

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
 Data File : BN006176.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

Quant Time: Jun 08 02:04:01 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

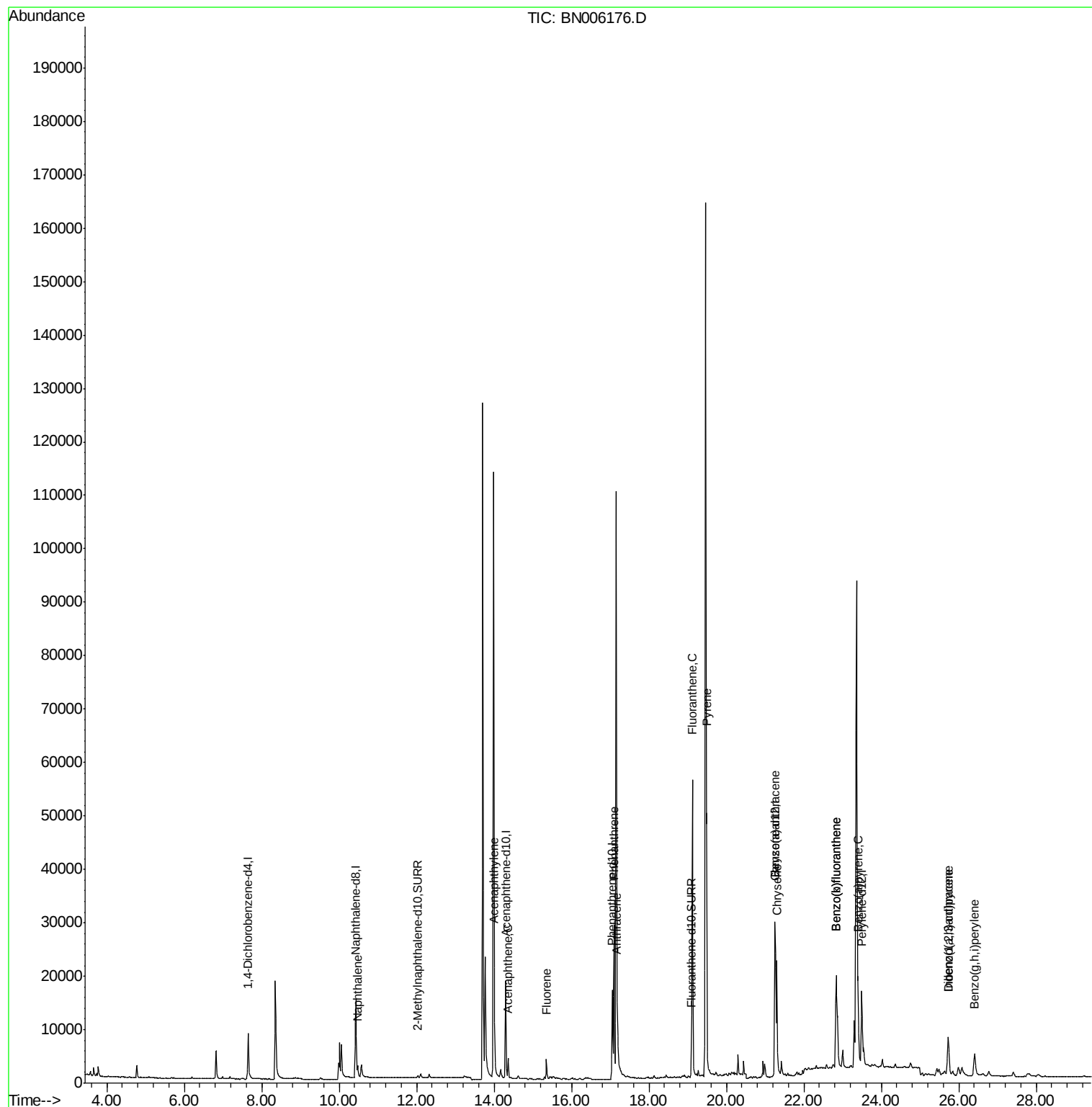
Target Compounds			Qvalue			
3) Naphthalene	10.48	128	2738	0.049	ng/ul#	91
7) Acenaphthylene	14.01	152	2050	0.037	ng/ul#	69
8) Acenaphthene	14.36	153	2149	0.055	ng/ul	98
9) Fluorene	15.35	166	2556	0.056	ng/ul#	95
12) Phenanthrene	17.09	178	32716	0.506	ng/ul	99
13) Anthracene	17.18	178	8924	0.145	ng/ul	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	39590	0.458	ng/ul	98
22) Benzo(k)fluoranthene	22.83	252	39590	0.470	ng/ul#	96
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(g,h,i)perylene	26.41	276	9286	0.127	ng/ul	97

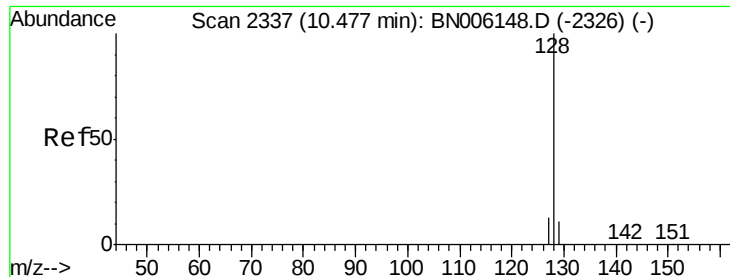
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

