

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006528.D
 Acq On : 24 Jun 2019 13:35
 Operator : HP/JU
 Sample : K3335-08DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4235DL

Quant Time: Jun 25 00:43:33 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 : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4463	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	16731	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.28	164	8357	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	19758	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	9176	0.40	ng/ul	0.01
20) Perylene-d12	23.54	264	10472	0.40	ng/ul	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	890	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	1635	0.03	ng/ul	0.00

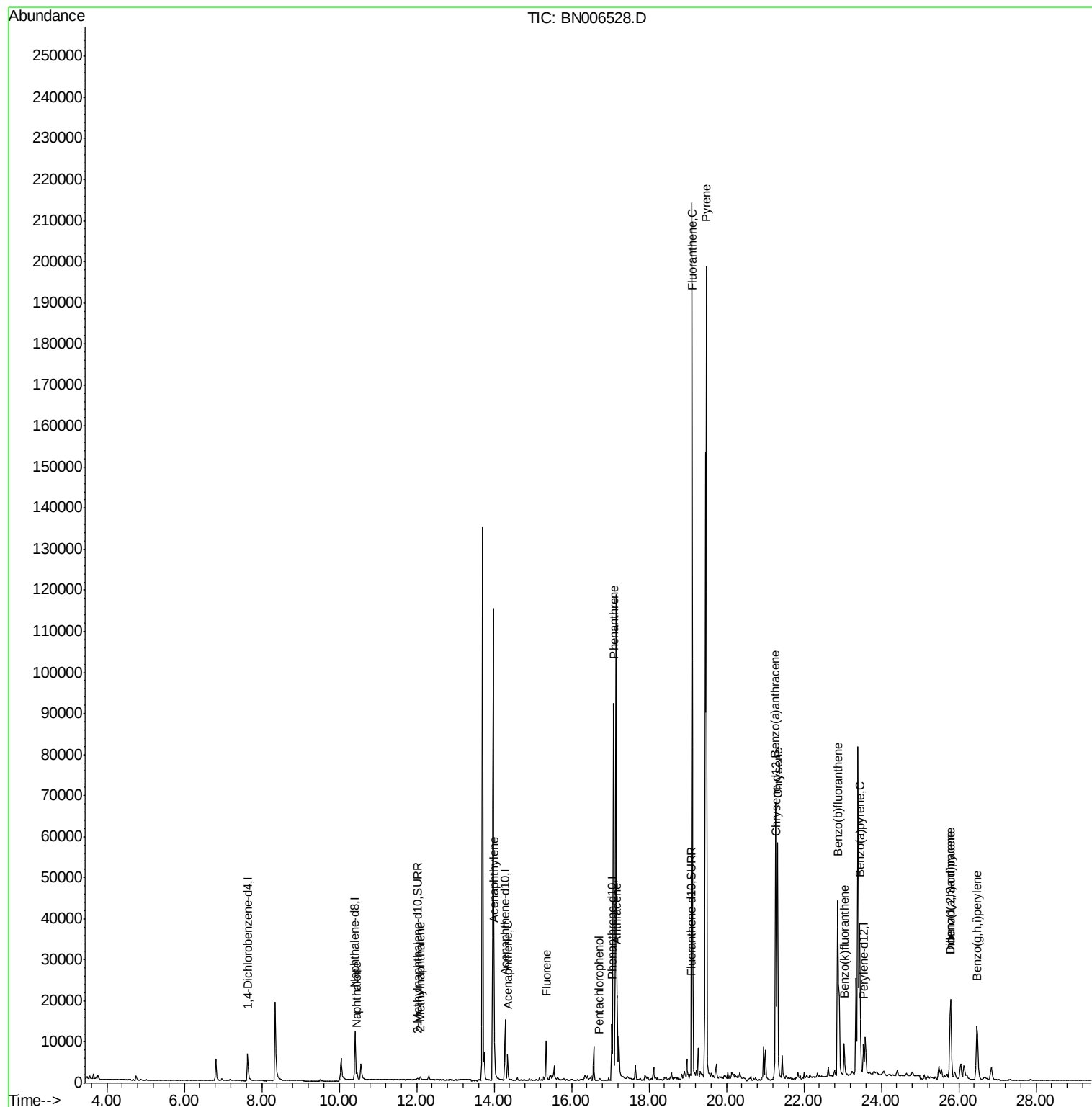
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	2286	0.050	ng/ul#	91
5) 2-Methylnaphthalene	12.09	142	770	0.024	ng/ul	98
7) Acenaphthylene	14.00	152	11840	0.255	ng/ul	99
8) Acenaphthene	14.35	153	3512	0.109	ng/ul	99
9) Fluorene	15.34	166	6505	0.173	ng/ul	97
11) Pentachlorophenol	16.72	266	665	0.132	ng/ul	91
12) Phenanthrene	17.08	178	93596	1.476	ng/ul	99
13) Anthracene	17.17	178	22246	0.367	ng/ul	98
15) Fluoranthene	19.11	202	180267	2.574	ng/ul	98
17) Pyrene	19.48	202	158397	3.277	ng/ul	99
18) Benzo(a)anthracene	21.27	228	59968	1.478	ng/ul	99
19) Chrysene	21.32	228	58290	1.530	ng/ul	99
21) Benzo(b)fluoranthene	22.87	252	93791	2.148	ng/ul	90
22) Benzo(k)fluoranthene	23.04	252	7861	0.185	ng/ul	94
23) Benzo(a)pyrene	23.44	252	48927	1.203	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.79	276	30840	0.701	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.79	278	7756	0.220	ng/ul	97
26) Benzo(g,h,i)perylene	26.47	276	26890	0.729	ng/ul	95

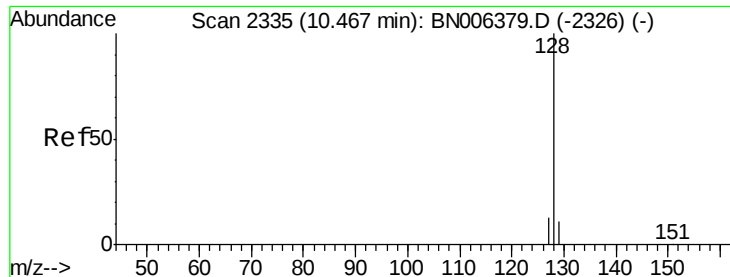
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.050 ng/ul

RT: 10.46 min Scan# 2334

Delta R.T. -0.01 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

Instrument :

BNA_N

ClientSampleId :

