

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042418\
 Data File : BN000870.D
 Acq On : 25 Apr 2018 02:38
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 25 07:55:46 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 07:49:48 2018
 Response via : Initial Calibration

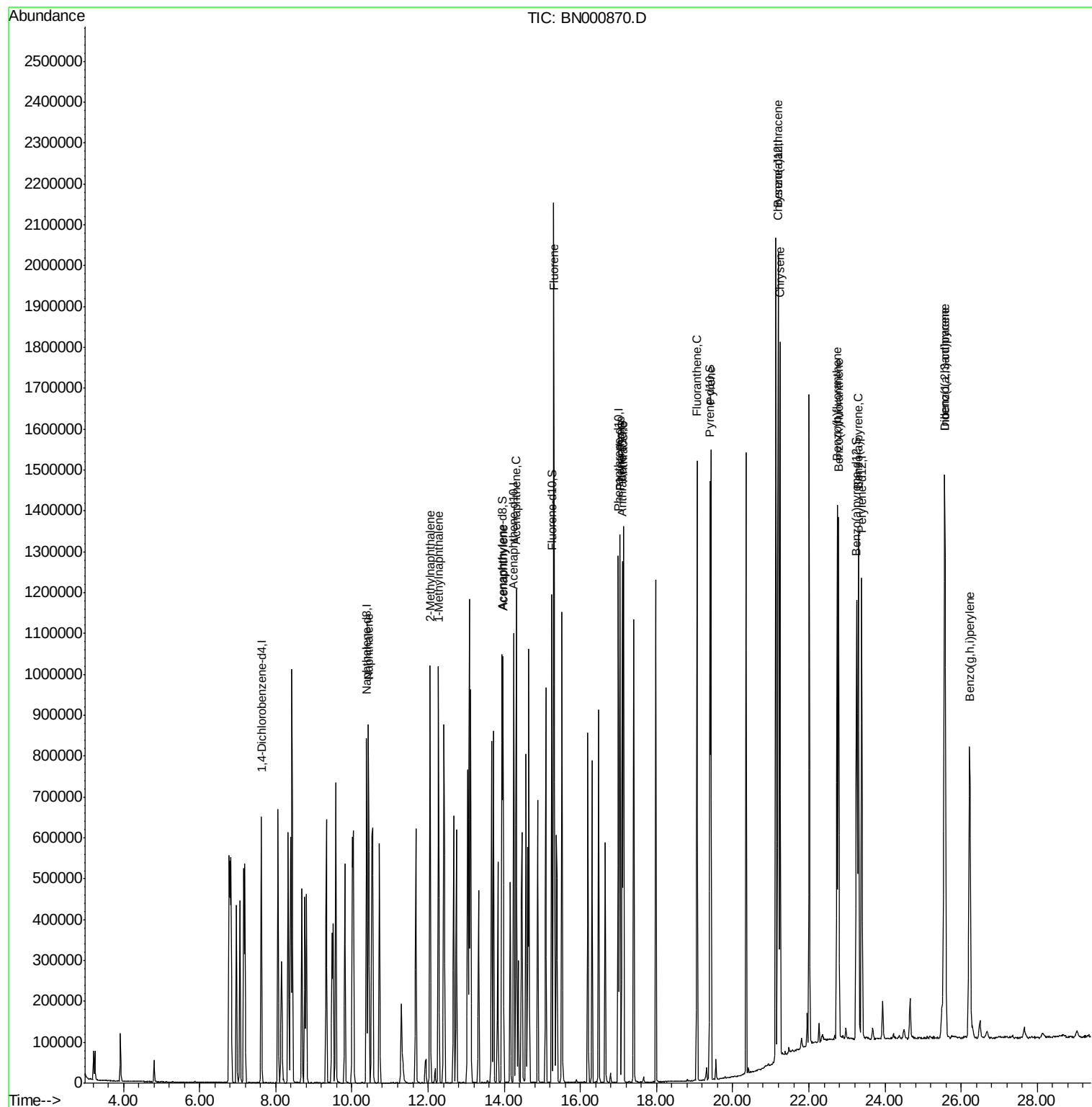
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	161979	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	672574	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	342818	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	676988	20.00	ng/ul	0.00
17) Chrysene-d12	21.20	240	643559	20.00	ng/ul	0.00
22) Perylene-d12	23.39	264	675080	20.00	ng/ul	-0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	13.94	160	693427	21.06	ng/ul	0.00
10) Fluorene-d10	15.25	176	448645	20.42	ng/ul	0.00
14) Anthracene-d10	17.10	188	648369	20.94	ng/ul	0.00
18) Pyrene-d10	19.40	212	665742	20.19	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.25	264	670570	21.03	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	687931	20.295	ng/ul	100
4) 2-Methylnaphthalene	12.05	142	458163	20.258	ng/ul	100
5) 1-Methylnaphthalene	12.27	142	449050	20.243	ng/ul#	94
8) Acenaphthylene	13.97	152	670059	20.563	ng/ul	99
9) Acenaphthene	14.32	153	457074	20.301	ng/ul	96
11) Fluorene	15.30	166	492299	20.540	ng/ul	94
13) Phenanthrene	17.04	178	751513	20.353	ng/ul	99
15) Anthracene	17.13	178	772884	20.869	ng/ul	99
16) Fluoranthene	19.06	202	819120	21.866	ng/ul#	92
19) Pyrene	19.43	202	821057	19.863	ng/ul#	88
20) Benzo(a)anthracene	21.19	228	797521	20.731	ng/ul	99
21) Chrysene	21.24	228	740114	20.469	ng/ul	98
23) Benzo(b)fluoranthene	22.74	252	762196	19.867	ng/ul#	96
24) Benzo(k)fluoranthene	22.79	252	798890	21.280	ng/ul#	97
26) Benzo(a)pyrene	23.30	252	767421	20.931	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	25.56	276	924351	20.873	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.57	278	767012	20.781	ng/ul#	96
29) Benzo(a,h,i)perylene	26.22	276	772049	20.844	ng/ul#	92

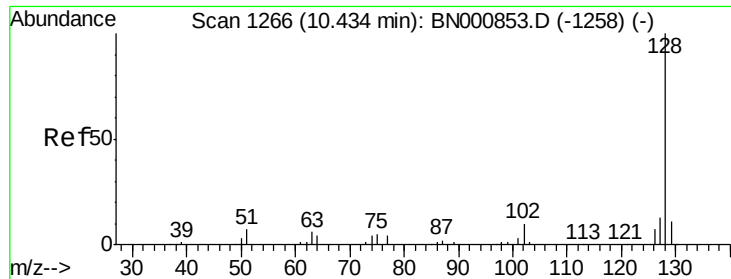
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042418\
Data File : BN000870.D
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Apr 25 07:55:46 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 25 07:49:48 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 20.295 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

