

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101919\
 Data File : BN008263.D
 Acq On : 19 Oct 2019 11:05
 Operator : JU
 Sample : K5177-06DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP95DL

Quant Time: Oct 19 20:51:30 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 : Fri Oct 18 23:47:17 2019
 Response via : Initial Calibration

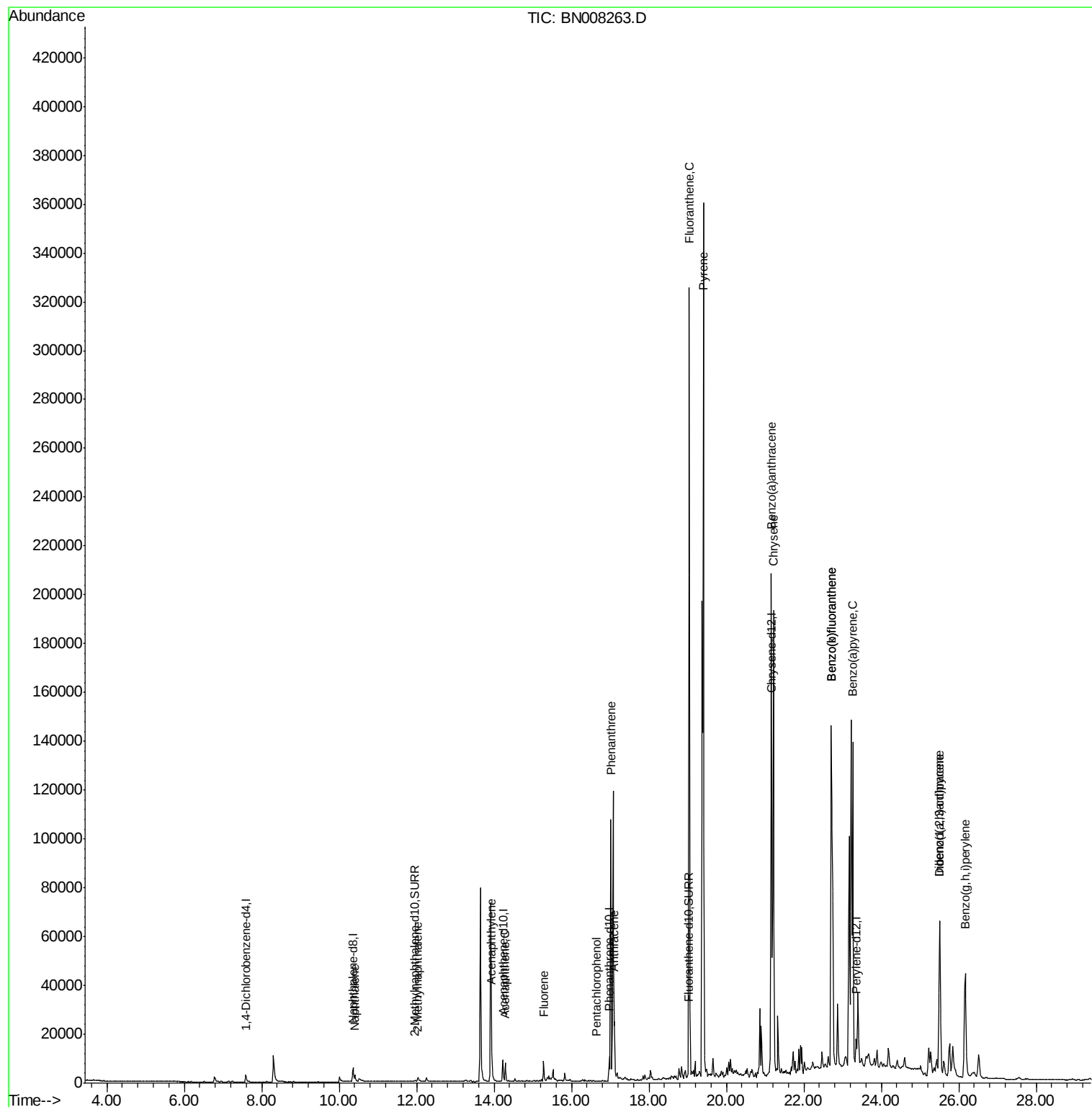
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1760	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	8434	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	5328	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	11813	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	12139	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13012	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	624	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	2074	0.05	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.41	128	3573	0.149	ng/ul	96
5) 2-Methylnaphthalene	12.03	142	1808	0.110	ng/ul	99
7) Acenaphthylene	13.94	152	8161	0.322	ng/ul	98
8) Acenaphthene	14.29	153	4496	0.228	ng/ul	97
9) Fluorene	15.28	166	5511	0.246	ng/ul#	96
11) Pentachlorophenol	16.65	266	65	0.023	ng/ul	97
12) Phenanthrene	17.01	178	116378	3.365	ng/ul	99
13) Anthracene	17.11	178	23907	0.785	ng/ul	99
15) Fluoranthene	19.04	202	270562	5.923	ng/ul	99
17) Pyrene	19.40	202	291633	6.034	ng/ul	99
18) Benzo(a)anthracene	21.16	228	177626	4.025	ng/ul	98
19) Chrysene	21.22	228	193724	3.577	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	308072	7.273	ng/ul	92
22) Benzo(k)fluoranthene	22.71	252	308072	6.420	ng/ul#	93
23) Benzo(a)pyrene	23.26	252	172055	3.860	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.51	276	93154	1.774	ng/ul	100
25) Dibenzo(a,h)anthracene	25.51	278	25177	0.607	ng/ul	97
26) Benzo(g,h,i)perylene	26.17	276	87871	1.825	ng/ul	99

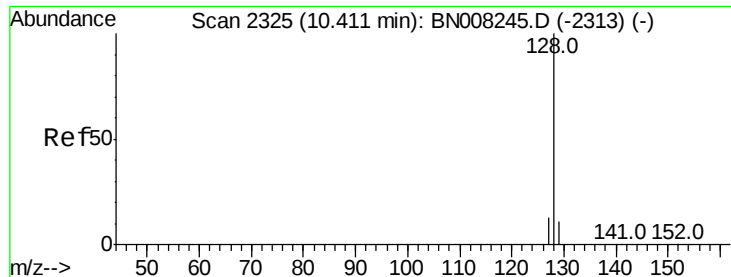
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.149 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

Instrument :

BNA_N

ClientSampleId :

