

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
 Data File : BN006299.D
 Acq On : 13 Jun 2019 01:58
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 13 02:31:44 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 : Wed Jun 12 17:24:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	5310	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	21520	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10936	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	20002	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13610	0.40	ng/ul	-0.03
20) Perylene-d12	23.49	264	14933	0.40	ng/ul	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	12705	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	19954	0.37	ng/ul	0.00

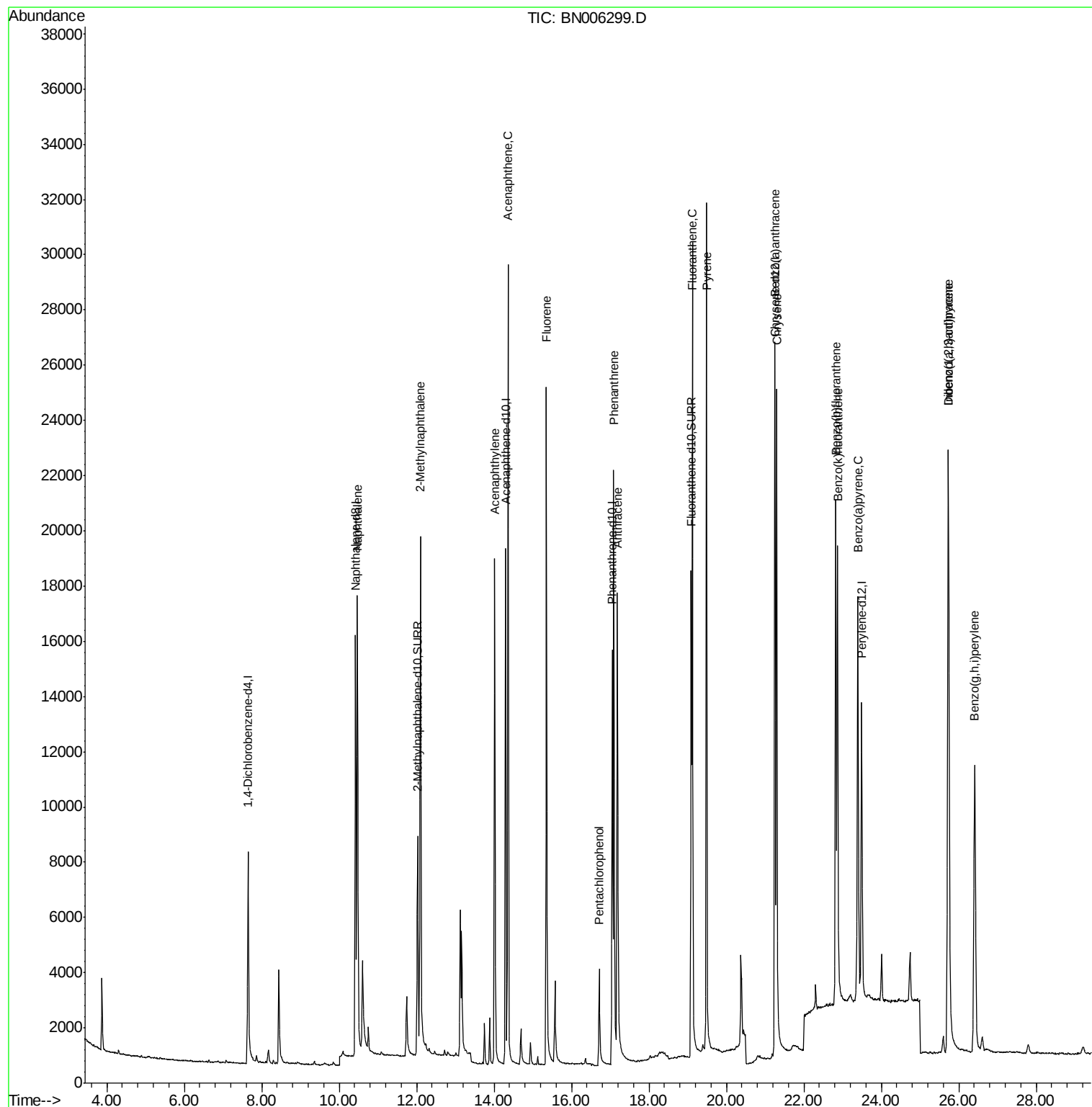
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.47	128	23680	0.399	ng/ul	100
5) 2-Methylnaphthalene	12.09	142	15906	0.384	ng/ul	99
7) Acenaphthylene	14.01	152	22828	0.376	ng/ul	99
8) Acenaphthene	14.36	153	16904	0.401	ng/ul	100
9) Fluorene	15.35	166	17398	0.353	ng/ul	98
11) Pentachlorophenol	16.71	266	3377	0.664	ng/ul	98
12) Phenanthrene	17.09	178	24294	0.378	ng/ul	99
13) Anthracene	17.18	178	21778	0.355	ng/ul	100
15) Fluoranthene	19.12	202	26032	0.367	ng/ul	97
17) Pyrene	19.49	202	26852	0.375	ng/ul	99
18) Benzo(a)anthracene	21.24	228	21617	0.359	ng/ul	100
19) Chrysene	21.30	228	24251	0.429	ng/ul	99
21) Benzo(b)fluoranthene	22.82	252	22124	0.355	ng/ul	96
22) Benzo(k)fluoranthene	22.87	252	23689	0.391	ng/ul	98
23) Benzo(a)pyrene	23.39	252	22819	0.393	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.73	276	26124	0.416	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.74	278	20604	0.411	ng/ul	95
26) Benzo(g,h,i)perylene	26.41	276	22262	0.423	ng/ul	97

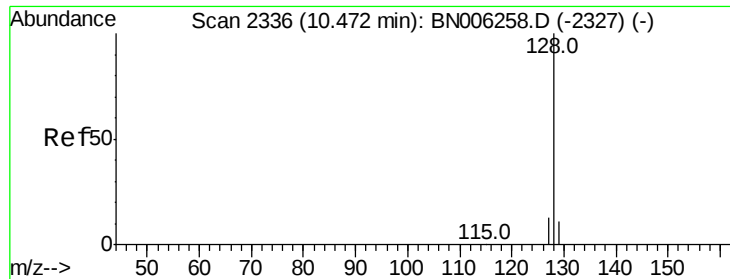
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.399 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

Instrument :

BNA_N

ClientSampleId :

