

Data File : BN003416.D
Acq On : 02 Nov 2018 22:47
Operator : MJ/SJ
Sample : J5701-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A40J3

Quant Time: Nov 02 23:53:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 02 23:49:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	10853	0.40	ng/ul	0.00
2) Naphthalene-d8	10.65	136	45007	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	25553	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.33	188	2194662	0.40	ng/ul	0.10
16) Chrysene-d12	21.57	240	1926	0.40	ng/ul	0.16
20) Perylene-d12	23.99	264	209	0.40	ng/ul	0.26

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.24	152	14979	0.21	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

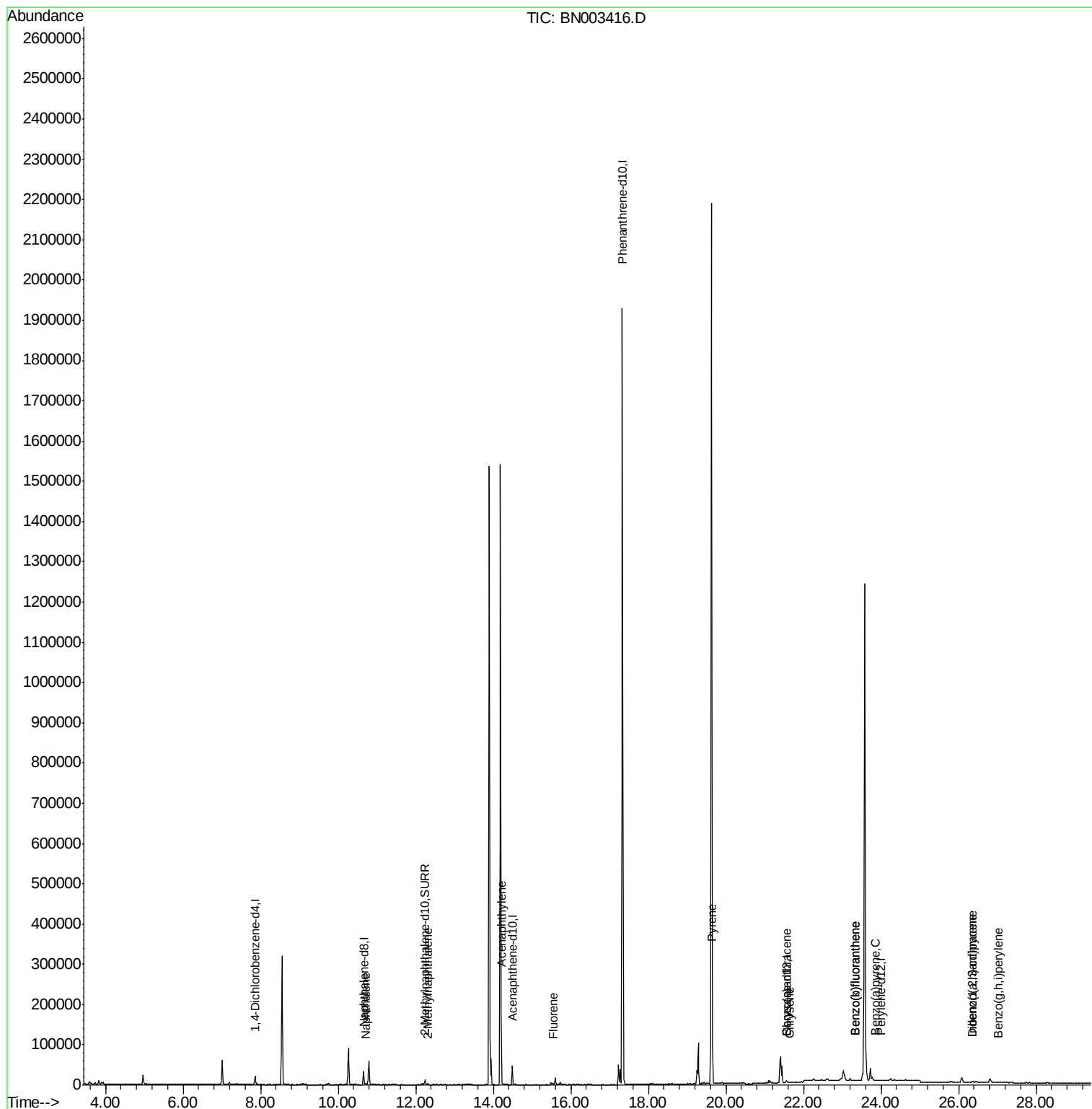
Target Compounds						Qvalue
3) Naphthalene	10.70	128	4363	0.035	ng/ul#	93
5) 2-Methylnaphthalene	12.31	142	2081	0.023	ng/ul	100
7) Acenaphthylene	14.21	152	5746	0.052	ng/ul#	95
9) Fluorene	15.54	166	2382	0.020	ng/ul#	97
17) Pyrene	19.65	202	88828	12.679	ng/ul	98
18) Benzo(a)anthracene	21.56	228	4220	0.699	ng/ul#	1
19) Chrysene	21.65	228	335	0.049	ng/ul#	1
21) Benzo(b)fluoranthene	23.33	252	414	0.460	ng/ul#	1
22) Benzo(k)fluoranthene	23.33	252	414	0.475	ng/ul#	1
23) Benzo(a)pyrene	23.87	252	389	0.517	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.36	276	1299	1.614	ng/ul#	94
25) Dibenzo(a,h)anthracene	26.36	278	4566	6.958	ng/ul#	7
26) Benzo(g,h,i)perylene	27.04	276	785	1.137	ng/ul#	1

