

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070218\
 Data File : BN001933.D
 Acq On : 02 Jul 2018 14:27
 Operator : JU/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 03 01:52:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN061318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 03 01:51:51 2018
 Response via : Initial Calibration

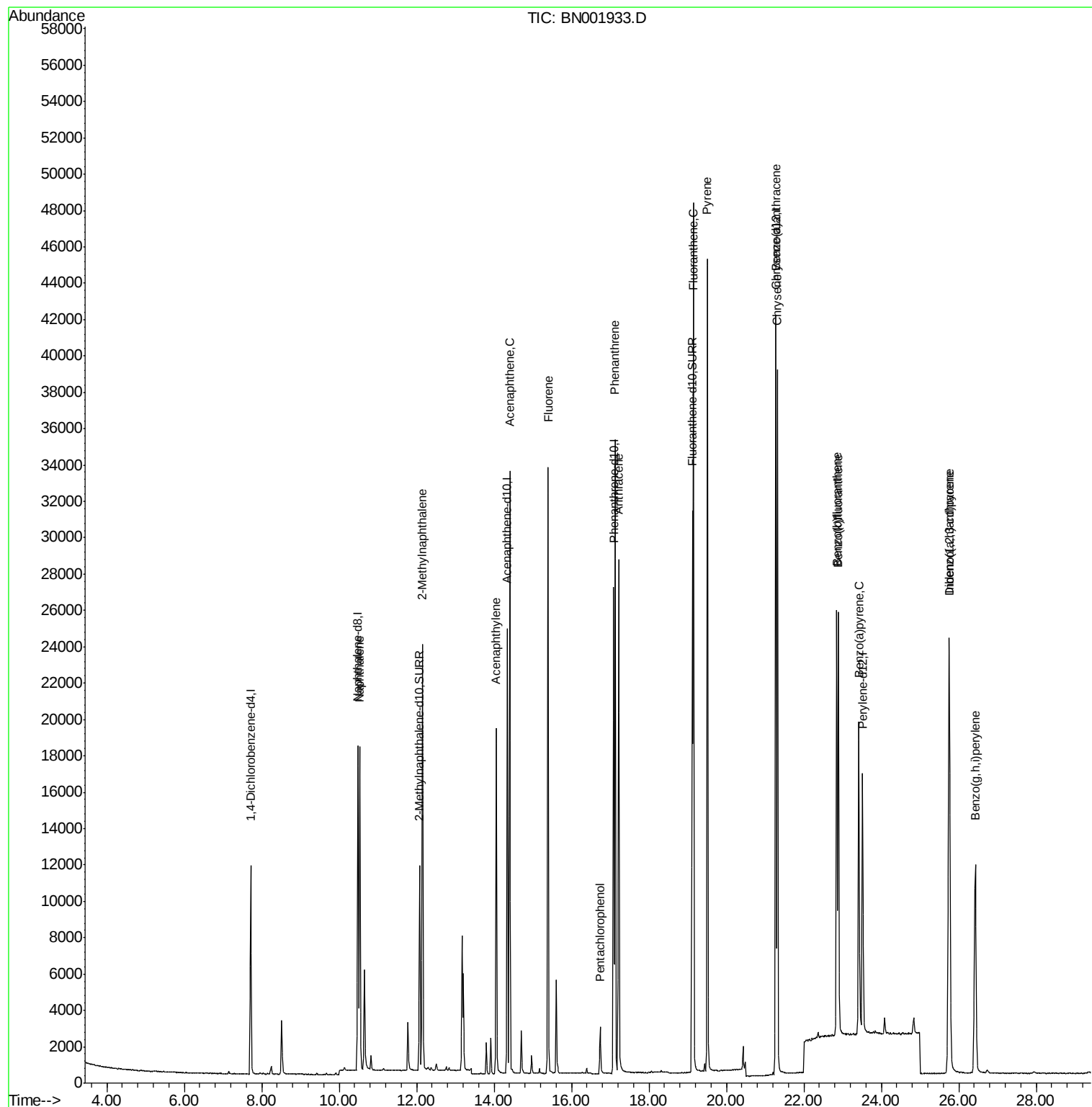
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	6048	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	23846	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.34	164	13648	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	31662	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	24772	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	19707	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	15223	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	34351	0.36	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.53	128	24293	0.395	ng/ul	96
5) 2-Methylnaphthalene	12.15	142	17297	0.394	ng/ul	98
7) Acenaphthylene	14.06	152	22319	0.334	ng/ul	95
8) Acenaphthene	14.40	153	18920	0.386	ng/ul	97
9) Fluorene	15.39	166	21737	0.379	ng/ul#	94
11) Pentachlorophenol	16.74	266	1966	0.328	ng/ul	98
12) Phenanthrene	17.13	178	37046	0.392	ng/ul#	89
13) Anthracene	17.22	178	31325	0.350	ng/ul#	91
15) Fluoranthene	19.15	202	39960	0.356	ng/ul	96
17) Pyrene	19.51	202	39315	0.437	ng/ul	97
18) Benzo(a)anthracene	21.27	228	30426	0.355	ng/ul#	85
19) Chrysene	21.32	228	33025	0.388	ng/ul	97
21) Benzo(b)fluoranthene	22.85	252	29190	0.408	ng/ul	86
22) Benzo(k)fluoranthene	22.89	252	29815	0.418	ng/ul#	88
23) Benzo(a)pyrene	23.42	252	25344	0.382	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.75	276	28999	0.389	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.76	278	22817	0.384	ng/ul#	91
26) Benzo(g,h,i)perylene	26.43	276	24077	0.380	ng/ul	97

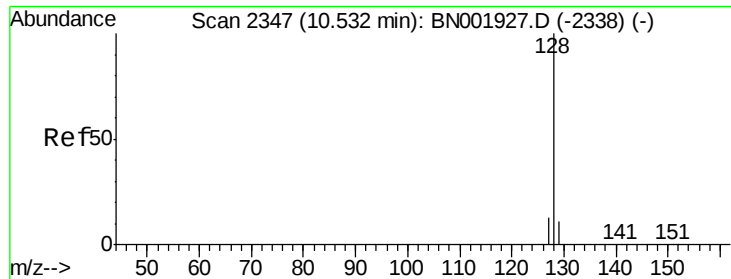
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.395 ng/ul

RT: 10.53 min Scan# 2347

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

Instrument :

BNA_N

ClientSampleId :

