

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009213.D
 Acq On : 28 Dec 2019 02:17
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 28 04:26:50 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 : Fri Dec 27 23:08:48 2019
 Response via : Initial Calibration

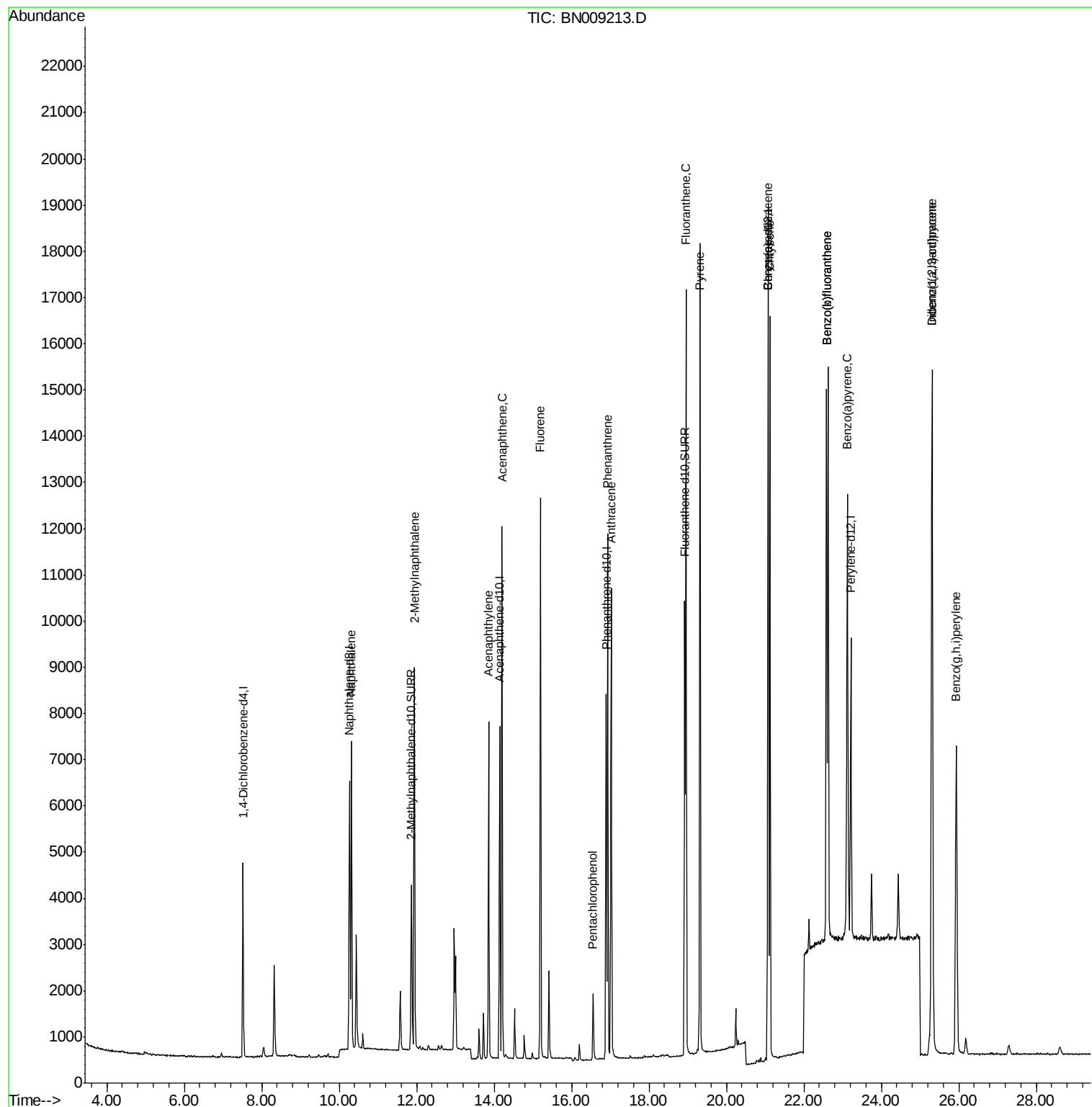
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2125	0.40	ng/ul	0.00
2) Naphthalene-d8	10.27	136	7541	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4086	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8718	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	7767	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7845	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	4893	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	10675	0.42	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.32	128	9260	0.405	ng/ul	99
5) 2-Methylnaphthalene	11.94	142	6317	0.366	ng/ul	100
7) Acenaphthylene	13.86	152	8423	0.392	ng/ul	99
8) Acenaphthene	14.20	153	6386	0.379	ng/ul	98
9) Fluorene	15.20	166	7276	0.365	ng/ul	100
11) Pentachlorophenol	16.56	266	1093	0.470	ng/ul	99
12) Phenanthrene	16.93	178	12020	0.396	ng/ul	99
13) Anthracene	17.02	178	11159	0.410	ng/ul	99
15) Fluoranthene	18.95	202	14075	0.406	ng/ul	99
17) Pyrene	19.32	202	14250	0.360	ng/ul	99
18) Benzo(a)anthracene	21.07	228	13802	0.400	ng/ul	99
19) Chrysene	21.12	228	13871	0.400	ng/ul	99
21) Benzo(b)fluoranthene	22.58	252	14146	0.386	ng/ul	98
22) Benzo(k)fluoranthene	22.58	252	14146	0.383	ng/ul	98
23) Benzo(a)pyrene	23.12	252	13012	0.405	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.30	276	15422	0.441	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.31	278	12450	0.447	ng/ul	98
26) Benzo(g,h,i)perylene	25.94	276	13111	0.445	ng/ul	98

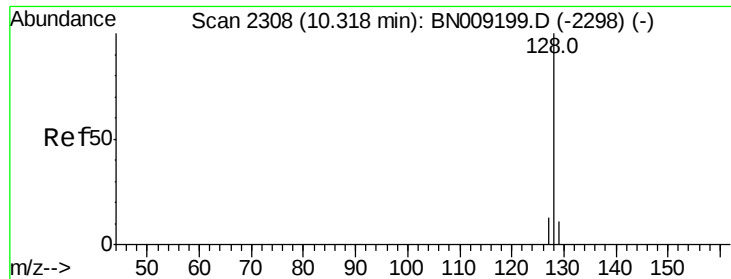
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 10.32 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