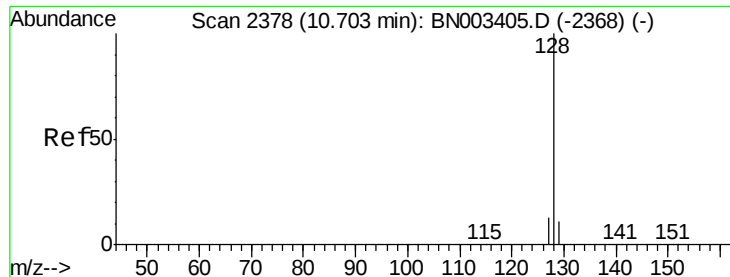
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.035 ng/ul

RT: 10.70 min Scan# 2378

Delta R.T. -0.00 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

Instrument :

BNA_N

ClientSampleId :

A40J3

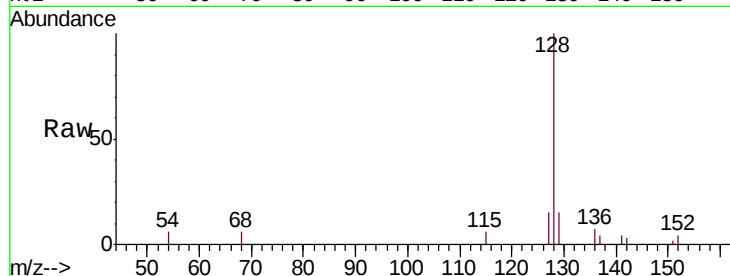
Tgt Ion:128 Resp: 4363

Ion Ratio Lower Upper

128 100

129 14.7 9.0 13.6#

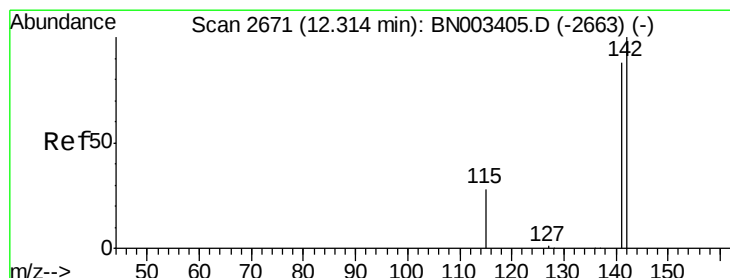
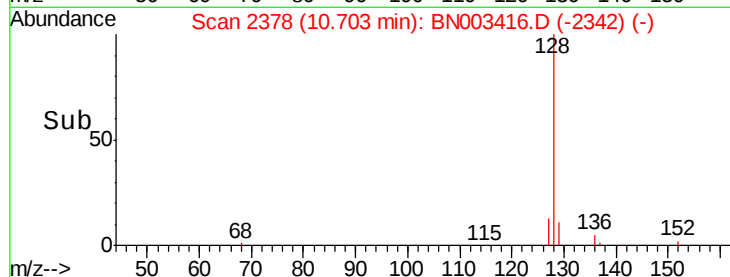
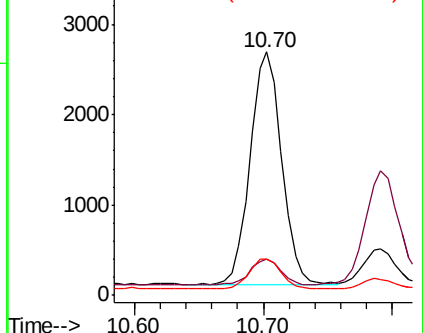
127 15.0 10.5 15.7



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: 0.023 ng/ul

RT: 12.31 min Scan# 2670

Delta R.T. -0.01 min

Lab File: BN003416.D

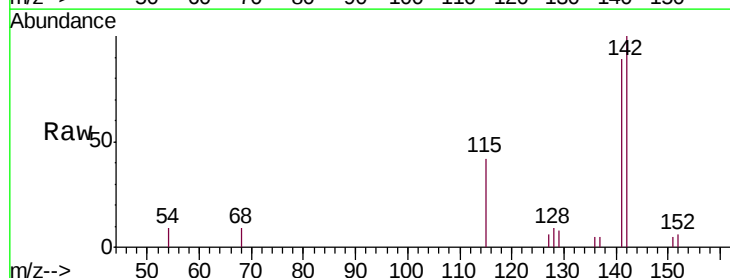
Acq: 02 Nov 2018 22:47

Tgt Ion:142 Resp: 2081

Ion Ratio Lower Upper

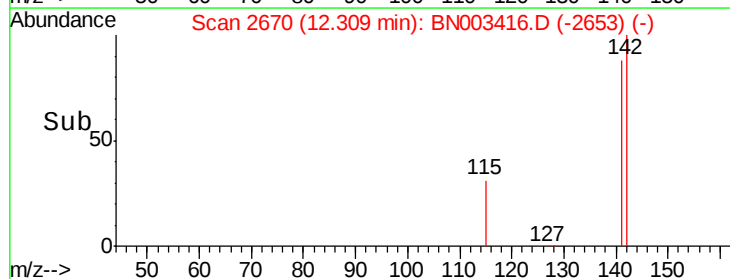
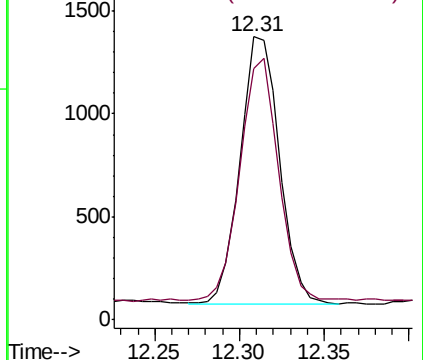
142 100

