

Data Path : Z:\HPCHEM1\BNA N\DATA\BN041918\
 Data File : BN000794.D
 Acq On : 20 Apr 2018 02:22
 Operator : JU/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 20 05:11:26 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN041918-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 05:09:09 2018
 Response via : Initial Calibration

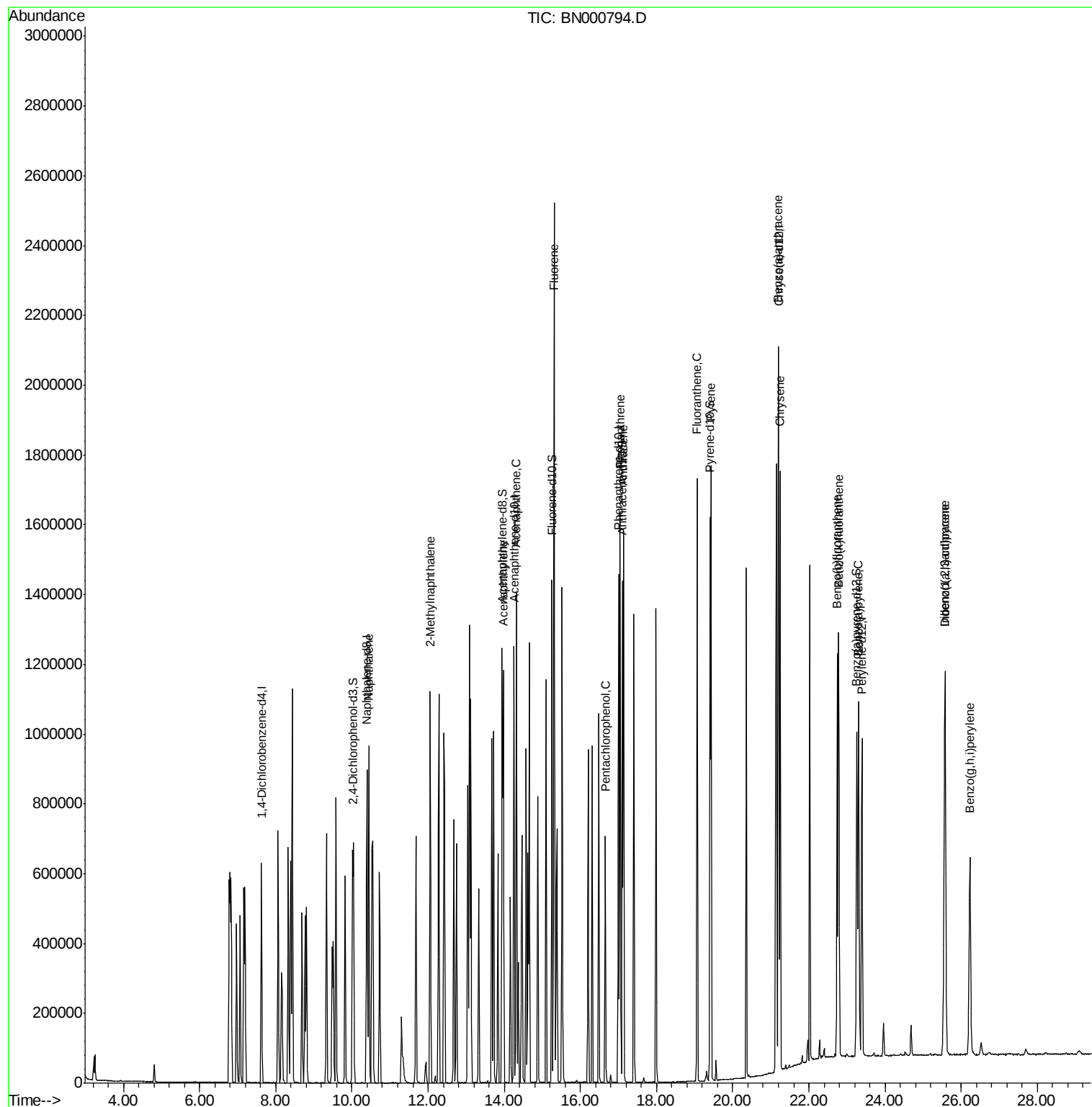
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	162226	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	715988	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	385125	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	782900	20.00	ng/ul	0.00
18) Chrysene-d12	21.21	240	651817	20.00	ng/ul	0.00
23) Perylene-d12	23.40	264	570687	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.02	165	220985	21.69	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	795152	21.45	ng/ul	0.00
10) Fluorene-d10	15.25	176	530576	21.36	ng/ul	0.00
15) Anthracene-d10	17.10	188	761847	21.05	ng/ul	0.00
19) Pyrene-d10	19.40	212	757498	23.09	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.26	264	573481	21.31	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.44	128	755084	20.831	ng/ul	99
5) 2-Methylnaphthalene	12.06	142	515651	21.189	ng/ul	96
8) Acenaphthylene	13.97	152	784149	21.352	ng/ul	99
9) Acenaphthene	14.32	153	531751	20.967	ng/ul	100
11) Fluorene	15.31	166	577674	21.232	ng/ul	99
13) Pentachlorophenol	16.65	266	102734	21.716	ng/ul	98
14) Phenanthrene	17.04	178	889288	20.791	ng/ul	99
16) Anthracene	17.13	178	906812	20.967	ng/ul	99
17) Fluoranthene	19.07	202	932559	22.177	ng/ul#	76
20) Pyrene	19.43	202	943359	22.860	ng/ul#	71
21) Benzo(a)anthracene	21.19	228	825089	21.247	ng/ul	99
22) Chrysene	21.24	228	765429	20.841	ng/ul	99
24) Benzo(b)fluoranthene	22.74	252	730145	22.120	ng/ul#	95
25) Benzo(k)fluoranthene	22.79	252	681180	21.380	ng/ul#	94
27) Benzo(a)pyrene	23.30	252	670638	21.231	ng/ul#	92
28) Indeno(1,2,3-cd)pyrene	25.57	276	719635	20.400	ng/ul#	84
29) Dibenzo(a,h)anthracene	25.58	278	599397	20.317	ng/ul#	89
30) Benzo(g,h,i)perylene	26.23	276	596762	20.430	ng/ul#	86

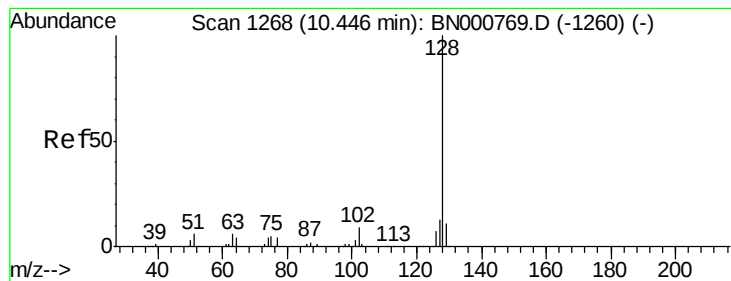
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Naphthalene

