

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061318\
 Data File : BN001854.D
 Acq On : 13 Jun 2018 21:40
 Operator : JU/SJ
 Sample : J3375-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 14 05:25:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN061318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 12:02:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	8622	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	35021	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	22495	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.20	188	2764526	0.40	ng/ul	0.10
16) Chrysene-d12	21.44	240	15	0.40	ng/ul	0.14
20) Perylene-d12	23.81	264	18	0.40	ng/ul	0.27

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	24404	0.44	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

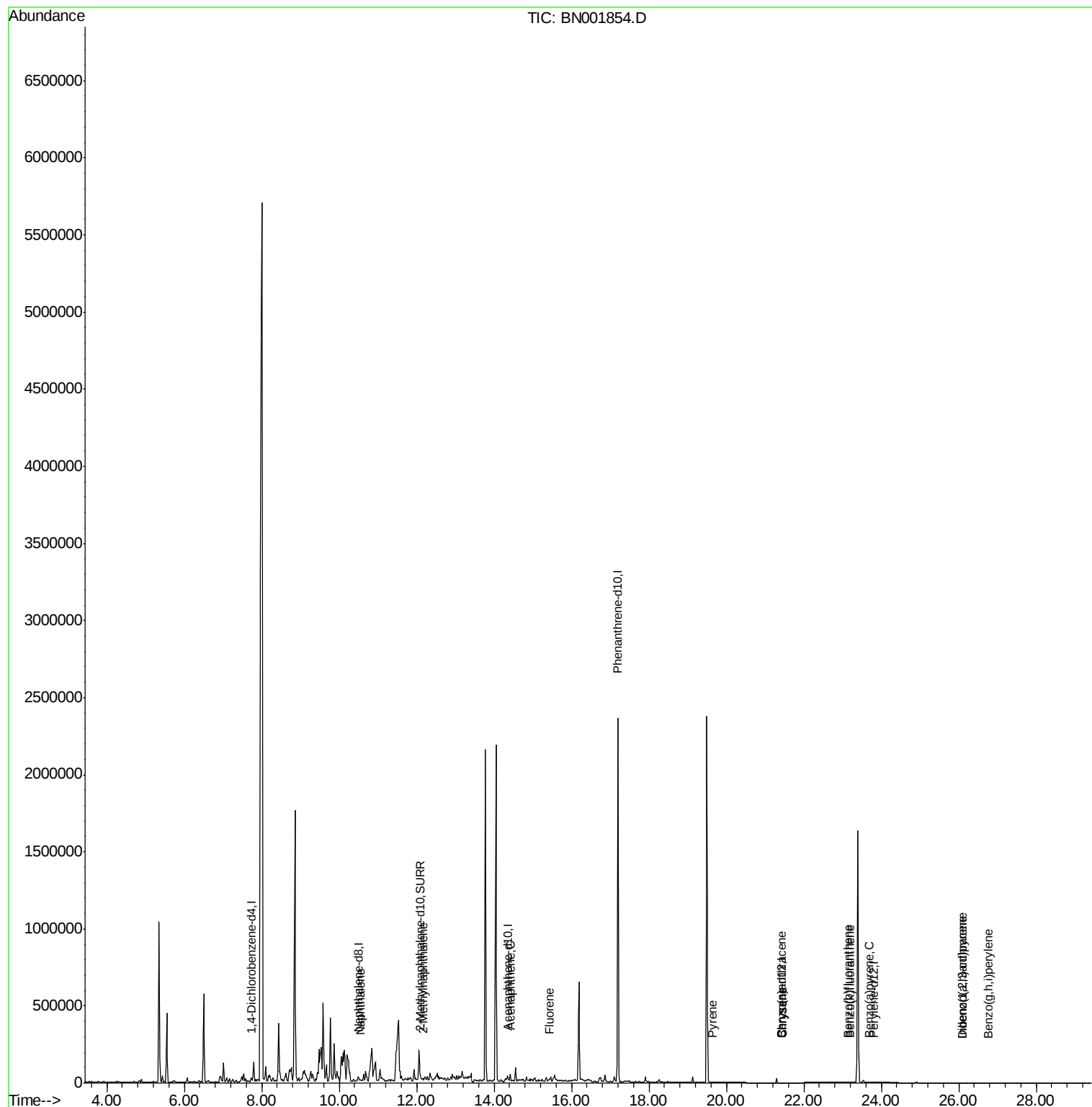
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.55	128	9938	0.110	ng/ul#	70
5) 2-Methylnaphthalene	12.16	142	2932	0.045	ng/ul#	1
8) Acenaphthene	14.42	153	4119	0.051	ng/ul#	70
9) Fluorene	15.41	166	5520	0.058	ng/ul#	74
17) Pyrene	19.65	202	456	8.363	ng/ul#	1
18) Benzo(a)anthracene	21.43	228	52	1.003	ng/ul#	1
19) Chrysene	21.46	228	33	0.640	ng/ul#	1
21) Benzo(b)fluoranthene	23.13	252	22	0.337	ng/ul#	1
22) Benzo(k)fluoranthene	23.18	252	13	0.200	ng/ul#	1
23) Benzo(a)pyrene	23.70	252	19	0.313	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.10	276	8	0.117	ng/ul#	36
25) Dibenzo(a,h)anthracene	26.09	278	8	0.147	ng/ul#	1
26) Benzo(g,h,i)perylene	26.76	276	5	0.086	ng/ul#	1

