

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\
 Data File : BM025310.D
 Acq On : 06 Mar 2020 10:23
 Operator : CG/JU
 Sample : L1568-13DL 5X
 Misc :
 ALS Vial : 108 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBDB4DL

Manual Integrations
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Quant Time: Mar 06 11:39:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 08:02:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	3853	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	16583	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	11812	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	28576	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	28917	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	27749	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	1380	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	4278	0.05	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	14.01	152	2057	0.037	ng/ul	99
8) Acenaphthene	14.36	153	944	0.022	ng/ul	98
9) Fluorene	15.35	166	1286	0.024	ng/ul	98
12) Phenanthrene	17.08	178	6624	0.072	ng/ul	99
13) Anthracene	17.17	178	8606	0.105	ng/ul	97
15) Fluoranthene	19.10	202	42426	0.368	ng/ul	96
17) Pyrene	19.46	202	48672	0.444	ng/ul	96
18) Benzo(a)anthracene	21.21	228	41931	0.394	ng/ul	99
19) Chrysene	21.26	228	67798	0.581	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	81179m	0.731	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	30879m	0.265	ng/ul	
23) Benzo(a)pyrene	23.32	252	32564	0.349	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.59	276	19636	0.169	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.60	278	5577	0.058	ng/ul#	89
26) Benzo(g,h,i)perylene	26.26	276	12608	0.128	ng/ul#	94

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

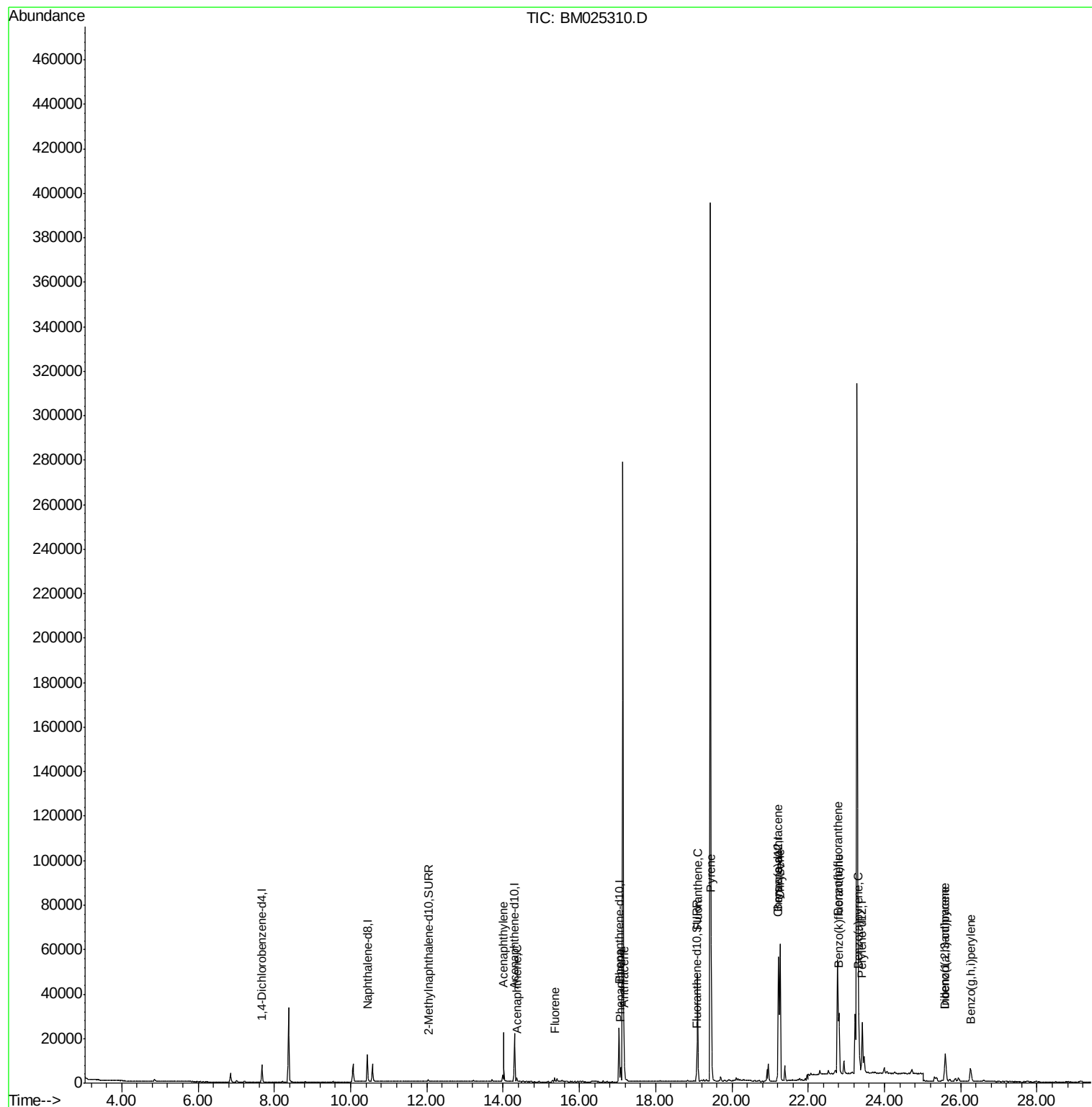
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\
Data File : BM025310.D
Acq On : 06 Mar 2020 10:23
Operator : CG/JU
Sample : L1568-13DL 5X
Misc :
ALS Vial : 108 Sample Multiplier: 1

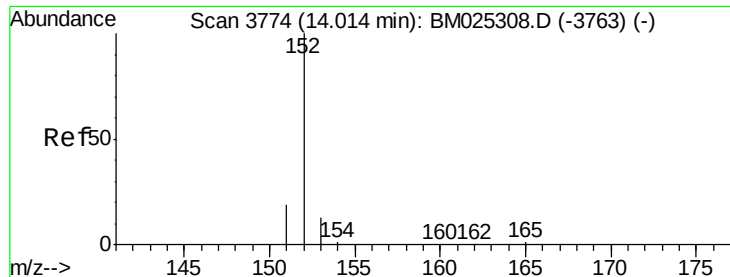
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Mar 06 11:39:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 08:02:03 2020
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.037 ng/ul

