

Data File : BN008983.D
Acq On : 14 Dec 2019 00:58
Operator : JU
Sample : K4649-03MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A5167MSD

Quant Time: Dec 14 02:36:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 23:22:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2720	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11434	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7575	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16925	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13535	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	11311	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	8027	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	20120	0.39	ng/ul	0.00

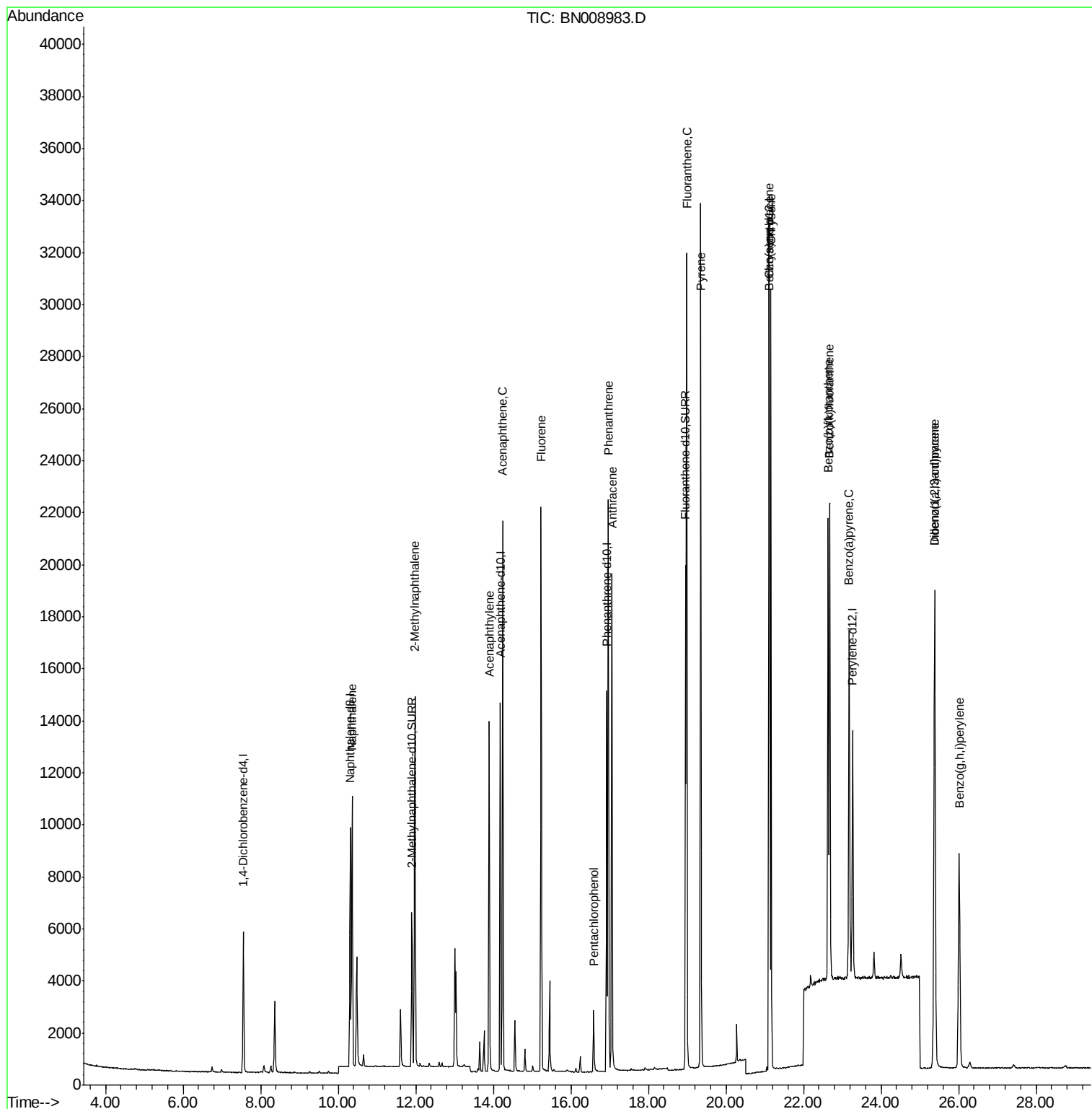
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.36	128	13773	0.400	ng/ul	100
5) 2-Methylnaphthalene	11.98	142	10322	0.429	ng/ul	100
7) Acenaphthylene	13.89	152	15080	0.360	ng/ul	99
8) Acenaphthene	14.24	153	11675	0.376	ng/ul	99
9) Fluorene	15.24	166	13772	0.377	ng/ul	100
11) Pentachlorophenol	16.59	266	1735	0.271	ng/ul	98
12) Phenanthrene	16.97	178	23148	0.406	ng/ul	99
13) Anthracene	17.06	178	21066	0.391	ng/ul	99
15) Fluoranthene	18.99	202	26718	0.381	ng/ul	99
17) Pyrene	19.35	202	26723	0.492	ng/ul	99
18) Benzo(a)anthracene	21.11	228	24396	0.448	ng/ul	100
19) Chrysene	21.16	228	24276	0.454	ng/ul	100
21) Benzo(b)fluoranthene	22.64	252	21049	0.451	ng/ul	99
22) Benzo(k)fluoranthene	22.68	252	20754	0.449	ng/ul	100
23) Benzo(a)pyrene	23.18	252	18447	0.421	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.38	276	19201	0.375	ng/ul	99
25) Dibenzo(a,h)anthracene	25.39	278	15595	0.377	ng/ul	98
26) Benzo(g,h,i)perylene	26.02	276	15974	0.373	ng/ul	98

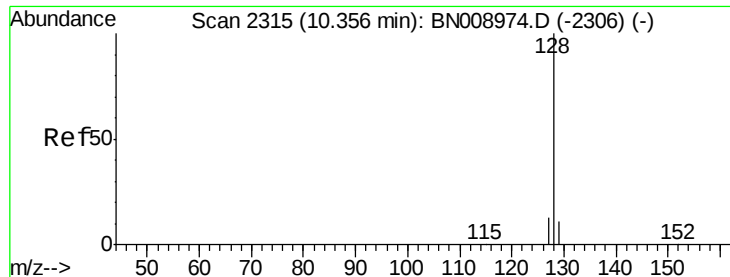
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.400 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

Instrument :

BNA_N

ClientSampleId :

