

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\
 Data File : BN008290.D
 Acq On : 21 Oct 2019 19:27
 Operator : JU
 Sample : K5178-21DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 22 00:01:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

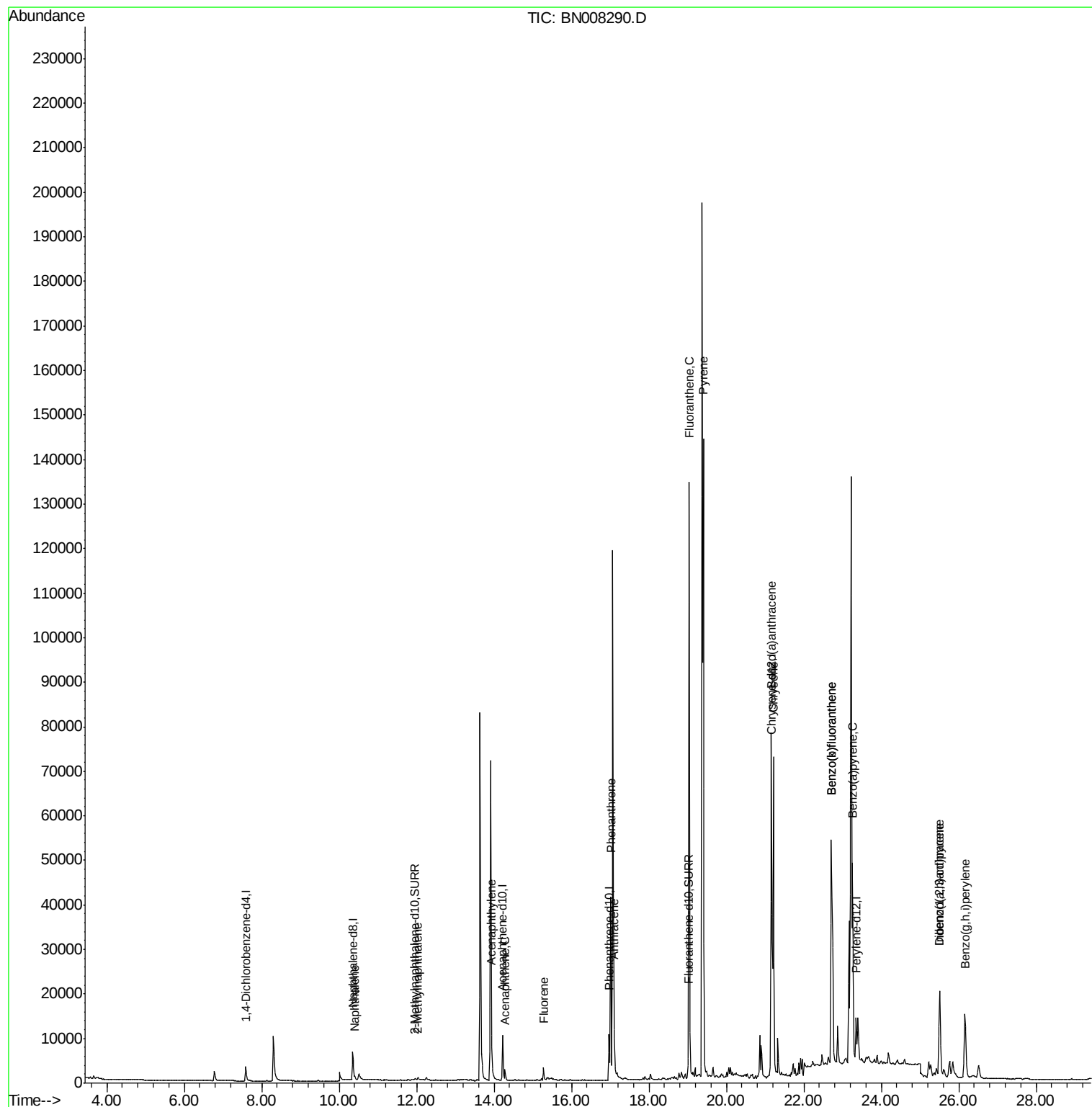
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1965	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	9314	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	5968	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	12730	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13094	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	11282	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	840	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	2921	0.07	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.40	128	1082	0.041	ng/ul#	83
5) 2-Methylnaphthalene	12.03	142	590	0.032	ng/ul	95
7) Acenaphthylene	13.94	152	3596	0.127	ng/ul	96
8) Acenaphthene	14.29	153	1460	0.066	ng/ul	98
9) Fluorene	15.28	166	1964	0.078	ng/ul#	97
12) Phenanthrene	17.01	178	44099	1.183	ng/ul	99
13) Anthracene	17.10	178	8024	0.245	ng/ul	98
15) Fluoranthene	19.04	202	119983	2.437	ng/ul	97
17) Pyrene	19.40	202	120343	2.308	ng/ul	100
18) Benzo(a)anthracene	21.16	228	63896	1.342	ng/ul	98
19) Chrysene	21.22	228	74835	1.281	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	112259	3.057	ng/ul	94
22) Benzo(k)fluoranthene	22.71	252	112259	2.698	ng/ul	94
23) Benzo(a)pyrene	23.26	252	55933	1.447	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.51	276	31745	0.697	ng/ul	99
25) Dibenzo(a,h)anthracene	25.51	278	7503	0.209	ng/ul	92
26) Benzo(a,h,i)perylene	26.16	276	30071	0.720	ng/ul	98

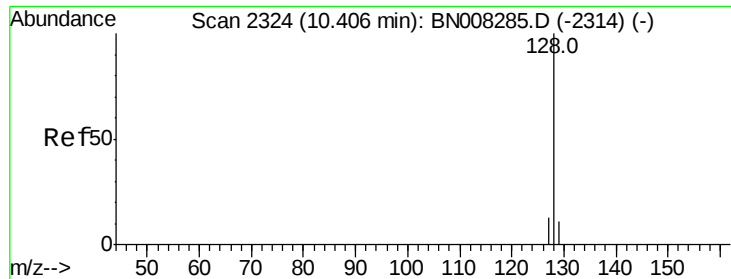
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.041 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

Instrument :

BNA_N

ClientSampleId :

