

Data Path : Z:\HPCHEM1\BNA N\DATA\BN043018\
 Data File : BN000995.D
 Acq On : 30 Apr 2018 16:29
 Operator : JU/SJ
 Sample : J2599-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAT24

Quant Time: May 01 01:29:55 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 01 01:29:35 2018
 Response via : Initial Calibration

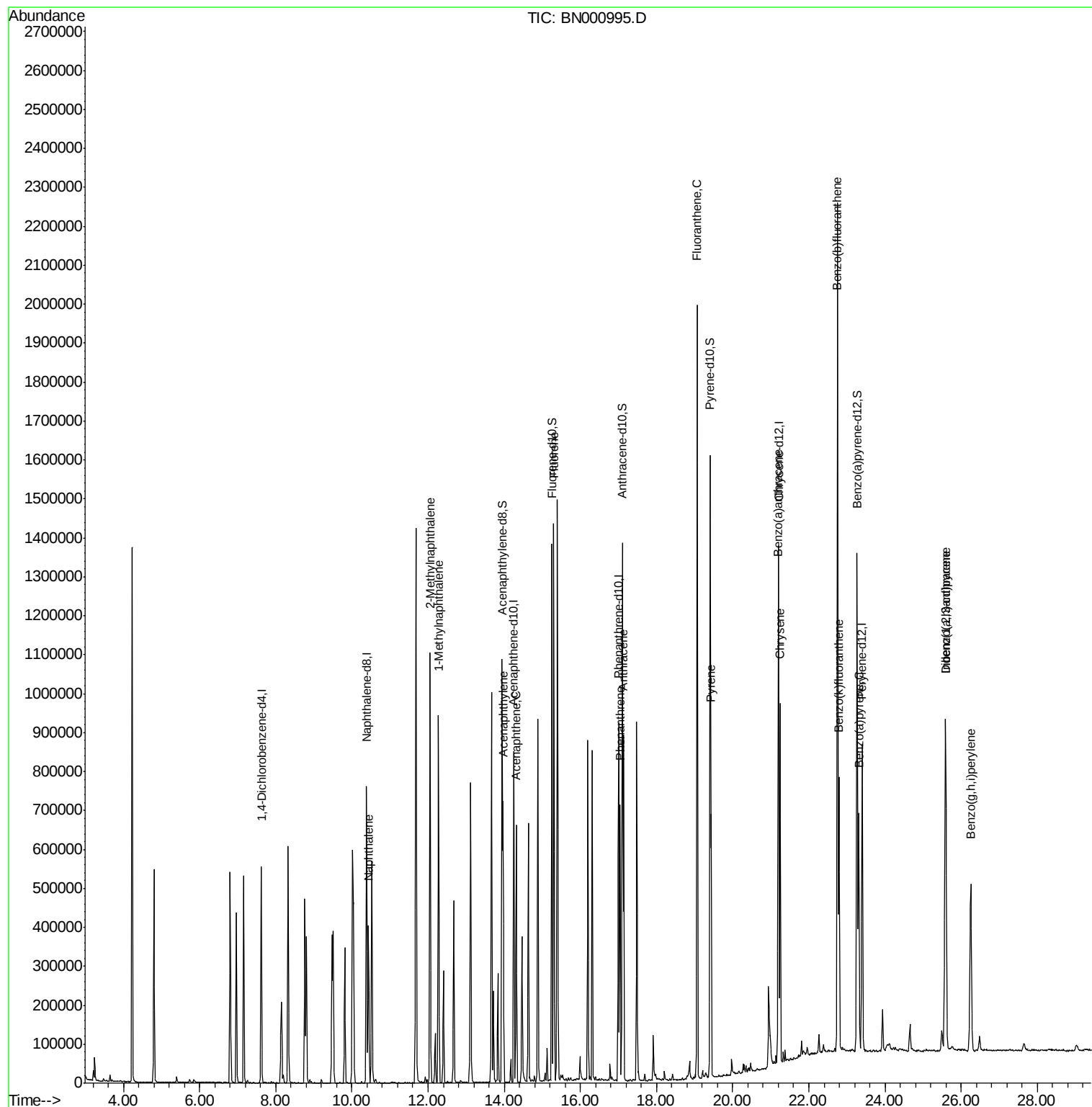
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	139214	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	581527	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	267709	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	491514	20.00	ng/ul	0.00
17) Chrysene-d12	21.21	240	474266	20.00	ng/ul	0.00
22) Perylene-d12	23.40	264	496034	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	700427	27.24	ng/ul	0.00
10) Fluorene-d10	15.25	176	484257	28.22	ng/ul	0.00
14) Anthracene-d10	17.10	188	709967	31.59	ng/ul	0.00
18) Pyrene-d10	19.40	212	732684	30.15	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	815477	34.80	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	314930	10.745	ng/ul	99
4) 2-Methylnaphthalene	12.05	142	498019	25.468	ng/ul	97
5) 1-Methylnaphthalene	12.28	142	410281	21.391	ng/ul	92
8) Acenaphthylene	13.97	152	461115	18.121	ng/ul	99
9) Acenaphthene	14.32	153	245634	13.971	ng/ul	96
11) Fluorene	15.30	166	247507	13.224	ng/ul	92
13) Phenanthrene	17.05	178	394280	14.708	ng/ul	100
15) Anthracene	17.13	178	492601	18.320	ng/ul	99
16) Fluoranthene	19.07	202	1039665	38.226	ng/ul#	92
19) Pyrene	19.43	202	435980	14.312	ng/ul#	90
20) Benzo(a)anthracene	21.19	228	419360	14.792	ng/ul	99
21) Chrysene	21.25	228	389489	14.617	ng/ul	99
23) Benzo(b)fluoranthene	22.76	252	1343022	47.642	ng/ul#	97
24) Benzo(k)fluoranthene	22.79	252	360532	13.070	ng/ul#	97
26) Benzo(a)pyrene	23.31	252	343761	12.760	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.59	276	505122	15.523	ng/ul#	83
28) Dibenzo(a,h)anthracene	25.59	278	503216	18.555	ng/ul#	95
29) Benzo(g,h,i)perylene	26.25	276	451399	16.586	ng/ul#	93

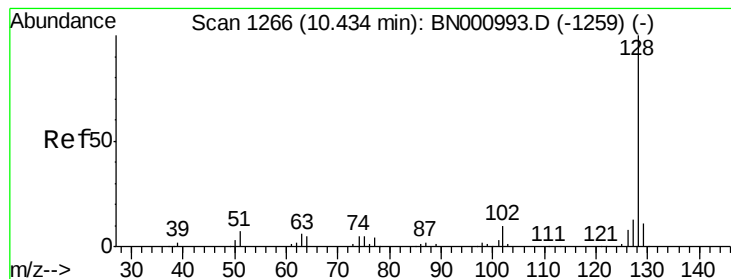
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 10.745 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