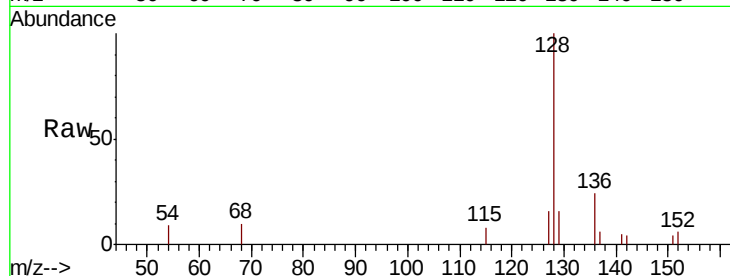
Tgt Ion:128 Resp: 2738

Ion Ratio Lower Upper

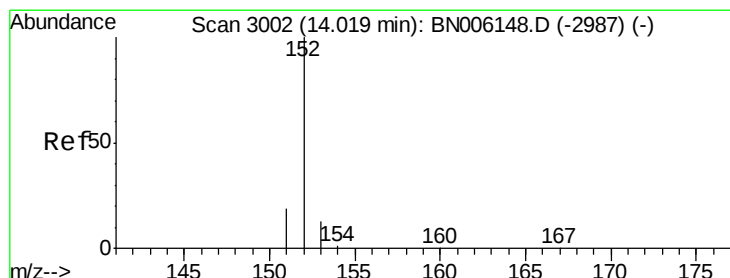
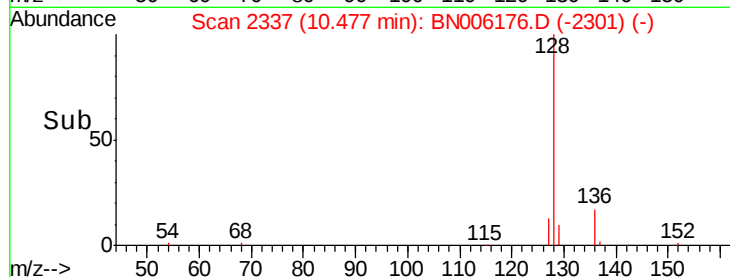
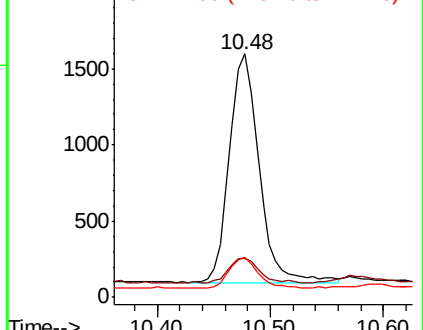
128 100

129 16.0 9.3 13.9#

127 16.2 10.7 16.1#



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

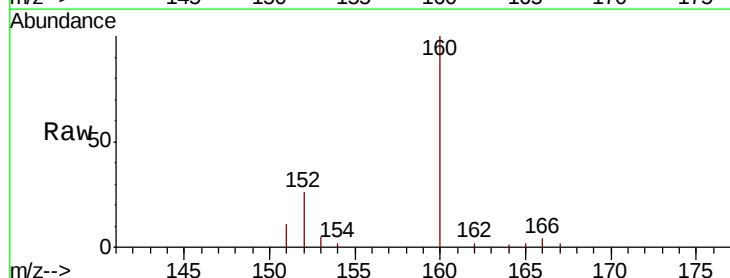
Tgt Ion:152 Resp: 2050

Ion Ratio Lower Upper

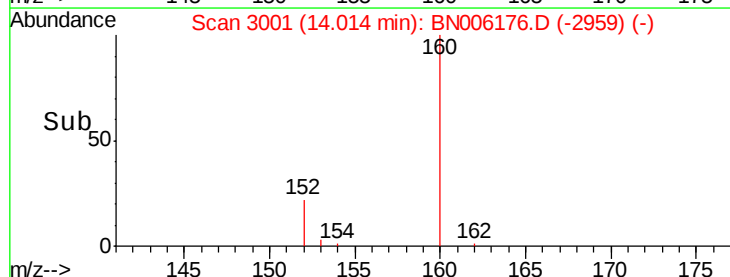
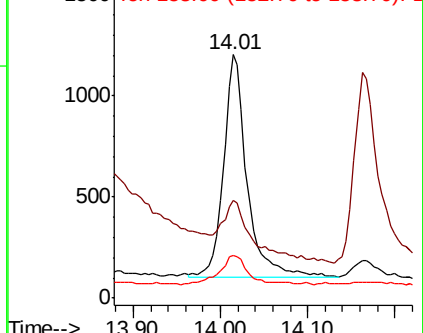
152 100

