

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\
 Data File : BN000956.D
 Acq On : 27 Apr 2018 05:12
 Operator : JU/SJ
 Sample : J2526-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 27 09:26:24 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 27 09:25:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	166266	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	686713	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	319085	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	562936	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	507076	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	546037	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	13.95	160	1106887	36.12	ng/ul	0.00
10) Fluorene-d10	15.26	176	737259	36.04	ng/ul	0.00
14) Anthracene-d10	17.10	188	991216	38.50	ng/ul	0.00
18) Pyrene-d10	19.41	212	988630	38.05	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	1086549	42.12	ng/ul	0.00

Target Compounds

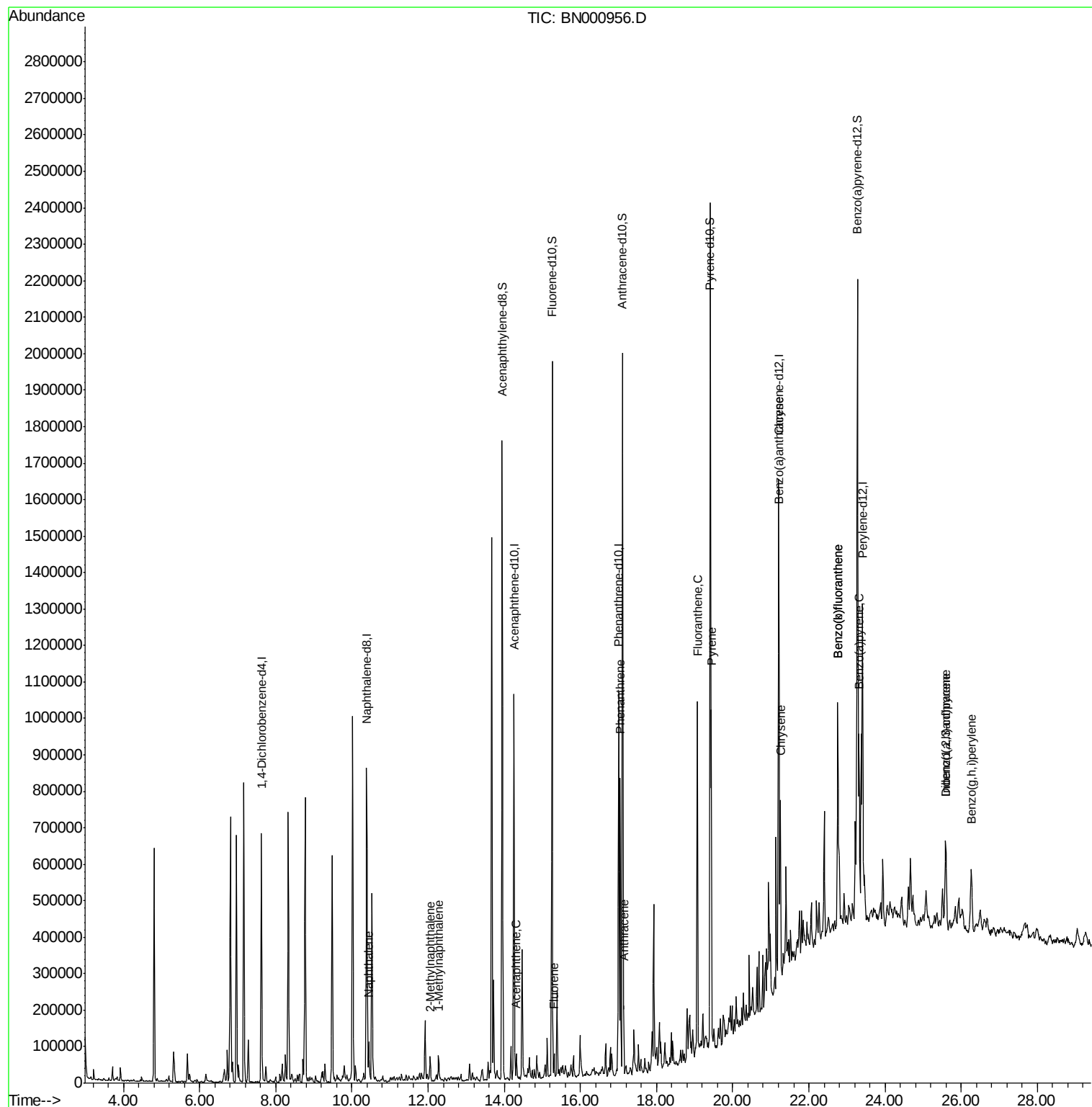
					Ovalue	
3) Naphthalene	10.44	128	64262	1.857	ng/ul	99
4) 2-Methylnaphthalene	12.06	142	31434	1.361	ng/ul	99
5) 1-Methylnaphthalene	12.27	142	28383	1.253	ng/ul	95
9) Acenaphthene	14.32	153	27031	1.290	ng/ul	98
11) Fluorene	15.31	166	24417	1.095	ng/ul	93
13) Phenanthrene	17.05	178	438453	14.281	ng/ul	100
15) Anthracene	17.14	178	100427	3.261	ng/ul	99
16) Fluoranthene	19.07	202	548283	17.601	ng/ul	96
19) Pyrene	19.44	202	461424	14.167	ng/ul#	92
20) Benzo(a)anthracene	21.20	228	273195	9.013	ng/ul	97
21) Chrysene	21.25	228	259211	9.098	ng/ul	98
23) Benzo(b)fluoranthene	22.76	252	489836	15.785	ng/ul#	95
24) Benzo(k)fluoranthene	22.76	252	497848	16.395	ng/ul#	96
26) Benzo(a)pyrene	23.32	252	253722	8.555	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.59	276	192723	5.380	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.60	278	55507	1.859	ng/ul#	77
29) Benzo(g,h,i)perylene	26.26	276	181257	6.050	ng/ul#	91

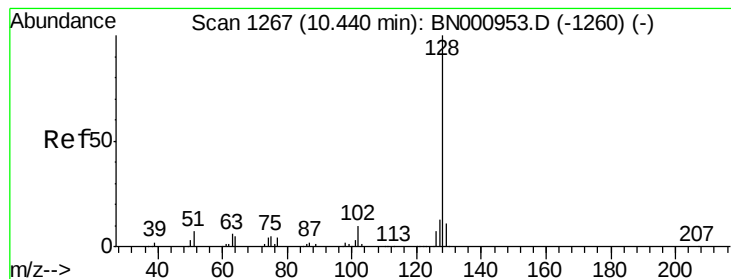
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 27 09:25:35 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.857 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

