

Data File : BN008479.D
Acq On : 07 Nov 2019 11:35
Operator : JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.499

Quant Time: Nov 08 05:42:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 14:41:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1167	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5098	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	2991	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5041	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	3491	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	3605	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.93	152	3067	0.38	ng/ul	0.01
14) Fluoranthene-d10	18.99	212	5834	0.39	ng/ul	0.00

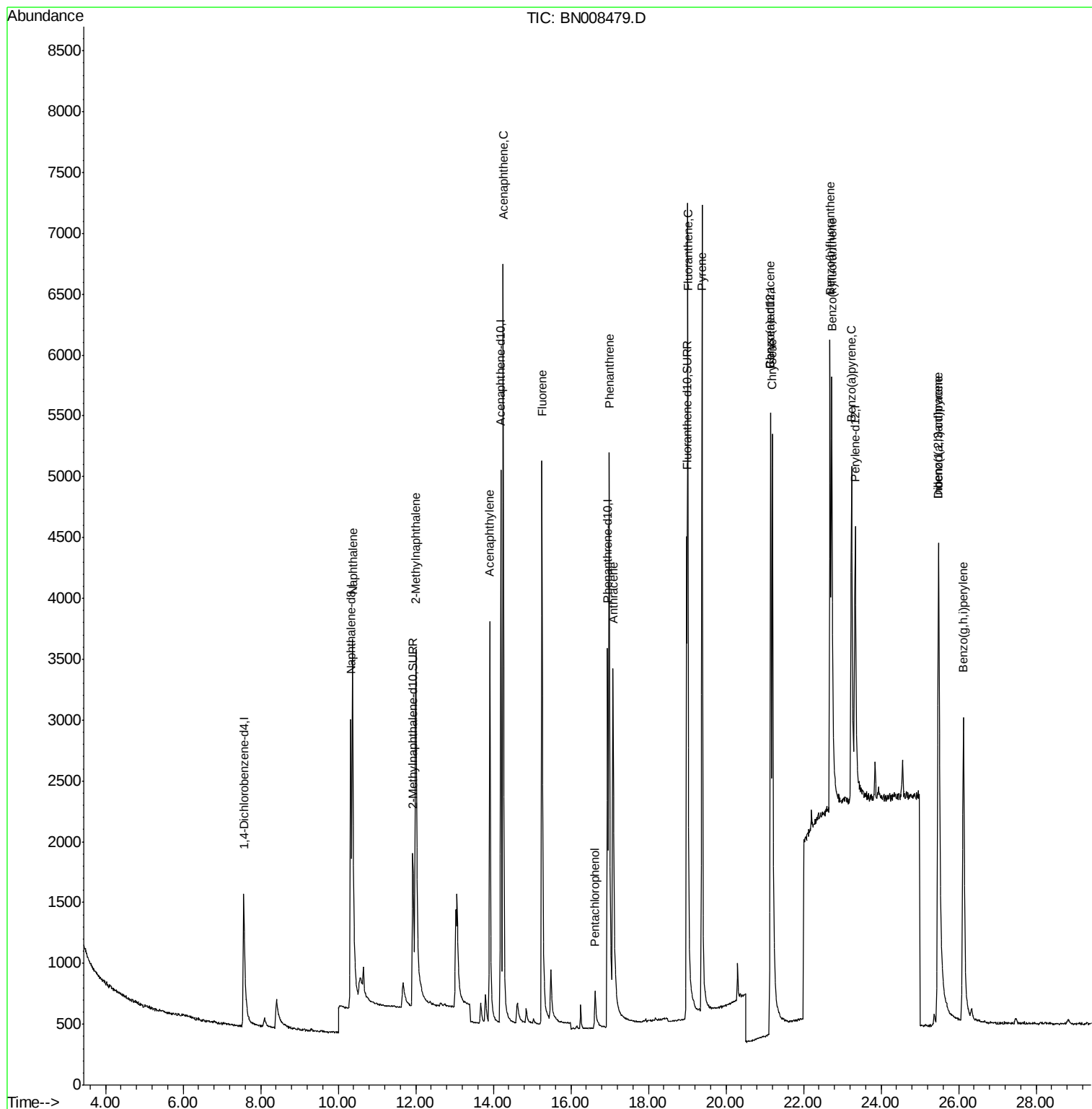
Target Compounds				Qvalue		
3) Naphthalene	10.37	128	5898	0.407	ng/ul	99
5) 2-Methylnaphthalene	12.00	142	3717	0.385	ng/ul	100
7) Acenaphthylene	13.91	152	5082	0.365	ng/ul	99
8) Acenaphthene	14.26	153	4341	0.385	ng/ul	99
9) Fluorene	15.25	166	4491	0.364	ng/ul	98
11) Pentachlorophenol	16.62	266	391	0.356	ng/ul	99
12) Phenanthrene	16.99	178	6355	0.415	ng/ul	98
13) Anthracene	17.08	178	5378	0.401	ng/ul	98
15) Fluoranthene	19.01	202	6893	0.392	ng/ul	99
17) Pyrene	19.38	202	7178	0.421	ng/ul	99
18) Benzo(a)anthracene	21.15	228	4623	0.380	ng/ul	100
19) Chrysene	21.20	228	6739	0.436	ng/ul	99
21) Benzo(b)fluoranthene	22.69	252	5215	0.388	ng/ul	94
22) Benzo(k)fluoranthene	22.73	252	6311	0.413	ng/ul	96
23) Benzo(a)pyrene	23.24	252	5433	0.402	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.48	276	6546	0.426	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.49	278	5147	0.422	ng/ul	98
26) Benzo(g,h,i)perylene	26.12	276	6064	0.440	ng/ul	99

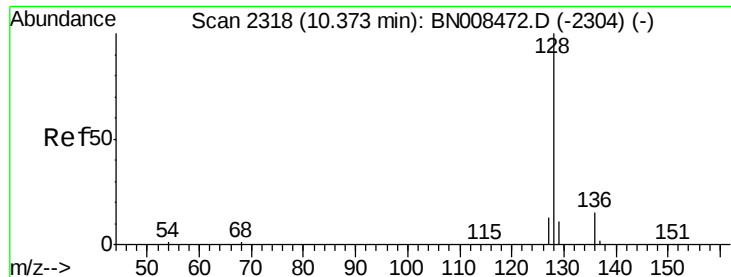
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.407 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. 0.01 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

