

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009223.D
 Acq On : 28 Dec 2019 12:07
 Operator : JU
 Sample : K6278-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 03:37:24 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 : Sun Dec 29 03:34:38 2019
 Response via : Initial Calibration

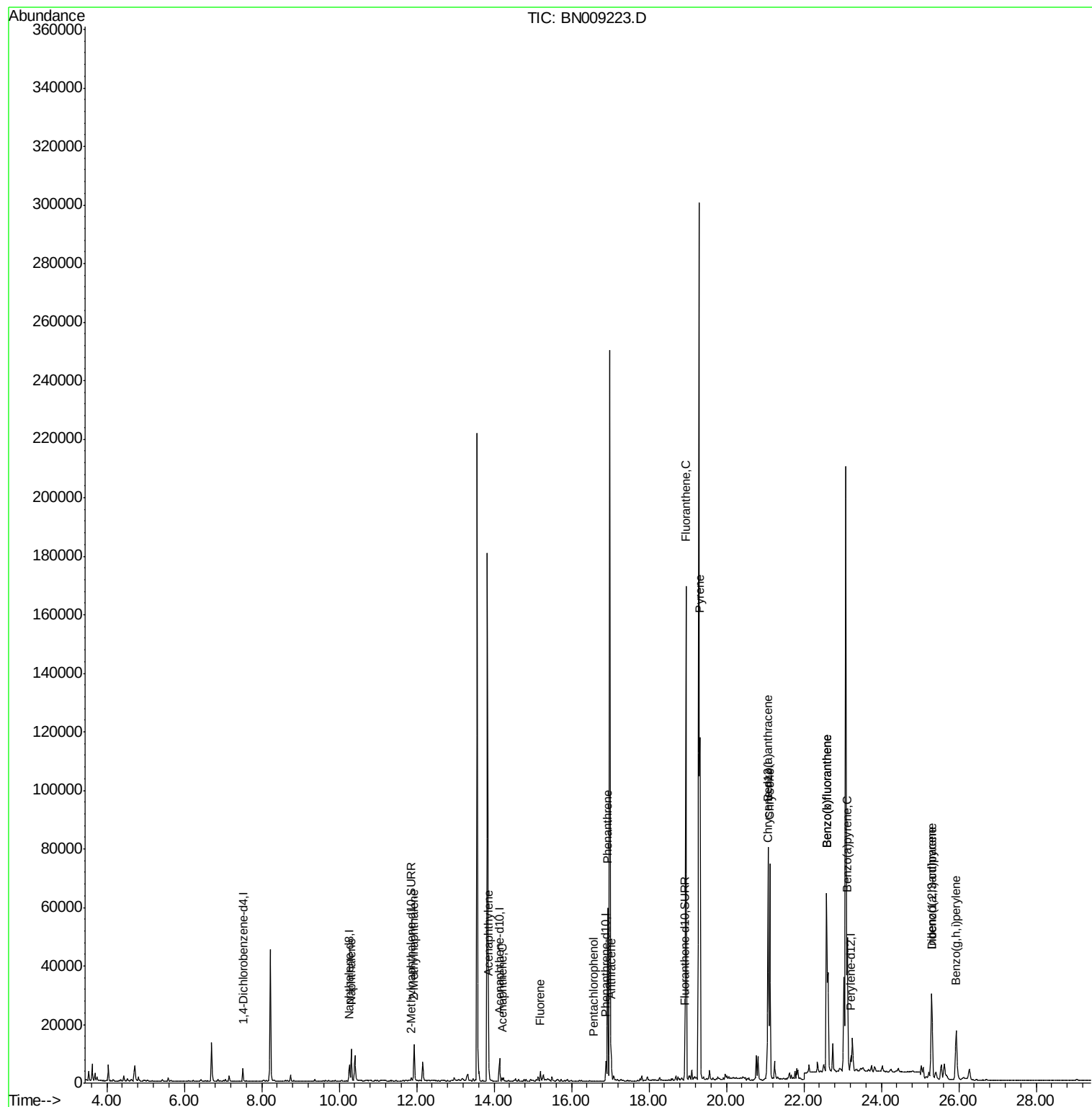
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	1876	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	6780	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	3862	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	7649	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6171	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6291	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1534	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	3726	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	14398	0.700	ng/ul	100
5) 2-Methylnaphthalene	11.93	142	9043	0.582	ng/ul	99
7) Acenaphthylene	13.86	152	7639	0.377	ng/ul	98
8) Acenaphthene	14.20	153	792	0.050	ng/ul	95
9) Fluorene	15.19	166	1971	0.105	ng/ul#	93
11) Pentachlorophenol	16.55	266	51	0.025	ng/ul#	90
12) Phenanthrene	16.93	178	58671	2.206	ng/ul	100
13) Anthracene	17.02	178	11528	0.483	ng/ul	99
15) Fluoranthene	18.95	202	143171	4.706	ng/ul	99
17) Pyrene	19.32	202	113252	3.597	ng/ul	99
18) Benzo(a)anthracene	21.07	228	62950	2.297	ng/ul	97
19) Chrysene	21.12	228	70156	2.548	ng/ul	97
21) Benzo(b)fluoranthene	22.58	252	126769	4.316	ng/ul	97
22) Benzo(k)fluoranthene	22.58	252	126769	4.280	ng/ul	96
23) Benzo(a)pyrene	23.12	252	55425	2.153	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.30	276	42152	1.504	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	10762	0.482	ng/ul#	91
26) Benzo(g,h,i)perylene	25.93	276	32460	1.374	ng/ul	98

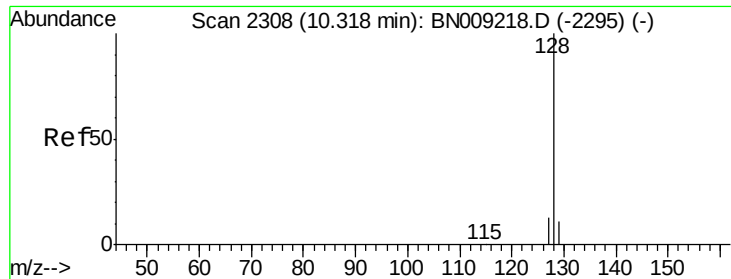
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Dec 29 03:34:38 2019
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#3