Instrument :

BNA_N

ClientSampled :

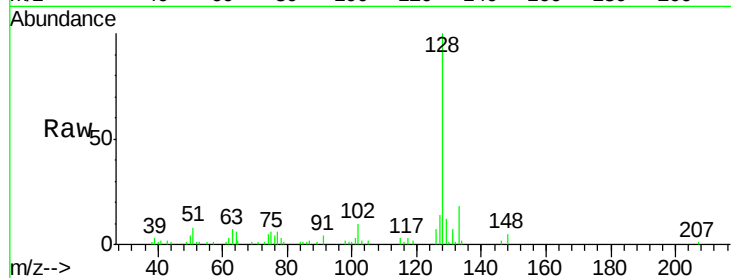
Tot Ion:128 Resp: 64262

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

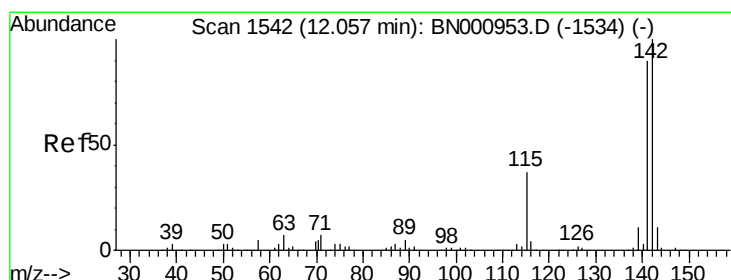
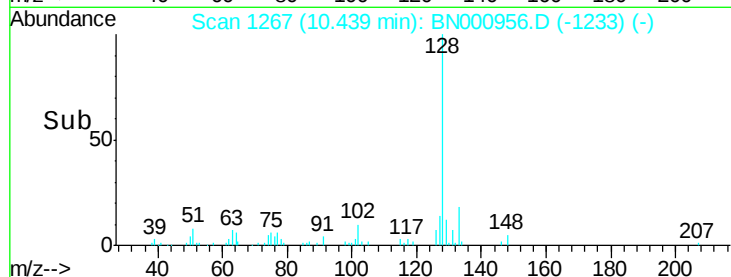
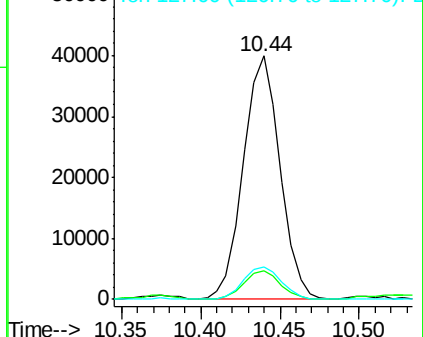
127 13.5 10.6 16.0



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: 1.361 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BN000956.D

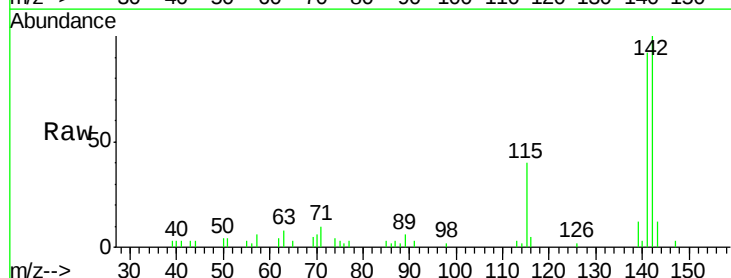
Acq: 27 Apr 2018 05:12

Tgt Ion:142 Resp: 31434

Ion Ratio Lower Upper

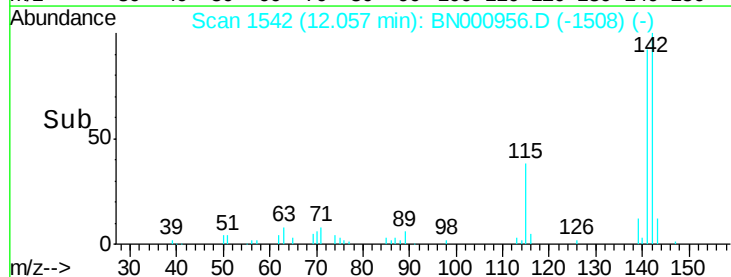
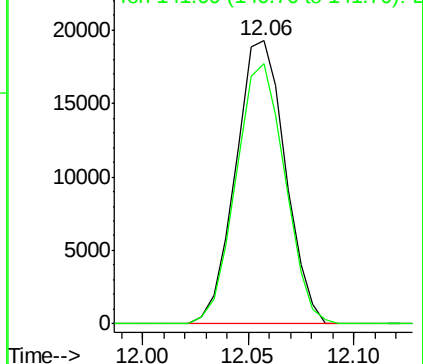
142 100

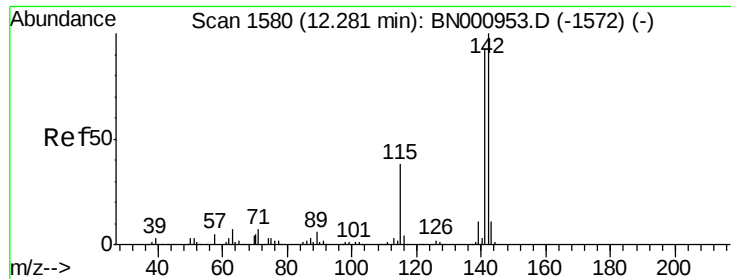
141 92.2 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.253 ng/ul

RT: 12.27 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

Instrument :

BNA_N

ClientSampled :