ClientSampleId :

DAT24

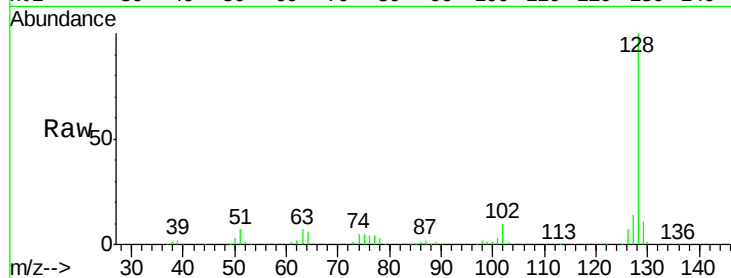
Tot Ion:128 Resp: 314930

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

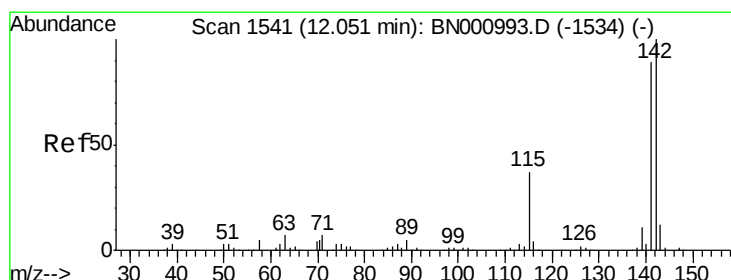
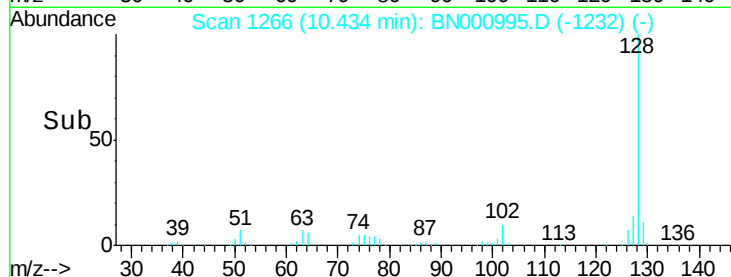
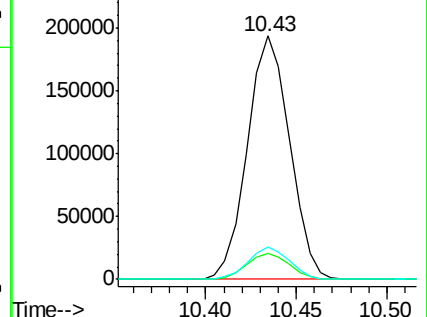
127 13.6 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 25.468 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BN000995.D

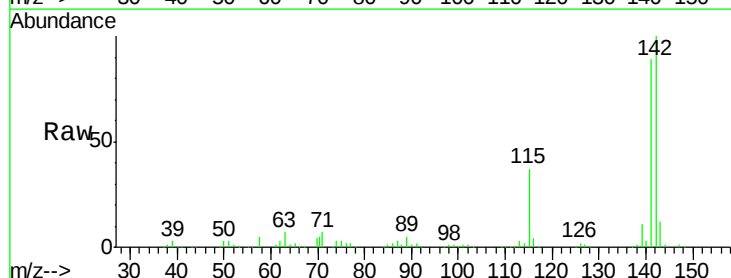
Acq: 30 Apr 2018 16:29

Tgt Ion:142 Resp: 498019

Ion Ratio Lower Upper

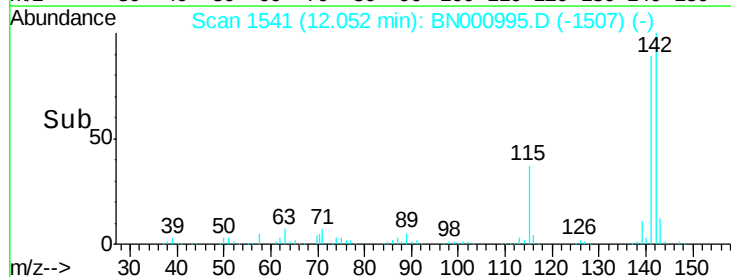
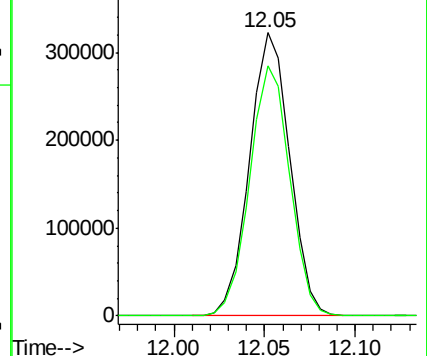
142 100

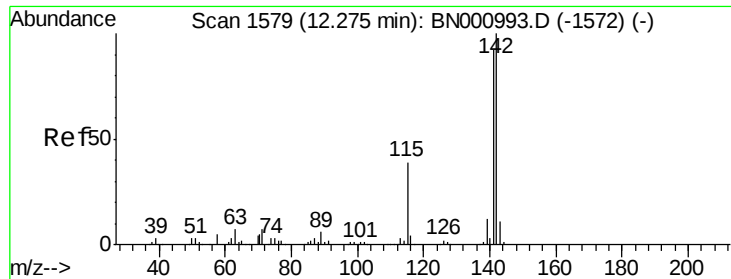
141 88.5 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 21.391 ng/ul

RT: 12.28 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

ClientSampleId :