Naphthalene

Concen: 0.700 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

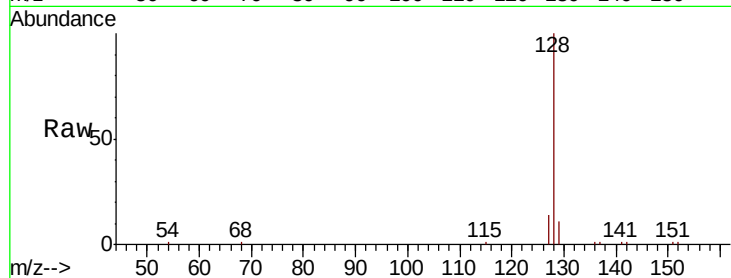
Tot Ion:128 Resp: 14398

Ion Ratio Lower Upper

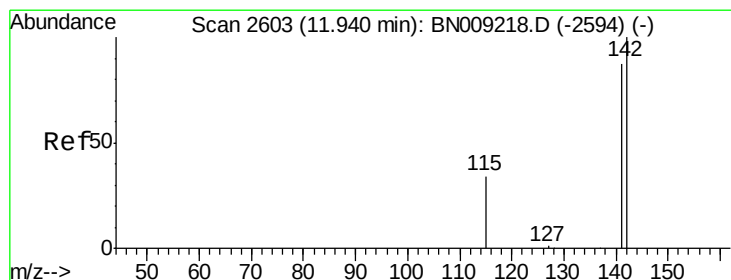
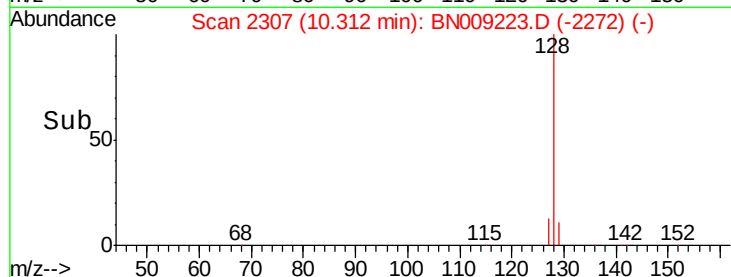
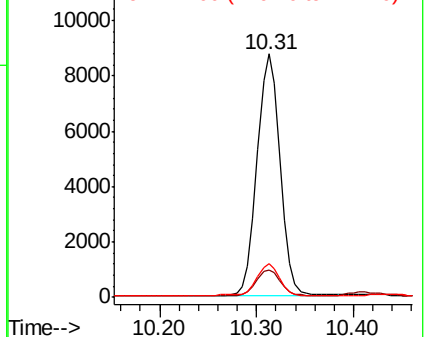
128 100

129 11.4 9.0 13.4

127 13.7 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: 0.582 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BN009223.D

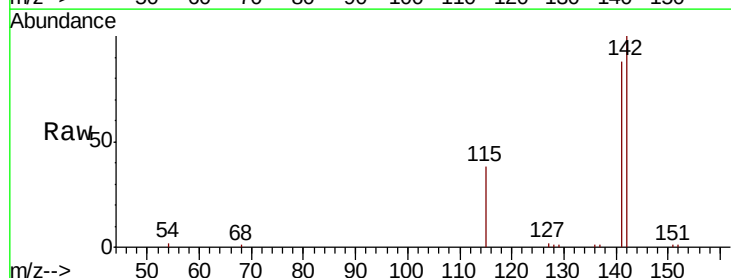
Acq: 28 Dec 2019 12:07

Tgt Ion:142 Resp: 9043

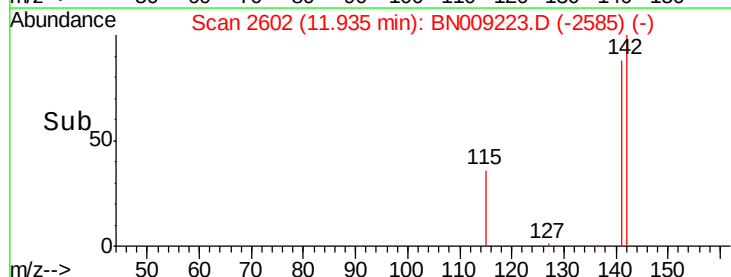
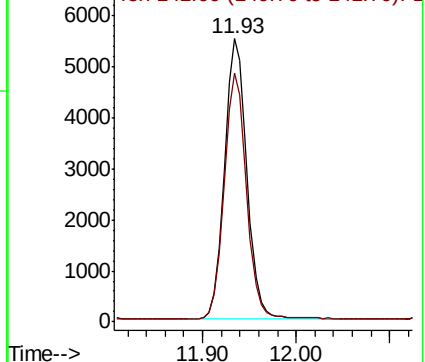
Ion Ratio Lower Upper

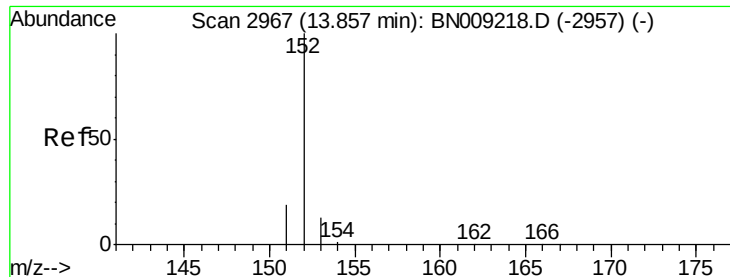
142 100

141 87.3 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: 0.377 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