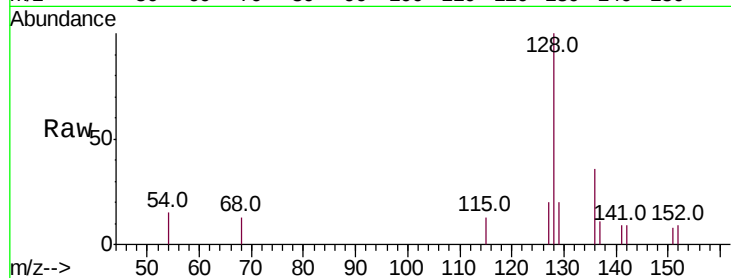
Tot Ion:128 Resp: 1082

Ion Ratio Lower Upper

128 100

129 20.0 9.8 14.8#

127 19.9 11.1 16.7#



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

10.40

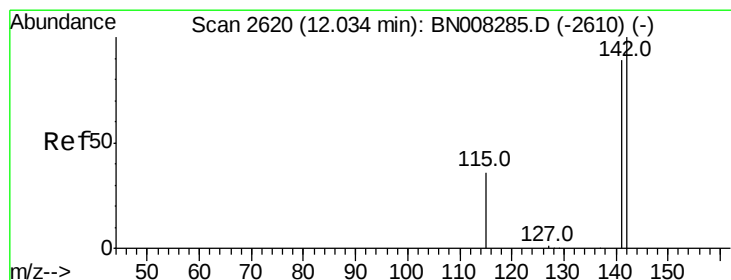
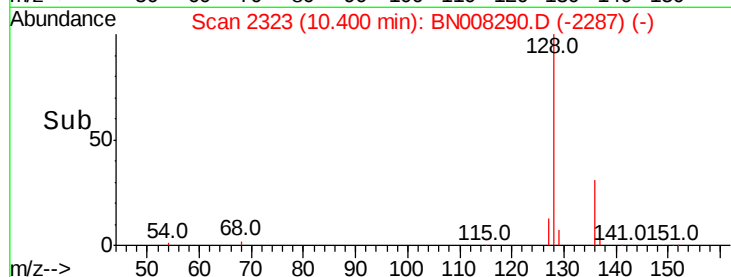
600

400

200

0

Time--> 10.30 10.40 10.50



#5

2-Methylnaphthalene

Concen: 0.032 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BN008290.D

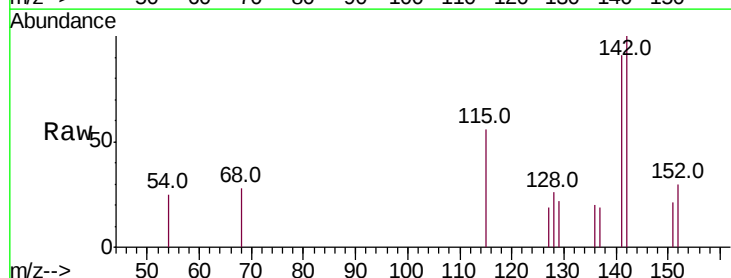
Acq: 21 Oct 2019 19:27

Tgt Ion:142 Resp: 590

Ion Ratio Lower Upper

142 100

141 84.9 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

300

250

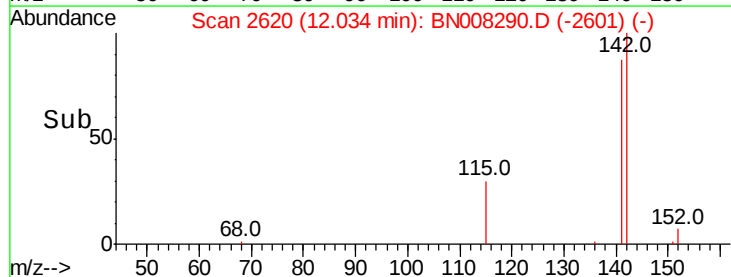
200

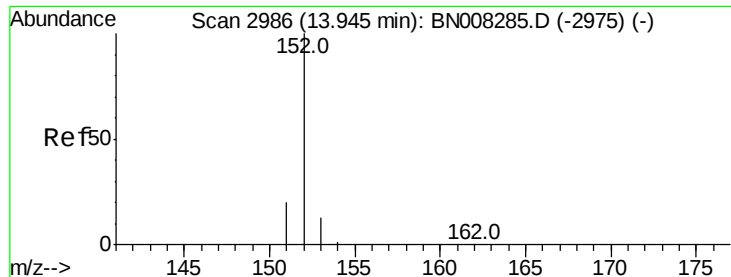
150

100

50

Time--> 12.00 12.10 12.20





#7

Acenaphthylene

Concen: 0.127 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

Instrument :

BNA_N

ClientSampled :

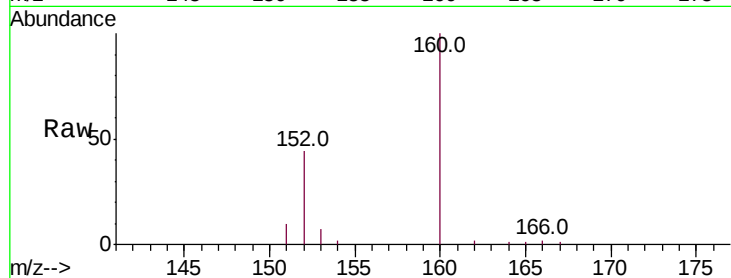
Tot Ion:152 Resp: 3596

Ion Ratio Lower Upper

152 100

151 21.9 16.2 24.4

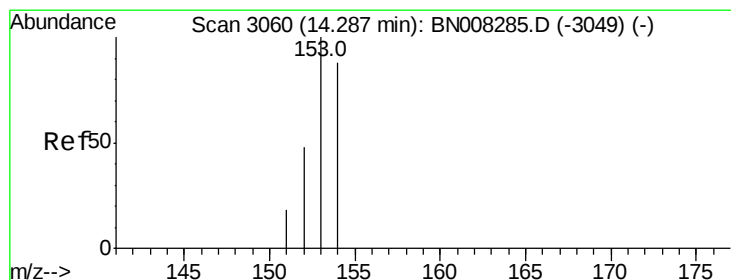
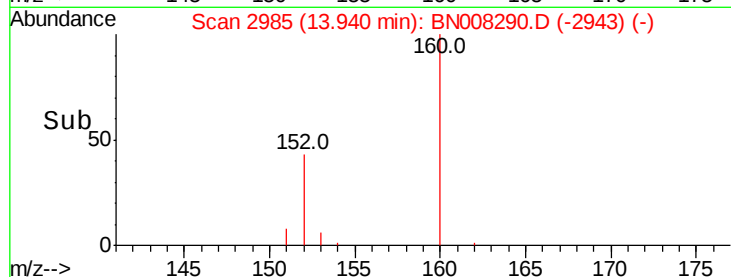
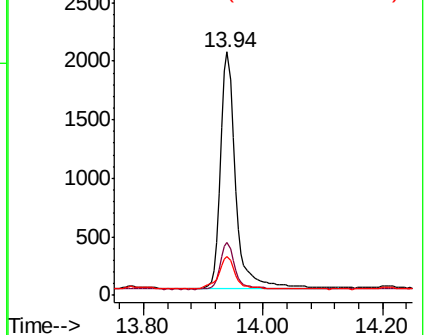
153 15.7 11.0 16.4



