

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042018\
 Data File : BN000796.D
 Acq On : 20 Apr 2018 15:35
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD02057

Quant Time: Apr 21 02:45:46 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN041918-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 05:19:57 2018
 Response via : Initial Calibration

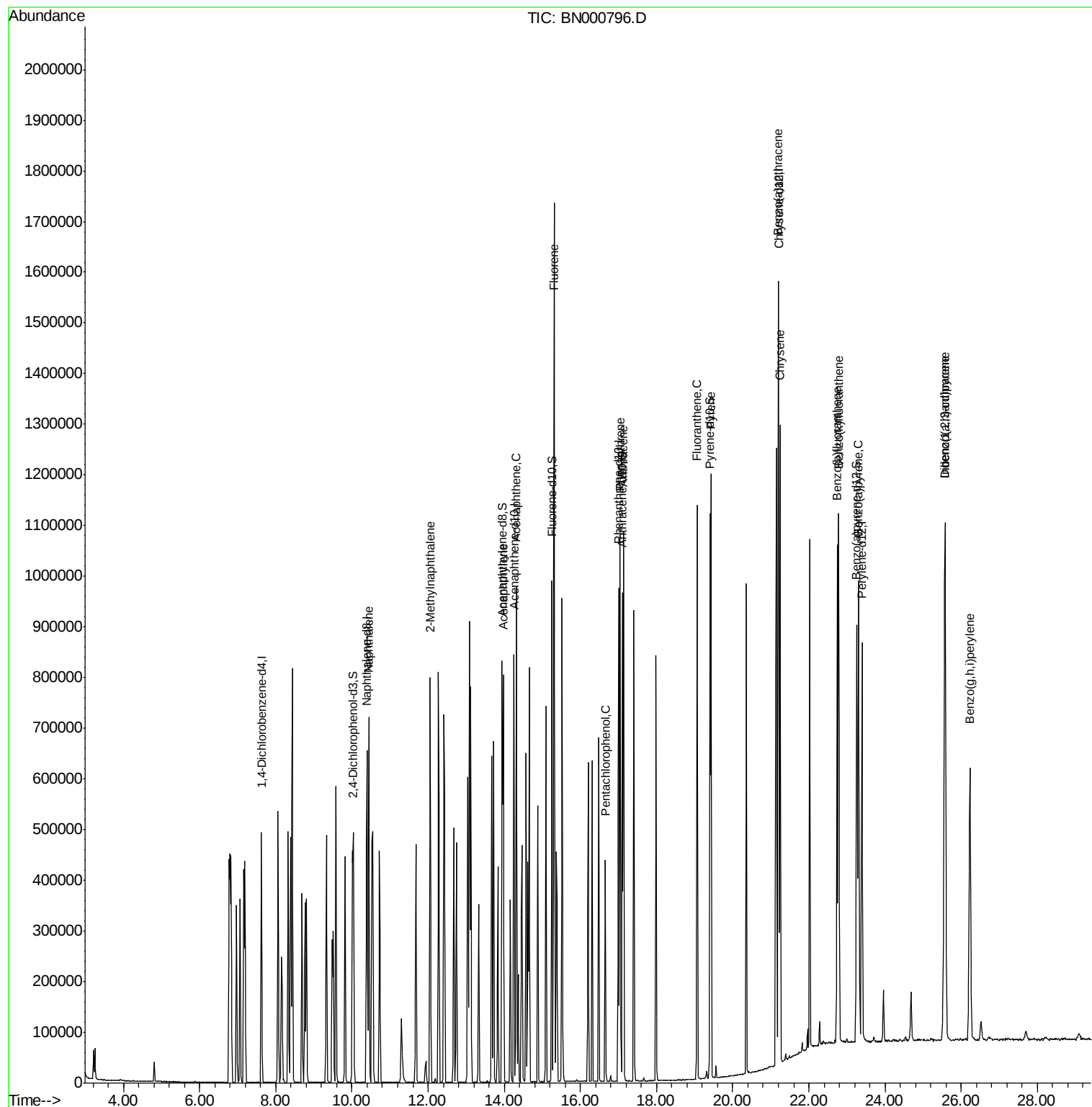
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	128682	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	536012	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	266019	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	519199	20.00	ng/ul	0.00
18) Chrysene-d12	21.21	240	484344	20.00	ng/ul	0.00
23) Perylene-d12	23.40	264	491691	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.01	165	160390	21.03	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	545583	21.31	ng/ul	0.00
10) Fluorene-d10	15.25	176	356555	20.78	ng/ul	0.00
15) Anthracene-d10	17.10	188	506063	21.08	ng/ul	0.00
19) Pyrene-d10	19.40	212	505083	20.72	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.26	264	498638	21.51	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.44	128	566085	20.861	ng/ul	99
5) 2-Methylnaphthalene	12.06	142	374391	20.550	ng/ul	95
8) Acenaphthylene	13.97	152	540001	21.287	ng/ul	99
9) Acenaphthene	14.32	153	370446	21.146	ng/ul	100
11) Fluorene	15.31	166	396381	21.091	ng/ul	100
13) Pentachlorophenol	16.65	266	64132	20.442	ng/ul	98
14) Phenanthrene	17.05	178	597391	21.060	ng/ul	98
16) Anthracene	17.13	178	606817	21.157	ng/ul	99
17) Fluoranthene	19.07	202	618151	22.166	ng/ul#	75
20) Pyrene	19.43	202	642296	20.946	ng/ul#	71
21) Benzo(a)anthracene	21.19	228	608972	21.104	ng/ul	99
22) Chrysene	21.24	228	575267	21.079	ng/ul	100
24) Benzo(b)fluoranthene	22.74	252	610488	21.466	ng/ul#	93
25) Benzo(k)fluoranthene	22.79	252	568087	20.695	ng/ul#	95
27) Benzo(a)pyrene	23.30	252	580955	21.347	ng/ul#	93
28) Indeno(1,2,3-cd)pyrene	25.57	276	685109	22.542	ng/ul#	83
29) Dibenzo(a,h)anthracene	25.58	278	571369	22.479	ng/ul#	90
30) Benzo(g,h,i)perylene	26.23	276	565609	22.474	ng/ul#	86

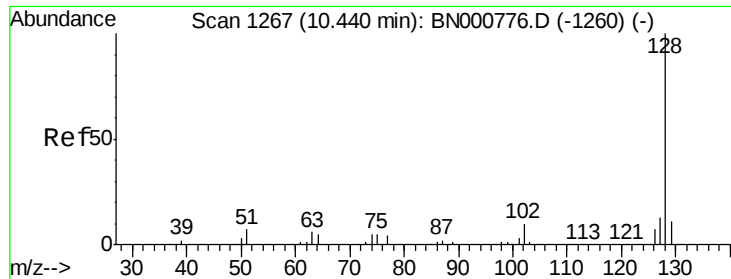
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.861 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