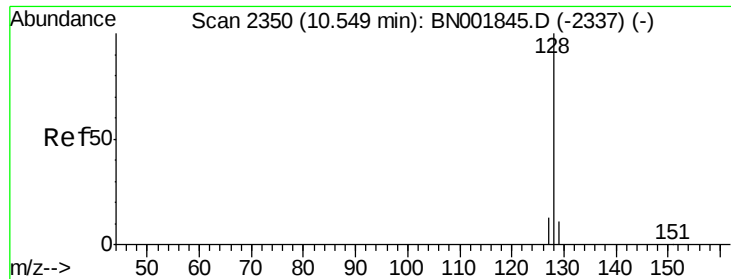
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.110 ng/ul

RT: 10.55 min Scan# 2350

Delta R.T. -0.00 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

Instrument :

BNA_N

ClientSampleId :

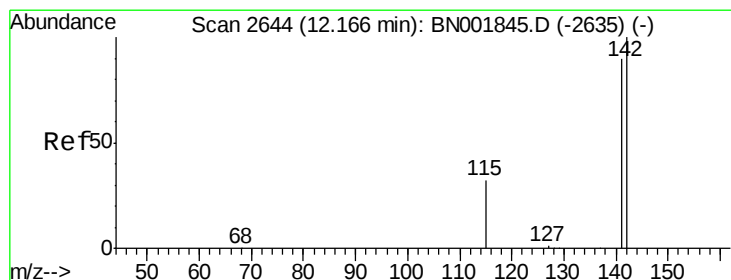
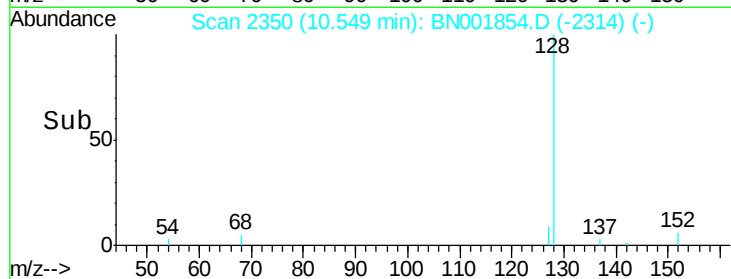
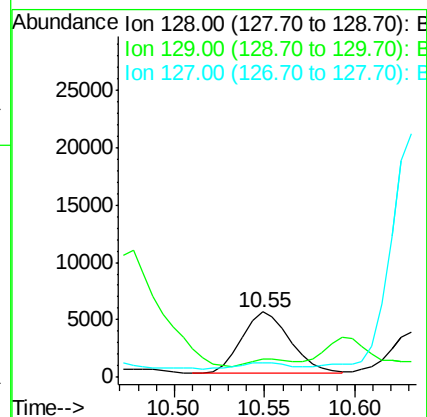
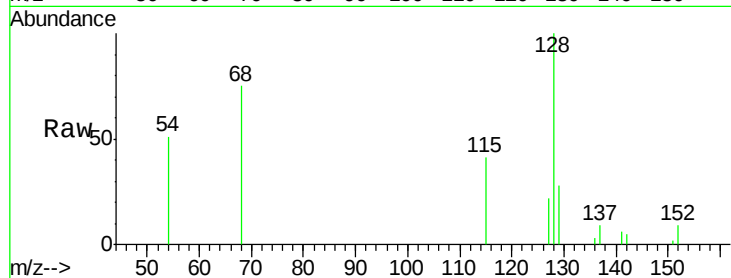
Tot Ion:128 Resp: 9938

Ion Ratio Lower Upper

128 100

129 27.7 8.0 12.0#

127 22.4 12.0 18.0#



#5

2-Methylnaphthalene

Concen: 0.045 ng/ul

RT: 12.16 min Scan# 2643

Delta R.T. -0.01 min

Lab File: BN001854.D

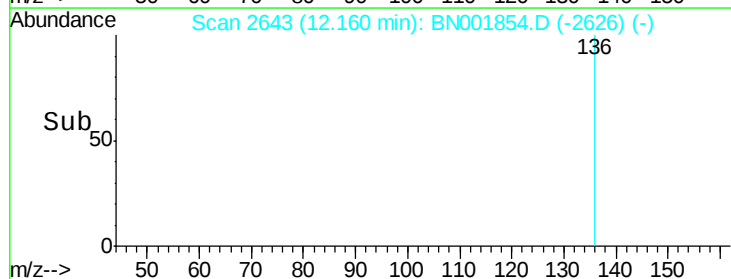
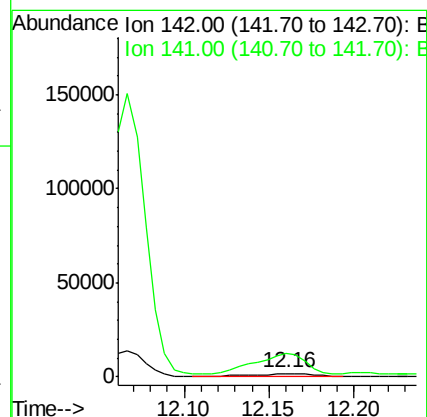
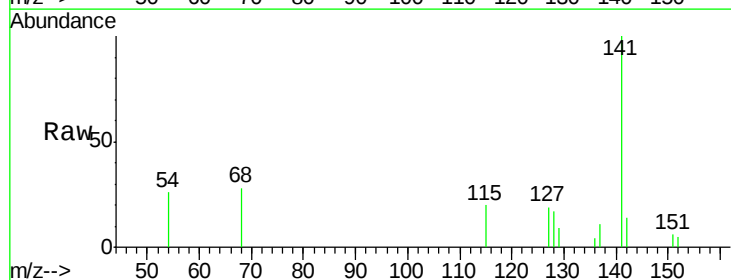
Acq: 13 Jun 2018 21:40