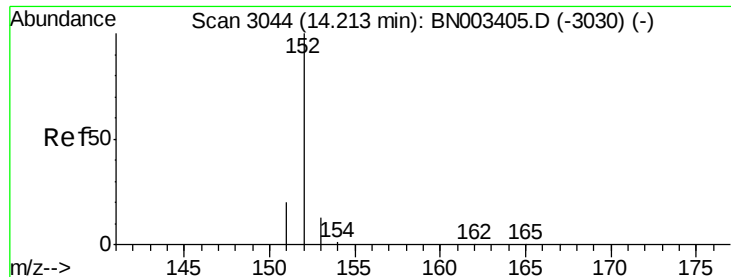
141 88.8 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.052 ng/ul

RT: 14.21 min Scan# 3044

Delta R.T. -0.00 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

Instrument :

BNA_N

ClientSampleId :

A40J3

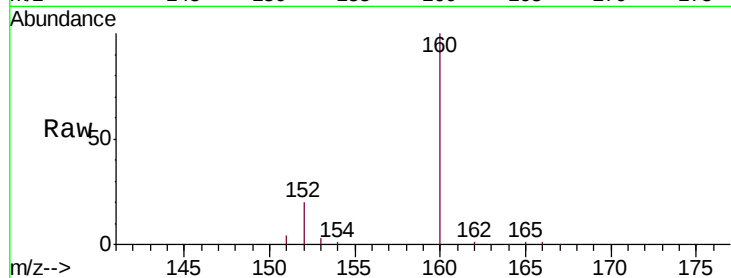
Tgt Ion:152 Resp: 5746

Ion Ratio Lower Upper

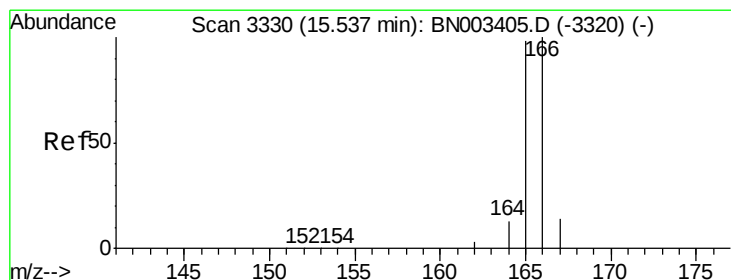
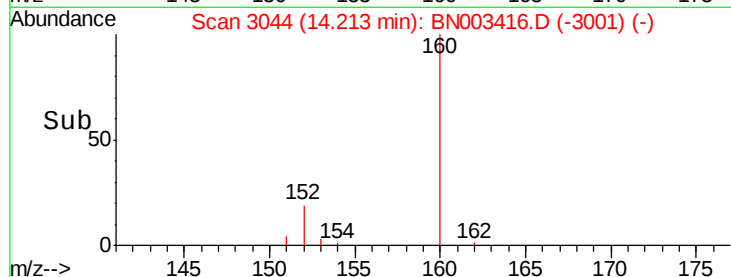
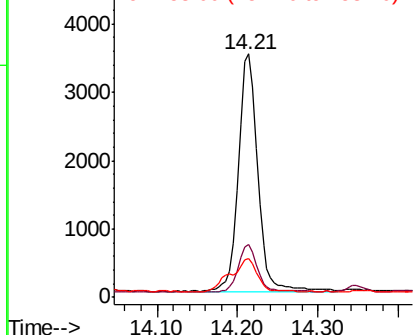
152 100

151 21.6 15.6 23.4

153 15.7 10.4 15.6#



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



#9

Fluorene

Concen: 0.020 ng/ul

RT: 15.54 min Scan# 3330

Delta R.T. -0.00 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

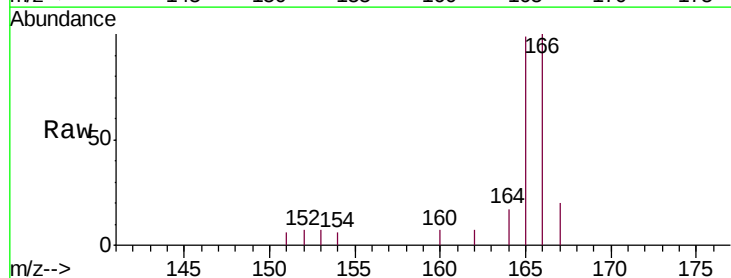
Tgt Ion:166 Resp: 2382

Ion Ratio Lower Upper

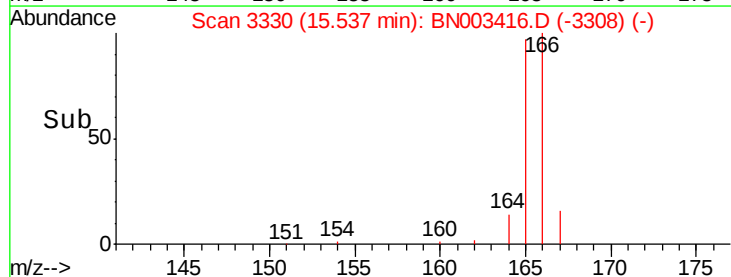
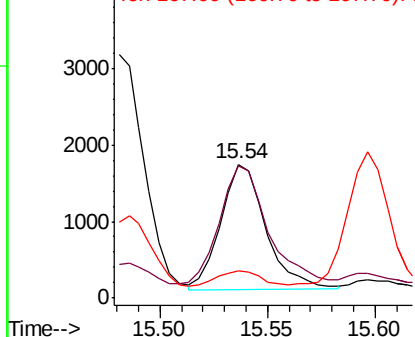
166 100

