

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060619\
 Data File : BN0606176.D
 Acq On : 07 Jun 2019 20:29
 Operator : JU/SJ
 Sample : K3201-14DL 5X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC5DL

Manual Integrations
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 6/11/2019 5:08:50 PM

Quant Time: Jun 08 03:26:19 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	5464	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	20425	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10087	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	20130	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	17209	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	20752	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	867	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	1804	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.48	128	2738	0.049	ng/ul#	91
7) Acenaphthylene	14.01	152	2050	0.037	ng/ul#	69
8) Acenaphthene	14.36	153	2149	0.055	ng/ul	98
9) Fluorene	15.35	166	2556	0.056	ng/ul#	95
12) Phenanthrene	17.09	178	32716	0.506	ng/ul	99
13) Anthracene	17.18	178	8924	0.145	ng/ul	97
15) Fluoranthene	19.12	202	50844	0.713	ng/ul	99
17) Pyrene	19.49	202	44219	0.488	ng/ul	99
18) Benzo(a)anthracene	21.25	228	24435	0.321	ng/ul	98
19) Chrysene	21.30	228	22510	0.315	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	26975m	0.312	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	11097m	0.132	ng/ul	
23) Benzo(a)pyrene	23.40	252	18044	0.224	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.73	276	12463	0.143	ng/ul#	85
25) Dibenzo(a,h)anthracene	25.73	278	3327	0.048	ng/ul#	72
26) Benzo(a,h,i)perylene	26.41	276	9286	0.127	ng/ul	97

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

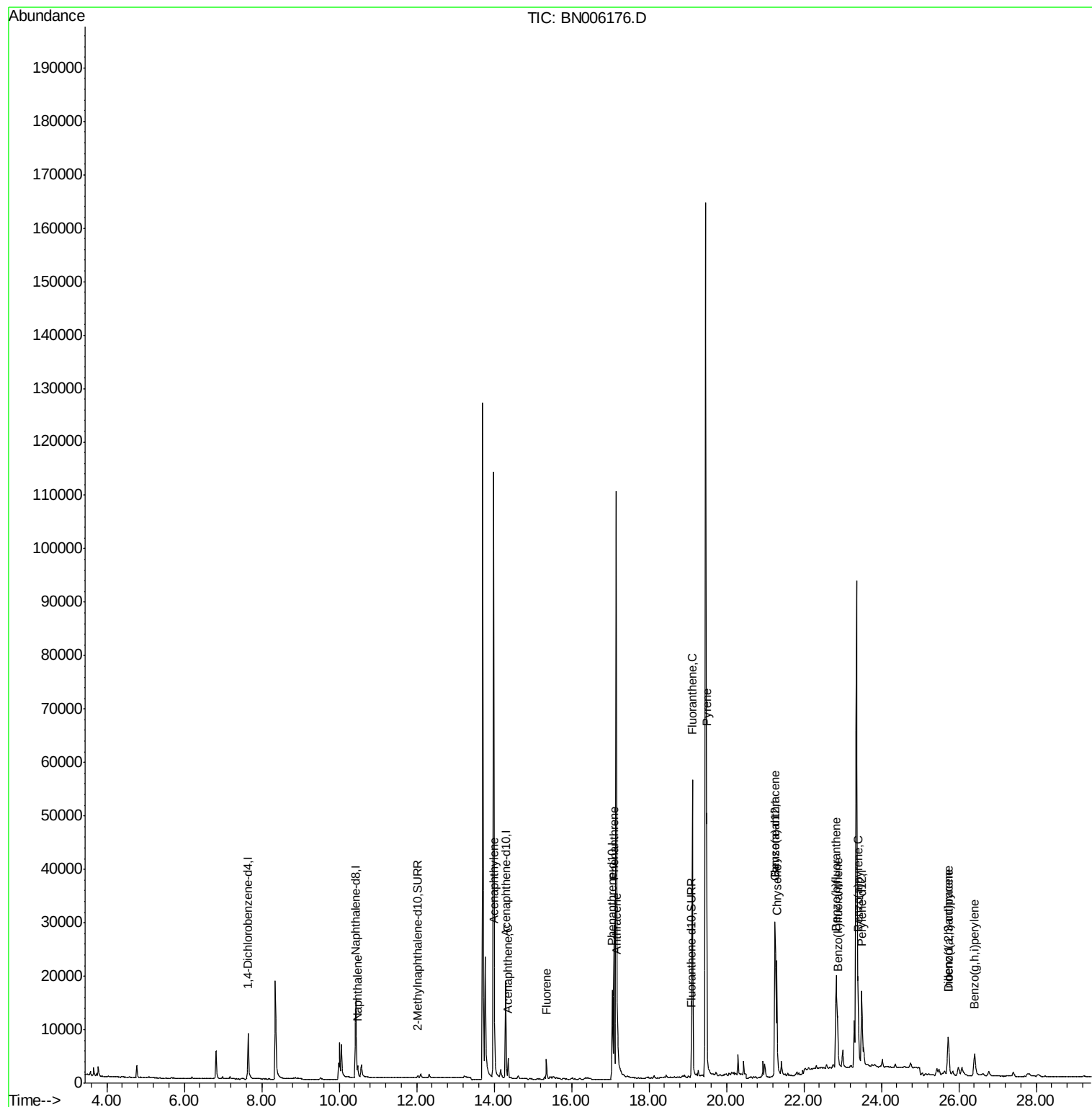
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060619\
Data File : BN006176.D
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Misc :
ALS Vial : 42 Sample Multiplier: 1

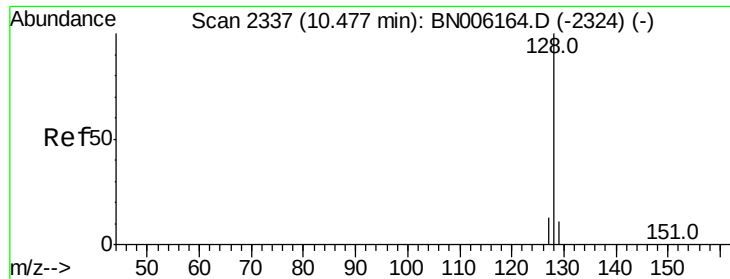
Instrument :
BNA_N
ClientSampleId :
C0AC5DL