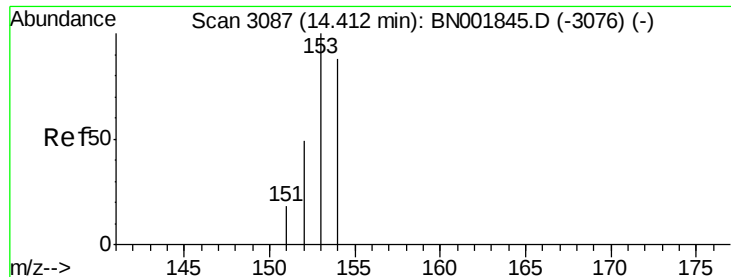
Tgt Ion:142 Resp: 2932

Ion Ratio Lower Upper

142 100

141 757.4 72.6 108.8#





#8

Acenaphthene

Concen: 0.051 ng/ul

RT: 14.42 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

Instrument :

BNA_N

ClientSampleId :

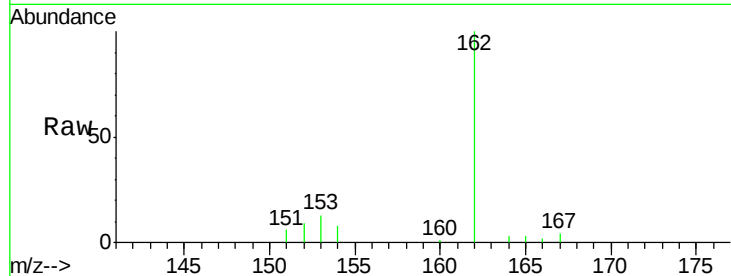
Tot Ion:153 Resp: 4119

Ion Ratio Lower Upper

153 100

152 68.4 36.0 54.0#

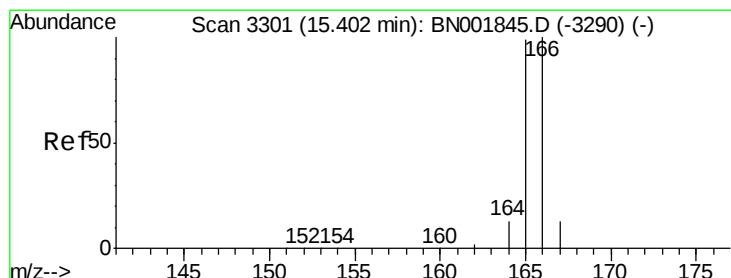
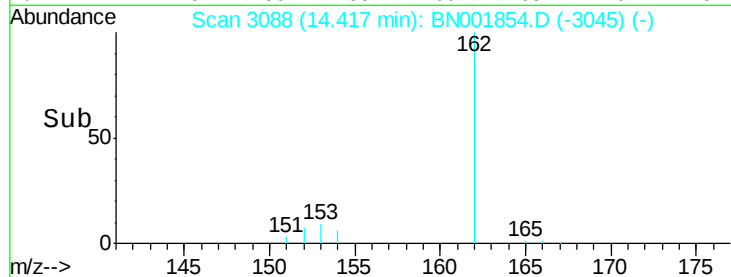
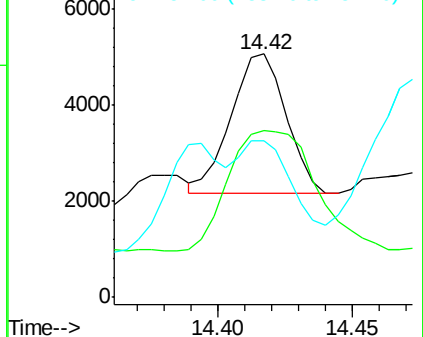
154 64.0 72.0 108.0#