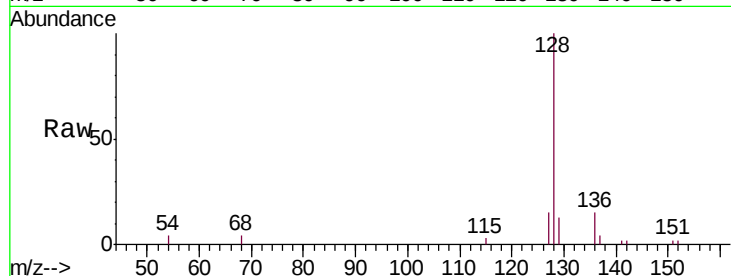
Tgt Ion:128 Resp: 5898

Ion Ratio Lower Upper

128 100

129 13.2 10.0 15.0

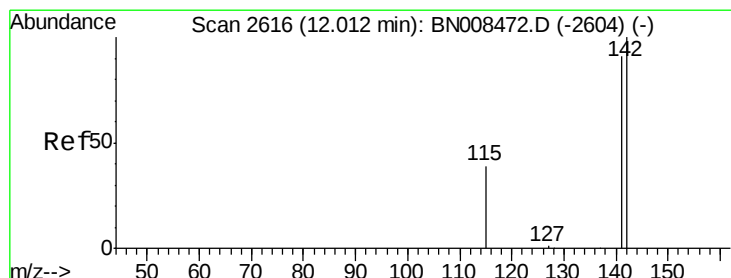
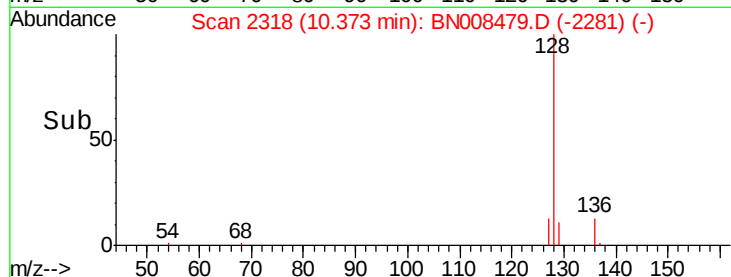
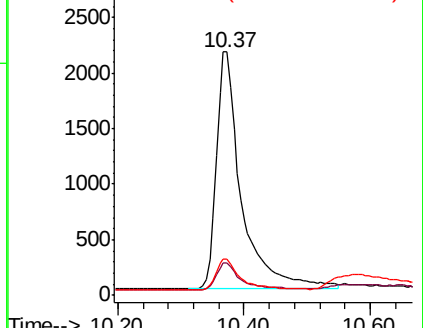
127 14.7 11.6 17.4



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: 0.385 ng/ul

RT: 12.00 min Scan# 2614

Delta R.T. 0.01 min

Lab File: BN008479.D

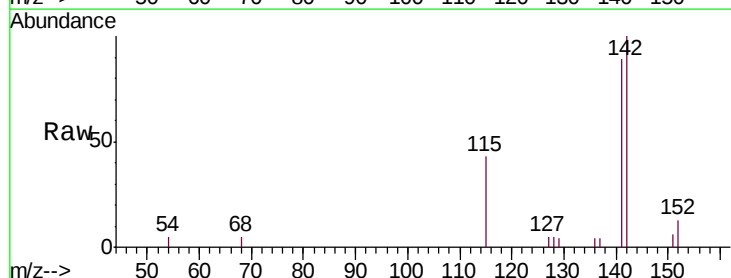
Acq: 07 Nov 2019 11:35

Tgt Ion:142 Resp: 3717

Ion Ratio Lower Upper

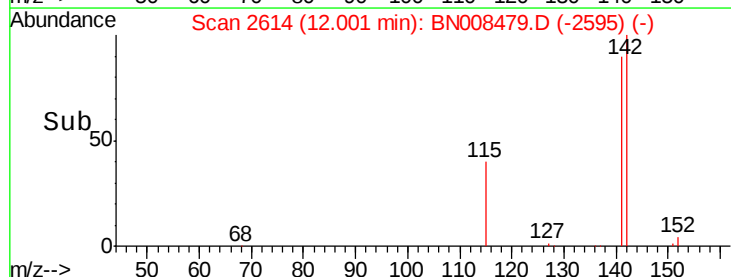
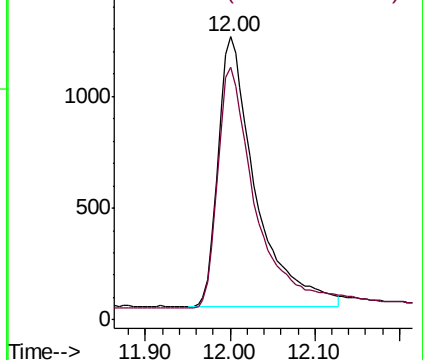
142 100

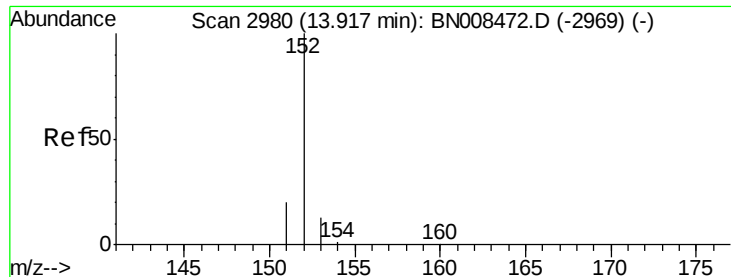
141 90.7 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.365 ng/ul

RT: 13.91 min Scan# 2979

Delta R.T. 0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

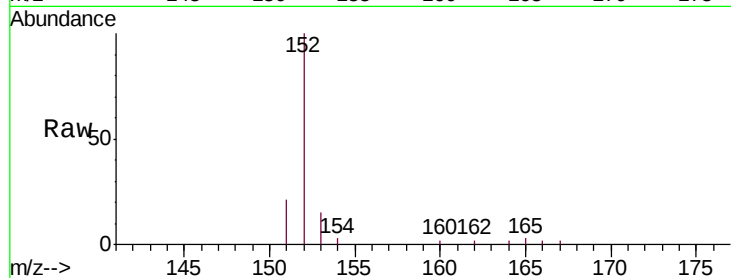
Tgt Ion:152 Resp: 5082

Ion Ratio Lower Upper

152 100

151 21.1 16.7 25.1

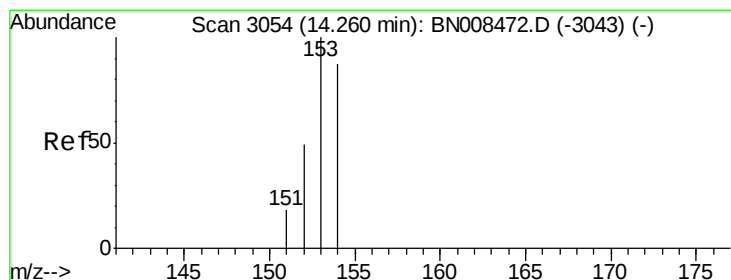
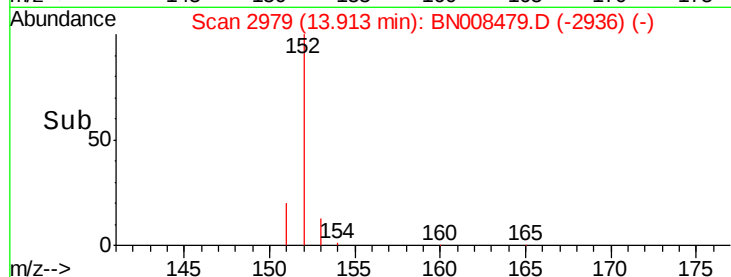
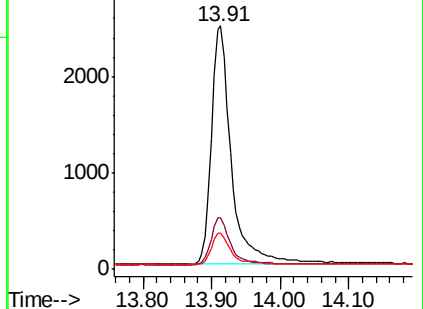
153 14.8 11.4 17.2