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: 0.066 ng/ul

RT: 14.29 min Scan# 3060

Delta R.T. 0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

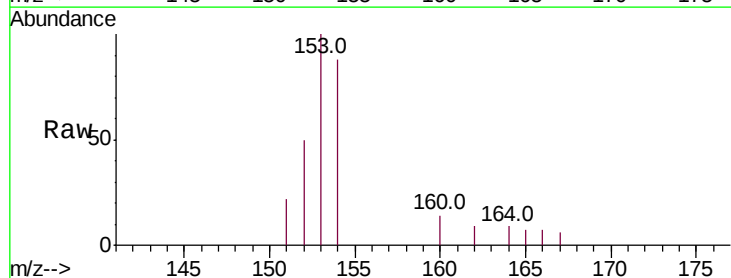
Tgt Ion:153 Resp: 1460

Ion Ratio Lower Upper

153 100

152 49.8 38.2 57.2

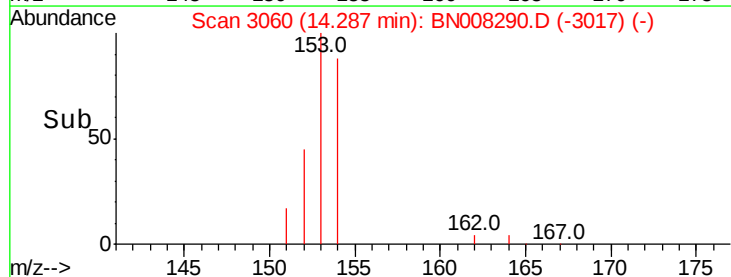
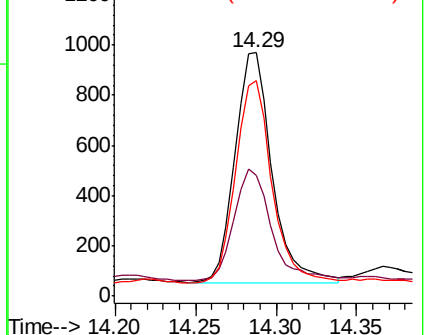
154 88.5 71.8 107.8

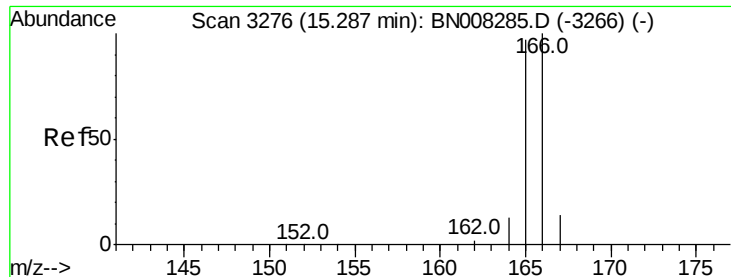


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.078 ng/ul

RT: 15.28 min Scan# 3274

Delta R.T. -0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

Instrument :

BNA_N

ClientSampleId :

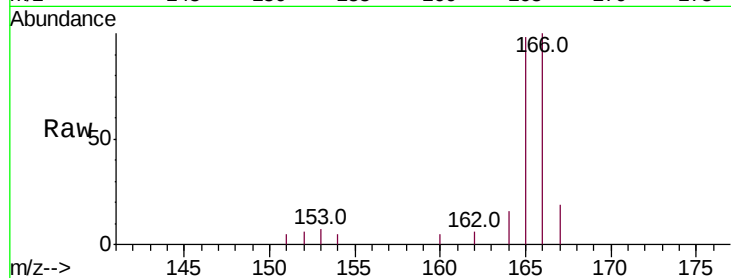
Tot Ion:166 Resp: 1964

Ion Ratio Lower Upper

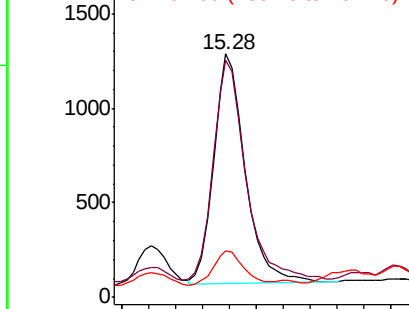
166 100

165 97.6 76.6 115.0

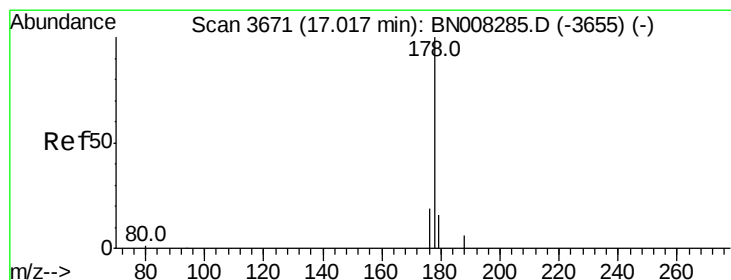
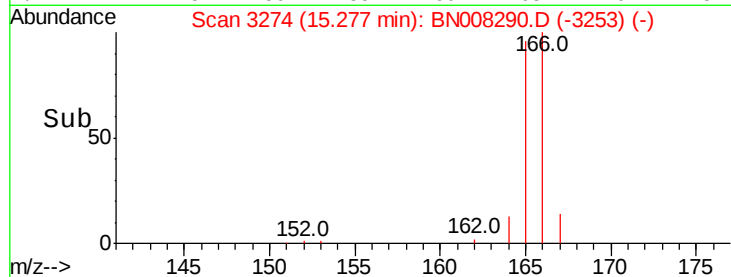
167 19.3 11.7 17.5#



