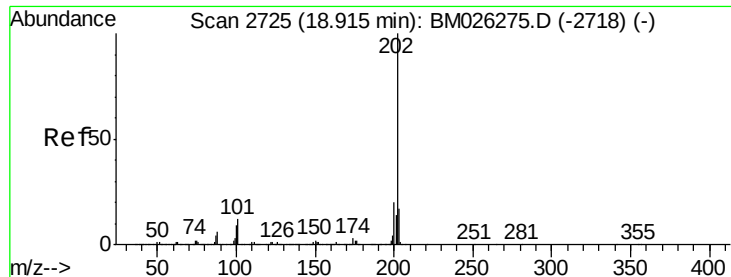
mohammad
6/15/2020 8:43:24 AM



#72
Anthracene
Concen: 15.855 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	16.0	12.2	18.4





#75

Fluoranthene

Concen: 71.186 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.00 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Instrument :

BNA_M

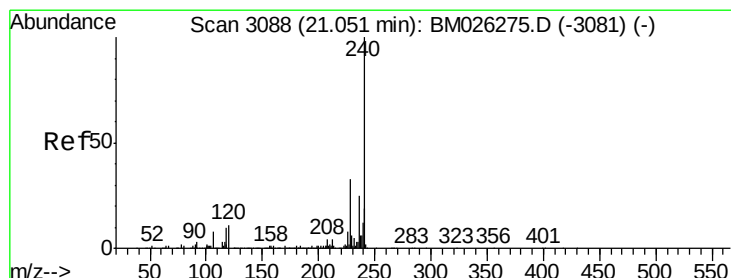
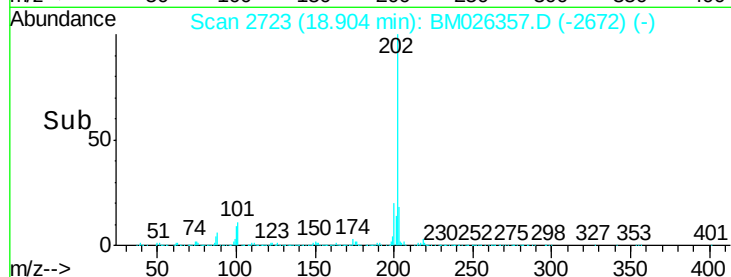
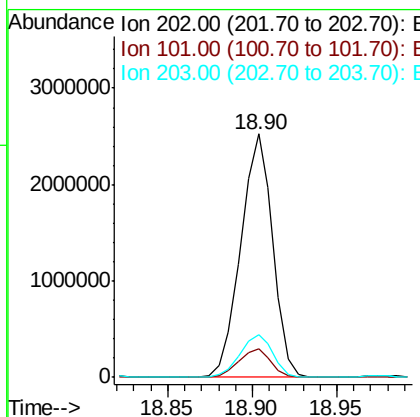
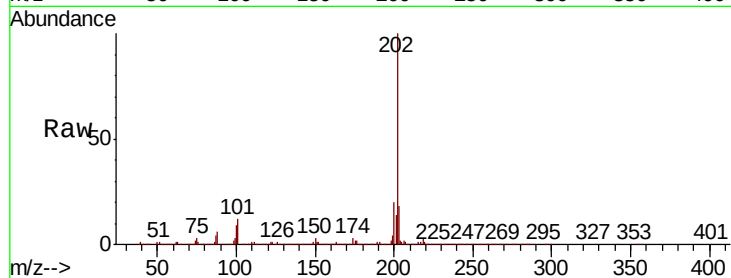
ClientSampleId :

600472986RE

Tot Ion:	202	Resp:	3319431
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.6
203	17.8	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

