

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\
 Data File : BM025486.D
 Acq On : 11 Mar 2020 12:01
 Operator : CG/JU
 Sample : L1677-04
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0CC8

Manual Integrations
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Quant Time: Mar 11 13:52:24 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 11 07:15:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	3269	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	14870	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	10951	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	25161	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	19370	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	17645	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	2349	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	6796	0.10	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	4152	0.094	ng/ul	96
5) 2-Methylnaphthalene	12.09	142	3835	0.122	ng/ul	100
7) Acenaphthylene	14.00	152	3241	0.072	ng/ul#	93
8) Acenaphthene	14.35	153	13581	0.346	ng/ul	99
9) Fluorene	15.34	166	31999	0.669	ng/ul	99
12) Phenanthrene	17.07	178	93836	1.177	ng/ul	100
13) Anthracene	17.16	178	17152	0.247	ng/ul	99
15) Fluoranthene	19.09	202	270725	3.132	ng/ul	98
17) Pyrene	19.45	202	183728	2.113	ng/ul	98
18) Benzo(a)anthracene	21.20	228	38047	0.549	ng/ul	98
19) Chrysene	21.25	228	40808	0.525	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	41911m	0.600	ng/ul	
22) Benzo(k)fluoranthene	22.79	252	18429m	0.252	ng/ul	
23) Benzo(a)pyrene	23.31	252	25951	0.447	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.57	276	16773	0.213	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.58	278	4768	0.072	ng/ul#	76
26) Benzo(a,h,i)perylene	26.24	276	15304	0.224	ng/ul	98

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

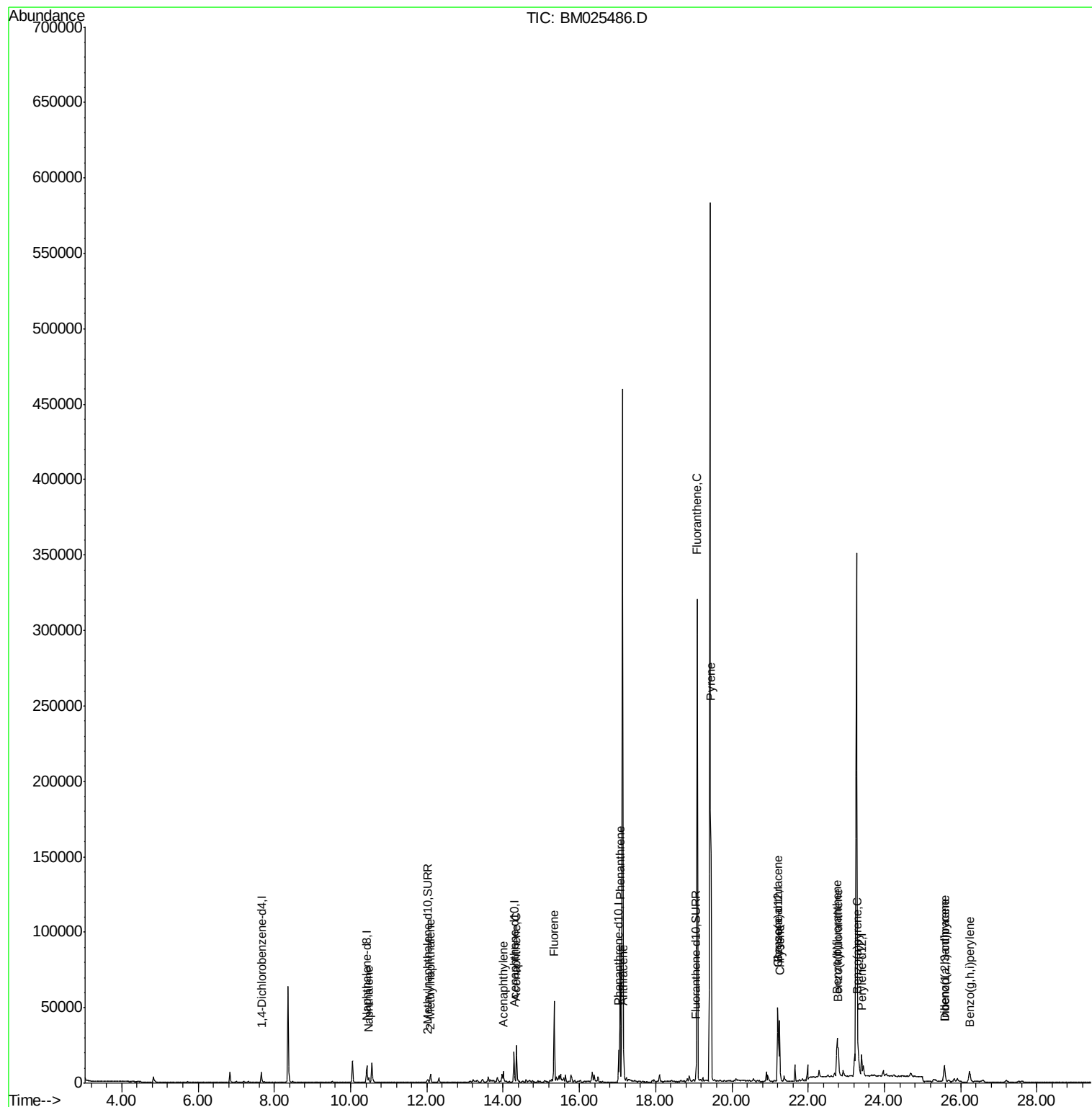
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\
Data File : BM025486.D
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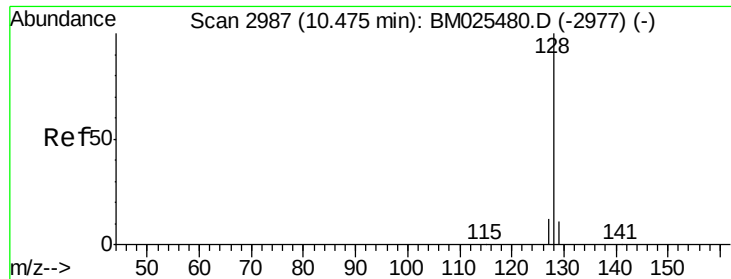
Instrument :
BNA_M
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Quant Time: Mar 11 13:52:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
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#3

Naphthalene

Concen: 0.094 ng/ul

RT: 10.47 min Scan# 2987

Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Instrument :

