

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040420\
 Data File : BM025928.D
 Acq On : 04 Apr 2020 00:48
 Operator : CG/JU
 Sample : L2062-07DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F3E06DL

Manual Integrations
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 4/6/2020 1:41:29 PM

Quant Time: Apr 04 02:02:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM040220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 03 22:53:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	4447	0.40	ng/ul	0.00
2) Naphthalene-d8	10.33	136	19810	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	13096	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	30475	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	30483	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	26945	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	1604	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	4883	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.38	128	1184	0.020	ng/ul#	83
7) Acenaphthylene	13.92	152	19598	0.350	ng/ul	99
8) Acenaphthene	14.26	153	2153	0.046	ng/ul	97
9) Fluorene	15.25	166	5179	0.090	ng/ul	98
12) Phenanthrene	16.99	178	19853	0.207	ng/ul	99
13) Anthracene	17.08	178	436002	5.140	ng/ul	99
15) Fluoranthene	19.01	202	790037	6.660	ng/ul	99
17) Pyrene	19.37	202	1310147	12.001	ng/ul	99
18) Benzo(a)anthracene	21.12	228	851363	7.813	ng/ul	99
19) Chrysene	21.18	228	1309946	11.014	ng/ul	99
21) Benzo(b)fluoranthene	22.65	252	1260636m	12.713	ng/ul	
22) Benzo(k)fluoranthene	22.69	252	418317m	3.934	ng/ul	
23) Benzo(a)pyrene	23.19	252	530097	5.982	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.40	276	192247	1.620	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.40	278	58021	0.586	ng/ul	98
26) Benzo(a,h,i)perylene	26.04	276	101439	1.010	ng/ul	99

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

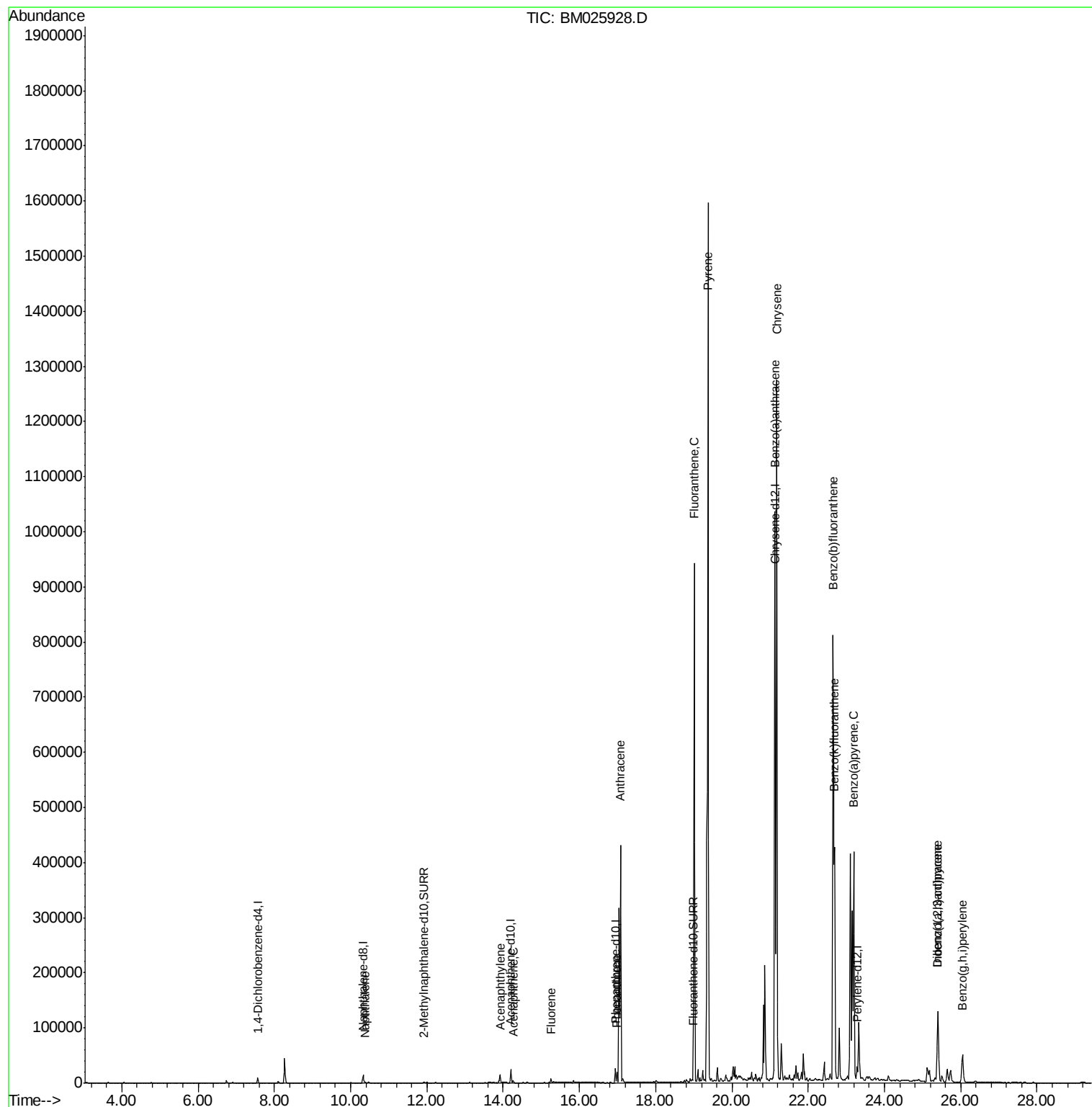
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040420\
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ALS Vial : 23 Sample Multiplier: 1

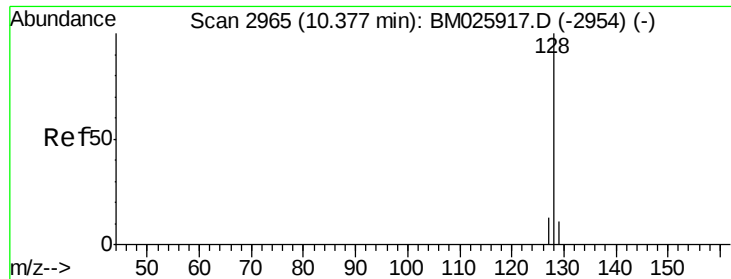
Instrument :
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Quant Time: Apr 04 02:02:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM040220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 03 22:53:21 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.020 ng/ul

