

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000434.D
 Acq On : 16 Mar 2018 01:49
 Operator : JU/SJ
 Sample : J1864-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 06:53:36 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 06:47:18 2018
 Response via : Initial Calibration

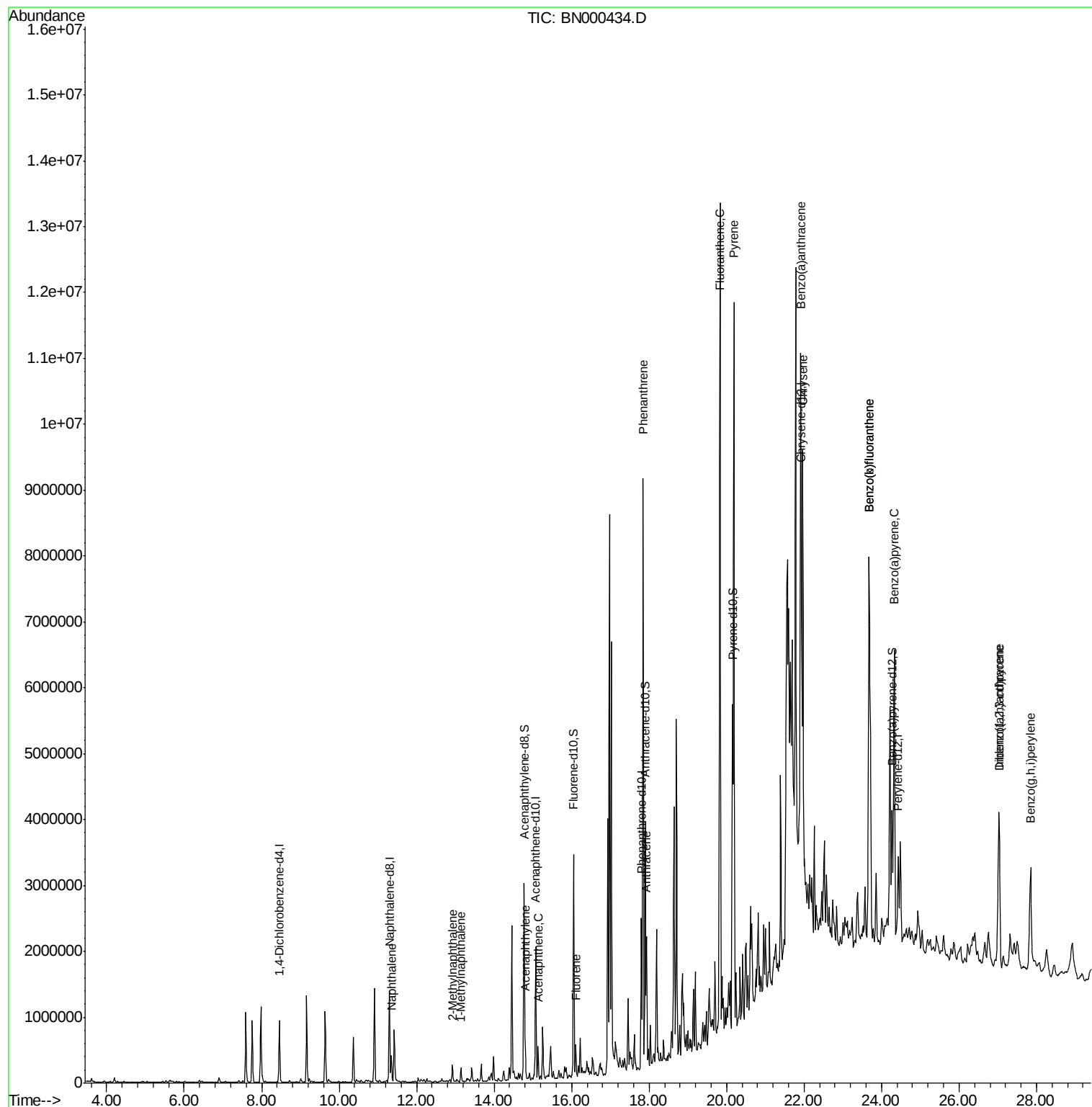
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	257354	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	1172486	20.00	ng/ul	0.01
6) Acenaphthene-d10	15.07	164	635006	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.80	188	1317732	20.00	ng/ul	0.01
17) Chrysene-d12	21.93	240	939241	20.00	ng/ul	0.02
22) Perylene-d12	24.43	264	962269	20.00	ng/ul	0.03
System Monitoring Compounds						
7) Acenaphthylene-d8	14.77	160	1998961	31.72	ng/ul	0.00
10) Fluorene-d10	16.05	176	1278601	29.96	ng/ul	0.00
14) Anthracene-d10	17.90	188	1884184	30.60	ng/ul	0.01
18) Pyrene-d10	20.15	212	1767525	38.47	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.27	264	1355619	30.85	ng/ul	0.03
Target Compounds				Ovalue		
3) Naphthalene	11.35	128	329772	5.330	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	117474	2.697	ng/ul	99
5) 1-Methylnaphthalene	13.14	142	98545	2.255	ng/ul	94
8) Acenaphthylene	14.80	152	381385	6.022	ng/ul	98
9) Acenaphthene	15.14	153	182678	4.144	ng/ul	97
11) Fluorene	16.11	166	221221	4.550	ng/ul	94
13) Phenanthrene	17.85	178	5431443	71.872	ng/ul	97
15) Anthracene	17.93	178	1191800	15.542	ng/ul	98
16) Fluoranthene	19.83	202	8431821	103.266	ng/ul#	93
19) Pyrene	20.19	202	6904480	116.434	ng/ul#	87
20) Benzo(a)anthracene	21.91	228	3773640	64.628	ng/ul	96
21) Chrysene	21.97	228	3941775	71.136	ng/ul	95
23) Benzo(b)fluoranthene	23.68	252	7163876	124.848	ng/ul#	95
24) Benzo(k)fluoranthene	23.68	252	7160197	133.309	ng/ul#	95
26) Benzo(a)pyrene	24.33	252	3218799	58.940	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	27.04	276	2388683	40.567	ng/ul#	87
28) Dibenzo(a,h)anthracene	27.02	278	705225	14.612	ng/ul#	79
29) Benzo(g,h,i)perylene	27.84	276	2000778	40.695	ng/ul#	88

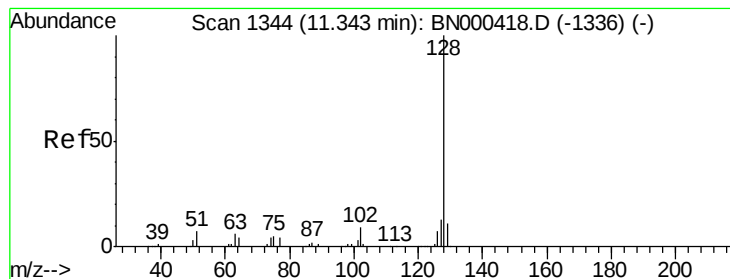
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 5.330 ng/ul

