

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060819\
 Data File : BN006187.D
 Acq On : 08 Jun 2019 12:46
 Operator : JU/SJ
 Sample : K3201-19DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AD0DL

Manual Integrations
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Quant Time: Jun 08 13:46:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4736	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17701	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	8739	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	18107	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	14544	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	23123	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1415	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	3148	0.06	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.47	128	47019	0.963	ng/ul	99
5) 2-Methylnaphthalene	12.10	142	16579	0.487	ng/ul	100
7) Acenaphthylene	14.01	152	28158	0.580	ng/ul	99
8) Acenaphthene	14.36	153	39203	1.163	ng/ul	99
9) Fluorene	15.35	166	42432	1.076	ng/ul	96
12) Phenanthrene	17.09	178	682479	11.742	ng/ul	100
13) Anthracene	17.18	178	124167	2.237	ng/ul	99
15) Fluoranthene	19.12	202	861506	13.423	ng/ul	98
17) Pyrene	19.49	202	775513	10.123	ng/ul	98
18) Benzo(a)anthracene	21.25	228	388574	6.041	ng/ul	100
19) Chrysene	21.31	228	388114	6.427	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	436780m	4.530	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	173041m	1.843	ng/ul	
23) Benzo(a)pyrene	23.41	252	310040	3.453	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.74	276	187172	1.926	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.75	278	53230	0.685	ng/ul	96
26) Benzo(a,h,i)perylene	26.43	276	146180	1.796	ng/ul	94

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

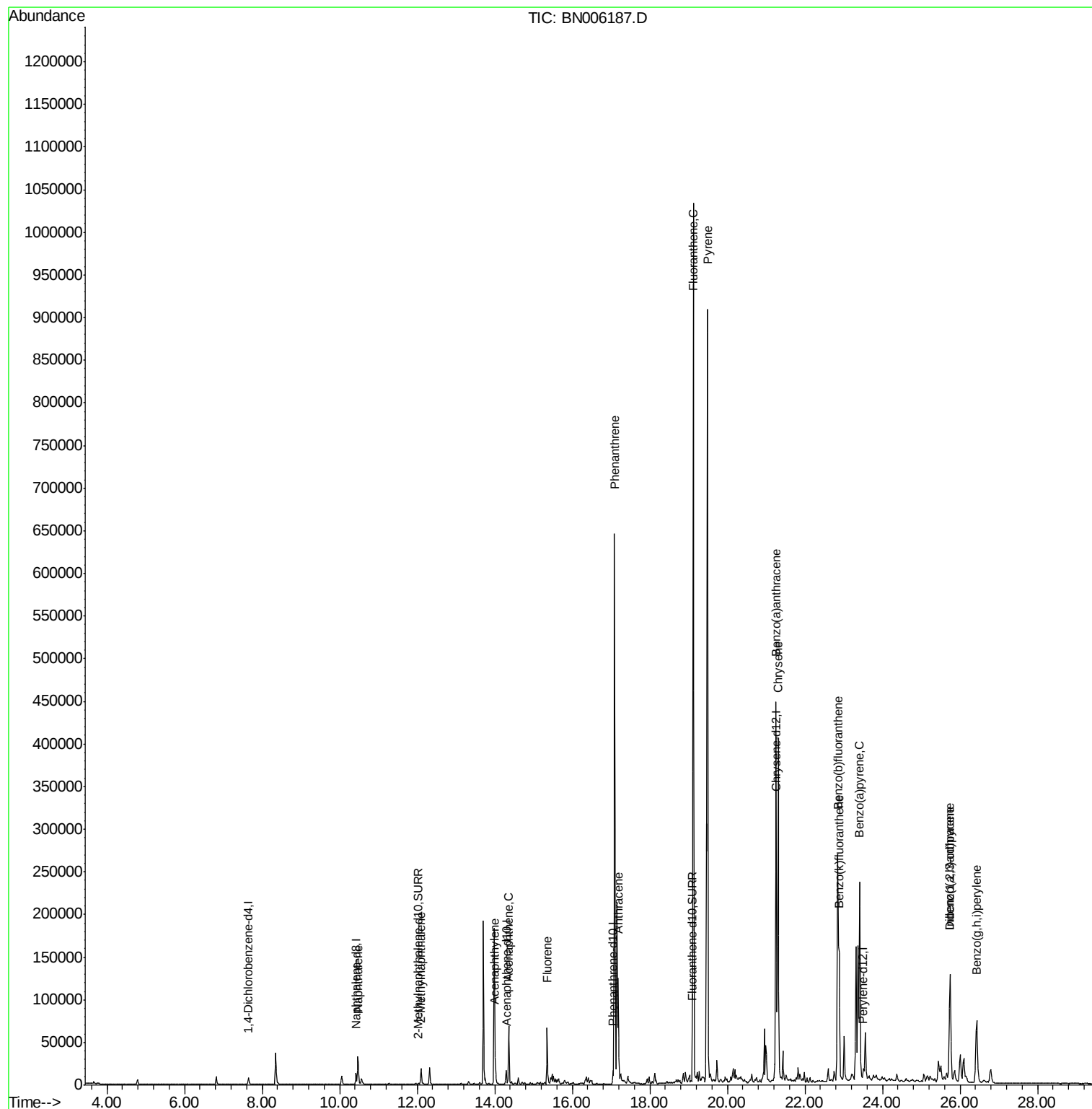
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060819\
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ALS Vial : 6 Sample Multiplier: 1

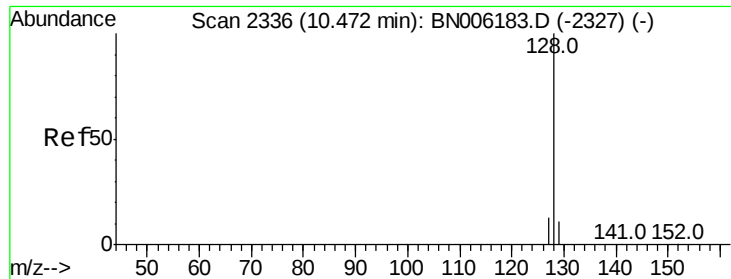
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QLast Update : Fri Jun 07 01:31:14 2019
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#3

Naphthalene

Concen: 0.963 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BN006187.D

Acq: 08 Jun 2019 12:46

Instrument :

BNA_N

ClientSampleId :