Concen: 20.831 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Instrument :

BNA_N

ClientSampleId :

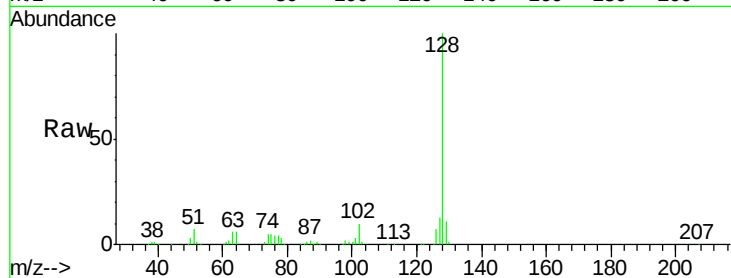
Tot Ion:128 Resp: 755084

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

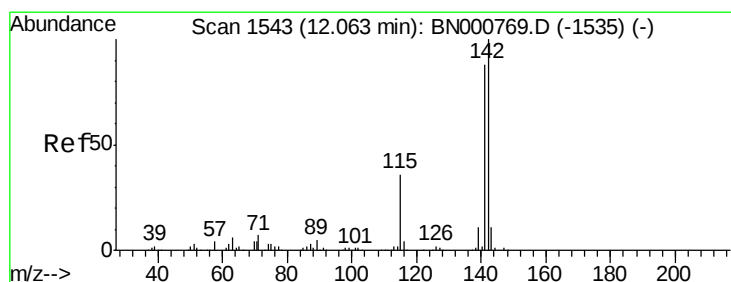
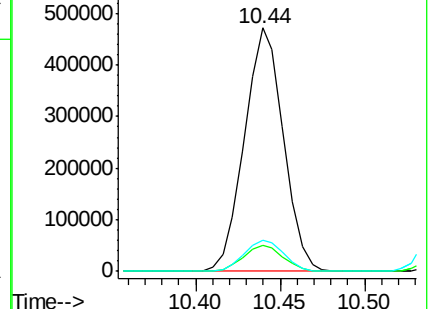
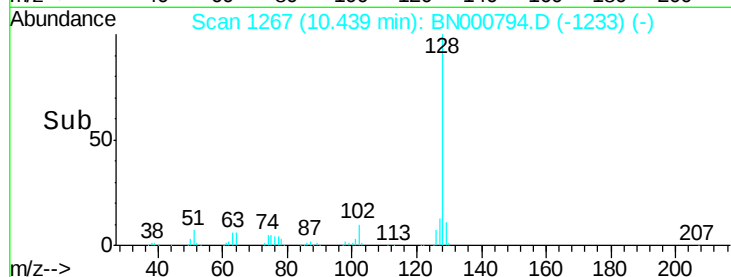
127 12.9 10.6 16.0



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: 21.189 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BN000794.D

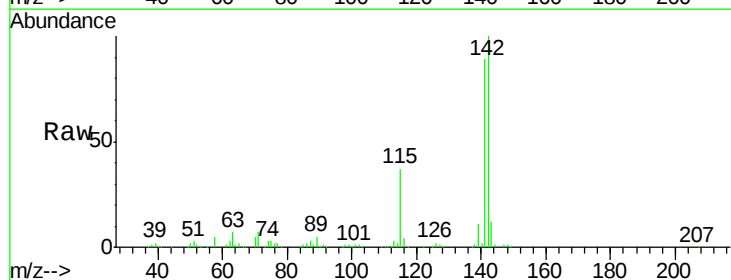
Acq: 20 Apr 2018 02:22

Tgt Ion:142 Resp: 515651

Ion Ratio Lower Upper

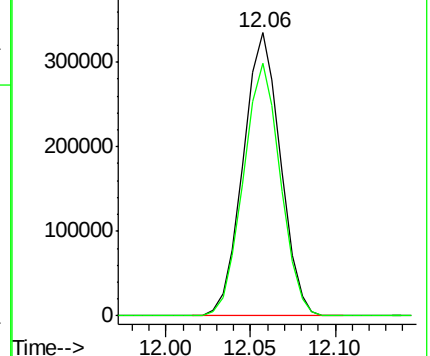
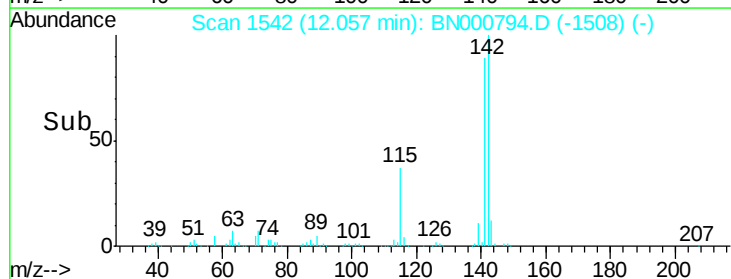
142 100

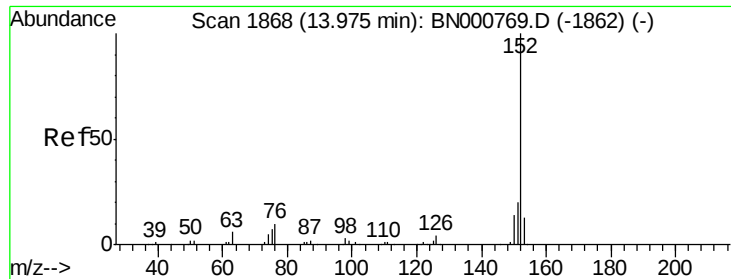
141 89.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.352 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

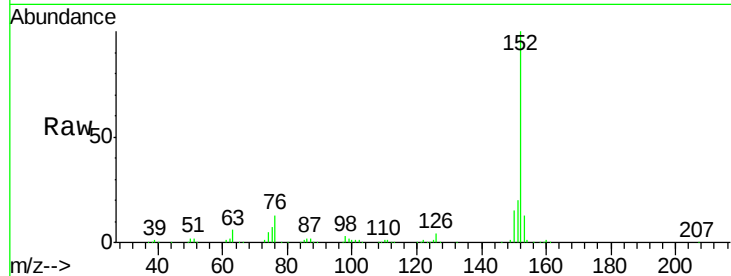
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 784149

