

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM021993.D
 Acq On : 10 Aug 2019 10:49
 Operator : HP/JU
 Sample : K4041-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:04 AM

Quant Time: Aug 10 23:26:43 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	575	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	2469	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	1346	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	3129m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	2730m	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	2543m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1075	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	2746m	0.26	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.44	128	239	0.034	ng/ul#	51
5) 2-Methylnaphthalene	12.09	142	98	0.021	ng/ul	99
7) Acenaphthylene	13.99	152	541	0.086	ng/ul#	76
8) Acenaphthene	14.33	153	151	0.029	ng/ul#	90
9) Fluorene	15.33	166	180	0.032	ng/ul#	89
12) Phenanthrene	17.06	178	3981	0.437	ng/ul	99
13) Anthracene	17.16	178	977m	0.126	ng/ul	
15) Fluoranthene	19.09	202	14371m	1.178	ng/ul	
17) Pyrene	19.46	202	14361	1.280	ng/ul	98
18) Benzo(a)anthracene	21.22	228	6063	0.621	ng/ul	98
19) Chrysene	21.27	228	9064	0.722	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	12811m	1.494	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	5508m	0.568	ng/ul	
23) Benzo(a)pyrene	23.34	252	8452m	0.969	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	6688m	0.642	ng/ul	
25) Dibenzo(a,h)anthracene	25.66	278	1484m	0.176	ng/ul	
26) Benzo(g,h,i)perylene	26.34	276	6973m	0.744	ng/ul	

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

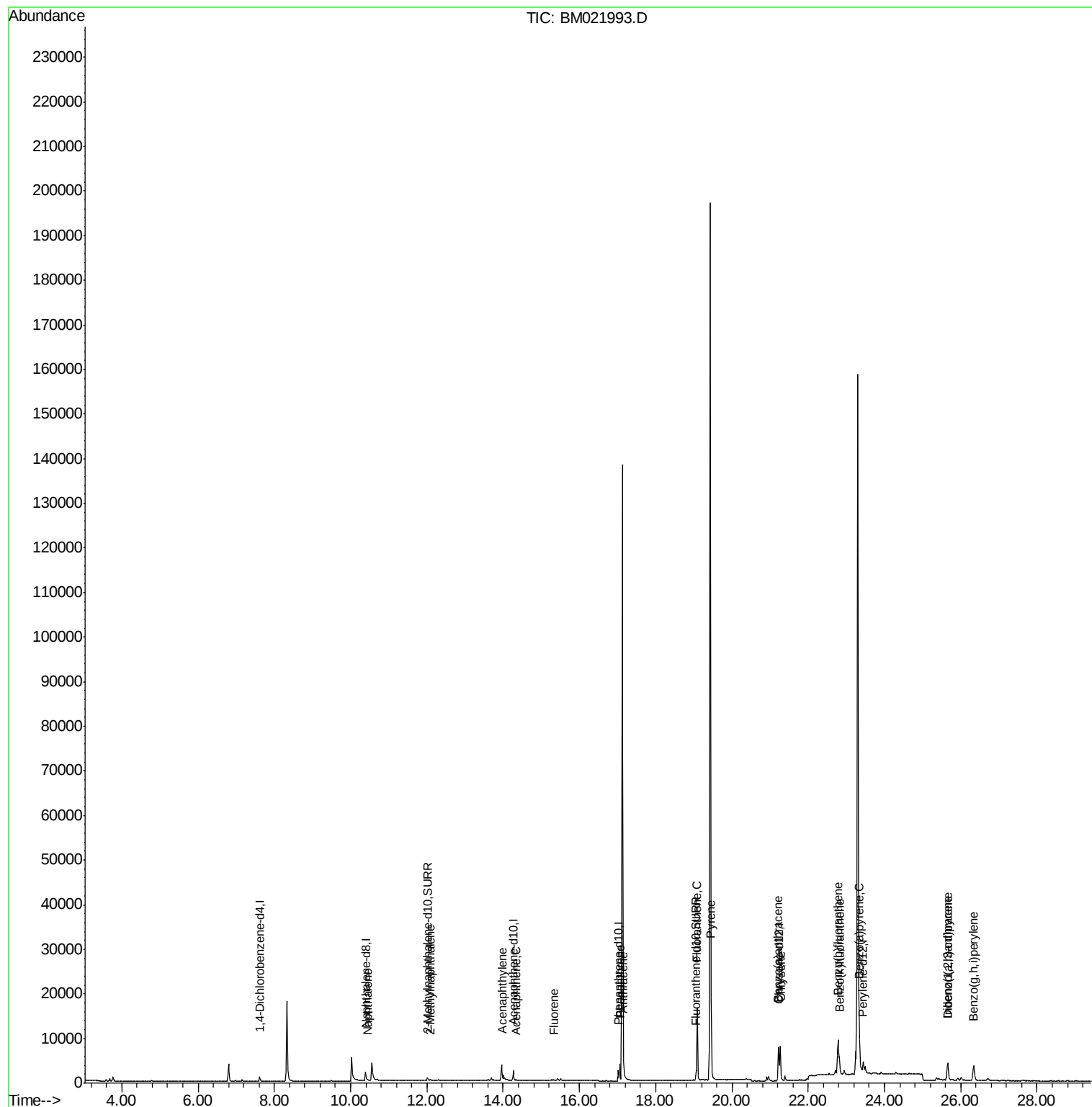
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
Data File : BM021993.D
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ALS Vial : 30 Sample Multiplier: 1

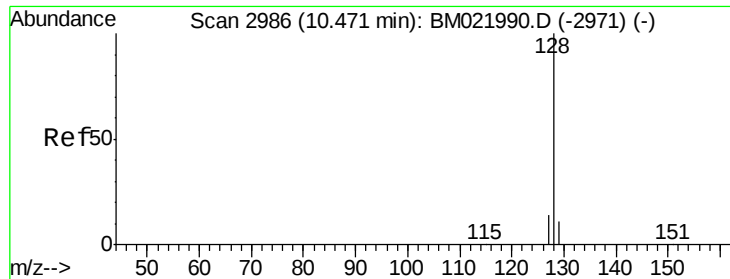
Instrument :
BNA_M
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BENT4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
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#3

Naphthalene

Concen: 0.034 ng/ul

RT: 10.44 min Scan# 2979

Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Instrument :