A5167MSD

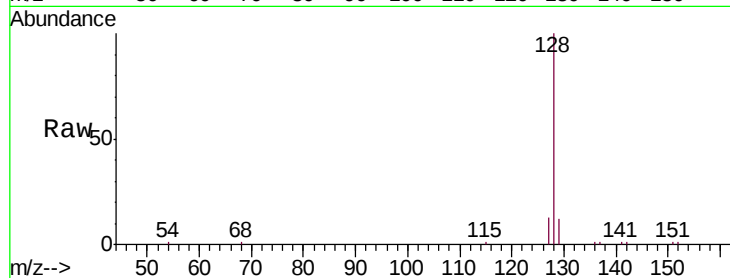
Tgt Ion:128 Resp: 13773

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

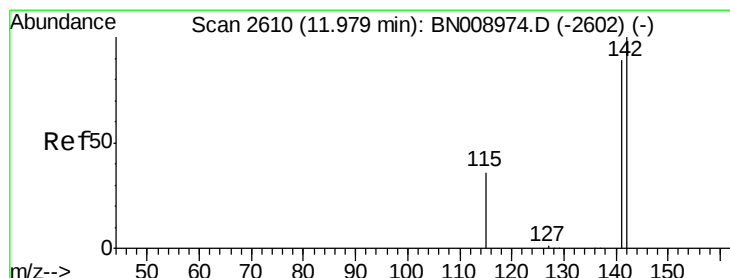
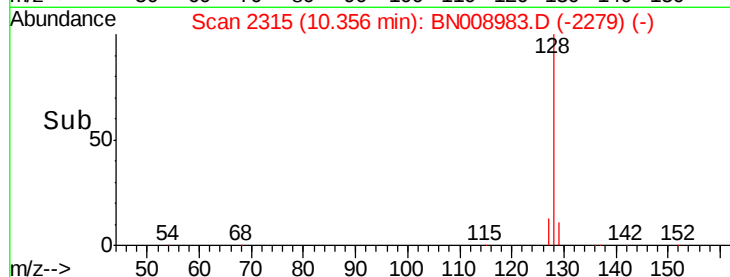
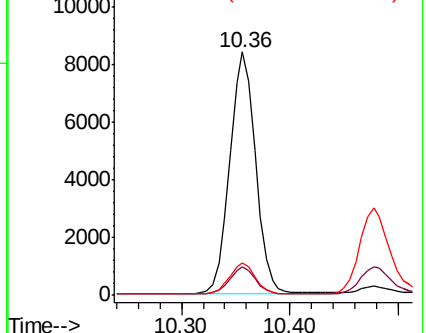
127 13.4 10.7 16.1



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: 0.429 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008983.D

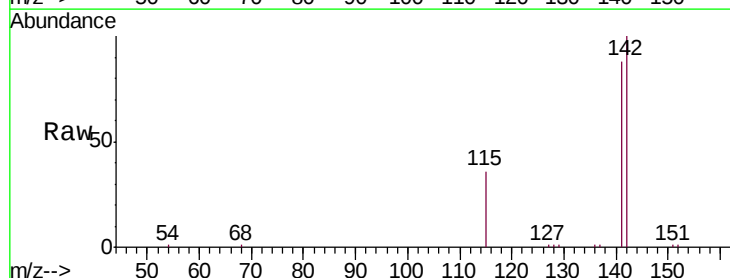
Acq: 14 Dec 2019 00:58

Tgt Ion:142 Resp: 10322

Ion Ratio Lower Upper

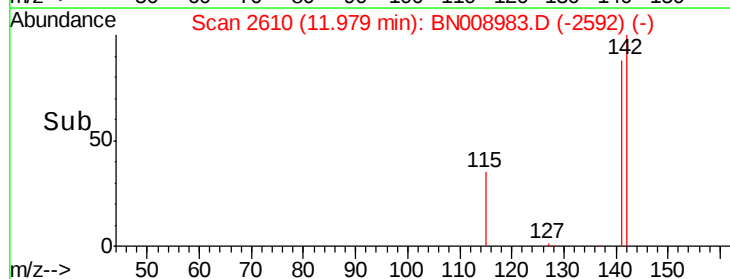
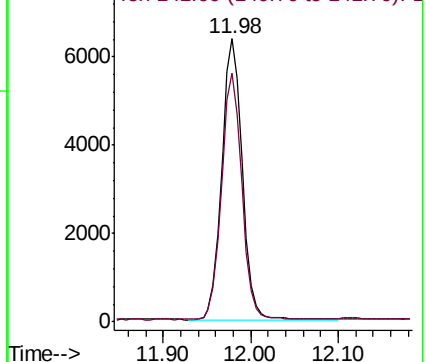
142 100

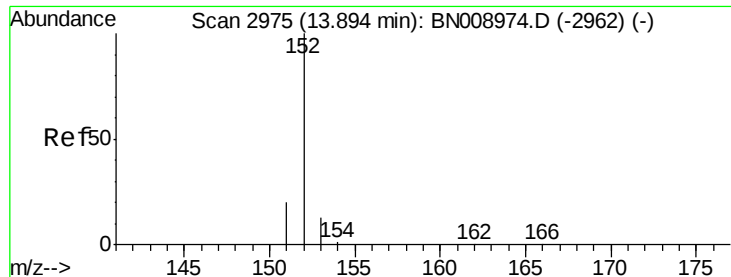
141 87.6 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.360 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

Instrument :

BNA_N

ClientSampleId :

A5167MSD

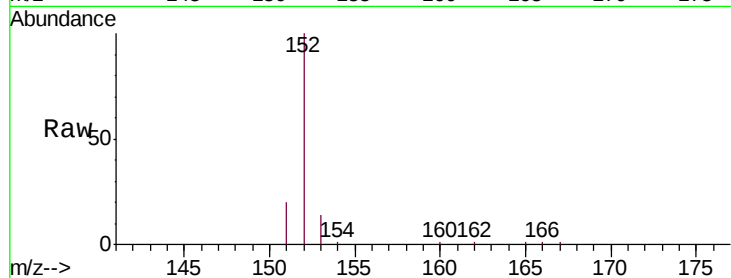
Tgt Ion:152 Resp: 15080

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

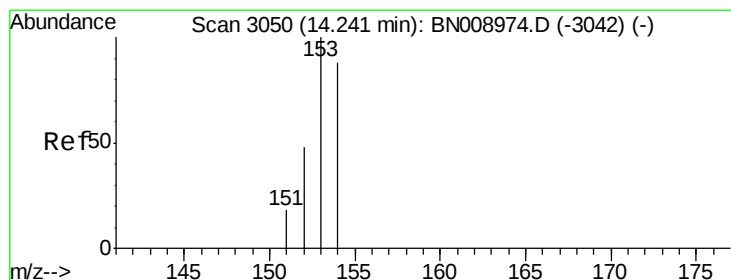
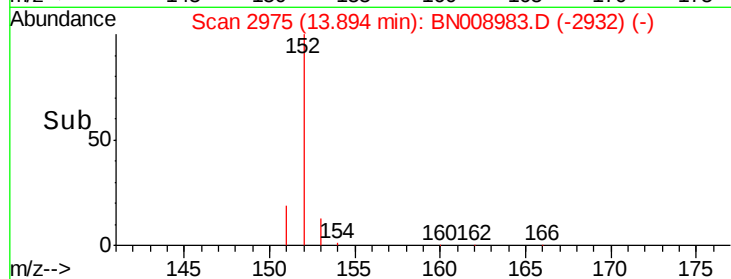
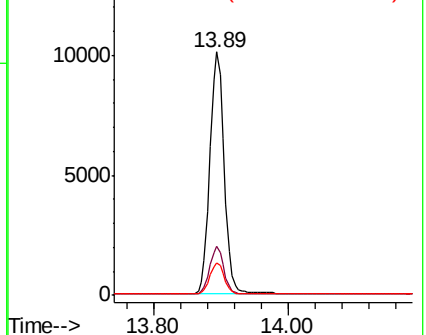
153 13.6 10.6 15.8



