

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062719\
 Data File : BN006600.D
 Acq On : 27 Jun 2019 13:29
 Operator : HP/JU
 Sample : SSTD1.617
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 27 14:21:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 14:04:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2410	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	9989	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	5542	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	12466	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	11425	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	11830	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	24960	1.63	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	59153	1.77	ng/ul	0.00

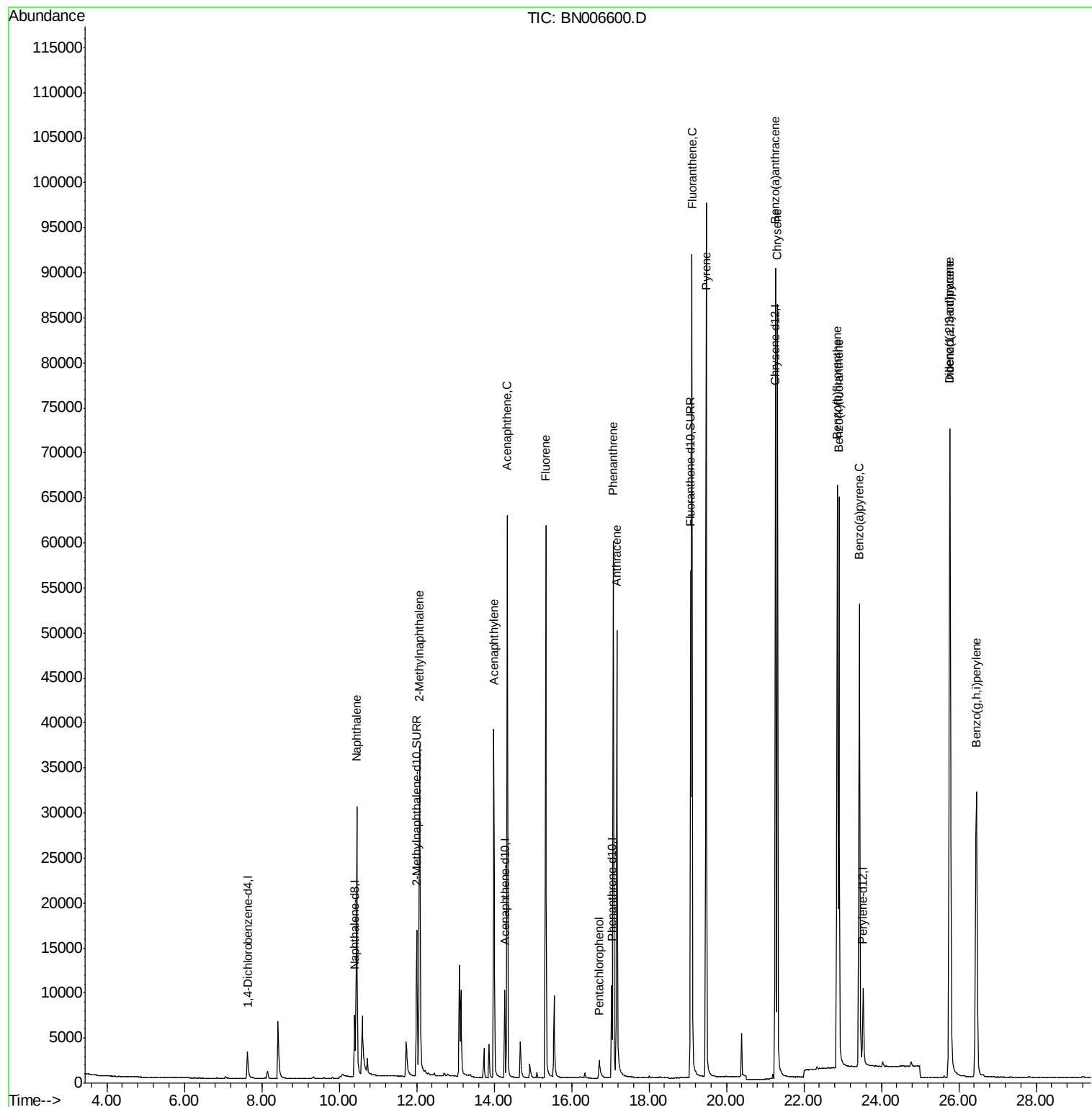
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.45	128	45393	1.647	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	31723	1.651	ng/ul	98
7) Acenaphthylene	13.99	152	48024	1.559	ng/ul	99
8) Acenaphthene	14.34	153	35864	1.678	ng/ul	100
9) Fluorene	15.33	166	40715	1.628	ng/ul	99
11) Pentachlorophenol	16.71	266	3261	1.029	ng/ul	94
12) Phenanthrene	17.08	178	65620	1.640	ng/ul	99
13) Anthracene	17.17	178	60560	1.585	ng/ul	98
15) Fluoranthene	19.11	202	80135	1.814	ng/ul	99
17) Pyrene	19.48	202	81805	1.359	ng/ul	98
18) Benzo(a)anthracene	21.26	228	75901	1.502	ng/ul	99
19) Chrysene	21.32	228	80486	1.697	ng/ul	99
21) Benzo(b)fluoranthene	22.86	252	78479	1.591	ng/ul	96
22) Benzo(k)fluoranthene	22.90	252	82796	1.723	ng/ul	96
23) Benzo(a)pyrene	23.43	252	76393	1.663	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.77	276	79082	1.590	ng/ul	100
25) Dibenzo(a,h)anthracene	25.77	278	63073	1.587	ng/ul	97
26) Benzo(g,h,i)perylene	26.45	276	65159	1.564	ng/ul	99

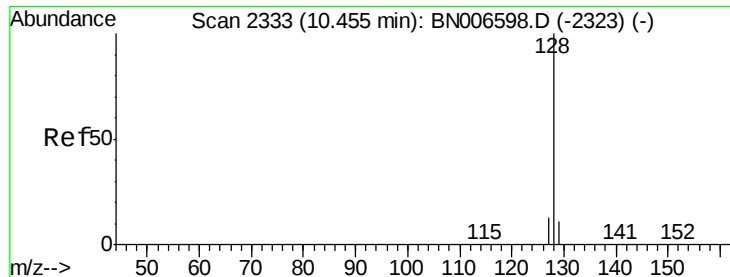
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.647 ng/ul

RT: 10.45 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

Instrument :

BNA_N

ClientSampleId :

