

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008324.D
 Acq On : 22 Oct 2019 20:46
 Operator : JU
 Sample : K5223-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 01:05:07 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

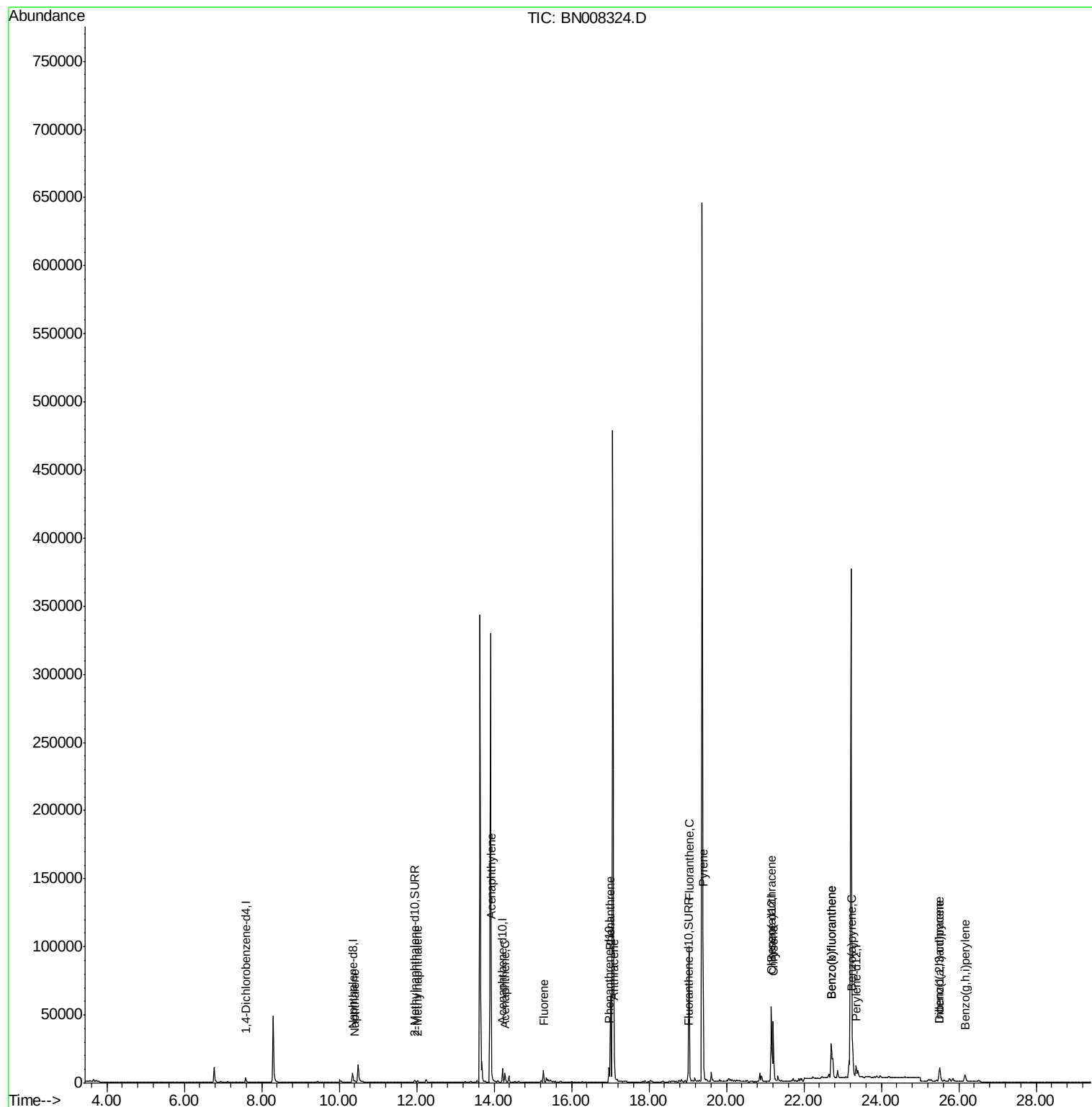
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1817	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8869	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5594	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	12186	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11291	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	9654	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2474	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	7202	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	1477	0.058	ng/ul#	88
5) 2-Methylnaphthalene	12.02	142	1260	0.073	ng/ul	98
7) Acenaphthylene	13.93	152	2043	0.077	ng/ul#	89
8) Acenaphthene	14.28	153	4049	0.195	ng/ul	98
9) Fluorene	15.27	166	5220	0.222	ng/ul	98
12) Phenanthrene	17.01	178	67512	1.892	ng/ul	99
13) Anthracene	17.10	178	17490	0.557	ng/ul	99
15) Fluoranthene	19.04	202	87270	1.852	ng/ul	99
17) Pyrene	19.40	202	74629	1.660	ng/ul	99
18) Benzo(a)anthracene	21.16	228	45193	1.101	ng/ul	98
19) Chrysene	21.21	228	43797	0.869	ng/ul	97
21) Benzo(b)fluoranthene	22.71	252	59086	1.880	ng/ul	96
22) Benzo(k)fluoranthene	22.71	252	59025	1.658	ng/ul	97
23) Benzo(a)pyrene	23.26	252	28235	0.854	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.50	276	15926	0.409	ng/ul	94
25) Dibenzo(a,h)anthracene	25.51	278	5153	0.167	ng/ul#	87
26) Benzo(a,h,i)perylene	26.16	276	11063	0.310	ng/ul	96

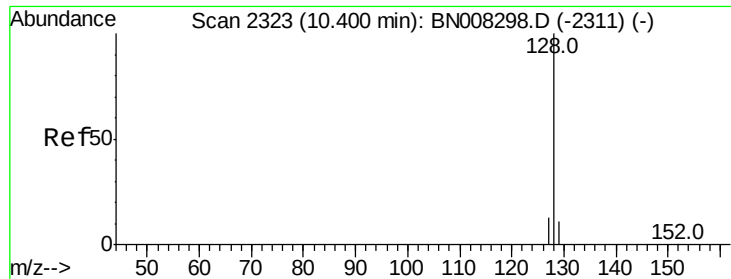
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008324.D
Acq On : 22 Oct 2019 20:46
Operator : JU
Sample : K5223-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Oct 23 01:05:07 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





#3

Naphthalene

Concen: 0.058 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

Instrument :

BNA_N

ClientSampleId :