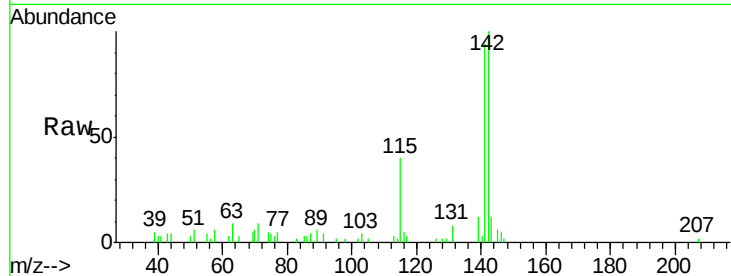
Tot Ion:142 Resp: 28383

Ion Ratio Lower Upper

142 100

141 93.9 79.3 118.9

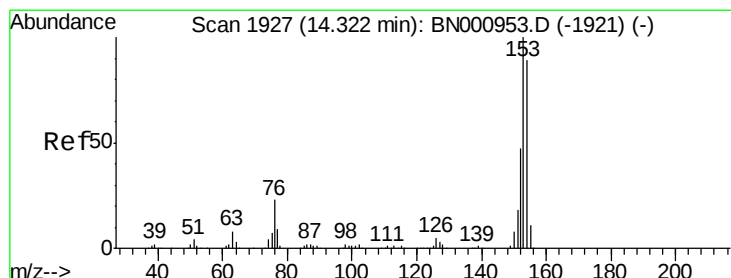
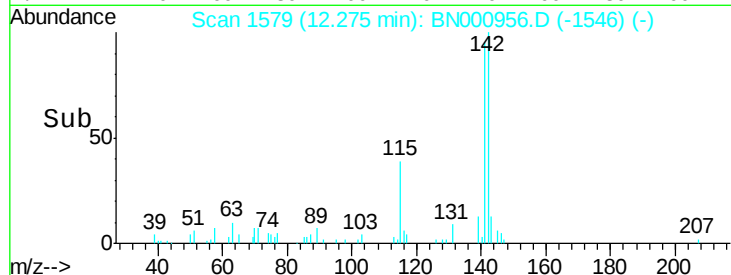
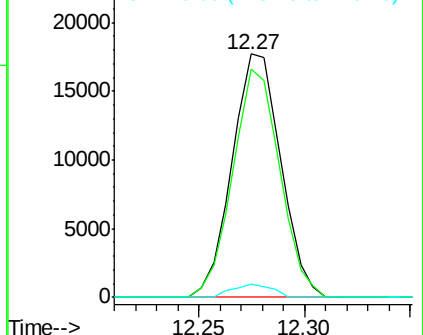
116 5.5 4.2 6.2



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



#9

Acenaphthene

Concen: 1.290 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

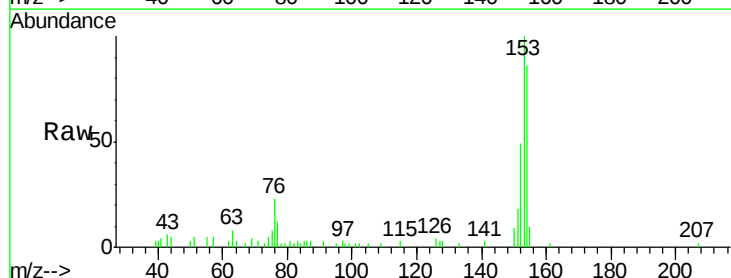
Tgt Ion:153 Resp: 27031

Ion Ratio Lower Upper

153 100

152 49.2 39.0 58.6

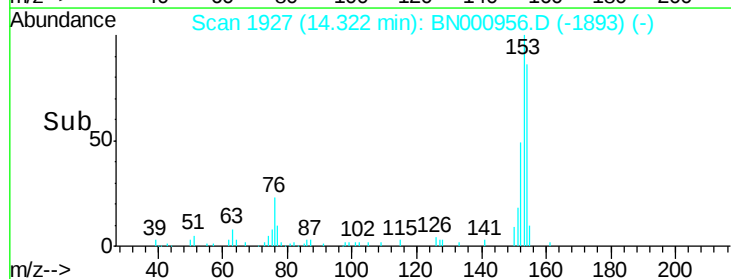
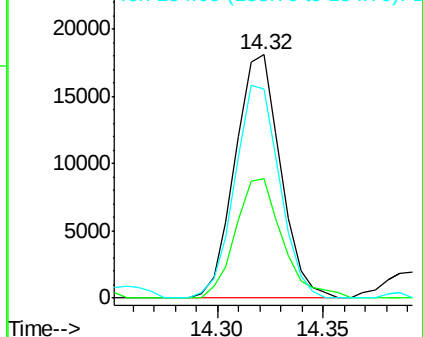
154 85.8 66.8 100.2

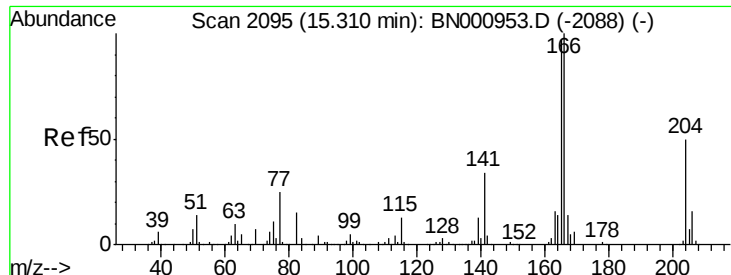


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.095 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

Instrument :

BNA_N

ClientSampleId :