Instrument :

BNA_N

ClientSampleId :

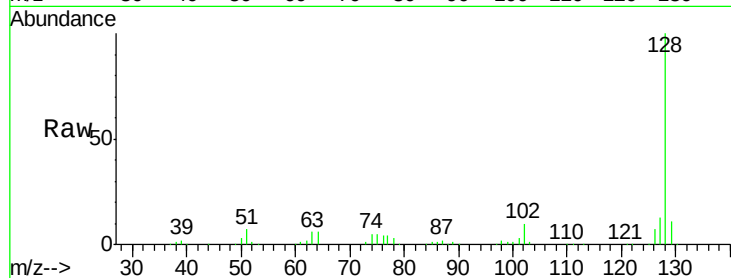
Tot Ion:128 Resp: 687931

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

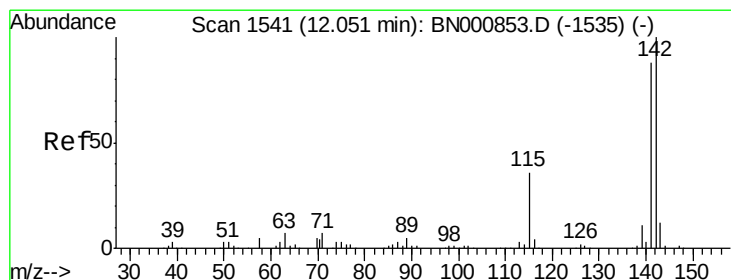
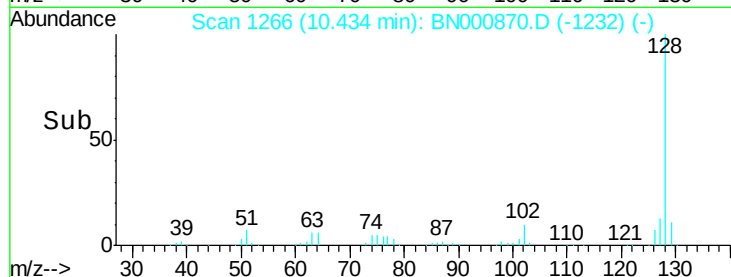
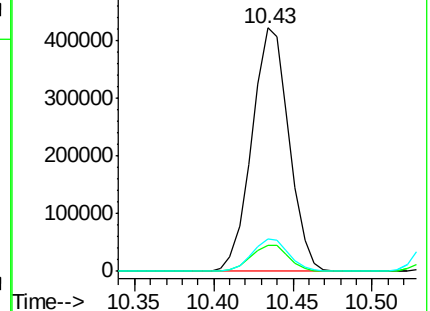
127 13.3 10.6 16.0



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: 20.258 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BN000870.D

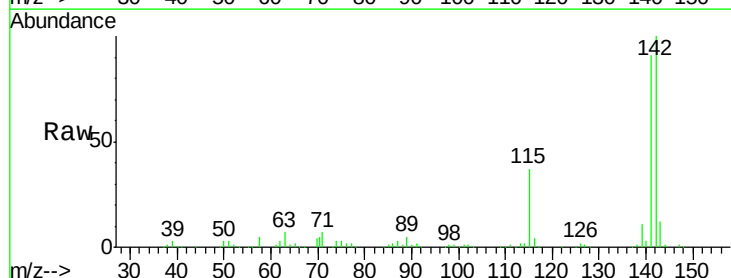
Acq: 25 Apr 2018 02:38

Tgt Ion:142 Resp: 458163

Ion Ratio Lower Upper

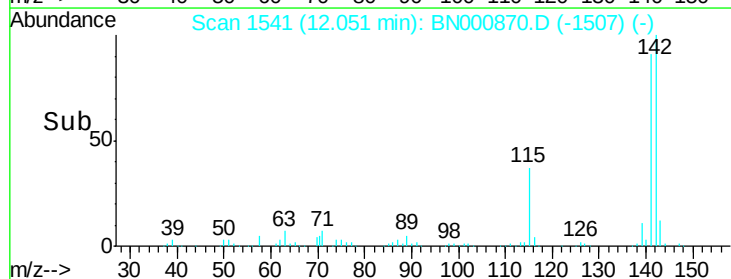
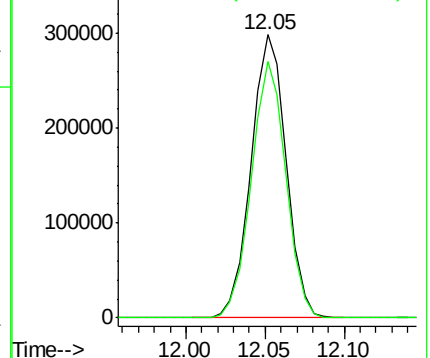
142 100

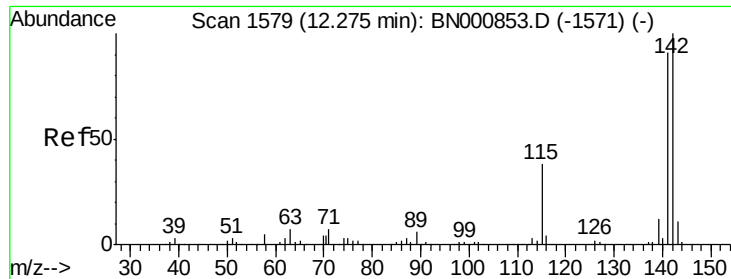
141 90.7 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.243 ng/ul

RT: 12.27 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

Instrument :

BNA_N

ClientSampleId :

