

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050118\
 Data File : BN001033.D
 Acq On : 01 May 2018 17:00
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 02 07:20:40 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 02 07:19:06 2018
 Response via : Initial Calibration

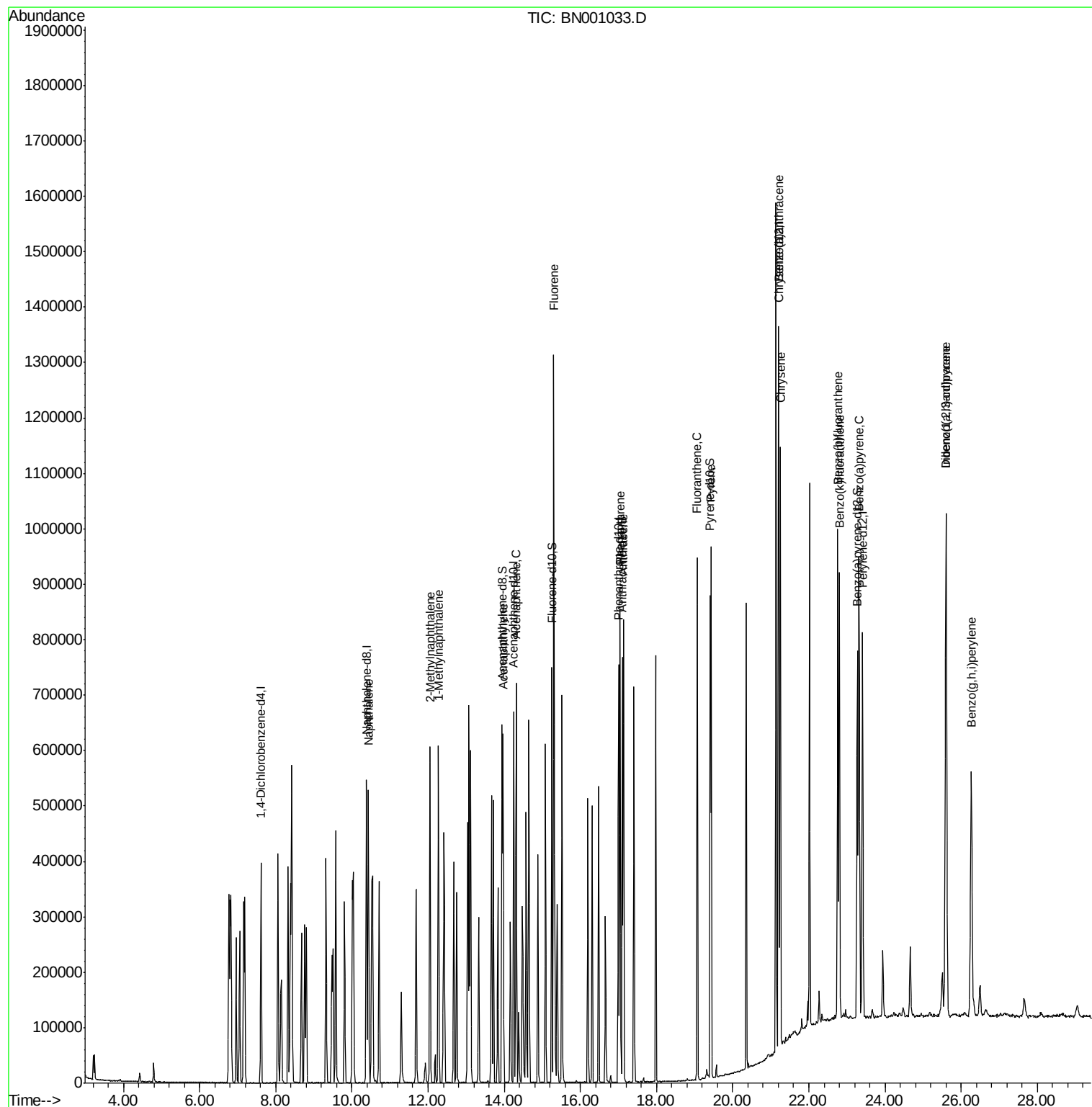
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	100808	20.00	ng/ul	0.00
2) Naphthalene-d8	10.38	136	418527	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	206627	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	423494	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	409493	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	430672	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.94	160	418176	21.07	ng/ul	0.00
10) Fluorene-d10	15.25	176	270926	20.45	ng/ul	0.00
14) Anthracene-d10	17.10	188	395609	20.43	ng/ul	0.00
18) Pyrene-d10	19.40	212	411119	19.59	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	423484	20.82	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	423356	20.071	ng/ul	100
4) 2-Methylnaphthalene	12.05	142	279333	19.848	ng/ul	99
5) 1-Methylnaphthalene	12.28	142	272572	19.746	ng/ul#	93
8) Acenaphthylene	13.97	152	409328	20.841	ng/ul	98
9) Acenaphthene	14.32	153	276972	20.410	ng/ul	95
11) Fluorene	15.30	166	299067	20.702	ng/ul	95
13) Phenanthrene	17.05	178	458556	19.853	ng/ul	99
15) Anthracene	17.13	178	469101	20.248	ng/ul	99
16) Fluoranthene	19.07	202	505629	21.576	ng/ul#	92
19) Pyrene	19.43	202	511906	19.462	ng/ul#	89
20) Benzo(a)anthracene	21.20	228	494515	20.202	ng/ul	99
21) Chrysene	21.25	228	462667	20.110	ng/ul	99
23) Benzo(b)fluoranthene	22.76	252	478191	19.538	ng/ul#	98
24) Benzo(k)fluoranthene	22.80	252	471672	19.694	ng/ul#	97
26) Benzo(a)pyrene	23.32	252	479336	20.493	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.60	276	571059	20.213	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.61	278	474917	20.170	ng/ul#	96
29) Benzo(a,h,i)perylene	26.26	276	476660	20.172	ng/ul#	91

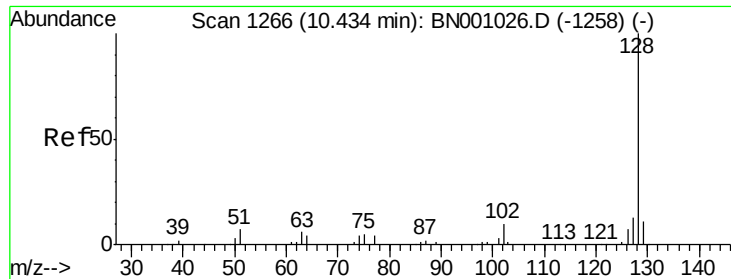
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.071 ng/ul

RT: 10.43 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

Instrument :

BNA_N

ClientSampleId :

