

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030918\
 Data File : BN000299.D
 Acq On : 10 Mar 2018 01:11
 Operator : JU/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 10 02:39:04 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 09 23:47:40 2018
 Response via : Initial Calibration

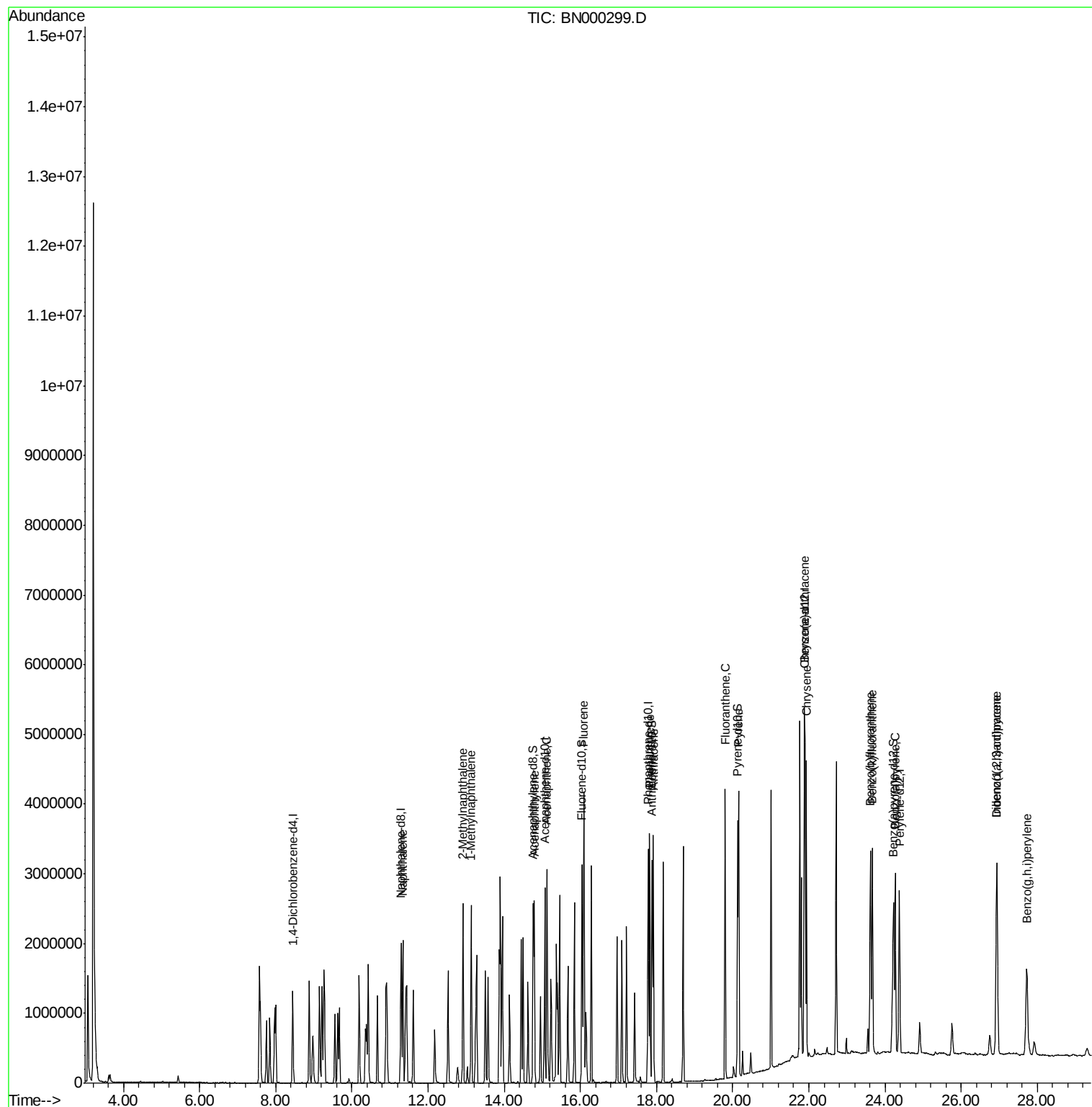
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	362826	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	1669304	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	903112	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.78	188	1828865	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1741387	20.00	ng/ul	0.00
22) Perylene-d12	24.37	264	1652467	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1786294	19.93	ng/ul	0.00
10) Fluorene-d10	16.04	176	1155565	19.04	ng/ul	0.00
14) Anthracene-d10	17.88	188	1685281	19.72	ng/ul	0.00
18) Pyrene-d10	20.13	212	1764166	20.71	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.22	264	1516673	20.10	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	1687625	19.158	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	1158199	18.678	ng/ul	97
5) 1-Methylnaphthalene	13.13	142	1152759	18.524	ng/ul#	92
8) Acenaphthylene	14.79	152	1762145	19.563	ng/ul	98
9) Acenaphthene	15.12	153	1198846	19.123	ng/ul	96
11) Fluorene	16.09	166	1315429	19.024	ng/ul	93
13) Phenanthrene	17.82	178	2012853	19.191	ng/ul	99
15) Anthracene	17.92	178	2083287	19.575	ng/ul	99
16) Fluoranthene	19.80	202	2232173	19.697	ng/ul#	92
19) Pyrene	20.16	202	2252617	20.489	ng/ul#	88
20) Benzo(a)anthracene	21.88	228	2143907	19.804	ng/ul	98
21) Chrysene	21.93	228	2020129	19.663	ng/ul	100
23) Benzo(b)fluoranthene	23.62	252	2083926	21.148	ng/ul#	96
24) Benzo(k)fluoranthene	23.67	252	1864255	20.212	ng/ul#	97
26) Benzo(a)pyrene	24.27	252	1849959	19.726	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	26.93	276	1903758	18.827	ng/ul#	81
28) Dibenzo(a,h)anthracene	26.94	278	1599266	19.296	ng/ul#	93
29) Benzo(g,h,i)perylene	27.72	276	1542841	18.274	ng/ul#	90

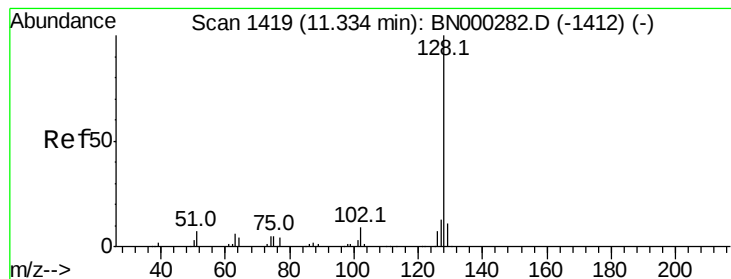
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 23:47:40 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 19.158 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

Instrument :

BNA_N

ClientSampled :

