

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050218\
 Data File : BN001061.D
 Acq On : 02 May 2018 09:40
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 03 07:32:31 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 02 08:29:08 2018
 Response via : Initial Calibration

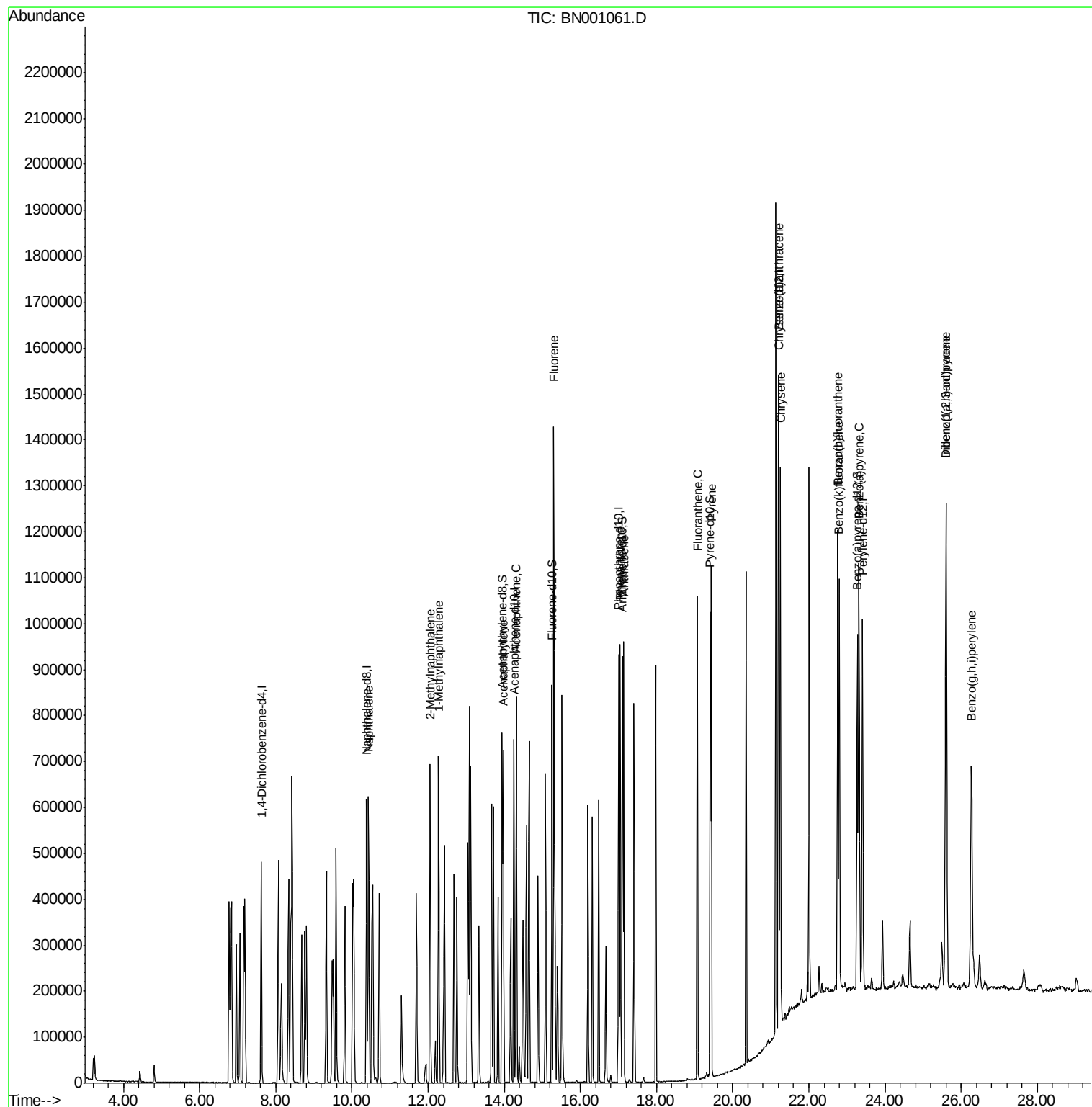
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	116290	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	480105	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	238707	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	479103	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	460259	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	489770	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	482145	21.03	ng/ul	0.00
10) Fluorene-d10	15.25	176	309495	20.23	ng/ul	0.00
14) Anthracene-d10	17.10	188	458456	20.93	ng/ul	0.00
18) Pyrene-d10	19.41	212	473016	20.06	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	478161	20.67	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	487606	20.152	ng/ul	99
4) 2-Methylnaphthalene	12.05	142	318081	19.703	ng/ul	97
5) 1-Methylnaphthalene	12.28	142	314711	19.875	ng/ul	92
8) Acenaphthylene	13.98	152	465152	20.500	ng/ul	98
9) Acenaphthene	14.32	153	320356	20.435	ng/ul	95
11) Fluorene	15.31	166	344181	20.623	ng/ul	94
13) Phenanthrene	17.05	178	523123	20.020	ng/ul	100
15) Anthracene	17.14	178	536113	20.455	ng/ul	99
16) Fluoranthene	19.07	202	586937	22.139	ng/ul	95
19) Pyrene	19.44	202	581956	19.685	ng/ul#	91
20) Benzo(a)anthracene	21.20	228	560933	20.388	ng/ul	99
21) Chrysene	21.25	228	524192	20.271	ng/ul	99
23) Benzo(b)fluoranthene	22.76	252	539631	19.388	ng/ul#	97
24) Benzo(k)fluoranthene	22.80	252	559346	20.537	ng/ul#	98
26) Benzo(a)pyrene	23.32	252	532611	20.023	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.60	276	650648	20.251	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.61	278	541806	20.234	ng/ul	97
29) Benzo(g,h,i)perylene	26.27	276	541836	20.164	ng/ul#	95

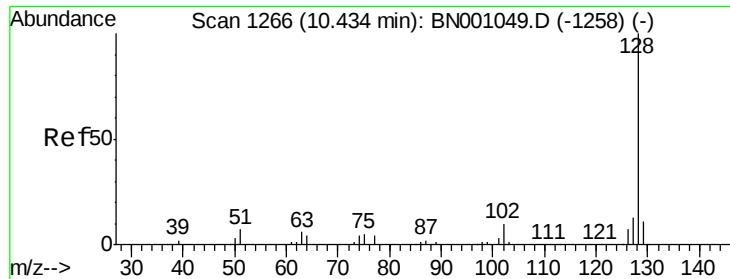
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050218\
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Quant Time: May 03 07:32:31 2018
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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 02 08:29:08 2018
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#3

Naphthalene

Concen: 20.152 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Instrument :

BNA_N

ClientSampleId :