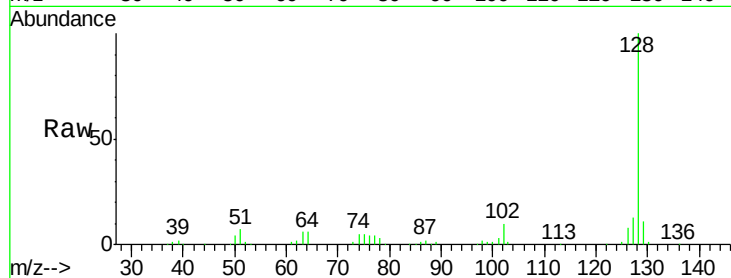
Tot Ion:128 Resp: 423356

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

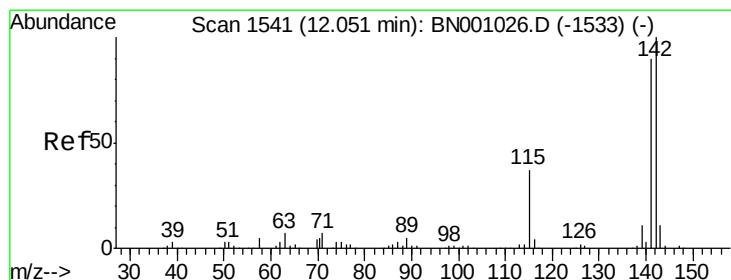
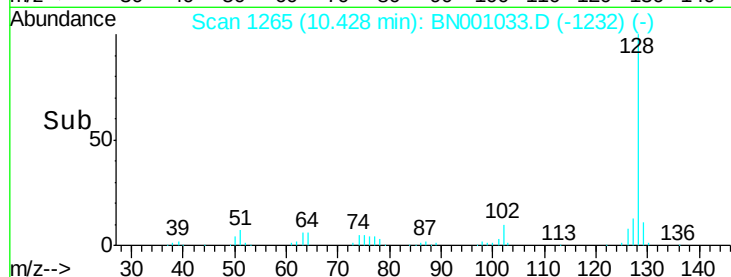
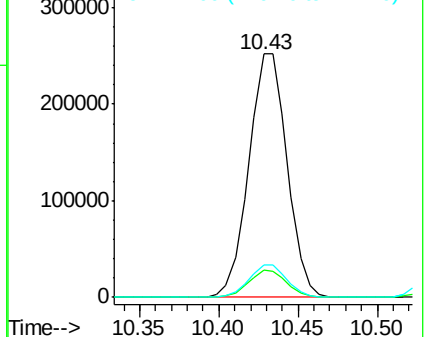
127 13.2 10.6 16.0



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: 19.848 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BN001033.D

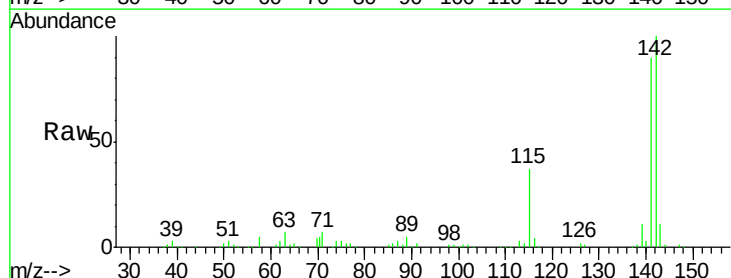
Acq: 01 May 2018 17:00

Tgt Ion:142 Resp: 279333

Ion Ratio Lower Upper

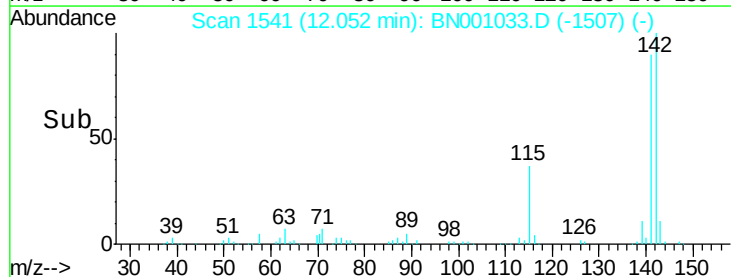
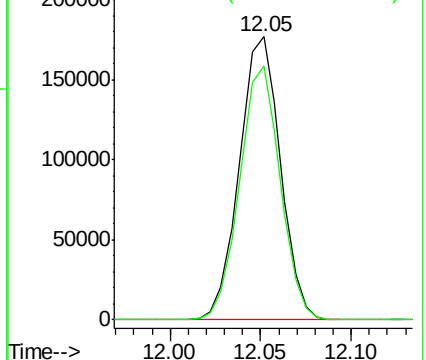
142 100

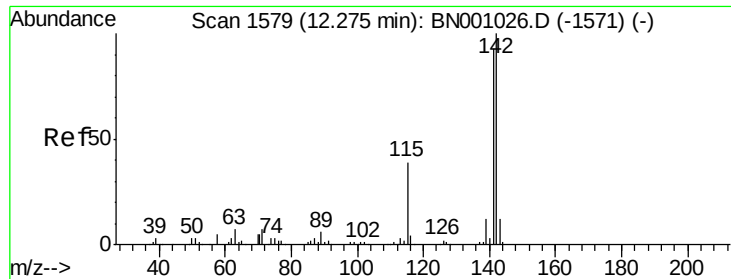
141 89.5 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.746 ng/ul

RT: 12.28 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

Instrument :

BNA_N

ClientSampleId :

