

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061719\
 Data File : BN006367.D
 Acq On : 18 Jun 2019 02:11
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 18 02:57:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 11:13:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4234	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	16656	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	8171	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	15687	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11160	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	12430	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	9614	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	16025	0.38	ng/ul	0.00

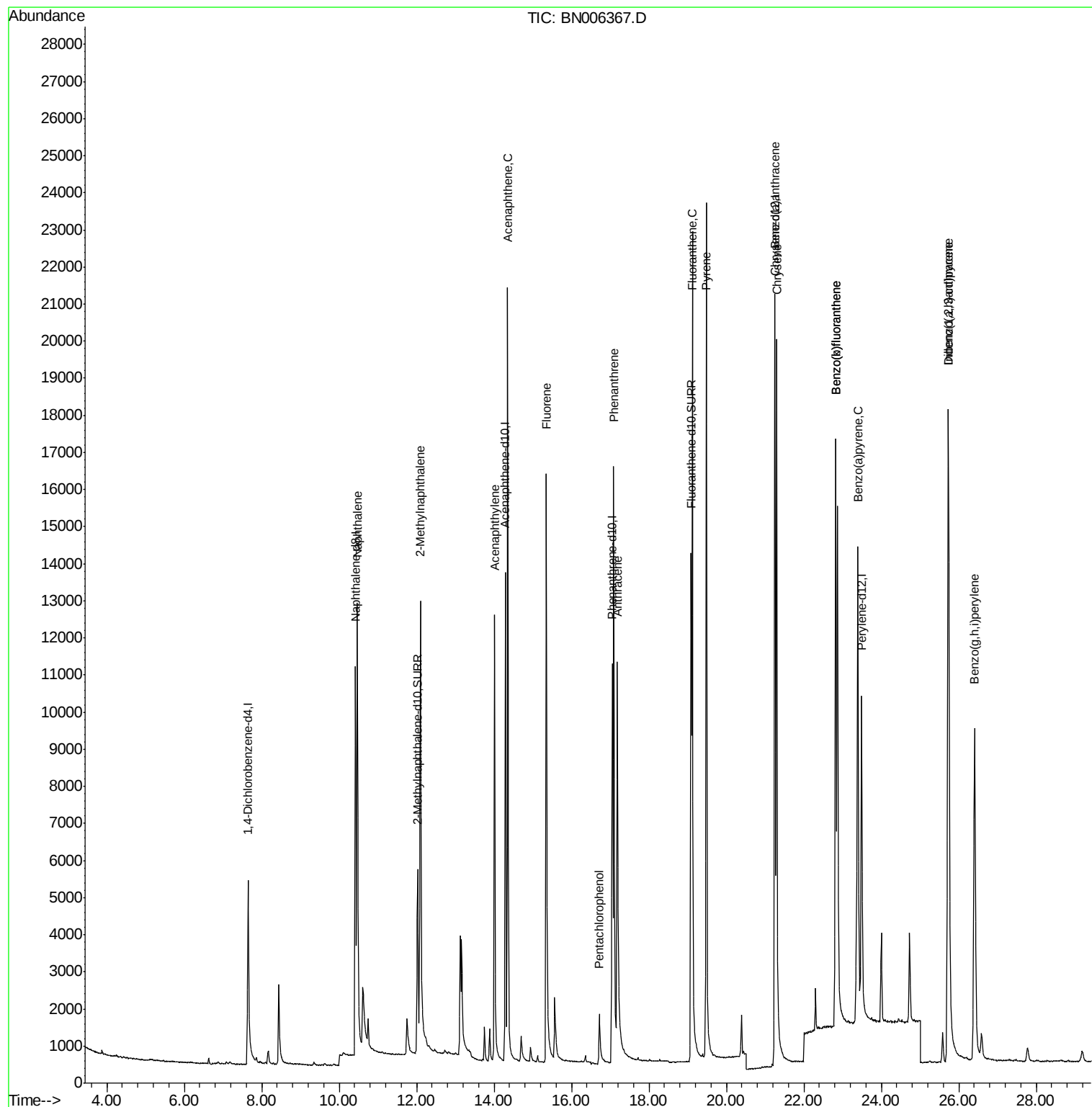
Target Compounds					Ovalue	
3) Naphthalene	10.47	128	19644	0.427	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	12052	0.376	ng/ul	98
7) Acenaphthylene	14.01	152	16560	0.365	ng/ul	100
8) Acenaphthene	14.35	153	12996	0.412	ng/ul	99
9) Fluorene	15.35	166	13058	0.354	ng/ul	97
11) Pentachlorophenol	16.72	266	1854	0.465	ng/ul	99
12) Phenanthrene	17.09	178	19453	0.386	ng/ul	99
13) Anthracene	17.18	178	16072	0.334	ng/ul	99
15) Fluoranthene	19.12	202	21454	0.386	ng/ul	98
17) Pyrene	19.49	202	22506	0.383	ng/ul	98
18) Benzo(a)anthracene	21.25	228	17316	0.351	ng/ul	99
19) Chrysene	21.30	228	21738	0.469	ng/ul	99
21) Benzo(b)fluoranthene	22.82	252	19924	0.384	ng/ul	94
22) Benzo(k)fluoranthene	22.82	252	19924	0.395	ng/ul	97
23) Benzo(a)pyrene	23.39	252	20703	0.429	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.73	276	22661	0.434	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.74	278	17730	0.424	ng/ul	93
26) Benzo(g,h,i)perylene	26.41	276	19657	0.449	ng/ul	95

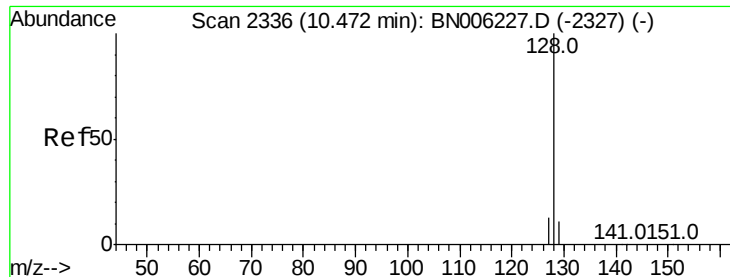
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.427 ng/ul

RT: 10.47 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

Instrument :

BNA_N

ClientSampleId :