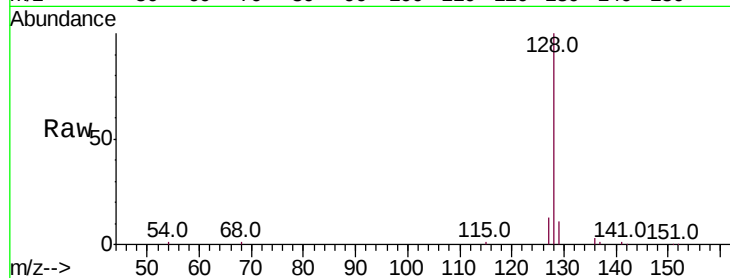
Tot Ion:128 Resp: 23680

Ion Ratio Lower Upper

128 100

129 11.5 9.3 13.9

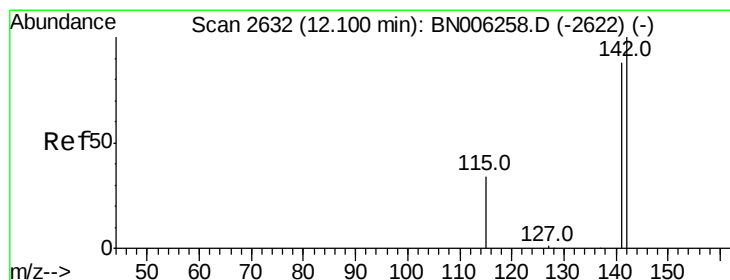
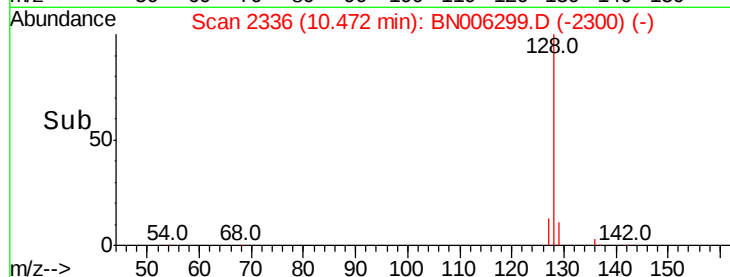
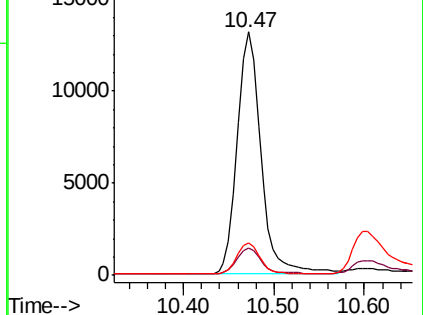
127 13.4 10.7 16.1



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: 0.384 ng/ul

RT: 12.09 min Scan# 2631

Delta R.T. -0.00 min

Lab File: BN006299.D

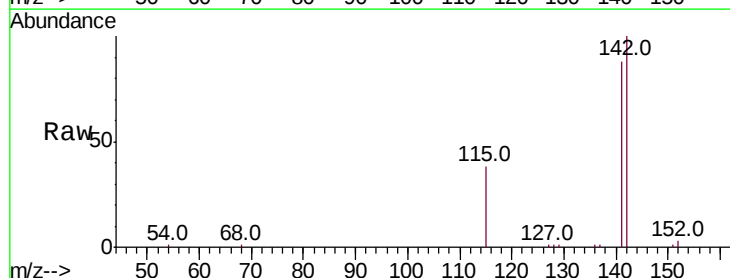
Acq: 13 Jun 2019 01:58

Tgt Ion:142 Resp: 15906

Ion Ratio Lower Upper

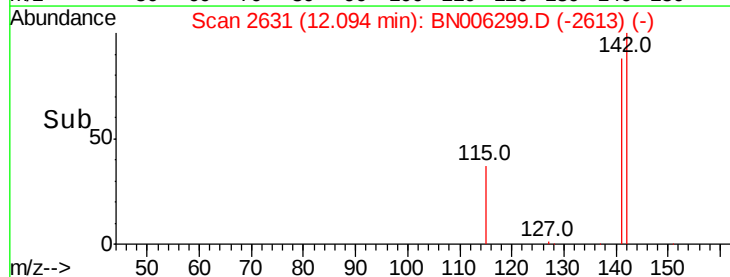
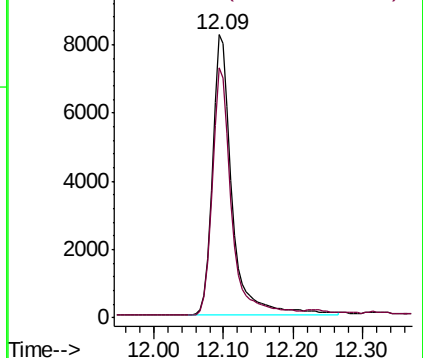
142 100

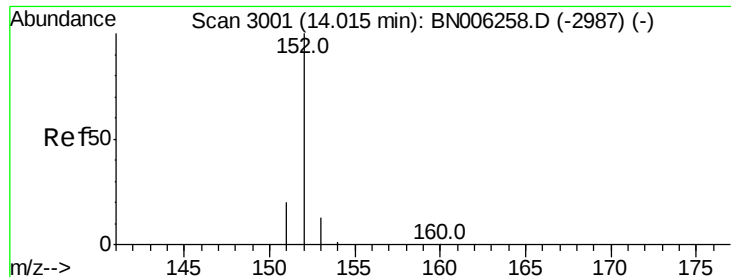
141 87.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.376 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

Instrument :

BNA_N

ClientSampleId :

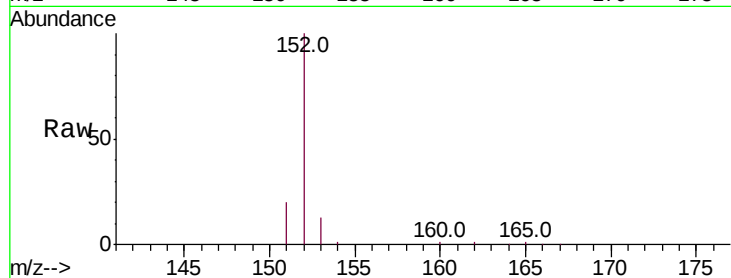
Tot Ion:152 Resp: 22828

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

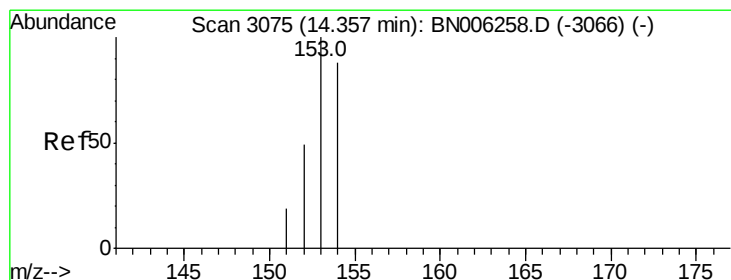
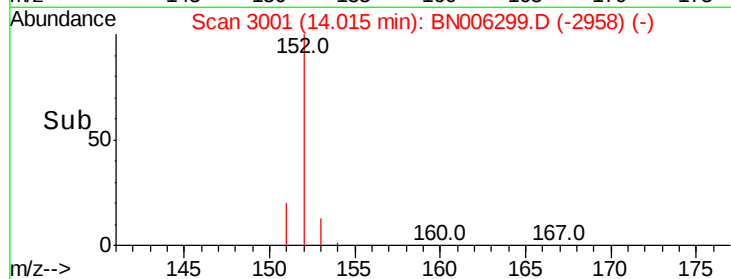
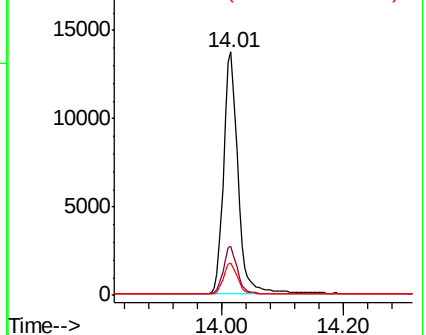
153 13.4 10.8 16.2