C0AD0DL

Tot Ion:128 Resp: 47019

Ion Ratio Lower Upper

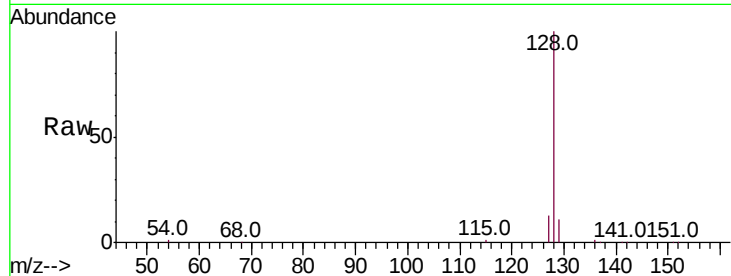
128 100

129 11.2 9.3 13.9

127 13.4 10.7 16.1

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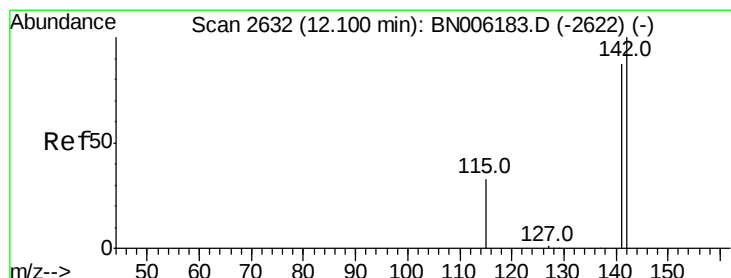
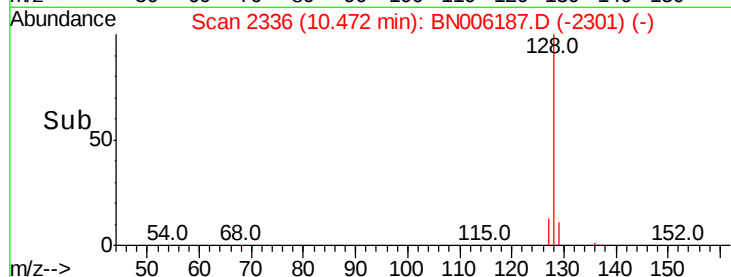
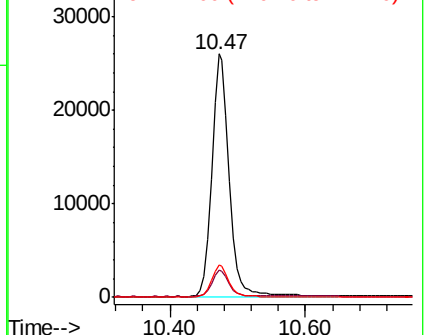
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.487 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. 0.00 min

Lab File: BN006187.D

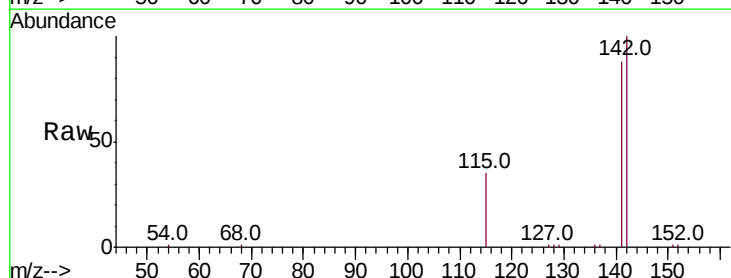
Acq: 08 Jun 2019 12:46

Tgt Ion:142 Resp: 16579

Ion Ratio Lower Upper

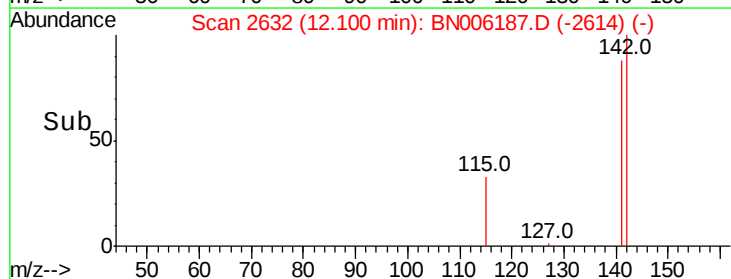
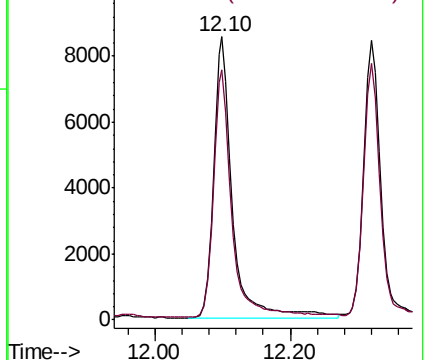
142 100

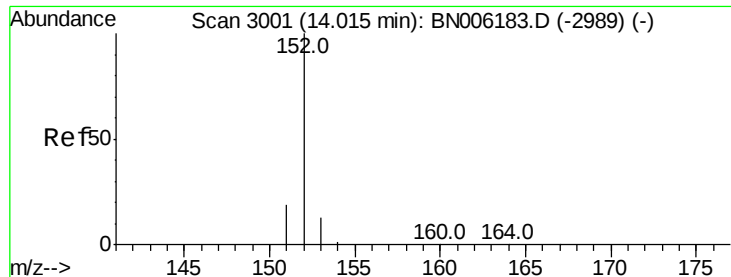
141 87.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.580 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006187.D

Acq: 08 Jun 2019 12:46

Instrument :

BNA_N

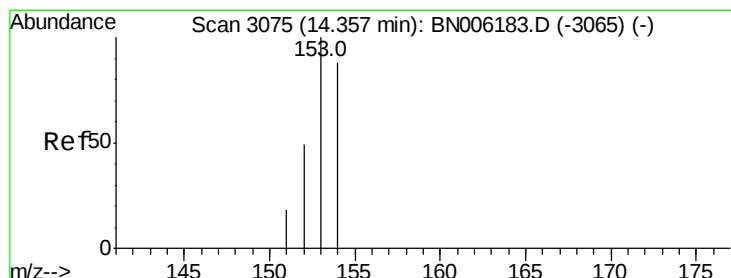
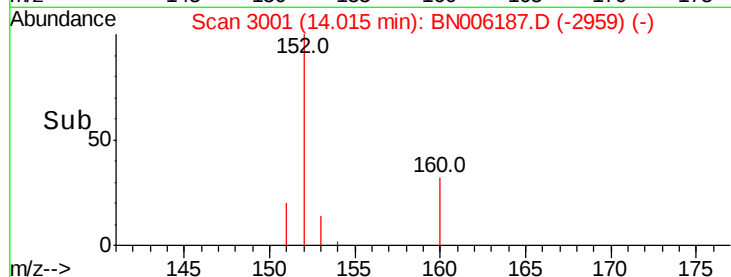
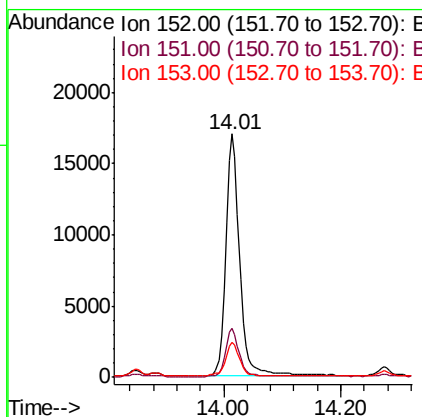
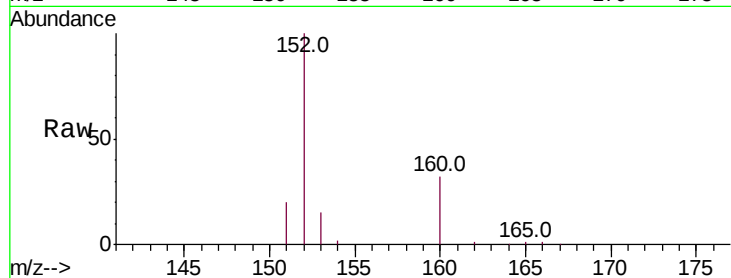
ClientSampleId :