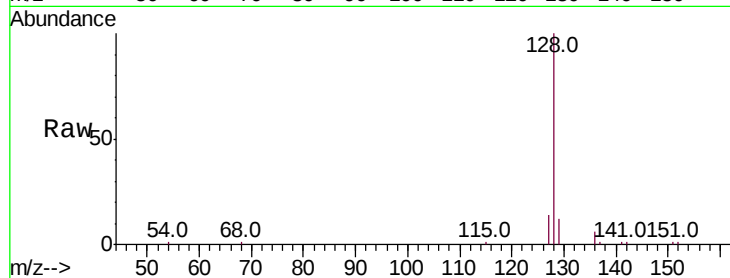
Tot Ion:128 Resp: 19644

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

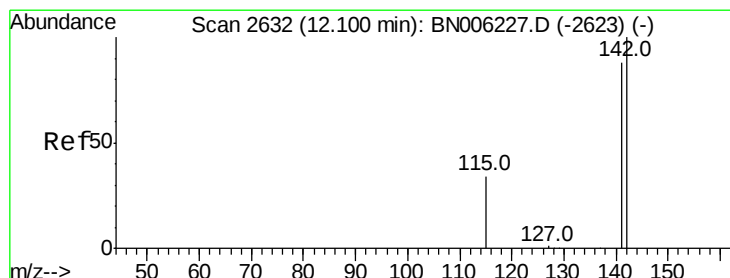
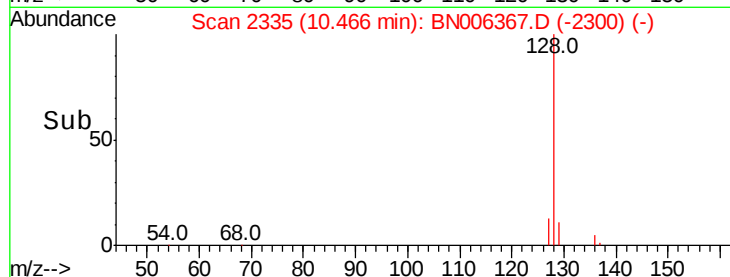
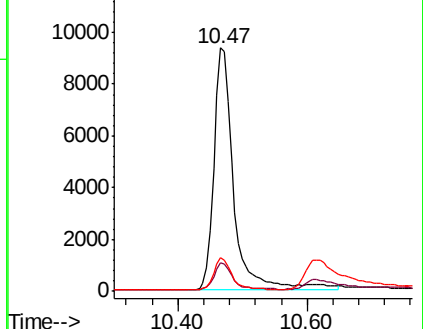
127 13.8 10.7 16.1



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: 0.376 ng/ul

RT: 12.09 min Scan# 2631

Delta R.T. -0.00 min

Lab File: BN006367.D

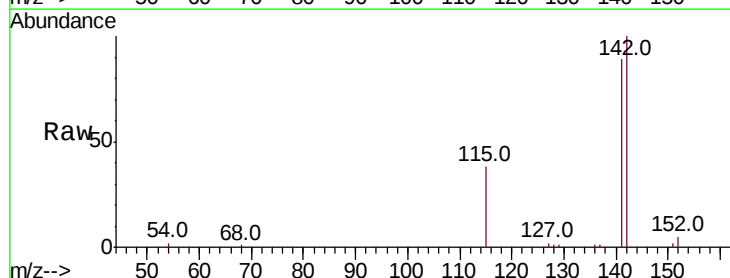
Acq: 18 Jun 2019 02:11

Tgt Ion:142 Resp: 12052

Ion Ratio Lower Upper

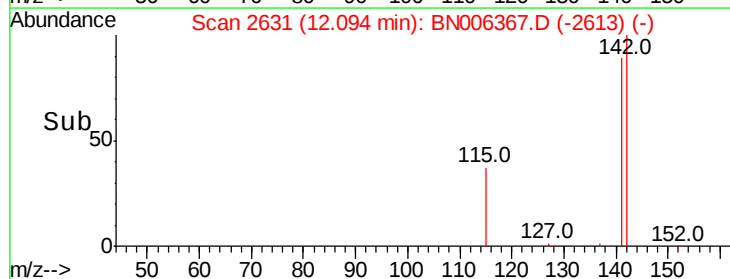
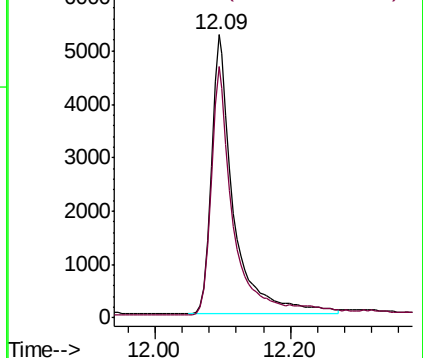
142 100

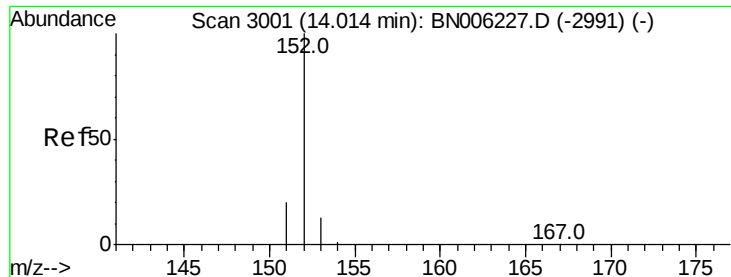
141 89.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.365 ng/ul

RT: 14.01 min Scan# 3000

Delta R.T. -0.00 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

Instrument :

BNA_N

ClientSampleId :

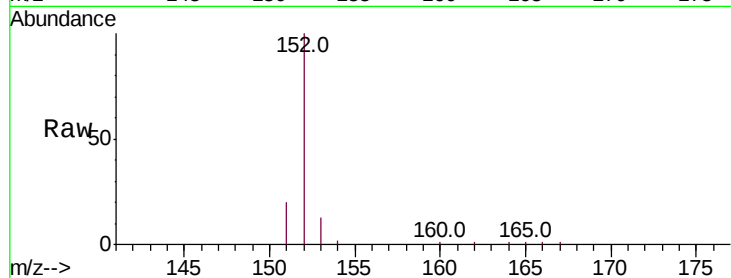
Tot Ion:152 Resp: 16560

Ion Ratio Lower Upper

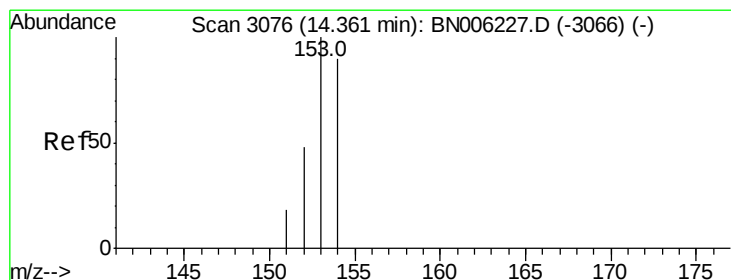
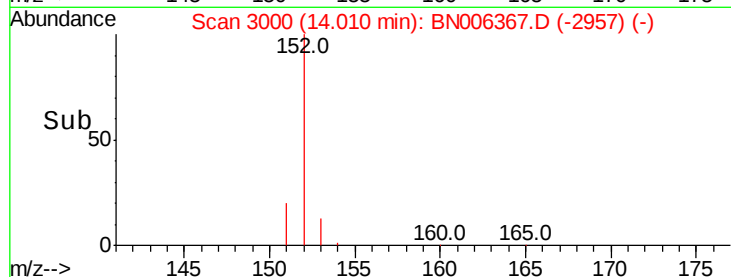
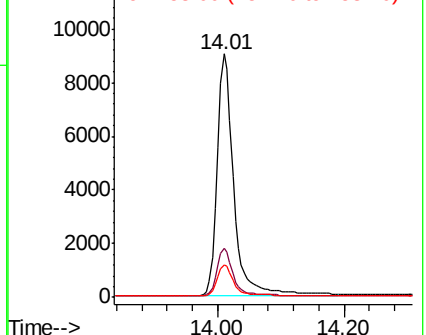
152 100

