

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022072.D
 Acq On : 13 Aug 2019 16:21
 Operator : HP/JU
 Sample : K4041-16DL 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW9DL

Manual Integrations
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Quant Time: Aug 13 18:02:15 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 : Tue Aug 13 17:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	636	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	2678	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	1444	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	3190	0.40	ng/ul	0.02
16) Chrysene-d12	21.22	240	3390	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	3492	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	255	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	597	0.06	ng/ul	-0.02
Target Compounds					Qvalue	
3) Naphthalene	10.46	128	271	0.036	ng/ul#	42
5) 2-Methylnaphthalene	12.10	142	143	0.028	ng/ul	100
7) Acenaphthylene	13.99	152	616	0.091	ng/ul#	75
8) Acenaphthene	14.33	153	258	0.047	ng/ul#	90
9) Fluorene	15.33	166	244	0.040	ng/ul#	91
12) Phenanthrene	17.07	178	6067	0.654	ng/ul	98
13) Anthracene	17.16	178	1482	0.187	ng/ul#	93
15) Fluoranthene	19.09	202	14977	1.205	ng/ul	98
17) Pyrene	19.45	202	18828	1.352	ng/ul	99
18) Benzo(a)anthracene	21.21	228	10830	0.893	ng/ul	98
19) Chrysene	21.26	228	10981	0.704	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	13014m	1.105	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	5199m	0.390	ng/ul	
23) Benzo(a)pyrene	23.34	252	10856	0.907	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.65	276	6796	0.475	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.64	278	1947	0.168	ng/ul#	73
26) Benzo(g,h,i)perylene	26.32	276	7078	0.550	ng/ul	97

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

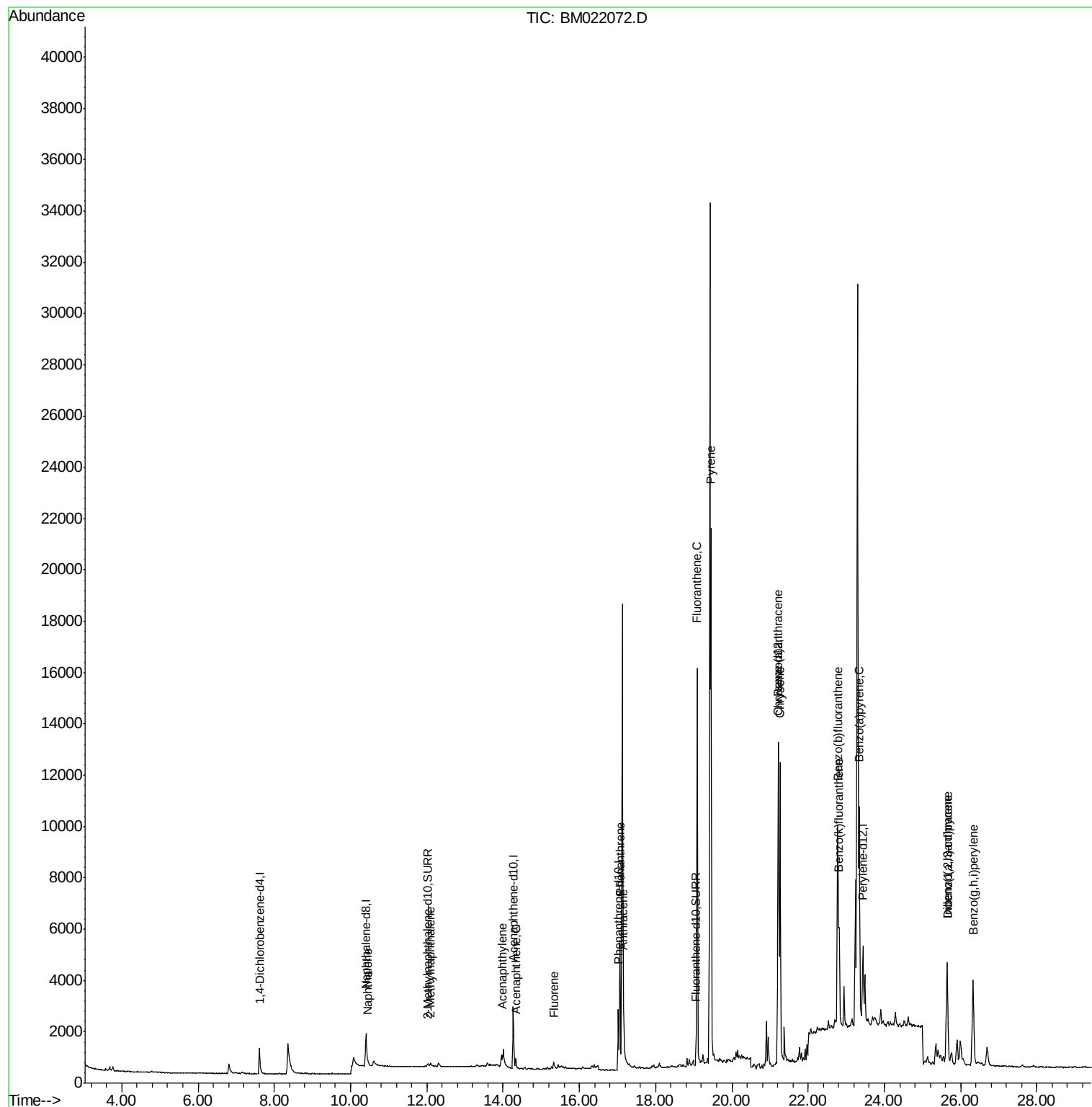
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022072.D
Acq On : 13 Aug 2019 16:21
Operator : HP/JU
Sample : K4041-16DL 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

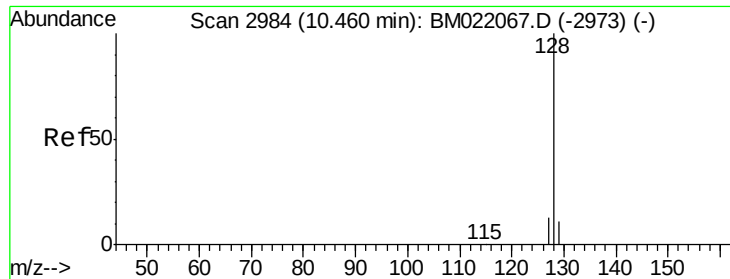
Instrument :
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Quant Time: Aug 13 18:02:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.036 ng/ul

RT: 10.46 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BM022072.D

Acq: 13 Aug 2019 16:21

Instrument :