A4235DL

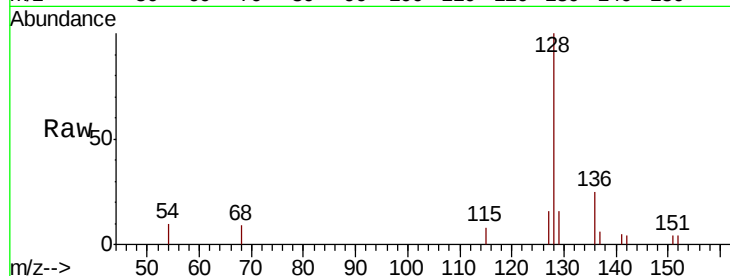
Tgt Ion:128 Resp: 2286

Ion Ratio Lower Upper

128 100

129 16.0 9.3 13.9#

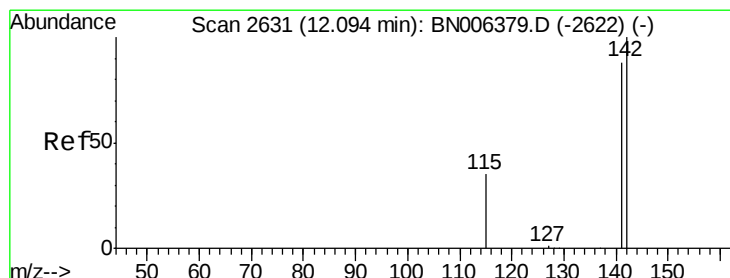
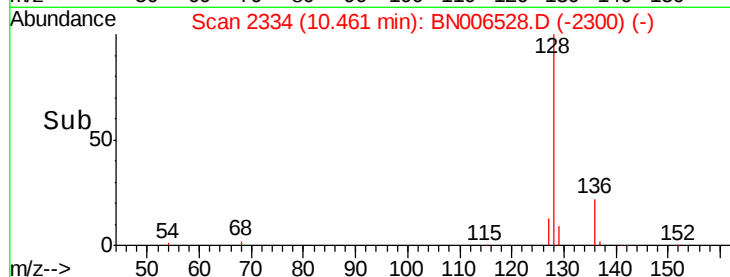
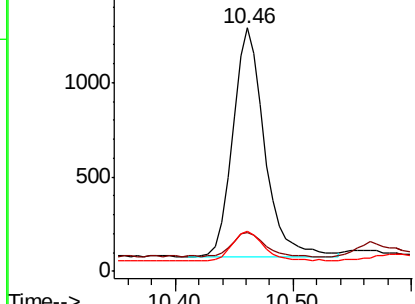
127 16.4 10.7 16.1#



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



#5

2-Methylnaphthalene

Concen: 0.024 ng/ul

RT: 12.09 min Scan# 2631

Delta R.T. 0.00 min

Lab File: BN006528.D

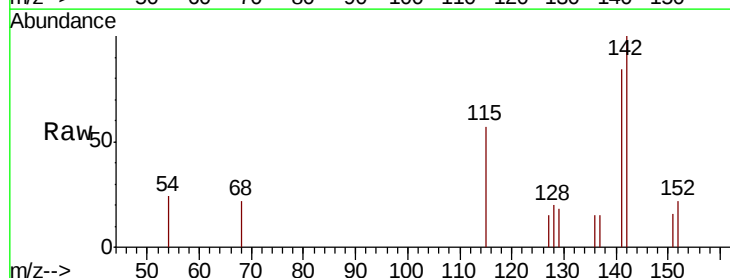
Acq: 24 Jun 2019 13:35

Tgt Ion:142 Resp: 770

Ion Ratio Lower Upper

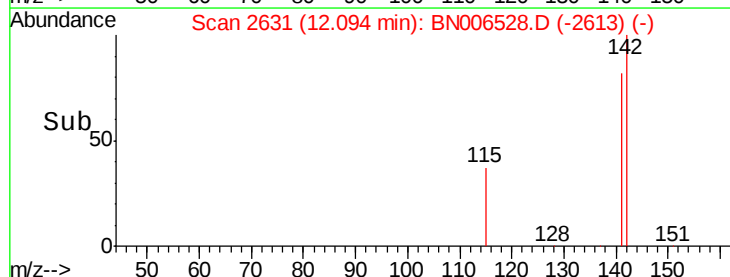
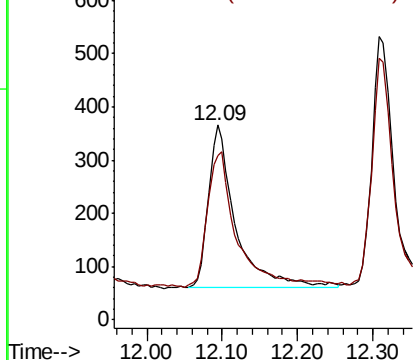
142 100

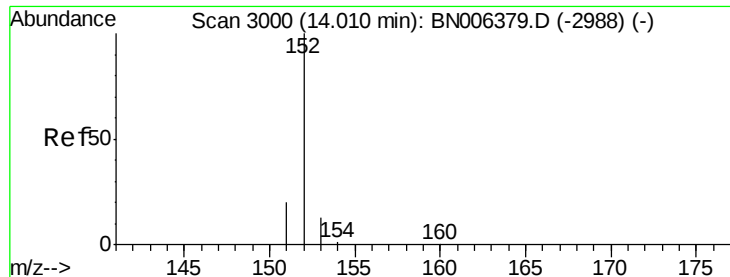
141 90.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.255 ng/ul

RT: 14.00 min Scan# 2998

Delta R.T. -0.01 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

Instrument :

BNA_N

ClientSampleId :

A4235DL

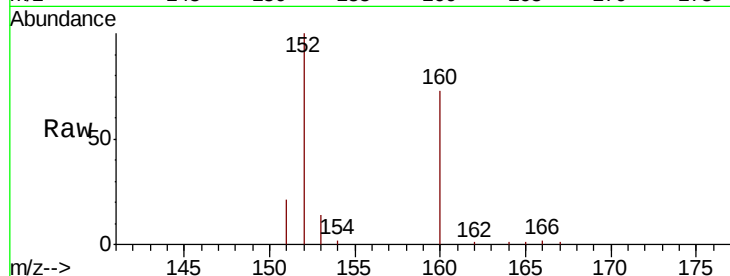
Tgt Ion:152 Resp: 11840

Ion Ratio Lower Upper

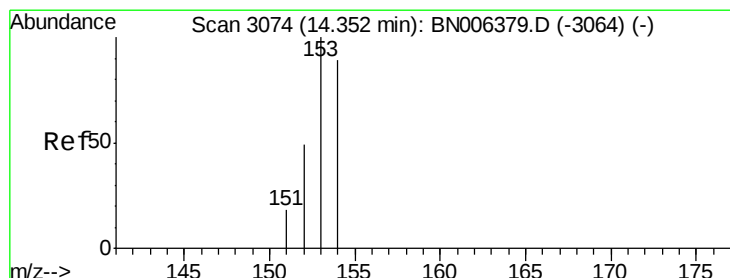
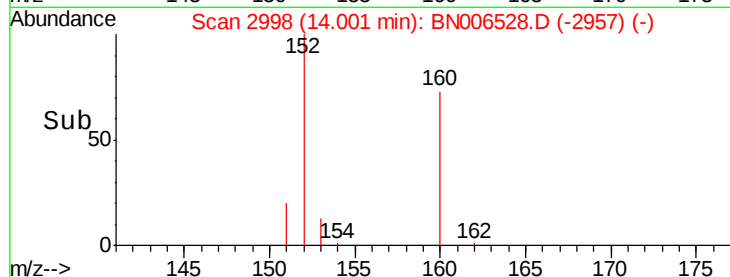
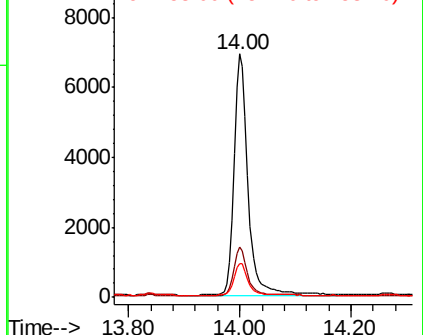
152 100

