

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\
 Data File : BN008293.D
 Acq On : 21 Oct 2019 21:14
 Operator : JU
 Sample : K5199-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 22 00:01:36 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

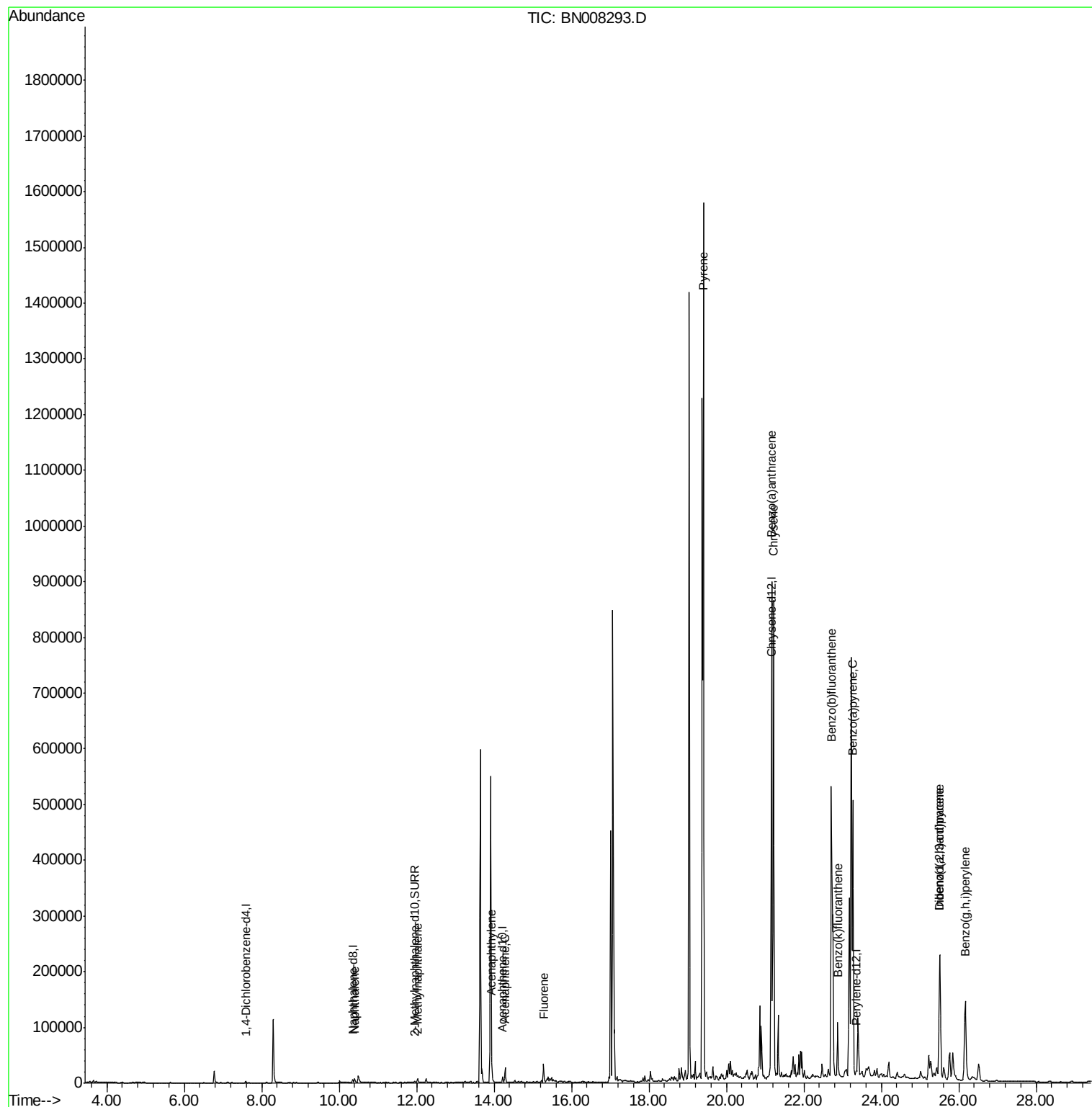
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1854	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	8595	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	5412	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.97
16) Chrysene-d12	21.18	240	11561	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	9972	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	4628	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	14690	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	11476	0.469	ng/ul	100
5) 2-Methylnaphthalene	12.02	142	5915	0.352	ng/ul	99
7) Acenaphthylene	13.94	152	30681	1.190	ng/ul	99
8) Acenaphthene	14.28	153	15596	0.778	ng/ul	98
9) Fluorene	15.28	166	20107	0.883	ng/ul	98
17) Pyrene	19.40	202	1258818	27.346	ng/ul	98
18) Benzo(a)anthracene	21.16	228	750157	17.847	ng/ul	97
19) Chrysene	21.22	228	804691	15.600	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	1146189	35.308	ng/ul	91
22) Benzo(k)fluoranthene	22.87	252	107557	2.925	ng/ul	99
23) Benzo(a)pyrene	23.26	252	605381	17.722	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.51	276	332004	8.252	ng/ul	99
25) Dibenzo(a,h)anthracene	25.51	278	91049	2.863	ng/ul	98
26) Benzo(g,h,i)perylene	26.17	276	285404	7.736	ng/ul	99