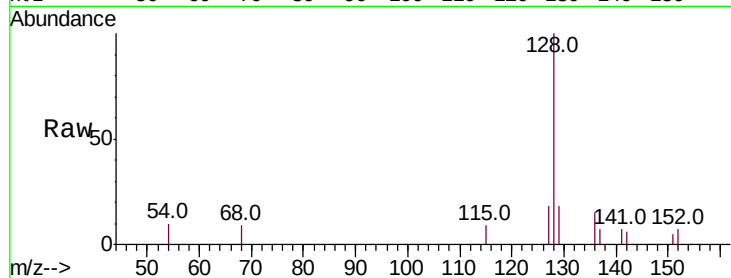
Tot Ion:128 Resp: 1477

Ion Ratio Lower Upper

128 100

129 17.6 9.8 14.8#

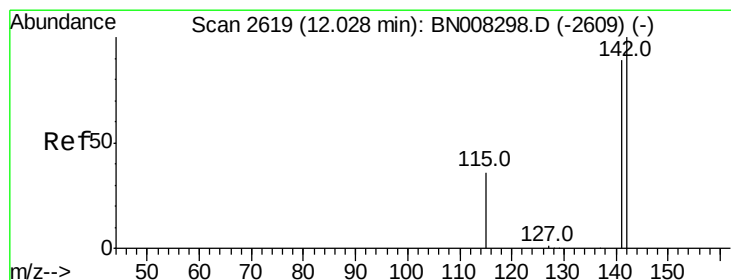
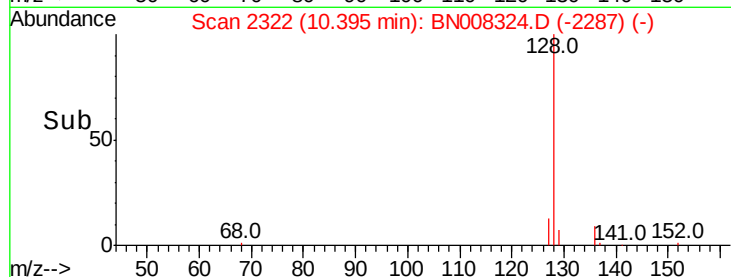
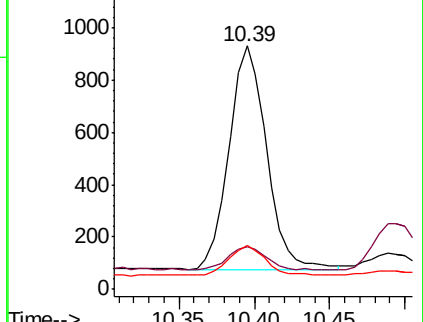
127 17.9 11.1 16.7#



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



#5

2-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008324.D

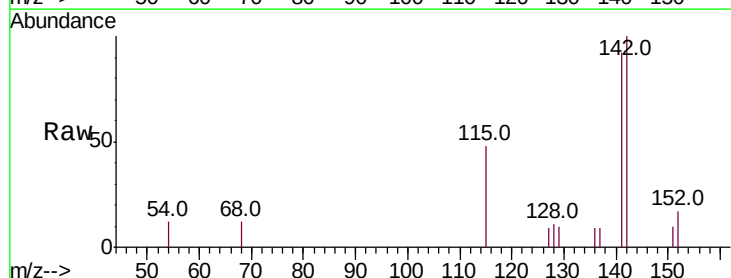
Acq: 22 Oct 2019 20:46

Tgt Ion:142 Resp: 1260

Ion Ratio Lower Upper

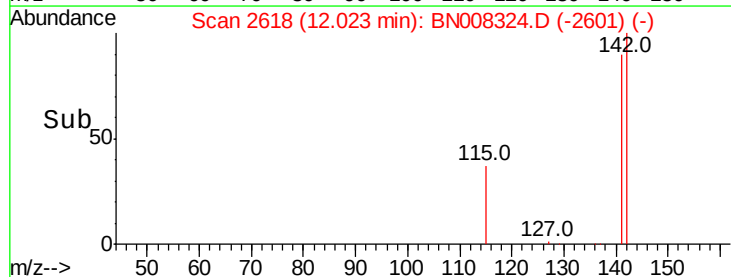
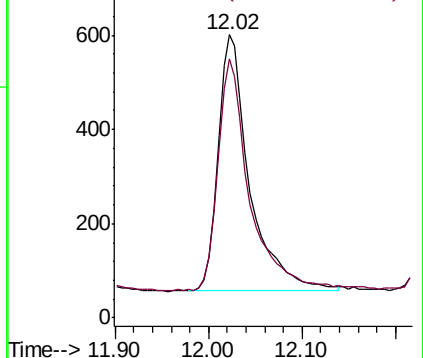
142 100

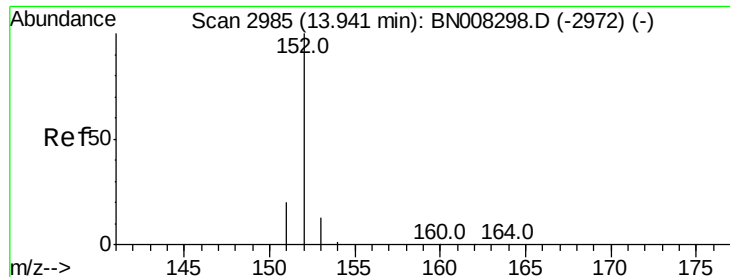
141 91.3 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.077 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

Instrument :

BNA_N

ClientSampleId :

