

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
 Data File : BM025641.D
 Acq On : 18 Mar 2020 22:58
 Operator : CG/JU
 Sample : L1786-07DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3DL

Manual Integrations
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mohammad
 3/19/2020 12:43:45 PM

Quant Time: Mar 19 00:41:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 05:07:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2590	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	10462	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	6665	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	15383	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	16199	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	17271	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	691	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	1955	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	11029	0.356	ng/ul	100
5) 2-Methylnaphthalene	12.02	142	6318	0.285	ng/ul	99
7) Acenaphthylene	13.94	152	17647	0.648	ng/ul#	86
8) Acenaphthene	14.28	153	9638	0.404	ng/ul	99
9) Fluorene	15.27	166	27522	0.946	ng/ul	99
12) Phenanthrene	17.00	178	153858	3.156	ng/ul	100
13) Anthracene	17.09	178	142810	3.366	ng/ul	99
15) Fluoranthene	19.03	202	325237	6.154	ng/ul	99
17) Pyrene	19.39	202	237072	3.261	ng/ul	99
18) Benzo(a)anthracene	21.14	228	147743	2.551	ng/ul	98
19) Chrysene	21.19	228	131805	2.027	ng/ul	97
21) Benzo(b)fluoranthene	22.67	252	158379m	2.316	ng/ul	
22) Benzo(k)fluoranthene	22.71	252	64829m	0.905	ng/ul	
23) Benzo(a)pyrene	23.21	252	103709	1.826	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.43	276	63366	0.822	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.44	278	20404	0.315	ng/ul	95
26) Benzo(a,h,i)perylene	26.07	276	39988	0.598	ng/ul	98

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

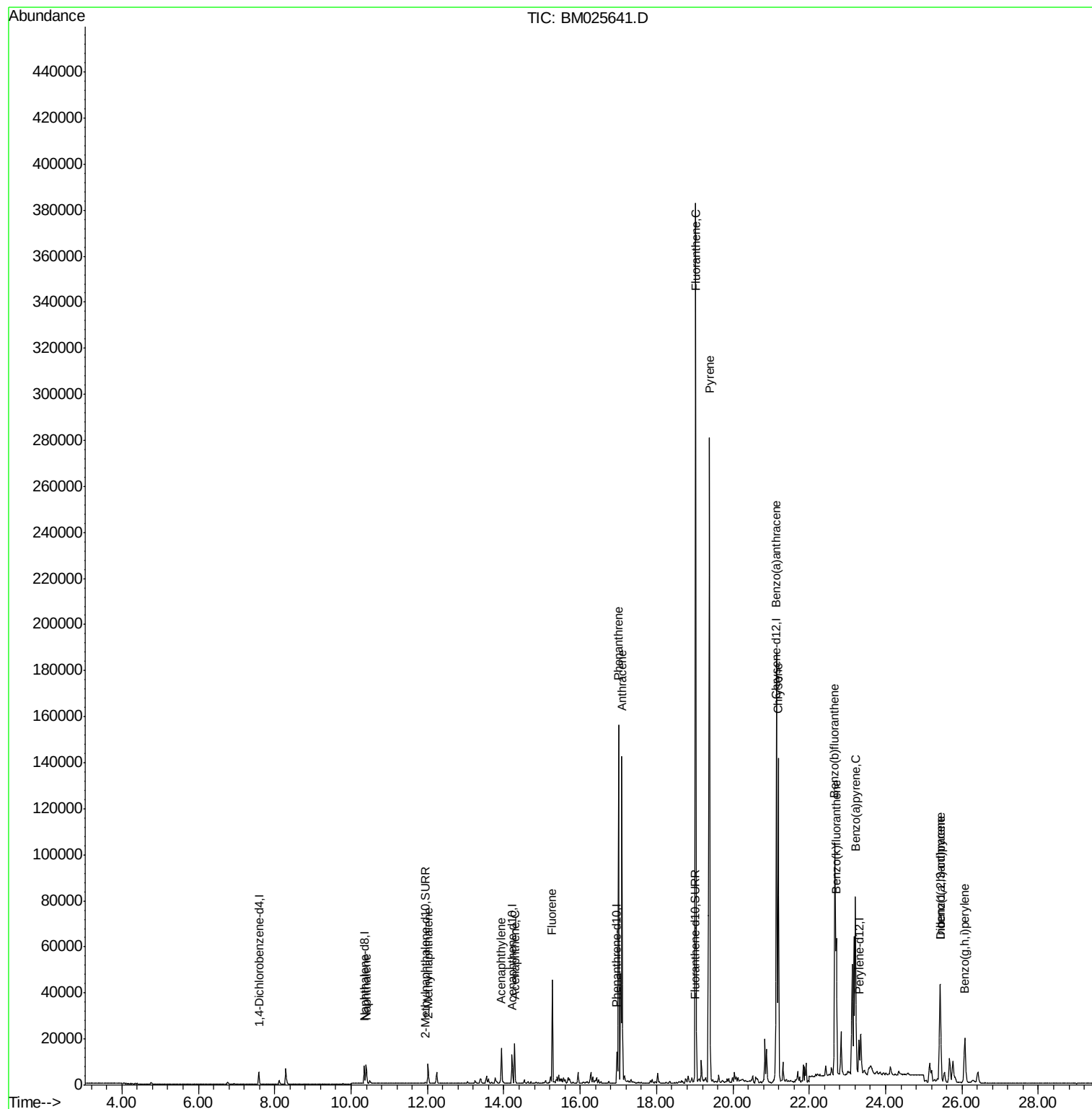
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

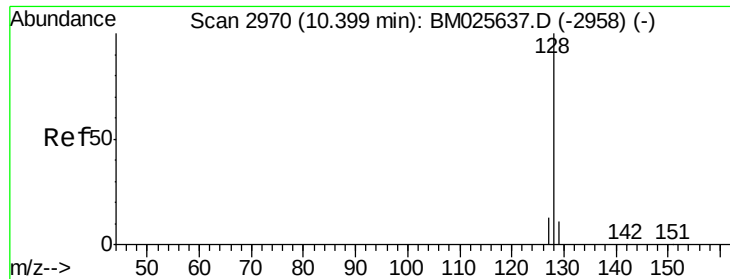
Instrument :
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ClientSampleId :
C0AC3DL

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Quant Time: Mar 19 00:41:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 05:07:34 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.356 ng/ul

RT: 10.40 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

Instrument :