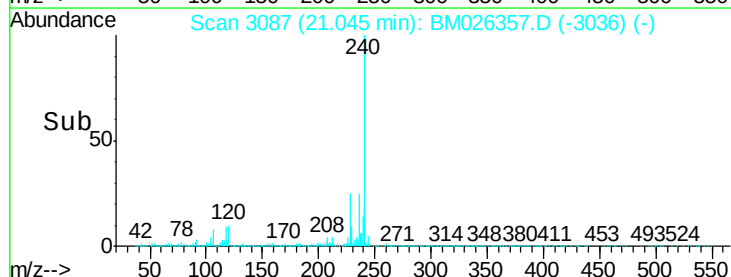
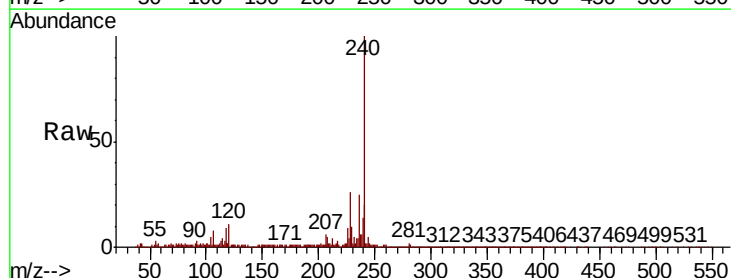
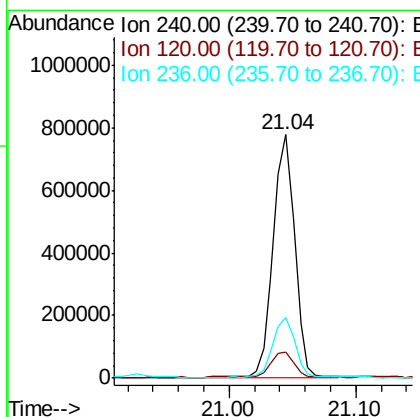
RT: 21.04 min Scan# 3087

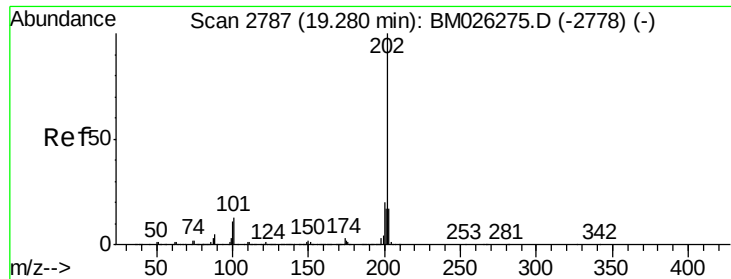
Delta R.T. -0.00 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Tgt Ion:	240	Resp:	916629
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.1	19.7	29.5





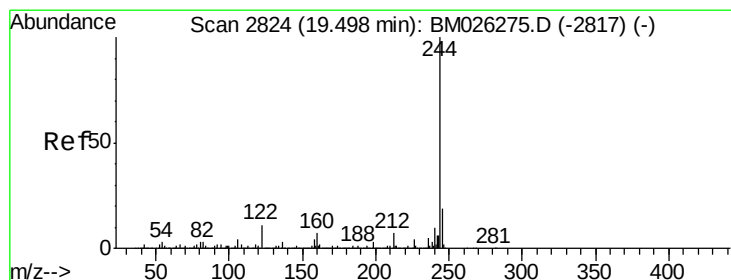
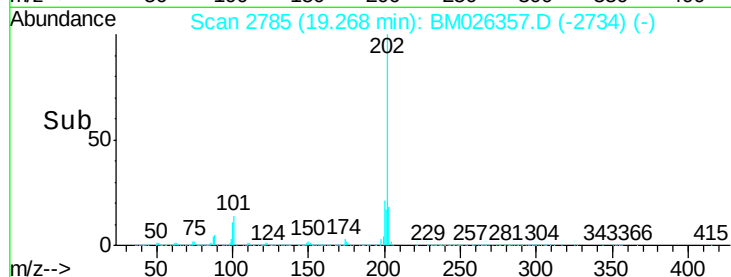
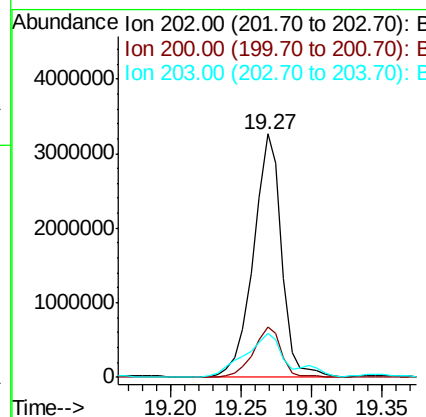
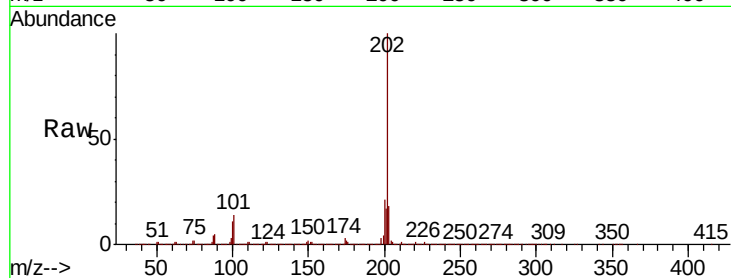
#78
Pvrene
Concen: 75.465 ng
RT: 19.27 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Instrument :
BNA_M
ClientSampleId :
600472986RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.4
203	18.2	13.8	20.8