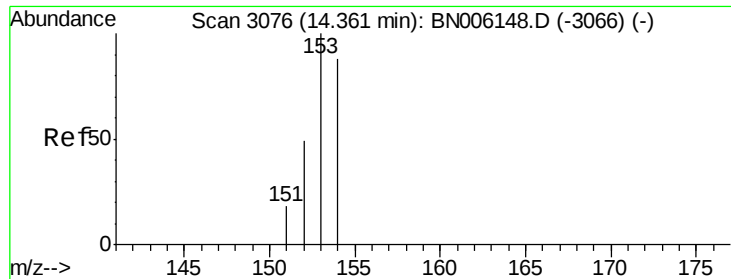
151 40.3 15.8 23.8#

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

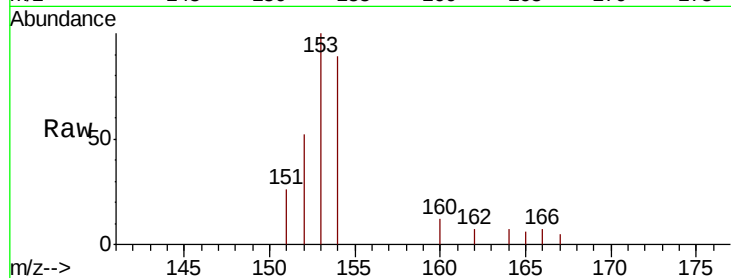
Tgt Ion:153 Resp: 2149

Ion Ratio Lower Upper

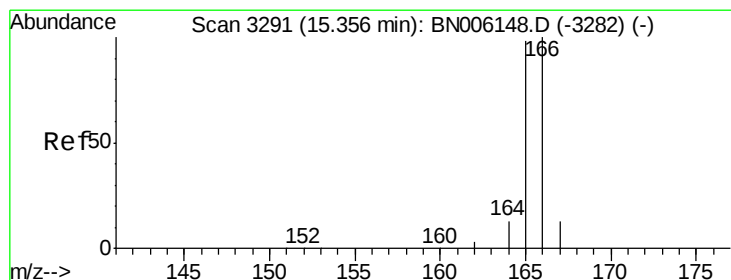
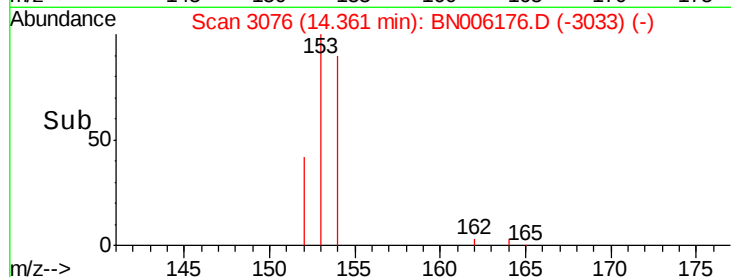
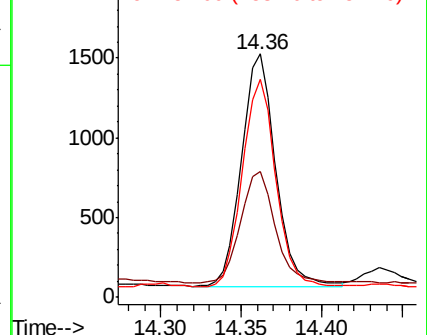
153 100

152 51.7 39.1 58.7

154 89.5 71.1 106.7



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

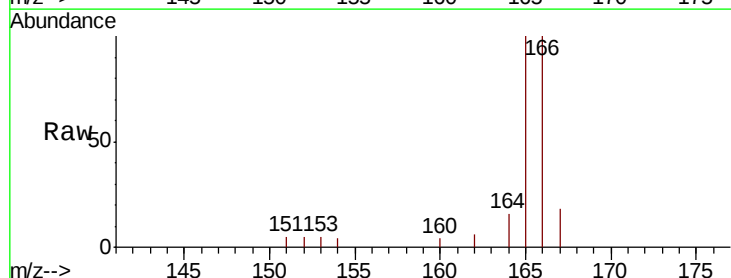
Tgt Ion:166 Resp: 2556

Ion Ratio Lower Upper

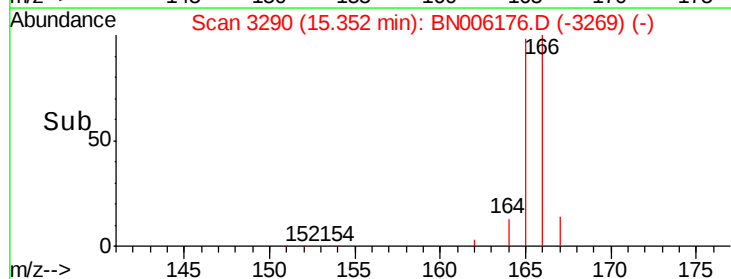
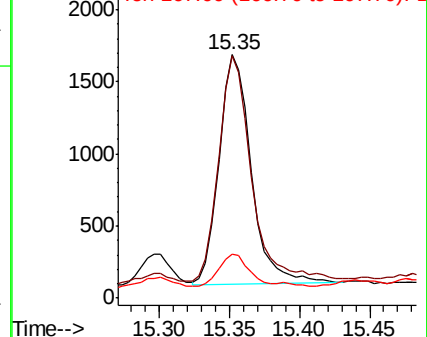
166 100

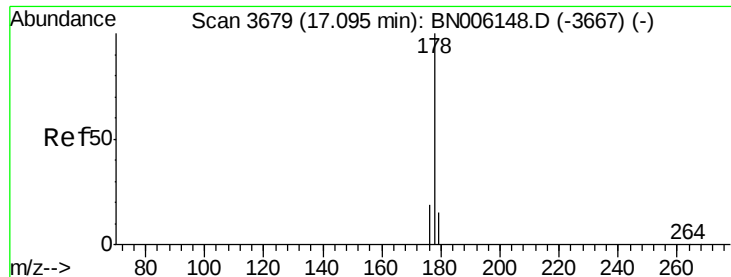
165 99.6 76.4 114.6

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

ClientSampleId :

C0AC5DL

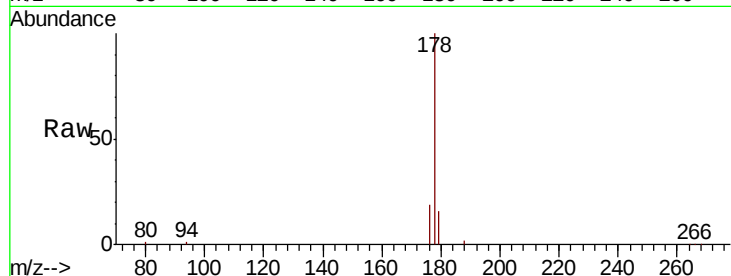
Tgt Ion:178 Resp: 32716

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

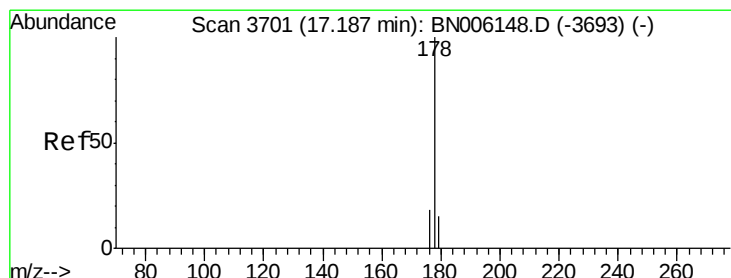
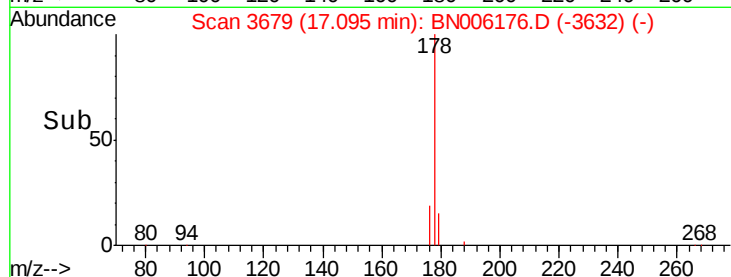
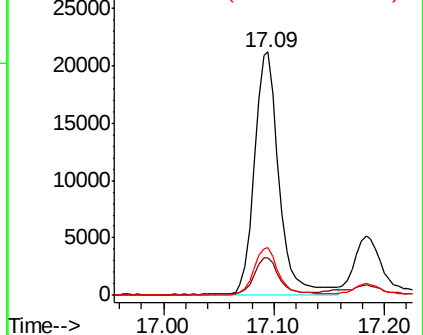
176 19.4 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#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