BNA_M

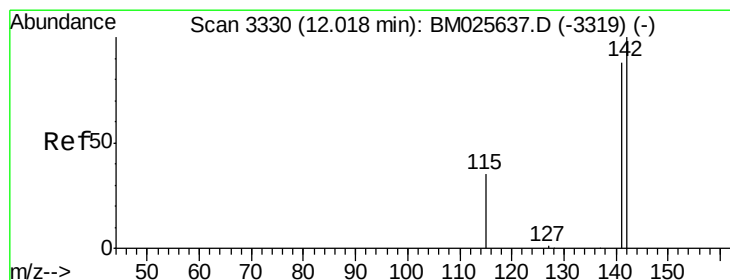
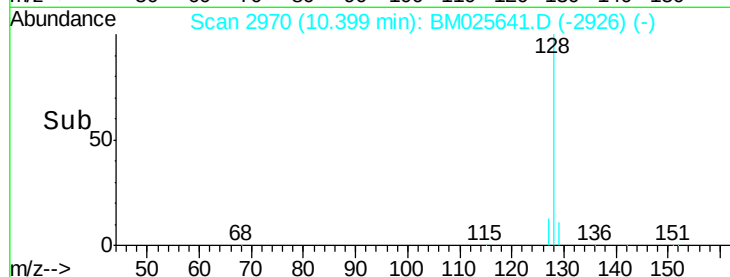
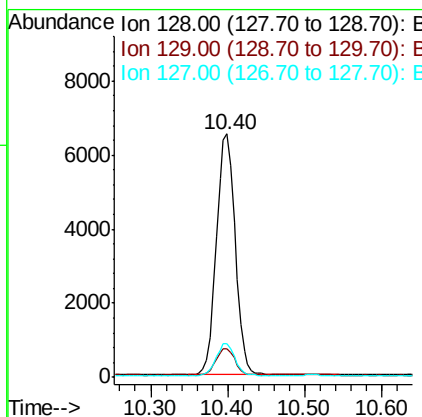
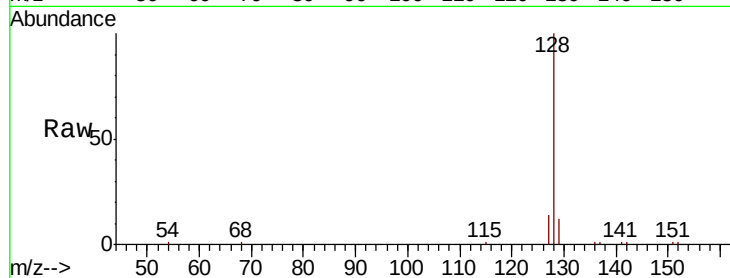
ClientSampleId :

C0AC3DL

Tot Ion:	128	Resp:	11029
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.0
127	13.7	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 0.285 ng/ul

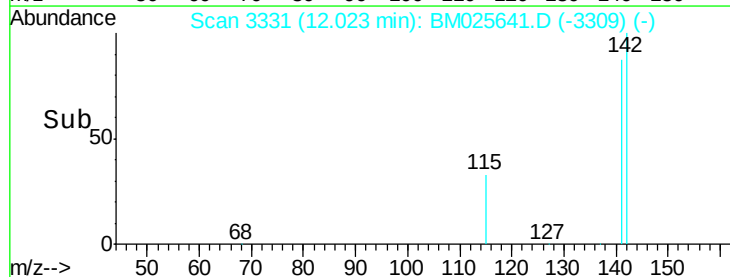
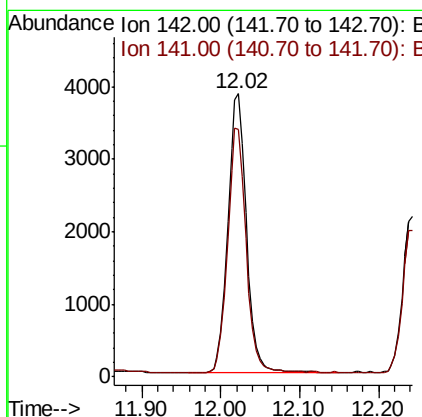
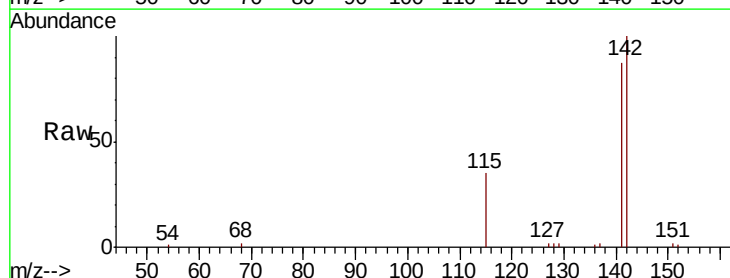
RT: 12.02 min Scan# 3331

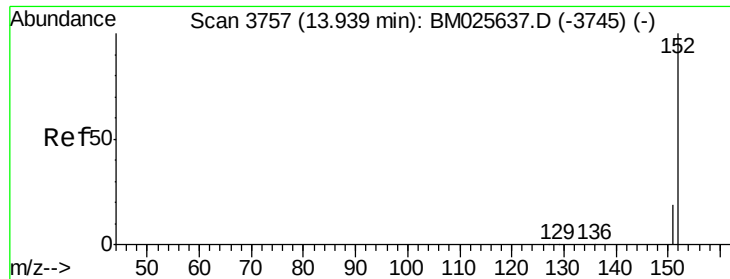
Delta R.T. -0.00 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

Tgt Ion:	142	Resp:	6318
Ion	Ratio	Lower	Upper
142	100		
141	86.2	69.8	104.6





#7

Acenaphthylene

Concen: 0.648 ng/ul

RT: 13.94 min Scan# 3757

Delta R.T. -0.00 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

Instrument :

BNA_M

ClientSampleId :