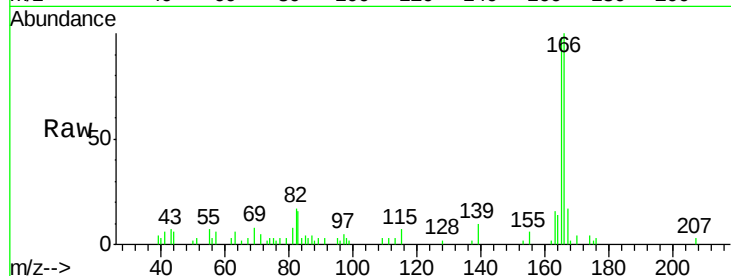
Tot Ion:166 Resp: 24417

Ion Ratio Lower Upper

166 100

165 97.6 83.8 125.8

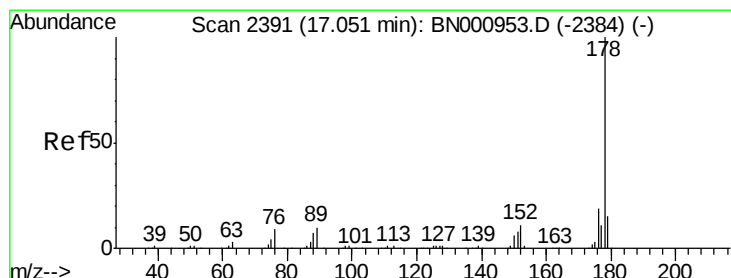
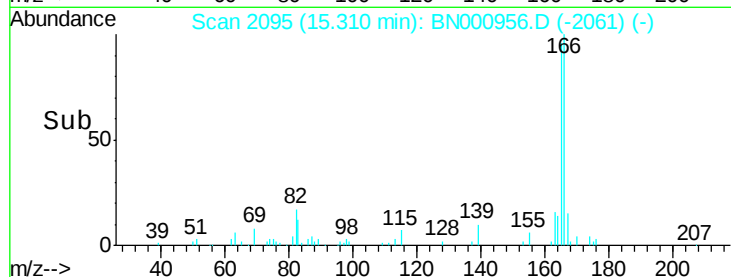
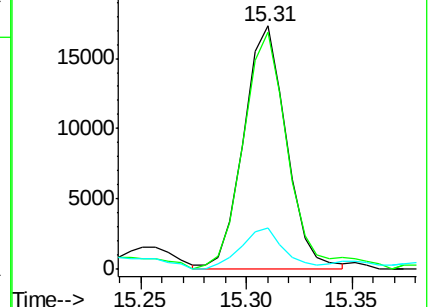
167 17.0 11.5 17.3



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: 14.281 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

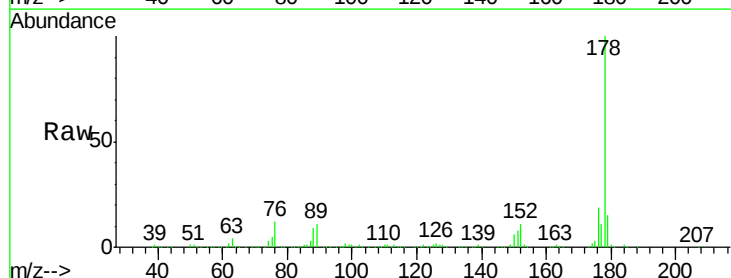
Tgt Ion:178 Resp: 438453

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

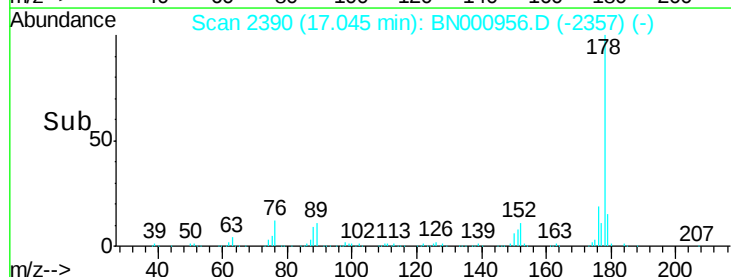
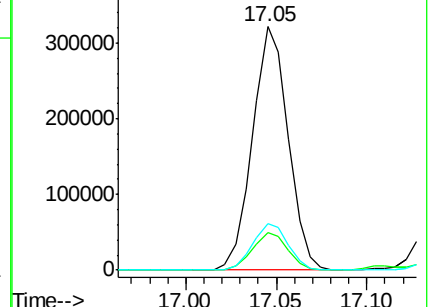
176 18.9 15.1 22.7

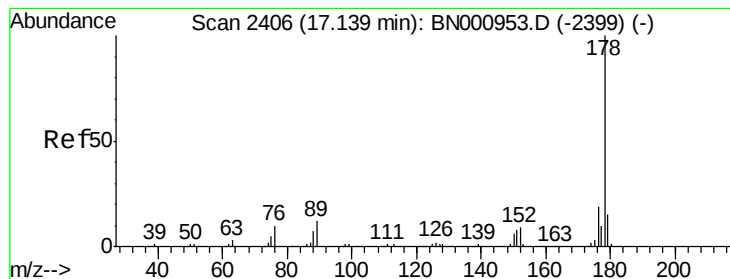


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 3.261 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

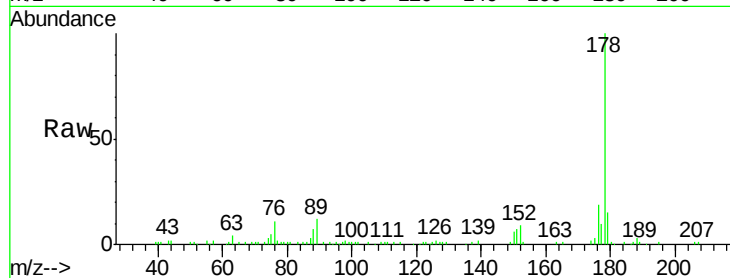
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 100427

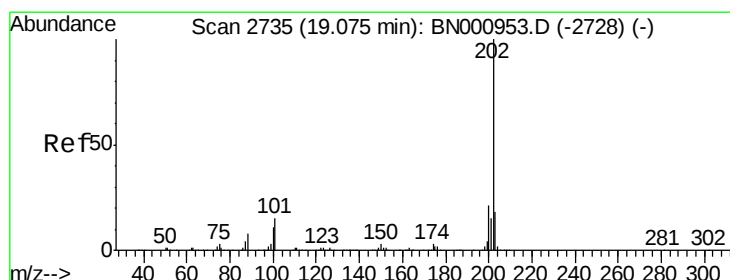
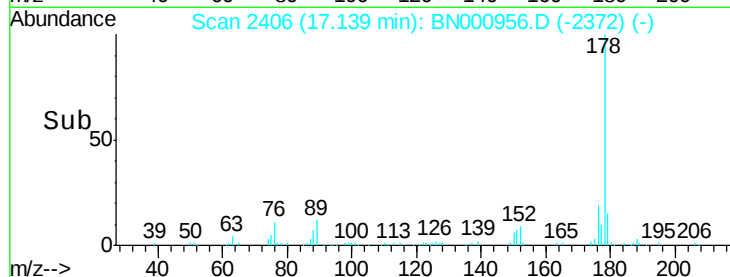
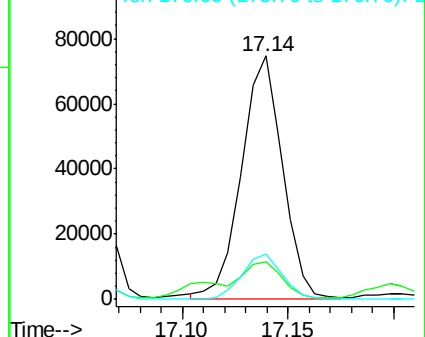
Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.8
176	18.8	15.2	22.8