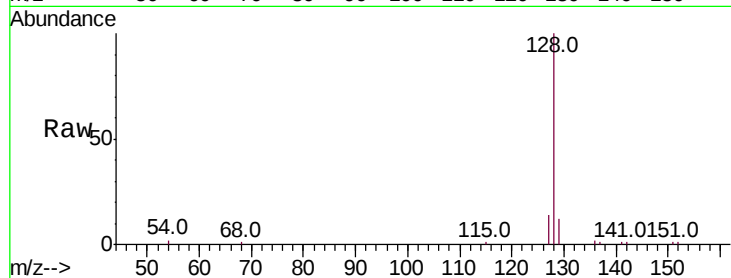
Tot Ion:128 Resp: 9260

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.4

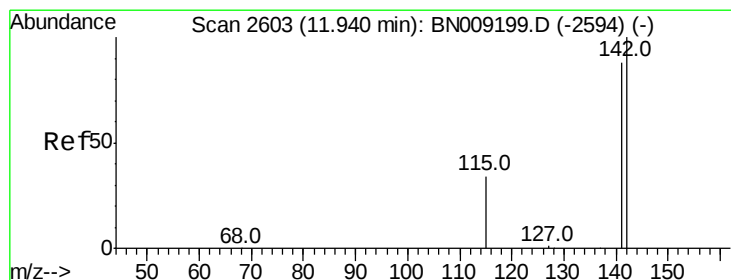
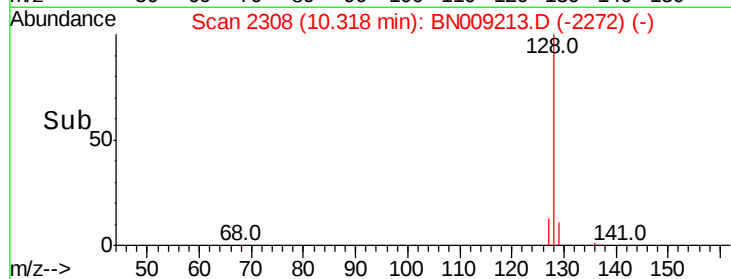
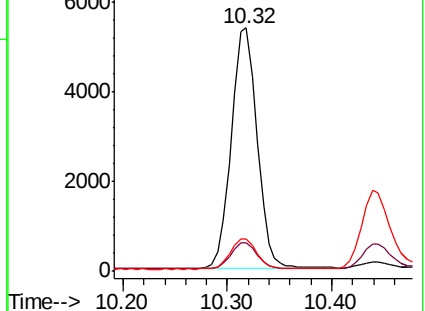
127 13.6 10.9 16.3



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: 0.366 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BN009213.D

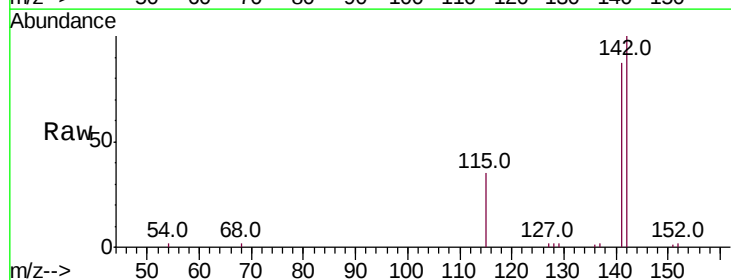
Acq: 28 Dec 2019 02:17

Tgt Ion:142 Resp: 6317

Ion Ratio Lower Upper

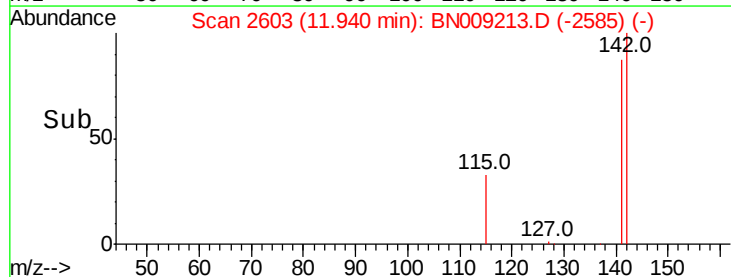
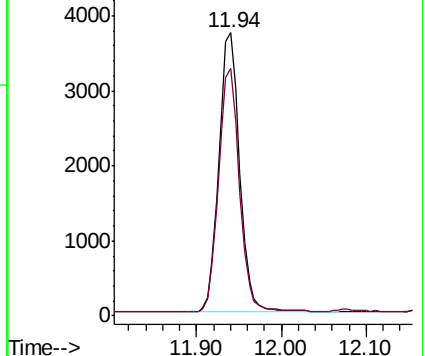
142 100

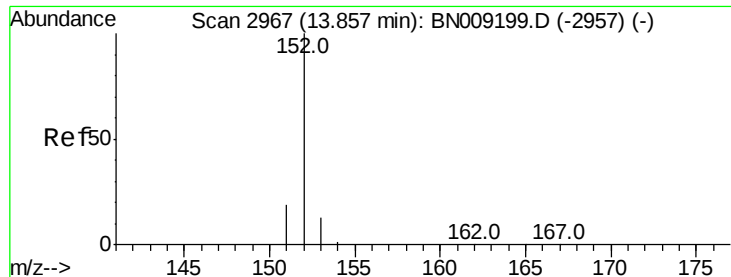
141 87.7 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.392 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

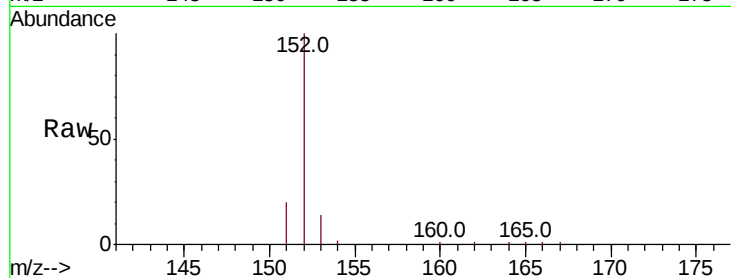
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 8423

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	14.2	10.8	16.2

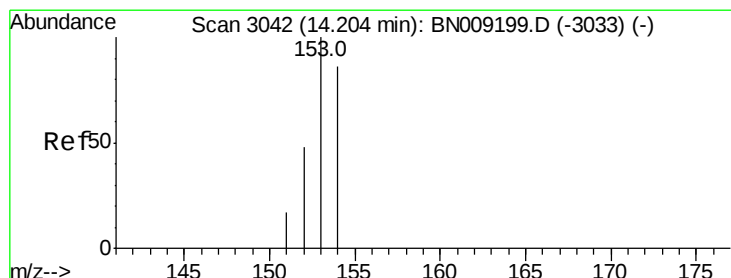
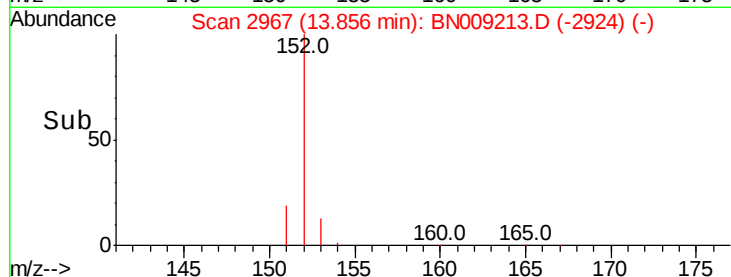
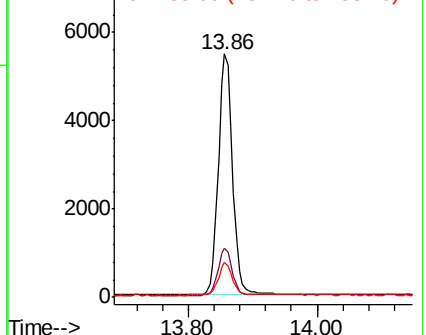


