

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
 Data File : BN008401.D
 Acq On : 24 Oct 2019 23:11
 Operator : JU
 Sample : K5236-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 25 00:53:32 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 : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

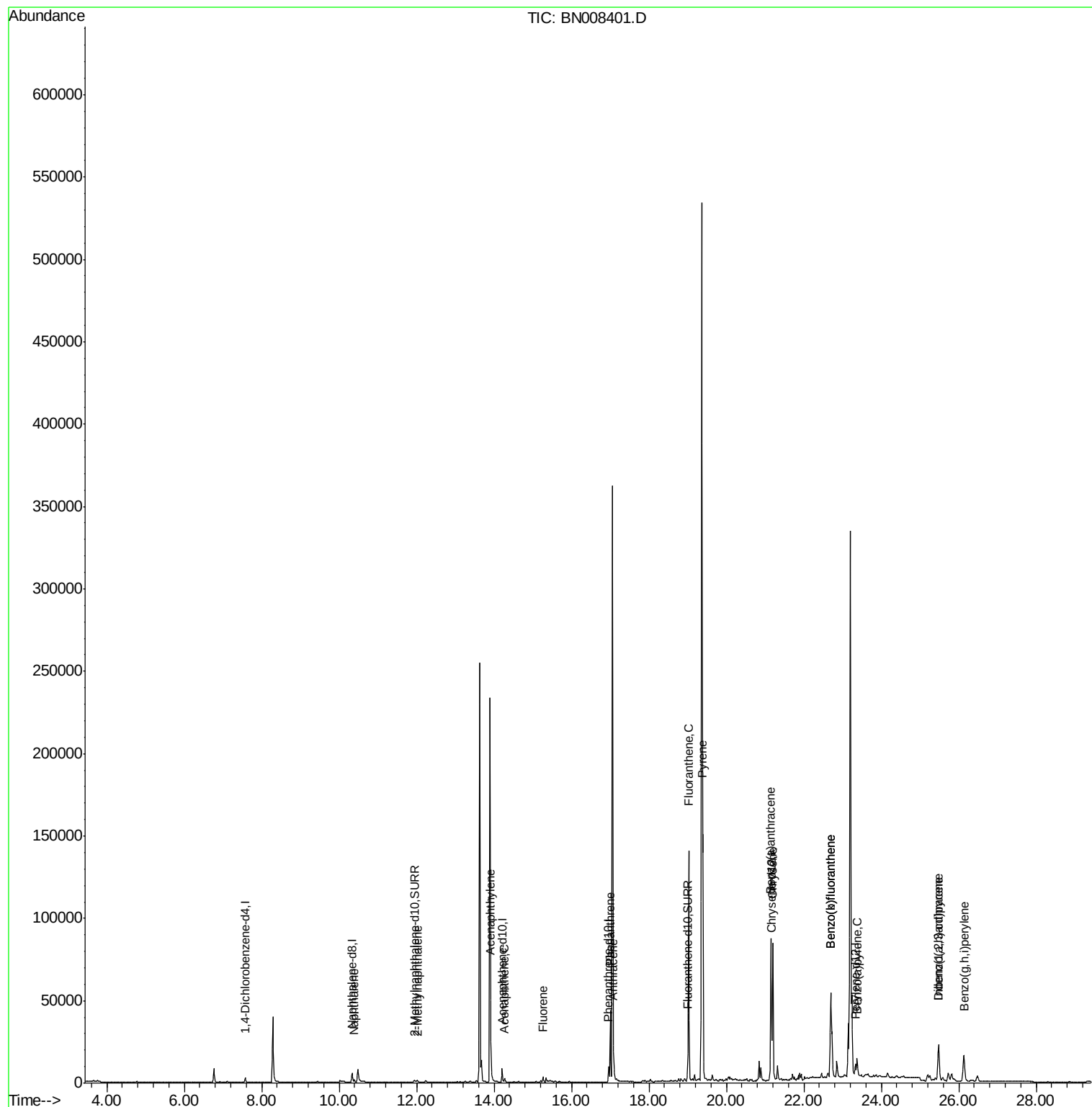
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	1547	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.33	136	7659	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	4769	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.96	188	10613	0.40	ng/ul	-0.02
16) Chrysene-d12	21.16	240	10188	0.40	ng/ul	-0.02
20) Perylene-d12	23.33	264	8633	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	1841	0.14	ng/ul	-0.02
14) Fluoranthene-d10	19.00	212	6277	0.17	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.38	128	1674	0.077	ng/ul#	91
5) 2-Methylnaphthalene	12.01	142	940	0.063	ng/ul	100
7) Acenaphthylene	13.92	152	6022	0.265	ng/ul	98
8) Acenaphthene	14.27	153	1377	0.078	ng/ul	97
9) Fluorene	15.26	166	1963	0.098	ng/ul#	96
12) Phenanthrene	17.00	178	46878	1.509	ng/ul	99
13) Anthracene	17.09	178	10324	0.378	ng/ul	99
15) Fluoranthene	19.02	202	116707	2.844	ng/ul	99
17) Pyrene	19.39	202	124137	3.060	ng/ul	100
18) Benzo(a)anthracene	21.15	228	73364	1.981	ng/ul	98
19) Chrysene	21.20	228	81960	1.803	ng/ul	99
21) Benzo(b)fluoranthene	22.69	252	112384	3.999	ng/ul	93
22) Benzo(k)fluoranthene	22.69	252	112384	3.530	ng/ul	94
23) Benzo(a)pyrene	23.38	252	7973	0.270	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.48	276	34234	0.983	ng/ul	99
25) Dibenzo(a,h)anthracene	25.48	278	8602	0.312	ng/ul	93
26) Benzo(a,h,i)perylene	26.13	276	32251	1.010	ng/ul	98

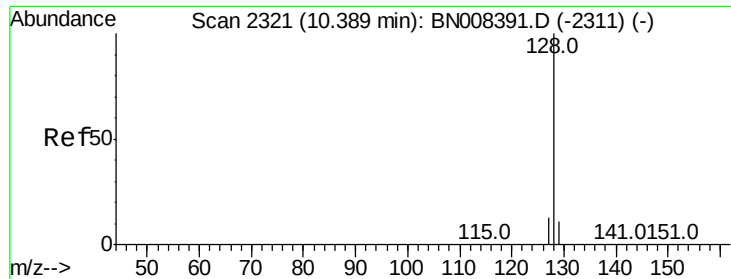
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.077 ng/ul

RT: 10.38 min Scan# 2320

Delta R.T. -0.02 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

Instrument :

BNA_N

ClientSampleId :

