

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
 Data File : BN006181.D
 Acq On : 07 Jun 2019 23:22
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.401

Quant Time: Jun 08 02:04:44 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 : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	6058	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	22884	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10515	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	20376	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	16860	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	18639	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	12443	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	21905	0.40	ng/ul	0.00

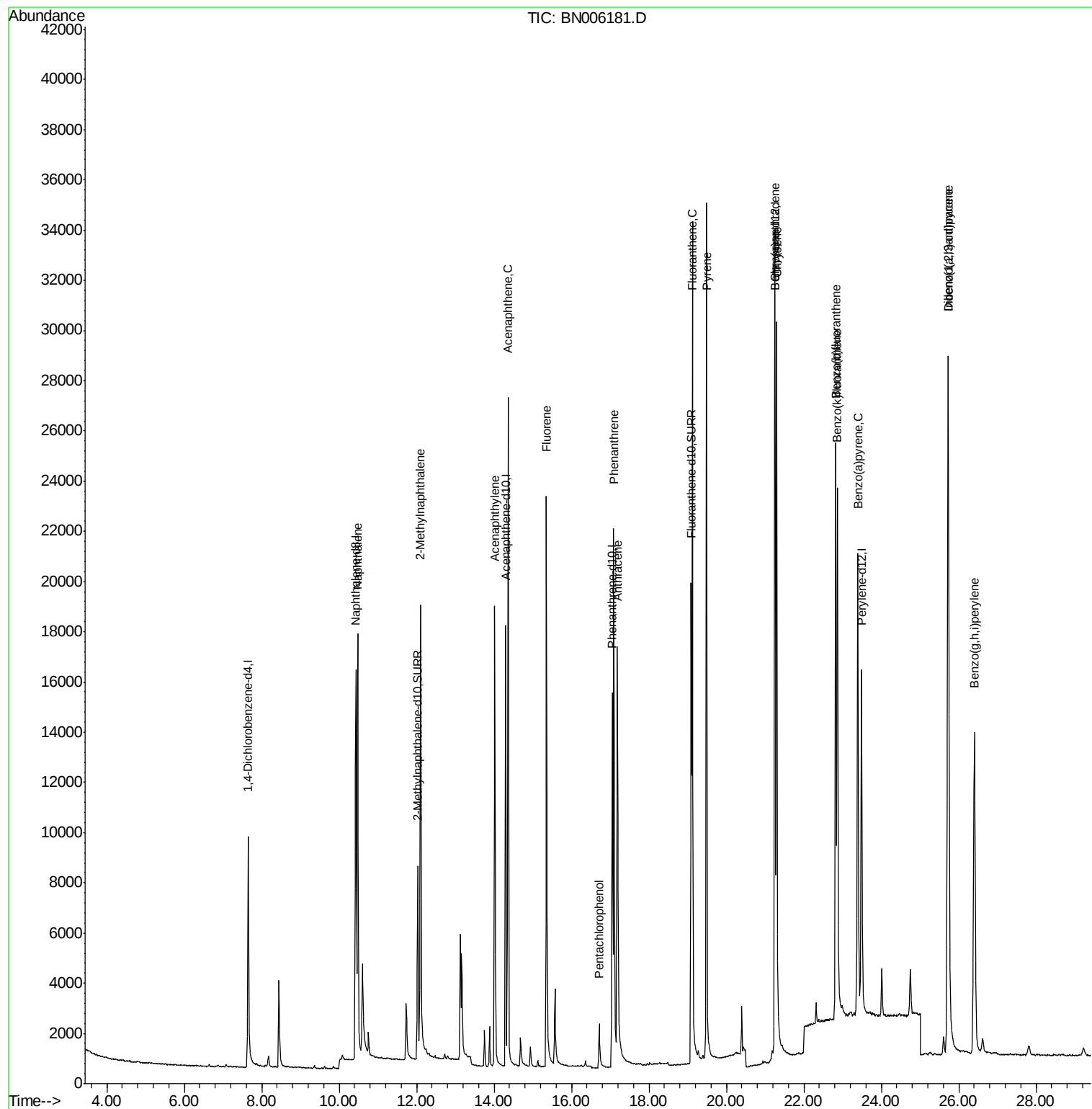
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.48	128	24628	0.390	ng/ul	100
5) 2-Methylnaphthalene	12.10	142	15716	0.357	ng/ul	99
7) Acenaphthylene	14.01	152	22571	0.386	ng/ul	99
8) Acenaphthene	14.36	153	16003	0.395	ng/ul	100
9) Fluorene	15.35	166	16538	0.349	ng/ul	96
11) Pentachlorophenol	16.71	266	1871	0.361	ng/ul	99
12) Phenanthrene	17.09	178	24541	0.375	ng/ul	99
13) Anthracene	17.18	178	22407	0.359	ng/ul	99
15) Fluoranthene	19.12	202	29029	0.402	ng/ul	96
17) Pyrene	19.49	202	30307	0.341	ng/ul	100
18) Benzo(a)anthracene	21.24	228	26493	0.355	ng/ul	99
19) Chrysene	21.30	228	29904	0.427	ng/ul	99
21) Benzo(b)fluoranthene	22.82	252	27703	0.356	ng/ul	97
22) Benzo(k)fluoranthene	22.86	252	29498	0.390	ng/ul	95
23) Benzo(a)pyrene	23.39	252	28310	0.391	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.72	276	32521	0.415	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.73	278	25915	0.414	ng/ul	94
26) Benzo(g,h,i)perylene	26.40	276	27568	0.420	ng/ul	95

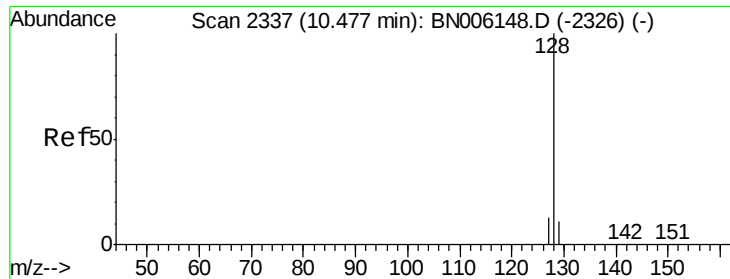
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.390 ng/ul

