

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
 Data File : BM022166.D
 Acq On : 16 Aug 2019 04:55
 Operator : HP/JU
 Sample : K4242-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AF7

Manual Integrations
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mohammad
 8/19/2019 10:46:28 AM

Quant Time: Aug 16 16:04:47 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	941	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3470	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.24	164	2242	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4463m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	4755m	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	10464m	0.40	ng/ul	0.06
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2067	0.36	ng/ul	-0.04
14) Fluoranthene-d10	19.05	212	7575m	0.50	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	20230	2.064	ng/ul#	74
5) 2-Methylnaphthalene	12.04	142	10839	1.660	ng/ul	99
7) Acenaphthylene	13.97	152	9944	0.951	ng/ul#	80
8) Acenaphthene	14.31	153	1727	0.202	ng/ul#	86
9) Fluorene	15.31	166	2111	0.222	ng/ul#	67
12) Phenanthrene	17.05	178	29993m	2.310	ng/ul	
13) Anthracene	17.14	178	11735m	1.059	ng/ul	
15) Fluoranthene	19.09	202	148339m	8.528	ng/ul	
17) Pyrene	19.45	202	219847	11.251	ng/ul	95
18) Benzo(a)anthracene	21.22	228	60408m	3.552	ng/ul	
19) Chrysene	21.28	228	98238m	4.491	ng/ul	
21) Benzo(b)fluoranthene	22.84	252	193162m	5.474	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	130760m	3.275	ng/ul	
23) Benzo(a)pyrene	23.41	252	280876m	7.827	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.73	276	183463	4.282	ng/ul#	80
25) Dibenzo(a,h)anthracene	25.73	278	51032m	1.474	ng/ul	
26) Benzo(a,h,i)perylene	26.42	276	177316	4.597	ng/ul#	89

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

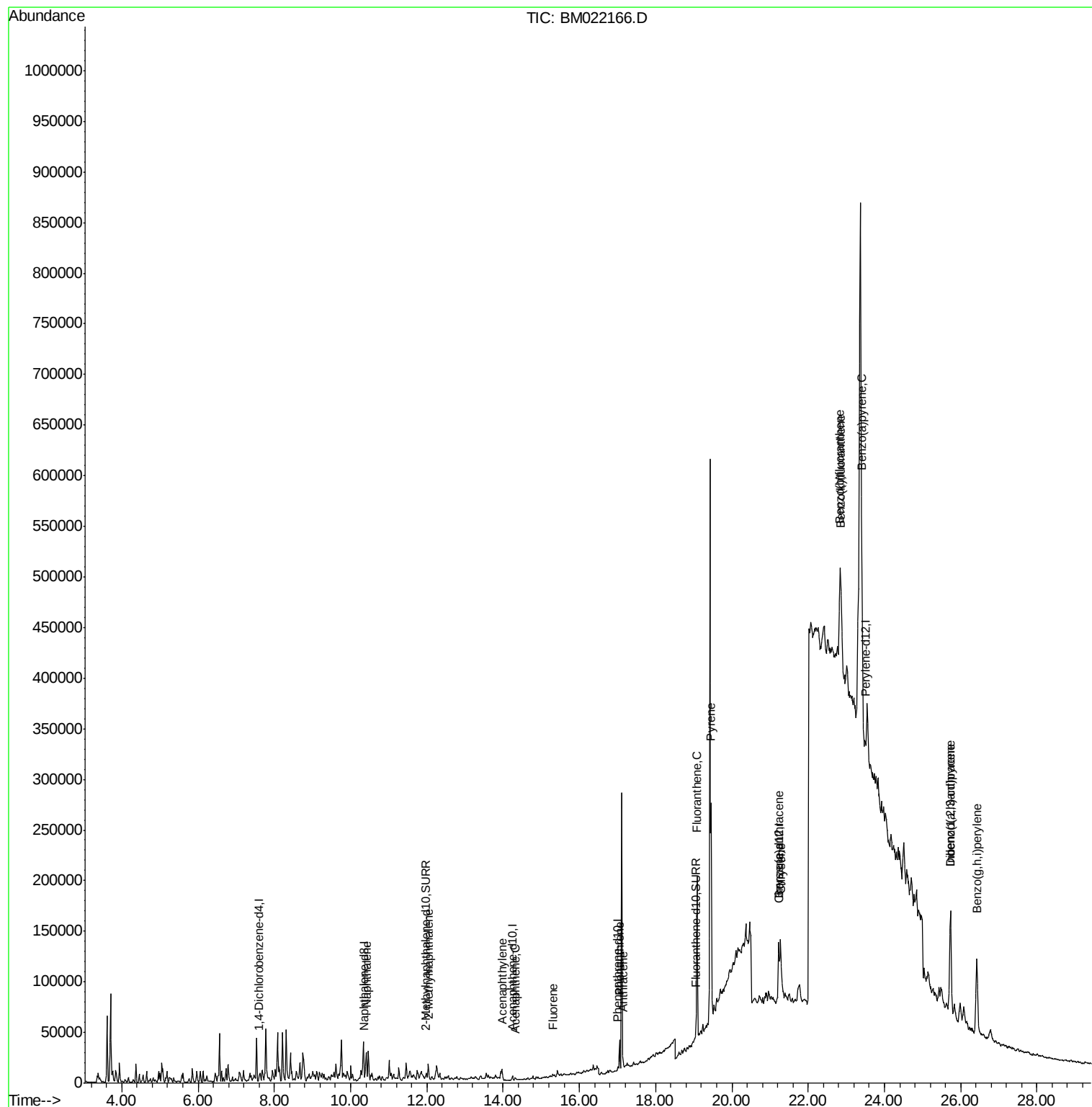
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
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ALS Vial : 21 Sample Multiplier: 1

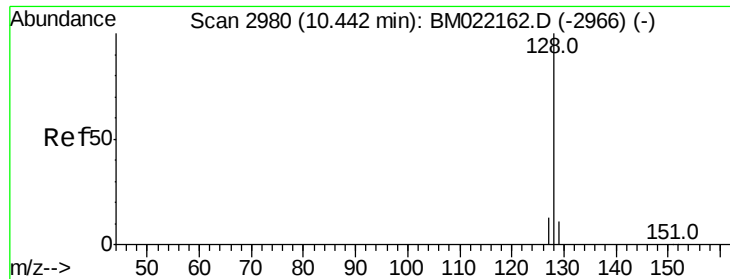
Instrument :
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QLast Update : Fri Aug 16 14:59:47 2019
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#3

Naphthalene

Concen: 2.064 ng/ul

RT: 10.42 min Scan# 2974

Delta R.T. -0.04 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Instrument :