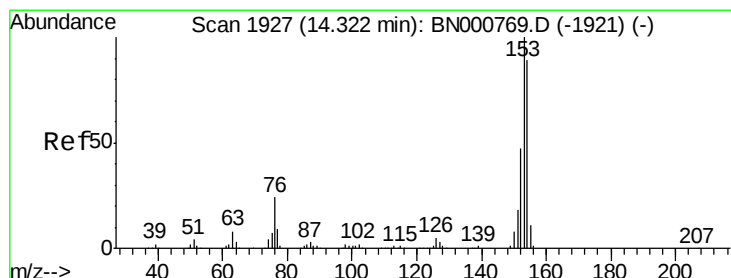
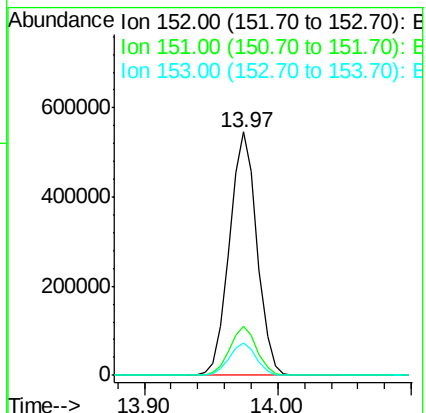
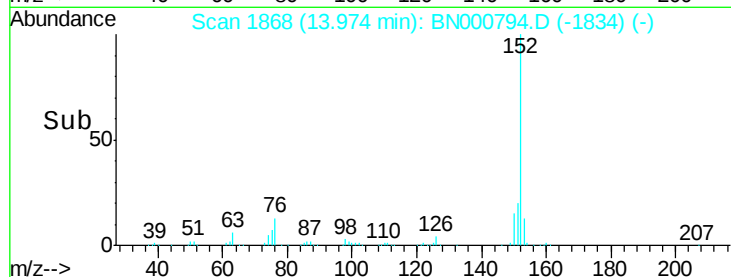
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.1	10.2	15.4



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: 20.967 ng/ul

RT: 14.32 min Scan# 1927

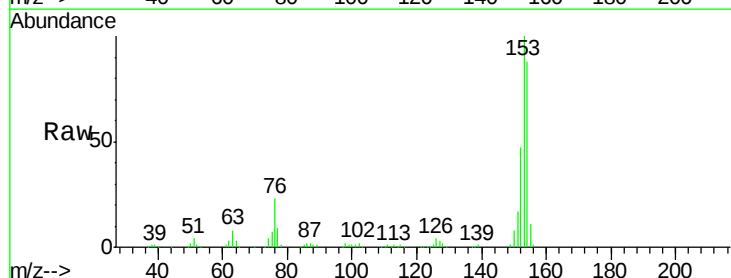
Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Tgt Ion:153 Resp: 531751

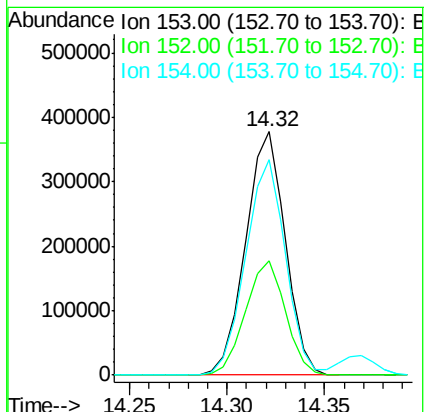
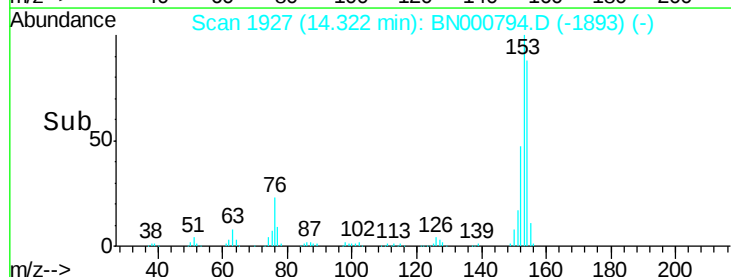
Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.6	56.4
154	88.4	70.4	105.6

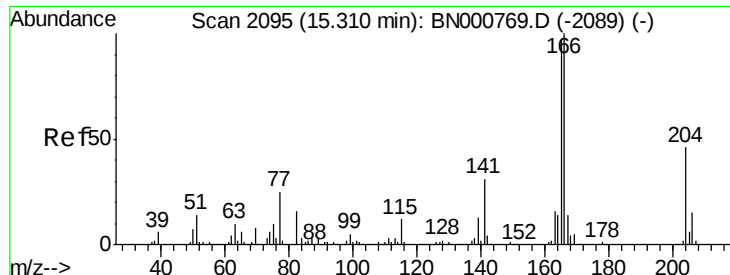


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 21.232 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Instrument :

BNA_N

ClientSampled :

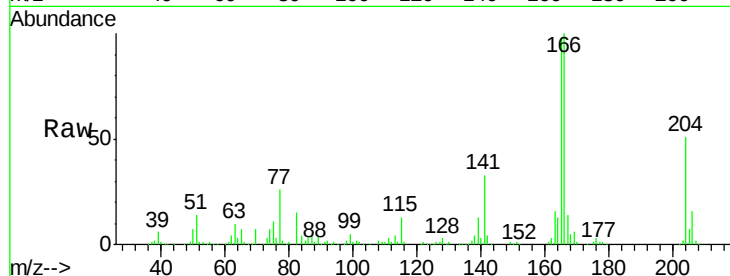
Tot Ion:166 Resp: 577674

Ion Ratio Lower Upper

166 100

165 97.9 77.9 116.9

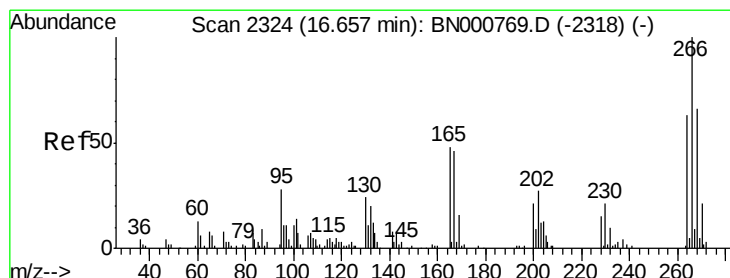
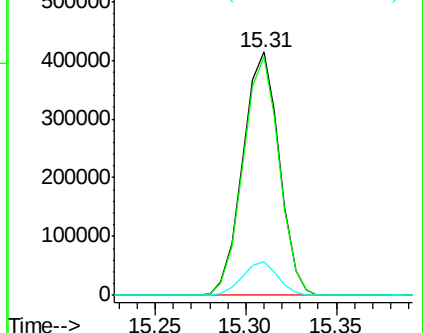
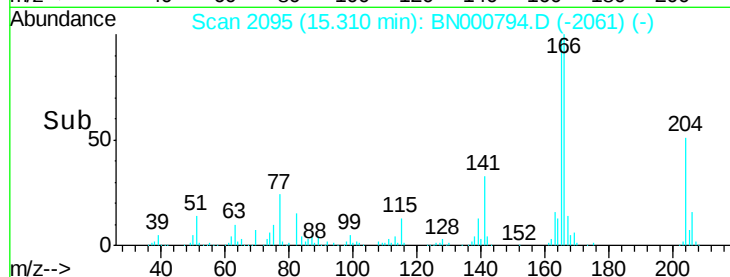
167 13.8 10.6 16.0