RT: 10.48 min Scan# 2337

Delta R.T. 0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.401

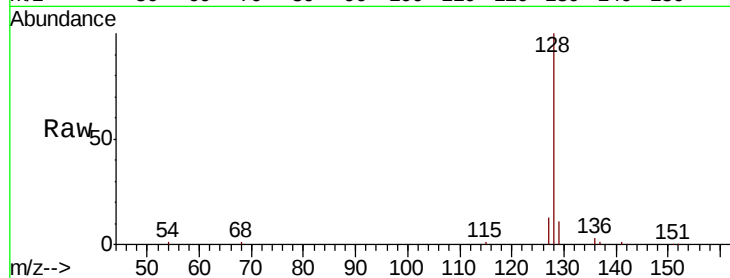
Tgt Ion:128 Resp: 24628

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

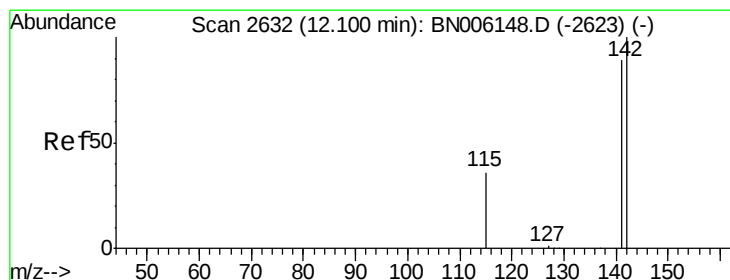
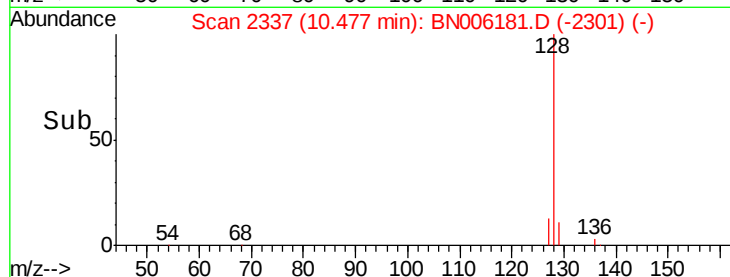
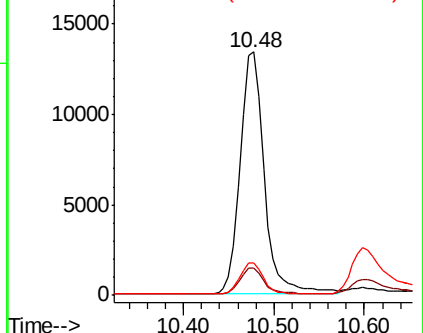
127 13.3 10.7 16.1



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: 0.357 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. 0.00 min

Lab File: BN006181.D

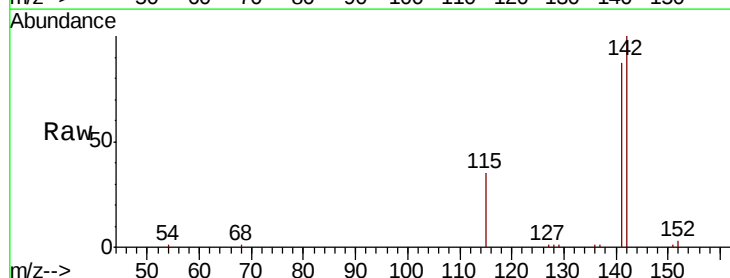
Acq: 07 Jun 2019 23:22

Tgt Ion:142 Resp: 15716

Ion Ratio Lower Upper

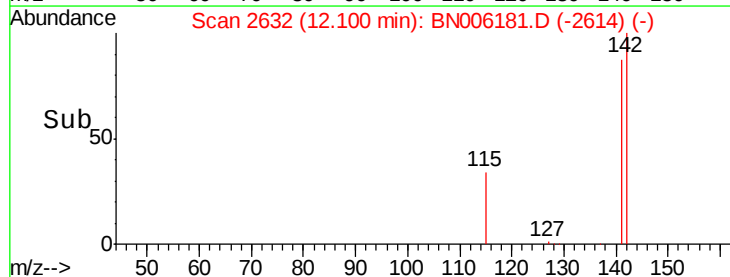
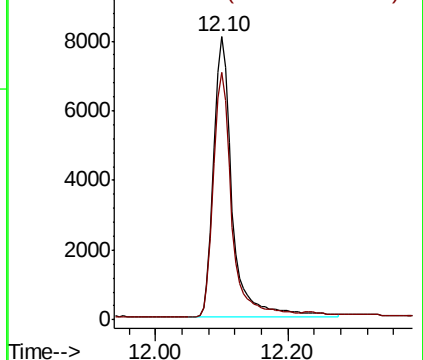
142 100

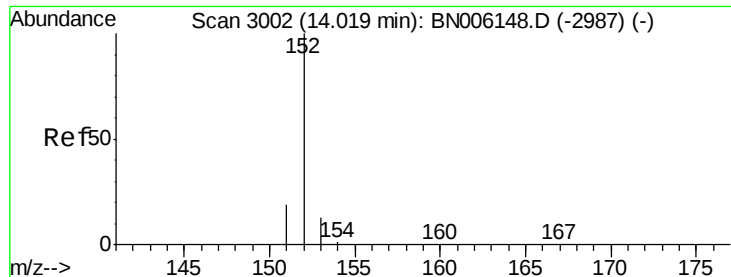
141 89.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.386 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.401

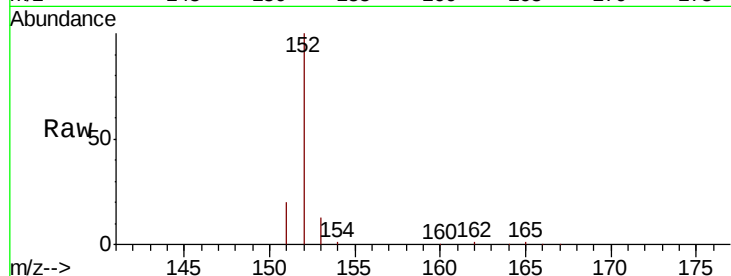
Tgt Ion:152 Resp: 22571

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

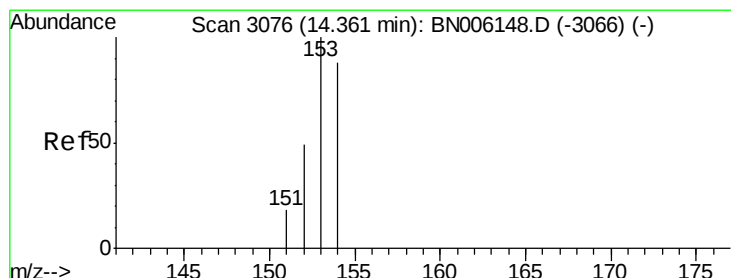
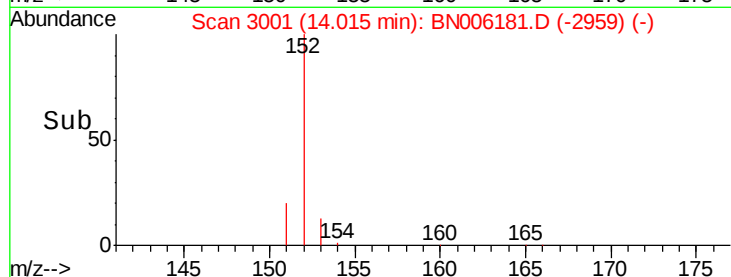
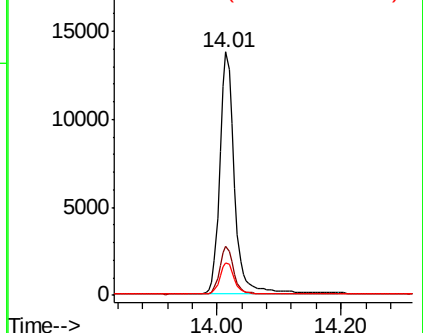
153 13.3 10.8 16.2