BNA_M

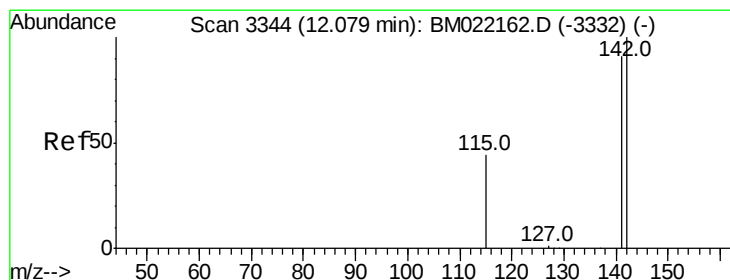
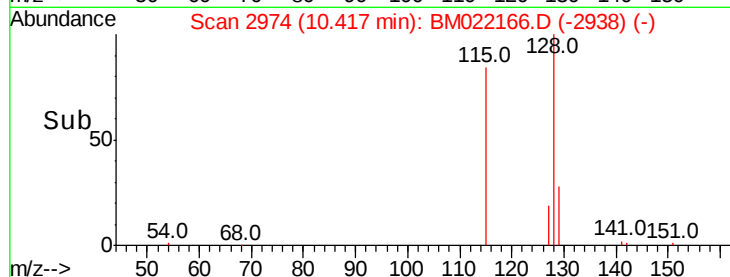
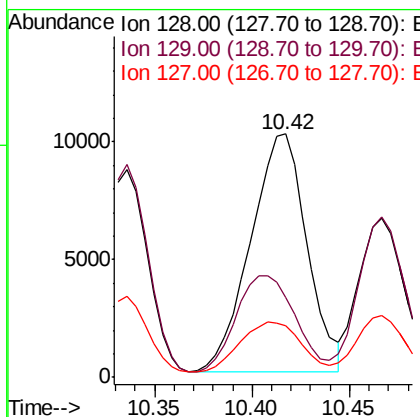
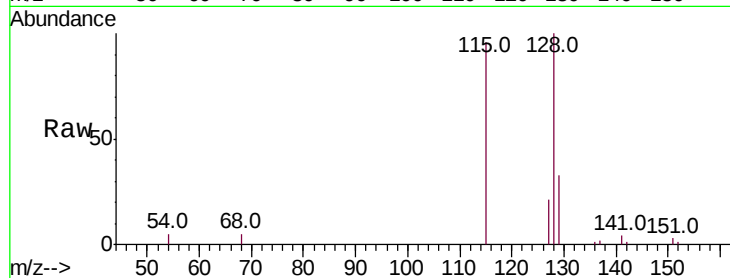
ClientSampleId :

C0AF7

Tot Ion:128	Resp:	20230
Ion Ratio	Lower	Upper
128	100	
129	33.0	12.3 18.5#
127	21.0	13.0 19.6#

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#5

2-Methylnaphthalene

Concen: 1.660 ng/ul

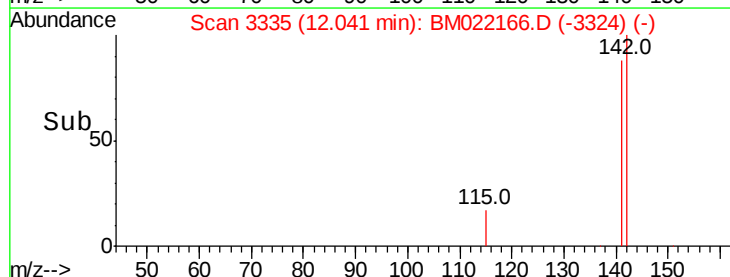
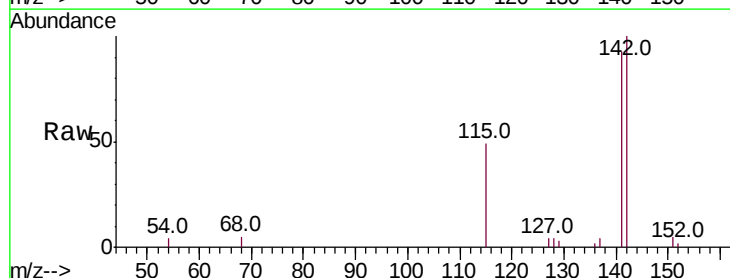
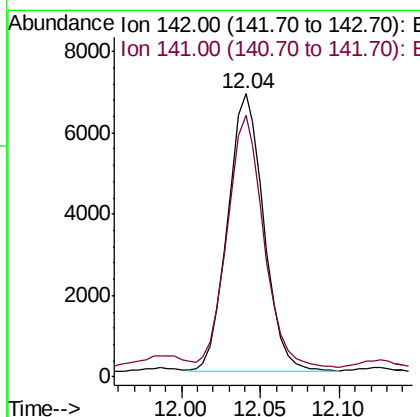
RT: 12.04 min Scan# 3335

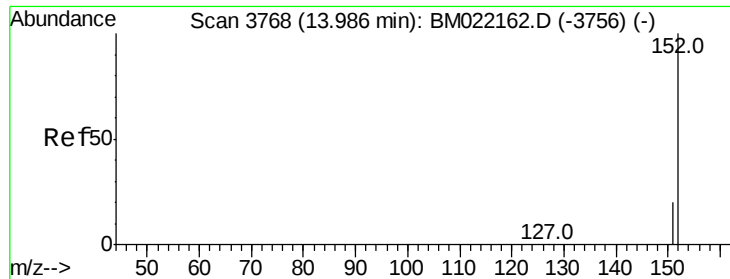
Delta R.T. -0.05 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Tgt Ion:142	Resp:	10839
Ion Ratio	Lower	Upper
142	100	
141	91.9	74.3 111.5





#7

Acenaphthylene

Concen: 0.951 ng/ul

RT: 13.97 min Scan# 3764

Delta R.T. -0.03 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Instrument :