RT: 11.35 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampleId :

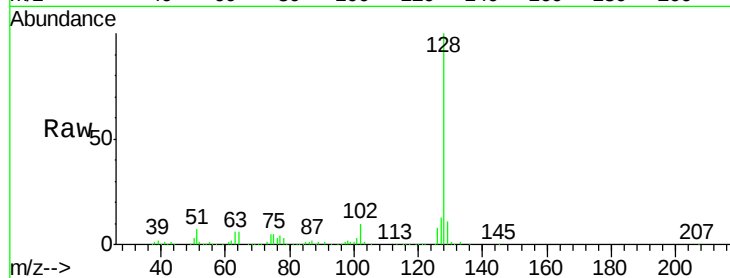
Tot Ion:128 Resp: 329772

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

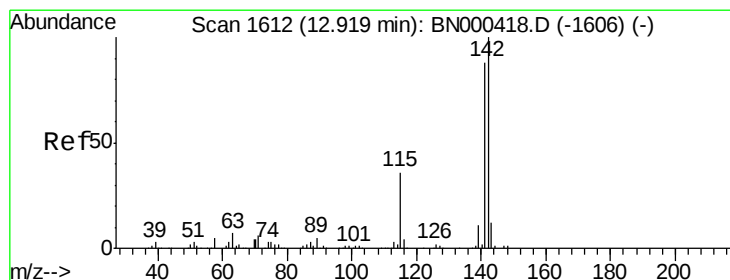
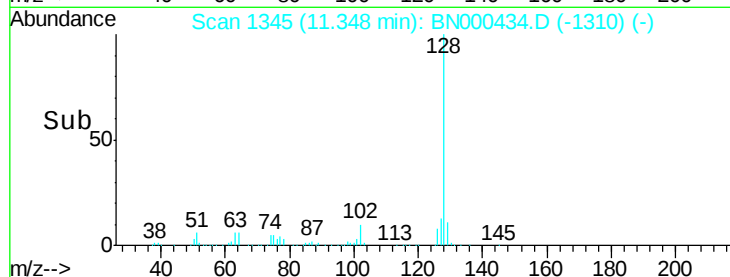
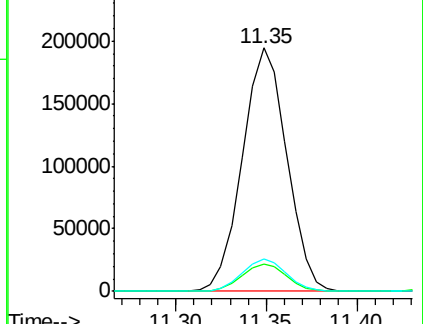
127 13.3 10.6 16.0



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: 2.697 ng/ul

RT: 12.92 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BN000434.D

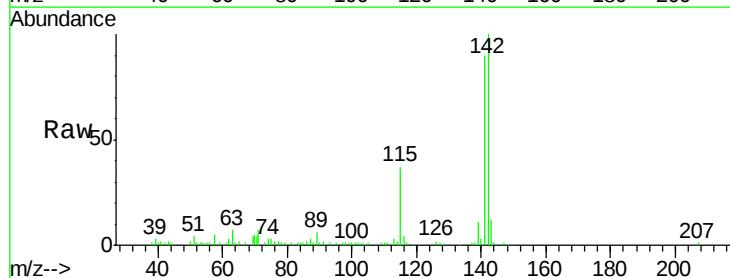
Acq: 16 Mar 2018 01:49

Tgt Ion:142 Resp: 117474

Ion Ratio Lower Upper

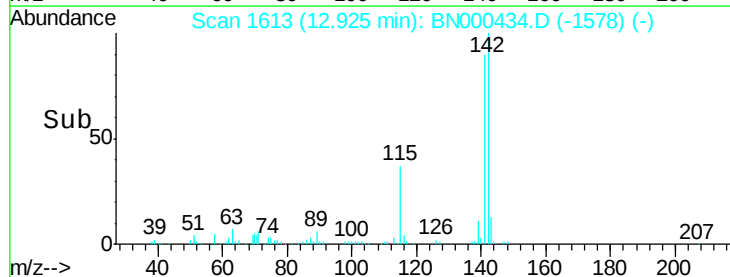
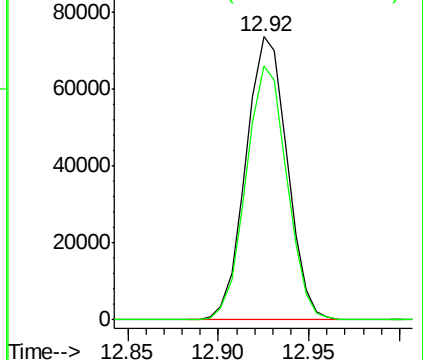
142 100

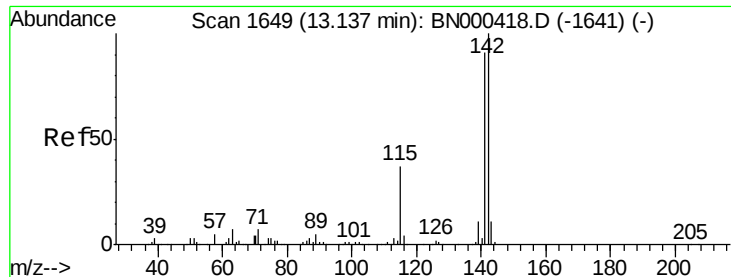
141 89.9 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.255 ng/ul

RT: 13.14 min Scan# 1650

Delta R.T. 0.01 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampleId :