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Quant Time: Jun 08 03:26:19 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





#3

Naphthalene

Concen: 0.049 ng/ul

RT: 10.48 min Scan# 2337

Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Instrument :

BNA_N

ClientSampleId :

C0AC5DL

Tot Ion:128 Resp: 2738

Ion Ratio Lower Upper

128 100

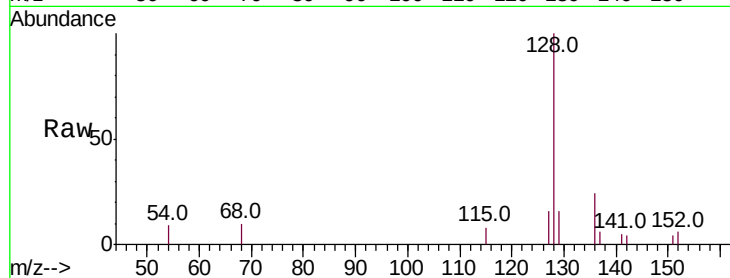
129 16.0 9.3 13.9#

127 16.2 10.7 16.1#

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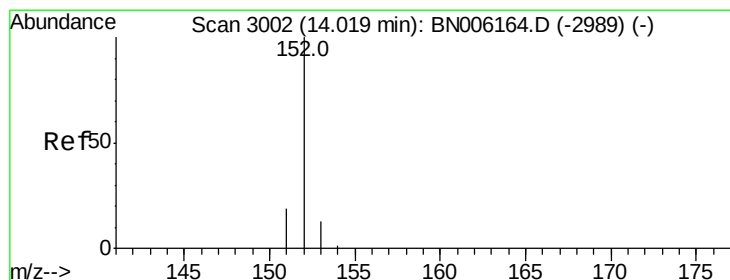
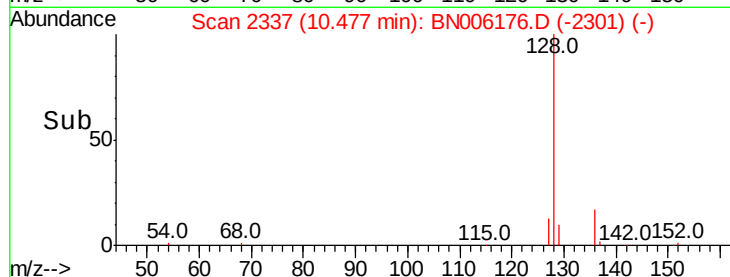
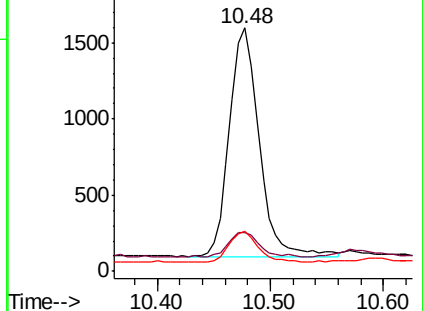
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

Acenaphthylene

Concen: 0.037 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

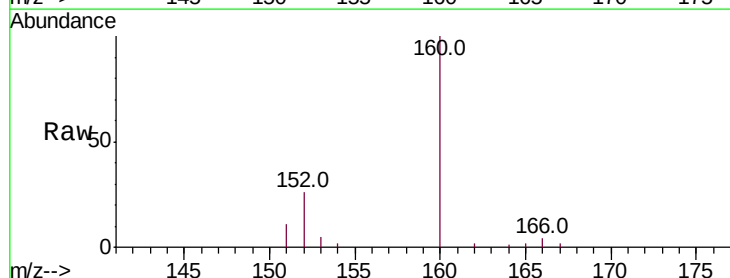
Tgt Ion:152 Resp: 2050

Ion Ratio Lower Upper

152 100

151 40.3 15.8 23.8#

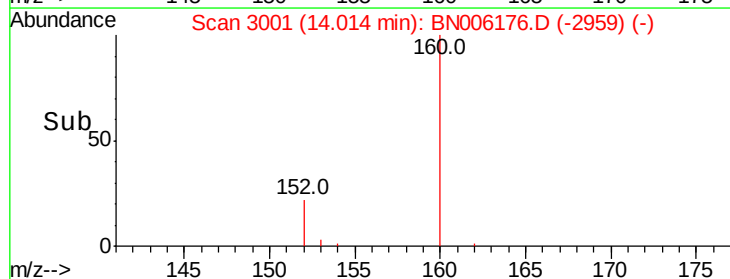
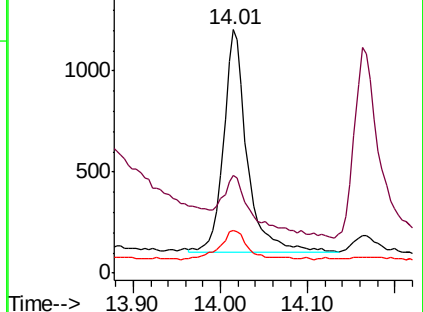
153 17.7 10.8 16.2#

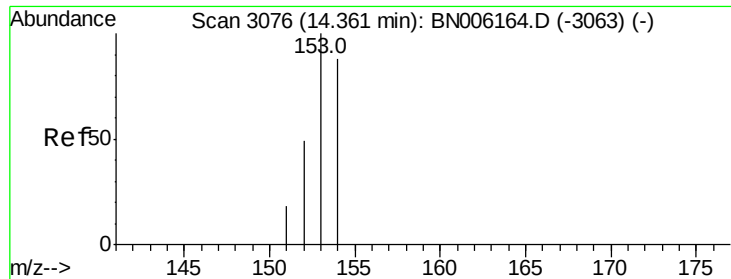


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.055 ng/ul

RT: 14.36 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Instrument :

BNA_N

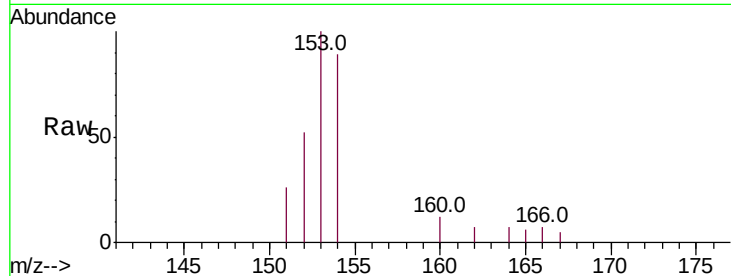
ClientSampleId :

