

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021119\
 Data File : BN004375.D
 Acq On : 11 Feb 2019 12:47
 Operator : JU/SJ
 Sample : SSTD3.207
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.207

Quant Time: Feb 11 13:56:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 11:59:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1027	0.40	ng/ul	0.00
2) Naphthalene-d8	10.54	136	4191	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.39	164	2475	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.14	188	6280	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	8600	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8259	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.13	152	21747	3.37	ng/ul	0.00
14) Fluoranthene-d10	19.17	212	68009	3.68	ng/ul	0.00

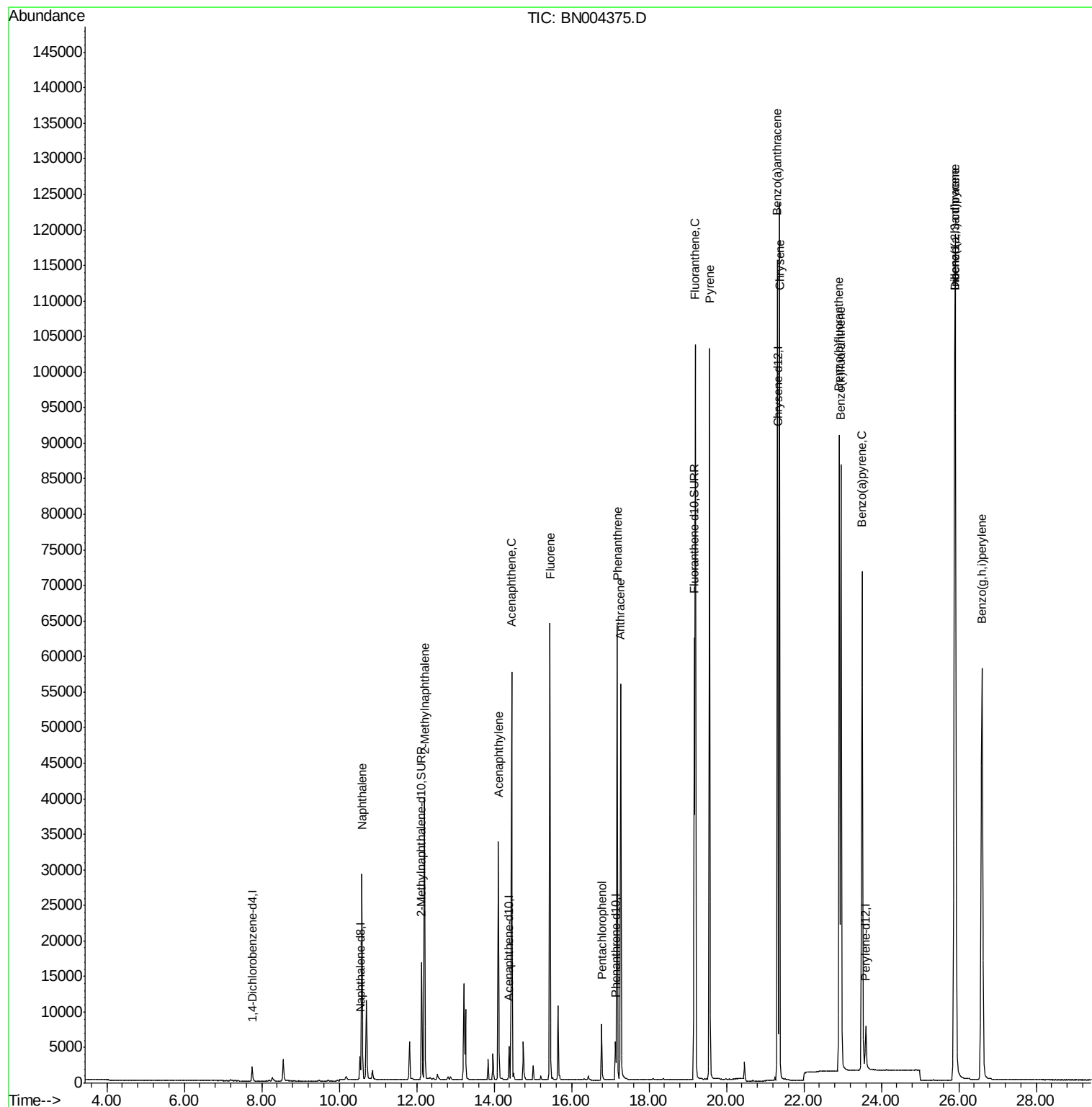
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.59	128	38265	3.24	ng/ul	97
5) 2-Methylnaphthalene	12.20	142	28267	3.45	ng/ul	100
7) Acenaphthylene	14.11	152	38326	3.09	ng/ul	98
8) Acenaphthene	14.45	153	31971	3.22	ng/ul	98
9) Fluorene	15.44	166	38480	3.42	ng/ul	100
11) Pentachlorophenol	16.78	266	5223	5.74	ng/ul	97
12) Phenanthrene	17.18	178	67273	3.30	ng/ul	99
13) Anthracene	17.27	178	60294	3.25	ng/ul	98
15) Fluoranthene	19.20	202	87917	3.58	ng/ul	99
17) Pyrene	19.56	202	86419	2.94	ng/ul	99
18) Benzo(a)anthracene	21.32	228	93835	3.21	ng/ul	99
19) Chrysene	21.37	228	99153	3.16	ng/ul	100
21) Benzo(b)fluoranthene	22.92	252	109856	3.51	ng/ul	95
22) Benzo(k)fluoranthene	22.96	252	108597	3.27	ng/ul	95
23) Benzo(a)pyrene	23.50	252	101532	3.41	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.89	276	140914	4.56	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.91	278	116676	4.61	ng/ul	97
26) Benzo(g,h,i)perylene	26.60	276	122798	4.73	ng/ul	99

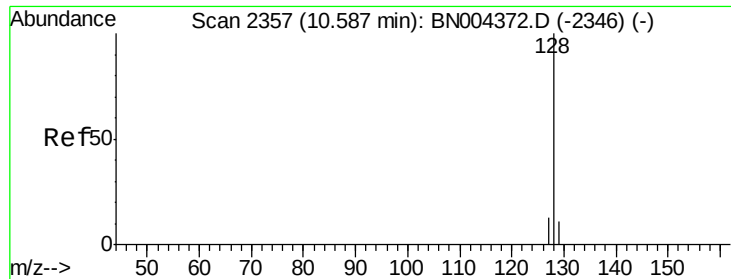
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.24 ng/ul

RT: 10.59 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

BNA_N

ClientSampleId :