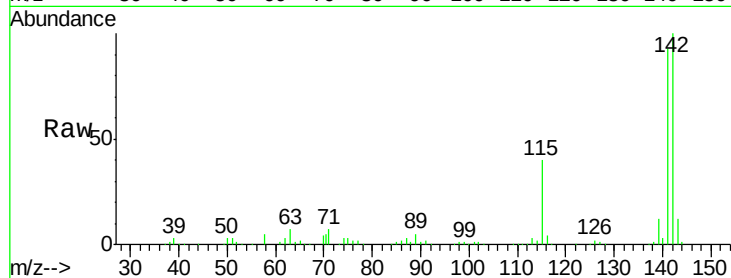
Tot Ion:142 Resp: 449050

Ion Ratio Lower Upper

142 100

141 93.0 79.3 118.9

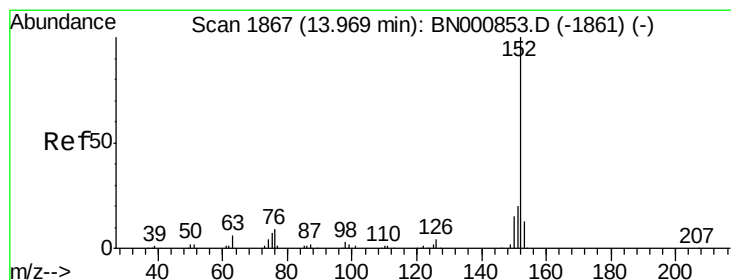
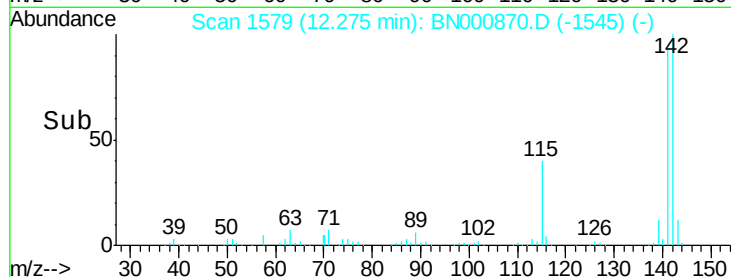
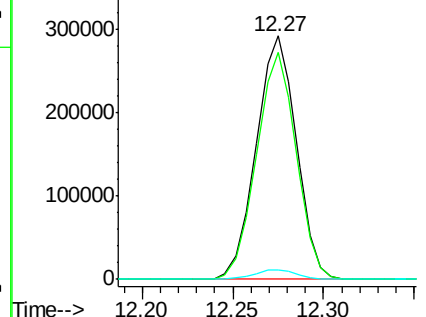
116 4.0 4.2 6.2#



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: 20.563 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

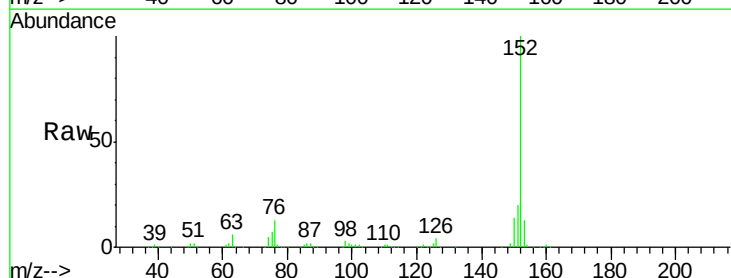
Tgt Ion:152 Resp: 670059

Ion Ratio Lower Upper

152 100

151 20.3 16.7 25.1

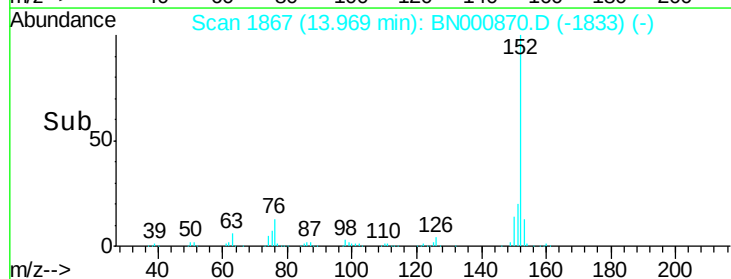
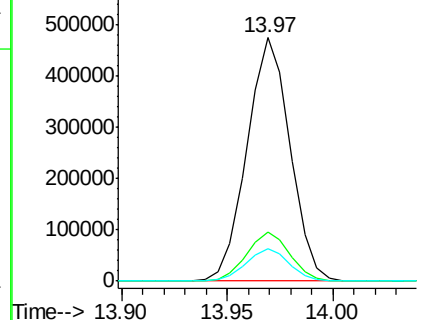
153 13.1 10.2 15.4

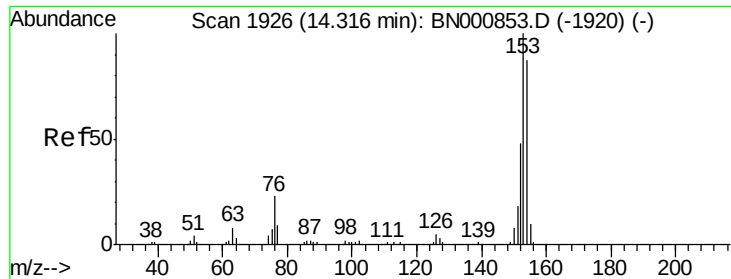


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.301 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

Instrument :

BNA_N

ClientSampleId :

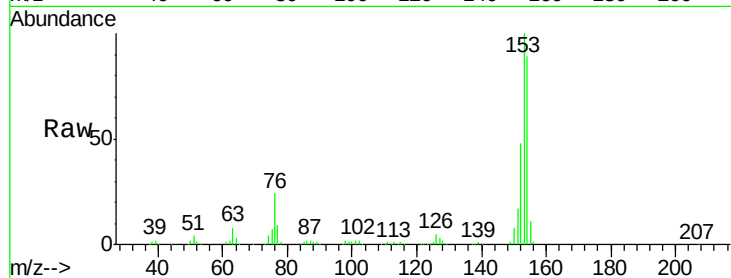
Tot Ion:153 Resp: 457074

Ion Ratio Lower Upper

153 100

152 47.7 39.0 58.6

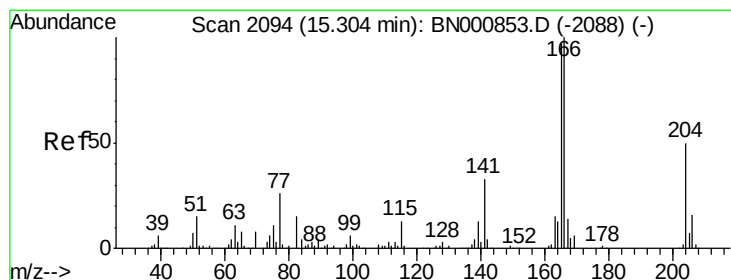
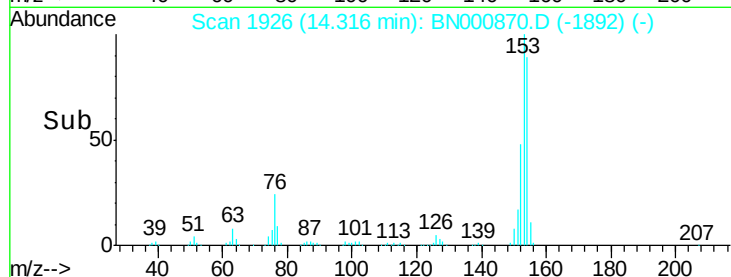
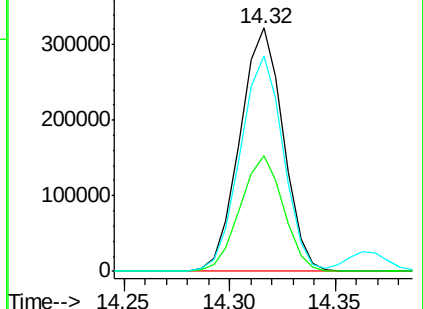
154 88.7 66.8 100.2