151 20.1 15.8 23.8

153 13.4 10.8 16.2



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: 0.412 ng/ul

RT: 14.35 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

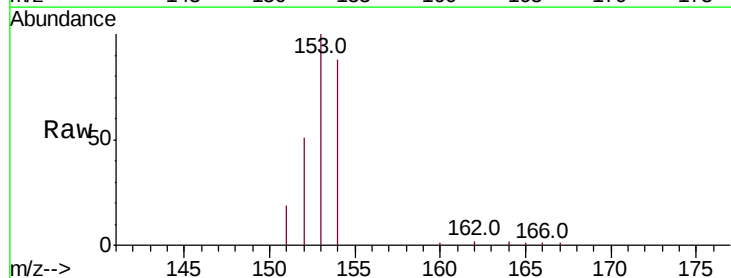
Tgt Ion:153 Resp: 12996

Ion Ratio Lower Upper

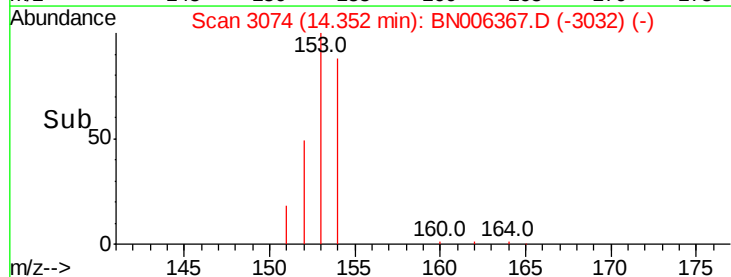
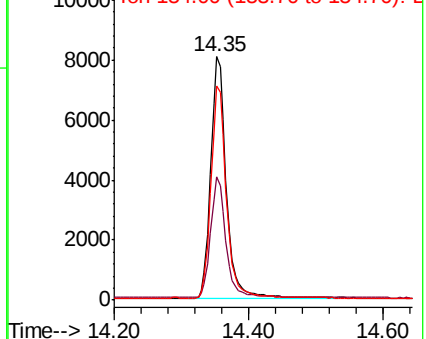
153 100

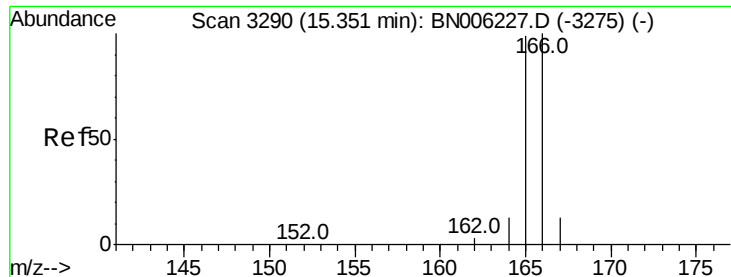
152 50.5 39.1 58.7

154 88.2 71.1 106.7



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

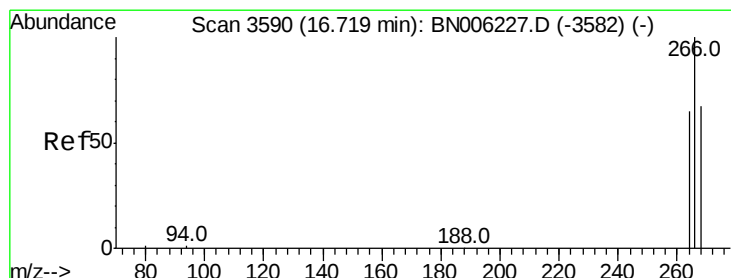
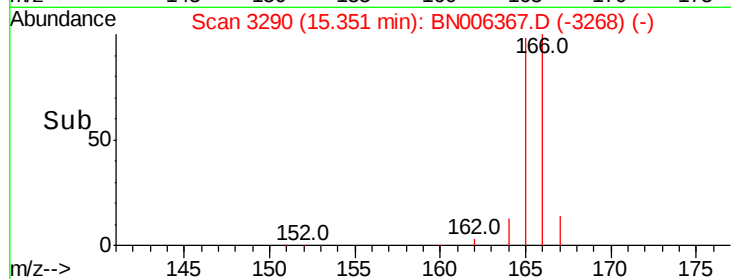
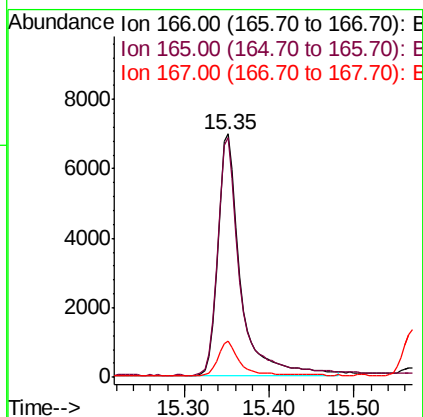
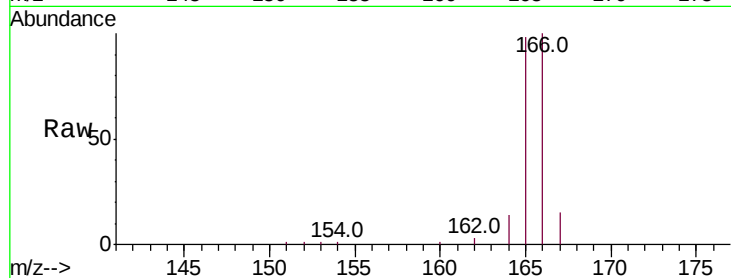




#9
Fluorene
 Concen: 0.354 ng/ul
 RT: 15.35 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BN006367.D
 Acq: 18 Jun 2019 02:11