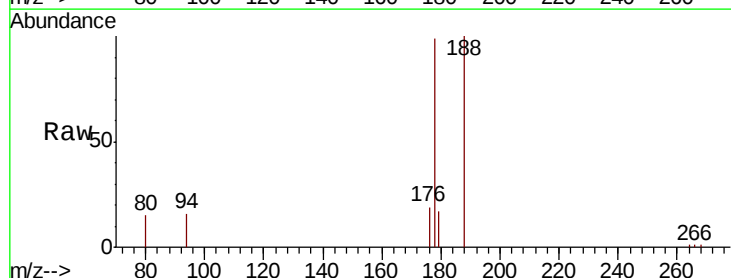
Tgt Ion:178 Resp: 8924

Ion Ratio Lower Upper

178 100

179 17.6 12.2 18.4

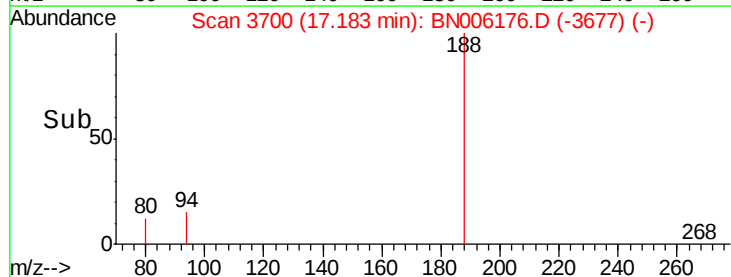
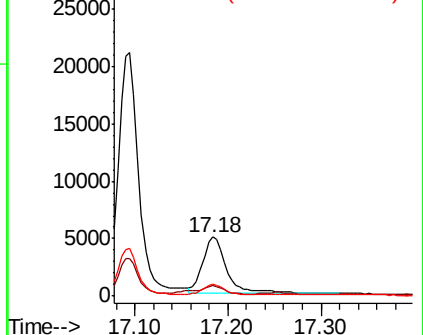
176 19.6 15.1 22.7

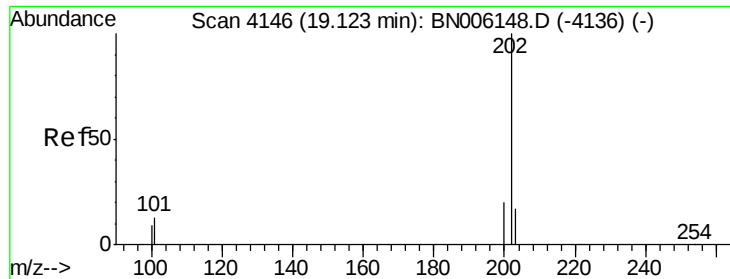


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

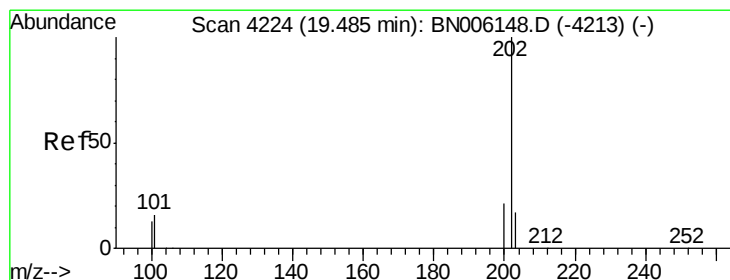
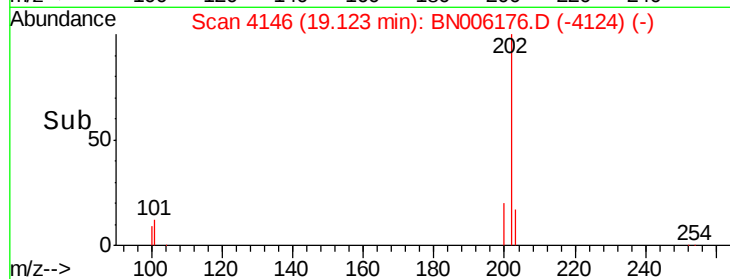
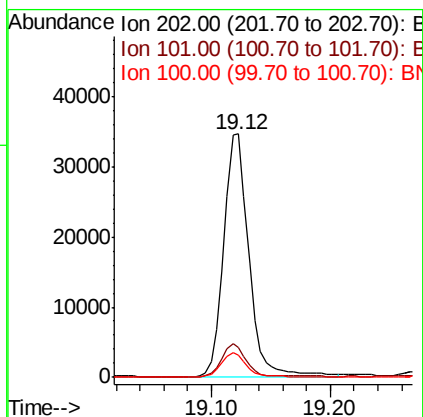
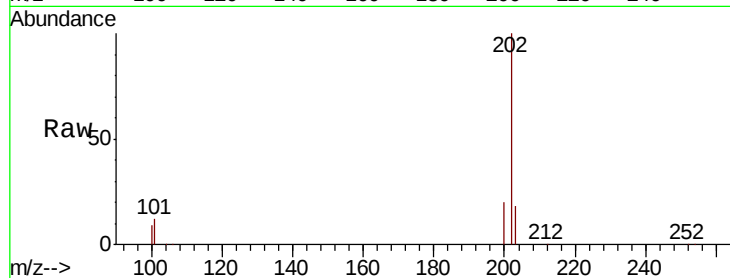