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: 0.058 ng/ul

RT: 15.41 min Scan# 3302

Delta R.T. -0.00 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

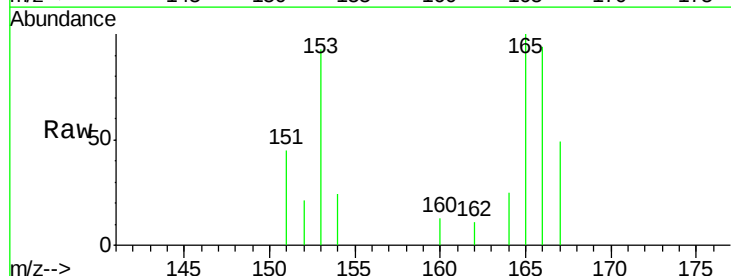
Tgt Ion:166 Resp: 5520

Ion Ratio Lower Upper

166 100

165 106.4 73.4 110.2

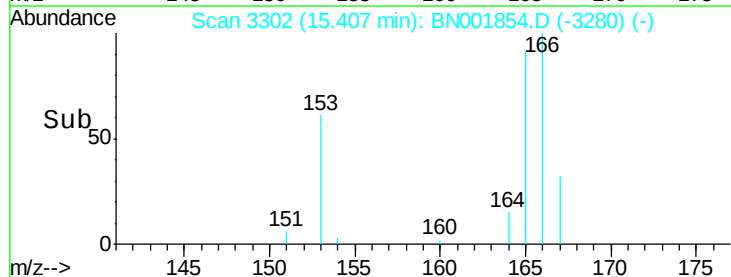
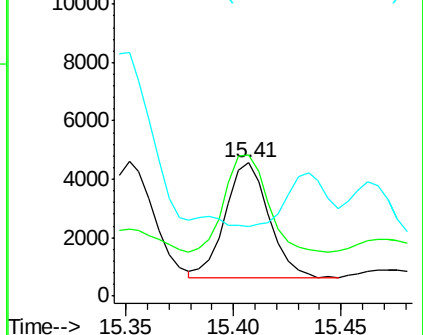
167 52.5 14.6 22.0#

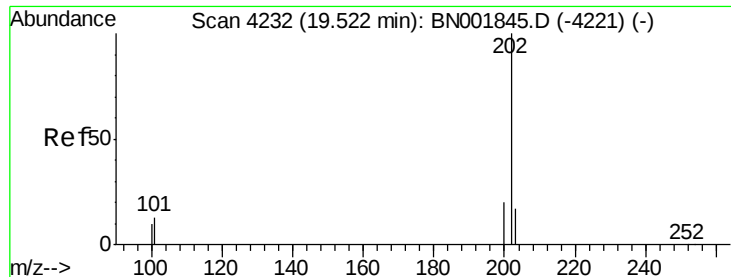


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#17

Pvrene

Concen: 8.363 ng/ul

RT: 19.65 min Scan# 4259

Delta R.T. 0.12 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

Instrument :

BNA_N

ClientSampleId :

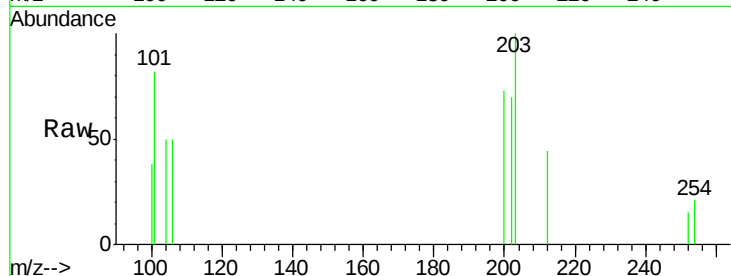
Tot Ion:202 Resp: 456

Ion Ratio Lower Upper

202 100

101 116.0 12.0 18.0#

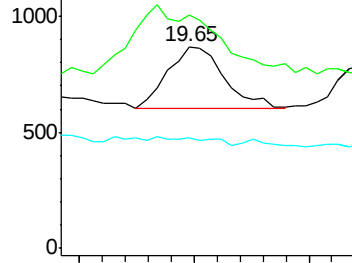
100 54.7 8.0 12.0#



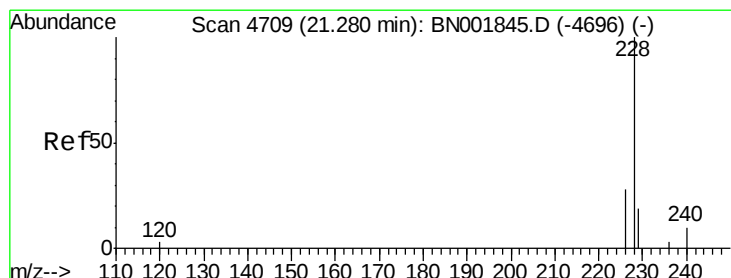
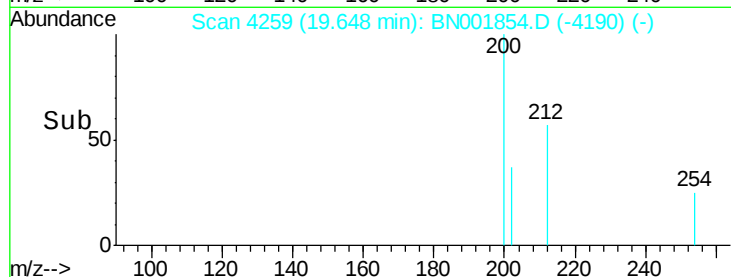
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.60 19.65 19.70