151 20.5 15.8 23.8

153 14.0 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: 0.109 ng/ul

RT: 14.35 min Scan# 3073

Delta R.T. -0.01 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

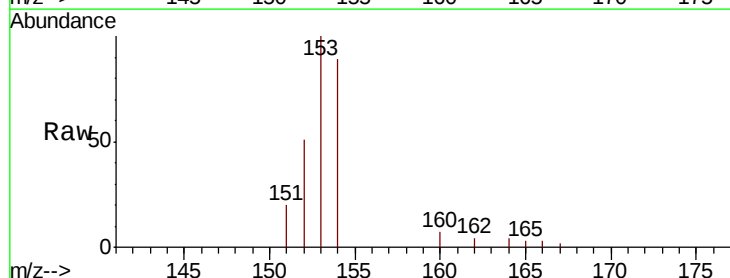
Tgt Ion:153 Resp: 3512

Ion Ratio Lower Upper

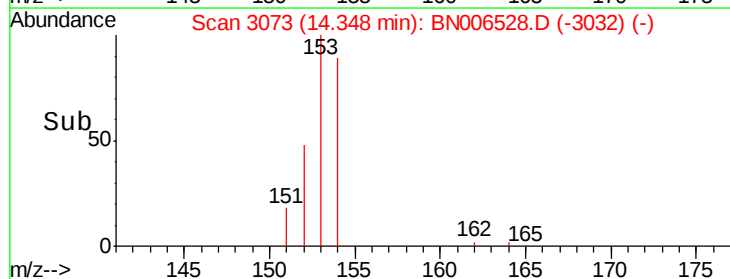
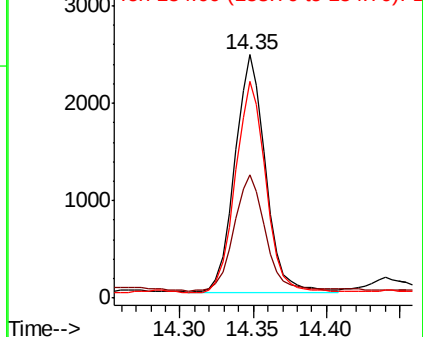
153 100

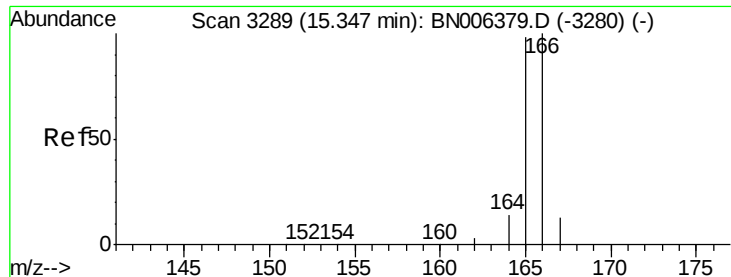
152 50.7 39.1 58.7

154 89.1 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

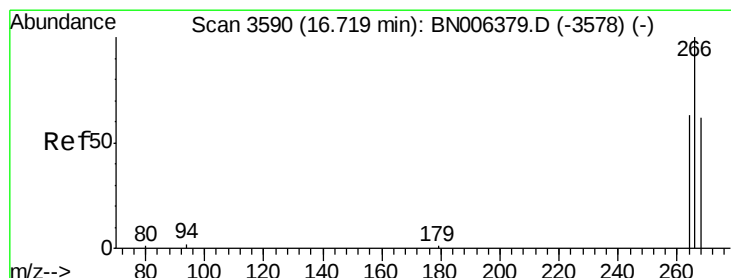
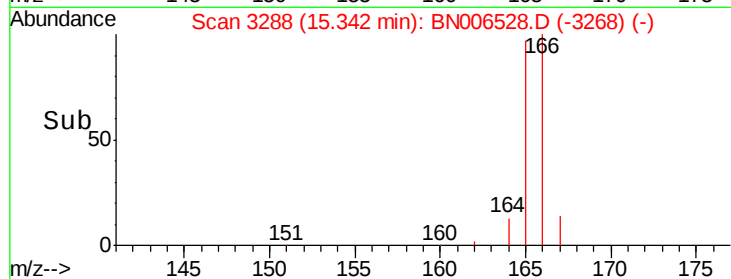
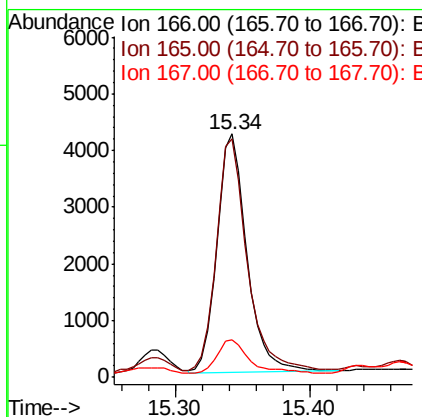
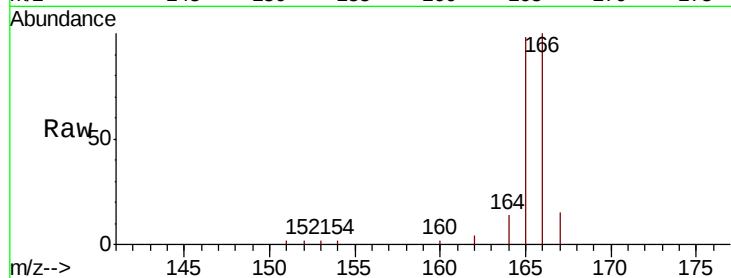




#9
Fluorene
 Concen: 0.173 ng/ul
 RT: 15.34 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BN006528.D
 Acq: 24 Jun 2019 13:35

