

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050118\
 Data File : BN001049.D
 Acq On : 02 May 2018 02:19
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 02 07:47:19 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 02 07:44:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	134764	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	565186	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	279643	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	535630	20.00	ng/ul	0.00
17) Chrysene-d12	21.21	240	459997	20.00	ng/ul	0.00
22) Perylene-d12	23.40	264	473614	20.00	ng/ul	-0.01

System Monitoring Compounds

7) Acenaphthylene-d8	13.94	160	565296	21.05	ng/ul	0.00
10) Fluorene-d10	15.25	176	360823	20.13	ng/ul	0.00
14) Anthracene-d10	17.10	188	502336	20.51	ng/ul	0.00
18) Pyrene-d10	19.40	212	486070	20.62	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.26	264	464733	20.77	ng/ul	-0.01

Target Compounds

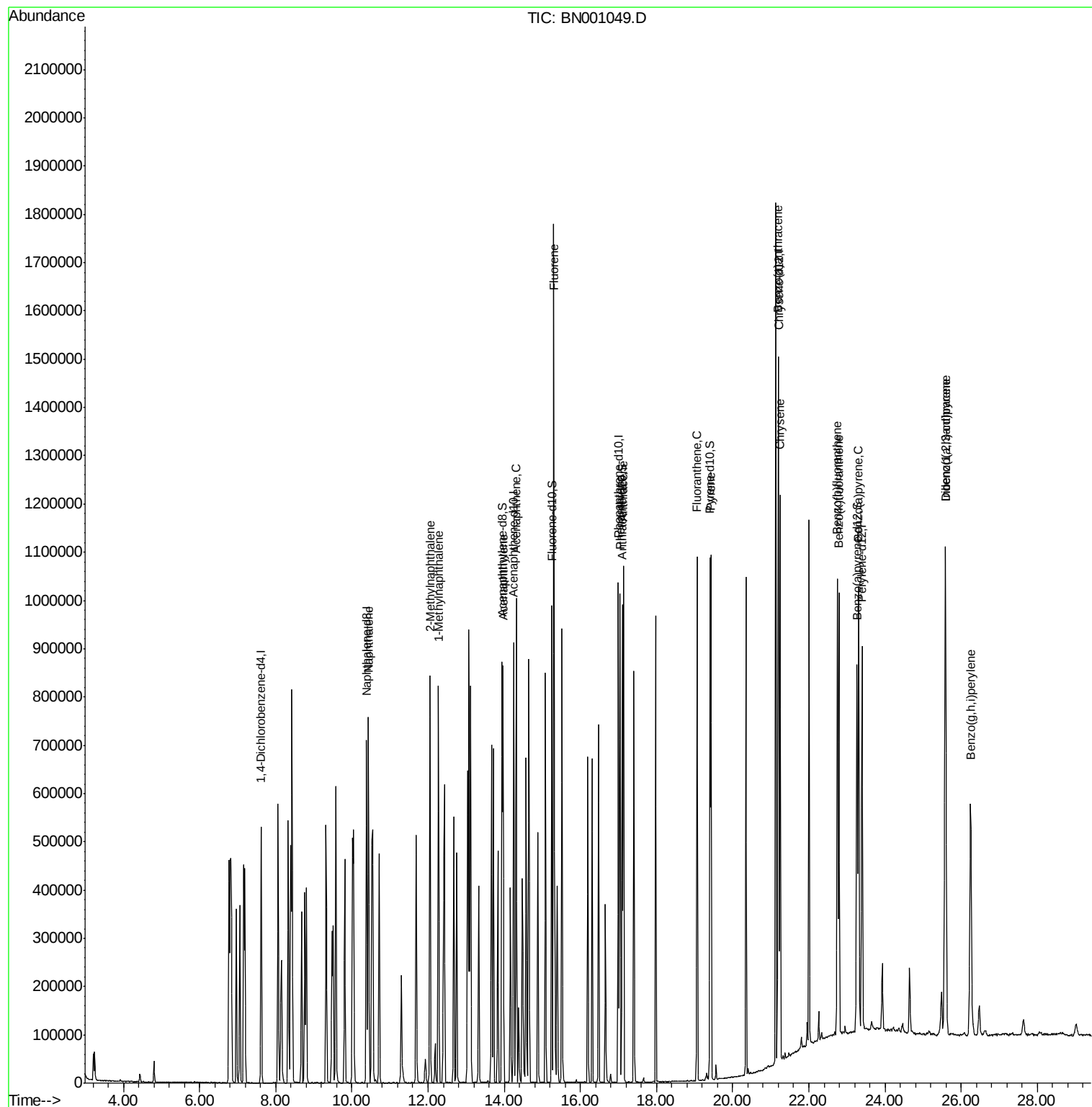
					Ovalue	
3) Naphthalene	10.43	128	576746	20.248	ng/ul	99
4) 2-Methylnaphthalene	12.05	142	382938	20.149	ng/ul	98
5) 1-Methylnaphthalene	12.27	142	375025	20.119	ng/ul#	93
8) Acenaphthylene	13.97	152	549233	20.662	ng/ul	99
9) Acenaphthene	14.32	153	374348	20.383	ng/ul	95
11) Fluorene	15.30	166	395700	20.239	ng/ul	94
13) Phenanthrene	17.04	178	583403	19.970	ng/ul	100
15) Anthracene	17.13	178	594549	20.290	ng/ul	99
16) Fluoranthene	19.07	202	598730	20.201	ng/ul	95
19) Pyrene	19.43	202	600827	20.335	ng/ul#	89
20) Benzo(a)anthracene	21.19	228	555499	20.202	ng/ul	99
21) Chrysene	21.25	228	514320	19.900	ng/ul	99
23) Benzo(b)fluoranthene	22.75	252	593913	22.066	ng/ul#	96
24) Benzo(k)fluoranthene	22.79	252	484252	18.386	ng/ul#	98
26) Benzo(a)pyrene	23.31	252	523978	20.370	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.58	276	629256	20.253	ng/ul#	83
28) Dibenzo(a,h)anthracene	25.59	278	524517	20.256	ng/ul#	96
29) Benzo(a,h,i)perylene	26.25	276	523551	20.148	ng/ul#	92

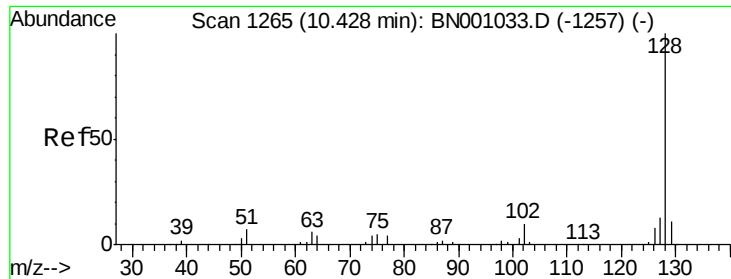
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA N\DATA\BN050118\
Data File : BN001049.D
Acq On : 02 May 2018 02:19
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: May 02 07:47:19 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 02 07:44:40 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 20.248 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