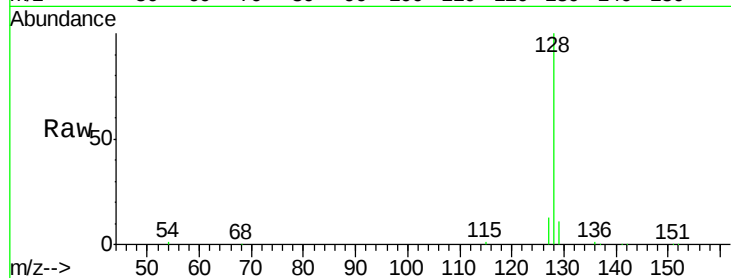
Tot Ion:128 Resp: 24293

Ion Ratio Lower Upper

128 100

129 11.4 8.0 12.0

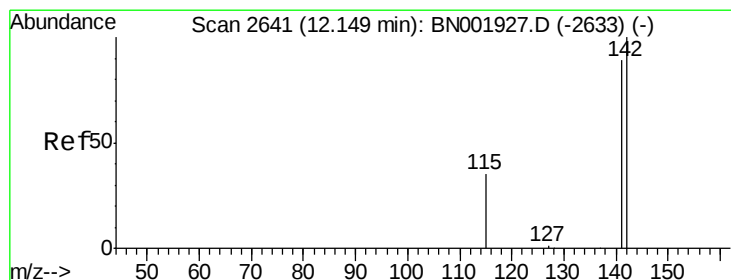
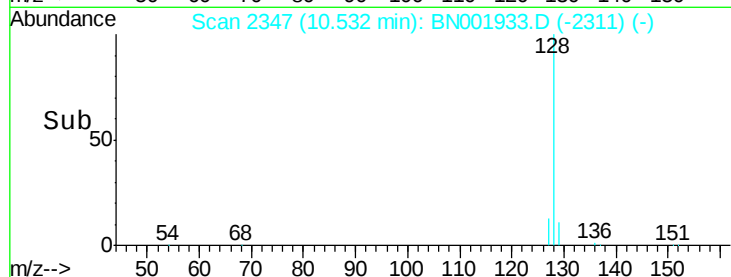
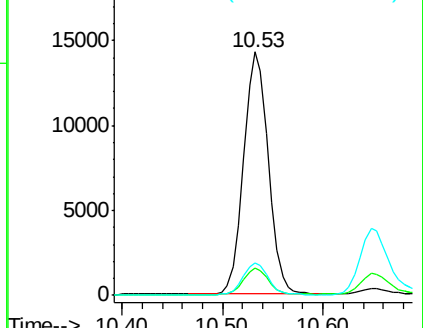
127 13.4 12.0 18.0



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



#5

2-Methylnaphthalene

Concen: 0.394 ng/ul

RT: 12.15 min Scan# 2641

Delta R.T. 0.00 min

Lab File: BN001933.D

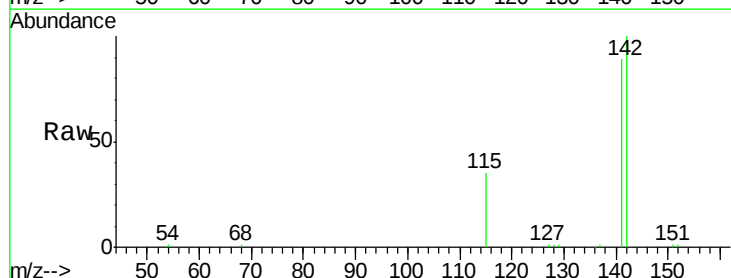
Acq: 02 Jul 2018 14:27

Tgt Ion:142 Resp: 17297

Ion Ratio Lower Upper

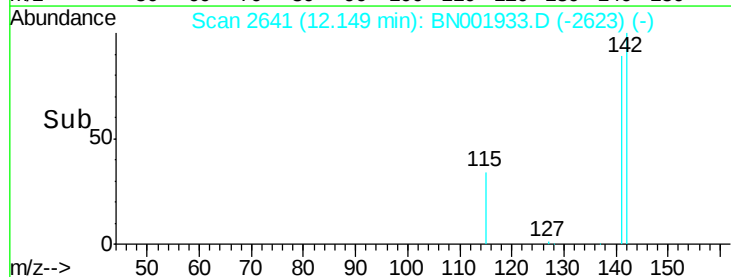
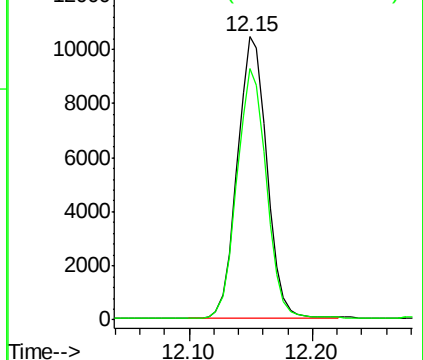
142 100

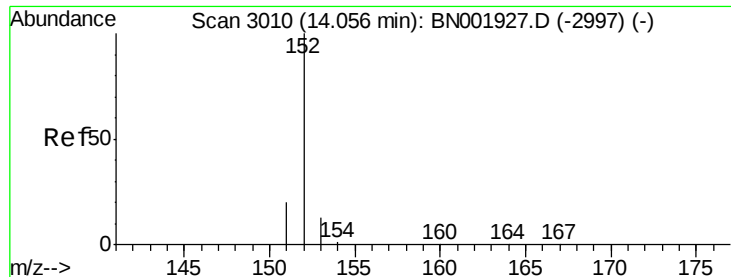
141 88.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.334 ng/ul

RT: 14.06 min Scan# 3010

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

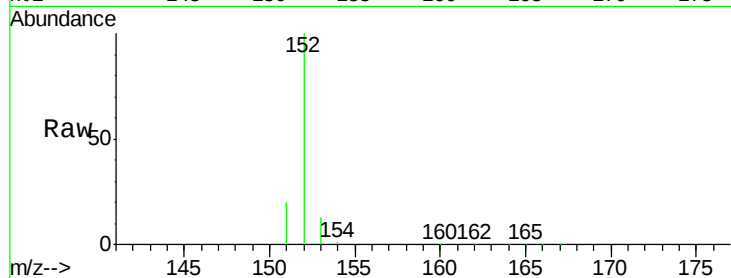
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 22319

Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.1	25.7
153	13.2	12.8	19.2

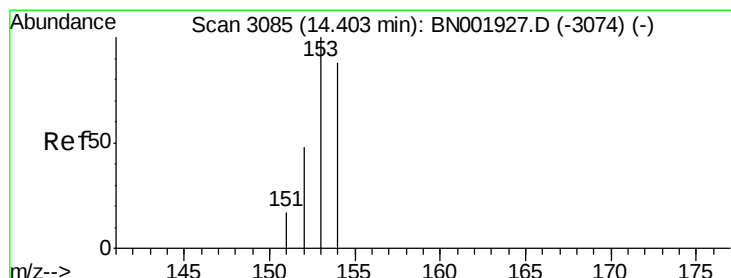
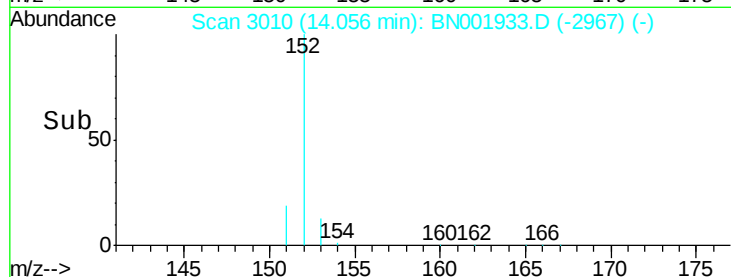
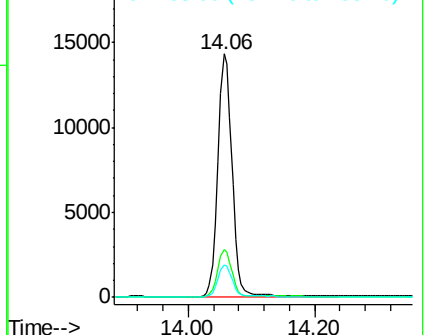