BEP95DL

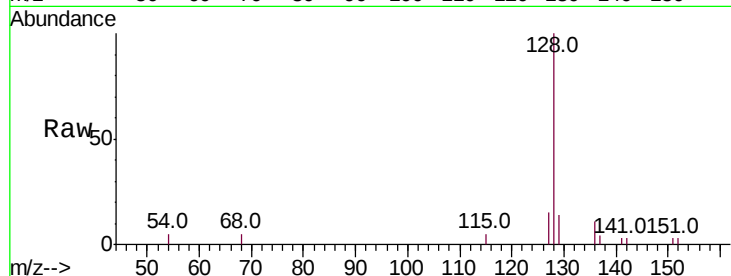
Tot Ion:128 Resp: 3573

Ion Ratio Lower Upper

128 100

129 14.2 9.8 14.8

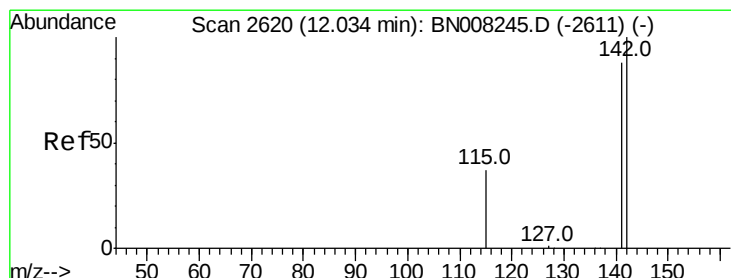
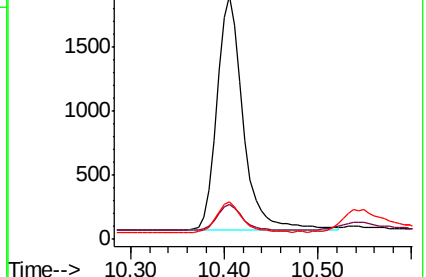
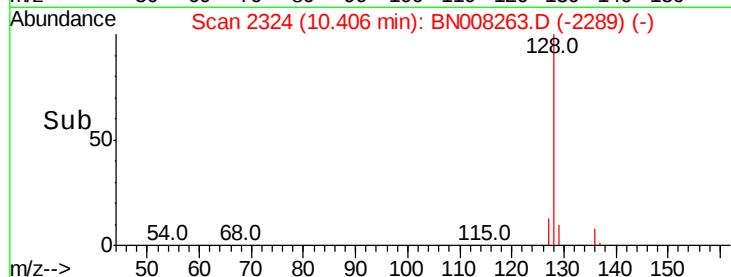
127 15.4 11.1 16.7



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: 0.110 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BN008263.D

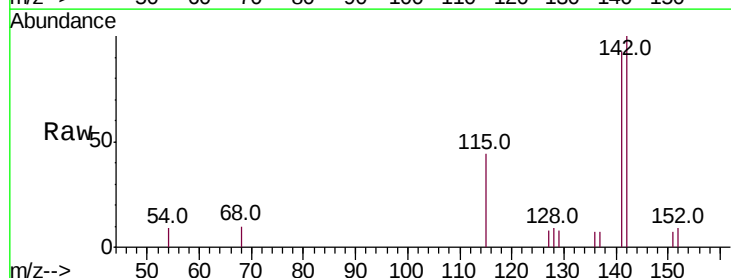
Acq: 19 Oct 2019 11:05

Tgt Ion:142 Resp: 1808

Ion Ratio Lower Upper

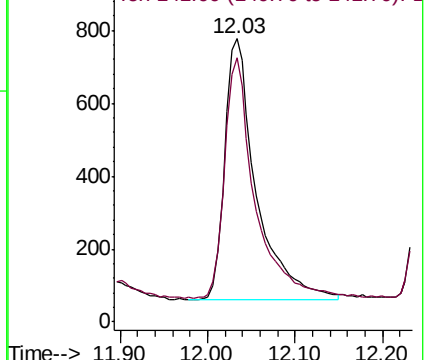
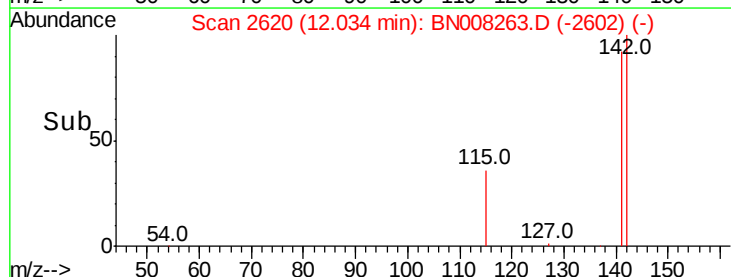
142 100

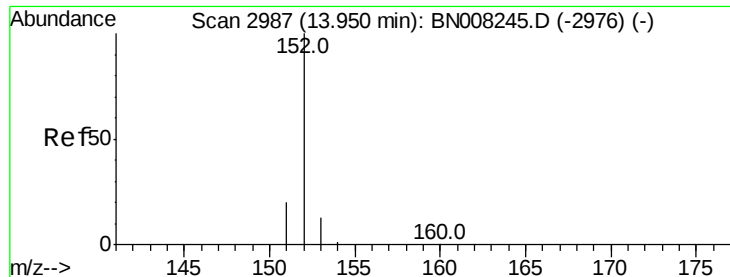
141 88.2 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.322 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.01 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

Instrument :

BNA_N

ClientSampleId :

BEP95DL

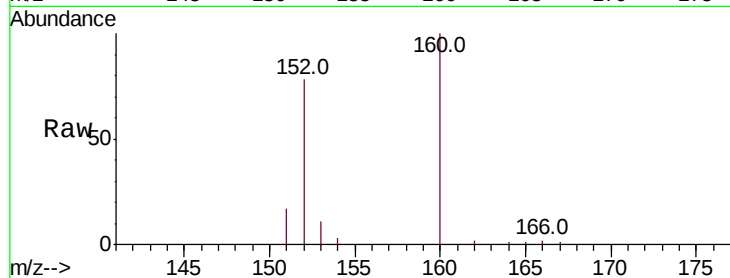
Tot Ion:152 Resp: 8161

Ion Ratio Lower Upper

152 100

151 21.1 16.2 24.4

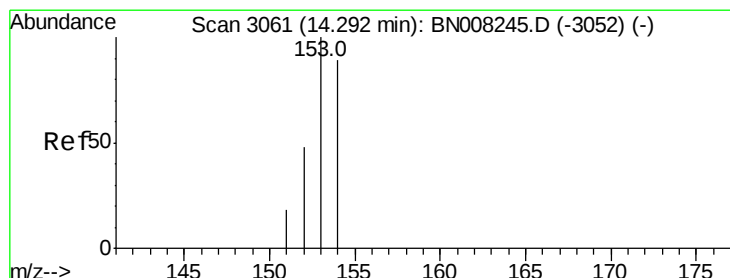
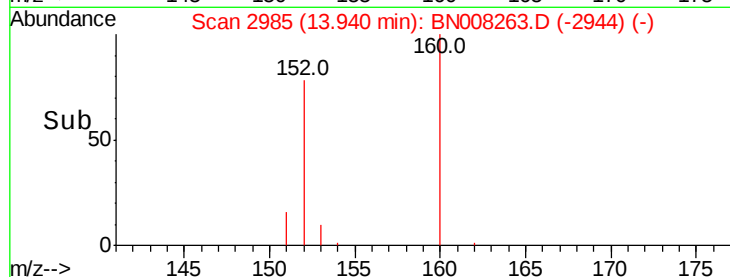
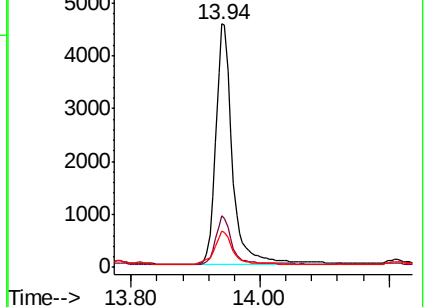
153 14.7 11.0 16.4