Abundance

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: 0.379 ng/ul

RT: 14.20 min Scan# 3042

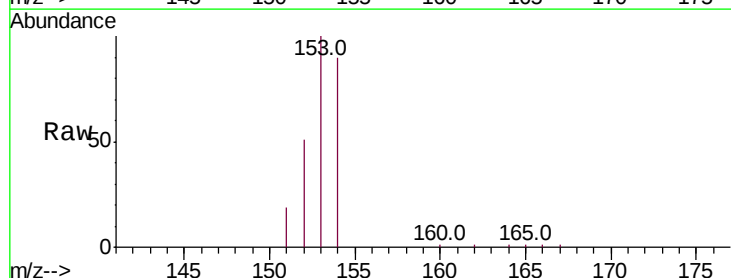
Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Tgt Ion:153 Resp: 6386

Ion	Ratio	Lower	Upper
153	100		
152	50.5	39.5	59.3
154	90.4	71.3	106.9

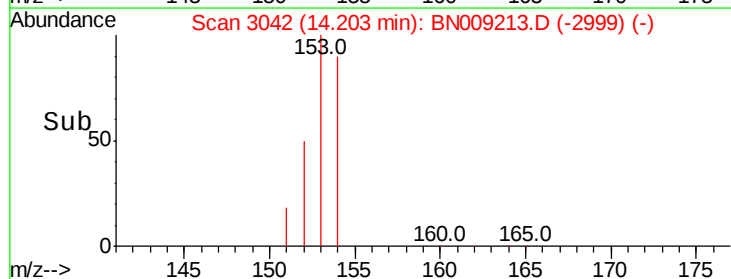
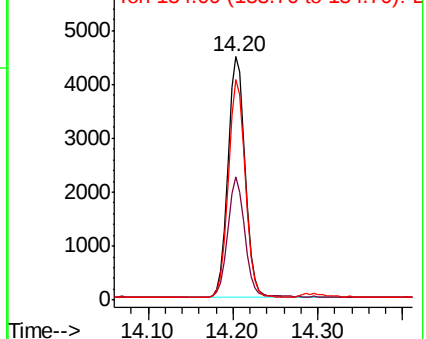


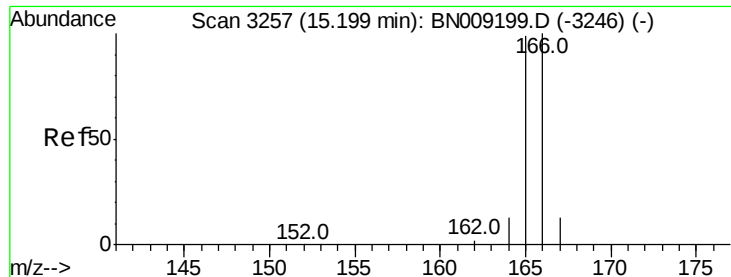
Abundance

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: 0.365 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

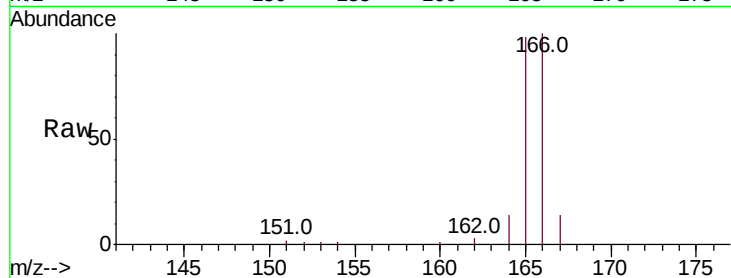
Tot Ion:166 Resp: 7276

Ion Ratio Lower Upper

166 100

165 97.8 78.2 117.4

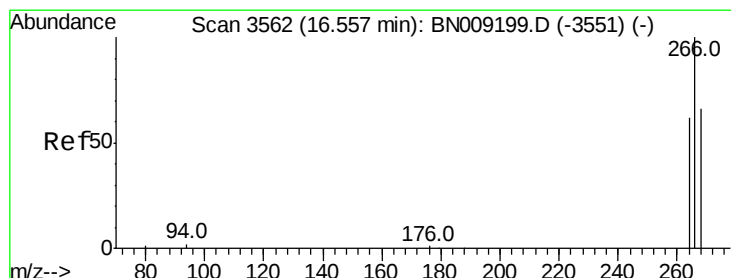
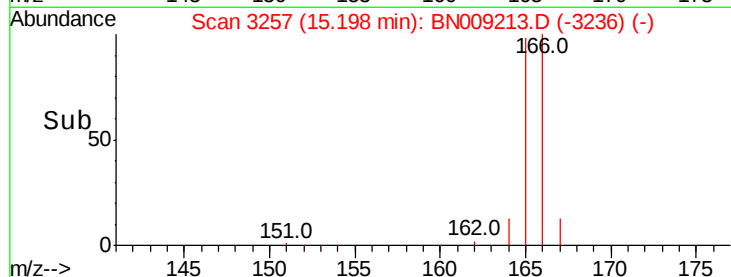
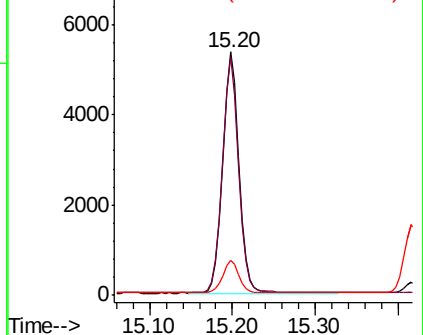
167 14.4 11.0 16.6