RT: 10.38 min Scan# 2965

Delta R.T. -0.00 min

Lab File: BM025928.D

Acq: 04 Apr 2020 00:48

Instrument :

BNA_M

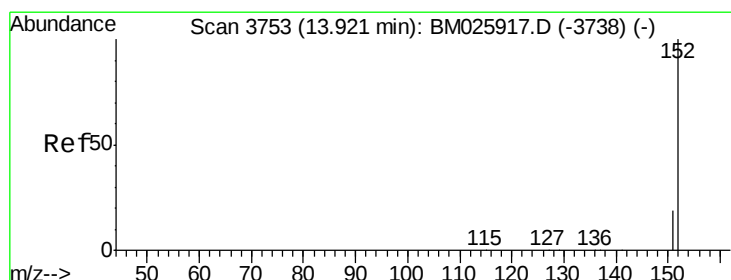
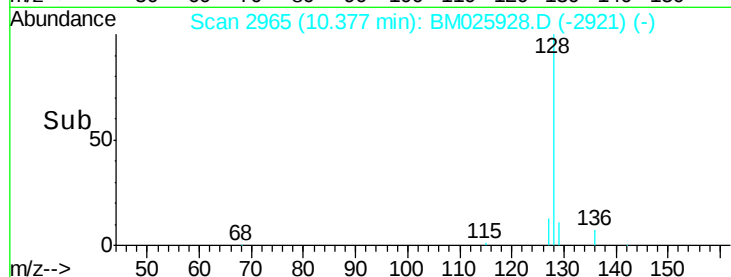
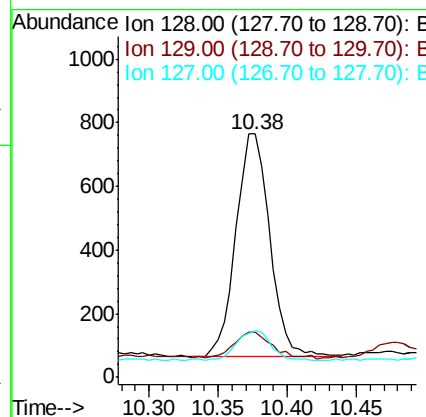
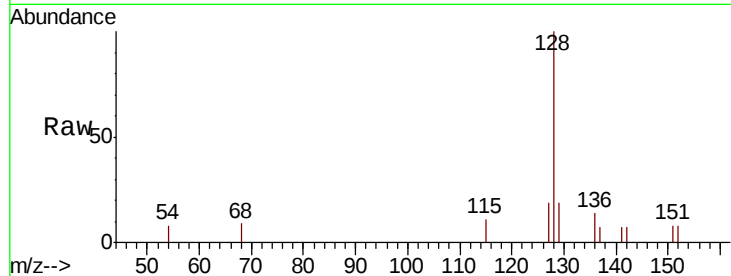
ClientSampleID :

F3E06DL

Tot Ion:	128	Resp:	1184
Ion Ratio	Lower	Upper	
128	100		
129	18.8	9.1	13.7#
127	19.2	10.7	16.1#

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#7

Acenaphthylene

Concen: 0.350 ng/ul

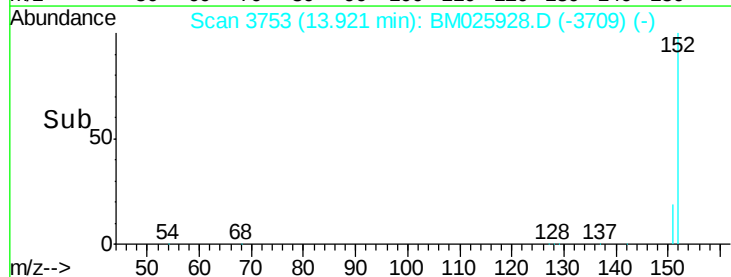
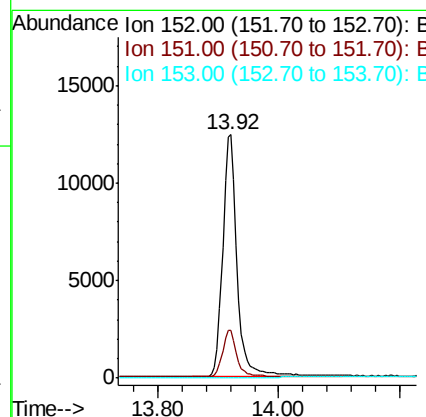
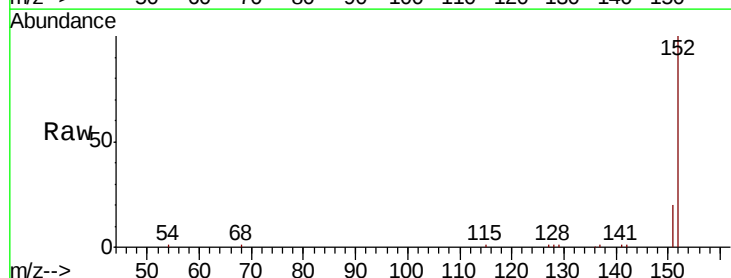
RT: 13.92 min Scan# 3753

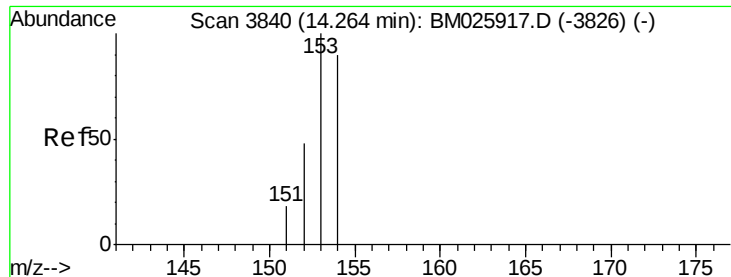
Delta R.T. -0.00 min

Lab File: BM025928.D

Acq: 04 Apr 2020 00:48

Tgt Ion:	152	Resp:	19598
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.1	24.1
153	0.0	0.0	0.0





#8

Acenaphthene

Concen: 0.046 ng/ul

RT: 14.26 min Scan# 3840

Delta R.T. -0.00 min

Lab File: BM025928.D

Acq: 04 Apr 2020 00:48

Instrument :