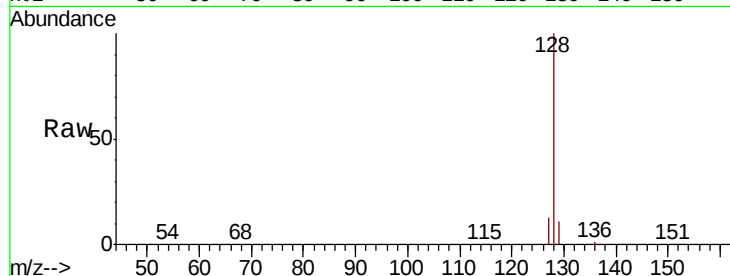
Tot Ion:128 Resp: 45393

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.0

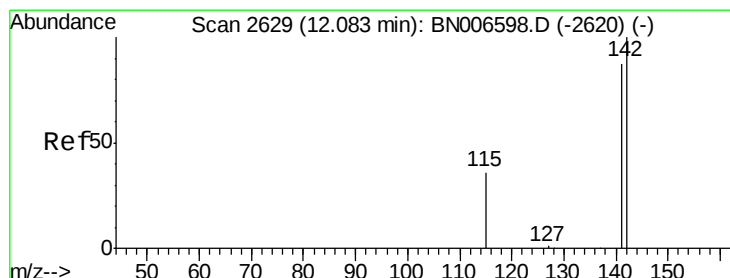
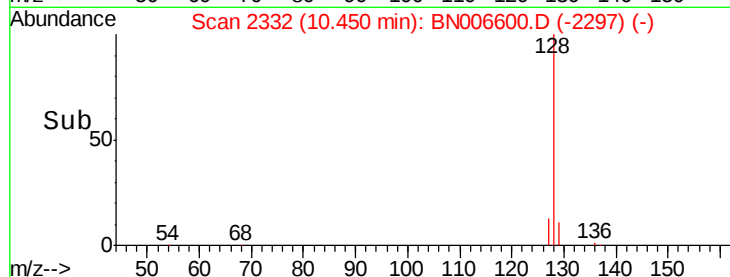
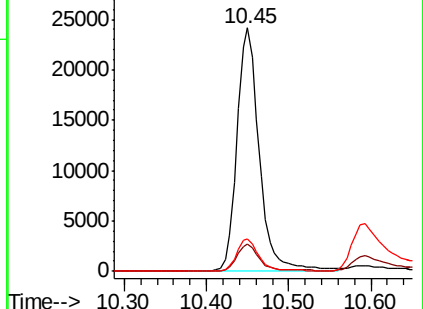
127 13.1 10.6 16.0



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



#5

2-Methylnaphthalene

Concen: 1.651 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. -0.01 min

Lab File: BN006600.D

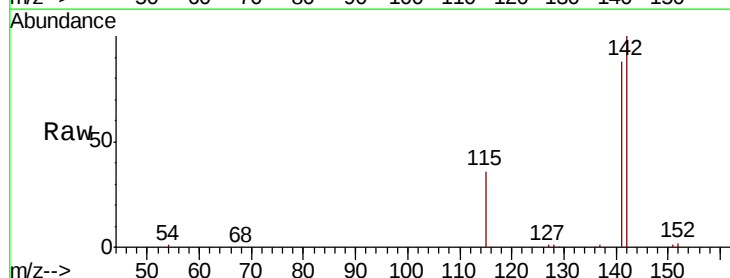
Acq: 27 Jun 2019 13:29

Tgt Ion:142 Resp: 31723

Ion Ratio Lower Upper

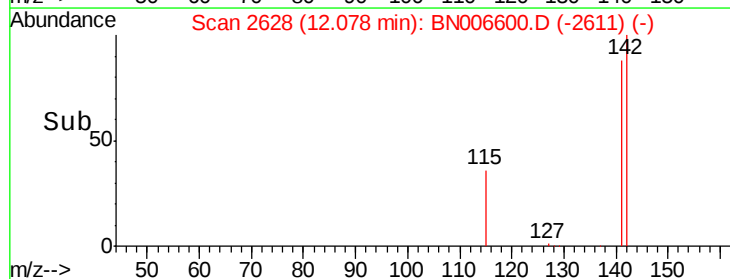
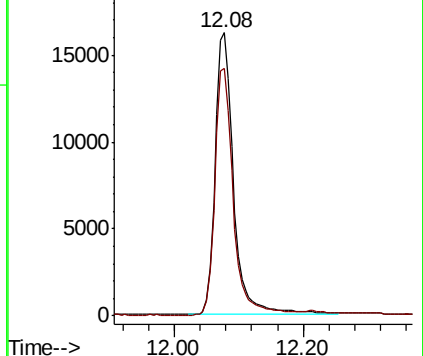
142 100

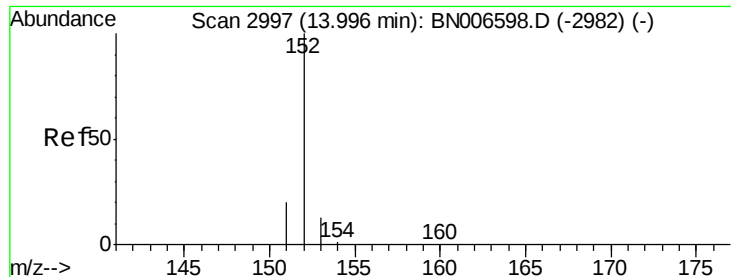
141 87.5 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.559 ng/ul

RT: 13.99 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

Instrument :

BNA_N

ClientSampleId :

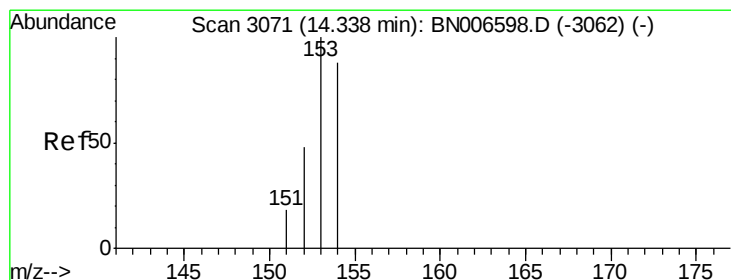
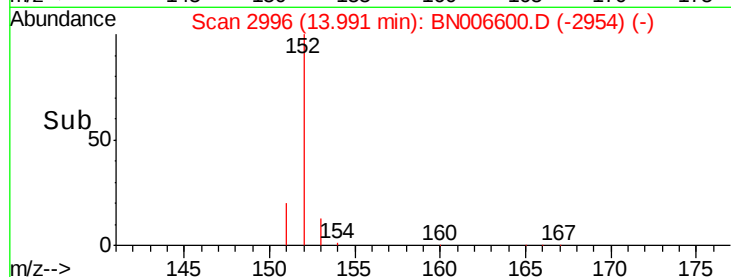
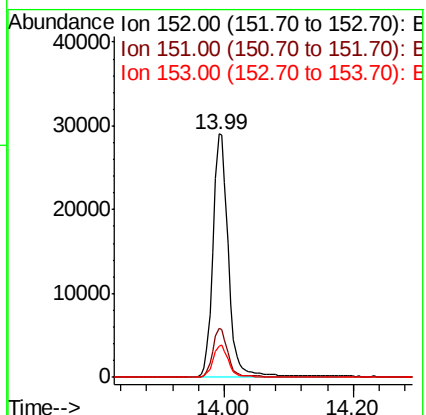
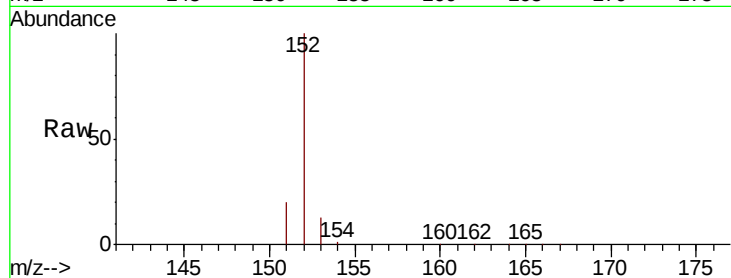
Tot Ion:152 Resp: 48024