RT: 14.01 min Scan# 3774

Delta R.T. -0.01 min

Lab File: BM025310.D

Acq: 06 Mar 2020 10:23

Instrument :

BNA_M

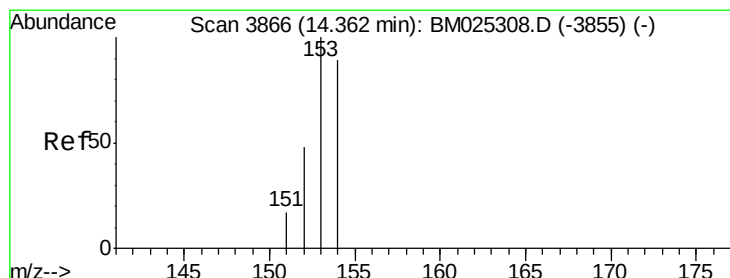
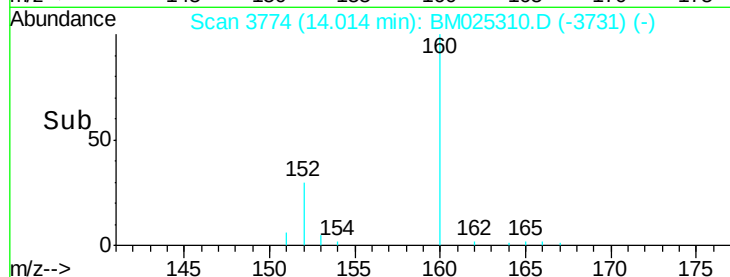
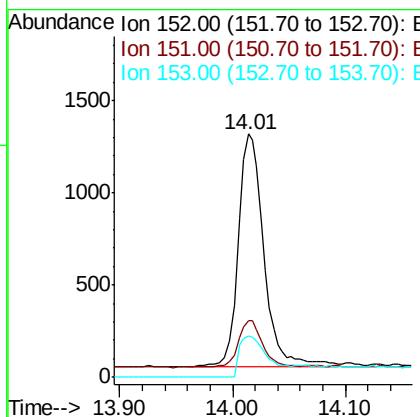
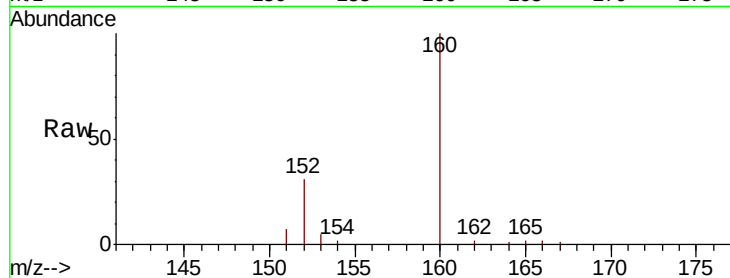
ClientSampleId :

DBDB4DL

Tot Ion:	152	Resp:	2057
Ion Ratio	Lower	Upper	
152	100		
151	23.2	17.8	26.8
153	17.0	13.3	19.9

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#8

Acenaphthene

Concen: 0.022 ng/ul

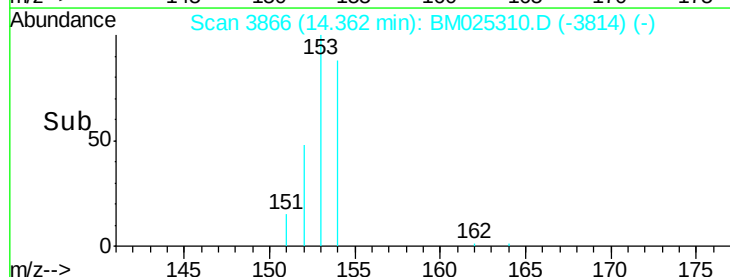
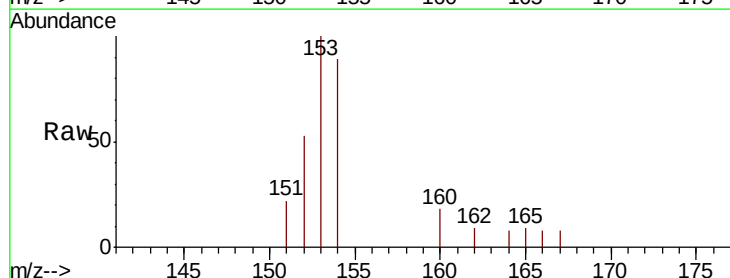
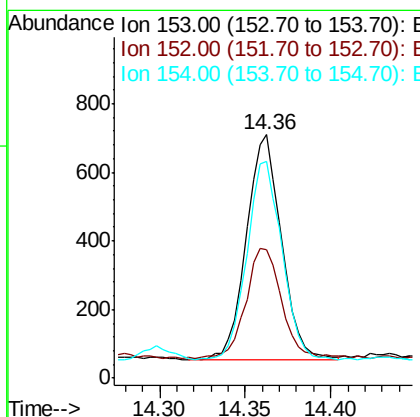
RT: 14.36 min Scan# 3866

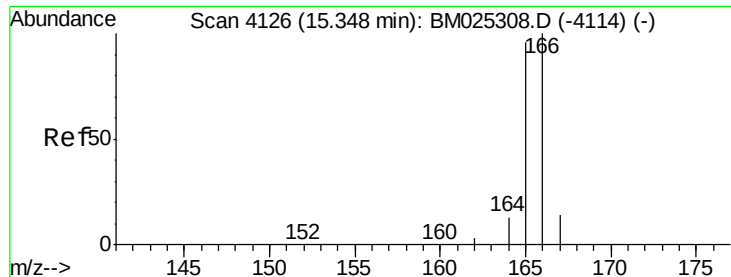
Delta R.T. -0.00 min

Lab File: BM025310.D

Acq: 06 Mar 2020 10:23

Tgt Ion:	153	Resp:	944
Ion Ratio	Lower	Upper	
153	100		
152	53.0	40.0	60.0
154	88.9	71.0	106.6





#9

Fluorene

Concen: 0.024 ng/ul

RT: 15.35 min Scan# 4127

Delta R.T. -0.00 min

Lab File: BM025310.D

Acq: 06 Mar 2020 10:23

Instrument :