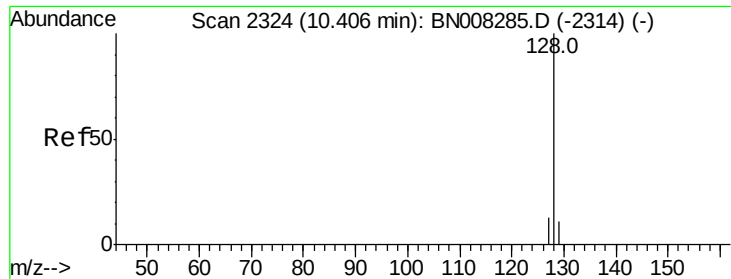
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.469 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

Instrument :

BNA_N

ClientSampleId :

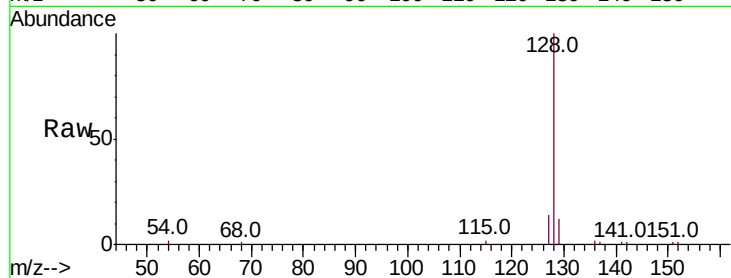
Tot Ion:128 Resp: 11476

Ion Ratio Lower Upper

128 100

129 12.1 9.8 14.8

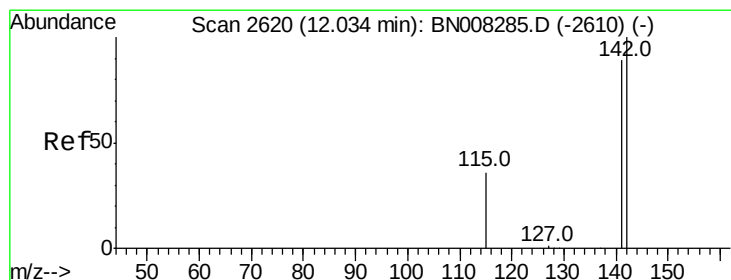
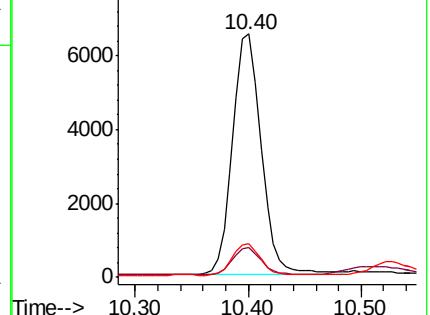
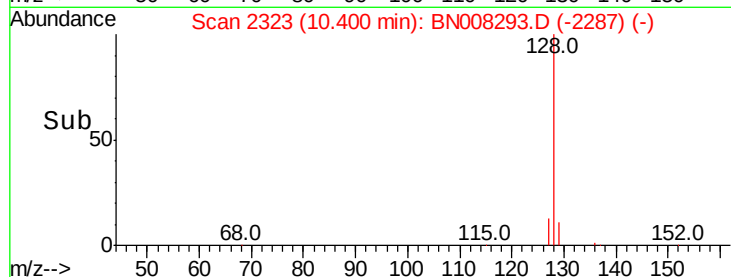
127 13.7 11.1 16.7



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: 0.352 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008293.D

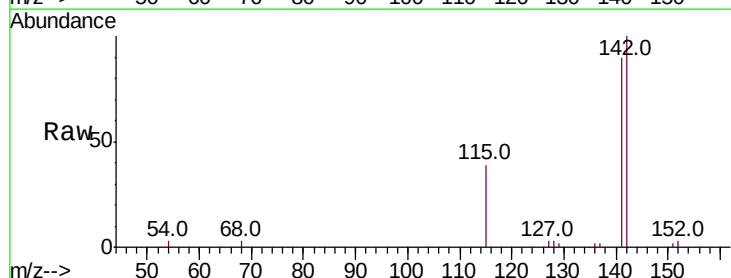
Acq: 21 Oct 2019 21:14

Tgt Ion:142 Resp: 5915

Ion Ratio Lower Upper

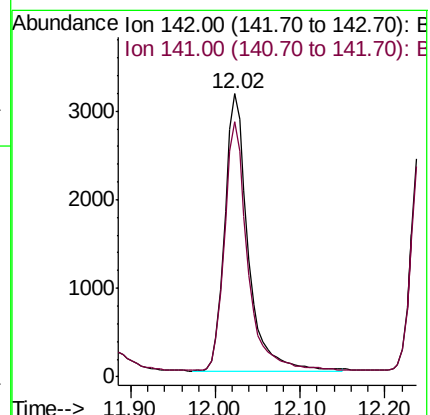
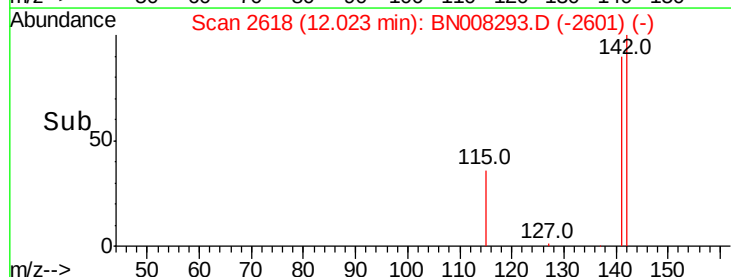
142 100