BNA_M

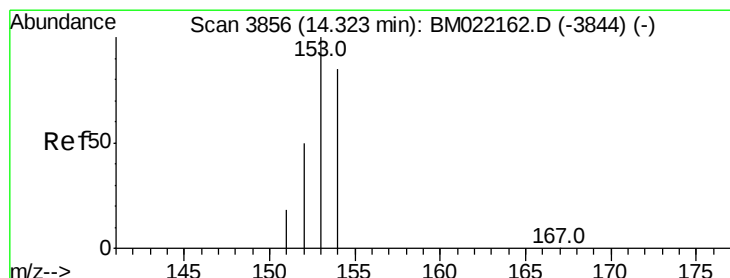
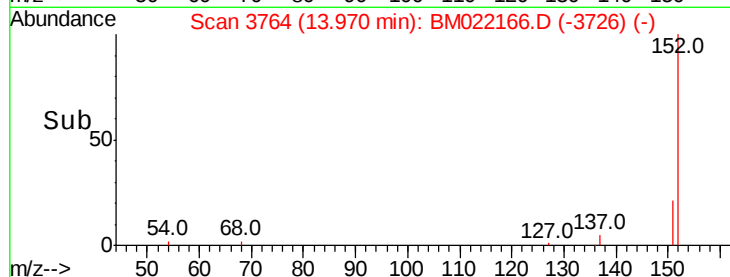
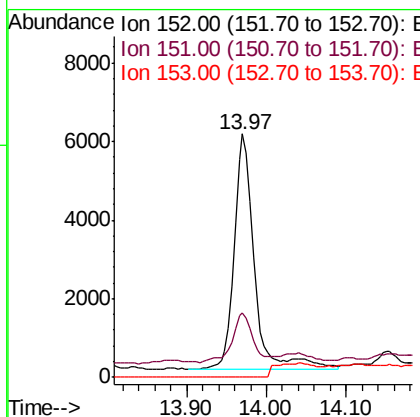
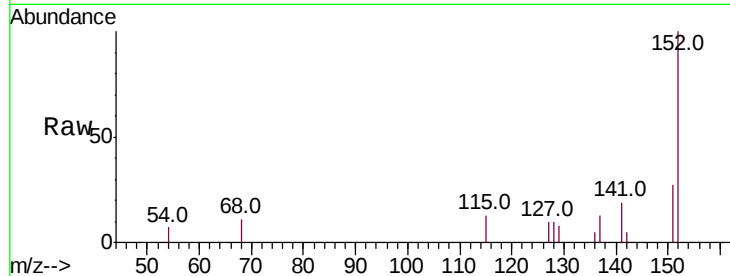
ClientSampleId :

C0AF7

Tot Ion:	152	Resp:	9944
Ion Ratio	Lower	Upper	
152	100		
151	26.6	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.202 ng/ul

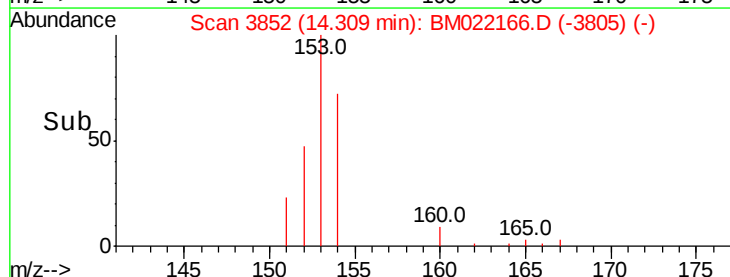
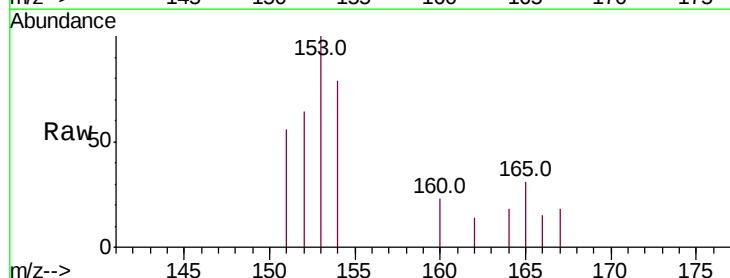
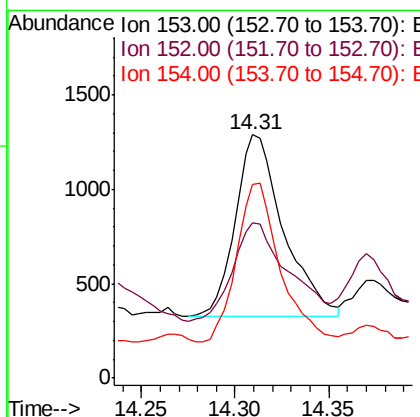
RT: 14.31 min Scan# 3852

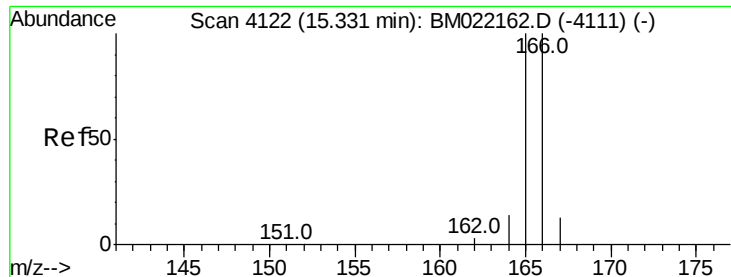
Delta R.T. -0.02 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Tgt Ion:	153	Resp:	1727
Ion Ratio	Lower	Upper	
153	100		
152	63.6	41.3	61.9#
154	79.4	72.3	108.5





#9

Fluorene

Concen: 0.222 ng/ul

RT: 15.31 min Scan# 4115

Delta R.T. -0.03 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Instrument :

BNA_M

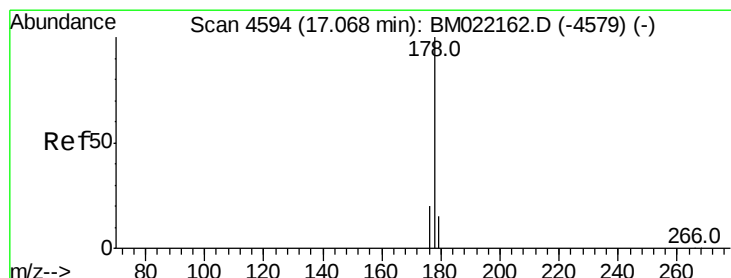
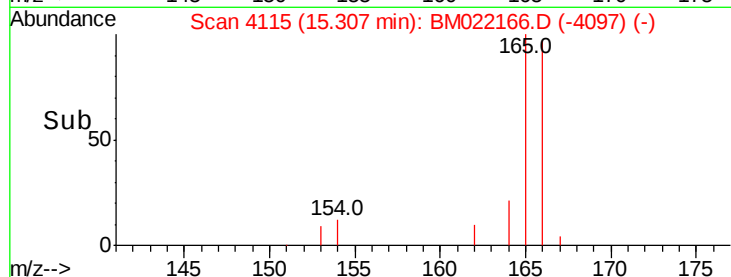
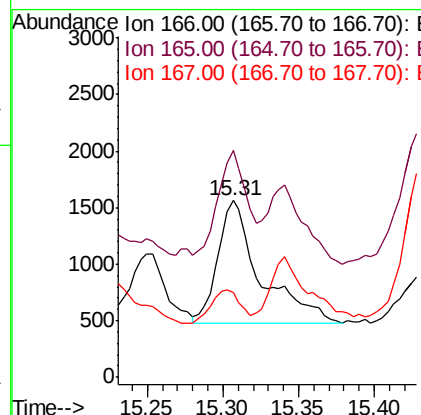
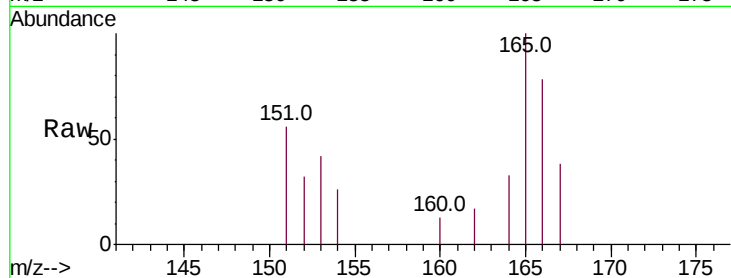
ClientSampleId :