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Tot Ion:	152	Resp:	28158
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	14.6	10.8	16.2

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#8

Acenaphthene

Concen: 1.163 ng/ul

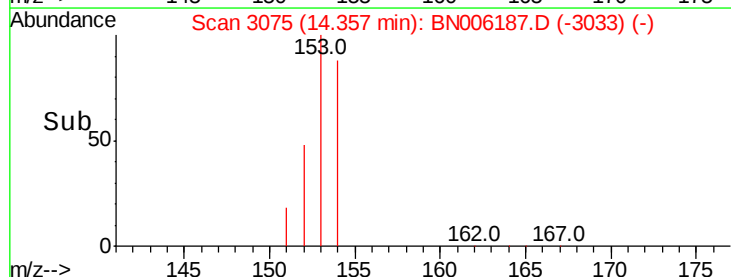
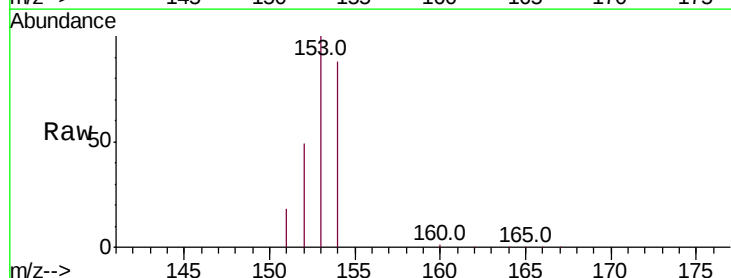
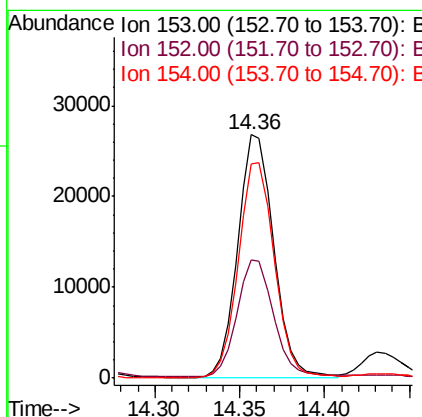
RT: 14.36 min Scan# 3075

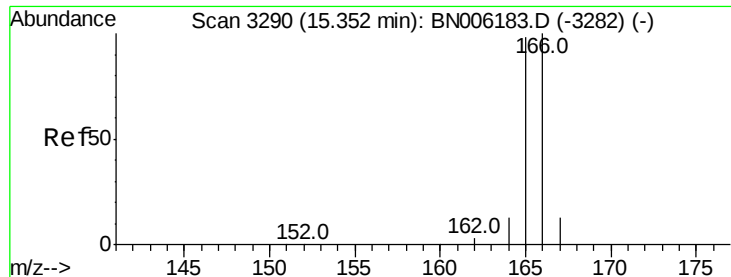
Delta R.T. -0.00 min

Lab File: BN006187.D

Acq: 08 Jun 2019 12:46

Tgt Ion:	153	Resp:	39203
Ion Ratio	Lower	Upper	
153	100		
152	48.7	39.1	58.7
154	87.7	71.1	106.7





#9

Fluorene

Concen: 1.076 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006187.D

Acq: 08 Jun 2019 12:46

Instrument :

BNA_N

ClientSampleId :

C0AD0DL

Tot Ion:166 Resp: 42432

Ion Ratio Lower Upper

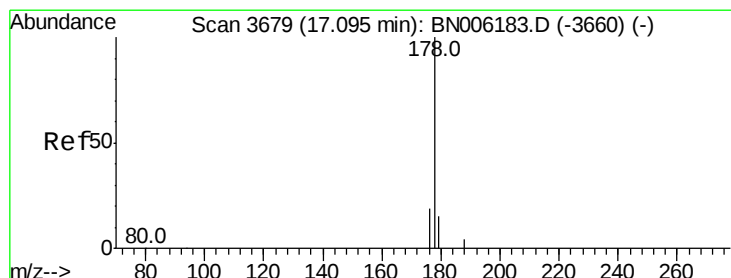
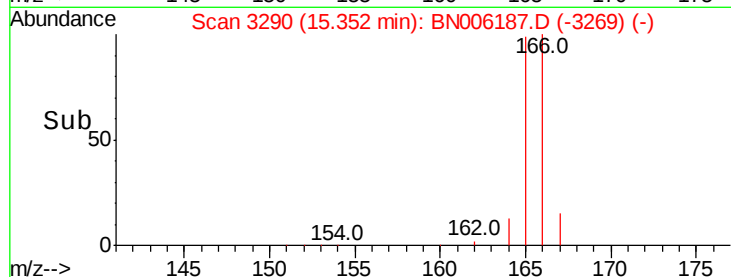
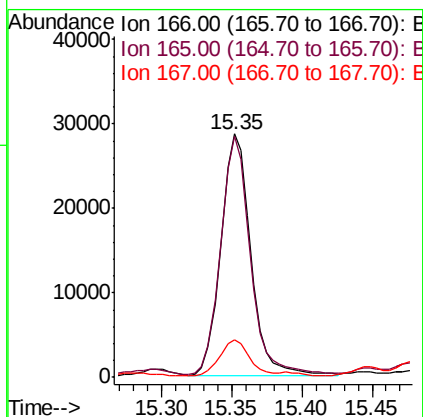
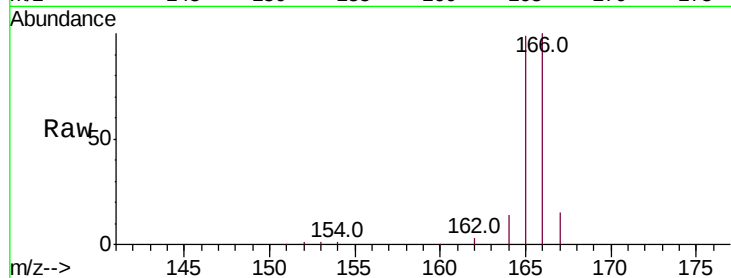
166 100