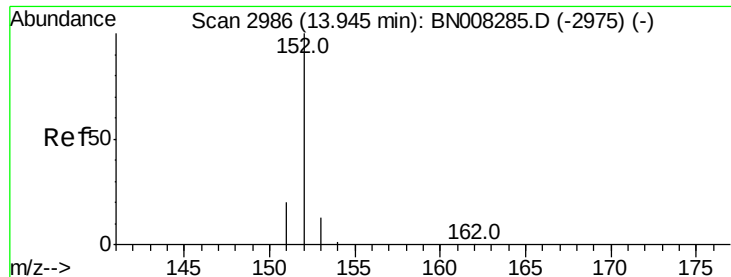
141 88.7 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.190 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

Instrument :

BNA_N

ClientSampleId :

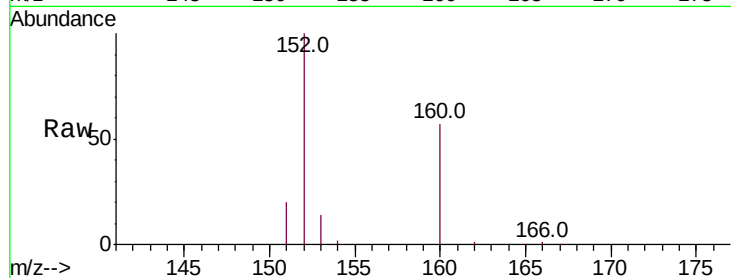
Tot Ion:152 Resp: 30681

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

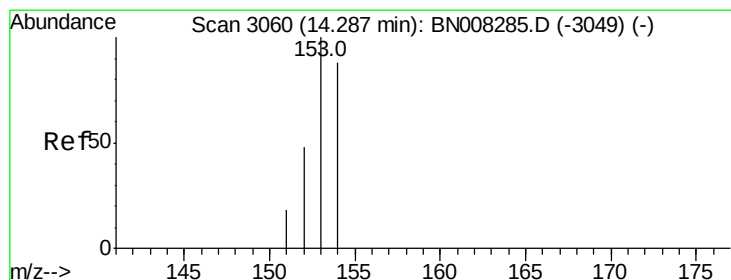
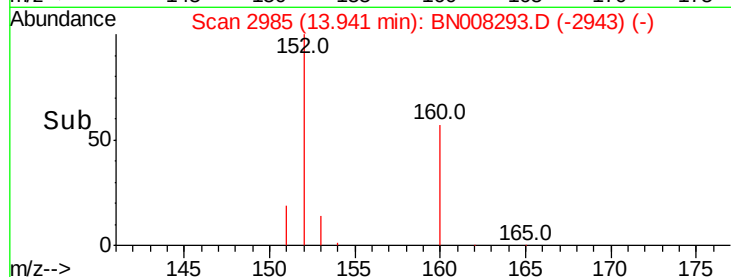
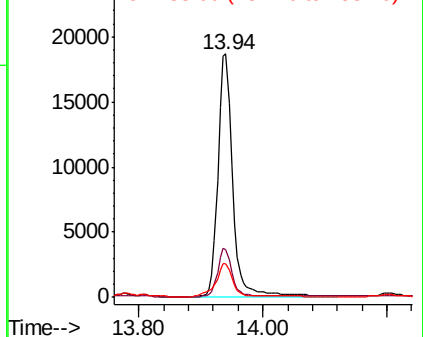
153 14.0 11.0 16.4



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: 0.778 ng/ul

RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

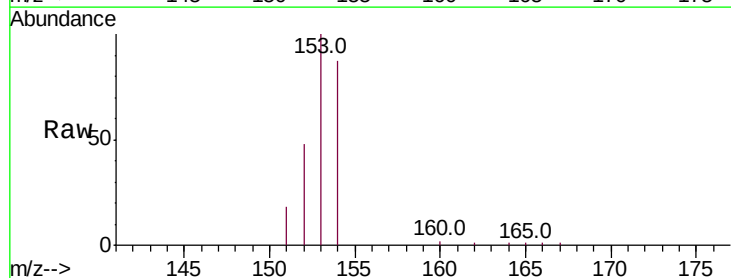
Tgt Ion:153 Resp: 15596

Ion Ratio Lower Upper

153 100

152 48.3 38.2 57.2

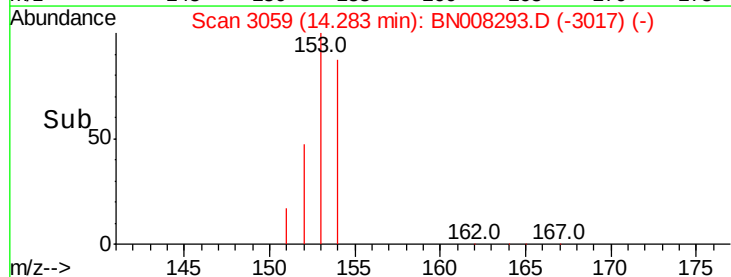
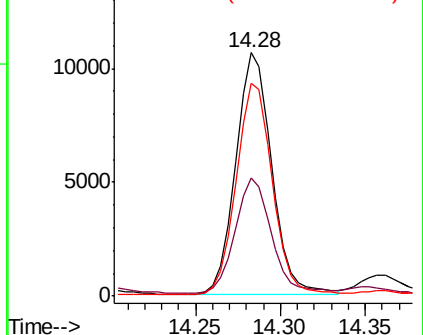
154 87.4 71.8 107.8