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: 0.401 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

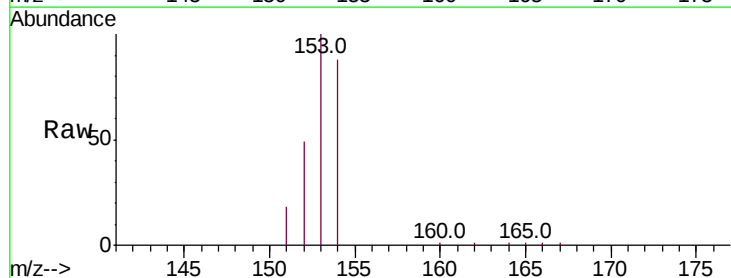
Tgt Ion:153 Resp: 16904

Ion Ratio Lower Upper

153 100

152 48.7 39.1 58.7

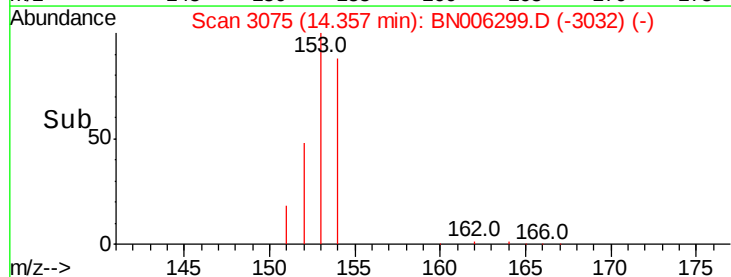
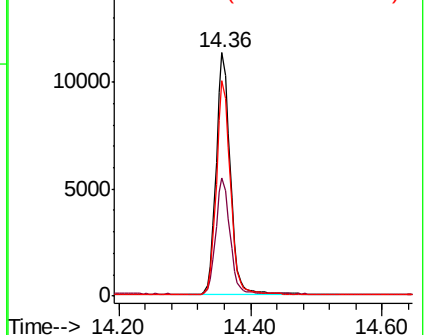
154 88.3 71.1 106.7

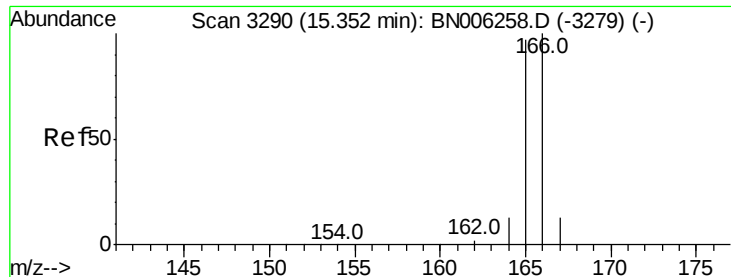


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.353 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

Instrument :

BNA_N

ClientSampleId :

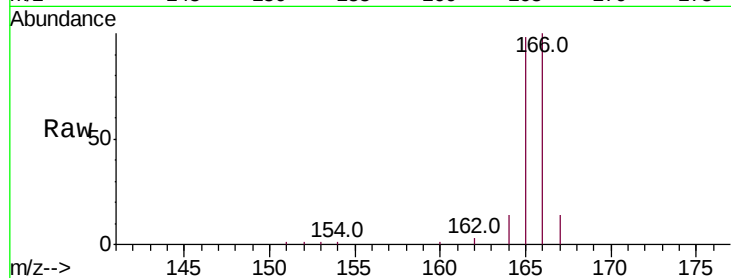
Tot Ion:166 Resp: 17398

Ion Ratio Lower Upper

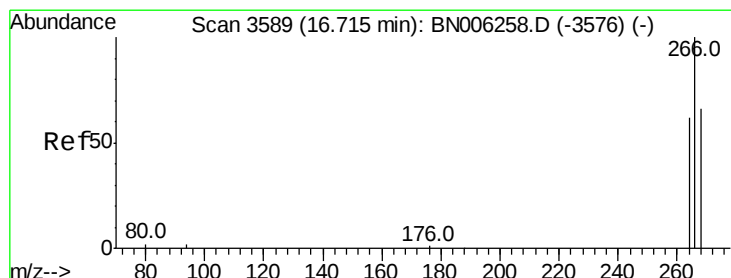
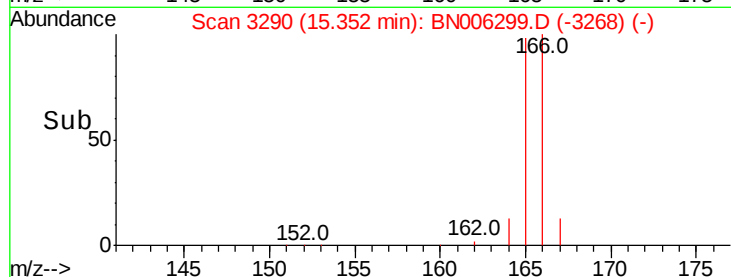
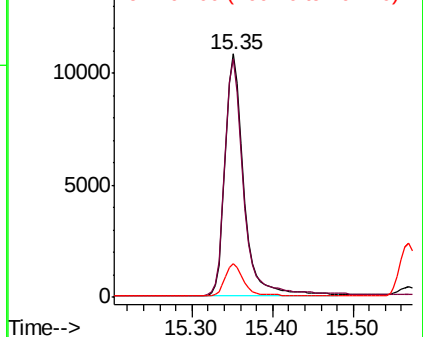
166 100