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: 0.385 ng/ul

RT: 14.26 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

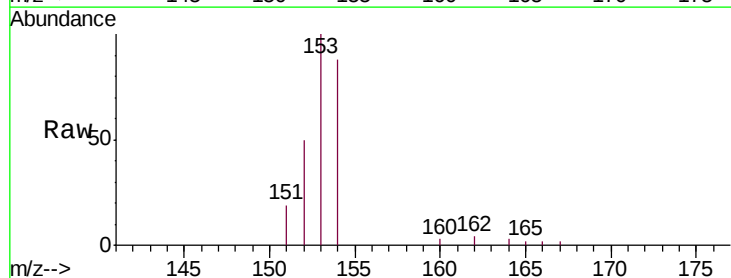
Tgt Ion:153 Resp: 4341

Ion Ratio Lower Upper

153 100

152 49.8 39.8 59.8

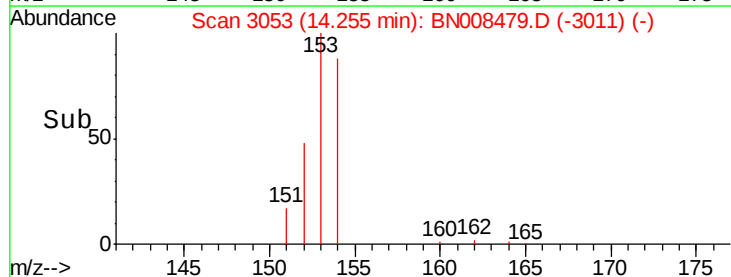
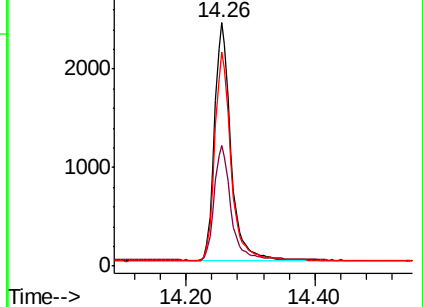
154 88.0 71.6 107.4

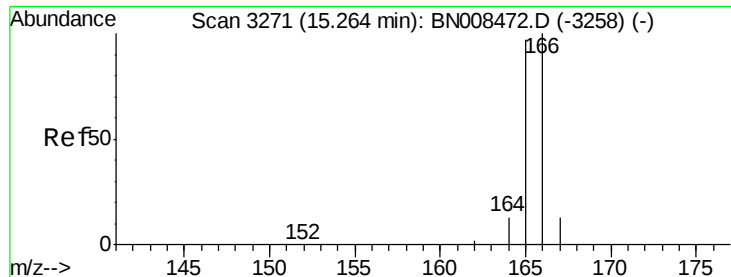


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.364 ng/ul

RT: 15.25 min Scan# 3269

Delta R.T. 0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

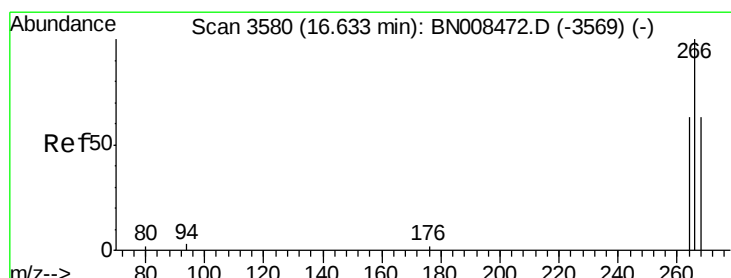
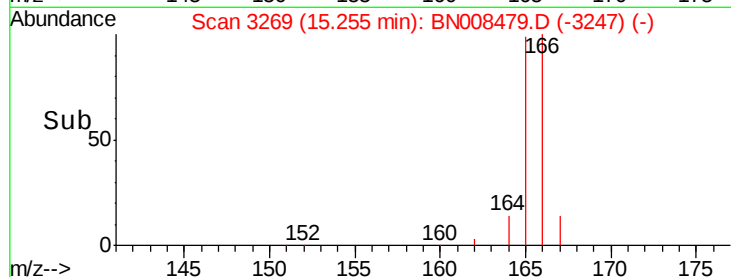
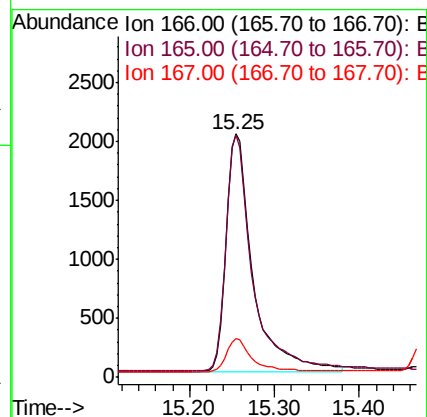
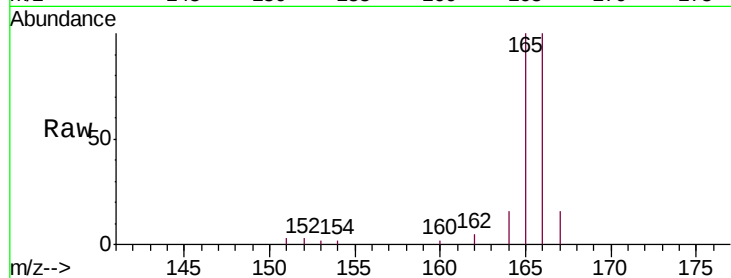
Tgt Ion:166 Resp: 4491