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: 0.228 ng/ul

RT: 14.29 min Scan# 3060

Delta R.T. -0.00 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

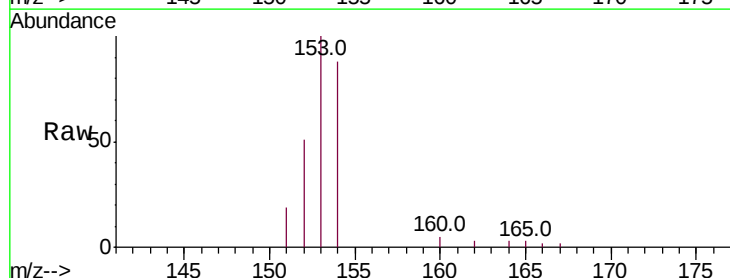
Tgt Ion:153 Resp: 4496

Ion Ratio Lower Upper

153 100

152 50.8 38.2 57.2

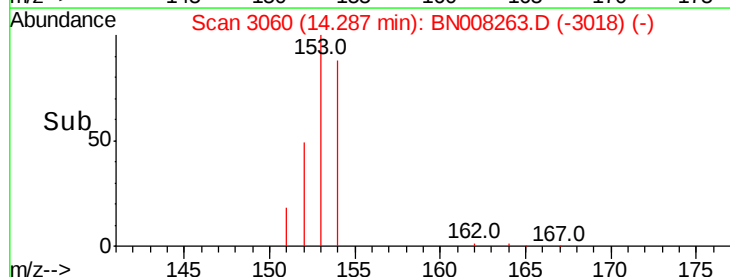
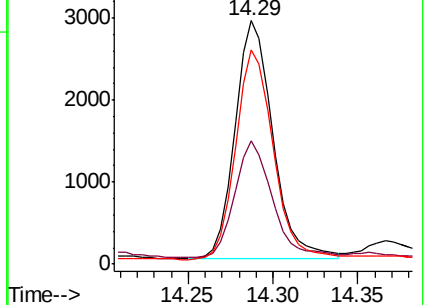
154 88.0 71.8 107.8

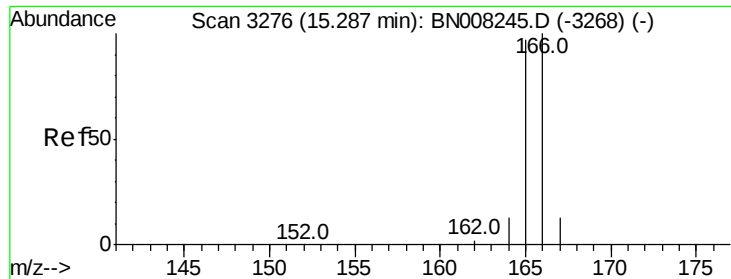


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

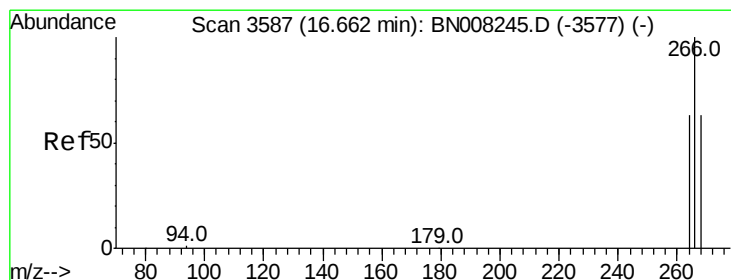
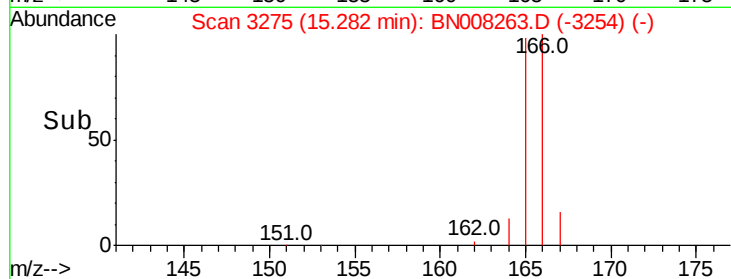
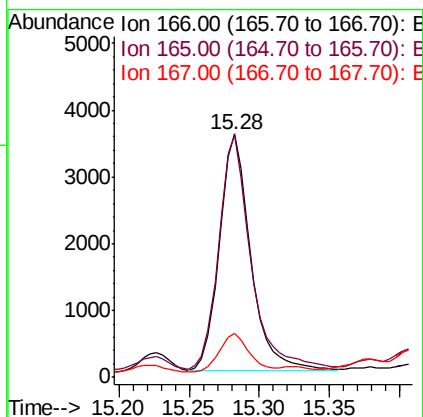
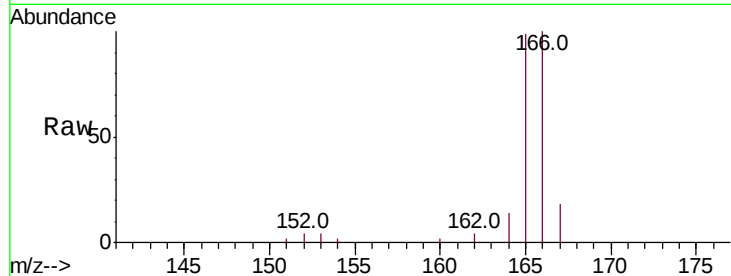




#9
Fluorene
 Concen: 0.246 ng/ul
 RT: 15.28 min Scan# 3275
 Delta R.T. -0.00 min
 Lab File: BN008263.D
 Acq: 19 Oct 2019 11:05

