

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\
 Data File : BN003055.D
 Acq On : 10 Oct 2018 07:50
 Operator : MJ/SJ
 Sample : J5115-01DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 10 08:39:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 10 08:36:11 2018
 Response via : Initial Calibration

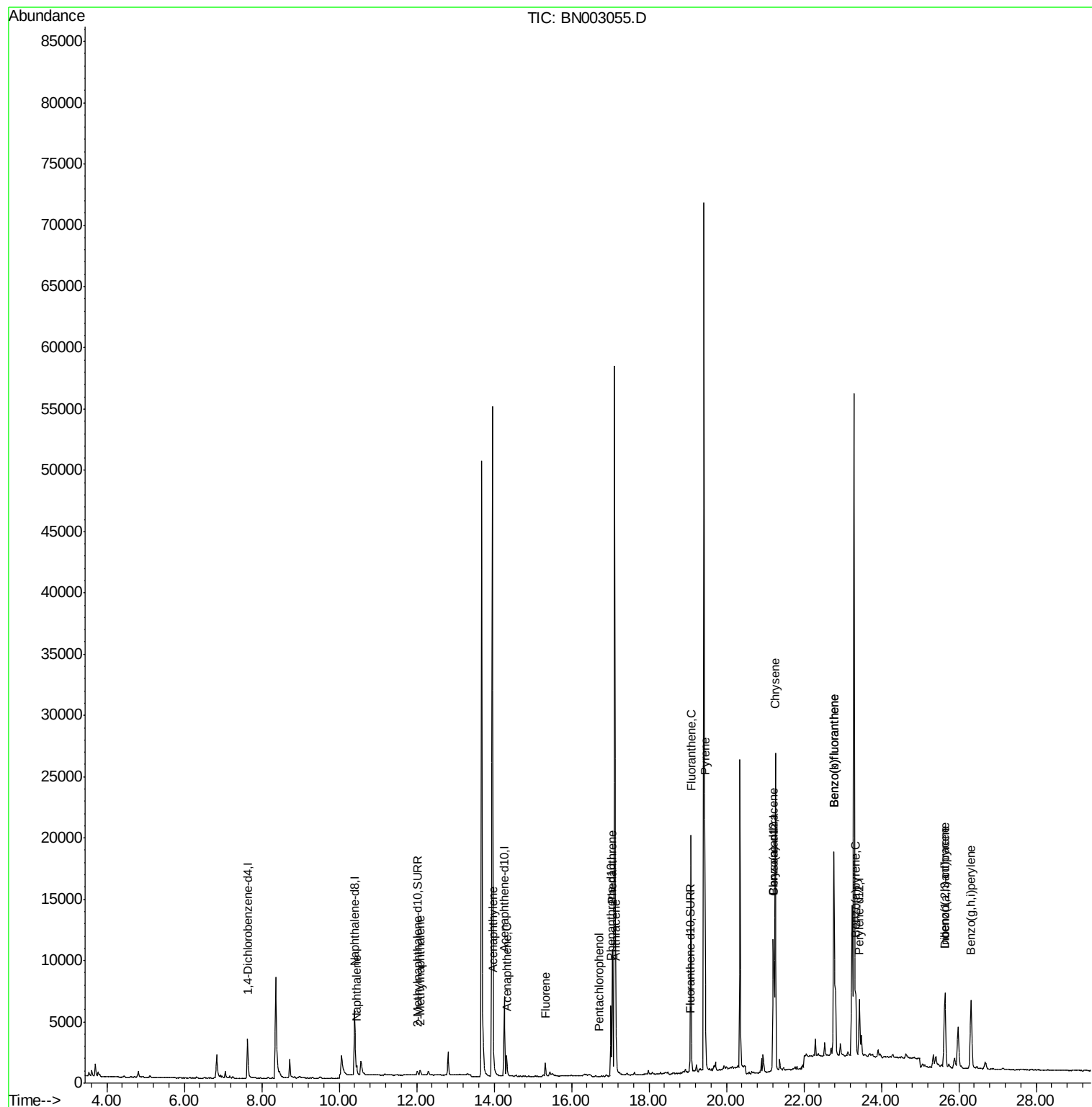
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2017	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	7752	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3694	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	6749	0.40	ng/ul	-0.01
16) Chrysene-d12	21.22	240	5625	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	5831	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	599	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	986	0.05	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	1019	0.051	ng/ul#	85
5) 2-Methylnaphthalene	12.09	142	465	0.034	ng/ul	99
7) Acenaphthylene	13.99	152	406	0.024	ng/ul#	61
8) Acenaphthene	14.32	153	1278	0.100	ng/ul	98
9) Fluorene	15.32	166	836	0.057	ng/ul#	95
11) Pentachlorophenol	16.72	266	23	0.035	ng/ul#	87
12) Phenanthrene	17.06	178	11451	0.609	ng/ul	100
13) Anthracene	17.15	178	2371	0.133	ng/ul#	90
15) Fluoranthene	19.09	202	16745	0.759	ng/ul	100
17) Pyrene	19.45	202	17107	0.783	ng/ul	99
18) Benzo(a)anthracene	21.21	228	8345	0.461	ng/ul	96
19) Chrysene	21.26	228	24619	1.339	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	31436	1.497	ng/ul	97
22) Benzo(k)fluoranthene	22.78	252	31436	1.444	ng/ul	97
23) Benzo(a)pyrene	23.34	252	7784	0.414	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.64	276	9529	0.441	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	2668	0.154	ng/ul#	66
26) Benzo(g,h,i)perylene	26.32	276	11806	0.647	ng/ul	98

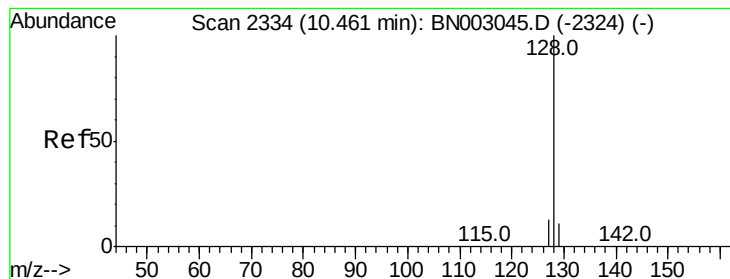
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.45 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampleId :

