

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006535.D
 Acq On : 24 Jun 2019 17:37
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.431

Quant Time: Jun 25 00:44:19 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	7.63	152	3940	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	15515	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	7934	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	15650	0.40	ng/ul	-0.01
16) Chrysene-d12	21.27	240	8766	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	8995	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	9465	0.40	ng/ul	-0.02
14) Fluoranthene-d10	19.08	212	15926	0.38	ng/ul	0.00

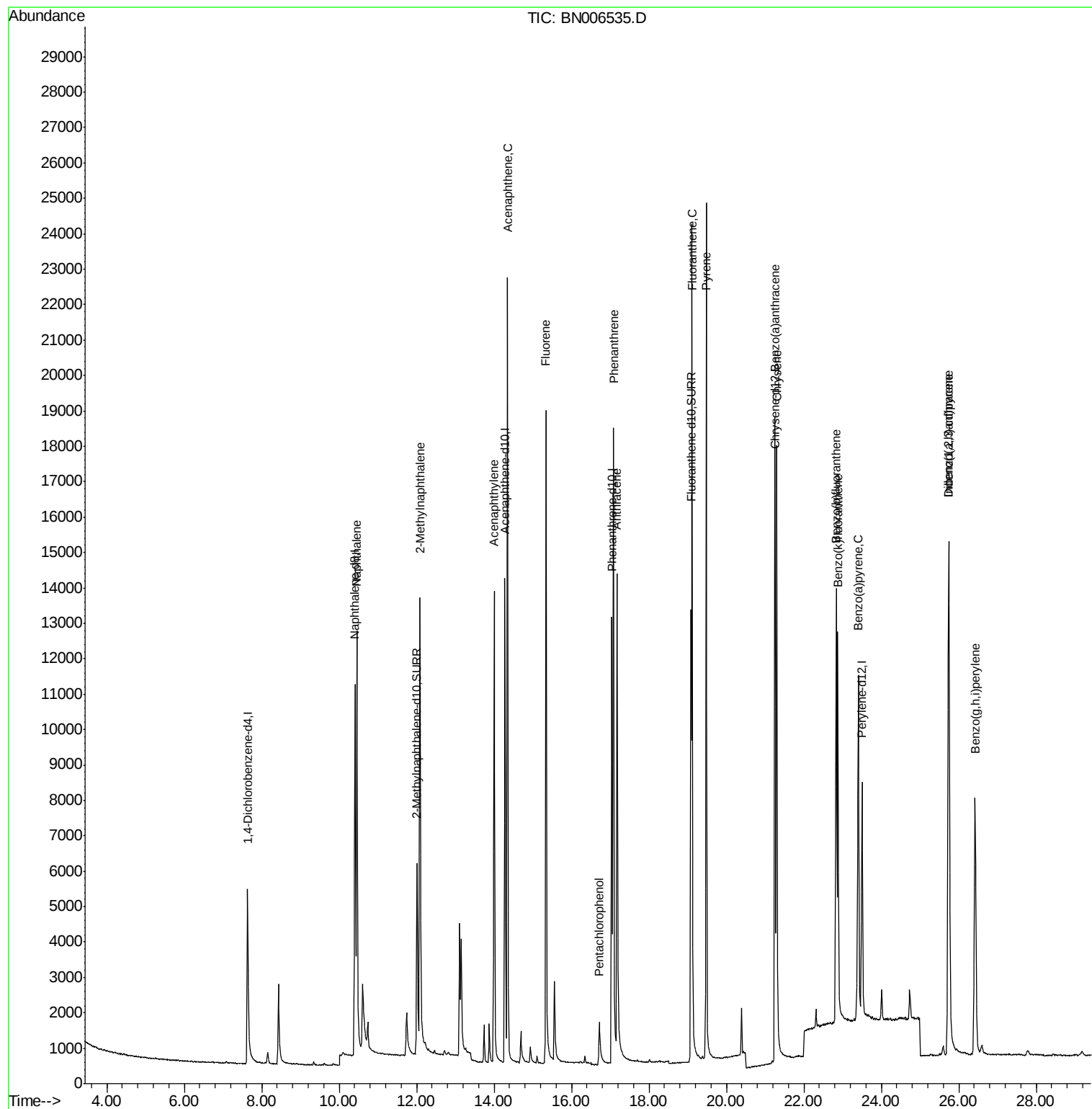
Target Compounds					Qvalue
3) Naphthalene	10.46	128	18124	0.423	ng/ul 100
5) 2-Methylnaphthalene	12.08	142	12017	0.403	ng/ul 98
7) Acenaphthylene	14.00	152	17255	0.391	ng/ul 100
8) Acenaphthene	14.34	153	12990	0.425	ng/ul 99
9) Fluorene	15.34	166	13607	0.380	ng/ul 97
11) Pentachlorophenol	16.72	266	1784	0.449	ng/ul 99
12) Phenanthrene	17.08	178	20649	0.411	ng/ul 99
13) Anthracene	17.17	178	18035	0.376	ng/ul 99
15) Fluoranthene	19.11	202	21229	0.383	ng/ul 97
17) Pyrene	19.48	202	21560	0.467	ng/ul 97
18) Benzo(a)anthracene	21.25	228	15234	0.393	ng/ul 99
19) Chrysene	21.30	228	16904	0.464	ng/ul 99
21) Benzo(b)fluoranthene	22.83	252	15063	0.402	ng/ul 94
22) Benzo(k)fluoranthene	22.87	252	15555	0.426	ng/ul 96
23) Benzo(a)pyrene	23.40	252	14890	0.426	ng/ul# 91
24) Indeno(1,2,3-cd)pyrene	25.73	276	17164	0.454	ng/ul 98
25) Dibenzo(a,h)anthracene	25.74	278	13479	0.446	ng/ul 96
26) Benzo(g,h,i)perylene	26.42	276	14845	0.469	ng/ul 96

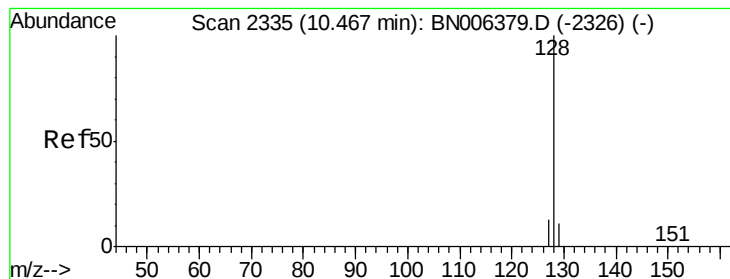
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.423 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. -0.02 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