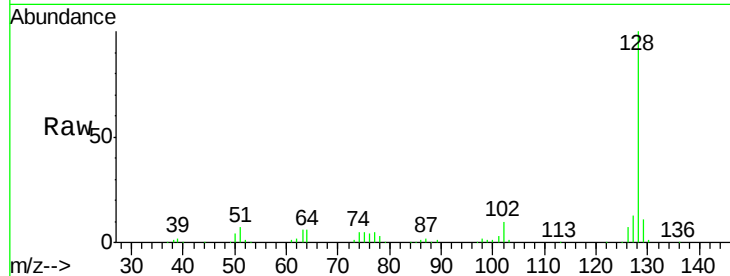
Tot Ion:128 Resp: 487606

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

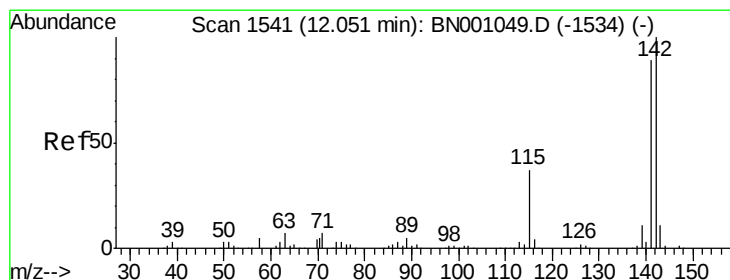
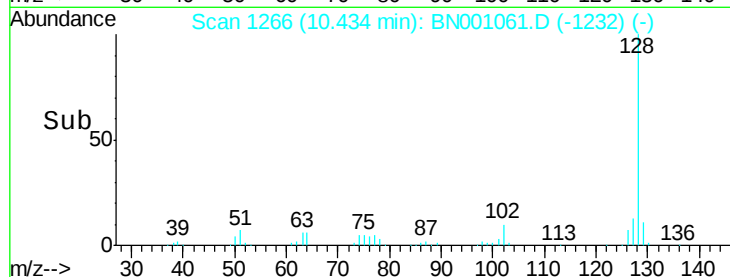
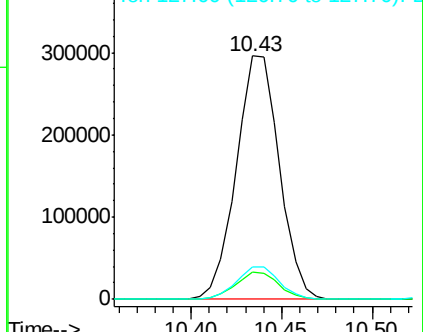
127 13.4 10.6 16.0



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: 19.703 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BN001061.D

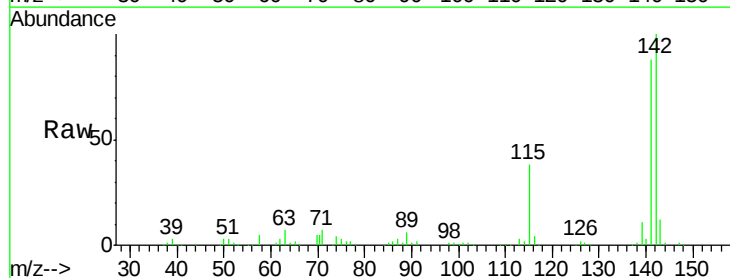
Acq: 02 May 2018 09:40

Tgt Ion:142 Resp: 318081

Ion Ratio Lower Upper

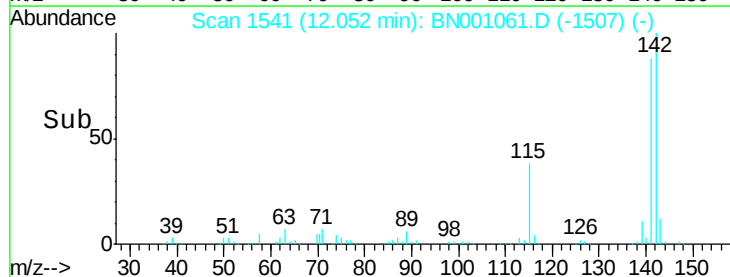
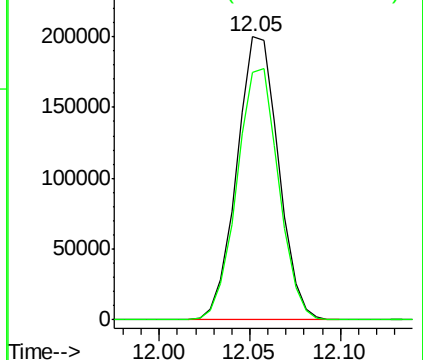
142 100

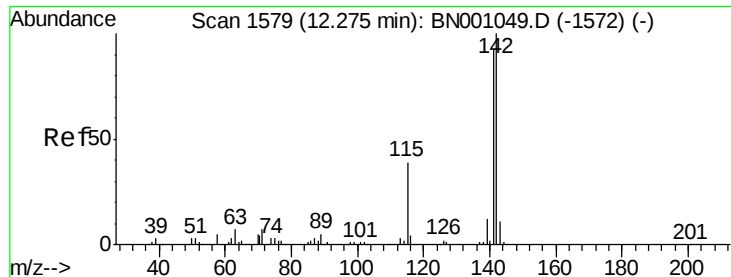
141 87.7 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.875 ng/ul

RT: 12.28 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Instrument :

BNA_N

ClientSampled :