Ion Ratio Lower Upper

166 100

165 99.7 78.2 117.2

167 15.8 12.1 18.1



#11

Pentachlorophenol

Concen: 0.356 ng/ul

RT: 16.62 min Scan# 3578

Delta R.T. 0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

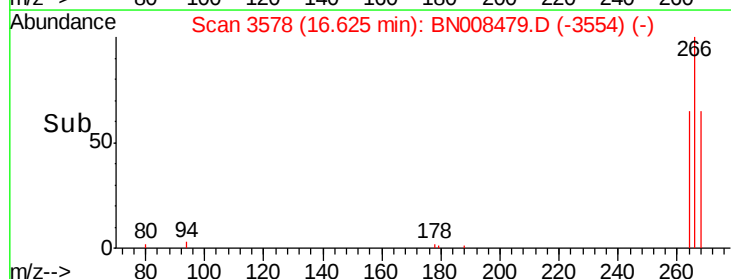
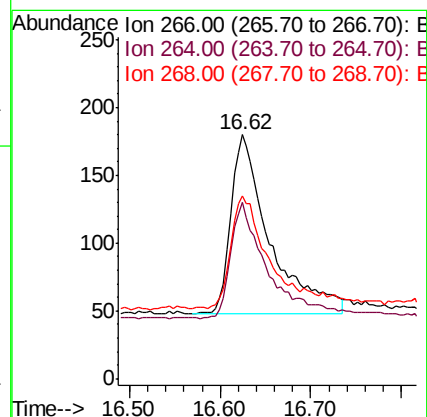
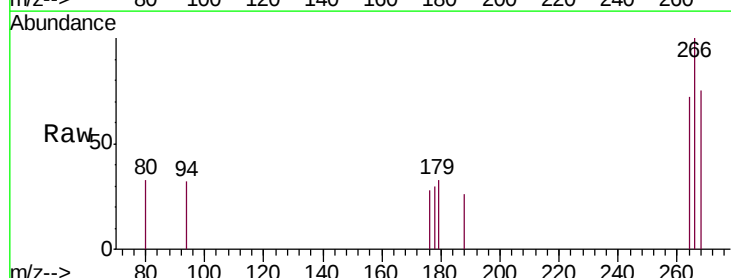
Tgt Ion:266 Resp: 391

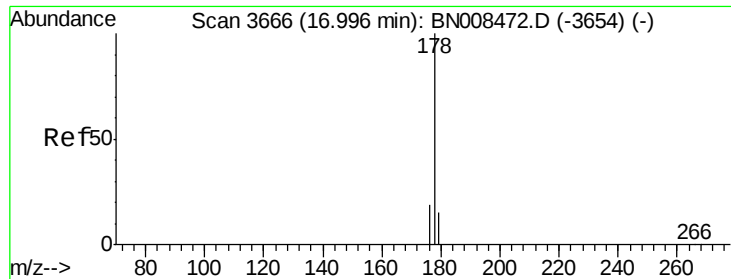
Ion Ratio Lower Upper

266 100

264 63.7 49.8 74.8

268 64.5 51.0 76.6





#12

Phenanthrene

Concen: 0.415 ng/ul

RT: 16.99 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

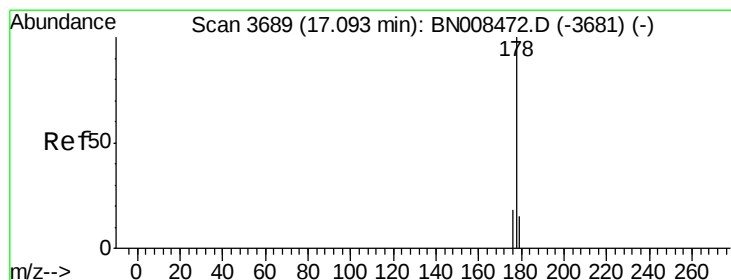
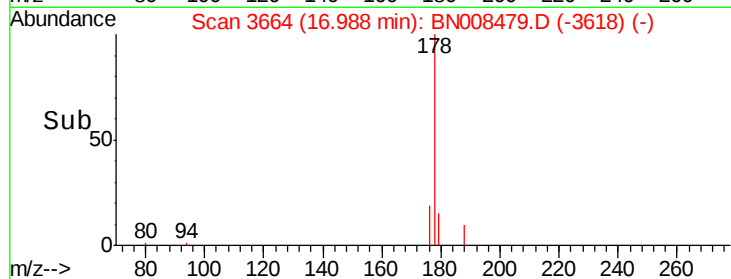
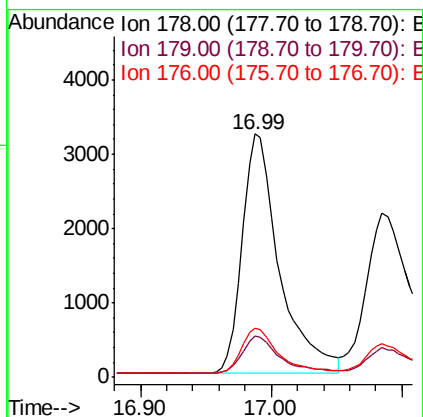
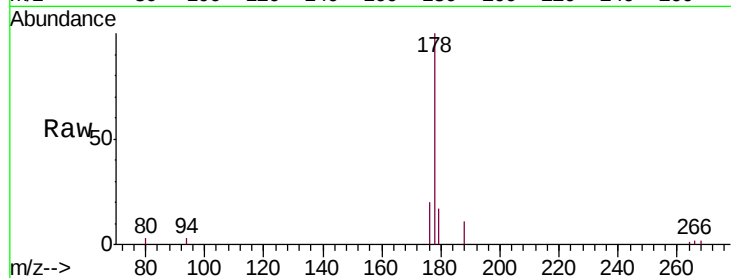
Tgt Ion:178 Resp: 6355

Ion Ratio Lower Upper

178 100

179 16.9 13.2 19.8

176 20.4 15.6 23.4



#13

Anthracene

Concen: 0.401 ng/ul

RT: 17.08 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

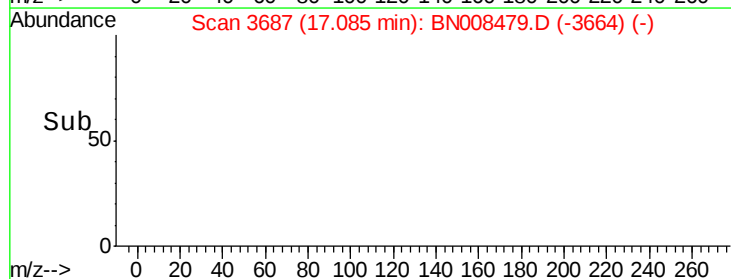
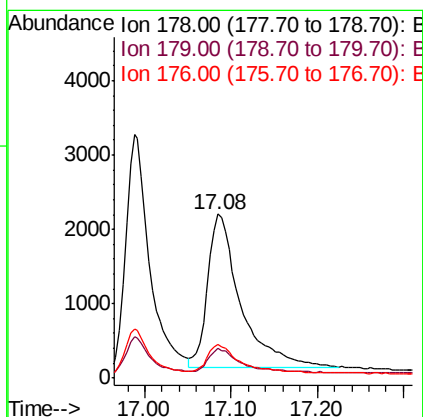
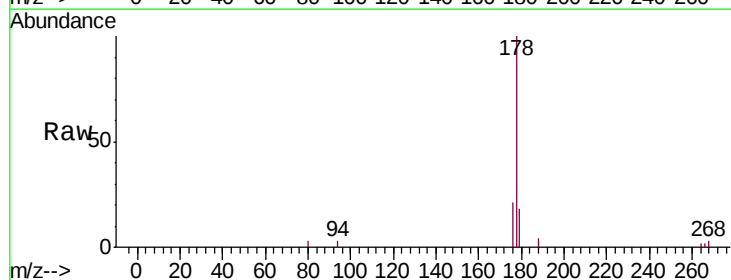
Tgt Ion:178 Resp: 5378