165 98.9 76.4 114.6

167 15.3 11.0 16.6

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#12

Phenanthrene

Concen: 11.742 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006187.D

Acq: 08 Jun 2019 12:46

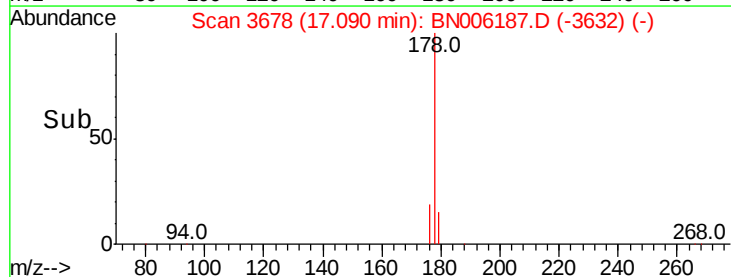
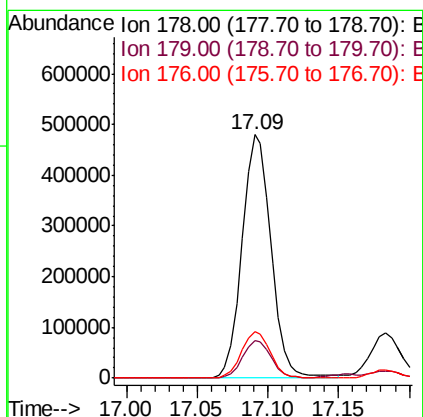
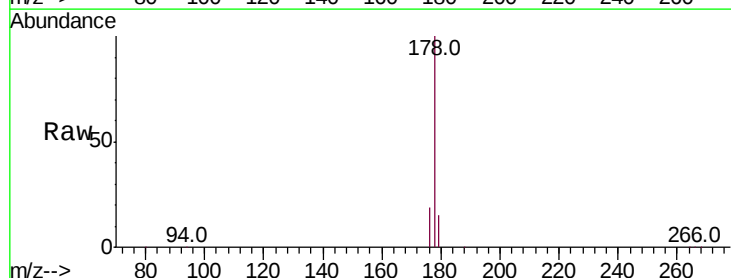
Tgt Ion:178 Resp: 682479

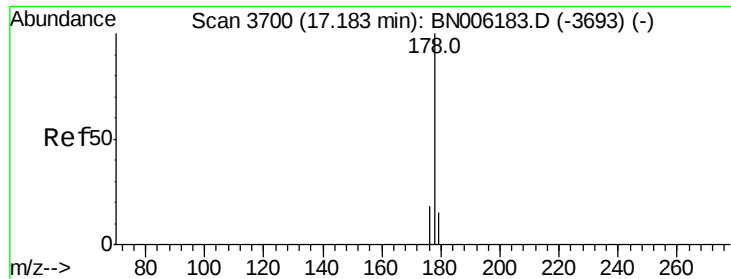
Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

176 19.3 15.3 22.9





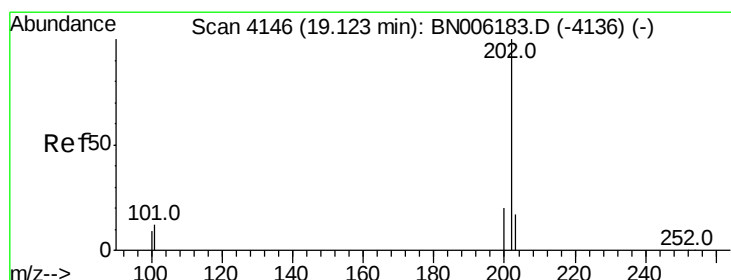
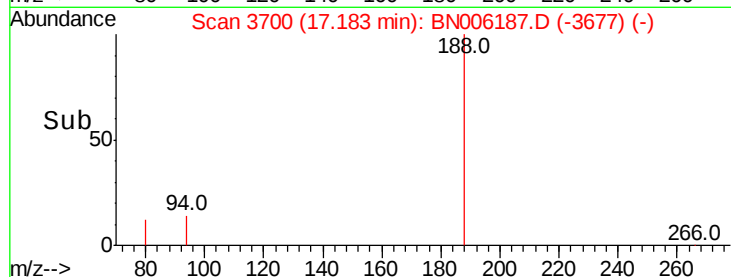
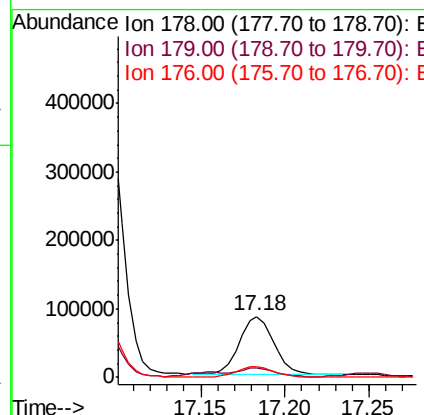
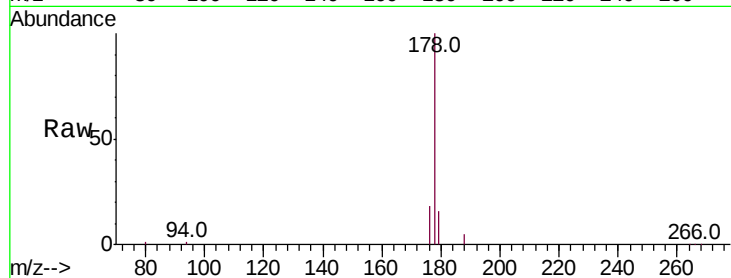
#13
 Anthracene
 Concen: 2.237 ng/ul
 RT: 17.18 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: BN006187.D
 Acq: 08 Jun 2019 12:46

Instrument :
 BNA_N
 ClientSampleId :
 C0AD0DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	18.5	15.1	22.7

