

Data File : BN009271.D
Acq On : 30 Dec 2019 21:54
Operator : JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.403

Quant Time: Dec 31 01:04:37 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 31 00:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2106	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7445	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	3742	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	7102	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	5514	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	5657	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	4776	0.36	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	8128	0.39	ng/ul	0.00

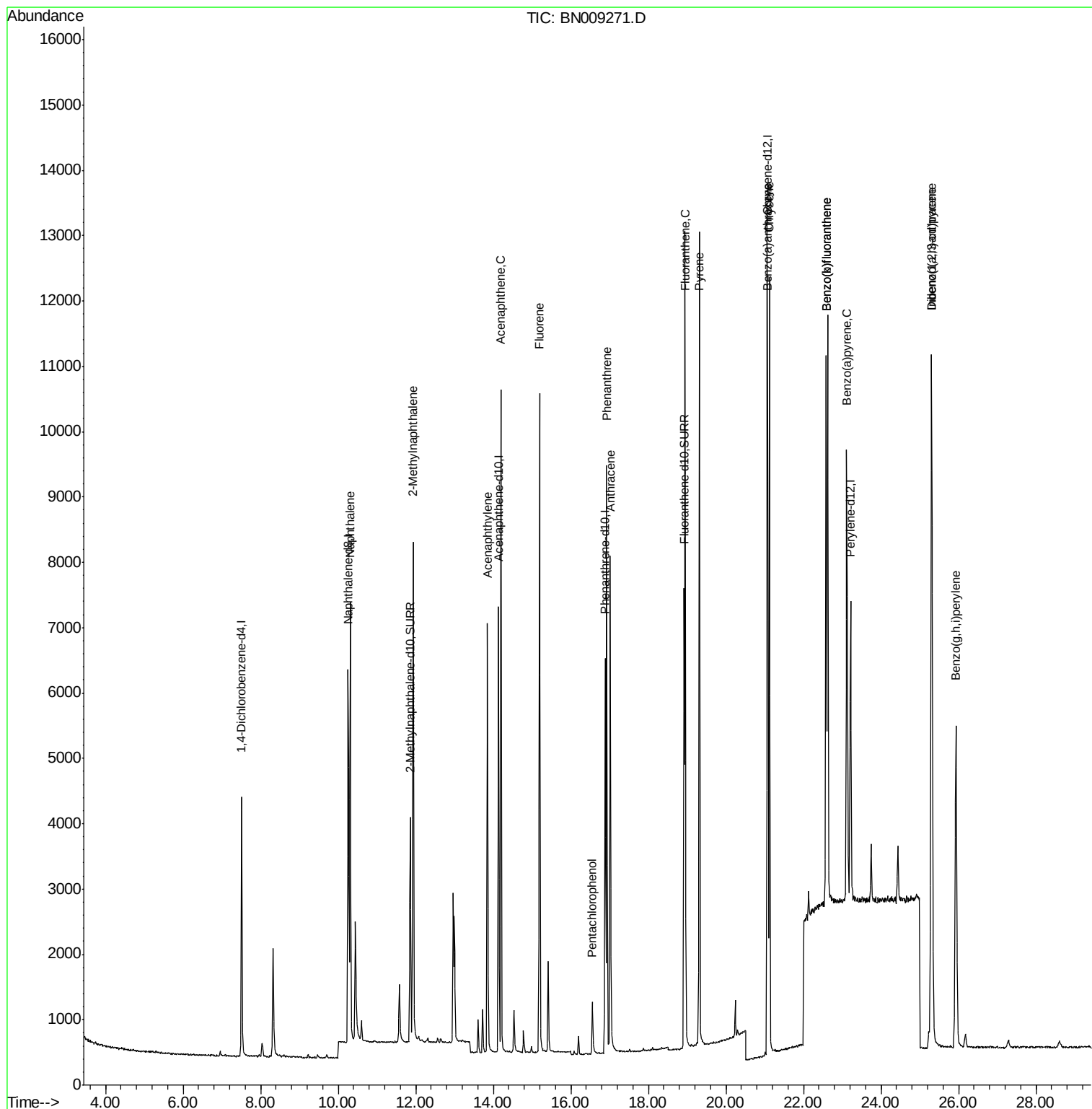
Target Compounds				Qvalue		
3) Naphthalene	10.31	128	9147	0.405	ng/ul	99
5) 2-Methylnaphthalene	11.93	142	6097	0.357	ng/ul	100
7) Acenaphthylene	13.85	152	7771	0.395	ng/ul	98
8) Acenaphthene	14.19	153	5895	0.382	ng/ul	99
9) Fluorene	15.19	166	6451	0.354	ng/ul	99
11) Pentachlorophenol	16.56	266	694	0.367	ng/ul	99
12) Phenanthrene	16.92	178	9864	0.399	ng/ul	99
13) Anthracene	17.02	178	8888	0.401	ng/ul	99
15) Fluoranthene	18.95	202	10793	0.382	ng/ul	97
17) Pyrene	19.31	202	10864	0.386	ng/ul	98
18) Benzo(a)anthracene	21.07	228	9944	0.406	ng/ul	99
19) Chrysene	21.12	228	10192	0.414	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	10063	0.381	ng/ul	96
22) Benzo(k)fluoranthene	22.58	252	10063	0.378	ng/ul	97
23) Benzo(a)pyrene	23.12	252	9719	0.420	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.30	276	11437	0.454	ng/ul	96
25) Dibenzo(a,h)anthracene	25.31	278	9169	0.457	ng/ul	98
26) Benzo(g,h,i)perylene	25.93	276	9861	0.464	ng/ul	99

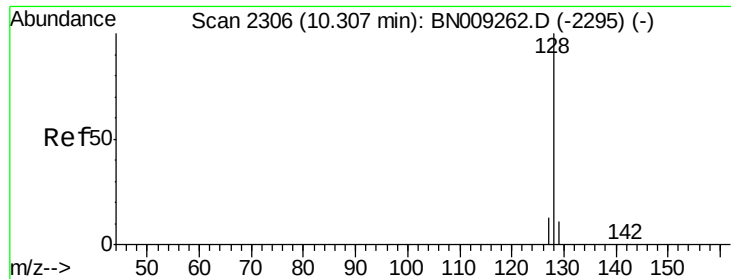
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. -0.00 min

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Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.403