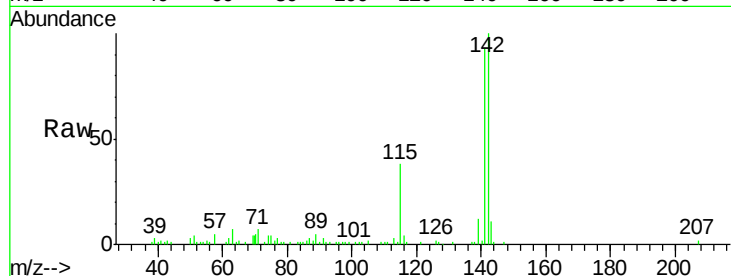
Tot Ion:142 Resp: 98545

Ion Ratio Lower Upper

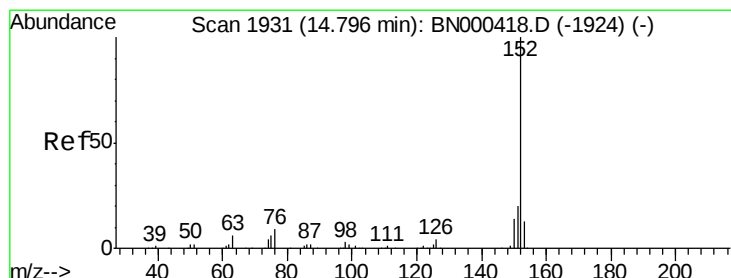
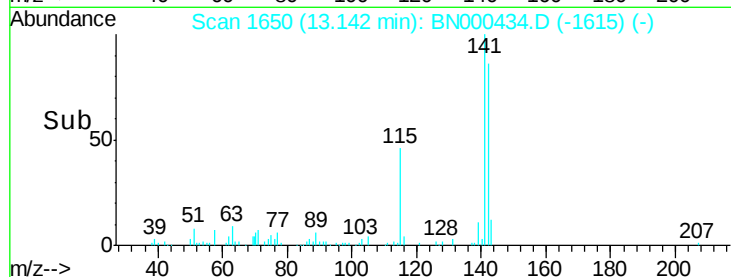
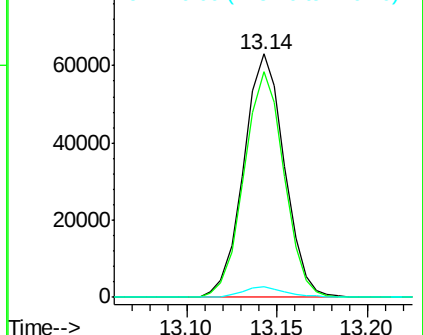
142 100

141 92.8 79.3 118.9

116 4.3 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: 6.022 ng/ul

RT: 14.80 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

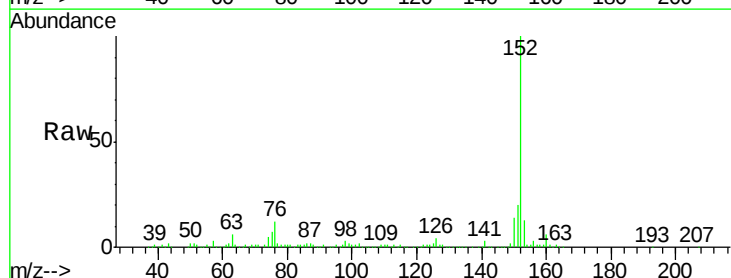
Tgt Ion:152 Resp: 381385

Ion Ratio Lower Upper

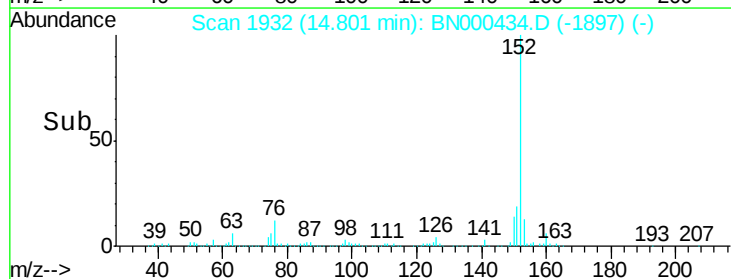
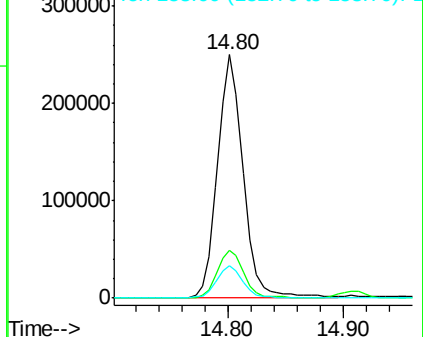
152 100

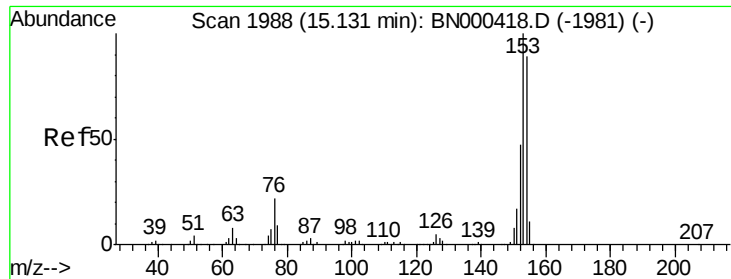
151 19.5 16.7 25.1

153 13.4 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: 4.144 ng/ul

RT: 15.14 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampleId :

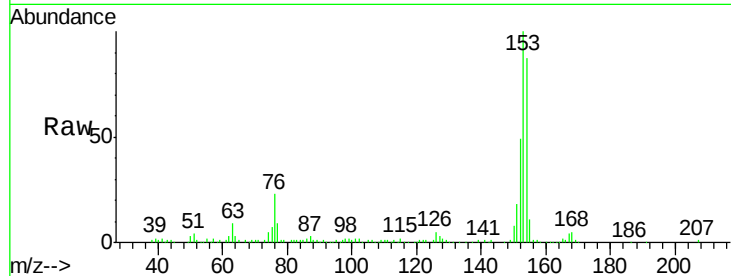
Tot Ion:153 Resp: 182678

Ion Ratio Lower Upper

153 100

152 49.1 39.0 58.6

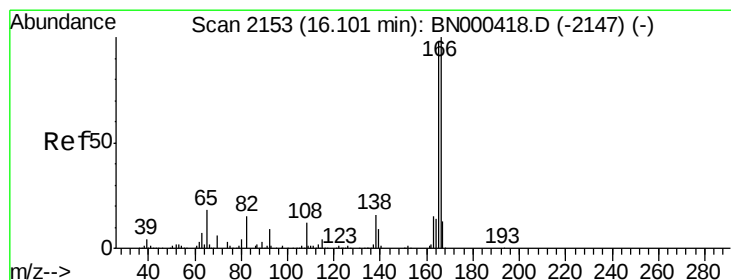
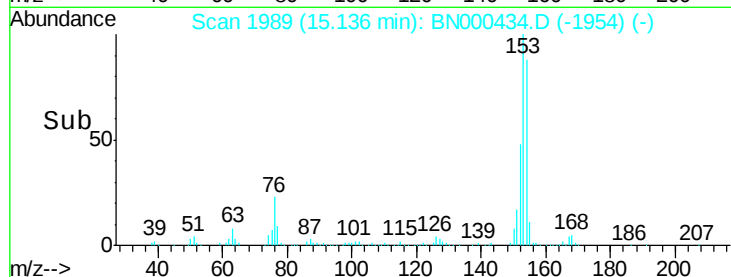
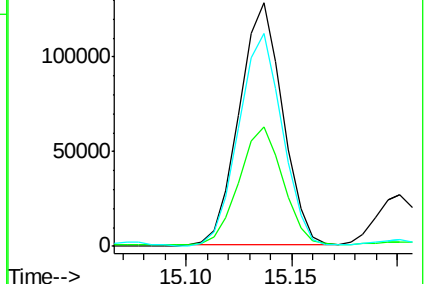
154 87.2 66.8 100.2



