

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022163.D
 Acq On : 16 Aug 2019 03:06
 Operator : HP/JU
 Sample : K4183-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AF2

Manual Integrations
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mohammad
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Quant Time: Aug 16 15:38:12 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 16 14:59:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	760	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3048	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	1640	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	3944m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4132m	0.40	ng/ul	-0.02
20) Perylene-d12	23.41	264	4658	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	982	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.04	212	2917m	0.22	ng/ul	-0.03
Target Compounds					Ovalue	
3) Naphthalene	10.42	128	227	0.026	ng/ul#	46
5) 2-Methylnaphthalene	12.06	142	160	0.028	ng/ul	96
7) Acenaphthylene	13.97	152	885	0.116	ng/ul#	78
8) Acenaphthene	14.31	153	250	0.040	ng/ul#	91
9) Fluorene	15.31	166	444	0.064	ng/ul#	92
12) Phenanthrene	17.04	178	14614	1.273	ng/ul	98
13) Anthracene	17.14	178	2830m	0.289	ng/ul	
15) Fluoranthene	19.07	202	73674m	4.793	ng/ul	
17) Pyrene	19.44	202	64777	3.815	ng/ul	98
18) Benzo(a)anthracene	21.19	228	35683	2.414	ng/ul	99
19) Chrysene	21.25	228	50244	2.643	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	79805m	5.081	ng/ul	
22) Benzo(k)fluoranthene	22.79	252	30374m	1.709	ng/ul	
23) Benzo(a)pyrene	23.32	252	46597	2.917	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.62	276	40702	2.134	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.62	278	9772	0.634	ng/ul#	88
26) Benzo(a,h,i)perylene	26.29	276	41202	2.399	ng/ul	97

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

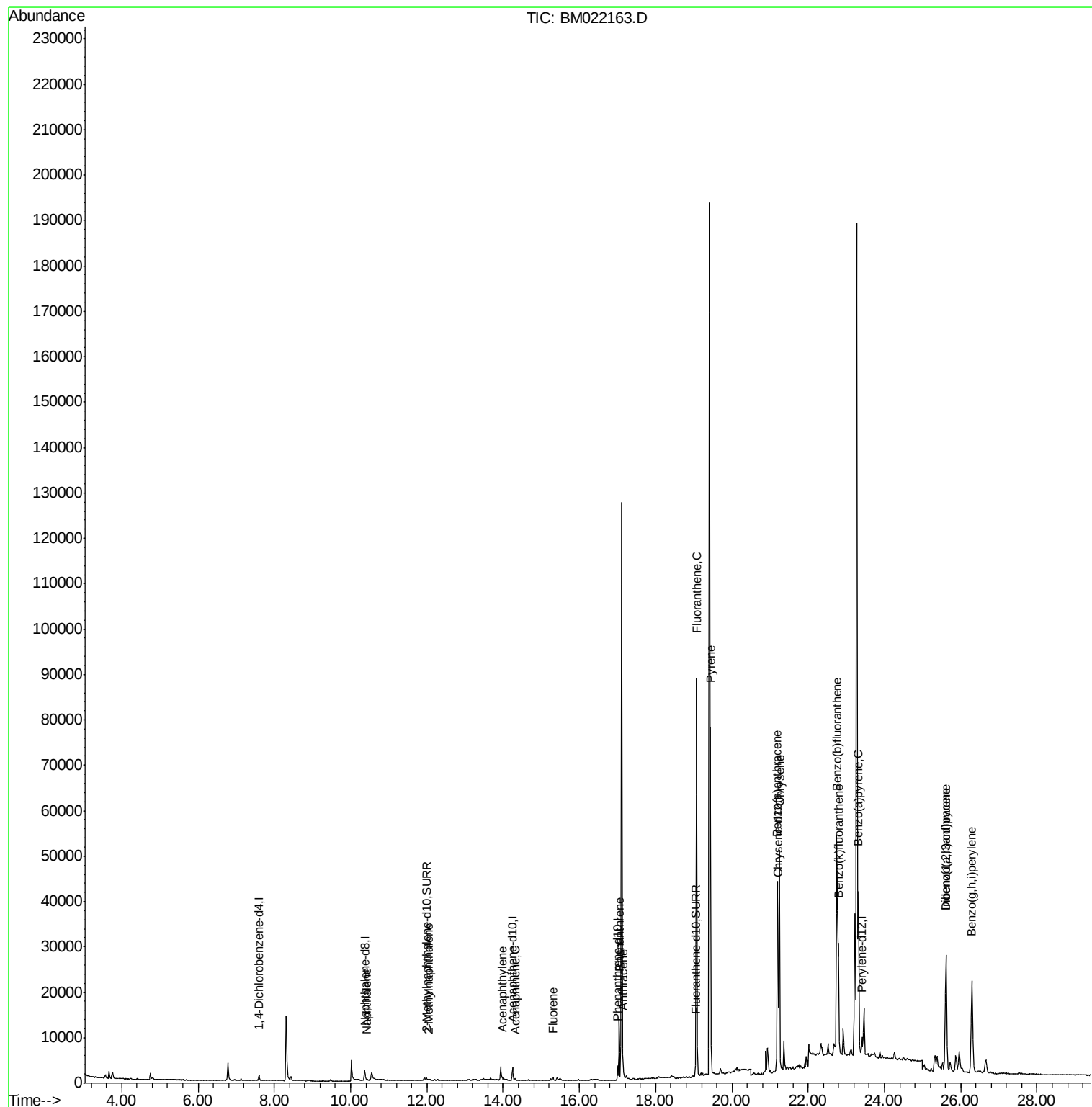
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022163.D
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ALS Vial : 18 Sample Multiplier: 1

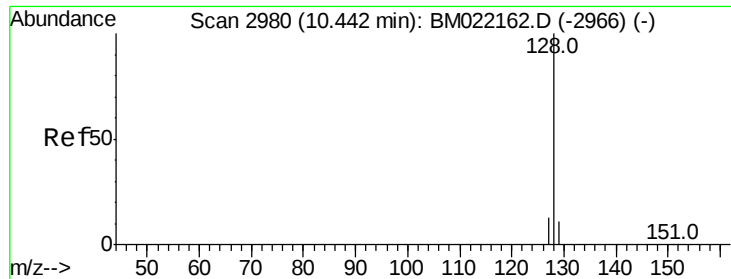
Instrument :
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QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.026 ng/ul

RT: 10.42 min Scan# 2975

Delta R.T. -0.03 min

Lab File: BM022163.D

Acq: 16 Aug 2019 03:06

Instrument :

