

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007479.D
 Acq On : 28 Aug 2019 21:36
 Operator : HP/JU
 Sample : K4373-20
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AG8

Manual Integrations
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mohammad
 8/29/2019 7:51:02 AM

Quant Time: Aug 28 23:53:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5030	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	21882	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	11722	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	27303m	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	22313m	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	19860m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	10485	0.31	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	26027m	0.29	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.20	128	27675	0.448	ng/ul	100
5) 2-Methylnaphthalene	11.83	142	1771	0.043	ng/ul	98
8) Acenaphthene	14.11	153	3941	0.084	ng/ul	98
9) Fluorene	15.11	166	2682	0.053	ng/ul#	97
12) Phenanthrene	16.84	178	14262	0.167	ng/ul	98
13) Anthracene	16.93	178	3020m	0.038	ng/ul	
15) Fluoranthene	18.87	202	14883m	0.131	ng/ul	
17) Pyrene	19.24	202	10702m	0.098	ng/ul	
18) Benzo(a)anthracene	21.00	228	5705	0.057	ng/ul#	90
19) Chrysene	21.05	228	5522	0.052	ng/ul#	92
21) Benzo(b)fluoranthene	22.50	252	6794m	0.078	ng/ul	
23) Benzo(a)pyrene	23.03	252	4215m	0.049	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.18	276	2750m	0.028	ng/ul	
26) Benzo(g,h,i)perylene	25.81	276	2599	0.031	ng/ul#	75

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

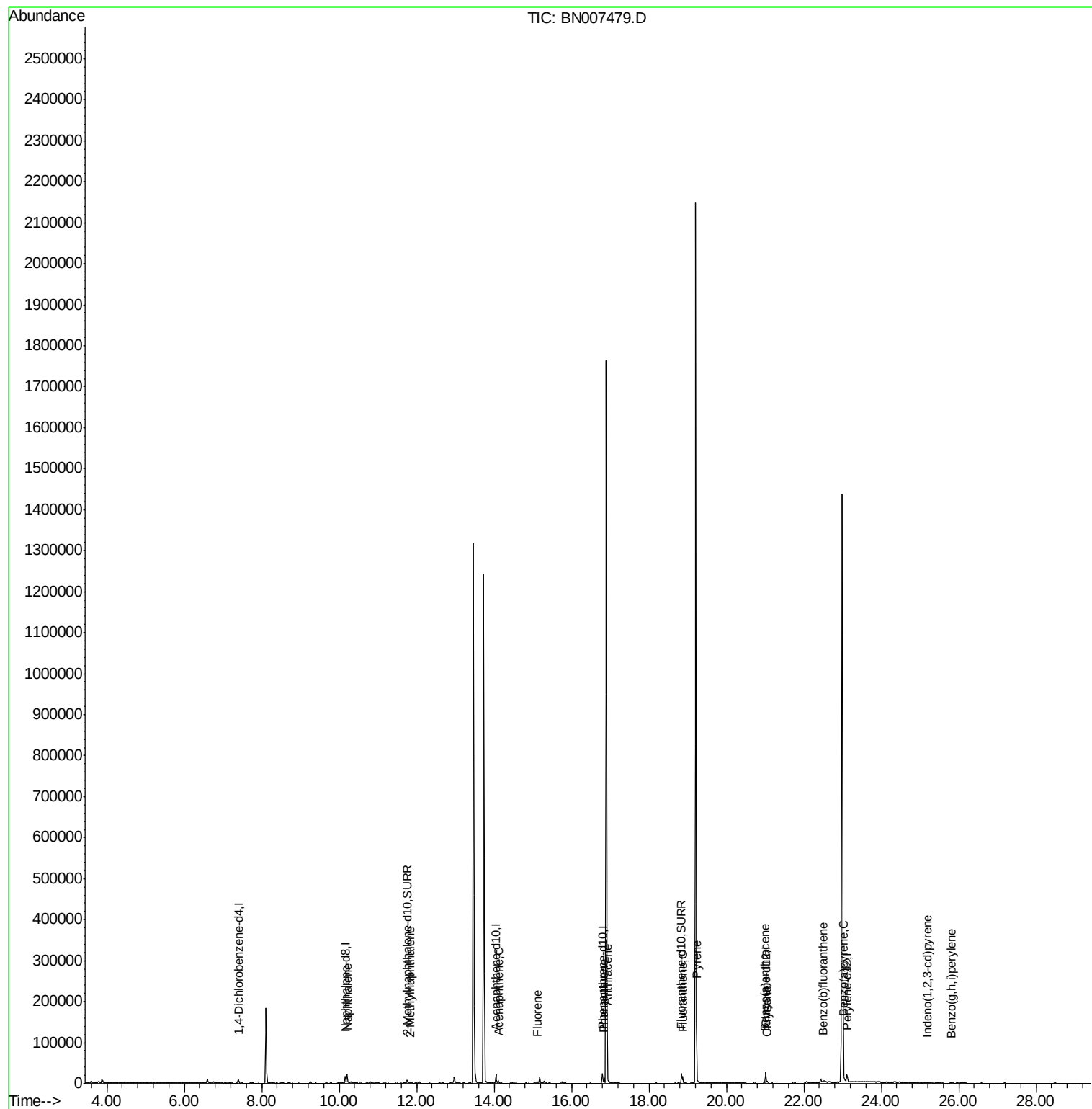
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007479.D
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ALS Vial : 52 Sample Multiplier: 1

