

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040420\
 Data File : BM025920.D
 Acq On : 03 Apr 2020 19:57
 Operator : CG/JU
 Sample : L2062-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F3E04

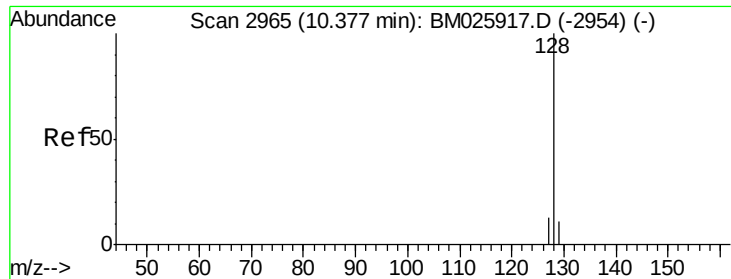
Manual Integrations
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 4/6/2020 1:40:46 PM

Quant Time: Apr 03 23:02:20 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	4902	0.40	ng/ul	0.00
2) Naphthalene-d8	10.33	136	21570	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	14697	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	32258m	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	26974	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	20949	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	9587	0.25	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	28034	0.28	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.38	128	14327	0.226	ng/ul	99
5) 2-Methylnaphthalene	12.00	142	4508	0.102	ng/ul	99
7) Acenaphthylene	13.92	152	43828	0.697	ng/ul	98
8) Acenaphthene	14.26	153	23000	0.441	ng/ul	99
9) Fluorene	15.25	166	36532	0.565	ng/ul	99
11) Pentachlorophenol	16.61	266	255	0.032	ng/ul	92
12) Phenanthrene	16.99	178	156217	1.537	ng/ul	99
13) Anthracene	17.08	178	221368	2.466	ng/ul	99
15) Fluoranthene	19.01	202	1289091	10.266	ng/ul	99
17) Pyrene	19.38	202	1783802	18.465	ng/ul	99
18) Benzo(a)anthracene	21.12	228	1050182	10.892	ng/ul	98
19) Chrysene	21.18	228	1809320	17.192	ng/ul	99
21) Benzo(b)fluoranthene	22.66	252	2267111m	29.406	ng/ul	
22) Benzo(k)fluoranthene	22.69	252	809532m	9.793	ng/ul	
23) Benzo(a)pyrene	23.20	252	923615	13.406	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.41	276	437871	4.745	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.41	278	126207	1.639	ng/ul	98
26) Benzo(g,h,i)perylene	26.05	276	247268	3.168	ng/ul	99

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



#3

Naphthalene

Concen: 0.226 ng/ul

RT: 10.38 min Scan# 2965

Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Instrument :

BNA_M

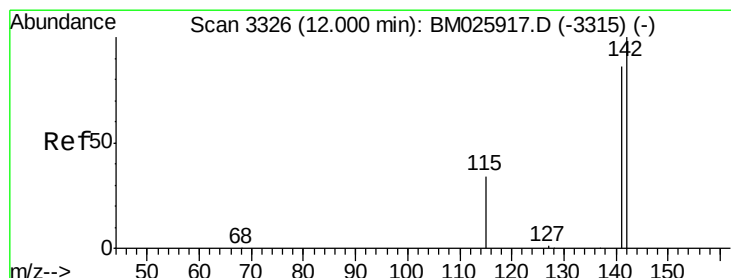
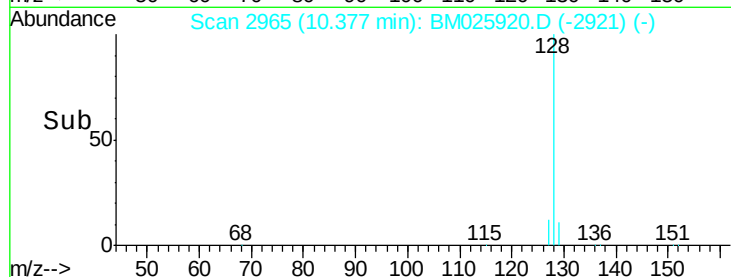
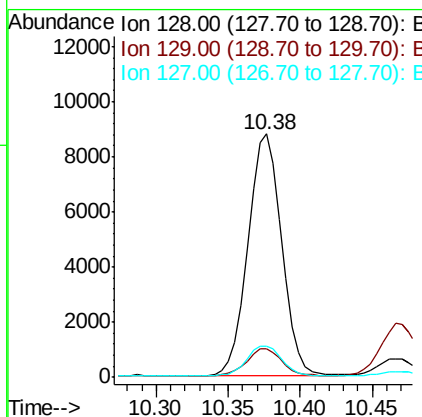
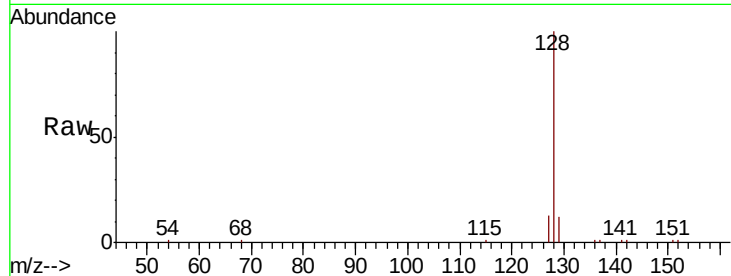
ClientSampleId :

F3E04

Tot Ion:128	Resp:	14327
Ion Ratio	Lower	Upper
128	100	
129	11.6	9.1 13.7
127	13.0	10.7 16.1