DAT24

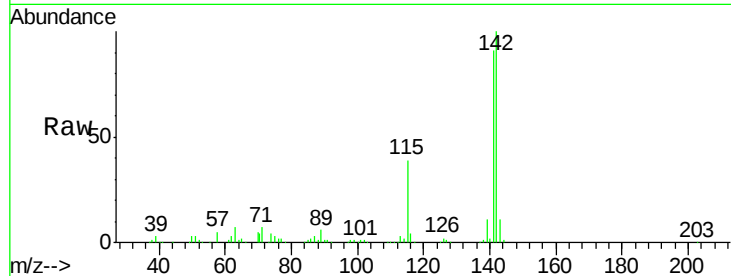
Tot Ion:142 Resp: 410281

Ion Ratio Lower Upper

142 100

141 91.1 79.3 118.9

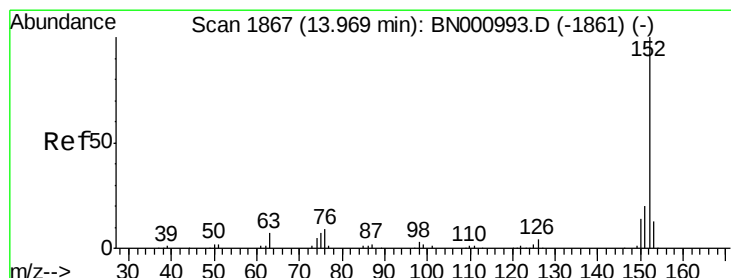
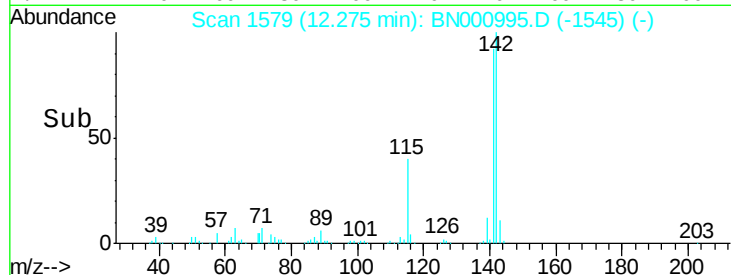
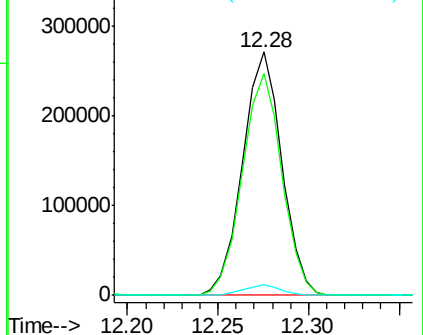
116 4.2 4.2 6.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 18.121 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

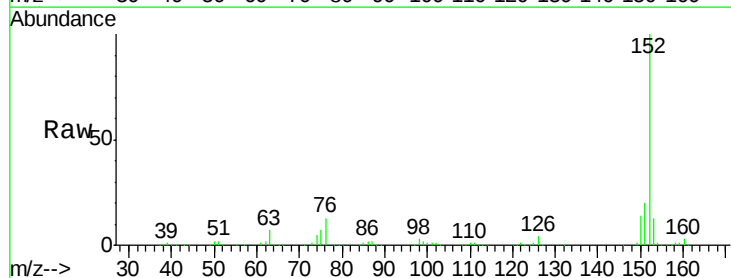
Tgt Ion:152 Resp: 461115

Ion Ratio Lower Upper

152 100

151 20.2 16.7 25.1

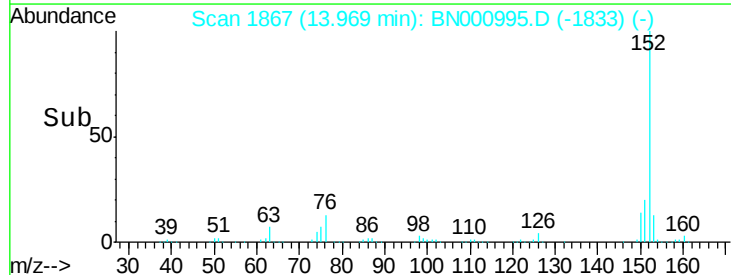
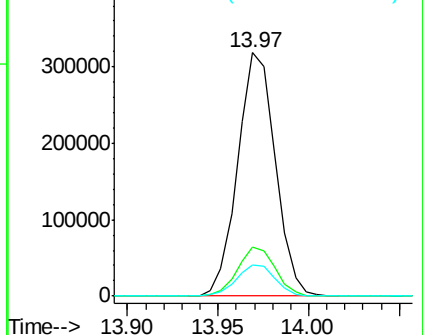
153 13.0 10.2 15.4

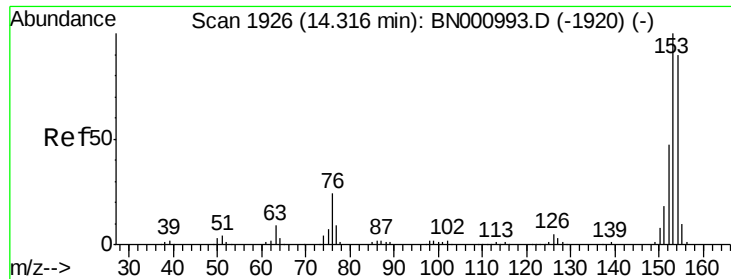


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 13.971 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

ClientSampleId :

DAT24

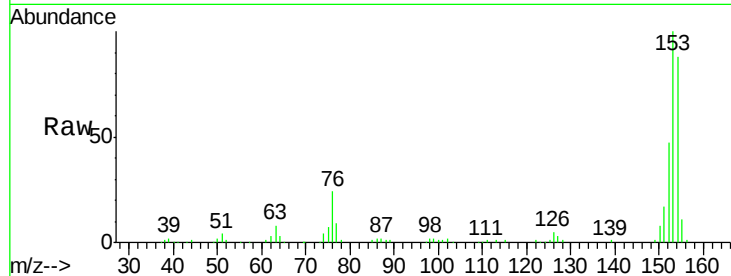
Tot Ion:153 Resp: 245634

Ion Ratio Lower Upper

153 100

152 47.4 39.0 58.6

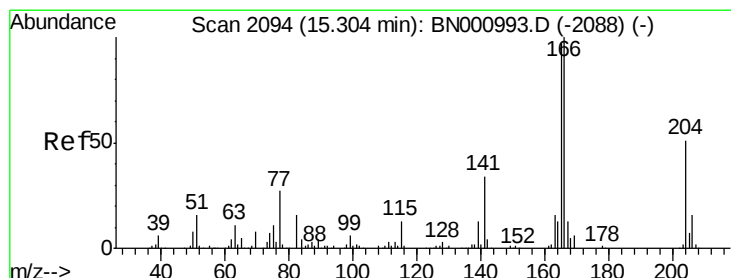
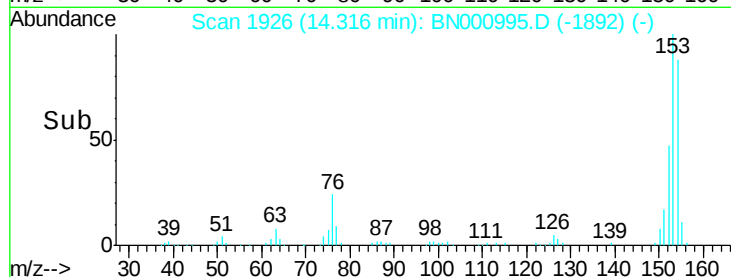
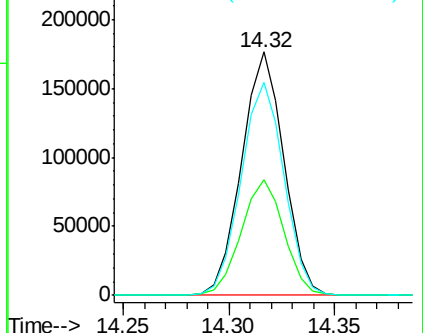
154 87.7 66.8 100.2