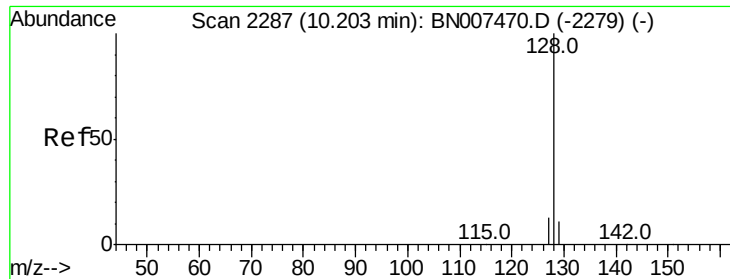
Instrument :
BNA_N
ClientSampleId :
C0AG8

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QLast Update : Tue Aug 27 20:30:31 2019
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#3

Naphthalene

Concen: 0.448 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007479.D

Acq: 28 Aug 2019 21:36

Instrument :

BNA_N

ClientSampleId :

C0AG8

Tot Ion:128 Resp: 27675

Ion Ratio Lower Upper

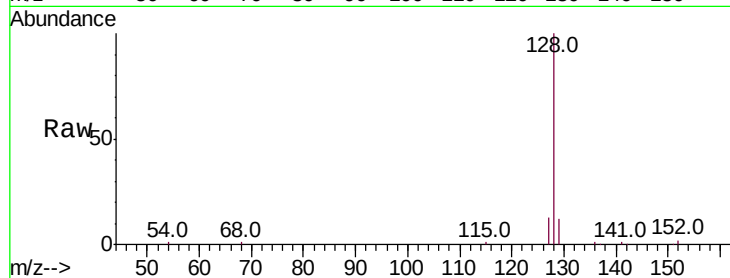
128 100

129 11.5 9.2 13.8

127 13.3 10.4 15.6

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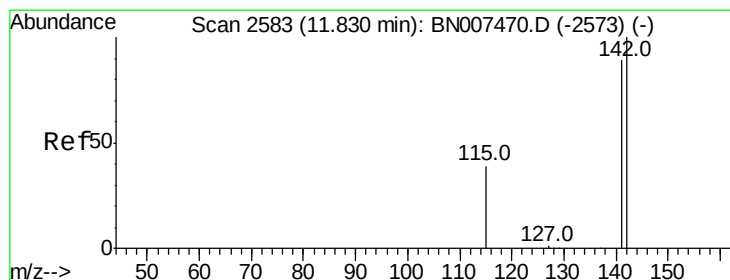
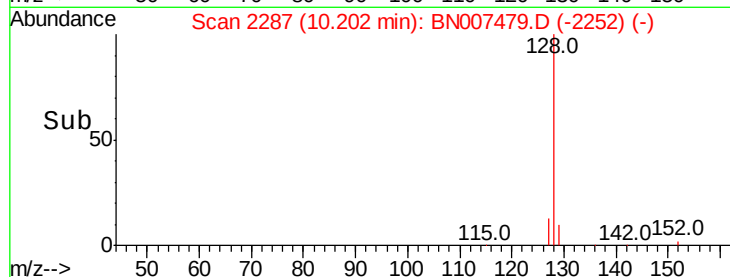
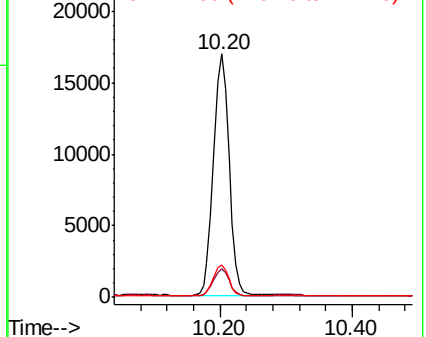
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.043 ng/ul

RT: 11.83 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN007479.D

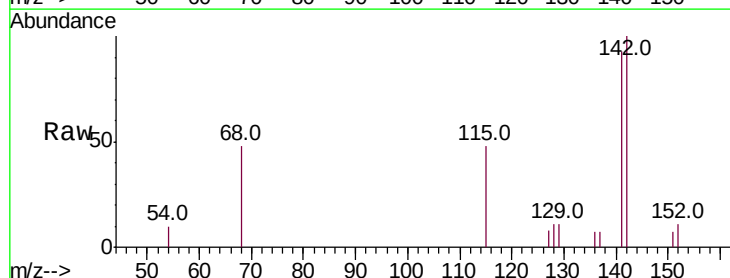
Acq: 28 Aug 2019 21:36

Tgt Ion:142 Resp: 1771

Ion Ratio Lower Upper

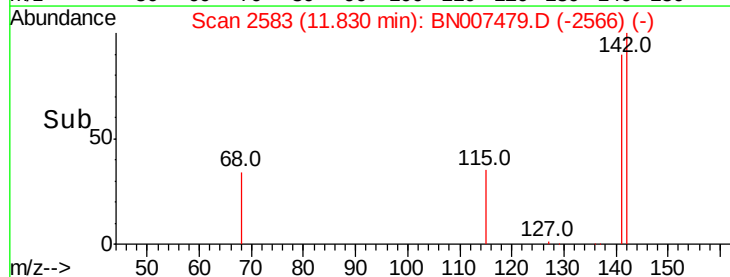
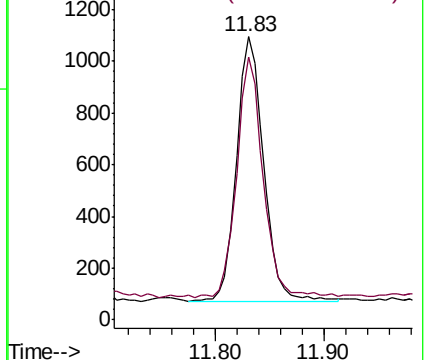
142 100