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: 17.601 ng/ul

RT: 19.07 min Scan# 2735

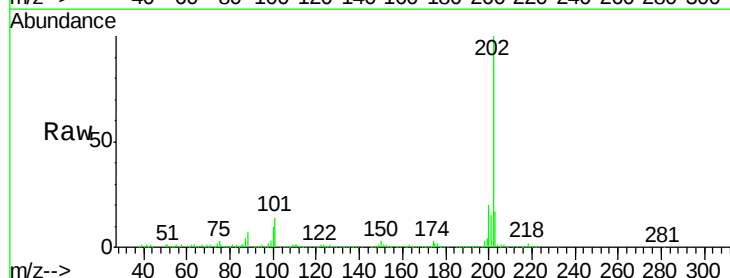
Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

Tgt Ion:202 Resp: 548283

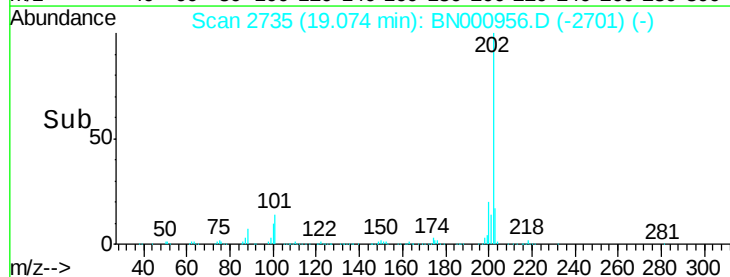
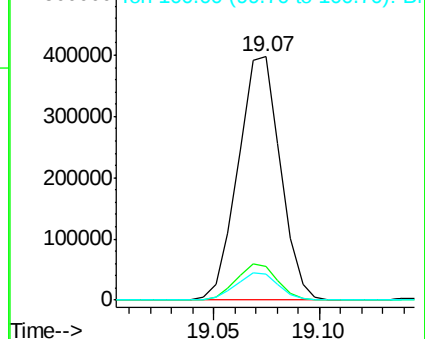
Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.9	14.9
100	10.5	7.4	11.0

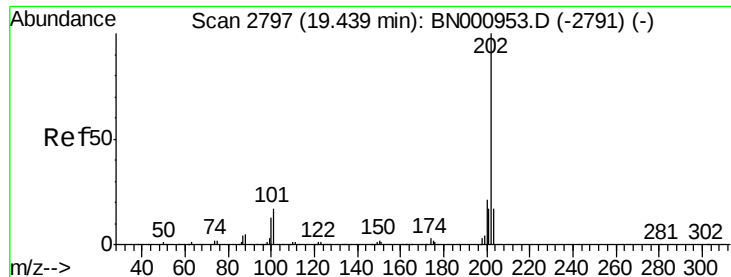


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 14.167 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

Instrument :

BNA_N

ClientSampled :

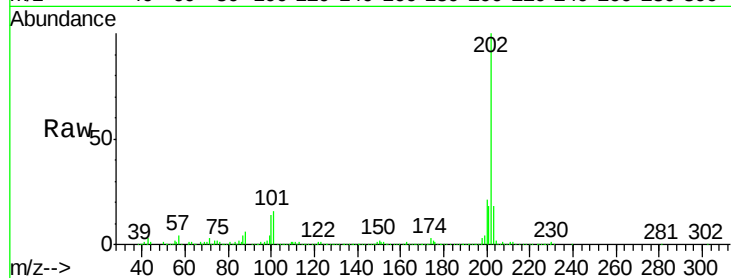
Tot Ion:202 Resp: 461424

Ion Ratio Lower Upper

202 100

101 16.4 11.0 16.4

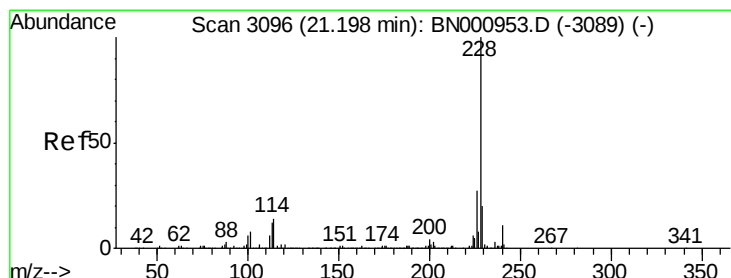
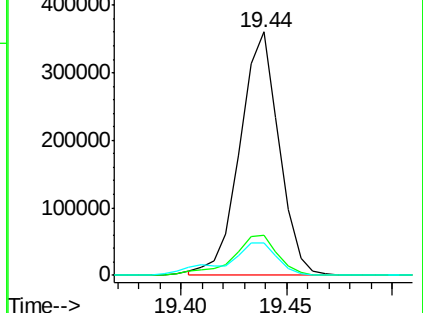
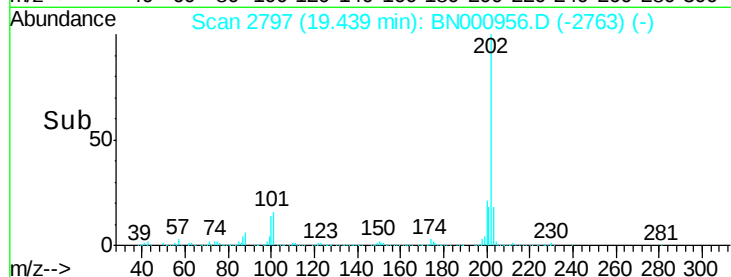
100 13.5 8.1 12.1#



