

Data File : BN009109.D
Acq On : 24 Dec 2019 04:23
Operator : JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.421

Quant Time: Dec 24 05:32:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 02:43:36 2019
Response via : Initial Calibration

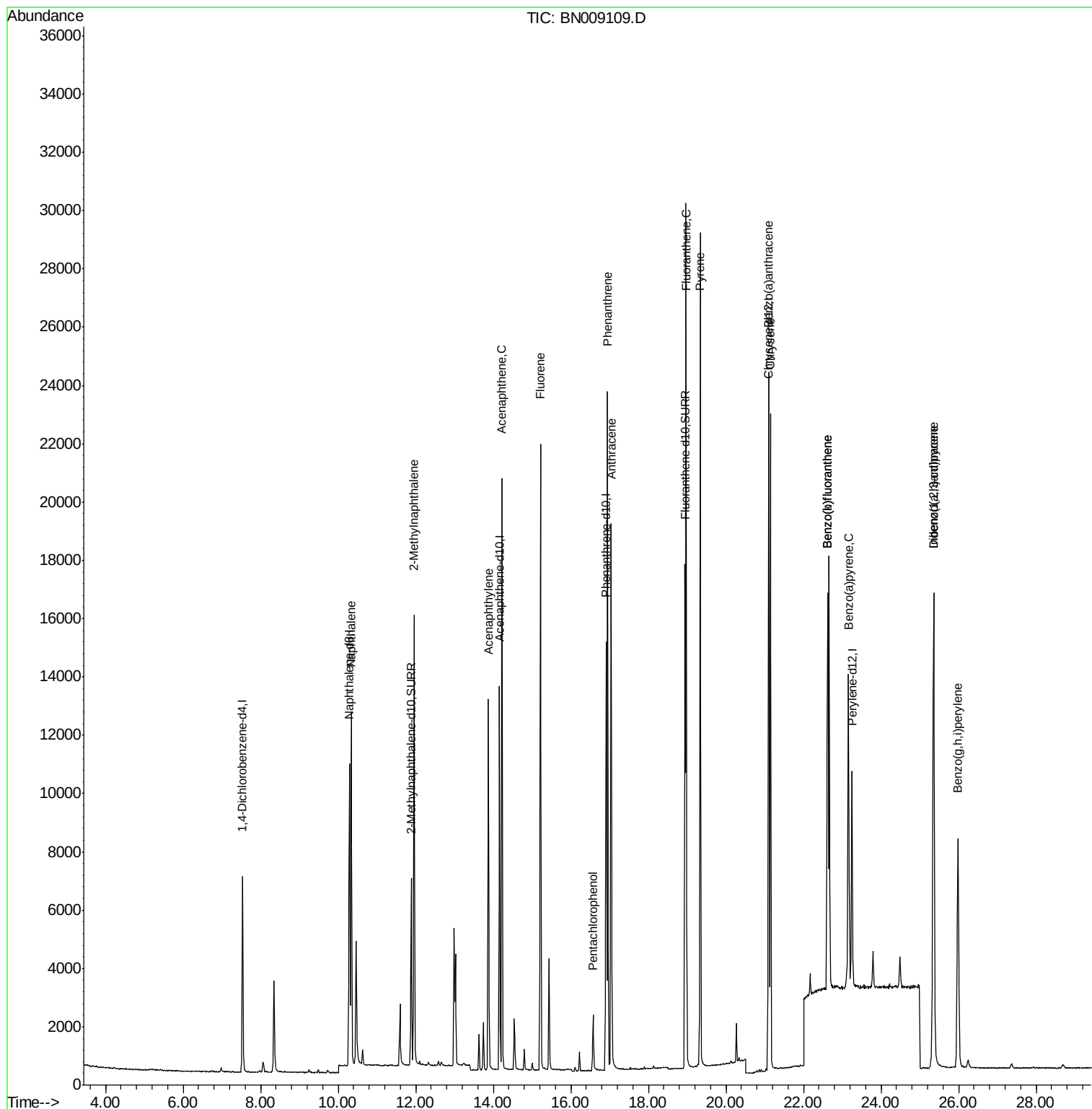
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	3456	0.40	ng/ul	0.00
2) Naphthalene-d8	10.28	136	12973	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.16	164	7201	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	16770	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	9882	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8921	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	8668	0.38	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	18455	0.37	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.33	128	16122	0.410	ng/ul	99
5) 2-Methylnaphthalene	11.96	142	11253	0.379	ng/ul	100
7) Acenaphthylene	13.88	152	14671	0.388	ng/ul	100
8) Acenaphthene	14.22	153	11477	0.387	ng/ul	99
9) Fluorene	15.22	166	13495	0.385	ng/ul	98
11) Pentachlorophenol	16.57	266	1429	0.320	ng/ul	99
12) Phenanthrene	16.95	178	23782	0.408	ng/ul	100
13) Anthracene	17.04	178	21001	0.402	ng/ul	99
15) Fluoranthene	18.97	202	24780	0.372	ng/ul	98
17) Pyrene	19.34	202	24142	0.479	ng/ul	100
18) Benzo(a)anthracene	21.10	228	18581	0.423	ng/ul	99
19) Chrysene	21.15	228	18660	0.423	ng/ul	99
21) Benzo(b)fluoranthene	22.62	252	16648	0.400	ng/ul	99
22) Benzo(k)fluoranthene	22.62	252	16648	0.396	ng/ul	99
23) Benzo(a)pyrene	23.16	252	15569	0.426	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.35	276	17828	0.448	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.36	278	14220	0.449	ng/ul	99
26) Benzo(g,h,i)perylene	25.98	276	15278	0.456	ng/ul	100

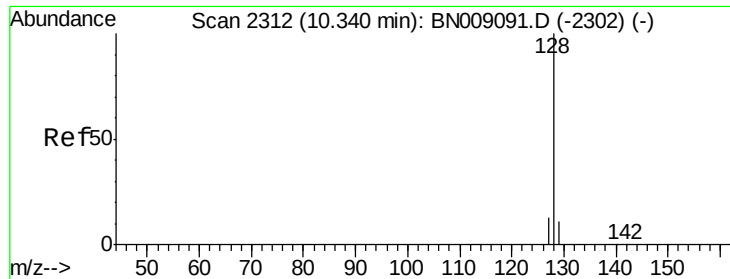
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.410 ng/ul