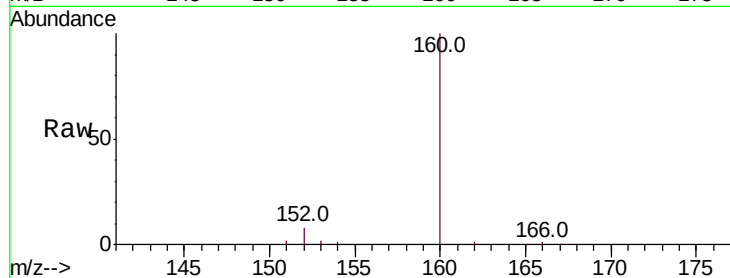
Tot Ion:152 Resp: 2043

Ion Ratio Lower Upper

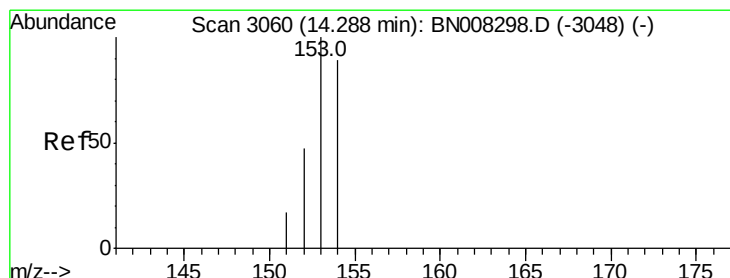
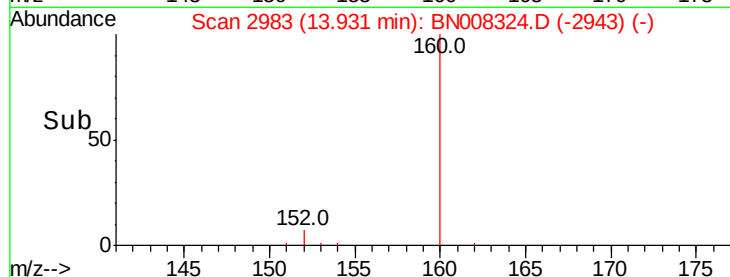
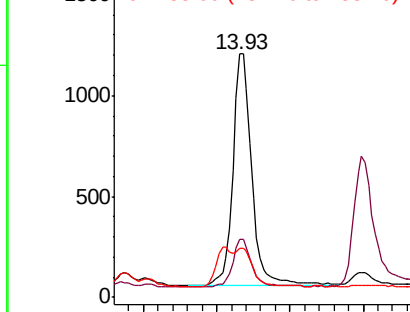
152 100

151 23.8 16.2 24.4

153 20.0 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: 0.195 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

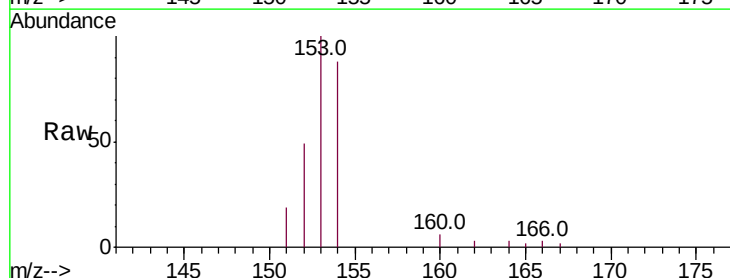
Tgt Ion:153 Resp: 4049

Ion Ratio Lower Upper

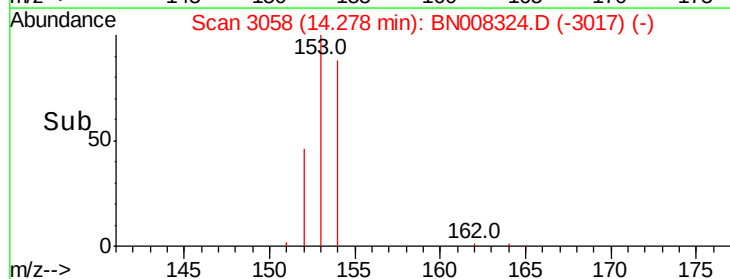
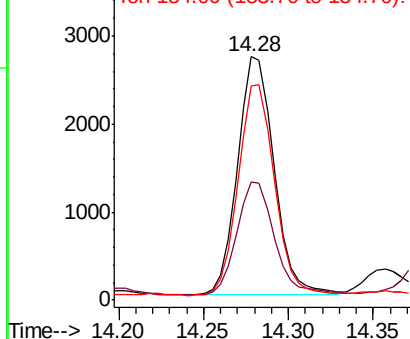
153 100

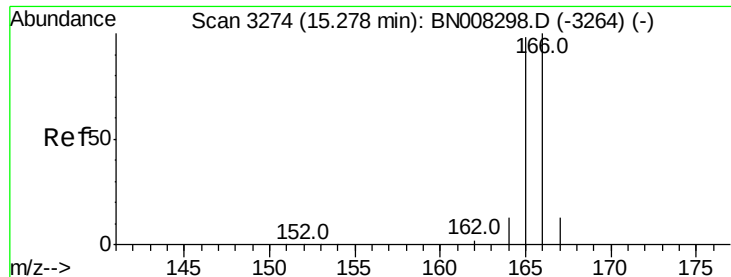
152 48.8 38.2 57.2

154 87.9 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: 0.222 ng/ul

RT: 15.27 min Scan# 3273

Delta R.T. -0.01 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

Instrument :

BNA_N

ClientSampleId :

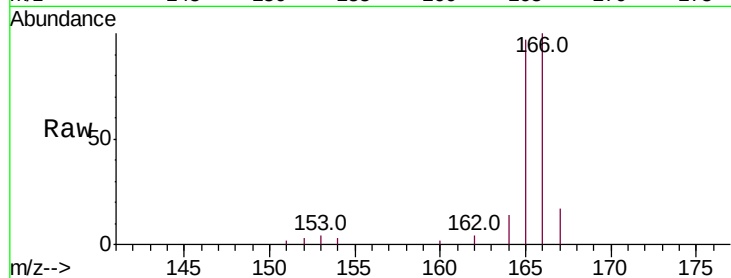
Tot Ion:166 Resp: 5220

Ion Ratio Lower Upper

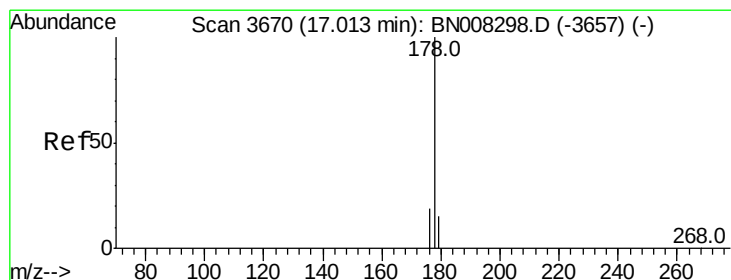
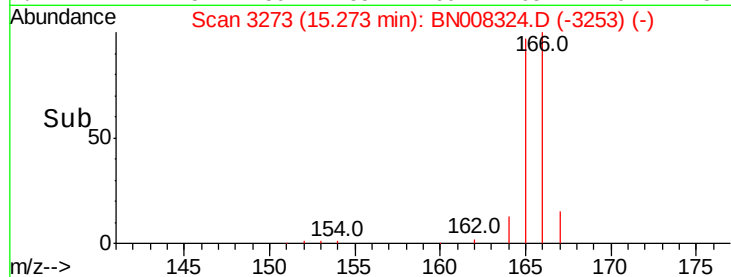
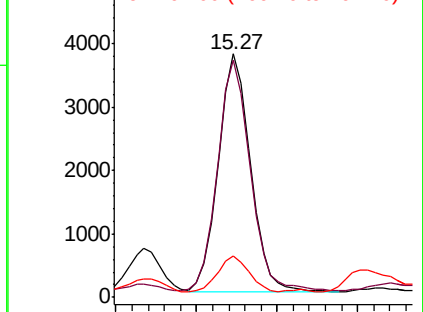
166 100