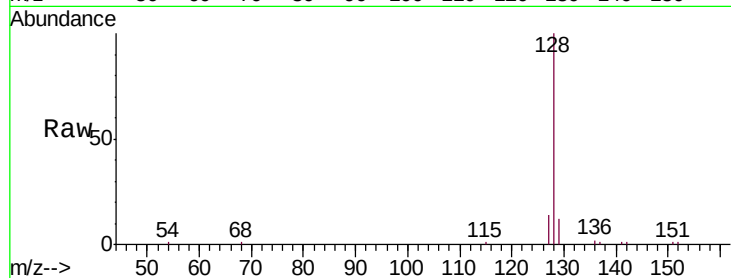
Tgt Ion:128 Resp: 9147

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.4

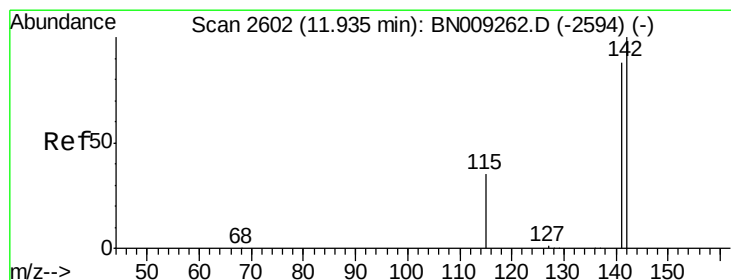
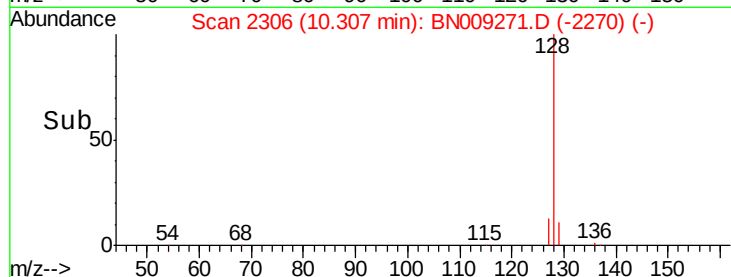
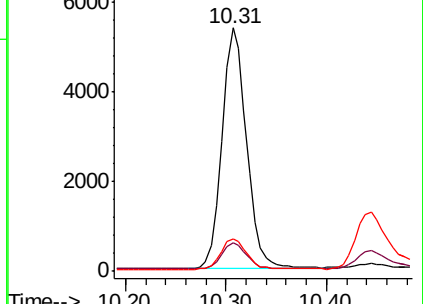
127 13.5 10.9 16.3



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: 0.357 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN009271.D

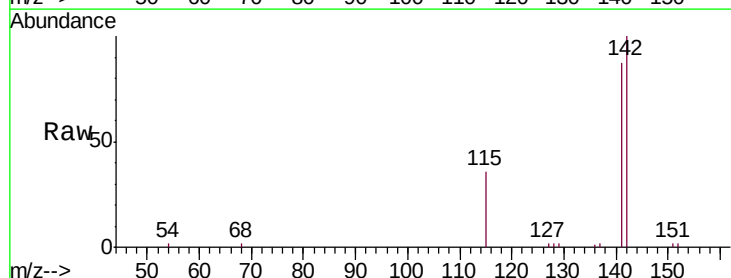
Acq: 30 Dec 2019 21:54

Tgt Ion:142 Resp: 6097

Ion Ratio Lower Upper

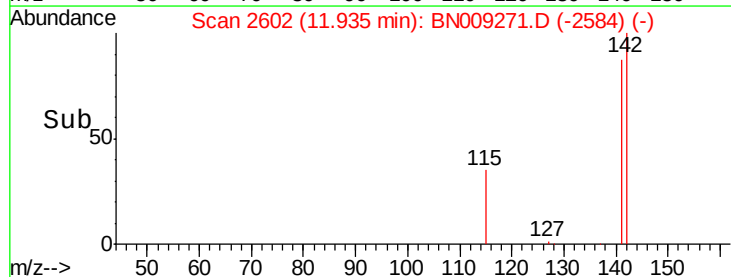
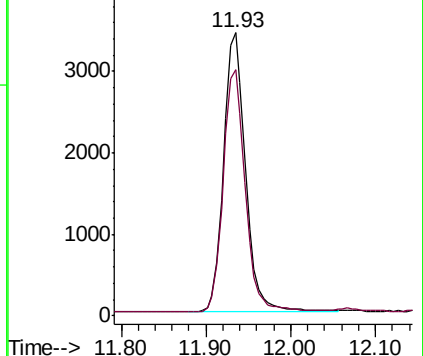
142 100

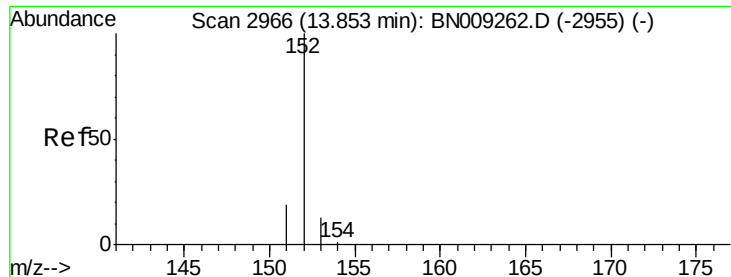
141 87.8 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.395 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.403

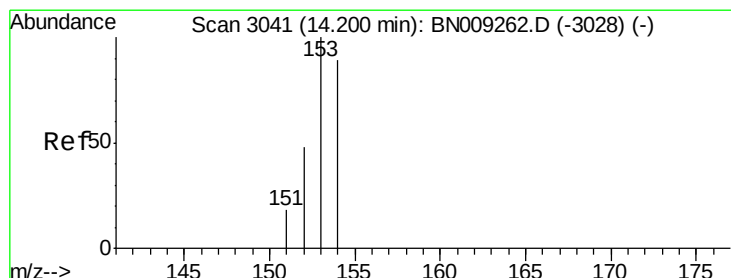
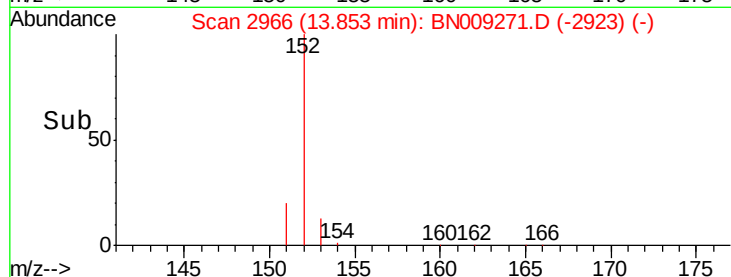
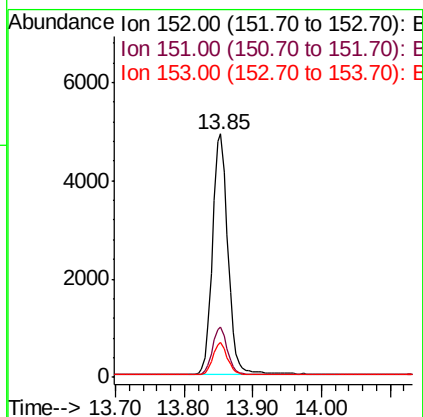
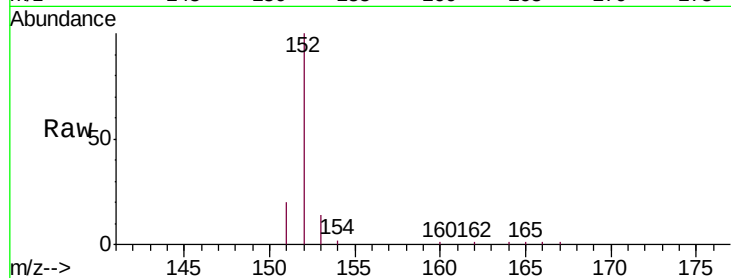
Tgt Ion:152 Resp: 7771