BNA_M

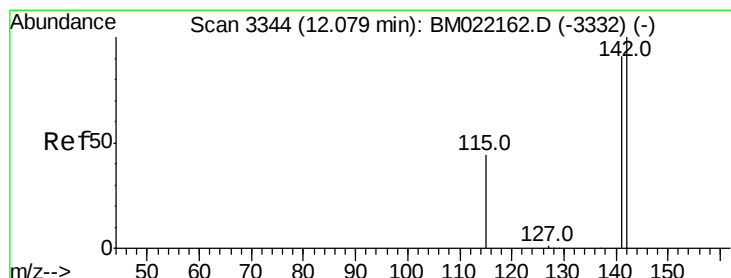
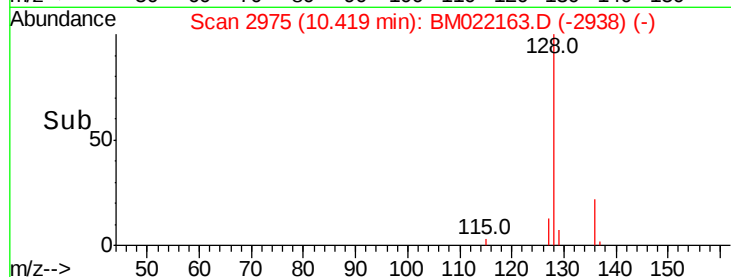
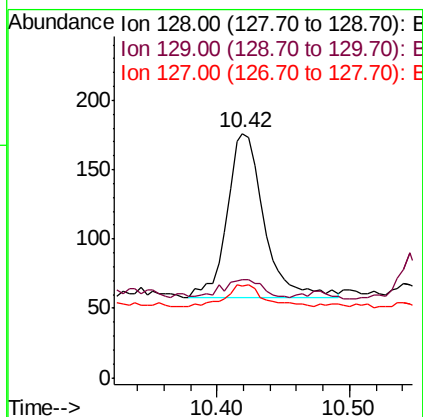
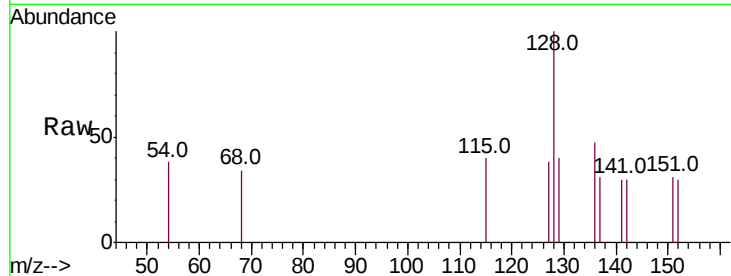
ClientSampleId :

C0AF2

Tot Ion:	128	Resp:	227
Ion	Ratio	Lower	Upper
128	100		
129	40.3	12.3	18.5#
127	37.5	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.028 ng/ul

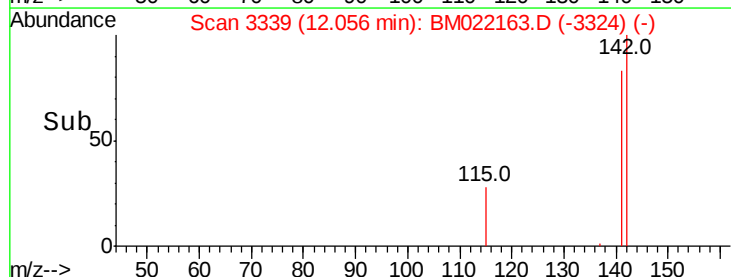
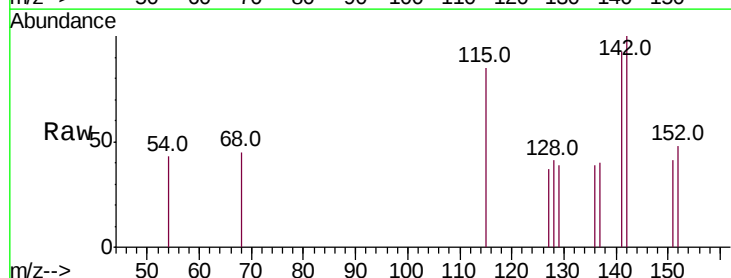
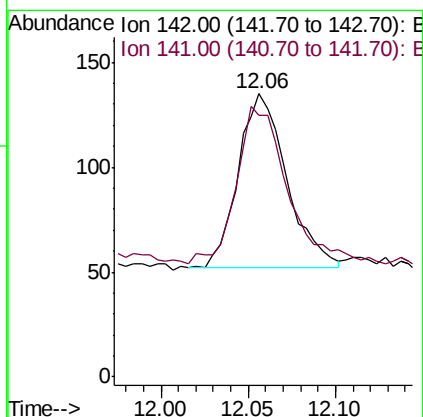
RT: 12.06 min Scan# 3339

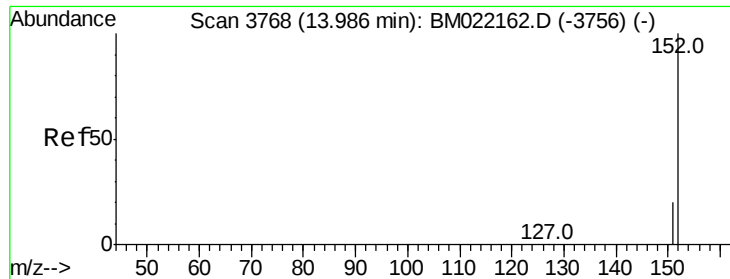
Delta R.T. -0.03 min

Lab File: BM022163.D

Acq: 16 Aug 2019 03:06

Tgt Ion:	142	Resp:	160
Ion	Ratio	Lower	Upper
142	100		
141	96.9	74.3	111.5





#7

Acenaphthylene

Concen: 0.116 ng/ul

RT: 13.97 min Scan# 3765

Delta R.T. -0.02 min

Lab File: BM022163.D

Acq: 16 Aug 2019 03:06

Instrument :

BNA_M

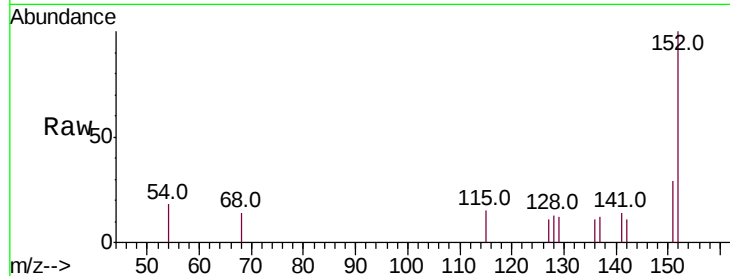
ClientSampleId :