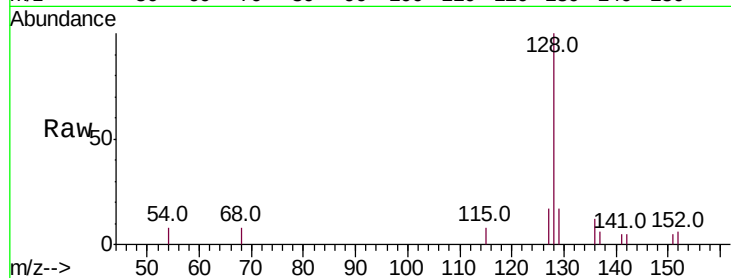
Tot Ion:128 Resp: 1674

Ion Ratio Lower Upper

128 100

129 16.8 9.8 14.8#

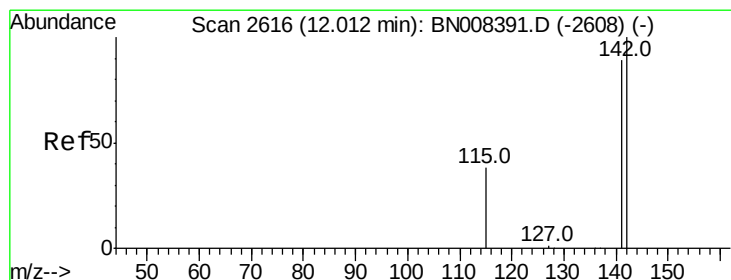
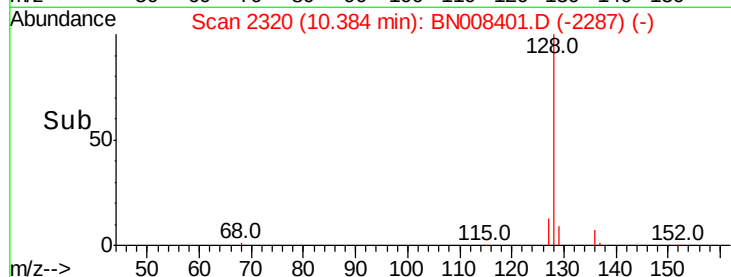
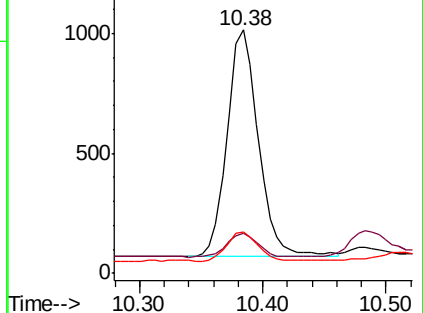
127 17.0 11.1 16.7#



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: 0.063 ng/ul

RT: 12.01 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BN008401.D

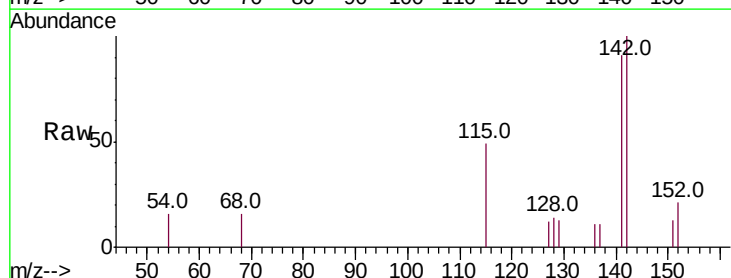
Acq: 24 Oct 2019 23:11

Tgt Ion:142 Resp: 940

Ion Ratio Lower Upper

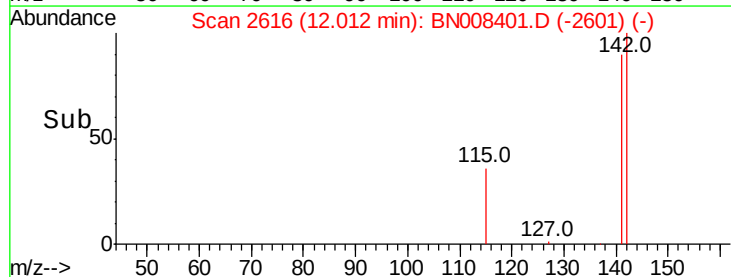
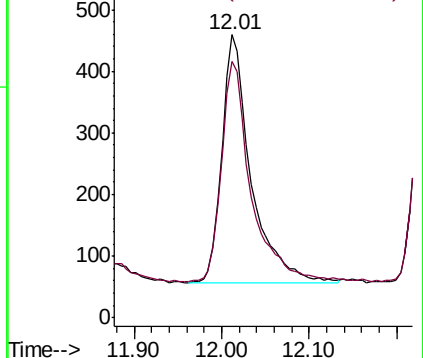
142 100

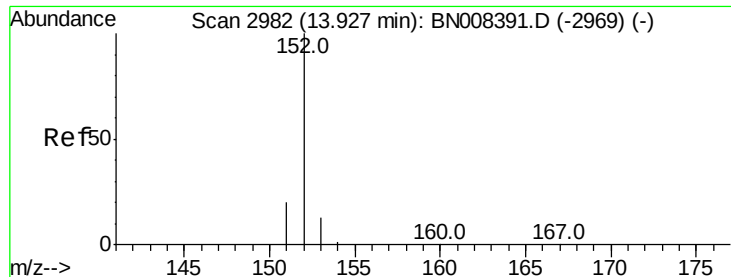
141 89.6 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.265 ng/ul

RT: 13.92 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

Instrument :

BNA_N

ClientSampleId :