C0AC5DL

Tot Ion:	153	Resp:	2149
Ion	Ratio	Lower	Upper
153	100		
152	51.7	39.1	58.7
154	89.5	71.1	106.7

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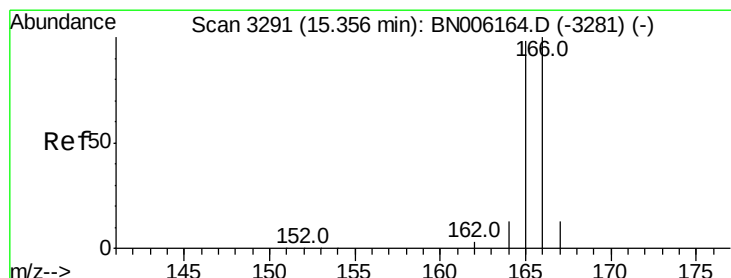
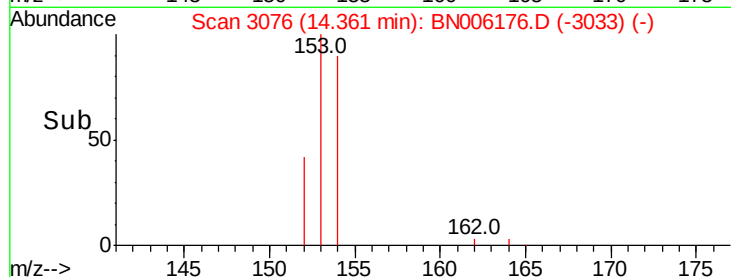
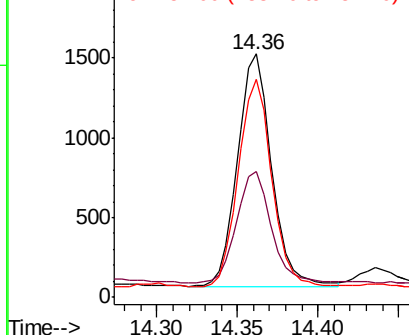


Abundance

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: 0.056 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

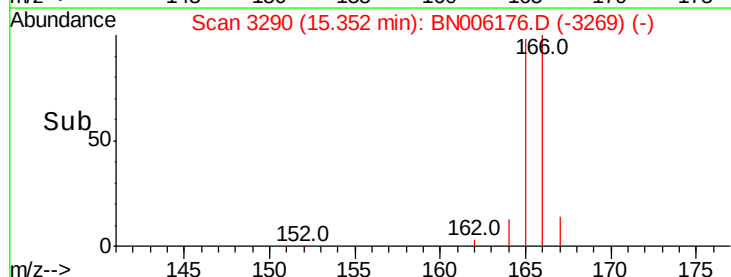
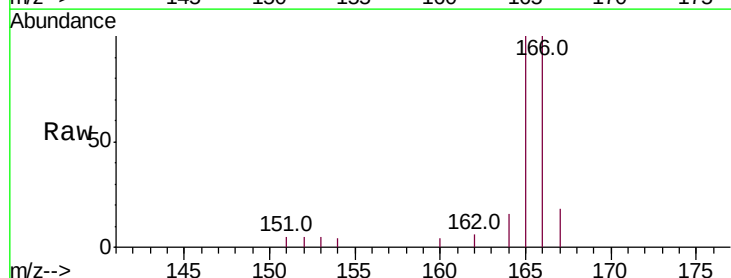
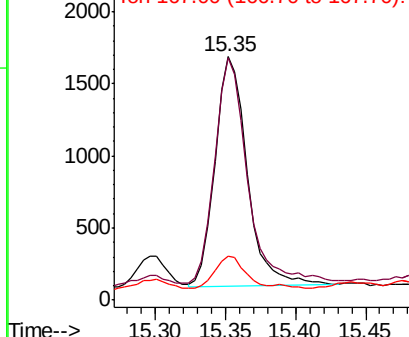
Tgt Ion:	166	Resp:	2556
Ion	Ratio	Lower	Upper
166	100		
165	99.6	76.4	114.6
167	17.9	11.0	16.6#

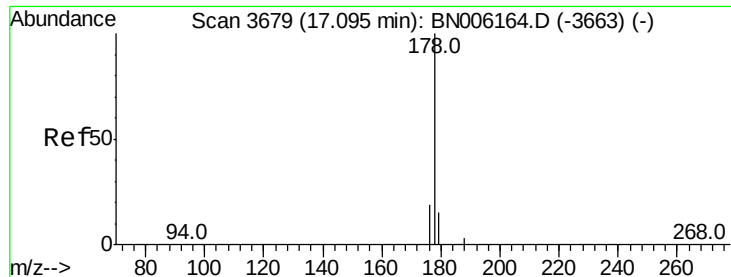
Abundance

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: 0.506 ng/ul

RT: 17.09 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Instrument :