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: 0.376 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

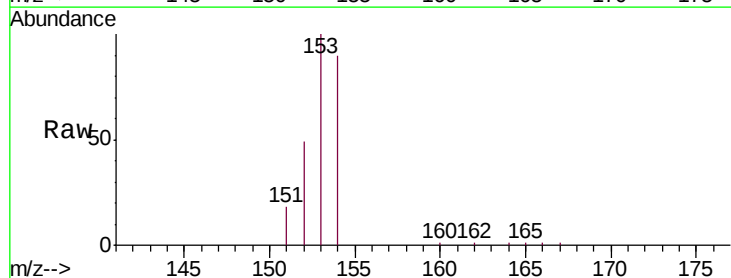
Tgt Ion:153 Resp: 11675

Ion Ratio Lower Upper

153 100

152 49.1 38.6 58.0

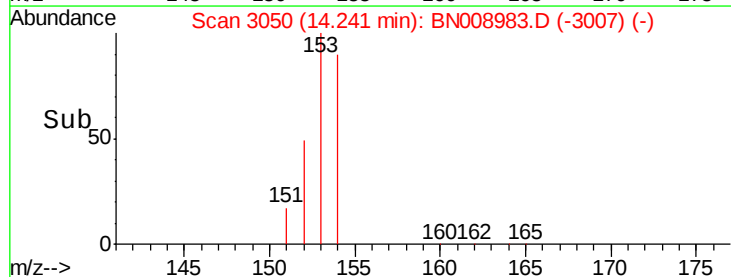
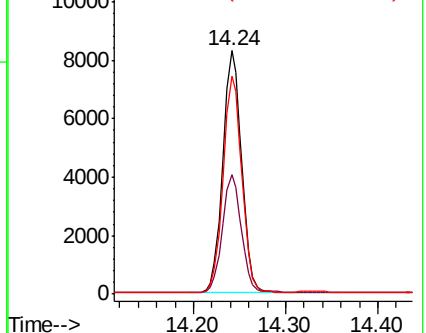
154 89.6 70.6 105.8

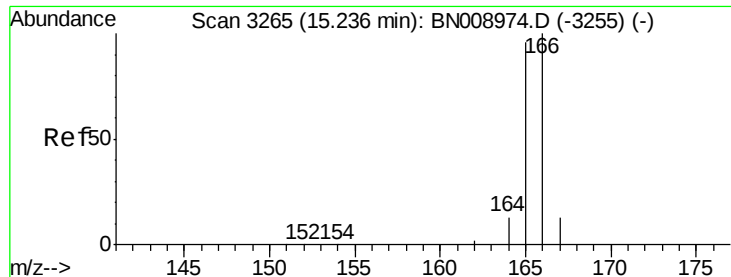


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

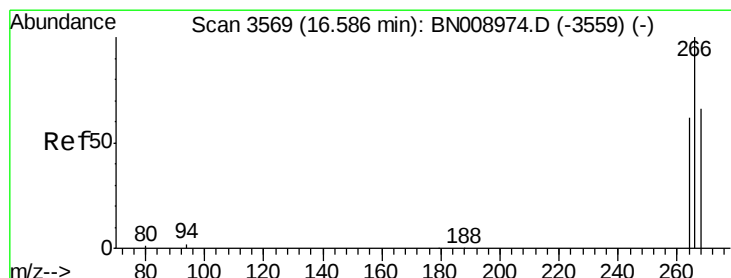
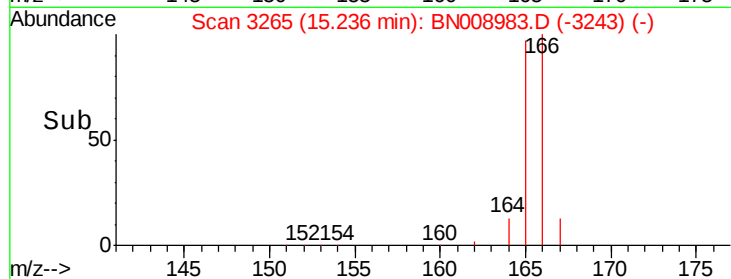
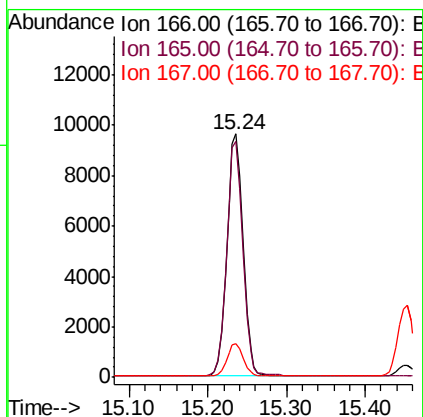
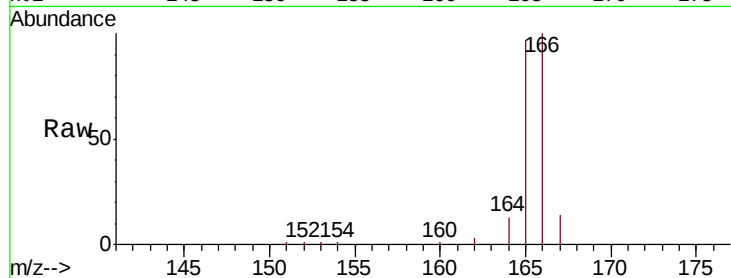




#9
Fluorene
 Concen: 0.377 ng/ul
 RT: 15.24 min Scan# 3265
 Delta R.T. -0.00 min
 Lab File: BN008983.D
 Acq: 14 Dec 2019 00:58