165 98.1 76.4 114.6

167 13.7 11.0 16.6



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



#11

Pentachlorophenol

Concen: 0.664 ng/ul

RT: 16.71 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

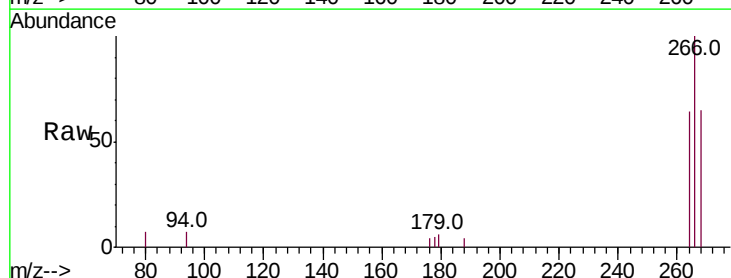
Tgt Ion:266 Resp: 3377

Ion Ratio Lower Upper

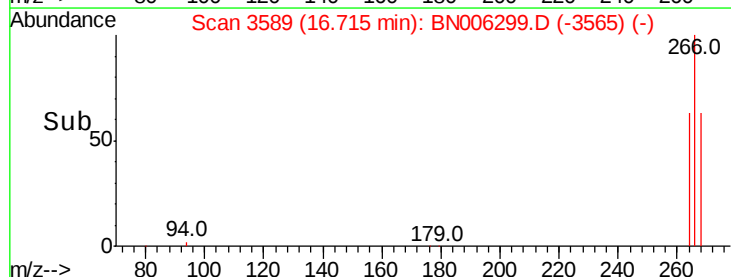
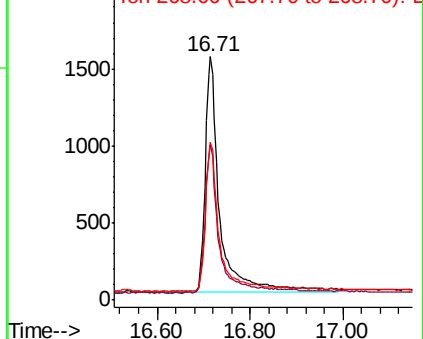
266 100

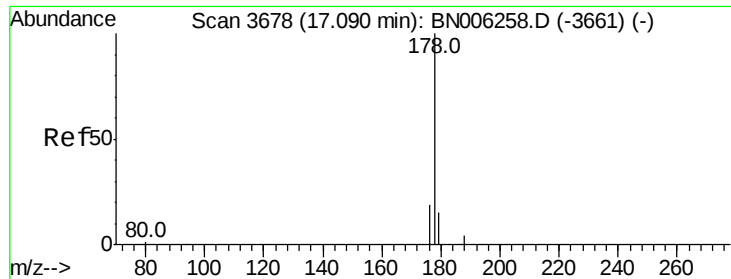
264 61.0 50.3 75.5

268 62.4 51.3 76.9



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.378 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

Instrument :

BNA_N

ClientSampleId :

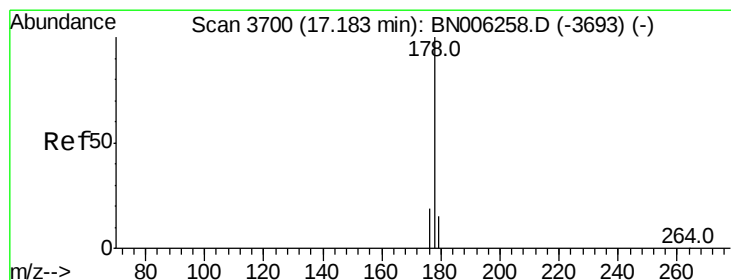
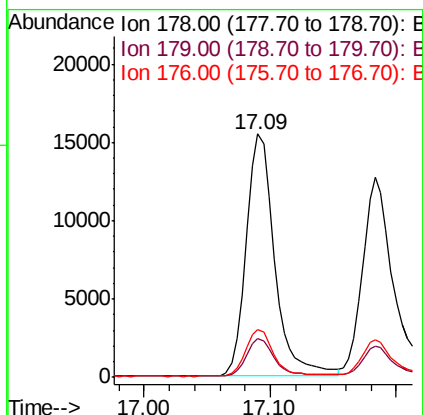
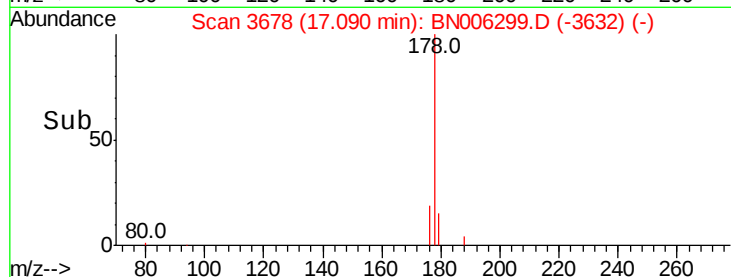
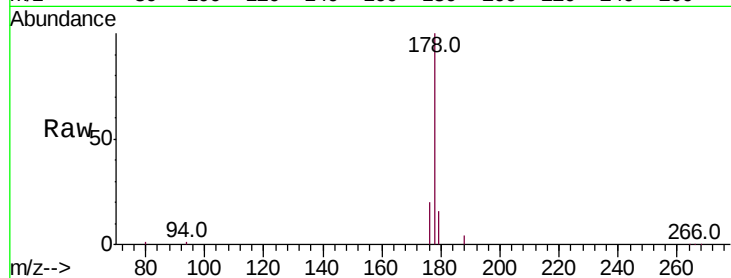
Tot Ion:178 Resp: 24294

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

176 19.7 15.3 22.9



#13

Anthracene

Concen: 0.355 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

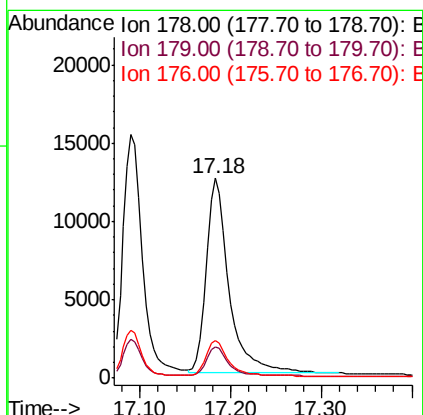
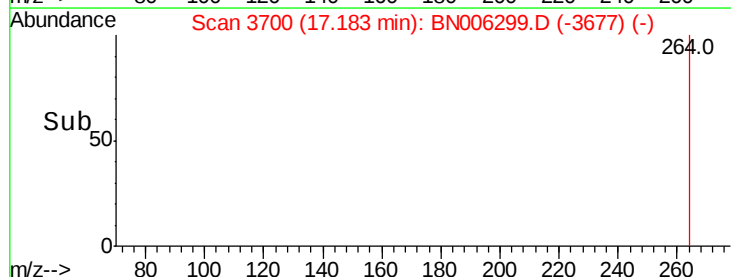
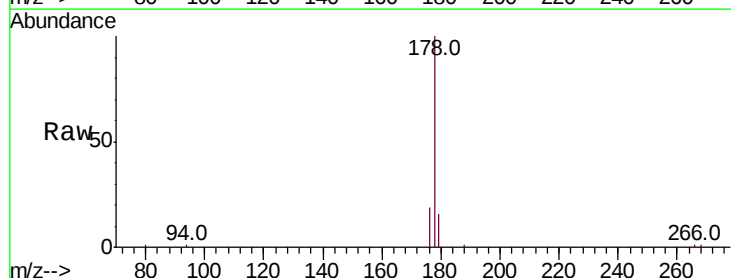
Tgt Ion:178 Resp: 21778