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: 0.395 ng/ul

RT: 14.36 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

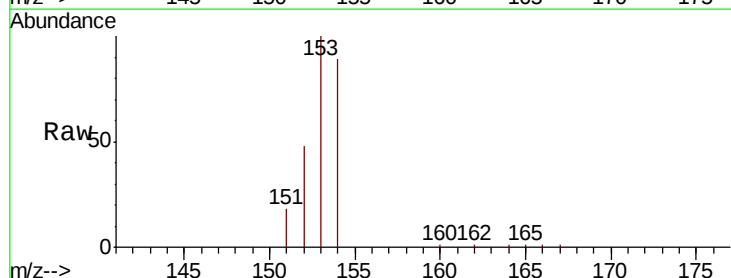
Tgt Ion:153 Resp: 16003

Ion Ratio Lower Upper

153 100

152 48.5 39.1 58.7

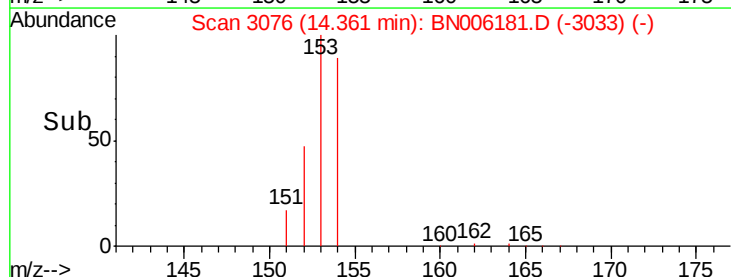
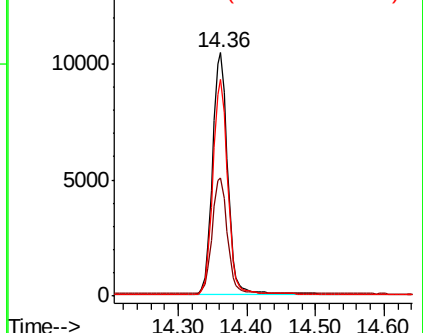
154 89.2 71.1 106.7

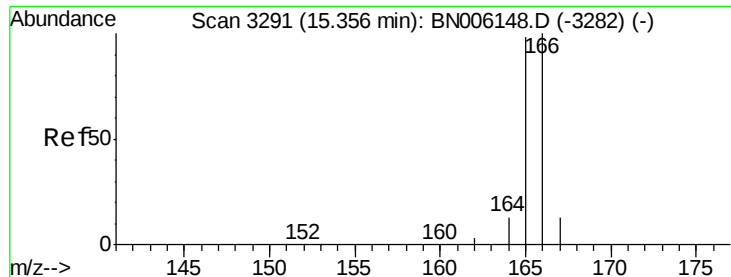


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.349 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

Instrument :

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SSTD0.401

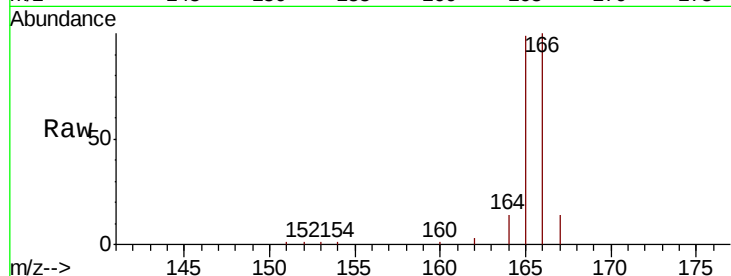
Tgt Ion:166 Resp: 16538

Ion Ratio Lower Upper

166 100

165 99.5 76.4 114.6

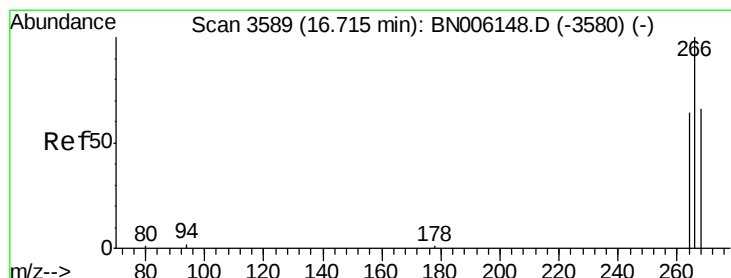
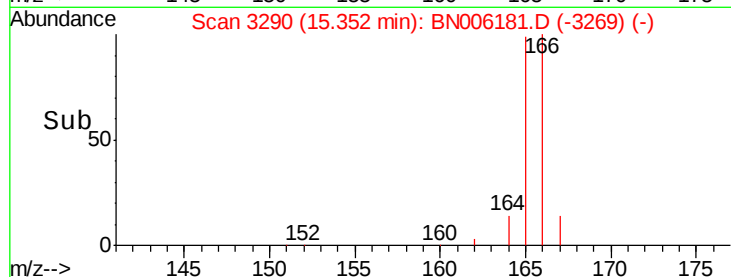
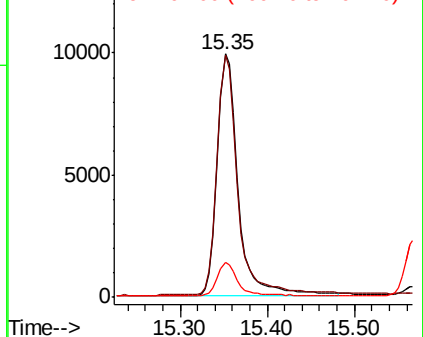
167 14.1 11.0 16.6