Ion Ratio Lower Upper

152 100

151 20.5 15.7 23.5

153 14.3 10.8 16.2



#8

Acenaphthene

Concen: 0.382 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

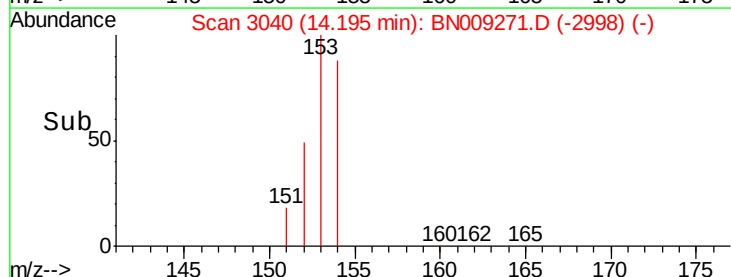
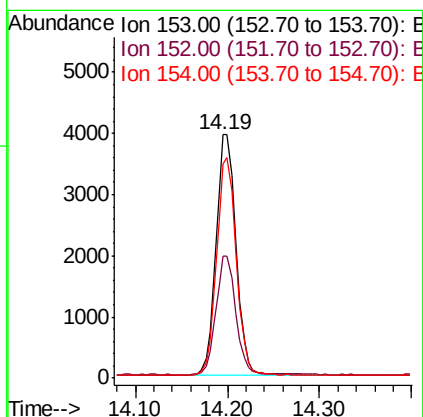
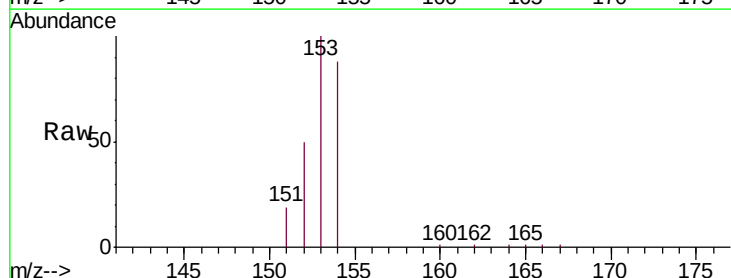
Tgt Ion:153 Resp: 5895

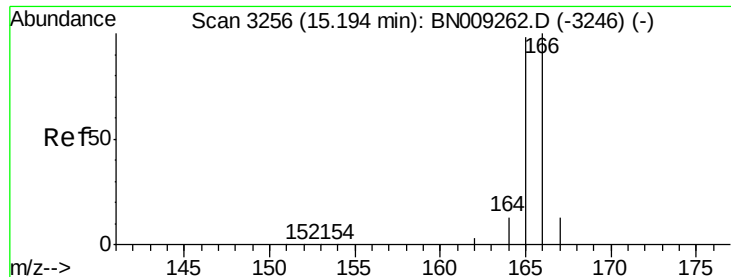
Ion Ratio Lower Upper

153 100

152 50.1 39.5 59.3

154 87.9 71.3 106.9





#9

Fluorene

Concen: 0.354 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.403

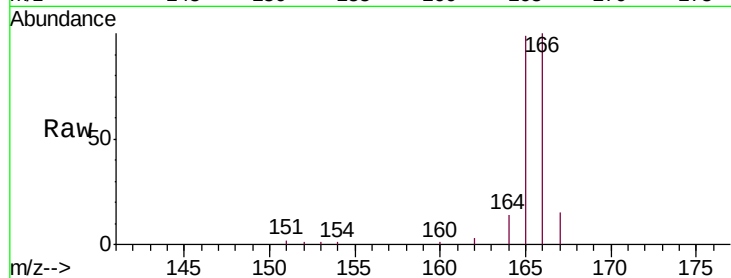
Tgt Ion:166 Resp: 6451

Ion Ratio Lower Upper

166 100

165 98.9 78.2 117.4

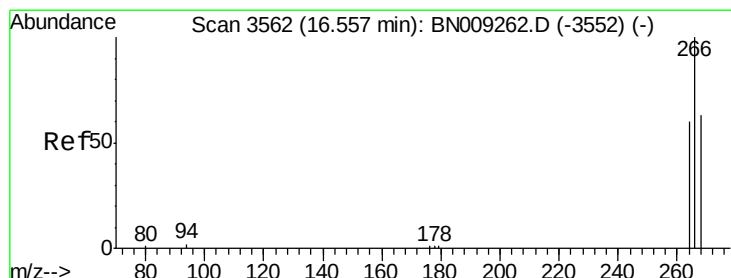
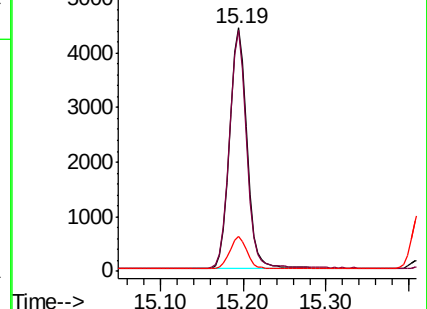
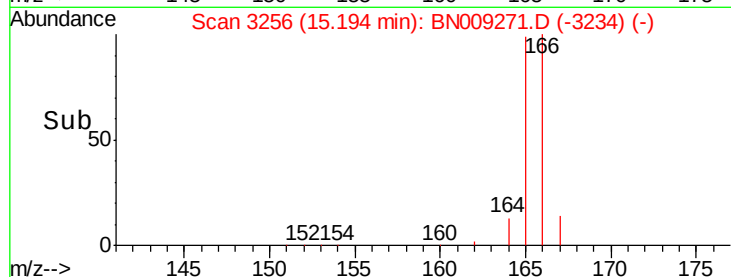
167 14.5 11.0 16.6