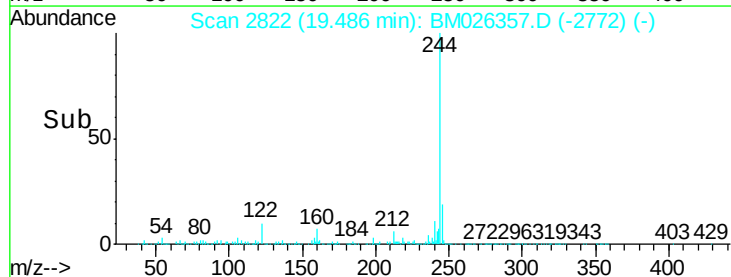
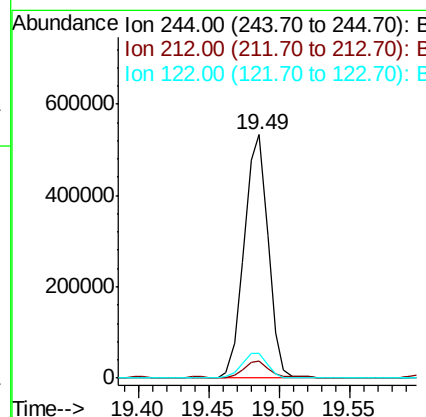
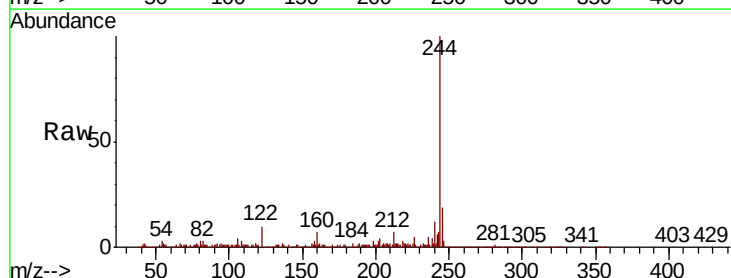
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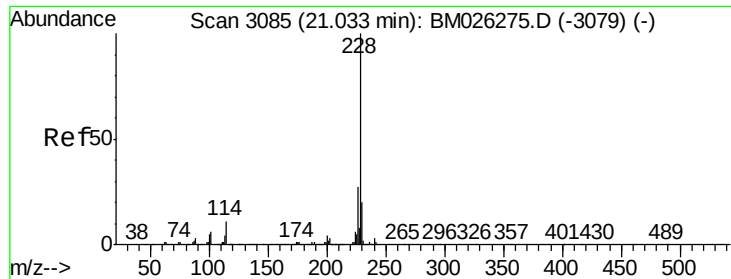
mohammad
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#79
Terphenyl-d14
Concen: 13.394 ng
RT: 19.49 min Scan# 2822
Delta R.T. -0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.9	9.1	13.7





#81

Benzo(a)anthracene

Concen: 30.528 ng

RT: 21.03 min Scan# 3084

Delta R.T. 0.00 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Instrument :

BNA_M

ClientSampleId :