BNA_M

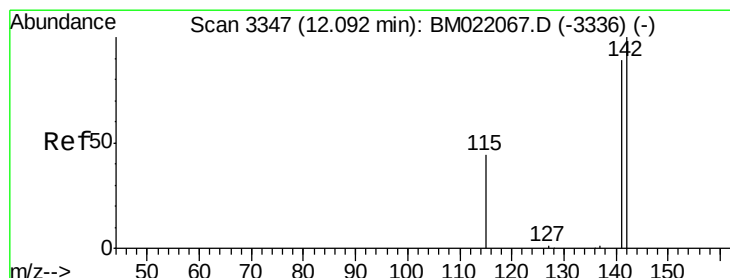
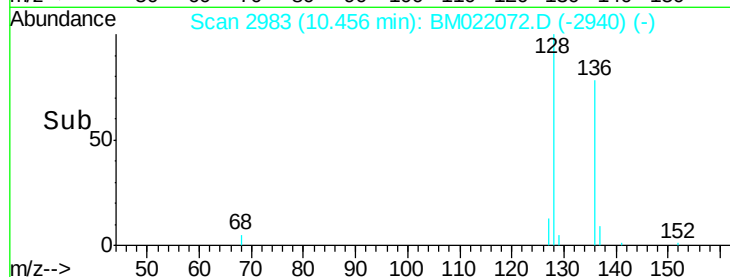
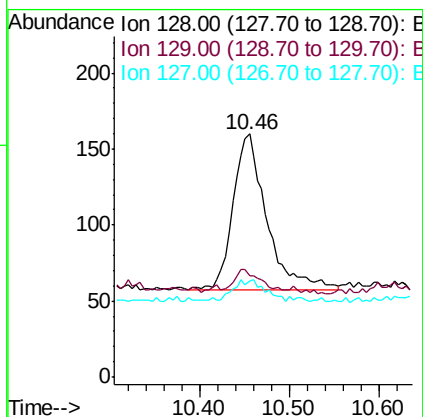
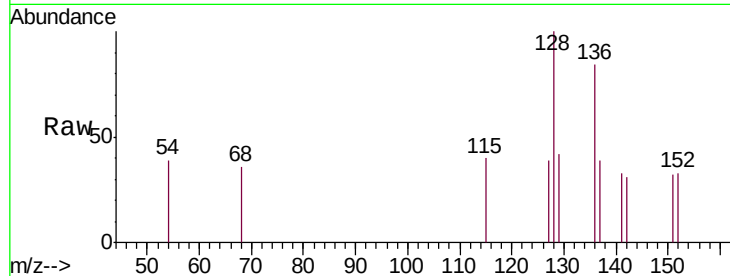
ClientSampleId :

BENW9DL

Tgt Ion:	128	Resp:	271
Ion Ratio	Lower	Upper	
128	100		
129	41.9	12.3	18.5#
127	39.4	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.028 ng/ul

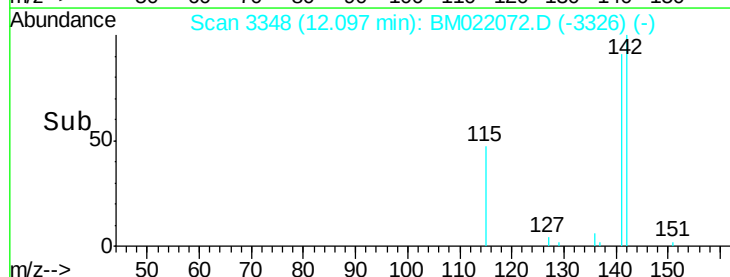
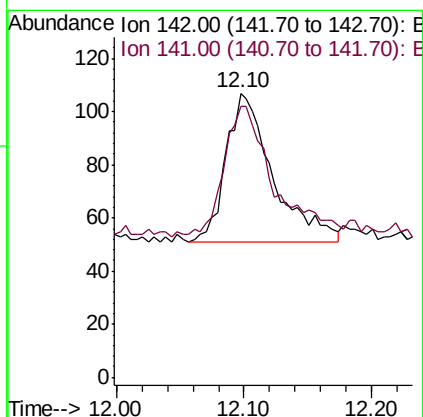
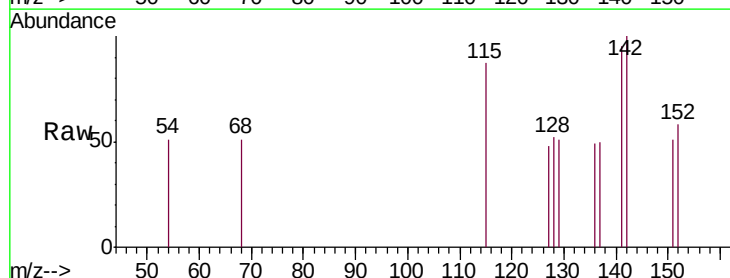
RT: 12.10 min Scan# 3348

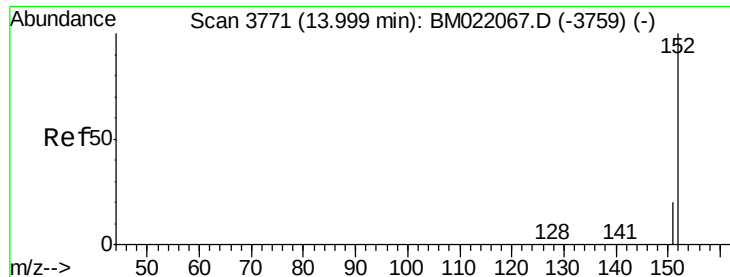
Delta R.T. 0.00 min

Lab File: BM022072.D

Acq: 13 Aug 2019 16:21

Tgt Ion:	142	Resp:	143
Ion Ratio	Lower	Upper	
142	100		
141	93.0	74.3	111.5





#7

Acenaphthylene

Concen: 0.091 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM022072.D

Acq: 13 Aug 2019 16:21

Instrument :

BNA_M

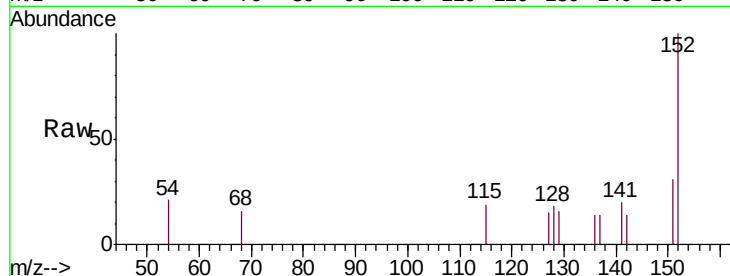
ClientSampleID :