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Tot Ion:	166	Resp:	2111
Ion Ratio	Lower	Upper	
166	100		
165	128.6	81.4	122.0#
167	48.4	13.7	20.5#

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#12

Phenanthrene

Concen: 2.310 ng/ul m

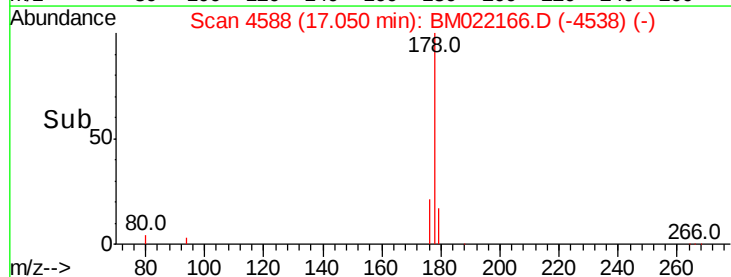
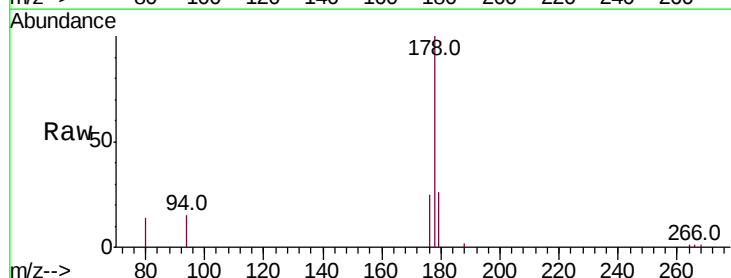
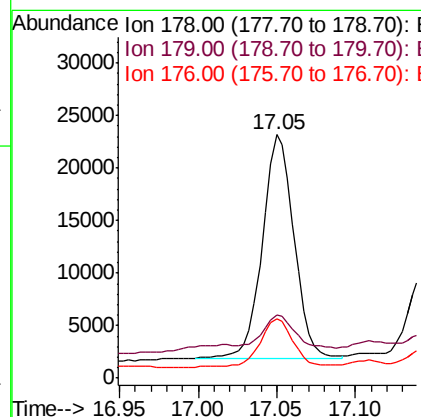
RT: 17.05 min Scan# 4588

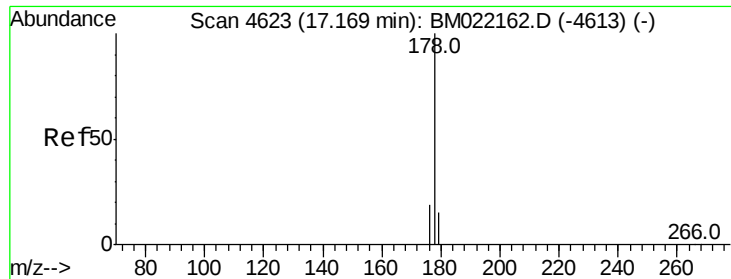
Delta R.T. -0.03 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Tgt Ion:	178	Resp:	29993
Ion Ratio	Lower	Upper	
178	100		
179	25.8	14.2	21.2#
176	24.5	16.8	25.2





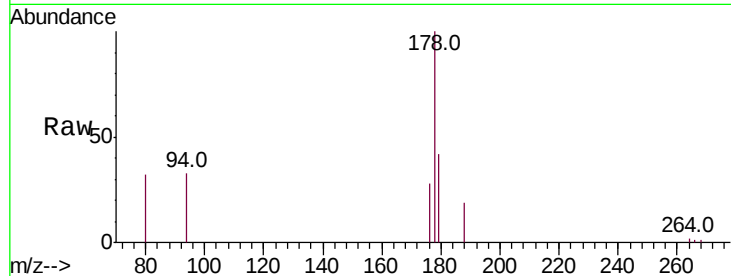
#13
 Anthracene
 Concen: 1.059 ng/ul m
 RT: 17.14 min Scan# 4615
 Delta R.T. -0.03 min
 Lab File: BM022166.D
 Acq: 16 Aug 2019 04:55

Instrument :
 BNA_M
 ClientSampleId :
 C0AF7

Tot Ion	Ratio	Lower	Upper
178	100		
179	42.0	15.5	23.3#
176	27.5	16.6	25.0#

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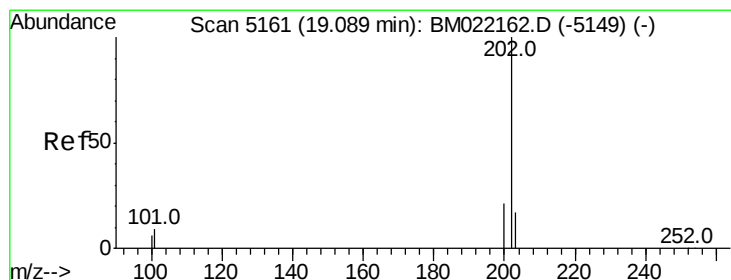
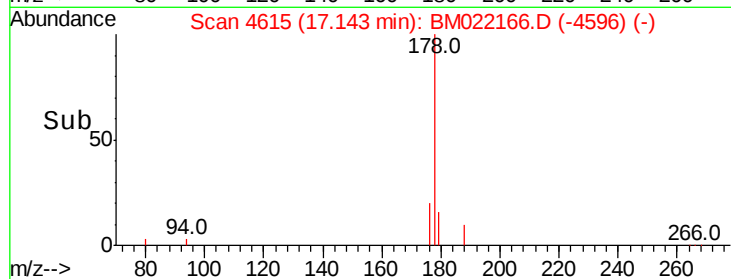
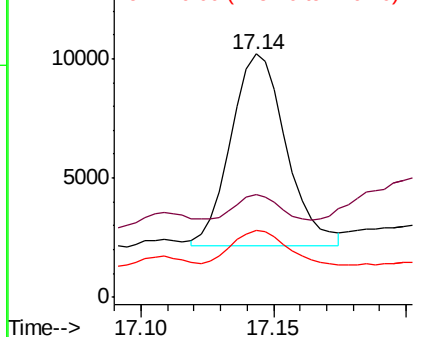


Abundance

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: 8.528 ng/ul m
 RT: 19.09 min Scan# 5160
 Delta R.T. -0.01 min
 Lab File: BM022166.D
 Acq: 16 Aug 2019 04:55