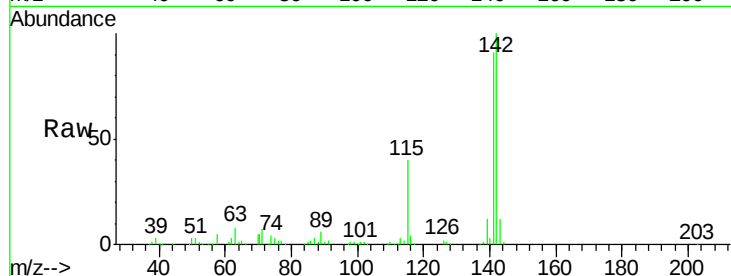
Tot Ion:142 Resp: 314711

Ion Ratio Lower Upper

142 100

141 91.3 79.3 118.9

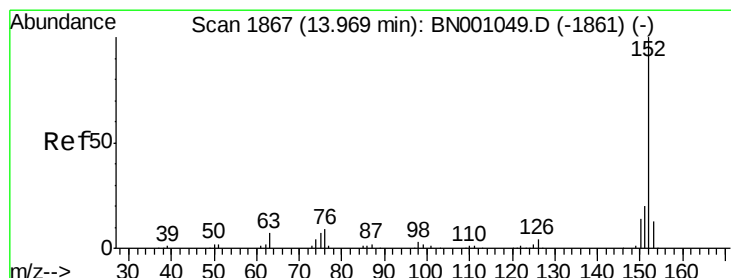
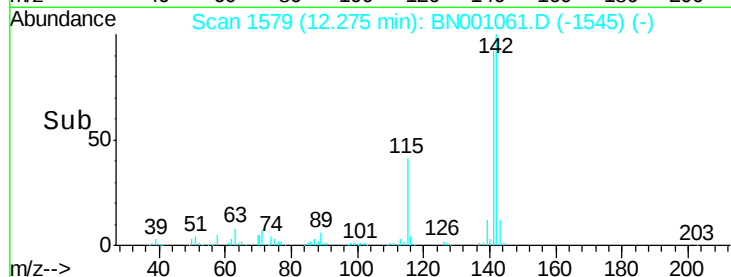
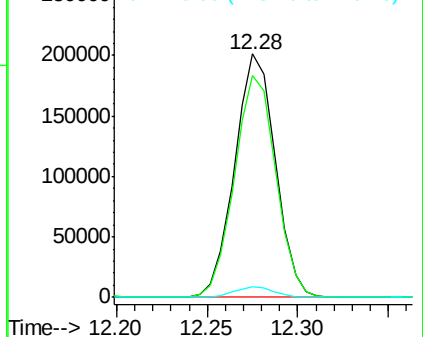
116 4.2 4.2 6.2



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: 20.500 ng/ul

RT: 13.98 min Scan# 1868

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

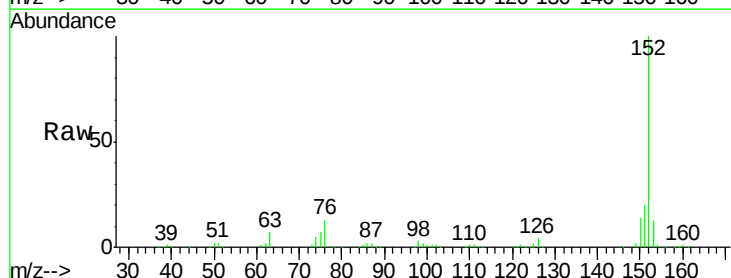
Tgt Ion:152 Resp: 465152

Ion Ratio Lower Upper

152 100

151 19.6 16.7 25.1

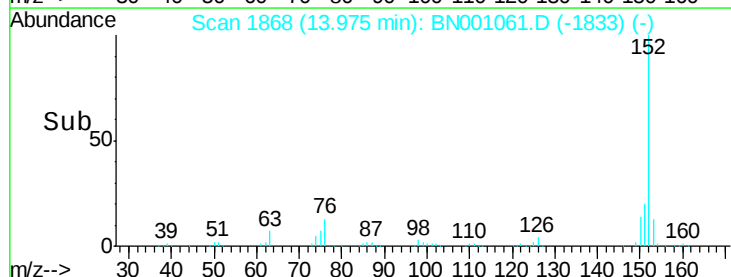
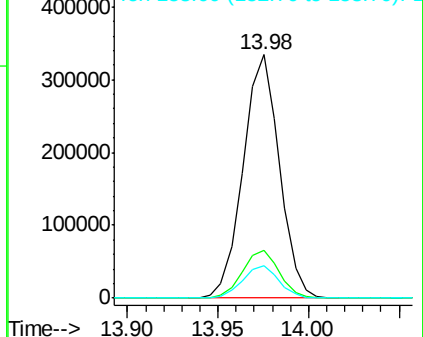
153 13.2 10.2 15.4

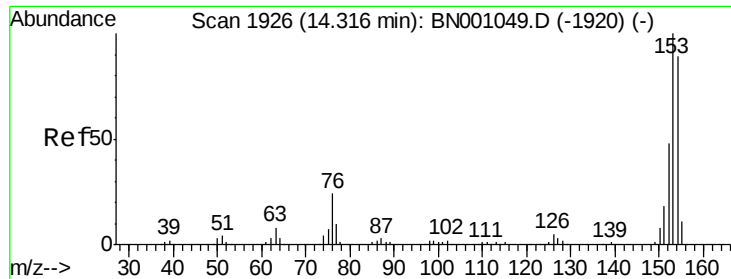


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.435 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Instrument :

BNA_N

ClientSampled :

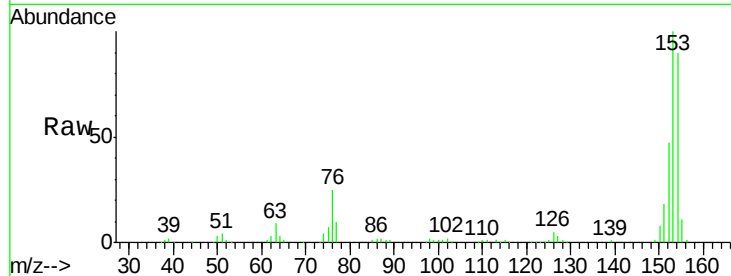
Tot Ion:153 Resp: 320356

Ion Ratio Lower Upper

153 100

152 47.5 39.0 58.6

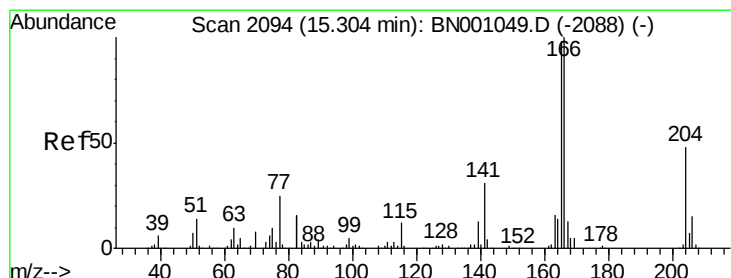
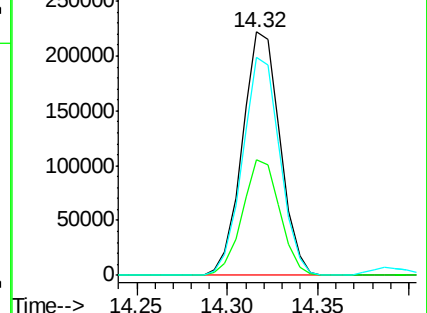
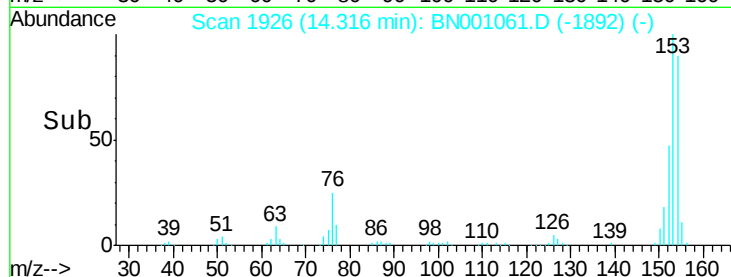
154 89.7 66.8 100.2