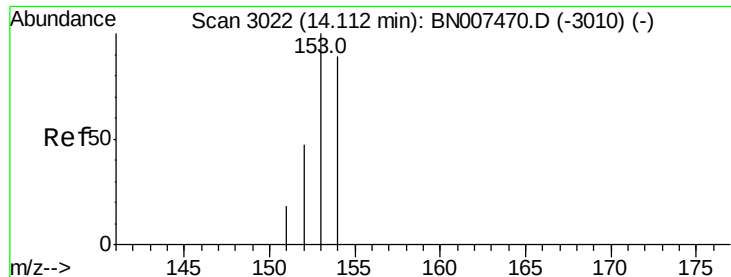
141 88.1 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.084 ng/ul

RT: 14.11 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BN007479.D

Acq: 28 Aug 2019 21:36

Instrument :

BNA_N

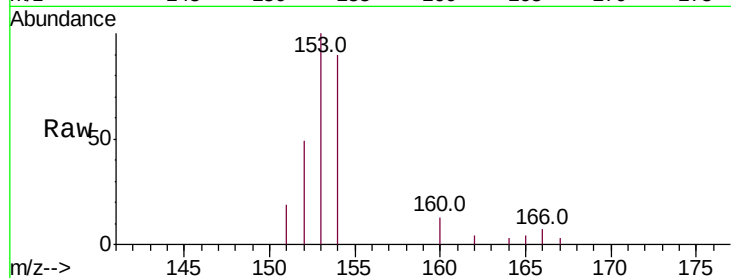
ClientSampleId :

C0AG8

Tot Ion:	153	Resp:	3941
Ion Ratio	Lower	Upper	
153	100		
152	48.8	39.1	58.7
154	89.9	69.4	104.2

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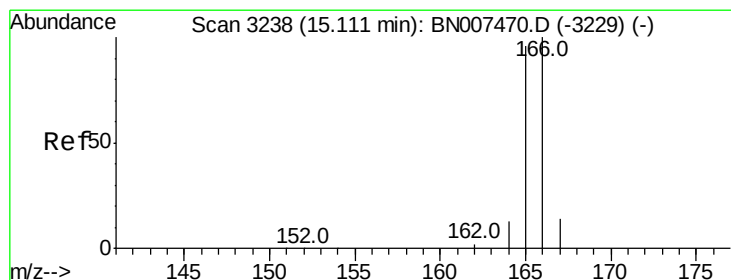
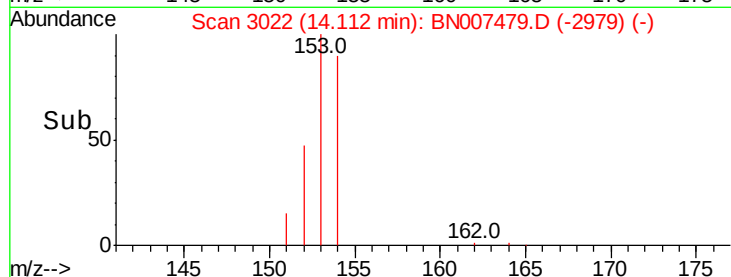
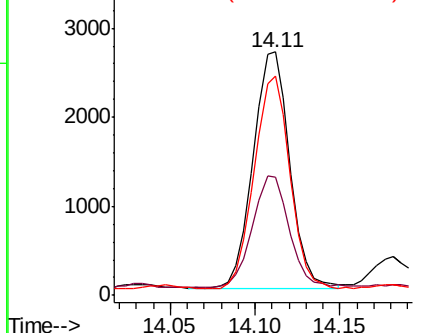
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#9

Fluorene

Concen: 0.053 ng/ul

RT: 15.11 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BN007479.D

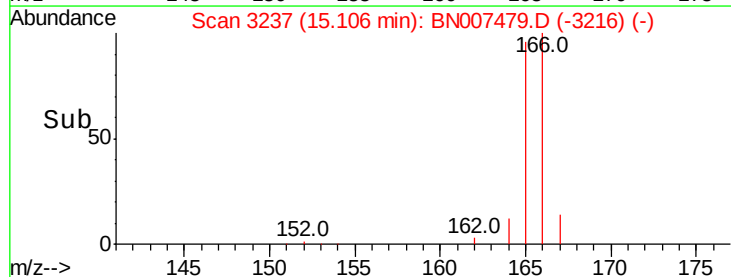
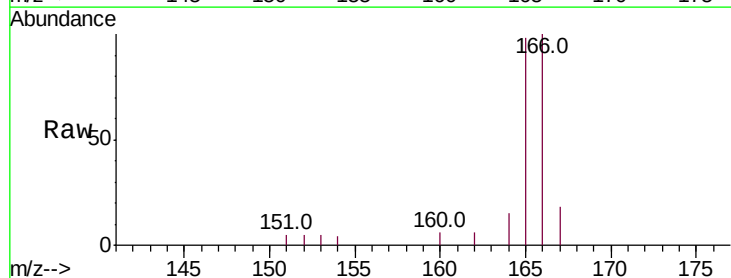
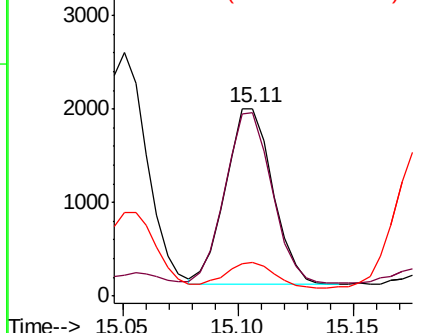
Acq: 28 Aug 2019 21:36