BNA_M

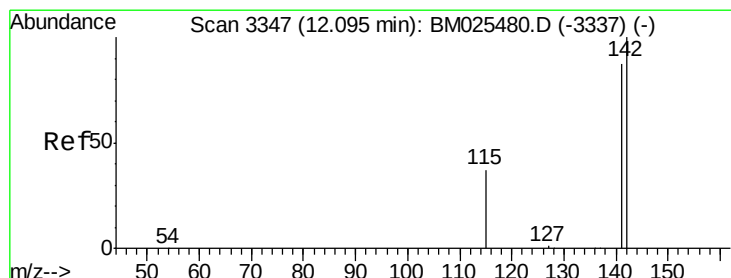
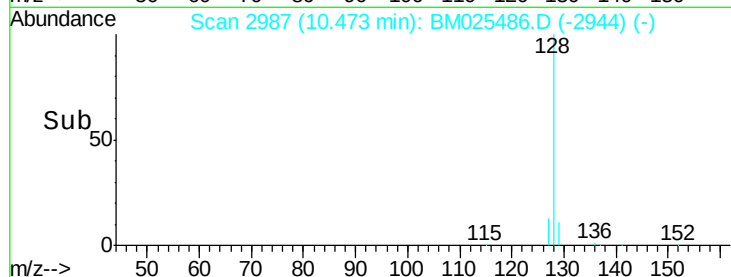
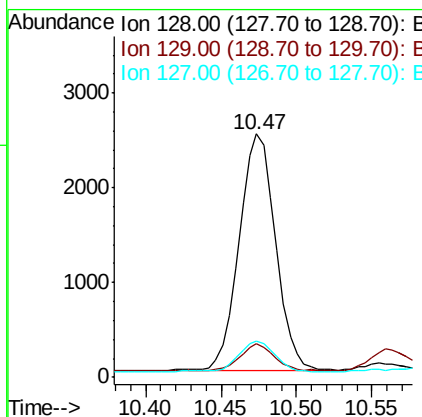
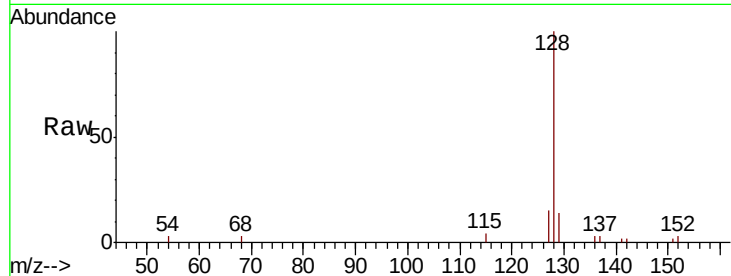
ClientSampleId :

C0CC8

Tot Ion:	128	Resp:	4152
Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.4	14.0
127	14.9	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 0.122 ng/ul

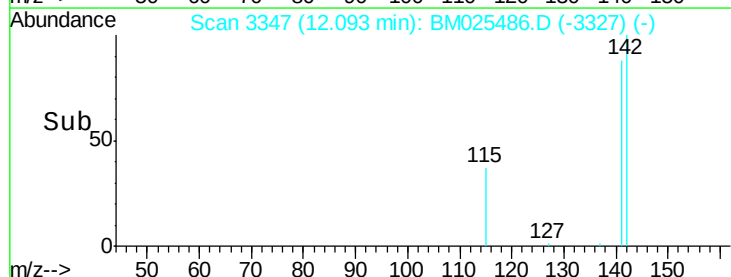
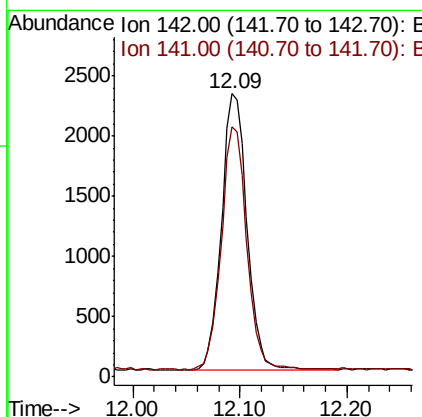
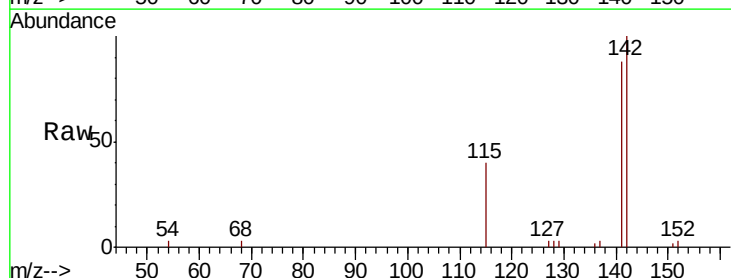
RT: 12.09 min Scan# 3347

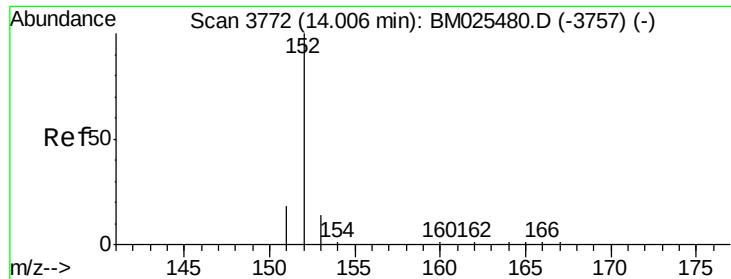
Delta R.T. -0.01 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Tgt Ion:	142	Resp:	3835
Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.8	104.6





#7

Acenaphthylene

Concen: 0.072 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Instrument :