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: 20.623 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

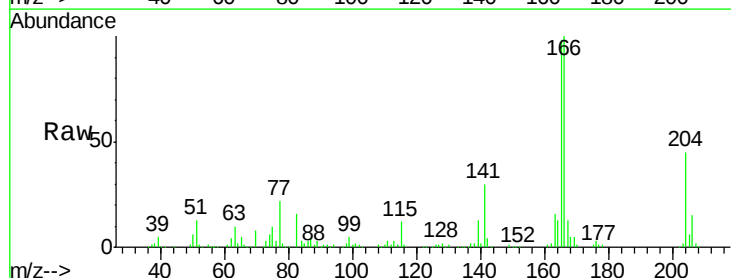
Tgt Ion:166 Resp: 344181

Ion Ratio Lower Upper

166 100

165 97.6 83.8 125.8

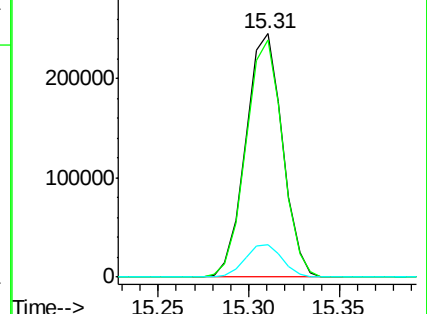
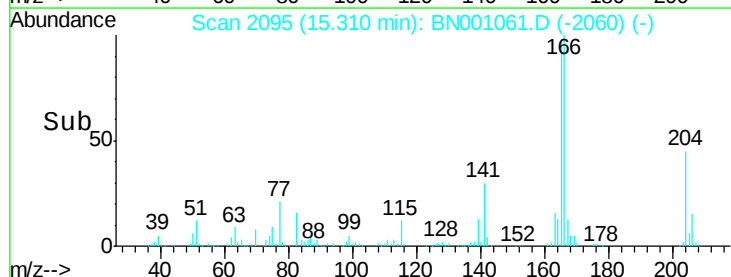
167 13.5 11.5 17.3

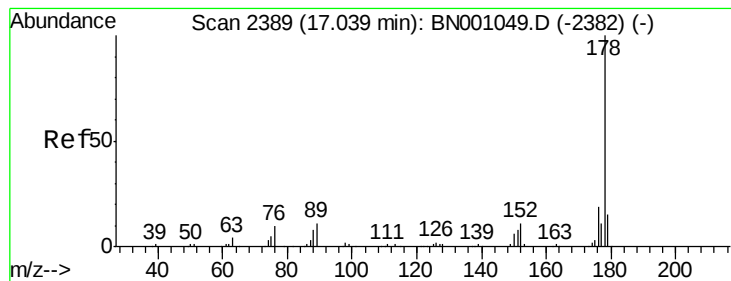


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.020 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

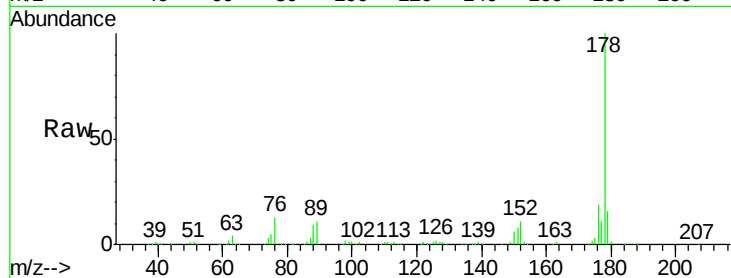
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 523123

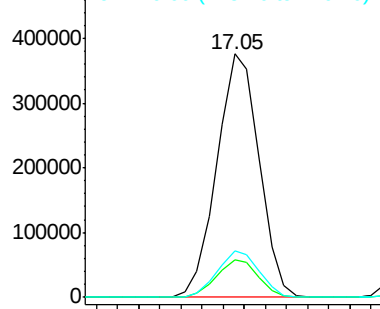
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.1	15.1	22.7



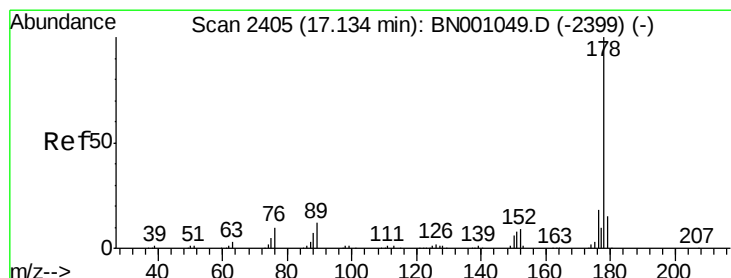
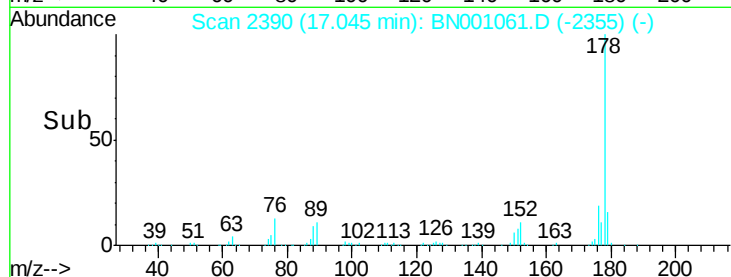
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#15

Anthracene

Concen: 20.455 ng/ul

RT: 17.14 min Scan# 2406

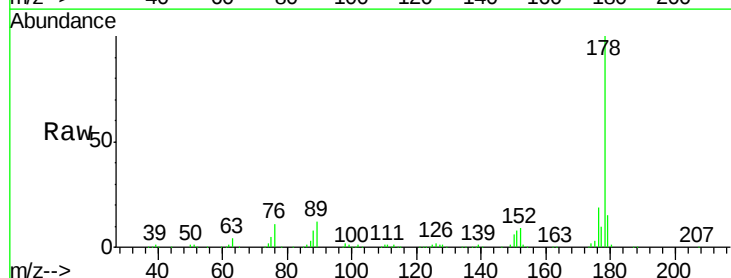
Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Tgt Ion:178 Resp: 536113

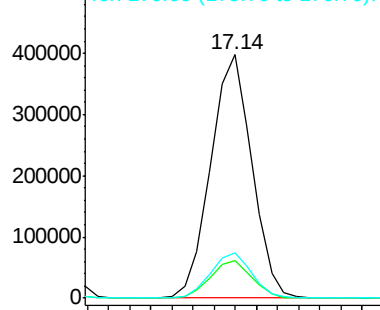
Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.8
176	18.6	15.2	22.8