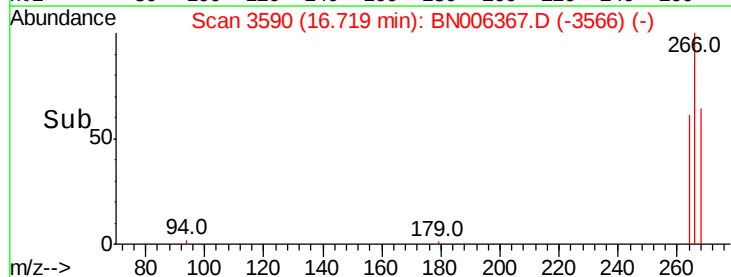
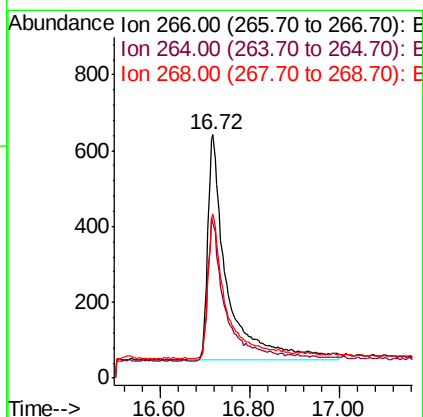
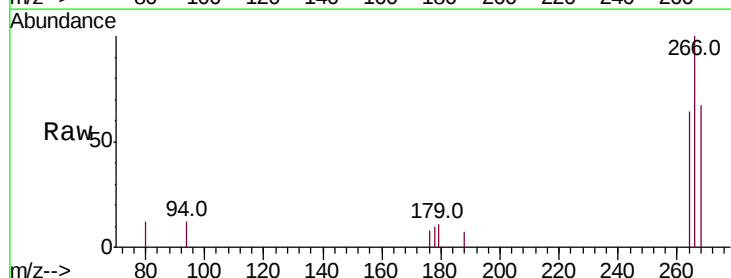
Instrument :
 BNA_N
 ClientSampleId :

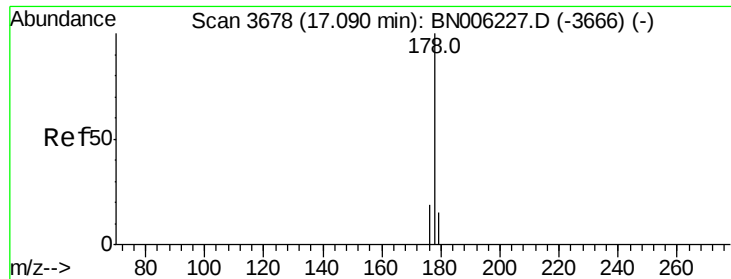
Tot Ion:166 Resp: 13058
 Ion Ratio Lower Upper
 166 100
 165 98.2 76.4 114.6
 167 14.7 11.0 16.6



#11
Pentachlorophenol
 Concen: 0.465 ng/ul
 RT: 16.72 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: BN006367.D
 Acq: 18 Jun 2019 02:11

Tgt Ion:266 Resp: 1854
 Ion Ratio Lower Upper
 266 100
 264 61.7 50.3 75.5
 268 64.7 51.3 76.9

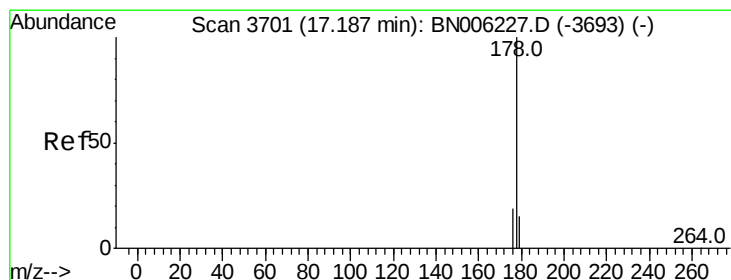
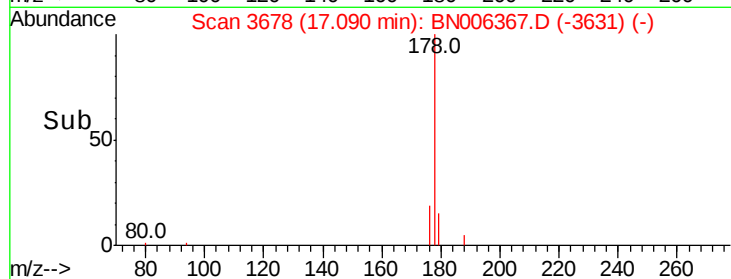
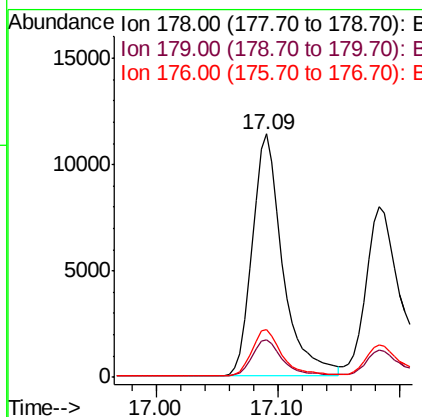
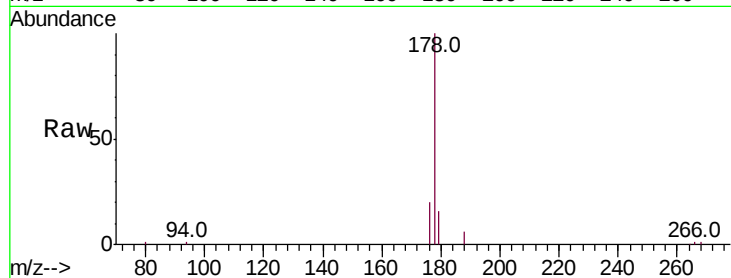




#12
Phenanthrene
Concen: 0.386 ng/ul
RT: 17.09 min Scan# 3678
Delta R.T. -0.00 min
Lab File: BN006367.D
Acq: 18 Jun 2019 02:11

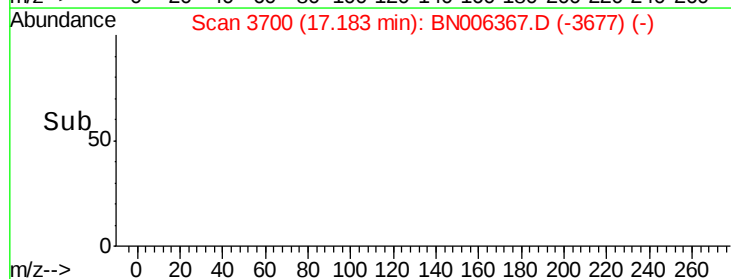
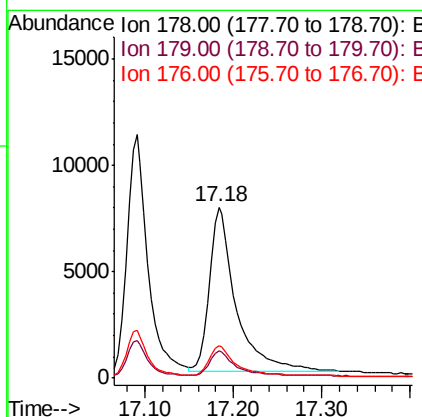
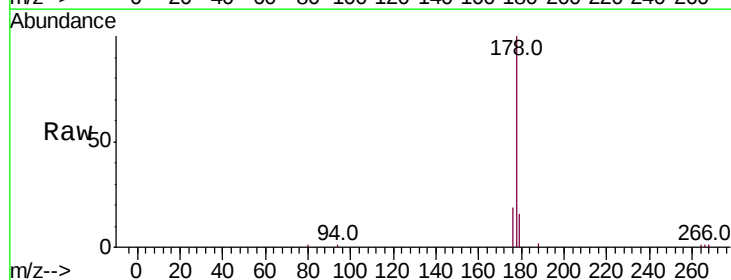
Instrument :
BNA_N
ClientSampleId :