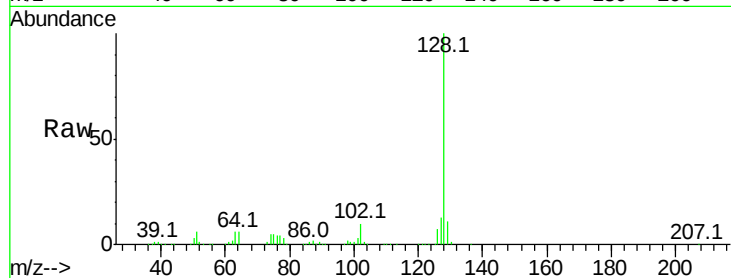
Tot Ion:128 Resp: 1687625

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

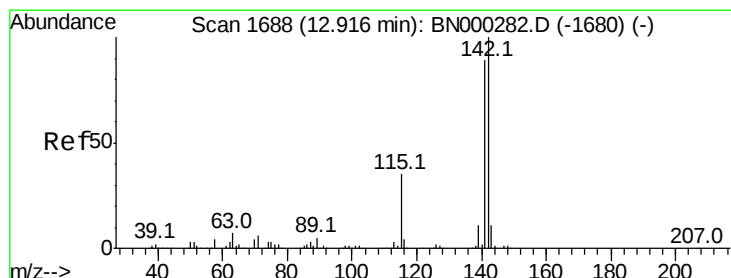
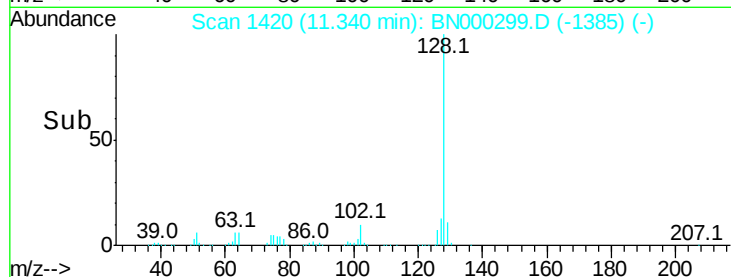
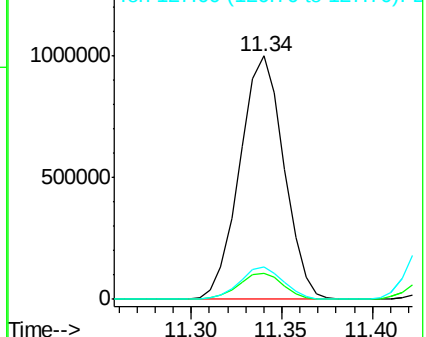
127 13.3 10.6 16.0



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: 18.678 ng/ul

RT: 12.92 min Scan# 1688

Delta R.T. -0.00 min

Lab File: BN000299.D

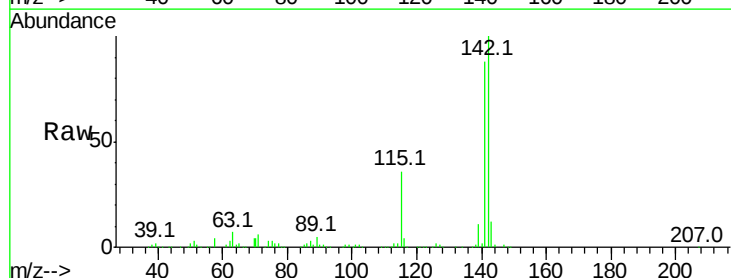
Acq: 10 Mar 2018 01:11

Tgt Ion:142 Resp: 1158199

Ion Ratio Lower Upper

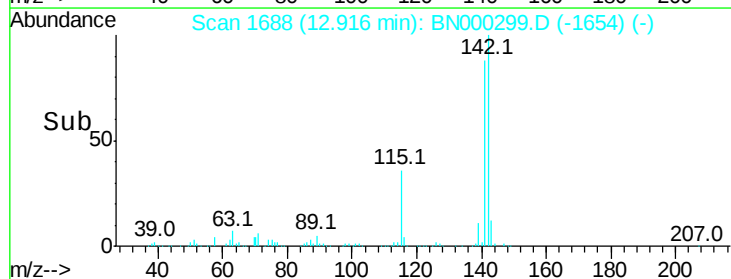
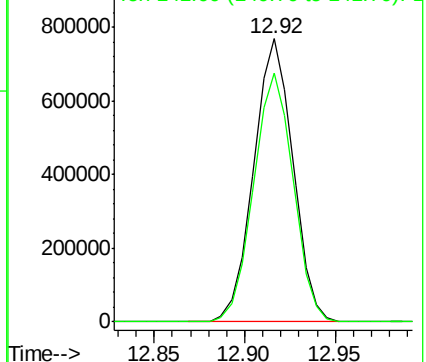
142 100

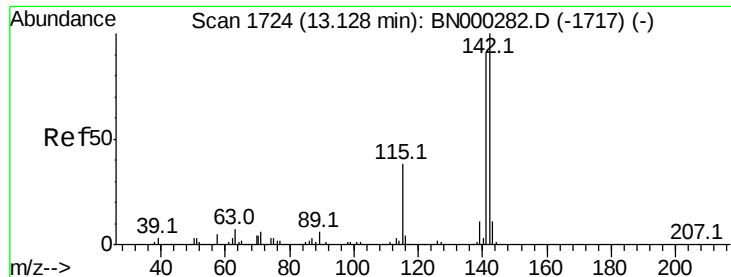
141 87.7 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.524 ng/ul

RT: 13.13 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

Instrument :

BNA_N

ClientSampled :