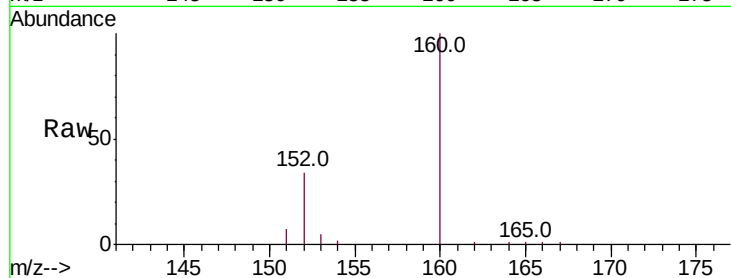
Tot Ion:152 Resp: 6022

Ion Ratio Lower Upper

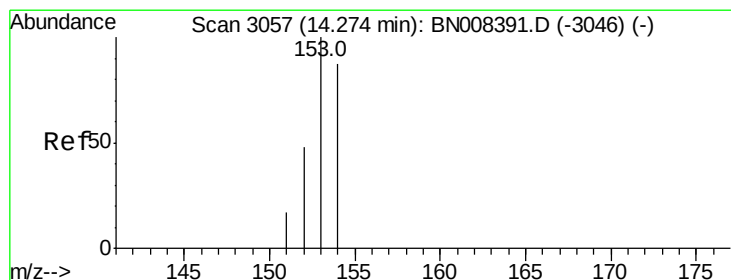
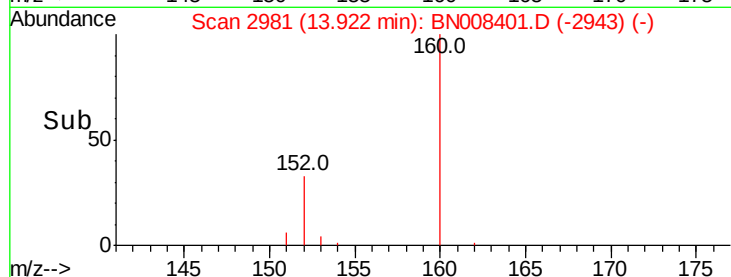
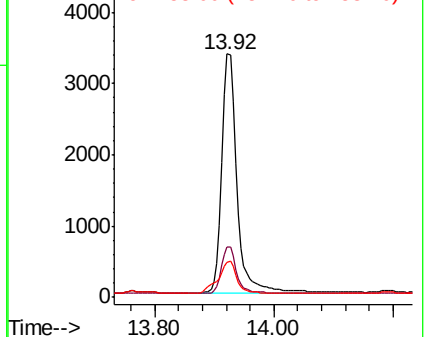
152 100

151 20.9 16.2 24.4

153 14.6 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: 0.078 ng/ul

RT: 14.27 min Scan# 3056

Delta R.T. -0.02 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

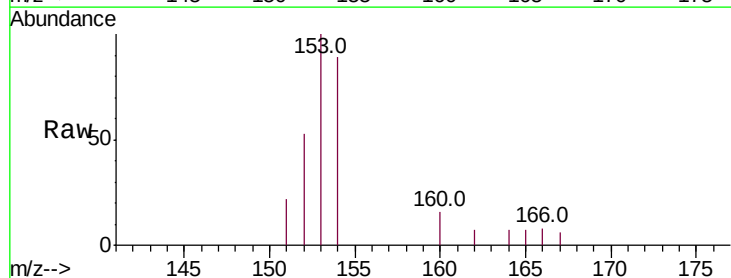
Tgt Ion:153 Resp: 1377

Ion Ratio Lower Upper

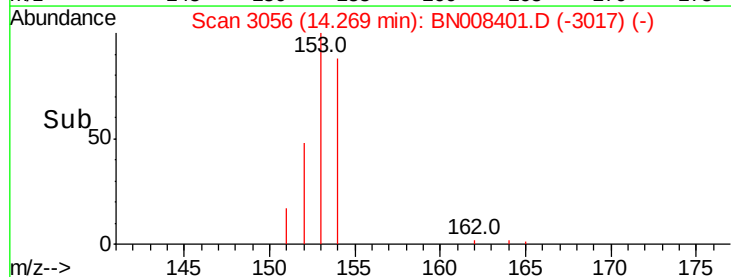
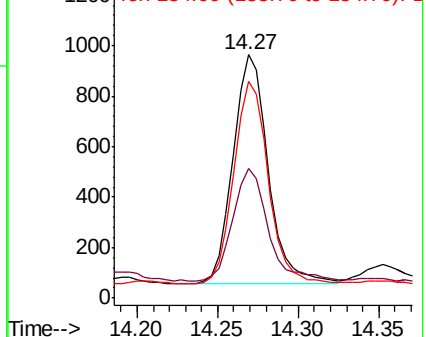
153 100

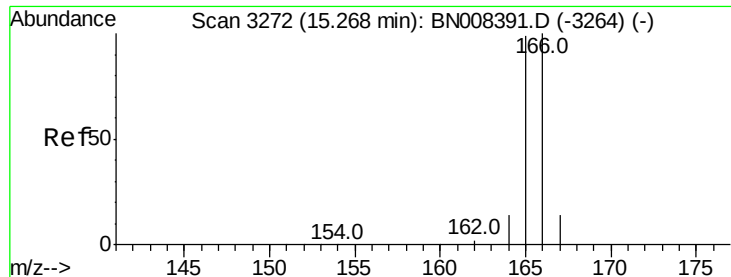
152 53.1 38.2 57.2

154 88.8 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

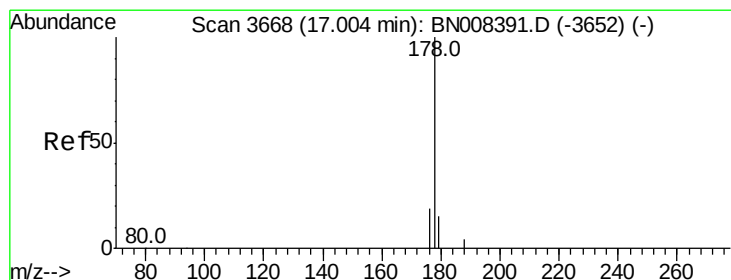
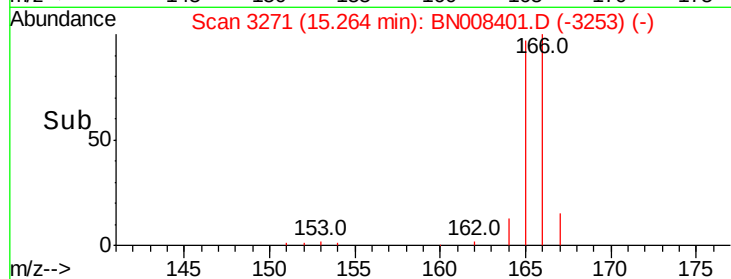
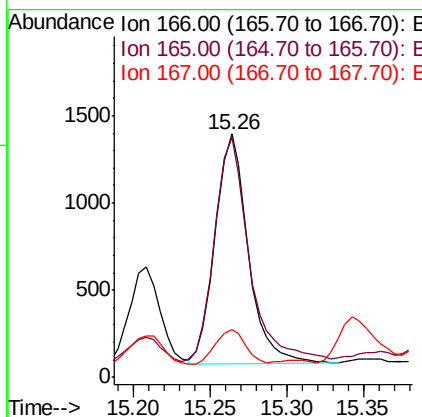
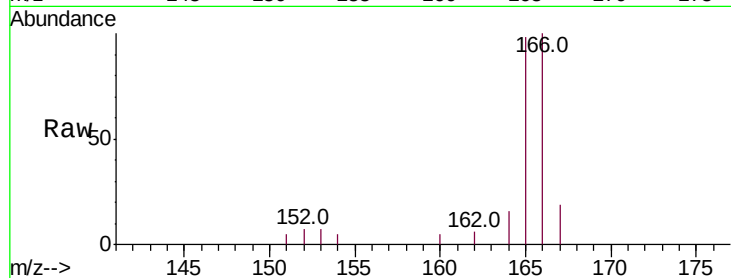