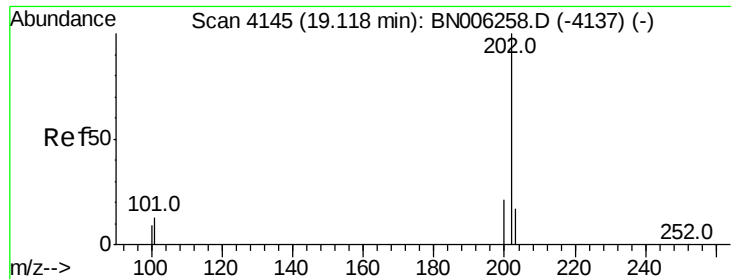
Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

176 18.9 15.1 22.7

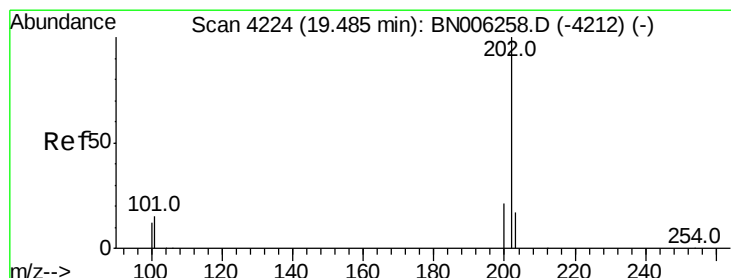
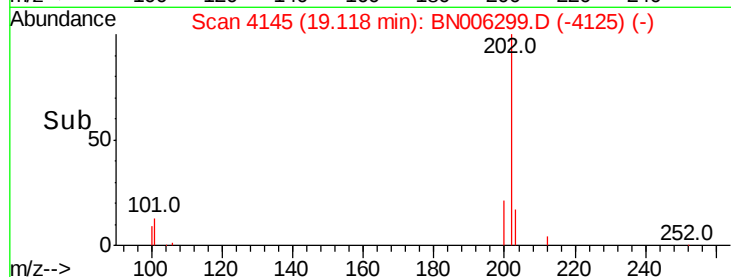
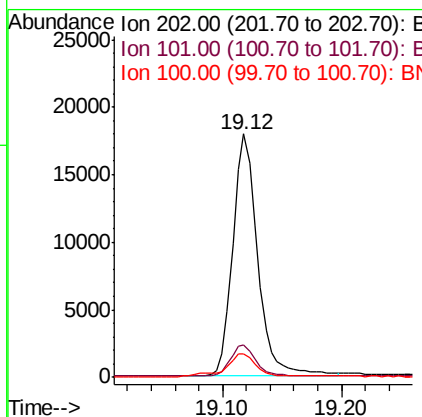
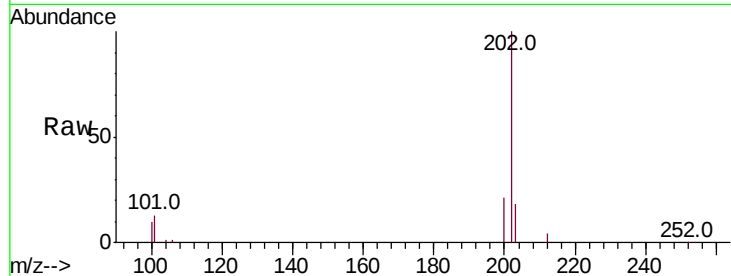




#15
Fluoranthene
 Concen: 0.367 ng/ul
 RT: 19.12 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BN006299.D
 Acq: 13 Jun 2019 01:58

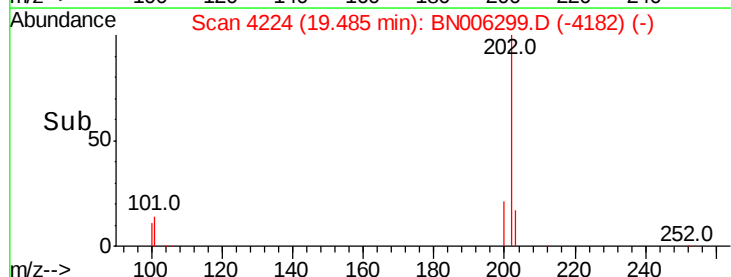
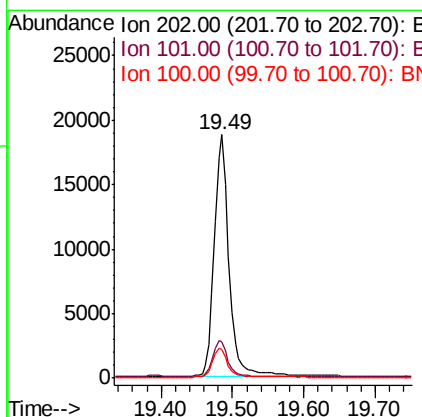
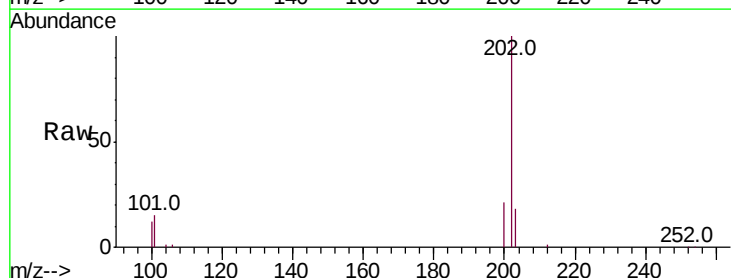
Instrument :
 BNA_N
 ClientSampleID :

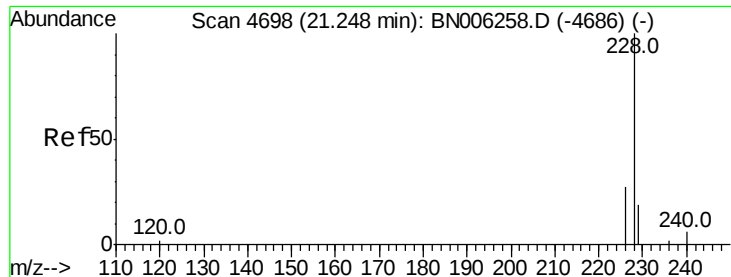
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	32.1
100	9.7	0.0	28.7



#17
Pyrene
 Concen: 0.375 ng/ul
 RT: 19.49 min Scan# 4224
 Delta R.T. -0.01 min
 Lab File: BN006299.D
 Acq: 13 Jun 2019 01:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	12.2	18.2
100	11.6	9.8	14.6





#18

Benzo(a)anthracene

Concen: 0.359 ng/ul

RT: 21.24 min Scan# 4697

Delta R.T. -0.03 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

Instrument :

BNA_N

ClientSampleId :

