

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062419\
 Data File : BN006577.D
 Acq On : 25 Jun 2019 19:08
 Operator : HP/JU
 Sample : K3388-07DL 5X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4218DL

Manual Integrations
 APPROVED

mohammad
 6/26/2019 8:12:49 AM

Quant Time: Jun 26 01:10:43 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 : Tue Jun 25 07:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5802	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	21862	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10385	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	19115	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	10621	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	11111m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1002	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	1704	0.03	ng/ul	0.00
Target Compounds				Ovalue		
8) Acenaphthene	14.34	153	2305	0.058	ng/ul	99
9) Fluorene	15.34	166	4237	0.090	ng/ul	97
12) Phenanthrene	17.08	178	120084	1.957	ng/ul	99
13) Anthracene	17.17	178	28893	0.493	ng/ul	99
15) Fluoranthene	19.11	202	252069	3.720	ng/ul	99
17) Pyrene	19.47	202	193726	3.463	ng/ul	99
18) Benzo(a)anthracene	21.24	228	92327	1.965	ng/ul	99
19) Chrysene	21.29	228	102944	2.334	ng/ul	100
21) Benzo(b)fluoranthene	22.82	252	129688m	2.799	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	45887m	1.017	ng/ul	
23) Benzo(a)pyrene	23.39	252	86479	2.004	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.72	276	63891	1.368	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.73	278	15014	0.402	ng/ul	99
26) Benzo(g,h,i)perylene	26.41	276	56636	1.448	ng/ul	95

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

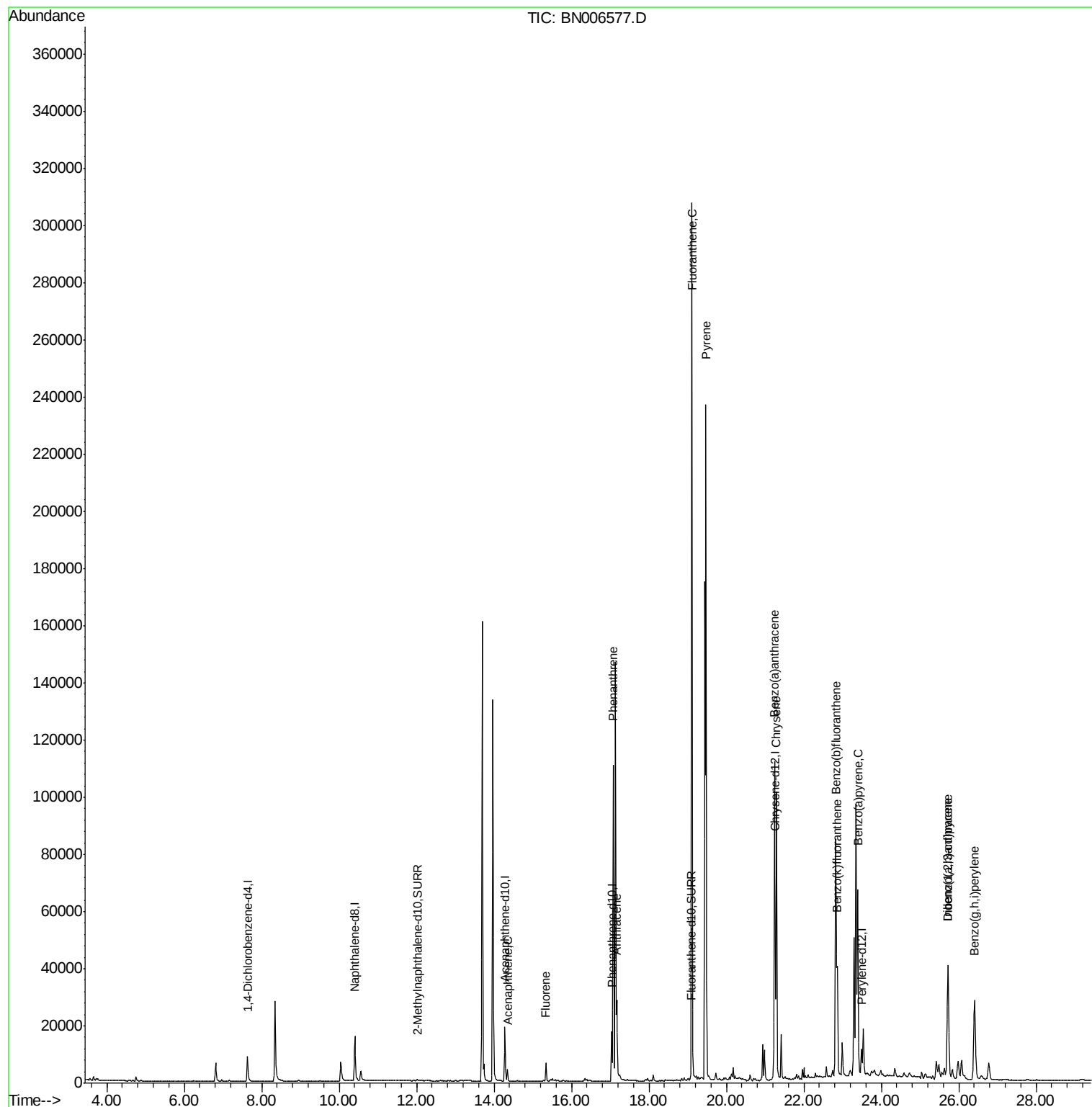
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062419\
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Misc :
ALS Vial : 54 Sample Multiplier: 1