#9
Fluorene
 Concen: 0.098 ng/ul
 RT: 15.26 min Scan# 3271
 Delta R.T. -0.02 min
 Lab File: BN008401.D
 Acq: 24 Oct 2019 23:11

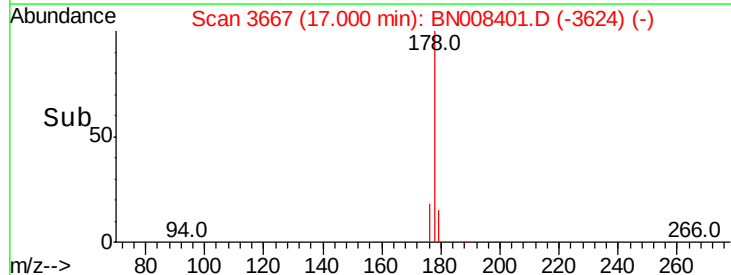
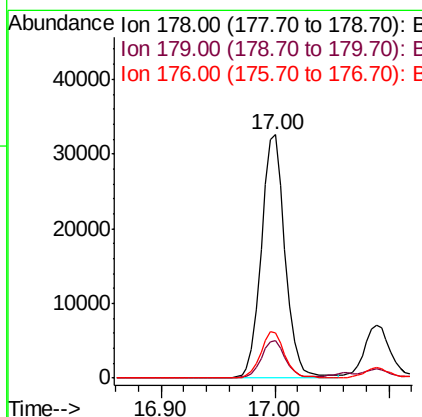
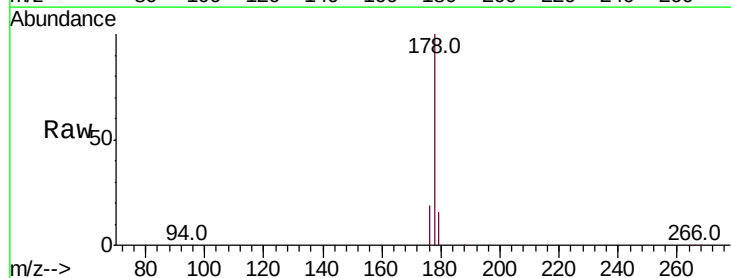
Instrument :
 BNA_N
 ClientSampleId :

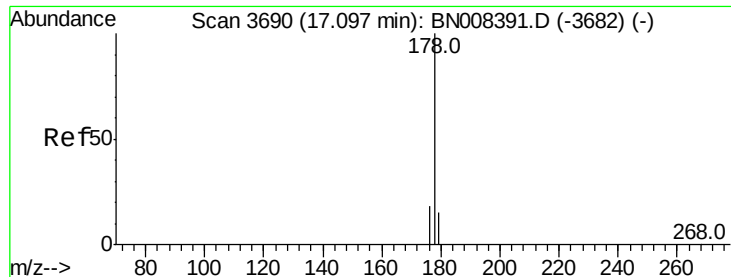
Tot Ion:166 Resp: 1963
 Ion Ratio Lower Upper
 166 100
 165 98.4 76.6 115.0
 167 19.5 11.7 17.5#



#12
Phenanthrene
 Concen: 1.509 ng/ul
 RT: 17.00 min Scan# 3667
 Delta R.T. -0.02 min
 Lab File: BN008401.D
 Acq: 24 Oct 2019 23:11

Tgt Ion:178 Resp: 46878
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.8 19.2
 176 18.6 15.4 23.2





#13

Anthracene

Concen: 0.378 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. -0.02 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

Instrument :

BNA_N

ClientSampleId :

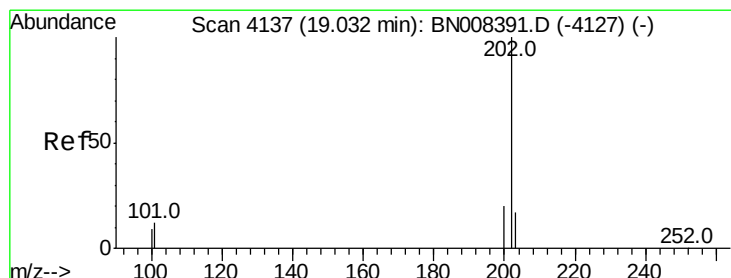
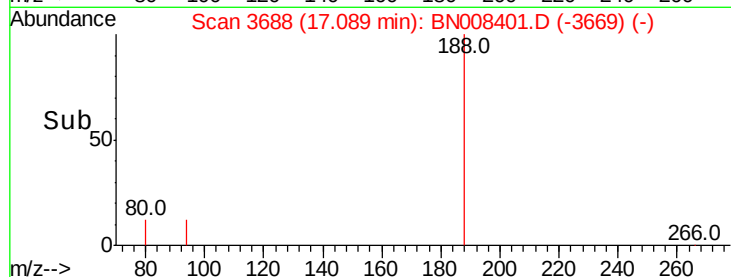
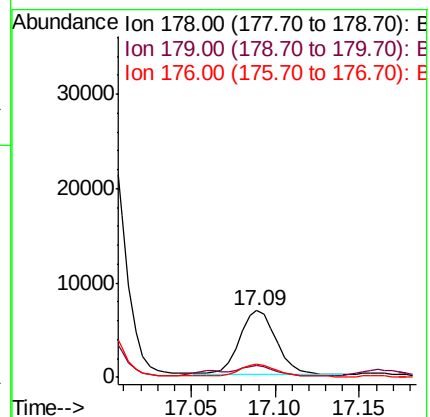
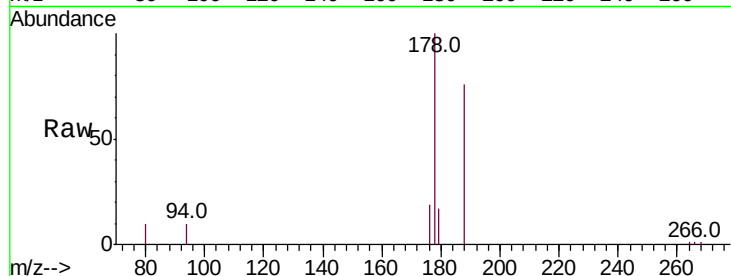
Tot Ion:178 Resp: 10324