Abundance

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



#8

Acenaphthene

Concen: 0.386 ng/ul

RT: 14.40 min Scan# 3085

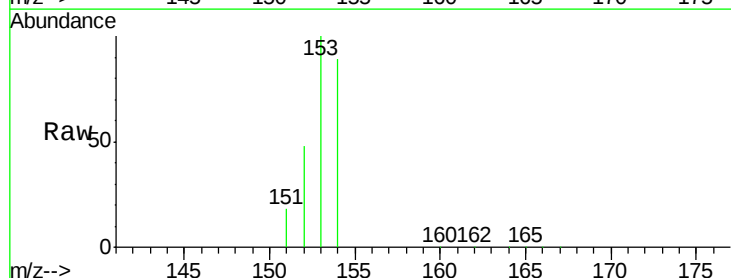
Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

Tgt Ion:153 Resp: 18920

Ion	Ratio	Lower	Upper
153	100		
152	48.4	36.0	54.0
154	88.9	72.0	108.0

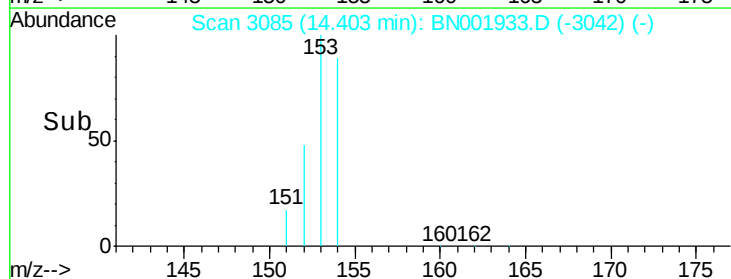
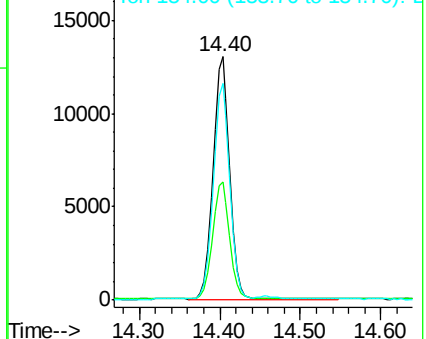


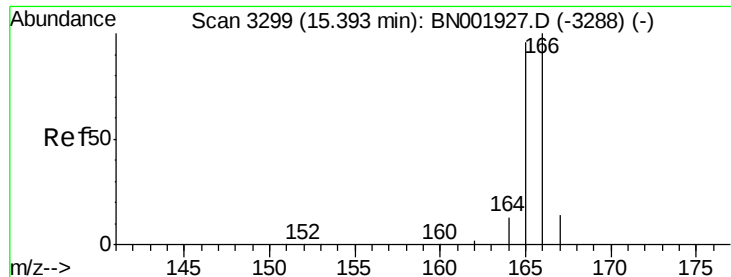
Abundance

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

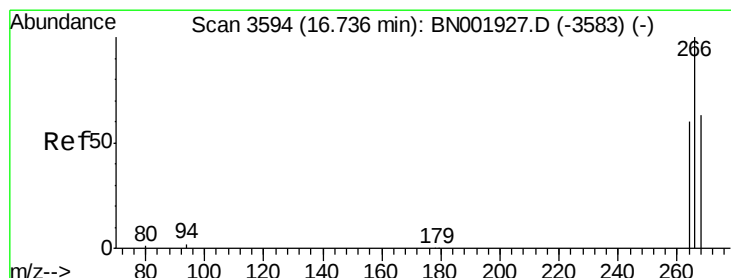
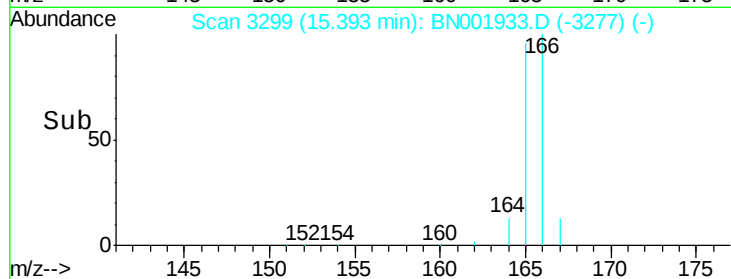
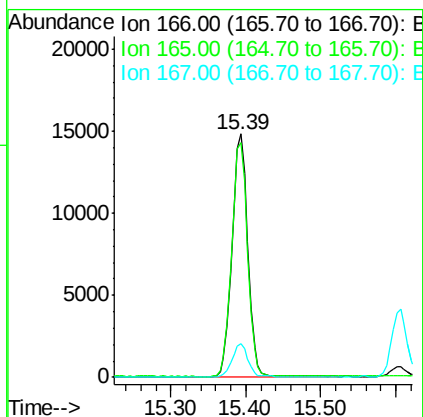
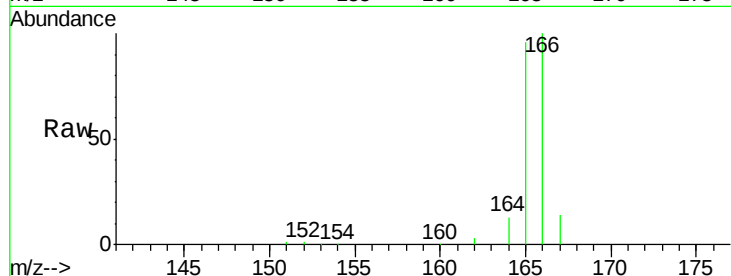




#9
Fluorene
 Concen: 0.379 ng/ul
 RT: 15.39 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: BN001933.D
 Acq: 02 Jul 2018 14:27