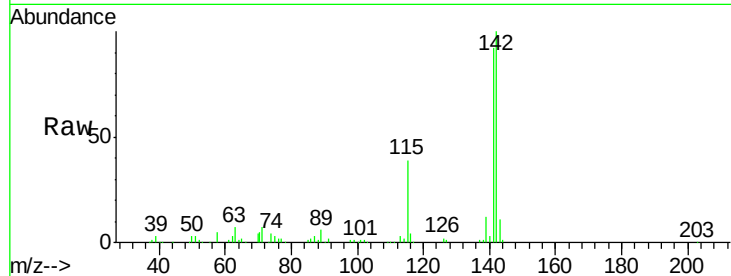
Tot Ion:142 Resp: 272572

Ion Ratio Lower Upper

142 100

141 92.0 79.3 118.9

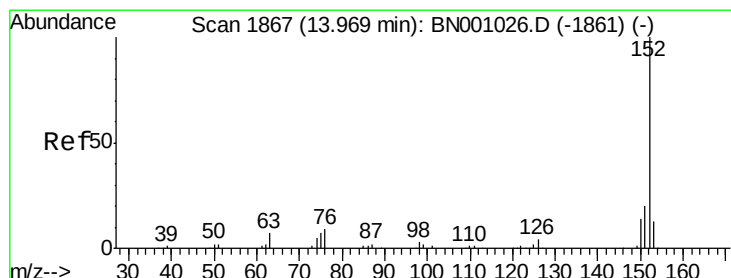
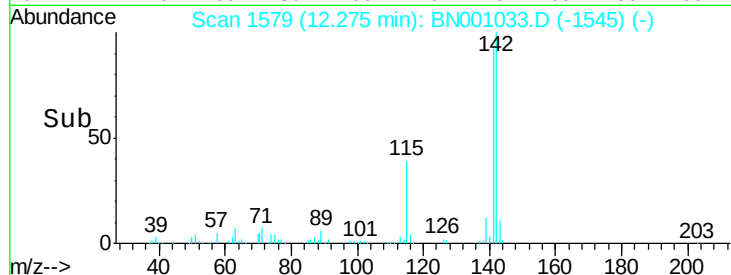
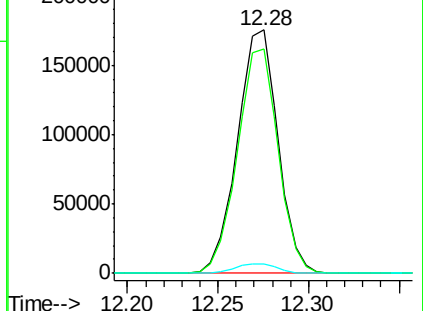
116 4.0 4.2 6.2#



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: 20.841 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

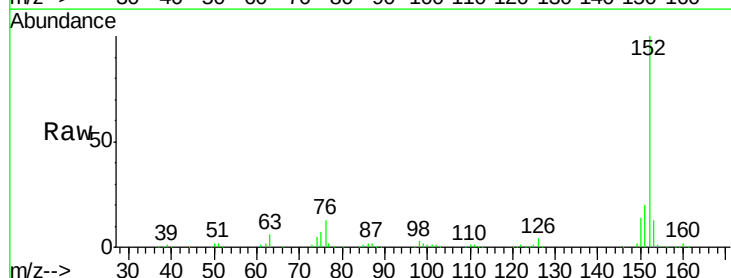
Tgt Ion:152 Resp: 409328

Ion Ratio Lower Upper

152 100

151 19.7 16.7 25.1

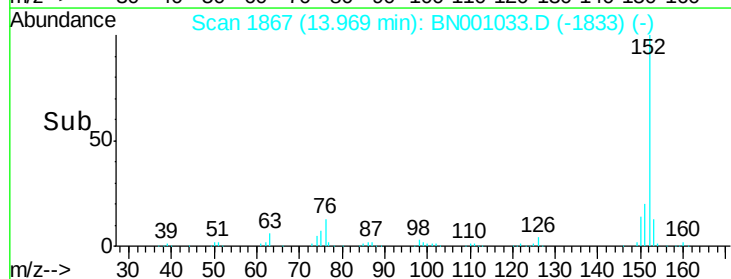
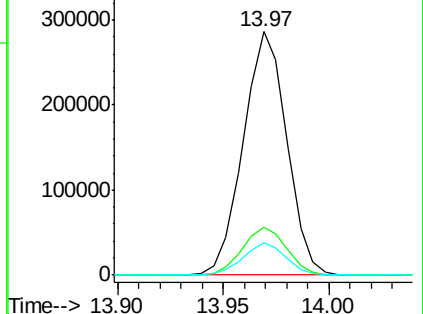
153 13.1 10.2 15.4

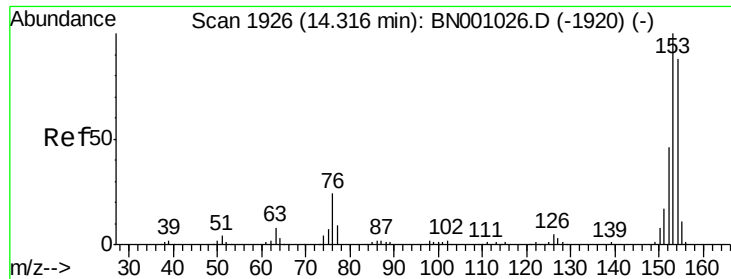


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.410 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

Instrument :

BNA_N

ClientSampleId :

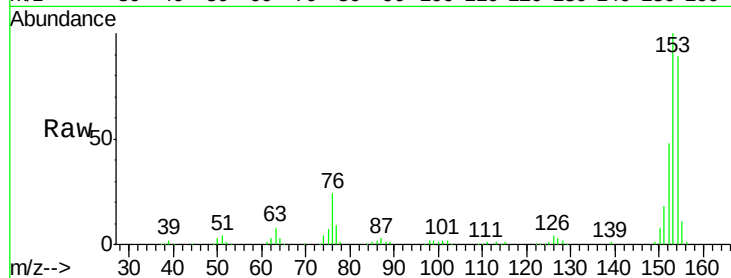
Tot Ion:153 Resp: 276972

Ion Ratio Lower Upper

153 100

152 47.6 39.0 58.6

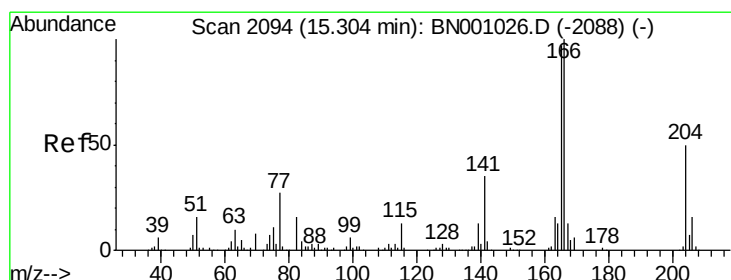
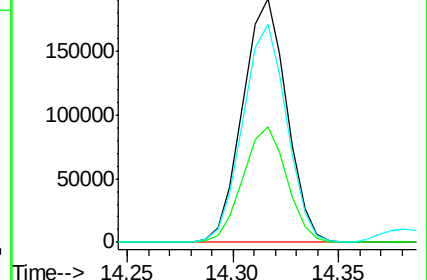
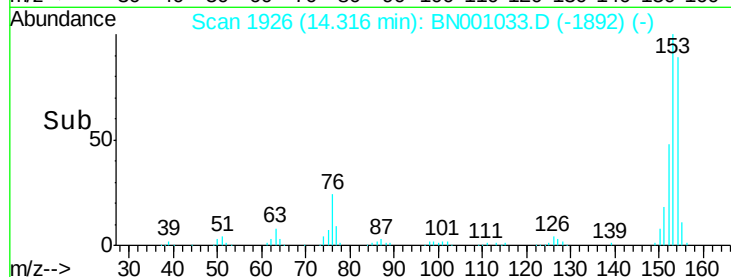
154 89.5 66.8 100.2



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: 20.702 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