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: 0.367 ng/ul

RT: 16.56 min Scan# 3562

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

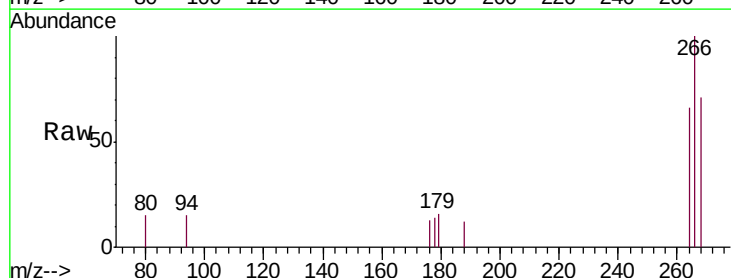
Tgt Ion:266 Resp: 694

Ion Ratio Lower Upper

266 100

264 61.8 49.9 74.9

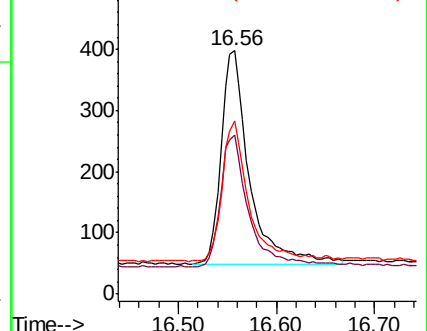
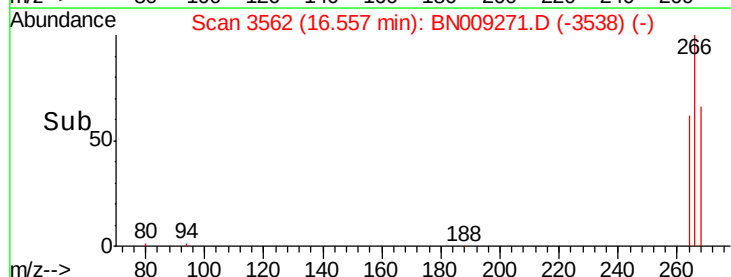
268 65.7 52.1 78.1

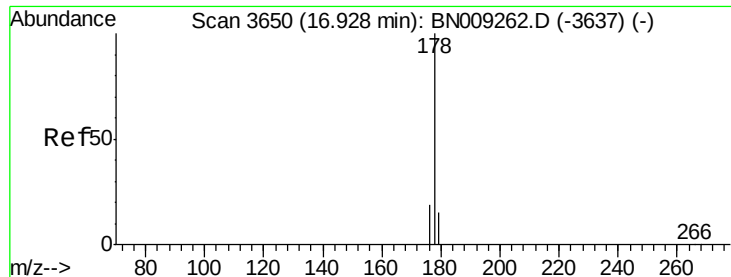


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.399 ng/ul

RT: 16.92 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.403

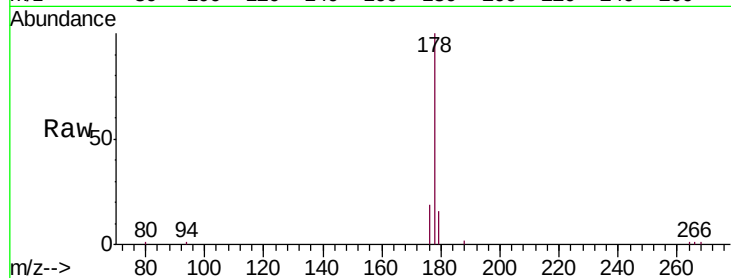
Tgt Ion:178 Resp: 9864

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

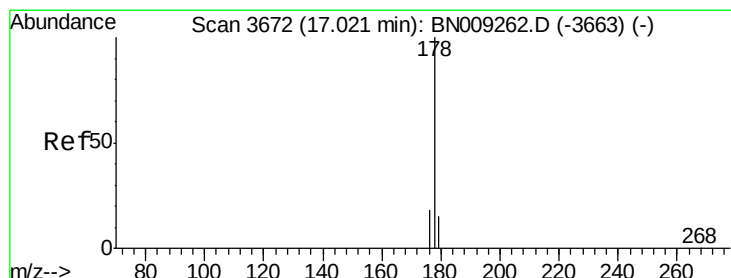
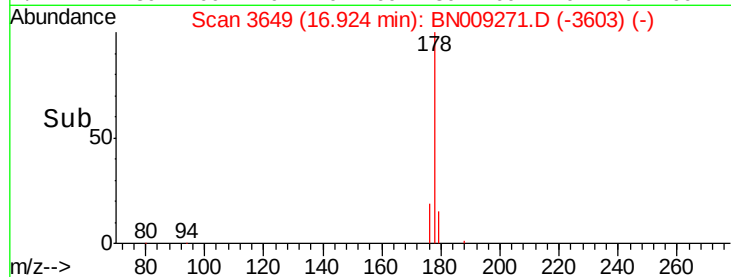
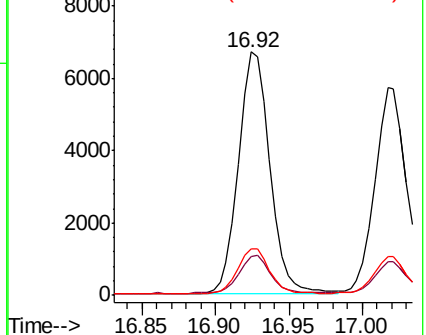
176 19.1 15.1 22.7



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



#13

Anthracene

Concen: 0.401 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

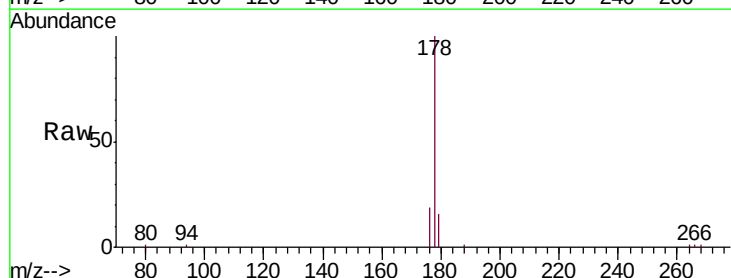
Tgt Ion:178 Resp: 8888

Ion Ratio Lower Upper

178 100

179 16.2 12.5 18.7

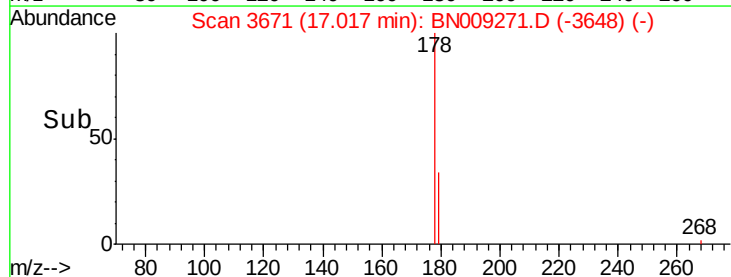
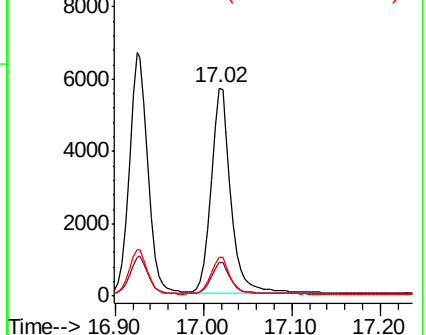
176 18.7 14.9 22.3