#18

Benzo(a)anthracene

Concen: 1.003 ng/ul

RT: 21.43 min Scan# 4760

Delta R.T. 0.15 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

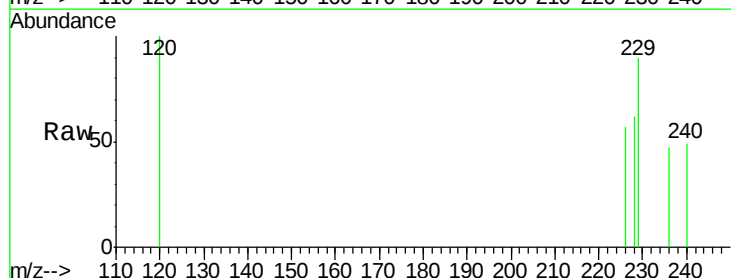
Tgt Ion:228 Resp: 52

Ion Ratio Lower Upper

228 100

229 144.6 22.8 34.2#

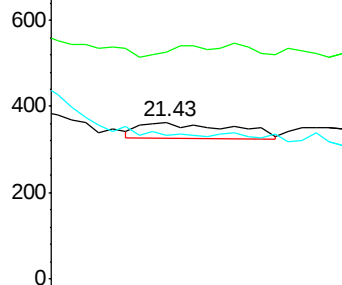
226 92.0 17.0 25.6#



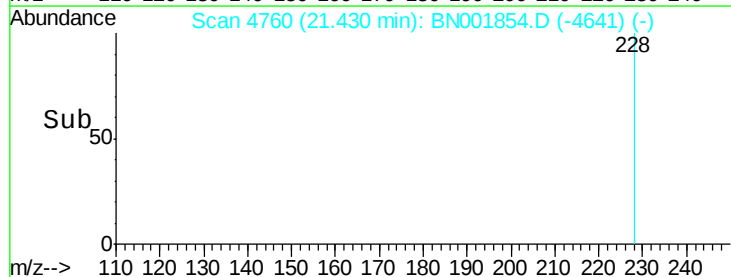
Abundance Ion 228.00 (227.70 to 228.70): E

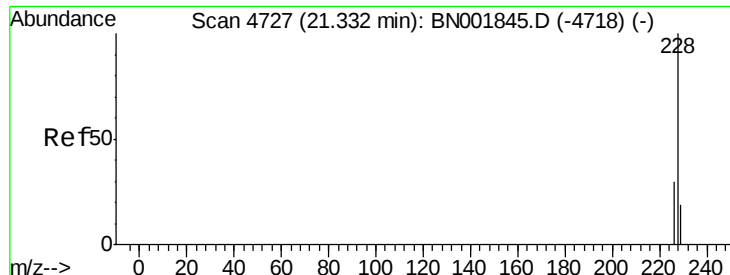
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time--> 21.42 21.44 21.46





#19

Chrysene

Concen: 0.640 ng/ul

RT: 21.46 min Scan# 4770

Delta R.T. 0.13 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

Instrument :

BNA_N

ClientSampleId :

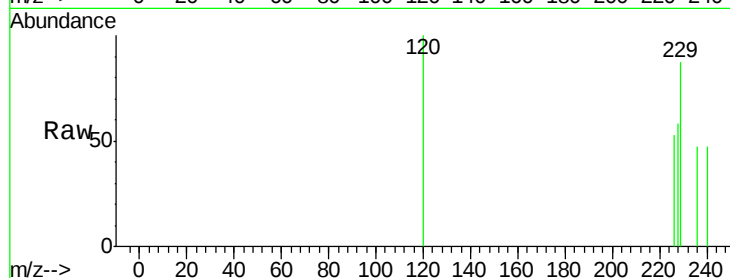
Tot Ion:228 Resp: 33

Ion Ratio Lower Upper

228 100

226 91.5 23.4 35.0#

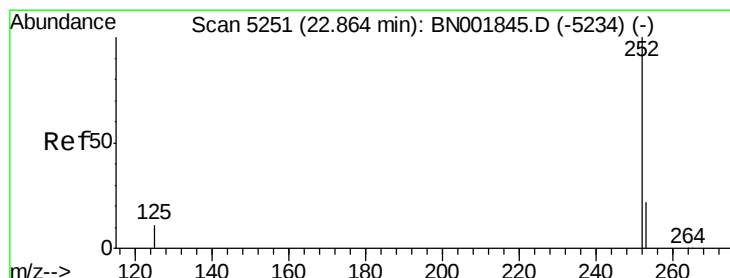
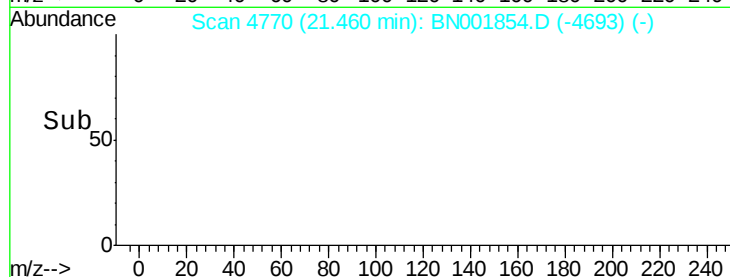
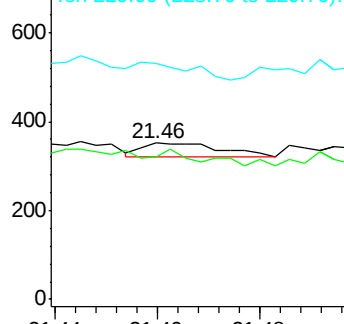
229 150.6 17.7 26.5#