600472986RE

Tot Ion:228 Resp: 1679643

Ion Ratio Lower Upper

228 100

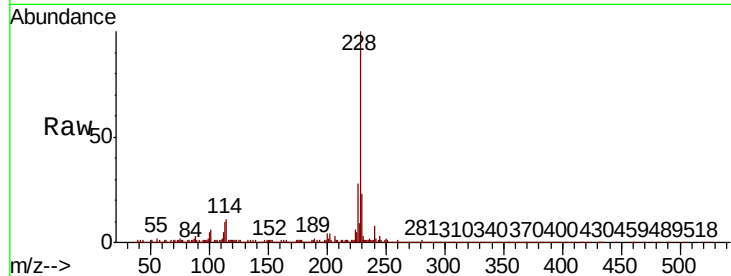
226 27.6 21.7 32.5

229 22.6 15.9 23.9

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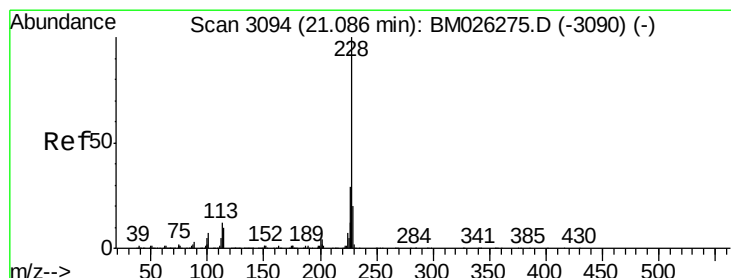
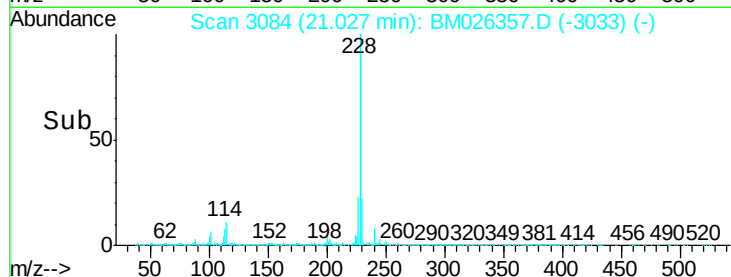
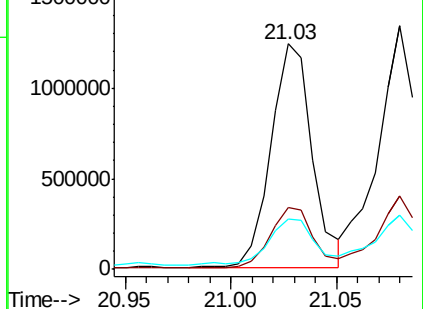
6/15/2020 8:43:24 AM



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: 32.552 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Tgt Ion:228 Resp: 1706739

Ion Ratio Lower Upper

228 100

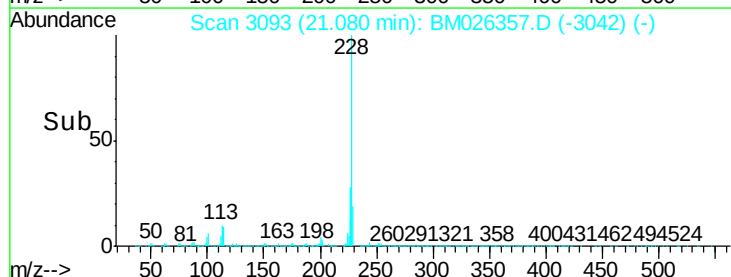
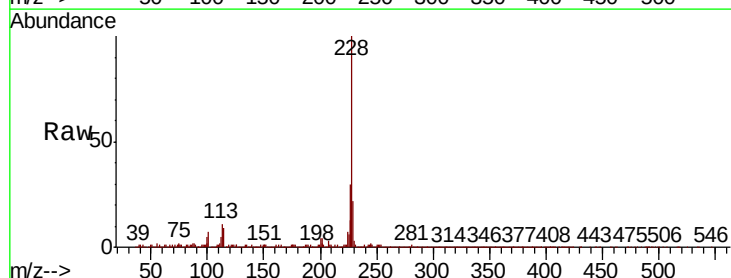
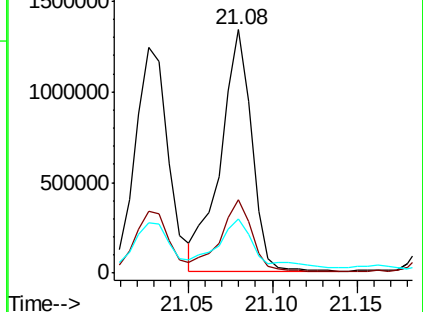
226 30.1 23.5 35.3