SSTD3.207

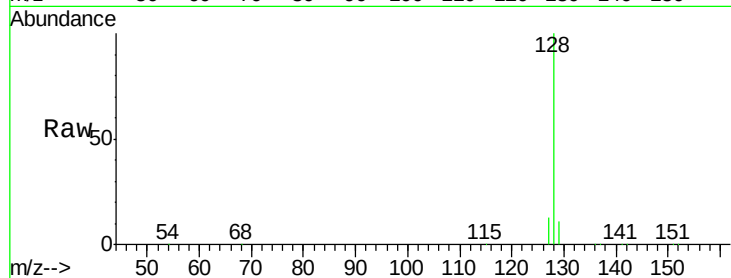
Tot Ion:128 Resp: 38265

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.6

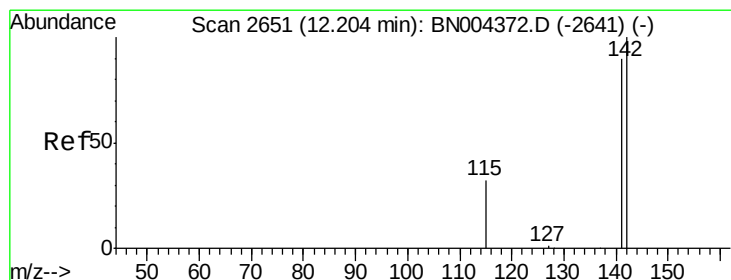
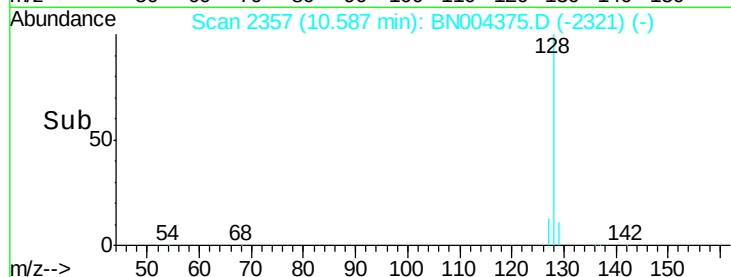
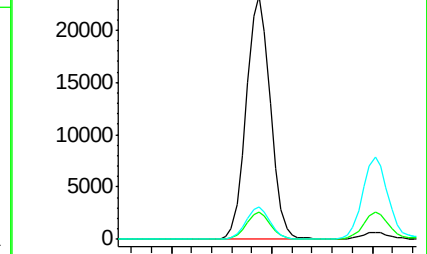
127 13.3 11.4 17.0



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: 3.45 ng/ul

RT: 12.20 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BN004375.D

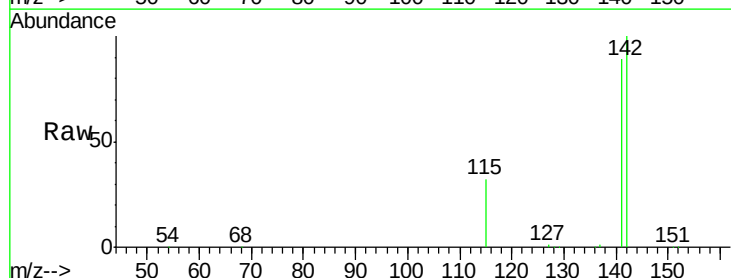
Acq: 11 Feb 2019 12:47

Tgt Ion:142 Resp: 28267

Ion Ratio Lower Upper

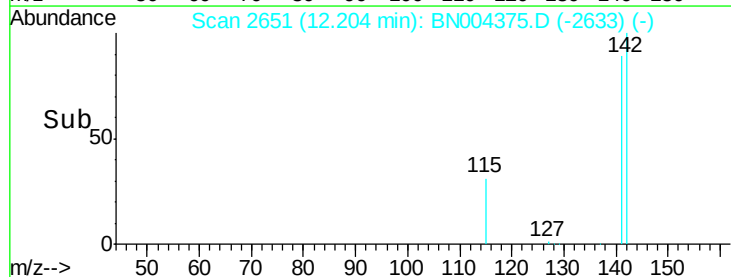
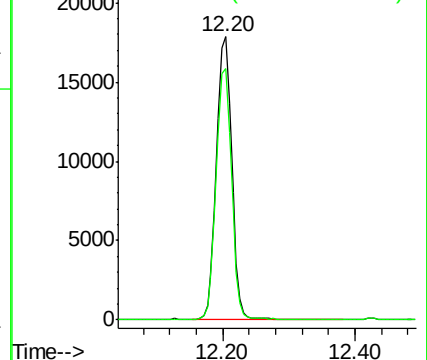
142 100

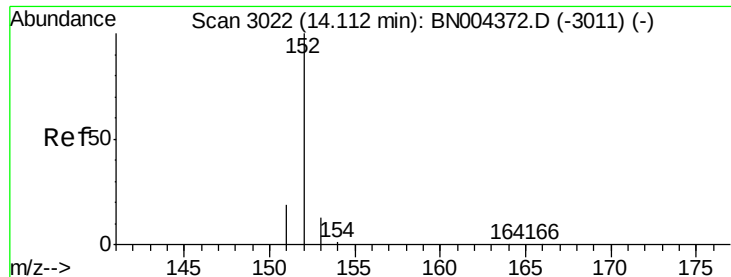
141 89.4 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.09 ng/ul

RT: 14.11 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

BNA_N

ClientSampleId :

SSTD3.207

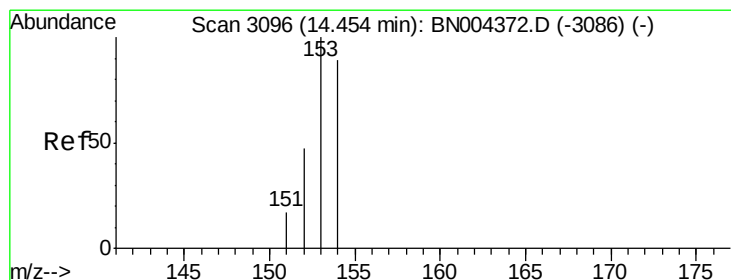
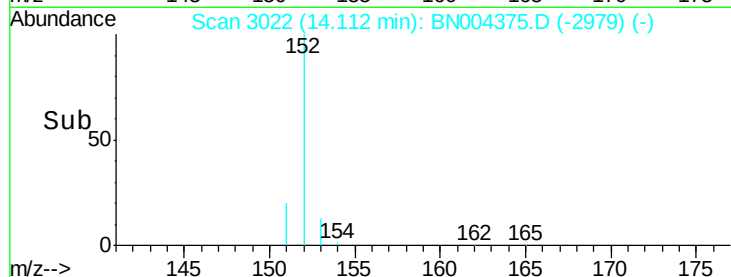
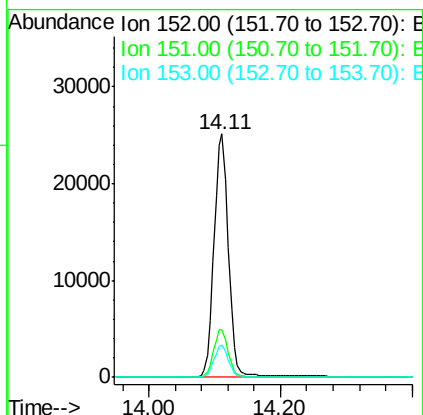
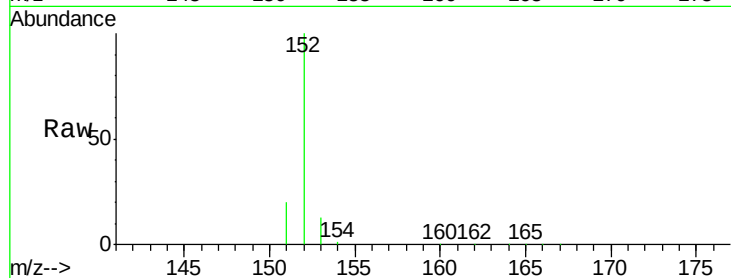
Tot Ion:152 Resp: 38326