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: 0.361 ng/ul

RT: 16.71 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

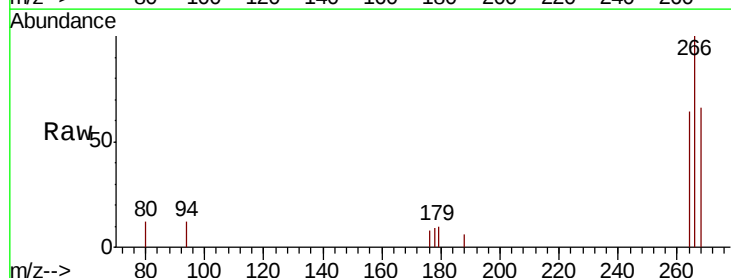
Tgt Ion:266 Resp: 1871

Ion Ratio Lower Upper

266 100

264 62.5 50.3 75.5

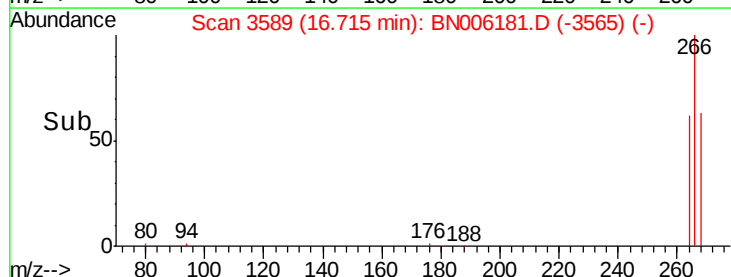
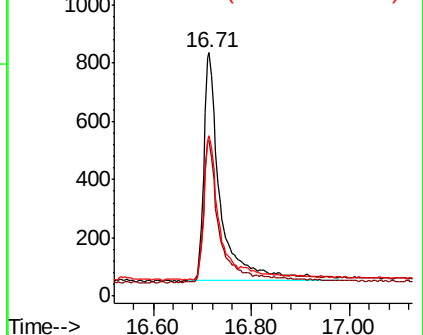
268 64.7 51.3 76.9

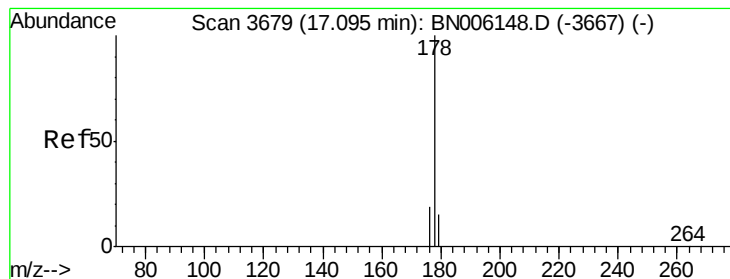


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.375 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

Instrument :

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SSTD0.401

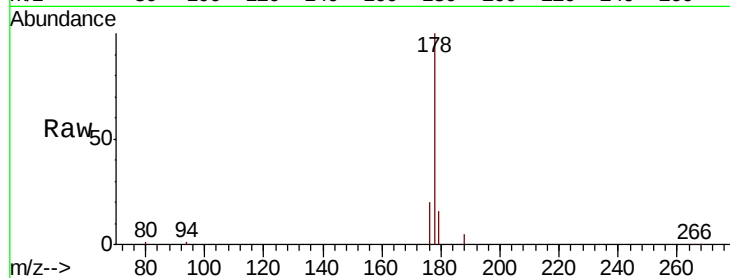
Tgt Ion:178 Resp: 24541

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 19.7 15.3 22.9

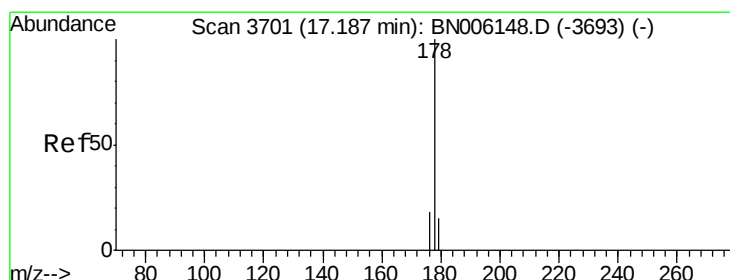
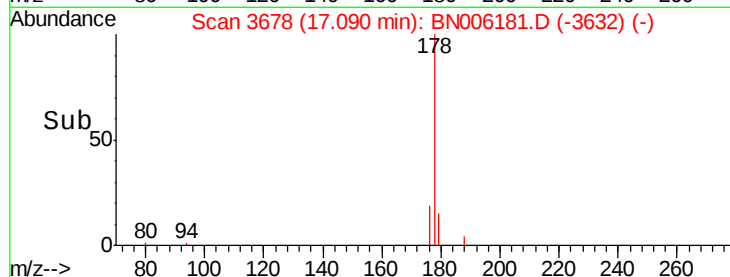
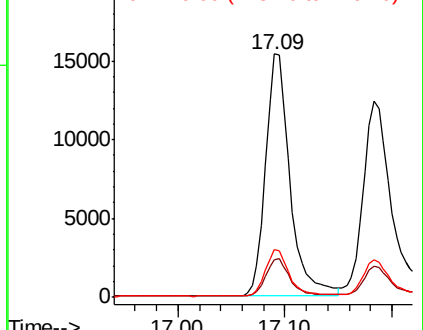


Abundance

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: 0.359 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

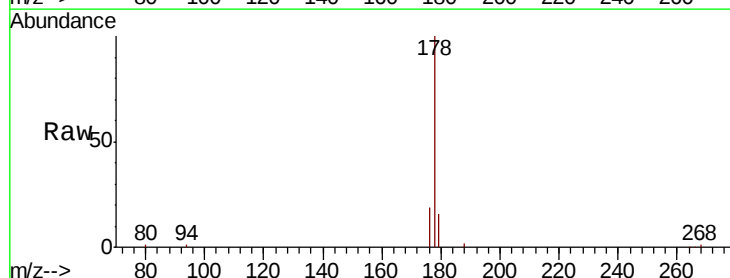
Tgt Ion:178 Resp: 22407

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

176 19.0 15.1 22.7

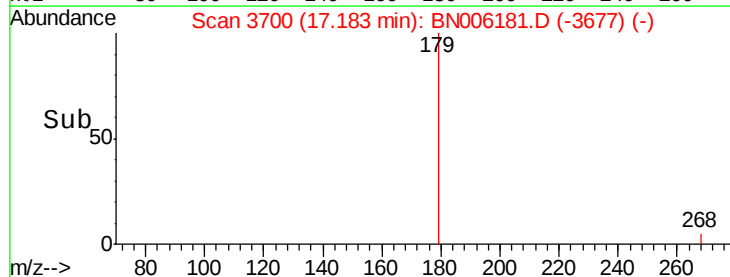
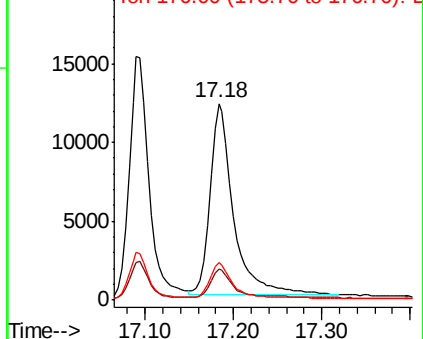