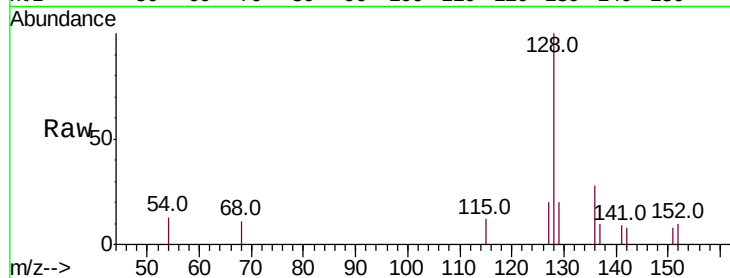
Tot Ion:128 Resp: 1019

Ion Ratio Lower Upper

128 100

129 19.9 10.4 15.6#

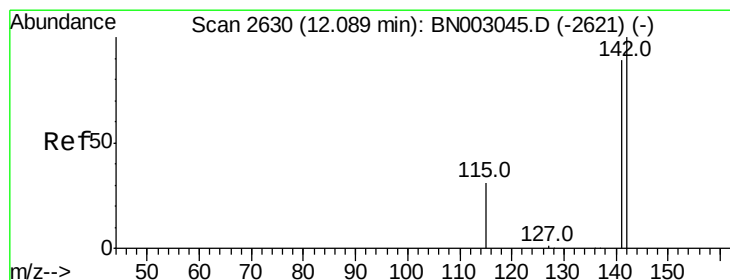
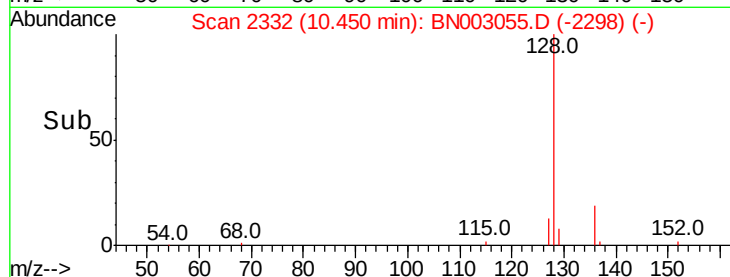
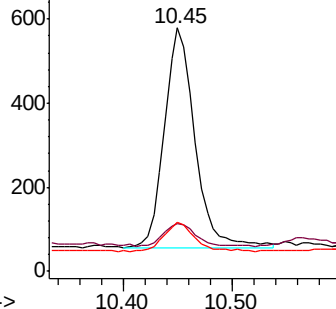
127 20.2 11.7 17.5#



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: 0.034 ng/ul

RT: 12.09 min Scan# 2630

Delta R.T. -0.00 min

Lab File: BN003055.D

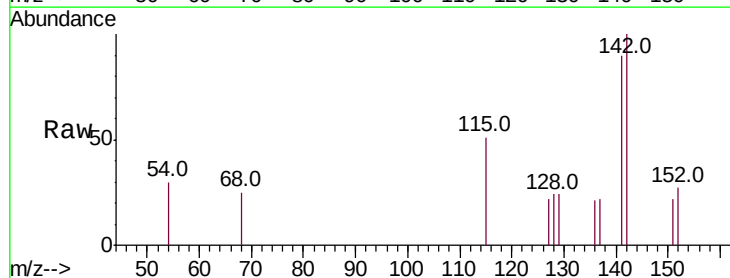
Acq: 10 Oct 2018 07:50

Tgt Ion:142 Resp: 465

Ion Ratio Lower Upper

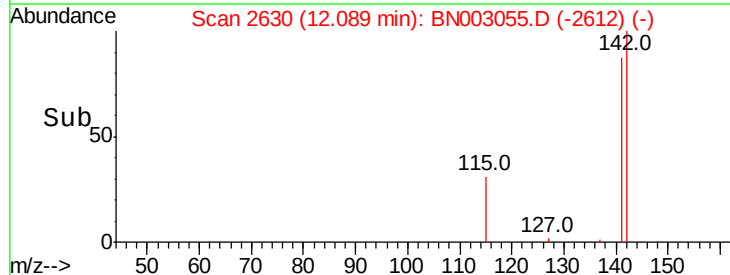
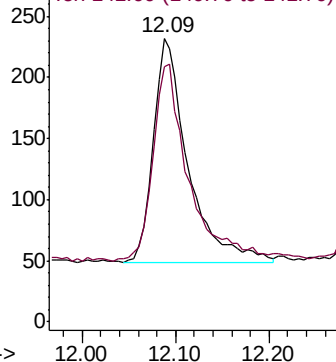
142 100

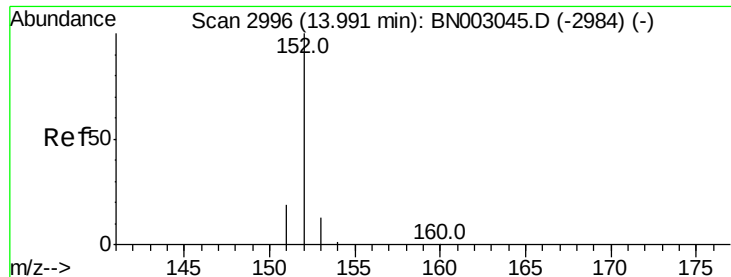
141 93.1 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.024 ng/ul

RT: 13.99 min Scan# 2995

Delta R.T. -0.00 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampleId :

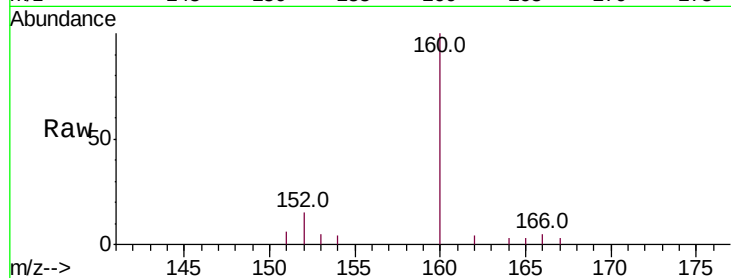
Tot Ion:152 Resp: 406

Ion Ratio Lower Upper

152 100

151 37.6 16.5 24.7#

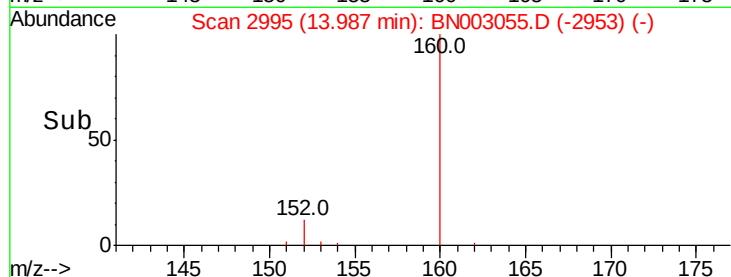
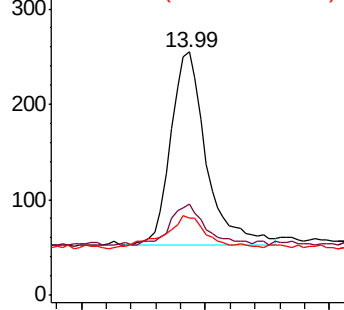
153 31.8 11.4 17.2#