BNA_M

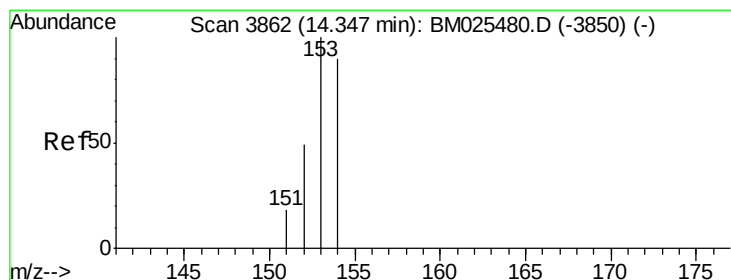
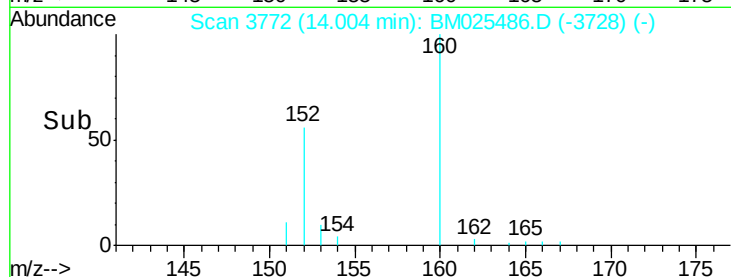
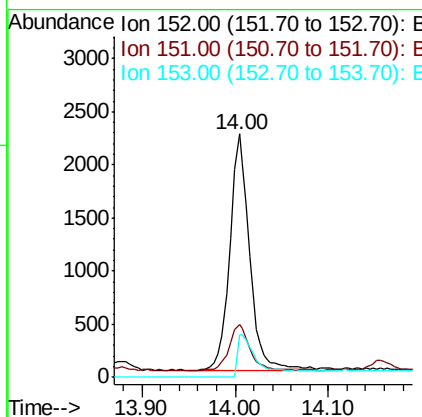
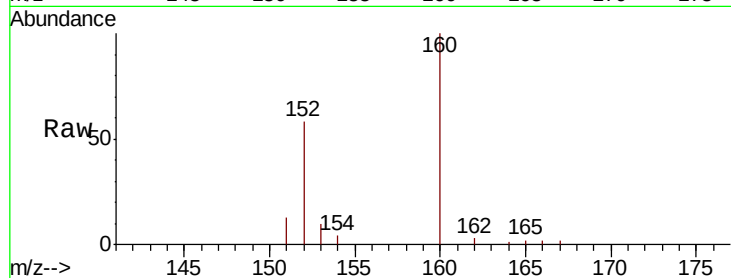
ClientSampleId :

C0CC8

Tot Ion:	152	Resp:	3241
Ion Ratio	Lower	Upper	
152	100		
151	21.9	16.2	24.2
153	17.7	10.6	16.0#

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#8

Acenaphthene

Concen: 0.346 ng/ul

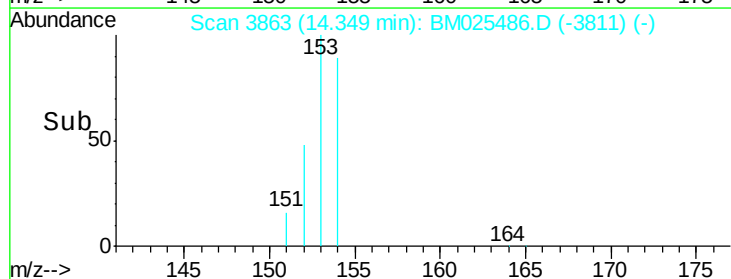
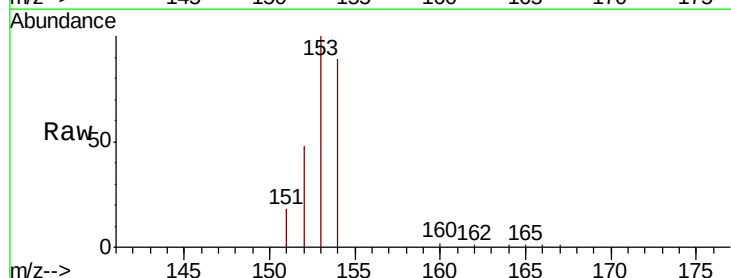
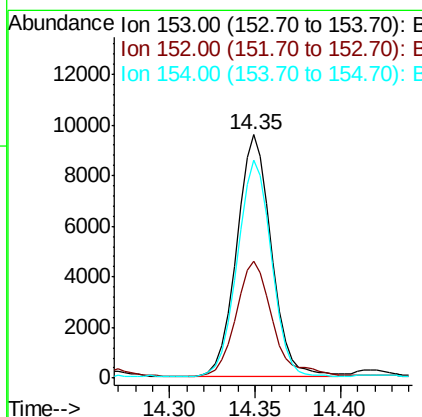
RT: 14.35 min Scan# 3863

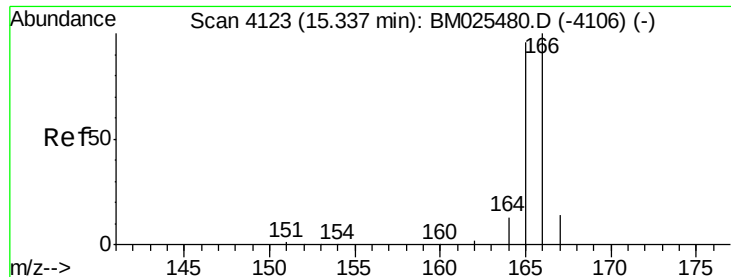
Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Tgt Ion:	153	Resp:	13581
Ion Ratio	Lower	Upper	
153	100		
152	48.2	39.5	59.3
154	89.3	71.7	107.5





#9

Fluorene

Concen: 0.669 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Instrument :

BNA_M

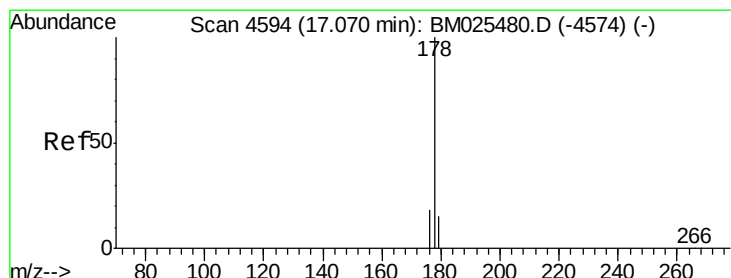
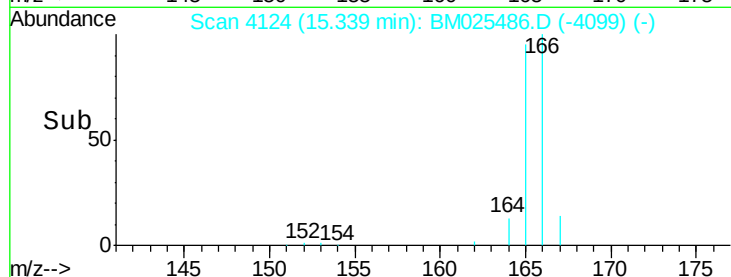
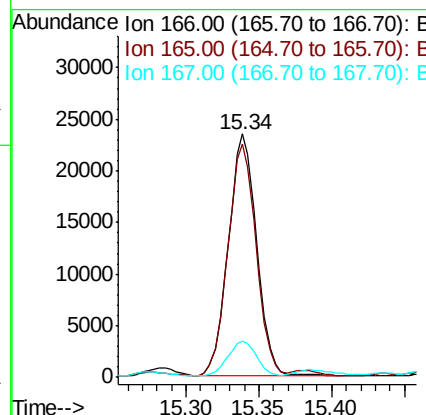
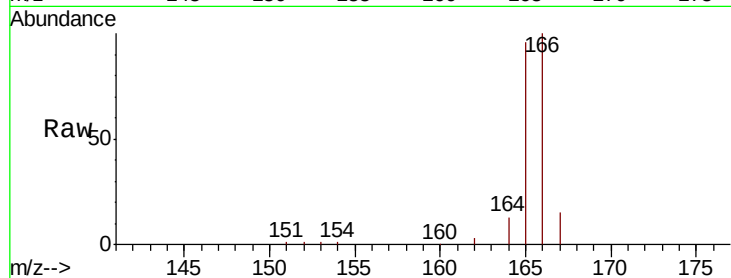
ClientSampleId :

