

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\
 Data File : BN008288.D
 Acq On : 21 Oct 2019 18:15
 Operator : JU
 Sample : K5178-10DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 22 00:01:09 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

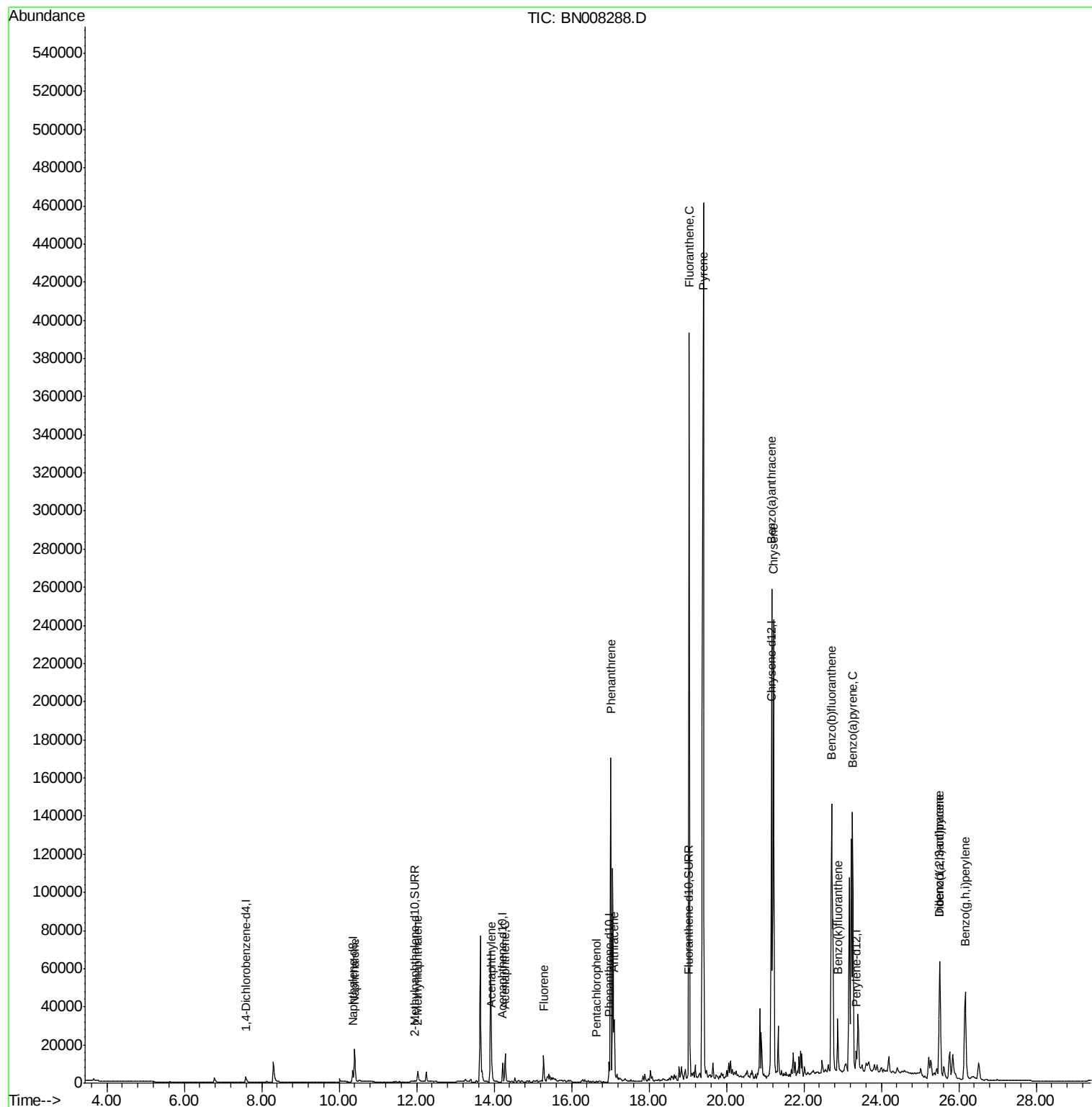
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1846	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	8774	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	5557	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	12016	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	12146	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	12028	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	942	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	3211	0.08	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.40	128	25893	1.037	ng/ul	98
5) 2-Methylnaphthalene	12.03	142	5871	0.343	ng/ul	99
7) Acenaphthylene	13.94	152	8866	0.335	ng/ul	98
8) Acenaphthene	14.28	153	9054	0.440	ng/ul	97
9) Fluorene	15.28	166	9215	0.394	ng/ul	96
11) Pentachlorophenol	16.64	266	109	0.038	ng/ul#	79
12) Phenanthrene	17.01	178	185438	5.271	ng/ul	99
13) Anthracene	17.10	178	32000	1.034	ng/ul	100
15) Fluoranthene	19.04	202	324469	6.983	ng/ul	97
17) Pyrene	19.40	202	383614	7.932	ng/ul	99
18) Benzo(a)anthracene	21.16	228	218433	4.947	ng/ul	98
19) Chrysene	21.22	228	233201	4.303	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	320111	8.175	ng/ul	91
22) Benzo(k)fluoranthene	22.88	252	29211	0.659	ng/ul	99
23) Benzo(a)pyrene	23.26	252	179733	4.362	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.51	276	89064	1.835	ng/ul	98
25) Dibenzo(a,h)anthracene	25.51	278	25160	0.656	ng/ul	99
26) Benzo(g,h,i)perylene	26.16	276	91675	2.060	ng/ul	98

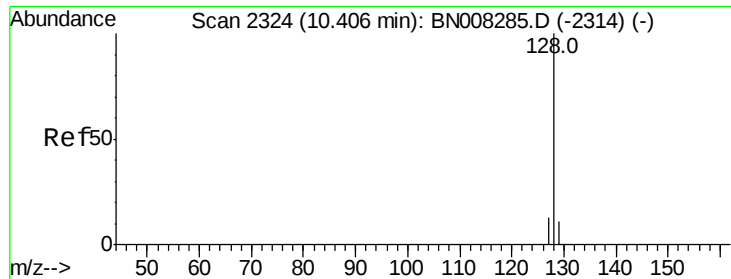
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.037 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

Instrument :

BNA_N

ClientSampleId :