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: 20.540 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

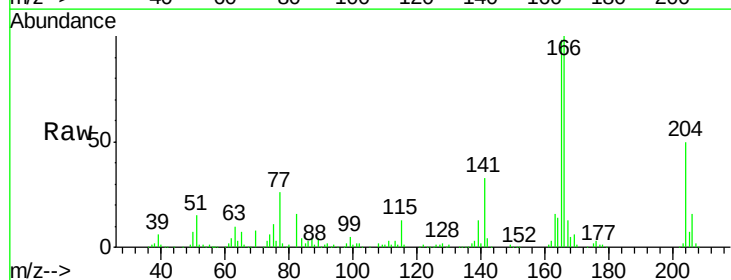
Tgt Ion:166 Resp: 492299

Ion Ratio Lower Upper

166 100

165 98.0 83.8 125.8

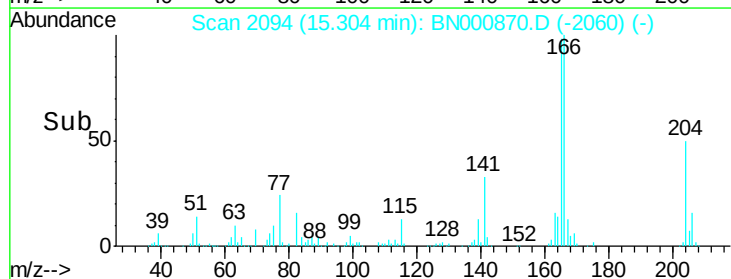
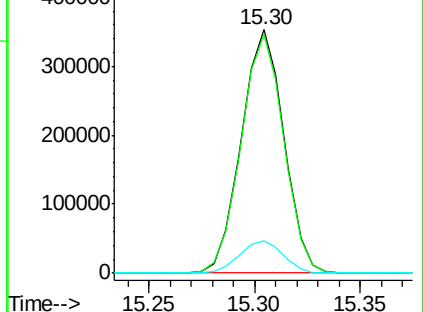
167 13.5 11.5 17.3

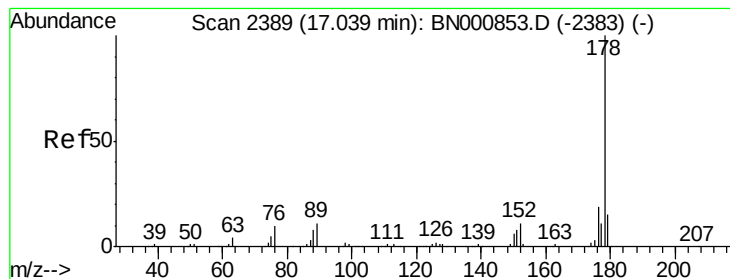


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.353 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

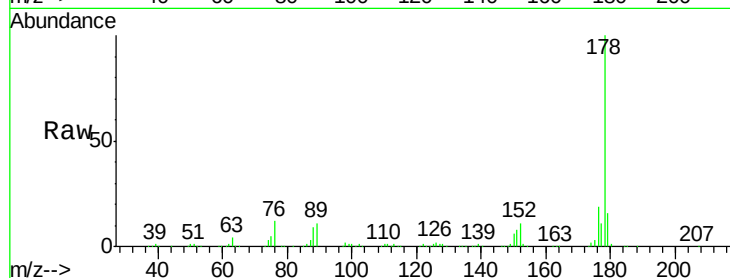
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 751513

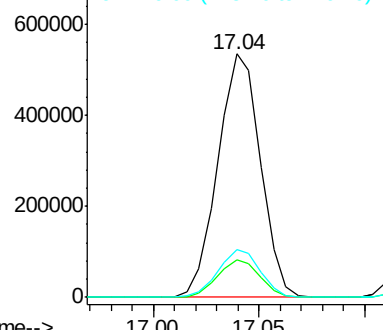
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.5	15.1	22.7



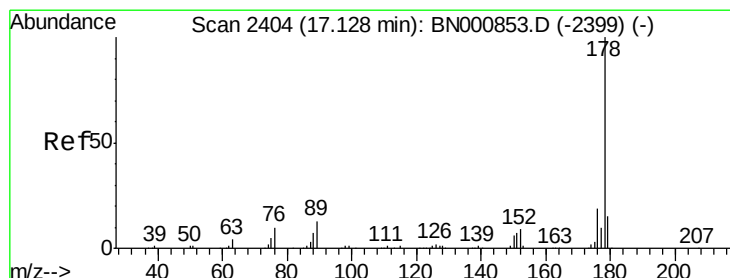
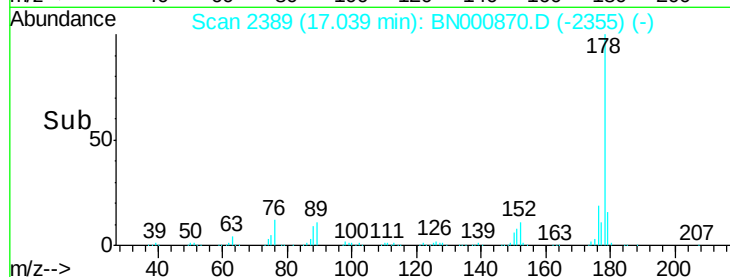
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#15

Anthracene

Concen: 20.869 ng/ul

RT: 17.13 min Scan# 2405

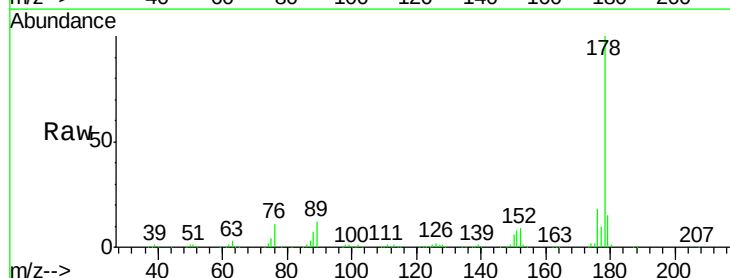
Delta R.T. 0.01 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

Tgt Ion:178 Resp: 772884

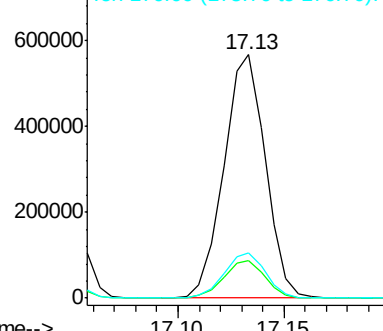
Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	18.5	15.2	22.8