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#5

2-Methylnaphthalene

Concen: 0.102 ng/ul

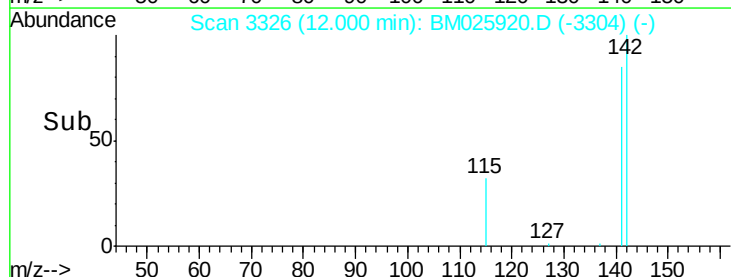
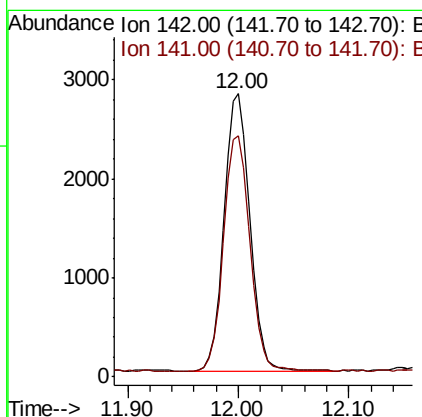
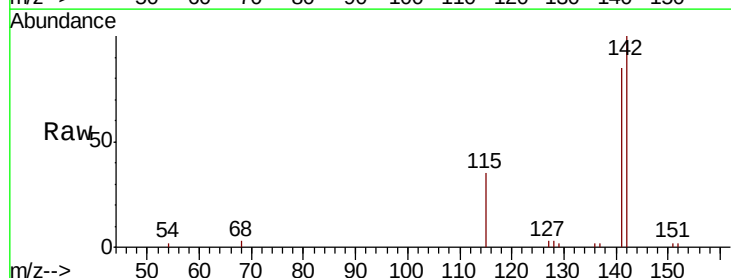
RT: 12.00 min Scan# 3326

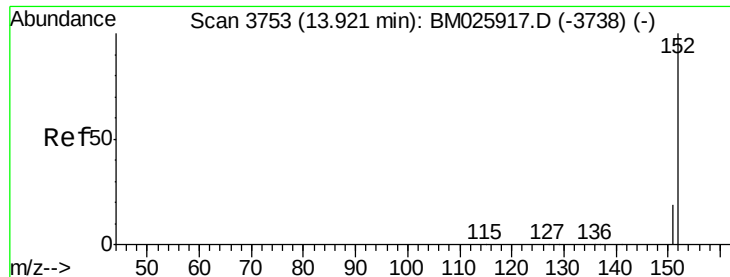
Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Tgt Ion:142	Resp:	4508
Ion Ratio	Lower	Upper
142	100	
141	87.0	69.0 103.6





#7

Acenaphthylene

Concen: 0.697 ng/ul

RT: 13.92 min Scan# 3753

Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Instrument :

BNA_M

ClientSampleId :

F3E04

Tot Ion:152 Resp: 43828

Ion Ratio Lower Upper

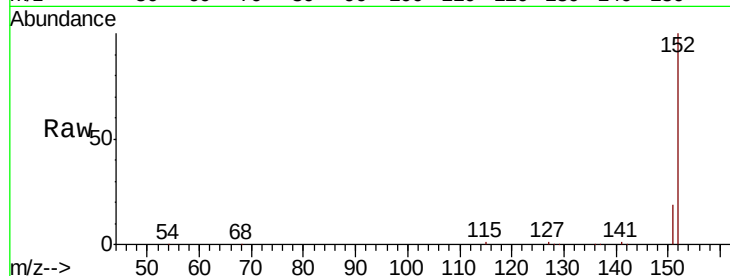
152 100

151 19.2 16.1 24.1

153 0.0 0.0 0.0

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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

13.92

40000

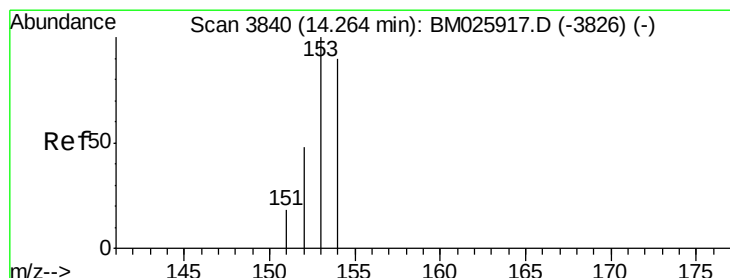
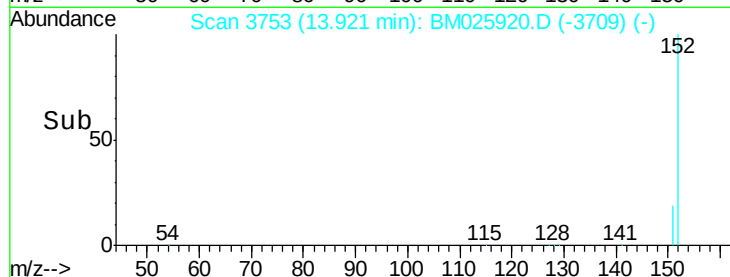
30000