Instrument :

BNA_N

ClientSampleId :

SSTD02057

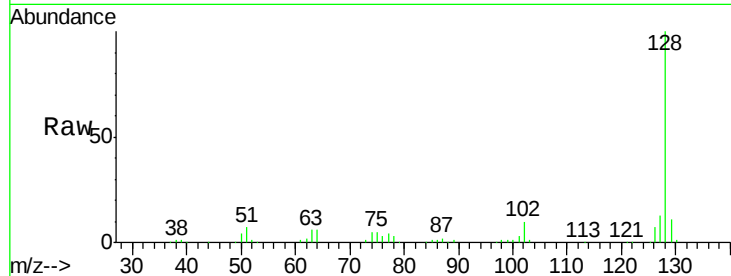
Tot Ion:128 Resp: 566085

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

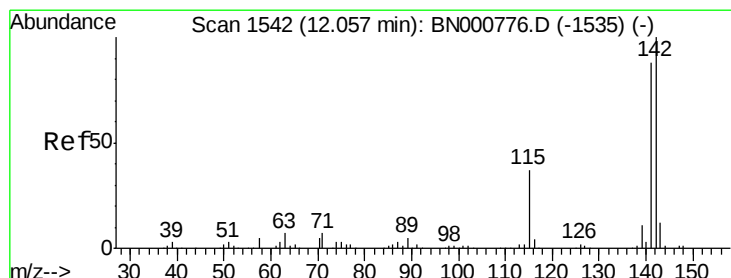
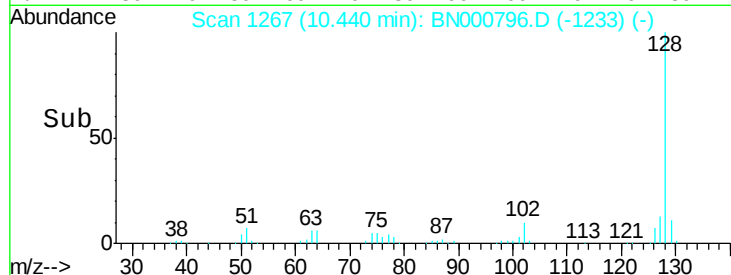
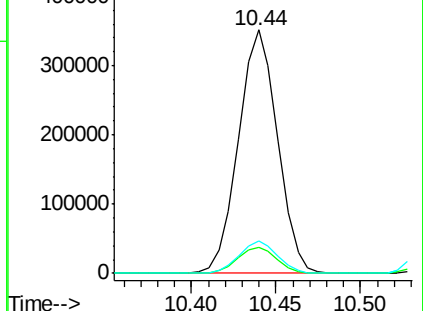
127 13.1 10.6 16.0



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: 20.550 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BN000796.D

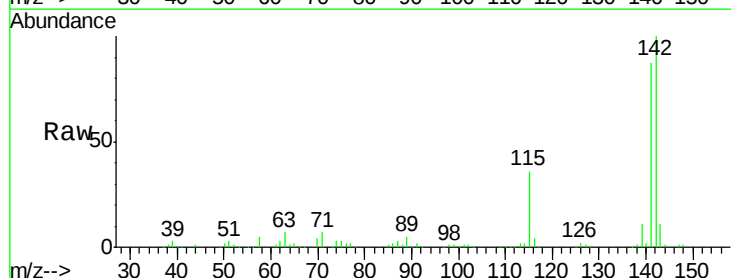
Acq: 20 Apr 2018 15:35

Tgt Ion:142 Resp: 374391

Ion Ratio Lower Upper

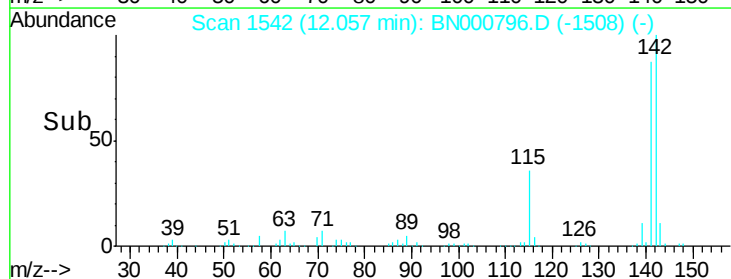
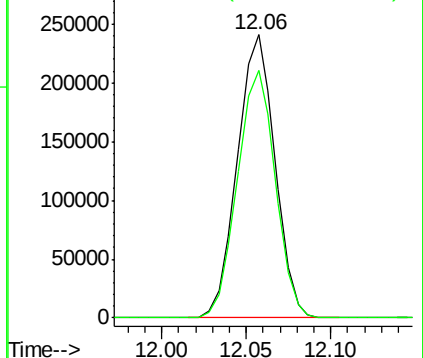
142 100

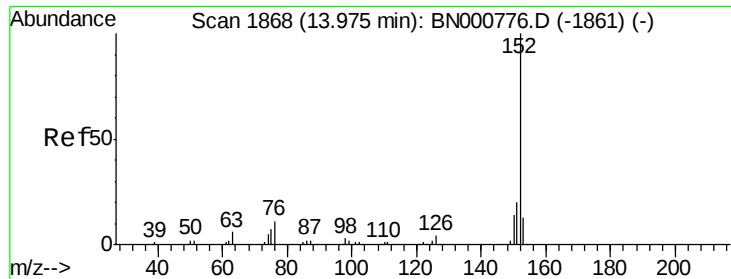
141 87.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.287 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

Instrument :

BNA_N

ClientSampleId :