165 97.5 76.6 115.0

167 16.8 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



#12

Phenanthrene

Concen: 1.892 ng/ul

RT: 17.01 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

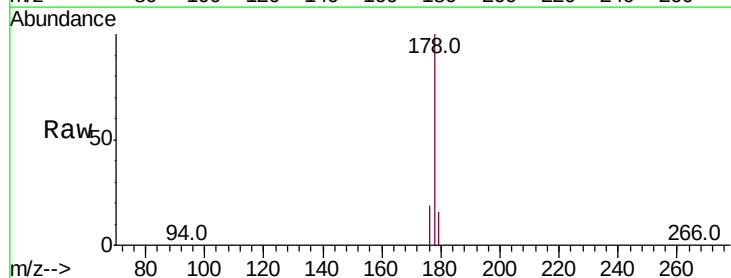
Tgt Ion:178 Resp: 67512

Ion Ratio Lower Upper

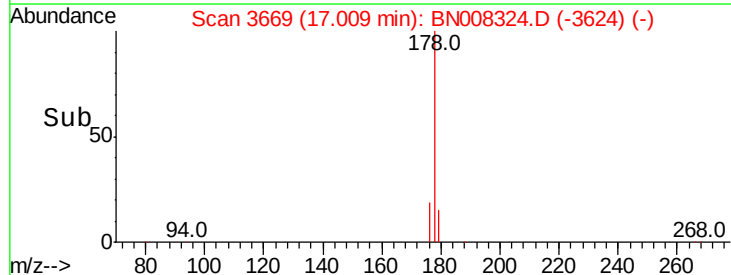
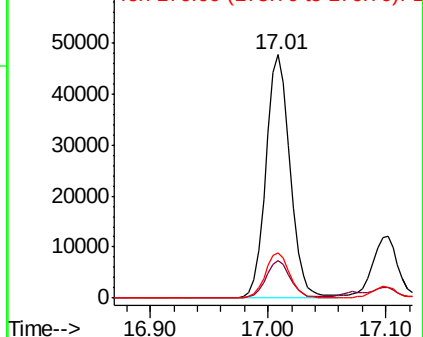
178 100

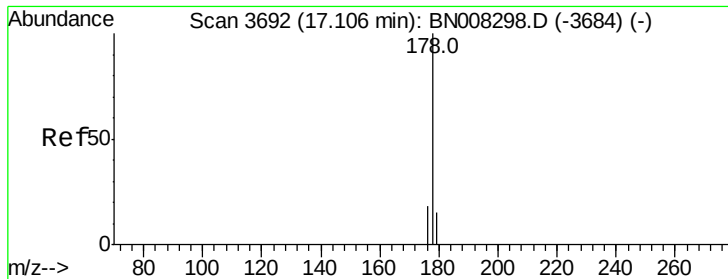
179 15.6 12.8 19.2

176 18.8 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

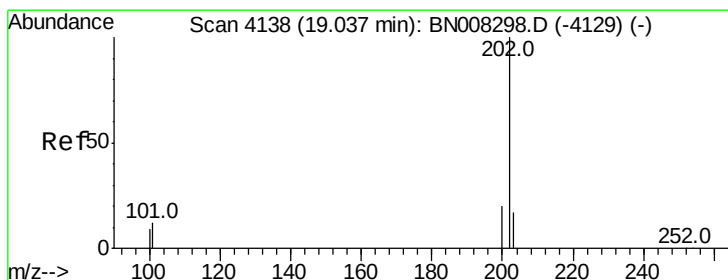
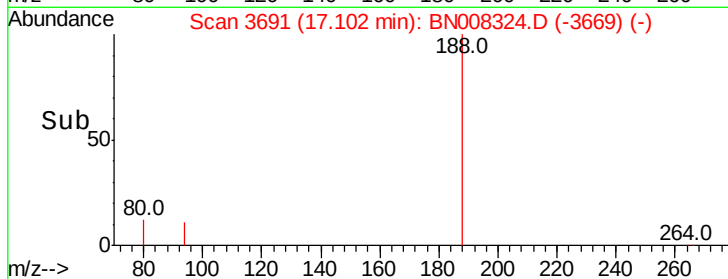
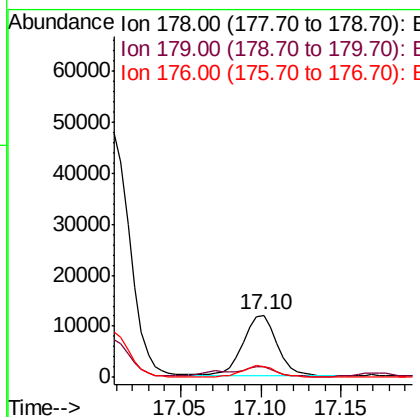
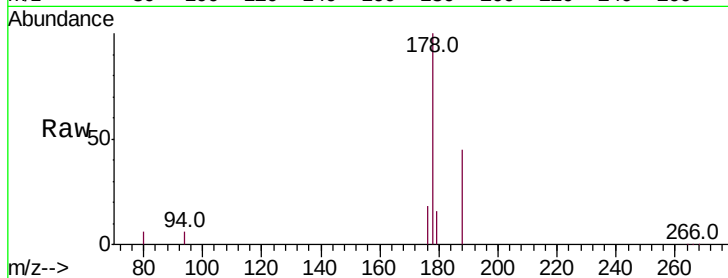




#13
 Anthracene
 Concen: 0.557 ng/ul
 RT: 17.10 min Scan# 3691
 Delta R.T. -0.01 min
 Lab File: BN008324.D
 Acq: 22 Oct 2019 20:46