20000

10000

0

Time-->



#8

Acenaphthene

Concen: 0.441 ng/ul

RT: 14.26 min Scan# 3840

Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

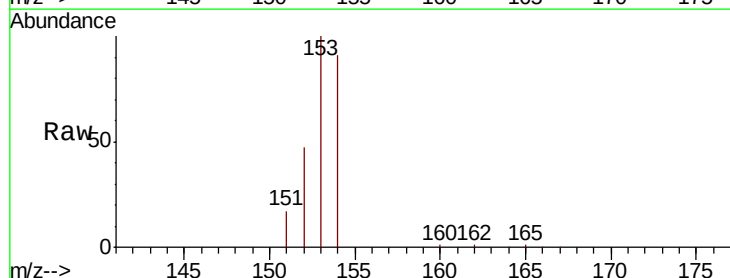
Tgt Ion:153 Resp: 23000

Ion Ratio Lower Upper

153 100

152 47.5 38.8 58.2

154 90.6 71.9 107.9



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

14.26

20000

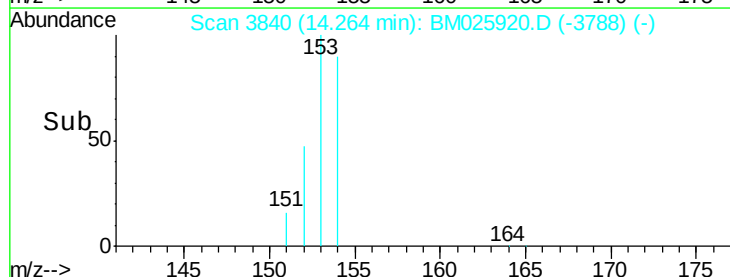
15000

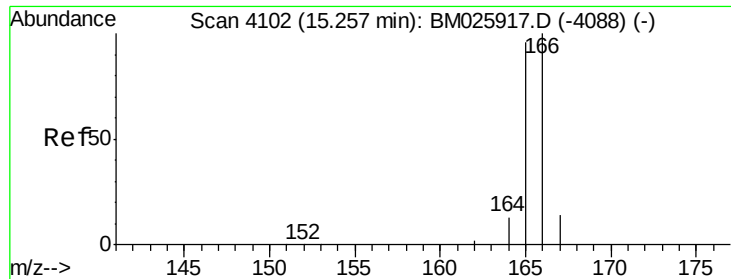
10000

5000

0

Time-->





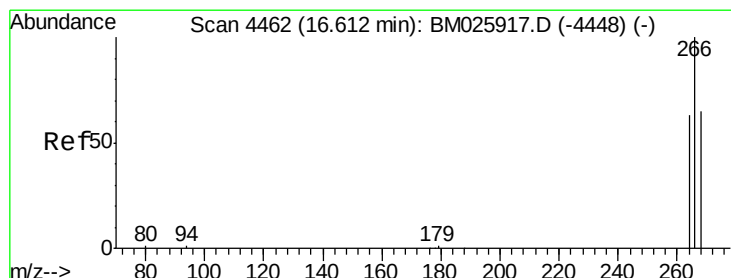
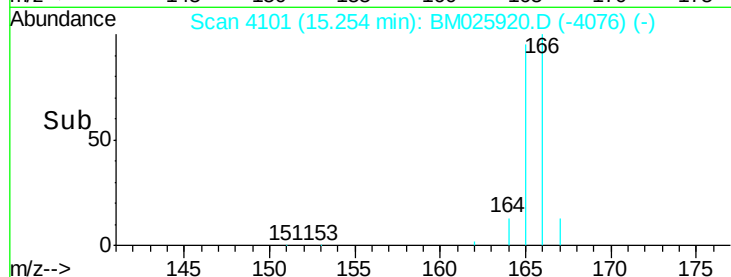
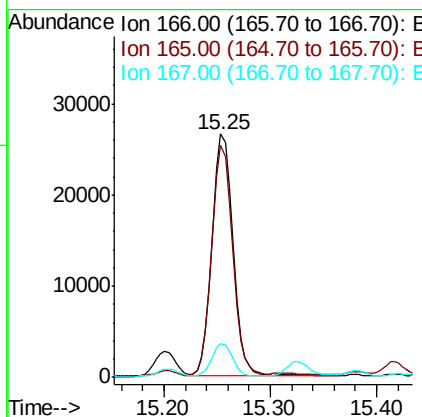
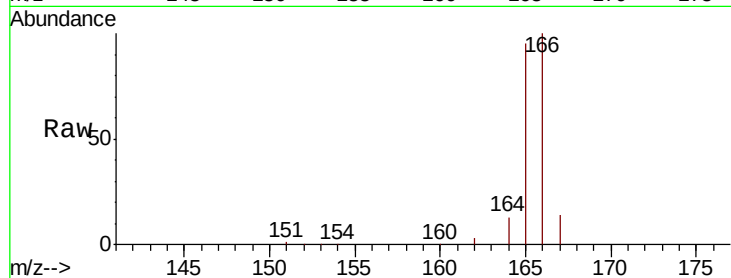
#9
Fluorene
 Concen: 0.565 ng/ul
 RT: 15.25 min Scan# 4101
 Delta R.T. -0.01 min
 Lab File: BM025920.D
 Acq: 03 Apr 2020 19:57

Instrument :
 BNA_M
 ClientSampleId :
 F3E04

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.4	76.6	115.0
167	13.8	11.4	17.0

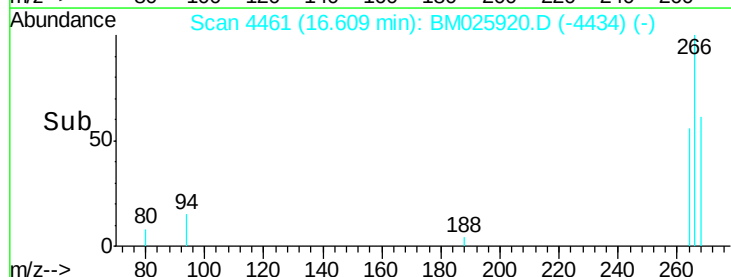
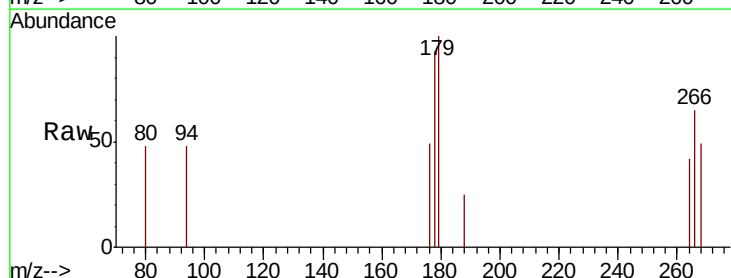
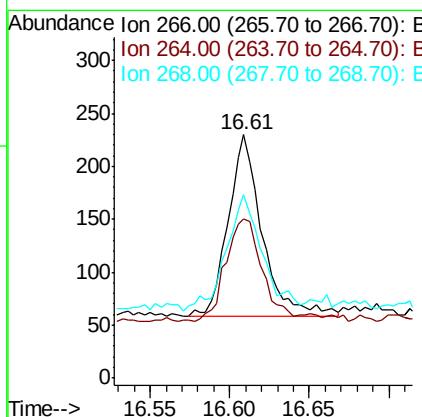
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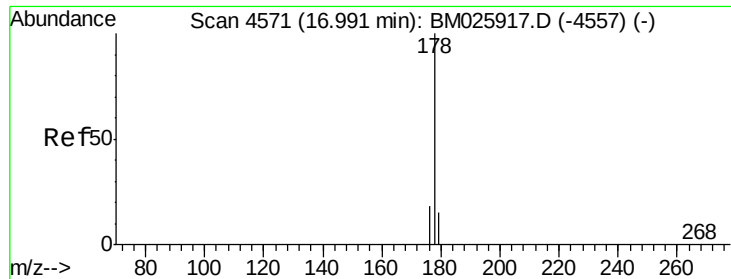
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#11
Pentachlorophenol
 Concen: 0.032 ng/ul
 RT: 16.61 min Scan# 4461
 Delta R.T. -0.00 min
 Lab File: BM025920.D
 Acq: 03 Apr 2020 19:57

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.3	48.4	72.6
268	68.6	48.7	73.1





#12

Phenanthrene

Concen: 1.537 ng/ul

RT: 16.99 min Scan# 4570

Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Instrument :