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



#11

Fluorene

Concen: 13.224 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

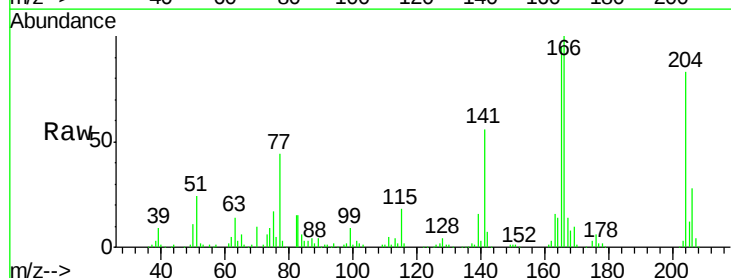
Tgt Ion:166 Resp: 247507

Ion Ratio Lower Upper

166 100

165 95.3 83.8 125.8

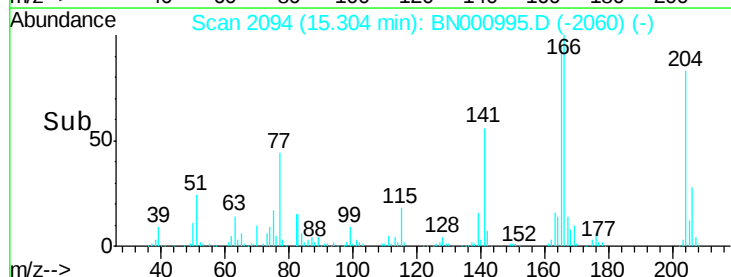
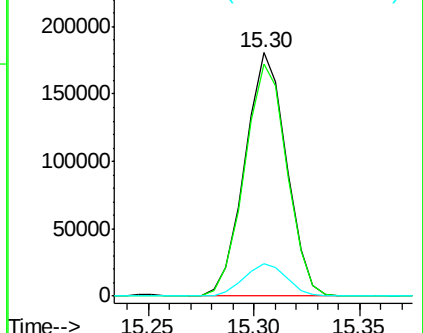
167 13.5 11.5 17.3

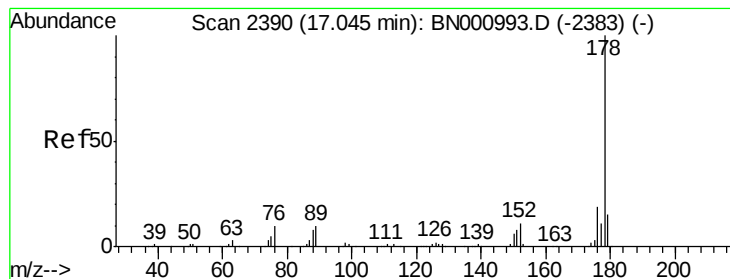


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 14.708 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

ClientSampleId :

DAT24

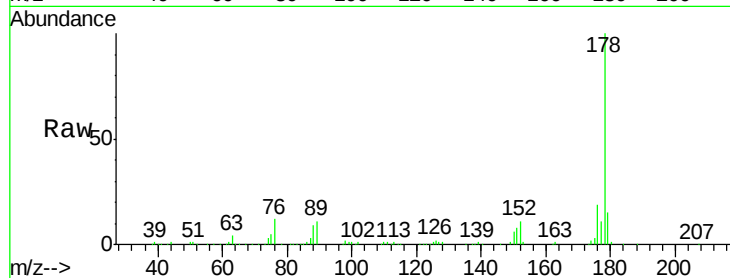
Tot Ion:178 Resp: 394280

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

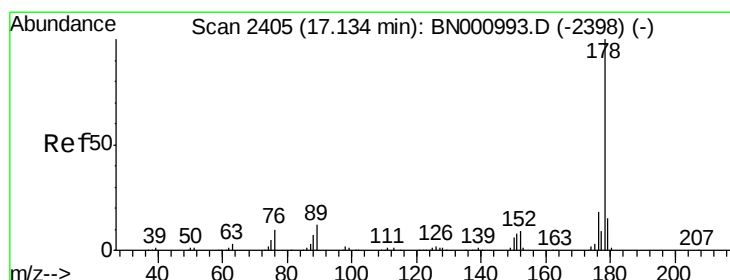
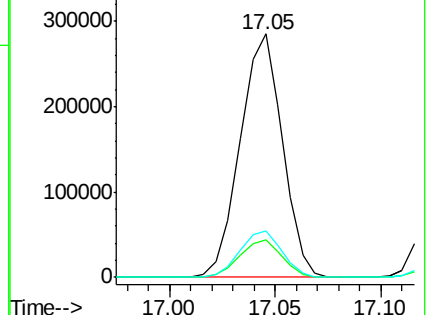
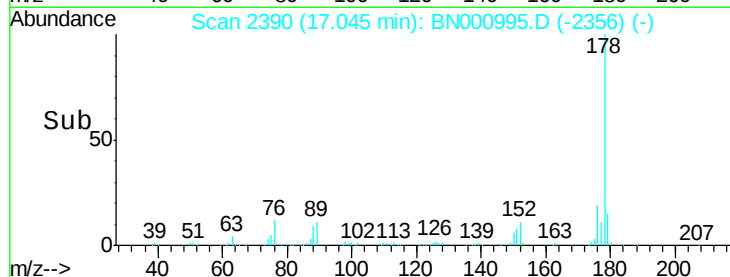
176 19.3 15.1 22.7



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

Anthracene

Concen: 18.320 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

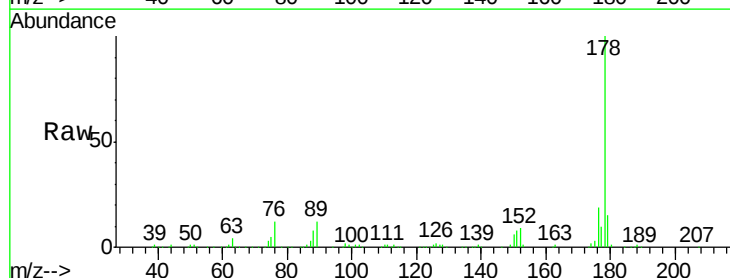
Tgt Ion:178 Resp: 492601

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

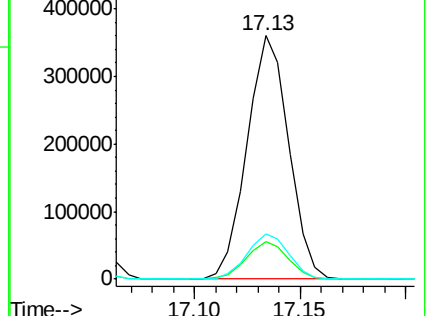
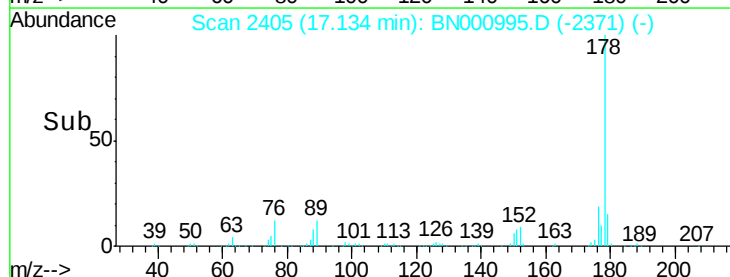
176 18.8 15.2 22.8