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: 21.716 ng/ul

RT: 16.65 min Scan# 2323

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

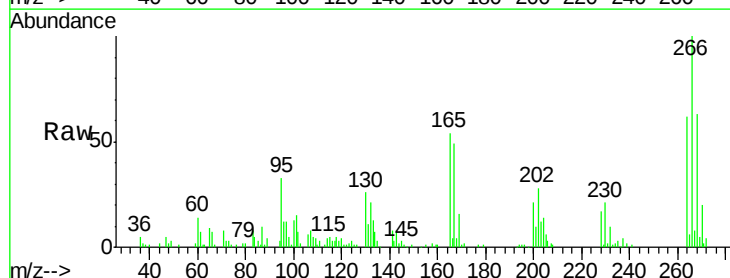
Tgt Ion:266 Resp: 102734

Ion Ratio Lower Upper

266 100

264 61.6 49.3 73.9

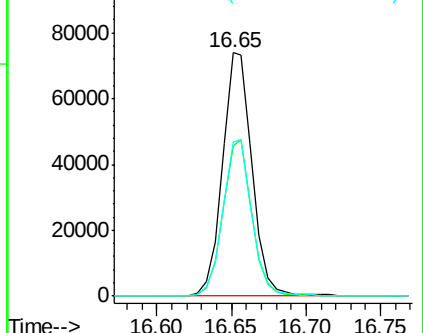
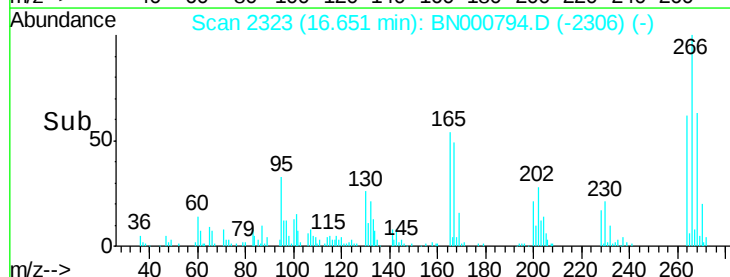
268 63.3 52.6 78.8

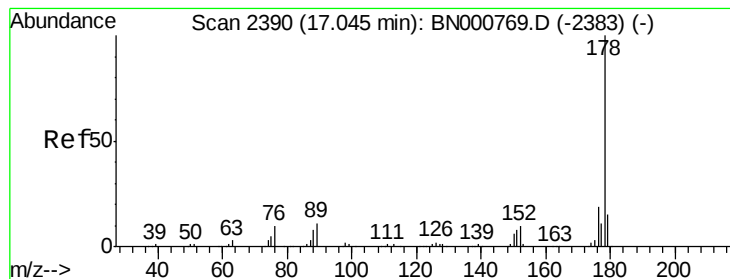


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.791 ng/ul

RT: 17.04 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Instrument :

BNA_N

ClientSampleId :

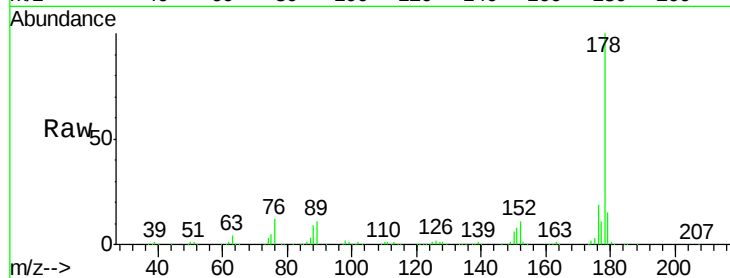
Tot Ion:178 Resp: 889288

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

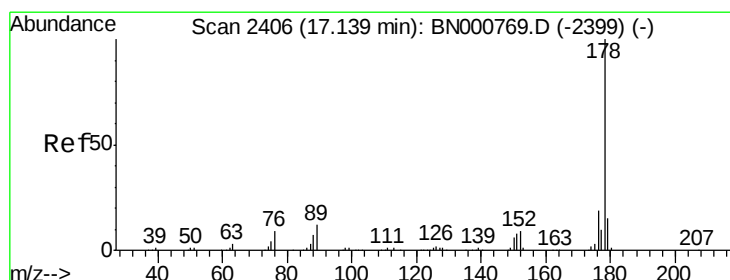
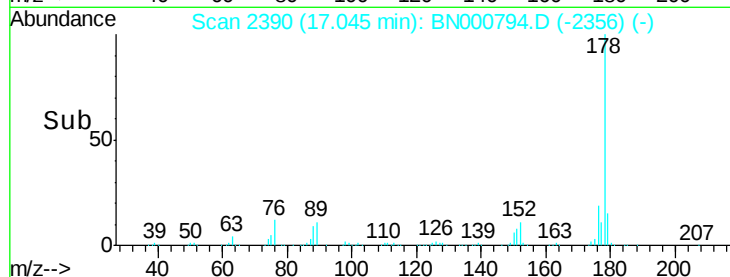
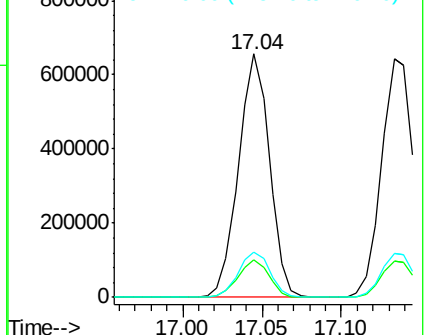
176 18.8 14.9 22.3



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: 20.967 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

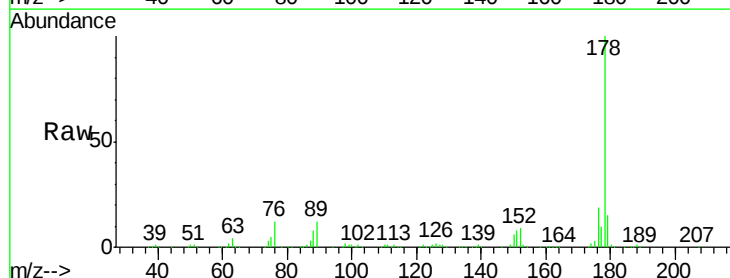
Tgt Ion:178 Resp: 906812

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

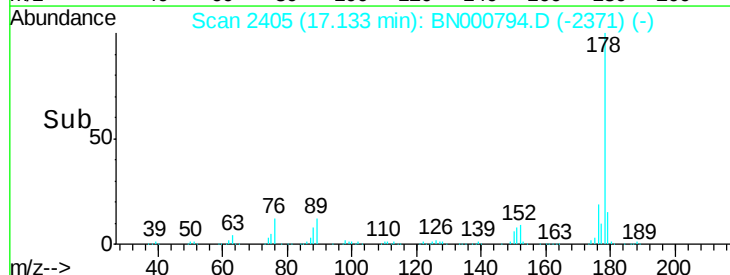
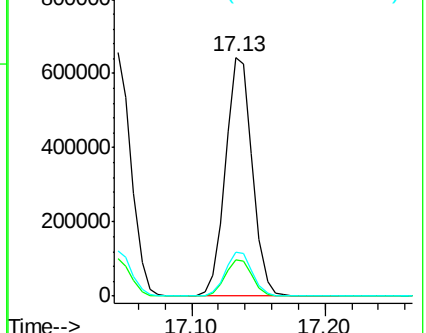
176 18.5 14.6 21.8

