

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021792.D
 Acq On : 04 Aug 2019 02:39
 Operator : HP/JU
 Sample : K3850-20
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS6

Manual Integrations
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mohammad
 8/5/2019 10:14:19 PM

Quant Time: Aug 04 05:08:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 04 04:24:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1124	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	4493	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.29	164	2810	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	7447m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.24	240	7822m	0.40	ng/ul	-0.01
20) Perylene-d12	23.46	264	8124m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1312	0.18	ng/ul	-0.03
14) Fluoranthene-d10	19.08	212	4916m	0.20	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	1832	0.144	ng/ul	97
5) 2-Methylnaphthalene	12.09	142	1724	0.204	ng/ul	96
7) Acenaphthylene	14.01	152	7458	0.569	ng/ul	96
8) Acenaphthene	14.35	153	1078	0.101	ng/ul	95
9) Fluorene	15.34	166	1908	0.160	ng/ul#	98
12) Phenanthrene	17.08	178	39770m	1.835	ng/ul	
13) Anthracene	17.18	178	8722m	0.472	ng/ul	
15) Fluoranthene	19.11	202	105093m	3.621	ng/ul	
17) Pyrene	19.48	202	90000	2.800	ng/ul#	94
18) Benzo(a)anthracene	21.23	228	52592	1.880	ng/ul	96
19) Chrysene	21.28	228	60405	1.679	ng/ul	96
21) Benzo(b)fluoranthene	22.80	252	93725m	3.421	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	33919m	1.094	ng/ul	
23) Benzo(a)pyrene	23.36	252	60677	2.178	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.68	276	56343	1.694	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.69	278	12406	0.461	ng/ul#	80
26) Benzo(g,h,i)perylene	26.36	276	62681	2.093	ng/ul#	94

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

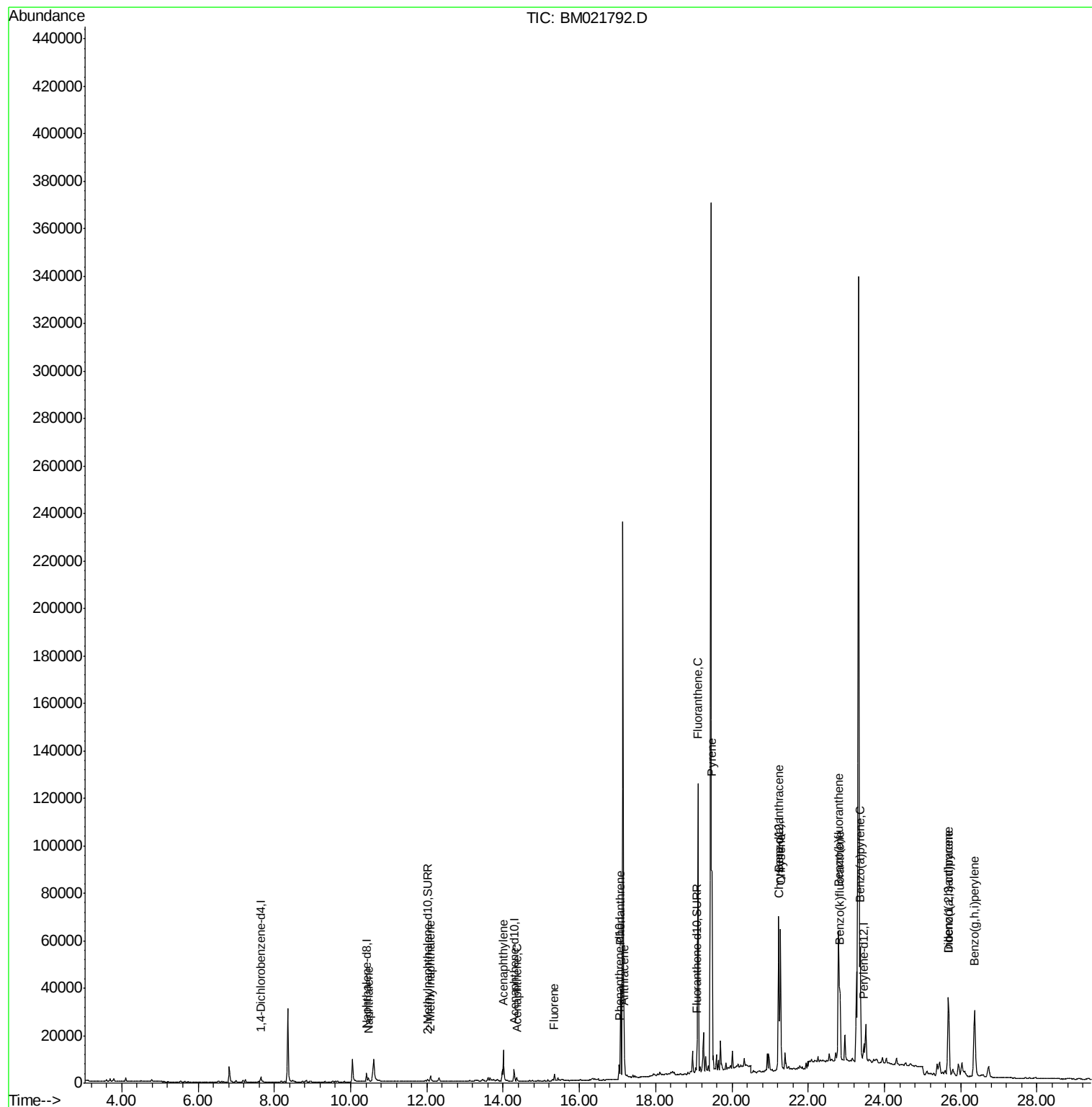
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
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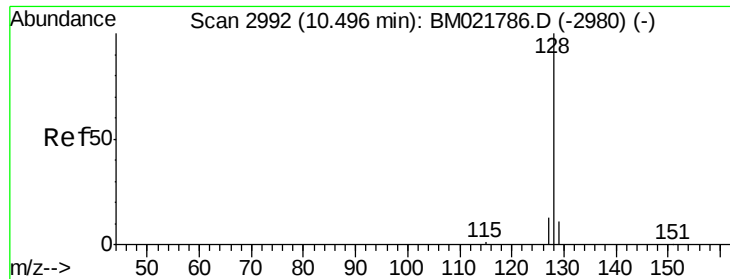
Instrument :
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#3