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: 4.550 ng/ul

RT: 16.11 min Scan# 2154

Delta R.T. 0.01 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

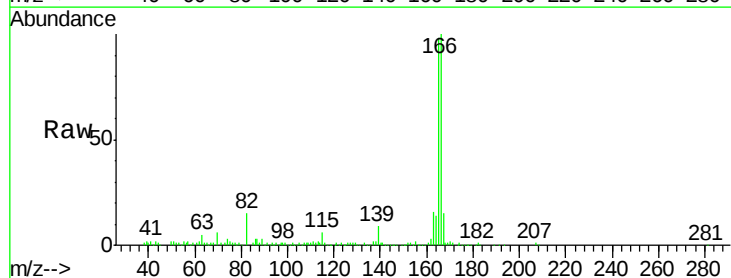
Tgt Ion:166 Resp: 221221

Ion Ratio Lower Upper

166 100

165 98.4 83.8 125.8

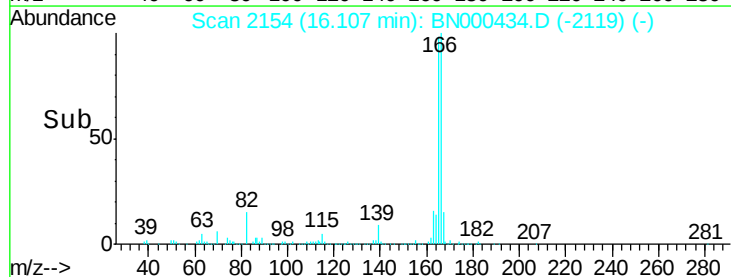
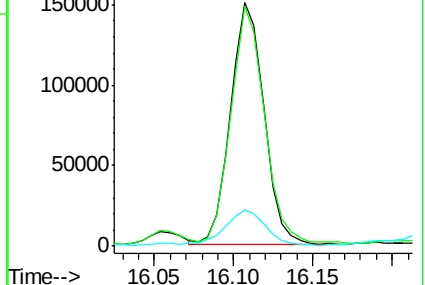
167 14.7 11.5 17.3

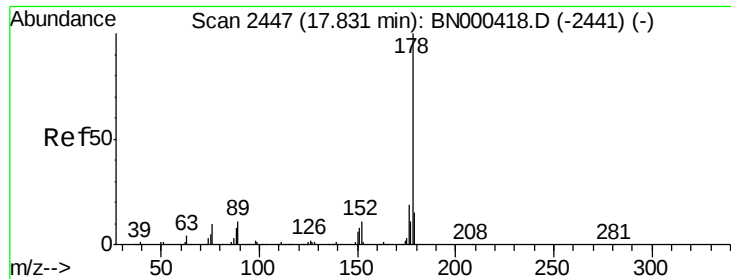


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 71.872 ng/ul

RT: 17.85 min Scan# 2450

Delta R.T. 0.02 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampleId :

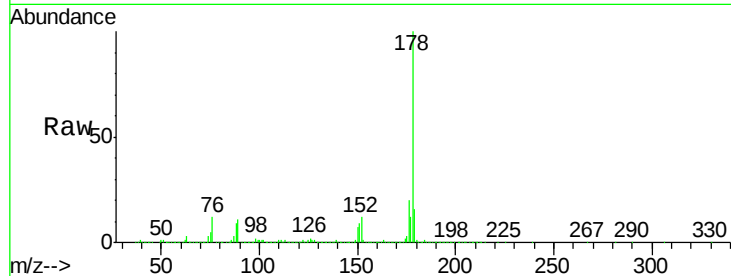
Tot Ion:178 Resp: 5431443

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

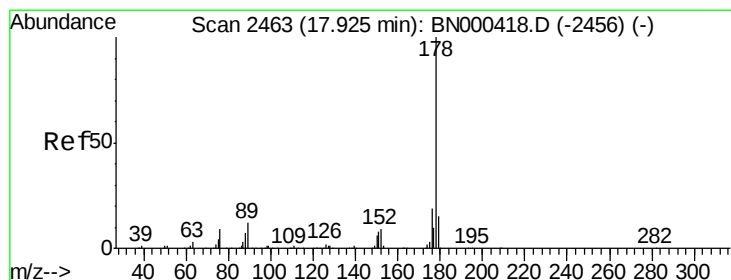
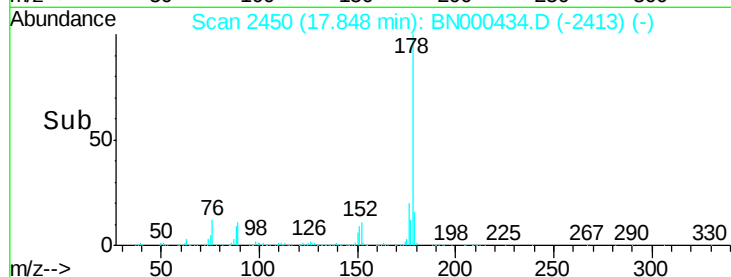
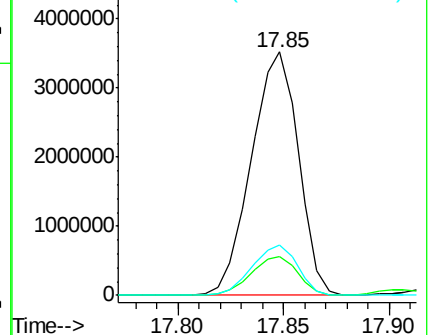
176 20.4 15.1 22.7



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: 15.542 ng/ul

RT: 17.93 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

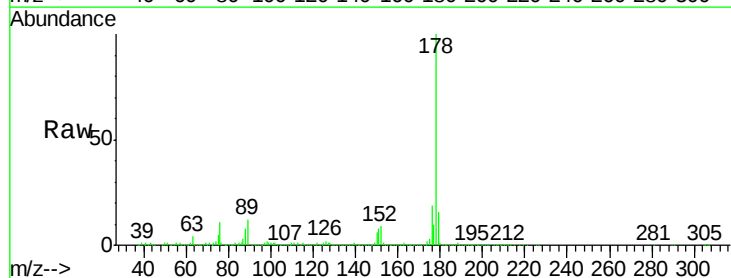
Tgt Ion:178 Resp: 1191800

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

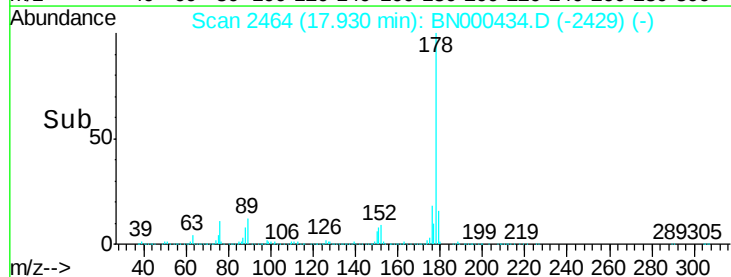
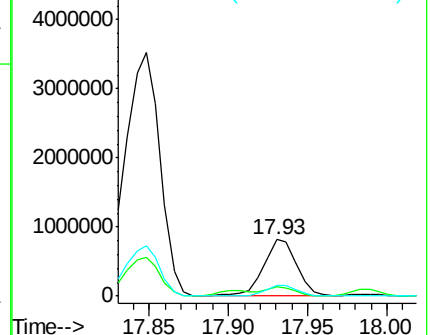
176 18.5 15.2 22.8