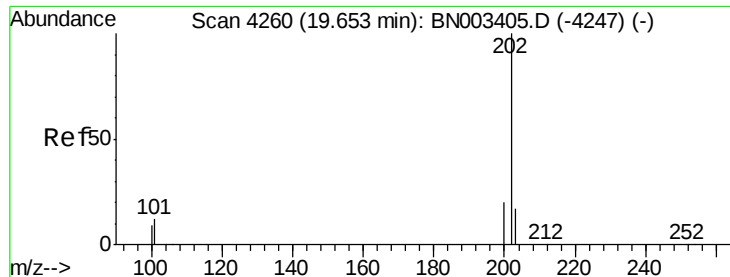
165 99.4 78.3 117.5

167 20.2 10.8 16.2#



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

Pyrene

Concen: 12.679 ng/ul

RT: 19.65 min Scan# 4260

Delta R.T. -0.00 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

Instrument :

BNA_N

ClientSampleId :

A40J3

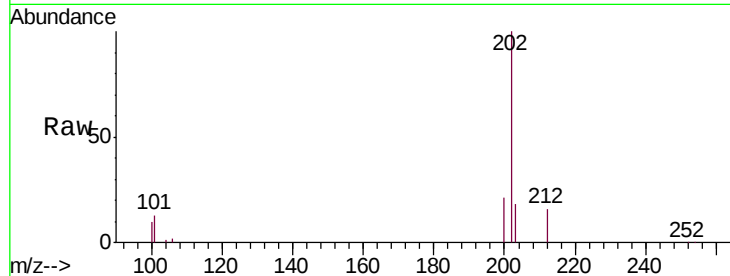
Tgt Ion:202 Resp: 88828

Ion Ratio Lower Upper

202 100

101 12.8 9.5 14.3

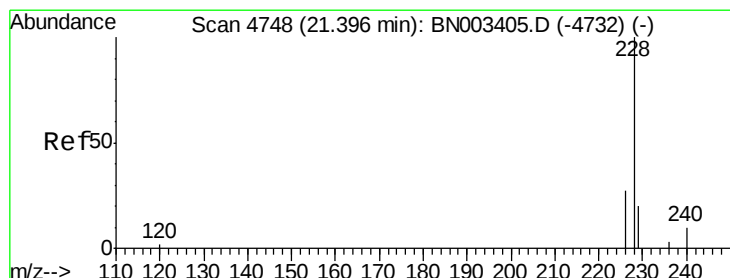
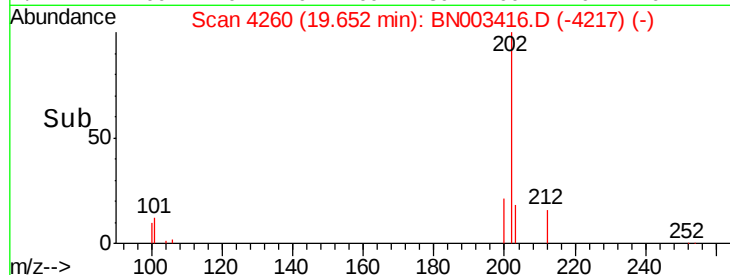
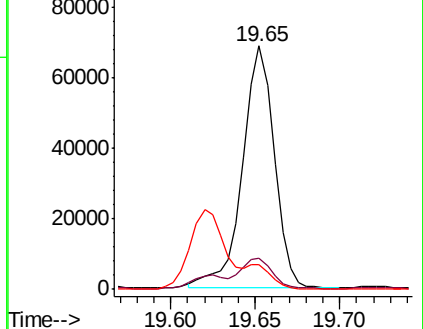
100 10.1 7.5 11.3