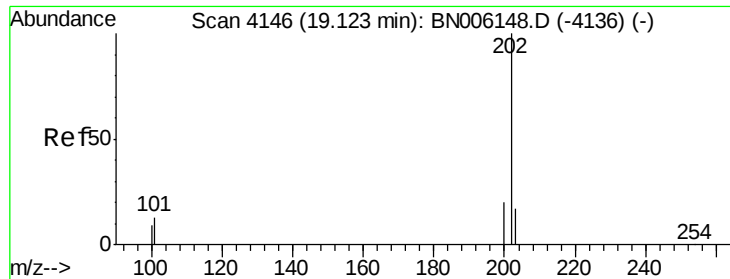
Abundance

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: 0.402 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

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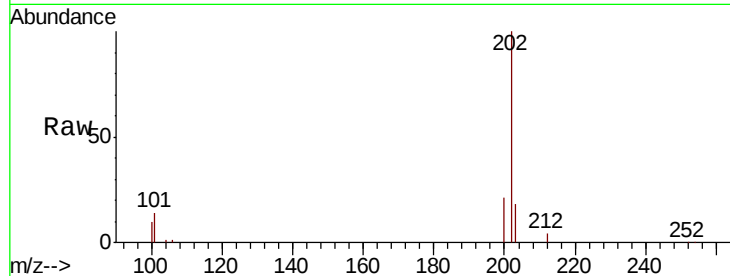
Tgt Ion:202 Resp: 29029

Ion Ratio Lower Upper

202 100

101 13.6 0.0 32.1

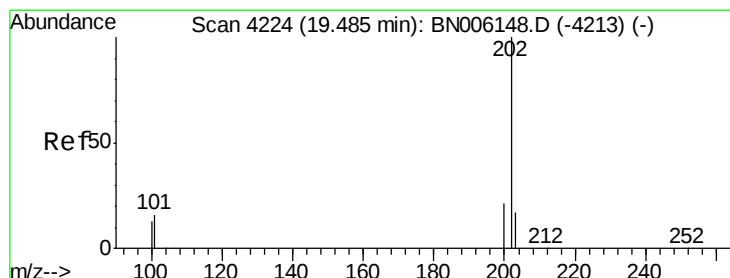
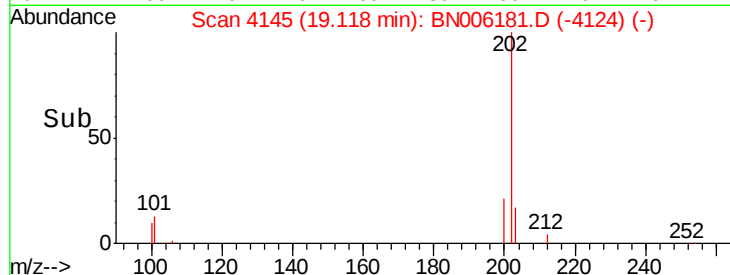
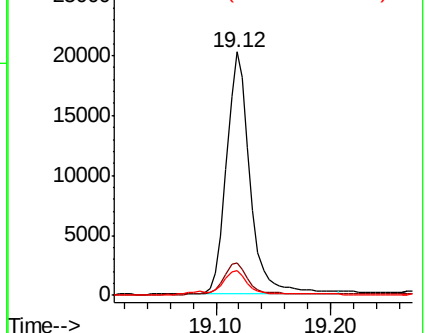
100 10.0 0.0 28.7



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: 0.341 ng/ul

RT: 19.49 min Scan# 4224

Delta R.T. 0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

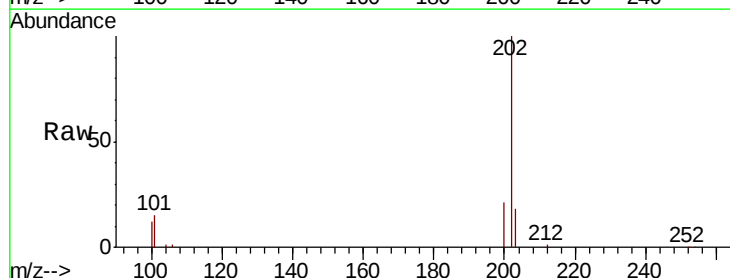
Tgt Ion:202 Resp: 30307

Ion Ratio Lower Upper

202 100

101 15.2 12.2 18.2

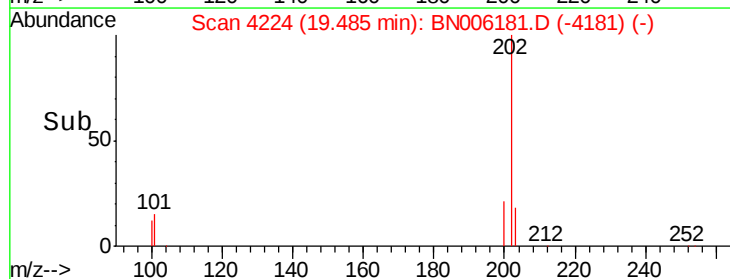
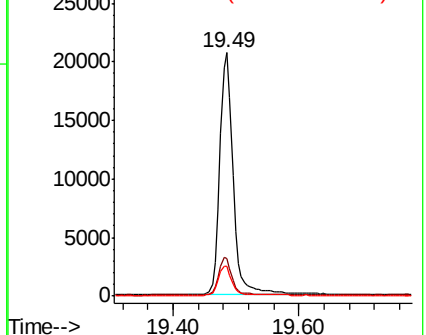
100 12.0 9.8 14.6

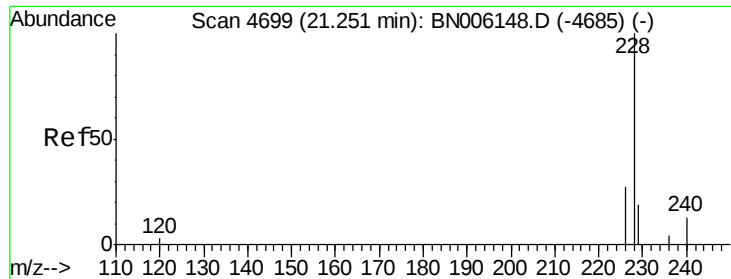


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.24 min Scan# 4697

Delta R.T. -0.01 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

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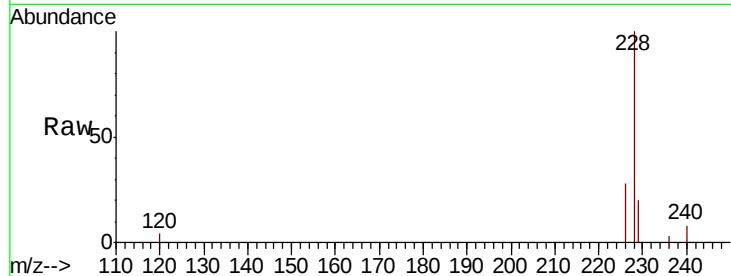
Tgt Ion:228 Resp: 26493