SSTD02057

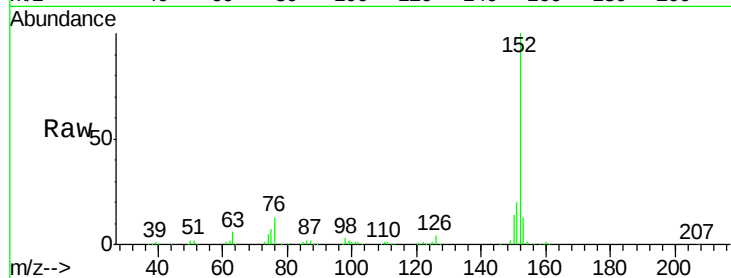
Tot Ion:152 Resp: 540001

Ion Ratio Lower Upper

152 100

151 19.7 16.3 24.5

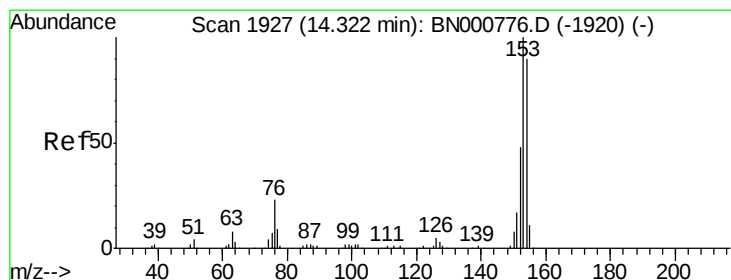
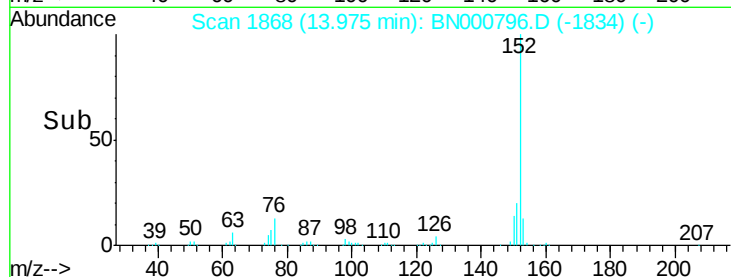
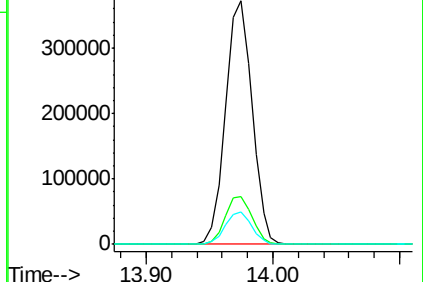
153 13.2 10.2 15.4



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: 21.146 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

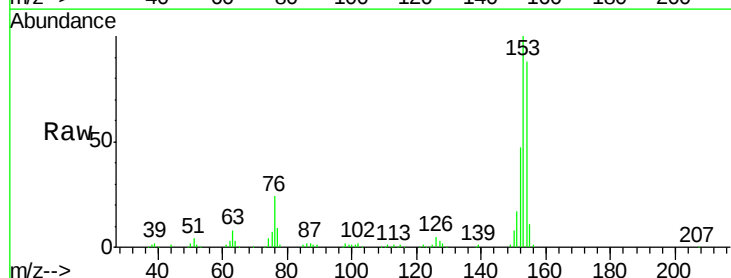
Tgt Ion:153 Resp: 370446

Ion Ratio Lower Upper

153 100

152 47.1 37.6 56.4

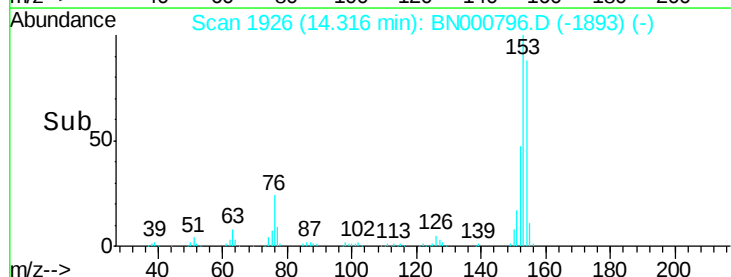
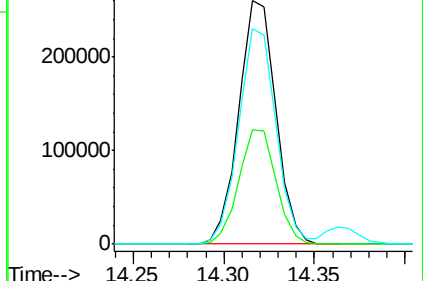
154 88.5 70.4 105.6

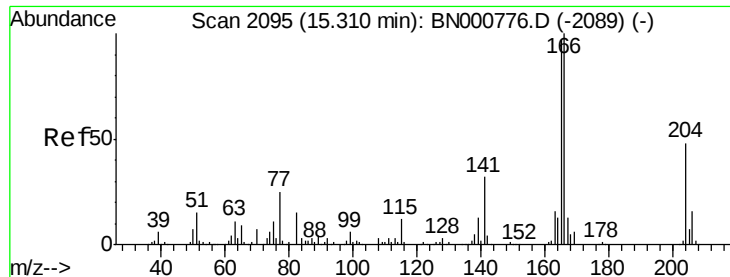


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 21.091 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

Instrument :

BNA_N

ClientSampleId :

SSTD02057

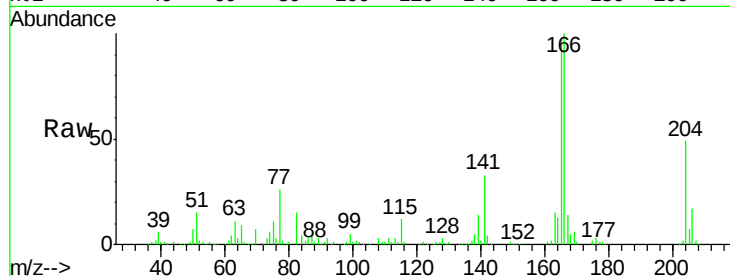
Tot Ion:166 Resp: 396381

Ion Ratio Lower Upper

166 100

165 97.4 77.9 116.9

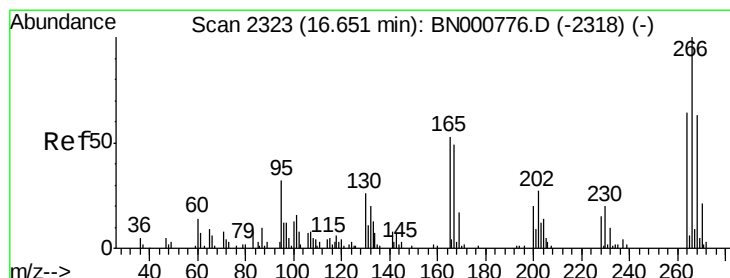
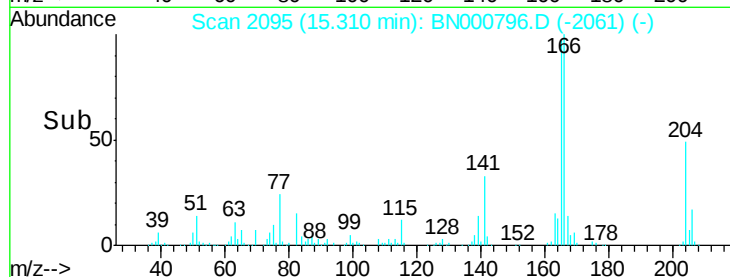
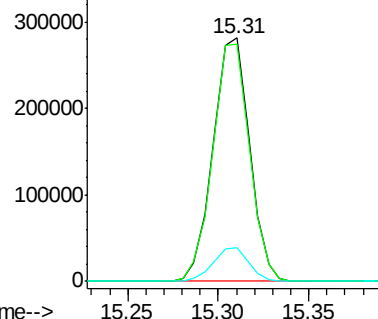
167 13.9 10.6 16.0