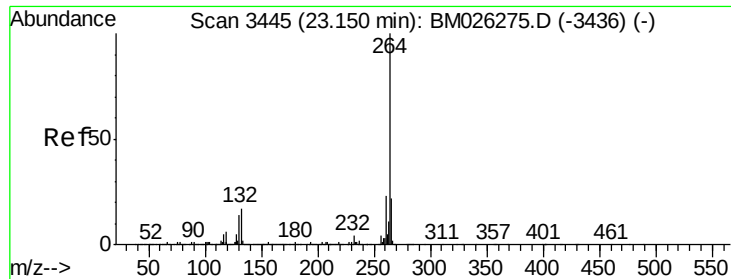
229 22.3 15.8 23.6

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





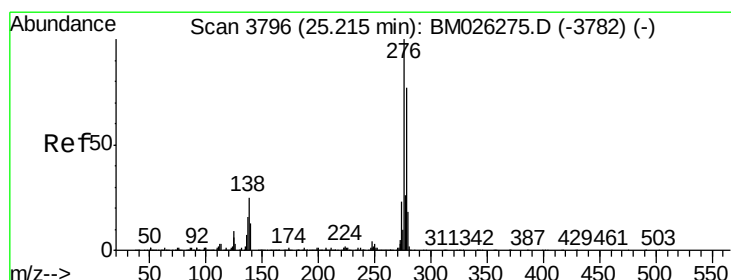
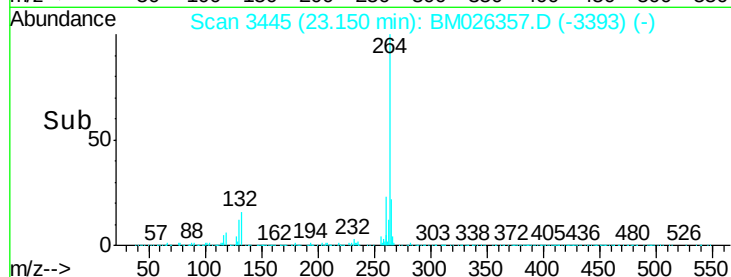
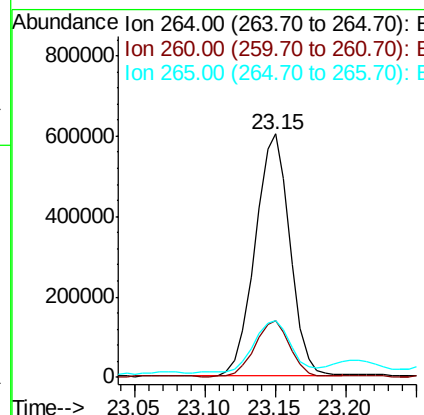
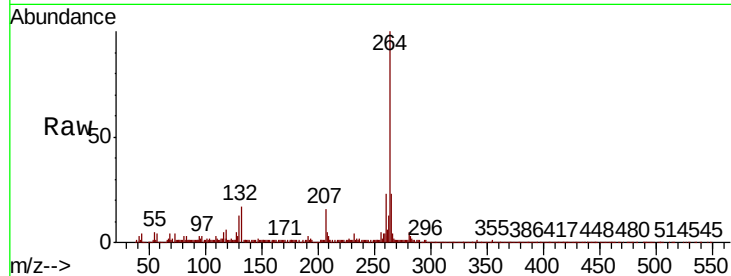
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. 0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Instrument :
BNA_M
ClientSampleId :
600472986RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	23.3	18.2	27.2

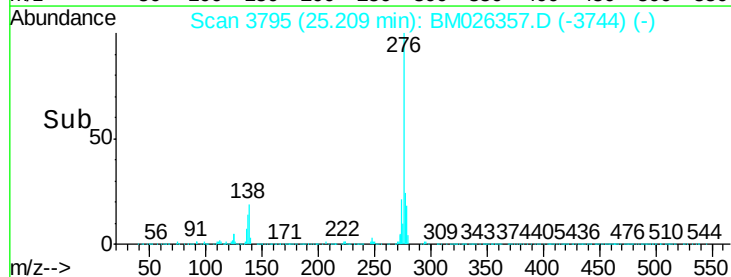
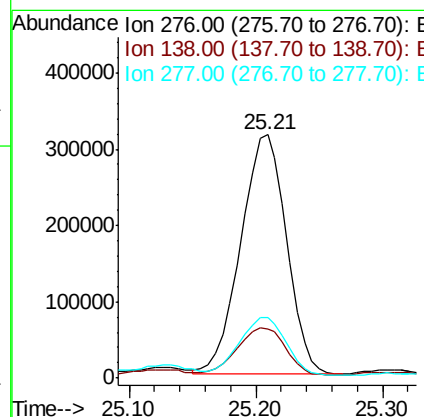
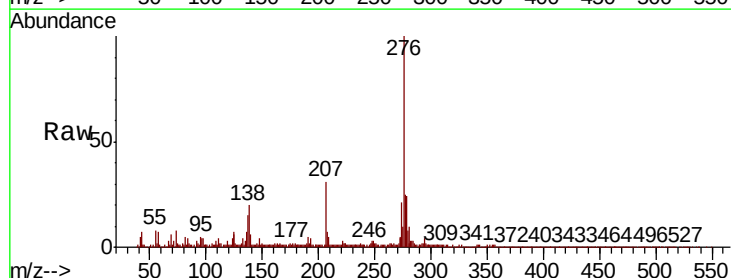
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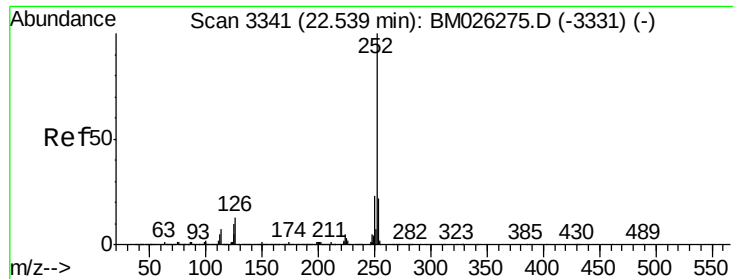
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 13.026 ng
RT: 25.21 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.8	29.8
277	24.3	20.2	30.2