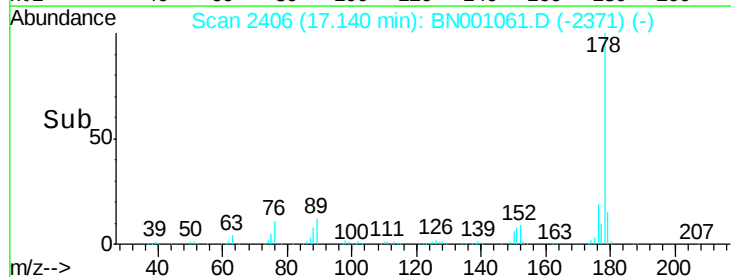
Abundance Ion 178.00 (177.70 to 178.70): E

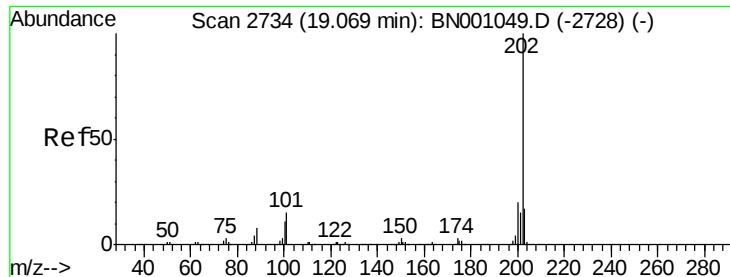
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

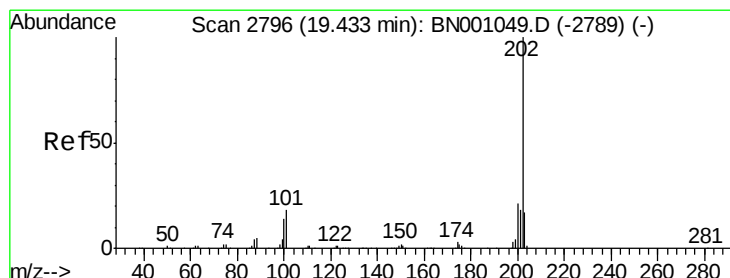
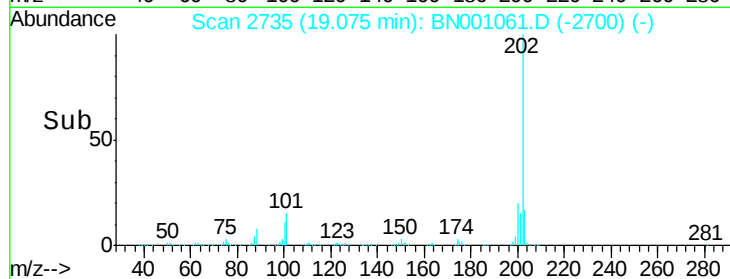
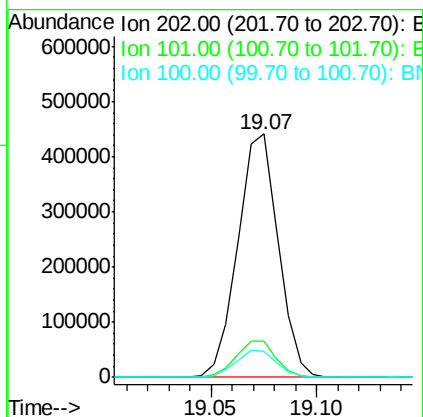
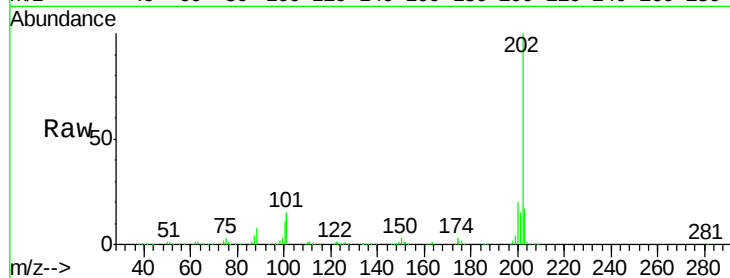




#16
 Fluoranthene
 Concen: 22.139 ng/ul
 RT: 19.07 min Scan# 2735
 Delta R.T. 0.01 min
 Lab File: BN001061.D
 Acq: 02 May 2018 09:40

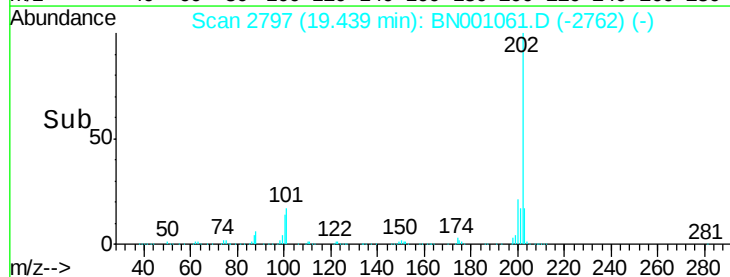
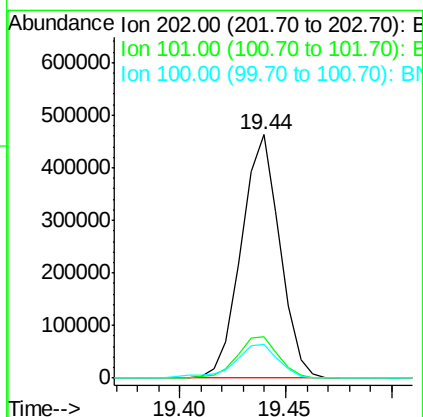
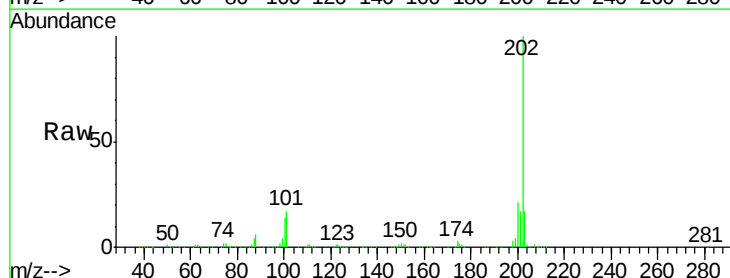
Instrument :
 BNA_N
 ClientSampleId :

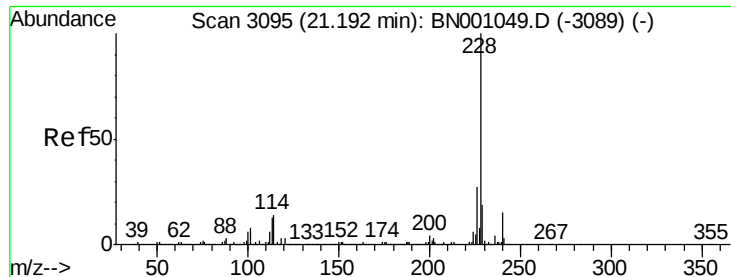
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	9.9	14.9
100	10.8	7.4	11.0