BNA_N

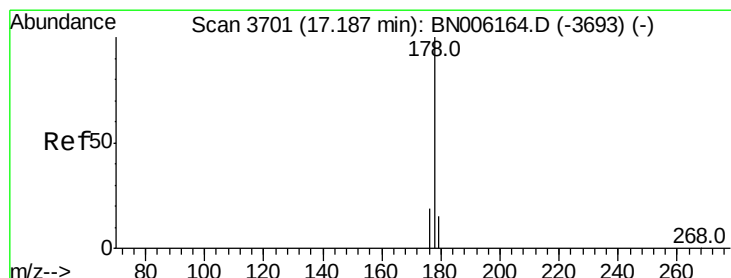
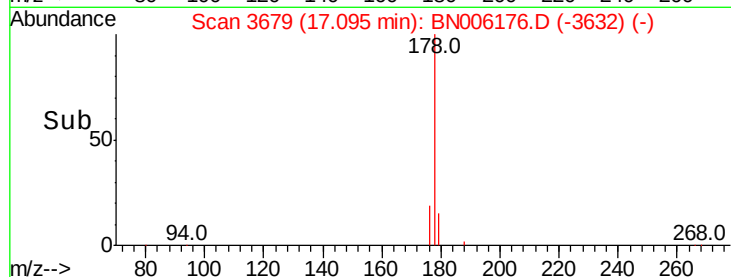
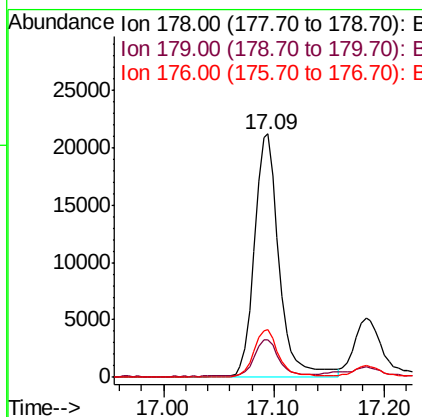
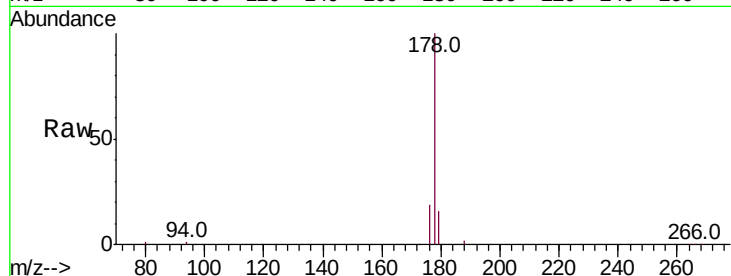
ClientSampled :

C0AC5DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.4	15.3	22.9

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#13

Anthracene

Concen: 0.145 ng/ul

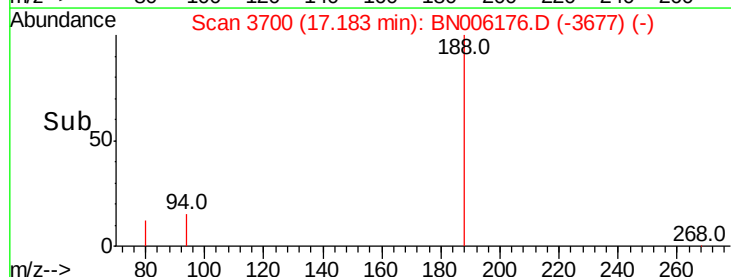
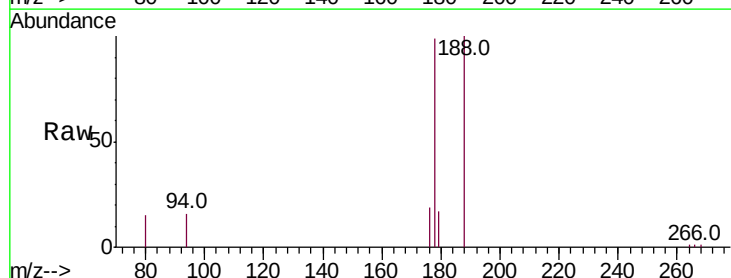
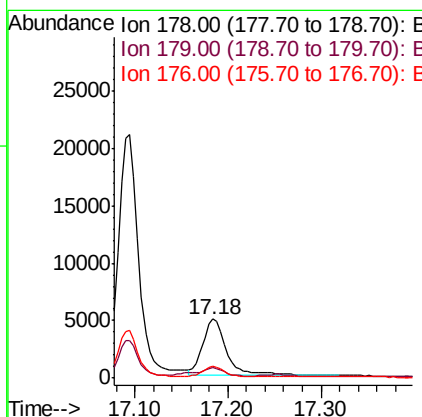
RT: 17.18 min Scan# 3700

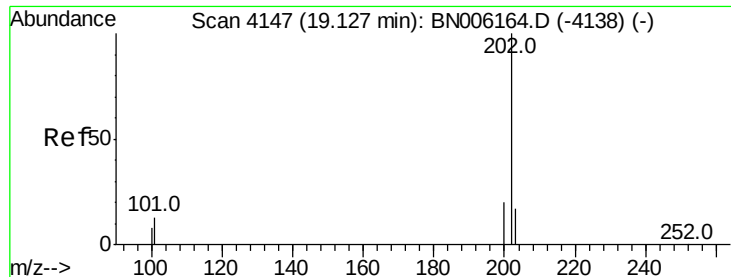
Delta R.T. -0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.6	12.2	18.4
176	19.6	15.1	22.7





#15

Fluoranthene

Concen: 0.713 ng/ul

RT: 19.12 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Instrument :

BNA_N

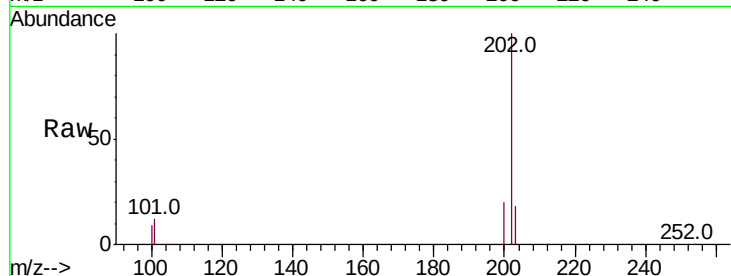
ClientSampleId :