BNA_M

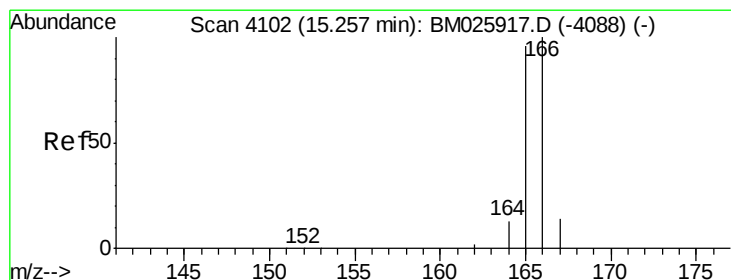
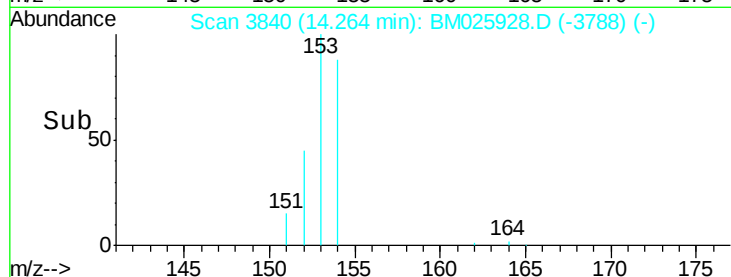
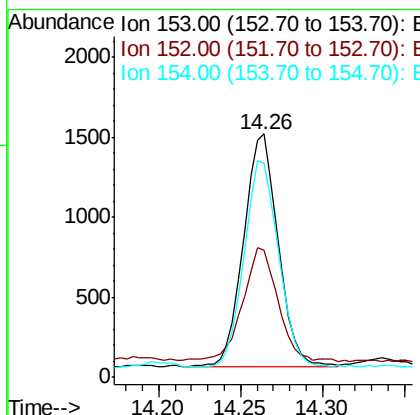
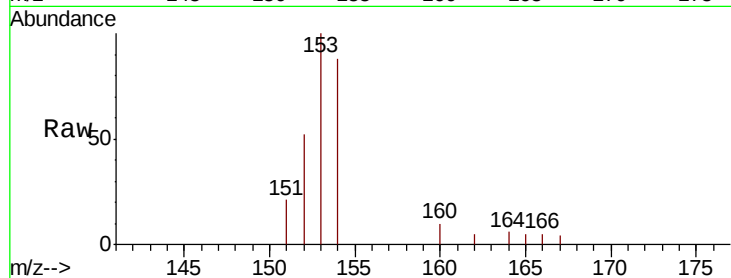
ClientSampleId :

F3E06DL

Tot Ion:	153	Resp:	2153
Ion	Ratio	Lower	Upper
153	100		
152	52.1	38.8	58.2
154	87.9	71.9	107.9

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#9

Fluorene

Concen: 0.090 ng/ul

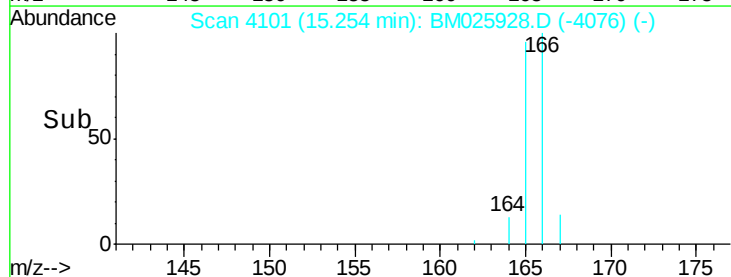
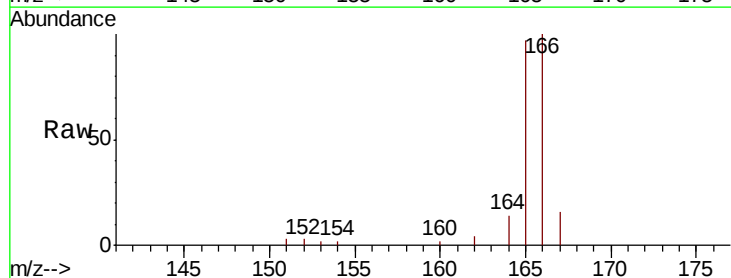
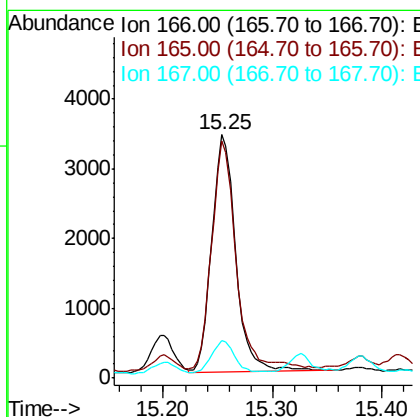
RT: 15.25 min Scan# 4101

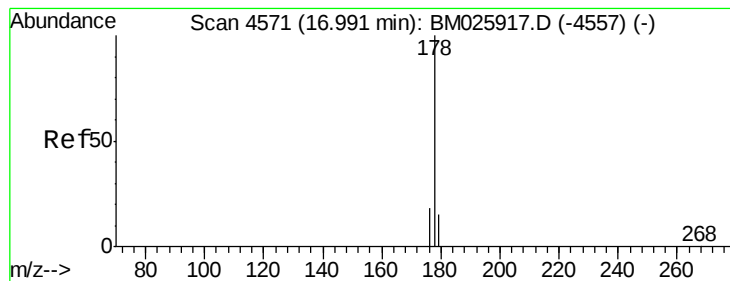
Delta R.T. -0.01 min

Lab File: BM025928.D

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Tgt Ion:	166	Resp:	5179
Ion	Ratio	Lower	Upper
166	100		
165	97.4	76.6	115.0
167	15.7	11.4	17.0





#12

Phenanthrene

Concen: 0.207 ng/ul

RT: 16.99 min Scan# 4570

Delta R.T. -0.00 min

Lab File: BM025928.D

Acq: 04 Apr 2020 00:48

Instrument :