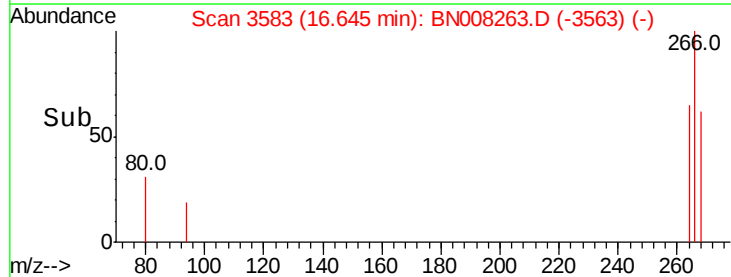
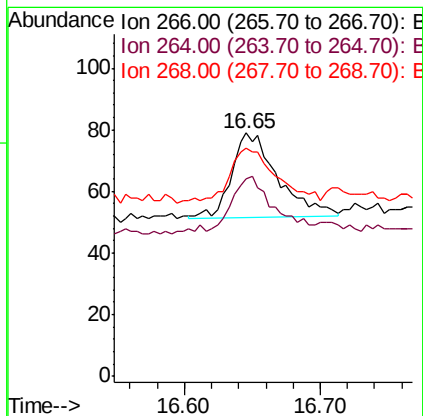
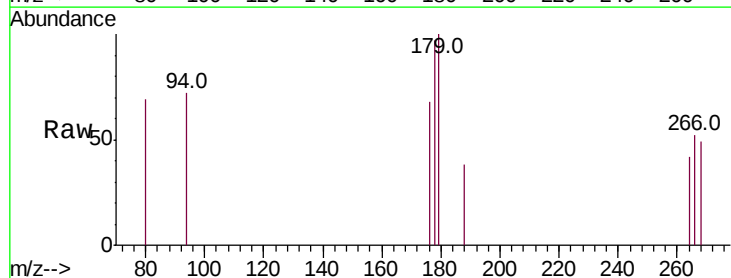
Instrument :
 BNA_N
 ClientSampleId :
 BEP95DL

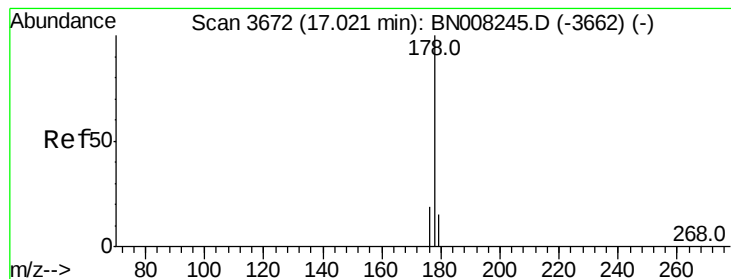
Tot Ion:166 Resp: 5511
 Ion Ratio Lower Upper
 166 100
 165 99.4 76.6 115.0
 167 18.0 11.7 17.5#



#11
Pentachlorophenol
 Concen: 0.023 ng/ul
 RT: 16.65 min Scan# 3583
 Delta R.T. -0.02 min
 Lab File: BN008263.D
 Acq: 19 Oct 2019 11:05

Tgt Ion:266 Resp: 65
 Ion Ratio Lower Upper
 266 100
 264 61.5 50.1 75.1
 268 69.2 51.9 77.9





#12

Phenanthrene

Concen: 3.365 ng/ul

RT: 17.01 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

Instrument :

BNA_N

ClientSampleId :

BEP95DL

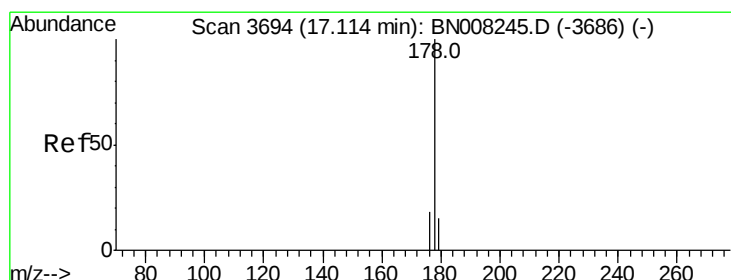
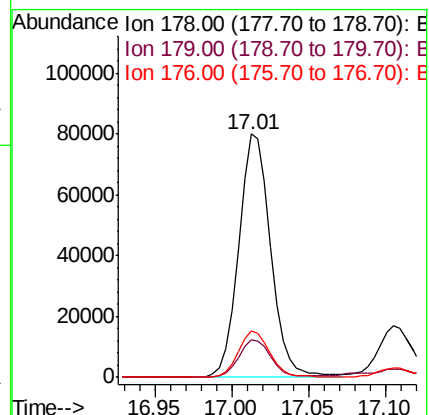
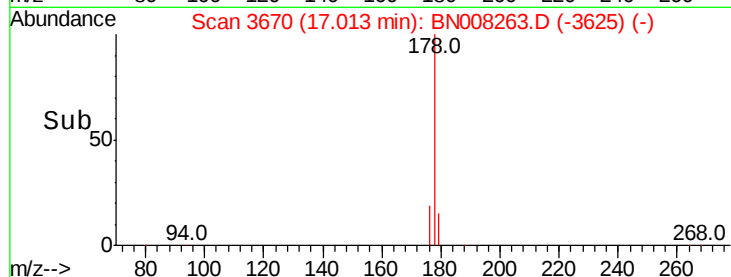
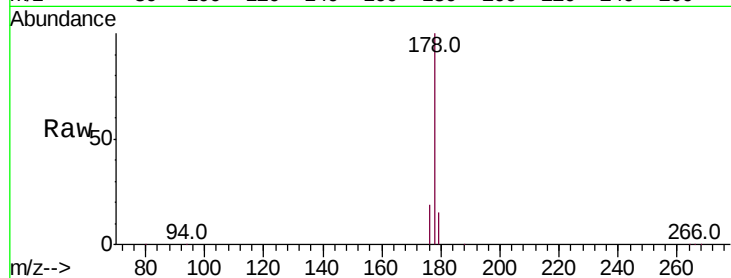
Tot Ion:178 Resp: 116378

Ion Ratio Lower Upper

178 100

179 15.3 12.8 19.2

176 18.9 15.4 23.2



#13

Anthracene

Concen: 0.785 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

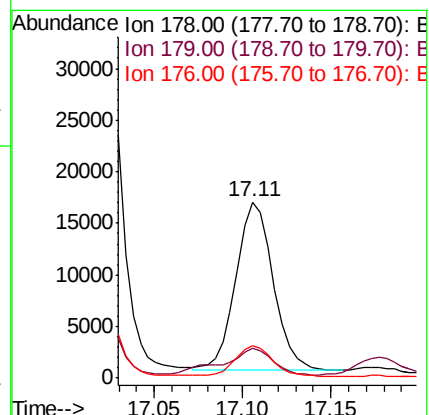
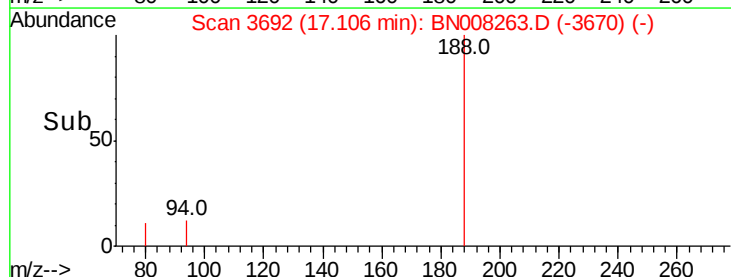
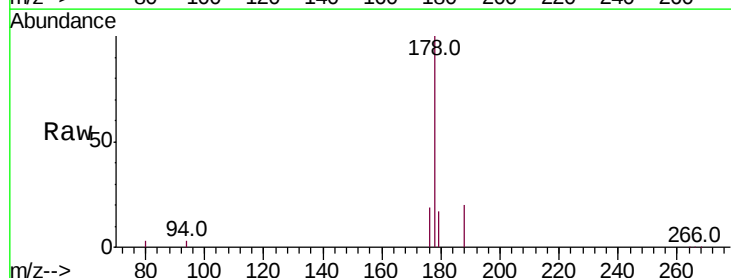
Tgt Ion:178 Resp: 23907