C0AC5DL

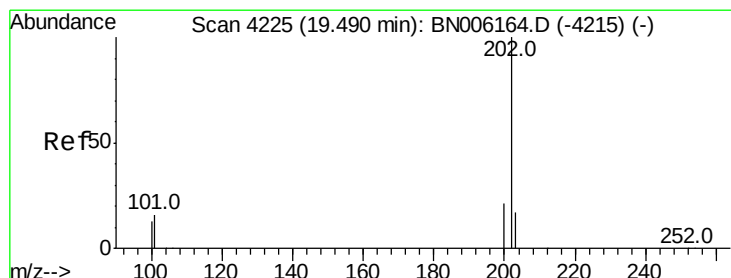
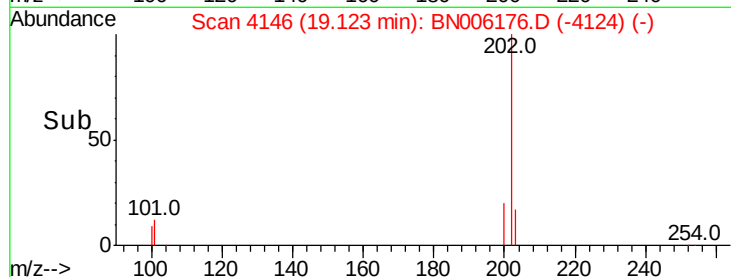
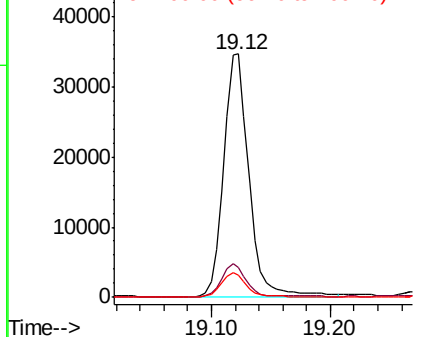
Tot Ion:	202	Resp:	50844
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	32.1
100	9.1	0.0	28.7

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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: 0.488 ng/ul

RT: 19.49 min Scan# 4224

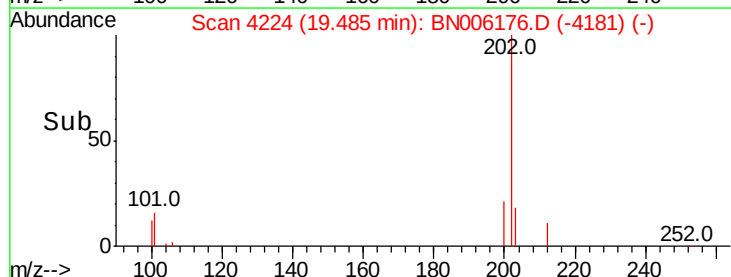
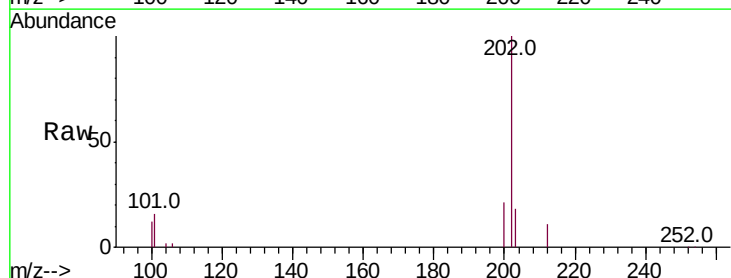
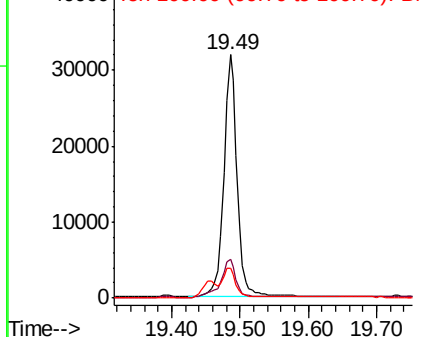
Delta R.T. 0.00 min

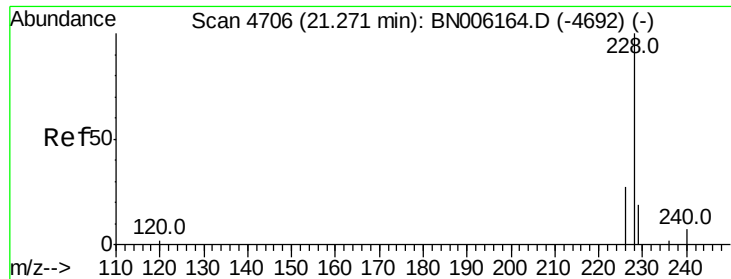
Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Tgt Ion:	202	Resp:	44219
Ion Ratio	Lower	Upper	
202	100		
101	15.8	12.2	18.2
100	12.3	9.8	14.6

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: 0.321 ng/ul

RT: 21.25 min Scan# 4699

Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Instrument :

BNA_N

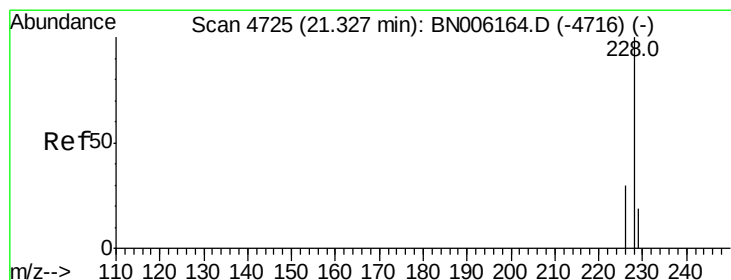
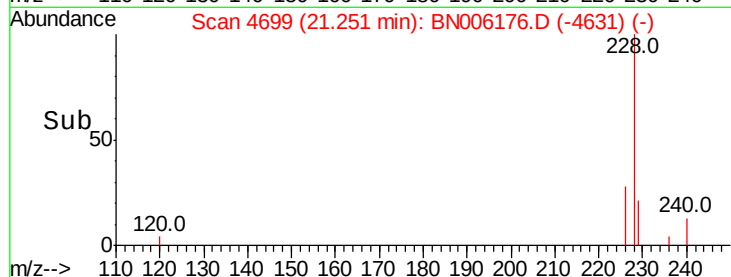
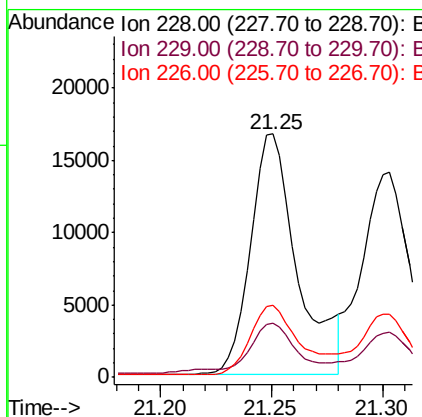
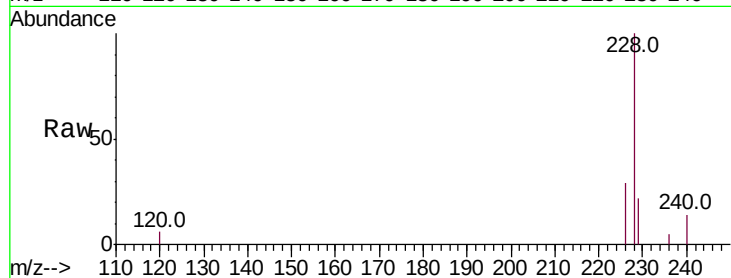
ClientSampleId :