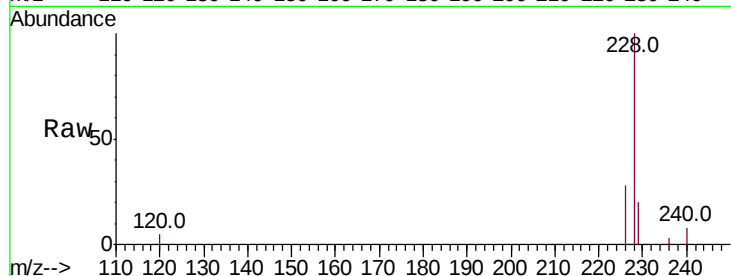
Tot Ion:228 Resp: 21617

Ion Ratio Lower Upper

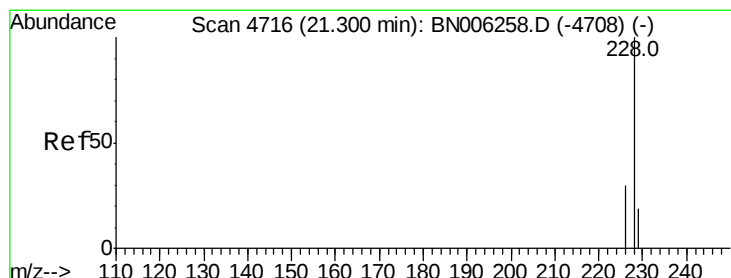
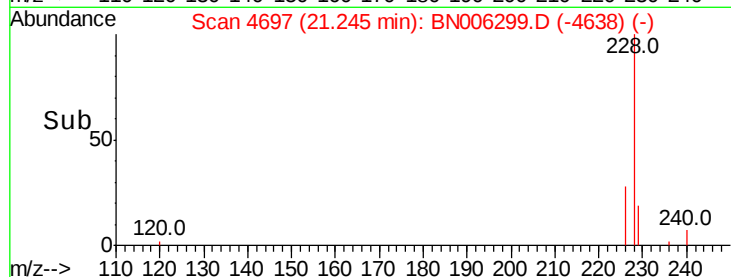
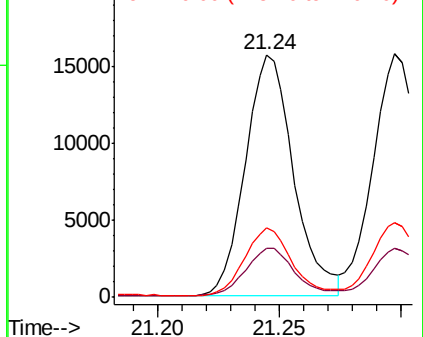
228 100

229 20.2 16.5 24.7

226 28.5 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: 0.429 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.03 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

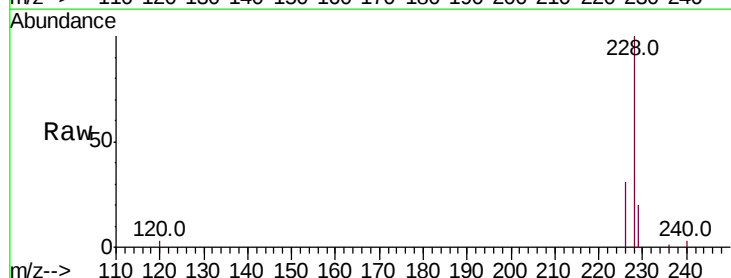
Tgt Ion:228 Resp: 24251

Ion Ratio Lower Upper

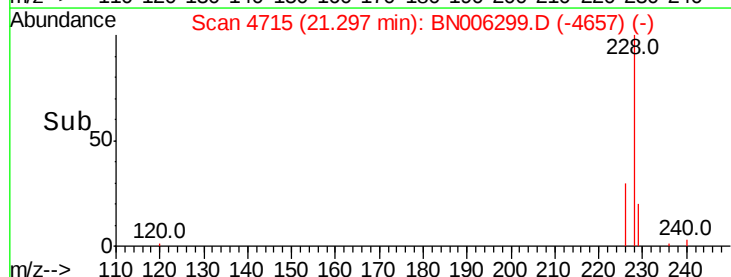
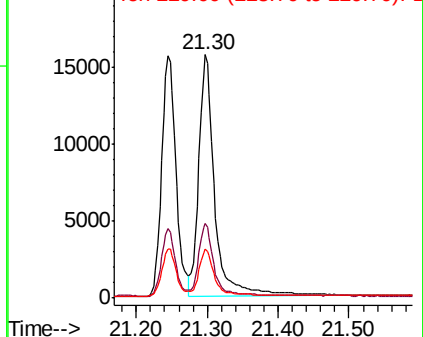
228 100

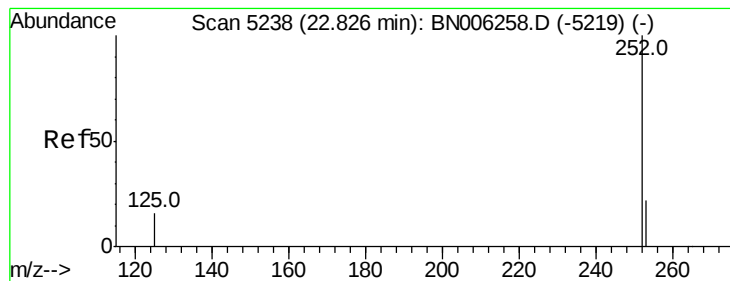
226 30.9 25.0 37.6

229 20.3 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: 0.355 ng/ul

RT: 22.82 min Scan# 5237

Delta R.T. -0.05 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

Instrument :

BNA_N

ClientSampleId :