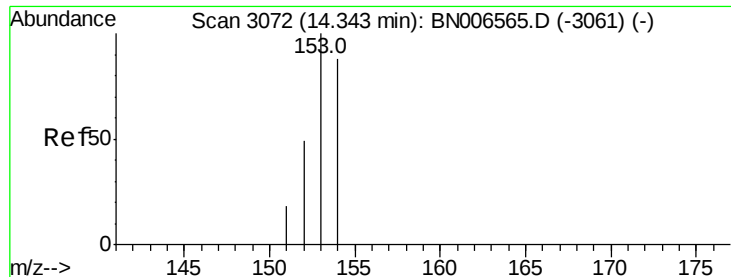
Instrument :
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A4218DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
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QLast Update : Tue Jun 25 07:15:41 2019
Response via : Initial Calibration





#8

Acenaphthene

Concen: 0.058 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

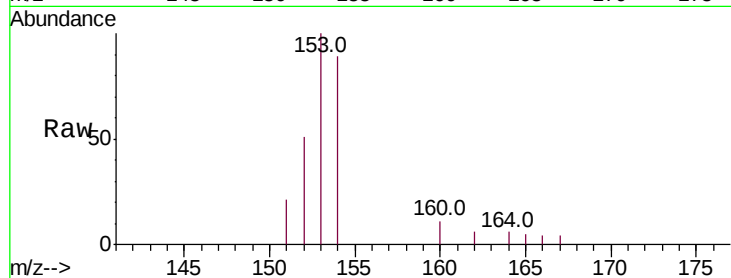
ClientSampleId :

A4218DL

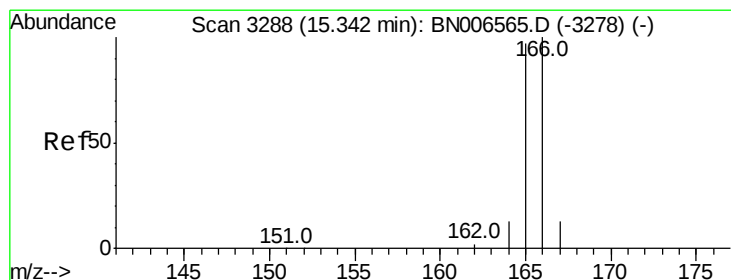
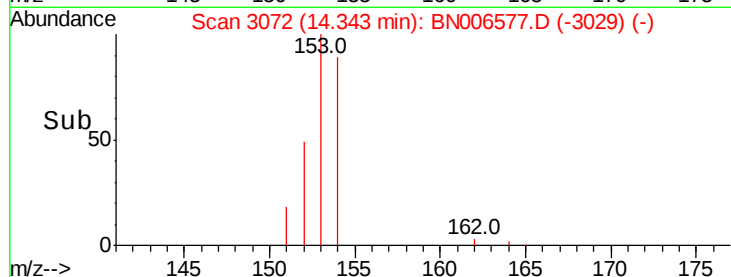
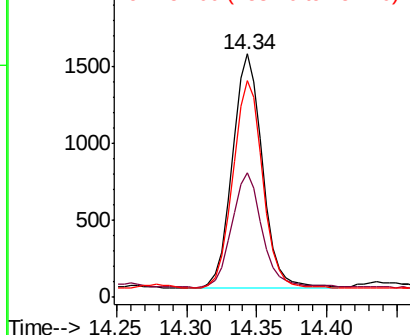
Tot Ion:	153	Resp:	2305
Ion Ratio	Lower	Upper	
153	100		
152	51.2	39.1	58.7
154	89.2	71.1	106.7

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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: 0.090 ng/ul

RT: 15.34 min Scan# 3287

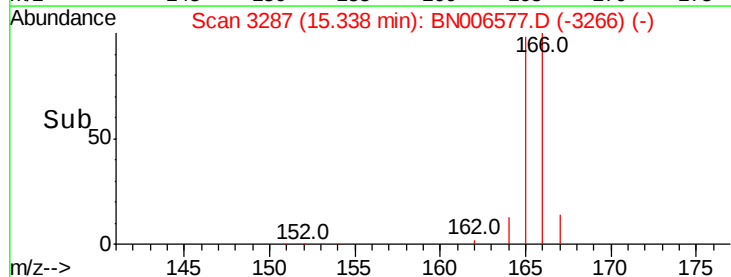
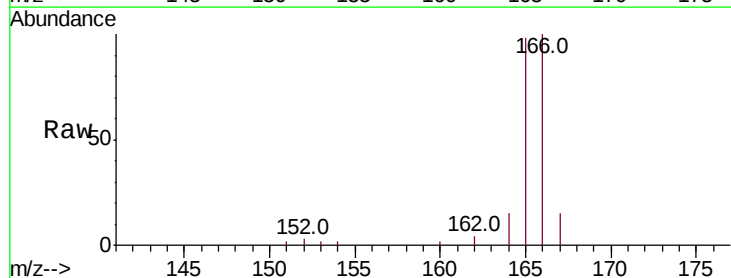
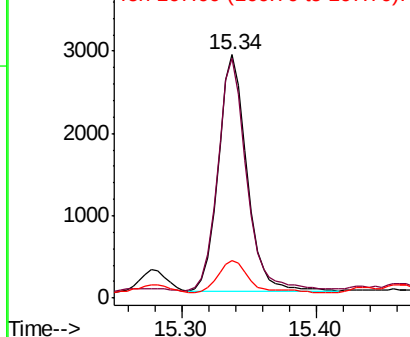
Delta R.T. -0.00 min