C0AC5DL

Tot Ion:228	Resp:	24435
Ion Ratio	Lower	Upper
228	100	
229	22.2	16.5 24.7
226	29.4	22.8 34.2

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#19

Chrysene

Concen: 0.315 ng/ul

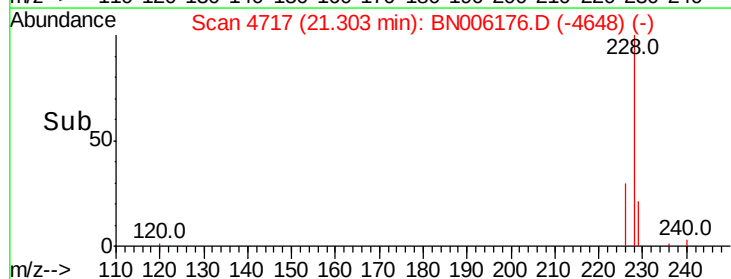
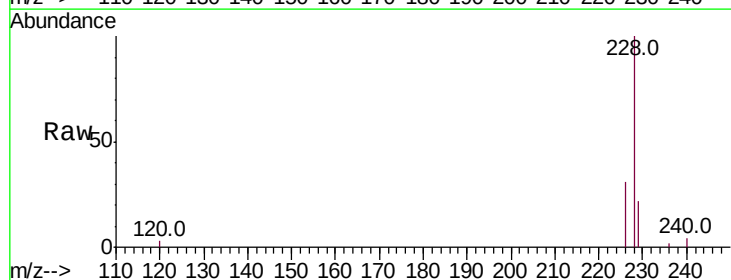
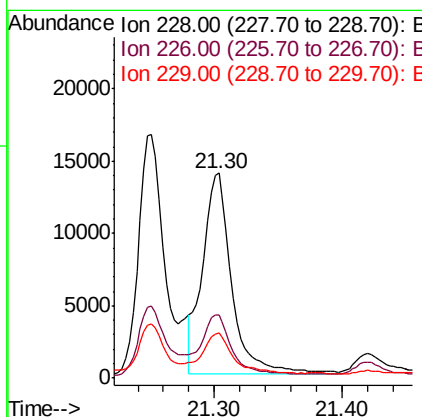
RT: 21.30 min Scan# 4717

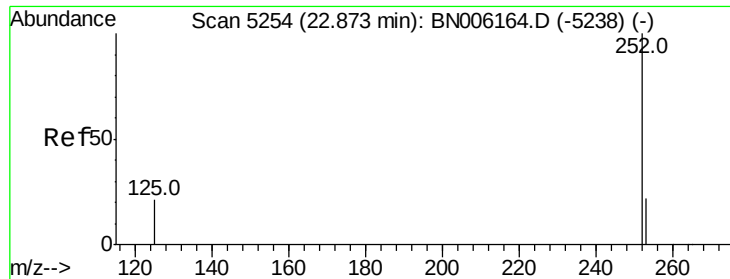
Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Tgt Ion:228	Resp:	22510
Ion Ratio	Lower	Upper
228	100	
226	30.8	25.0 37.6
229	22.4	16.3 24.5





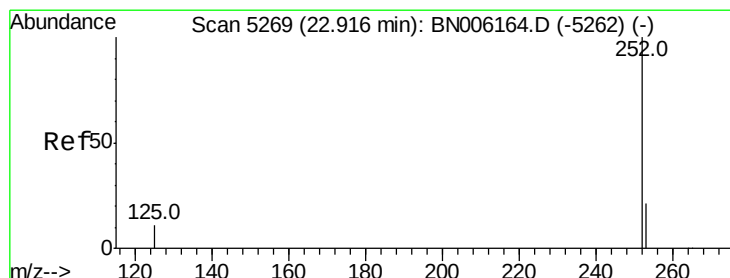
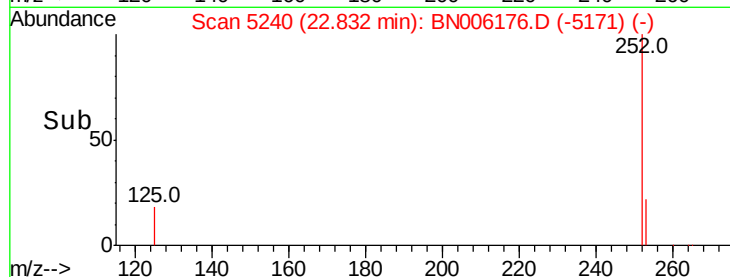
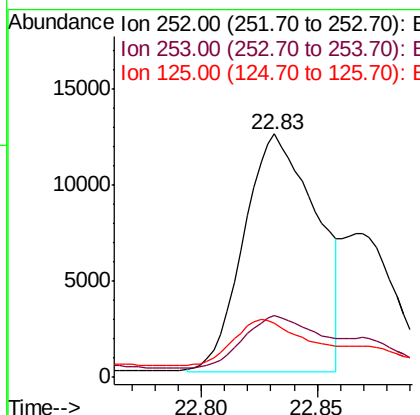
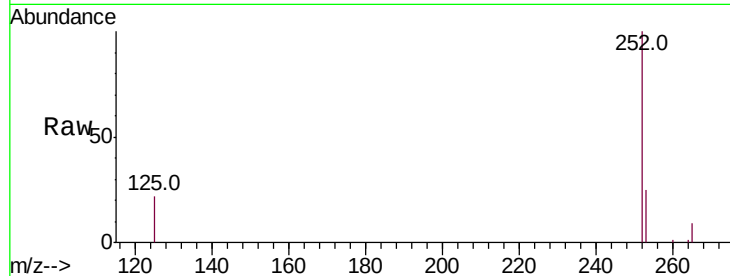
#21
Benzo(b)fluoranthene
Concen: 0.312 ng/ul m
RT: 22.83 min Scan# 5240
Delta R.T. 0.00 min
Lab File: BN006176.D
Acq: 07 Jun 2019 20:29