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



Time--> 15.20 15.30



#12

Phenanthrene

Concen: 1.183 ng/ul

RT: 17.01 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

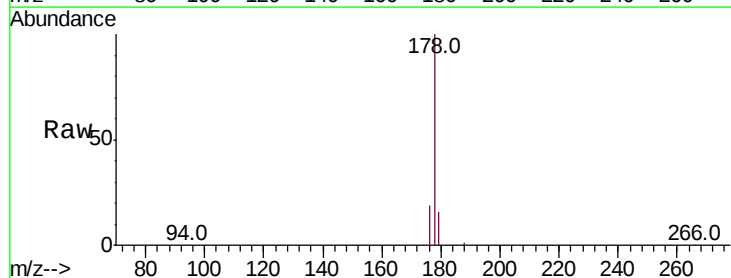
Tgt Ion:178 Resp: 44099

Ion Ratio Lower Upper

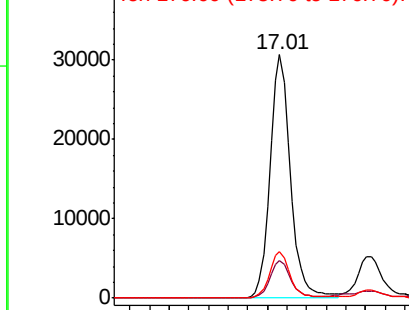
178 100

179 15.6 12.8 19.2

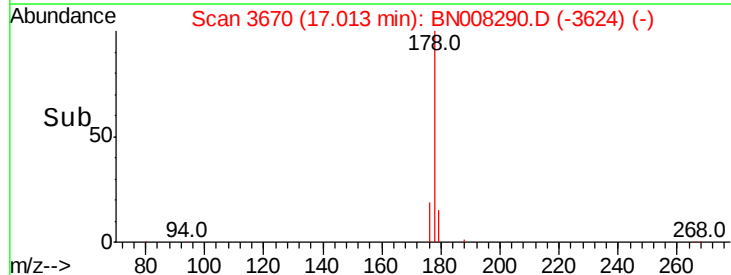
176 18.9 15.4 23.2

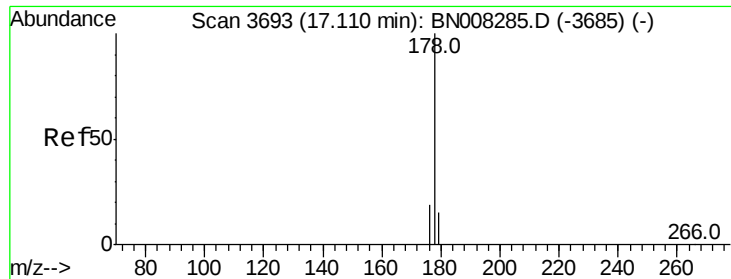


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time--> 16.90 17.00 17.10





#13

Anthracene

Concen: 0.245 ng/ul

RT: 17.10 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

Instrument :

BNA_N

ClientSampleId :

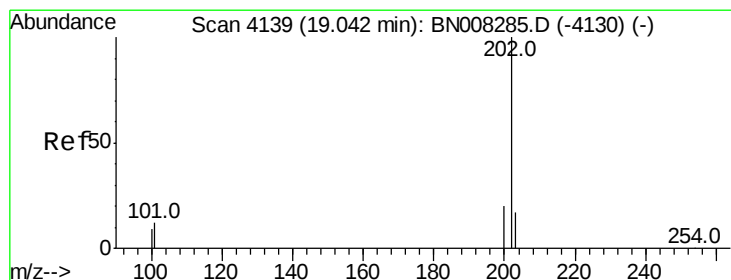
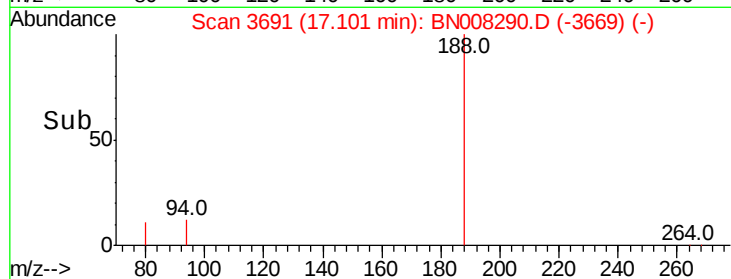
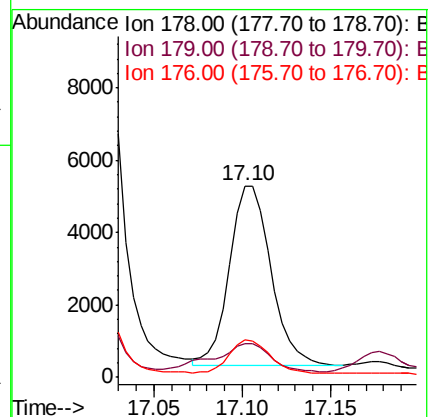
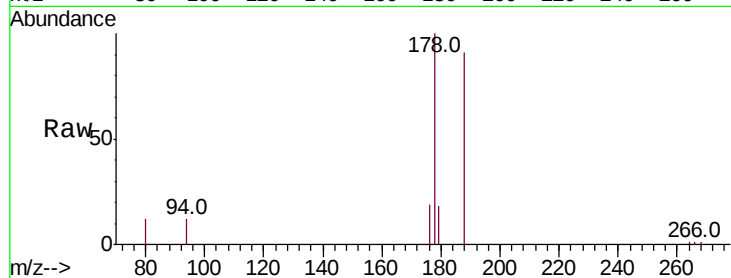
Tot Ion:178 Resp: 8024