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.0 11.2 16.8



#8

Acenaphthene

Concen: 1.678 ng/ul

RT: 14.34 min Scan# 3071

Delta R.T. -0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

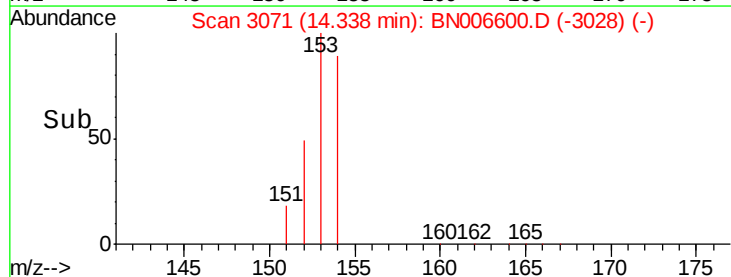
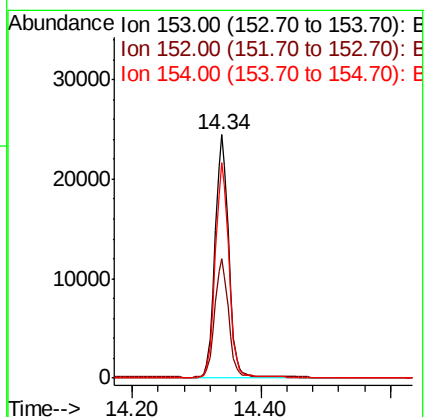
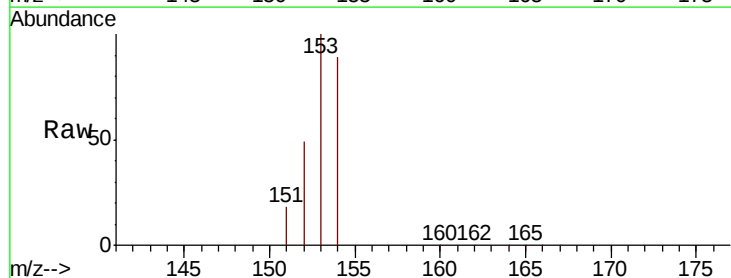
Tgt Ion:153 Resp: 35864

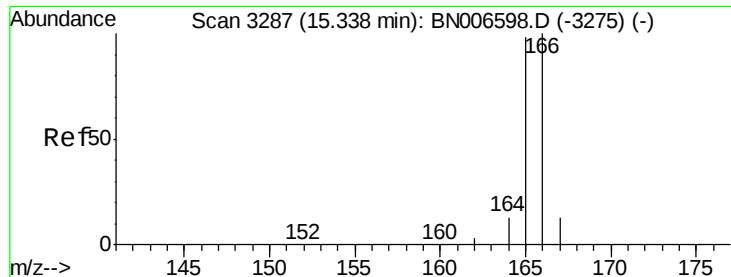
Ion Ratio Lower Upper

153 100

152 49.2 39.3 58.9

154 88.7 70.6 105.8





#9

Fluorene

Concen: 1.628 ng/ul

RT: 15.33 min Scan# 3286

Delta R.T. -0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

Instrument :

BNA_N

ClientSampleId :

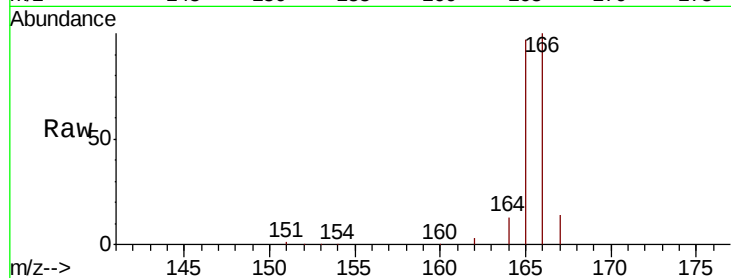
Tot Ion:166 Resp: 40715

Ion Ratio Lower Upper

166 100

165 97.3 78.2 117.4

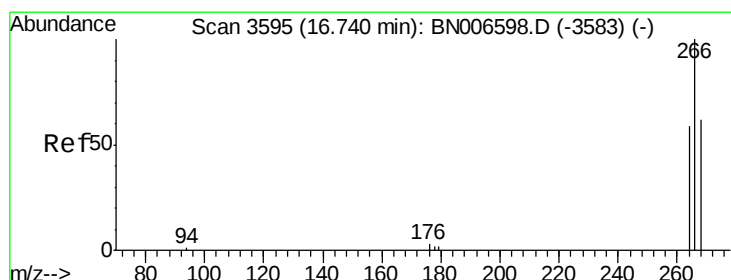
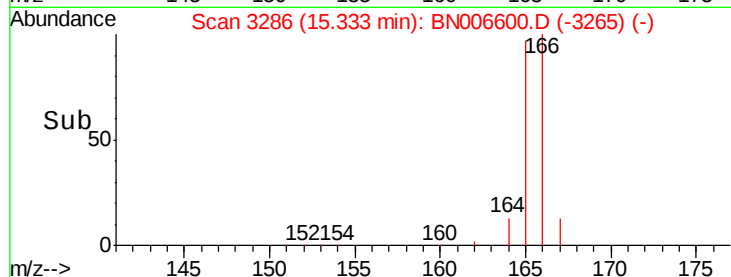
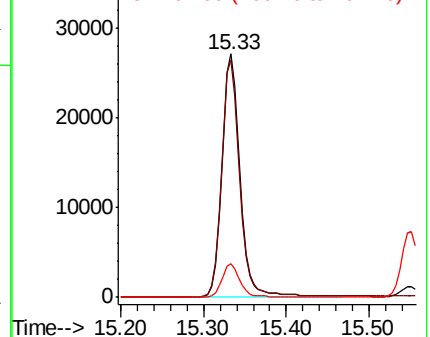
167 13.6 11.3 16.9