BNA_M

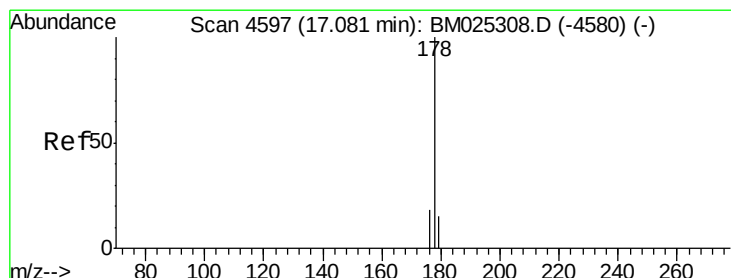
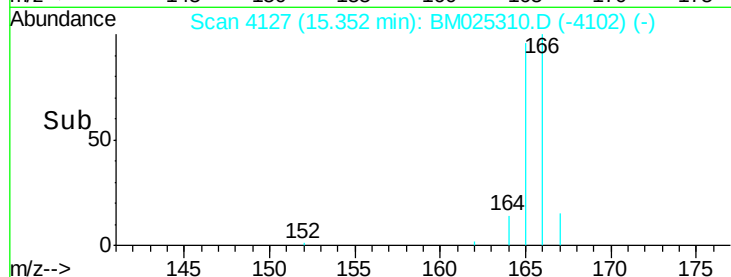
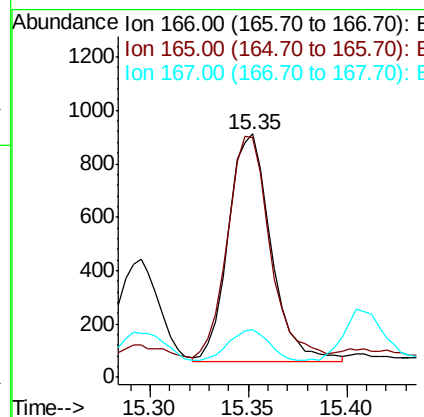
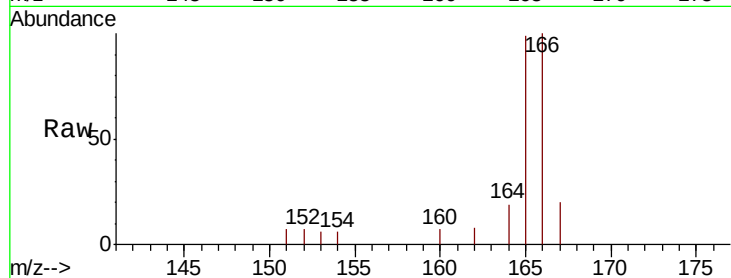
ClientSampleId :

DBDB4DL

Tot Ion:	166	Resp:	1286
Ion	Ratio	Lower	Upper
166	100		
165	98.7	80.0	120.0
167	19.8	13.7	20.5

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#12

Phenanthrene

Concen: 0.072 ng/ul

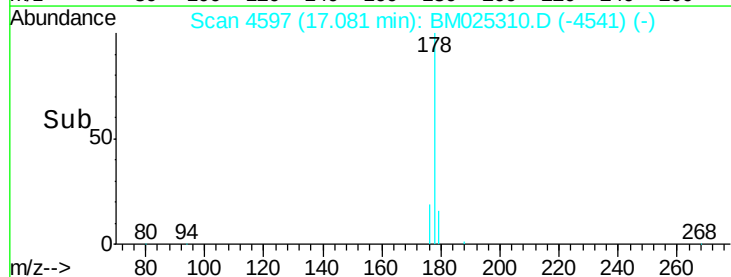
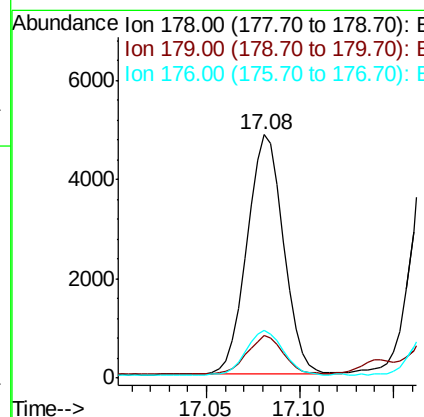
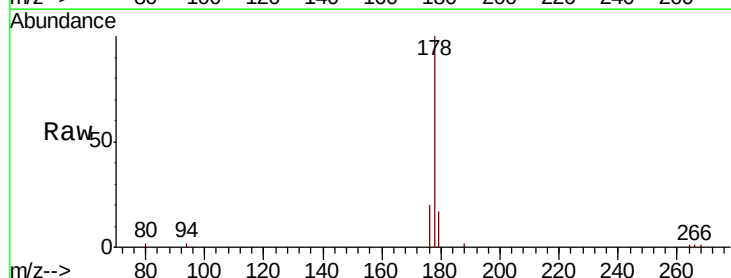
RT: 17.08 min Scan# 4597

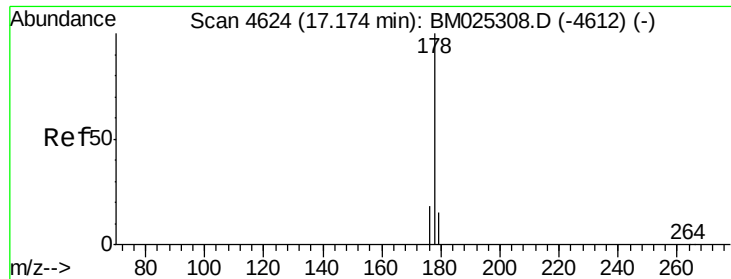
Delta R.T. -0.01 min

Lab File: BM025310.D

Acq: 06 Mar 2020 10:23

Tgt Ion:	178	Resp:	6624
Ion	Ratio	Lower	Upper
178	100		
179	17.4	14.0	21.0
176	19.8	16.6	24.8