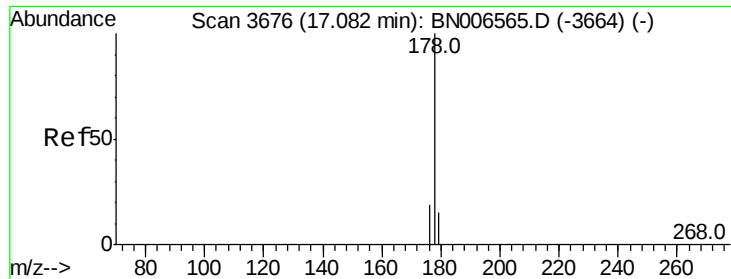
Lab File: BN006577.D

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Tgt Ion:	166	Resp:	4237
Ion Ratio	Lower	Upper	
166	100		
165	98.5	76.4	114.6
167	15.4	11.0	16.6

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: 1.957 ng/ul

RT: 17.08 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

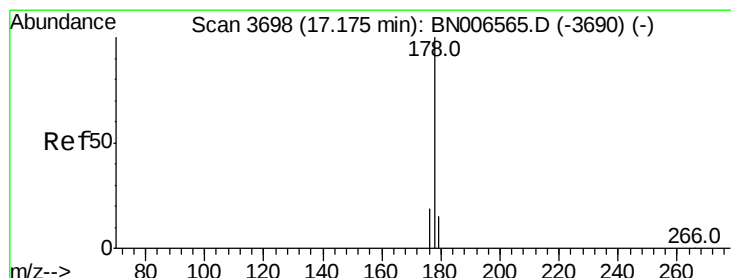
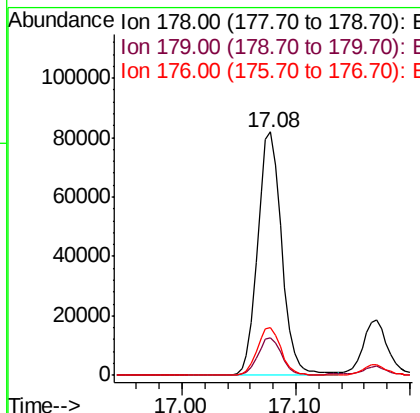
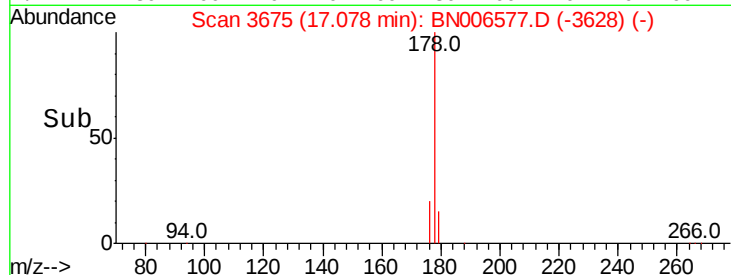
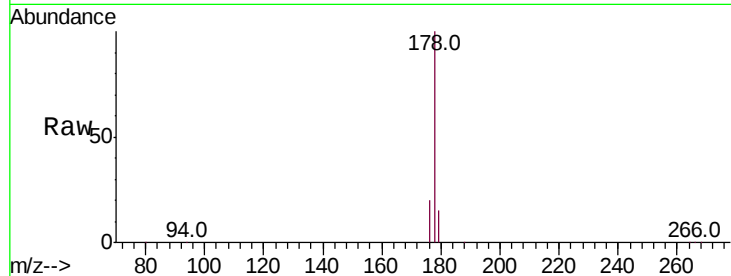
ClientSampled :

A4218DL

Tot Ion:	178	Resp:	120084
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.3	18.5
176	19.6	15.3	22.9

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#13

Anthracene

Concen: 0.493 ng/ul

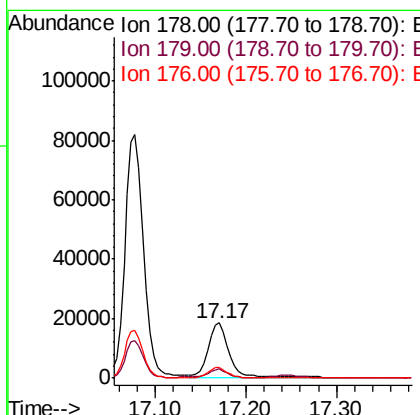
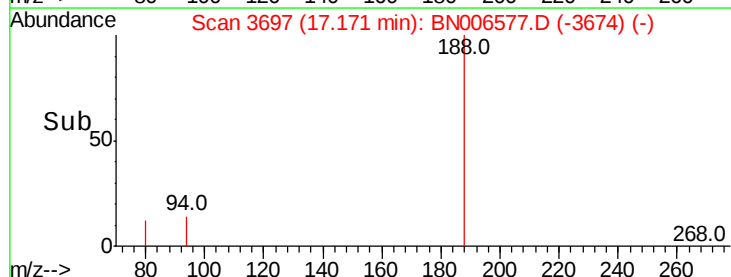
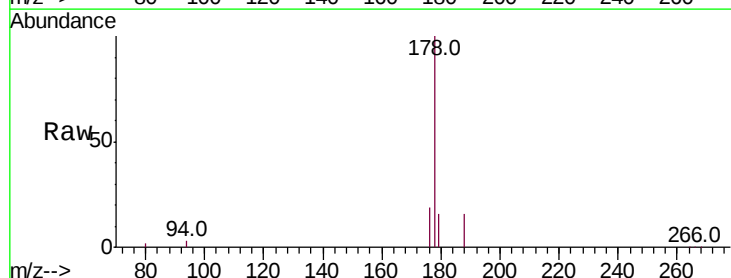
RT: 17.17 min Scan# 3697