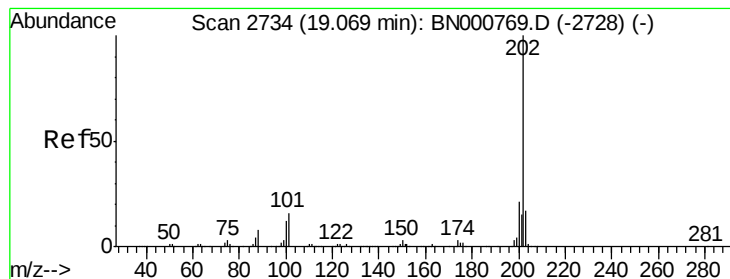


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 22.177 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Instrument :

BNA_N

ClientSampleId :

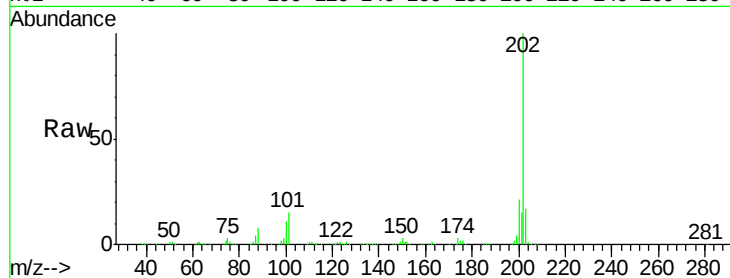
Tot Ion:202 Resp: 932559

Ion Ratio Lower Upper

202 100

101 14.8 4.6 7.0#

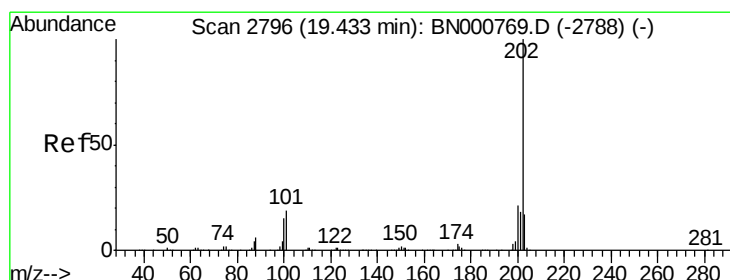
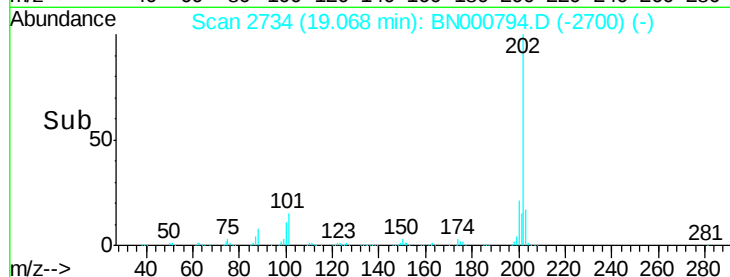
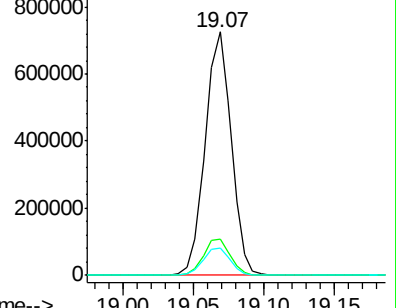
100 11.3 3.4 5.2#



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: 22.860 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

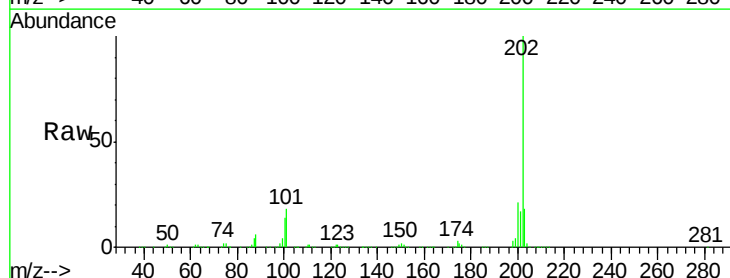
Tgt Ion:202 Resp: 943359

Ion Ratio Lower Upper

202 100

101 17.7 5.1 7.7#

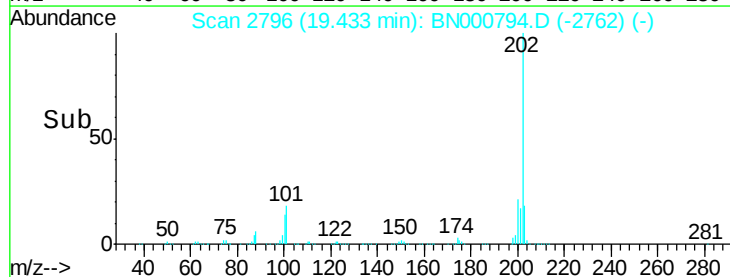
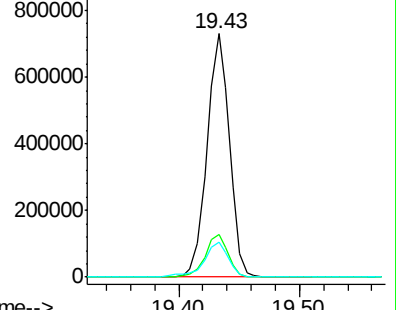
100 14.4 4.9 7.3#

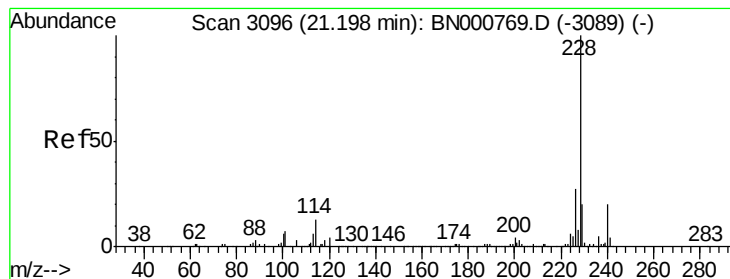


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 21.247 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Instrument :

BNA_N

ClientSampleId :