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: 0.337 ng/ul

RT: 23.13 min Scan# 5342

Delta R.T. 0.26 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

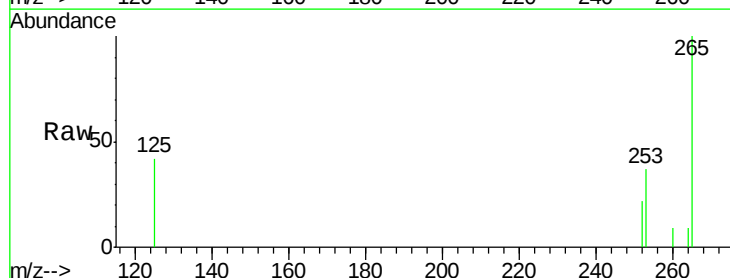
Tgt Ion:252 Resp: 22

Ion Ratio Lower Upper

252 100

253 167.0 0.0 64.2#

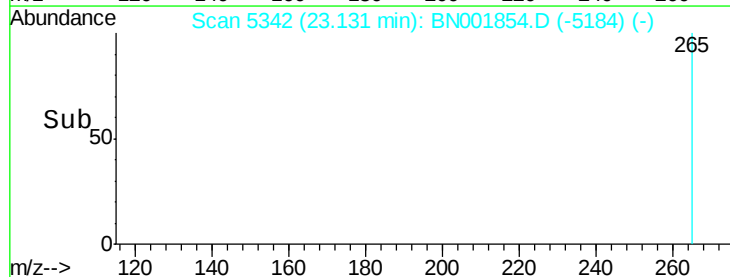
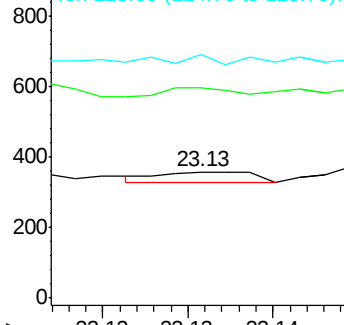
125 193.3 0.0 35.0#

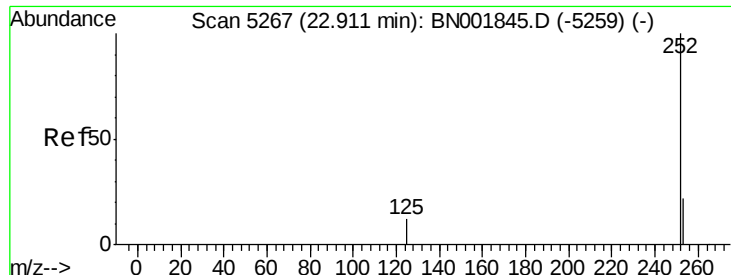


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.200 ng/u1

RT: 23.18 min Scan# 5359

Delta R.T. 0.27 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

Instrument :

BNA_N

ClientSampleId :

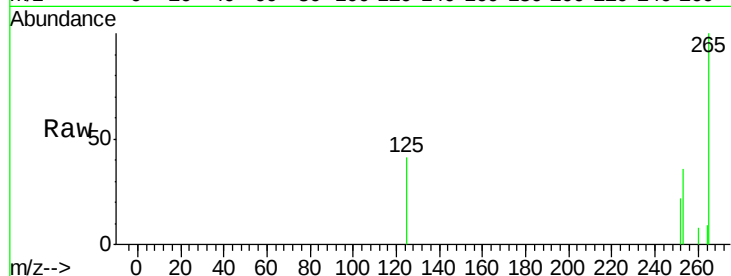
Tot Ion:252 Resp: 13

Ion Ratio Lower Upper

252 100

253 163.2 24.5 36.7#

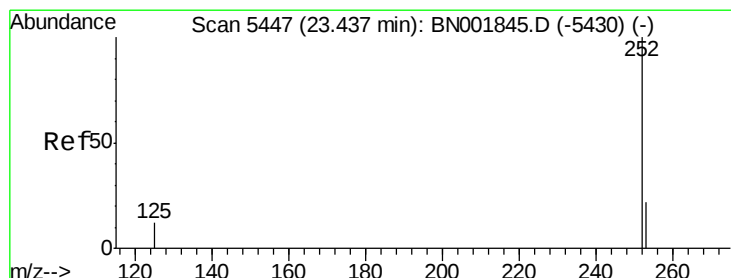
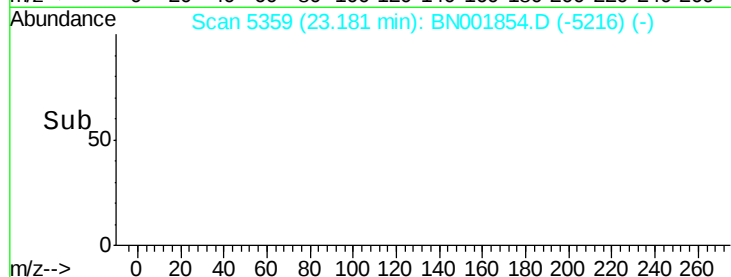
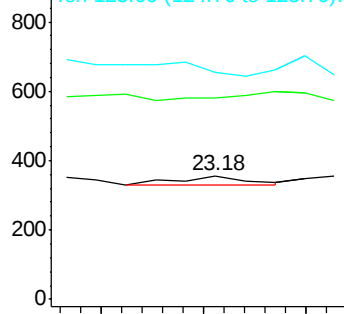
125 184.0 13.7 20.5#