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: 1.029 ng/ul

RT: 16.71 min Scan# 3589

Delta R.T. -0.03 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

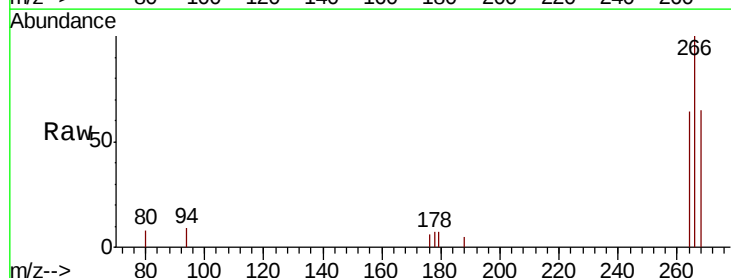
Tgt Ion:266 Resp: 3261

Ion Ratio Lower Upper

266 100

264 63.2 45.9 68.9

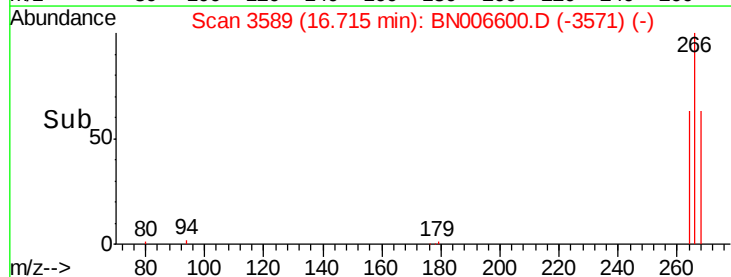
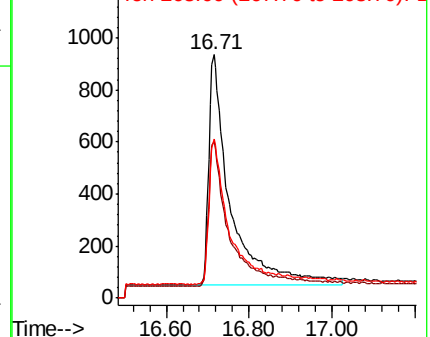
268 63.8 48.1 72.1

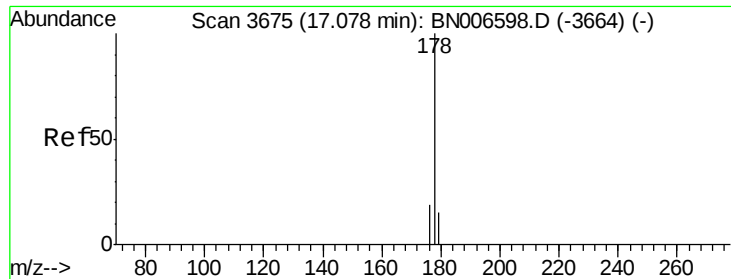


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.640 ng/ul

RT: 17.08 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

Instrument :

BNA_N

ClientSampleId :

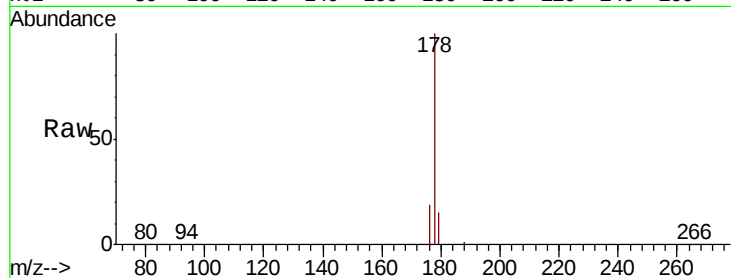
Tot Ion:178 Resp: 65620

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

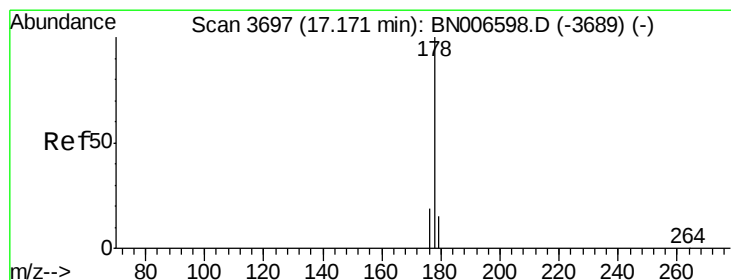
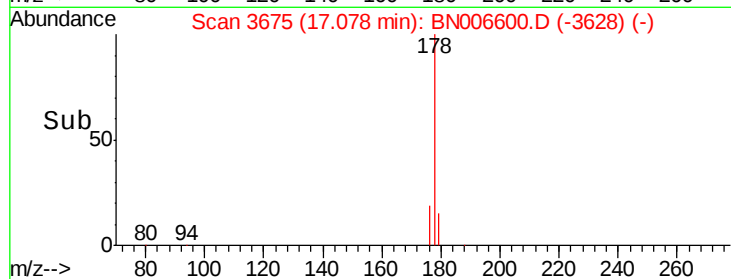
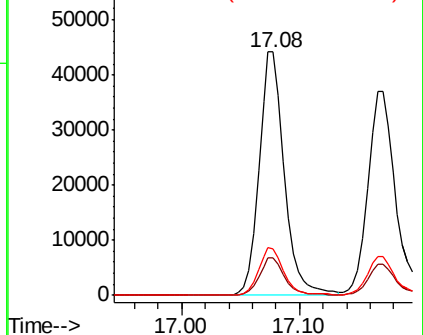
176 19.3 15.8 23.8



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



#13

Anthracene

Concen: 1.585 ng/ul

RT: 17.17 min Scan# 3697

Delta R.T. -0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

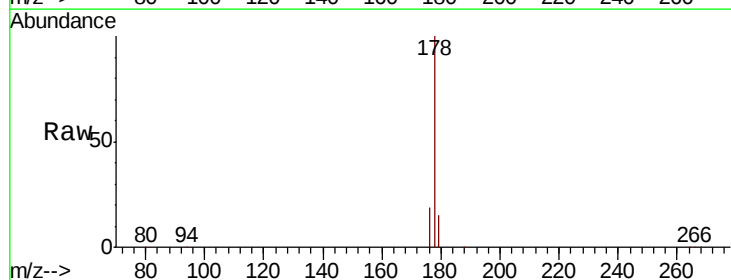
Tgt Ion:178 Resp: 60560

Ion Ratio Lower Upper

178 100

179 15.5 12.7 19.1

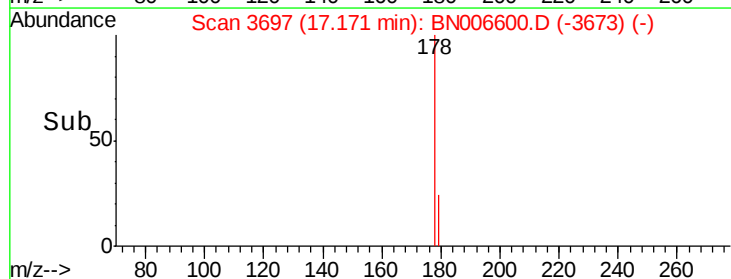
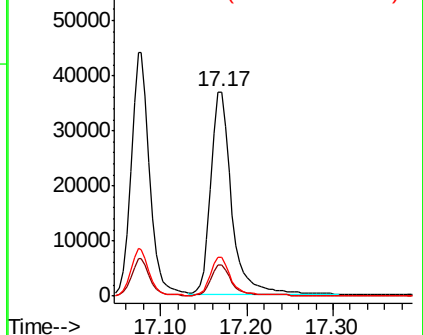
176 18.8 15.8 23.6