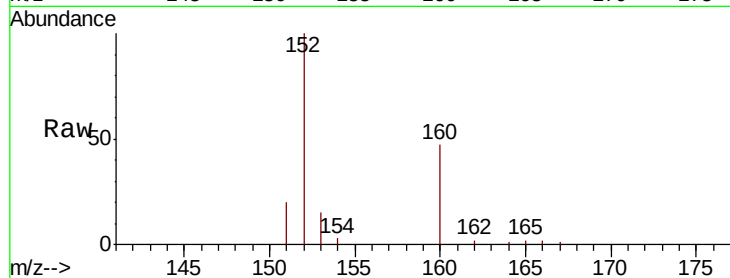
Tot Ion:152 Resp: 7639

Ion Ratio Lower Upper

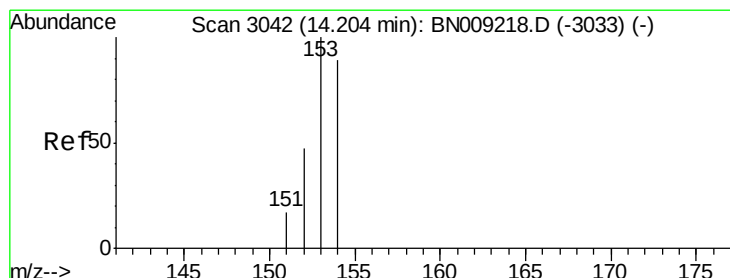
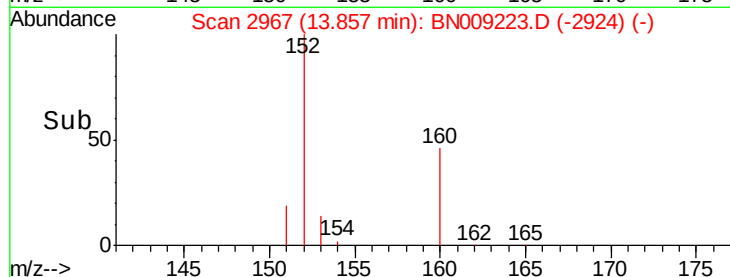
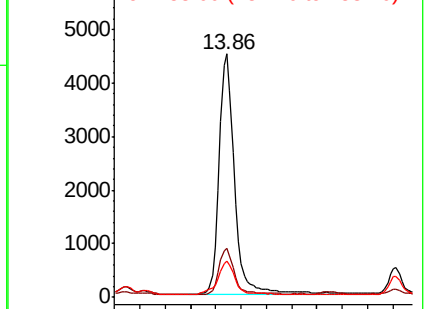
152 100

151 20.3 15.7 23.5

153 14.7 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: 0.050 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. 0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

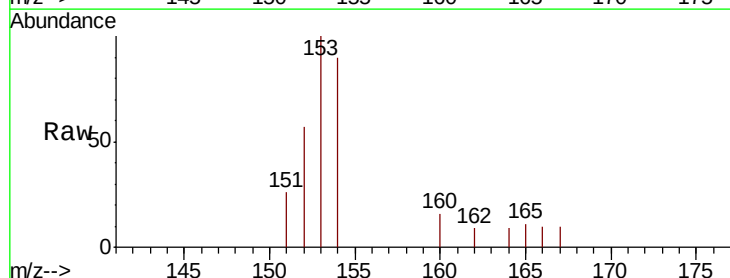
Tgt Ion:153 Resp: 792

Ion Ratio Lower Upper

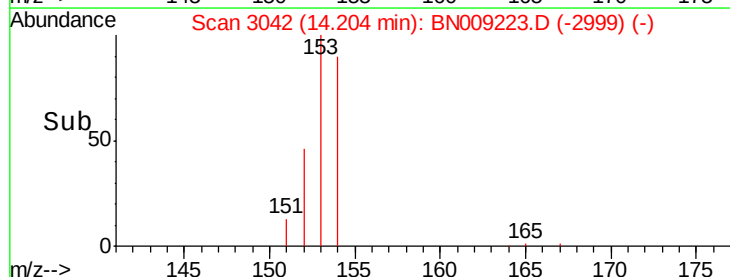
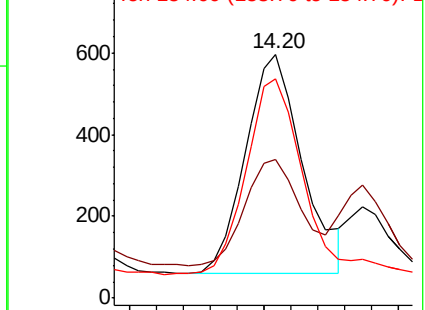
153 100

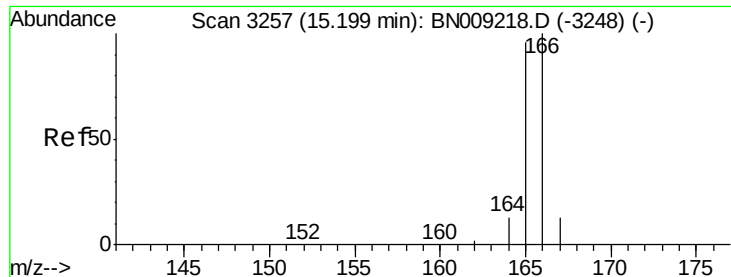
152 56.7 39.5 59.3

154 90.3 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: 0.105 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

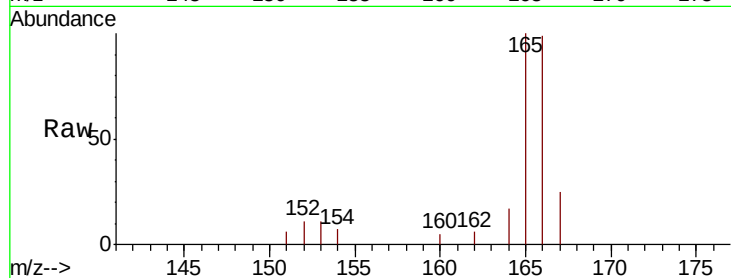
Tot Ion:166 Resp: 1971

Ion Ratio Lower Upper

166 100

165 101.4 78.2 117.4

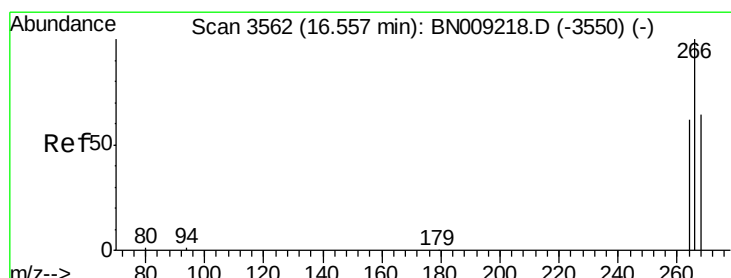
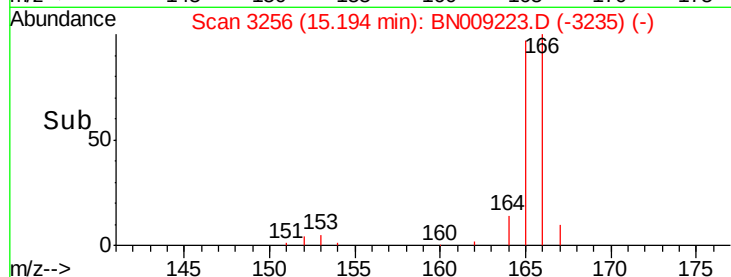
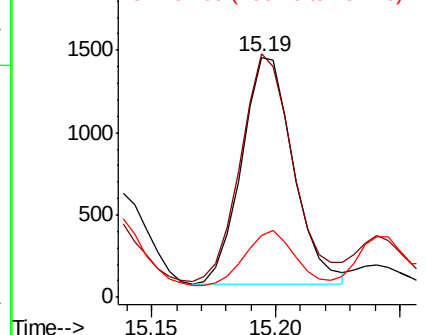
167 25.6 11.0 16.6#