BNA_M

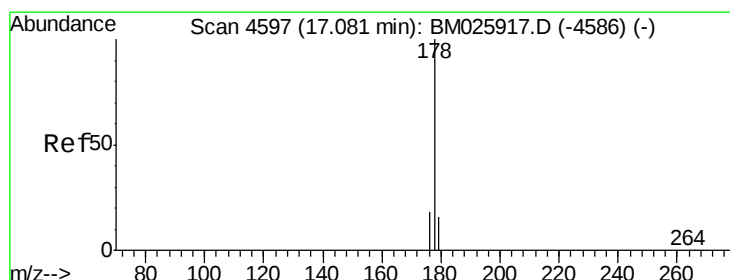
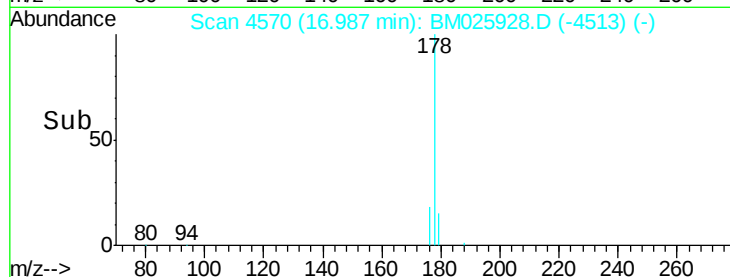
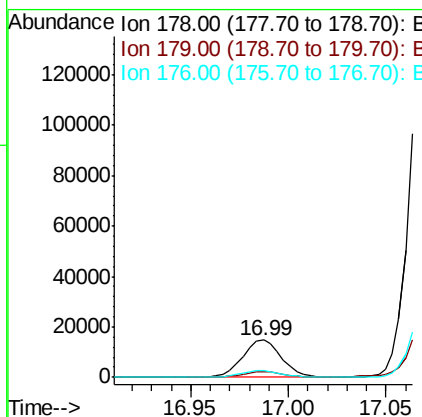
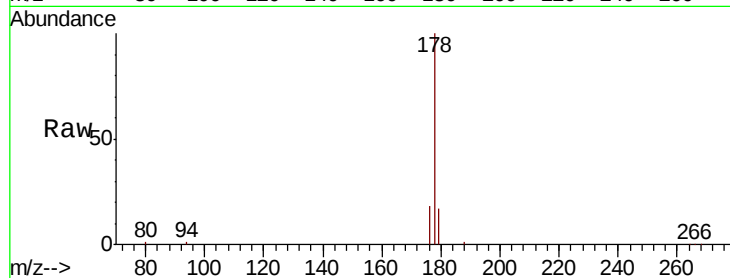
ClientSampleId :

F3E06DL

Tot Ion:178	Resp:	19853
Ion Ratio	Lower	Upper
178	100	
179	16.6	12.8 19.2
176	18.3	15.1 22.7

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#13

Anthracene

Concen: 5.140 ng/ul

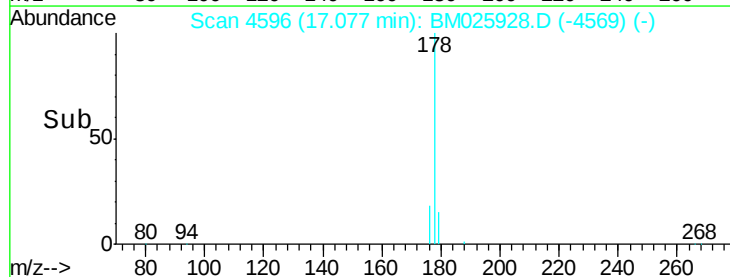
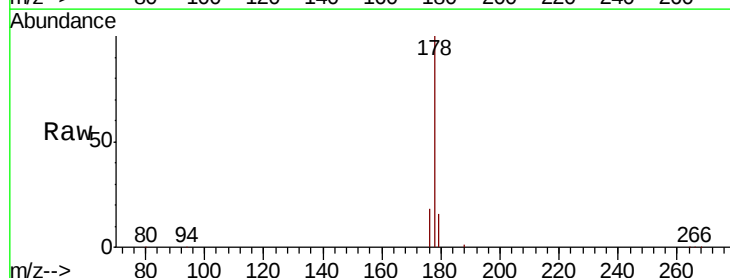
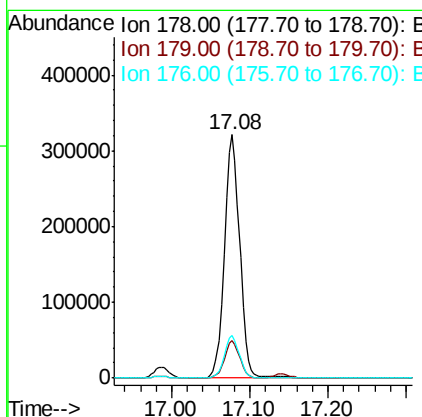
RT: 17.08 min Scan# 4596

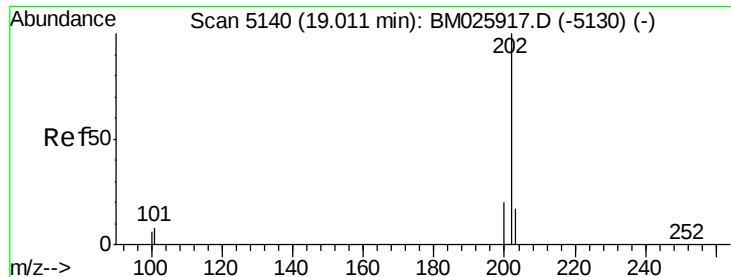
Delta R.T. -0.01 min

Lab File: BM025928.D

Acq: 04 Apr 2020 00:48

Tgt Ion:178	Resp:	436002
Ion Ratio	Lower	Upper
178	100	
179	15.5	12.8 19.2
176	17.6	14.5 21.7