BNA_M

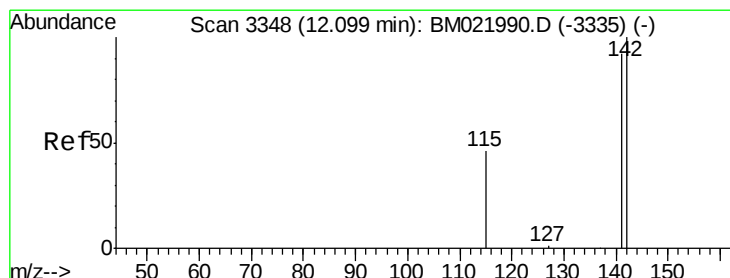
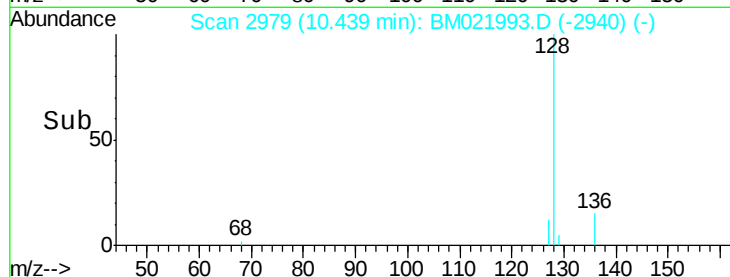
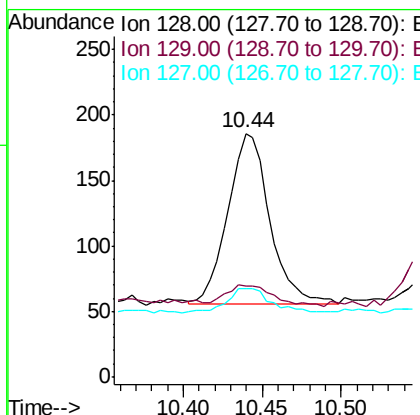
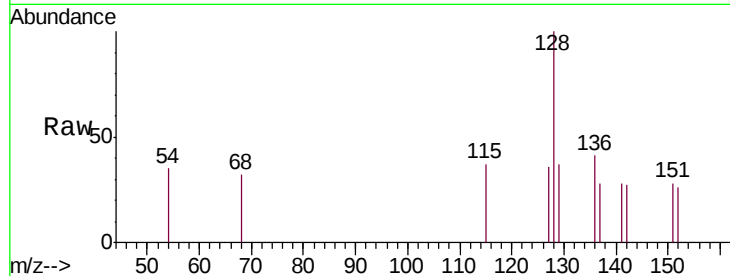
ClientSampled :

BENT4

Tgt Ion:	128	Resp:	239
Ion Ratio	Lower	Upper	
128	100		
129	37.1	12.3	18.5#
127	36.0	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.021 ng/ul

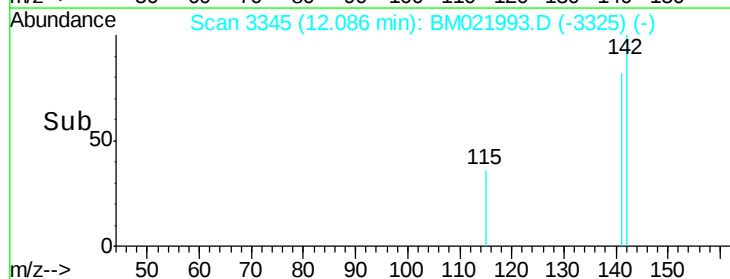
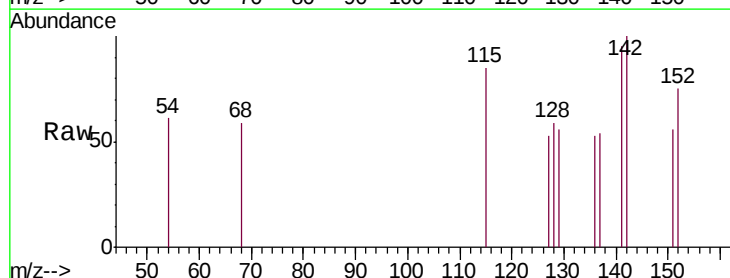
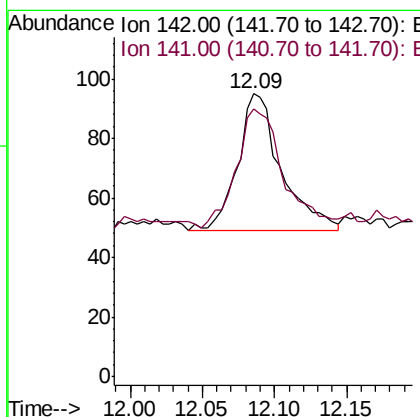
RT: 12.09 min Scan# 3345

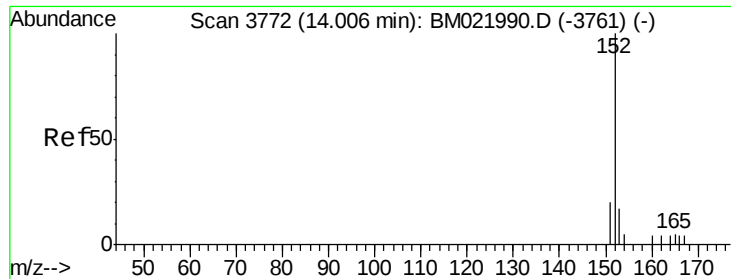
Delta R.T. -0.01 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Tgt Ion:	142	Resp:	98
Ion Ratio	Lower	Upper	
142	100		
141	91.8	74.3	111.5





#7

Acenaphthylene

Concen: 0.086 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Instrument :

BNA_M

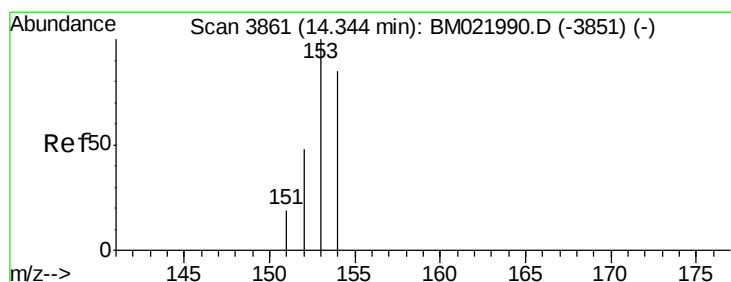
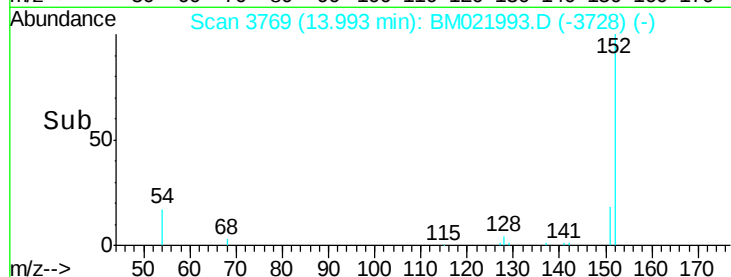
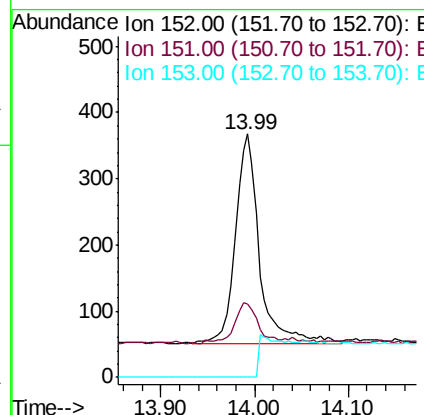
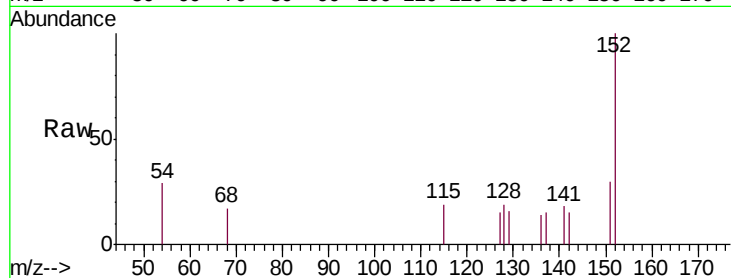
ClientSampled :