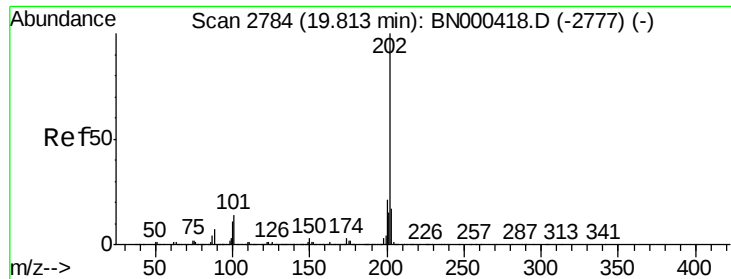


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 103.266 ng/ul

RT: 19.83 min Scan# 2787

Delta R.T. 0.02 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampleId :

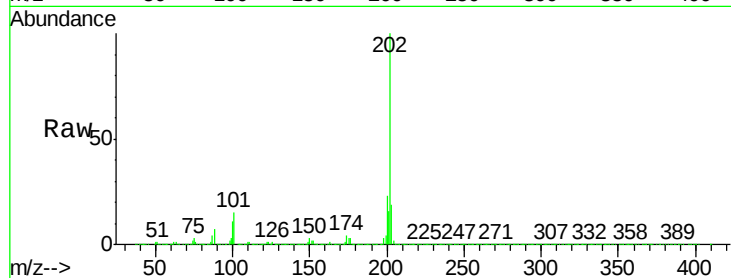
Tot Ion:202 Resp: 8431821

Ion Ratio Lower Upper

202 100

101 15.2 9.9 14.9#

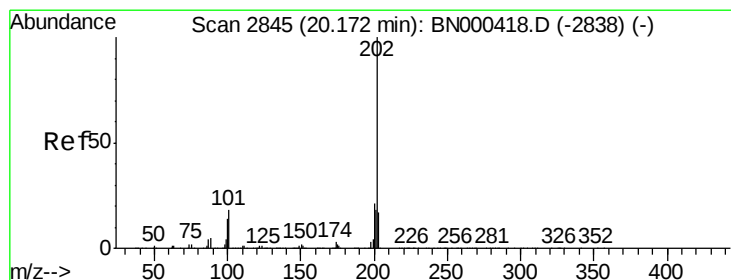
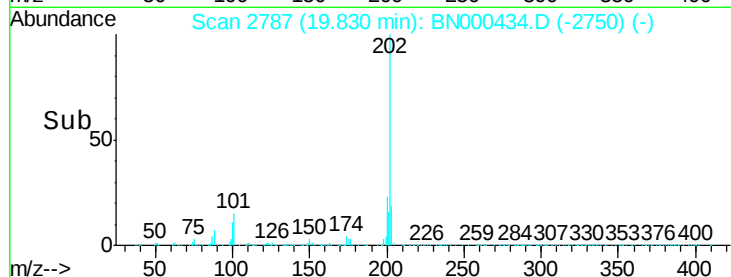
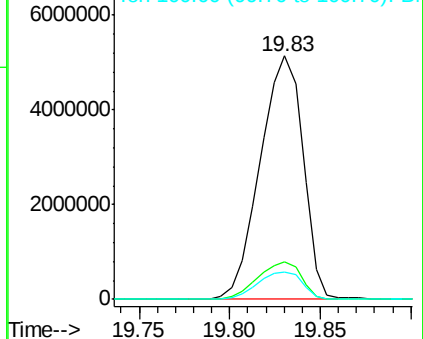
100 11.4 7.4 11.0#



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: 116.434 ng/ul

RT: 20.19 min Scan# 2848

Delta R.T. 0.02 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

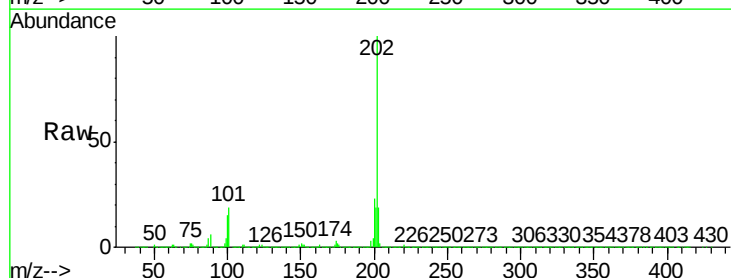
Tgt Ion:202 Resp: 6904480

Ion Ratio Lower Upper

202 100

101 18.5 11.0 16.4#

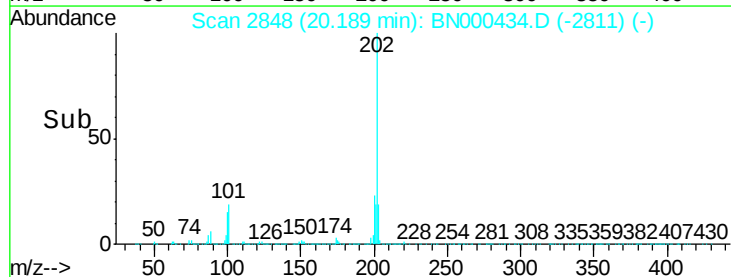
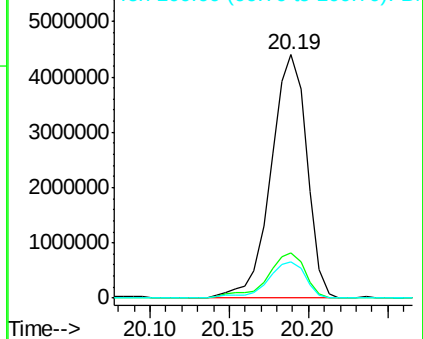
100 15.1 8.1 12.1#