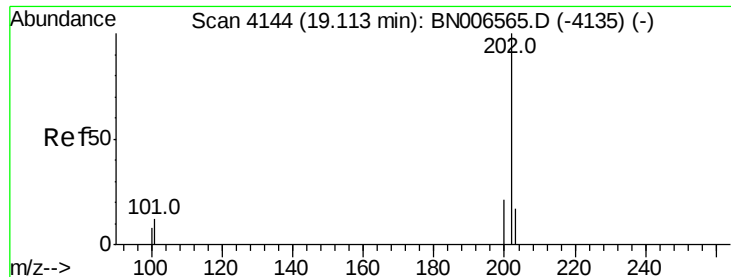
Delta R.T. -0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Tgt Ion:	178	Resp:	28893
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.2	18.4
176	18.7	15.1	22.7





#15

Fluoranthene

Concen: 3.720 ng/ul

RT: 19.11 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

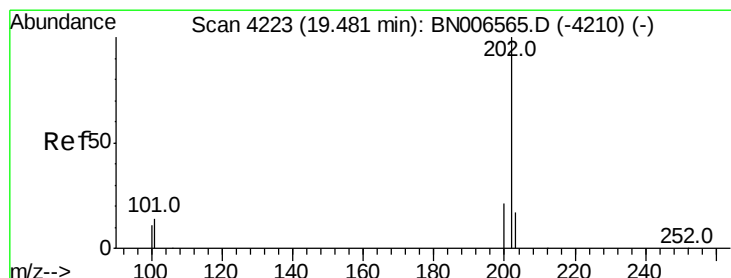
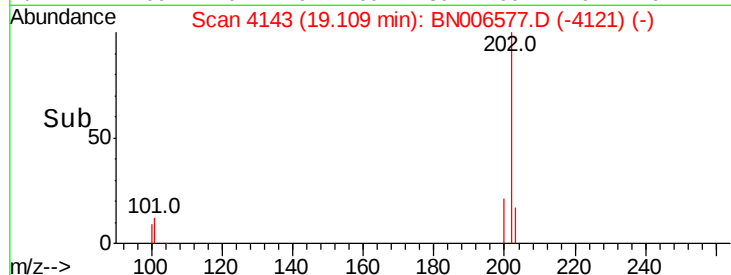
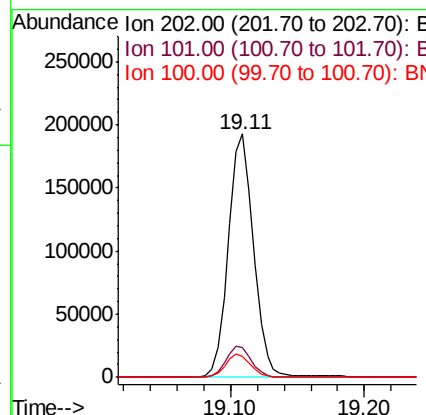
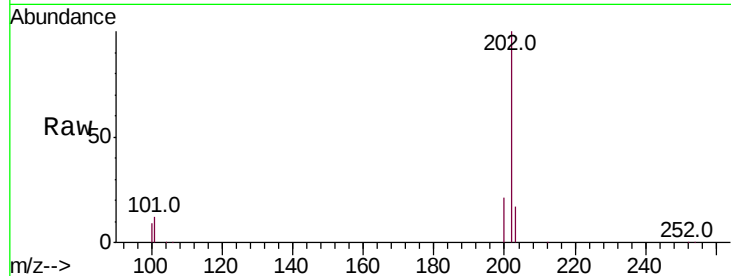
ClientSampled :

A4218DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	252069		
101	12.4	0.0	32.1	
100	8.8	0.0	28.7	

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#17

Pyrene

Concen: 3.463 ng/ul

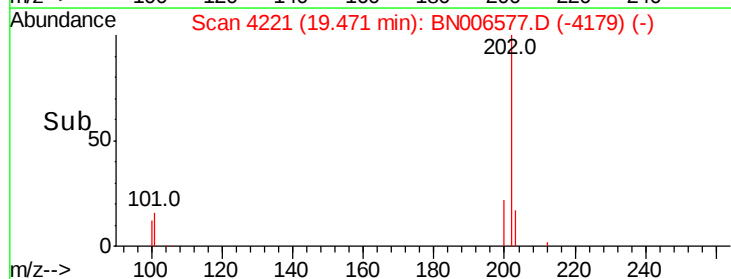
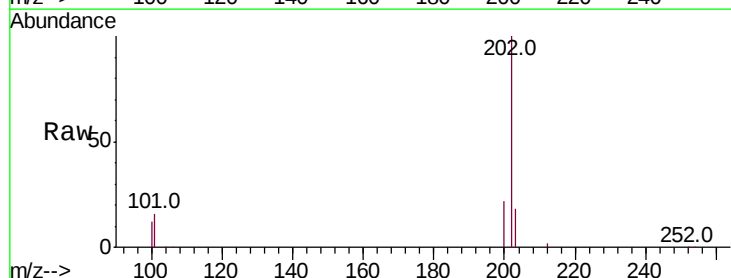
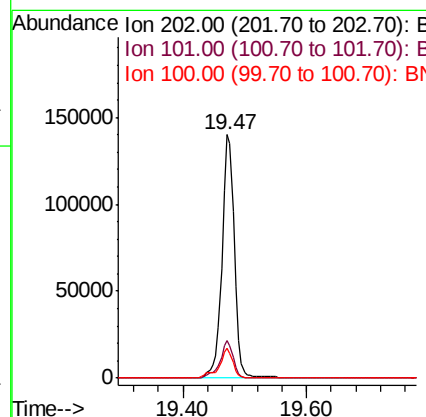
RT: 19.47 min Scan# 4221