Instrument :

BNA_N

ClientSampleId :

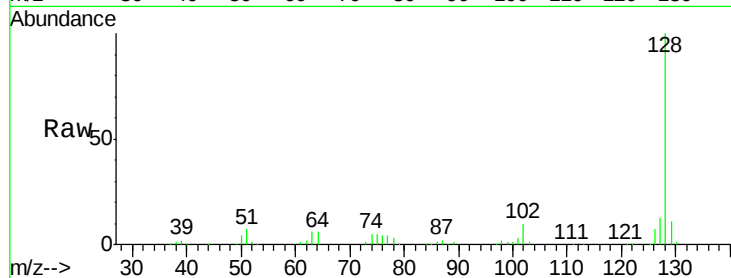
Tot Ion:128 Resp: 576746

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

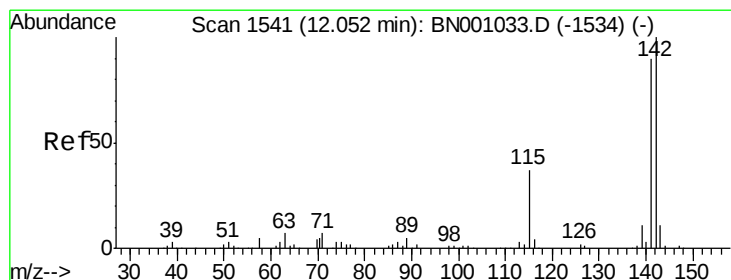
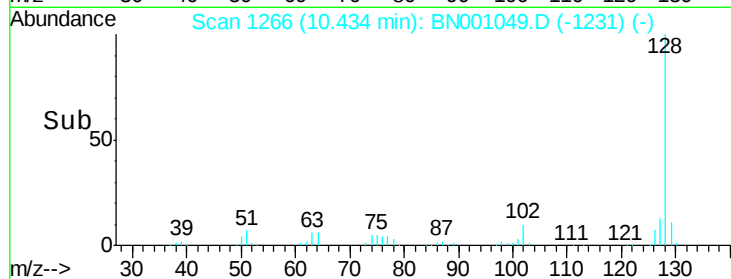
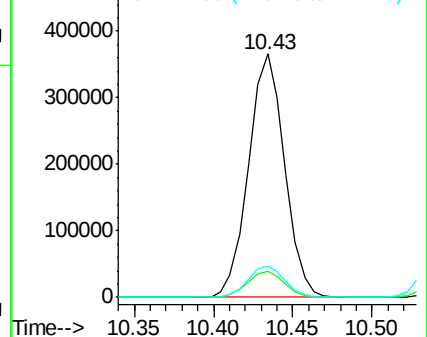
127 13.0 10.6 16.0



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: 20.149 ng/ul

RT: 12.05 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BN001049.D

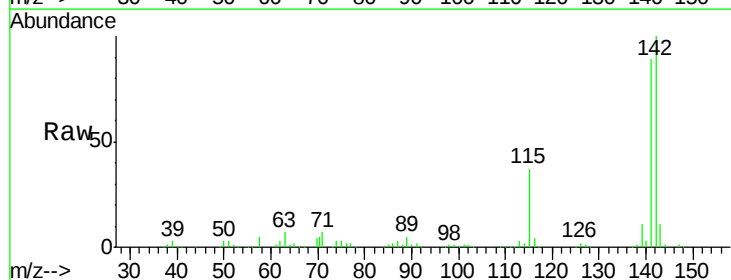
Acq: 02 May 2018 02:19

Tgt Ion:142 Resp: 382938

Ion Ratio Lower Upper

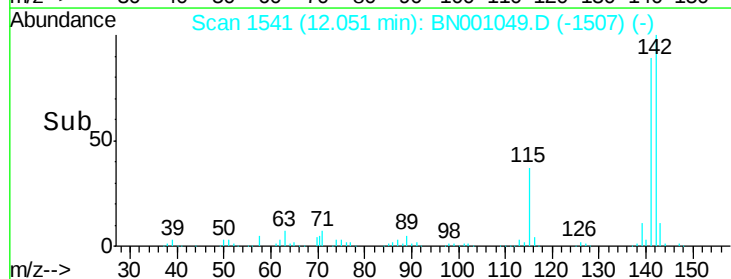
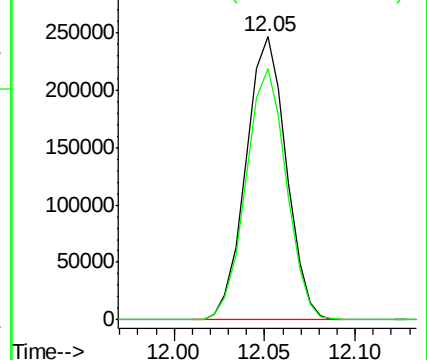
142 100

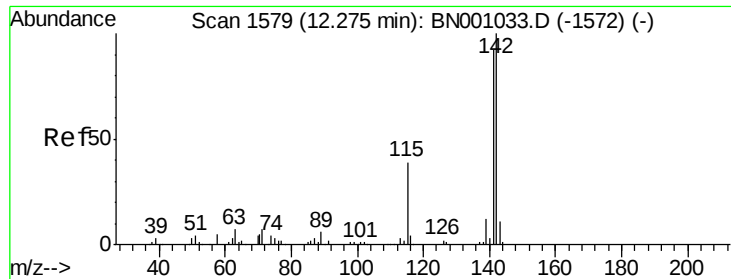
141 88.6 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.119 ng/ul

RT: 12.27 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

Instrument :

BNA_N

ClientSampleId :