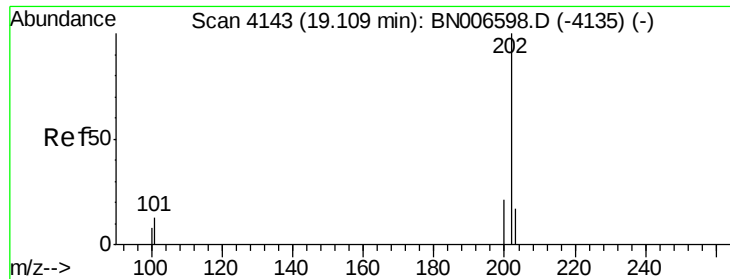


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

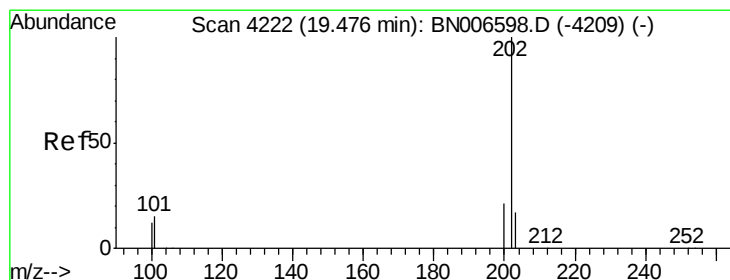
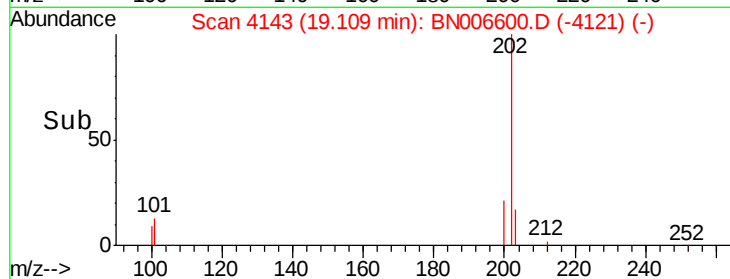
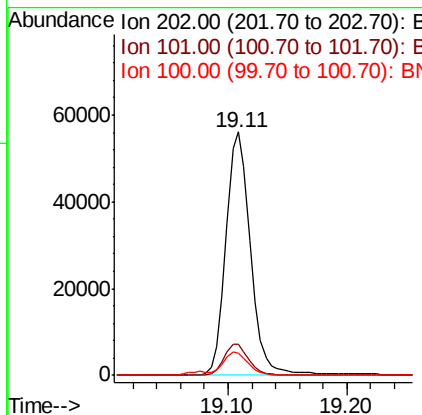
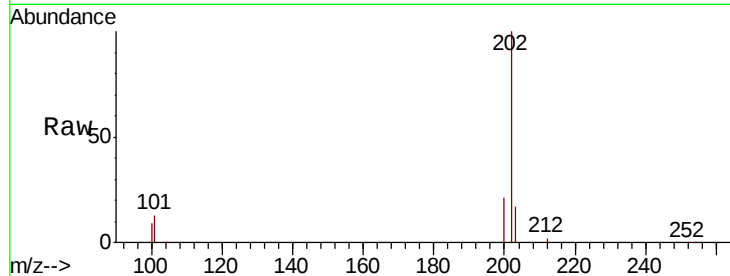




#15
Fluoranthene
 Concen: 1.814 ng/ul
 RT: 19.11 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: BN006600.D
 Acq: 27 Jun 2019 13:29

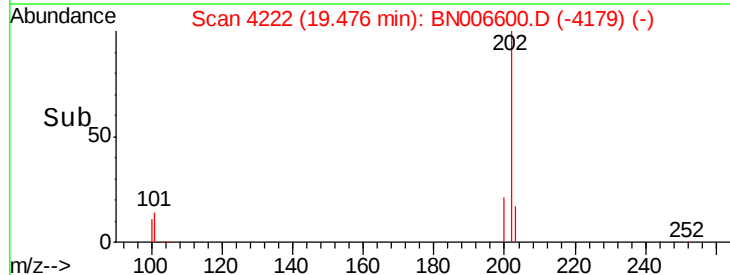
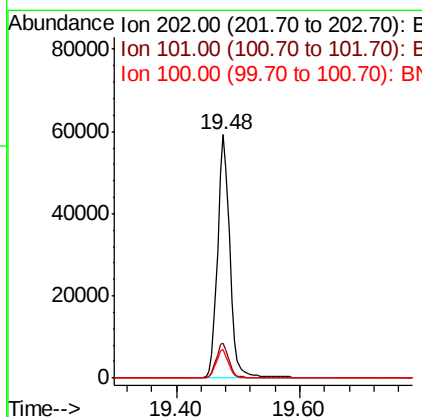
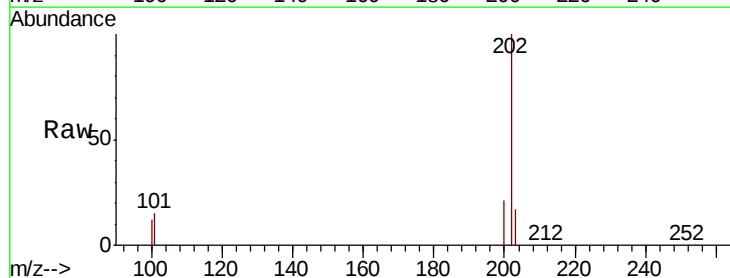
Instrument :
 BNA_N
 ClientSampleId :

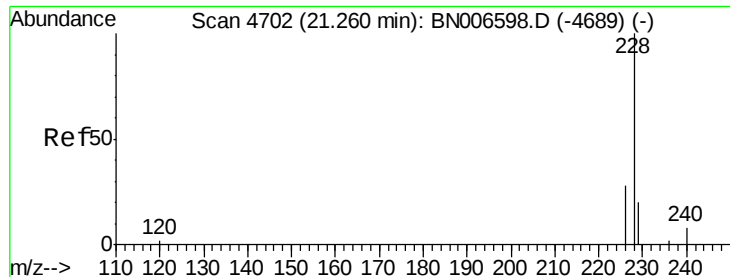
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
100	9.3	0.0	29.9



#17
Pyrene
 Concen: 1.359 ng/ul
 RT: 19.48 min Scan# 4222
 Delta R.T. -0.00 min
 Lab File: BN006600.D
 Acq: 27 Jun 2019 13:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	12.2	18.2
100	11.5	9.8	14.8