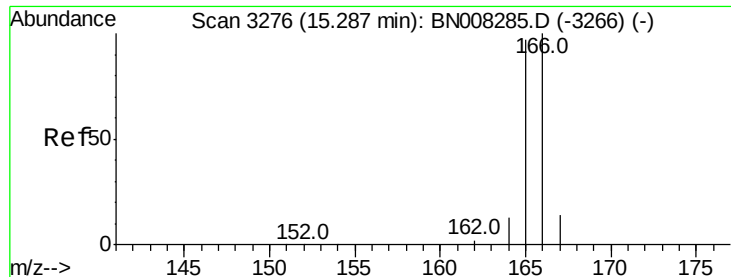


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



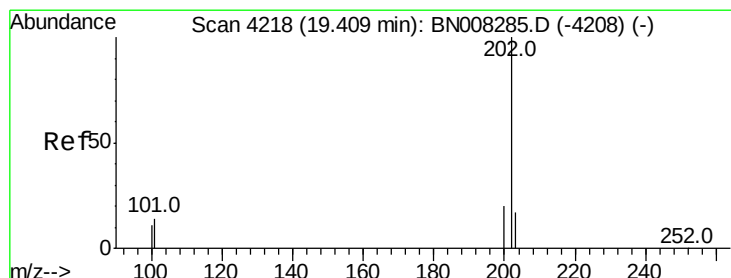
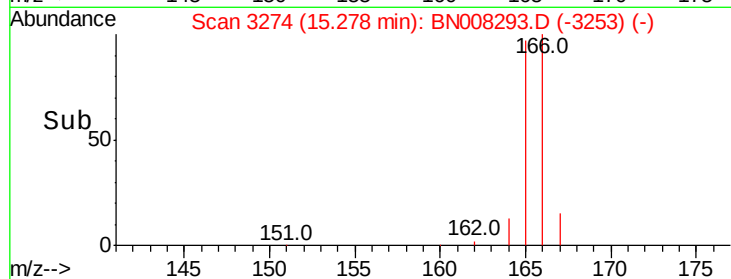
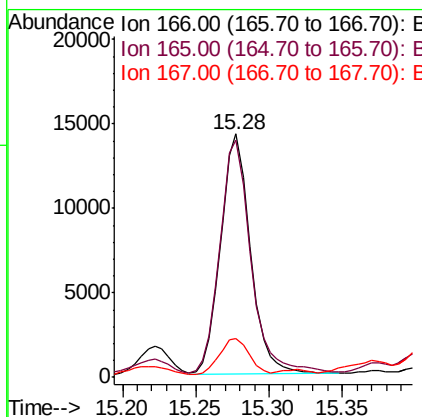
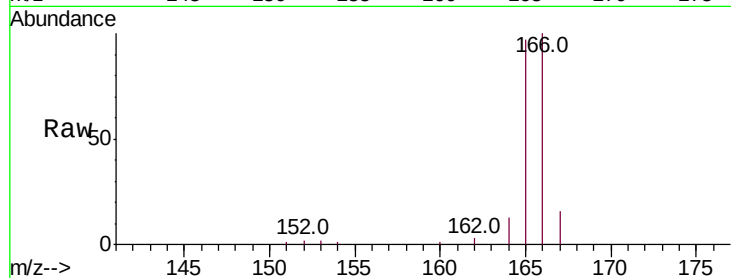


#9
Fluorene
 Concen: 0.883 ng/ul
 RT: 15.28 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: BN008293.D
 Acq: 21 Oct 2019 21:14

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 20107

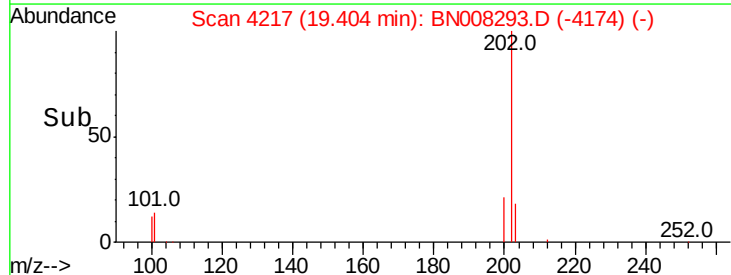
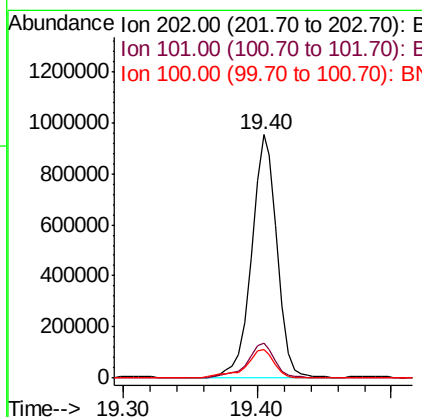
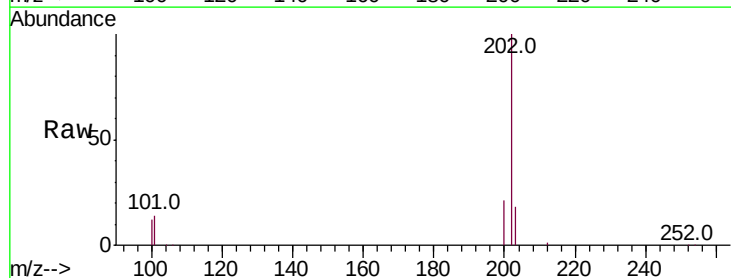
Ion	Ratio	Lower	Upper
166	100		
165	97.5	76.6	115.0
167	16.2	11.7	17.5