Instrument :
BNA_N
ClientSampleId :
C0AC5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	0.0	51.4
125	22.3	0.0	41.0

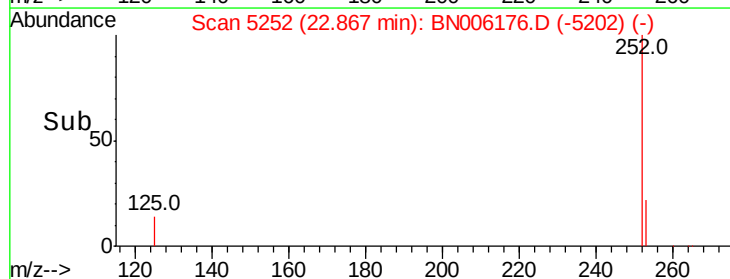
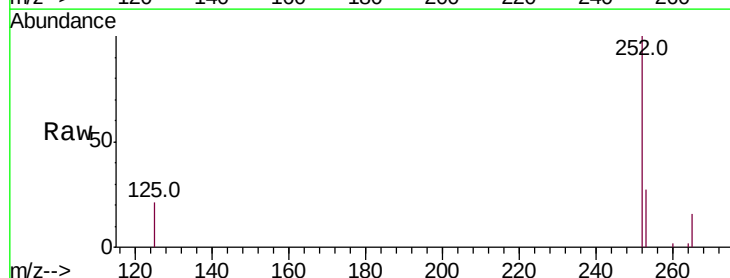
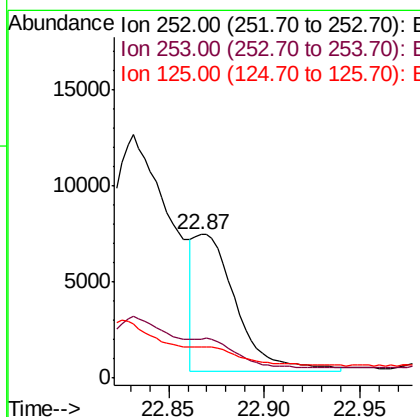
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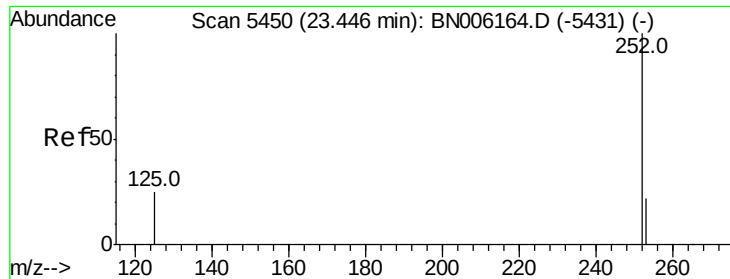
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#22
Benzo(k)fluoranthene
Concen: 0.132 ng/ul m
RT: 22.87 min Scan# 5252
Delta R.T. -0.00 min
Lab File: BN006176.D
Acq: 07 Jun 2019 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	20.3	30.5
125	21.5	14.3	21.5#





#23

Benzo(a)pyrene

Concen: 0.224 ng/ul

RT: 23.40 min Scan# 5434

Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Instrument :

BNA_N

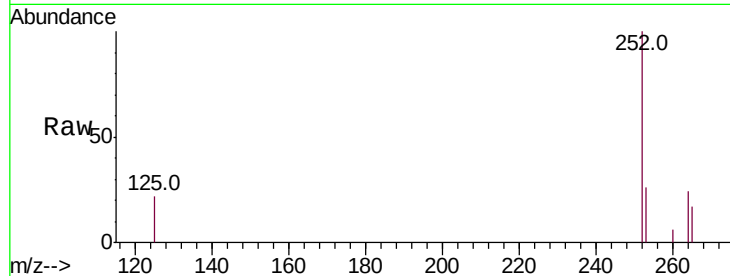
ClientSampleId :

C0AC5DL

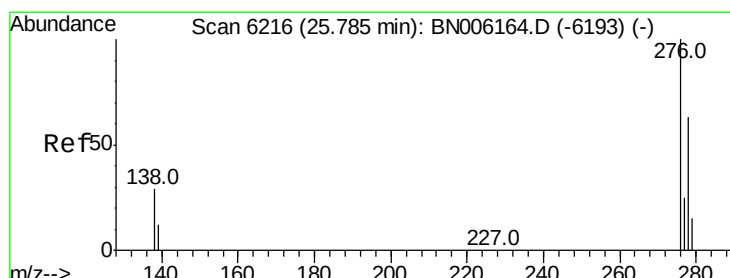
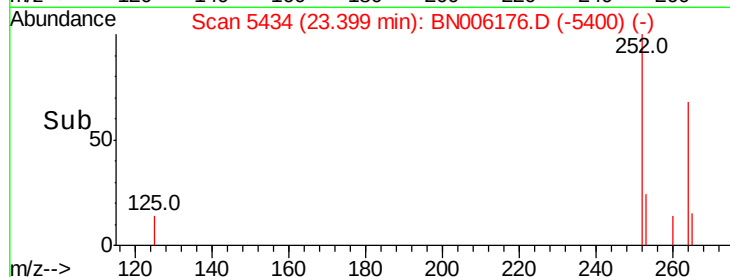
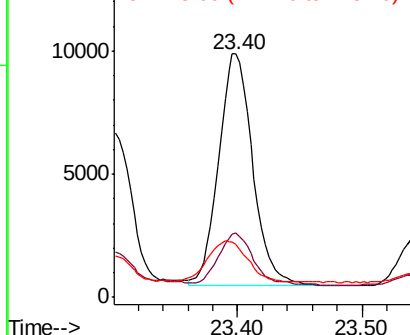
Tot Ion:	252	Resp:	18044
Ion Ratio	Lower	Upper	
252	100		
253	26.5	21.1	31.7
125	21.7	20.3	30.5

Manual Integrations
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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: 0.143 ng/ul