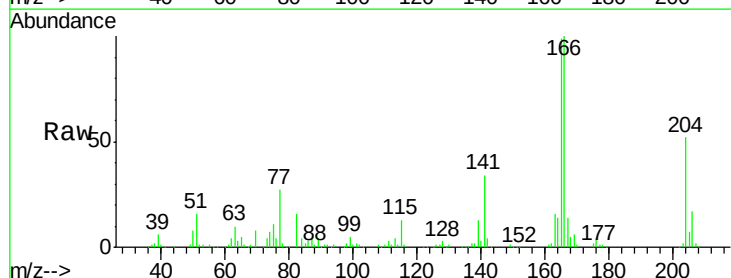
Tgt Ion:166 Resp: 299067

Ion Ratio Lower Upper

166 100

165 98.9 83.8 125.8

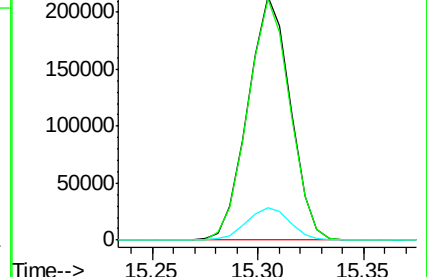
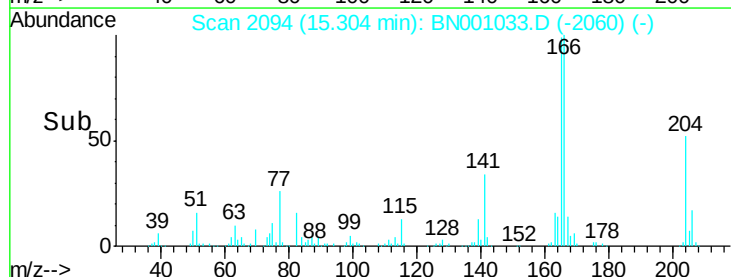
167 13.5 11.5 17.3

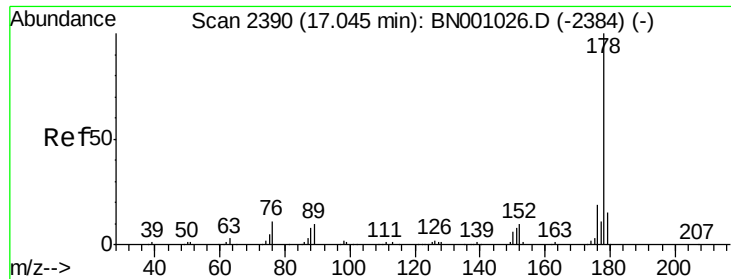


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

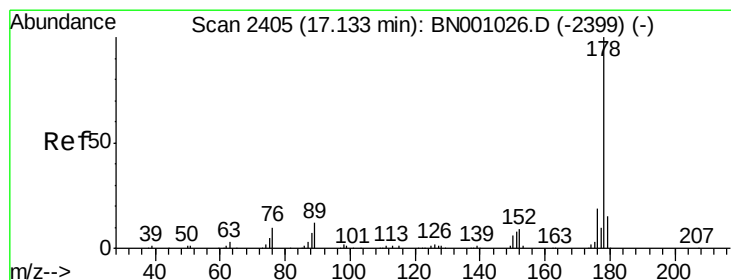
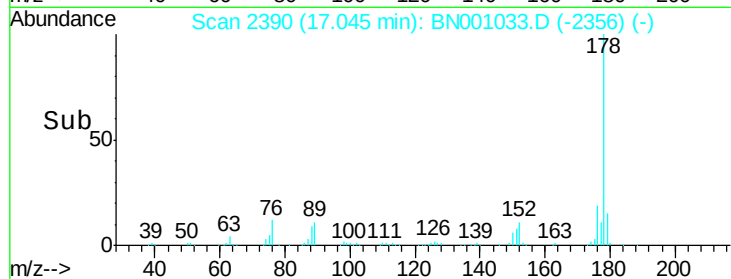
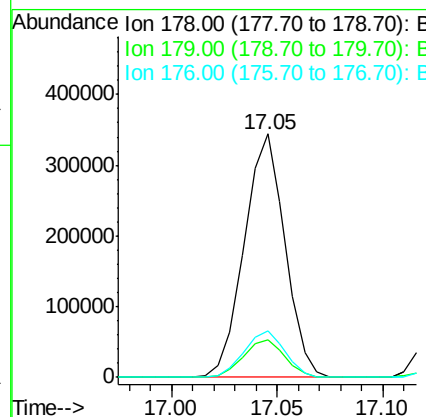
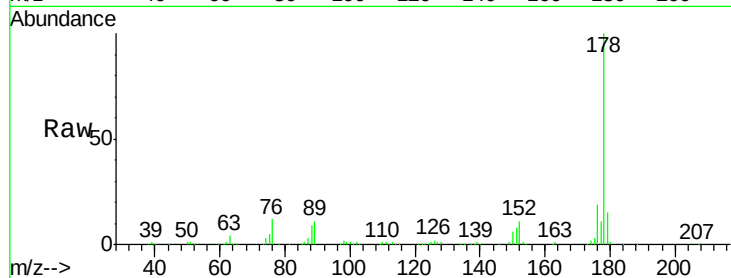




#13
Phenanthrene
Concen: 19.853 ng/ul
RT: 17.05 min Scan# 2390
Delta R.T. 0.00 min
Lab File: BN001033.D
Acq: 01 May 2018 17:00

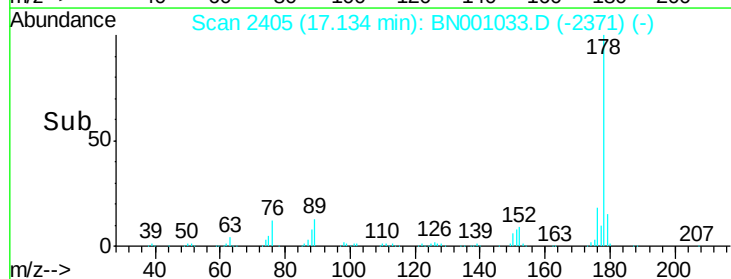
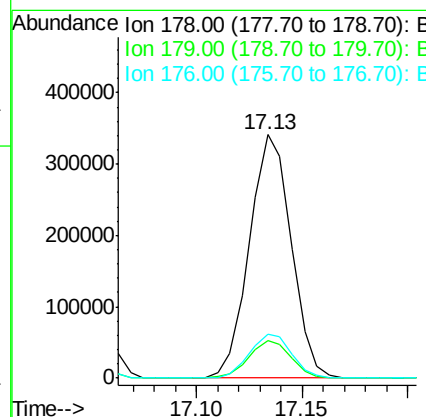
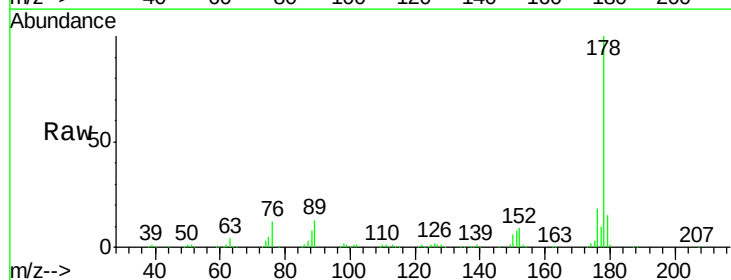
Instrument :
BNA_N
ClientSampleId :