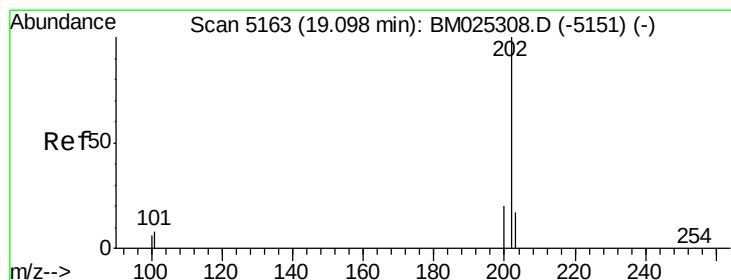
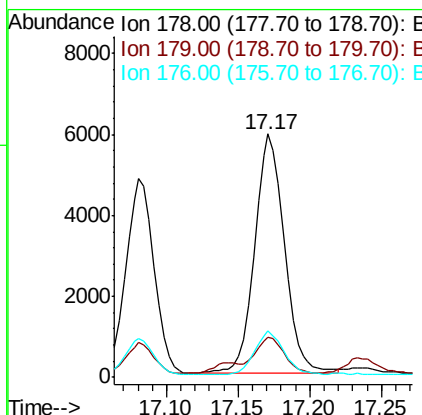
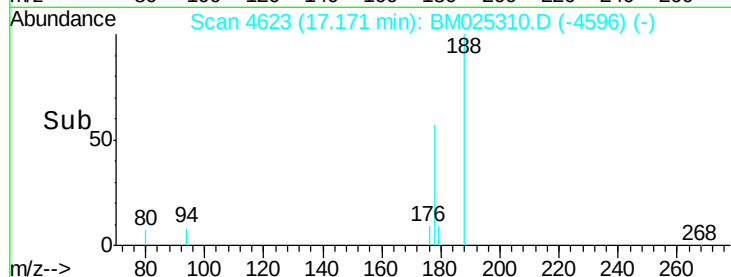
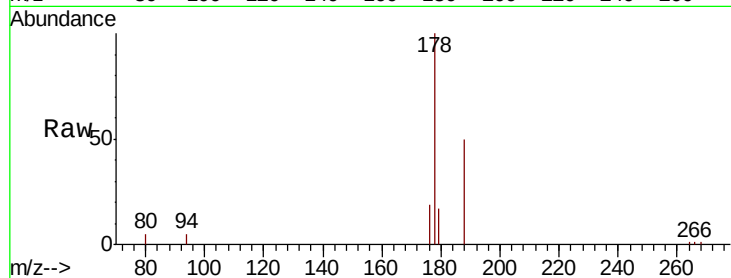
#13
 Anthracene
 Concen: 0.105 ng/ul
 RT: 17.17 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: BM025310.D
 Acq: 06 Mar 2020 10:23

Instrument :
 BNA_M
 ClientSampleId :
 DBDB4DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.5	14.1	21.1
176	18.9	16.2	24.4

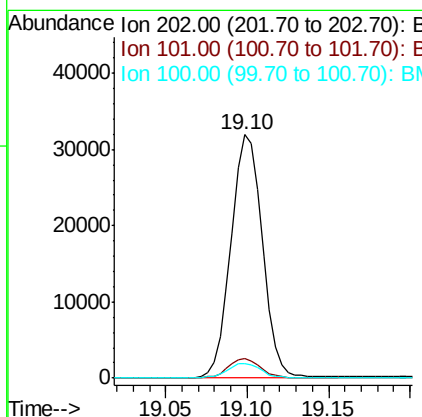
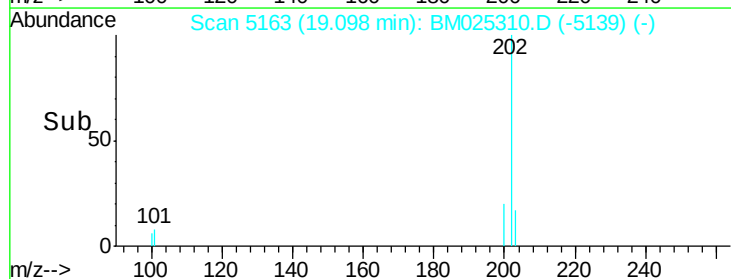
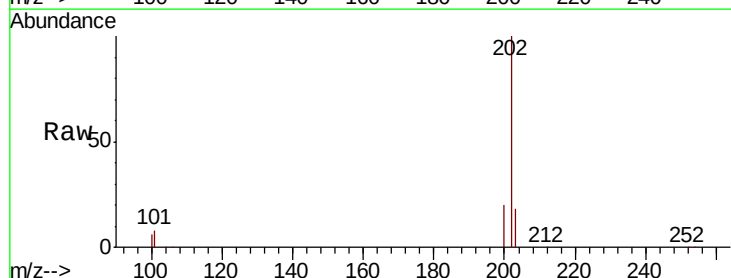
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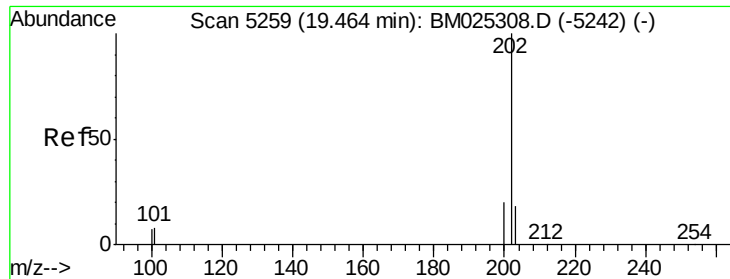
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#15
 Fluoranthene
 Concen: 0.368 ng/ul
 RT: 19.10 min Scan# 5163
 Delta R.T. -0.01 min
 Lab File: BM025310.D
 Acq: 06 Mar 2020 10:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	29.4
100	6.2	0.0	28.0