RT: 10.33 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.421

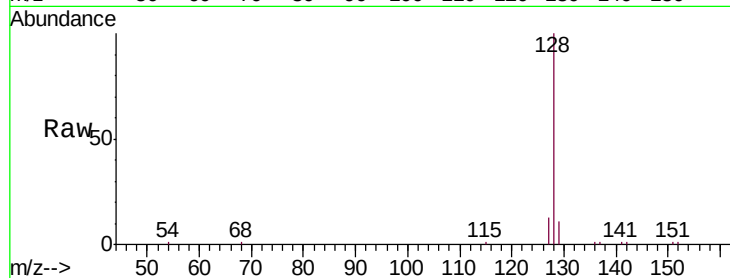
Tgt Ion:128 Resp: 16122

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

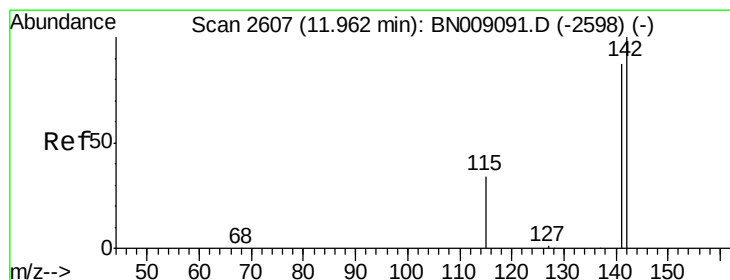
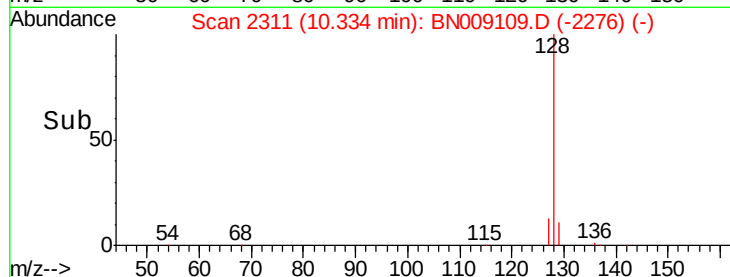
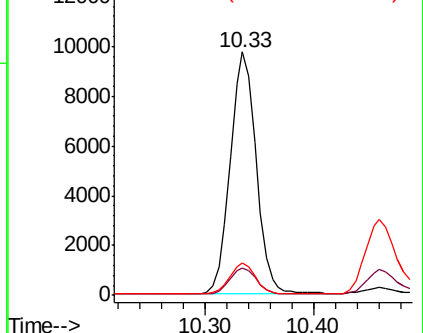
127 13.4 10.9 16.3



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: 0.379 ng/ul

RT: 11.96 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BN009109.D

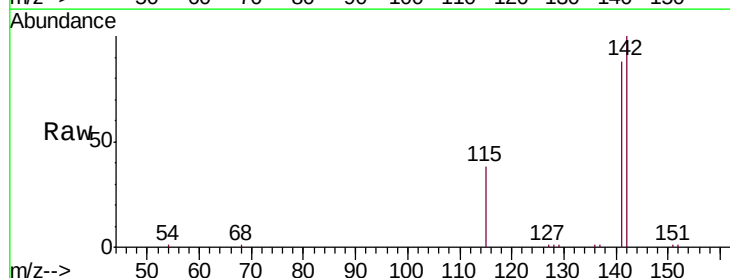
Acq: 24 Dec 2019 04:23

Tgt Ion:142 Resp: 11253

Ion Ratio Lower Upper

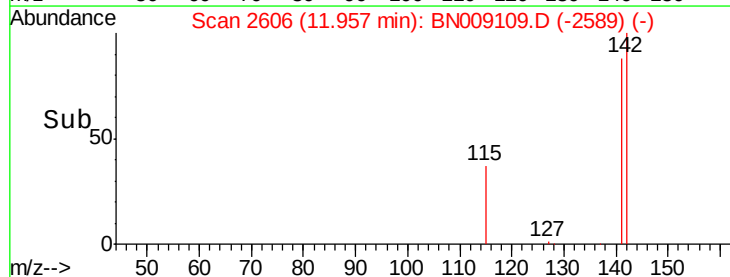
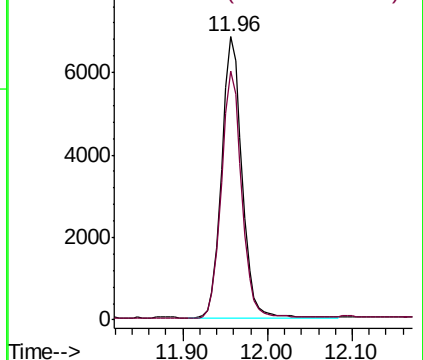
142 100

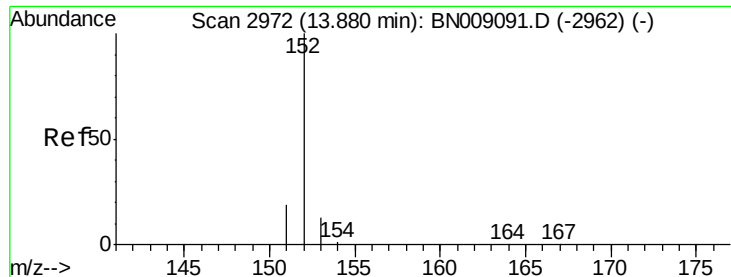
141 87.9 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.388 ng/ul

RT: 13.88 min Scan# 2971

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.421

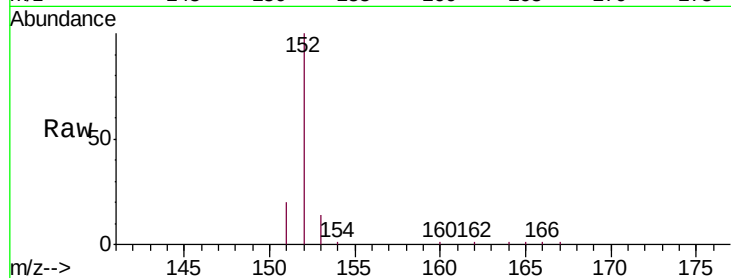
Tgt Ion:152 Resp: 14671

Ion Ratio Lower Upper

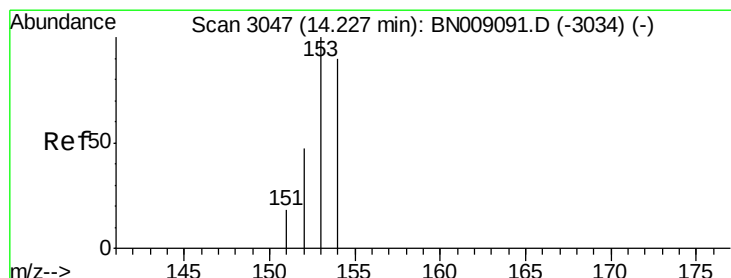
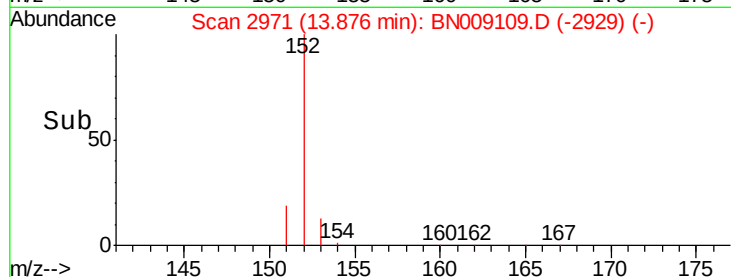
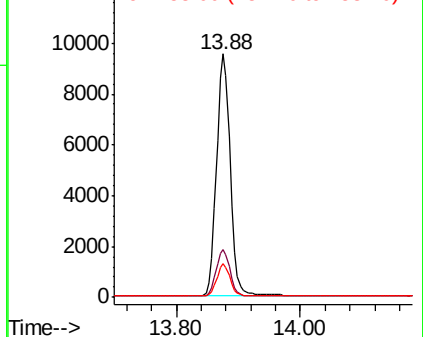
152 100