Naphthalene

Concen: 0.144 ng/u1

RT: 10.47 min Scan# 2985

Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

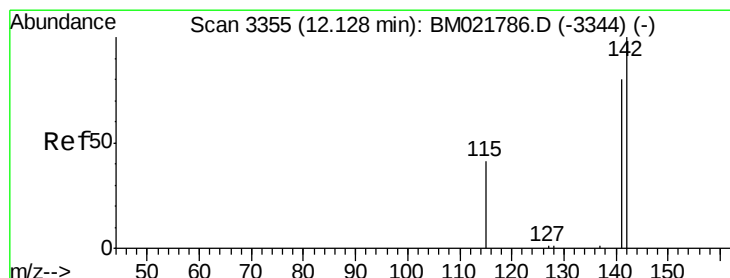
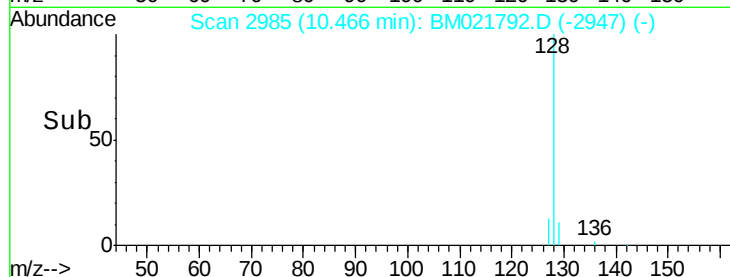
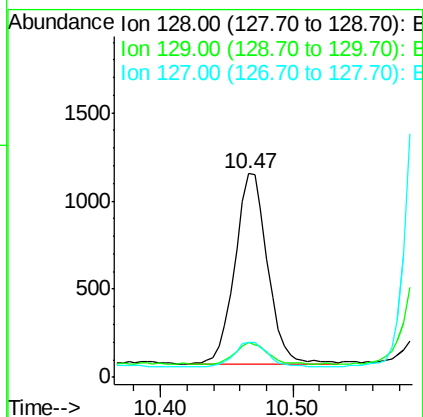
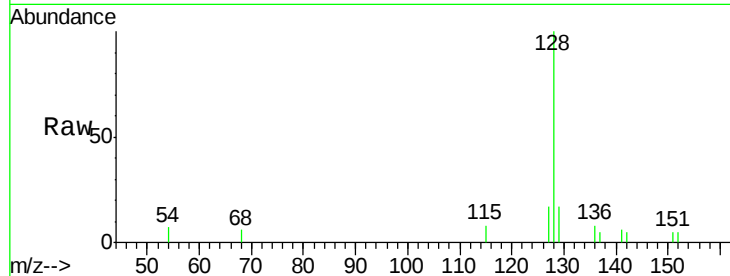
ClientSampleId :

BENS6

Tgt Ion:	128	Resp:	1832
Ion	Ratio	Lower	Upper
128	100		
129	17.1	12.3	18.5
127	17.1	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.204 ng/u1

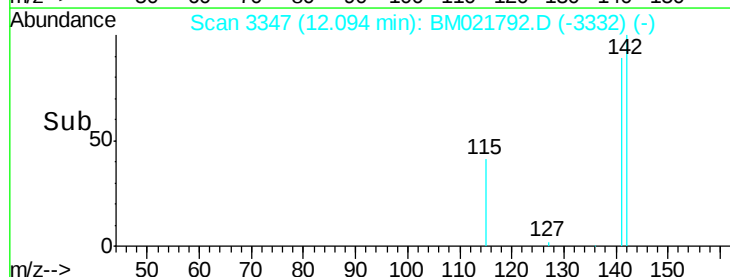
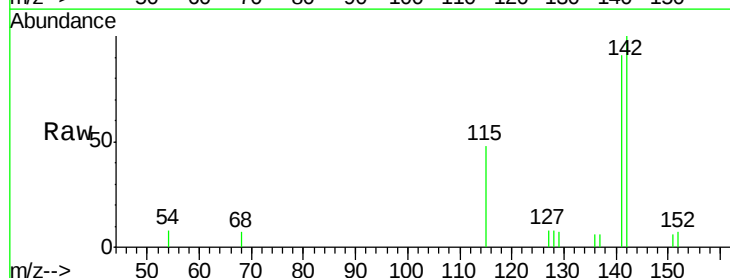
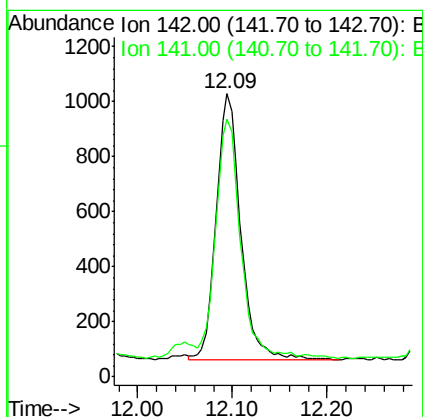
RT: 12.09 min Scan# 3347

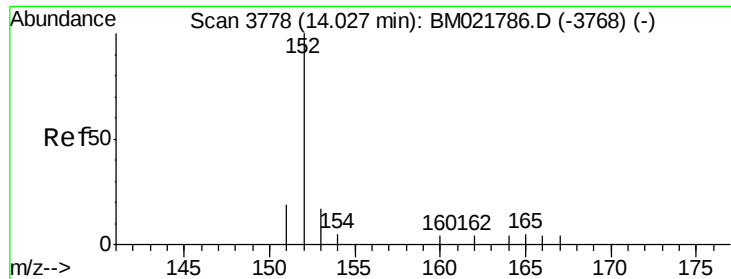
Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Tgt Ion:	142	Resp:	1724
Ion	Ratio	Lower	Upper
142	100		
141	89.1	74.3	111.5





#7

Acenaphthylene

Concen: 0.569 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.02 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

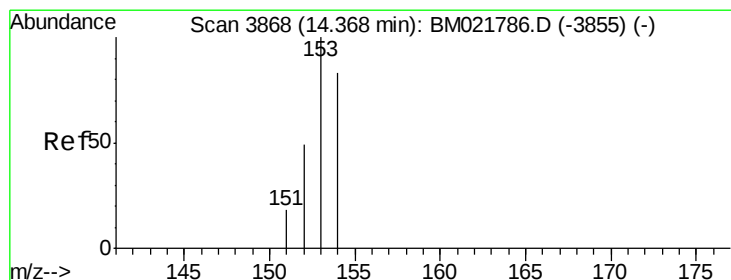
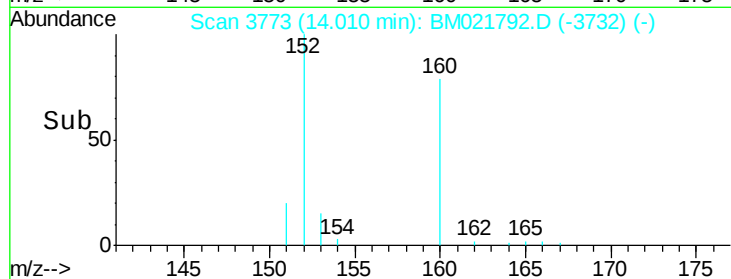
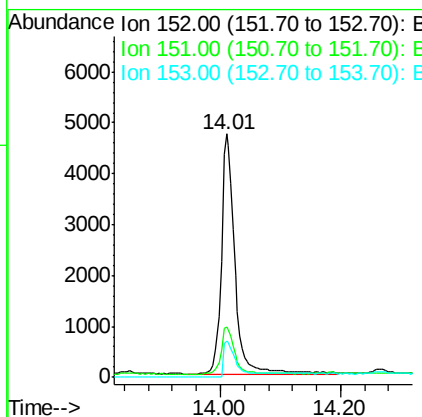
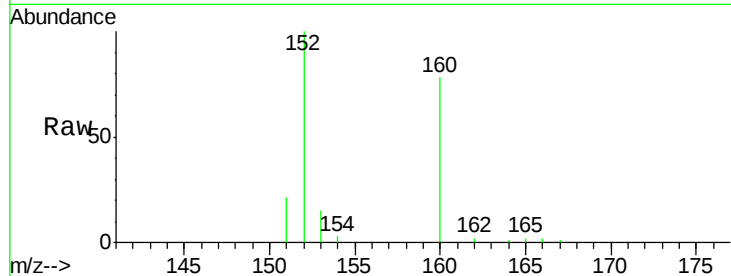
ClientSampleId :