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: 0.470 ng/ul

RT: 16.56 min Scan# 3562

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

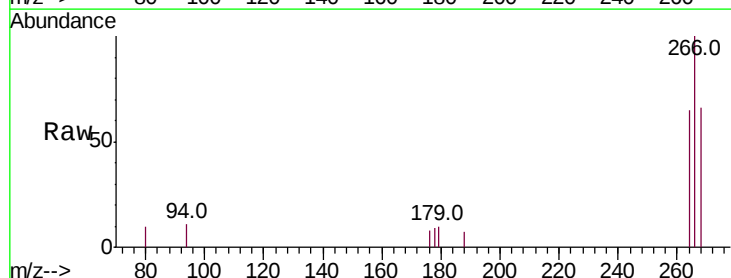
Tgt Ion:266 Resp: 1093

Ion Ratio Lower Upper

266 100

264 63.0 49.9 74.9

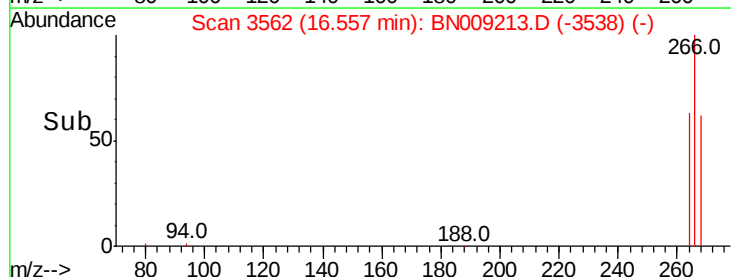
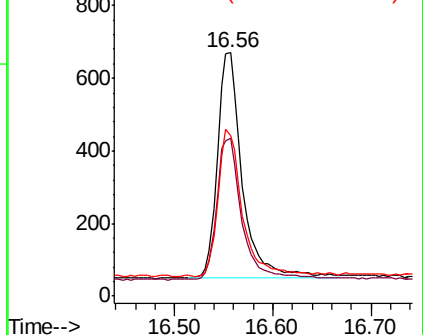
268 64.9 52.1 78.1

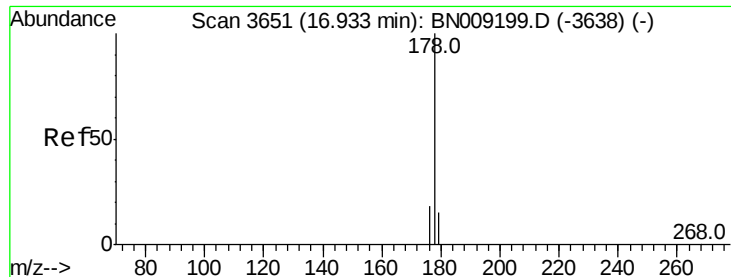


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.396 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

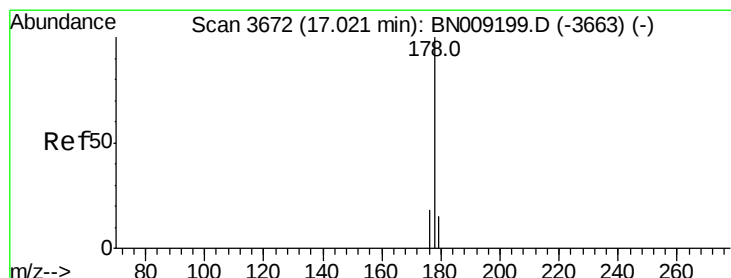
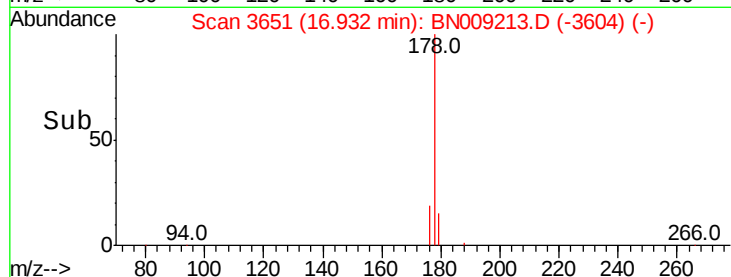
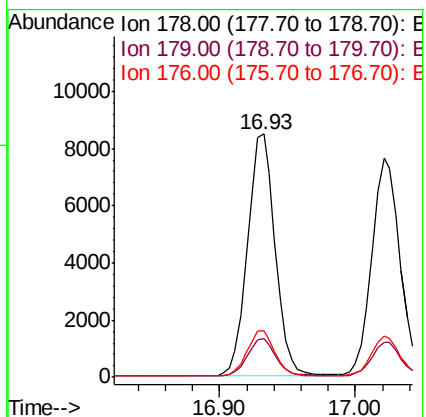
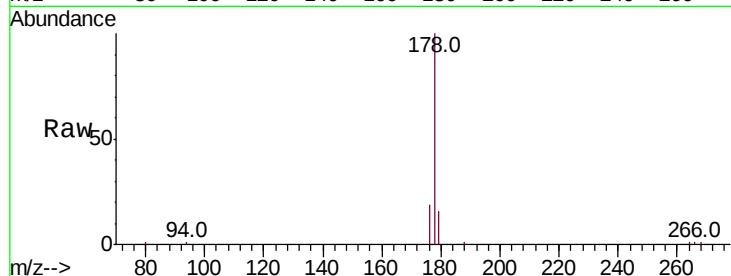
Tot Ion:178 Resp: 12020

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

176 19.3 15.1 22.7



#13

Anthracene

Concen: 0.410 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

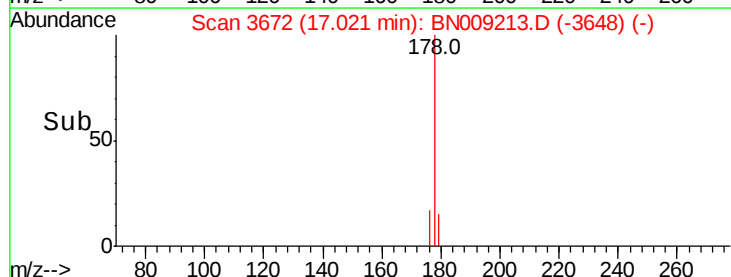
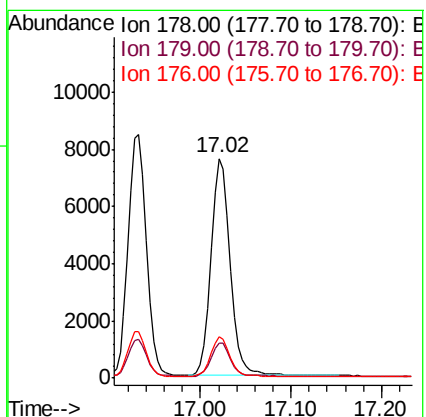
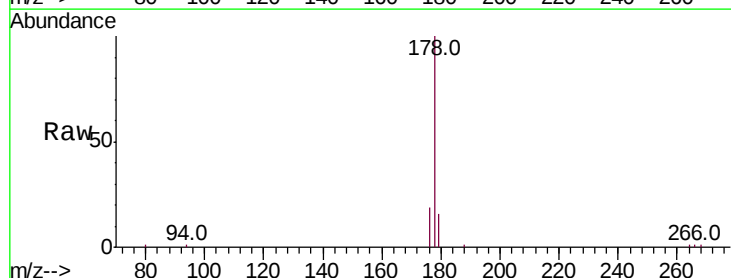
Tgt Ion:178 Resp: 11159