BNA_M

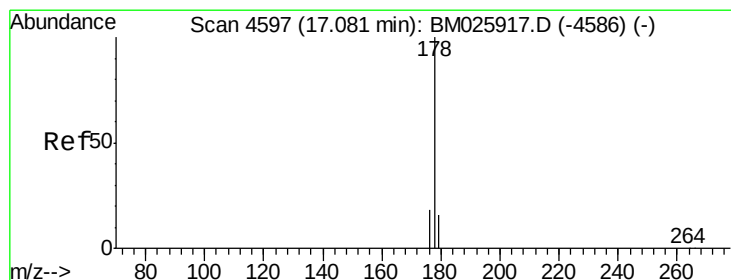
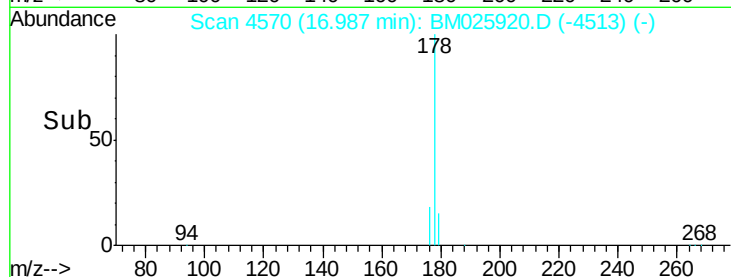
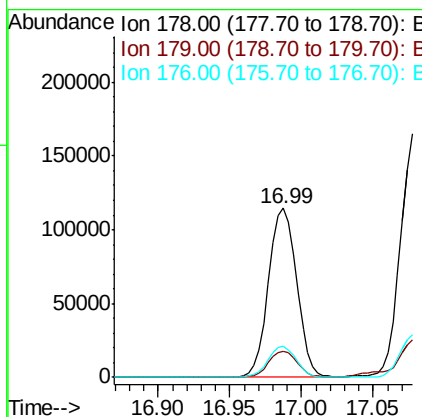
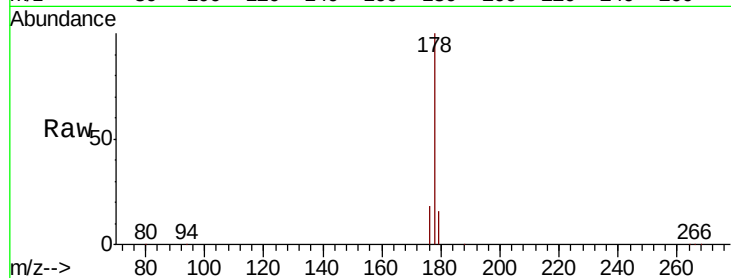
ClientSampleId :

F3E04

Tot Ion:	178	Resp:	156217
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.8	19.2
176	18.2	15.1	22.7

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#13

Anthracene

Concen: 2.466 ng/ul

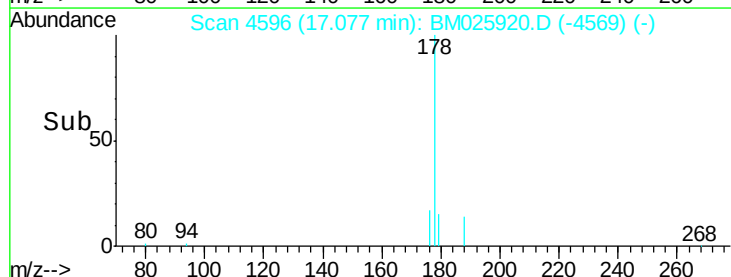
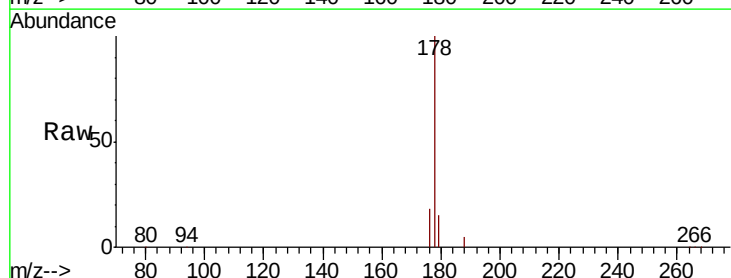
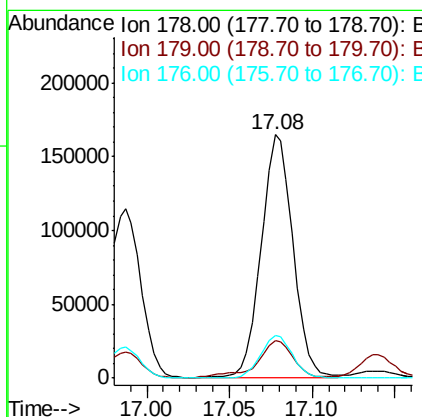
RT: 17.08 min Scan# 4596

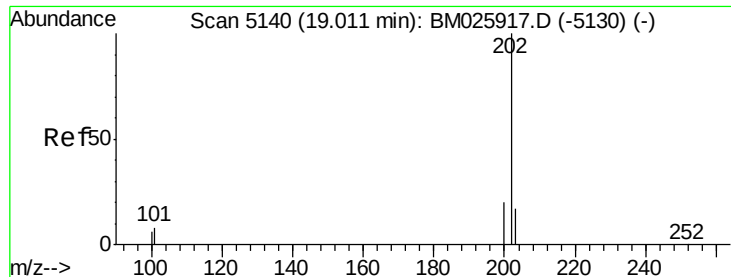
Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Tgt Ion:	178	Resp:	221368
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.8	19.2
176	17.8	14.5	21.7





#15

Fluoranthene

Concen: 10.266 ng/ul

RT: 19.01 min Scan# 5140

Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Instrument :

BNA_M

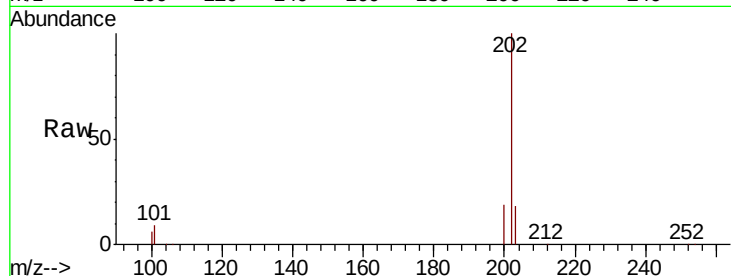
ClientSampled :

F3E04

Tot Ion:	202	Resp:	1289091
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	28.6
100	6.4	0.0	27.0