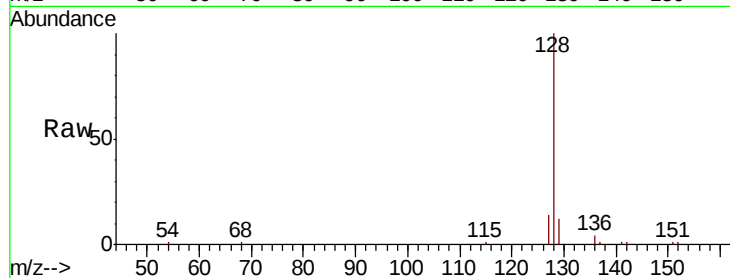
Tgt Ion:128 Resp: 18124

Ion Ratio Lower Upper

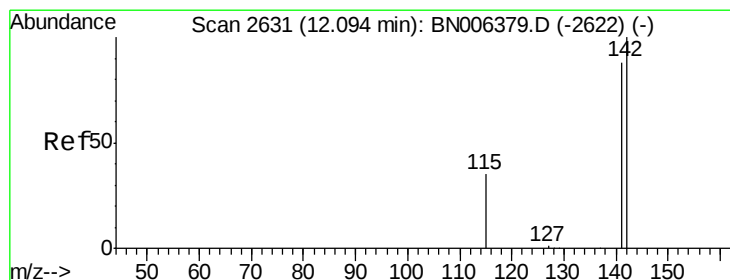
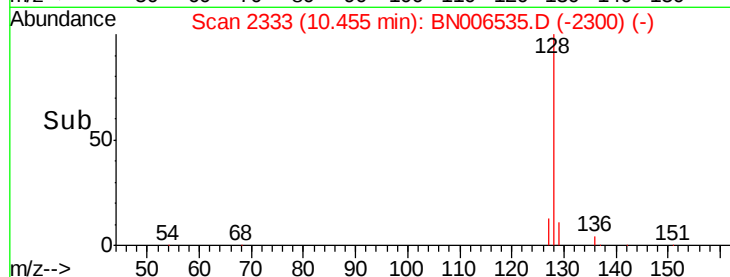
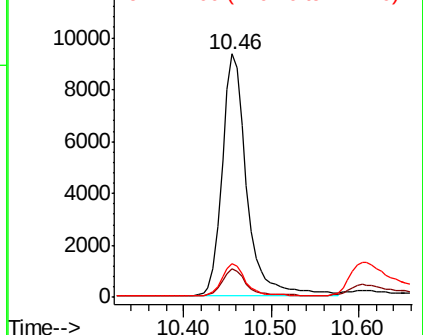
128 100

129 11.5 9.3 13.9

127 13.6 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: 0.403 ng/ul

RT: 12.08 min Scan# 2629

Delta R.T. -0.01 min

Lab File: BN006535.D

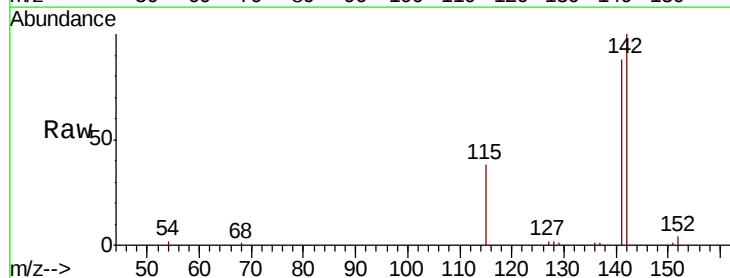
Acq: 24 Jun 2019 17:37

Tgt Ion:142 Resp: 12017

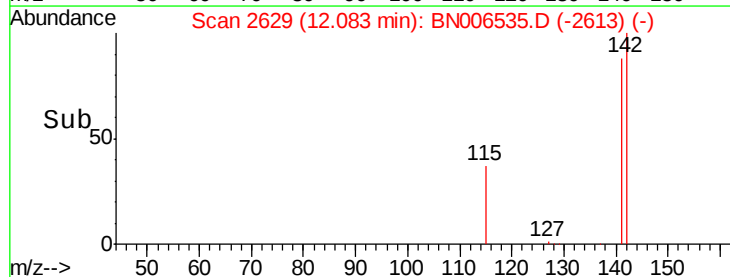
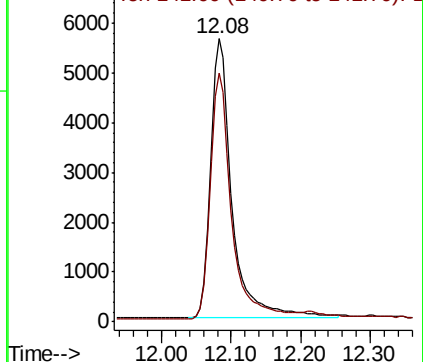
Ion Ratio Lower Upper