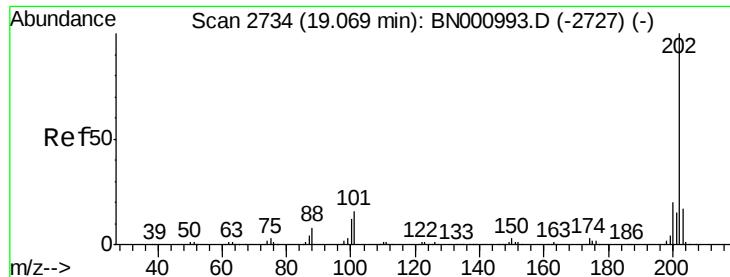


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

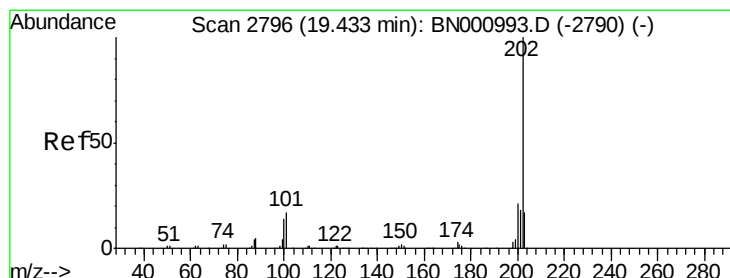
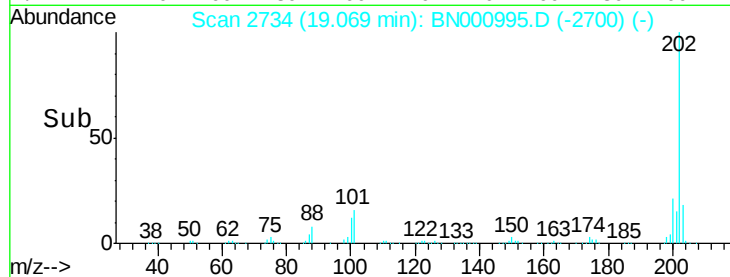
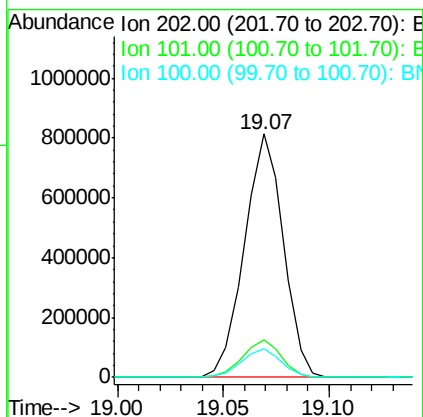
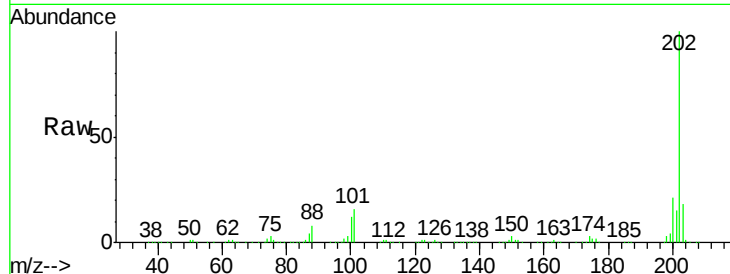




#16
Fluoranthene
 Concen: 38.226 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BN000995.D
 Acq: 30 Apr 2018 16:29

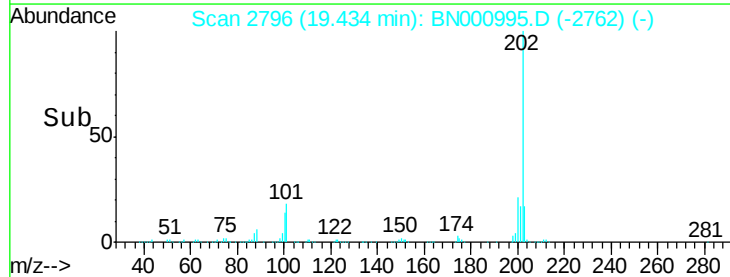
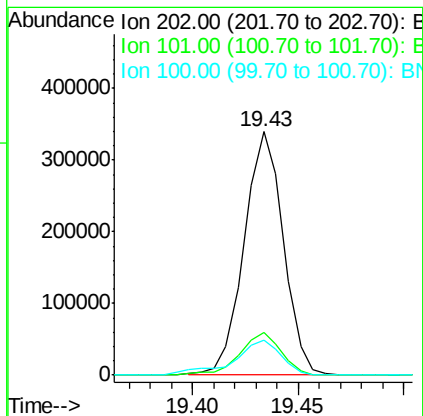
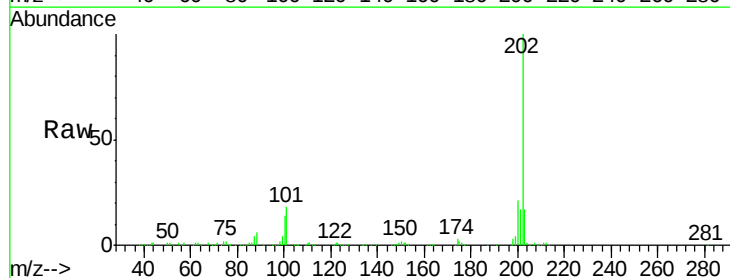
Instrument :
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 ClientSampleId :
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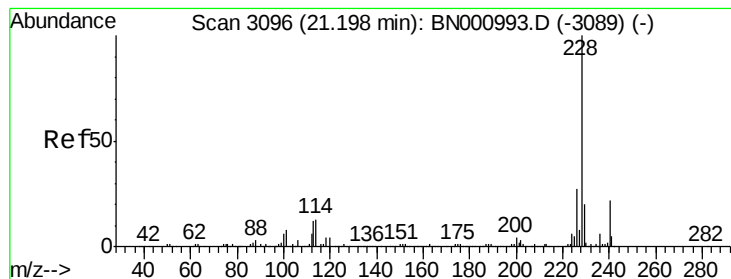
Tot Ion:202 Resp: 1039665
 Ion Ratio Lower Upper
 202 100
 101 15.6 9.9 14.9#
 100 11.9 7.4 11.0#