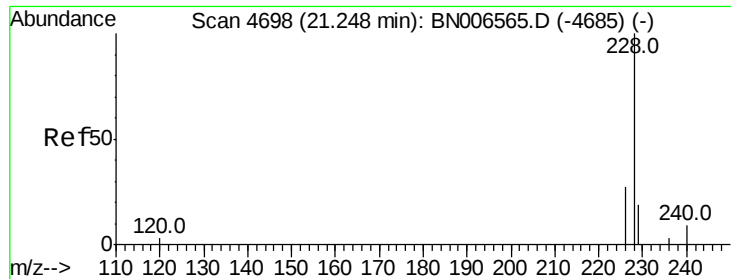
Delta R.T. -0.00 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	193726		
101	15.6	12.2	18.2	
100	12.2	9.8	14.6	





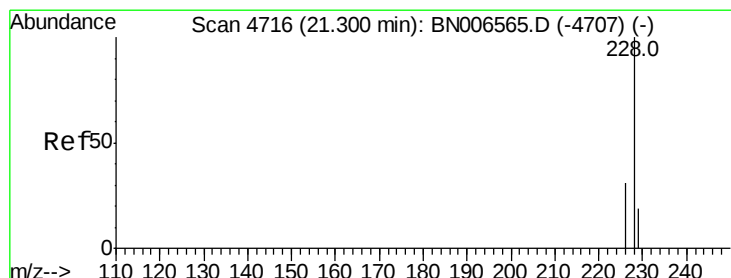
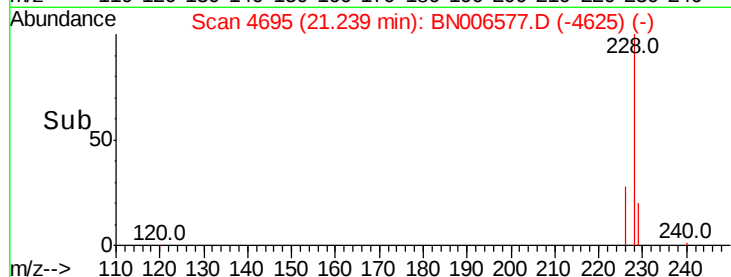
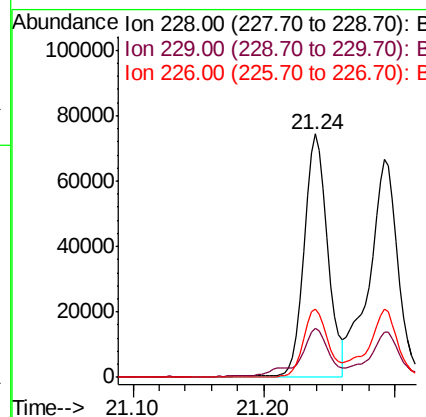
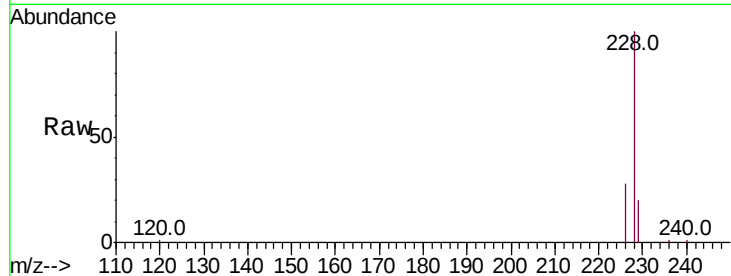
#18
Benzo(a)anthracene
Concen: 1.965 ng/ul
RT: 21.24 min Scan# 4695
Delta R.T. 0.00 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

Instrument :
BNA_N
ClientSampled :
A4218DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.4	16.5	24.7
226	27.9	22.8	34.2