BENS6

Tgt Ion:	152	Resp:	7458
Ion Ratio	Lower	Upper	
152	100		
151	20.8	18.3	27.5
153	14.9	12.8	19.2

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#8

Acenaphthene

Concen: 0.101 ng/ul

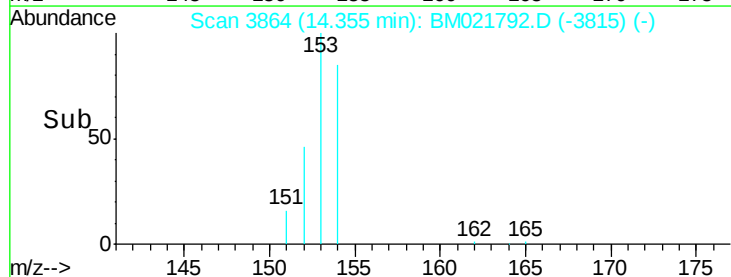
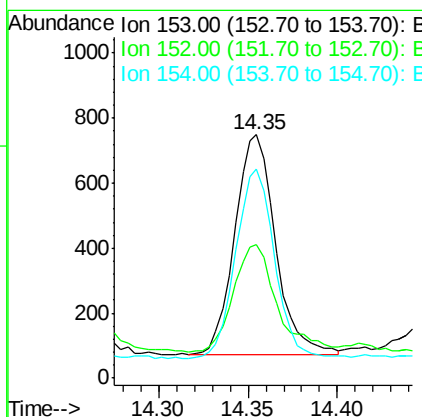
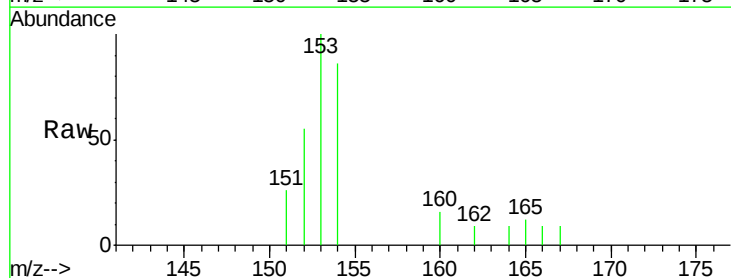
RT: 14.35 min Scan# 3864

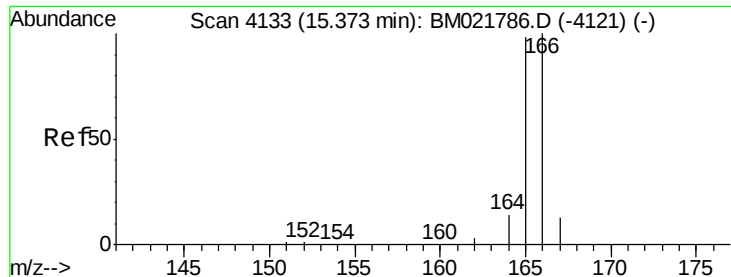
Delta R.T. -0.01 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Tgt Ion:	153	Resp:	1078
Ion Ratio	Lower	Upper	
153	100		
152	55.1	41.3	61.9
154	85.8	72.3	108.5





#9

Fluorene

Concen: 0.160 ng/ul

RT: 15.34 min Scan# 4125

Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

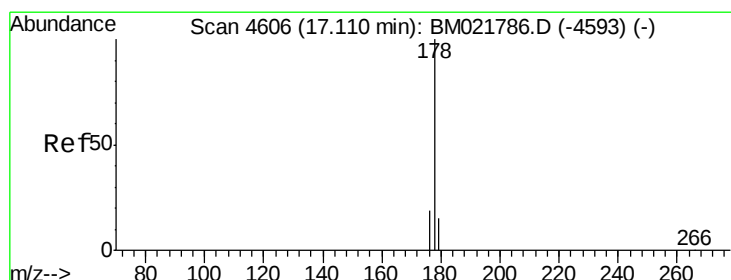
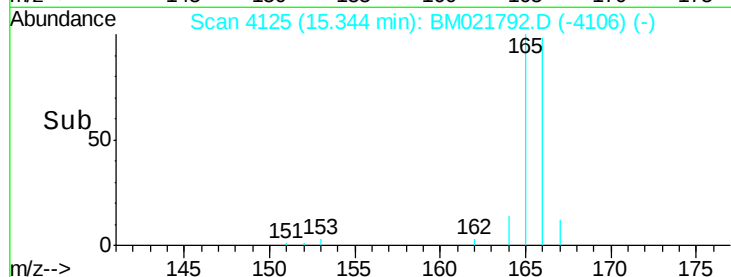
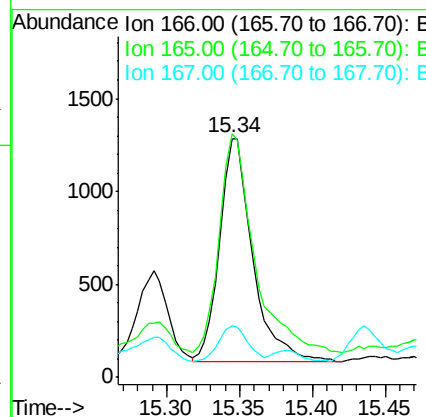
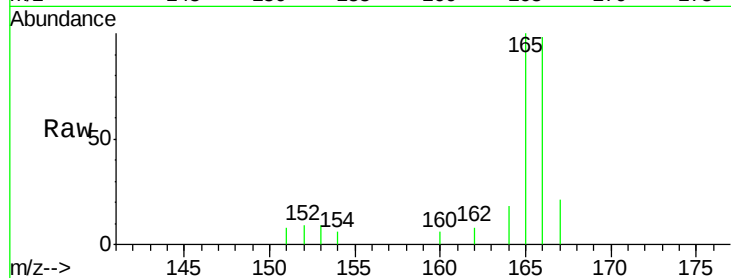
ClientSampleId :