Ion Ratio Lower Upper

152 100

151 19.7 16.6 24.8

153 13.2 11.1 16.7



#8

Acenaphthene

Concen: 3.22 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

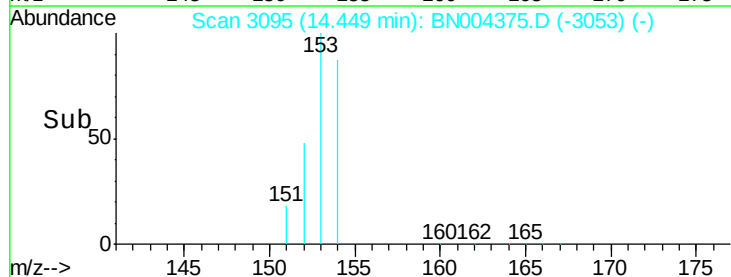
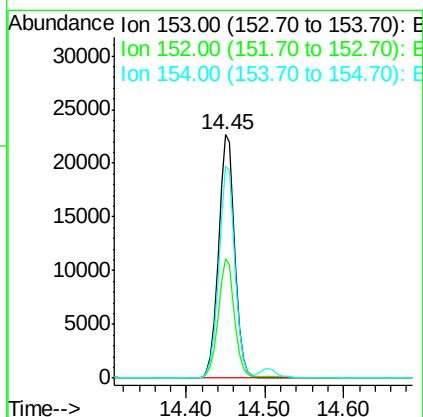
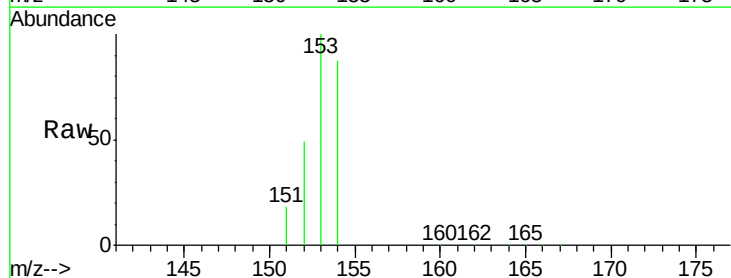
Tgt Ion:153 Resp: 31971

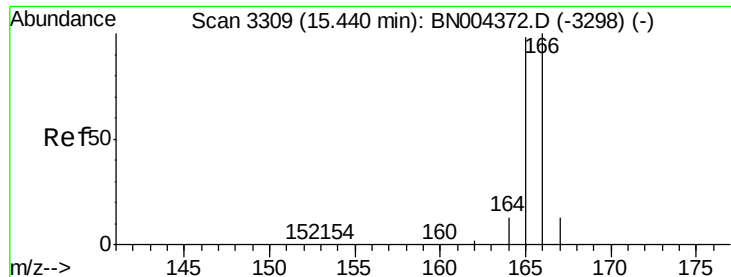
Ion Ratio Lower Upper

153 100

152 48.8 38.4 57.6

154 87.0 71.4 107.0





#9

Fluorene

Concen: 3.42 ng/ul

RT: 15.44 min Scan# 3309

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

BNA_N

ClientSampleId :

SSTD3.207

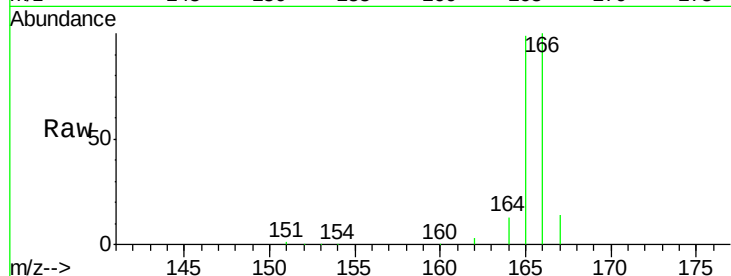
Tot Ion:166 Resp: 38480

Ion Ratio Lower Upper

166 100

165 98.6 78.9 118.3

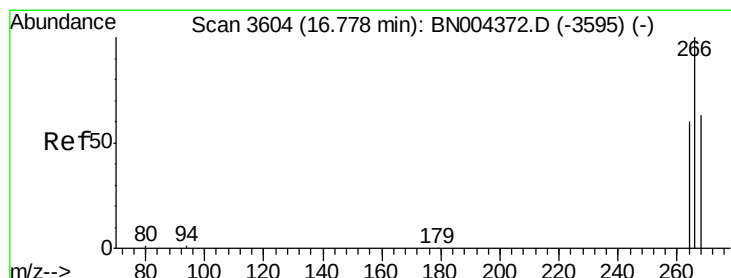
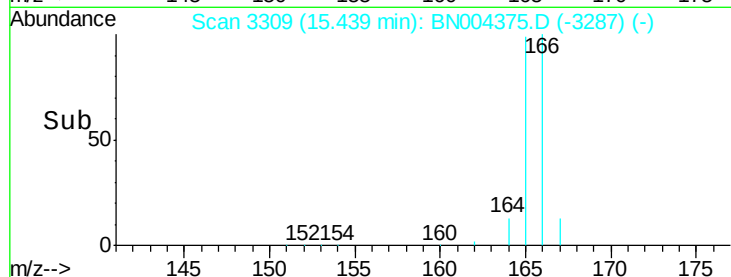
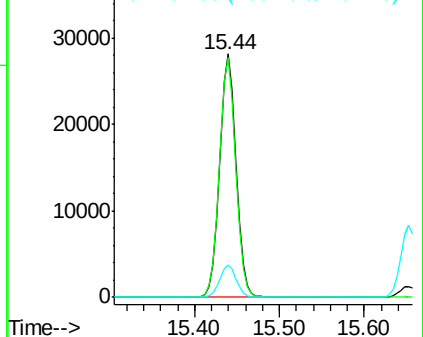
167 13.6 11.6 17.4