C0AF2

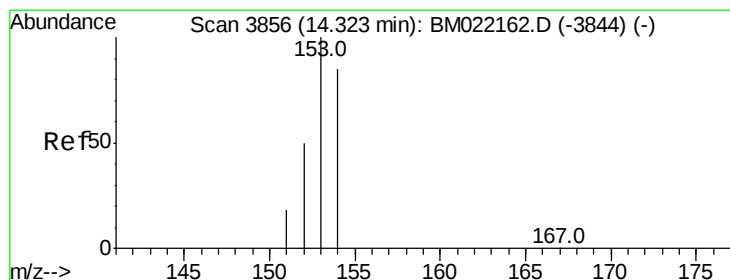
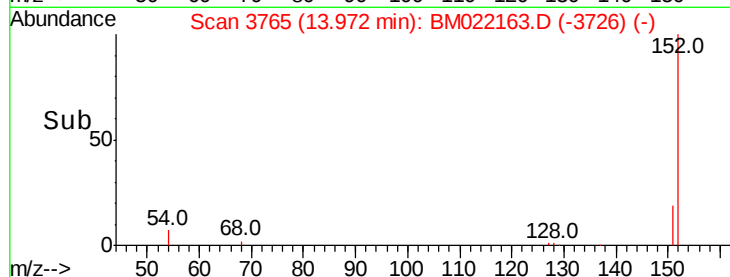
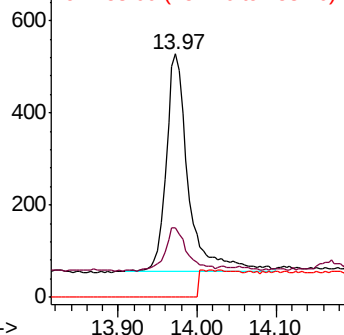
Tot Ion:	152	Resp:	885
Ion Ratio	Lower	Upper	
152	100		
151	28.6	18.3	27.5#
153	0.0	12.8	19.2#

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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



#8

Acenaphthene

Concen: 0.040 ng/ul

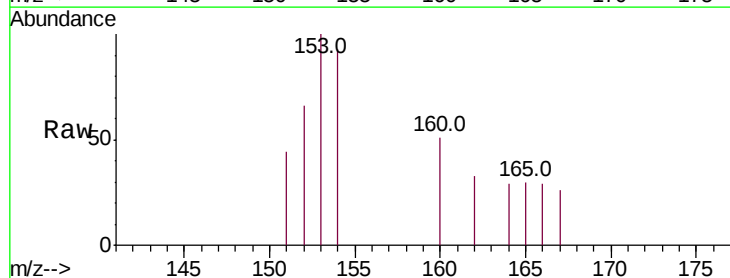
RT: 14.31 min Scan# 3853

Delta R.T. -0.02 min

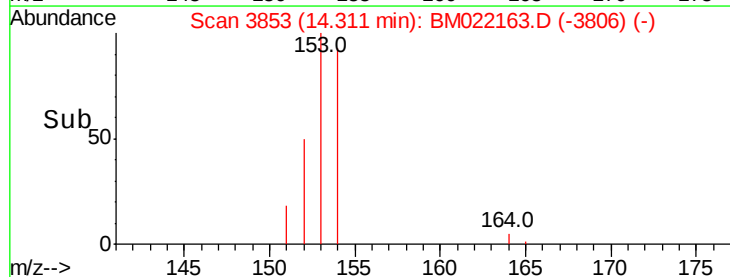
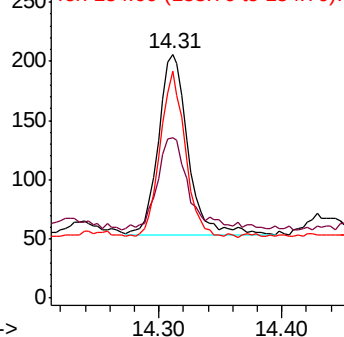
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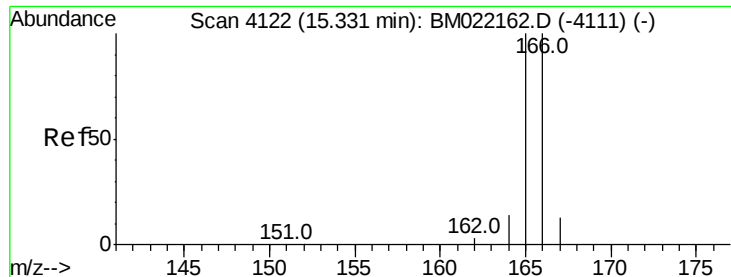
Acq: 16 Aug 2019 03:06

Tgt Ion:	153	Resp:	250
Ion Ratio	Lower	Upper	
153	100		
152	66.0	41.3	61.9#
154	93.2	72.3	108.5



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





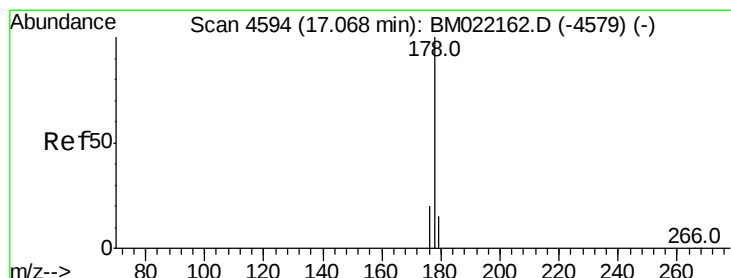
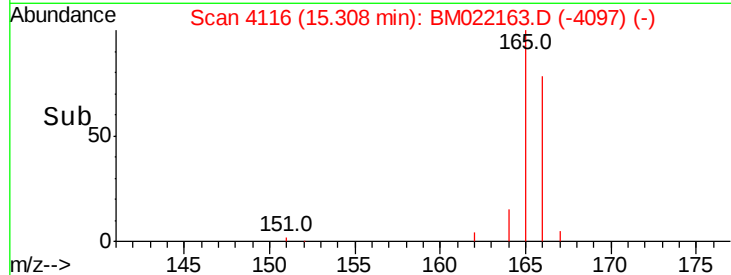
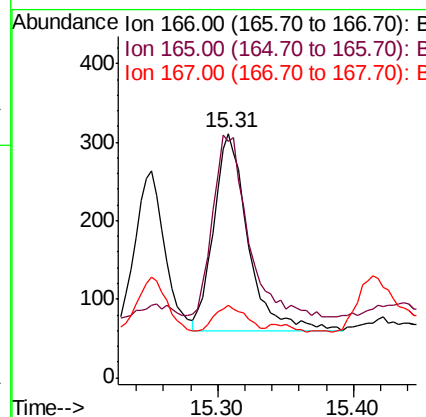
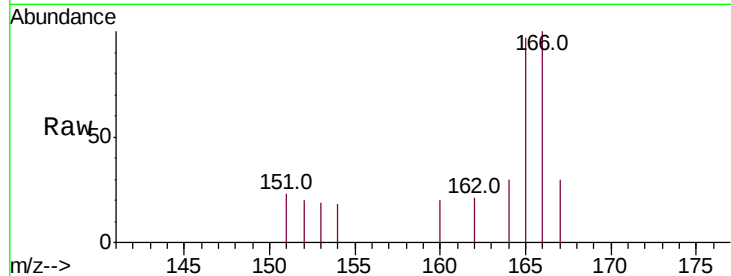
#9
Fluorene
 Concen: 0.064 ng/ul
 RT: 15.31 min Scan# 4116
 Delta R.T. -0.03 min
 Lab File: BM022163.D
 Acq: 16 Aug 2019 03:06