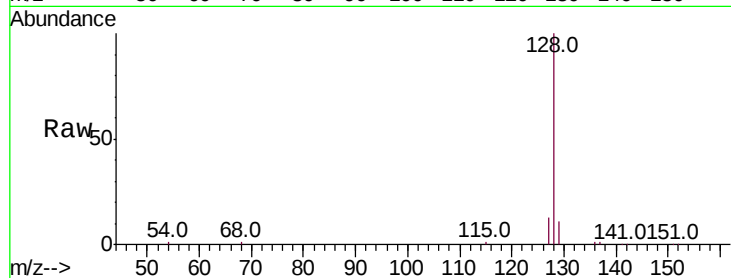
Tot Ion:128 Resp: 25893

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.8

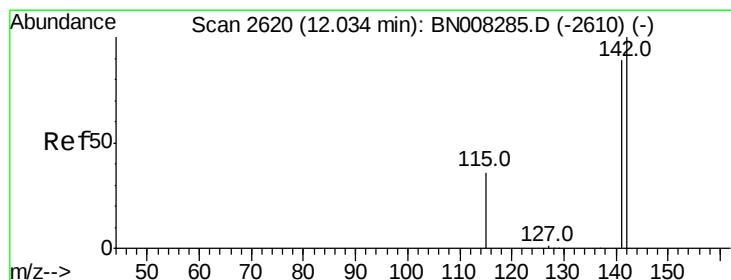
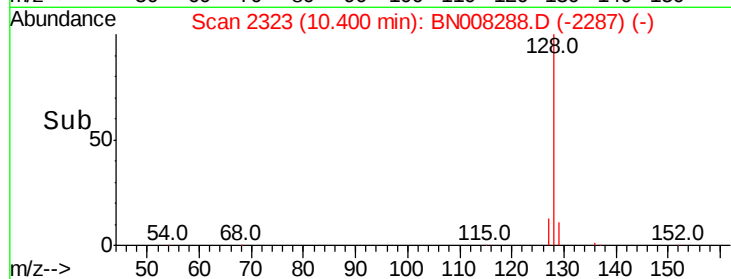
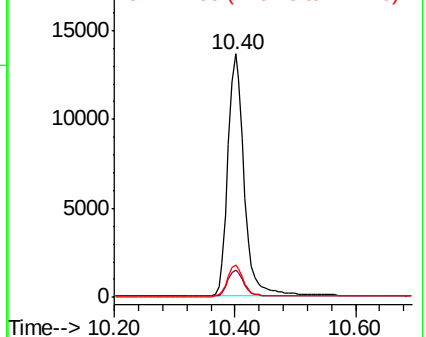
127 13.4 11.1 16.7



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



#5

2-Methylnaphthalene

Concen: 0.343 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BN008288.D

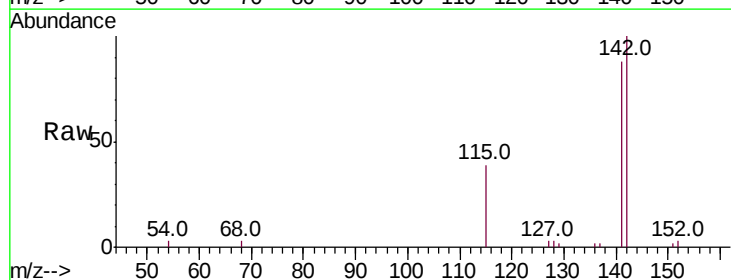
Acq: 21 Oct 2019 18:15

Tgt Ion:142 Resp: 5871

Ion Ratio Lower Upper

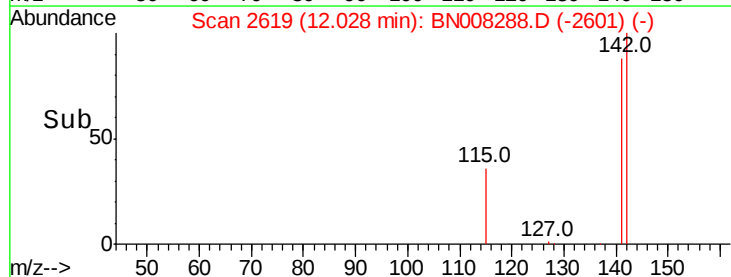
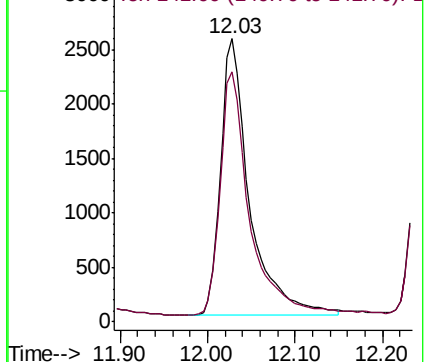
142 100

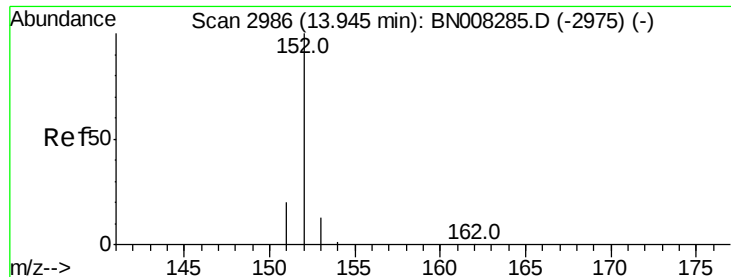
141 88.7 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.335 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

Instrument :

BNA_N

ClientSampleId :

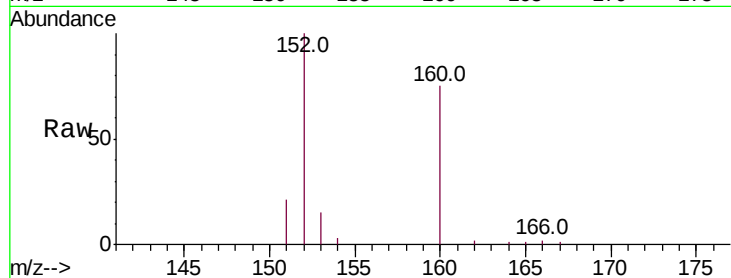
Tot Ion:152 Resp: 8866

Ion Ratio Lower Upper

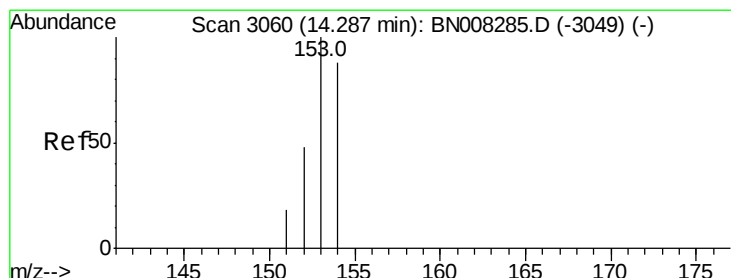
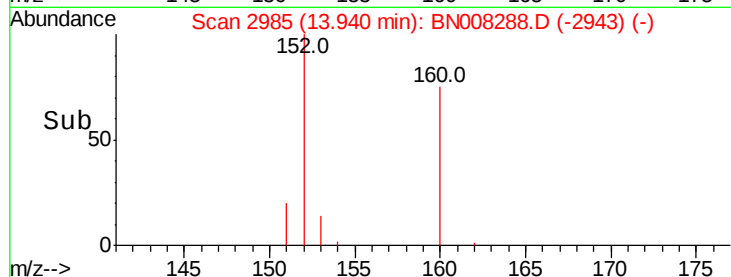
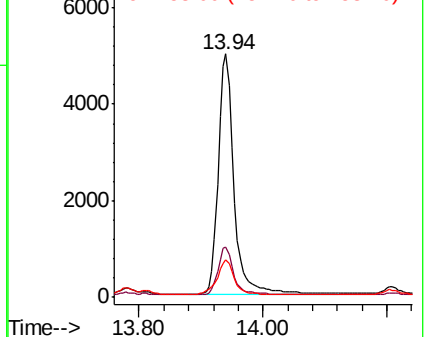
152 100