C0CC8

Tot Ion:	166	Resp:	31999
Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.8	115.2
167	15.0	11.2	16.8

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#12

Phenanthrene

Concen: 1.177 ng/ul

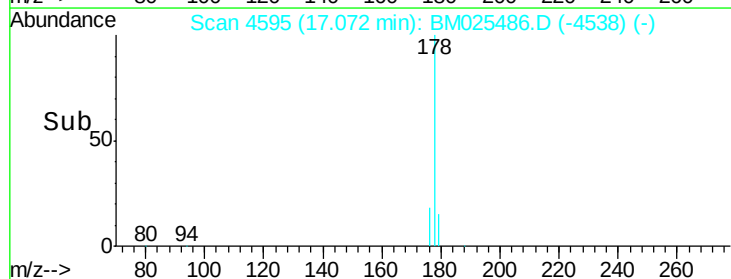
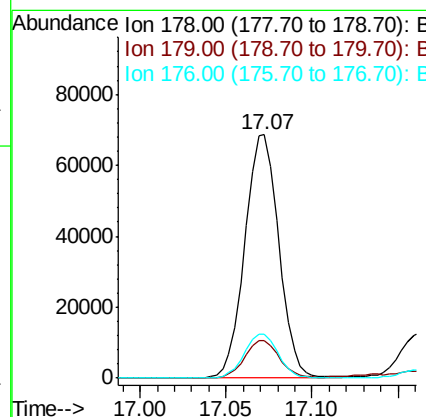
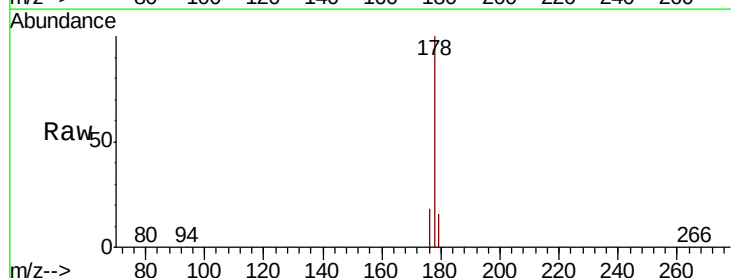
RT: 17.07 min Scan# 4595

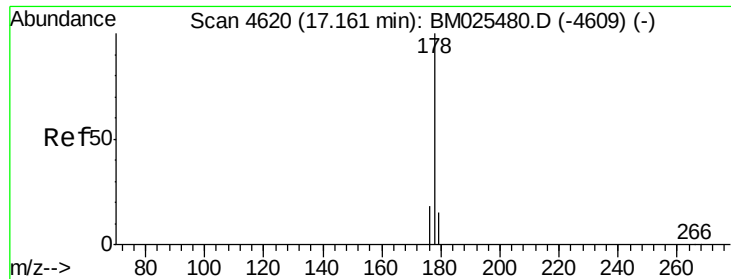
Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Tgt Ion:	178	Resp:	93836
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.2	14.8	22.2





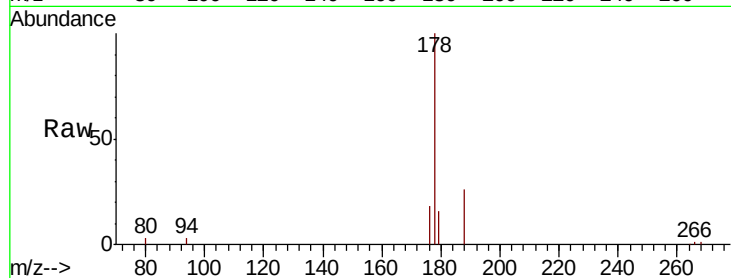
#13
 Anthracene
 Concen: 0.247 ng/ul
 RT: 17.16 min Scan# 4621
 Delta R.T. -0.00 min
 Lab File: BM025486.D
 Acq: 11 Mar 2020 12:01

Instrument :
 BNA_M
 ClientSampleId :
 C0CC8

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.6	18.8
176	17.9	14.5	21.7

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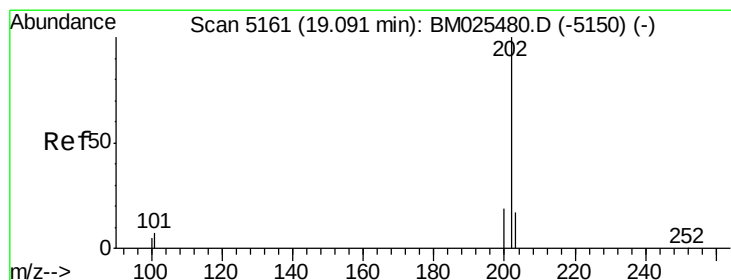
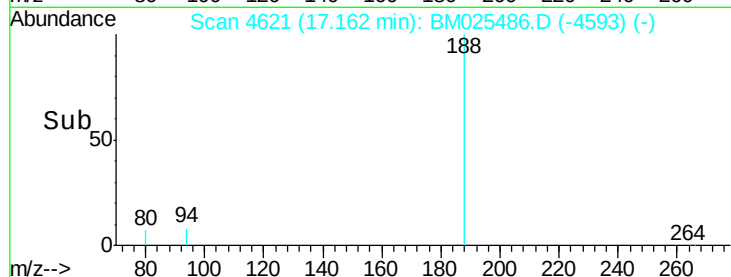
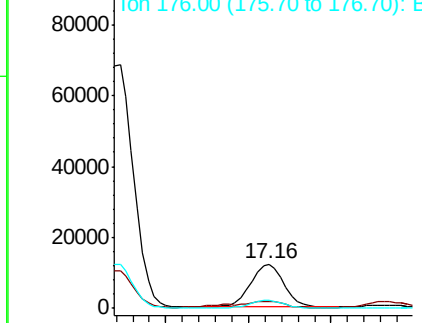


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15
 Fluoranthene
 Concen: 3.132 ng/ul
 RT: 19.09 min Scan# 5161
 Delta R.T. -0.00 min
 Lab File: BM025486.D
 Acq: 11 Mar 2020 12:01