Ion Ratio Lower Upper

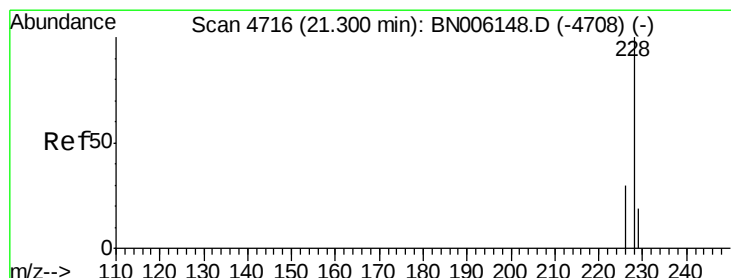
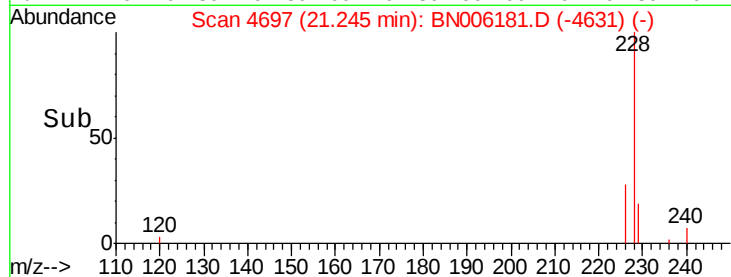
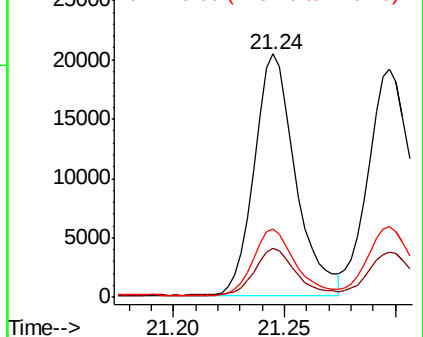
228 100

229 19.9 16.5 24.7

226 28.0 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: 0.427 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.00 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

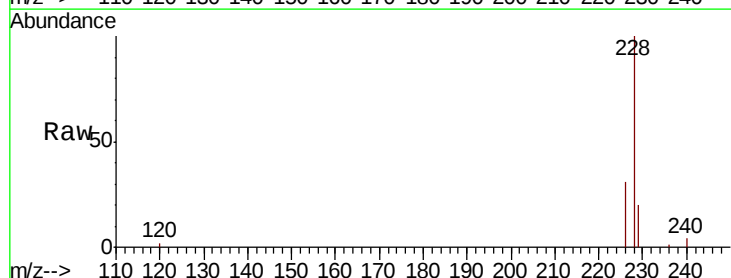
Tgt Ion:228 Resp: 29904

Ion Ratio Lower Upper

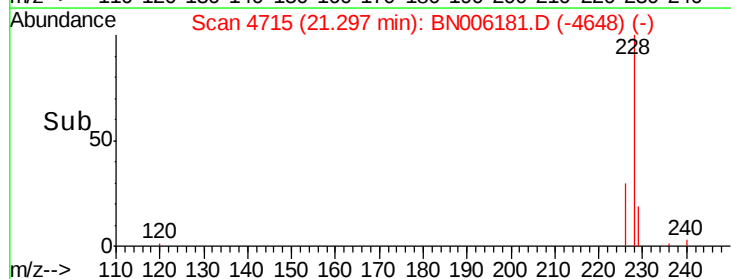
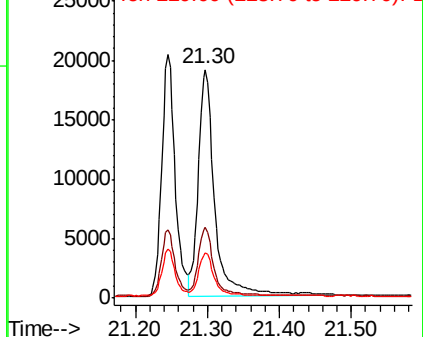
228 100

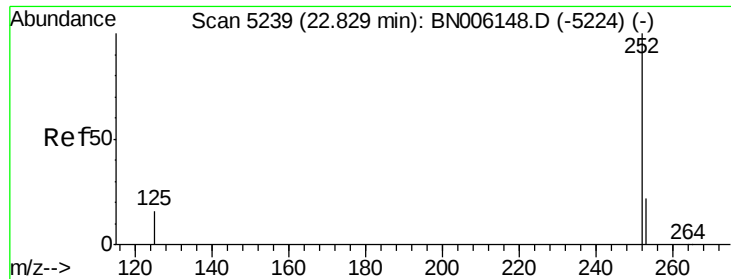
226 30.7 25.0 37.6

229 19.7 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: 0.356 ng/ul

RT: 22.82 min Scan# 5237

Delta R.T. -0.01 min

Lab File: BN006181.D

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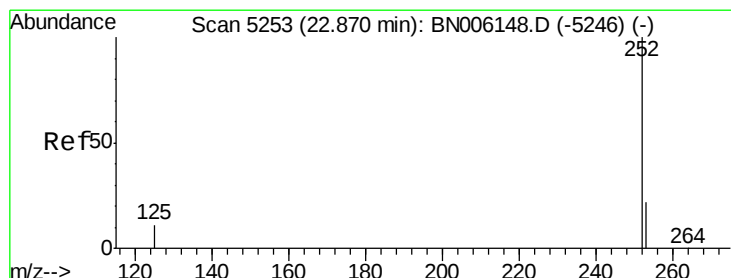
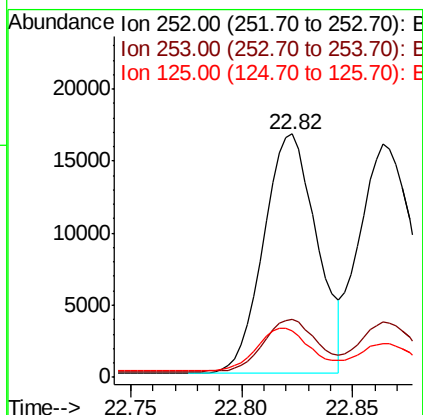
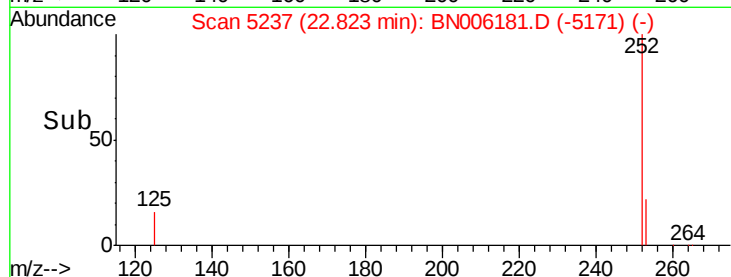
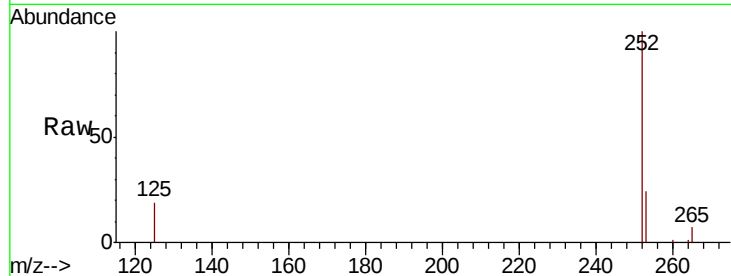
Tgt Ion:252 Resp: 27703