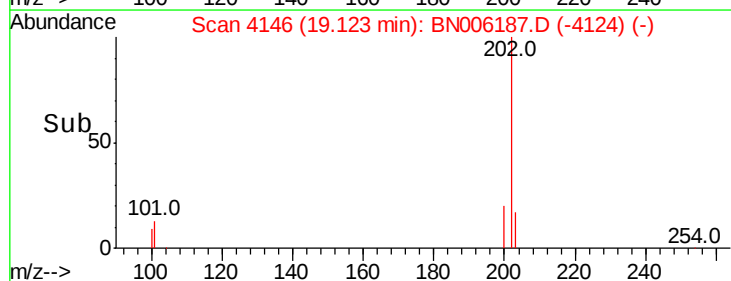
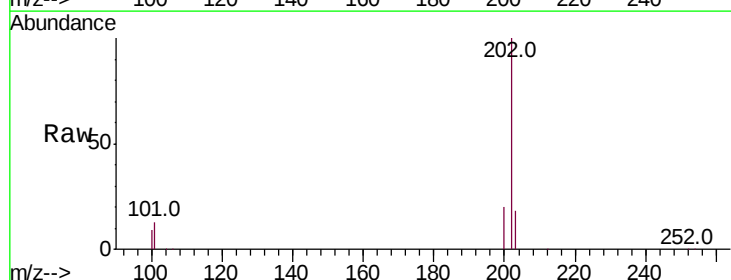
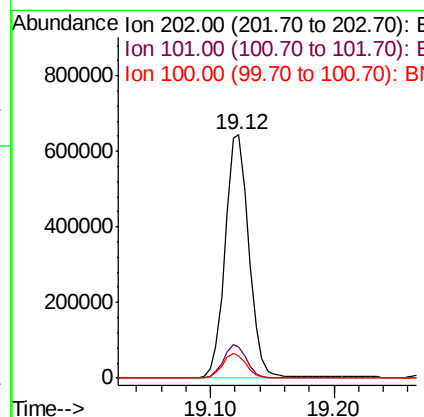
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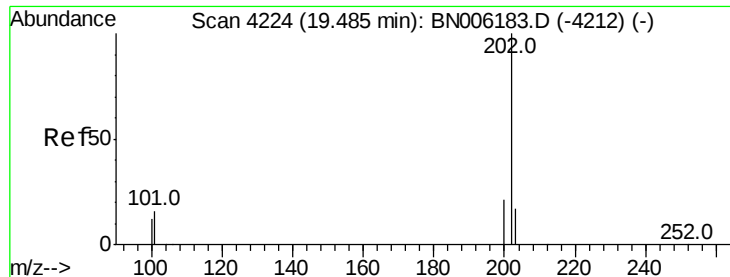
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#15
 Fluoranthene
 Concen: 13.423 ng/ul
 RT: 19.12 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BN006187.D
 Acq: 08 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.1
100	9.2	0.0	28.7





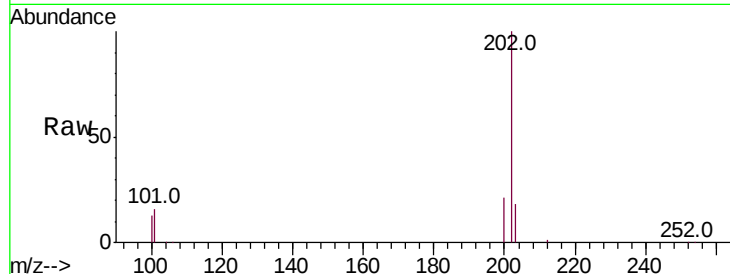
#17
Pvrene
Concen: 10.123 ng/ul
RT: 19.49 min Scan# 4224
Delta R.T. 0.00 min
Lab File: BN006187.D
Acq: 08 Jun 2019 12:46

Instrument :
BNA_N
ClientSampleId :
C0AD0DL

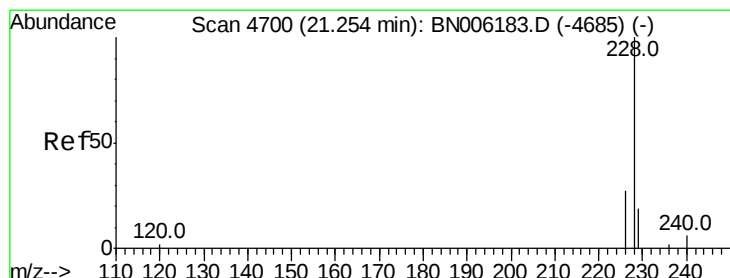
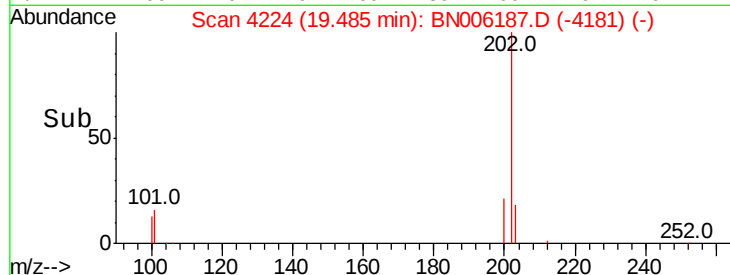
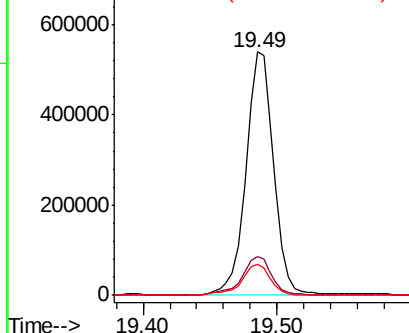
Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.1	12.2	18.2
100	12.8	9.8	14.6

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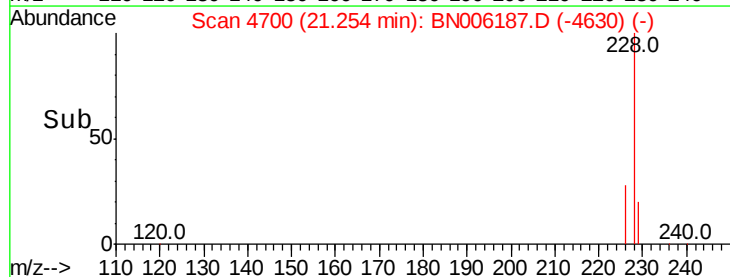
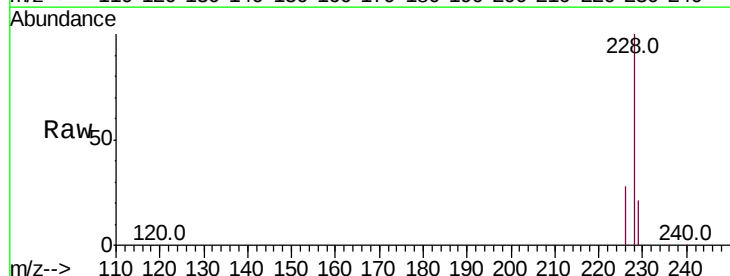
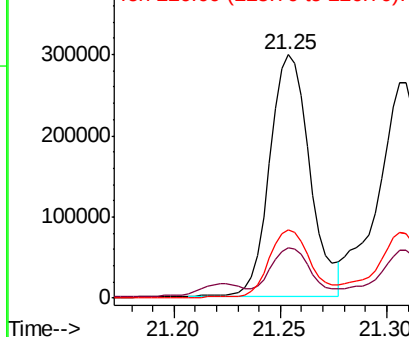
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