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



#20

Benzo(a)anthracene

Concen: 9.013 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

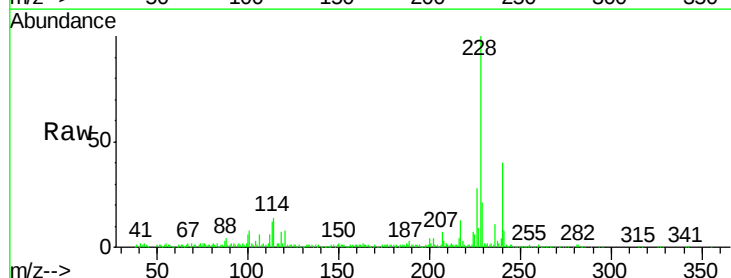
Tgt Ion:228 Resp: 273195

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

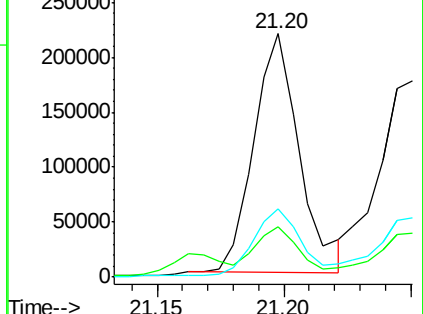
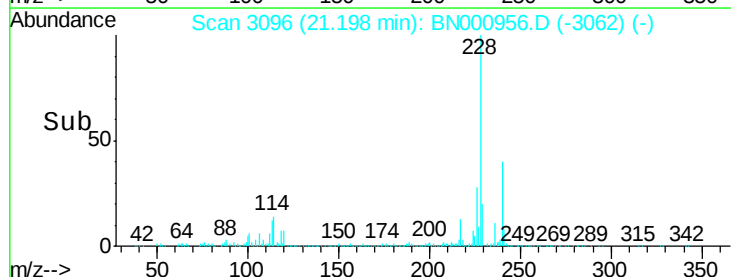
226 28.1 21.1 31.7

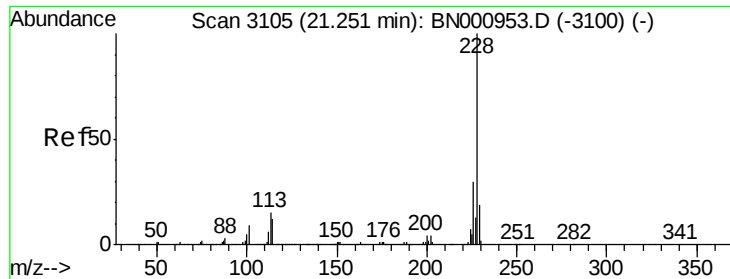


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 9.098 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

Instrument :

BNA_N

ClientSampled :

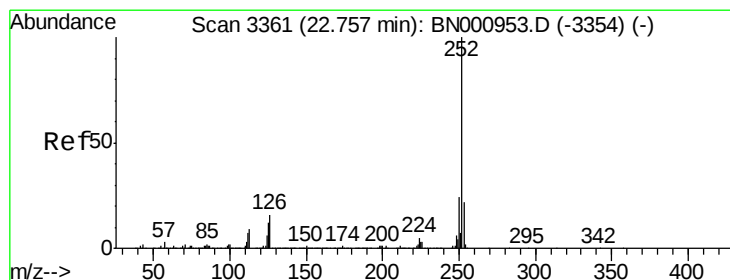
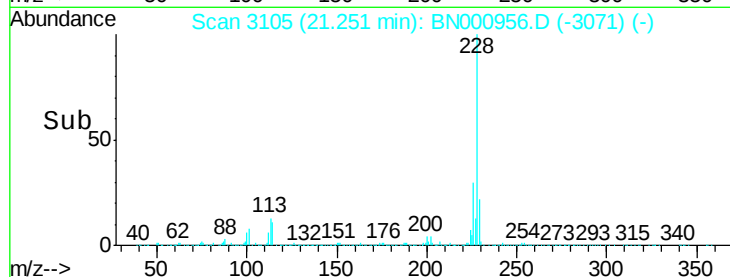
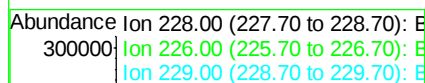
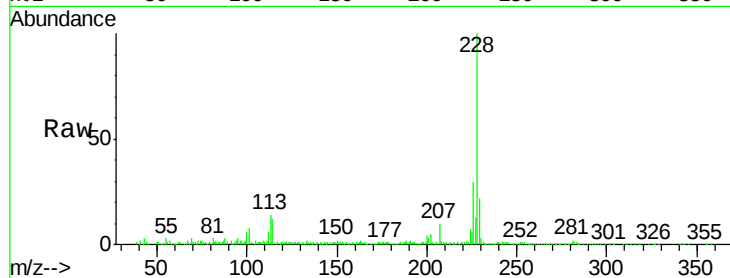
Tot Ion:228 Resp: 259211

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 22.5 15.8 23.8



#23

Benzo(b)fluoranthene

Concen: 15.785 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

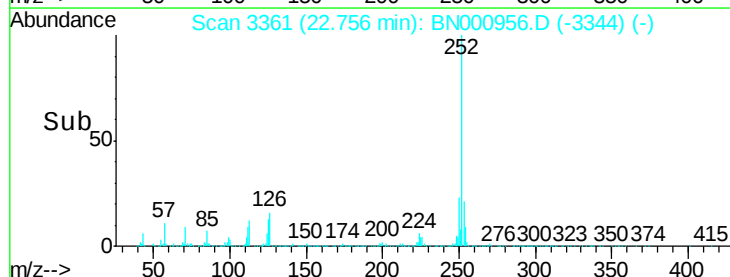
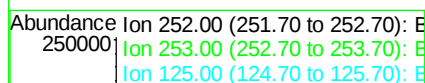
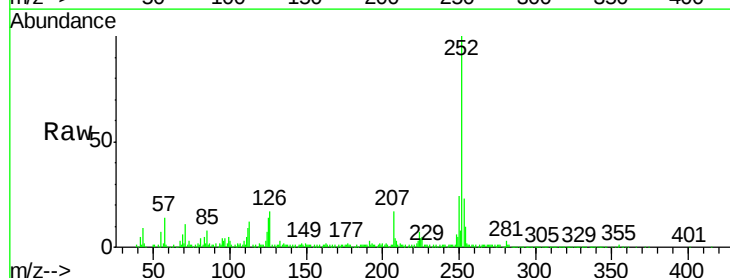
Tgt Ion:252 Resp: 489836