Ion Ratio Lower Upper

178 100

179 17.0 13.0 19.6

176 19.0 15.0 22.6



#15

Fluoranthene

Concen: 2.844 ng/ul

RT: 19.02 min Scan# 4135

Delta R.T. -0.02 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

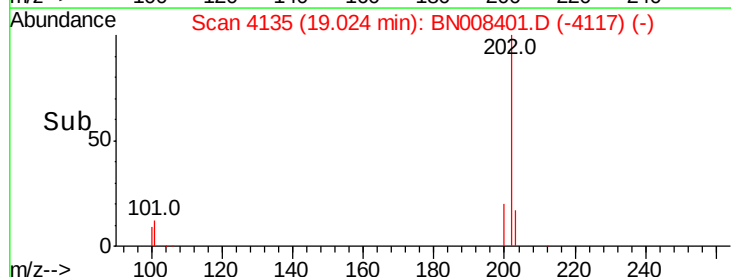
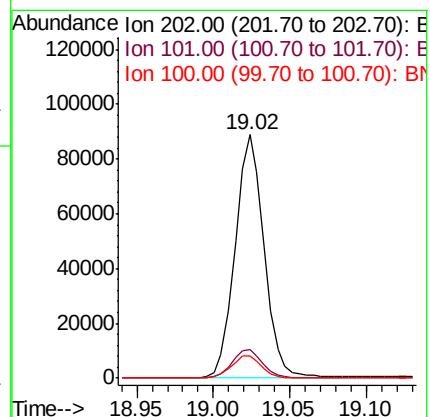
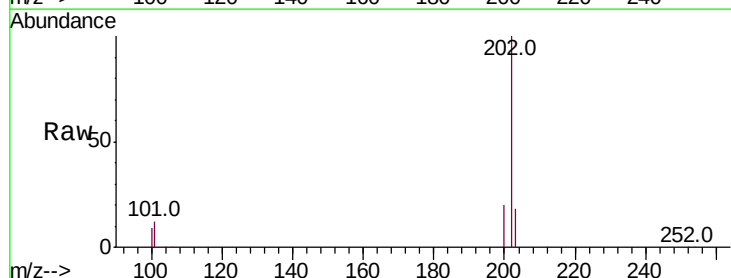
Tgt Ion:202 Resp: 116707

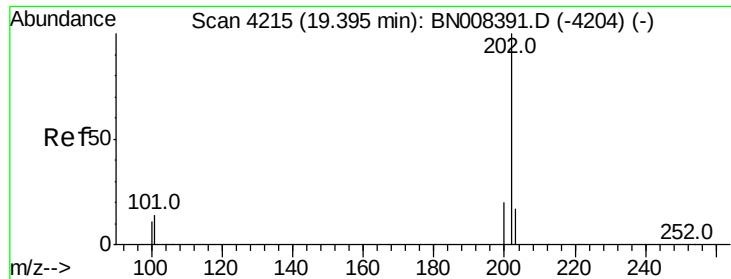
Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

100 8.9 0.0 28.5

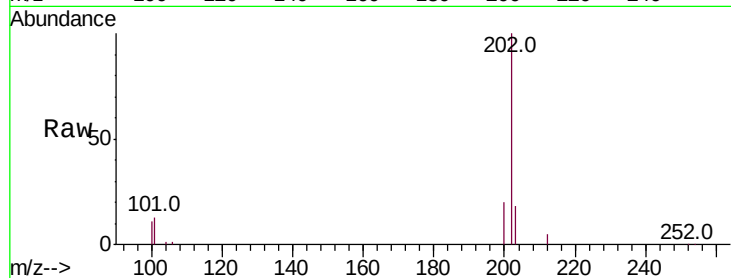




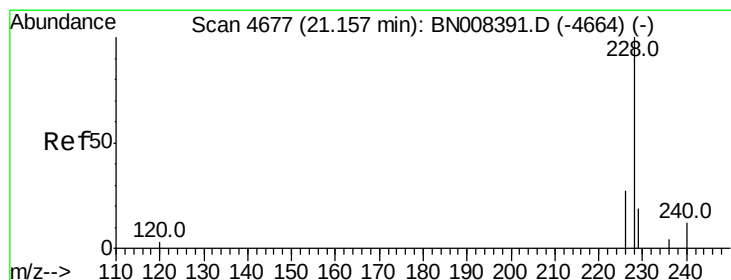
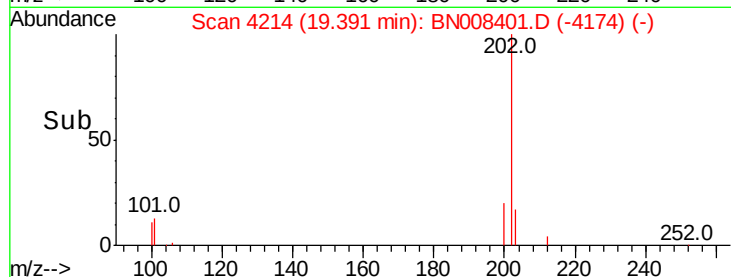
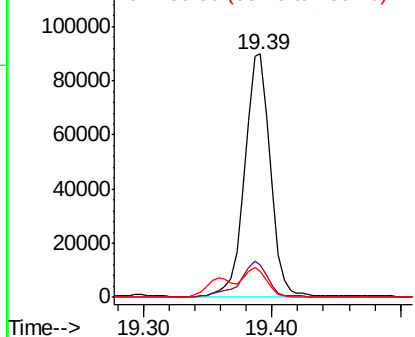
#17
Pvrene
Concen: 3.060 ng/ul
RT: 19.39 min Scan# 4214
Delta R.T. -0.01 min
Lab File: BN008401.D
Acq: 24 Oct 2019 23:11

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.9	16.3
100	10.8	8.7	13.1

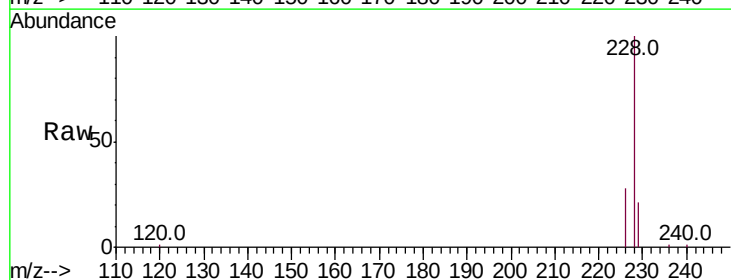


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

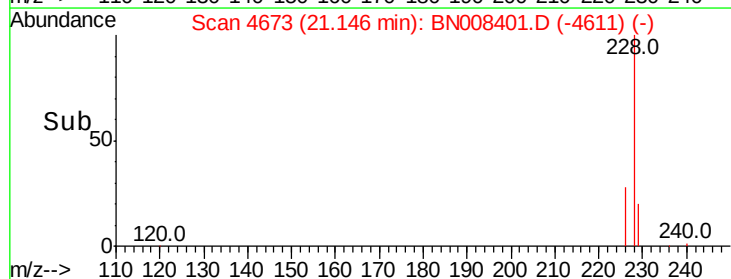
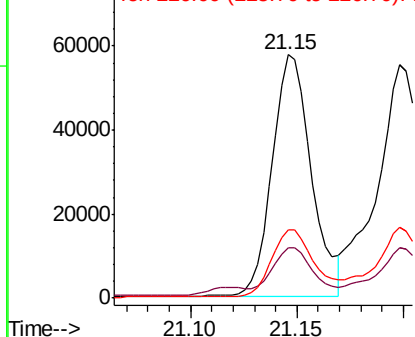