BENW9DL

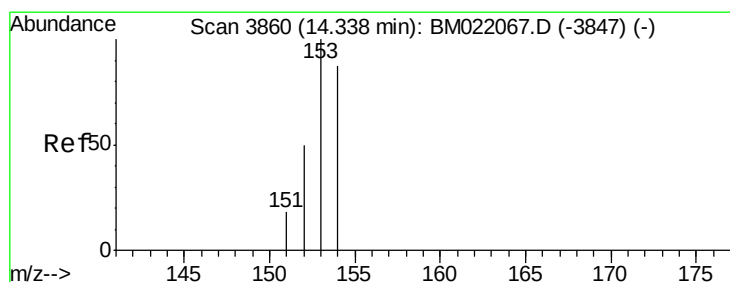
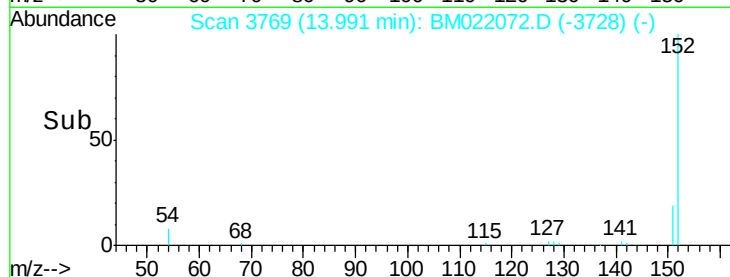
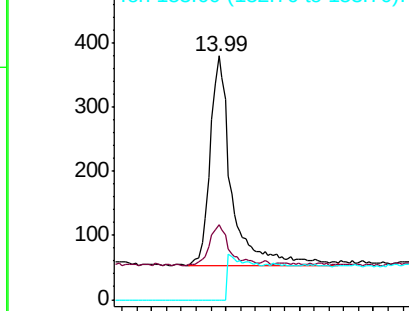
Tgt Ion:	152	Resp:	616
Ion Ratio	Lower	Upper	
152	100		
151	30.9	18.3	27.5#
153	0.0	12.8	19.2#

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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: 0.047 ng/ul

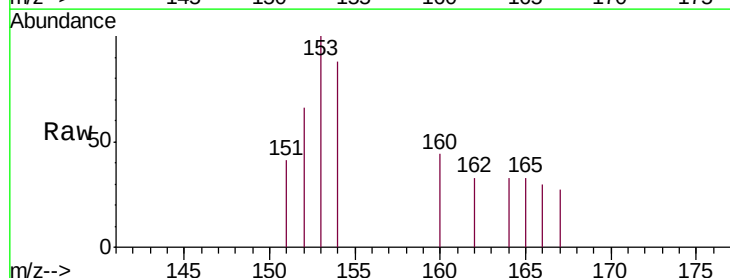
RT: 14.33 min Scan# 3858

Delta R.T. -0.01 min

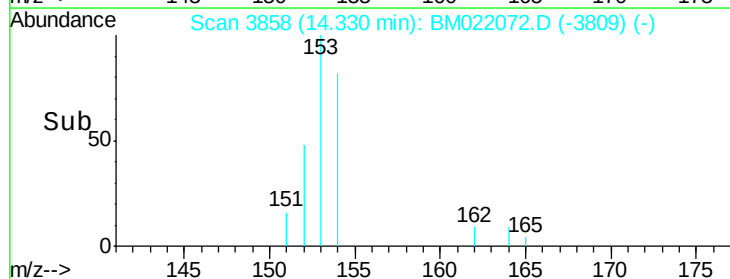
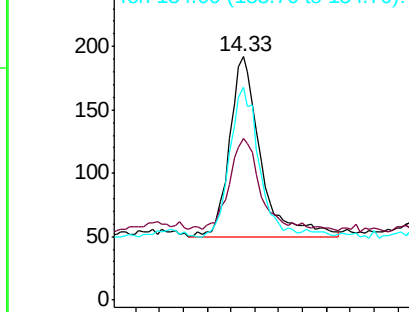
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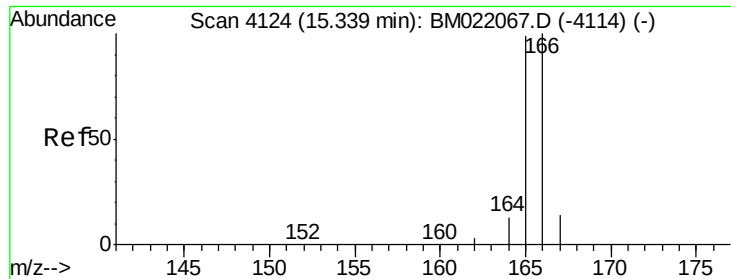
Acq: 13 Aug 2019 16:21

Tgt Ion:	153	Resp:	258
Ion Ratio	Lower	Upper	
153	100		
152	66.1	41.3	61.9#
154	87.5	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





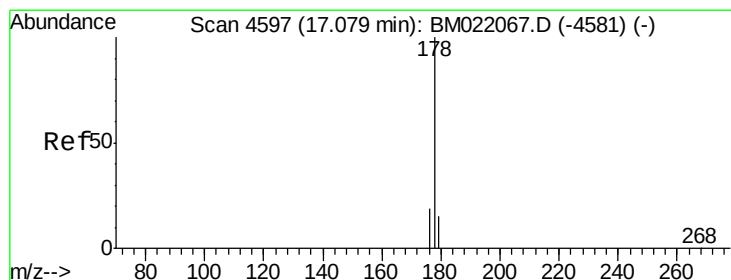
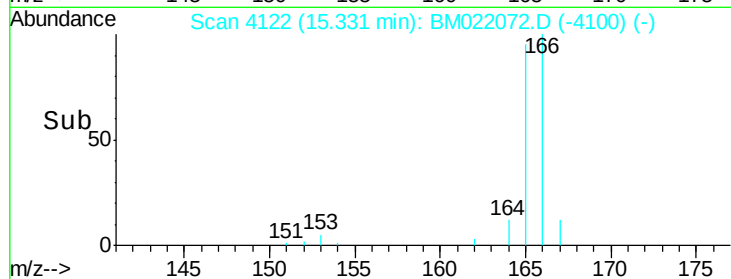
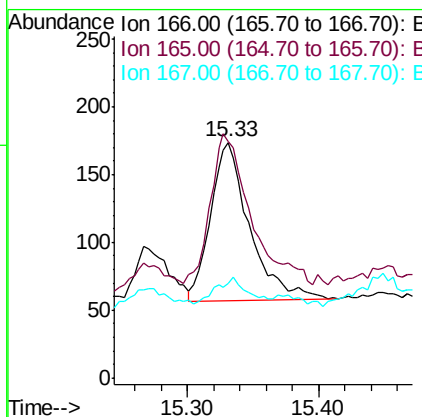
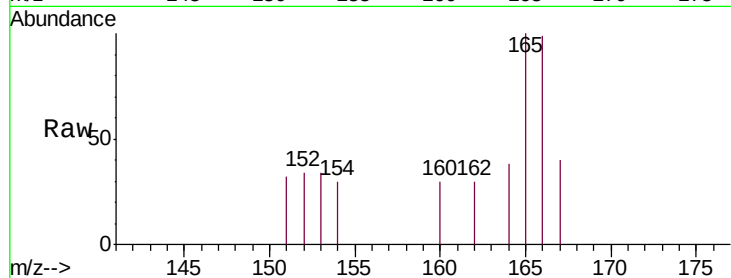
#9
Fluorene
 Concen: 0.040 ng/ul
 RT: 15.33 min Scan# 4122
 Delta R.T. -0.01 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Instrument :
 BNA_M
 ClientSampleId :
 BENW9DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	81.4	122.0
167	40.2	13.7	20.5

