

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006229.D
 Acq On : 10 Jun 2019 18:52
 Operator : JU/SJ
 Sample : K3017-09DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A51E2DL

Manual Integrations
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Quant Time: Jun 11 01:44:38 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	5143	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	19370	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	9625	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	19602	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	15856	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	18767	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1134	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	2180	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	1660	0.031	ng/ul#	84
5) 2-Methylnaphthalene	12.10	142	756	0.020	ng/ul	96
7) Acenaphthylene	14.01	152	5281	0.099	ng/ul	95
9) Fluorene	15.35	166	1219	0.028	ng/ul#	93
12) Phenanthrene	17.09	178	30575	0.486	ng/ul	99
13) Anthracene	17.18	178	4630	0.077	ng/ul#	93
15) Fluoranthene	19.12	202	62707	0.903	ng/ul	96
17) Pyrene	19.48	202	58180	0.697	ng/ul	99
18) Benzo(a)anthracene	21.25	228	18228	0.260	ng/ul	94
19) Chrysene	21.30	228	31895	0.484	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	38898m	0.497	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	17521m	0.230	ng/ul	
23) Benzo(a)pyrene	23.40	252	23762	0.326	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.73	276	20490	0.260	ng/ul#	43
25) Dibenzo(a,h)anthracene	25.74	278	4434	0.070	ng/ul#	1
26) Benzo(a,h,i)perylene	26.41	276	19949	0.302	ng/ul	96

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

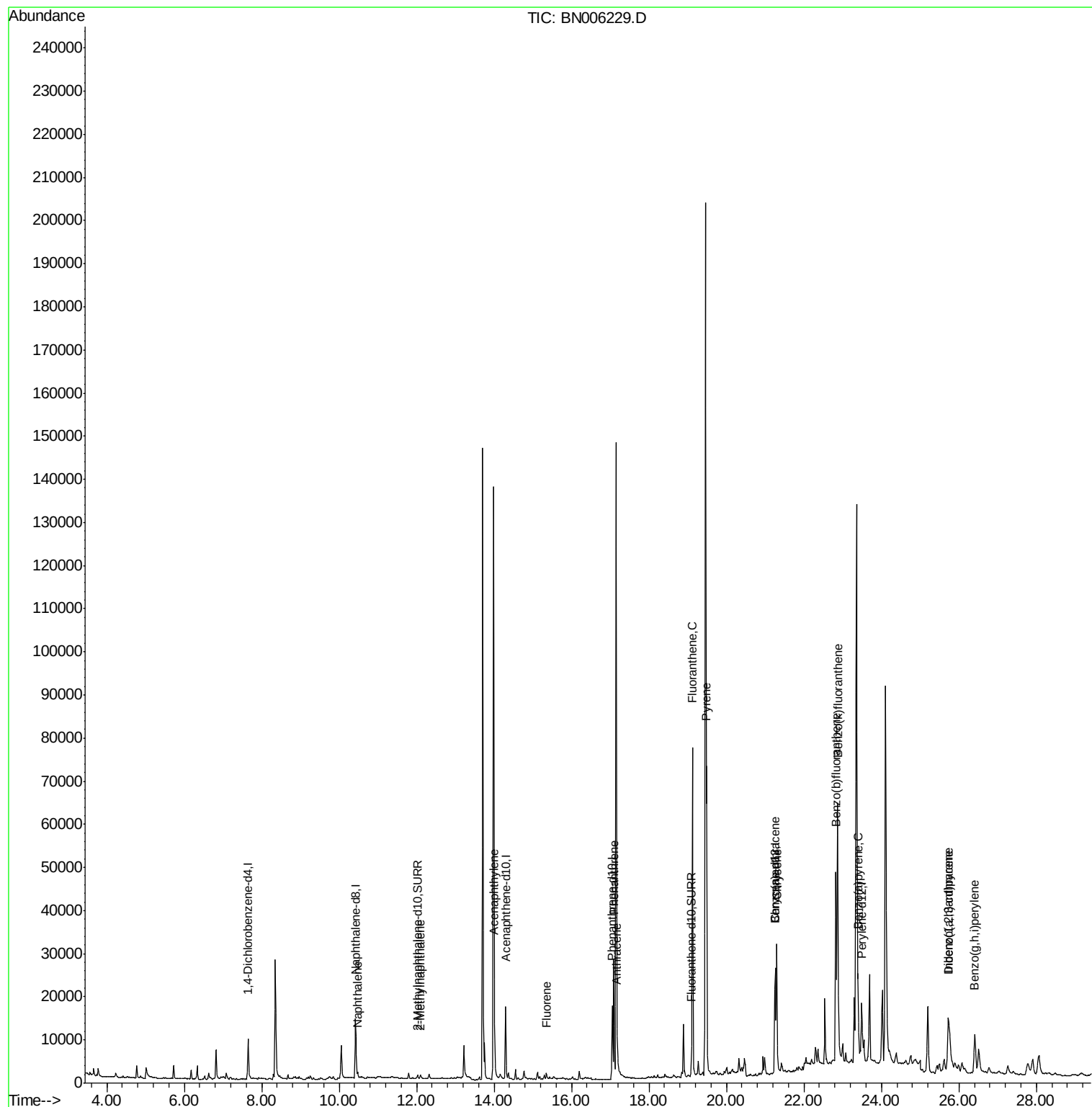
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

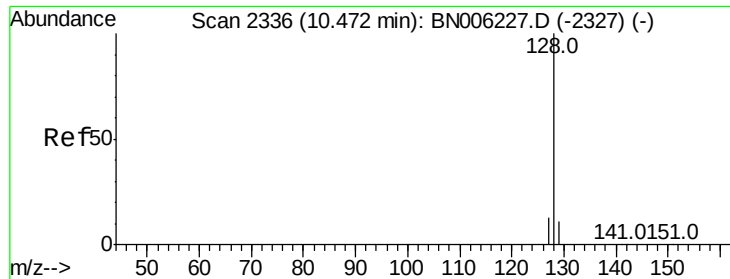
Instrument :
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Quant Time: Jun 11 01:44:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.031 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Instrument :