Ion Ratio Lower Upper

178 100

179 17.7 13.0 19.6

176 19.3 15.0 22.6



#15

Fluoranthene

Concen: 2.437 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

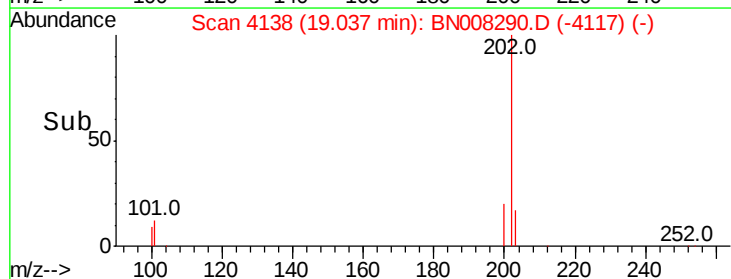
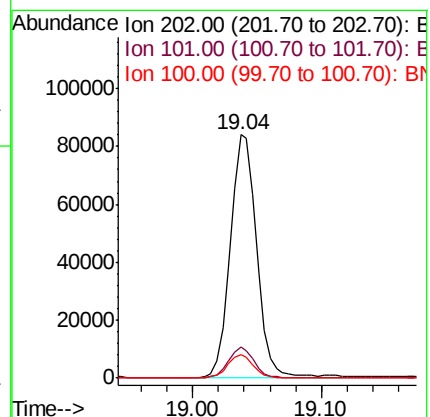
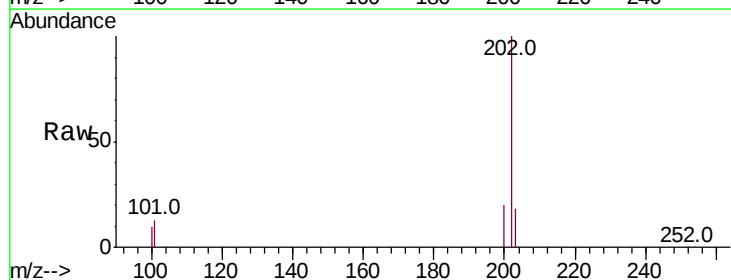
Tgt Ion:202 Resp: 119983

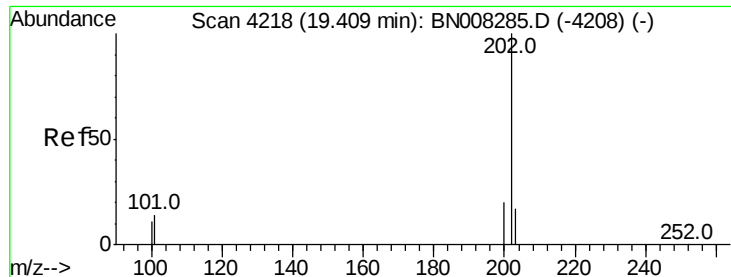
Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.2

100 9.6 0.0 28.5

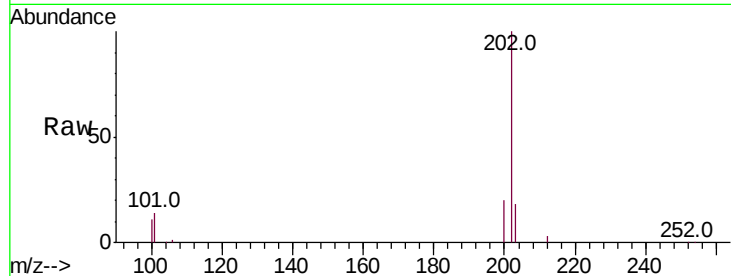




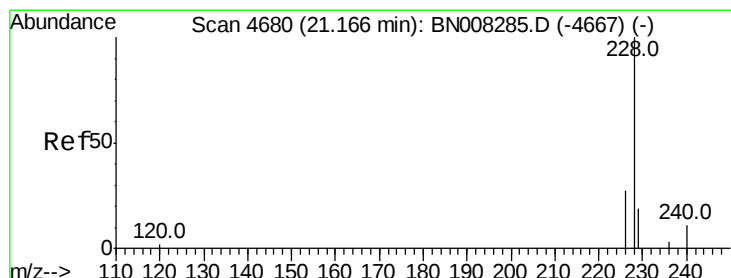
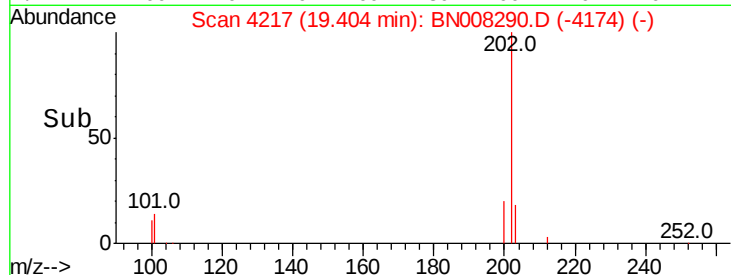
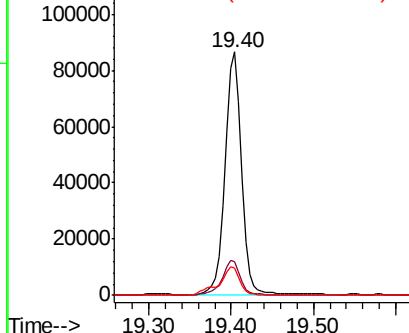
#17
Pvrene
Concen: 2.308 ng/ul
RT: 19.40 min Scan# 4217
Delta R.T. 0.00 min
Lab File: BN008290.D
Acq: 21 Oct 2019 19:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.9	16.3
100	11.0	8.7	13.1

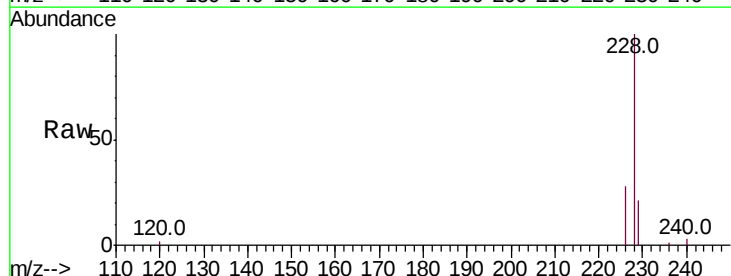


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

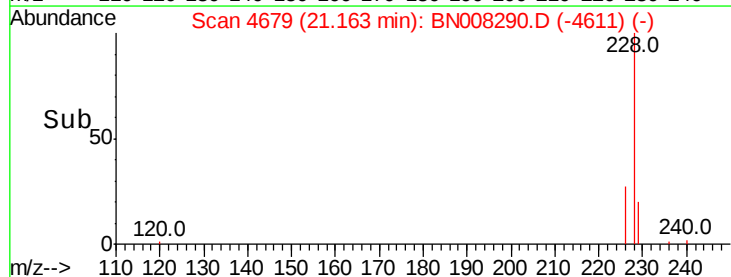
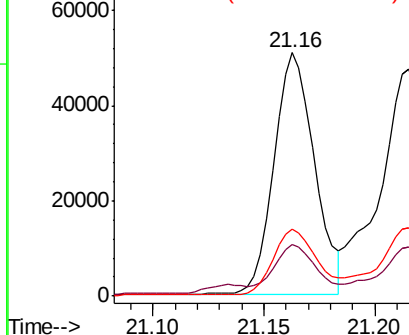