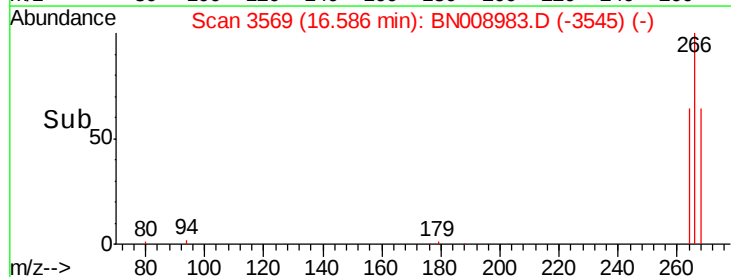
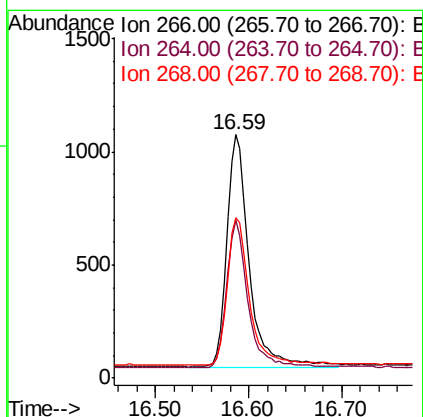
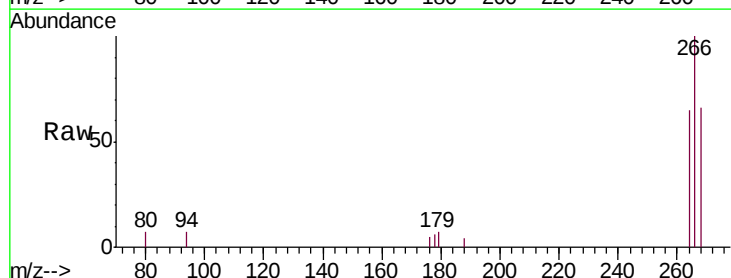
Instrument :
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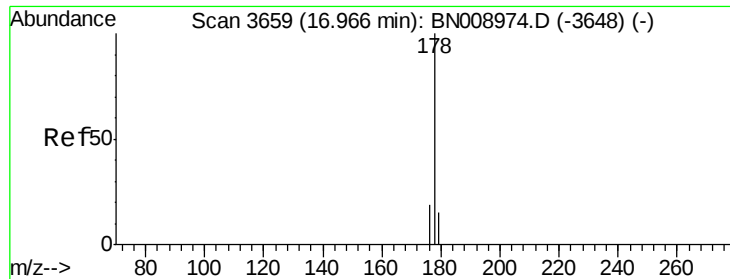
Tgt Ion:166 Resp: 13772
 Ion Ratio Lower Upper
 166 100
 165 97.1 77.7 116.5
 167 13.9 11.1 16.7



#11
Pentachlorophenol
 Concen: 0.271 ng/ul
 RT: 16.59 min Scan# 3569
 Delta R.T. -0.00 min
 Lab File: BN008983.D
 Acq: 14 Dec 2019 00:58

Tgt Ion:266 Resp: 1735
 Ion Ratio Lower Upper
 266 100
 264 61.7 50.4 75.6
 268 63.7 52.2 78.4





#12

Phenanthrene

Concen: 0.406 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

Instrument :

BNA_N

ClientSampleId :

A5167MSD

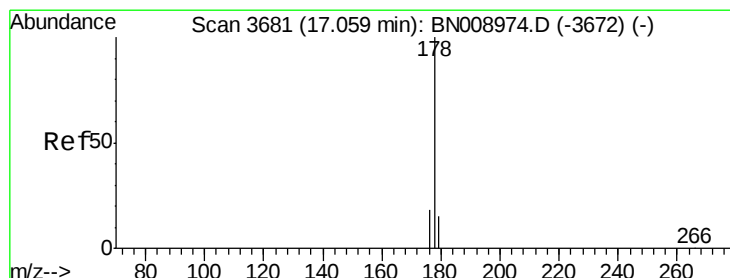
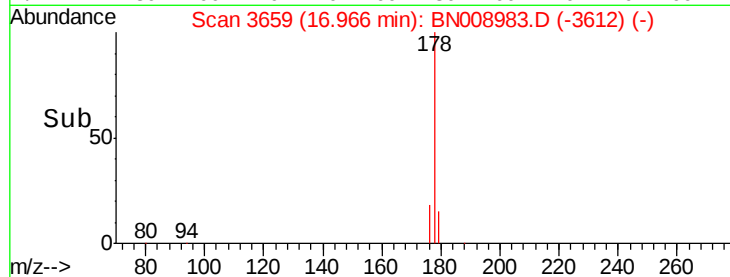
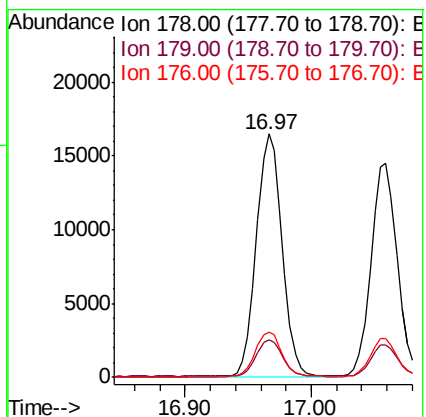
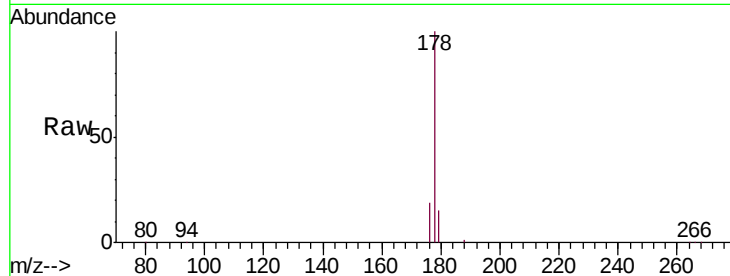
Tgt Ion:178 Resp: 23148

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.6 15.3 22.9



#13

Anthracene

Concen: 0.391 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

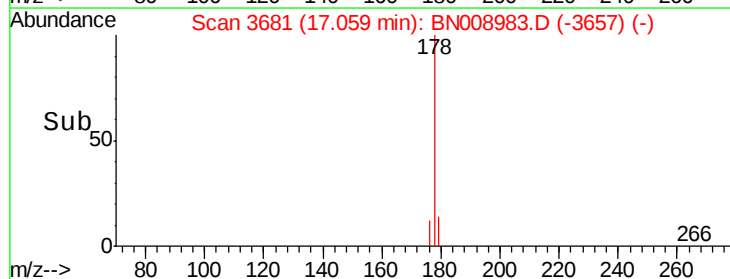
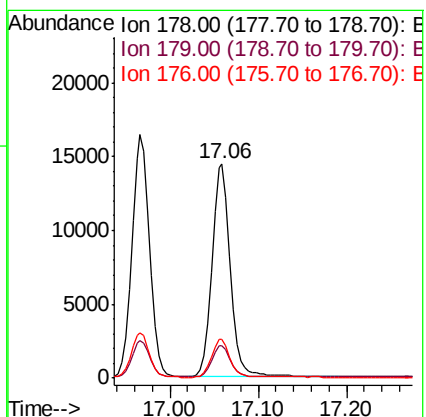
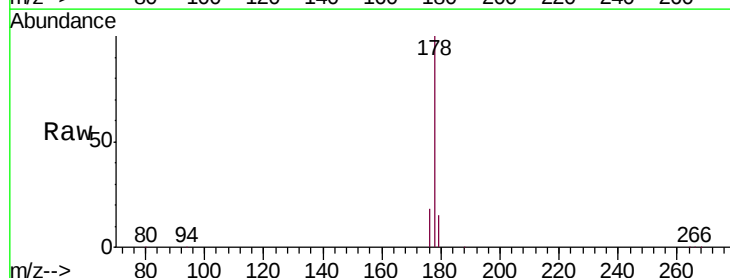
Tgt Ion:178 Resp: 21066