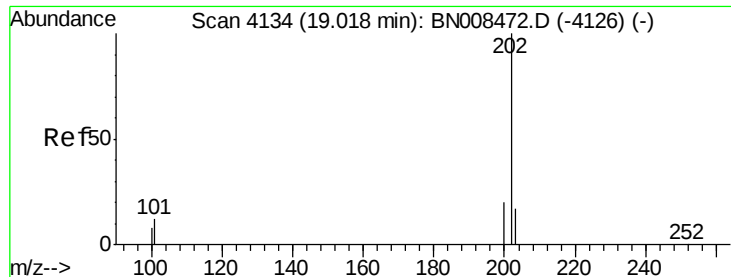
Ion Ratio Lower Upper

178 100

179 18.1 13.7 20.5

176 20.6 15.7 23.5





#15

Fluoranthene

Concen: 0.392 ng/ul

RT: 19.01 min Scan# 4133

Delta R.T. -0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

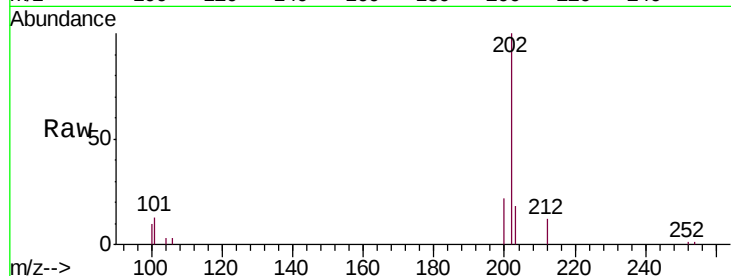
Tgt Ion:202 Resp: 6893

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.0

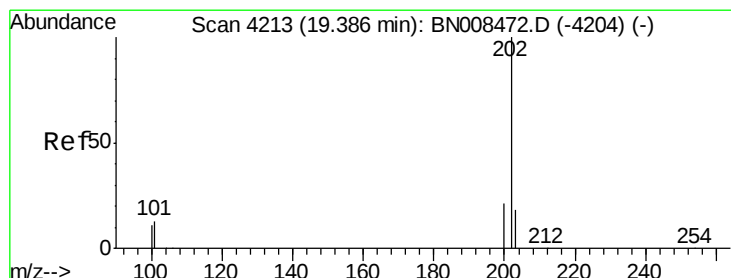
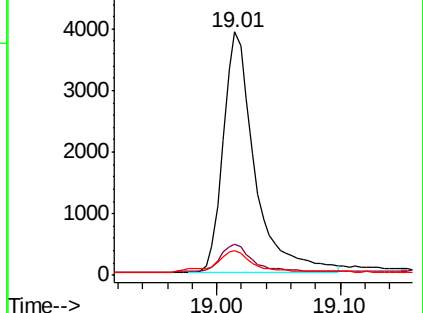
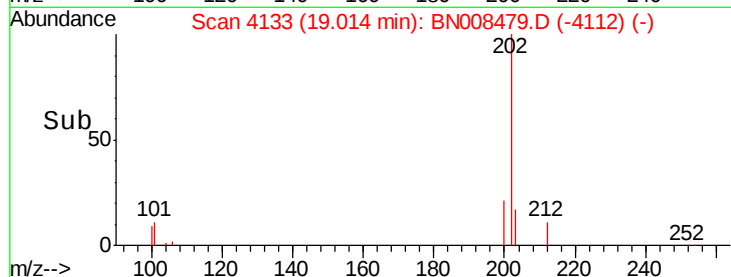
100 10.3 0.0 30.2



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: 0.421 ng/ul

RT: 19.38 min Scan# 4212

Delta R.T. -0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

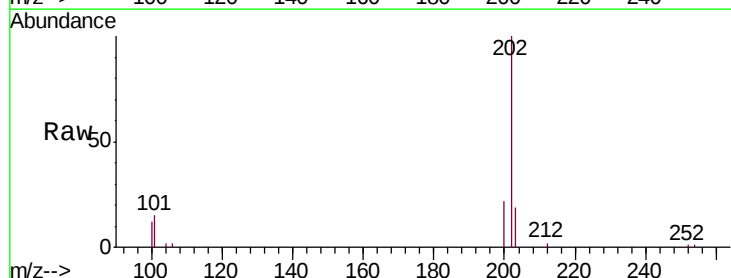
Tgt Ion:202 Resp: 7178

Ion Ratio Lower Upper

202 100

101 14.8 11.6 17.4

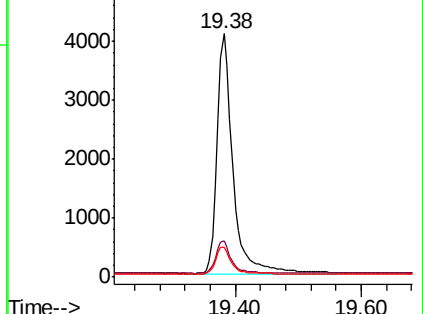
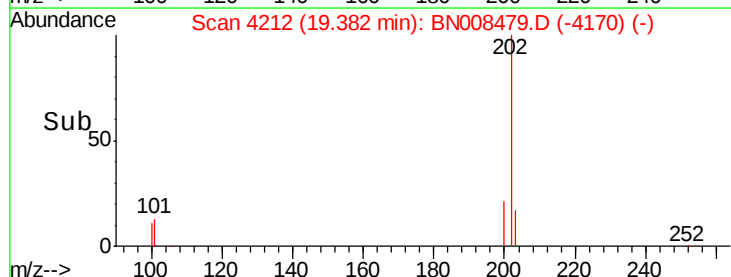
100 12.0 9.4 14.0