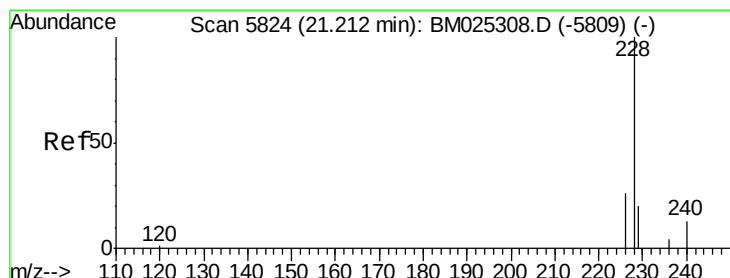
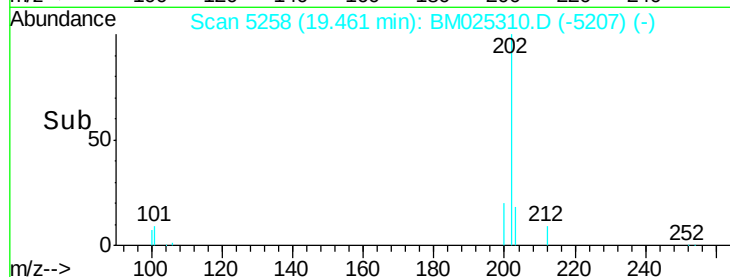
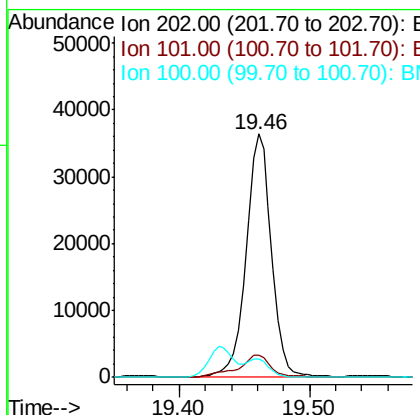
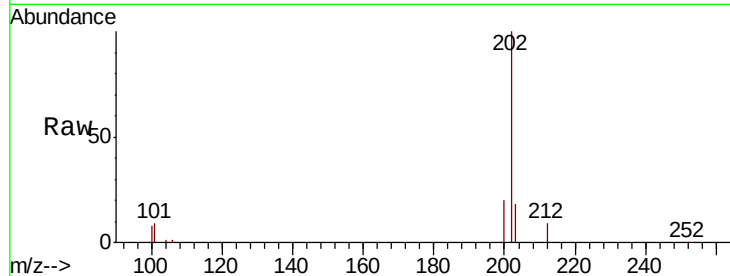
#17
 Pyrene
 Concen: 0.444 ng/ul
 RT: 19.46 min Scan# 5258
 Delta R.T. -0.01 min
 Lab File: BM025310.D
 Acq: 06 Mar 2020 10:23

Instrument :
 BNA_M
 ClientSampleID :
 DBDB4DL

Tot Ion:	202	Resp:	48672
Ion Ratio	Lower	Upper	
202	100		
101	9.3	8.7	13.1
100	7.6	7.3	10.9

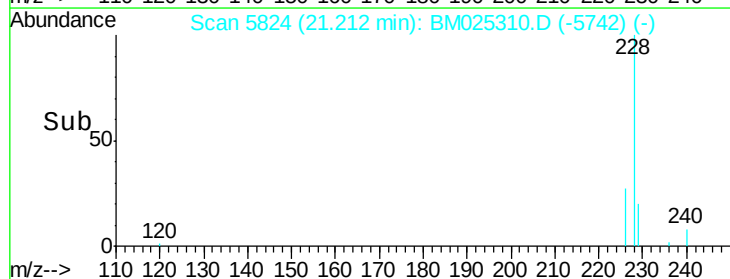
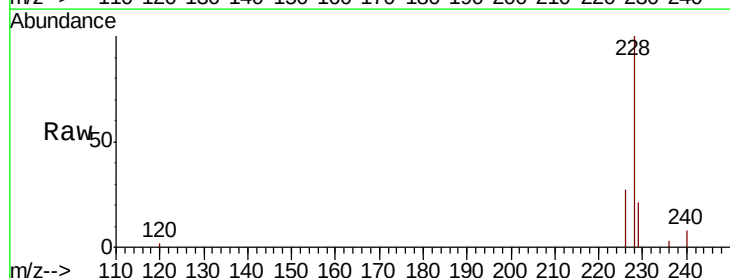
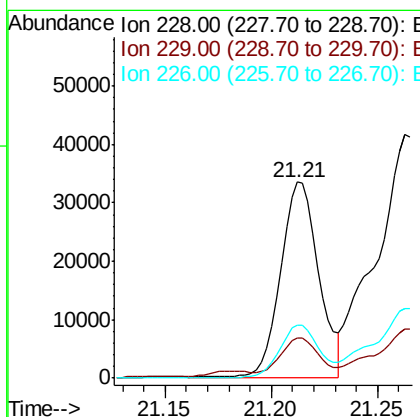
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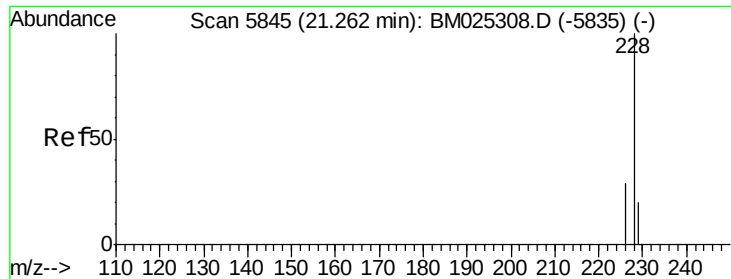
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#18
 Benzo(a)anthracene
 Concen: 0.394 ng/ul
 RT: 21.21 min Scan# 5824
 Delta R.T. -0.00 min
 Lab File: BM025310.D
 Acq: 06 Mar 2020 10:23

Tgt Ion:	228	Resp:	41931
Ion Ratio	Lower	Upper	
228	100		
229	20.5	16.6	25.0
226	26.9	21.9	32.9





#19

Chrysene

Concen: 0.581 ng/ul

RT: 21.26 min Scan# 5845

Delta R.T. -0.00 min

Lab File: BM025310.D

Acq: 06 Mar 2020 10:23

Instrument :

BNA_M

ClientSampleId :