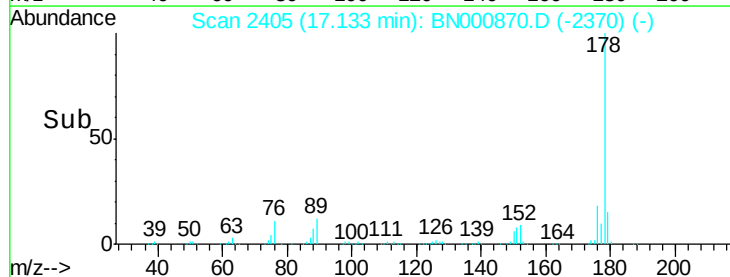
Abundance Ion 178.00 (177.70 to 178.70): E

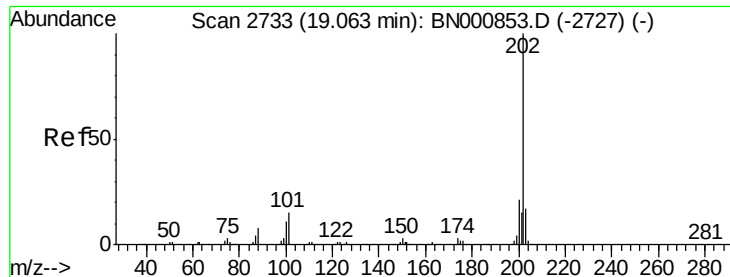
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

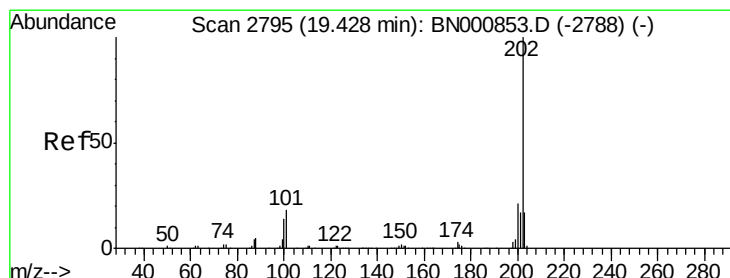
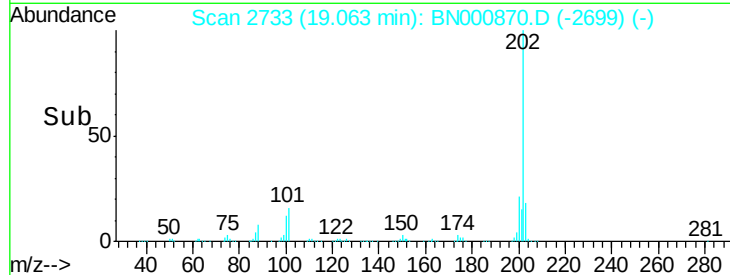
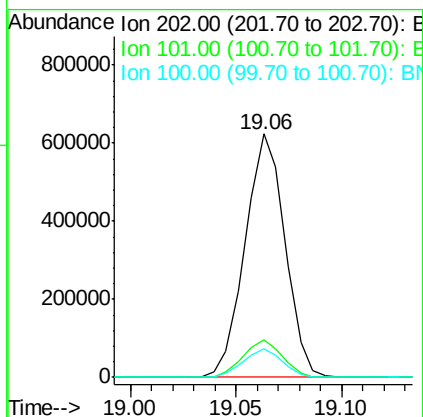
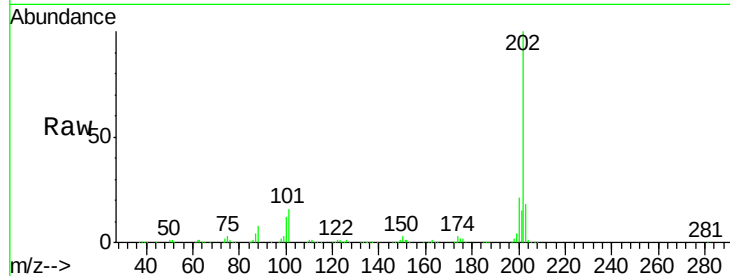




#16
 Fluoranthene
 Concen: 21.866 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: BN000870.D
 Acq: 25 Apr 2018 02:38

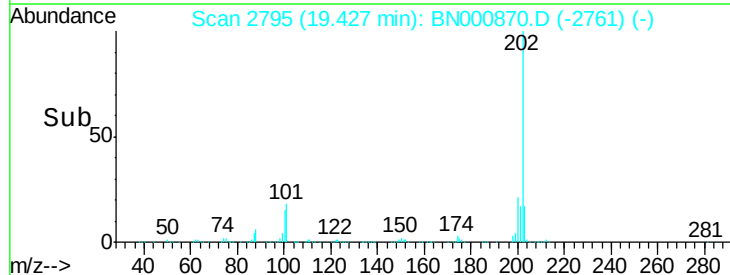
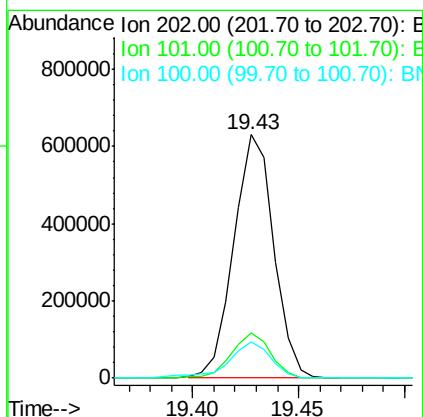
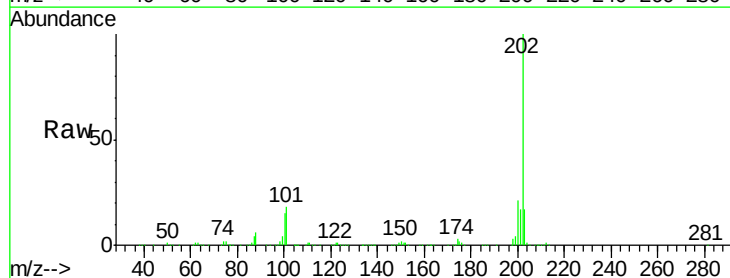
Instrument :
 BNA_N
 ClientSampleId :

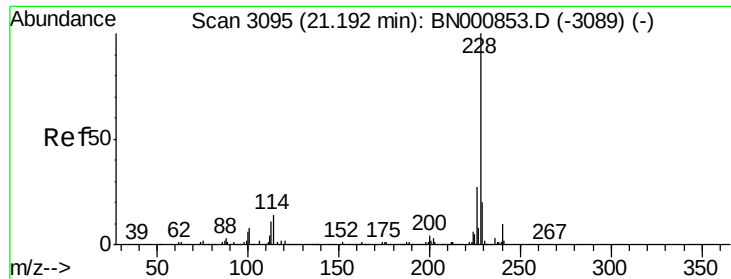
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.5	9.9	14.9#
100	11.8	7.4	11.0#