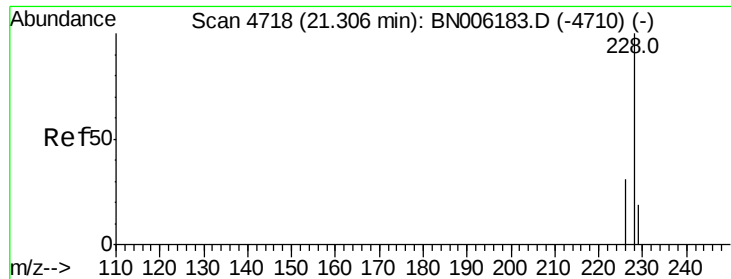


#18
Benzo(a)anthracene
Concen: 6.041 ng/ul
RT: 21.25 min Scan# 4700
Delta R.T. 0.00 min
Lab File: BN006187.D
Acq: 08 Jun 2019 12:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.7	16.5	24.7
226	28.2	22.8	34.2

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 6.427 ng/ul

RT: 21.31 min Scan# 4718

Delta R.T. 0.01 min

Lab File: BN006187.D

Acq: 08 Jun 2019 12:46

Instrument :

BNA_N

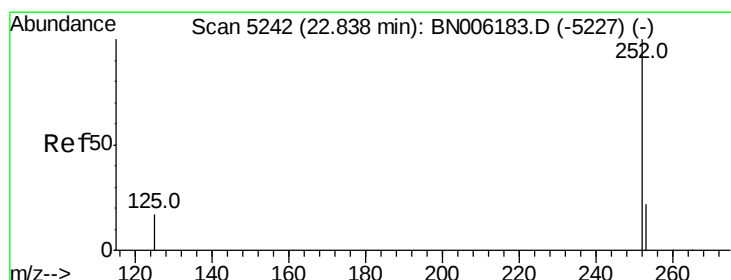
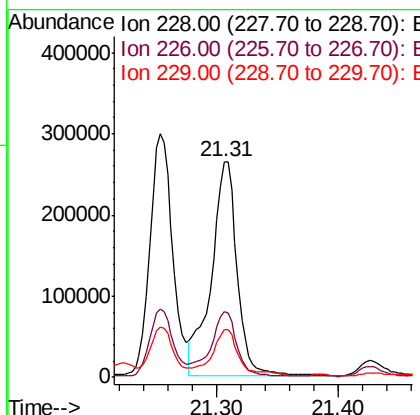
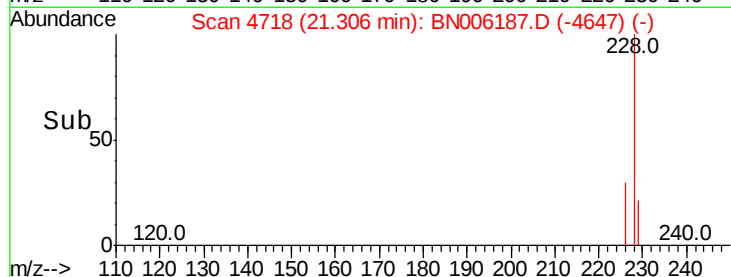
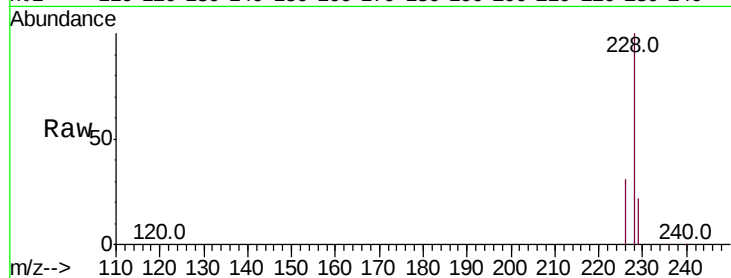
ClientSampleId :

C0AD0DL

Tot Ion:	228	Resp:	388114
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.0	16.3	24.5

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#21

Benzo(b)fluoranthene

Concen: 4.530 ng/ul m

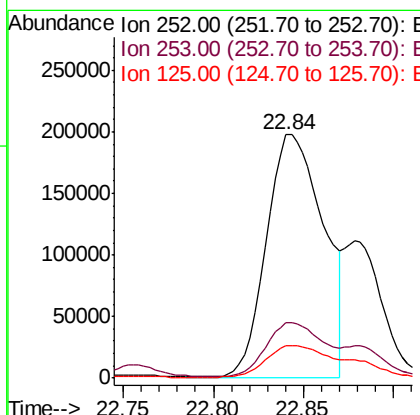
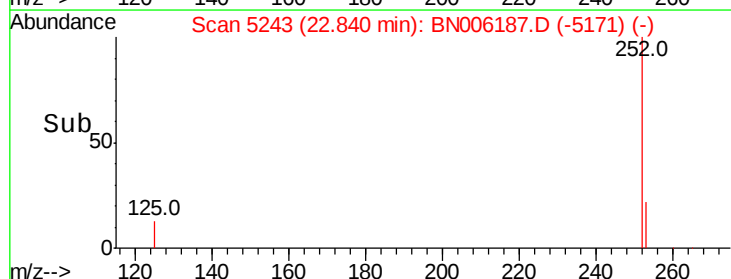
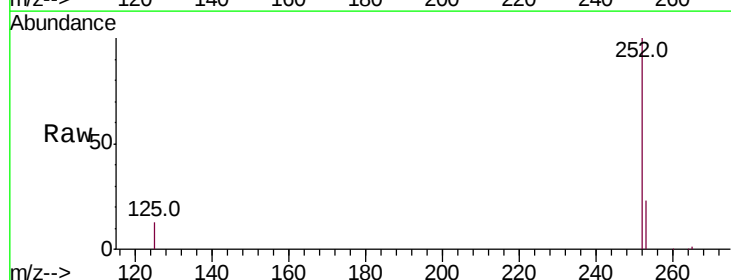
RT: 22.84 min Scan# 5243

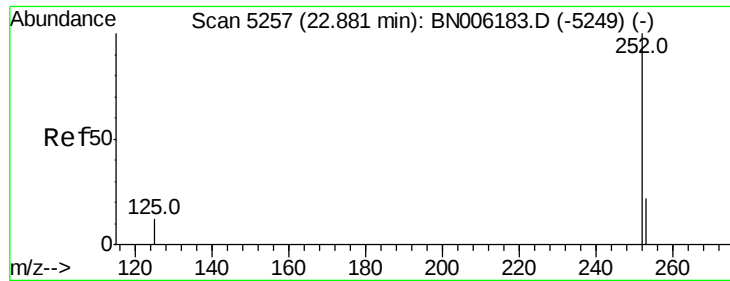
Delta R.T. 0.01 min

Lab File: BN006187.D

Acq: 08 Jun 2019 12:46

Tgt Ion:	252	Resp:	436780
Ion Ratio	Lower	Upper	
252	100		
253	22.6	0.0	51.4
125	13.1	0.0	41.0