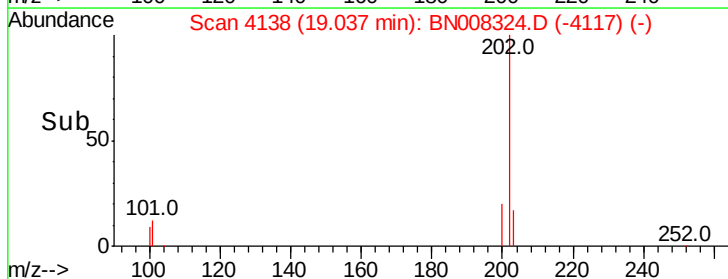
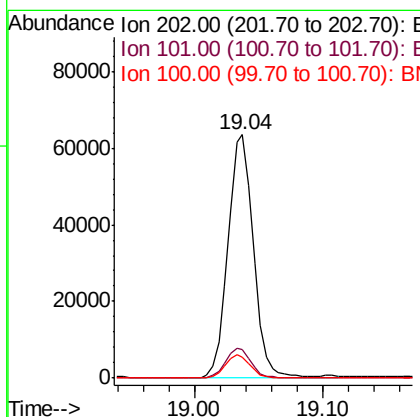
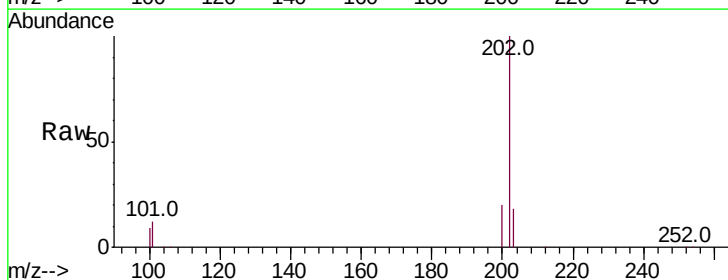
Instrument :
 BNA_N
 ClientSampleId :

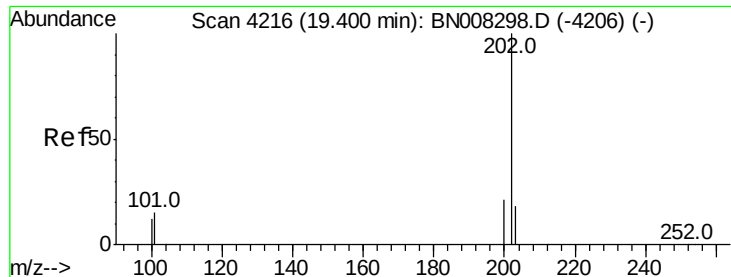
Tot Ion:178 Resp: 17490
 Ion Ratio Lower Upper
 178 100
 179 16.5 13.0 19.6
 176 18.1 15.0 22.6



#15
 Fluoranthene
 Concen: 1.852 ng/ul
 RT: 19.04 min Scan# 4138
 Delta R.T. -0.00 min
 Lab File: BN008324.D
 Acq: 22 Oct 2019 20:46

Tgt Ion:202 Resp: 87270
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 31.2
 100 8.8 0.0 28.5

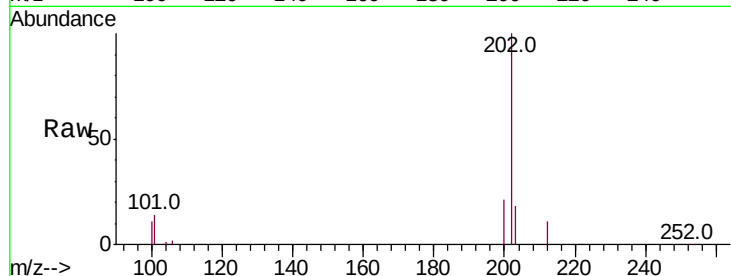




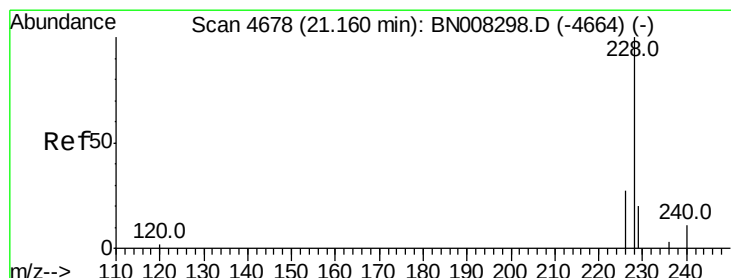
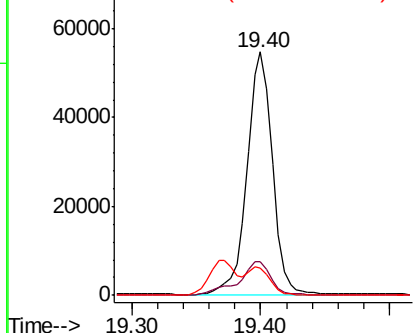
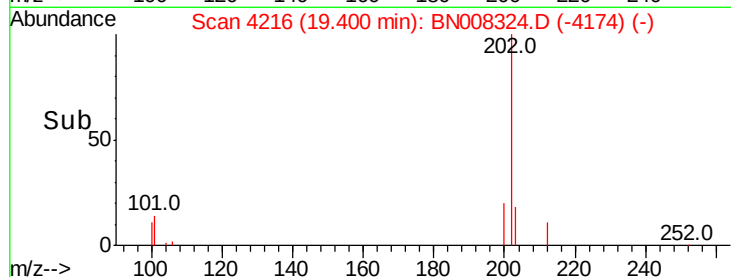
#17
Pvrene
Concen: 1.660 ng/ul
RT: 19.40 min Scan# 4216
Delta R.T. -0.00 min
Lab File: BN008324.D
Acq: 22 Oct 2019 20:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 74629
Ion Ratio Lower Upper
202 100
101 14.0 10.9 16.3
100 11.5 8.7 13.1

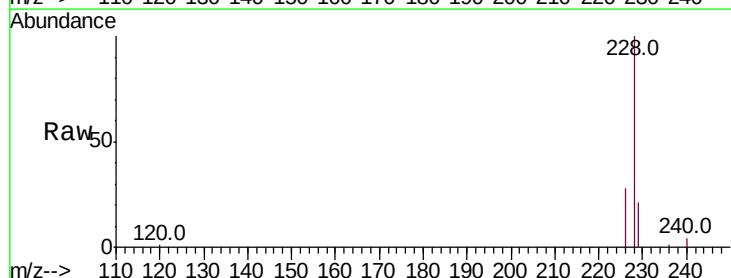


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

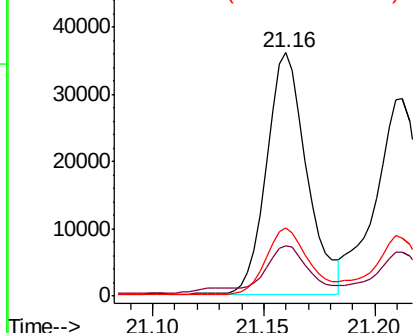
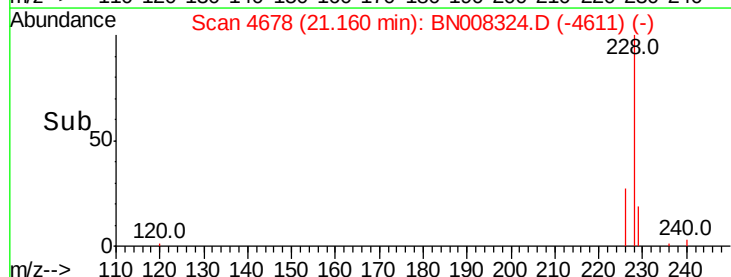