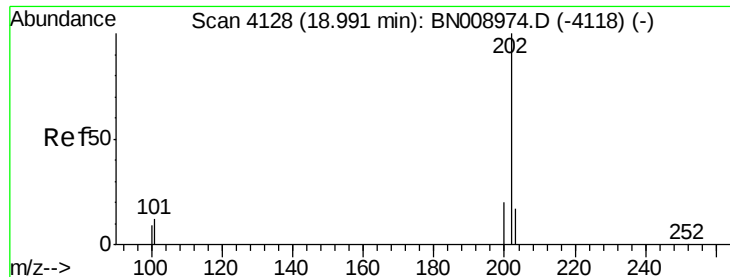
Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

176 18.0 14.7 22.1





#15

Fluoranthene

Concen: 0.381 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

Instrument :

BNA_N

ClientSampleId :

A5167MSD

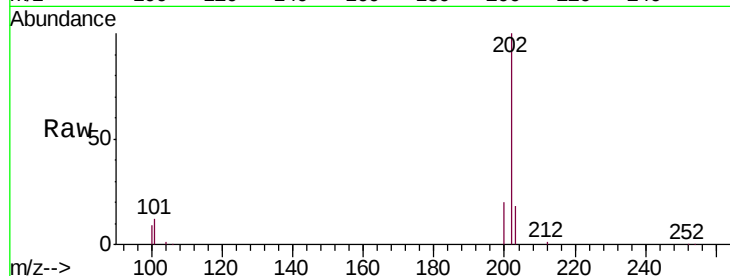
Tgt Ion:202 Resp: 26718

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

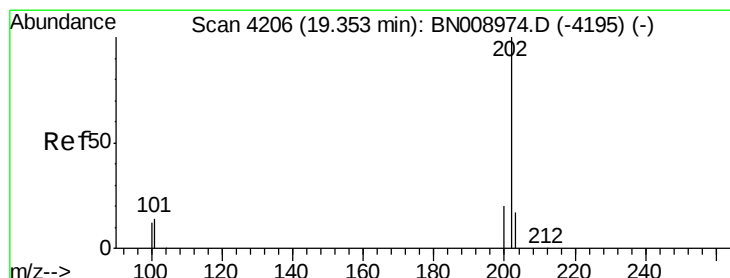
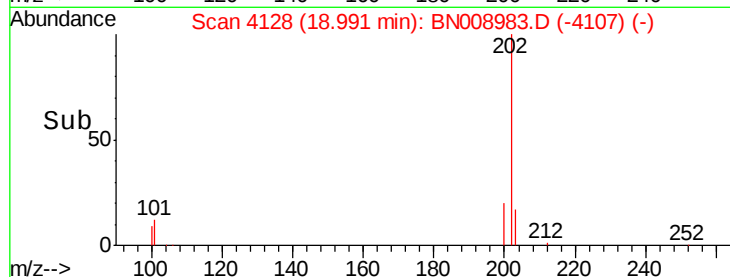
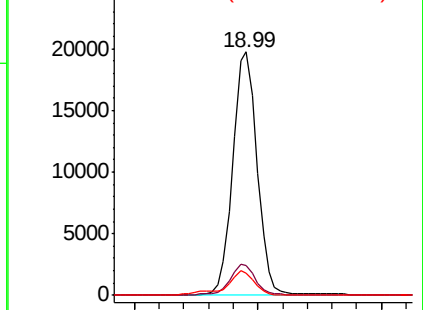
100 9.0 0.0 29.2



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: 0.492 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

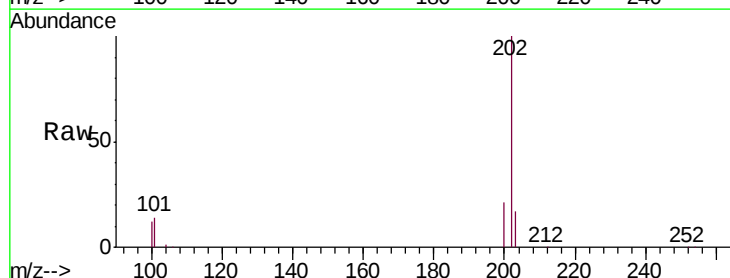
Tgt Ion:202 Resp: 26723

Ion Ratio Lower Upper

202 100

101 14.3 12.2 18.4

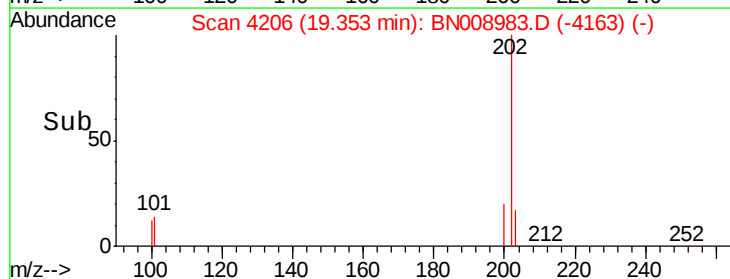
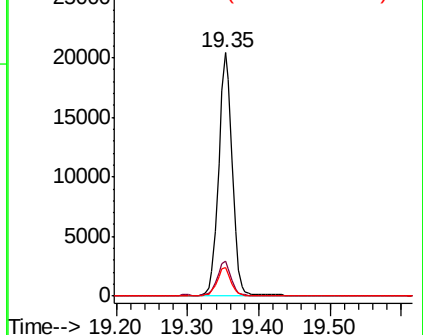
100 11.7 9.5 14.3