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: 0.699 ng/ul

RT: 21.56 min Scan# 4806

Delta R.T. 0.17 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

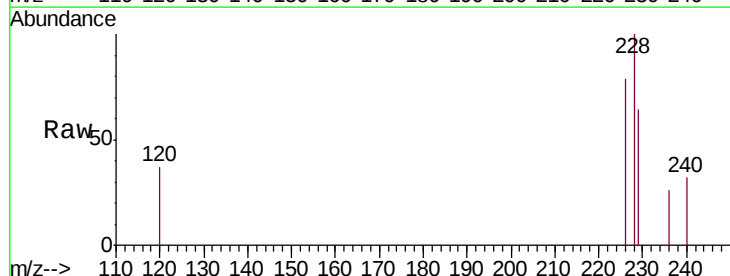
Tgt Ion:228 Resp: 4220

Ion Ratio Lower Upper

228 100

229 63.8 15.5 23.3#

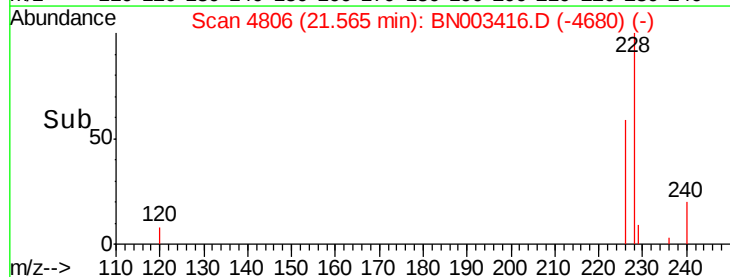
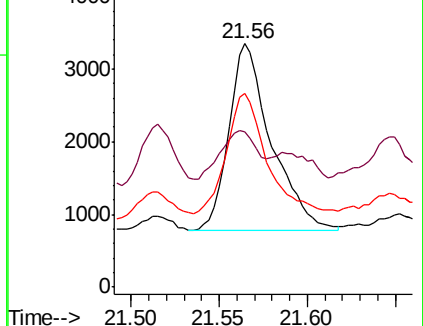
226 79.3 21.5 32.3#

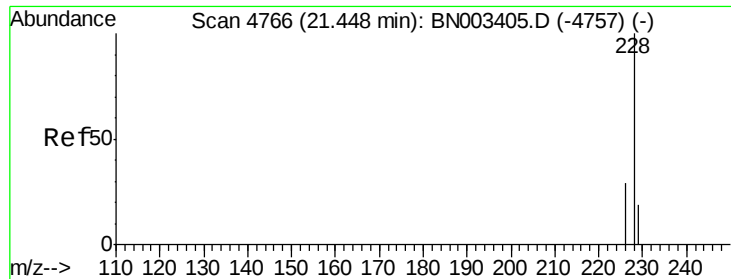


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.049 ng/ul

RT: 21.65 min Scan# 4836

Delta R.T. 0.20 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

Instrument :

BNA_N

ClientSampleId :

A40J3

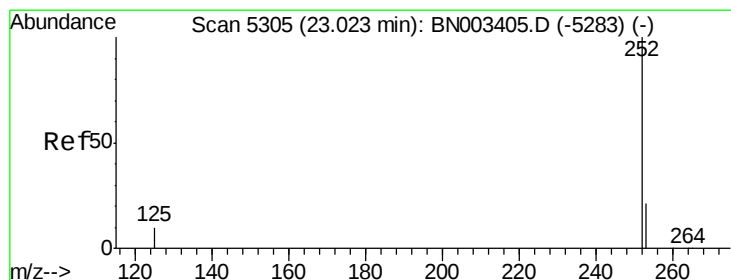
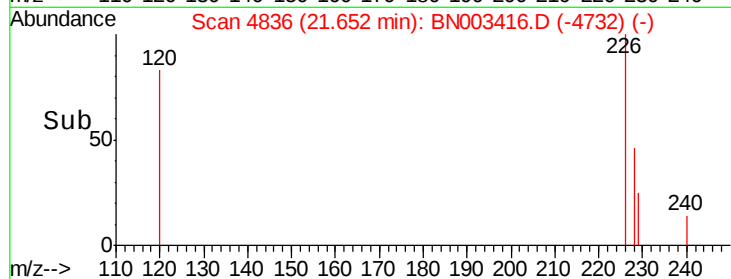
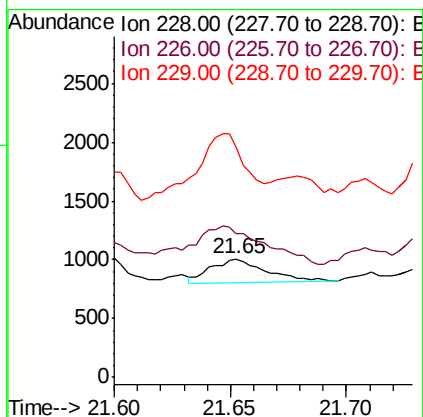
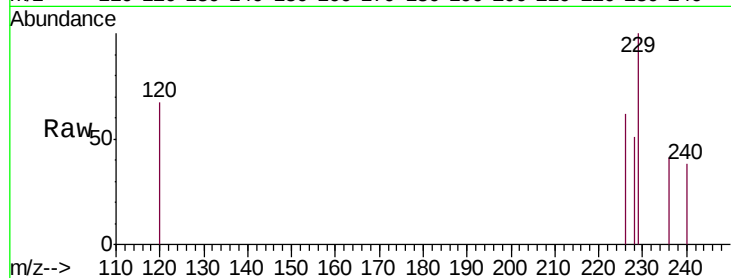
Tgt Ion:228 Resp: 335