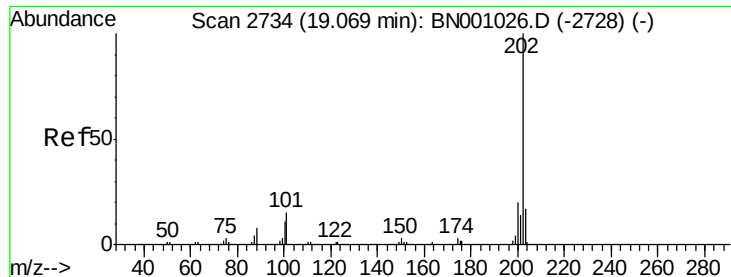
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.2	15.1	22.7



#15
Anthracene
Concen: 20.248 ng/ul
RT: 17.13 min Scan# 2405
Delta R.T. 0.00 min
Lab File: BN001033.D
Acq: 01 May 2018 17:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	18.2	15.2	22.8

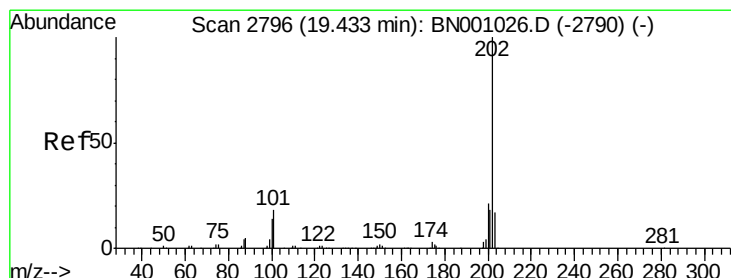
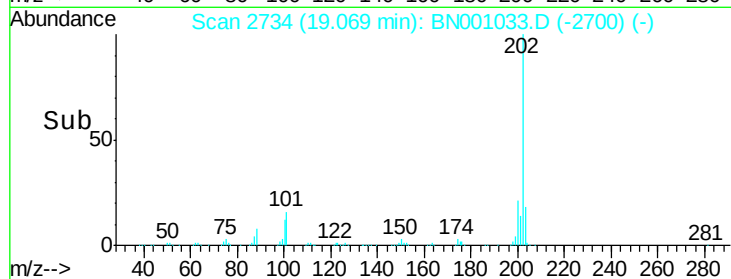
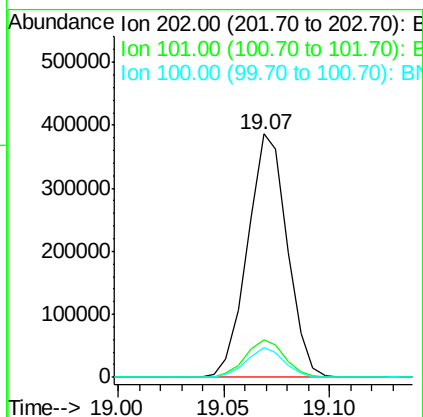
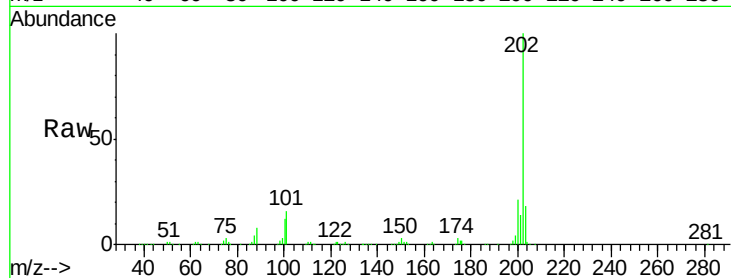




#16
 Fluoranthene
 Concen: 21.576 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BN001033.D
 Acq: 01 May 2018 17:00

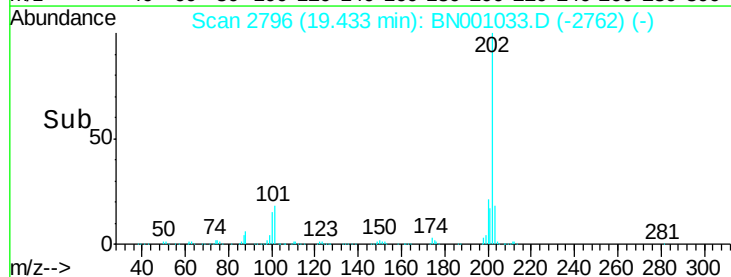
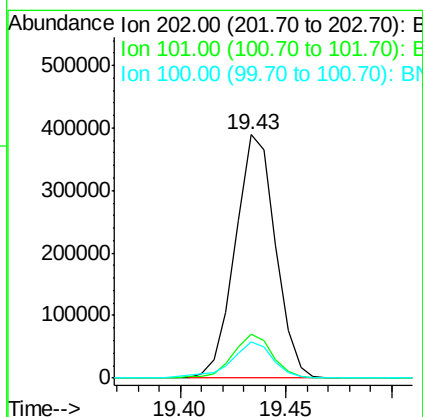
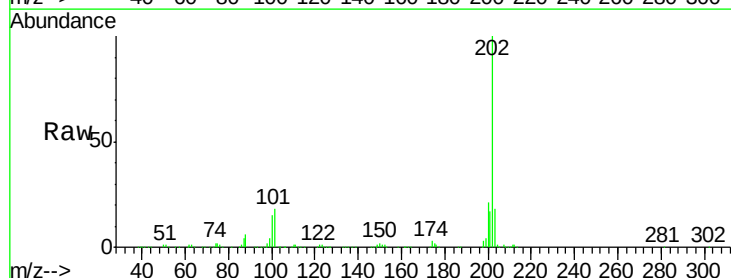
Instrument :
 BNA_N
 ClientSampleId :

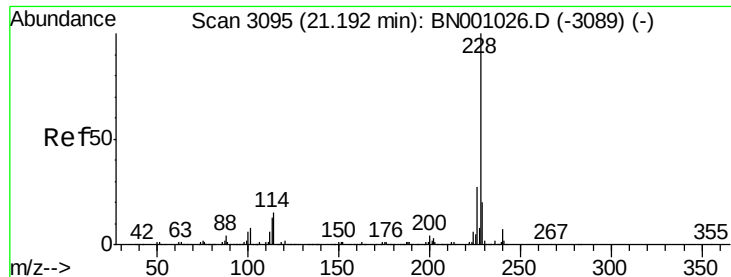
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.7	9.9	14.9#
100	12.0	7.4	11.0#