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: 5.74 ng/ul

RT: 16.78 min Scan# 3604

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

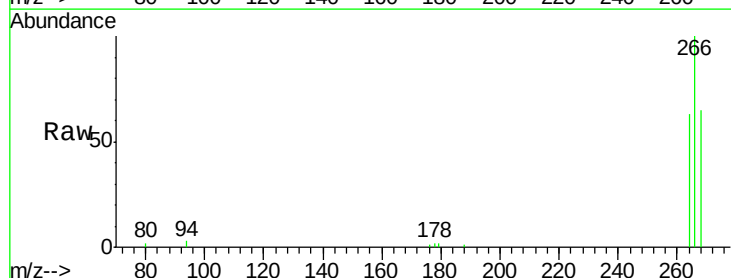
Tgt Ion:266 Resp: 5223

Ion Ratio Lower Upper

266 100

264 62.9 52.3 78.5

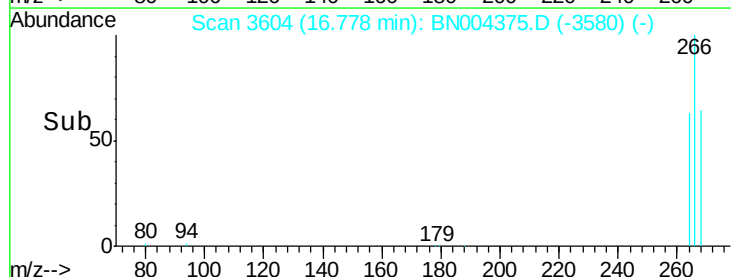
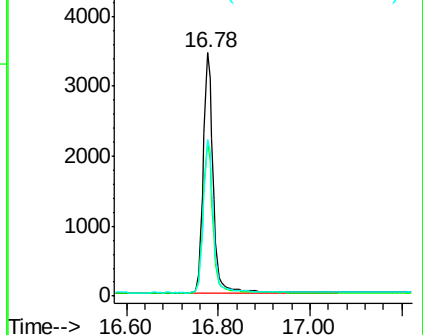
268 63.1 49.0 73.6

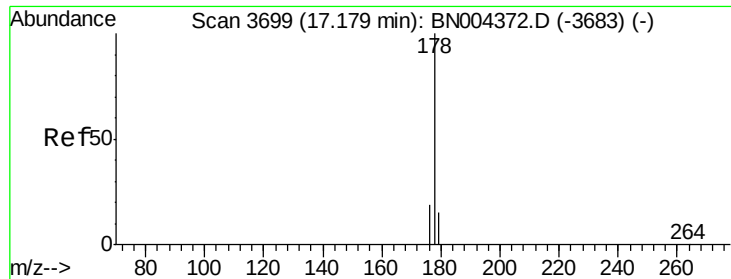


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.30 ng/ul

RT: 17.18 min Scan# 3699

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

BNA_N

ClientSampleId :

SSTD3.207

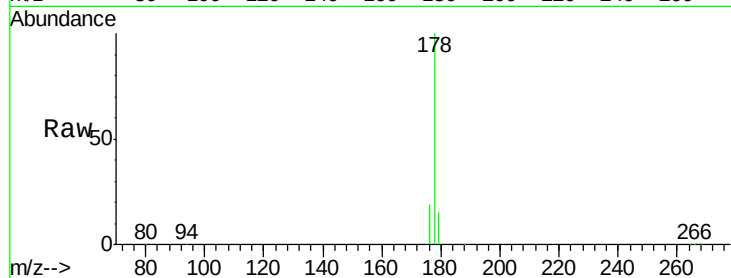
Tot Ion:178 Resp: 67273

Ion Ratio Lower Upper

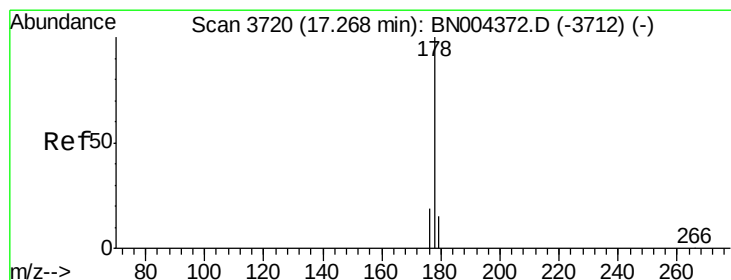
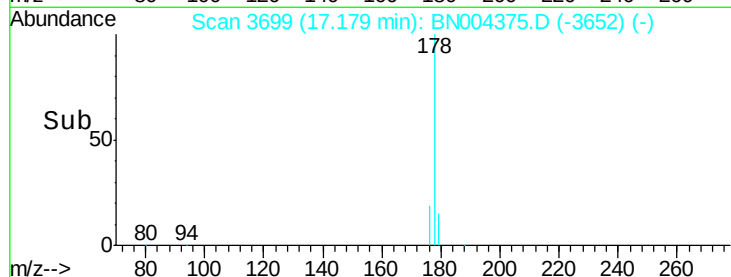
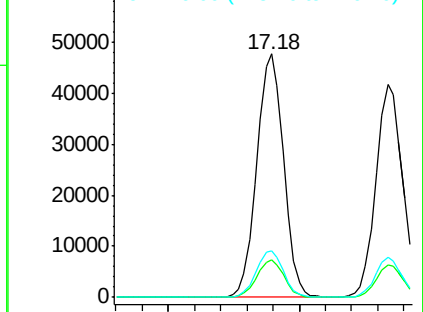
178 100

179 15.4 12.6 19.0

176 19.0 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



#13

Anthracene

Concen: 3.25 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

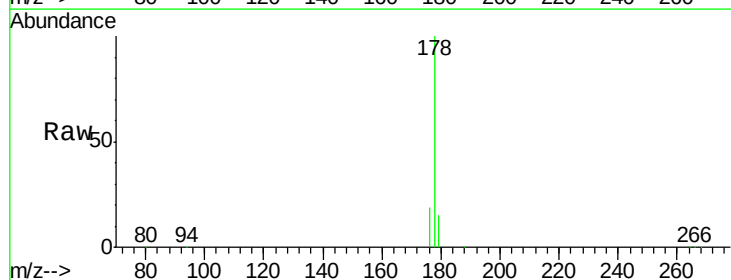
Tgt Ion:178 Resp: 60294

Ion Ratio Lower Upper

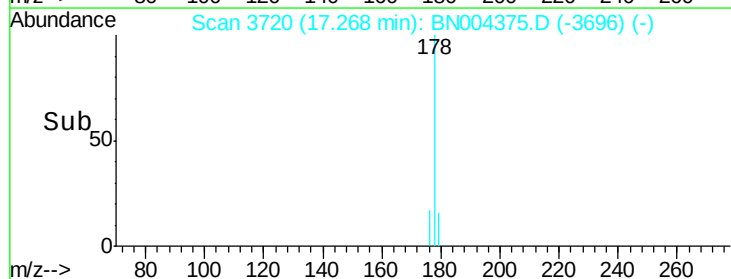
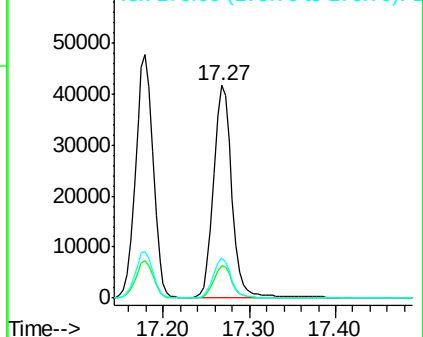
178 100