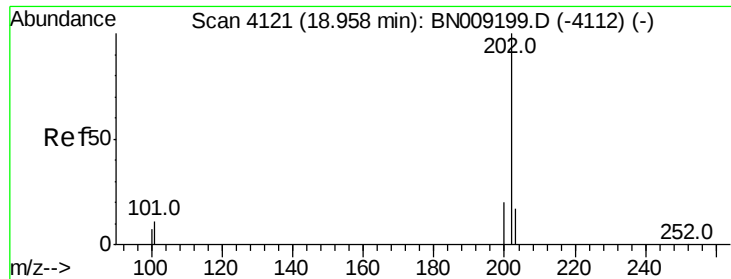
Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 18.9 14.9 22.3





#15

Fluoranthene

Concen: 0.406 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. -0.01 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

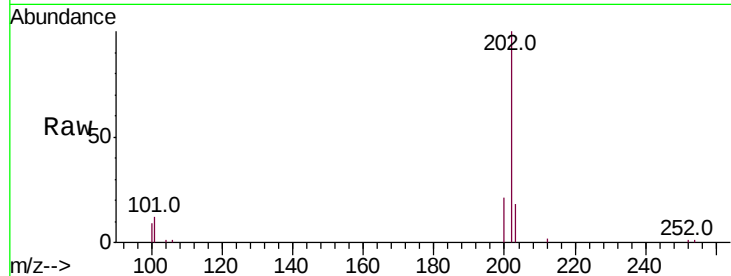
Tot Ion:202 Resp: 14075

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

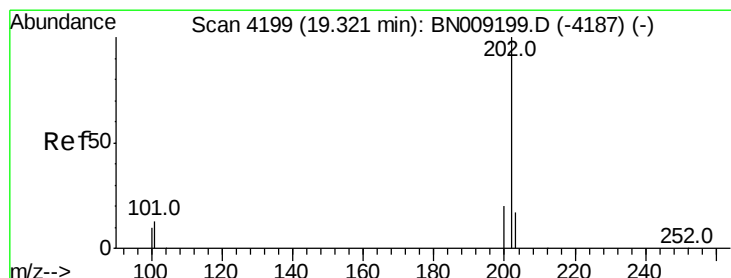
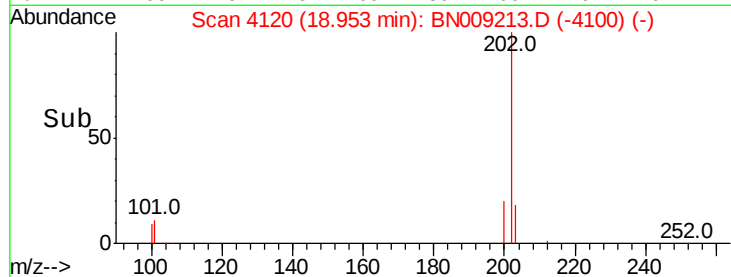
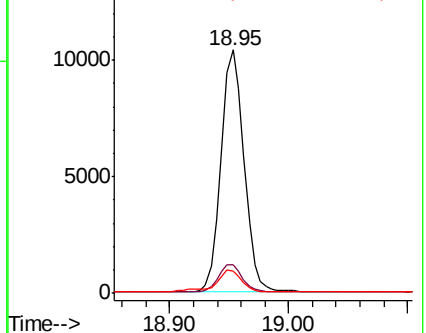
100 9.2 0.0 28.9



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: 0.360 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. -0.01 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

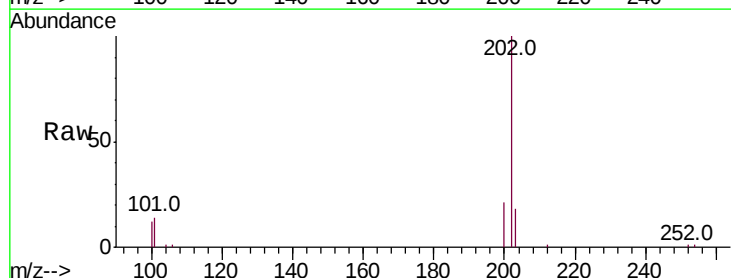
Tgt Ion:202 Resp: 14250

Ion Ratio Lower Upper

202 100

101 14.2 10.9 16.3

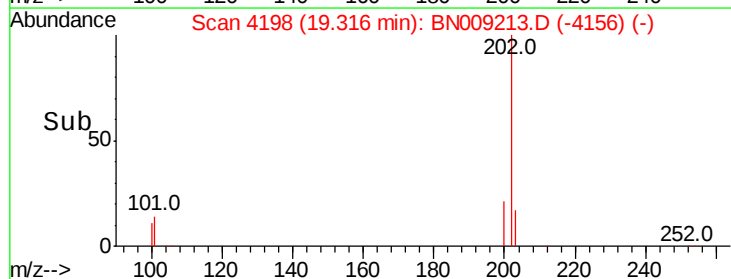
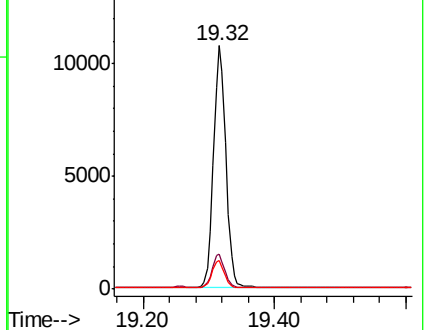
100 11.7 9.0 13.6

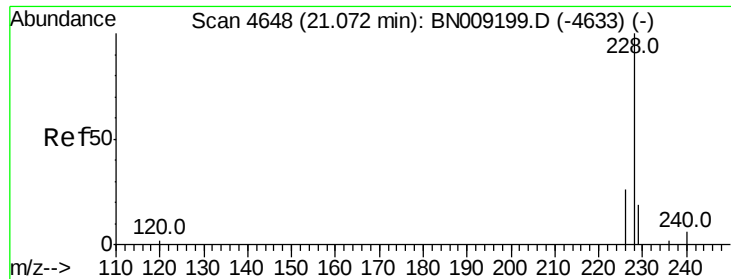


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.400 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