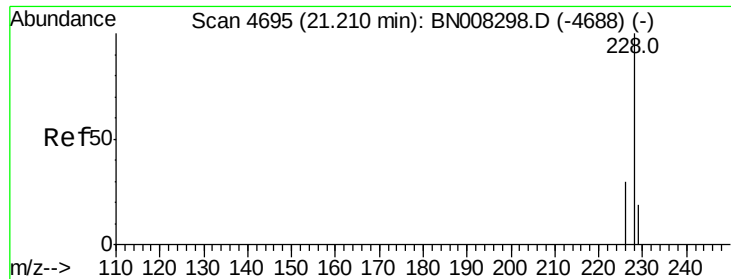
#18
Benzo(a)anthracene
Concen: 1.101 ng/ul
RT: 21.16 min Scan# 4678
Delta R.T. -0.01 min
Lab File: BN008324.D
Acq: 22 Oct 2019 20:46

Tgt Ion:228 Resp: 45193
Ion Ratio Lower Upper
228 100
229 20.7 16.2 24.2
226 27.9 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: 0.869 ng/ul

RT: 21.21 min Scan# 4696

Delta R.T. -0.00 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

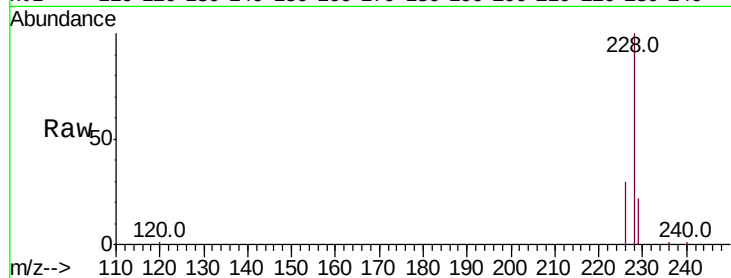
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 43797

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	22.4	16.2	24.2

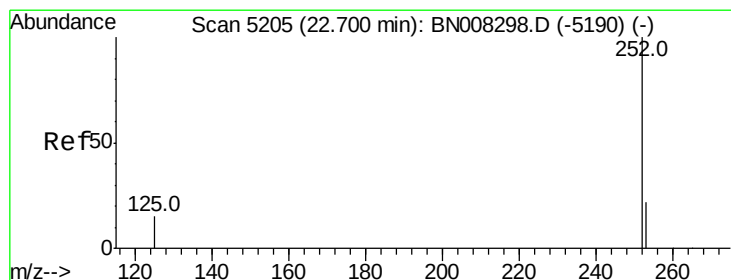
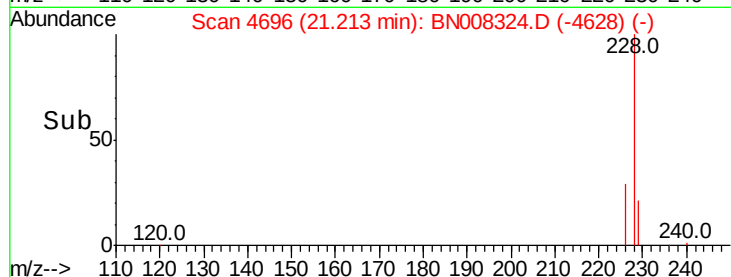
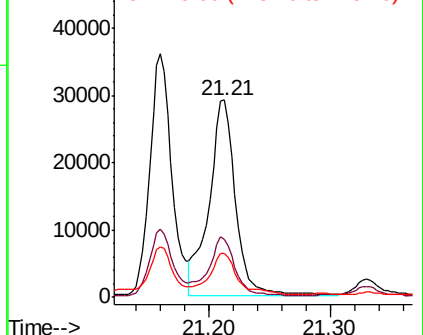


Abundance

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: 1.880 ng/ul

RT: 22.71 min Scan# 5207

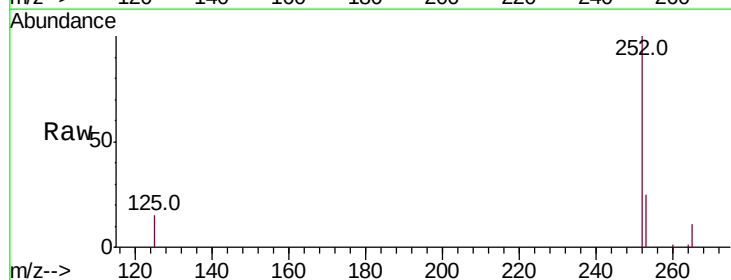
Delta R.T. -0.00 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

Tgt Ion:252 Resp: 59086

Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	53.4
125	14.9	0.0	32.4

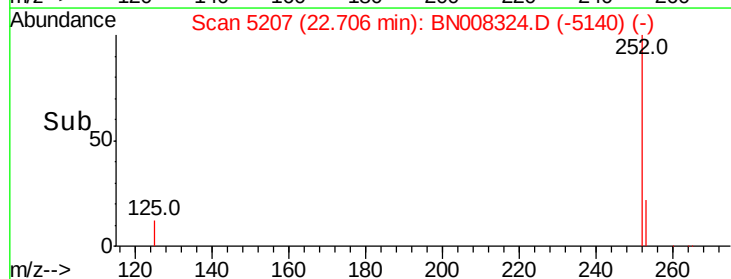
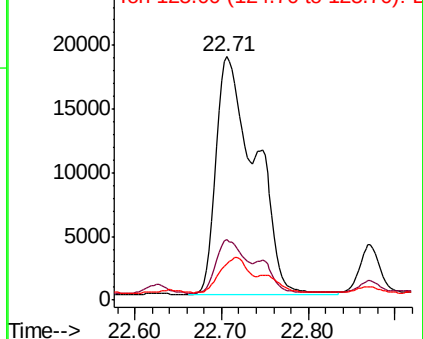