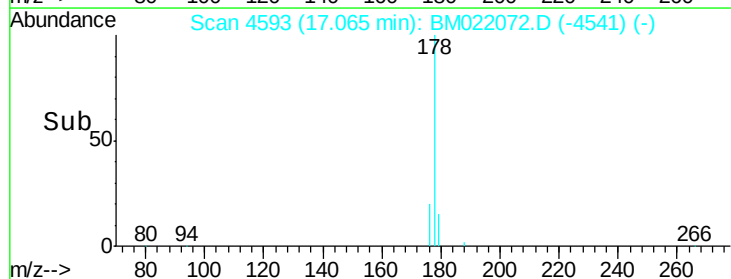
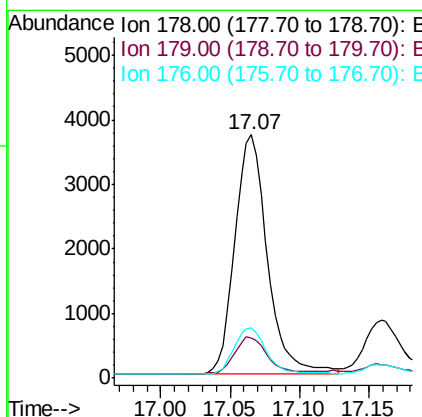
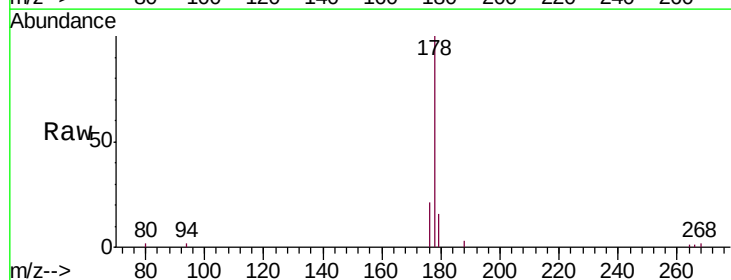
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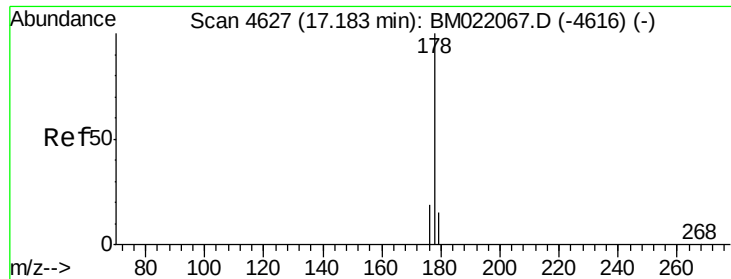
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#12
Phenanthrene
 Concen: 0.654 ng/ul
 RT: 17.07 min Scan# 4593
 Delta R.T. -0.02 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	14.2	21.2
176	20.8	16.8	25.2





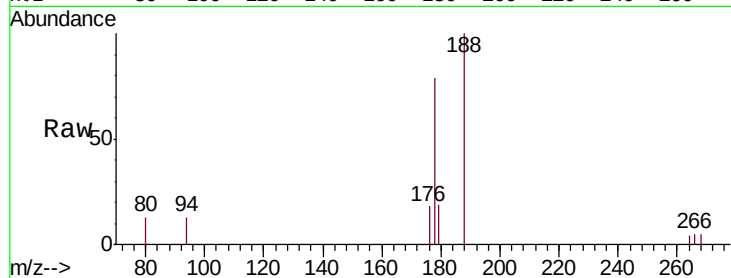
#13
 Anthracene
 Concen: 0.187 ng/ul
 RT: 17.16 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Instrument :
 BNA_M
 ClientSampleId :
 BENW9DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	23.5	15.5	23.3#
176	23.1	16.6	25.0

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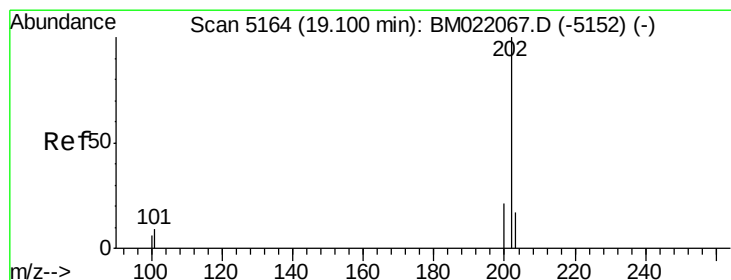
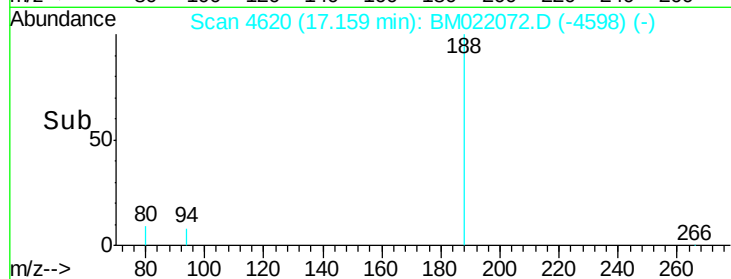
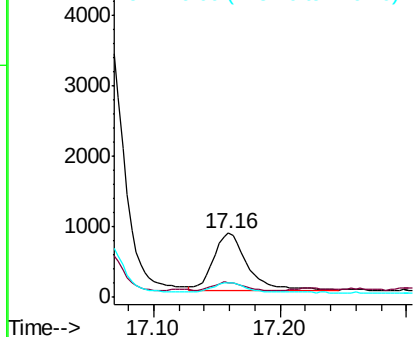


Abundance

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: 1.205 ng/ul
 RT: 19.09 min Scan# 5161
 Delta R.T. -0.02 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