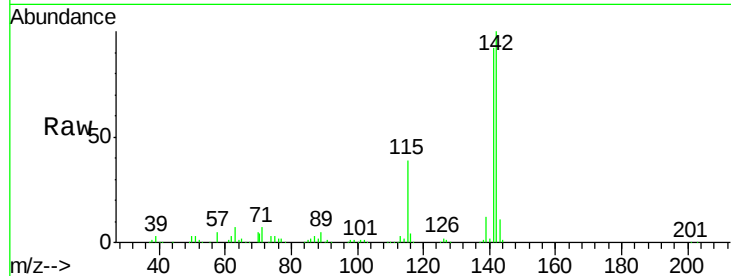
Tot Ion:142 Resp: 375025

Ion Ratio Lower Upper

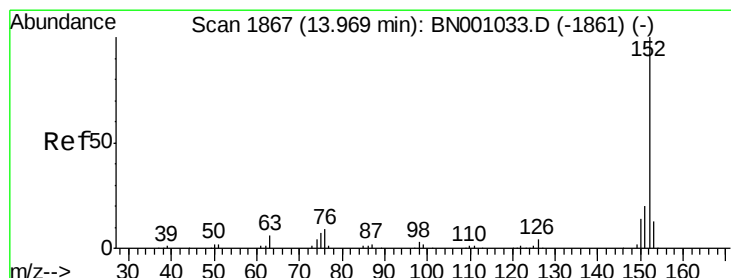
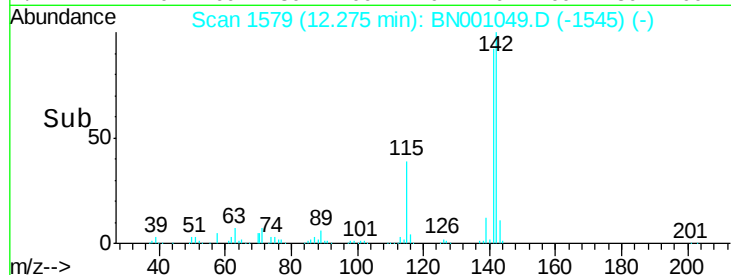
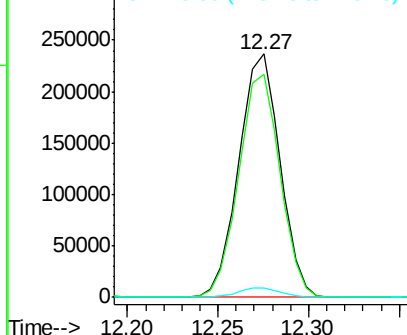
142 100

141 91.7 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: 20.662 ng/ul

RT: 13.97 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

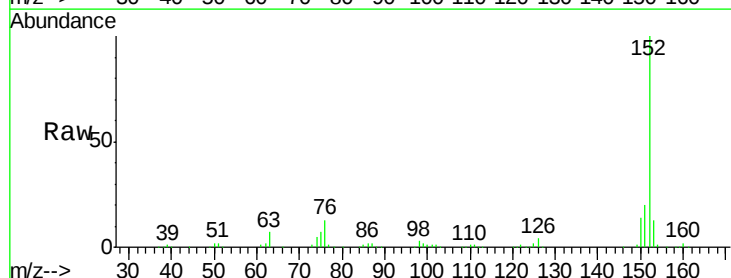
Tgt Ion:152 Resp: 549233

Ion Ratio Lower Upper

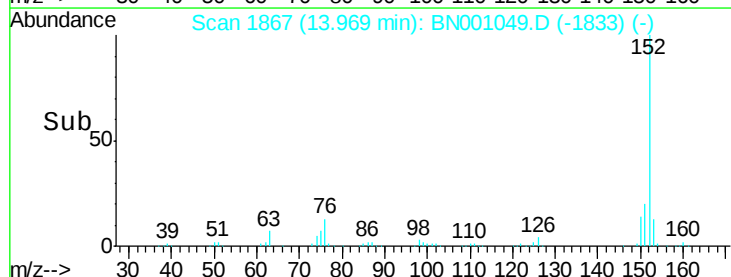
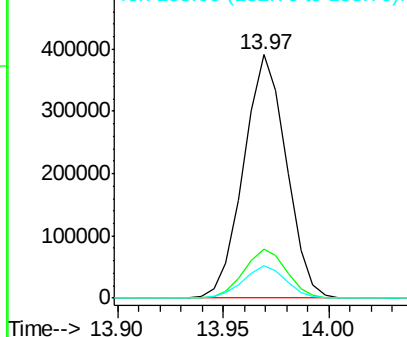
152 100

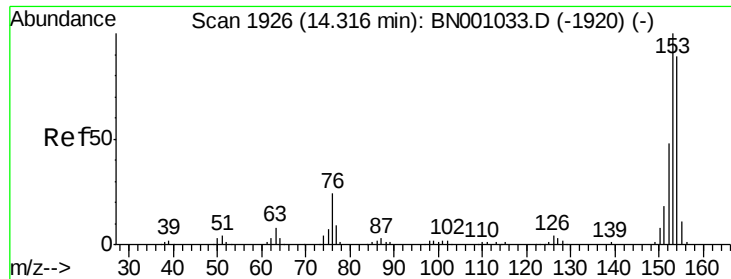
151 20.1 16.7 25.1

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: 20.383 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

Instrument :

BNA_N

ClientSampleId :

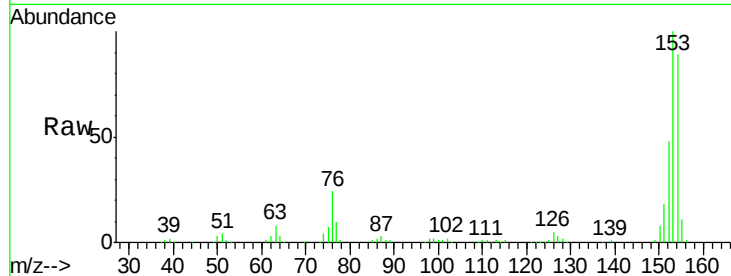
Tot Ion:153 Resp: 374348

Ion Ratio Lower Upper

153 100

152 47.7 39.0 58.6

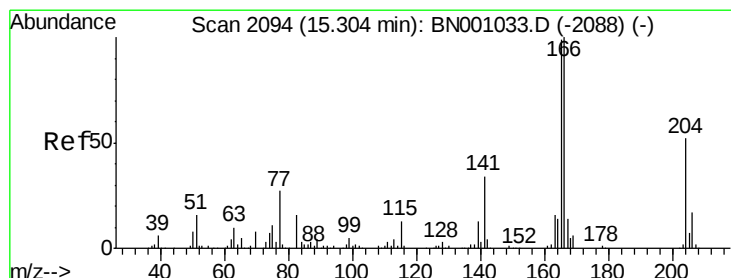
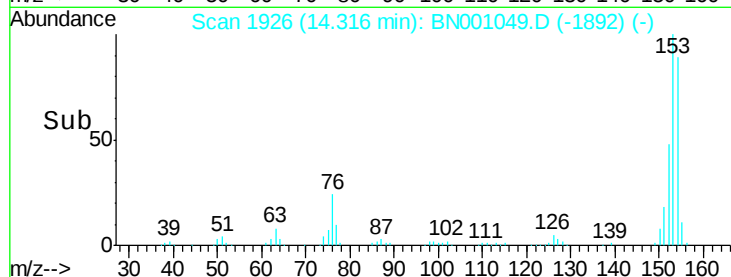
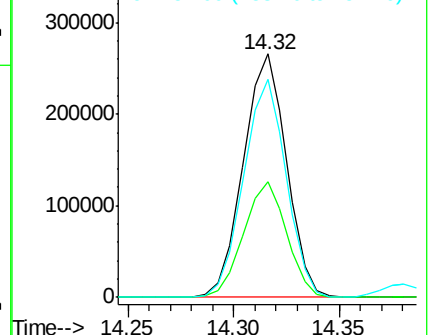
154 89.4 66.8 100.2



