

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042018\
 Data File : BN000813.D
 Acq On : 21 Apr 2018 01:22
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD02058

Quant Time: Apr 21 02:48:58 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN041918-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 21 02:47:17 2018
 Response via : Initial Calibration

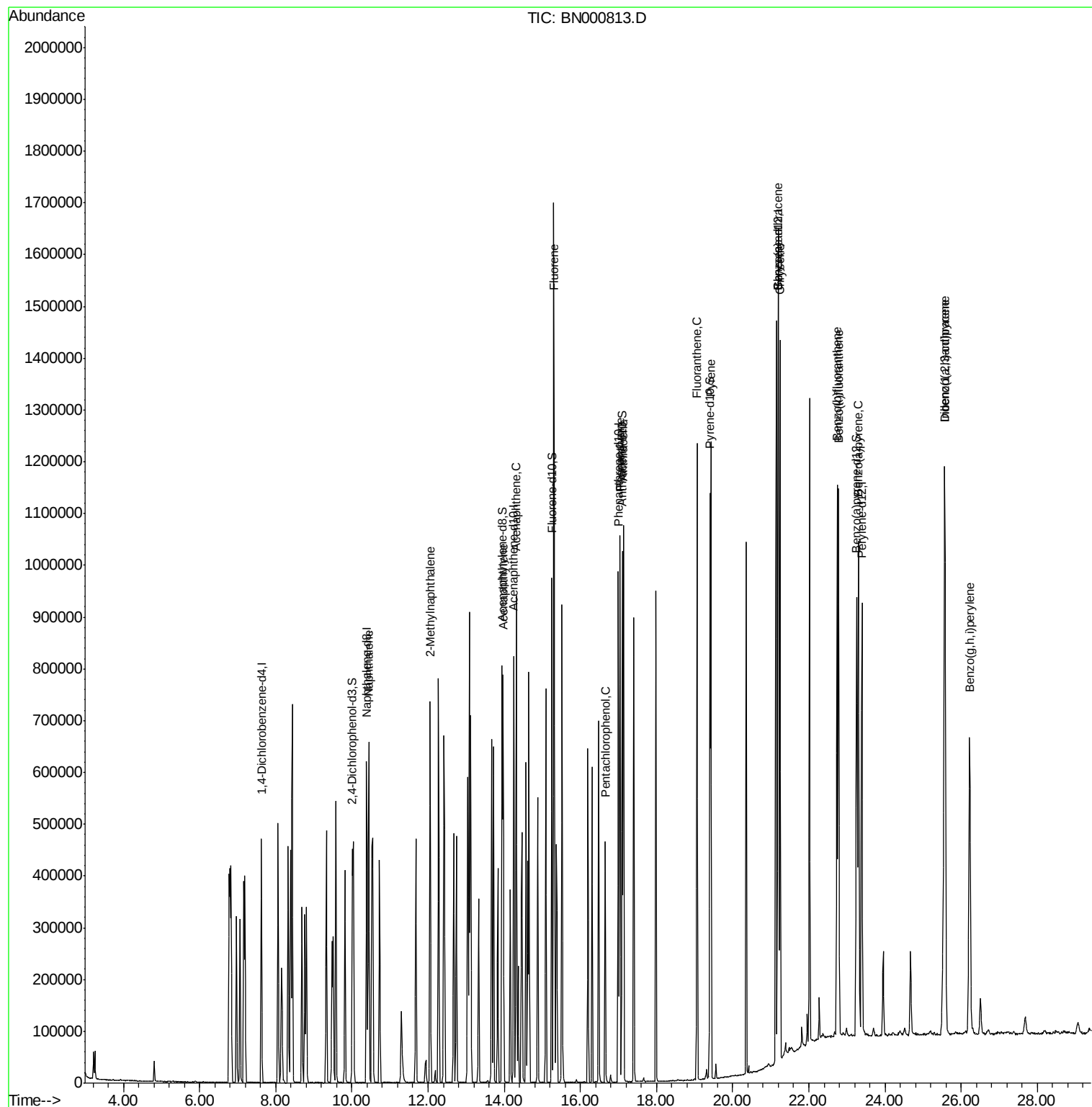
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	116282	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	499914	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	257464	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	529193	20.00	ng/ul	0.00
18) Chrysene-d12	21.20	240	509256	20.00	ng/ul	0.00
23) Perylene-d12	23.39	264	528301	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.01	165	153223	21.54	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	533061	21.51	ng/ul	0.00
10) Fluorene-d10	15.25	176	351794	21.19	ng/ul	0.00
15) Anthracene-d10	17.10	188	520056	21.26	ng/ul	0.00
19) Pyrene-d10	19.40	212	531994	20.76	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.26	264	537010	21.56	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.44	128	524237	20.714	ng/ul	99
5) 2-Methylnaphthalene	12.06	142	351551	20.689	ng/ul	96
8) Acenaphthylene	13.97	152	524655	21.369	ng/ul	99
9) Acenaphthene	14.32	153	358456	21.142	ng/ul	100
11) Fluorene	15.30	166	390057	21.444	ng/ul	99
13) Pentachlorophenol	16.65	266	68467	21.412	ng/ul	98
14) Phenanthrene	17.04	178	605892	20.956	ng/ul	99
16) Anthracene	17.13	178	616851	21.101	ng/ul	99
17) Fluoranthene	19.06	202	653319	22.985	ng/ul#	72
20) Pyrene	19.43	202	668126	20.723	ng/ul#	71
21) Benzo(a)anthracene	21.19	228	638693	21.051	ng/ul	98
22) Chrysene	21.24	228	597967	20.839	ng/ul	98
24) Benzo(b)fluoranthene	22.74	252	644164	21.081	ng/ul#	95
25) Benzo(k)fluoranthene	22.79	252	612159	20.755	ng/ul#	95
27) Benzo(a)pyrene	23.30	252	615608	21.053	ng/ul#	94
28) Indeno(1,2,3-cd)pyrene	25.56	276	733880	22.473	ng/ul#	84
29) Dibenzo(a,h)anthracene	25.57	278	608910	22.296	ng/ul#	90
30) Benzo(g,h,i)perylene	26.22	276	612057	22.635	ng/ul#	86

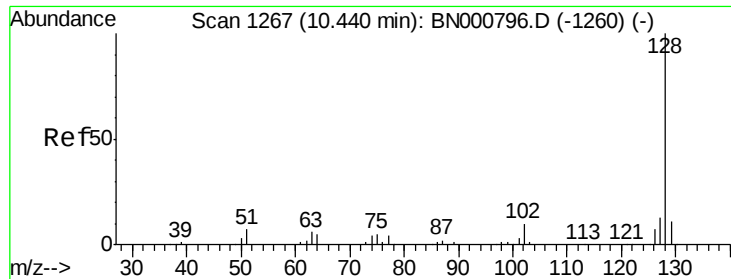
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.714 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

Instrument :

BNA_N

ClientSampleId :