Ion Ratio Lower Upper

252 100

253 24.0 0.0 51.4

125 18.9 0.0 41.0



#22

Benzo(k)fluoranthene

Concen: 0.390 ng/ul

RT: 22.86 min Scan# 5251

Delta R.T. -0.01 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

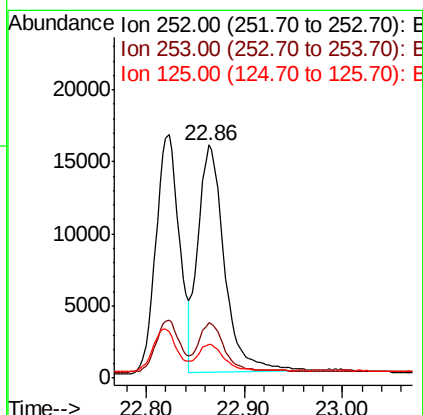
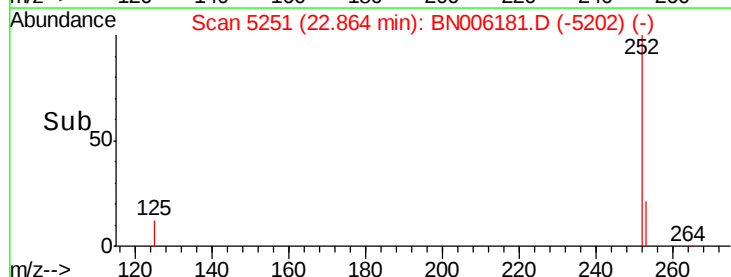
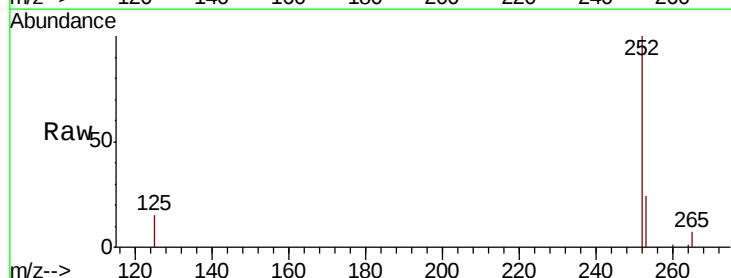
Tgt Ion:252 Resp: 29498

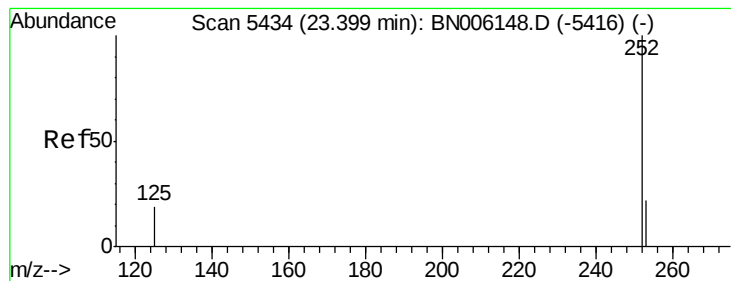
Ion Ratio Lower Upper

252 100

253 23.5 20.3 30.5

125 14.5 14.3 21.5





#23

Benzo(a)pyrene

Concen: 0.391 ng/ul

RT: 23.39 min Scan# 5431

Delta R.T. -0.01 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

Instrument :

BNA_N

ClientSampleId :

SSTD0.401

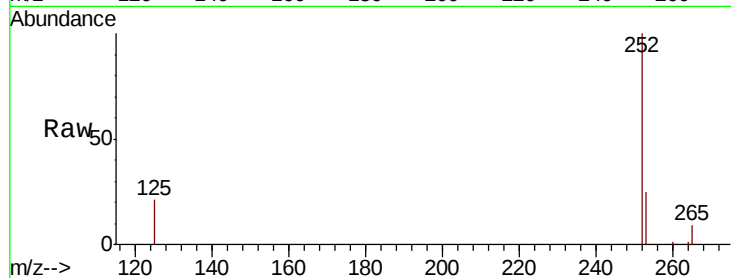
Tgt Ion:252 Resp: 28310

Ion Ratio Lower Upper

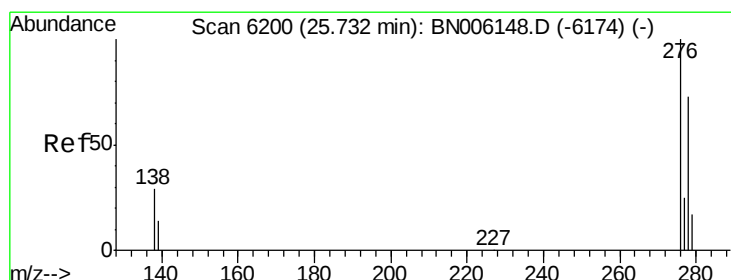
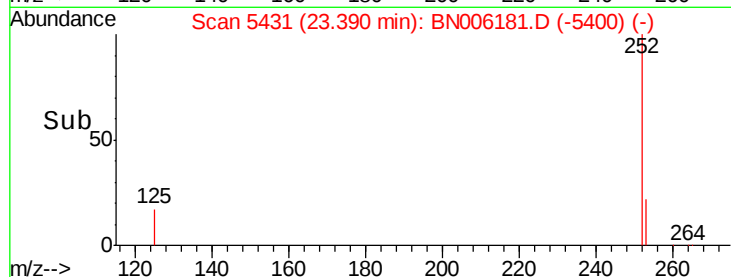
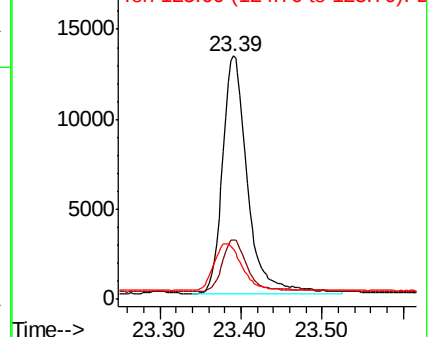
252 100