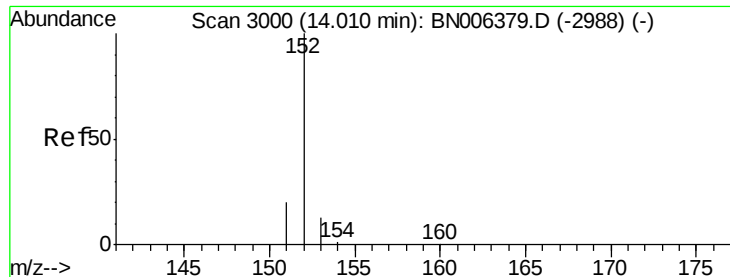
142 100

141 89.7 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: 0.391 ng/ul

RT: 14.00 min Scan# 2998

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

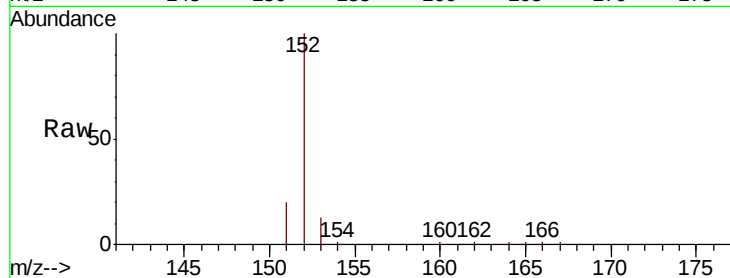
Tgt Ion:152 Resp: 17255

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

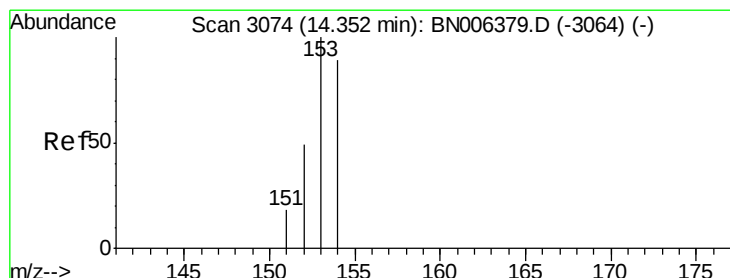
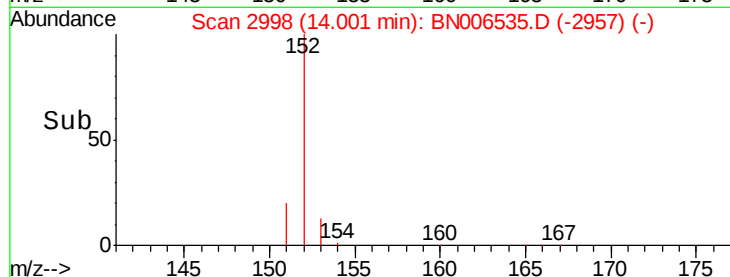
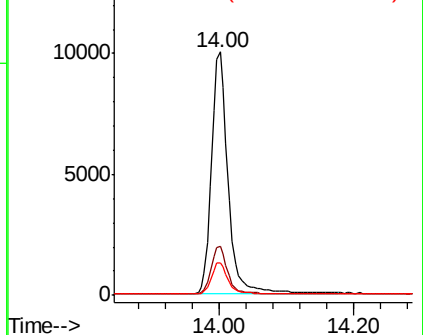
153 13.3 10.8 16.2



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: 0.425 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

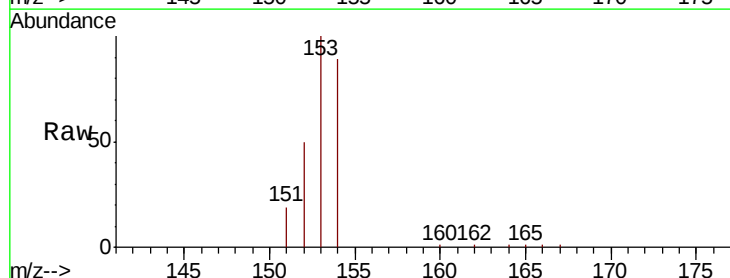
Tgt Ion:153 Resp: 12990

Ion Ratio Lower Upper

153 100

152 49.9 39.1 58.7

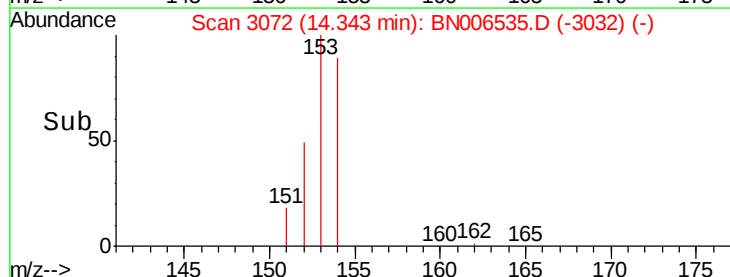
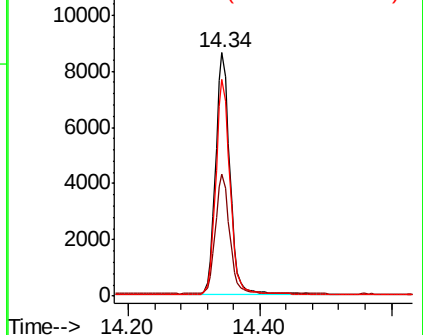
154 89.1 71.1 106.7

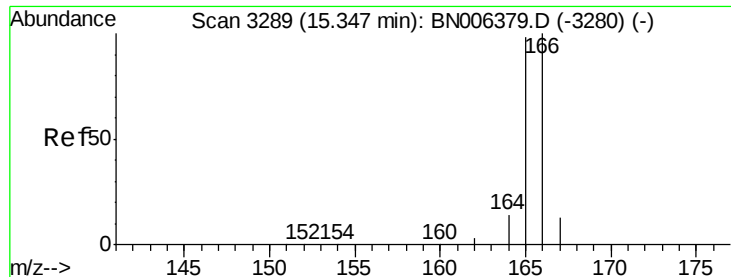


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.380 ng/ul

RT: 15.34 min Scan# 3287

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

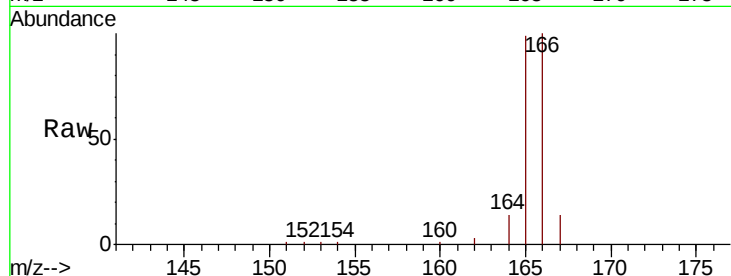
Tgt Ion:166 Resp: 13607

Ion Ratio Lower Upper

166 100

165 99.0 76.4 114.6

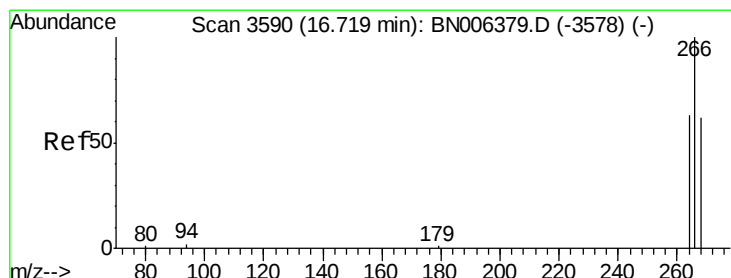
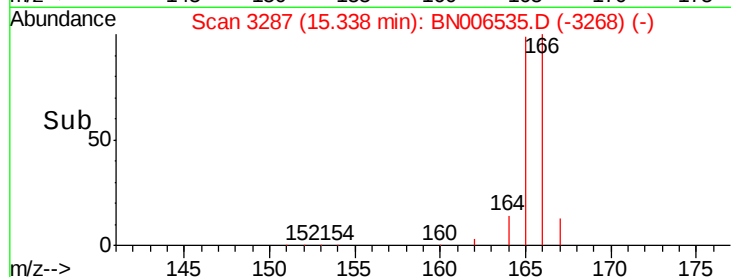
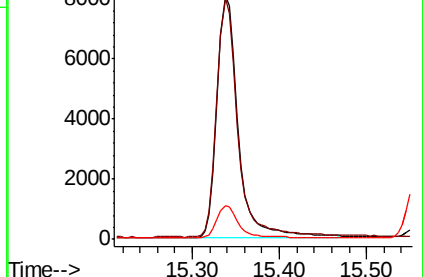
167 14.1 11.0 16.6