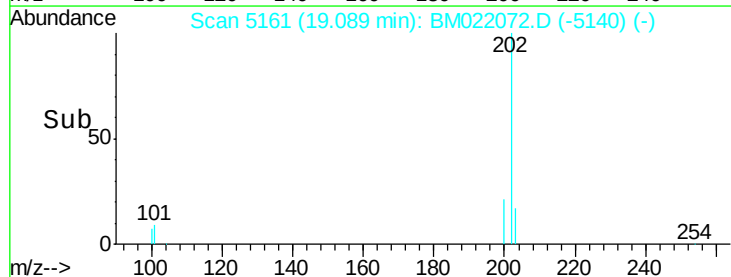
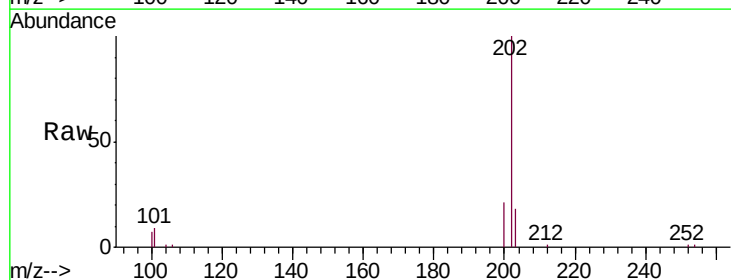
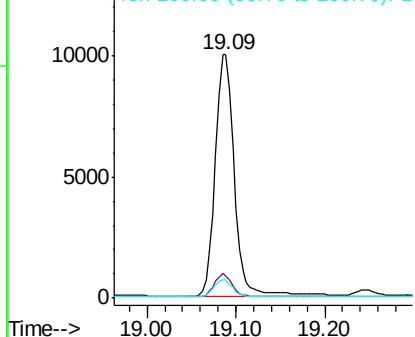
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.2
100	7.4	0.0	28.1

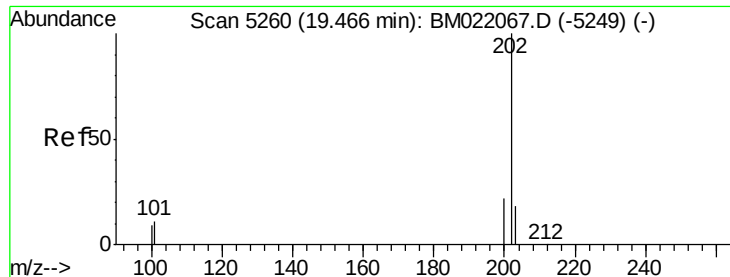
Abundance

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): B





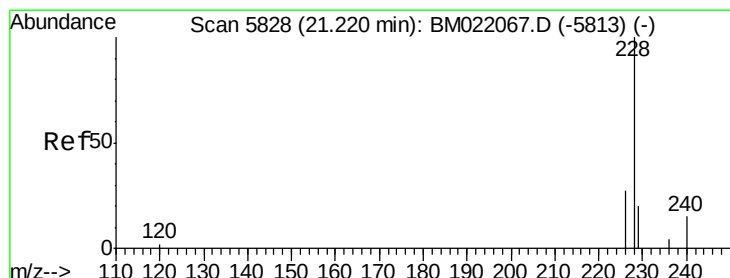
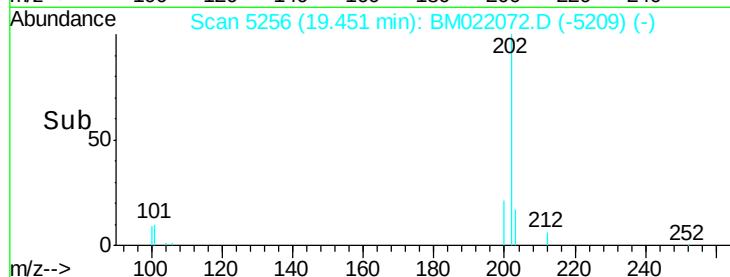
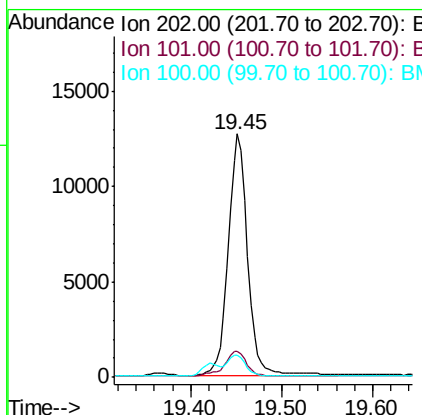
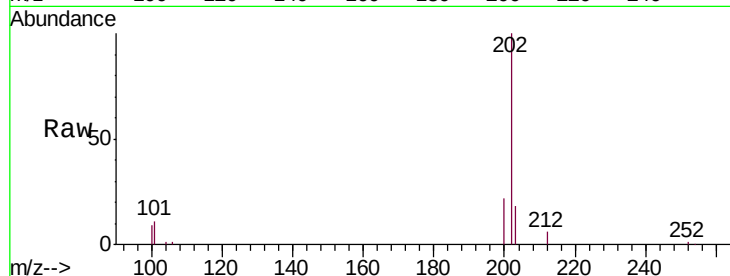
#17
Pyrene
 Concen: 1.352 ng/ul
 RT: 19.45 min Scan# 5256
 Delta R.T. -0.02 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Instrument :
 BNA_M
 ClientSampleId :
 BENW9DL

Tgt Ion:	202	Resp:	18828
Ion Ratio	Lower	Upper	
202	100		
101	10.9	8.3	12.5
100	9.2	7.2	10.8

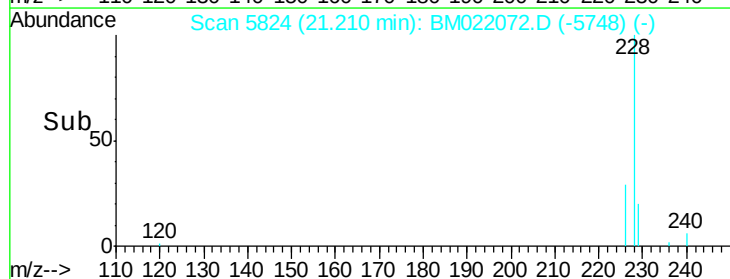
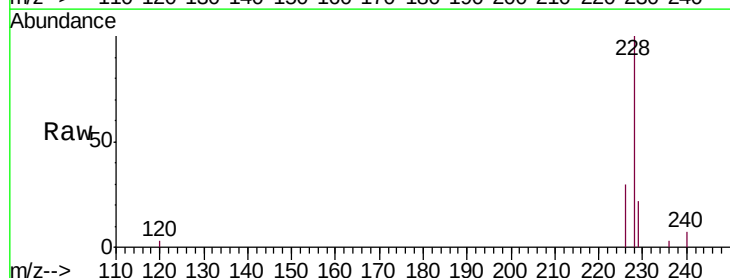
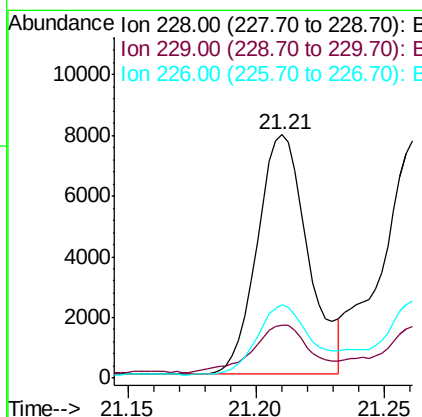
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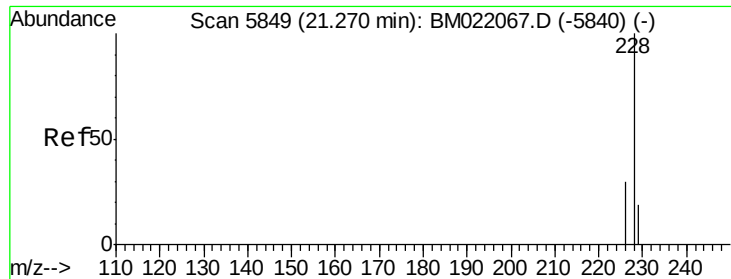
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#18
Benzo(a)anthracene
 Concen: 0.893 ng/ul
 RT: 21.21 min Scan# 5824
 Delta R.T. -0.02 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Tgt Ion:	228	Resp:	10830
Ion Ratio	Lower	Upper	
228	100		
229	21.7	17.2	25.8
226	30.0	22.6	34.0