SSTD02058

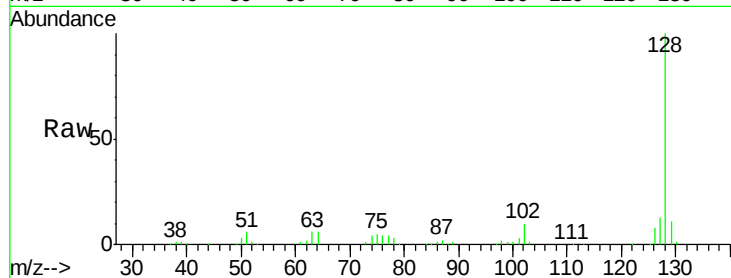
Tot Ion:128 Resp: 524237

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

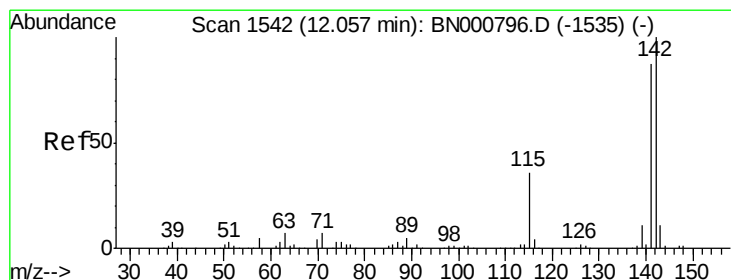
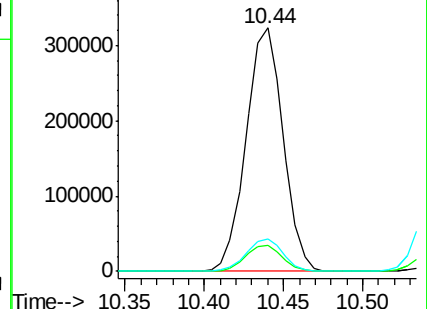
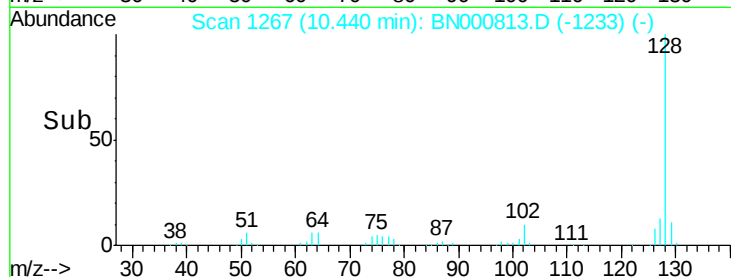
127 13.2 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 20.689 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BN000813.D

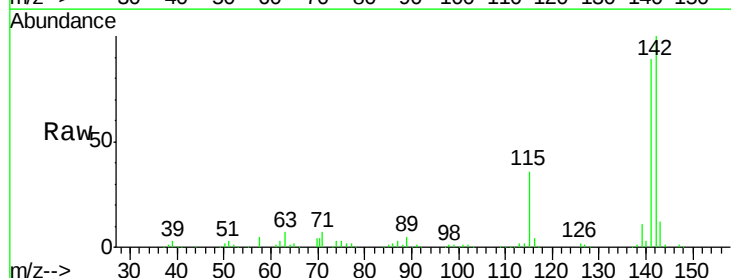
Acq: 21 Apr 2018 01:22

Tgt Ion:142 Resp: 351551

Ion Ratio Lower Upper

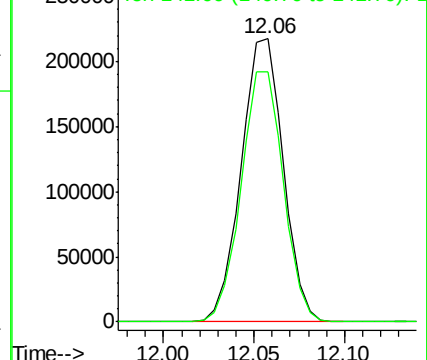
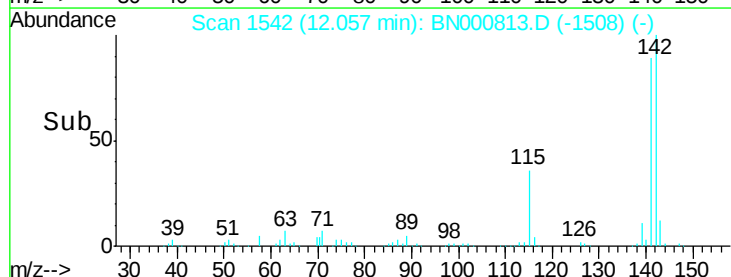
142 100

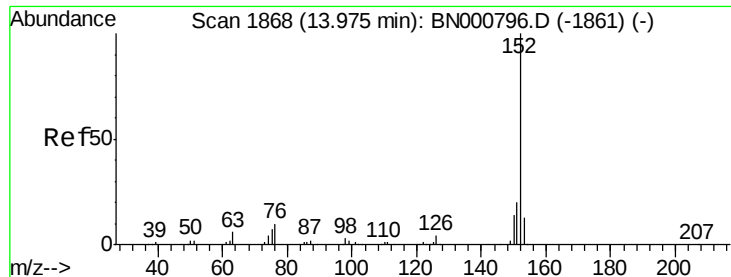
141 88.6 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.369 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

Instrument :

BNA_N

ClientSampleId :