Instrument :
 BNA_M
 ClientSampleId :
 C0AF2

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	81.4	122.0
167	29.6	13.7	20.5

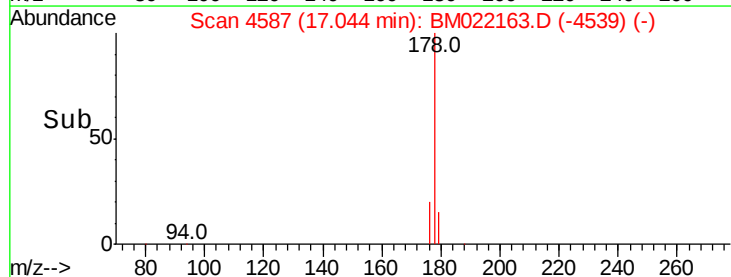
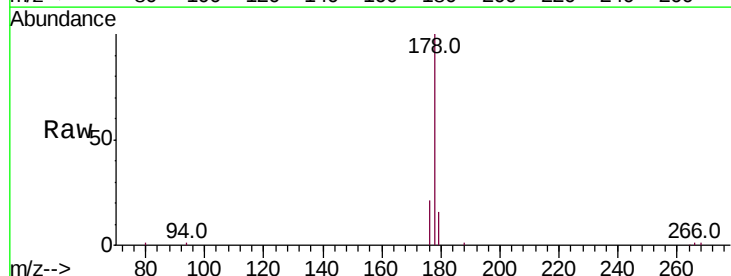
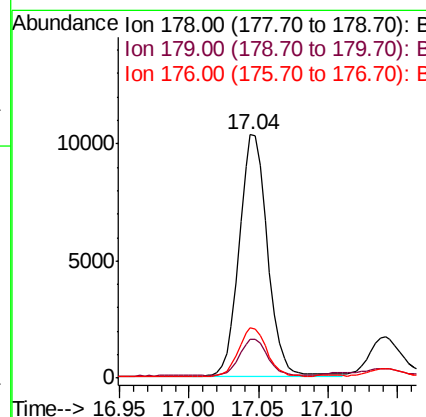
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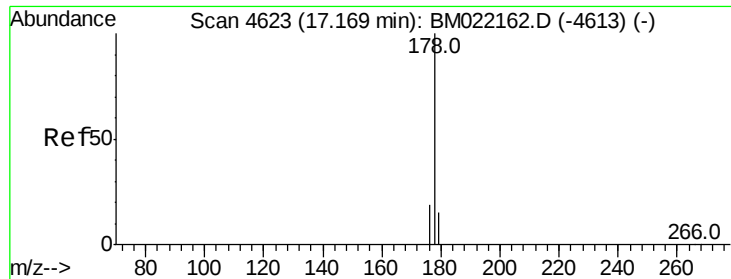
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#12
Phenanthrene
 Concen: 1.273 ng/ul
 RT: 17.04 min Scan# 4587
 Delta R.T. -0.03 min
 Lab File: BM022163.D
 Acq: 16 Aug 2019 03:06

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	14.2	21.2
176	20.5	16.8	25.2





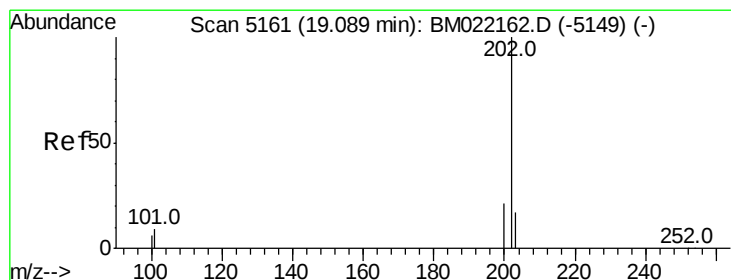
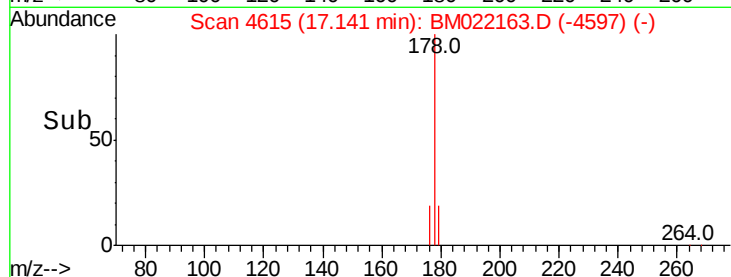
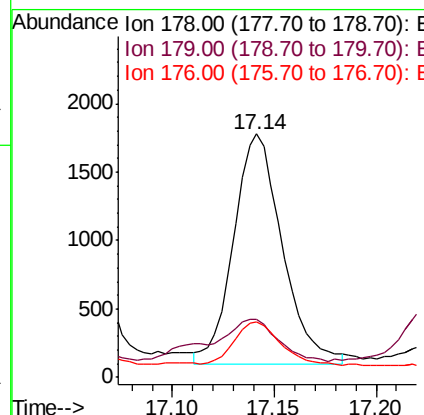
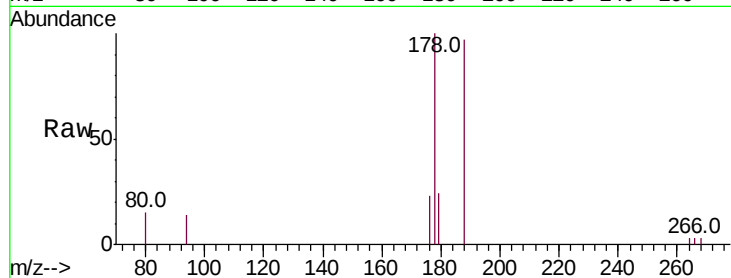
#13
 Anthracene
 Concen: 0.289 ng/ul m
 RT: 17.14 min Scan# 4615
 Delta R.T. -0.04 min
 Lab File: BM022163.D
 Acq: 16 Aug 2019 03:06