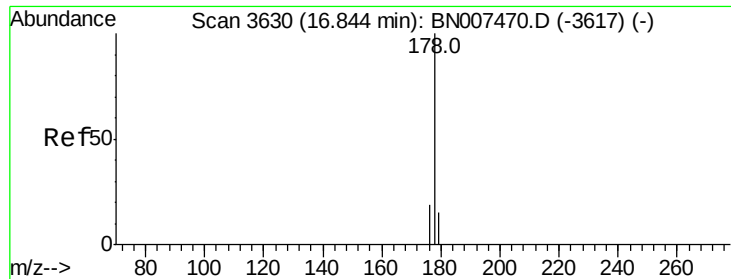
Tgt Ion:	166	Resp:	2682
Ion Ratio	Lower	Upper	
166	100		
165	97.7	79.6	119.4
167	18.0	11.7	17.5#

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.167 ng/ul

RT: 16.84 min Scan# 3629

Delta R.T. -0.00 min

Lab File: BN007479.D

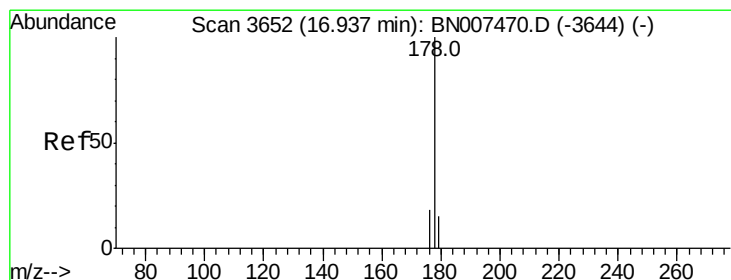
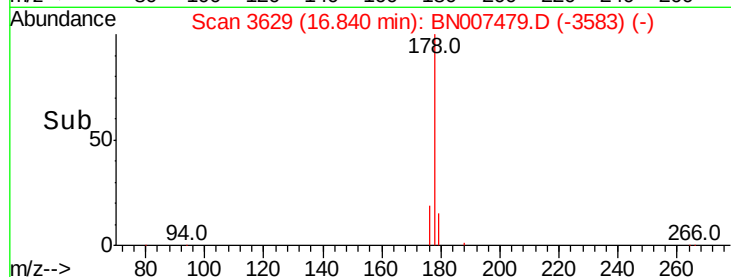
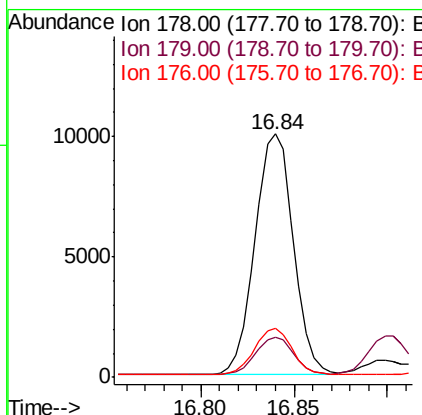
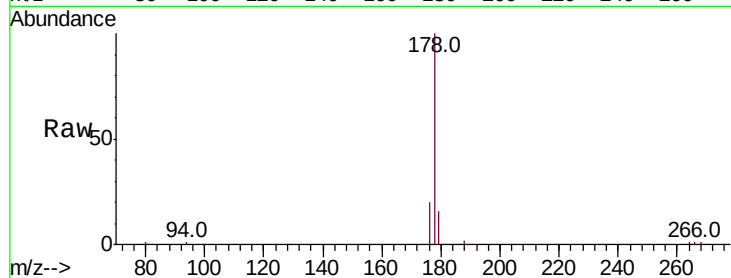
Acq: 28 Aug 2019 21:36

Instrument :
BNA_N
ClientSampleId :
C0AG8

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	20.2	15.2	22.8

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#13

Anthracene

Concen: 0.038 ng/ul m

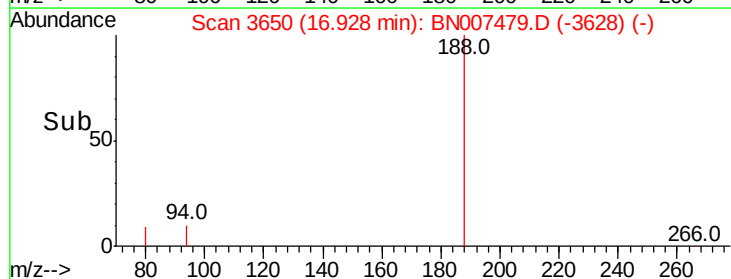
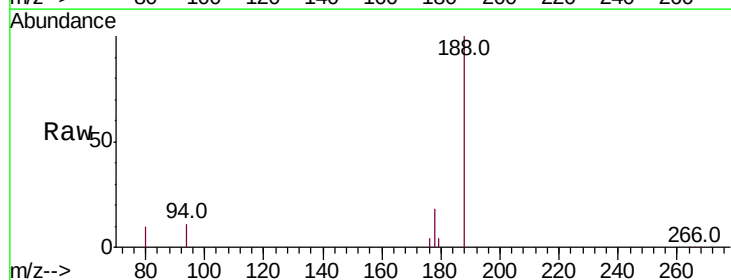
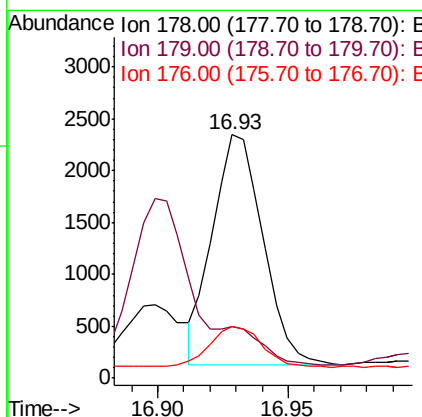
RT: 16.93 min Scan# 3650