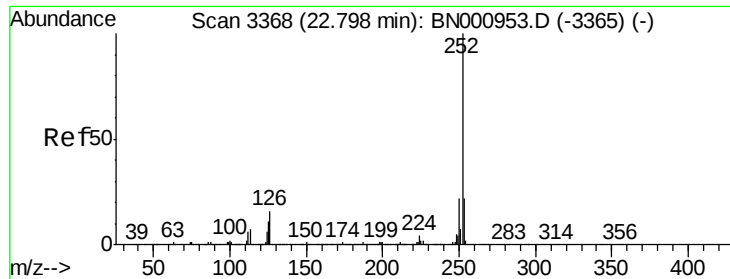
Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 14.3 8.0 12.0#

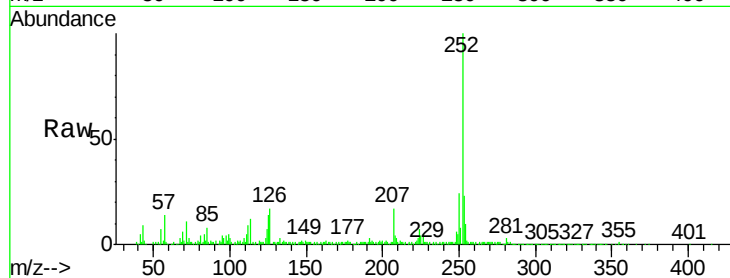




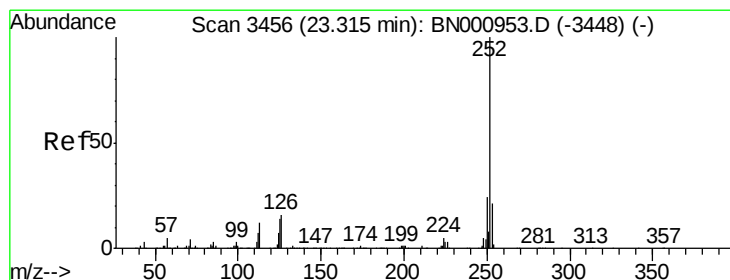
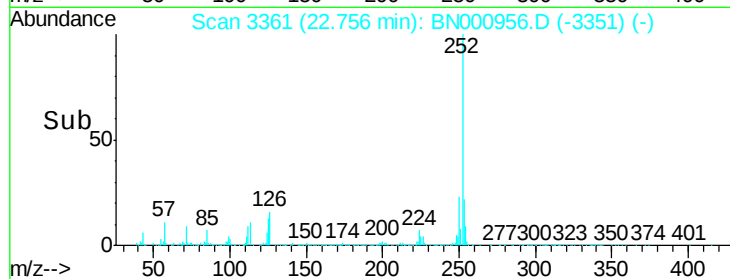
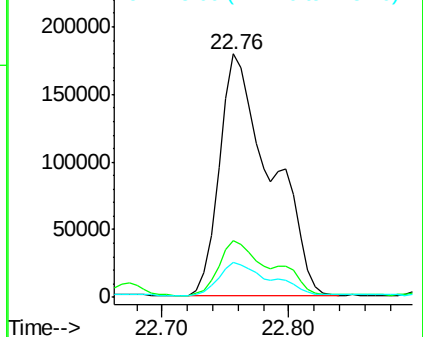
#24
Benzo(k)fluoranthene
Concen: 16.395 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.04 min
Lab File: BN000956.D
Acq: 27 Apr 2018 05:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	14.3	8.1	12.1

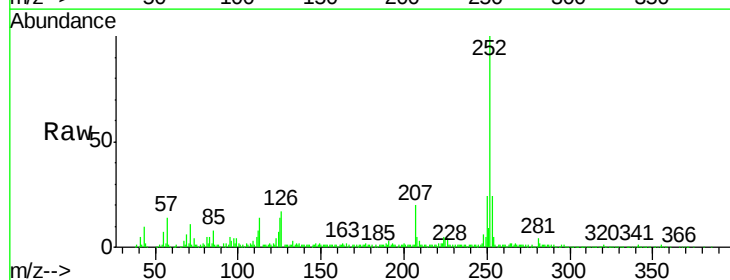


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

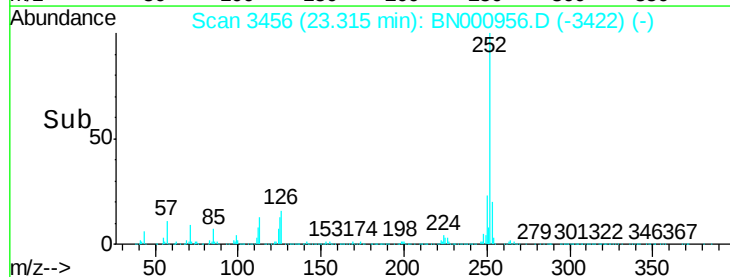
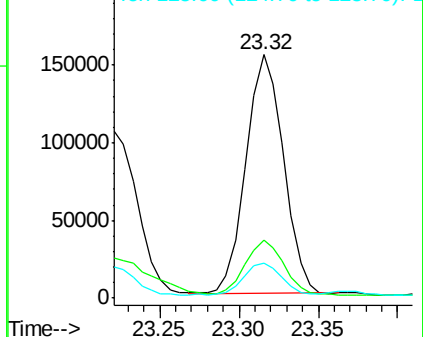


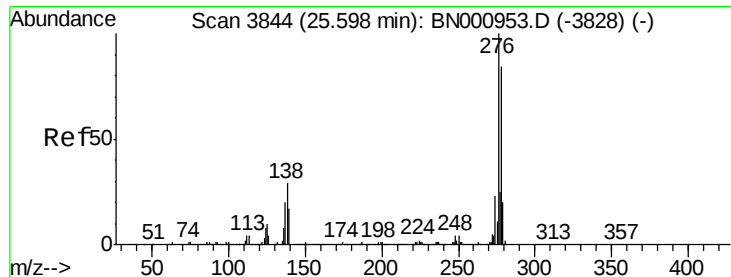
#26
Benzo(a)pyrene
Concen: 8.555 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.00 min
Lab File: BN000956.D
Acq: 27 Apr 2018 05:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	14.4	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