Instrument :
 BNA_M
 ClientSampleId :
 C0AF2

Tot Ion	Ratio	Lower	Upper
178	100		
179	23.8	15.5	23.3#
176	22.8	16.6	25.0

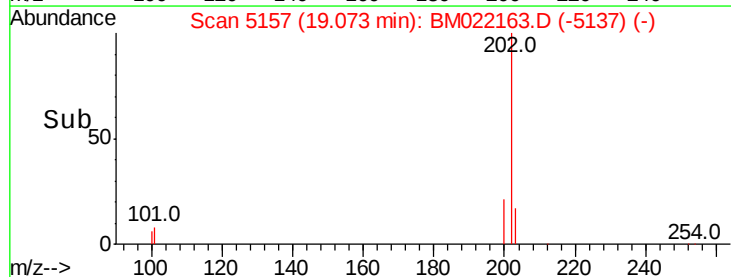
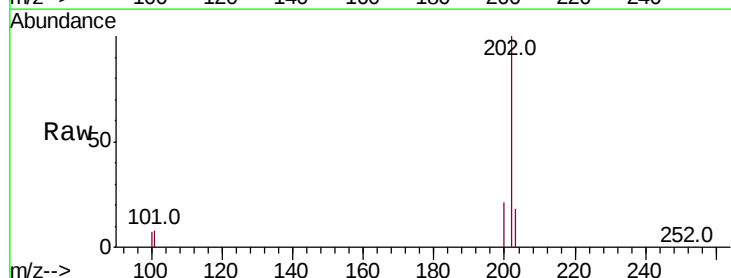
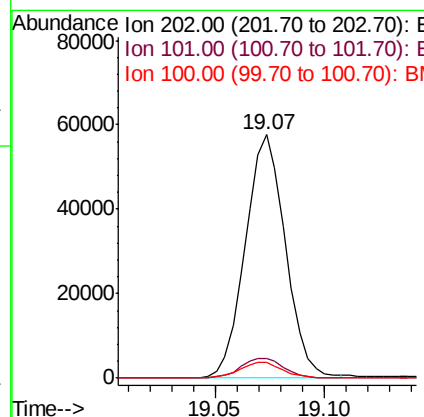
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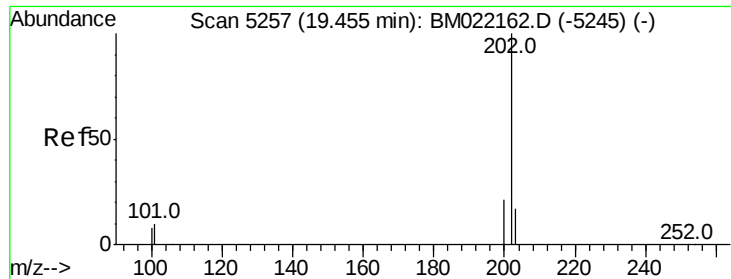
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#15
 Fluoranthene
 Concen: 4.793 ng/ul m
 RT: 19.07 min Scan# 5157
 Delta R.T. -0.03 min
 Lab File: BM022163.D
 Acq: 16 Aug 2019 03:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	30.2
100	6.5	0.0	28.1





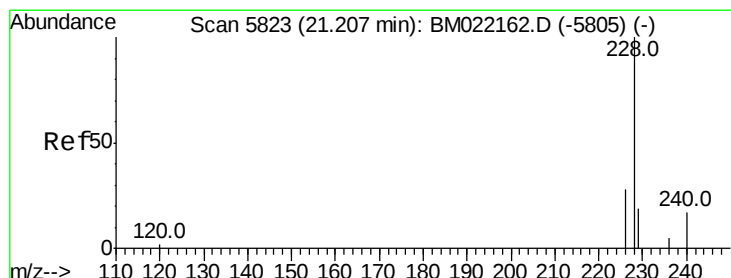
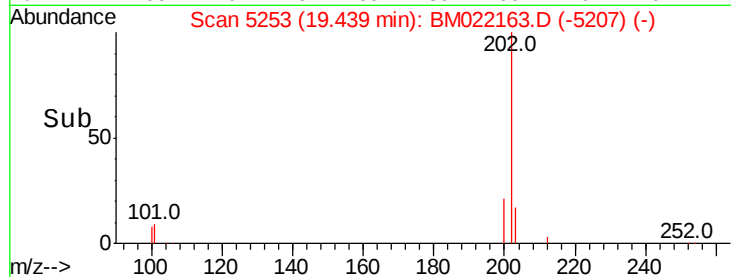
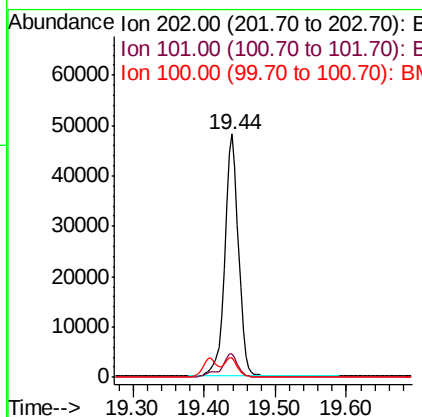
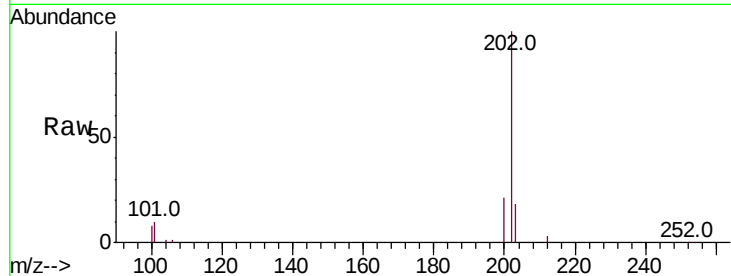
#17
Pvrene
Concen: 3.815 ng/ul
RT: 19.44 min Scan# 5253
Delta R.T. -0.03 min
Lab File: BM022163.D
Acq: 16 Aug 2019 03:06

Instrument :
BNA_M
ClientSampleId :
C0AF2

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.6	8.3	12.5
100	8.0	7.2	10.8