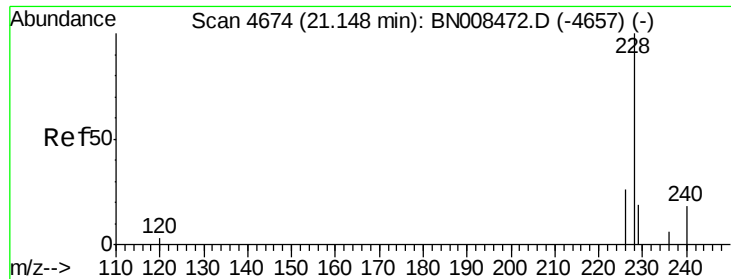


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.380 ng/ul

RT: 21.15 min Scan# 4673

Delta R.T. -0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

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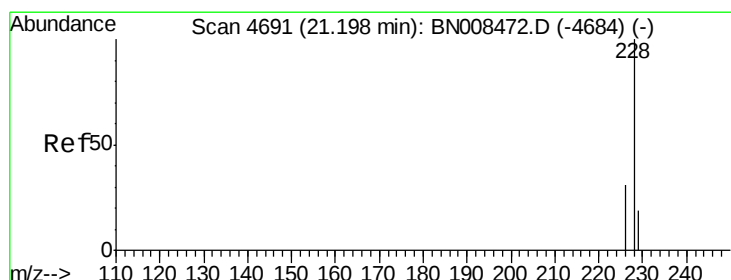
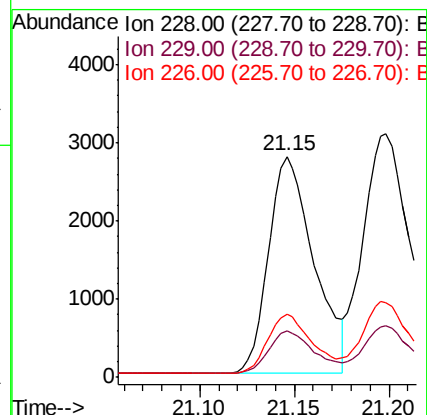
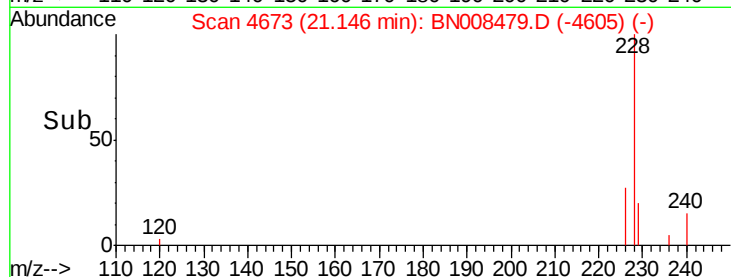
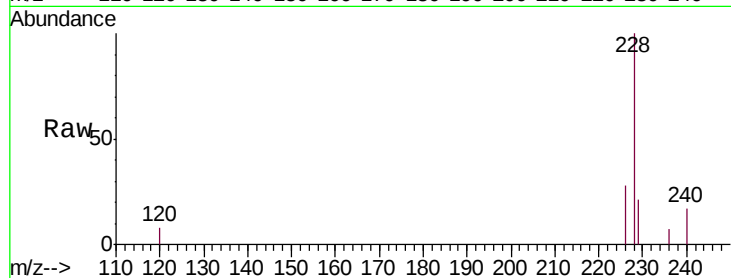
Tgt Ion:228 Resp: 4623

Ion Ratio Lower Upper

228 100

229 21.0 16.6 24.8

226 28.5 22.8 34.2



#19

Chrysene

Concen: 0.436 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. 0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

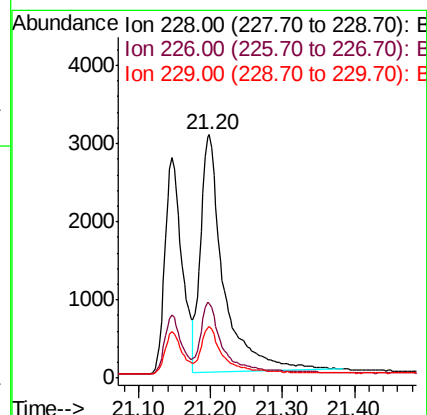
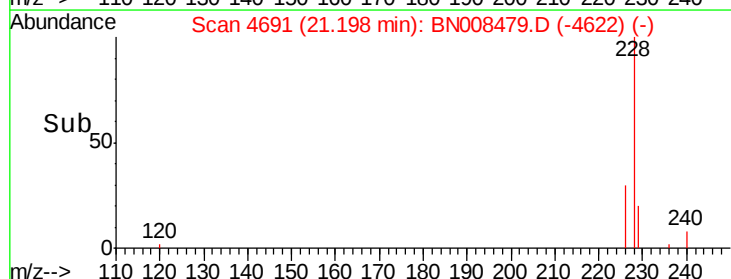
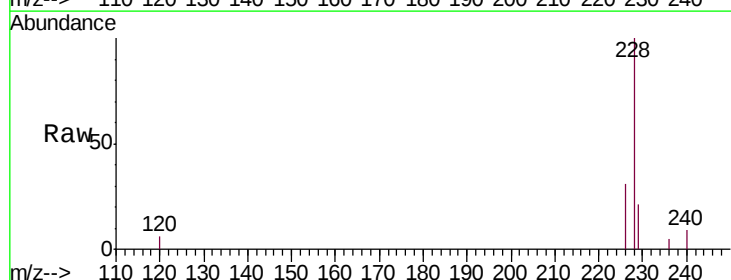
Tgt Ion:228 Resp: 6739

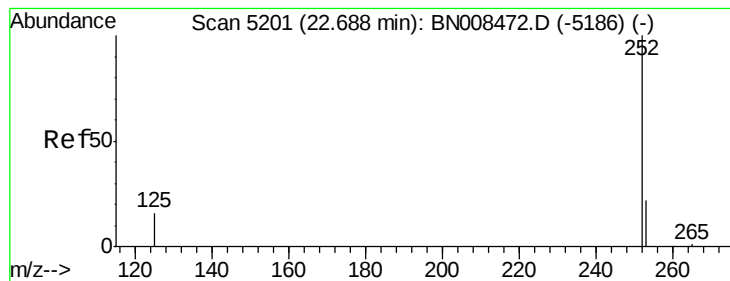
Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

229 21.2 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 0.388 ng/ul

RT: 22.69 min Scan# 5200

Delta R.T. -0.01 min

Lab File: BN008479.D

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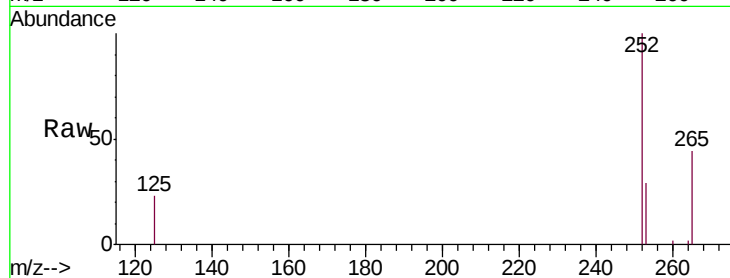
Tgt Ion:252 Resp: 5215