C0AC3DL

Tot Ion:152 Resp: 17647

Ion Ratio Lower Upper

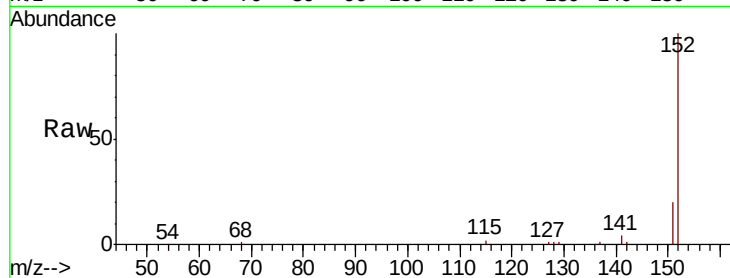
152 100

151 19.7 16.2 24.2

153 0.0 10.6 16.0#

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

13.94

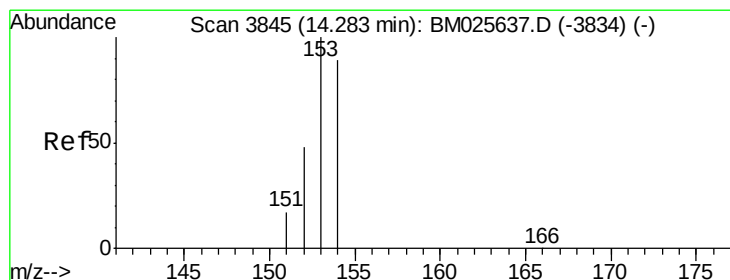
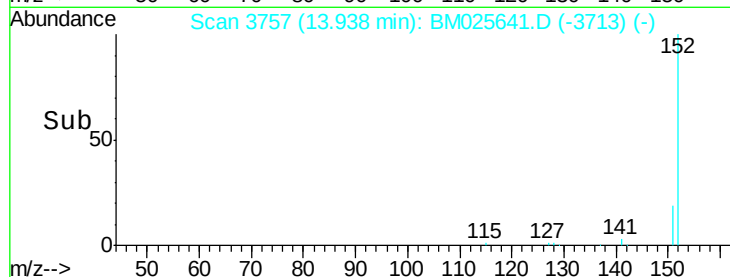
15000

10000

5000

0

Time--> 13.80 14.00 14.20



#8

Acenaphthene

Concen: 0.404 ng/ul

RT: 14.28 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

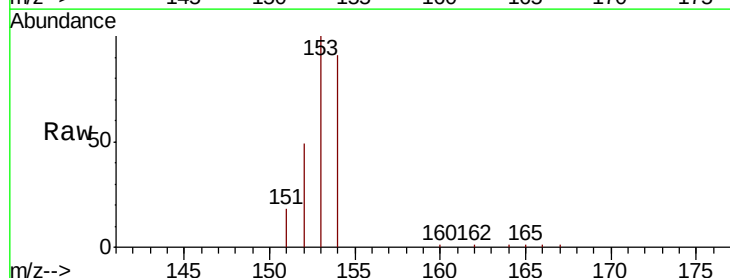
Tgt Ion:153 Resp: 9638

Ion Ratio Lower Upper

153 100

152 49.1 39.5 59.3

154 91.0 71.7 107.5



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.28

8000

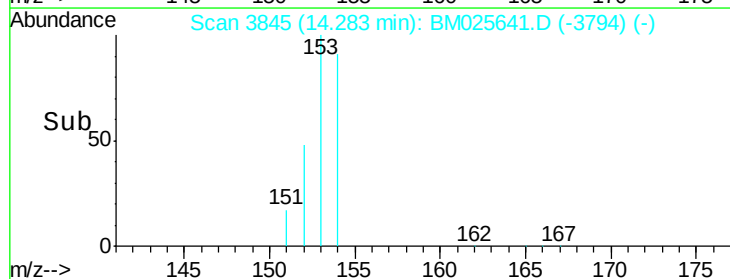
6000

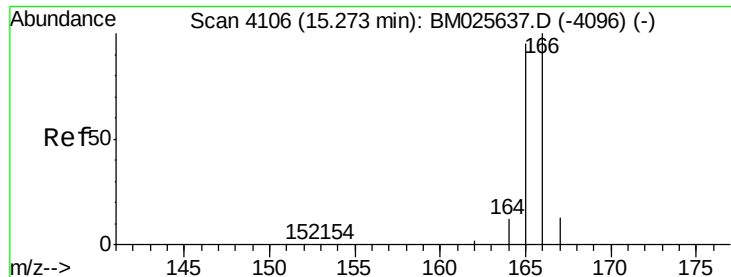
4000

2000

0

Time--> 14.20 14.25 14.30 14.35





#9

Fluorene

Concen: 0.946 ng/ul

RT: 15.27 min Scan# 4106

Delta R.T. -0.01 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

Instrument :

BNA_M

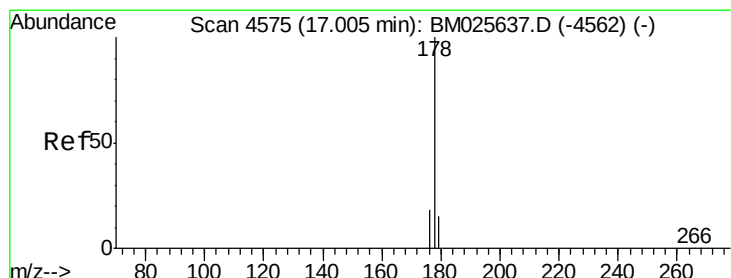
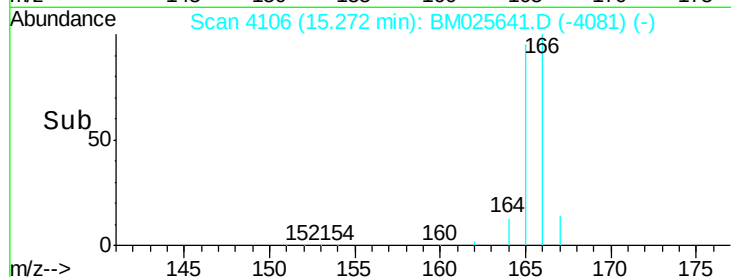
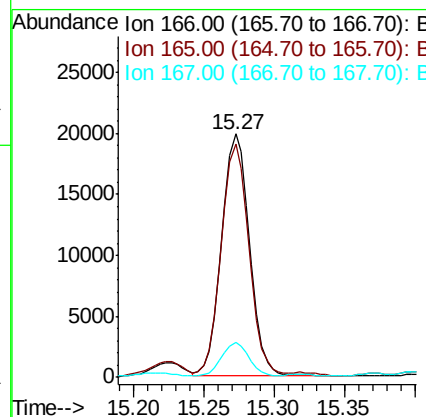
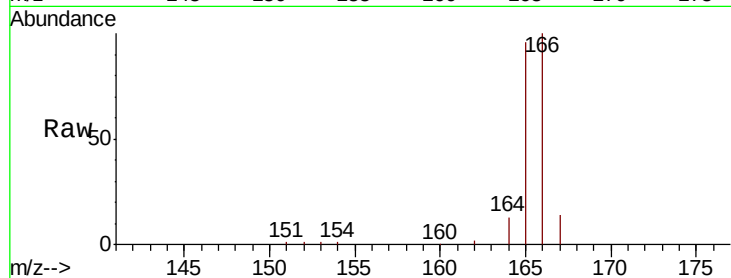
ClientSampleId :