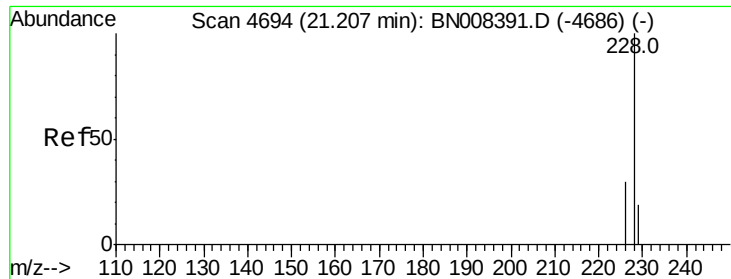
#18
Benzo(a)anthracene
Concen: 1.981 ng/ul
RT: 21.15 min Scan# 4673
Delta R.T. -0.02 min
Lab File: BN008401.D
Acq: 24 Oct 2019 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.2	24.2
226	28.3	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: 1.803 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. -0.02 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

Instrument :

BNA_N

ClientSampleId :

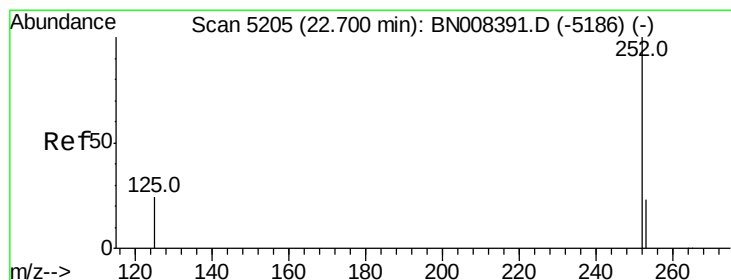
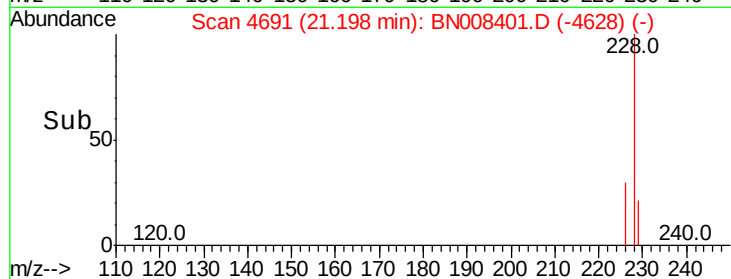
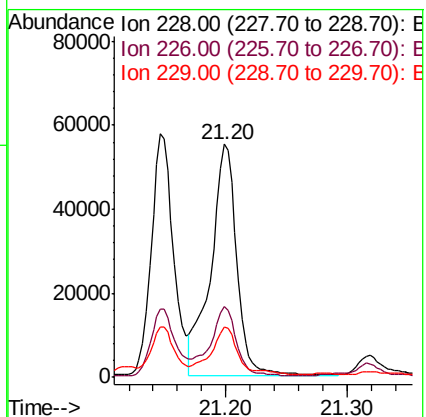
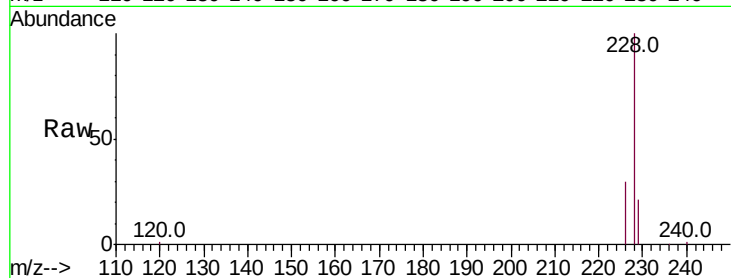
Tot Ion:228 Resp: 81960

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 21.5 16.2 24.2



#21

Benzo(b)fluoranthene

Concen: 3.999 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.02 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

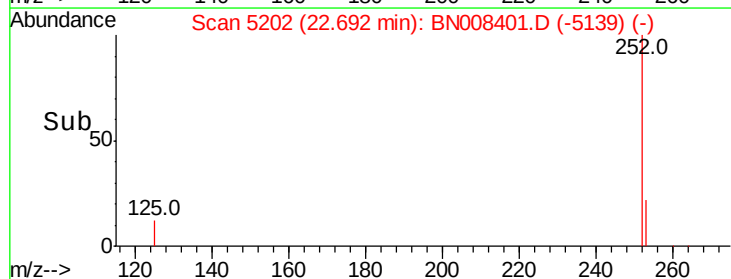
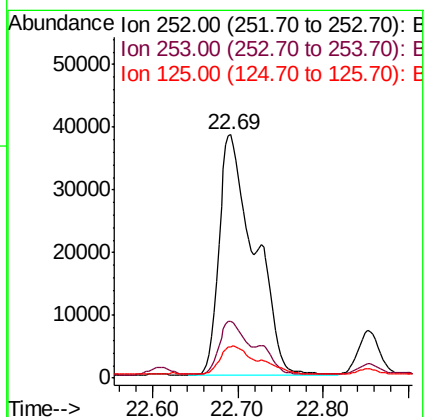
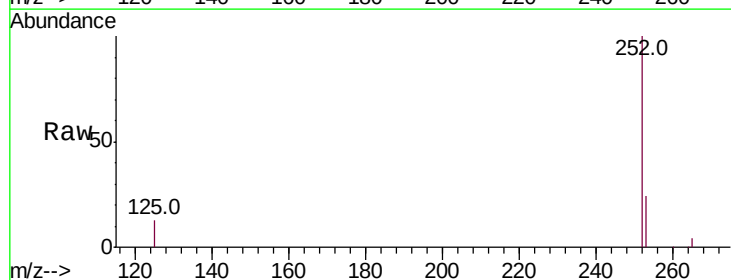
Tgt Ion:252 Resp: 112384

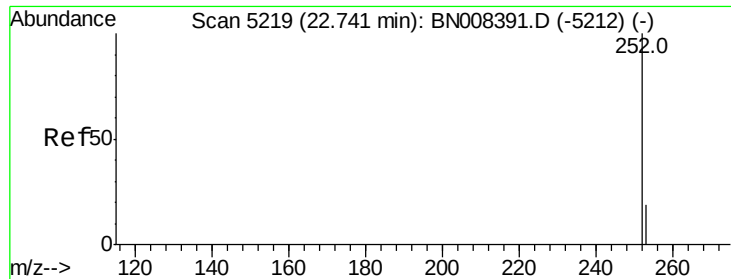
Ion Ratio Lower Upper

252 100

253 23.5 0.0 53.4

125 13.0 0.0 32.4





#22

Benzo(k)fluoranthene

Concen: 3.530 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.06 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