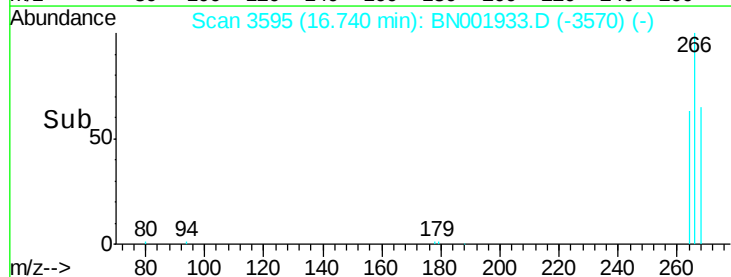
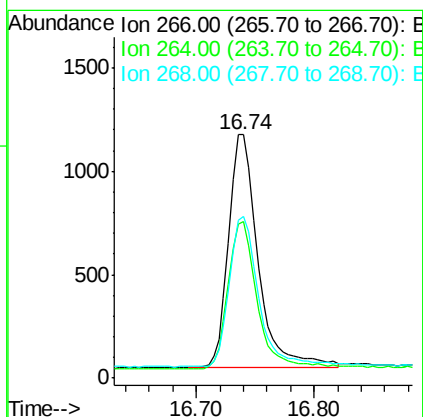
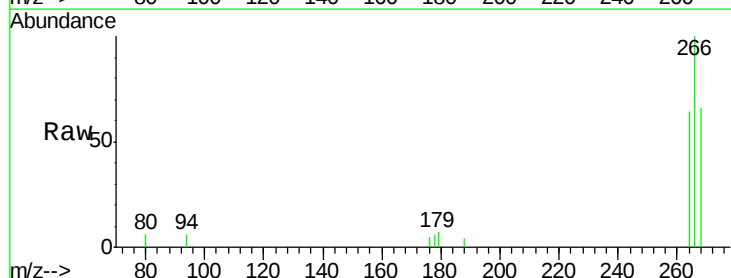
Instrument :
 BNA_N
 ClientSampleId :

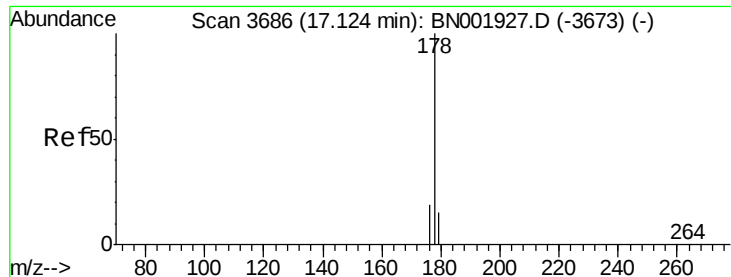
Tot Ion:166 Resp: 21737
 Ion Ratio Lower Upper
 166 100
 165 96.4 73.4 110.2
 167 13.8 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.328 ng/ul
 RT: 16.74 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: BN001933.D
 Acq: 02 Jul 2018 14:27

Tgt Ion:266 Resp: 1966
 Ion Ratio Lower Upper
 266 100
 264 62.2 47.9 71.9
 268 63.6 49.8 74.8





#12

Phenanthrene

Concen: 0.392 ng/ul

RT: 17.13 min Scan# 3687

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

Instrument :

BNA_N

ClientSampleId :

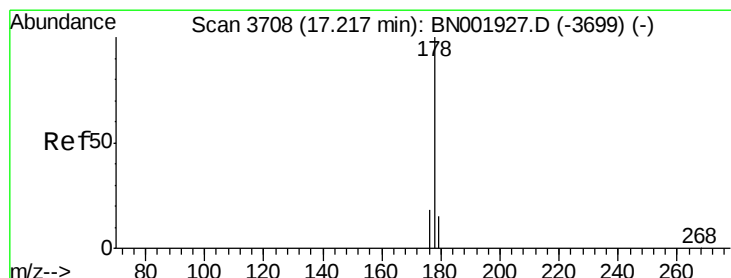
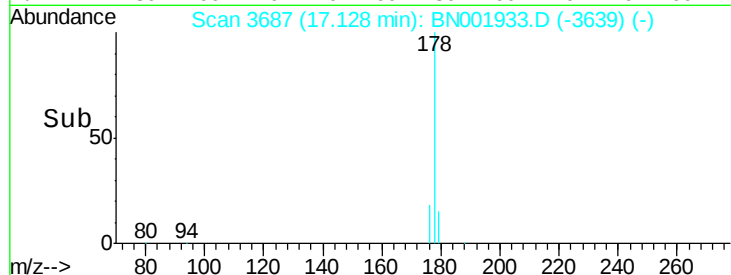
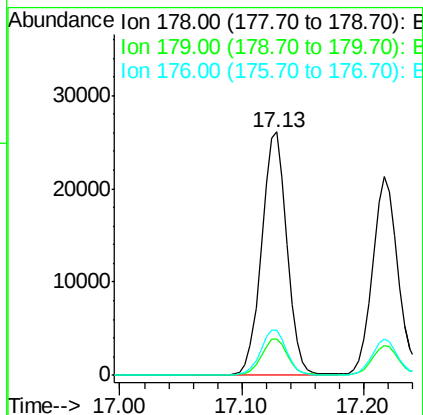
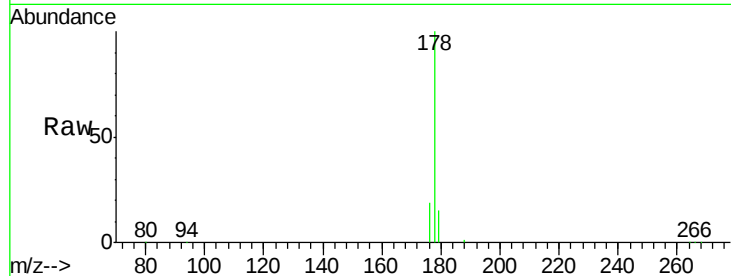
Tot Ion:178 Resp: 37046

Ion Ratio Lower Upper

178 100

179 15.1 18.4 27.6#

176 18.7 13.6 20.4



#13

Anthracene

Concen: 0.350 ng/ul

RT: 17.22 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

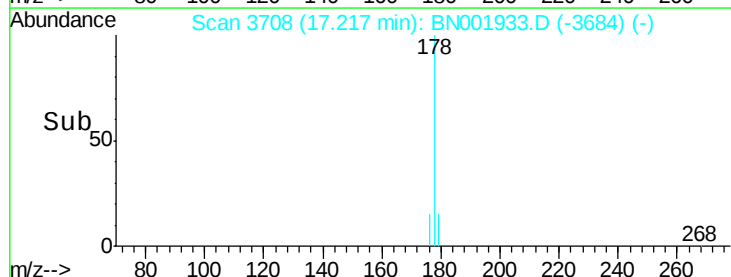
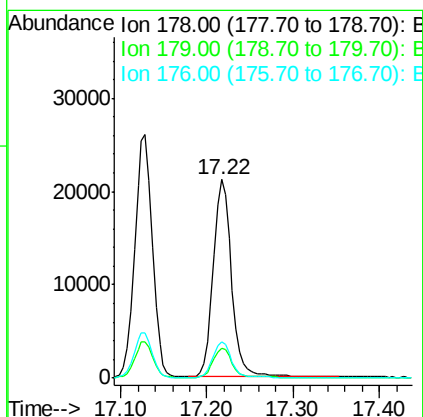
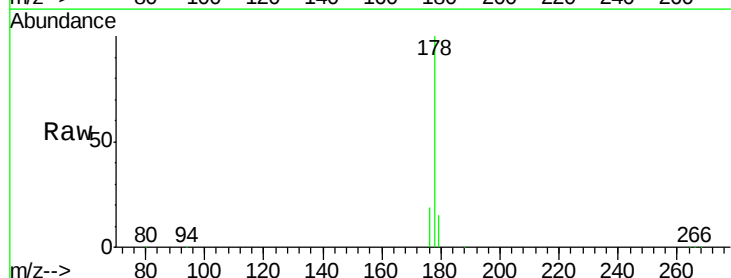
Tgt Ion:178 Resp: 31325