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: 0.313 ng/u1

RT: 23.70 min Scan# 5538

Delta R.T. 0.27 min

Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

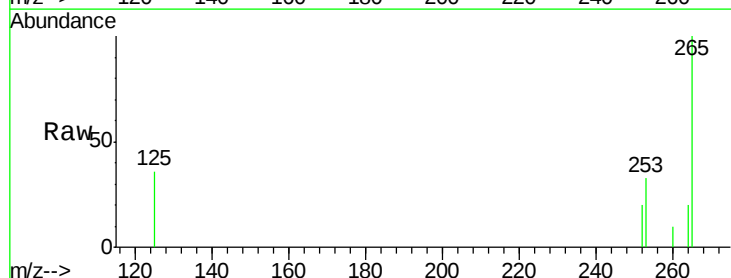
Tgt Ion:252 Resp: 19

Ion Ratio Lower Upper

252 100

253 161.3 16.0 24.0#

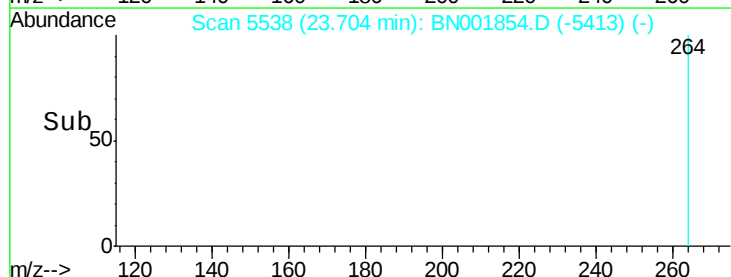
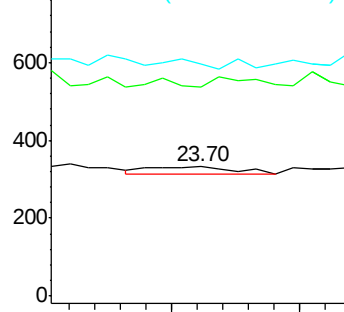
125 179.3 12.0 18.0#

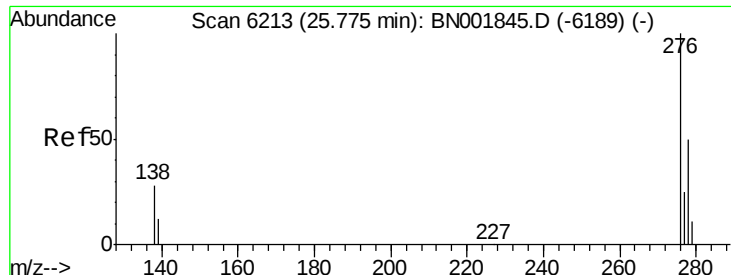


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



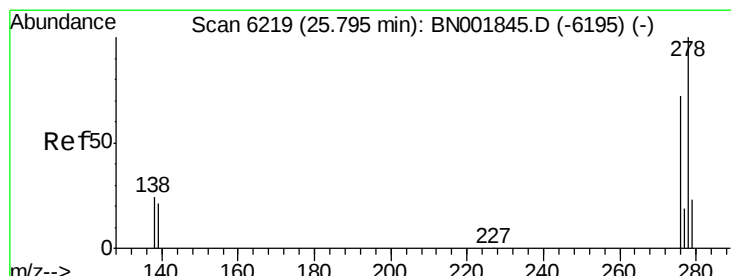
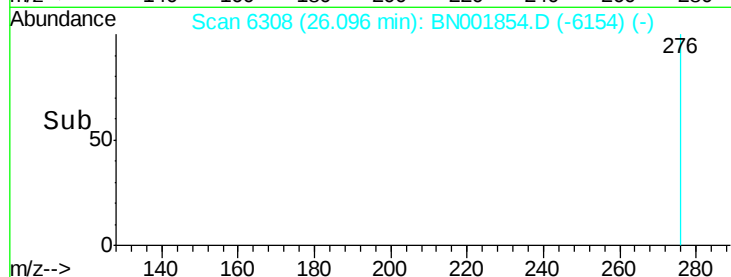
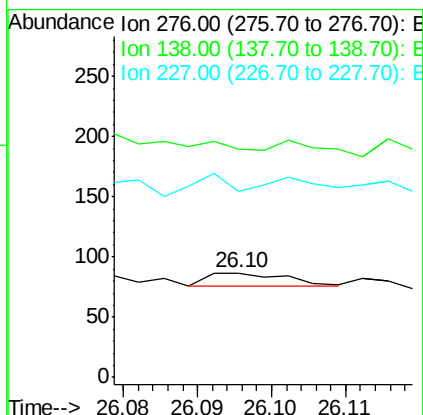
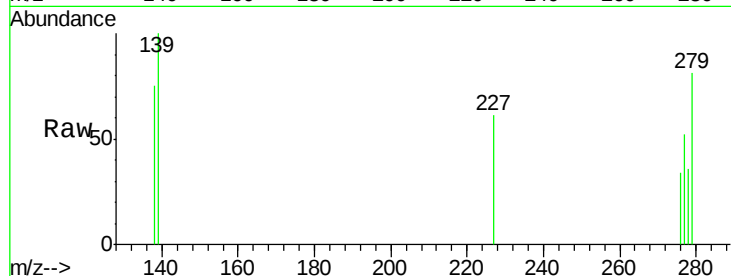