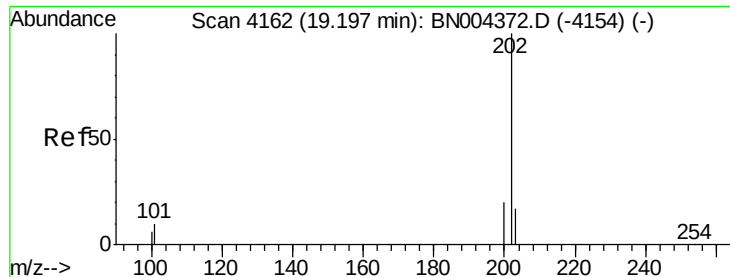
179 15.3 13.0 19.4

176 18.7 15.5 23.3



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

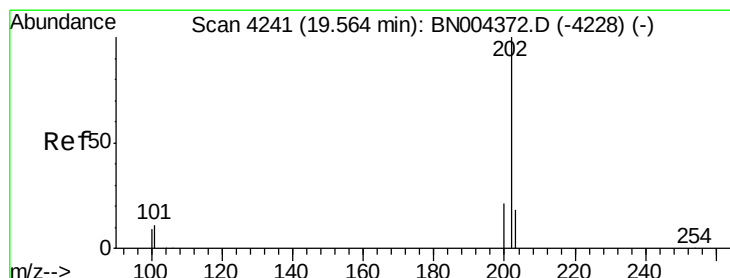
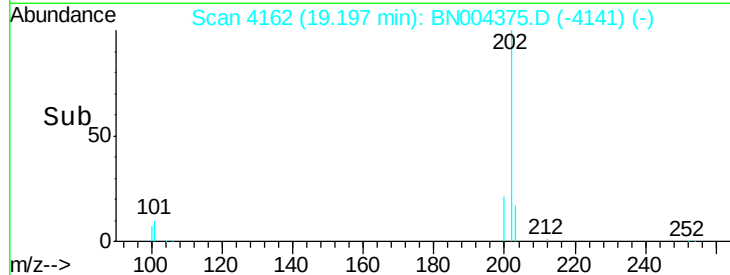
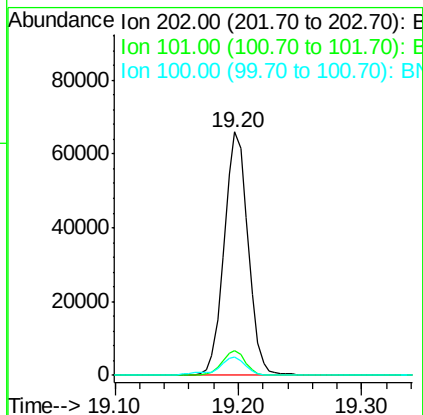
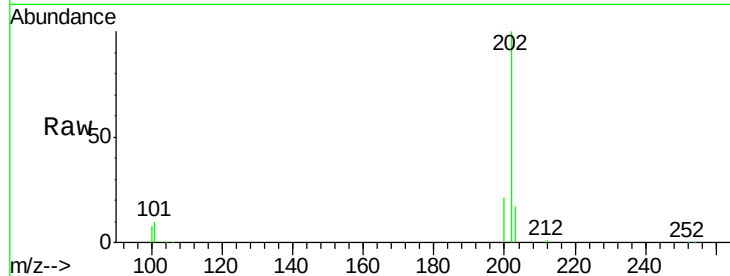




#15
Fluoranthene
Concen: 3.58 ng/ul
RT: 19.20 min Scan# 4162
Delta R.T. -0.00 min
Lab File: BN004375.D
Acq: 11 Feb 2019 12:47

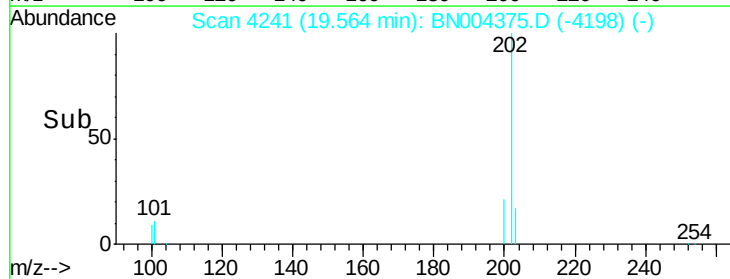
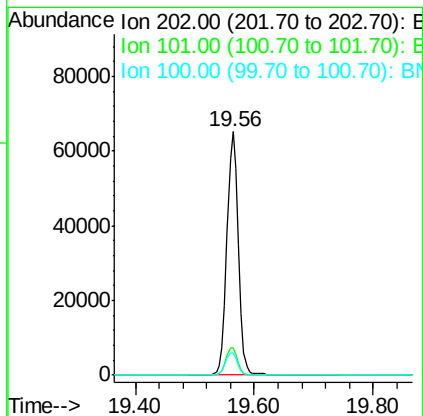
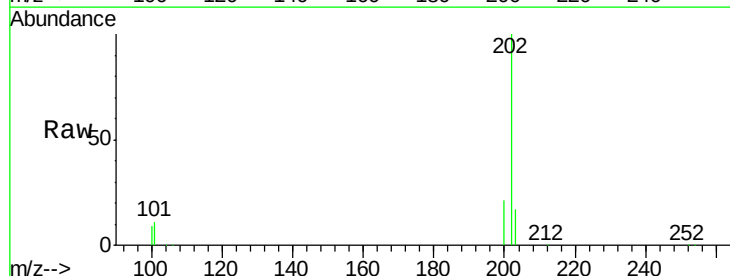
Instrument :
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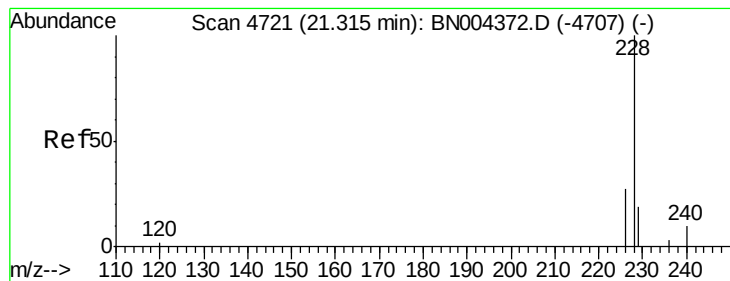
Tot Ion:202 Resp: 87917
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.4
100 7.5 0.0 27.6



#17
Pyrene
Concen: 2.94 ng/ul
RT: 19.56 min Scan# 4241
Delta R.T. -0.00 min
Lab File: BN004375.D
Acq: 11 Feb 2019 12:47

Tgt Ion:202 Resp: 86419
Ion Ratio Lower Upper
202 100
101 11.1 9.0 13.6
100 8.9 7.4 11.0





#18

Benzo(a)anthracene

Concen: 3.21 ng/ul

RT: 21.32 min Scan# 4721

Delta R.T. 0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

BNA_N

ClientSampleId :