BENS6

Tgt Ion:	166	Resp:	1908
Ion Ratio	Lower	Upper	
166	100		
165	101.9	81.4	122.0
167	21.6	13.7	20.5#

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#12

Phenanthrene

Concen: 1.835 ng/ul m

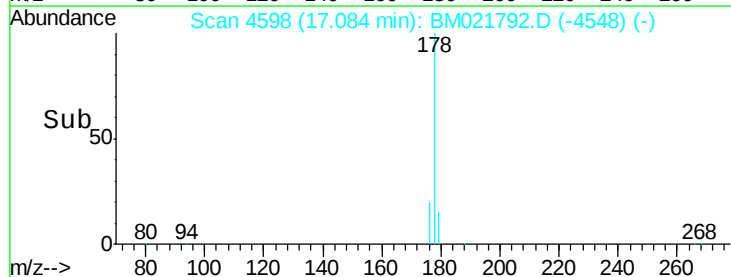
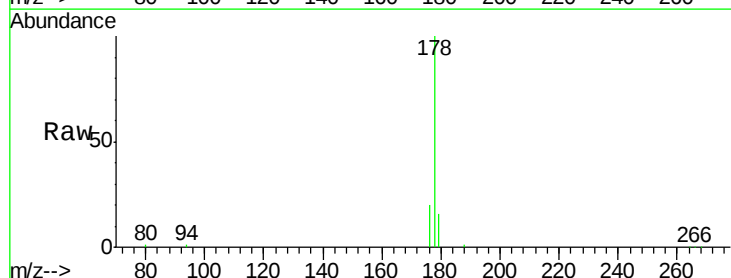
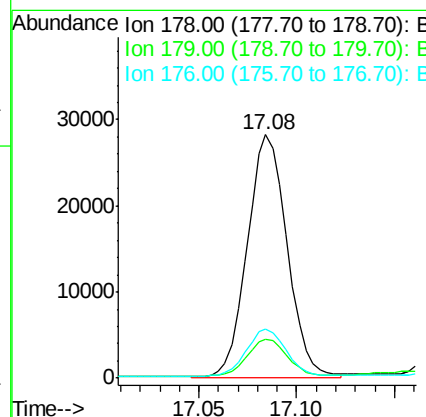
RT: 17.08 min Scan# 4598

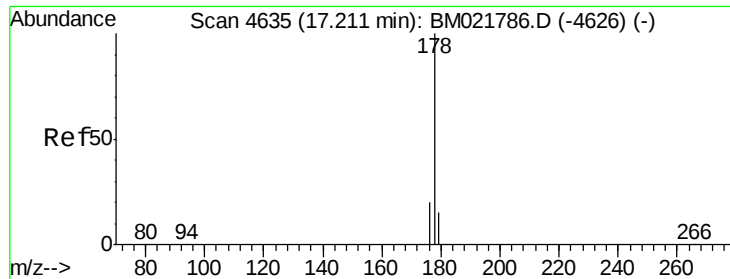
Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Tgt Ion:	178	Resp:	39770
Ion Ratio	Lower	Upper	
178	100		
179	16.1	14.2	21.2
176	20.1	16.8	25.2





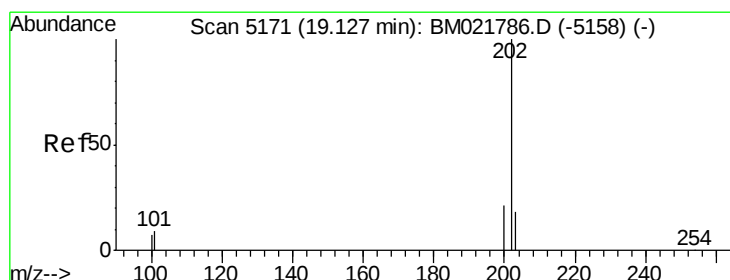
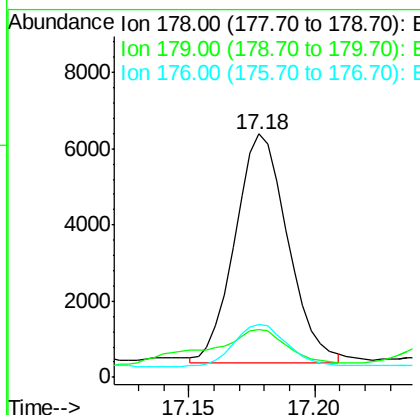
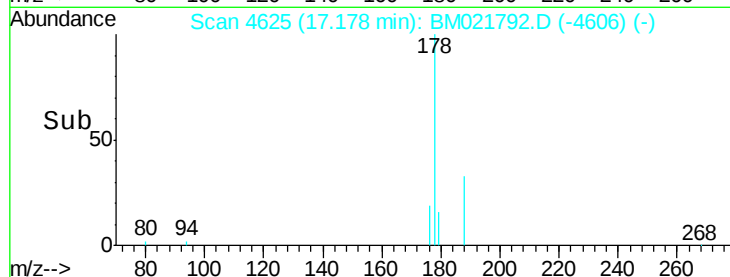
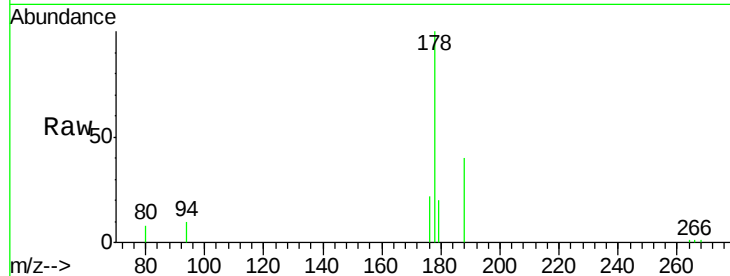
#13
 Anthracene
 Concen: 0.472 ng/ul m
 RT: 17.18 min Scan# 4625
 Delta R.T. -0.03 min
 Lab File: BM021792.D
 Acq: 04 Aug 2019 02:39

Instrument :
 BNA_M
 ClientSampleId :
 BENS6

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.5	15.5	23.3
176	22.0	16.6	25.0