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: 0.449 ng/ul

RT: 16.72 min Scan# 3590

Delta R.T. -0.00 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

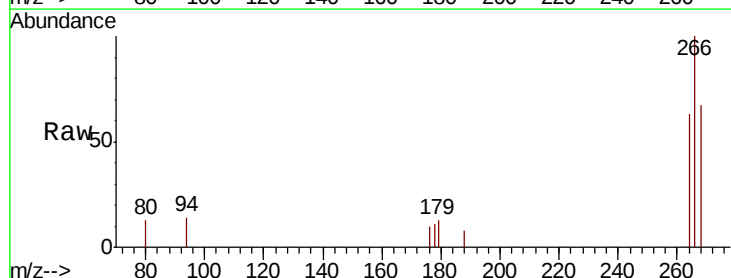
Tgt Ion:266 Resp: 1784

Ion Ratio Lower Upper

266 100

264 62.7 50.3 75.5

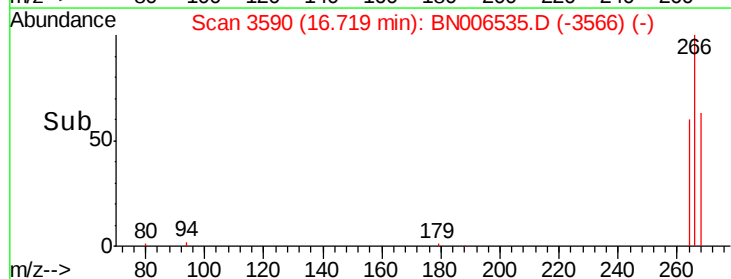
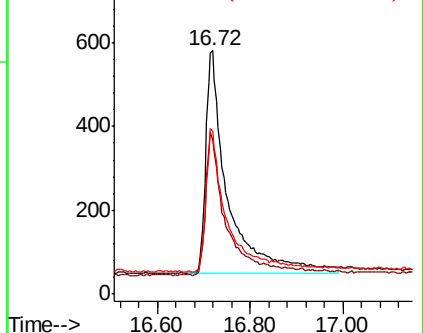
268 64.8 51.3 76.9

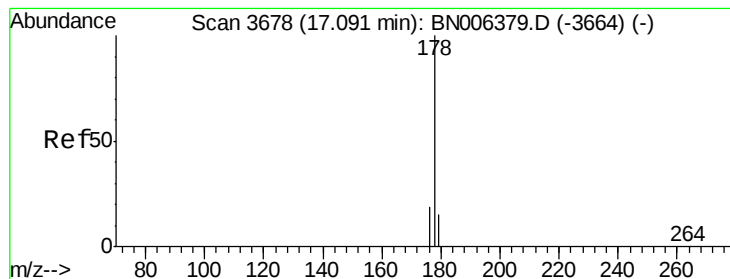


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.411 ng/ul

RT: 17.08 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

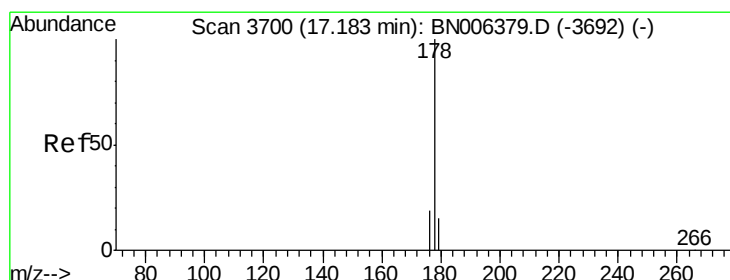
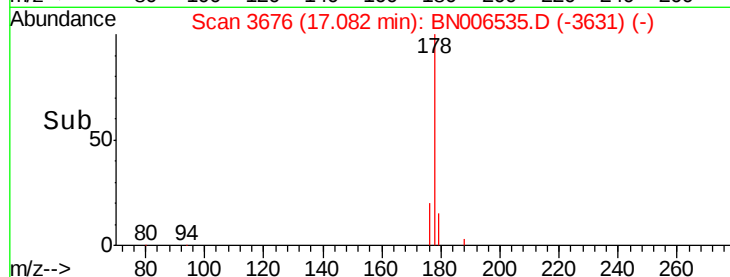
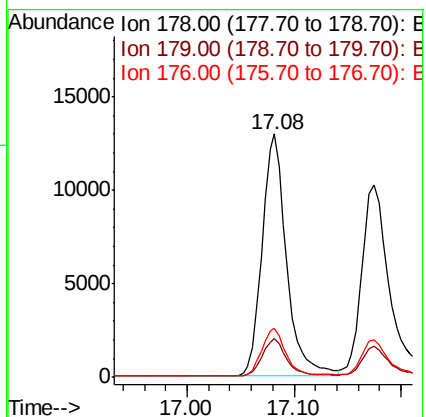
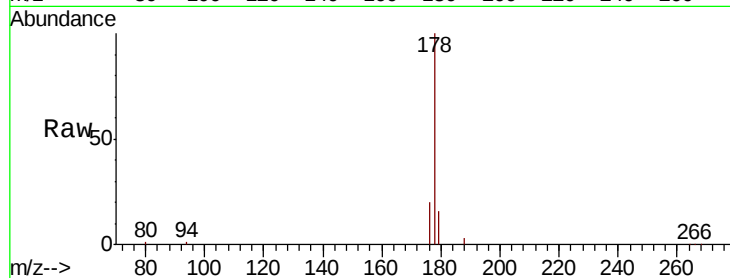
Tgt Ion:178 Resp: 20649

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 19.9 15.3 22.9



#13

Anthracene

Concen: 0.376 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

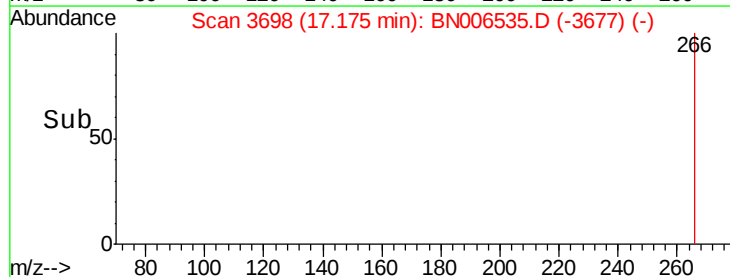
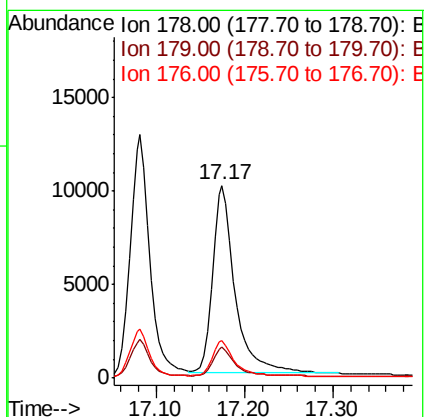
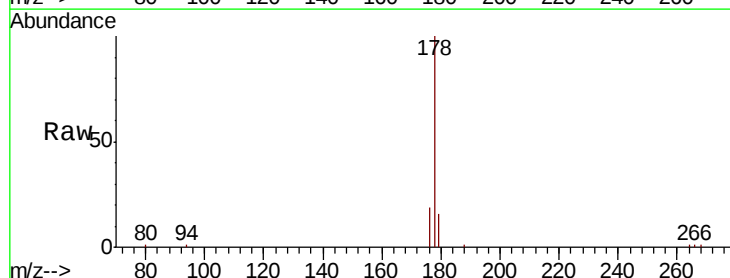
Tgt Ion:178 Resp: 18035