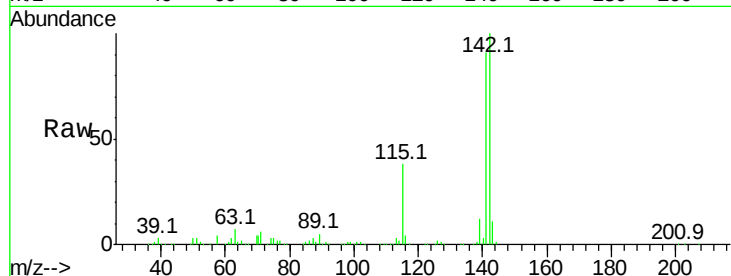
Tot Ion:142 Resp: 1152759

Ion Ratio Lower Upper

142 100

141 90.9 79.3 118.9

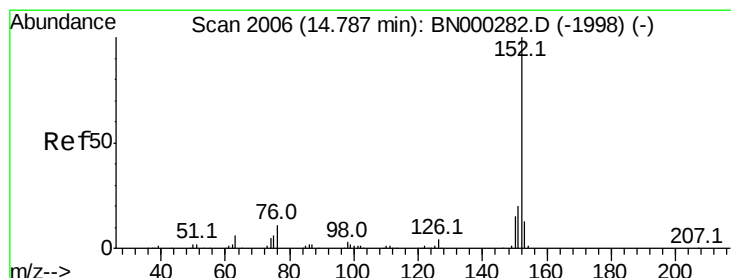
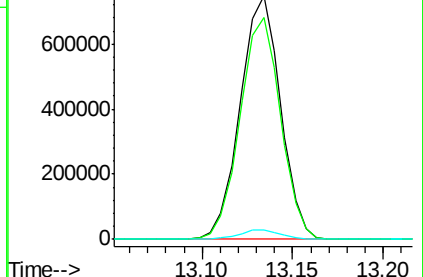
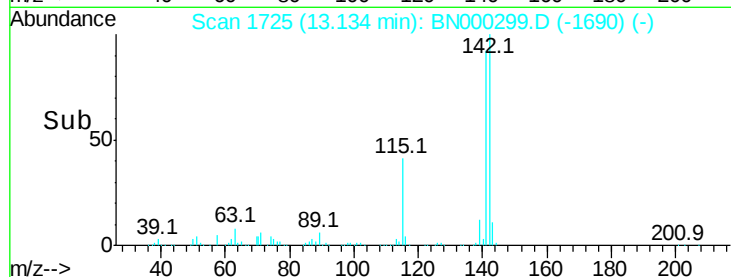
116 3.9 4.2 6.2#



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: 19.563 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

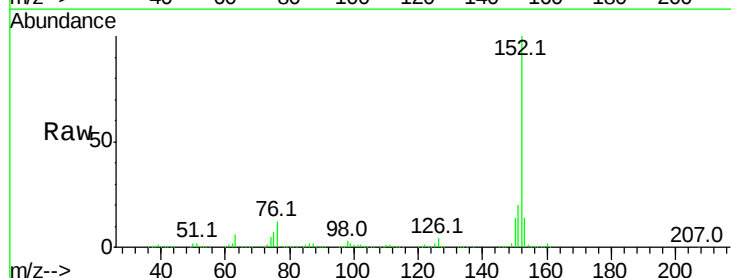
Tgt Ion:152 Resp: 1762145

Ion Ratio Lower Upper

152 100

151 20.1 16.7 25.1

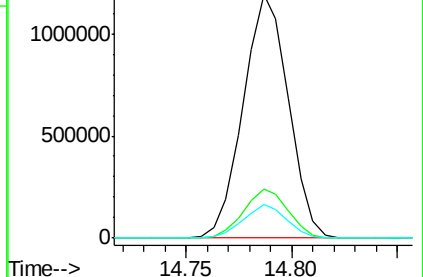
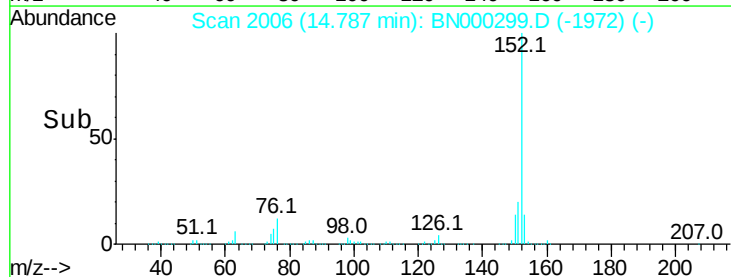
153 13.6 10.2 15.4

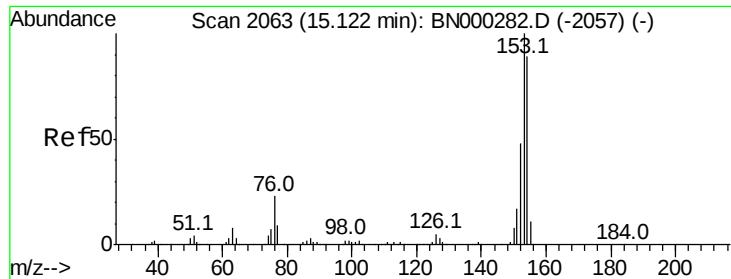


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.123 ng/ul

RT: 15.12 min Scan# 2063

Delta R.T. -0.00 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

Instrument :

BNA_N

ClientSampled :

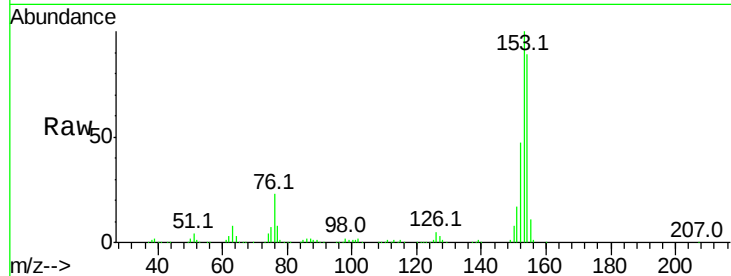
Tot Ion:153 Resp: 1198846

Ion Ratio Lower Upper

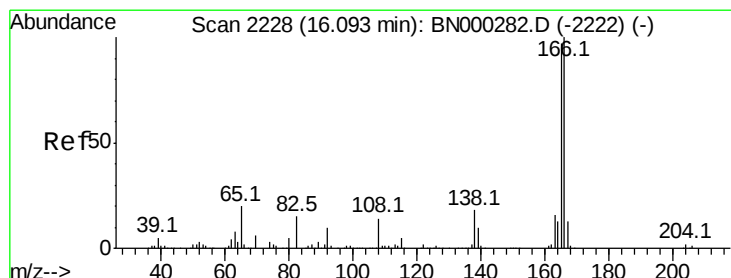
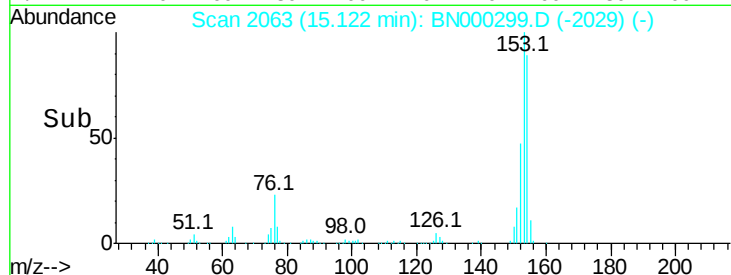
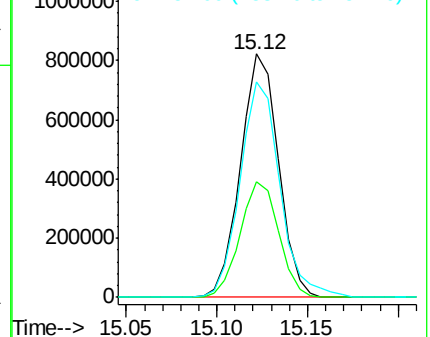
153 100