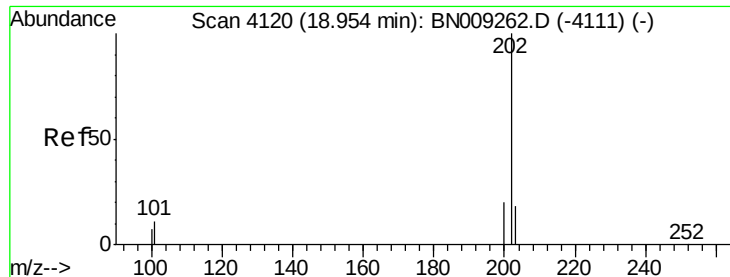


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.382 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.403

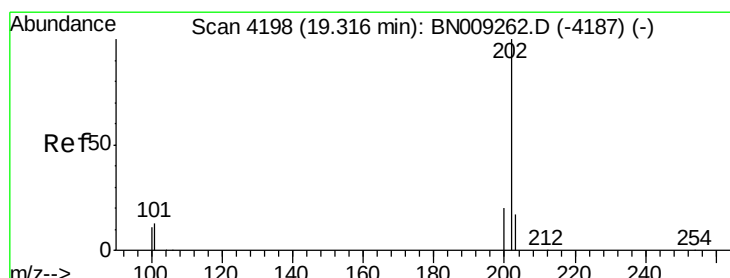
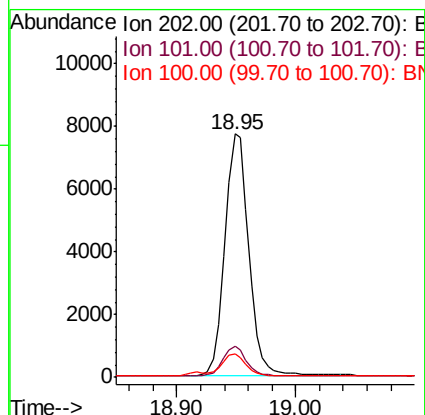
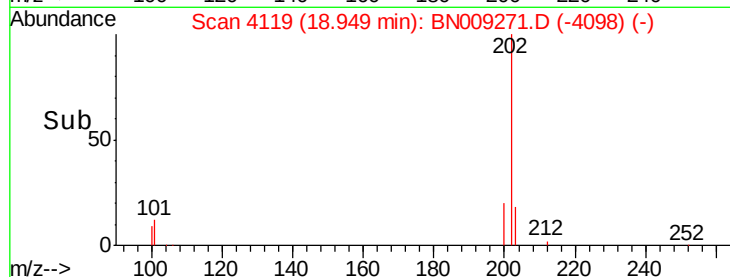
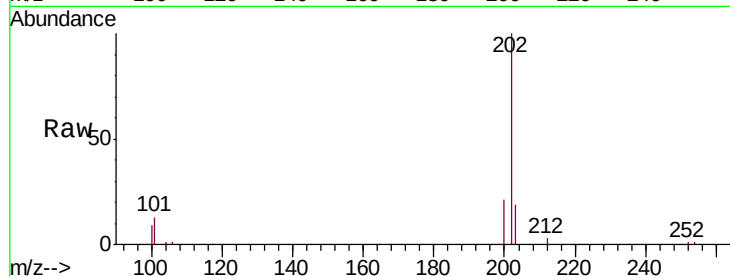
Tgt Ion:202 Resp: 10793

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.5

100 9.4 0.0 28.9



#17

Pyrene

Concen: 0.386 ng/ul

RT: 19.31 min Scan# 4197

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

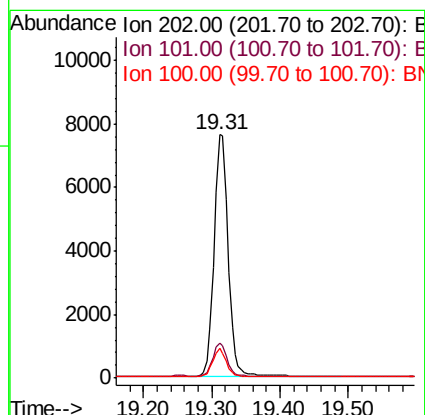
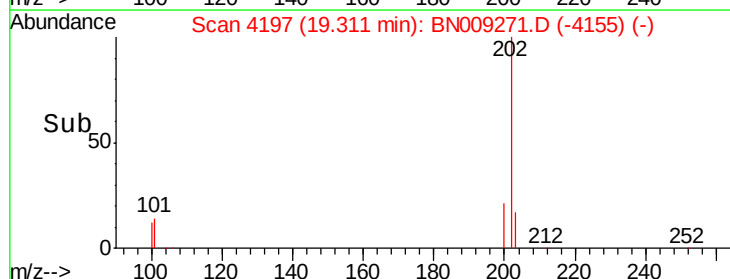
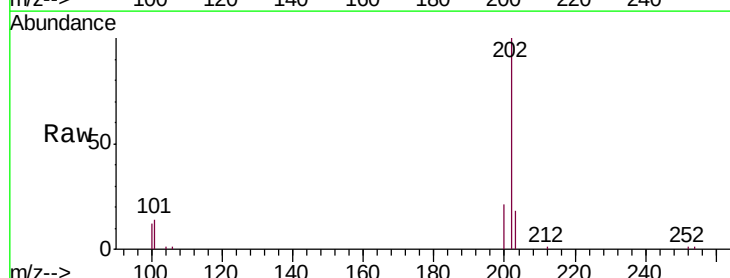
Tgt Ion:202 Resp: 10864