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: 20.442 ng/ul

RT: 16.65 min Scan# 2323

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

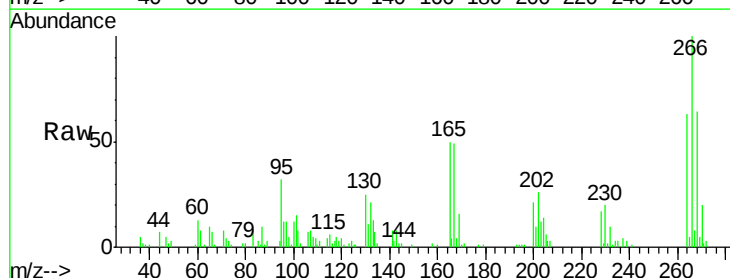
Tgt Ion:266 Resp: 64132

Ion Ratio Lower Upper

266 100

264 63.4 49.3 73.9

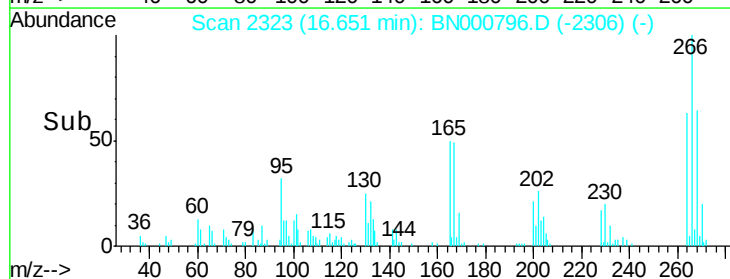
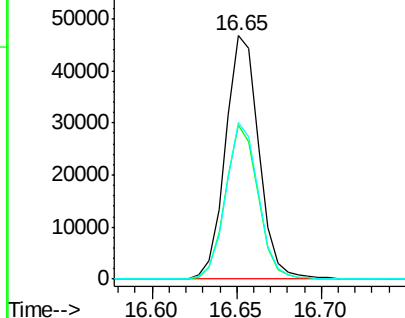
268 64.4 52.6 78.8

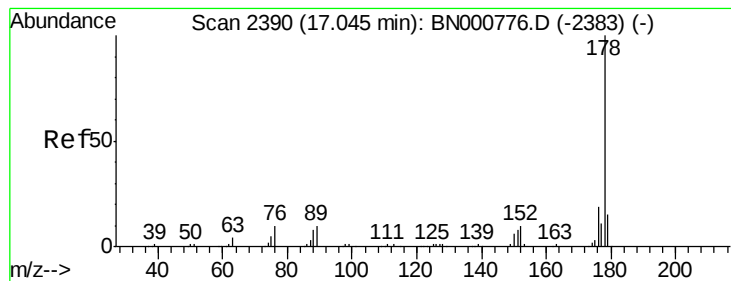


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 21.060 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

Instrument :

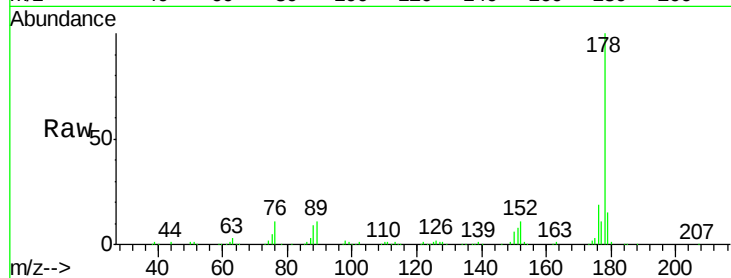
BNA_N

ClientSampleId :

SSTD02057

Tot Ion:178 Resp: 597391

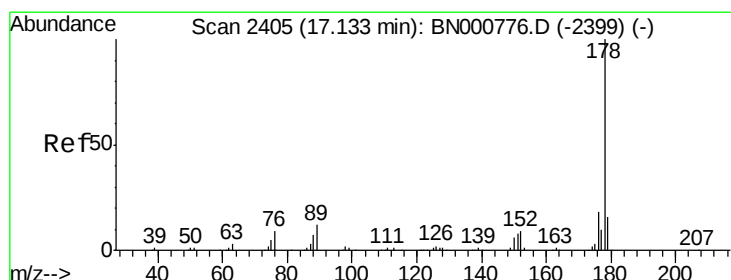
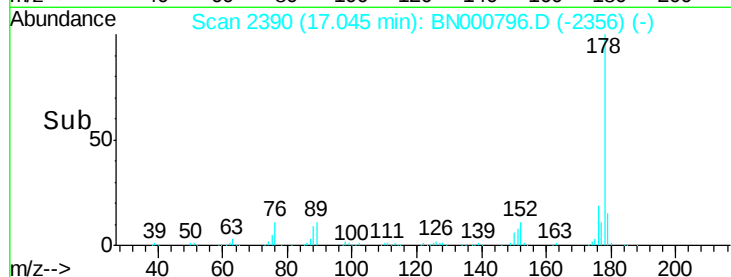
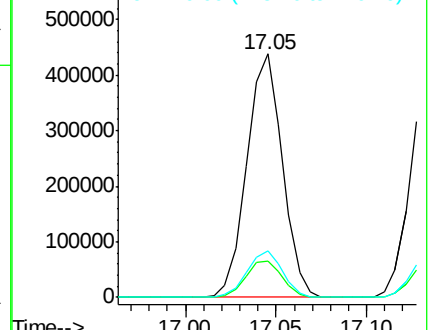
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	19.0
176	19.2	14.9	22.3



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: 21.157 ng/ul

RT: 17.13 min Scan# 2405

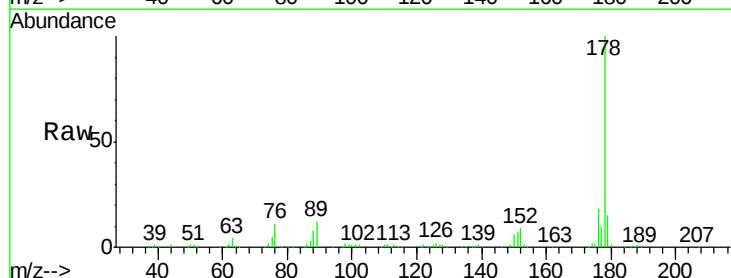
Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

Tgt Ion:178 Resp: 606817

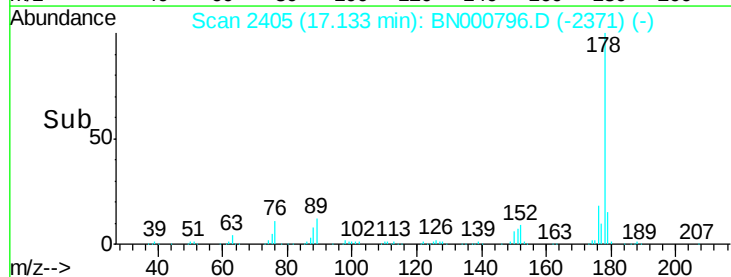
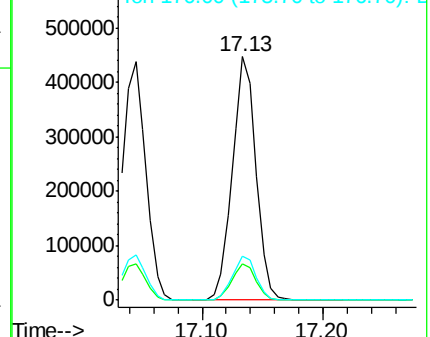
Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	18.2	14.6	21.8