#19
Pyrene
 Concen: 14.312 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BN000995.D
 Acq: 30 Apr 2018 16:29

Tgt Ion:202 Resp: 435980
 Ion Ratio Lower Upper
 202 100
 101 17.6 11.0 16.4#
 100 14.4 8.1 12.1#





#20

Benzo(a)anthracene

Concen: 14.792 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

ClientSampleId :

DAT24

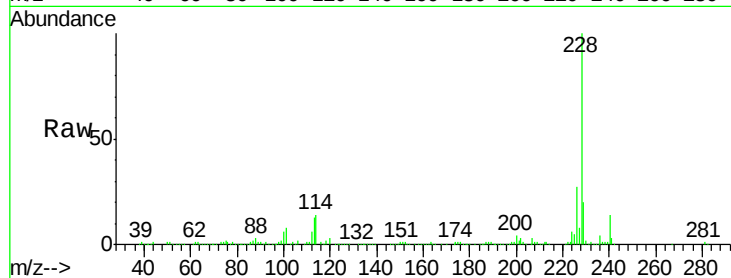
Tot Ion:228 Resp: 419360

Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

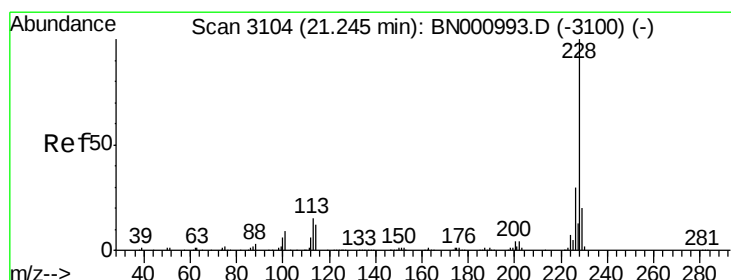
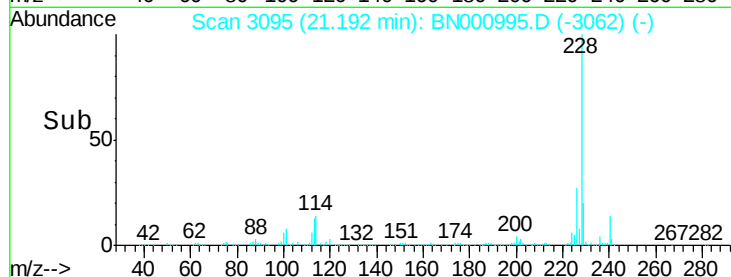
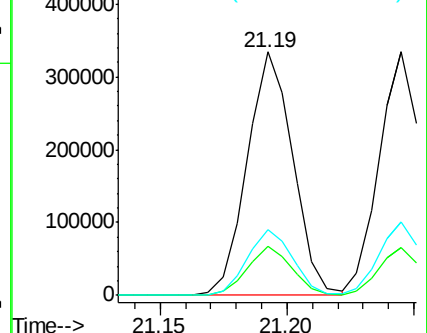
226 27.0 21.1 31.7



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



#21

Chrysene

Concen: 14.617 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

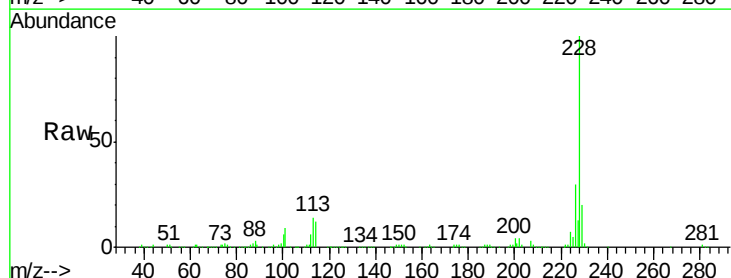
Tgt Ion:228 Resp: 389489

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

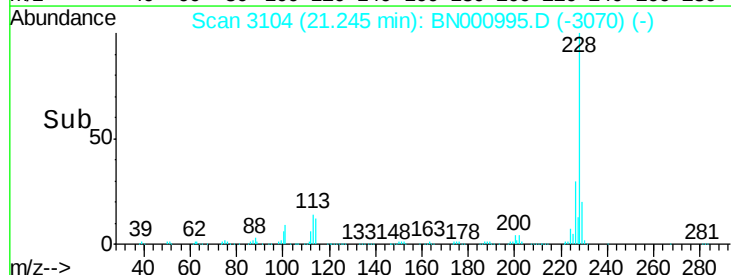
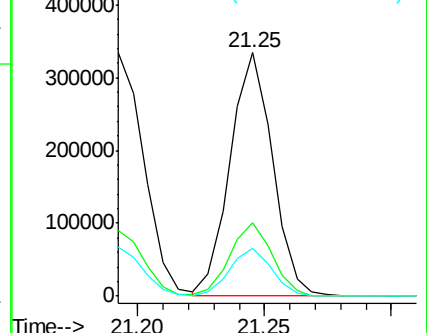
229 19.9 15.8 23.8

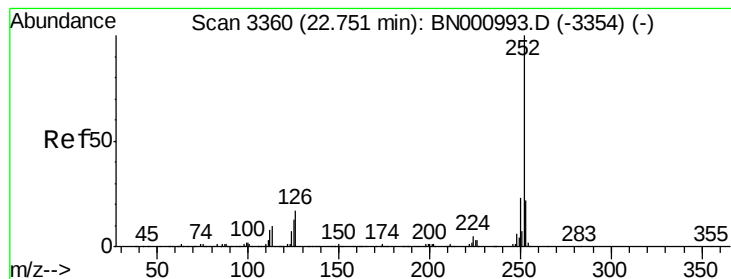


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 47.642 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

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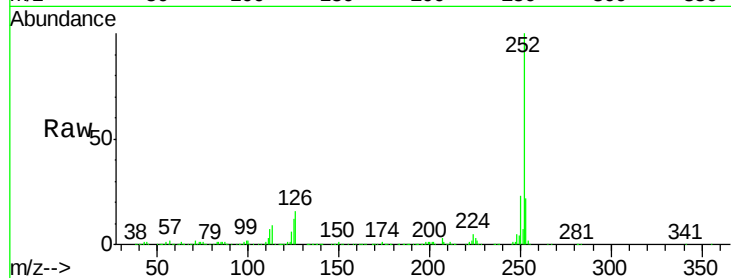
Tot Ion:252 Resp: 1343022