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: 0.025 ng/ul

RT: 16.55 min Scan# 3561

Delta R.T. -0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

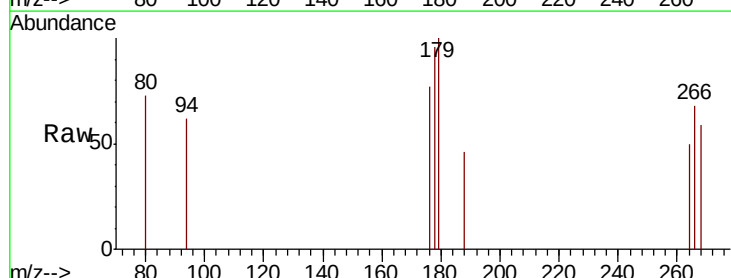
Tgt Ion:266 Resp: 51

Ion Ratio Lower Upper

266 100

264 49.0 49.9 74.9#

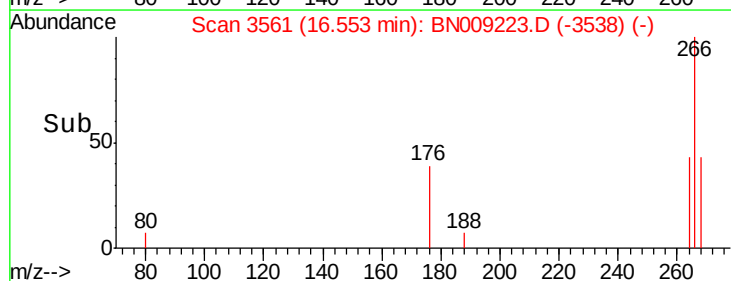
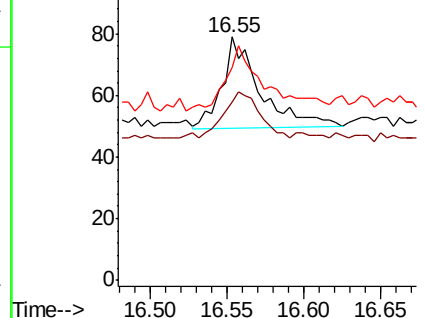
268 62.7 52.1 78.1

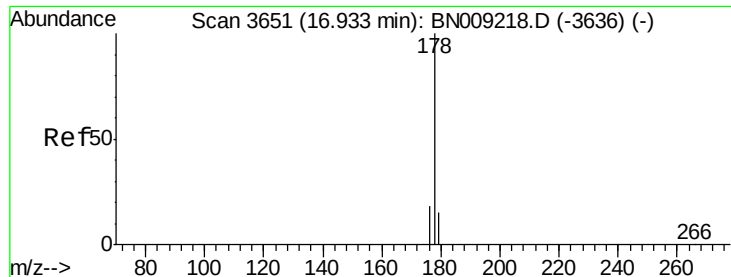


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 2.206 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

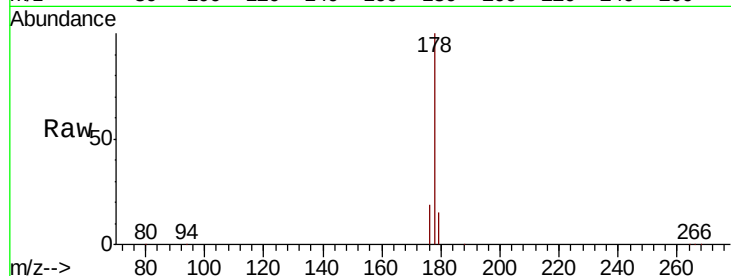
Tot Ion:178 Resp: 58671

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

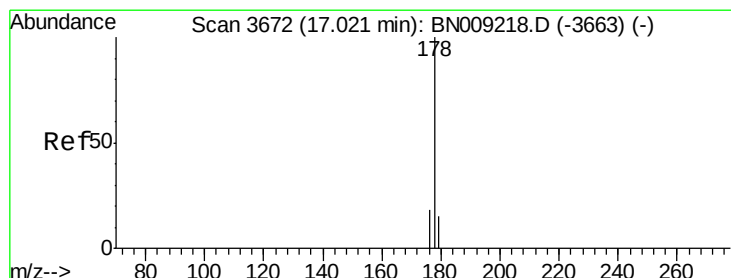
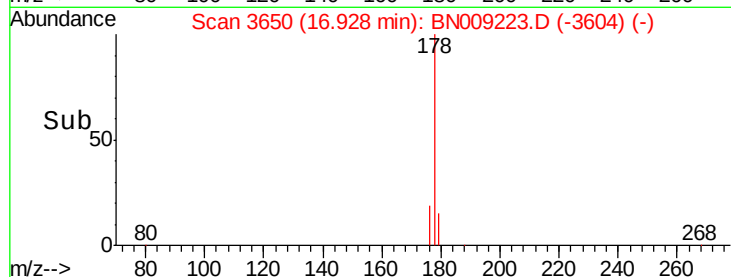
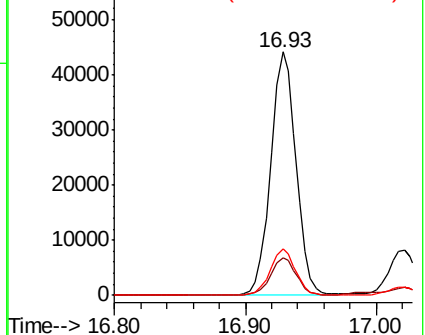
176 18.9 15.1 22.7



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: 0.483 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

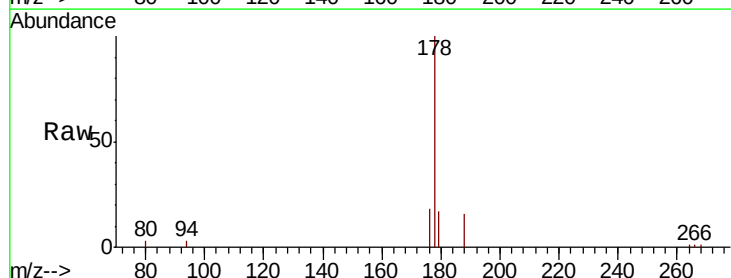
Tgt Ion:178 Resp: 11528

Ion Ratio Lower Upper

178 100

179 16.6 12.5 18.7

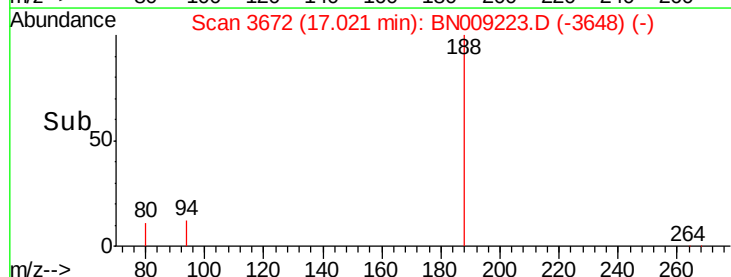
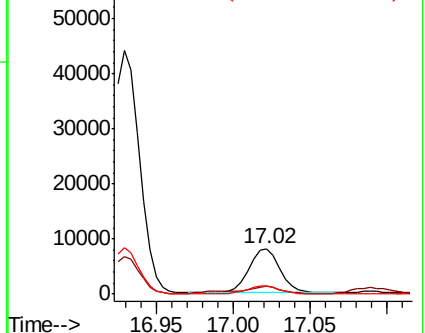
176 18.5 14.9 22.3