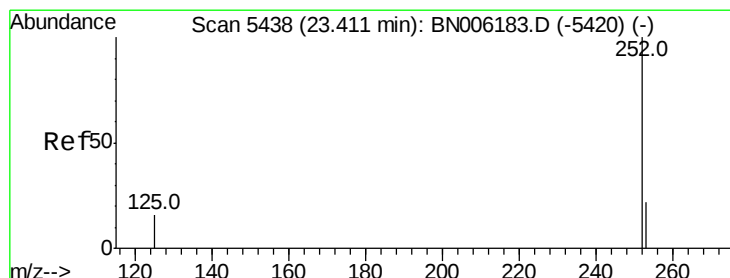
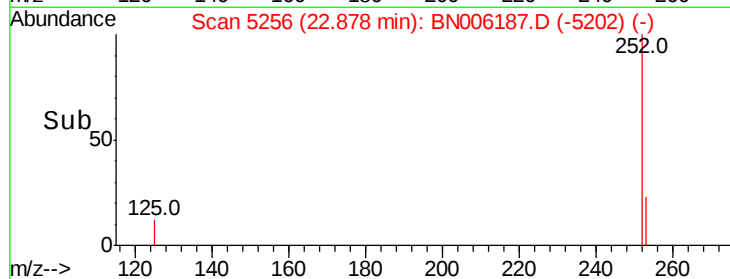
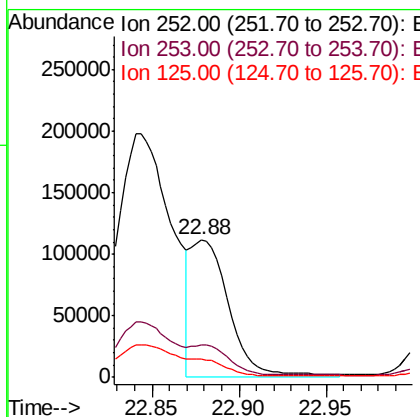
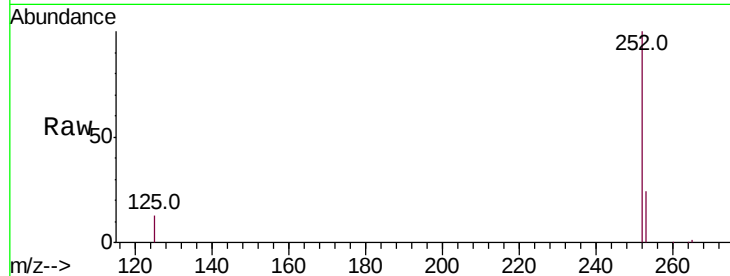
#22
Benzo(k)fluoranthene
Concen: 1.843 ng/ul m
RT: 22.88 min Scan# 5256
Delta R.T. 0.01 min
Lab File: BN006187.D
Acq: 08 Jun 2019 12:46

Instrument :
BNA_N
ClientSampled :
C0AD0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.3	30.5
125	12.9	14.3	21.5#

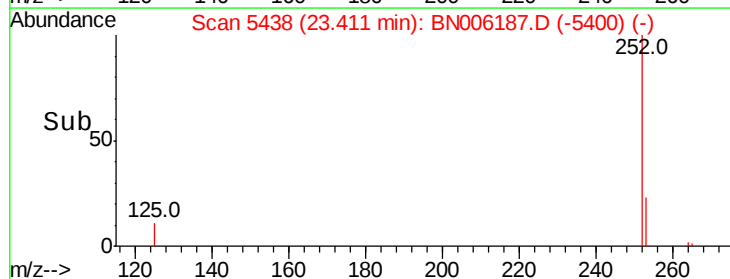
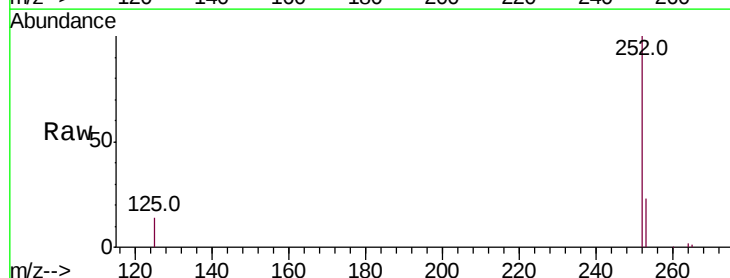
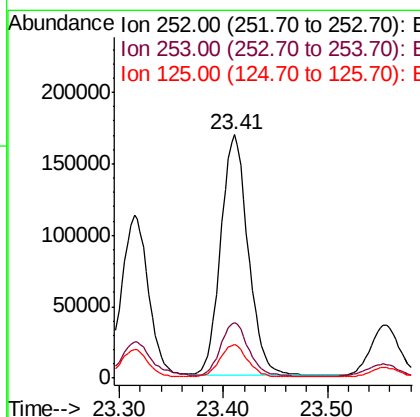
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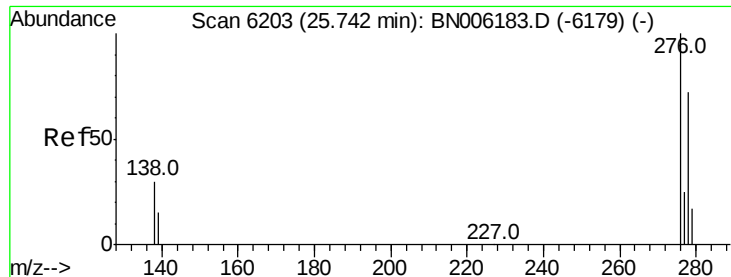
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#23
Benzo(a)pyrene
Concen: 3.453 ng/ul
RT: 23.41 min Scan# 5438
Delta R.T. 0.01 min
Lab File: BN006187.D
Acq: 08 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	21.1	31.7
125	13.7	20.3	30.5#