#19
 Pyrene
 Concen: 19.462 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BN001033.D
 Acq: 01 May 2018 17:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.8	11.0	16.4#
100	14.7	8.1	12.1#

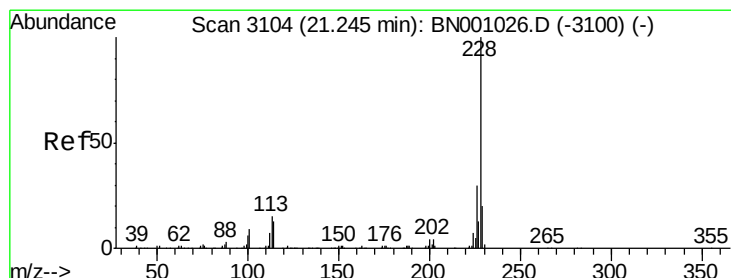
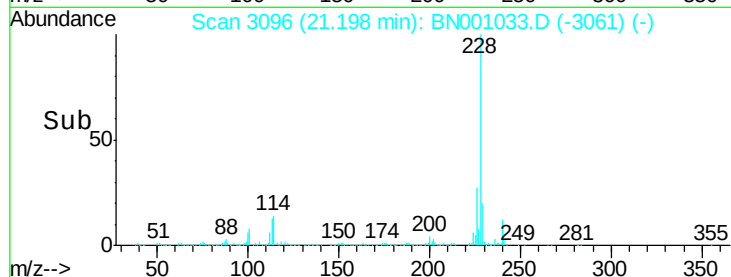
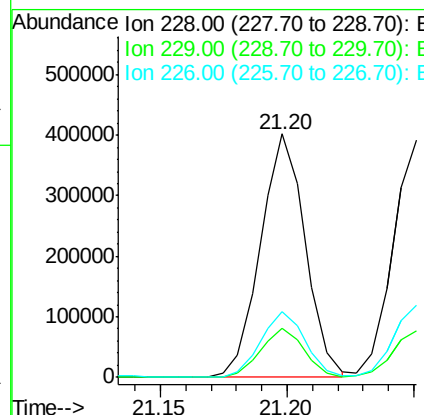
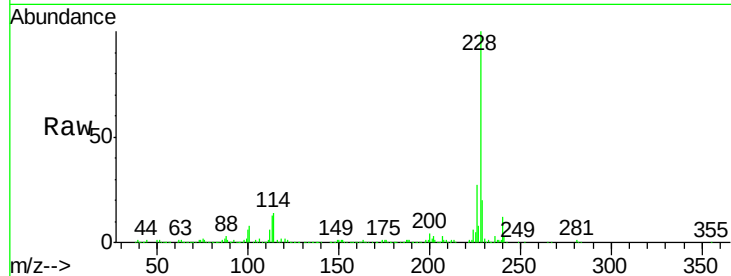




#20
Benzo(a)anthracene
Concen: 20.202 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. 0.01 min
Lab File: BN001033.D
Acq: 01 May 2018 17:00

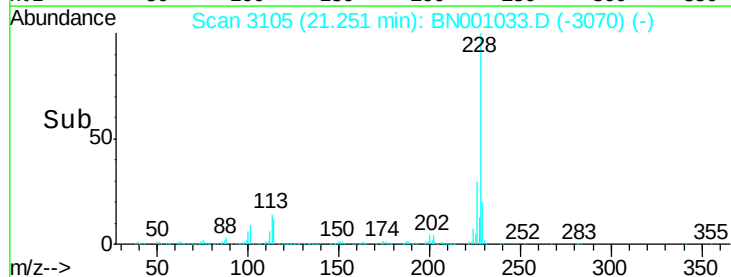
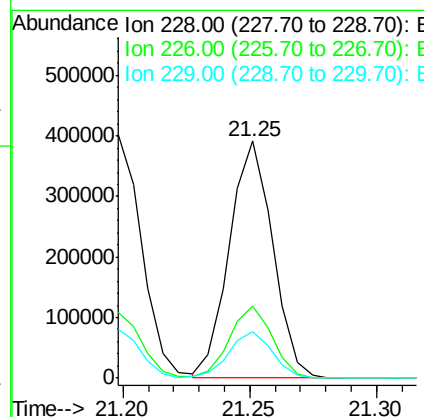
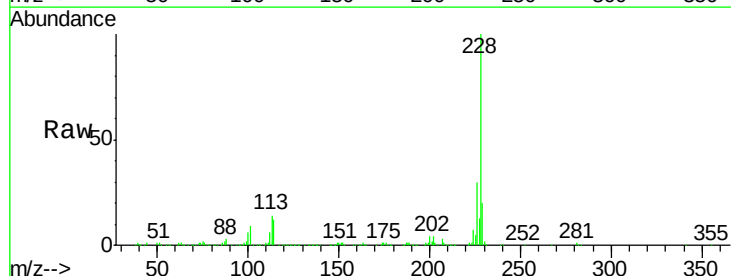
Instrument :
BNA_N
ClientSampleId :

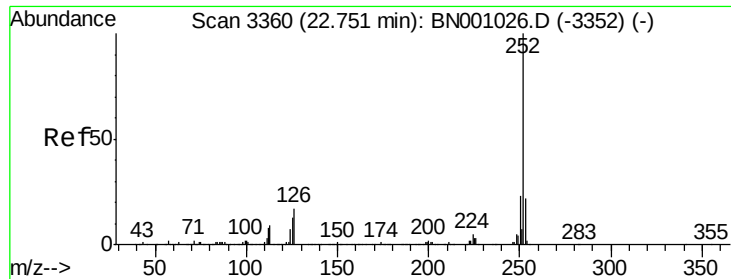
Tot Ion:228 Resp: 494515
Ion Ratio Lower Upper
228 100
229 20.0 15.7 23.5
226 27.1 21.1 31.7



#21
Chrysene
Concen: 20.110 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.01 min
Lab File: BN001033.D
Acq: 01 May 2018 17:00

Tgt Ion:228 Resp: 462667
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 19.6 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 19.538 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

Instrument :

BNA_N

ClientSampleId :