#19
 Pyrene
 Concen: 19.685 ng/ul
 RT: 19.44 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: BN001061.D
 Acq: 02 May 2018 09:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.2	11.0	16.4#
100	14.0	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 20.388 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Instrument :

BNA_N

ClientSampleId :

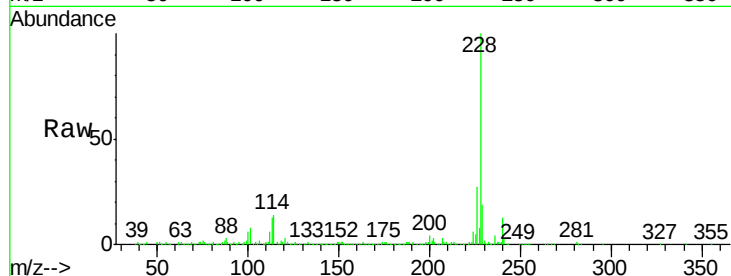
Tot Ion:228 Resp: 560933

Ion Ratio Lower Upper

228 100

229 19.3 15.7 23.5

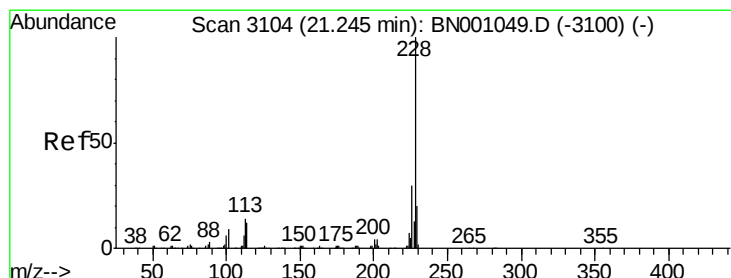
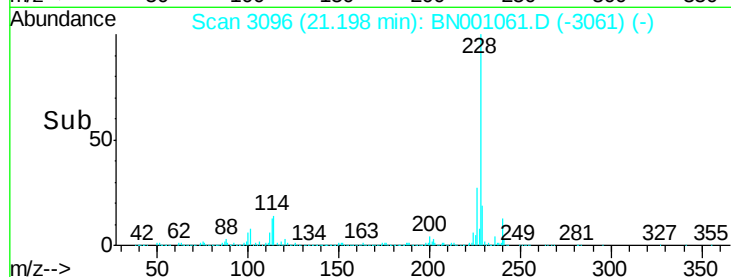
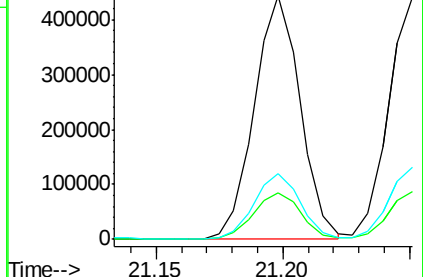
226 27.1 21.1 31.7



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: 20.271 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

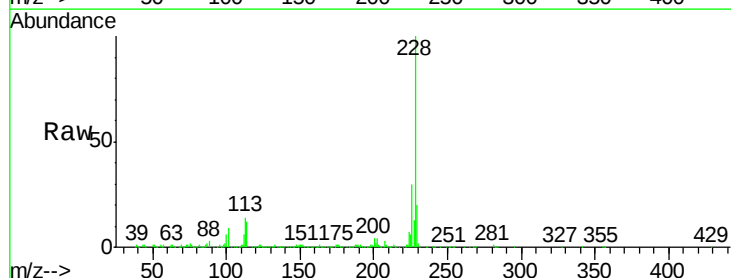
Tgt Ion:228 Resp: 524192

Ion Ratio Lower Upper

228 100

226 29.7 24.5 36.7

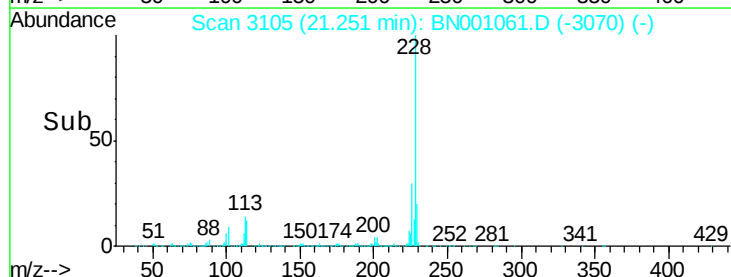
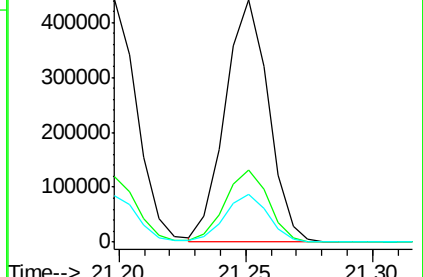
229 19.8 15.8 23.8

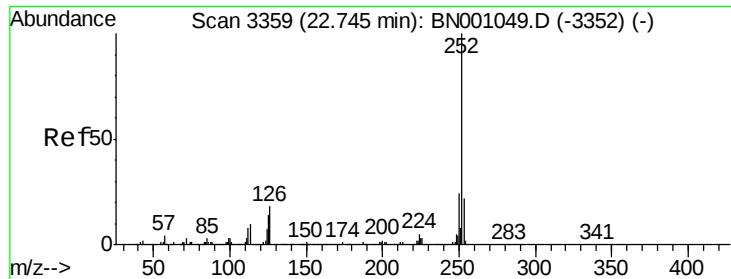


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.388 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Instrument :

BNA_N

ClientSampleId :