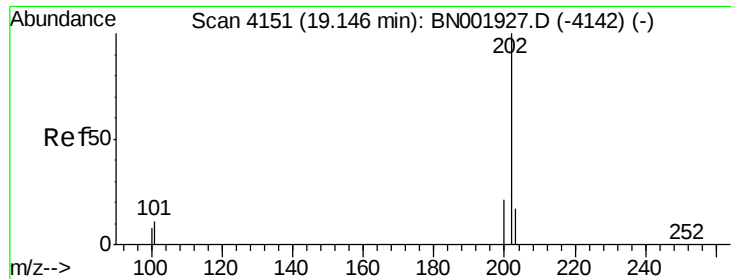
Ion Ratio Lower Upper

178 100

179 15.3 18.1 27.1#

176 18.5 14.7 22.1





#15

Fluoranthene

Concen: 0.356 ng/ul

RT: 19.15 min Scan# 4151

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

Instrument :

BNA_N

ClientSampleId :

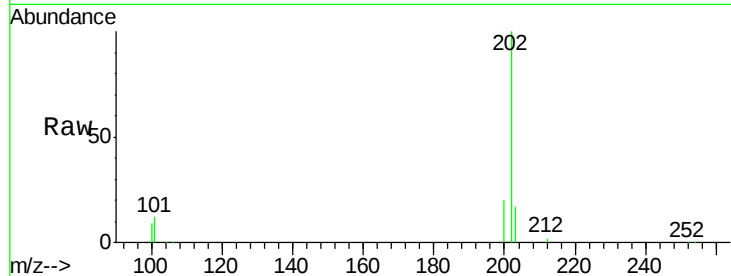
Tot Ion:202 Resp: 39960

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.0

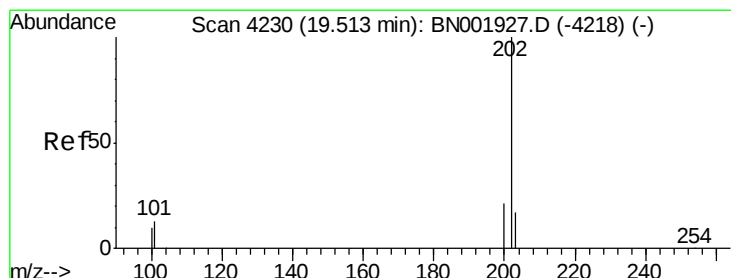
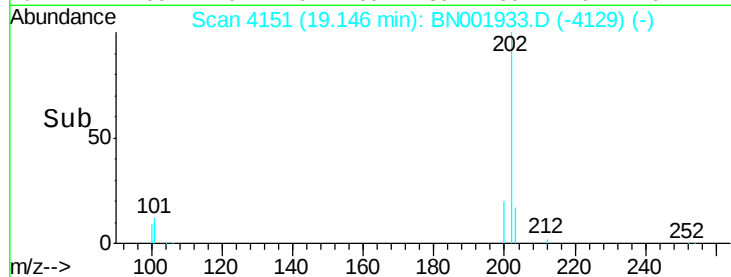
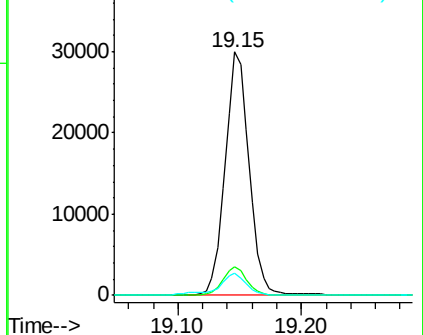
100 8.9 0.0 30.0



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



#17

Pyrene

Concen: 0.437 ng/ul

RT: 19.51 min Scan# 4230

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

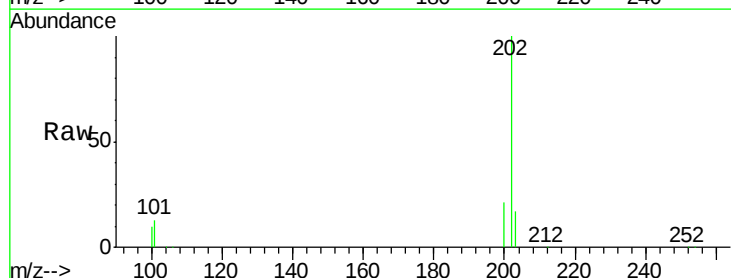
Tgt Ion:202 Resp: 39315

Ion Ratio Lower Upper

202 100

101 12.8 12.0 18.0

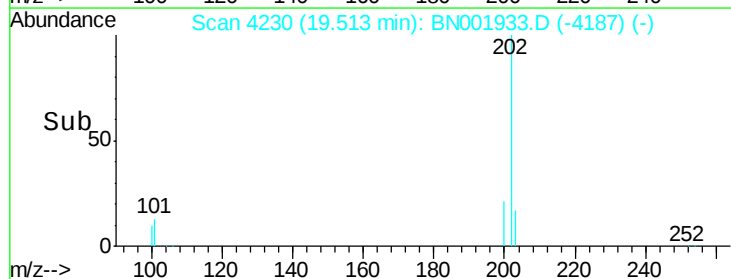
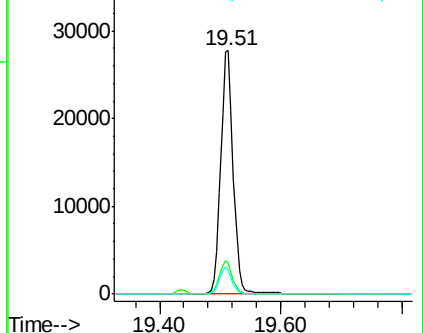
100 9.8 8.0 12.0

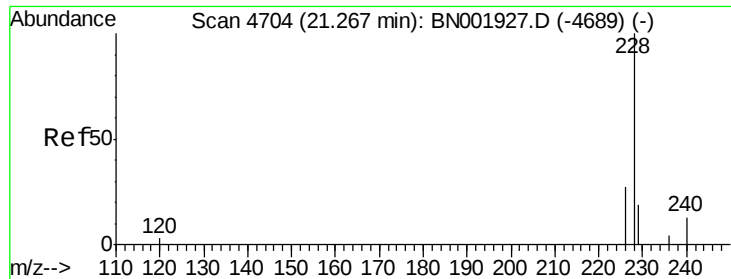


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.355 ng/ul

RT: 21.27 min Scan# 4705

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

Instrument :

BNA_N

ClientSampleId :