152 47.4 39.0 58.6

154 88.6 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: 19.024 ng/ul

RT: 16.09 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

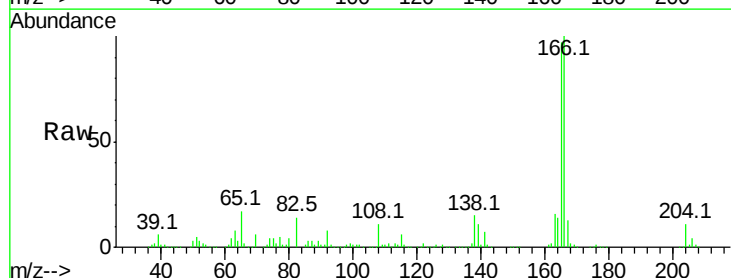
Tgt Ion:166 Resp: 1315429

Ion Ratio Lower Upper

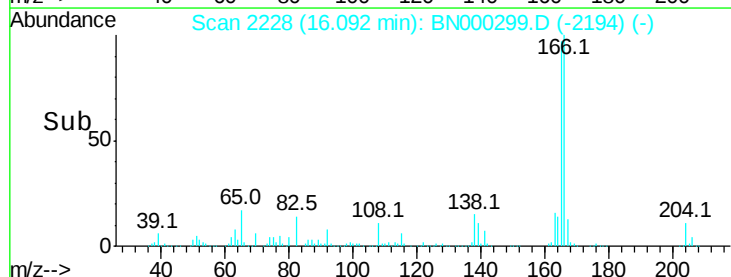
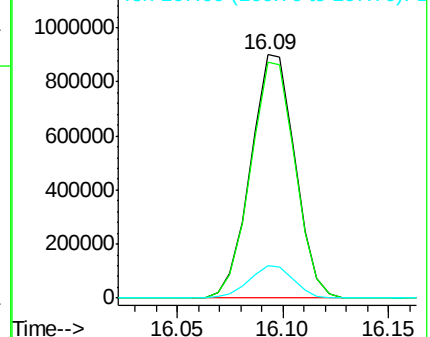
166 100

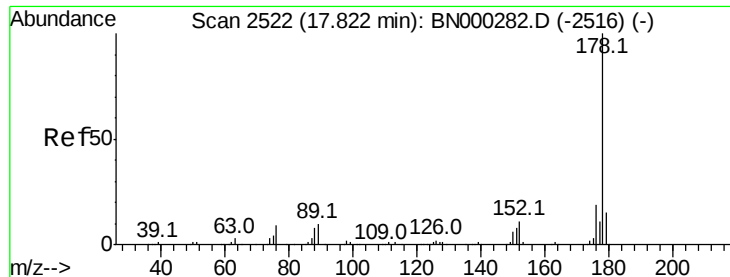
165 97.0 83.8 125.8

167 13.3 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

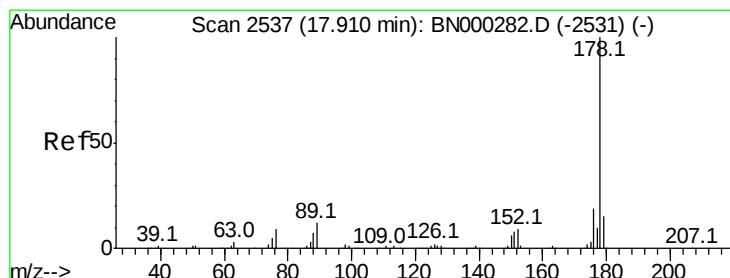
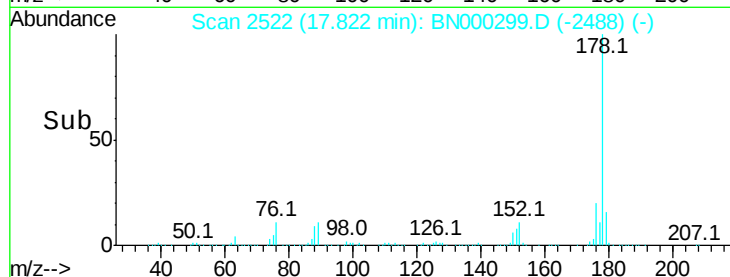
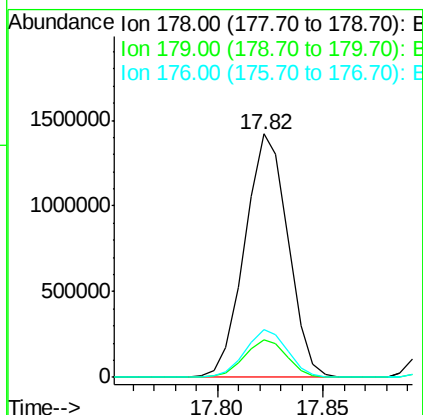
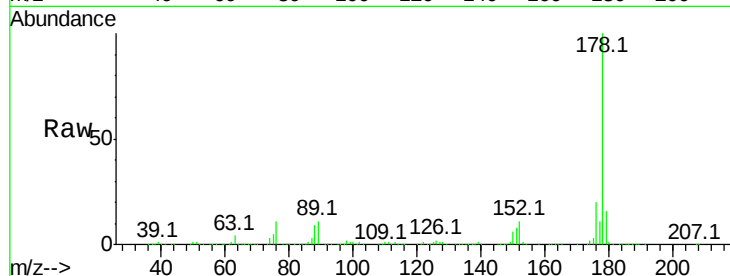




#13
Phenanthrene
Concen: 19.191 ng/ul
RT: 17.82 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

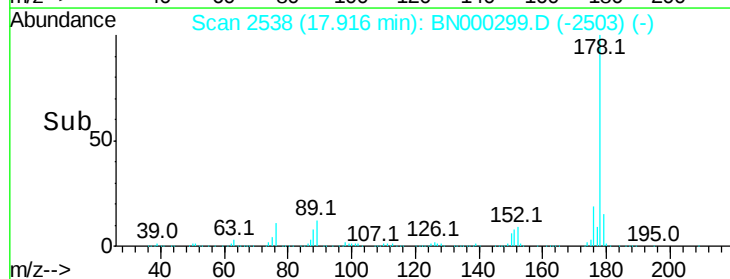
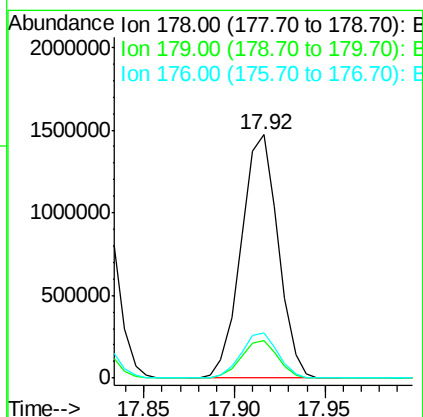
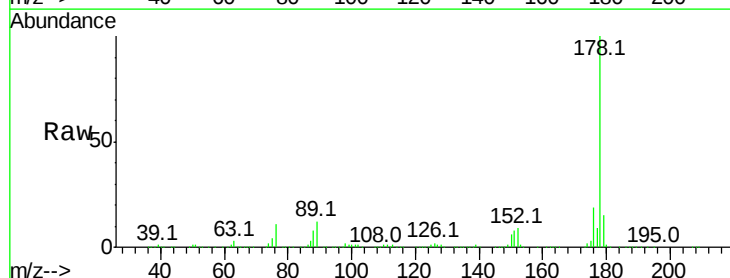
Instrument :
BNA_N
ClientSampleId :