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: 20.239 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

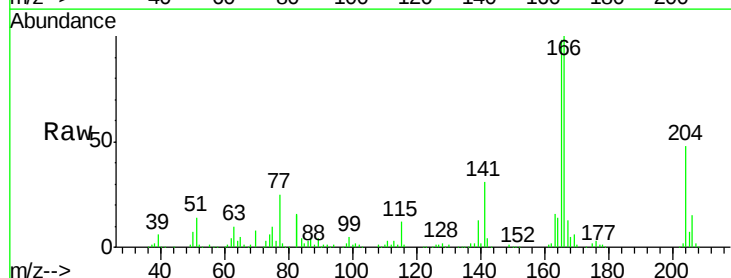
Tgt Ion:166 Resp: 395700

Ion Ratio Lower Upper

166 100

165 97.6 83.8 125.8

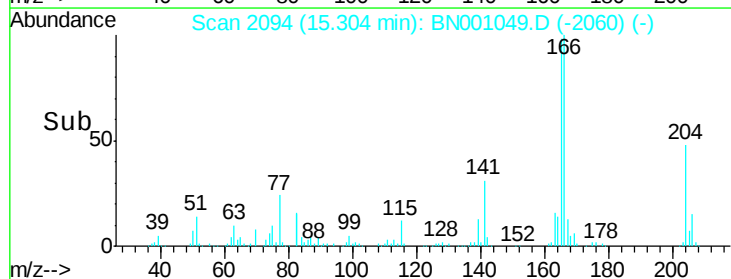
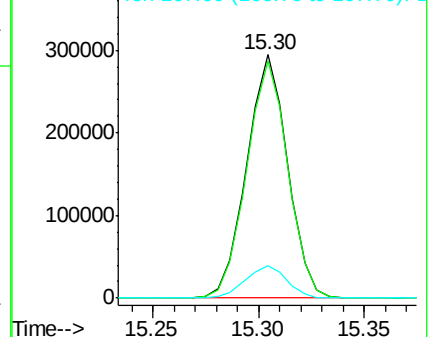
167 13.5 11.5 17.3

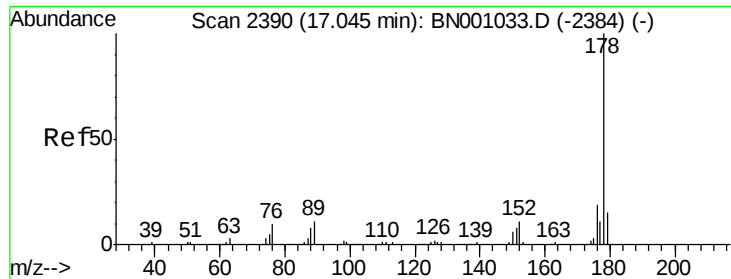


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.970 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

Instrument :

BNA_N

ClientSampleId :

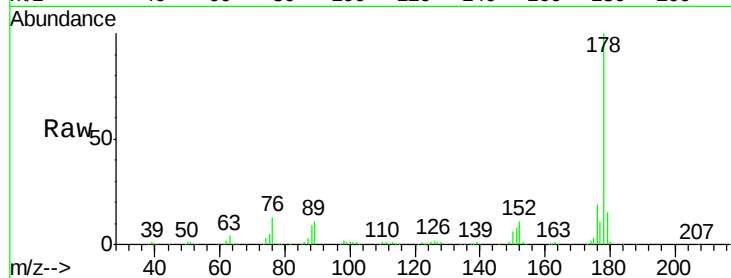
Tot Ion:178 Resp: 583403

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

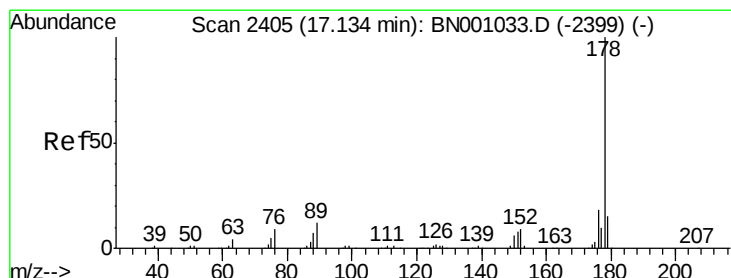
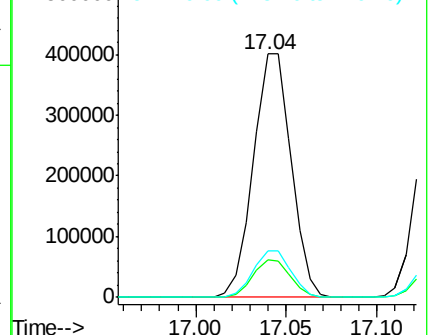
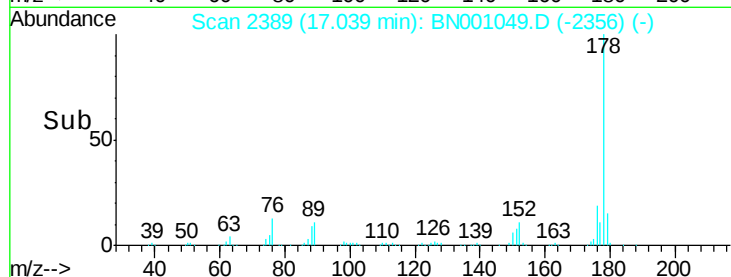
176 19.1 15.1 22.7



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



#15

Anthracene

Concen: 20.290 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

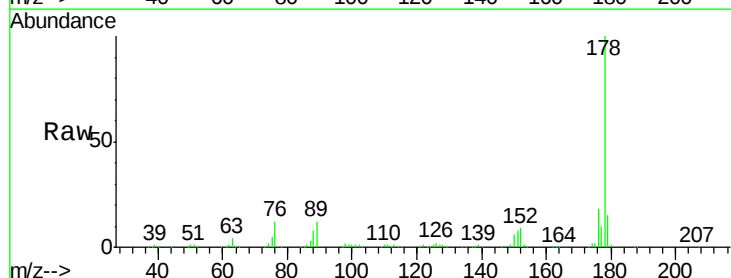
Tgt Ion:178 Resp: 594549

Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.8

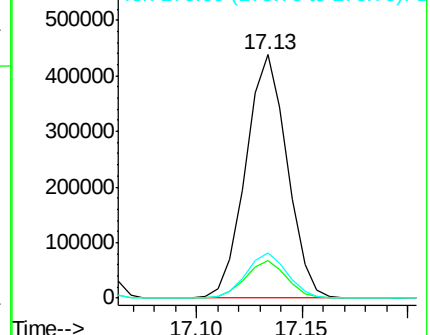
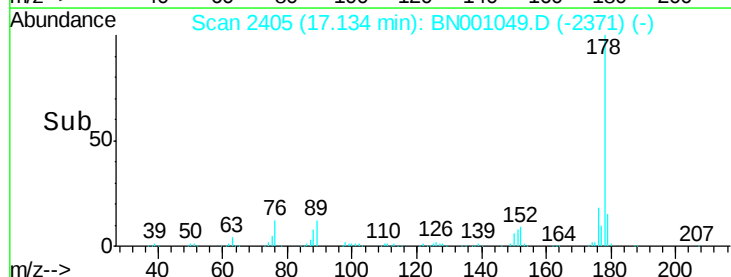
176 18.4 15.2 22.8