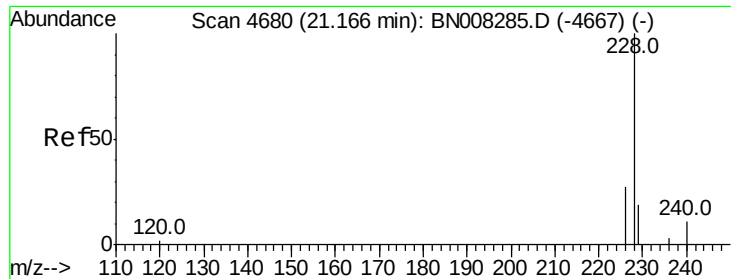


#17
Pyrene
 Concen: 27.346 ng/ul
 RT: 19.40 min Scan# 4217
 Delta R.T. 0.00 min
 Lab File: BN008293.D
 Acq: 21 Oct 2019 21:14

Tgt Ion:202 Resp: 1258818

Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.9	16.3
100	11.7	8.7	13.1





#18

Benzo(a)anthracene

Concen: 17.847 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

Instrument :

BNA_N

ClientSampleId :

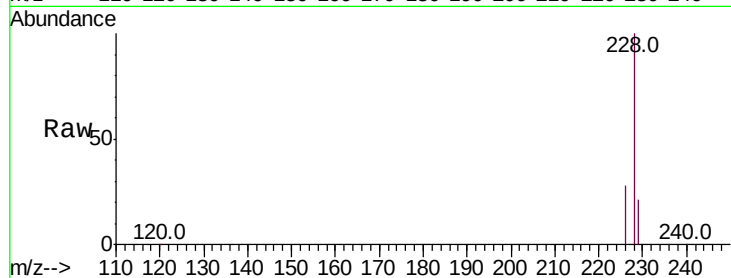
Tot Ion:228 Resp: 750157

Ion Ratio Lower Upper

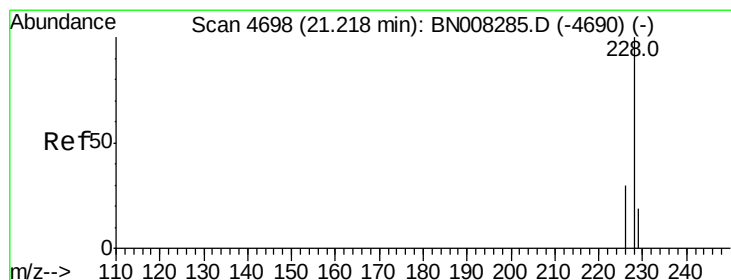
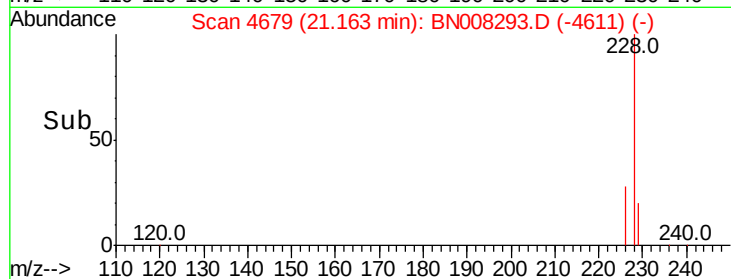
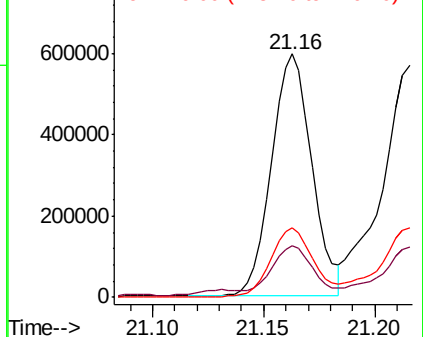
228 100

229 21.0 16.2 24.2

226 28.4 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E
800000 Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 15.600 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. 0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

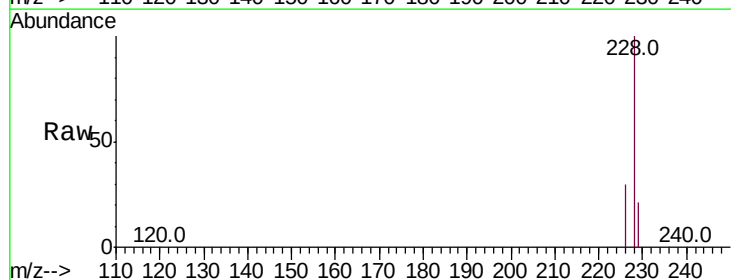
Tgt Ion:228 Resp: 804691

Ion Ratio Lower Upper

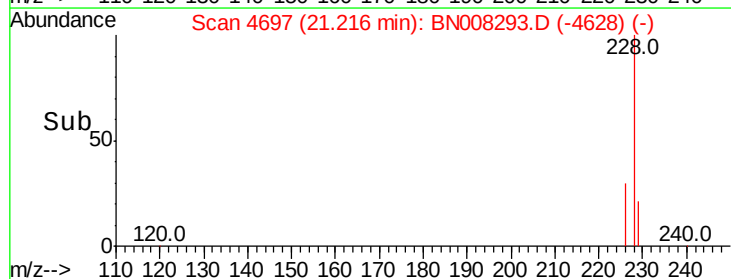
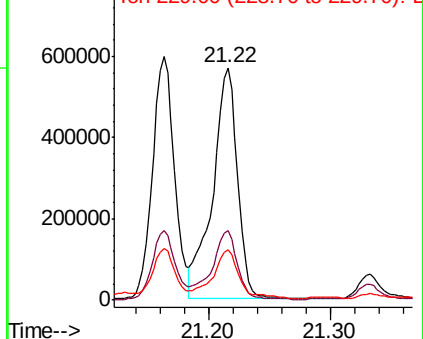
228 100