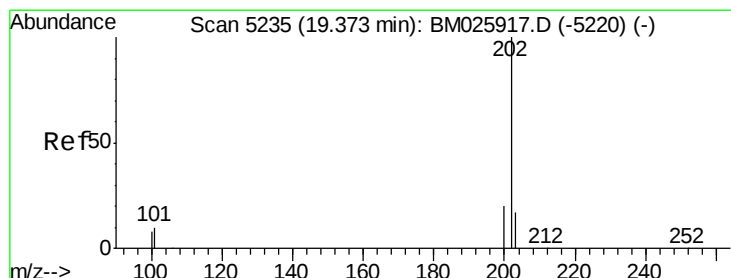
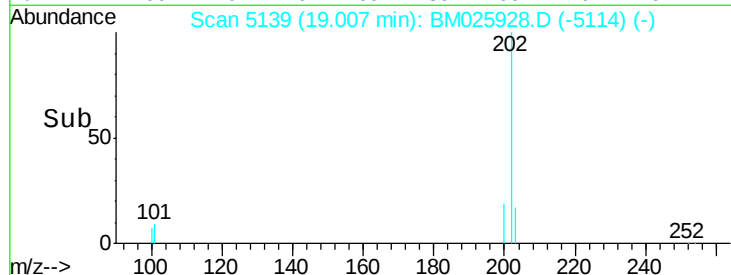
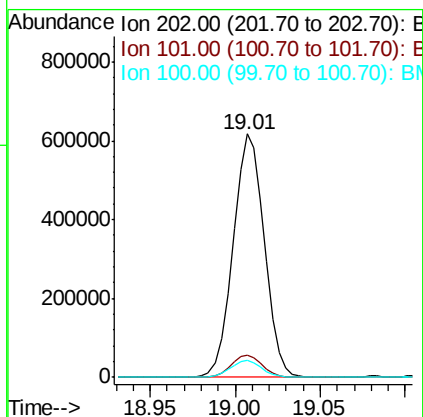
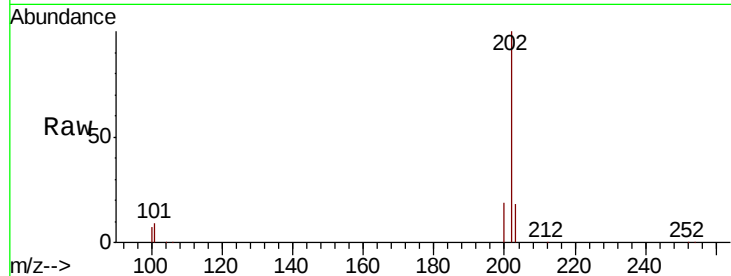
#15
Fluoranthene
 Concen: 6.660 ng/ul
 RT: 19.01 min Scan# 5139
 Delta R.T. -0.01 min
 Lab File: BM025928.D
 Acq: 04 Apr 2020 00:48

Instrument :
 BNA_M
 ClientSampleId :
 F3E06DL

Tot Ion:	202	Resp:	790037
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	28.6
100	6.8	0.0	27.0

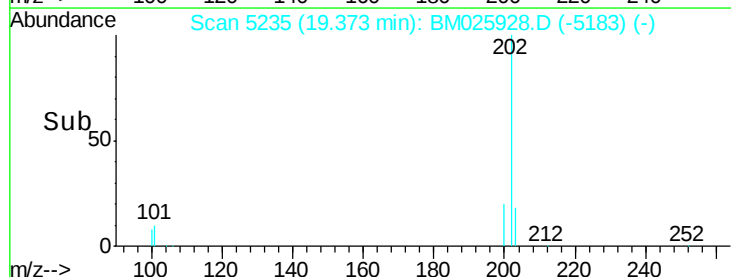
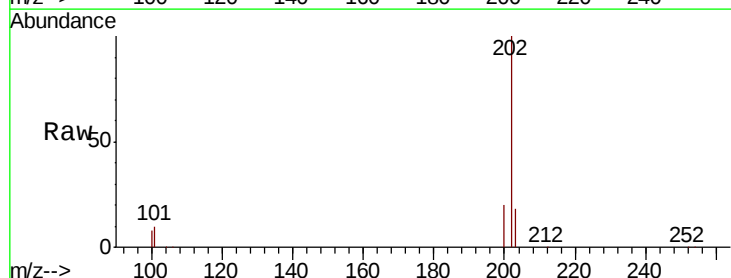
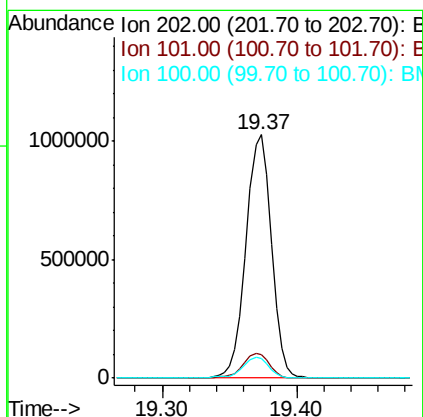
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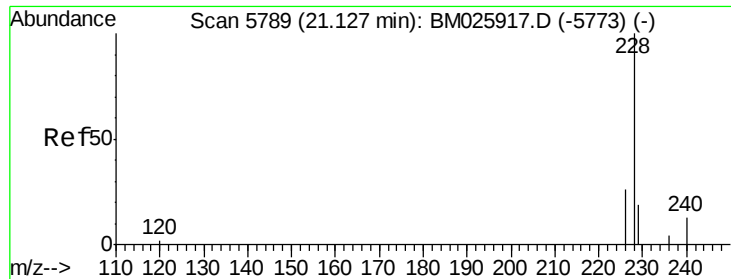
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#17
Pyrene
 Concen: 12.001 ng/ul
 RT: 19.37 min Scan# 5235
 Delta R.T. -0.00 min
 Lab File: BM025928.D
 Acq: 04 Apr 2020 00:48

Tgt Ion:	202	Resp:	1310147
Ion Ratio	Lower	Upper	
202	100		
101	9.9	7.5	11.3
100	7.9	6.3	9.5





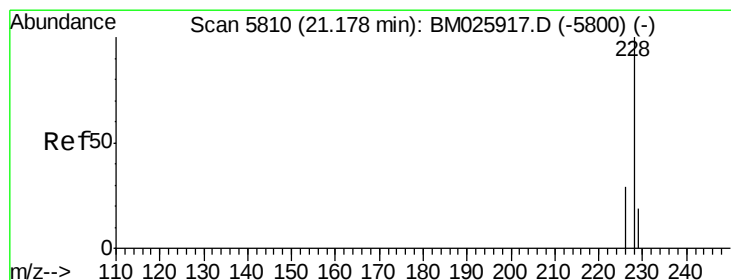
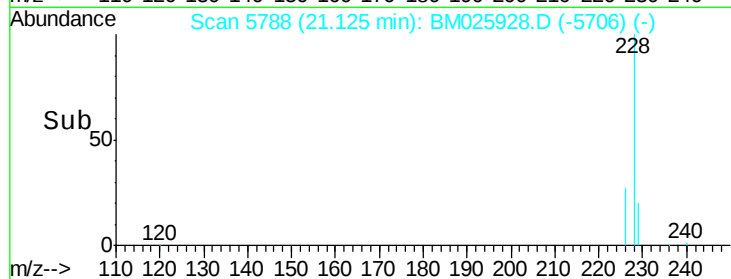
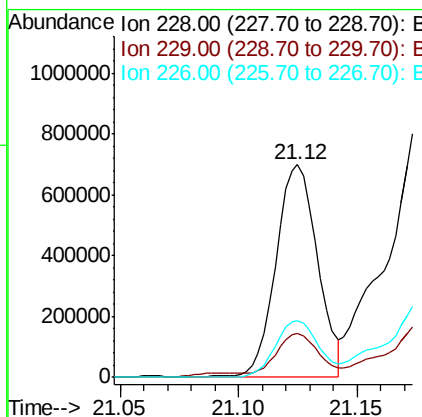
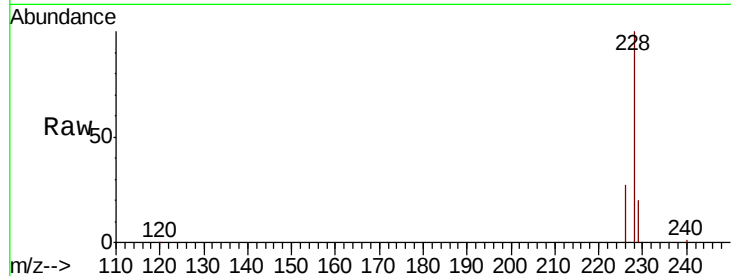
#18
Benzo(a)anthracene
Concen: 7.813 ng/ul
RT: 21.12 min Scan# 5788
Delta R.T. -0.00 min
Lab File: BM025928.D
Acq: 04 Apr 2020 00:48