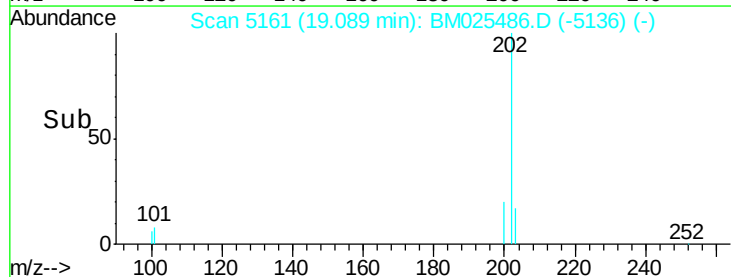
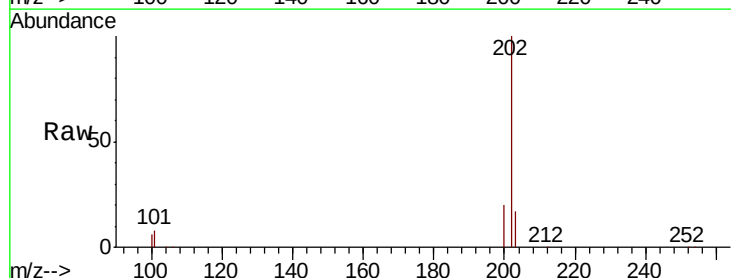
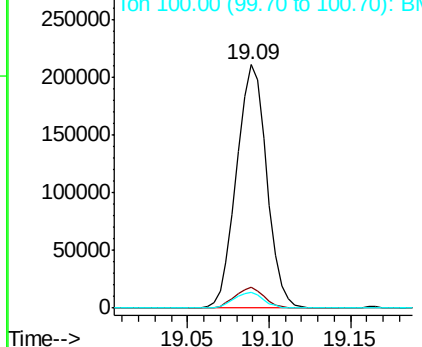
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.5
100	6.4	0.0	26.0

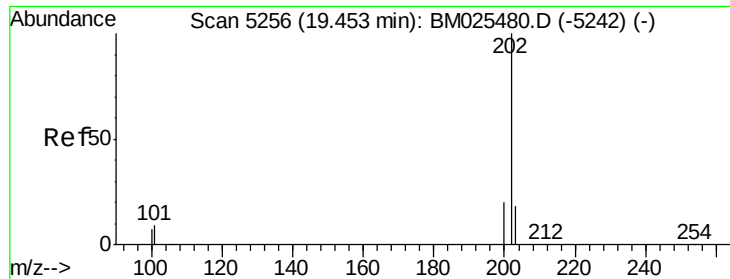
Abundance

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





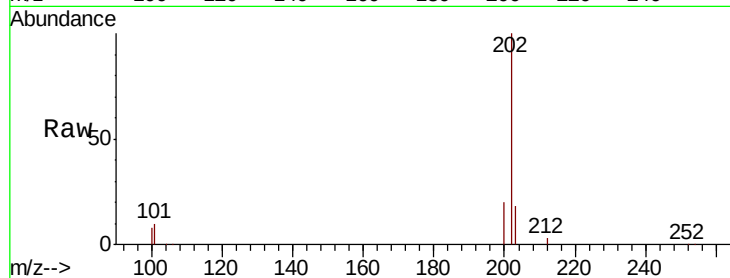
#17
Pvrene
Concen: 2.113 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.00 min
Lab File: BM025486.D
Acq: 11 Mar 2020 12:01

Instrument :
BNA_M
ClientSampleId :
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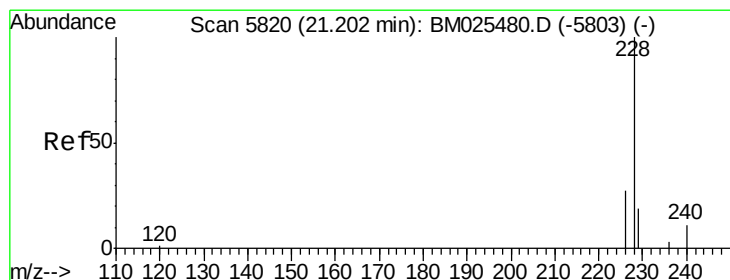
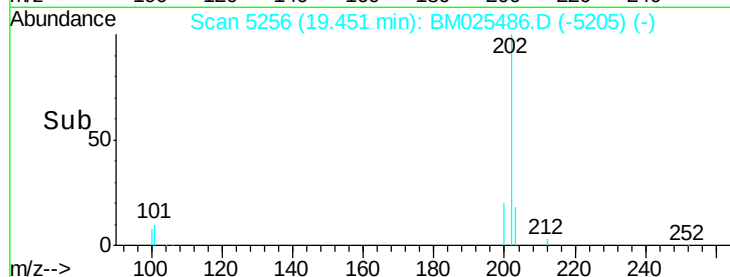
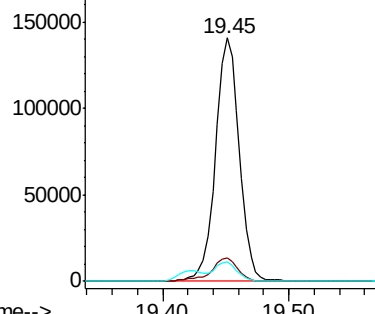
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	7.1	10.7
100	7.9	6.0	9.0

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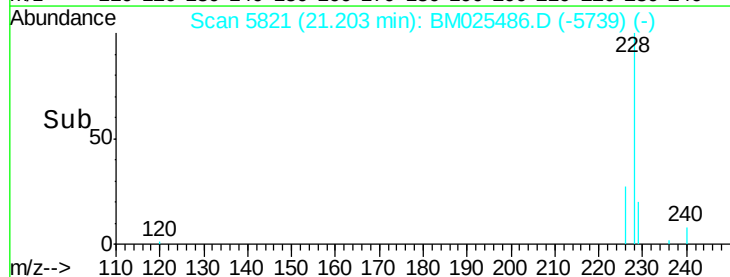
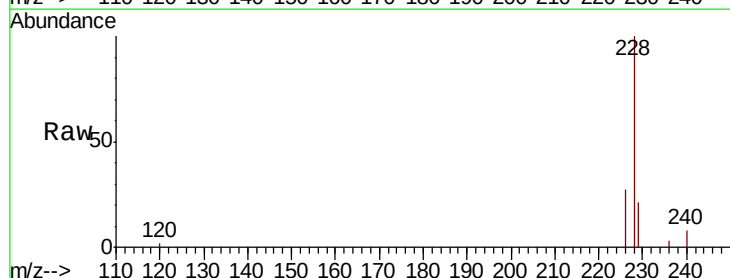
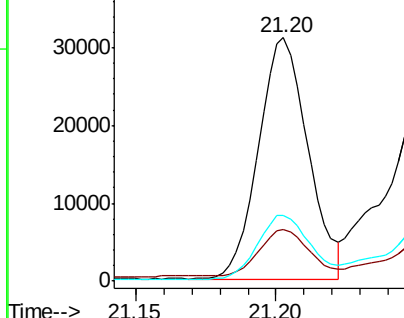
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