BNA_N

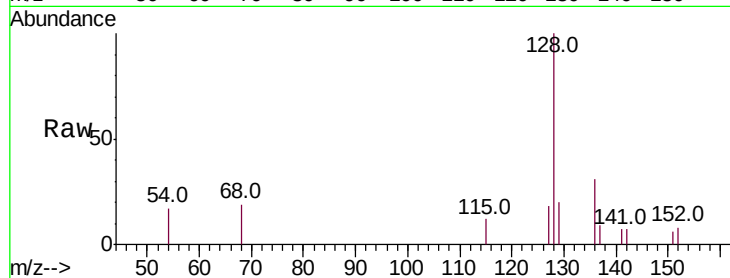
ClientSampled :

A51E2DL

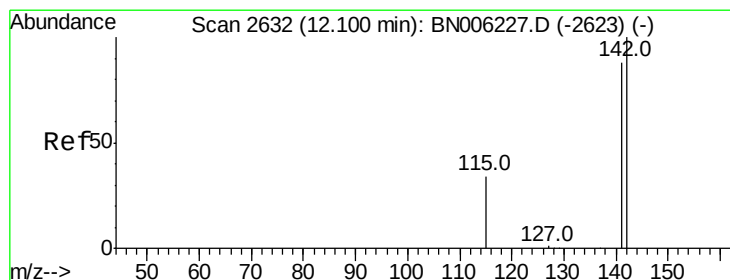
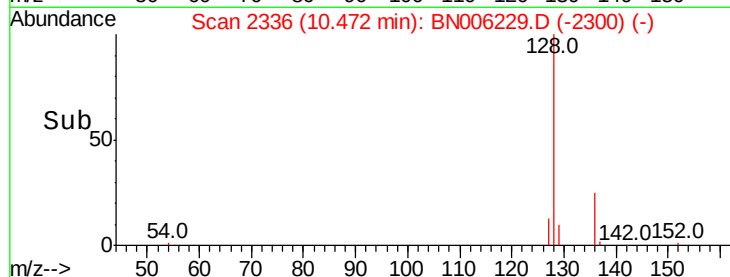
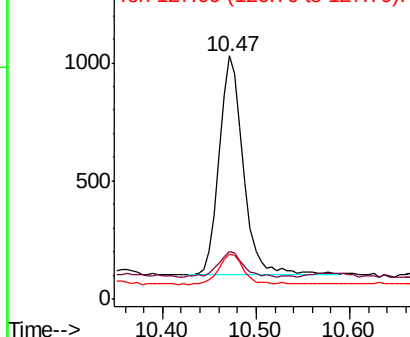
Tot Ion:	128	Resp:	1660
Ion Ratio	Lower	Upper	
128	100		
129	19.6	9.3	13.9#
127	18.4	10.7	16.1#

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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: 0.020 ng/ul

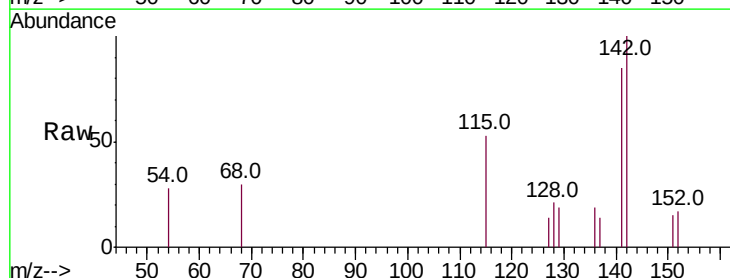
RT: 12.10 min Scan# 2632

Delta R.T. 0.00 min

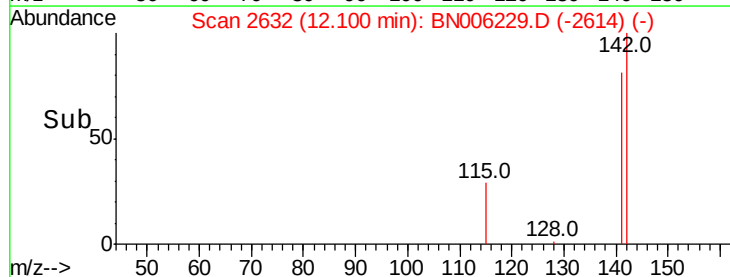
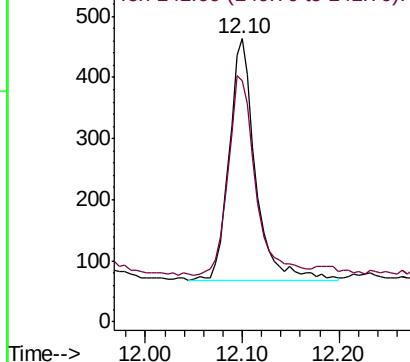
Lab File: BN006229.D

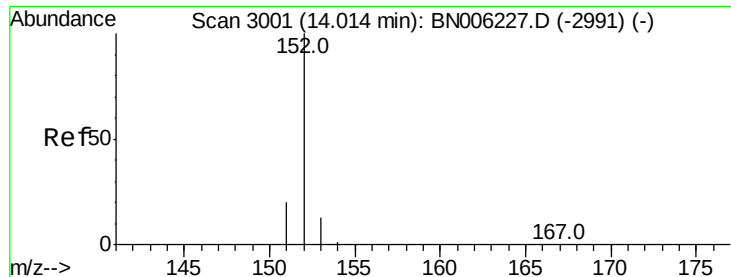
Acq: 10 Jun 2019 18:52

Tgt Ion:	142	Resp:	756
Ion Ratio	Lower	Upper	
142	100		
141	84.1	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: 0.099 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Instrument :