Ion Ratio Lower Upper

228 100

226 121.3 23.8 35.6#

229 194.4 15.5 23.3#



#21

Benzo(b)fluoranthene

Concen: 0.460 ng/ul

RT: 23.33 min Scan# 5410

Delta R.T. 0.31 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

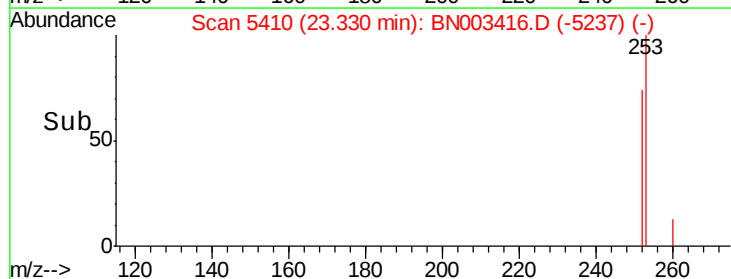
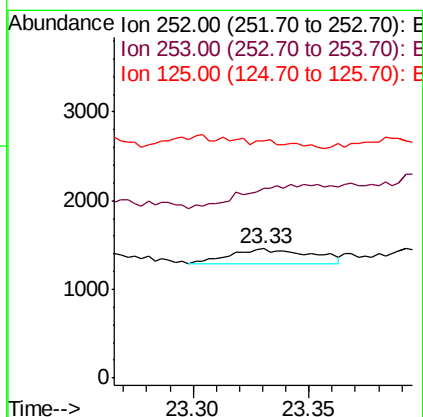
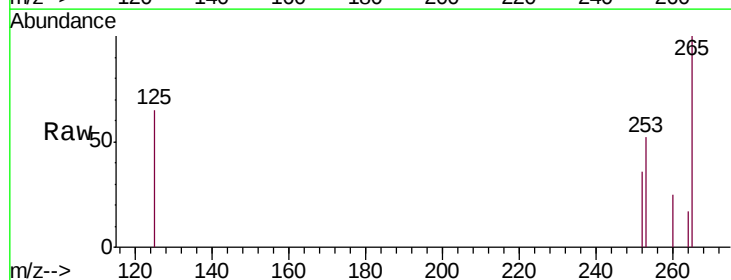
Tgt Ion:252 Resp: 414

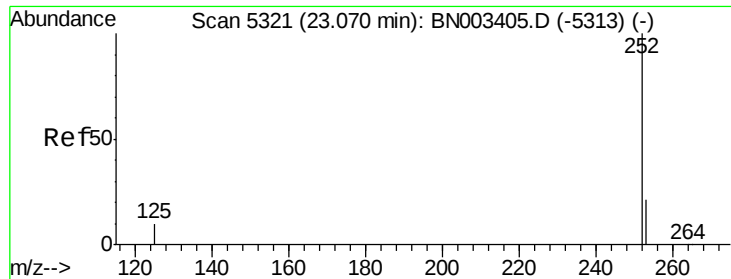
Ion Ratio Lower Upper

252 100

253 146.8 0.0 45.6#

125 184.1 0.0 21.8#





#22

Benzo(k)fluoranthene

Concen: 0.475 ng/ul

RT: 23.33 min Scan# 5410

Delta R.T. 0.26 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

Instrument :

BNA_N

ClientSampleId :

A40J3

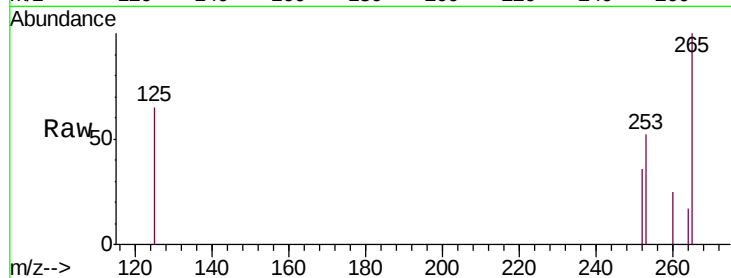
Tgt Ion:252 Resp: 414

Ion Ratio Lower Upper

252 100

253 146.8 18.2 27.4#

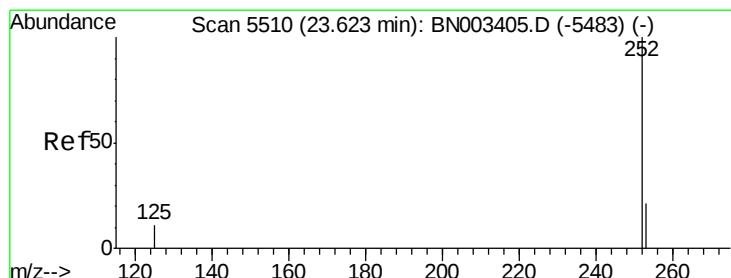
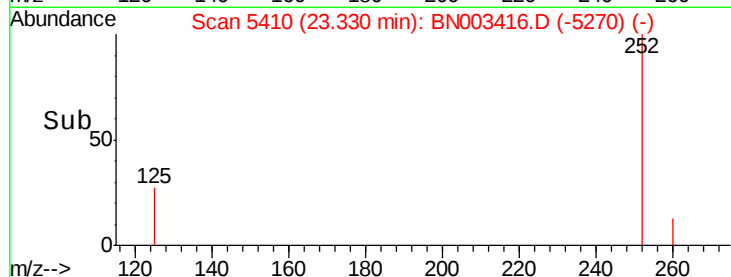
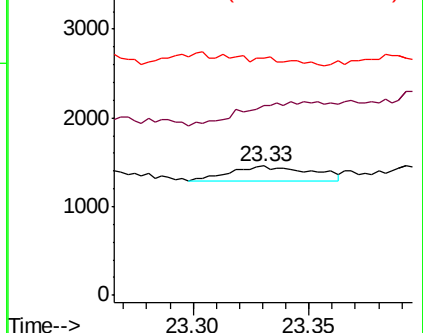
125 184.1 8.6 13.0#