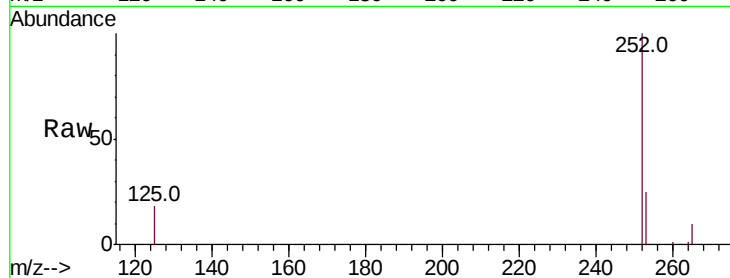
Tot Ion:252 Resp: 22124

Ion Ratio Lower Upper

252 100

253 24.8 0.0 51.4

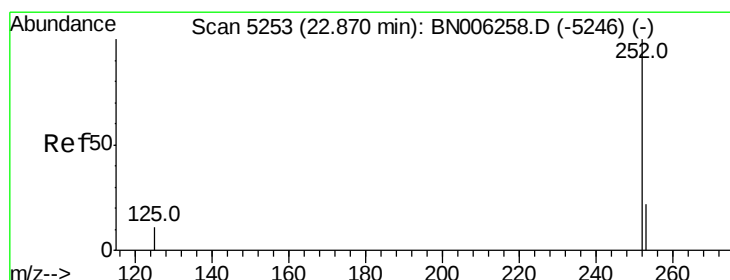
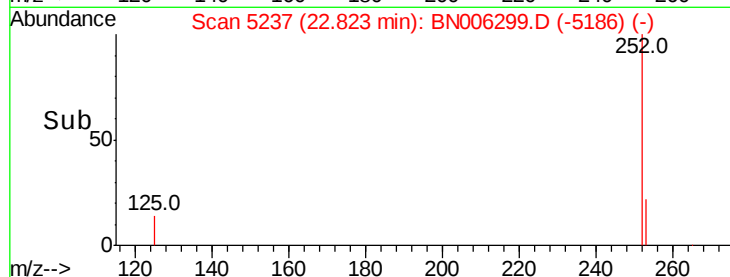
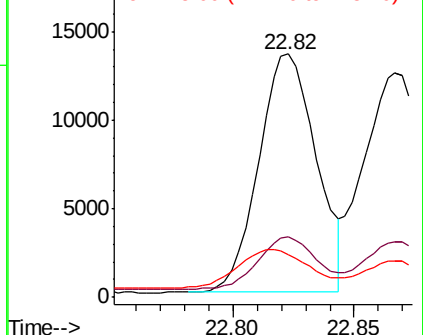
125 17.7 0.0 41.0



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: 0.391 ng/ul

RT: 22.87 min Scan# 5252

Delta R.T. -0.05 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

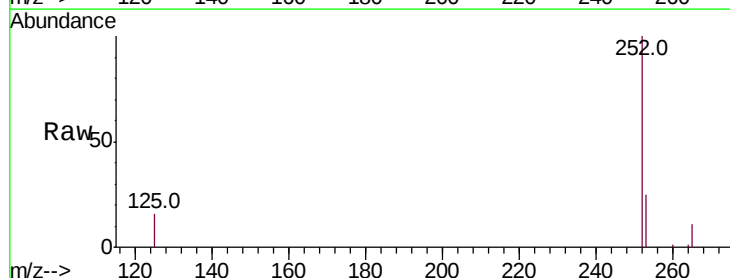
Tgt Ion:252 Resp: 23689

Ion Ratio Lower Upper

252 100

253 24.8 20.3 30.5

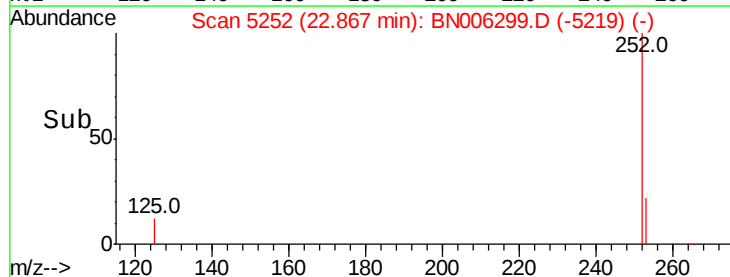
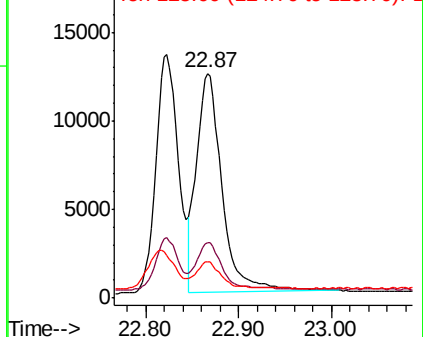
125 16.3 14.3 21.5

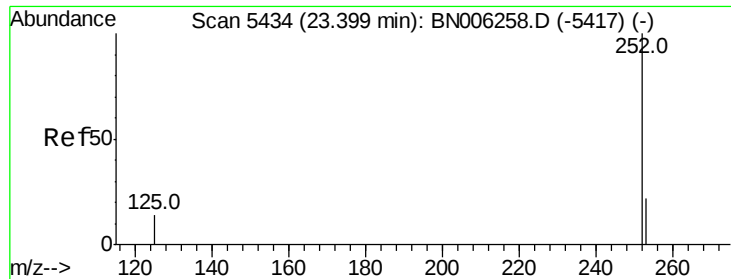


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.393 ng/u1

RT: 23.39 min Scan# 5432

Delta R.T. -0.06 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

Instrument :

BNA_N

ClientSampleId :

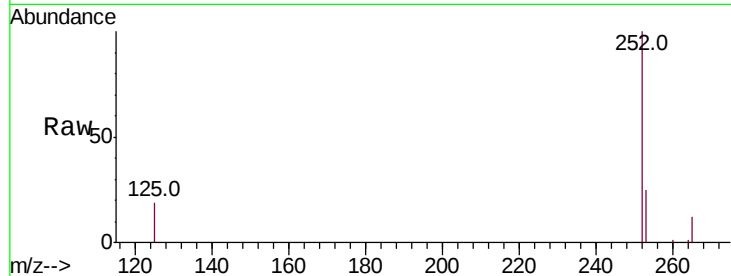
Tot Ion:252 Resp: 22819

Ion Ratio Lower Upper

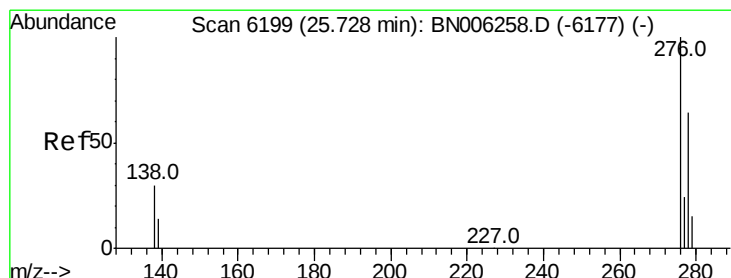
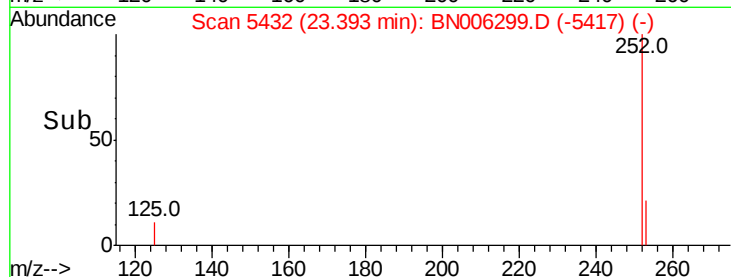
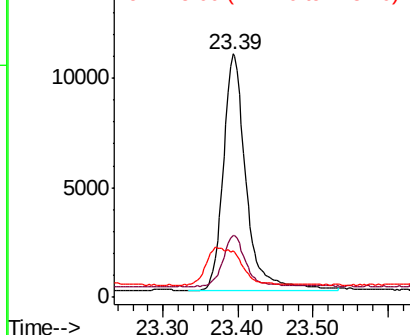
252 100