BENT4

Tgt Ion:	152	Resp:	541
Ion Ratio	Lower	Upper	
152	100		
151	29.9	18.3	27.5#
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.029 ng/ul

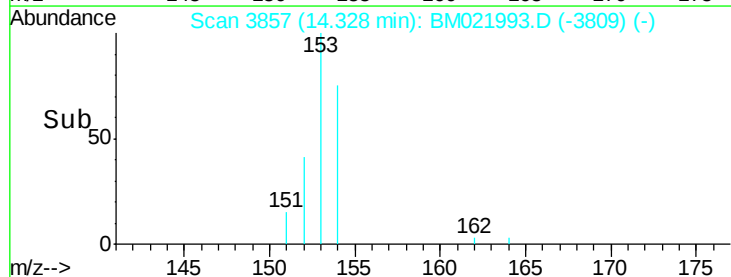
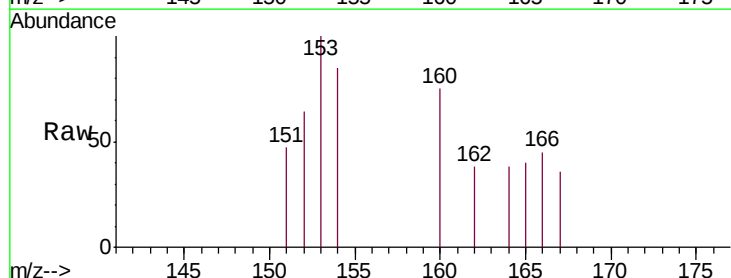
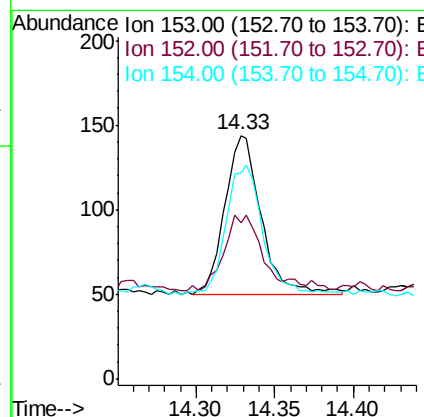
RT: 14.33 min Scan# 3857

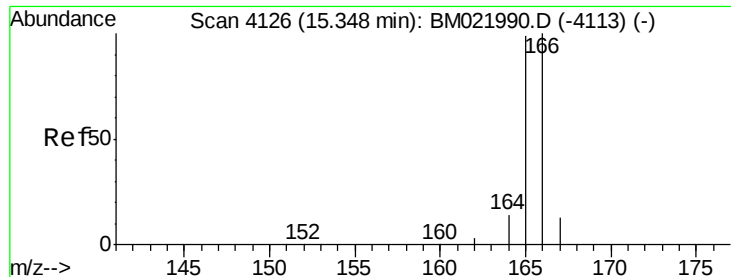
Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Tgt Ion:	153	Resp:	151
Ion Ratio	Lower	Upper	
153	100		
152	63.9	41.3	61.9#
154	84.7	72.3	108.5





#9

Fluorene

Concen: 0.032 ng/ul

RT: 15.33 min Scan# 4120

Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Instrument :

BNA_M

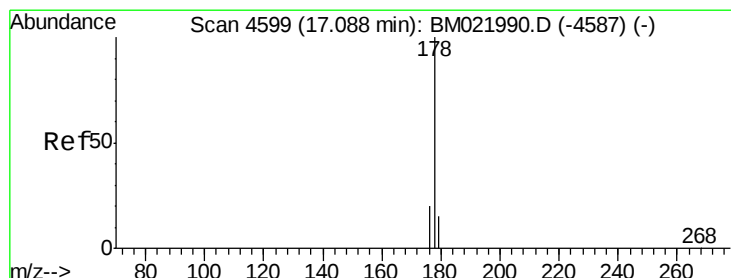
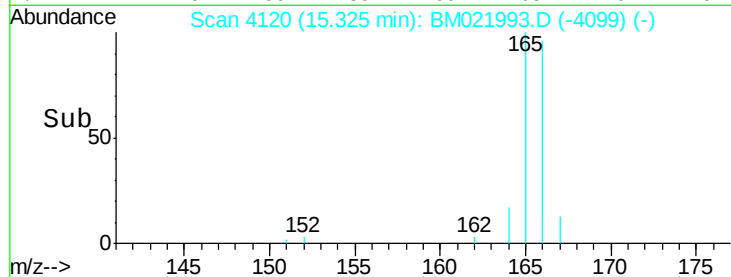
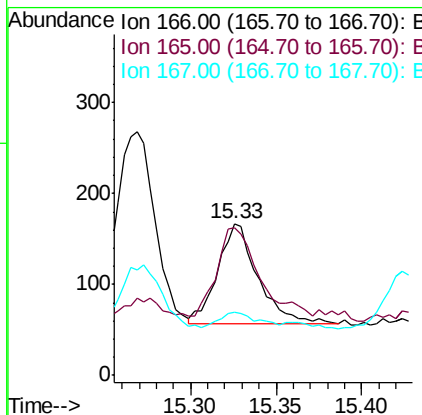
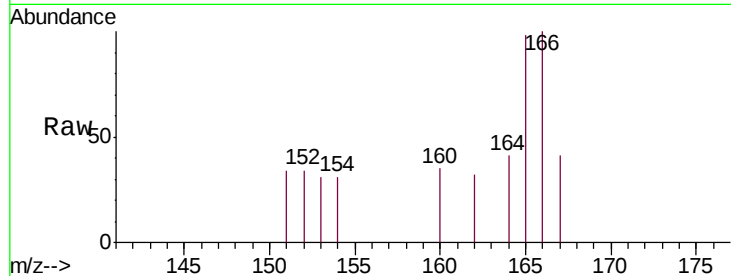
ClientSampleId :