RT: 25.73 min Scan# 6199

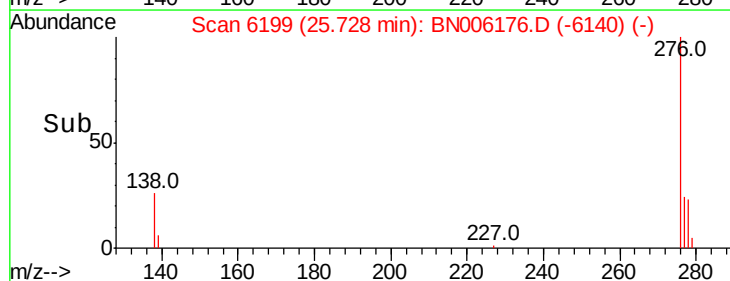
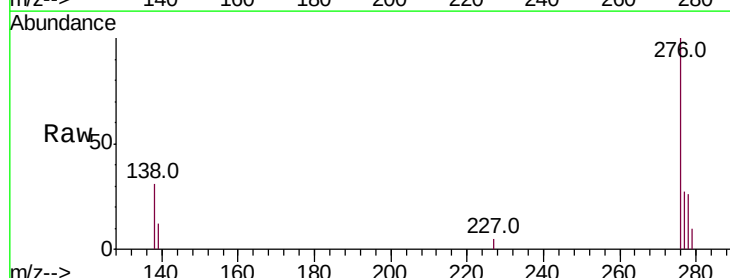
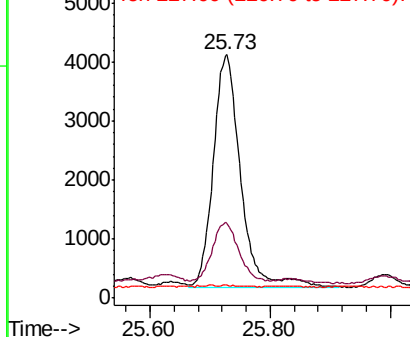
Delta R.T. -0.00 min

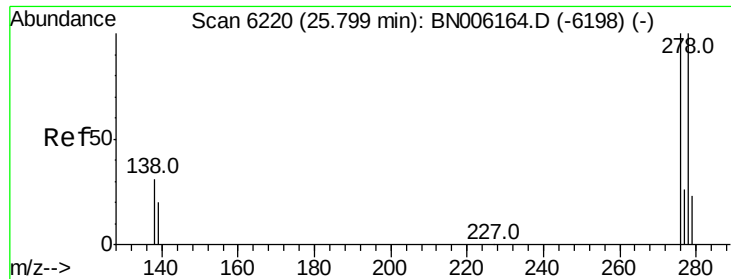
Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Tgt Ion:	276	Resp:	12463
Ion Ratio	Lower	Upper	
276	100		
138	23.5	25.6	38.4#
227	0.3	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





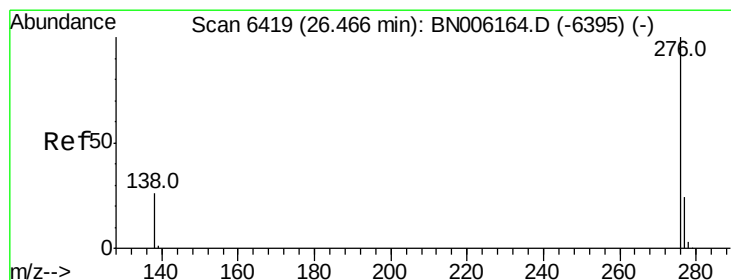
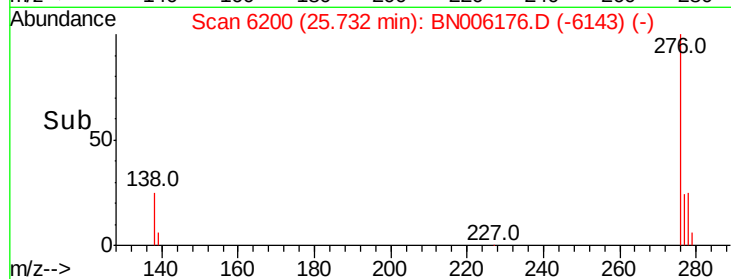
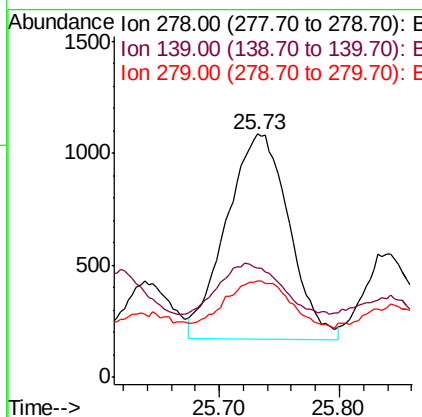
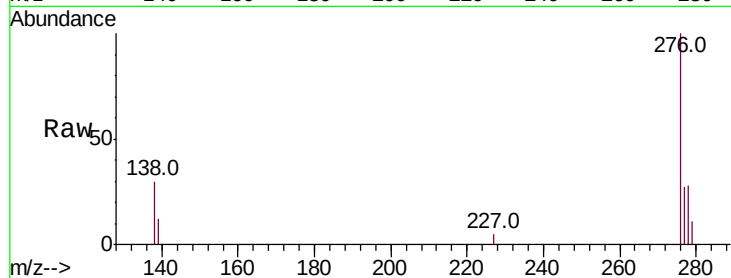
#25
Dibenzo(a,h)anthracene
Concen: 0.048 ng/ul
RT: 25.73 min Scan# 6200
Delta R.T. -0.01 min
Lab File: BN006176.D
Acq: 07 Jun 2019 20:29

Instrument :
BNA_N
ClientSampleId :
C0AC5DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	44.7	21.2	31.8#
279	39.7	22.6	33.8#

Manual Integrations
APPROVED

mohammad
6/11/2019 5:08:50 PM



#26
Benzo(g,h,i)perylene
Concen: 0.127 ng/ul
RT: 26.41 min Scan# 6402
Delta R.T. 0.00 min
Lab File: BN006176.D
Acq: 07 Jun 2019 20:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.9	24.2	36.4
277	27.0	21.5	32.3