151 20.7 16.2 24.4

153 15.4 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: 0.440 ng/ul

RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

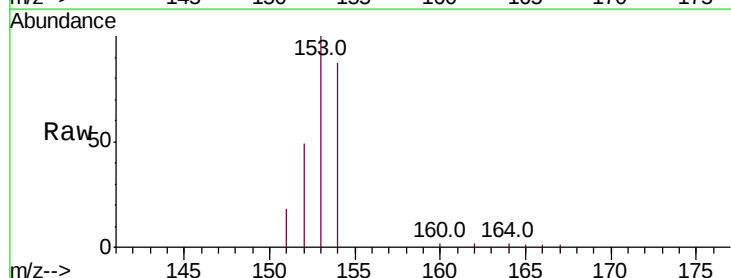
Tgt Ion:153 Resp: 9054

Ion Ratio Lower Upper

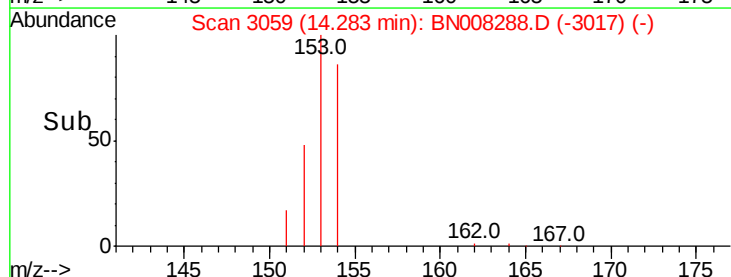
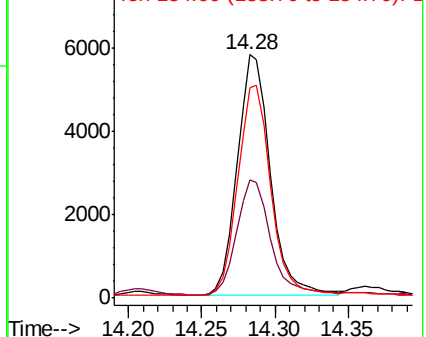
153 100

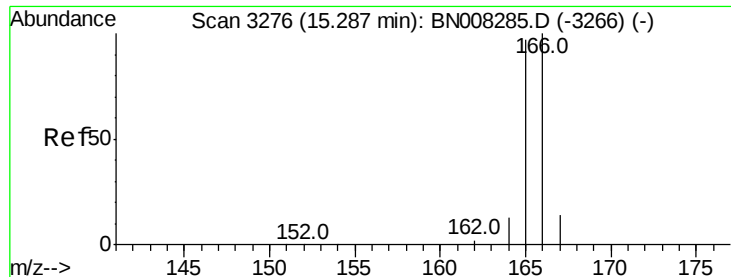
152 48.7 38.2 57.2

154 86.6 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

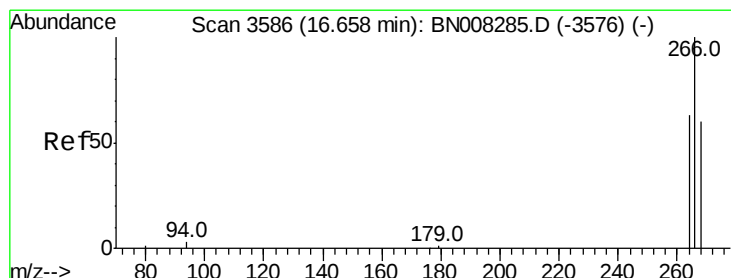
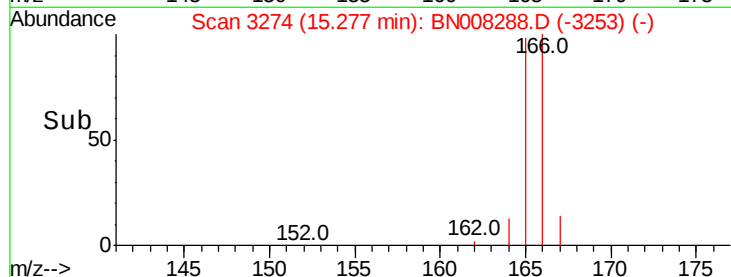
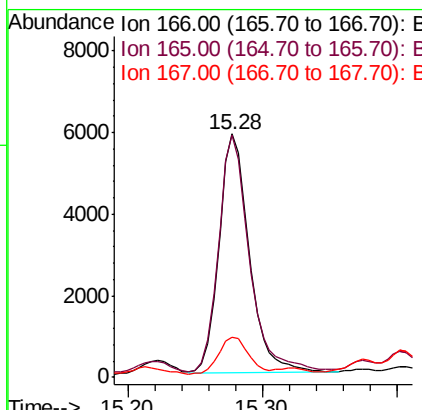
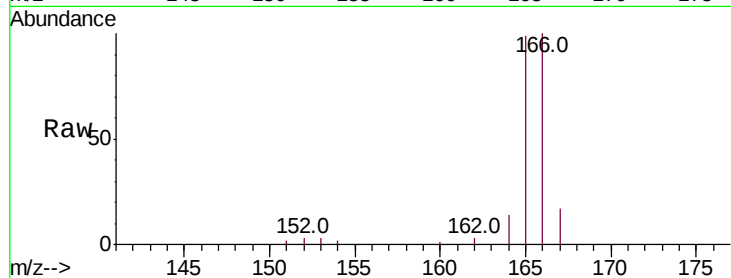




#9
Fluorene
 Concen: 0.394 ng/ul
 RT: 15.28 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: BN008288.D
 Acq: 21 Oct 2019 18:15