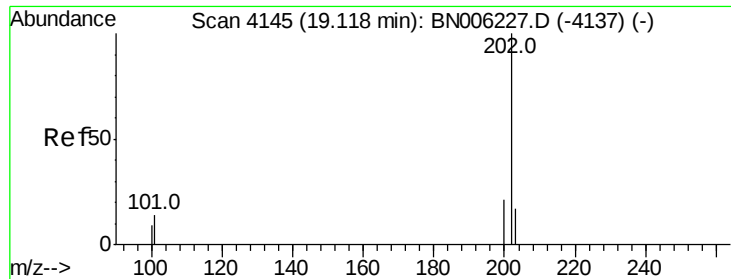
Tot Ion:178 Resp: 19453
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.7 15.3 22.9



#13
Anthracene
Concen: 0.334 ng/ul
RT: 17.18 min Scan# 3700
Delta R.T. -0.00 min
Lab File: BN006367.D
Acq: 18 Jun 2019 02:11

Tgt Ion:178 Resp: 16072
Ion Ratio Lower Upper
178 100
179 16.1 12.2 18.4
176 18.9 15.1 22.7

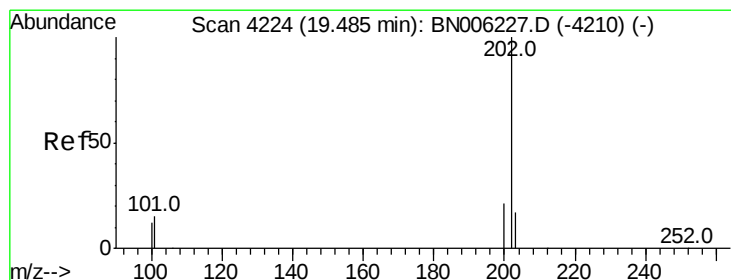
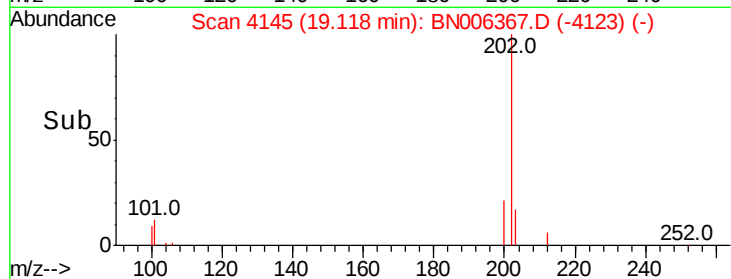
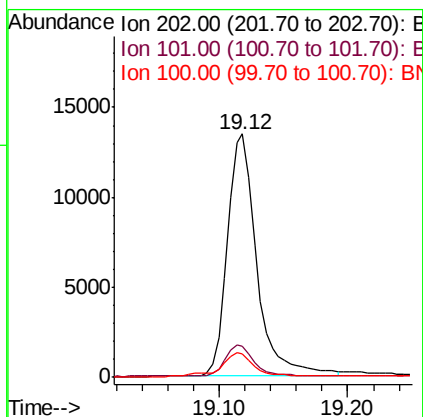
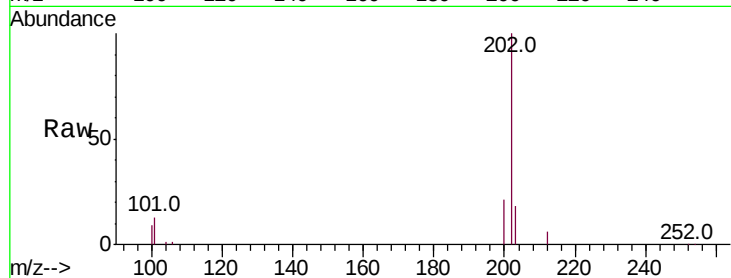




#15
 Fluoranthene
 Concen: 0.386 ng/ul
 RT: 19.12 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BN006367.D
 Acq: 18 Jun 2019 02:11

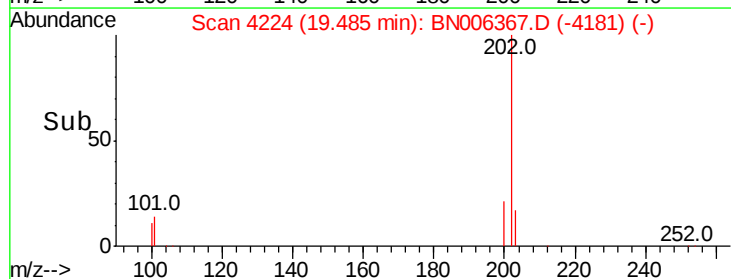
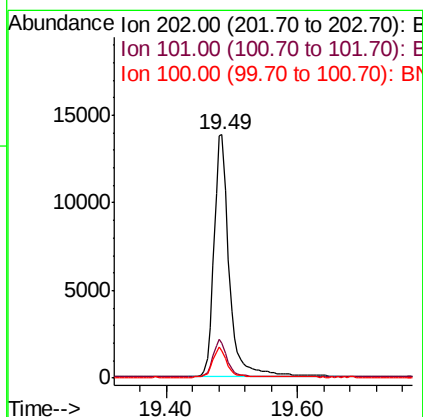
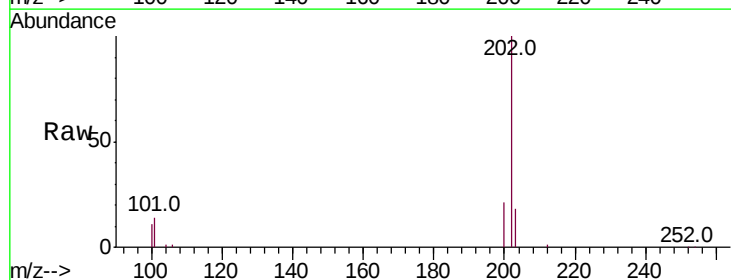
Instrument :
 BNA_N
 ClientSampleId :

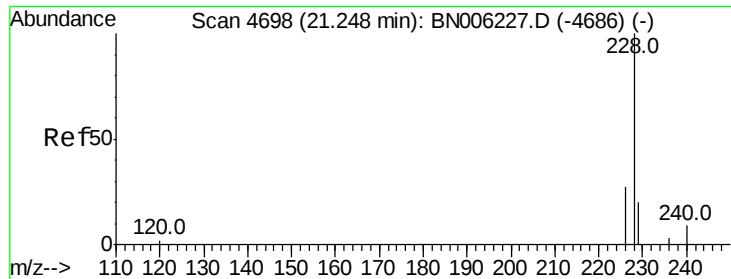
Tot Ion:202 Resp: 21454
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 32.1
 100 9.4 0.0 28.7