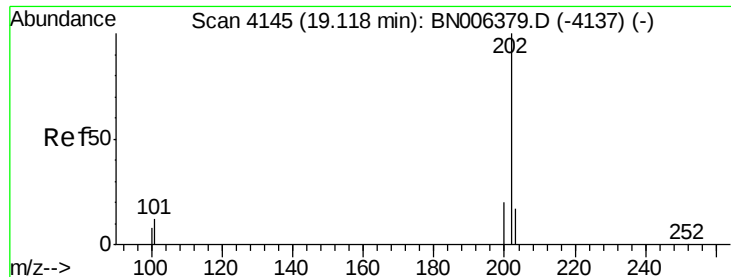
Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

176 19.2 15.1 22.7





#15

Fluoranthene

Concen: 0.383 ng/ul

RT: 19.11 min Scan# 4143

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

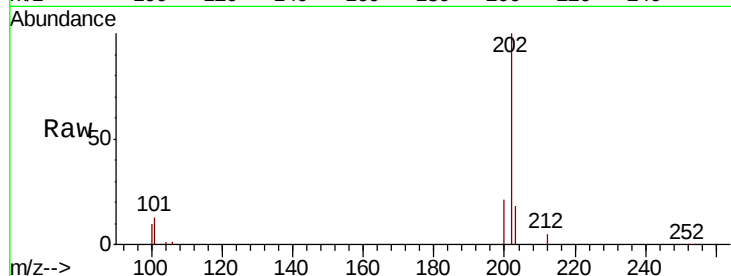
Tgt Ion:202 Resp: 21229

Ion Ratio Lower Upper

202 100

101 13.2 0.0 32.1

100 9.7 0.0 28.7

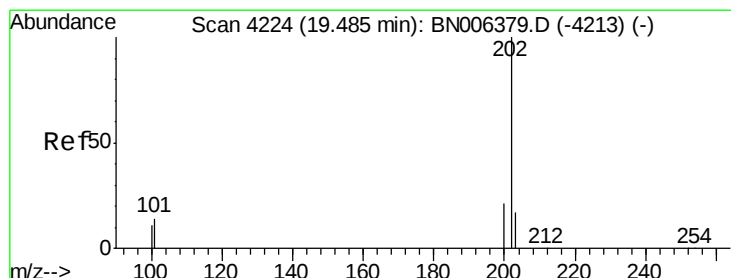
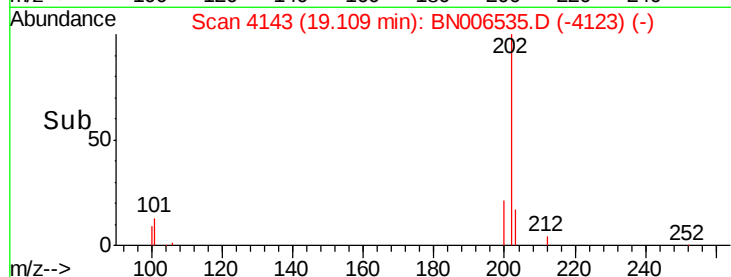
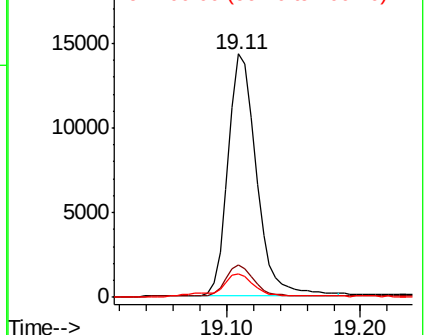


Abundance

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: 0.467 ng/ul

RT: 19.48 min Scan# 4223

Delta R.T. -0.00 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

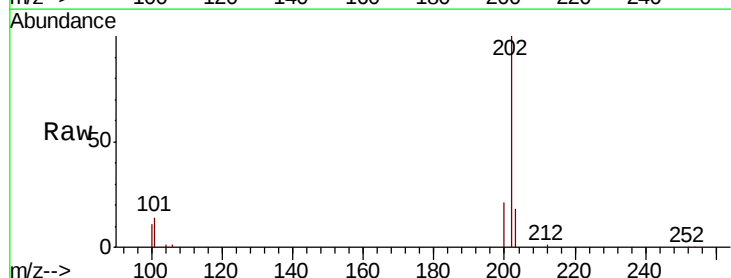
Tgt Ion:202 Resp: 21560

Ion Ratio Lower Upper

202 100

101 14.1 12.2 18.2

100 10.8 9.8 14.6

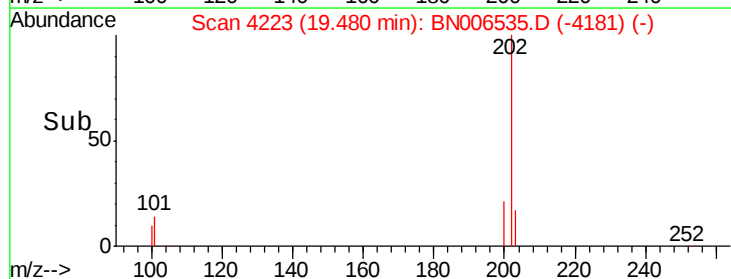
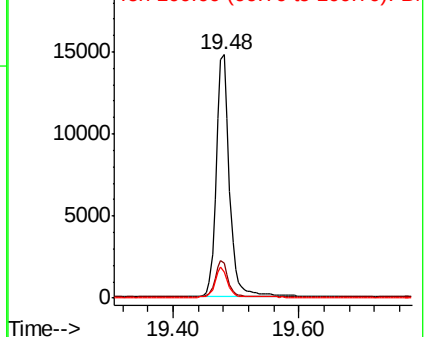