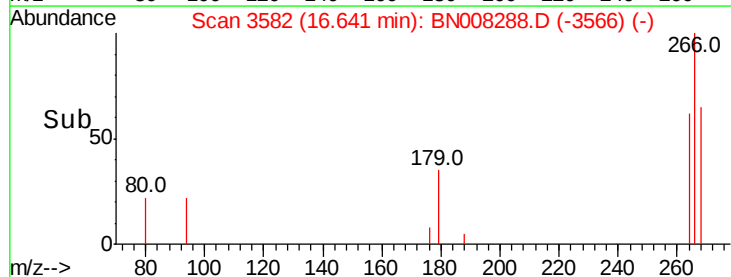
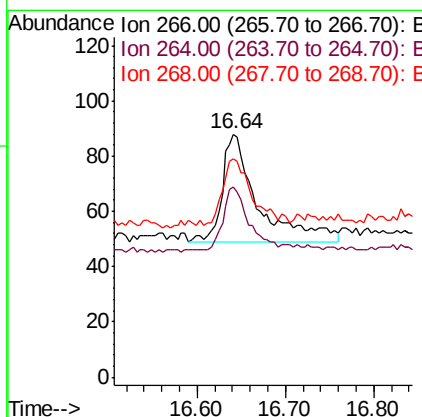
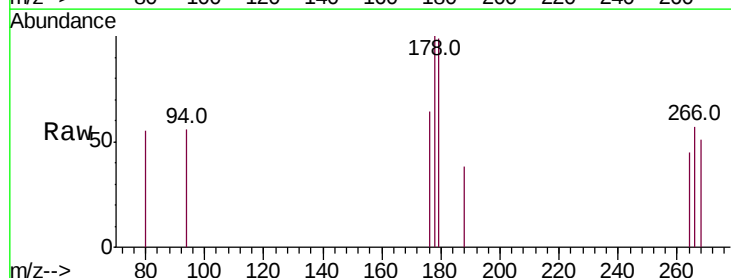
Instrument :
 BNA_N
 ClientSampleId :

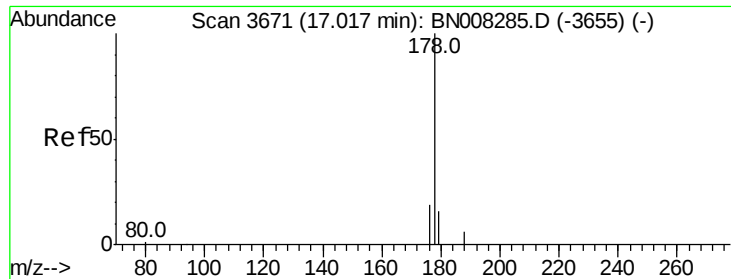
Tot Ion:166 Resp: 9215
 Ion Ratio Lower Upper
 166 100
 165 99.4 76.6 115.0
 167 16.6 11.7 17.5



#11
Pentachlorophenol
 Concen: 0.038 ng/ul
 RT: 16.64 min Scan# 3582
 Delta R.T. -0.03 min
 Lab File: BN008288.D
 Acq: 21 Oct 2019 18:15

Tgt Ion:266 Resp: 109
 Ion Ratio Lower Upper
 266 100
 264 44.0 50.1 75.1#
 268 51.4 51.9 77.9#





#12

Phenanthrene

Concen: 5.271 ng/ul

RT: 17.01 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

Instrument :

BNA_N

ClientSampleId :

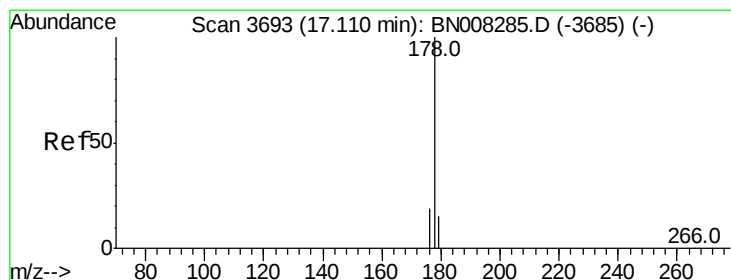
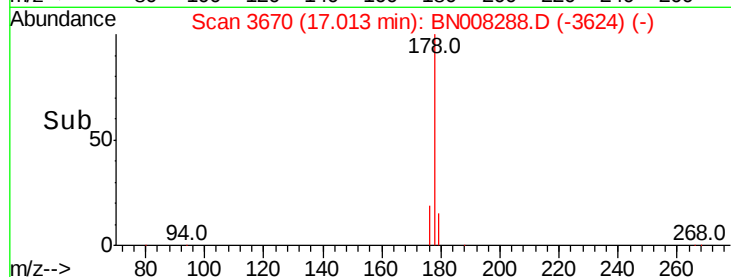
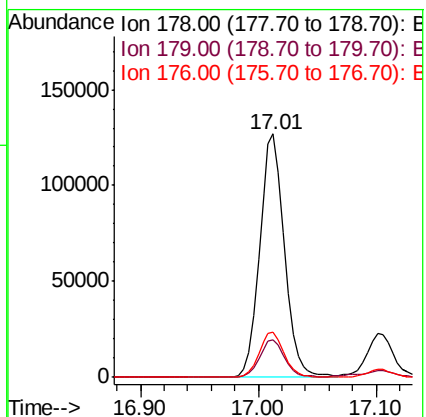
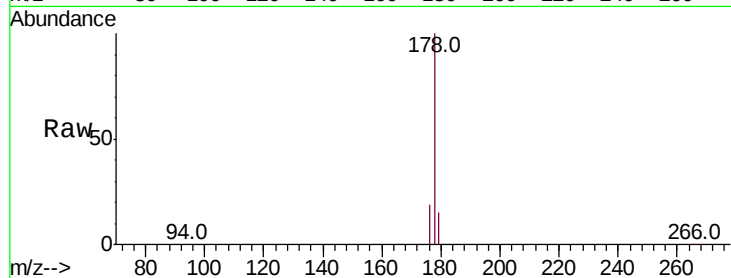
Tot Ion:178 Resp: 185438

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

176 18.6 15.4 23.2



#13

Anthracene

Concen: 1.034 ng/ul

RT: 17.10 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

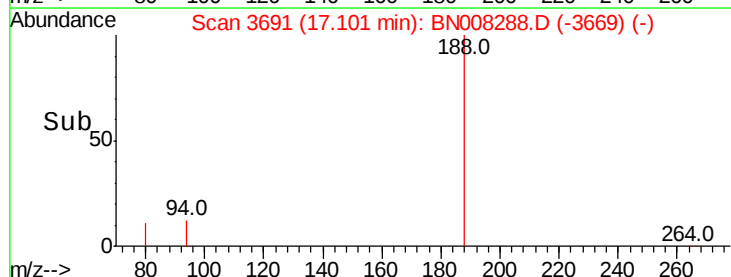
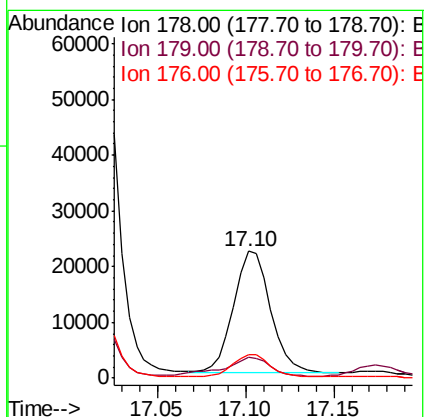
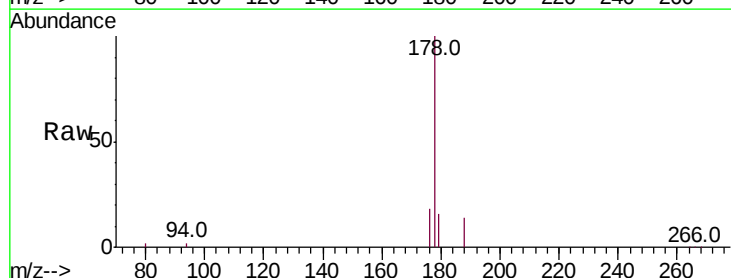
Tgt Ion:178 Resp: 32000