Instrument :

BNA_N

ClientSampleId :

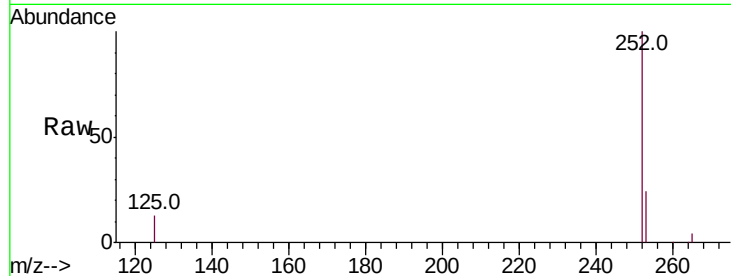
Tot Ion:252 Resp: 112384

Ion Ratio Lower Upper

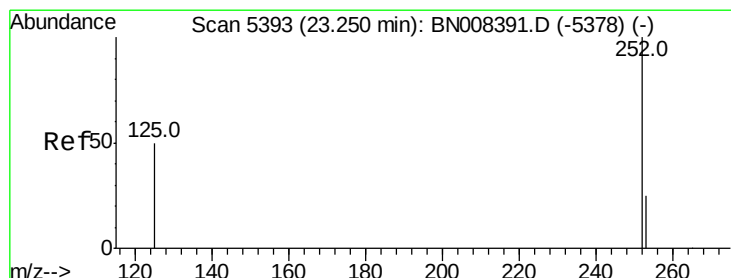
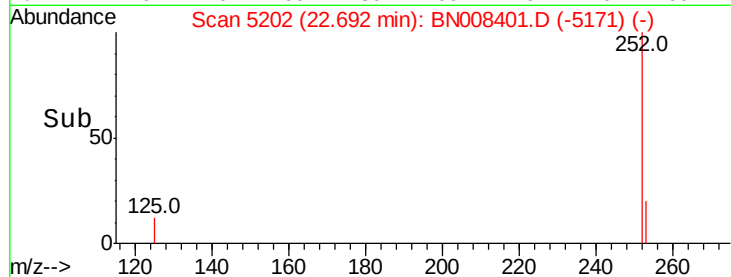
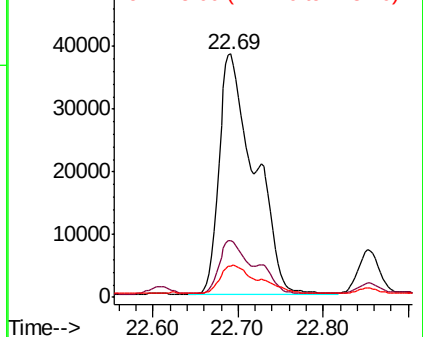
252 100

253 23.5 21.3 31.9

125 13.0 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: 0.270 ng/ul

RT: 23.38 min Scan# 5436

Delta R.T. 0.11 min

Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

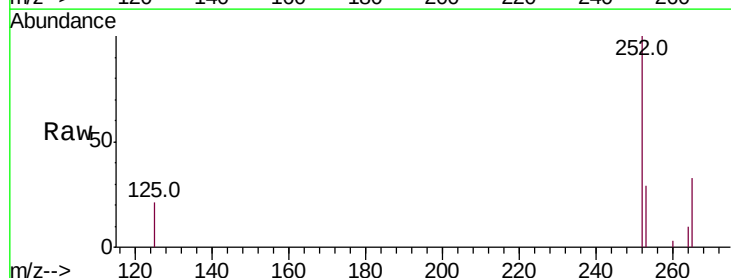
Tgt Ion:252 Resp: 7973

Ion Ratio Lower Upper

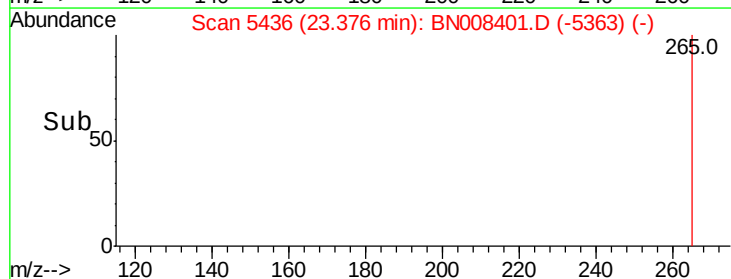
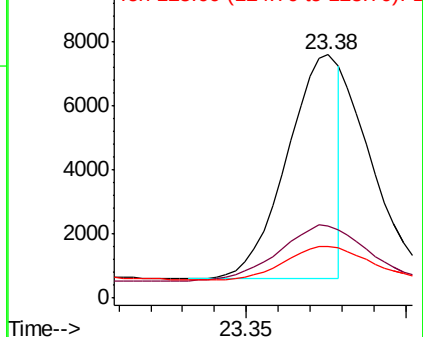
252 100