Instrument :
BNA_M
ClientSampled :
F3E06DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.8	23.8
226	26.8	20.9	31.3

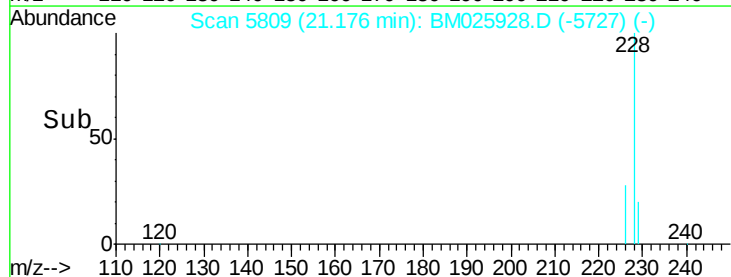
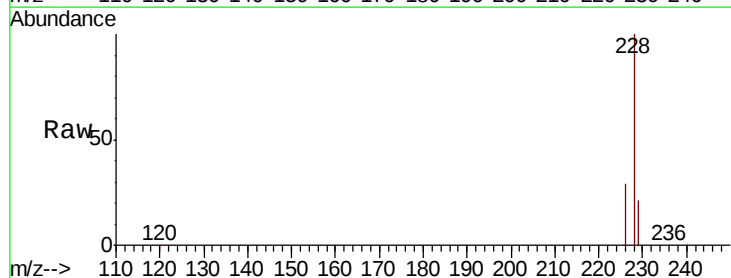
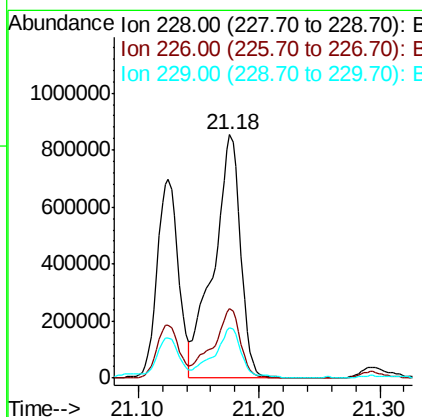
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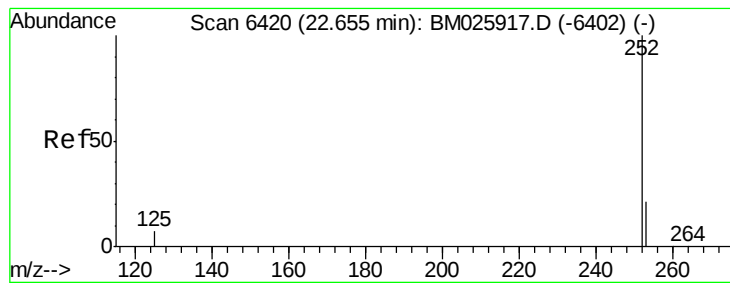
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#19
Chrysene
Concen: 11.014 ng/ul
RT: 21.18 min Scan# 5809
Delta R.T. -0.00 min
Lab File: BM025928.D
Acq: 04 Apr 2020 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.9	34.3
229	20.7	15.8	23.8





#21

Benzo(b)fluoranthene

Concen: 12.713 ng/ul m

RT: 22.65 min Scan# 6419

Delta R.T. -0.00 min

Lab File: BM025928.D

Acq: 04 Apr 2020 00:48

Instrument :

BNA_M

ClientSampleId :

F3E06DL

Tot Ion:252 Resp: 1260636

Ion Ratio Lower Upper

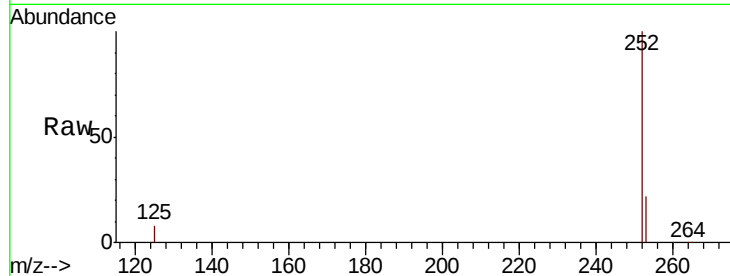
252 100

253 22.3 0.0 46.6

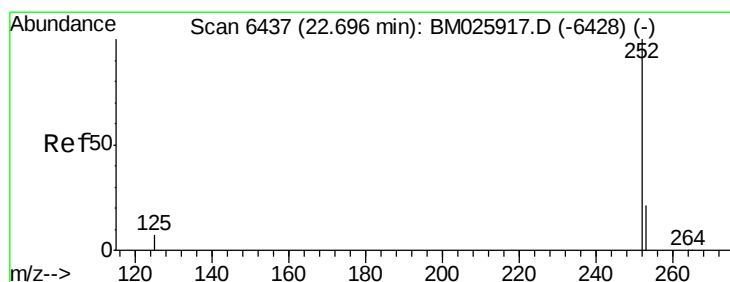
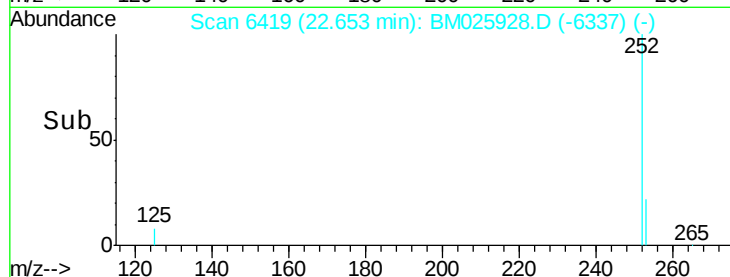
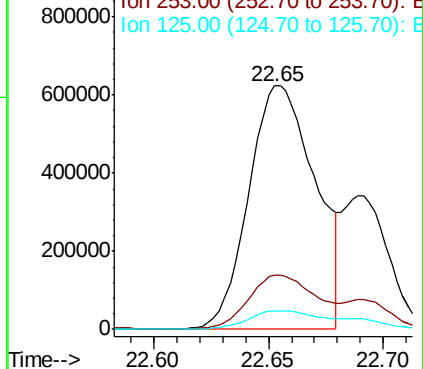
125 7.6 0.0 15.4