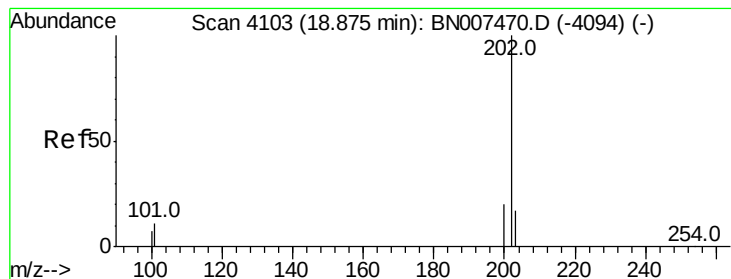
Delta R.T. -0.01 min

Lab File: BN007479.D

Acq: 28 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.5	12.8	19.2#
176	21.2	14.6	21.8





#15

Fluoranthene

Concen: 0.131 ng/ul m

RT: 18.87 min Scan# 4102

Delta R.T. -0.00 min

Lab File: BN007479.D

Acq: 28 Aug 2019 21:36

Instrument :

BNA_N

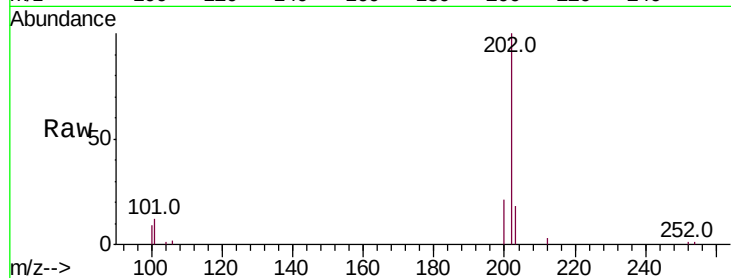
ClientSampled :

C0AG8

Tot Ion:	202	Resp:	14883
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.3
100	9.1	0.0	28.5

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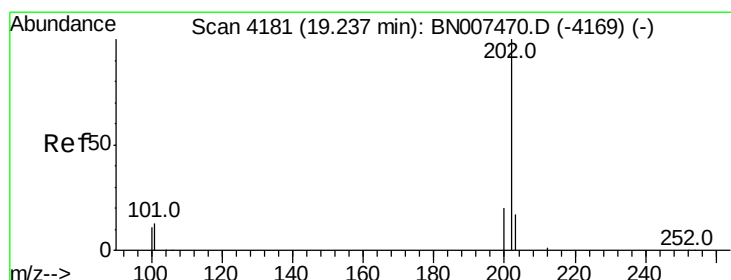
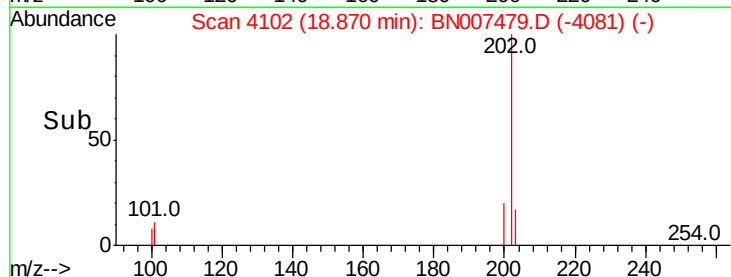
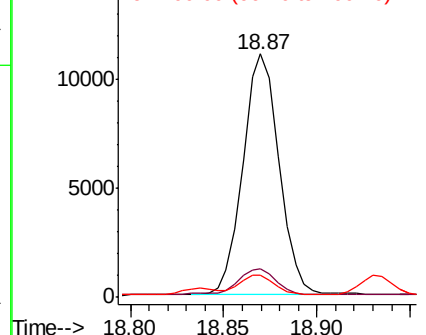
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.098 ng/ul m

RT: 19.24 min Scan# 4181

Delta R.T. -0.00 min

Lab File: BN007479.D

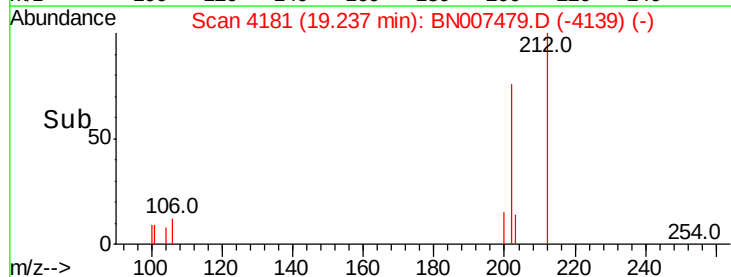
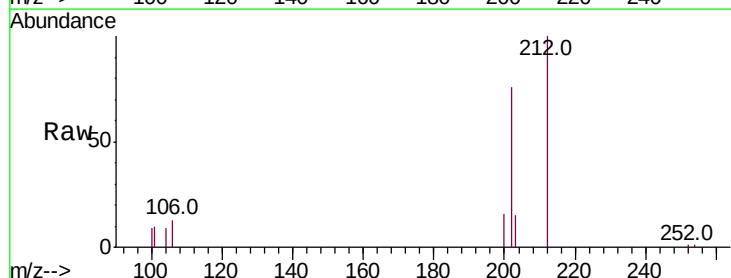
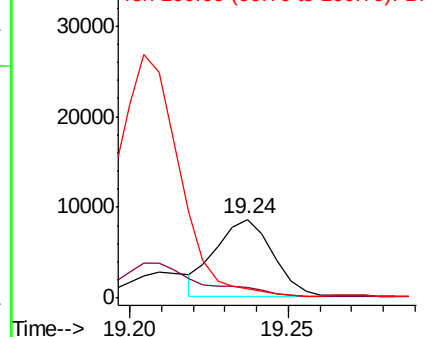
Acq: 28 Aug 2019 21:36