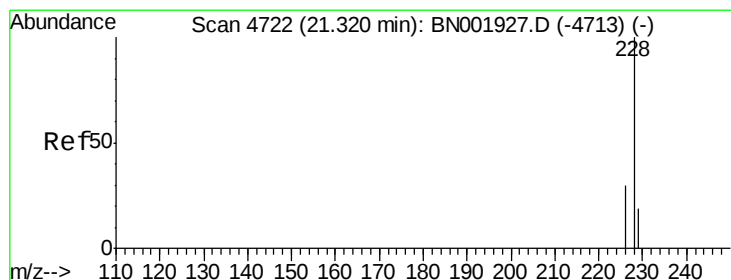
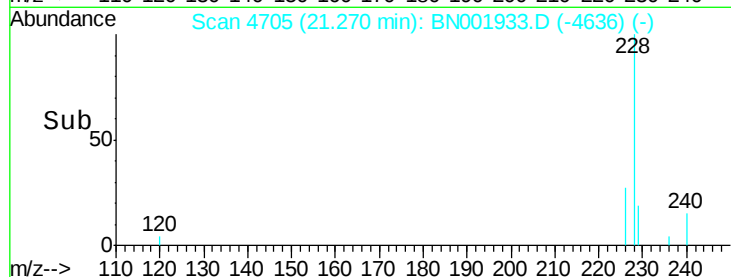
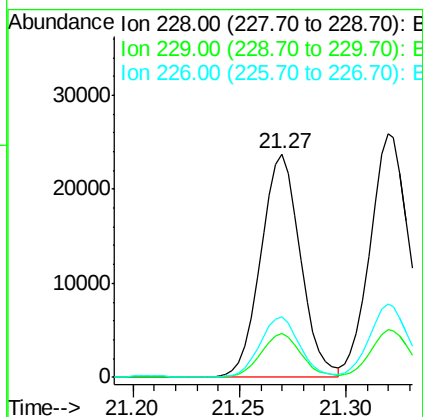
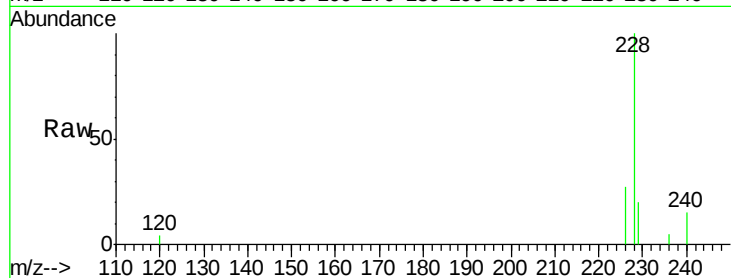
Tot Ion:228 Resp: 30426

Ion Ratio Lower Upper

228 100

229 19.6 22.8 34.2#

226 27.0 17.0 25.6#



#19

Chrysene

Concen: 0.388 ng/ul

RT: 21.32 min Scan# 4722

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

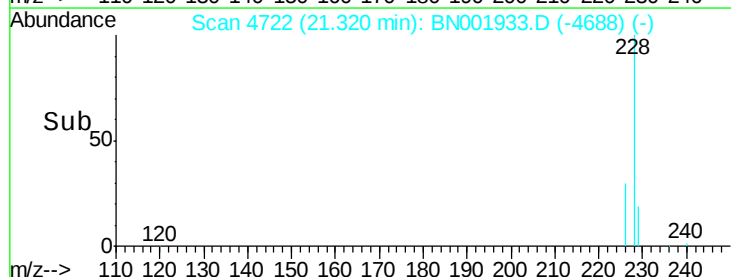
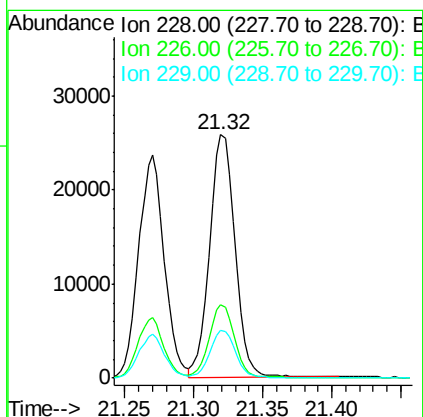
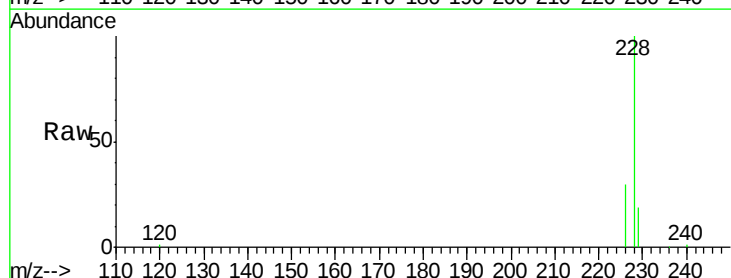
Tgt Ion:228 Resp: 33025

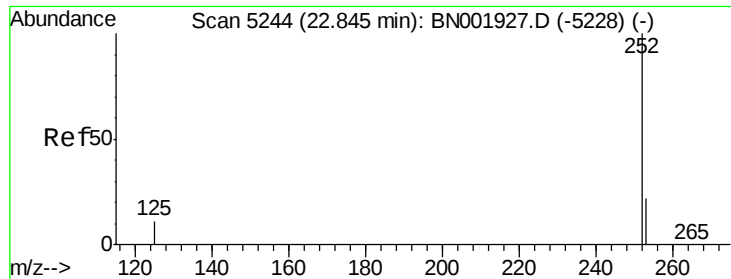
Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

229 19.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.408 ng/ul

RT: 22.85 min Scan# 5245

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

Instrument :

BNA_N

ClientSampleId :