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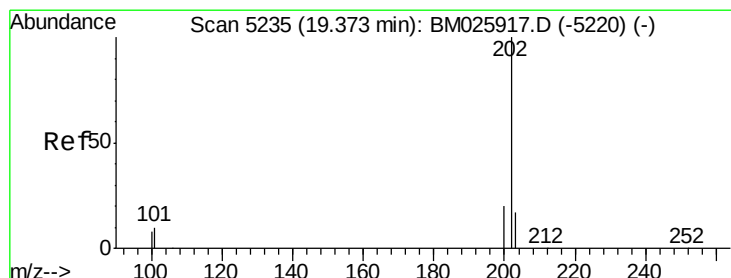
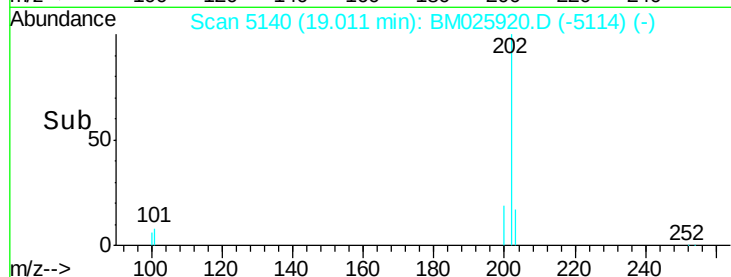
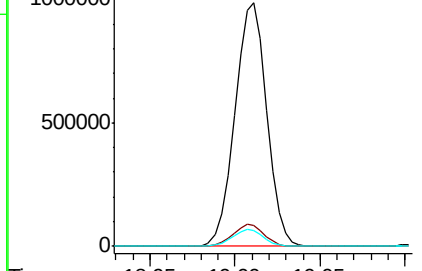
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 18.465 ng/ul

RT: 19.38 min Scan# 5236

Delta R.T. 0.00 min

Lab File: BM025920.D

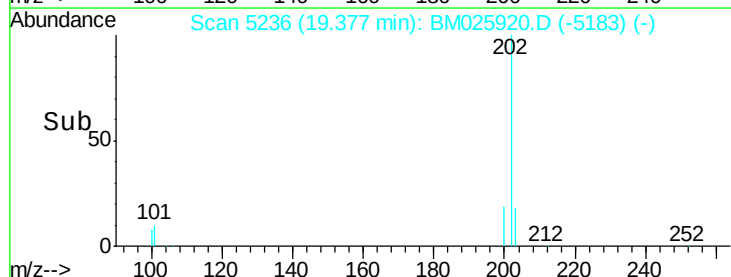
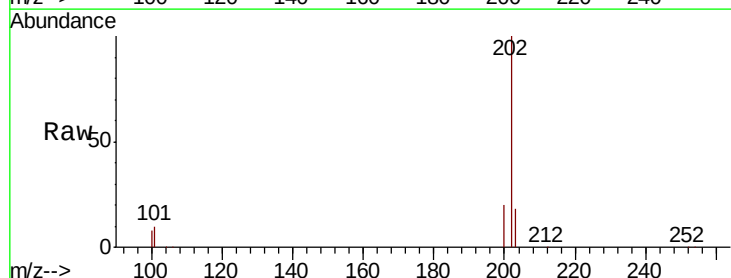
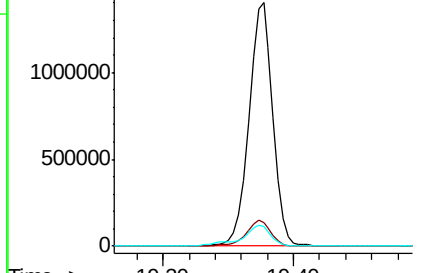
Acq: 03 Apr 2020 19:57

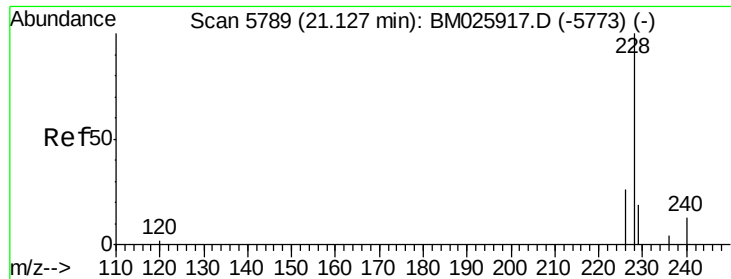
Tgt Ion:	202	Resp:	1783802
Ion Ratio	Lower	Upper	
202	100		
101	9.7	7.5	11.3
100	7.9	6.3	9.5

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





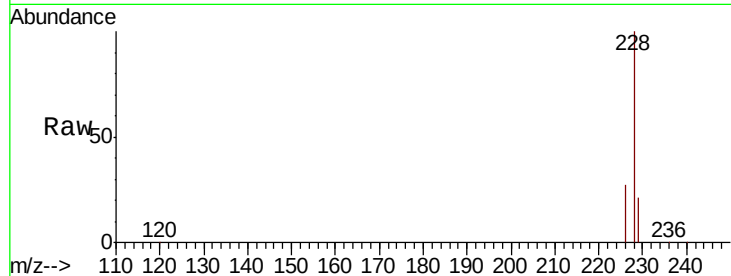
#18
Benzo(a)anthracene
Concen: 10.892 ng/ul
RT: 21.12 min Scan# 5789
Delta R.T. -0.00 min
Lab File: BM025920.D
Acq: 03 Apr 2020 19:57