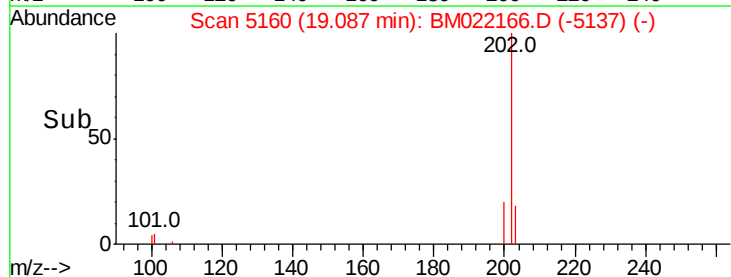
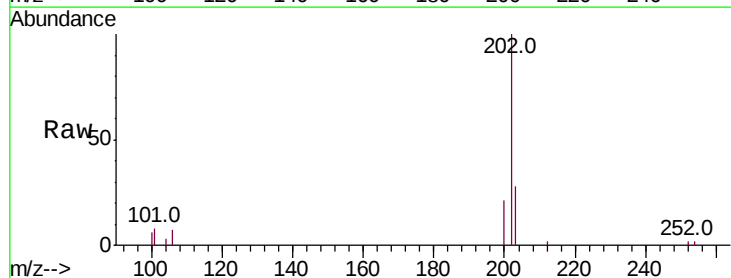
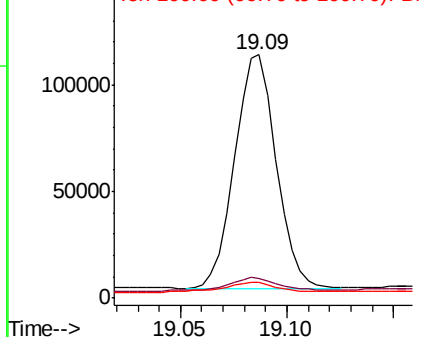
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	30.2
100	6.3	0.0	28.1

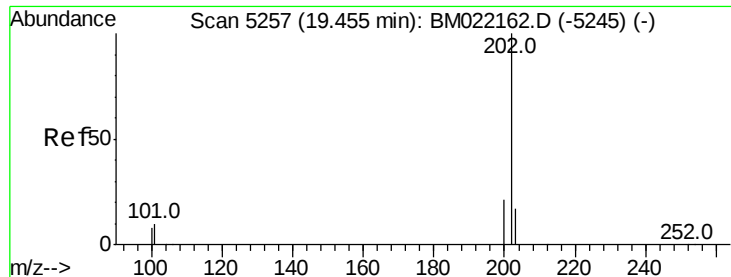
Abundance

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): E





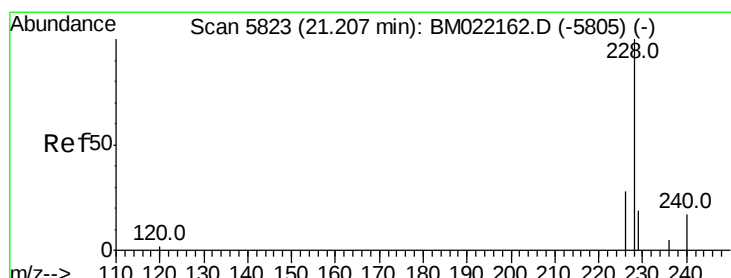
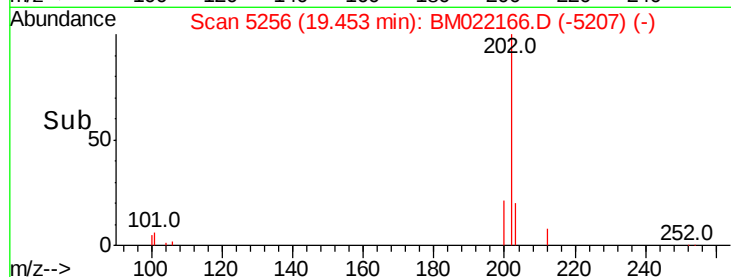
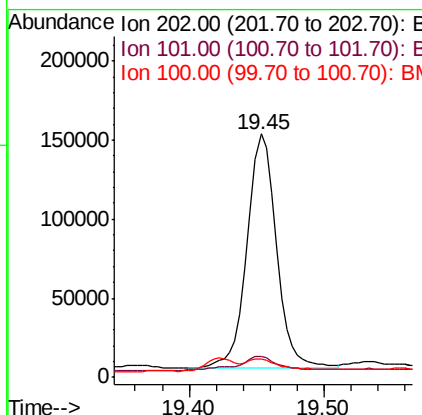
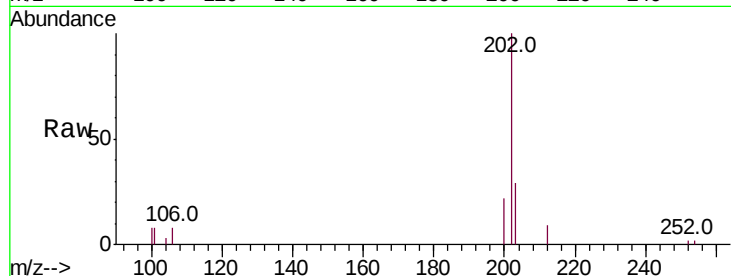
#17
Pvrene
Concen: 11.251 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.01 min
Lab File: BM022166.D
Acq: 16 Aug 2019 04:55

Instrument :
BNA_M
ClientSampleId :
C0AF7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.5	8.3	12.5
100	7.5	7.2	10.8