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



#23

Benzo(a)pyrene

Concen: 0.517 ng/ul

RT: 23.87 min Scan# 5593

Delta R.T. 0.24 min

Lab File: BN003416.D

Acq: 02 Nov 2018 22:47

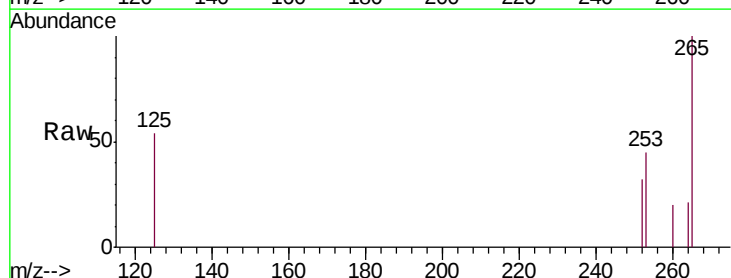
Tgt Ion:252 Resp: 389

Ion Ratio Lower Upper

252 100

253 141.8 18.5 27.7#

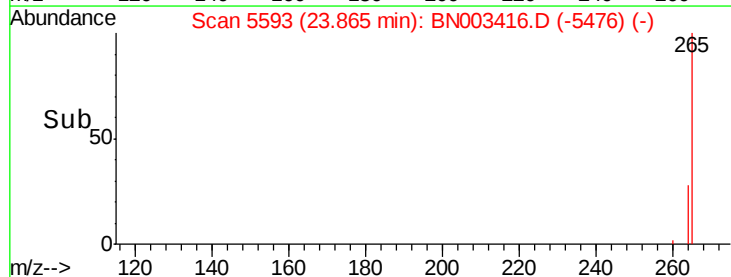
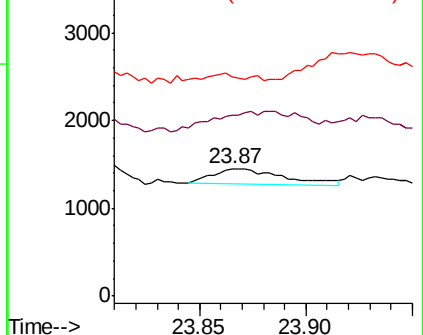
125 171.8 9.9 14.9#

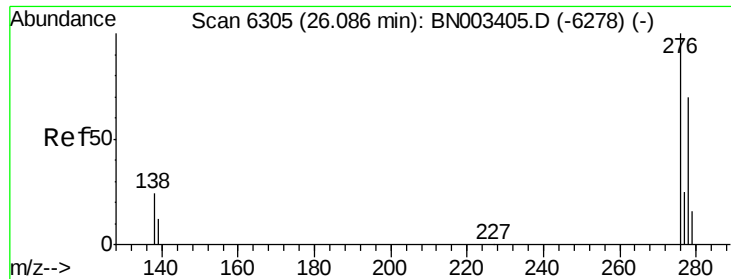


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



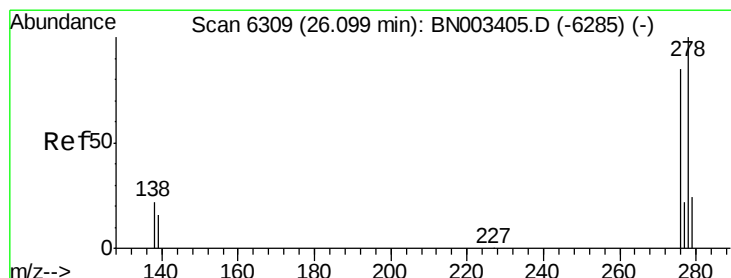
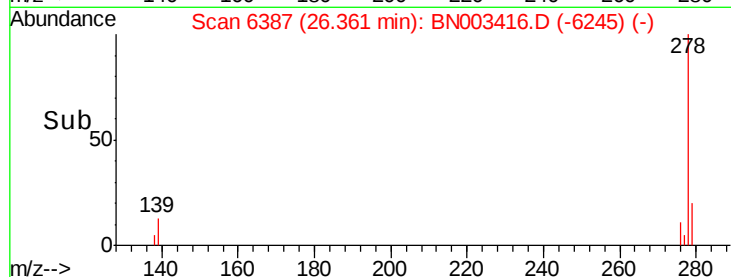
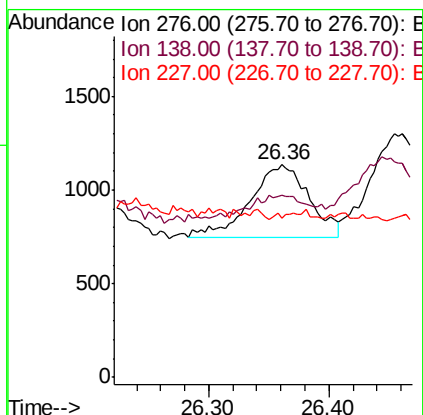
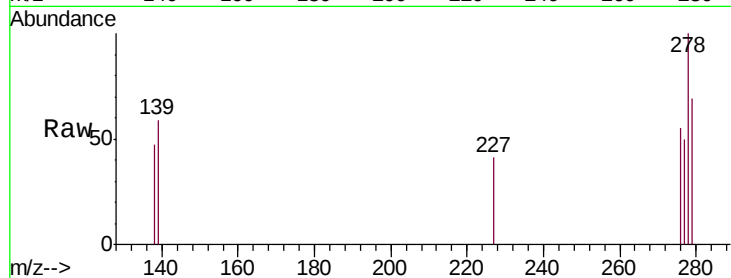