151 19.8 15.7 23.5

153 13.7 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: 0.387 ng/ul

RT: 14.22 min Scan# 3046

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

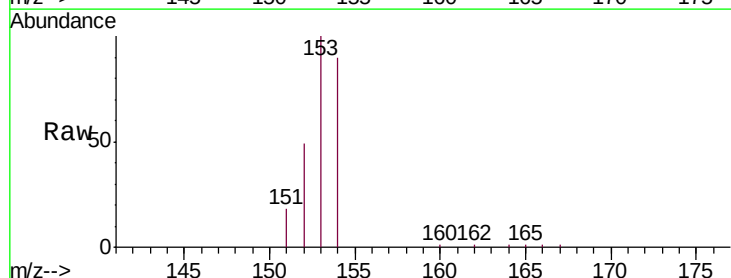
Tgt Ion:153 Resp: 11477

Ion Ratio Lower Upper

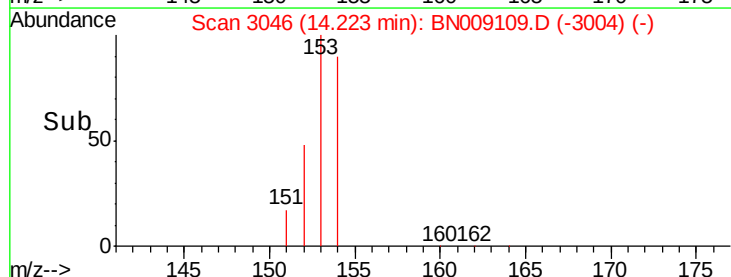
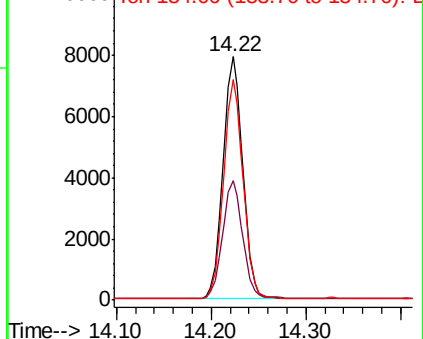
153 100

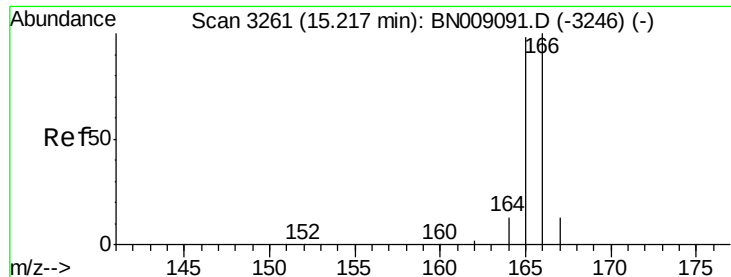
152 49.1 39.5 59.3

154 90.4 71.3 106.9



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

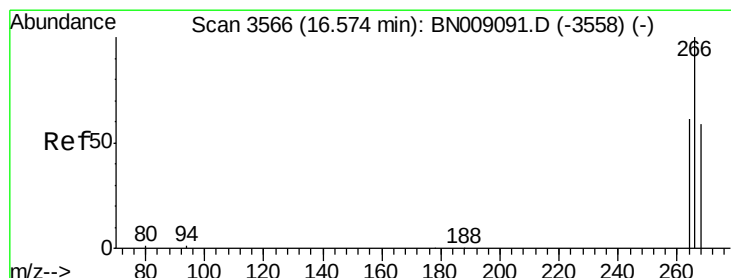
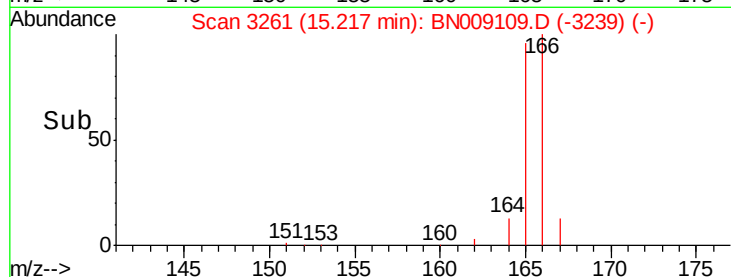
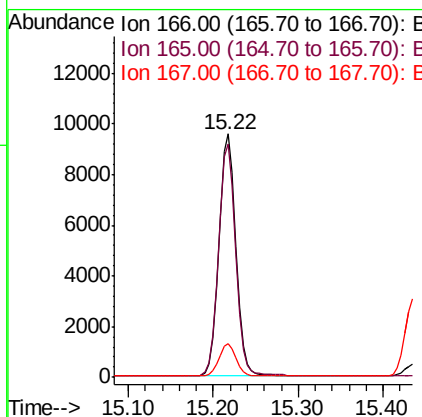
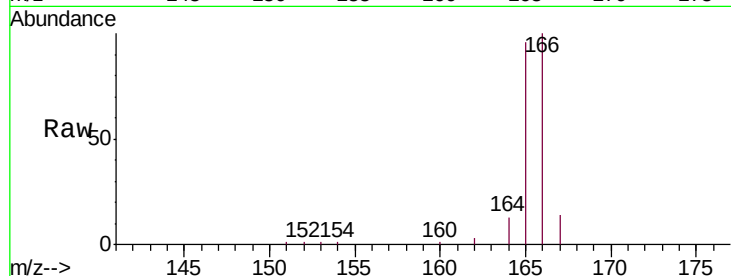




#9
Fluorene
 Concen: 0.385 ng/ul
 RT: 15.22 min Scan# 3261
 Delta R.T. -0.00 min
 Lab File: BN009109.D
 Acq: 24 Dec 2019 04:23