253 25.4 21.1 31.7

125 18.9 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: 0.416 ng/u1

RT: 25.73 min Scan# 6198

Delta R.T. -0.07 min

Lab File: BN006299.D

Acq: 13 Jun 2019 01:58

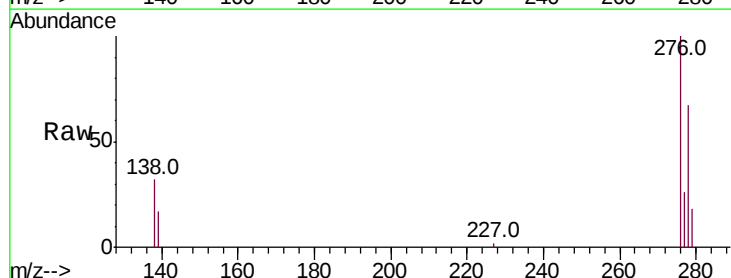
Tgt Ion:276 Resp: 26124

Ion Ratio Lower Upper

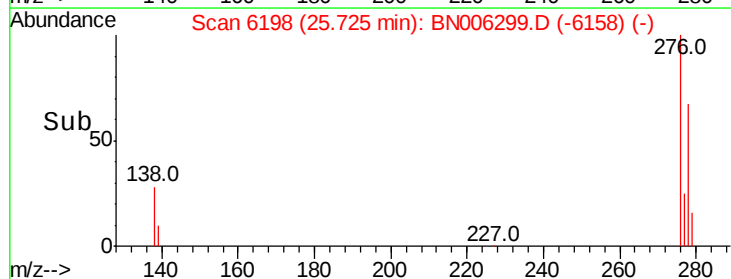
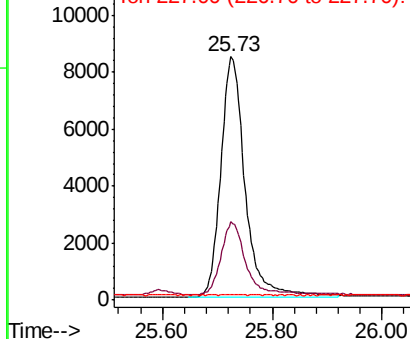
276 100

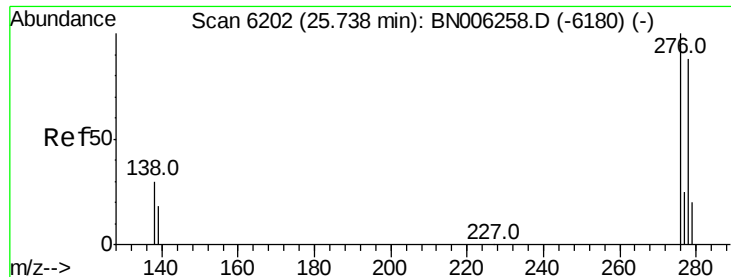
138 30.9 25.6 38.4

227 0.2 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

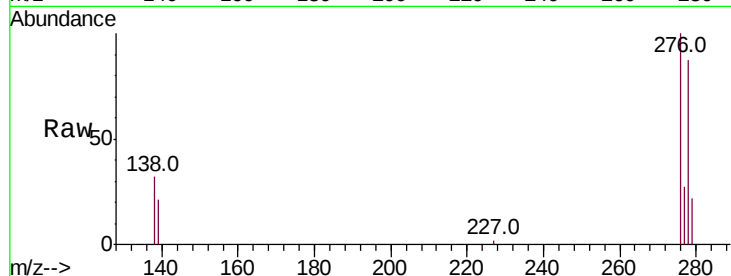




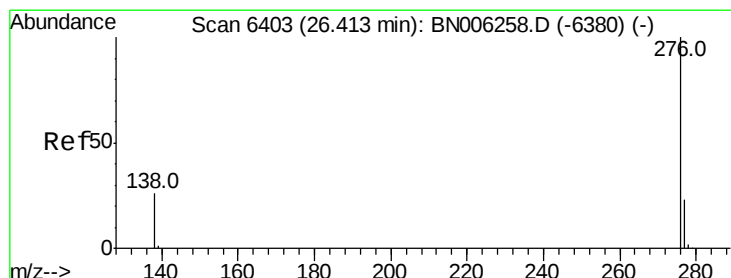
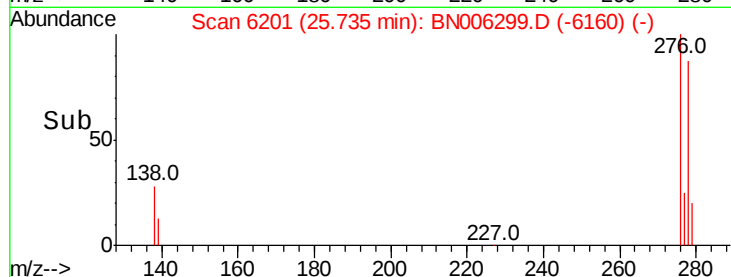
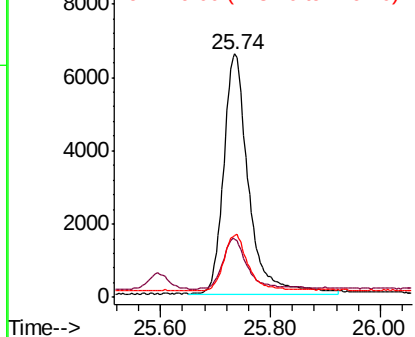
#25
Dibenzo(a,h)anthracene
Concen: 0.411 ng/ul
RT: 25.74 min Scan# 6201
Delta R.T. -0.06 min
Lab File: BN006299.D
Acq: 13 Jun 2019 01:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 20604
Ion Ratio Lower Upper
278 100
139 24.0 21.2 31.8
279 25.6 22.6 33.8

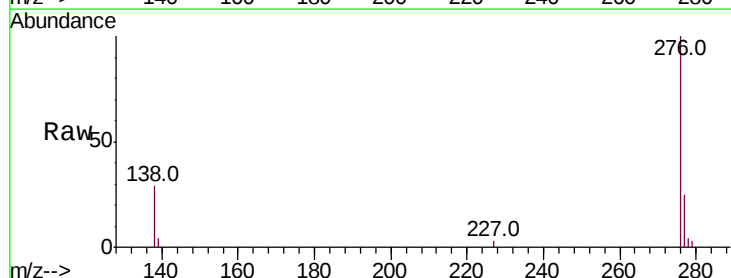


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.423 ng/ul
RT: 26.41 min Scan# 6403
Delta R.T. -0.06 min
Lab File: BN006299.D
Acq: 13 Jun 2019 01:58

Tgt Ion:276 Resp: 22262
Ion Ratio Lower Upper
276 100
138 28.9 24.2 36.4
277 24.5 21.5 32.3



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