C0AC3DL

Tot Ion:	166	Resp:	27522
Ion	Ratio	Lower	Upper
166	100		
165	95.6	76.8	115.2
167	14.5	11.2	16.8

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#12

Phenanthrene

Concen: 3.156 ng/ul

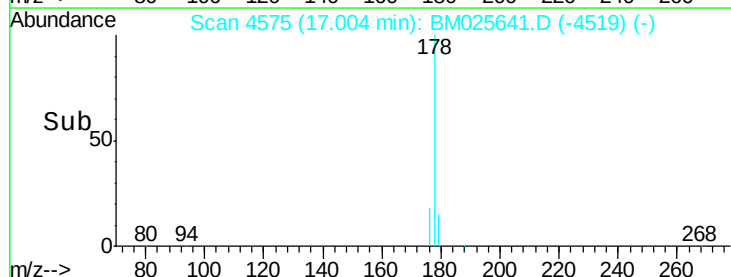
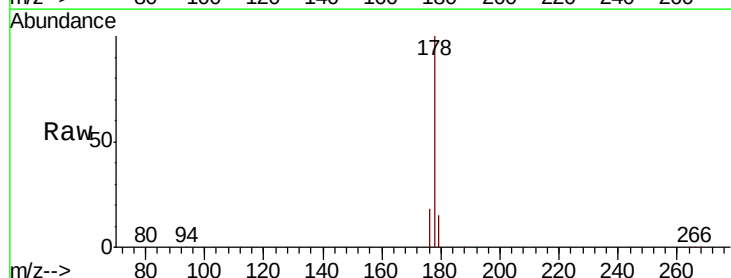
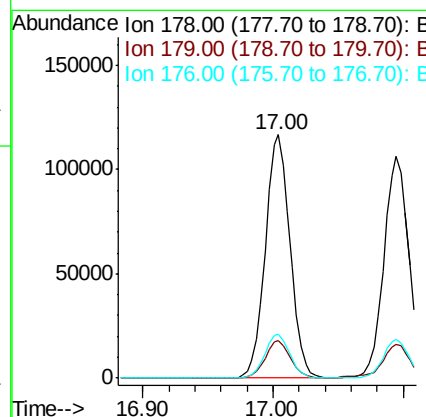
RT: 17.00 min Scan# 4575

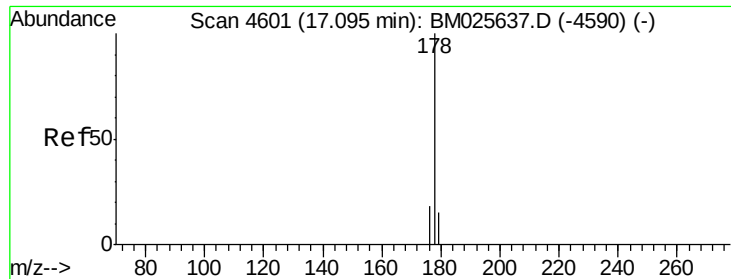
Delta R.T. -0.01 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

Tgt Ion:	178	Resp:	153858
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	18.2	14.8	22.2





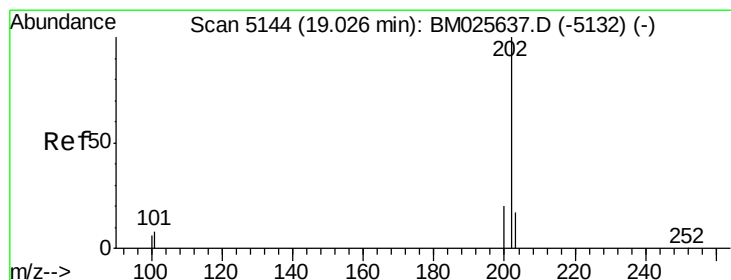
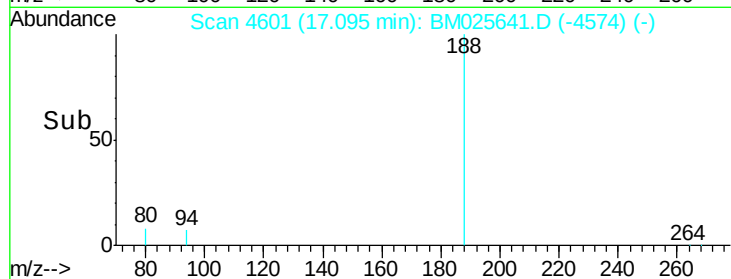
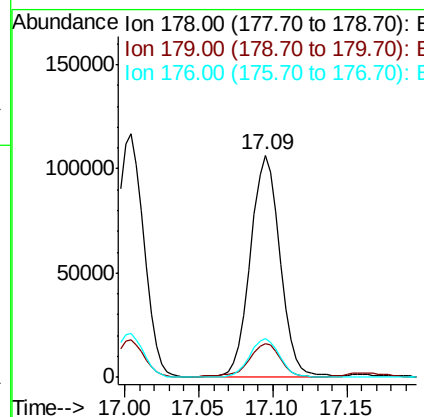
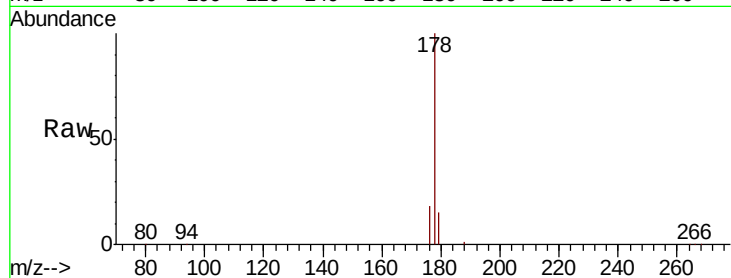
#13
 Anthracene
 Concen: 3.366 ng/ul
 RT: 17.09 min Scan# 4601
 Delta R.T. -0.01 min
 Lab File: BM025641.D
 Acq: 18 Mar 2020 22:58

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3DL

Tot Ion:	178	Resp:	142810
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.6	18.8
176	17.6	14.5	21.7