#17
 Pyrene
 Concen: 0.383 ng/ul
 RT: 19.49 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: BN006367.D
 Acq: 18 Jun 2019 02:11

Tgt Ion:202 Resp: 22506
 Ion Ratio Lower Upper
 202 100
 101 14.4 12.2 18.2
 100 11.2 9.8 14.6





#18

Benzo(a)anthracene

Concen: 0.351 ng/ul

RT: 21.25 min Scan# 4697

Delta R.T. -0.01 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

Instrument :

BNA_N

ClientSampleId :

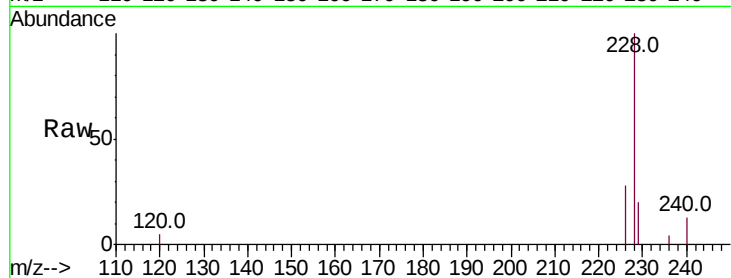
Tot Ion:228 Resp: 17316

Ion Ratio Lower Upper

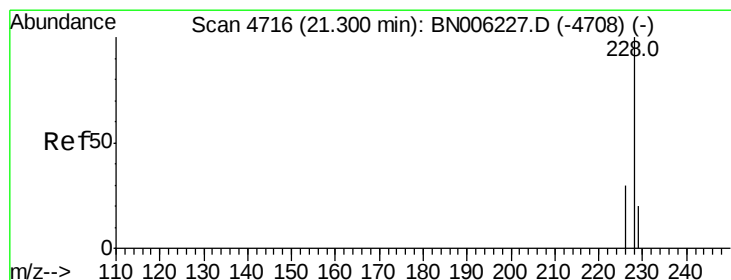
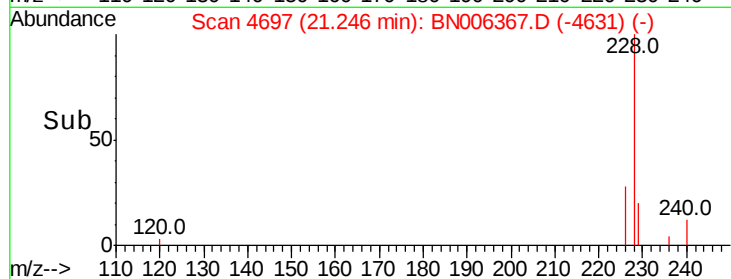
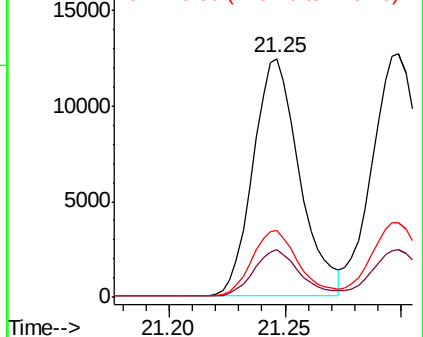
228 100

229 20.0 16.5 24.7

226 28.1 22.8 34.2



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: 0.469 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.01 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

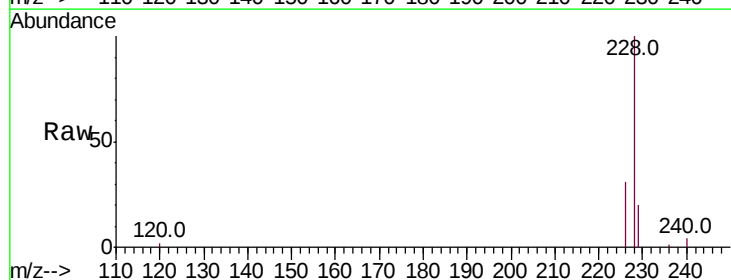
Tgt Ion:228 Resp: 21738

Ion Ratio Lower Upper

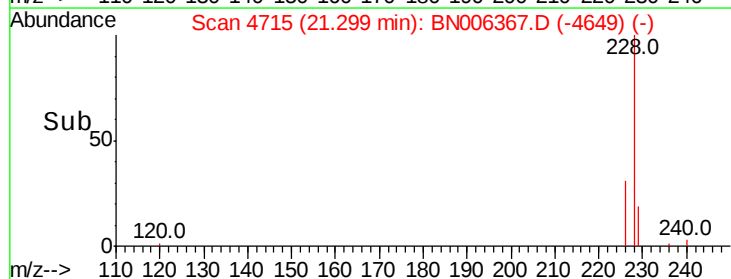
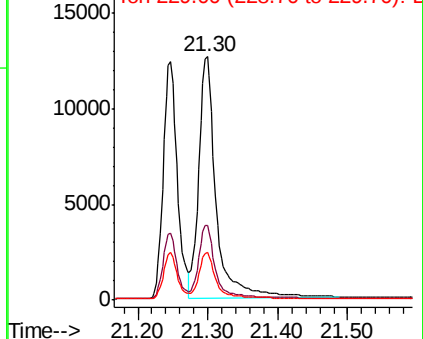
228 100

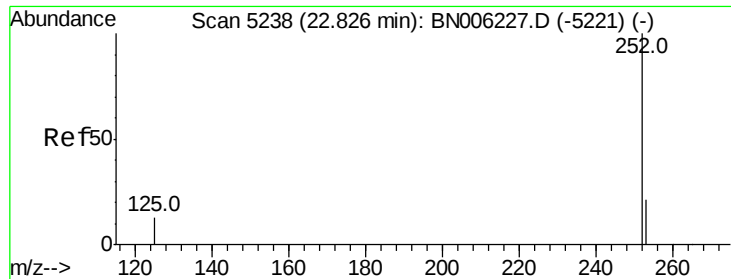
226 30.9 25.0 37.6

229 19.8 16.3 24.5



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: 0.384 ng/u1

RT: 22.82 min Scan# 5236

Delta R.T. -0.02 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

Instrument :

BNA_N

ClientSampleId :