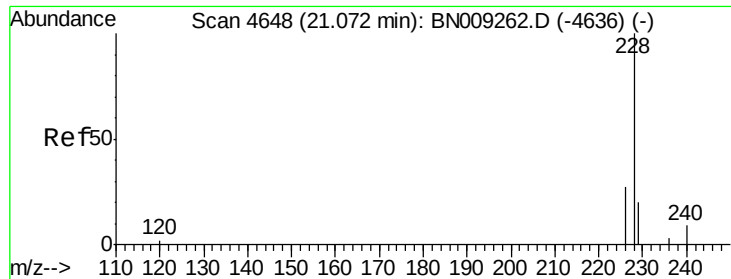
Ion Ratio Lower Upper

202 100

101 14.4 10.9 16.3

100 12.1 9.0 13.6





#18

Benzo(a)anthracene

Concen: 0.406 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

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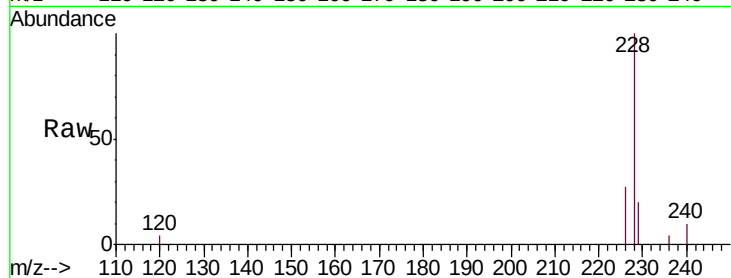
Tgt Ion:228 Resp: 9944

Ion Ratio Lower Upper

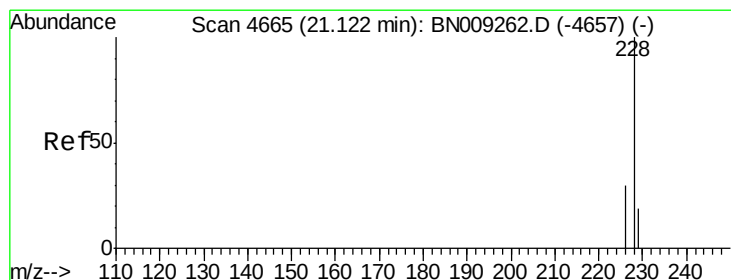
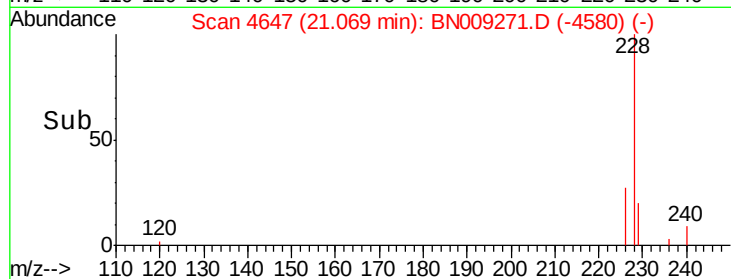
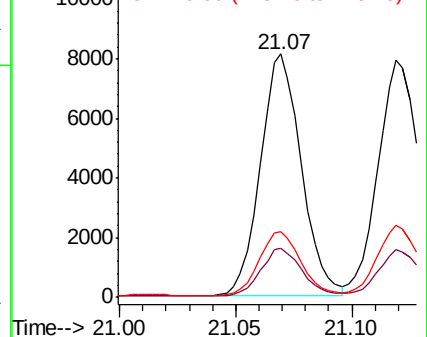
228 100

229 20.2 15.5 23.3

226 27.2 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: 0.414 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

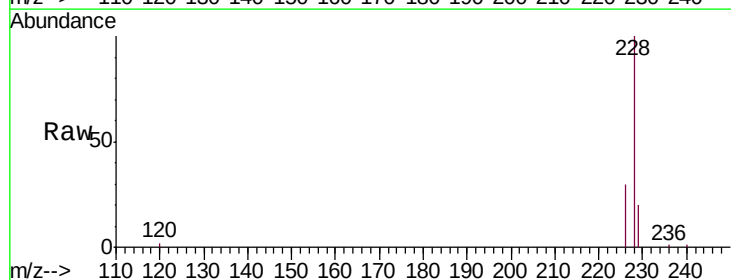
Tgt Ion:228 Resp: 10192

Ion Ratio Lower Upper

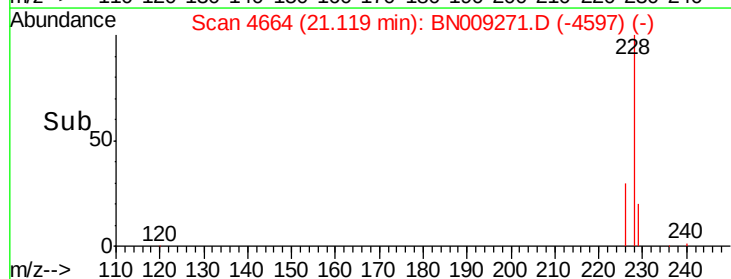
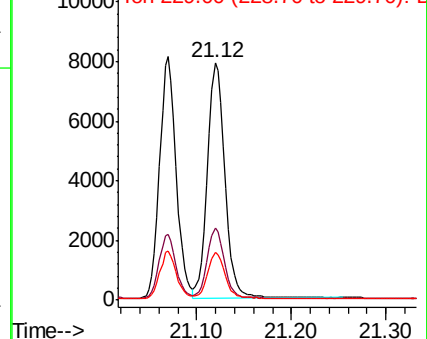
228 100

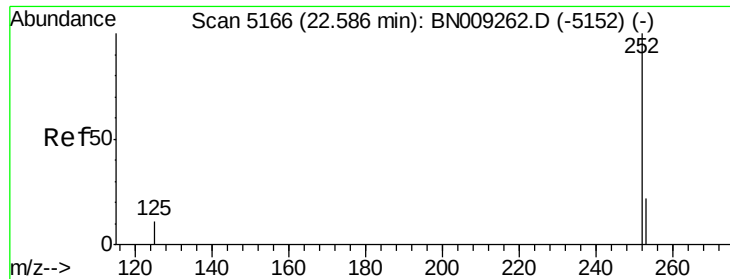
226 30.2 23.7 35.5

229 20.2 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: 0.381 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