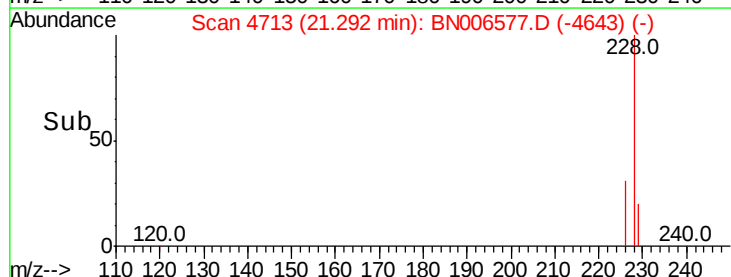
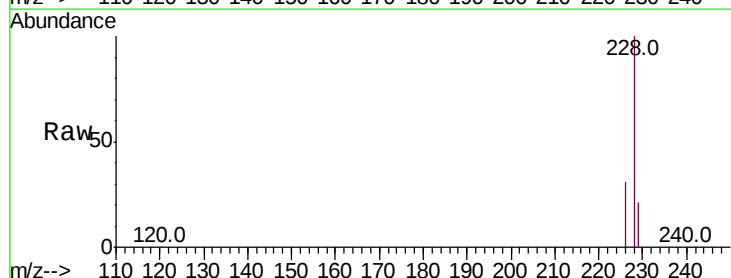
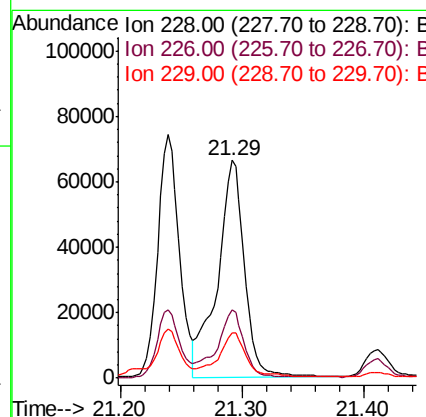
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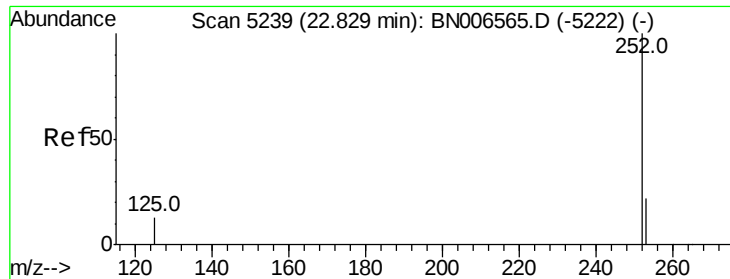
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#19
Chrysene
Concen: 2.334 ng/ul
RT: 21.29 min Scan# 4713
Delta R.T. 0.00 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	20.8	16.3	24.5





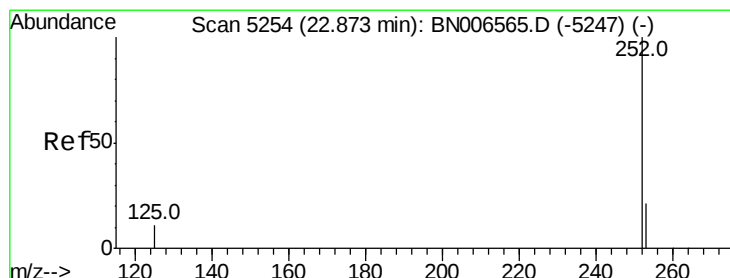
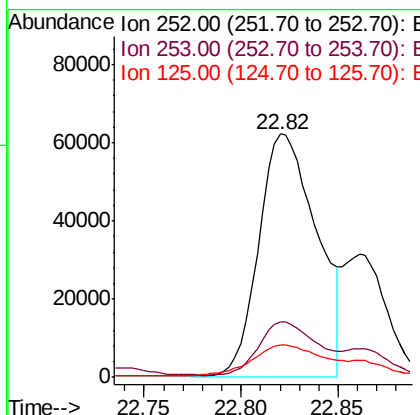
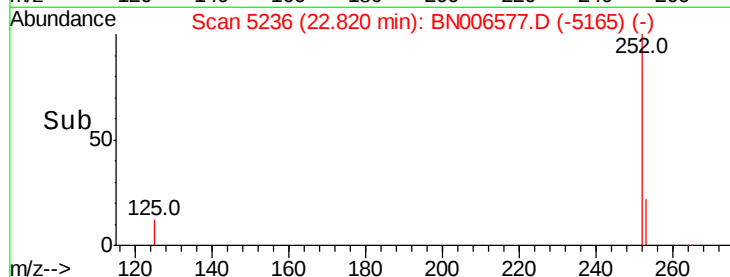
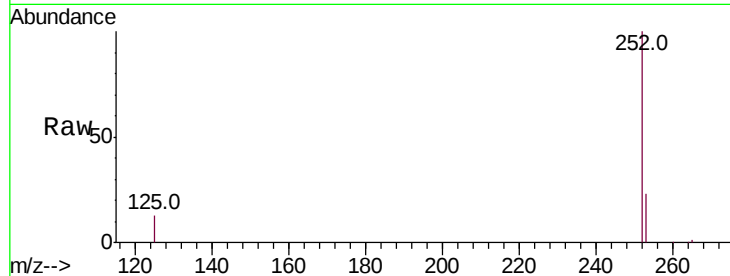
#21
Benzo(b)fluoranthene
Concen: 2.799 ng/ul m
RT: 22.82 min Scan# 5236
Delta R.T. 0.01 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

Instrument :
BNA_N
ClientSampleId :
A4218DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	0.0	51.4
125	13.1	0.0	41.0