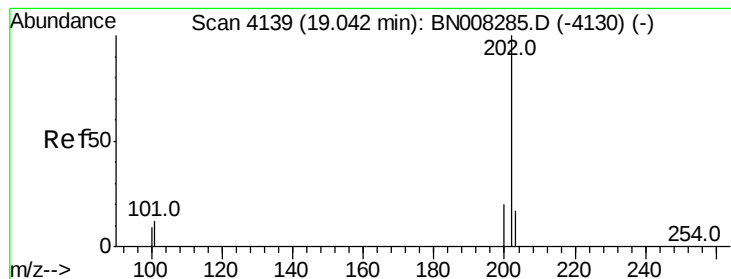
Ion Ratio Lower Upper

178 100

179 16.3 13.0 19.6

176 18.5 15.0 22.6





#15

Fluoranthene

Concen: 6.983 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

Instrument :

BNA_N

ClientSampleId :

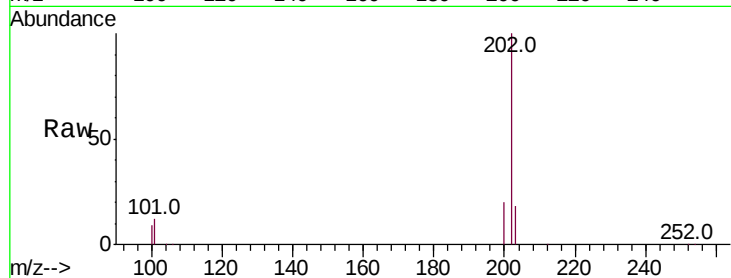
Tot Ion:202 Resp: 324469

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.2

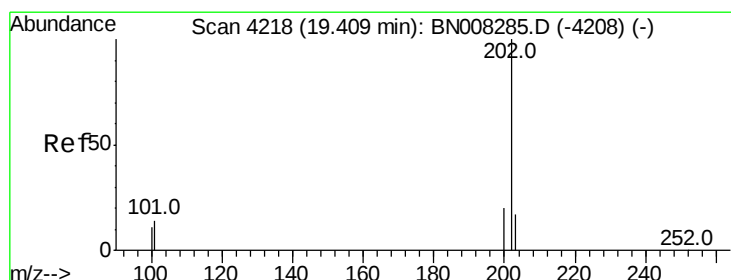
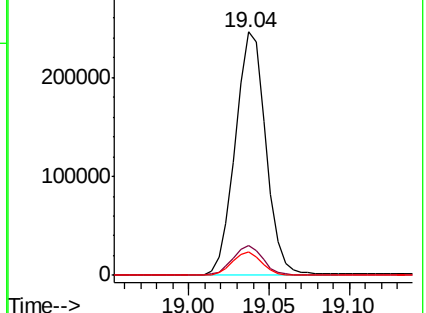
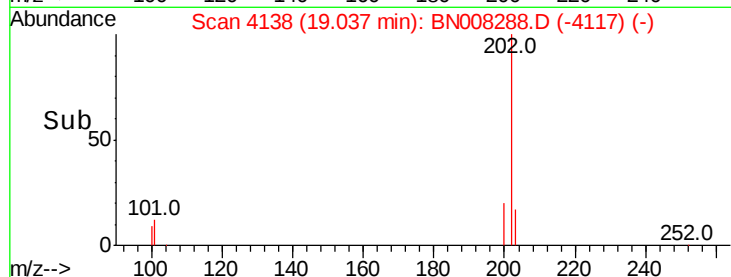
100 9.4 0.0 28.5



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: 7.932 ng/ul

RT: 19.40 min Scan# 4217

Delta R.T. 0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

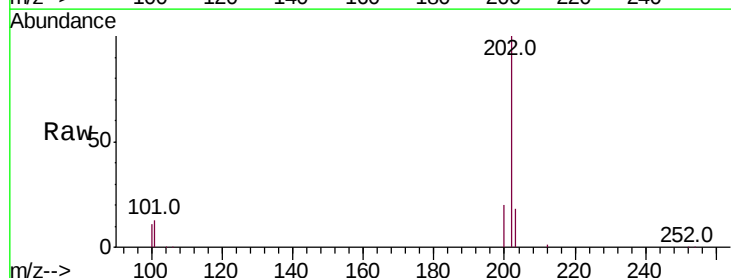
Tgt Ion:202 Resp: 383614

Ion Ratio Lower Upper

202 100

101 13.2 10.9 16.3

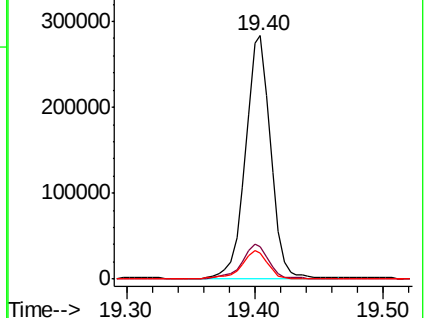
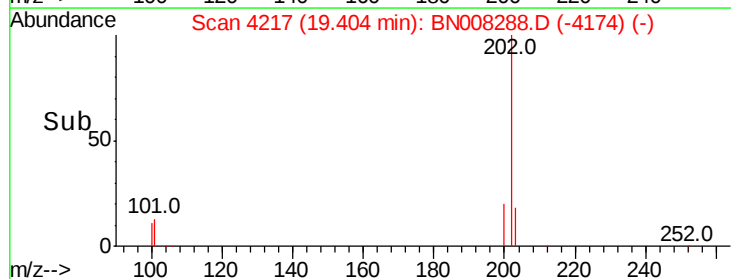
100 10.6 8.7 13.1

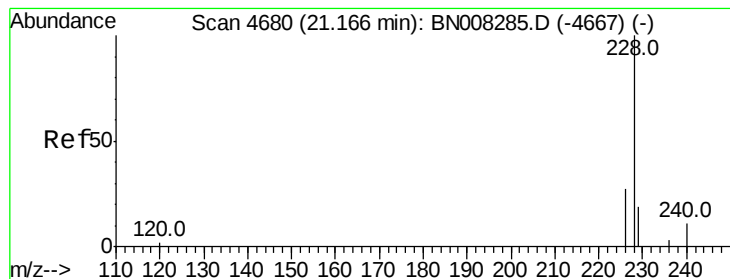


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 4.947 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