SSTD3.207

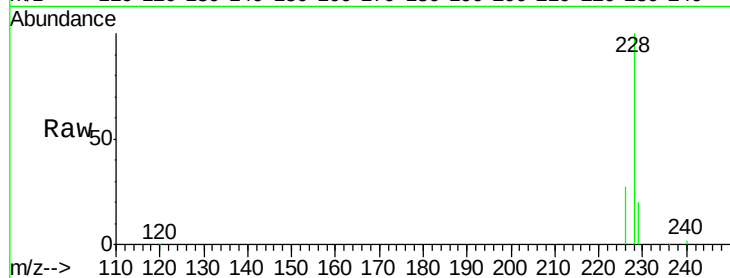
Tot Ion:228 Resp: 93835

Ion Ratio Lower Upper

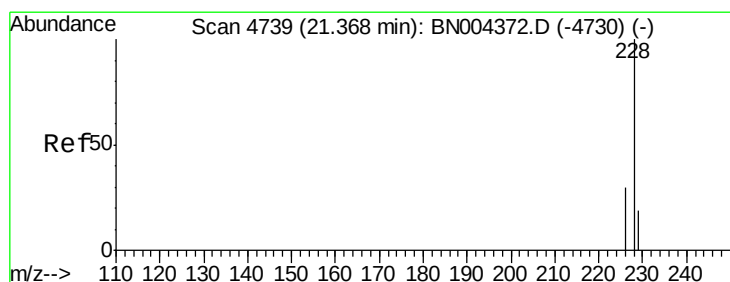
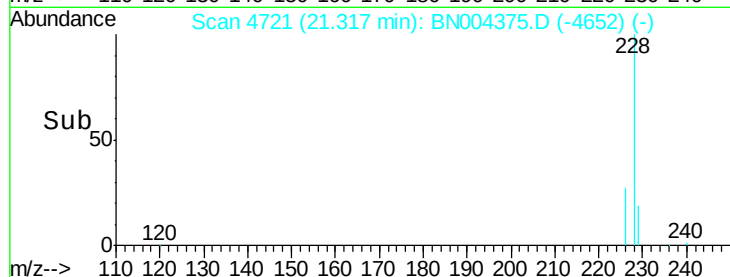
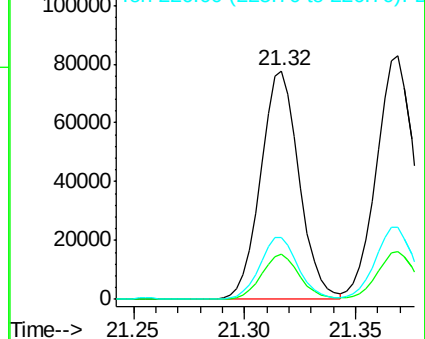
228 100

229 19.5 15.7 23.5

226 27.0 22.1 33.1



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: 3.16 ng/ul

RT: 21.37 min Scan# 4739

Delta R.T. 0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

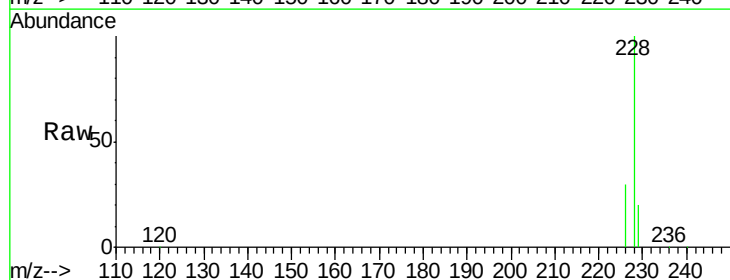
Tgt Ion:228 Resp: 99153

Ion Ratio Lower Upper

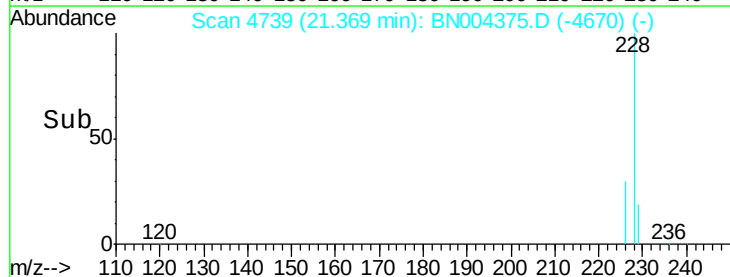
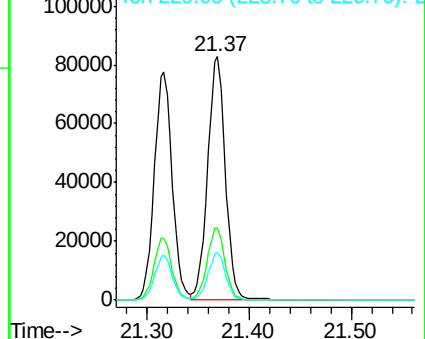
228 100