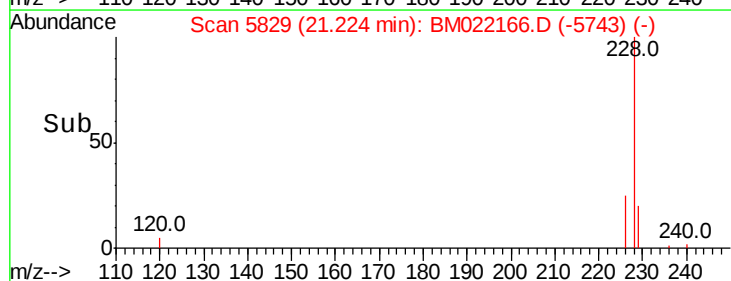
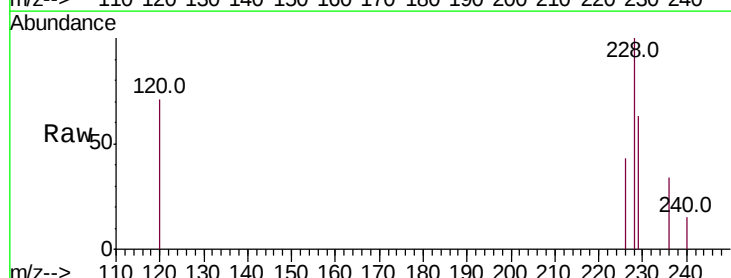
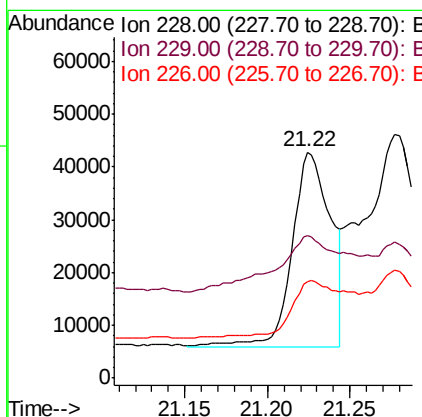
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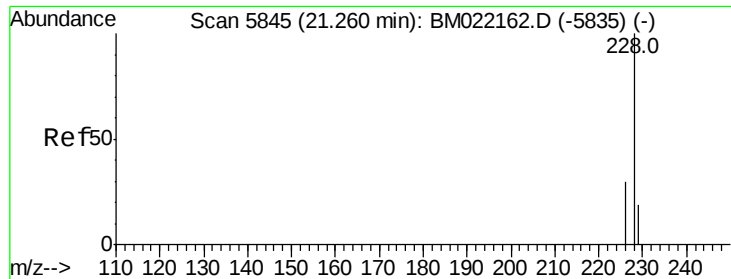
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#18
Benzo(a)anthracene
Concen: 3.552 ng/ul m
RT: 21.22 min Scan# 5829
Delta R.T. 0.01 min
Lab File: BM022166.D
Acq: 16 Aug 2019 04:55

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	63.0	17.2	25.8#
226	42.6	22.6	34.0#





#19

Chrysene

Concen: 4.491 ng/ul m

RT: 21.28 min Scan# 5851

Delta R.T. 0.01 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Instrument :

BNA_M

ClientSampled :

C0AF7

Tot Ion:228 Resp: 98238

Ion Ratio Lower Upper

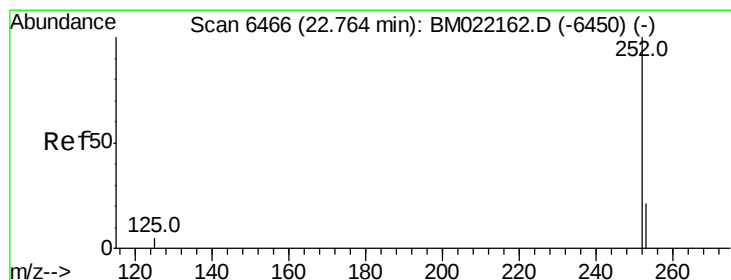
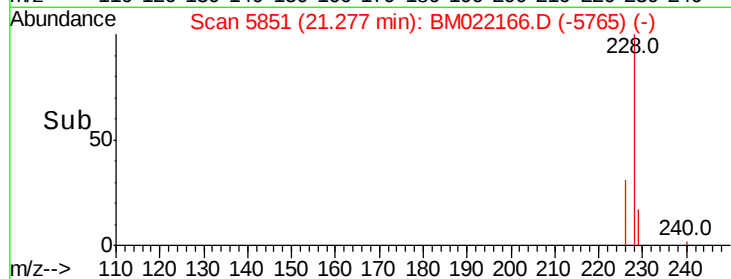
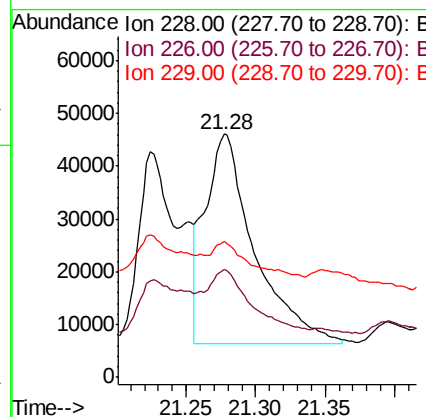
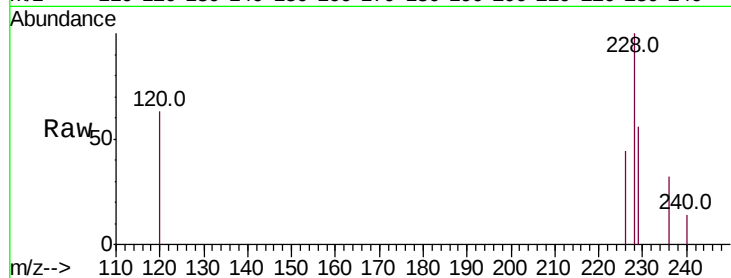
228 100

226 44.1 24.9 37.3#

229 55.7 16.6 25.0#

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#21

Benzo(b)fluoranthene

Concen: 5.474 ng/ul m

RT: 22.84 min Scan# 6496

Delta R.T. 0.06 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

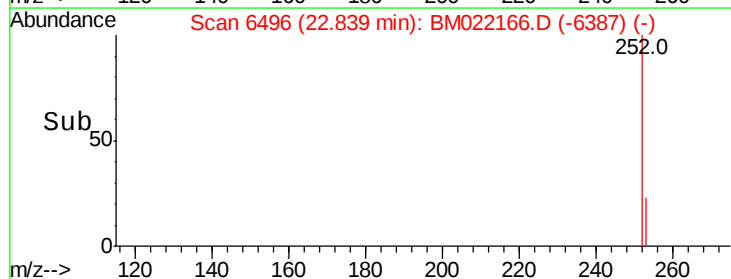
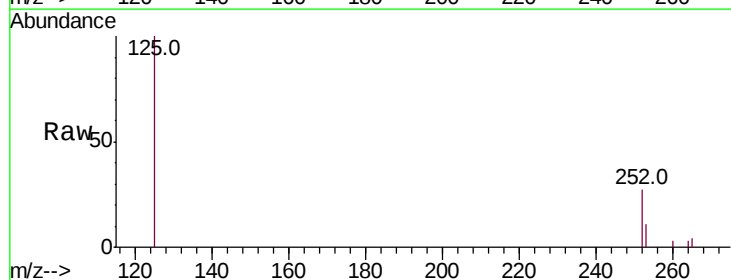
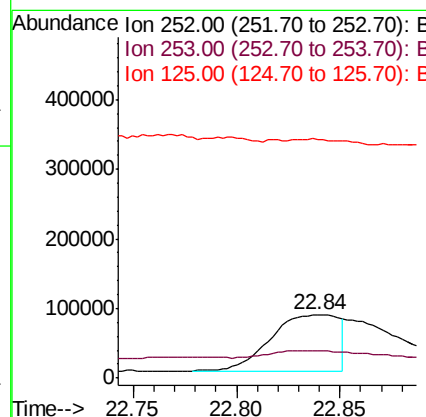
Tgt Ion:252 Resp: 193162