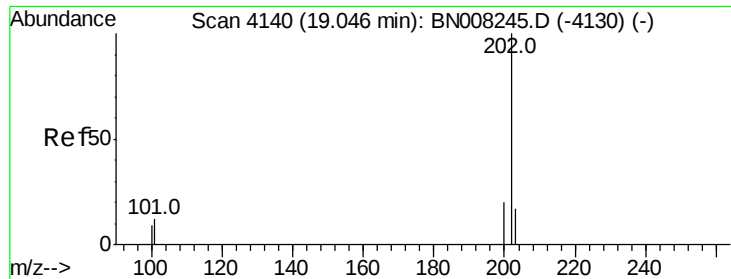
Ion Ratio Lower Upper

178 100

179 16.6 13.0 19.6

176 18.7 15.0 22.6

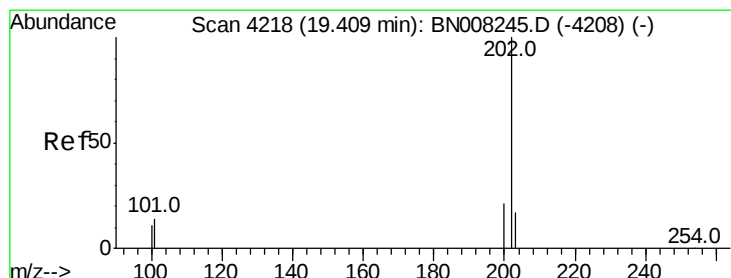
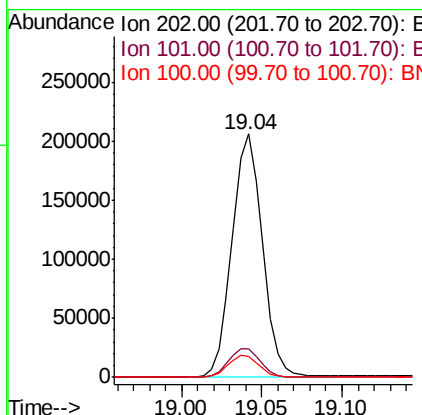
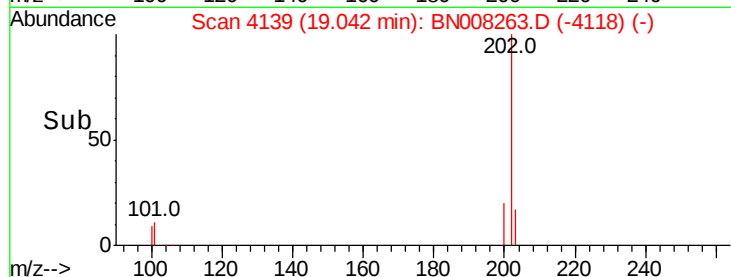
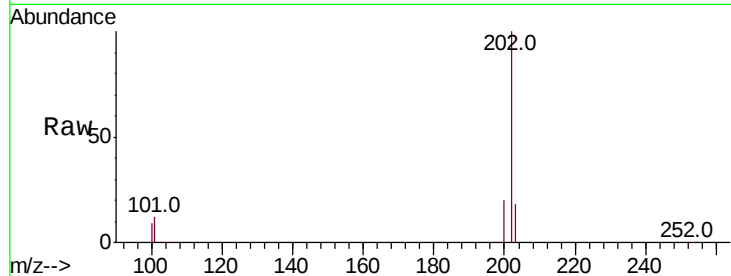




#15
 Fluoranthene
 Concen: 5.923 ng/ul
 RT: 19.04 min Scan# 4139
 Delta R.T. -0.00 min
 Lab File: BN008263.D
 Acq: 19 Oct 2019 11:05

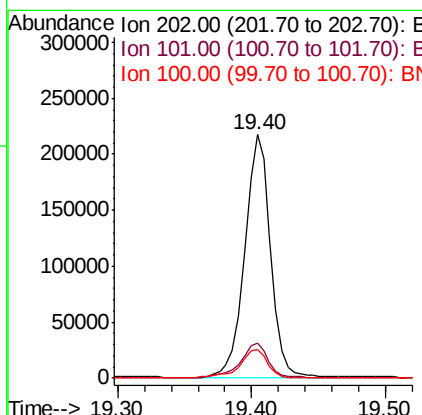
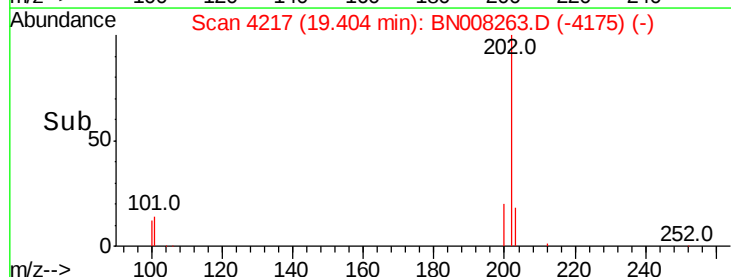
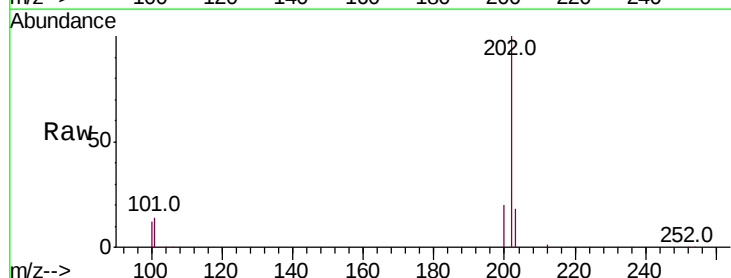
Instrument :
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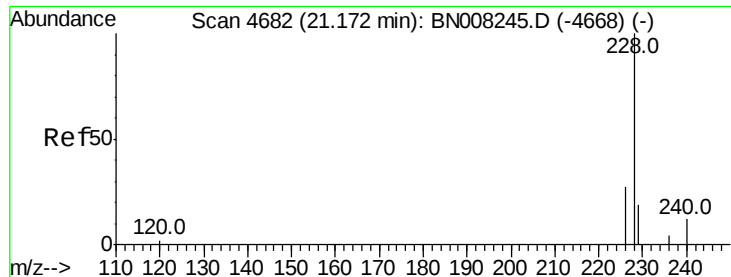
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.2
100	8.7	0.0	28.5



#17
 Pyrene
 Concen: 6.034 ng/ul
 RT: 19.40 min Scan# 4217
 Delta R.T. -0.00 min
 Lab File: BN008263.D
 Acq: 19 Oct 2019 11:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	10.9	16.3
100	11.5	8.7	13.1