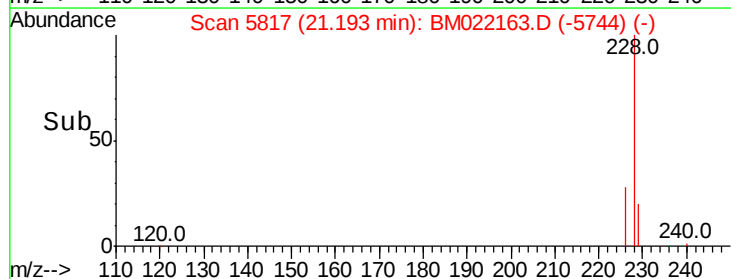
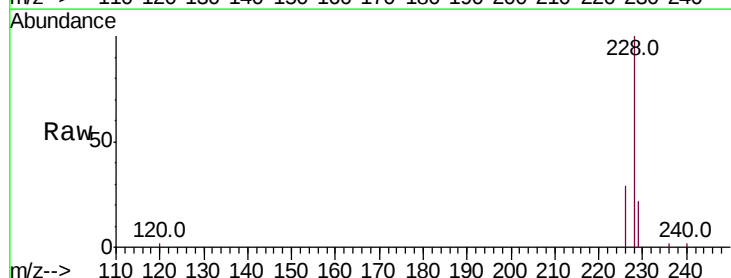
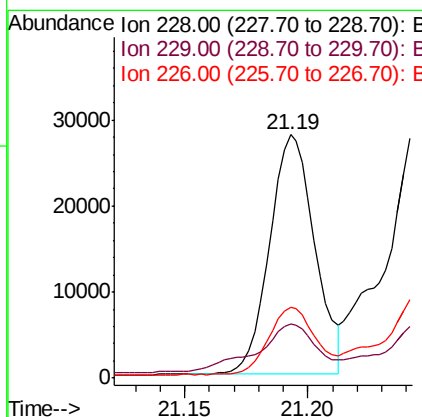
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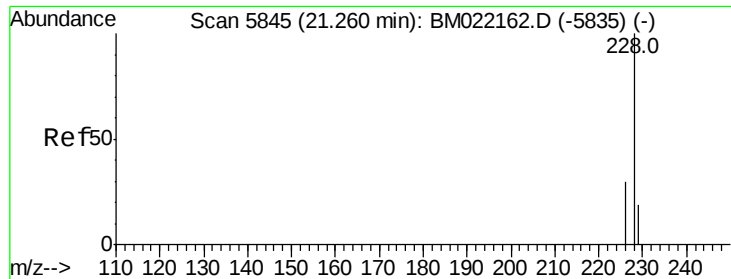
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#18
Benzo(a)anthracene
Concen: 2.414 ng/ul
RT: 21.19 min Scan# 5817
Delta R.T. -0.02 min
Lab File: BM022163.D
Acq: 16 Aug 2019 03:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.1	17.2	25.8
226	29.0	22.6	34.0





#19

Chrysene

Concen: 2.643 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. -0.02 min

Lab File: BM022163.D

Acq: 16 Aug 2019 03:06

Instrument :

BNA_M

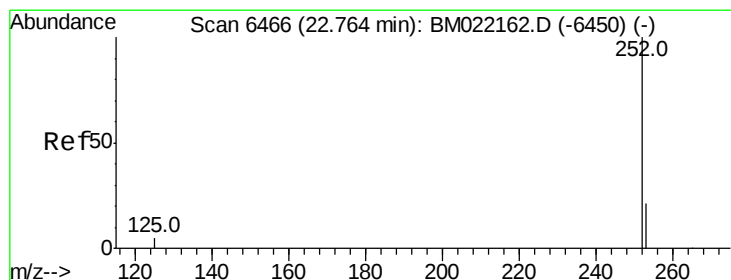
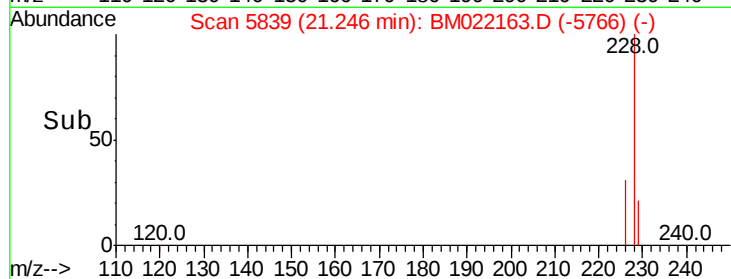
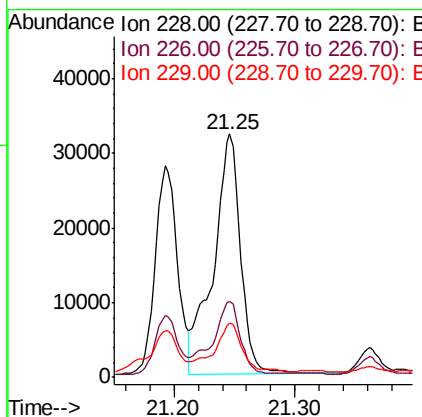
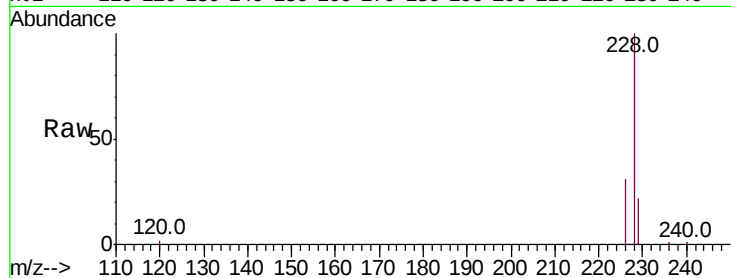
ClientSampleId :

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Tot Ion:	228	Resp:	50244
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.9	37.3
229	22.1	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 5.081 ng/ul m

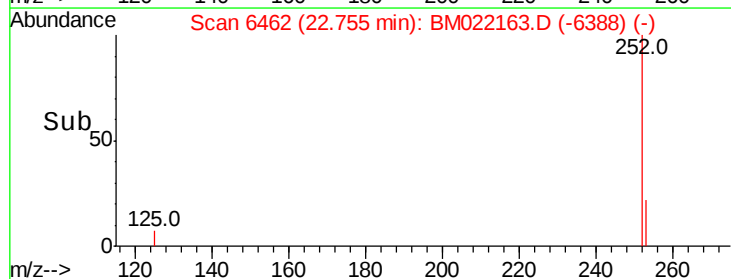
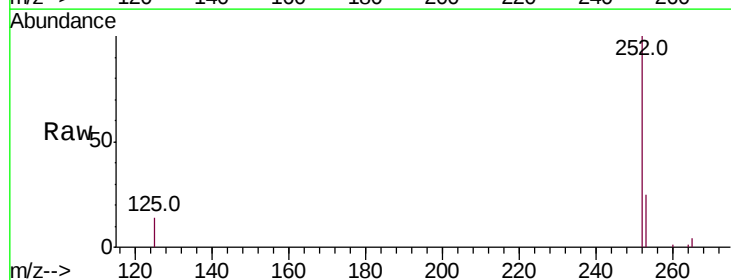
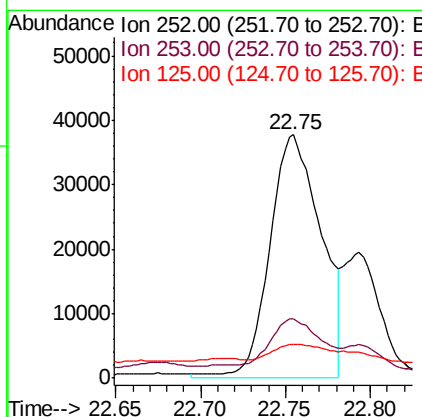
RT: 22.75 min Scan# 6462