#19
 Pyrene
 Concen: 19.863 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. -0.00 min
 Lab File: BN000870.D
 Acq: 25 Apr 2018 02:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	11.0	16.4#
100	14.9	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 20.731 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

Instrument :

BNA_N

ClientSampleId :

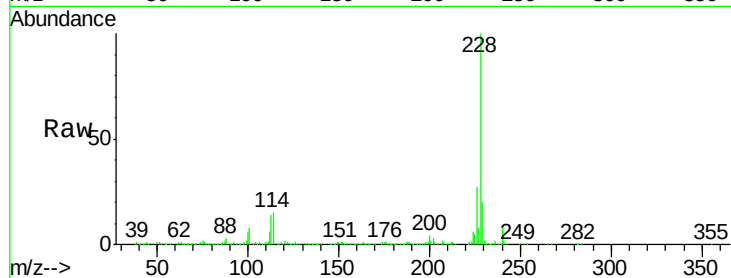
Tot Ion:228 Resp: 797521

Ion Ratio Lower Upper

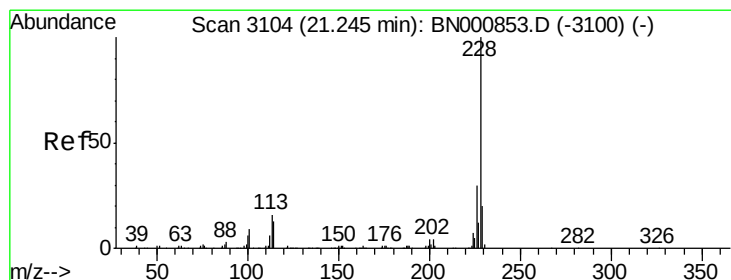
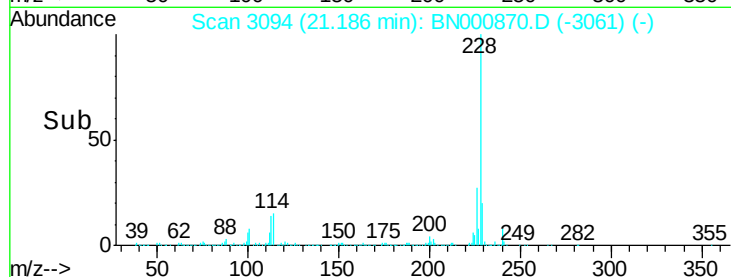
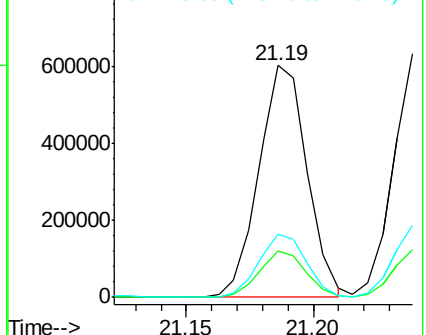
228 100

229 20.1 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: 20.469 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

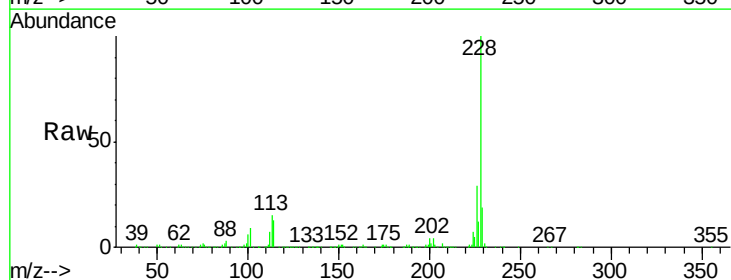
Tgt Ion:228 Resp: 740114

Ion Ratio Lower Upper

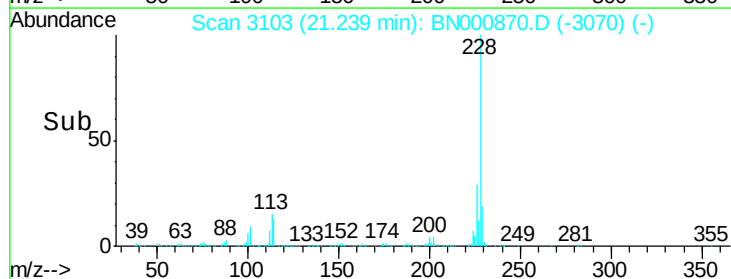
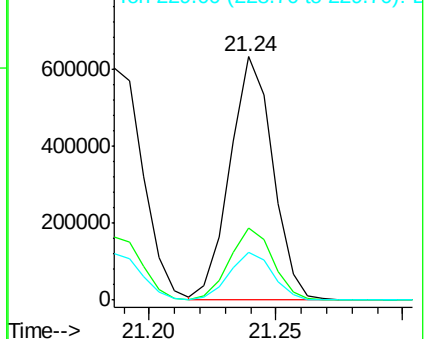
228 100

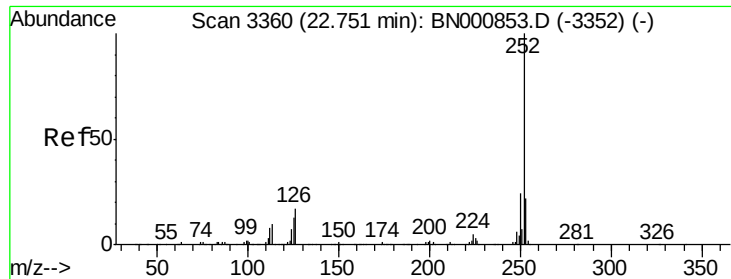
226 29.5 24.5 36.7

229 19.4 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: 19.867 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

Instrument :

BNA_N

ClientSampleId :