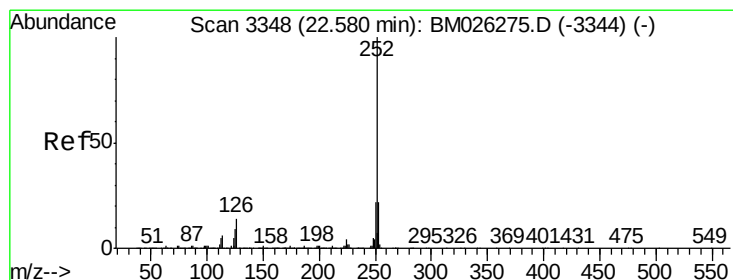
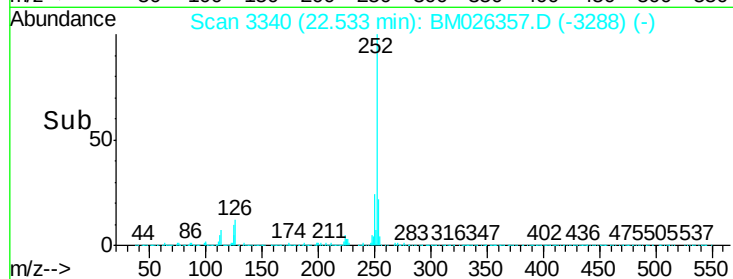
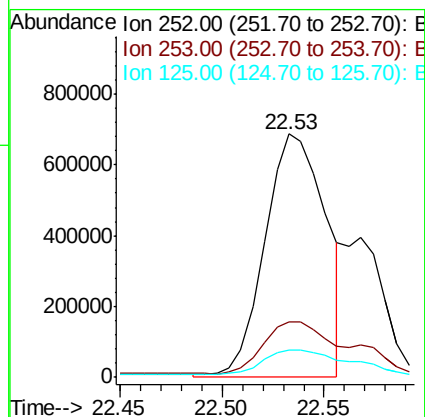
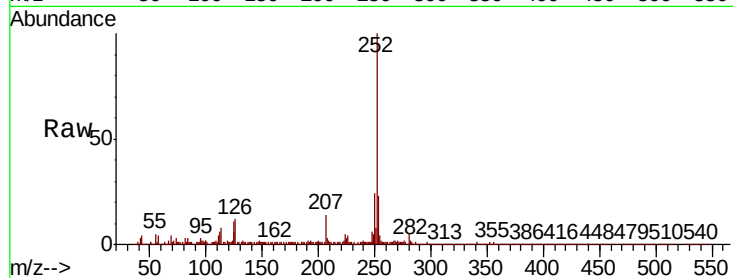
#88
Benzo(b)fluoranthene
Concen: 22.916 ng m
RT: 22.53 min Scan# 3340
Delta R.T. 0.01 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Instrument :
BNA_M
ClientSampleId :
600472986RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	11.2	7.9	11.9