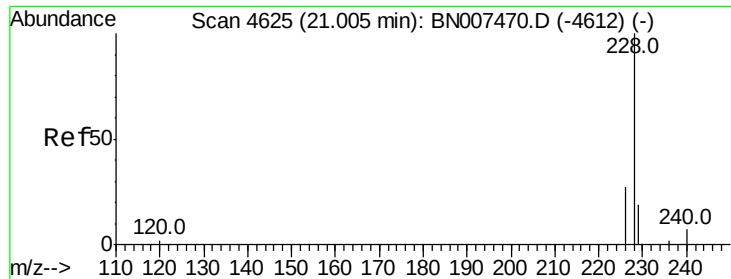
Tgt Ion:	202	Resp:	10702
Ion Ratio	Lower	Upper	
202	100		
101	13.6	10.7	16.1
100	12.4	8.6	12.8

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





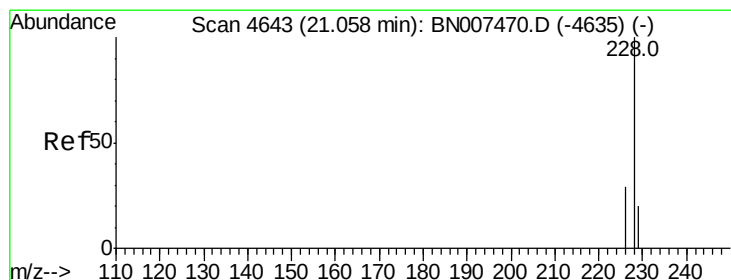
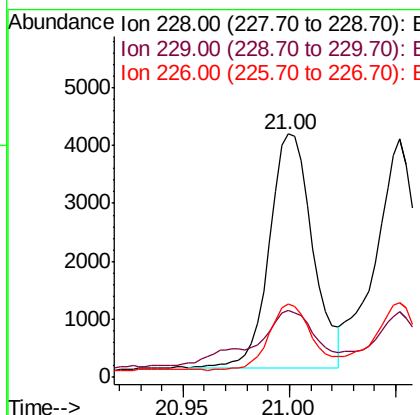
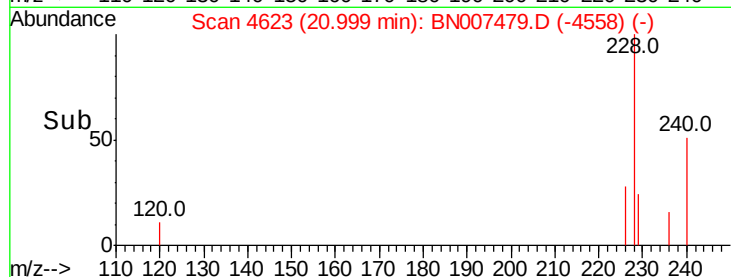
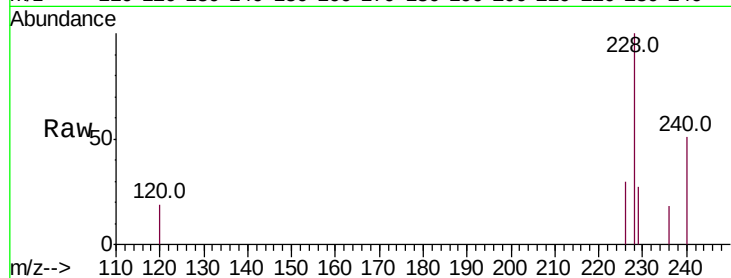
#18
Benzo(a)anthracene
Concen: 0.057 ng/ul
RT: 21.00 min Scan# 4623
Delta R.T. -0.01 min
Lab File: BN007479.D
Acq: 28 Aug 2019 21:36