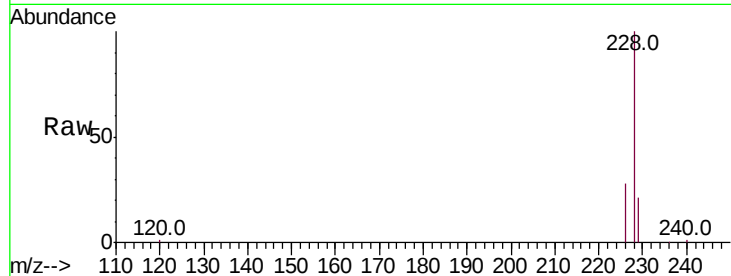




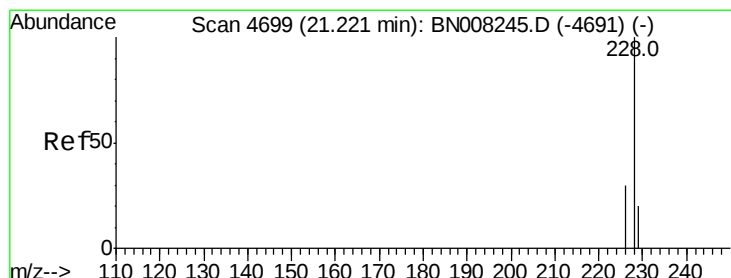
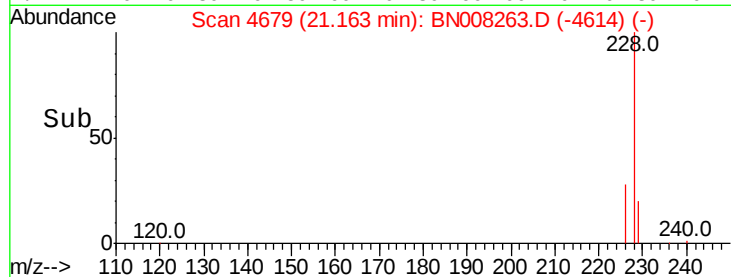
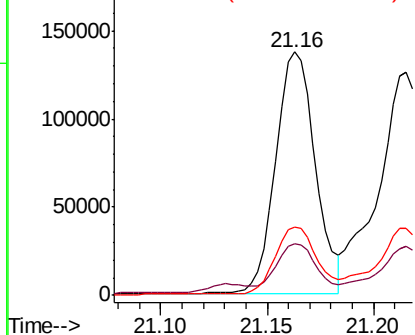
#18
Benzo(a)anthracene
Concen: 4.025 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.01 min
Lab File: BN008263.D
Acq: 19 Oct 2019 11:05

Instrument :
BNA_N
ClientSampleId :
BEP95DL

Tot Ion:228 Resp: 177626
Ion Ratio Lower Upper
228 100
229 21.0 16.2 24.2
226 28.1 21.4 32.0

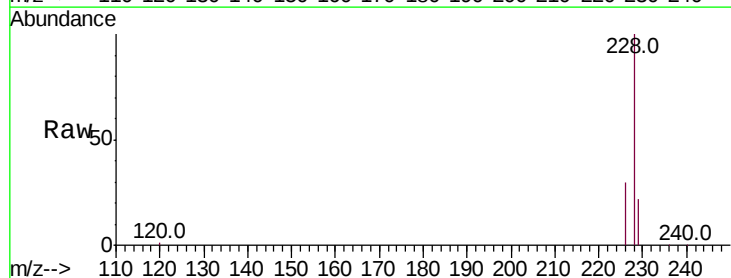


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

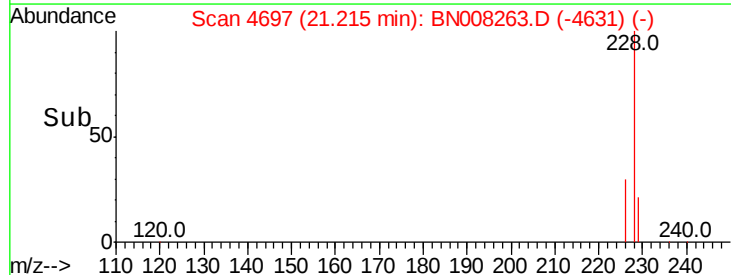
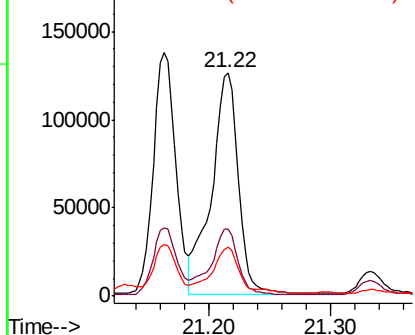


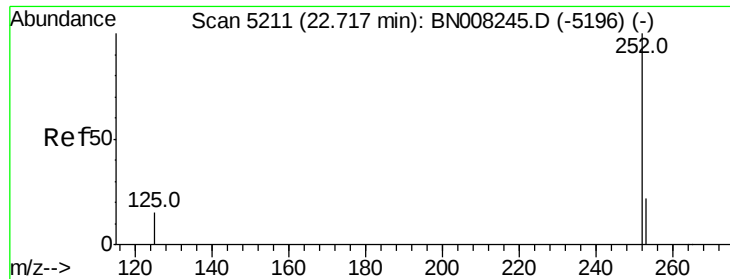
#19
Chrysene
Concen: 3.577 ng/ul
RT: 21.22 min Scan# 4697
Delta R.T. -0.01 min
Lab File: BN008263.D
Acq: 19 Oct 2019 11:05

Tgt Ion:228 Resp: 193724
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 21.8 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: 7.273 ng/u1

RT: 22.71 min Scan# 5208

Delta R.T. -0.01 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

Instrument :

BNA_N

ClientSampleId :