SSTD02058

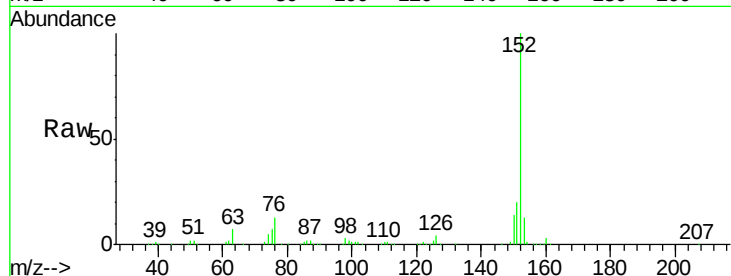
Tot Ion:152 Resp: 524655

Ion Ratio Lower Upper

152 100

151 19.8 16.3 24.5

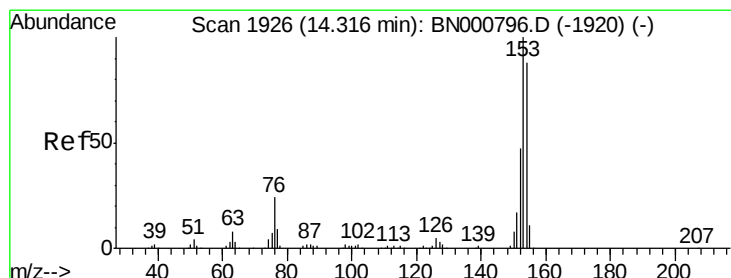
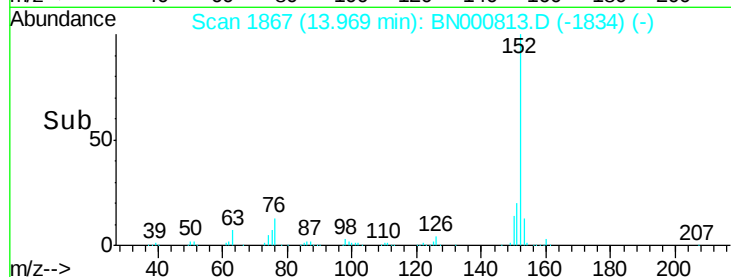
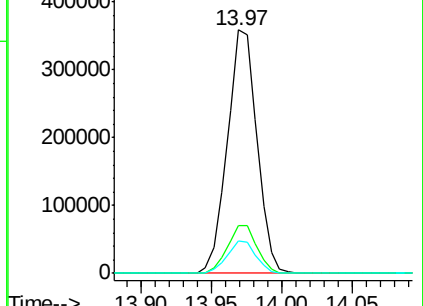
153 13.1 10.2 15.4



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: 21.142 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

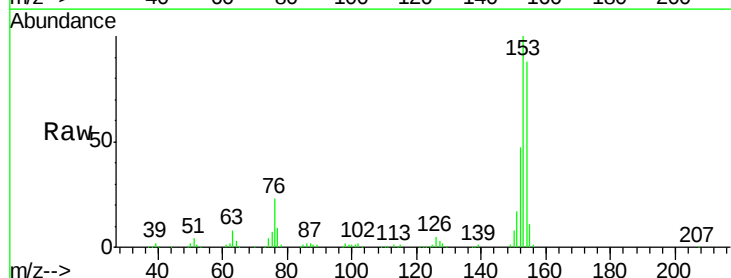
Tgt Ion:153 Resp: 358456

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

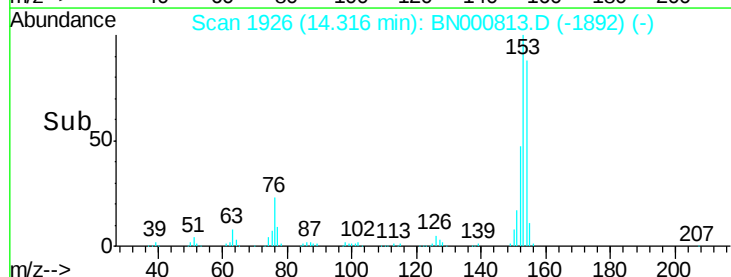
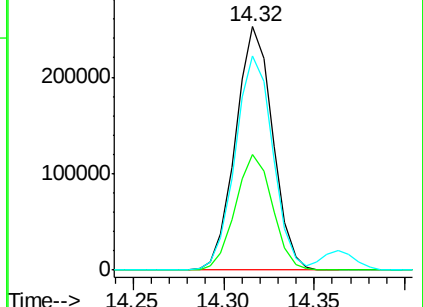
154 87.9 70.4 105.6

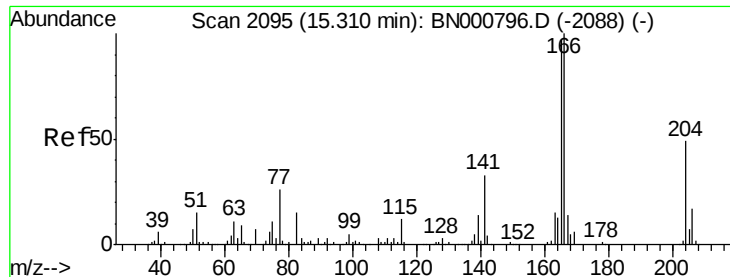


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 21.444 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

Instrument :

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SSTD02058

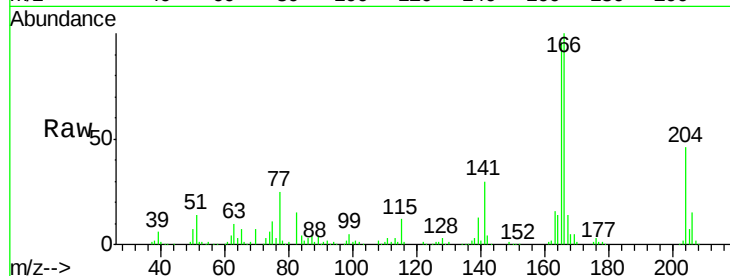
Tot Ion:166 Resp: 390057

Ion Ratio Lower Upper

166 100

165 96.1 77.9 116.9

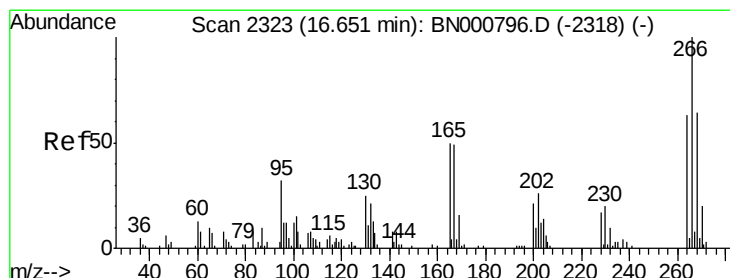
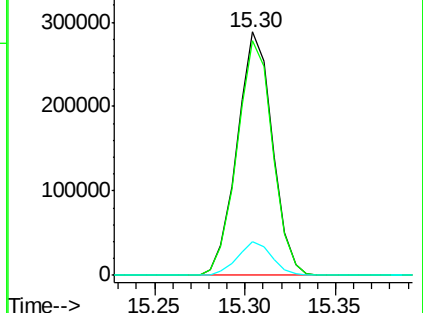
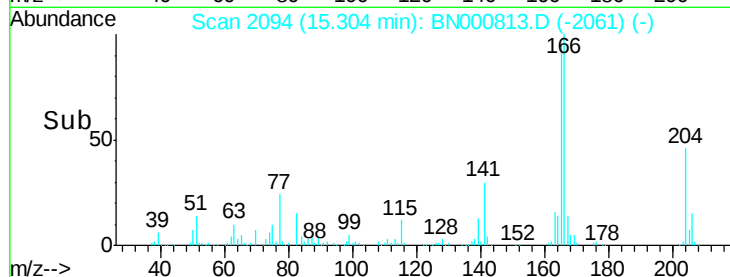
167 13.6 10.6 16.0