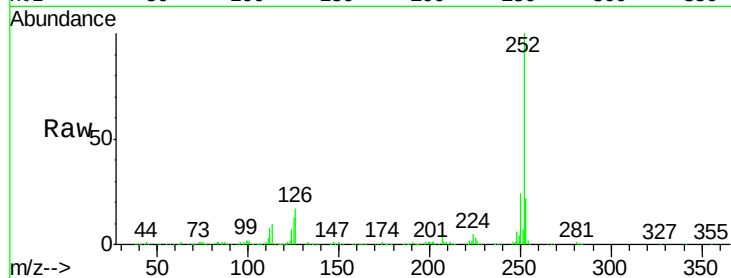
Tot Ion:252 Resp: 762196

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

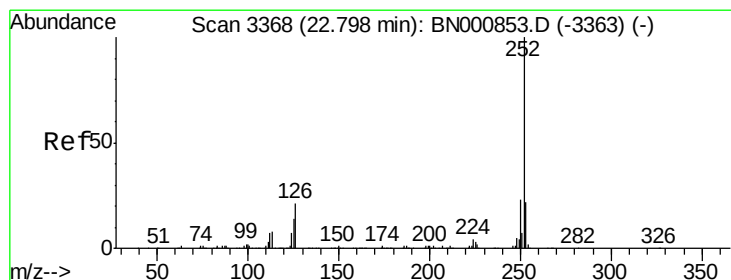
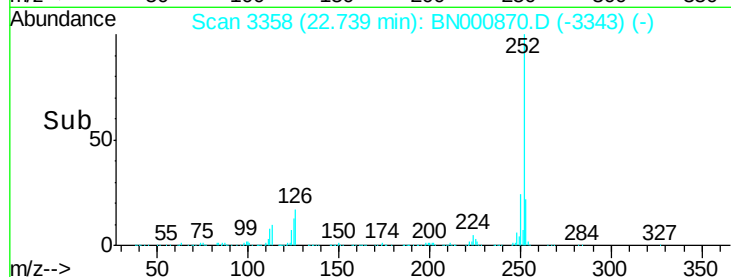
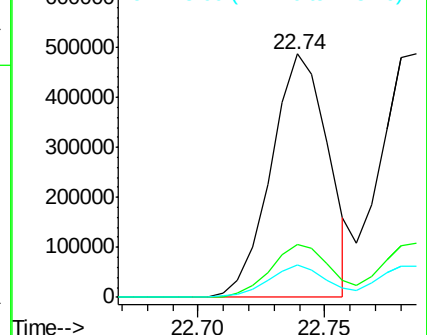
125 13.4 8.0 12.0#



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: 21.280 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.01 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

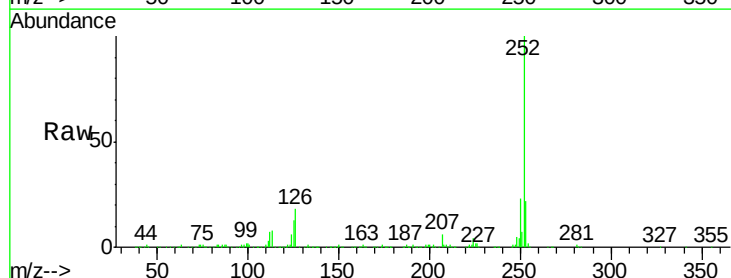
Tgt Ion:252 Resp: 798890

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

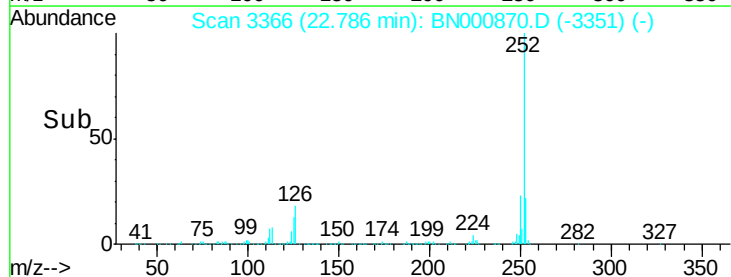
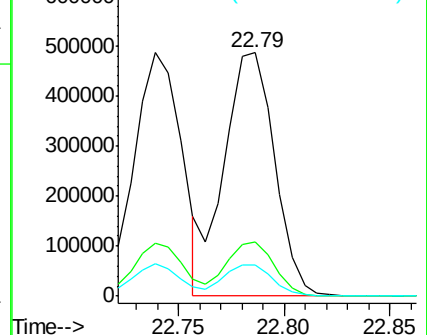
125 12.8 8.1 12.1#

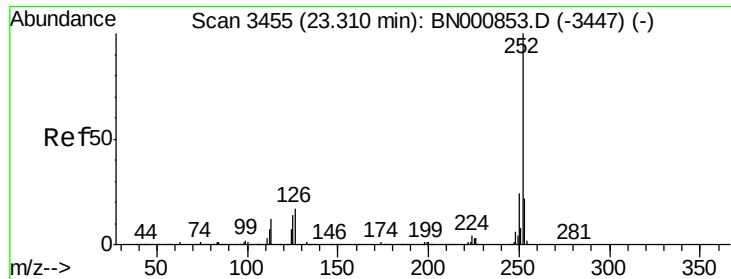


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.931 ng/ul

RT: 23.30 min Scan# 3453

Delta R.T. -0.01 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

Instrument :

BNA_N

ClientSampleId :

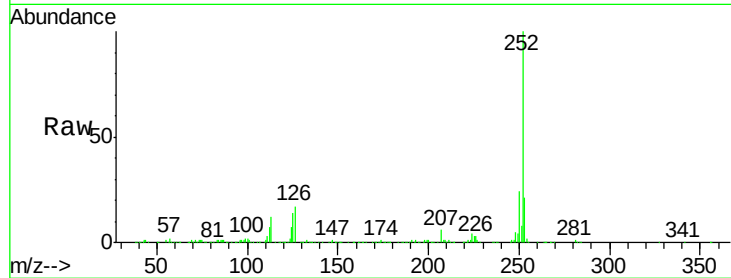
Tot Ion:252 Resp: 767421

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

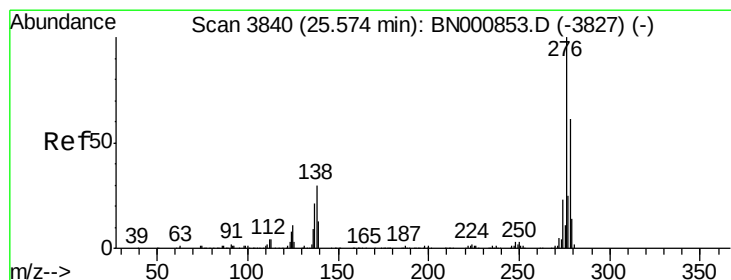
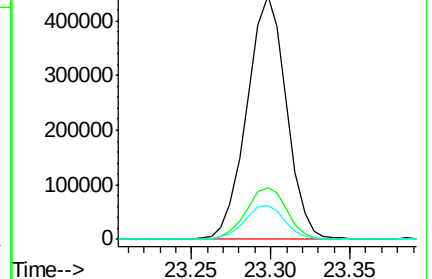
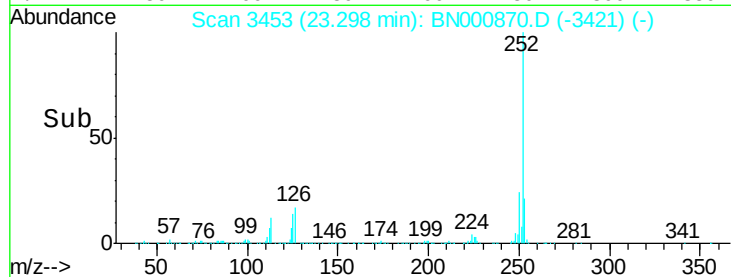
125 13.8 8.2 12.4#