Instrument :
BNA_N
ClientSampled :
C0AG8

Tot Ion	Ratio	Lower	Upper
228	100		
229	27.3	15.4	23.2#
226	30.3	22.0	33.0

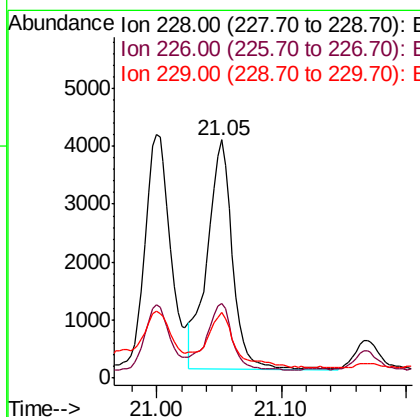
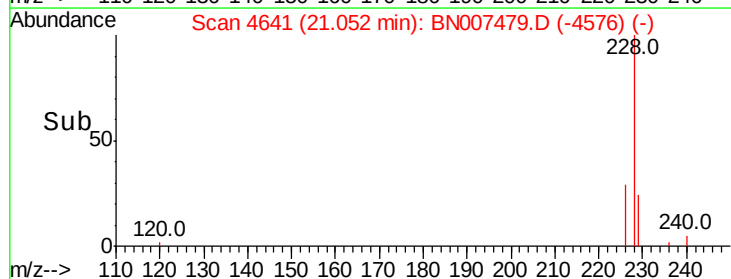
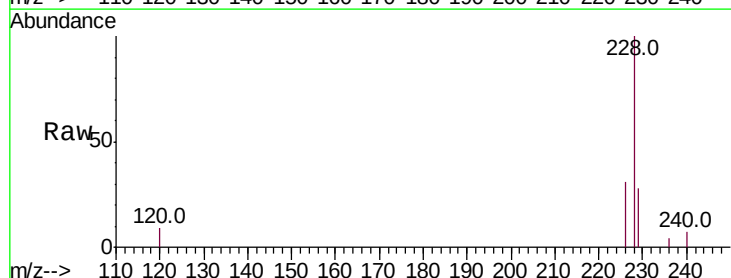
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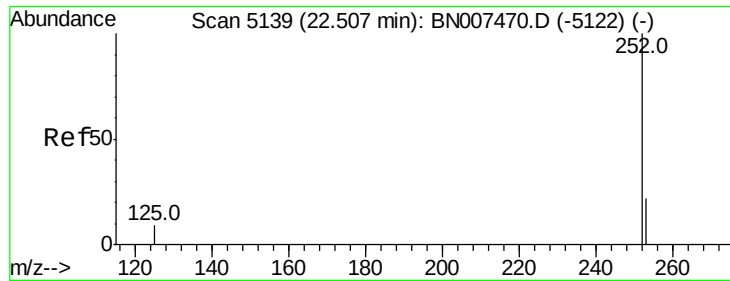
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#19
Chrysene
Concen: 0.052 ng/ul
RT: 21.05 min Scan# 4641
Delta R.T. -0.01 min
Lab File: BN007479.D
Acq: 28 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.1	36.1
229	27.6	16.1	24.1#





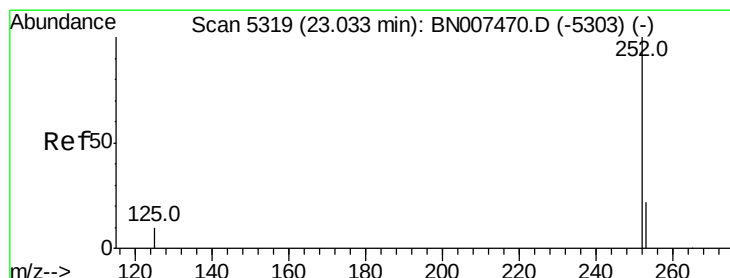
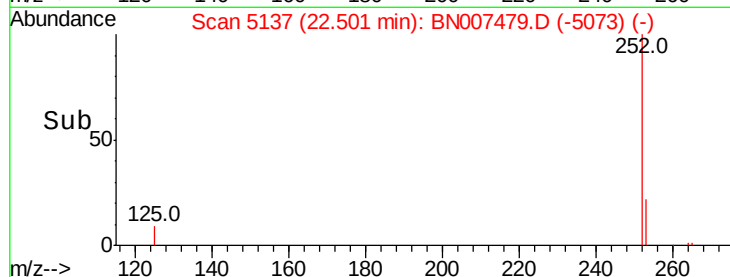
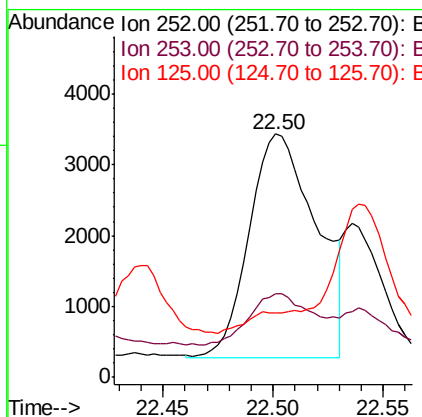
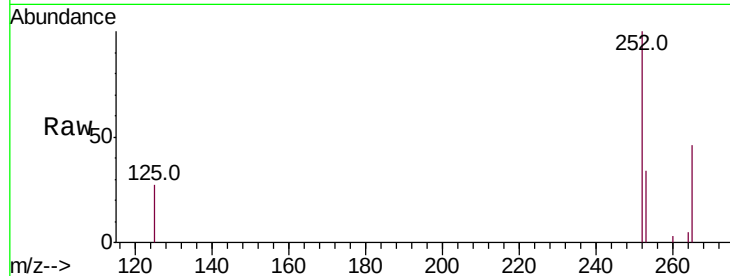
#21
Benzo(b)fluoranthene
Concen: 0.078 ng/ul m
RT: 22.50 min Scan# 5137
Delta R.T. -0.01 min
Lab File: BN007479.D
Acq: 28 Aug 2019 21:36

Instrument :
BNA_N
ClientSampleId :
C0AG8

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.1	0.0	47.0
125	26.7	0.0	24.8