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



#13

Pentachlorophenol

Concen: 21.412 ng/ul

RT: 16.65 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

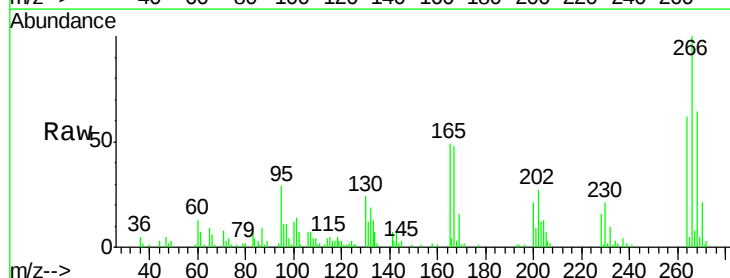
Tgt Ion:266 Resp: 68467

Ion Ratio Lower Upper

266 100

264 61.9 49.3 73.9

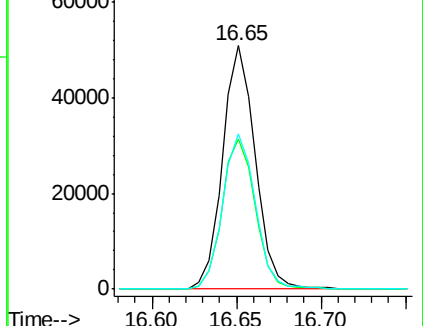
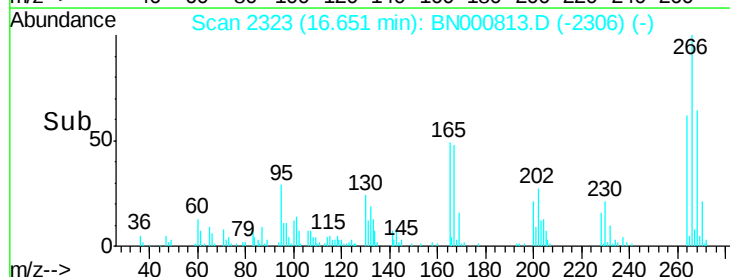
268 63.6 52.6 78.8

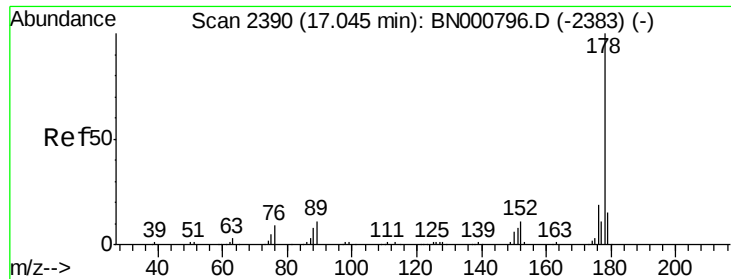


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.956 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

Instrument :

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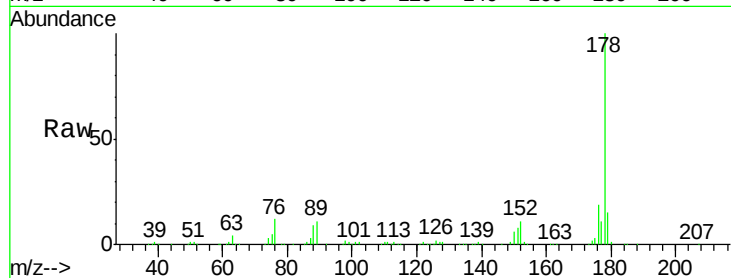
Tot Ion:178 Resp: 605892

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

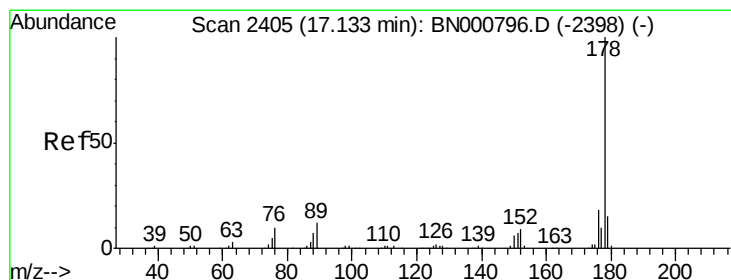
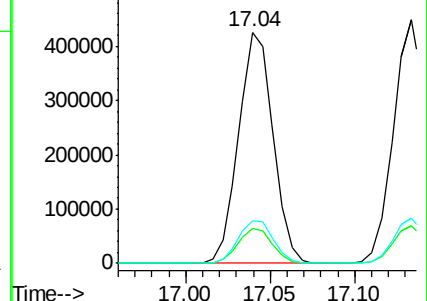
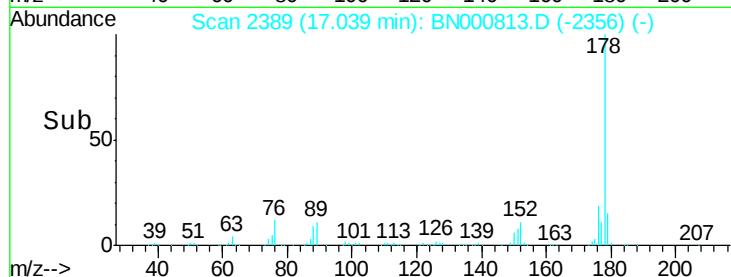
176 18.7 14.9 22.3



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

Anthracene

Concen: 21.101 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

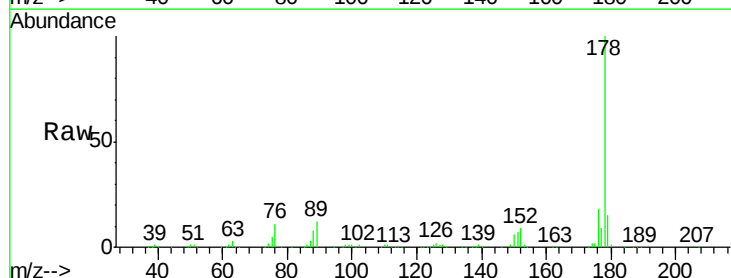
Tgt Ion:178 Resp: 616851

Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

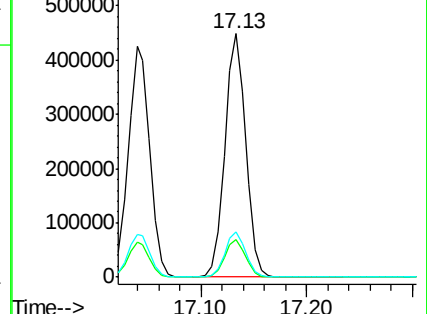
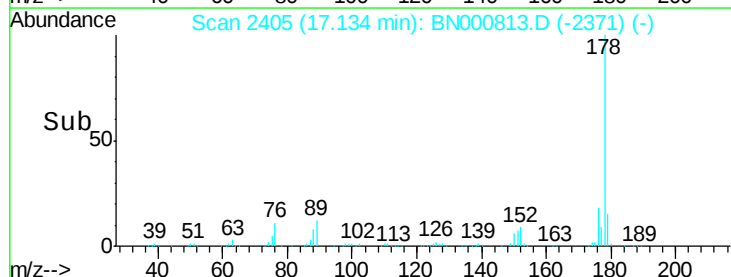
176 18.4 14.6 21.8