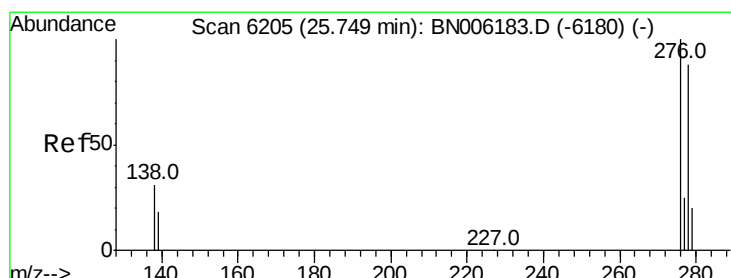
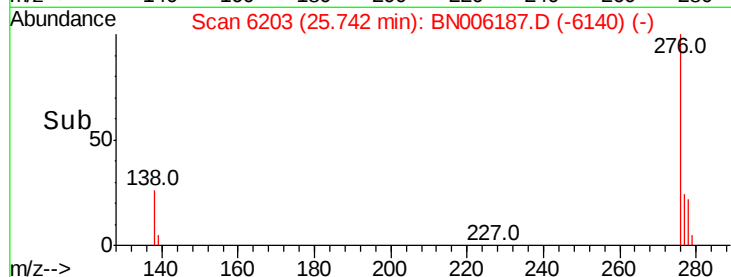
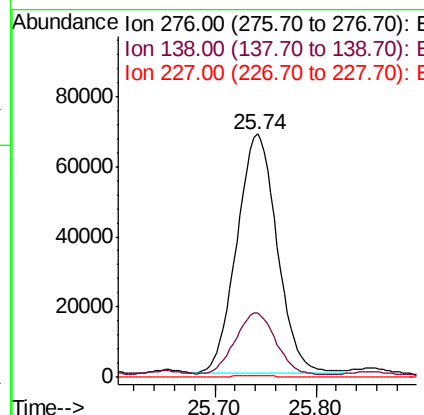
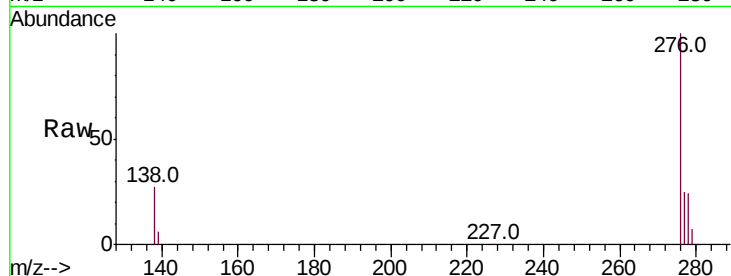
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.926 ng/ul
 RT: 25.74 min Scan# 6203
 Delta R.T. 0.01 min
 Lab File: BN006187.D
 Acq: 08 Jun 2019 12:46

Instrument :
 BNA_N
 ClientSampleId :
 C0AD0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	25.6	38.4
227	0.2	0.3	0.5

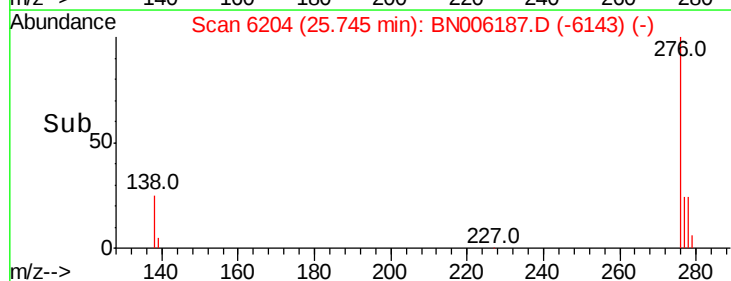
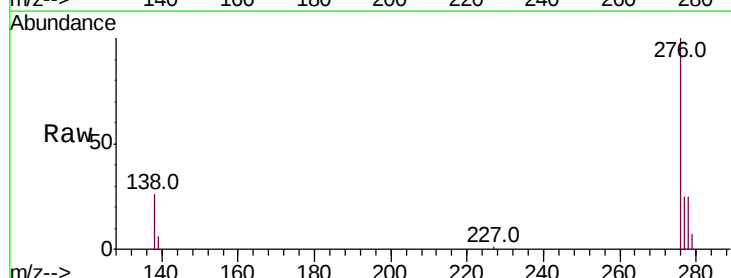
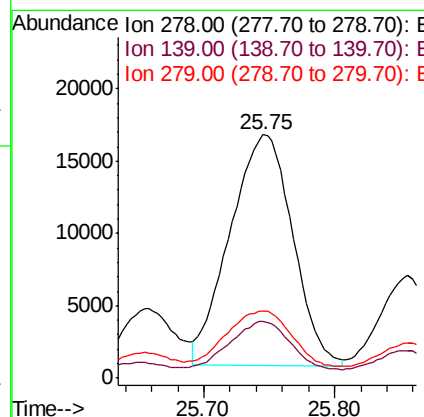
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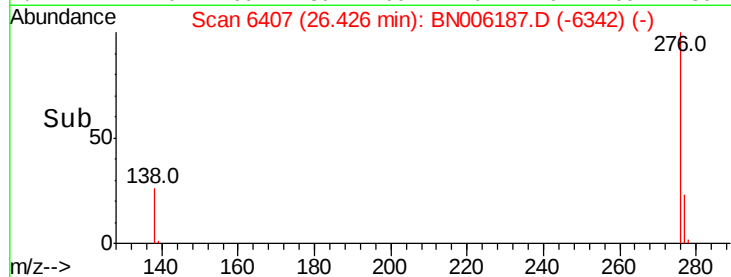
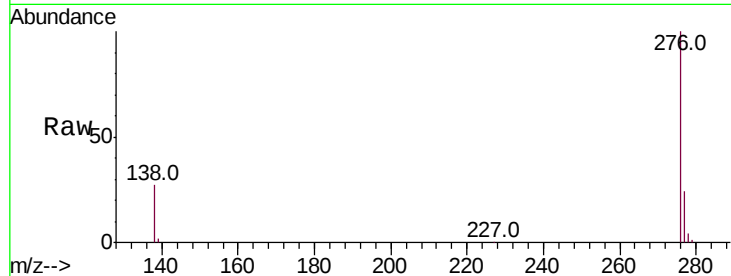
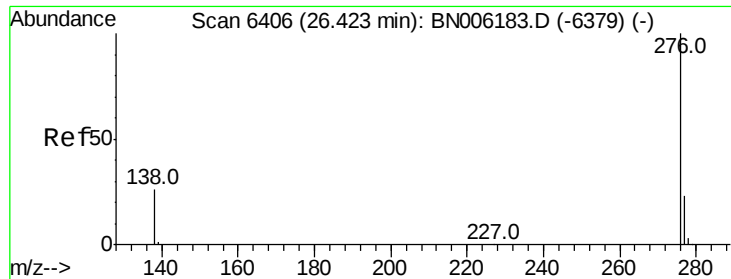
mohammad
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.685 ng/ul
 RT: 25.75 min Scan# 6204
 Delta R.T. 0.00 min
 Lab File: BN006187.D
 Acq: 08 Jun 2019 12:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	21.2	31.8
279	27.7	22.6	33.8





#26
Benzo(a,h,i)perylene
Concen: 1.796 ng/ul
RT: 26.43 min Scan# 6407
Delta R.T. 0.02 min
Lab File: BN006187.D
Acq: 08 Jun 2019 12:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	26.6	24.2	36.4		
277	24.1	21.5	32.3		

Instrument :
BNA_N
ClientSampleId :
C0AD0DL

Manual Integrations
APPROVED

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