BNA_N

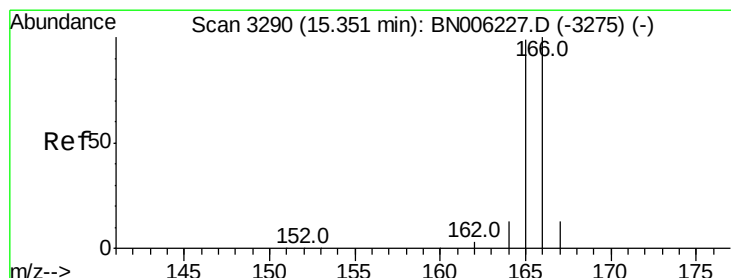
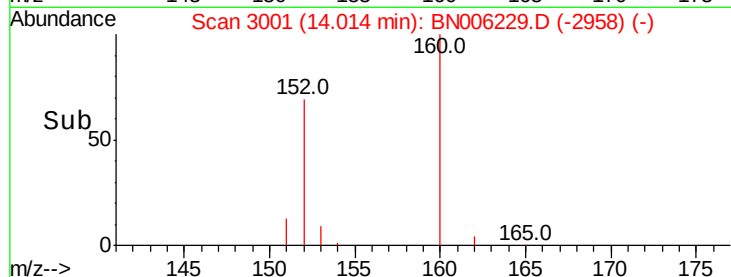
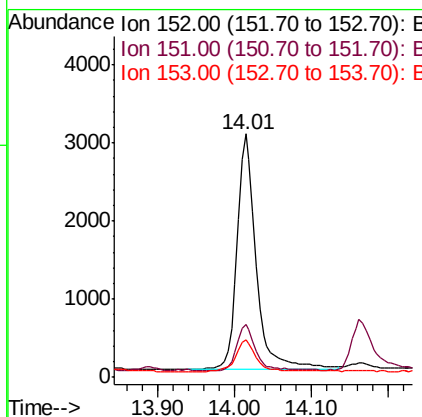
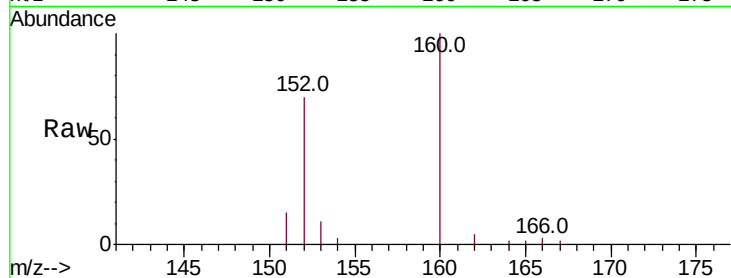
ClientSampleId :

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Tot Ion:	152	Resp:	5281
Ion Ratio	Lower	Upper	
152	100		
151	21.8	15.8	23.8
153	15.5	10.8	16.2

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#9

Fluorene

Concen: 0.028 ng/ul

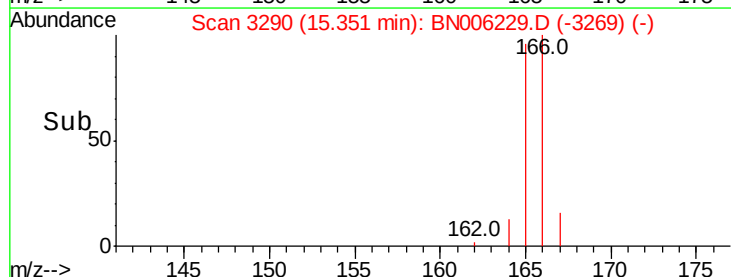
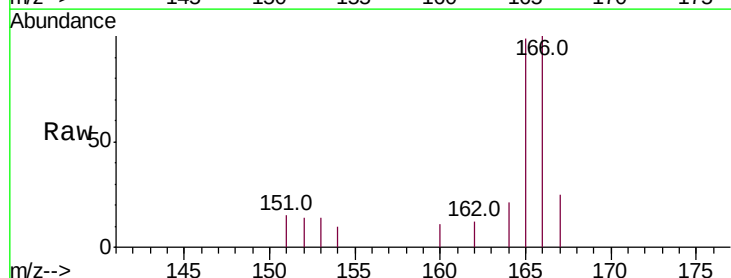
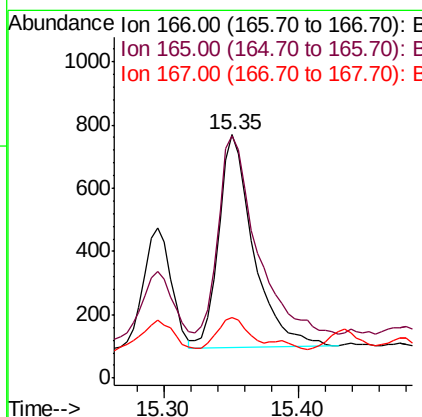
RT: 15.35 min Scan# 3290

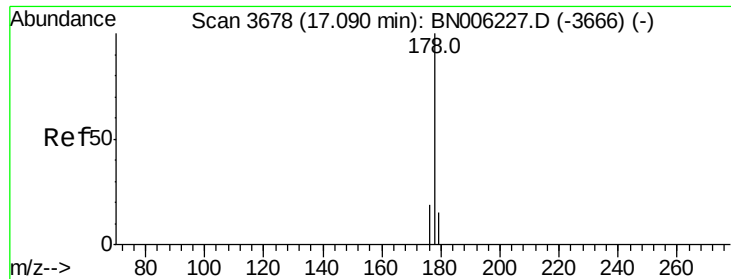
Delta R.T. -0.00 min

Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Tgt Ion:	166	Resp:	1219
Ion Ratio	Lower	Upper	
166	100		
165	99.5	76.4	114.6
167	25.0	11.0	16.6#