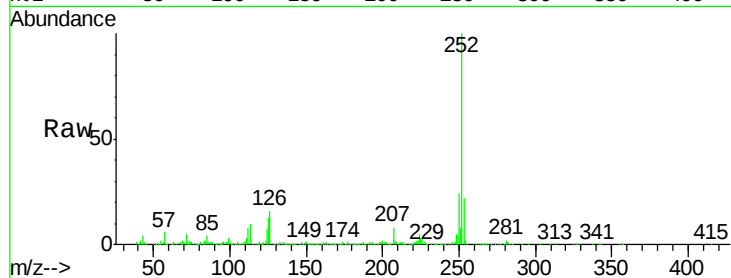
Tot Ion:252 Resp: 539631

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

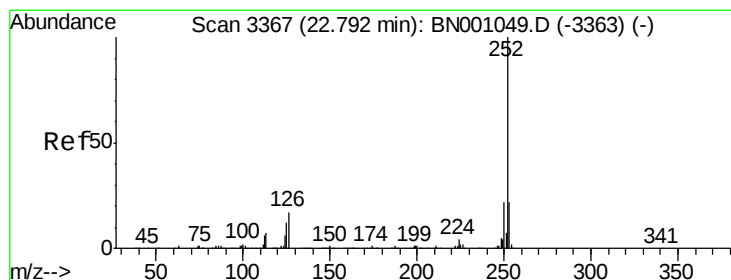
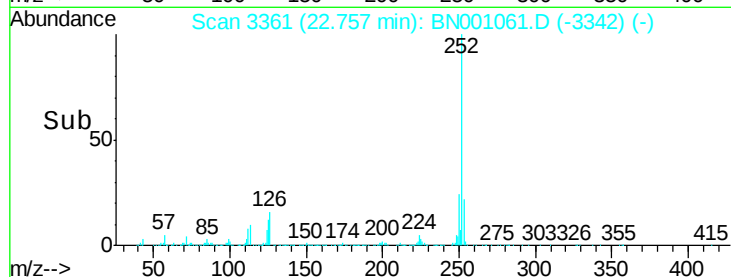
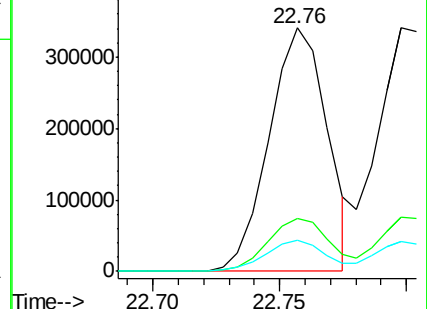
125 12.6 8.0 12.0#



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: 20.537 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

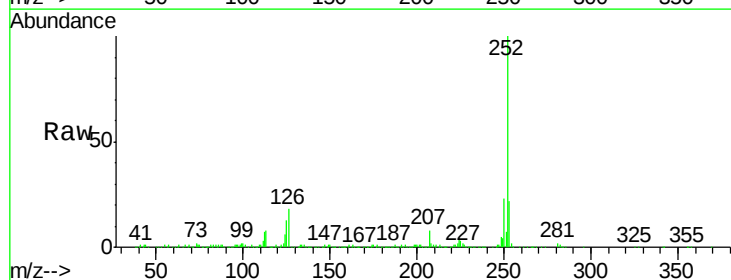
Tgt Ion:252 Resp: 559346

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

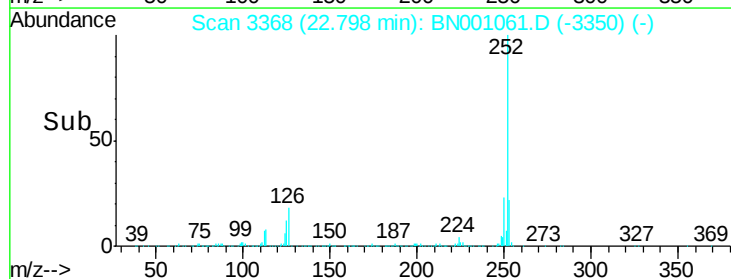
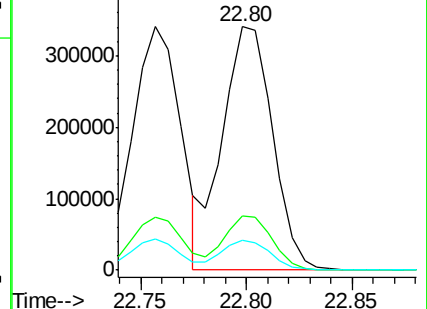
125 12.5 8.1 12.1#

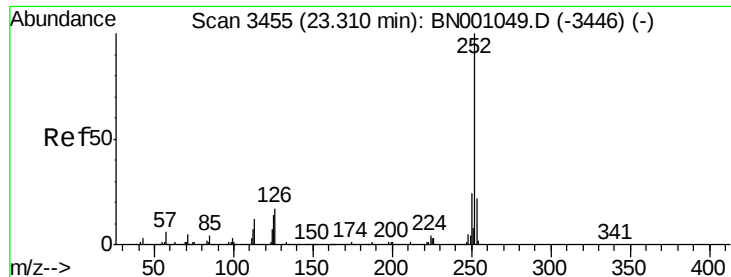


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.023 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Instrument :

BNA_N

ClientSampleId :

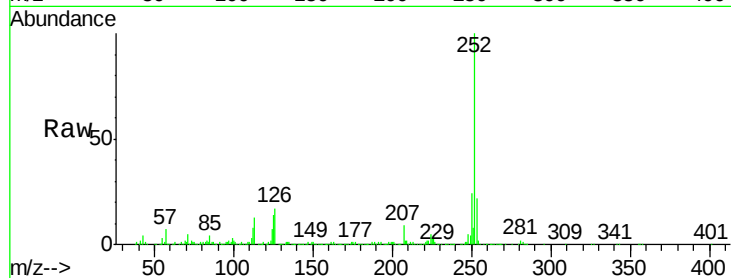
Tot Ion:252 Resp: 532611

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

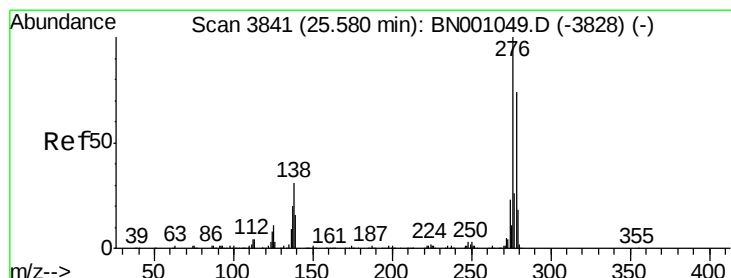
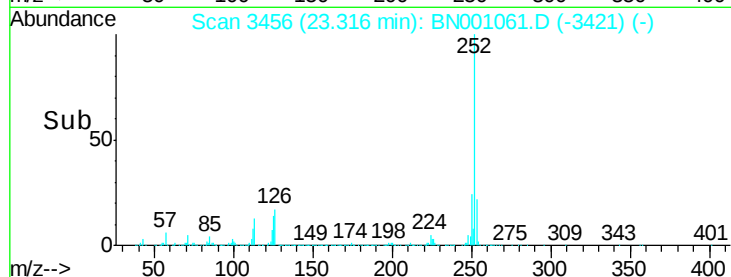
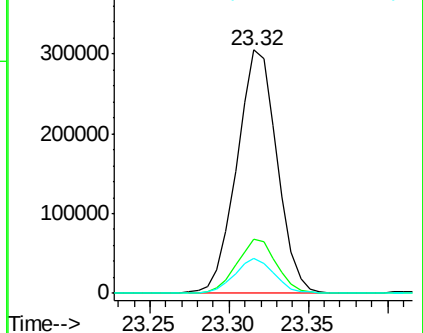
125 14.2 8.2 12.4#