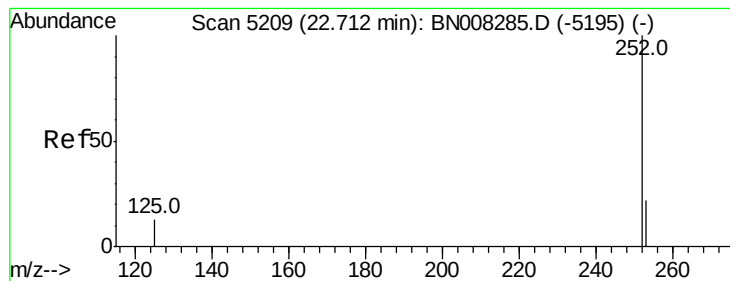
226 29.7 24.1 36.1

229 21.4 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
800000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 35.308 ng/ul

RT: 22.71 min Scan# 5208

Delta R.T. 0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

Instrument :

BNA_N

ClientSampleId :

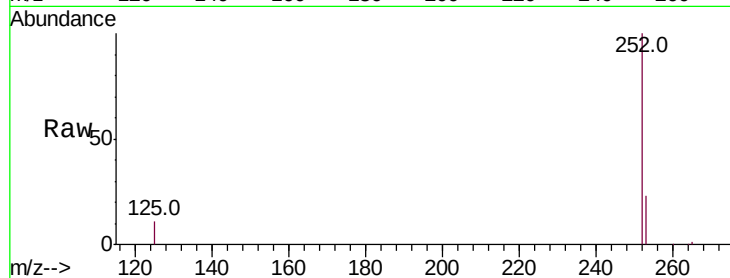
Tot Ion:252 Resp: 1146189

Ion Ratio Lower Upper

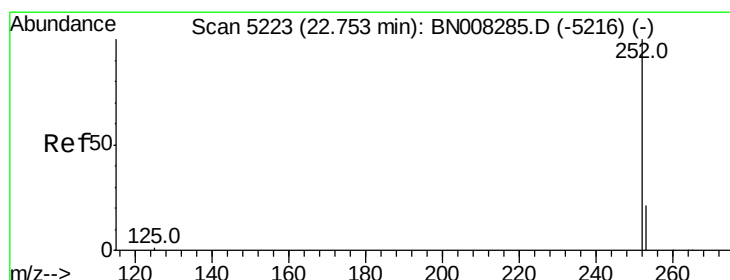
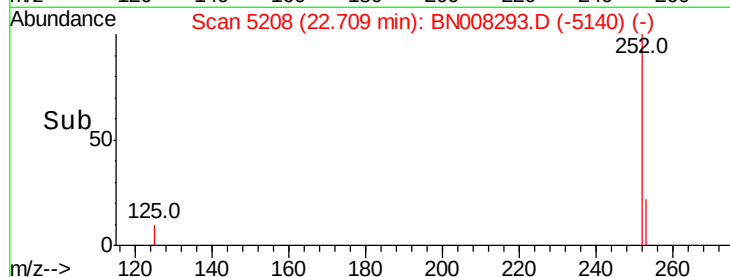
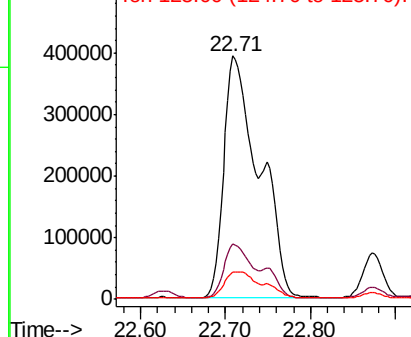
252 100