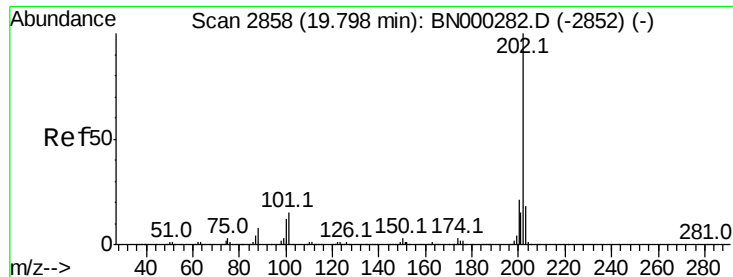
Tot Ion:178 Resp: 2012853
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.5 15.1 22.7



#15
Anthracene
Concen: 19.575 ng/ul
RT: 17.92 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

Tgt Ion:178 Resp: 2083287
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.8
176 18.6 15.2 22.8





#16

Fluoranthene

Concen: 19.697 ng/ul

RT: 19.80 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

Instrument :

BNA_N

ClientSampleId :

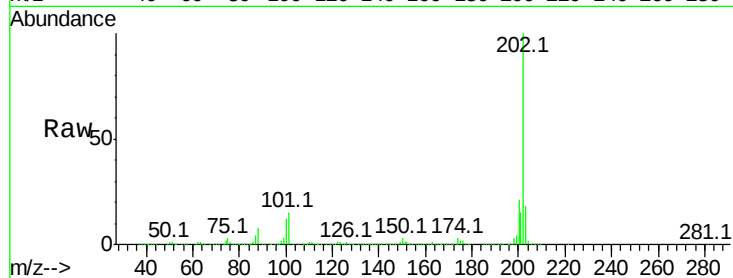
Tot Ion:202 Resp: 2232173

Ion Ratio Lower Upper

202 100

101 15.5 9.9 14.9#

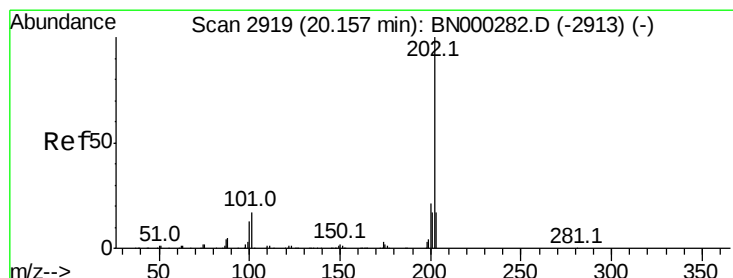
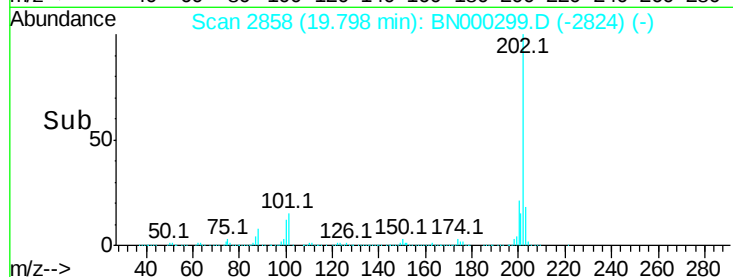
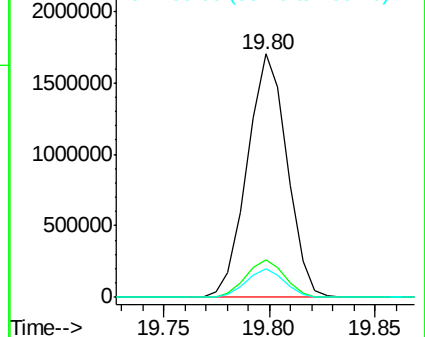
100 11.8 7.4 11.0#



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

Pyrene

Concen: 20.489 ng/ul

RT: 20.16 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

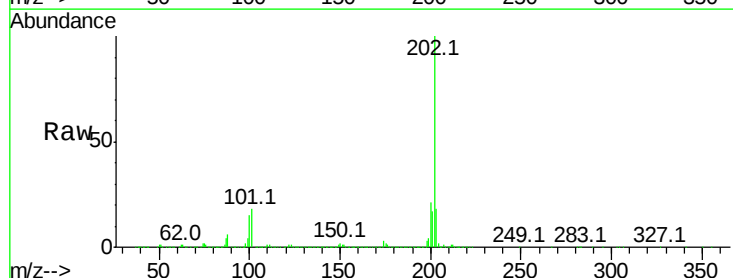
Tgt Ion:202 Resp: 2252617

Ion Ratio Lower Upper

202 100

101 18.1 11.0 16.4#

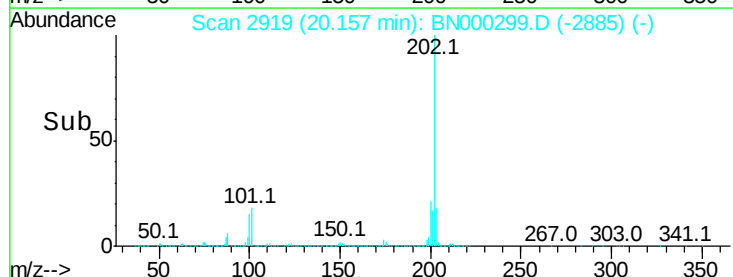
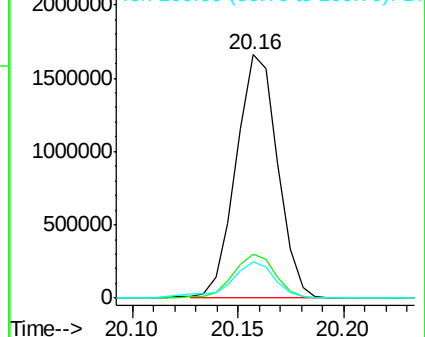
100 14.9 8.1 12.1#