#19

Chrysene

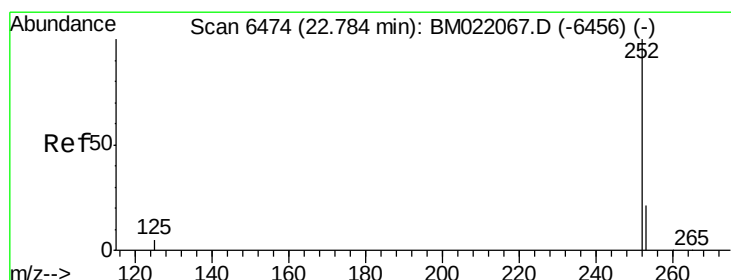
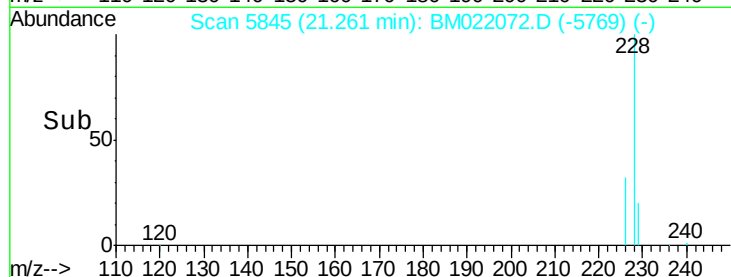
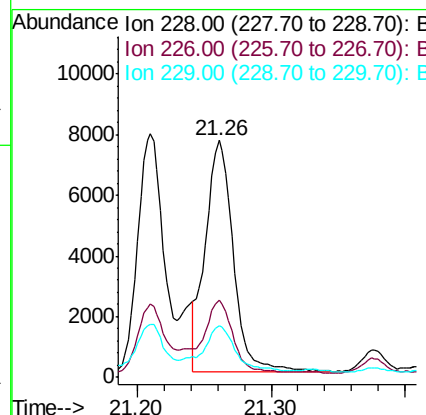
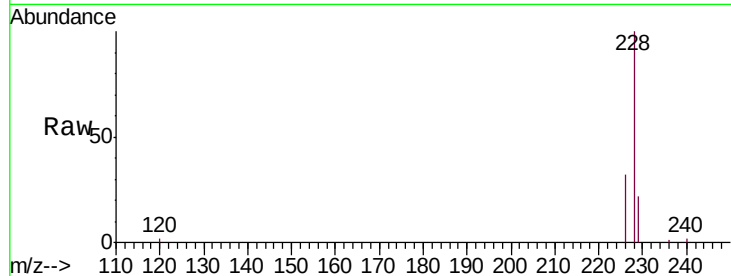
Concen: 0.704 ng/ul
 RT: 21.26 min Scan# 5845
 Delta R.T. -0.02 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Instrument :
 BNA_M
 ClientSampled :
 BENW9DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.9	37.3
229	21.7	16.6	25.0

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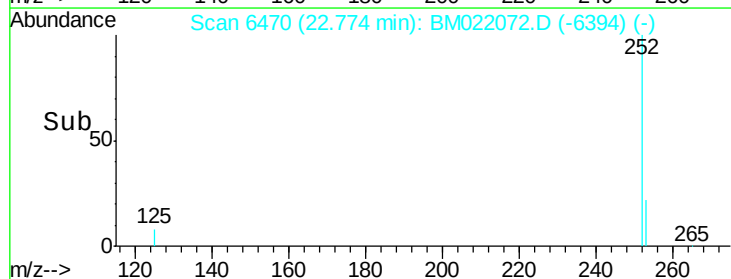
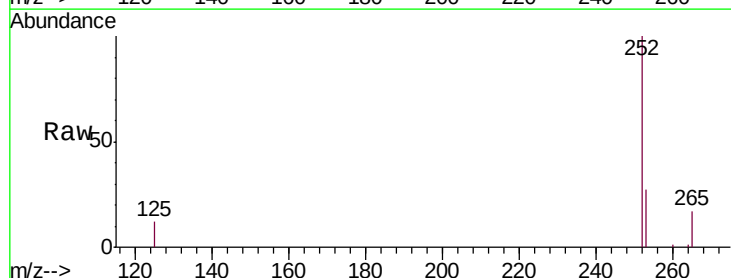
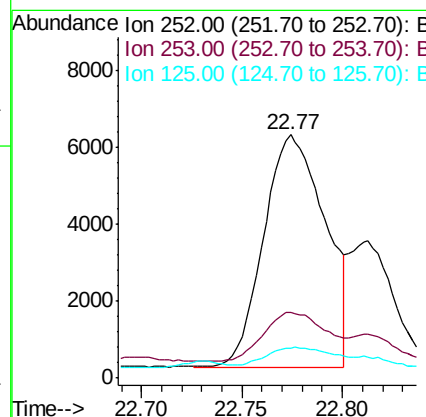