253 22.7 0.0 53.4

125 11.0 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: 2.925 ng/ul

RT: 22.87 min Scan# 5264

Delta R.T. 0.12 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

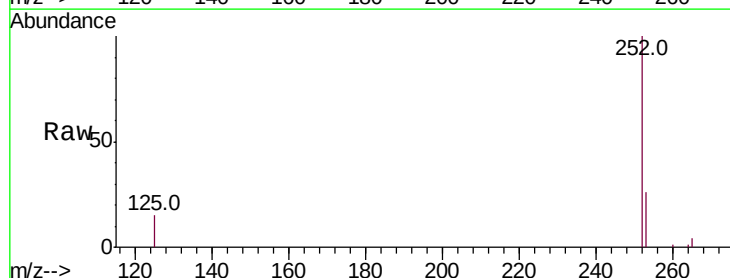
Tgt Ion:252 Resp: 107557

Ion Ratio Lower Upper

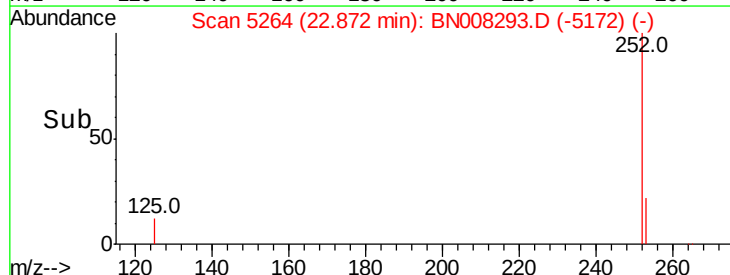
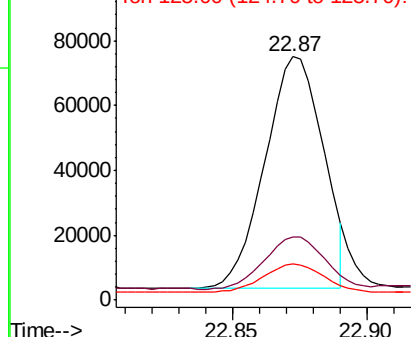
252 100

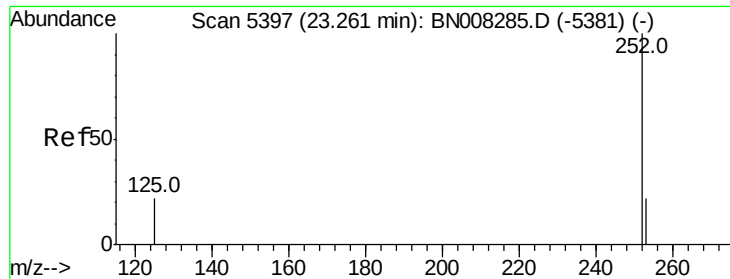
253 25.9 21.3 31.9

125 14.7 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: 17.722 ng/ul

RT: 23.26 min Scan# 5398

Delta R.T. 0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

Instrument :

BNA_N

ClientSampleId :

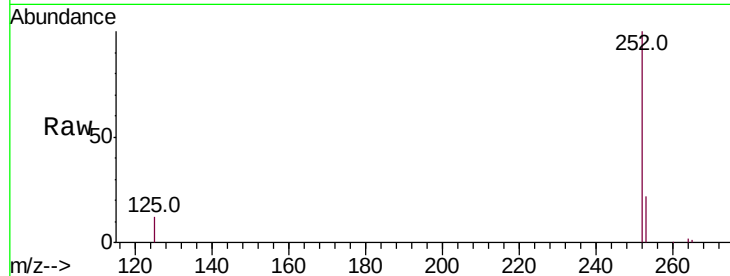
Tot Ion:252 Resp: 605381

Ion Ratio Lower Upper

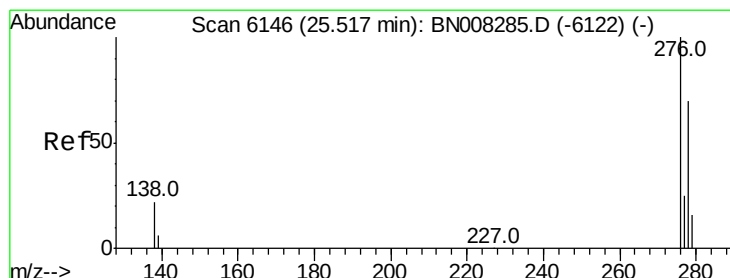
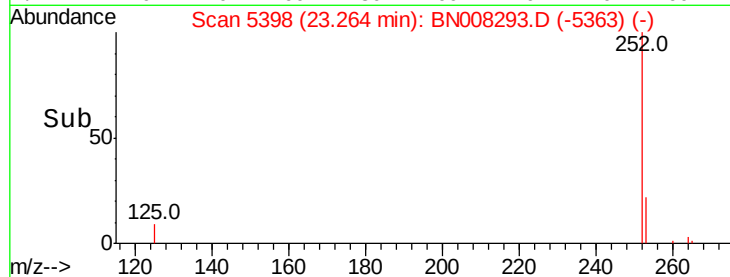
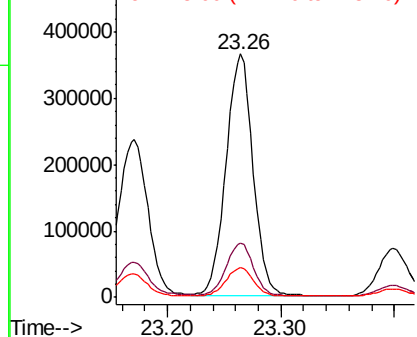
252 100