BENT4

Tgt Ion:	166	Resp:	180
Ion Ratio	Lower	Upper	
166	100		
165	97.6	81.4	122.0
167	41.3	13.7	20.5

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#12

Phenanthrene

Concen: 0.437 ng/ul

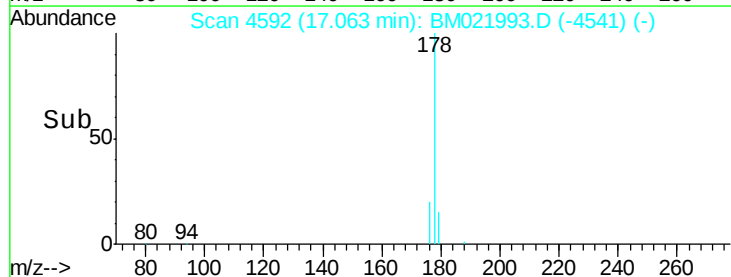
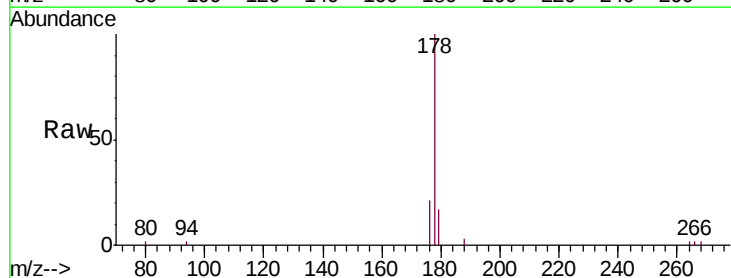
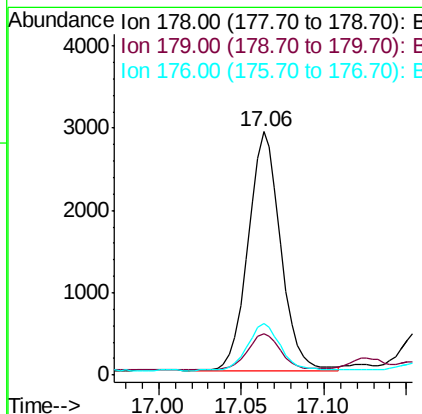
RT: 17.06 min Scan# 4592

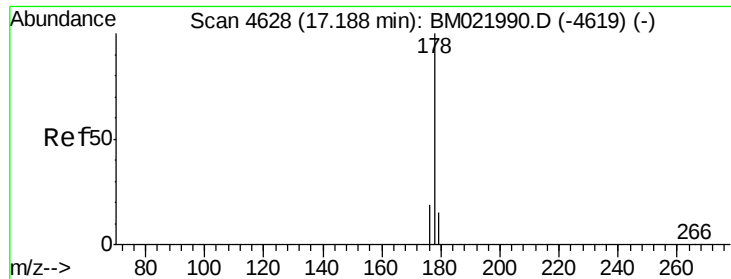
Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Tgt Ion:	178	Resp:	3981
Ion Ratio	Lower	Upper	
178	100		
179	17.1	14.2	21.2
176	21.3	16.8	25.2





#13

Anthracene

Concen: 0.126 ng/ul m

RT: 17.16 min Scan# 4620

Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Instrument :

BNA_M

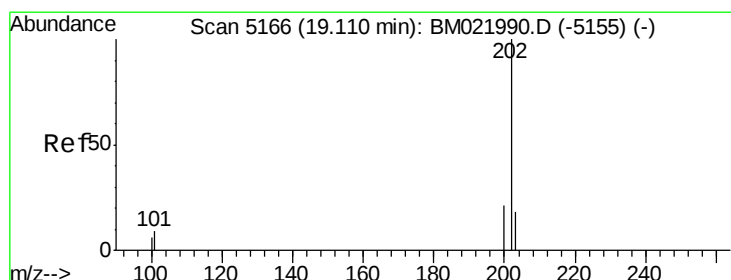
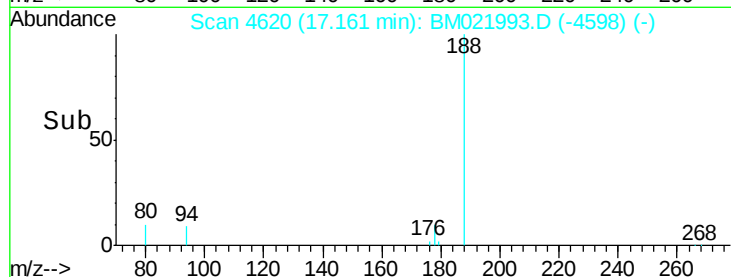
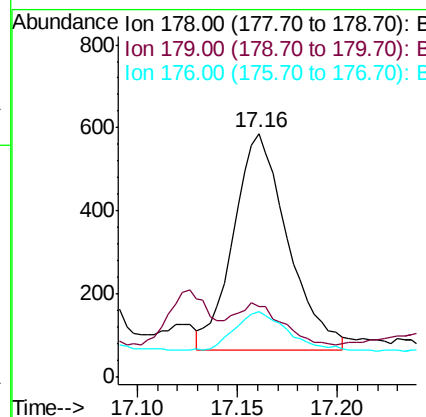
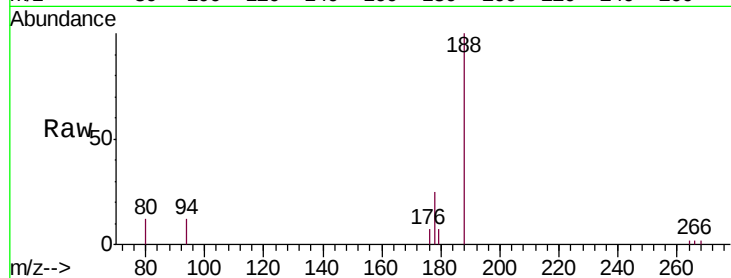
ClientSampleId :

BENT4

Tgt Ion:	178	Resp:	977
Ion Ratio	Lower	Upper	
178	100		
179	29.0	15.5	23.3#
176	27.1	16.6	25.0#