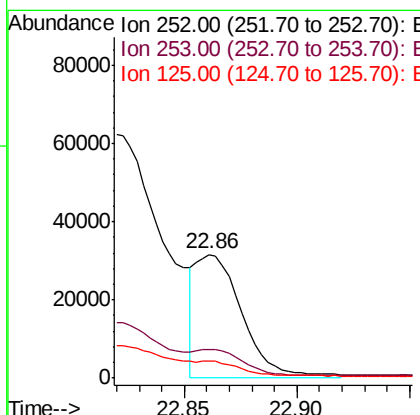
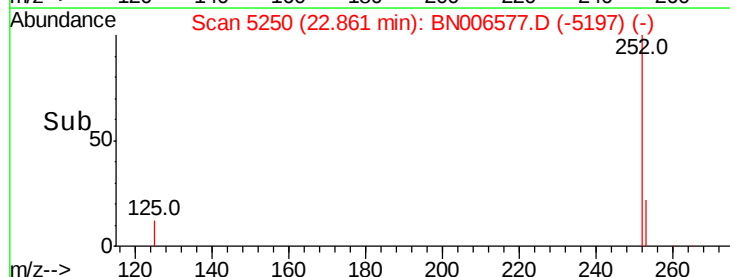
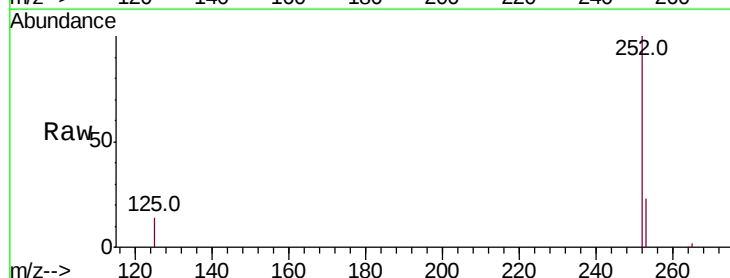
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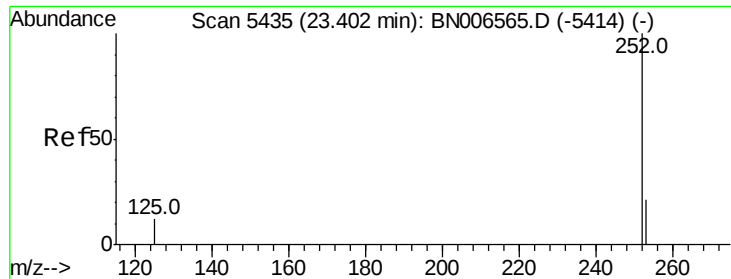
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#22
Benzo(k)fluoranthene
Concen: 1.017 ng/ul m
RT: 22.86 min Scan# 5250
Delta R.T. 0.01 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	20.3	30.5
125	13.5	14.3	21.5#





#23

Benzo(a)pyrene

Concen: 2.004 ng/ul

RT: 23.39 min Scan# 5431

Delta R.T. 0.01 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Instrument :

BNA_N

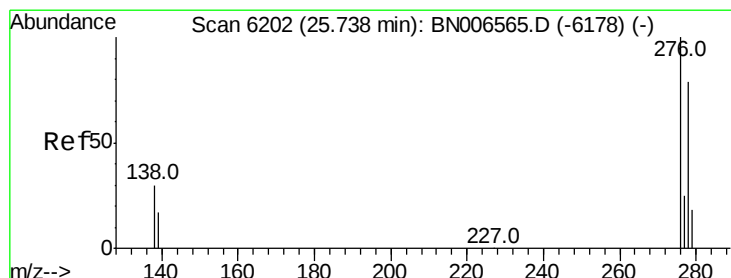
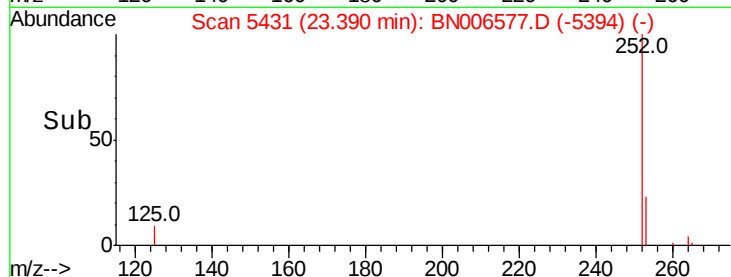
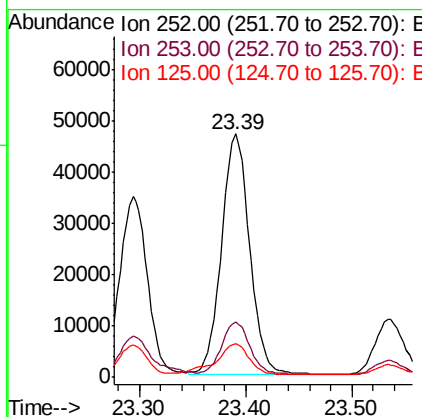
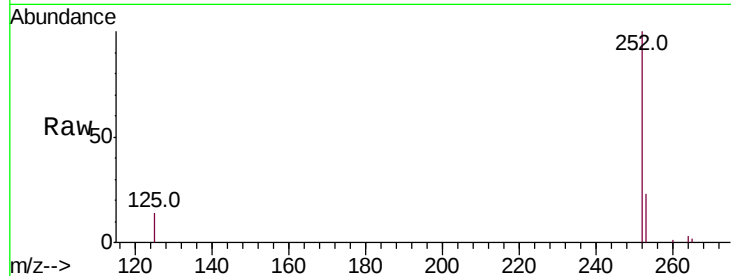
ClientSampleId :

A4218DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	21.1	31.7
125	13.8	20.3	30.5#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 1.368 ng/ul