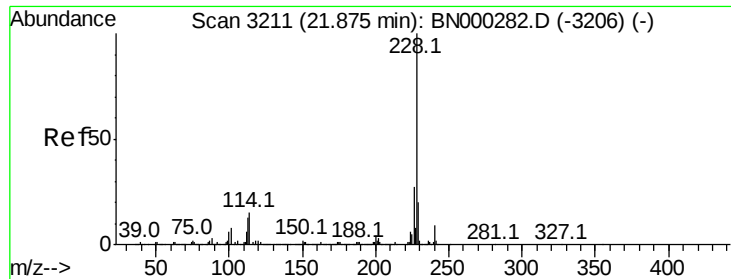


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

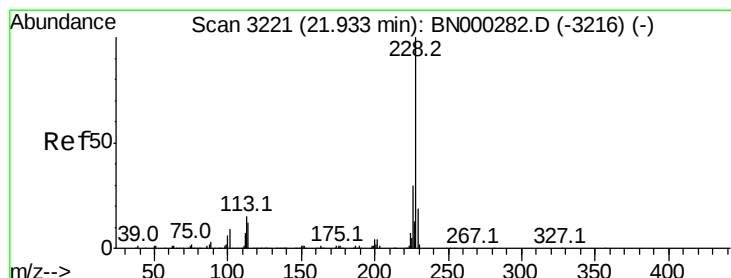
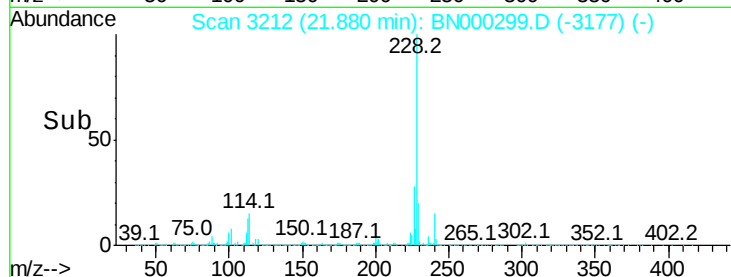
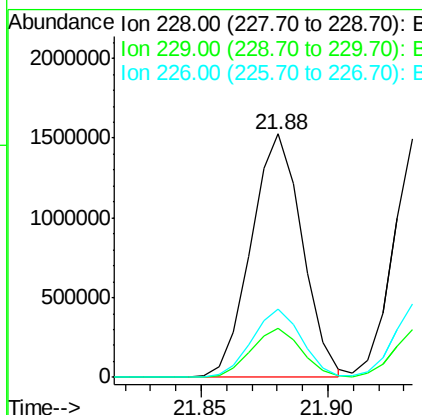
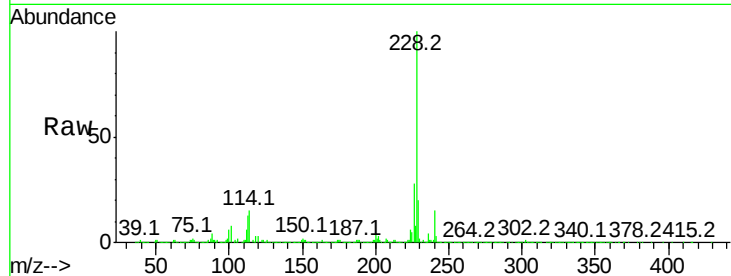




#20
Benzo(a)anthracene
Concen: 19.804 ng/ul
RT: 21.88 min Scan# 3212
Delta R.T. 0.01 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

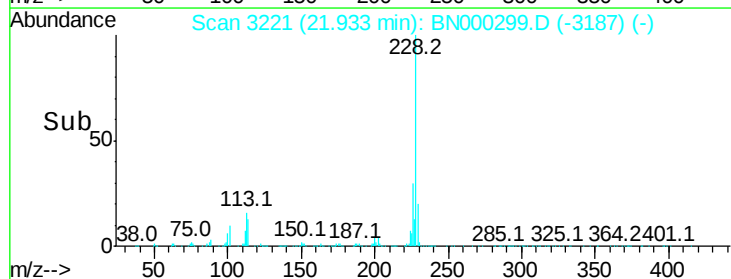
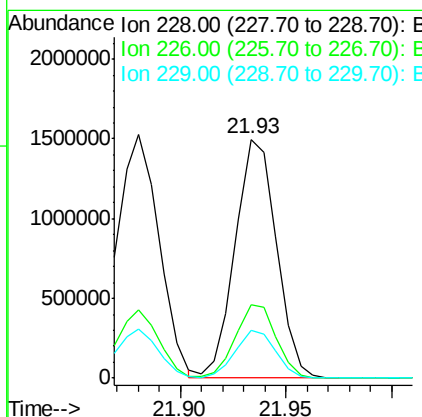
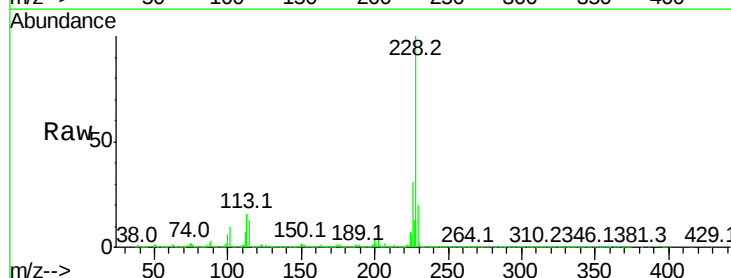
Instrument :
BNA_N
ClientSampleId :

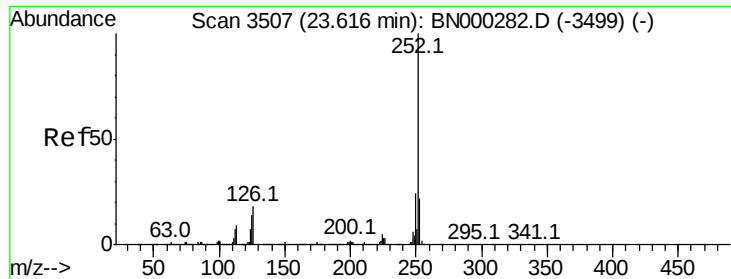
Tot Ion:228 Resp: 2143907
Ion Ratio Lower Upper
228 100
229 20.1 15.7 23.5
226 27.8 21.1 31.7



#21
Chrysene
Concen: 19.663 ng/ul
RT: 21.93 min Scan# 3221
Delta R.T. -0.00 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

Tgt Ion:228 Resp: 2020129
Ion Ratio Lower Upper
228 100
226 30.5 24.5 36.7
229 19.9 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 21.148 ng/ul

RT: 23.62 min Scan# 3507

Delta R.T. -0.00 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

Instrument :

BNA_N

ClientSampled :