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: 20.873 ng/ul

RT: 25.56 min Scan# 3838

Delta R.T. -0.01 min

Lab File: BN000870.D

Acq: 25 Apr 2018 02:38

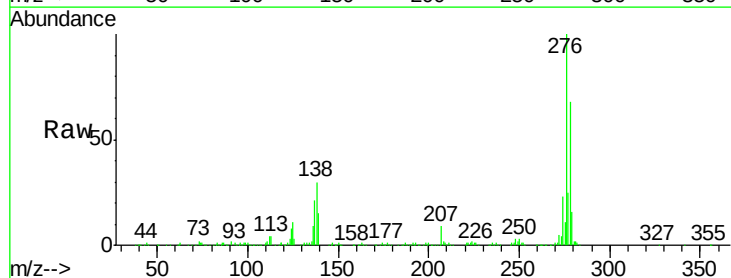
Tgt Ion:276 Resp: 924351

Ion Ratio Lower Upper

276 100

138 30.4 14.4 21.6#

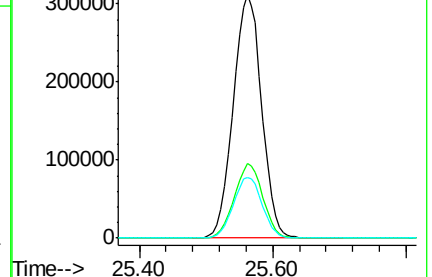
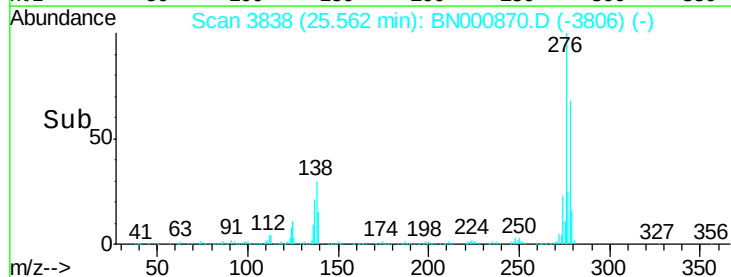
277 25.0 18.0 27.0

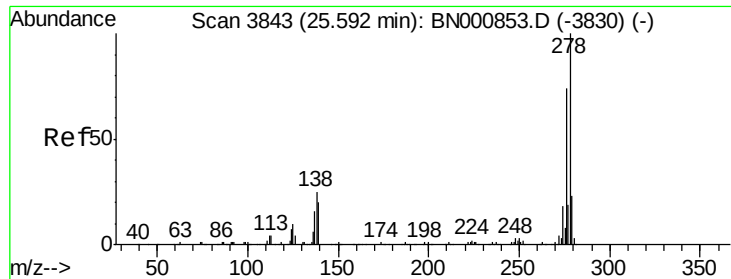


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



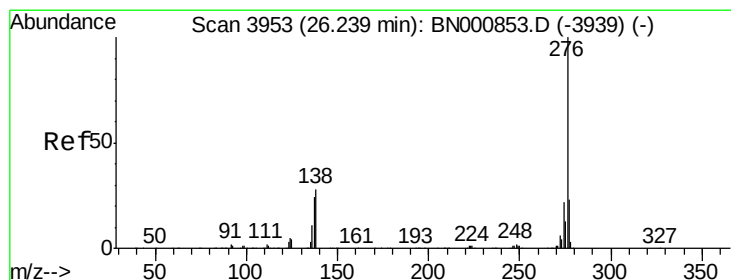
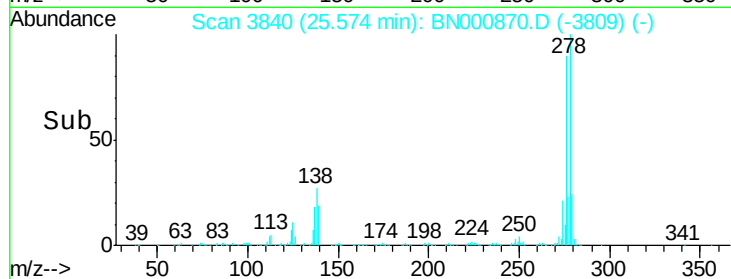
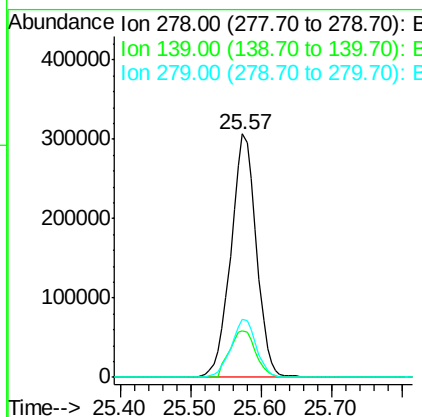
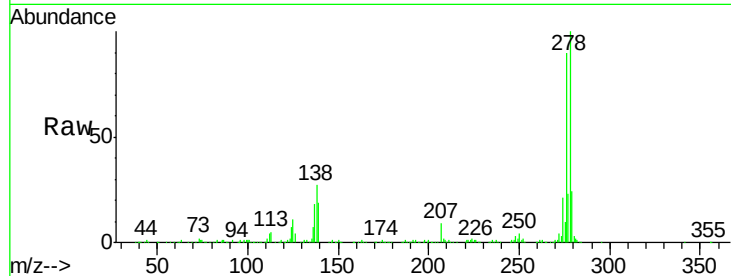


#28
Dibenzo(a,h)anthracene
Concen: 20.781 ng/ul
RT: 25.57 min Scan# 3840
Delta R.T. -0.02 min
Lab File: BN000870.D
Acq: 25 Apr 2018 02:38

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 767012

Ion	Ratio	Lower	Upper
278	100		
139	19.3	12.2	18.4#
279	23.8	19.2	28.8



#29
Benzo(g,h,i)perylene
Concen: 20.844 ng/ul
RT: 26.22 min Scan# 3950
Delta R.T. -0.02 min
Lab File: BN000870.D
Acq: 25 Apr 2018 02:38

Tgt Ion:276 Resp: 772049

Ion	Ratio	Lower	Upper
276	100		
138	26.5	15.3	22.9#
277	24.0	19.0	28.4