#15
Fluoranthene
 Concen: 0.713 ng/ul
 RT: 19.12 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: BN006176.D
 Acq: 07 Jun 2019 20:29

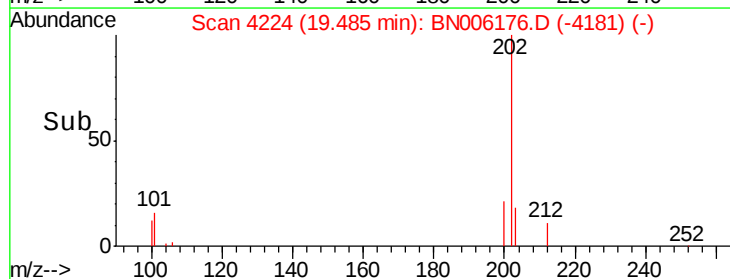
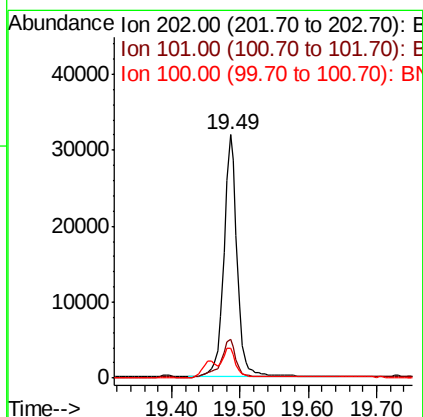
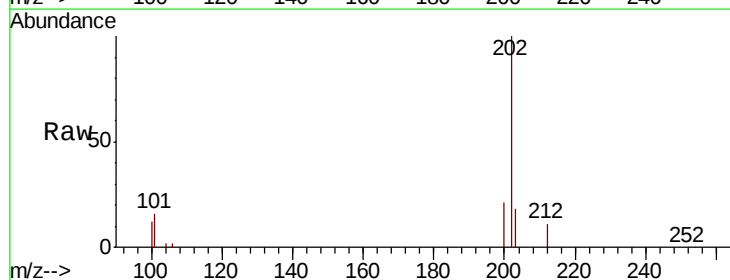
Instrument :
 BNA_N
 ClientSampleId :
 C0AC5DL

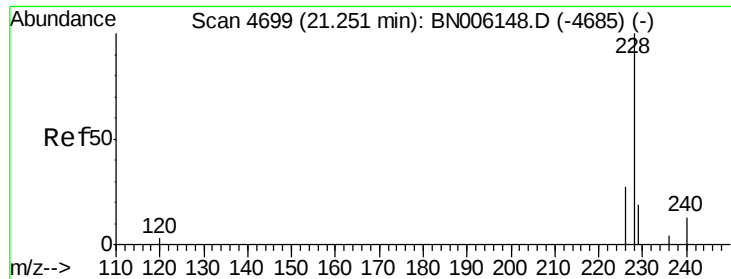
Tgt Ion:202 Resp: 50844
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 32.1
 100 9.1 0.0 28.7



#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





#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

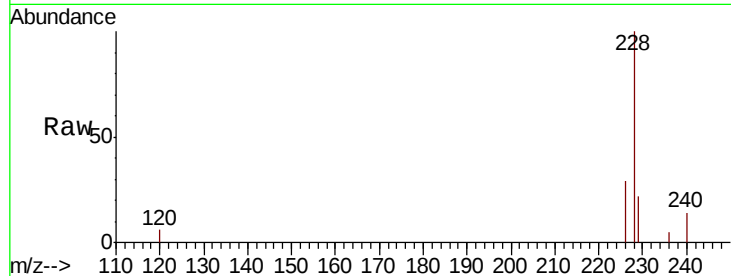
Tgt Ion:228 Resp: 24435

Ion Ratio Lower Upper

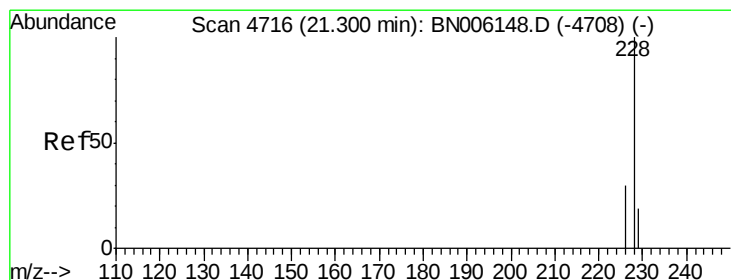
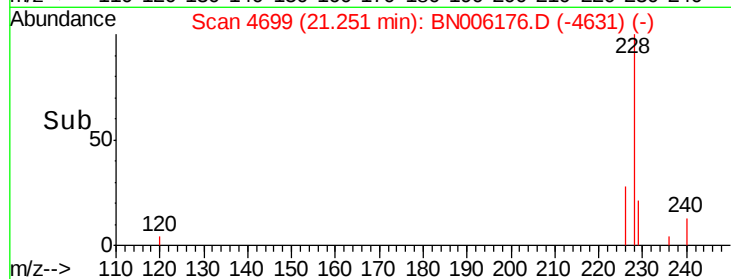
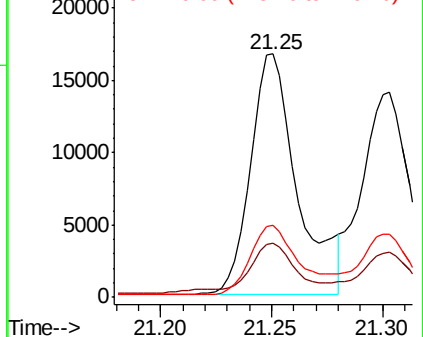
228 100