DBDB4DL

Tot Ion:228 Resp: 67798

Ion Ratio Lower Upper

228 100

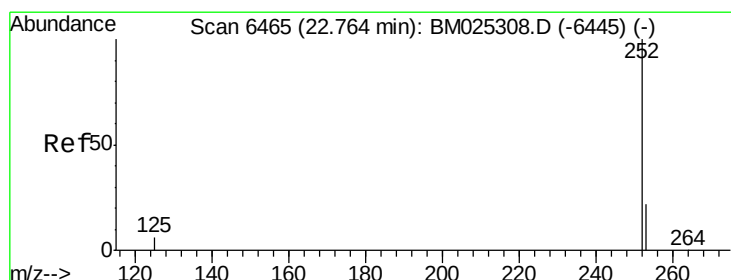
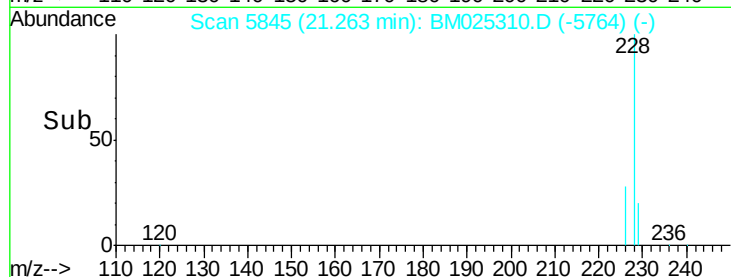
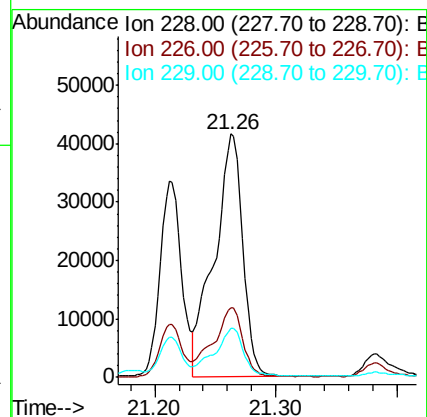
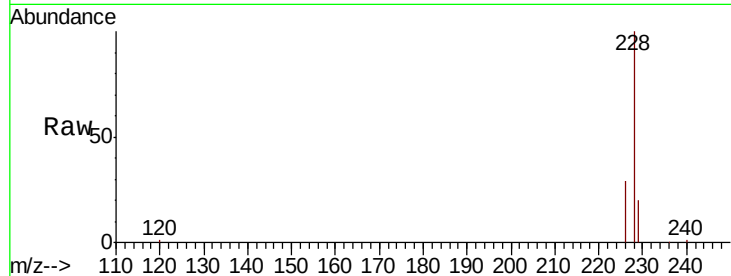
226 28.6 23.8 35.8

229 20.1 16.9 25.3

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#21

Benzo(b)fluoranthene

Concen: 0.731 ng/ul m

RT: 22.77 min Scan# 6466

Delta R.T. -0.00 min

Lab File: BM025310.D

Acq: 06 Mar 2020 10:23

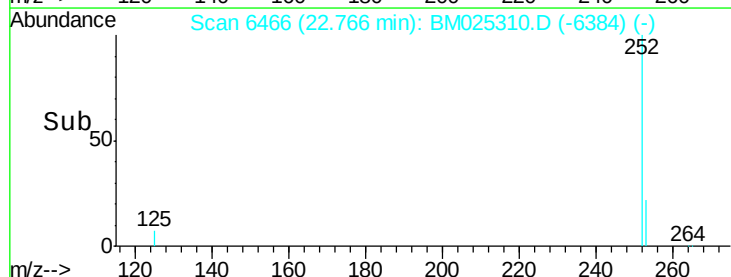
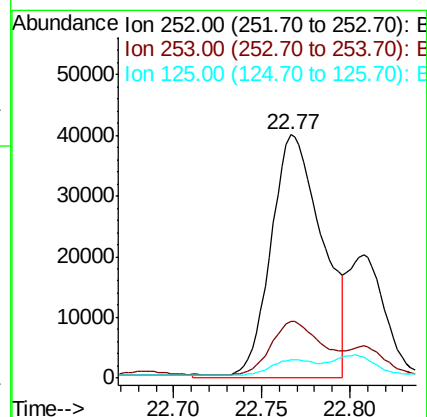
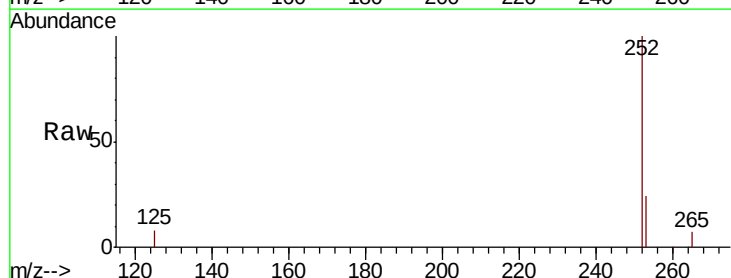
Tgt Ion:252 Resp: 81179