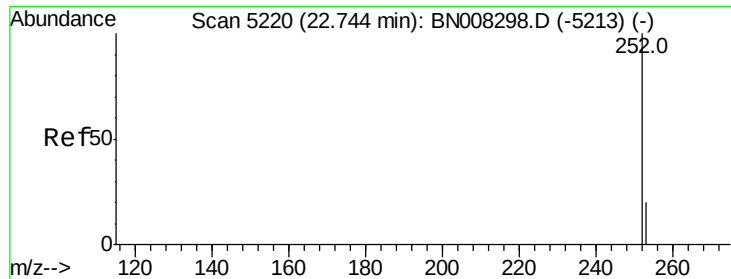
Abundance

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: 1.658 ng/ul

RT: 22.71 min Scan# 5207

Delta R.T. -0.05 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

Instrument :

BNA_N

ClientSampleId :

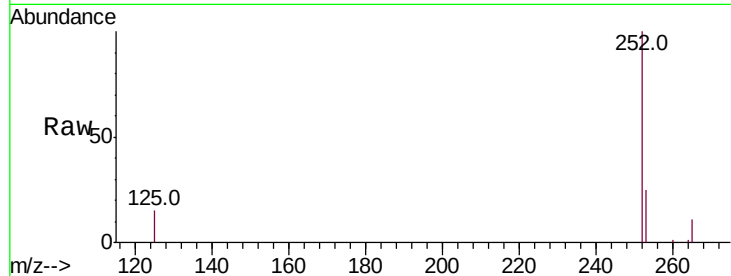
Tot Ion:252 Resp: 59025

Ion Ratio Lower Upper

252 100

253 24.7 21.3 31.9

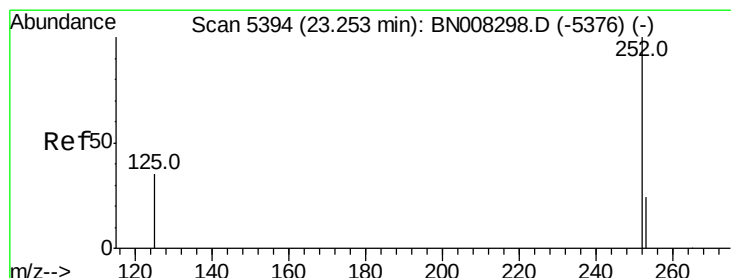
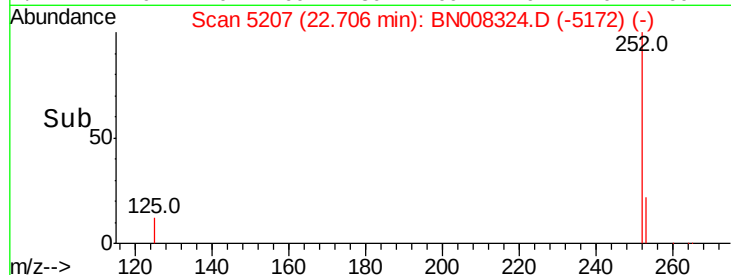
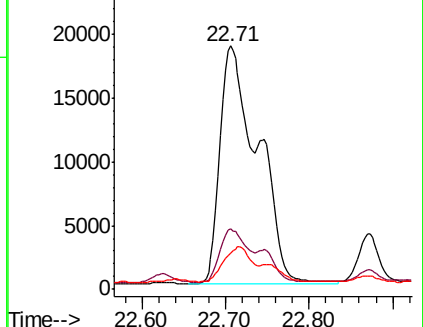
125 14.9 12.3 18.5



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: 0.854 ng/ul

RT: 23.26 min Scan# 5395

Delta R.T. -0.01 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

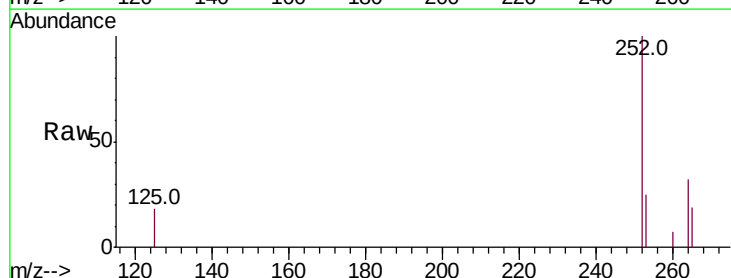
Tgt Ion:252 Resp: 28235

Ion Ratio Lower Upper

252 100

253 24.7 22.8 34.2

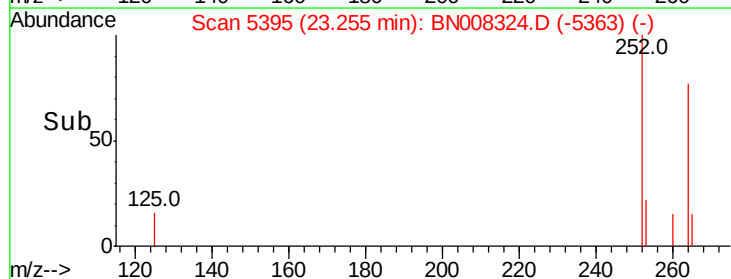
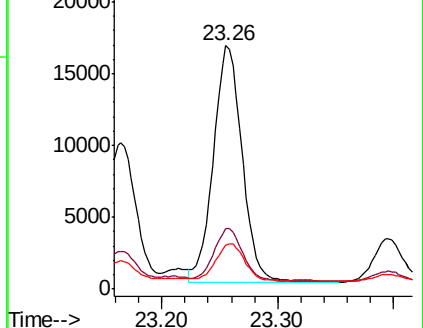
125 17.9 18.4 27.6#