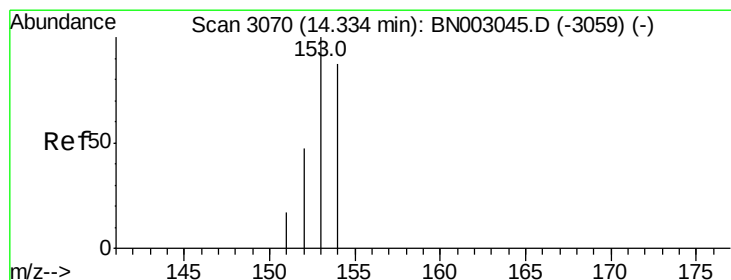
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.100 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

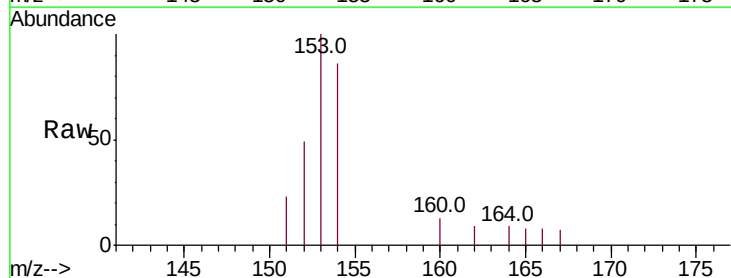
Tgt Ion:153 Resp: 1278

Ion Ratio Lower Upper

153 100

152 49.2 38.2 57.4

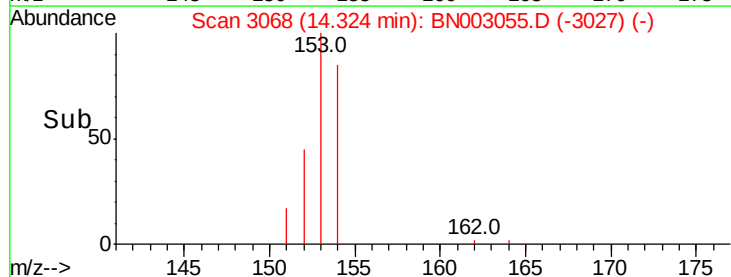
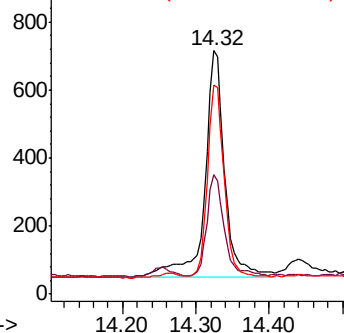
154 85.6 70.2 105.2



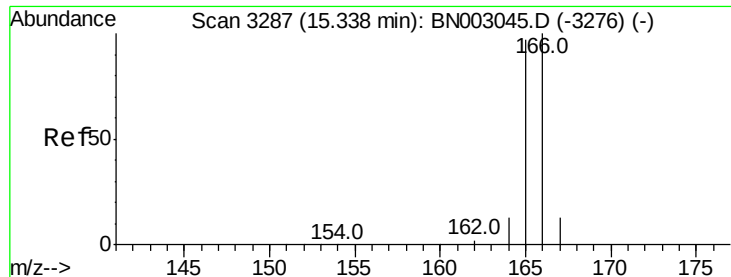
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.057 ng/ul

RT: 15.32 min Scan# 3284

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampleId :

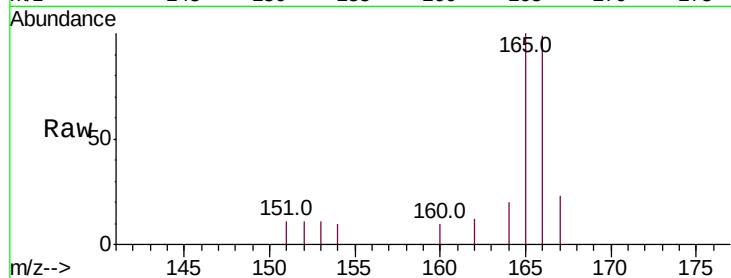
Tot Ion:166 Resp: 836

Ion Ratio Lower Upper

166 100

165 101.1 78.5 117.7

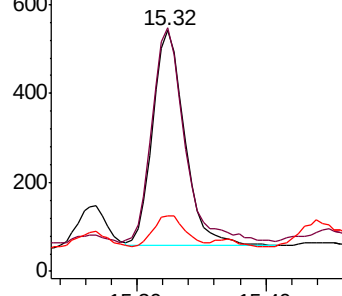
167 23.1 11.6 17.4#



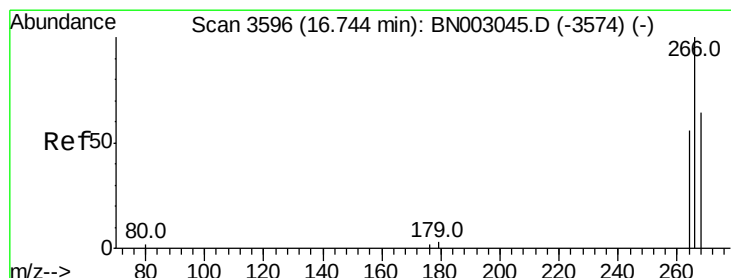
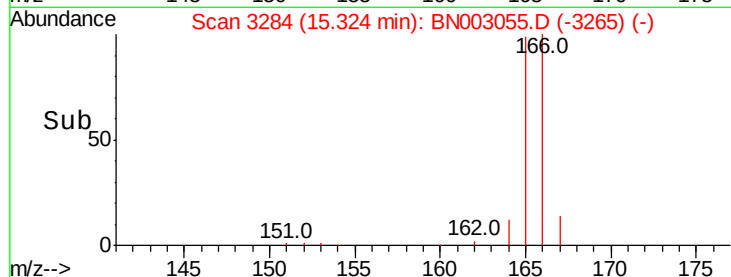
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.035 ng/ul

RT: 16.72 min Scan# 3591

Delta R.T. -0.02 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

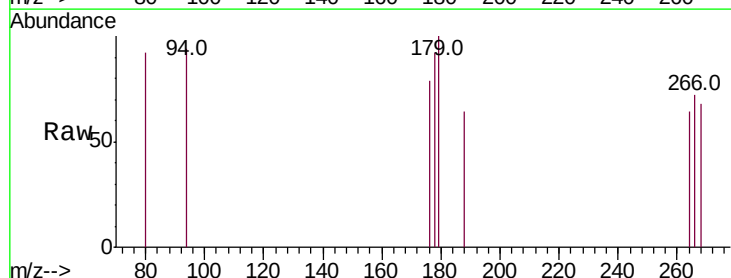
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