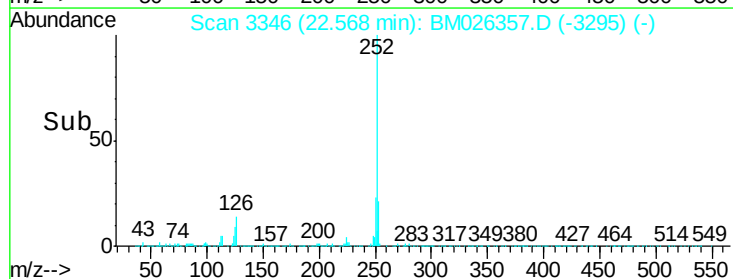
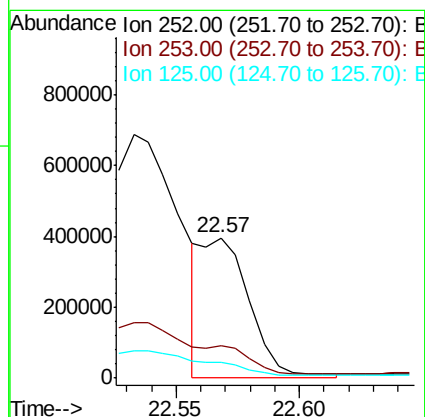
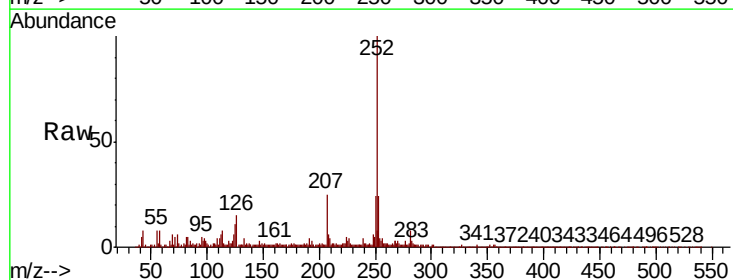
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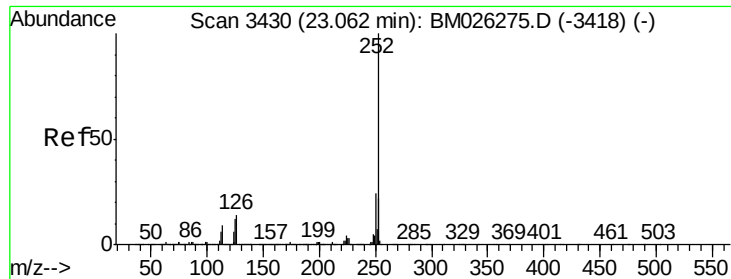
mohammad
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#89
Benzo(k)fluoranthene
Concen: 8.777 ng m
RT: 22.57 min Scan# 3346
Delta R.T. -0.00 min
Lab File: BM026357.D
Acq: 11 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	11.3	7.8	11.6





#90

Benzo(a)pyrene

Concen: 25.789 ng

RT: 23.06 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Instrument :

BNA_M

ClientSampleId :

600472986RE

Tot Ion:252 Resp: 1435254

Ion Ratio Lower Upper

252 100

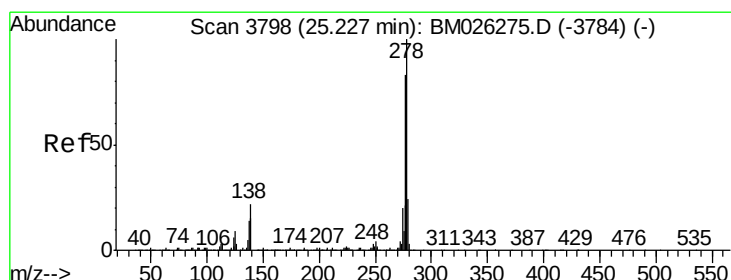
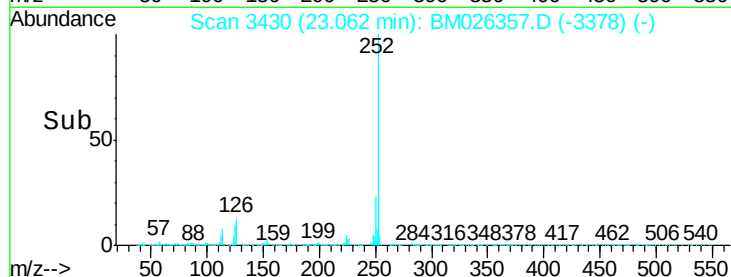
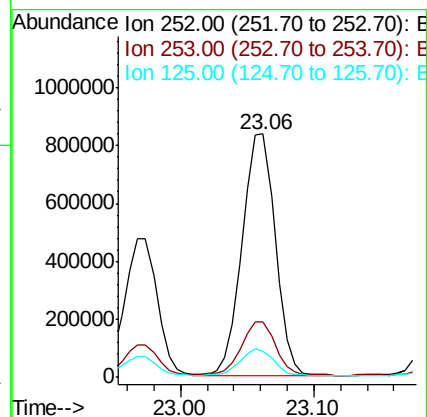
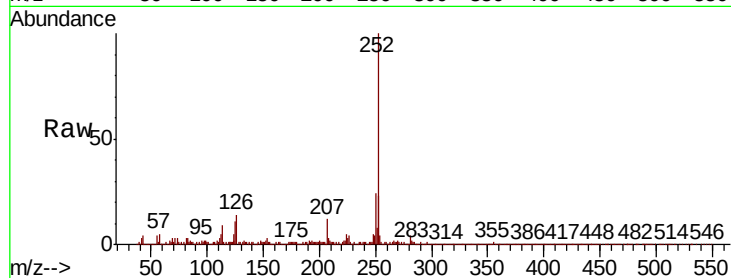
253 22.8 17.5 26.3