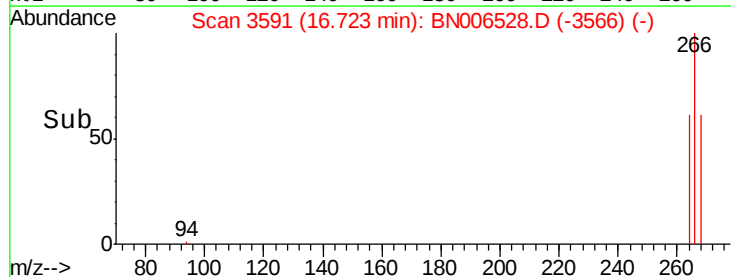
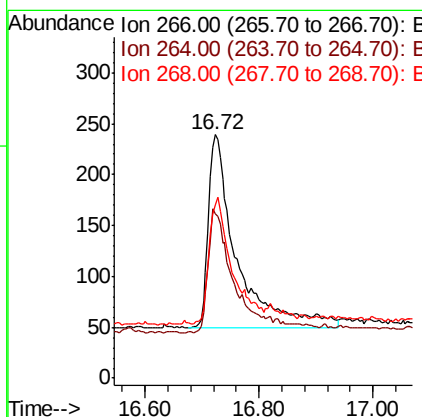
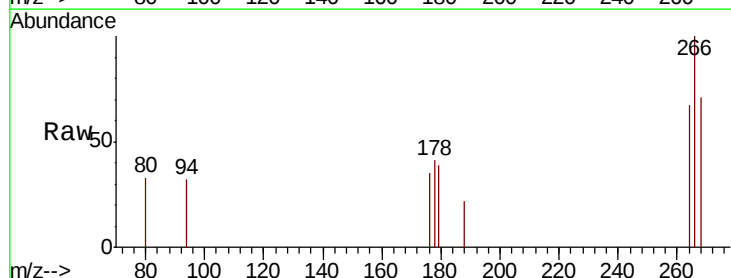
Instrument :
 BNA_N
 ClientSampleId :
 A4235DL

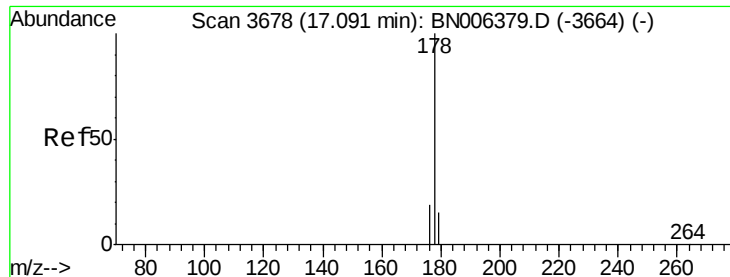
Tgt Ion:166 Resp: 6505
 Ion Ratio Lower Upper
 166 100
 165 97.9 76.4 114.6
 167 15.5 11.0 16.6



#11
Pentachlorophenol
 Concen: 0.132 ng/ul
 RT: 16.72 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: BN006528.D
 Acq: 24 Jun 2019 13:35

Tgt Ion:266 Resp: 665
 Ion Ratio Lower Upper
 266 100
 264 60.6 50.3 75.5
 268 52.0 51.3 76.9





#12

Phenanthrene

Concen: 1.476 ng/ul

RT: 17.08 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

Instrument :

BNA_N

ClientSampleId :

A4235DL

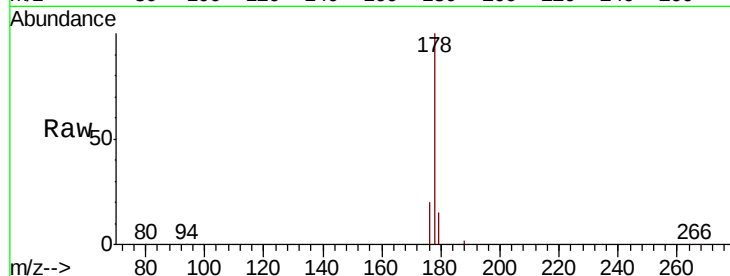
Tgt Ion:178 Resp: 93596

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

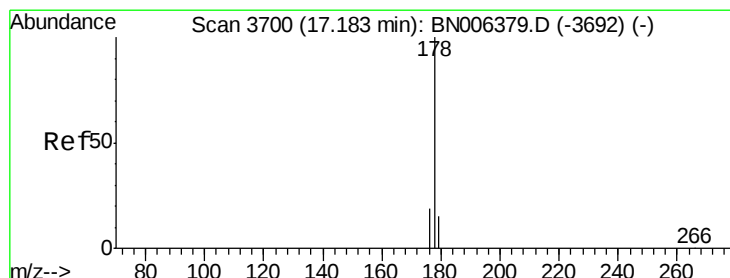
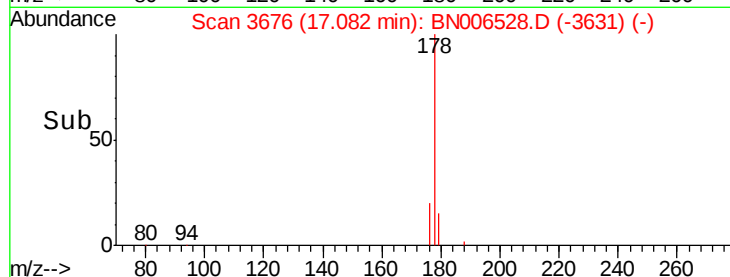
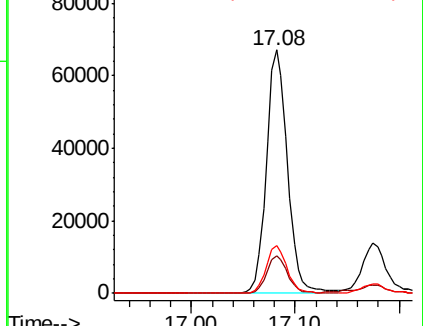
176 19.7 15.3 22.9



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: 0.367 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.01 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

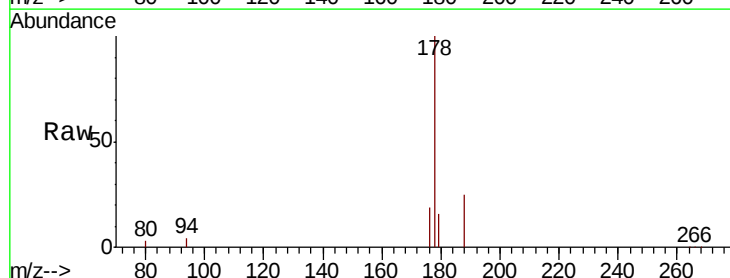
Tgt Ion:178 Resp: 22246

Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

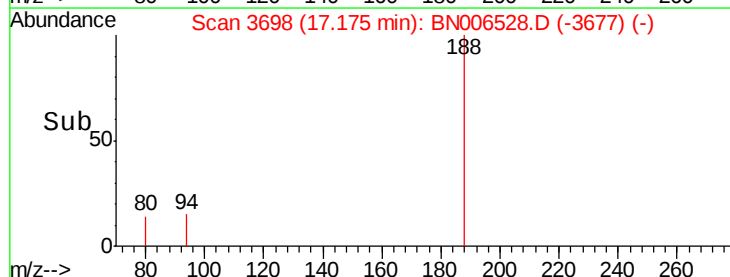
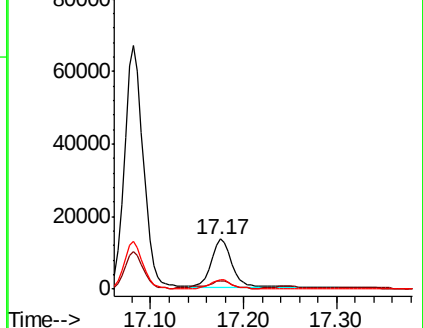
176 19.4 15.1 22.7