264 69.6 52.5 78.7

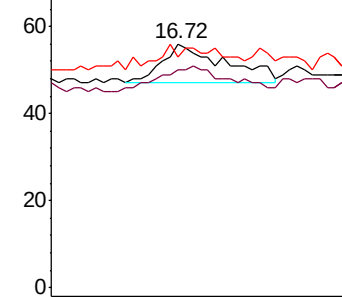
268 43.5 48.6 72.8#



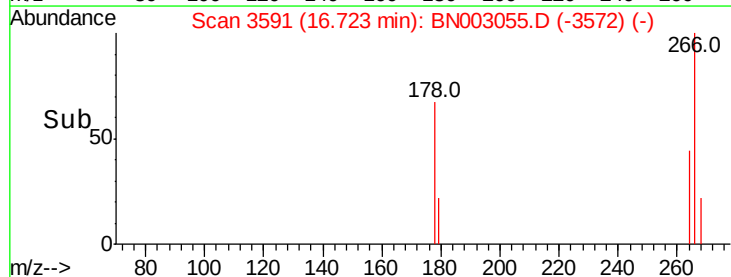
Abundance Ion 266.00 (265.70 to 266.70): E

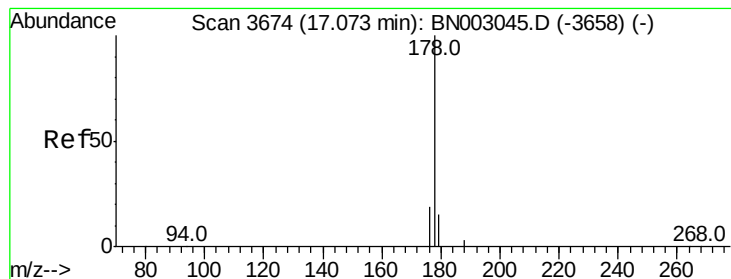
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.609 ng/ul

RT: 17.06 min Scan# 3670

Delta R.T. -0.02 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampled :

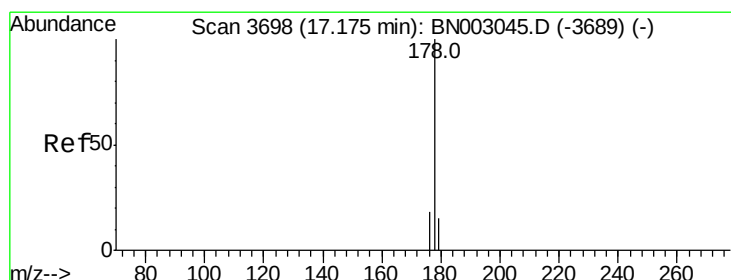
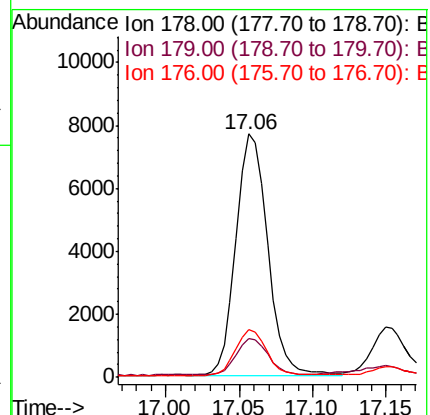
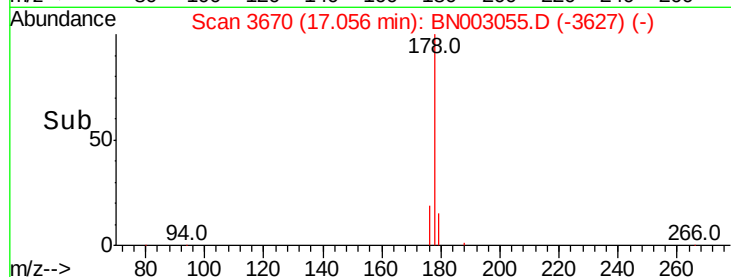
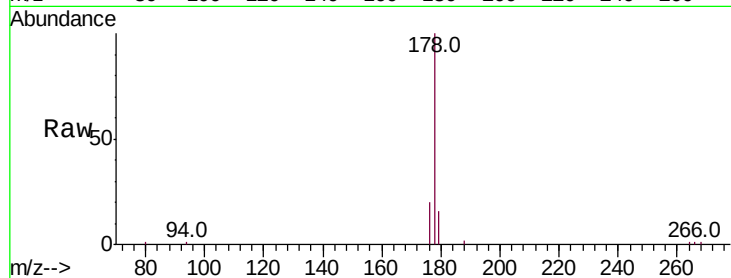
Tot Ion:178 Resp: 11451

Ion Ratio Lower Upper

178 100

179 16.1 12.9 19.3

176 19.6 15.4 23.2



#13

Anthracene

Concen: 0.133 ng/ul

RT: 17.15 min Scan# 3692

Delta R.T. -0.03 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

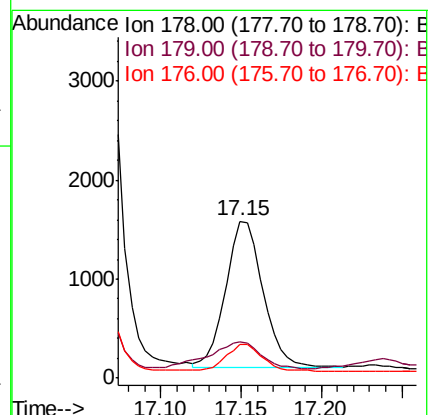
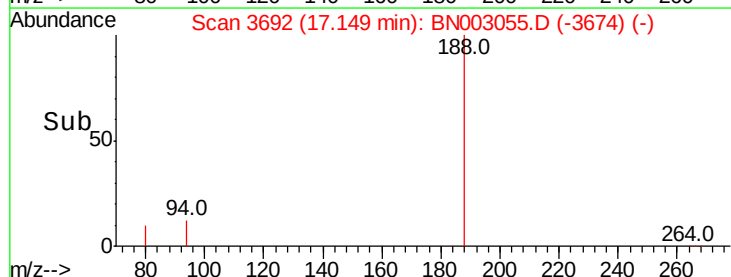
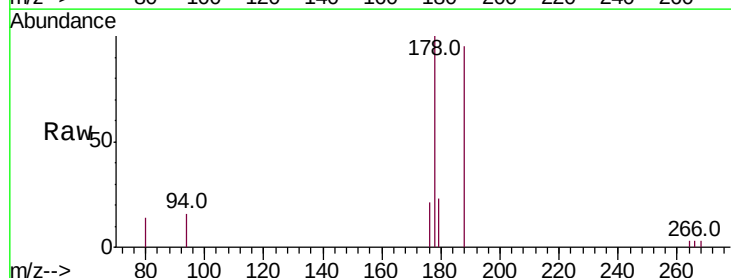
Tgt Ion:178 Resp: 2371