#12

Phenanthrene

Concen: 0.486 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006229.D

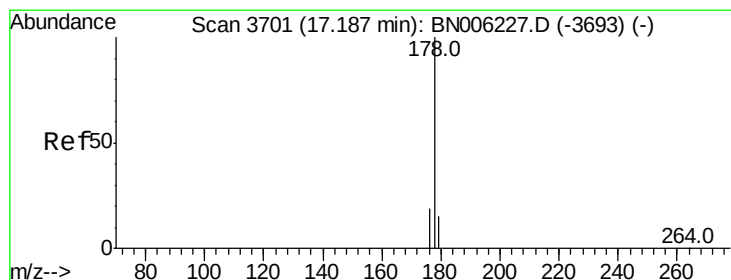
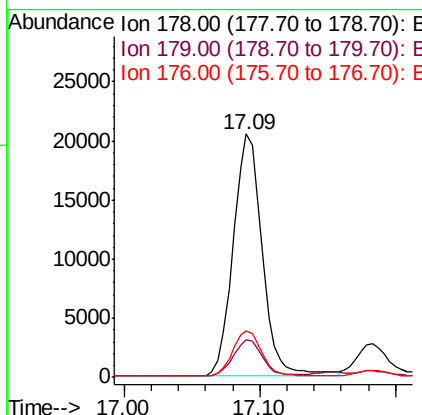
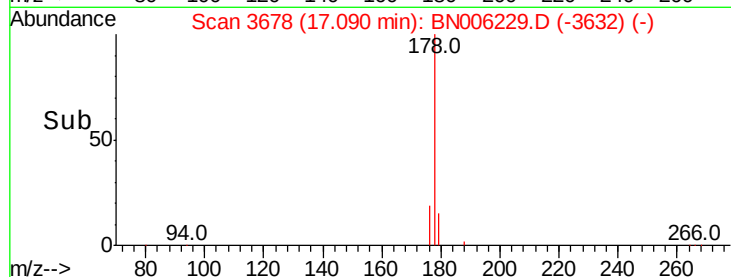
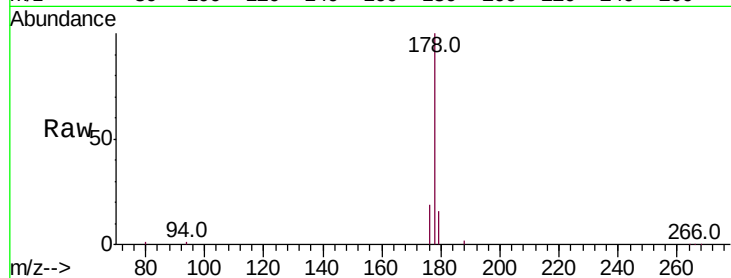
Acq: 10 Jun 2019 18:52

Instrument :
BNA_N
ClientSampled :
A51E2DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.3	15.3	22.9

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#13

Anthracene

Concen: 0.077 ng/ul

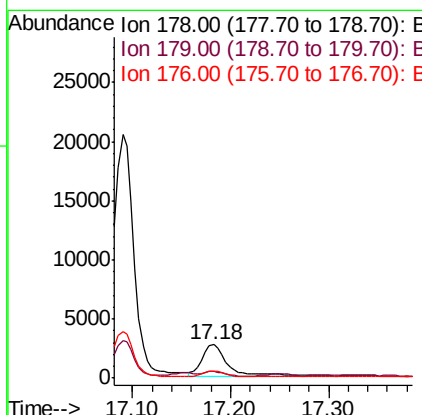
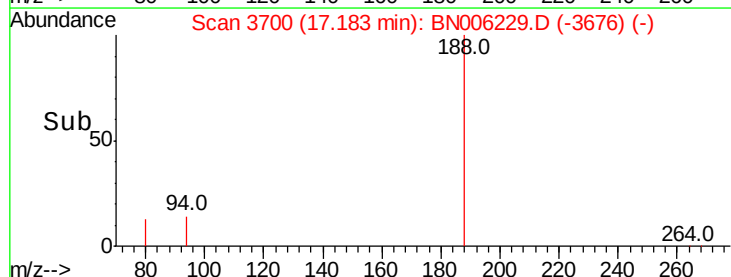
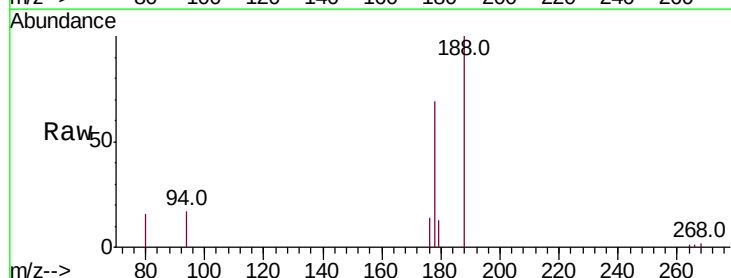
RT: 17.18 min Scan# 3700

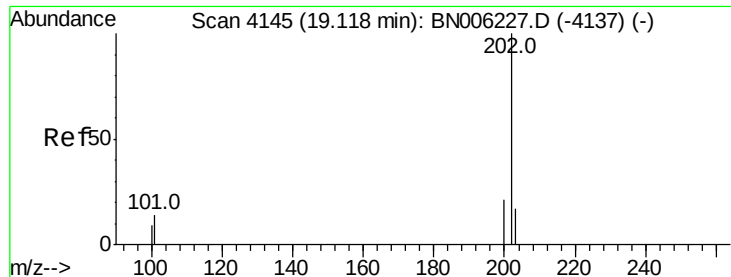
Delta R.T. -0.00 min

Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.4	12.2	18.4#
176	20.6	15.1	22.7





#15

Fluoranthene

Concen: 0.903 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Instrument :

BNA_N

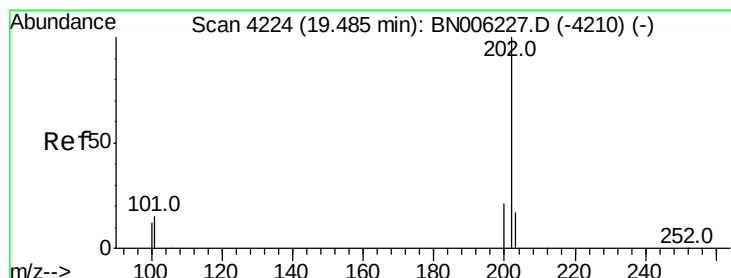
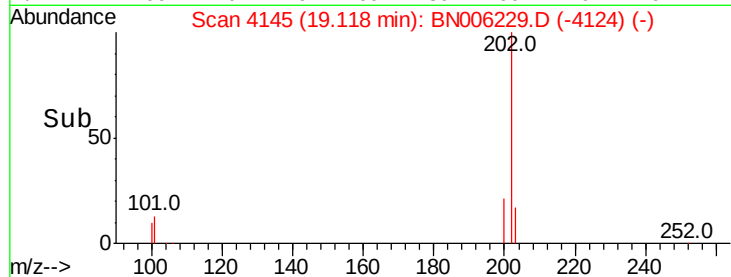
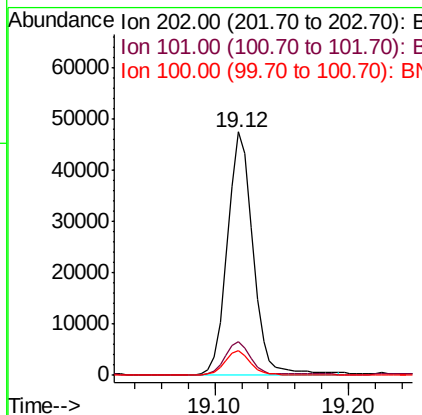
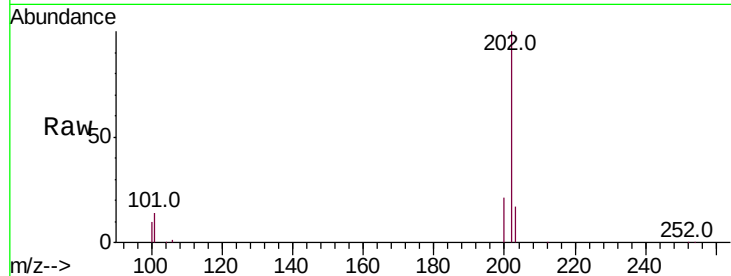
ClientSampleId :