Instrument :
BNA_M
ClientSampleId :
F3E04

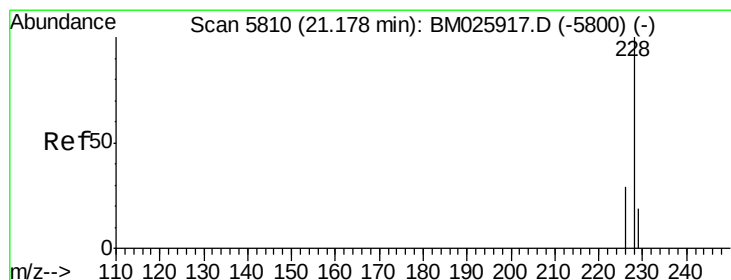
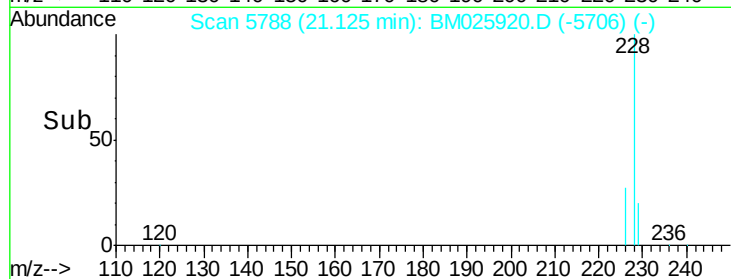
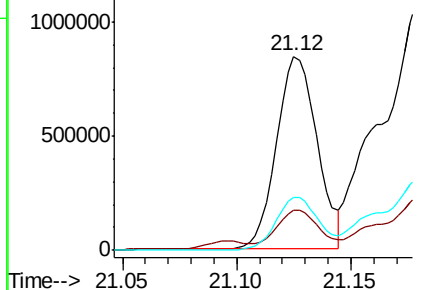
Tot Ion:228 Resp: 1050182
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.8
226 27.2 20.9 31.3

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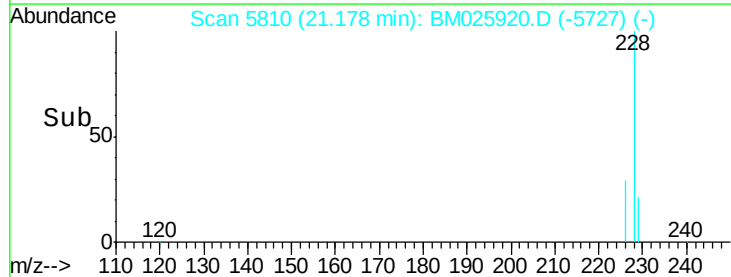
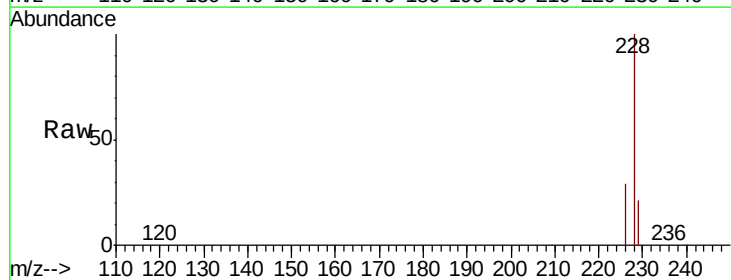
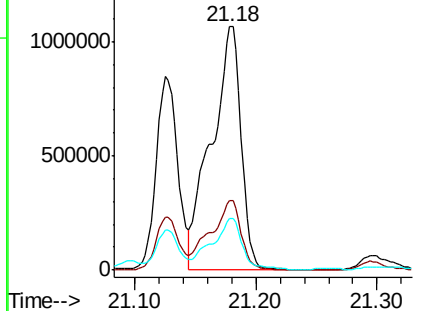
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

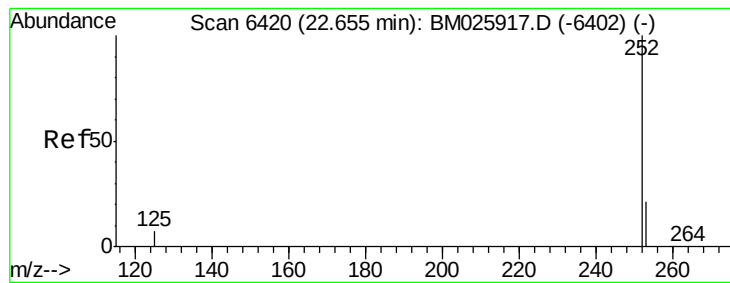


#19
Chrysene
Concen: 17.192 ng/ul
RT: 21.18 min Scan# 5810
Delta R.T. -0.00 min
Lab File: BM025920.D
Acq: 03 Apr 2020 19:57

Tgt Ion:228 Resp: 1809320
Ion Ratio Lower Upper
228 100
226 28.7 22.9 34.3
229 21.2 15.8 23.8

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: 29.406 ng/ul m

RT: 22.66 min Scan# 6421

Delta R.T. 0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Instrument :

BNA_M

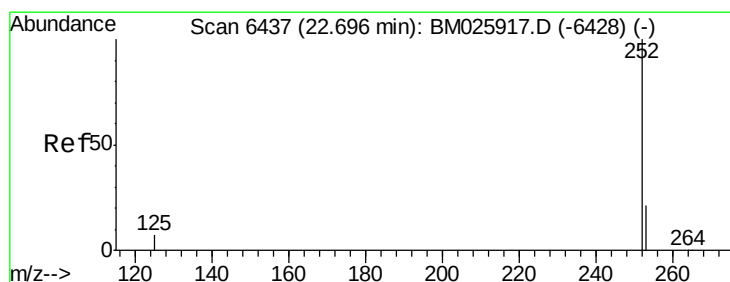
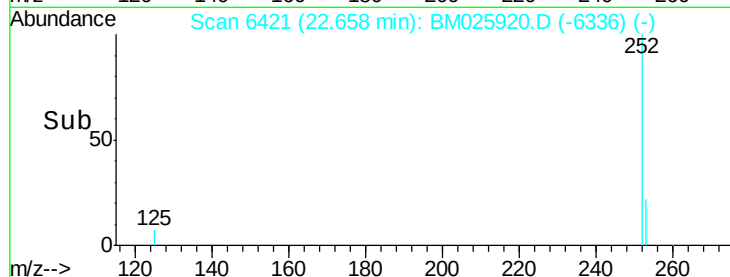
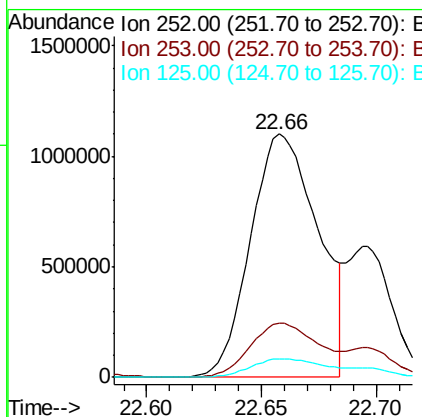
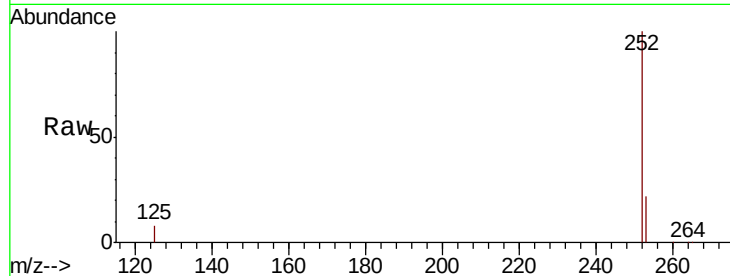
ClientSampleId :