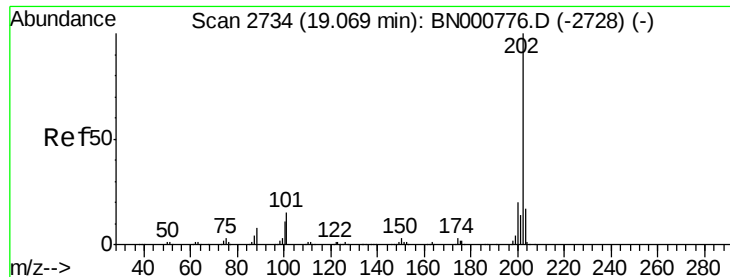


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 22.166 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

Instrument :

BNA_N

ClientSampleId :

SSTD02057

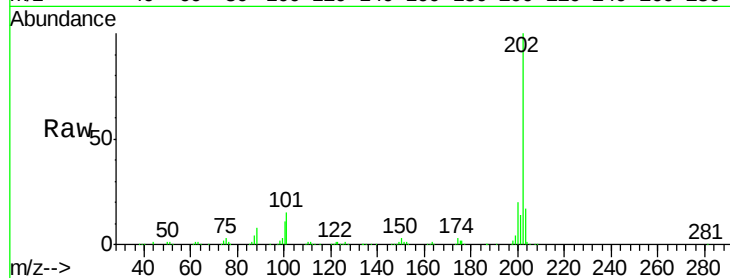
Tot Ion:202 Resp: 618151

Ion Ratio Lower Upper

202 100

101 15.2 4.6 7.0#

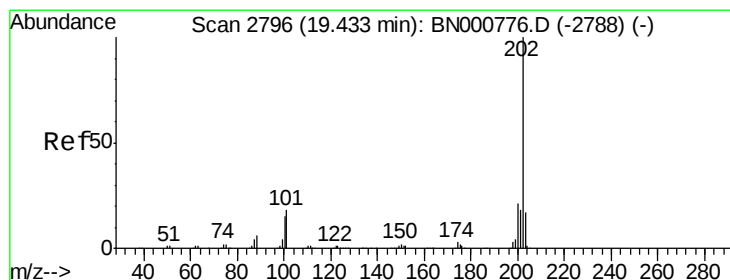
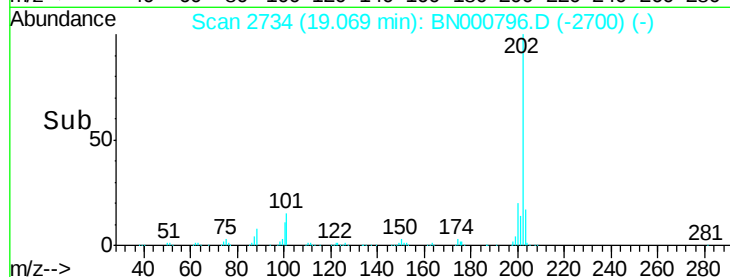
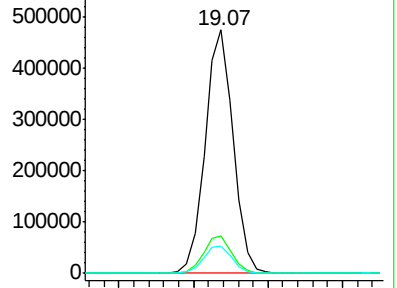
100 11.3 3.4 5.2#



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



#20

Pyrene

Concen: 20.946 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

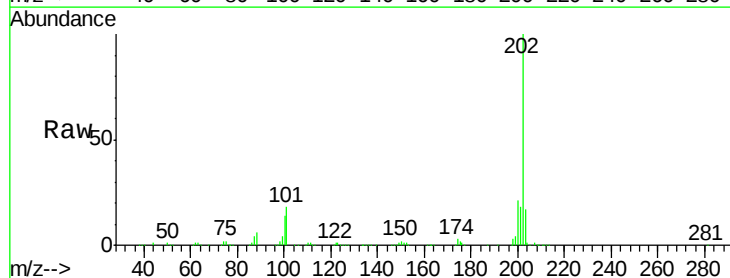
Tgt Ion:202 Resp: 642296

Ion Ratio Lower Upper

202 100

101 18.0 5.1 7.7#

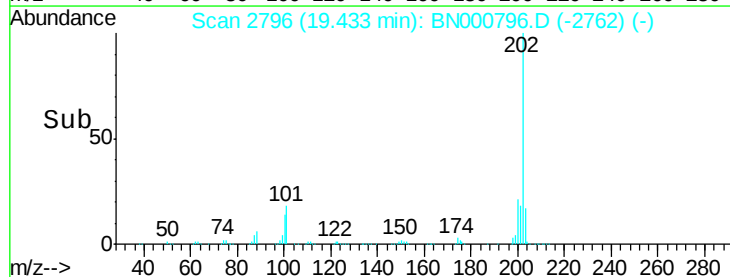
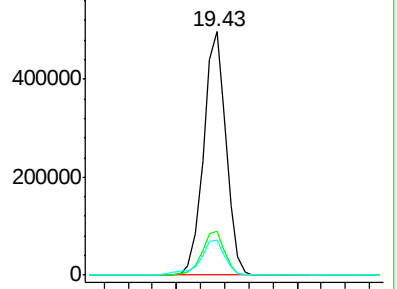
100 14.1 4.9 7.3#