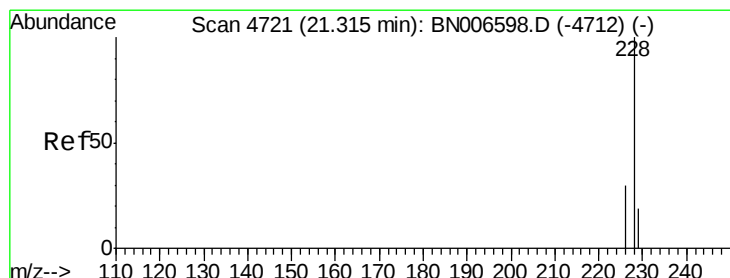
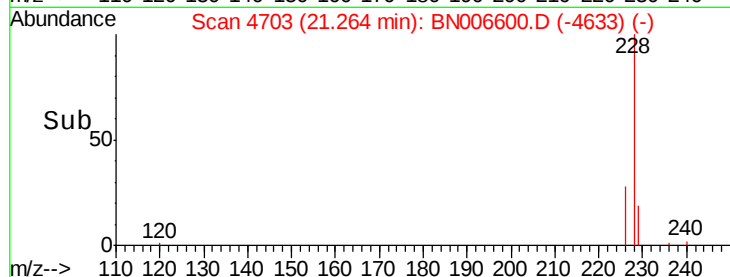
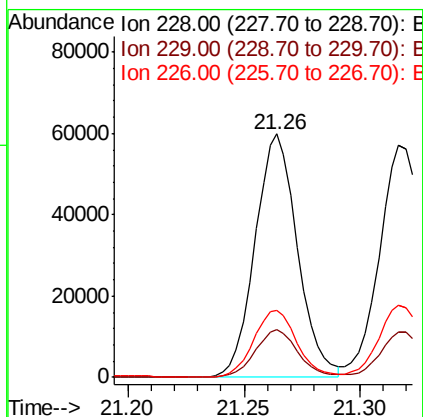
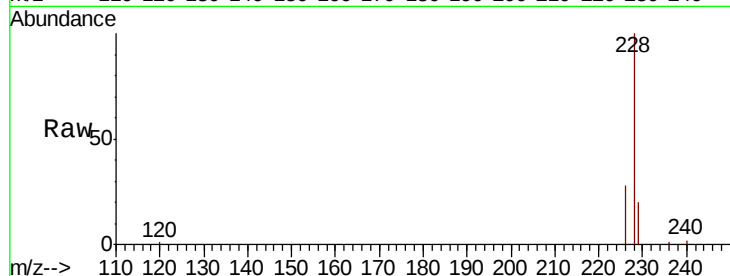




#18
Benzo(a)anthracene
Concen: 1.502 ng/ul
RT: 21.26 min Scan# 4703
Delta R.T. 0.00 min
Lab File: BN006600.D
Acq: 27 Jun 2019 13:29

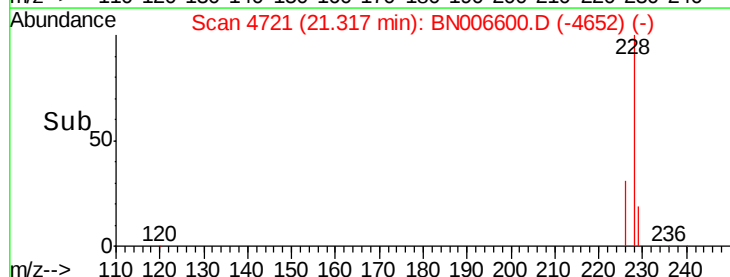
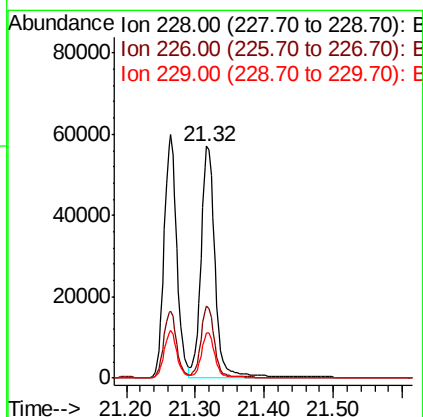
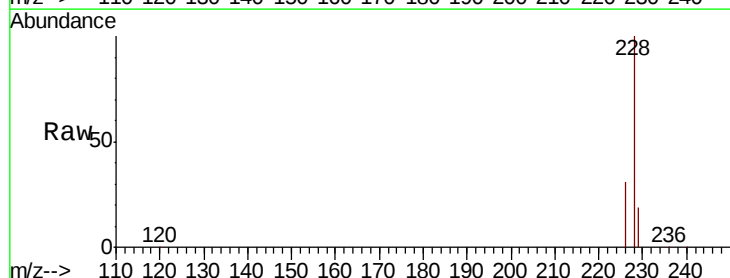
Instrument :
BNA_N
ClientSampleId :

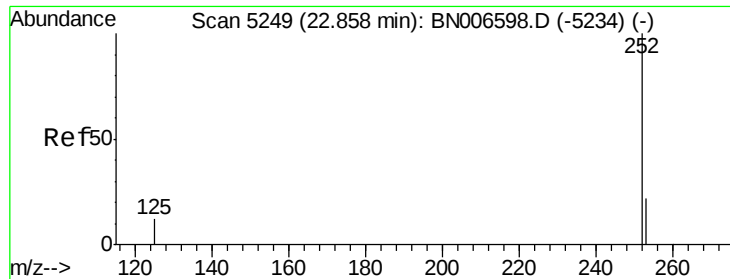
Tot Ion:228 Resp: 75901
Ion Ratio Lower Upper
228 100
229 19.5 15.9 23.9
226 27.6 22.6 34.0



#19
Chrysene
Concen: 1.697 ng/ul
RT: 21.32 min Scan# 4721
Delta R.T. 0.00 min
Lab File: BN006600.D
Acq: 27 Jun 2019 13:29

Tgt Ion:228 Resp: 80486
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 19.4 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 1.591 ng/ul

RT: 22.86 min Scan# 5249

Delta R.T. 0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

Instrument :

BNA_N

ClientSampleId :