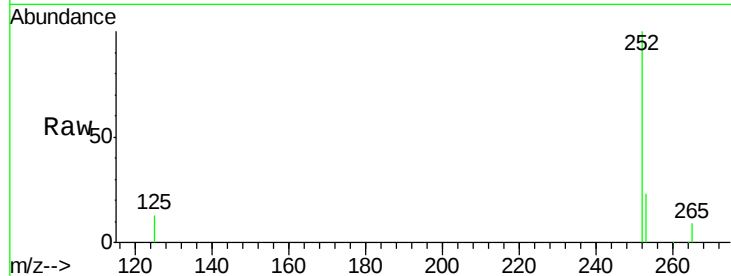
Tot Ion:252 Resp: 29190

Ion Ratio Lower Upper

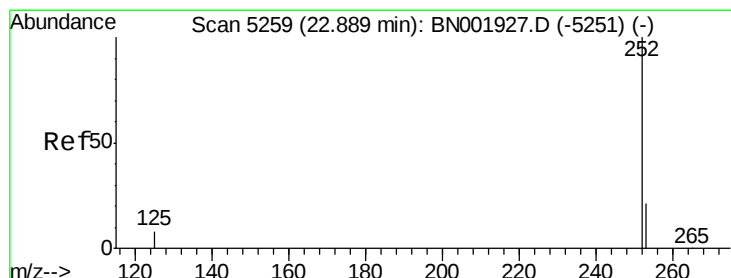
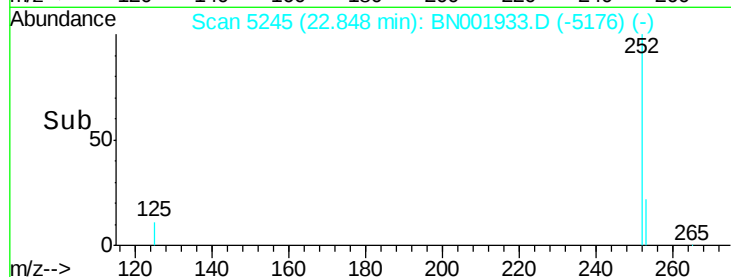
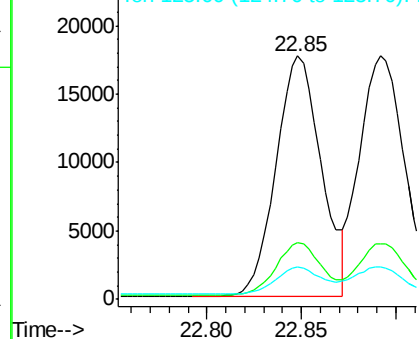
252 100

253 23.4 0.0 64.2

125 13.3 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.418 ng/ul

RT: 22.89 min Scan# 5260

Delta R.T. 0.00 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

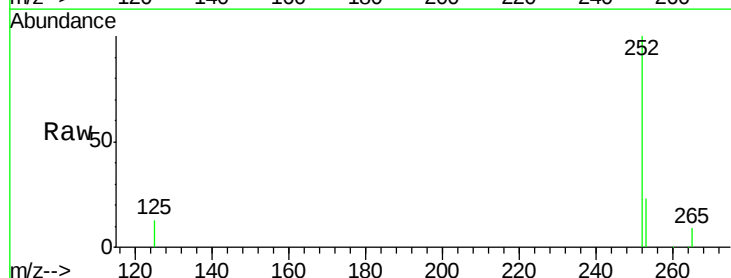
Tgt Ion:252 Resp: 29815

Ion Ratio Lower Upper

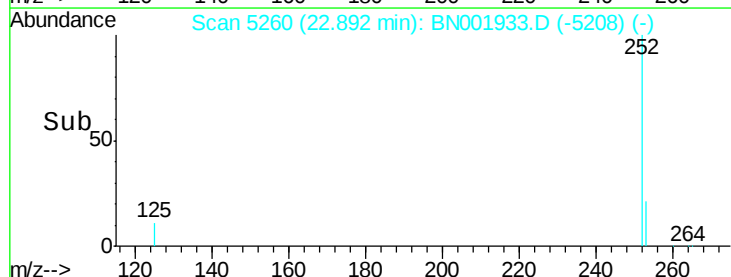
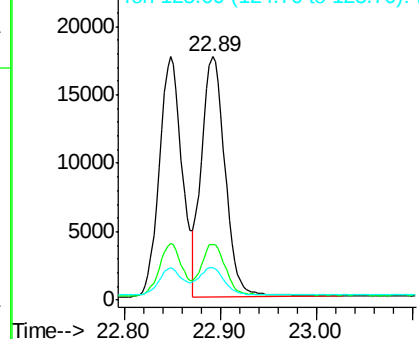
252 100

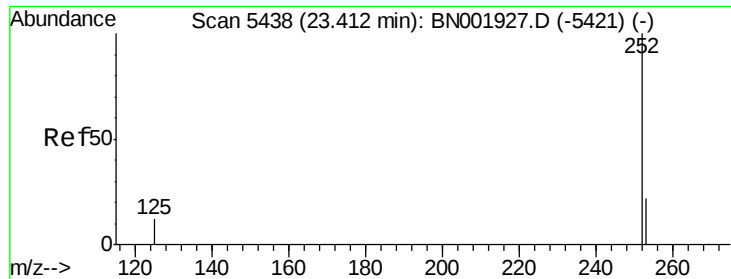
253 23.0 24.5 36.7#

125 13.3 13.7 20.5#



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





#23

Benzo(a)pyrene

Concen: 0.382 ng/ul

RT: 23.42 min Scan# 5440

Delta R.T. 0.01 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

Instrument :

BNA_N

ClientSampleId :

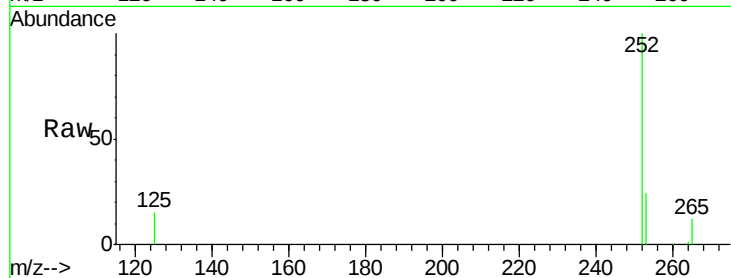
Tot Ion:252 Resp: 25344

Ion Ratio Lower Upper

252 100

253 24.0 16.0 24.0

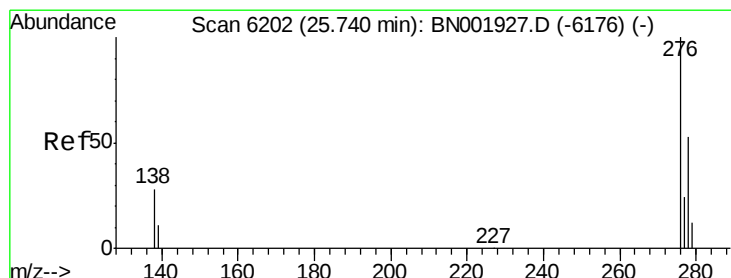
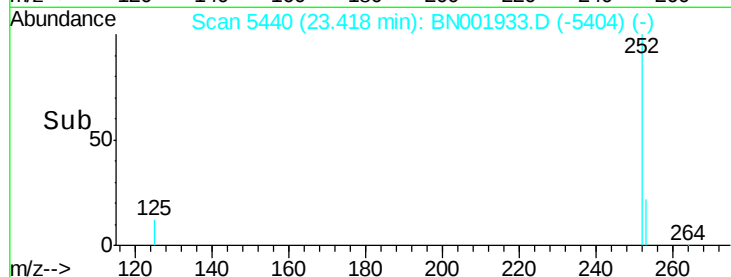
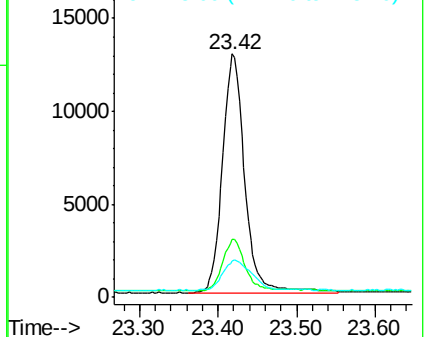
125 14.9 12.0 18.0