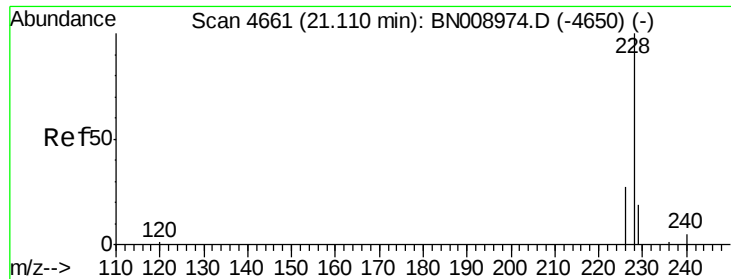


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.448 ng/ul

RT: 21.11 min Scan# 4661

Delta R.T. -0.00 min

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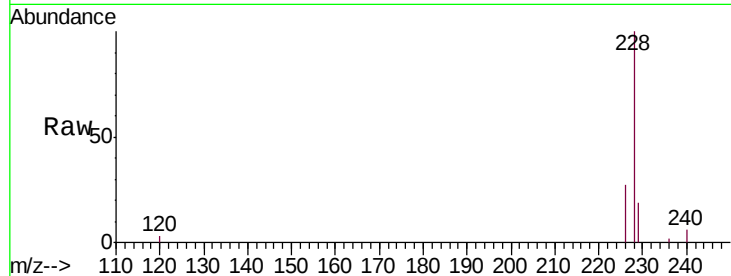
Tgt Ion:228 Resp: 24396

Ion Ratio Lower Upper

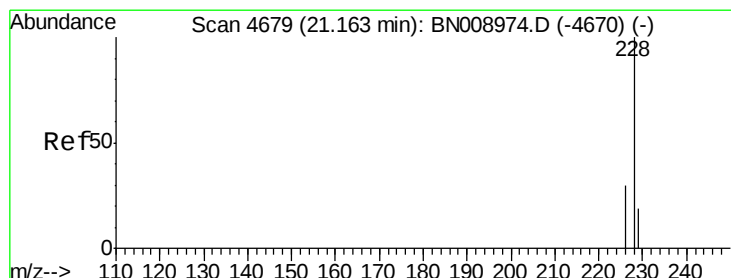
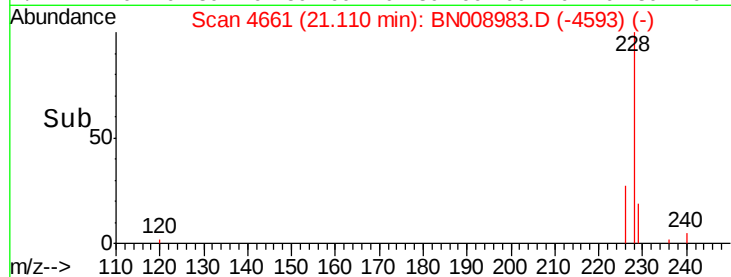
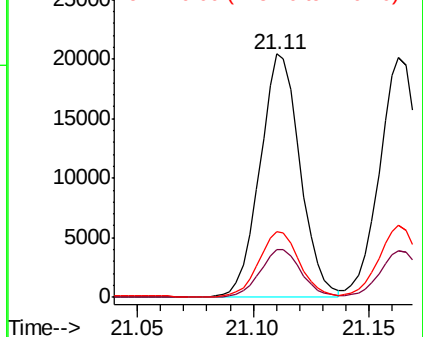
228 100

229 19.5 15.7 23.5

226 27.0 21.5 32.3



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



#19

Chrysene

Concen: 0.454 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

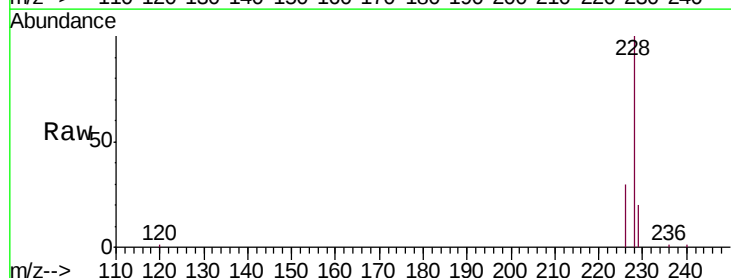
Tgt Ion:228 Resp: 24276

Ion Ratio Lower Upper

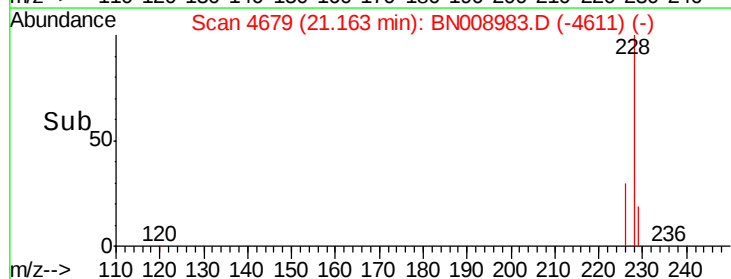
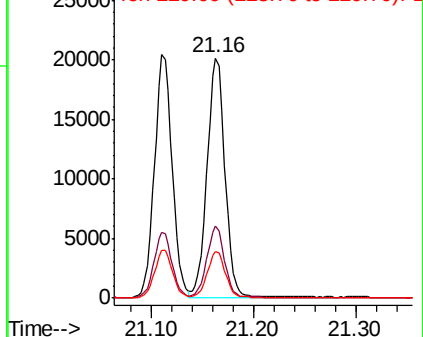
228 100

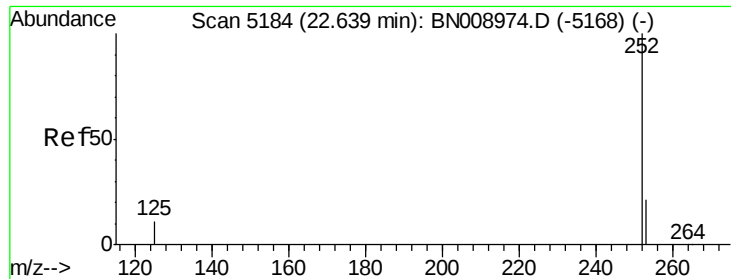
226 29.9 23.8 35.6

229 19.6 15.6 23.4



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





#21

Benzo(b)fluoranthene

Concen: 0.451 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.00 min

Lab File: BN008983.D

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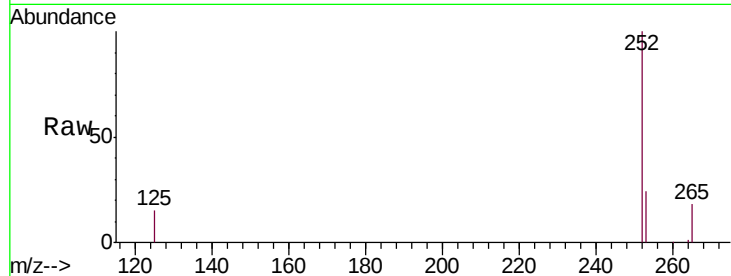
Tgt Ion:252 Resp: 21049