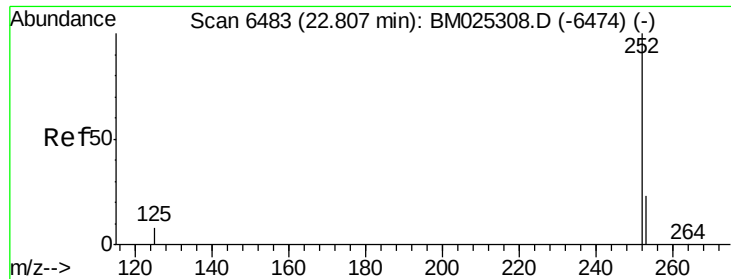
Ion Ratio Lower Upper

252 100

253 23.5 0.0 49.8

125 7.7 0.0 28.6





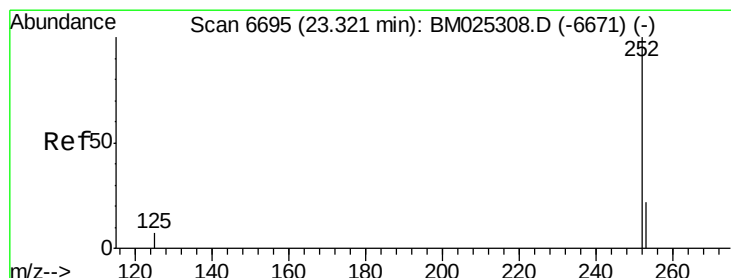
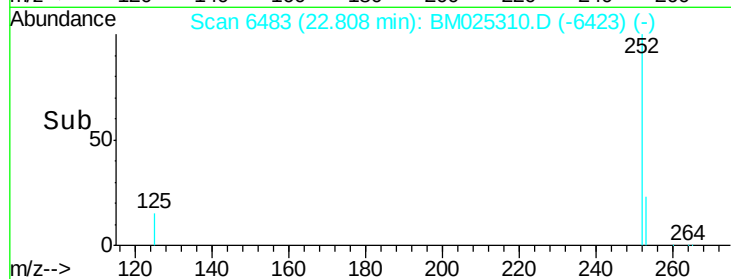
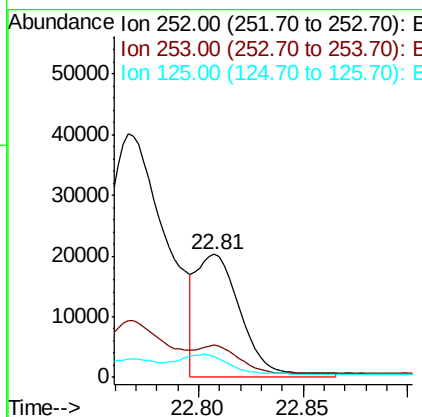
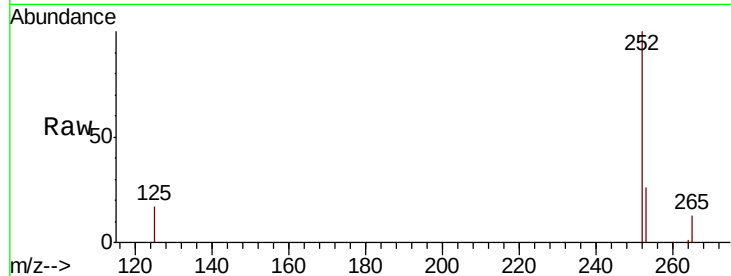
#22
Benzo(k)fluoranthene
Concen: 0.265 ng/ul m
RT: 22.81 min Scan# 6483
Delta R.T. -0.00 min
Lab File: BM025310.D
Acq: 06 Mar 2020 10:23

Instrument :
BNA_M
ClientSampleId :
DBDB4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	19.4	29.0
125	16.7	10.7	16.1#

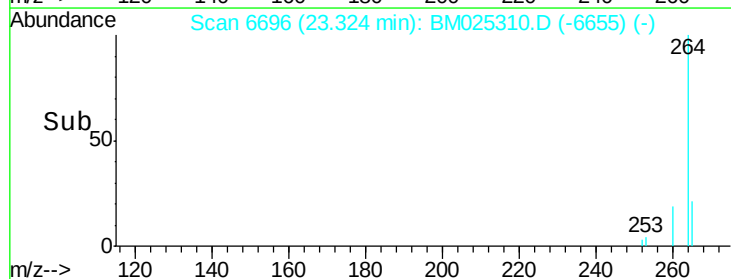
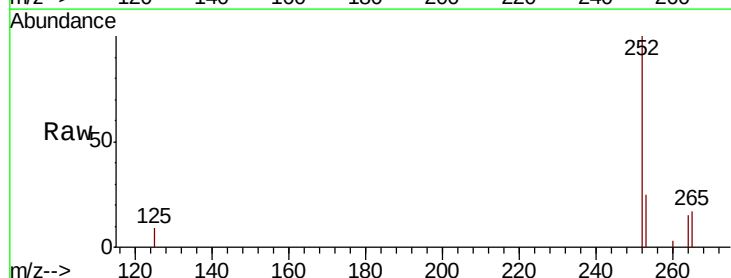
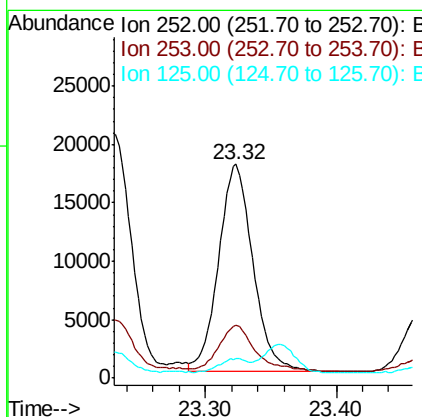
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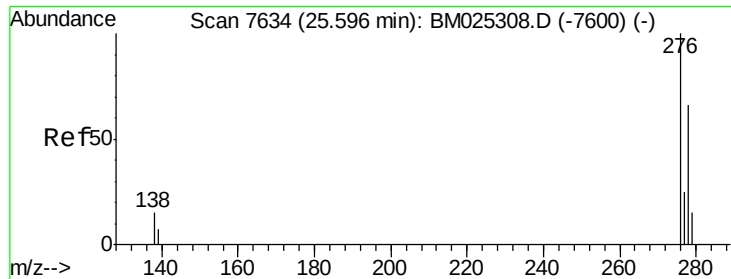
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#23
Benzo(a)pyrene
Concen: 0.349 ng/ul
RT: 23.32 min Scan# 6696
Delta R.T. 0.00 min
Lab File: BM025310.D
Acq: 06 Mar 2020 10:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.3	30.5
125	9.1	13.0	19.4#