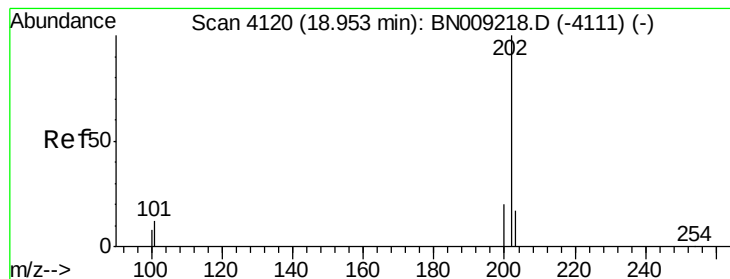


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 4.706 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

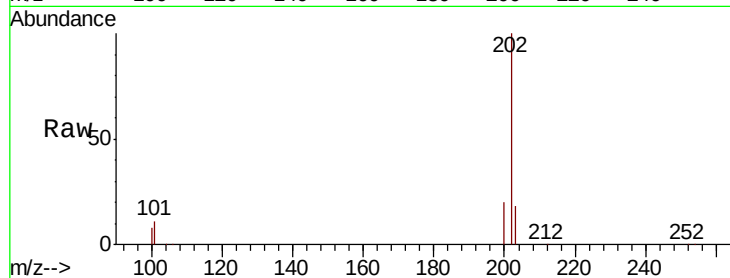
Tot Ion:202 Resp: 143171

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.5

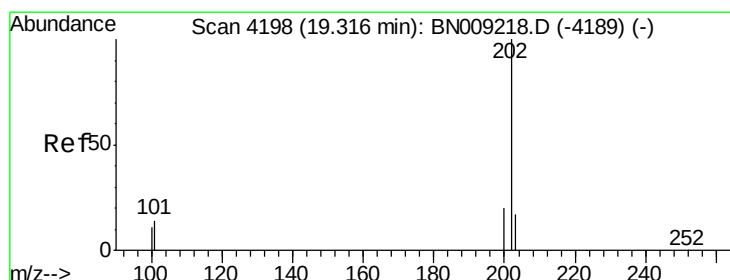
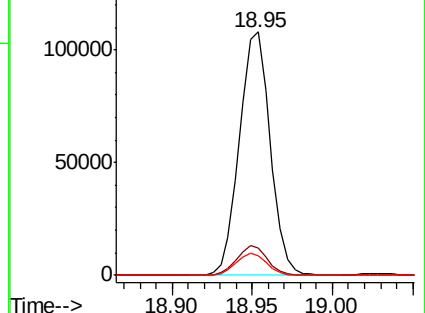
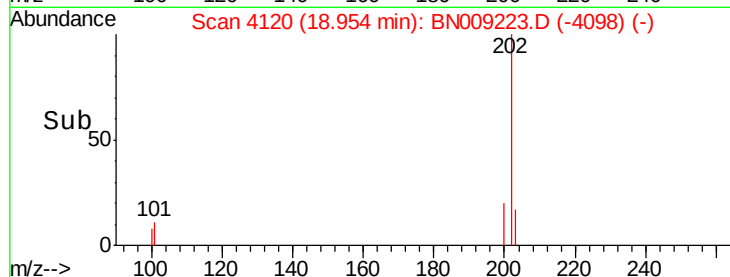
100 8.3 0.0 28.9



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: 3.597 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

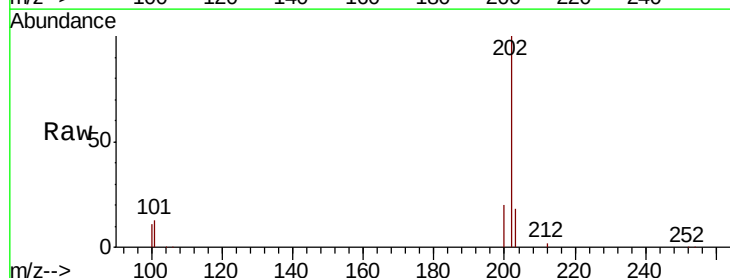
Tgt Ion:202 Resp: 113252

Ion Ratio Lower Upper

202 100

101 13.4 10.9 16.3

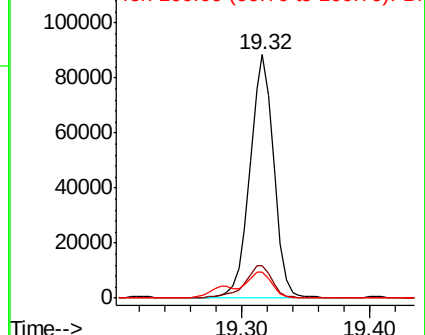
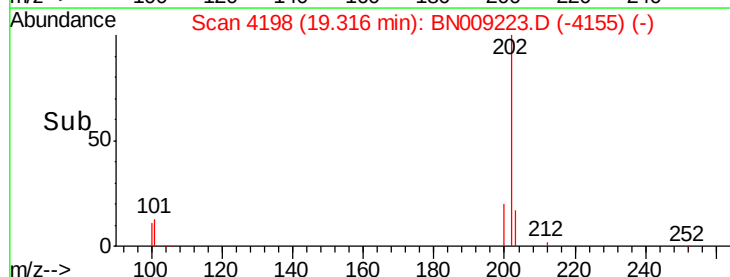
100 10.8 9.0 13.6

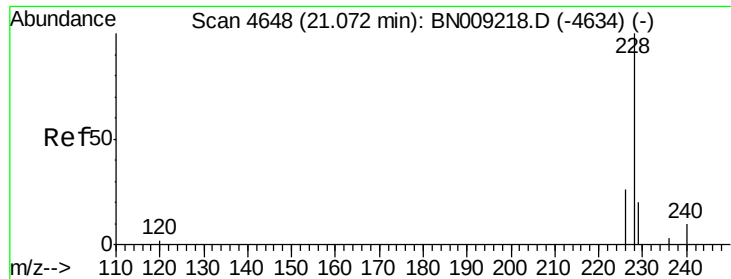


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 2.297 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