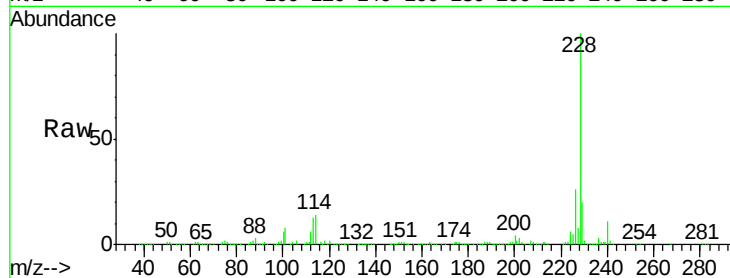
Tot Ion:228 Resp: 825089

Ion Ratio Lower Upper

228 100

229 19.7 15.4 23.0

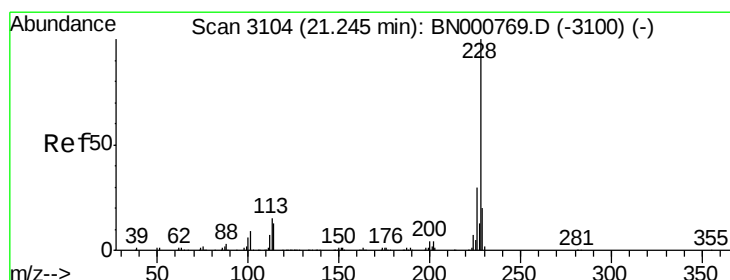
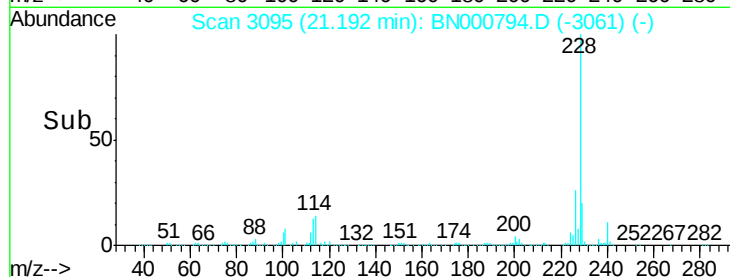
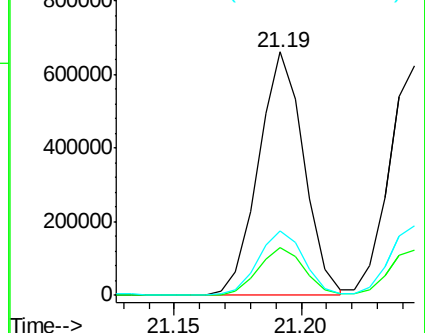
226 26.5 21.4 32.0



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



#22

Chrysene

Concen: 20.841 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

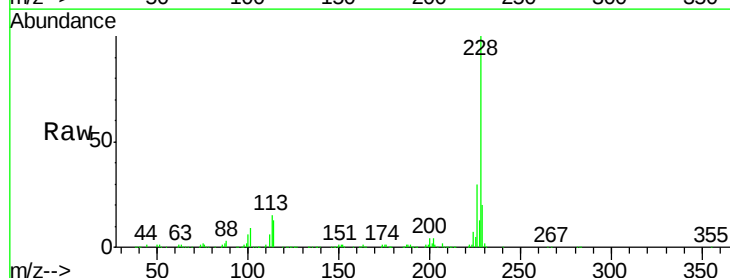
Tgt Ion:228 Resp: 765429

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

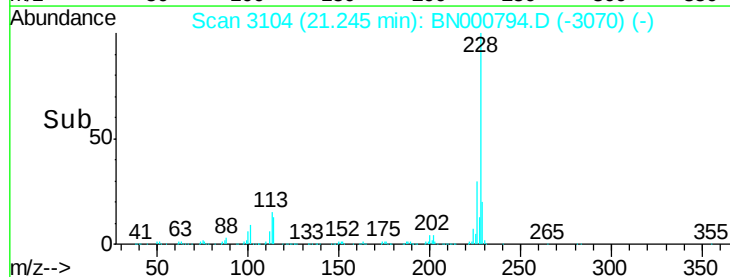
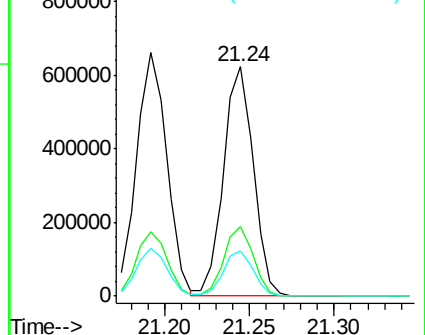
229 19.8 15.5 23.3

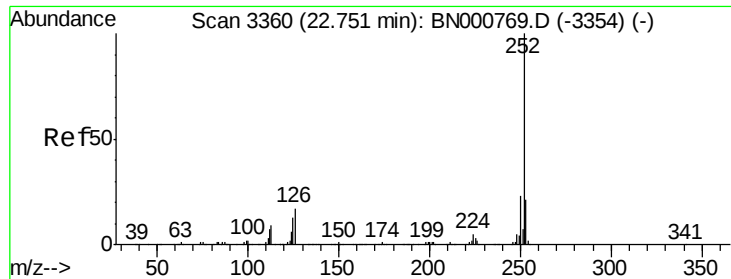


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 22.120 ng/u1

RT: 22.74 min Scan# 3359

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Instrument :

BNA_N

ClientSampled :

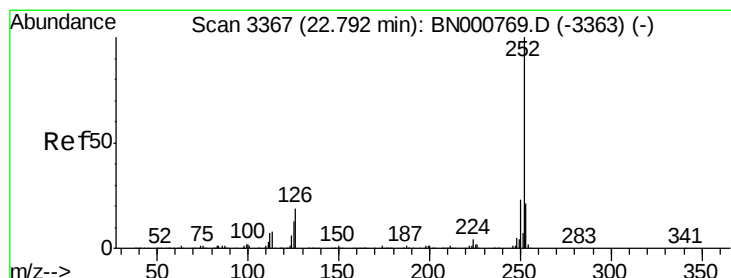
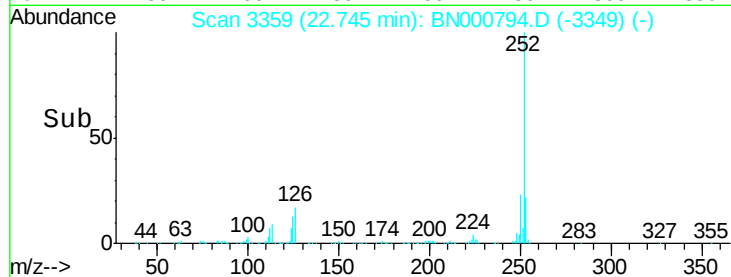
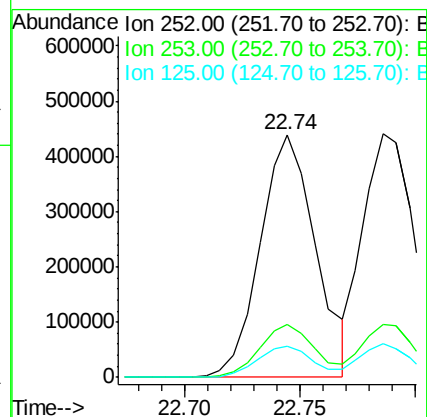
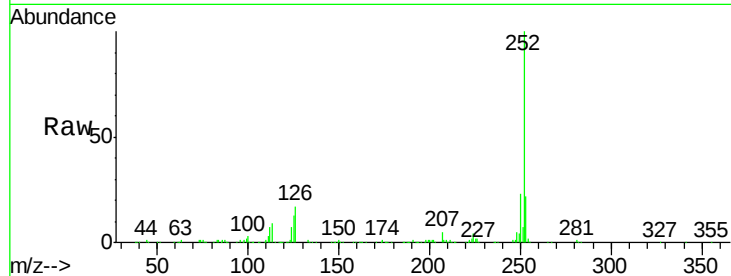
Tot Ion:252 Resp: 730145