A51E2DL

Tot Ion:	202	Resp:	62707
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	32.1
100	9.9	0.0	28.7

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#17

Pyrene

Concen: 0.697 ng/ul

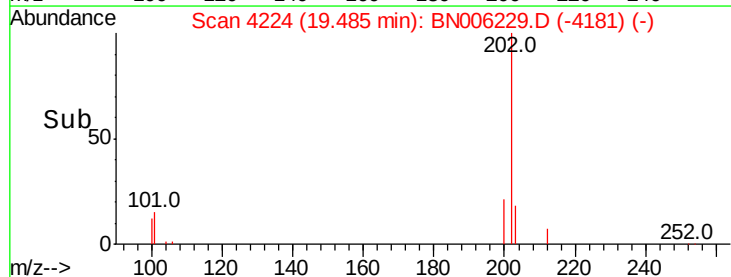
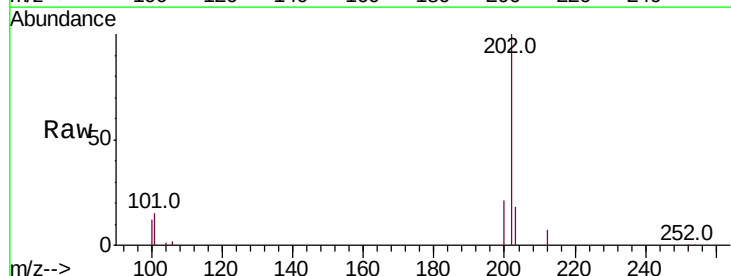
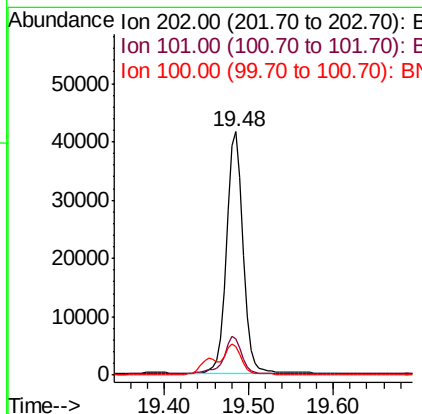
RT: 19.48 min Scan# 4224

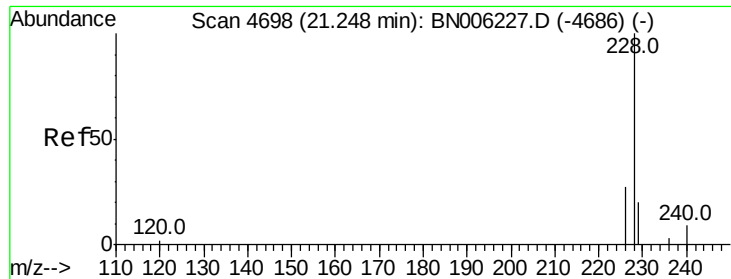
Delta R.T. -0.00 min

Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Tgt Ion:	202	Resp:	58180
Ion Ratio	Lower	Upper	
202	100		
101	15.0	12.2	18.2
100	11.6	9.8	14.6





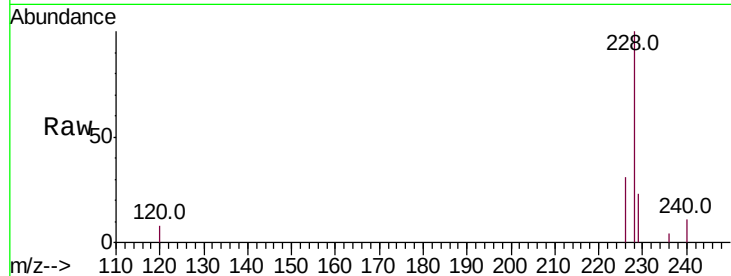
#18
Benzo(a)anthracene
Concen: 0.260 ng/ul
RT: 21.25 min Scan# 4697
Delta R.T. -0.00 min
Lab File: BN006229.D
Acq: 10 Jun 2019 18:52

Instrument :
BNA_N
ClientSampleId :
A51E2DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.2	16.5	24.7
226	31.4	22.8	34.2

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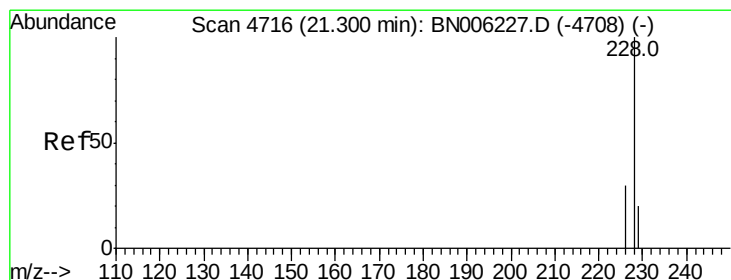
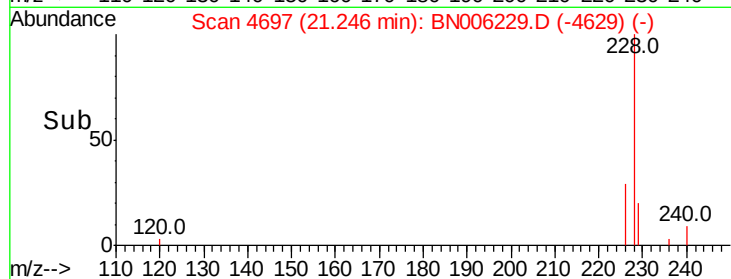
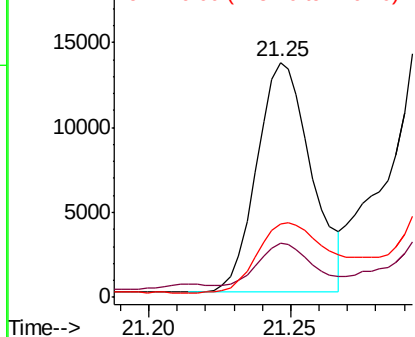