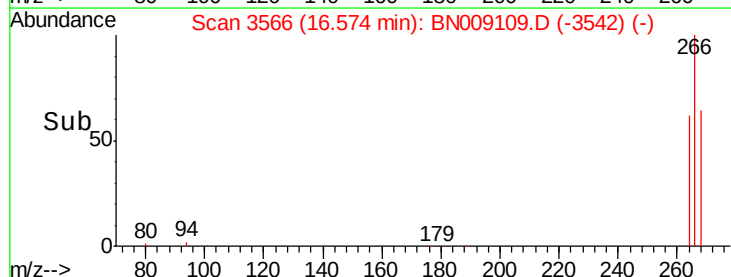
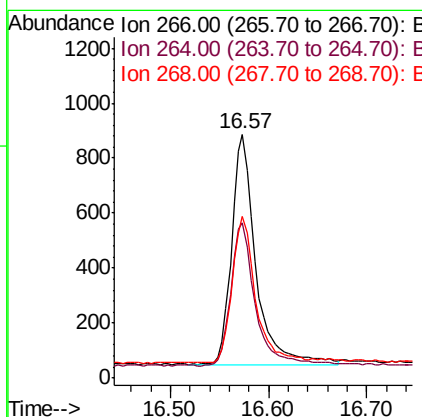
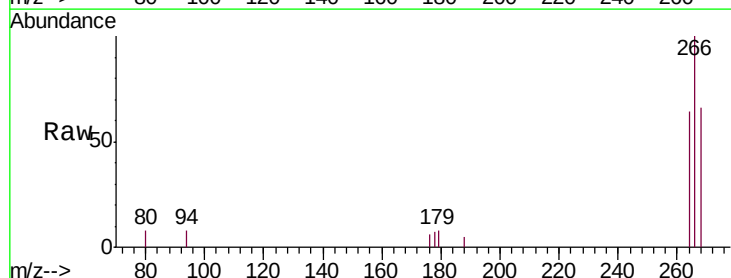
Instrument :
 BNA_N
 ClientSampleId :
 SST0.421

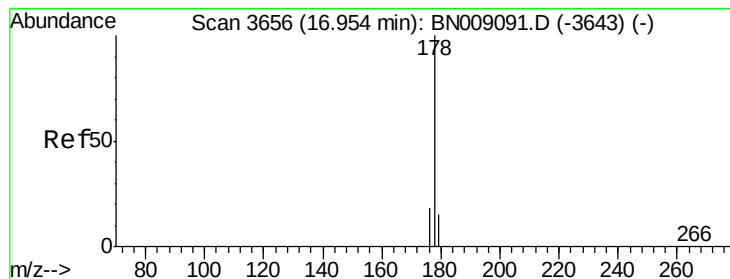
Tgt Ion:166 Resp: 13495
 Ion Ratio Lower Upper
 166 100
 165 95.6 78.2 117.4
 167 13.8 11.0 16.6



#11
Pentachlorophenol
 Concen: 0.320 ng/ul
 RT: 16.57 min Scan# 3566
 Delta R.T. -0.00 min
 Lab File: BN009109.D
 Acq: 24 Dec 2019 04:23

Tgt Ion:266 Resp: 1429
 Ion Ratio Lower Upper
 266 100
 264 63.2 49.9 74.9
 268 64.2 52.1 78.1





#12

Phenanthrene

Concen: 0.408 ng/ul

RT: 16.95 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.421

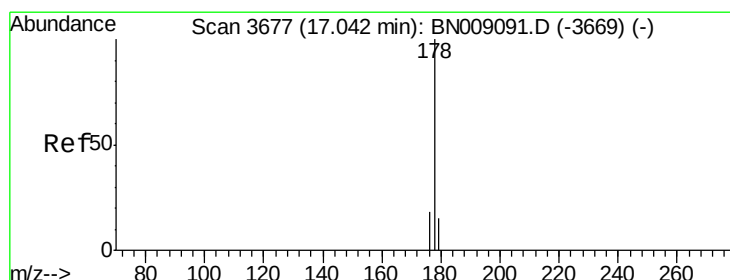
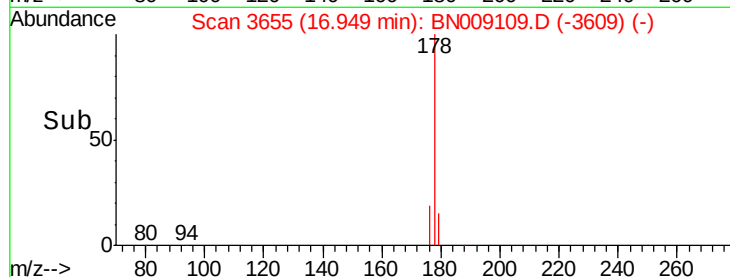
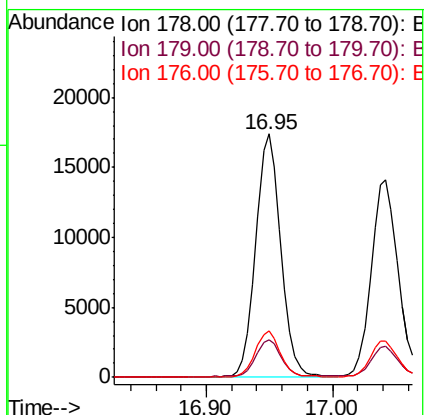
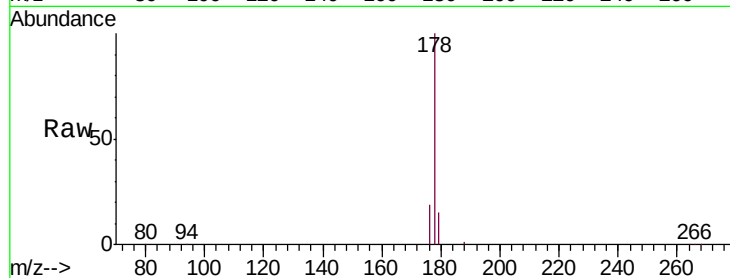
Tgt Ion:178 Resp: 23782

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 18.9 15.1 22.7



#13

Anthracene

Concen: 0.402 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

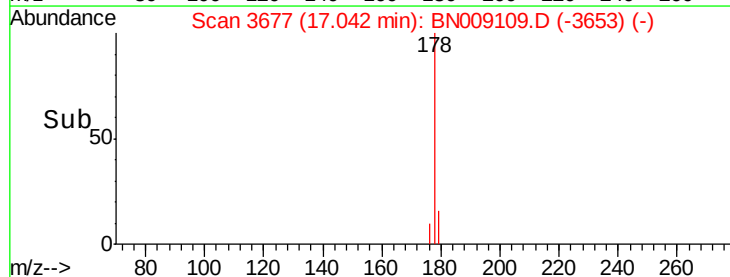
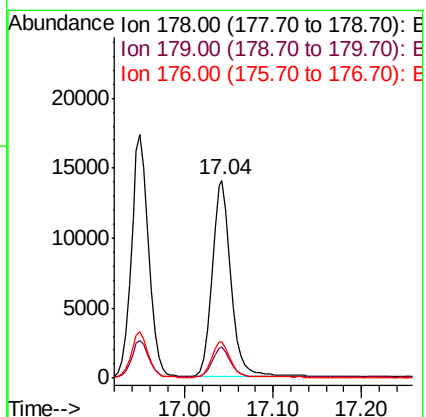
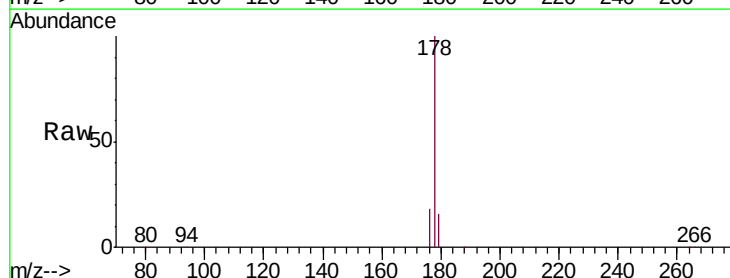
Tgt Ion:178 Resp: 21001