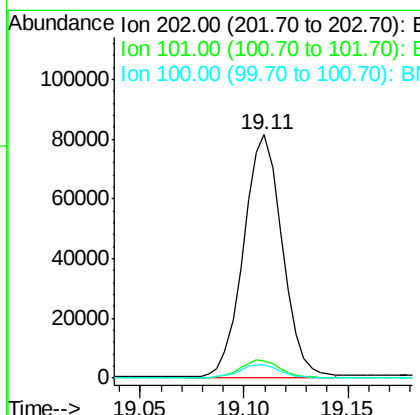
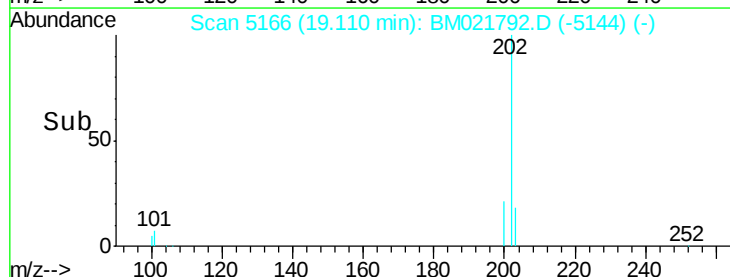
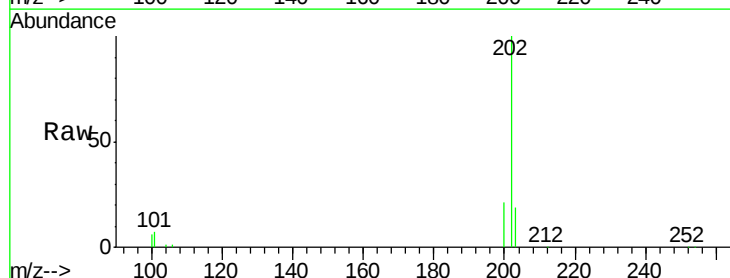
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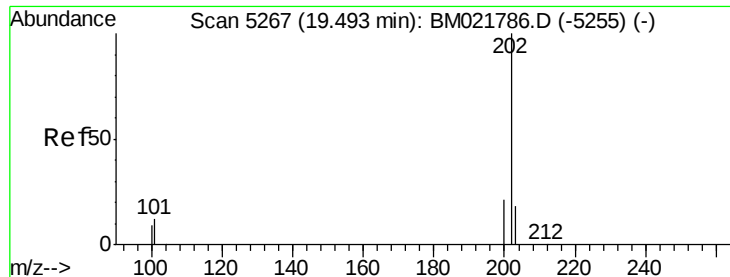
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#15
 Fluoranthene
 Concen: 3.621 ng/ul m
 RT: 19.11 min Scan# 5166
 Delta R.T. -0.02 min
 Lab File: BM021792.D
 Acq: 04 Aug 2019 02:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	30.2
100	5.5	0.0	28.1





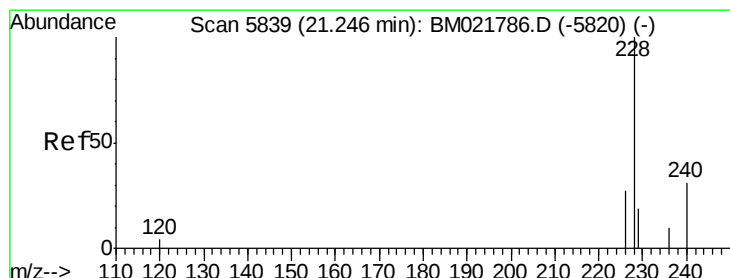
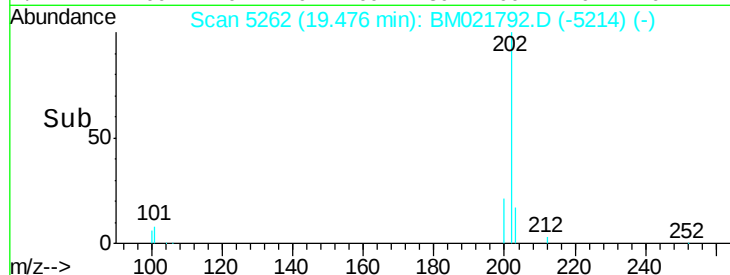
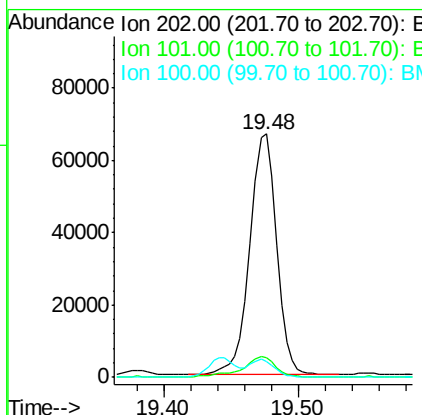
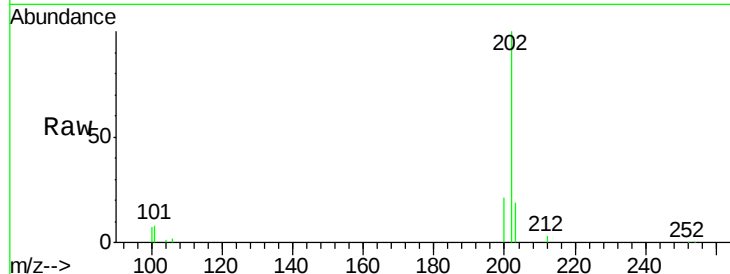
#17
 Pyrene
 Concen: 2.800 ng/ul
 RT: 19.48 min Scan# 5262
 Delta R.T. -0.02 min
 Lab File: BM021792.D
 Acq: 04 Aug 2019 02:39

Instrument :
 BNA_M
 ClientSampleId :
 BENS6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.3	8.3	12.5#
100	6.7	7.2	10.8#

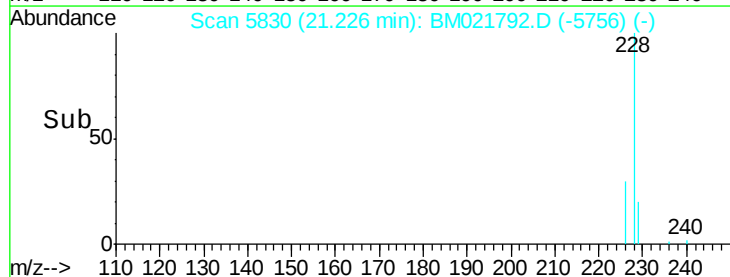
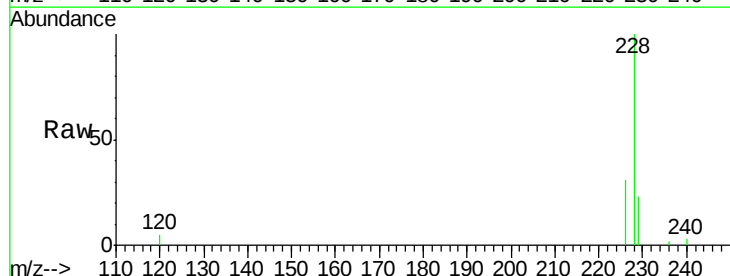
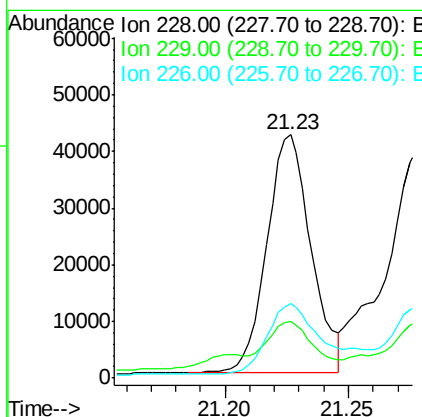
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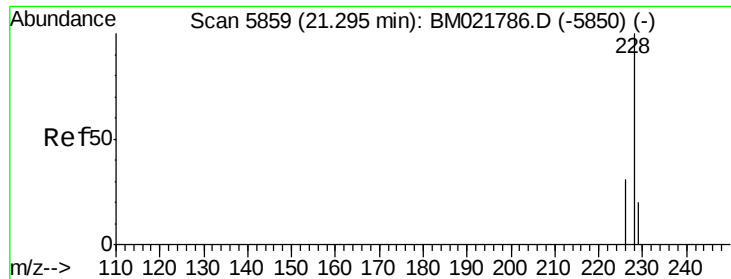
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#18
 Benzo(a)anthracene
 Concen: 1.880 ng/ul
 RT: 21.23 min Scan# 5830
 Delta R.T. -0.02 min
 Lab File: BM021792.D
 Acq: 04 Aug 2019 02:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.3	17.2	25.8
226	30.6	22.6	34.0