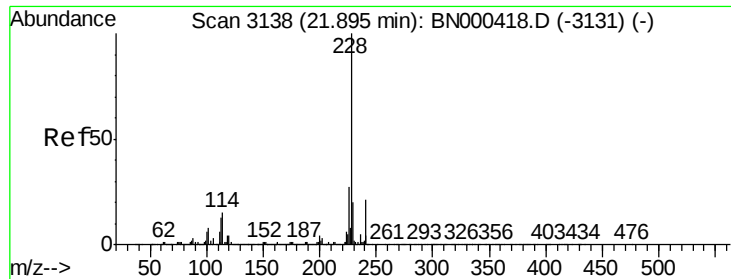


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

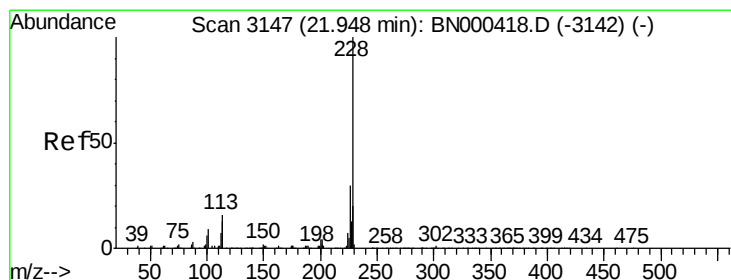
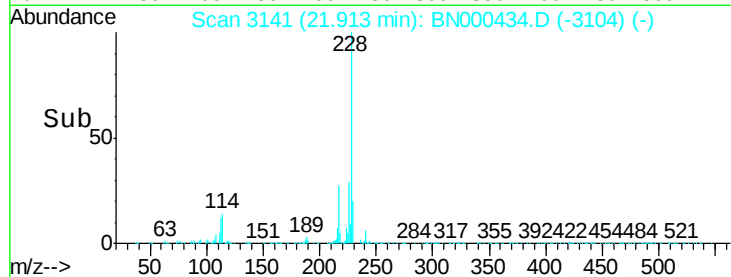
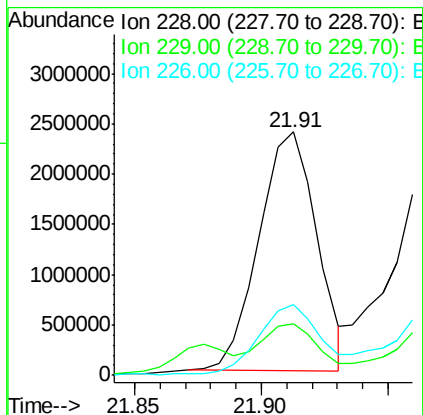
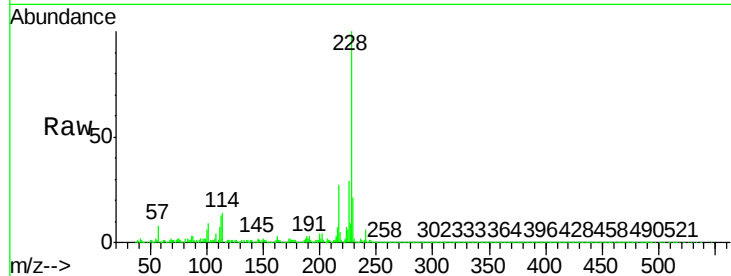




#20
Benzo(a)anthracene
Concen: 64.628 ng/ul
RT: 21.91 min Scan# 3141
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

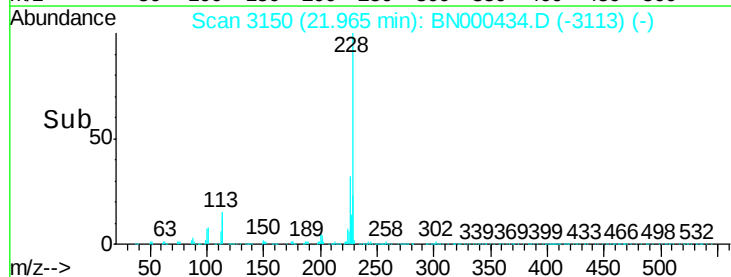
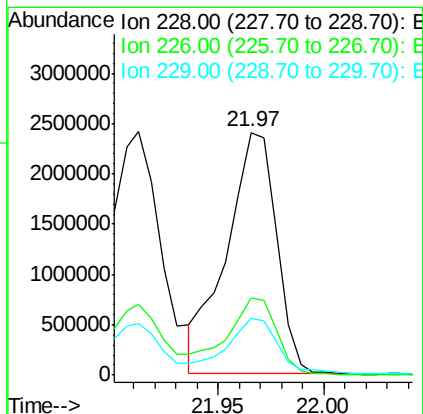
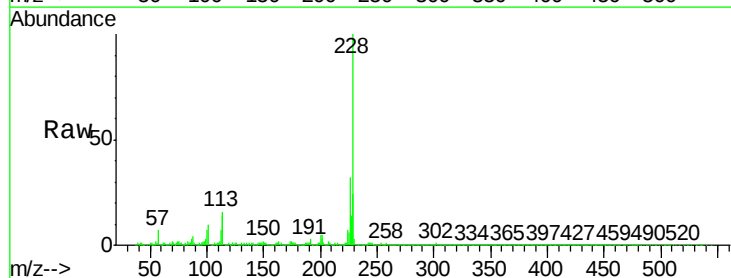
Instrument :
BNA_N
ClientSampleId :

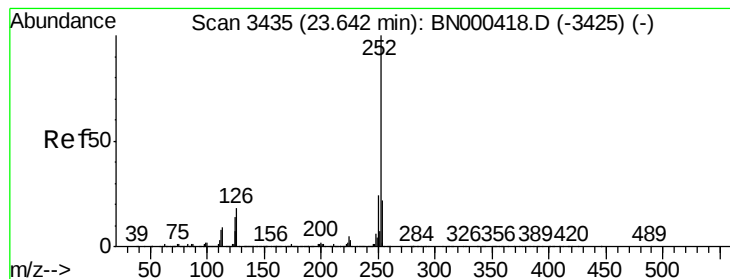
Tot Ion:228 Resp: 3773640
Ion Ratio Lower Upper
228 100
229 21.1 15.7 23.5
226 28.9 21.1 31.7



#21
Chrysene
Concen: 71.136 ng/ul
RT: 21.97 min Scan# 3150
Delta R.T. 0.02 min
Lab File: BN000434.D
Acq: 16 Mar 2018 01:49

Tgt Ion:228 Resp: 3941775
Ion Ratio Lower Upper
228 100
226 32.0 24.5 36.7
229 23.6 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 124.848 ng/ul

RT: 23.68 min Scan# 3441

Delta R.T. 0.04 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampleId :

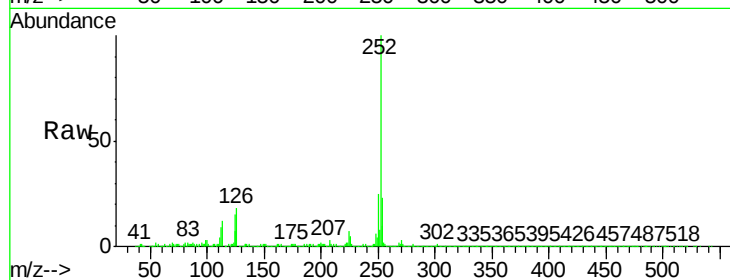
Tot Ion:252 Resp: 7163876

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 14.9 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

2500000

2000000

1500000

1000000

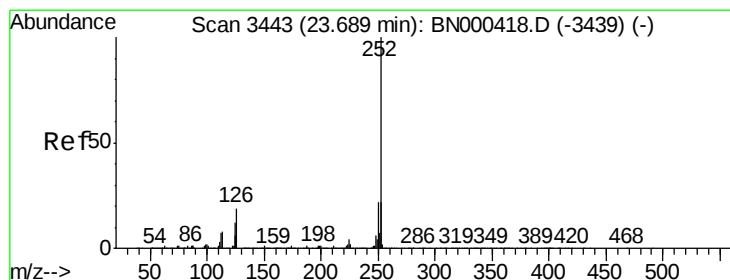
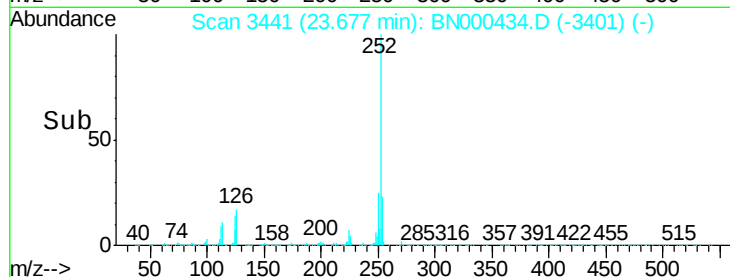
500000

0

23.68

23.60 23.70 23.80

Time-->



#24

Benzo(k)fluoranthene

Concen: 133.309 ng/ul

RT: 23.68 min Scan# 3441

Delta R.T. -0.01 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

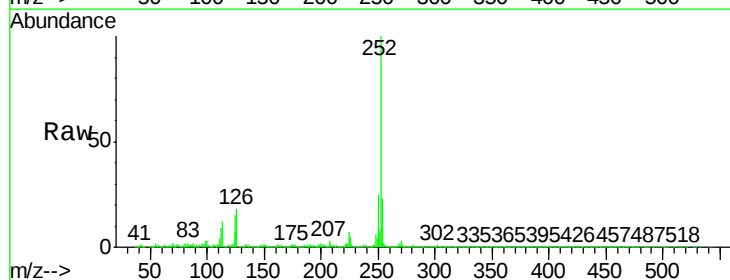
Tgt Ion:252 Resp: 7160197

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 14.9 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

2500000

2000000

1500000

1000000

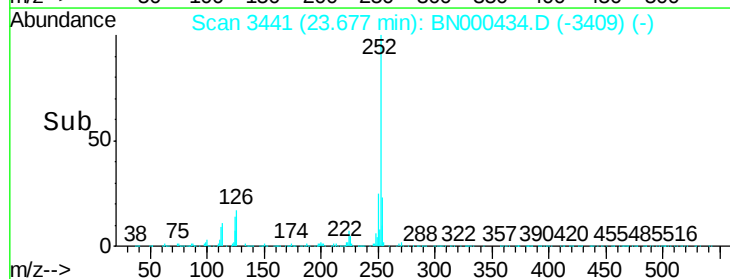
500000

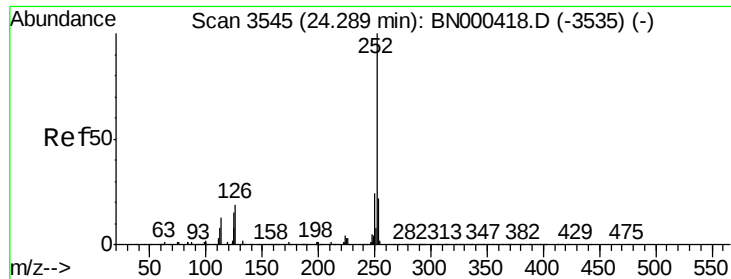
0

23.68

23.60 23.70 23.80

Time-->





#26

Benzo(a)pyrene

Concen: 58.940 ng/ul

RT: 24.33 min Scan# 3552

Delta R.T. 0.04 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampleId :

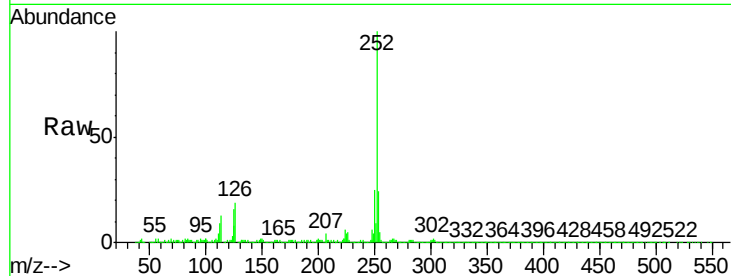
Tot Ion:252 Resp: 3218799

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

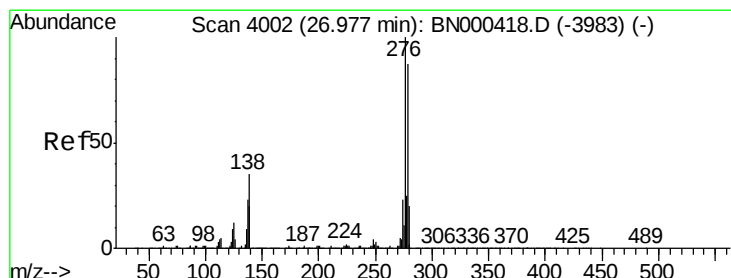
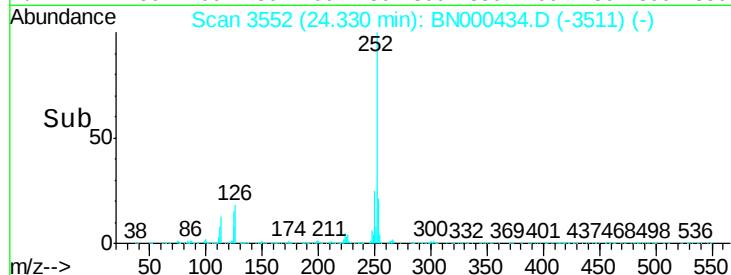
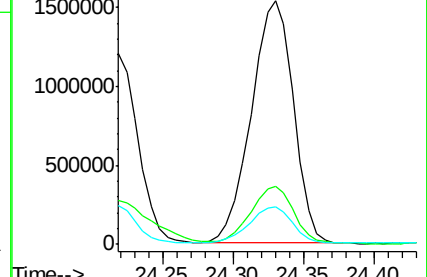
125 15.5 8.2 12.4#