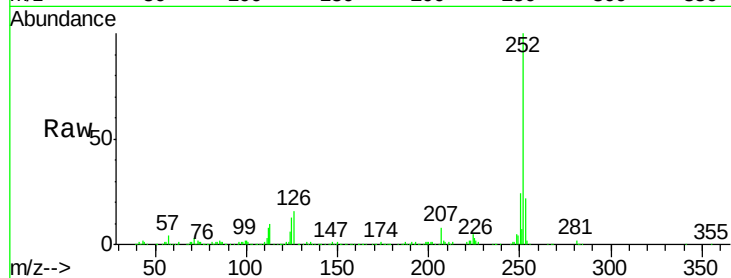
Tot Ion:252 Resp: 478191

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

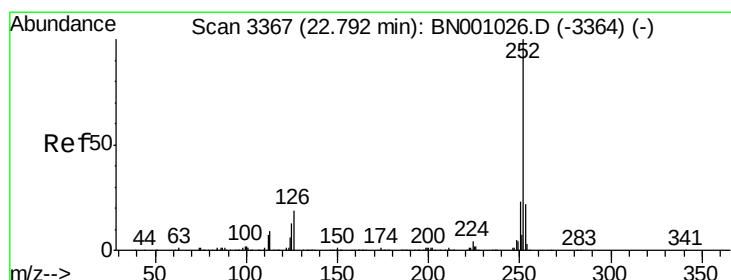
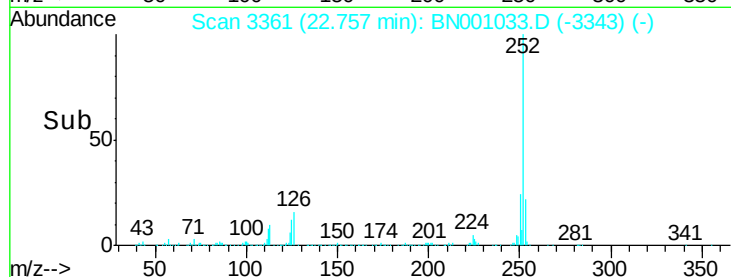
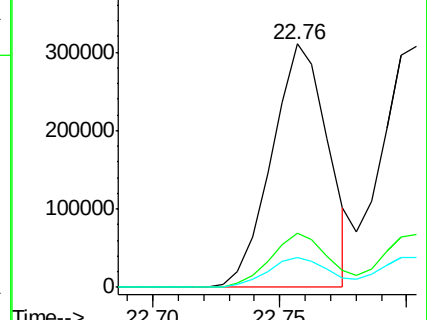
125 12.5 8.0 12.0#



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: 19.694 ng/ul

RT: 22.80 min Scan# 3369

Delta R.T. 0.01 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

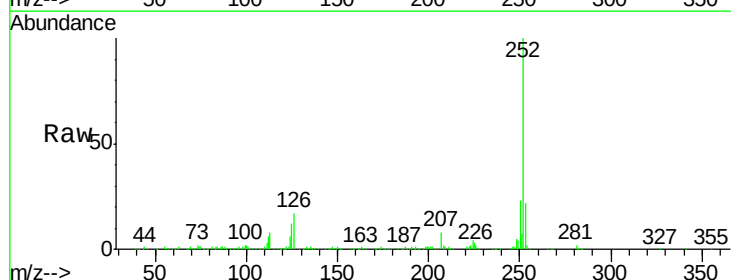
Tgt Ion:252 Resp: 471672

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

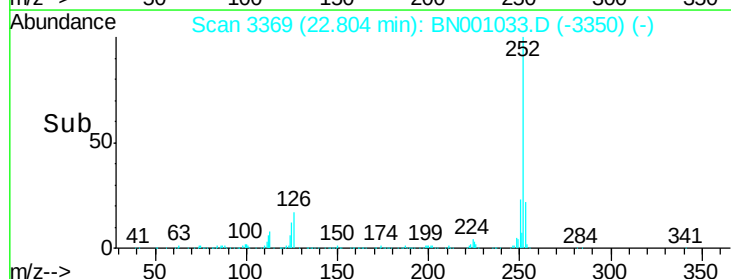
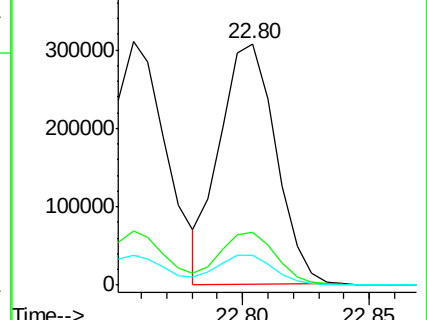
125 12.5 8.1 12.1#

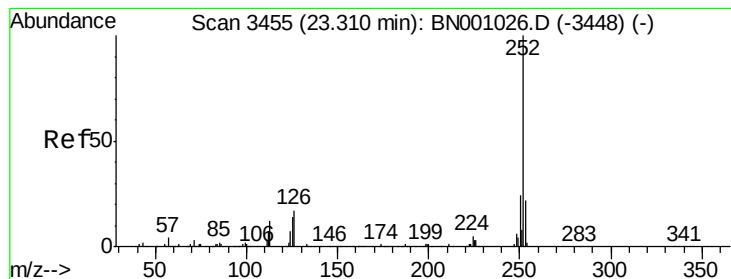


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.493 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

Instrument :

BNA_N

ClientSampleId :

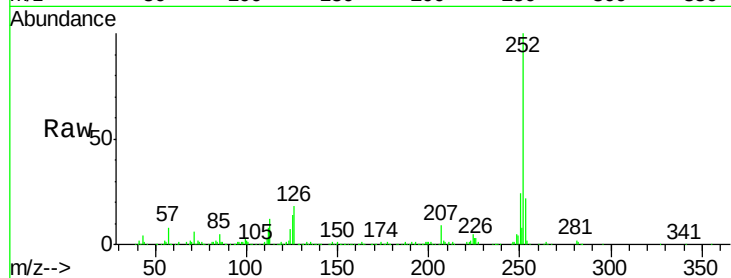
Tot Ion:252 Resp: 479336

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

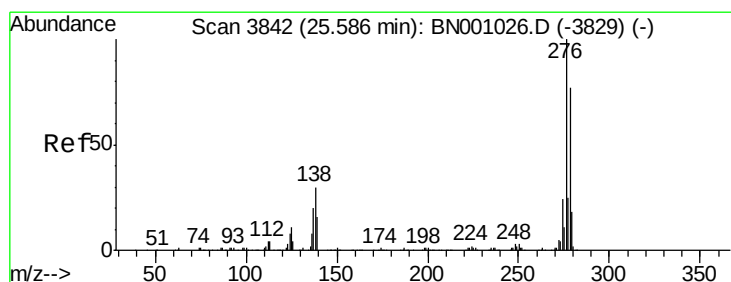
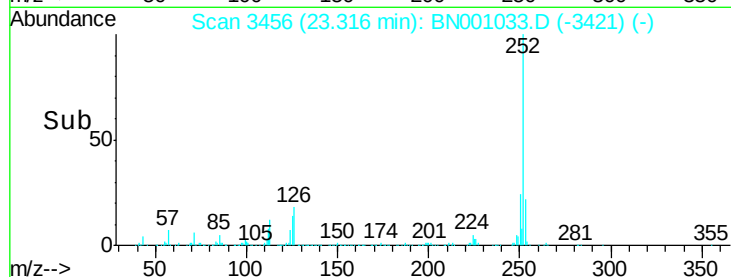
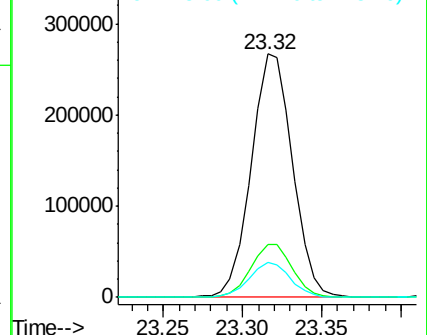
125 14.3 8.2 12.4#