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 3.934 ng/ul m

RT: 22.69 min Scan# 6435

Delta R.T. -0.01 min

Lab File: BM025928.D

Acq: 04 Apr 2020 00:48

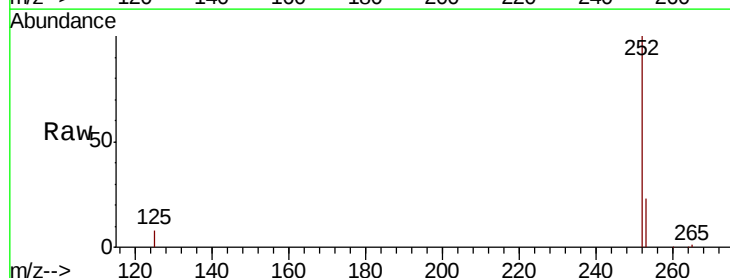
Tgt Ion:252 Resp: 418317

Ion Ratio Lower Upper

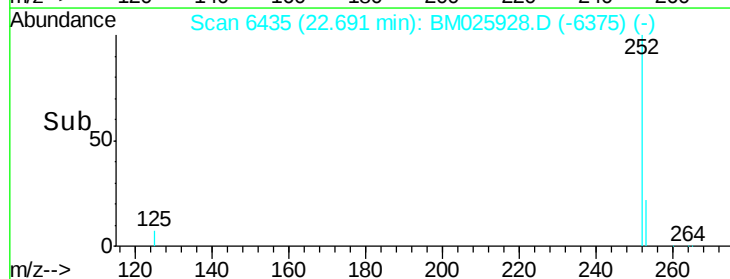
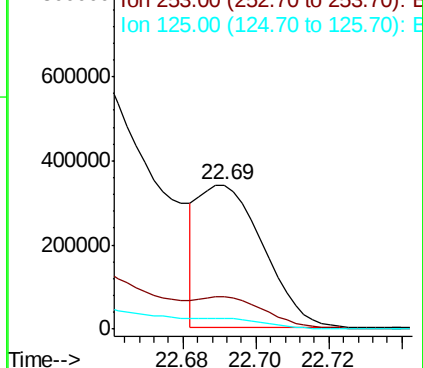
252 100

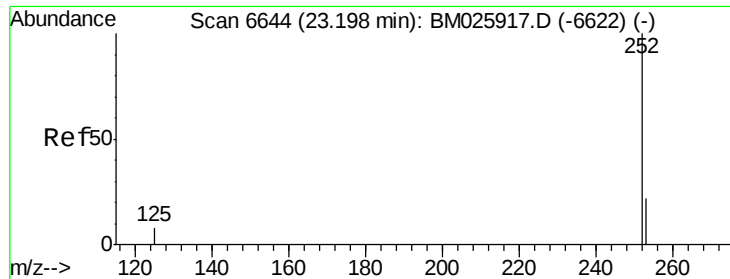
253 22.6 19.0 28.4

125 7.6 6.7 10.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





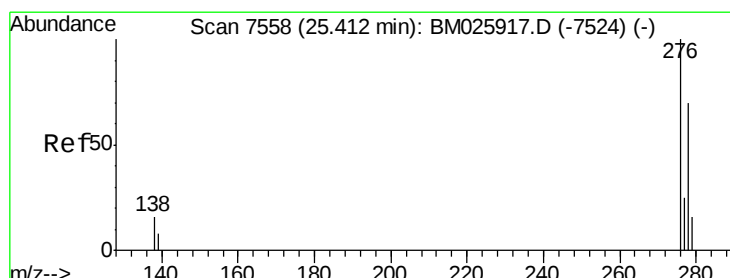
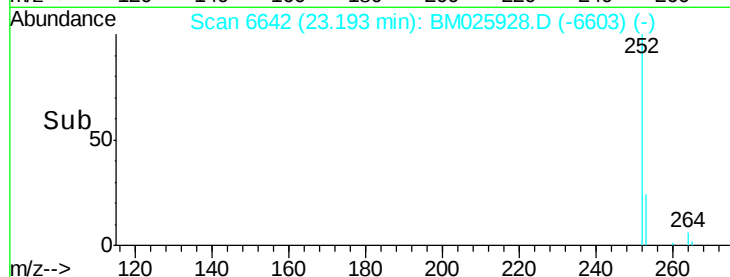
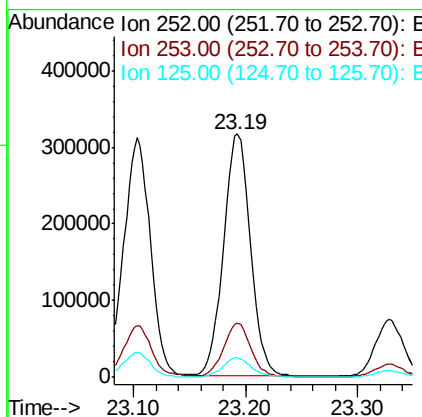
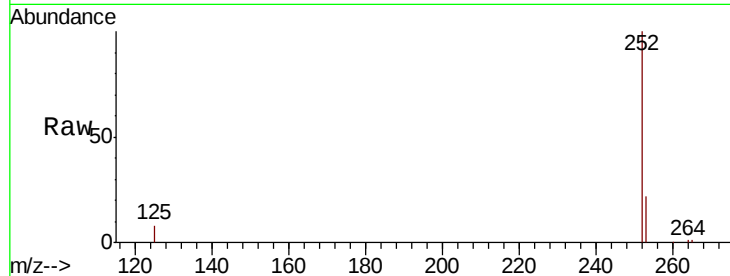
#23
Benzo(a)pyrene
Concen: 5.982 ng/u1
RT: 23.19 min Scan# 6642
Delta R.T. -0.01 min
Lab File: BM025928.D
Acq: 04 Apr 2020 00:48