Abundance

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: 0.484 ng/ul
RT: 21.30 min Scan# 4715
Delta R.T. -0.00 min
Lab File: BN006229.D
Acq: 10 Jun 2019 18:52

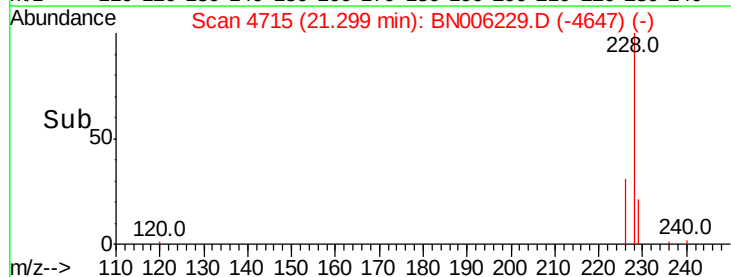
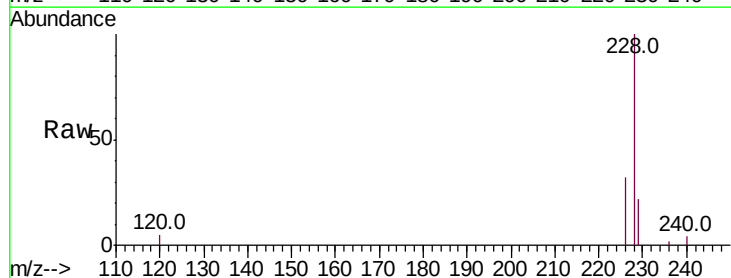
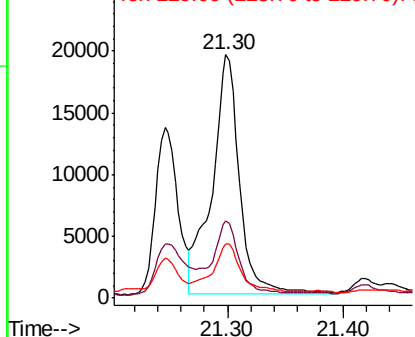
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.4	16.3	24.5

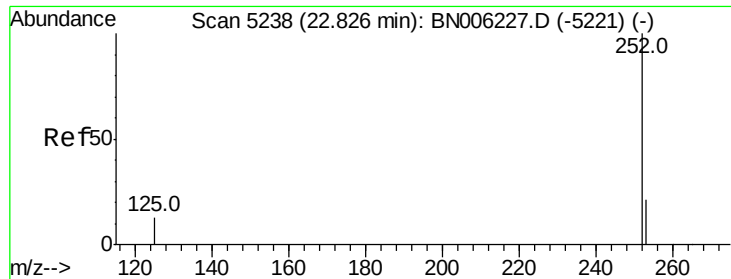
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





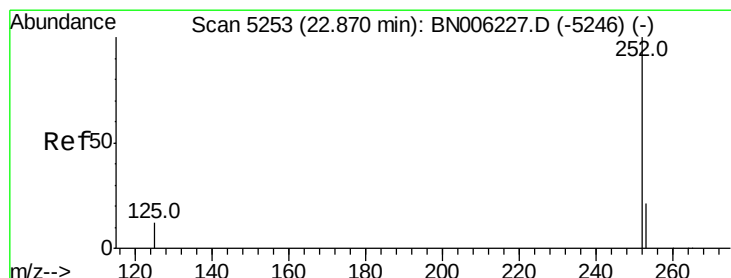
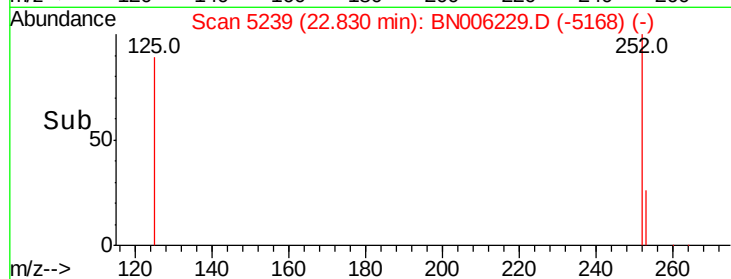
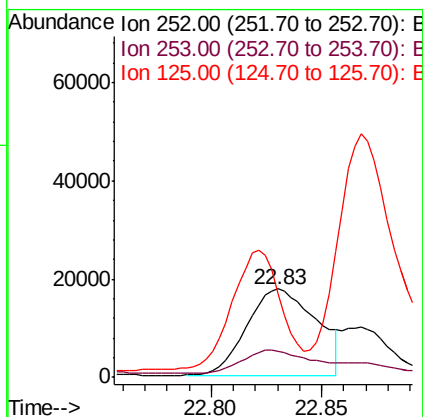
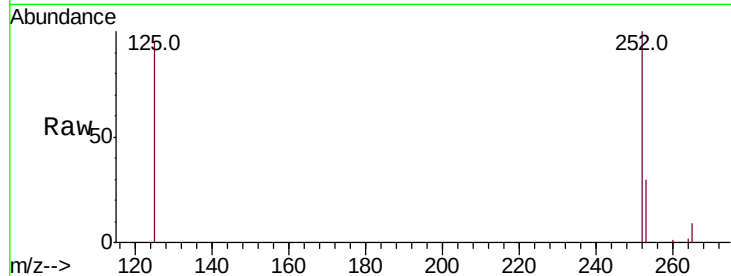
#21
Benzo(b)fluoranthene
Concen: 0.497 ng/ul m
RT: 22.83 min Scan# 5239
Delta R.T. 0.01 min
Lab File: BN006229.D
Acq: 10 Jun 2019 18:52