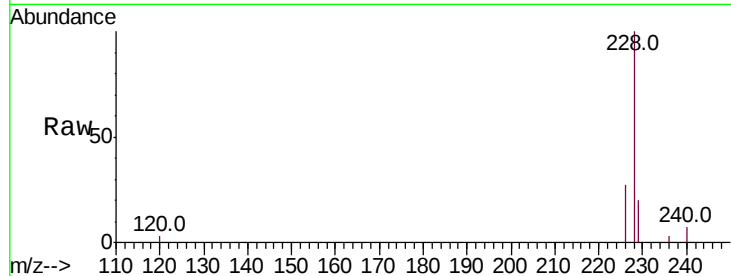
Tot Ion:228 Resp: 13802

Ion Ratio Lower Upper

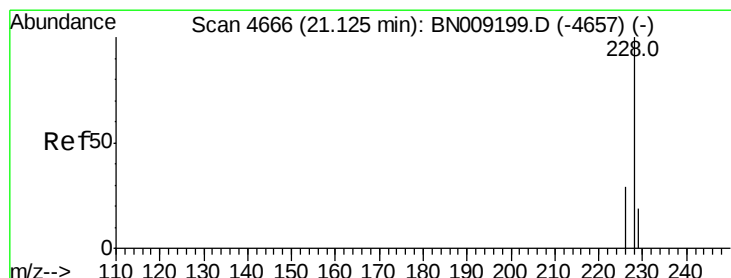
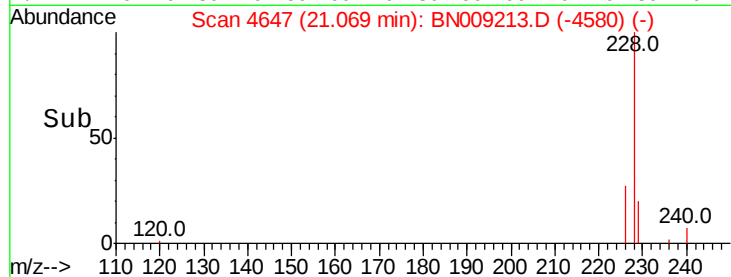
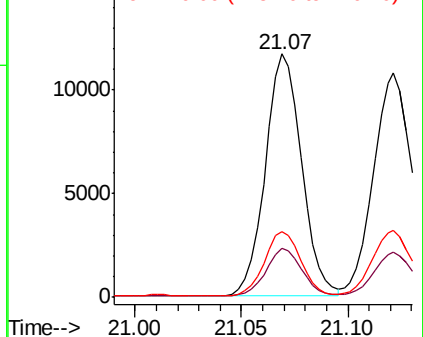
228 100

229 20.1 15.5 23.3

226 27.1 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: 0.400 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

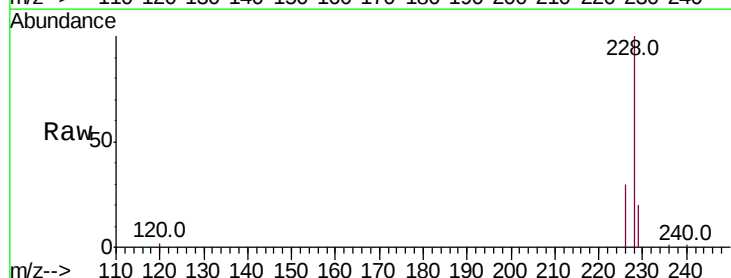
Tgt Ion:228 Resp: 13871

Ion Ratio Lower Upper

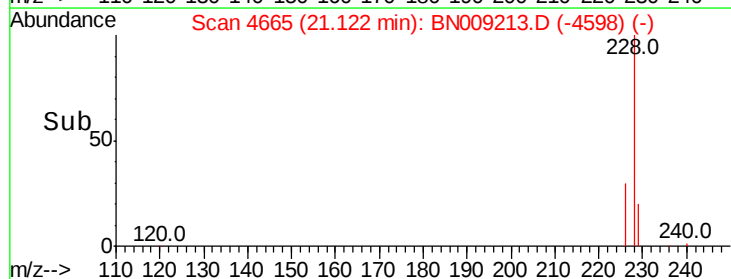
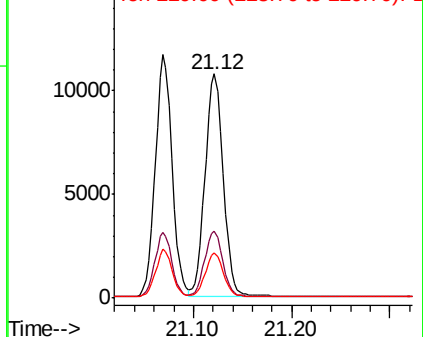
228 100