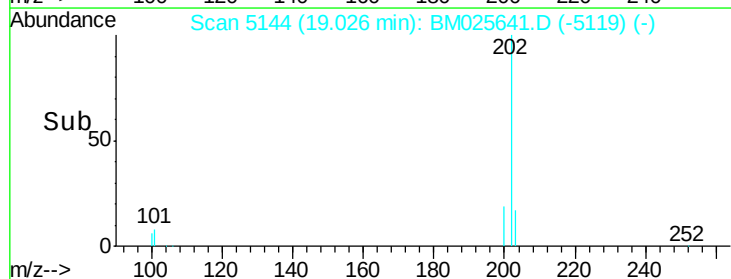
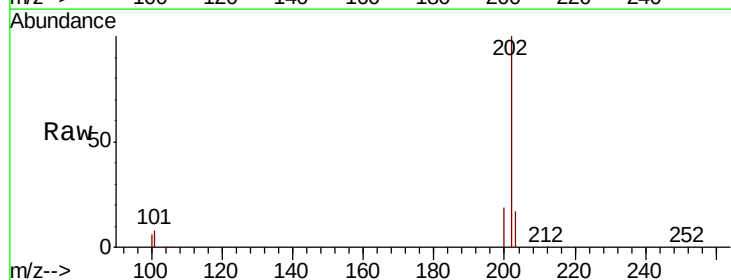
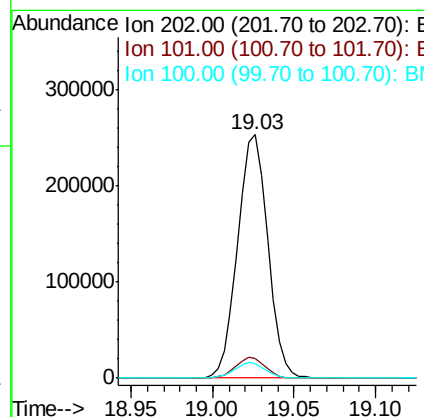
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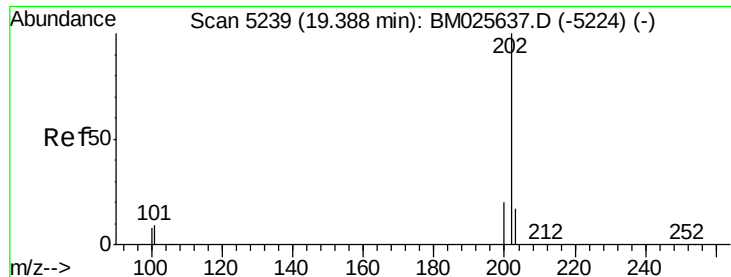
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#15
 Fluoranthene
 Concen: 6.154 ng/ul
 RT: 19.03 min Scan# 5144
 Delta R.T. -0.01 min
 Lab File: BM025641.D
 Acq: 18 Mar 2020 22:58

Tgt Ion:	202	Resp:	325237
Ion Ratio	Lower	Upper	
202	100		
101	8.0	0.0	27.5
100	6.1	0.0	26.0





#17

Pvrene

Concen: 3.261 ng/ul

RT: 19.39 min Scan# 5239

Delta R.T. -0.01 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

Instrument :

BNA_M

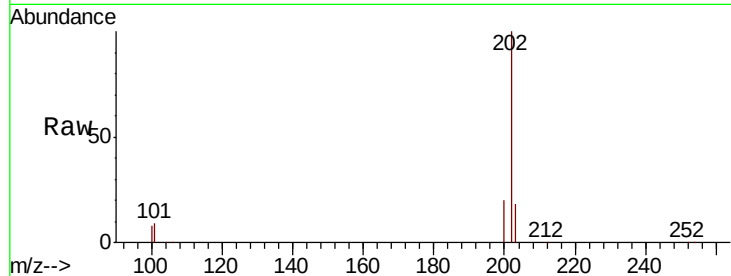
ClientSampleId :

C0AC3DL

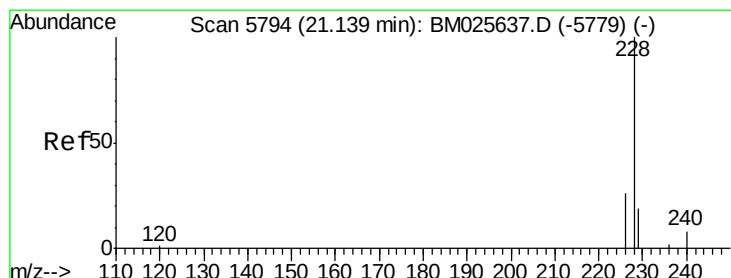
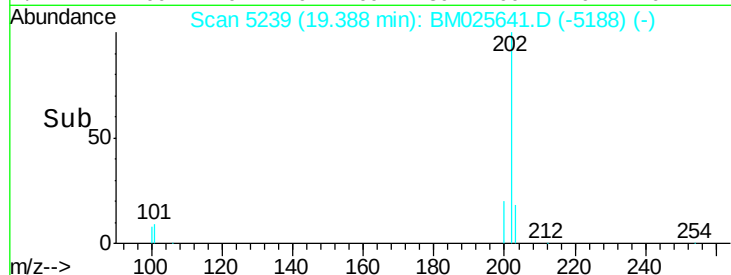
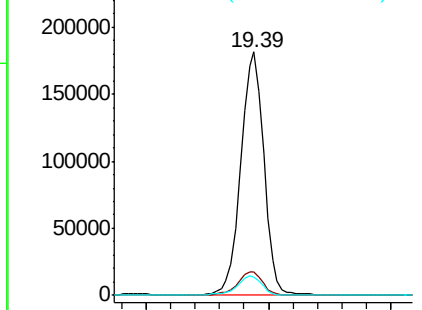
Tot Ion:	202	Resp:	237072
Ion Ratio	Lower	Upper	
202	100		
101	9.4	7.1	10.7
100	7.6	6.0	9.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#18