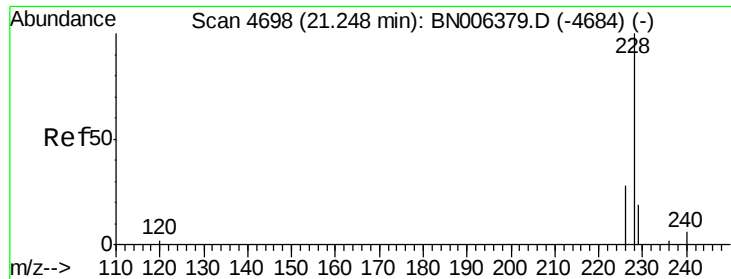
Abundance

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: 0.393 ng/ul

RT: 21.25 min Scan# 4698

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

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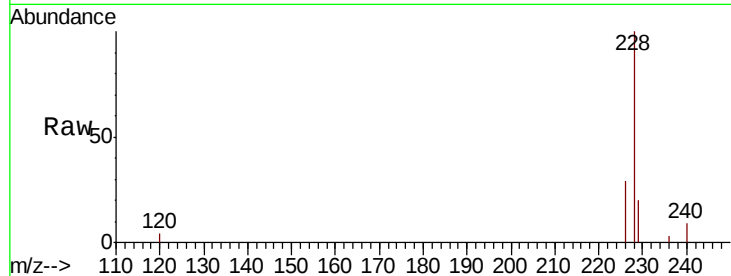
Tgt Ion:228 Resp: 15234

Ion Ratio Lower Upper

228 100

229 19.9 16.5 24.7

226 28.6 22.8 34.2

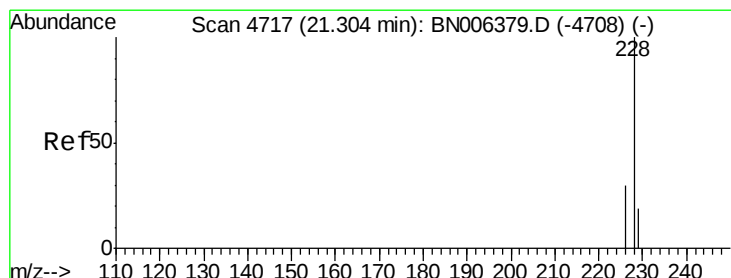
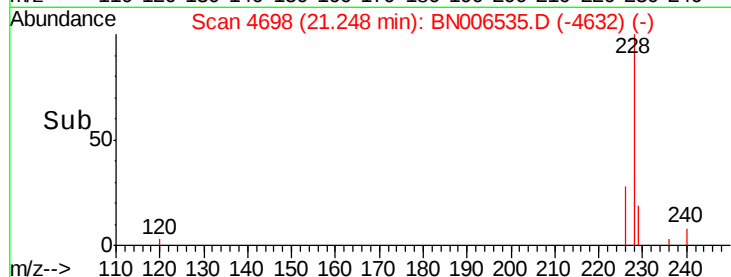
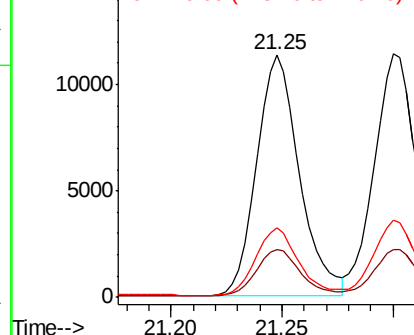


Abundance

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: 0.464 ng/ul

RT: 21.30 min Scan# 4716

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

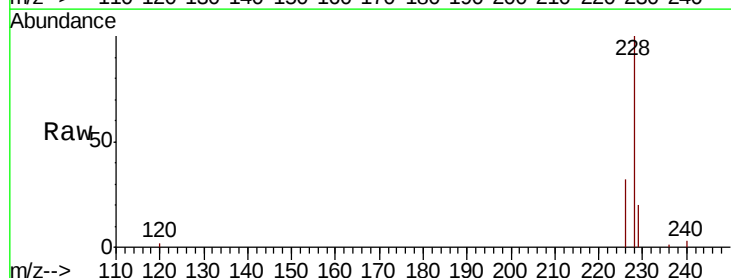
Tgt Ion:228 Resp: 16904

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

229 19.8 16.3 24.5

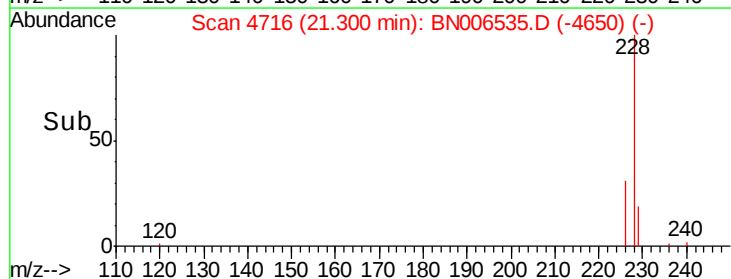
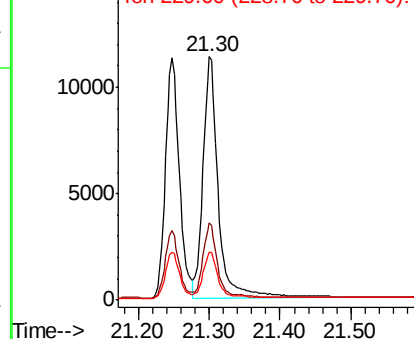


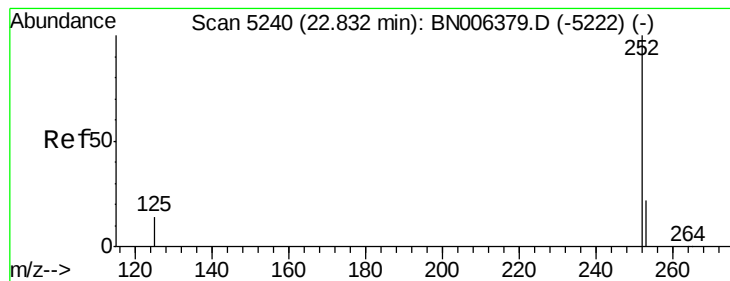
Abundance

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: 0.402 ng/ul

RT: 22.83 min Scan# 5240

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

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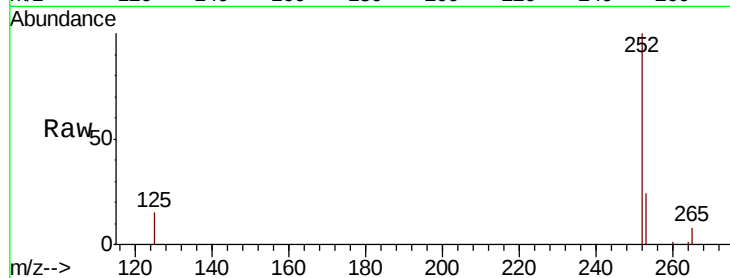
Tgt Ion:252 Resp: 15063