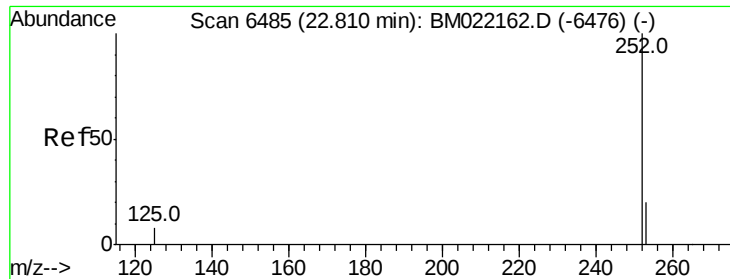
Delta R.T. -0.02 min

Lab File: BM022163.D

Acq: 16 Aug 2019 03:06

Tgt Ion:	252	Resp:	79805
Ion Ratio	Lower	Upper	
252	100		
253	24.5	0.0	67.4
125	14.1	0.0	31.0





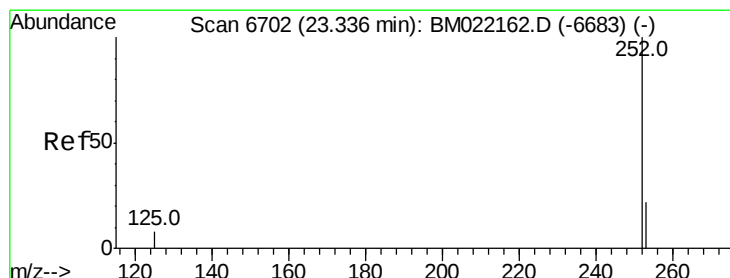
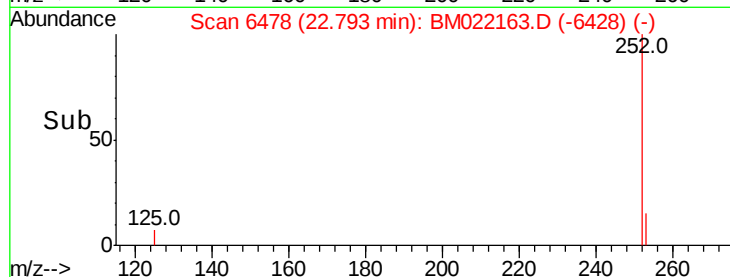
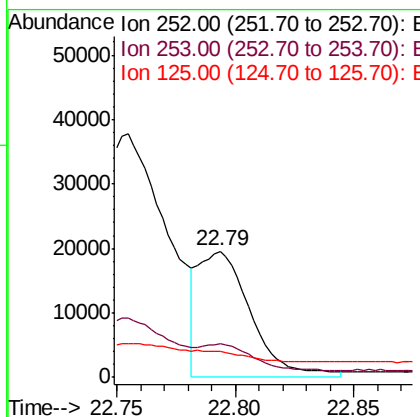
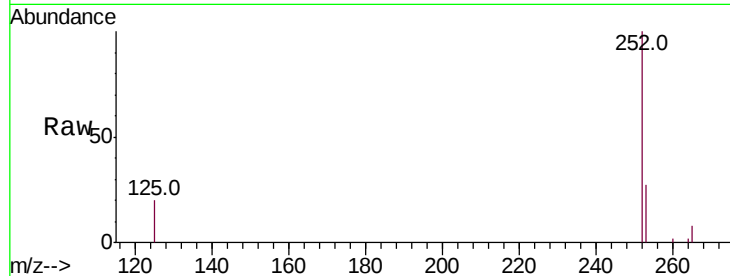
#22
Benzo(k)fluoranthene
Concen: 1.709 ng/ul
RT: 22.79 min Scan# 6478
Delta R.T. -0.03 min
Lab File: BM022163.D
Acq: 16 Aug 2019 03:06

Instrument :
BNA_M
ClientSampleId :
C0AF2

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	27.0	40.4#
125	20.3	12.2	18.2#

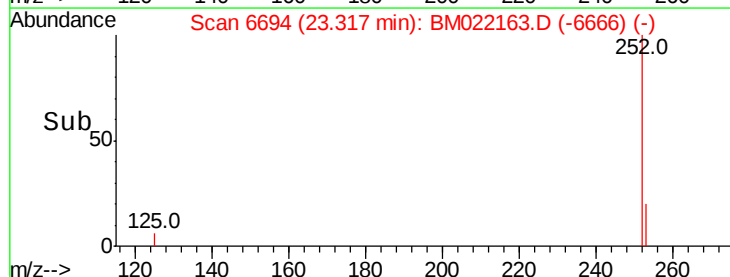
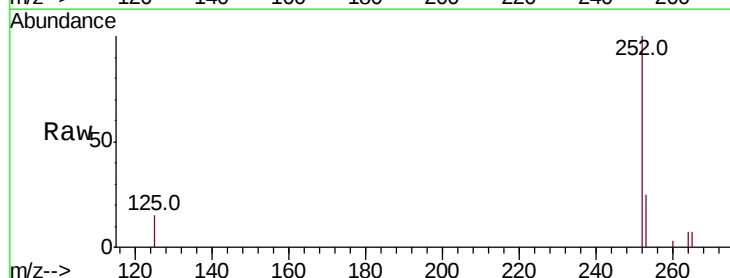
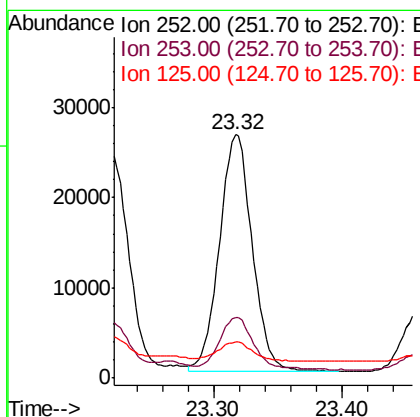
Manual Integrations
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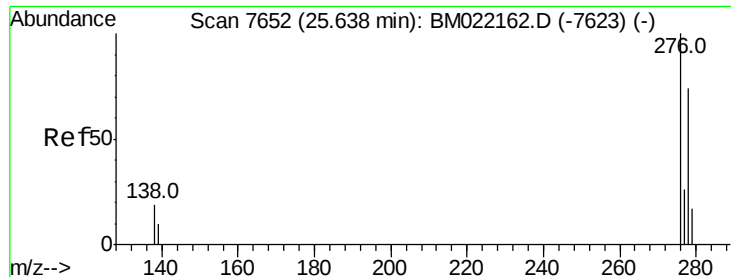
mohammad
8/19/2019 10:46:20 AM



#23
Benzo(a)pyrene
Concen: 2.917 ng/ul
RT: 23.32 min Scan# 6694
Delta R.T. -0.03 min
Lab File: BM022163.D
Acq: 16 Aug 2019 03:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	31.7	47.5#
125	14.8	14.6	21.8