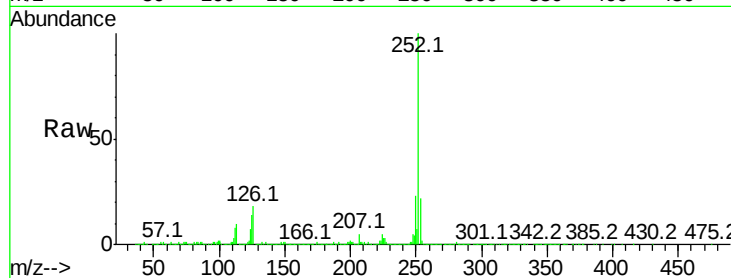
Tot Ion:252 Resp: 2083926

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

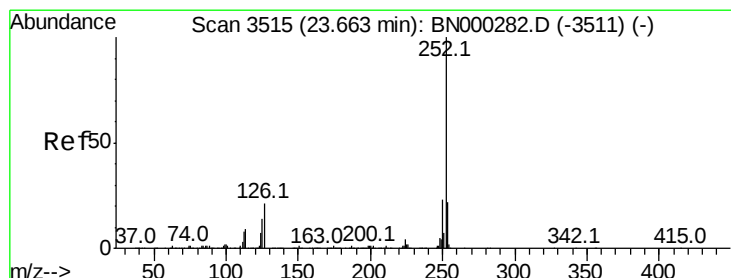
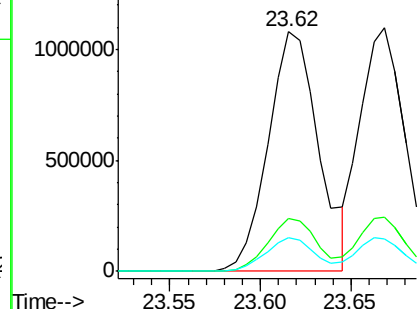
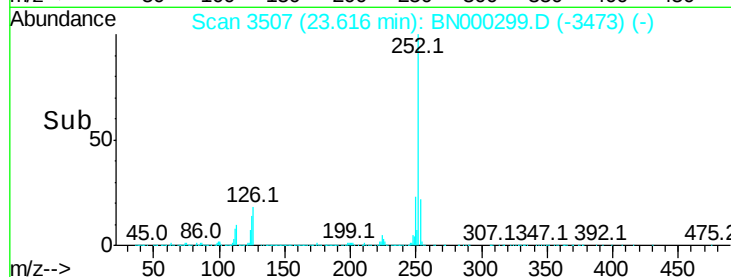
125 13.9 8.0 12.0#



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: 20.212 ng/ul

RT: 23.67 min Scan# 3516

Delta R.T. 0.01 min

Lab File: BN000299.D

Acq: 10 Mar 2018 01:11

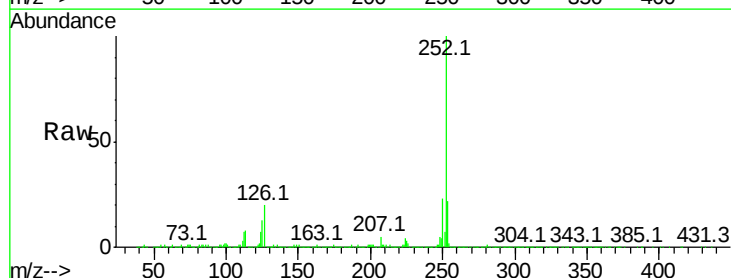
Tgt Ion:252 Resp: 1864255

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

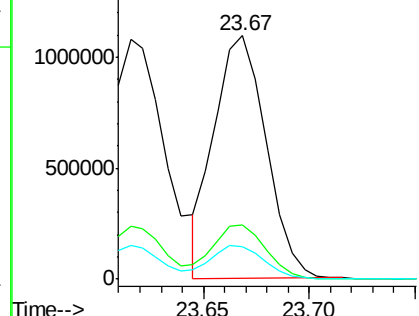
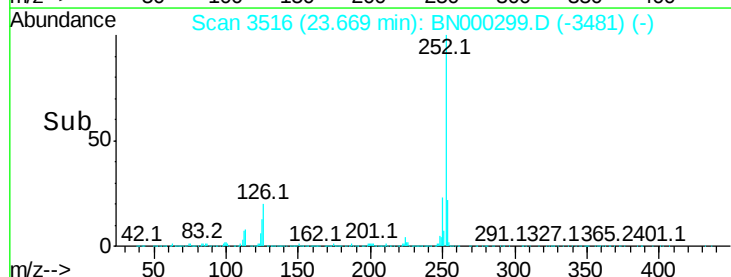
125 13.1 8.1 12.1#

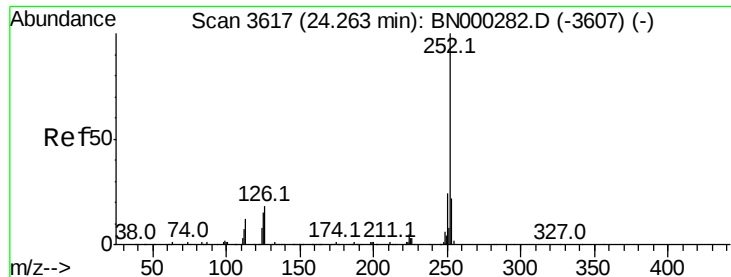


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

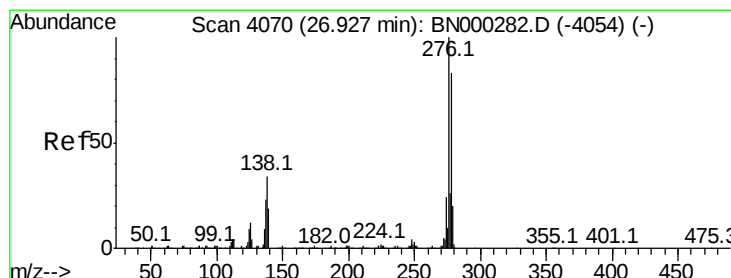
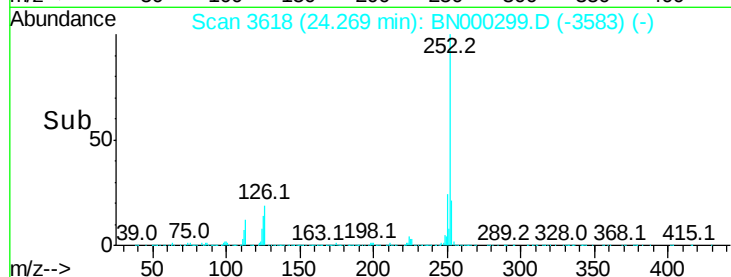
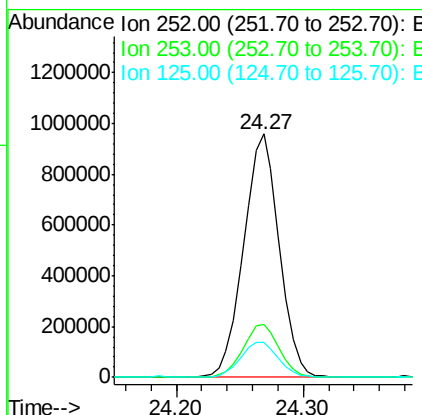
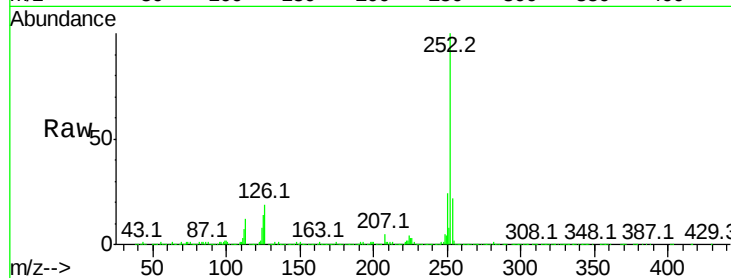