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#15

Fluoranthene

Concen: 1.178 ng/ul m

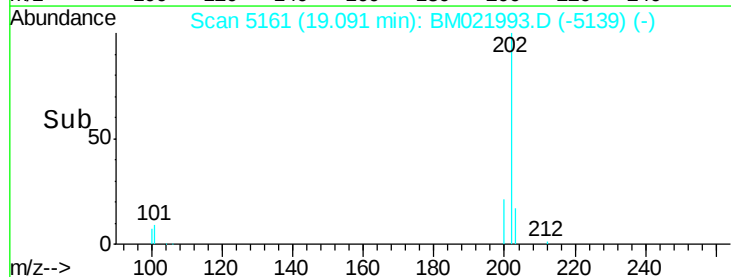
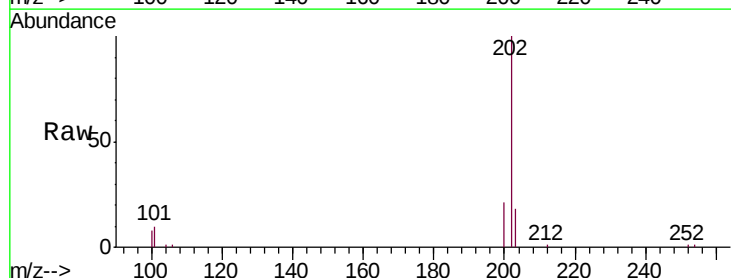
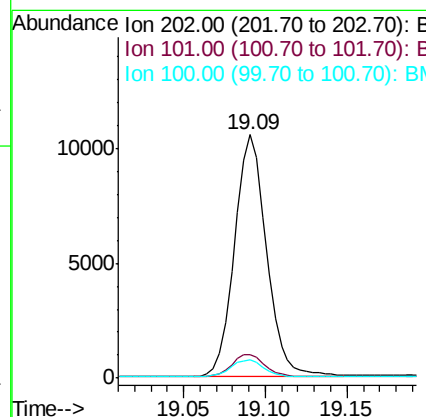
RT: 19.09 min Scan# 5161

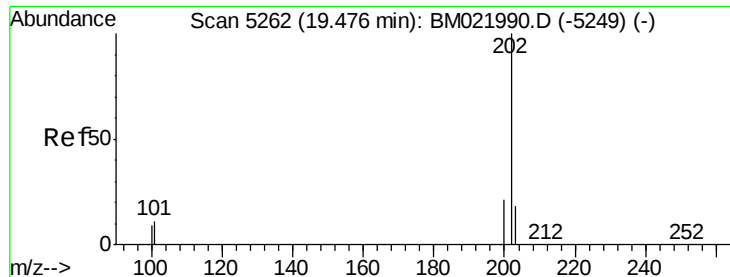
Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Tgt Ion:	202	Resp:	14371
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.2
100	7.8	0.0	28.1





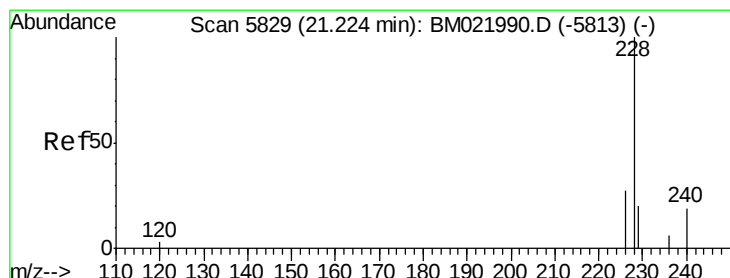
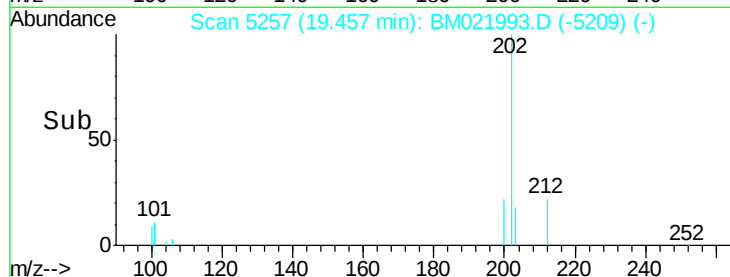
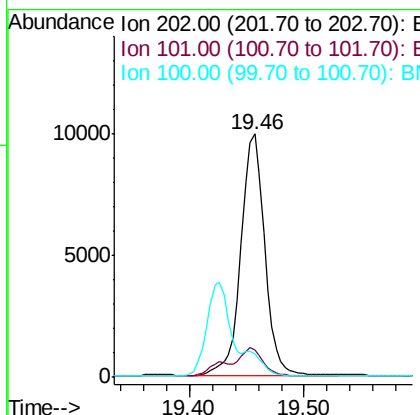
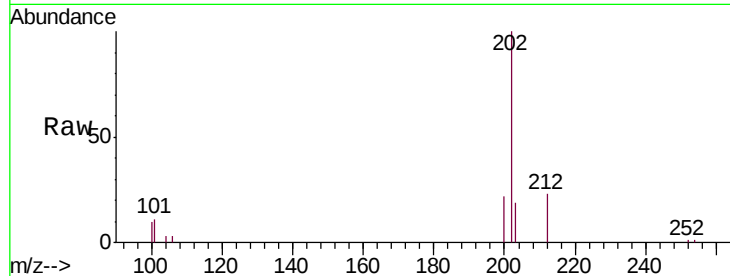
#17
 Pyrene
 Concen: 1.280 ng/ul
 RT: 19.46 min Scan# 5257
 Delta R.T. -0.02 min
 Lab File: BM021993.D
 Acq: 10 Aug 2019 10:49

Instrument :
 BNA_M
 ClientSampled :
 BENT4

Tgt Ion:	202	Resp:	14361
Ion Ratio	Lower	Upper	
202	100		
101	11.1	8.3	12.5
100	9.8	7.2	10.8

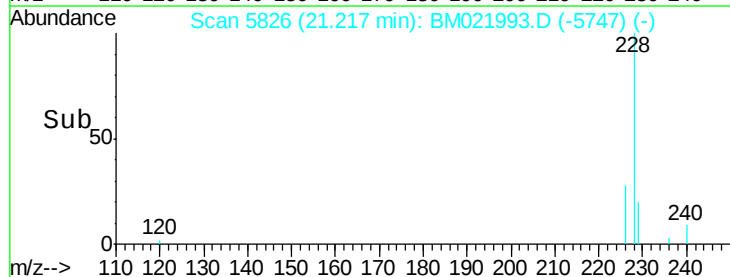
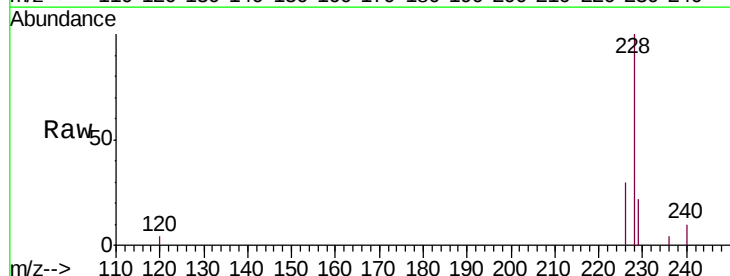
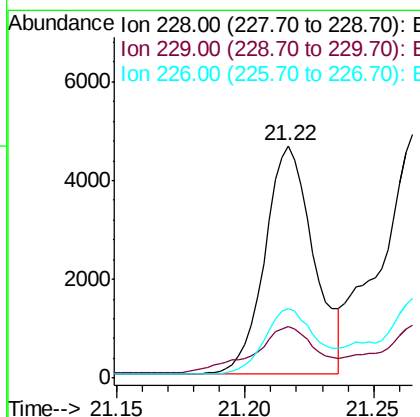
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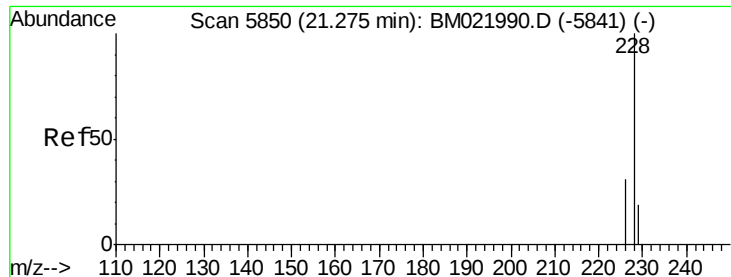
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#18
 Benzo(a)anthracene
 Concen: 0.621 ng/ul
 RT: 21.22 min Scan# 5826
 Delta R.T. -0.01 min
 Lab File: BM021993.D
 Acq: 10 Aug 2019 10:49