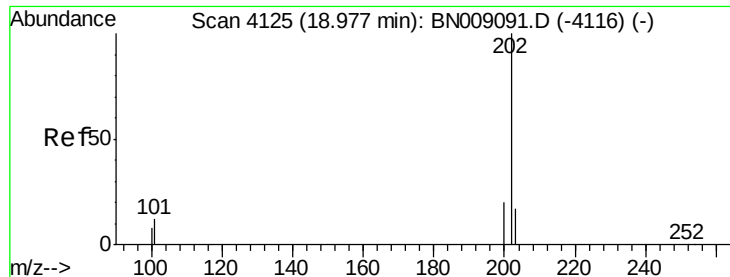
Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 18.2 14.9 22.3





#15

Fluoranthene

Concen: 0.372 ng/ul

RT: 18.97 min Scan# 4124

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.421

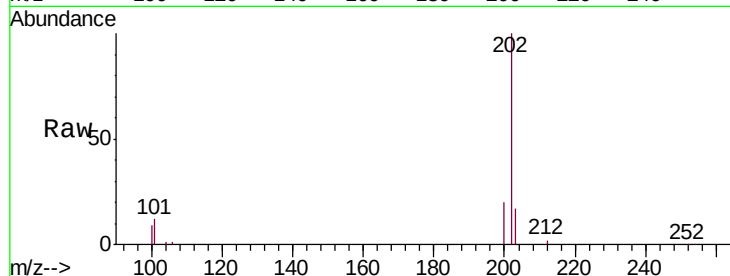
Tgt Ion:202 Resp: 24780

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.5

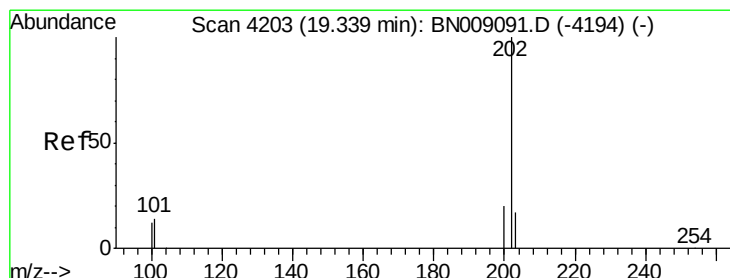
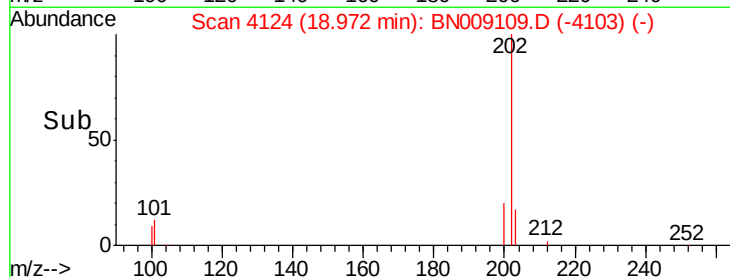
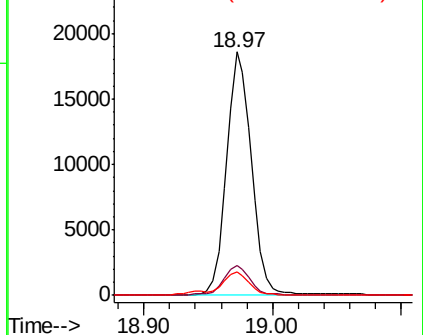
100 9.5 0.0 28.9



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: 0.479 ng/ul

RT: 19.34 min Scan# 4203

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

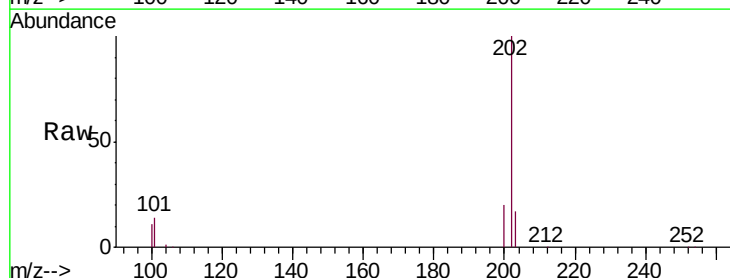
Tgt Ion:202 Resp: 24142

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

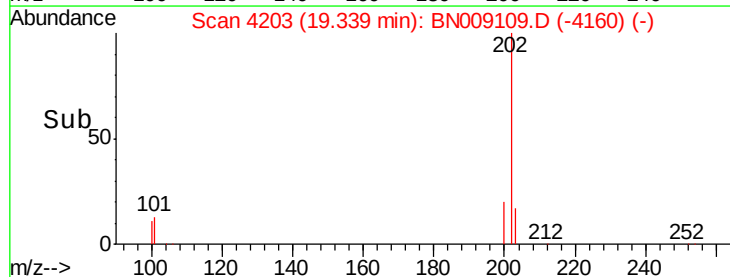
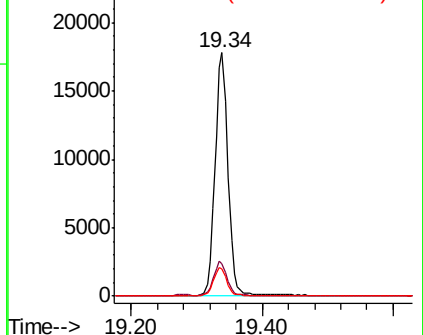
100 11.0 9.0 13.6