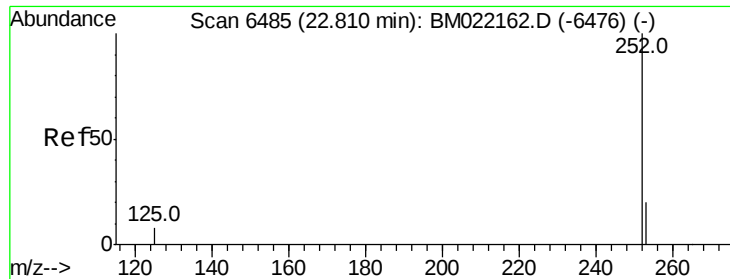
Ion Ratio Lower Upper

252 100

253 43.0 0.0 67.4

125 375.0 0.0 31.0#





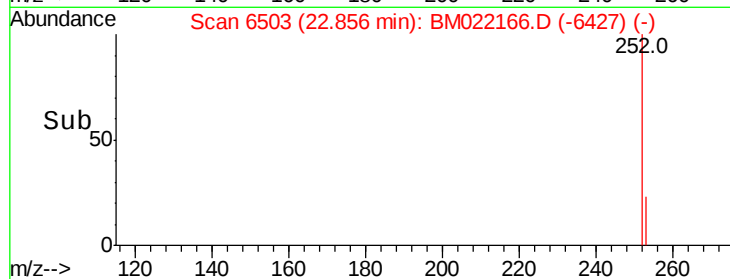
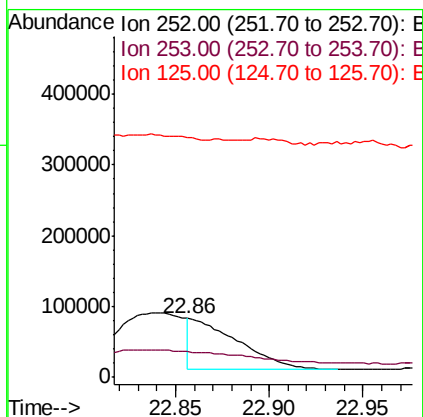
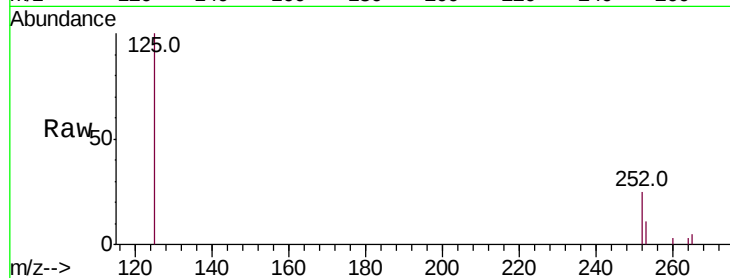
#22
Benzo(k)fluoranthene
Concen: 3.275 ng/ul m
RT: 22.86 min Scan# 6503
Delta R.T. 0.03 min
Lab File: BM022166.D
Acq: 16 Aug 2019 04:55

Instrument :
BNA_M
ClientSampleId :
C0AF7

Tot Ion	Ratio	Lower	Upper
252	100		
253	43.4	27.0	40.4#
125	408.0	12.2	18.2#

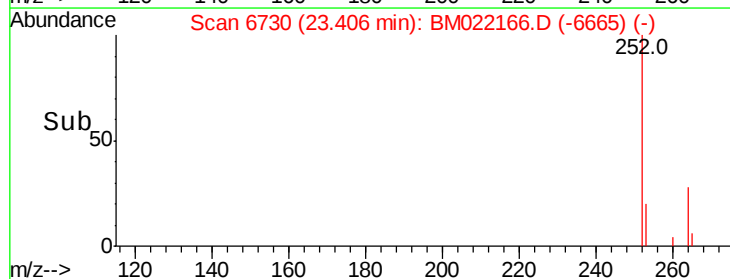
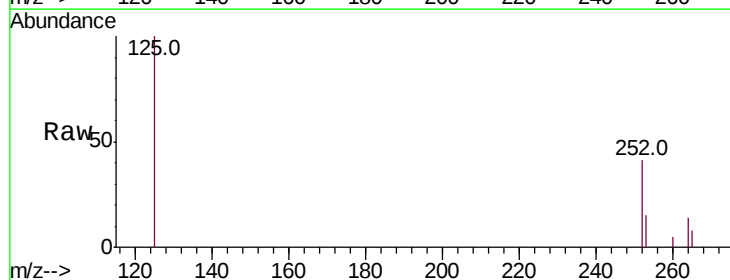
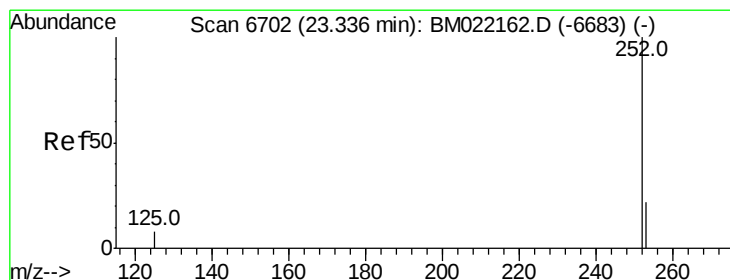
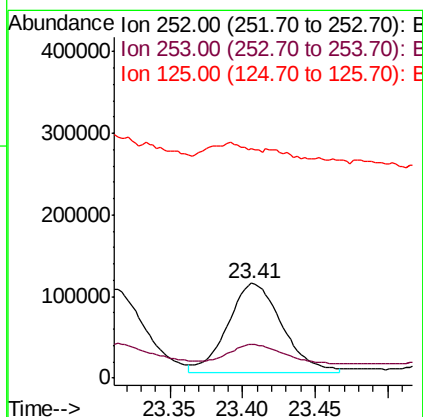
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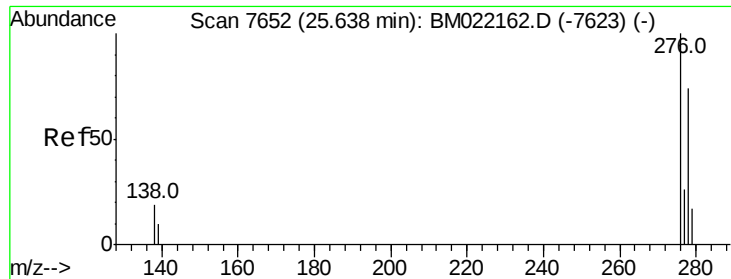
mohammad
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#23
Benzo(a)pyrene
Concen: 7.827 ng/ul m
RT: 23.41 min Scan# 6730
Delta R.T. 0.06 min
Lab File: BM022166.D
Acq: 16 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.3	31.7	47.5
125	242.6	14.6	21.8#