Instrument :

BNA_N

ClientSampleId :

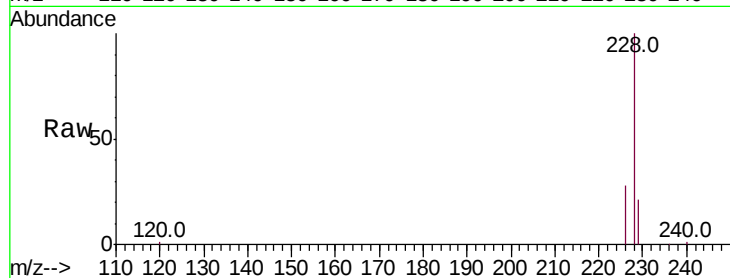
Tot Ion:228 Resp: 218433

Ion Ratio Lower Upper

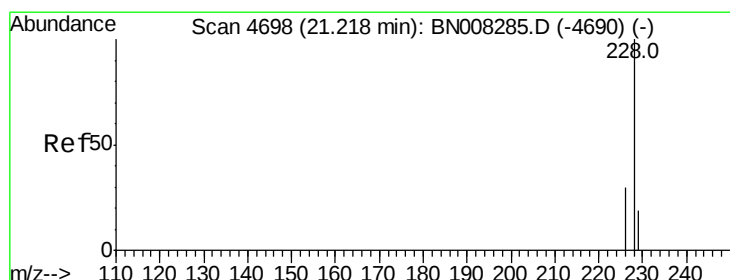
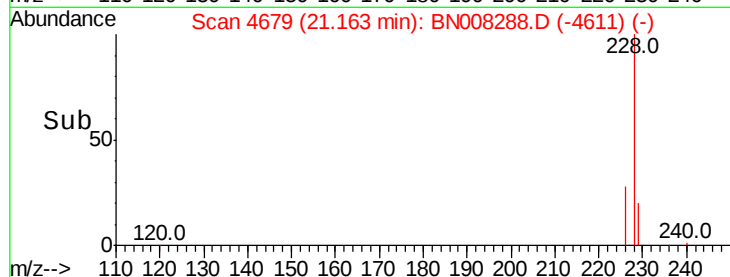
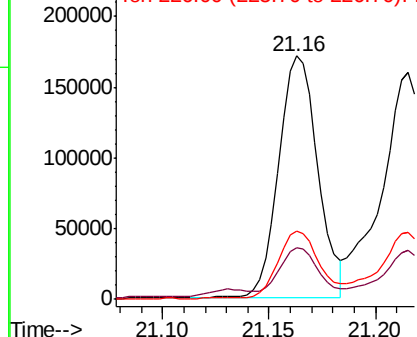
228 100

229 21.0 16.2 24.2

226 28.0 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: 4.303 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. 0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

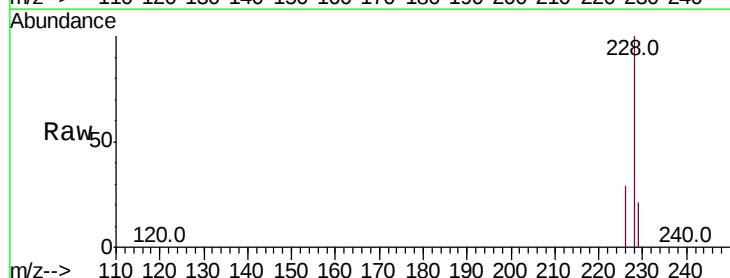
Tgt Ion:228 Resp: 233201

Ion Ratio Lower Upper

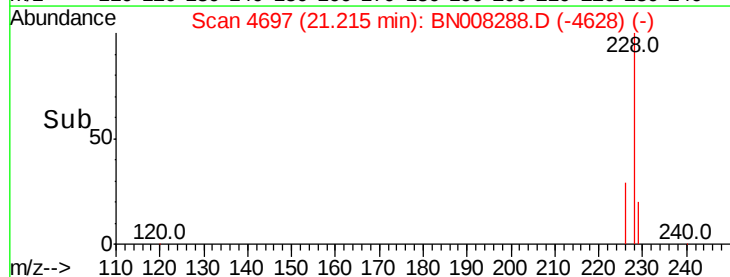
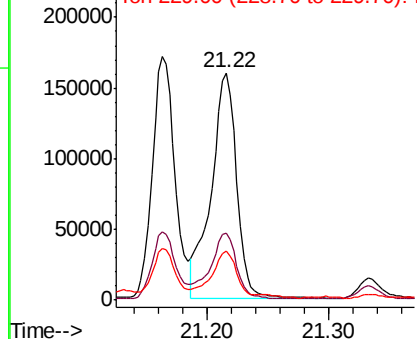
228 100

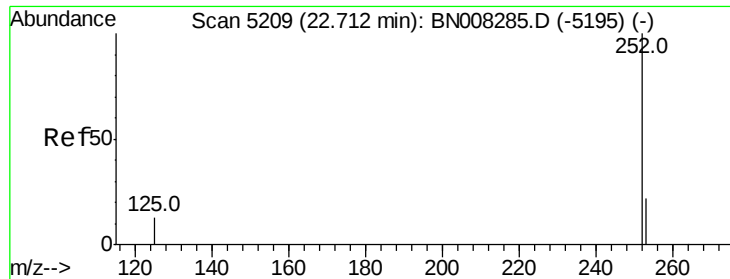
226 29.5 24.1 36.1

229 21.3 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: 8.175 ng/u1

RT: 22.71 min Scan# 5209

Delta R.T. 0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

Instrument :

BNA_N

ClientSampleId :