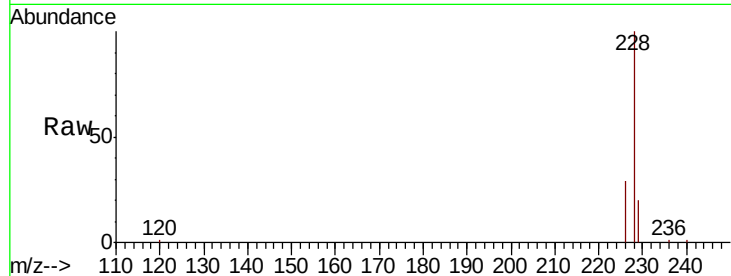
Tot Ion:228 Resp: 62950

Ion Ratio Lower Upper

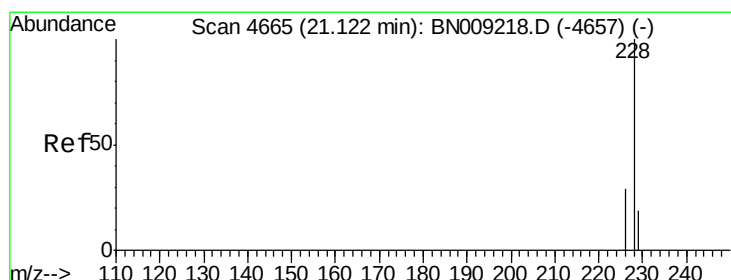
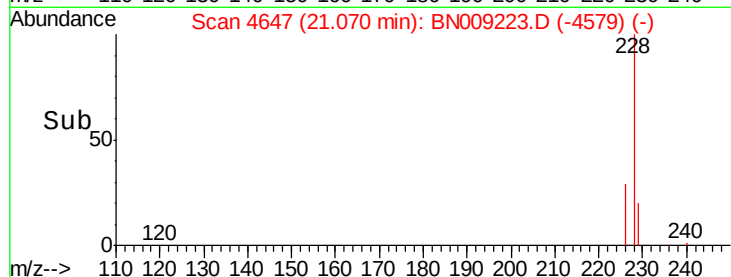
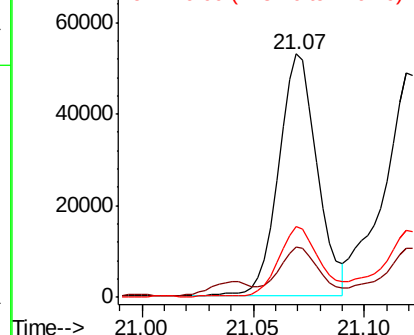
228 100

229 20.5 15.5 23.3

226 28.8 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: 2.548 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

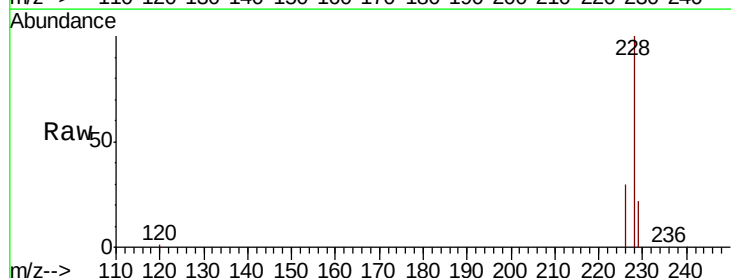
Tgt Ion:228 Resp: 70156

Ion Ratio Lower Upper

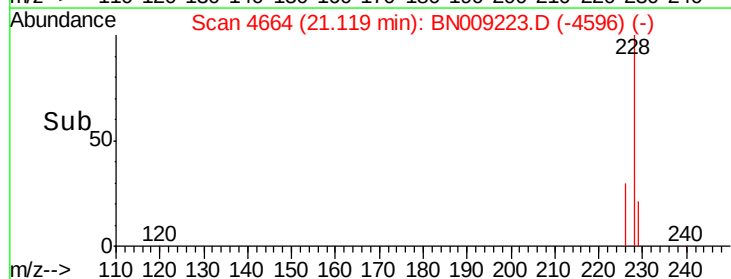
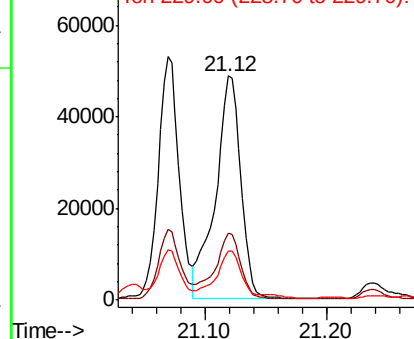
228 100

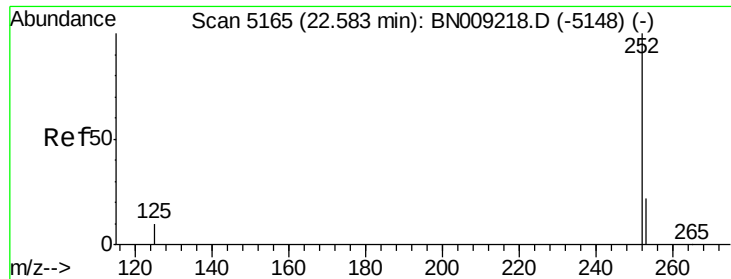
226 30.1 23.7 35.5

229 21.9 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: 4.316 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. 0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