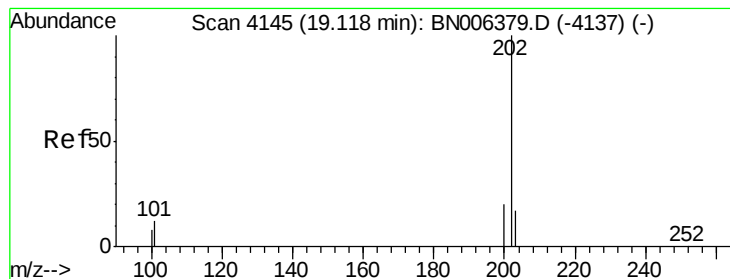


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.574 ng/ul

RT: 19.11 min Scan# 4144

Delta R.T. -0.00 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

Instrument :

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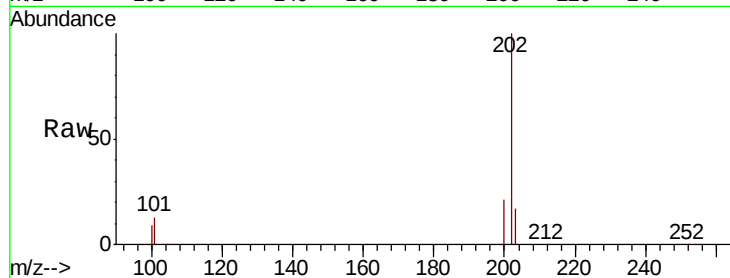
Tgt Ion:202 Resp: 180267

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.1

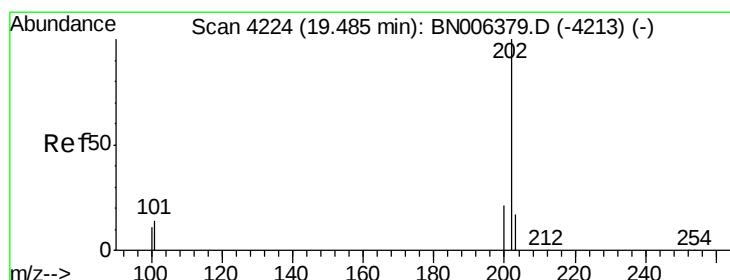
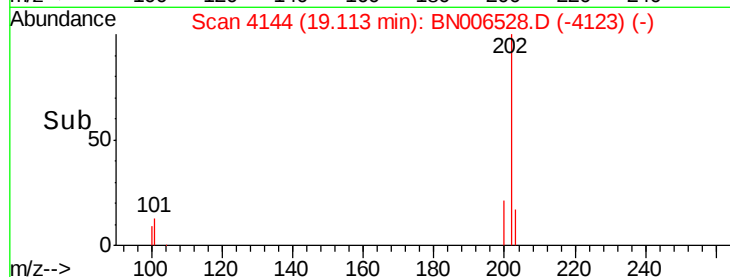
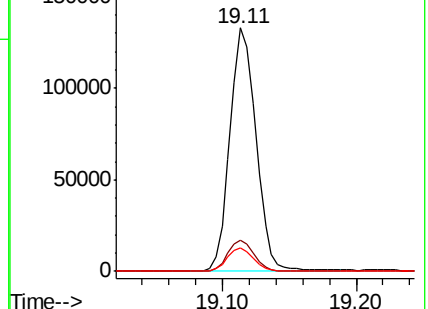
100 9.4 0.0 28.7



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: 3.277 ng/ul

RT: 19.48 min Scan# 4223

Delta R.T. -0.00 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

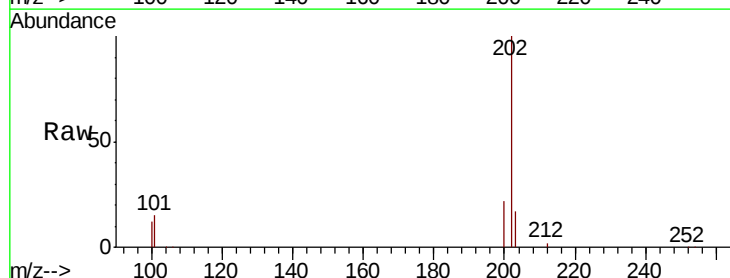
Tgt Ion:202 Resp: 158397

Ion Ratio Lower Upper

202 100

101 14.8 12.2 18.2

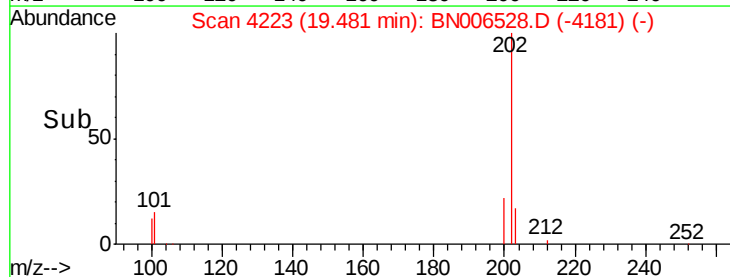
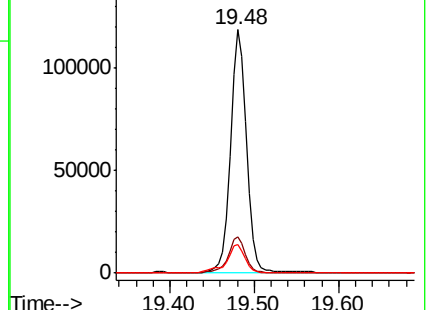
100 11.6 9.8 14.6

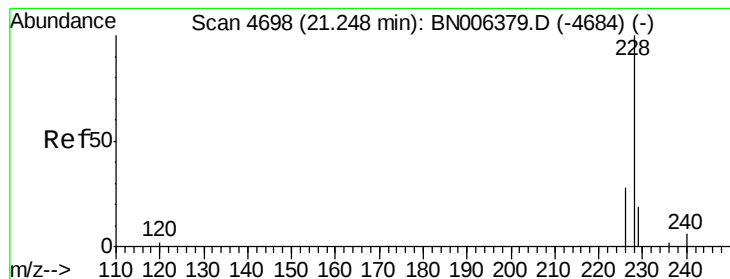


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.478 ng/ul

RT: 21.27 min Scan# 4704

Delta R.T. 0.01 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

Instrument :