Tgt Ion:	228	Resp:	6063
Ion Ratio	Lower	Upper	
228	100		
229	22.2	17.2	25.8
226	29.7	22.6	34.0





#19

Chrysene

Concen: 0.722 ng/ul

RT: 21.27 min Scan# 5847

Delta R.T. -0.01 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Instrument :

BNA_M

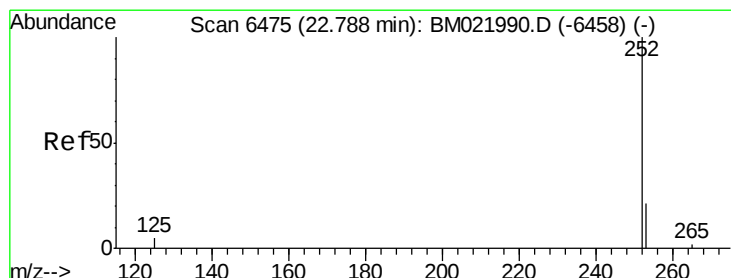
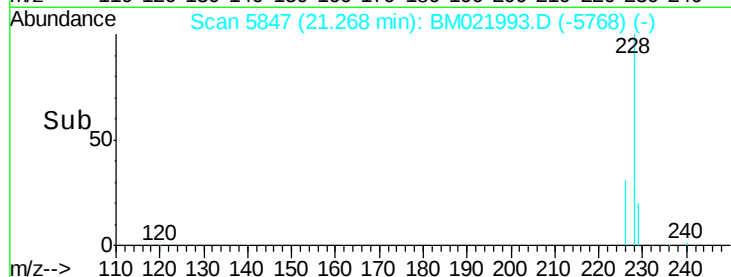
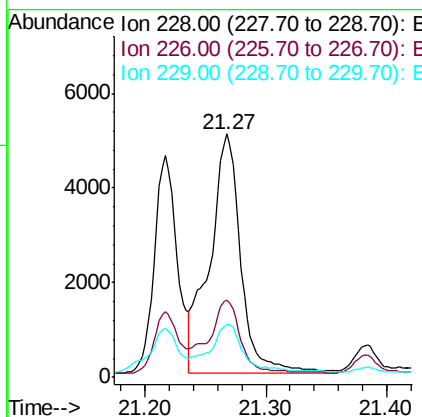
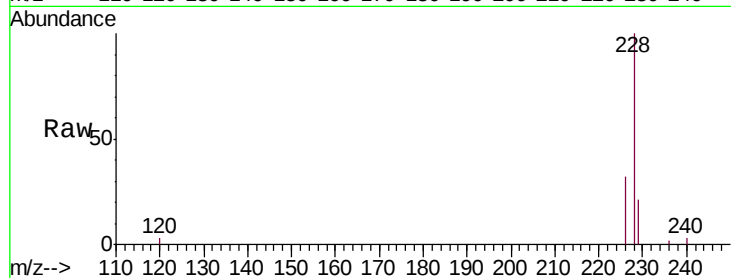
ClientSampleId :

BENT4

Tgt Ion:	228	Resp:	9064
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	21.5	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 1.494 ng/ul m

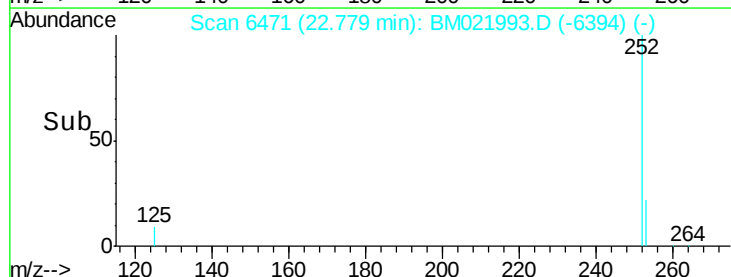
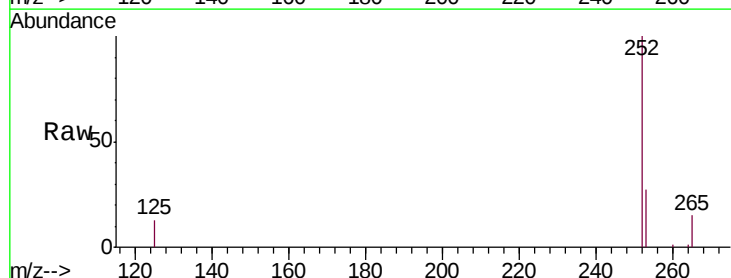
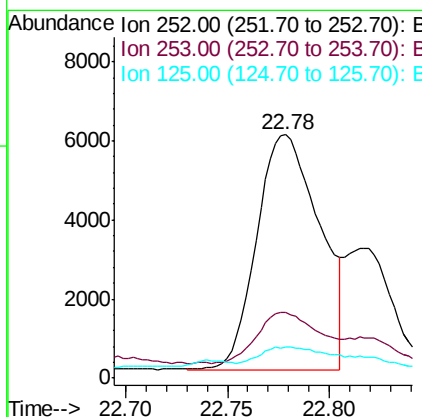
RT: 22.78 min Scan# 6471

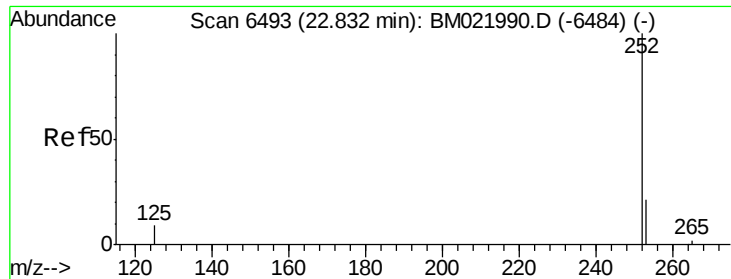
Delta R.T. -0.01 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Tgt Ion:	252	Resp:	12811
Ion	Ratio	Lower	Upper
252	100		
253	27.0	0.0	67.4
125	13.0	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 0.568 ng/ul m