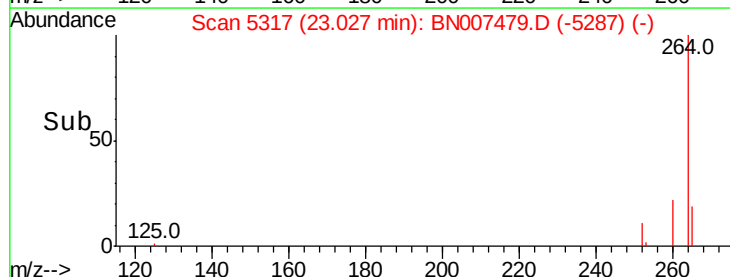
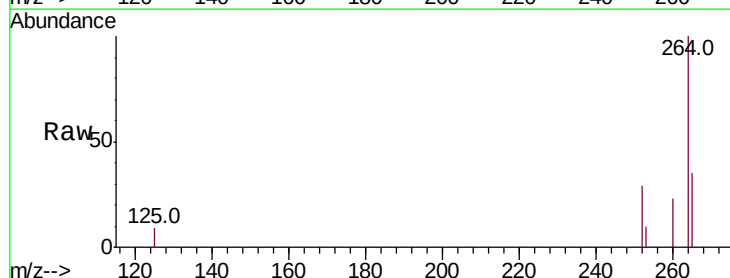
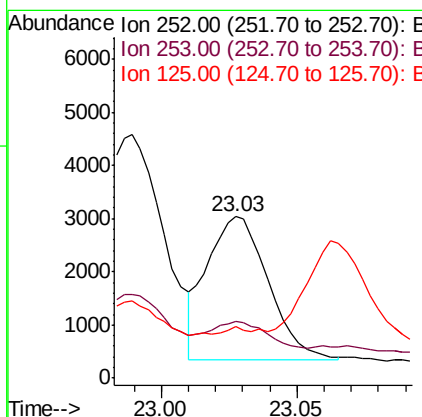
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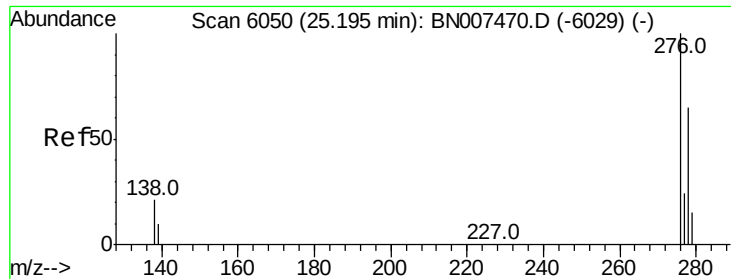
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#23
Benzo(a)pyrene
Concen: 0.049 ng/ul m
RT: 23.03 min Scan# 5317
Delta R.T. -0.01 min
Lab File: BN007479.D
Acq: 28 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.4	19.0	28.6
125	31.8	11.2	16.8





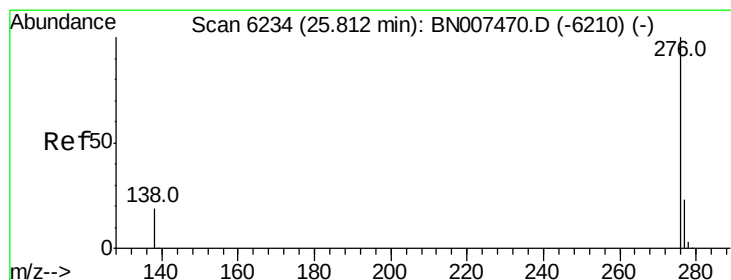
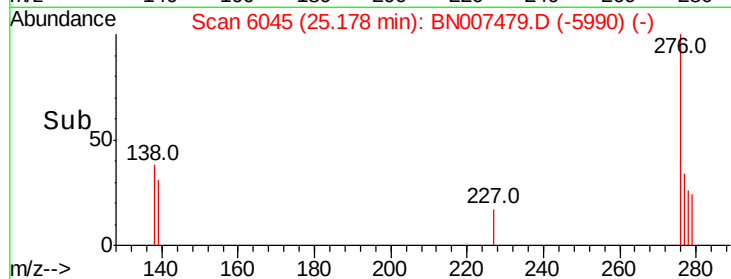
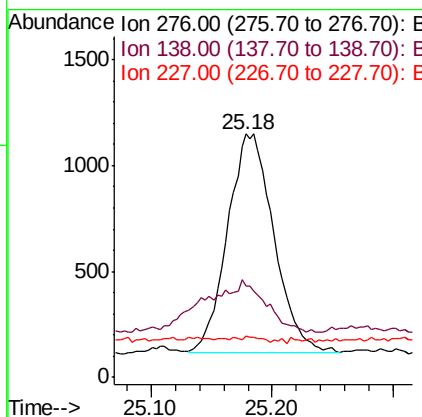
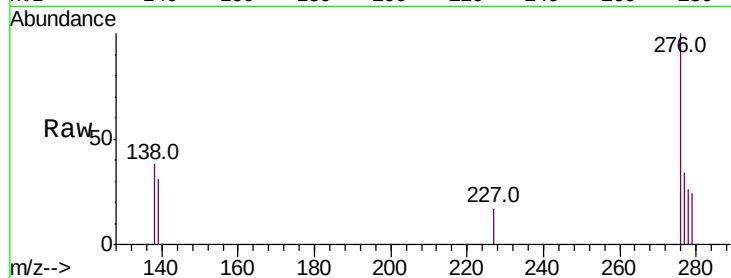
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.028 ng/ul m
 RT: 25.18 min Scan# 6045
 Delta R.T. -0.02 min
 Lab File: BN007479.D
 Acq: 28 Aug 2019 21:36

Instrument :
 BNA_N
 ClientSampleId :
 C0AG8

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.7	29.5#
227	0.0	0.1	0.1#

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#26
 Benzo(g,h,i)perylene
 Concen: 0.031 ng/ul
 RT: 25.81 min Scan# 6232
 Delta R.T. -0.02 min
 Lab File: BN007479.D
 Acq: 28 Aug 2019 21:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.3	17.1	25.7#
277	33.9	19.4	29.0#