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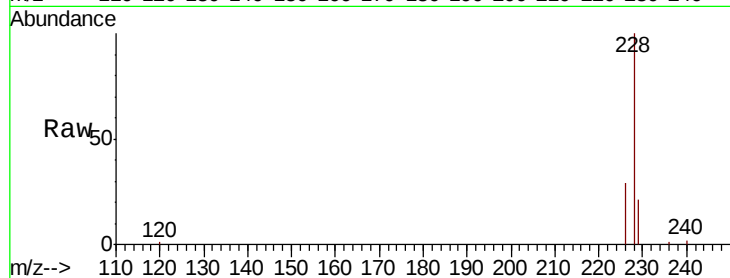
Tgt Ion:228 Resp: 59968

Ion Ratio Lower Upper

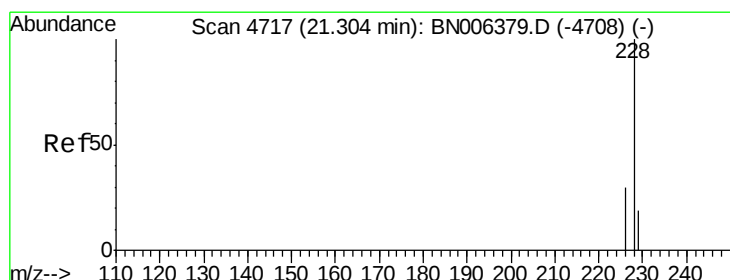
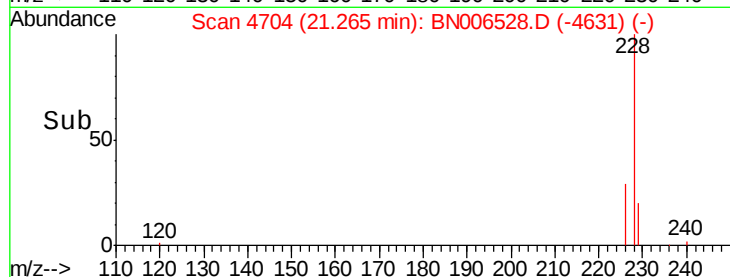
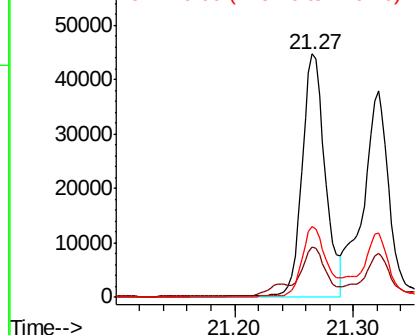
228 100

229 20.6 16.5 24.7

226 28.9 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: 1.530 ng/ul

RT: 21.32 min Scan# 4723

Delta R.T. 0.01 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

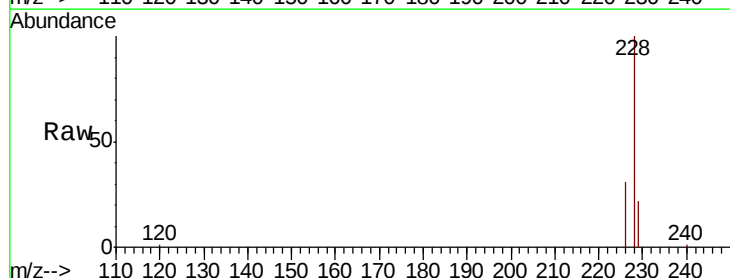
Tgt Ion:228 Resp: 58290

Ion Ratio Lower Upper

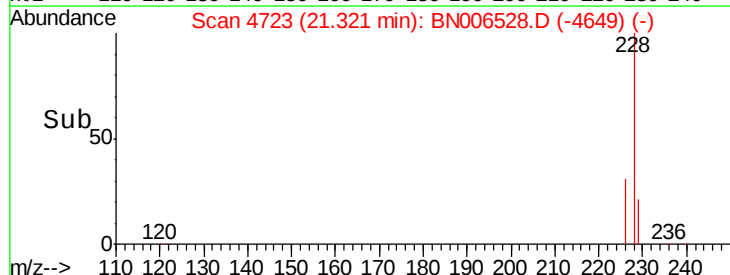
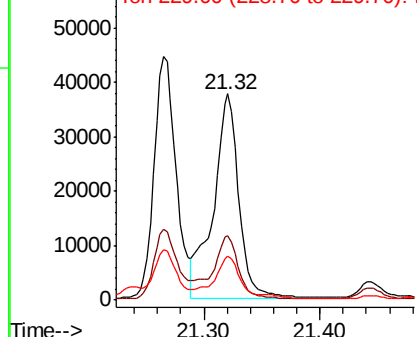
228 100

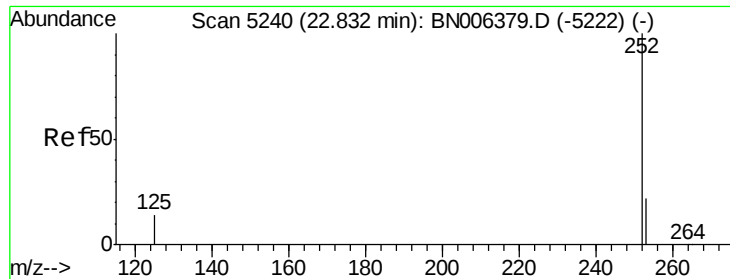
226 31.4 25.0 37.6

229 21.6 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: 2.148 ng/ul

RT: 22.87 min Scan# 5253

Delta R.T. 0.03 min

Lab File: BN006528.D

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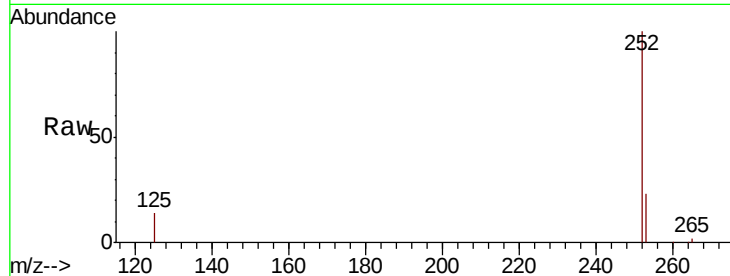
Tgt Ion:252 Resp: 93791