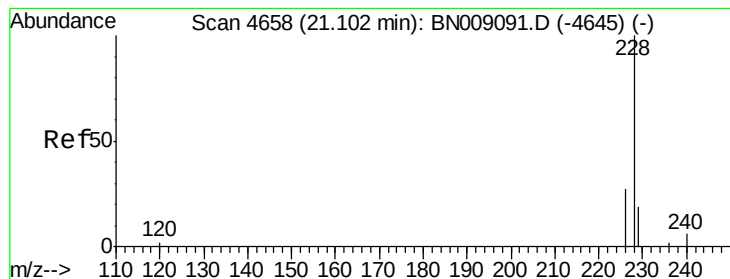


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.423 ng/ul

RT: 21.10 min Scan# 4657

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

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SSTD0.421

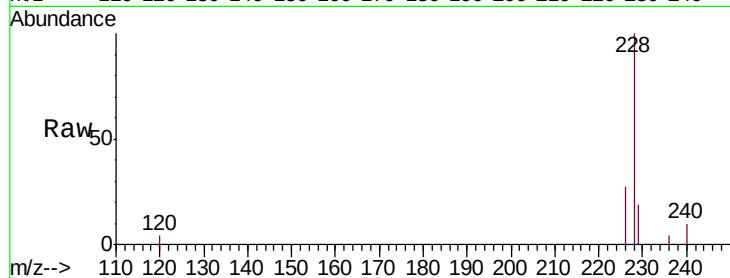
Tgt Ion:228 Resp: 18581

Ion Ratio Lower Upper

228 100

229 19.4 15.5 23.3

226 26.6 21.7 32.5

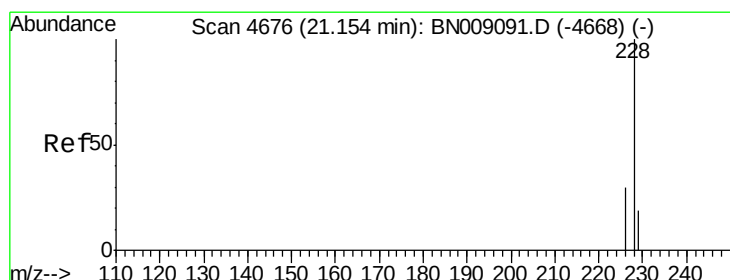
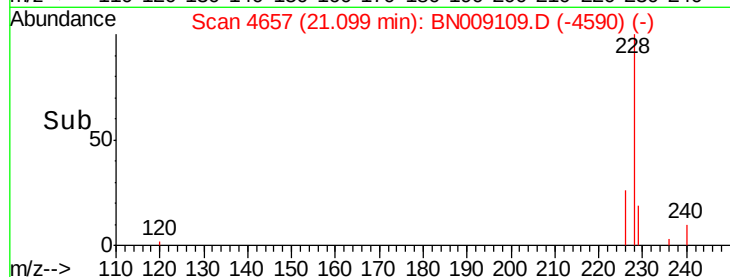
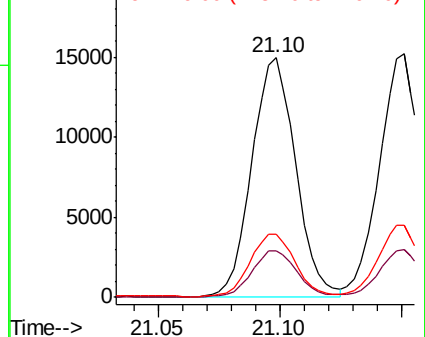


Abundance

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: 0.423 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.00 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

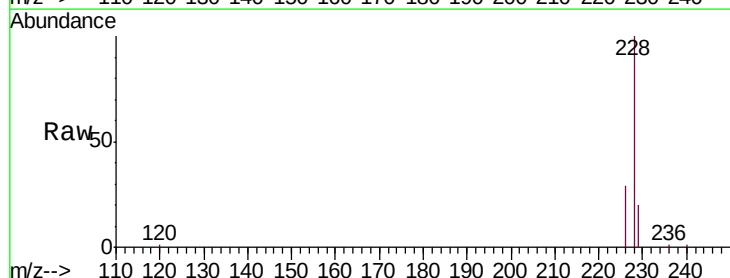
Tgt Ion:228 Resp: 18660

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.6 15.4 23.0

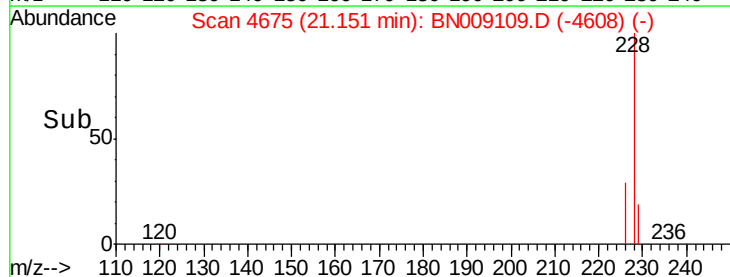
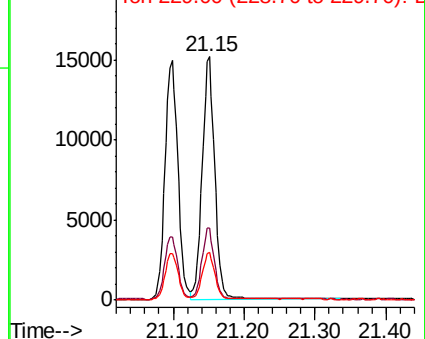


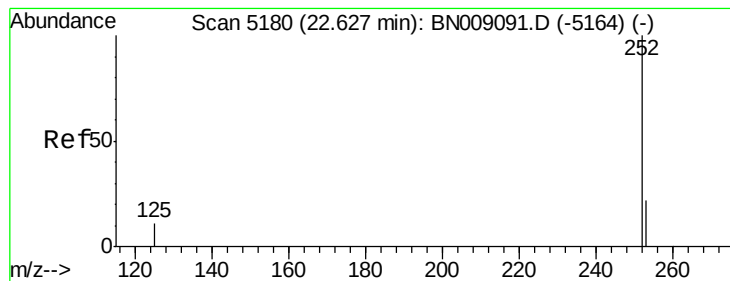
Abundance

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: 0.400 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.01 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.421