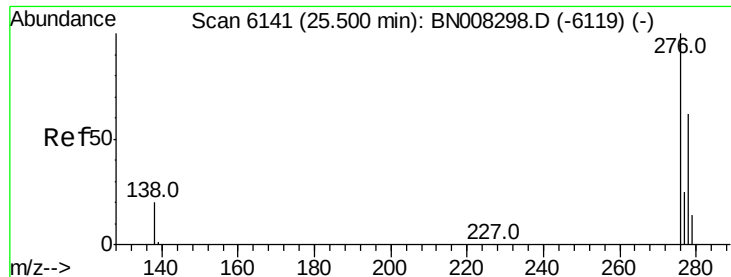


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



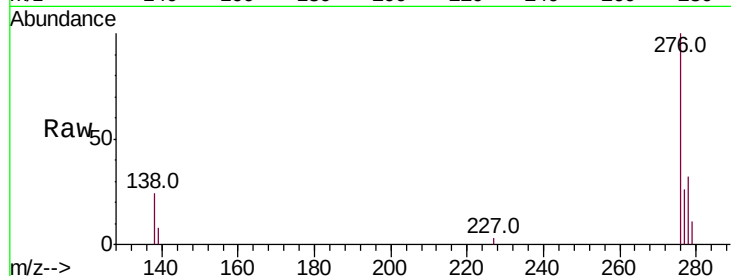


#24

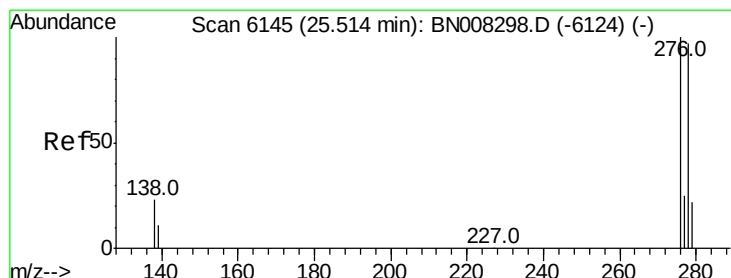
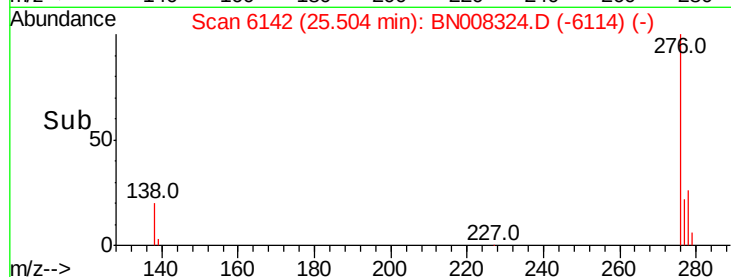
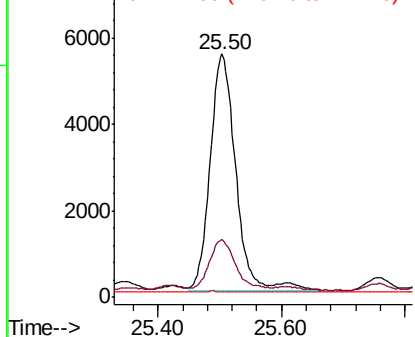
Indeno(1,2,3-cd)pyrene
Concen: 0.409 ng/ul
RT: 25.50 min Scan# 6142
Delta R.T. -0.01 min
Lab File: BN008324.D
Acq: 22 Oct 2019 20:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 15926
Ion Ratio Lower Upper
276 100
138 23.1 16.1 24.1
227 0.2 0.2 0.2



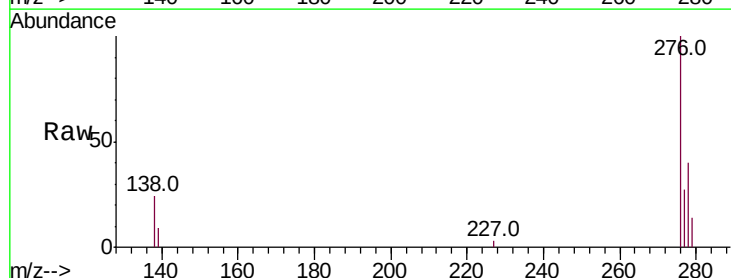
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



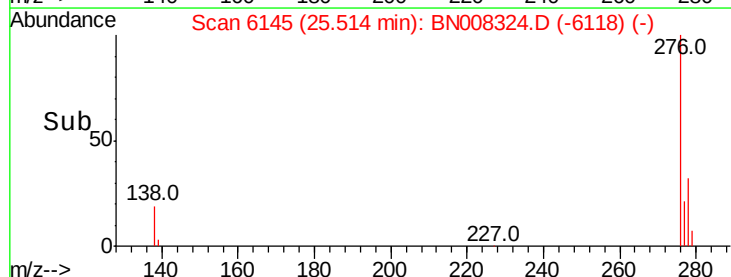
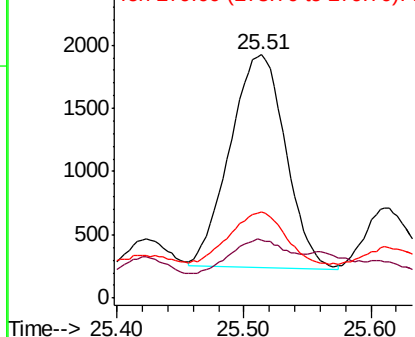
#25

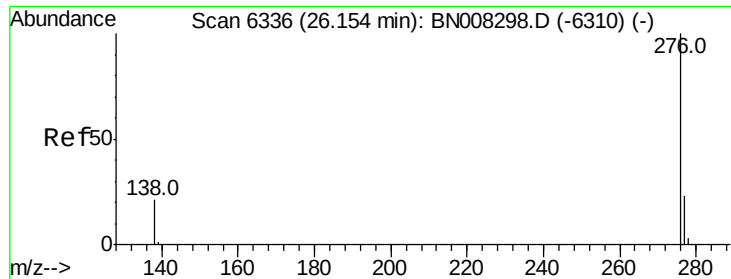
Dibenzo(a,h)anthracene
Concen: 0.167 ng/ul
RT: 25.51 min Scan# 6145
Delta R.T. -0.01 min
Lab File: BN008324.D
Acq: 22 Oct 2019 20:46

Tgt Ion:278 Resp: 5153
Ion Ratio Lower Upper
278 100
139 23.8 15.0 22.6#
279 35.2 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: 0.310 ng/ul

RT: 26.16 min Scan# 6338

Delta R.T. -0.01 min

Lab File: BN008324.D

Acq: 22 Oct 2019 20:46

Instrument :

BNA_N

ClientSampleId :

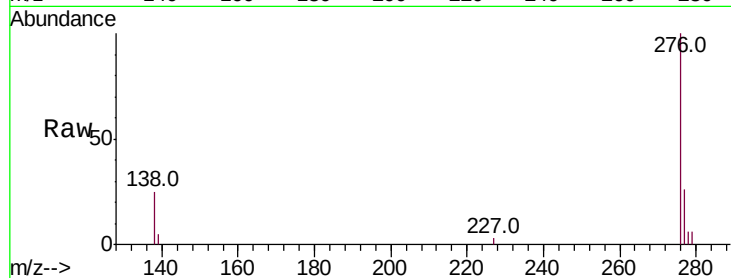
Tot Ion:276 Resp: 11063

Ion Ratio Lower Upper

276 100

138 24.7 17.0 25.4

277 26.2 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