BEP95DL

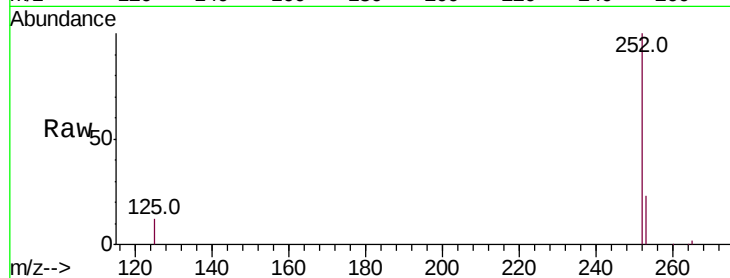
Tot Ion:252 Resp: 308072

Ion Ratio Lower Upper

252 100

253 23.3 0.0 53.4

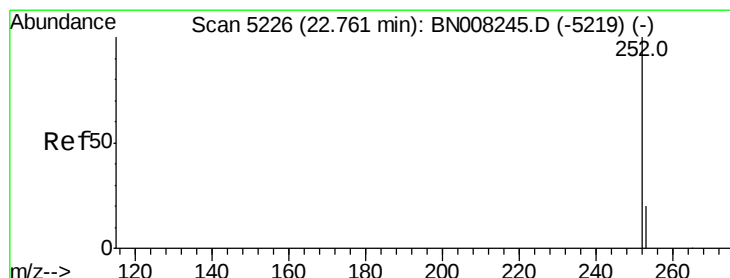
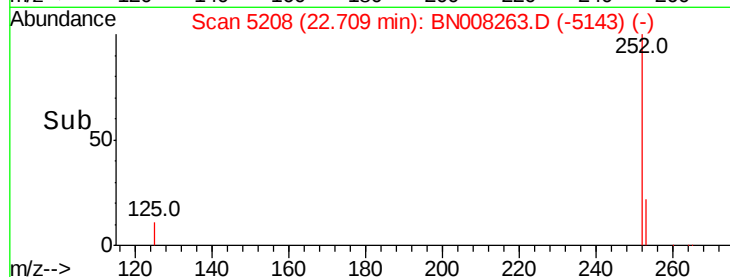
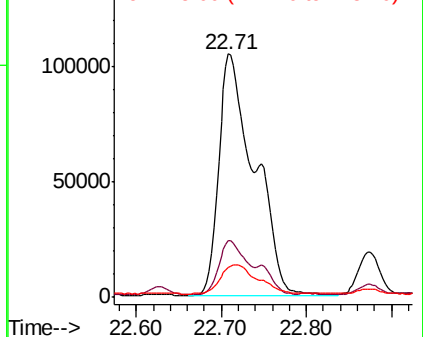
125 12.3 0.0 32.4



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: 6.420 ng/u1

RT: 22.71 min Scan# 5208

Delta R.T. -0.05 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

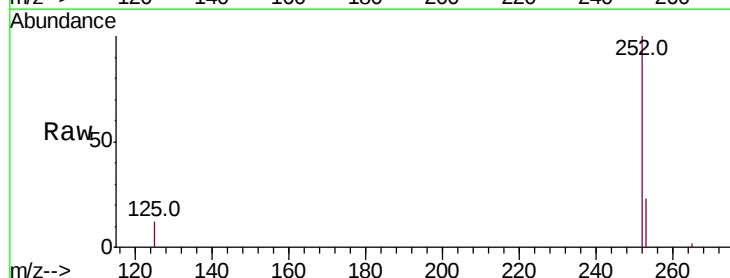
Tgt Ion:252 Resp: 308072

Ion Ratio Lower Upper

252 100

253 23.3 21.3 31.9

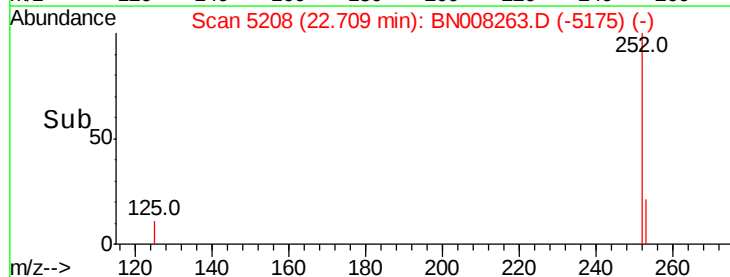
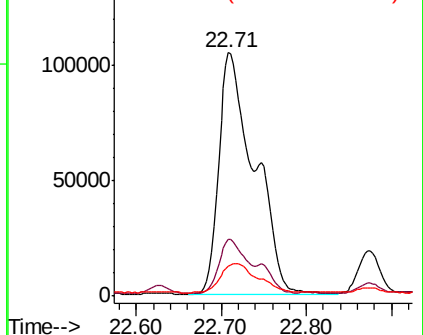
125 12.3 12.3 18.5#

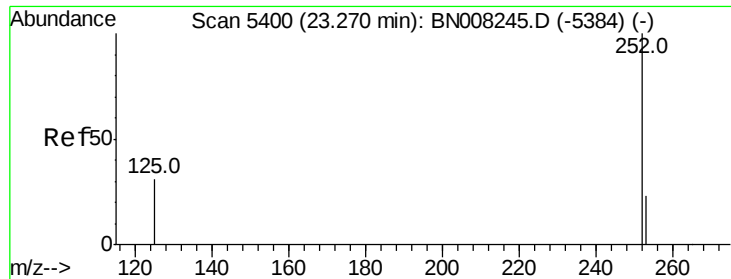


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.860 ng/ul

RT: 23.26 min Scan# 5396

Delta R.T. -0.01 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

Instrument :

BNA_N

ClientSampleId :

BEP95DL

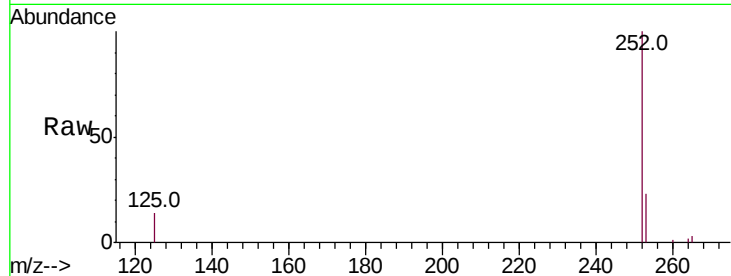
Tot Ion:252 Resp: 172055

Ion Ratio Lower Upper

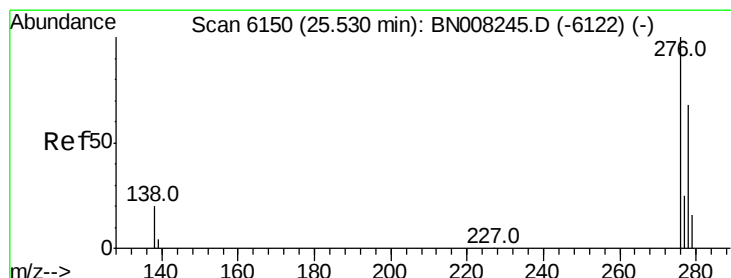
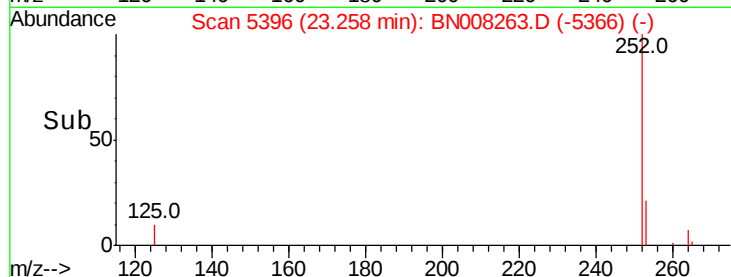
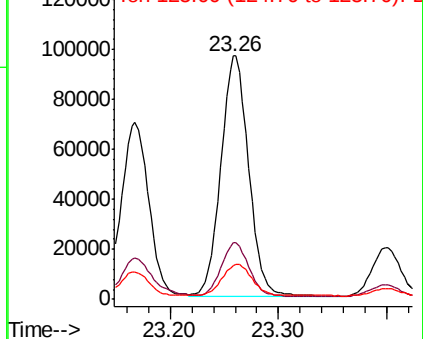
252 100