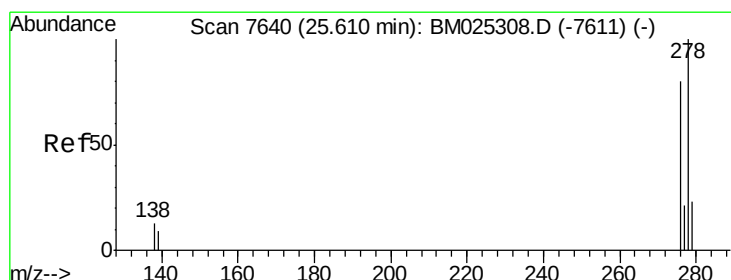
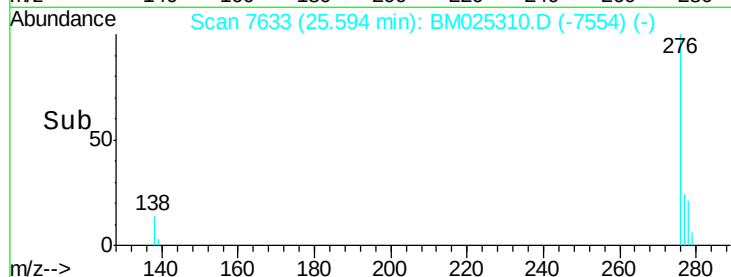
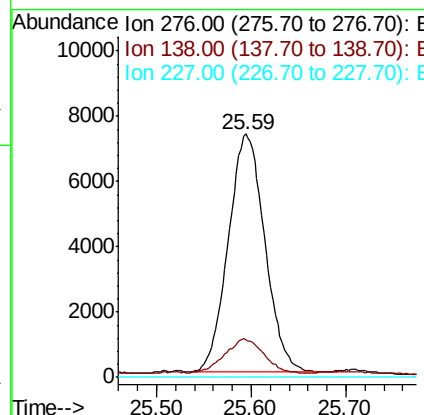
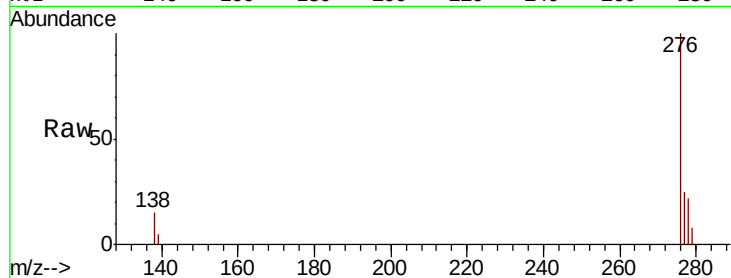
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.169 ng/ul
RT: 25.59 min Scan# 7633
Delta R.T. -0.01 min
Lab File: BM025310.D
Acq: 06 Mar 2020 10:23

Instrument :
BNA_M
ClientSampleId :
DBDB4DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	19636		
138	15.6	0.0	0.0	0.0
227	0.0	0.0	0.0	0.0

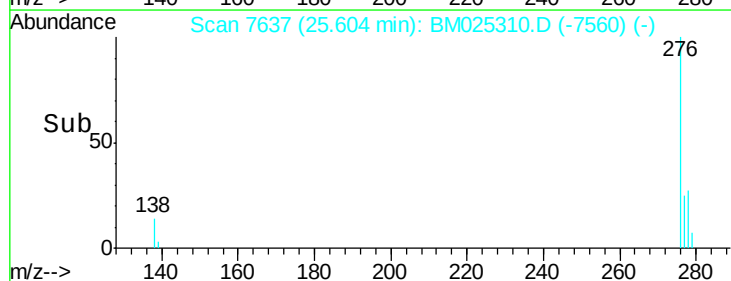
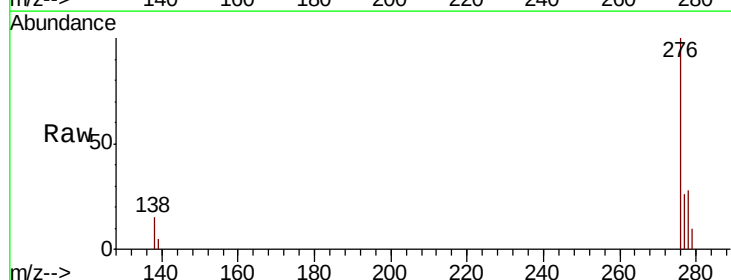
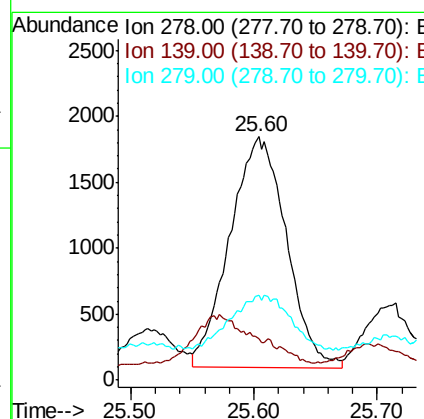
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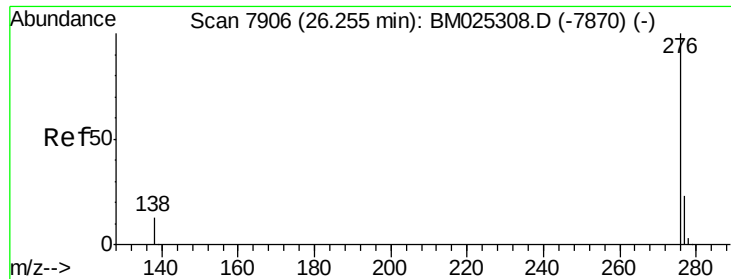
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#25
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 25.60 min Scan# 7637
Delta R.T. -0.01 min
Lab File: BM025310.D
Acq: 06 Mar 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	5577		
139	17.0	13.2	19.8	
279	34.8	21.0	31.4	





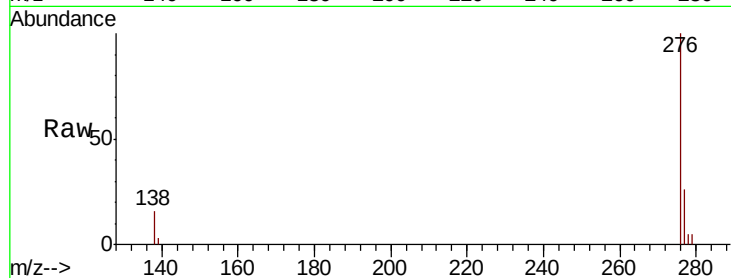
#26
 Benzo(a,h,i)perylene
 Concen: 0.128 ng/ul
 RT: 26.26 min Scan# 7906
 Delta R.T. -0.01 min
 Lab File: BM025310.D
 Acq: 06 Mar 2020 10:23

Instrument :
 BNA_M
 ClientSampleId :
 DBDB4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.1	17.9	26.9#
277	25.7	20.5	30.7

Manual Integrations
 APPROVED

mohammad
 3/6/2020 10:15:49 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