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SSTD0.403

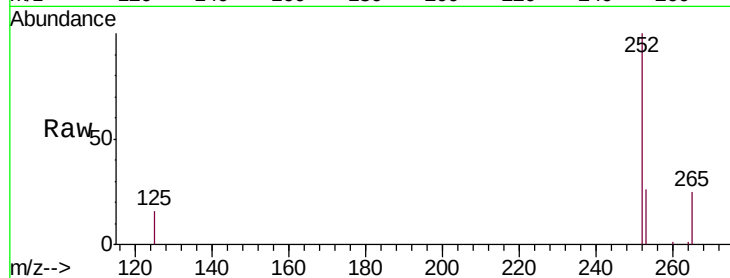
Tgt Ion:252 Resp: 10063

Ion Ratio Lower Upper

252 100

253 26.2 0.0 48.2

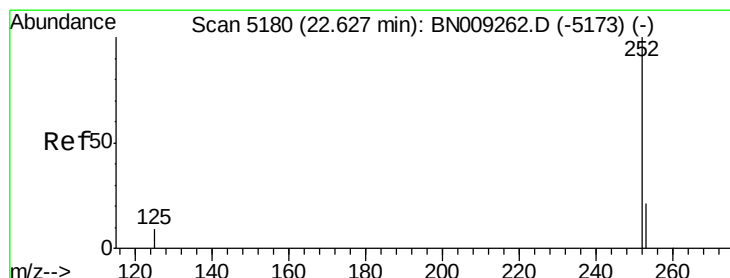
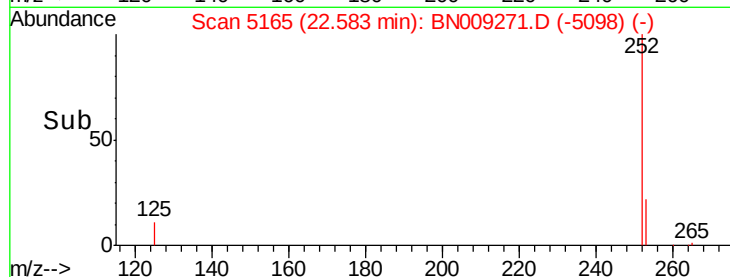
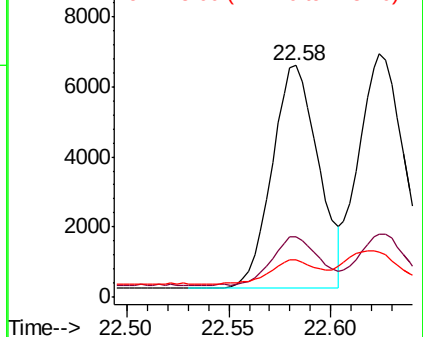
125 16.1 0.0 30.0



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: 0.378 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.04 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

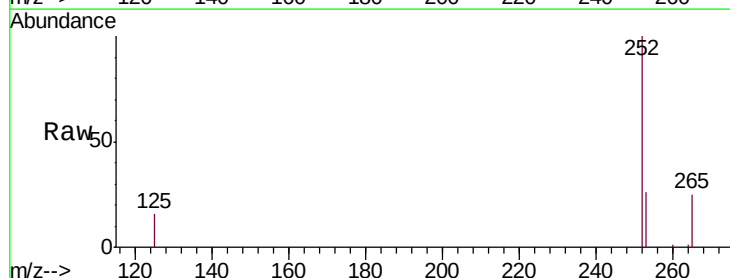
Tgt Ion:252 Resp: 10063

Ion Ratio Lower Upper

252 100

253 26.2 19.4 29.0

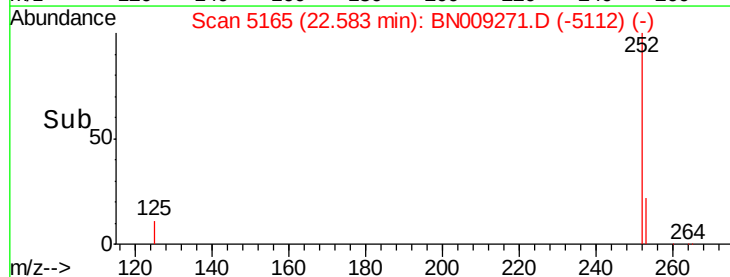
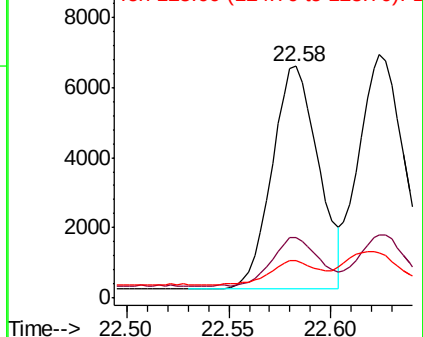
125 16.1 12.4 18.6

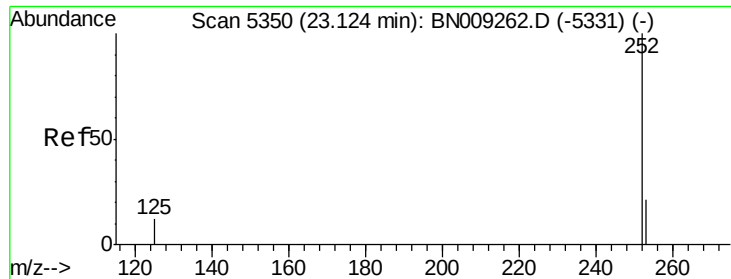


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.420 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.403

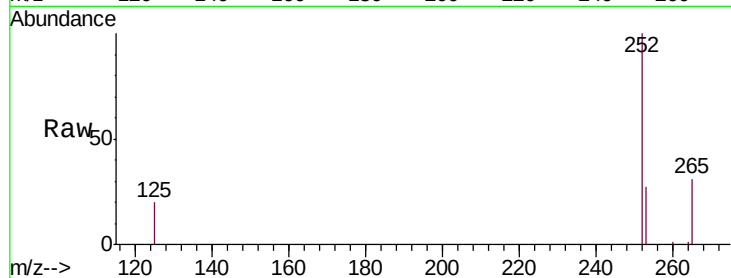
Tgt Ion:252 Resp: 9719

Ion Ratio Lower Upper

252 100

253 27.4 20.2 30.4

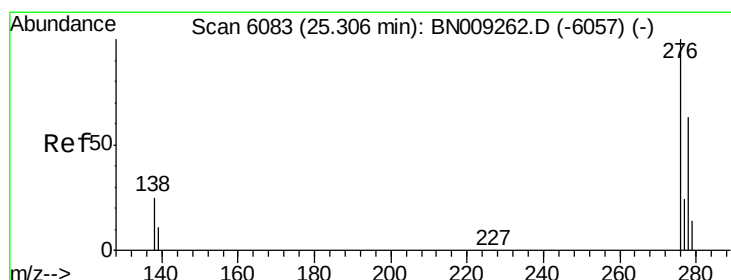
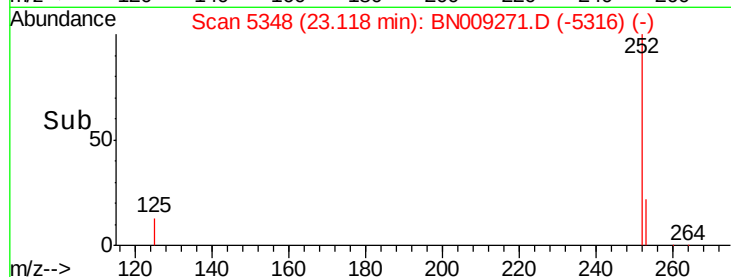
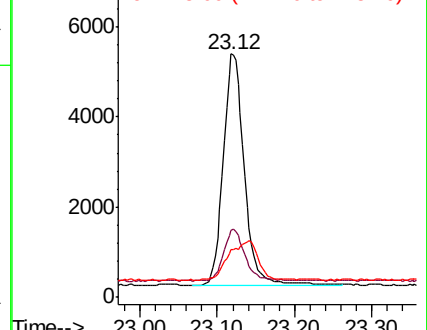
125 19.6 13.2 19.8