F3E04

Tot Ion:	252	Resp:	2267111
Ion Ratio	Lower	Upper	
252	100		
253	22.5	0.0	46.6
125	7.6	0.0	15.4

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#22

Benzo(k)fluoranthene

Concen: 9.793 ng/ul m

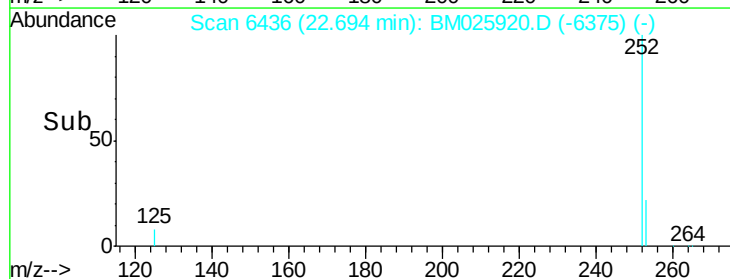
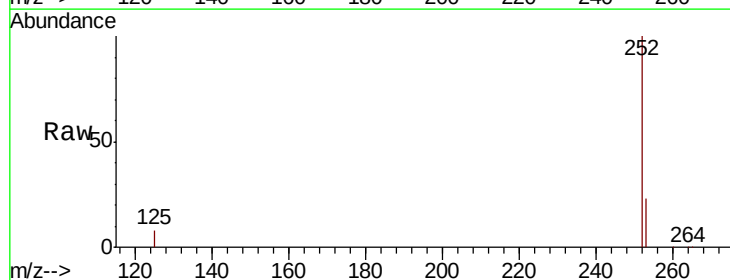
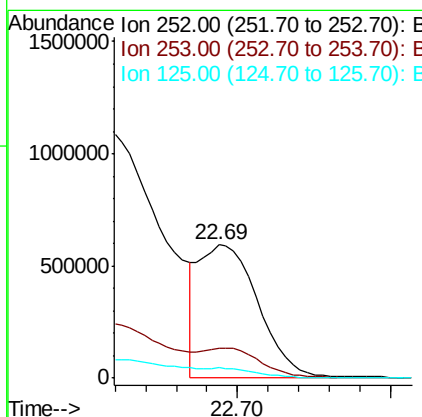
RT: 22.69 min Scan# 6436

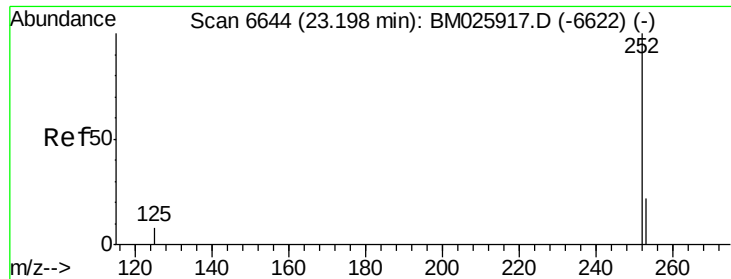
Delta R.T. -0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Tgt Ion:	252	Resp:	809532
Ion Ratio	Lower	Upper	
252	100		
253	22.6	19.0	28.4
125	7.6	6.7	10.1





#23

Benzo(a)pyrene

Concen: 13.406 ng/ul

RT: 23.20 min Scan# 6645

Delta R.T. 0.00 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Instrument :

BNA_M

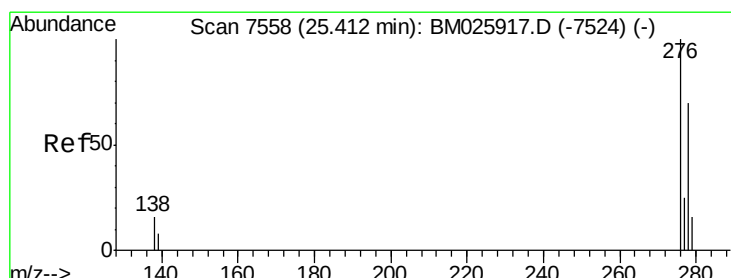
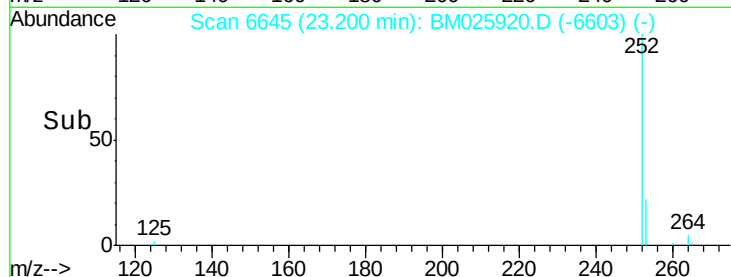
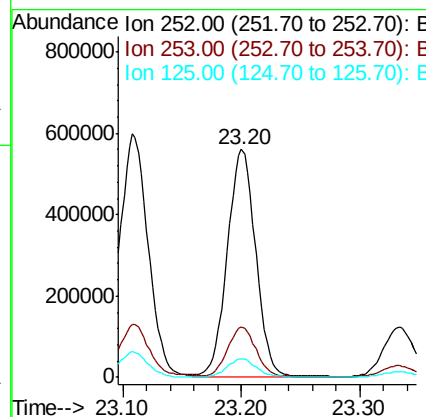
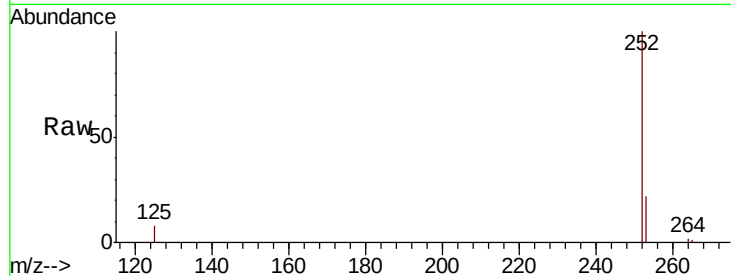
ClientSampleId :

F3E04

Tot Ion:	252	Resp:	923615
Ion Ratio	Lower	Upper	
252	100		
253	21.9	19.2	28.8
125	8.0	7.4	11.0