Ion Ratio Lower Upper

252 100

253 24.2 0.0 48.6

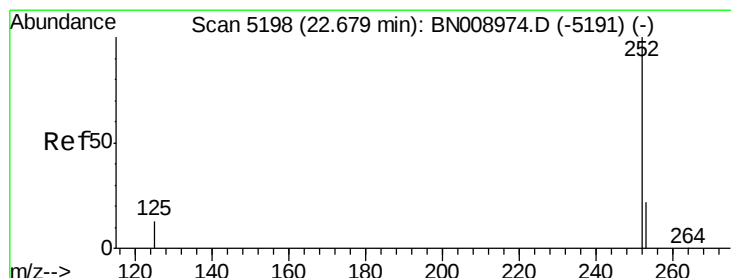
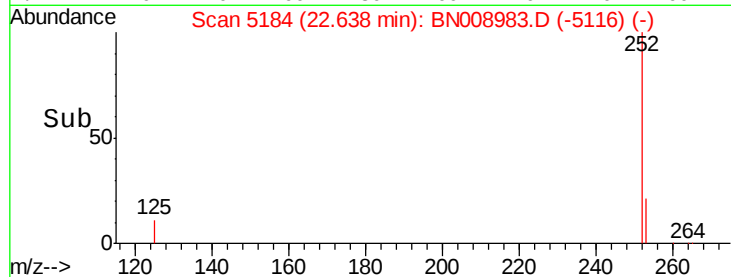
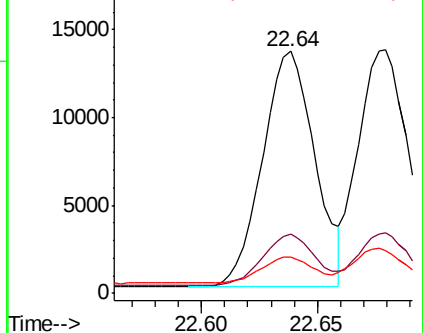
125 14.8 0.0 31.6



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: 0.449 ng/ul

RT: 22.68 min Scan# 5198

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

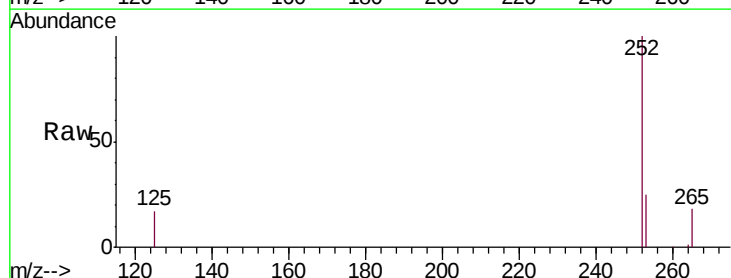
Tgt Ion:252 Resp: 20754

Ion Ratio Lower Upper

252 100

253 24.7 19.6 29.4

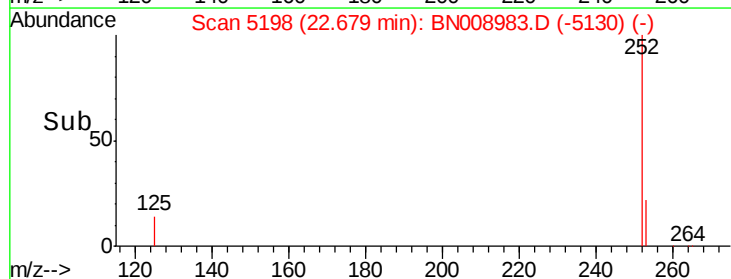
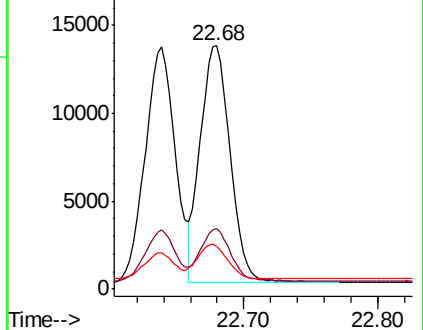
125 17.5 13.8 20.6

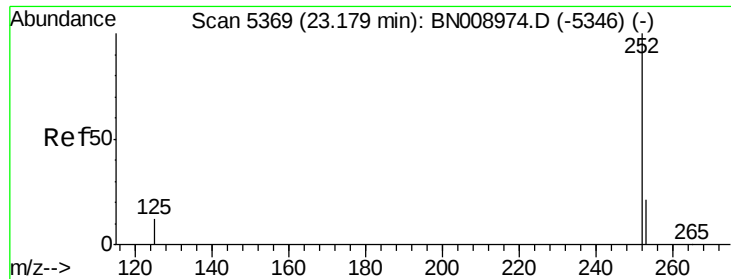


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.421 ng/ul

RT: 23.18 min Scan# 5368

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

Instrument :

BNA_N

ClientSampleId :

A5167MSD

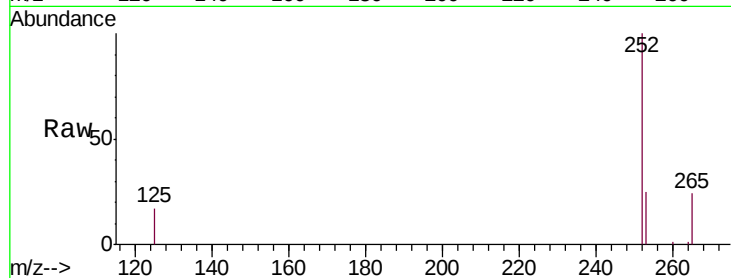
Tgt Ion:252 Resp: 18447

Ion Ratio Lower Upper

252 100

253 25.0 19.9 29.9

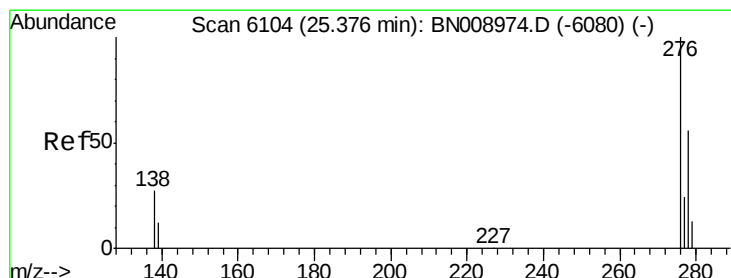
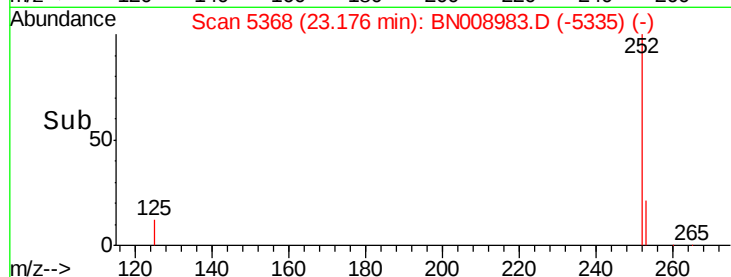
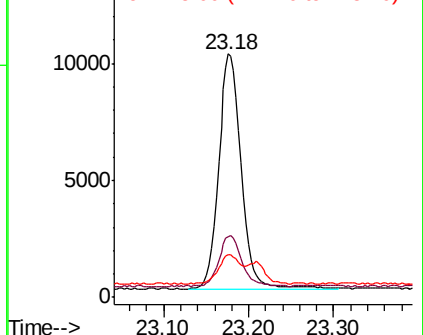
125 17.3 14.6 22.0