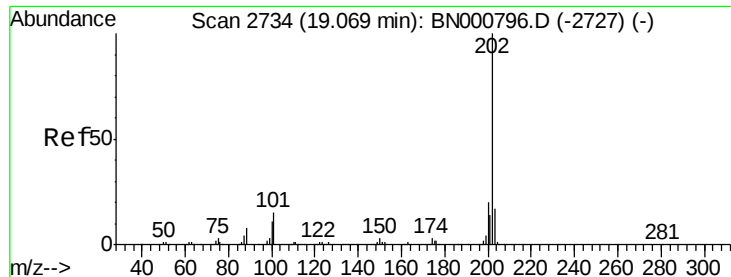


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

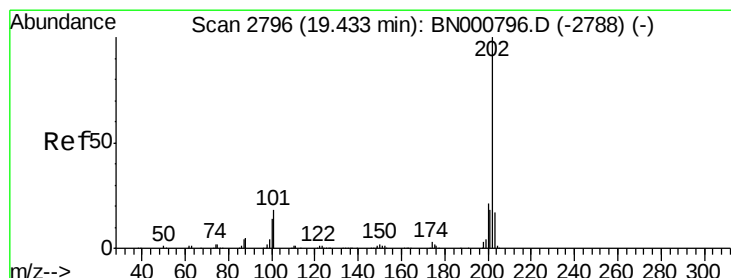
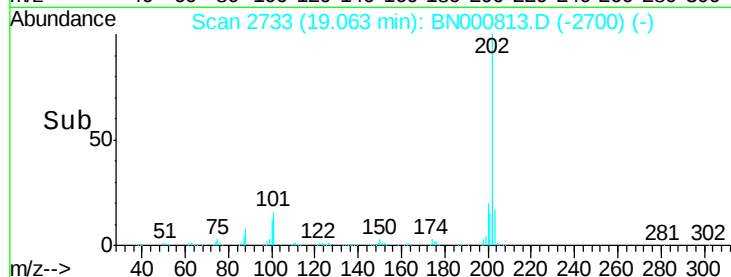
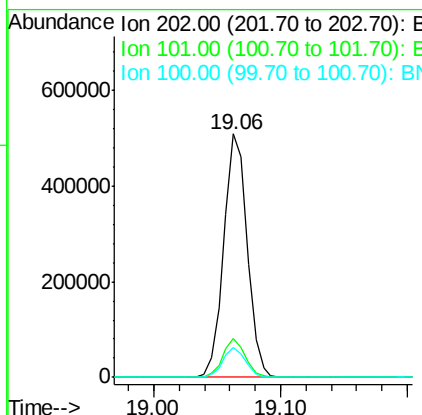
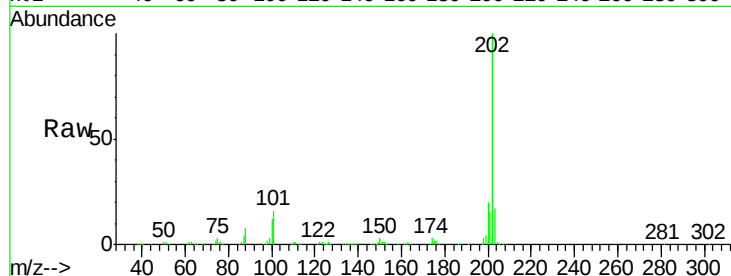




#17
Fluoranthene
Concen: 22.985 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. -0.01 min
Lab File: BN000813.D
Acq: 21 Apr 2018 01:22

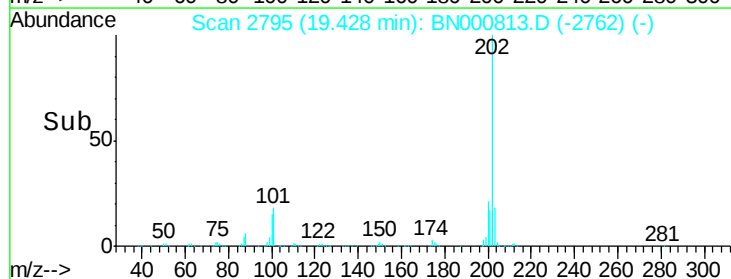
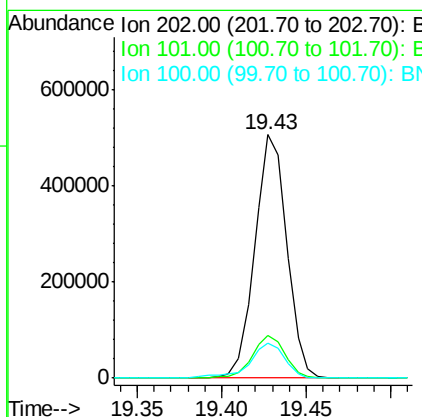
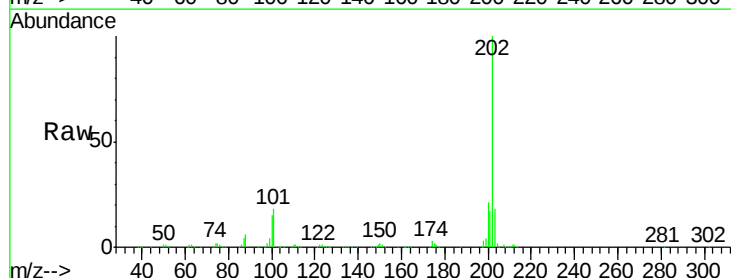
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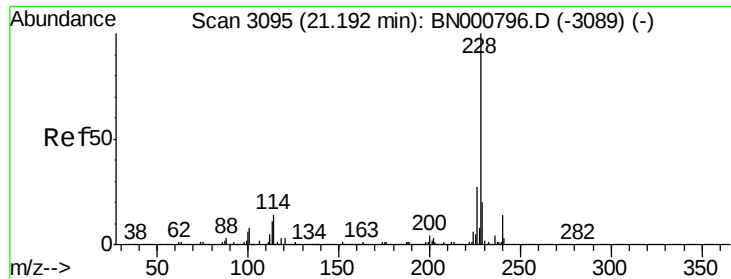
Tot Ion:202 Resp: 653319
Ion Ratio Lower Upper
202 100
101 16.0 4.6 7.0#
100 12.1 3.4 5.2#



#20
Pyrene
Concen: 20.723 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. -0.01 min
Lab File: BN000813.D
Acq: 21 Apr 2018 01:22

Tgt Ion:202 Resp: 668126
Ion Ratio Lower Upper
202 100
101 17.7 5.1 7.7#
100 14.6 4.9 7.3#