Instrument :
BNA_N
ClientSampleId :
A51E2DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	29.6	0.0	51.4
125	94.5	0.0	41.0#

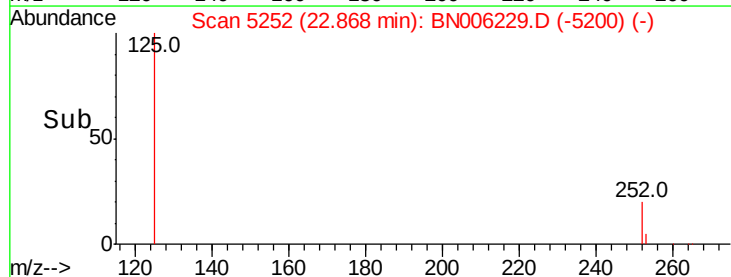
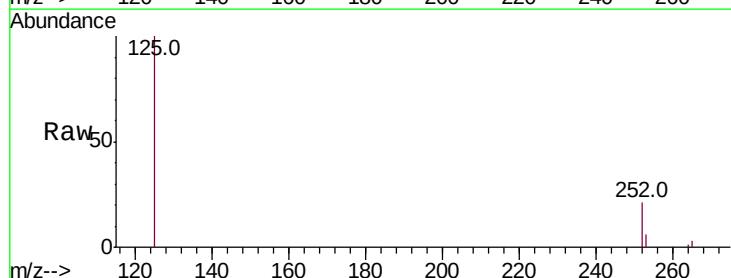
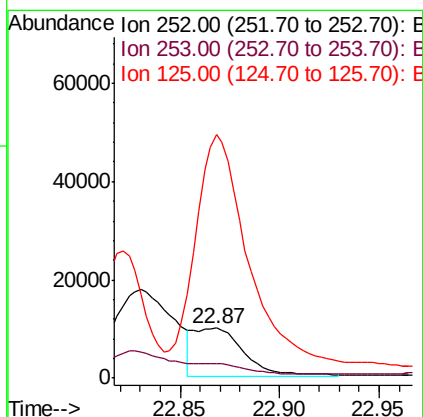
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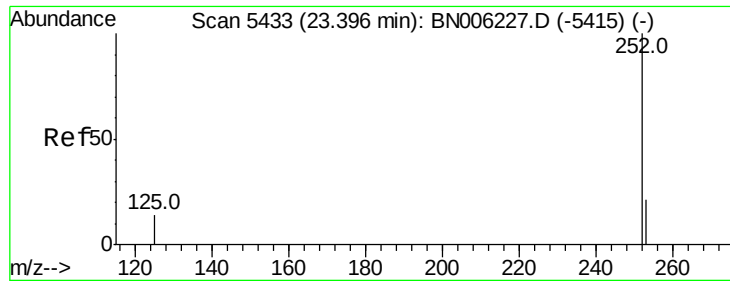
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#22
Benzo(k)fluoranthene
Concen: 0.230 ng/ul m
RT: 22.87 min Scan# 5252
Delta R.T. 0.00 min
Lab File: BN006229.D
Acq: 10 Jun 2019 18:52

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	29.0	20.3	30.5
125	484.4	14.3	21.5#





#23

Benzo(a)pyrene

Concen: 0.326 ng/ul

RT: 23.40 min Scan# 5433

Delta R.T. 0.00 min

Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Instrument :

BNA_N

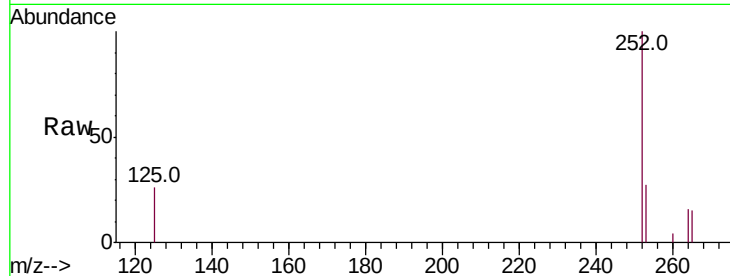
ClientSampleId :

A51E2DL

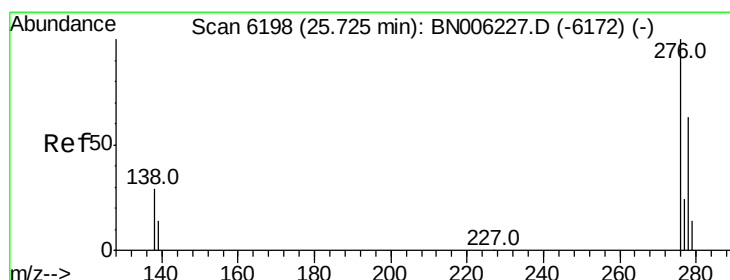
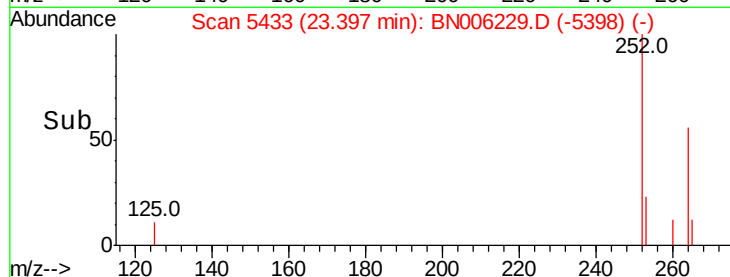
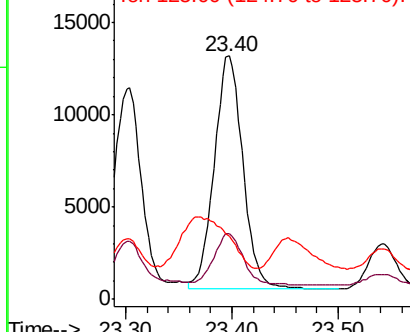
Tot Ion:	252	Resp:	23762
Ion Ratio	Lower	Upper	
252	100		
253	27.0	21.1	31.7
125	25.8	20.3	30.5