229 22.2 16.5 24.7

226 29.4 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: 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

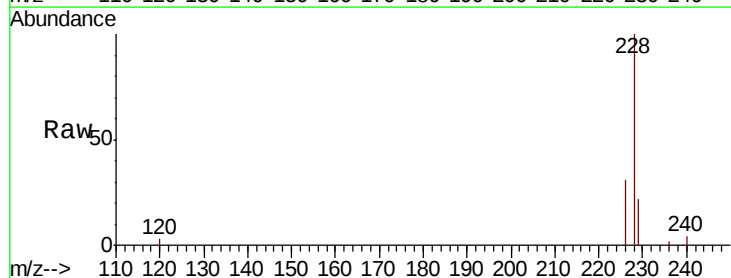
Tgt Ion:228 Resp: 22510

Ion Ratio Lower Upper

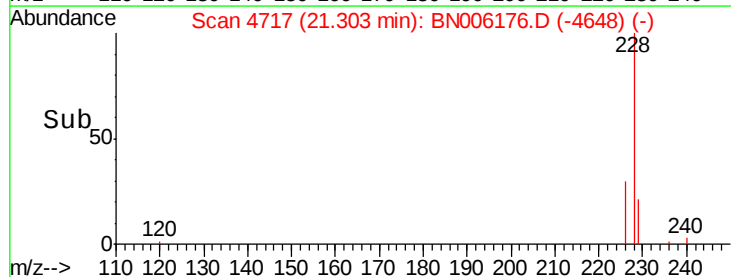
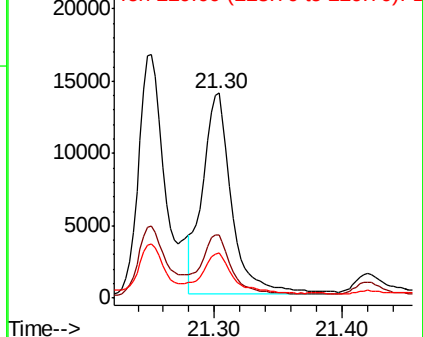
228 100

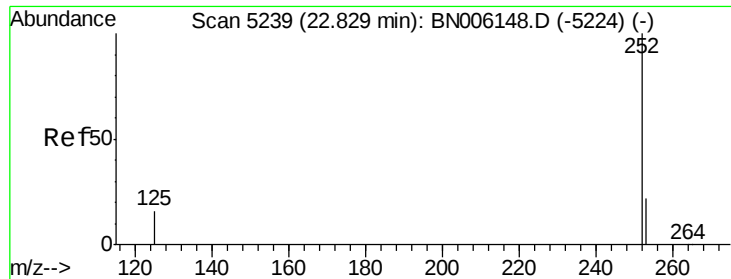
226 30.8 25.0 37.6

229 22.4 16.3 24.5



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: 0.458 ng/u1

RT: 22.83 min Scan# 5240

Delta R.T. 0.00 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

Instrument :

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ClientSampleId :

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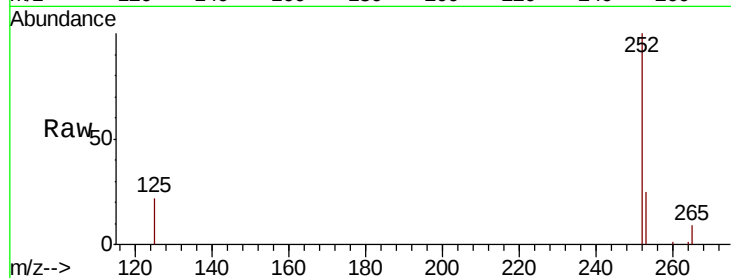
Tgt Ion:252 Resp: 39590

Ion Ratio Lower Upper

252 100

253 25.3 0.0 51.4

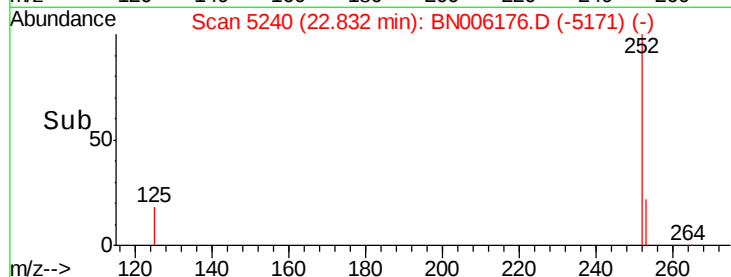
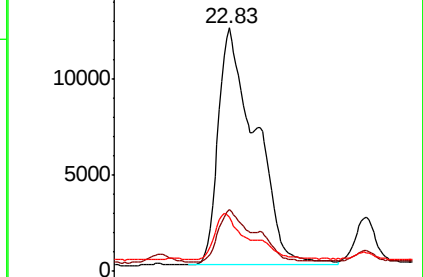
125 22.3 0.0 41.0



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



#22

Benzo(k)fluoranthene

Concen: 0.470 ng/u1

RT: 22.83 min Scan# 5240

Delta R.T. -0.04 min

Lab File: BN006176.D

Acq: 07 Jun 2019 20:29

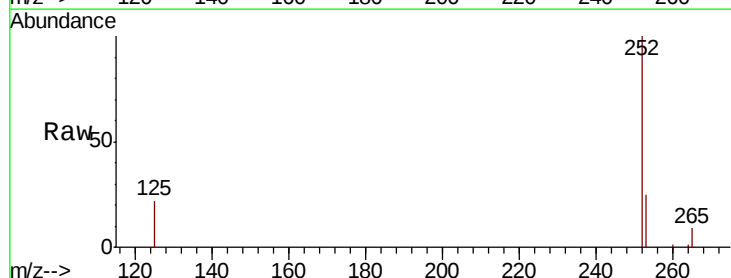
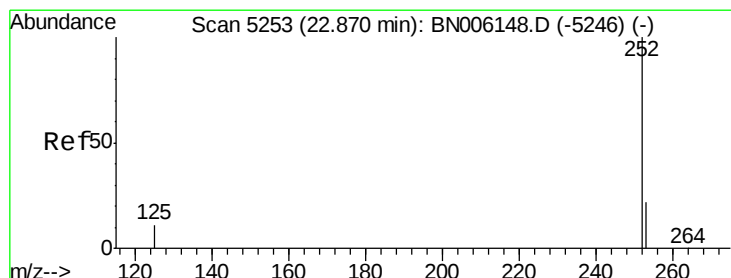
Tgt Ion:252 Resp: 39590