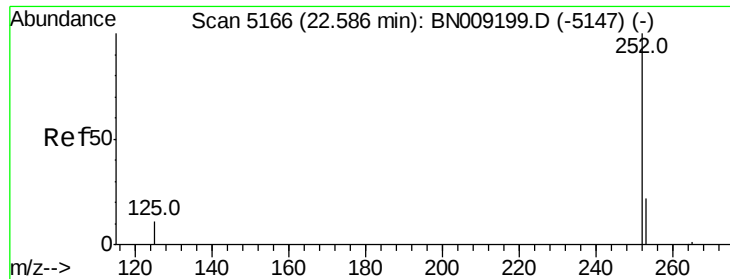
226 30.1 23.7 35.5

229 20.1 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: 0.386 ng/u1

RT: 22.58 min Scan# 5165

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

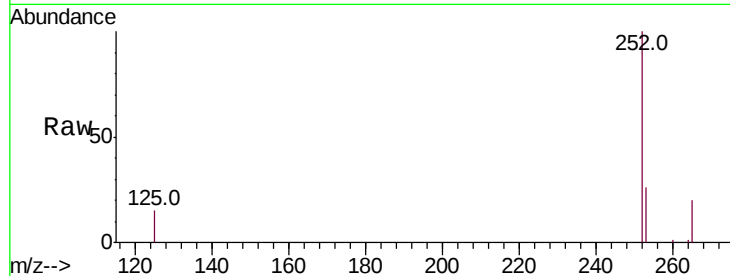
Tot Ion:252 Resp: 14146

Ion Ratio Lower Upper

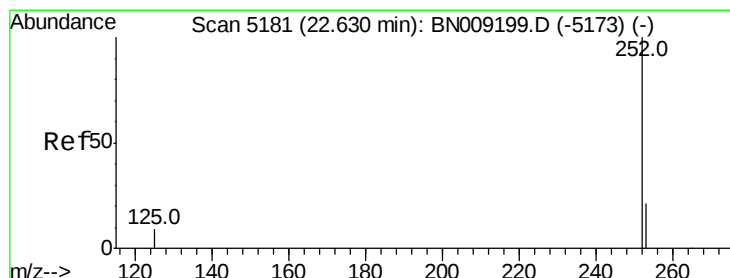
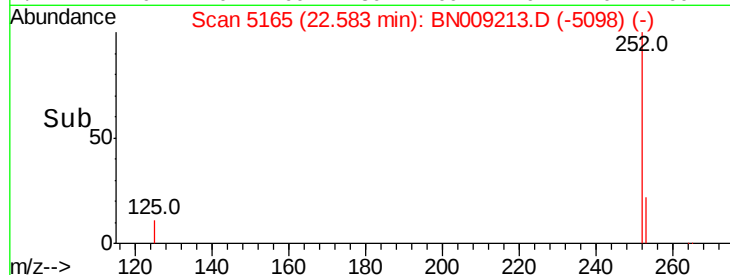
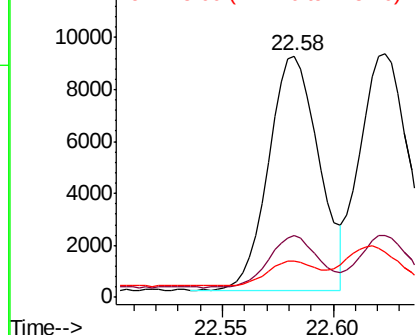
252 100

253 25.5 0.0 48.2

125 15.0 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: 0.383 ng/u1

RT: 22.58 min Scan# 5165

Delta R.T. -0.05 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

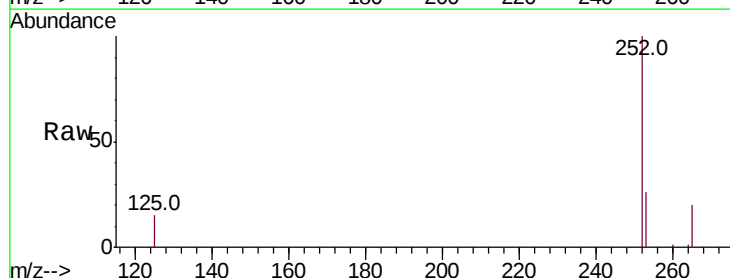
Tgt Ion:252 Resp: 14146

Ion Ratio Lower Upper

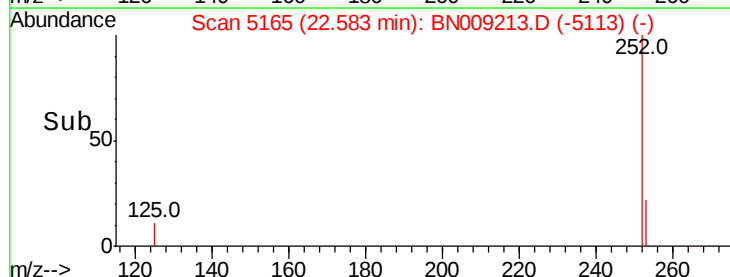
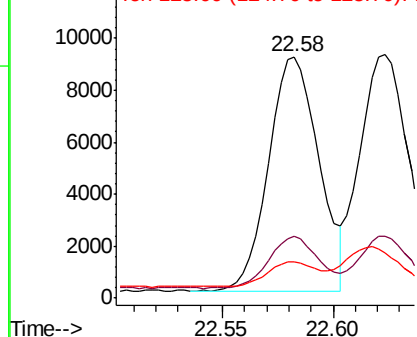
252 100

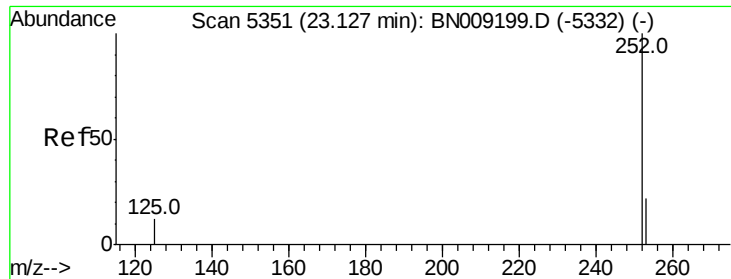
253 25.5 19.4 29.0

125 15.0 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: 0.405 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.01 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

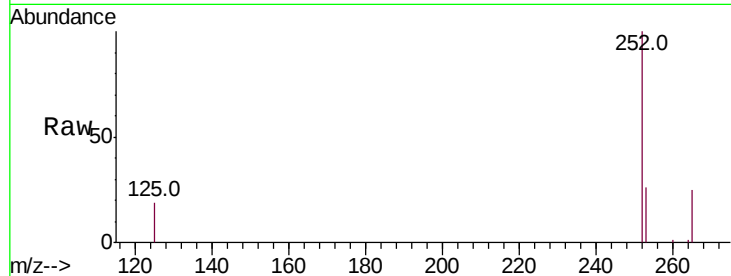
Tot Ion:252 Resp: 13012

Ion Ratio Lower Upper

252 100

253 26.2 20.2 30.4

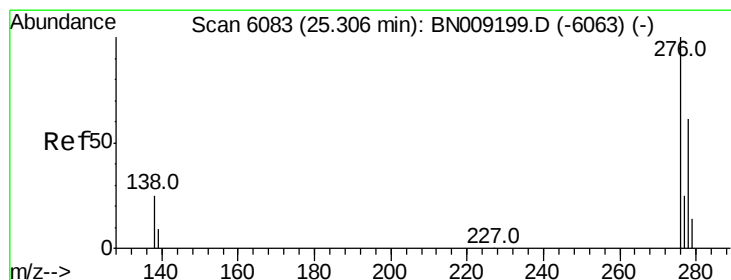
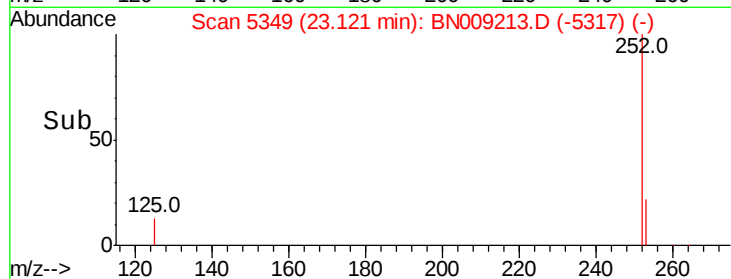
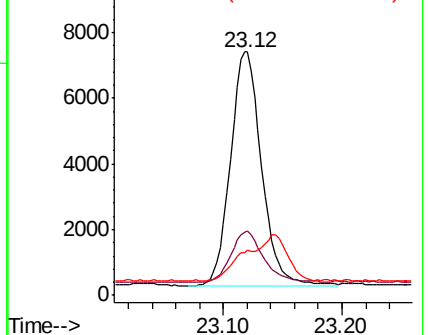
125 18.6 13.2 19.8