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: 40.567 ng/ul

RT: 27.04 min Scan# 4012

Delta R.T. 0.06 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

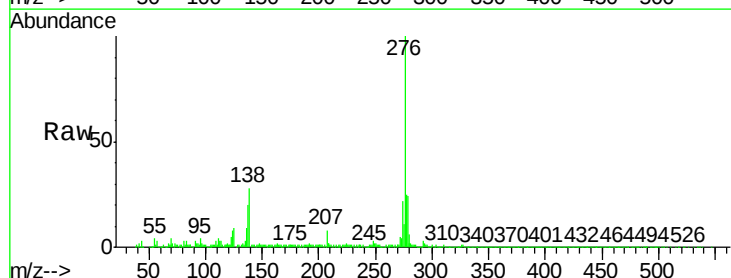
Tgt Ion:276 Resp: 2388683

Ion Ratio Lower Upper

276 100

138 28.1 14.4 21.6#

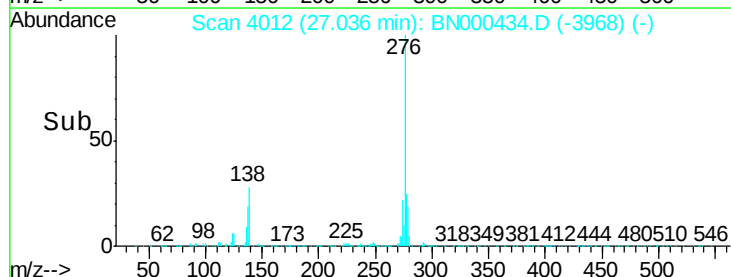
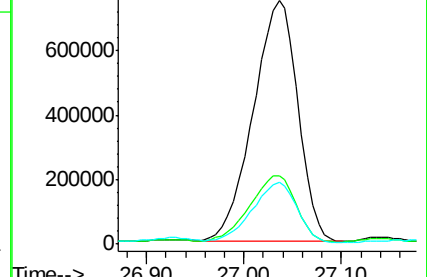
277 25.2 18.0 27.0

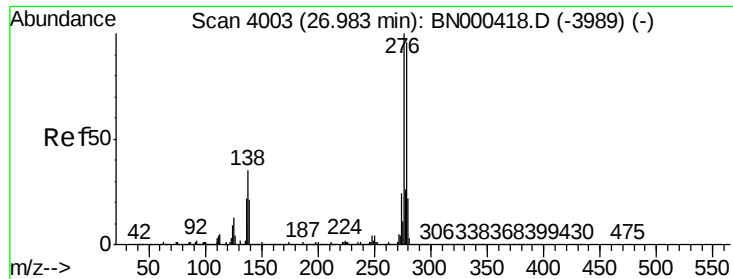


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 14.612 ng/ul

RT: 27.02 min Scan# 4010

Delta R.T. 0.04 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

Instrument :

BNA_N

ClientSampled :

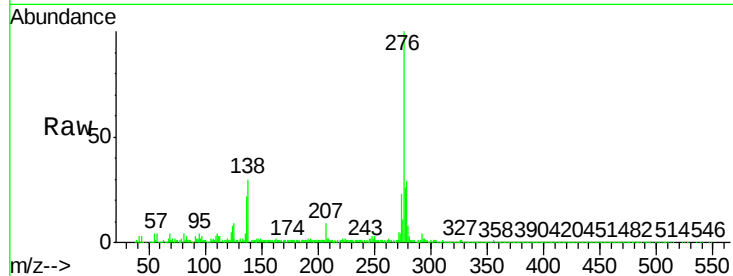
Tot Ion:278 Resp: 705225

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

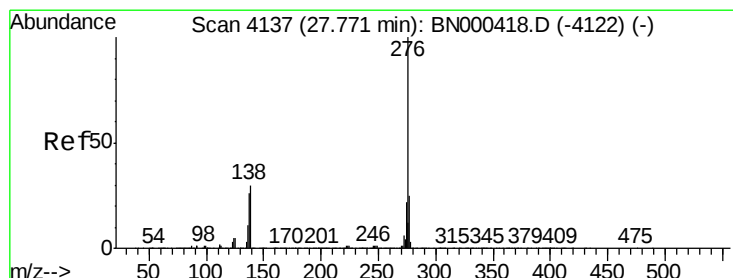
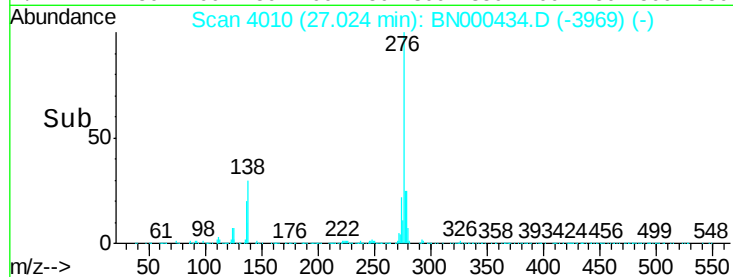
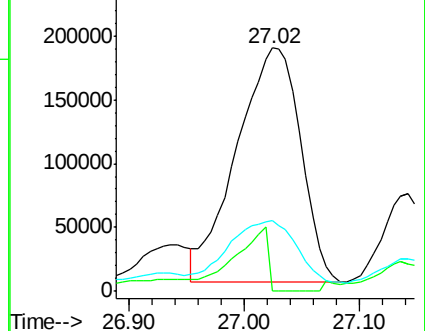
279 29.2 19.2 28.8#



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: 40.695 ng/ul

RT: 27.84 min Scan# 4149

Delta R.T. 0.07 min

Lab File: BN000434.D

Acq: 16 Mar 2018 01:49

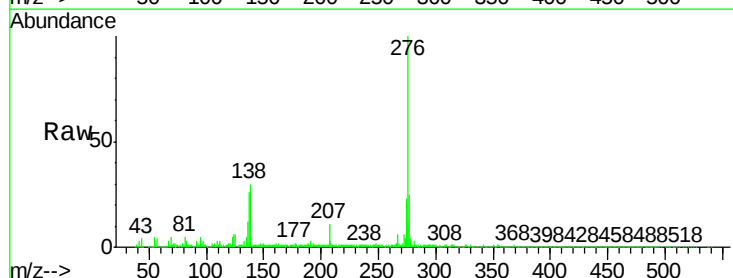
Tgt Ion:276 Resp: 2000778

Ion Ratio Lower Upper

276 100

138 30.0 15.3 22.9#

277 24.6 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