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.260 ng/ul

RT: 25.73 min Scan# 6199

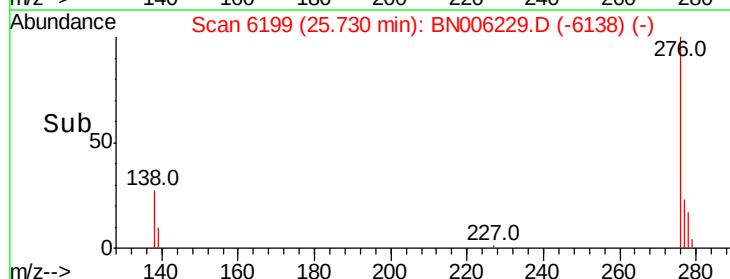
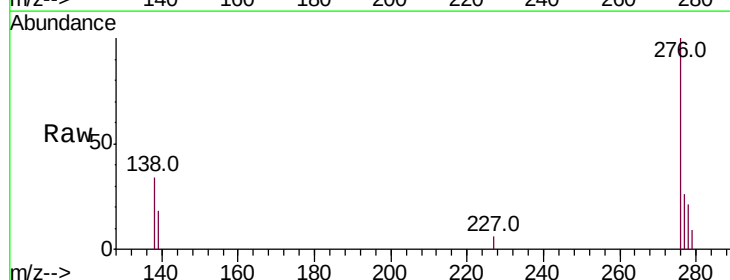
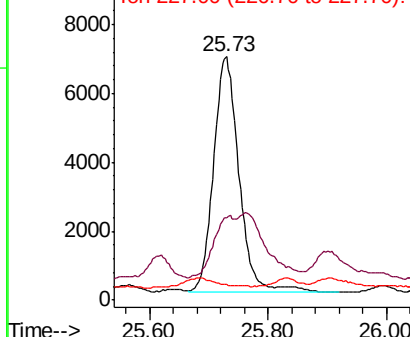
Delta R.T. 0.00 min

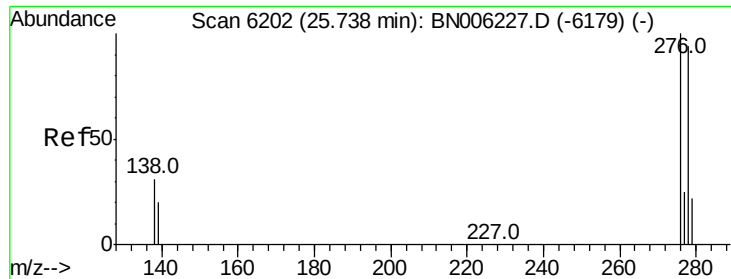
Lab File: BN006229.D

Acq: 10 Jun 2019 18:52

Tgt Ion:	276	Resp:	20490
Ion Ratio	Lower	Upper	
276	100		
138	0.0	25.6	38.4#
227	0.0	0.3	0.5#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





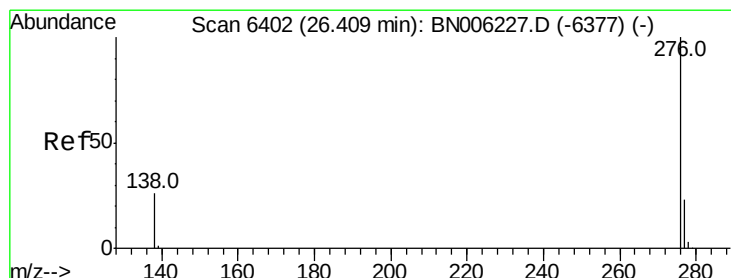
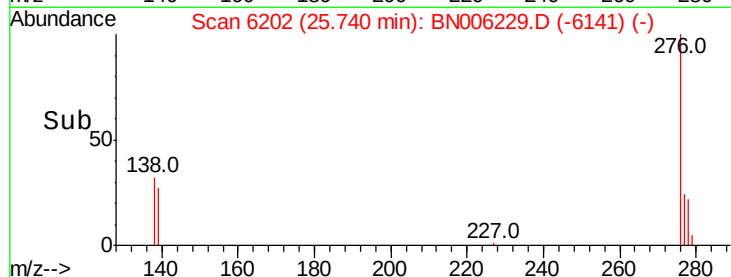
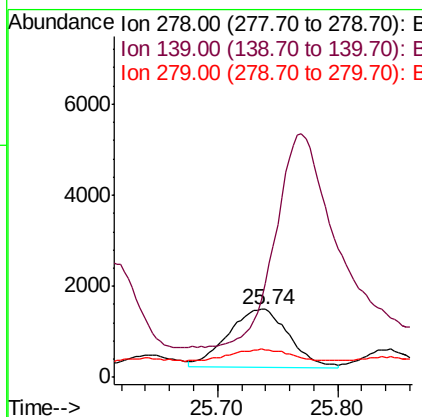
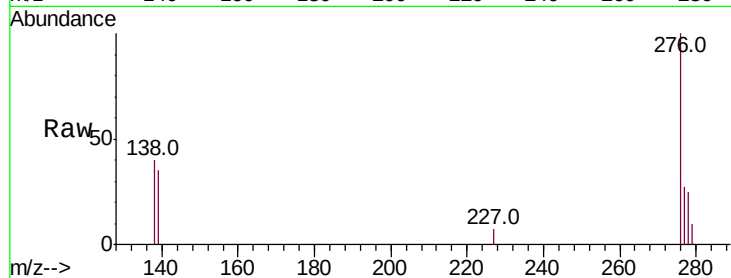
#25
Dibenzo(a,h)anthracene
Concen: 0.070 ng/ul
RT: 25.74 min Scan# 6202
Delta R.T. 0.00 min
Lab File: BN006229.D
Acq: 10 Jun 2019 18:52

Instrument :
BNA_N
ClientSampleId :
A51E2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	137.7	21.2	31.8#
279	41.1	22.6	33.8#

Manual Integrations
APPROVED

mohammad
6/11/2019 4:28:23 PM



#26
Benzo(g,h,i)perylene
Concen: 0.302 ng/ul
RT: 26.41 min Scan# 6402
Delta R.T. 0.01 min
Lab File: BN006229.D
Acq: 10 Jun 2019 18:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.5	24.2	36.4
277	25.4	21.5	32.3