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: 20.213 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. 0.01 min

Lab File: BN001033.D

Acq: 01 May 2018 17:00

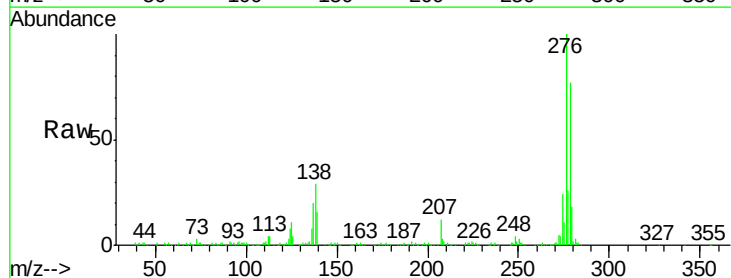
Tgt Ion:276 Resp: 571059

Ion Ratio Lower Upper

276 100

138 29.3 14.4 21.6#

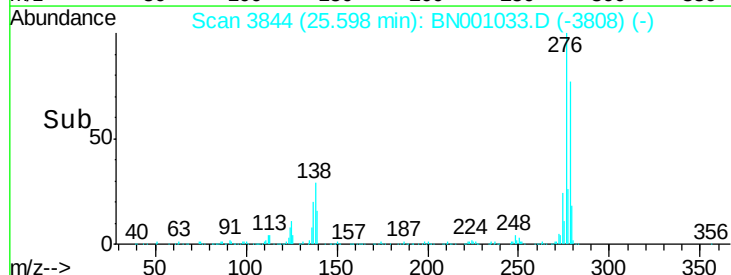
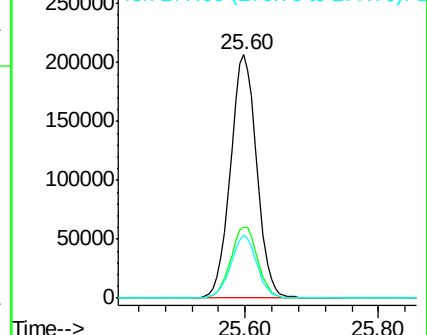
277 26.0 18.0 27.0

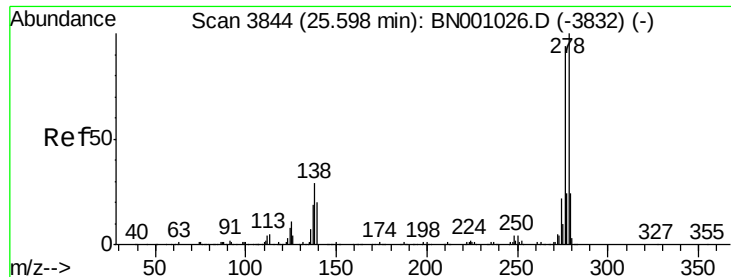


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

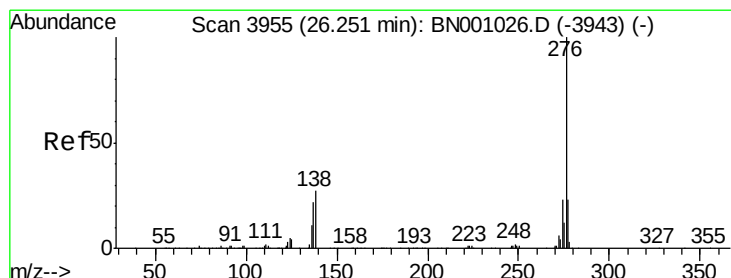
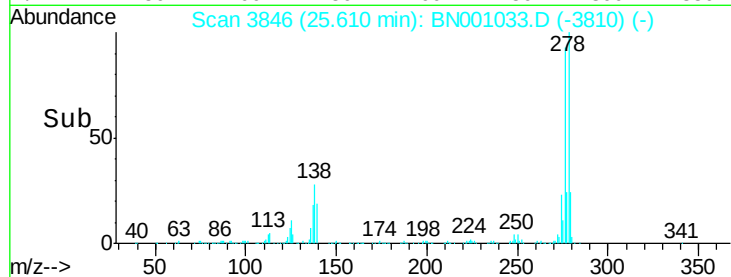
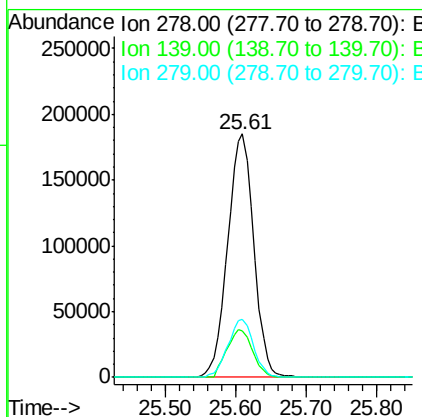
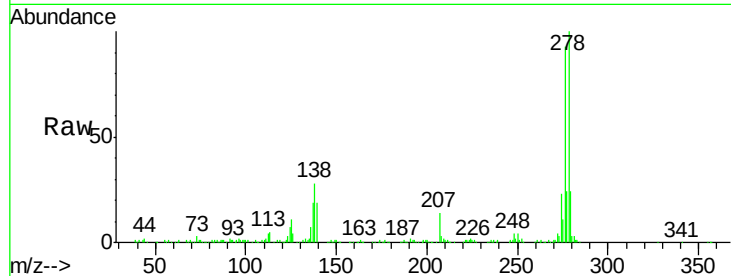




#28
Dibenzo(a,h)anthracene
Concen: 20.170 ng/ul
RT: 25.61 min Scan# 3846
Delta R.T. 0.01 min
Lab File: BN001033.D
Acq: 01 May 2018 17:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 474917
Ion Ratio Lower Upper
278 100
139 18.9 12.2 18.4#
279 23.8 19.2 28.8



#29
Benzo(g,h,i)perylene
Concen: 20.172 ng/ul
RT: 26.26 min Scan# 3957
Delta R.T. 0.01 min
Lab File: BN001033.D
Acq: 01 May 2018 17:00

Tgt Ion:276 Resp: 476660
Ion Ratio Lower Upper
276 100
138 27.0 15.3 22.9#
277 24.5 19.0 28.4