Ion Ratio Lower Upper

252 100

253 25.3 20.3 30.5

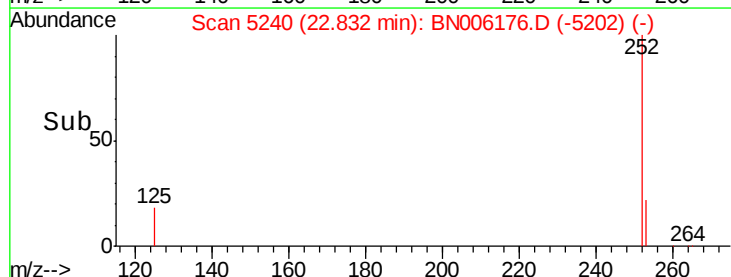
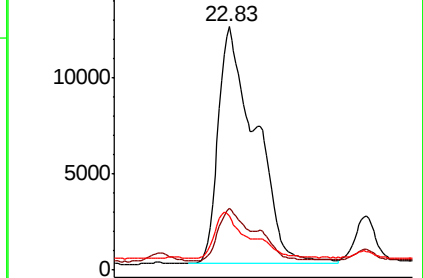
125 22.3 14.3 21.5#

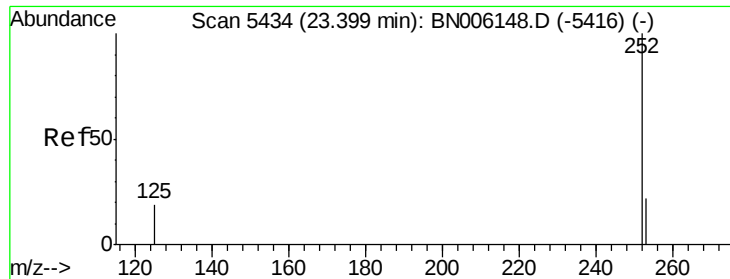


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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 :

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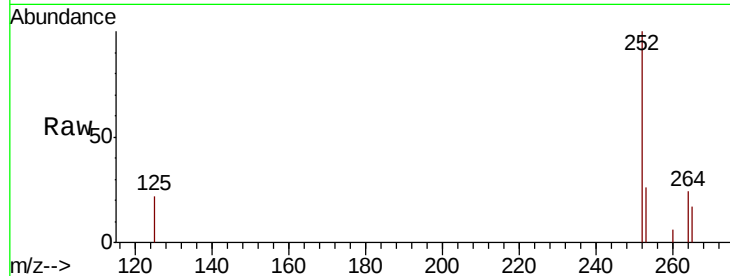
Tgt Ion:252 Resp: 18044

Ion Ratio Lower Upper

252 100

253 26.5 21.1 31.7

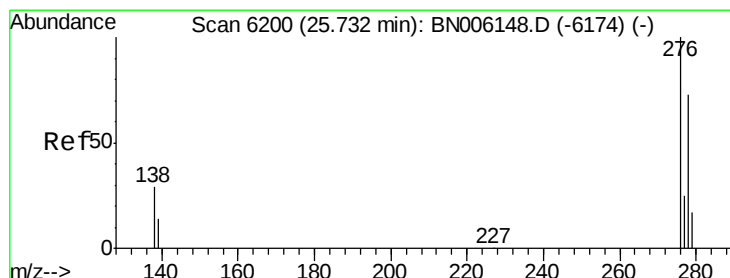
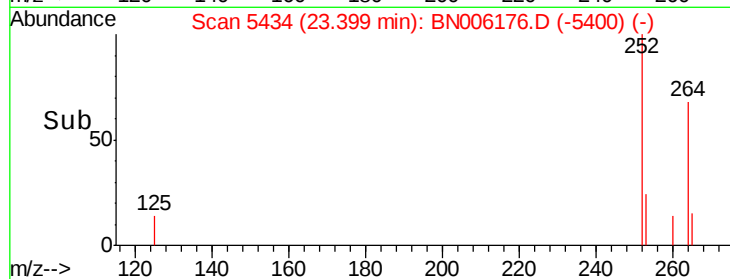
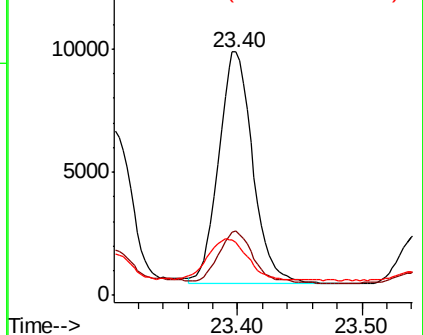
125 21.7 20.3 30.5