Benzo(a)anthracene

Concen: 2.551 ng/ul

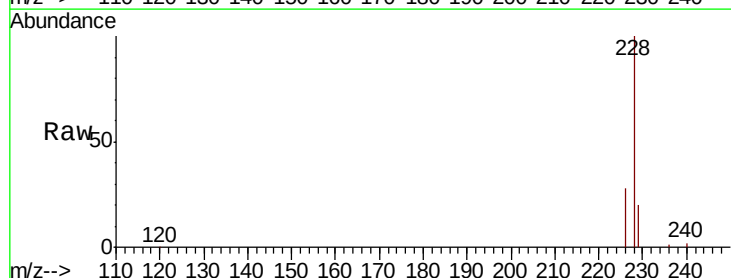
RT: 21.14 min Scan# 5794

Delta R.T. -0.01 min

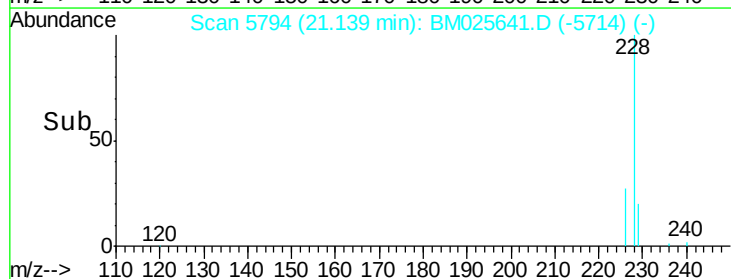
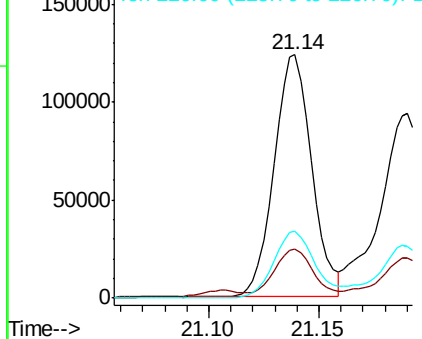
Lab File: BM025641.D

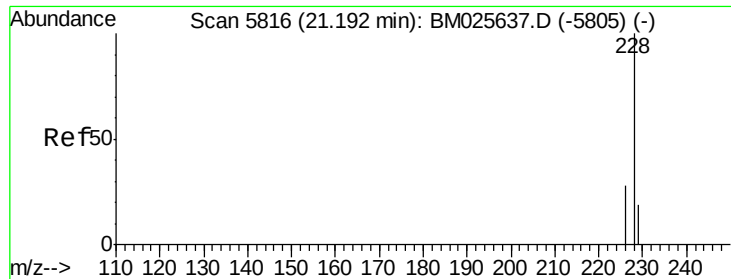
Acq: 18 Mar 2020 22:58

Tgt Ion:	228	Resp:	147743
Ion Ratio	Lower	Upper	
228	100		
229	20.4	15.6	23.4
226	27.5	21.1	31.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.027 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. -0.01 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

Instrument :

BNA_M

ClientSampleId :

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Tot Ion:228 Resp: 131805

Ion Ratio Lower Upper

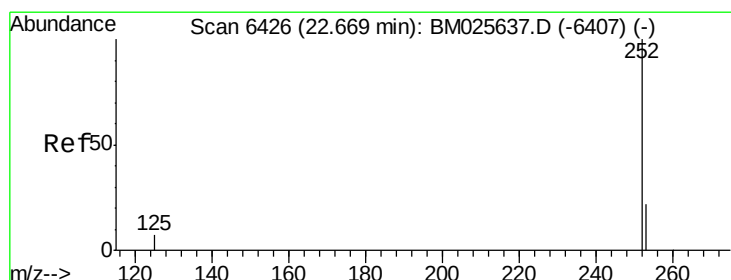
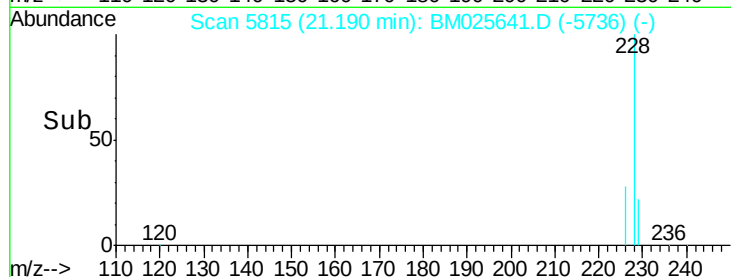
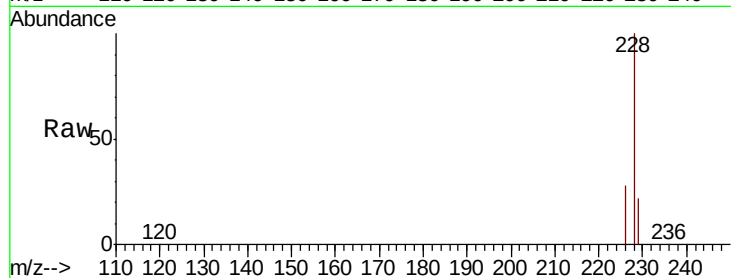
228 100

226 28.3 23.6 35.4

229 21.9 16.3 24.5

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#21

Benzo(b)fluoranthene

Concen: 2.316 ng/ul m

RT: 22.67 min Scan# 6426

Delta R.T. -0.01 min

Lab File: BM025641.D

Acq: 18 Mar 2020 22:58

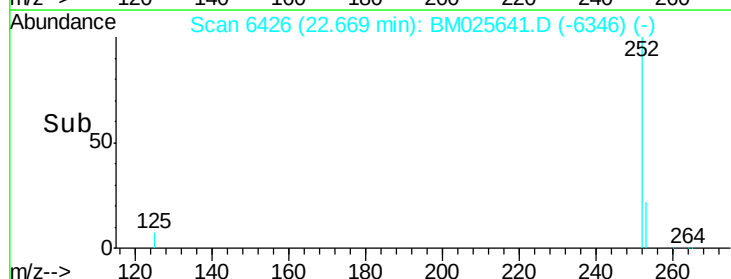
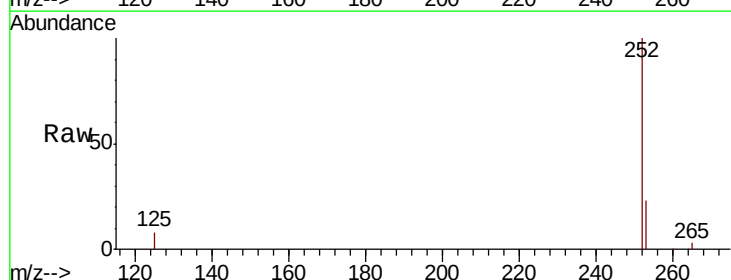
Tgt Ion:252 Resp: 158379