#24

Indeno(1,2,3-cd)pyrene
Concen: 1.614 ng/ul
RT: 26.36 min Scan# 6387
Delta R.T. 0.27 min
Lab File: BN003416.D
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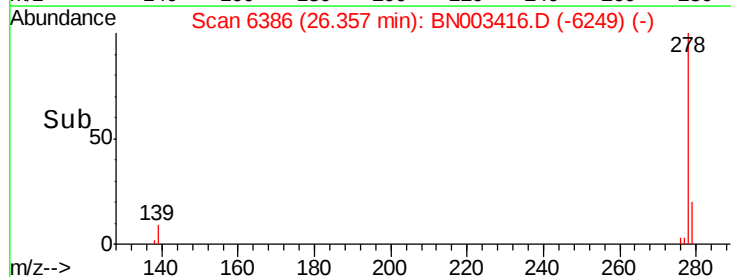
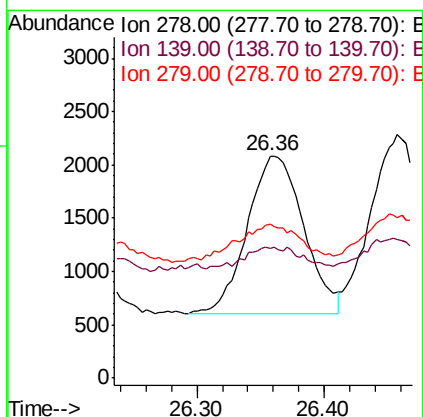
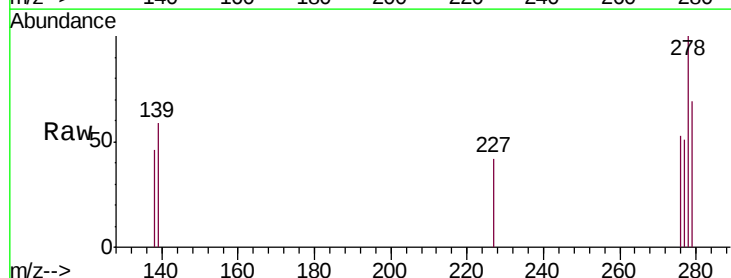
Tgt Ion: 276 Resp: 1299
Ion Ratio Lower Upper
276 100
138 27.6 19.8 29.8
227 0.9 0.2 0.2#

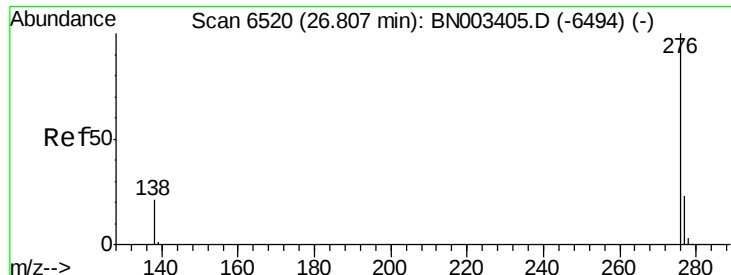


#25

Dibenzo(a,h)anthracene
Concen: 6.958 ng/ul
RT: 26.36 min Scan# 6386
Delta R.T. 0.26 min
Lab File: BN003416.D
Acq: 02 Nov 2018 22:47

Tgt Ion: 278 Resp: 4566
Ion Ratio Lower Upper
278 100
139 58.5 13.1 19.7#
279 69.1 19.5 29.3#





#26

Benzo(g,h,i)perylene

Concen: 1.137 ng/ul

RT: 27.04 min Scan# 6589

Delta R.T. 0.23 min

Lab File: BN003416.D

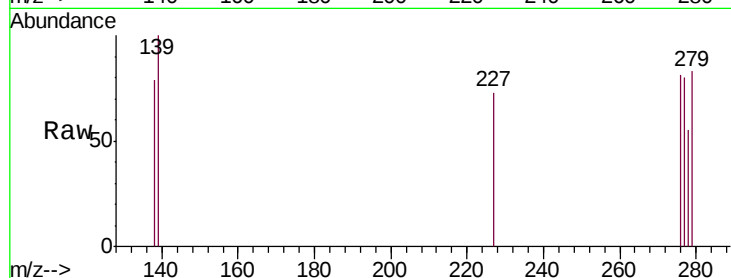
Acq: 02 Nov 2018 22:47

Instrument :

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A40J3



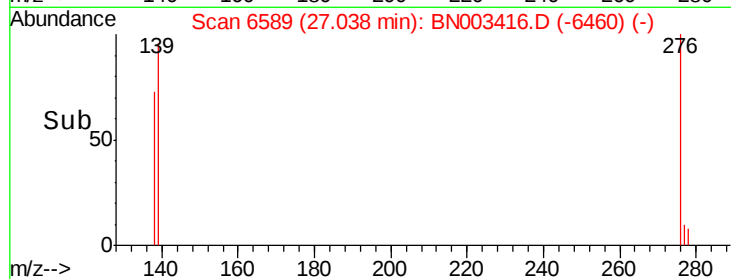
Tgt Ion: 276 Resp: 785

Ion Ratio Lower Upper

276 100

138 96.9 17.0 25.6#

277 98.5 19.2 28.8#



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