Ion Ratio Lower Upper

252 100

253 22.8 0.0 51.4

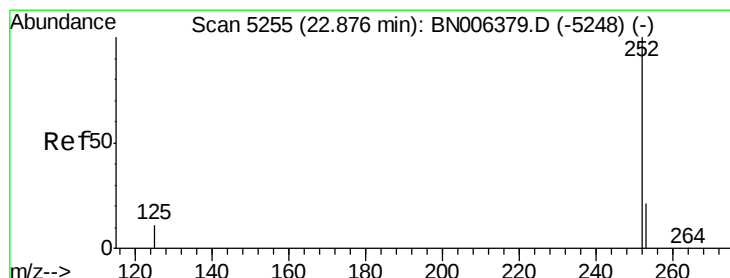
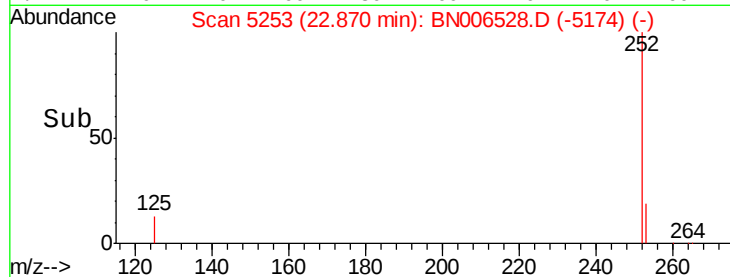
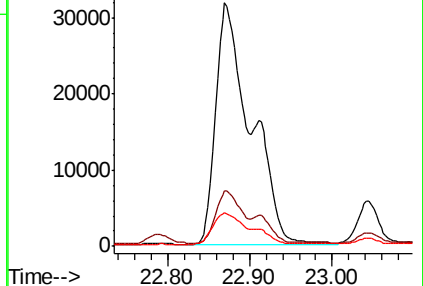
125 13.8 0.0 41.0



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: 0.185 ng/ul

RT: 23.04 min Scan# 5312

Delta R.T. 0.16 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

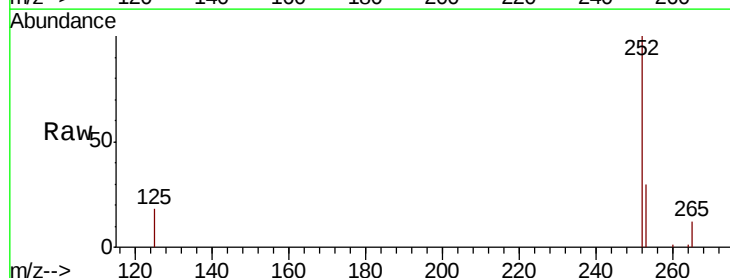
Tgt Ion:252 Resp: 7861

Ion Ratio Lower Upper

252 100

253 30.4 20.3 30.5

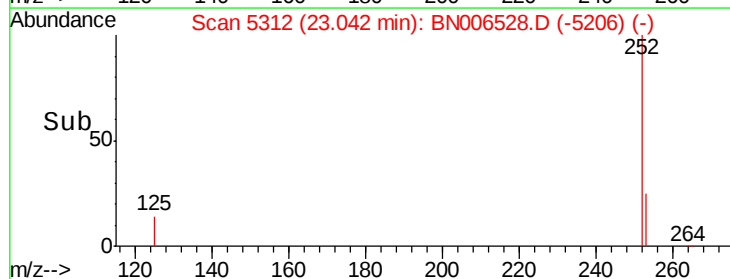
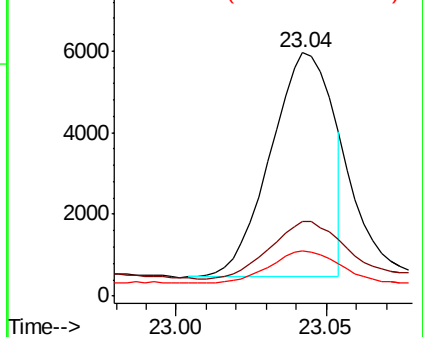
125 18.5 14.3 21.5

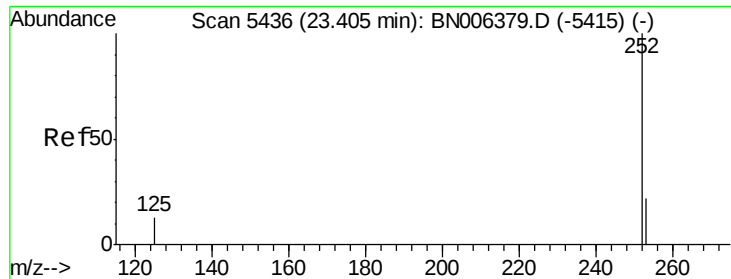


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.203 ng/u1

RT: 23.44 min Scan# 5449

Delta R.T. 0.03 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

Instrument :

BNA_N

ClientSampleId :

A4235DL

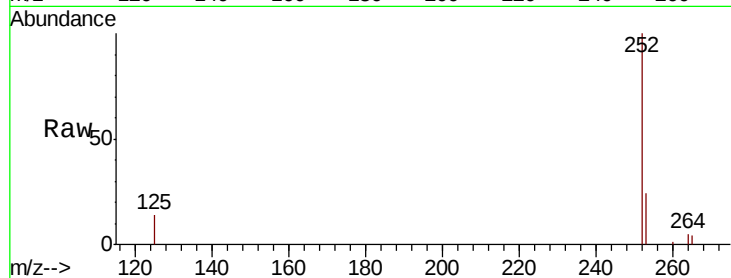
Tgt Ion:252 Resp: 48927

Ion Ratio Lower Upper

252 100

253 23.7 21.1 31.7

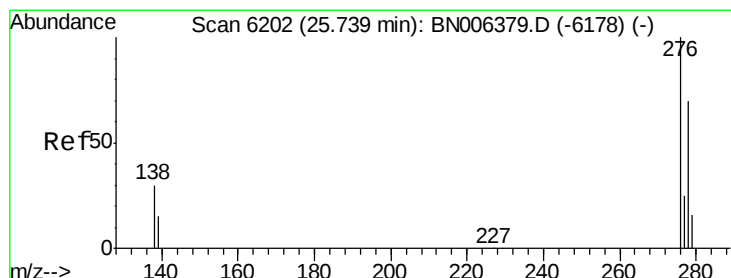
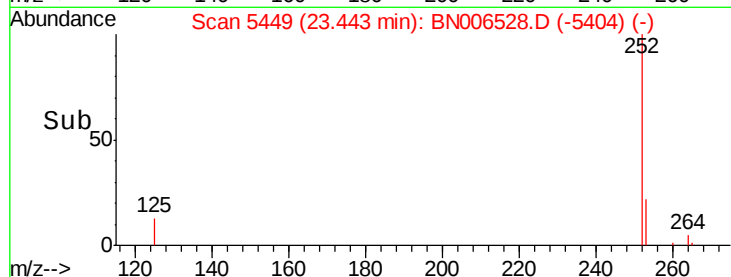
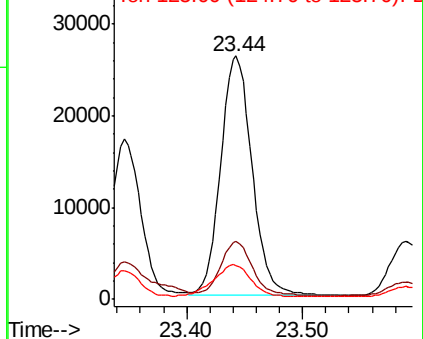
125 13.9 20.3 30.5#