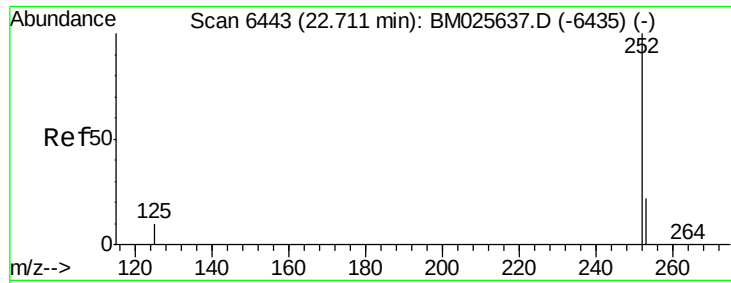
Ion Ratio Lower Upper

252 100

253 23.0 0.0 50.2

125 7.7 0.0 17.6





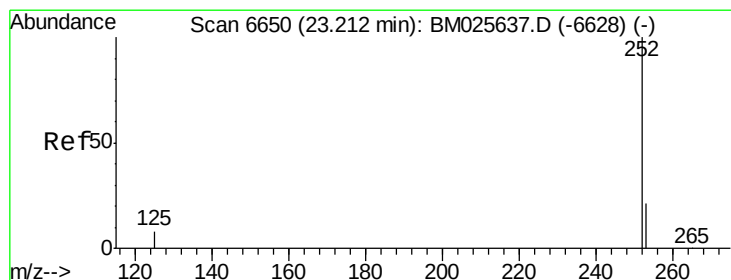
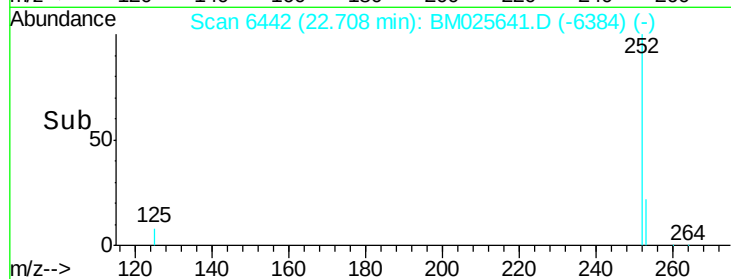
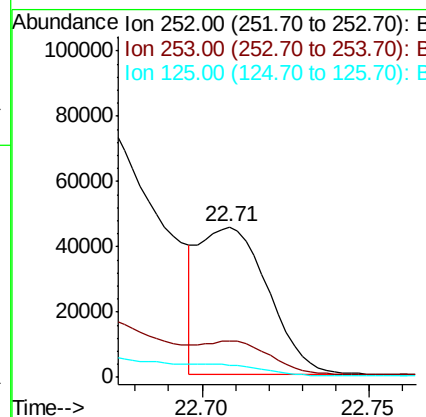
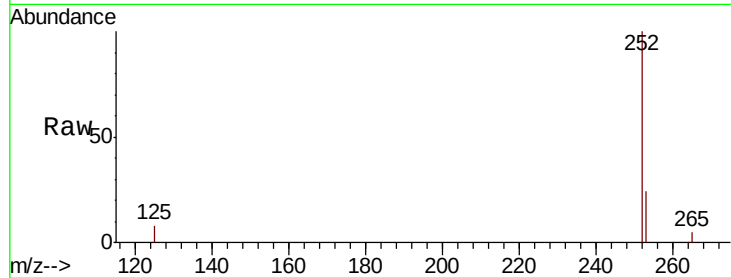
#22
Benzo(k)fluoranthene
Concen: 0.905 ng/ul m
RT: 22.71 min Scan# 6442
Delta R.T. -0.01 min
Lab File: BM025641.D
Acq: 18 Mar 2020 22:58

Instrument :
BNA_M
ClientSampleId :
C0AC3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.8	29.8
125	8.3	7.1	10.7

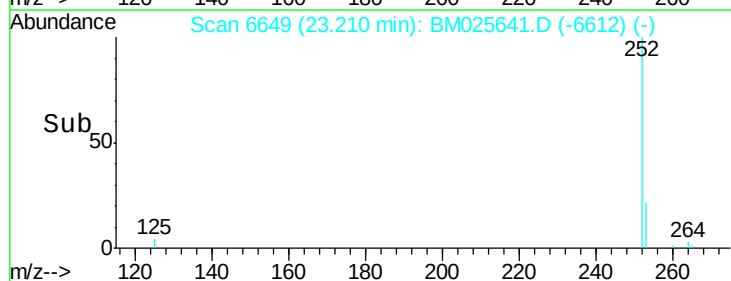
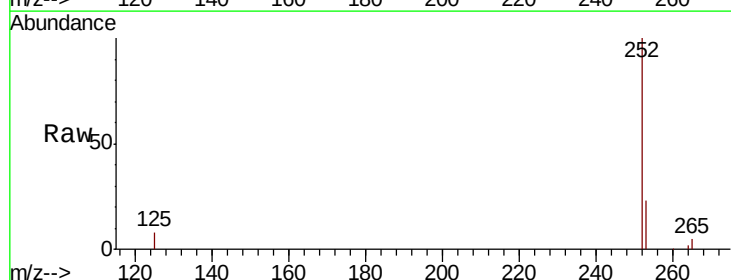
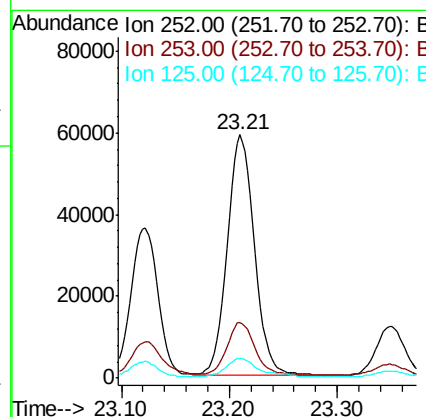
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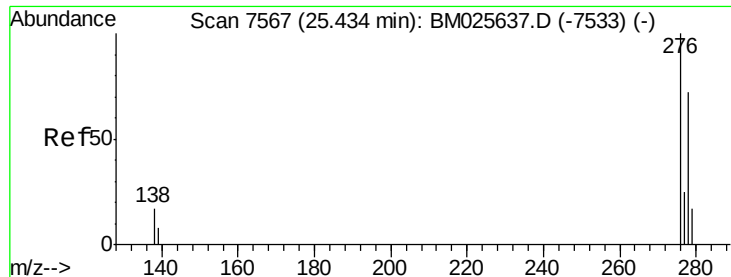
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#23
Benzo(a)pyrene
Concen: 1.826 ng/ul
RT: 23.21 min Scan# 6649
Delta R.T. -0.01 min
Lab File: BM025641.D
Acq: 18 Mar 2020 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	21.3	31.9
125	8.0	8.5	12.7#