Ion Ratio Lower Upper

252 100

253 24.3 0.0 51.4

125 15.4 0.0 41.0

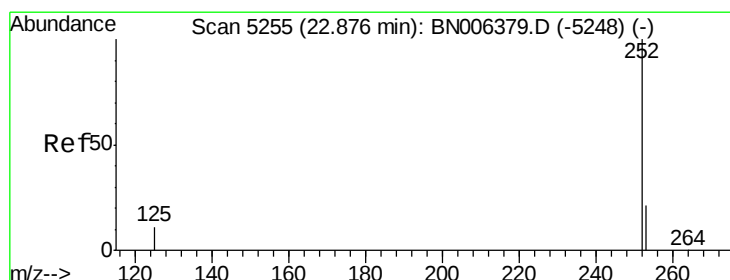
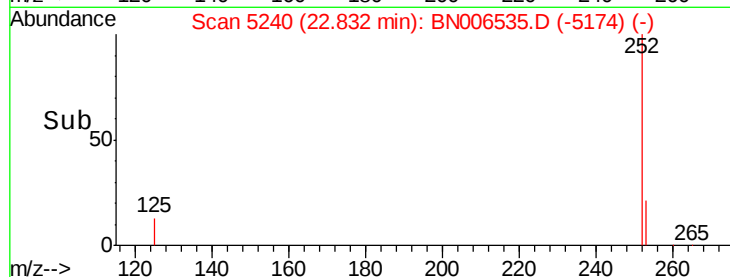
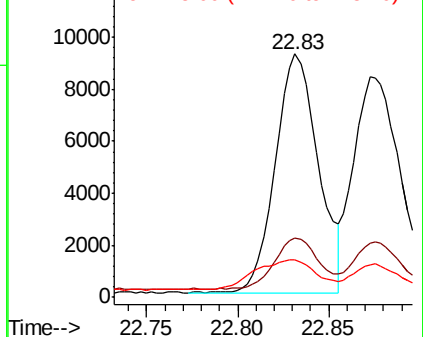


Abundance

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: 0.426 ng/ul

RT: 22.87 min Scan# 5254

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

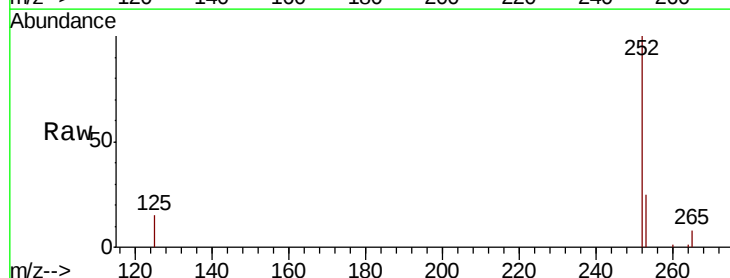
Tgt Ion:252 Resp: 15555

Ion Ratio Lower Upper

252 100

253 24.7 20.3 30.5

125 14.7 14.3 21.5

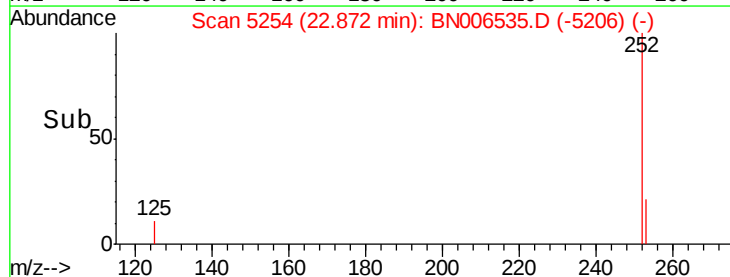
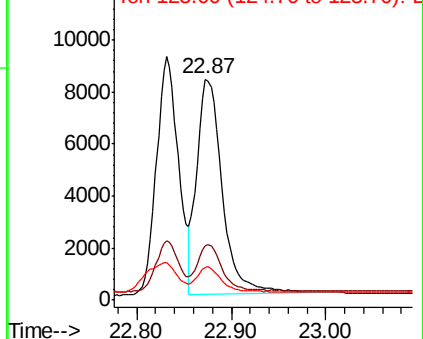


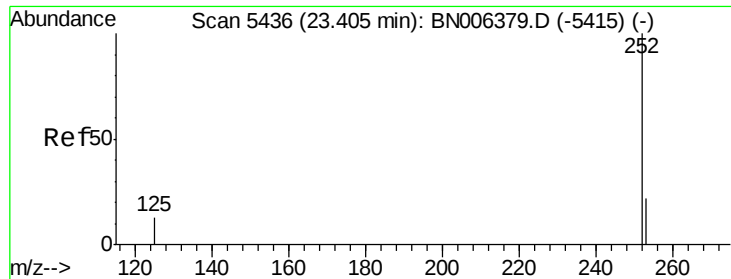
Abundance

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: 0.426 ng/ul

RT: 23.40 min Scan# 5436

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

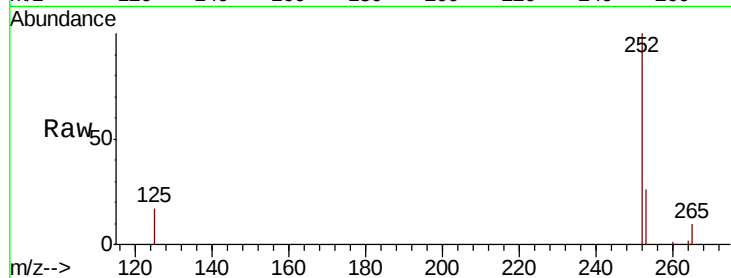
Tgt Ion:252 Resp: 14890

Ion Ratio Lower Upper

252 100

253 25.6 21.1 31.7

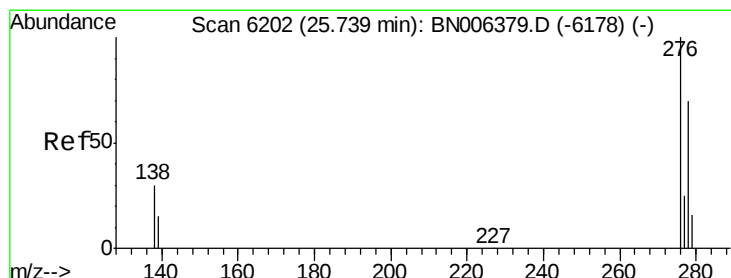
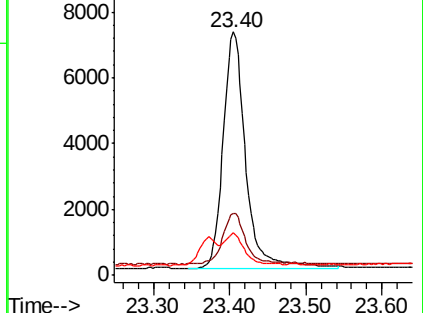
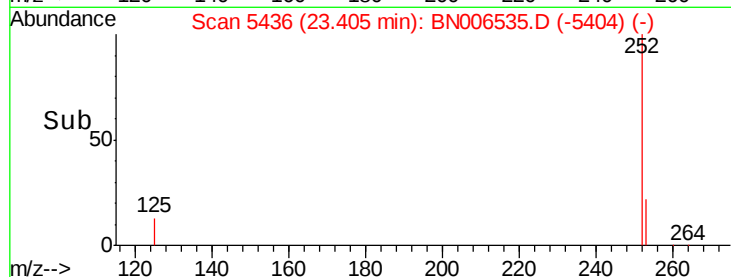
125 17.3 20.3 30.5#