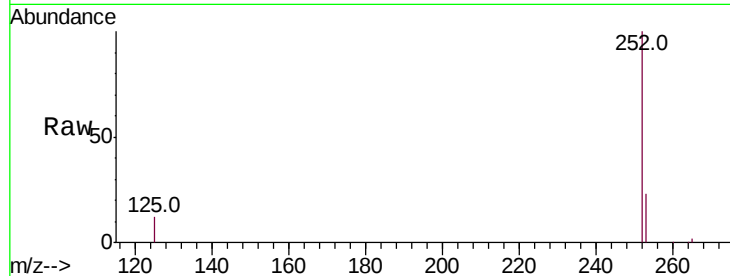
Tot Ion:252 Resp: 320111

Ion Ratio Lower Upper

252 100

253 22.9 0.0 53.4

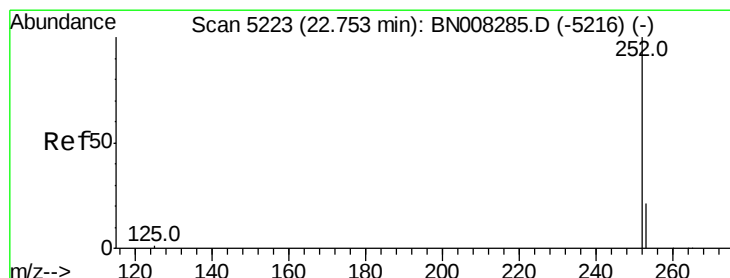
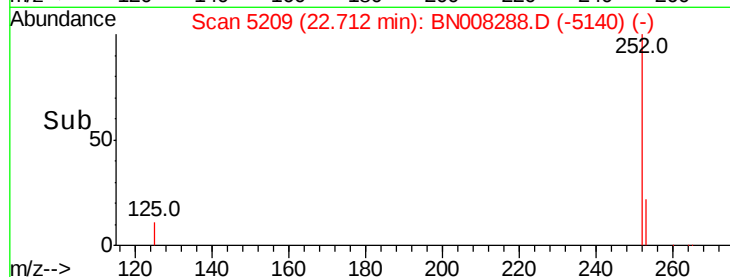
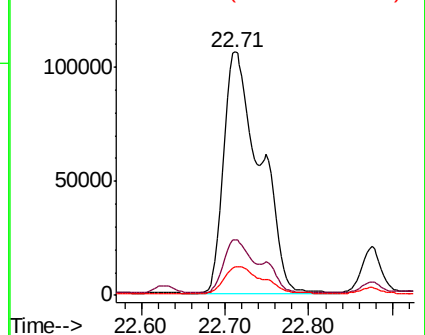
125 11.7 0.0 32.4



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: 0.659 ng/u1

RT: 22.88 min Scan# 5265

Delta R.T. 0.12 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

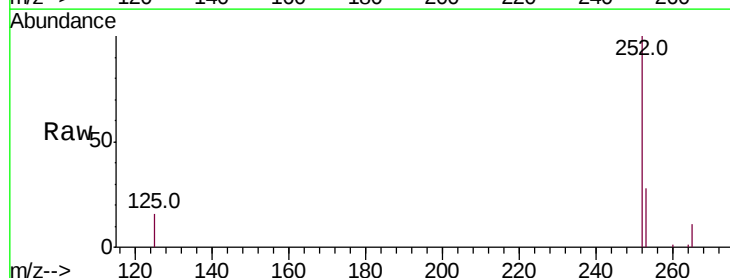
Tgt Ion:252 Resp: 29211

Ion Ratio Lower Upper

252 100

253 27.5 21.3 31.9

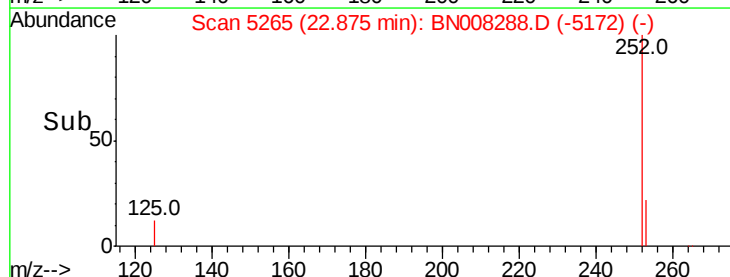
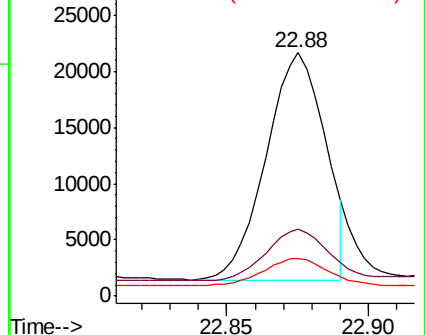
125 15.7 12.3 18.5

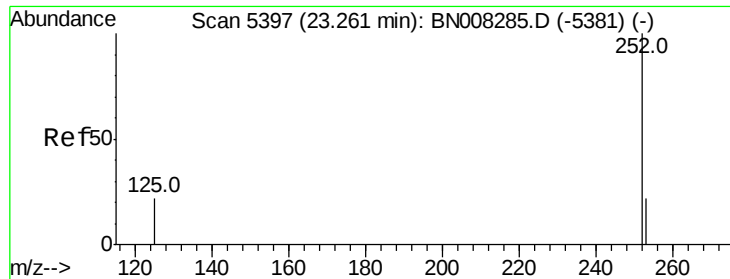


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 4.362 ng/ul

RT: 23.26 min Scan# 5396

Delta R.T. -0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

Instrument :

BNA_N

ClientSampled :

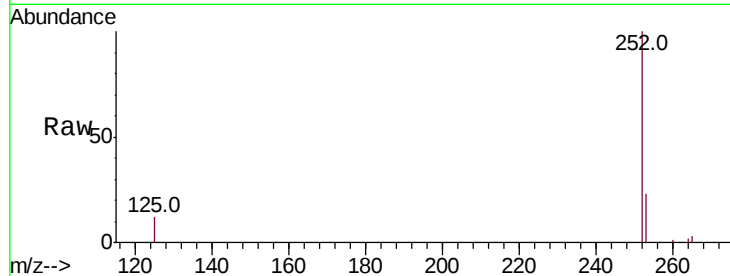
Tot Ion:252 Resp: 179733

Ion Ratio Lower Upper

252 100

253 22.8 22.8 34.2#

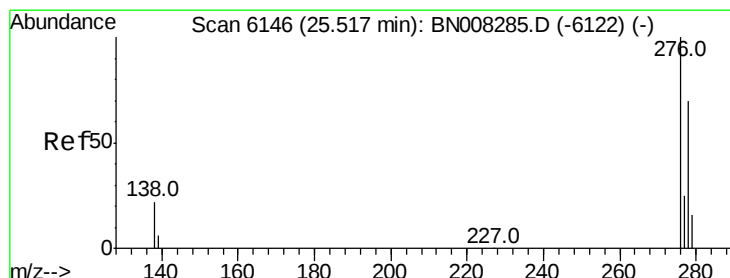
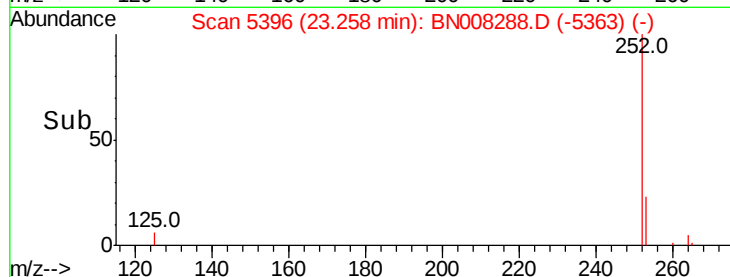
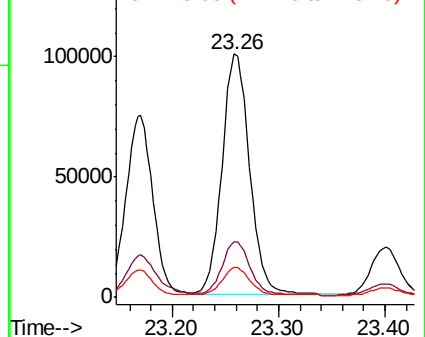
125 12.1 18.4 27.6#