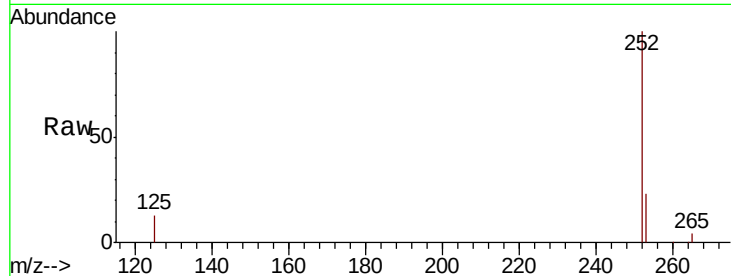
Tot Ion:252 Resp: 126769

Ion Ratio Lower Upper

252 100

253 23.3 0.0 48.2

125 12.5 0.0 30.0

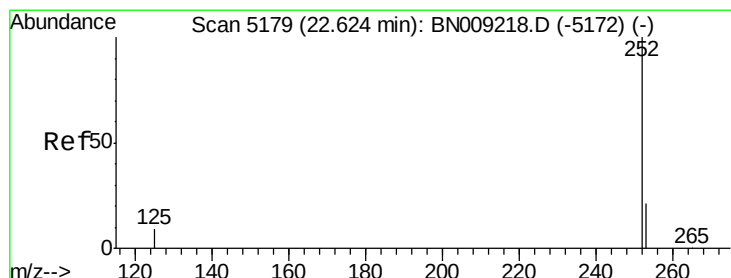
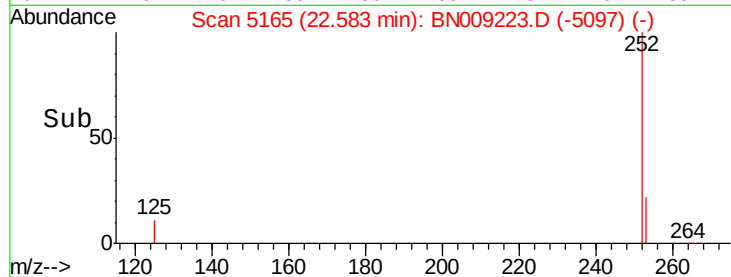
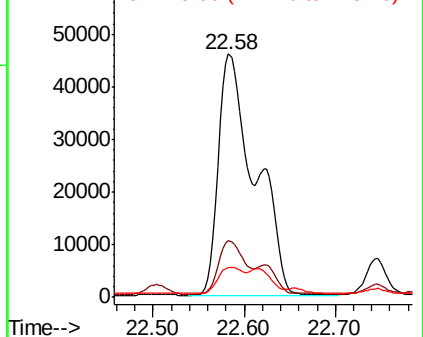


Abundance

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: 4.280 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.04 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

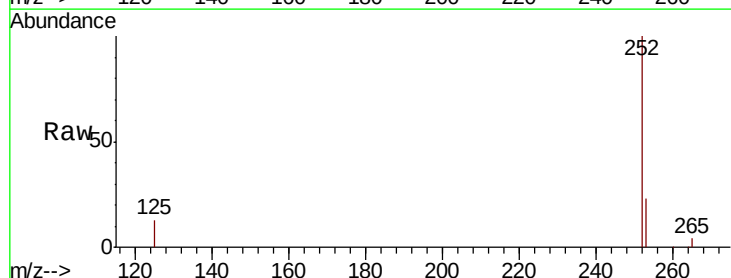
Tgt Ion:252 Resp: 126769

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.0

125 12.5 12.4 18.6

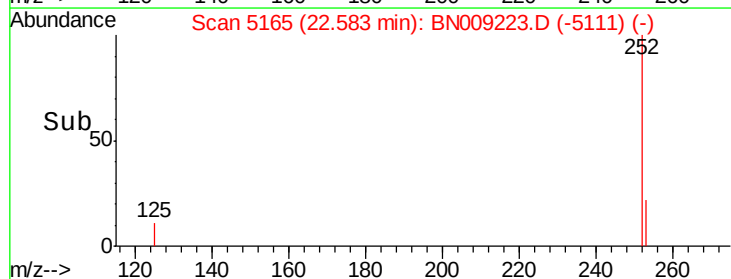
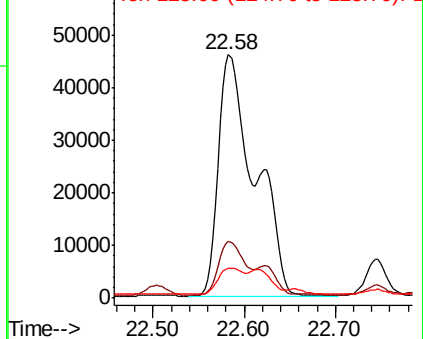


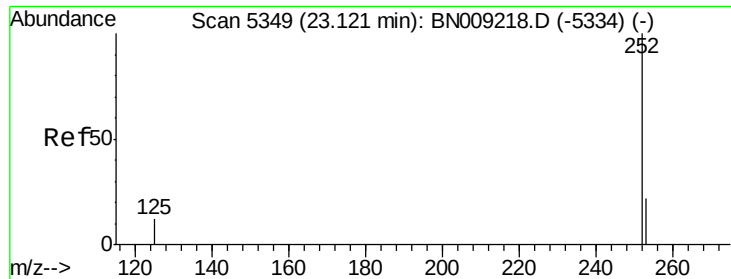
Abundance

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: 2.153 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. 0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

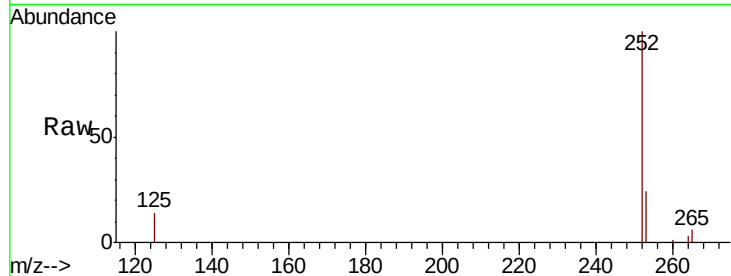
Tot Ion:252 Resp: 55425

Ion Ratio Lower Upper

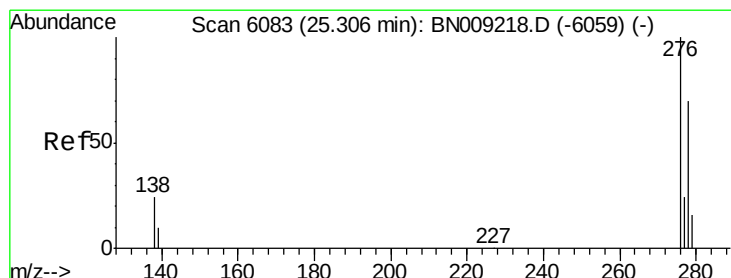
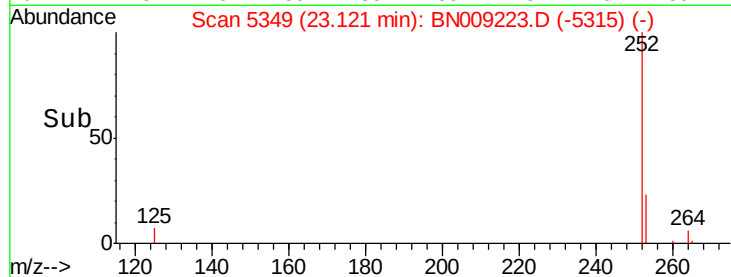
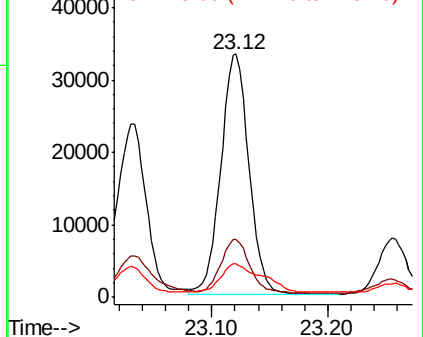
252 100