Ion Ratio Lower Upper

252 100

253 29.4 0.0 58.4

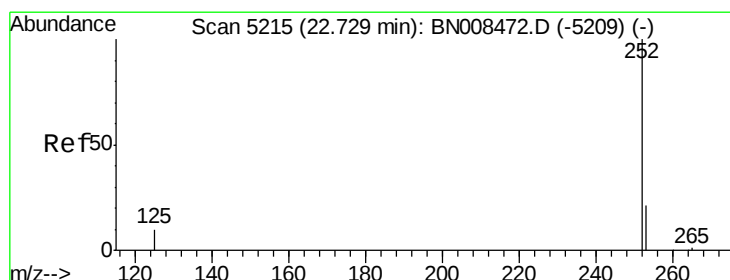
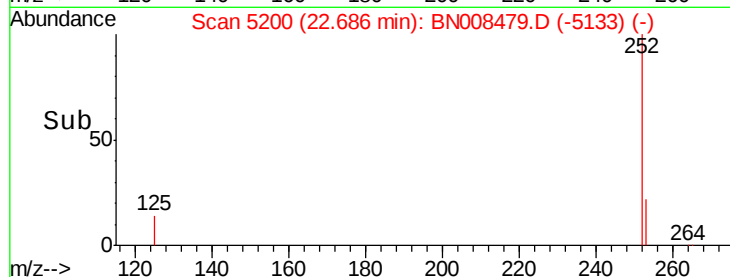
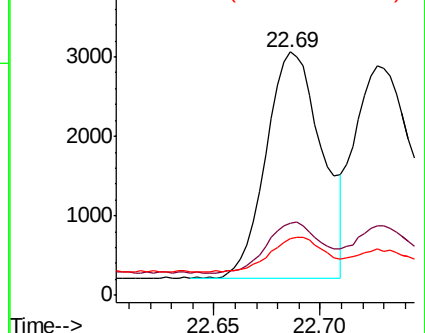
125 23.1 0.0 58.6



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



#22

Benzo(k)fluoranthene

Concen: 0.413 ng/ul

RT: 22.73 min Scan# 5214

Delta R.T. -0.01 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

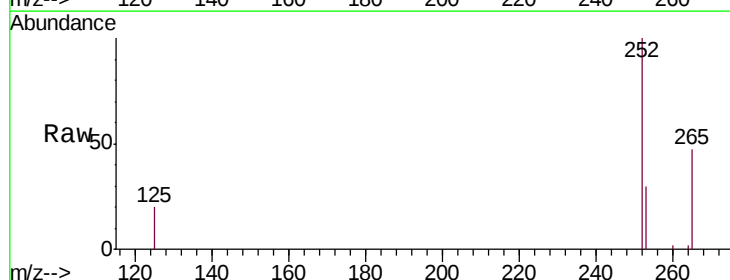
Tgt Ion:252 Resp: 6311

Ion Ratio Lower Upper

252 100

253 30.4 22.6 34.0

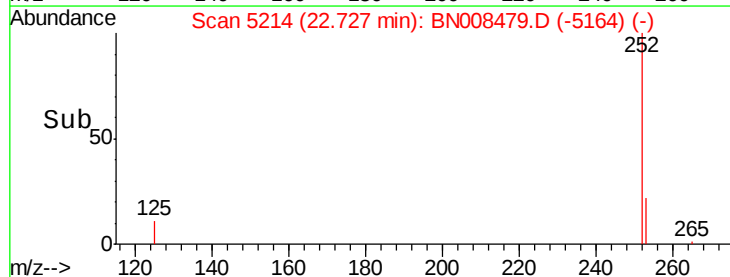
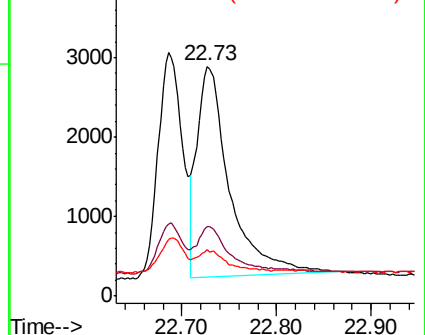
125 20.2 14.7 22.1

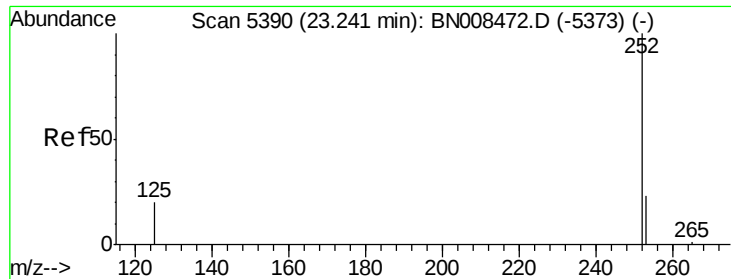


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 23.24 min Scan# 5390

Delta R.T. 0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

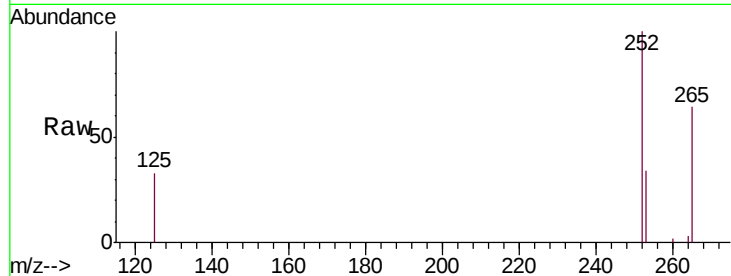
Tgt Ion:252 Resp: 5433

Ion Ratio Lower Upper

252 100

253 34.0 27.2 40.8

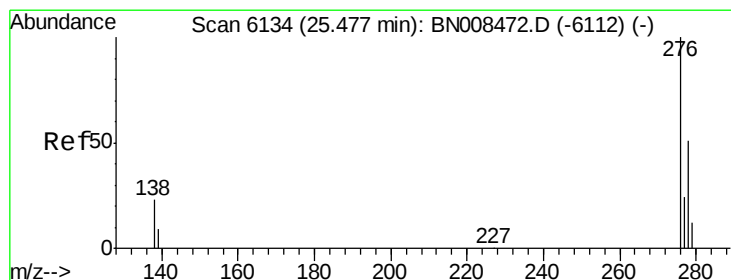
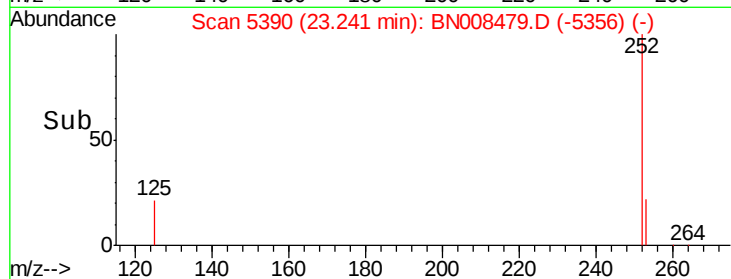
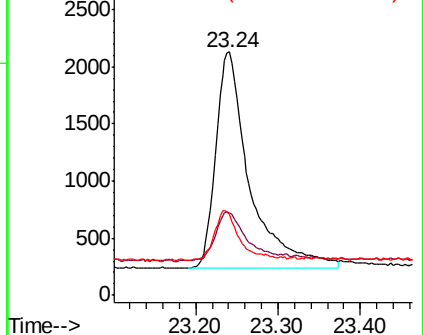
125 33.0 37.0 55.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.426 ng/ul