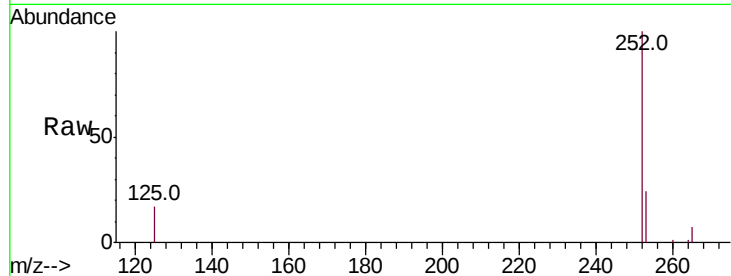
Tot Ion:252 Resp: 19924

Ion Ratio Lower Upper

252 100

253 23.6 0.0 51.4

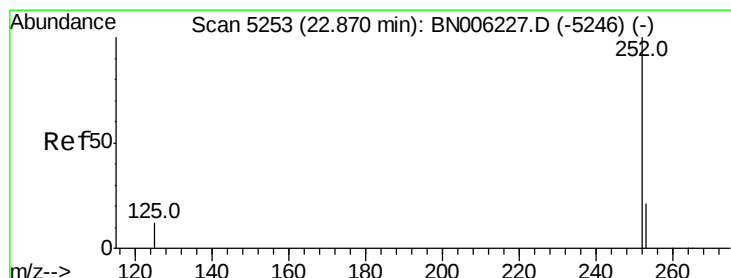
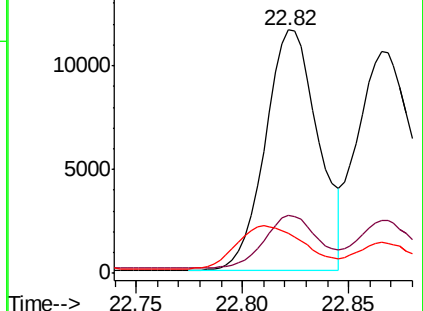
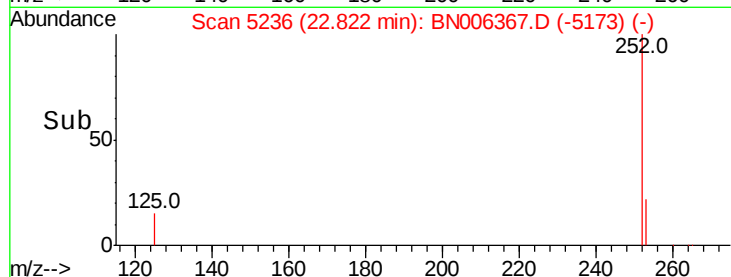
125 16.7 0.0 41.0



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: 0.395 ng/u1

RT: 22.82 min Scan# 5236

Delta R.T. -0.06 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

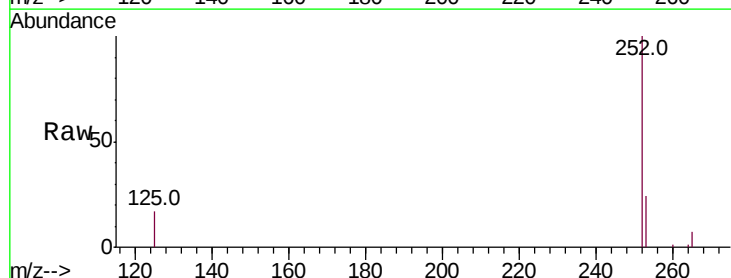
Tgt Ion:252 Resp: 19924

Ion Ratio Lower Upper

252 100

253 23.6 20.3 30.5

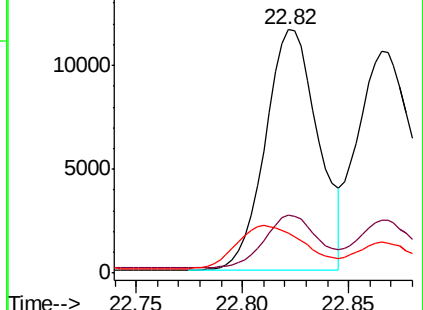
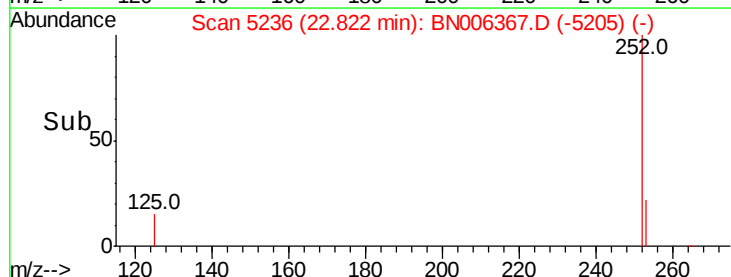
125 16.7 14.3 21.5

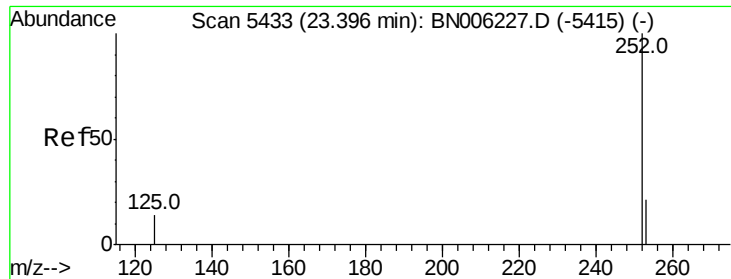


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.429 ng/ul

RT: 23.39 min Scan# 5432

Delta R.T. -0.02 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

Instrument :

BNA_N

ClientSampleId :

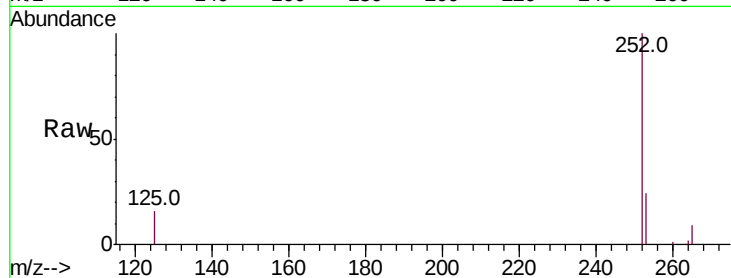
Tot Ion:252 Resp: 20703

Ion Ratio Lower Upper

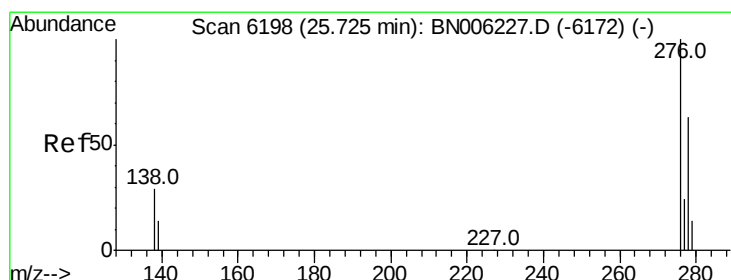
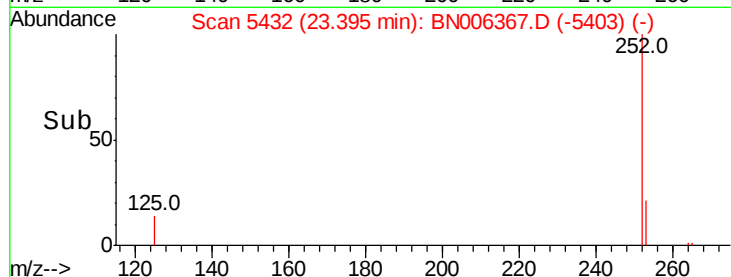
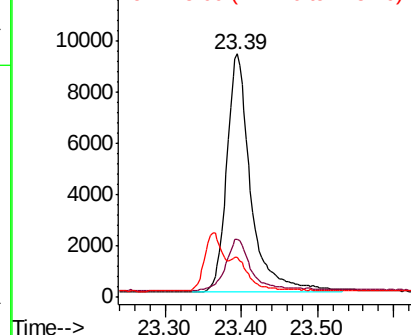
252 100