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: 20.251 ng/ul

RT: 25.60 min Scan# 3845

Delta R.T. 0.02 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

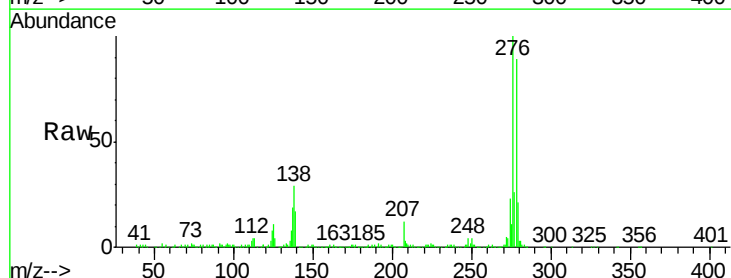
Tgt Ion:276 Resp: 650648

Ion Ratio Lower Upper

276 100

138 28.9 14.4 21.6#

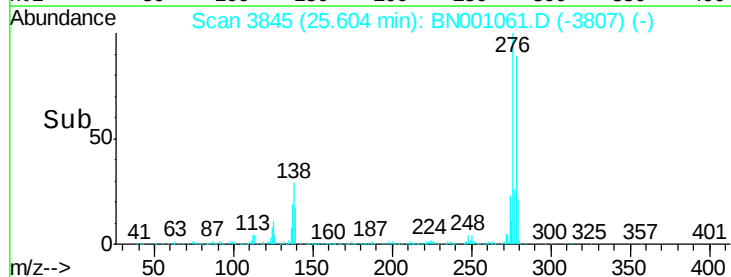
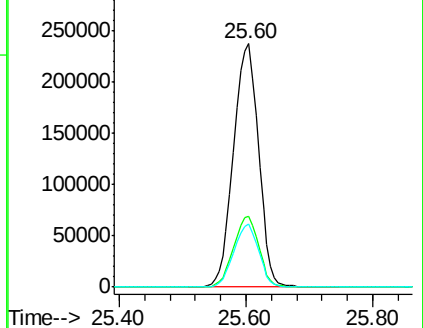
277 25.7 18.0 27.0

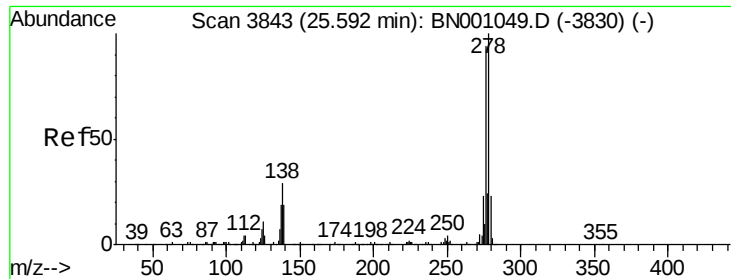


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.234 ng/ul

RT: 25.61 min Scan# 3846

Delta R.T. 0.02 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

Instrument :

BNA_N

ClientSampled :

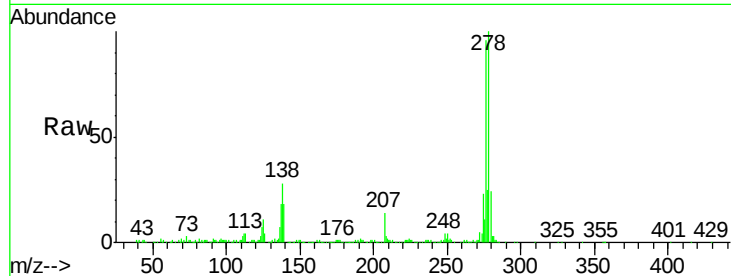
Tot Ion:278 Resp: 541806

Ion Ratio Lower Upper

278 100

139 18.1 12.2 18.4

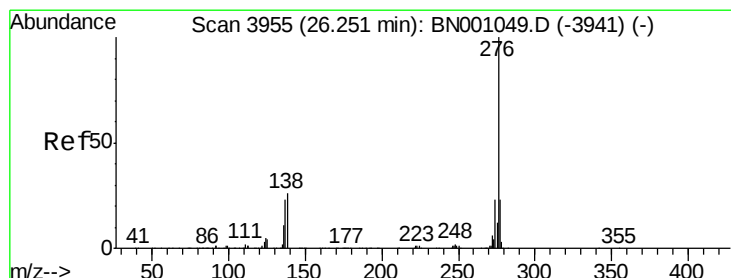
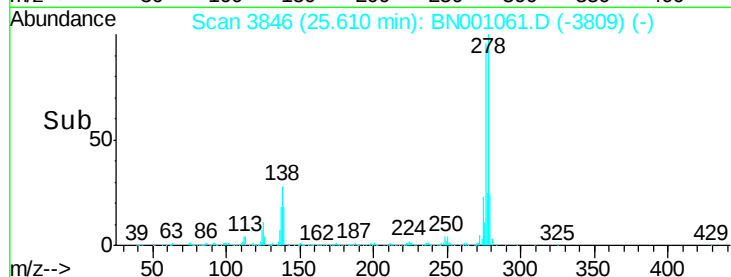
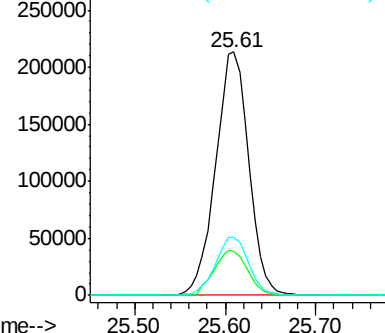
279 23.9 19.2 28.8



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: 20.164 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. 0.02 min

Lab File: BN001061.D

Acq: 02 May 2018 09:40

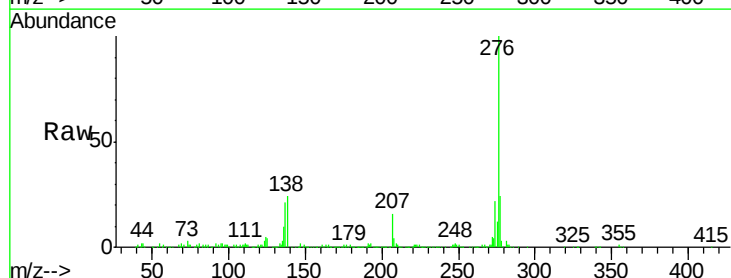
Tgt Ion:276 Resp: 541836

Ion Ratio Lower Upper

276 100

138 24.4 15.3 22.9#

277 23.6 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