253 22.5 22.8 34.2#

125 12.3 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: 8.252 ng/ul

RT: 25.51 min Scan# 6143

Delta R.T. -0.00 min

Lab File: BN008293.D

Acq: 21 Oct 2019 21:14

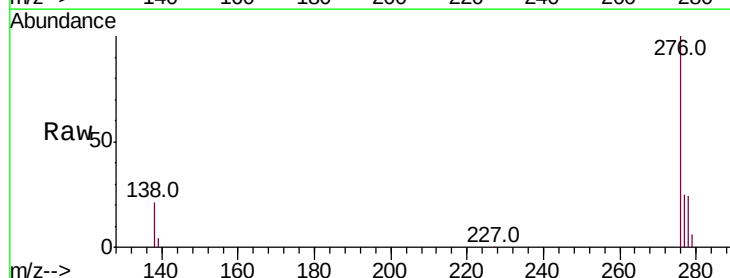
Tgt Ion:276 Resp: 332004

Ion Ratio Lower Upper

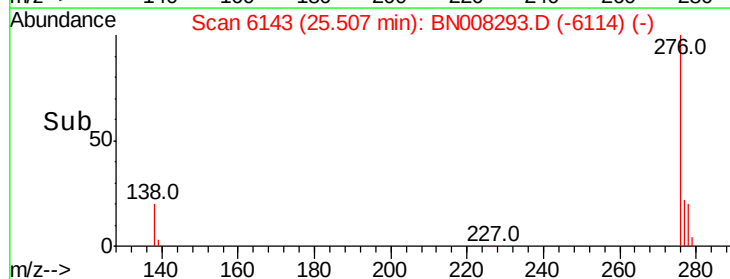
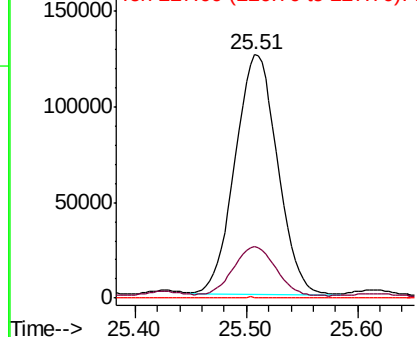
276 100

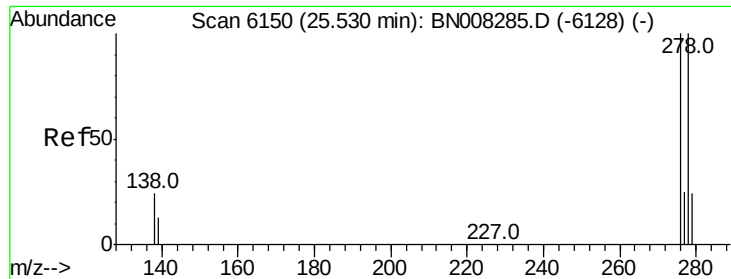
138 20.7 16.1 24.1

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



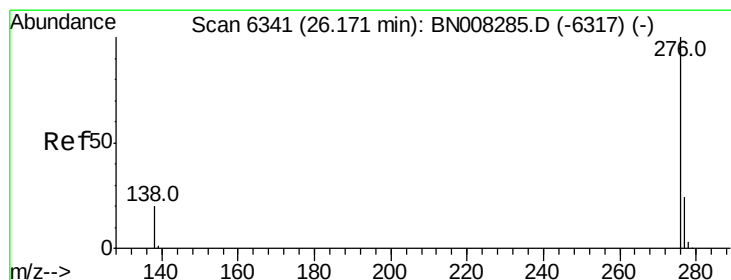
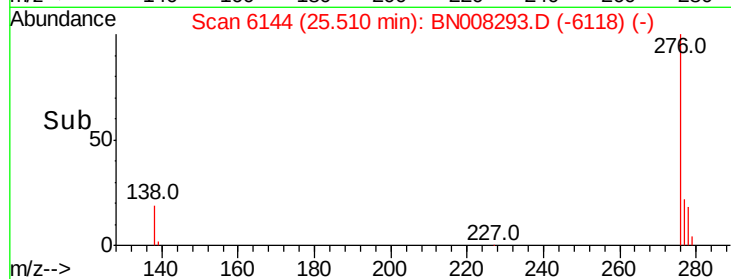
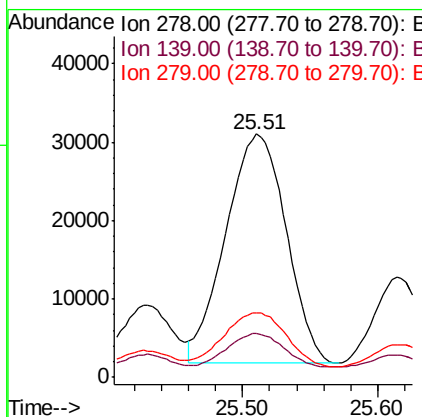
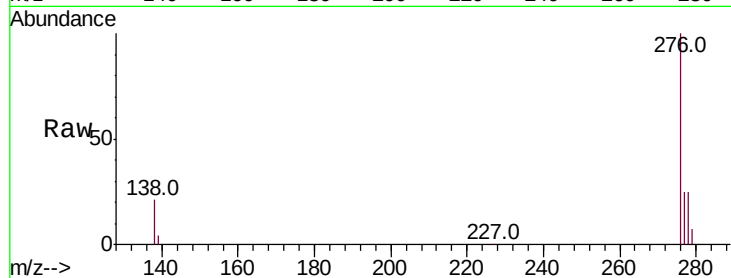


#25
Dibenzo(a,h)anthracene
Concen: 2.863 ng/ul
RT: 25.51 min Scan# 6144
Delta R.T. -0.01 min
Lab File: BN008293.D
Acq: 21 Oct 2019 21:14

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 91049

Ion	Ratio	Lower	Upper
278	100		
139	17.9	15.0	22.6
279	26.6	22.4	33.6



#26
Benzo(g,h,i)perylene
Concen: 7.736 ng/ul
RT: 26.17 min Scan# 6340
Delta R.T. 0.00 min
Lab File: BN008293.D
Acq: 21 Oct 2019 21:14

Tgt Ion:276 Resp: 285404

Ion	Ratio	Lower	Upper
276	100		
138	21.0	17.0	25.4
277	24.4	20.4	30.6