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: 1.835 ng/ul

RT: 25.51 min Scan# 6143

Delta R.T. -0.00 min

Lab File: BN008288.D

Acq: 21 Oct 2019 18:15

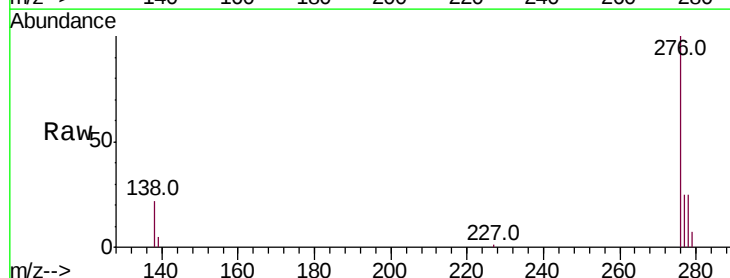
Tgt Ion:276 Resp: 89064

Ion Ratio Lower Upper

276 100

138 21.1 16.1 24.1

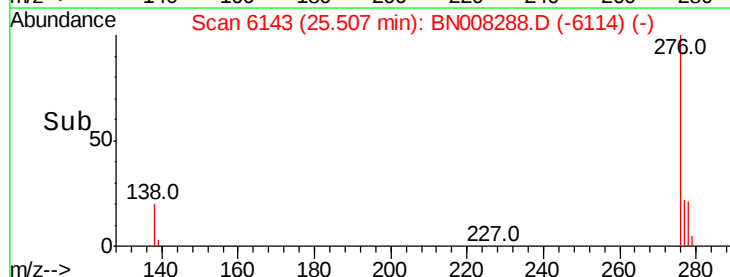
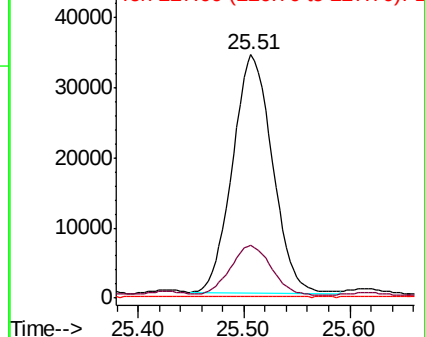
227 0.2 0.2 0.2

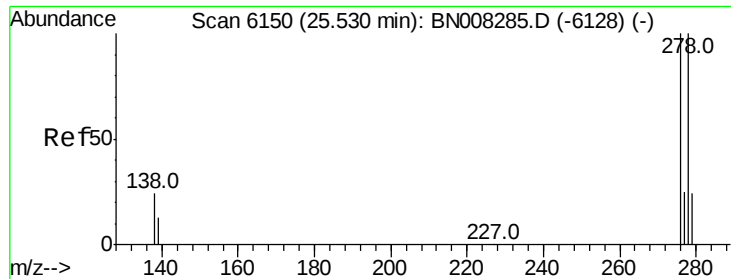


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



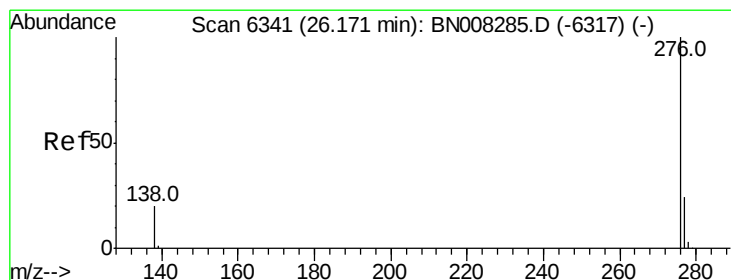
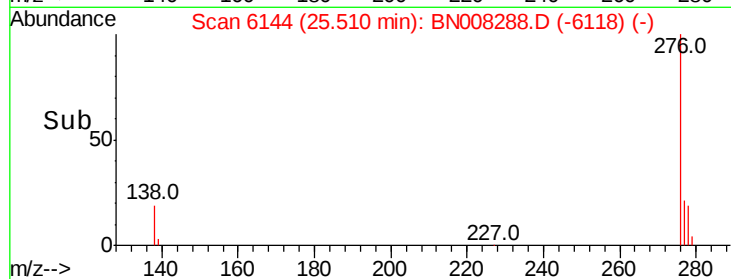
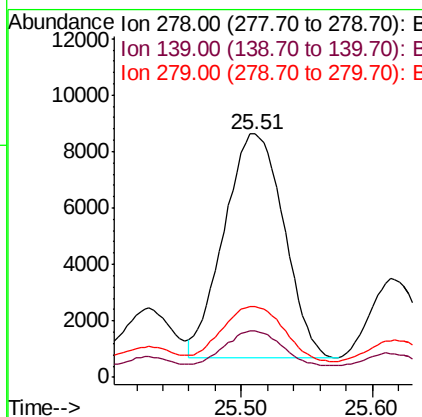
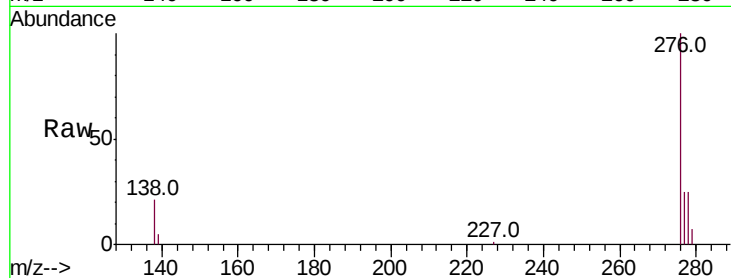


#25
Dibenzo(a,h)anthracene
Concen: 0.656 ng/ul
RT: 25.51 min Scan# 6144
Delta R.T. -0.01 min
Lab File: BN008288.D
Acq: 21 Oct 2019 18:15

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 25160

Ion	Ratio	Lower	Upper
278	100		
139	18.8	15.0	22.6
279	29.1	22.4	33.6



#26
Benzo(g,h,i)perylene
Concen: 2.060 ng/ul
RT: 26.16 min Scan# 6339
Delta R.T. -0.00 min
Lab File: BN008288.D
Acq: 21 Oct 2019 18:15

Tgt Ion:276 Resp: 91675

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.0	25.4
277	24.4	20.4	30.6