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

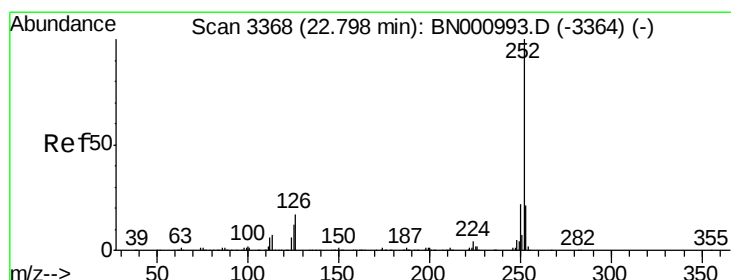
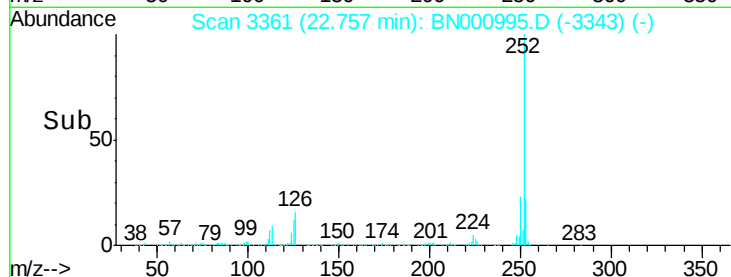
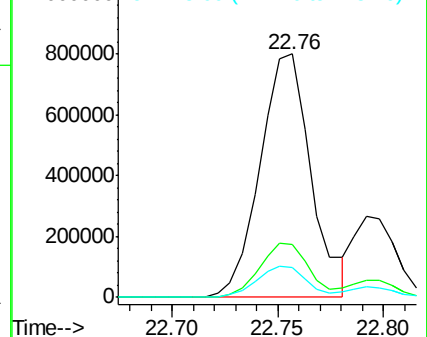
125 12.2 8.0 12.0#



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

Benzo(k)fluoranthene

Concen: 13.070 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

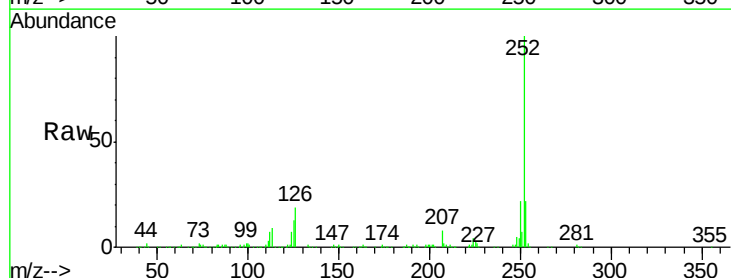
Tgt Ion:252 Resp: 360532

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

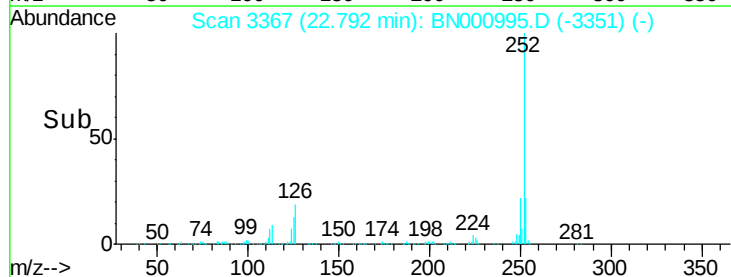
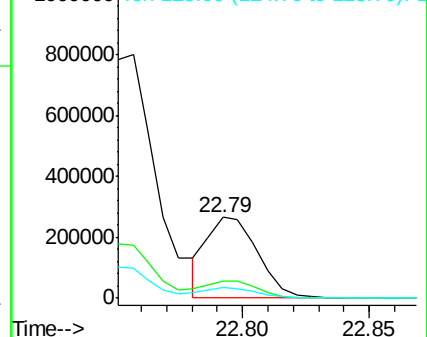
125 13.1 8.1 12.1#

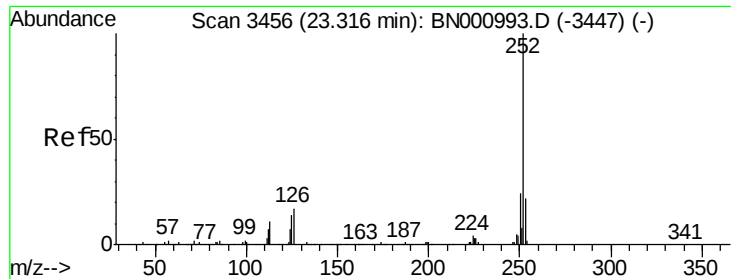


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 12.760 ng/uL

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

ClientSampleId :

DAT24

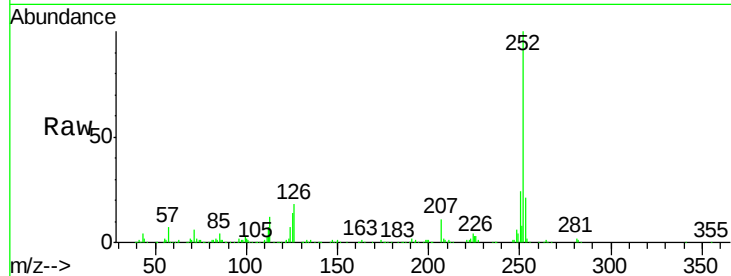
Tot Ion:252 Resp: 343761

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

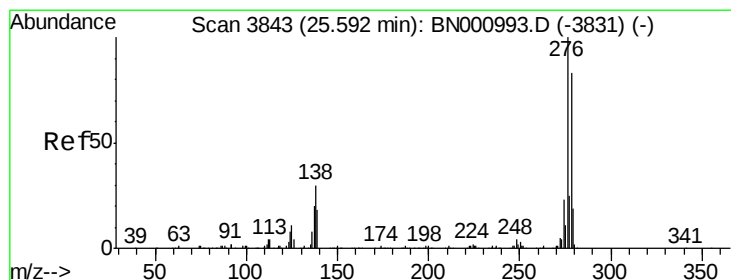
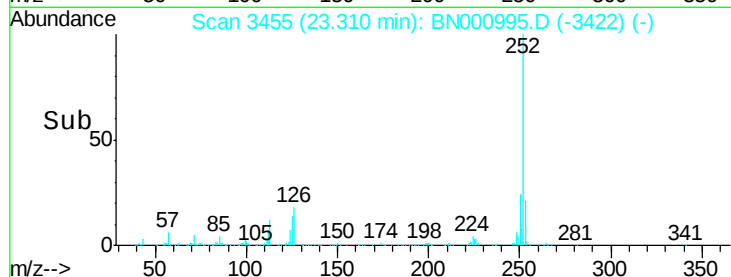
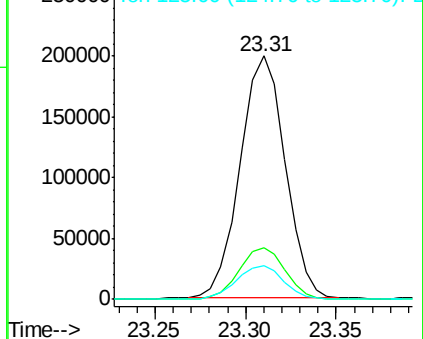
125 13.9 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 15.523 ng/uL