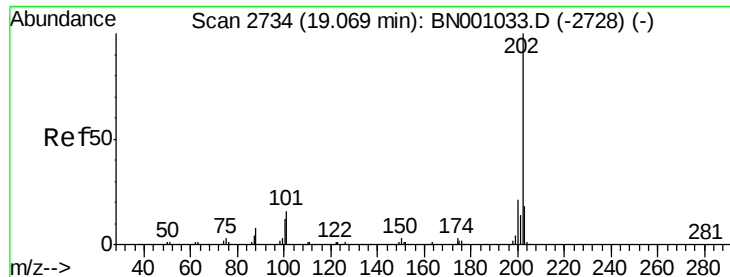


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

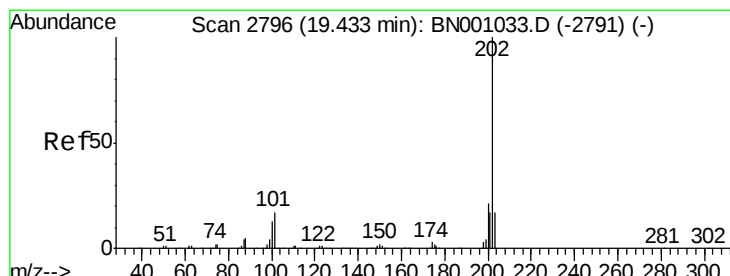
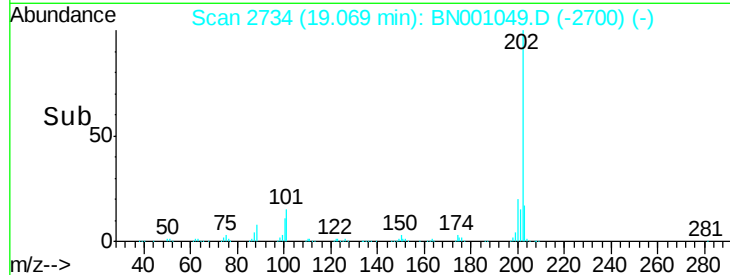
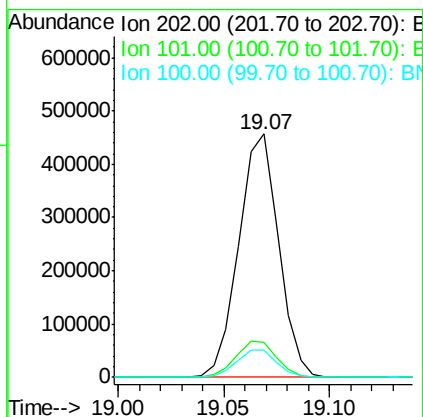
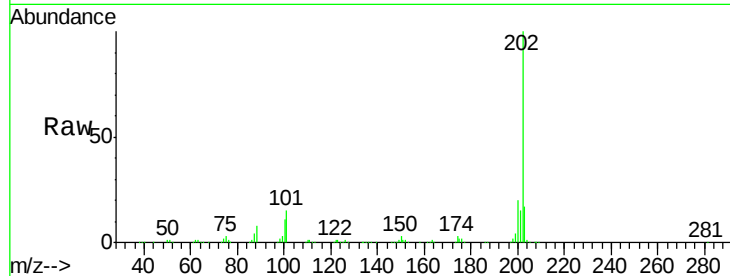




#16
Fluoranthene
 Concen: 20.201 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: BN001049.D
 Acq: 02 May 2018 02:19

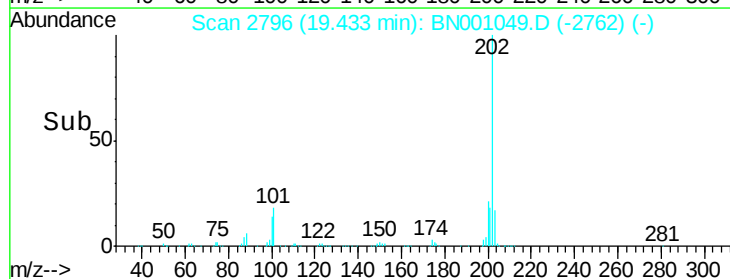
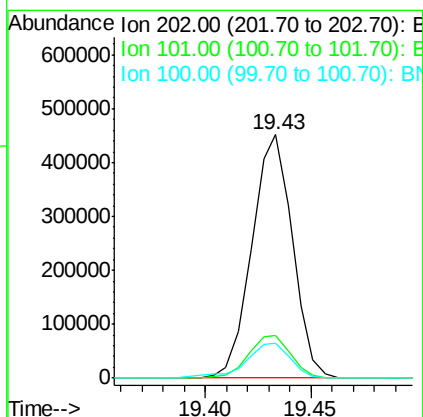
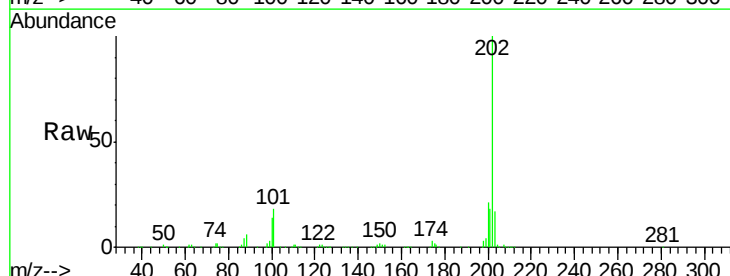
Instrument :
 BNA_N
 ClientSampleId :

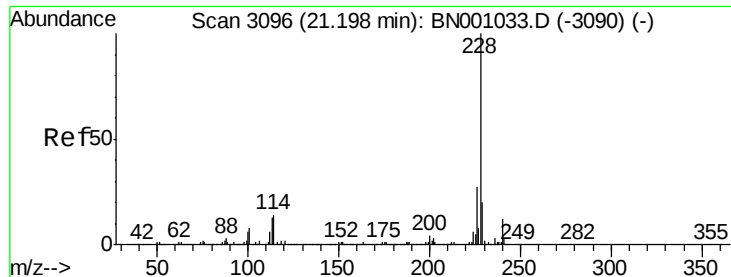
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.6	9.9	14.9
100	11.0	7.4	11.0