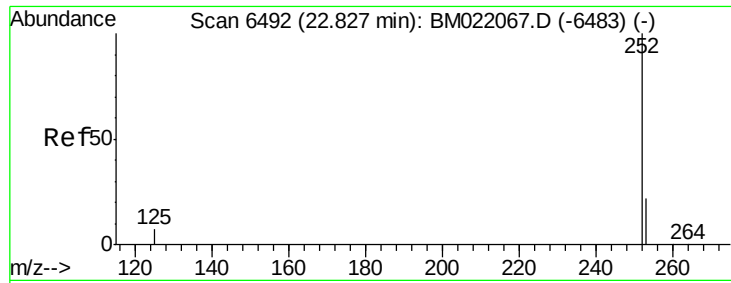
#21

Benzo(b)fluoranthene

Concen: 1.105 ng/ul m
 RT: 22.77 min Scan# 6470
 Delta R.T. -0.02 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	0.0	67.4
125	12.4	0.0	31.0





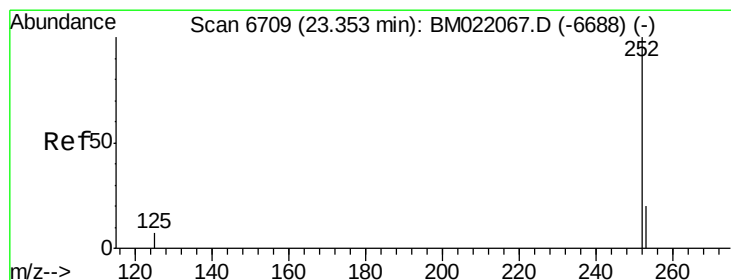
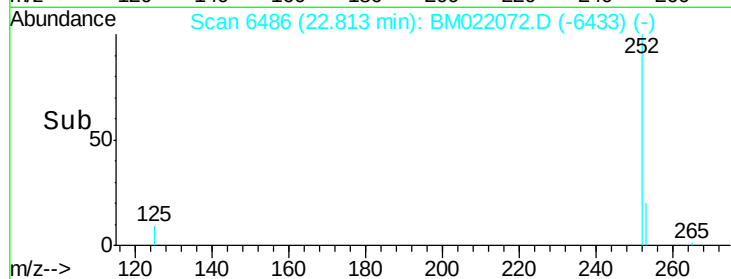
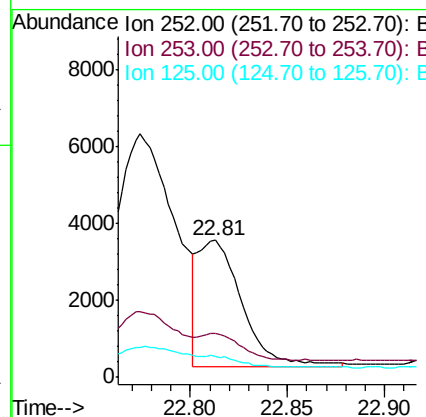
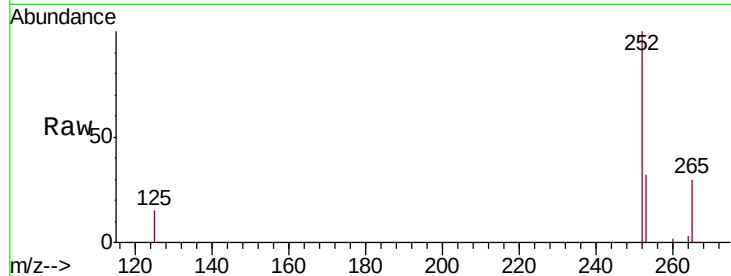
#22
Benzo(k)fluoranthene
Concen: 0.390 ng/ul m
RT: 22.81 min Scan# 6486
Delta R.T. -0.02 min
Lab File: BM022072.D
Acq: 13 Aug 2019 16:21

Instrument :
BNA_M
ClientSampleId :
BENW9DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.7	27.0	40.4
125	15.3	12.2	18.2

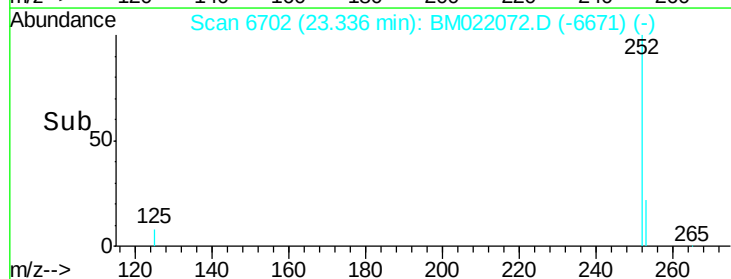
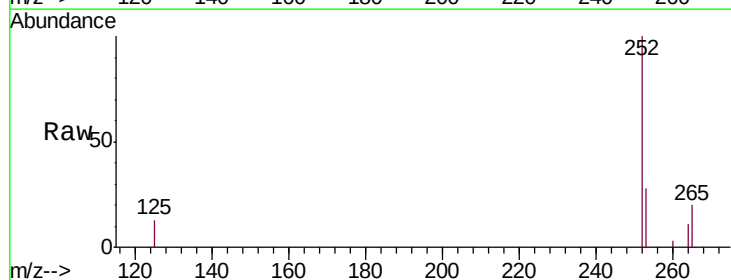
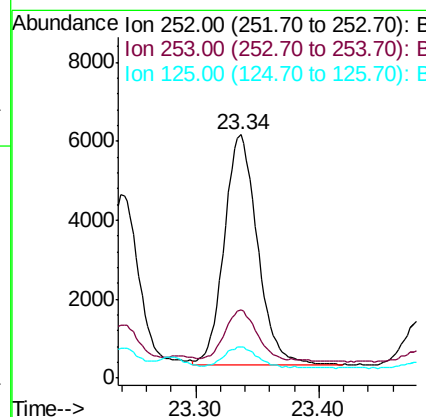
Manual Integrations
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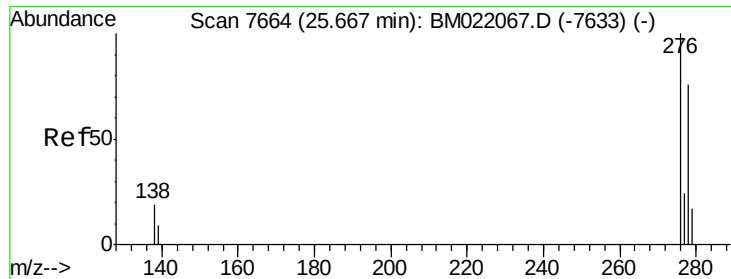
mohammad
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#23
Benzo(a)pyrene
Concen: 0.907 ng/ul
RT: 23.34 min Scan# 6702
Delta R.T. -0.02 min
Lab File: BM022072.D
Acq: 13 Aug 2019 16:21