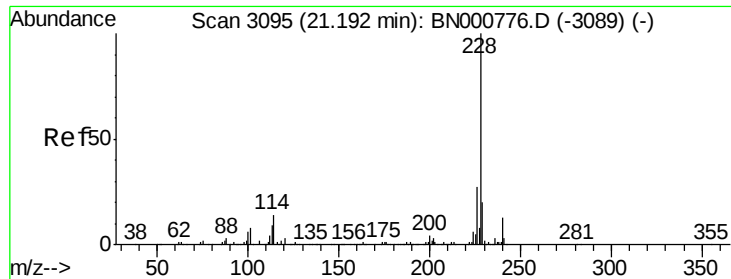


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

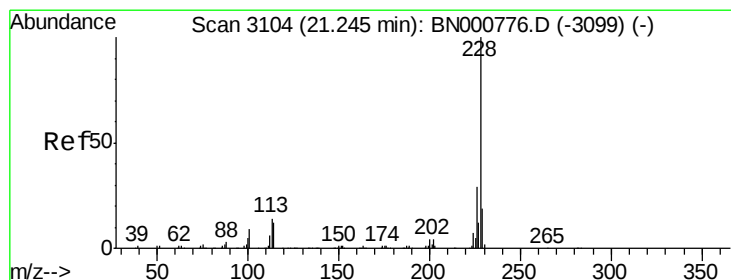
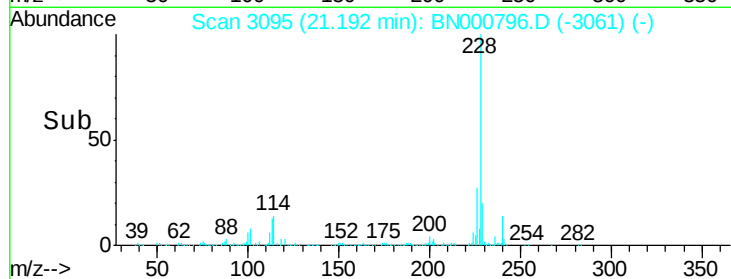
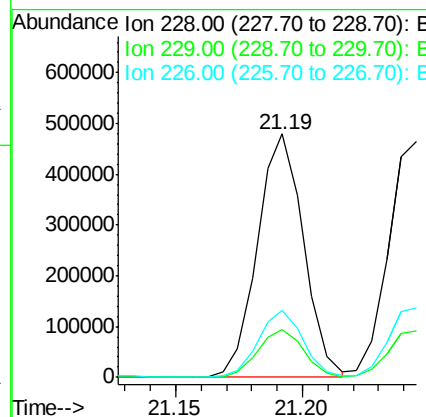
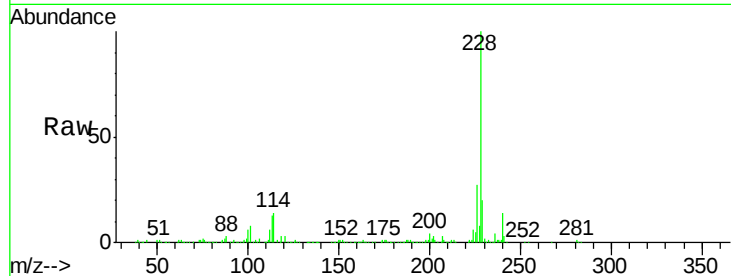




#21
Benzo(a)anthracene
Concen: 21.104 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BN000796.D
Acq: 20 Apr 2018 15:35

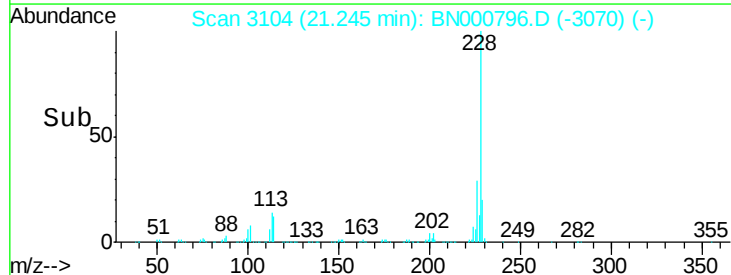
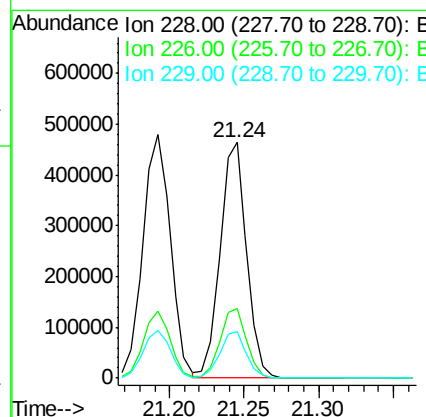
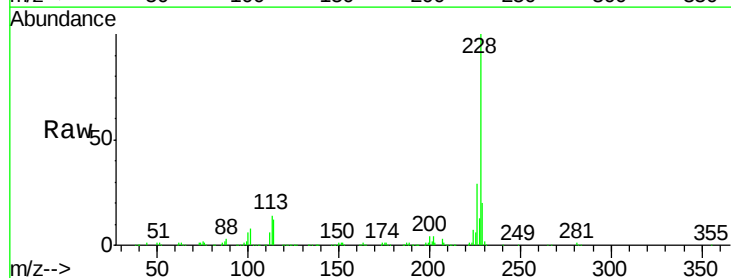
Instrument :
BNA_N
ClientSampleId :
SSTD02057

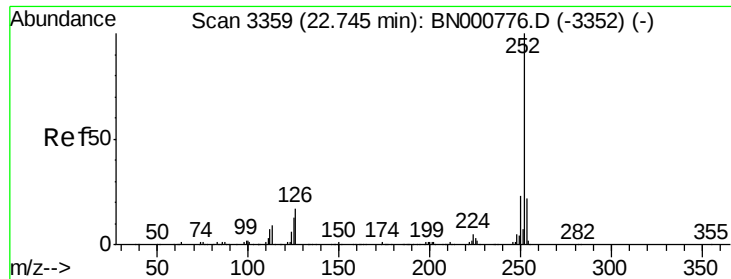
Tot Ion:228 Resp: 608972
Ion Ratio Lower Upper
228 100
229 19.7 15.4 23.0
226 27.3 21.4 32.0



#22
Chrysene
Concen: 21.079 ng/ul
RT: 21.24 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BN000796.D
Acq: 20 Apr 2018 15:35

Tgt Ion:228 Resp: 575267
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 19.6 15.5 23.3





#24

Benzo(b)fluoranthene

Concen: 21.466 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

Instrument :

BNA_N

ClientSampleId :