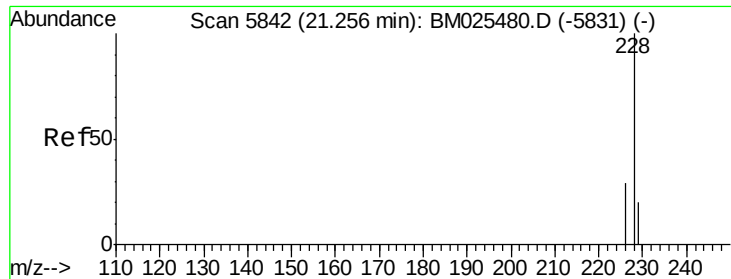


#18
Benzo(a)anthracene
Concen: 0.549 ng/ul
RT: 21.20 min Scan# 5821
Delta R.T. -0.00 min
Lab File: BM025486.D
Acq: 11 Mar 2020 12:01

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.1	15.6	23.4
226	27.2	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: 0.525 ng/ul

RT: 21.25 min Scan# 5842

Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Instrument :

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ClientSampleId :

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Tot Ion:228 Resp: 40808

Ion Ratio Lower Upper

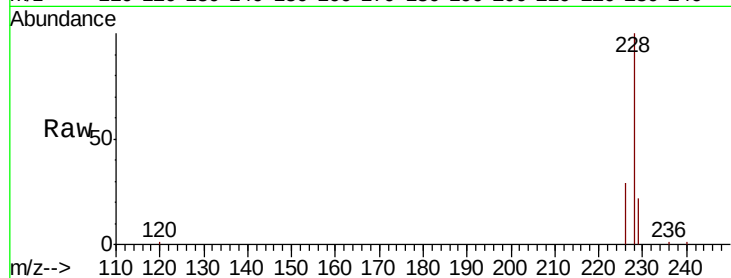
228 100

226 29.2 23.6 35.4

229 22.2 16.3 24.5

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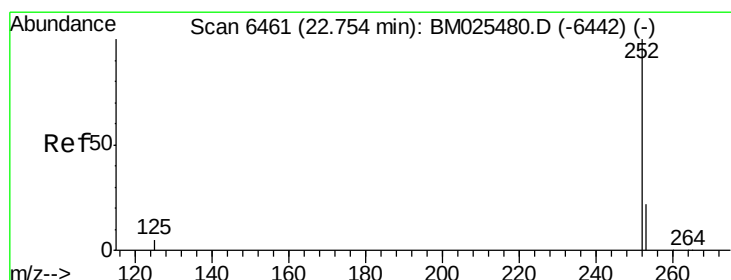
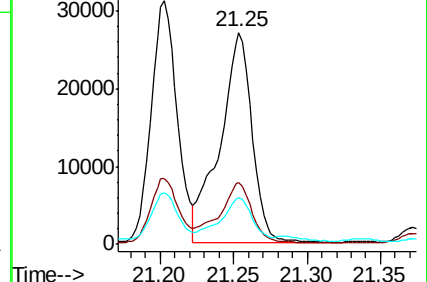
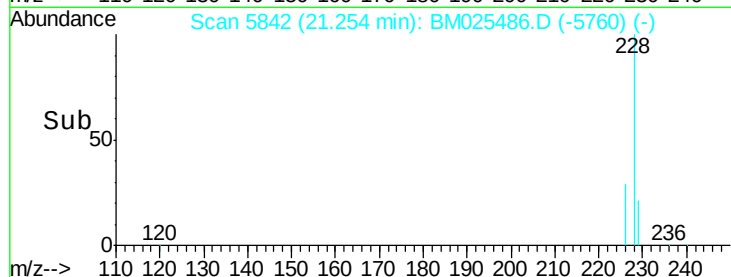
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 0.600 ng/ul m

RT: 22.76 min Scan# 6463

Delta R.T. 0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

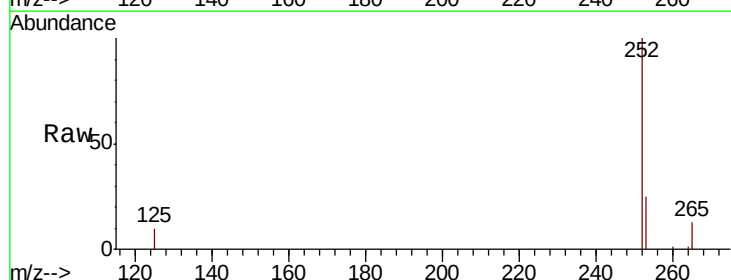
Tgt Ion:252 Resp: 41911

Ion Ratio Lower Upper

252 100

253 24.9 0.0 50.2

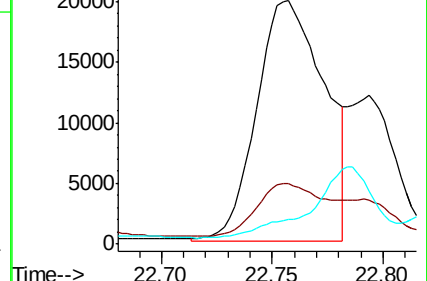
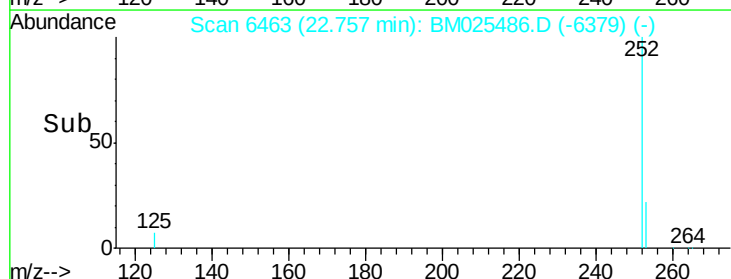
125 10.1 0.0 17.6