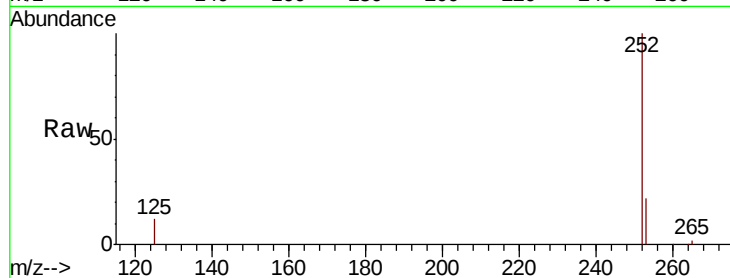
Tot Ion:252 Resp: 78479

Ion Ratio Lower Upper

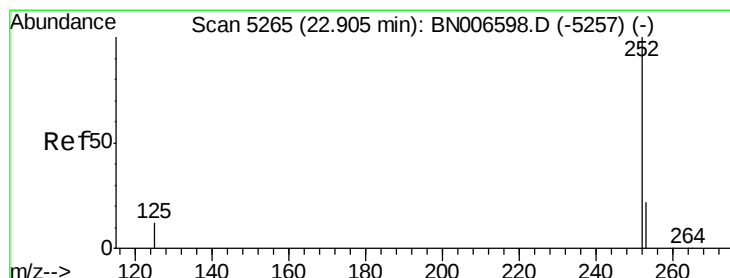
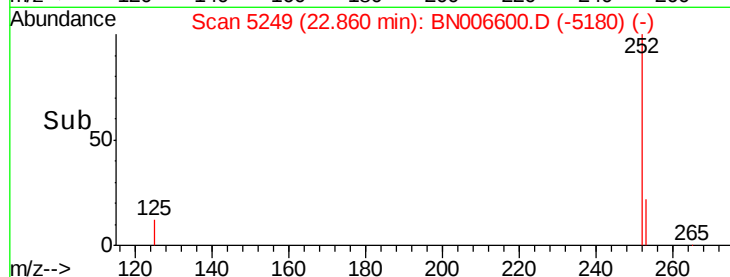
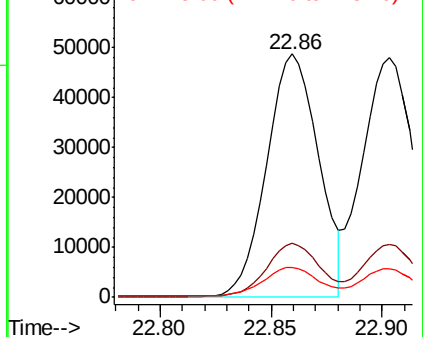
252 100

253 22.1 0.0 47.8

125 12.2 0.0 29.2



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: 1.723 ng/ul

RT: 22.90 min Scan# 5264

Delta R.T. -0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

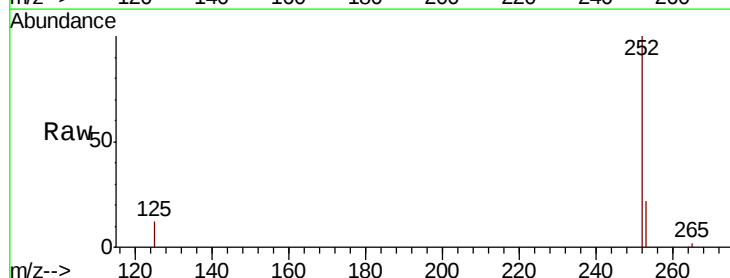
Tgt Ion:252 Resp: 82796

Ion Ratio Lower Upper

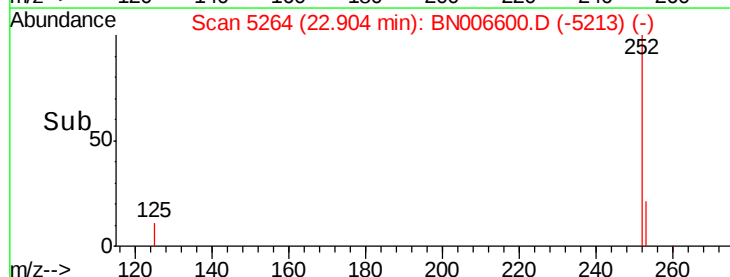
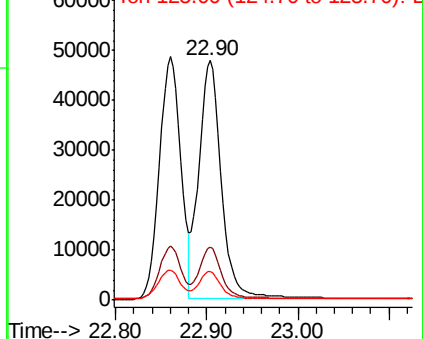
252 100

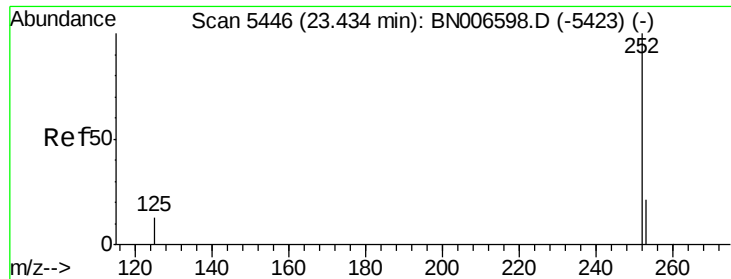
253 21.8 19.2 28.8

125 11.9 11.0 16.6



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: 1.663 ng/ul

RT: 23.43 min Scan# 5445

Delta R.T. -0.00 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

Instrument :

BNA_N

ClientSampleId :

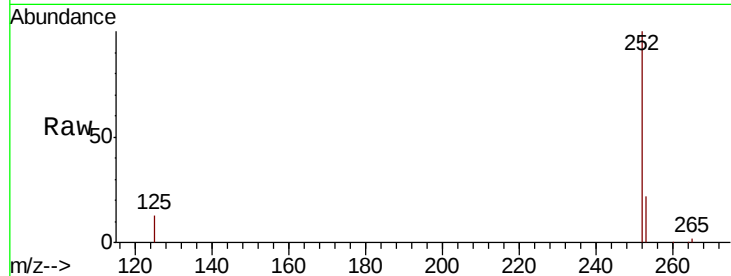
Tot Ion:252 Resp: 76393

Ion Ratio Lower Upper

252 100

253 22.0 19.4 29.2

125 13.4 12.6 19.0

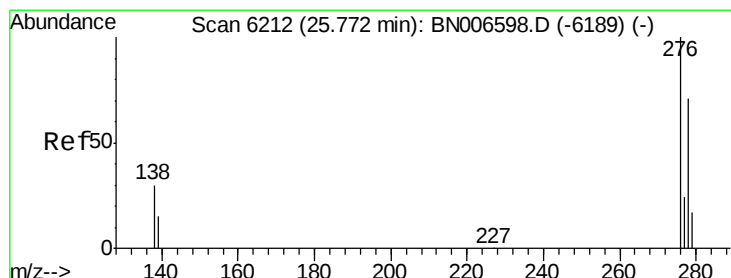
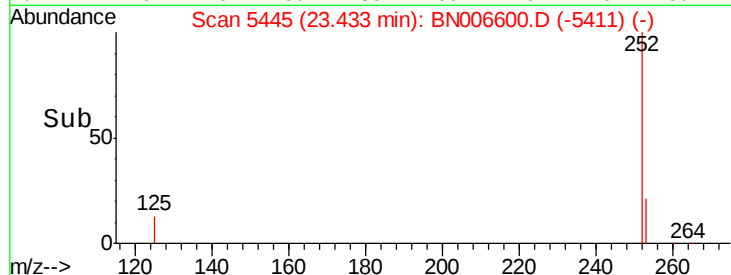
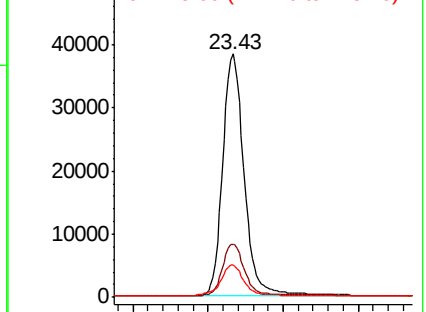