#19

Chrysene

Concen: 1.679 ng/ul

RT: 21.28 min Scan# 5851

Delta R.T. -0.02 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

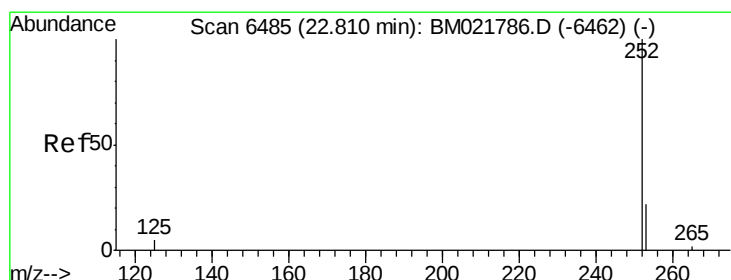
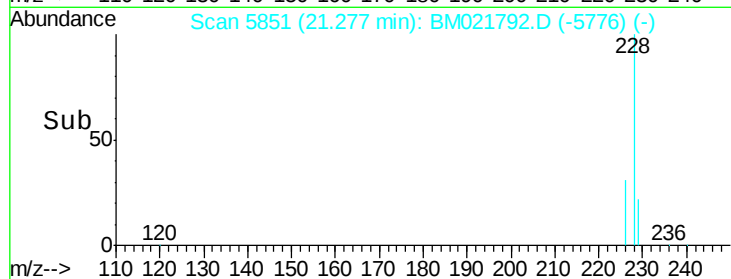
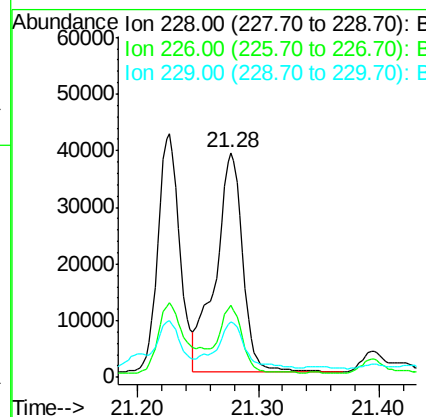
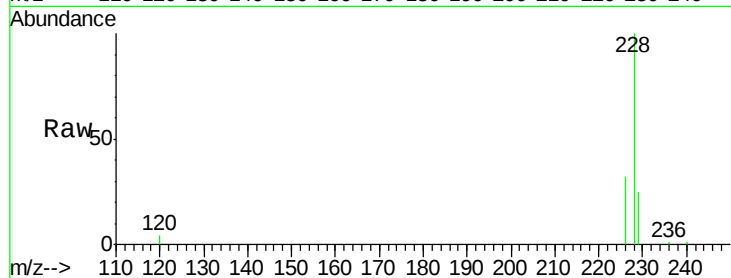
ClientSampled :

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Tgt Ion:	228	Resp:	60405
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.9	37.3
229	24.5	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 3.421 ng/ul m

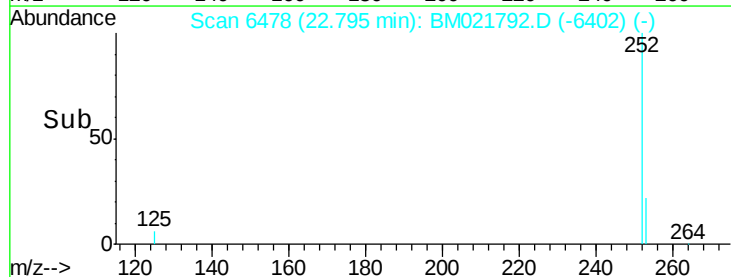
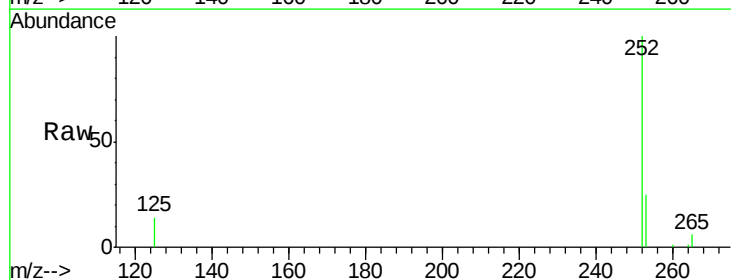
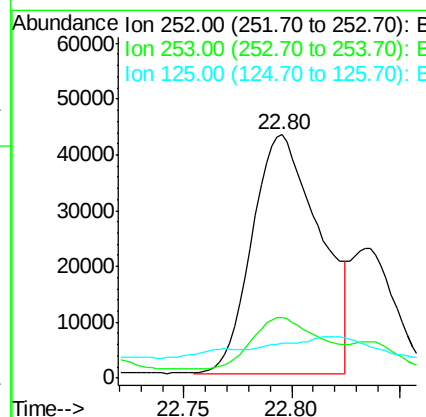
RT: 22.80 min Scan# 6478

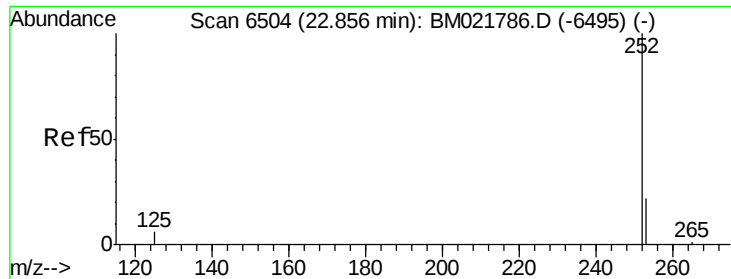
Delta R.T. -0.01 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Tgt Ion:	252	Resp:	93725
Ion Ratio	Lower	Upper	
252	100		
253	24.9	0.0	67.4
125	14.2	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 1.094 ng/ul m