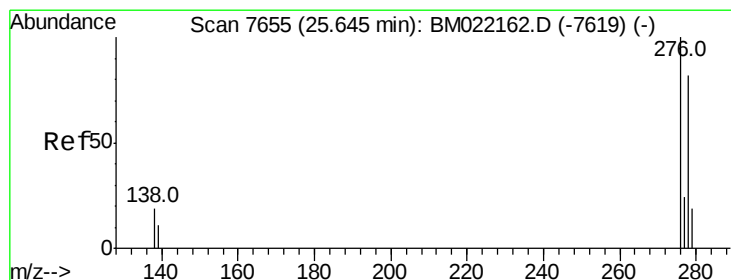
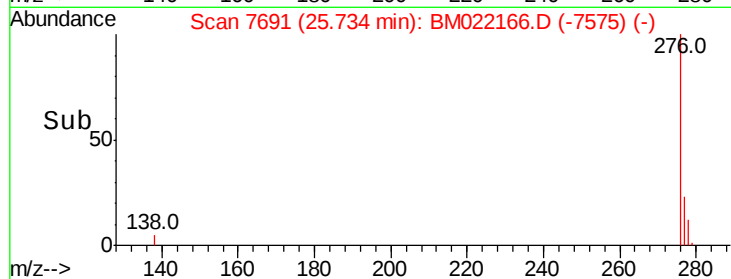
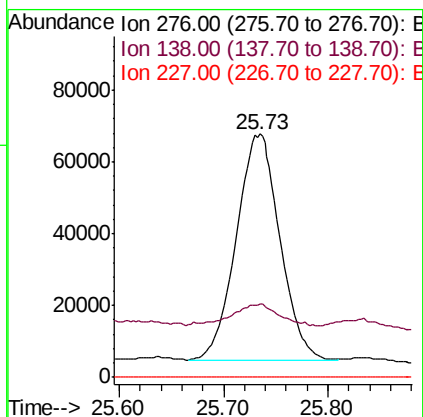
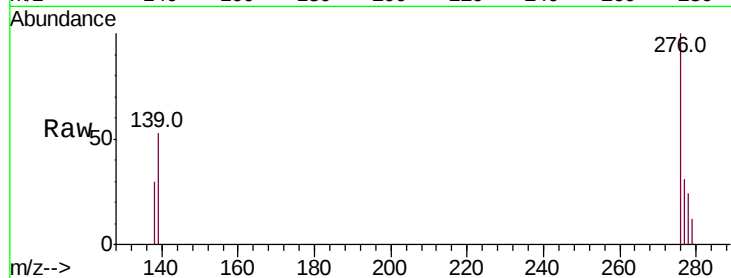
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.282 ng/ul
 RT: 25.73 min Scan# 7691
 Delta R.T. 0.08 min
 Lab File: BM022166.D
 Acq: 16 Aug 2019 04:55

Instrument :
 BNA_M
 ClientSampleId :
 C0AF7

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.9	15.1	22.7#
227	0.0	0.0	0.0

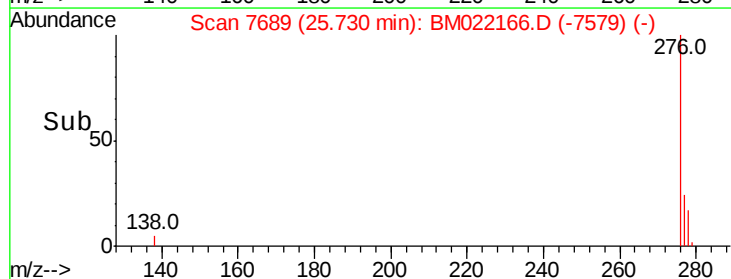
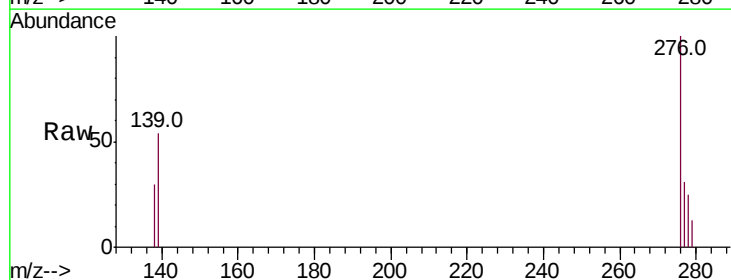
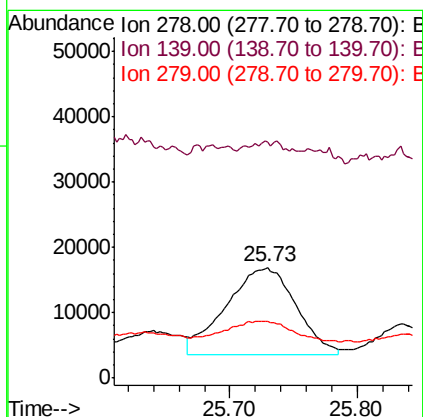
Manual Integrations
 APPROVED

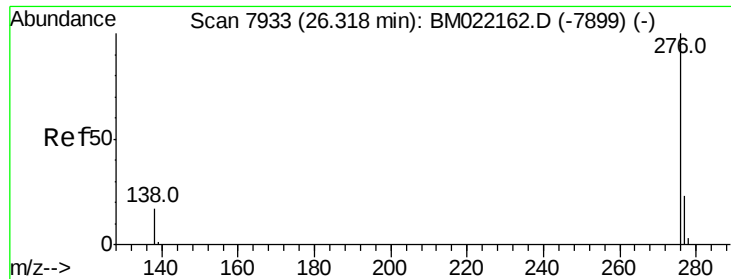
mohammad
 8/19/2019 10:46:28 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.474 ng/ul m
 RT: 25.73 min Scan# 7689
 Delta R.T. 0.07 min
 Lab File: BM022166.D
 Acq: 16 Aug 2019 04:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	212.8	14.2	21.2#
279	51.2	28.3	42.5#





#26

Benzo(a,h,i)perylene

Concen: 4.597 ng/ul

RT: 26.42 min Scan# 7975

Delta R.T. 0.09 min

Lab File: BM022166.D

Acq: 16 Aug 2019 04:55

Instrument :

BNA_M

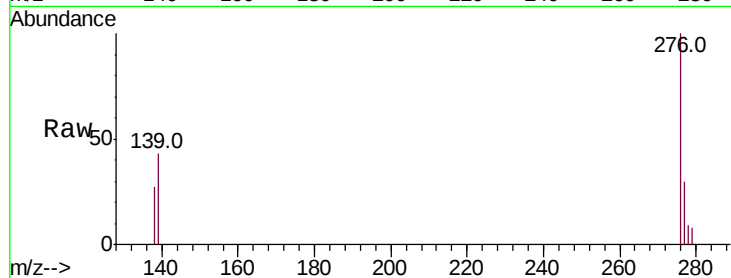
ClientSampleId :

C0AF7

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	15.5	23.3#
277	30.4	21.4	32.2

Manual Integrations
APPROVED

mohammad
8/19/2019 10:46:28 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