RT: 25.59 min Scan# 3842

Delta R.T. -0.01 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

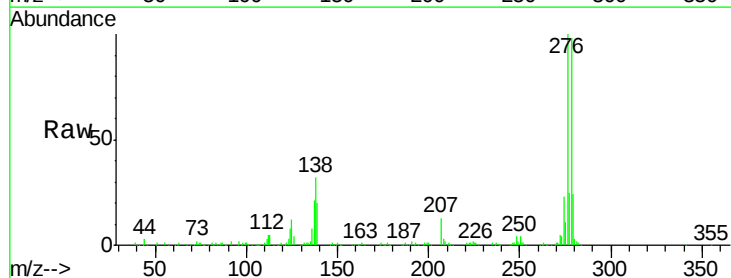
Tgt Ion:276 Resp: 505122

Ion Ratio Lower Upper

276 100

138 32.1 14.4 21.6#

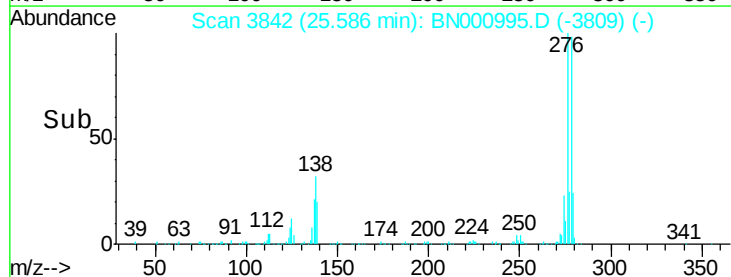
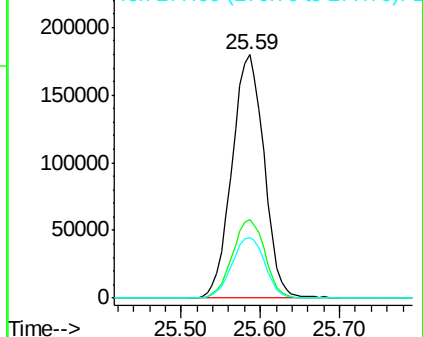
277 25.1 18.0 27.0

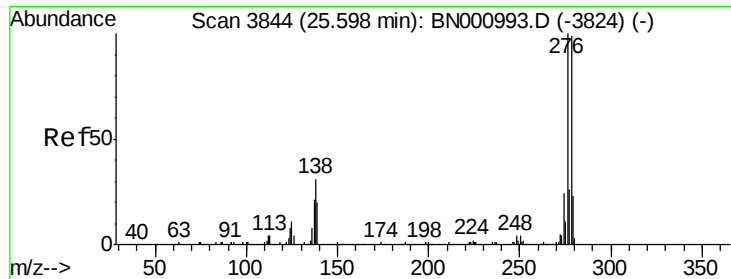


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 18.555 ng/u1

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

Instrument :

BNA_N

ClientSampleId :

DAT24

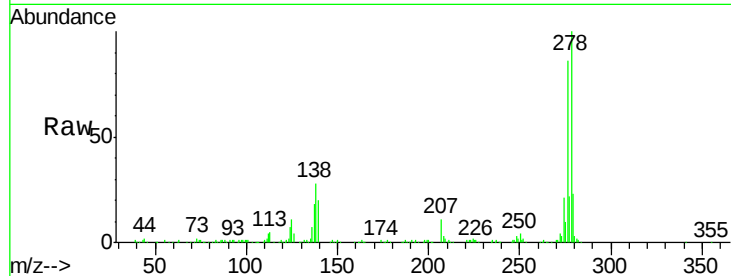
Tot Ion:278 Resp: 503216

Ion Ratio Lower Upper

278 100

139 19.7 12.2 18.4#

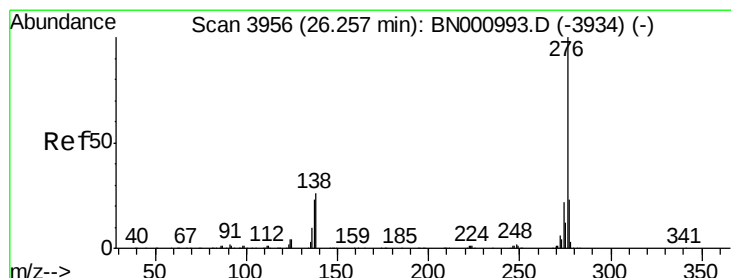
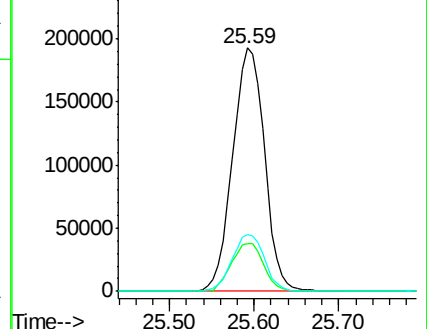
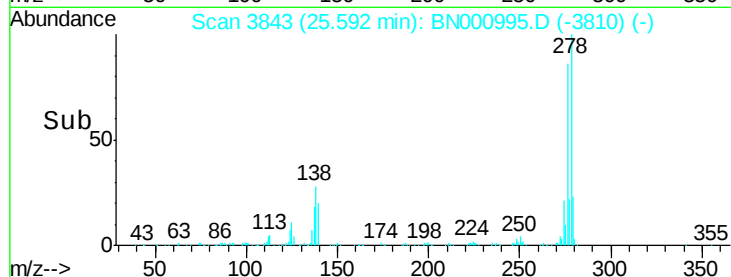
279 23.4 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 16.586 ng/u1

RT: 26.25 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BN000995.D

Acq: 30 Apr 2018 16:29

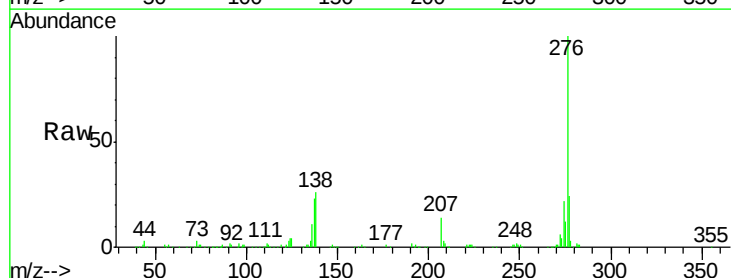
Tgt Ion:276 Resp: 451399

Ion Ratio Lower Upper

276 100

138 26.0 15.3 22.9#

277 24.0 19.0 28.4



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