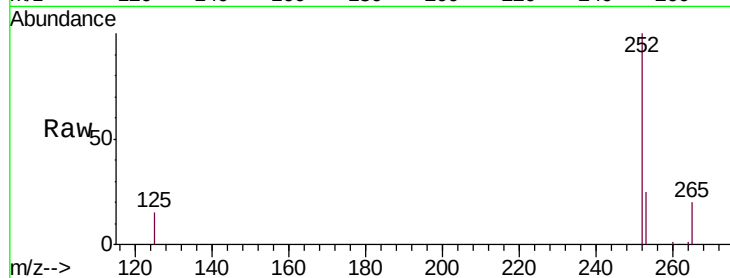
Tgt Ion:252 Resp: 16648

Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.2

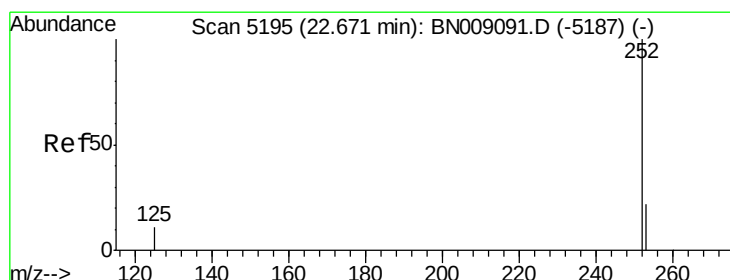
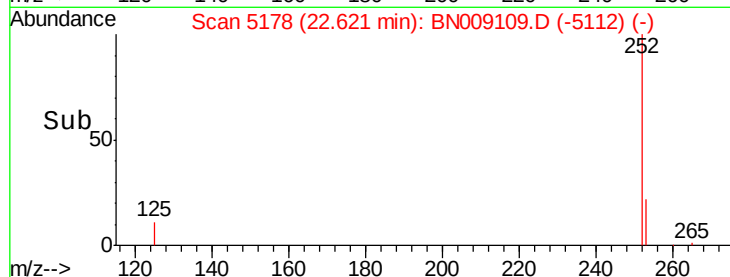
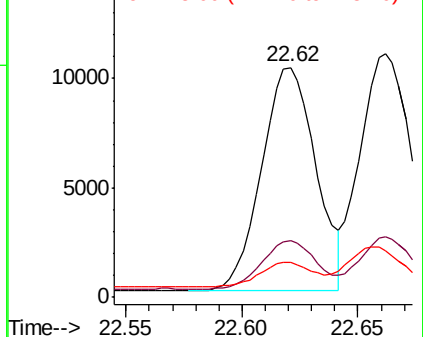
125 15.3 0.0 30.0



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: 0.396 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.05 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

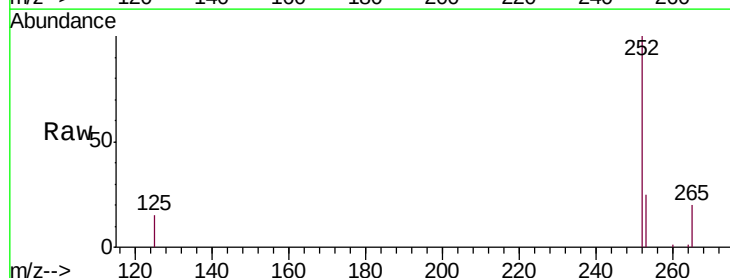
Tgt Ion:252 Resp: 16648

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.0

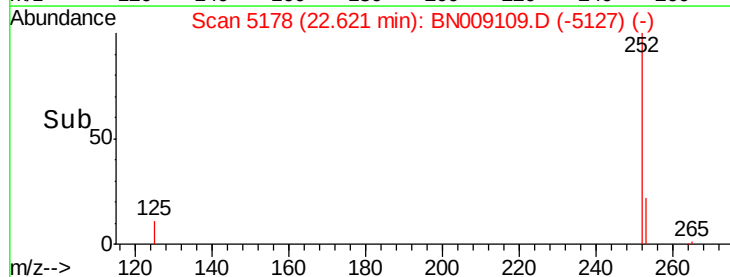
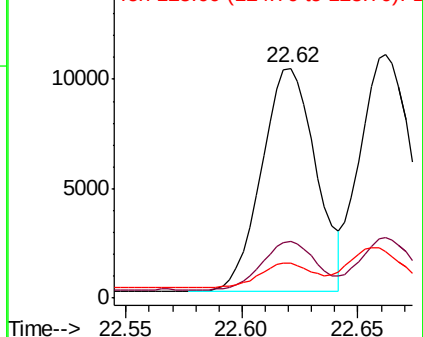
125 15.3 12.4 18.6

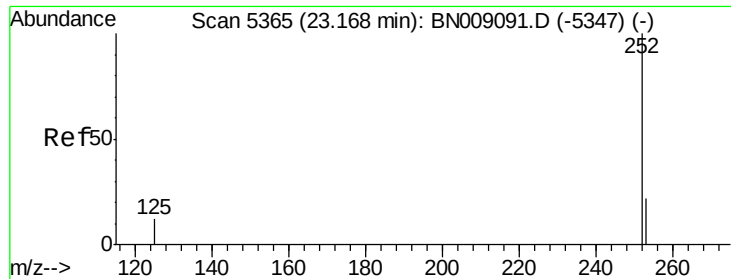


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.426 ng/ul

RT: 23.16 min Scan# 5362

Delta R.T. -0.01 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.421

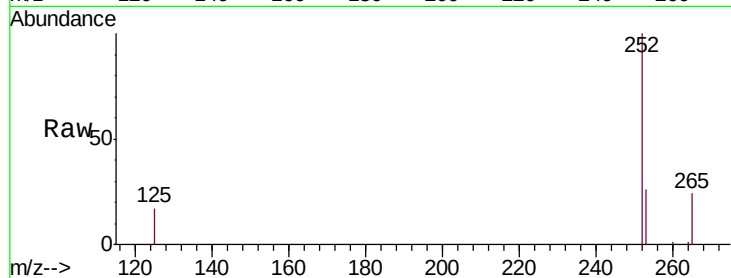
Tgt Ion:252 Resp: 15569

Ion Ratio Lower Upper

252 100

253 25.9 20.2 30.4

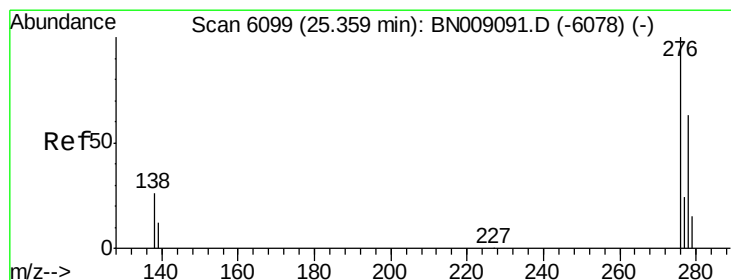
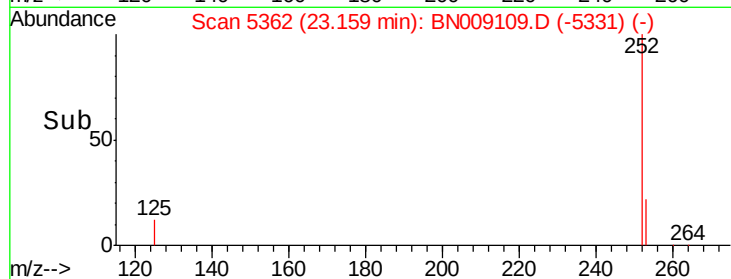
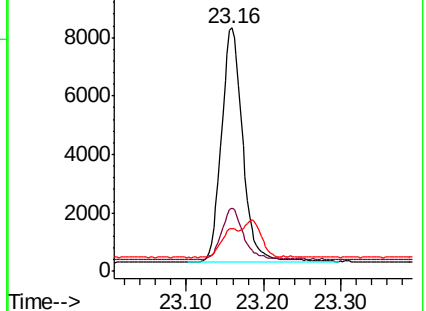
125 17.4 13.2 19.8