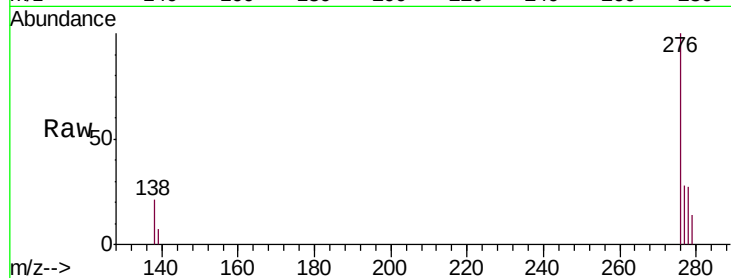
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	31.7	47.5#
125	12.9	14.6	21.8#





#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.475 ng/ul
 RT: 25.65 min Scan# 7655
 Delta R.T. -0.03 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

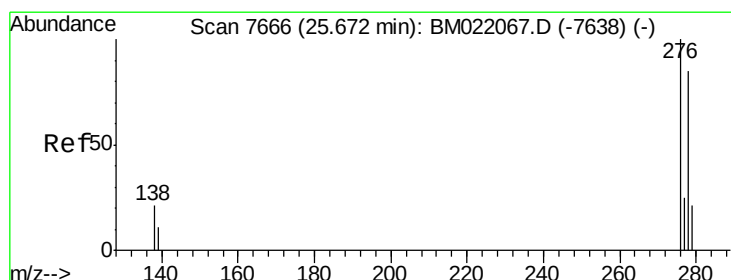
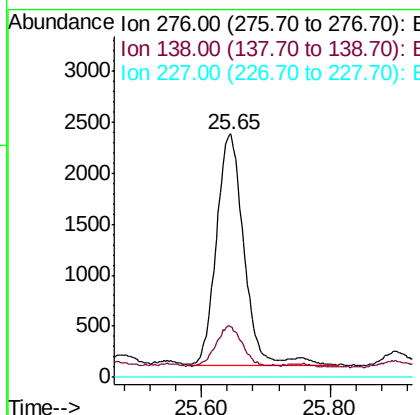
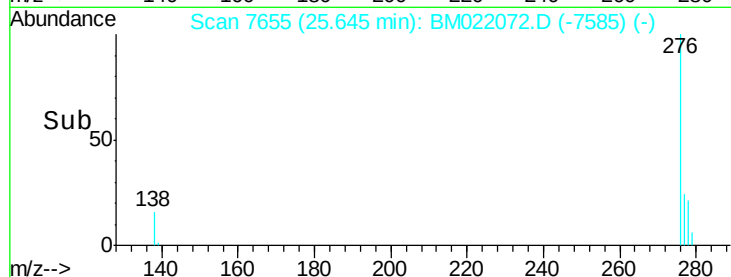
Instrument :
 BNA_M
 ClientSampleId :
 BENW9DL



Tgt Ion: 276 Resp: 6796
 Ion Ratio Lower Upper
 276 100
 138 16.6 15.1 22.7
 227 0.0 0.0 0.0

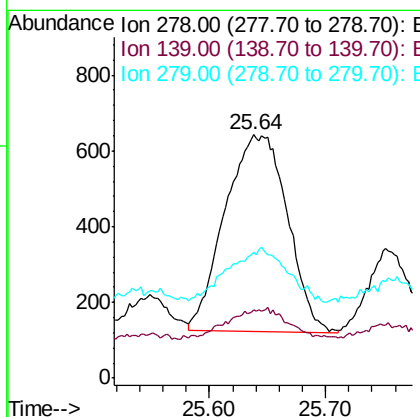
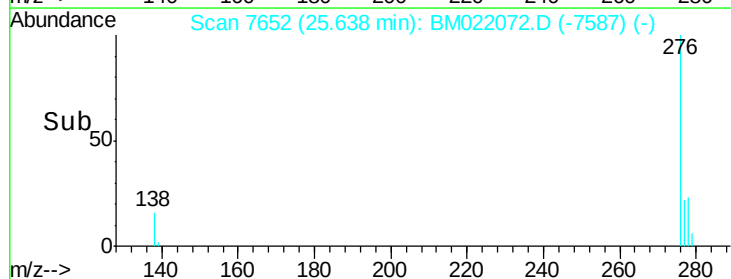
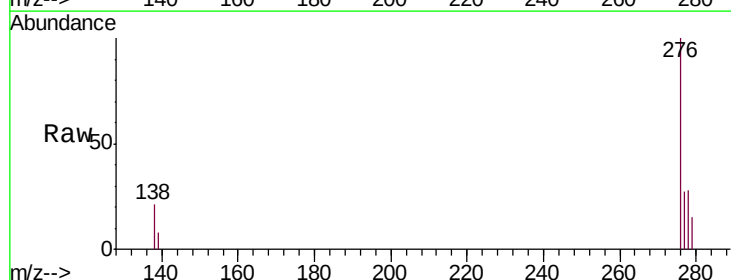
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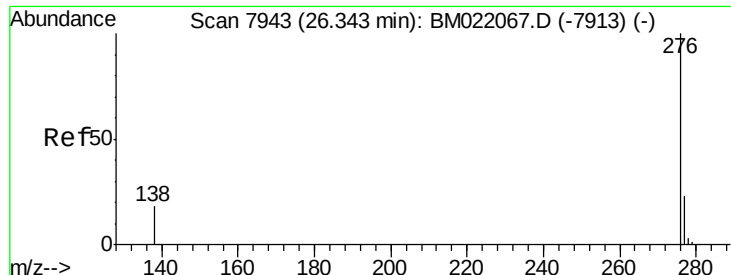
mohammad
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.168 ng/ul
 RT: 25.64 min Scan# 7652
 Delta R.T. -0.04 min
 Lab File: BM022072.D
 Acq: 13 Aug 2019 16:21

Tgt Ion: 278 Resp: 1947
 Ion Ratio Lower Upper
 278 100
 139 28.3 14.2 21.2#
 279 51.9 28.3 42.5#





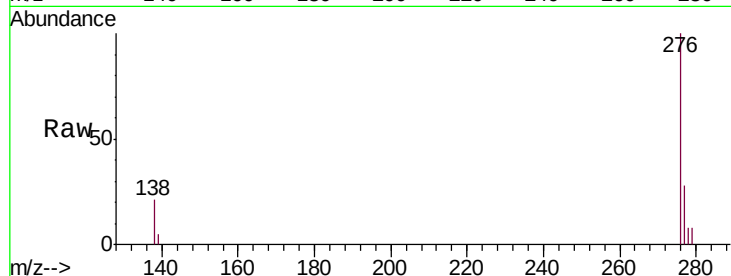
#26
Benzo(g,h,i)perylene
Concen: 0.550 ng/ul
RT: 26.32 min Scan# 7935
Delta R.T. -0.03 min
Lab File: BM022072.D
Acq: 13 Aug 2019 16:21

Instrument :
BNA_M
ClientSampleId :
BENW9DL

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	21.4	15.5	23.3	
277	27.6	21.4	32.2	

Manual Integrations
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mohammad
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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