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: 0.375 ng/ul

RT: 25.38 min Scan# 6104

Delta R.T. -0.00 min

Lab File: BN008983.D

Acq: 14 Dec 2019 00:58

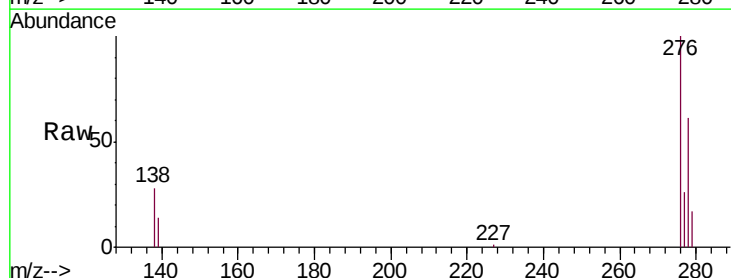
Tgt Ion:276 Resp: 19201

Ion Ratio Lower Upper

276 100

138 29.1 23.8 35.6

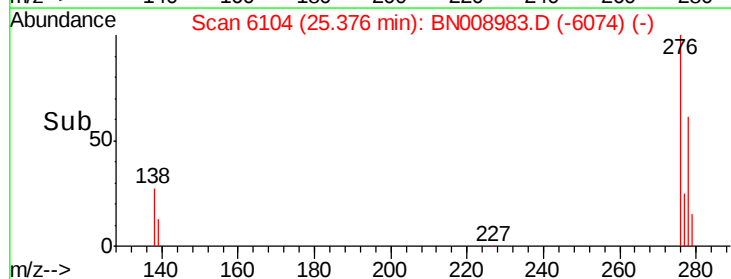
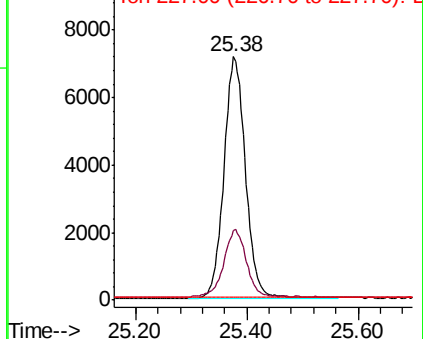
227 0.2 0.2 0.2

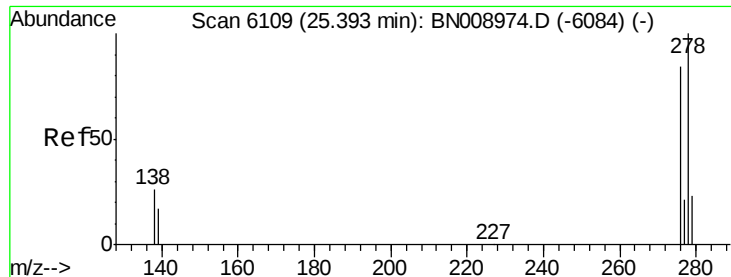


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

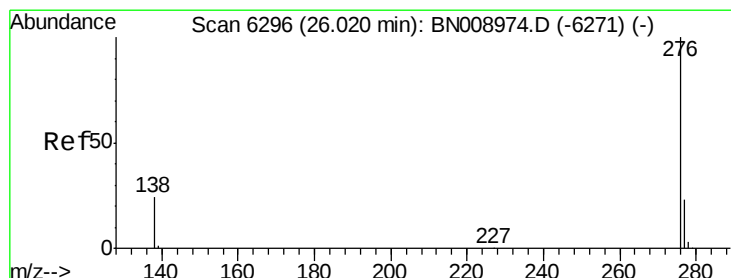
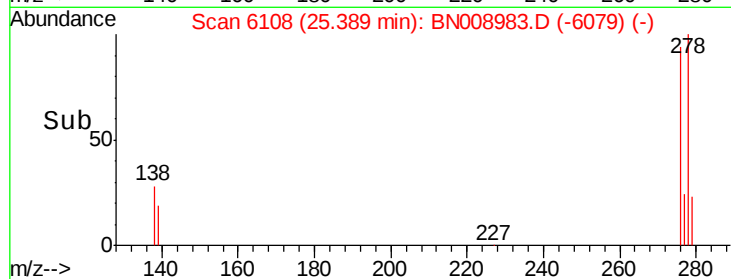
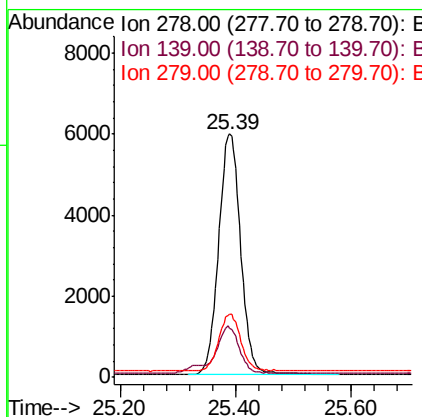
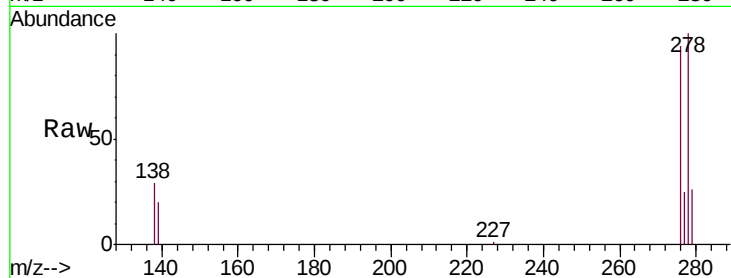




#25
Dibenzo(a,h)anthracene
Concen: 0.377 ng/u1
RT: 25.39 min Scan# 6108
Delta R.T. -0.00 min
Lab File: BN008983.D
Acq: 14 Dec 2019 00:58

Instrument :
BNA_N
ClientSampleId :
A5167MSD

Tgt Ion: 278 Resp: 15595
Ion Ratio Lower Upper
278 100
139 20.3 17.4 26.0
279 25.9 20.5 30.7



#26
Benzo(g,h,i)perylene
Concen: 0.373 ng/u1
RT: 26.02 min Scan# 6295
Delta R.T. -0.00 min
Lab File: BN008983.D
Acq: 14 Dec 2019 00:58

Tgt Ion: 276 Resp: 15974
Ion Ratio Lower Upper
276 100
138 25.3 21.9 32.9
277 25.0 19.9 29.9