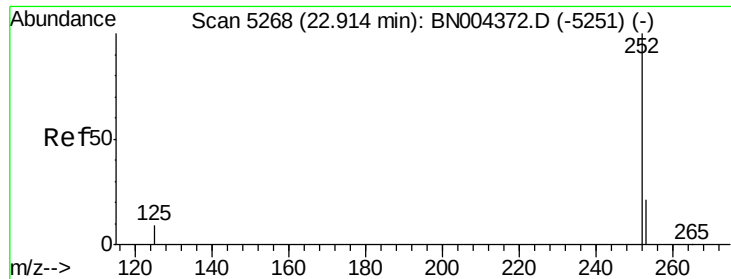
226 29.7 23.8 35.8

229 19.5 15.8 23.6



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: 3.51 ng/ul

RT: 22.92 min Scan# 5268

Delta R.T. 0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

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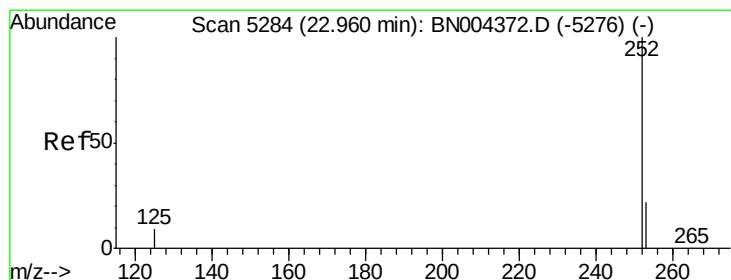
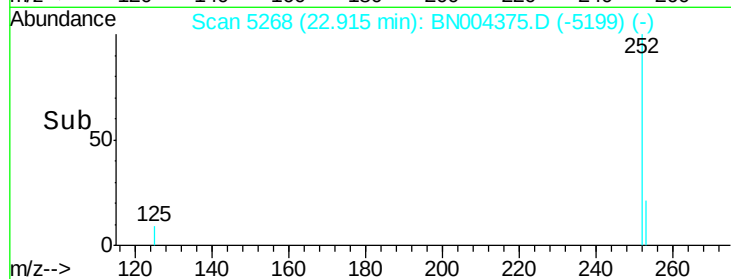
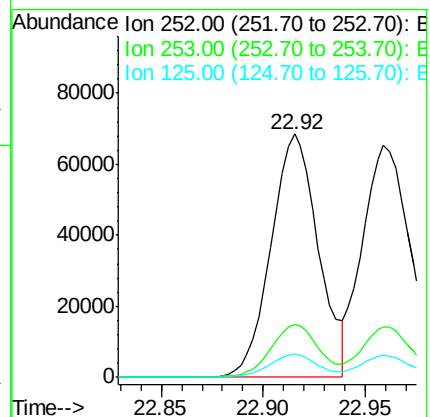
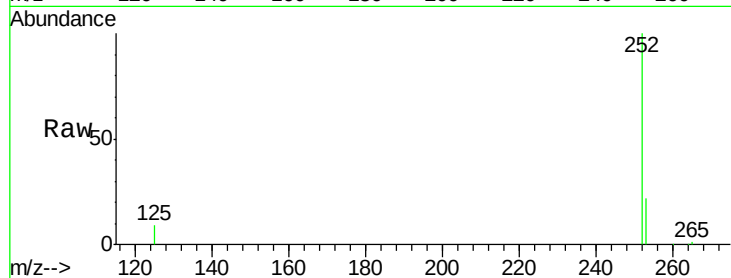
Tot Ion:252 Resp: 109856

Ion Ratio Lower Upper

252 100

253 21.8 0.0 48.0

125 9.5 0.0 22.8



#22

Benzo(k)fluoranthene

Concen: 3.27 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

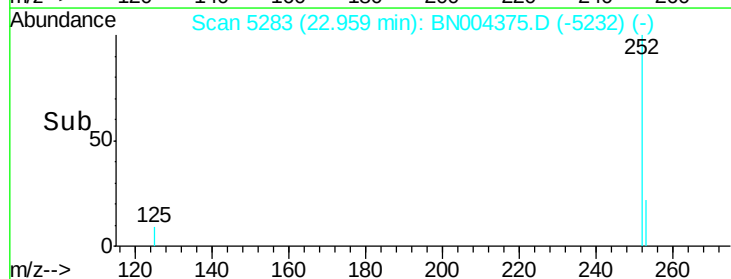
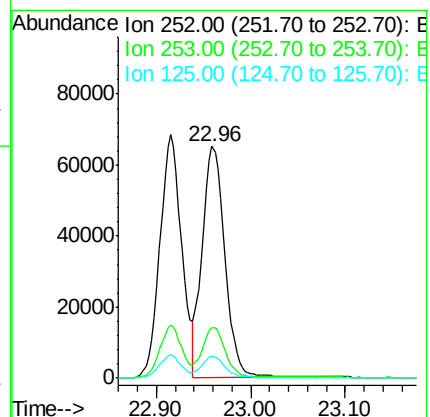
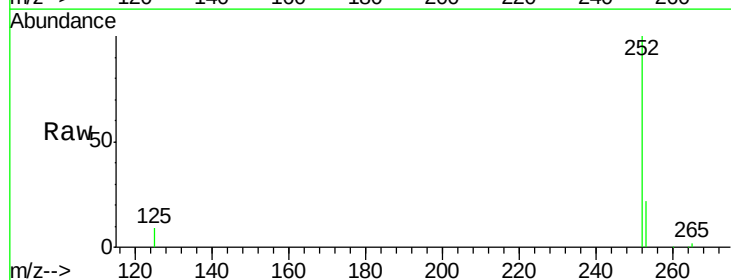
Tgt Ion:252 Resp: 108597

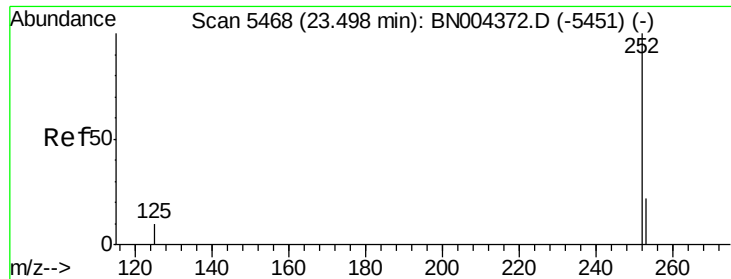
Ion Ratio Lower Upper

252 100

253 21.9 19.5 29.3

125 9.5 9.1 13.7





#23

Benzo(a)pyrene

Concen: 3.41 ng/ul

RT: 23.50 min Scan# 5469

Delta R.T. 0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

BNA_N

ClientSampleId :

SSTD3.207

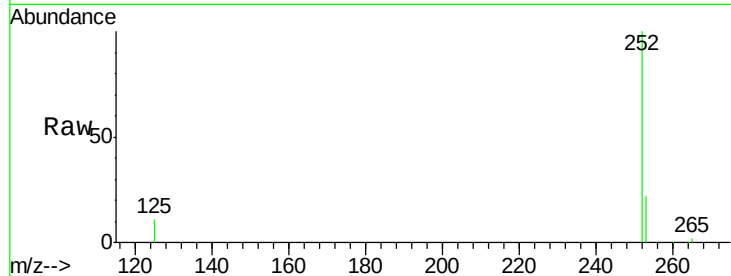
Tot Ion:252 Resp: 101532

Ion Ratio Lower Upper

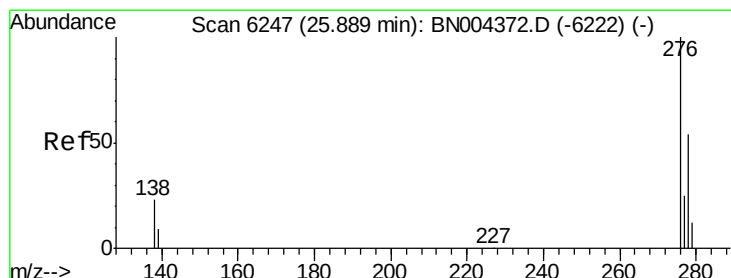
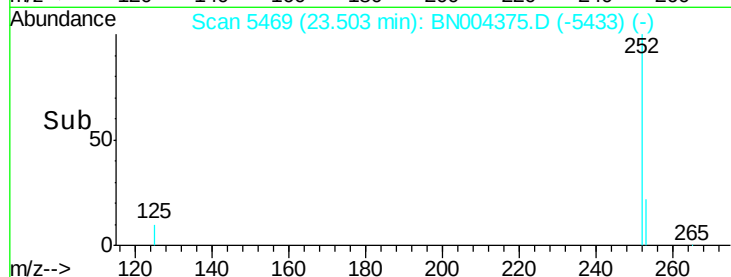
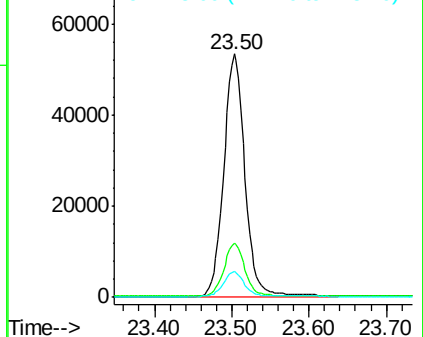
252 100