Instrument :
BNA_M
ClientSampleId :
F3E06DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.2	28.8
125	8.1	7.4	11.0

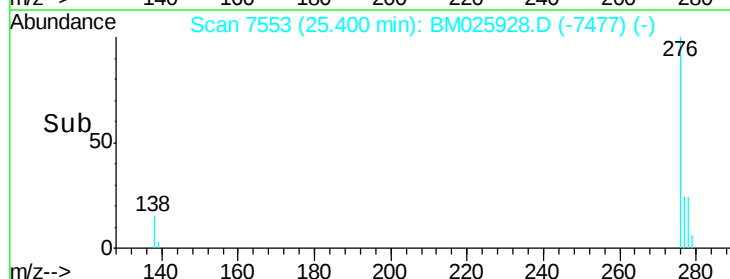
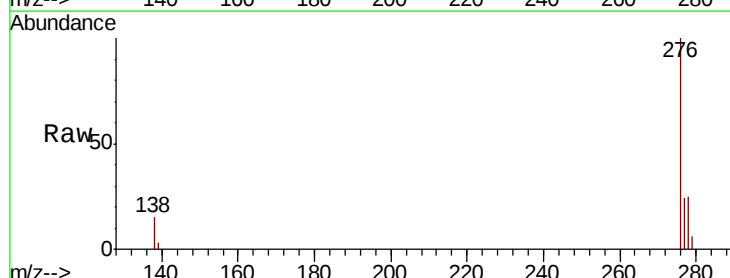
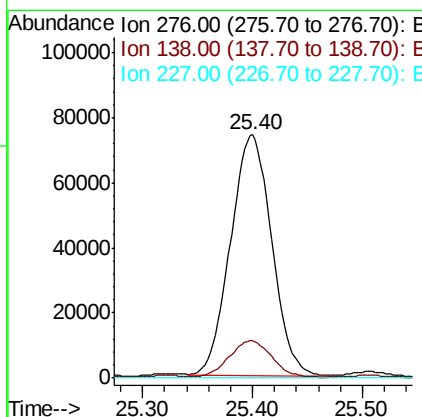
Manual Integrations
APPROVED

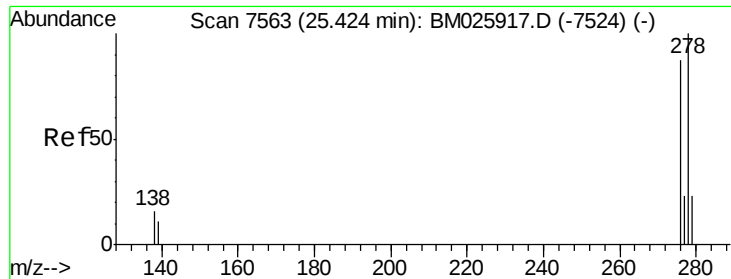
mohammad
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#24
Indeno(1,2,3-cd)pyrene
Concen: 1.620 ng/u1
RT: 25.40 min Scan# 7553
Delta R.T. -0.01 min
Lab File: BM025928.D
Acq: 04 Apr 2020 00:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.6	19.0
227	0.0	0.0	0.0





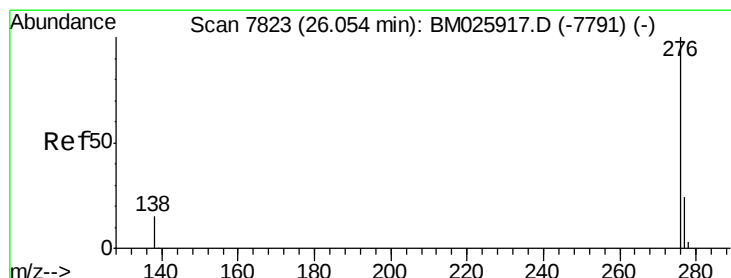
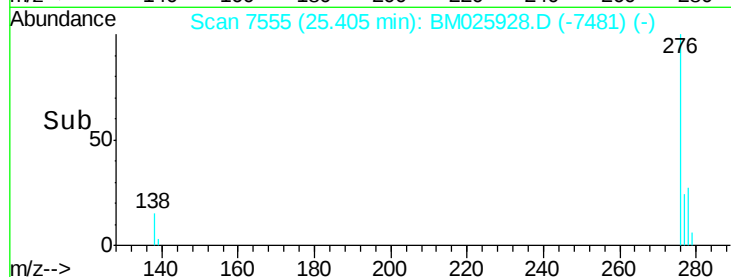
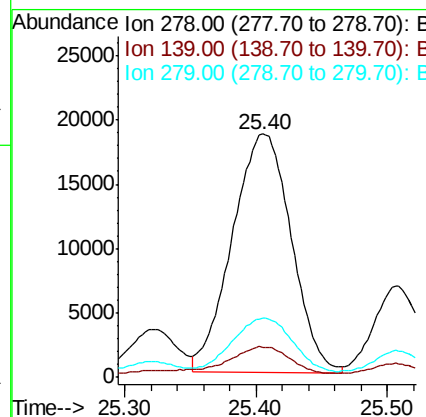
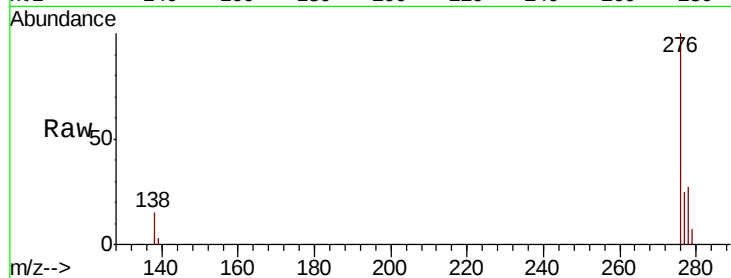
#25
Dibenzo(a,h)anthracene
Concen: 0.586 ng/ul
RT: 25.40 min Scan# 7555
Delta R.T. -0.02 min
Lab File: BM025928.D
Acq: 04 Apr 2020 00:48

Instrument :
BNA_M
ClientSampled :
F3E06DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.4	8.9	13.3
279	24.3	20.0	30.0

Manual Integrations
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#26
Benzo(g,h,i)perylene
Concen: 1.010 ng/ul
RT: 26.04 min Scan# 7818
Delta R.T. -0.01 min
Lab File: BM025928.D
Acq: 04 Apr 2020 00:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	11.8	17.8
277	24.0	19.2	28.8