RT: 22.82 min Scan# 6487

Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Instrument :

BNA_M

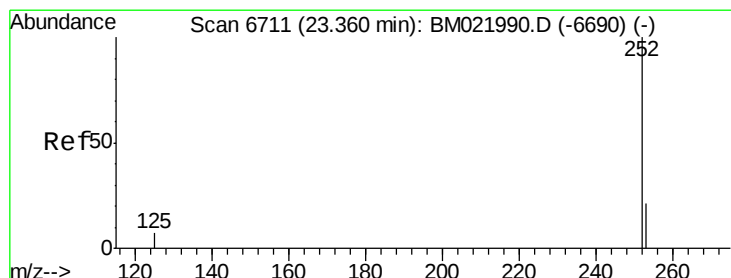
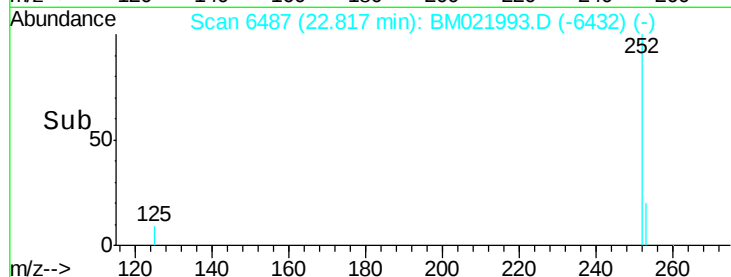
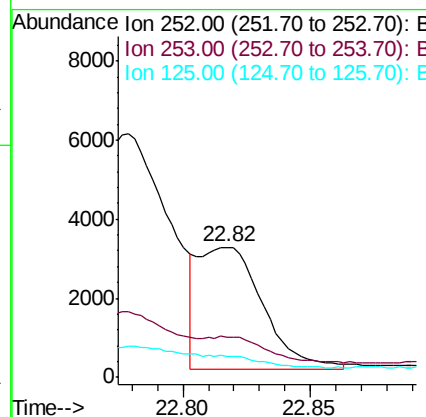
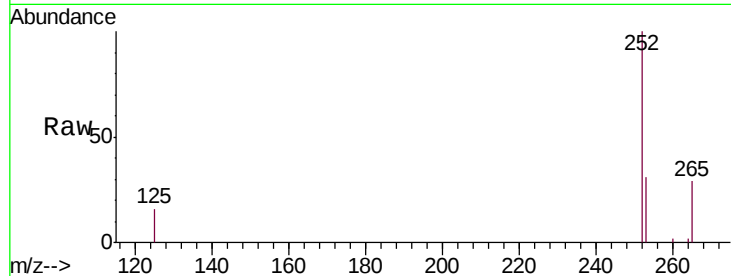
ClientSampleId :

BENT4

Tgt Ion:	252	Resp:	5508
Ion Ratio	Lower	Upper	
252	100		
253	31.3	27.0	40.4
125	16.4	12.2	18.2

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#23

Benzo(a)pyrene

Concen: 0.969 ng/ul m

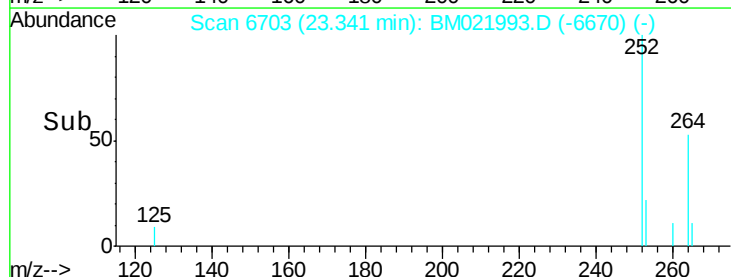
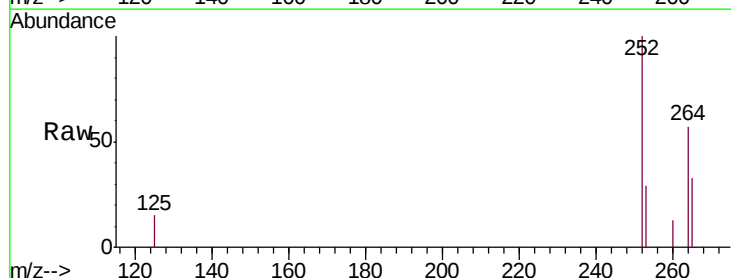
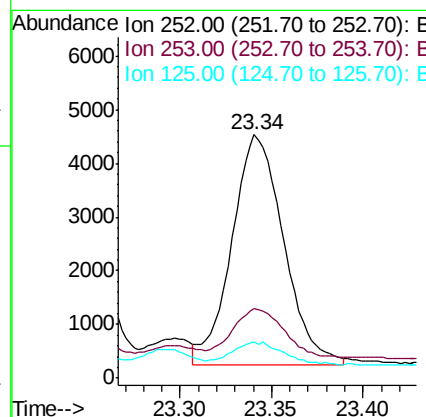
RT: 23.34 min Scan# 6703

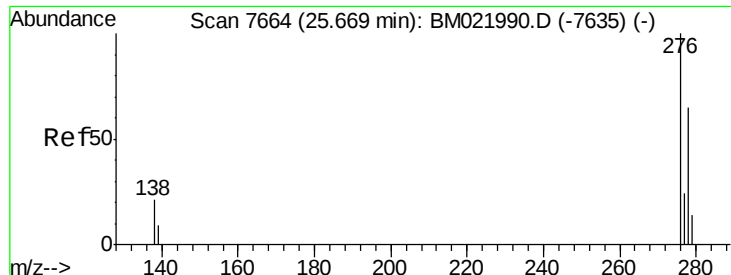
Delta R.T. -0.02 min

Lab File: BM021993.D

Acq: 10 Aug 2019 10:49

Tgt Ion:	252	Resp:	8452
Ion Ratio	Lower	Upper	
252	100		
253	28.6	31.7	47.5#
125	14.9	14.6	21.8