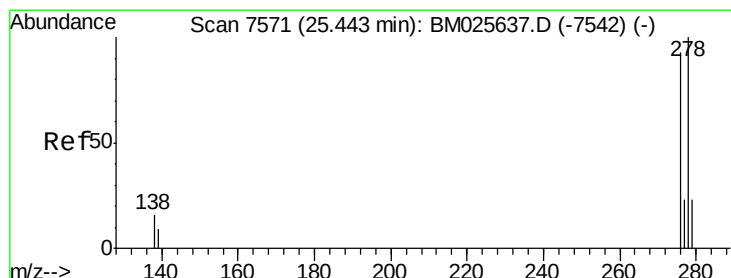
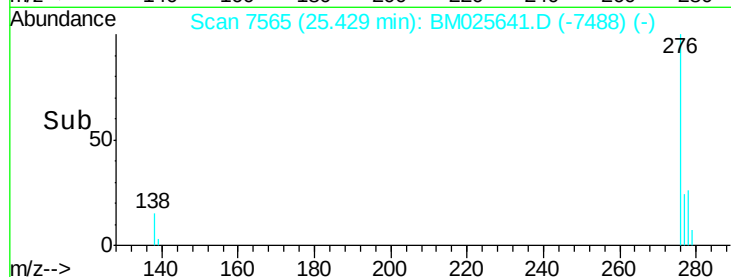
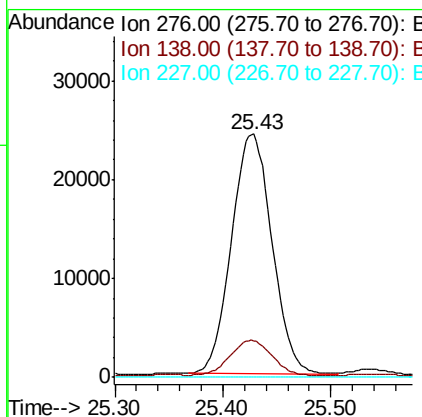
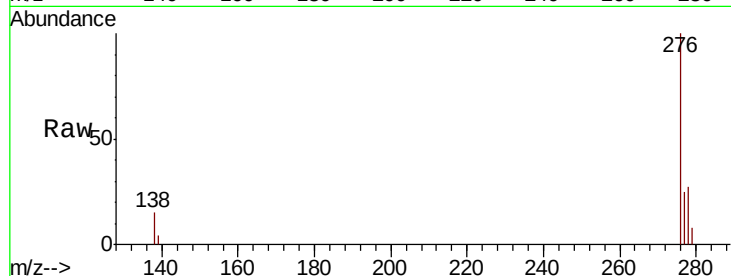
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.822 ng/ul
 RT: 25.43 min Scan# 7565
 Delta R.T. -0.01 min
 Lab File: BM025641.D
 Acq: 18 Mar 2020 22:58

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.3	18.5
227	0.0	0.0	0.0

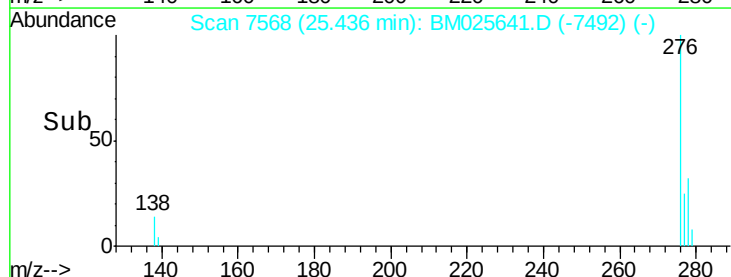
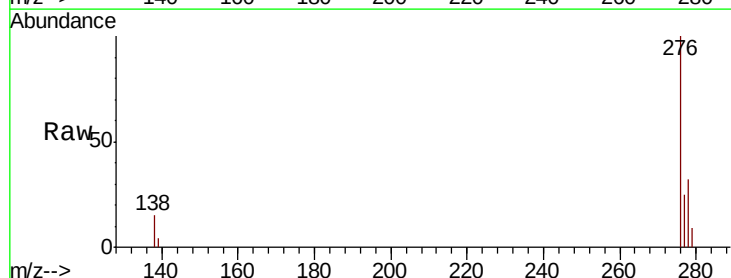
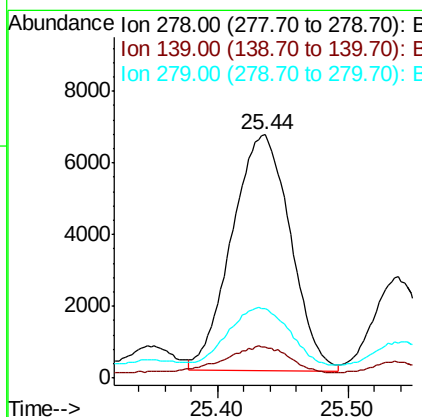
Manual Integrations
 APPROVED

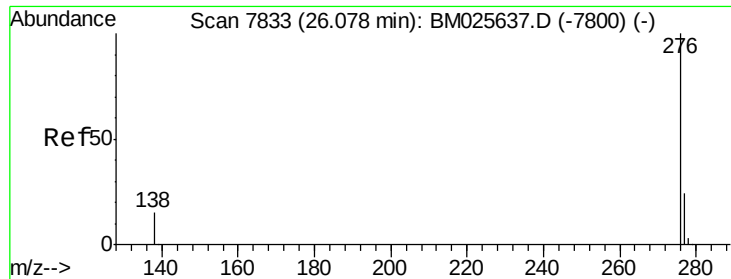
mohammad
 3/19/2020 12:43:45 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.315 ng/ul
 RT: 25.44 min Scan# 7568
 Delta R.T. -0.02 min
 Lab File: BM025641.D
 Acq: 18 Mar 2020 22:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.0	9.0	13.6
279	28.7	21.1	31.7





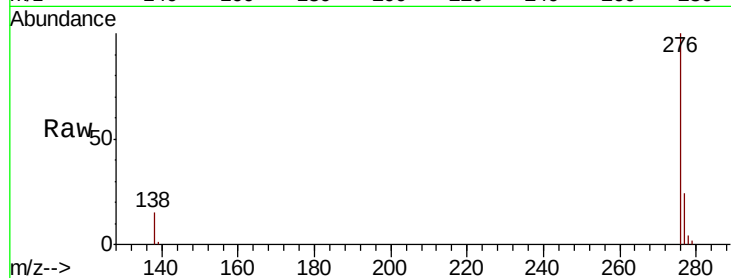
#26
 Benzo(a,h,i)perylene
 Concen: 0.598 ng/ul
 RT: 26.07 min Scan# 7831
 Delta R.T. -0.01 min
 Lab File: BM025641.D
 Acq: 18 Mar 2020 22:58

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.1	11.0	16.4
277	24.0	19.8	29.6

Manual Integrations
 APPROVED

mohammad
 3/19/2020 12:43:45 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