SSTD02057

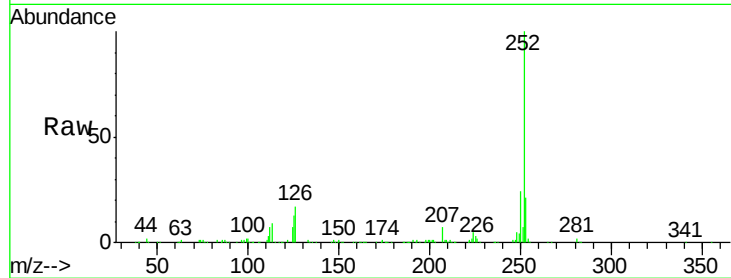
Tot Ion:252 Resp: 610488

Ion Ratio Lower Upper

252 100

253 21.2 17.9 26.9

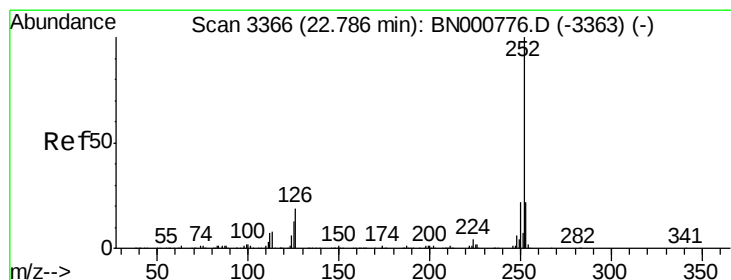
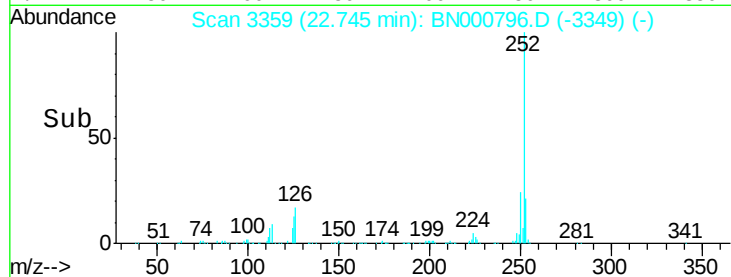
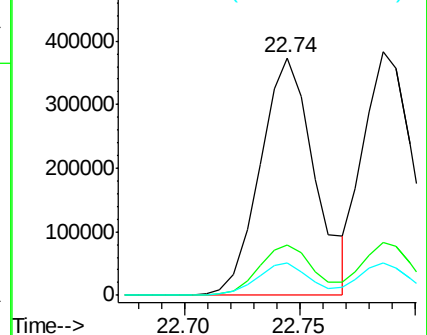
125 13.4 3.6 5.4#



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: 20.695 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.00 min

Lab File: BN000796.D

Acq: 20 Apr 2018 15:35

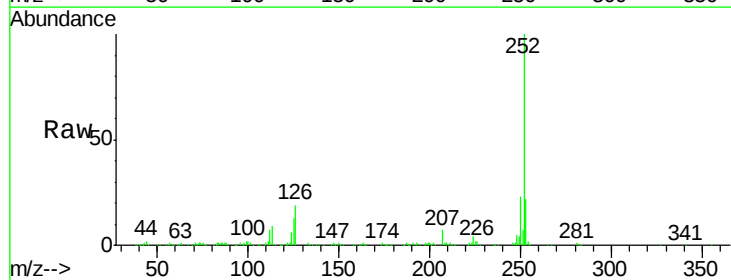
Tgt Ion:252 Resp: 568087

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

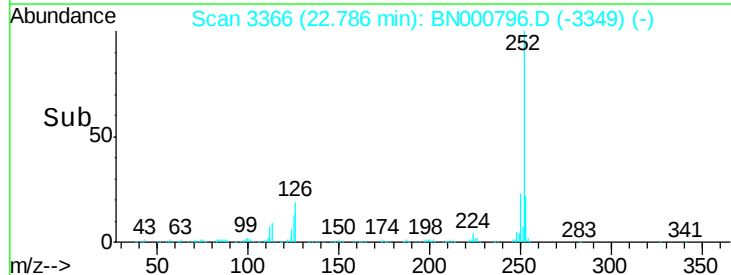
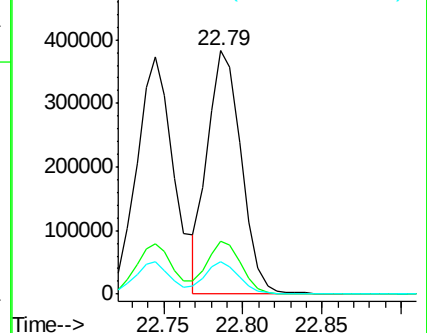
125 13.2 3.4 5.2#

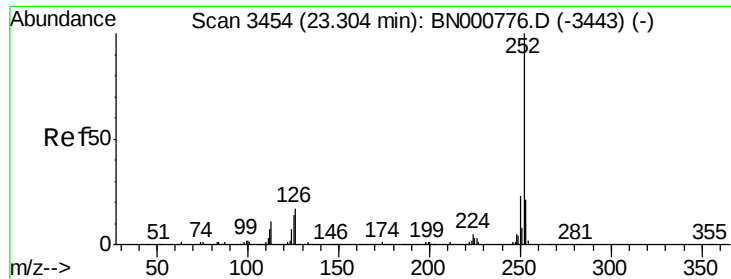


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

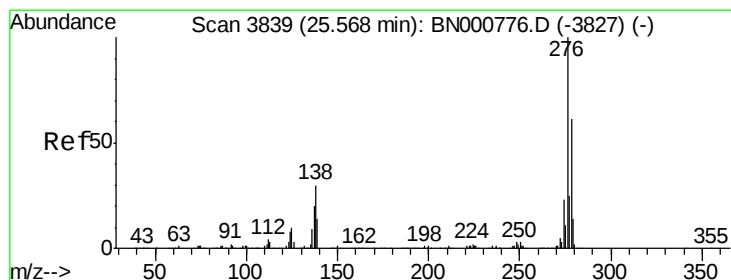
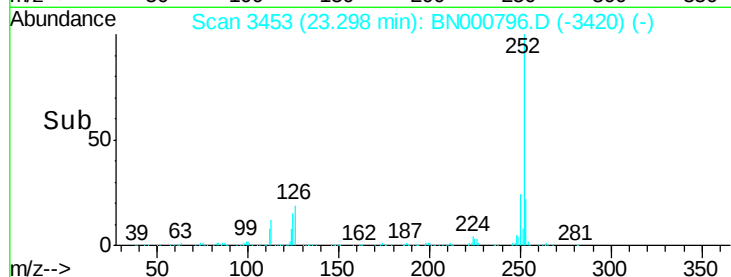
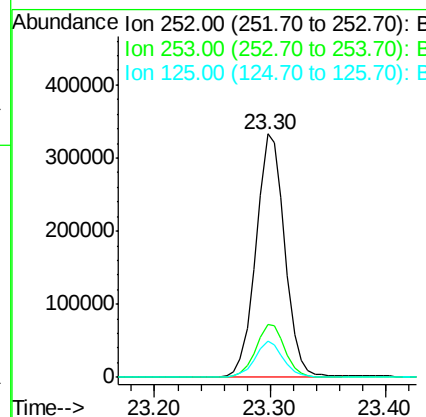
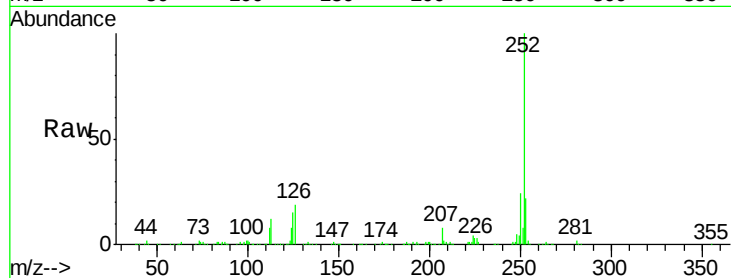