RT: 22.83 min Scan# 6494

Delta R.T. -0.02 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

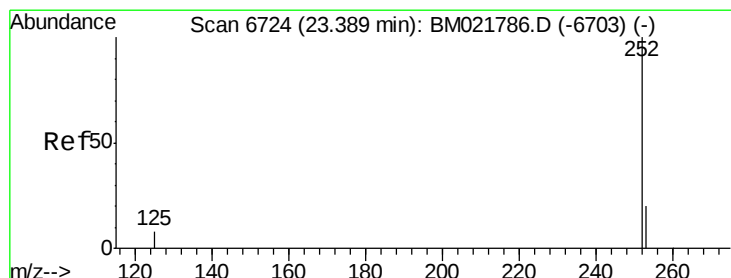
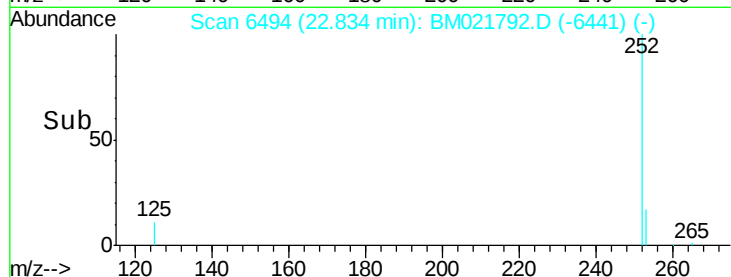
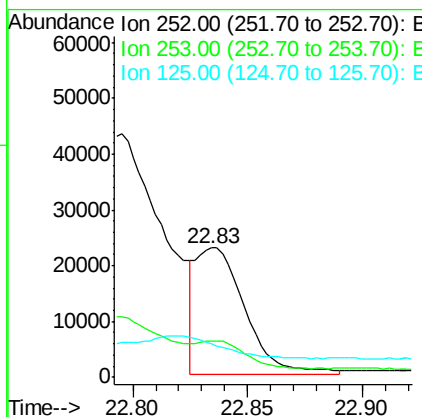
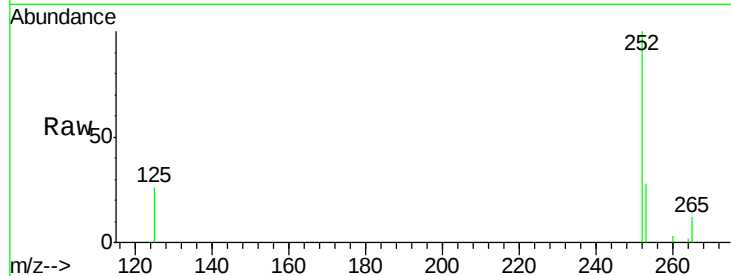
ClientSampleId :

BENS6

Tgt Ion:	252	Resp:	33919
Ion Ratio	Lower	Upper	
252	100		
253	28.5	27.0	40.4
125	25.7	12.2	18.2#

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#23

Benzo(a)pyrene

Concen: 2.178 ng/ul

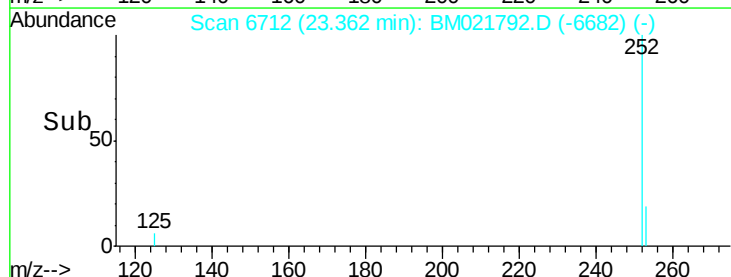
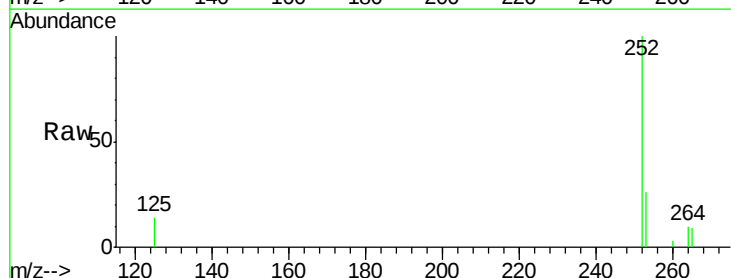
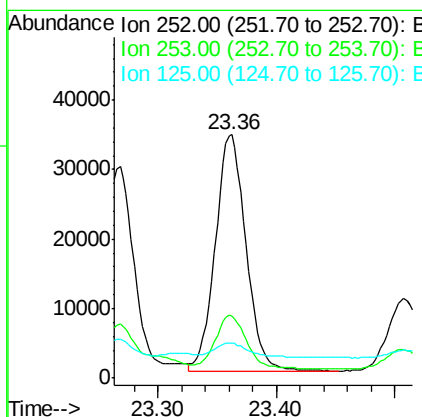
RT: 23.36 min Scan# 6712

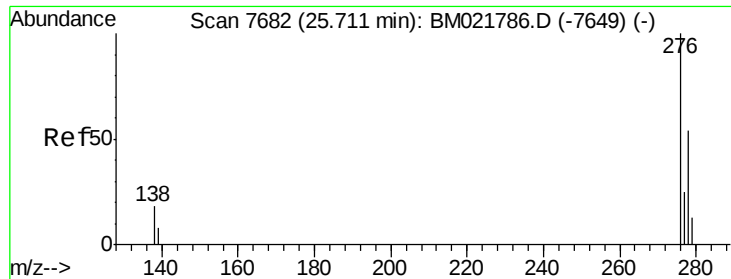
Delta R.T. -0.03 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Tgt Ion:	252	Resp:	60677
Ion Ratio	Lower	Upper	
252	100		
253	25.5	31.7	47.5#
125	14.4	14.6	21.8#