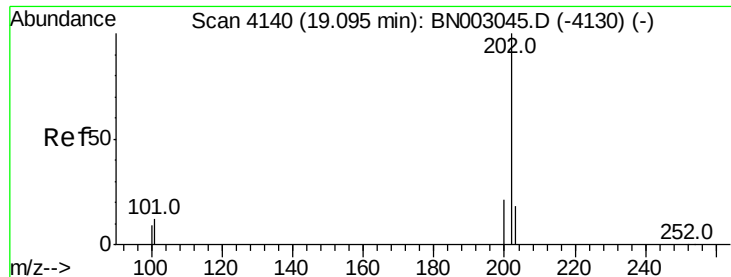
Ion Ratio Lower Upper

178 100

179 22.9 13.0 19.6#

176 21.2 15.3 22.9





#15

Fluoranthene

Concen: 0.759 ng/ul

RT: 19.09 min Scan# 4138

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampleId :

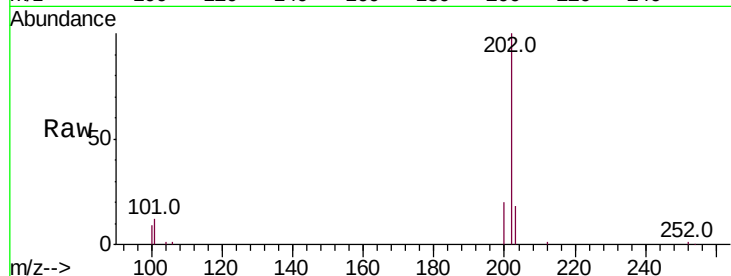
Tot Ion:202 Resp: 16745

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.3

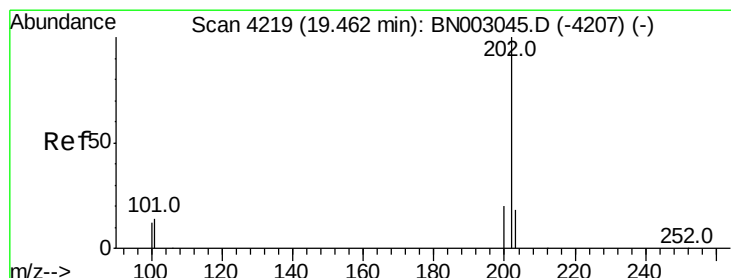
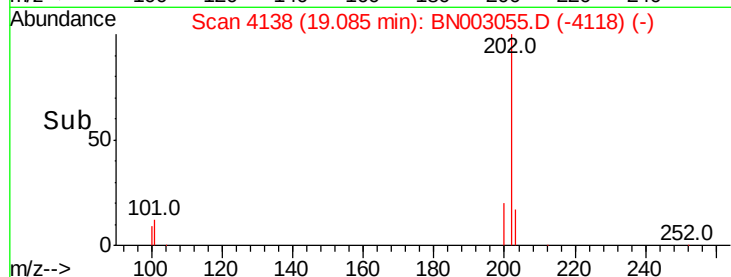
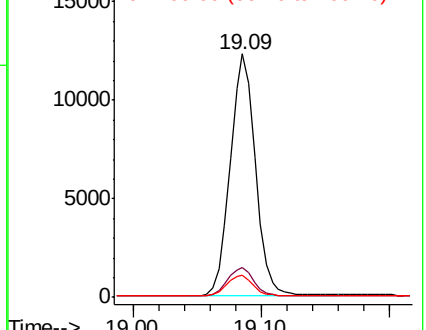
100 9.1 0.0 29.1



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: 0.783 ng/ul

RT: 19.45 min Scan# 4216

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

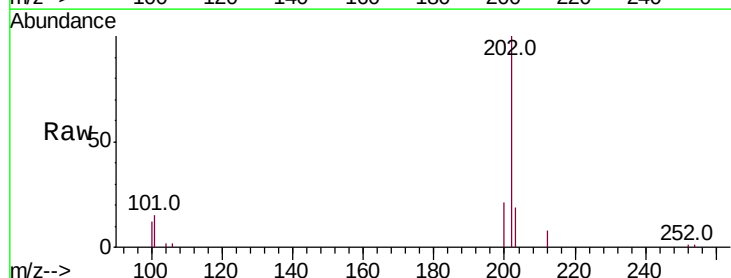
Tgt Ion:202 Resp: 17107

Ion Ratio Lower Upper

202 100

101 14.5 11.9 17.9

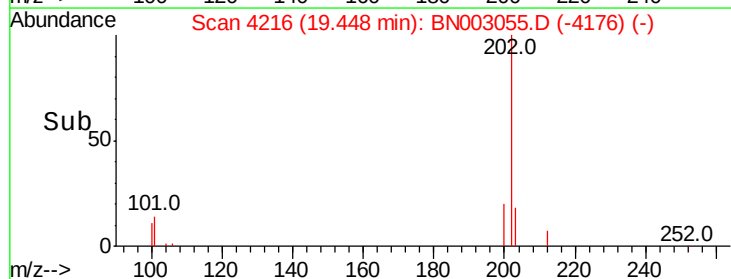
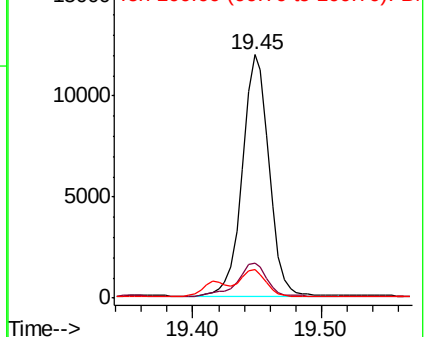
100 11.8 9.9 14.9

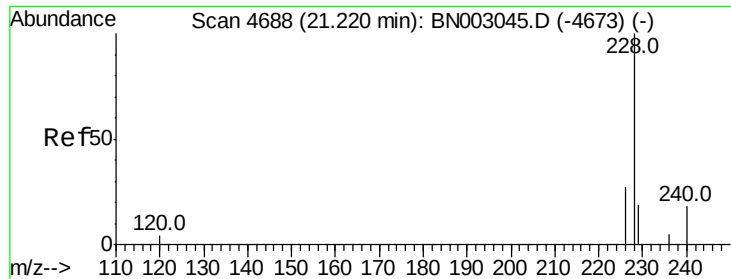


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.461 ng/ul

RT: 21.21 min Scan# 4684

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampleId :

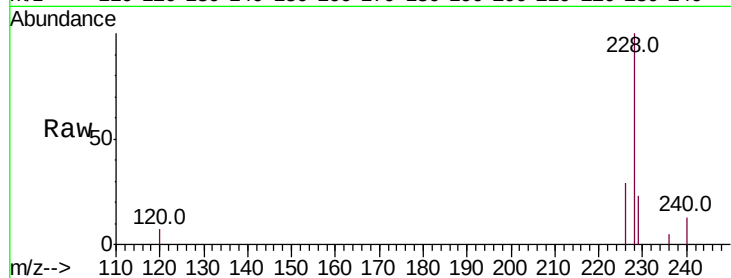
Tot Ion:228 Resp: 8345

Ion Ratio Lower Upper

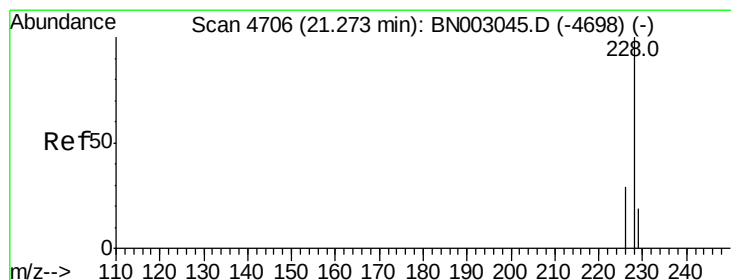
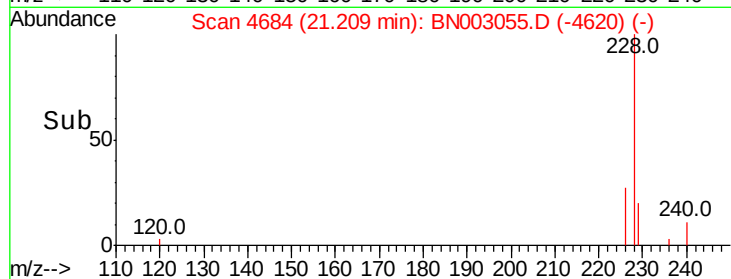
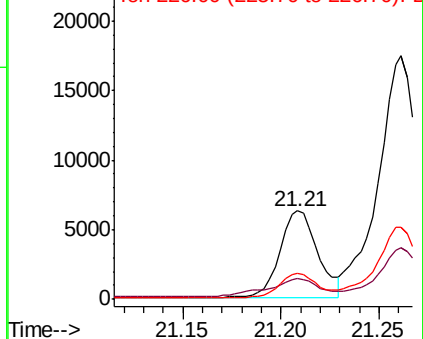
228 100

229 23.3 16.2 24.2

226 28.7 22.3 33.5



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: 1.339 ng/ul

RT: 21.26 min Scan# 4702

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

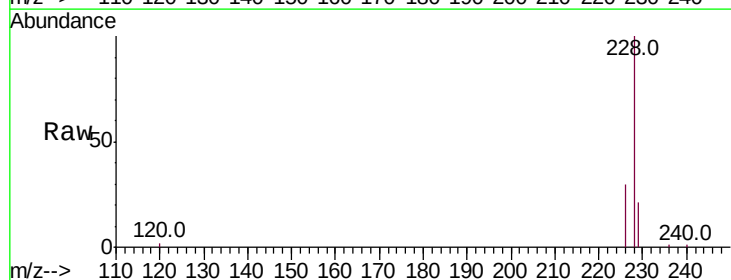
Tgt Ion:228 Resp: 24619

Ion Ratio Lower Upper

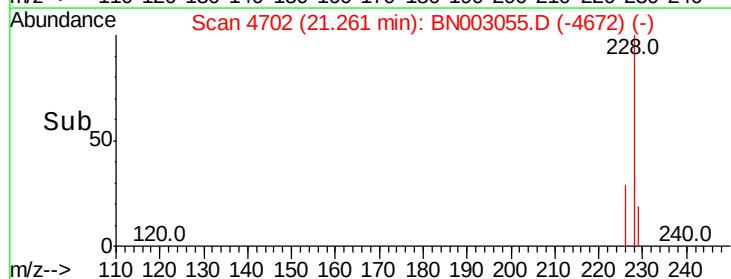
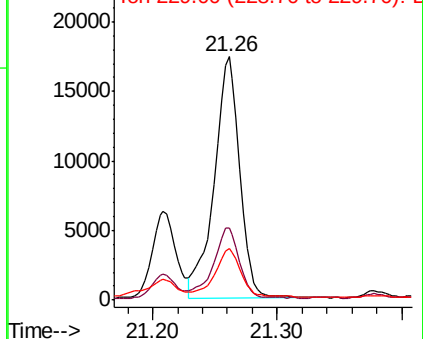
228 100

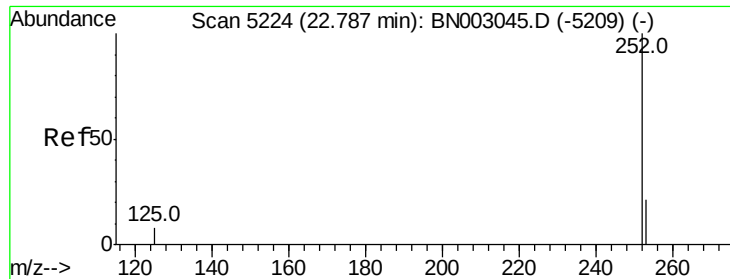
226 29.8 24.2 36.4

229 21.0 16.7 25.1



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: 1.497 ng/ul

RT: 22.78 min Scan# 5221

Delta R.T. -0.01 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampleId :

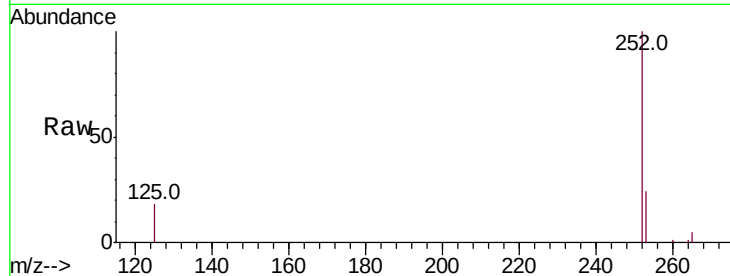
Tot Ion:252 Resp: 31436

Ion Ratio Lower Upper

252 100

253 24.4 0.0 53.2

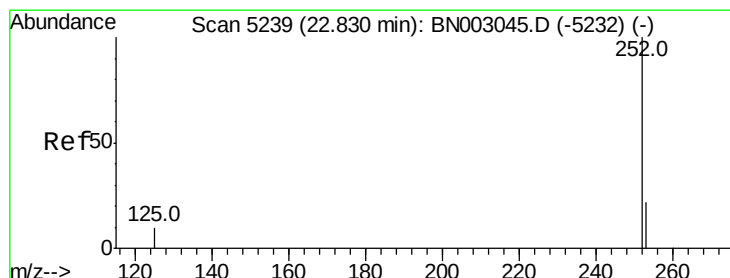
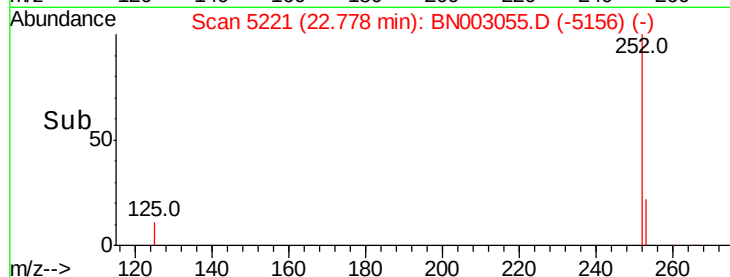
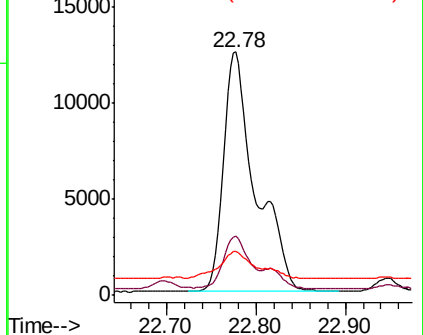
125 18.0 0.0 34.2



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: 1.444 ng/ul

RT: 22.78 min Scan# 5221

Delta R.T. -0.05 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

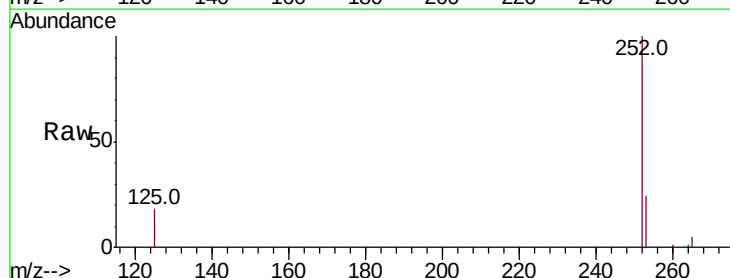
Tgt Ion:252 Resp: 31436

Ion Ratio Lower Upper

252 100

253 24.4 21.3 31.9

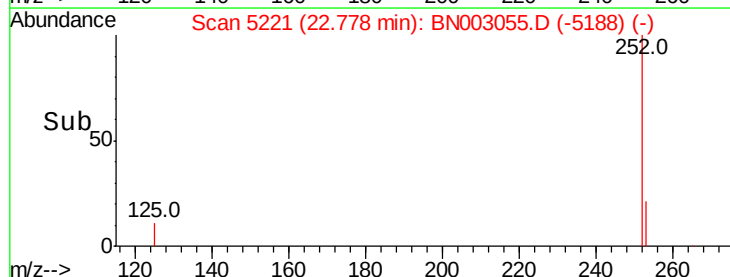
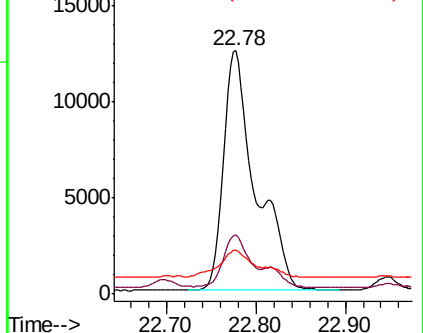
125 18.0 14.1 21.1

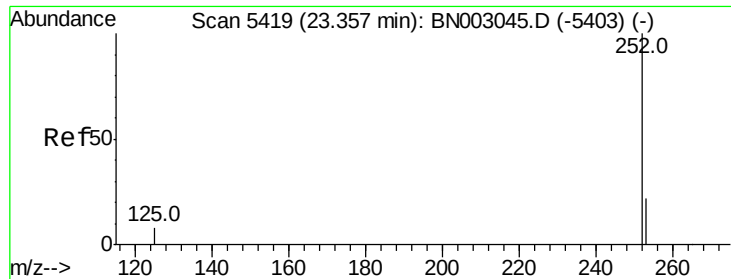


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.414 ng/ul

RT: 23.34 min Scan# 5413

Delta R.T. -0.02 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

Instrument :

BNA_N

ClientSampleId :

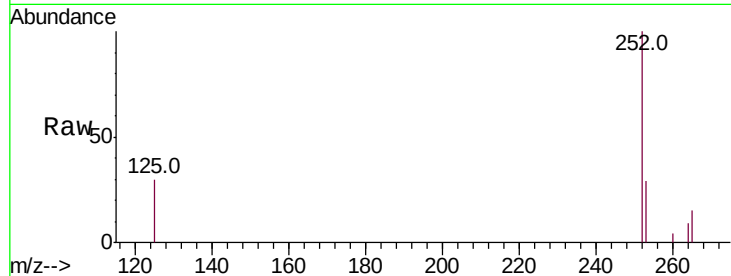
Tot Ion:252 Resp: 7784

Ion Ratio Lower Upper

252 100

253 29.2 23.1 34.7

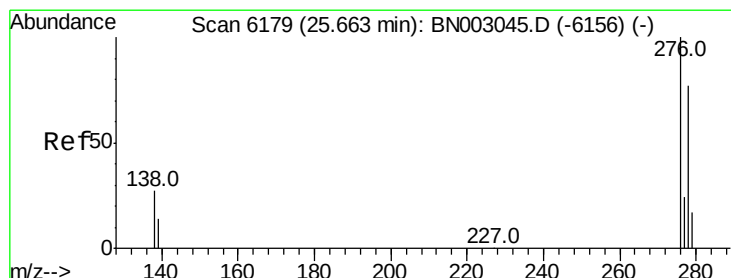
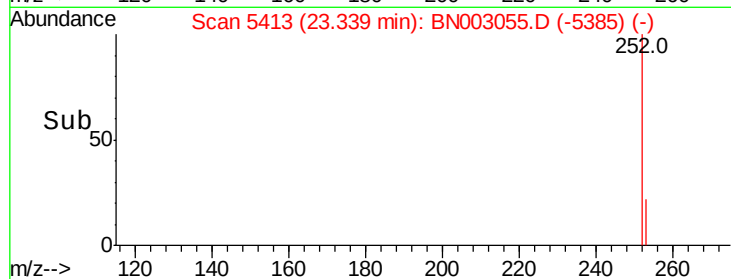
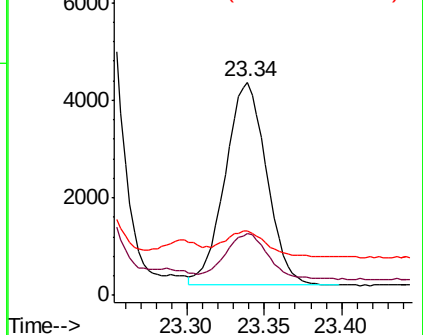
125 30.3 16.9 25.3#