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: 0.441 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.00 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

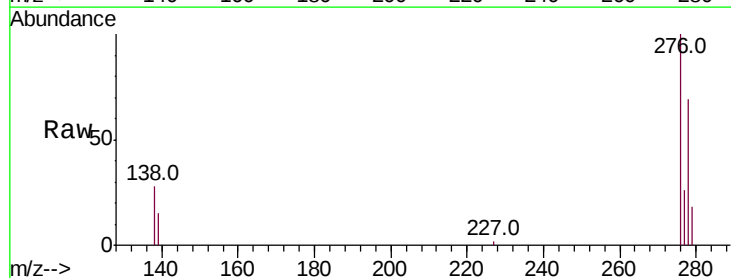
Tgt Ion:276 Resp: 15422

Ion Ratio Lower Upper

276 100

138 26.4 22.4 33.6

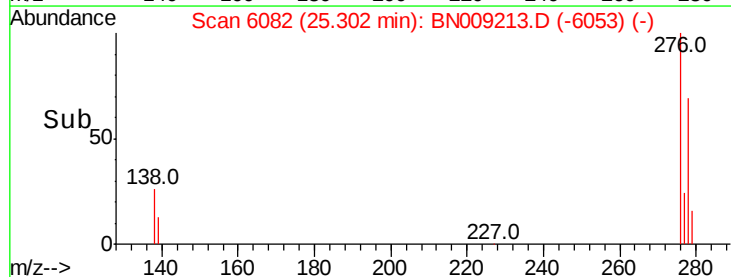
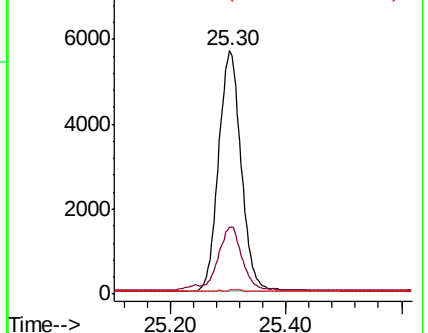
227 0.2 0.2 0.4#

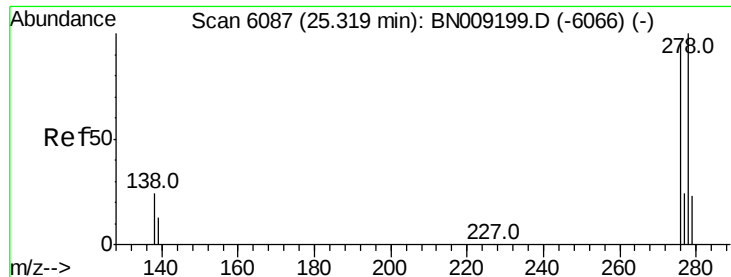


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.447 ng/ul

RT: 25.31 min Scan# 6085

Delta R.T. -0.01 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

Instrument :

BNA_N

ClientSampleId :

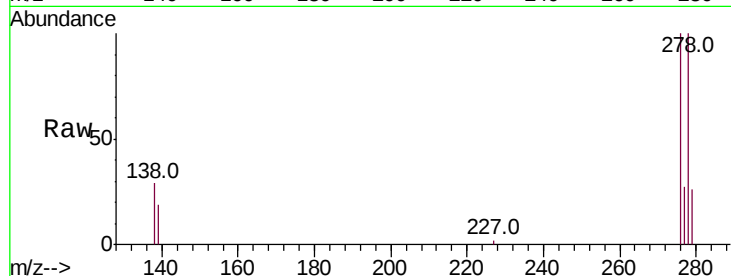
Tot Ion:278 Resp: 12450

Ion Ratio Lower Upper

278 100

139 19.1 16.2 24.2

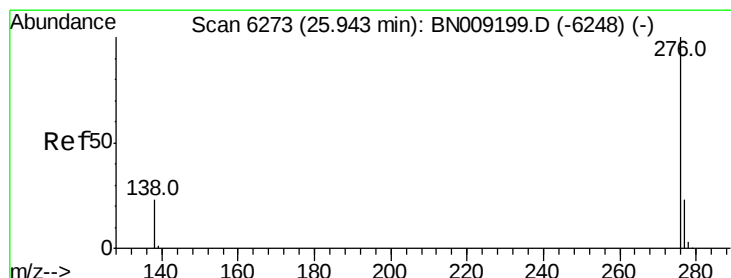
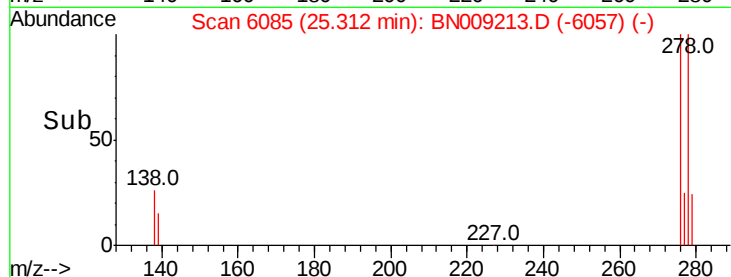
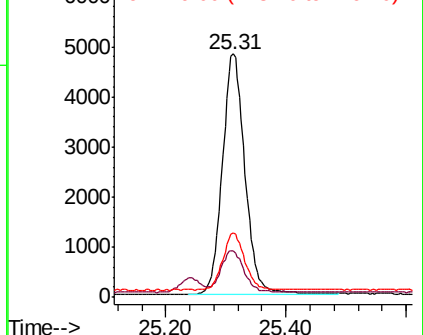
279 26.6 20.3 30.5



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: 0.445 ng/ul

RT: 25.94 min Scan# 6271

Delta R.T. -0.01 min

Lab File: BN009213.D

Acq: 28 Dec 2019 02:17

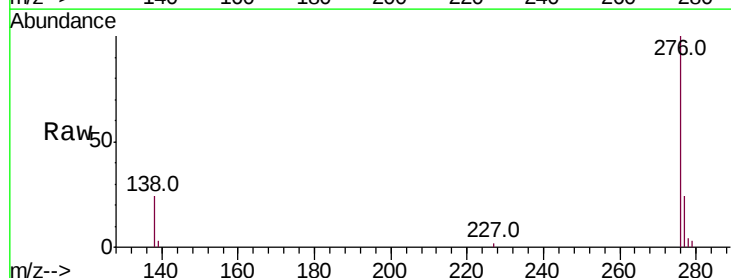
Tgt Ion:276 Resp: 13111

Ion Ratio Lower Upper

276 100

138 23.5 20.6 30.8

277 24.3 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