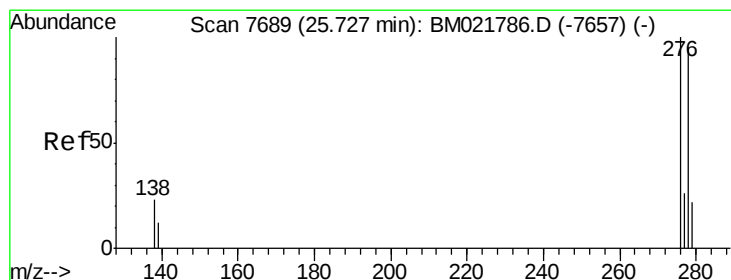
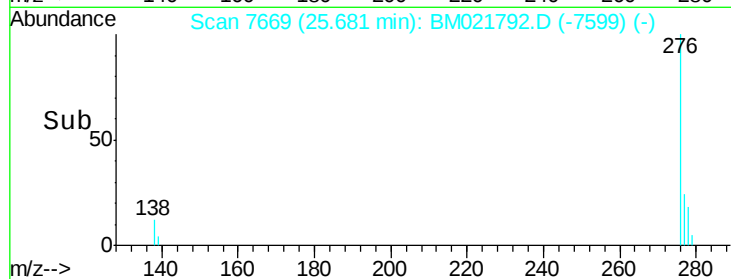
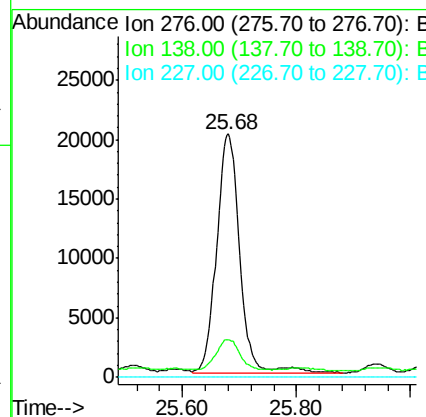
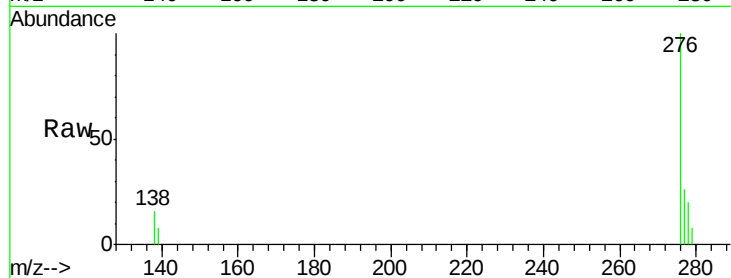
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.694 ng/u1
 RT: 25.68 min Scan# 7669
 Delta R.T. -0.03 min
 Lab File: BM021792.D
 Acq: 04 Aug 2019 02:39

Instrument :
 BNA_M
 ClientSampled :
 BENS6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.9	15.1	22.7#
227	0.0	0.0	0.0

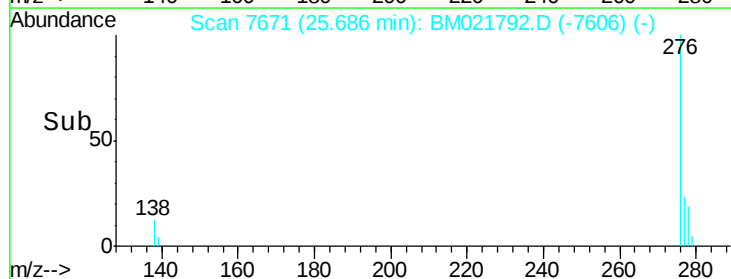
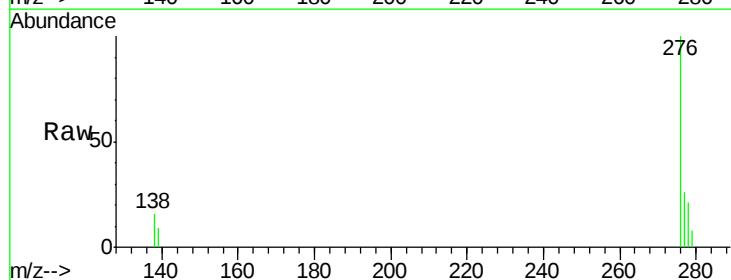
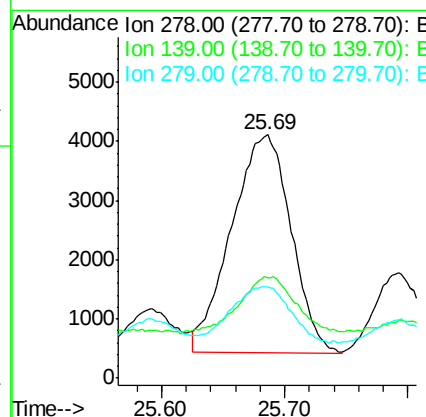
Manual Integrations
 APPROVED

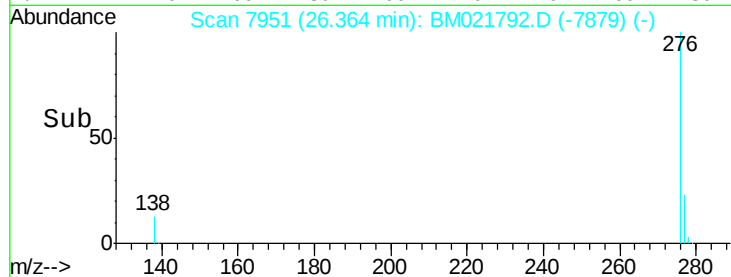
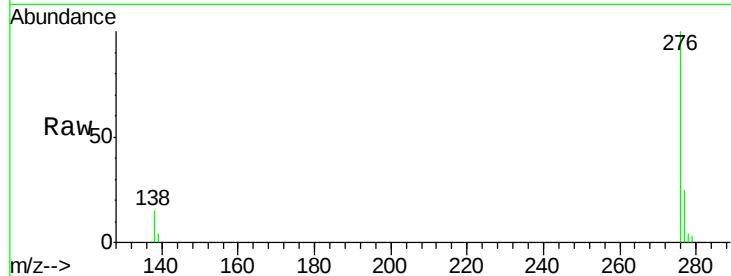
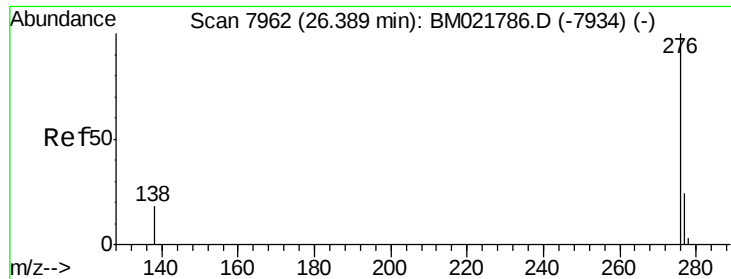
mohammad
 8/5/2019 10:14:19 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.461 ng/u1
 RT: 25.69 min Scan# 7671
 Delta R.T. -0.04 min
 Lab File: BM021792.D
 Acq: 04 Aug 2019 02:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.1	14.2	21.2#
279	37.3	28.3	42.5





#26

Benzo(g,h,i)perylene

Concen: 2.093 ng/ul

RT: 26.36 min Scan# 7951

Delta R.T. -0.02 min

Lab File: BM021792.D

Acq: 04 Aug 2019 02:39

Instrument :

BNA_M

ClientSampleId :

BENS6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	15.5	23.3#
277	25.0	21.4	32.2

Manual Integrations
APPROVED

mohammad
8/5/2019 10:14:19 PM