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: 0.441 ng/ul

RT: 25.64 min Scan# 6173

Delta R.T. -0.02 min

Lab File: BN003055.D

Acq: 10 Oct 2018 07:50

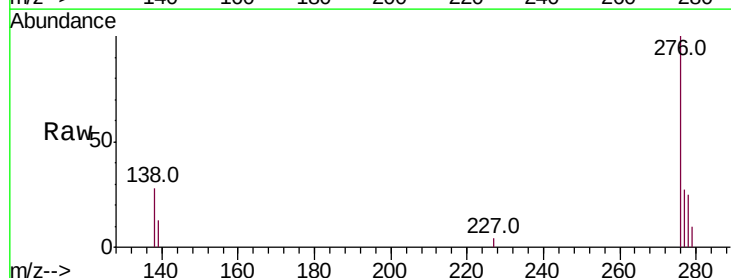
Tgt Ion:276 Resp: 9529

Ion Ratio Lower Upper

276 100

138 23.3 21.5 32.3

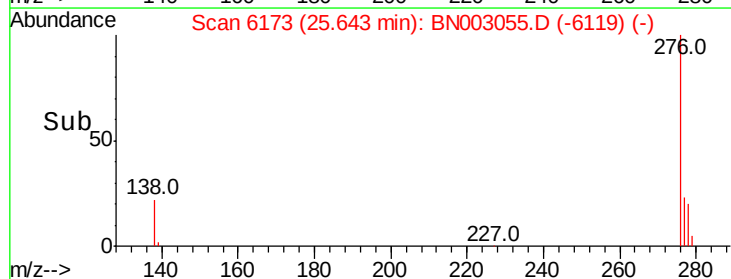
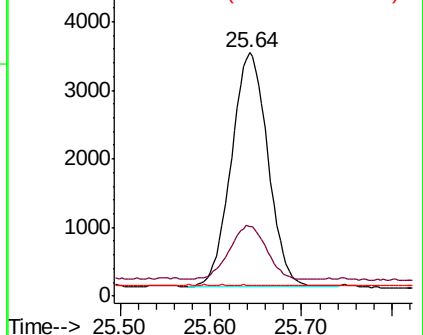
227 0.1 0.3 0.5#

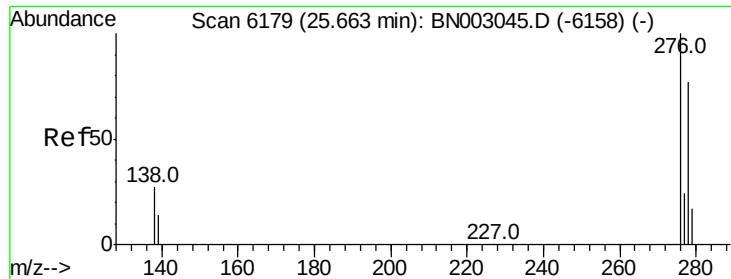


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

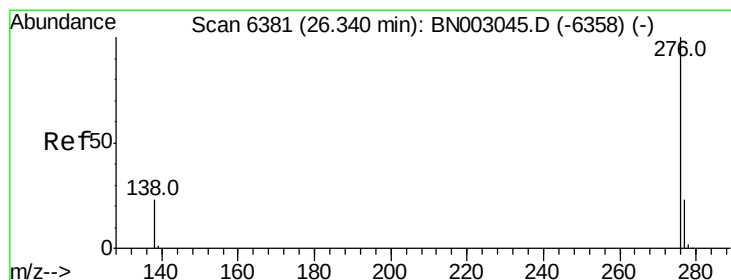
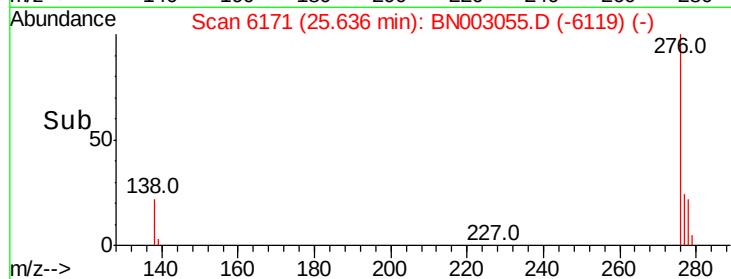
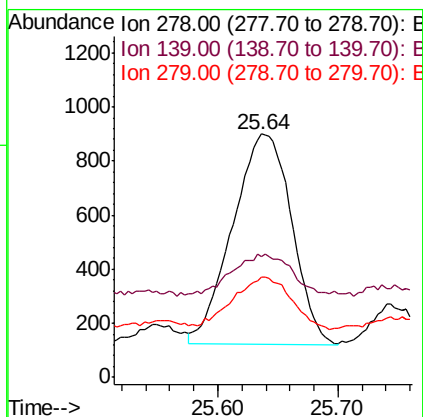
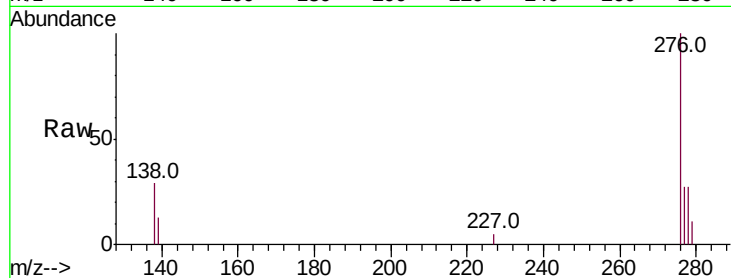




#25
Dibenzo(a,h)anthracene
Concen: 0.154 ng/ul
RT: 25.64 min Scan# 6171
Delta R.T. -0.03 min
Lab File: BN003055.D
Acq: 10 Oct 2018 07:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 2668
Ion Ratio Lower Upper
278 100
139 49.7 20.2 30.4#
279 41.3 23.8 35.8#



#26
Benzo(g,h,i)perylene
Concen: 0.647 ng/ul
RT: 26.32 min Scan# 6374
Delta R.T. -0.02 min
Lab File: BN003055.D
Acq: 10 Oct 2018 07:50

Tgt Ion:276 Resp: 11806
Ion Ratio Lower Upper
276 100
138 28.1 23.0 34.4
277 26.0 22.0 33.0