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: 0.454 ng/ul

RT: 25.73 min Scan# 6201

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

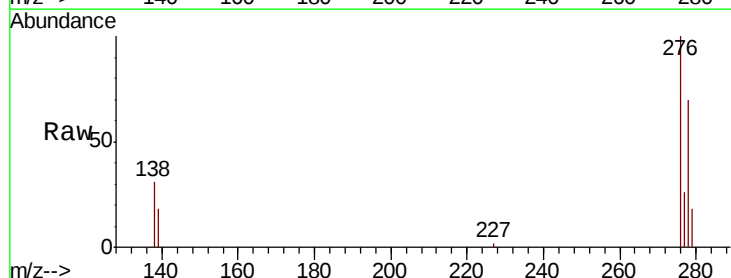
Tgt Ion:276 Resp: 17164

Ion Ratio Lower Upper

276 100

138 30.6 25.6 38.4

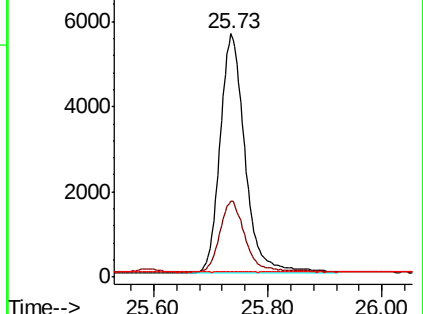
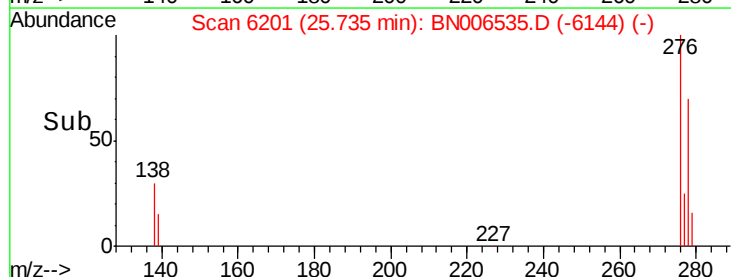
227 0.3 0.3 0.5

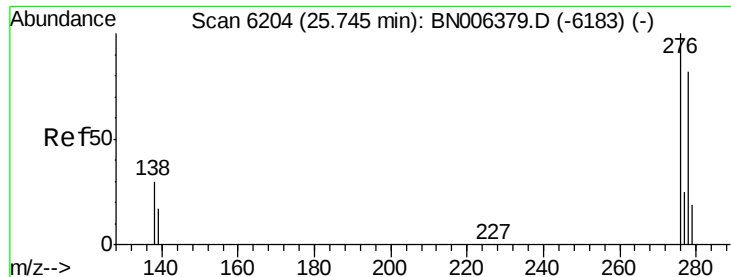


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.446 ng/ul

RT: 25.74 min Scan# 6203

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.431

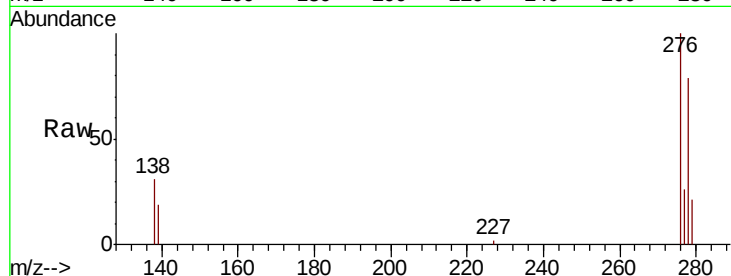
Tgt Ion:278 Resp: 13479

Ion Ratio Lower Upper

278 100

139 24.0 21.2 31.8

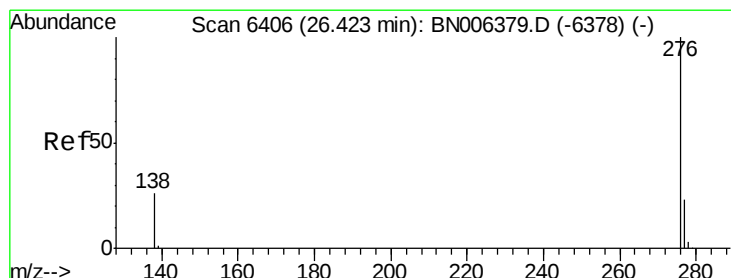
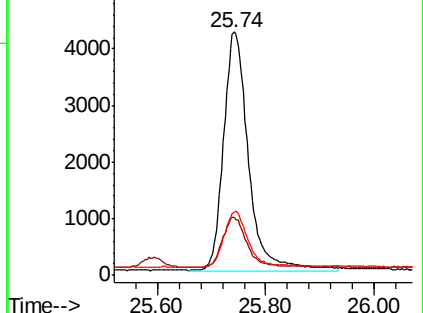
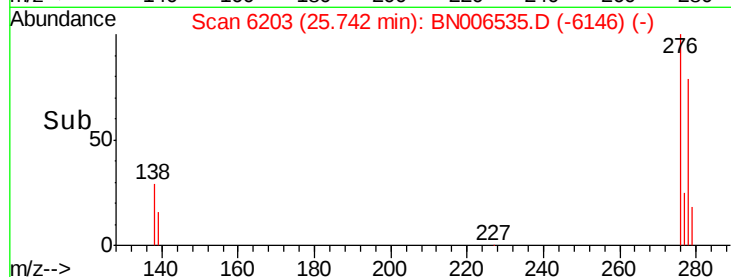
279 26.2 22.6 33.8



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: 0.469 ng/ul

RT: 26.42 min Scan# 6406

Delta R.T. -0.01 min

Lab File: BN006535.D

Acq: 24 Jun 2019 17:37

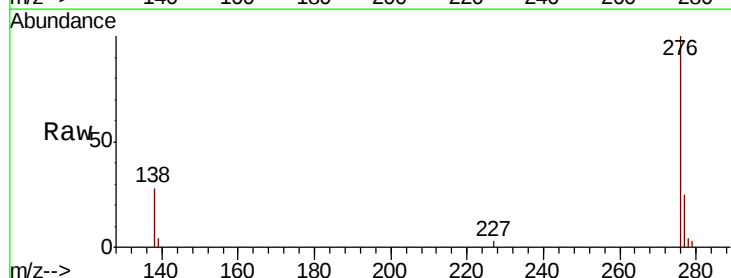
Tgt Ion:276 Resp: 14845

Ion Ratio Lower Upper

276 100

138 27.8 24.2 36.4

277 25.4 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