#19
Pyrene
 Concen: 20.335 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. -0.00 min
 Lab File: BN001049.D
 Acq: 02 May 2018 02:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.8	11.0	16.4#
100	14.4	8.1	12.1#

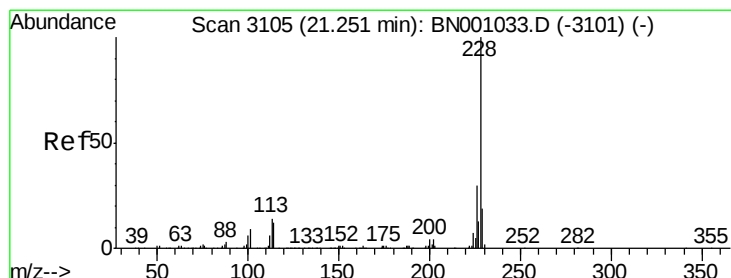
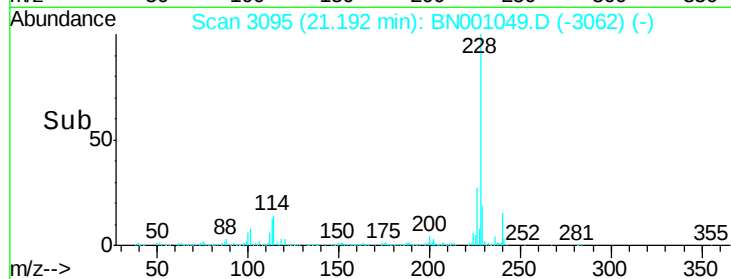
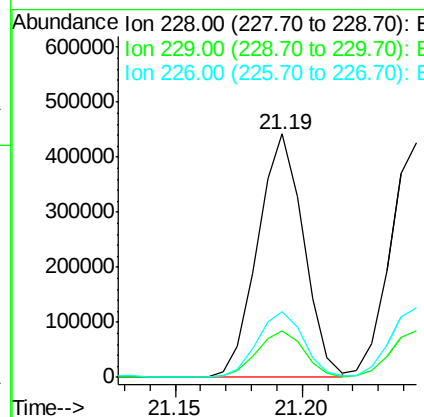
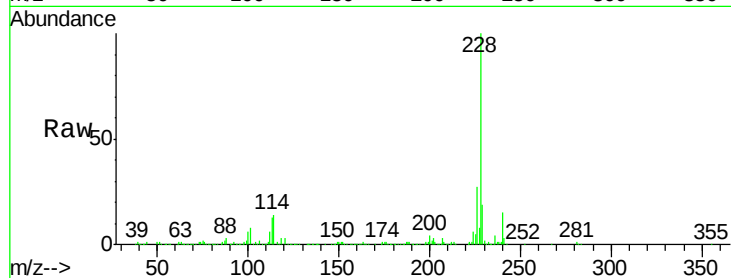




#20
Benzo(a)anthracene
Concen: 20.202 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN001049.D
Acq: 02 May 2018 02:19

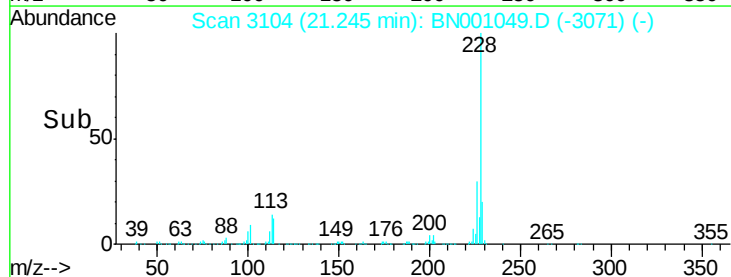
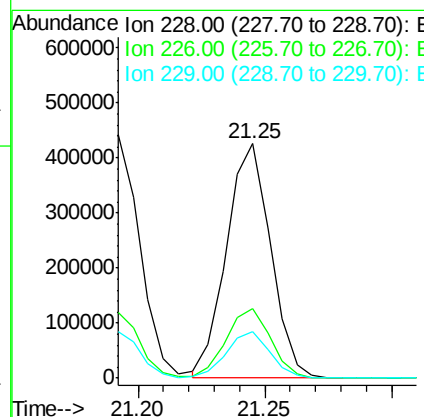
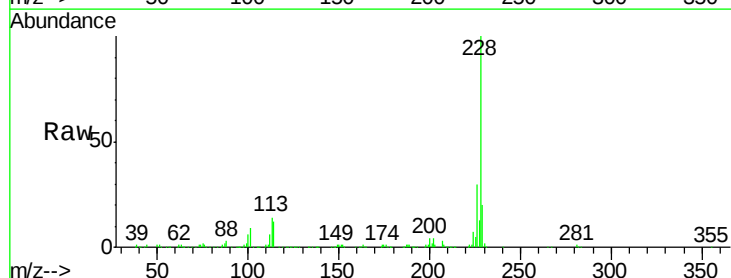
Instrument :
BNA_N
ClientSampled :

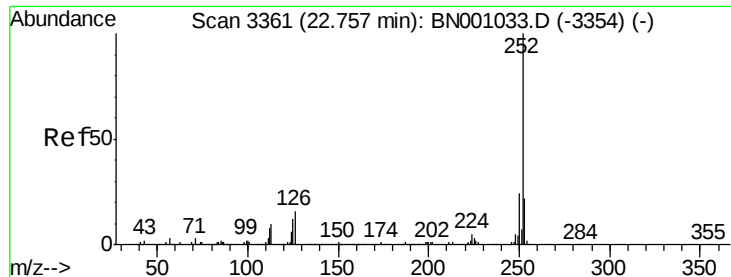
Tot Ion:228 Resp: 555499
Ion Ratio Lower Upper
228 100
229 19.4 15.7 23.5
226 26.9 21.1 31.7



#21
Chrysene
Concen: 19.900 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN001049.D
Acq: 02 May 2018 02:19

Tgt Ion:228 Resp: 514320
Ion Ratio Lower Upper
228 100
226 29.8 24.5 36.7
229 19.7 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 22.066 ng/ul

RT: 22.75 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

Instrument :

BNA_N

ClientSampleId :