Abundance

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: 1.590 ng/ul

RT: 25.77 min Scan# 6210

Delta R.T. -0.01 min

Lab File: BN006600.D

Acq: 27 Jun 2019 13:29

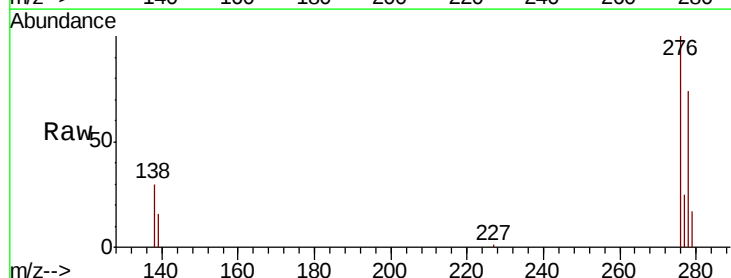
Tgt Ion:276 Resp: 79082

Ion Ratio Lower Upper

276 100

138 30.2 24.3 36.5

227 0.2 0.2 0.4

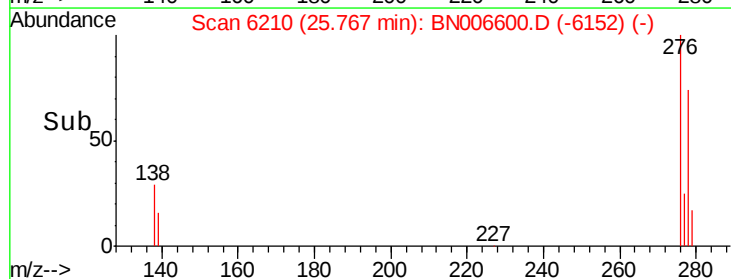
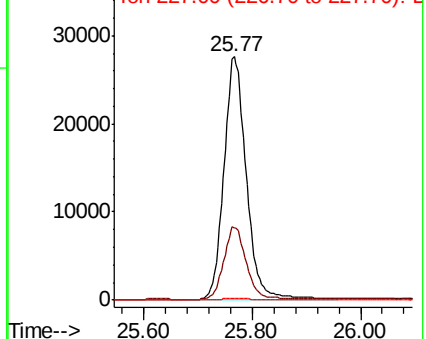


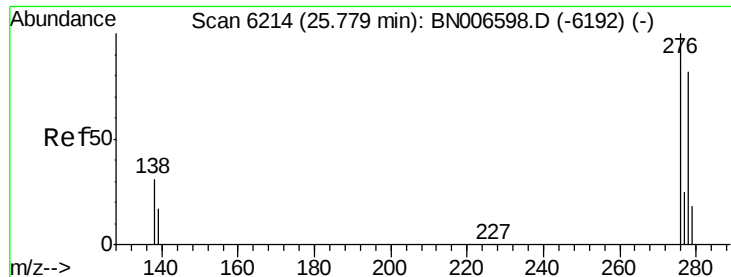
Abundance

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

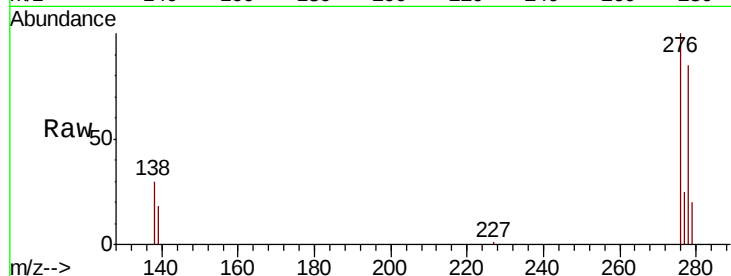




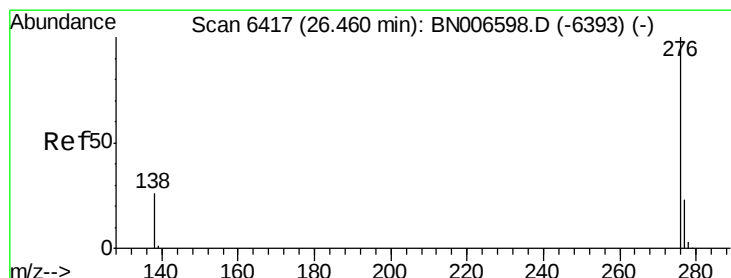
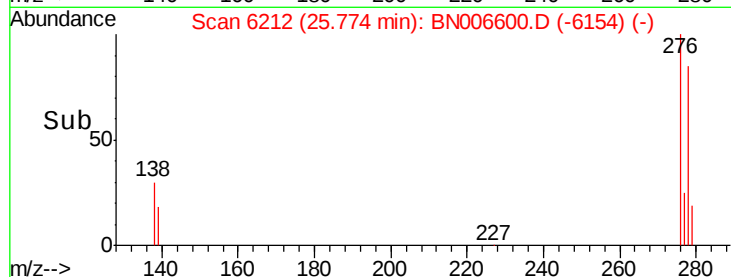
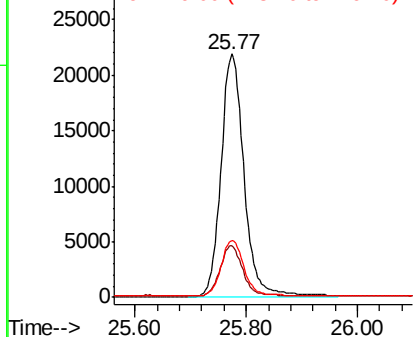
#25
Dibenzo(a,h)anthracene
Concen: 1.587 ng/ul
RT: 25.77 min Scan# 6212
Delta R.T. -0.01 min
Lab File: BN006600.D
Acq: 27 Jun 2019 13:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 63073
Ion Ratio Lower Upper
278 100
139 21.3 18.1 27.1
279 23.5 19.8 29.6

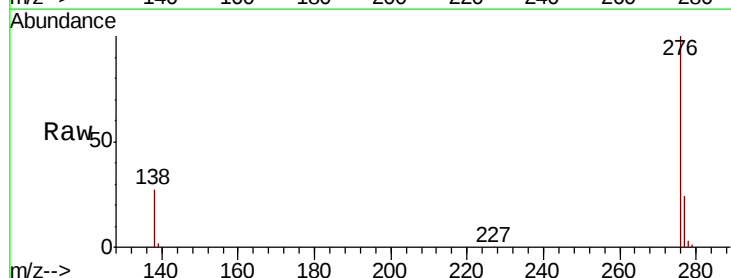


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 1.564 ng/ul
RT: 26.45 min Scan# 6415
Delta R.T. -0.01 min
Lab File: BN006600.D
Acq: 27 Jun 2019 13:29

Tgt Ion:276 Resp: 65159
Ion Ratio Lower Upper
276 100
138 27.0 22.2 33.2
277 23.6 19.5 29.3



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