Manual Integrations
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#24

Indeno(1,2,3-cd)pyrene

Concen: 4.745 ng/ul

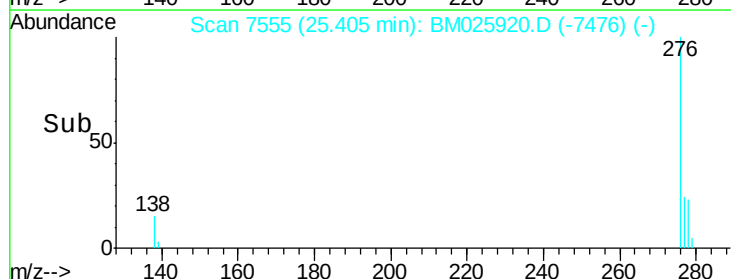
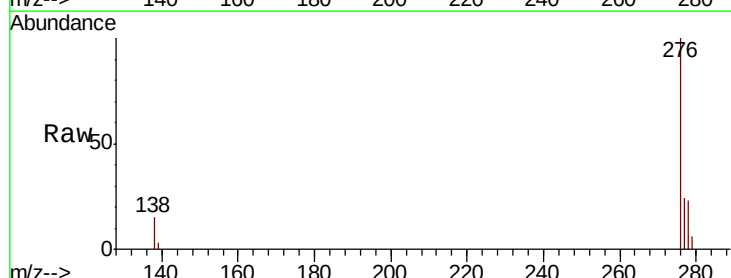
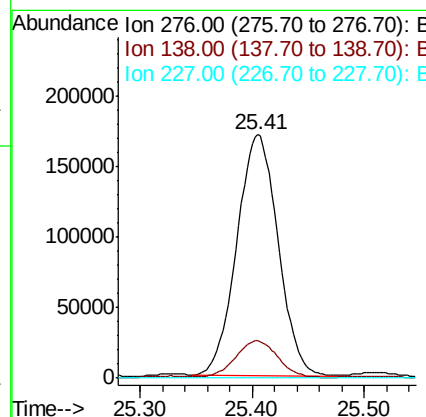
RT: 25.41 min Scan# 7555

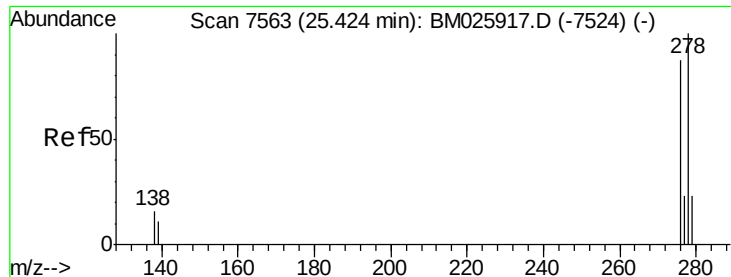
Delta R.T. -0.01 min

Lab File: BM025920.D

Acq: 03 Apr 2020 19:57

Tgt Ion:	276	Resp:	437871
Ion Ratio	Lower	Upper	
276	100		
138	15.5	12.6	19.0
227	0.0	0.0	0.0





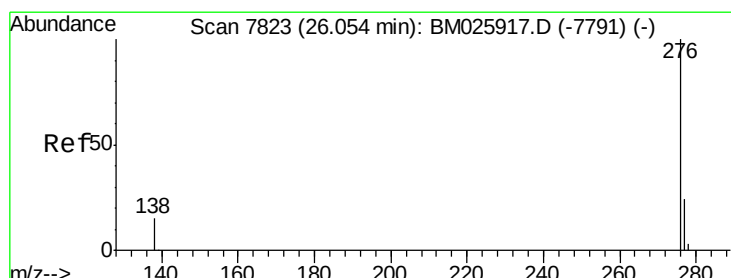
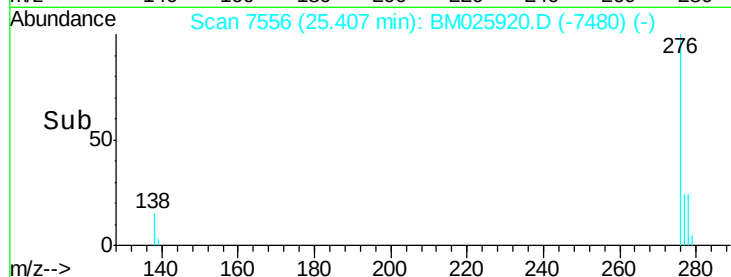
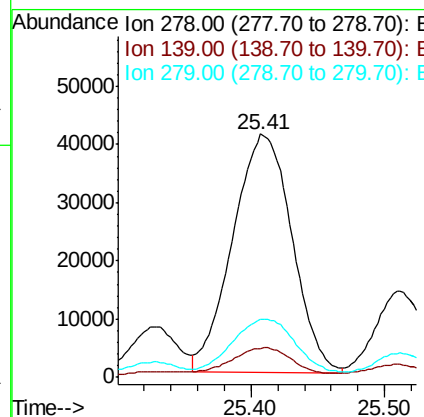
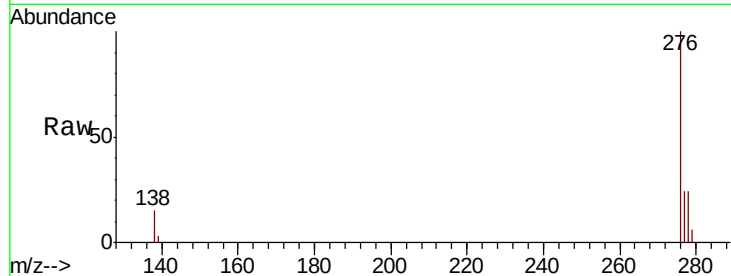
#25
Dibenzo(a,h)anthracene
Concen: 1.639 ng/ul
RT: 25.41 min Scan# 7556
Delta R.T. -0.02 min
Lab File: BM025920.D
Acq: 03 Apr 2020 19:57

Instrument :
BNA_M
ClientSampleId :
F3E04

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.9	8.9	13.3
279	23.7	20.0	30.0

Manual Integrations
APPROVED

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#26
Benzo(g,h,i)perylene
Concen: 3.168 ng/ul
RT: 26.05 min Scan# 7821
Delta R.T. -0.00 min
Lab File: BM025920.D
Acq: 03 Apr 2020 19:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	11.8	17.8
277	23.9	19.2	28.8