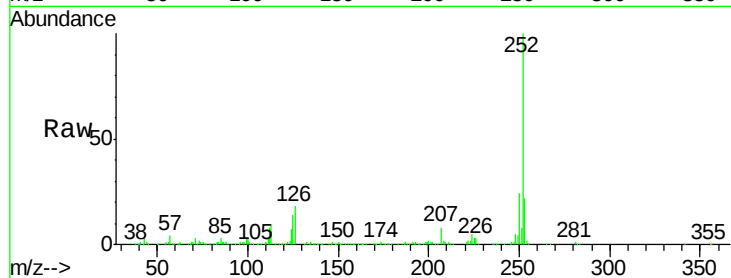
Tot Ion:252 Resp: 593913

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

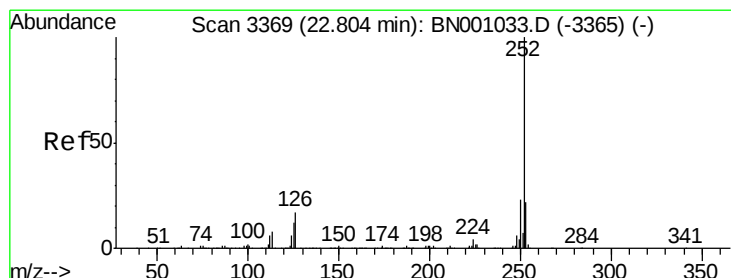
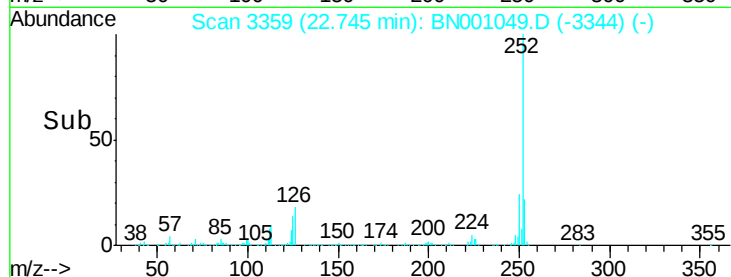
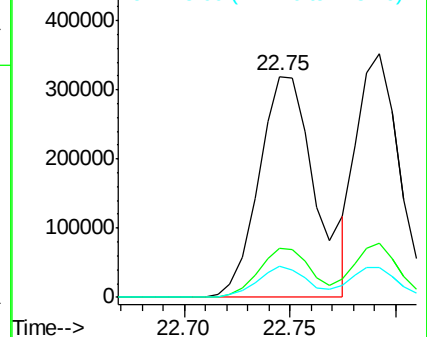
125 14.1 8.0 12.0#



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: 18.386 ng/ul

RT: 22.79 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

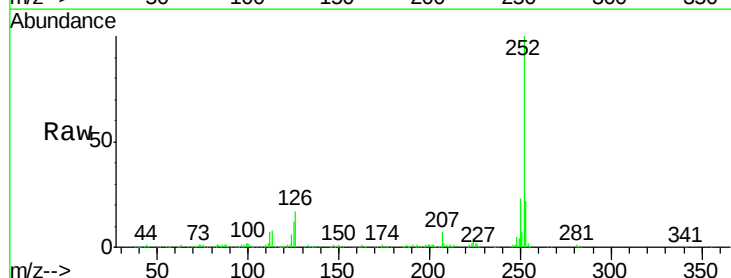
Tgt Ion:252 Resp: 484252

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

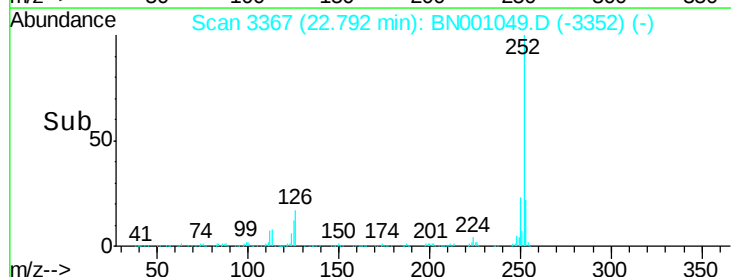
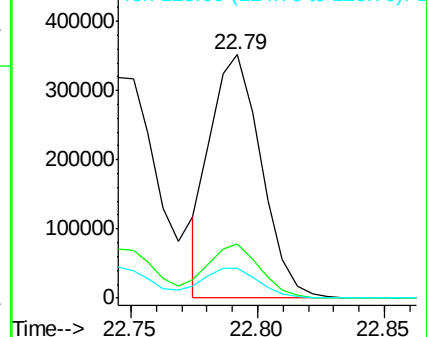
125 12.1 8.1 12.1#

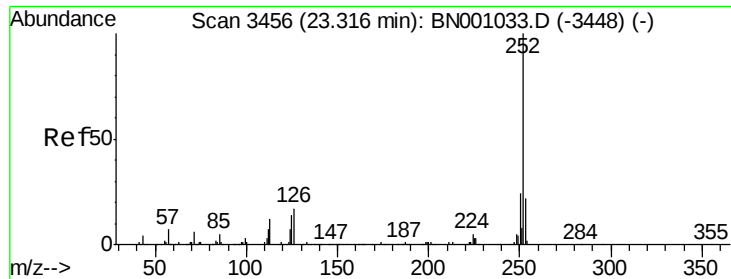


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.370 ng/u1

RT: 23.31 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

Instrument :

BNA_N

ClientSampleId :

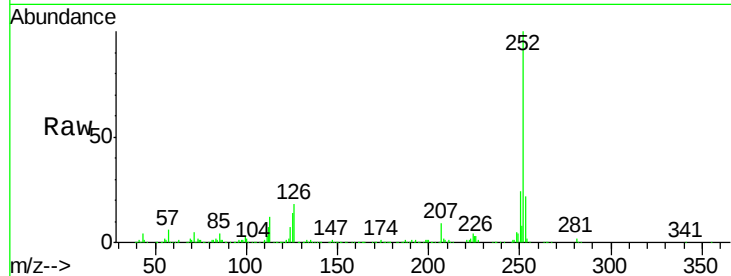
Tot Ion:252 Resp: 523978

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

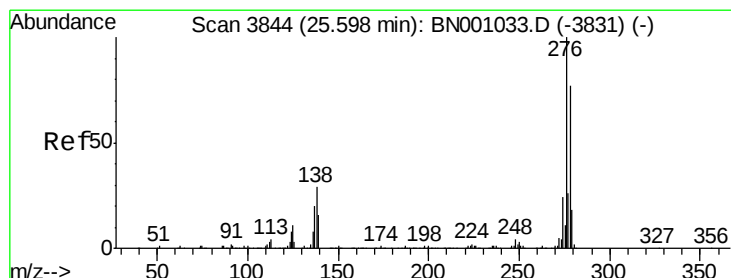
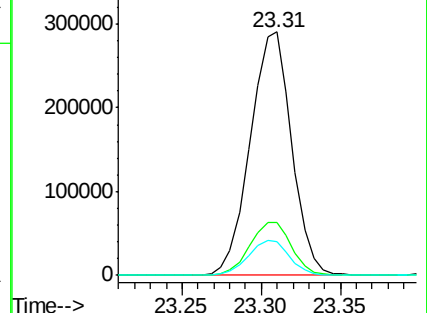
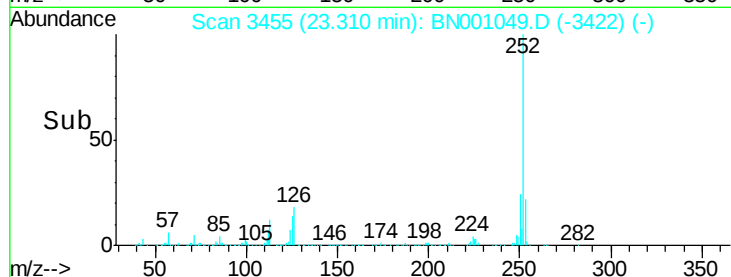
125 13.9 8.2 12.4#