253 23.1 22.8 34.2

125 14.0 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: 1.774 ng/ul

RT: 25.51 min Scan# 6144

Delta R.T. -0.02 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

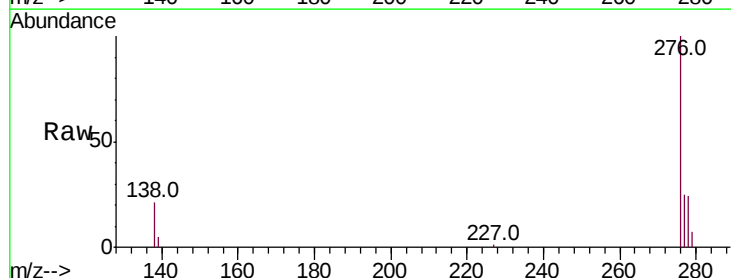
Tgt Ion:276 Resp: 93154

Ion Ratio Lower Upper

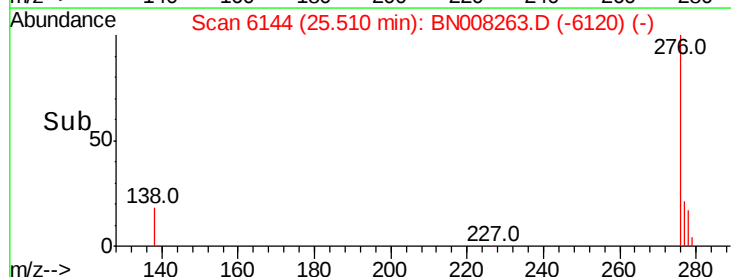
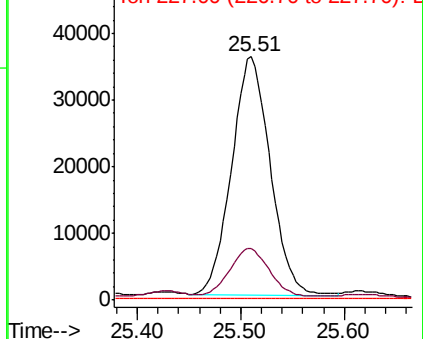
276 100

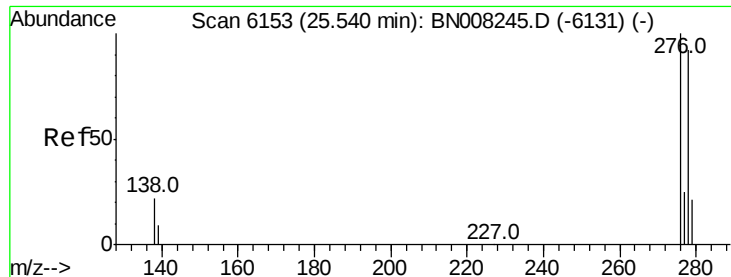
138 20.2 16.1 24.1

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: 0.607 ng/ul

RT: 25.51 min Scan# 6145

Delta R.T. -0.03 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

Instrument :

BNA_N

ClientSampleId :

BEP95DL

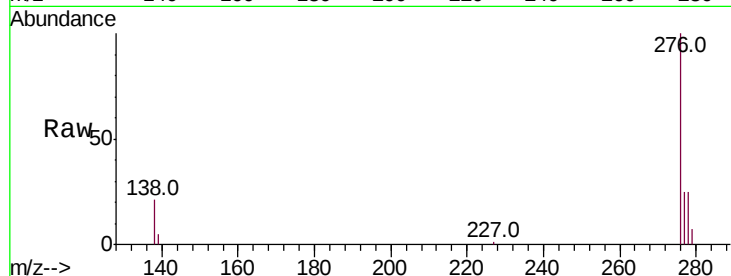
Tot Ion:278 Resp: 25177

Ion Ratio Lower Upper

278 100

139 20.4 15.0 22.6

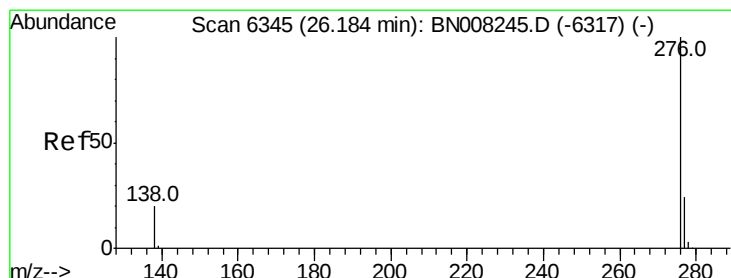
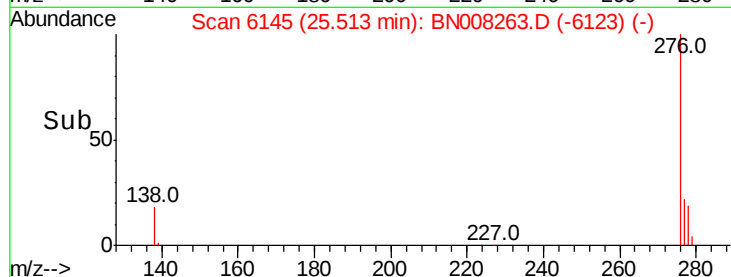
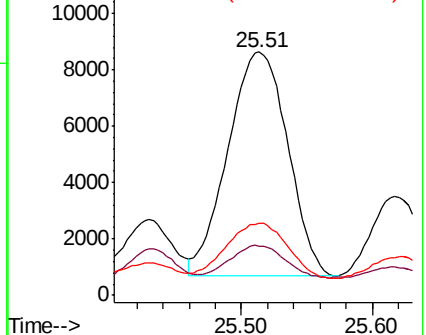
279 29.5 22.4 33.6



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(g,h,i)perylene

Concen: 1.825 ng/ul

RT: 26.17 min Scan# 6340

Delta R.T. -0.02 min

Lab File: BN008263.D

Acq: 19 Oct 2019 11:05

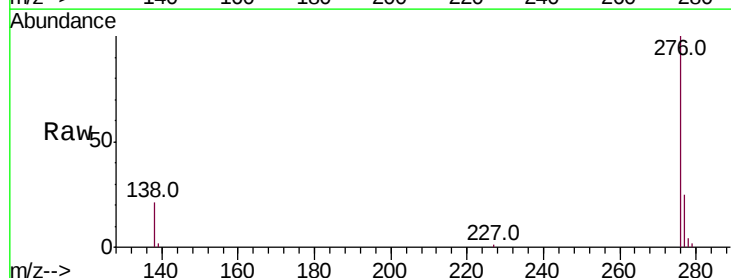
Tgt Ion:276 Resp: 87871

Ion Ratio Lower Upper

276 100

138 21.2 17.0 25.4

277 24.5 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