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: 0.448 ng/ul

RT: 25.35 min Scan# 6096

Delta R.T. -0.01 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

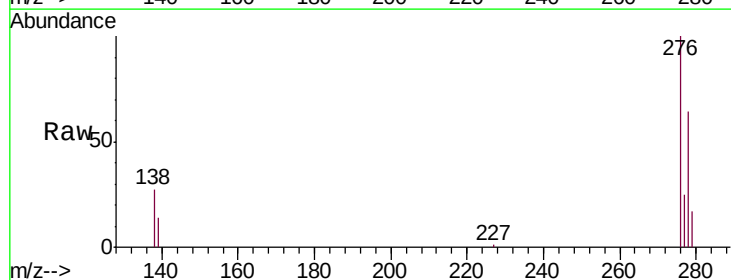
Tgt Ion:276 Resp: 17828

Ion Ratio Lower Upper

276 100

138 28.6 22.4 33.6

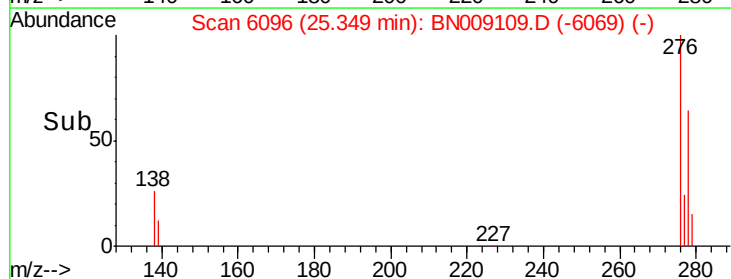
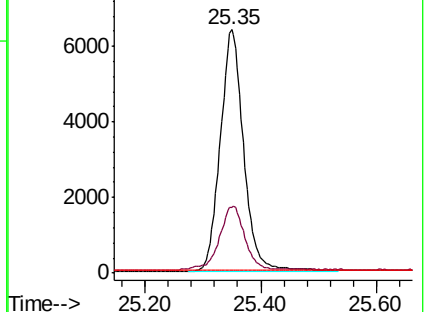
227 0.2 0.2 0.4#

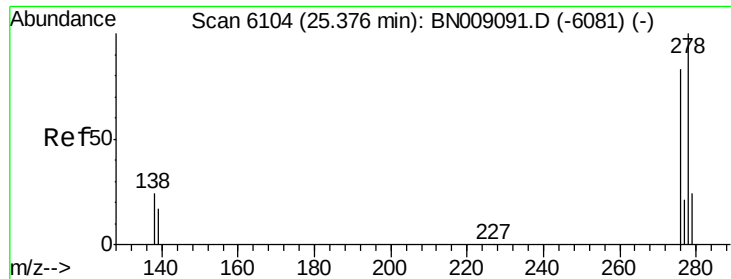


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.449 ng/ul

RT: 25.36 min Scan# 6099

Delta R.T. -0.02 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.421

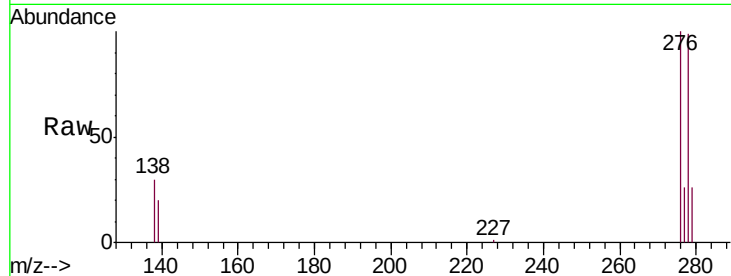
Tgt Ion:278 Resp: 14220

Ion Ratio Lower Upper

278 100

139 20.2 16.2 24.2

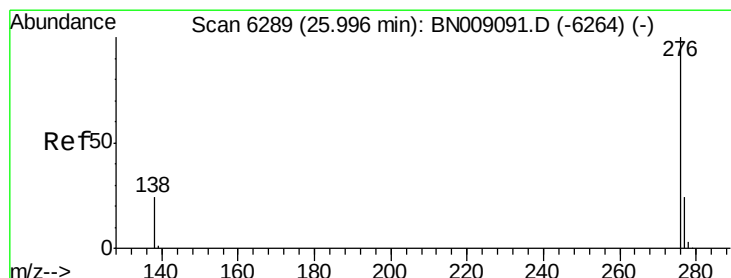
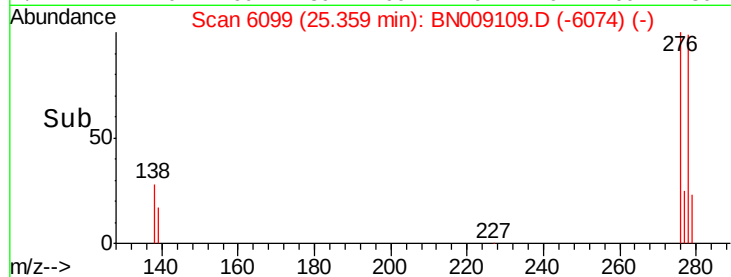
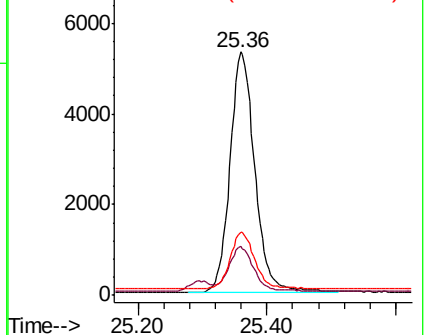
279 25.9 20.3 30.5



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: 0.456 ng/ul

RT: 25.98 min Scan# 6285

Delta R.T. -0.01 min

Lab File: BN009109.D

Acq: 24 Dec 2019 04:23

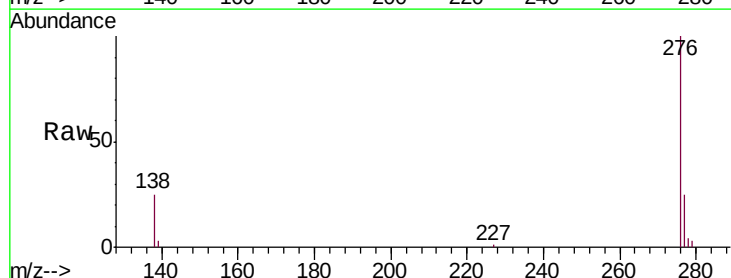
Tgt Ion:276 Resp: 15278

Ion Ratio Lower Upper

276 100

138 25.4 20.6 30.8

277 24.6 19.6 29.4



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