#26
Benzo(a)pyrene
Concen: 19.726 ng/ul
RT: 24.27 min Scan# 3618
Delta R.T. 0.01 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

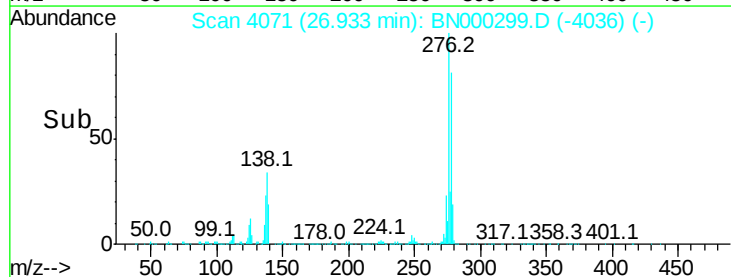
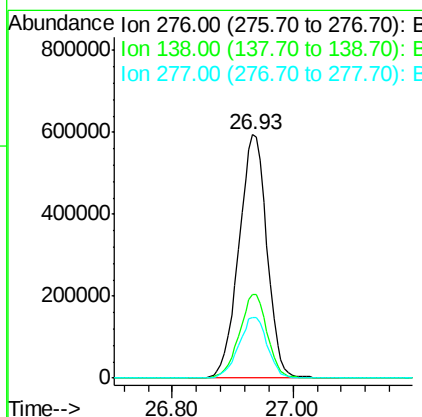
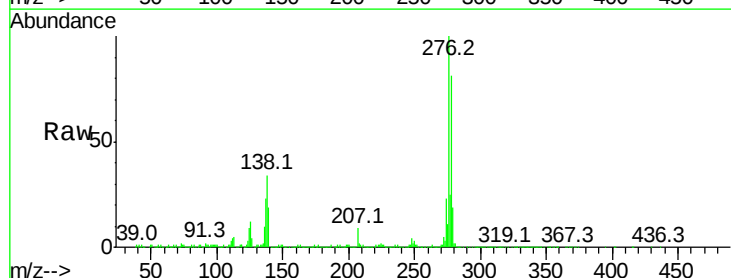
Instrument :
BNA_N
ClientSampleId :

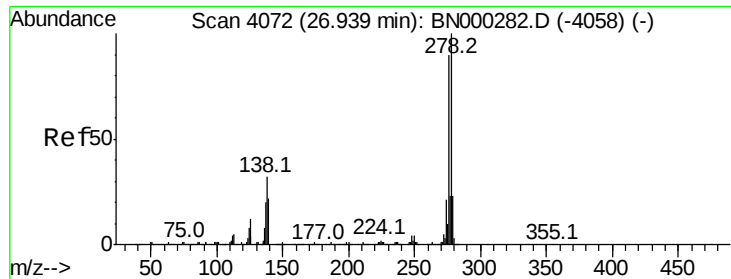
Tot Ion:252 Resp: 1849959
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 14.4 8.2 12.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 18.827 ng/ul
RT: 26.93 min Scan# 4071
Delta R.T. 0.01 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

Tgt Ion:276 Resp: 1903758
Ion Ratio Lower Upper
276 100
138 34.3 14.4 21.6#
277 25.1 18.0 27.0

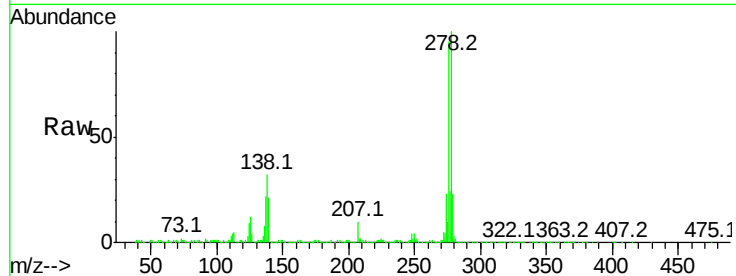




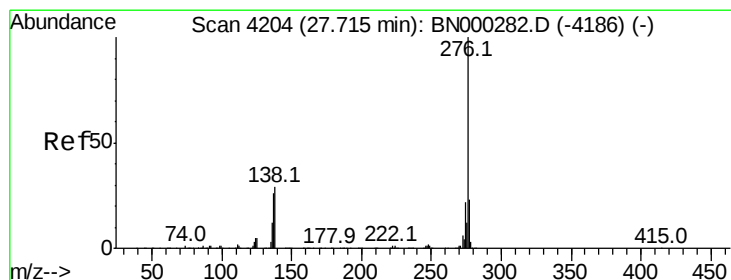
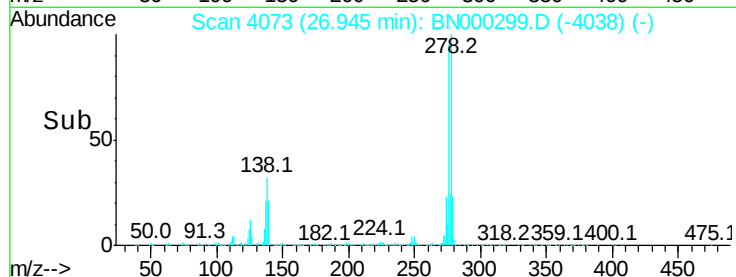
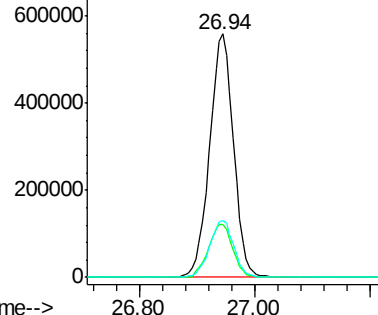
#28
Dibenzo(a,h)anthracene
Concen: 19.296 ng/ul
RT: 26.94 min Scan# 4073
Delta R.T. 0.01 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 1599266
Ion Ratio Lower Upper
278 100
139 21.5 12.2 18.4#
279 23.0 19.2 28.8

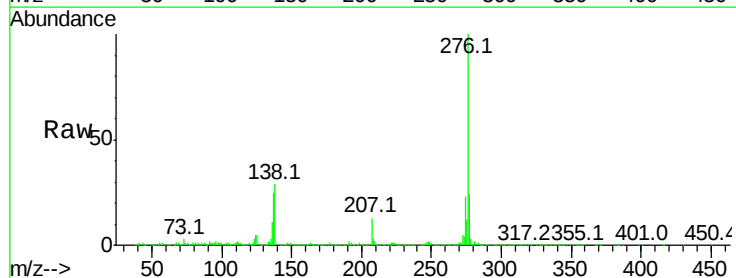


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#29
Benzo(g,h,i)perylene
Concen: 18.274 ng/ul
RT: 27.72 min Scan# 4205
Delta R.T. 0.01 min
Lab File: BN000299.D
Acq: 10 Mar 2018 01:11

Tgt Ion:276 Resp: 1542841
Ion Ratio Lower Upper
276 100
138 28.7 15.3 22.9#
277 23.5 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