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: 0.454 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.00 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

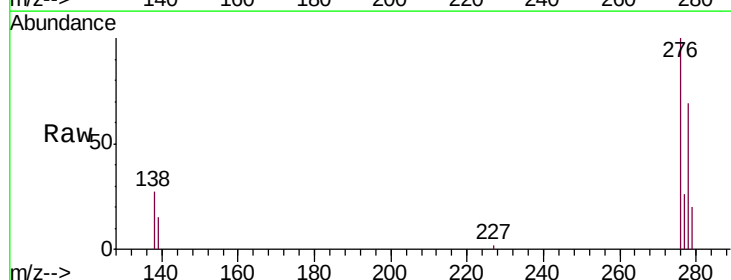
Tgt Ion:276 Resp: 11437

Ion Ratio Lower Upper

276 100

138 25.8 22.4 33.6

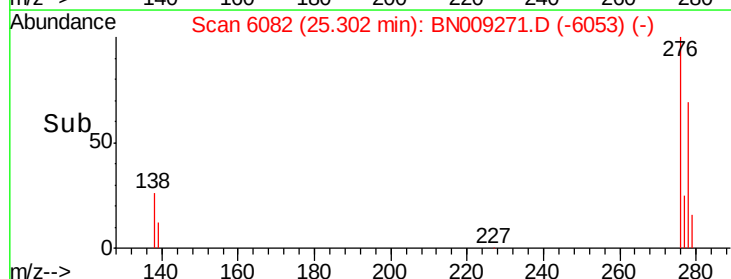
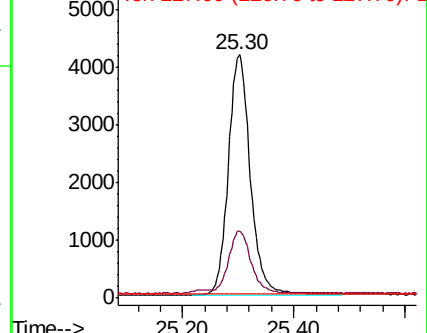
227 0.3 0.2 0.4

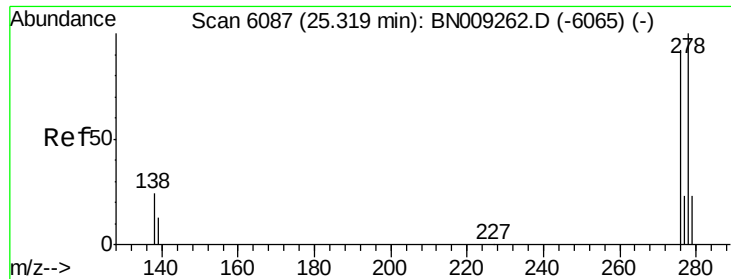


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.457 ng/ul

RT: 25.31 min Scan# 6085

Delta R.T. -0.01 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.403

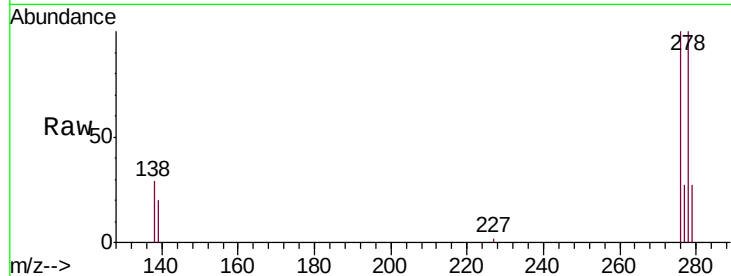
Tgt Ion: 278 Resp: 9169

Ion Ratio Lower Upper

278 100

139 19.8 16.2 24.2

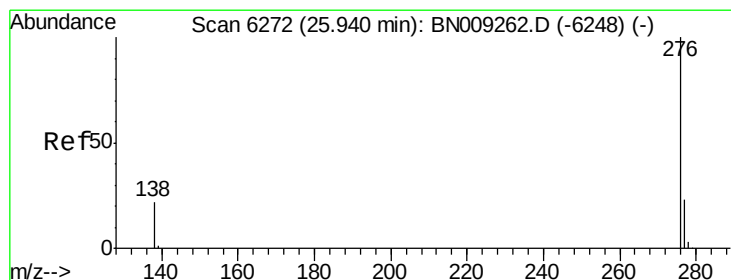
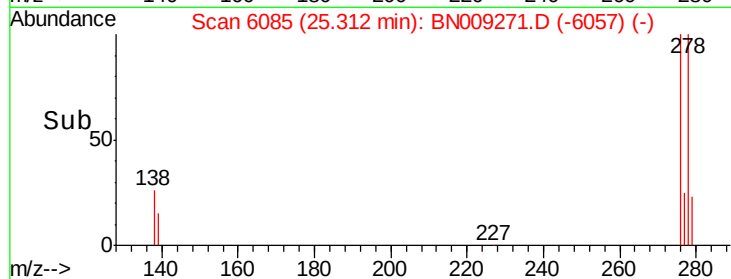
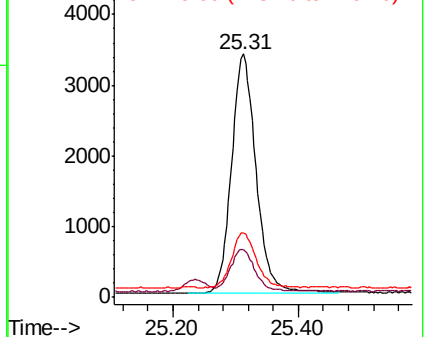
279 26.6 20.3 30.5



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: 0.464 ng/ul

RT: 25.93 min Scan# 6269

Delta R.T. -0.01 min

Lab File: BN009271.D

Acq: 30 Dec 2019 21:54

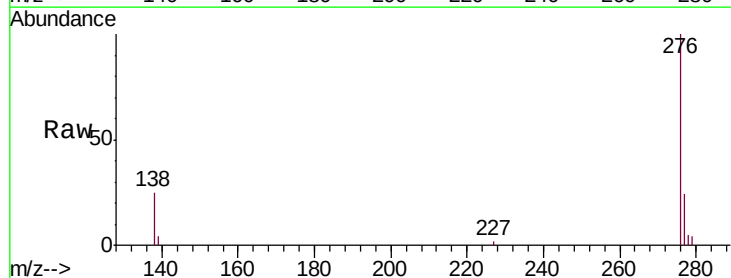
Tgt Ion: 276 Resp: 9861

Ion Ratio Lower Upper

276 100

138 24.7 20.6 30.8

277 24.4 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