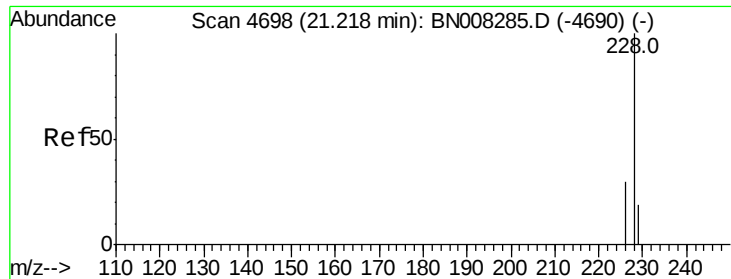
#18
Benzo(a)anthracene
Concen: 1.342 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.00 min
Lab File: BN008290.D
Acq: 21 Oct 2019 19:27

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.2	24.2
226	27.6	21.4	32.0



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: 1.281 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. 0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

Instrument :

BNA_N

ClientSampleId :

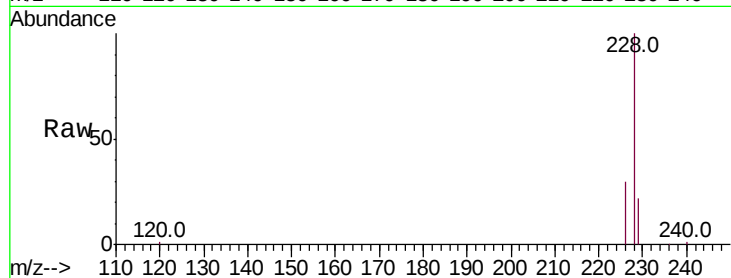
Tot Ion:228 Resp: 74835

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

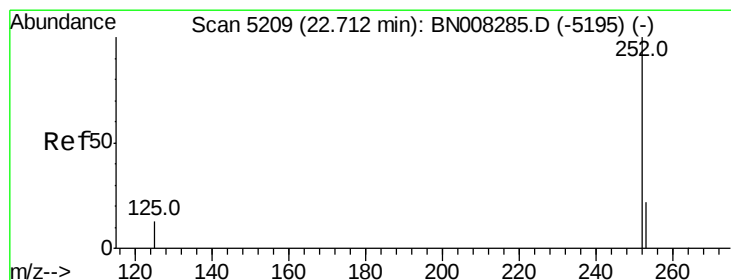
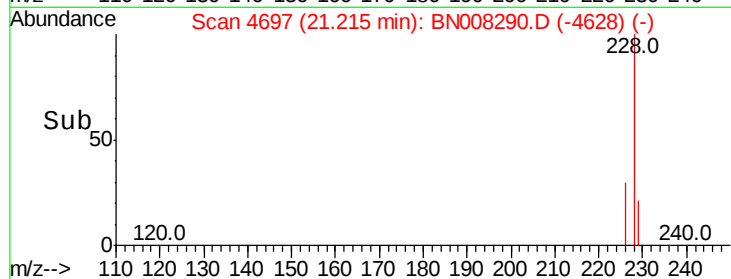
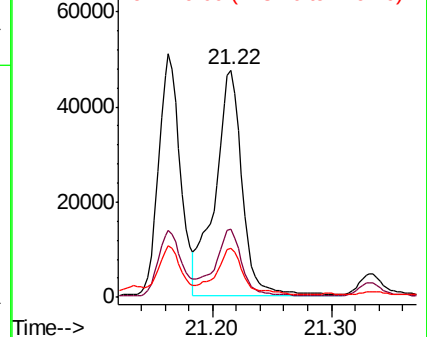
229 21.6 16.2 24.2



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: 3.057 ng/ul

RT: 22.71 min Scan# 5209

Delta R.T. 0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

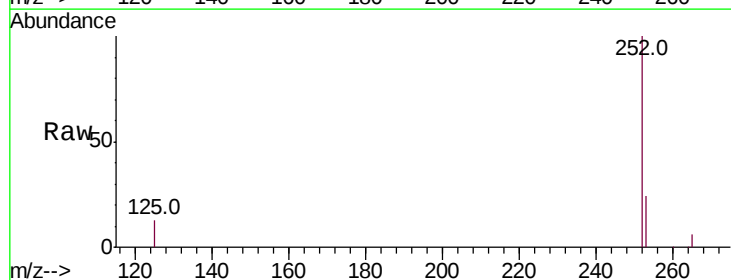
Tgt Ion:252 Resp: 112259

Ion Ratio Lower Upper

252 100

253 23.6 0.0 53.4

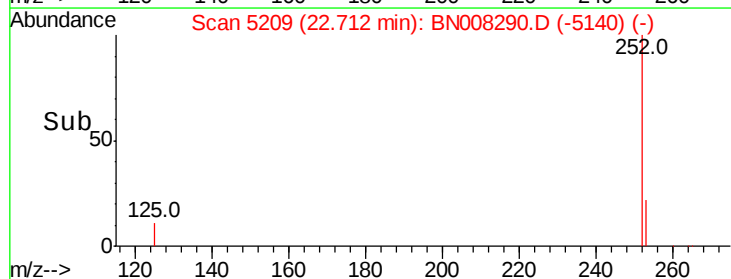
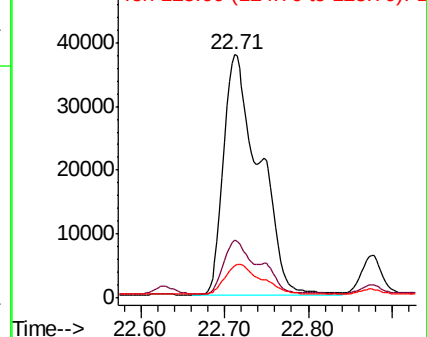
125 13.1 0.0 32.4

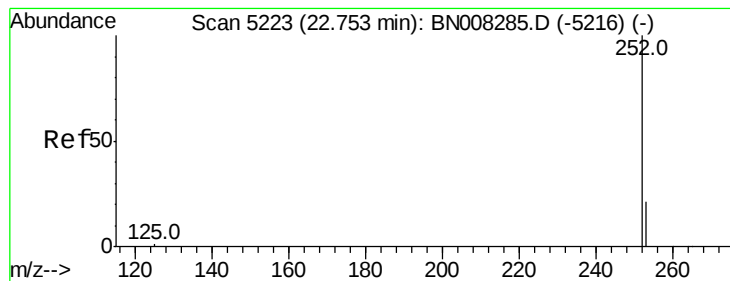


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.698 ng/ul

RT: 22.71 min Scan# 5209

Delta R.T. -0.04 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

Instrument :