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 12.6 3.6 5.4#



#25

Benzo(k)fluoranthene

Concen: 21.380 ng/u1

RT: 22.79 min Scan# 3366

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

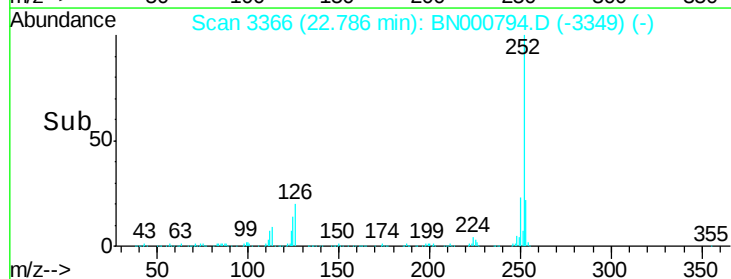
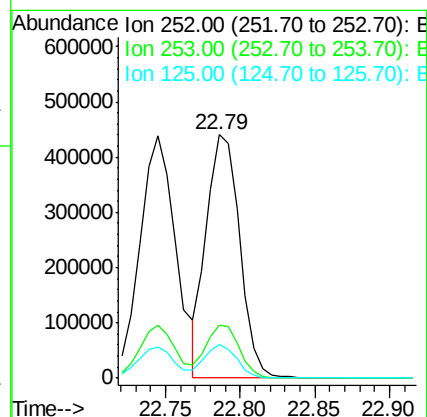
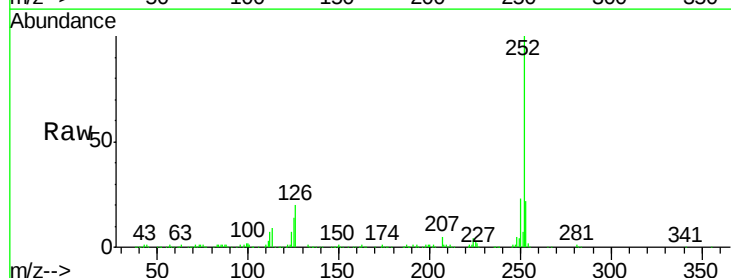
Tgt Ion:252 Resp: 681180

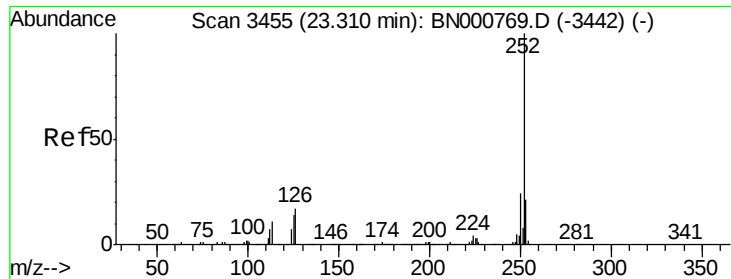
Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 13.9 3.4 5.2#

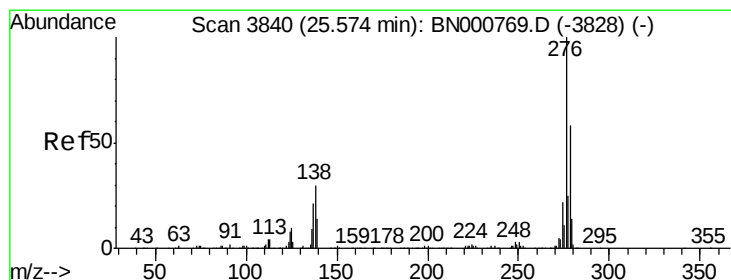
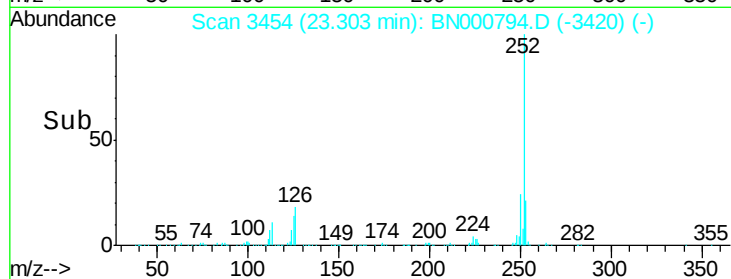
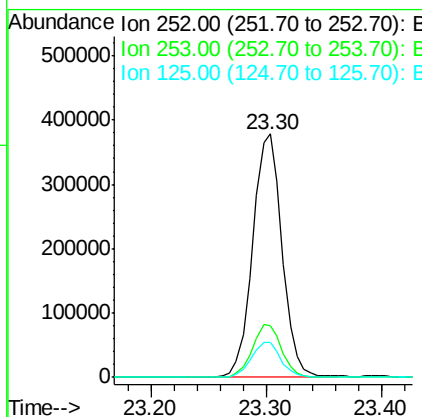
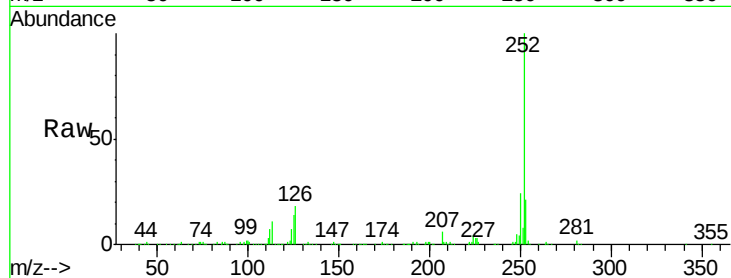




#27
Benzo(a)pyrene
Concen: 21.231 ng/u1
RT: 23.30 min Scan# 3454
Delta R.T. -0.00 min
Lab File: BN000794.D
Acq: 20 Apr 2018 02:22