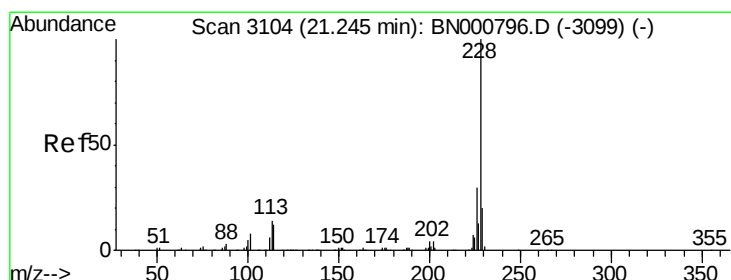
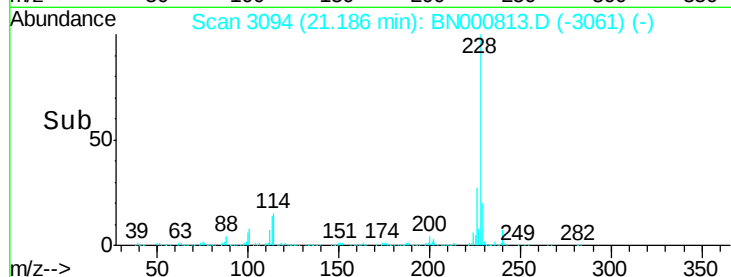
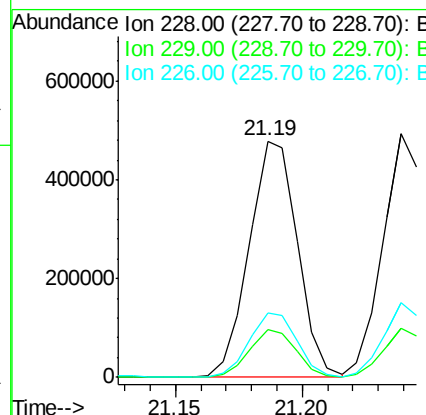
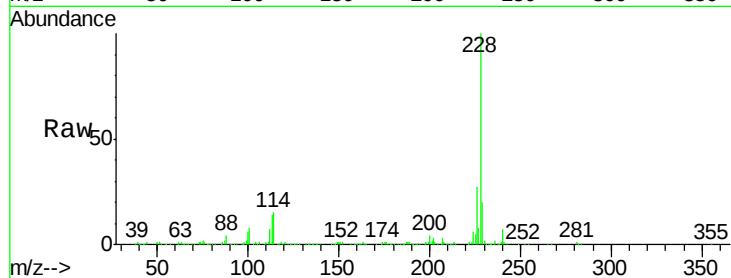




#21
Benzo(a)anthracene
Concen: 21.051 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BN000813.D
Acq: 21 Apr 2018 01:22

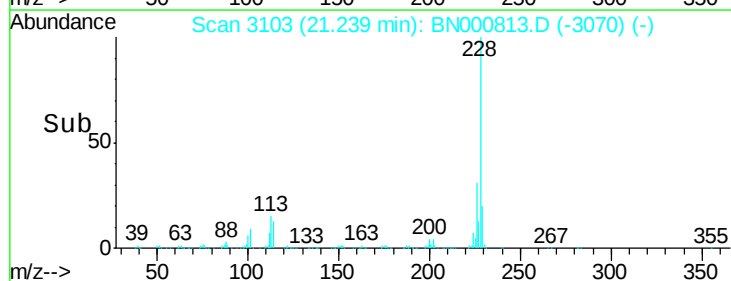
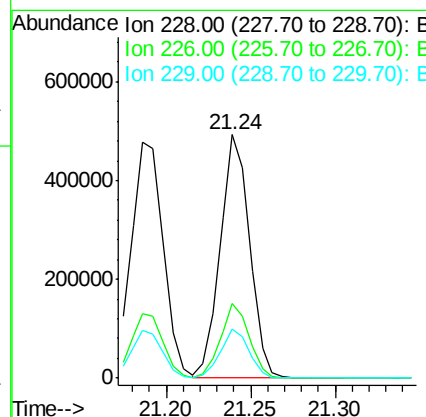
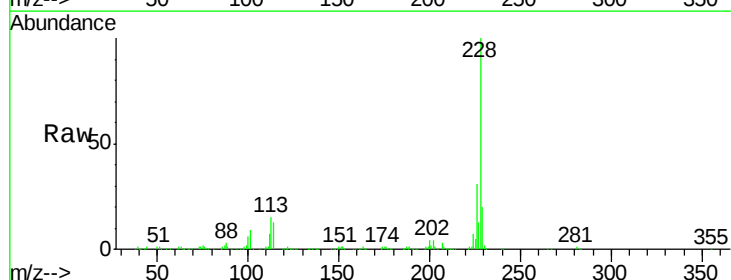
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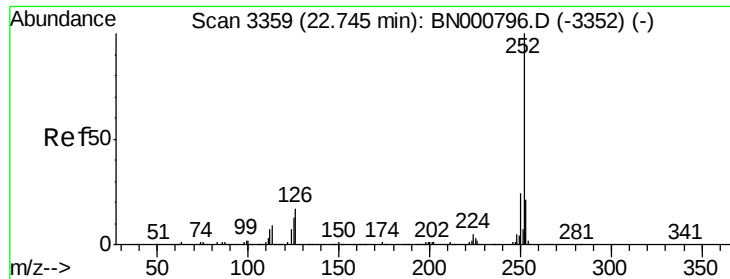
Tot Ion:228 Resp: 638693
Ion Ratio Lower Upper
228 100
229 20.1 15.4 23.0
226 27.3 21.4 32.0



#22
Chrysene
Concen: 20.839 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BN000813.D
Acq: 21 Apr 2018 01:22

Tgt Ion:228 Resp: 597967
Ion Ratio Lower Upper
228 100
226 30.5 23.4 35.2
229 20.0 15.5 23.3





#24

Benzo(b)fluoranthene

Concen: 21.081 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

Instrument :

BNA_N

ClientSampleId :