253 22.0 20.4 30.6

125 10.5 10.6 15.8#



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: 4.56 ng/ul

RT: 25.89 min Scan# 6248

Delta R.T. 0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

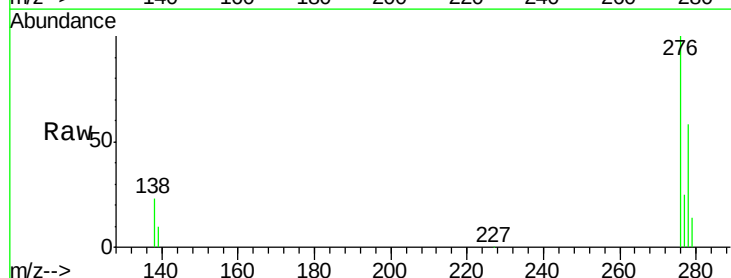
Tgt Ion:276 Resp: 140914

Ion Ratio Lower Upper

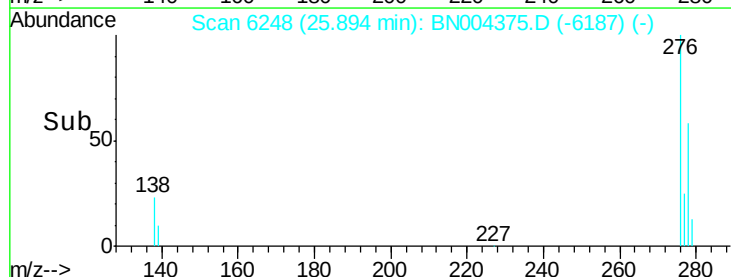
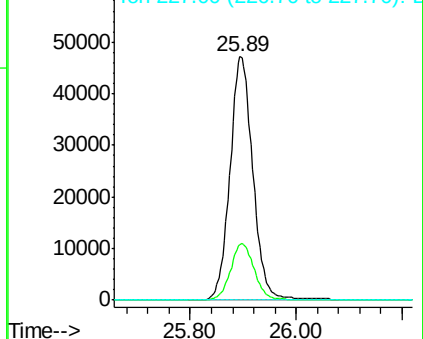
276 100

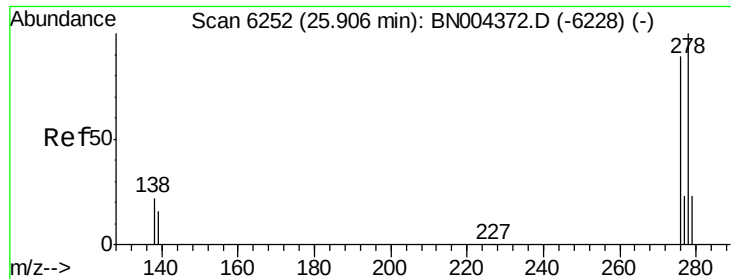
138 24.0 19.1 28.7

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: 4.61 ng/ul

RT: 25.91 min Scan# 6253

Delta R.T. 0.00 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

Instrument :

BNA_N

ClientSampleId :

SSTD3.207

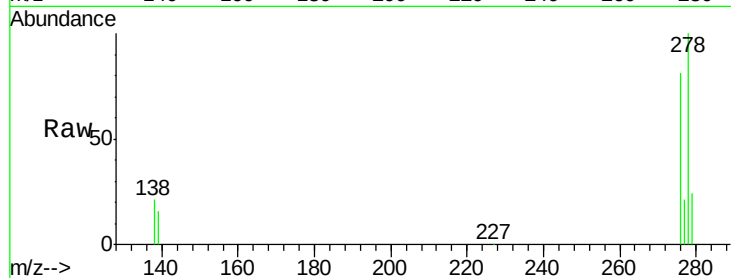
Tot Ion:278 Resp: 116676

Ion Ratio Lower Upper

278 100

139 15.7 13.8 20.6

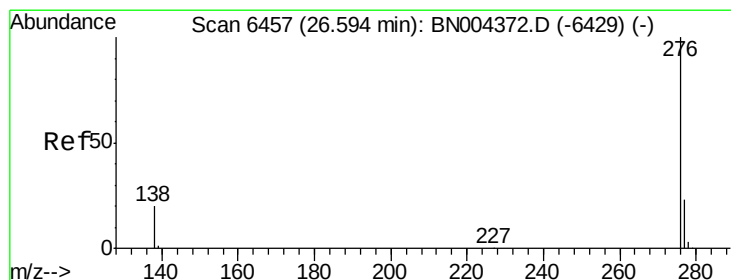
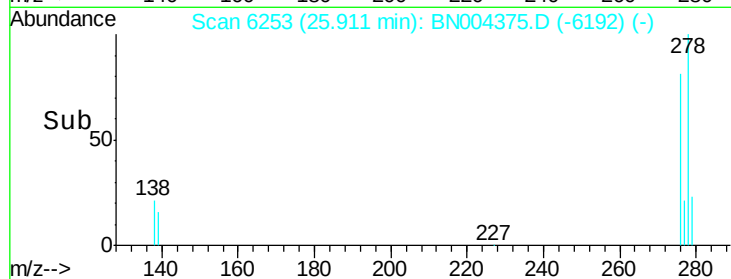
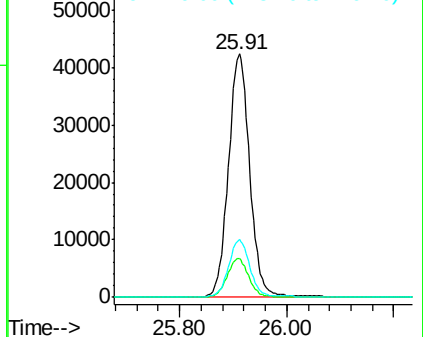
279 23.7 20.4 30.6



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: 4.73 ng/ul

RT: 26.60 min Scan# 6459

Delta R.T. 0.01 min

Lab File: BN004375.D

Acq: 11 Feb 2019 12:47

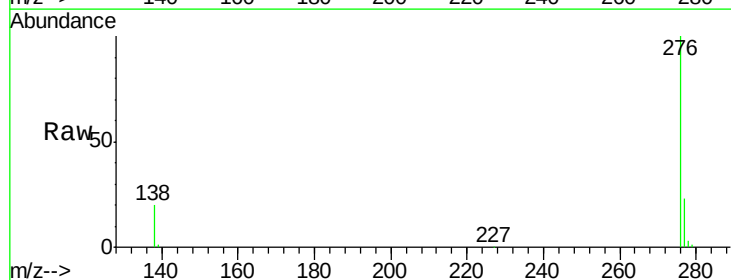
Tgt Ion:276 Resp: 122798

Ion Ratio Lower Upper

276 100

138 20.3 16.8 25.2

277 23.5 19.4 29.0



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