125 10.9 9.4 14.0

Manual Integrations
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#91

Dibenzo(a,h)anthracene

Concen: 4.127 ng

RT: 25.21 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

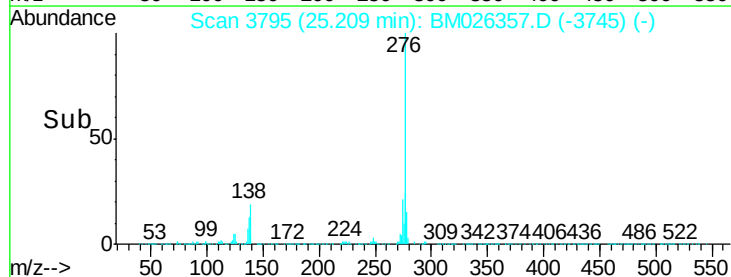
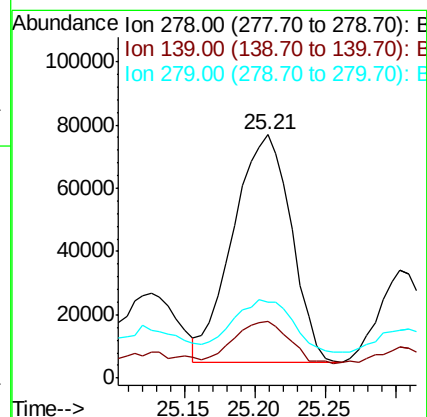
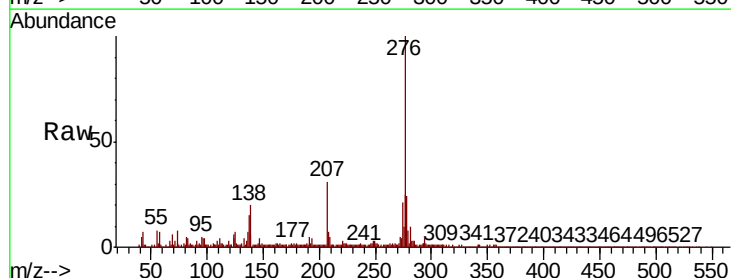
Tgt Ion:278 Resp: 207615

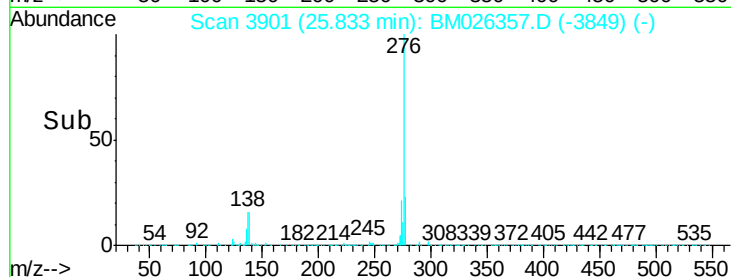
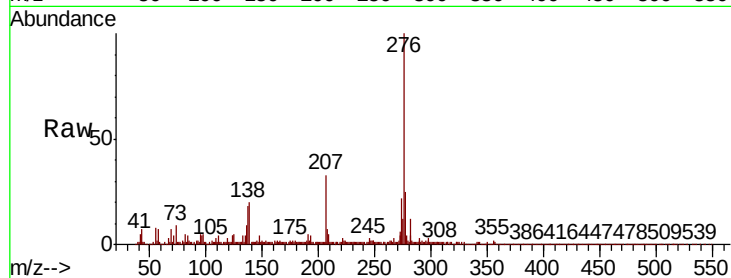
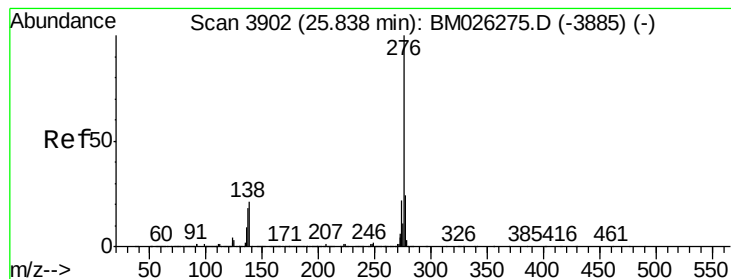
Ion Ratio Lower Upper

278 100

139 23.3 11.9 17.9#

279 31.2 19.0 28.4#





#92

Benzo(a,h,i)perylene

Concen: 17.526 ng

RT: 25.83 min Scan# 3901

Delta R.T. 0.01 min

Lab File: BM026357.D

Acq: 11 Jun 2020 15:46

Tot Ion:	276	Resp:	838973
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.3	28.9
138	19.9	16.5	24.7

Instrument :

BNA_M

ClientSampleId :

600472986RE

Manual Integrations
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