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: 20.253 ng/u1

RT: 25.58 min Scan# 3841

Delta R.T. -0.02 min

Lab File: BN001049.D

Acq: 02 May 2018 02:19

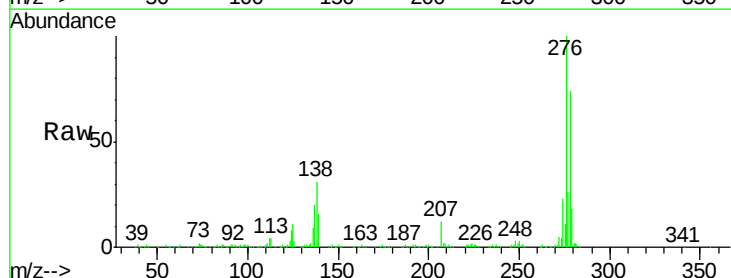
Tgt Ion:276 Resp: 629256

Ion Ratio Lower Upper

276 100

138 30.9 14.4 21.6#

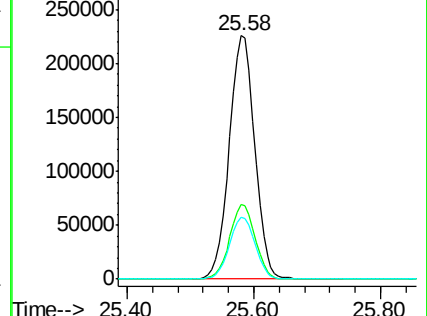
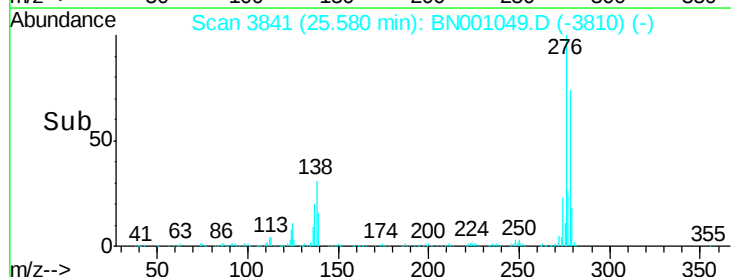
277 25.6 18.0 27.0

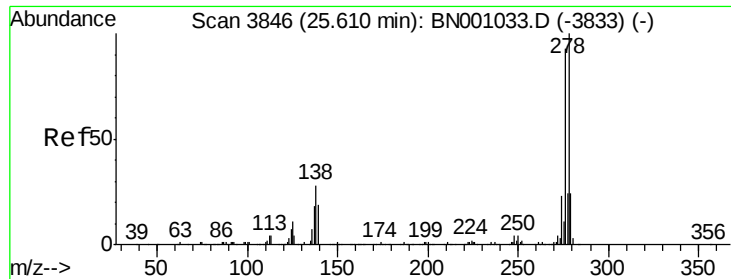


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



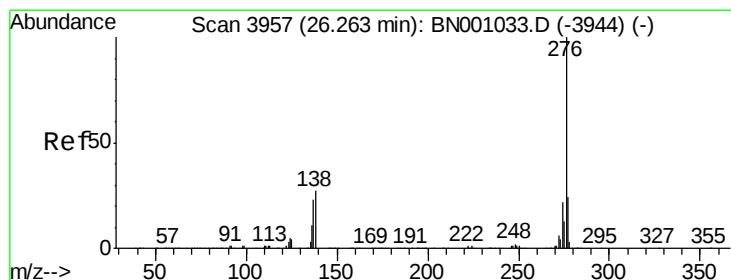
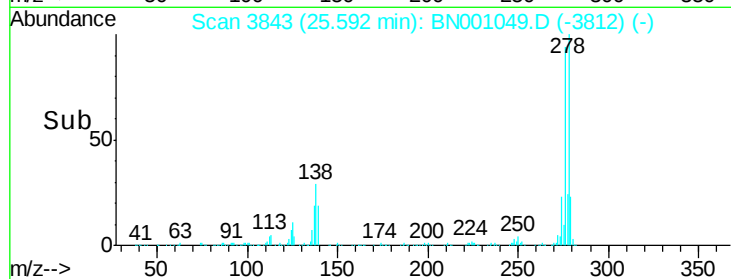
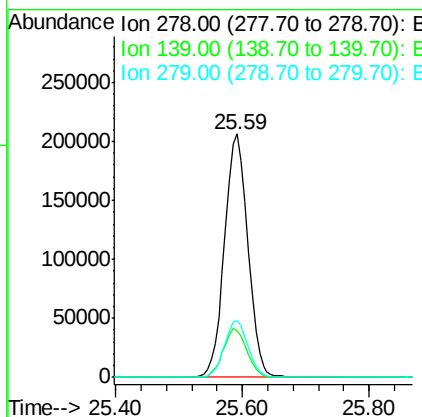
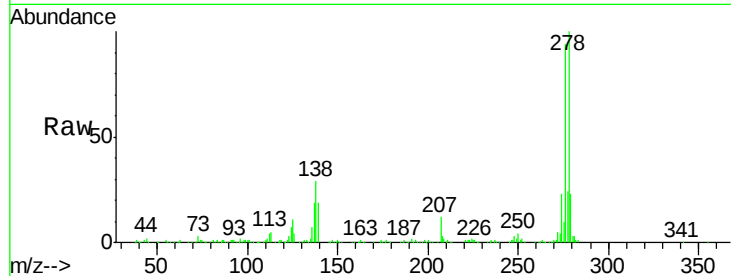


#28

Dibenzo(a,h)anthracene
 Concen: 20.256 ng/ul
 RT: 25.59 min Scan# 3843
 Delta R.T. -0.02 min
 Lab File: BN001049.D
 Acq: 02 May 2018 02:19

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:278 Resp: 524517
 Ion Ratio Lower Upper
 278 100
 139 19.2 12.2 18.4#
 279 23.4 19.2 28.8



#29

Benzo(g,h,i)perylene
 Concen: 20.148 ng/ul
 RT: 26.25 min Scan# 3955
 Delta R.T. -0.01 min
 Lab File: BN001049.D
 Acq: 02 May 2018 02:19

Tgt Ion:276 Resp: 523551
 Ion Ratio Lower Upper
 276 100
 138 26.3 15.3 22.9#
 277 23.2 19.0 28.4