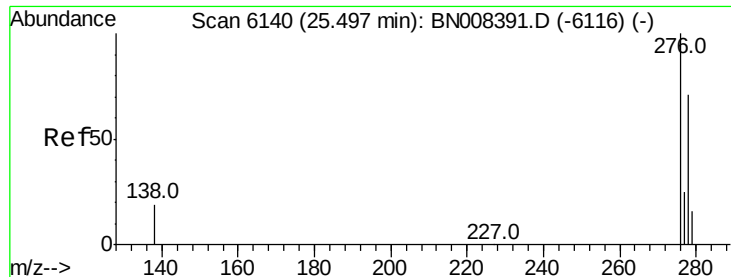
253 29.4 22.8 34.2

125 21.1 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



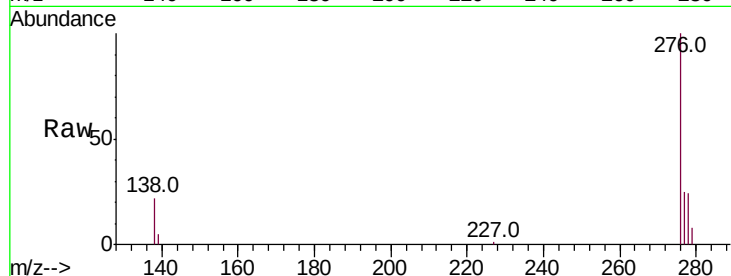


#24

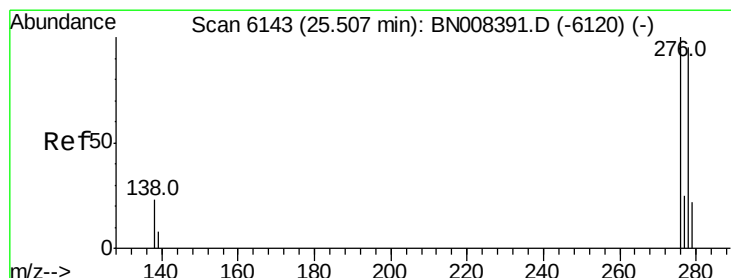
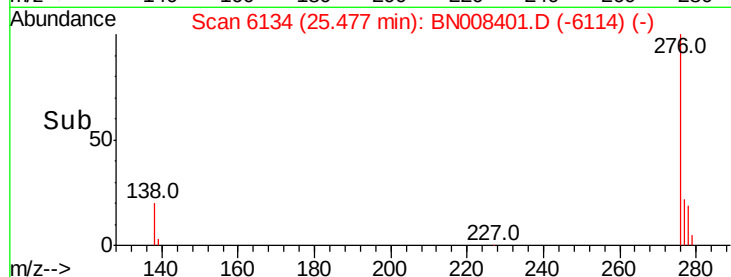
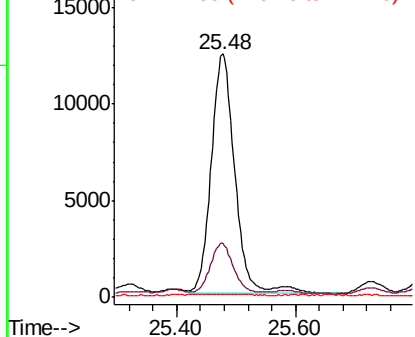
Indeno(1,2,3-cd)pyrene
Concen: 0.983 ng/ul
RT: 25.48 min Scan# 6134
Delta R.T. -0.03 min
Lab File: BN008401.D
Acq: 24 Oct 2019 23:11

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 34234
Ion Ratio Lower Upper
276 100
138 19.7 16.1 24.1
227 0.2 0.2 0.2



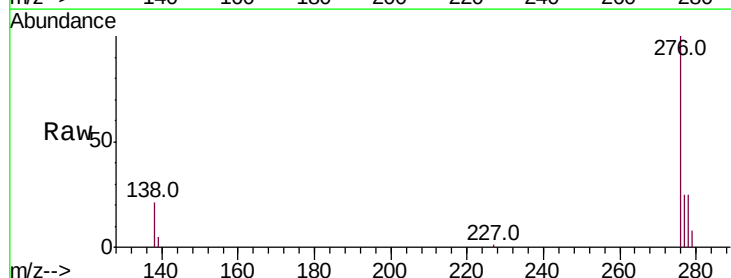
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



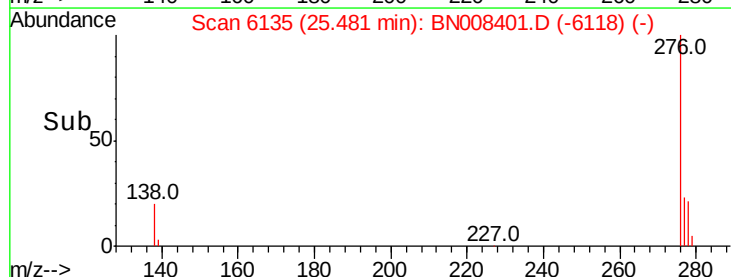
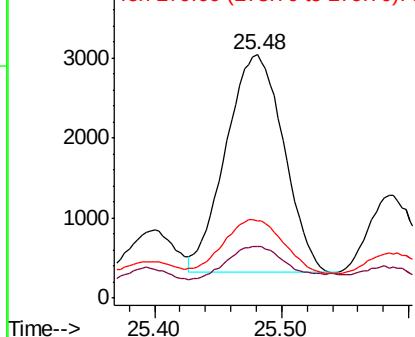
#25

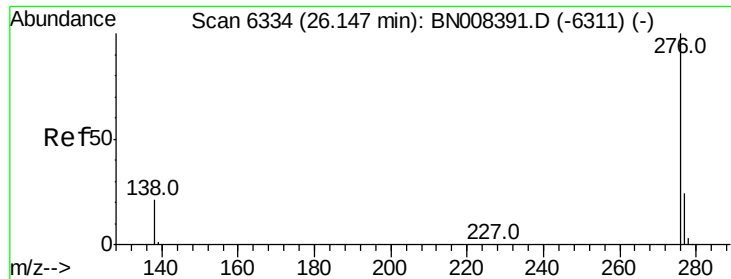
Dibenzo(a,h)anthracene
Concen: 0.312 ng/ul
RT: 25.48 min Scan# 6135
Delta R.T. -0.04 min
Lab File: BN008401.D
Acq: 24 Oct 2019 23:11

Tgt Ion:278 Resp: 8602
Ion Ratio Lower Upper
278 100
139 21.4 15.0 22.6
279 31.8 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: 1.010 ng/ul

RT: 26.13 min Scan# 6329

Delta R.T. -0.04 min

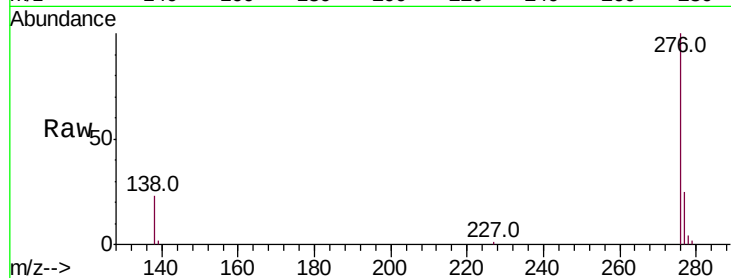
Lab File: BN008401.D

Acq: 24 Oct 2019 23:11

Instrument :

BNA_N

ClientSampleId :



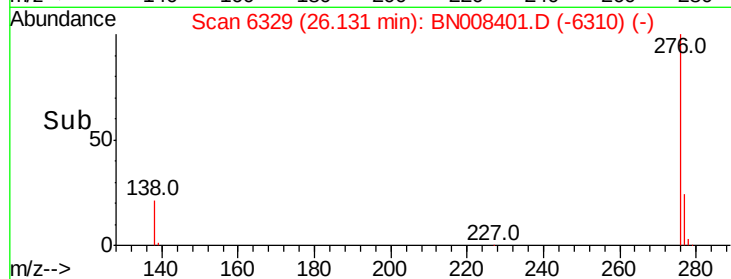
Tot Ion:276 Resp: 32251

Ion Ratio Lower Upper

276 100

138 22.6 17.0 25.4

277 24.9 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