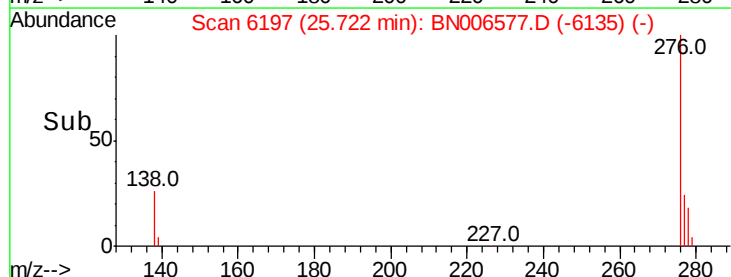
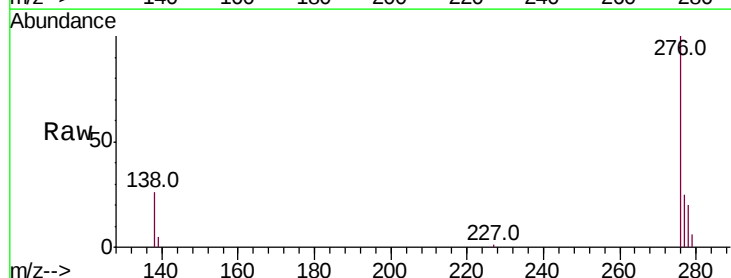
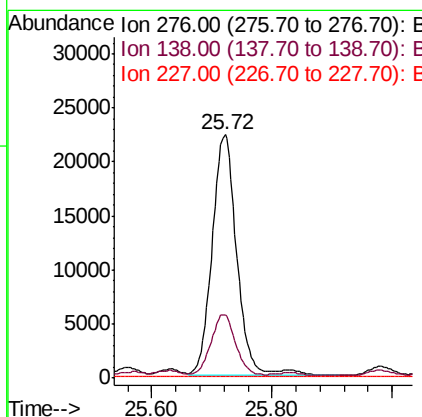
RT: 25.72 min Scan# 6197

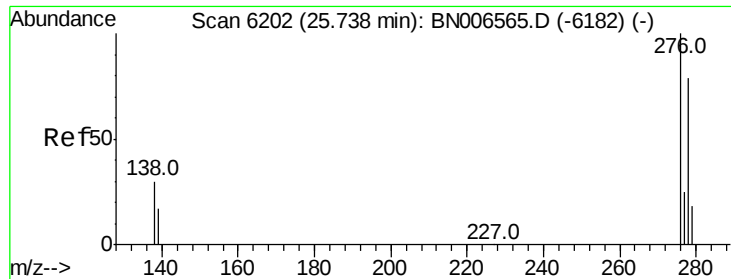
Delta R.T. 0.01 min

Lab File: BN006577.D

Acq: 25 Jun 2019 19:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	25.6	38.4#
227	0.2	0.3	0.5#





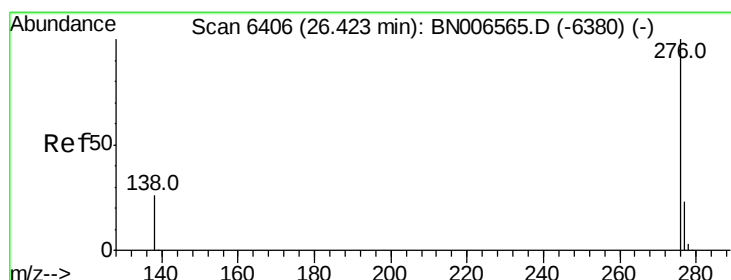
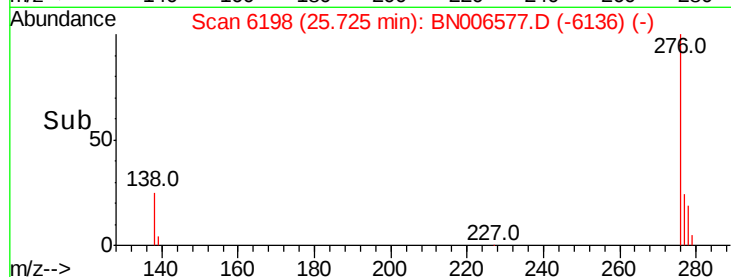
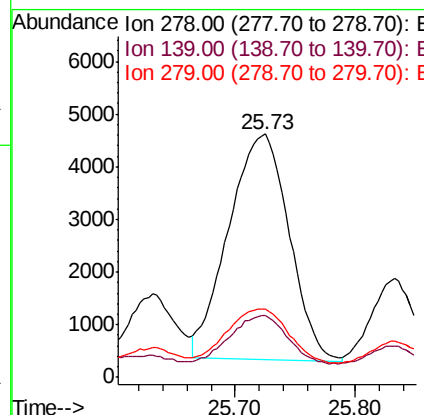
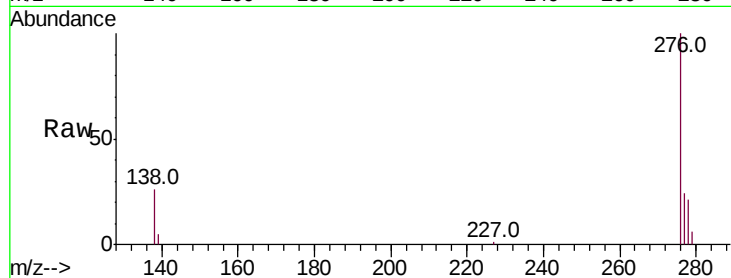
#25
Dibenzo(a,h)anthracene
Concen: 0.402 ng/u1
RT: 25.73 min Scan# 6198
Delta R.T. 0.01 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

Instrument :
BNA_N
ClientSampleId :
A4218DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.3	21.2	31.8
279	28.2	22.6	33.8

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#26
Benzo(g,h,i)perylene
Concen: 1.448 ng/u1
RT: 26.41 min Scan# 6401
Delta R.T. 0.01 min
Lab File: BN006577.D
Acq: 25 Jun 2019 19:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	24.2	36.4
277	24.5	21.5	32.3