RT: 25.48 min Scan# 6135

Delta R.T. -0.00 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

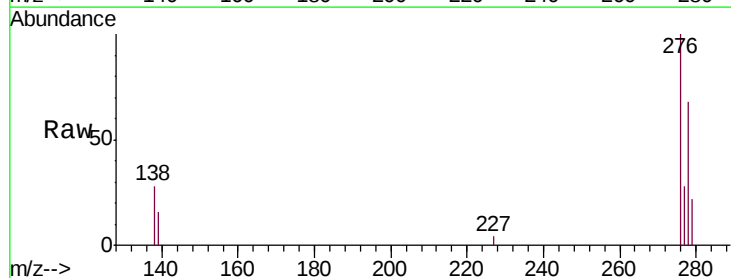
Tgt Ion:276 Resp: 6546

Ion Ratio Lower Upper

276 100

138 24.8 18.3 27.5

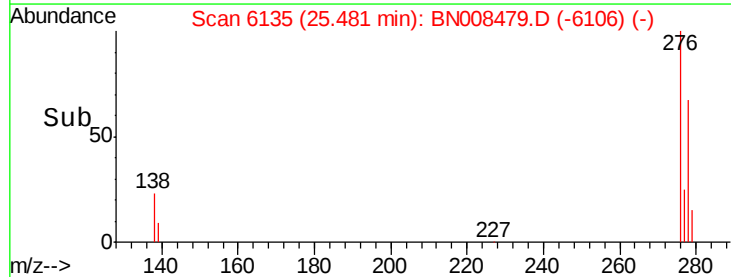
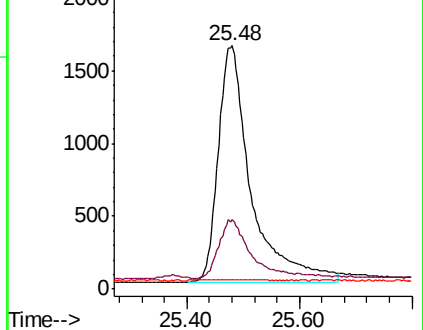
227 0.1 0.0 0.0#

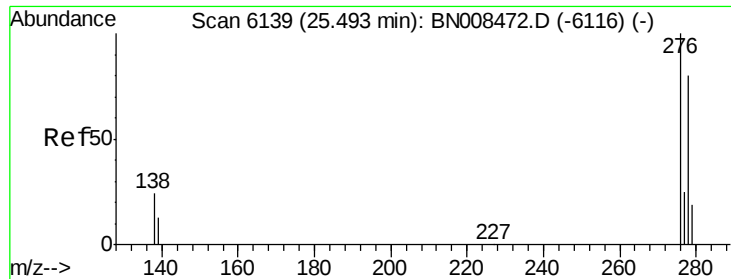


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.422 ng/ul

RT: 25.49 min Scan# 6137

Delta R.T. -0.01 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

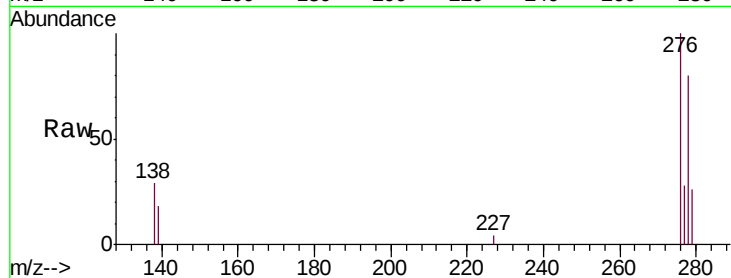
Tgt Ion:278 Resp: 5147

Ion Ratio Lower Upper

278 100

139 22.1 17.6 26.4

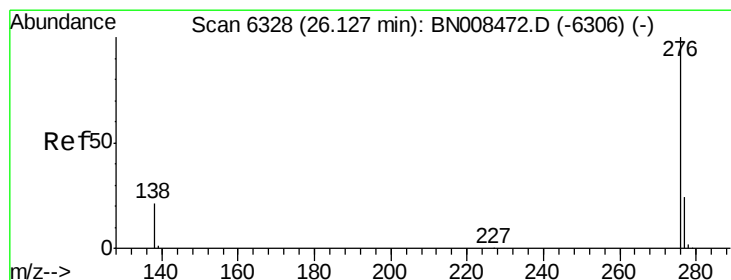
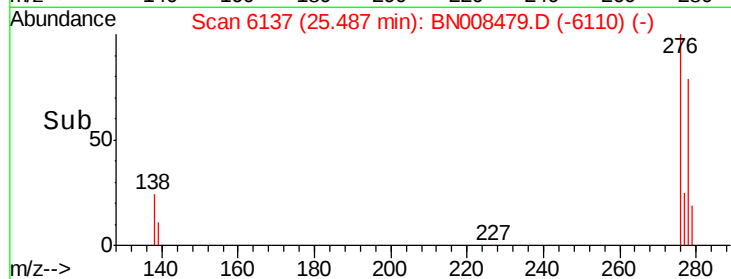
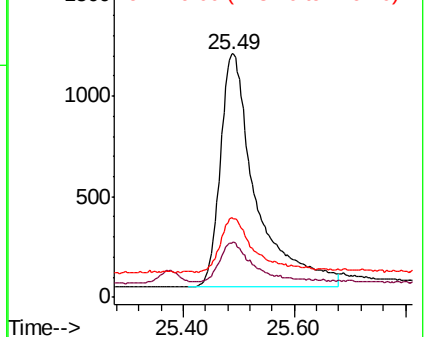
279 33.0 25.1 37.7



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: 0.440 ng/ul

RT: 26.12 min Scan# 6327

Delta R.T. -0.01 min

Lab File: BN008479.D

Acq: 07 Nov 2019 11:35

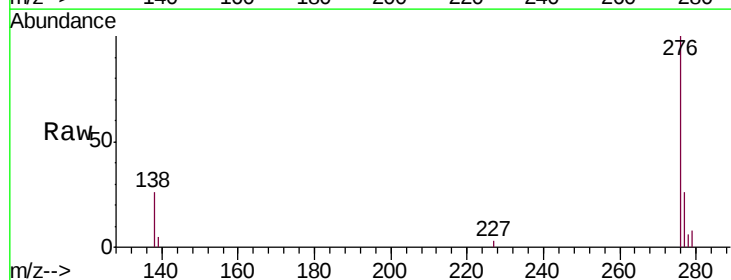
Tgt Ion:276 Resp: 6064

Ion Ratio Lower Upper

276 100

138 25.7 20.1 30.1

277 26.3 20.6 31.0



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