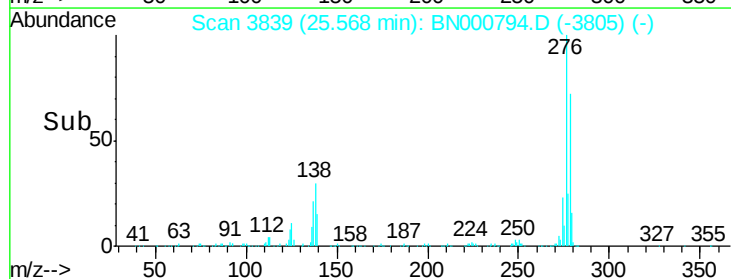
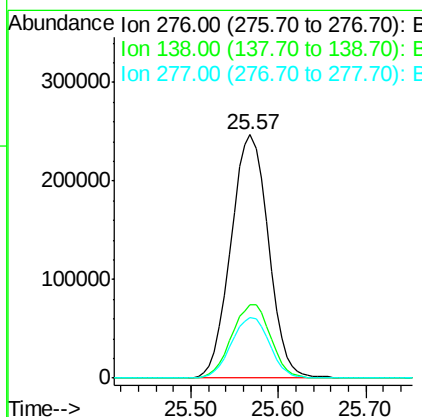
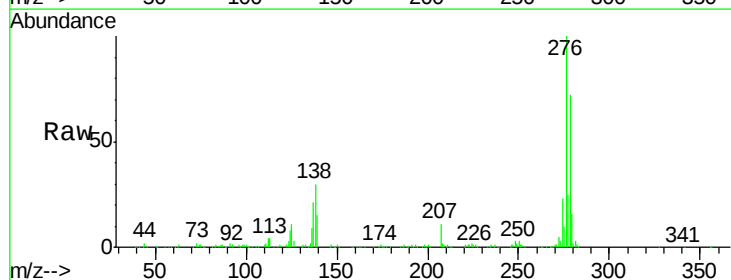
Instrument :
BNA_N
ClientSampleId :

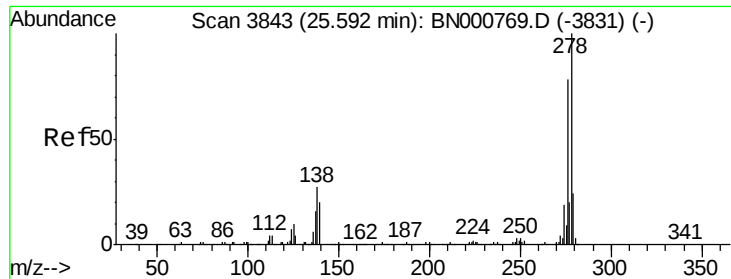
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.2
125	14.1	4.0	6.0



#28
Indeno(1,2,3-cd)pyrene
Concen: 20.400 ng/u1
RT: 25.57 min Scan# 3839
Delta R.T. -0.00 min
Lab File: BN000794.D
Acq: 20 Apr 2018 02:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.2	9.3	13.9
277	24.8	19.9	29.9





#29

Dibenzo(a,h)anthracene

Concen: 20.317 ng/ul

RT: 25.58 min Scan# 3841

Delta R.T. -0.01 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

Instrument :

BNA_N

ClientSampleId :

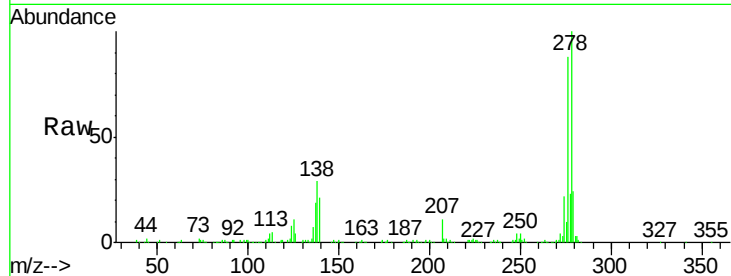
Tot Ion:278 Resp: 599397

Ion Ratio Lower Upper

278 100

139 21.1 5.8 8.8#

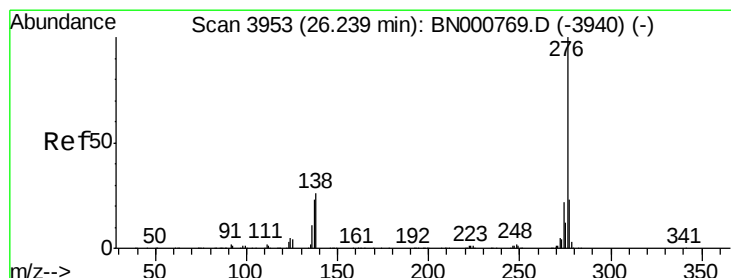
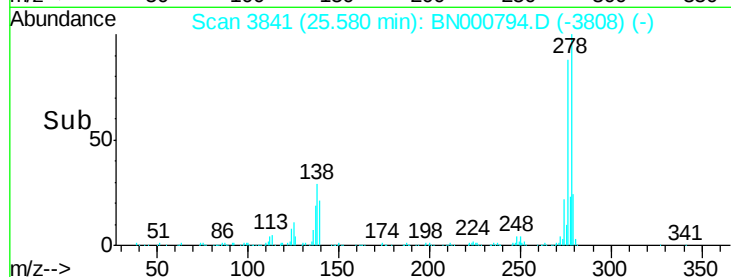
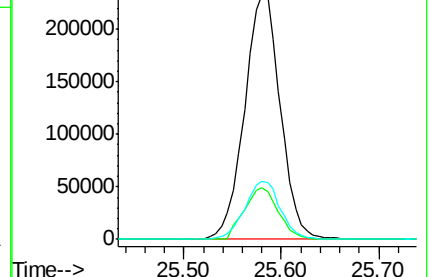
279 24.0 18.6 27.8



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: 20.430 ng/ul

RT: 26.23 min Scan# 3951

Delta R.T. -0.00 min

Lab File: BN000794.D

Acq: 20 Apr 2018 02:22

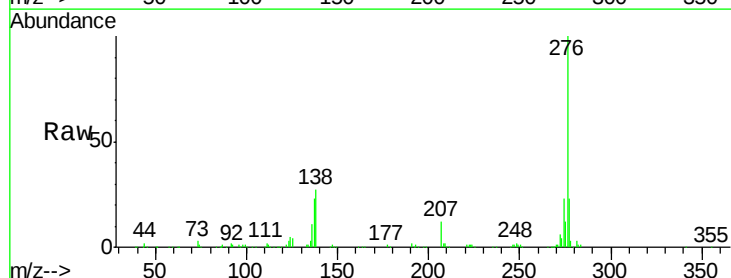
Tgt Ion:276 Resp: 596762

Ion Ratio Lower Upper

276 100

138 26.8 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