SSTD02058

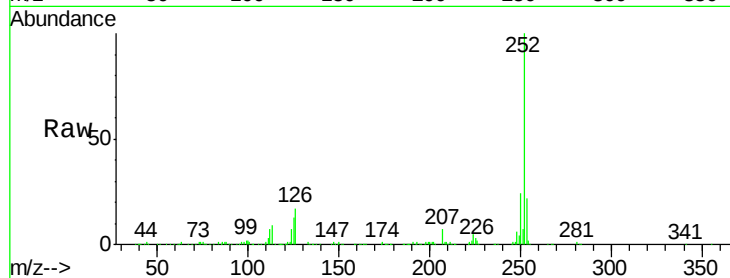
Tot Ion:252 Resp: 644164

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

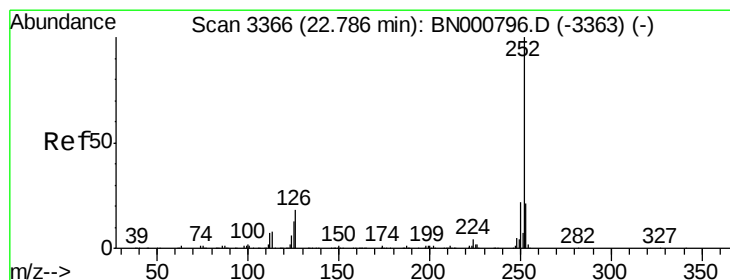
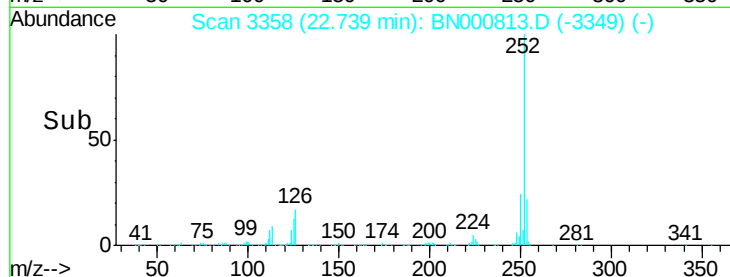
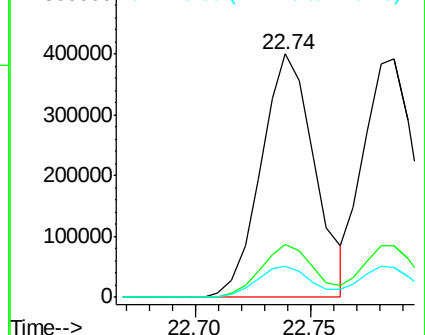
125 12.8 3.6 5.4#



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



#25

Benzo(k)fluoranthene

Concen: 20.755 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.00 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

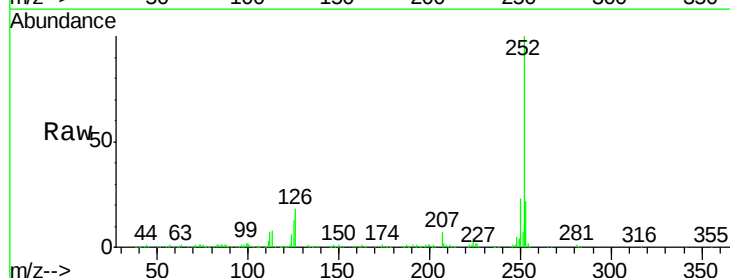
Tgt Ion:252 Resp: 612159

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

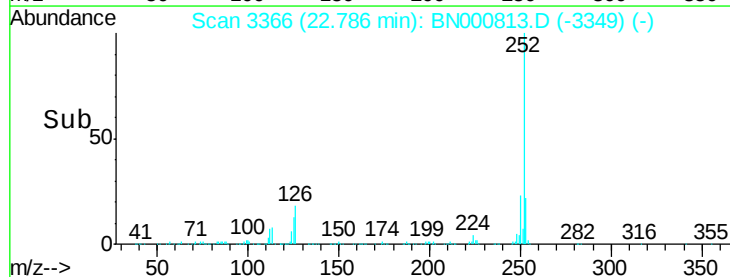
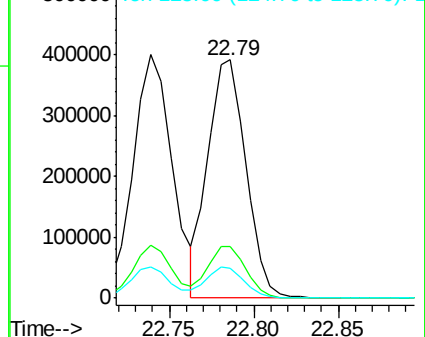
125 12.7 3.4 5.2#

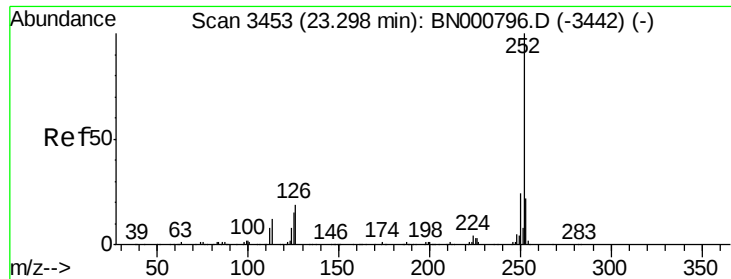


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

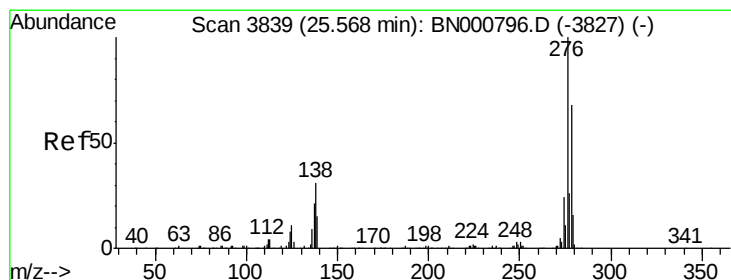
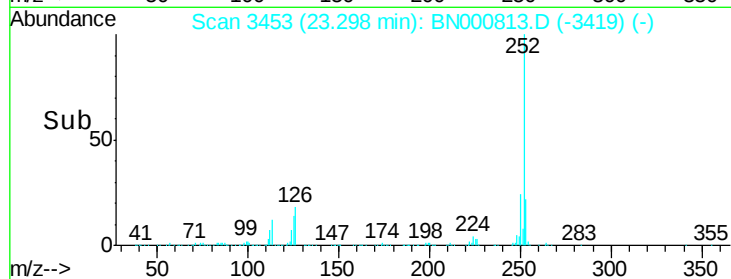
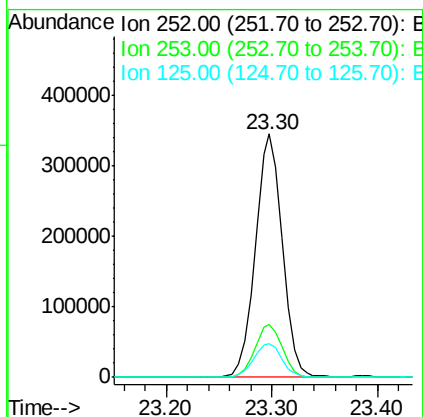
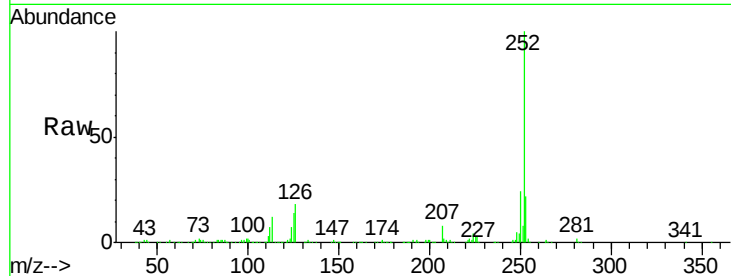




#27
Benzo(a)pyrene
Concen: 21.053 ng/u1
RT: 23.30 min Scan# 3453
Delta R.T. 0.00 min
Lab File: BN000813.D
Acq: 21 Apr 2018 01:22