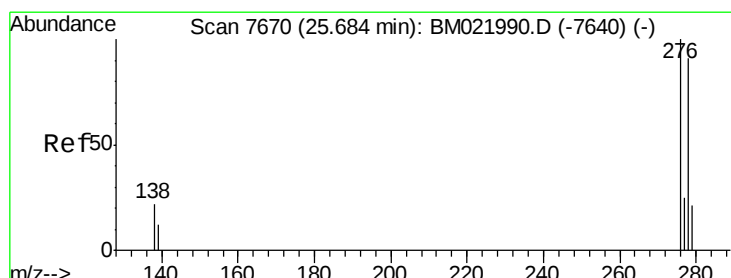
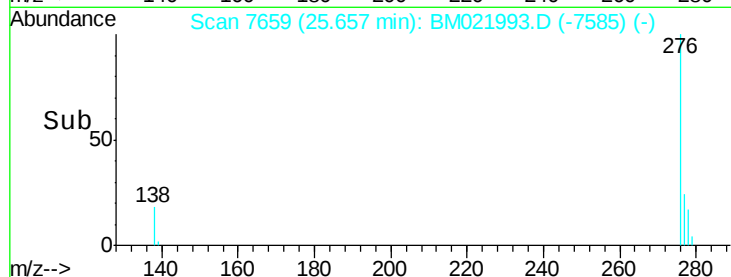
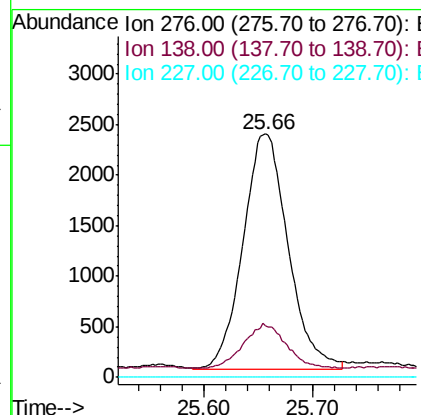
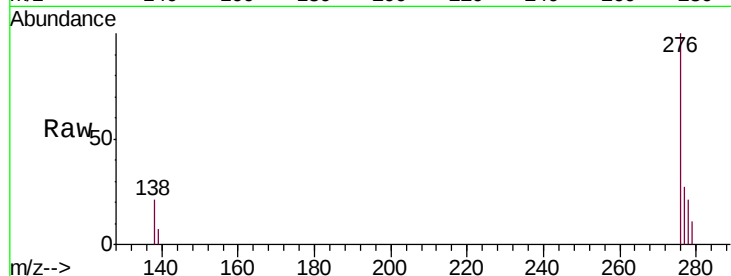
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.642 ng/ul m
 RT: 25.66 min Scan# 7659
 Delta R.T. -0.02 min
 Lab File: BM021993.D
 Acq: 10 Aug 2019 10:49

Instrument :
 BNA_M
 ClientSampleId :
 BENT4

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	6688		
138	2.0	15.1	22.7#	
227	0.0	0.0	0.0	

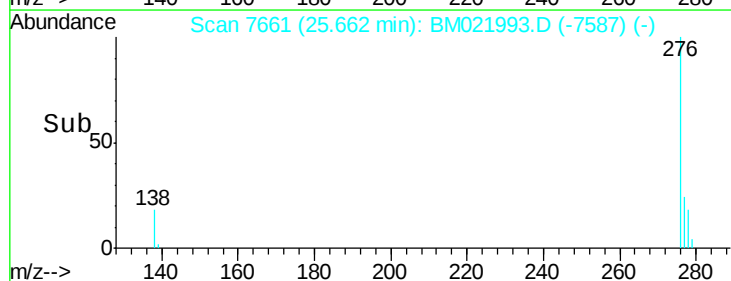
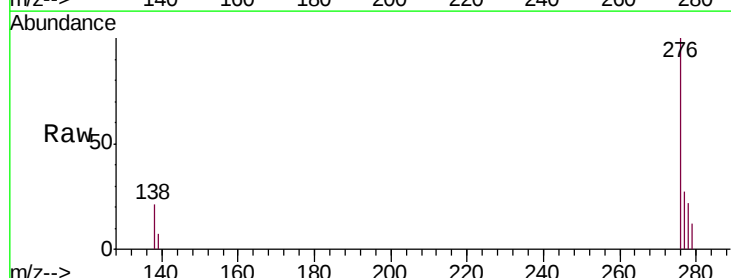
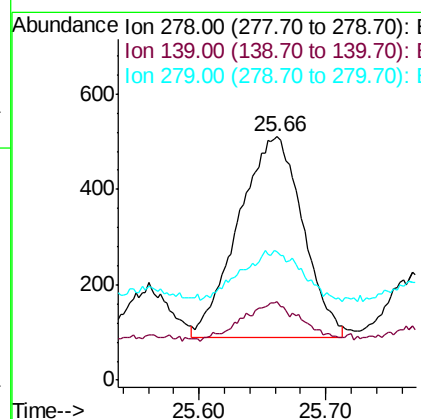
Manual Integrations
 APPROVED

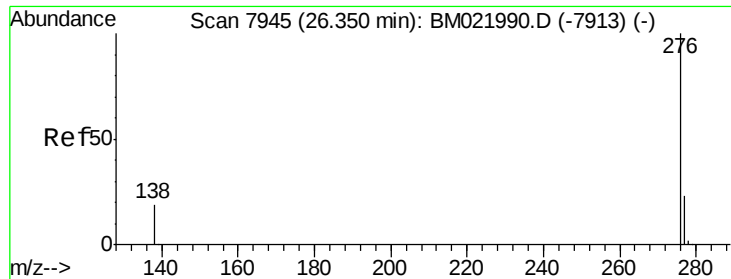
Sohil
 8/13/2019 8:34:04 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.176 ng/ul m
 RT: 25.66 min Scan# 7661
 Delta R.T. -0.02 min
 Lab File: BM021993.D
 Acq: 10 Aug 2019 10:49

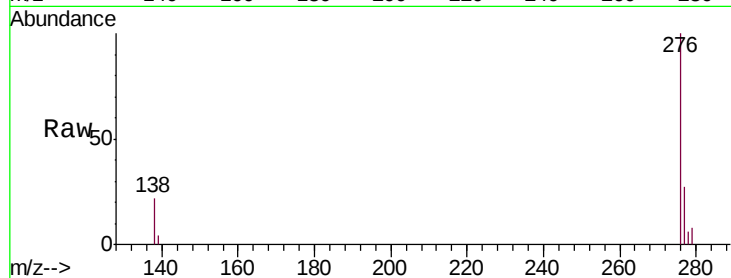
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	1484		
139	32.5	14.2	21.2#	
279	52.6	28.3	42.5#	





#26
 Benzo(g,h,i)perylene
 Concen: 0.744 ng/ul m
 RT: 26.34 min Scan# 7940
 Delta R.T. -0.02 min
 Lab File: BM021993.D
 Acq: 10 Aug 2019 10:49

Instrument :
 BNA_M
 ClientSampleId :
 BENT4



Tgt Ion:	276	Resp:	6973
Ion Ratio	Lower	Upper	
276	100		
138	22.1	15.5	23.3
277	27.1	21.4	32.2

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:04 AM