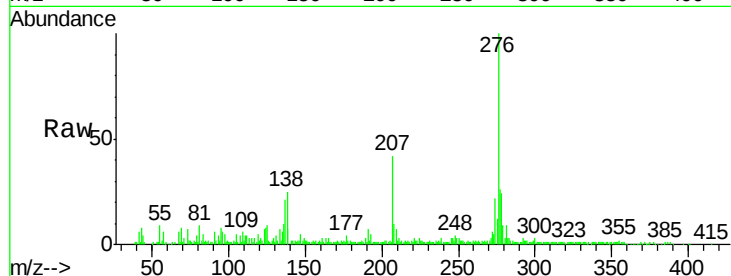




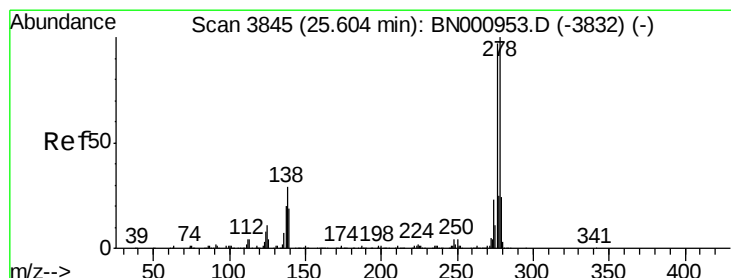
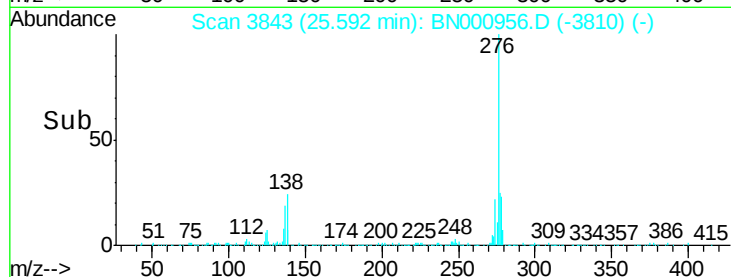
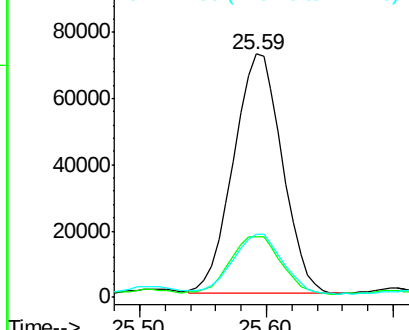
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 5.380 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.01 min
 Lab File: BN000956.D
 Acq: 27 Apr 2018 05:12

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 192723
 Ion Ratio Lower Upper
 276 100
 138 25.0 14.4 21.6#
 277 25.8 18.0 27.0

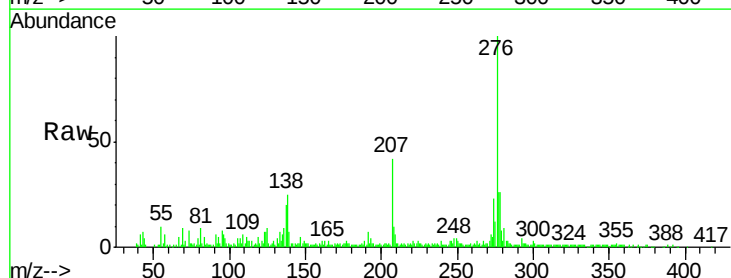


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

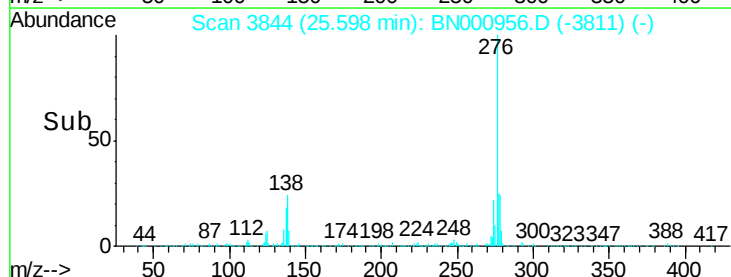
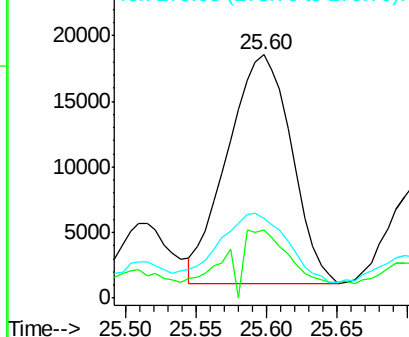


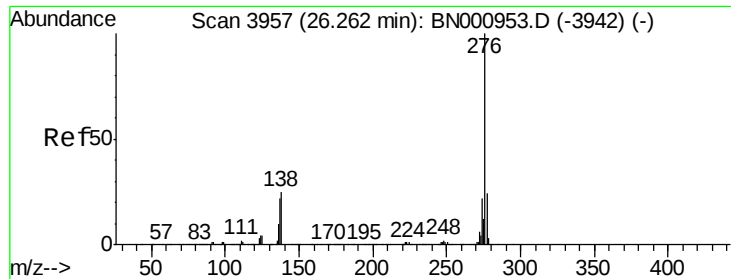
#28
 Dibenzo(a,h)anthracene
 Concen: 1.859 ng/ul
 RT: 25.60 min Scan# 3844
 Delta R.T. -0.01 min
 Lab File: BN000956.D
 Acq: 27 Apr 2018 05:12

Tgt Ion:278 Resp: 55507
 Ion Ratio Lower Upper
 278 100
 139 28.1 12.2 18.4#
 279 33.0 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(a,h,i)perylene

Concen: 6.050 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.00 min

Lab File: BN000956.D

Acq: 27 Apr 2018 05:12

Instrument :

BNA_N

ClientSampleId :

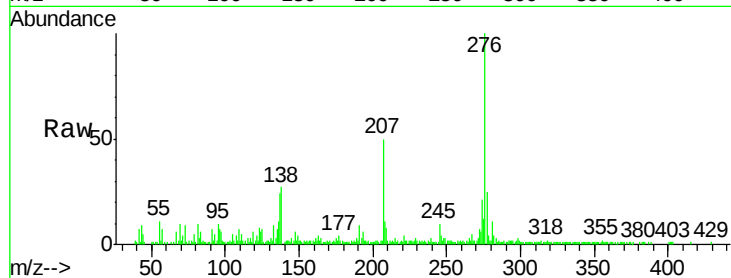
Tot Ion: 276 Resp: 181257

Ion Ratio Lower Upper

276 100

138 26.7 15.3 22.9#

277 24.8 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