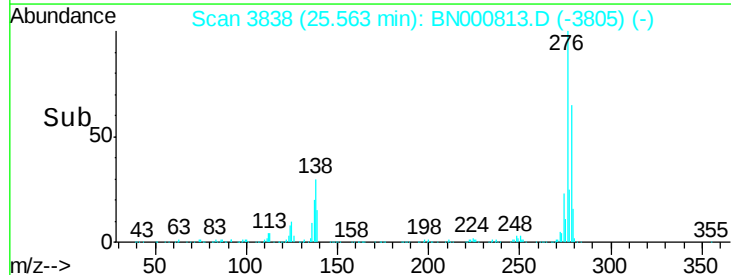
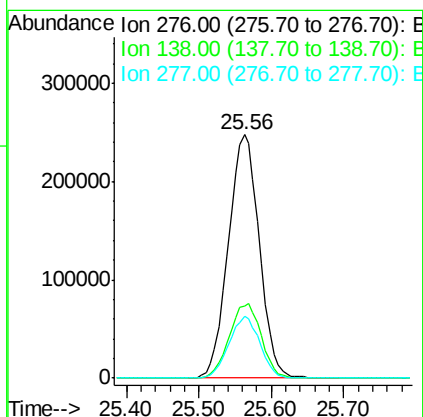
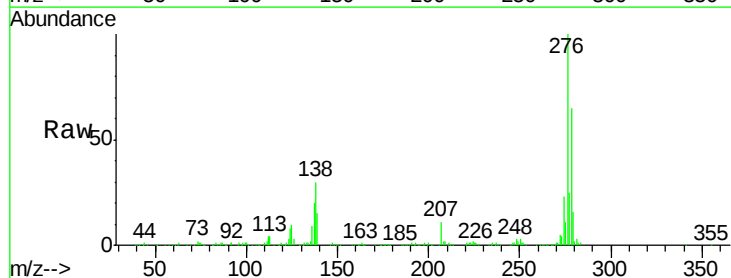
Instrument :
BNA_N
ClientSampleId :
SSTD02058

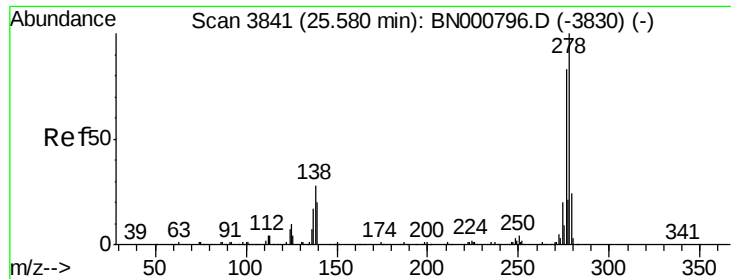
Tot Ion:252 Resp: 615608
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 14.0 4.0 6.0#



#28
Indeno(1,2,3-cd)pyrene
Concen: 22.473 ng/u1
RT: 25.56 min Scan# 3838
Delta R.T. -0.01 min
Lab File: BN000813.D
Acq: 21 Apr 2018 01:22

Tgt Ion:276 Resp: 733880
Ion Ratio Lower Upper
276 100
138 29.7 9.3 13.9#
277 25.3 19.9 29.9





#29

Dibenzo(a,h)anthracene

Concen: 22.296 ng/u1

RT: 25.57 min Scan# 3840

Delta R.T. -0.01 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

Instrument :

BNA_N

ClientSampleId :

SSTD02058

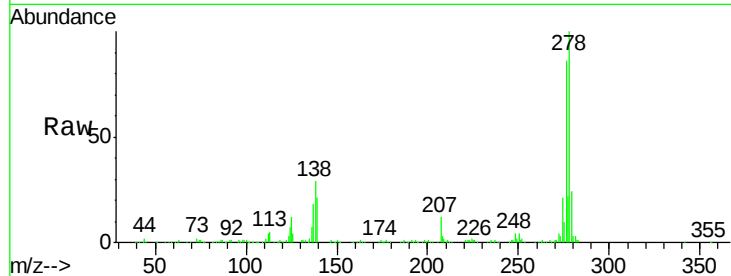
Tot Ion:278 Resp: 608910

Ion Ratio Lower Upper

278 100

139 21.4 5.8 8.8#

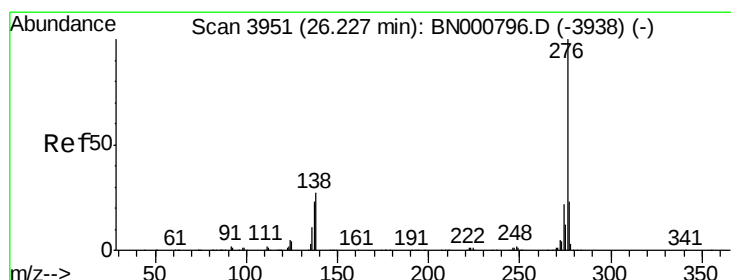
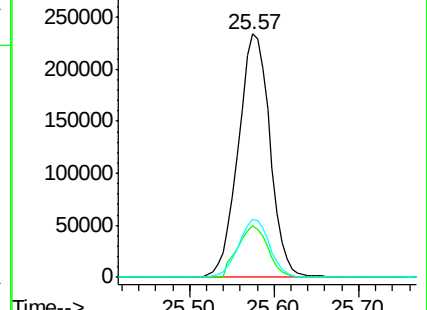
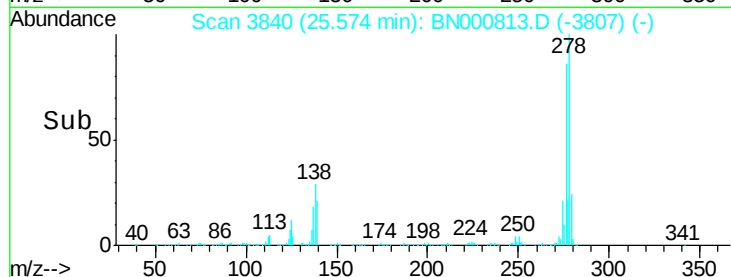
279 23.6 18.6 27.8



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



#30

Benzo(g,h,i)perylene

Concen: 22.635 ng/u1

RT: 26.22 min Scan# 3950

Delta R.T. -0.01 min

Lab File: BN000813.D

Acq: 21 Apr 2018 01:22

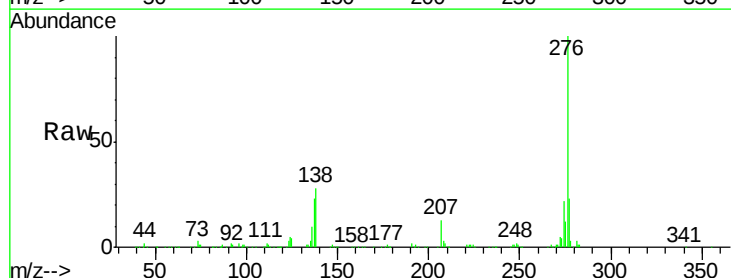
Tgt Ion:276 Resp: 612057

Ion Ratio Lower Upper

276 100

138 27.7 8.5 12.7#

277 23.2 18.6 28.0



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