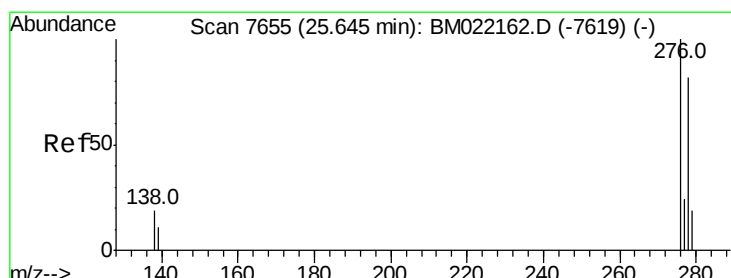
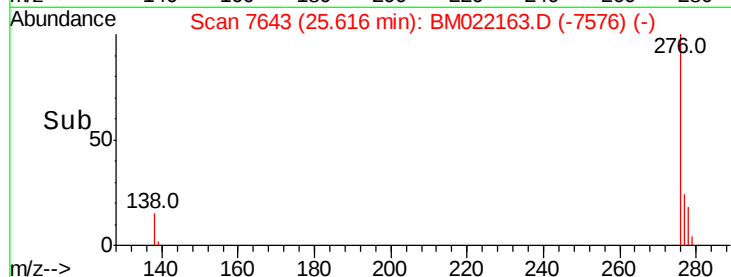
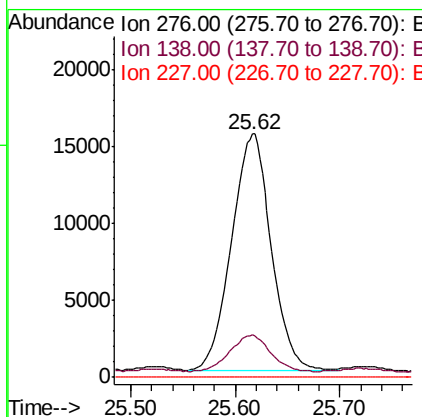
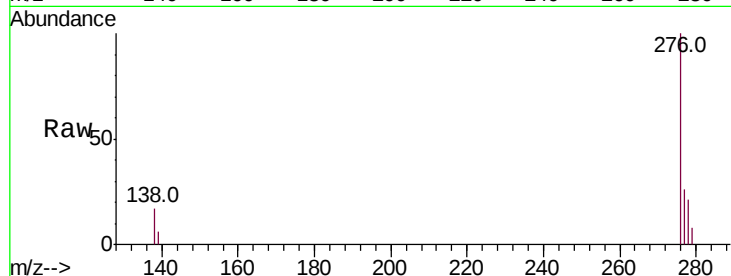
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.134 ng/uL
 RT: 25.62 min Scan# 7643
 Delta R.T. -0.04 min
 Lab File: BM022163.D
 Acq: 16 Aug 2019 03:06

Instrument :
 BNA_M
 ClientSampleId :
 C0AF2

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.8	15.1	22.7
227	0.0	0.0	0.0

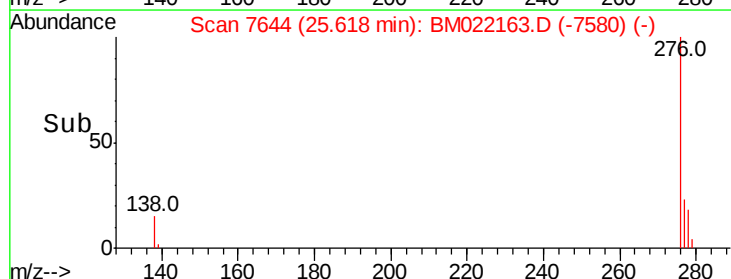
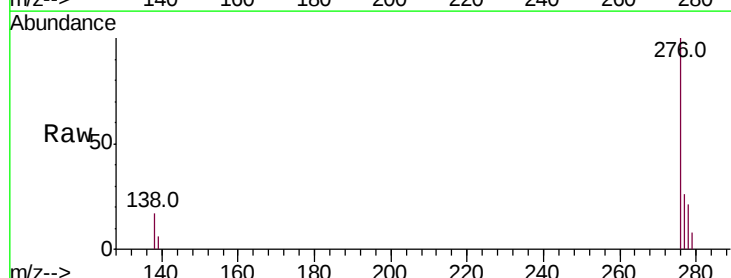
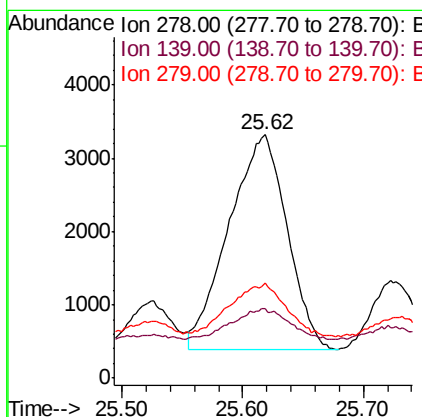
Manual Integrations
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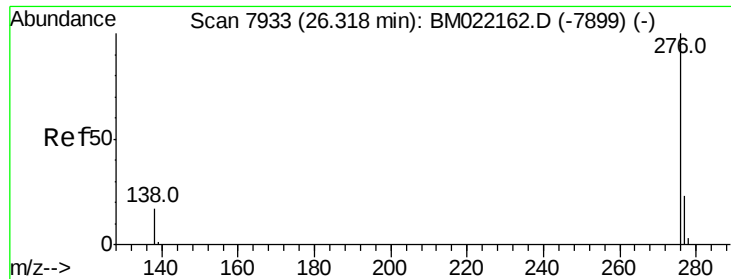
mohammad
 8/19/2019 10:46:20 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.634 ng/uL
 RT: 25.62 min Scan# 7644
 Delta R.T. -0.05 min
 Lab File: BM022163.D
 Acq: 16 Aug 2019 03:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.5	14.2	21.2#
279	39.2	28.3	42.5





#26

Benzo(a,h,i)perylene

Concen: 2.399 ng/ul

RT: 26.29 min Scan# 7923

Delta R.T. -0.04 min

Lab File: BM022163.D

Acq: 16 Aug 2019 03:06

Instrument :

BNA_M

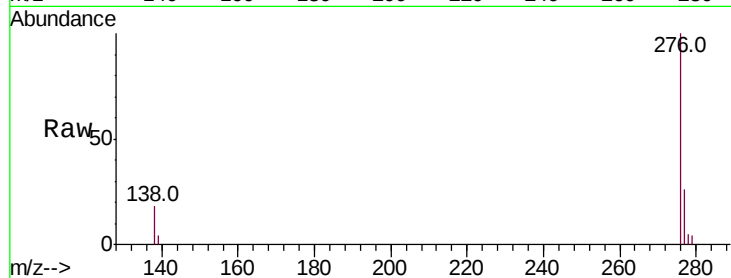
ClientSampleId :

C0AF2

Tot Ion:	276	Resp:	41202
Ion Ratio	Lower	Upper	
276	100		
138	18.0	15.5	23.3
277	25.7	21.4	32.2

Manual Integrations
APPROVED

mohammad
8/19/2019 10:46:20 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