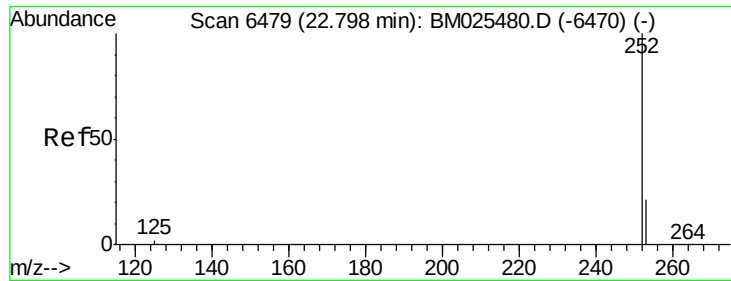


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.252 ng/ul m

RT: 22.79 min Scan# 6478

Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Instrument :

BNA_M

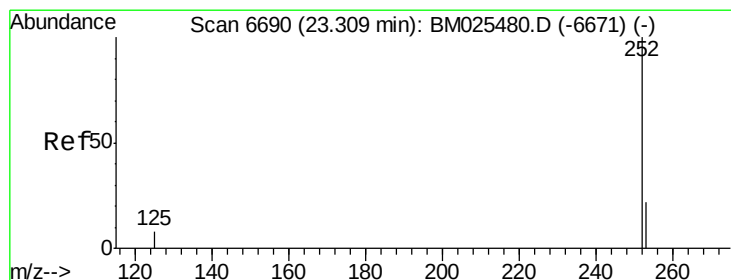
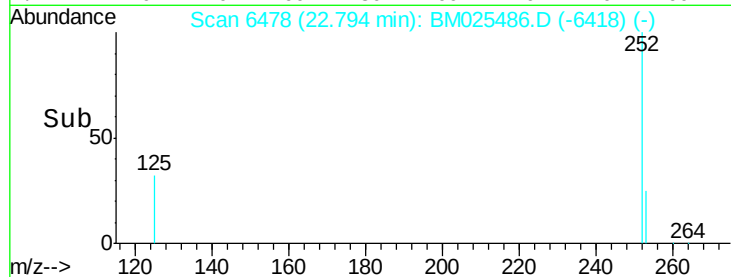
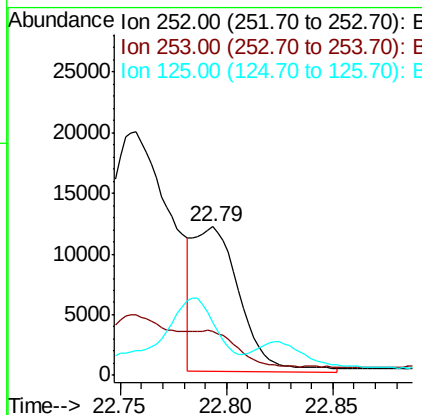
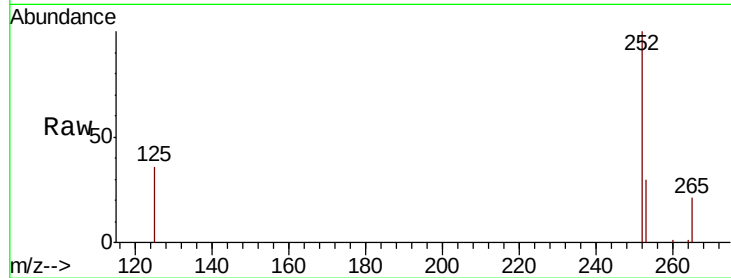
ClientSampleId :

C0CC8

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	19.8	29.8
125	35.8	7.1	10.7

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#23

Benzo(a)pyrene

Concen: 0.447 ng/ul

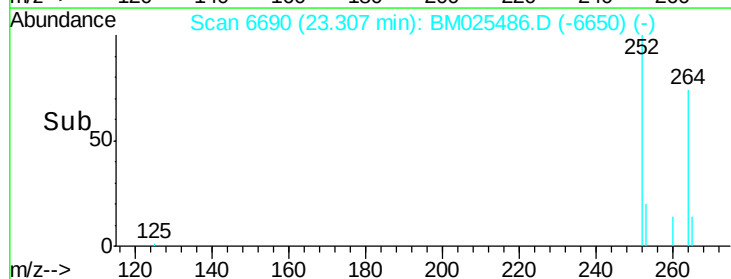
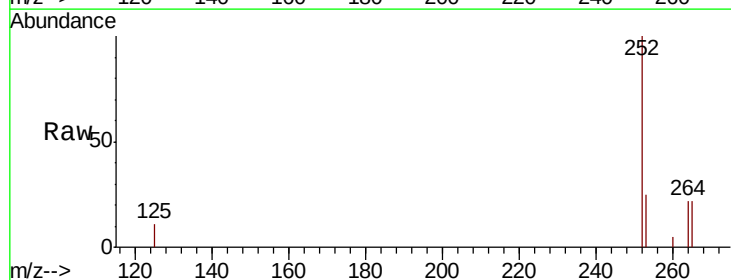
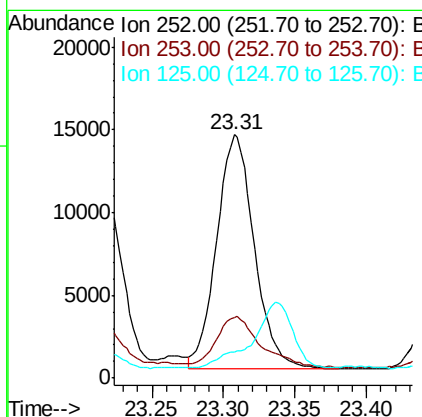
RT: 23.31 min Scan# 6690

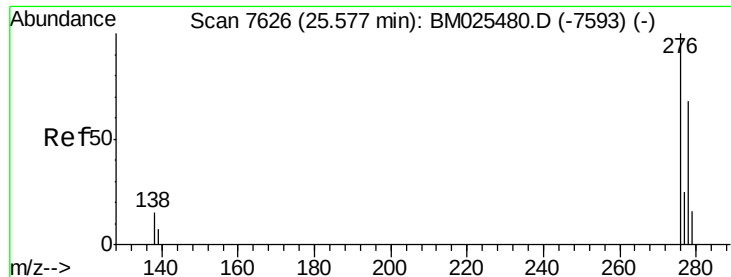
Delta R.T. -0.00 min

Lab File: BM025486.D

Acq: 11 Mar 2020 12:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	21.3	31.9
125	10.7	8.5	12.7