#27
Benzo(a)pyrene
Concen: 21.347 ng/ul
RT: 23.30 min Scan# 3453
Delta R.T. -0.01 min
Lab File: BN000796.D
Acq: 20 Apr 2018 15:35

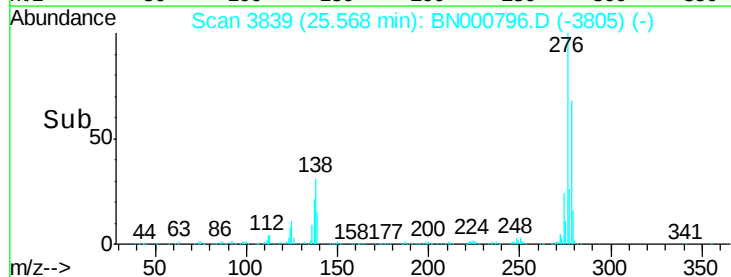
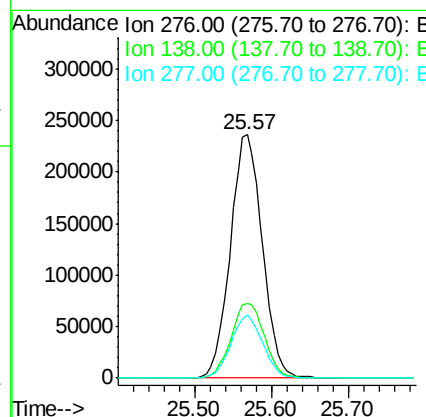
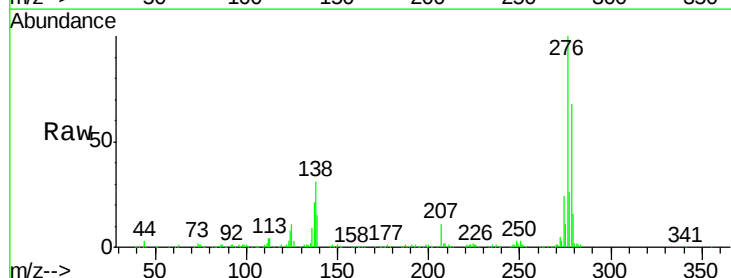
Instrument :
BNA_N
ClientSampleId :
SSTD02057

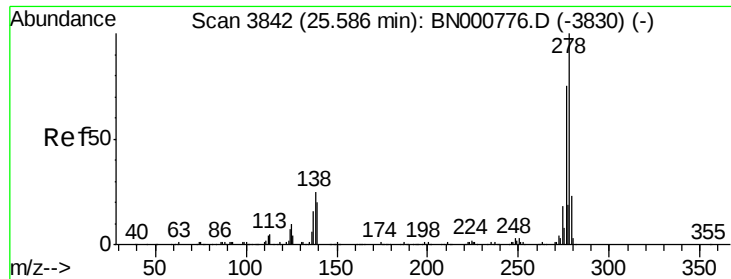
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	14.6	4.0	6.0#



#28
Indeno(1,2,3-cd)pyrene
Concen: 22.542 ng/ul
RT: 25.57 min Scan# 3839
Delta R.T. -0.00 min
Lab File: BN000796.D
Acq: 20 Apr 2018 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	9.3	13.9#
277	25.7	19.9	29.9

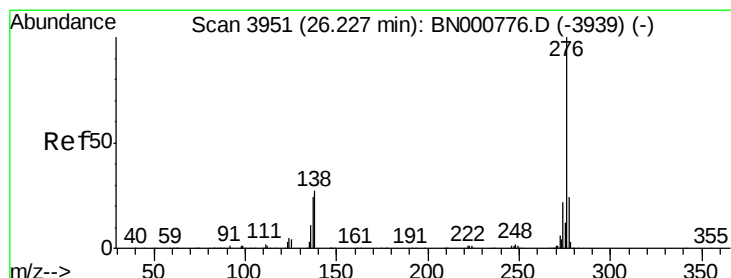
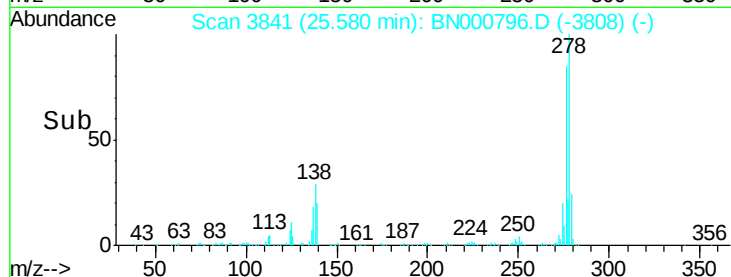
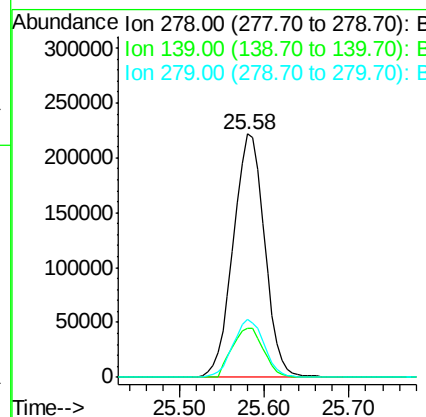
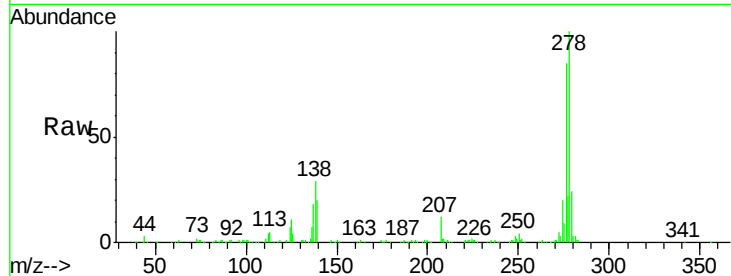




#29
Dibenzo(a,h)anthracene
Concen: 22.479 ng/u1
RT: 25.58 min Scan# 3841
Delta R.T. -0.01 min
Lab File: BN000796.D
Acq: 20 Apr 2018 15:35

Instrument :
BNA_N
ClientSampleId :
SSTD02057

Tot Ion:278 Resp: 571369
Ion Ratio Lower Upper
278 100
139 20.3 5.8 8.8#
279 23.7 18.6 27.8



#30
Benzo(g,h,i)perylene
Concen: 22.474 ng/u1
RT: 26.23 min Scan# 3951
Delta R.T. -0.00 min
Lab File: BN000796.D
Acq: 20 Apr 2018 15:35

Tgt Ion:276 Resp: 565609
Ion Ratio Lower Upper
276 100
138 27.3 8.5 12.7#
277 23.4 18.6 28.0