253 23.9 21.1 31.7

125 16.3 20.3 30.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.434 ng/ul

RT: 25.73 min Scan# 6198

Delta R.T. -0.02 min

Lab File: BN006367.D

Acq: 18 Jun 2019 02:11

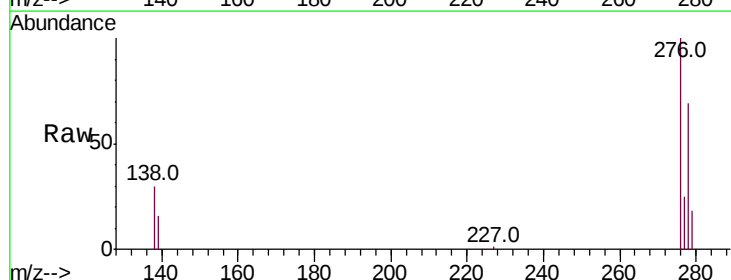
Tgt Ion:276 Resp: 22661

Ion Ratio Lower Upper

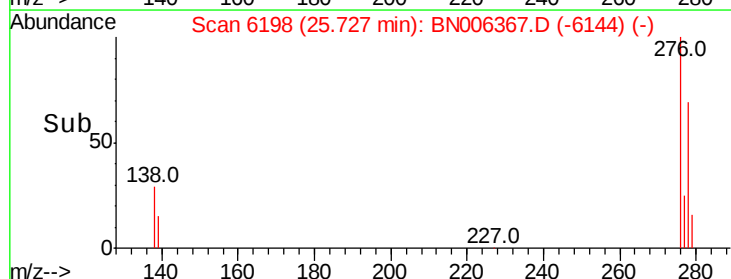
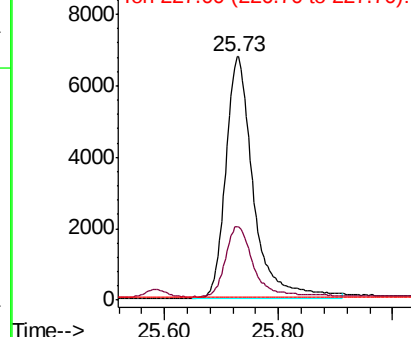
276 100

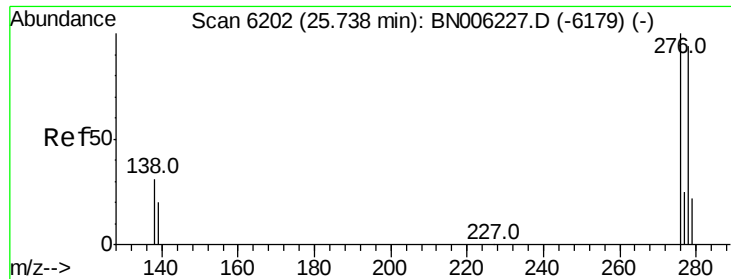
138 29.7 25.6 38.4

227 0.3 0.3 0.5#



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

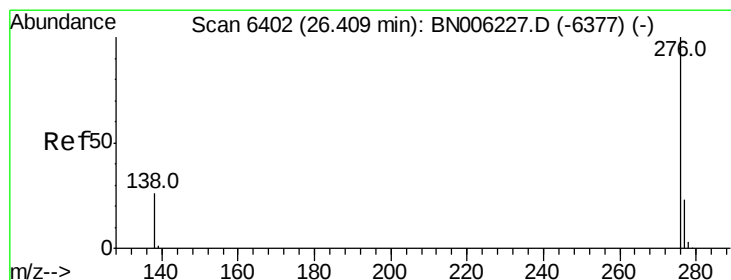
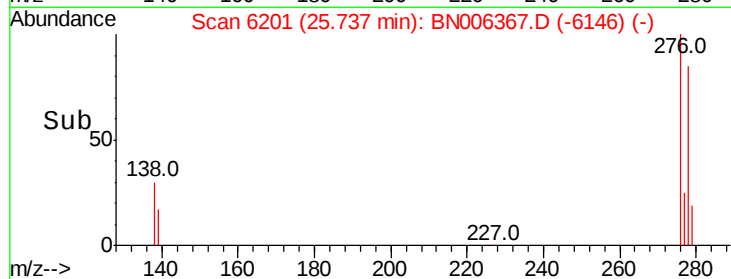
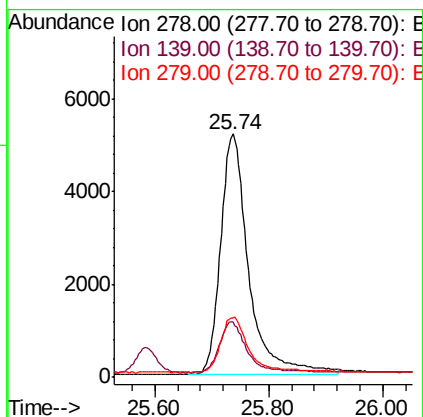
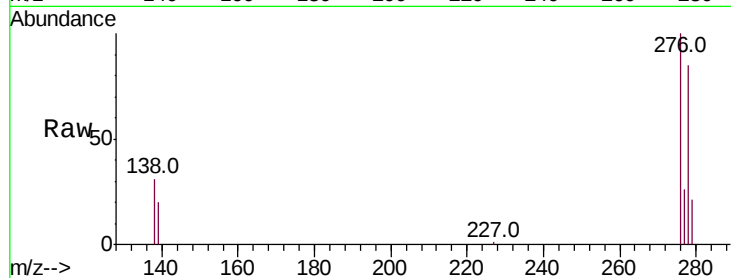




#25
Dibenzo(a,h)anthracene
Concen: 0.424 ng/ul
RT: 25.74 min Scan# 6201
Delta R.T. -0.02 min
Lab File: BN006367.D
Acq: 18 Jun 2019 02:11

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 17730
Ion Ratio Lower Upper
278 100
139 22.9 21.2 31.8
279 24.5 22.6 33.8



#26
Benzo(g,h,i)perylene
Concen: 0.449 ng/ul
RT: 26.41 min Scan# 6402
Delta R.T. -0.02 min
Lab File: BN006367.D
Acq: 18 Jun 2019 02:11

Tgt Ion:276 Resp: 19657
Ion Ratio Lower Upper
276 100
138 27.6 24.2 36.4
277 24.3 21.5 32.3