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: 0.701 ng/u1

RT: 25.79 min Scan# 6217

Delta R.T. 0.04 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

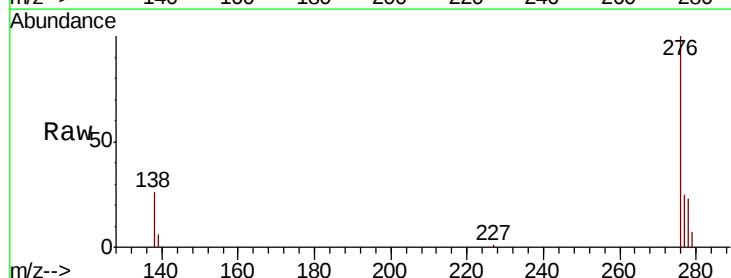
Tgt Ion:276 Resp: 30840

Ion Ratio Lower Upper

276 100

138 25.9 25.6 38.4

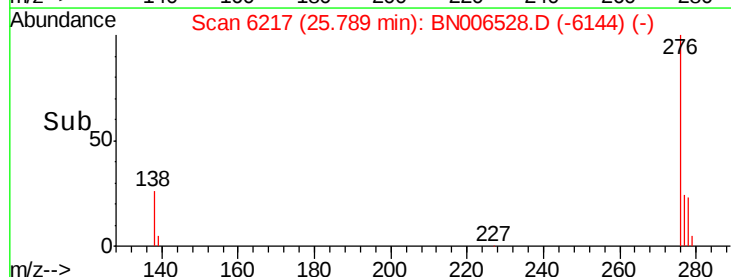
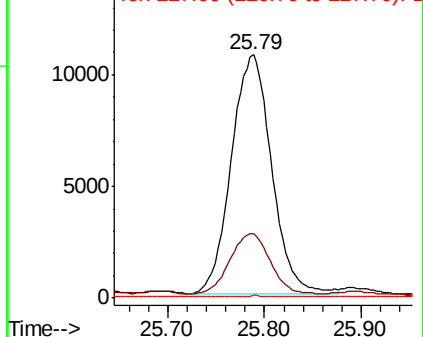
227 0.1 0.3 0.5#

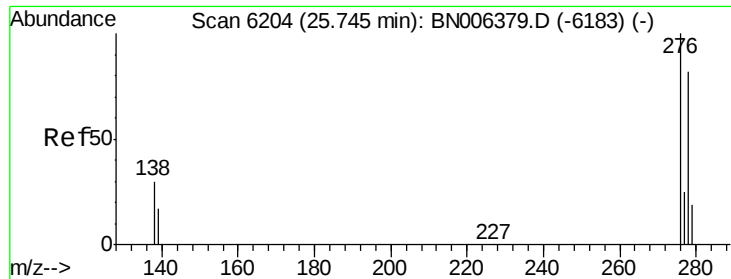


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.220 ng/u1

RT: 25.79 min Scan# 6217

Delta R.T. 0.04 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

Instrument :

BNA_N

ClientSampleId :

A4235DL

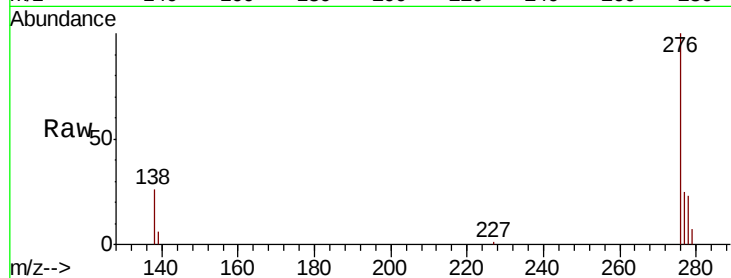
Tgt Ion:278 Resp: 7756

Ion Ratio Lower Upper

278 100

139 26.6 21.2 31.8

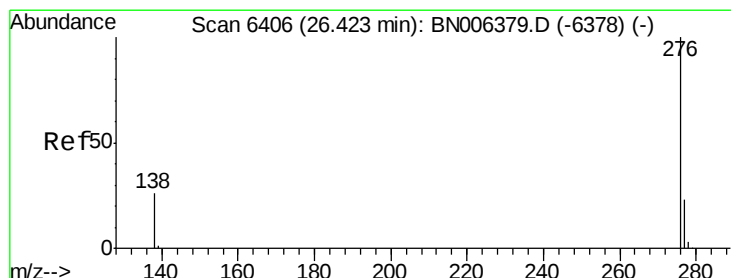
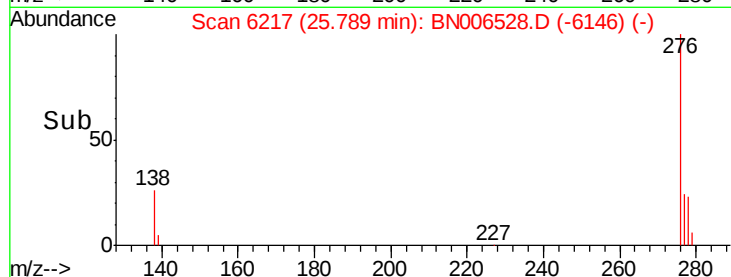
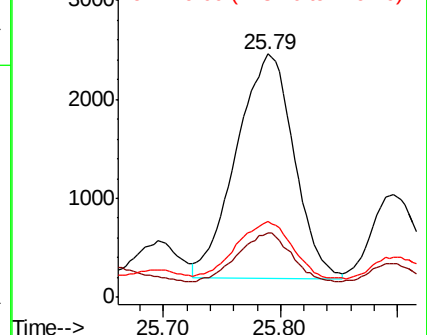
279 31.1 22.6 33.8



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: 0.729 ng/u1

RT: 26.47 min Scan# 6420

Delta R.T. 0.04 min

Lab File: BN006528.D

Acq: 24 Jun 2019 13:35

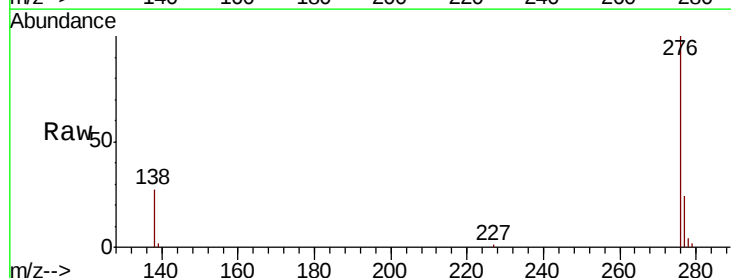
Tgt Ion:276 Resp: 26890

Ion Ratio Lower Upper

276 100

138 27.1 24.2 36.4

277 24.4 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