253 23.7 20.2 30.4

125 13.7 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: 1.504 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. -0.01 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

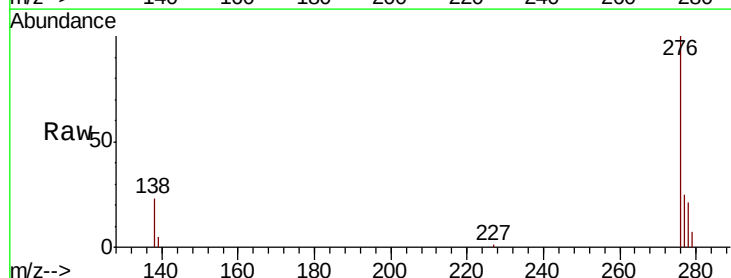
Tgt Ion:276 Resp: 42152

Ion Ratio Lower Upper

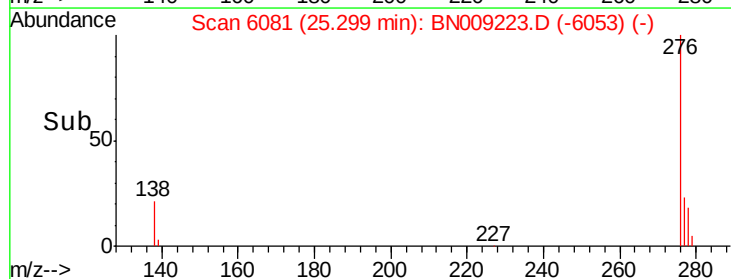
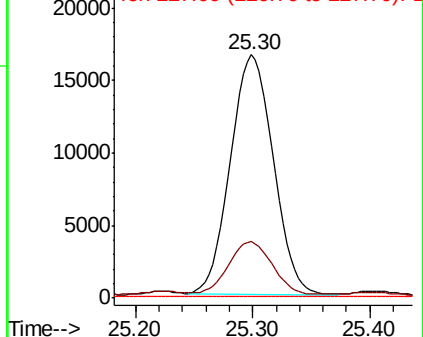
276 100

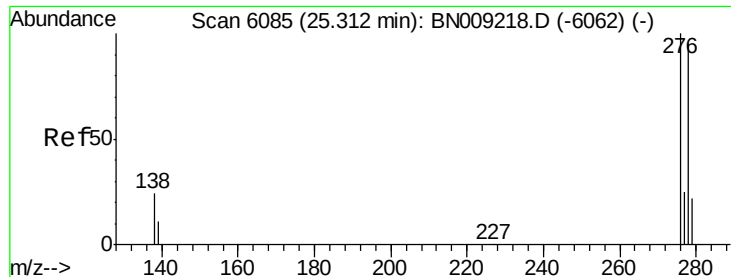
138 21.7 22.4 33.6#

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: 0.482 ng/ul

RT: 25.31 min Scan# 6083

Delta R.T. -0.01 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

Instrument :

BNA_N

ClientSampleId :

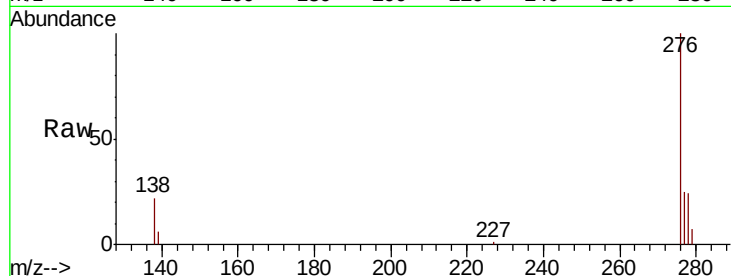
Tot Ion:278 Resp: 10762

Ion Ratio Lower Upper

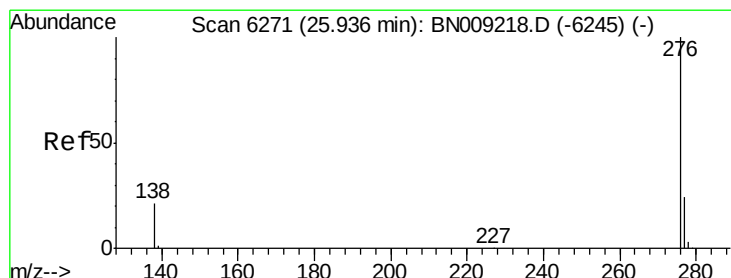
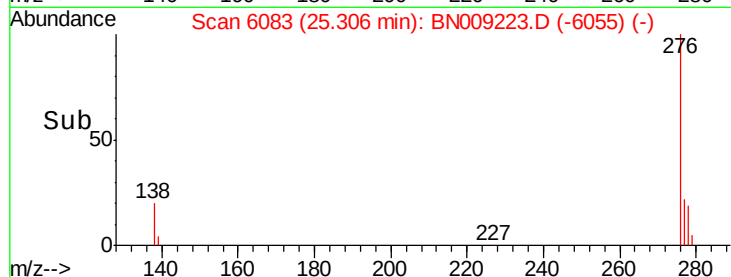
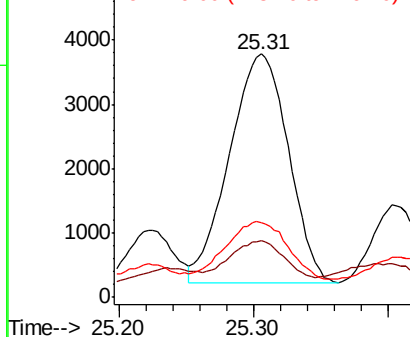
278 100

139 23.1 16.2 24.2

279 30.7 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: 1.374 ng/ul

RT: 25.93 min Scan# 6270

Delta R.T. -0.00 min

Lab File: BN009223.D

Acq: 28 Dec 2019 12:07

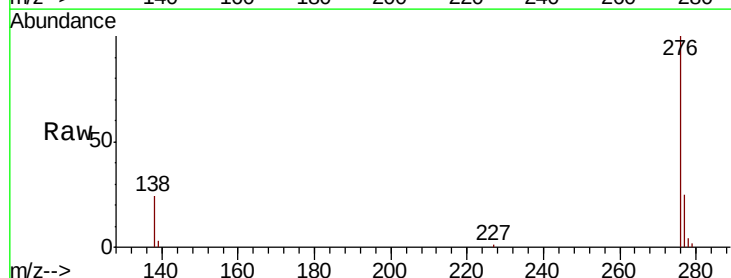
Tgt Ion:276 Resp: 32460

Ion Ratio Lower Upper

276 100

138 23.6 20.6 30.8

277 24.7 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