253 24.6 21.1 31.7

125 20.5 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: 0.415 ng/ul

RT: 25.72 min Scan# 6197

Delta R.T. -0.01 min

Lab File: BN006181.D

Acq: 07 Jun 2019 23:22

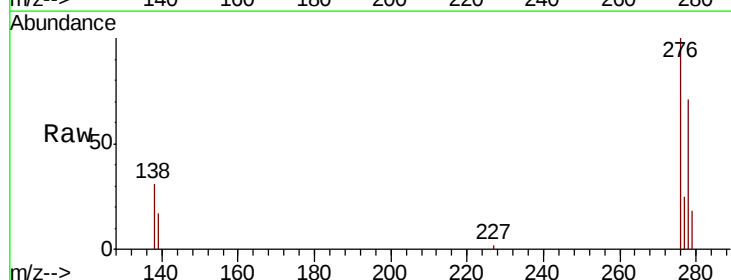
Tgt Ion:276 Resp: 32521

Ion Ratio Lower Upper

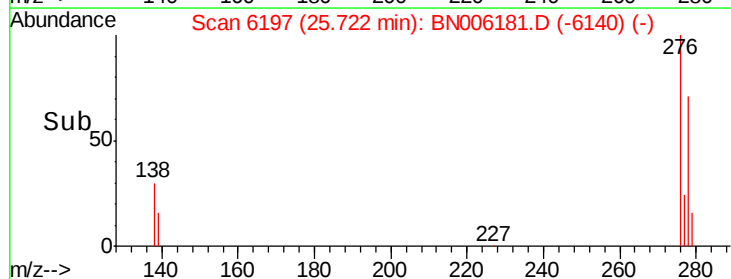
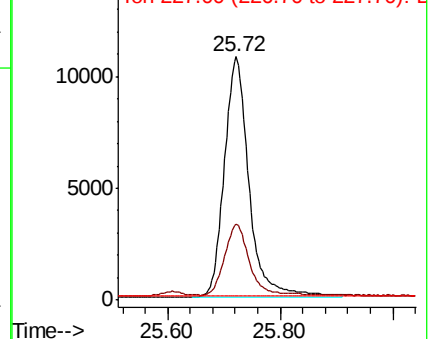
276 100

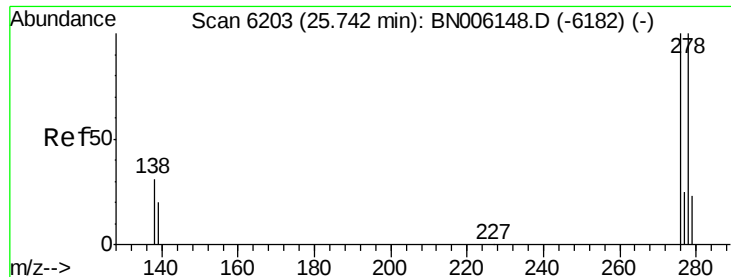
138 30.0 25.6 38.4

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

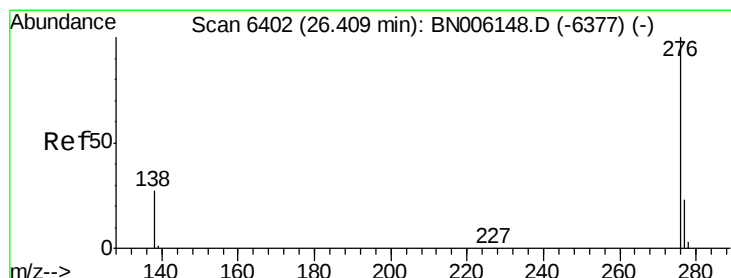
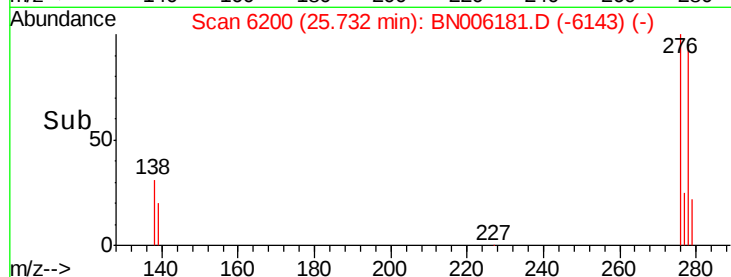
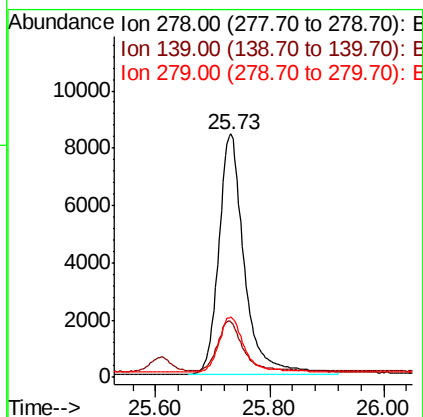
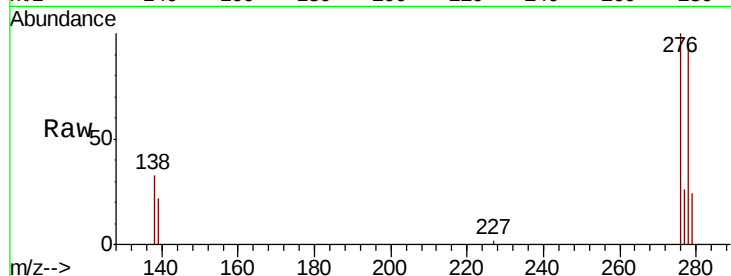




#25
Dibenzo(a,h)anthracene
Concen: 0.414 ng/ul
RT: 25.73 min Scan# 6200
Delta R.T. -0.01 min
Lab File: BN006181.D
Acq: 07 Jun 2019 23:22

Instrument :
BNA_N
ClientSampleId :
SSTD0.401

Tgt Ion: 278 Resp: 25915
Ion Ratio Lower Upper
278 100
139 22.9 21.2 31.8
279 25.1 22.6 33.8



#26
Benzo(g,h,i)perylene
Concen: 0.420 ng/ul
RT: 26.40 min Scan# 6400
Delta R.T. -0.01 min
Lab File: BN006181.D
Acq: 07 Jun 2019 23:22

Tgt Ion: 276 Resp: 27568
Ion Ratio Lower Upper
276 100
138 27.5 24.2 36.4
277 24.8 21.5 32.3