BNA_N

ClientSampleId :

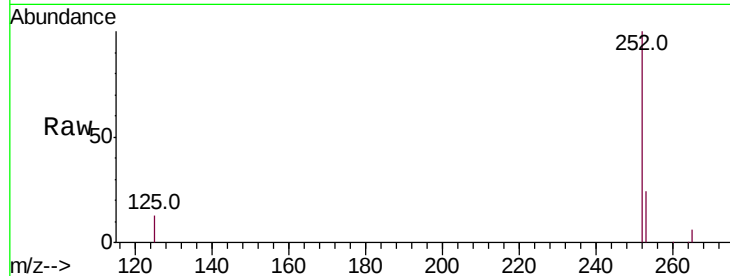
Tot Ion:252 Resp: 112259

Ion Ratio Lower Upper

252 100

253 23.6 21.3 31.9

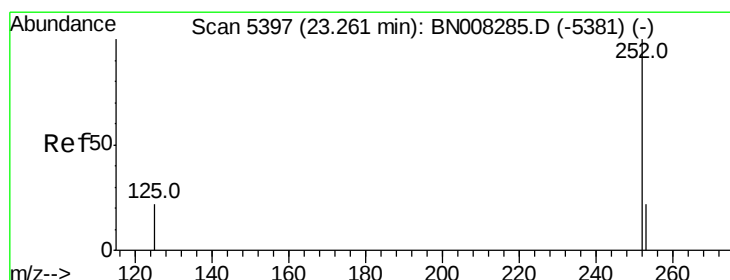
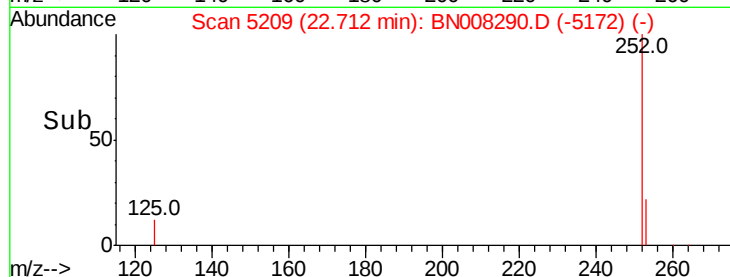
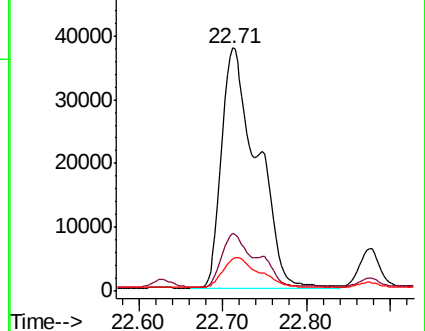
125 13.1 12.3 18.5



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: 1.447 ng/ul

RT: 23.26 min Scan# 5397

Delta R.T. 0.00 min

Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

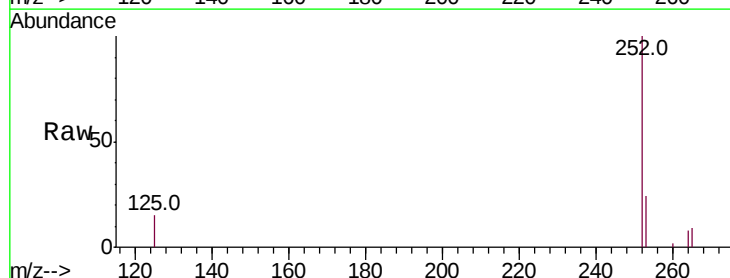
Tgt Ion:252 Resp: 55933

Ion Ratio Lower Upper

252 100

253 23.8 22.8 34.2

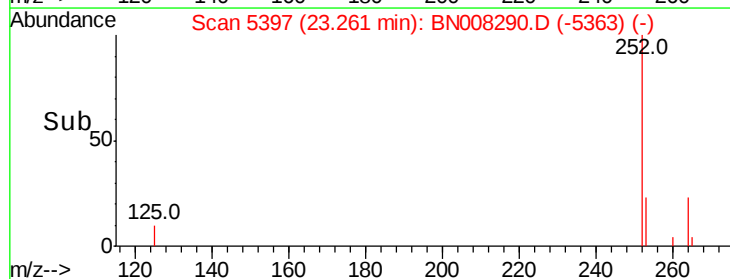
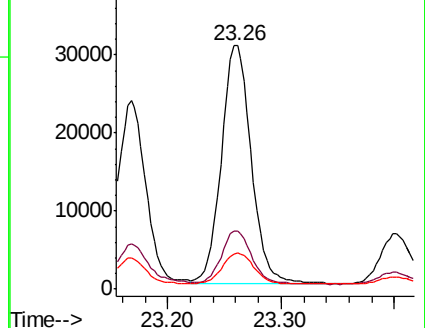
125 14.9 18.4 27.6#