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

Indeno(1,2,3-cd)pyrene

Concen: 0.389 ng/ul

RT: 25.75 min Scan# 6204

Delta R.T. 0.01 min

Lab File: BN001933.D

Acq: 02 Jul 2018 14:27

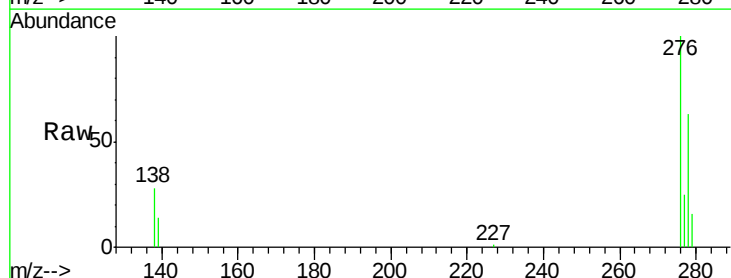
Tgt Ion:276 Resp: 28999

Ion Ratio Lower Upper

276 100

138 29.1 28.0 42.0

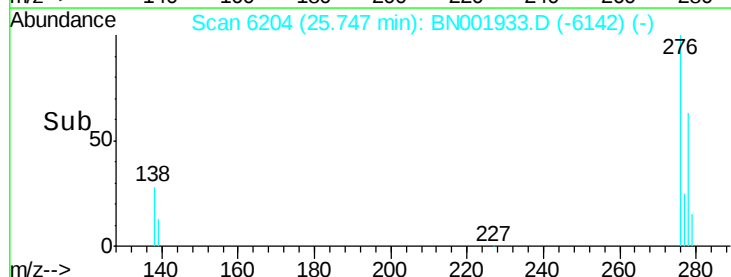
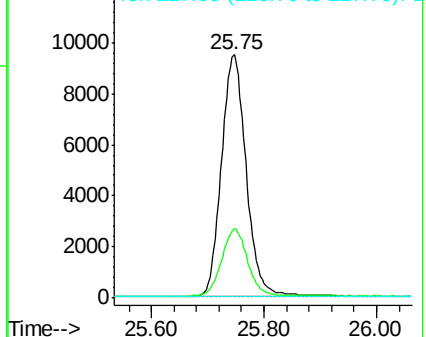
227 0.2 0.8 1.2#

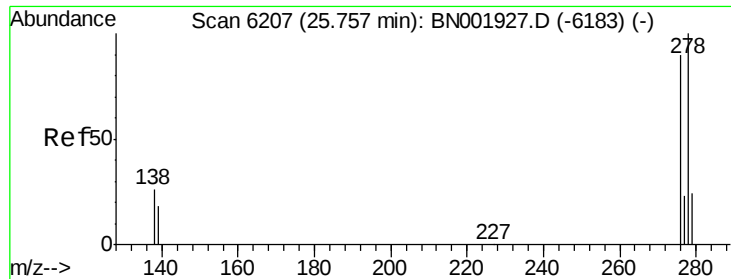


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

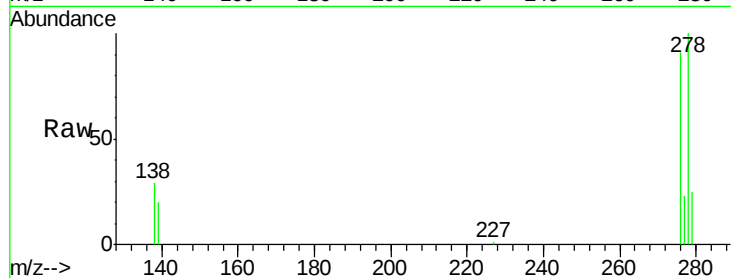




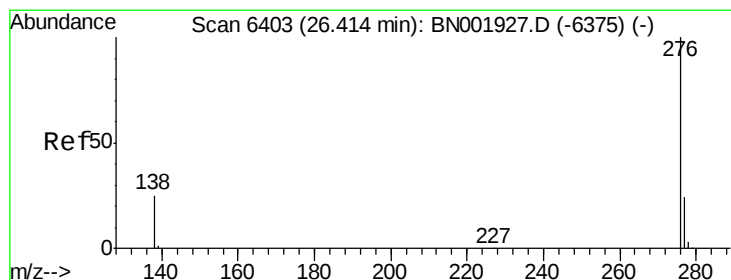
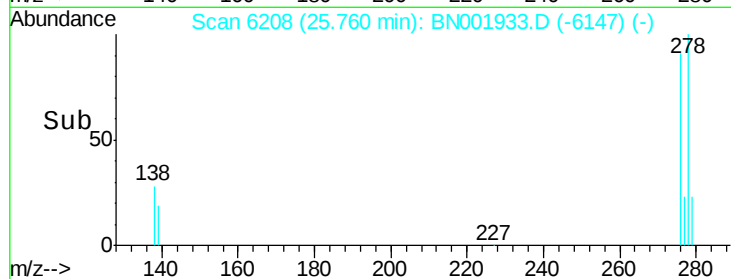
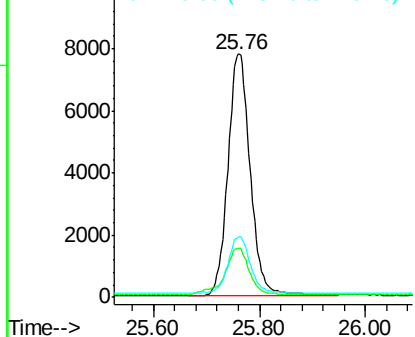
#25
Dibenzo(a,h)anthracene
Concen: 0.384 ng/ul
RT: 25.76 min Scan# 6208
Delta R.T. 0.00 min
Lab File: BN001933.D
Acq: 02 Jul 2018 14:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 22817
Ion Ratio Lower Upper
278 100
139 20.2 17.4 26.0
279 24.9 25.9 38.9#

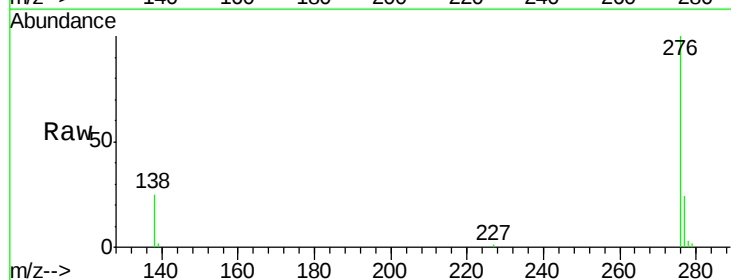


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.380 ng/ul
RT: 26.43 min Scan# 6407
Delta R.T. 0.01 min
Lab File: BN001933.D
Acq: 02 Jul 2018 14:27

Tgt Ion:276 Resp: 24077
Ion Ratio Lower Upper
276 100
138 25.1 21.8 32.8
277 24.2 20.5 30.7



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