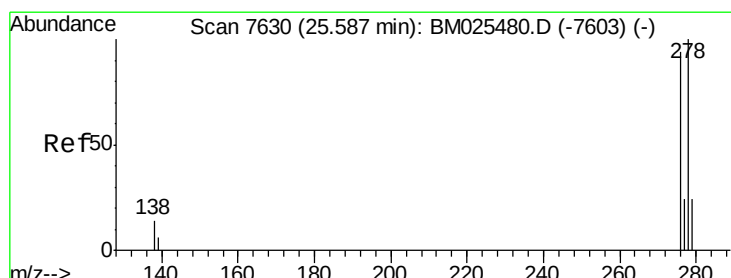
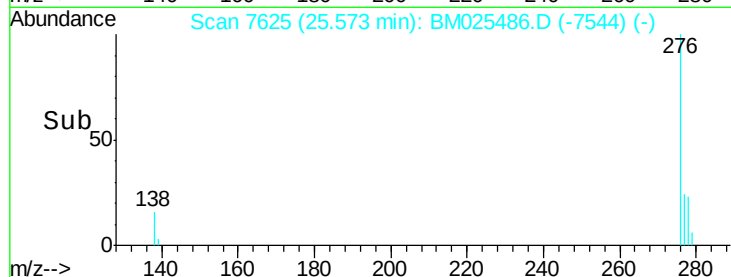
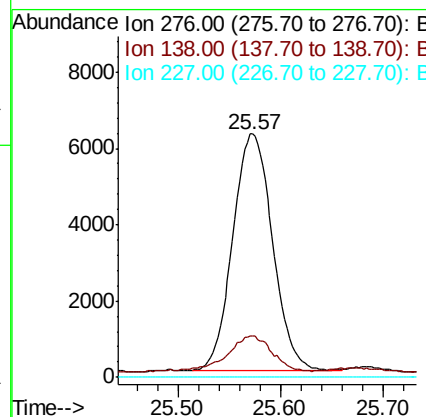
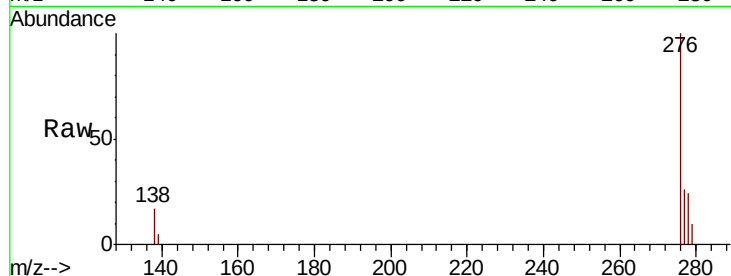
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.213 ng/ul
RT: 25.57 min Scan# 7625
Delta R.T. -0.00 min
Lab File: BM025486.D
Acq: 11 Mar 2020 12:01

Instrument :
BNA_M
ClientSampleId :
C0CC8

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.3	18.5
227	0.0	0.0	0.0

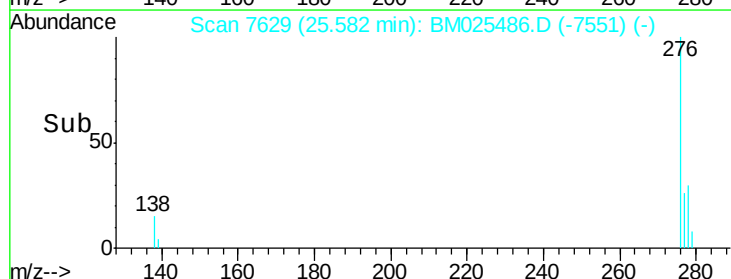
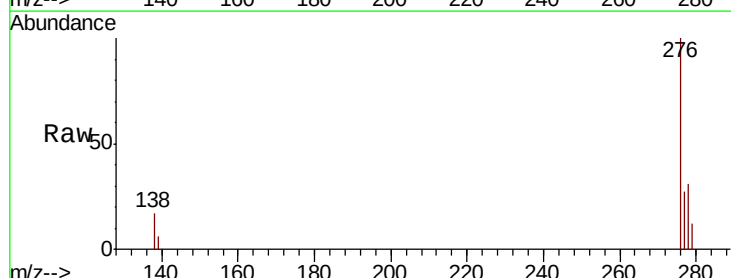
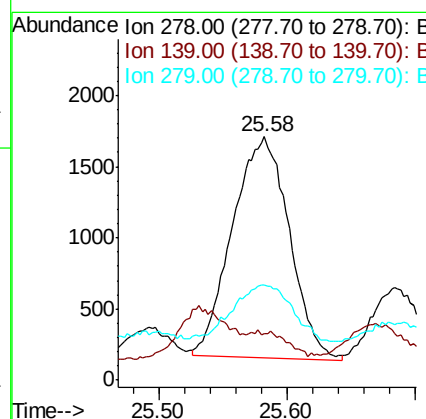
Manual Integrations
APPROVED

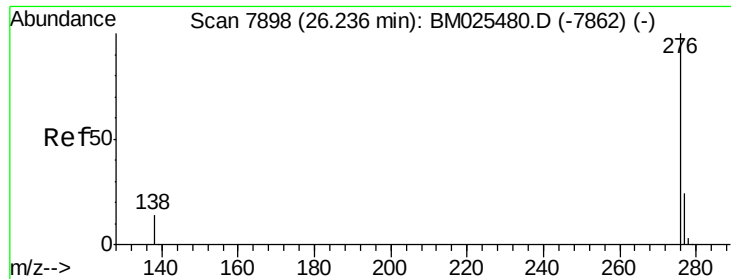
mohammad
3/13/2020 8:48:35 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.072 ng/ul
RT: 25.58 min Scan# 7629
Delta R.T. -0.01 min
Lab File: BM025486.D
Acq: 11 Mar 2020 12:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	9.0	13.6#
279	39.2	21.1	31.7#





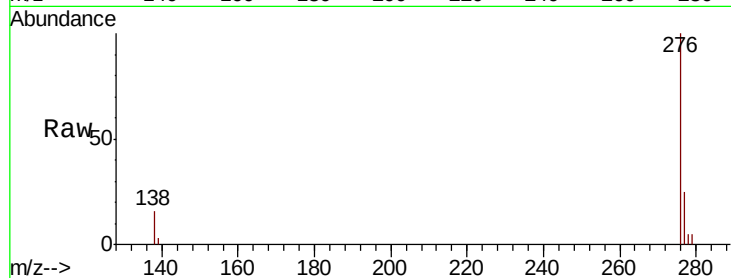
#26
 Benzo(a,h,i)perylene
 Concen: 0.224 ng/ul
 RT: 26.24 min Scan# 7899
 Delta R.T. -0.00 min
 Lab File: BM025486.D
 Acq: 11 Mar 2020 12:01

Instrument :
 BNA_M
 ClientSampleId :
 C0CC8

Tot Ion:	276	Resp:	15304
Ion Ratio	Lower	Upper	
276	100		
138	16.2	11.0	16.4
277	24.9	19.8	29.6

Manual Integrations
 APPROVED

mohammad
 3/13/2020 8:48:35 AM



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