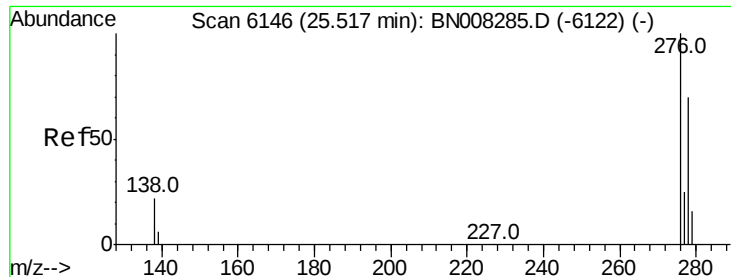


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



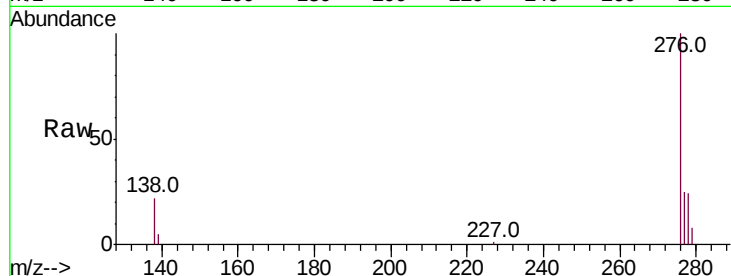


#24

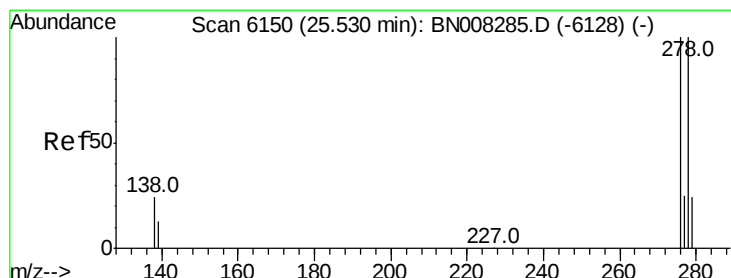
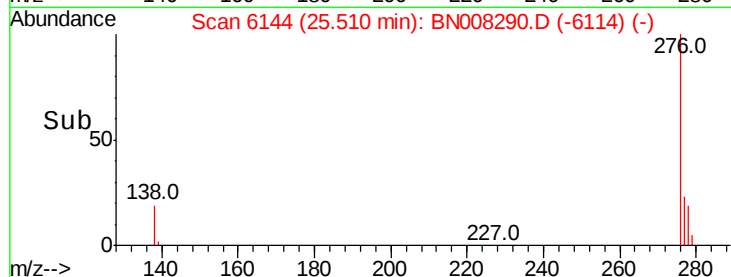
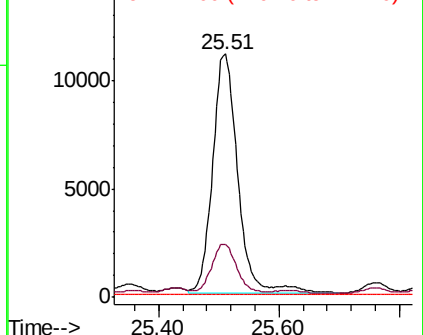
Indeno(1,2,3-cd)pyrene
Concen: 0.697 ng/ul
RT: 25.51 min Scan# 6144
Delta R.T. 0.00 min
Lab File: BN008290.D
Acq: 21 Oct 2019 19:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 31745
Ion Ratio Lower Upper
276 100
138 19.5 16.1 24.1
227 0.2 0.2 0.2



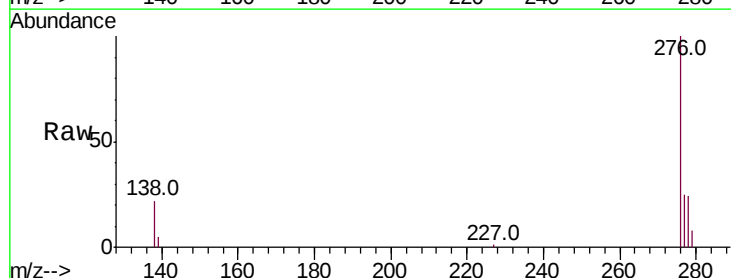
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



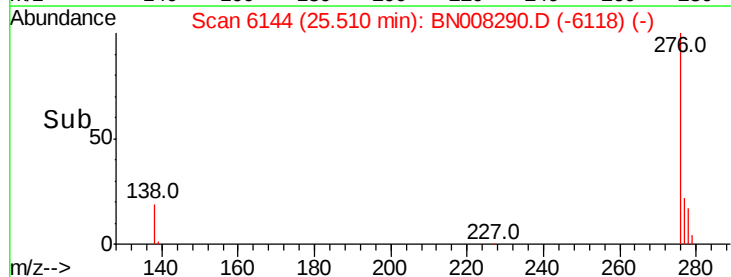
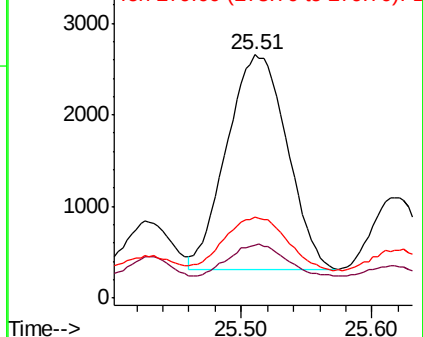
#25

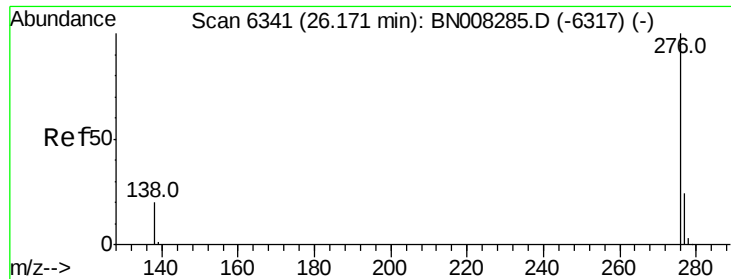
Dibenzo(a,h)anthracene
Concen: 0.209 ng/ul
RT: 25.51 min Scan# 6144
Delta R.T. -0.01 min
Lab File: BN008290.D
Acq: 21 Oct 2019 19:27

Tgt Ion:278 Resp: 7503
Ion Ratio Lower Upper
278 100
139 21.6 15.0 22.6
279 33.1 22.4 33.6



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(a,h,i)perylene

Concen: 0.720 ng/ul

RT: 26.16 min Scan# 6339

Delta R.T. -0.00 min

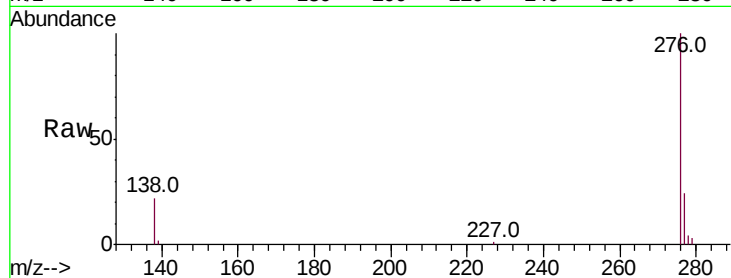
Lab File: BN008290.D

Acq: 21 Oct 2019 19:27

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 30071

Ion Ratio Lower Upper

276 100

138 22.2 17.0 25.4

277 24.4 20.4 30.6

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