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.117 ng/ul
RT: 26.10 min Scan# 6308
Delta R.T. 0.32 min
Lab File: BN001854.D
Acq: 13 Jun 2018 21:40

Instrument :
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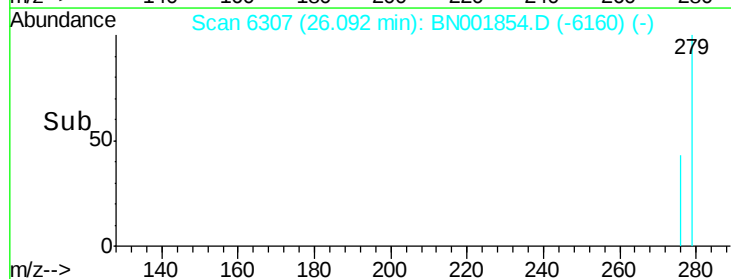
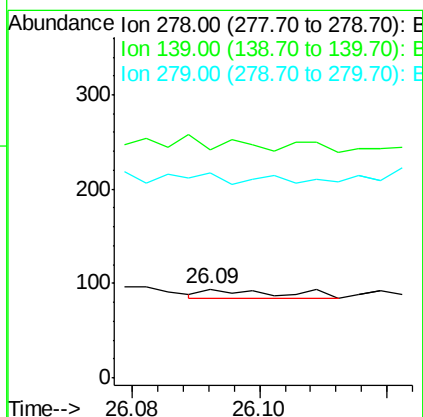
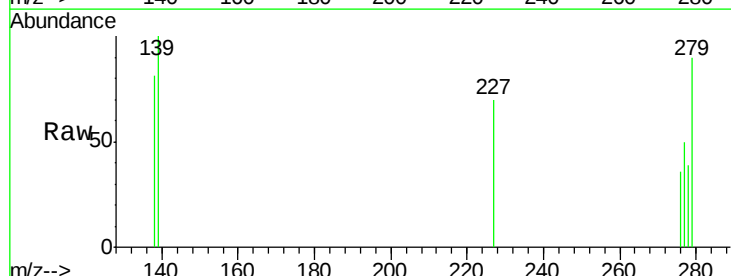
Tot Ion:276 Resp: 8
Ion Ratio Lower Upper
276 100
138 0.0 28.0 42.0#
227 87.5 0.8 1.2#

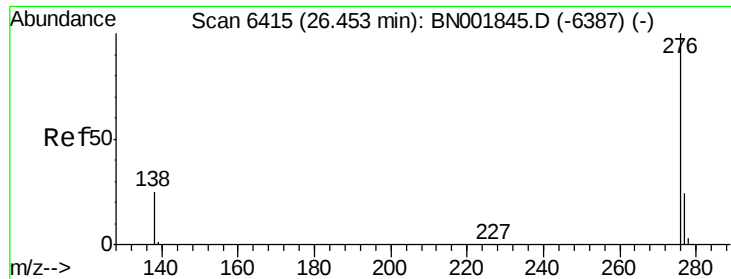


#25

Dibenzo(a,h)anthracene
Concen: 0.147 ng/ul
RT: 26.09 min Scan# 6307
Delta R.T. 0.29 min
Lab File: BN001854.D
Acq: 13 Jun 2018 21:40

Tgt Ion:278 Resp: 8
Ion Ratio Lower Upper
278 100
139 257.4 17.4 26.0#
279 230.9 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.086 ng/ul

RT: 26.76 min Scan# 6507

Delta R.T. 0.31 min

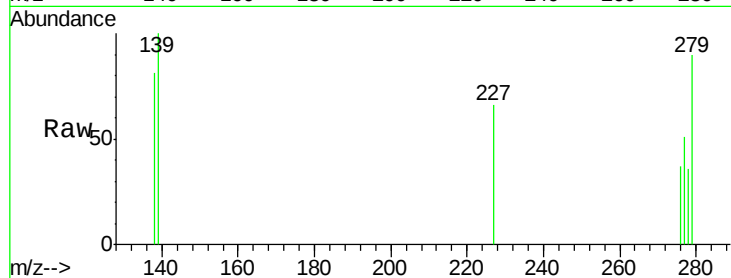
Lab File: BN001854.D

Acq: 13 Jun 2018 21:40

Instrument :

BNA_N

ClientSampleId :



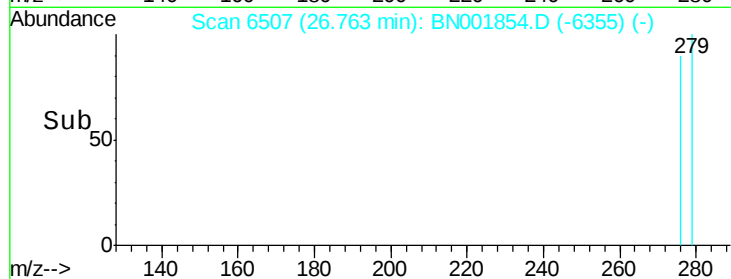
Tot Ion: 276 Resp: 5

Ion Ratio Lower Upper

276 100

138 219.8 21.8 32.8#

277 138.4 20.5 30.7#



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

250

200

150

100

50

0

26.75 26.76 26.77

26.76

Time-->