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

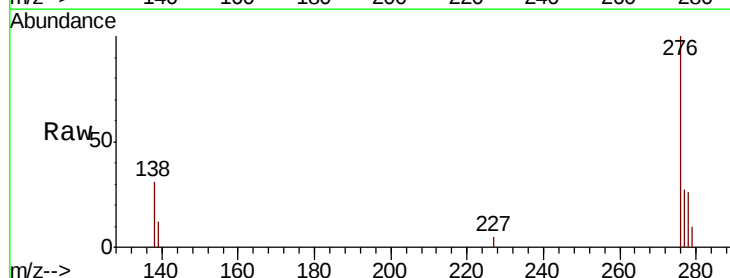
Tgt Ion:276 Resp: 12463

Ion Ratio Lower Upper

276 100

138 23.5 25.6 38.4#

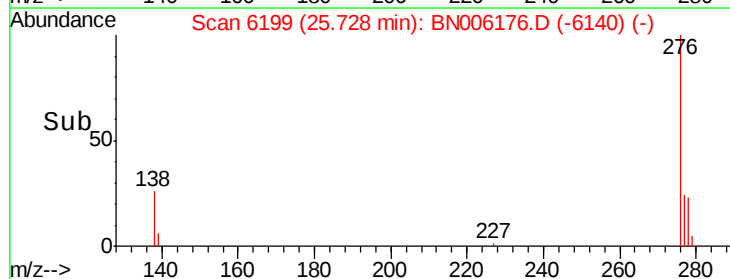
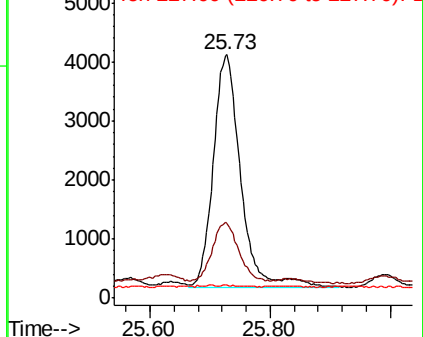
227 0.3 0.3 0.5

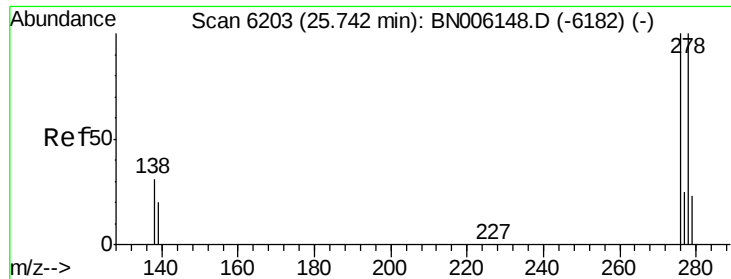


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

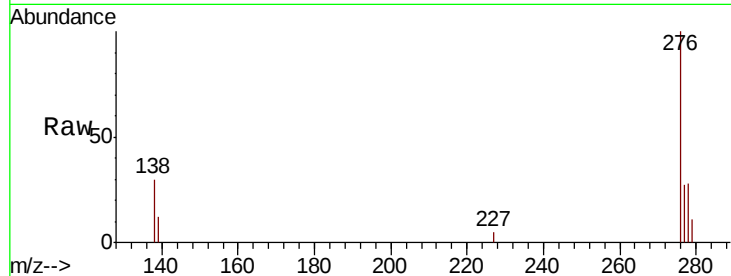




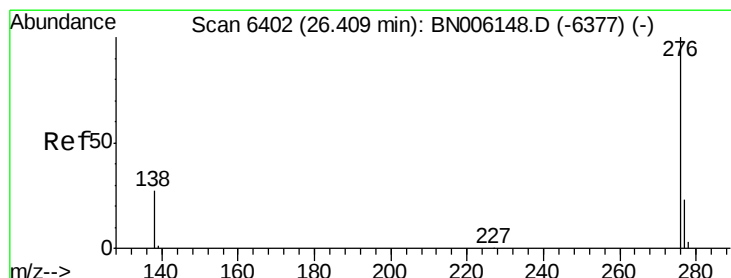
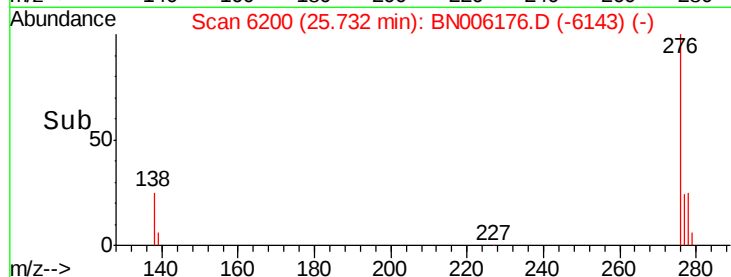
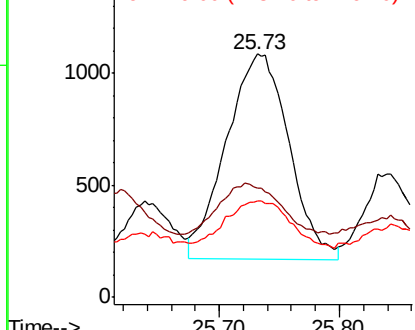
#25
Dibenzo(a,h)anthracene
Concen: 0.048 ng/u1
RT: 25.73 min Scan# 6200
Delta R.T. -0.01 min
Lab File: BN006176.D
Acq: 07 Jun 2019 20:29

Instrument :
BNA_N
ClientSampleId :
C0AC5DL

Tgt Ion: 278 Resp: 3327
Ion Ratio Lower Upper
278 100
139 44.7 21.2 31.8#
279 39.7 22.6 33.8#

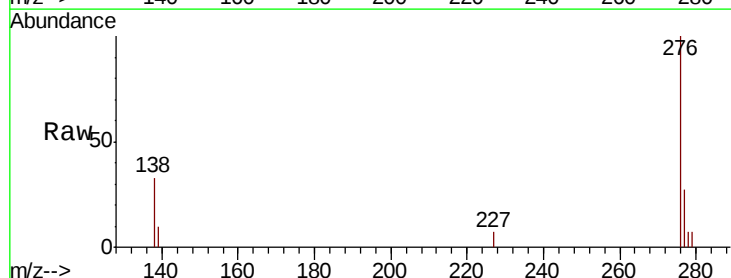


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.127 ng/u1
RT: 26.41 min Scan# 6402
Delta R.T. 0.00 min
Lab File: BN006176.D
Acq: 07 Jun 2019 20:29

Tgt Ion: 276 Resp: 9286
Ion Ratio Lower Upper
276 100
138 32.9 24.2 36.4
277 27.0 21.5 32.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

